

Pantheon Report

Generated at 2019-02-11 14:12:20 (UTC).

Data path: AWS California 2 on **ens5** (*local*) → Mexico on **em1** (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

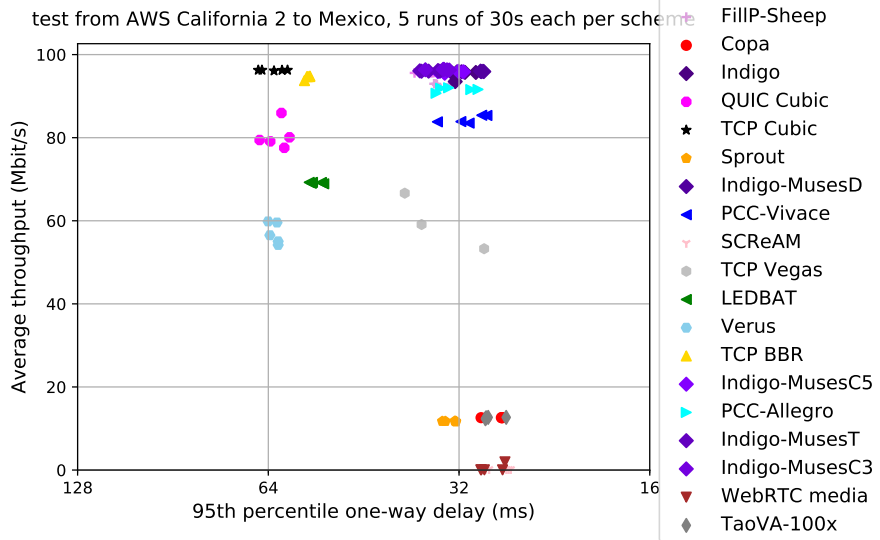
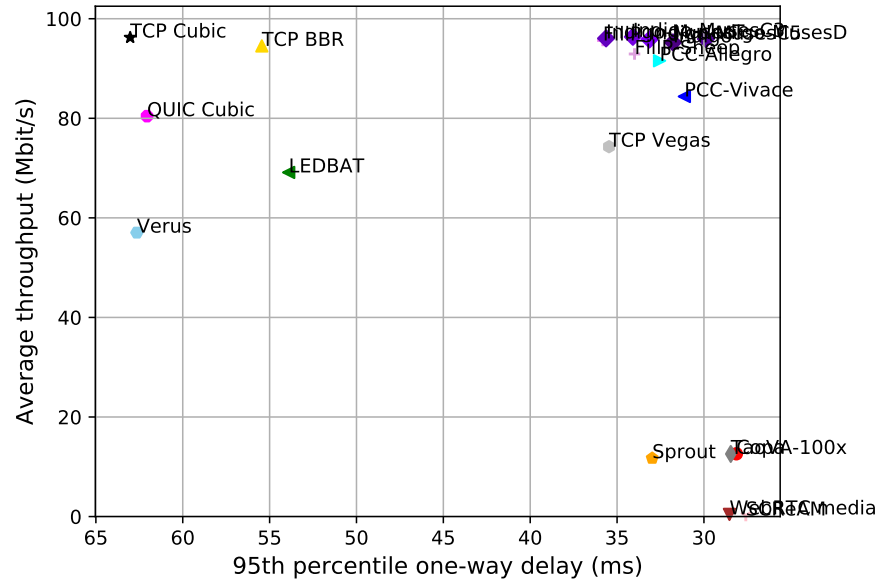
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS California 2 to Mexico, 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	94.54	55.45	0.88
Copa	5	12.61	28.13	69.67
TCP Cubic	5	96.23	63.03	0.46
FillP	5	95.64	35.82	0.64
FillP-Sheep	5	92.92	33.99	0.65
Indigo	5	95.25	31.78	0.03
Indigo-MusesC3	5	96.37	34.09	0.04
Indigo-MusesC5	5	95.83	33.13	0.05
Indigo-MusesD	5	95.93	29.88	0.03
Indigo-MusesT	5	96.05	35.63	0.75
LEDBAT	5	69.13	53.90	0.00
PCC-Allegro	5	91.56	32.55	0.74
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	80.43	62.06	1.63
SCReAM	5	0.21	27.59	0.00
Sprout	5	11.73	32.98	0.10
TaoVA-100x	4	12.58	28.46	76.31
TCP Vegas	5	74.29	35.46	0.51
Verus	5	57.04	62.64	22.75
PCC-Vivace	5	84.39	31.13	0.02
WebRTC media	5	0.43	28.53	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-11 12:15:59

End at: 2019-02-11 12:16:29

Local clock offset: 0.045 ms

Remote clock offset: -7.448 ms

Below is generated by plot.py at 2019-02-11 14:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 55.022 ms

Loss rate: 0.87%

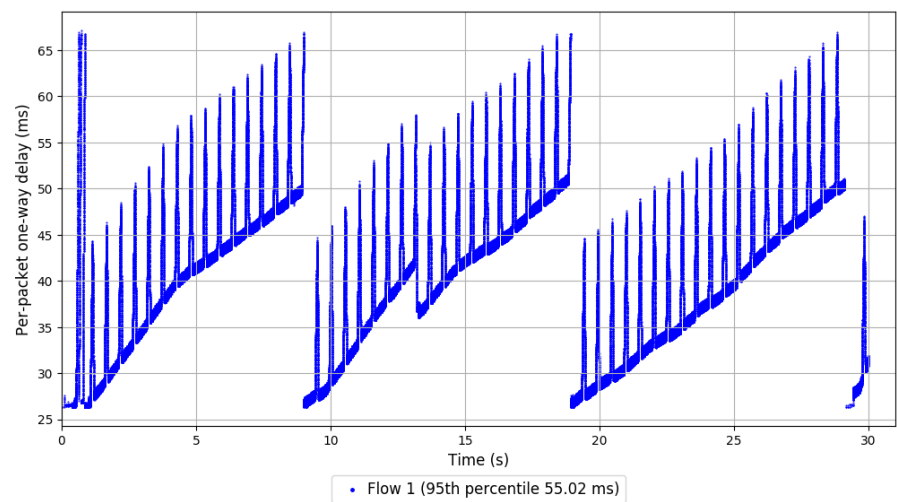
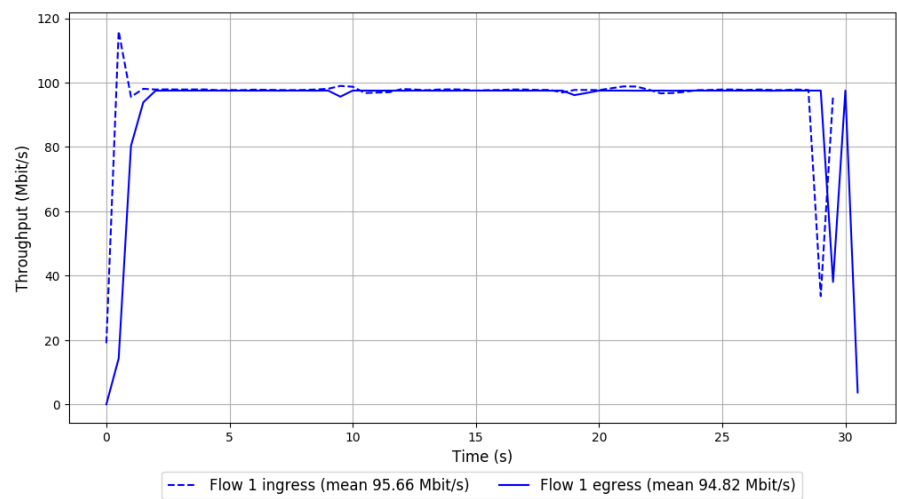
-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 55.022 ms

Loss rate: 0.87%

Run 1: Report of TCP BBR — Data Link

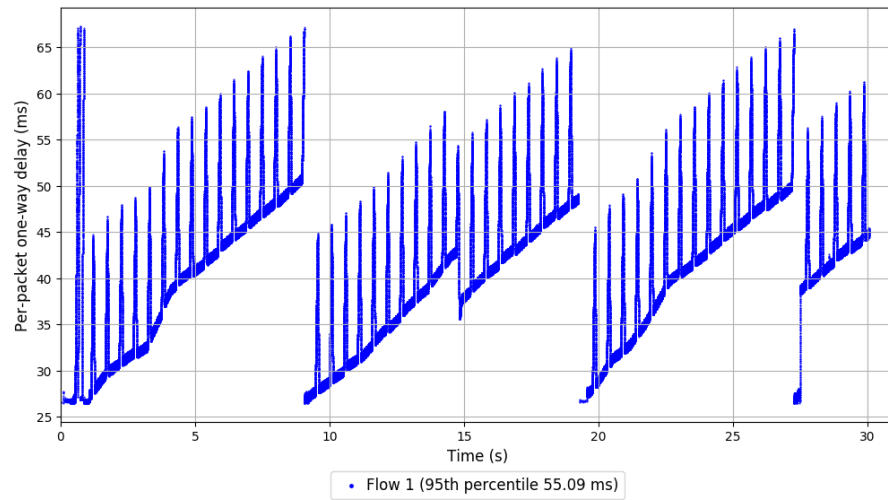
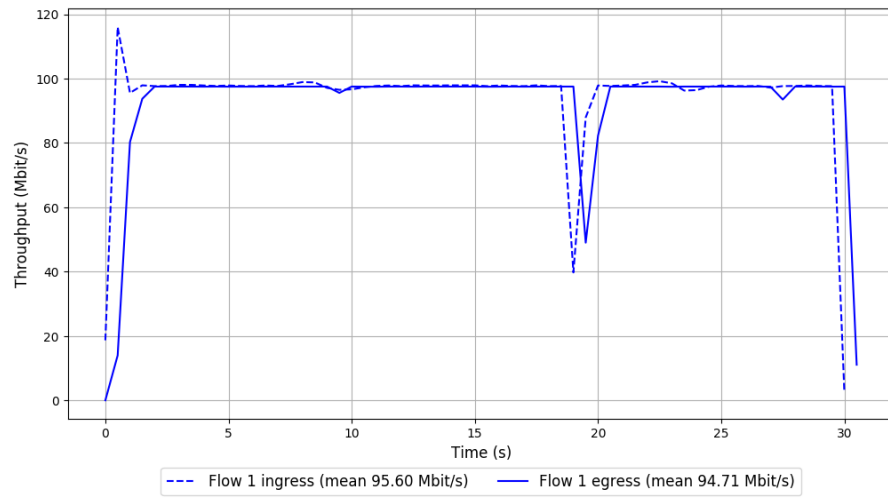


Run 2: Statistics of TCP BBR

Start at: 2019-02-11 12:40:12
End at: 2019-02-11 12:40:42
Local clock offset: 0.083 ms
Remote clock offset: -6.783 ms

Below is generated by plot.py at 2019-02-11 14:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 55.085 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 55.085 ms
Loss rate: 0.87%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-11 13:04:30

End at: 2019-02-11 13:05:00

Local clock offset: 0.028 ms

Remote clock offset: -5.967 ms

Below is generated by plot.py at 2019-02-11 14:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 55.398 ms

Loss rate: 0.93%

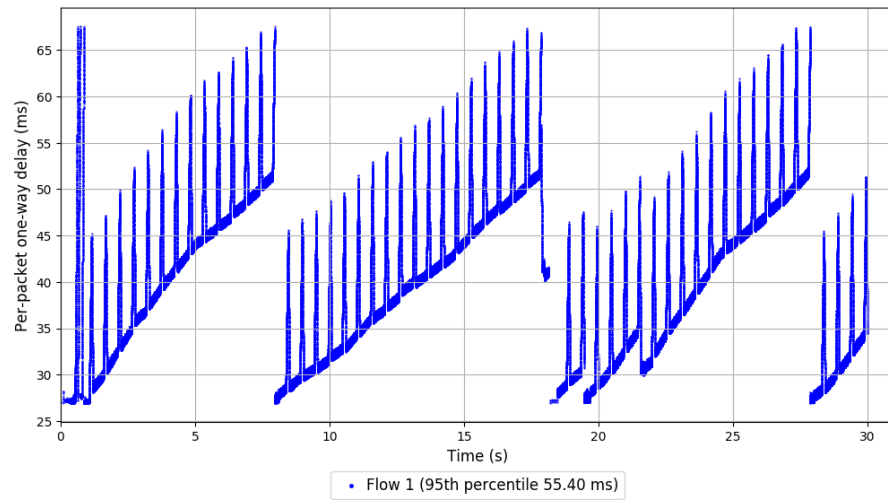
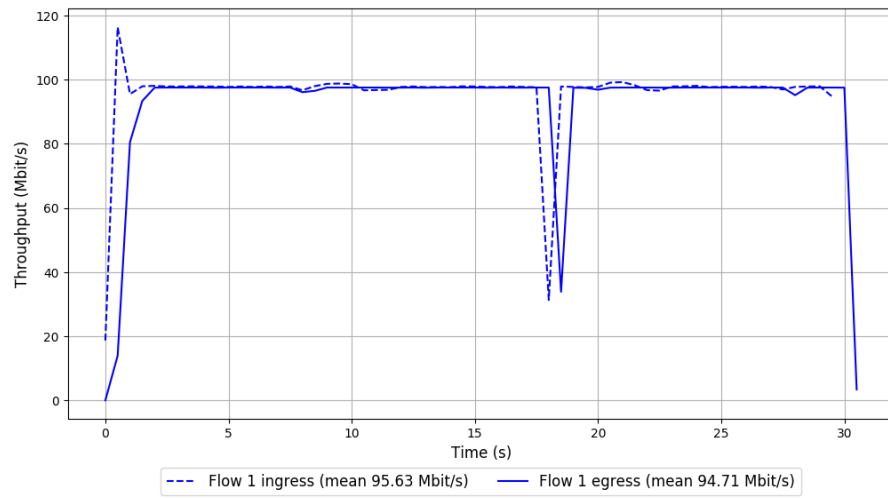
-- Flow 1:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 55.398 ms

Loss rate: 0.93%

Run 3: Report of TCP BBR — Data Link

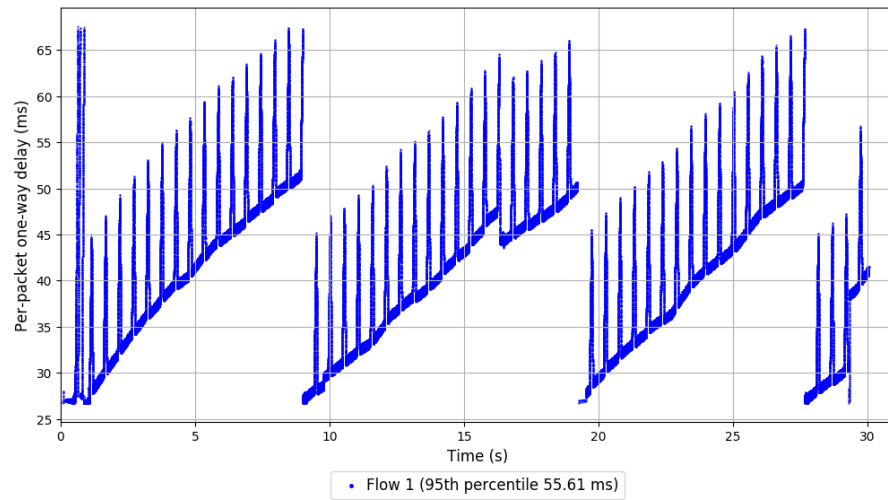
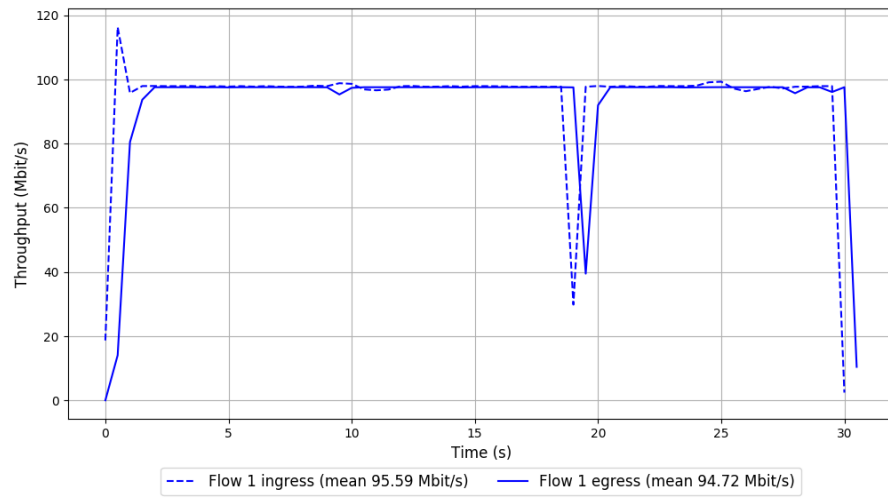


Run 4: Statistics of TCP BBR

Start at: 2019-02-11 13:28:41
End at: 2019-02-11 13:29:11
Local clock offset: 0.18 ms
Remote clock offset: -6.148 ms

Below is generated by plot.py at 2019-02-11 14:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 55.611 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 55.611 ms
Loss rate: 0.86%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-11 13:52:55

End at: 2019-02-11 13:53:25

Local clock offset: 3.473 ms

Remote clock offset: -4.781 ms

Below is generated by plot.py at 2019-02-11 14:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 56.119 ms

Loss rate: 0.88%

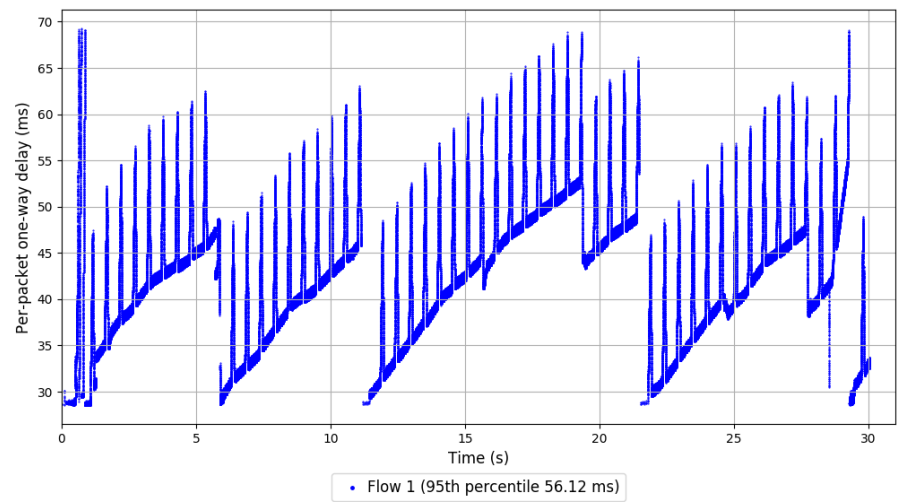
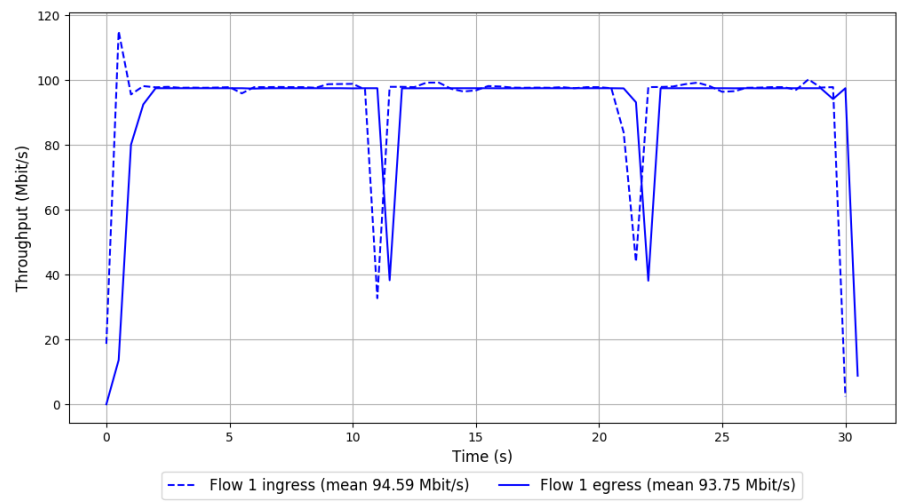
-- Flow 1:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 56.119 ms

Loss rate: 0.88%

Run 5: Report of TCP BBR — Data Link

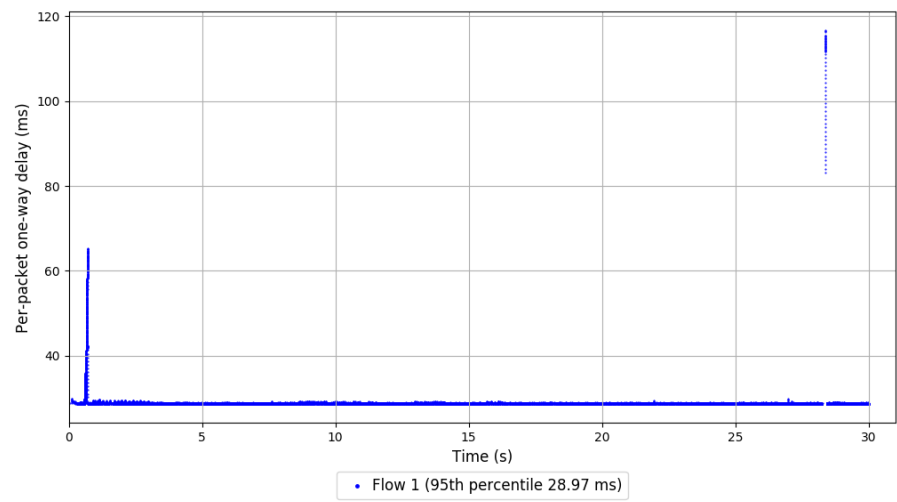
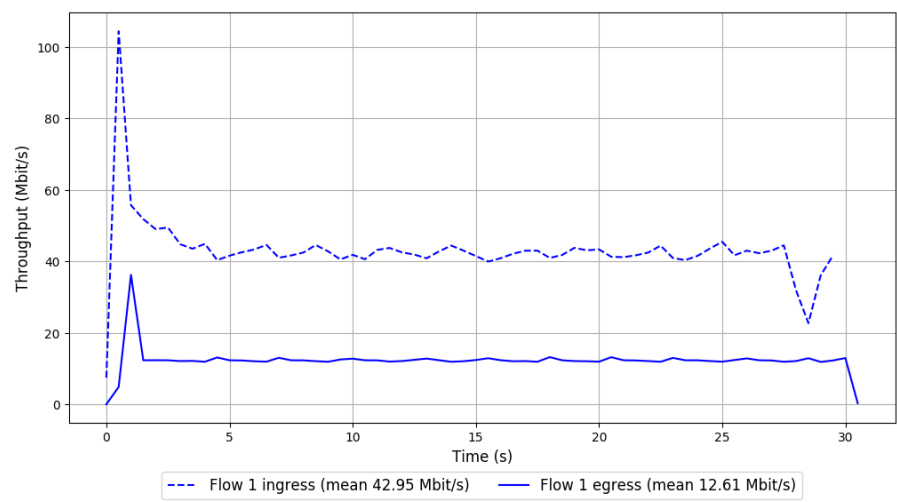


Run 1: Statistics of Copa

Start at: 2019-02-11 12:22:52
End at: 2019-02-11 12:23:22
Local clock offset: 0.066 ms
Remote clock offset: -5.035 ms

Below is generated by plot.py at 2019-02-11 14:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 28.971 ms
Loss rate: 70.65%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 28.971 ms
Loss rate: 70.65%

Run 1: Report of Copa — Data Link

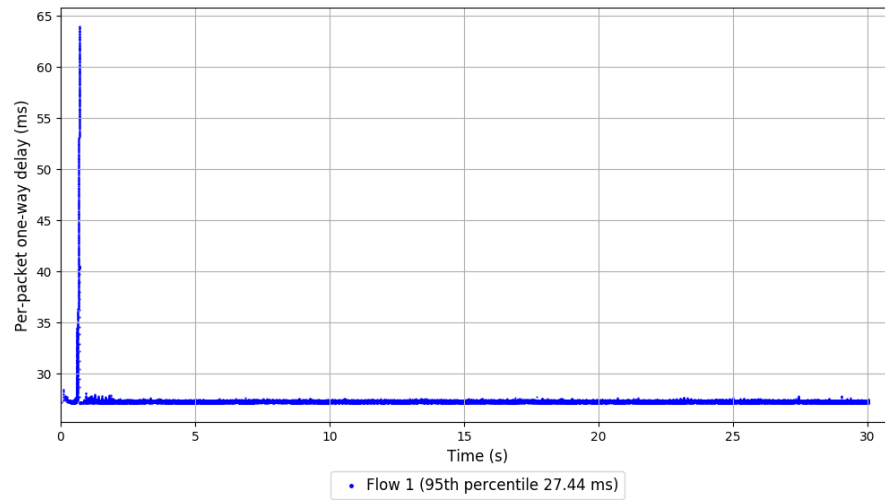
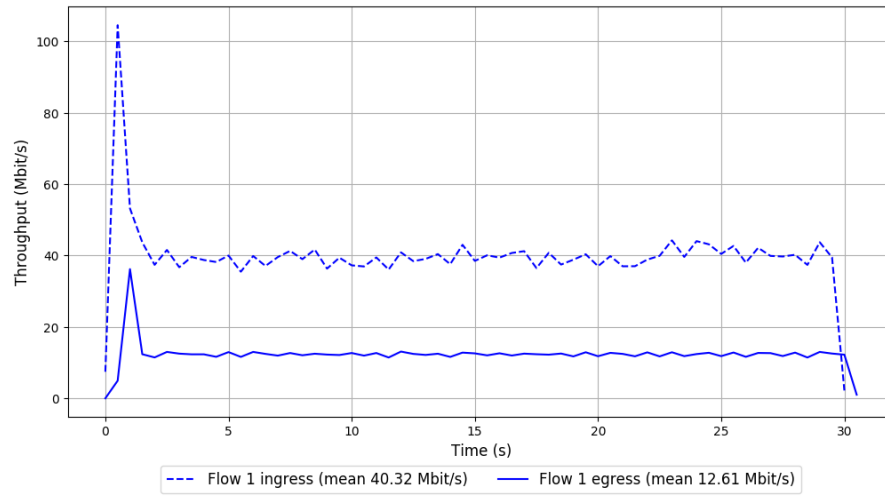


Run 2: Statistics of Copa

Start at: 2019-02-11 12:47:07
End at: 2019-02-11 12:47:37
Local clock offset: 0.049 ms
Remote clock offset: -6.027 ms

Below is generated by plot.py at 2019-02-11 14:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 27.438 ms
Loss rate: 68.73%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 27.438 ms
Loss rate: 68.73%

Run 2: Report of Copa — Data Link

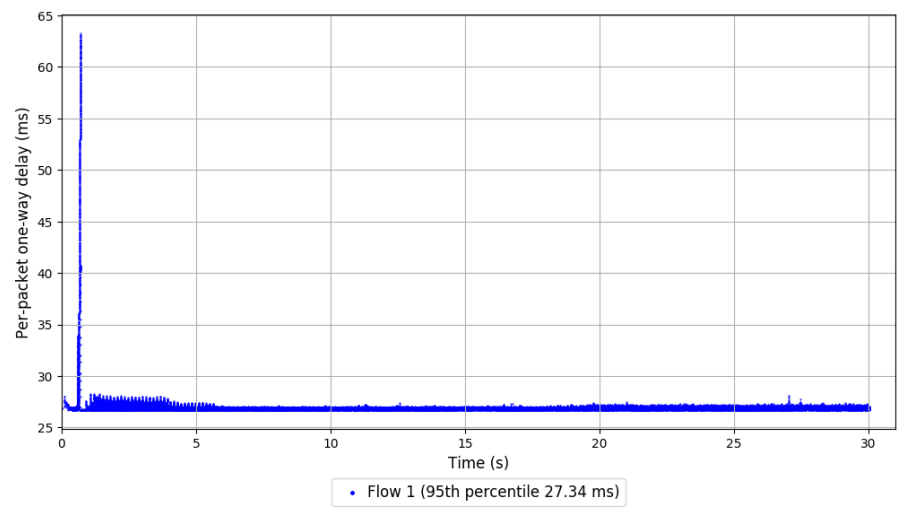
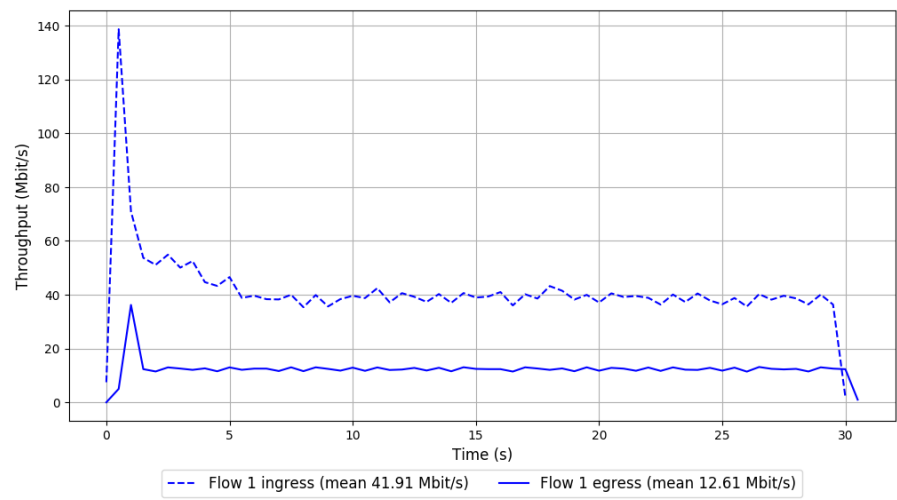


Run 3: Statistics of Copa

Start at: 2019-02-11 13:11:23
End at: 2019-02-11 13:11:53
Local clock offset: 0.104 ms
Remote clock offset: -6.003 ms

Below is generated by plot.py at 2019-02-11 14:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 27.341 ms
Loss rate: 69.91%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 27.341 ms
Loss rate: 69.91%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-11 13:35:35

End at: 2019-02-11 13:36:05

Local clock offset: 0.565 ms

Remote clock offset: -6.07 ms

Below is generated by plot.py at 2019-02-11 14:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 27.382 ms

Loss rate: 68.34%

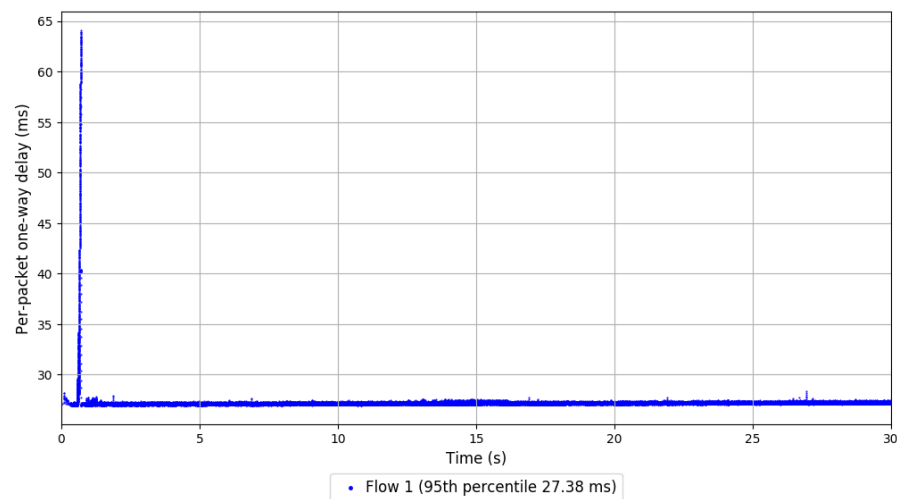
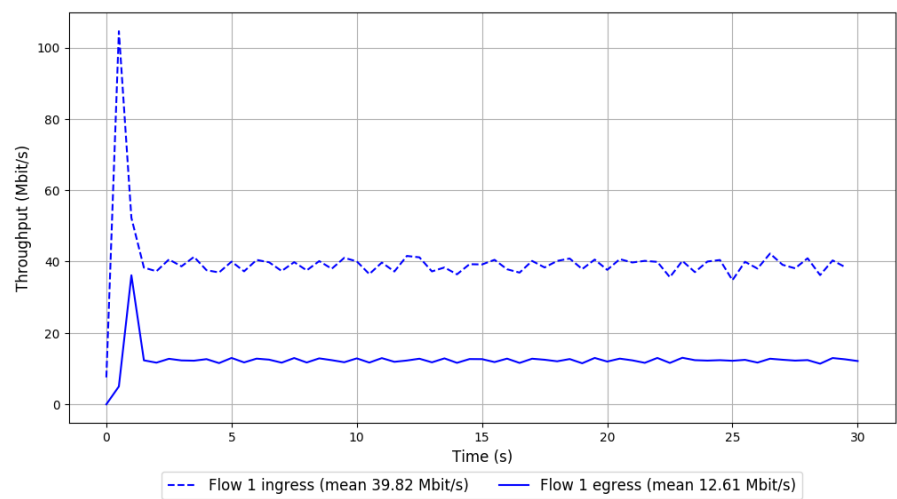
-- Flow 1:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 27.382 ms

Loss rate: 68.34%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-11 13:59:49

End at: 2019-02-11 14:00:19

Local clock offset: 3.944 ms

Remote clock offset: -4.25 ms

Below is generated by plot.py at 2019-02-11 14:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.60 Mbit/s

95th percentile per-packet one-way delay: 29.539 ms

Loss rate: 70.70%

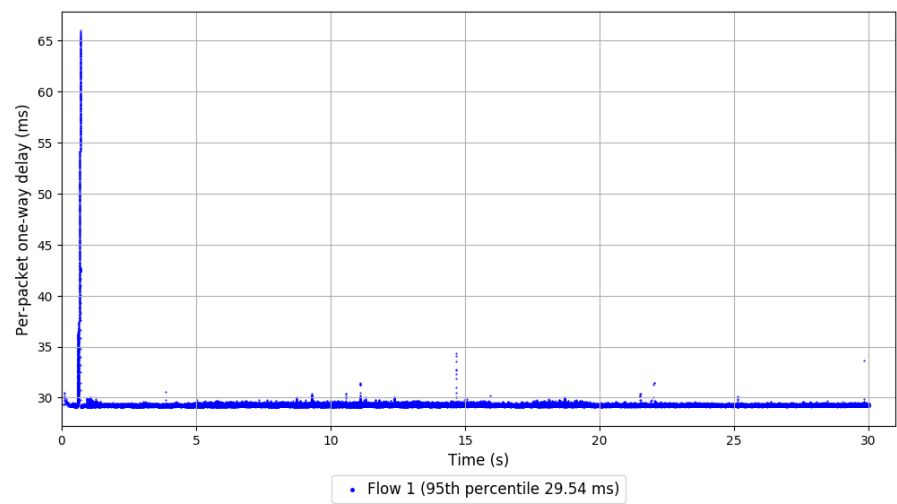
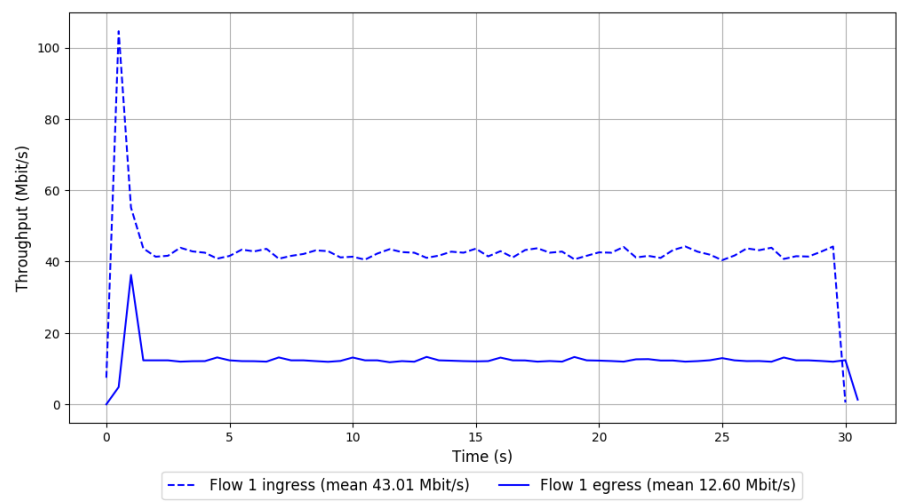
-- Flow 1:

