

Pantheon Report

Generated at 2019-02-06 04:34:09 (UTC).

Data path: GCE London on *ens4 (local)* → GCE Iowa on *ens4 (remote)*.

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

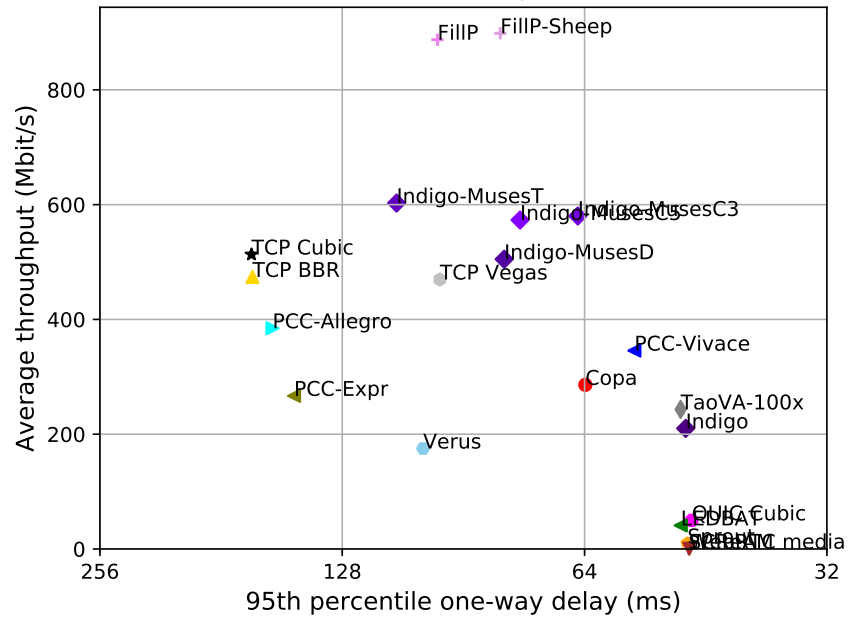
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

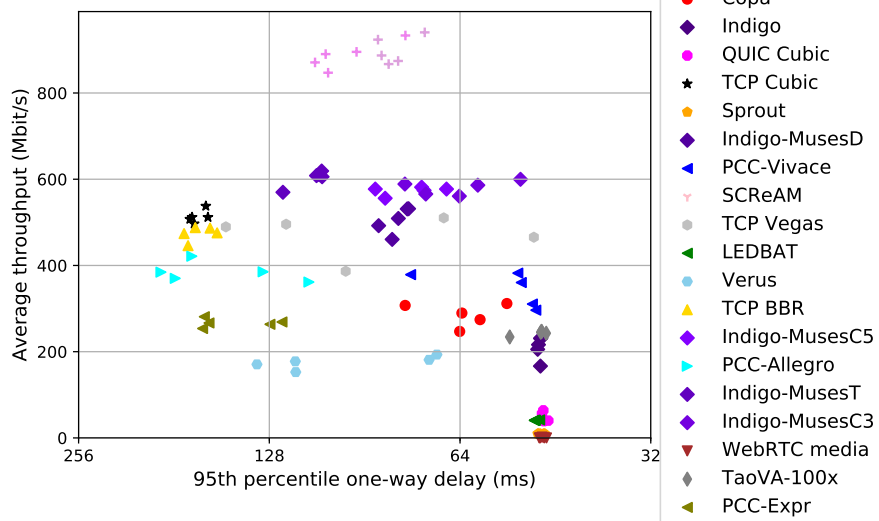
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from GCE London to GCE Iowa, 5 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	474.01	165.49	0.50
Copa	5	285.98	63.86	0.01
TCP Cubic	5	513.09	165.94	0.22
FillP	5	887.38	97.47	0.69
FillP-Sheep	5	898.54	81.45	0.25
Indigo	5	210.11	47.93	0.00
Indigo-MusesC3	5	580.24	65.25	0.02
Indigo-MusesC5	5	573.17	76.97	0.06
Indigo-MusesD	5	504.89	80.54	0.04
Indigo-MusesT	5	602.70	109.58	0.13
LEDBAT	5	41.07	48.61	0.00
PCC-Allegro	5	384.55	156.26	3.67
PCC-Expr	5	266.79	146.93	1.60
QUIC Cubic	4	49.91	47.11	0.00
SCReAM	5	0.22	47.56	0.00
Sprout	5	9.68	47.69	0.00
TaoVA-100x	5	243.22	48.62	0.00
TCP Vegas	5	469.51	96.82	0.03
Verus	5	175.06	101.57	0.16
PCC-Vivace	5	345.64	55.51	0.00
WebRTC media	5	0.43	47.43	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-05 23:43:15

End at: 2019-02-05 23:43:45

Local clock offset: -0.242 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-02-06 02:27:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.66 Mbit/s

95th percentile per-packet one-way delay: 154.728 ms

Loss rate: 0.46%

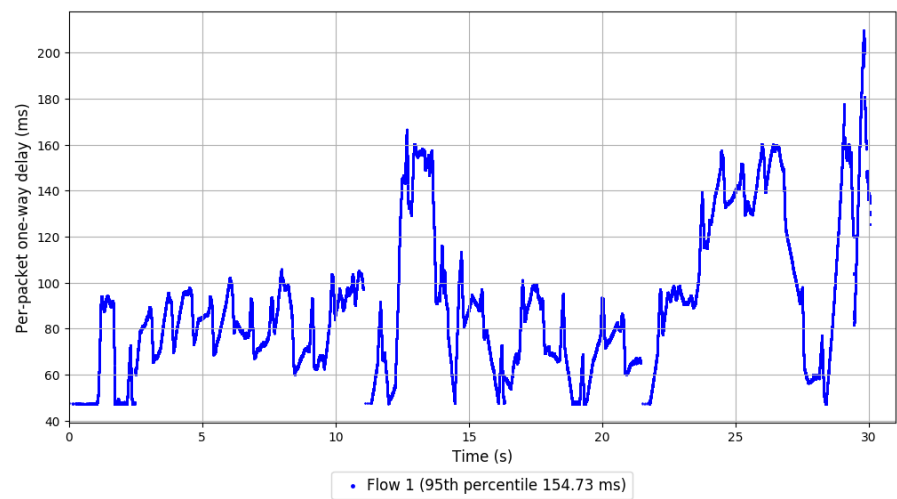
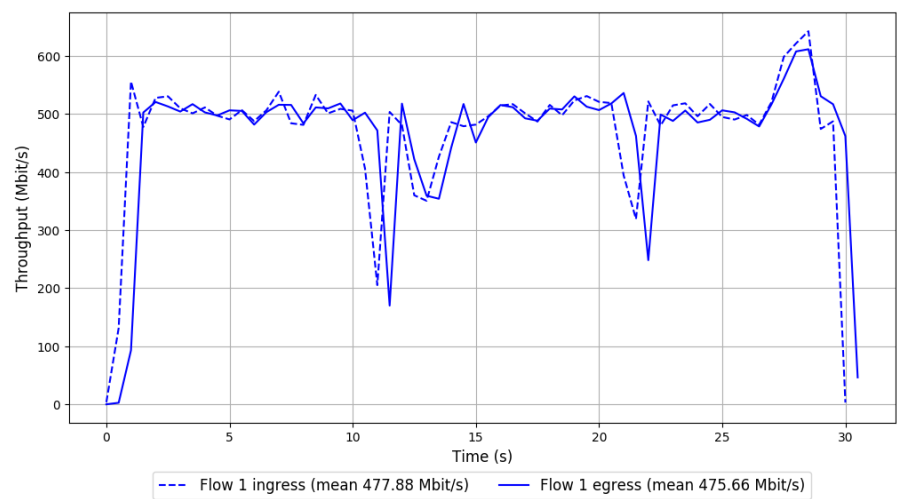
-- Flow 1:

Average throughput: 475.66 Mbit/s

95th percentile per-packet one-way delay: 154.728 ms

Loss rate: 0.46%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-06 00:14:07

End at: 2019-02-06 00:14:37

Local clock offset: -0.126 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-02-06 02:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.70 Mbit/s

95th percentile per-packet one-way delay: 158.751 ms

Loss rate: 0.32%

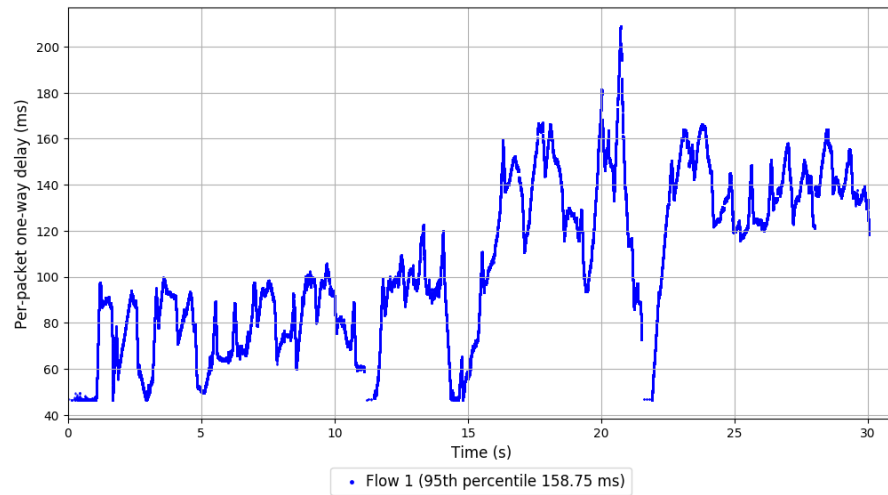
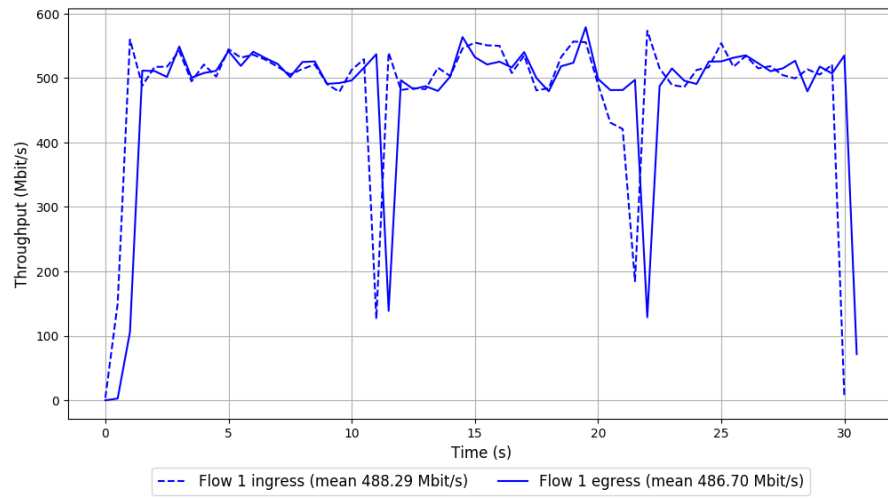
-- Flow 1:

Average throughput: 486.70 Mbit/s

95th percentile per-packet one-way delay: 158.751 ms

Loss rate: 0.32%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-06 00:44:16

End at: 2019-02-06 00:44:46

Local clock offset: 0.152 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-02-06 02:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.94 Mbit/s

95th percentile per-packet one-way delay: 171.983 ms

Loss rate: 1.04%

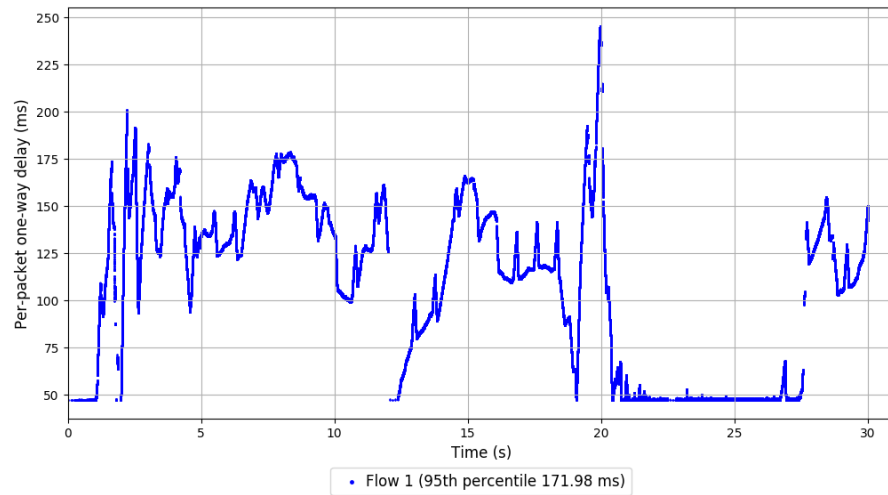
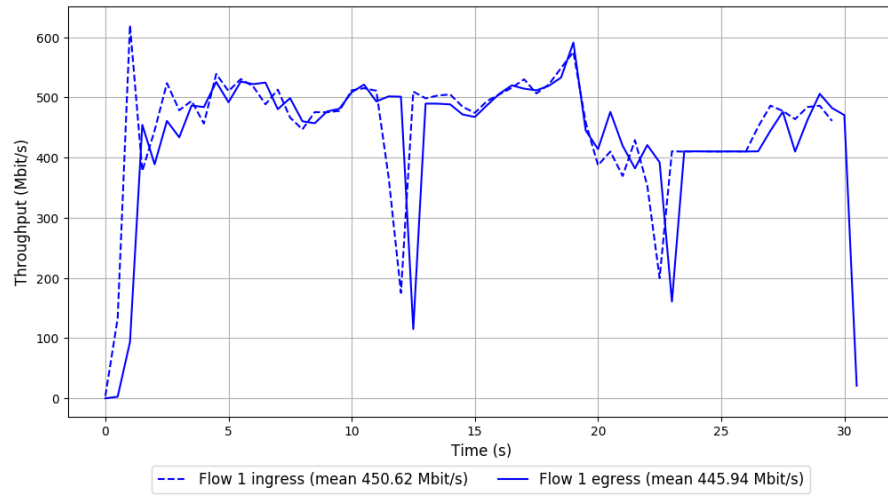
-- Flow 1:

Average throughput: 445.94 Mbit/s

95th percentile per-packet one-way delay: 171.983 ms

Loss rate: 1.04%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-06 01:14:31

End at: 2019-02-06 01:15:01

Local clock offset: 0.15 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-02-06 02:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.99 Mbit/s

95th percentile per-packet one-way delay: 174.485 ms

Loss rate: 0.09%

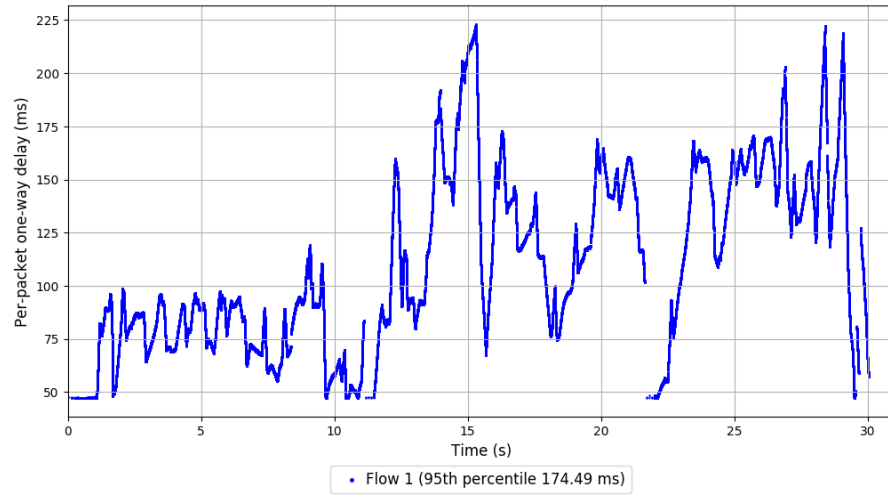
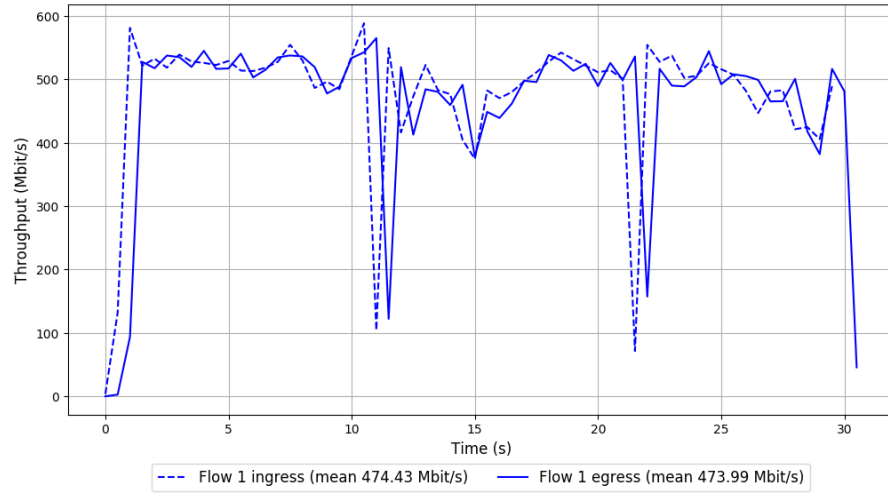
-- Flow 1:

Average throughput: 473.99 Mbit/s

95th percentile per-packet one-way delay: 174.485 ms

Loss rate: 0.09%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-06 01:46:03

End at: 2019-02-06 01:46:33

Local clock offset: 0.011 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-02-06 02:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.78 Mbit/s

95th percentile per-packet one-way delay: 167.509 ms

Loss rate: 0.58%

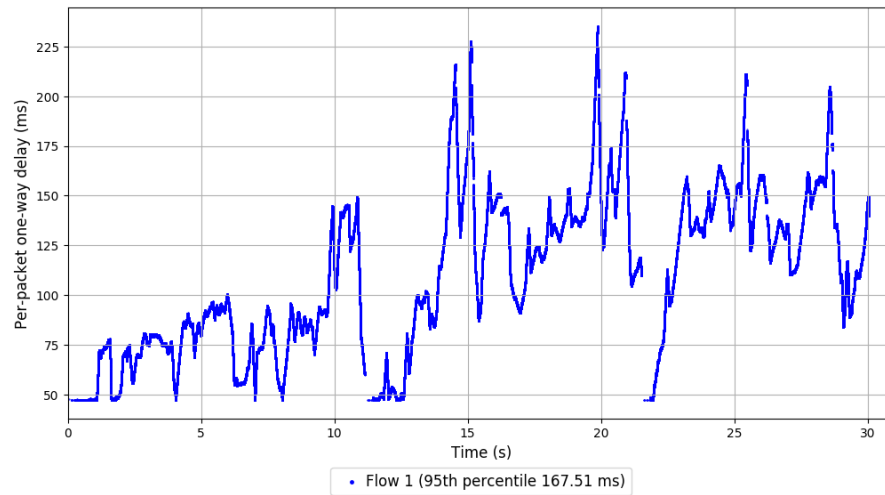
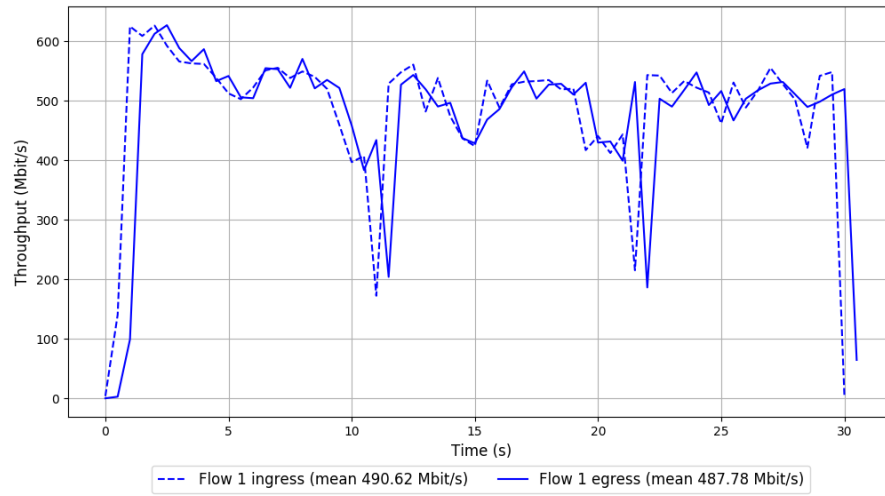
-- Flow 1:

Average throughput: 487.78 Mbit/s

95th percentile per-packet one-way delay: 167.509 ms

Loss rate: 0.58%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-02-05 23:52:33

End at: 2019-02-05 23:53:03

Local clock offset: -0.252 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2019-02-06 02:29:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.71 Mbit/s

95th percentile per-packet one-way delay: 53.985 ms

Loss rate: 0.00%

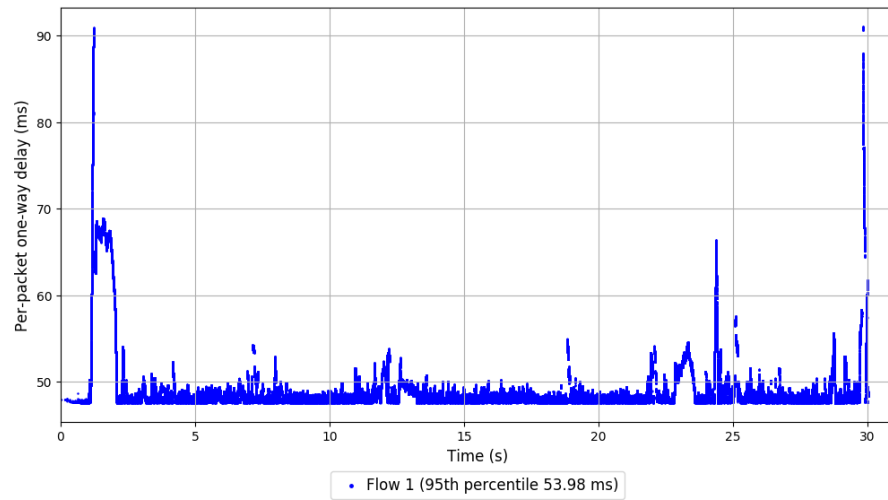
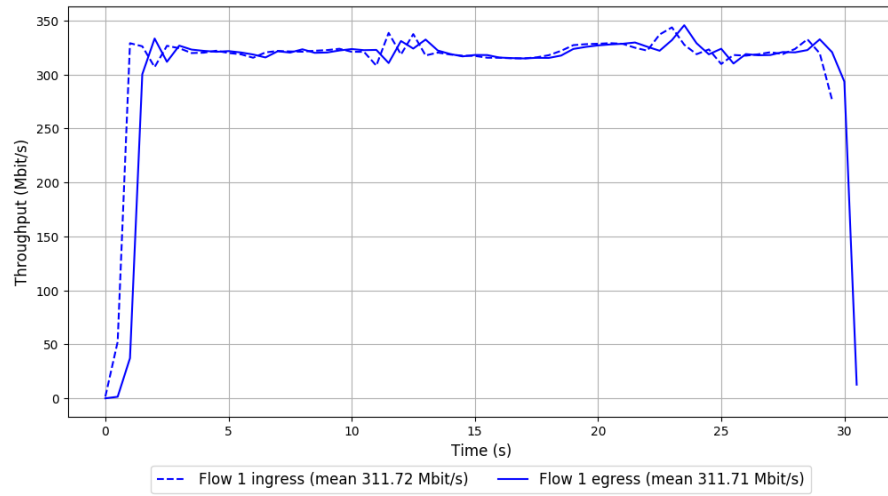
-- Flow 1:

Average throughput: 311.71 Mbit/s

95th percentile per-packet one-way delay: 53.985 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

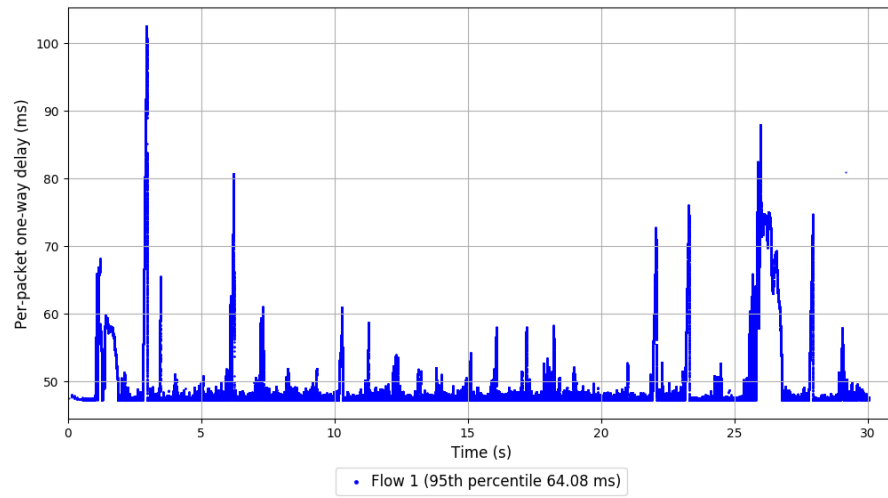
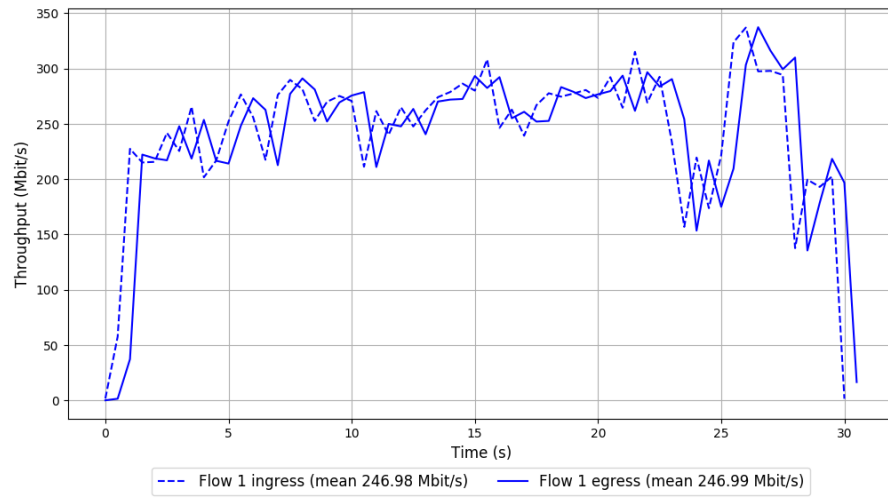


Run 2: Statistics of Copa

Start at: 2019-02-06 00:23:03
End at: 2019-02-06 00:23:33
Local clock offset: 0.035 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-02-06 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.99 Mbit/s
95th percentile per-packet one-way delay: 64.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 246.99 Mbit/s
95th percentile per-packet one-way delay: 64.085 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

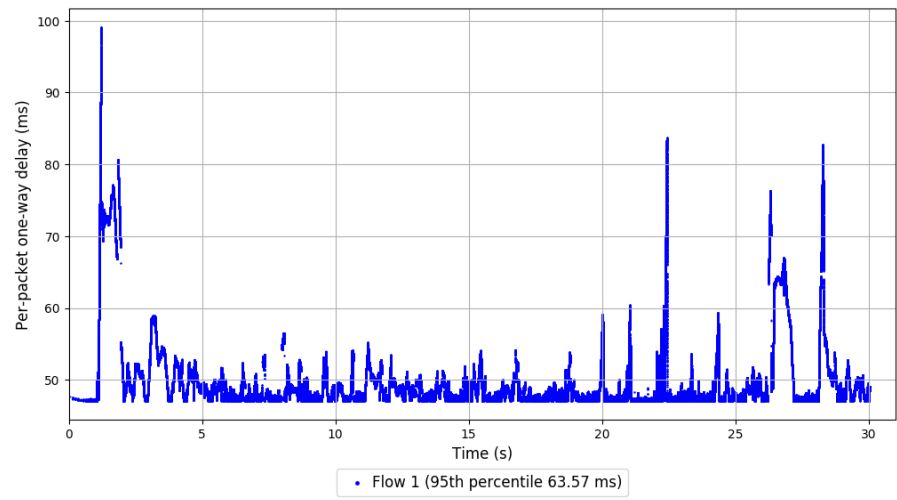
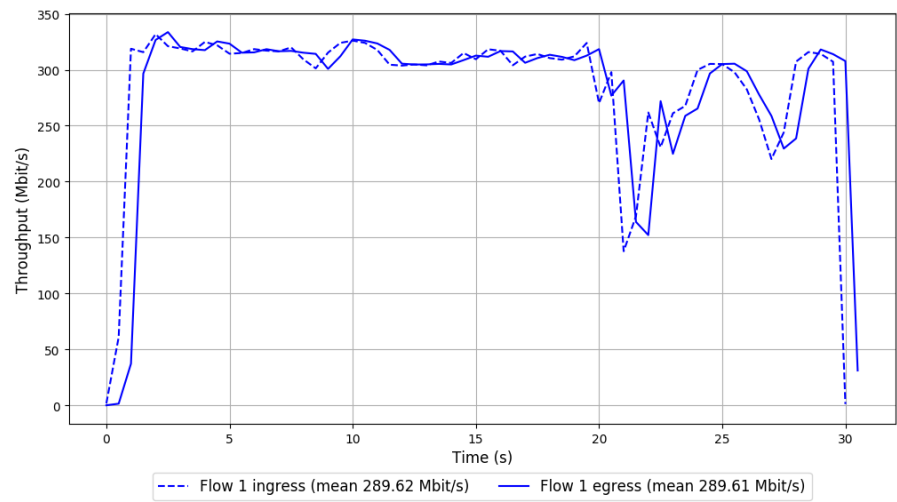


Run 3: Statistics of Copa

Start at: 2019-02-06 00:53:12
End at: 2019-02-06 00:53:42
Local clock offset: 0.115 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-06 02:29:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.61 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 289.61 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

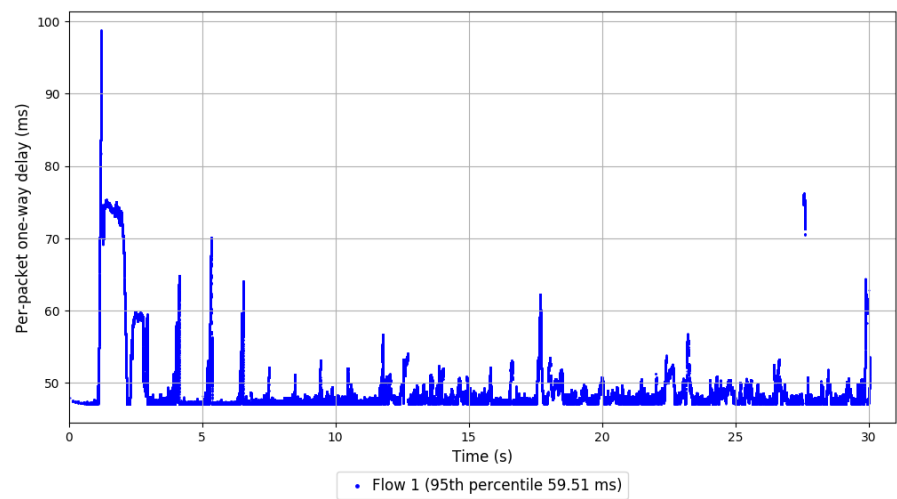
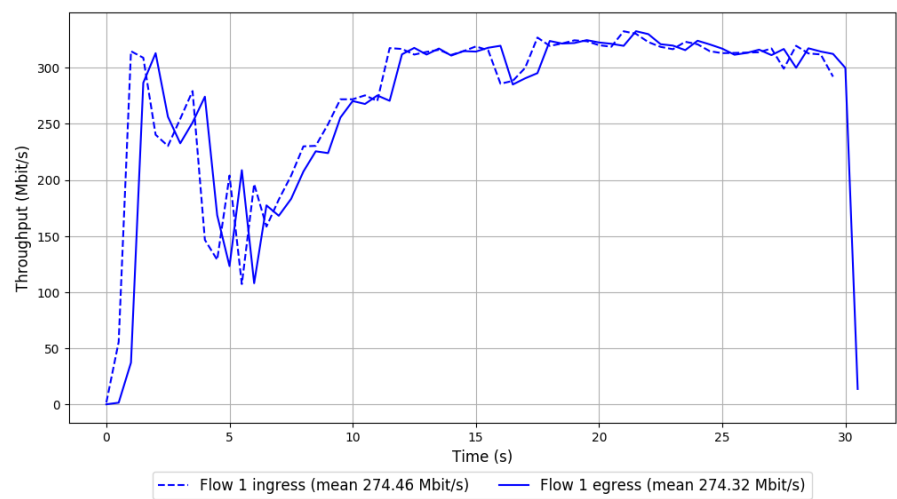


Run 4: Statistics of Copa

Start at: 2019-02-06 01:23:51
End at: 2019-02-06 01:24:21
Local clock offset: 0.149 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-02-06 02:38:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.32 Mbit/s
95th percentile per-packet one-way delay: 59.508 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 274.32 Mbit/s
95th percentile per-packet one-way delay: 59.508 ms
Loss rate: 0.05%

Run 4: Report of Copa — Data Link

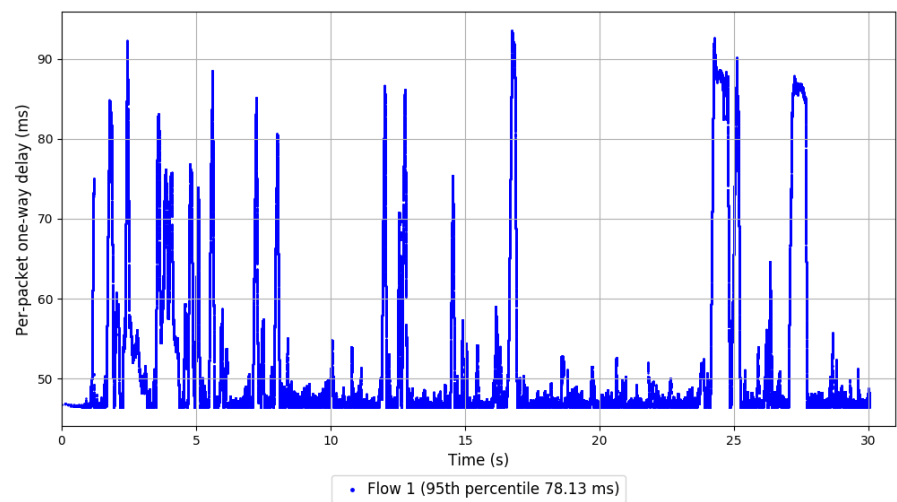
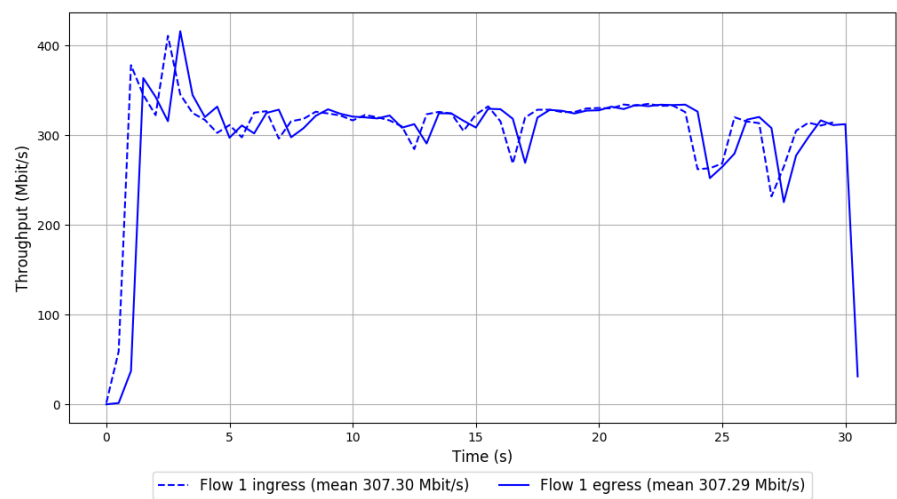


Run 5: Statistics of Copa

Start at: 2019-02-06 01:55:08
End at: 2019-02-06 01:55:39
Local clock offset: -0.007 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-02-06 02:39:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.29 Mbit/s
95th percentile per-packet one-way delay: 78.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 307.29 Mbit/s
95th percentile per-packet one-way delay: 78.129 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-02-05 23:49:27

End at: 2019-02-05 23:49:57

Local clock offset: -0.252 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2019-02-06 02:39:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.78 Mbit/s

95th percentile per-packet one-way delay: 159.991 ms

Loss rate: 0.17%

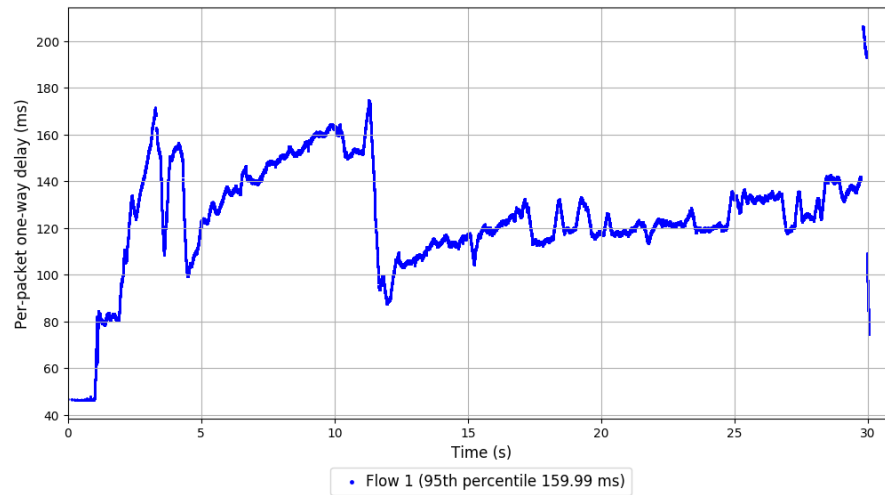
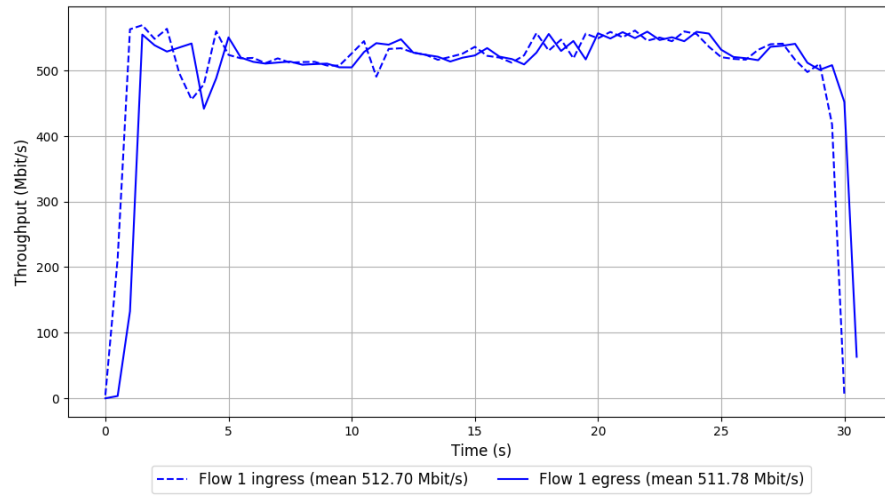
-- Flow 1:

Average throughput: 511.78 Mbit/s

95th percentile per-packet one-way delay: 159.991 ms

Loss rate: 0.17%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-02-06 00:20:01

End at: 2019-02-06 00:20:31

Local clock offset: 0.148 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-02-06 02:39:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.66 Mbit/s

95th percentile per-packet one-way delay: 168.185 ms

Loss rate: 0.40%

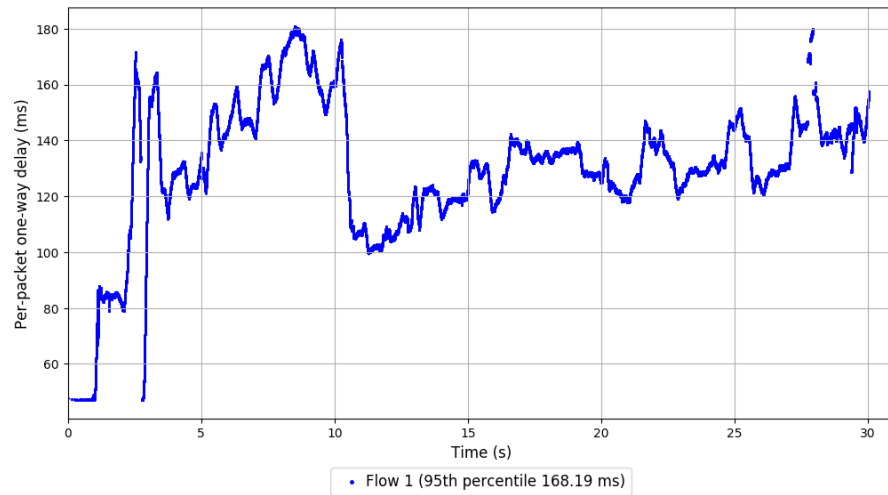
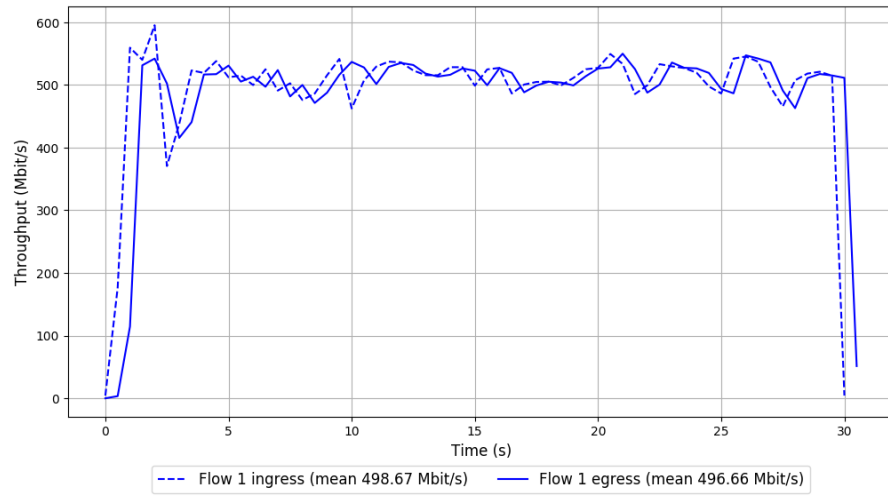
-- Flow 1:

