

Pantheon Report

Generated at 2019-02-05 17:01:16 (UTC).

Data path: GCE Iowa on *ens4 (local)* → GCE Tokyo 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:

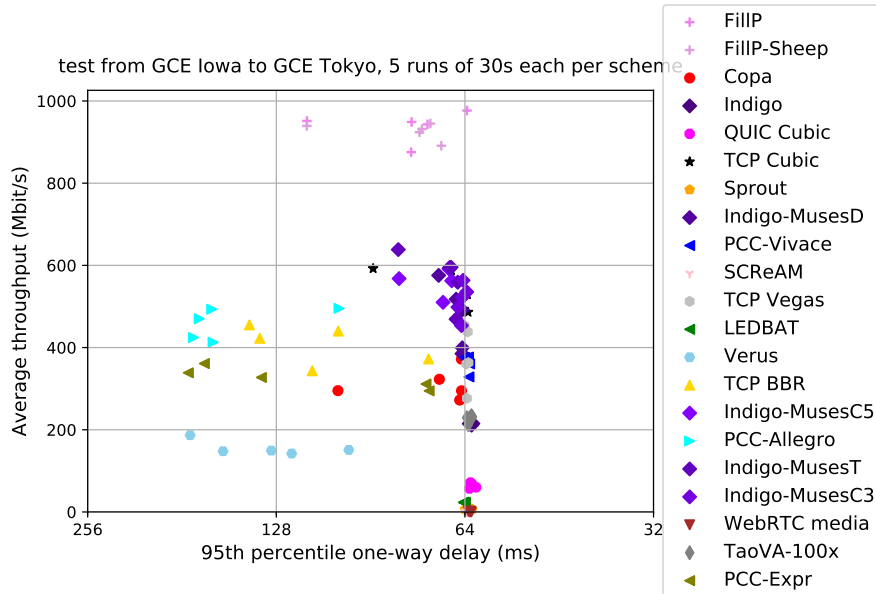
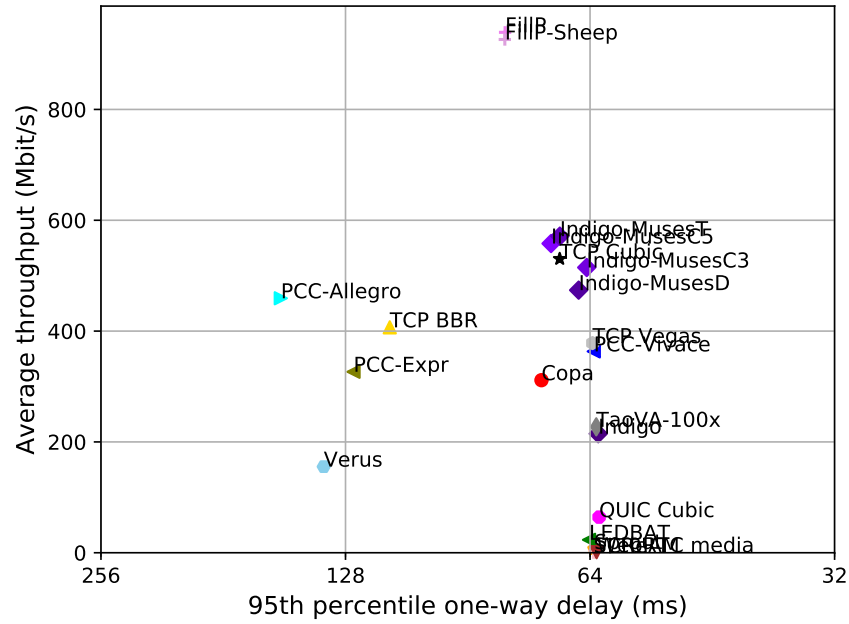
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	406.79	112.91	0.21
Copa	5	311.41	73.45	0.00
TCP Cubic	5	530.25	69.75	0.01
FillP	5	939.13	81.42	0.23
FillP-Sheep	5	926.23	81.49	0.24
Indigo	5	214.85	62.53	0.00
Indigo-MusesC3	5	514.76	64.61	0.00
Indigo-MusesC5	4	558.01	71.48	0.01
Indigo-MusesD	5	473.90	66.10	0.00
Indigo-MusesT	5	571.30	69.72	0.03
LEDBAT	5	23.32	64.18	0.00
PCC-Allegro	5	459.21	153.76	1.28
PCC-Expr	5	326.57	125.13	1.86
QUIC Cubic	4	64.30	62.38	0.00
SCReAM	5	0.22	63.36	0.00
Sprout	5	6.79	63.26	0.00
TaoVA-100x	5	227.22	62.89	0.00
TCP Vegas	5	378.35	63.56	0.00
Verus	5	155.41	136.15	0.31
PCC-Vivace	5	363.36	63.34	0.00
WebRTC media	4	0.92	62.82	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-05 12:41:41

End at: 2019-02-05 12:42:11

Local clock offset: -0.116 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-02-05 15:11:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 440.16 Mbit/s

95th percentile per-packet one-way delay: 101.934 ms

Loss rate: 0.07%

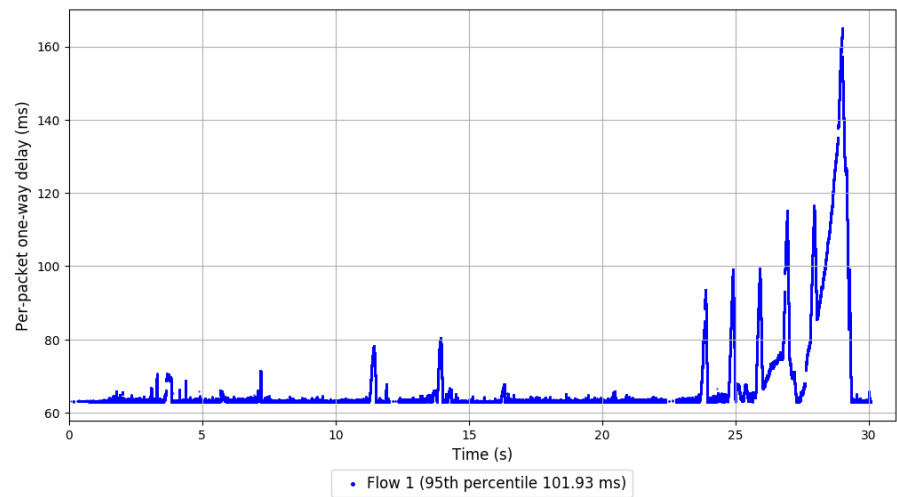
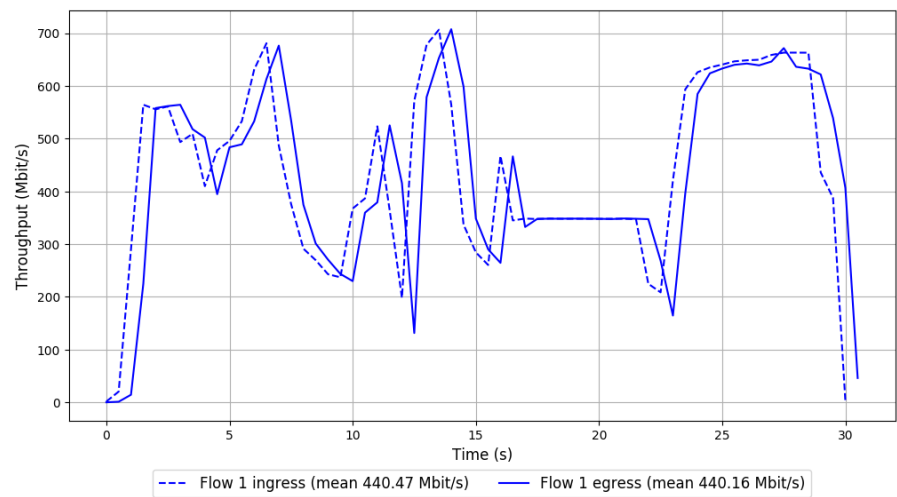
-- Flow 1:

Average throughput: 440.16 Mbit/s

95th percentile per-packet one-way delay: 101.934 ms

Loss rate: 0.07%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-05 13:12:24

End at: 2019-02-05 13:12:54

Local clock offset: -0.031 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2019-02-05 15:11:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.51 Mbit/s

95th percentile per-packet one-way delay: 112.150 ms

Loss rate: 0.00%

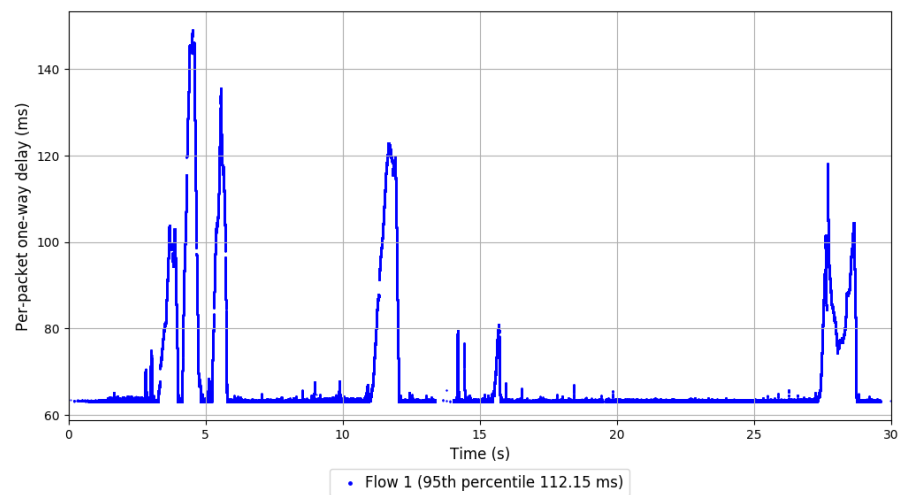
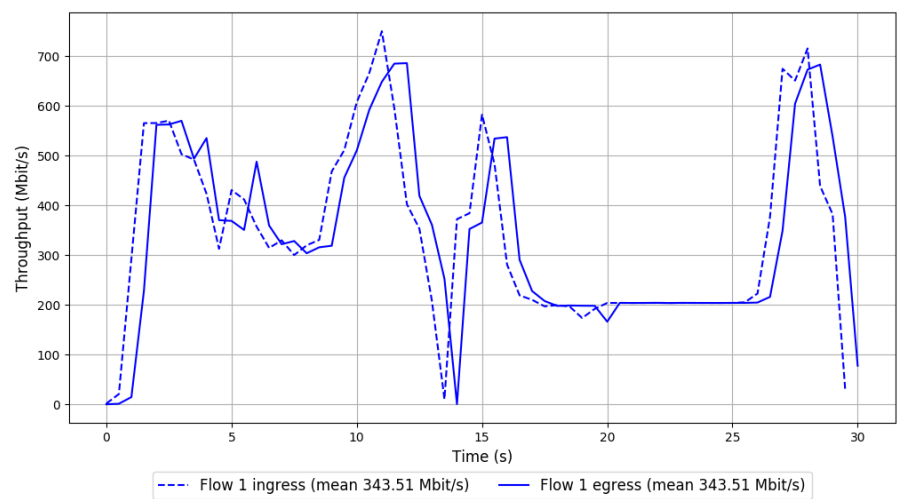
-- Flow 1:

Average throughput: 343.51 Mbit/s

95th percentile per-packet one-way delay: 112.150 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-05 13:43:22

End at: 2019-02-05 13:43:52

Local clock offset: 0.006 ms

Remote clock offset: -0.79 ms

Below is generated by plot.py at 2019-02-05 15:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.25 Mbit/s

95th percentile per-packet one-way delay: 141.301 ms

Loss rate: 0.45%

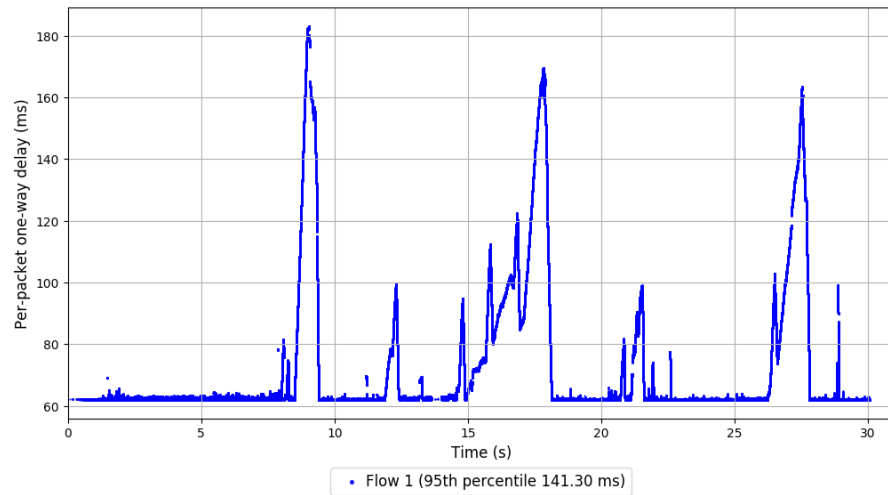
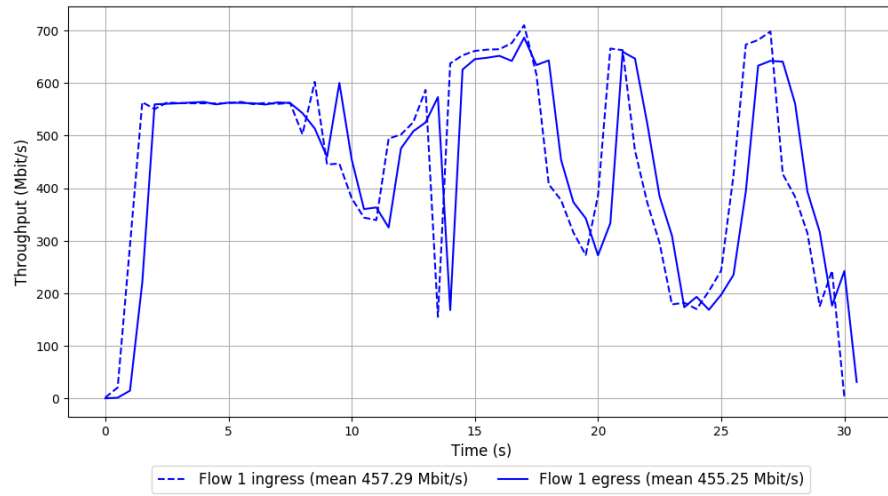
-- Flow 1:

Average throughput: 455.25 Mbit/s

95th percentile per-packet one-way delay: 141.301 ms

Loss rate: 0.45%

Run 3: Report of TCP BBR — Data Link

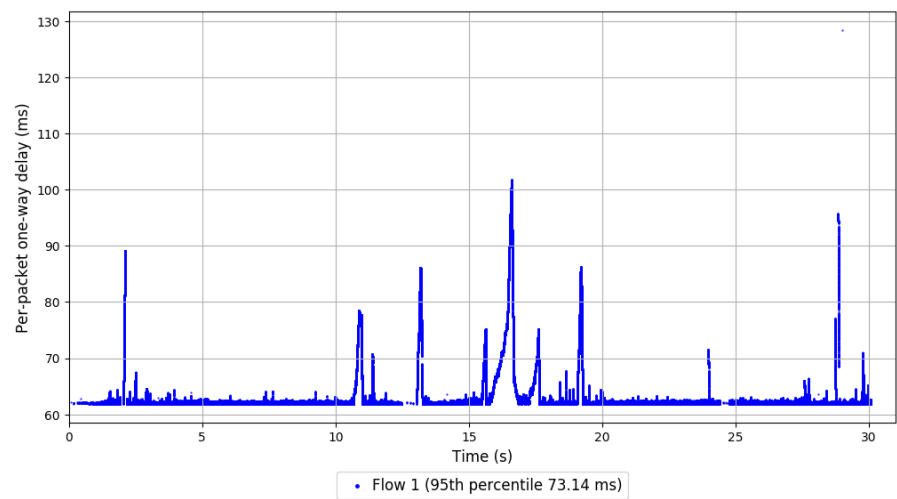
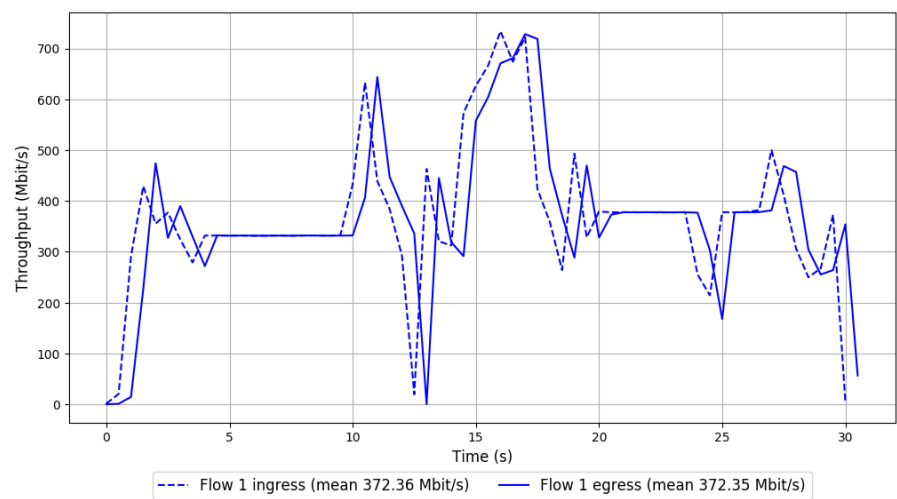


Run 4: Statistics of TCP BBR

Start at: 2019-02-05 14:14:05
End at: 2019-02-05 14:14:35
Local clock offset: -0.178 ms
Remote clock offset: -0.749 ms

Below is generated by plot.py at 2019-02-05 15:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.35 Mbit/s
95th percentile per-packet one-way delay: 73.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 372.35 Mbit/s
95th percentile per-packet one-way delay: 73.142 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-05 14:45:03

End at: 2019-02-05 14:45:33

Local clock offset: -0.256 ms

Remote clock offset: 0.703 ms

Below is generated by plot.py at 2019-02-05 15:12:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.66 Mbit/s

95th percentile per-packet one-way delay: 136.003 ms

Loss rate: 0.52%

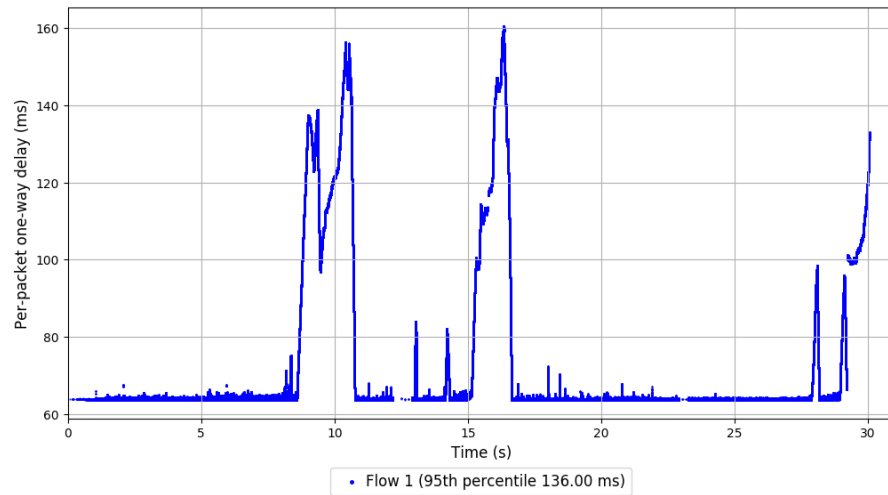
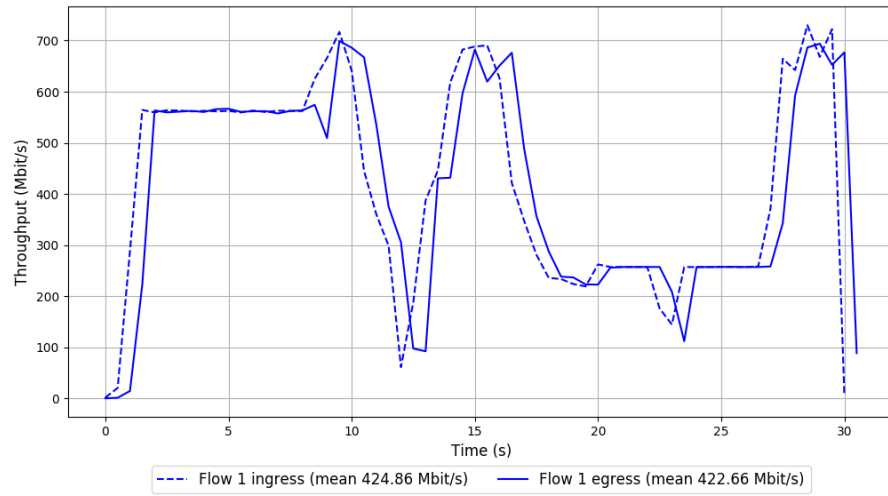
-- Flow 1:

Average throughput: 422.66 Mbit/s

95th percentile per-packet one-way delay: 136.003 ms

Loss rate: 0.52%

Run 5: Report of TCP BBR — Data Link

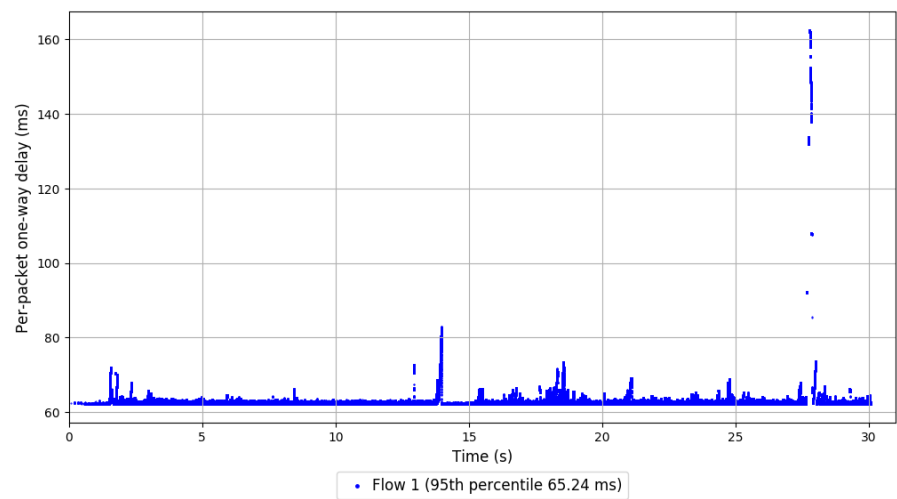
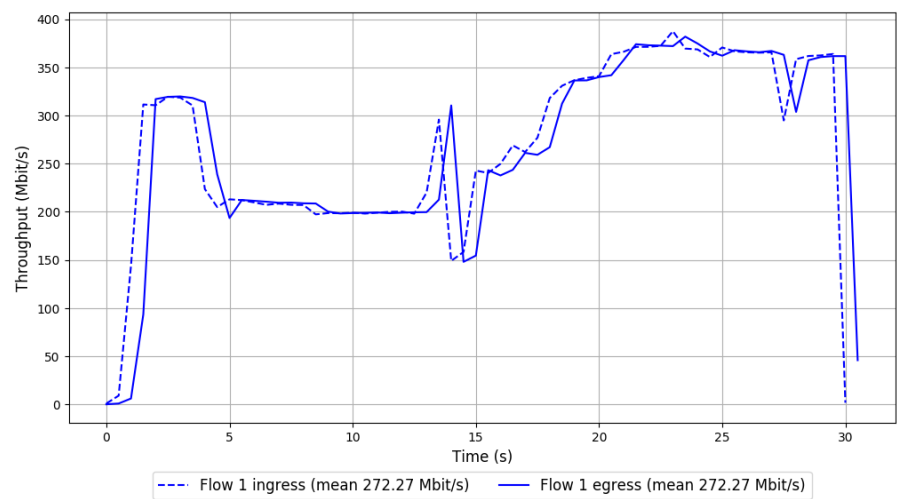


Run 1: Statistics of Copa

Start at: 2019-02-05 12:26:26
End at: 2019-02-05 12:26:56
Local clock offset: -0.14 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2019-02-05 15:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.27 Mbit/s
95th percentile per-packet one-way delay: 65.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.27 Mbit/s
95th percentile per-packet one-way delay: 65.244 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

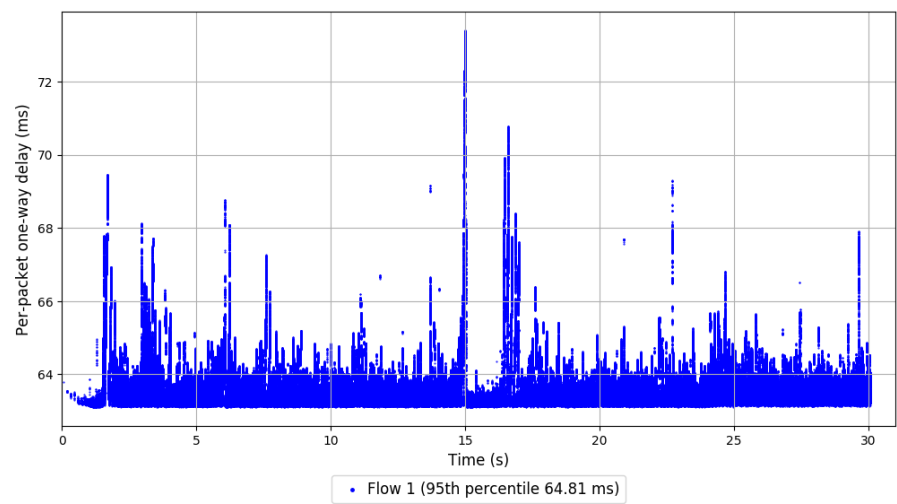
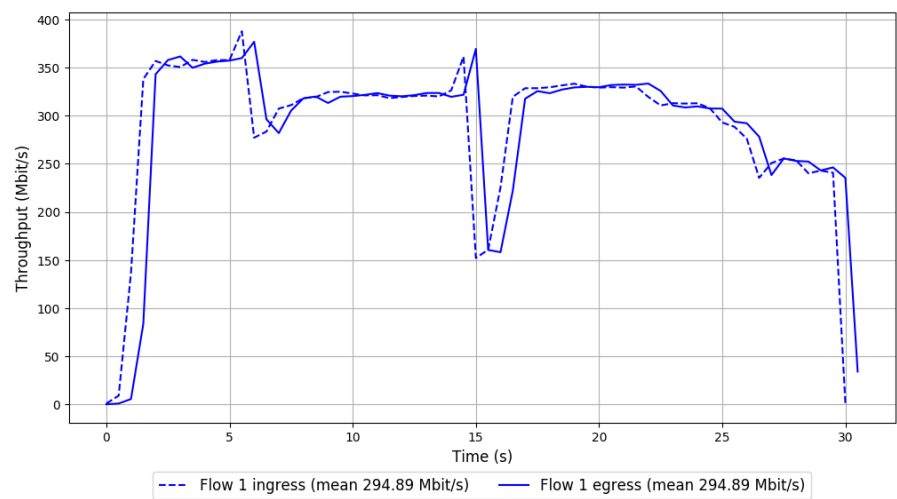


Run 2: Statistics of Copa

Start at: 2019-02-05 12:57:10
End at: 2019-02-05 12:57:40
Local clock offset: -0.008 ms
Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-02-05 15:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.89 Mbit/s
95th percentile per-packet one-way delay: 64.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.89 Mbit/s
95th percentile per-packet one-way delay: 64.811 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

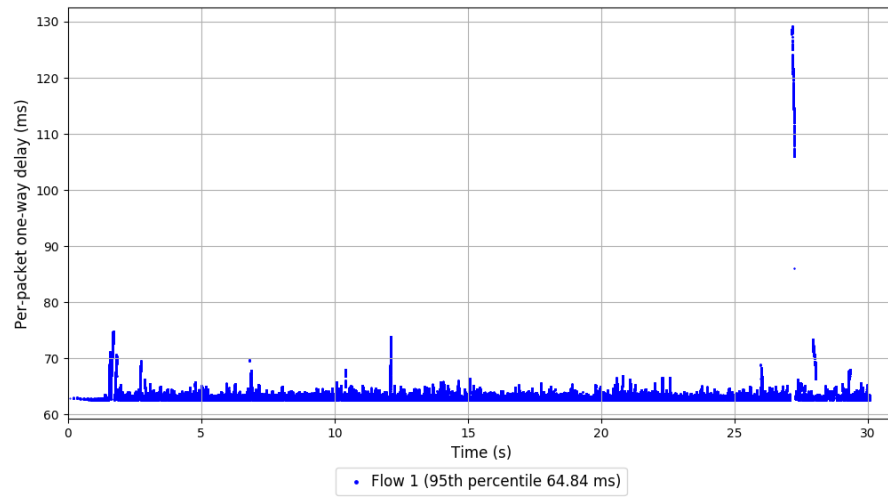
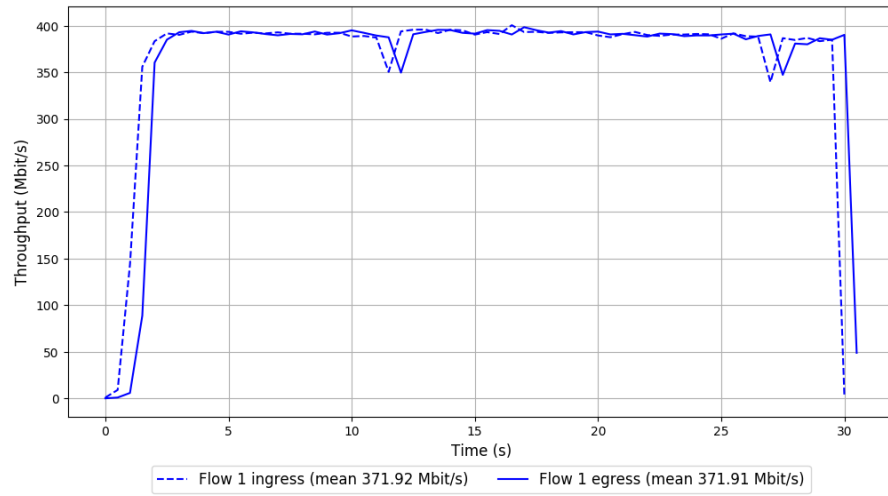


Run 3: Statistics of Copa

Start at: 2019-02-05 13:28:01
End at: 2019-02-05 13:28:31
Local clock offset: 0.006 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2019-02-05 15:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.91 Mbit/s
95th percentile per-packet one-way delay: 64.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 371.91 Mbit/s
95th percentile per-packet one-way delay: 64.838 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

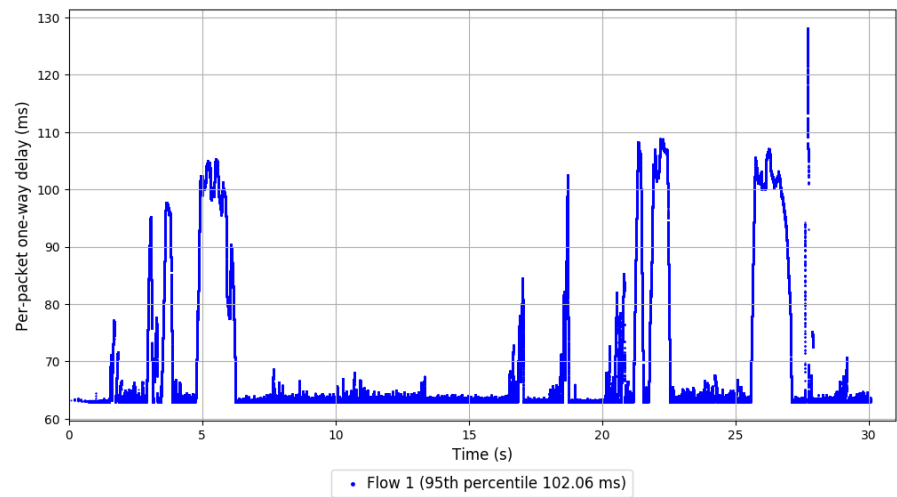
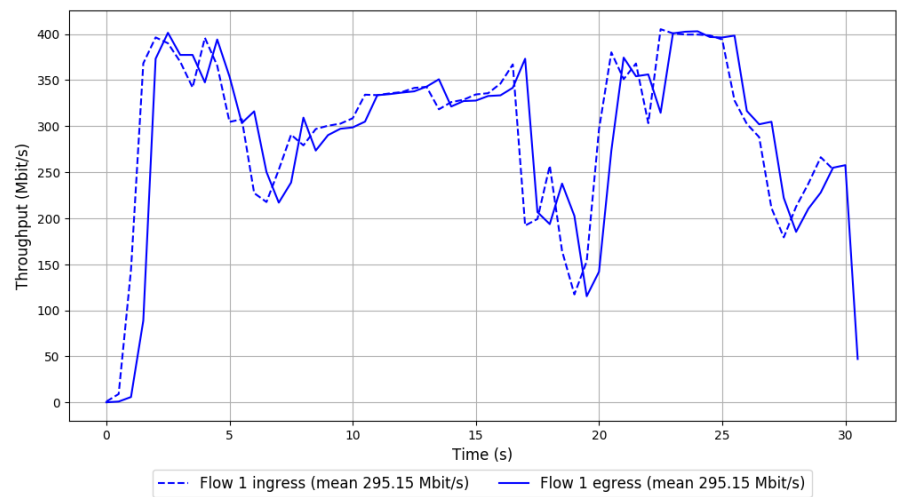


Run 4: Statistics of Copa

Start at: 2019-02-05 13:58:37
End at: 2019-02-05 13:59:07
Local clock offset: -0.043 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-05 15:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.15 Mbit/s
95th percentile per-packet one-way delay: 102.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 295.15 Mbit/s
95th percentile per-packet one-way delay: 102.056 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

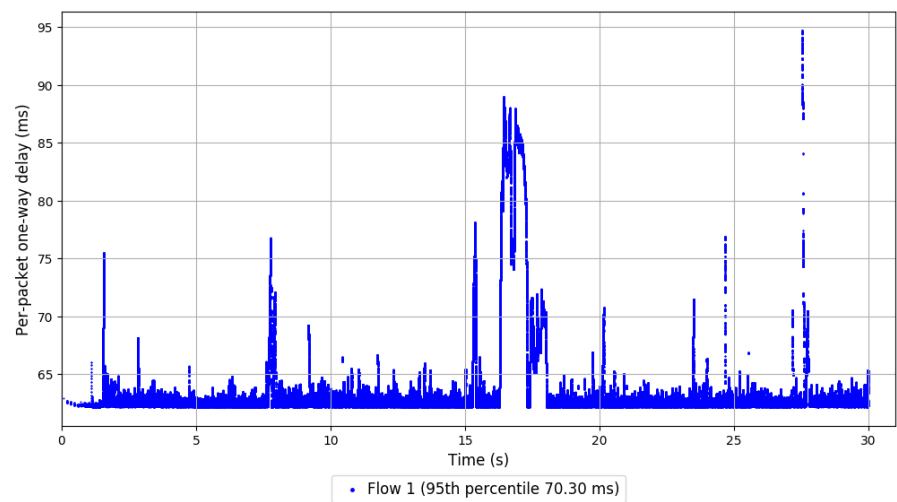
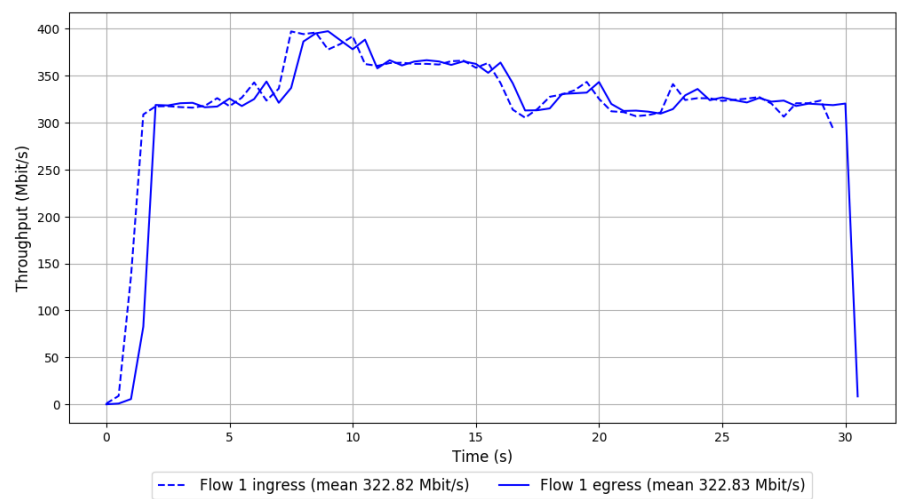


Run 5: Statistics of Copa

Start at: 2019-02-05 14:29:40
End at: 2019-02-05 14:30:10
Local clock offset: -0.209 ms
Remote clock offset: -0.949 ms

Below is generated by plot.py at 2019-02-05 15:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.83 Mbit/s
95th percentile per-packet one-way delay: 70.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.83 Mbit/s
95th percentile per-packet one-way delay: 70.298 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

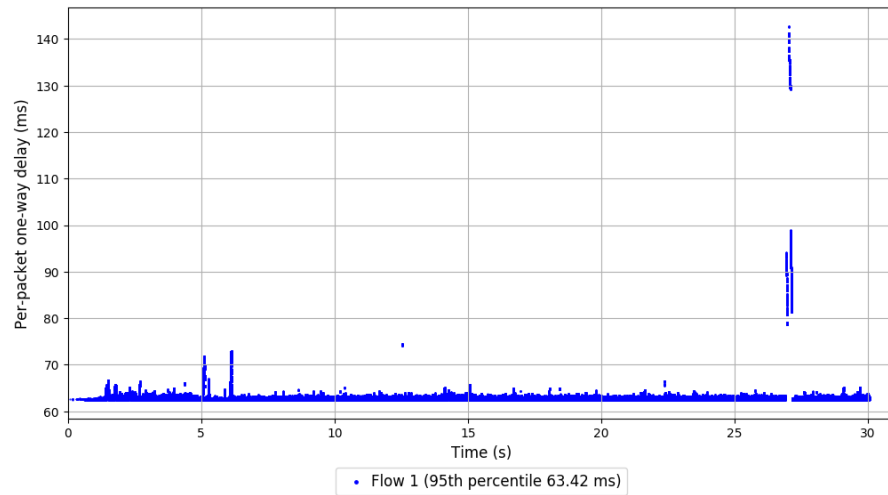
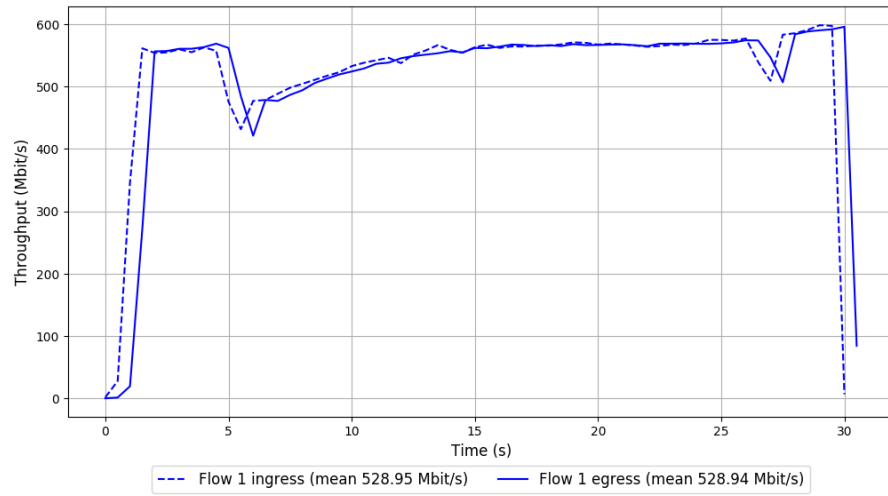


Run 1: Statistics of TCP Cubic

Start at: 2019-02-05 12:44:53
End at: 2019-02-05 12:45:23
Local clock offset: -0.109 ms
Remote clock offset: -0.703 ms

Below is generated by plot.py at 2019-02-05 15:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 528.94 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 528.94 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-02-05 13:15:32

End at: 2019-02-05 13:16:02

Local clock offset: 0.038 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2019-02-05 15:23:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.29 Mbit/s

95th percentile per-packet one-way delay: 67.255 ms

Loss rate: 0.00%

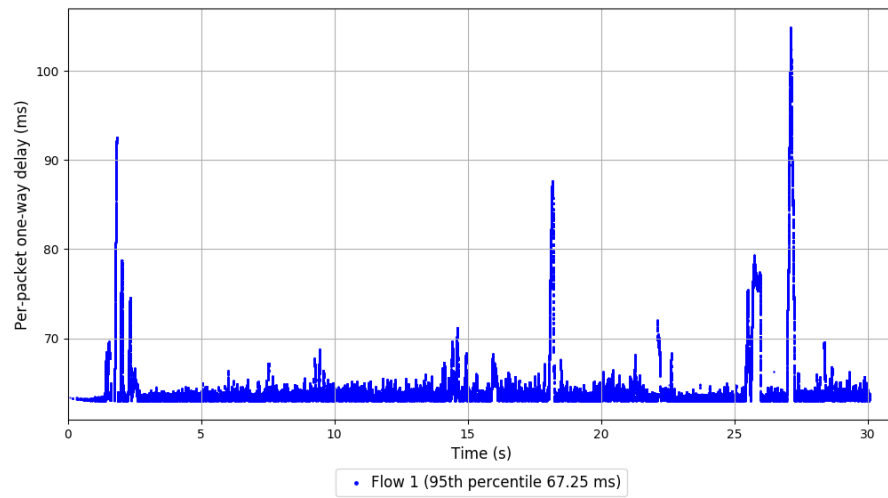
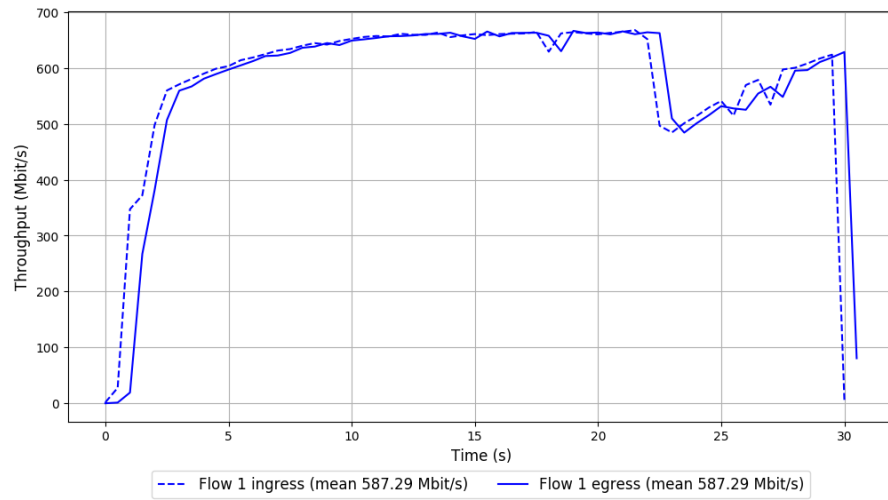
-- Flow 1:

Average throughput: 587.29 Mbit/s

95th percentile per-packet one-way delay: 67.255 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-05 13:46:30

End at: 2019-02-05 13:47:01

Local clock offset: -0.027 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2019-02-05 15:23:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.39 Mbit/s

95th percentile per-packet one-way delay: 65.089 ms

Loss rate: 0.00%

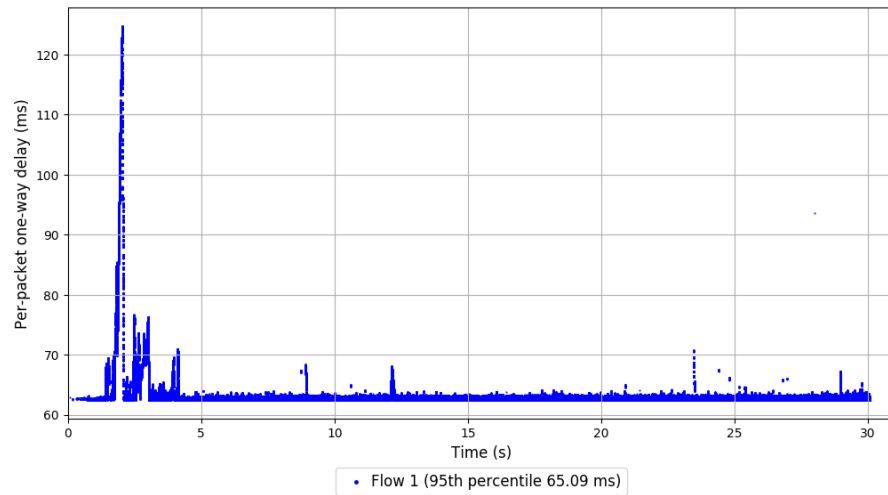
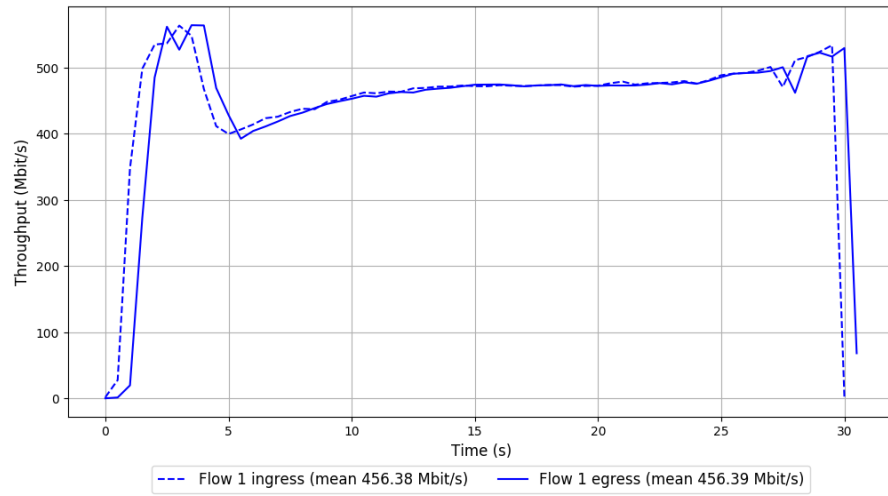
-- Flow 1:

Average throughput: 456.39 Mbit/s

95th percentile per-packet one-way delay: 65.089 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

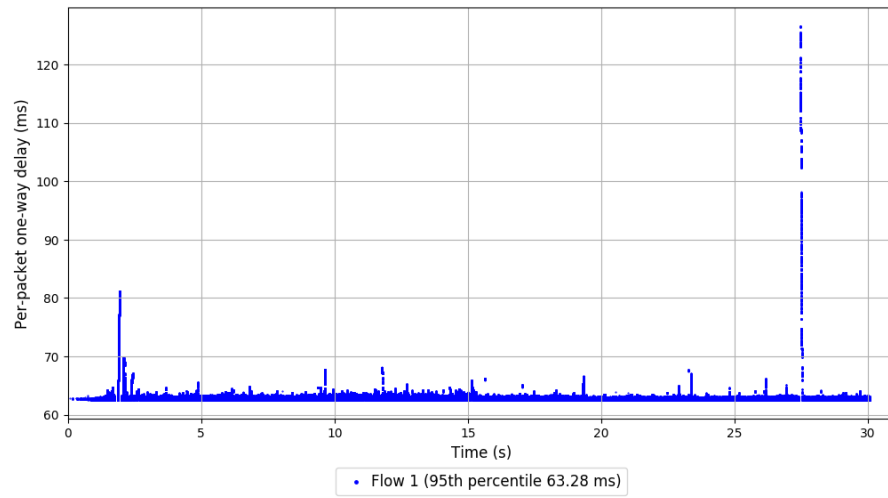
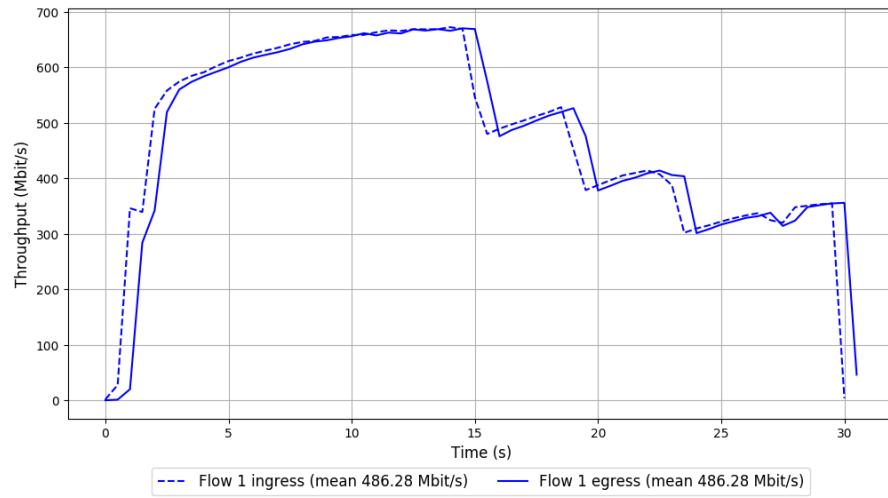


Run 4: Statistics of TCP Cubic

Start at: 2019-02-05 14:17:14
End at: 2019-02-05 14:17:45
Local clock offset: -0.131 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2019-02-05 15:23:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 486.28 Mbit/s
95th percentile per-packet one-way delay: 63.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 486.28 Mbit/s
95th percentile per-packet one-way delay: 63.284 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

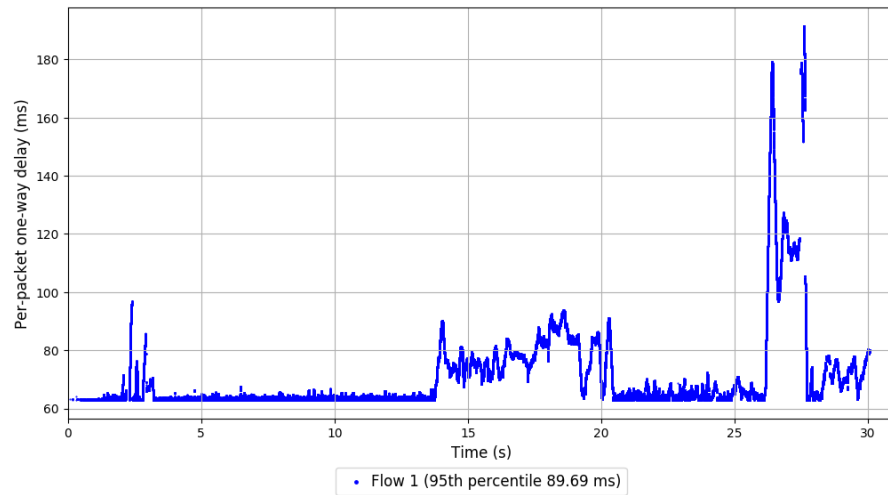
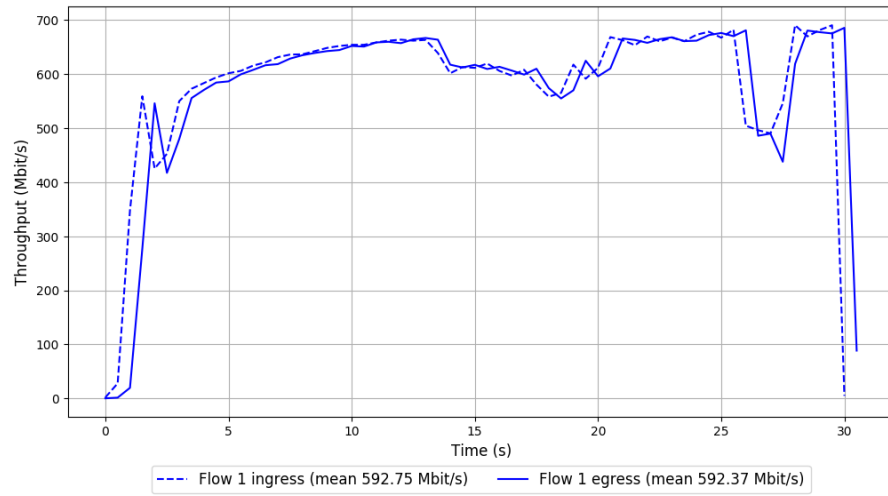


Run 5: Statistics of TCP Cubic

Start at: 2019-02-05 14:48:11
End at: 2019-02-05 14:48:41
Local clock offset: -0.262 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2019-02-05 15:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 592.37 Mbit/s
95th percentile per-packet one-way delay: 89.685 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 592.37 Mbit/s
95th percentile per-packet one-way delay: 89.685 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

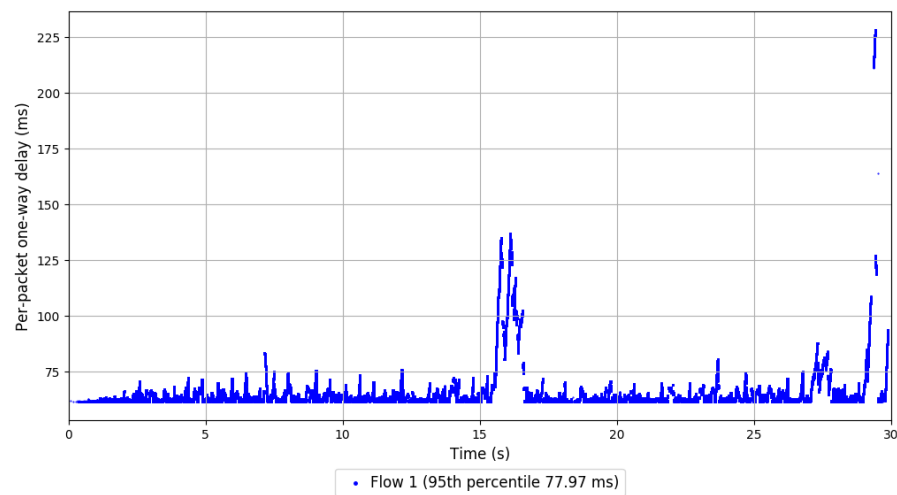
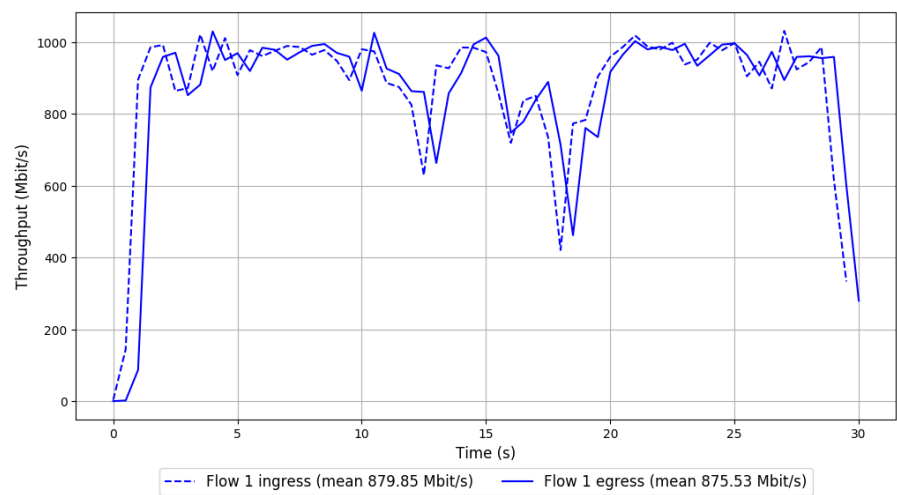


Run 1: Statistics of FillP

Start at: 2019-02-05 12:35:50
End at: 2019-02-05 12:36:20
Local clock offset: -0.113 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2019-02-05 15:37:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 875.53 Mbit/s
95th percentile per-packet one-way delay: 77.969 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 875.53 Mbit/s
95th percentile per-packet one-way delay: 77.969 ms
Loss rate: 0.48%

Run 1: Report of FillP — Data Link

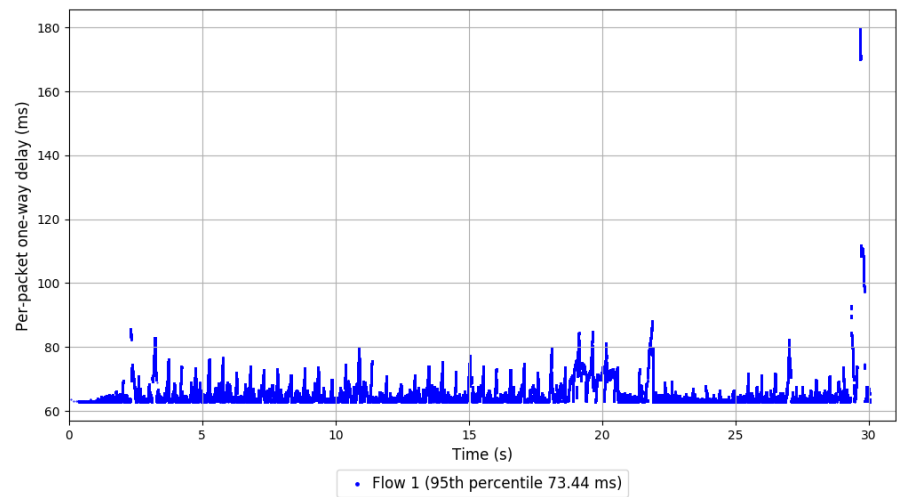
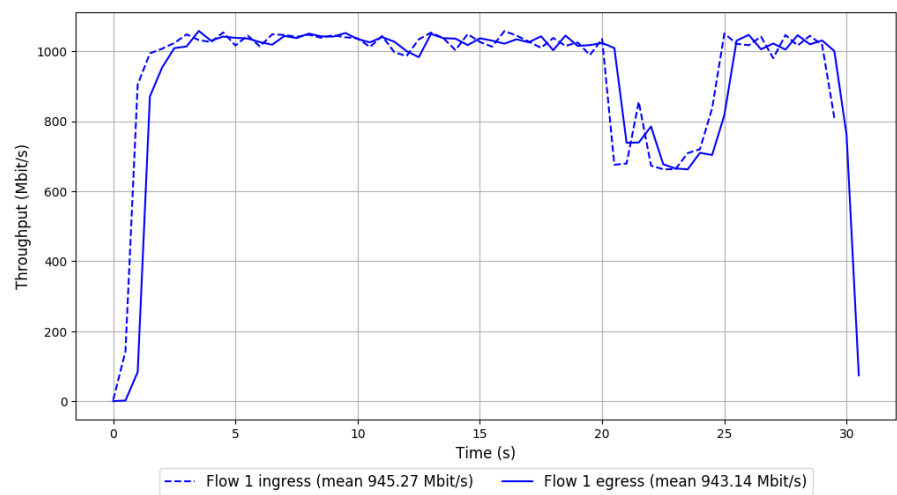


Run 2: Statistics of FillP

Start at: 2019-02-05 13:06:41
End at: 2019-02-05 13:07:11
Local clock offset: -0.031 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-02-05 15:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 943.14 Mbit/s
95th percentile per-packet one-way delay: 73.441 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 943.14 Mbit/s
95th percentile per-packet one-way delay: 73.441 ms
Loss rate: 0.23%

Run 2: Report of FillP — Data Link

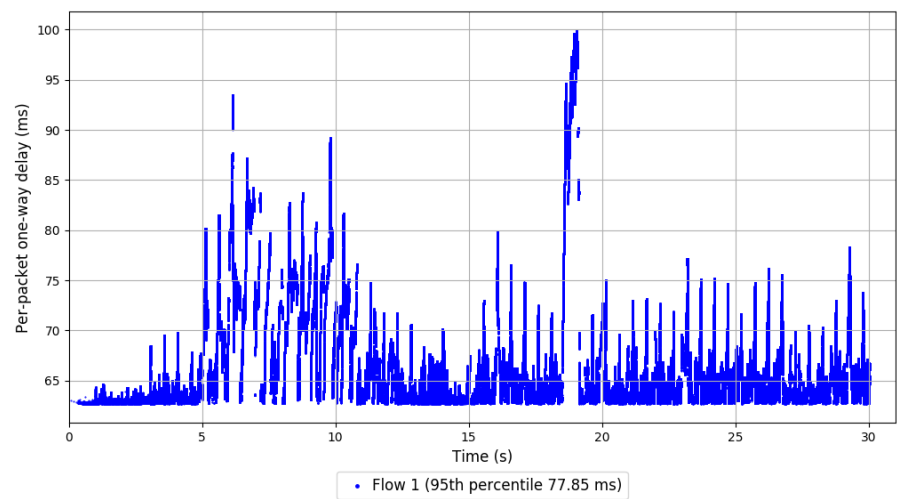
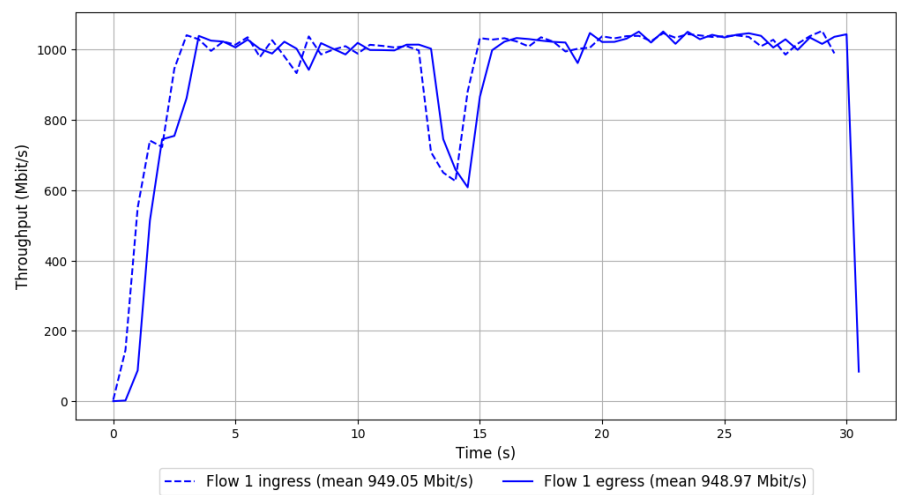


Run 3: Statistics of FillP

Start at: 2019-02-05 13:37:31
End at: 2019-02-05 13:38:01
Local clock offset: 0.018 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-02-05 15:44:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 948.97 Mbit/s
95th percentile per-packet one-way delay: 77.846 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 948.97 Mbit/s
95th percentile per-packet one-way delay: 77.846 ms
Loss rate: 0.01%

Run 3: Report of FillP — Data Link

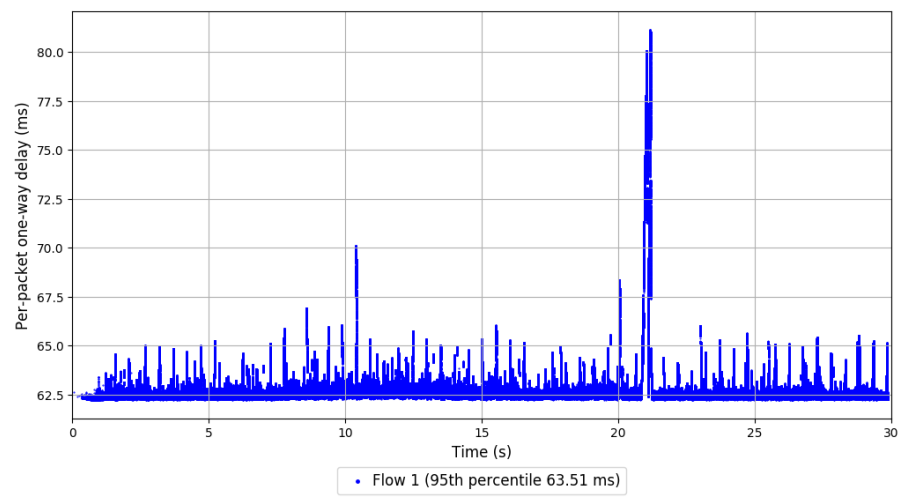
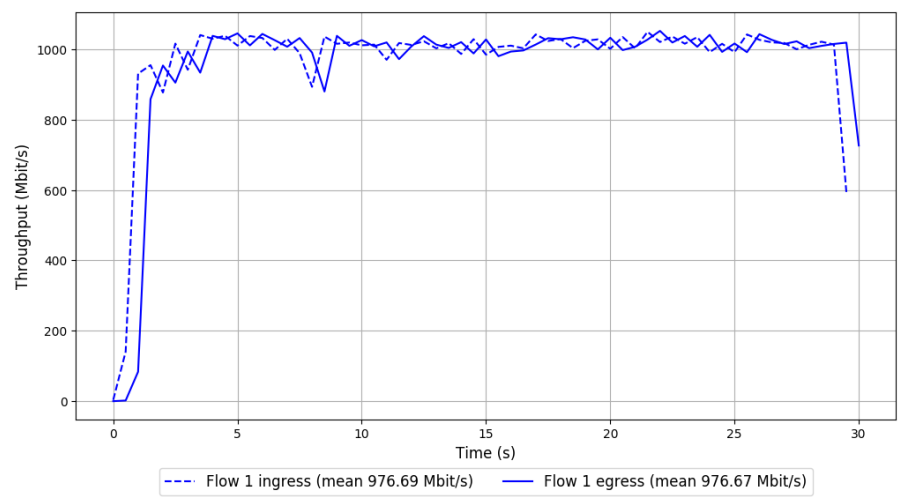


Run 4: Statistics of FillP

Start at: 2019-02-05 14:08:04
End at: 2019-02-05 14:08:34
Local clock offset: -0.163 ms
Remote clock offset: -0.634 ms

Below is generated by plot.py at 2019-02-05 15:45:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 976.67 Mbit/s
95th percentile per-packet one-way delay: 63.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 976.67 Mbit/s
95th percentile per-packet one-way delay: 63.511 ms
Loss rate: 0.00%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-05 14:39:10

End at: 2019-02-05 14:39:40

Local clock offset: -0.242 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2019-02-05 15:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 951.35 Mbit/s

95th percentile per-packet one-way delay: 114.354 ms

Loss rate: 0.41%

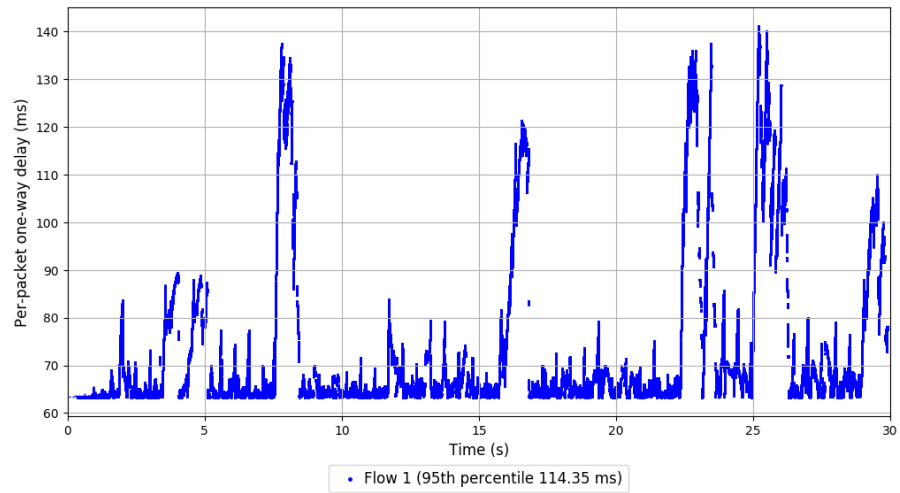
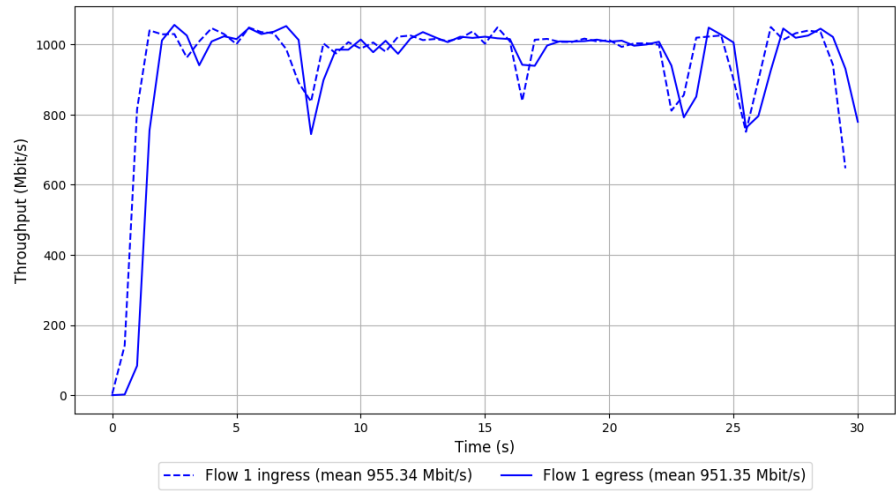
-- Flow 1:

Average throughput: 951.35 Mbit/s

95th percentile per-packet one-way delay: 114.354 ms

Loss rate: 0.41%

Run 5: Report of FillP — Data Link

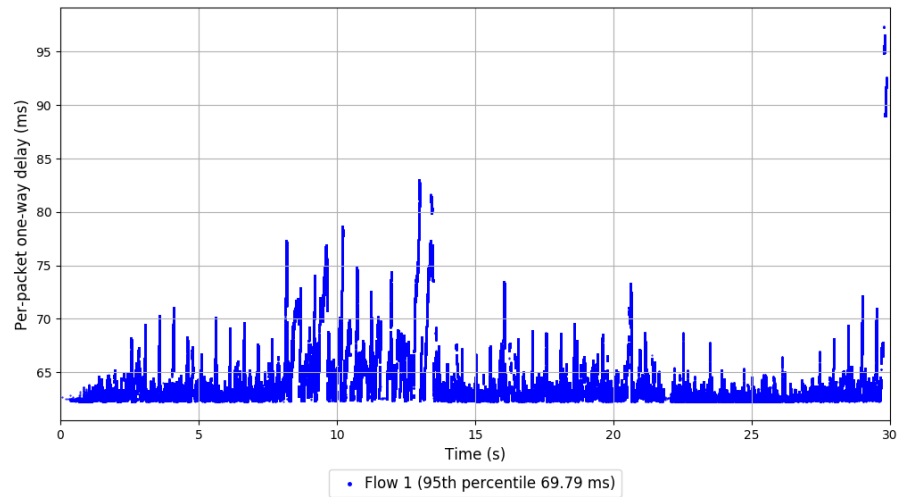
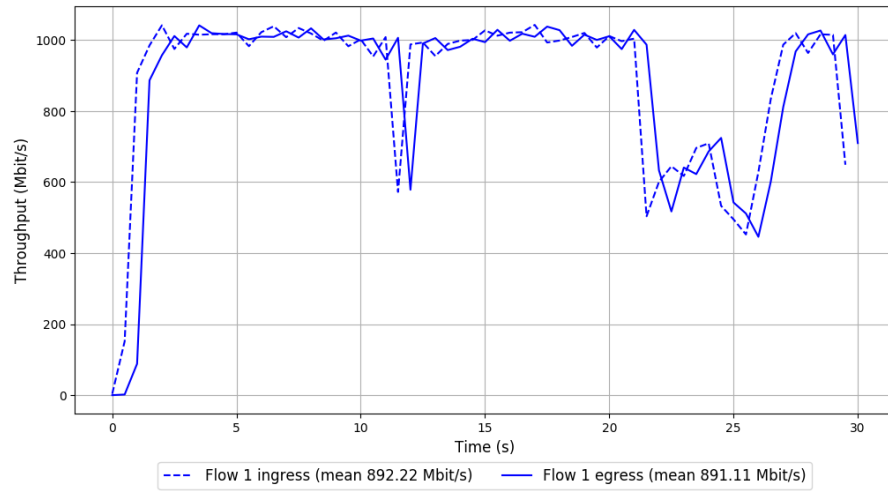


Run 1: Statistics of FillP-Sheep

Start at: 2019-02-05 12:46:28
End at: 2019-02-05 12:46:58
Local clock offset: -0.089 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2019-02-05 15:45:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 891.11 Mbit/s
95th percentile per-packet one-way delay: 69.793 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 891.11 Mbit/s
95th percentile per-packet one-way delay: 69.793 ms
Loss rate: 0.12%

Run 1: Report of FillP-Sheep — Data Link

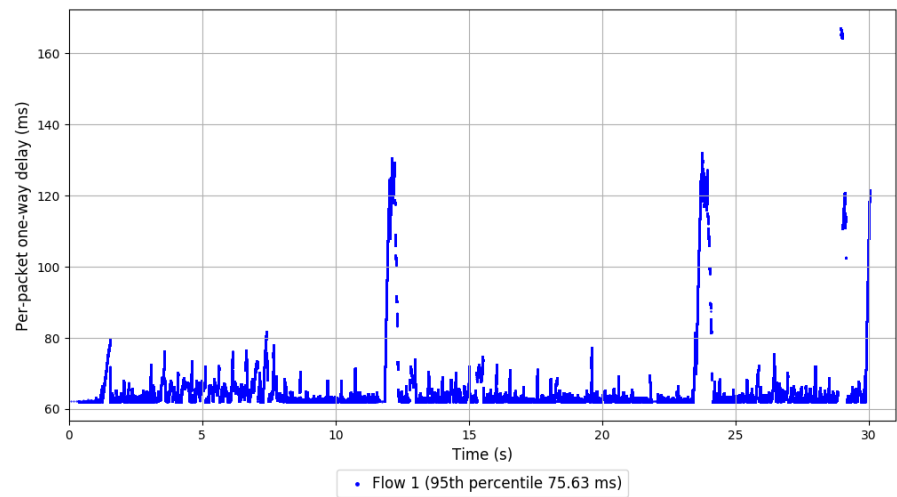
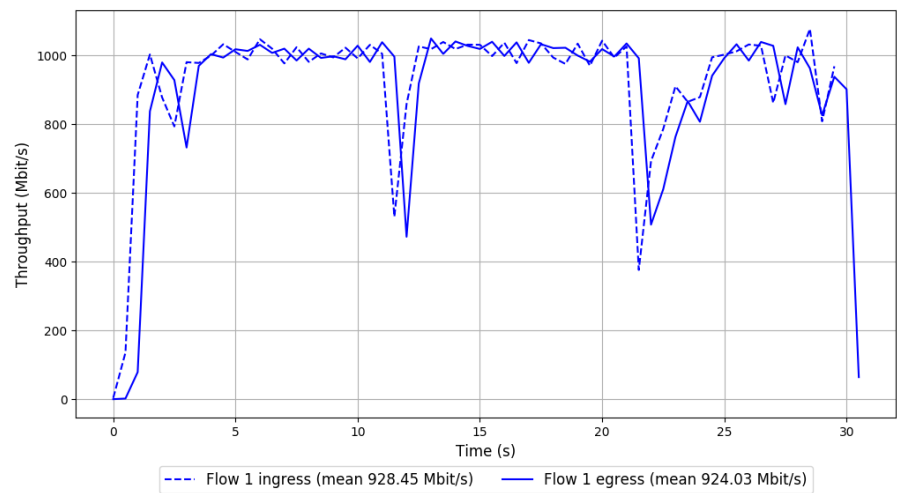


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-05 13:17:10
End at: 2019-02-05 13:17:40
Local clock offset: 0.016 ms
Remote clock offset: -1.135 ms

Below is generated by plot.py at 2019-02-05 15:46:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 924.03 Mbit/s
95th percentile per-packet one-way delay: 75.627 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 924.03 Mbit/s
95th percentile per-packet one-way delay: 75.627 ms
Loss rate: 0.47%

Run 2: Report of FillP-Sheep — Data Link

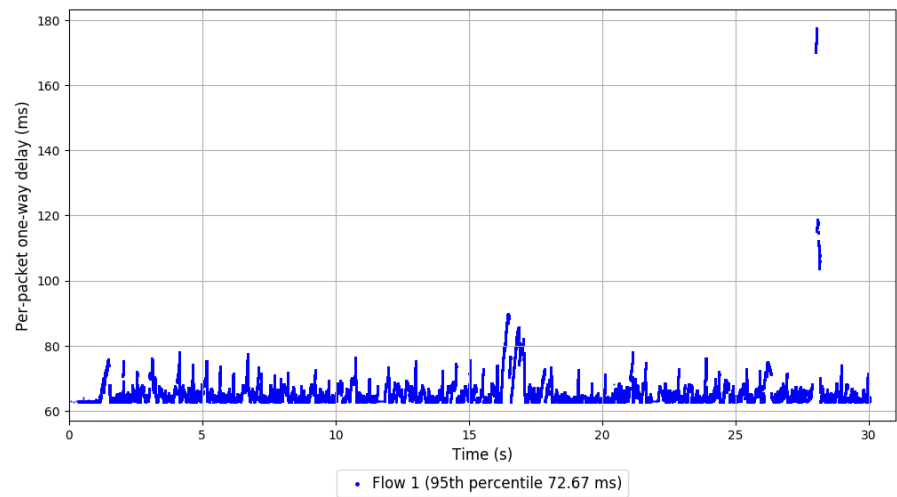
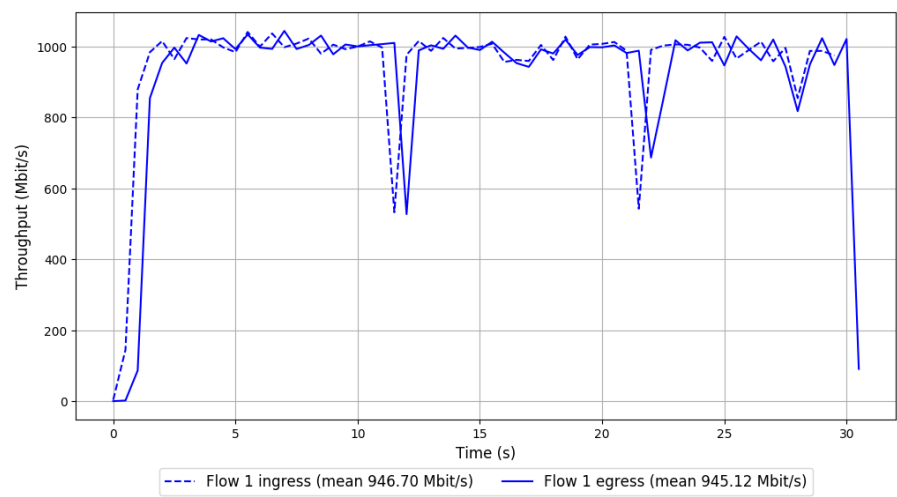


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-05 13:48:01
End at: 2019-02-05 13:48:31
Local clock offset: 0.013 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-02-05 15:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 945.12 Mbit/s
95th percentile per-packet one-way delay: 72.666 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 945.12 Mbit/s
95th percentile per-packet one-way delay: 72.666 ms
Loss rate: 0.17%

Run 3: Report of FillP-Sheep — Data Link

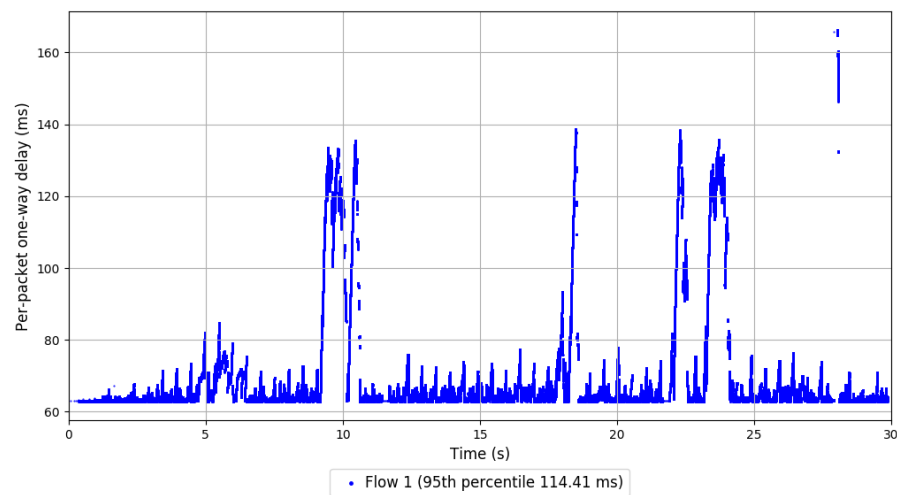
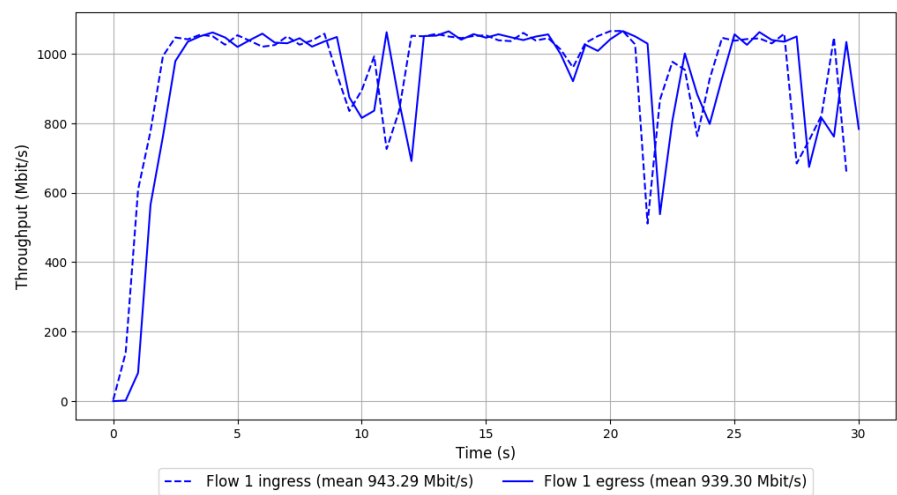


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-05 14:18:47
End at: 2019-02-05 14:19:17
Local clock offset: -0.163 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2019-02-05 16:02:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 939.30 Mbit/s
95th percentile per-packet one-way delay: 114.412 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 939.30 Mbit/s
95th percentile per-packet one-way delay: 114.412 ms
Loss rate: 0.42%

Run 4: Report of FillP-Sheep — Data Link

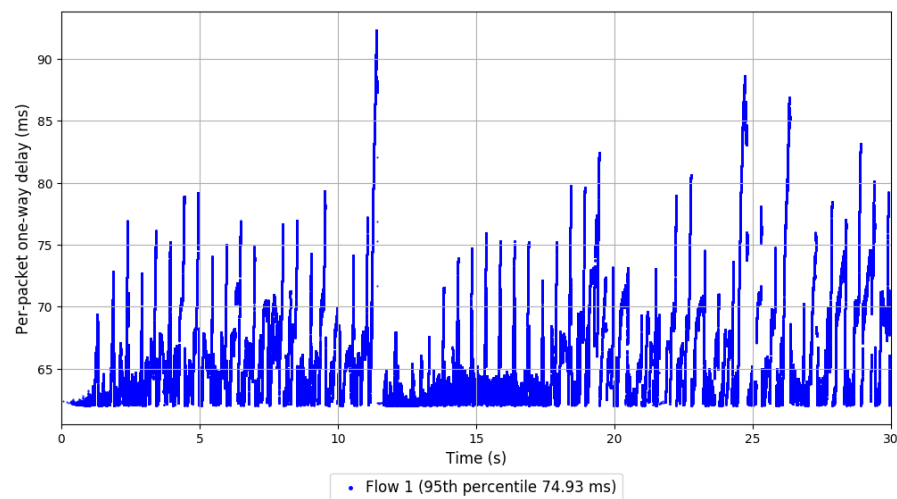
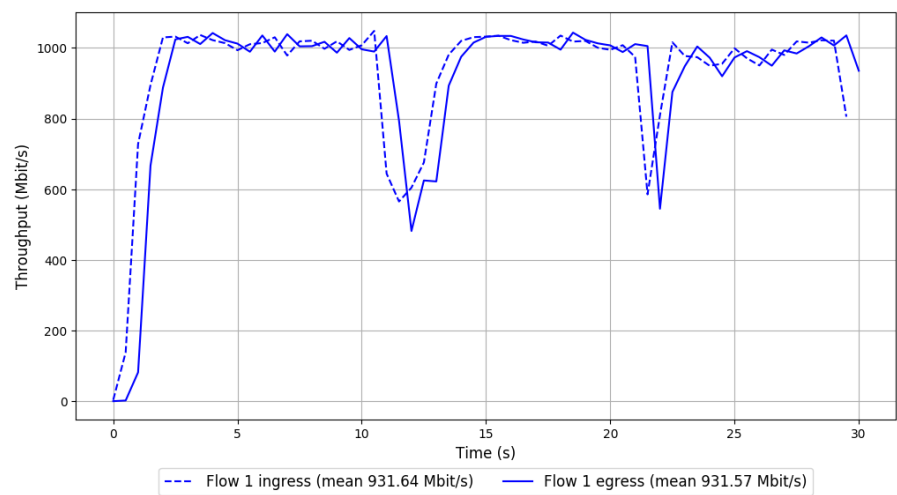