Average throughput: 12.60 Mbit/s

95th percentile per-packet one-way delay: 29.539 ms

Loss rate: 70.70%

Run 5: Report of Copa — Data Link

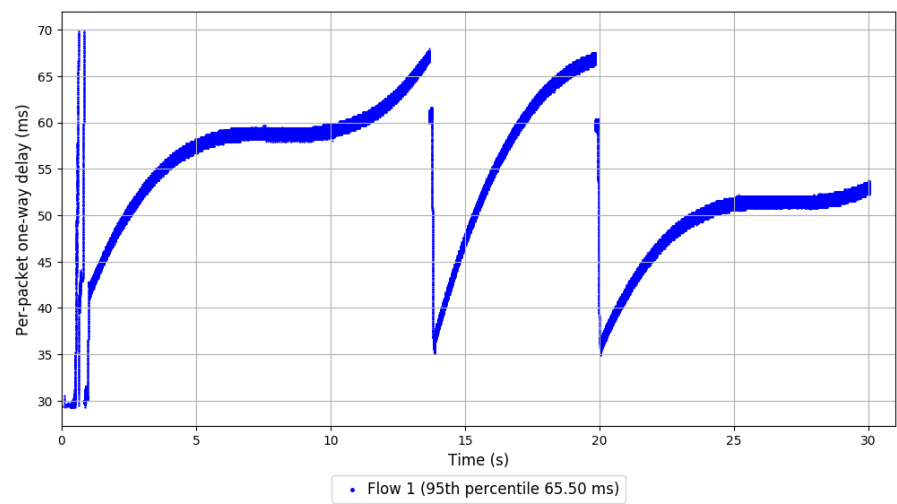
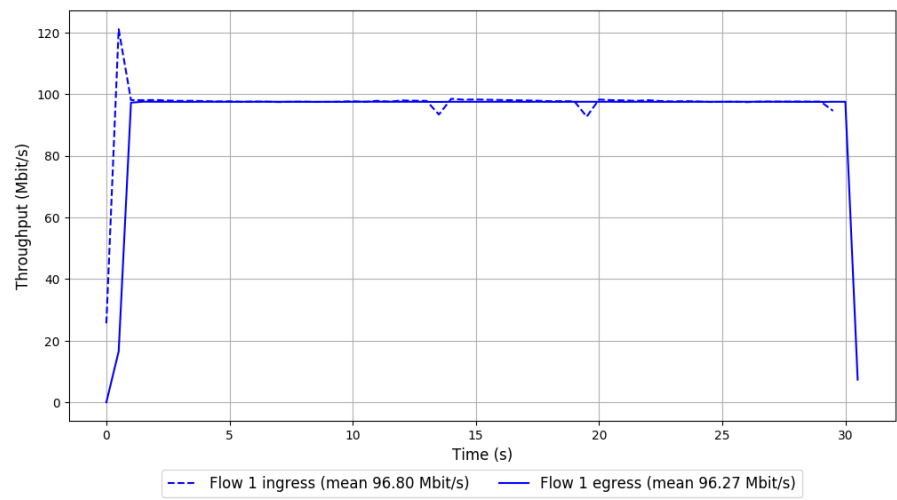


Run 1: Statistics of TCP Cubic

Start at: 2019-02-11 12:21:42
End at: 2019-02-11 12:22:12
Local clock offset: 0.057 ms
Remote clock offset: -4.397 ms

Below is generated by plot.py at 2019-02-11 14:03:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 65.497 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 65.497 ms
Loss rate: 0.47%

Run 1: Report of TCP Cubic — Data Link

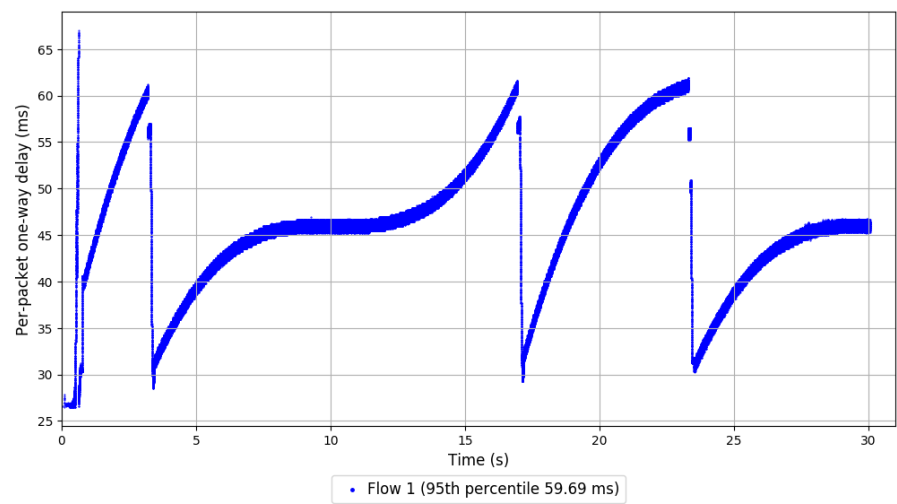
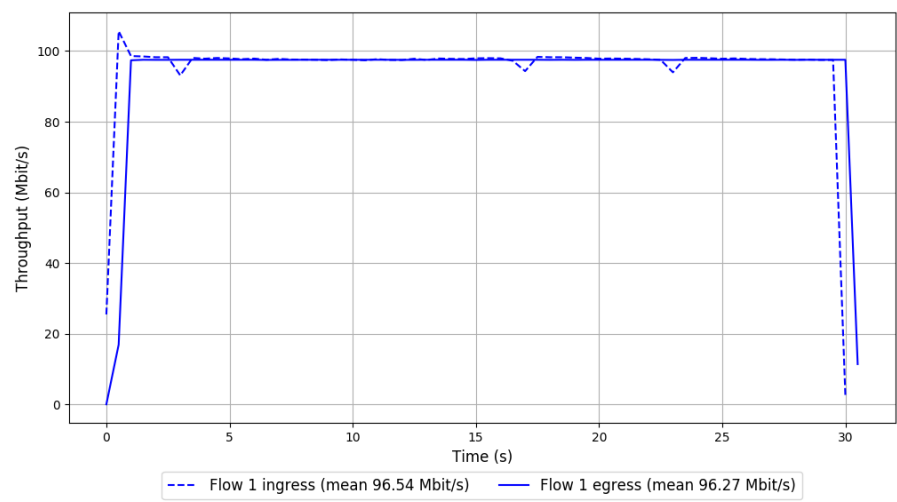


Run 2: Statistics of TCP Cubic

Start at: 2019-02-11 12:45:56
End at: 2019-02-11 12:46:26
Local clock offset: 0.042 ms
Remote clock offset: -6.777 ms

Below is generated by plot.py at 2019-02-11 14:03:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 59.686 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 59.686 ms
Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link

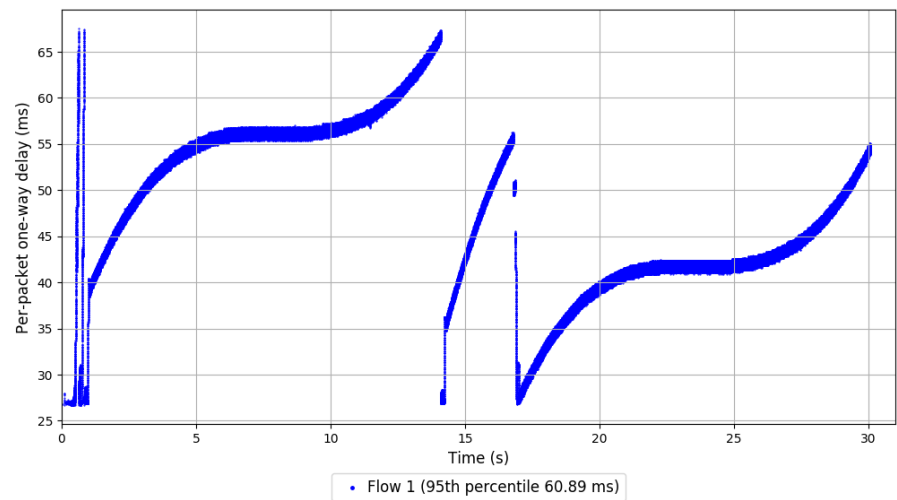
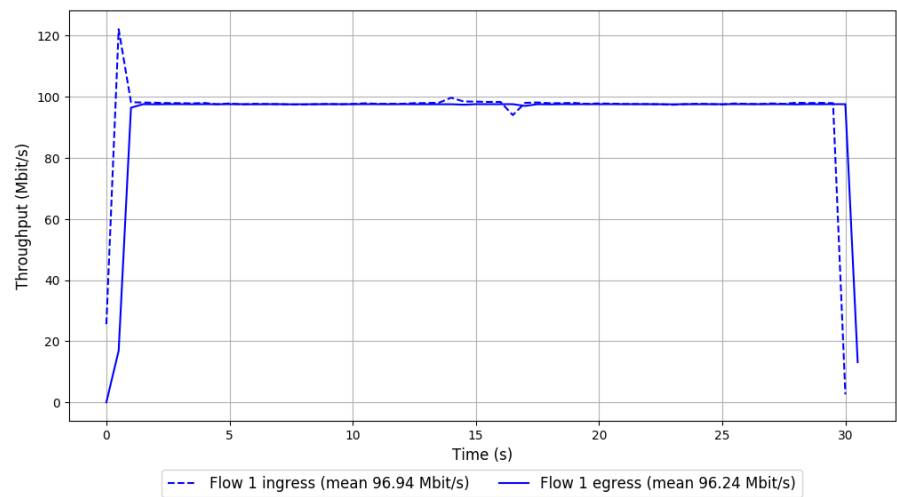


Run 3: Statistics of TCP Cubic

Start at: 2019-02-11 13:10:13
End at: 2019-02-11 13:10:43
Local clock offset: 0.096 ms
Remote clock offset: -6.006 ms

Below is generated by plot.py at 2019-02-11 14:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 60.886 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 60.886 ms
Loss rate: 0.63%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-11 13:34:25

End at: 2019-02-11 13:34:55

Local clock offset: 0.189 ms

Remote clock offset: -6.58 ms

Below is generated by plot.py at 2019-02-11 14:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 62.687 ms

Loss rate: 0.47%

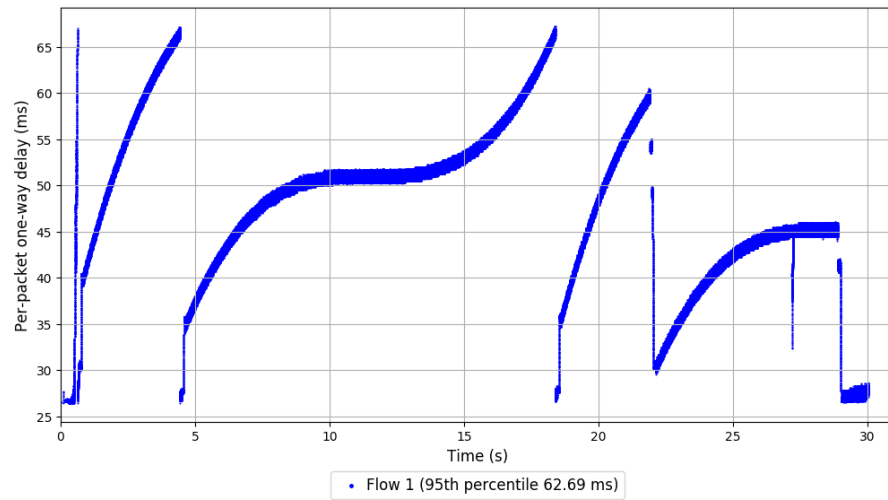
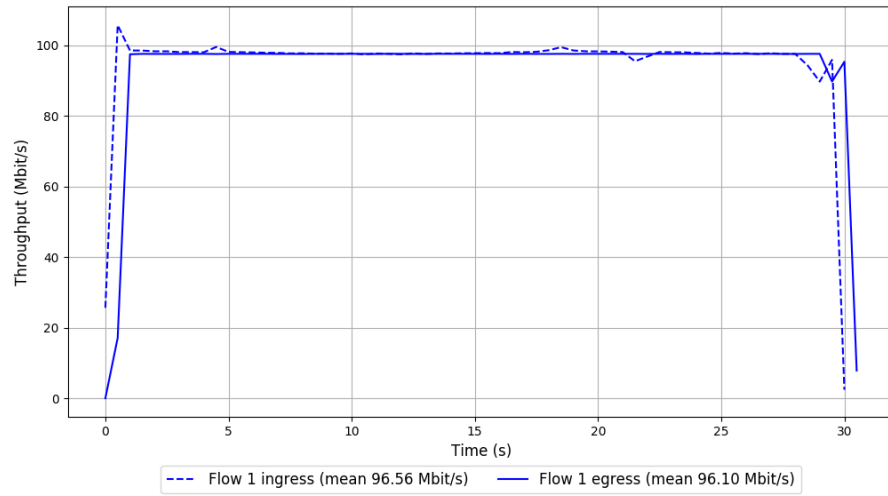
-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 62.687 ms

Loss rate: 0.47%

Run 4: Report of TCP Cubic — Data Link

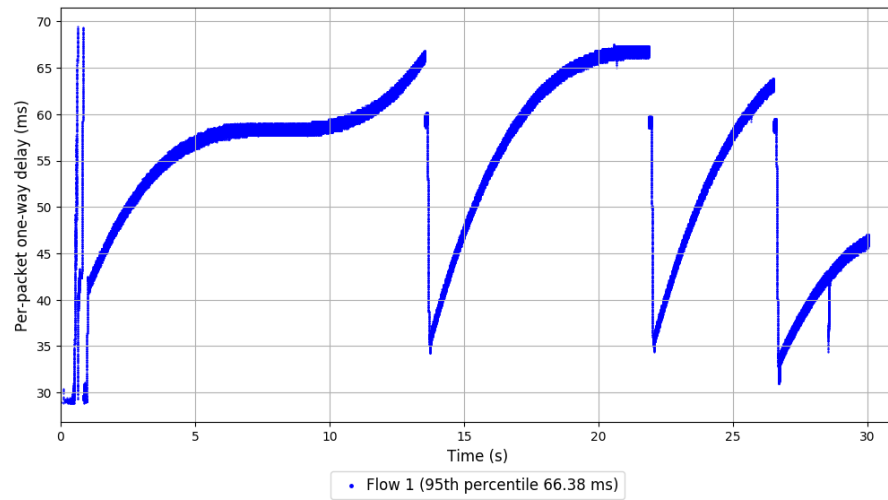
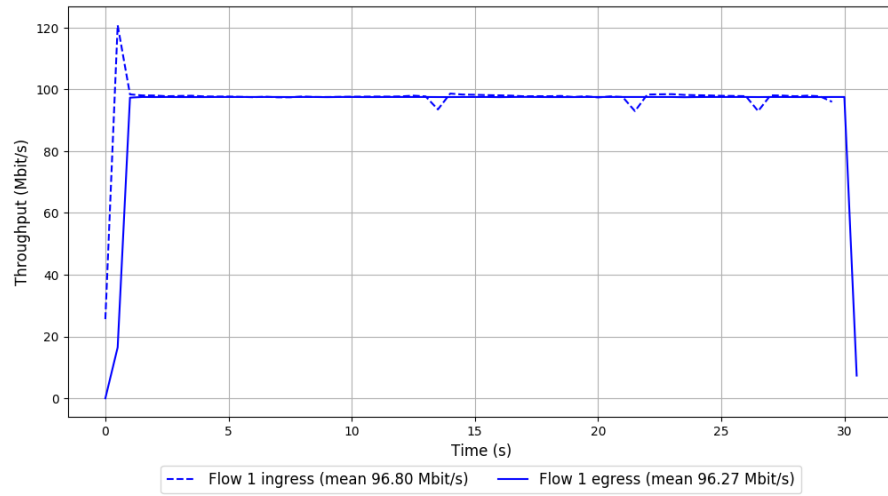


Run 5: Statistics of TCP Cubic

Start at: 2019-02-11 13:58:39
End at: 2019-02-11 13:59:09
Local clock offset: 3.868 ms
Remote clock offset: -4.516 ms

Below is generated by plot.py at 2019-02-11 14:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 66.375 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 66.375 ms
Loss rate: 0.49%

Run 5: Report of TCP Cubic — Data Link

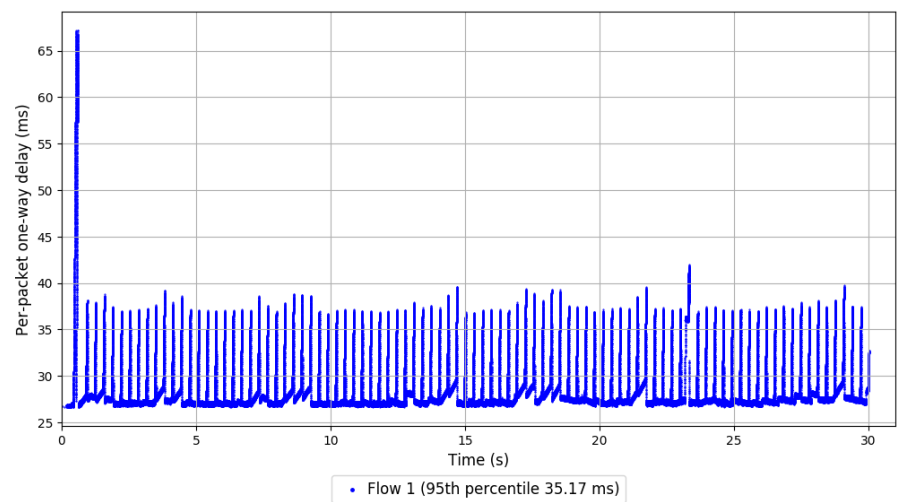
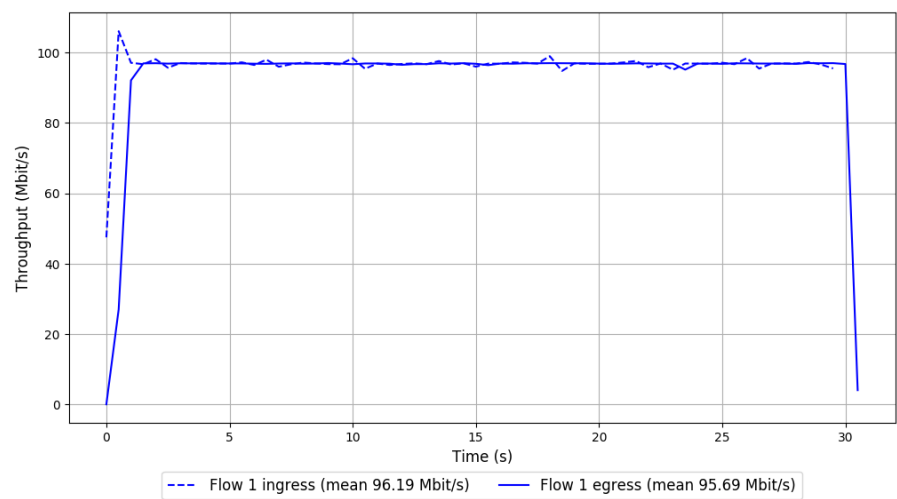


Run 1: Statistics of FillP

Start at: 2019-02-11 12:06:47
End at: 2019-02-11 12:07:17
Local clock offset: -0.054 ms
Remote clock offset: -7.311 ms

Below is generated by plot.py at 2019-02-11 14:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.175 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.175 ms
Loss rate: 0.50%

Run 1: Report of FillP — Data Link

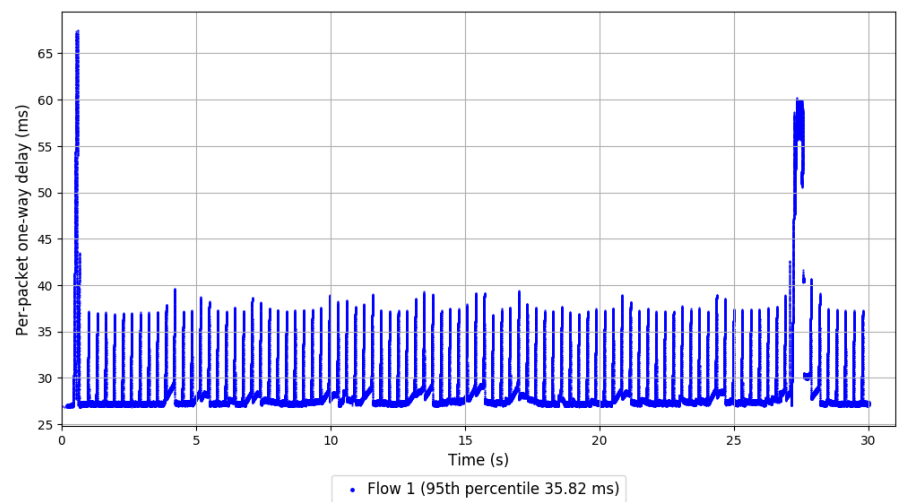
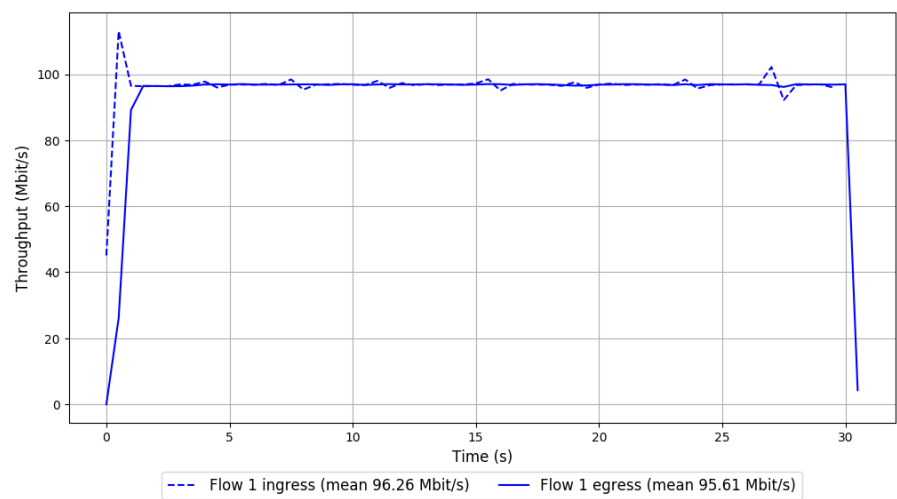


Run 2: Statistics of FillP

Start at: 2019-02-11 12:31:00
End at: 2019-02-11 12:31:30
Local clock offset: 0.067 ms
Remote clock offset: -6.566 ms

Below is generated by plot.py at 2019-02-11 14:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 35.817 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 35.817 ms
Loss rate: 0.68%

Run 2: Report of FillP — Data Link

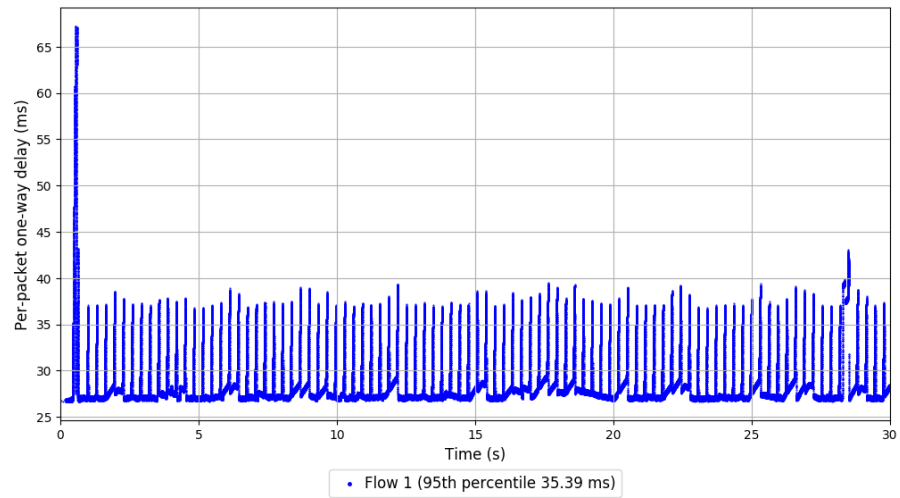
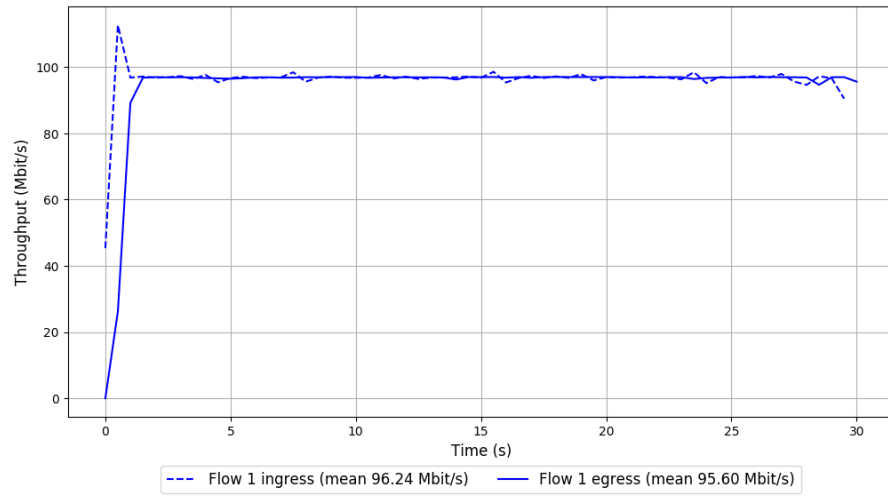


Run 3: Statistics of FillP

Start at: 2019-02-11 12:55:14
End at: 2019-02-11 12:55:44
Local clock offset: 0.041 ms
Remote clock offset: -6.233 ms

Below is generated by plot.py at 2019-02-11 14:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 35.386 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 35.386 ms
Loss rate: 0.66%

Run 3: Report of FillP — Data Link

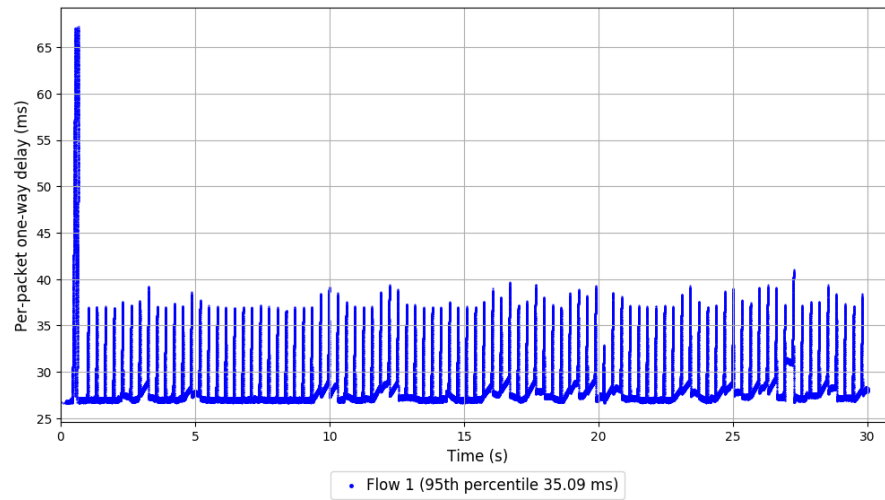
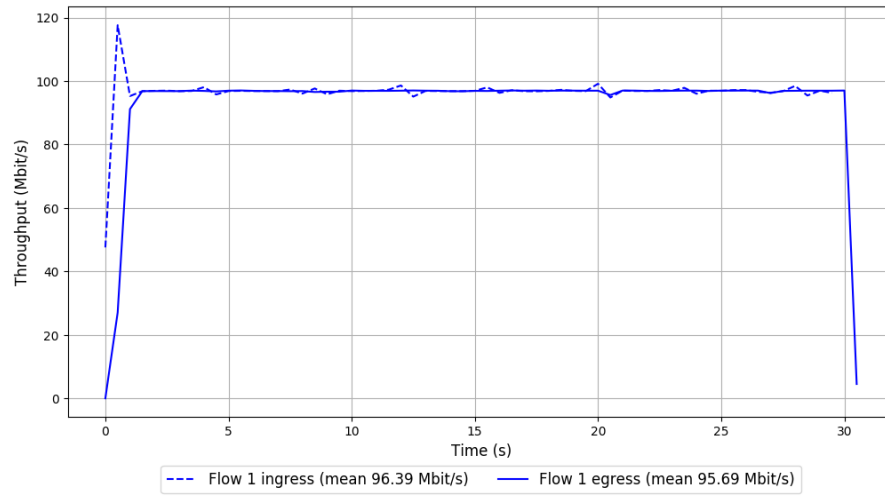


Run 4: Statistics of FillP

Start at: 2019-02-11 13:19:31
End at: 2019-02-11 13:20:01
Local clock offset: 0.162 ms
Remote clock offset: -6.013 ms

Below is generated by plot.py at 2019-02-11 14:04:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.085 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.085 ms
Loss rate: 0.72%

Run 4: Report of FillP — Data Link

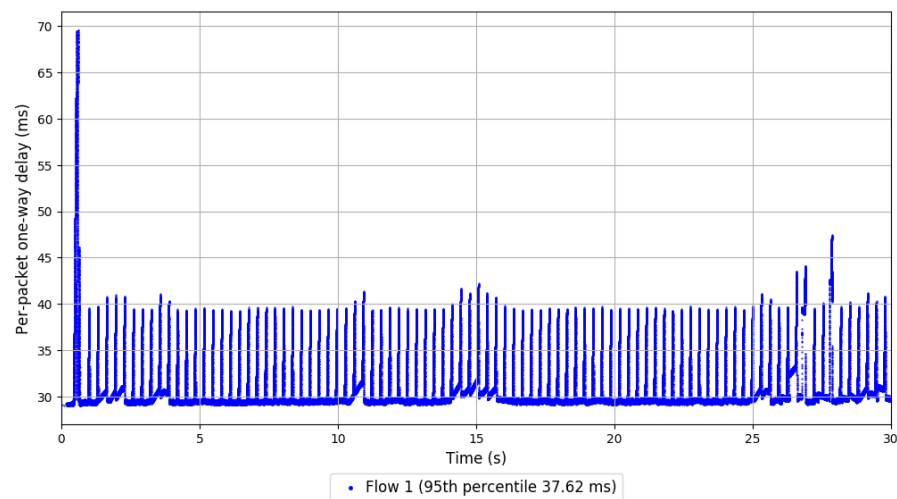
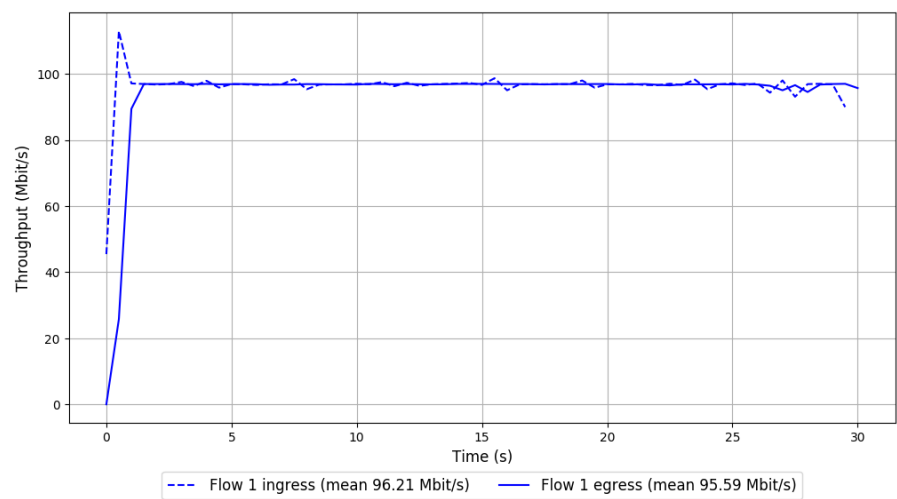


Run 5: Statistics of FillP

Start at: 2019-02-11 13:43:43
End at: 2019-02-11 13:44:13
Local clock offset: 2.436 ms
Remote clock offset: -3.878 ms

Below is generated by plot.py at 2019-02-11 14:04:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 37.619 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 37.619 ms
Loss rate: 0.65%

Run 5: Report of FillP — Data Link

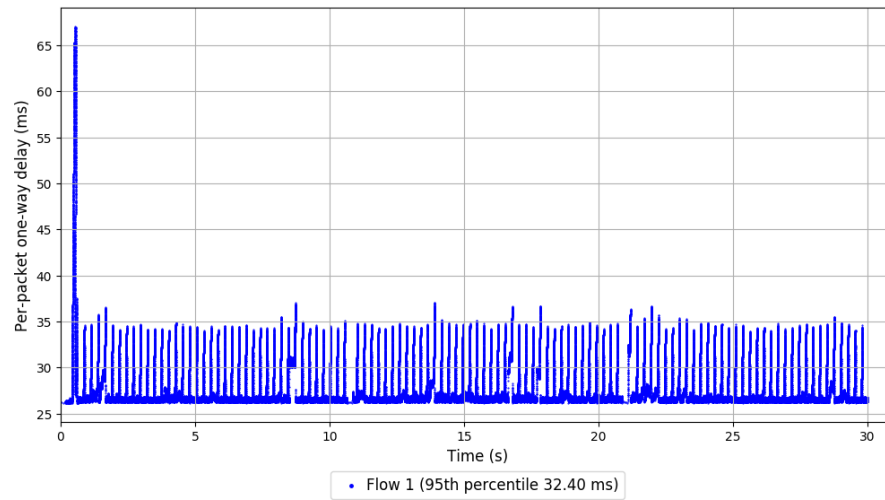
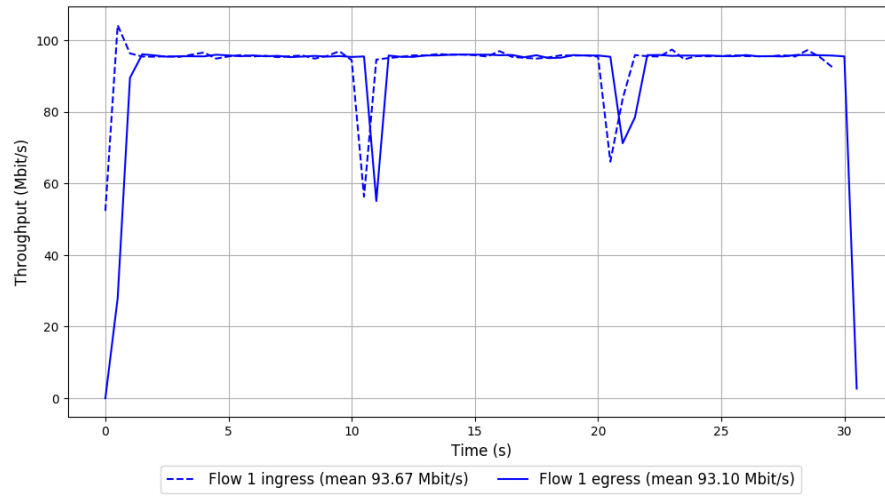