Average throughput: 496.66 Mbit/s

95th percentile per-packet one-way delay: 168.185 ms

Loss rate: 0.40%

Run 2: Report of TCP Cubic — Data Link

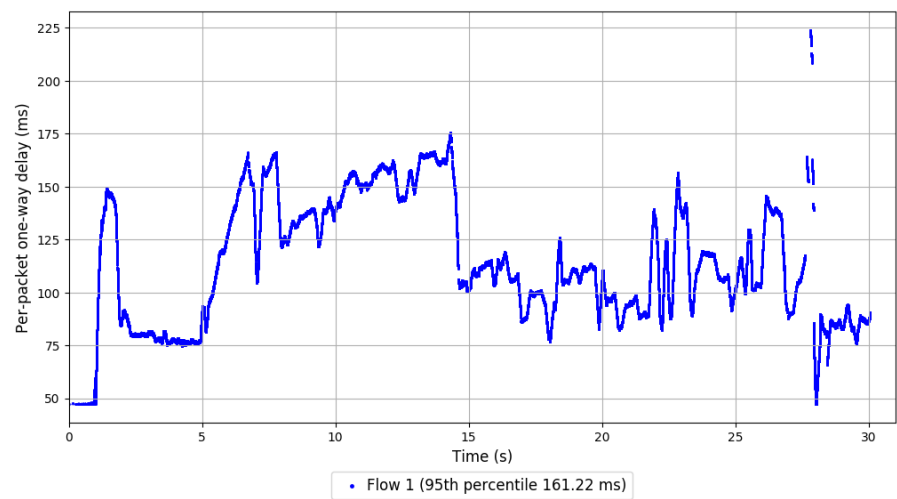
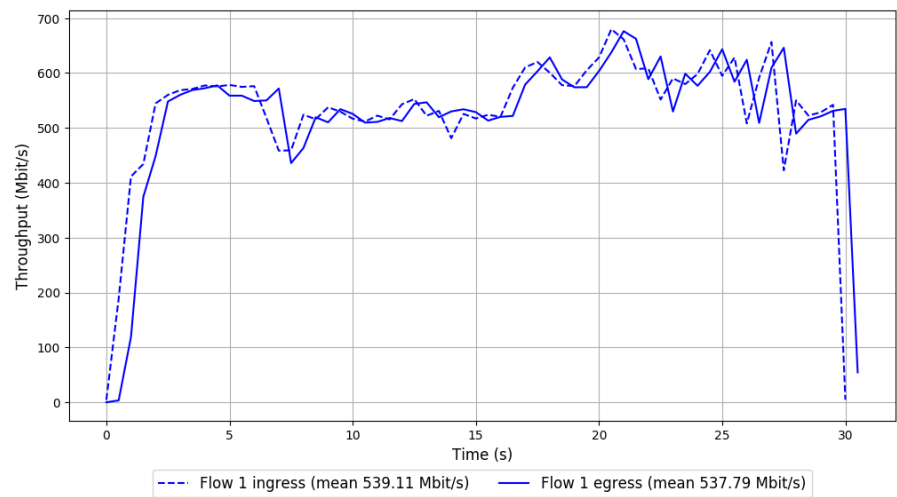


Run 3: Statistics of TCP Cubic

Start at: 2019-02-06 00:50:08
End at: 2019-02-06 00:50:38
Local clock offset: 0.132 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-02-06 02:39:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 537.79 Mbit/s
95th percentile per-packet one-way delay: 161.222 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 537.79 Mbit/s
95th percentile per-packet one-way delay: 161.222 ms
Loss rate: 0.24%

Run 3: Report of TCP Cubic — Data Link

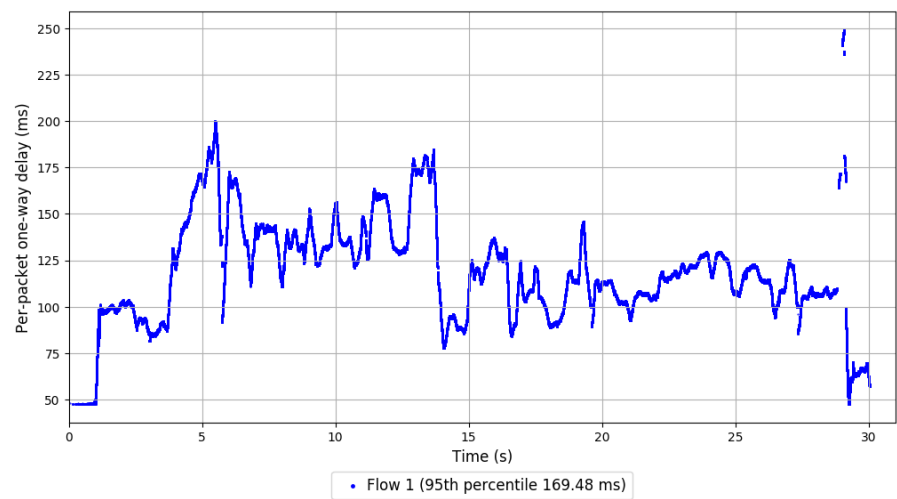
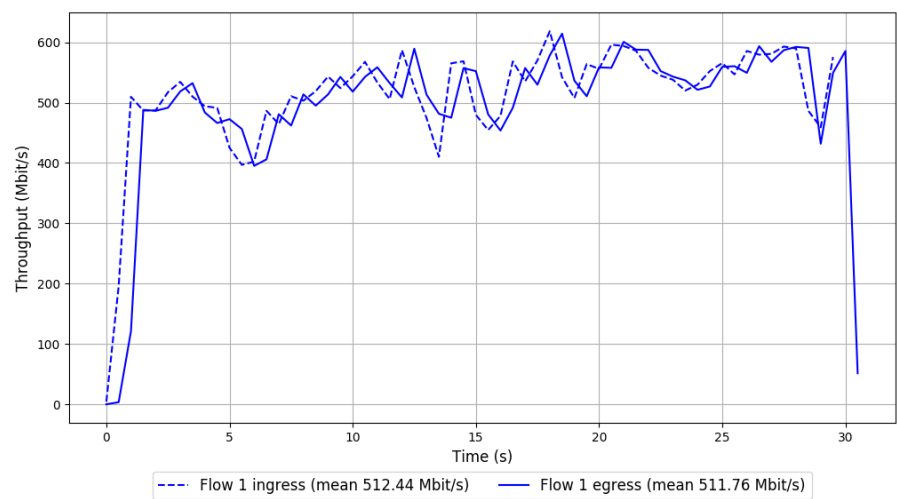


Run 4: Statistics of TCP Cubic

Start at: 2019-02-06 01:20:32
End at: 2019-02-06 01:21:02
Local clock offset: -0.201 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-06 02:39:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.76 Mbit/s
95th percentile per-packet one-way delay: 169.483 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 511.76 Mbit/s
95th percentile per-packet one-way delay: 169.483 ms
Loss rate: 0.13%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-06 01:52:06

End at: 2019-02-06 01:52:36

Local clock offset: 0.012 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-02-06 02:39:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.46 Mbit/s

95th percentile per-packet one-way delay: 170.827 ms

Loss rate: 0.17%

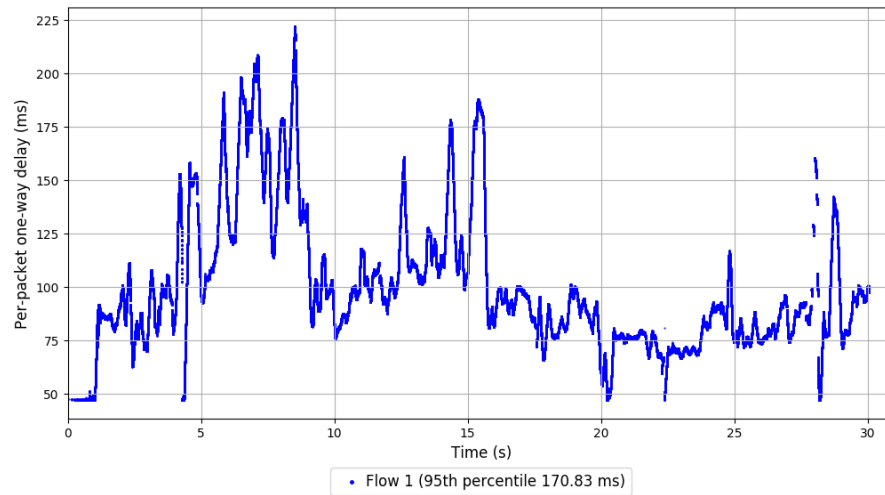
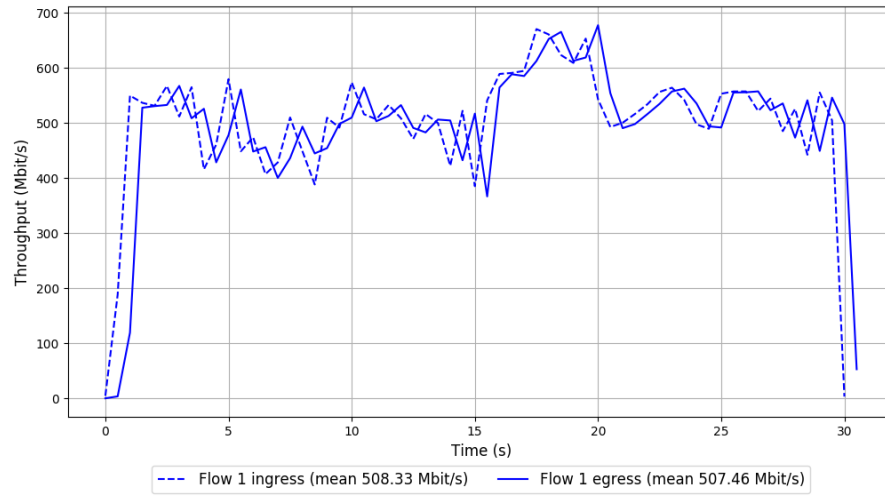
-- Flow 1:

Average throughput: 507.46 Mbit/s

95th percentile per-packet one-way delay: 170.827 ms

Loss rate: 0.17%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-02-05 23:54:09

End at: 2019-02-05 23:54:39

Local clock offset: -0.264 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-02-06 02:52:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 933.38 Mbit/s

95th percentile per-packet one-way delay: 78.056 ms

Loss rate: 0.16%

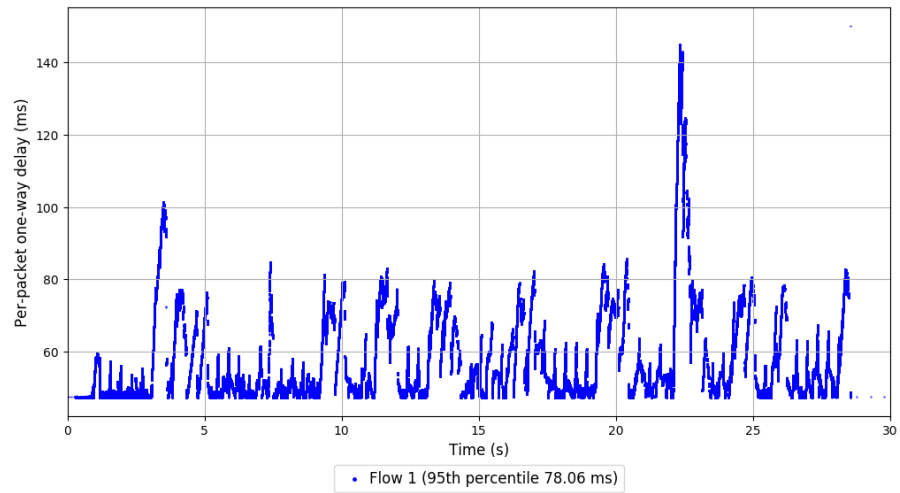
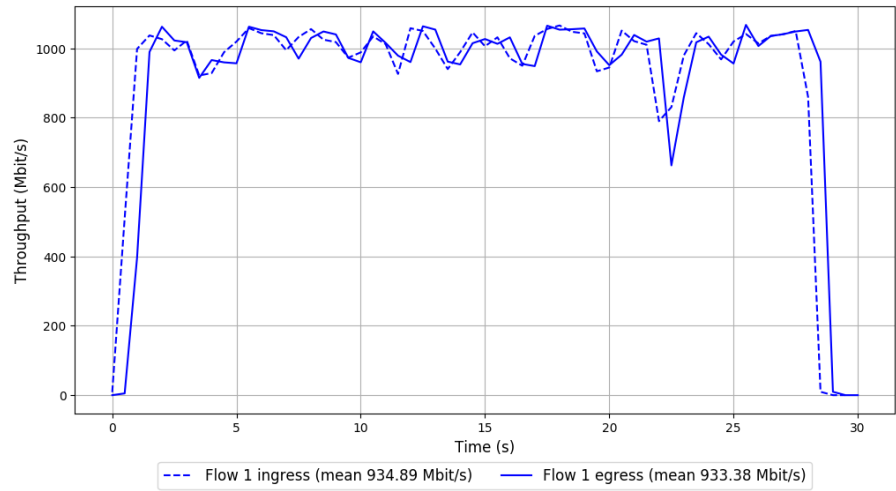
-- Flow 1:

Average throughput: 933.38 Mbit/s

95th percentile per-packet one-way delay: 78.056 ms

Loss rate: 0.16%

Run 1: Report of FillP — Data Link

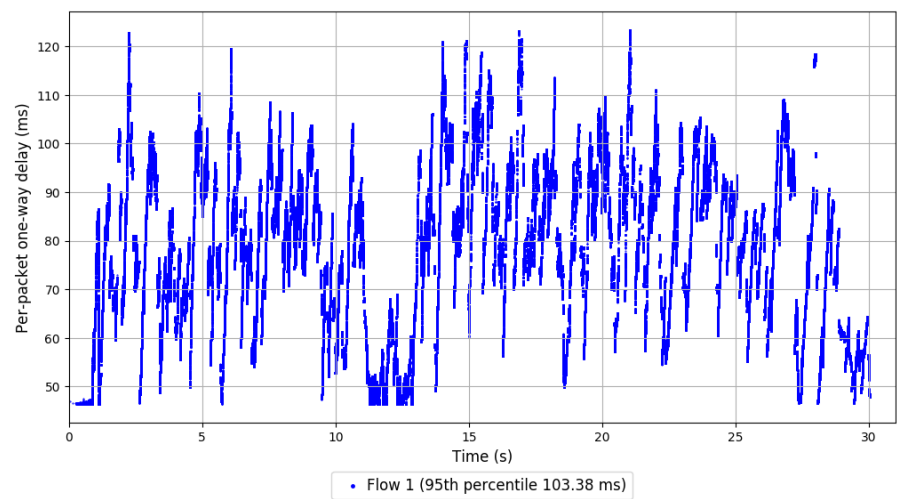
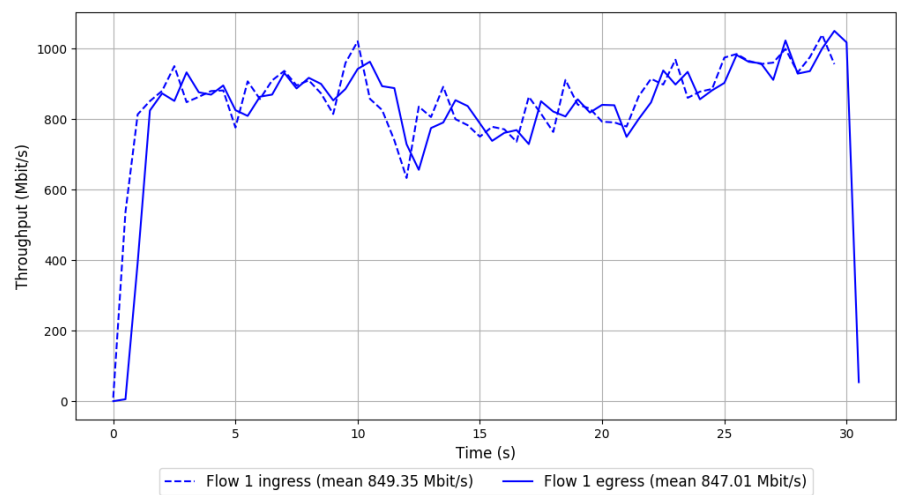


Run 2: Statistics of FillP

Start at: 2019-02-06 00:24:33
End at: 2019-02-06 00:25:03
Local clock offset: 0.026 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-02-06 03:02:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 847.01 Mbit/s
95th percentile per-packet one-way delay: 103.379 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 847.01 Mbit/s
95th percentile per-packet one-way delay: 103.379 ms
Loss rate: 0.27%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-06 00:54:45

End at: 2019-02-06 00:55:16

Local clock offset: 0.13 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-02-06 03:03:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 890.21 Mbit/s

95th percentile per-packet one-way delay: 104.300 ms

Loss rate: 0.92%

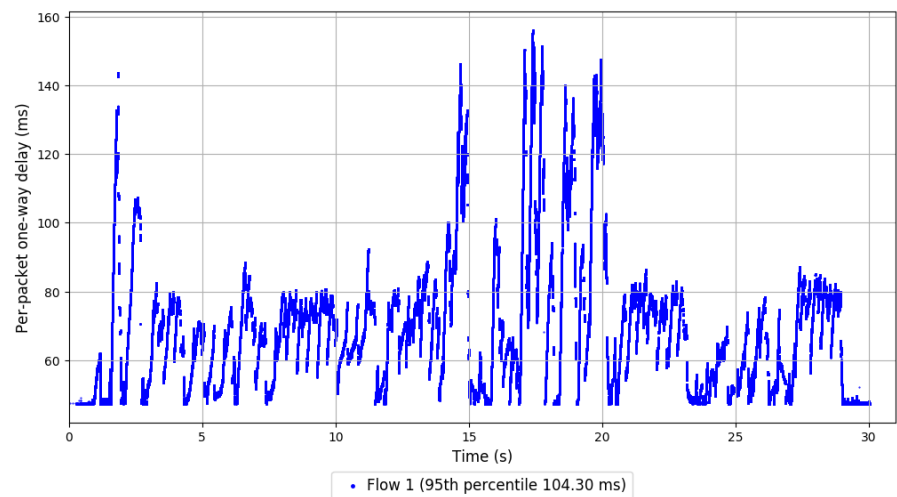
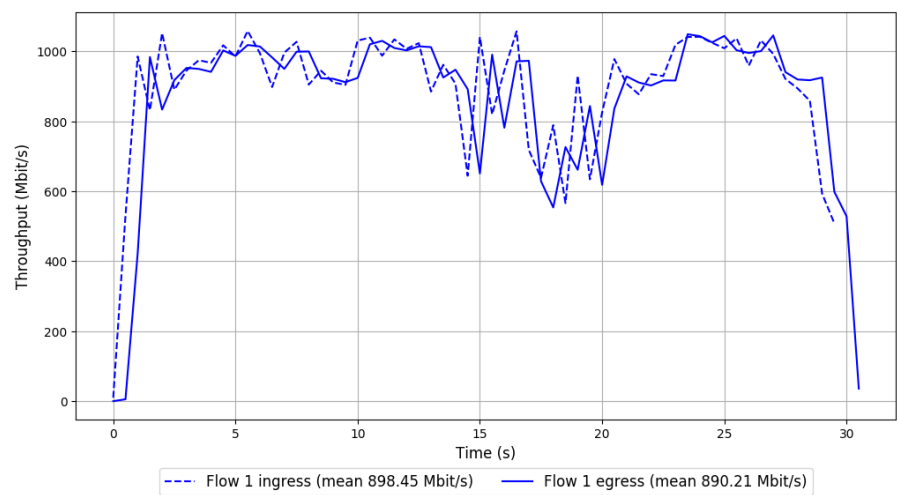
-- Flow 1:

Average throughput: 890.21 Mbit/s

95th percentile per-packet one-way delay: 104.300 ms

Loss rate: 0.92%

Run 3: Report of FillP — Data Link

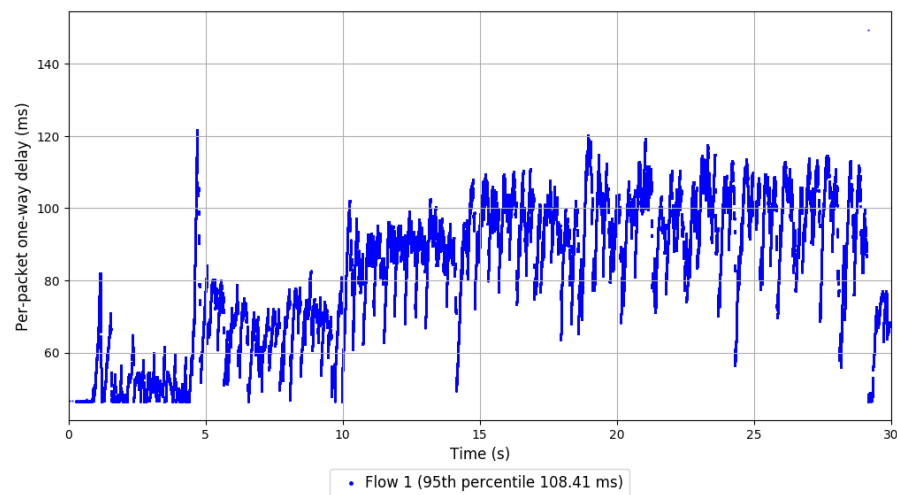
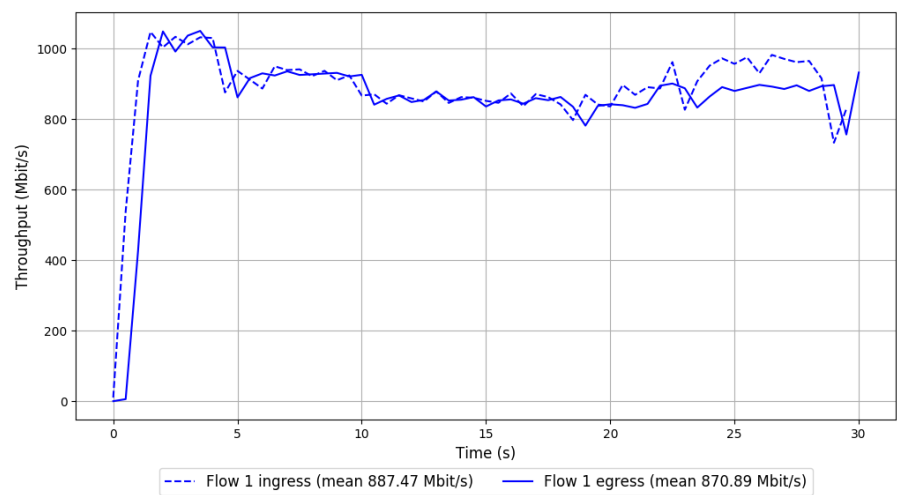


Run 4: Statistics of FillP

Start at: 2019-02-06 01:25:25
End at: 2019-02-06 01:25:55
Local clock offset: 0.076 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-02-06 03:03:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 870.89 Mbit/s
95th percentile per-packet one-way delay: 108.405 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 870.89 Mbit/s
95th percentile per-packet one-way delay: 108.405 ms
Loss rate: 1.86%

Run 4: Report of FillP — Data Link

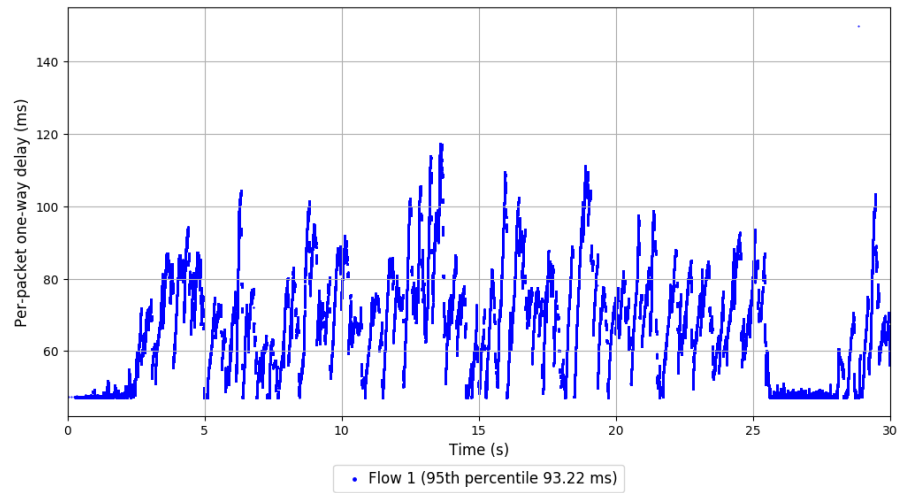
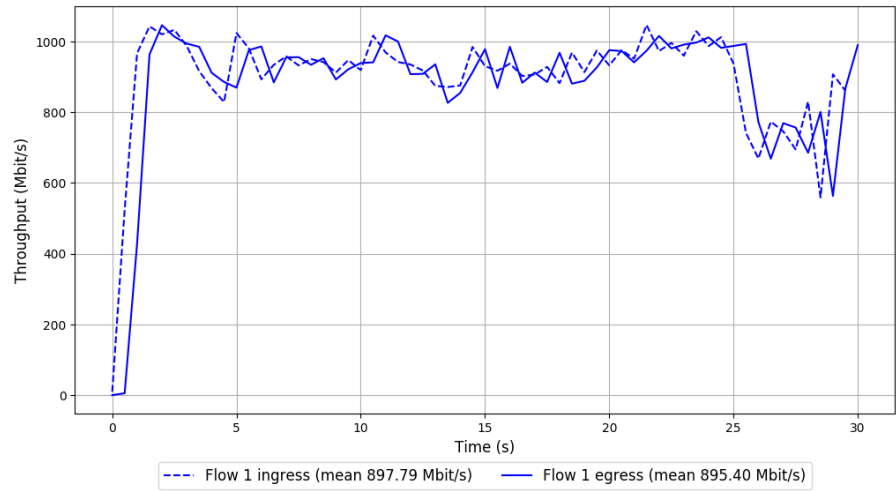


Run 5: Statistics of FillP

Start at: 2019-02-06 01:56:44
End at: 2019-02-06 01:57:14
Local clock offset: -0.019 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-02-06 03:04:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 895.40 Mbit/s
95th percentile per-packet one-way delay: 93.224 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 895.40 Mbit/s
95th percentile per-packet one-way delay: 93.224 ms
Loss rate: 0.26%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-05 23:47:36

End at: 2019-02-05 23:48:06

Local clock offset: -0.219 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2019-02-06 03:05:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 940.59 Mbit/s

95th percentile per-packet one-way delay: 72.758 ms

Loss rate: 0.44%

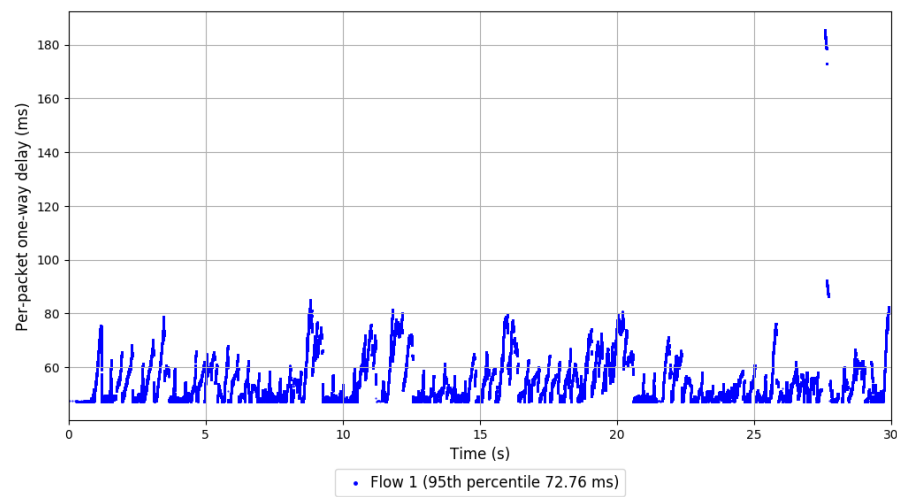
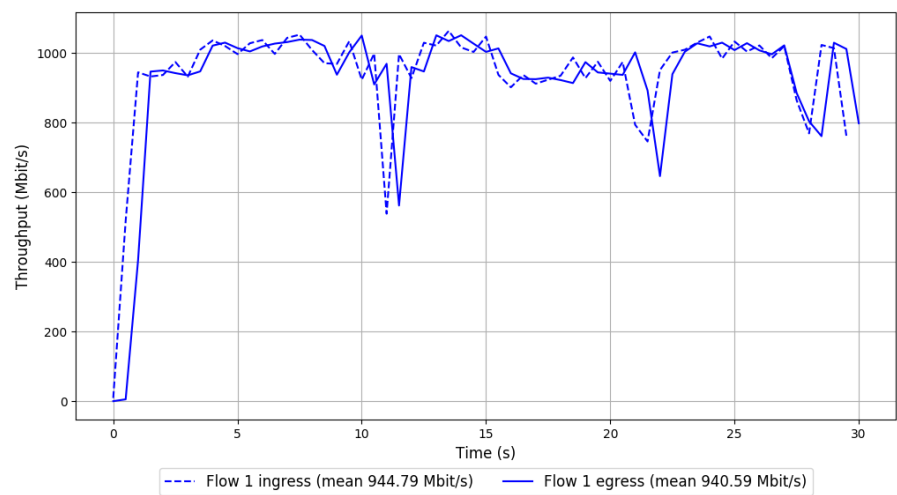
-- Flow 1:

Average throughput: 940.59 Mbit/s

95th percentile per-packet one-way delay: 72.758 ms

Loss rate: 0.44%

Run 1: Report of FillP-Sheep — Data Link

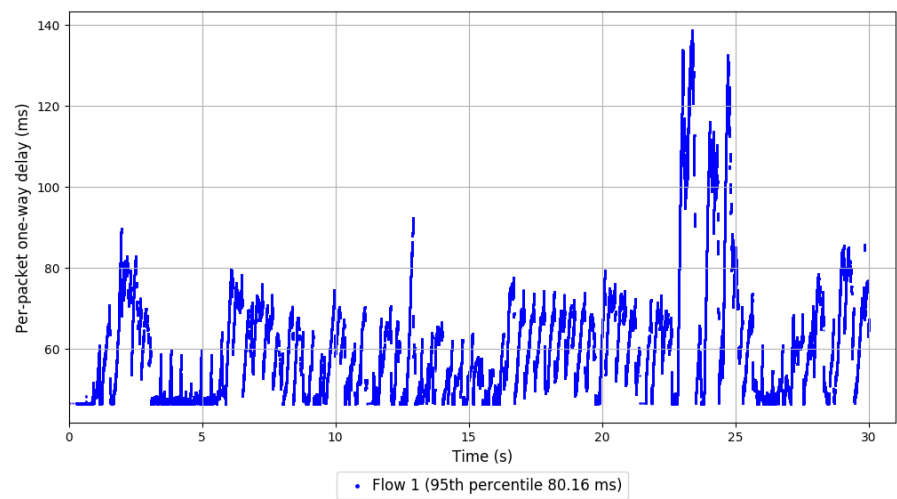
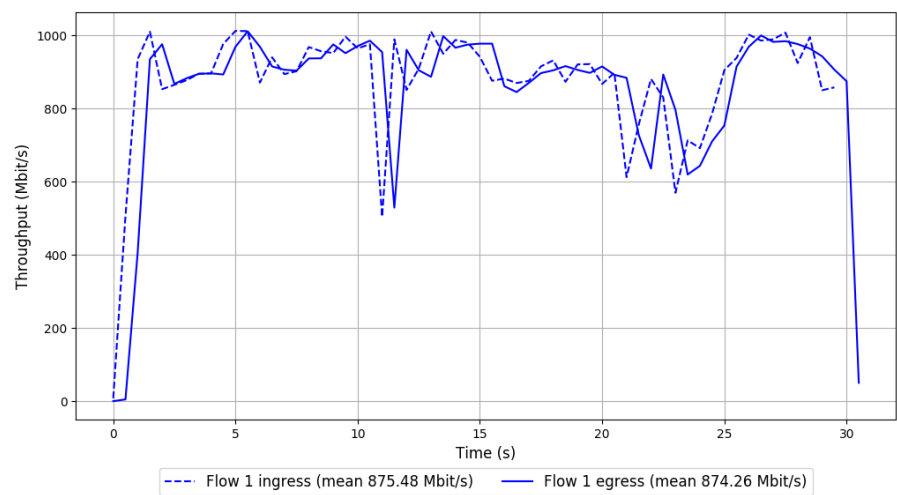


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-06 00:18:21
End at: 2019-02-06 00:18:51
Local clock offset: -0.072 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-02-06 03:05:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 874.26 Mbit/s
95th percentile per-packet one-way delay: 80.155 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 874.26 Mbit/s
95th percentile per-packet one-way delay: 80.155 ms
Loss rate: 0.13%

Run 2: Report of FillP-Sheep — Data Link

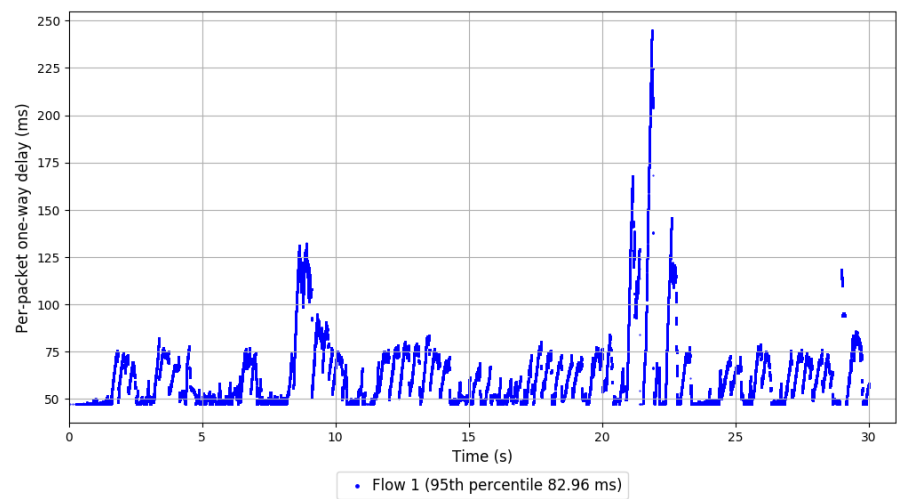
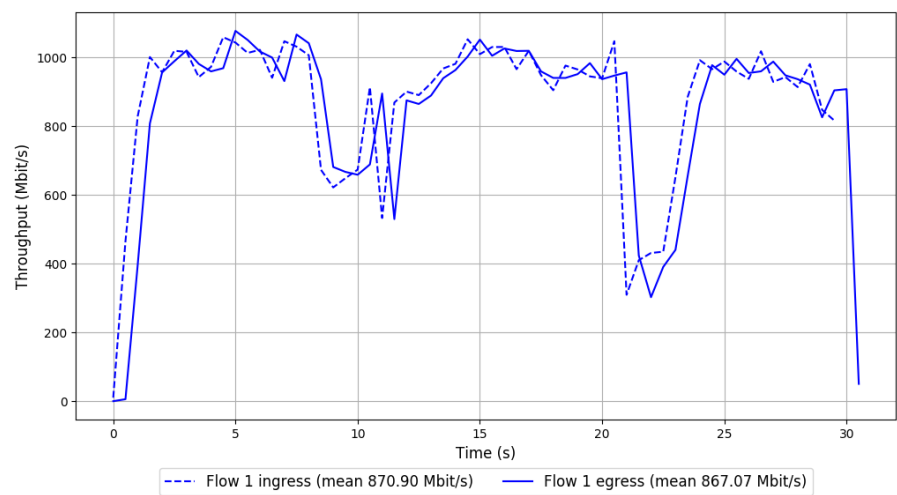


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-06 00:48:27
End at: 2019-02-06 00:48:57
Local clock offset: 0.235 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-06 03:05:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 867.07 Mbit/s
95th percentile per-packet one-way delay: 82.958 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 867.07 Mbit/s
95th percentile per-packet one-way delay: 82.958 ms
Loss rate: 0.44%

Run 3: Report of FillP-Sheep — Data Link

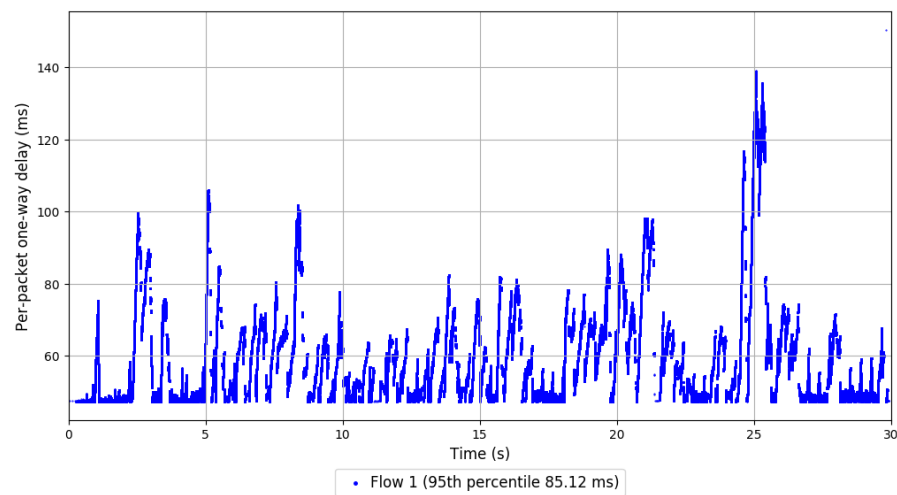
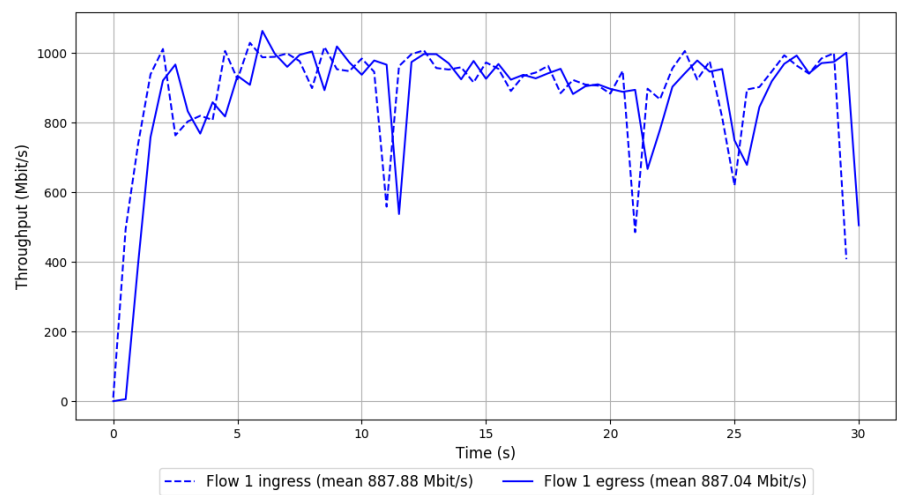


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-06 01:18:45
End at: 2019-02-06 01:19:15
Local clock offset: 0.127 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-02-06 03:20:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 887.04 Mbit/s
95th percentile per-packet one-way delay: 85.125 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 887.04 Mbit/s
95th percentile per-packet one-way delay: 85.125 ms
Loss rate: 0.09%

Run 4: Report of FillP-Sheep — Data Link

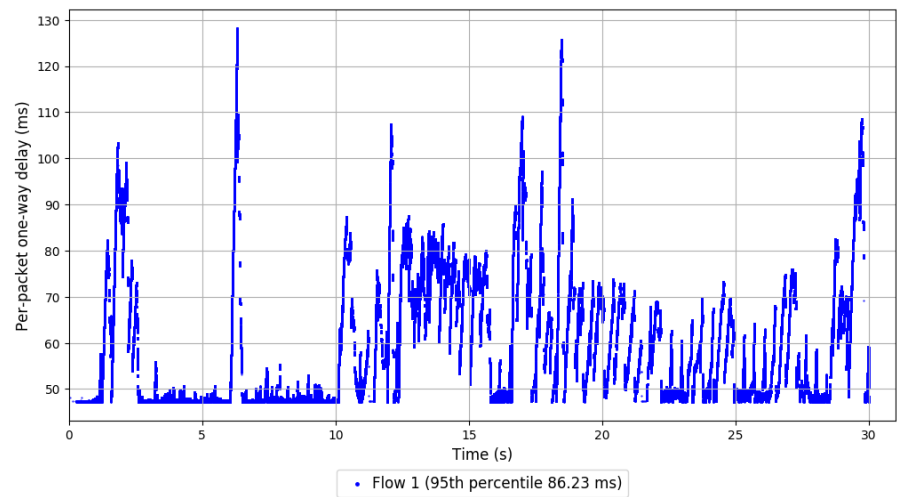
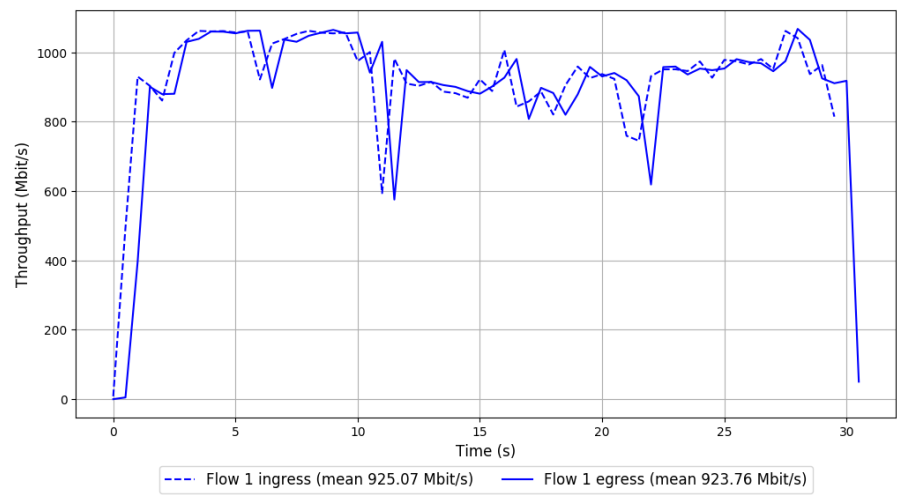