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-05 14:49:49
End at: 2019-02-05 14:50:19
Local clock offset: -0.292 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 931.57 Mbit/s
95th percentile per-packet one-way delay: 74.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 931.57 Mbit/s
95th percentile per-packet one-way delay: 74.932 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

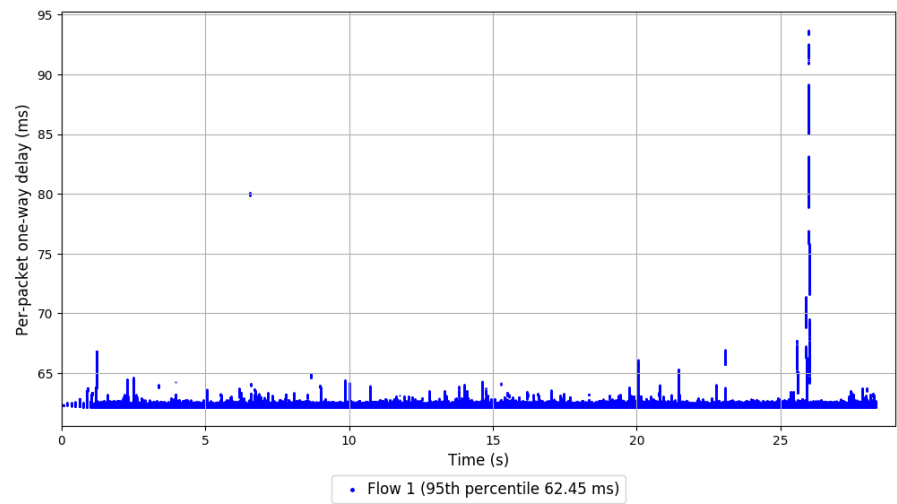
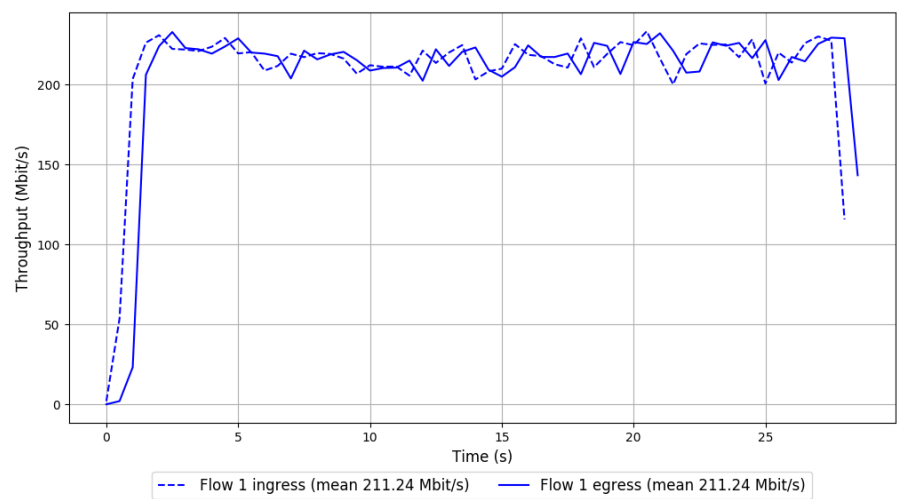


Run 1: Statistics of Indigo

Start at: 2019-02-05 12:27:59
End at: 2019-02-05 12:28:29
Local clock offset: -0.122 ms
Remote clock offset: -0.609 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.24 Mbit/s
95th percentile per-packet one-way delay: 62.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.24 Mbit/s
95th percentile per-packet one-way delay: 62.449 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

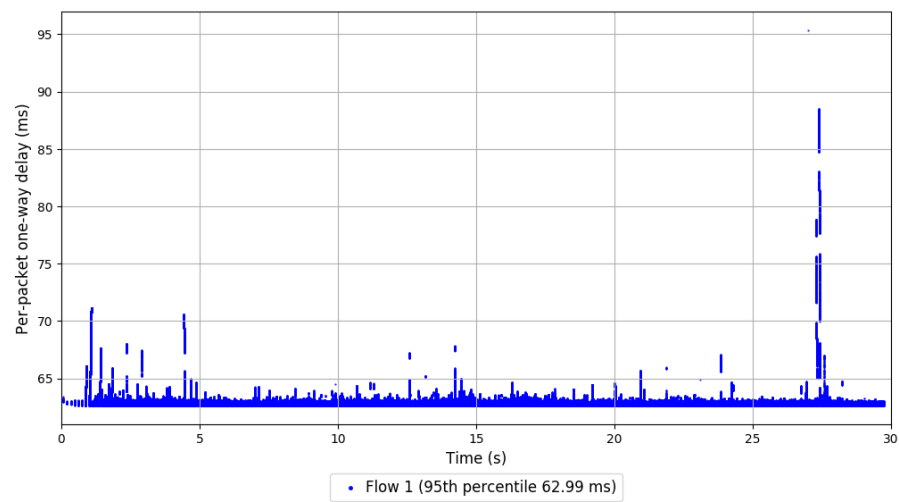
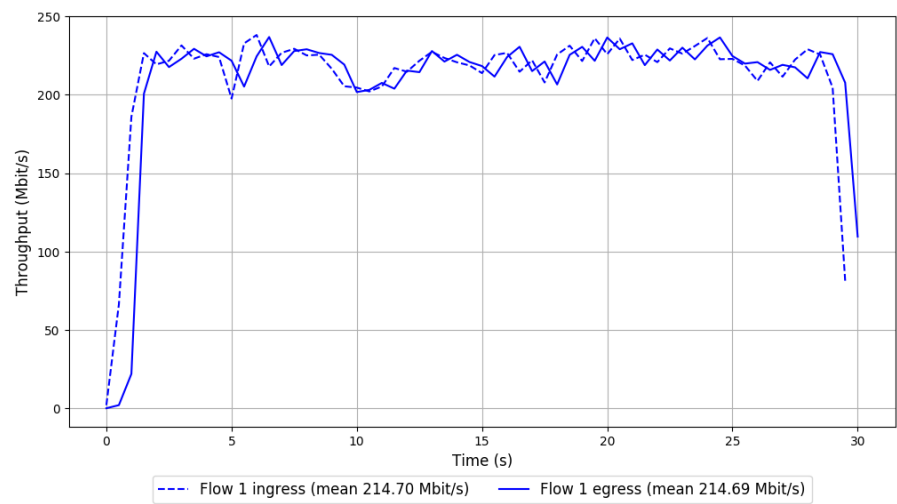


Run 2: Statistics of Indigo

Start at: 2019-02-05 12:58:46
End at: 2019-02-05 12:59:16
Local clock offset: -0.02 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.69 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 214.69 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-05 13:29:43

End at: 2019-02-05 13:30:13

Local clock offset: 0.008 ms

Remote clock offset: -0.639 ms

Below is generated by plot.py at 2019-02-05 16:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 62.441 ms

Loss rate: 0.00%

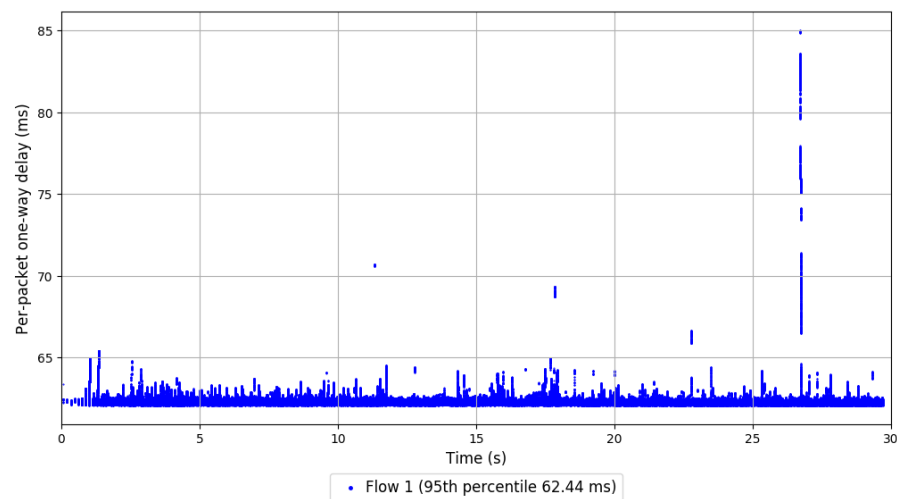
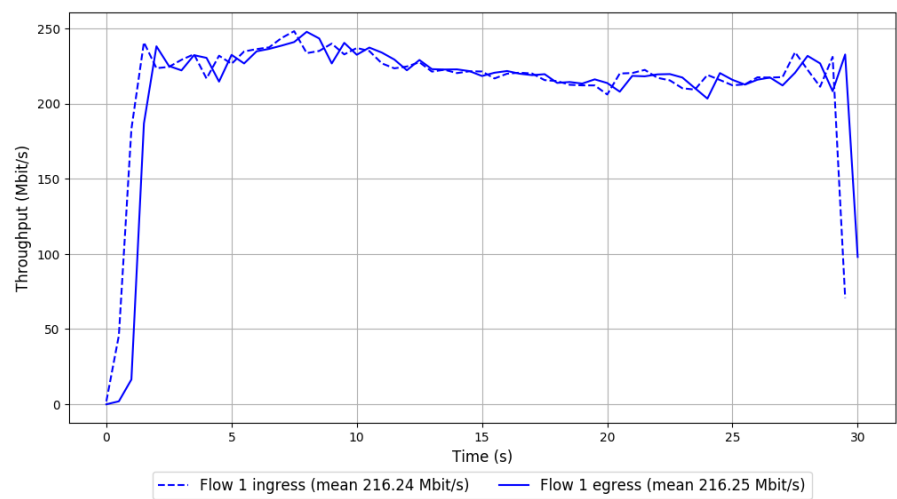
-- Flow 1:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 62.441 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

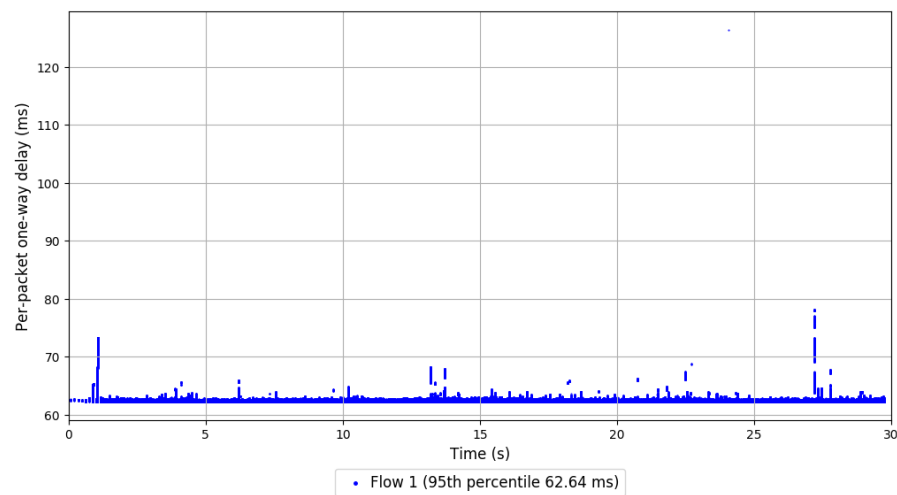
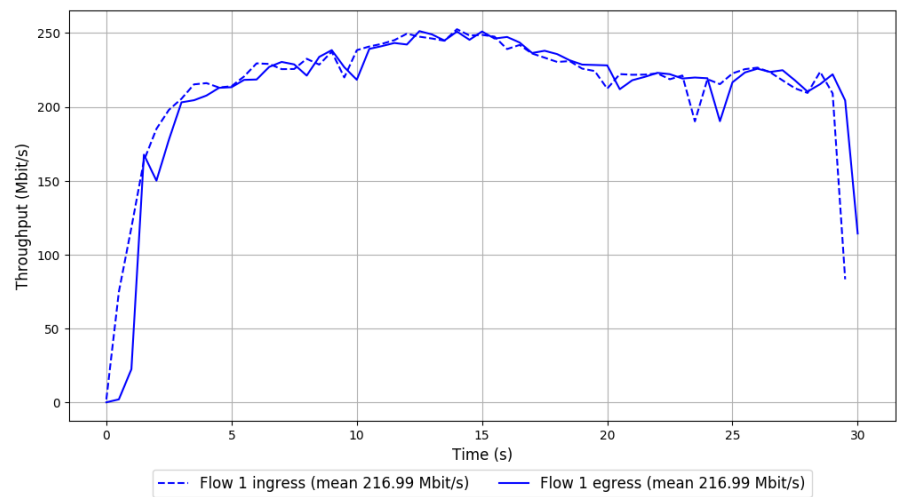


Run 4: Statistics of Indigo

Start at: 2019-02-05 14:00:13
End at: 2019-02-05 14:00:43
Local clock offset: -0.071 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.99 Mbit/s
95th percentile per-packet one-way delay: 62.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.99 Mbit/s
95th percentile per-packet one-way delay: 62.638 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-05 14:31:18

End at: 2019-02-05 14:31:48

Local clock offset: -0.209 ms

Remote clock offset: -1.3 ms

Below is generated by plot.py at 2019-02-05 16:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.08 Mbit/s

95th percentile per-packet one-way delay: 62.154 ms

Loss rate: 0.00%

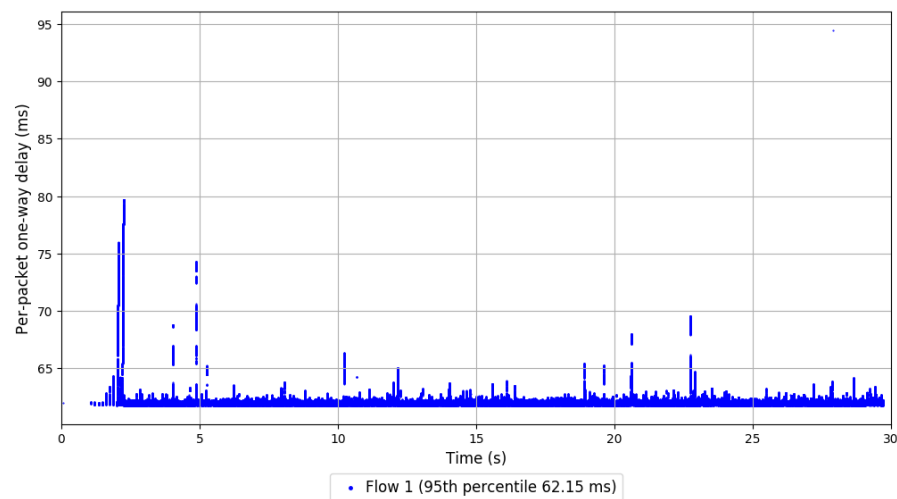
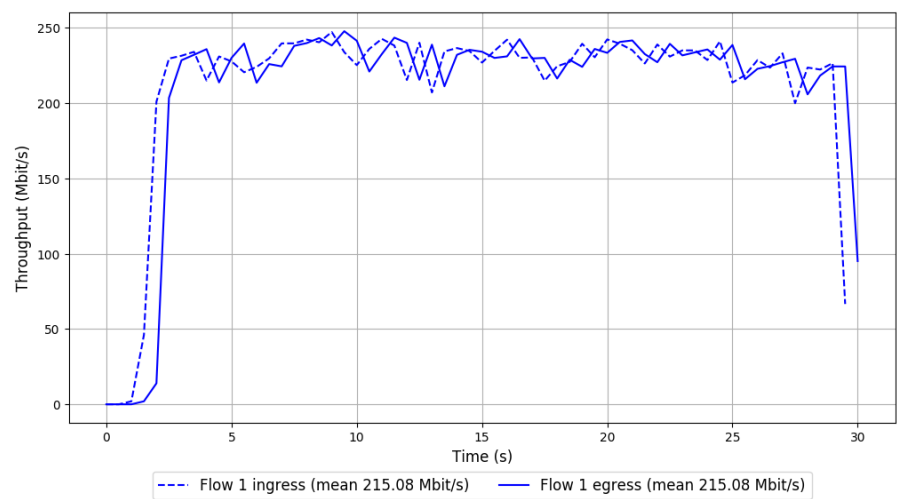
-- Flow 1:

Average throughput: 215.08 Mbit/s

95th percentile per-packet one-way delay: 62.154 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

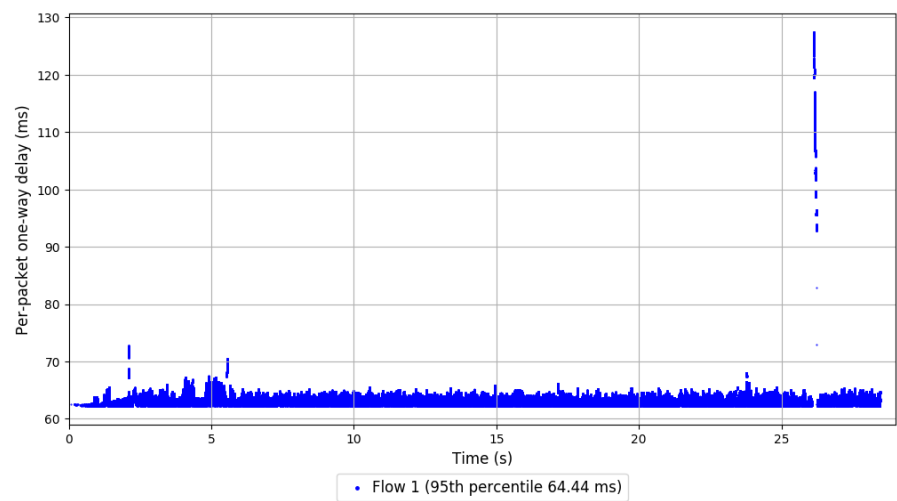
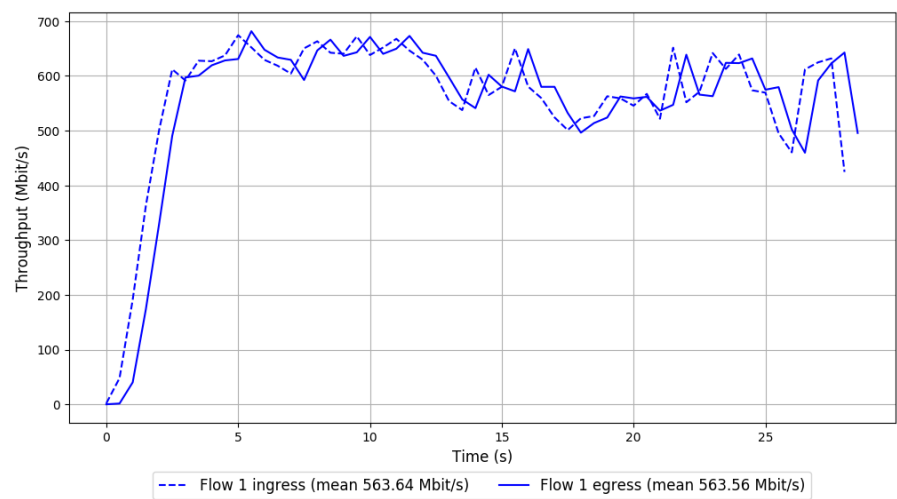


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-05 12:23:21
End at: 2019-02-05 12:23:51
Local clock offset: -0.115 ms
Remote clock offset: -0.872 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 563.56 Mbit/s
95th percentile per-packet one-way delay: 64.435 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 563.56 Mbit/s
95th percentile per-packet one-way delay: 64.435 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-05 12:54:10

End at: 2019-02-05 12:54:40

Local clock offset: -0.029 ms

Remote clock offset: 0.669 ms

Below is generated by plot.py at 2019-02-05 16:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.36 Mbit/s

95th percentile per-packet one-way delay: 65.661 ms

Loss rate: 0.00%

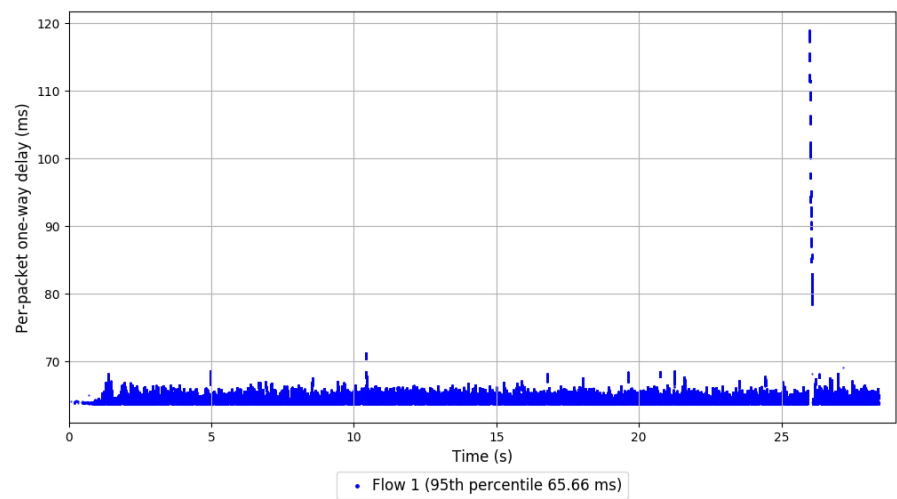
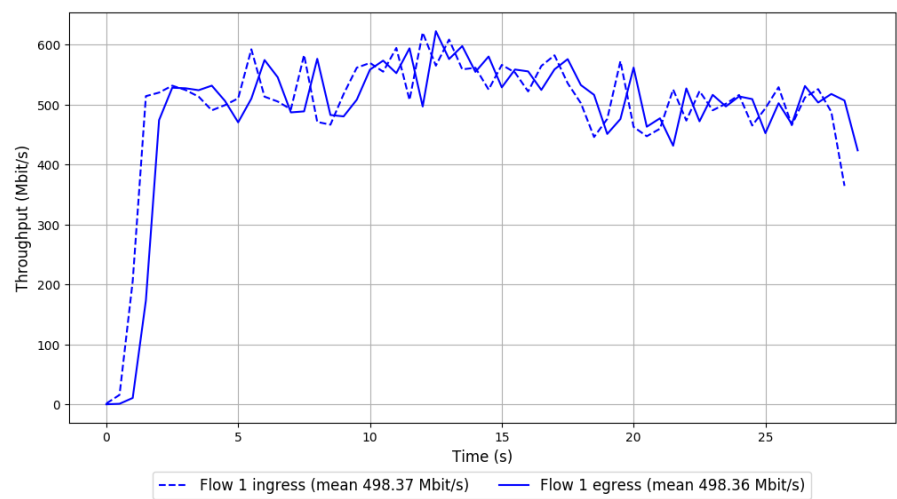
-- Flow 1:

Average throughput: 498.36 Mbit/s

95th percentile per-packet one-way delay: 65.661 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

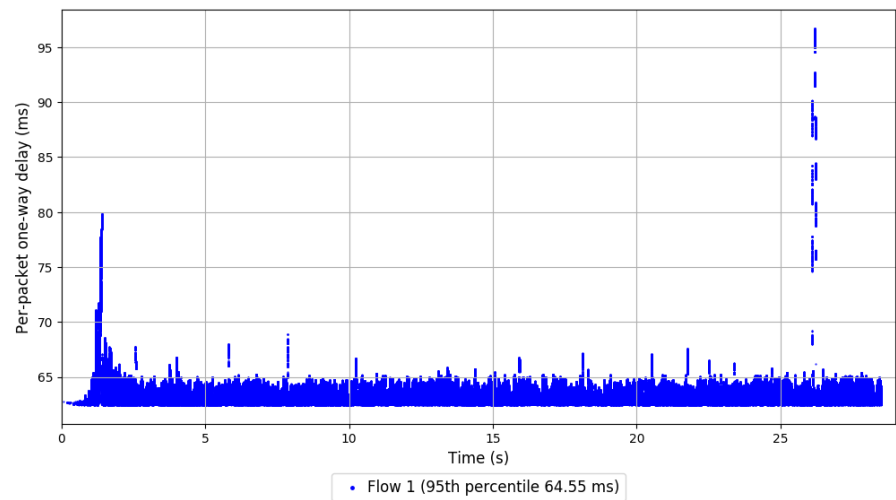
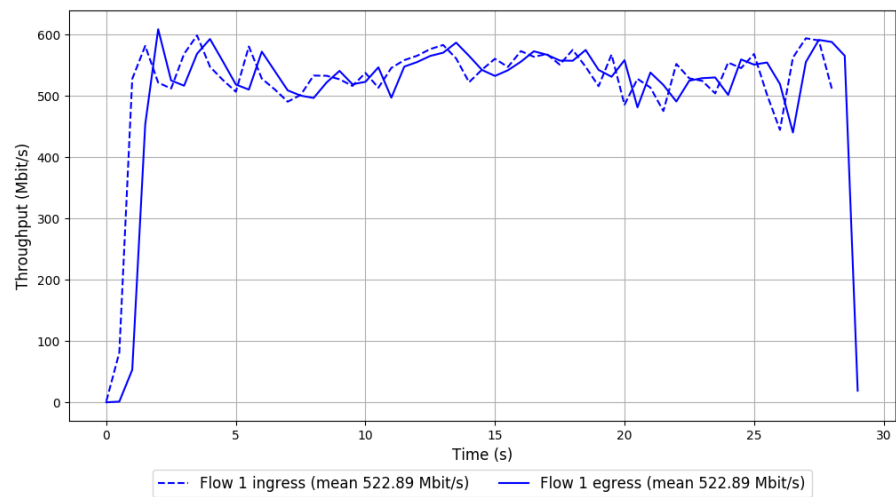


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:24:59
End at: 2019-02-05 13:25:29
Local clock offset: 0.008 ms
Remote clock offset: -0.616 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 522.89 Mbit/s
95th percentile per-packet one-way delay: 64.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 522.89 Mbit/s
95th percentile per-packet one-way delay: 64.554 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

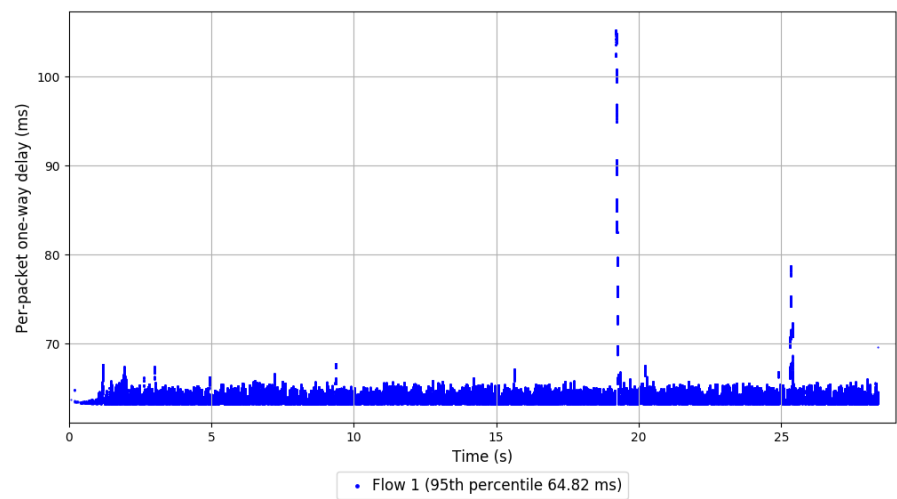
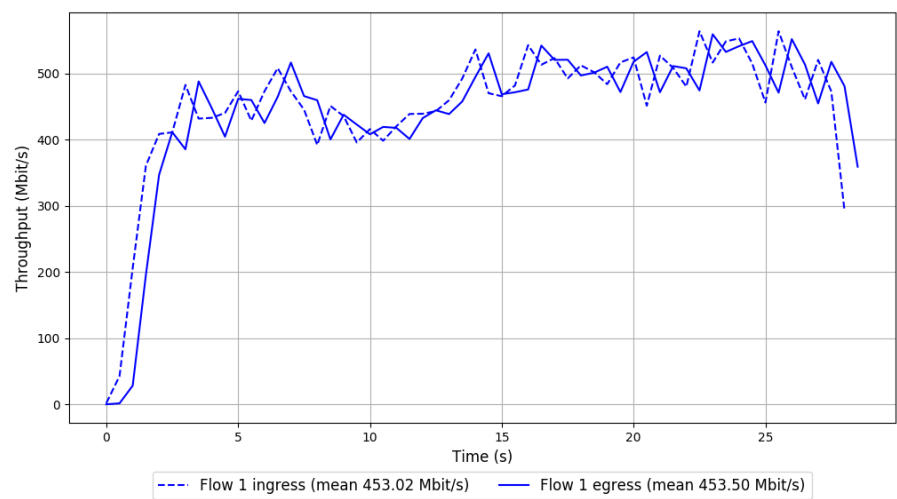


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:55:38
End at: 2019-02-05 13:56:08
Local clock offset: -0.009 ms
Remote clock offset: 0.321 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 453.50 Mbit/s
95th percentile per-packet one-way delay: 64.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 453.50 Mbit/s
95th percentile per-packet one-way delay: 64.824 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

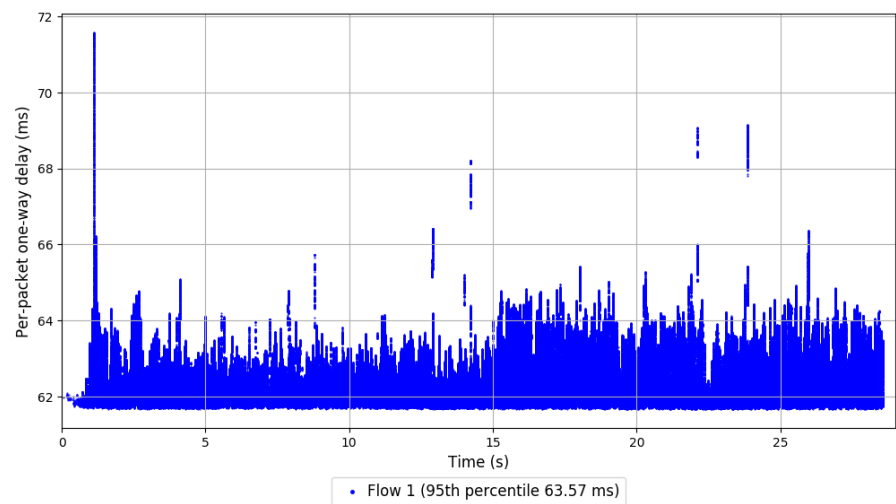
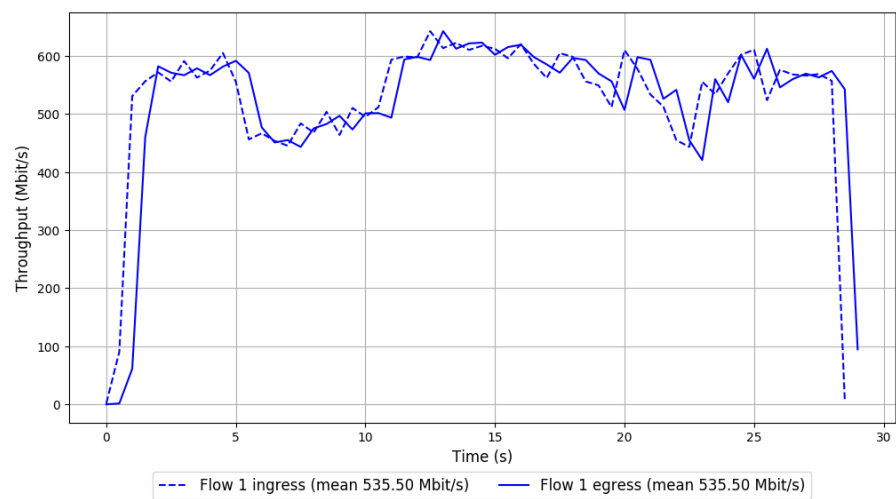


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:26:37
End at: 2019-02-05 14:27:07
Local clock offset: -0.185 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2019-02-05 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 535.50 Mbit/s
95th percentile per-packet one-way delay: 63.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 535.50 Mbit/s
95th percentile per-packet one-way delay: 63.568 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

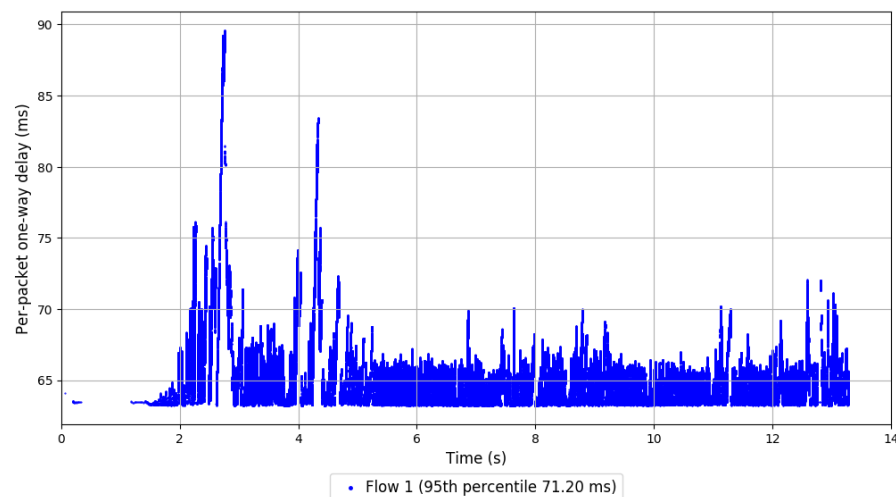
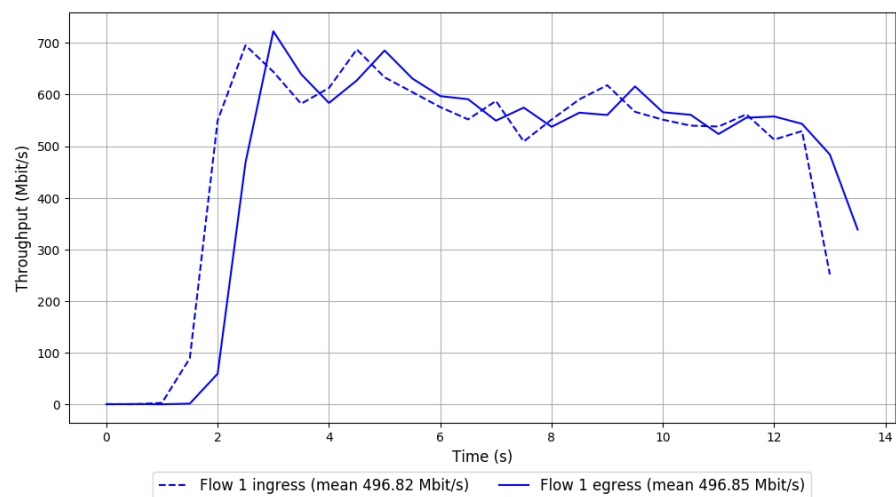
Start at: 2019-02-05 12:18:51

End at: 2019-02-05 12:19:21

Local clock offset: -0.135 ms

Remote clock offset: 0.112 ms

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-05 12:49:25

End at: 2019-02-05 12:49:55

Local clock offset: -0.031 ms

Remote clock offset: -0.84 ms

Below is generated by plot.py at 2019-02-05 16:10:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 562.52 Mbit/s

95th percentile per-packet one-way delay: 67.183 ms

Loss rate: 0.00%

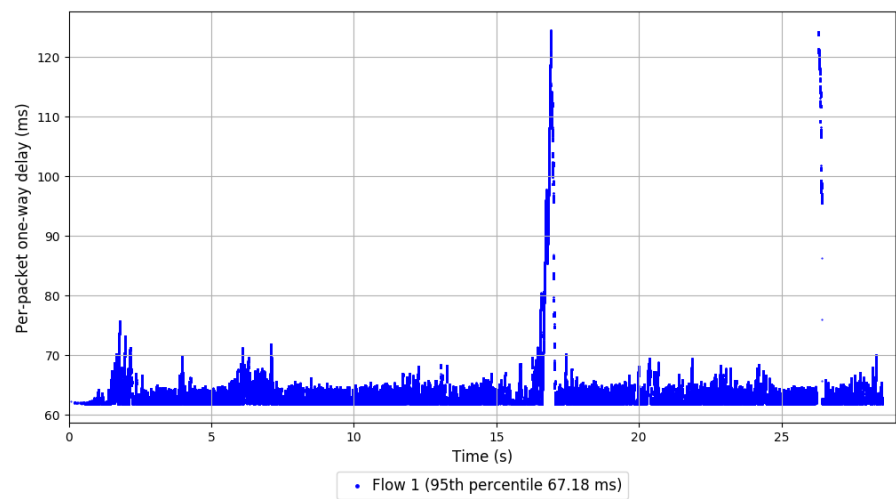
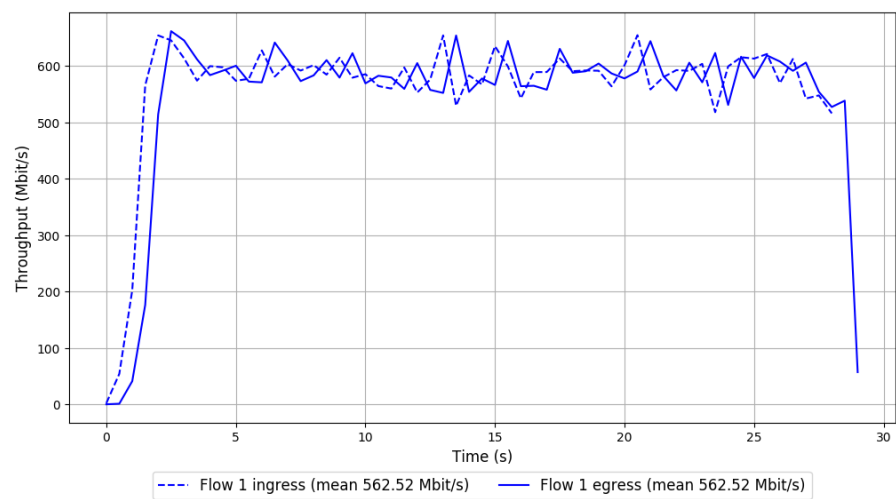
-- Flow 1:

Average throughput: 562.52 Mbit/s

95th percentile per-packet one-way delay: 67.183 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

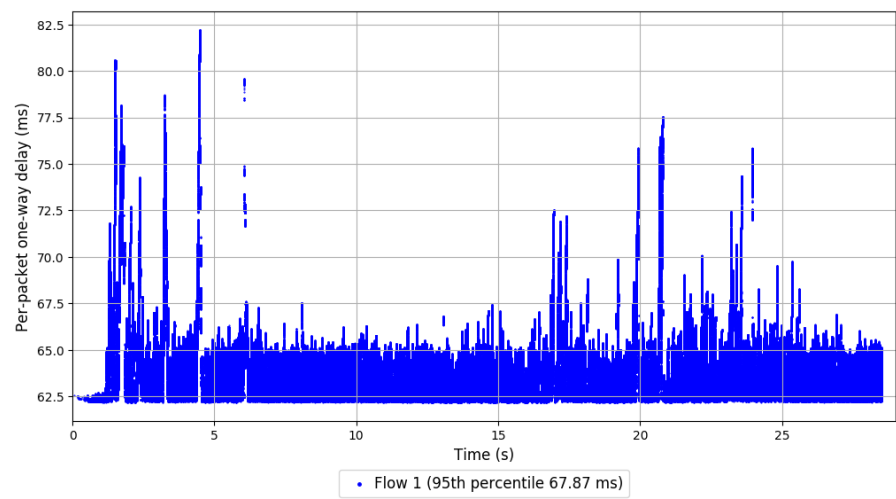
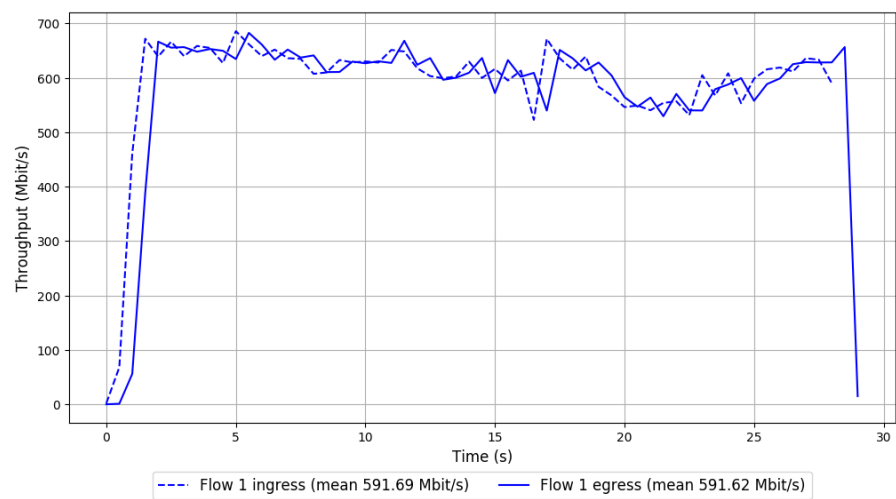