Run 1: Statistics of FillP-Sheep

Start at: 2019-02-11 12:02:06
End at: 2019-02-11 12:02:37
Local clock offset: -0.098 ms
Remote clock offset: -7.732 ms

Below is generated by plot.py at 2019-02-11 14:04:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 32.395 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 32.395 ms
Loss rate: 0.60%

Run 1: Report of FillP-Sheep — Data Link

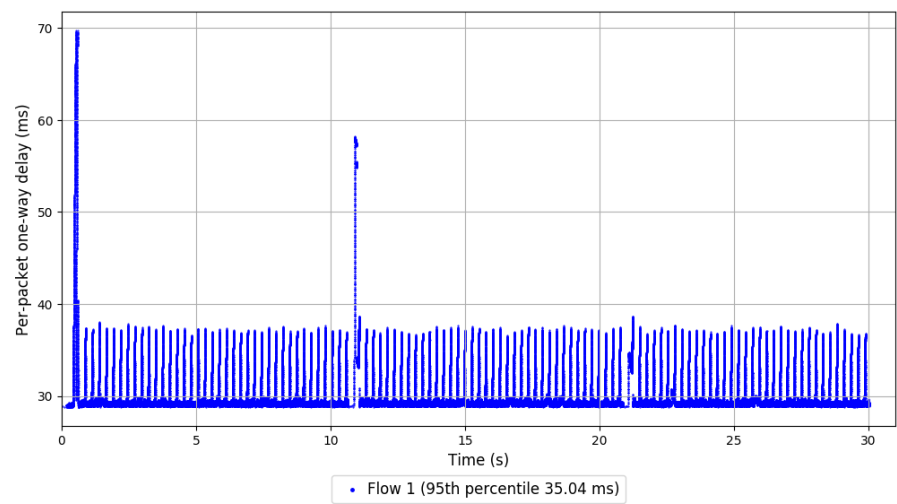
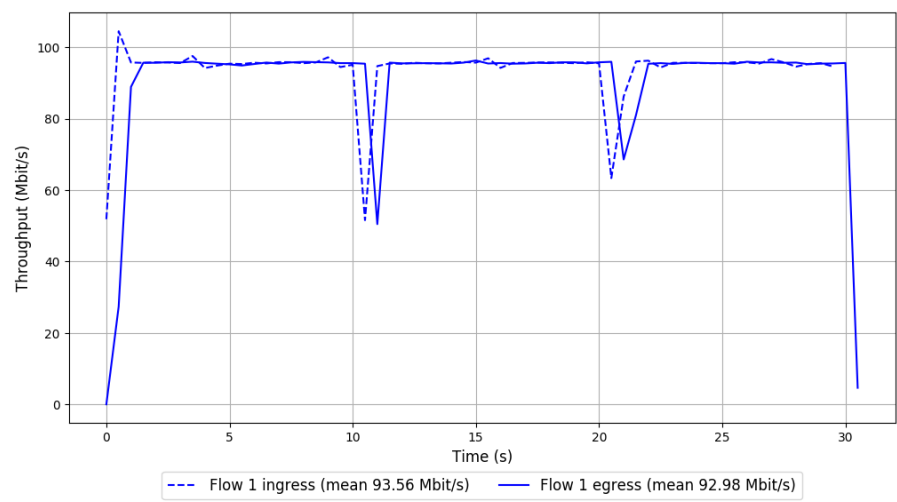


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-11 12:26:19
End at: 2019-02-11 12:26:49
Local clock offset: 0.084 ms
Remote clock offset: -4.582 ms

Below is generated by plot.py at 2019-02-11 14:05:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 35.043 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 35.043 ms
Loss rate: 0.63%

Run 2: Report of FillP-Sheep — Data Link

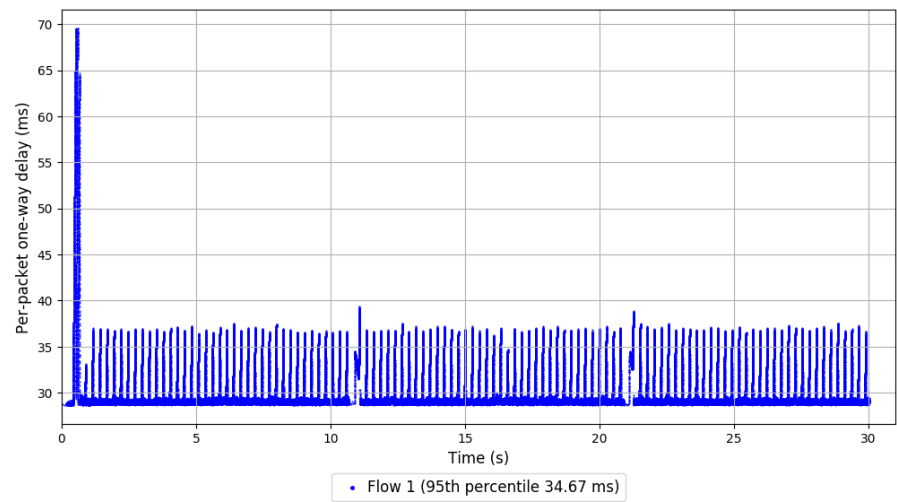
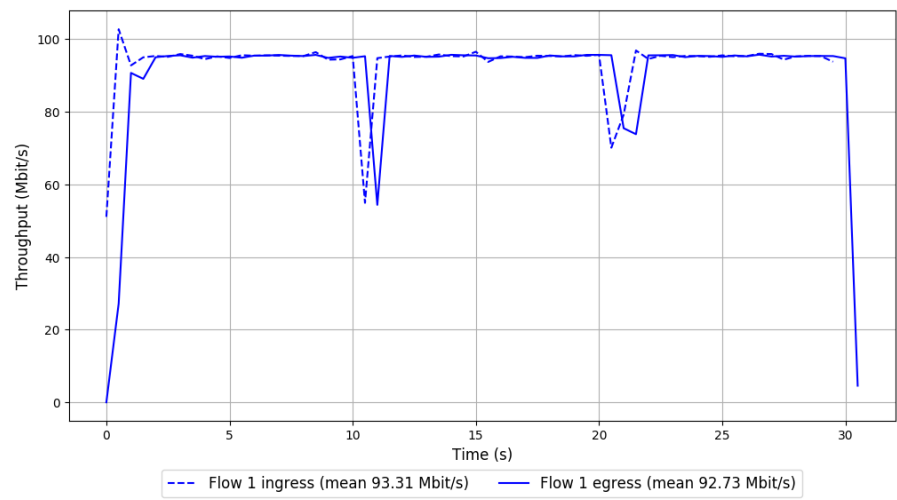


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-11 12:50:33
End at: 2019-02-11 12:51:03
Local clock offset: 0.047 ms
Remote clock offset: -4.347 ms

Below is generated by plot.py at 2019-02-11 14:05:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 34.675 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 34.675 ms
Loss rate: 0.63%

Run 3: Report of FillP-Sheep — Data Link

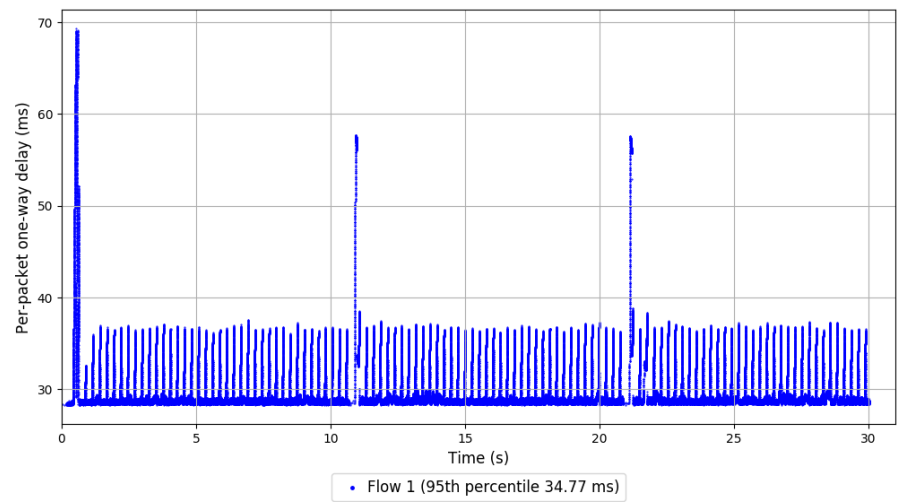
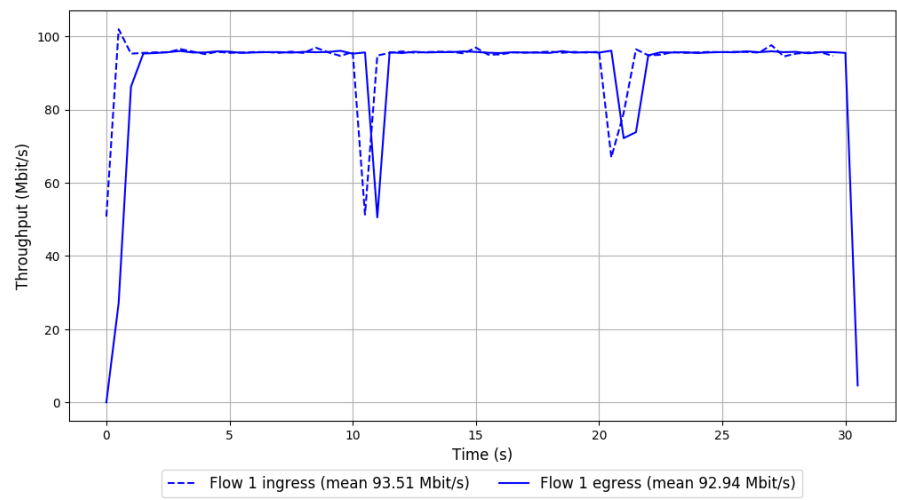


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-11 13:14:50
End at: 2019-02-11 13:15:20
Local clock offset: 0.126 ms
Remote clock offset: -4.393 ms

Below is generated by plot.py at 2019-02-11 14:05:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 34.767 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 34.767 ms
Loss rate: 0.61%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-11 13:39:02

End at: 2019-02-11 13:39:32

Local clock offset: 1.556 ms

Remote clock offset: -6.311 ms

Below is generated by plot.py at 2019-02-11 14:05:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 33.094 ms

Loss rate: 0.77%

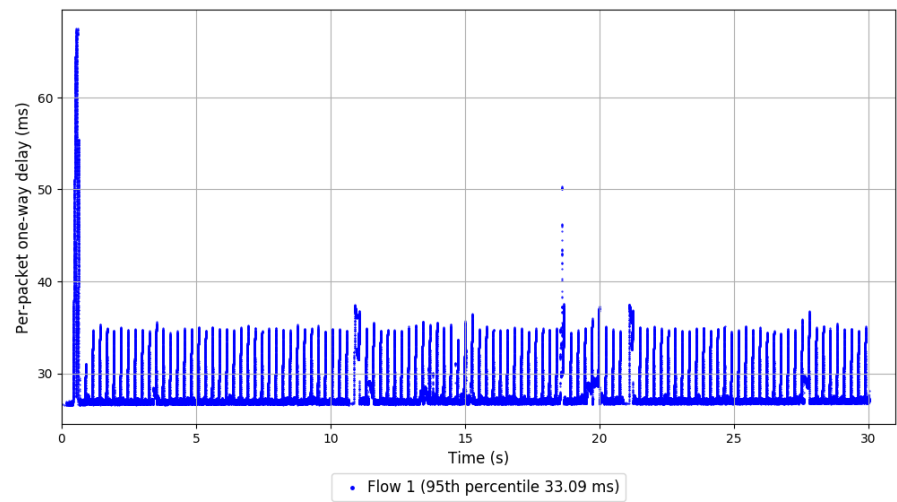
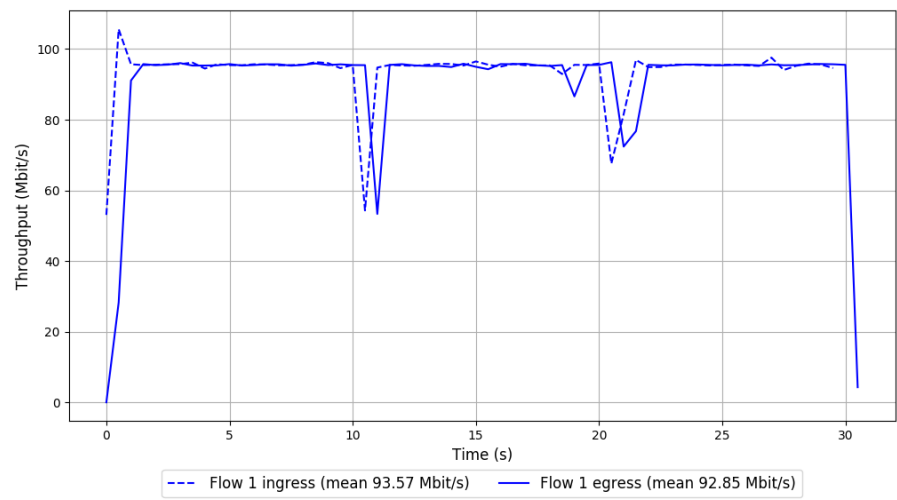
-- Flow 1:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 33.094 ms

Loss rate: 0.77%

Run 5: Report of FillP-Sheep — Data Link

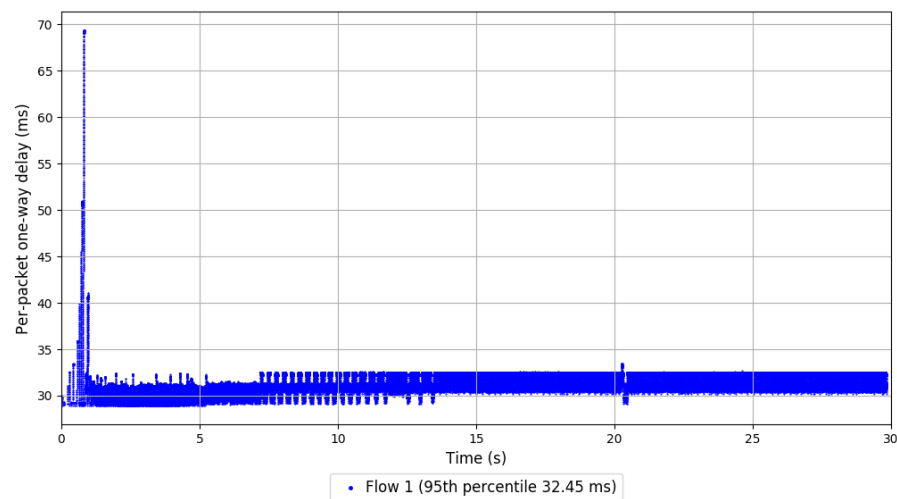
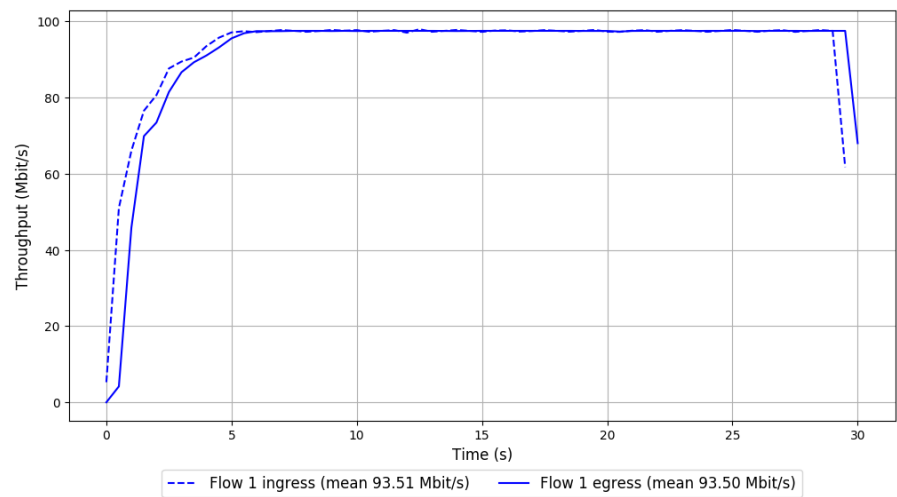


Run 1: Statistics of Indigo

Start at: 2019-02-11 11:59:49
End at: 2019-02-11 12:00:19
Local clock offset: -0.091 ms
Remote clock offset: -5.201 ms

Below is generated by plot.py at 2019-02-11 14:05:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 32.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 32.447 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

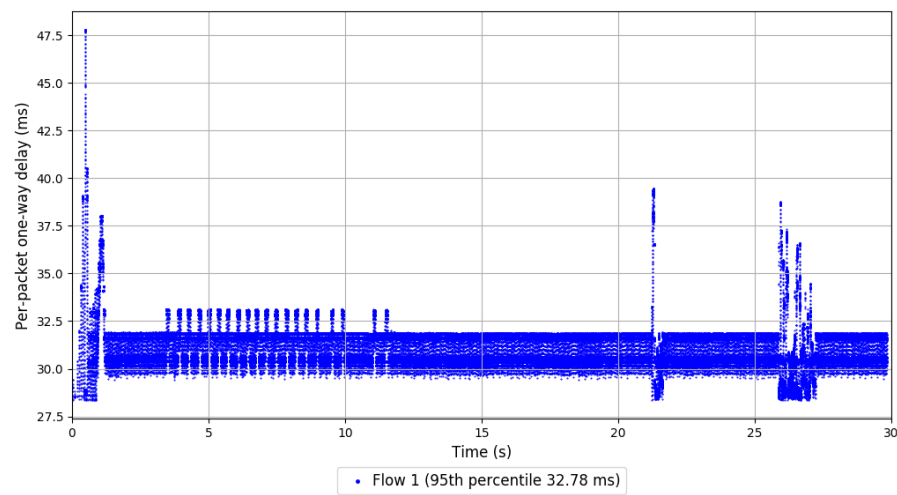
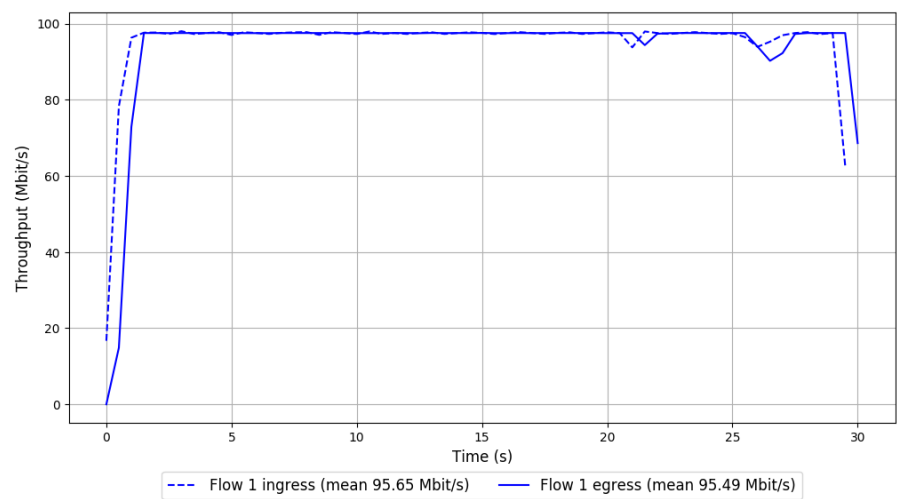


Run 2: Statistics of Indigo

Start at: 2019-02-11 12:24:00
End at: 2019-02-11 12:24:30
Local clock offset: 0.078 ms
Remote clock offset: -5.283 ms

Below is generated by plot.py at 2019-02-11 14:05:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 0.15%

Run 2: Report of Indigo — Data Link

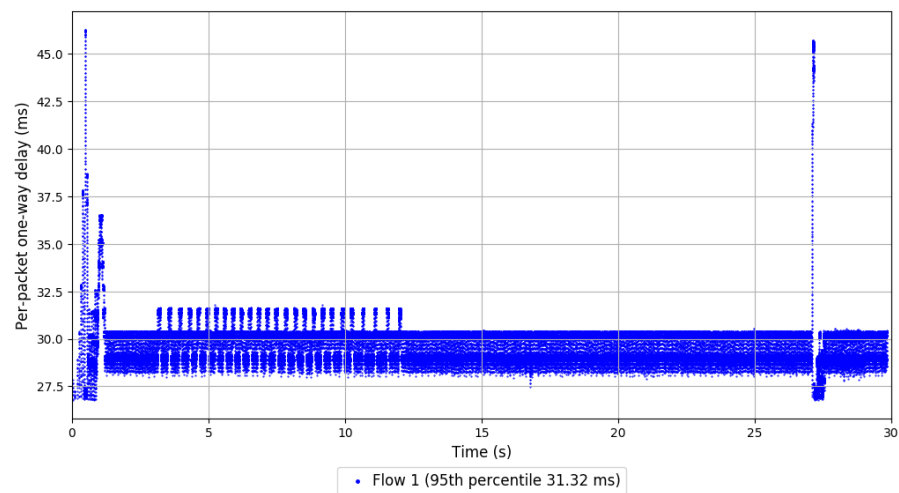
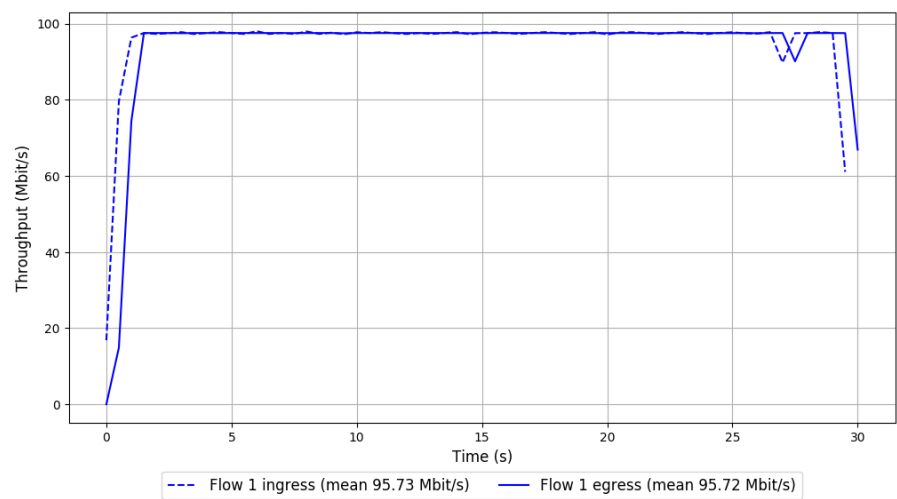


Run 3: Statistics of Indigo

Start at: 2019-02-11 12:48:14
End at: 2019-02-11 12:48:44
Local clock offset: 0.04 ms
Remote clock offset: -6.391 ms

Below is generated by plot.py at 2019-02-11 14:05:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 31.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 31.318 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

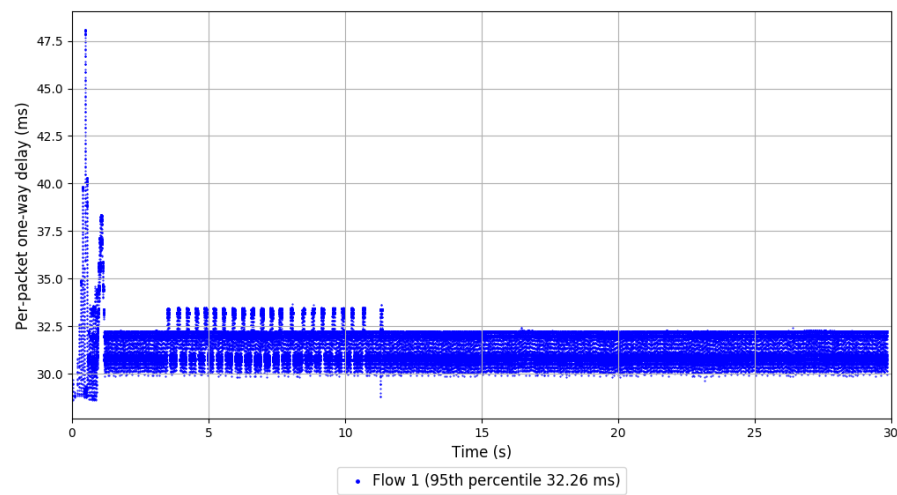
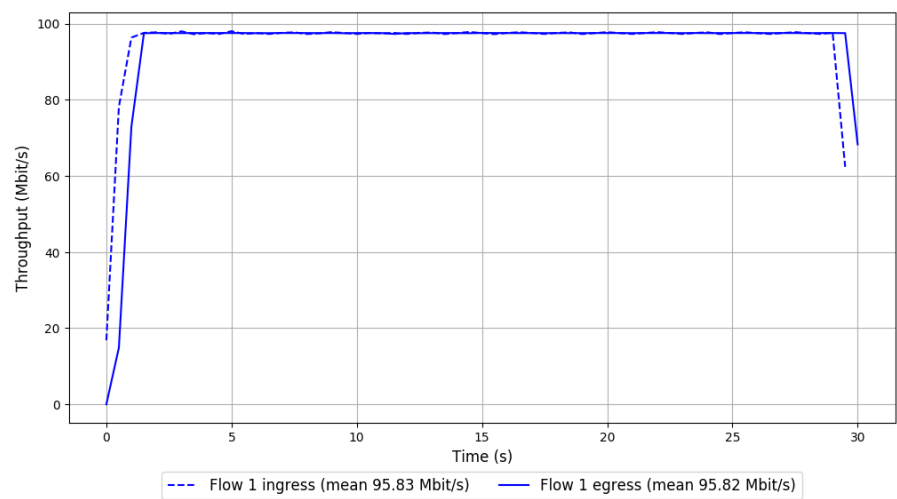


Run 4: Statistics of Indigo

Start at: 2019-02-11 13:12:31
End at: 2019-02-11 13:13:01
Local clock offset: 0.117 ms
Remote clock offset: -4.062 ms

Below is generated by plot.py at 2019-02-11 14:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 32.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 32.255 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-11 13:36:43

End at: 2019-02-11 13:37:13

Local clock offset: 0.926 ms

Remote clock offset: -6.584 ms

Below is generated by plot.py at 2019-02-11 14:06:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 30.105 ms

Loss rate: 0.00%

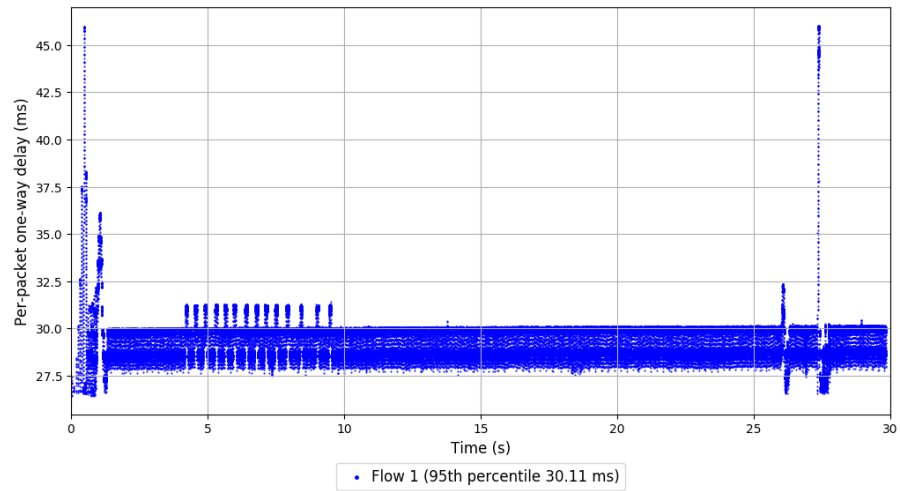
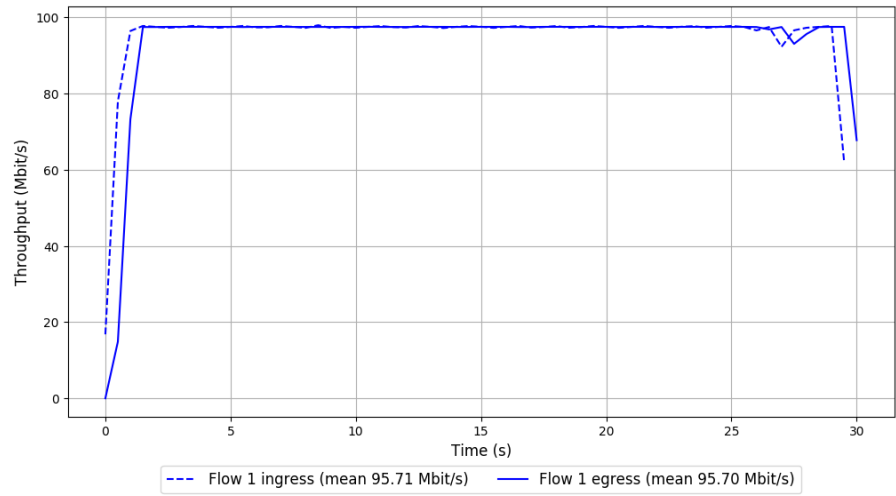
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 30.105 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:11:19

End at: 2019-02-11 12:11:49

Local clock offset: 0.014 ms

Remote clock offset: -7.24 ms

Below is generated by plot.py at 2019-02-11 14:06:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 33.905 ms

Loss rate: 0.00%

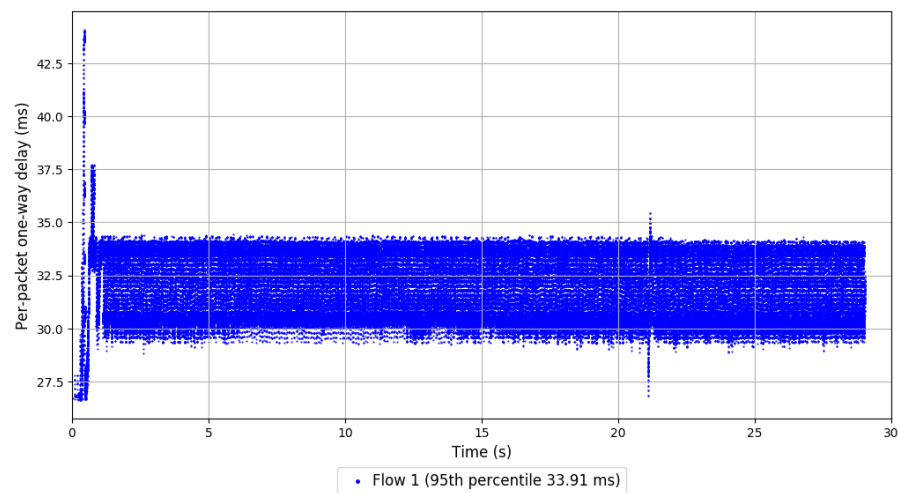
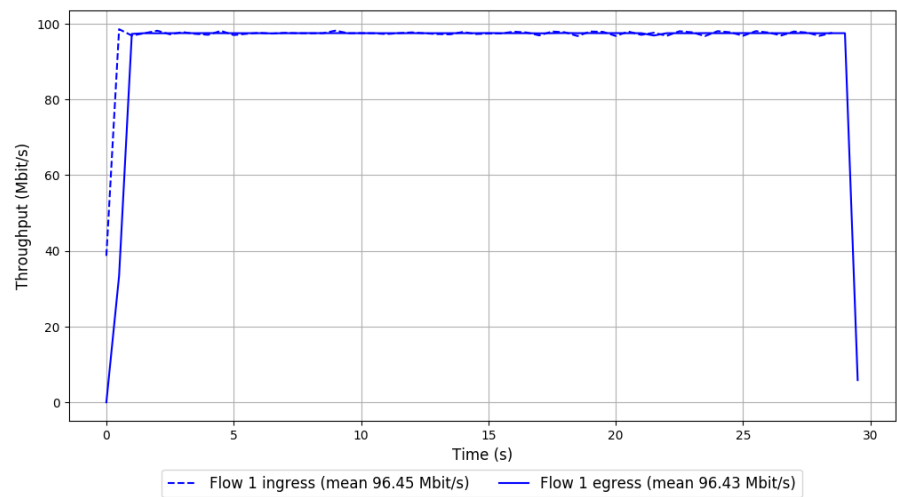
-- Flow 1:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 33.905 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

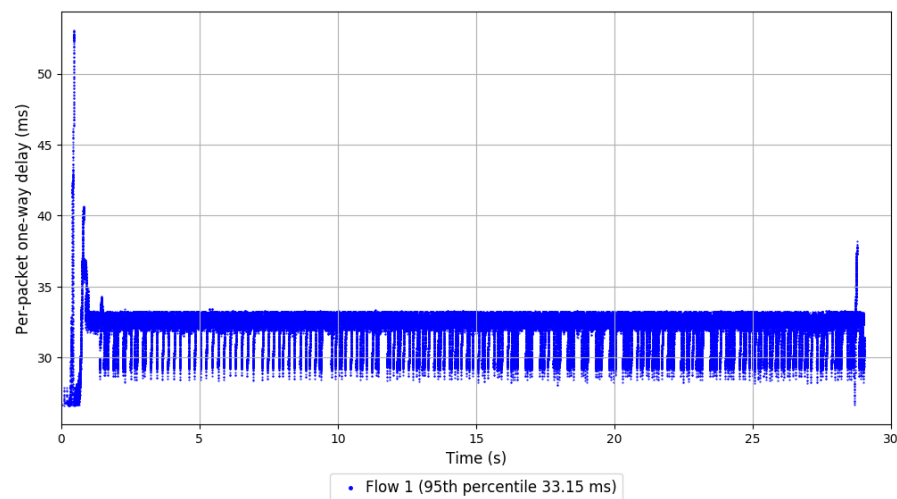
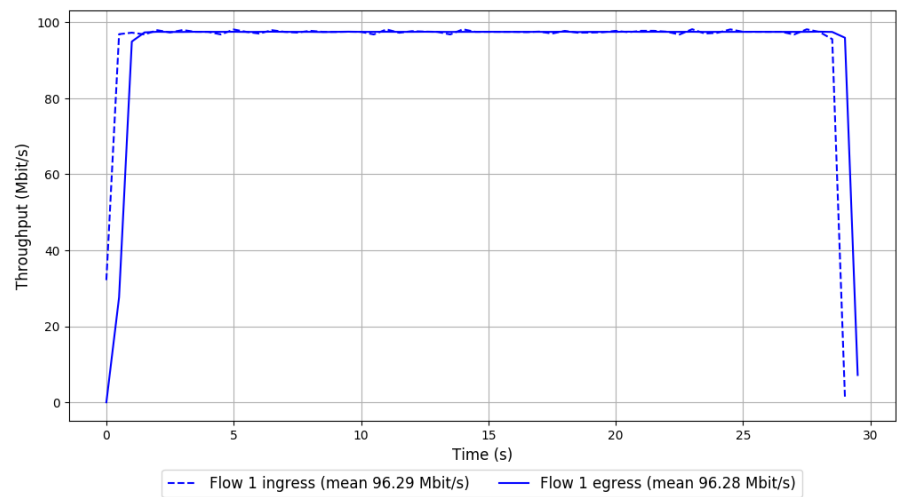


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:35:33
End at: 2019-02-11 12:36:03
Local clock offset: 0.075 ms
Remote clock offset: -6.782 ms

Below is generated by plot.py at 2019-02-11 14:06:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 33.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 33.151 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