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-06 01:50:21
End at: 2019-02-06 01:50:51
Local clock offset: 0.011 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-02-06 03:28:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 923.76 Mbit/s
95th percentile per-packet one-way delay: 86.235 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 923.76 Mbit/s
95th percentile per-packet one-way delay: 86.235 ms
Loss rate: 0.14%

Run 5: Report of FillP-Sheep — Data Link

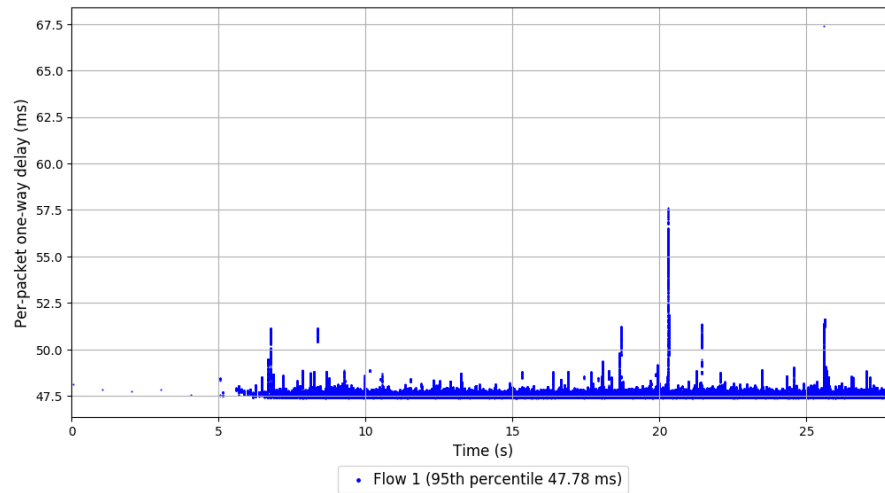
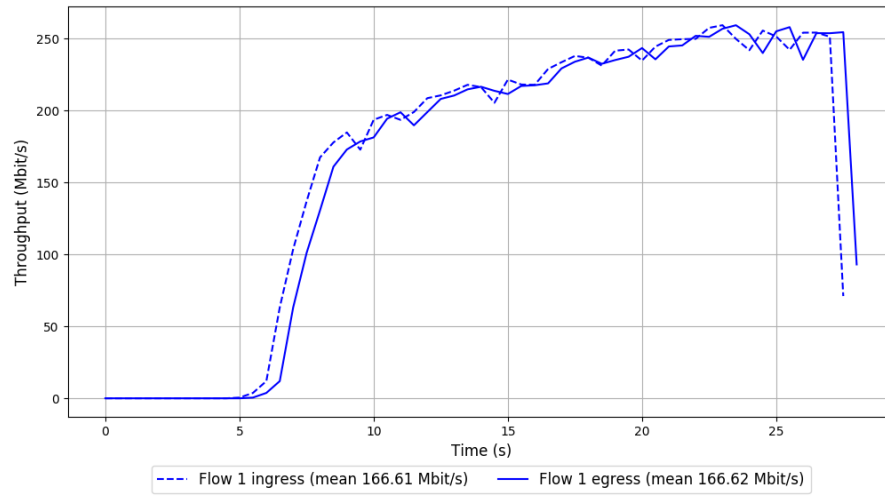


```
Run 1: Statistics of Indigo

Start at: 2019-02-05 23:33:50
End at: 2019-02-05 23:34:20
Local clock offset: -0.245 ms
Remote clock offset: 0.165 ms

# Below is generated by plot.py at 2019-02-06 03:28:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.62 Mbit/s
95th percentile per-packet one-way delay: 47.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.62 Mbit/s
95th percentile per-packet one-way delay: 47.784 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-02-06 00:04:39

End at: 2019-02-06 00:05:09

Local clock offset: -0.3 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 47.712 ms

Loss rate: 0.00%

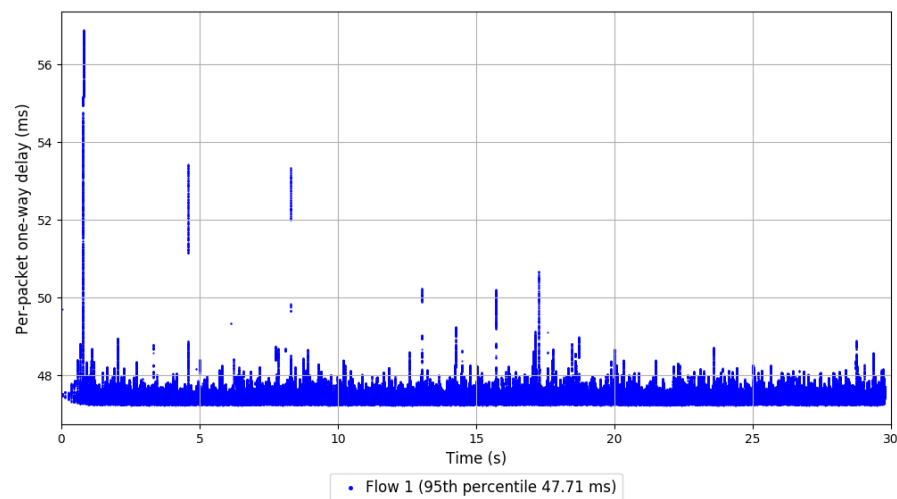
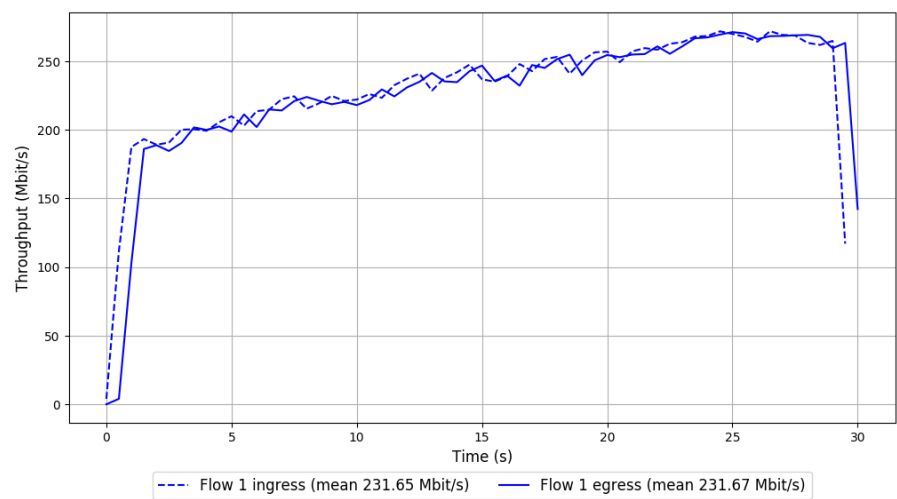
-- Flow 1:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 47.712 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

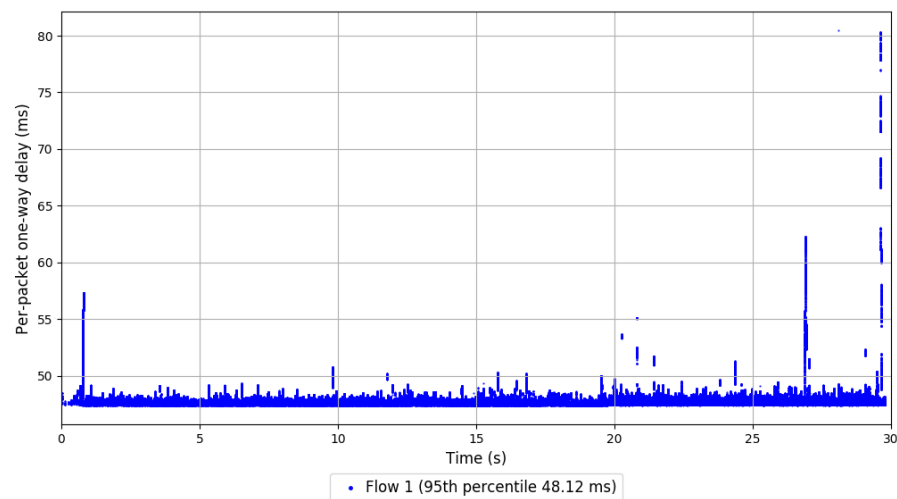
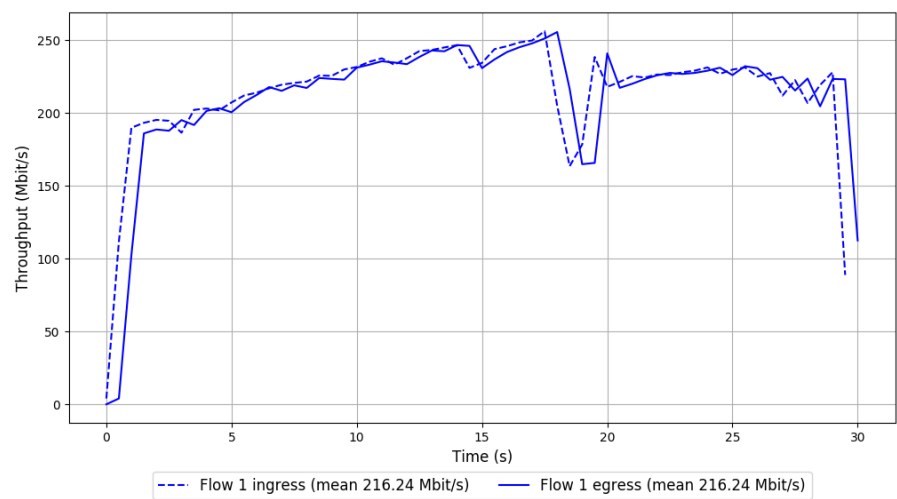


Run 3: Statistics of Indigo

Start at: 2019-02-06 00:34:49
End at: 2019-02-06 00:35:19
Local clock offset: 0.101 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-02-06 03:28:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.24 Mbit/s
95th percentile per-packet one-way delay: 48.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.24 Mbit/s
95th percentile per-packet one-way delay: 48.125 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-06 01:04:55

End at: 2019-02-06 01:05:25

Local clock offset: 0.123 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.49 Mbit/s

95th percentile per-packet one-way delay: 48.265 ms

Loss rate: 0.00%

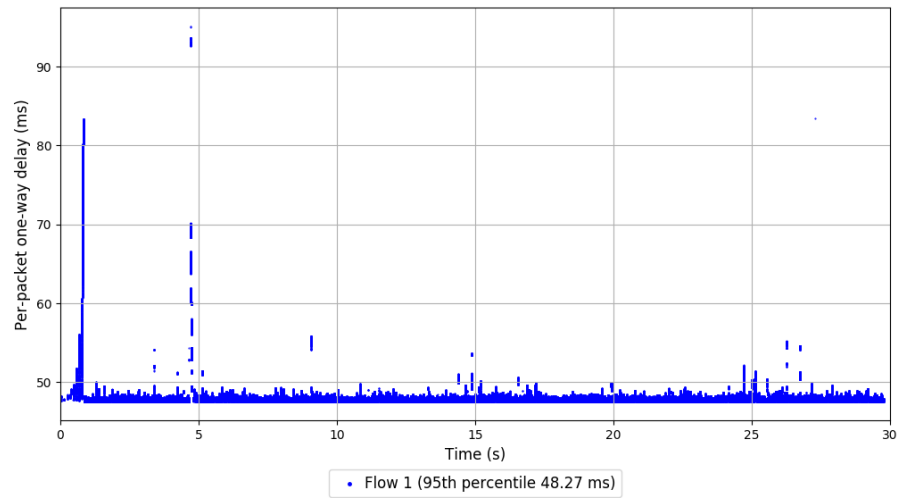
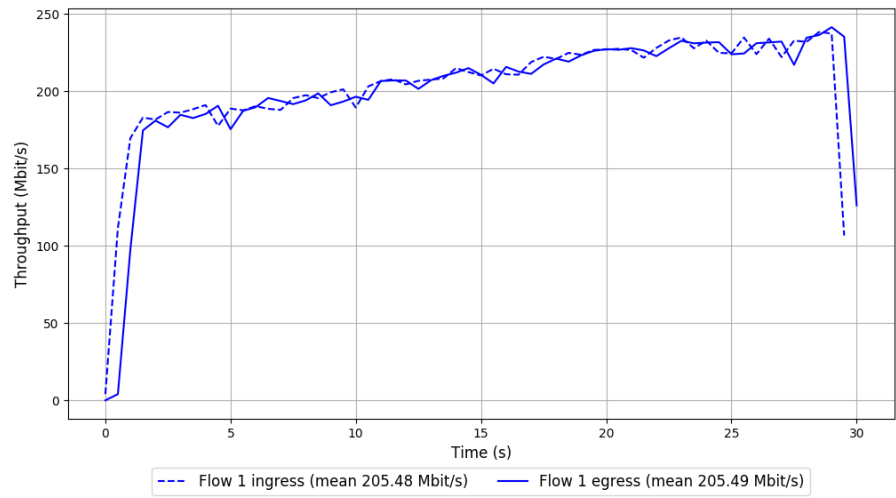
-- Flow 1:

Average throughput: 205.49 Mbit/s

95th percentile per-packet one-way delay: 48.265 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-06 01:36:04

End at: 2019-02-06 01:36:34

Local clock offset: 0.011 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.54 Mbit/s

95th percentile per-packet one-way delay: 47.758 ms

Loss rate: 0.00%

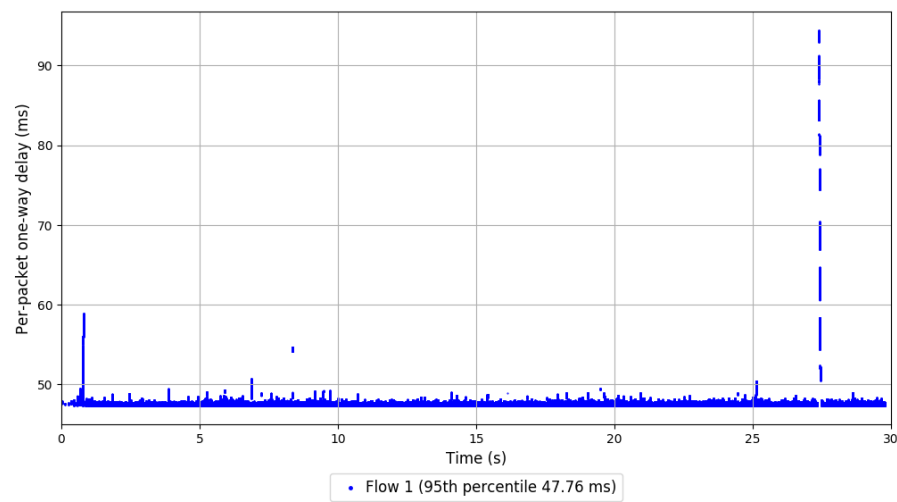
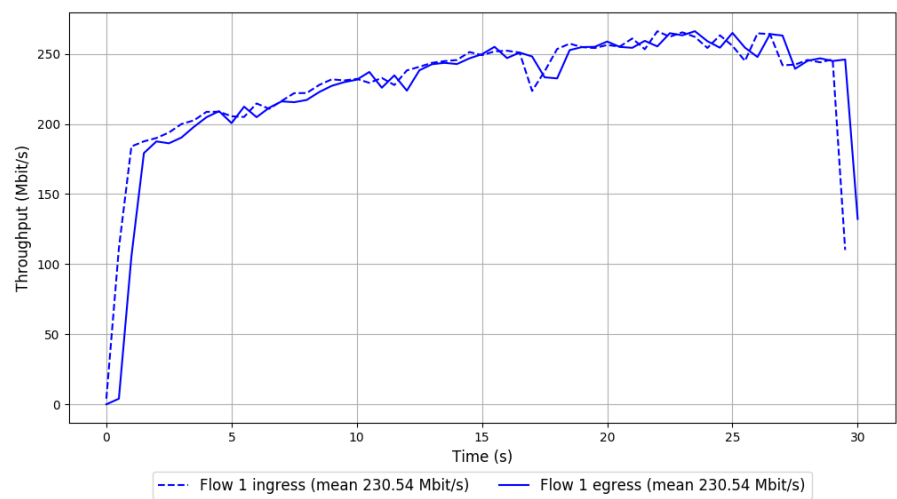
-- Flow 1:

Average throughput: 230.54 Mbit/s

95th percentile per-packet one-way delay: 47.758 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-05 23:37:26

End at: 2019-02-05 23:37:56

Local clock offset: -0.214 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 588.79 Mbit/s

95th percentile per-packet one-way delay: 78.202 ms

Loss rate: 0.03%

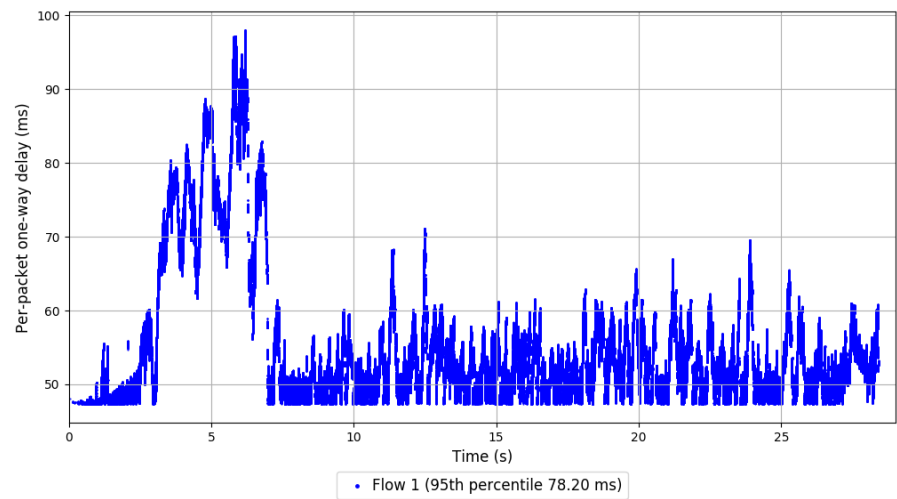
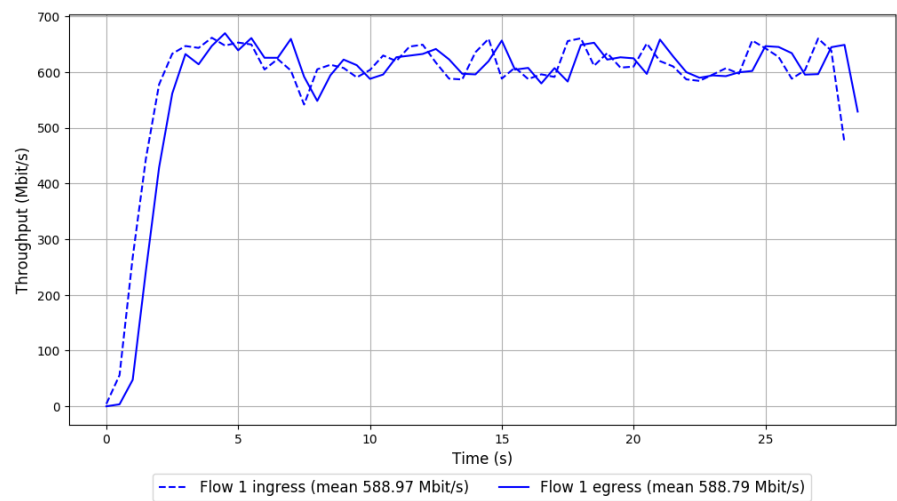
-- Flow 1:

Average throughput: 588.79 Mbit/s

95th percentile per-packet one-way delay: 78.202 ms

Loss rate: 0.03%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-06 00:08:25

End at: 2019-02-06 00:08:55

Local clock offset: -0.31 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 586.18 Mbit/s

95th percentile per-packet one-way delay: 59.995 ms

Loss rate: 0.02%

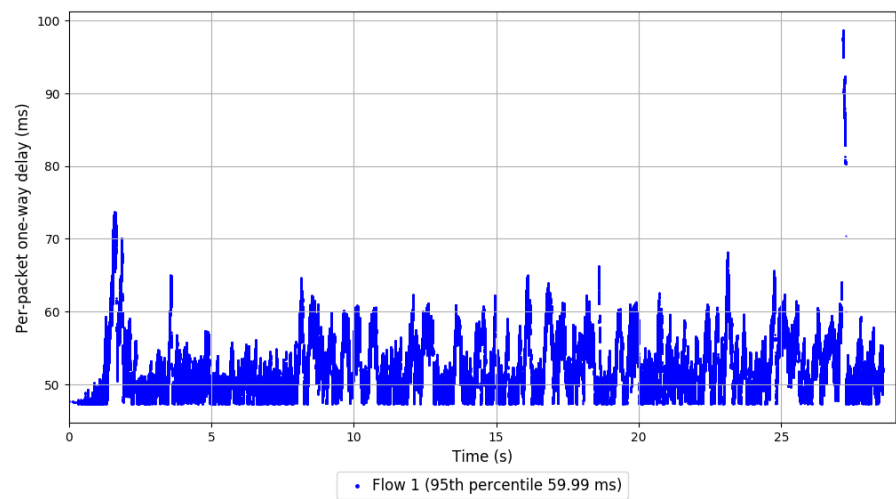
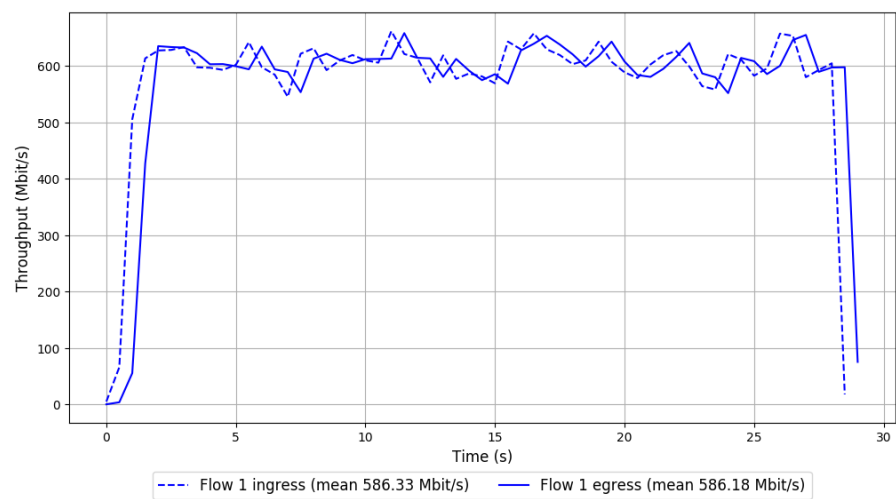
-- Flow 1:

Average throughput: 586.18 Mbit/s

95th percentile per-packet one-way delay: 59.995 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesC3 — Data Link

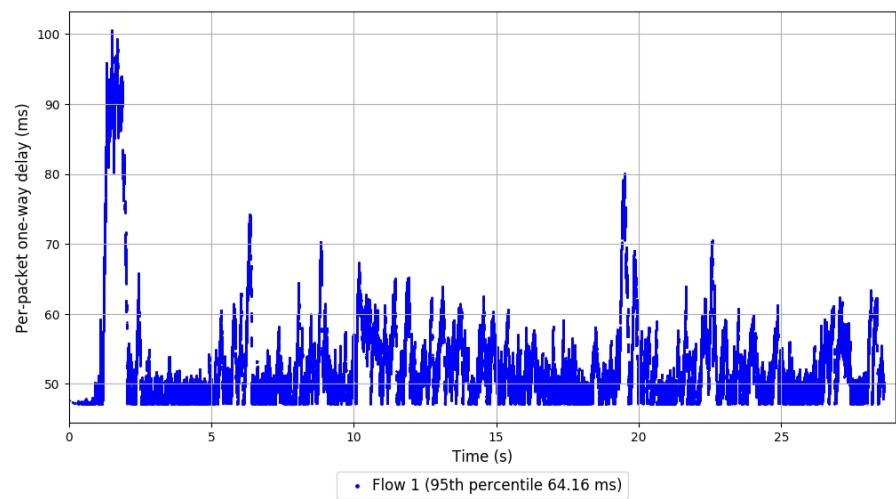
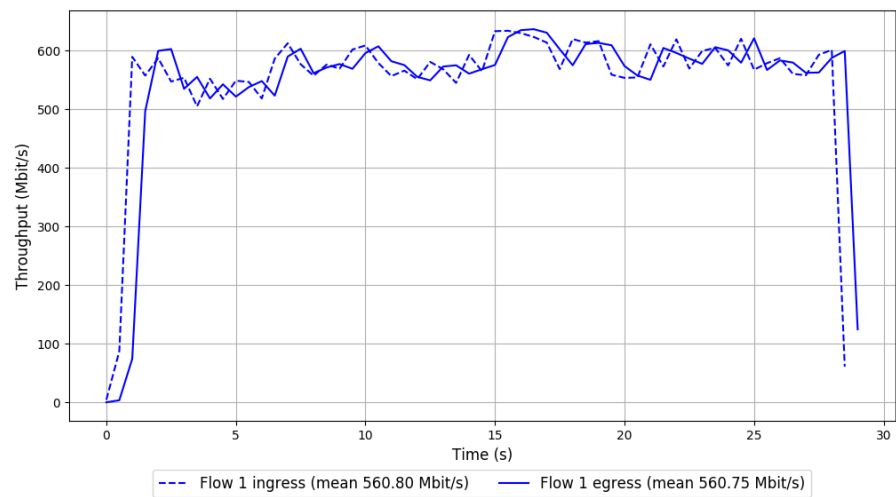


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-06 00:38:34
End at: 2019-02-06 00:39:04
Local clock offset: 0.101 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-02-06 03:28:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 560.75 Mbit/s
95th percentile per-packet one-way delay: 64.162 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 560.75 Mbit/s
95th percentile per-packet one-way delay: 64.162 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-06 01:08:40

End at: 2019-02-06 01:09:10

Local clock offset: 0.132 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.64 Mbit/s

95th percentile per-packet one-way delay: 72.492 ms

Loss rate: 0.02%

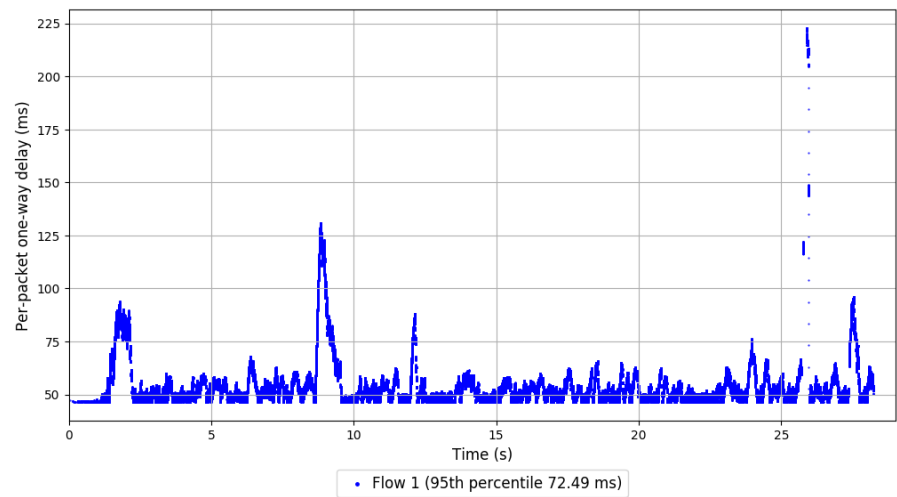
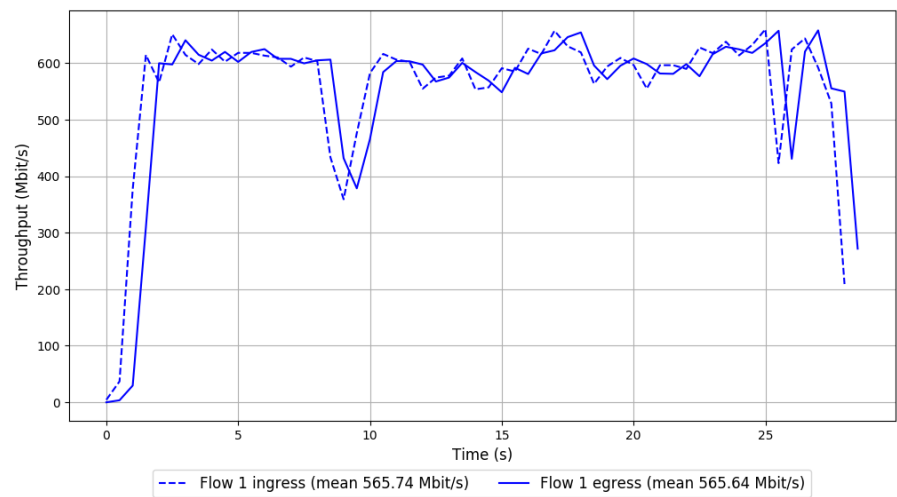
-- Flow 1:

Average throughput: 565.64 Mbit/s

95th percentile per-packet one-way delay: 72.492 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesC3 — Data Link

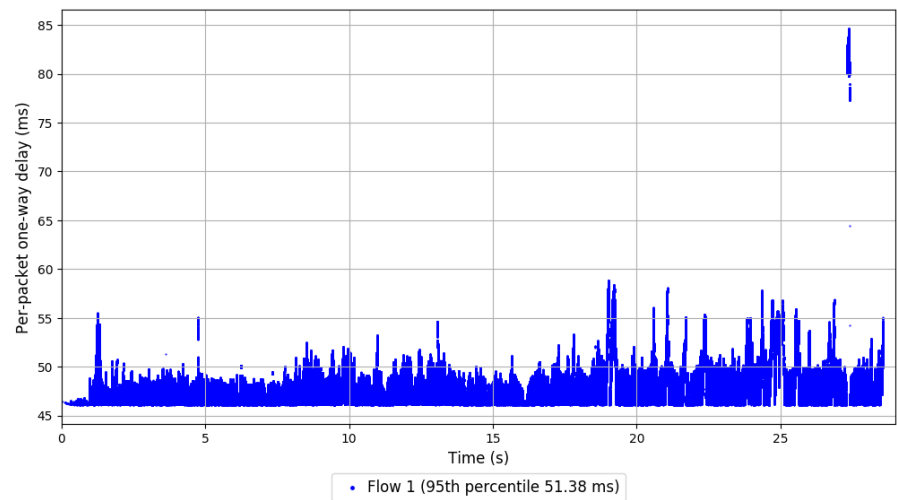
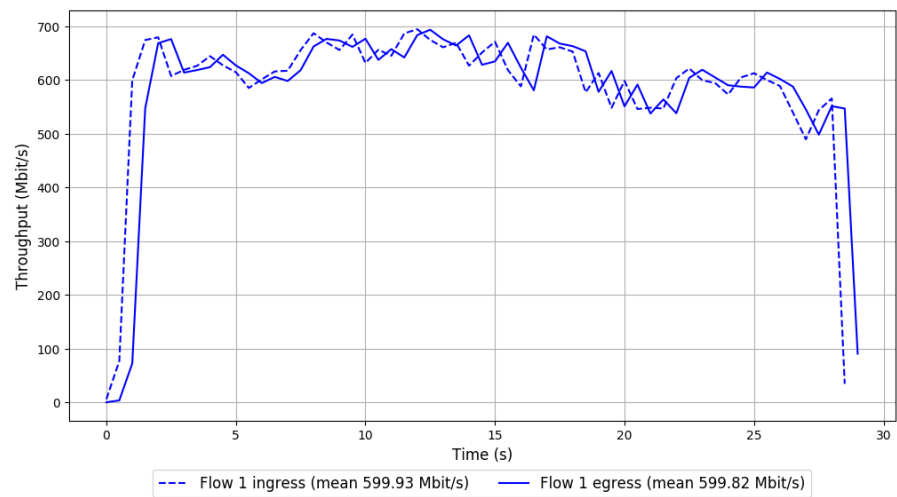


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-06 01:39:54
End at: 2019-02-06 01:40:24
Local clock offset: 0.305 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-06 03:28:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 599.82 Mbit/s
95th percentile per-packet one-way delay: 51.375 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 599.82 Mbit/s
95th percentile per-packet one-way delay: 51.375 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-05 23:58:59

End at: 2019-02-05 23:59:29

Local clock offset: -0.29 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-02-06 03:28:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.20 Mbit/s

95th percentile per-packet one-way delay: 67.228 ms

Loss rate: 0.00%

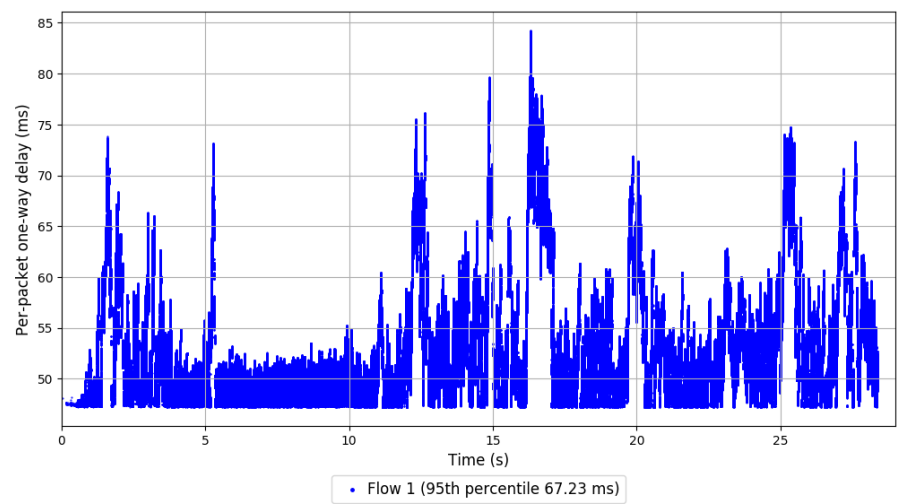
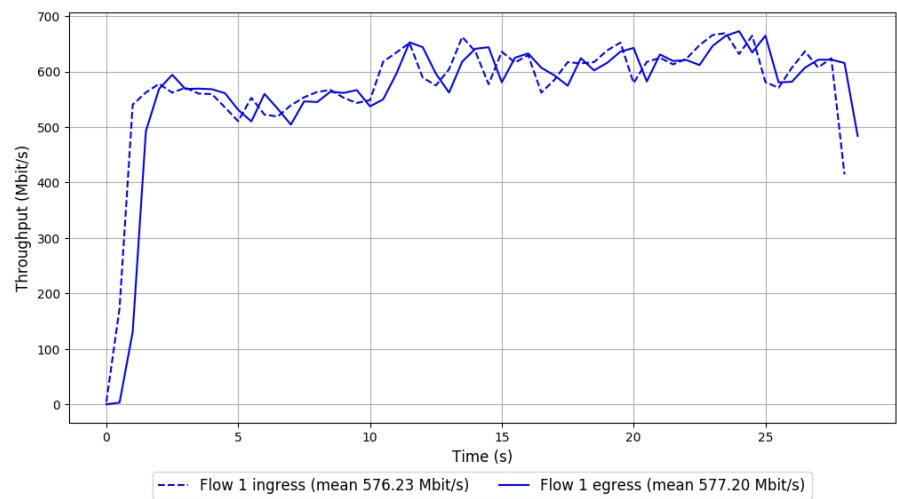
-- Flow 1:

Average throughput: 577.20 Mbit/s

95th percentile per-packet one-way delay: 67.228 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-06 00:29:12

End at: 2019-02-06 00:29:42

Local clock offset: 0.434 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-02-06 03:31:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.01 Mbit/s

95th percentile per-packet one-way delay: 72.927 ms

Loss rate: 0.07%

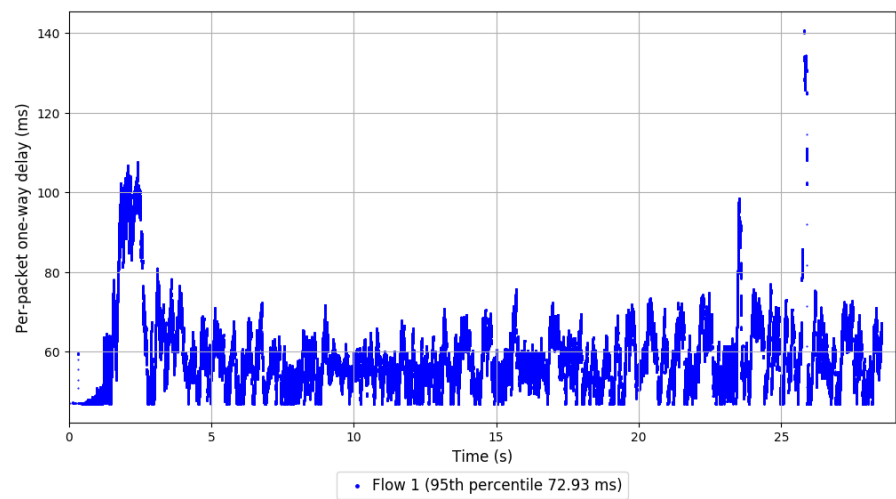
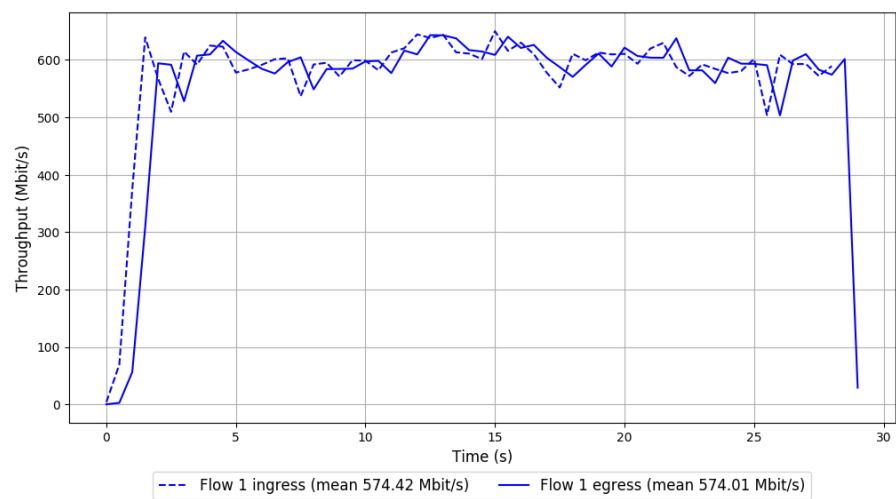
-- Flow 1:

Average throughput: 574.01 Mbit/s

95th percentile per-packet one-way delay: 72.927 ms

Loss rate: 0.07%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-06 00:59:22

End at: 2019-02-06 00:59:52

Local clock offset: 0.142 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-02-06 03:33:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 555.92 Mbit/s

95th percentile per-packet one-way delay: 84.014 ms

Loss rate: 0.12%