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:20:07
End at: 2019-02-05 13:20:37
Local clock offset: -0.007 ms
Remote clock offset: -0.756 ms

Below is generated by plot.py at 2019-02-05 16:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 591.62 Mbit/s
95th percentile per-packet one-way delay: 67.872 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 591.62 Mbit/s
95th percentile per-packet one-way delay: 67.872 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link

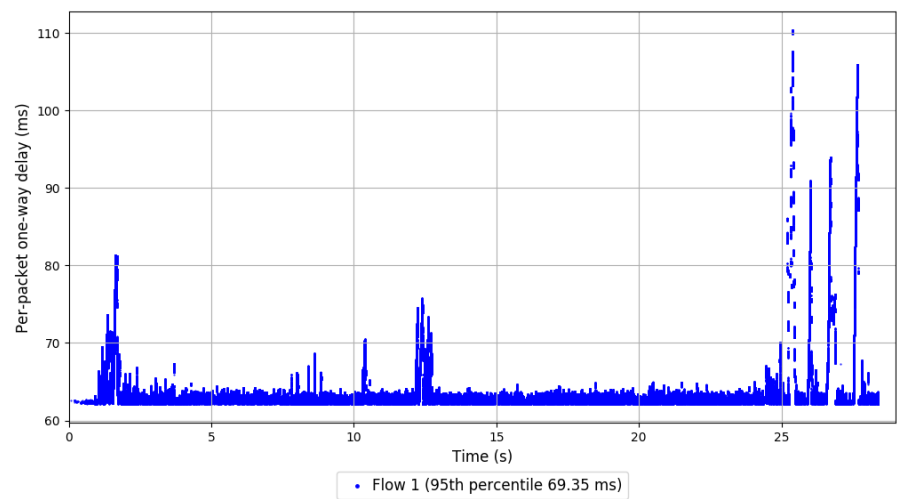
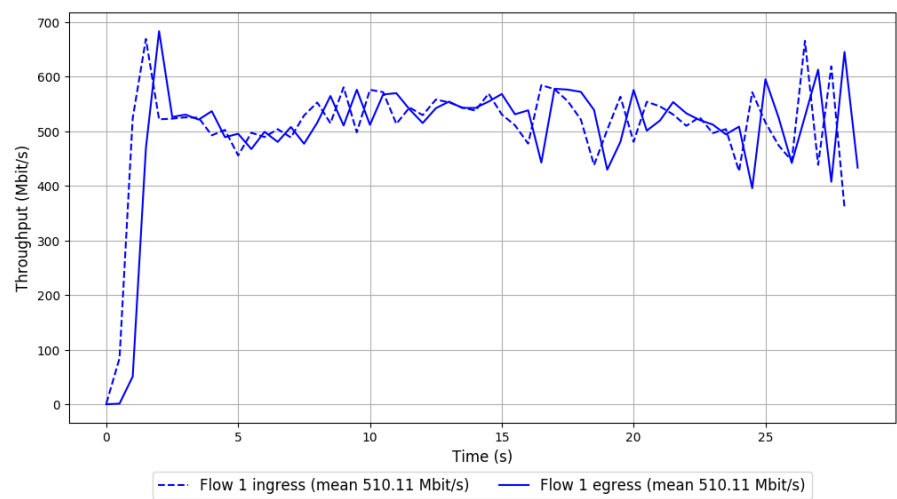


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:50:59
End at: 2019-02-05 13:51:29
Local clock offset: 0.004 ms
Remote clock offset: -0.744 ms

Below is generated by plot.py at 2019-02-05 16:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 510.11 Mbit/s
95th percentile per-packet one-way delay: 69.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 510.11 Mbit/s
95th percentile per-packet one-way delay: 69.352 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

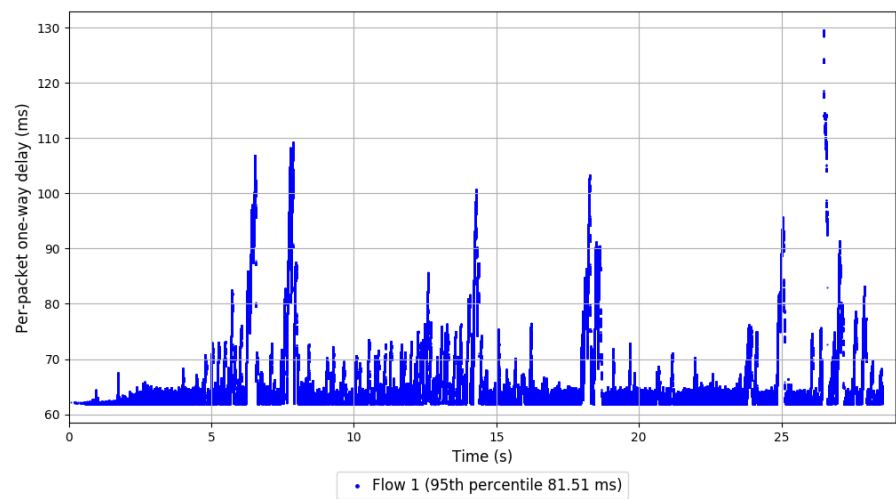
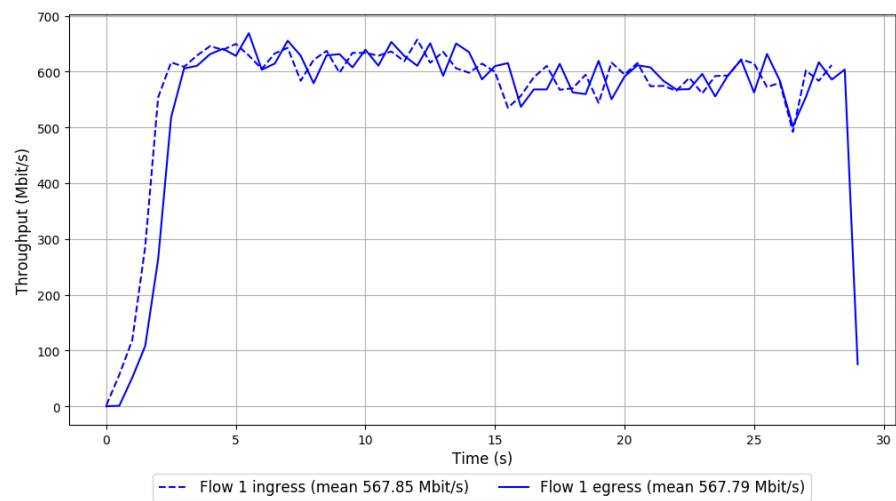


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:21:46
End at: 2019-02-05 14:22:16
Local clock offset: -0.183 ms
Remote clock offset: -1.234 ms

Below is generated by plot.py at 2019-02-05 16:12:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 567.79 Mbit/s
95th percentile per-packet one-way delay: 81.509 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 567.79 Mbit/s
95th percentile per-packet one-way delay: 81.509 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-05 12:40:14

End at: 2019-02-05 12:40:44

Local clock offset: -0.102 ms

Remote clock offset: -0.333 ms

Below is generated by plot.py at 2019-02-05 16:12:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.22 Mbit/s

95th percentile per-packet one-way delay: 64.681 ms

Loss rate: 0.00%

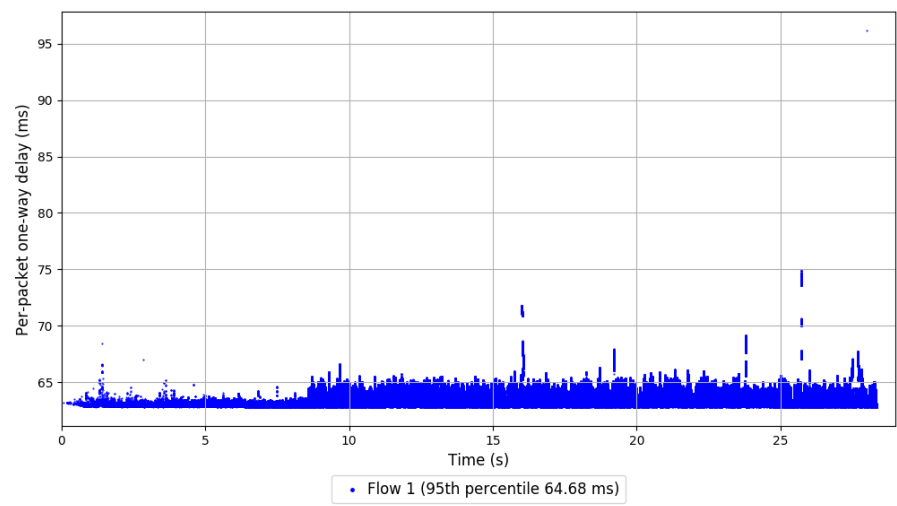
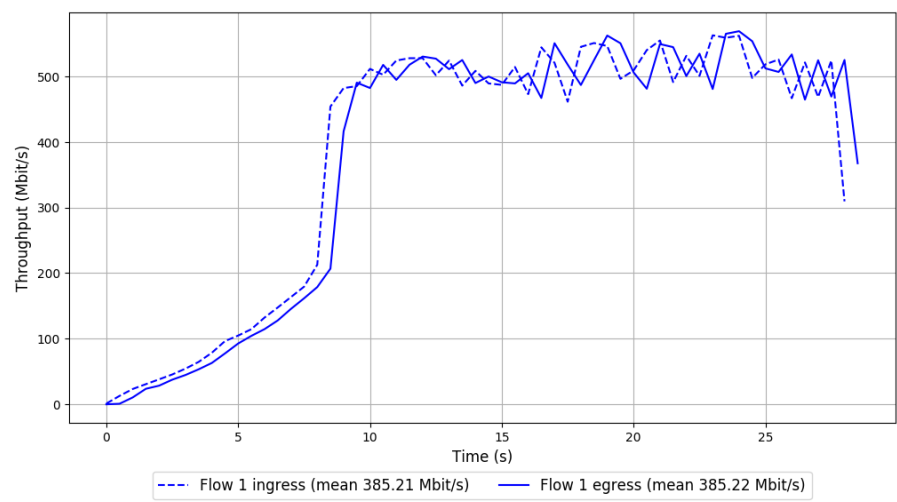
-- Flow 1:

Average throughput: 385.22 Mbit/s

95th percentile per-packet one-way delay: 64.681 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:10:57

End at: 2019-02-05 13:11:27

Local clock offset: -0.02 ms

Remote clock offset: -0.64 ms

Below is generated by plot.py at 2019-02-05 16:12:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.36 Mbit/s

95th percentile per-packet one-way delay: 64.612 ms

Loss rate: 0.02%

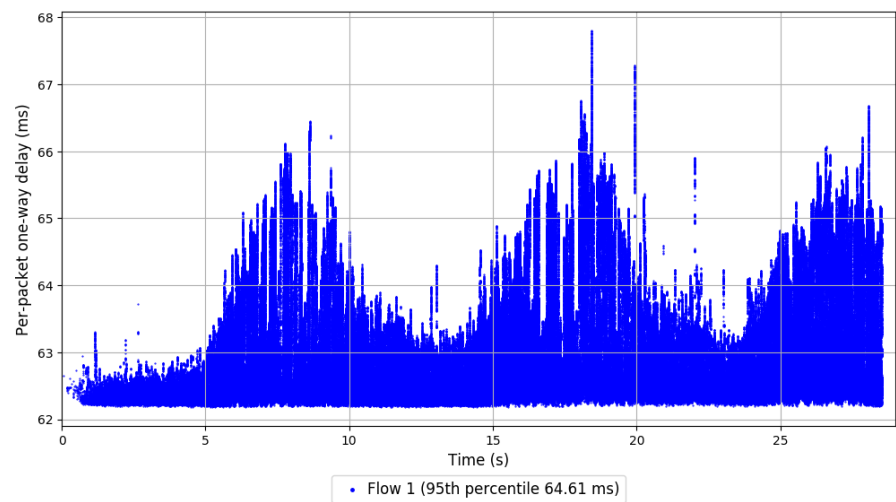
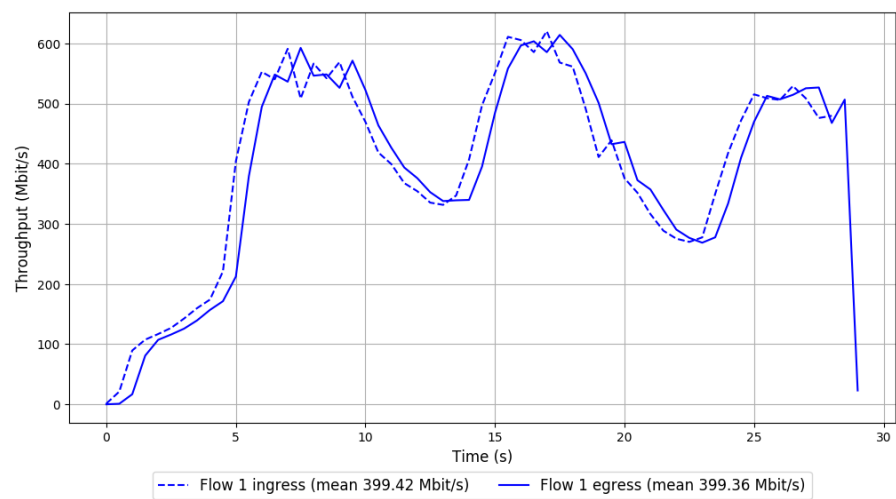
-- Flow 1:

Average throughput: 399.36 Mbit/s

95th percentile per-packet one-way delay: 64.612 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesD — Data Link

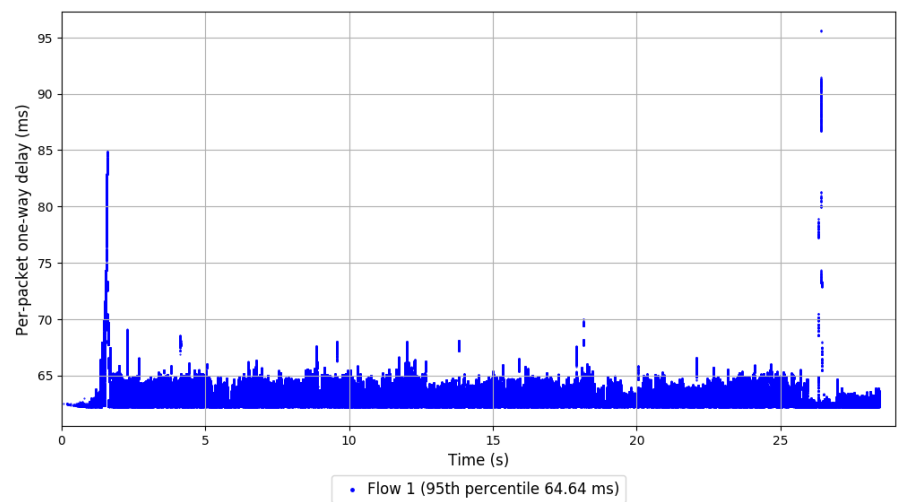
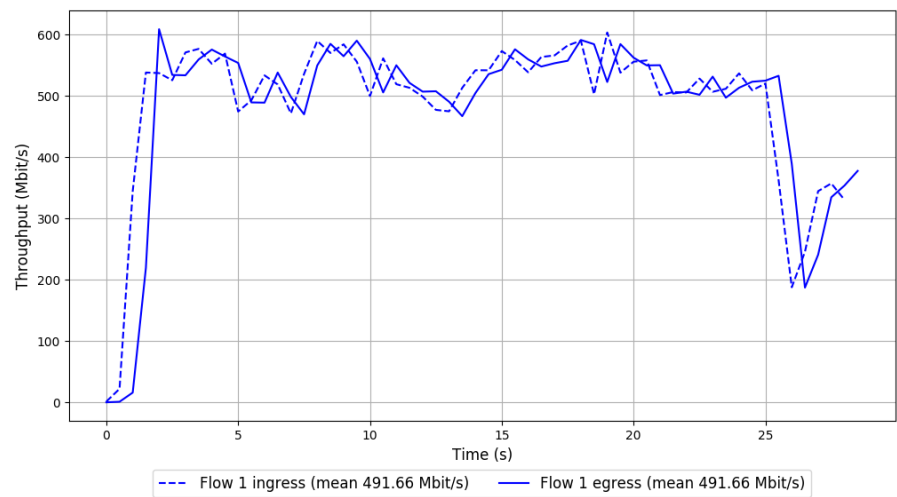


Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:41:51
End at: 2019-02-05 13:42:21
Local clock offset: 0.011 ms
Remote clock offset: -0.763 ms

Below is generated by plot.py at 2019-02-05 16:13:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 491.66 Mbit/s
95th percentile per-packet one-way delay: 64.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 491.66 Mbit/s
95th percentile per-packet one-way delay: 64.637 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:12:30

End at: 2019-02-05 14:13:00

Local clock offset: -0.185 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2019-02-05 16:18:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.57 Mbit/s

95th percentile per-packet one-way delay: 70.481 ms

Loss rate: 0.00%

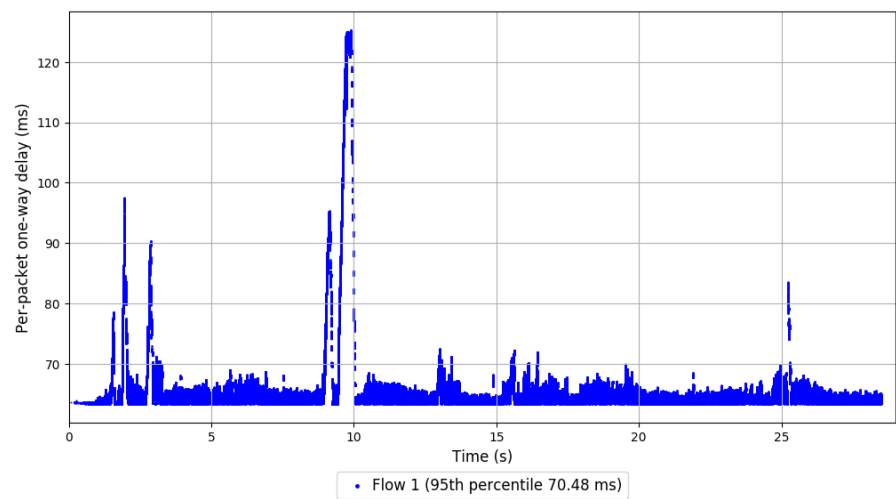
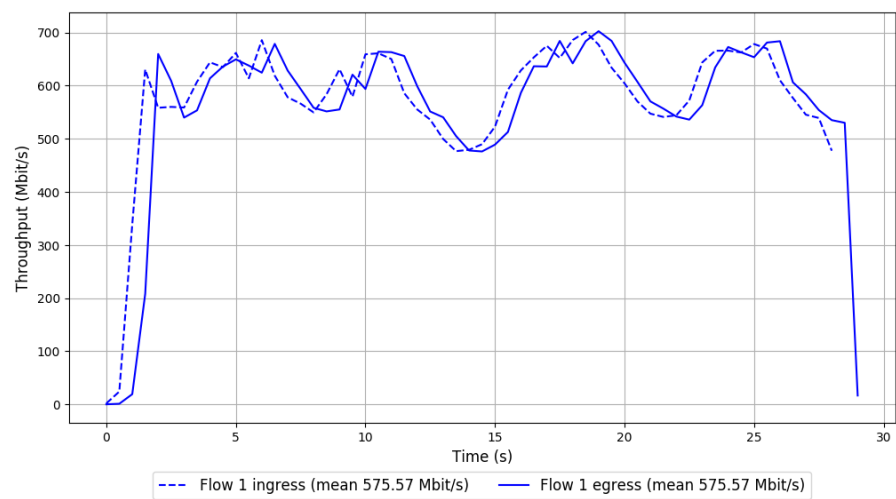
-- Flow 1:

Average throughput: 575.57 Mbit/s

95th percentile per-packet one-way delay: 70.481 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:43:31

End at: 2019-02-05 14:44:01

Local clock offset: -0.276 ms

Remote clock offset: 0.733 ms

Below is generated by plot.py at 2019-02-05 16:20:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.68 Mbit/s

95th percentile per-packet one-way delay: 66.097 ms

Loss rate: 0.00%

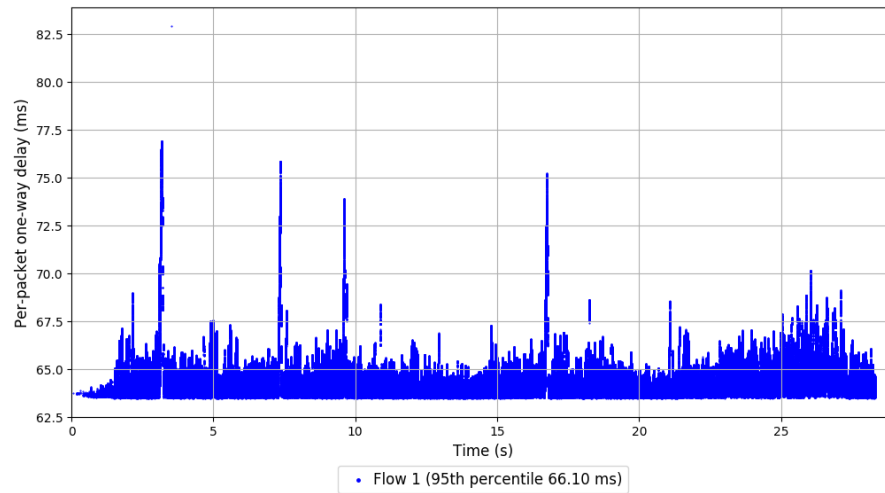
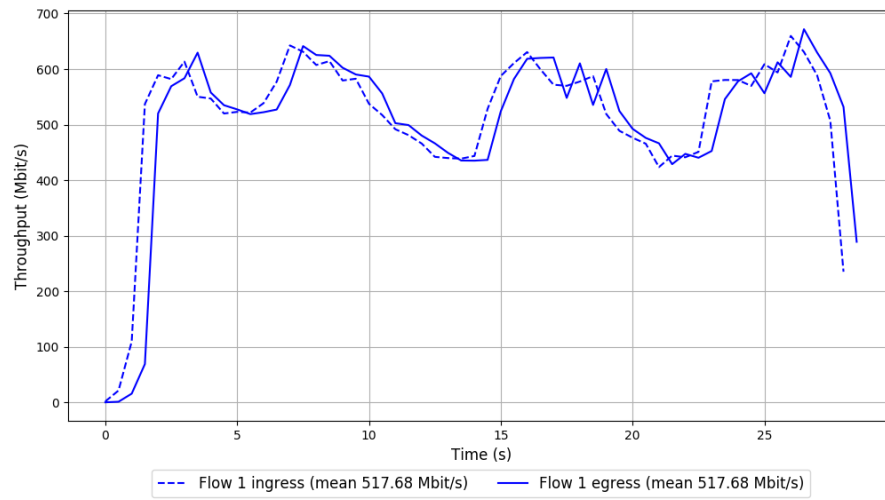
-- Flow 1:

Average throughput: 517.68 Mbit/s

95th percentile per-packet one-way delay: 66.097 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-05 12:21:45

End at: 2019-02-05 12:22:15

Local clock offset: -0.107 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2019-02-05 16:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 595.30 Mbit/s

95th percentile per-packet one-way delay: 67.331 ms

Loss rate: 0.00%

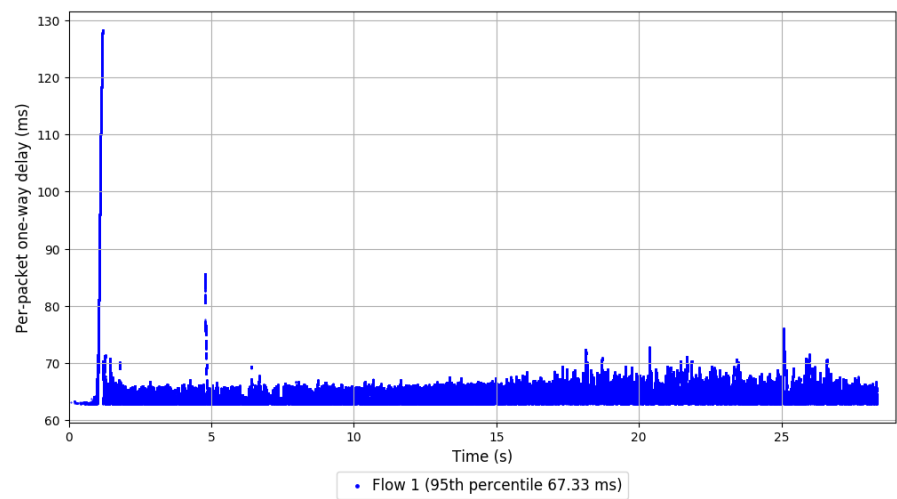
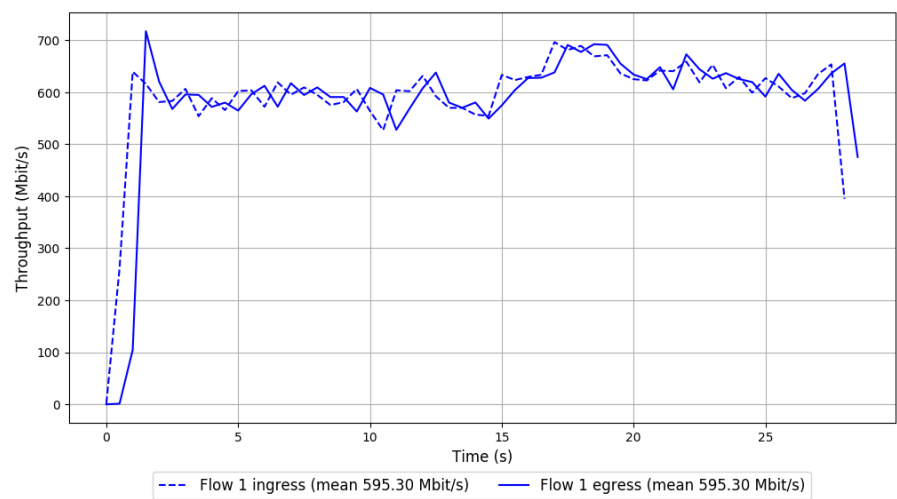
-- Flow 1:

Average throughput: 595.30 Mbit/s

95th percentile per-packet one-way delay: 67.331 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-05 12:52:36

End at: 2019-02-05 12:53:06

Local clock offset: -0.021 ms

Remote clock offset: -0.914 ms

Below is generated by plot.py at 2019-02-05 16:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.99 Mbit/s

95th percentile per-packet one-way delay: 65.714 ms

Loss rate: 0.00%

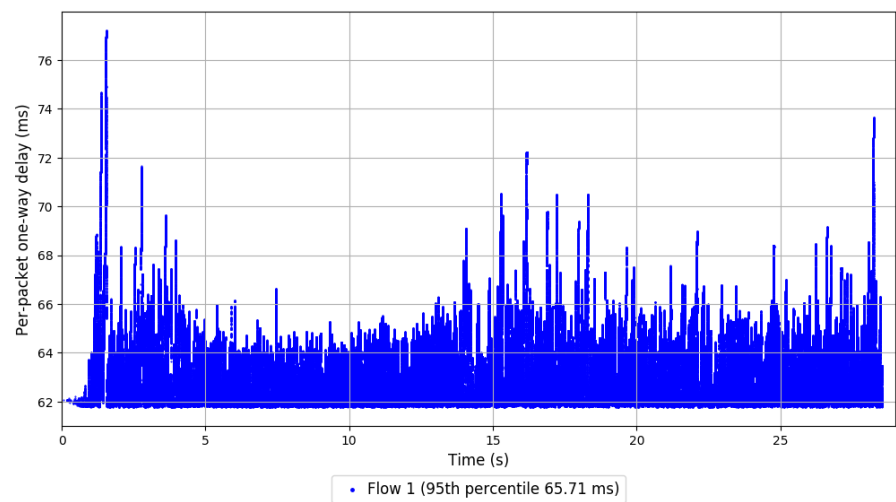
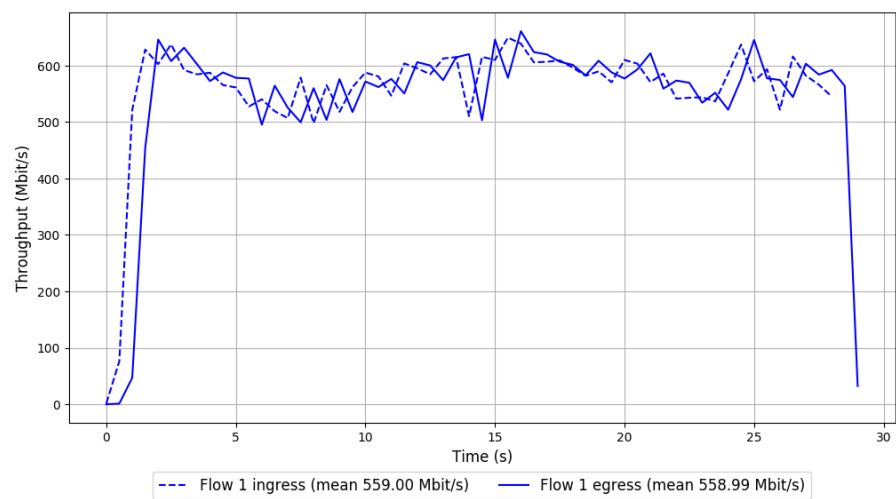
-- Flow 1:

Average throughput: 558.99 Mbit/s

95th percentile per-packet one-way delay: 65.714 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:23:23

End at: 2019-02-05 13:23:53

Local clock offset: 0.014 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-02-05 16:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.59 Mbit/s

95th percentile per-packet one-way delay: 67.709 ms

Loss rate: 0.00%

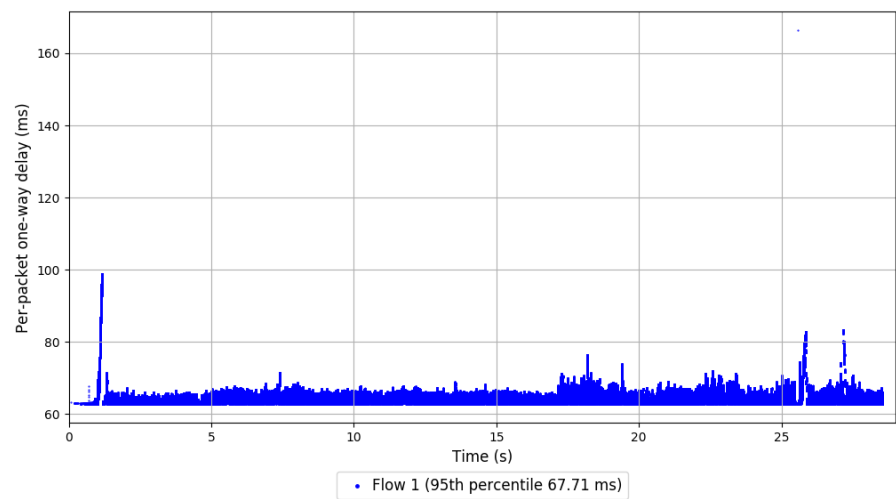
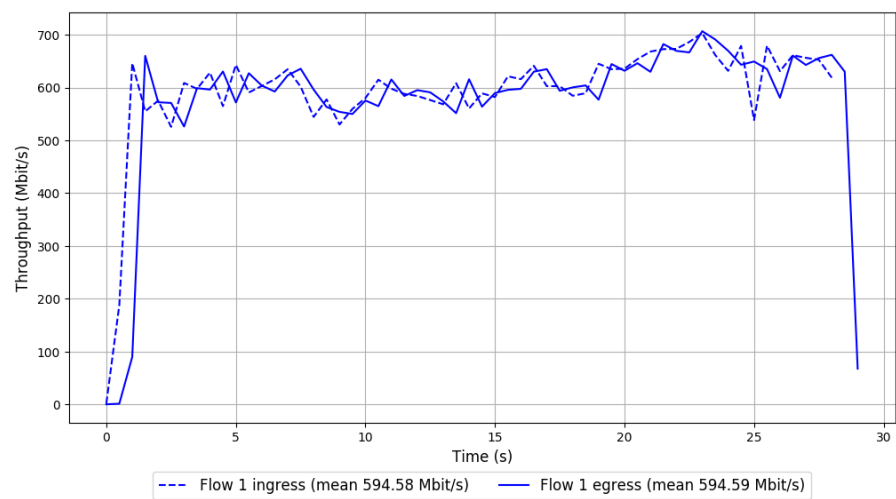
-- Flow 1:

Average throughput: 594.59 Mbit/s

95th percentile per-packet one-way delay: 67.709 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:54:07

End at: 2019-02-05 13:54:37

Local clock offset: 0.023 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2019-02-05 16:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.20 Mbit/s

95th percentile per-packet one-way delay: 66.113 ms

Loss rate: 0.01%

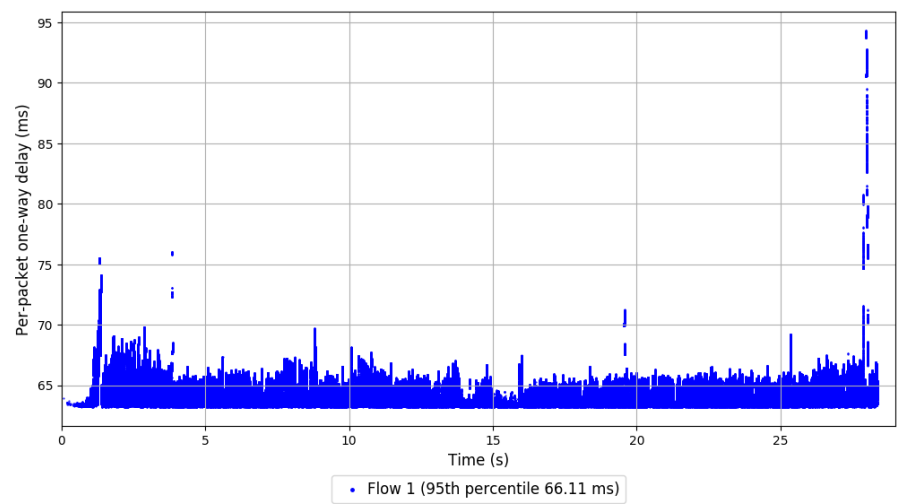
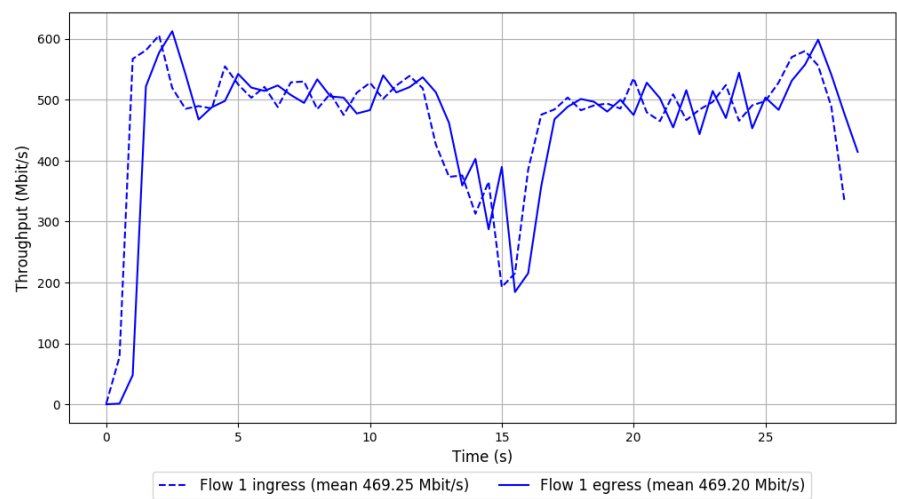
-- Flow 1:

Average throughput: 469.20 Mbit/s

95th percentile per-packet one-way delay: 66.113 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link

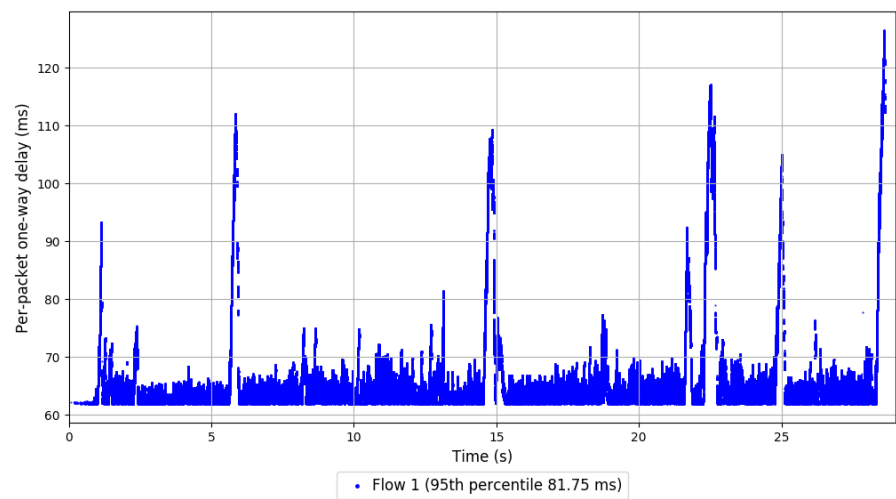
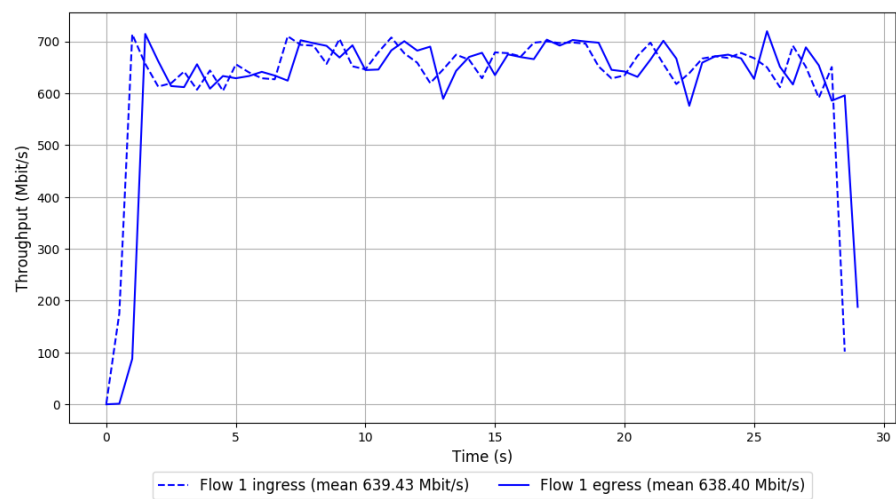


Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:24:59
End at: 2019-02-05 14:25:29
Local clock offset: -0.185 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2019-02-05 16:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.40 Mbit/s
95th percentile per-packet one-way delay: 81.752 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 638.40 Mbit/s
95th percentile per-packet one-way delay: 81.752 ms
Loss rate: 0.15%

Run 5: Report of Indigo-MusesT — Data Link

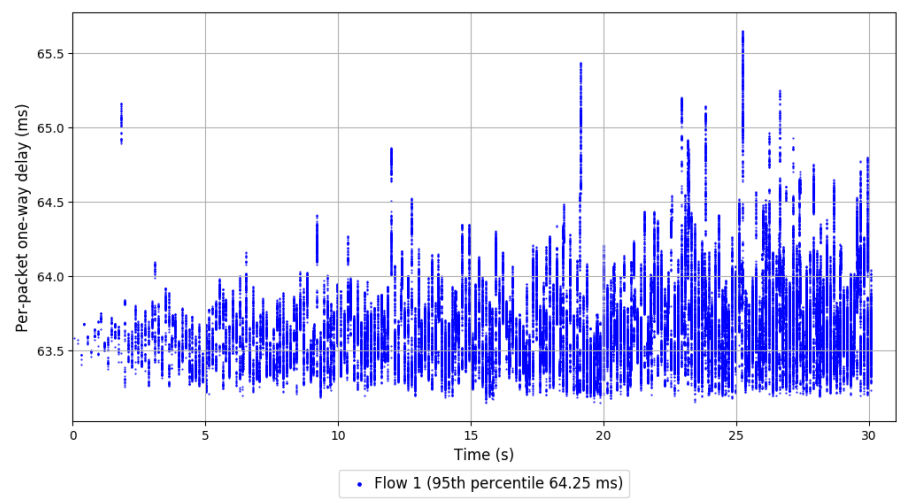
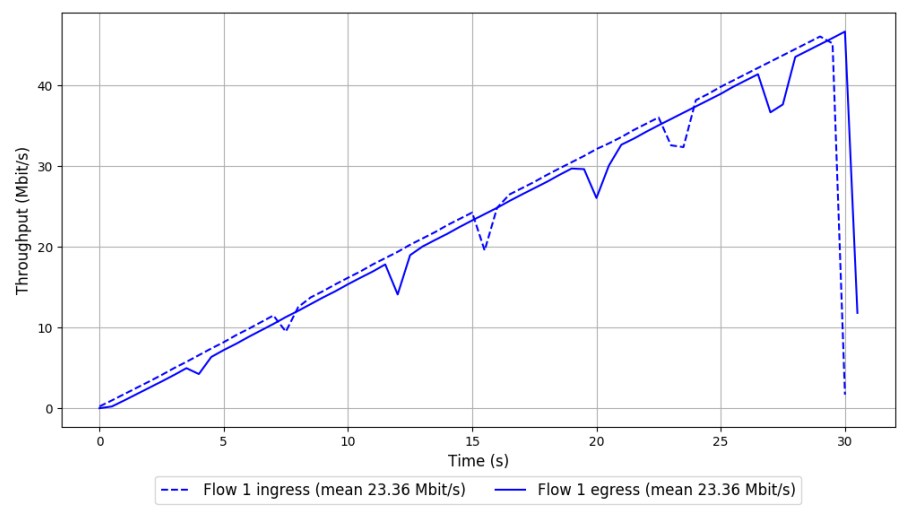


Run 1: Statistics of LEDBAT

Start at: 2019-02-05 12:34:40
End at: 2019-02-05 12:35:10
Local clock offset: -0.128 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-02-05 16:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 64.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 64.252 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