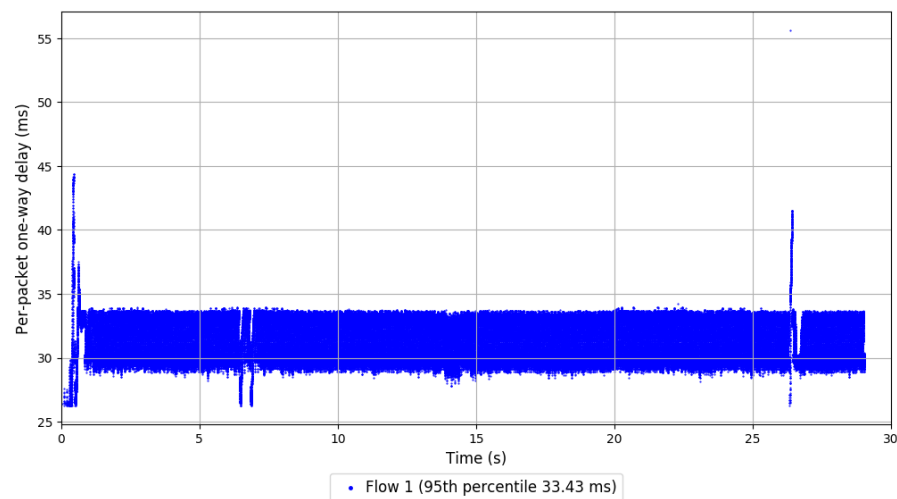
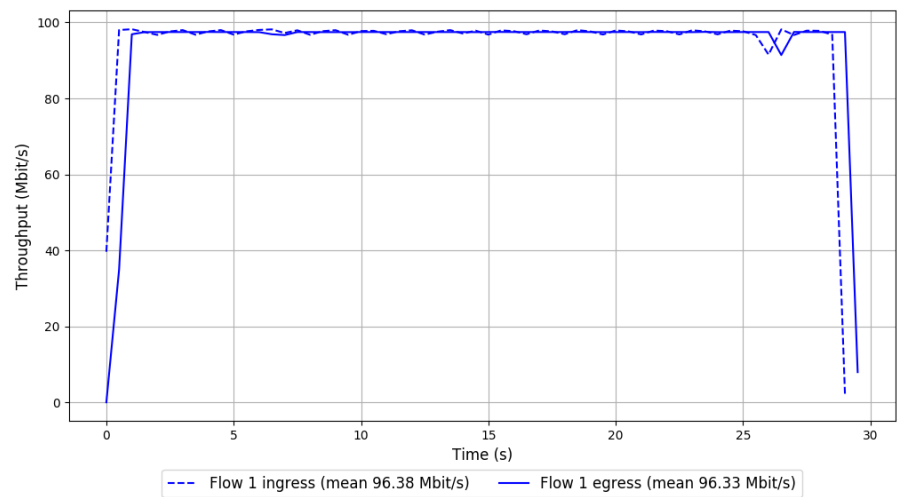


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:59:46
End at: 2019-02-11 13:00:16
Local clock offset: 0.039 ms
Remote clock offset: -6.678 ms

Below is generated by plot.py at 2019-02-11 14:06:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 33.428 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 33.428 ms
Loss rate: 0.04%

Run 3: Report of Indigo-MusesC3 — Data Link

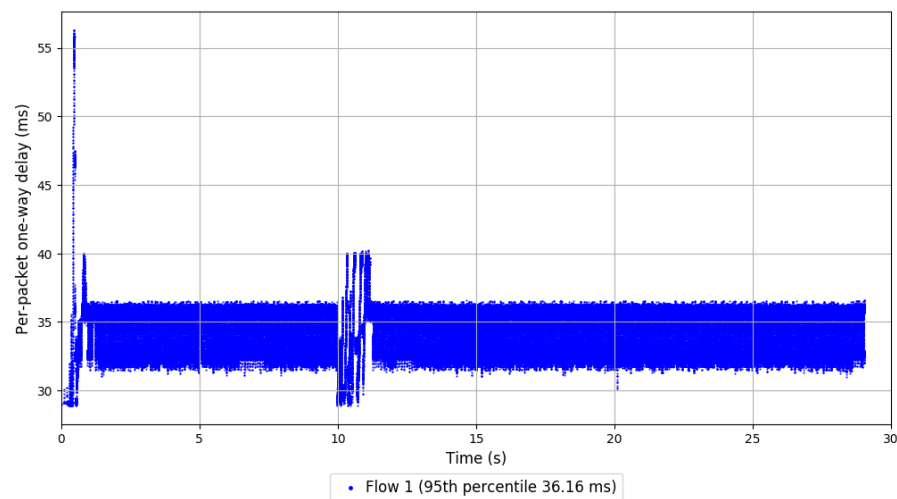
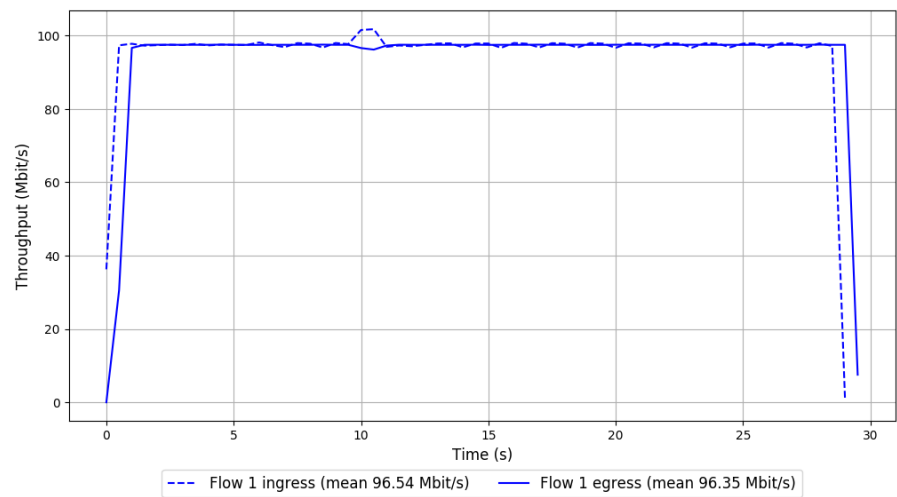


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:24:03
End at: 2019-02-11 13:24:33
Local clock offset: 0.167 ms
Remote clock offset: -3.961 ms

Below is generated by plot.py at 2019-02-11 14:06:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 36.164 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 36.164 ms
Loss rate: 0.18%

Run 4: Report of Indigo-MusesC3 — Data Link

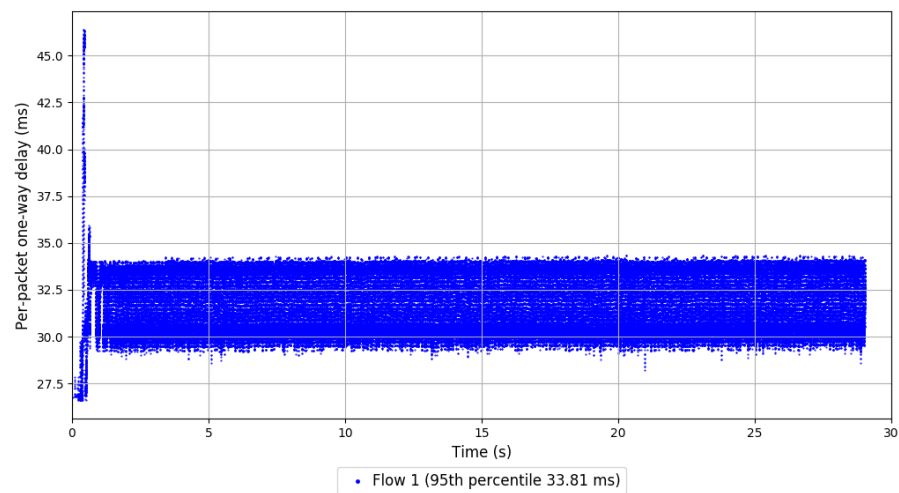
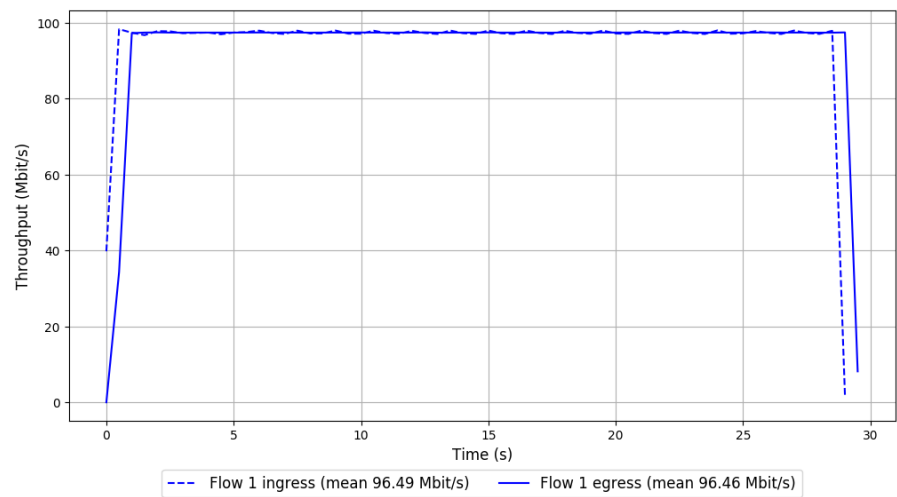


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:48:15
End at: 2019-02-11 13:48:45
Local clock offset: 3.05 ms
Remote clock offset: -6.482 ms

Below is generated by plot.py at 2019-02-11 14:06:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 33.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 33.808 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:19:25

End at: 2019-02-11 12:19:55

Local clock offset: 0.064 ms

Remote clock offset: -5.274 ms

Below is generated by plot.py at 2019-02-11 14:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 33.711 ms

Loss rate: 0.13%

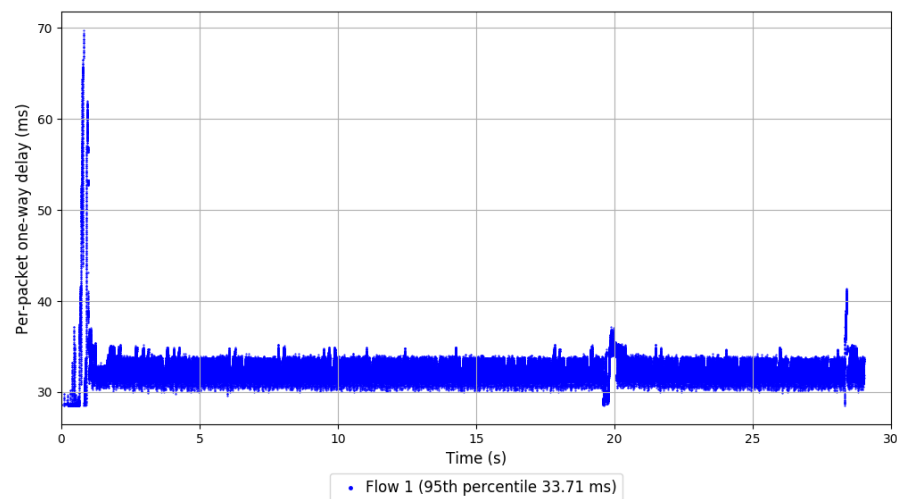
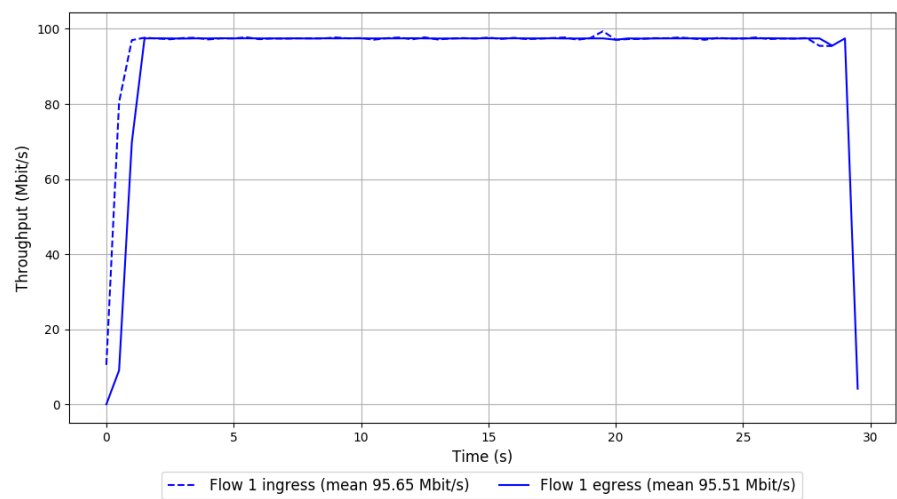
-- Flow 1:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 33.711 ms

Loss rate: 0.13%

Run 1: Report of Indigo-MusesC5 — Data Link

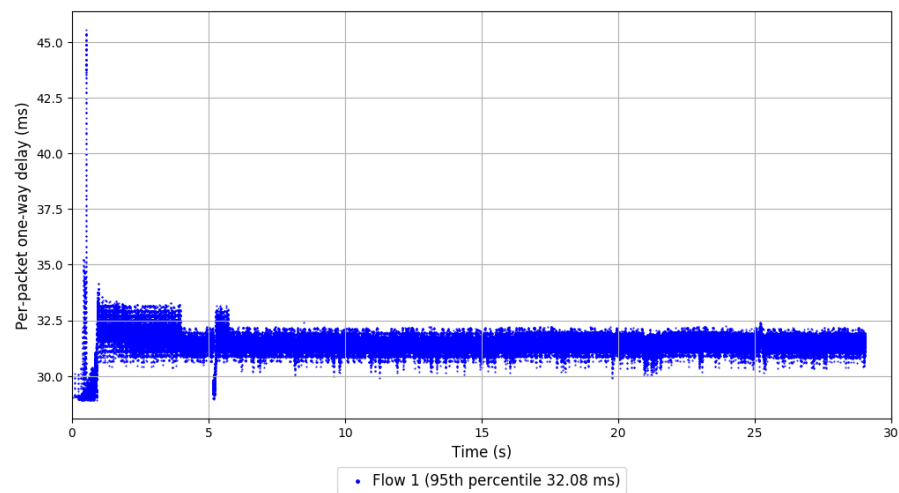
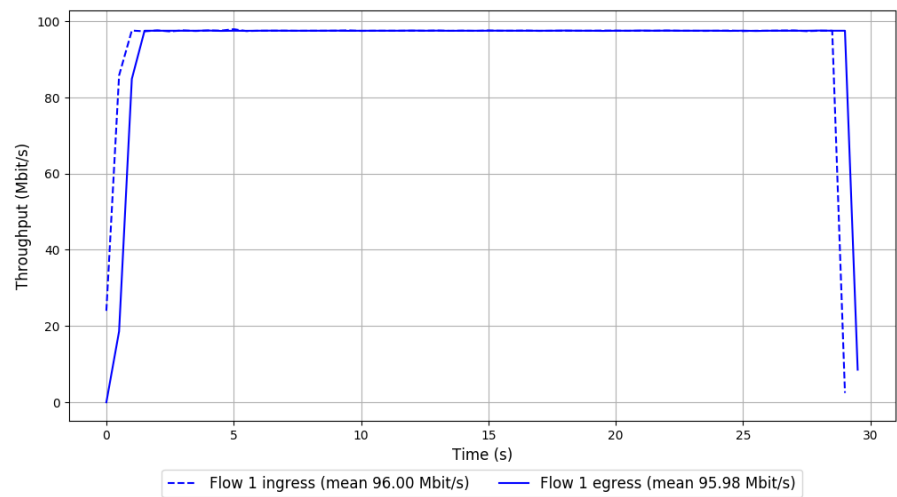


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:43:39
End at: 2019-02-11 12:44:09
Local clock offset: 0.045 ms
Remote clock offset: -4.306 ms

Below is generated by plot.py at 2019-02-11 14:06:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 32.078 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 32.078 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:07:56

End at: 2019-02-11 13:08:26

Local clock offset: 0.081 ms

Remote clock offset: -4.094 ms

Below is generated by plot.py at 2019-02-11 14:07:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 33.837 ms

Loss rate: 0.00%

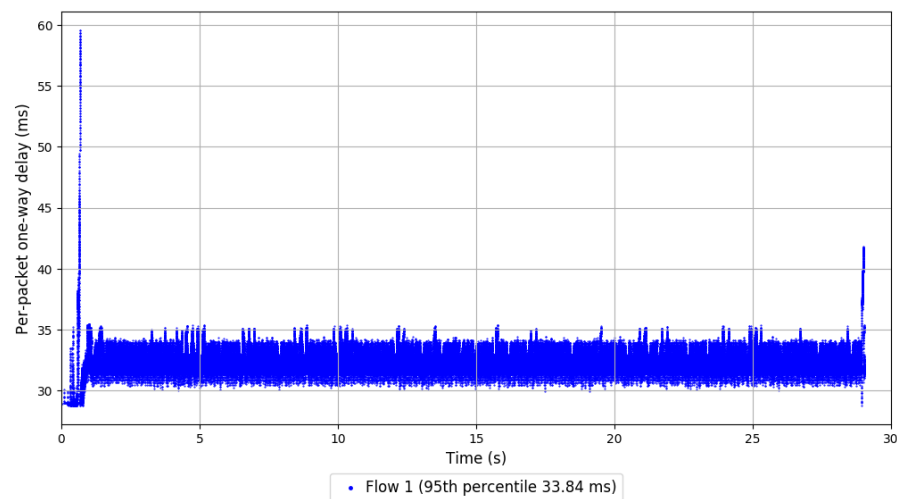
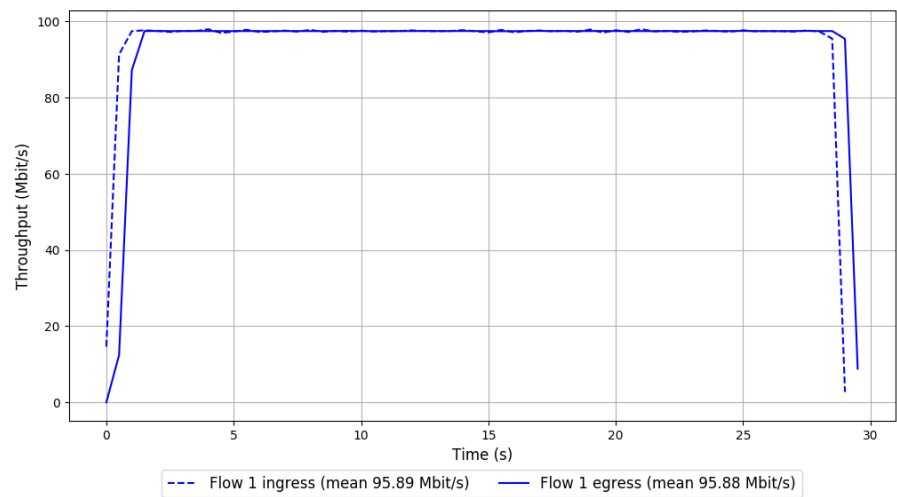
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 33.837 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:32:08

End at: 2019-02-11 13:32:38

Local clock offset: 0.196 ms

Remote clock offset: -3.538 ms

Below is generated by plot.py at 2019-02-11 14:07:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 34.556 ms

Loss rate: 0.05%

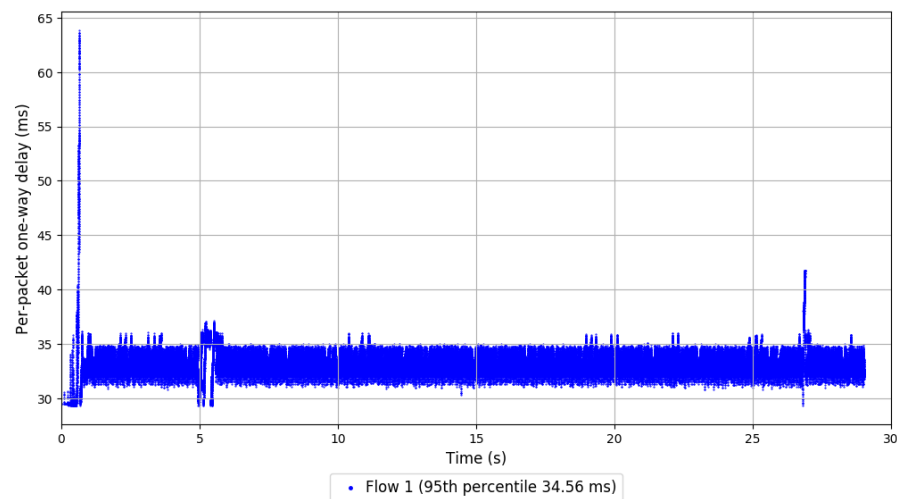
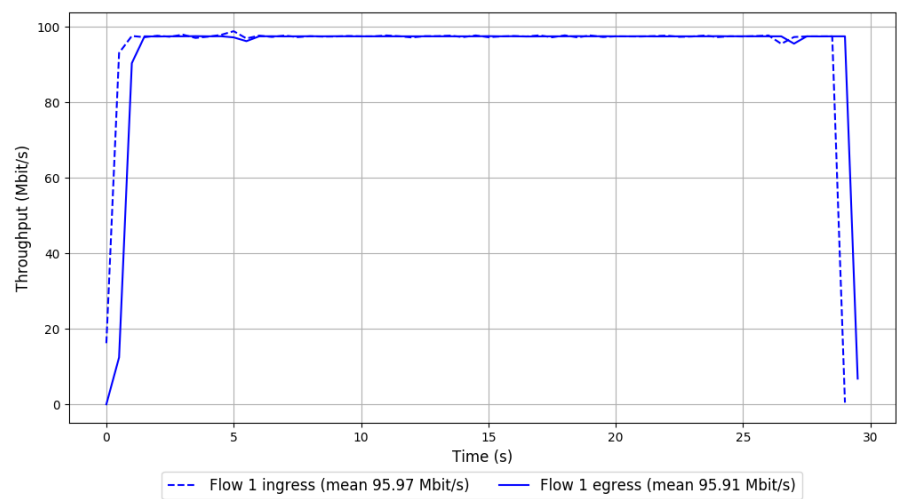
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 34.556 ms

Loss rate: 0.05%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:56:22

End at: 2019-02-11 13:56:52

Local clock offset: 3.716 ms

Remote clock offset: -7.002 ms

Below is generated by plot.py at 2019-02-11 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 31.491 ms

Loss rate: 0.04%

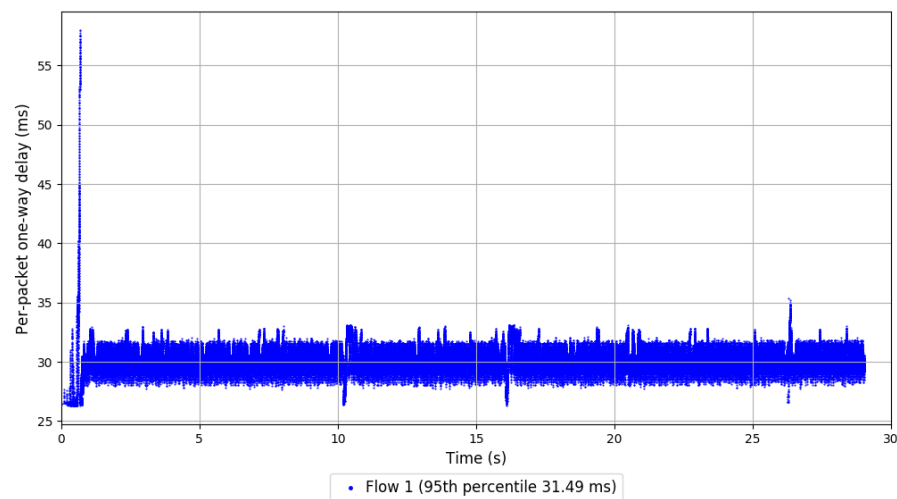
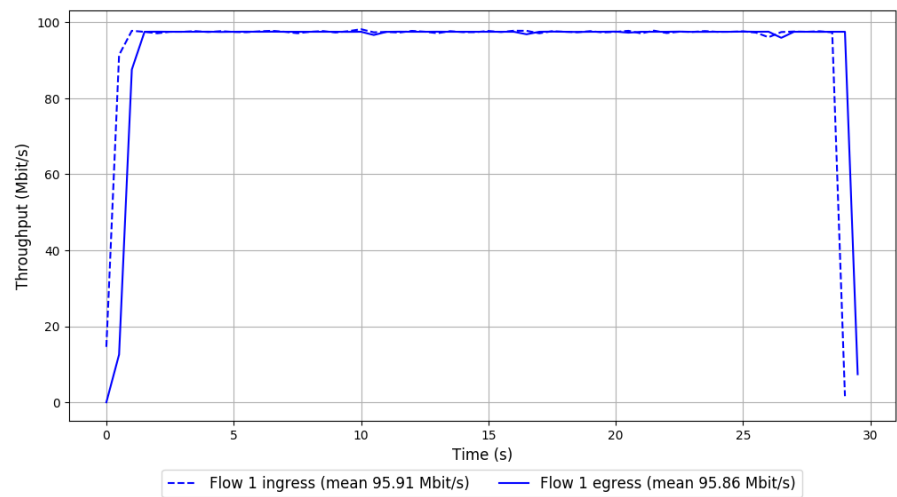
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 31.491 ms

Loss rate: 0.04%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:09:03

End at: 2019-02-11 12:09:33

Local clock offset: -0.027 ms

Remote clock offset: -5.185 ms

Below is generated by plot.py at 2019-02-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 31.712 ms

Loss rate: 0.10%

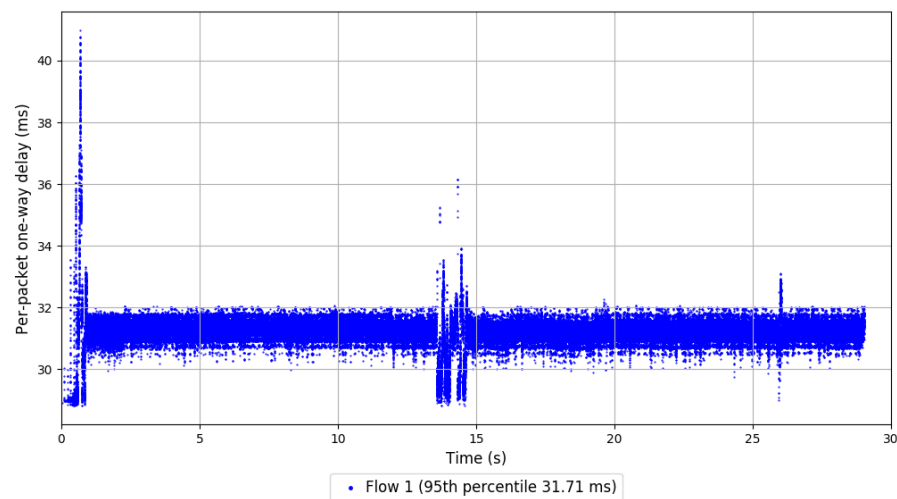
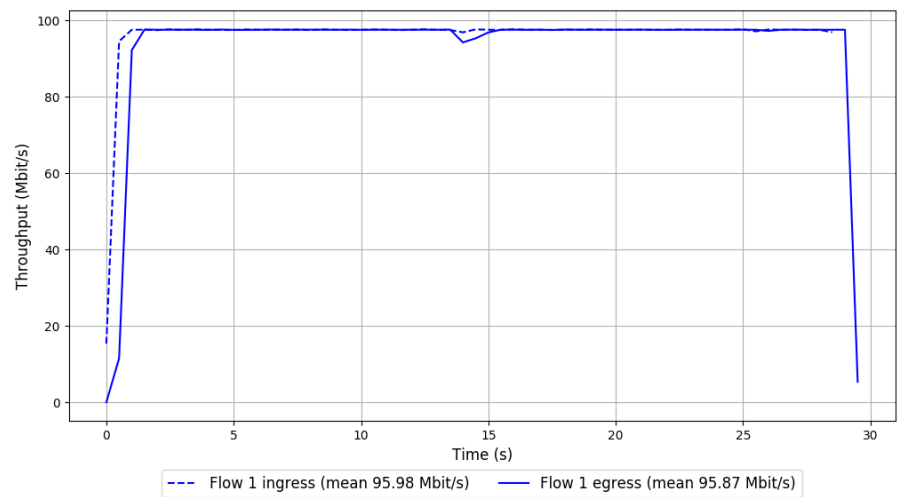
-- Flow 1:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 31.712 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:33:16

End at: 2019-02-11 12:33:46

Local clock offset: 0.06 ms

Remote clock offset: -7.138 ms

Below is generated by plot.py at 2019-02-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 29.250 ms

Loss rate: 0.01%

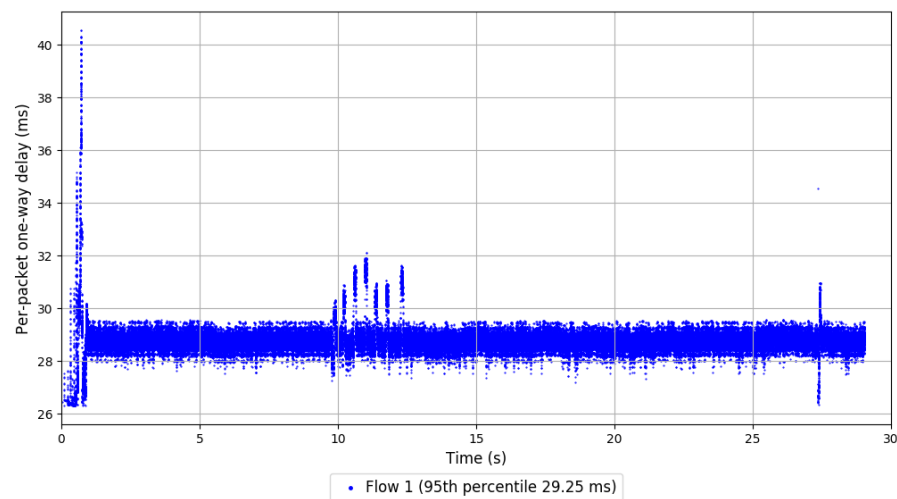
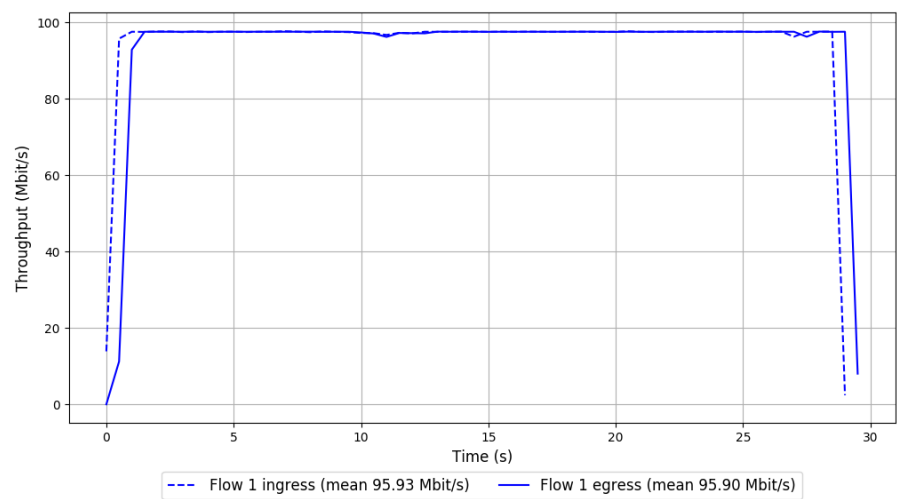
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 29.250 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:57:30

End at: 2019-02-11 12:58:00

Local clock offset: 0.041 ms

Remote clock offset: -6.445 ms

Below is generated by plot.py at 2019-02-11 14:07:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 29.322 ms

Loss rate: 0.00%

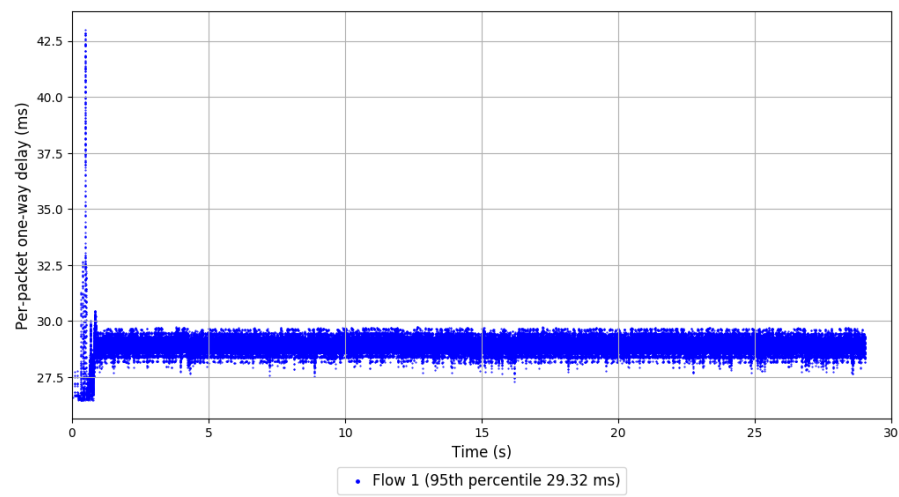
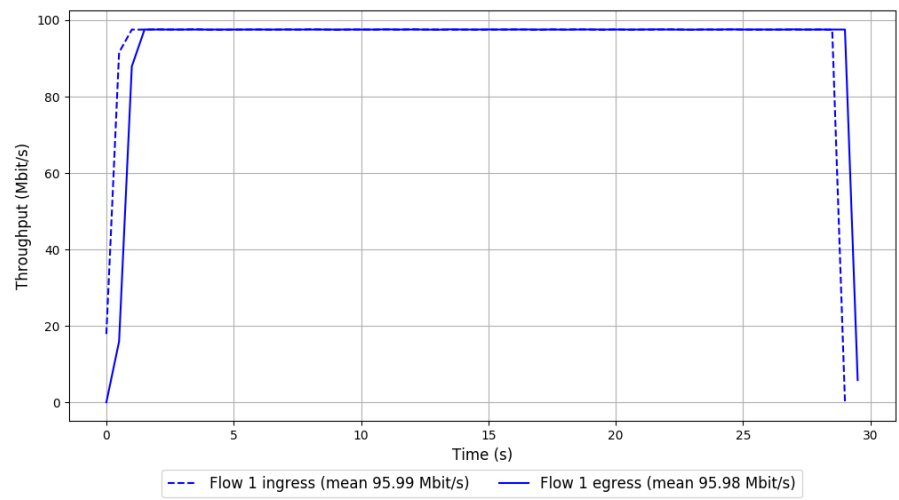
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 29.322 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:21:46

End at: 2019-02-11 13:22:16

Local clock offset: 0.175 ms

Remote clock offset: -6.217 ms

Below is generated by plot.py at 2019-02-11 14:07:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 29.532 ms