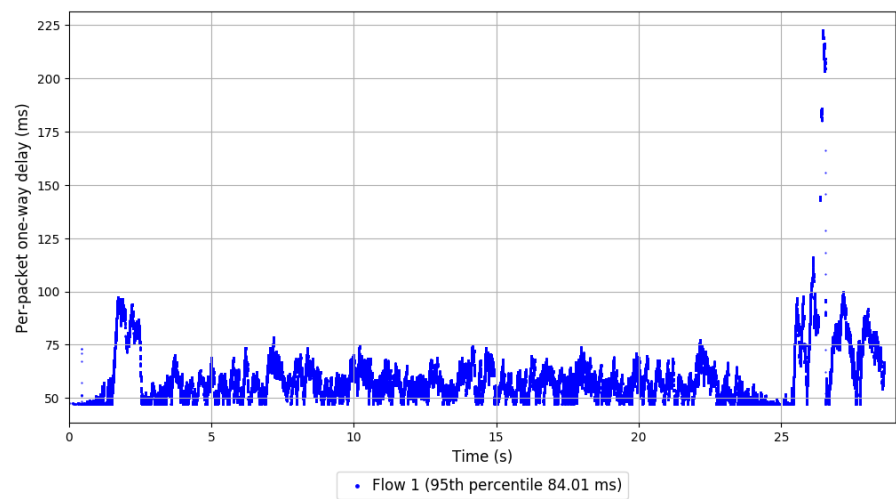
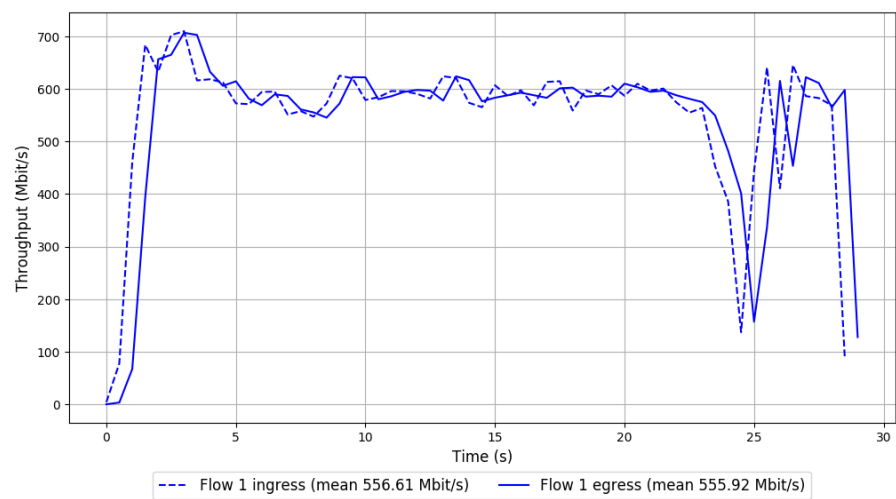
-- Flow 1:

Average throughput: 555.92 Mbit/s

95th percentile per-packet one-way delay: 84.014 ms

Loss rate: 0.12%

Run 3: Report of Indigo-MusesC5 — Data Link

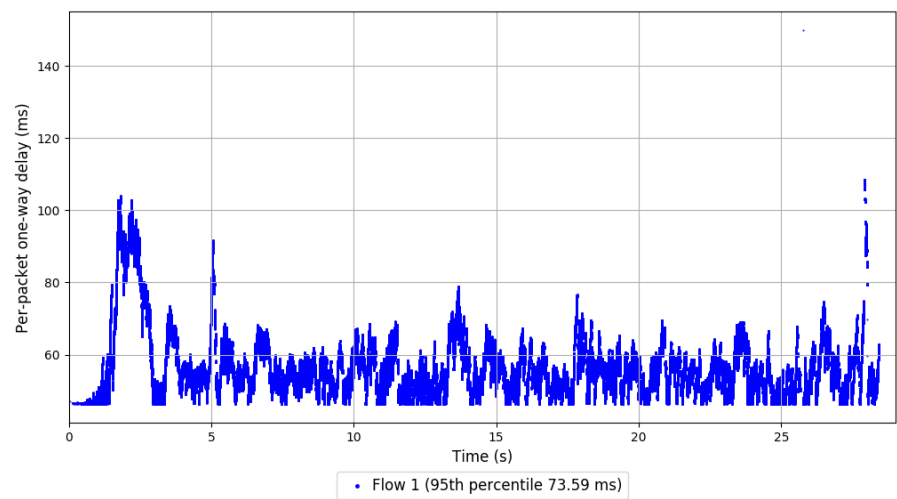
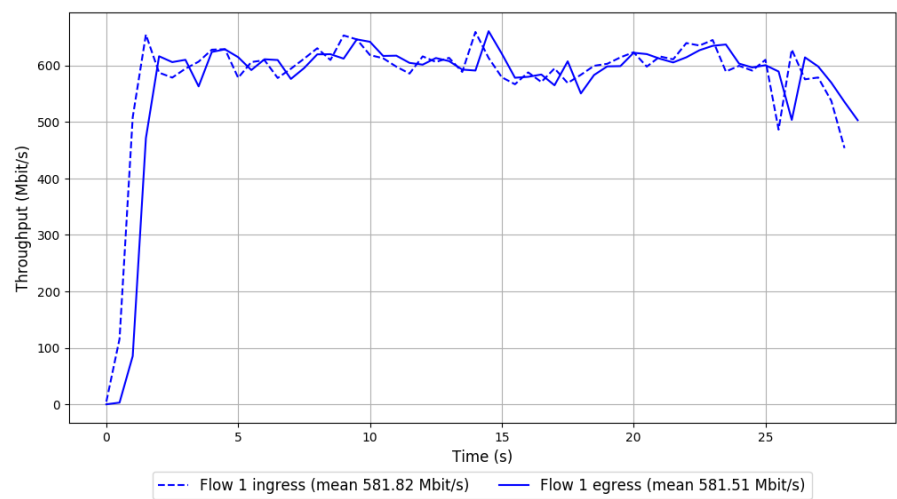


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-06 01:30:12
End at: 2019-02-06 01:30:42
Local clock offset: 0.051 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-02-06 03:38:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.51 Mbit/s
95th percentile per-packet one-way delay: 73.590 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 581.51 Mbit/s
95th percentile per-packet one-way delay: 73.590 ms
Loss rate: 0.05%

Run 4: Report of Indigo-MusesC5 — Data Link

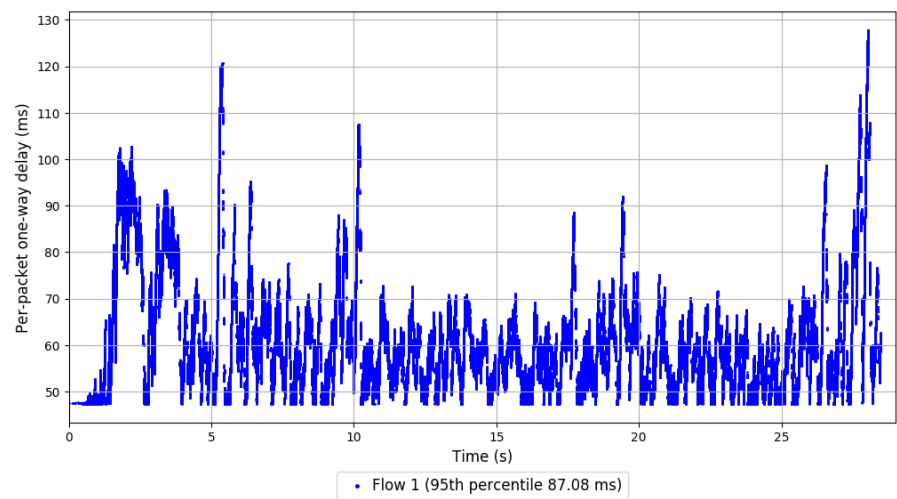
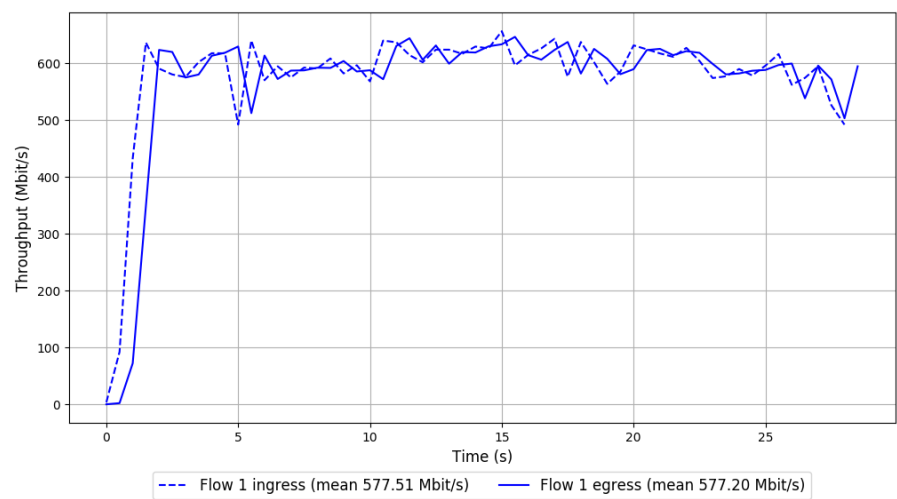


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-06 02:01:28
End at: 2019-02-06 02:01:58
Local clock offset: -0.025 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-02-06 03:39:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 577.20 Mbit/s
95th percentile per-packet one-way delay: 87.083 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 577.20 Mbit/s
95th percentile per-packet one-way delay: 87.083 ms
Loss rate: 0.05%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-05 23:45:59

End at: 2019-02-05 23:46:29

Local clock offset: -0.247 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-02-06 03:39:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 531.11 Mbit/s

95th percentile per-packet one-way delay: 77.542 ms

Loss rate: 0.07%

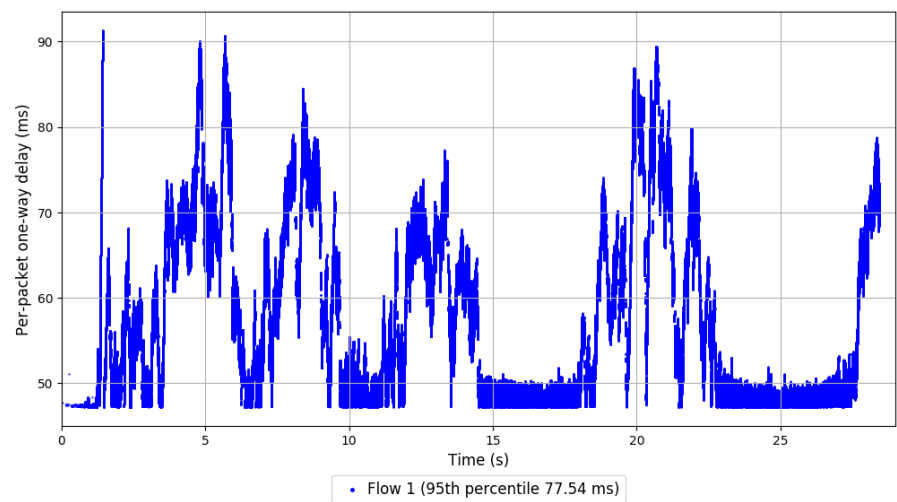
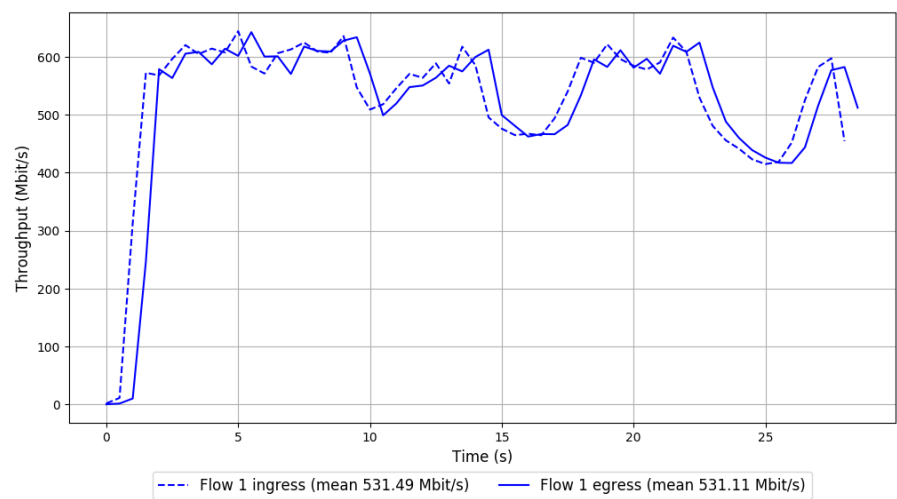
-- Flow 1:

Average throughput: 531.11 Mbit/s

95th percentile per-packet one-way delay: 77.542 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-06 00:16:50

End at: 2019-02-06 00:17:20

Local clock offset: -0.063 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-02-06 03:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 531.58 Mbit/s

95th percentile per-packet one-way delay: 77.163 ms

Loss rate: 0.11%

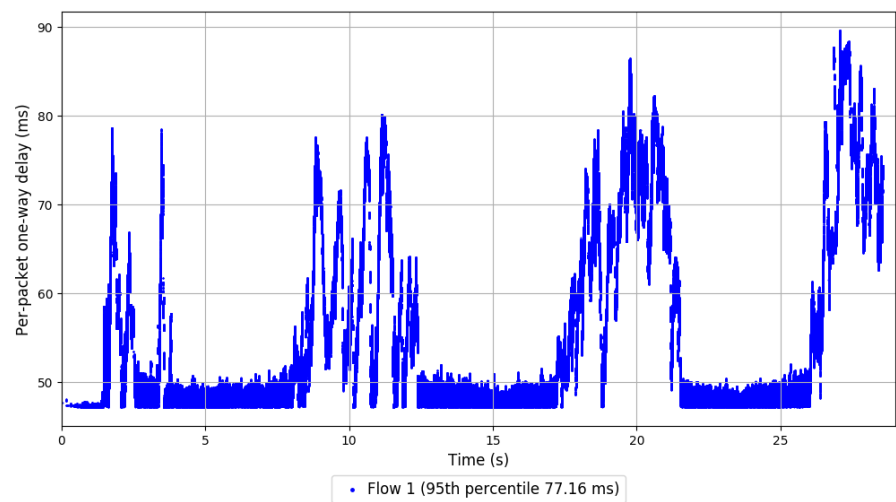
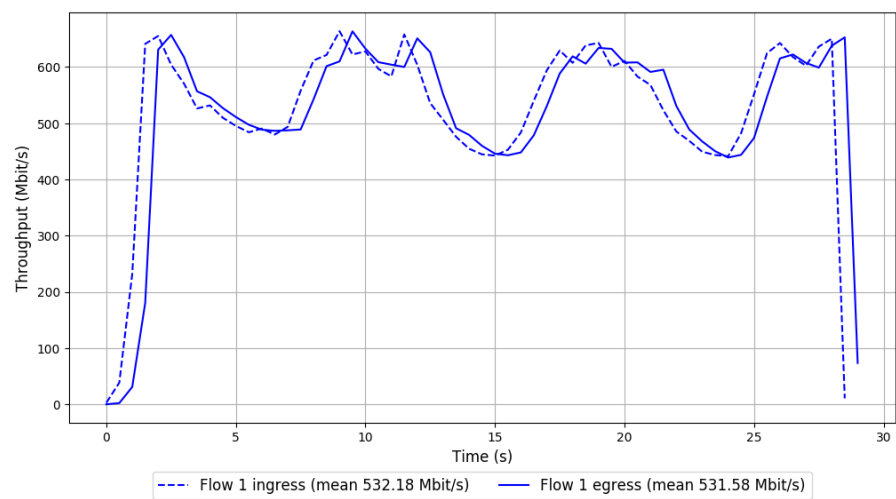
-- Flow 1:

Average throughput: 531.58 Mbit/s

95th percentile per-packet one-way delay: 77.163 ms

Loss rate: 0.11%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-06 00:46:57

End at: 2019-02-06 00:47:27

Local clock offset: 0.1 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-06 03:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.02 Mbit/s

95th percentile per-packet one-way delay: 80.083 ms

Loss rate: 0.00%

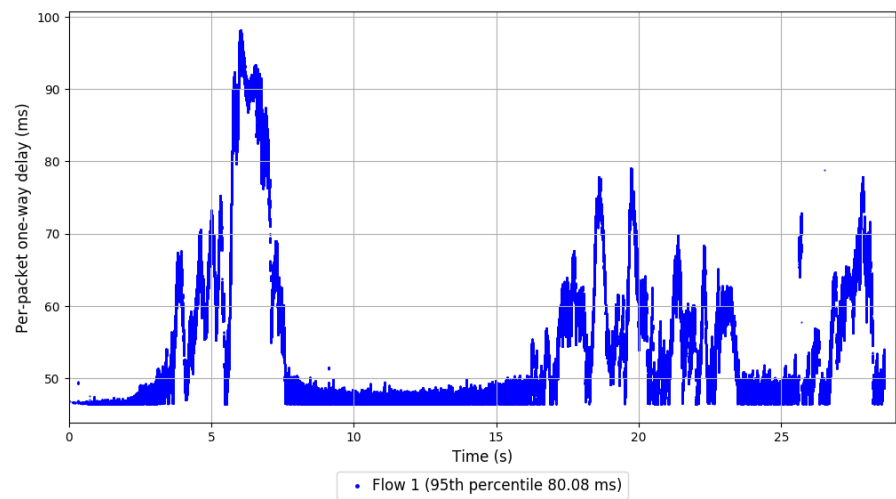
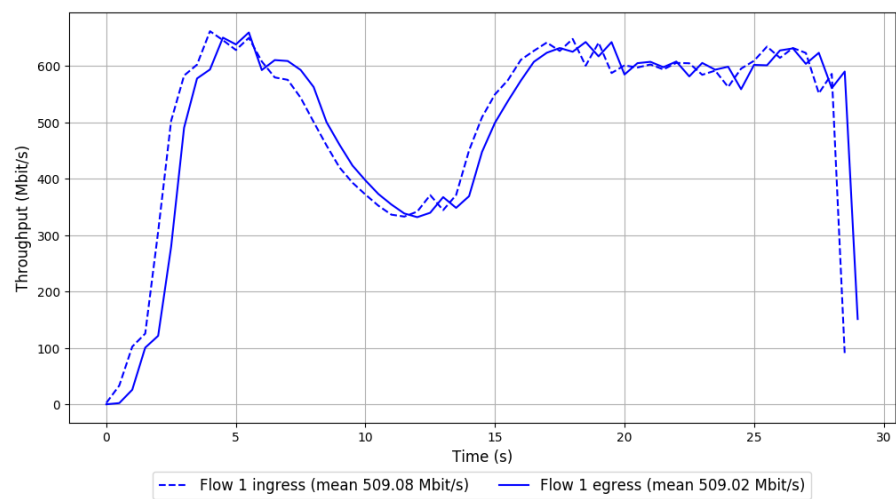
-- Flow 1:

Average throughput: 509.02 Mbit/s

95th percentile per-packet one-way delay: 80.083 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-06 01:17:15

End at: 2019-02-06 01:17:45

Local clock offset: 0.355 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-02-06 03:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.46 Mbit/s

95th percentile per-packet one-way delay: 81.902 ms

Loss rate: 0.00%

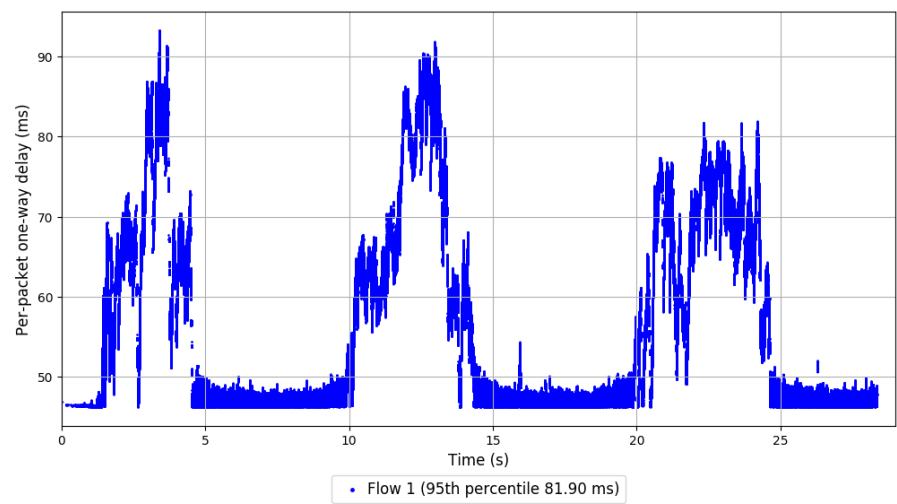
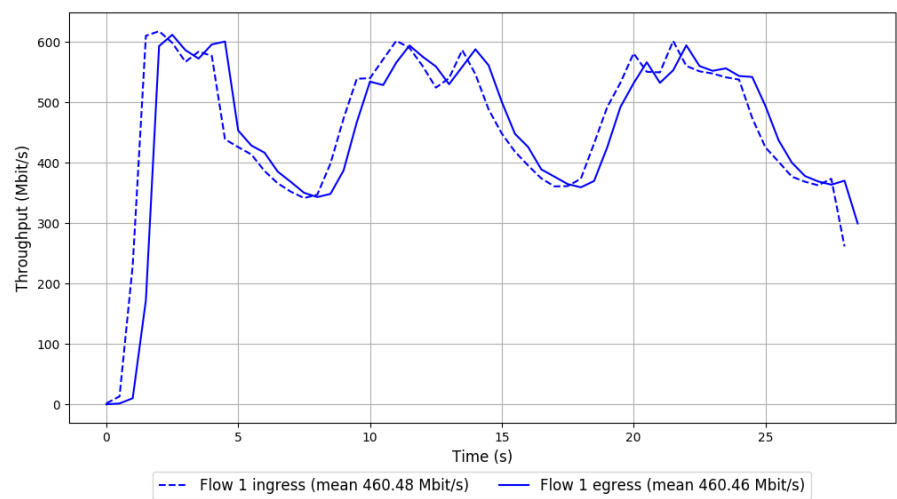
-- Flow 1:

Average throughput: 460.46 Mbit/s

95th percentile per-packet one-way delay: 81.902 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-06 01:48:50

End at: 2019-02-06 01:49:20

Local clock offset: -0.01 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-06 03:43:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.29 Mbit/s

95th percentile per-packet one-way delay: 86.034 ms

Loss rate: 0.00%

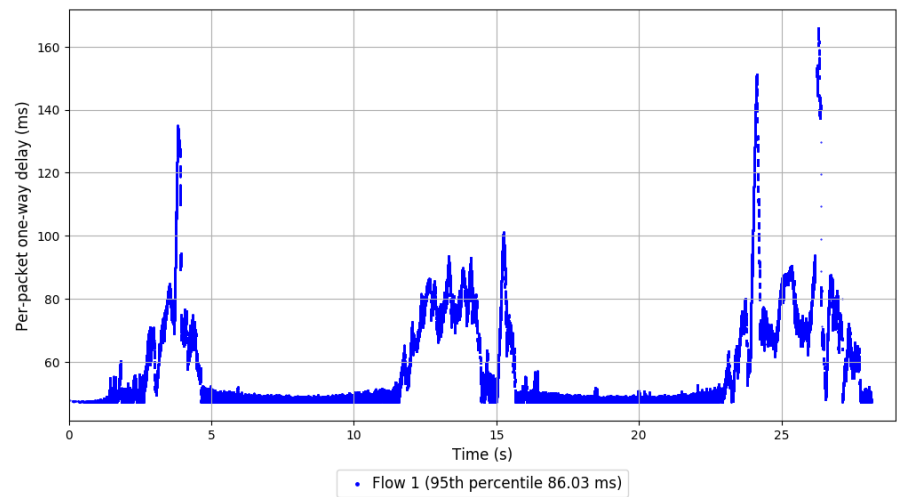
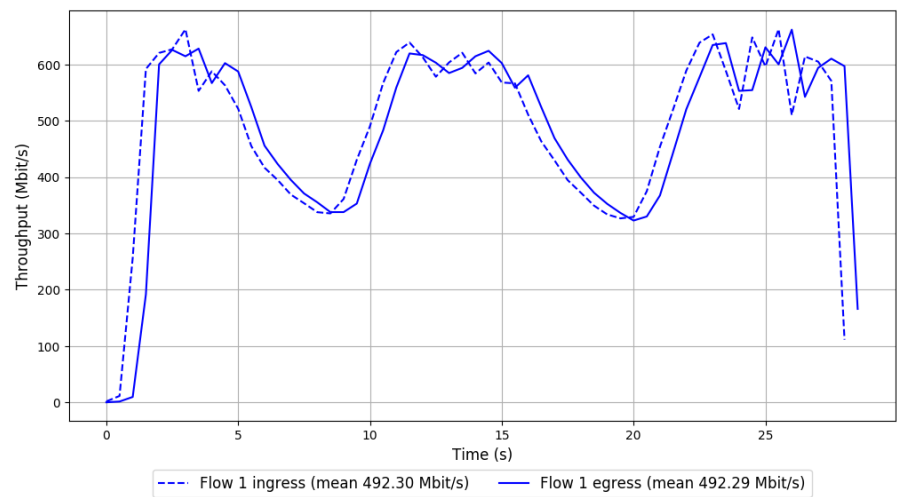
-- Flow 1:

Average throughput: 492.29 Mbit/s

95th percentile per-packet one-way delay: 86.034 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-05 23:41:40

End at: 2019-02-05 23:42:10

Local clock offset: -0.227 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2019-02-06 03:47:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 605.75 Mbit/s

95th percentile per-packet one-way delay: 105.659 ms

Loss rate: 0.18%

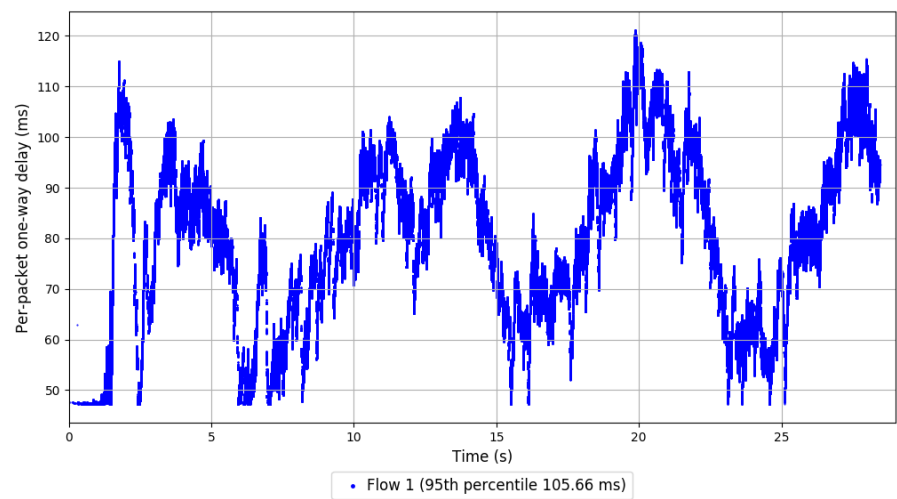
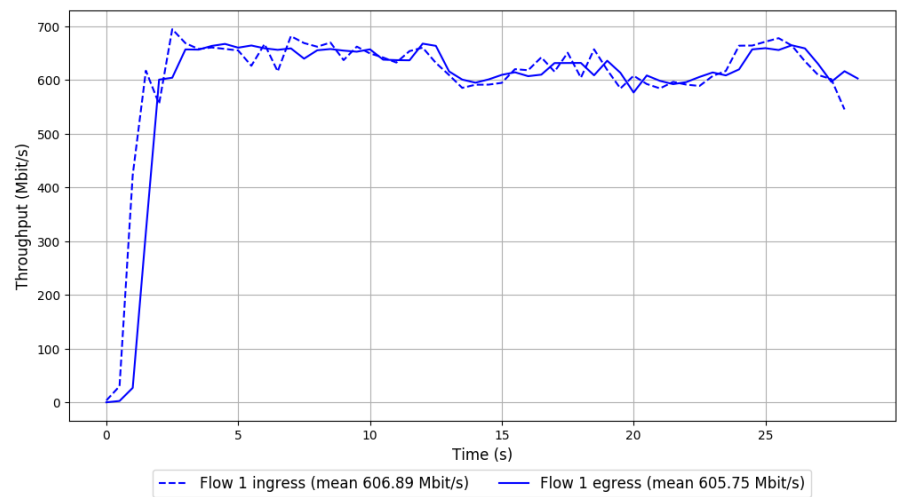
-- Flow 1:

Average throughput: 605.75 Mbit/s

95th percentile per-packet one-way delay: 105.659 ms

Loss rate: 0.18%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-06 00:12:34

End at: 2019-02-06 00:13:04

Local clock offset: -0.126 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-02-06 03:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.75 Mbit/s

95th percentile per-packet one-way delay: 121.824 ms

Loss rate: 0.18%

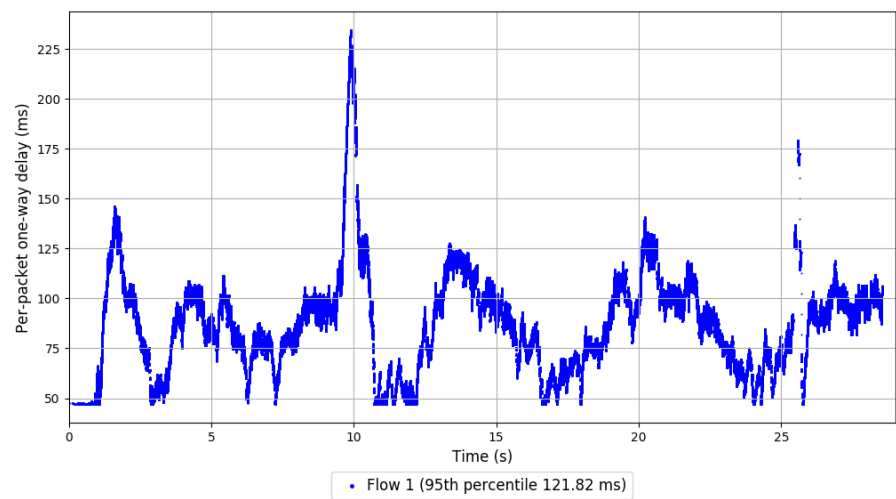
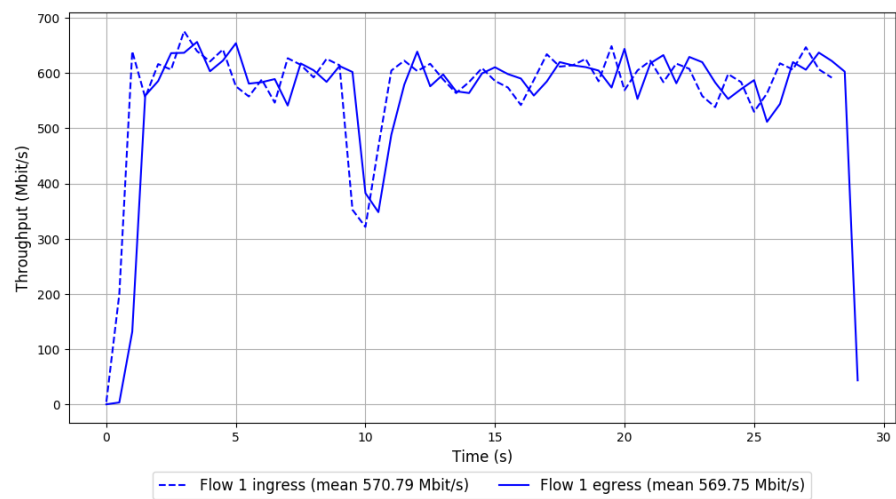
-- Flow 1:

Average throughput: 569.75 Mbit/s

95th percentile per-packet one-way delay: 121.824 ms

Loss rate: 0.18%

Run 2: Report of Indigo-MusesT — Data Link

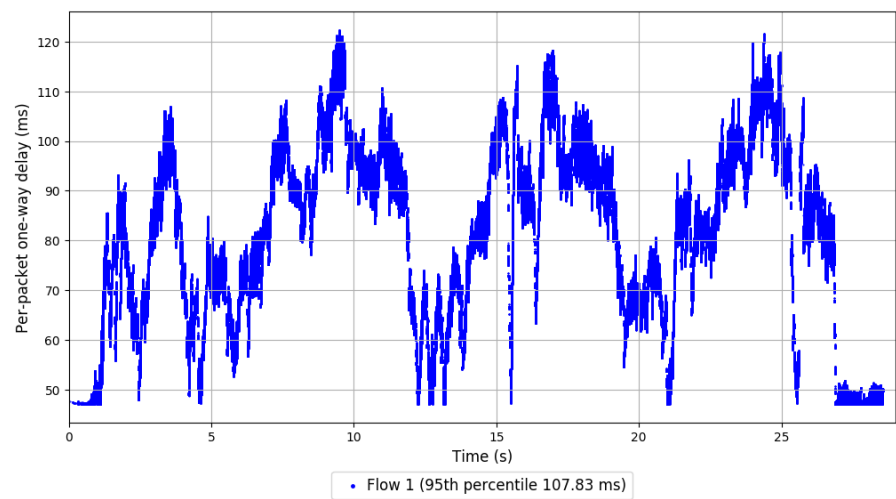
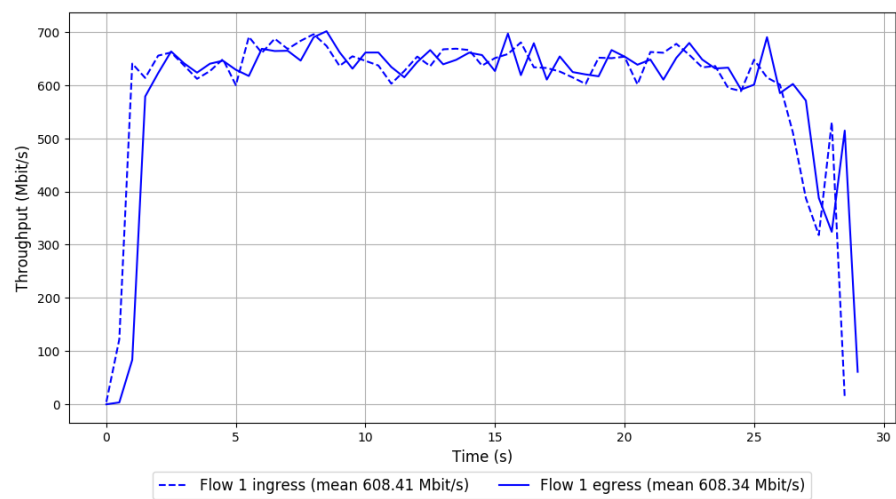


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-06 00:42:41
End at: 2019-02-06 00:43:11
Local clock offset: 0.163 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-02-06 03:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.34 Mbit/s
95th percentile per-packet one-way delay: 107.831 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 608.34 Mbit/s
95th percentile per-packet one-way delay: 107.831 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-06 01:12:55

End at: 2019-02-06 01:13:25

Local clock offset: 0.14 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2019-02-06 03:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 610.63 Mbit/s

95th percentile per-packet one-way delay: 106.737 ms

Loss rate: 0.13%

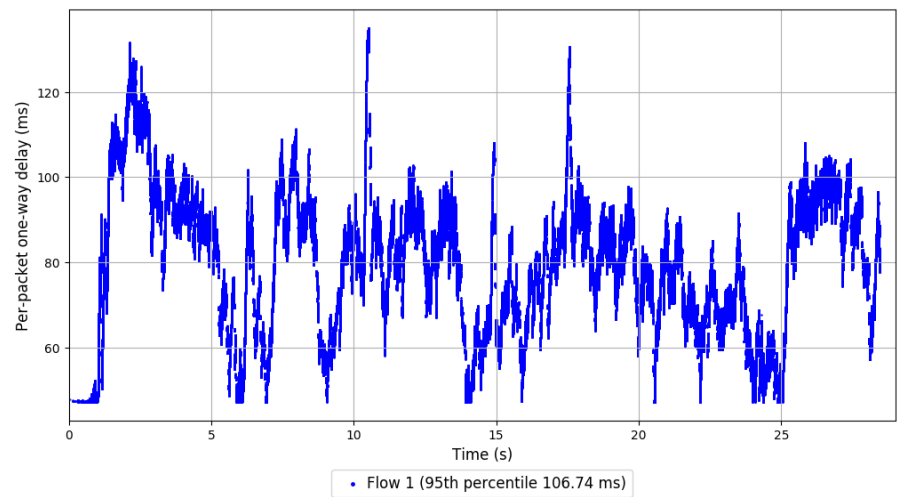
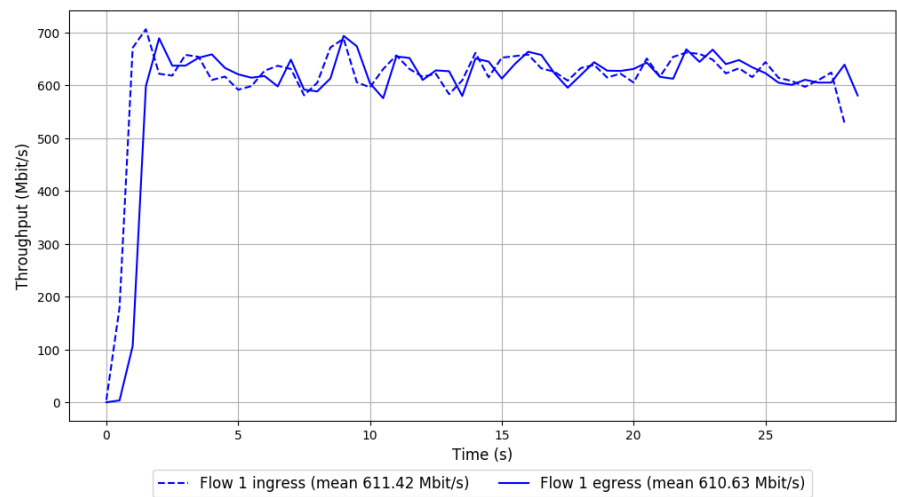
-- Flow 1:

Average throughput: 610.63 Mbit/s

95th percentile per-packet one-way delay: 106.737 ms

Loss rate: 0.13%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-06 01:44:18

End at: 2019-02-06 01:44:48

Local clock offset: 0.004 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-06 03:53:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 619.03 Mbit/s

95th percentile per-packet one-way delay: 105.829 ms

Loss rate: 0.14%

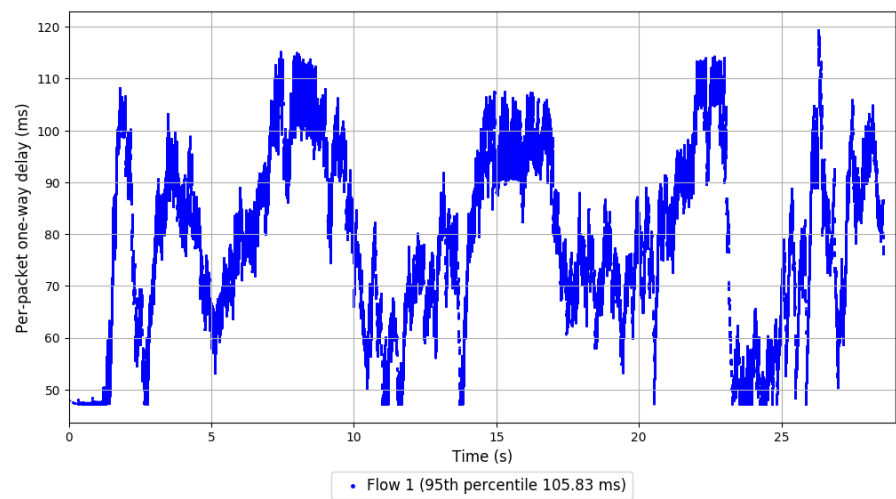
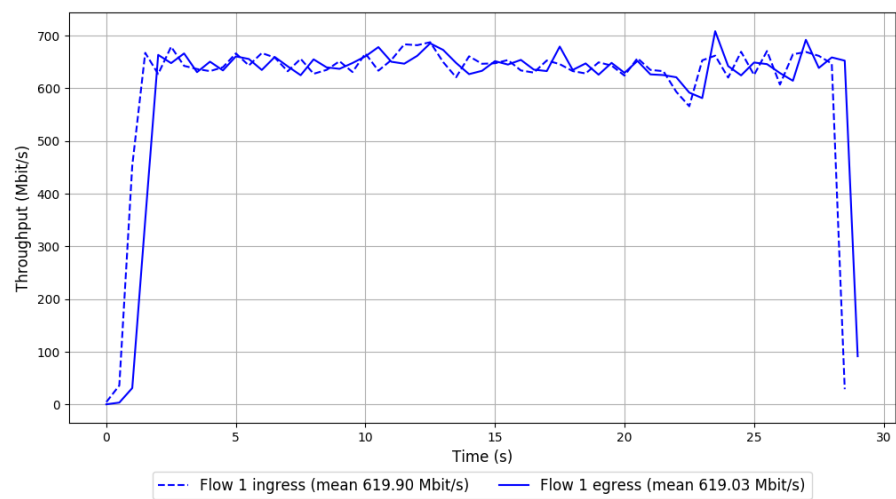
-- Flow 1:

Average throughput: 619.03 Mbit/s

95th percentile per-packet one-way delay: 105.829 ms

Loss rate: 0.14%

Run 5: Report of Indigo-MusesT — Data Link

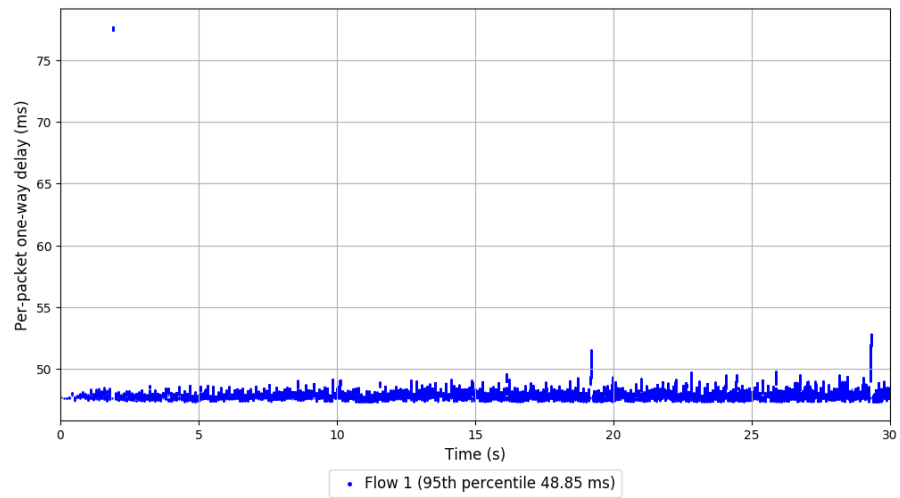
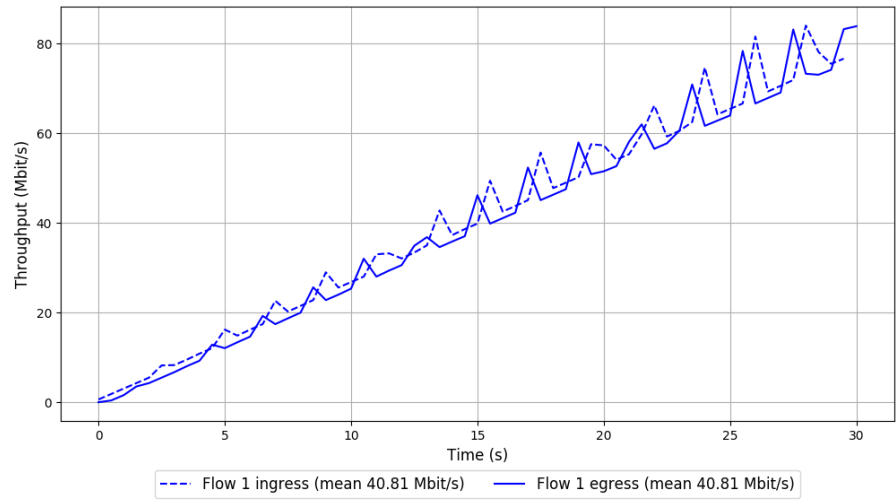