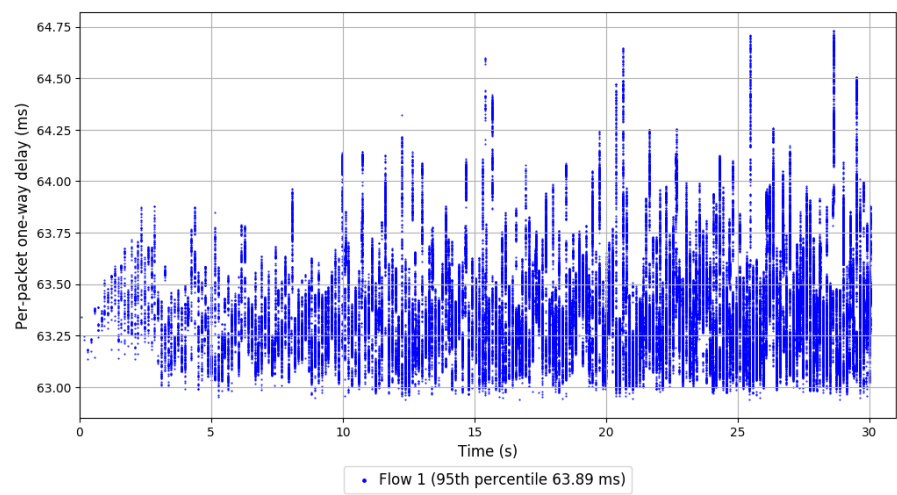
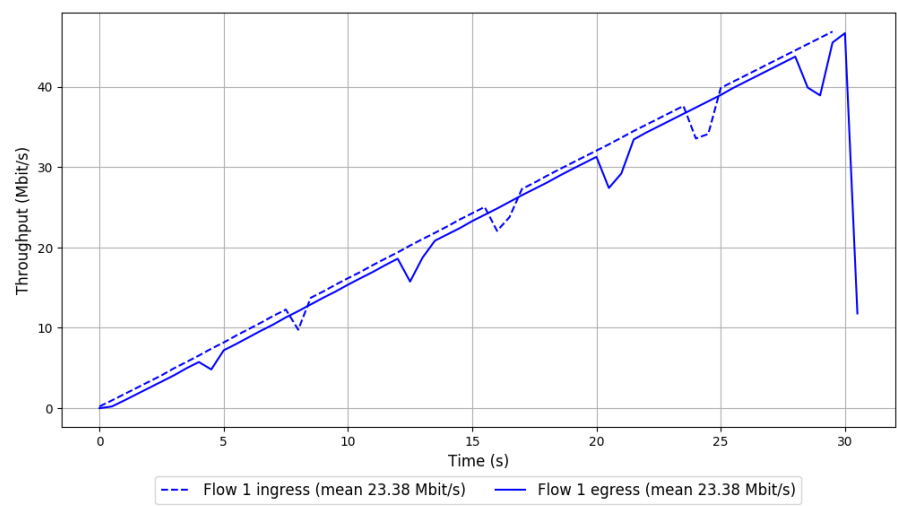


Run 2: Statistics of LEDBAT

Start at: 2019-02-05 13:05:31
End at: 2019-02-05 13:06:01
Local clock offset: -0.015 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-02-05 16:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 63.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 63.890 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-05 13:36:21

End at: 2019-02-05 13:36:51

Local clock offset: 0.003 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2019-02-05 16:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.41 Mbit/s

95th percentile per-packet one-way delay: 64.240 ms

Loss rate: 0.00%

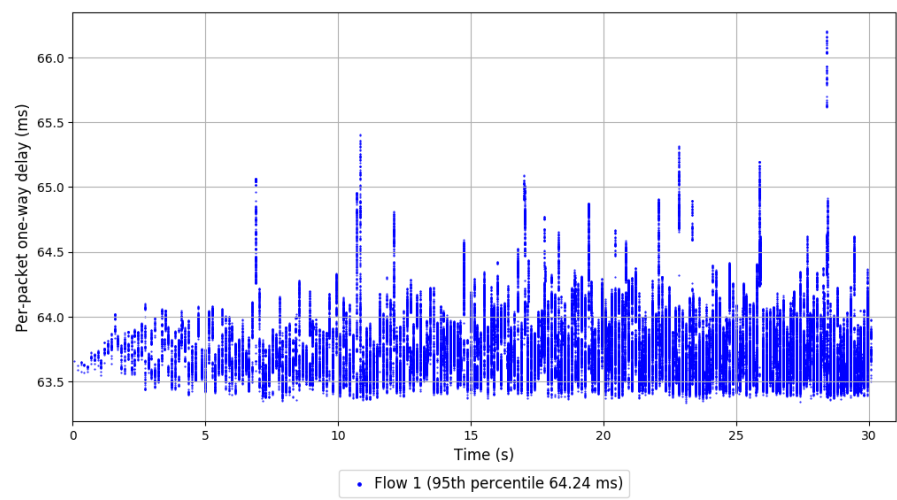
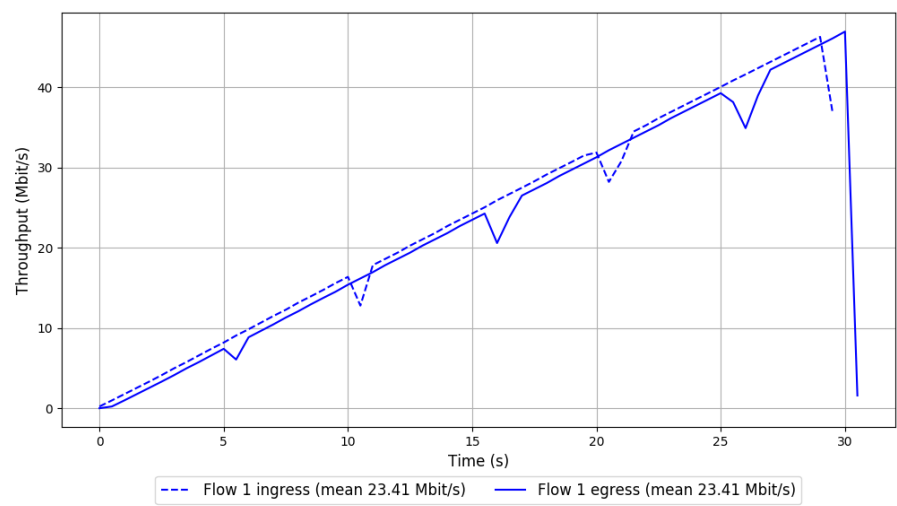
-- Flow 1:

Average throughput: 23.41 Mbit/s

95th percentile per-packet one-way delay: 64.240 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-05 14:06:54

End at: 2019-02-05 14:07:24

Local clock offset: -0.106 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2019-02-05 16:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 64.265 ms

Loss rate: 0.00%

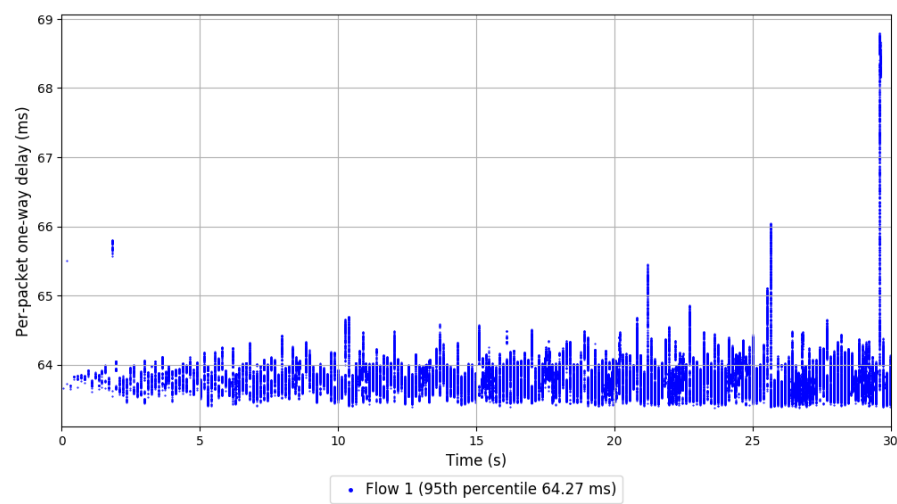
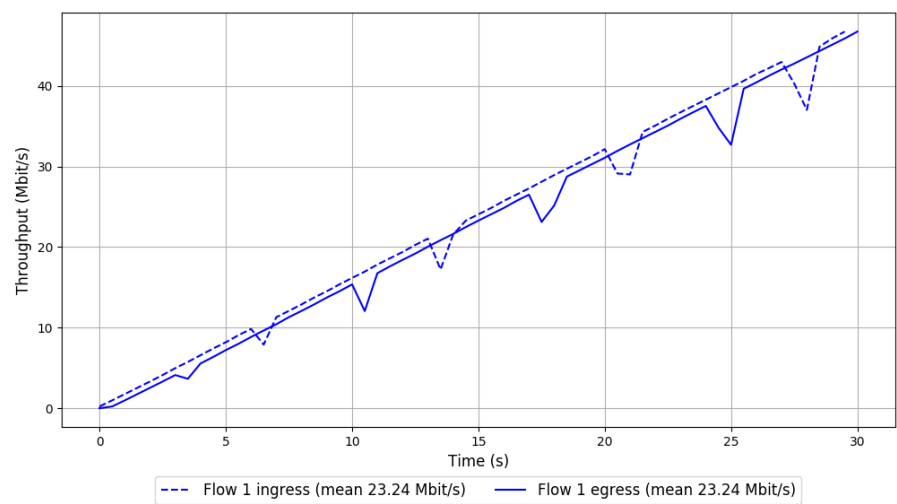
-- Flow 1:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 64.265 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-05 14:37:59

End at: 2019-02-05 14:38:30

Local clock offset: -0.221 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-02-05 16:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 64.270 ms

Loss rate: 0.00%

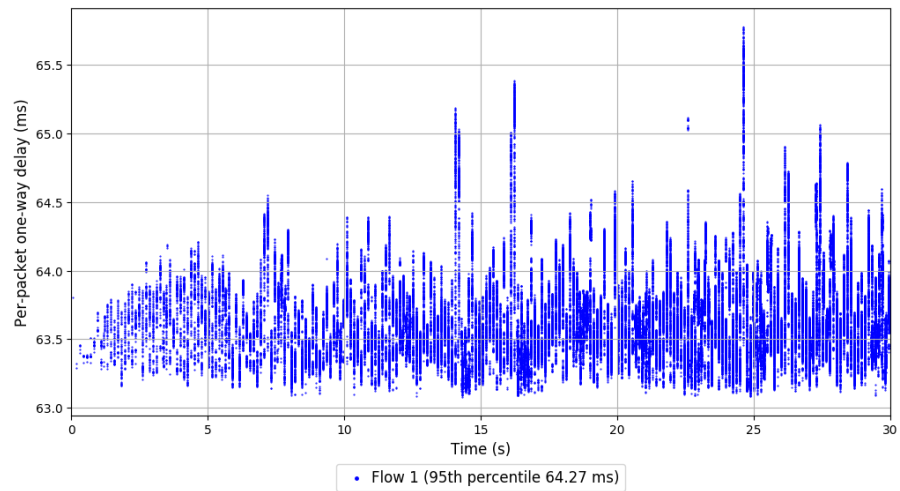
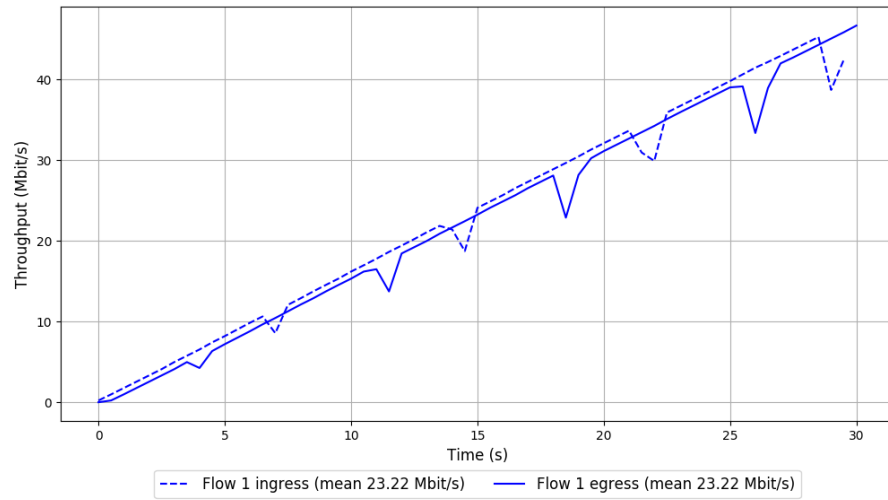
-- Flow 1:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 64.270 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

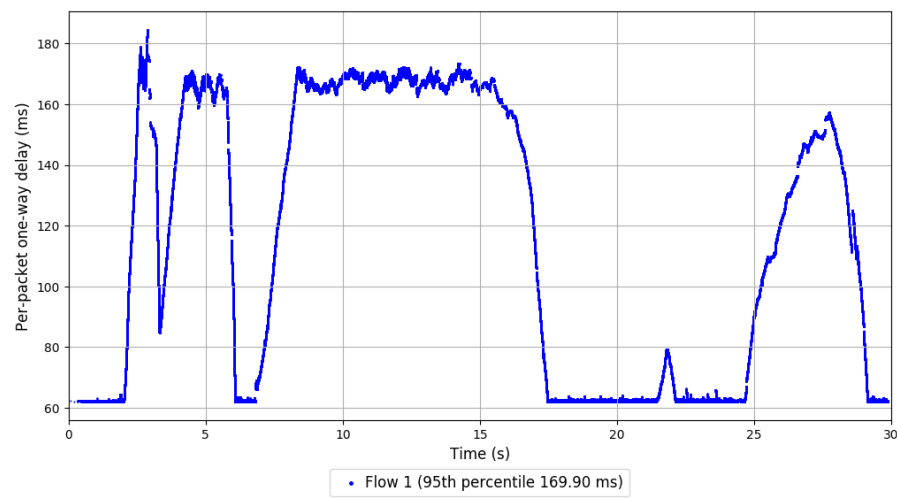
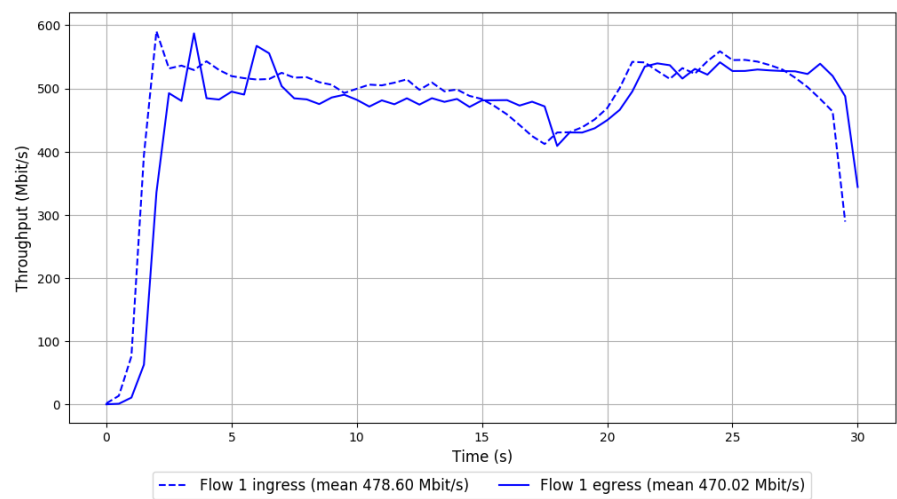


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-05 12:43:13
End at: 2019-02-05 12:43:43
Local clock offset: -0.09 ms
Remote clock offset: -0.699 ms