Loss rate: 0.01%

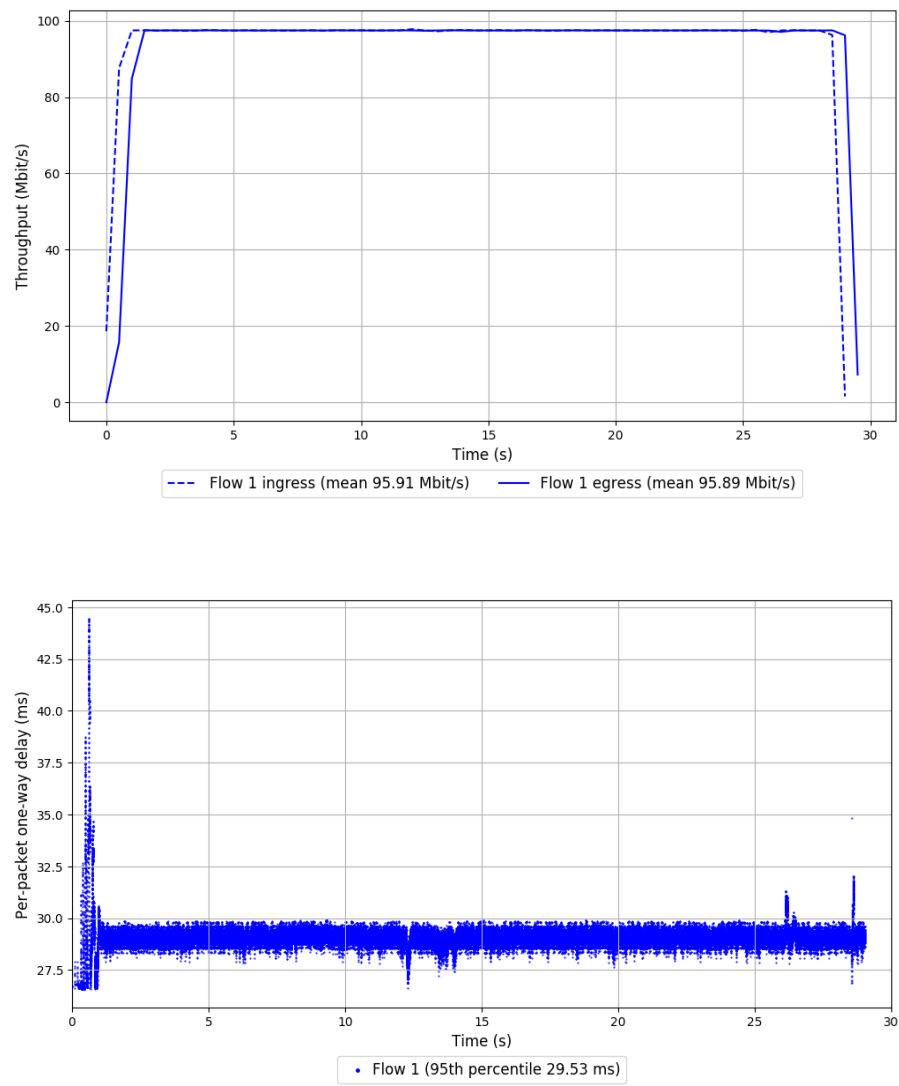
-- Flow 1:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 29.532 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:45:59

End at: 2019-02-11 13:46:29

Local clock offset: 2.762 ms

Remote clock offset: -6.38 ms

Below is generated by plot.py at 2019-02-11 14:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 29.595 ms

Loss rate: 0.02%

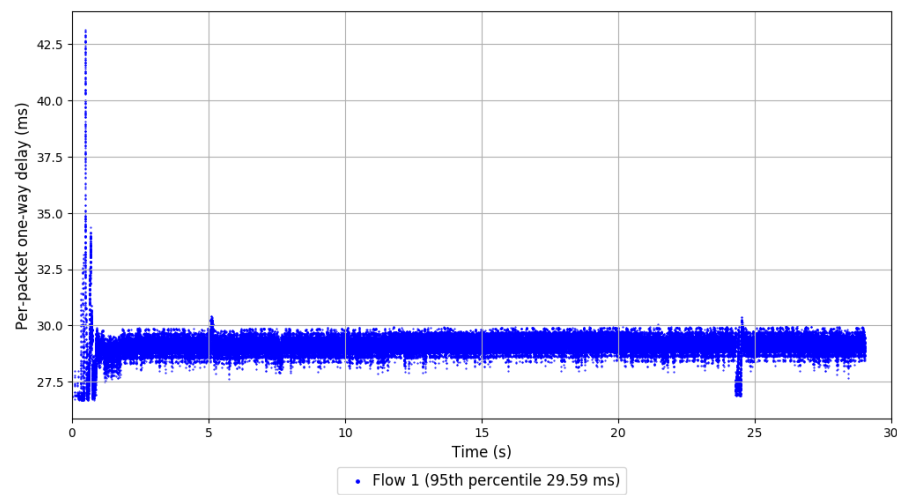
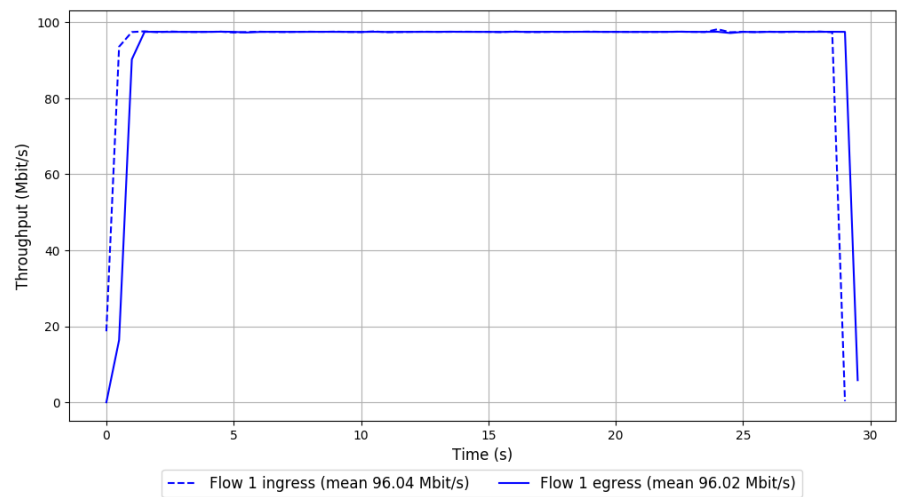
-- Flow 1:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 29.595 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:03:16

End at: 2019-02-11 12:03:46

Local clock offset: -0.091 ms

Remote clock offset: -7.005 ms

Below is generated by plot.py at 2019-02-11 14:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 34.541 ms

Loss rate: 0.53%

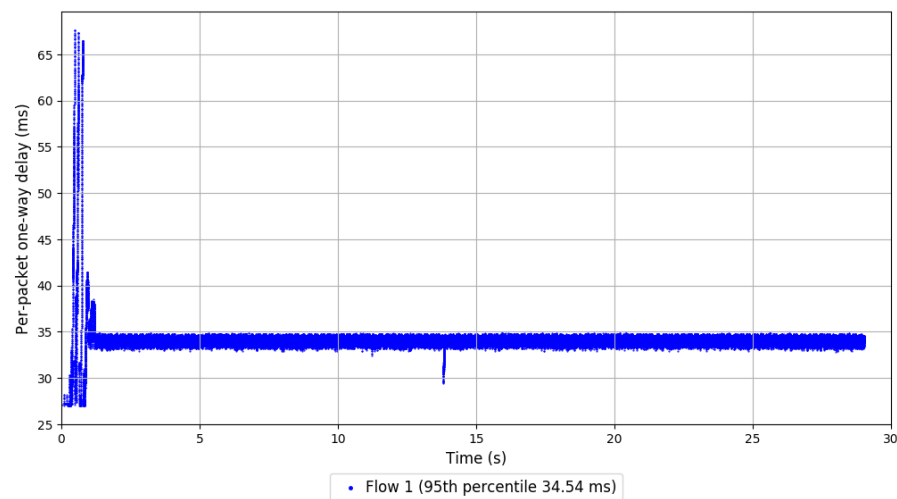
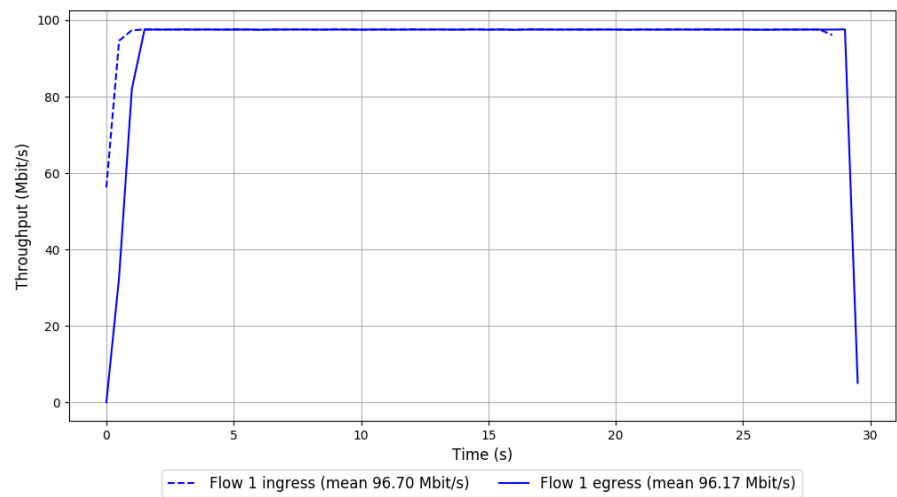
-- Flow 1:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 34.541 ms

Loss rate: 0.53%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:27:28

End at: 2019-02-11 12:27:58

Local clock offset: 0.077 ms

Remote clock offset: -4.85 ms

Below is generated by plot.py at 2019-02-11 14:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 36.908 ms

Loss rate: 1.23%

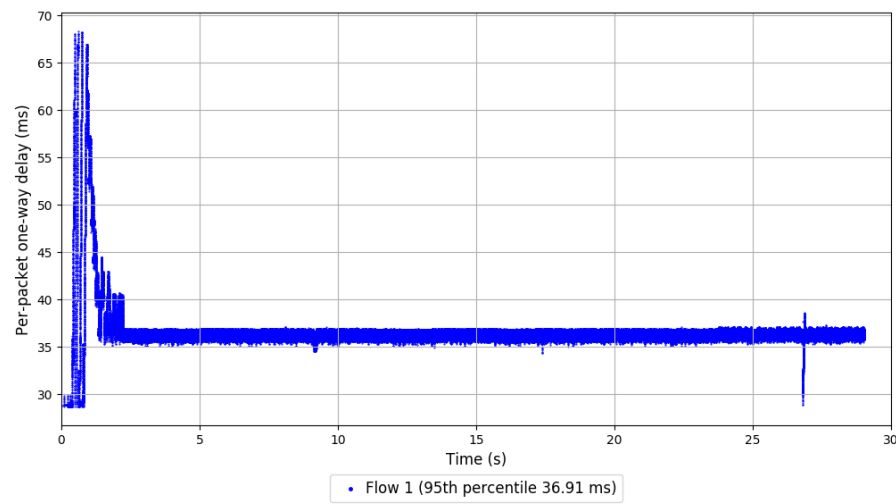
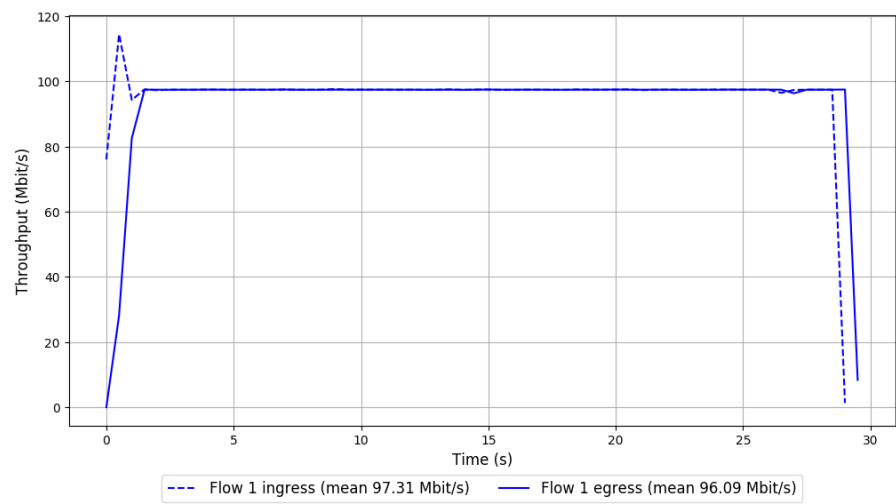
-- Flow 1:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 36.908 ms

Loss rate: 1.23%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:51:43

End at: 2019-02-11 12:52:13

Local clock offset: 0.034 ms

Remote clock offset: -4.723 ms

Below is generated by plot.py at 2019-02-11 14:08:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 35.745 ms

Loss rate: 0.62%

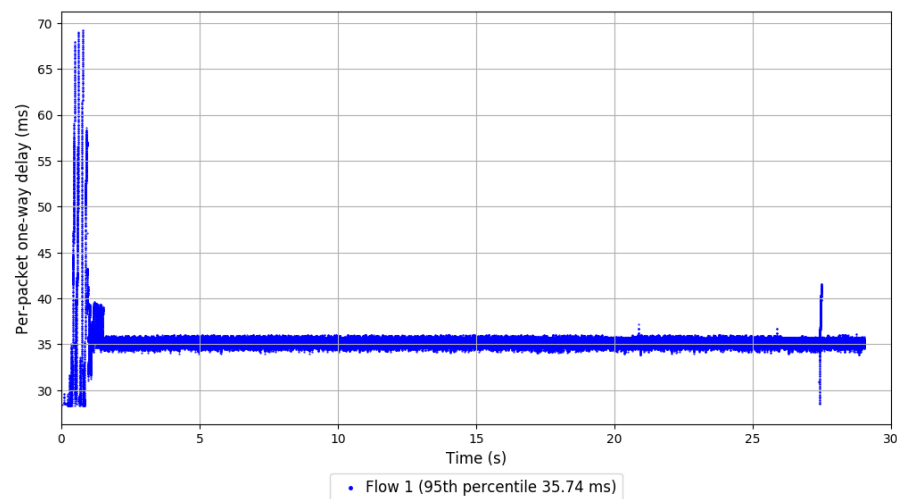
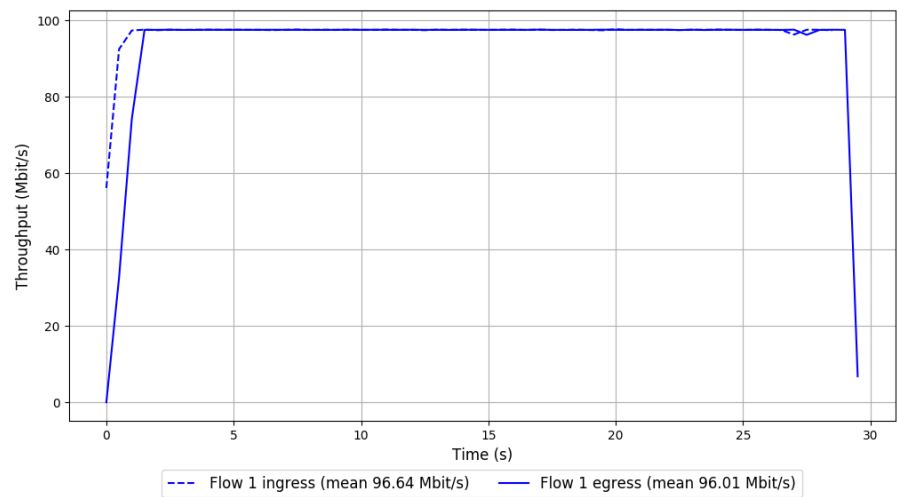
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 35.745 ms

Loss rate: 0.62%

Run 3: Report of Indigo-MusesT — Data Link

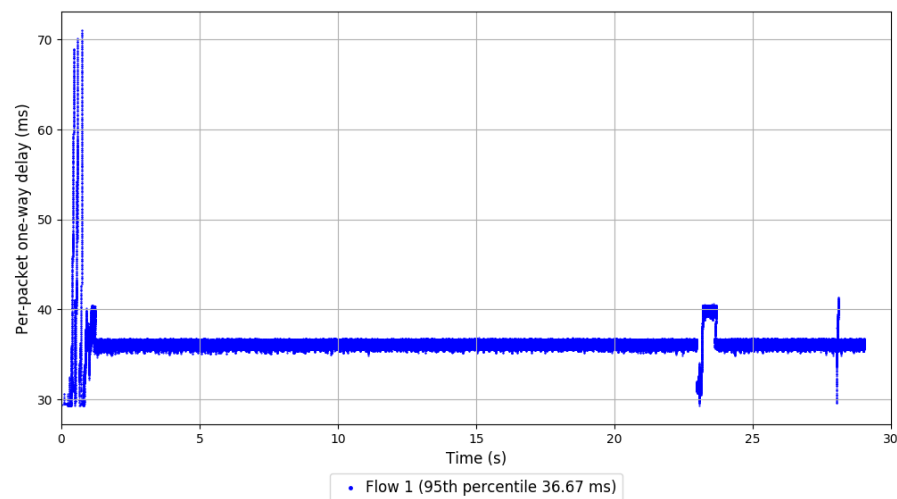
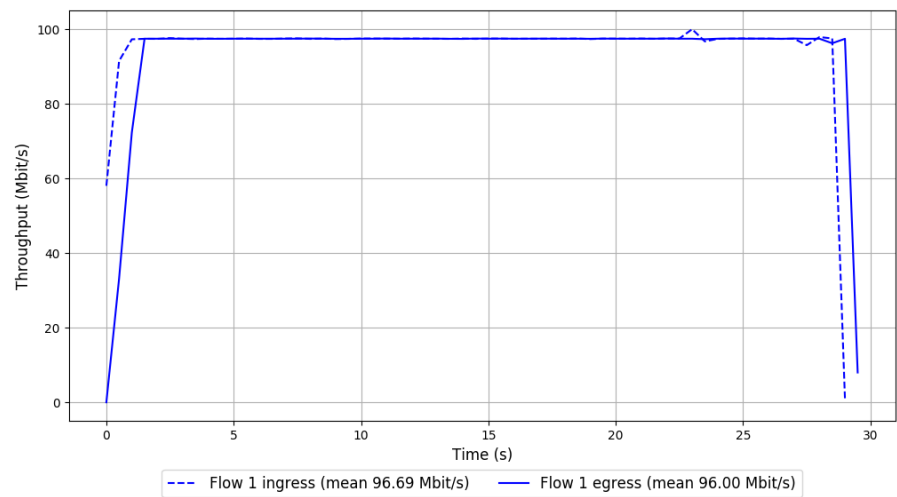


Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:15:59
End at: 2019-02-11 13:16:29
Local clock offset: 0.145 ms
Remote clock offset: -3.505 ms

Below is generated by plot.py at 2019-02-11 14:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 36.674 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 36.674 ms
Loss rate: 0.69%

Run 4: Report of Indigo-MusesT — Data Link

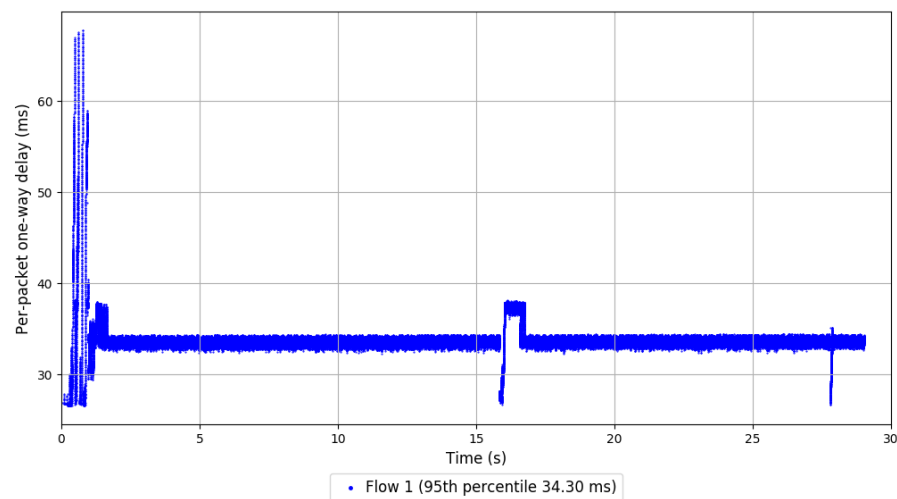
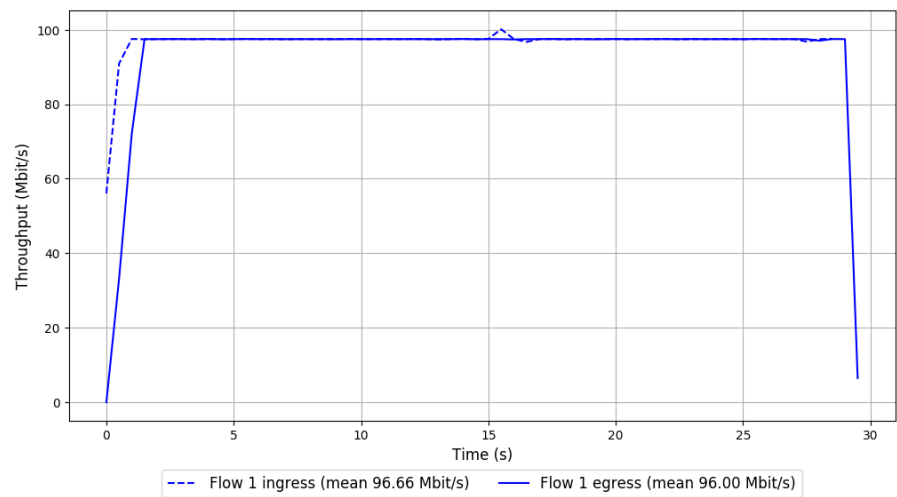


Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:40:11
End at: 2019-02-11 13:40:41
Local clock offset: 1.815 ms
Remote clock offset: -6.413 ms

Below is generated by plot.py at 2019-02-11 14:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 34.303 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 34.303 ms
Loss rate: 0.66%

Run 5: Report of Indigo-MusesT — Data Link

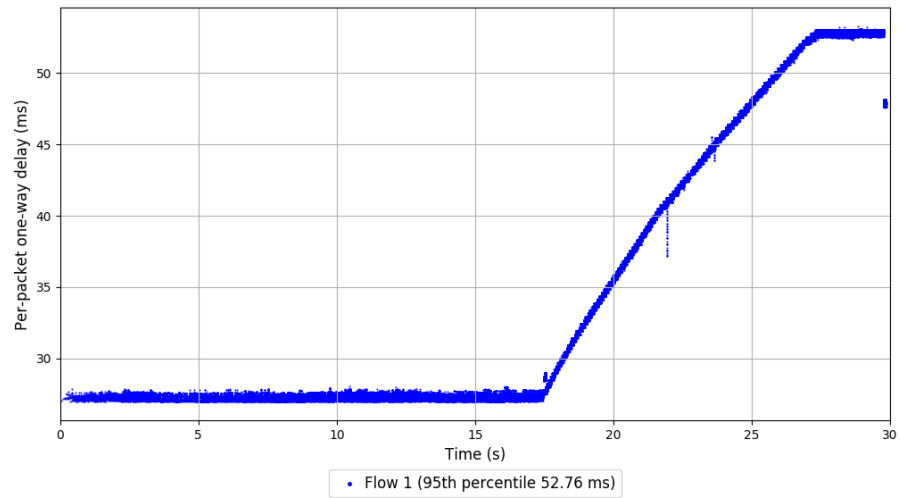
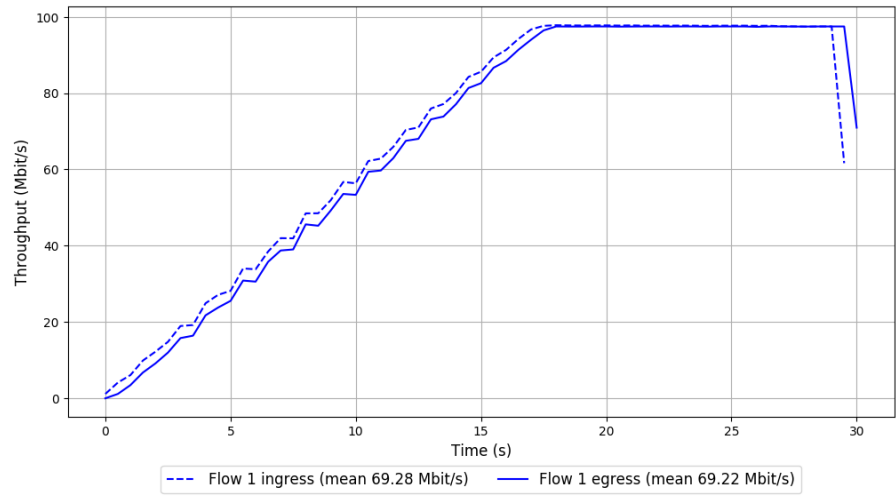


Run 1: Statistics of LEDBAT

Start at: 2019-02-11 12:04:26
End at: 2019-02-11 12:04:56
Local clock offset: -0.11 ms
Remote clock offset: -7.065 ms

Below is generated by plot.py at 2019-02-11 14:08:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 52.763 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 52.763 ms
Loss rate: 0.02%

Run 1: Report of LEDBAT — Data Link

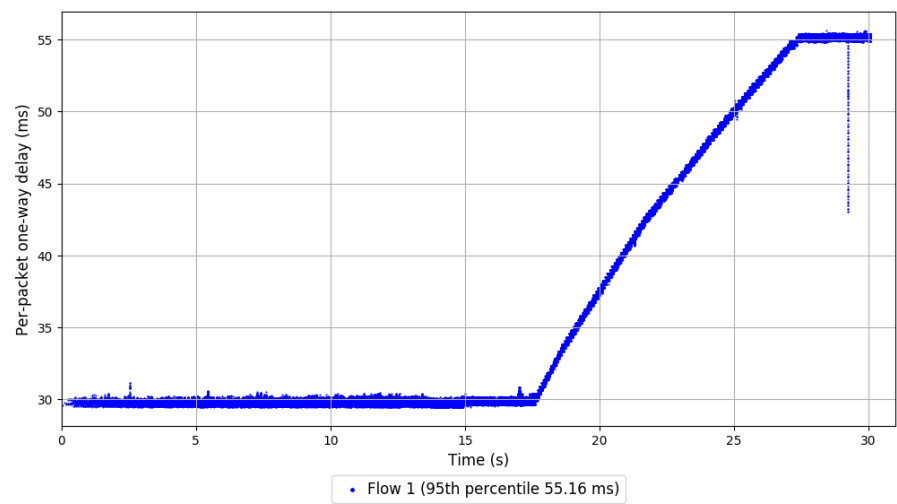
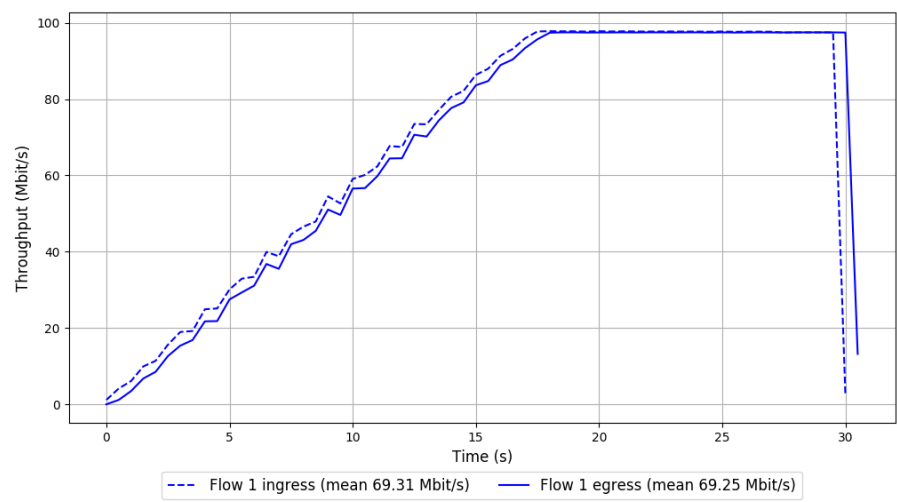


Run 2: Statistics of LEDBAT

Start at: 2019-02-11 12:28:39
End at: 2019-02-11 12:29:09
Local clock offset: 0.065 ms
Remote clock offset: -4.131 ms

Below is generated by plot.py at 2019-02-11 14:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.25 Mbit/s
95th percentile per-packet one-way delay: 55.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.25 Mbit/s
95th percentile per-packet one-way delay: 55.163 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

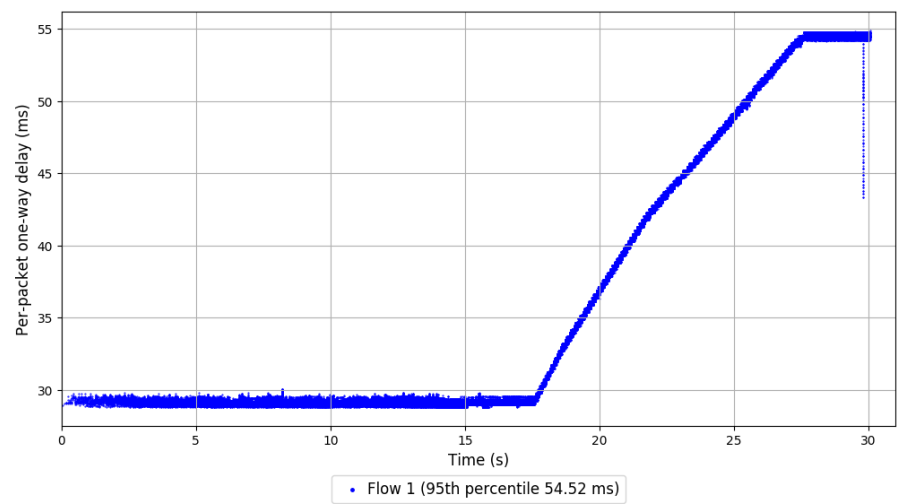
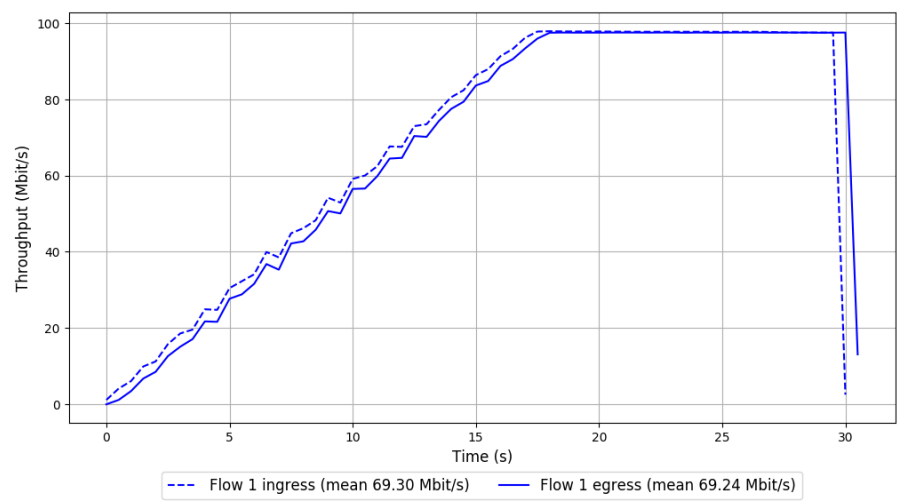


Run 3: Statistics of LEDBAT

Start at: 2019-02-11 12:52:53
End at: 2019-02-11 12:53:23
Local clock offset: 0.037 ms
Remote clock offset: -4.268 ms

Below is generated by plot.py at 2019-02-11 14:08:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 54.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 54.519 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

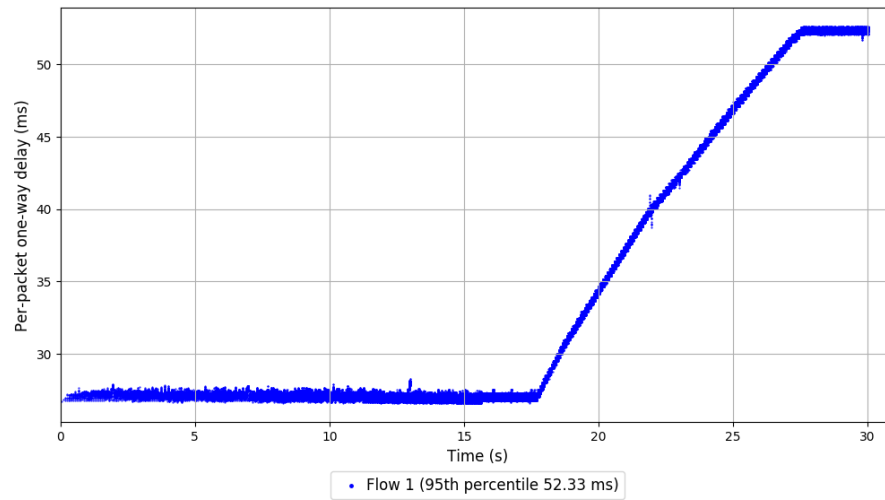
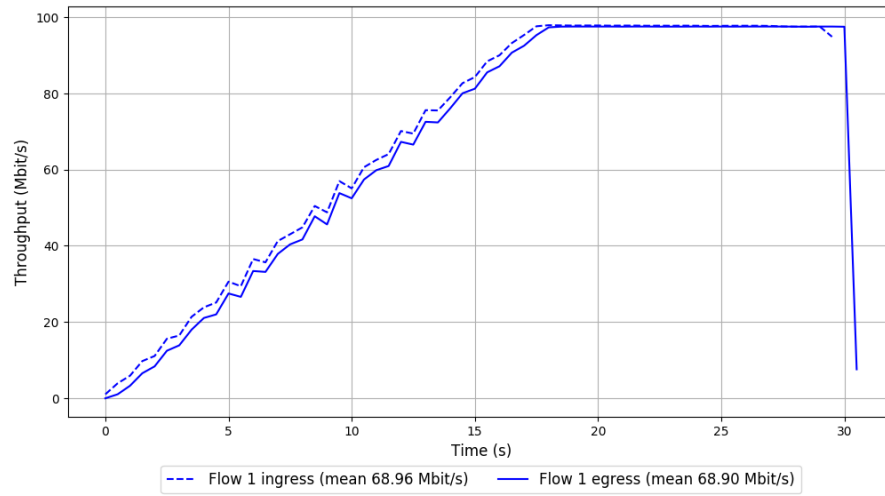


Run 4: Statistics of LEDBAT

Start at: 2019-02-11 13:17:10
End at: 2019-02-11 13:17:40
Local clock offset: 0.143 ms
Remote clock offset: -6.236 ms

Below is generated by plot.py at 2019-02-11 14:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 52.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 52.326 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

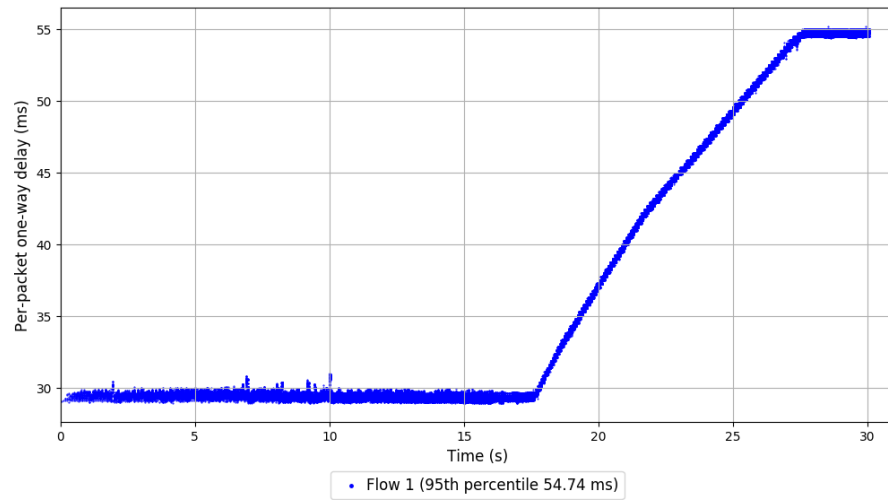
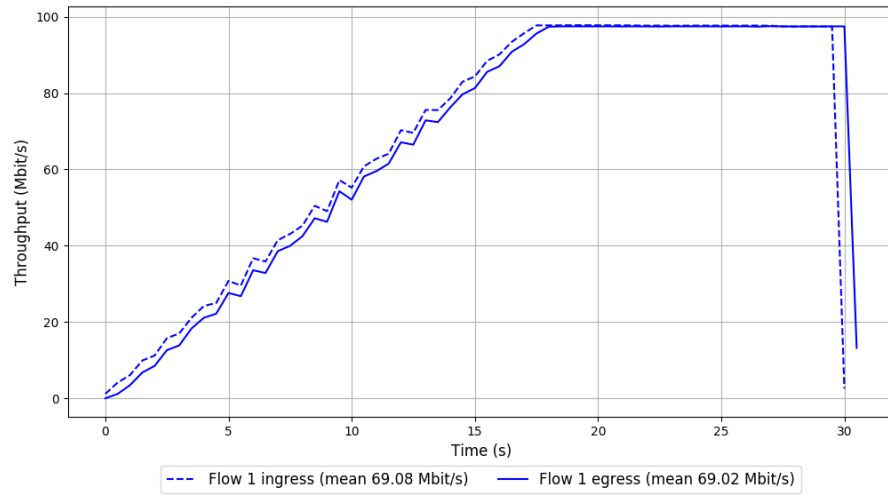