```
Run 1: Statistics of LEDBAT

Start at: 2019-02-05 23:44:48
End at: 2019-02-05 23:45:18
Local clock offset: -0.198 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2019-02-06 03:53:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 48.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 48.853 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-02-06 00:15:38

End at: 2019-02-06 00:16:08

Local clock offset: -0.086 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2019-02-06 03:53:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 47.923 ms

Loss rate: 0.00%

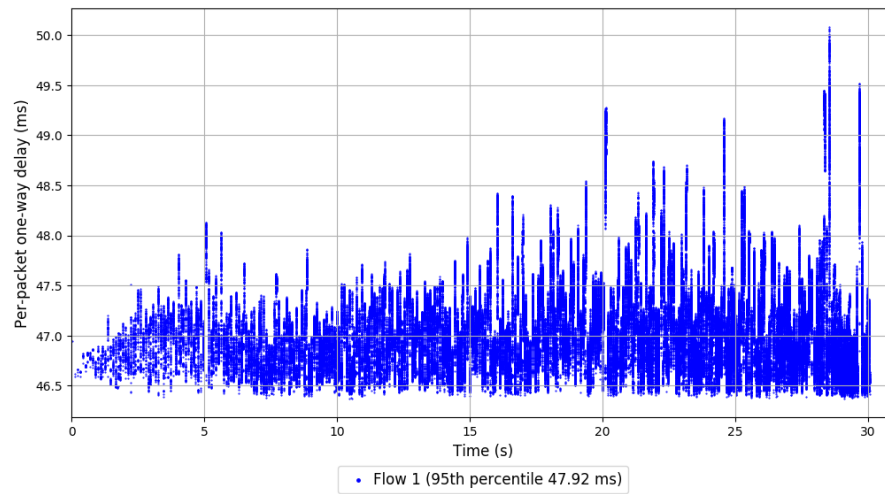
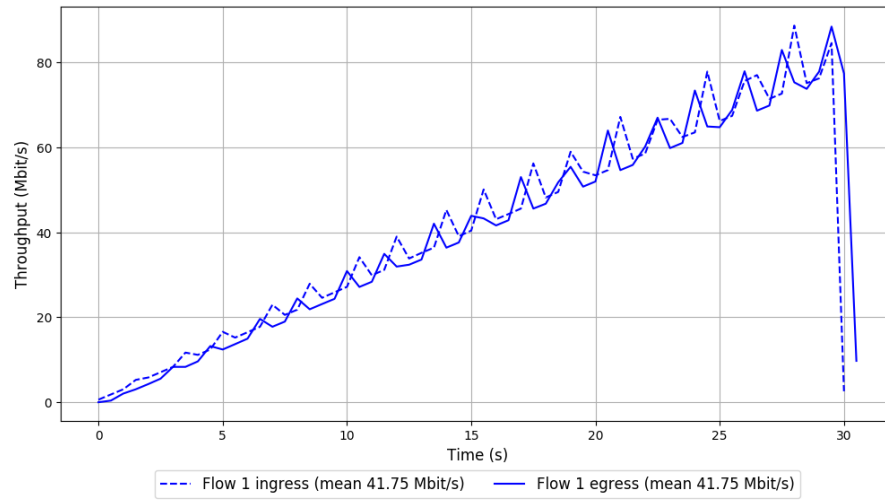
-- Flow 1:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 47.923 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

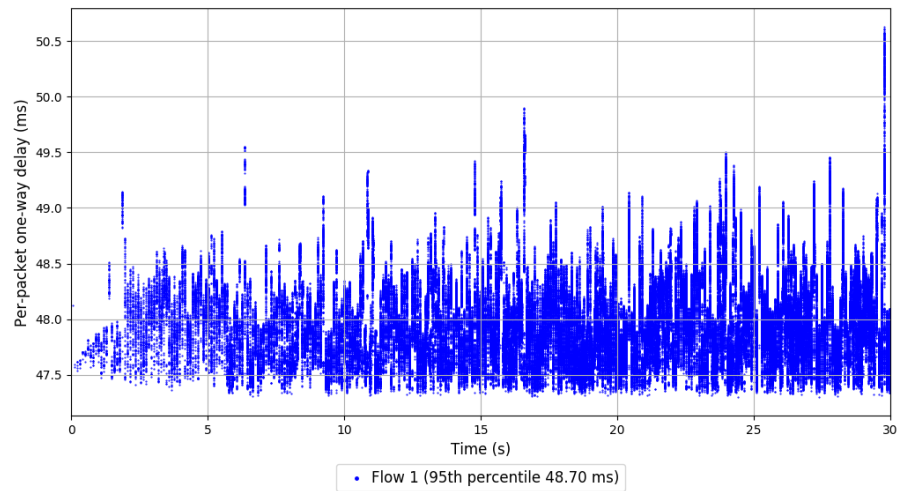
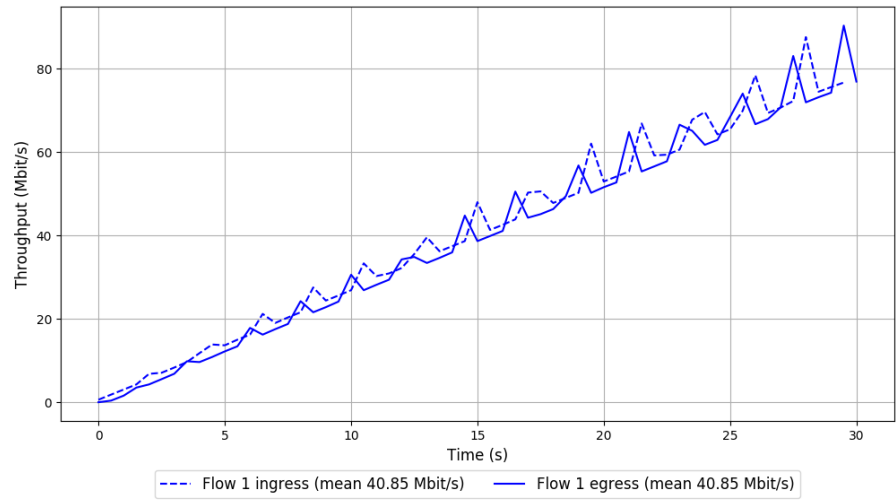


Run 3: Statistics of LEDBAT

Start at: 2019-02-06 00:45:45
End at: 2019-02-06 00:46:15
Local clock offset: 0.227 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-02-06 03:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 48.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 48.701 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

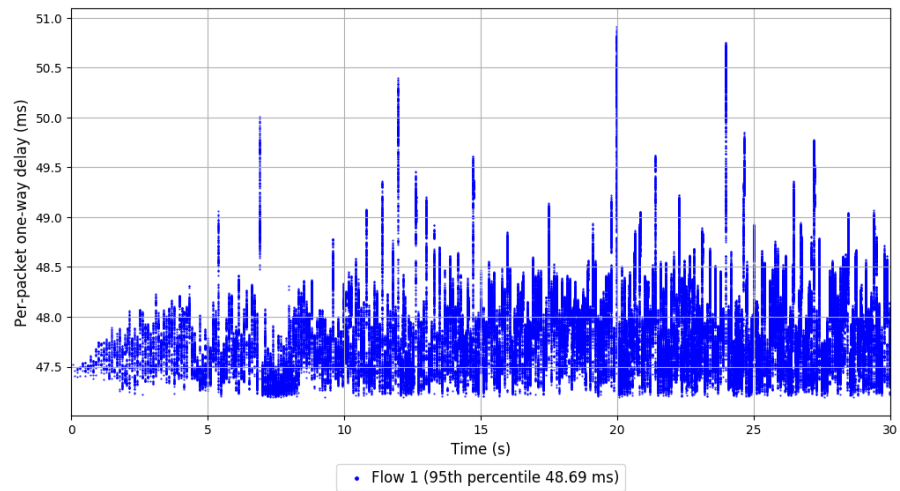
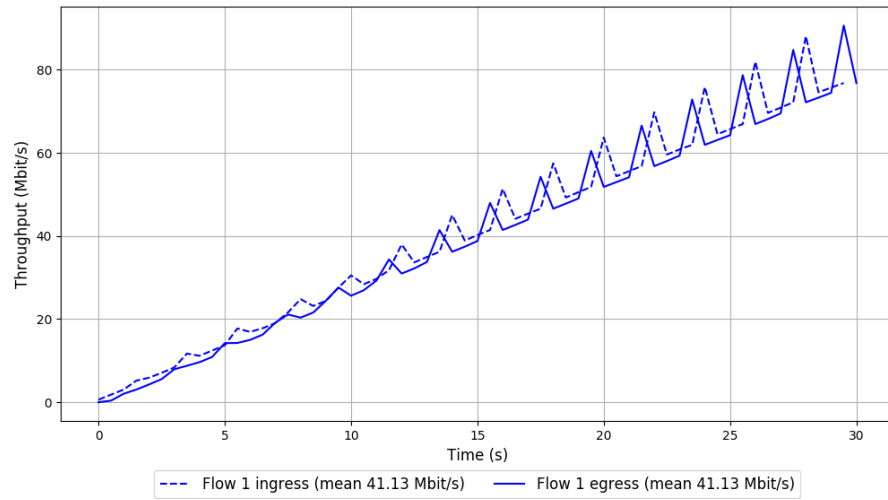


Run 4: Statistics of LEDBAT

Start at: 2019-02-06 01:16:03
End at: 2019-02-06 01:16:33
Local clock offset: 0.152 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-02-06 03:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 48.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.13 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: 2019-02-06 01:47:39

End at: 2019-02-06 01:48:09

Local clock offset: 0.006 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-02-06 03:53:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 48.870 ms

Loss rate: 0.00%

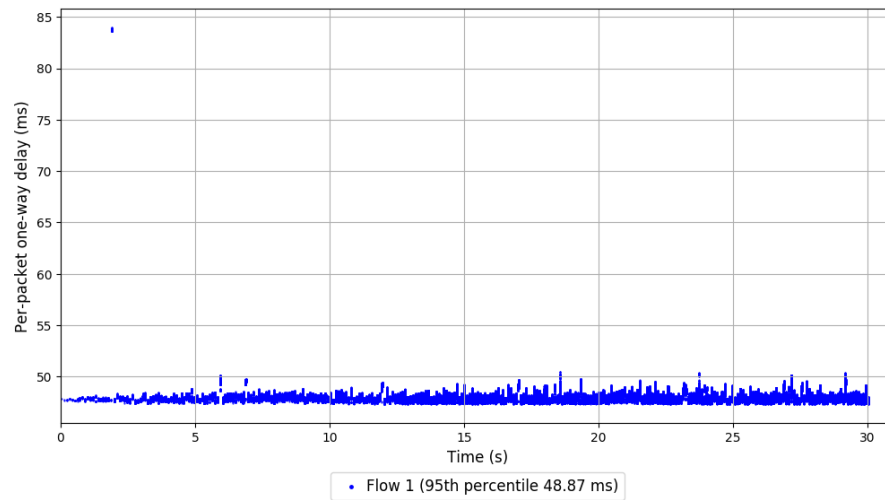
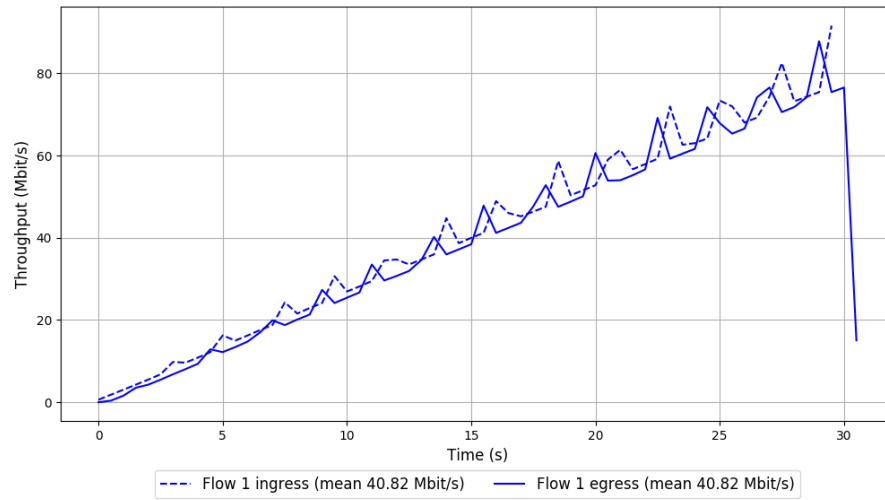
-- Flow 1:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 48.870 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

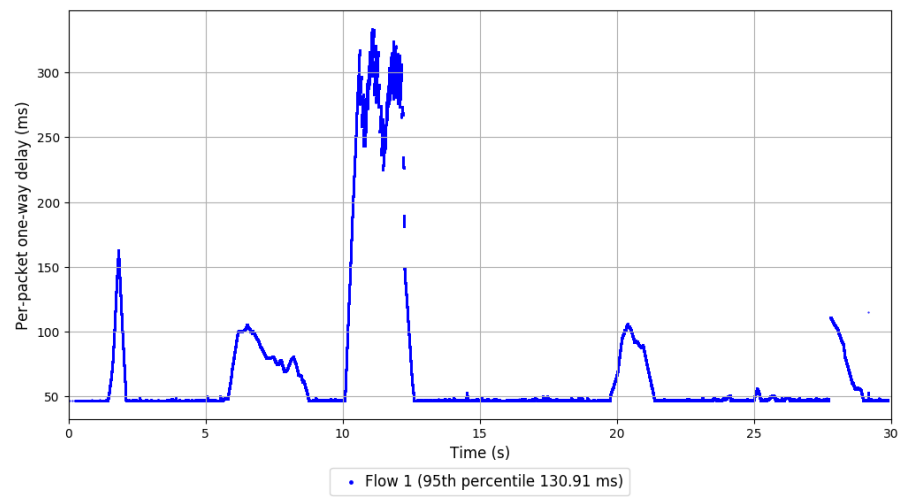
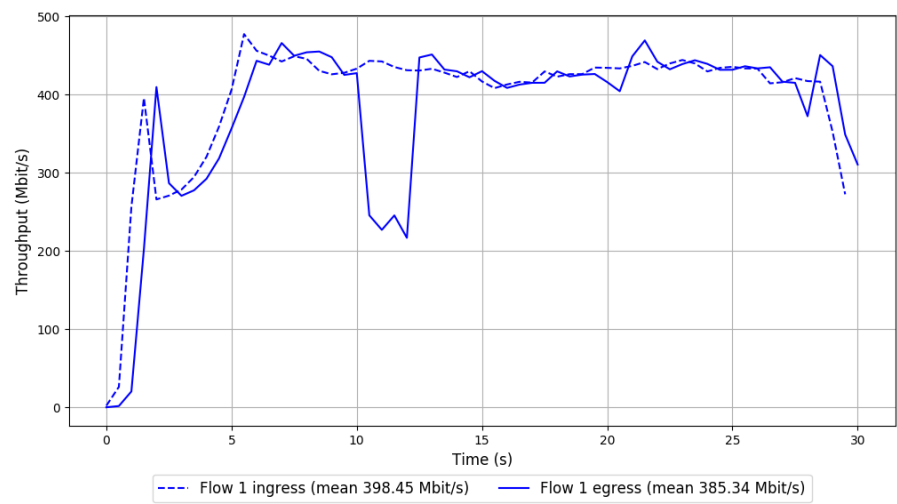


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-06 00:00:33
End at: 2019-02-06 00:01:03
Local clock offset: 0.1 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2019-02-06 04:00:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.34 Mbit/s
95th percentile per-packet one-way delay: 130.915 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 385.34 Mbit/s
95th percentile per-packet one-way delay: 130.915 ms
Loss rate: 3.29%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-06 00:30:45

End at: 2019-02-06 00:31:15

Local clock offset: 0.108 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-02-06 04:00:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.48 Mbit/s

95th percentile per-packet one-way delay: 189.769 ms

Loss rate: 4.15%

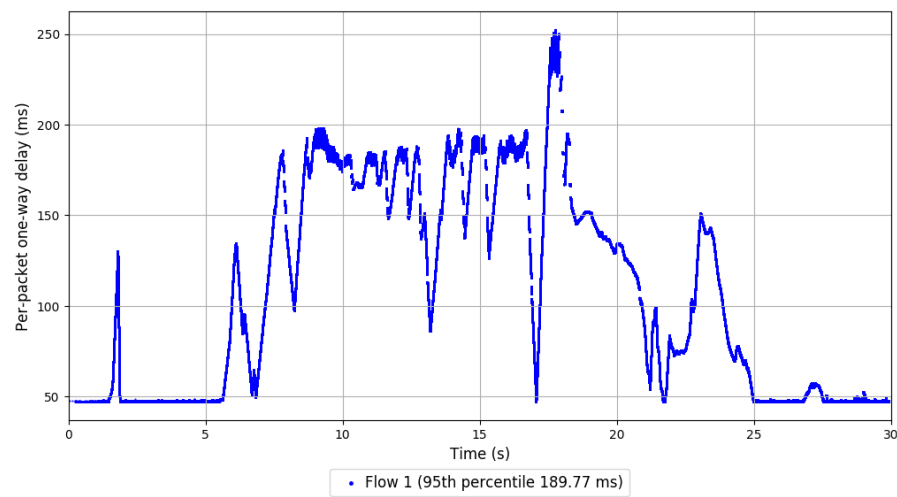
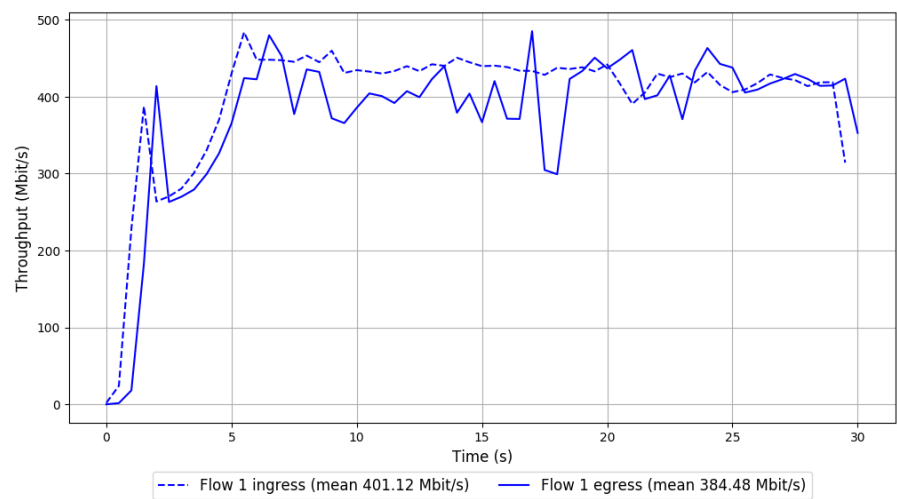
-- Flow 1:

Average throughput: 384.48 Mbit/s

95th percentile per-packet one-way delay: 189.769 ms

Loss rate: 4.15%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-06 01:00:54

End at: 2019-02-06 01:01:24

Local clock offset: -0.253 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2019-02-06 04:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.50 Mbit/s

95th percentile per-packet one-way delay: 110.834 ms

Loss rate: 0.73%

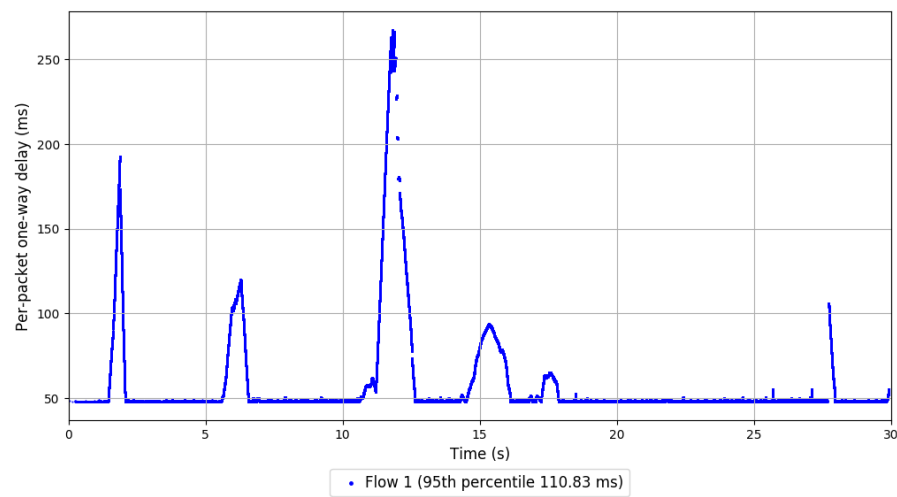
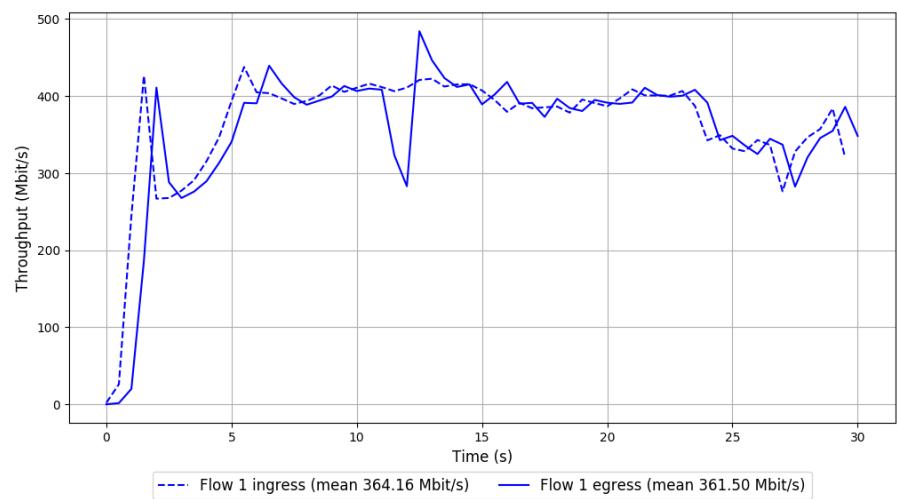
-- Flow 1:

Average throughput: 361.50 Mbit/s

95th percentile per-packet one-way delay: 110.834 ms

Loss rate: 0.73%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-06 01:31:49

End at: 2019-02-06 01:32:19

Local clock offset: 0.023 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-02-06 04:08:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.41 Mbit/s

95th percentile per-packet one-way delay: 169.626 ms

Loss rate: 2.67%

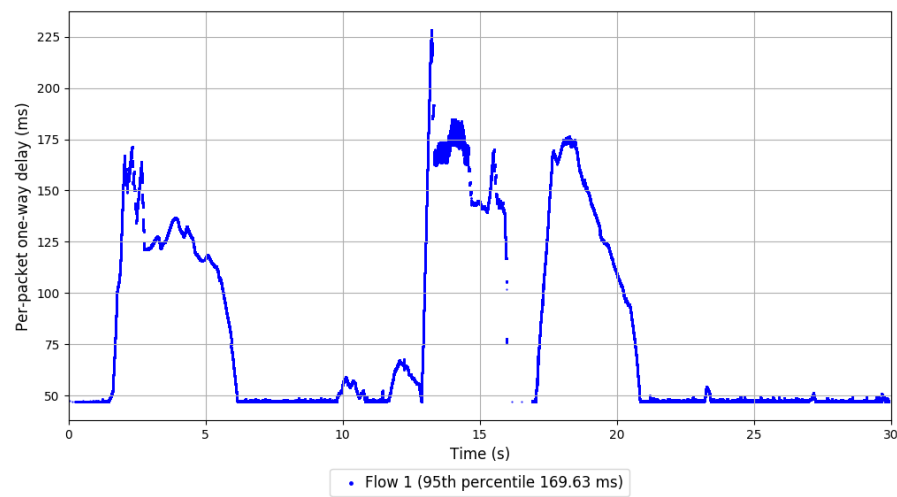
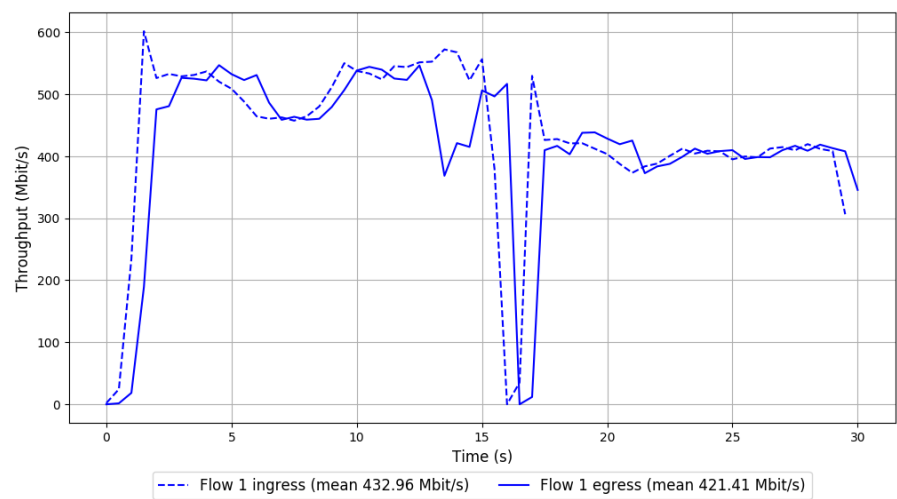
-- Flow 1:

Average throughput: 421.41 Mbit/s

95th percentile per-packet one-way delay: 169.626 ms

Loss rate: 2.67%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-06 02:03:03

End at: 2019-02-06 02:03:33

Local clock offset: 0.008 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-02-06 04:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.04 Mbit/s

95th percentile per-packet one-way delay: 180.160 ms

Loss rate: 7.53%

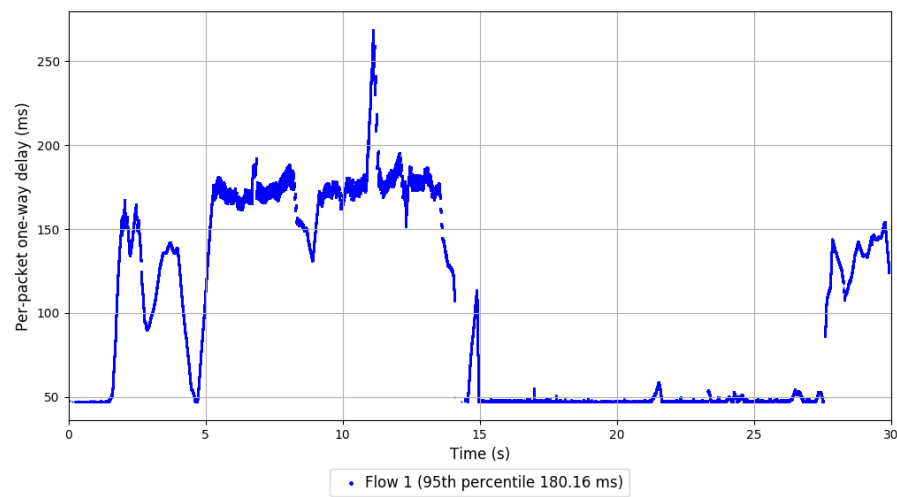
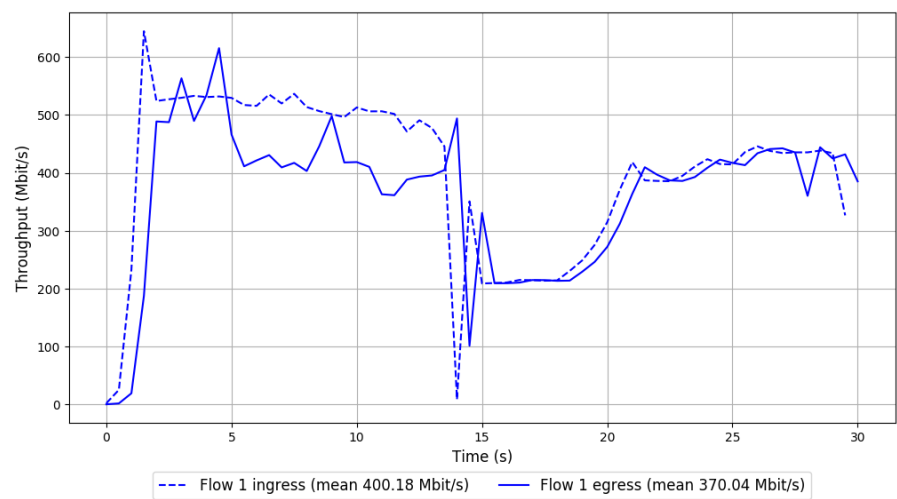
-- Flow 1:

Average throughput: 370.04 Mbit/s

95th percentile per-packet one-way delay: 180.160 ms

Loss rate: 7.53%

Run 5: Report of PCC-Allegro — Data Link

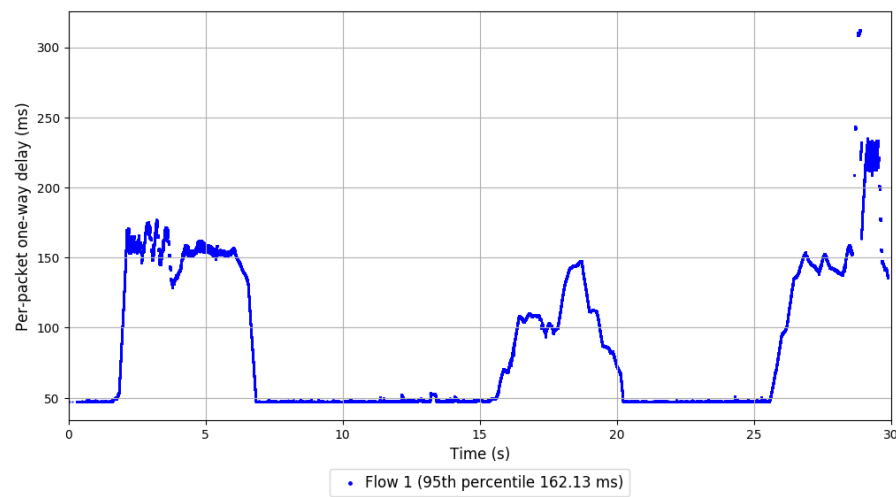
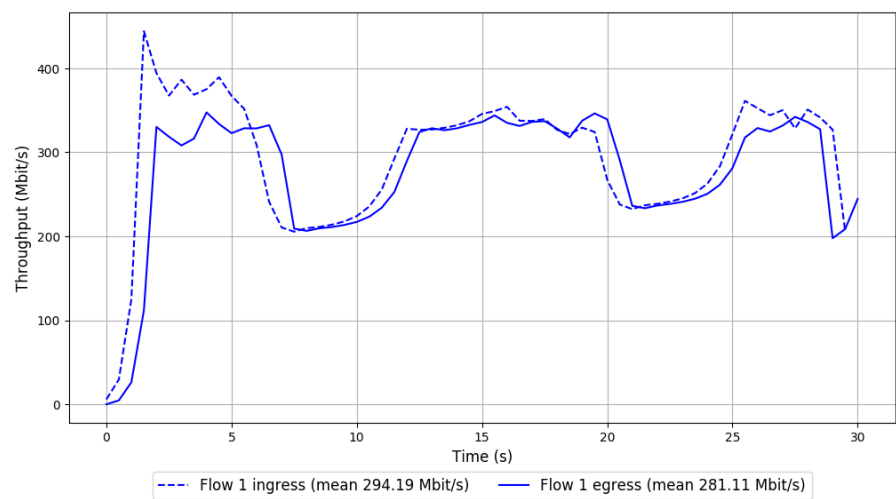


```
Run 1: Statistics of PCC-Expr

Start at: 2019-02-05 23:51:01
End at: 2019-02-05 23:51:31
Local clock offset: -0.248 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2019-02-06 04:08:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.11 Mbit/s
95th percentile per-packet one-way delay: 162.133 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 281.11 Mbit/s
95th percentile per-packet one-way delay: 162.133 ms
Loss rate: 4.44%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-06 00:21:33

End at: 2019-02-06 00:22:03

Local clock offset: 0.012 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-02-06 04:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.51 Mbit/s

95th percentile per-packet one-way delay: 127.721 ms

Loss rate: 0.56%

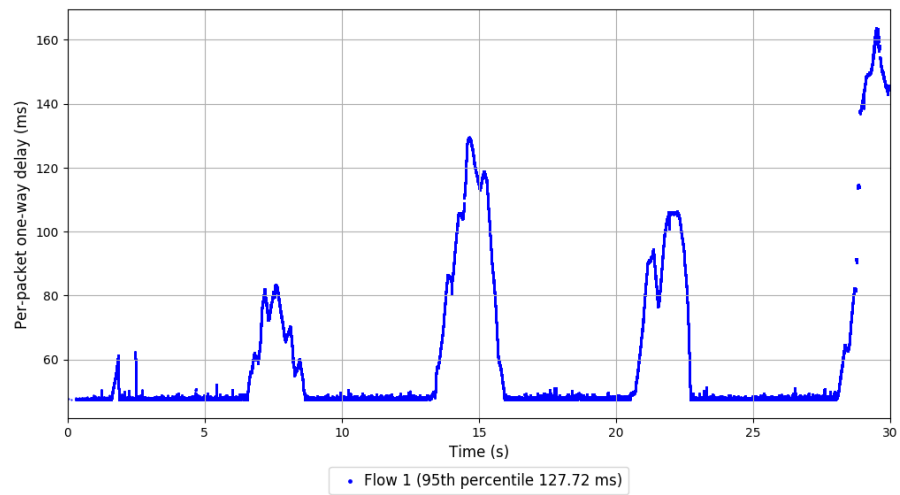
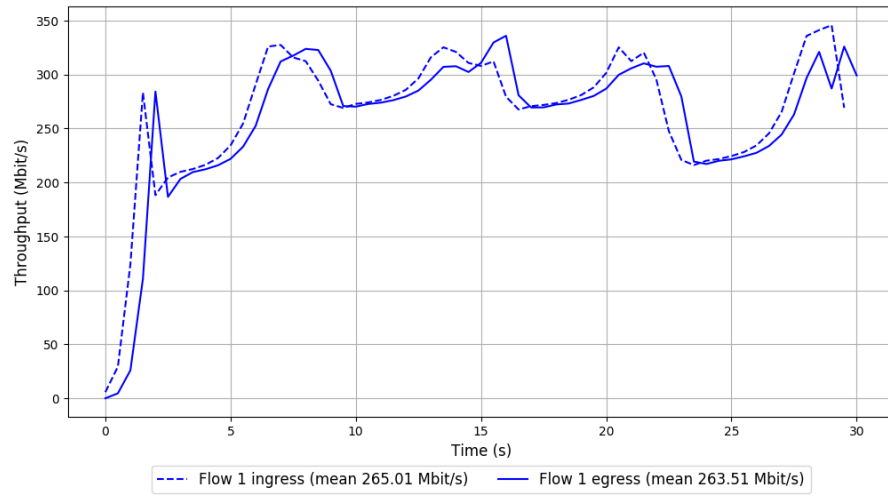
-- Flow 1:

Average throughput: 263.51 Mbit/s

95th percentile per-packet one-way delay: 127.721 ms

Loss rate: 0.56%

Run 2: Report of PCC-Expr — Data Link

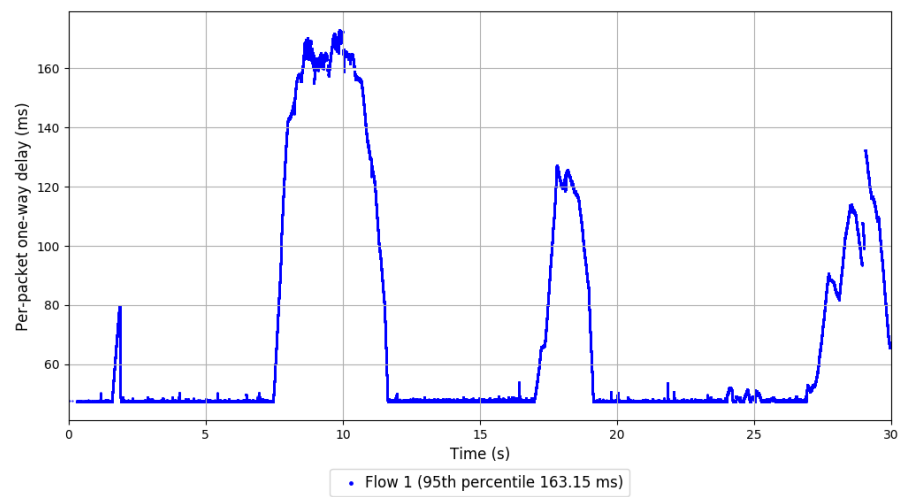
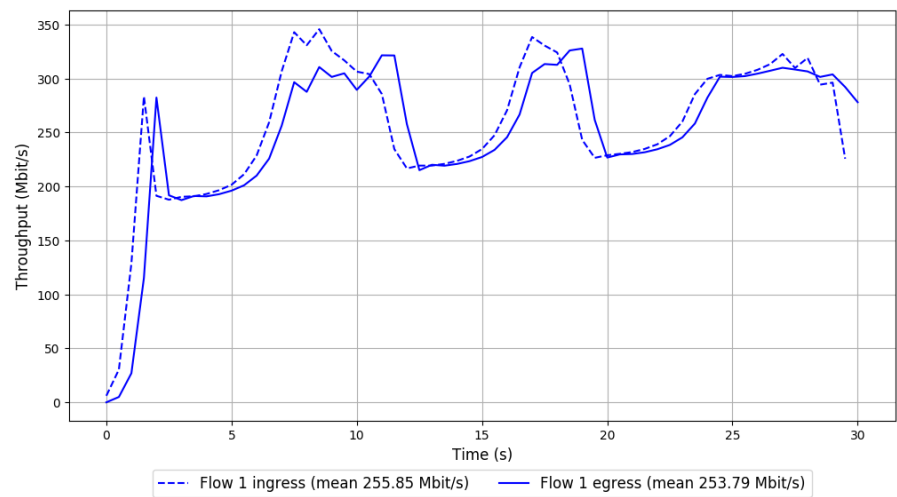


Run 3: Statistics of PCC-Expr

Start at: 2019-02-06 00:51:43
End at: 2019-02-06 00:52:13
Local clock offset: 0.105 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-02-06 04:08:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.79 Mbit/s
95th percentile per-packet one-way delay: 163.147 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 253.79 Mbit/s
95th percentile per-packet one-way delay: 163.147 ms
Loss rate: 0.80%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-06 01:22:12

End at: 2019-02-06 01:22:42

Local clock offset: 0.103 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-02-06 04:13:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.91 Mbit/s

95th percentile per-packet one-way delay: 122.259 ms

Loss rate: 0.03%

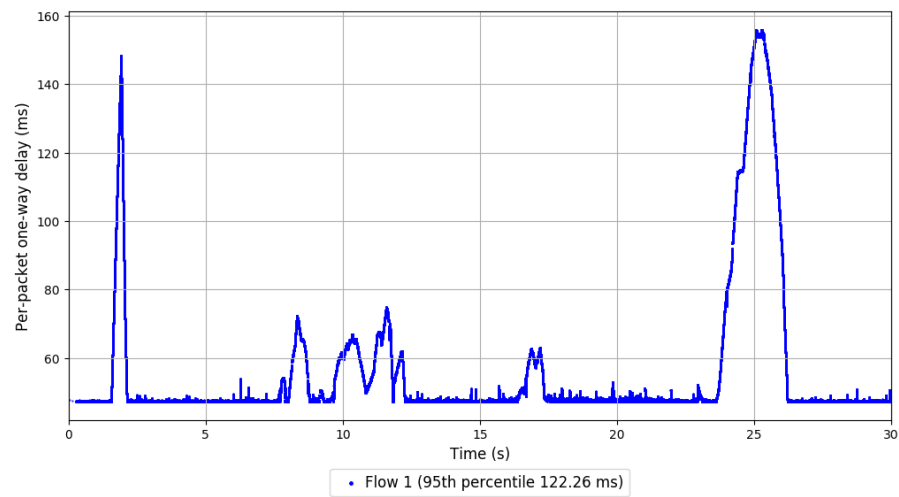
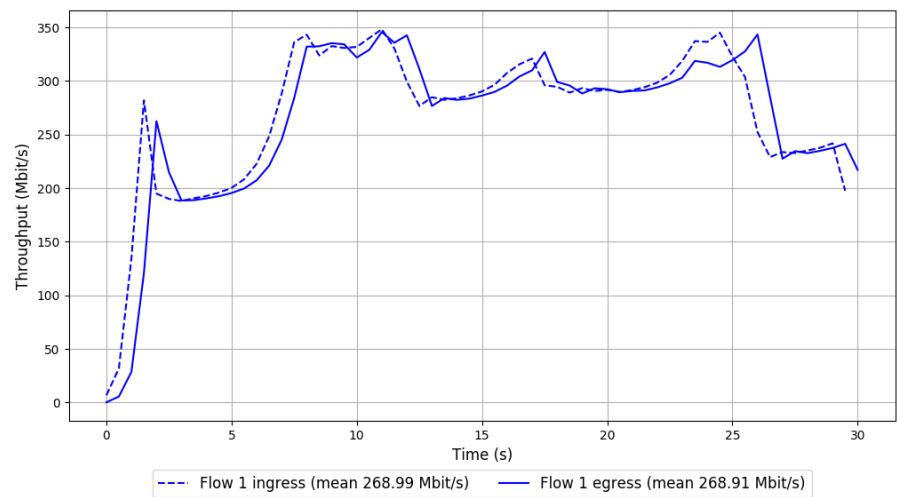
-- Flow 1:

Average throughput: 268.91 Mbit/s

95th percentile per-packet one-way delay: 122.259 ms

Loss rate: 0.03%

Run 4: Report of PCC-Expr — Data Link

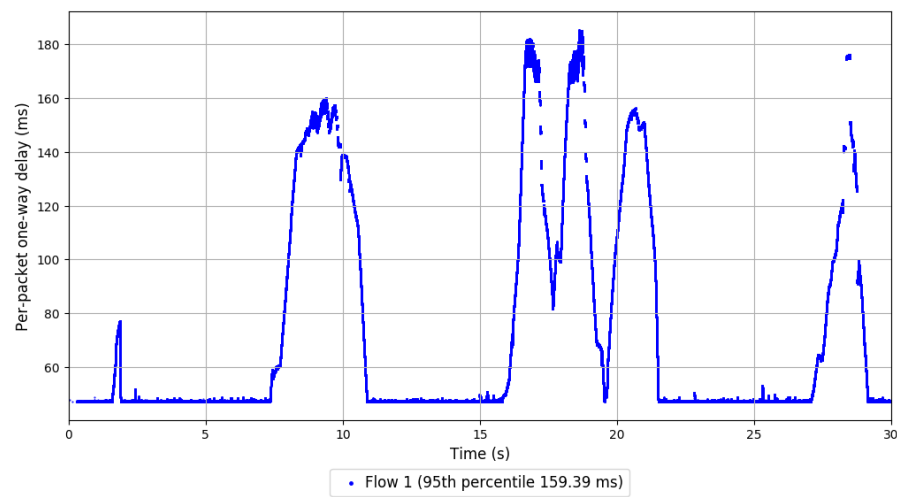
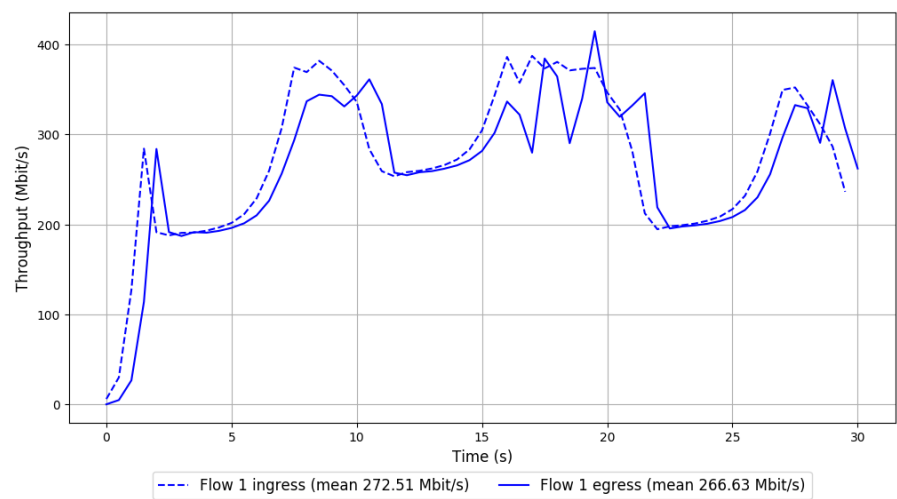


Run 5: Statistics of PCC-Expr

Start at: 2019-02-06 01:53:38
End at: 2019-02-06 01:54:08
Local clock offset: -0.017 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-06 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.63 Mbit/s
95th percentile per-packet one-way delay: 159.392 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 266.63 Mbit/s
95th percentile per-packet one-way delay: 159.392 ms
Loss rate: 2.16%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

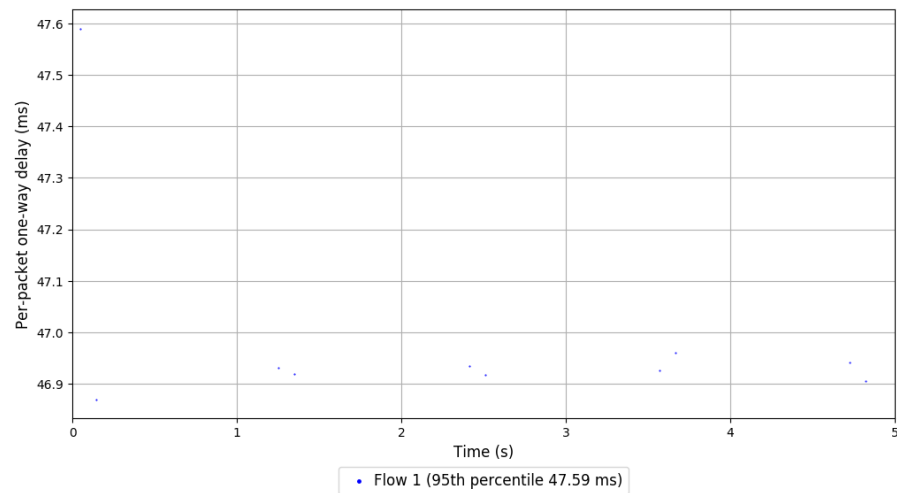
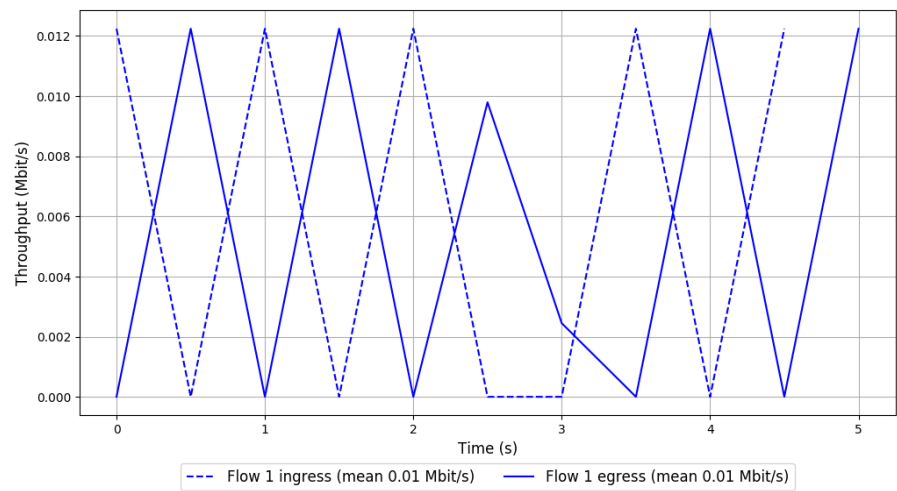
Start at: 2019-02-05 23:36:19

End at: 2019-02-05 23:36:49

Local clock offset: 0.156 ms

Remote clock offset: 0.023 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-06 00:07:15

End at: 2019-02-06 00:07:45

Local clock offset: -0.282 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.16 Mbit/s

95th percentile per-packet one-way delay: 46.436 ms

Loss rate: 0.00%

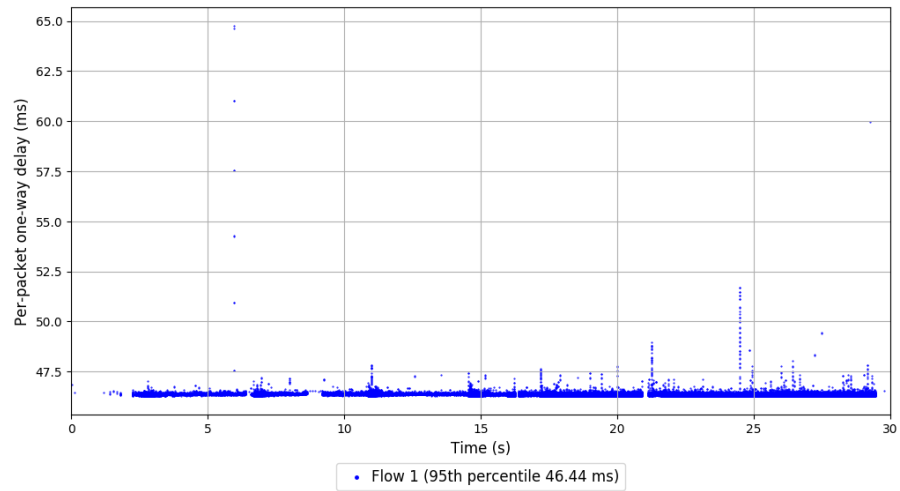
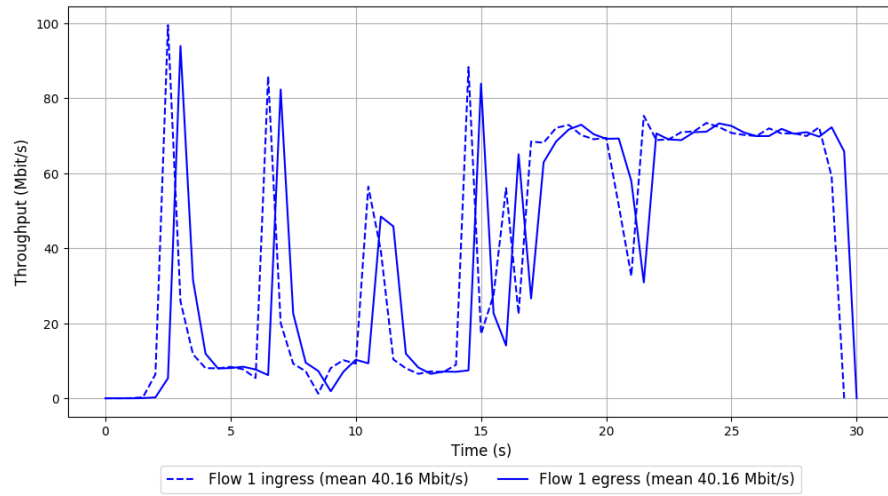
-- Flow 1:

Average throughput: 40.16 Mbit/s

95th percentile per-packet one-way delay: 46.436 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-06 00:37:23

End at: 2019-02-06 00:37:53

Local clock offset: 0.132 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.62 Mbit/s

95th percentile per-packet one-way delay: 47.517 ms

Loss rate: 0.00%

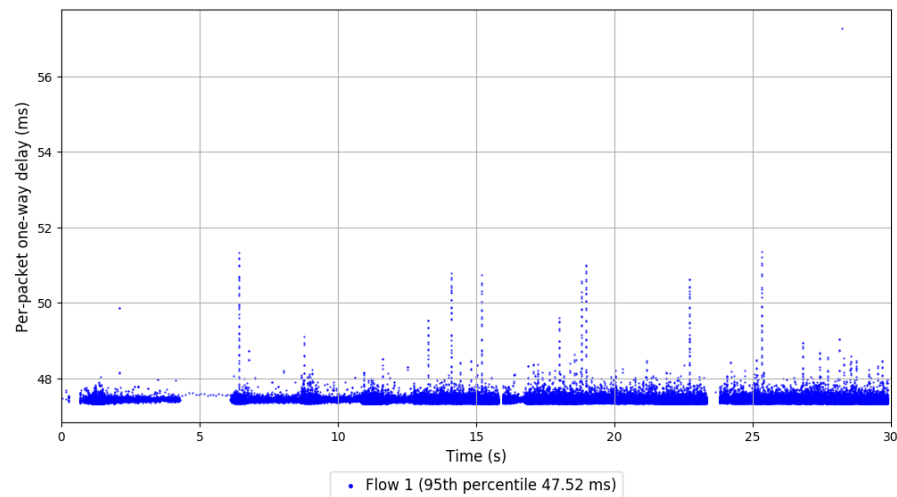
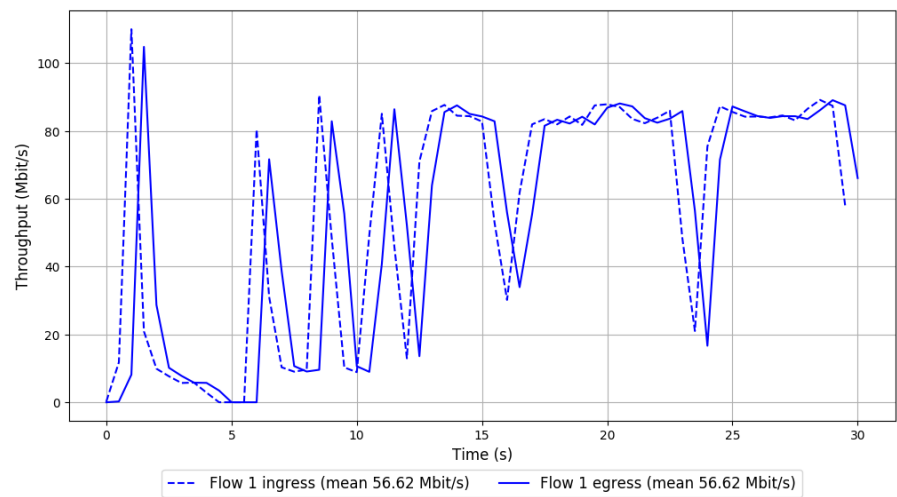
-- Flow 1:

Average throughput: 56.62 Mbit/s

95th percentile per-packet one-way delay: 47.517 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-06 01:07:28

End at: 2019-02-06 01:07:58

Local clock offset: 0.129 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 47.286 ms

Loss rate: 0.00%

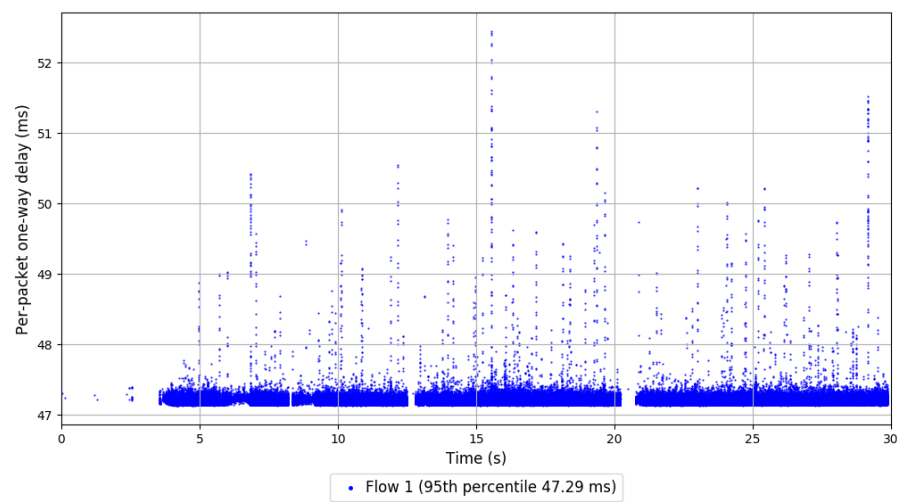
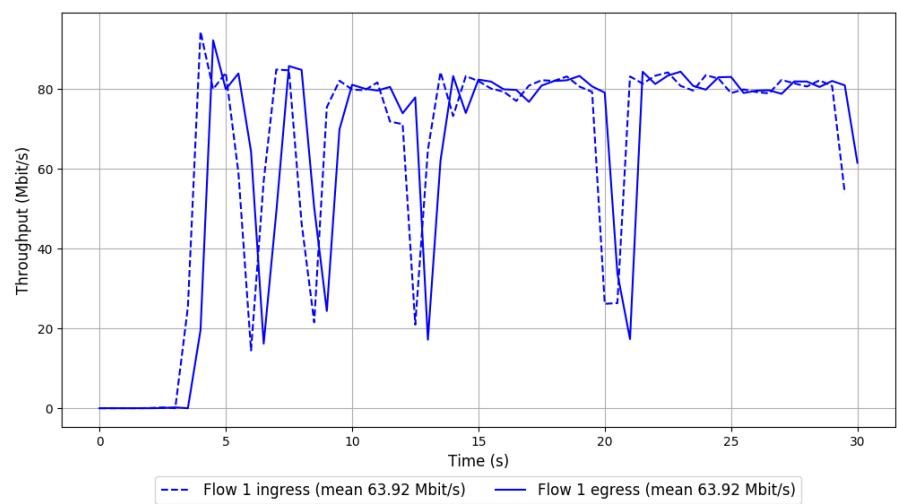
-- Flow 1:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 47.286 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-06 01:38:44

End at: 2019-02-06 01:39:14

Local clock offset: 0.207 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 47.182 ms

Loss rate: 0.00%

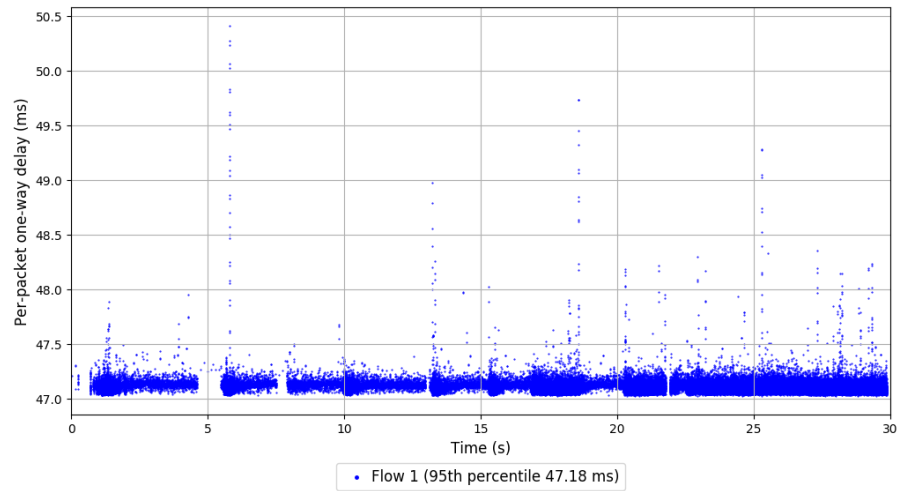
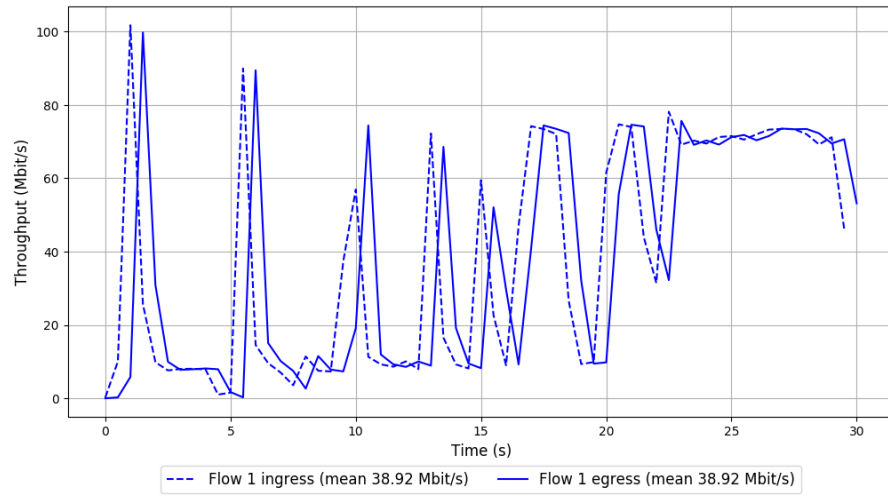
-- Flow 1:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 47.182 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

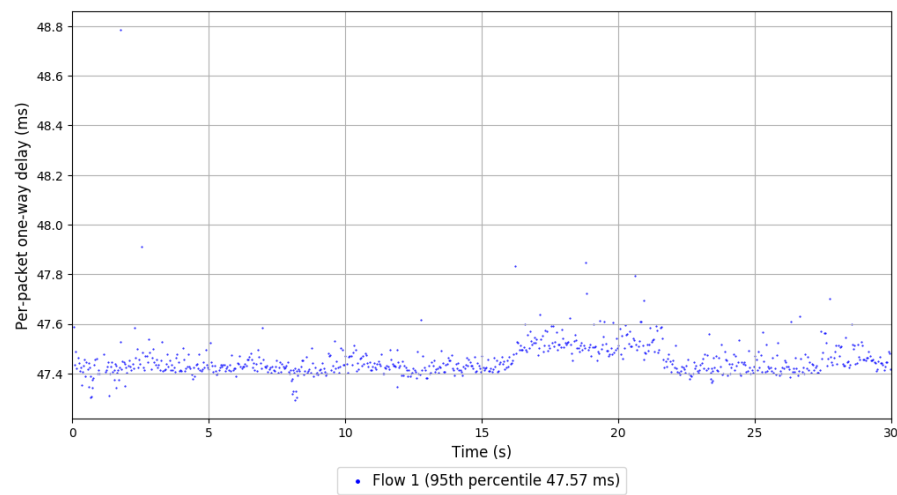
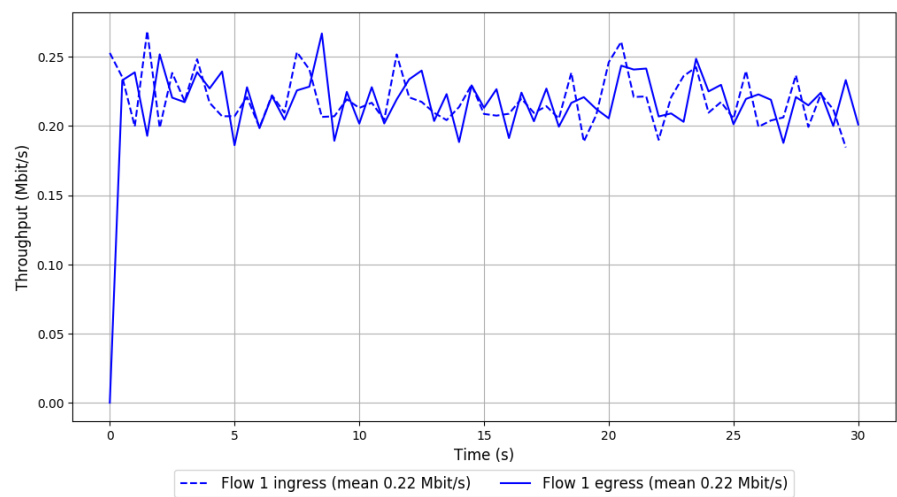


```
Run 1: Statistics of SCReAM

Start at: 2019-02-05 23:35:12
End at: 2019-02-05 23:35:42
Local clock offset: -0.178 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2019-02-06 04:13:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.569 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-02-06 00:06:08

End at: 2019-02-06 00:06:38

Local clock offset: -0.294 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.528 ms

Loss rate: 0.00%

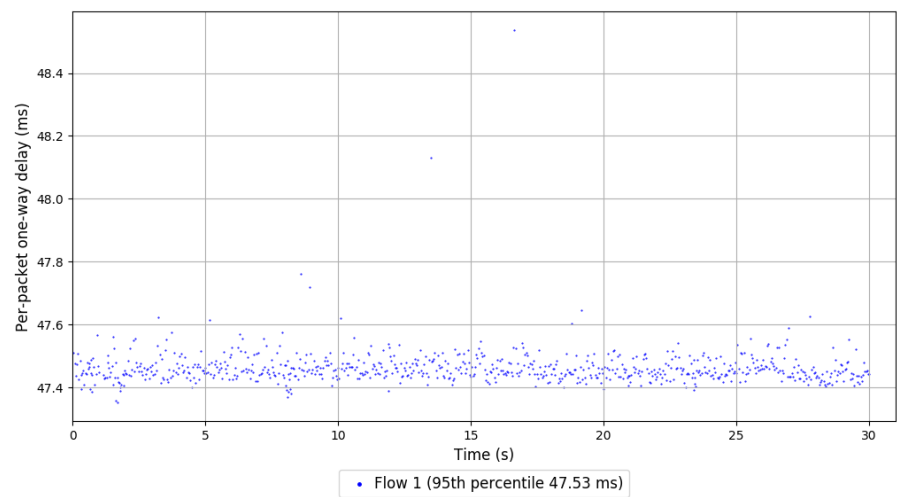
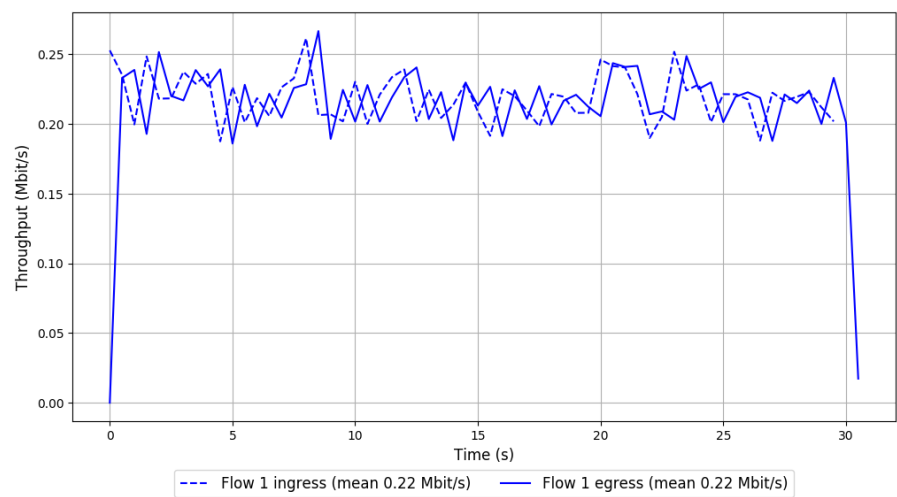
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.528 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

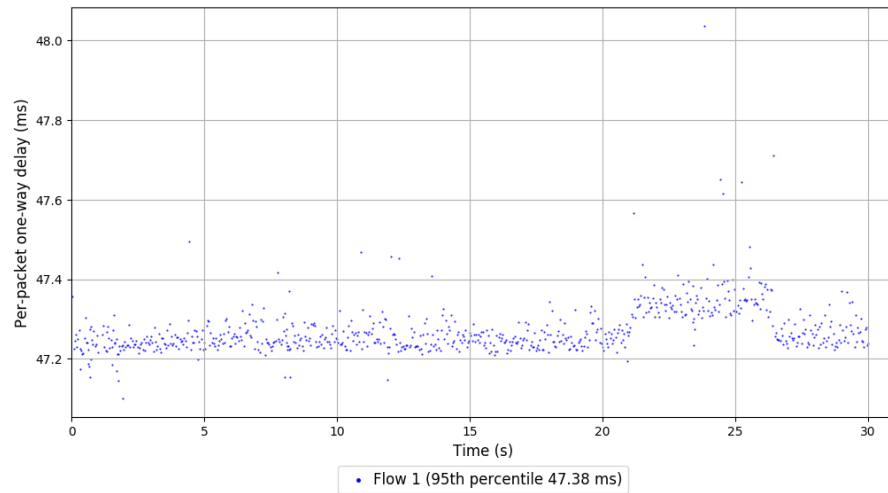
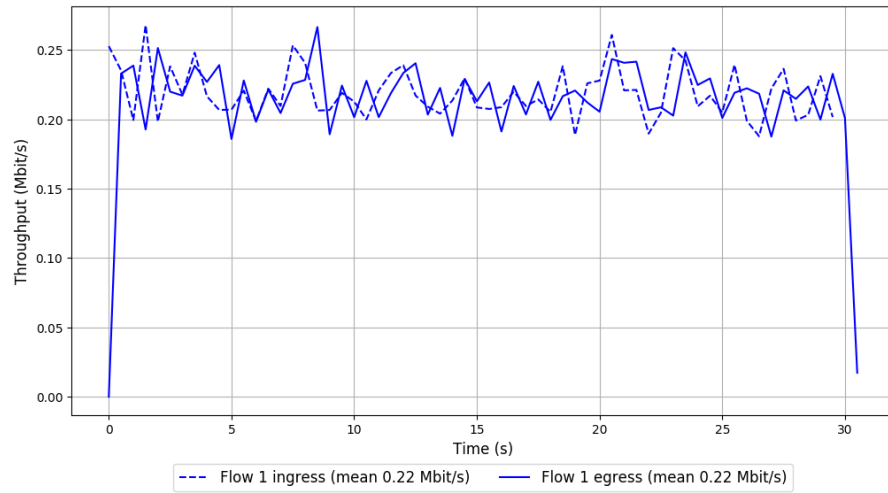


Run 3: Statistics of SCReAM

Start at: 2019-02-06 00:36:16
End at: 2019-02-06 00:36:46
Local clock offset: 0.156 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-02-06 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.375 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-06 01:06:21

End at: 2019-02-06 01:06:51

Local clock offset: 0.122 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.811 ms

Loss rate: 0.00%

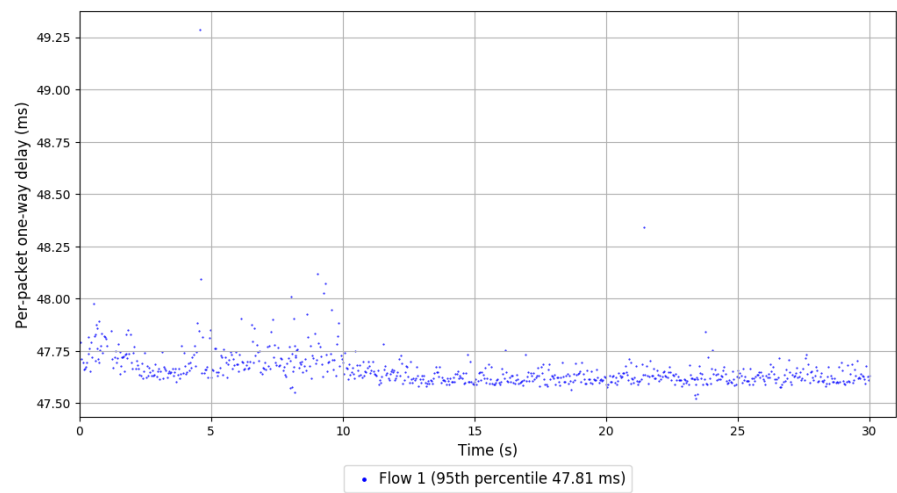
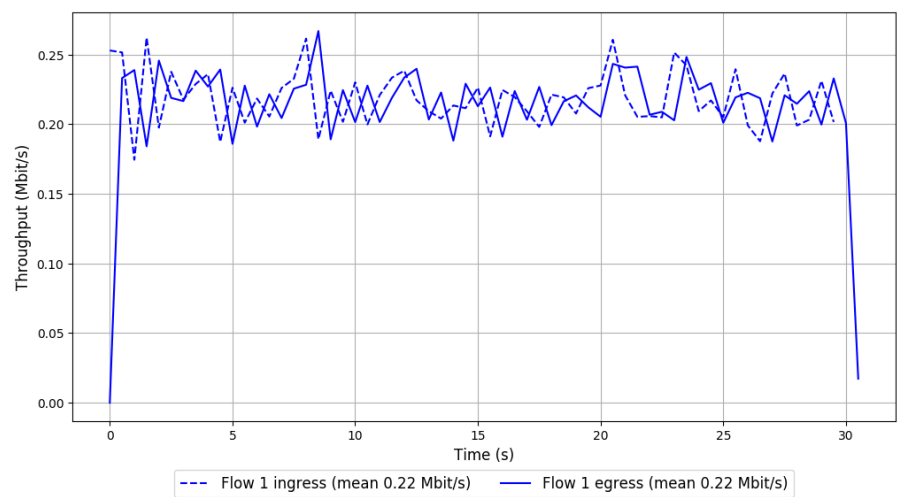
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.811 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

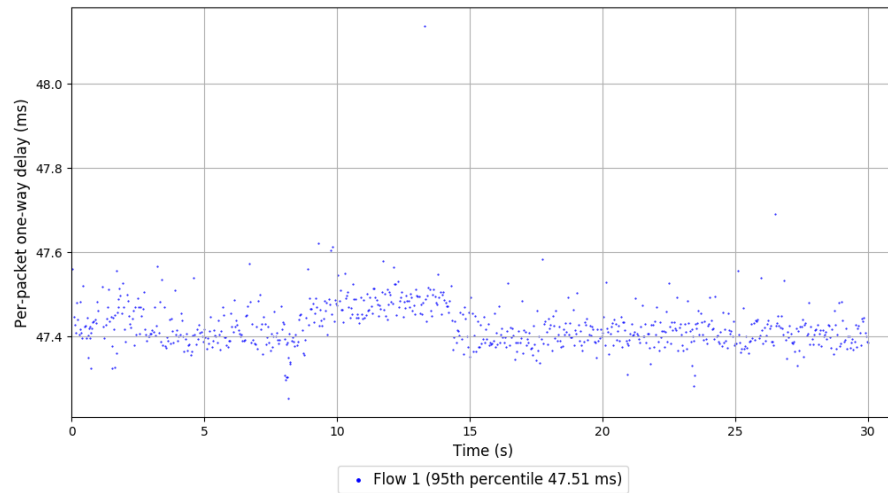
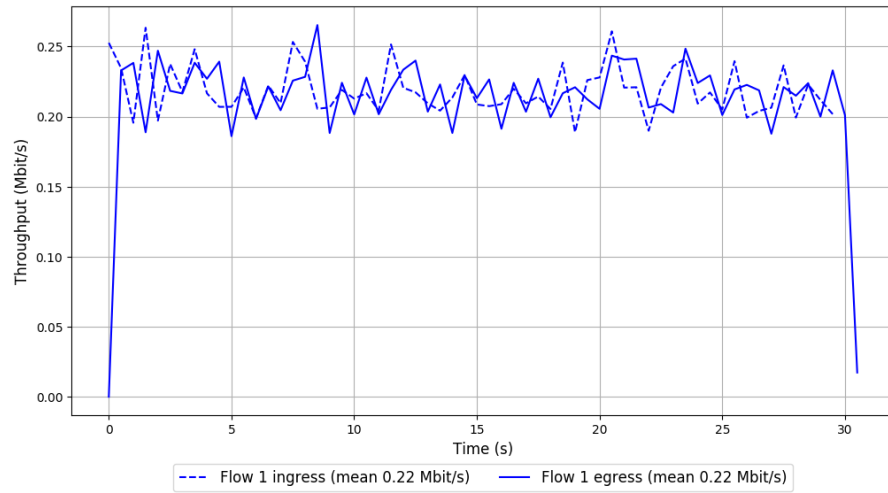


Run 5: Statistics of SCReAM

Start at: 2019-02-06 01:37:37
End at: 2019-02-06 01:38:07
Local clock offset: -0.038 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-02-06 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.513 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-05 23:31:15

End at: 2019-02-05 23:31:45

Local clock offset: -0.174 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 48.127 ms

Loss rate: 0.00%

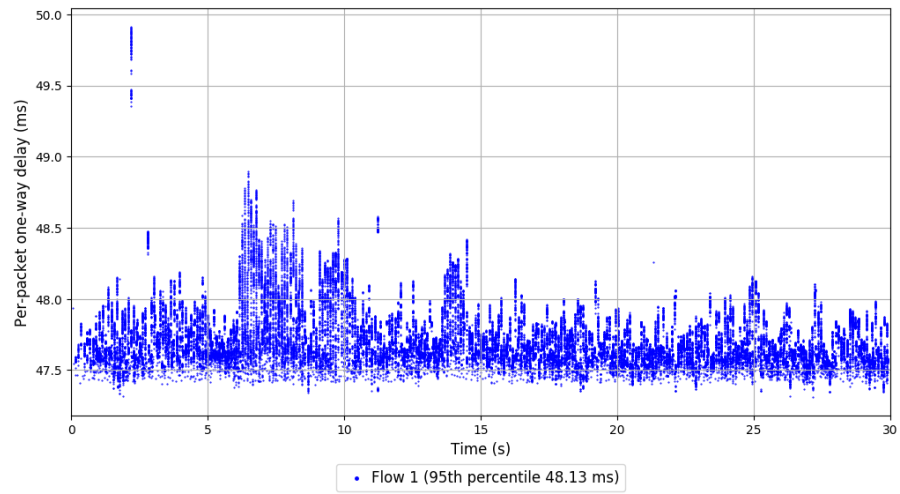
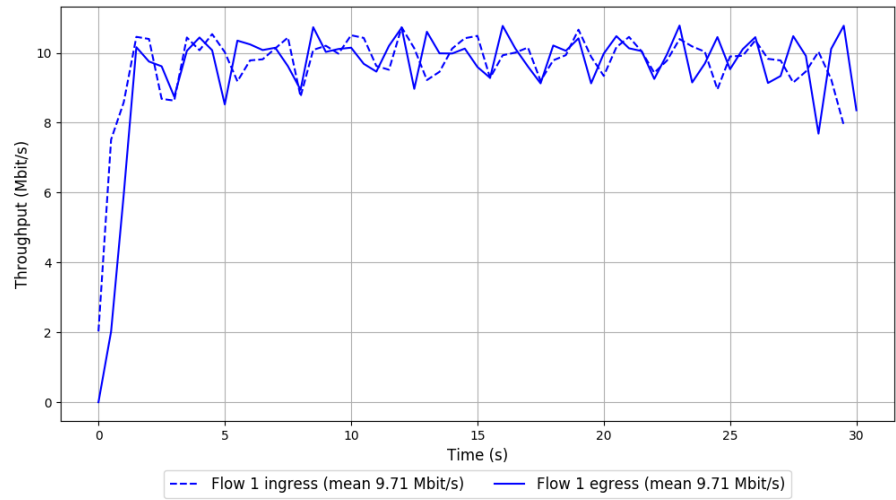
-- Flow 1:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 48.127 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-02-06 00:02:05

End at: 2019-02-06 00:02:35

Local clock offset: -0.257 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2019-02-06 04:13:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 47.809 ms

Loss rate: 0.00%

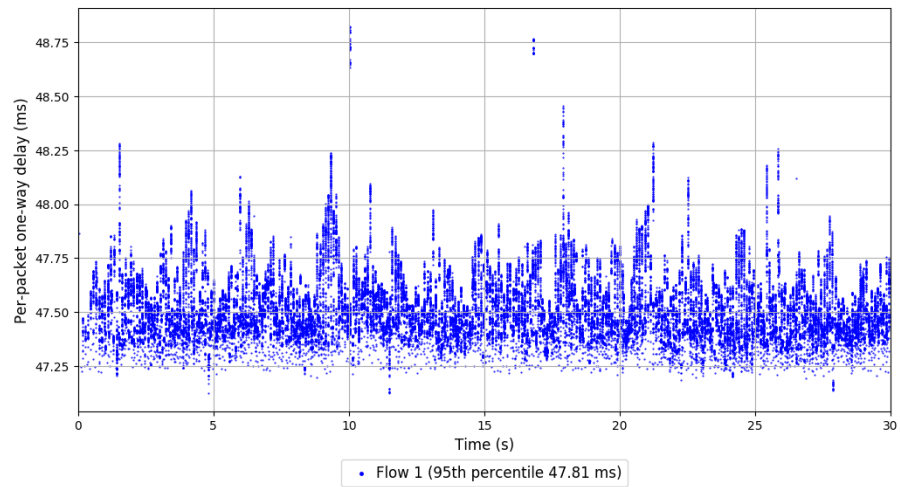
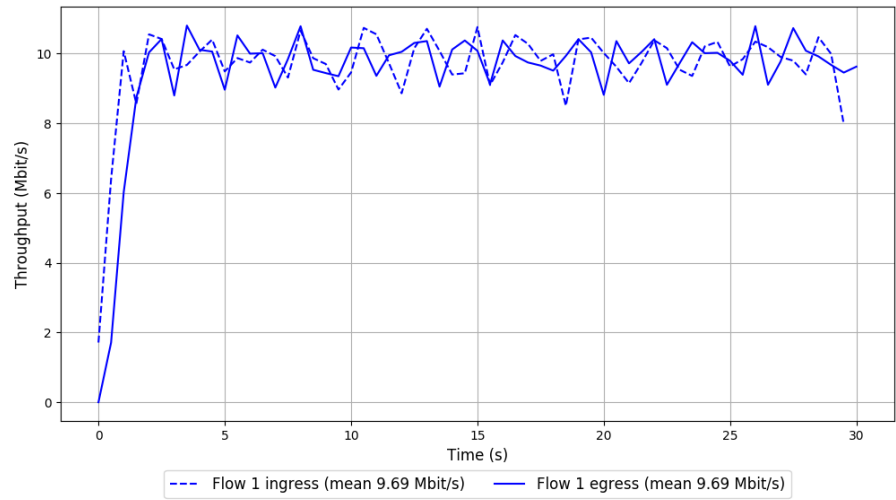
-- Flow 1:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 47.809 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

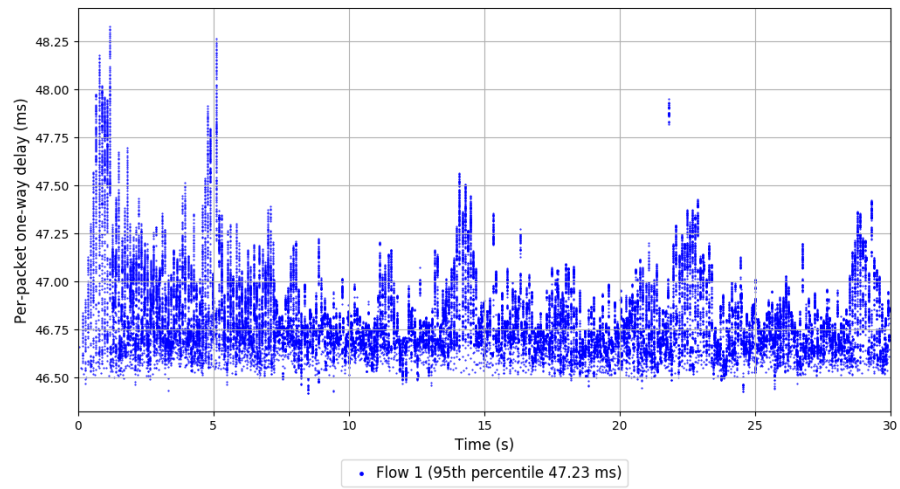
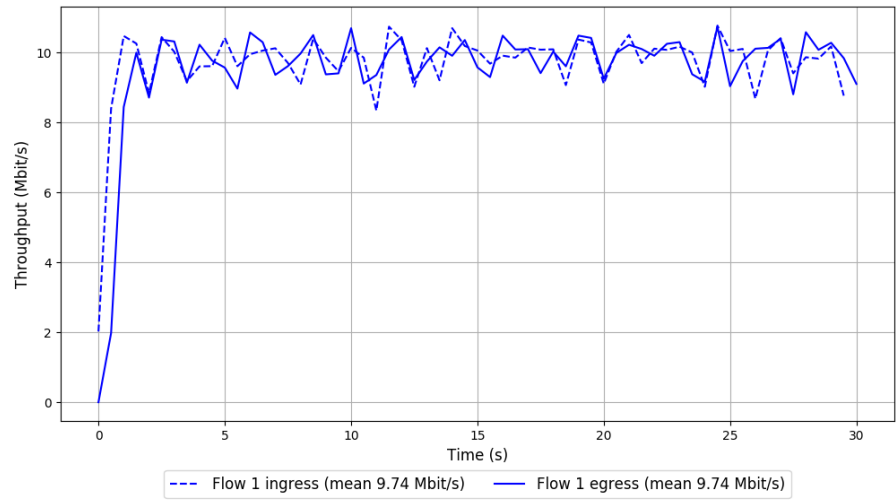