# Below is generated by plot.py at 2019-02-05 16:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 470.02 Mbit/s
95th percentile per-packet one-way delay: 169.901 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 470.02 Mbit/s
95th percentile per-packet one-way delay: 169.901 ms
Loss rate: 1.79%
```

Run 1: Report of PCC-Allegro — Data Link

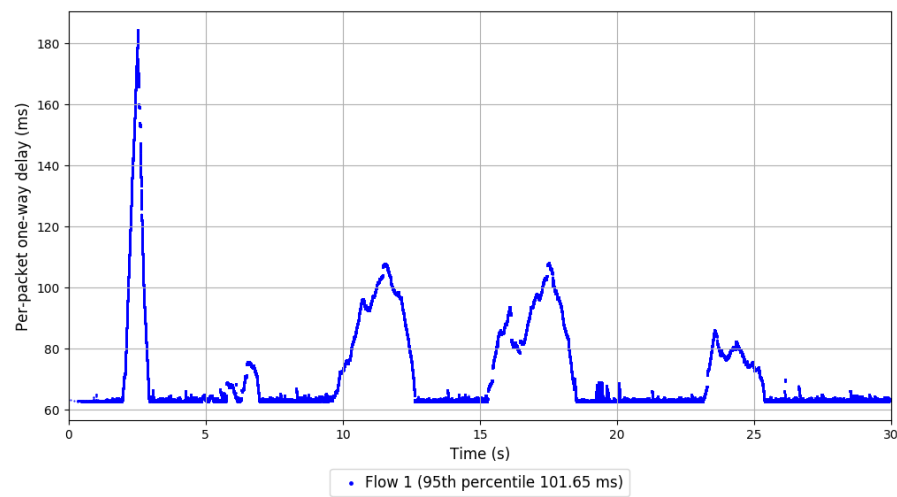
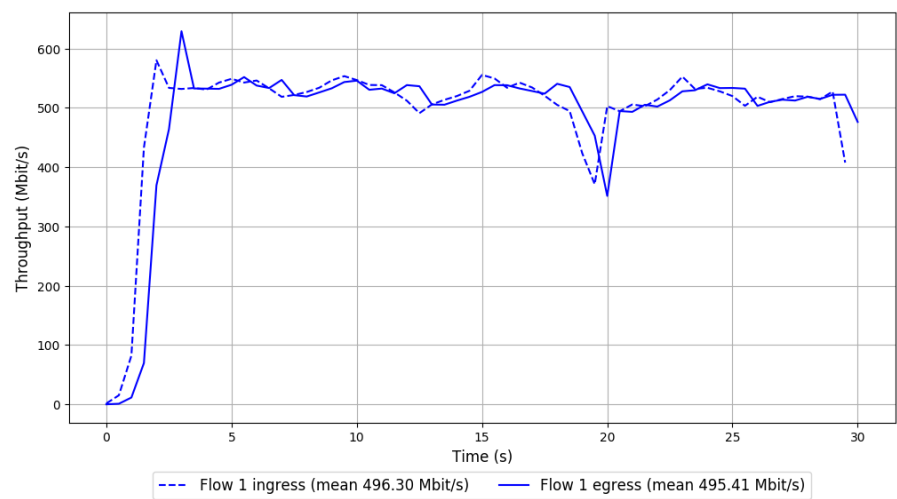


Run 2: Statistics of PCC-Allegro

Start at: 2019-02-05 13:13:52
End at: 2019-02-05 13:14:22
Local clock offset: -0.002 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2019-02-05 16:39:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 495.41 Mbit/s
95th percentile per-packet one-way delay: 101.649 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 495.41 Mbit/s
95th percentile per-packet one-way delay: 101.649 ms
Loss rate: 0.18%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-05 13:44:55

End at: 2019-02-05 13:45:25

Local clock offset: -0.015 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2019-02-05 16:39:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.97 Mbit/s

95th percentile per-packet one-way delay: 161.457 ms

Loss rate: 1.07%

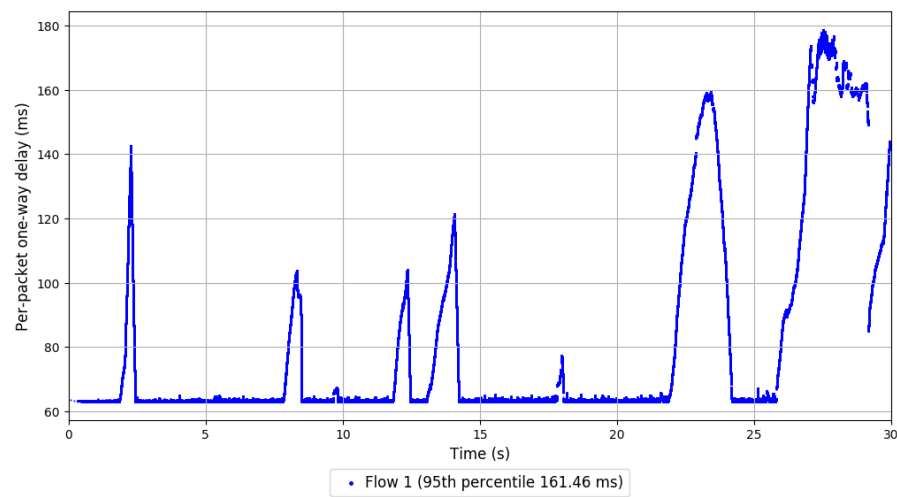
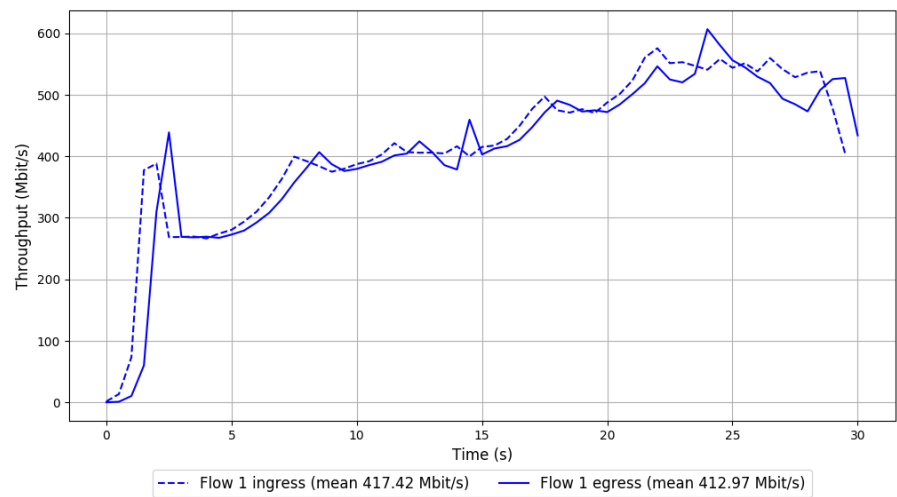
-- Flow 1:

Average throughput: 412.97 Mbit/s

95th percentile per-packet one-way delay: 161.457 ms

Loss rate: 1.07%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-05 14:15:34

End at: 2019-02-05 14:16:04

Local clock offset: -0.159 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2019-02-05 16:41:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.25 Mbit/s

95th percentile per-packet one-way delay: 162.273 ms

Loss rate: 1.82%

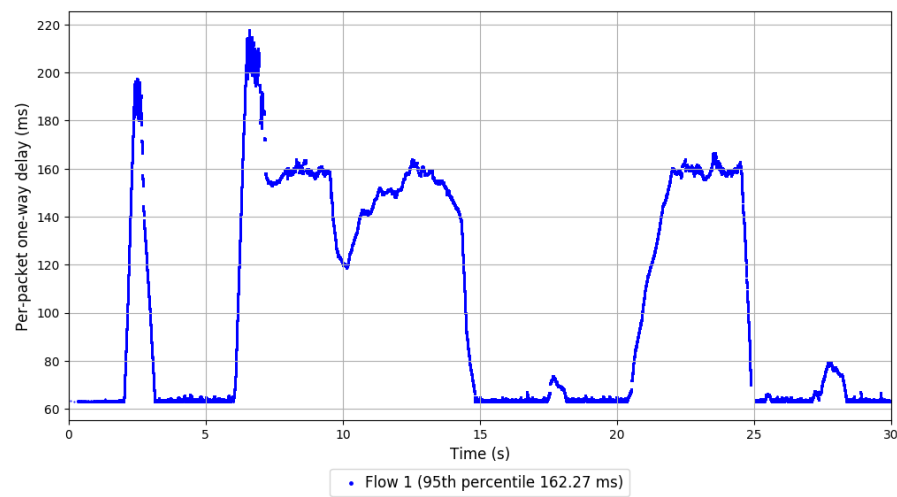
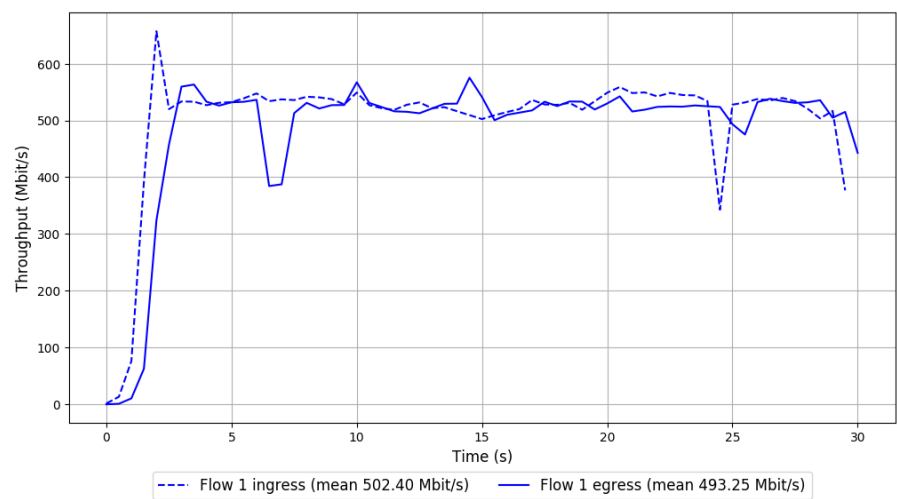
-- Flow 1:

Average throughput: 493.25 Mbit/s

95th percentile per-packet one-way delay: 162.273 ms

Loss rate: 1.82%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-05 14:46:34

End at: 2019-02-05 14:47:04

Local clock offset: -0.251 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2019-02-05 16:41:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 424.41 Mbit/s

95th percentile per-packet one-way delay: 173.523 ms

Loss rate: 1.53%

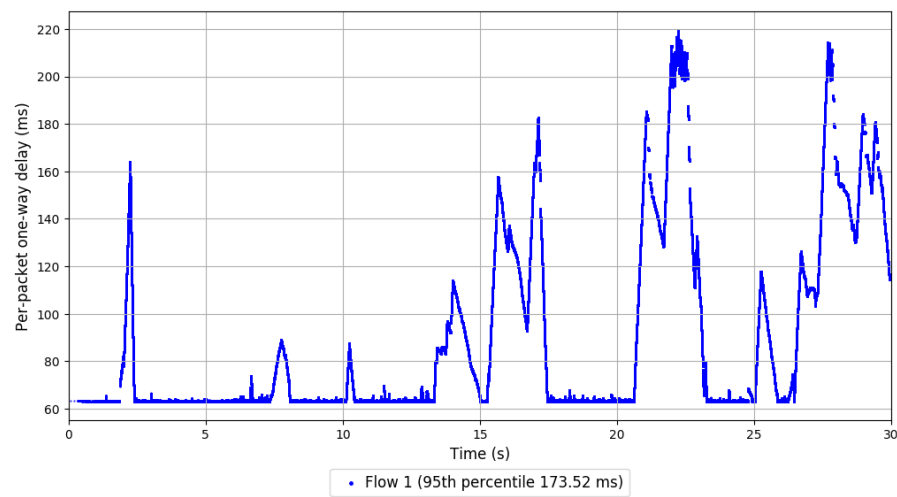
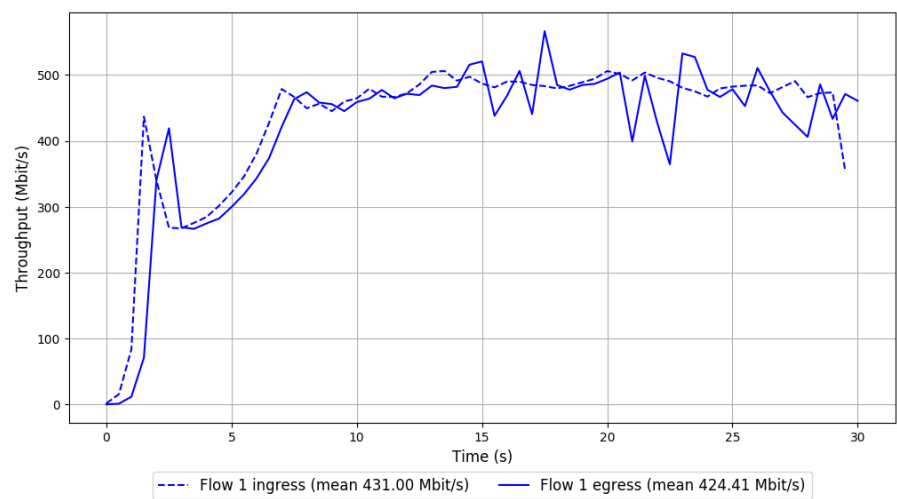
-- Flow 1:

Average throughput: 424.41 Mbit/s

95th percentile per-packet one-way delay: 173.523 ms

Loss rate: 1.53%

Run 5: Report of PCC-Allegro — Data Link

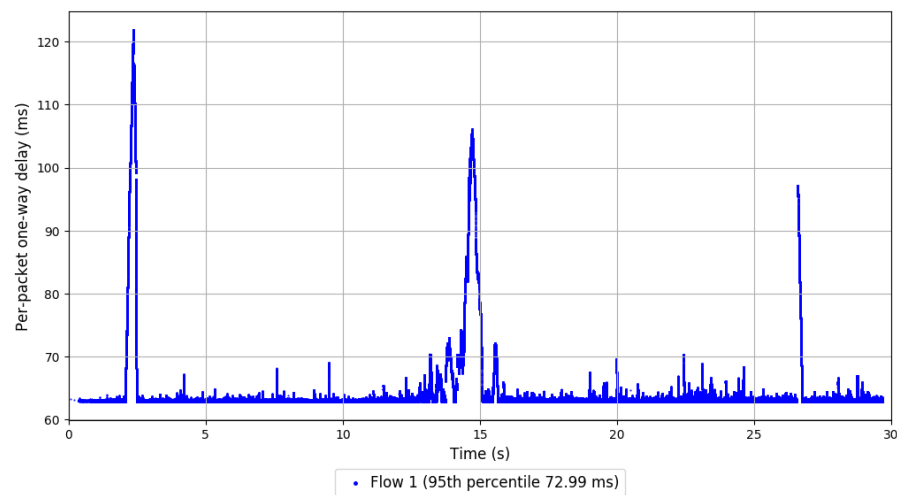
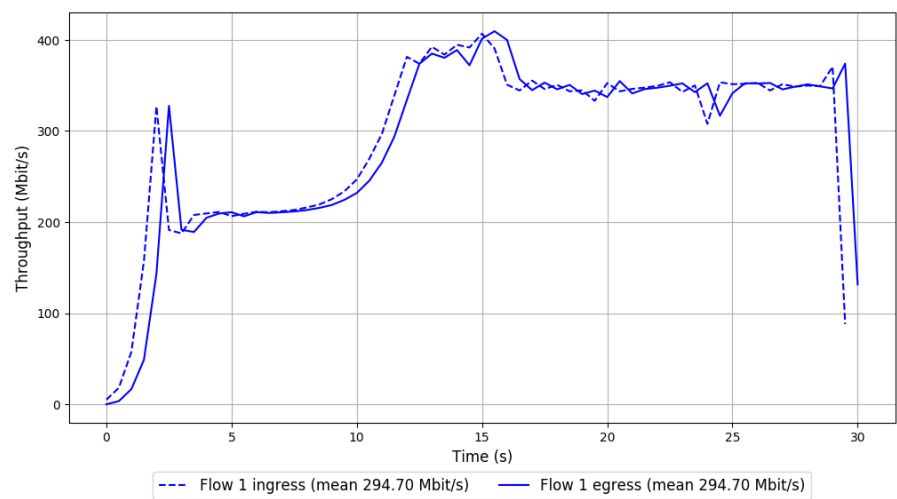


Run 1: Statistics of PCC-Expr

Start at: 2019-02-05 12:20:11
End at: 2019-02-05 12:20:41
Local clock offset: -0.122 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2019-02-05 16:41:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.70 Mbit/s
95th percentile per-packet one-way delay: 72.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.70 Mbit/s
95th percentile per-packet one-way delay: 72.992 ms
Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

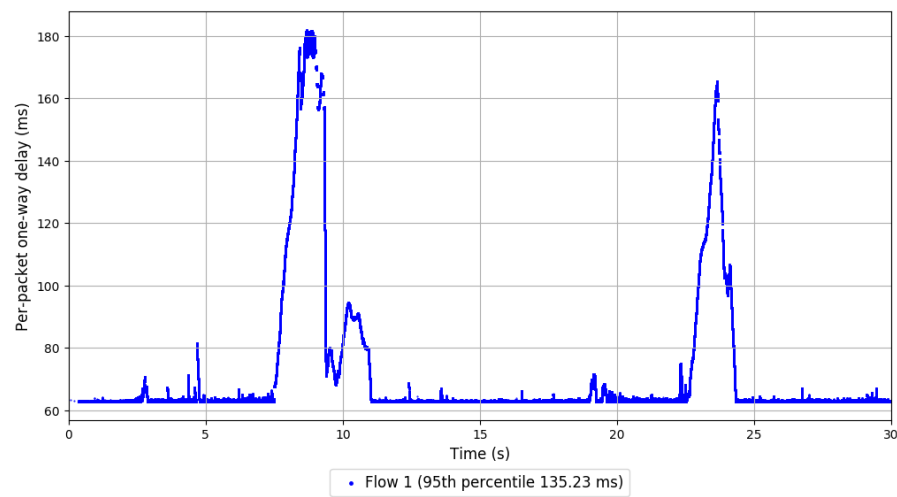
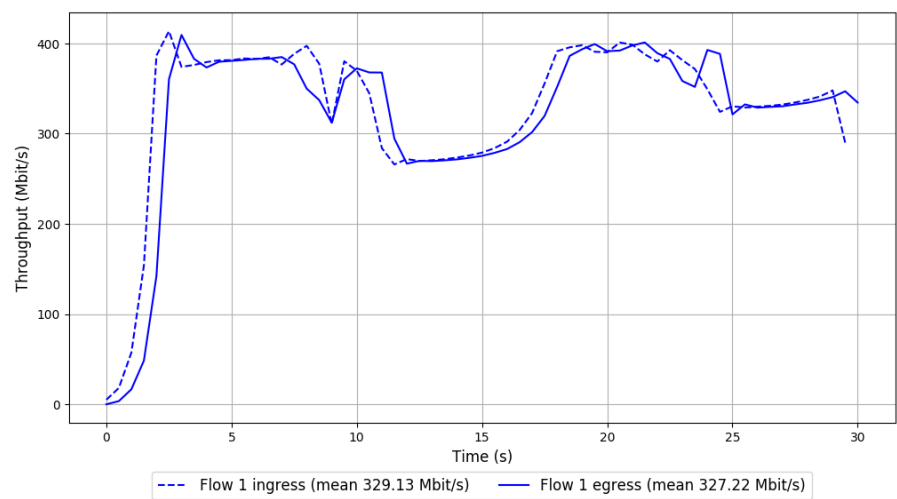


Run 2: Statistics of PCC-Expr

Start at: 2019-02-05 12:50:59
End at: 2019-02-05 12:51:29
Local clock offset: -0.024 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-02-05 16:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.22 Mbit/s
95th percentile per-packet one-way delay: 135.232 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 327.22 Mbit/s
95th percentile per-packet one-way delay: 135.232 ms
Loss rate: 0.58%

Run 2: Report of PCC-Expr — Data Link

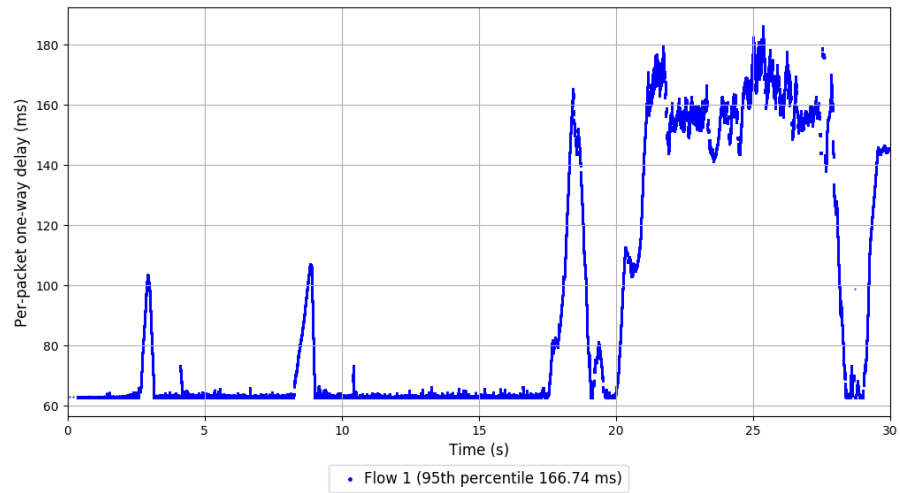
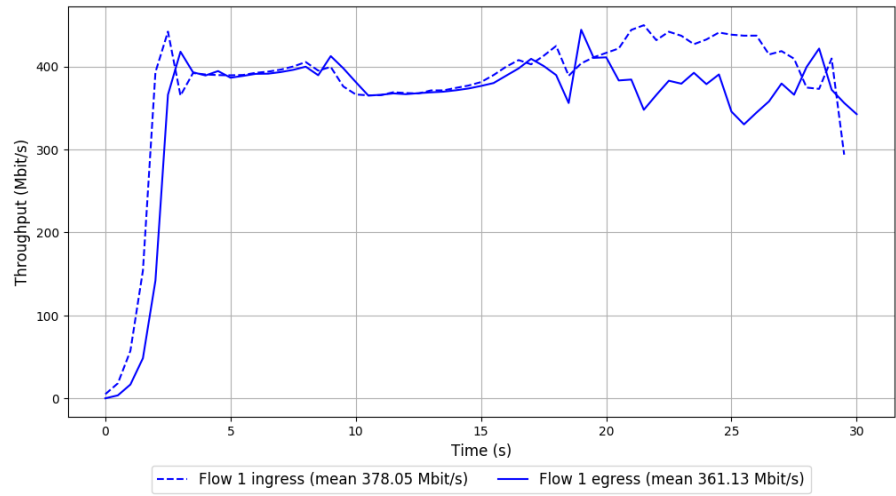


Run 3: Statistics of PCC-Expr

Start at: 2019-02-05 13:21:42
End at: 2019-02-05 13:22:12
Local clock offset: 0.008 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-02-05 16:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.13 Mbit/s
95th percentile per-packet one-way delay: 166.739 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 361.13 Mbit/s
95th percentile per-packet one-way delay: 166.739 ms
Loss rate: 4.47%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-05 13:52:31

End at: 2019-02-05 13:53:01

Local clock offset: 0.002 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2019-02-05 16:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.27 Mbit/s

95th percentile per-packet one-way delay: 73.850 ms

Loss rate: 0.01%

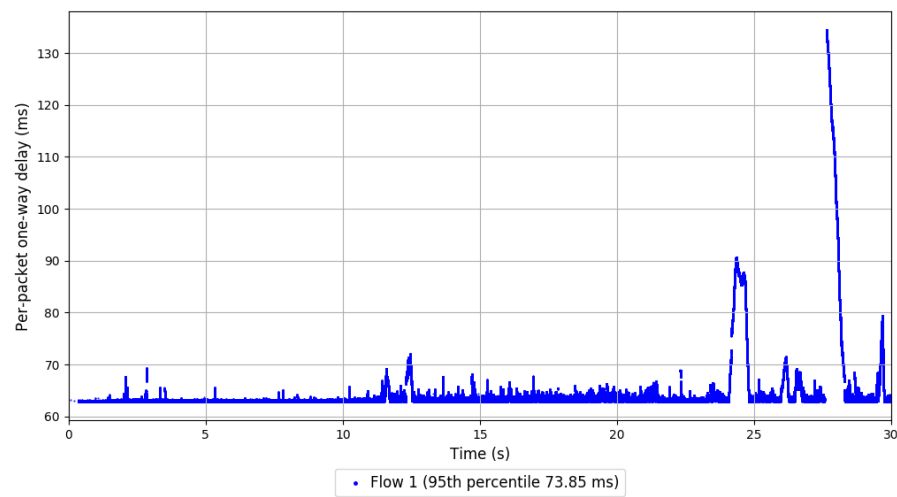
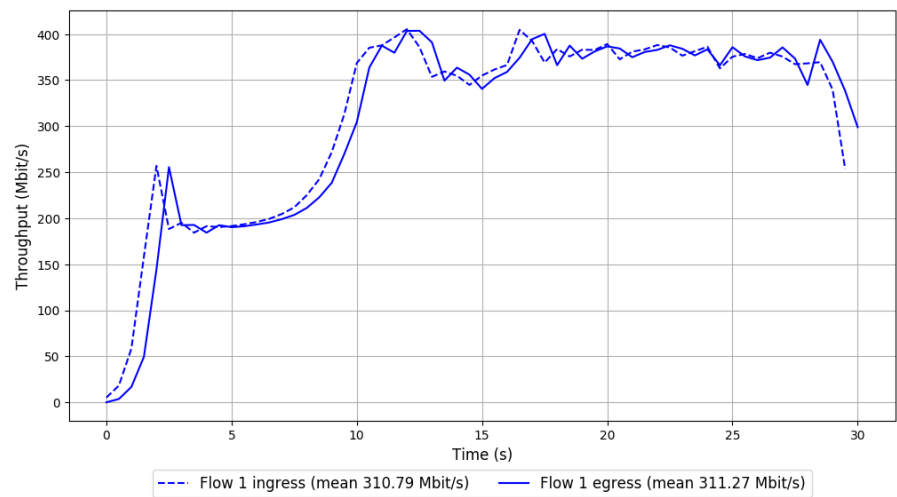
-- Flow 1:

Average throughput: 311.27 Mbit/s

95th percentile per-packet one-way delay: 73.850 ms

Loss rate: 0.01%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-02-05 14:23:21

End at: 2019-02-05 14:23:51

Local clock offset: -0.17 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.55 Mbit/s

95th percentile per-packet one-way delay: 176.862 ms

Loss rate: 4.25%

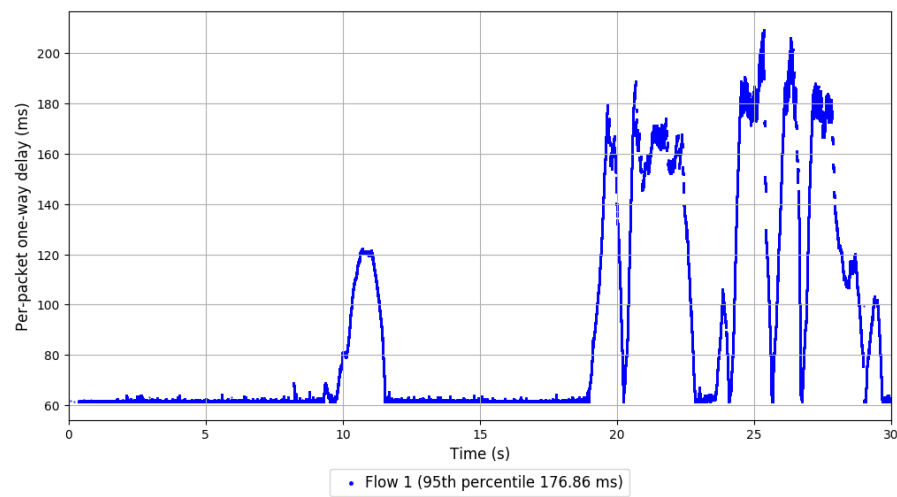
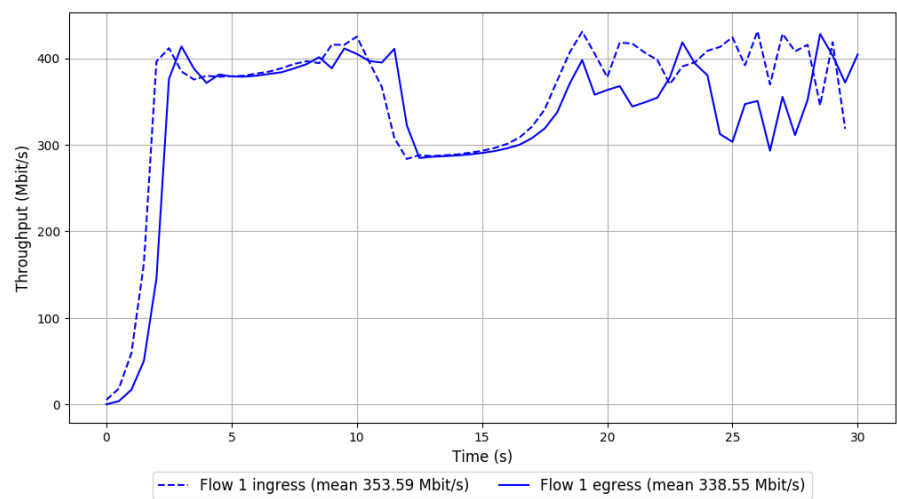
-- Flow 1:

Average throughput: 338.55 Mbit/s

95th percentile per-packet one-way delay: 176.862 ms

Loss rate: 4.25%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

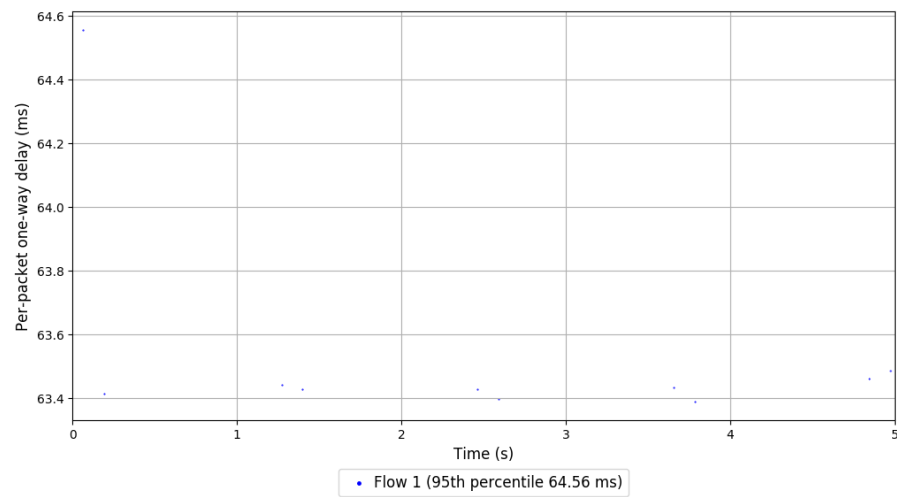
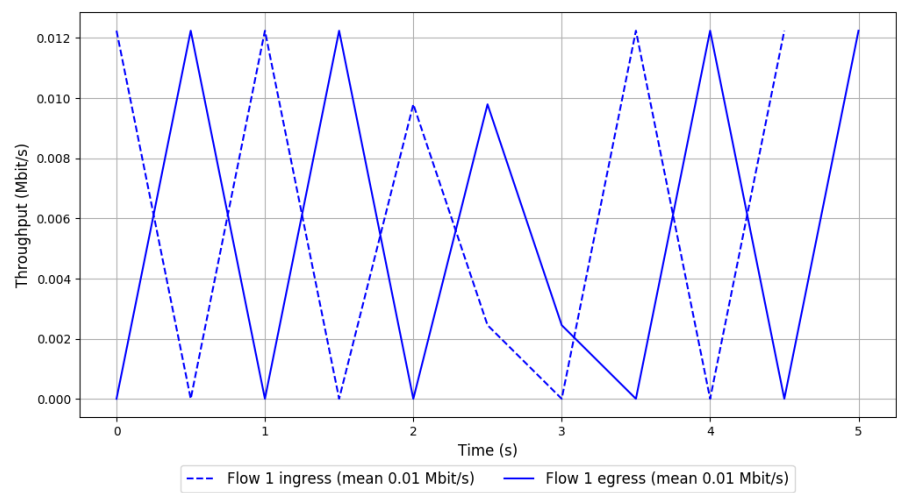
Start at: 2019-02-05 12:17:41

End at: 2019-02-05 12:18:11

Local clock offset: -0.126 ms

Remote clock offset: 0.179 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-05 12:48:13

End at: 2019-02-05 12:48:43

Local clock offset: -0.09 ms

Remote clock offset: -1.461 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 61.435 ms

Loss rate: 0.00%

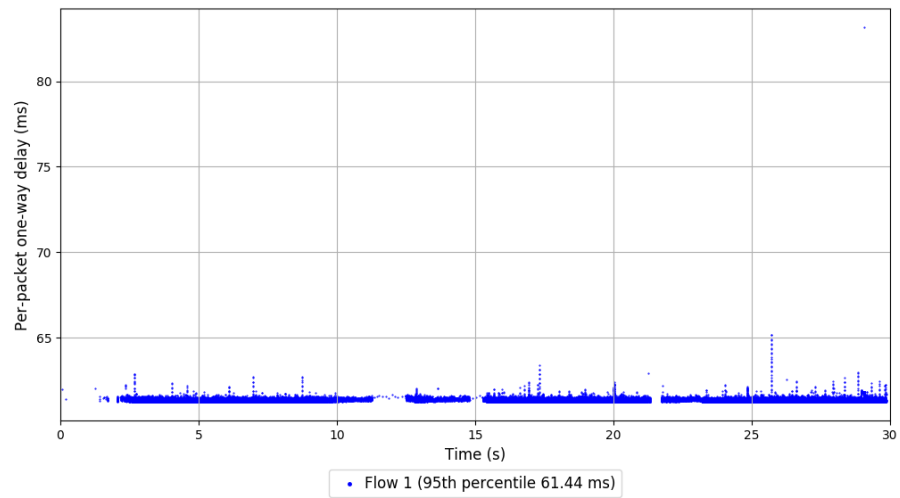
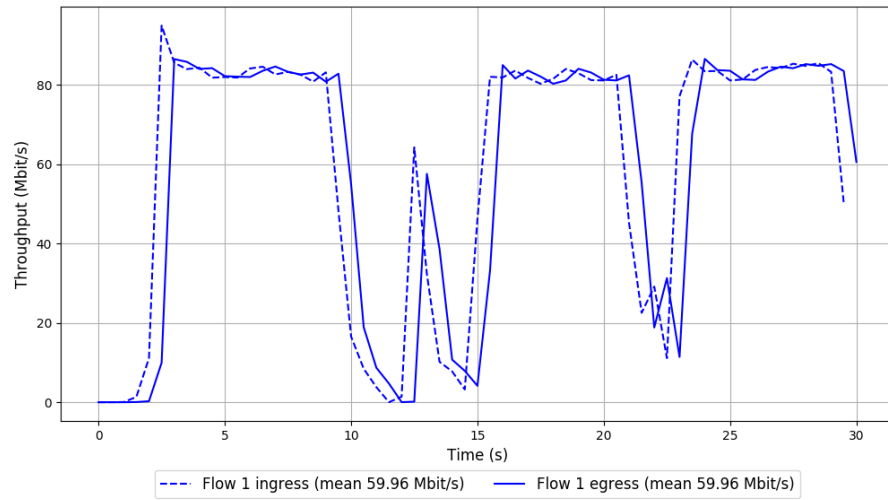
-- Flow 1:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 61.435 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-05 13:18:55

End at: 2019-02-05 13:19:25

Local clock offset: -0.036 ms

Remote clock offset: -0.618 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 62.401 ms

Loss rate: 0.00%

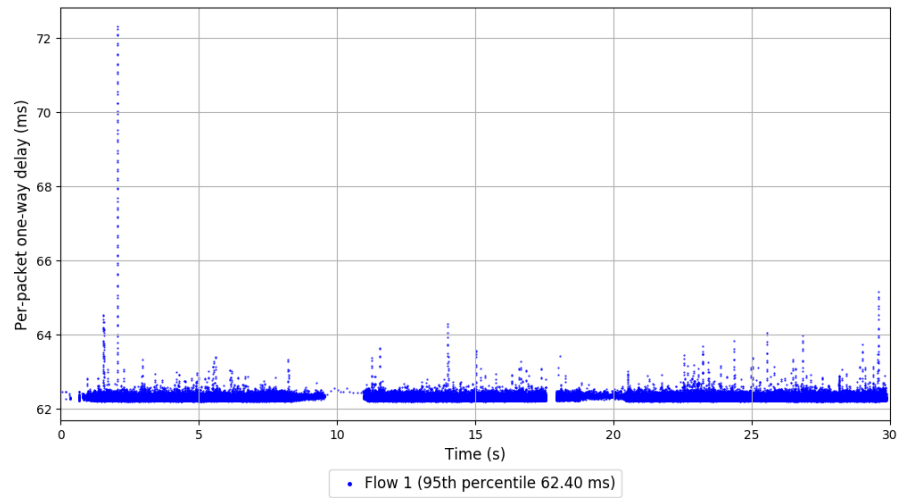
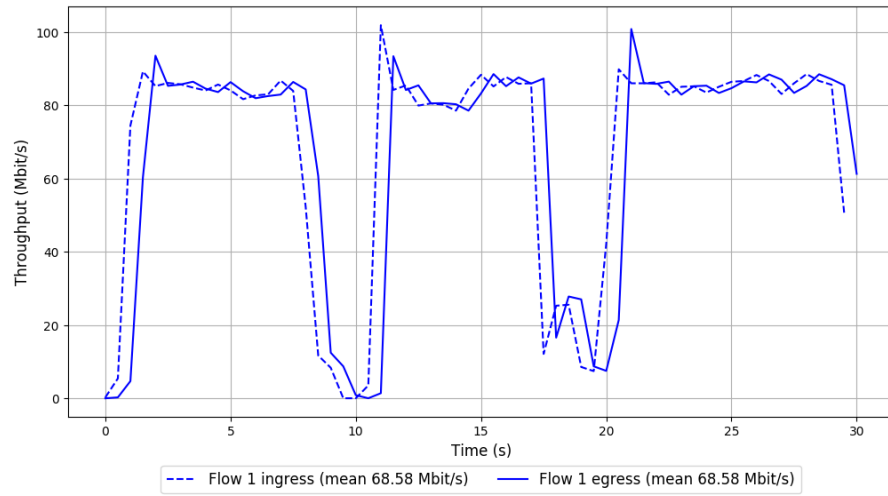
-- Flow 1:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 62.401 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-05 13:49:47

End at: 2019-02-05 13:50:17

Local clock offset: -0.013 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 62.954 ms

Loss rate: 0.00%

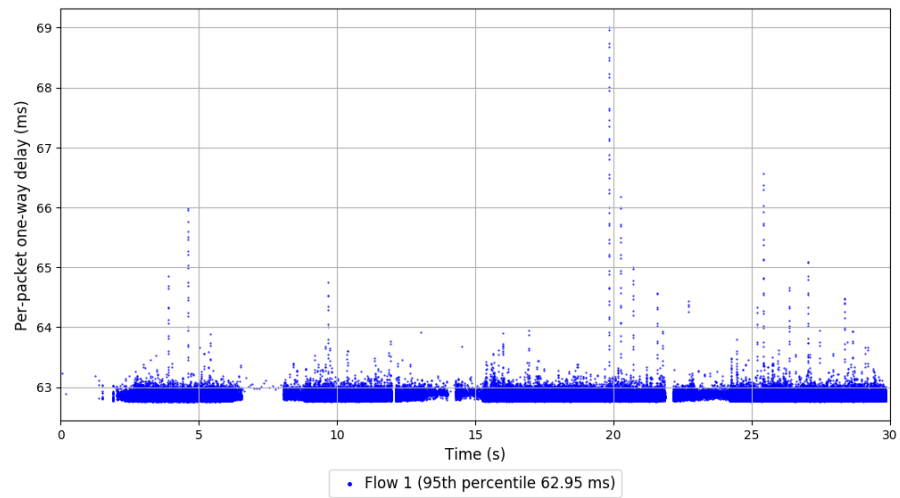
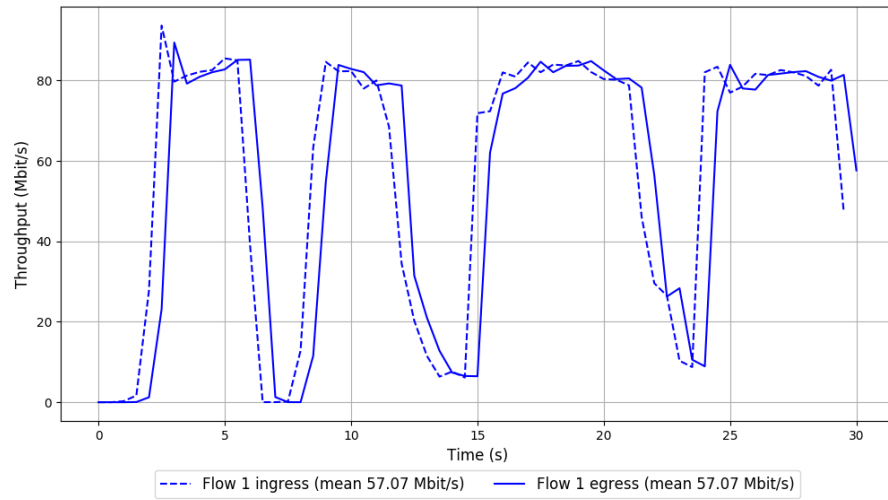
-- Flow 1:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 62.954 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

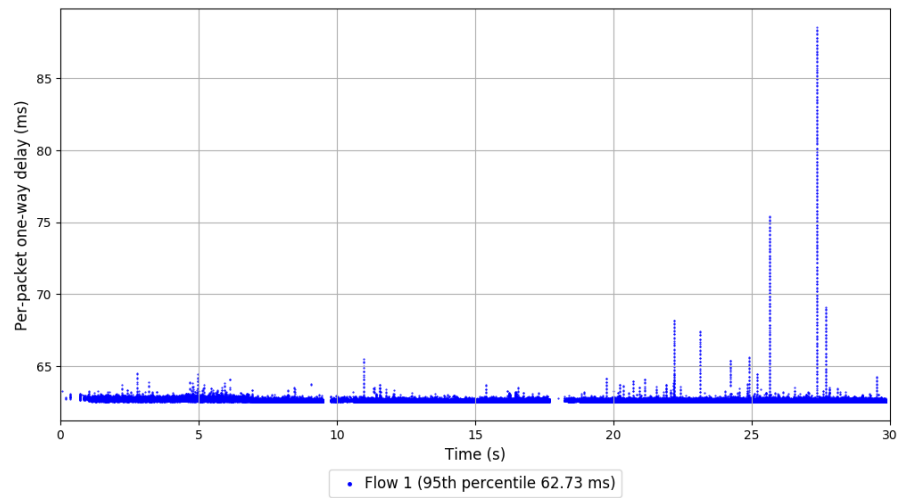
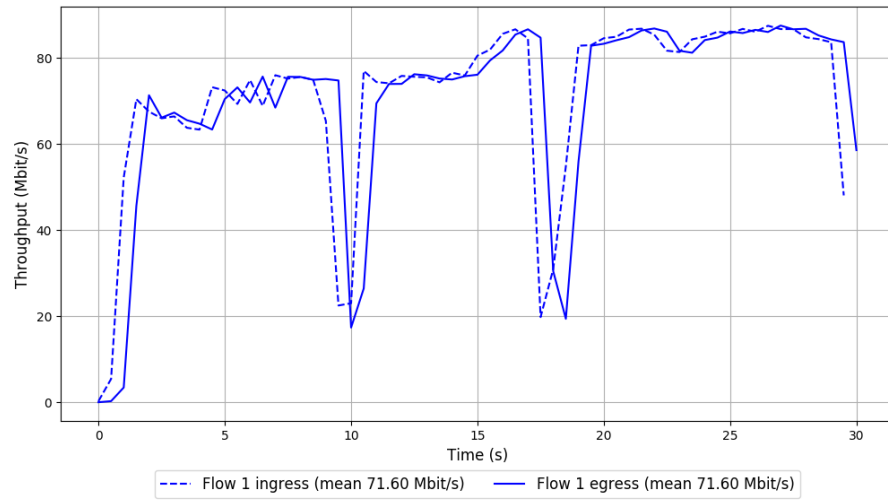


Run 5: Statistics of QUIC Cubic

Start at: 2019-02-05 14:20:33
End at: 2019-02-05 14:21:03
Local clock offset: -0.176 ms
Remote clock offset: -0.547 ms

Below is generated by plot.py at 2019-02-05 16:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 62.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 62.725 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

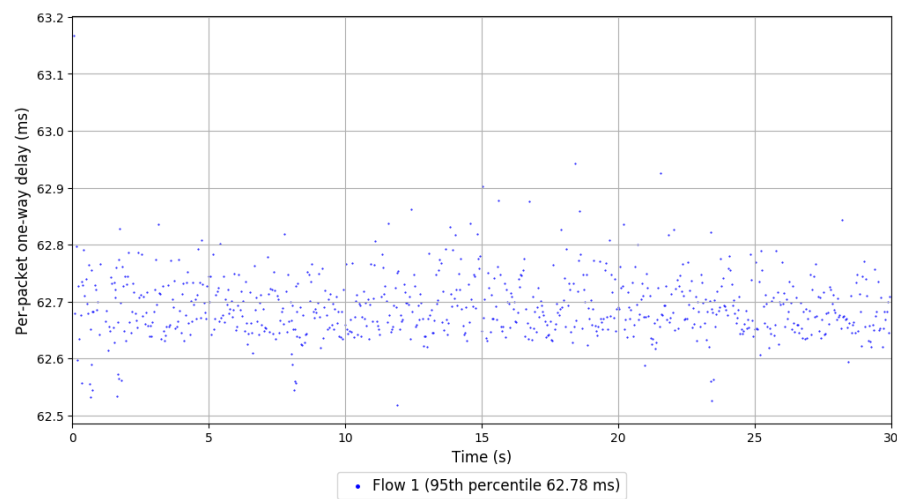
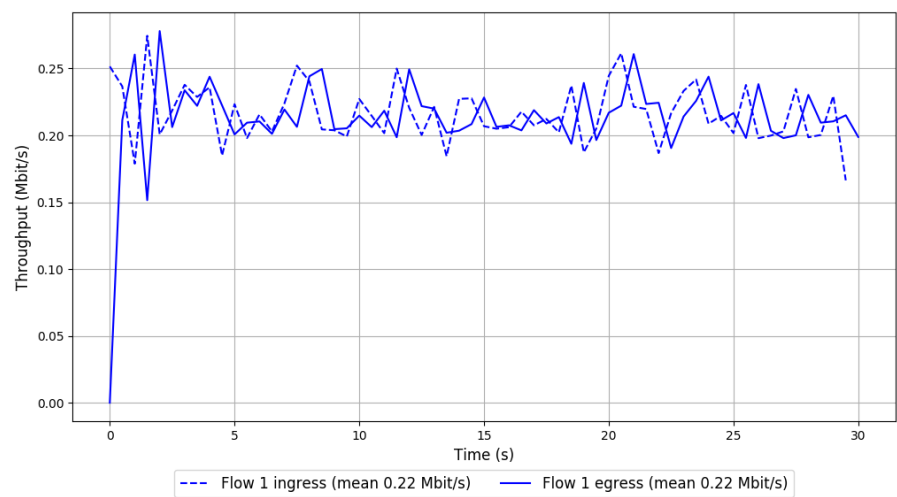


Run 1: Statistics of SCReAM

Start at: 2019-02-05 12:39:06
End at: 2019-02-05 12:39:36
Local clock offset: -0.107 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2019-02-05 16:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.784 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-02-05 13:09:49

End at: 2019-02-05 13:10:19

Local clock offset: 0.006 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.848 ms

Loss rate: 0.00%

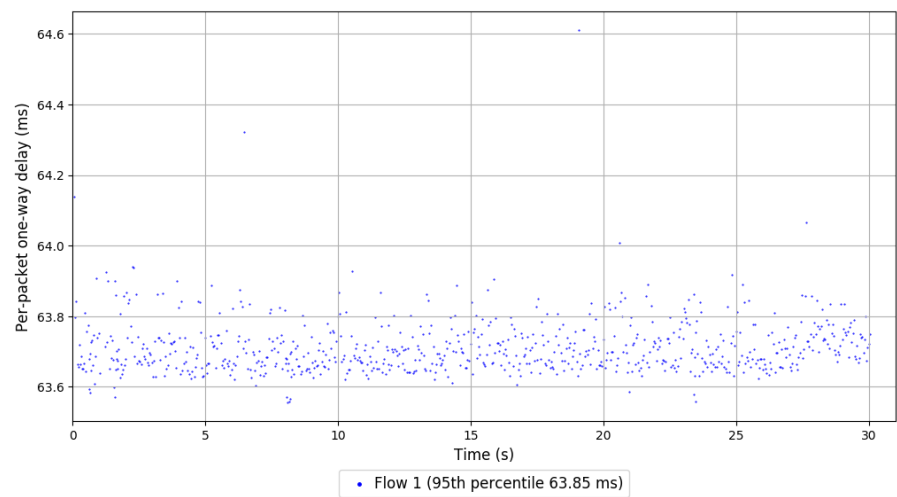
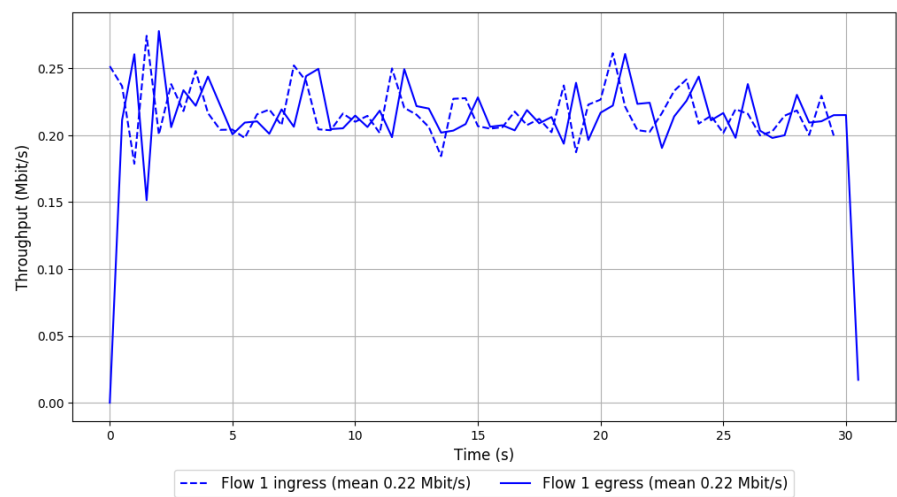
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.848 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