Run 5: Statistics of LEDBAT

Start at: 2019-02-11 13:41:22
End at: 2019-02-11 13:41:52
Local clock offset: 2.055 ms
Remote clock offset: -4.056 ms

Below is generated by plot.py at 2019-02-11 14:09:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.02 Mbit/s
95th percentile per-packet one-way delay: 54.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.02 Mbit/s
95th percentile per-packet one-way delay: 54.741 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

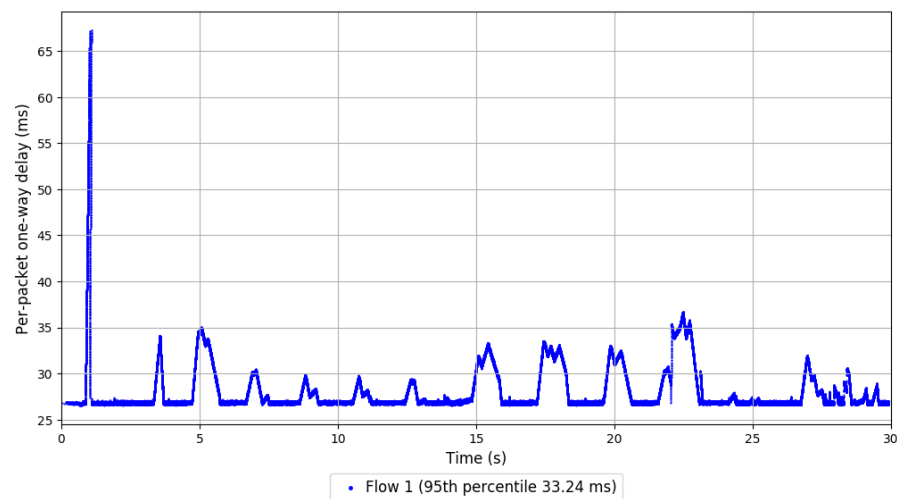
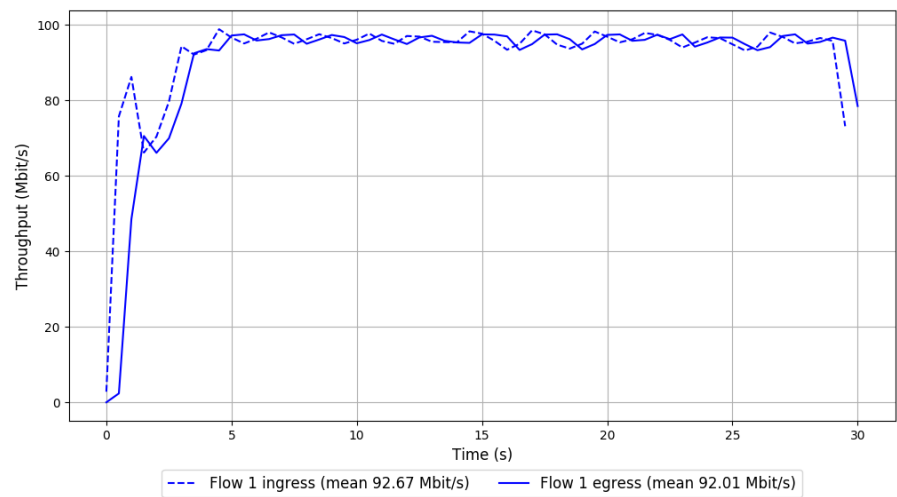


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-11 12:14:50
End at: 2019-02-11 12:15:20
Local clock offset: 0.039 ms
Remote clock offset: -7.188 ms