Run 3: Statistics of Sprout

Start at: 2019-02-06 00:32:17
End at: 2019-02-06 00:32:47
Local clock offset: 0.085 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-06 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 47.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 47.235 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

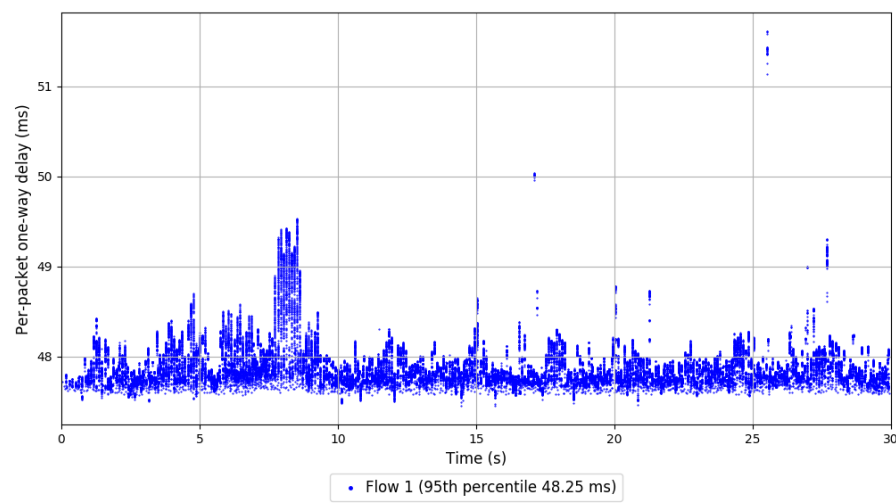
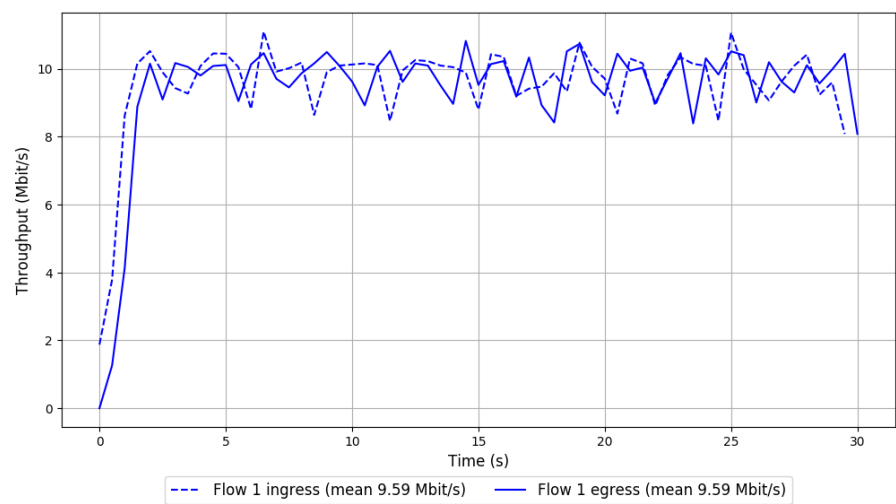


Run 4: Statistics of Sprout

Start at: 2019-02-06 01:02:24
End at: 2019-02-06 01:02:54
Local clock offset: -0.249 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-02-06 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 48.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 48.254 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

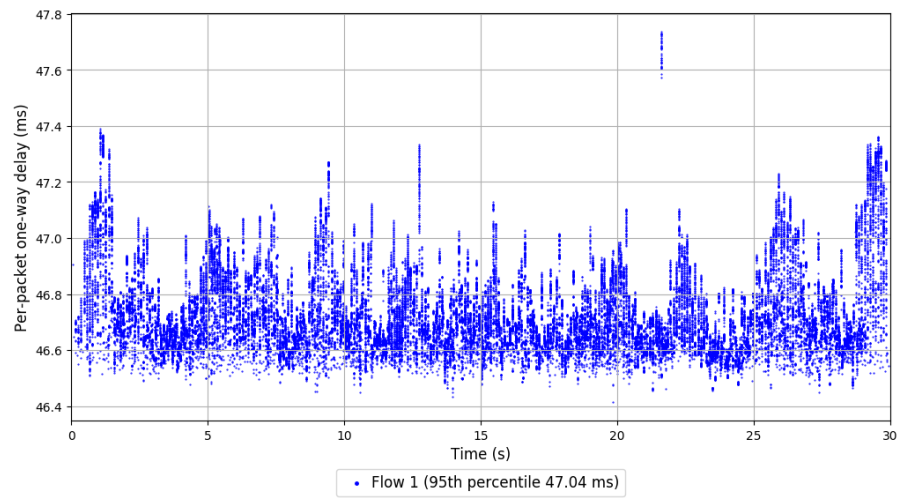
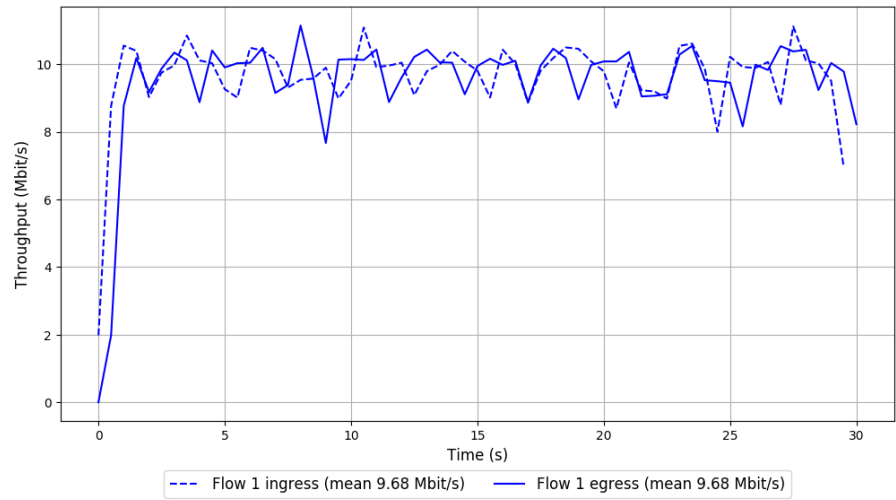


Run 5: Statistics of Sprout

Start at: 2019-02-06 01:33:29
End at: 2019-02-06 01:33:59
Local clock offset: 0.015 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-02-06 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 47.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 47.039 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-05 23:55:57

End at: 2019-02-05 23:56:27

Local clock offset: -0.313 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2019-02-06 04:18:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.00 Mbit/s

95th percentile per-packet one-way delay: 47.728 ms

Loss rate: 0.00%

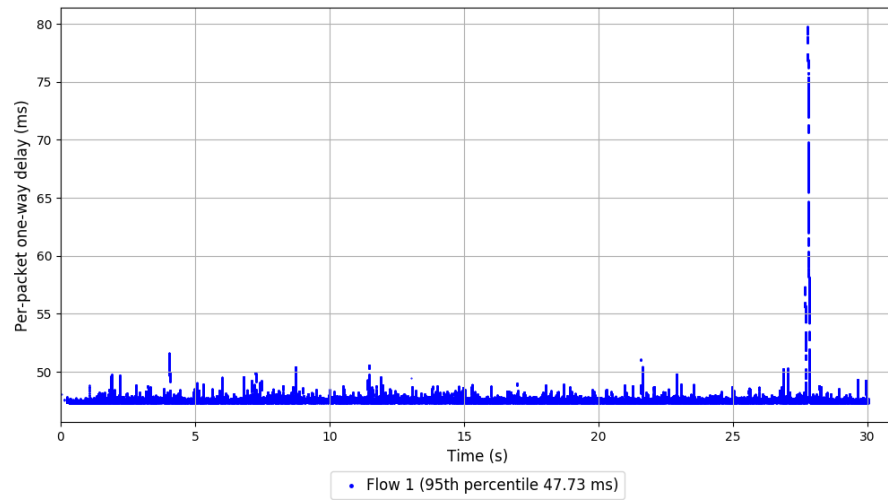
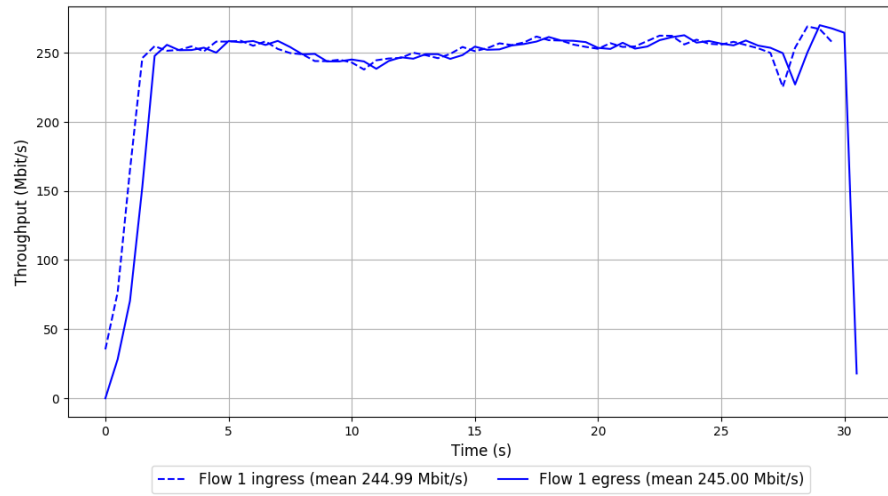
-- Flow 1:

Average throughput: 245.00 Mbit/s

95th percentile per-packet one-way delay: 47.728 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-06 00:26:12

End at: 2019-02-06 00:26:42

Local clock offset: 0.056 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-06 04:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.18 Mbit/s

95th percentile per-packet one-way delay: 47.584 ms

Loss rate: 0.00%

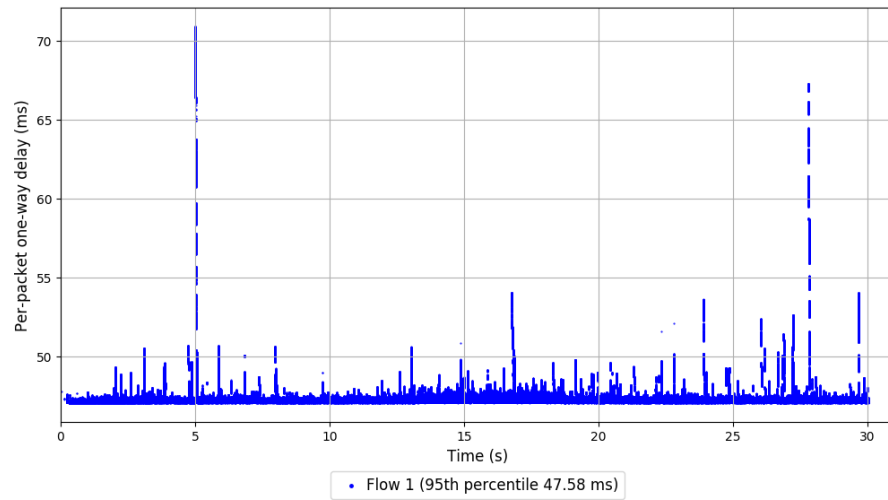
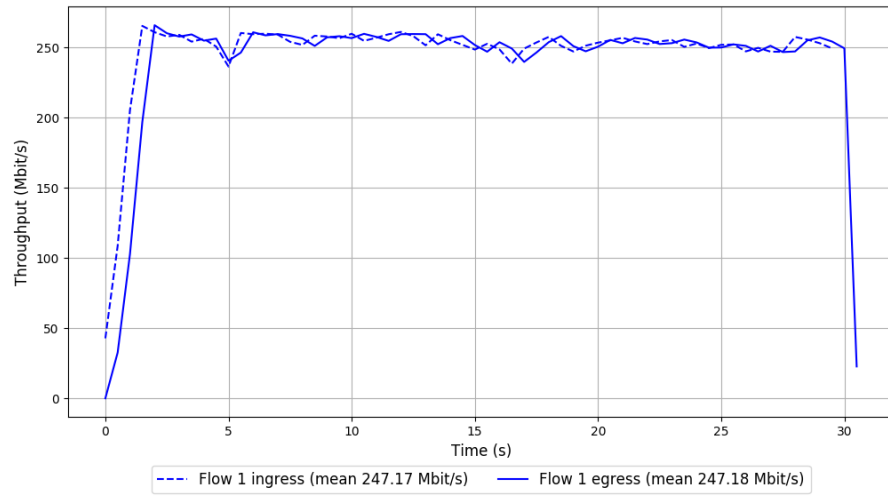
-- Flow 1:

Average throughput: 247.18 Mbit/s

95th percentile per-packet one-way delay: 47.584 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-06 00:56:27

End at: 2019-02-06 00:56:57

Local clock offset: 0.1 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2019-02-06 04:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.95 Mbit/s

95th percentile per-packet one-way delay: 47.597 ms

Loss rate: 0.00%

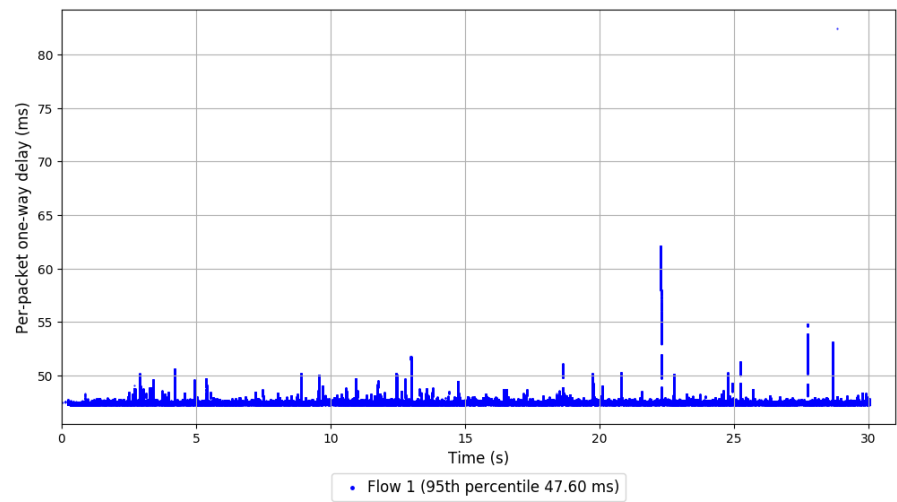
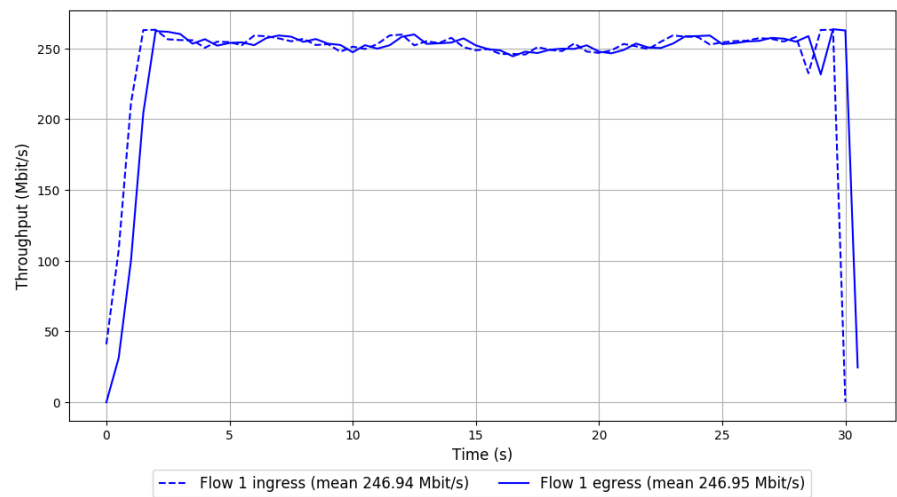
-- Flow 1:

Average throughput: 246.95 Mbit/s

95th percentile per-packet one-way delay: 47.597 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-06 01:27:09

End at: 2019-02-06 01:27:39

Local clock offset: 0.101 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-02-06 04:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.79 Mbit/s

95th percentile per-packet one-way delay: 46.783 ms

Loss rate: 0.00%

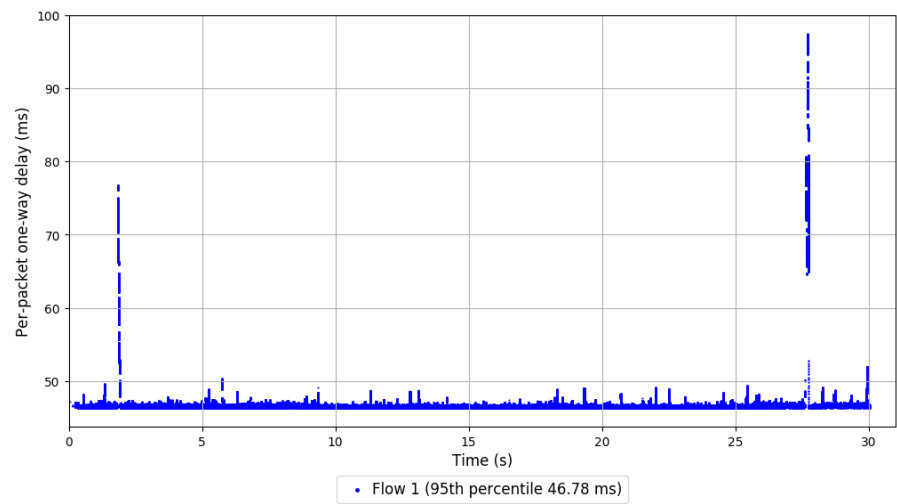
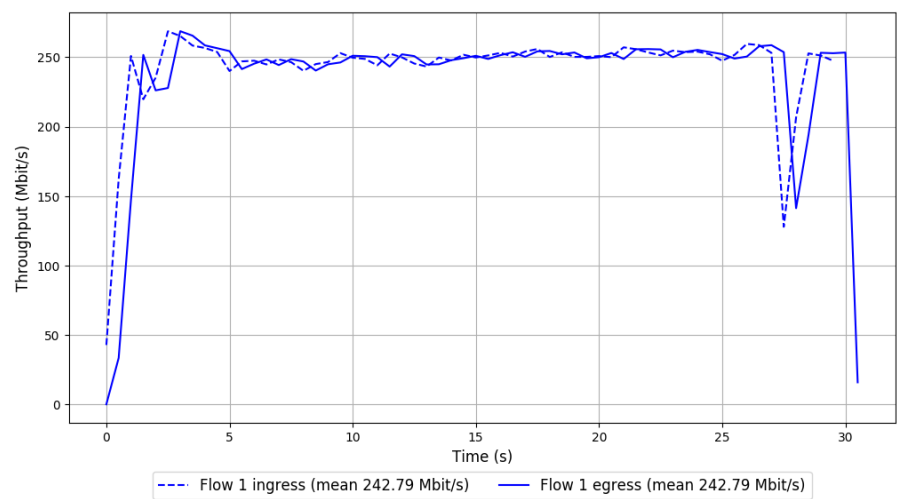
-- Flow 1:

Average throughput: 242.79 Mbit/s

95th percentile per-packet one-way delay: 46.783 ms

Loss rate: 0.00%

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

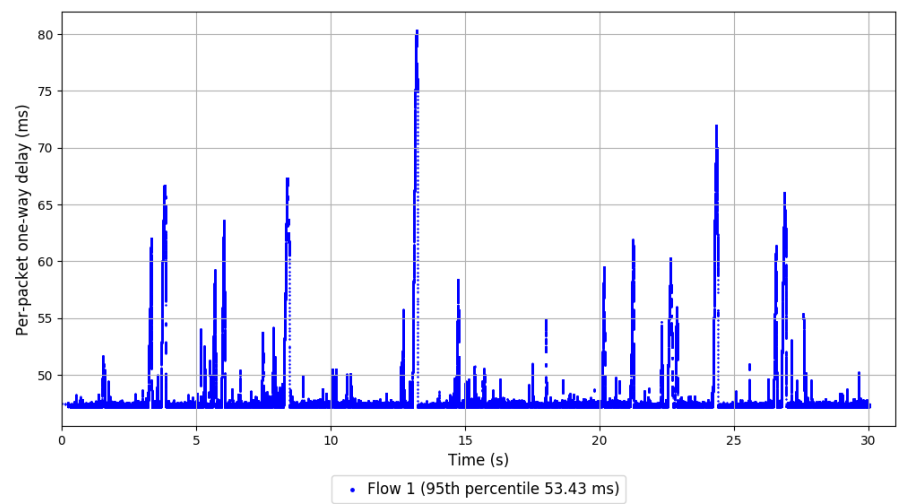
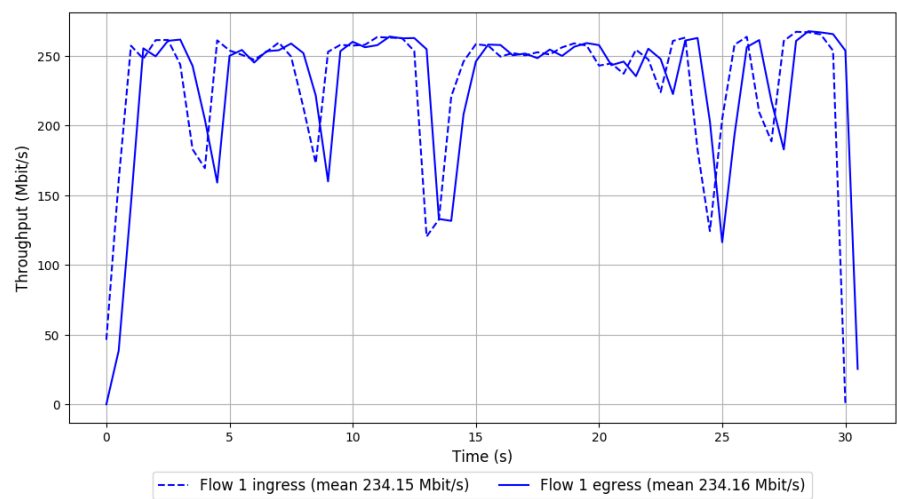


Run 5: Statistics of TaoVA-100x

Start at: 2019-02-06 01:58:27
End at: 2019-02-06 01:58:58
Local clock offset: 0.014 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-02-06 04:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.16 Mbit/s
95th percentile per-packet one-way delay: 53.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.16 Mbit/s
95th percentile per-packet one-way delay: 53.428 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-05 23:57:26

End at: 2019-02-05 23:57:56

Local clock offset: -0.302 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-02-06 04:20:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.34 Mbit/s

95th percentile per-packet one-way delay: 67.899 ms

Loss rate: 0.09%

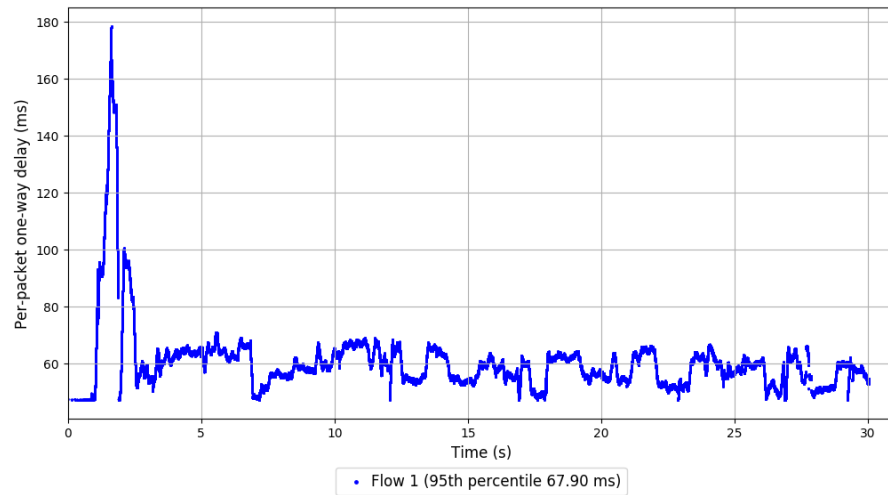
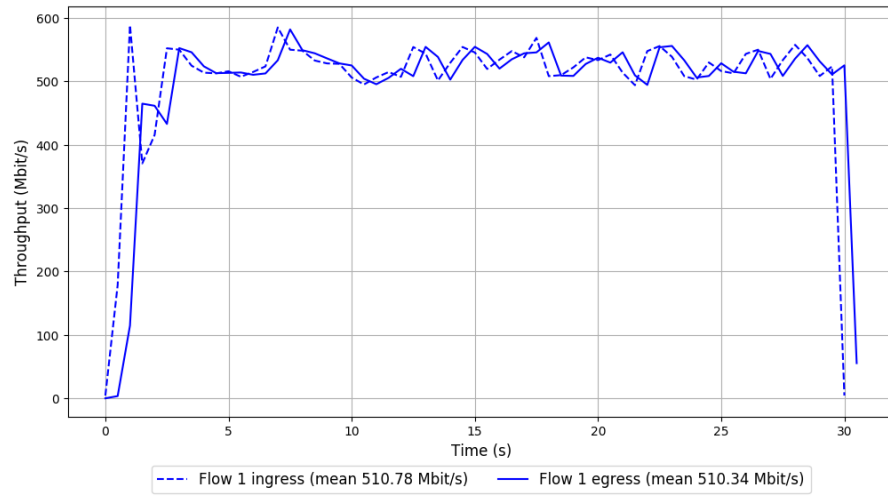
-- Flow 1:

Average throughput: 510.34 Mbit/s

95th percentile per-packet one-way delay: 67.899 ms

Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link

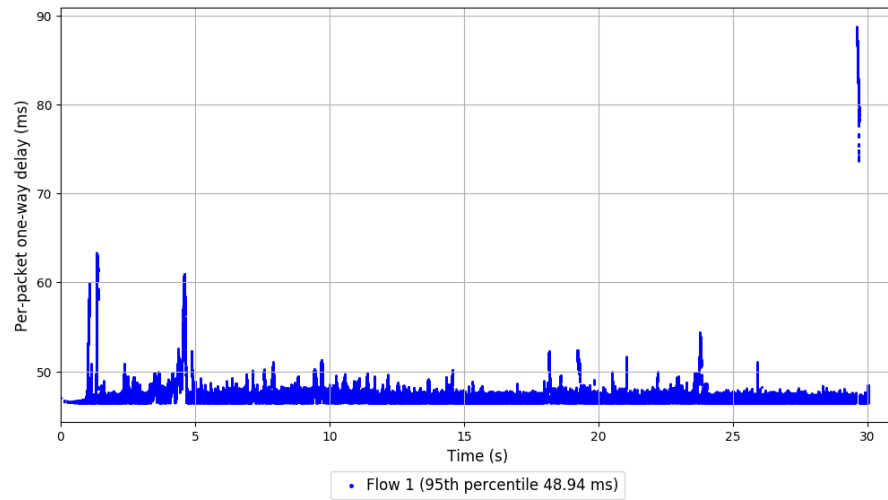
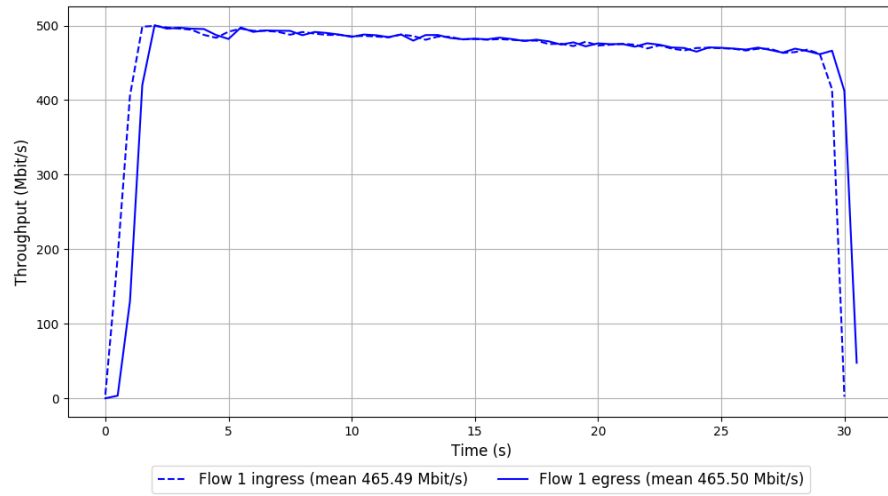


Run 2: Statistics of TCP Vegas

Start at: 2019-02-06 00:27:42
End at: 2019-02-06 00:28:12
Local clock offset: 0.007 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-02-06 04:25:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 465.50 Mbit/s
95th percentile per-packet one-way delay: 48.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 465.50 Mbit/s
95th percentile per-packet one-way delay: 48.940 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-06 00:57:56

End at: 2019-02-06 00:58:26

Local clock offset: 0.115 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-02-06 04:25:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.59 Mbit/s

95th percentile per-packet one-way delay: 96.973 ms

Loss rate: 0.05%

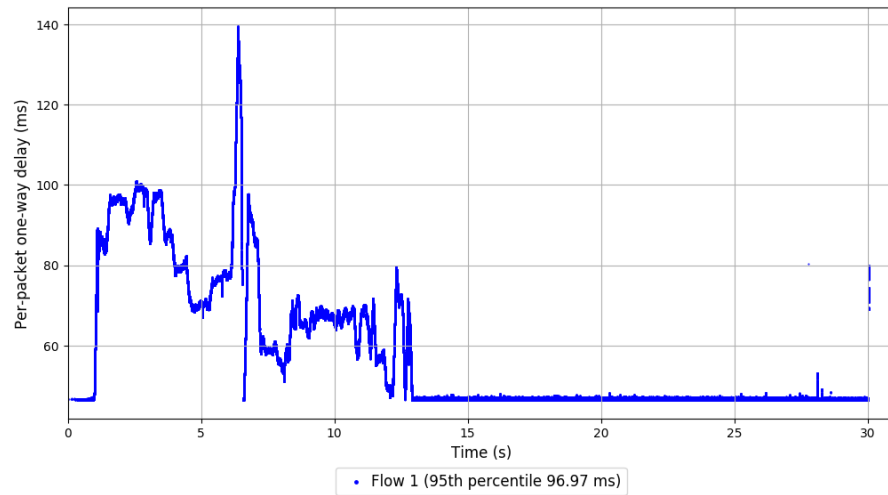
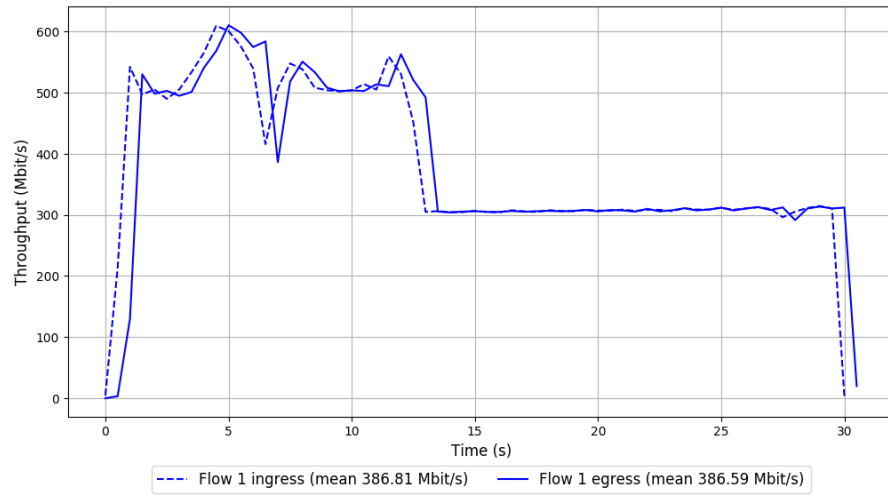
-- Flow 1:

Average throughput: 386.59 Mbit/s

95th percentile per-packet one-way delay: 96.973 ms

Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link

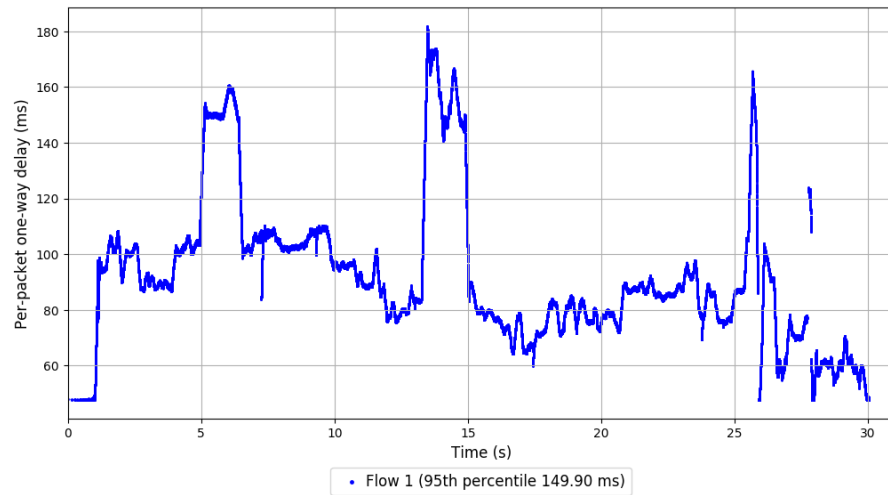
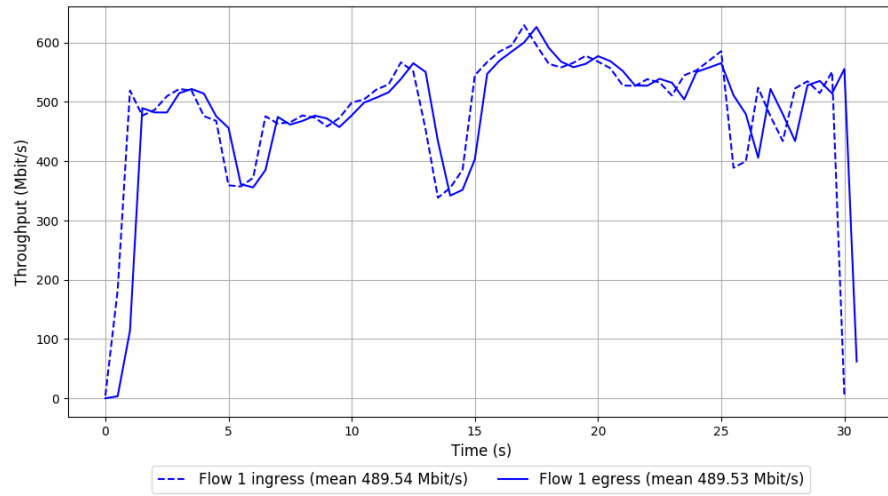


Run 4: Statistics of TCP Vegas

Start at: 2019-02-06 01:28:40
End at: 2019-02-06 01:29:10
Local clock offset: -0.312 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-02-06 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 489.53 Mbit/s
95th percentile per-packet one-way delay: 149.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 489.53 Mbit/s
95th percentile per-packet one-way delay: 149.898 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

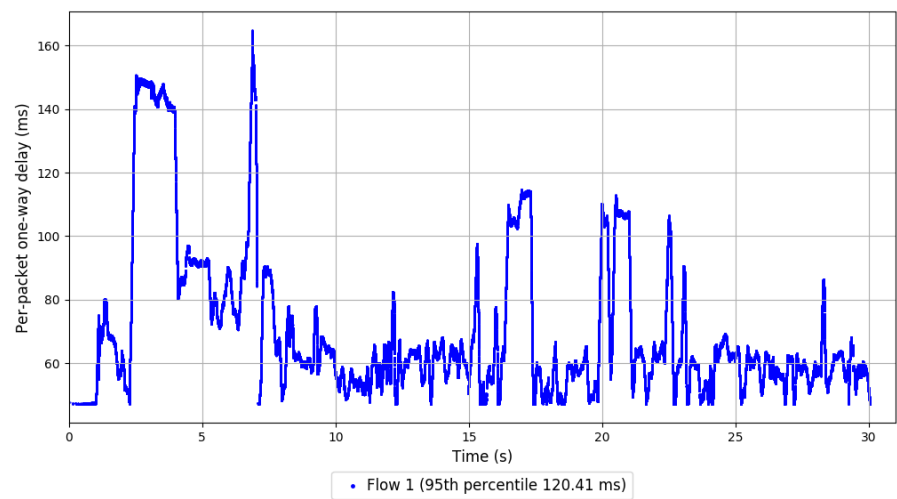
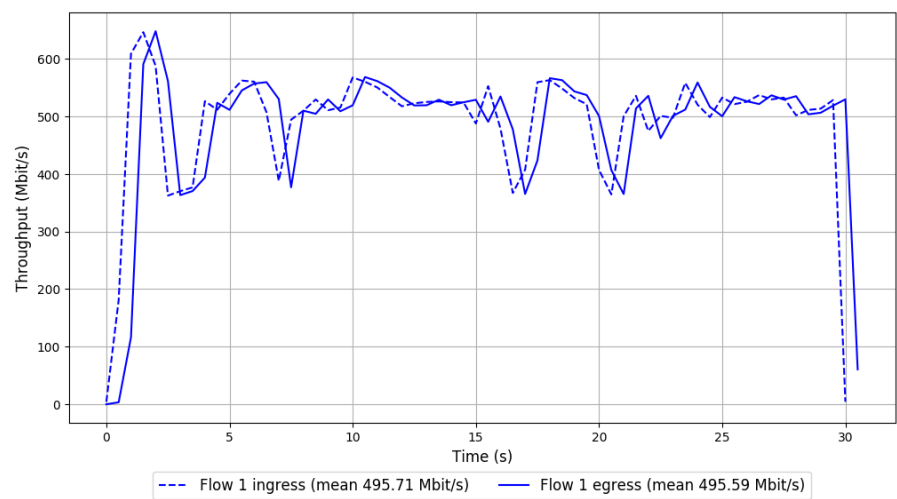


Run 5: Statistics of TCP Vegas

Start at: 2019-02-06 01:59:56
End at: 2019-02-06 02:00:26
Local clock offset: -0.003 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-02-06 04:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 495.59 Mbit/s
95th percentile per-packet one-way delay: 120.410 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 495.59 Mbit/s
95th percentile per-packet one-way delay: 120.410 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-02-05 23:32:24

End at: 2019-02-05 23:32:54

Local clock offset: -0.174 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2019-02-06 04:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.14 Mbit/s

95th percentile per-packet one-way delay: 71.621 ms

Loss rate: 0.00%

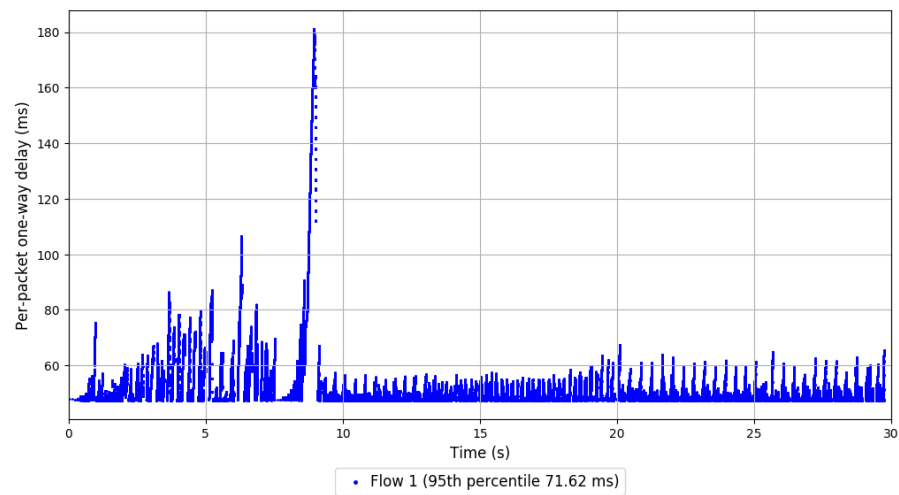
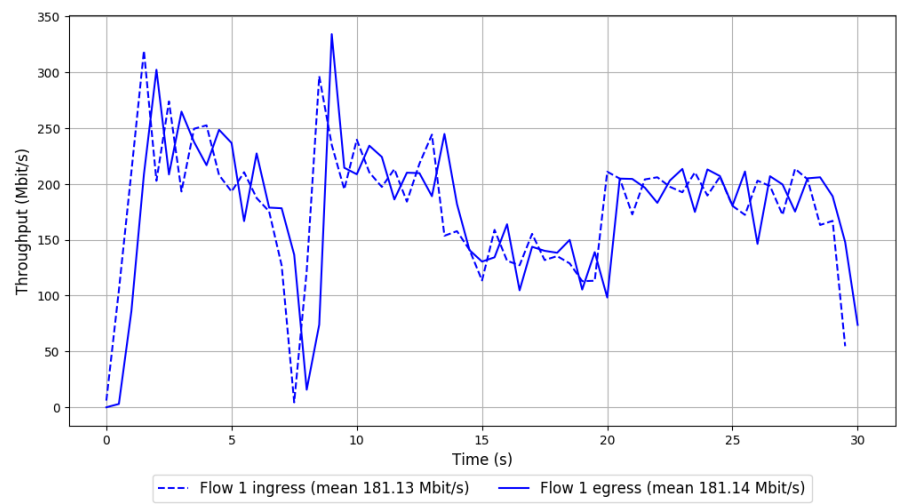
-- Flow 1:

Average throughput: 181.14 Mbit/s

95th percentile per-packet one-way delay: 71.621 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-06 00:03:14

End at: 2019-02-06 00:03:44

Local clock offset: -0.281 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2019-02-06 04:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.30 Mbit/s

95th percentile per-packet one-way delay: 69.614 ms

Loss rate: 0.36%

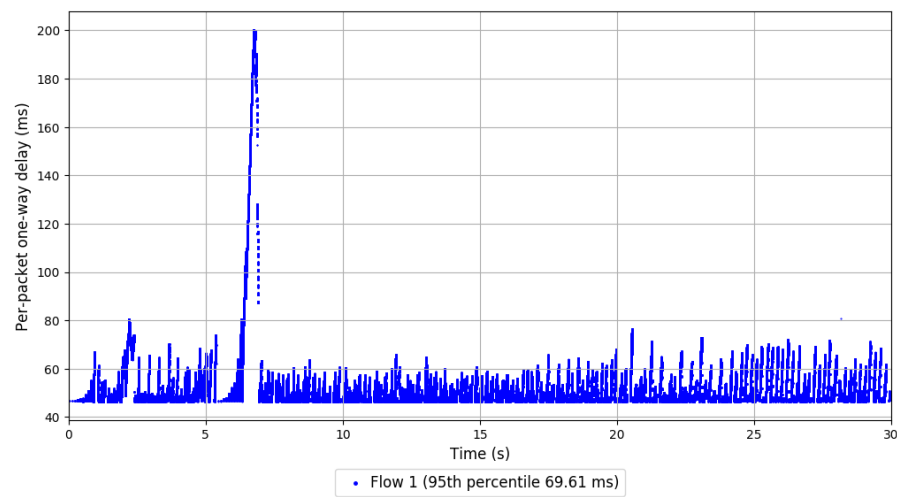
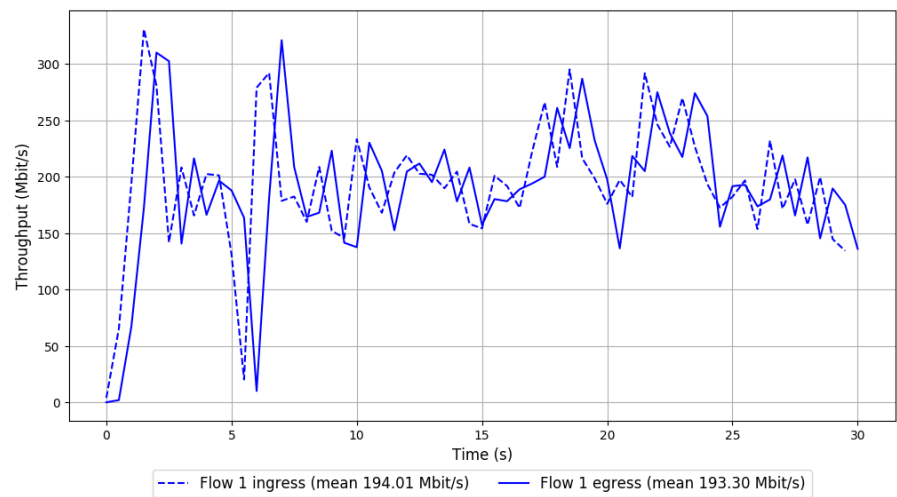
-- Flow 1:

Average throughput: 193.30 Mbit/s

95th percentile per-packet one-way delay: 69.614 ms

Loss rate: 0.36%

Run 2: Report of Verus — Data Link

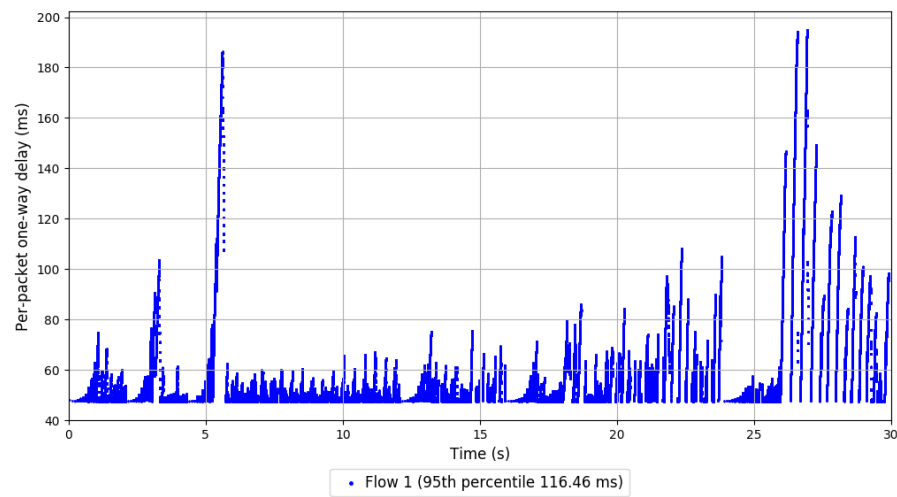
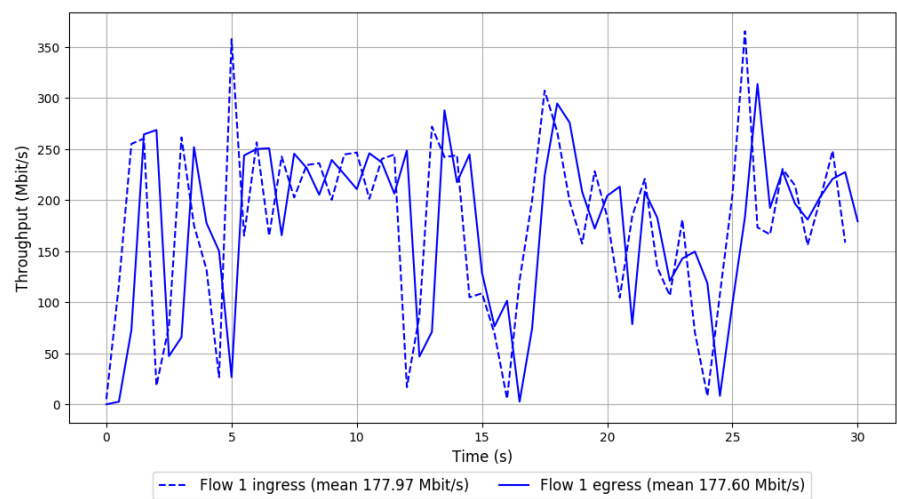


Run 3: Statistics of Verus

Start at: 2019-02-06 00:33:25
End at: 2019-02-06 00:33:56
Local clock offset: 0.058 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-06 04:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.60 Mbit/s
95th percentile per-packet one-way delay: 116.456 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 177.60 Mbit/s
95th percentile per-packet one-way delay: 116.456 ms
Loss rate: 0.04%

Run 3: Report of Verus — Data Link

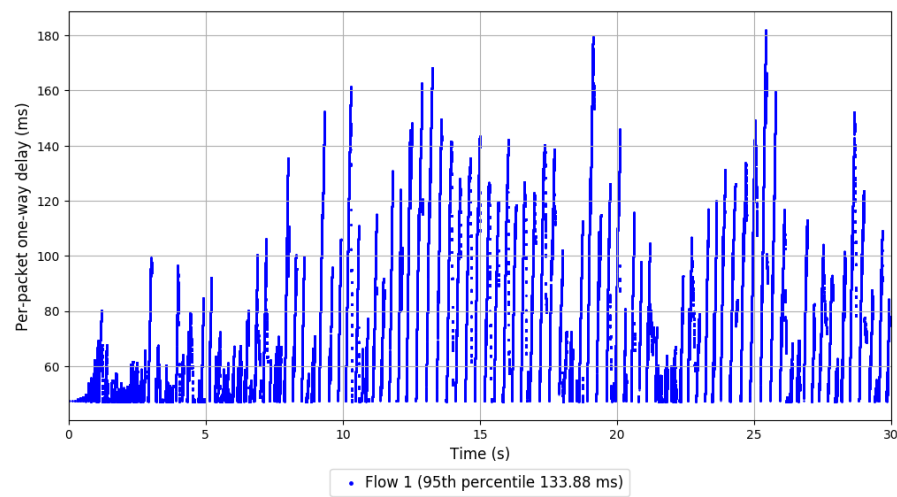
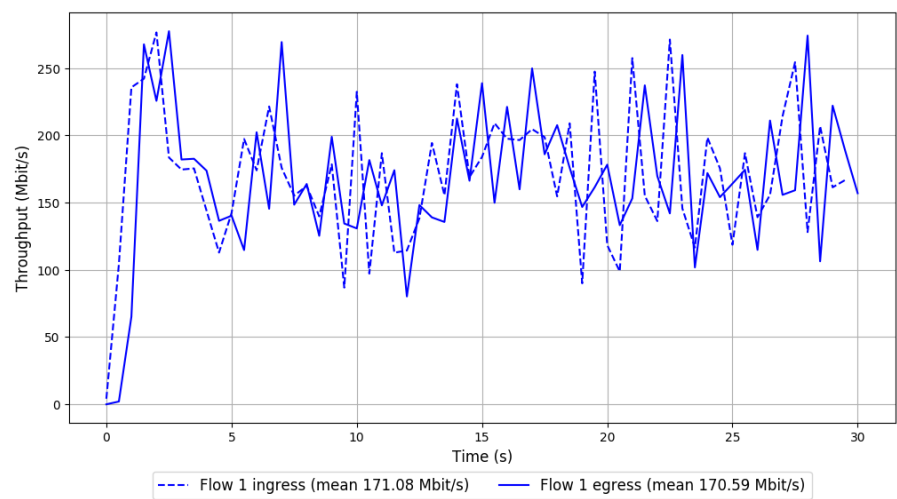


Run 4: Statistics of Verus

Start at: 2019-02-06 01:03:33
End at: 2019-02-06 01:04:03
Local clock offset: 0.132 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-02-06 04:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.59 Mbit/s
95th percentile per-packet one-way delay: 133.882 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 170.59 Mbit/s
95th percentile per-packet one-way delay: 133.882 ms
Loss rate: 0.24%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-06 01:34:38

End at: 2019-02-06 01:35:08

Local clock offset: 0.03 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-02-06 04:30:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.67 Mbit/s

95th percentile per-packet one-way delay: 116.278 ms

Loss rate: 0.16%

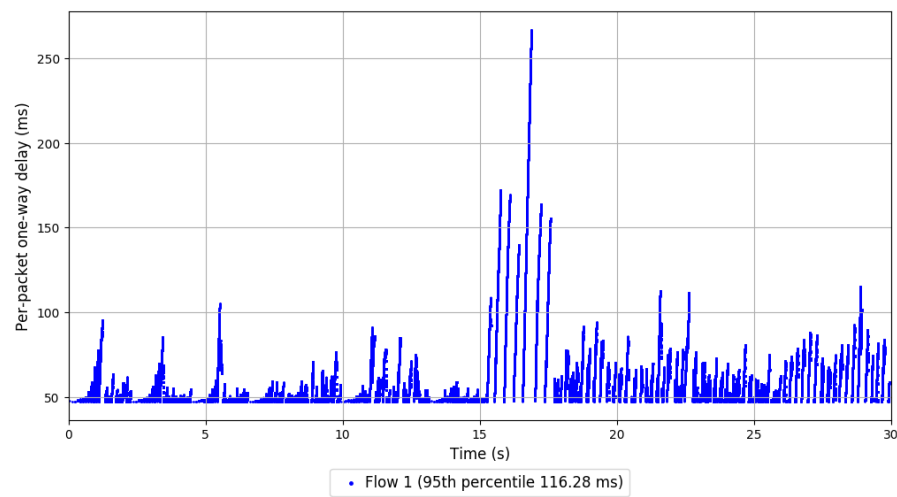
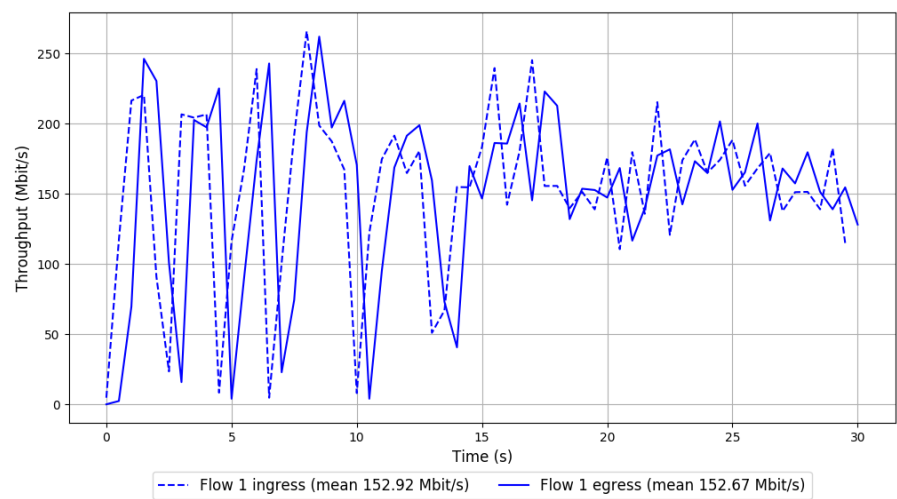
-- Flow 1:

Average throughput: 152.67 Mbit/s

95th percentile per-packet one-way delay: 116.278 ms

Loss rate: 0.16%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-05 23:39:01

End at: 2019-02-05 23:39:31

Local clock offset: -0.216 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-02-06 04:33:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.40 Mbit/s

95th percentile per-packet one-way delay: 51.237 ms

Loss rate: 0.01%

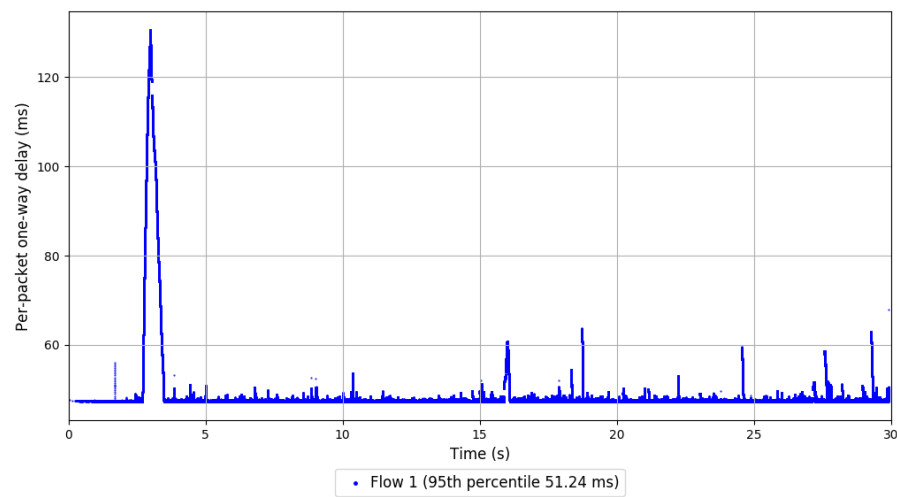
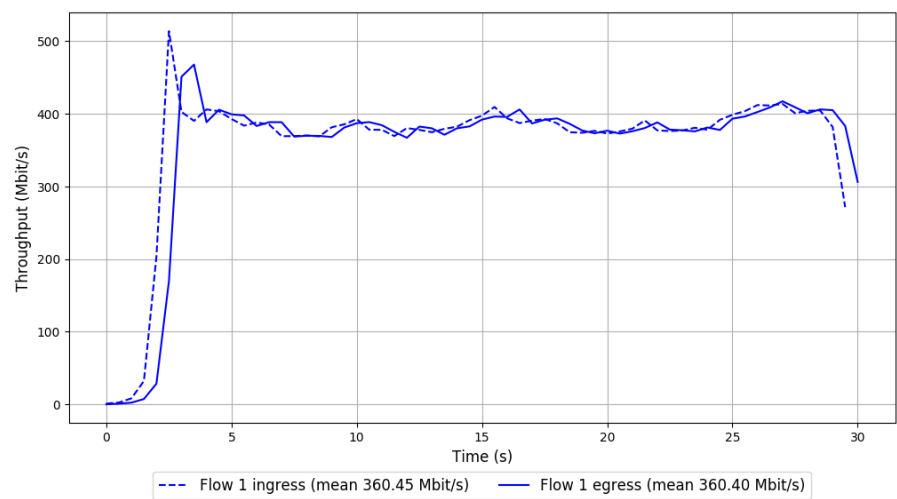
-- Flow 1:

Average throughput: 360.40 Mbit/s

95th percentile per-packet one-way delay: 51.237 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-06 00:09:59

End at: 2019-02-06 00:10:29

Local clock offset: -0.25 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2019-02-06 04:33:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.54 Mbit/s

95th percentile per-packet one-way delay: 49.209 ms

Loss rate: 0.00%

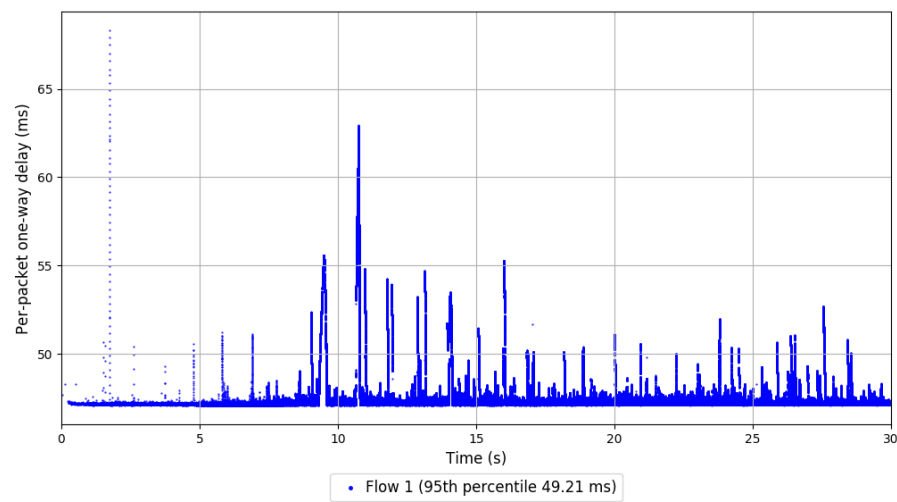
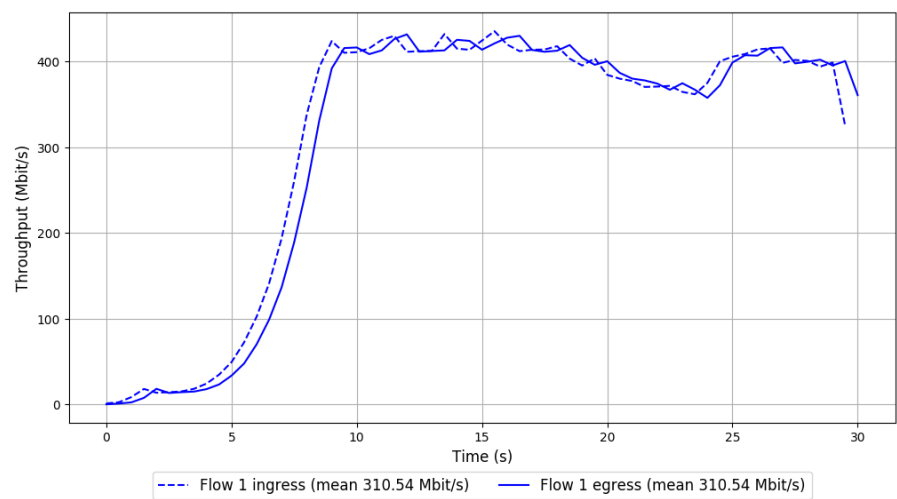
-- Flow 1:

Average throughput: 310.54 Mbit/s

95th percentile per-packet one-way delay: 49.209 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-06 00:40:07

End at: 2019-02-06 00:40:37

Local clock offset: 0.287 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-02-06 04:33:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.31 Mbit/s

95th percentile per-packet one-way delay: 48.599 ms

Loss rate: 0.00%

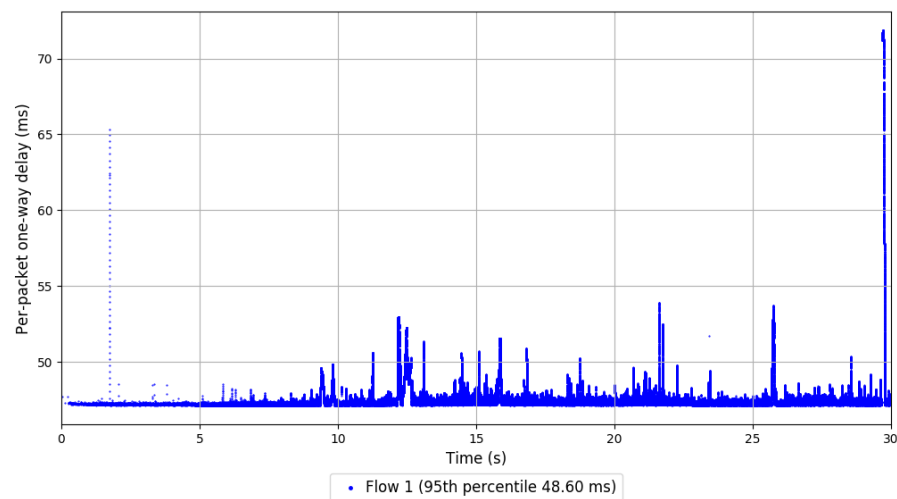
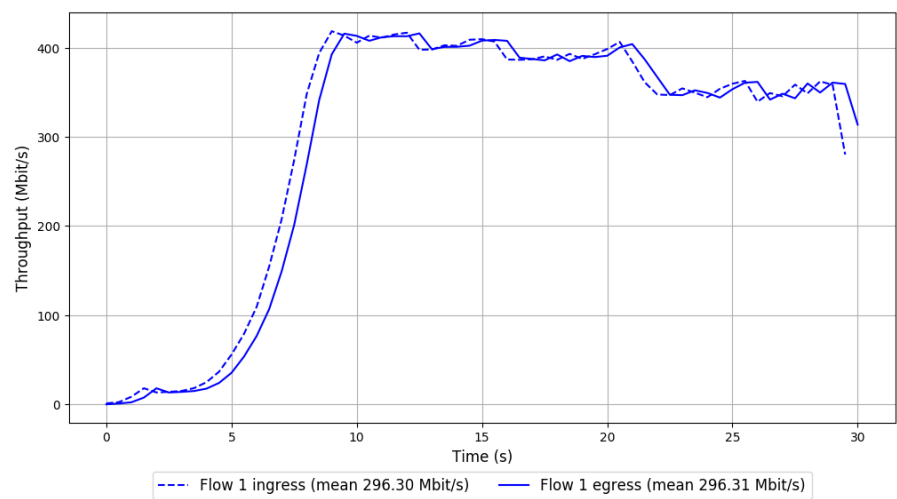
-- Flow 1:

Average throughput: 296.31 Mbit/s

95th percentile per-packet one-way delay: 48.599 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-06 01:10:14

End at: 2019-02-06 01:10:44

Local clock offset: 0.172 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-02-06 04:34:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.22 Mbit/s

95th percentile per-packet one-way delay: 51.884 ms

Loss rate: 0.00%

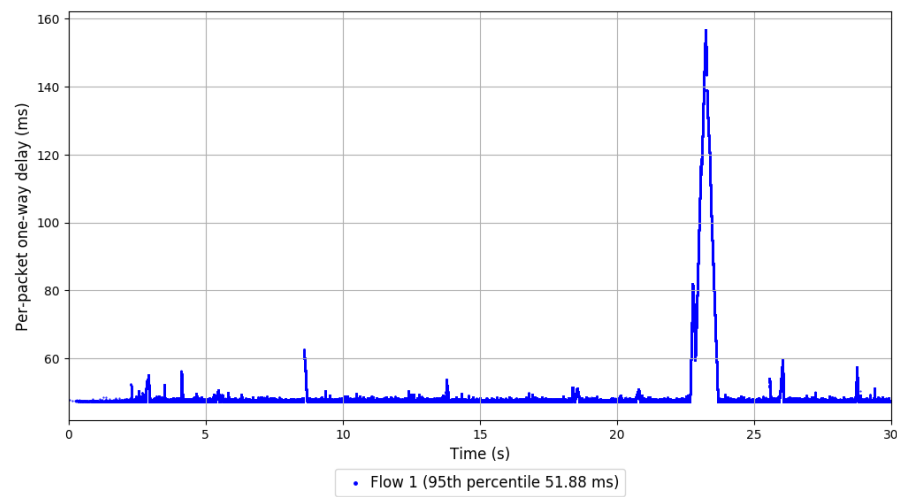
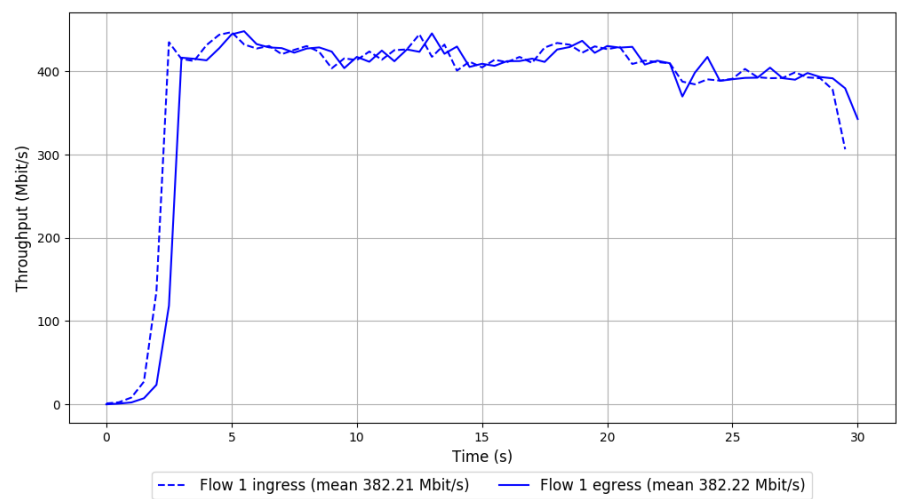
-- Flow 1:

Average throughput: 382.22 Mbit/s

95th percentile per-packet one-way delay: 51.884 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

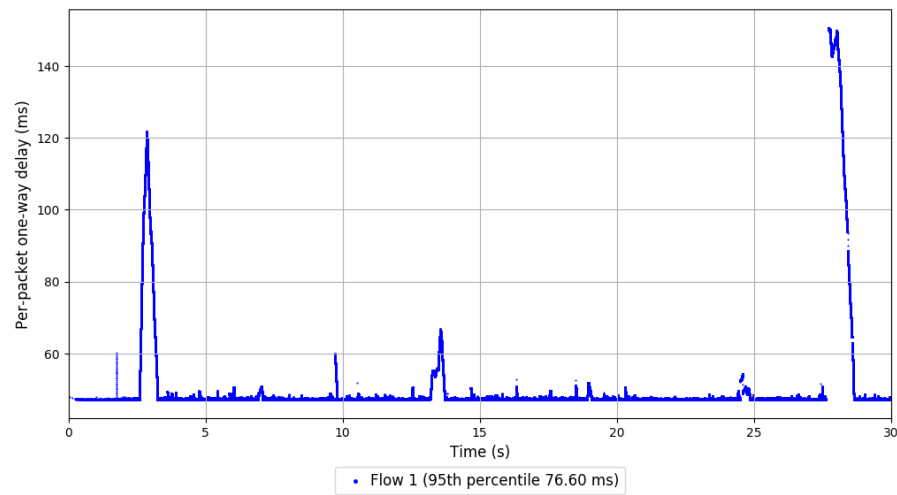
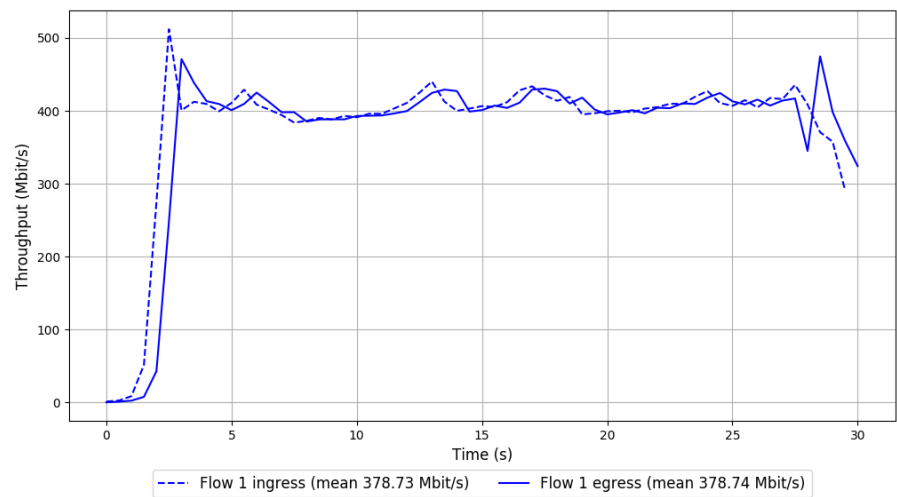


Run 5: Statistics of PCC-Vivace

Start at: 2019-02-06 01:41:30
End at: 2019-02-06 01:42:00
Local clock offset: 0.007 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-02-06 04:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.74 Mbit/s
95th percentile per-packet one-way delay: 76.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 378.74 Mbit/s
95th percentile per-packet one-way delay: 76.600 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-05 23:40:32

End at: 2019-02-05 23:41:02

Local clock offset: -0.211 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-02-06 04:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.824 ms

Loss rate: 0.00%

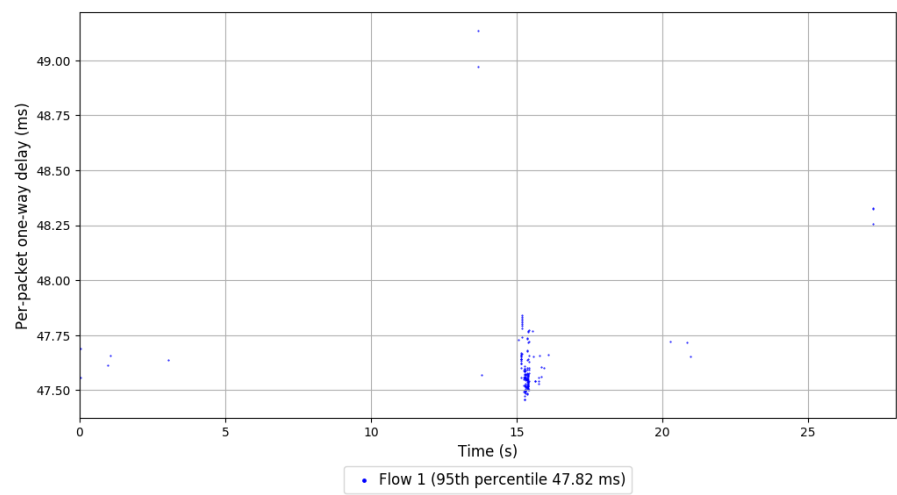
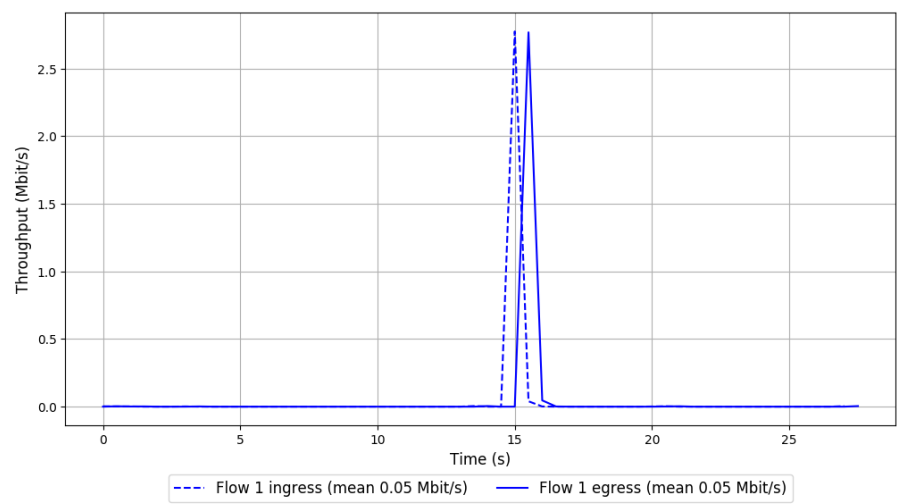
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.824 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-06 00:11:27

End at: 2019-02-06 00:11:57

Local clock offset: -0.236 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-02-06 04:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.750 ms

Loss rate: 0.00%

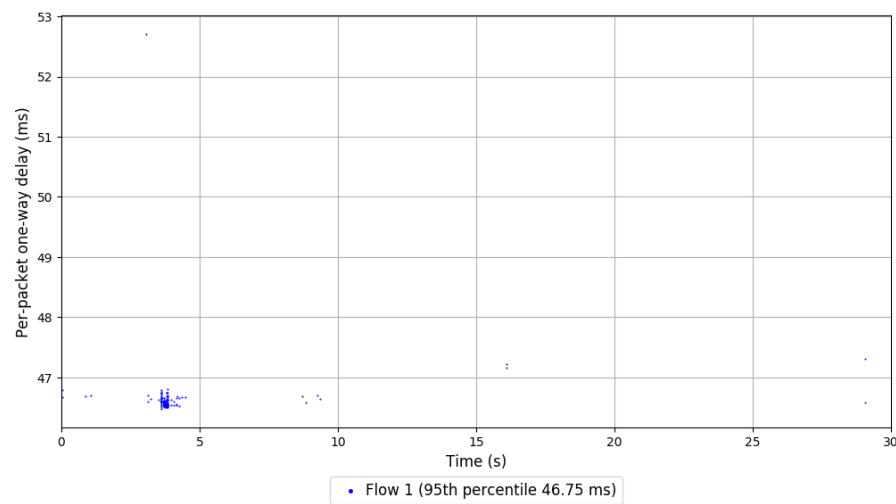
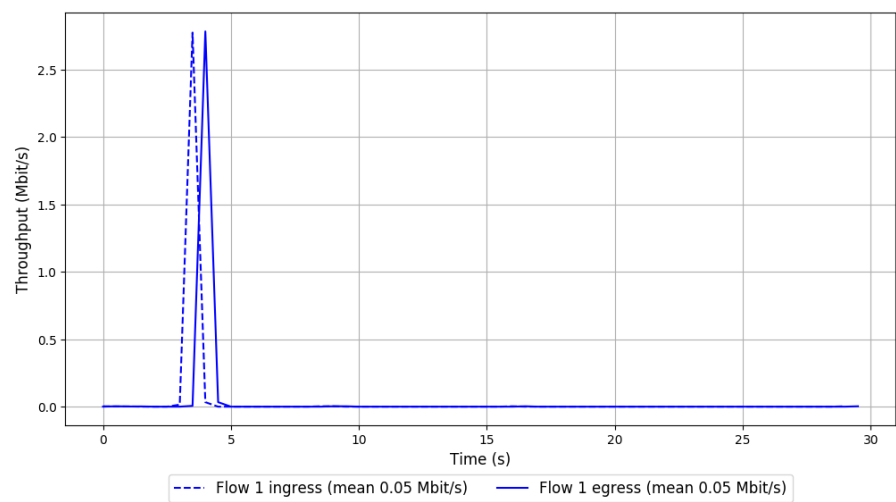
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 46.750 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

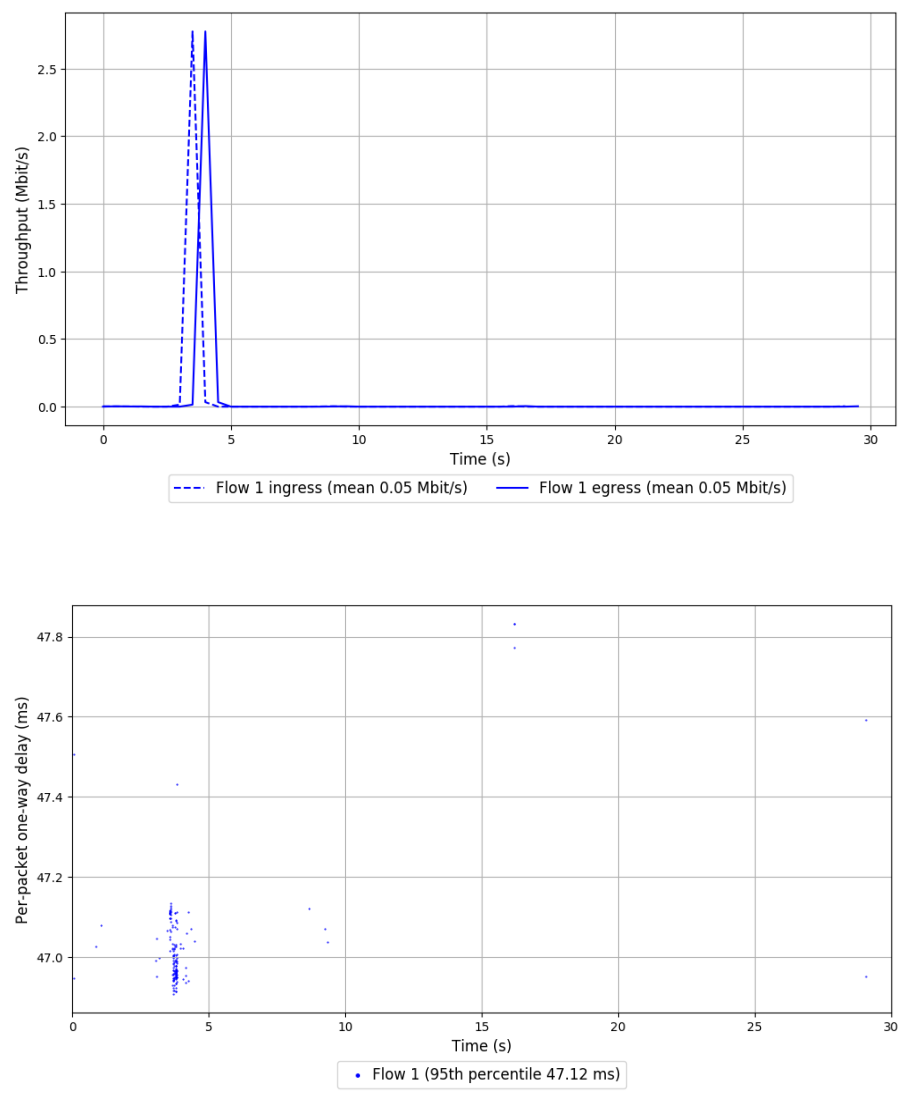


Run 3: Statistics of WebRTC media

Start at: 2019-02-06 00:41:34
End at: 2019-02-06 00:42:04
Local clock offset: 0.499 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-02-06 04:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.124 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-06 01:11:47

End at: 2019-02-06 01:12:17

Local clock offset: 0.121 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-02-06 04:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 47.493 ms

Loss rate: 0.00%

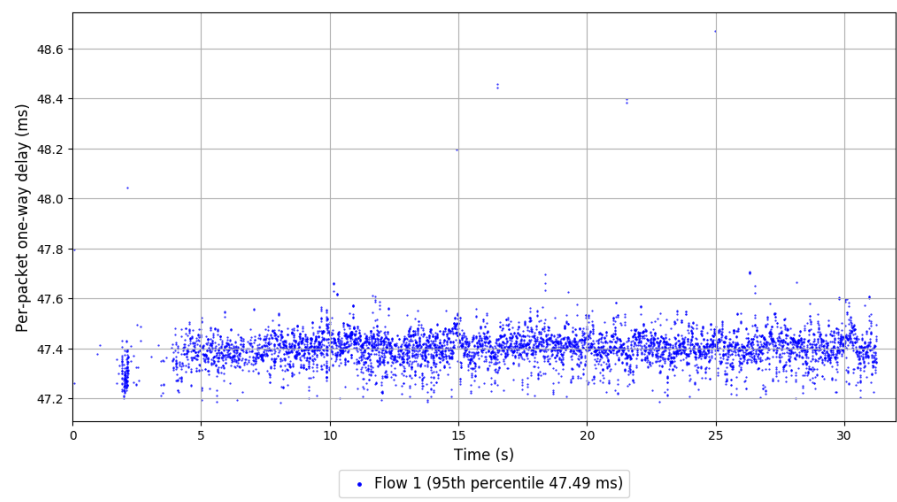
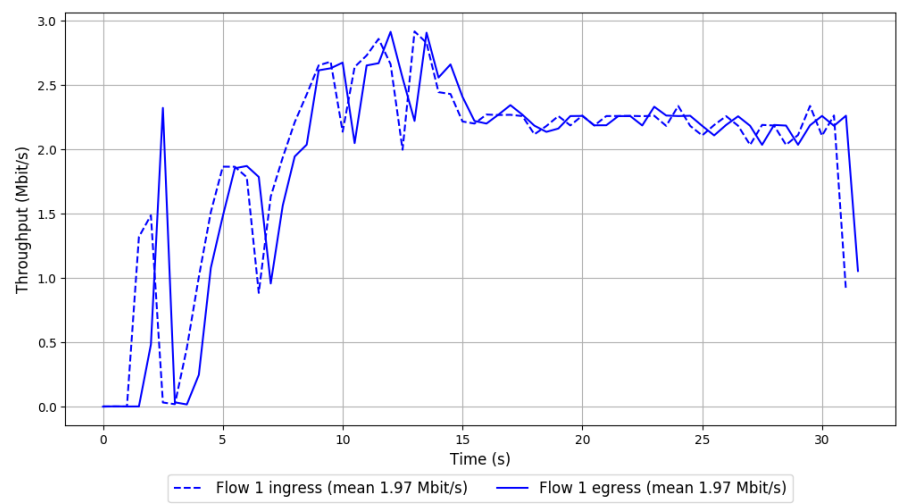
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 47.493 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-06 01:43:11
End at: 2019-02-06 01:43:41
Local clock offset: 0.016 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-06 04:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.975 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