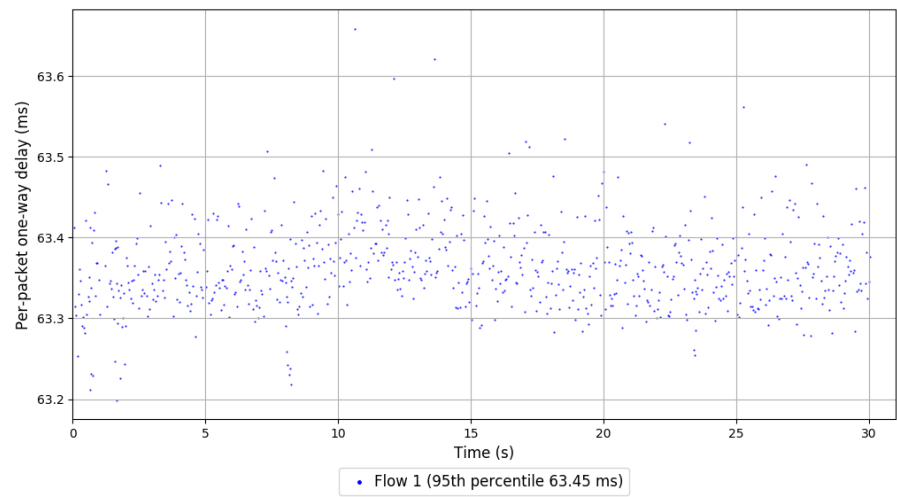
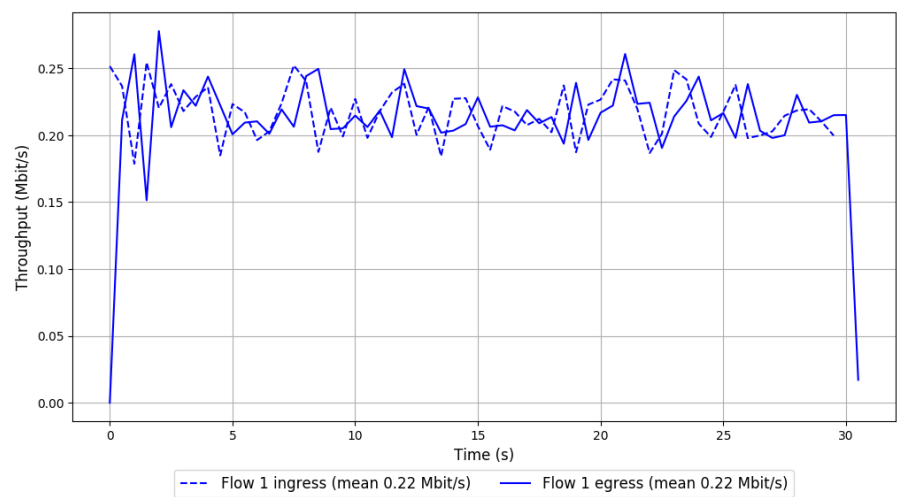


Run 3: Statistics of SCReAM

Start at: 2019-02-05 13:40:43
End at: 2019-02-05 13:41:13
Local clock offset: -0.016 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-02-05 16:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.451 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

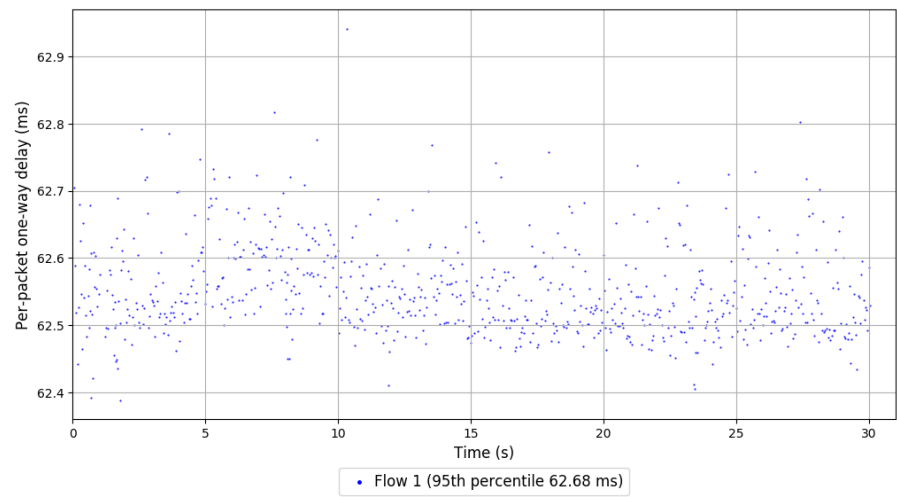
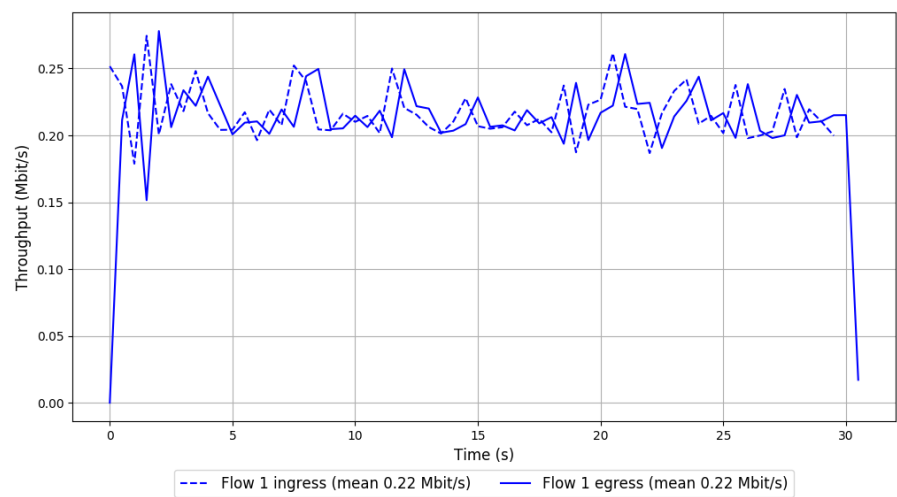


Run 4: Statistics of SCReAM

Start at: 2019-02-05 14:11:22
End at: 2019-02-05 14:11:52
Local clock offset: -0.123 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2019-02-05 16:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.678 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-05 14:42:23

End at: 2019-02-05 14:42:53

Local clock offset: -0.247 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.019 ms

Loss rate: 0.00%

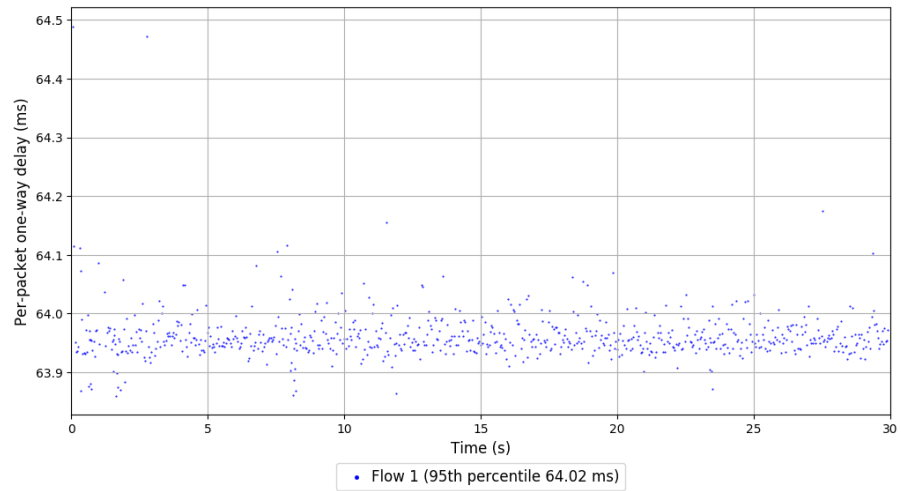
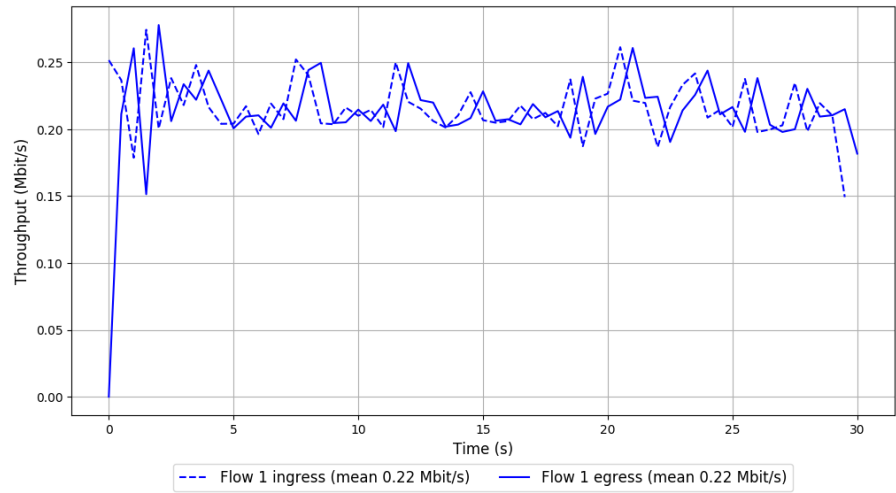
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.019 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-05 12:30:35

End at: 2019-02-05 12:31:05

Local clock offset: -0.102 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 63.963 ms

Loss rate: 0.00%

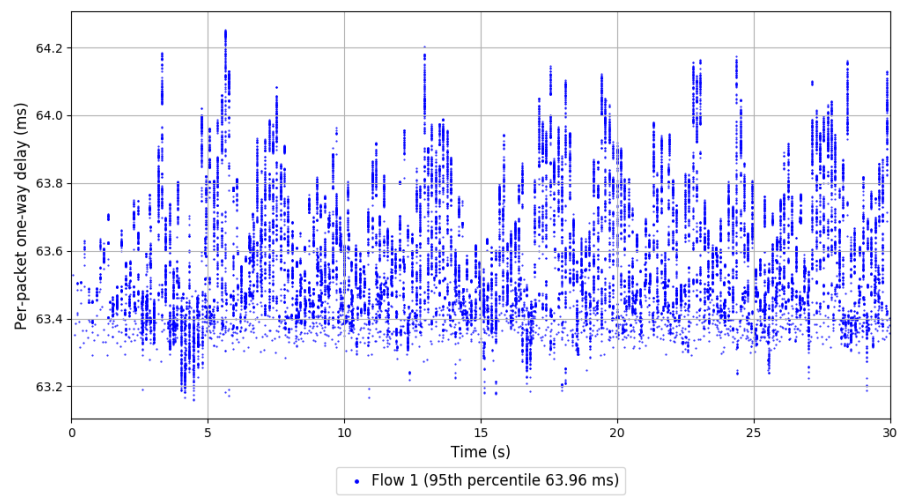
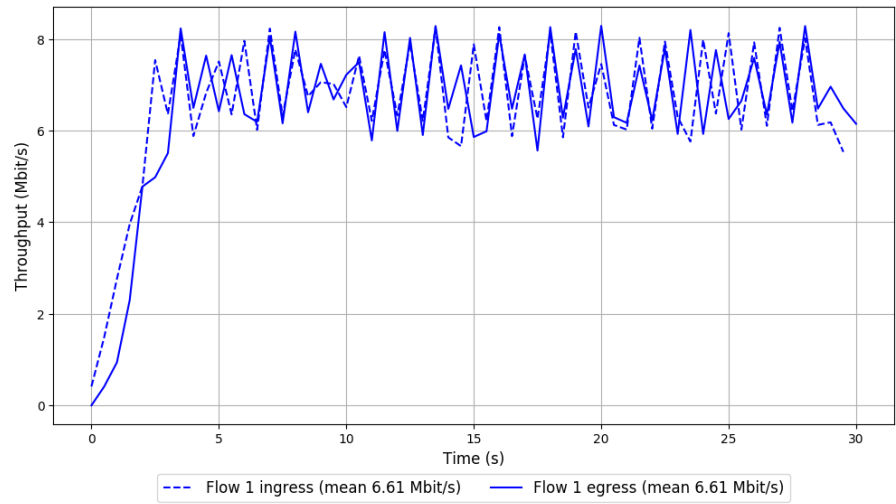
-- Flow 1:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 63.963 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-02-05 13:01:22

End at: 2019-02-05 13:01:52

Local clock offset: 0.1 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 63.307 ms

Loss rate: 0.00%

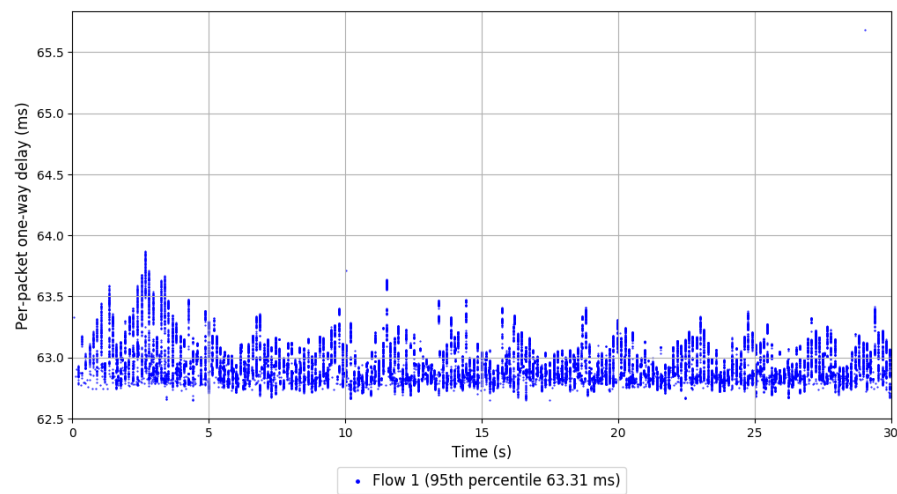
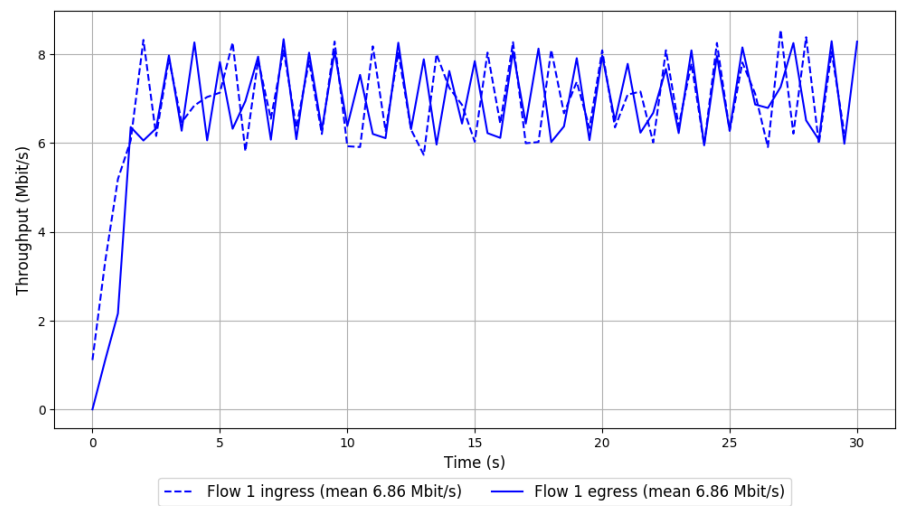
-- Flow 1:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 63.307 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

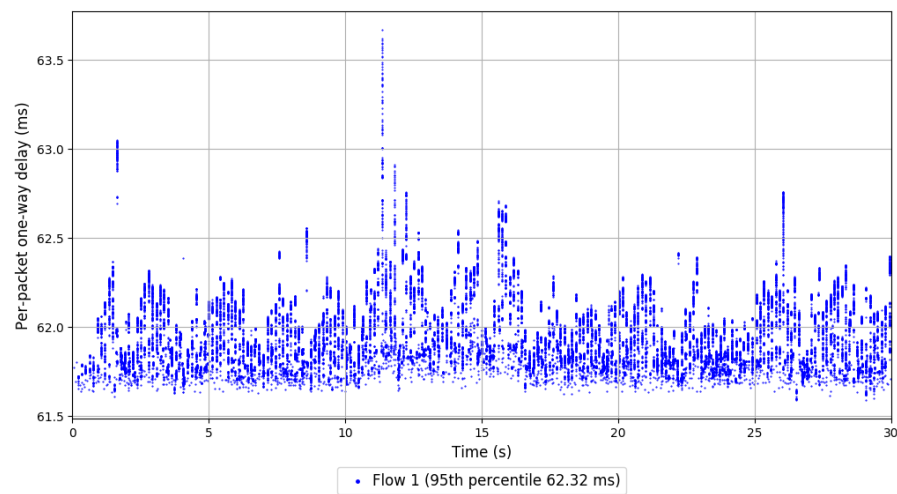
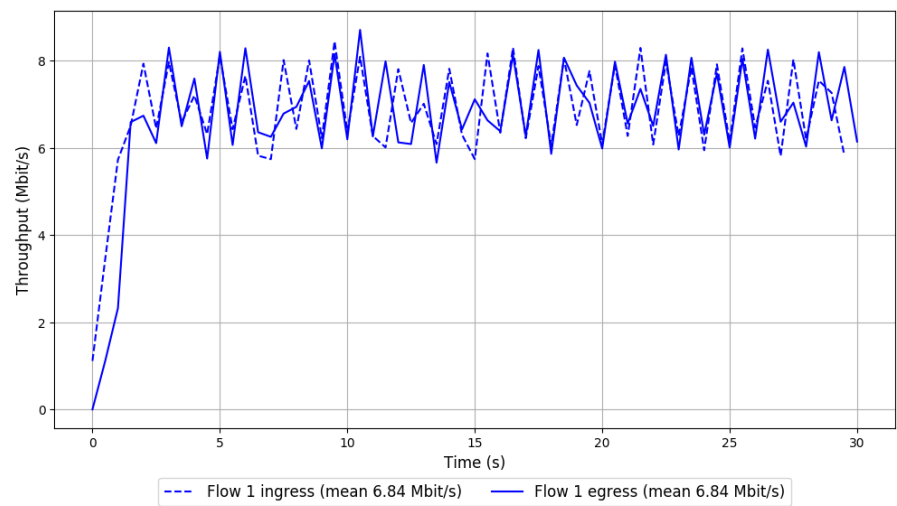


Run 3: Statistics of Sprout

Start at: 2019-02-05 13:32:19
End at: 2019-02-05 13:32:49
Local clock offset: 0.029 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2019-02-05 16:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 62.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 62.322 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-05 14:02:50

End at: 2019-02-05 14:03:20

Local clock offset: -0.062 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 63.488 ms

Loss rate: 0.00%

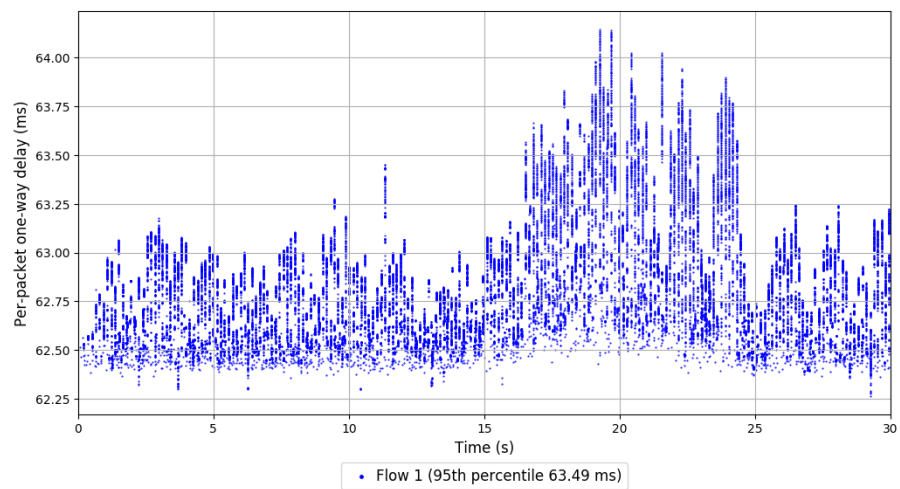
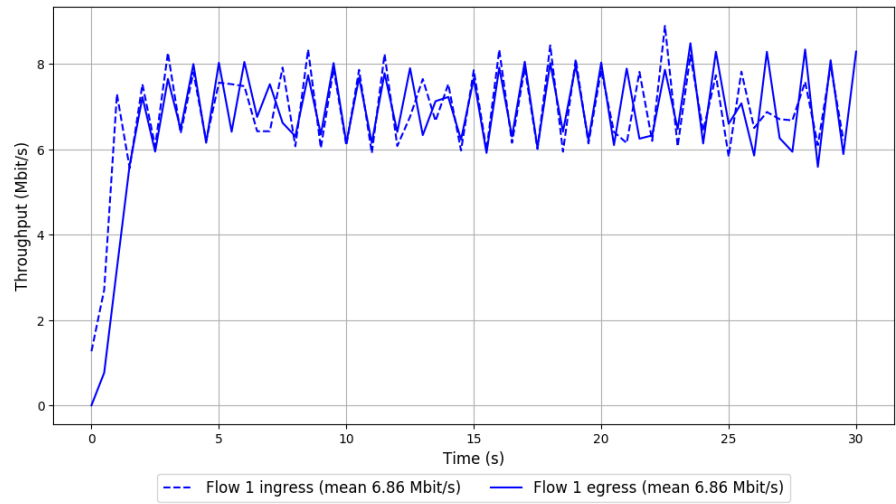
-- Flow 1:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 63.488 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

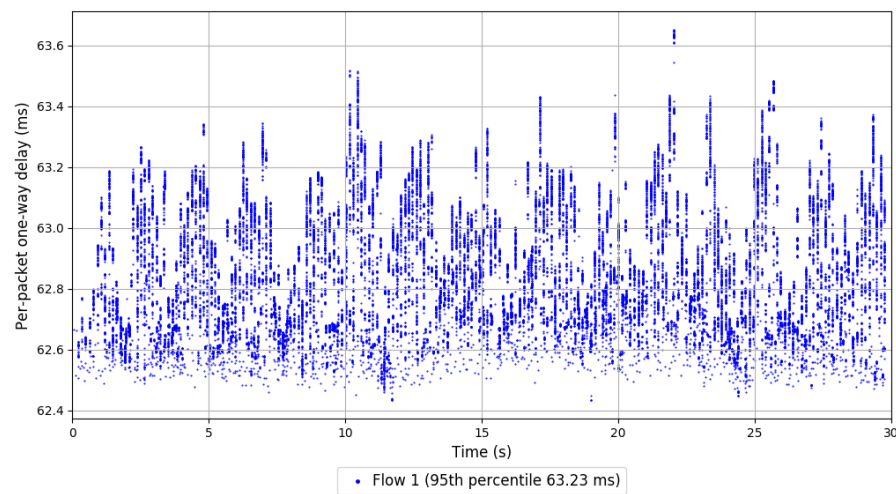
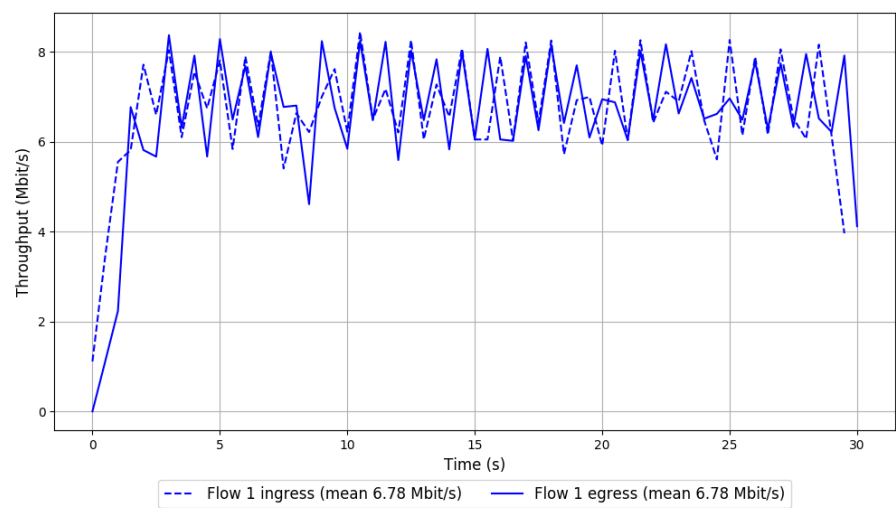


Run 5: Statistics of Sprout

Start at: 2019-02-05 14:33:55
End at: 2019-02-05 14:34:25
Local clock offset: -0.225 ms
Remote clock offset: -0.764 ms

Below is generated by plot.py at 2019-02-05 16:49:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 63.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 63.225 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-05 12:24:56

End at: 2019-02-05 12:25:26

Local clock offset: -0.101 ms

Remote clock offset: -0.657 ms

Below is generated by plot.py at 2019-02-05 16:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.11 Mbit/s

95th percentile per-packet one-way delay: 62.485 ms

Loss rate: 0.00%

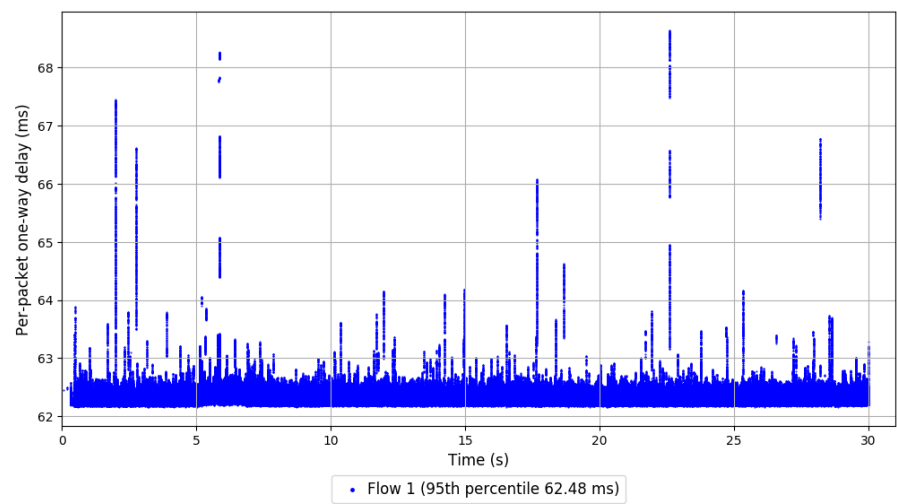
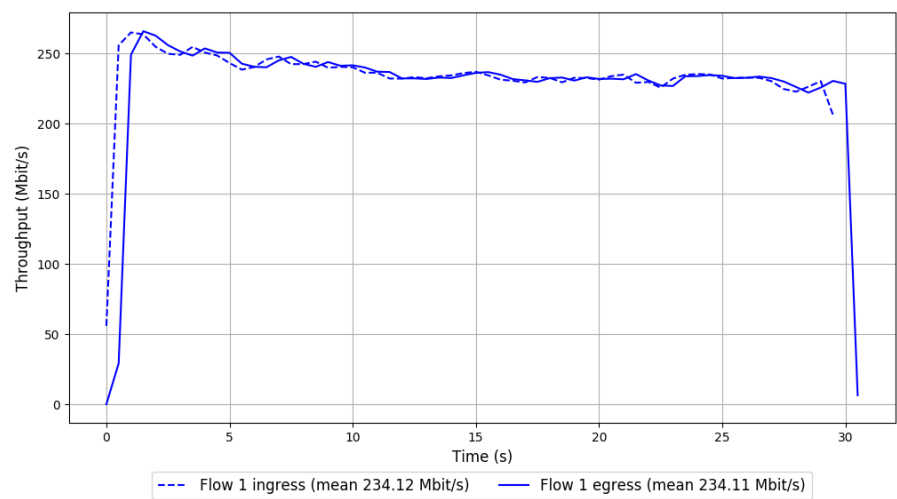
-- Flow 1:

Average throughput: 234.11 Mbit/s

95th percentile per-packet one-way delay: 62.485 ms

Loss rate: 0.00%

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

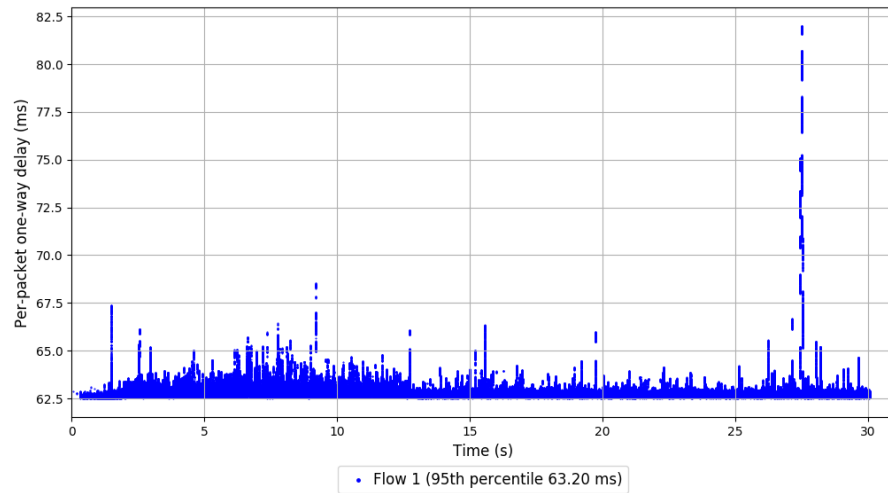
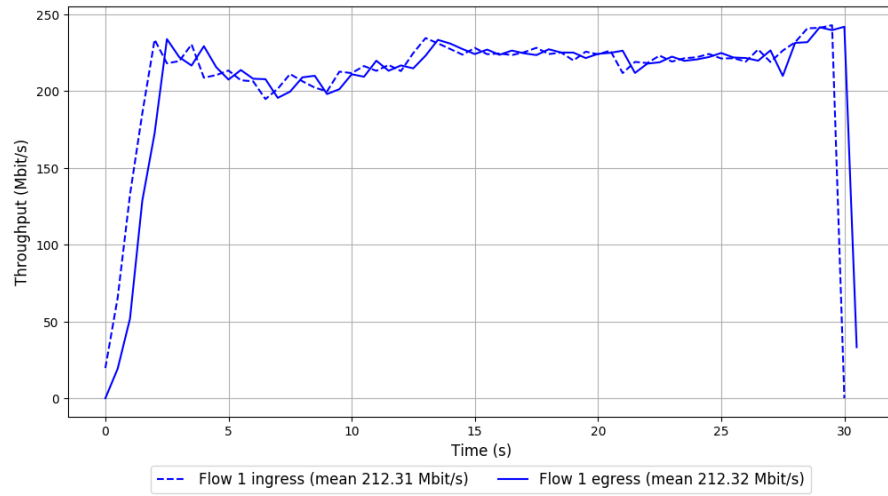


Run 2: Statistics of TaoVA-100x

Start at: 2019-02-05 12:55:42
End at: 2019-02-05 12:56:12
Local clock offset: -0.036 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-02-05 16:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 63.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.32 Mbit/s
95th percentile per-packet one-way delay: 63.202 ms
Loss rate: 0.00%

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

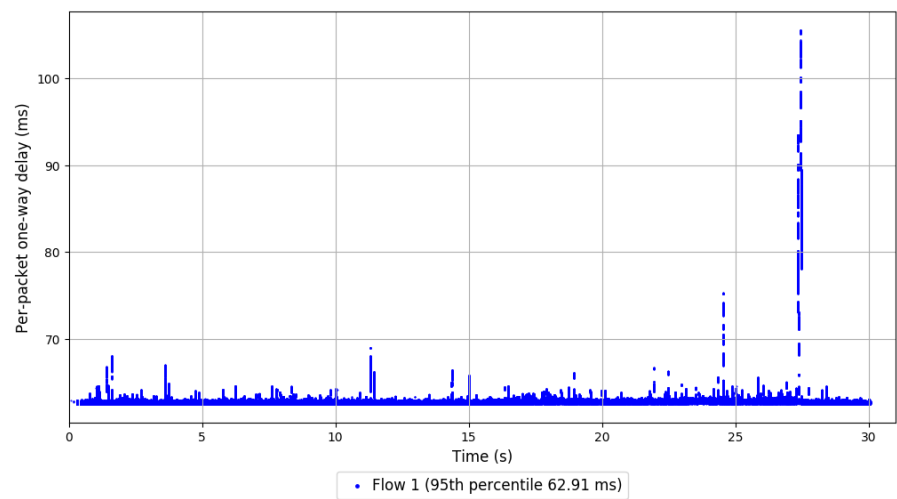
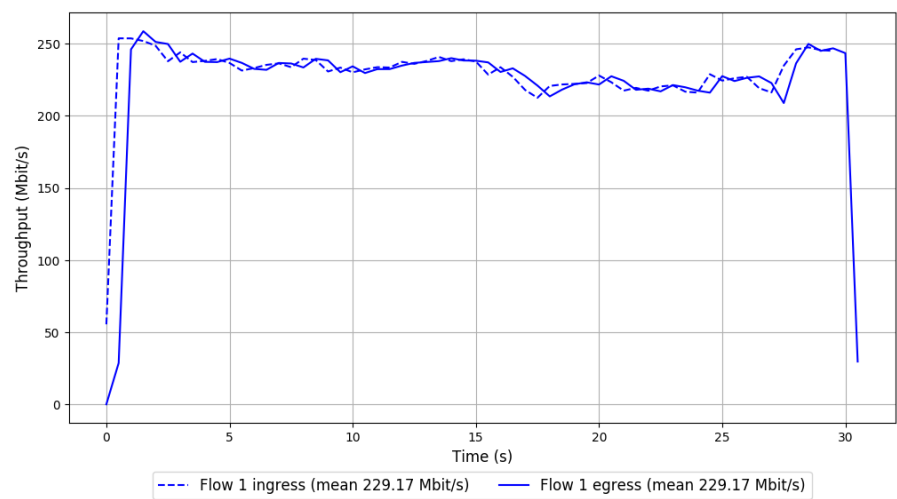


Run 3: Statistics of TaoVA-100x

Start at: 2019-02-05 13:26:32
End at: 2019-02-05 13:27:02
Local clock offset: -0.004 ms
Remote clock offset: -0.606 ms

Below is generated by plot.py at 2019-02-05 16:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.17 Mbit/s
95th percentile per-packet one-way delay: 62.907 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.17 Mbit/s
95th percentile per-packet one-way delay: 62.907 ms
Loss rate: 0.00%

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

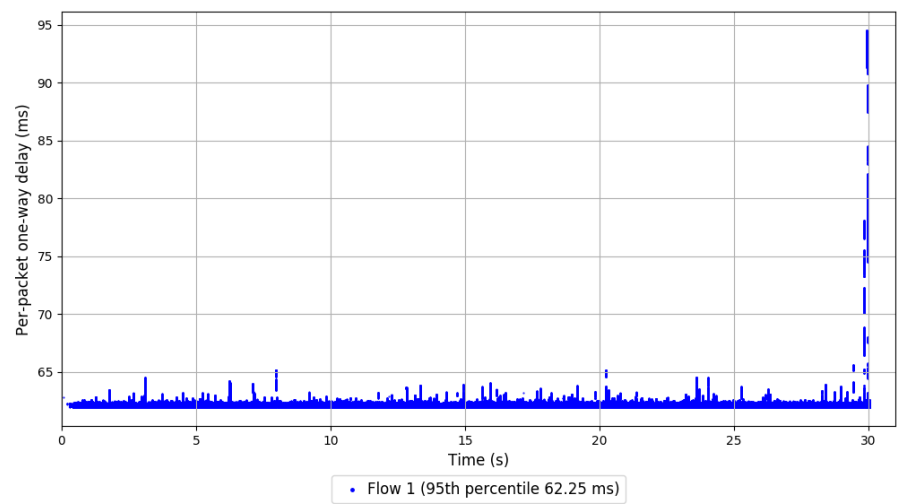
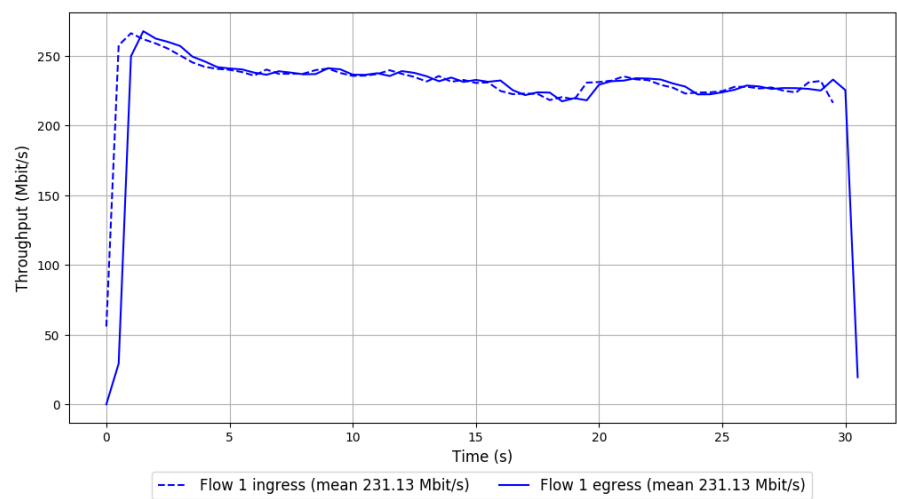


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-05 13:57:07
End at: 2019-02-05 13:57:37
Local clock offset: -0.006 ms
Remote clock offset: -0.756 ms

Below is generated by plot.py at 2019-02-05 16:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.13 Mbit/s
95th percentile per-packet one-way delay: 62.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.13 Mbit/s
95th percentile per-packet one-way delay: 62.252 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-05 14:28:10

End at: 2019-02-05 14:28:40

Local clock offset: -0.197 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2019-02-05 16:49:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.39 Mbit/s

95th percentile per-packet one-way delay: 63.580 ms

Loss rate: 0.00%

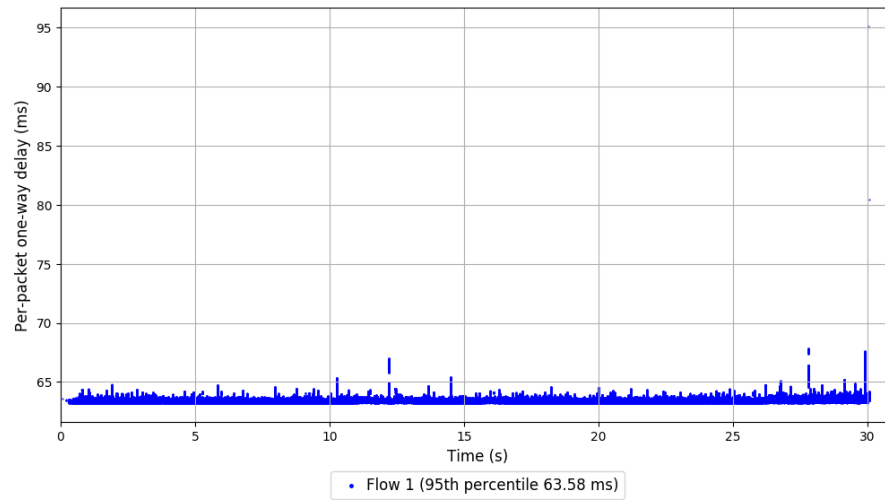
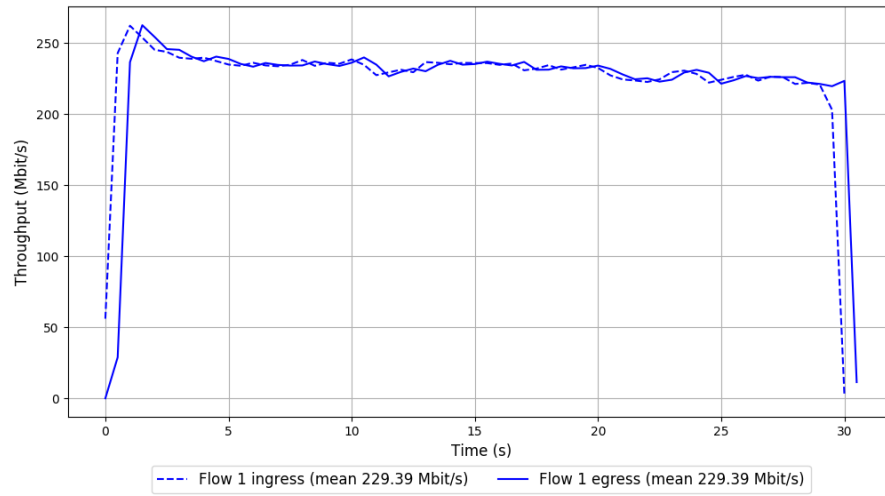
-- Flow 1:

Average throughput: 229.39 Mbit/s

95th percentile per-packet one-way delay: 63.580 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-05 12:37:36

End at: 2019-02-05 12:38:06

Local clock offset: -0.112 ms

Remote clock offset: 0.601 ms

Below is generated by plot.py at 2019-02-05 16:51:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.62 Mbit/s

95th percentile per-packet one-way delay: 64.089 ms

Loss rate: 0.00%

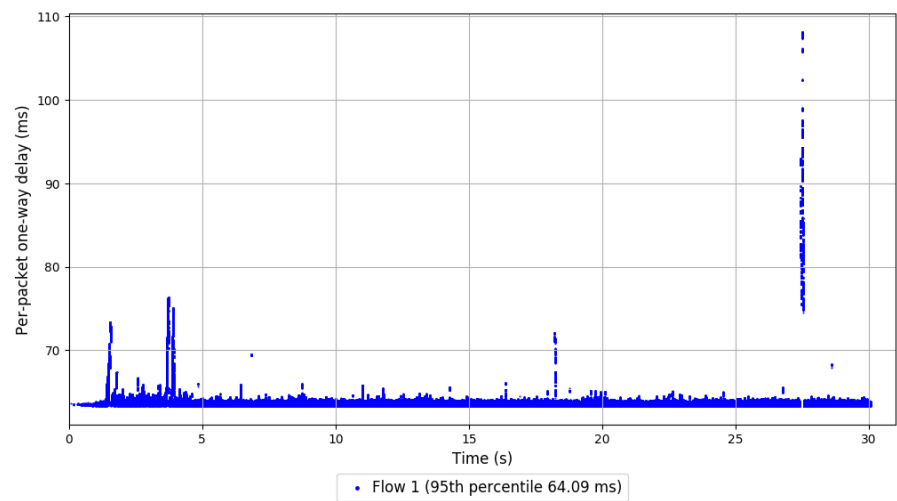
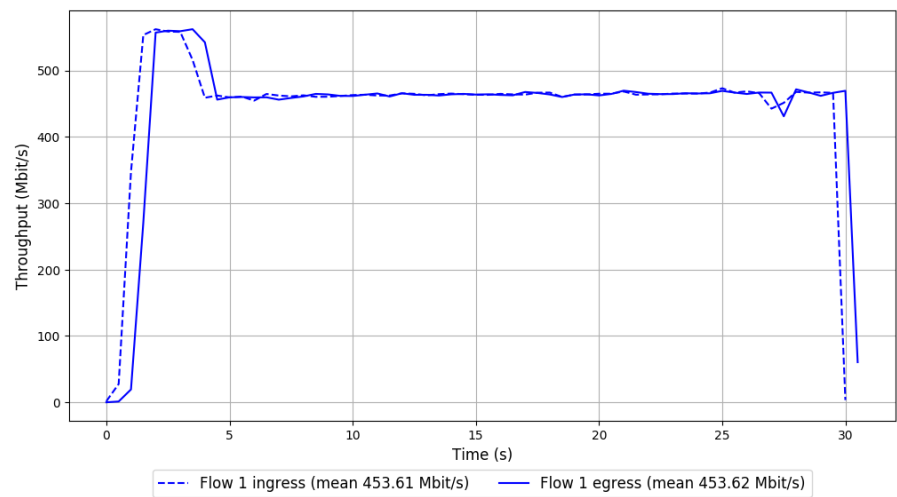
-- Flow 1:

Average throughput: 453.62 Mbit/s

95th percentile per-packet one-way delay: 64.089 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-02-05 13:08:27

End at: 2019-02-05 13:08:57

Local clock offset: 0.029 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-02-05 16:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.56 Mbit/s

95th percentile per-packet one-way delay: 63.527 ms

Loss rate: 0.00%

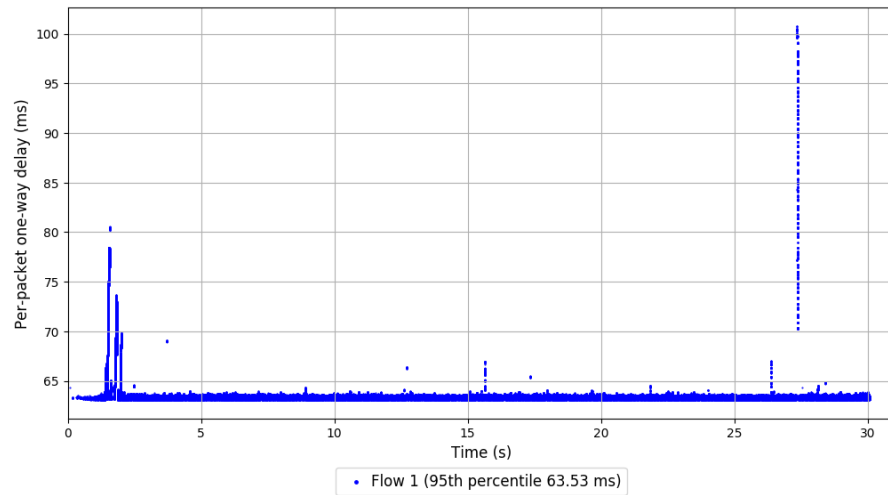
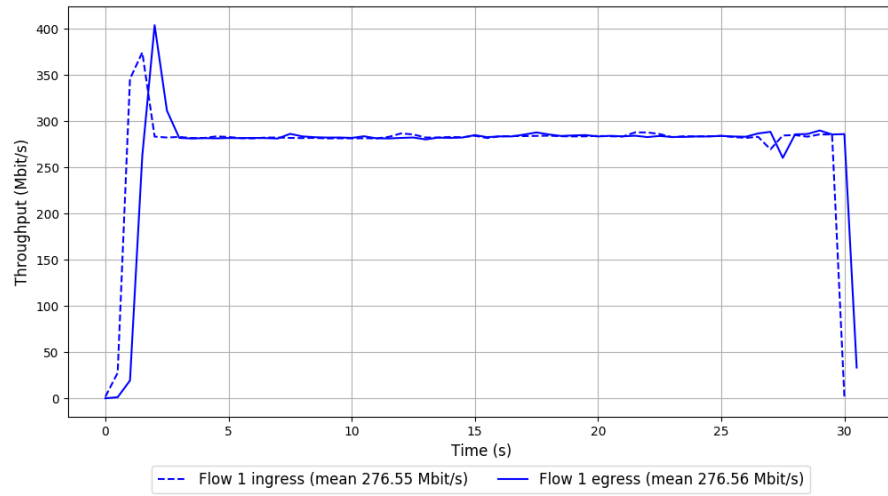
-- Flow 1:

Average throughput: 276.56 Mbit/s

95th percentile per-packet one-way delay: 63.527 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

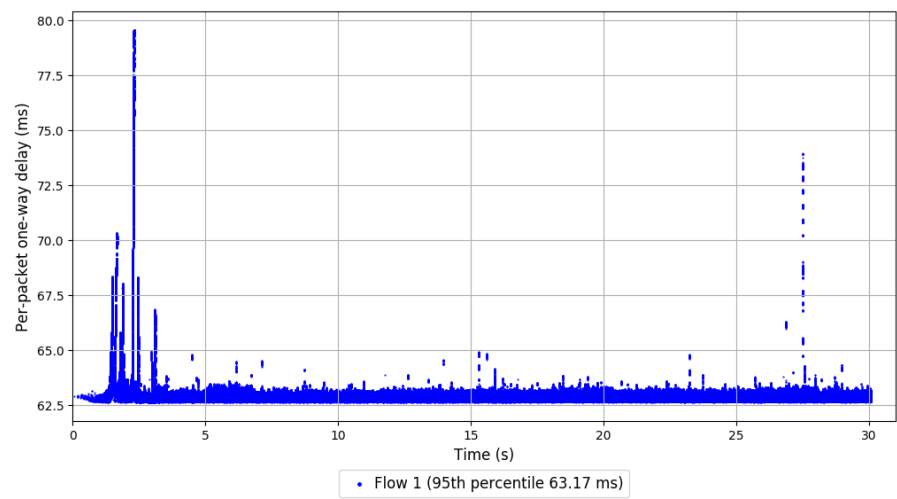
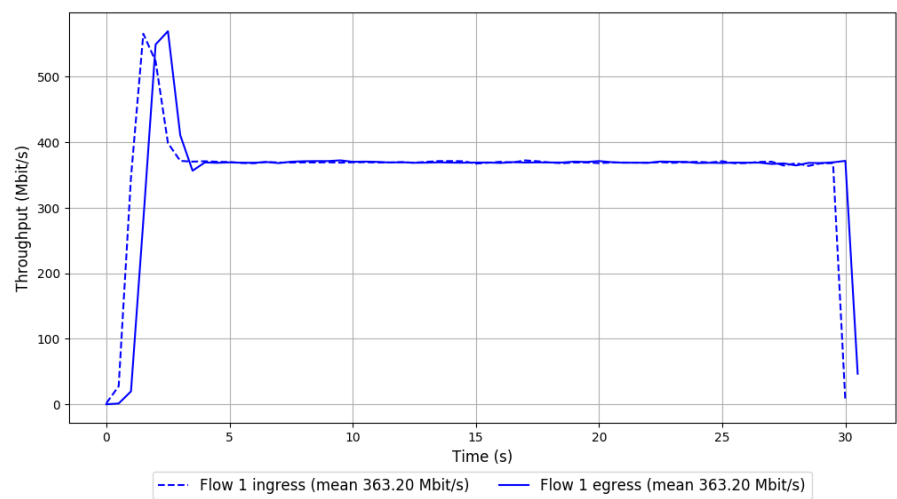


Run 3: Statistics of TCP Vegas

Start at: 2019-02-05 13:39:18
End at: 2019-02-05 13:39:48
Local clock offset: -0.018 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2019-02-05 16:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.20 Mbit/s
95th percentile per-packet one-way delay: 63.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.20 Mbit/s
95th percentile per-packet one-way delay: 63.174 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

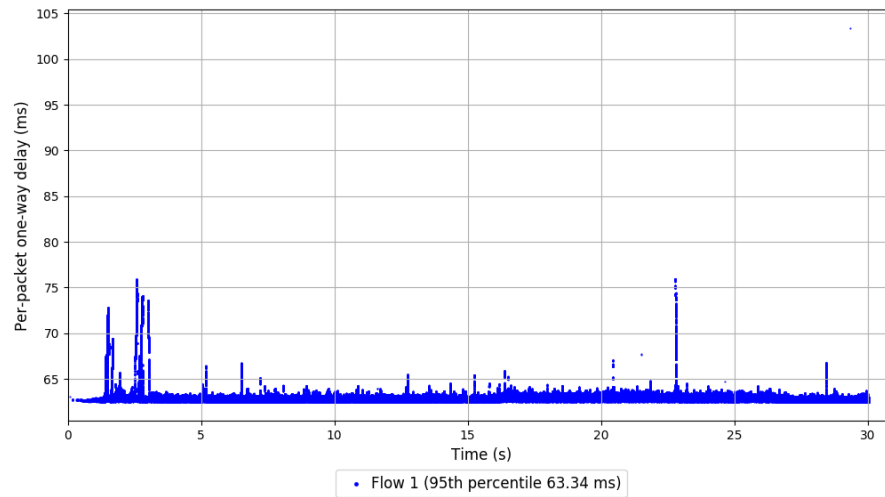
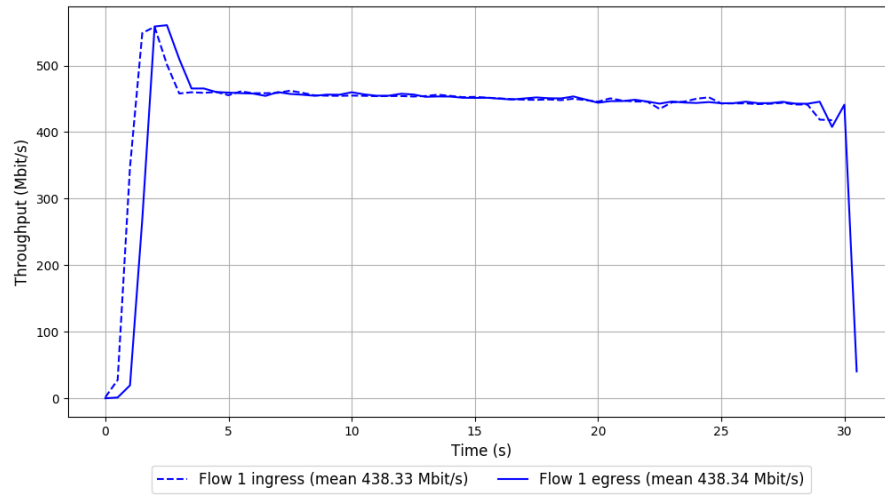


Run 4: Statistics of TCP Vegas

Start at: 2019-02-05 14:09:52
End at: 2019-02-05 14:10:22
Local clock offset: -0.154 ms
Remote clock offset: -0.669 ms

Below is generated by plot.py at 2019-02-05 16:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 438.34 Mbit/s