# Below is generated by plot.py at 2019-02-11 14:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 33.242 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 33.242 ms
Loss rate: 0.72%
```

Run 1: Report of PCC-Allegro — Data Link

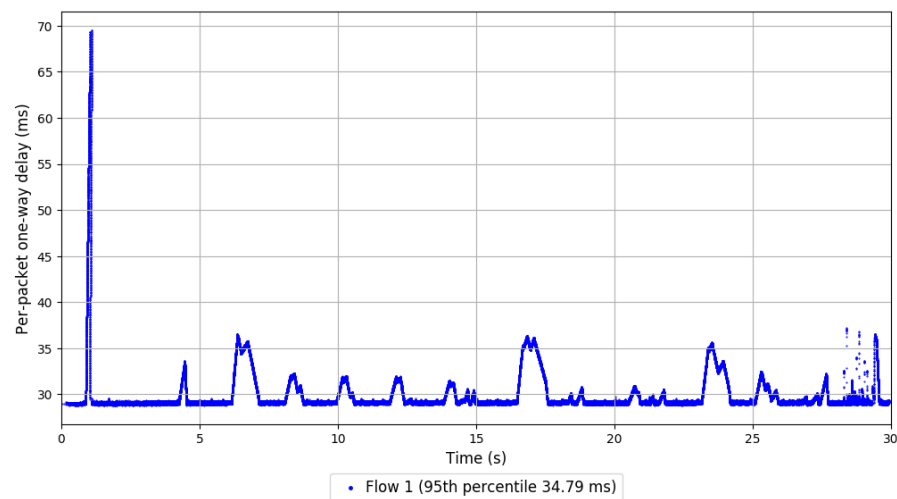
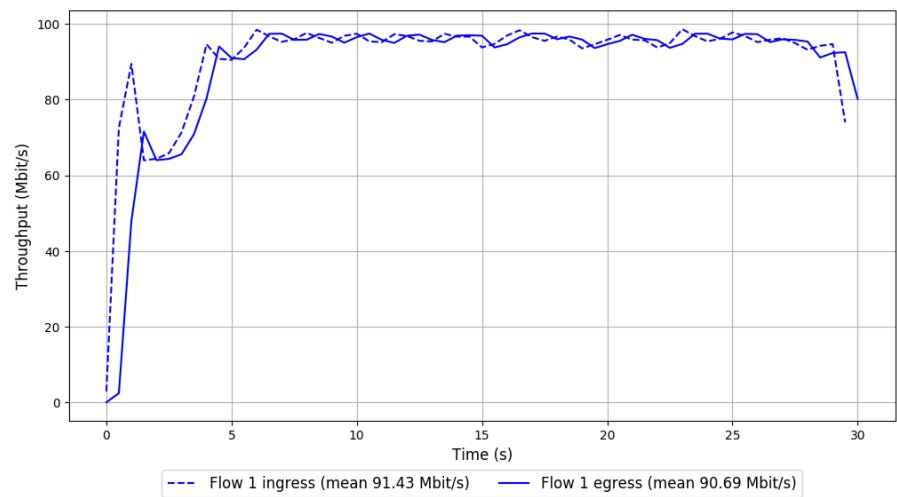


Run 2: Statistics of PCC-Allegro

Start at: 2019-02-11 12:39:03
End at: 2019-02-11 12:39:33
Local clock offset: 0.069 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2019-02-11 14:09:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 34.787 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 34.787 ms
Loss rate: 0.82%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-11 13:03:20

End at: 2019-02-11 13:03:51

Local clock offset: 0.032 ms

Remote clock offset: -4.409 ms

Below is generated by plot.py at 2019-02-11 14:09:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 34.212 ms

Loss rate: 0.75%

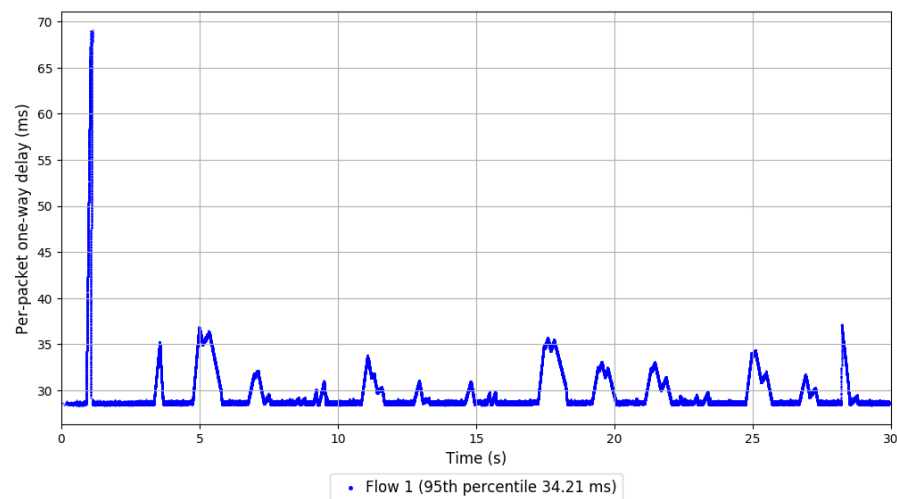
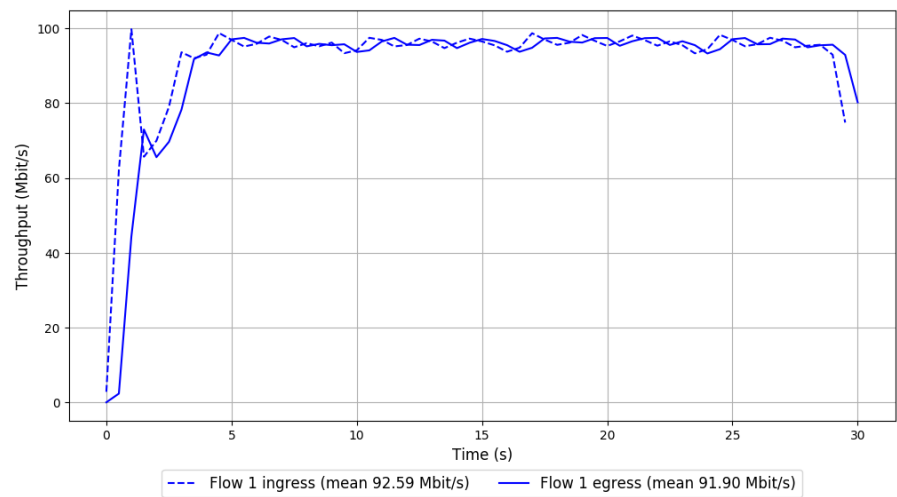
-- Flow 1:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 34.212 ms

Loss rate: 0.75%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-11 13:27:32

End at: 2019-02-11 13:28:02

Local clock offset: 0.183 ms

Remote clock offset: -6.171 ms

Below is generated by plot.py at 2019-02-11 14:09:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 29.865 ms

Loss rate: 0.70%

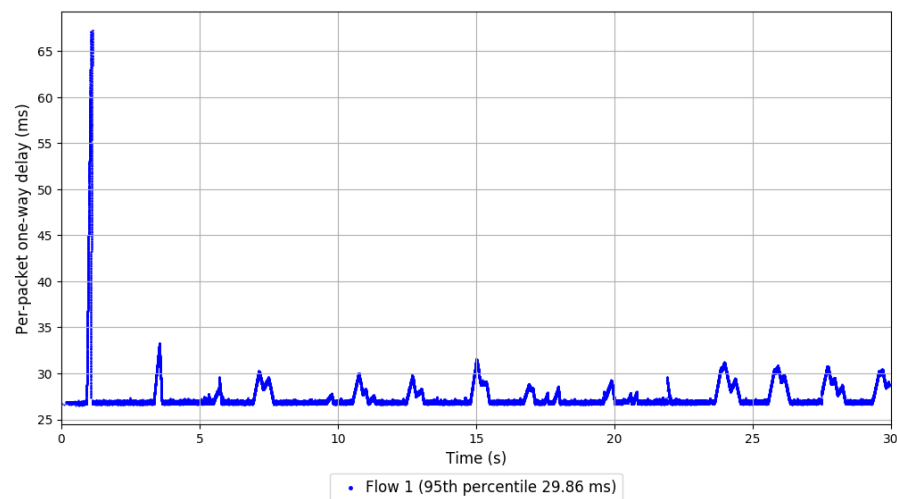
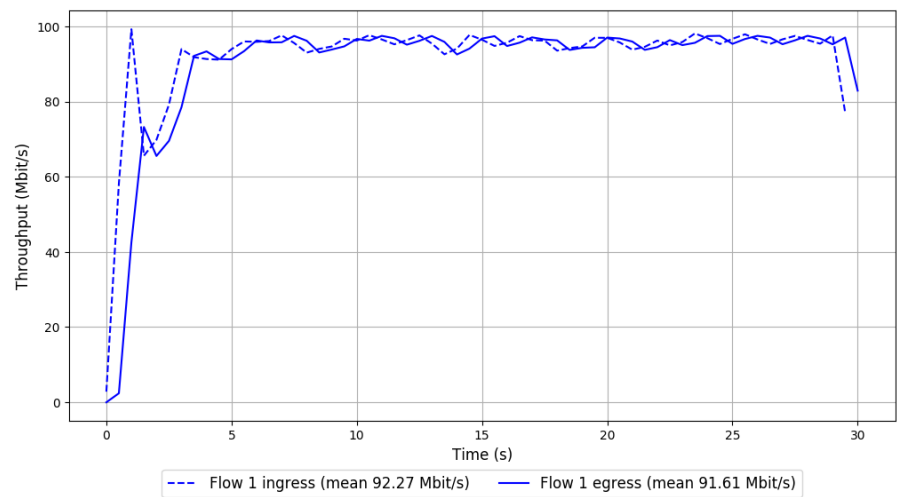
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 29.865 ms

Loss rate: 0.70%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-11 13:51:46

End at: 2019-02-11 13:52:16

Local clock offset: 3.375 ms

Remote clock offset: -6.102 ms

Below is generated by plot.py at 2019-02-11 14:10:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 30.660 ms

Loss rate: 0.69%

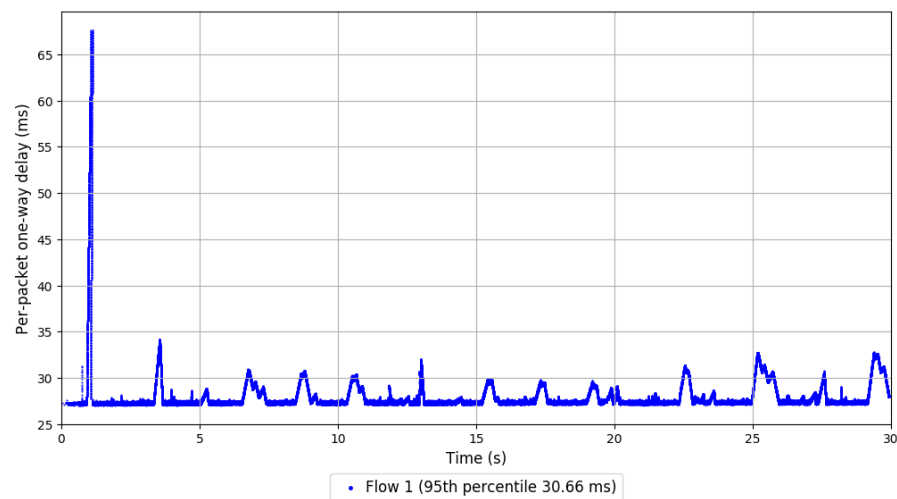
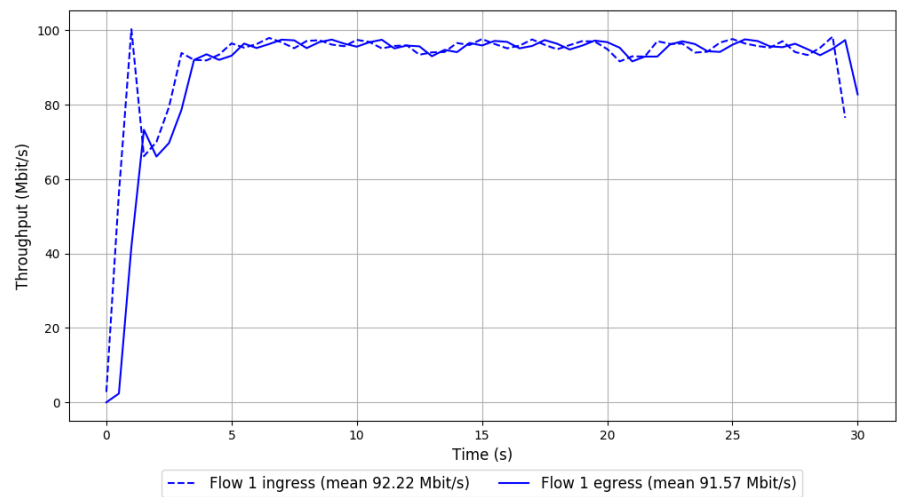
-- Flow 1:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 30.660 ms

Loss rate: 0.69%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

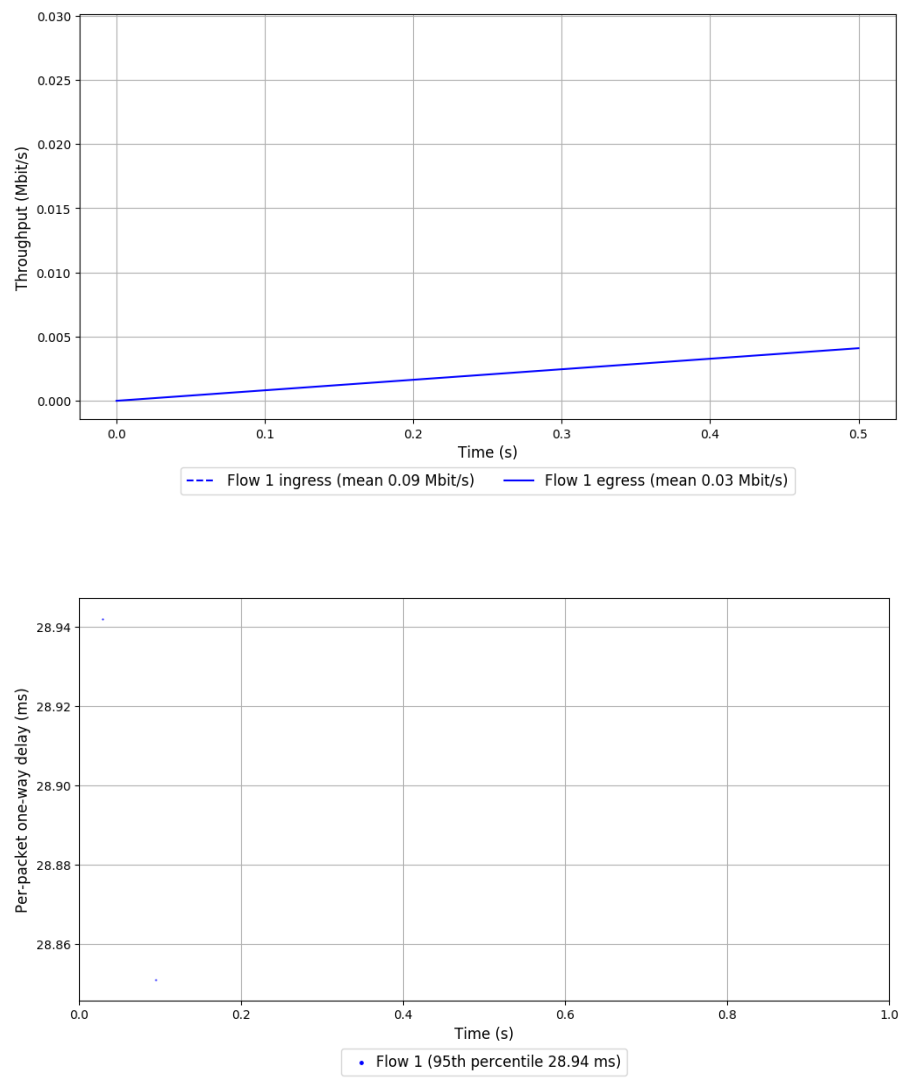
Start at: 2019-02-11 12:17:09

End at: 2019-02-11 12:17:39

Local clock offset: 0.047 ms

Remote clock offset: -5.032 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

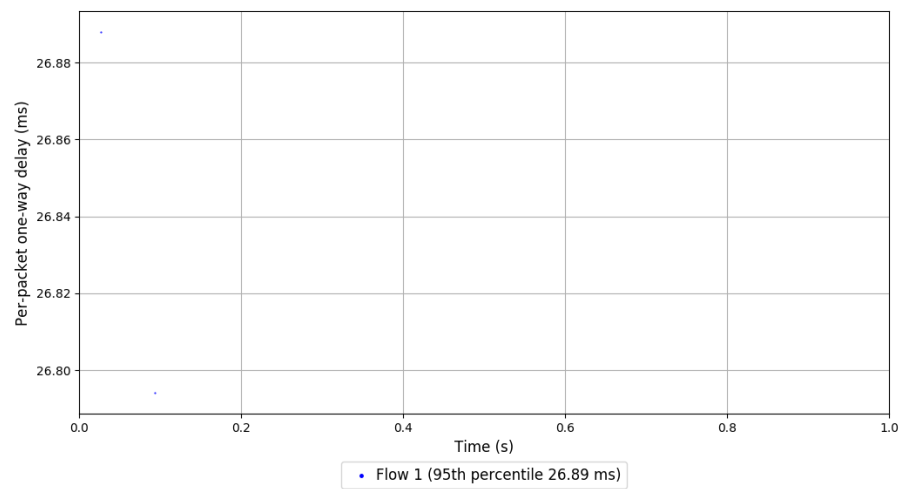
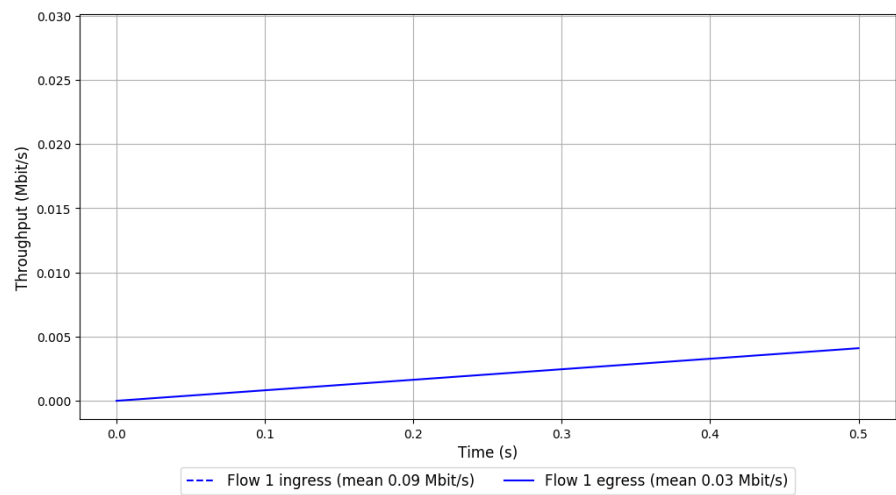
Start at: 2019-02-11 12:41:23

End at: 2019-02-11 12:41:53

Local clock offset: 0.059 ms

Remote clock offset: -6.55 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

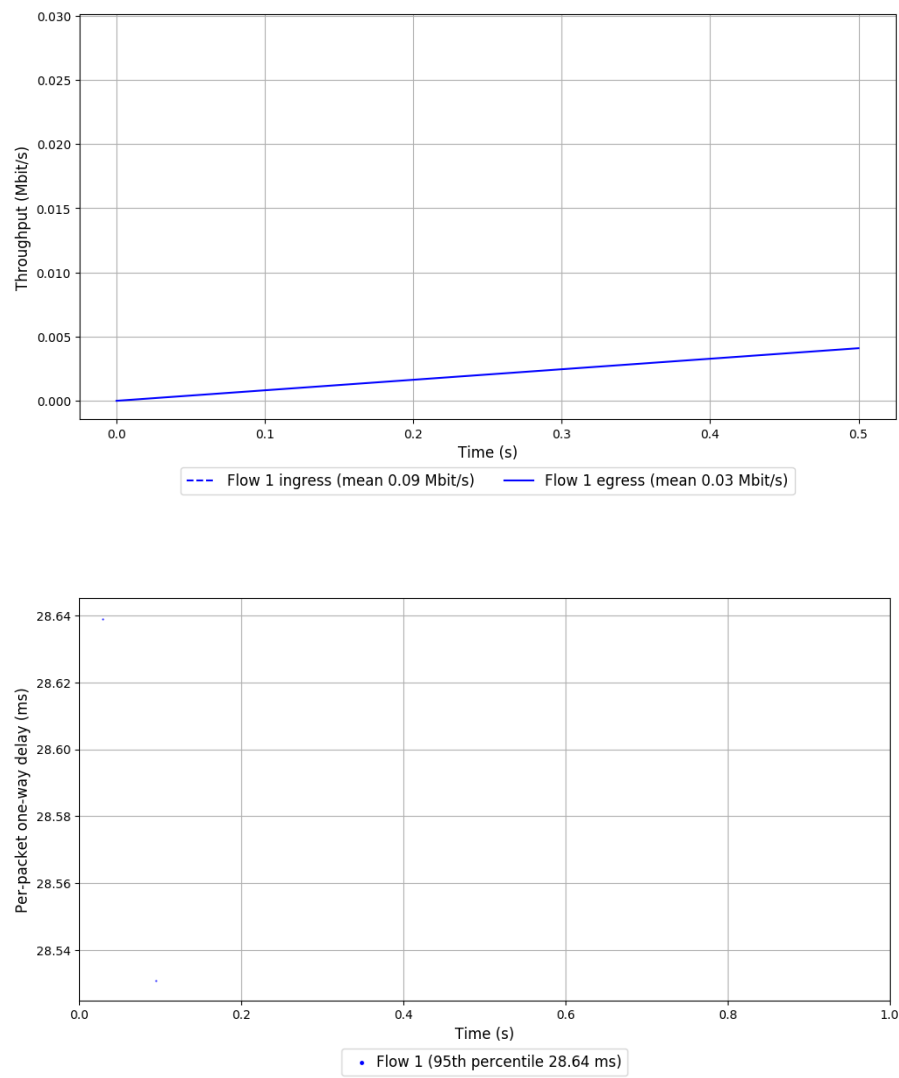
Start at: 2019-02-11 13:05:40

End at: 2019-02-11 13:06:10

Local clock offset: 0.059 ms

Remote clock offset: -4.372 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

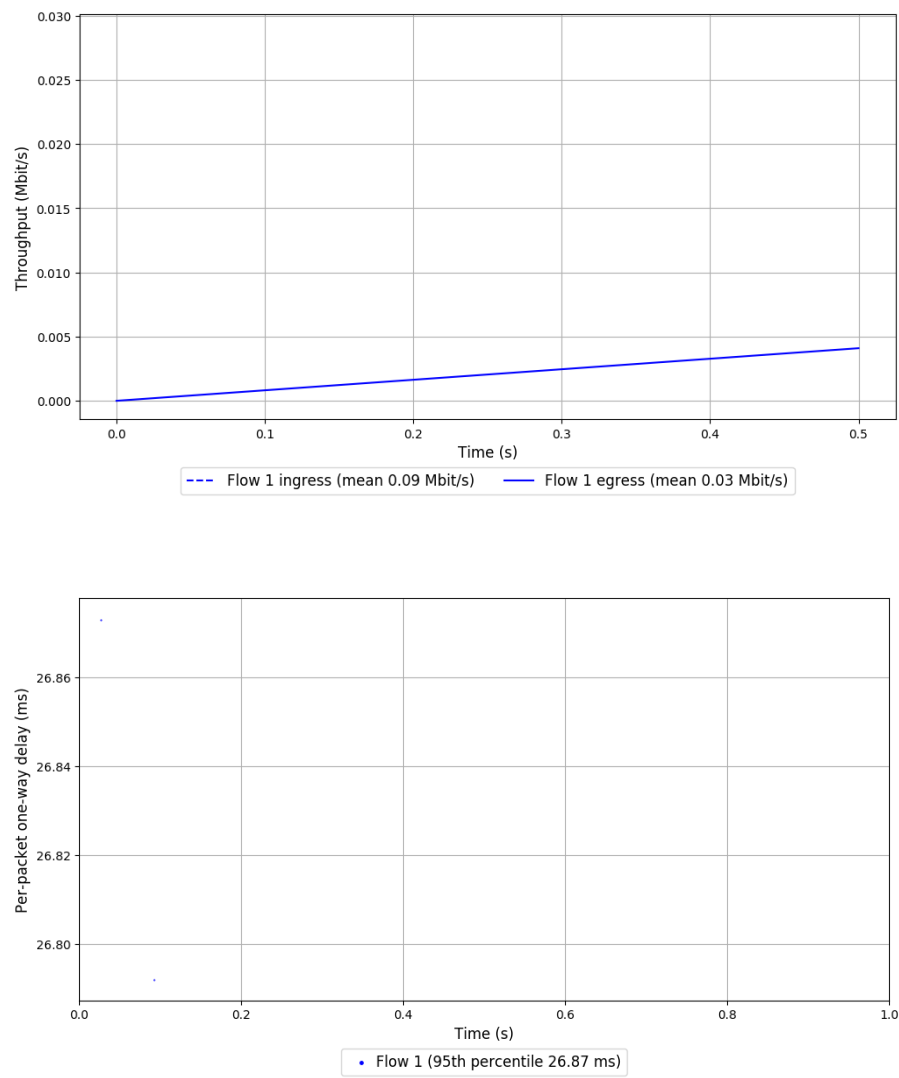
Start at: 2019-02-11 13:29:52

End at: 2019-02-11 13:30:22

Local clock offset: 0.175 ms

Remote clock offset: -6.09 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

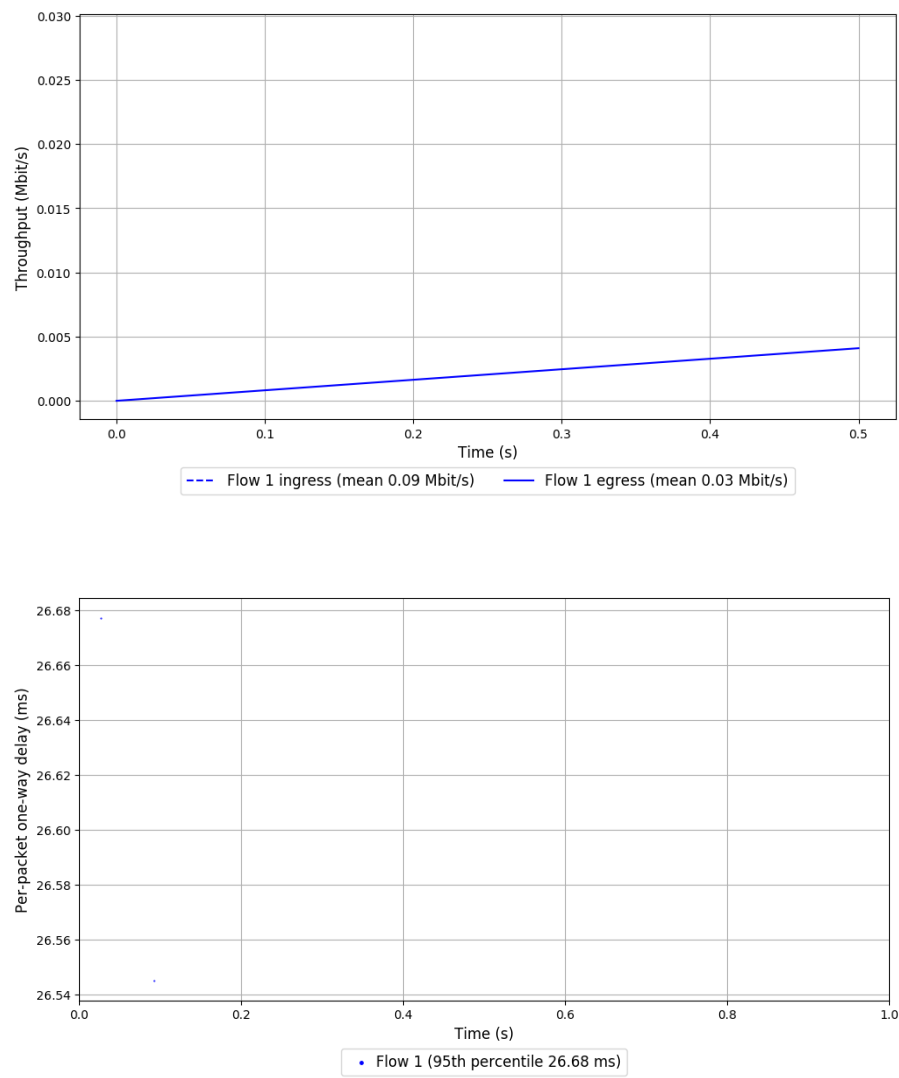
Start at: 2019-02-11 13:54:06

End at: 2019-02-11 13:54:36

Local clock offset: 3.578 ms

Remote clock offset: -6.671 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-11 12:12:30

End at: 2019-02-11 12:13:00

Local clock offset: 0.02 ms

Remote clock offset: -7.493 ms

Below is generated by plot.py at 2019-02-11 14:10:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.56 Mbit/s

95th percentile per-packet one-way delay: 60.395 ms

Loss rate: 1.69%

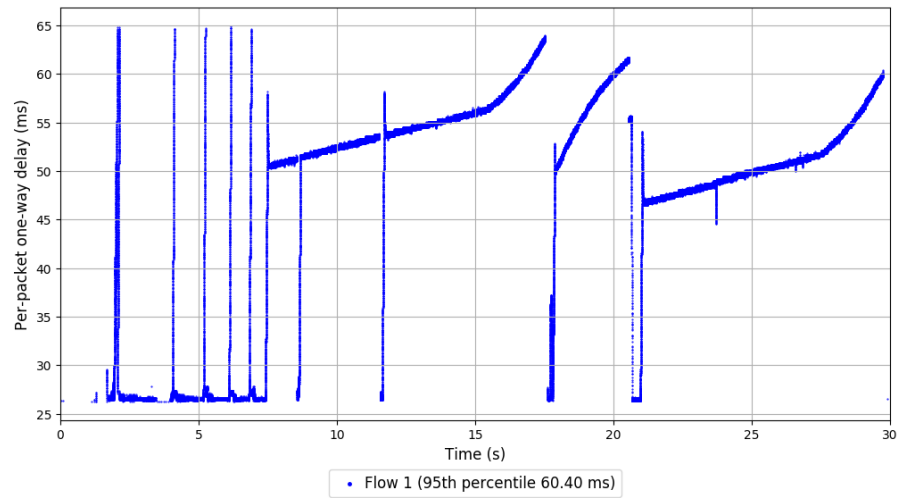
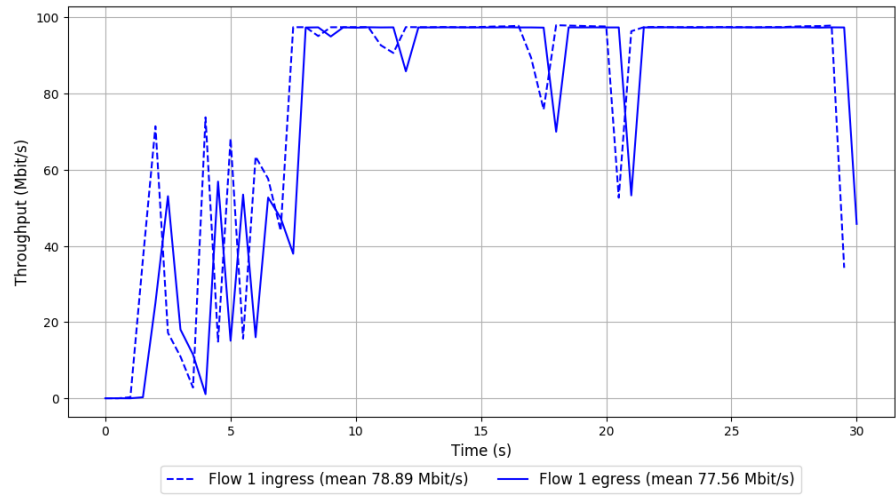
-- Flow 1:

Average throughput: 77.56 Mbit/s

95th percentile per-packet one-way delay: 60.395 ms

Loss rate: 1.69%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-11 12:36:44

End at: 2019-02-11 12:37:14

Local clock offset: 0.071 ms

Remote clock offset: -6.663 ms

Below is generated by plot.py at 2019-02-11 14:10:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 63.559 ms

Loss rate: 1.94%

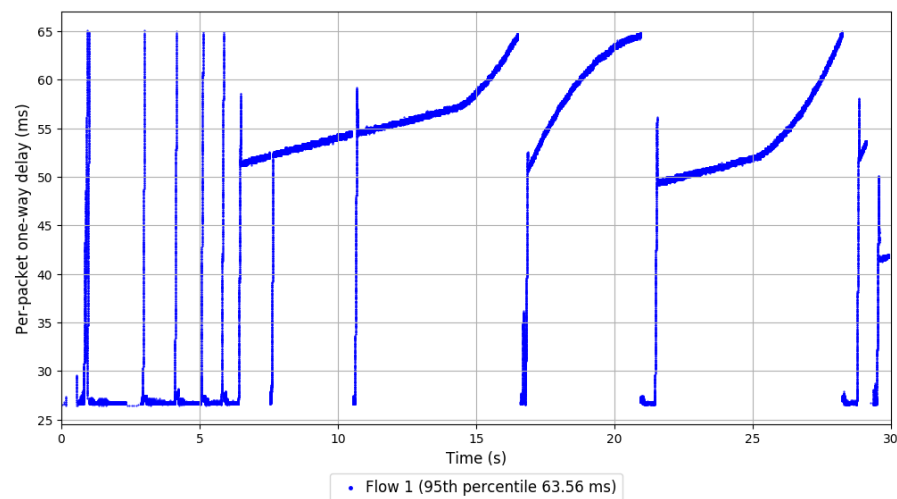
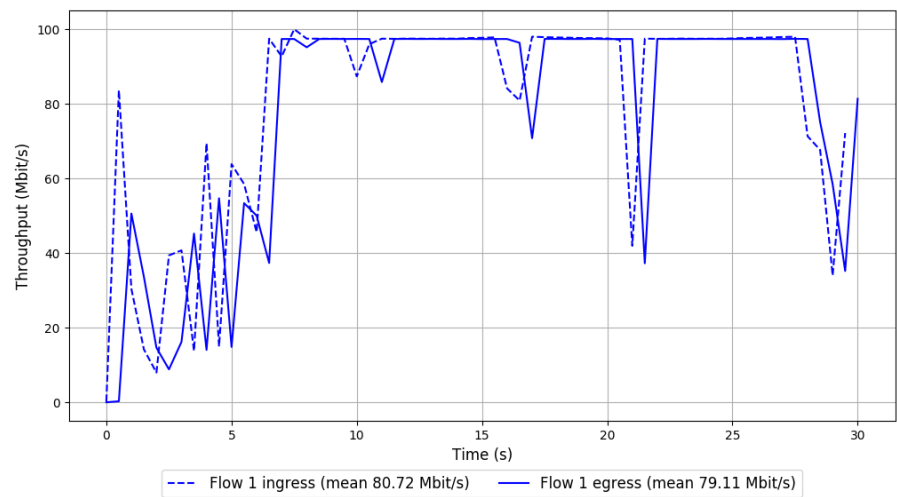
-- Flow 1:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 63.559 ms

Loss rate: 1.94%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-11 13:00:57

End at: 2019-02-11 13:01:27

Local clock offset: 0.038 ms

Remote clock offset: -6.333 ms

Below is generated by plot.py at 2019-02-11 14:10:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.95 Mbit/s

95th percentile per-packet one-way delay: 61.018 ms

Loss rate: 0.95%

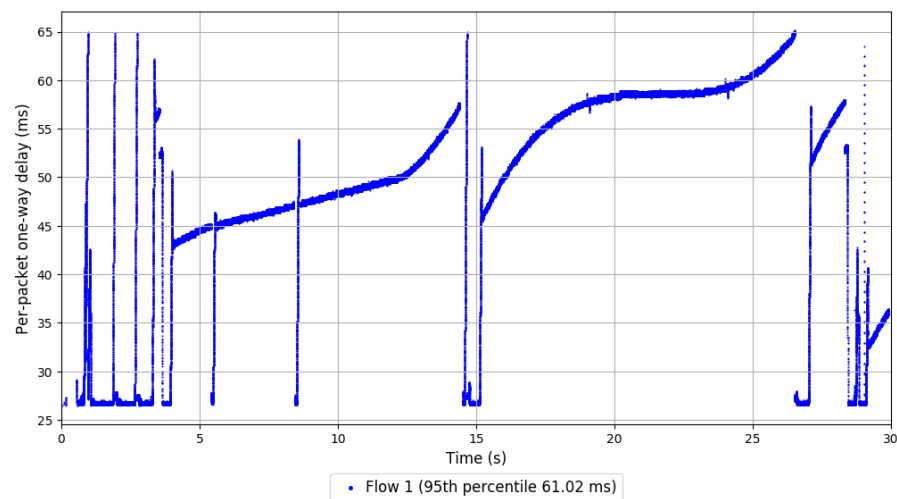
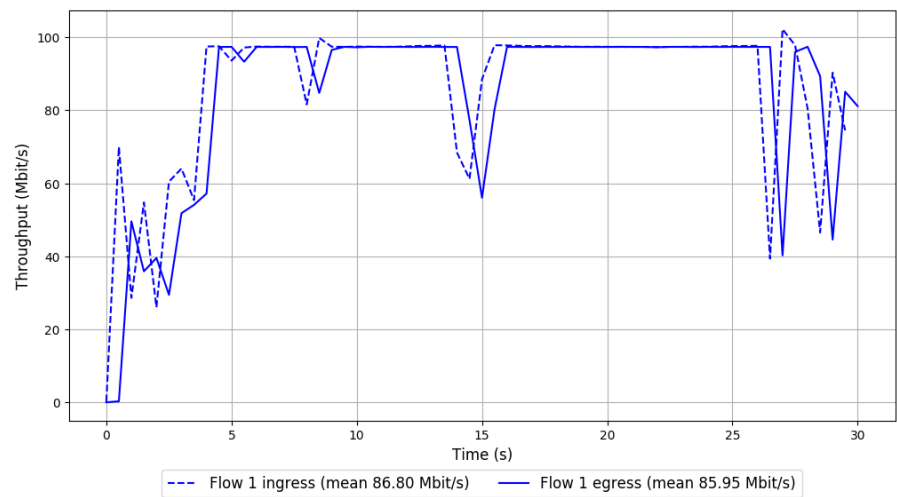
-- Flow 1:

Average throughput: 85.95 Mbit/s

95th percentile per-packet one-way delay: 61.018 ms

Loss rate: 0.95%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-11 13:25:13

End at: 2019-02-11 13:25:44

Local clock offset: 0.178 ms

Remote clock offset: -4.501 ms

Below is generated by plot.py at 2019-02-11 14:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.44 Mbit/s

95th percentile per-packet one-way delay: 66.051 ms

Loss rate: 1.92%

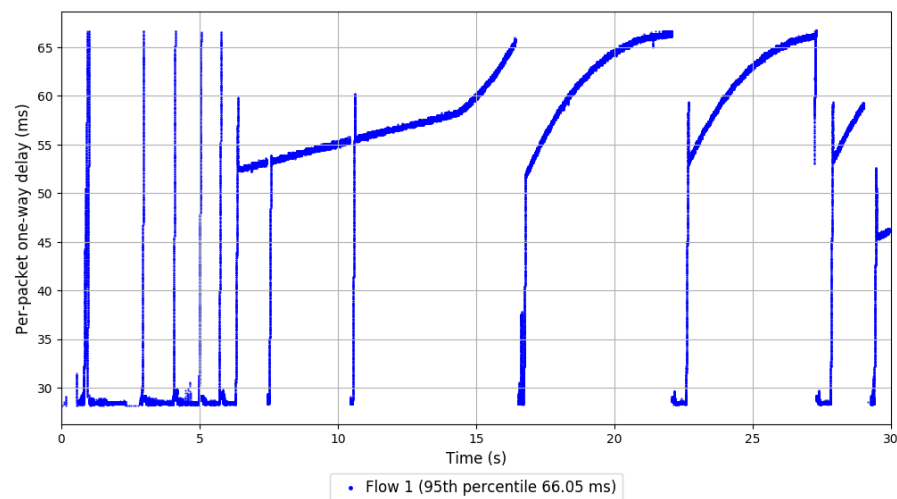
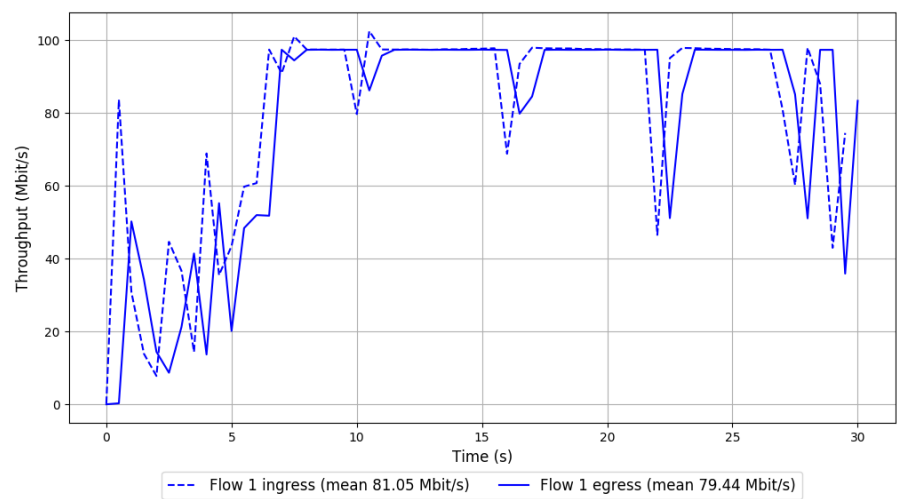
-- Flow 1:

Average throughput: 79.44 Mbit/s

95th percentile per-packet one-way delay: 66.051 ms

Loss rate: 1.92%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-11 13:49:26

End at: 2019-02-11 13:49:56

Local clock offset: 3.192 ms

Remote clock offset: -6.377 ms

Below is generated by plot.py at 2019-02-11 14:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 59.257 ms

Loss rate: 1.64%

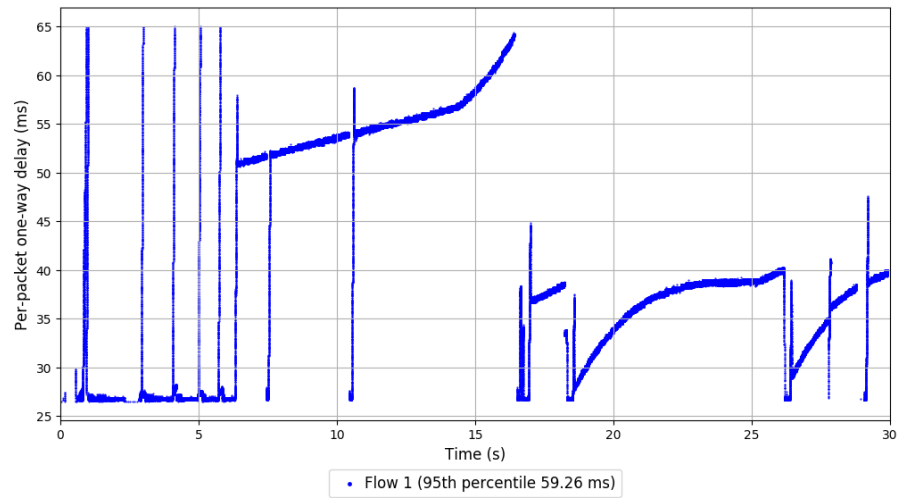
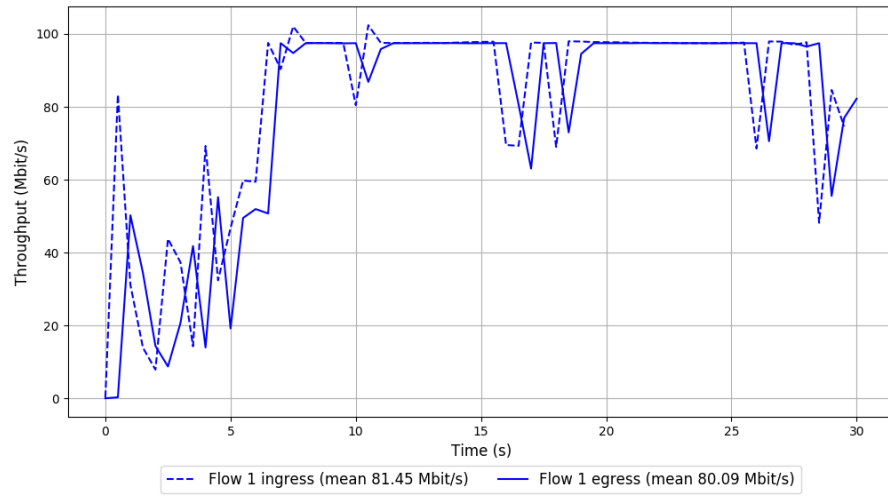
-- Flow 1:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 59.257 ms

Loss rate: 1.64%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-02-11 12:10:13

End at: 2019-02-11 12:10:43

Local clock offset: 0.002 ms

Remote clock offset: -5.47 ms

Below is generated by plot.py at 2019-02-11 14:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.692 ms

Loss rate: 0.00%

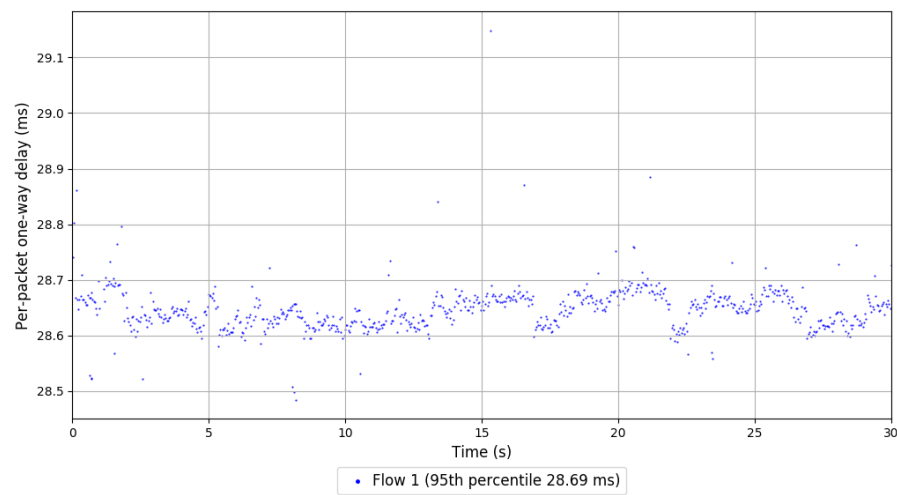
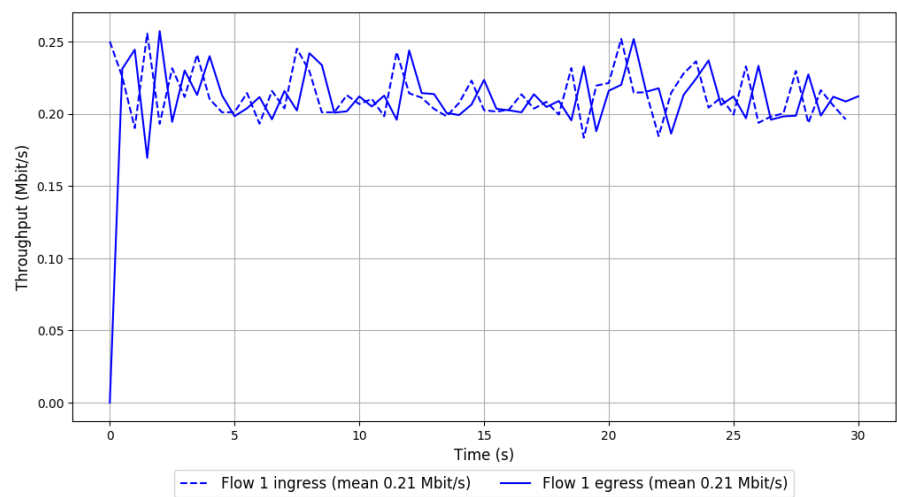
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.692 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

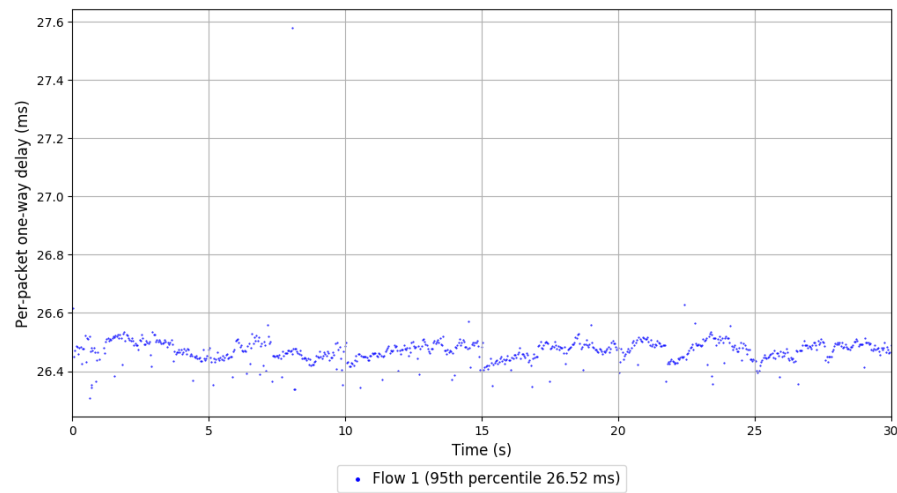
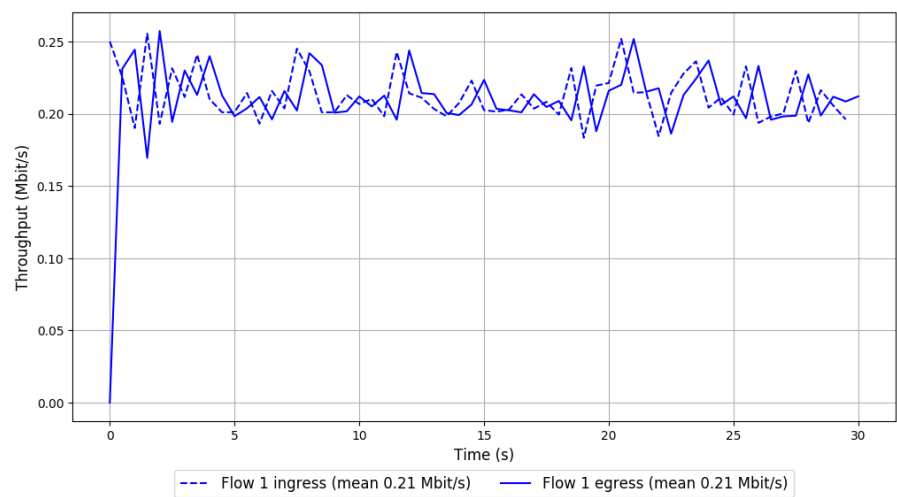


Run 2: Statistics of SCReAM

Start at: 2019-02-11 12:34:26
End at: 2019-02-11 12:34:57
Local clock offset: 0.071 ms