95th percentile per-packet one-way delay: 63.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 438.34 Mbit/s
95th percentile per-packet one-way delay: 63.337 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

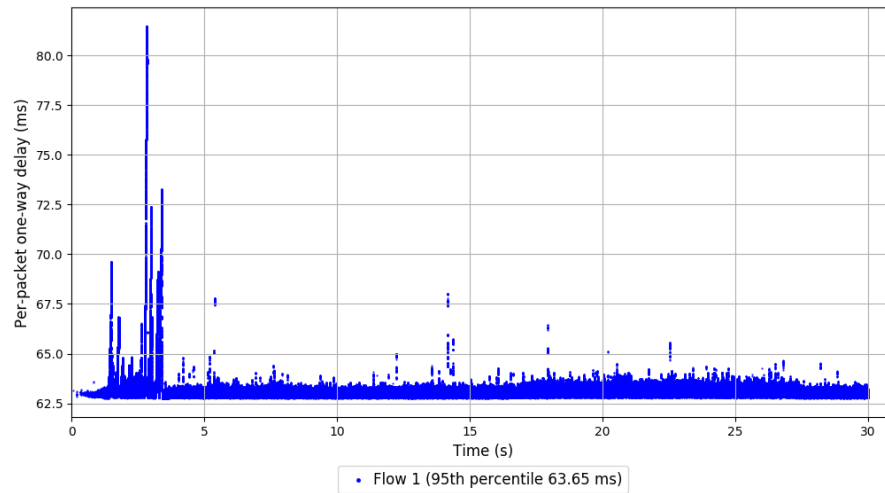
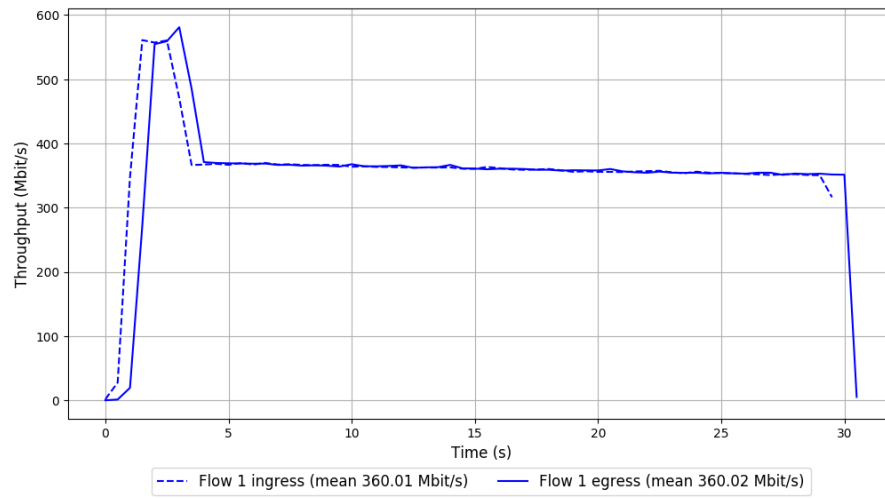


Run 5: Statistics of TCP Vegas

Start at: 2019-02-05 14:40:57
End at: 2019-02-05 14:41:27
Local clock offset: -0.234 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-02-05 16:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.02 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.02 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

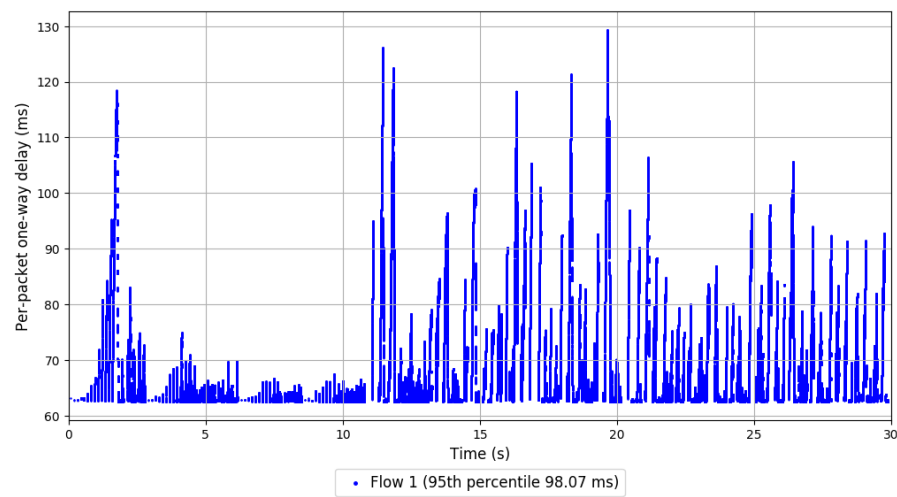
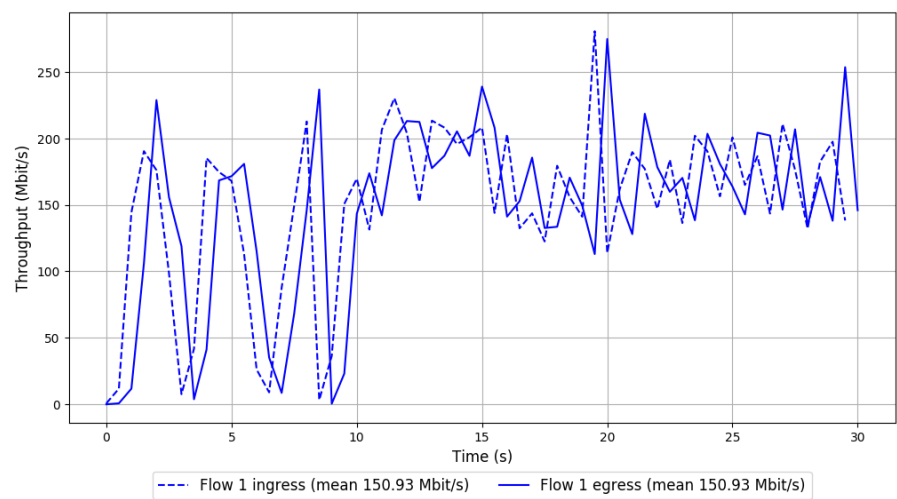


Run 1: Statistics of Verus

Start at: 2019-02-05 12:33:17
End at: 2019-02-05 12:33:47
Local clock offset: -0.107 ms
Remote clock offset: -0.615 ms

Below is generated by plot.py at 2019-02-05 16:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 98.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 98.066 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-05 13:04:05

End at: 2019-02-05 13:04:35

Local clock offset: -0.018 ms

Remote clock offset: 0.54 ms

Below is generated by plot.py at 2019-02-05 16:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.86 Mbit/s

95th percentile per-packet one-way delay: 175.694 ms

Loss rate: 1.33%

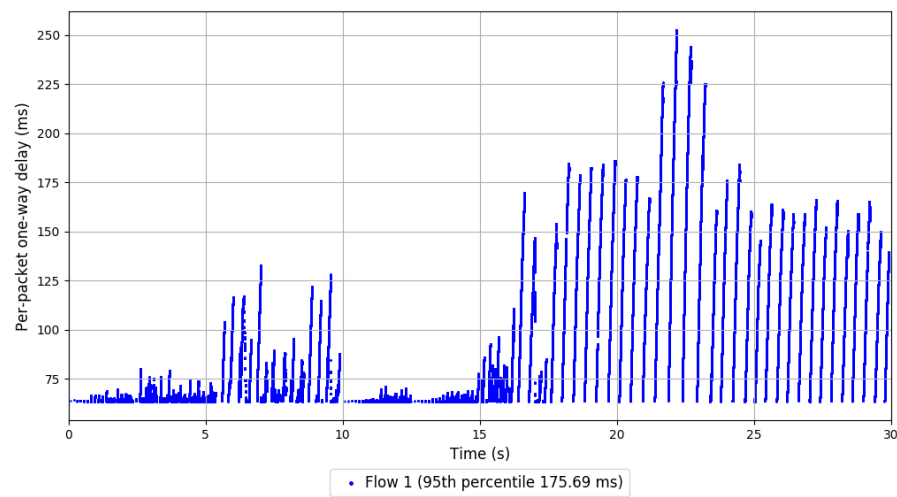
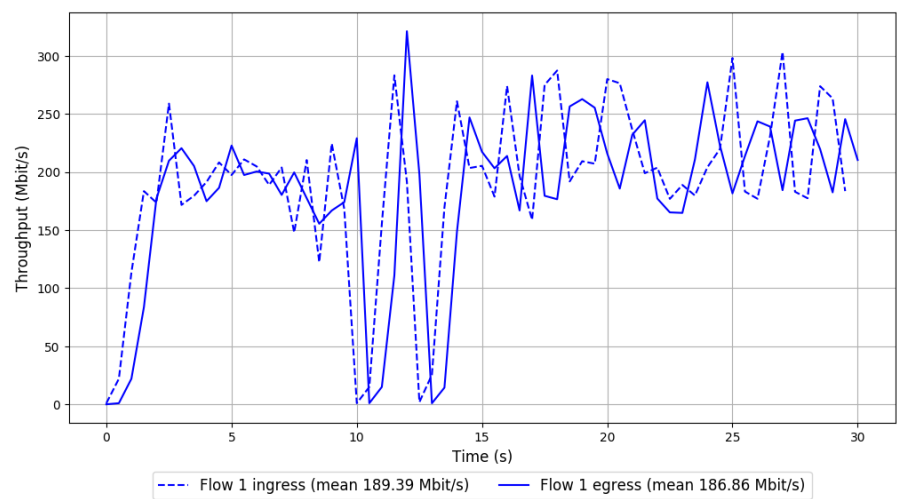
-- Flow 1:

Average throughput: 186.86 Mbit/s

95th percentile per-packet one-way delay: 175.694 ms

Loss rate: 1.33%

Run 2: Report of Verus — Data Link

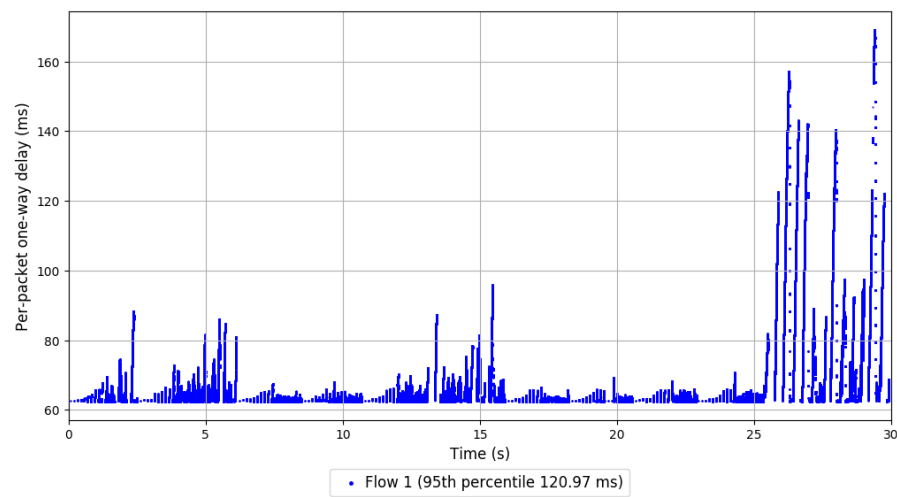
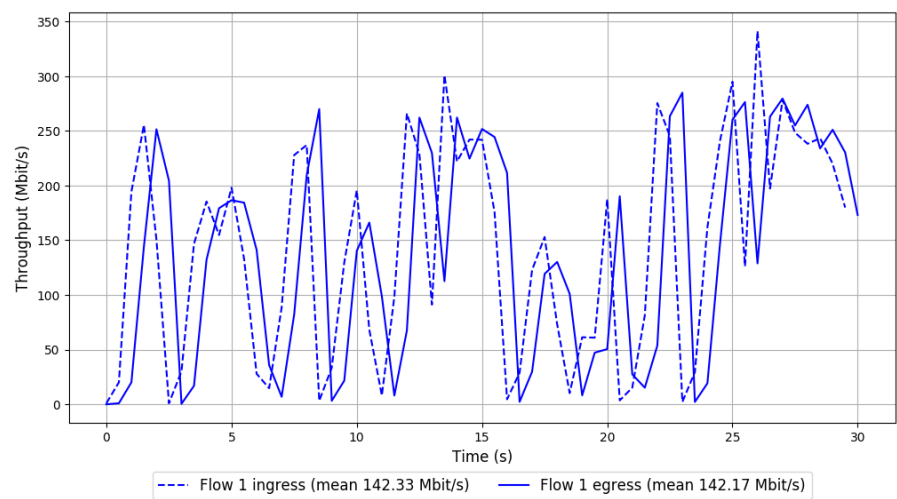


Run 3: Statistics of Verus

Start at: 2019-02-05 13:34:59
End at: 2019-02-05 13:35:29
Local clock offset: -0.014 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2019-02-05 16:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.17 Mbit/s
95th percentile per-packet one-way delay: 120.966 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 142.17 Mbit/s
95th percentile per-packet one-way delay: 120.966 ms
Loss rate: 0.11%

Run 3: Report of Verus — Data Link

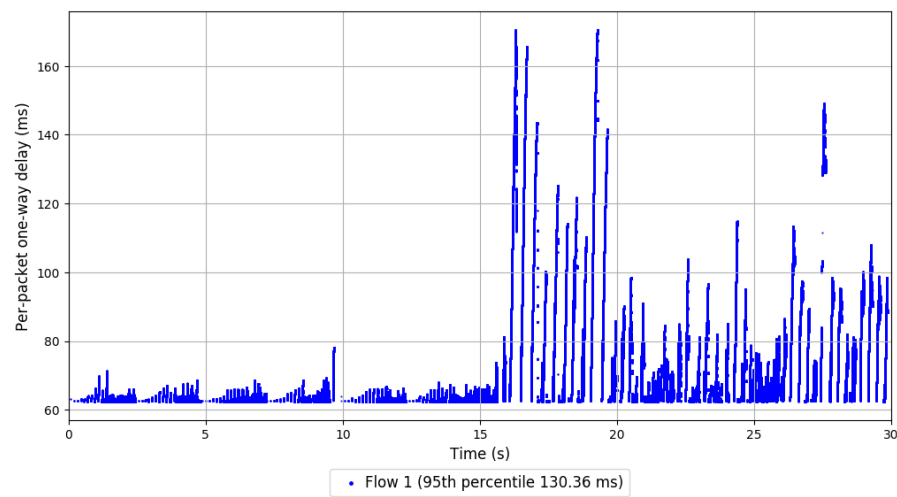
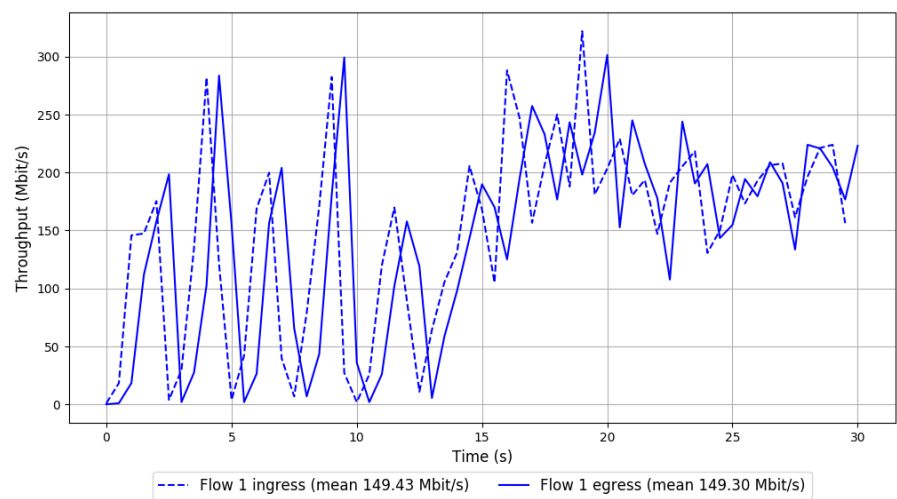


Run 4: Statistics of Verus

Start at: 2019-02-05 14:05:31
End at: 2019-02-05 14:06:01
Local clock offset: -0.118 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2019-02-05 16:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.30 Mbit/s
95th percentile per-packet one-way delay: 130.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.30 Mbit/s
95th percentile per-packet one-way delay: 130.362 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

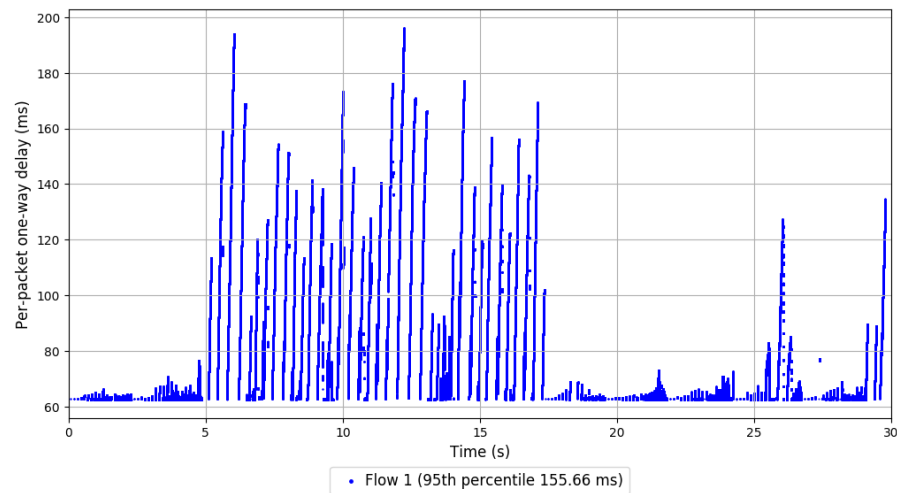
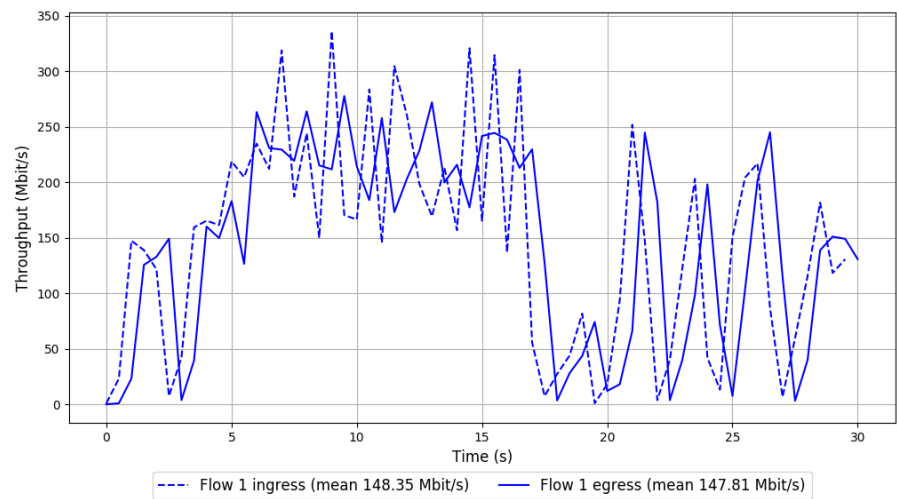


Run 5: Statistics of Verus

Start at: 2019-02-05 14:36:37
End at: 2019-02-05 14:37:07
Local clock offset: -0.219 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2019-02-05 16:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.81 Mbit/s
95th percentile per-packet one-way delay: 155.658 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 147.81 Mbit/s
95th percentile per-packet one-way delay: 155.658 ms
Loss rate: 0.13%

Run 5: Report of Verus — Data Link

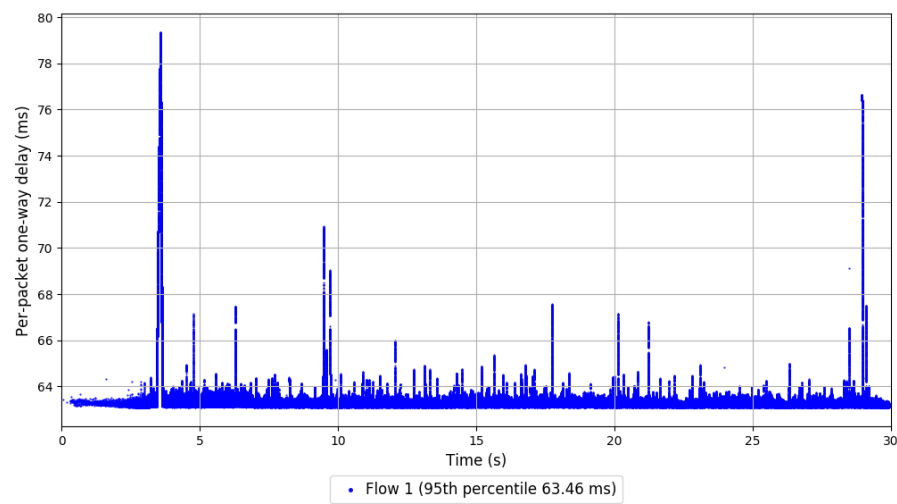
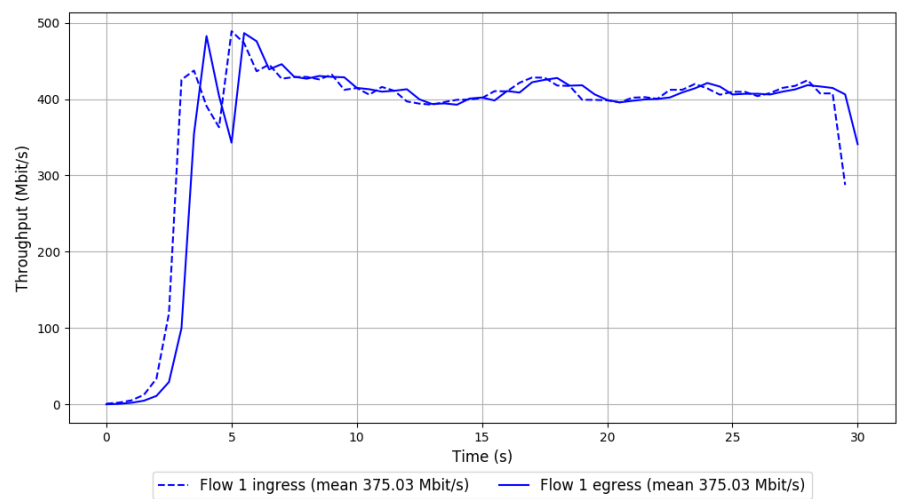


Run 1: Statistics of PCC-Vivace

Start at: 2019-02-05 12:31:43
End at: 2019-02-05 12:32:14
Local clock offset: -0.085 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-02-05 17:00:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.03 Mbit/s
95th percentile per-packet one-way delay: 63.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 375.03 Mbit/s
95th percentile per-packet one-way delay: 63.463 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

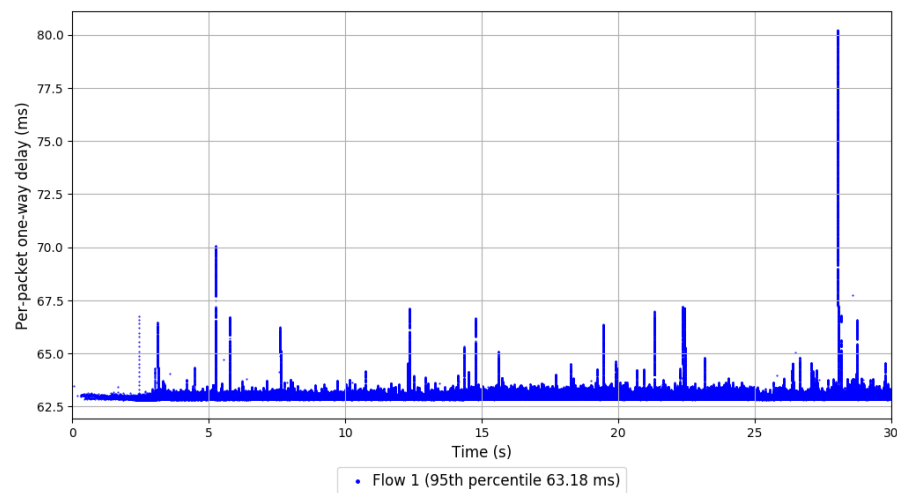
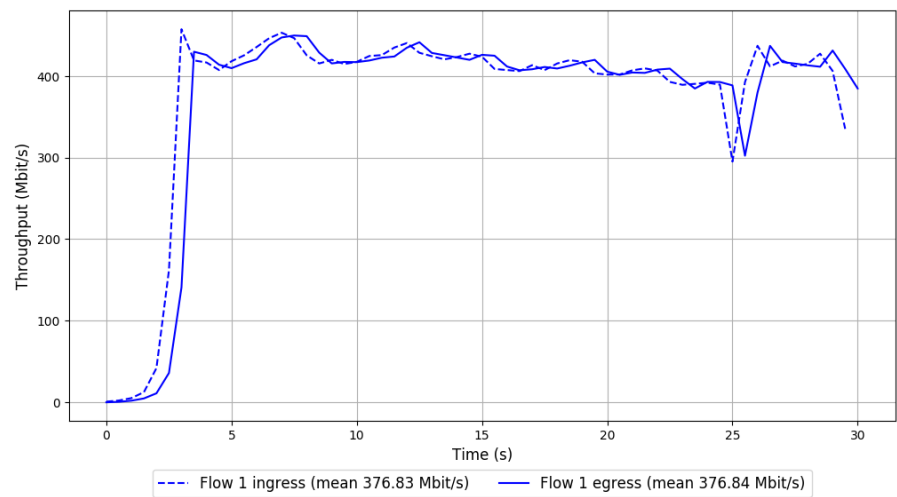


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-05 13:02:31
End at: 2019-02-05 13:03:01
Local clock offset: -0.01 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2019-02-05 17:01:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.84 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.84 Mbit/s
95th percentile per-packet one-way delay: 63.179 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

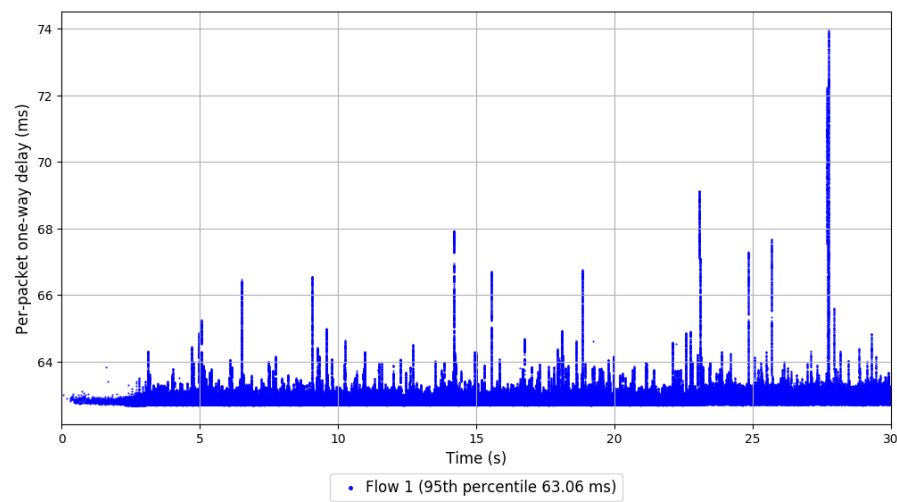
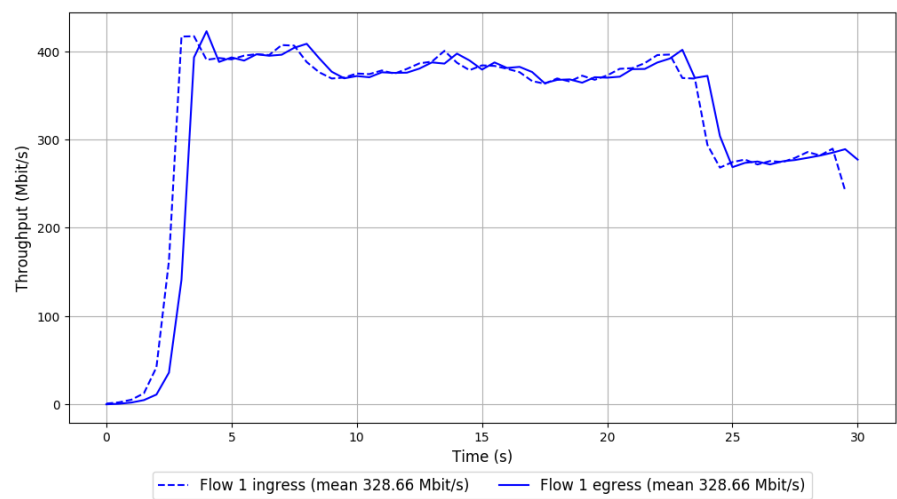


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-05 13:33:28
End at: 2019-02-05 13:33:58
Local clock offset: -0.01 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2019-02-05 17:01:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.66 Mbit/s
95th percentile per-packet one-way delay: 63.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.66 Mbit/s
95th percentile per-packet one-way delay: 63.059 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

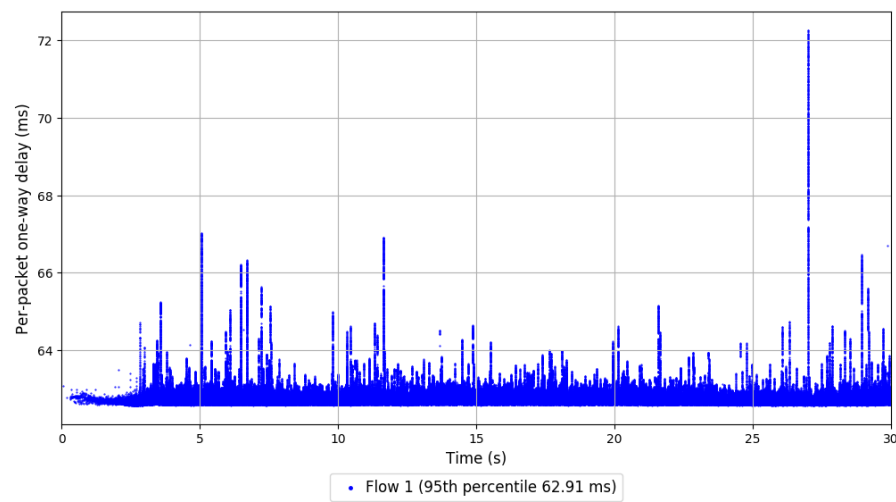
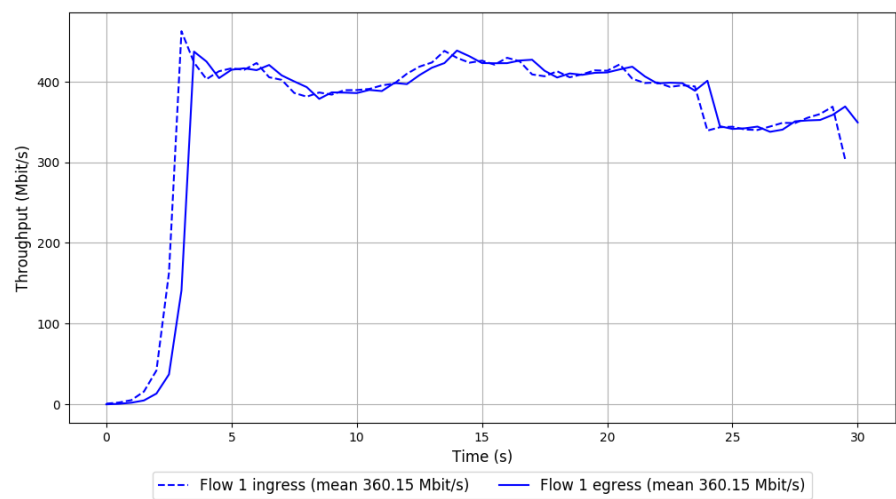


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-05 14:03:59
End at: 2019-02-05 14:04:29
Local clock offset: -0.101 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-02-05 17:01:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.15 Mbit/s
95th percentile per-packet one-way delay: 62.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.15 Mbit/s
95th percentile per-packet one-way delay: 62.913 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-05 14:35:04

End at: 2019-02-05 14:35:34

Local clock offset: -0.199 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2019-02-05 17:01:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.13 Mbit/s

95th percentile per-packet one-way delay: 64.072 ms

Loss rate: 0.00%

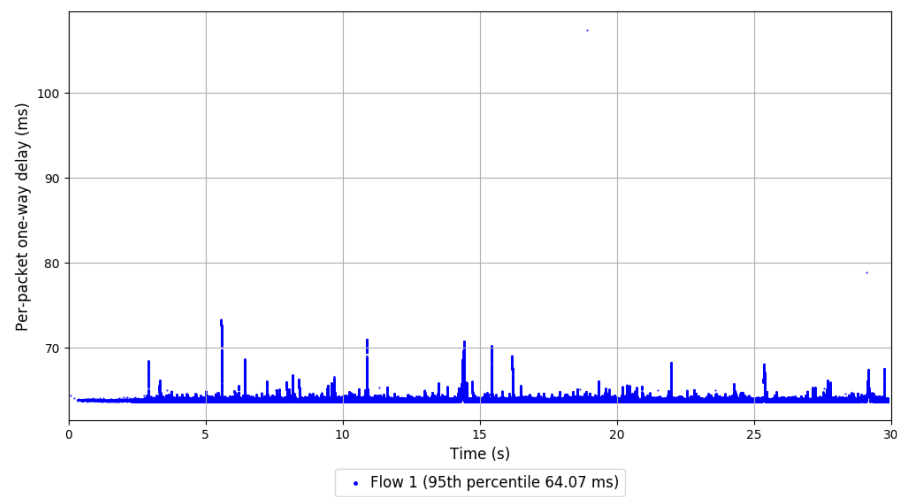
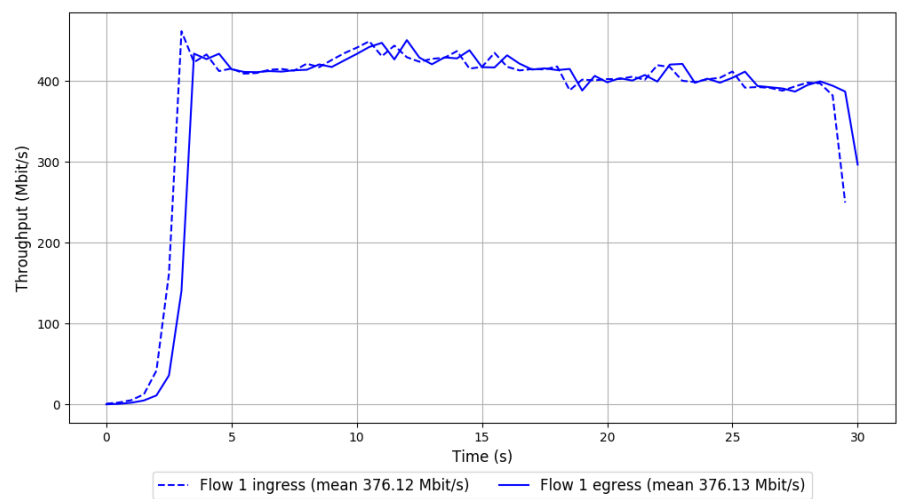
-- Flow 1:

Average throughput: 376.13 Mbit/s

95th percentile per-packet one-way delay: 64.072 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

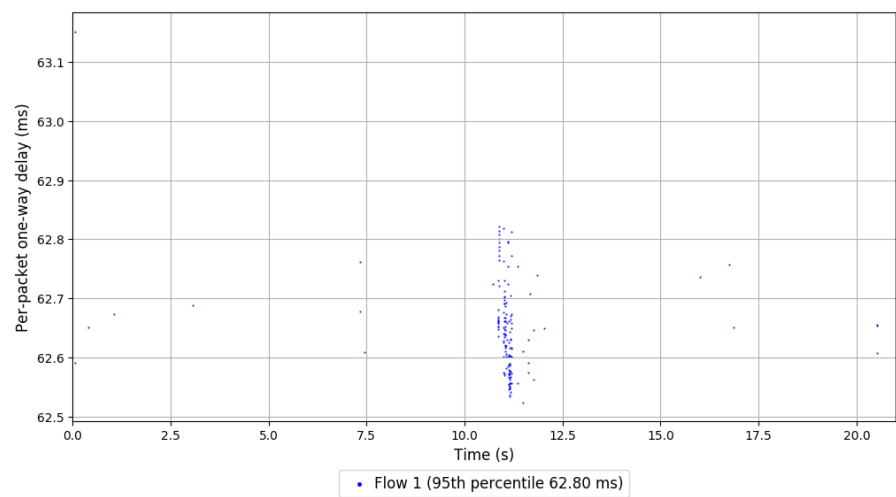
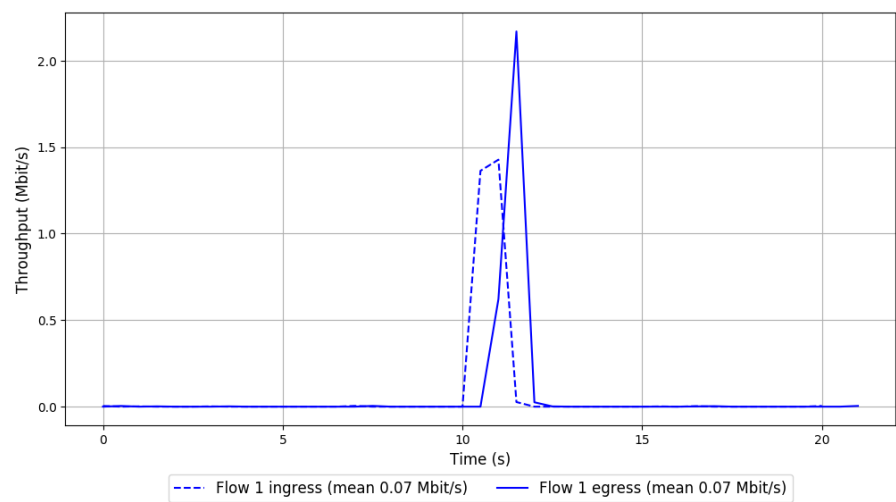
Start at: 2019-02-05 12:29:27

End at: 2019-02-05 12:29:57

Local clock offset: -0.013 ms

Remote clock offset: -0.163 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-05 13:00:14

End at: 2019-02-05 13:00:44

Local clock offset: 0.0 ms

Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-02-05 17:01:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.894 ms

Loss rate: 0.00%

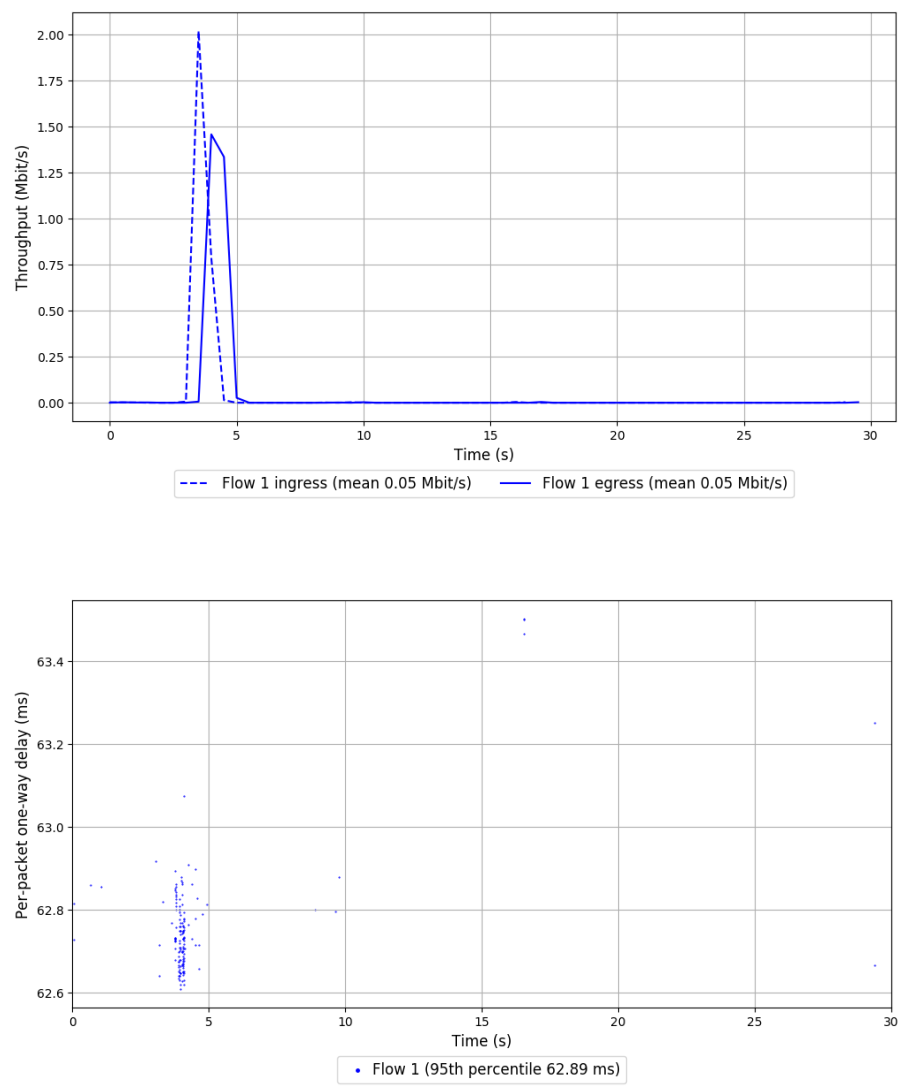
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.894 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-02-05 13:31:11

End at: 2019-02-05 13:31:41

Local clock offset: 0.029 ms

Remote clock offset: -0.6 ms

Below is generated by plot.py at 2019-02-05 17:01:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.509 ms

Loss rate: 0.00%

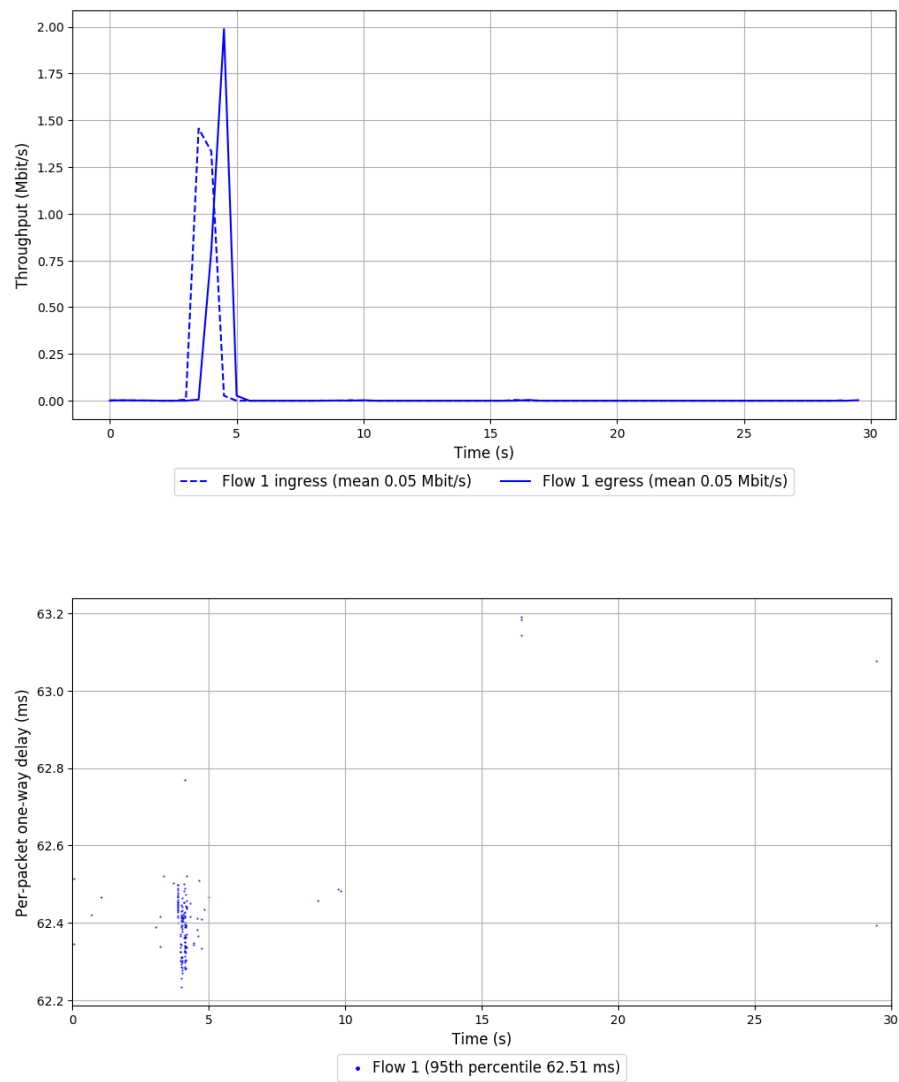
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 62.509 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

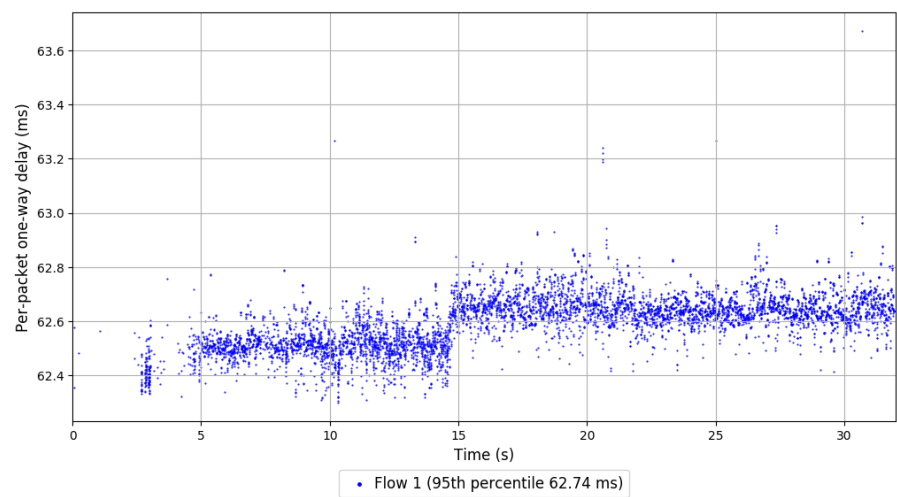
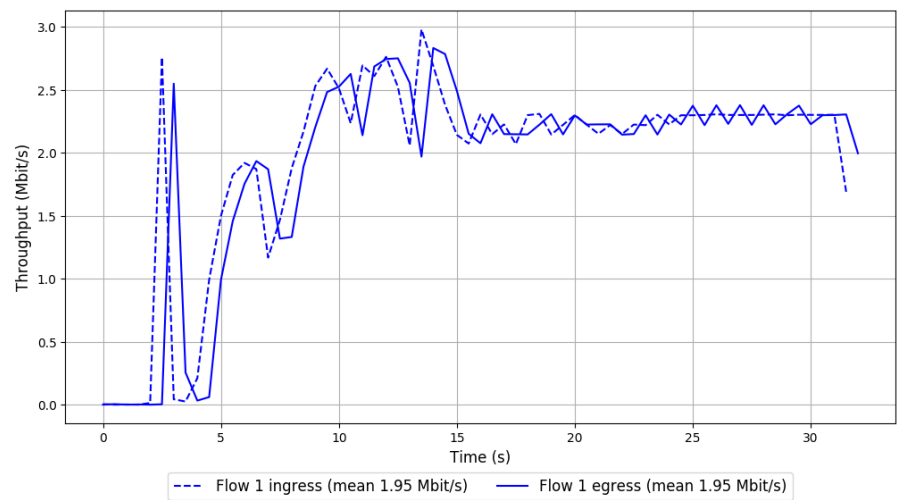


Run 4: Statistics of WebRTC media

Start at: 2019-02-05 14:01:41
End at: 2019-02-05 14:02:11
Local clock offset: -0.071 ms
Remote clock offset: -0.663 ms

Below is generated by plot.py at 2019-02-05 17:01:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 62.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 62.737 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-05 14:32:47

End at: 2019-02-05 14:33:17

Local clock offset: -0.193 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2019-02-05 17:01:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 63.156 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 63.156 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