Remote clock offset: -7.071 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.517 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

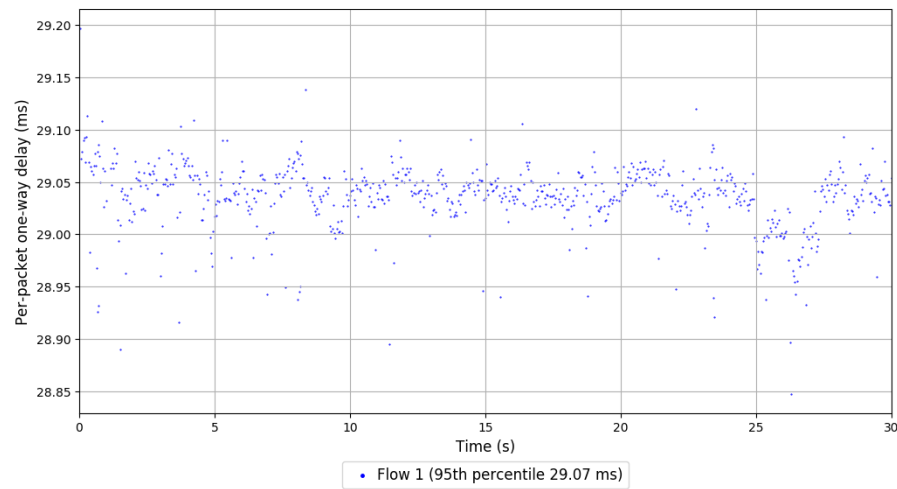
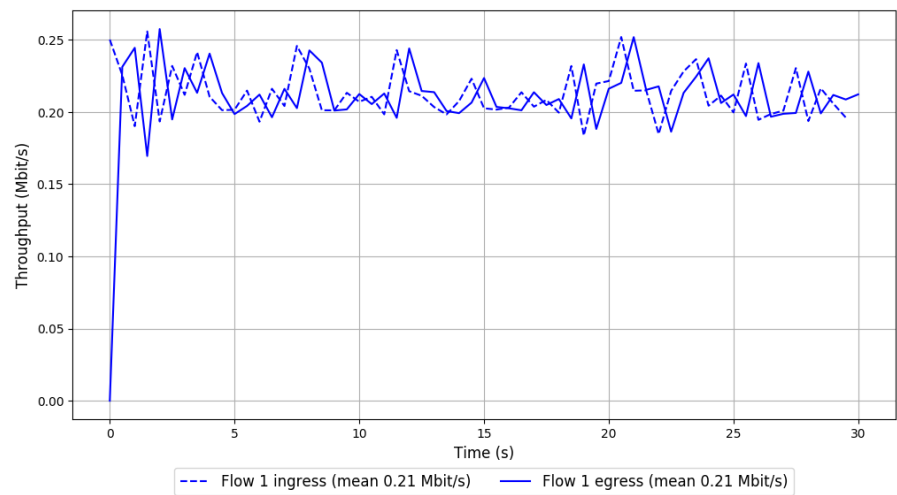


Run 3: Statistics of SCReAM

Start at: 2019-02-11 12:58:40
End at: 2019-02-11 12:59:10
Local clock offset: 0.073 ms
Remote clock offset: -4.043 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.073 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

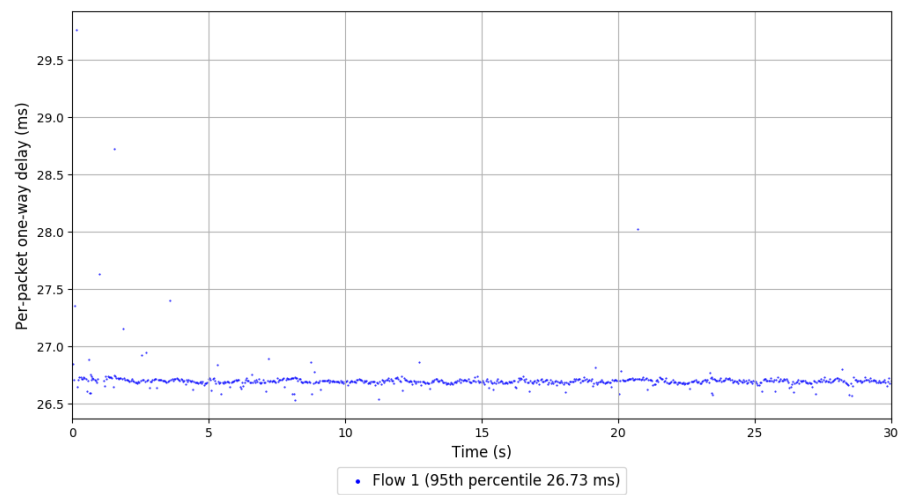
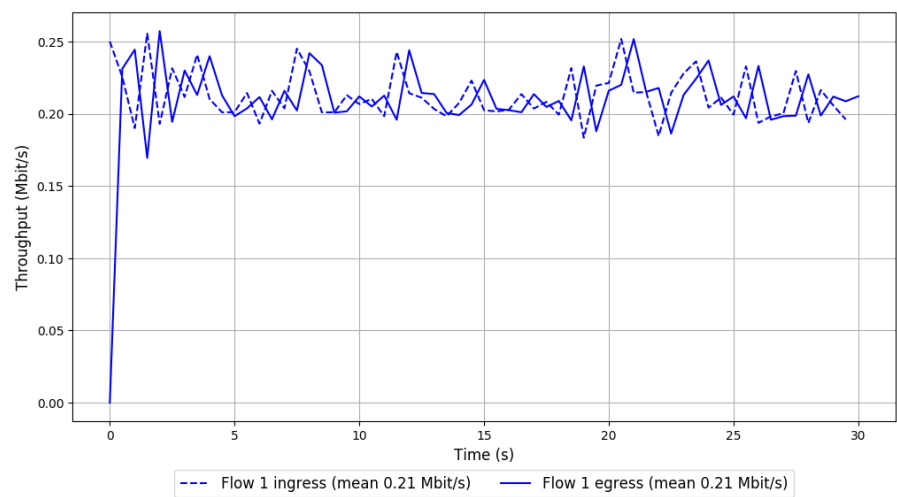


Run 4: Statistics of SCReAM

Start at: 2019-02-11 13:22:57
End at: 2019-02-11 13:23:27
Local clock offset: 0.165 ms
Remote clock offset: -6.229 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.730 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

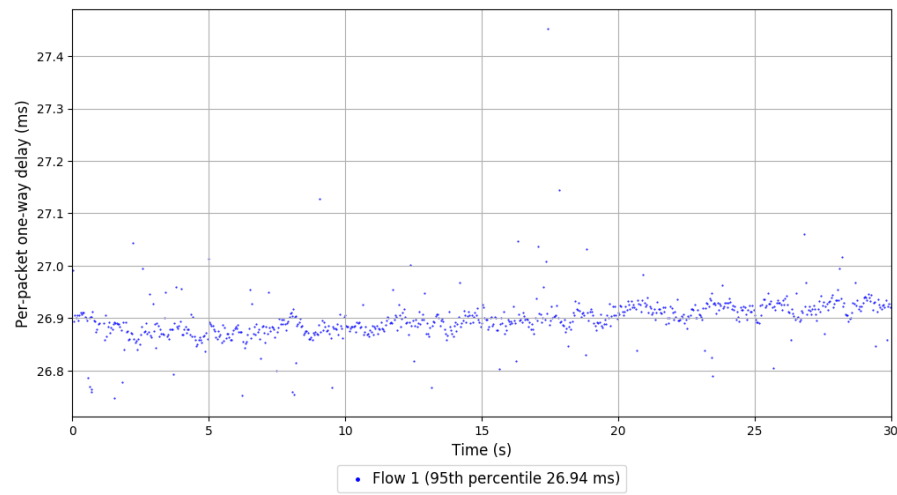
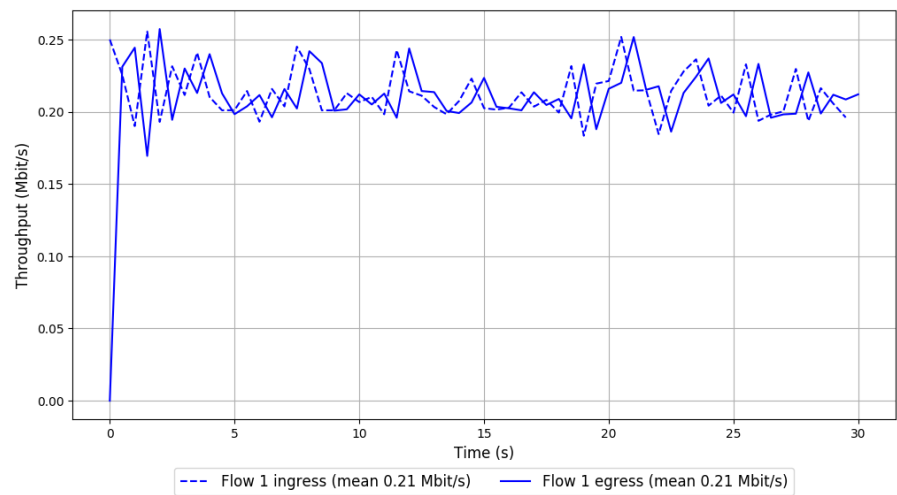


Run 5: Statistics of SCReAM

Start at: 2019-02-11 13:47:09
End at: 2019-02-11 13:47:39
Local clock offset: 2.908 ms
Remote clock offset: -6.322 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.941 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

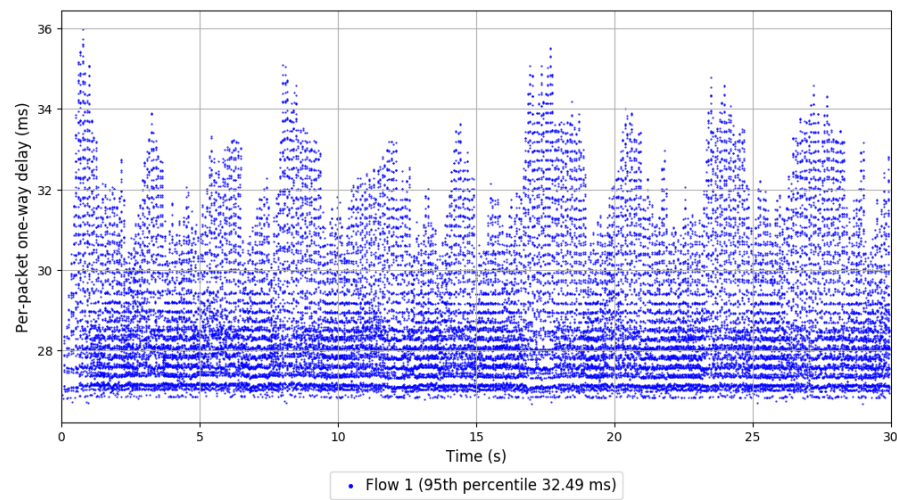
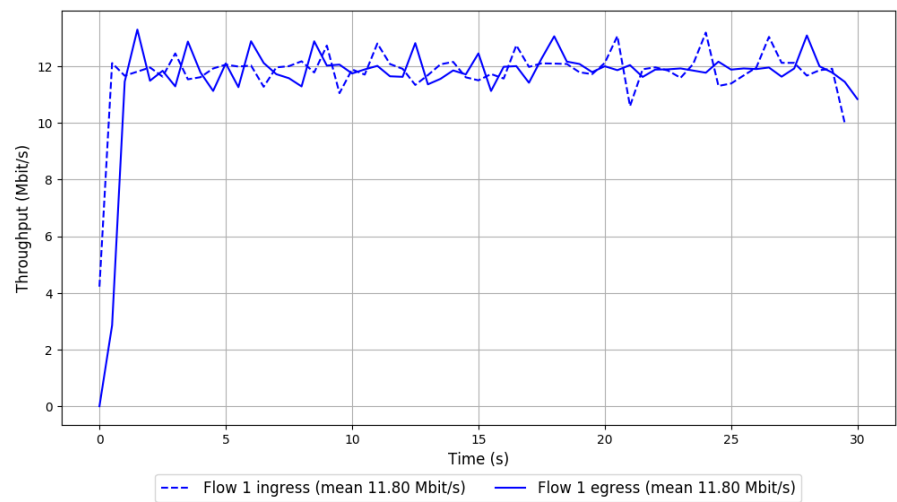


Run 1: Statistics of Sprout

Start at: 2019-02-11 12:20:35
End at: 2019-02-11 12:21:05
Local clock offset: 0.056 ms
Remote clock offset: -6.841 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

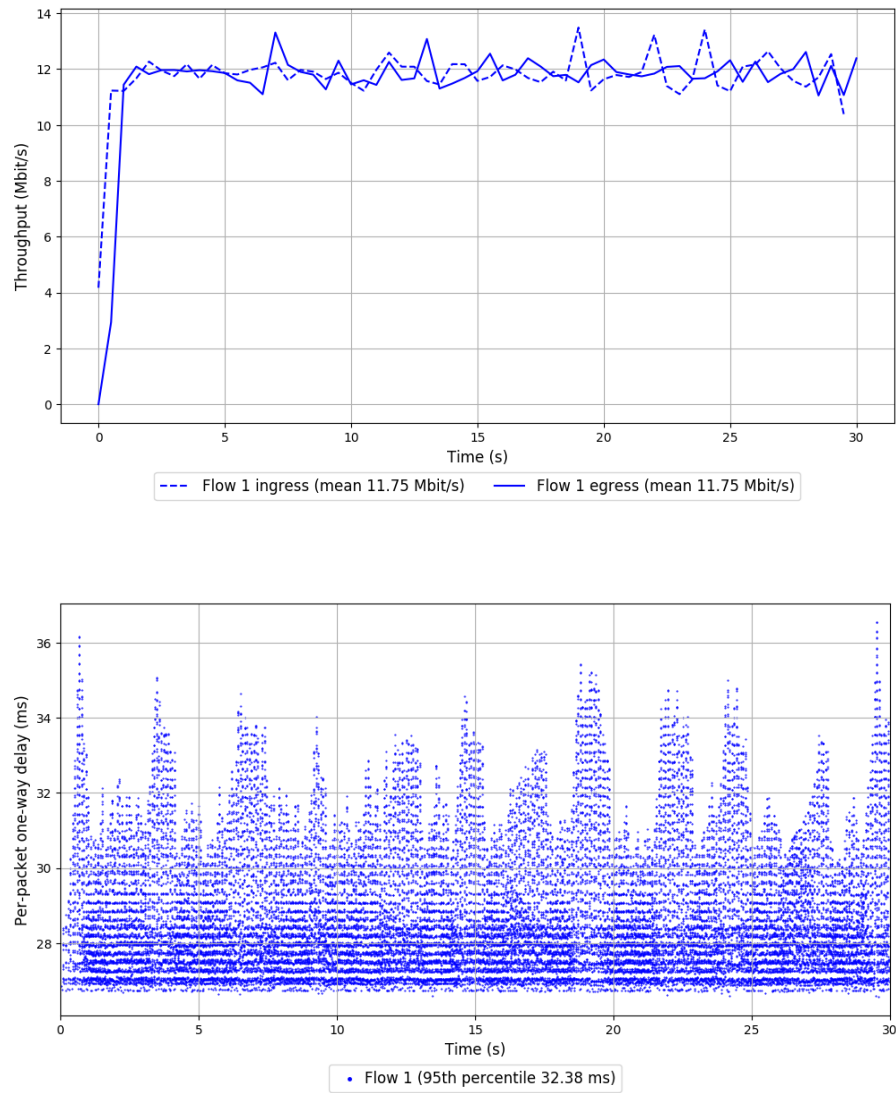


Run 2: Statistics of Sprout

Start at: 2019-02-11 12:44:49
End at: 2019-02-11 12:45:19
Local clock offset: 0.048 ms
Remote clock offset: -6.539 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 32.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 32.383 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

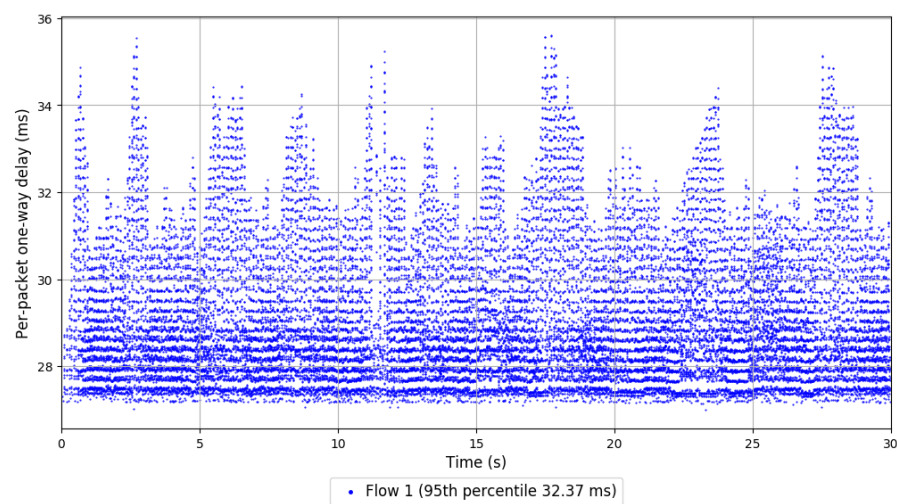
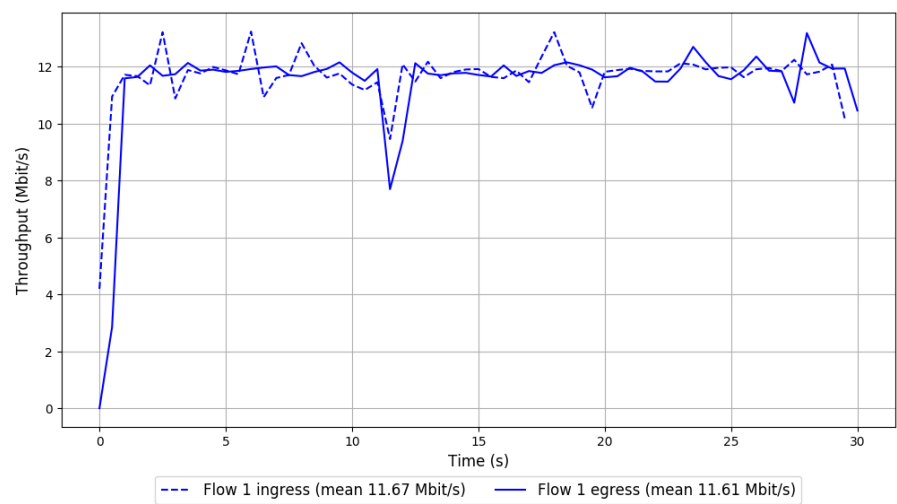


Run 3: Statistics of Sprout

Start at: 2019-02-11 13:09:06
End at: 2019-02-11 13:09:36
Local clock offset: 0.086 ms
Remote clock offset: -5.662 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 32.367 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 32.367 ms
Loss rate: 0.50%

Run 3: Report of Sprout — Data Link

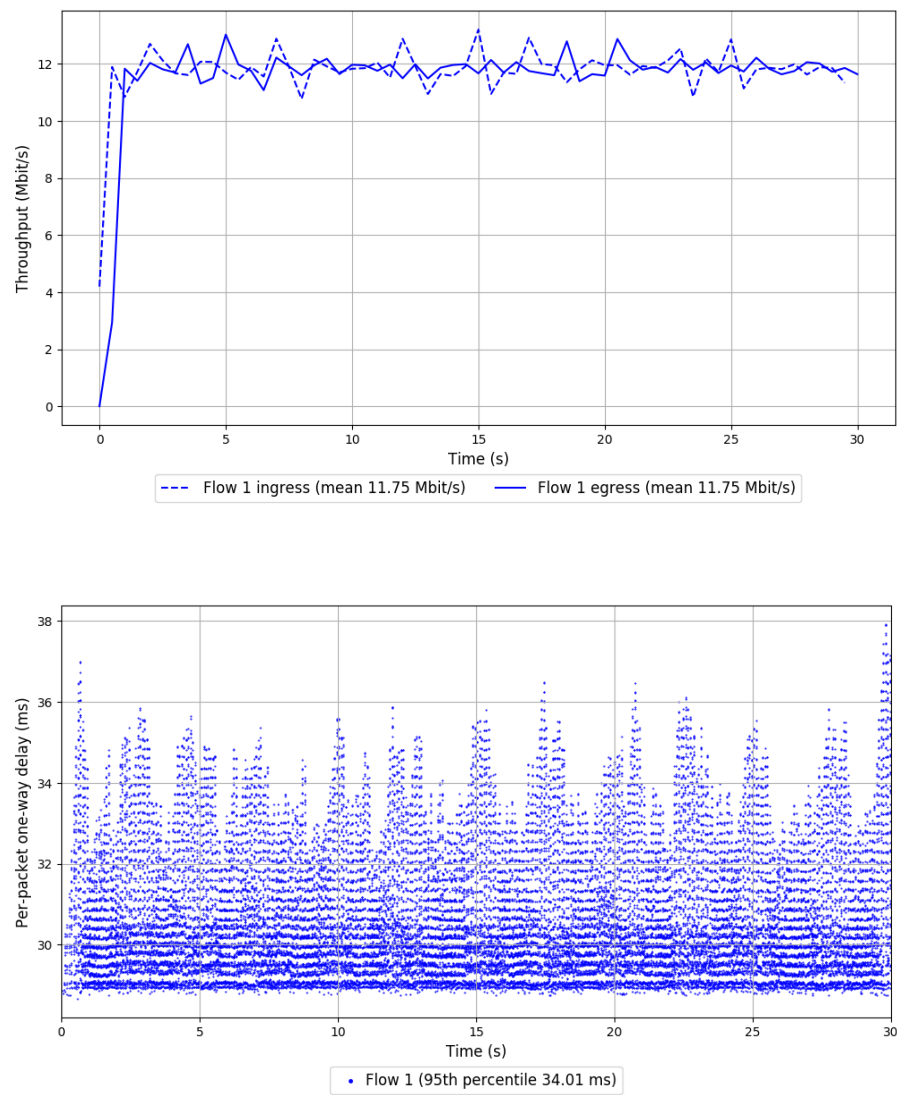


Run 4: Statistics of Sprout

Start at: 2019-02-11 13:33:18
End at: 2019-02-11 13:33:48
Local clock offset: 0.208 ms
Remote clock offset: -4.083 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 34.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 34.007 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

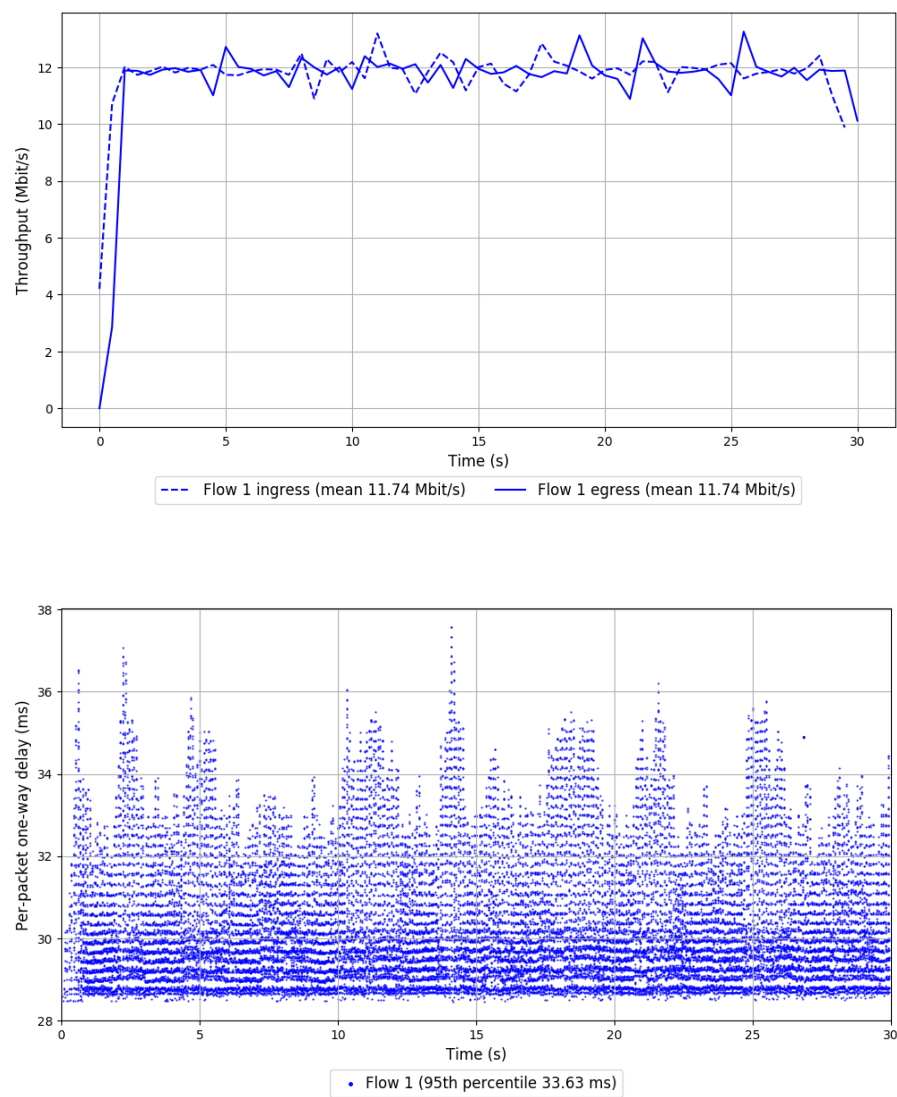


Run 5: Statistics of Sprout

Start at: 2019-02-11 13:57:32
End at: 2019-02-11 13:58:02
Local clock offset: 3.803 ms
Remote clock offset: -4.867 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 33.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 33.631 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

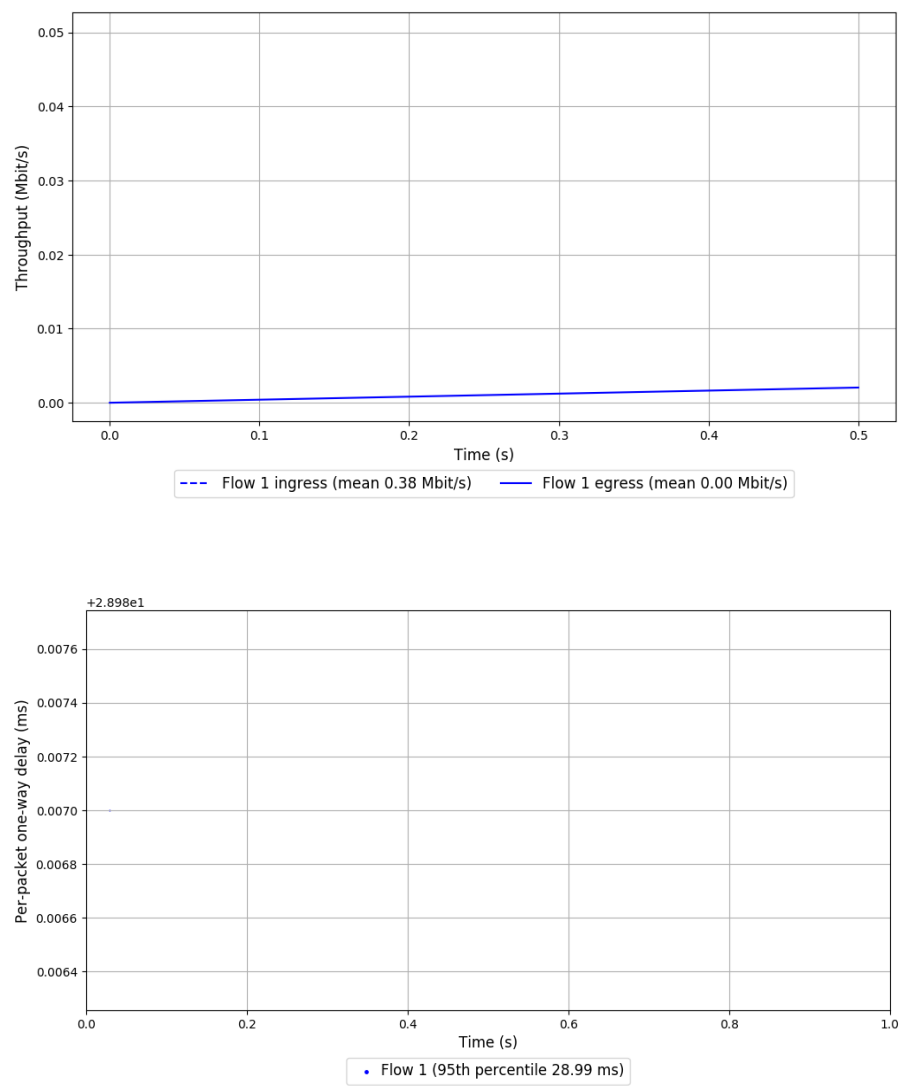
Start at: 2019-02-11 12:01:00

End at: 2019-02-11 12:01:30

Local clock offset: -0.086 ms

Remote clock offset: -5.204 ms

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

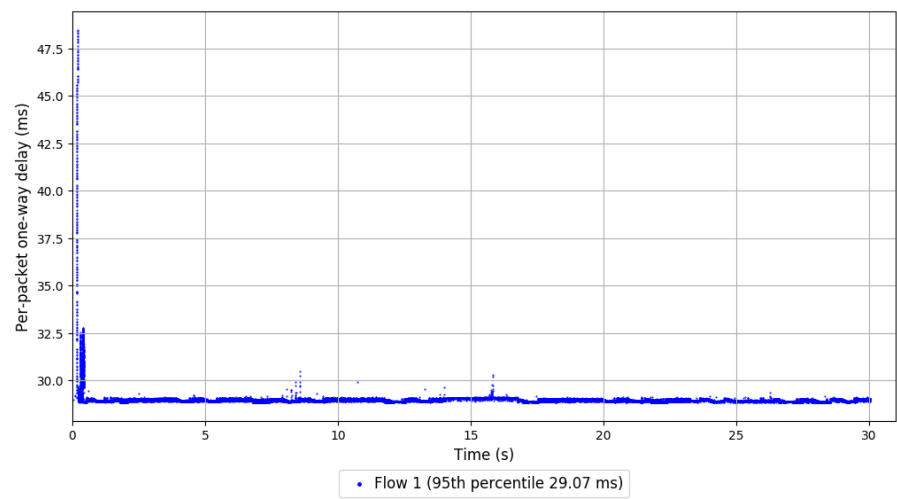
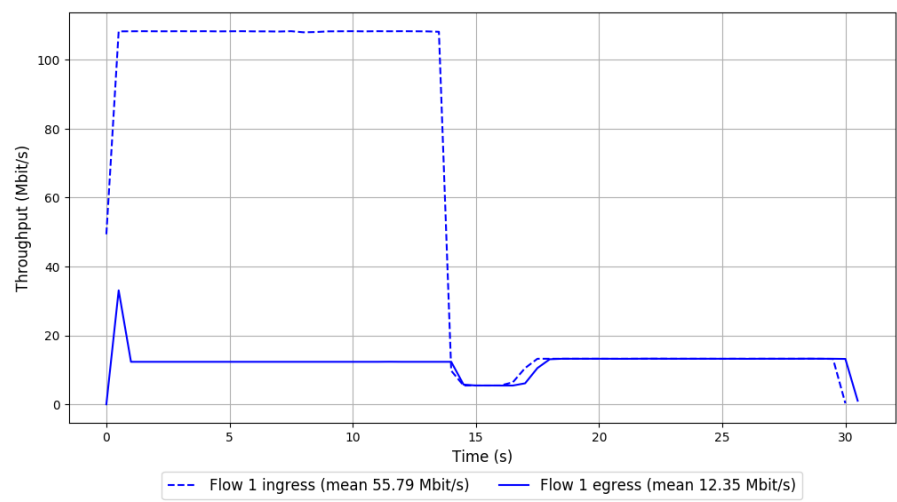


Run 2: Statistics of TaoVA-100x

Start at: 2019-02-11 12:25:11
End at: 2019-02-11 12:25:41
Local clock offset: 0.074 ms
Remote clock offset: -4.737 ms

Below is generated by plot.py at 2019-02-11 14:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 29.073 ms
Loss rate: 77.87%
-- Flow 1:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 29.073 ms
Loss rate: 77.87%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-11 12:49:26

End at: 2019-02-11 12:49:56

Local clock offset: 0.045 ms

Remote clock offset: -4.527 ms

Below is generated by plot.py at 2019-02-11 14:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 28.785 ms

Loss rate: 77.42%

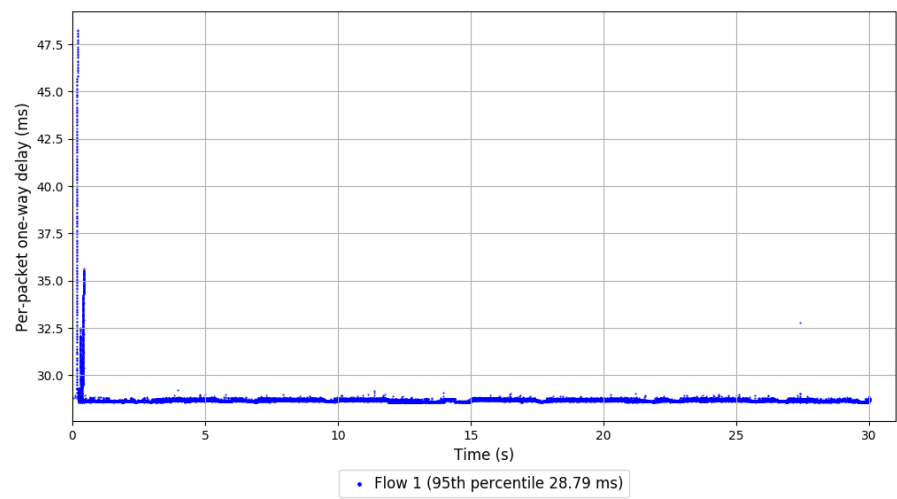
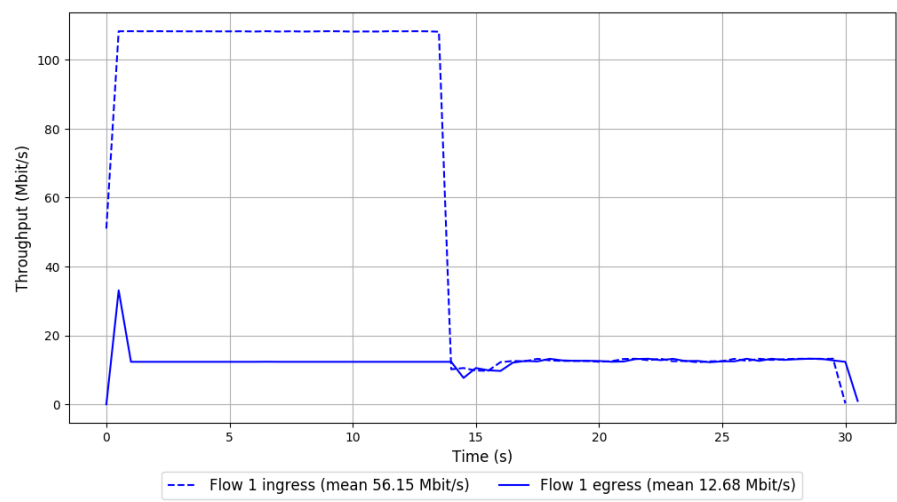
-- Flow 1:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 28.785 ms

Loss rate: 77.42%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-11 13:13:42

End at: 2019-02-11 13:14:12

Local clock offset: 0.142 ms

Remote clock offset: -3.912 ms

Below is generated by plot.py at 2019-02-11 14:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 29.004 ms

Loss rate: 77.53%

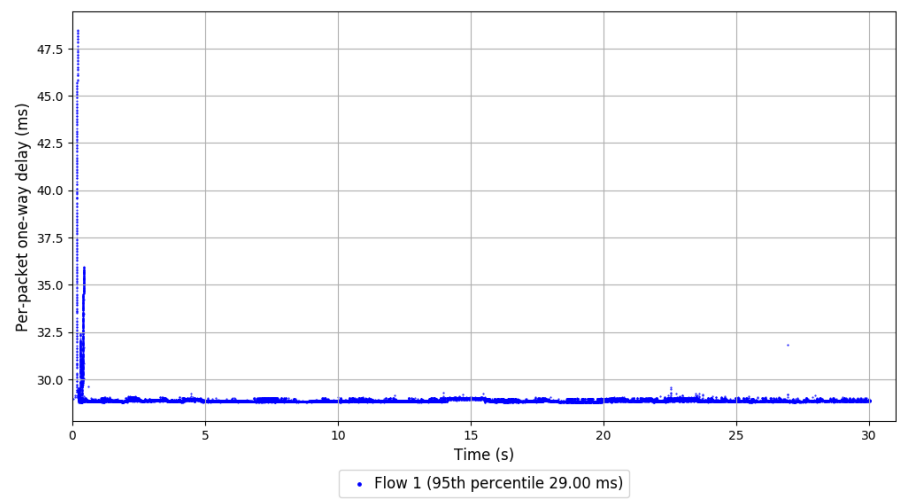
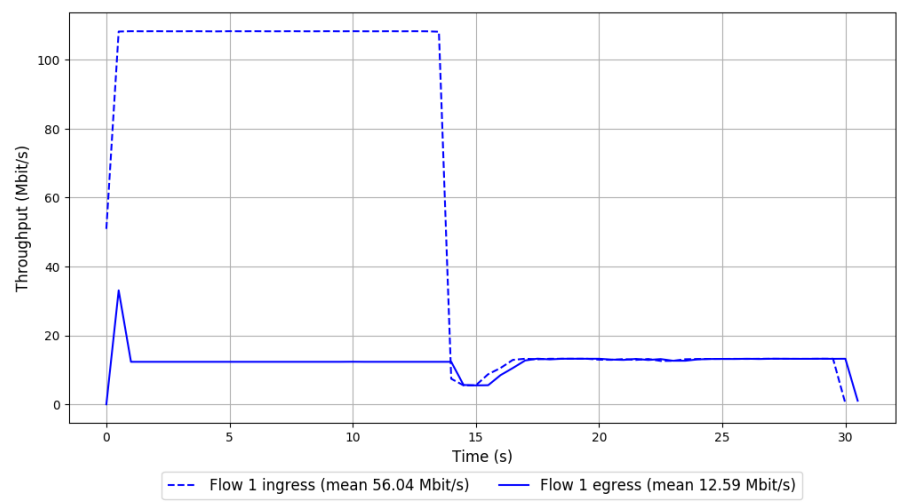
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 29.004 ms

Loss rate: 77.53%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-11 13:37:54

End at: 2019-02-11 13:38:24

Local clock offset: 1.289 ms

Remote clock offset: -6.346 ms

Below is generated by plot.py at 2019-02-11 14:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 26.960 ms

Loss rate: 72.42%

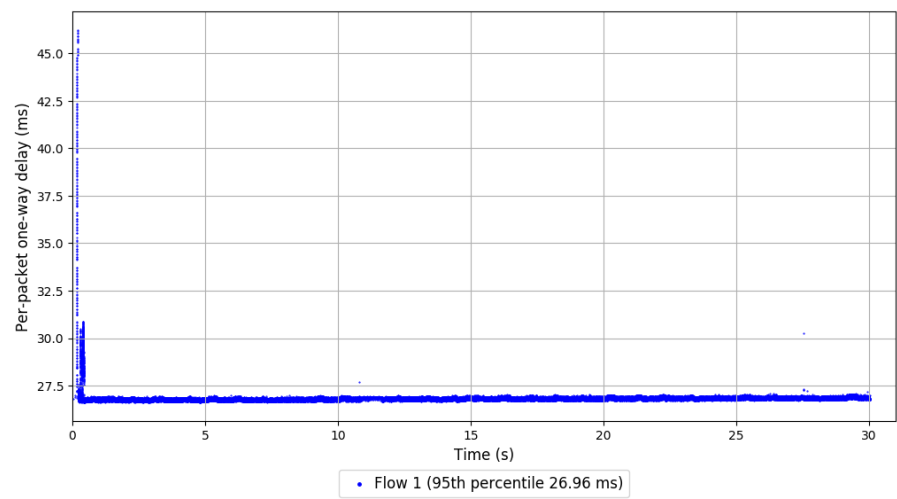
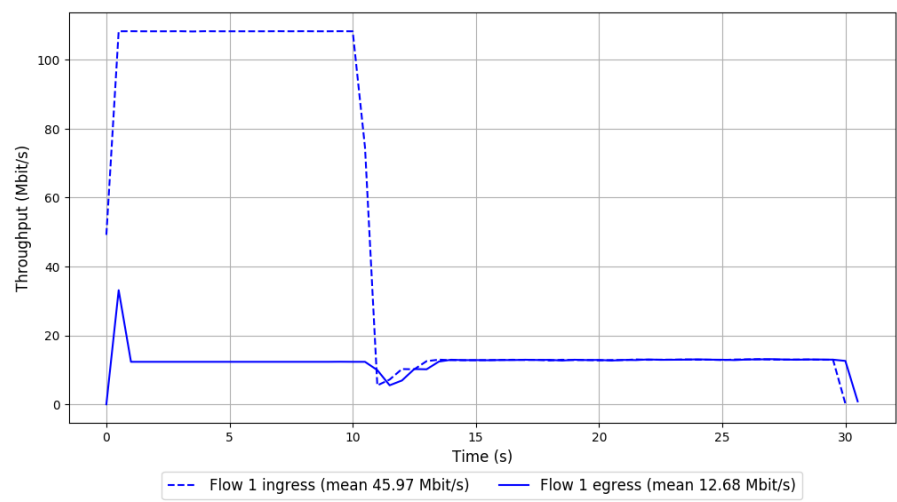
-- Flow 1:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 26.960 ms

Loss rate: 72.42%

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

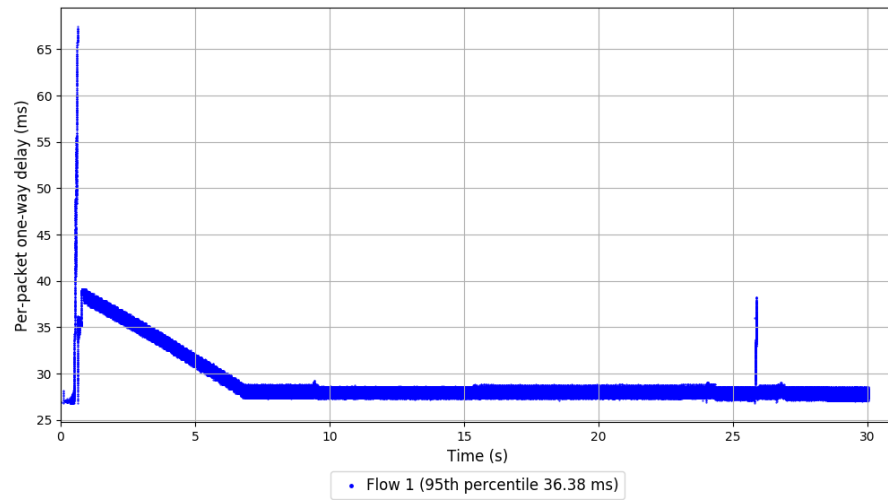
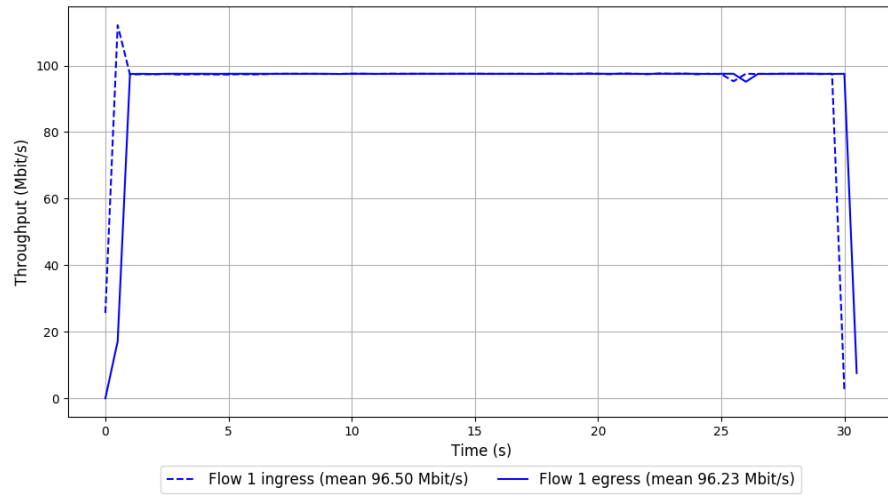


Run 1: Statistics of TCP Vegas

Start at: 2019-02-11 12:13:39
End at: 2019-02-11 12:14:09
Local clock offset: 0.027 ms
Remote clock offset: -7.032 ms

Below is generated by plot.py at 2019-02-11 14:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 36.378 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 36.378 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link

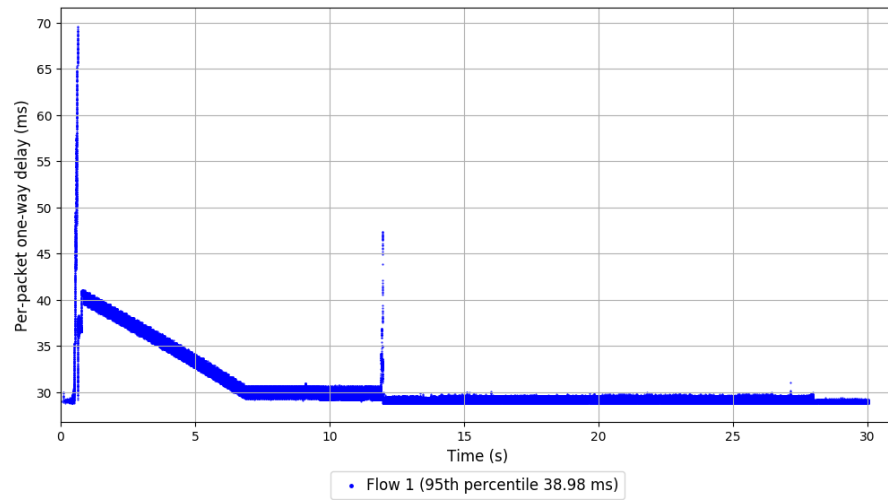
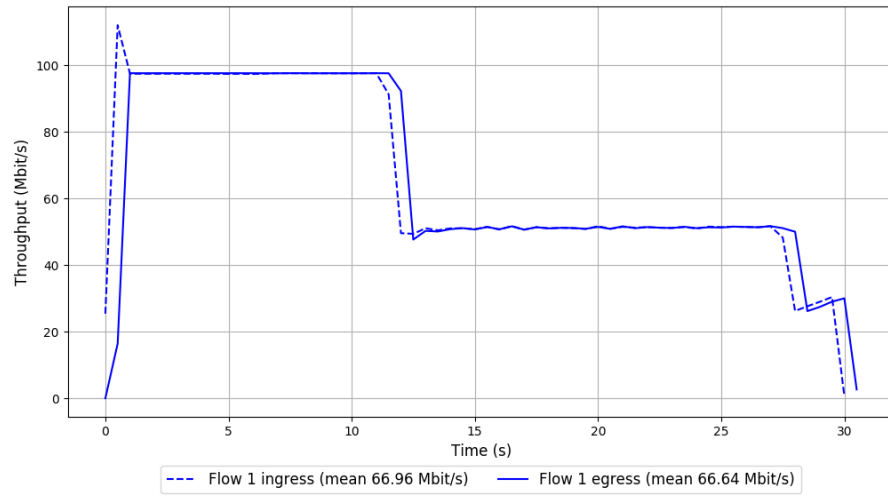


Run 2: Statistics of TCP Vegas

Start at: 2019-02-11 12:37:54
End at: 2019-02-11 12:38:24
Local clock offset: 0.057 ms
Remote clock offset: -4.512 ms

Below is generated by plot.py at 2019-02-11 14:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 38.979 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 38.979 ms
Loss rate: 0.48%

Run 2: Report of TCP Vegas — Data Link

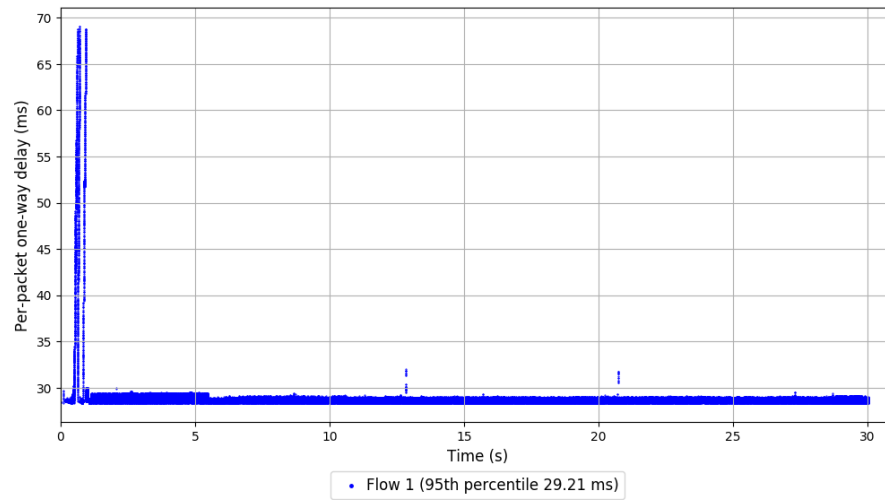
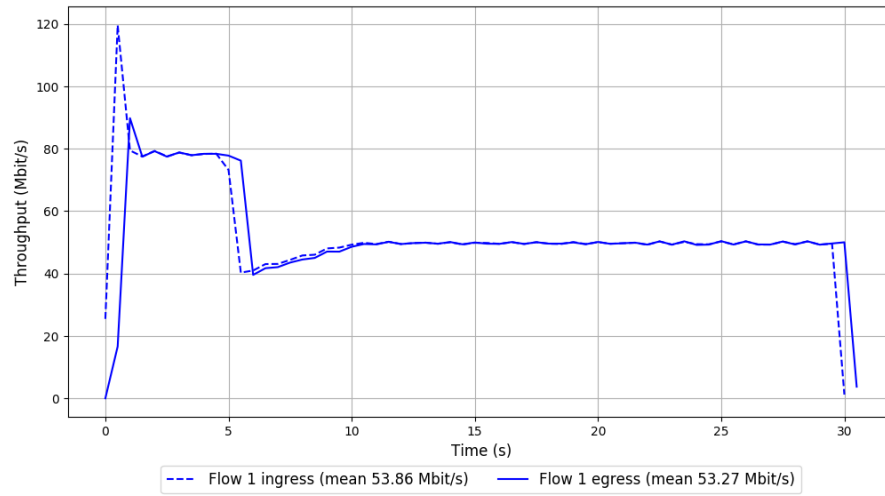


Run 3: Statistics of TCP Vegas

Start at: 2019-02-11 13:02:12
End at: 2019-02-11 13:02:42
Local clock offset: 0.049 ms
Remote clock offset: -4.526 ms

Below is generated by plot.py at 2019-02-11 14:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 29.211 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 29.211 ms
Loss rate: 1.10%

Run 3: Report of TCP Vegas — Data Link

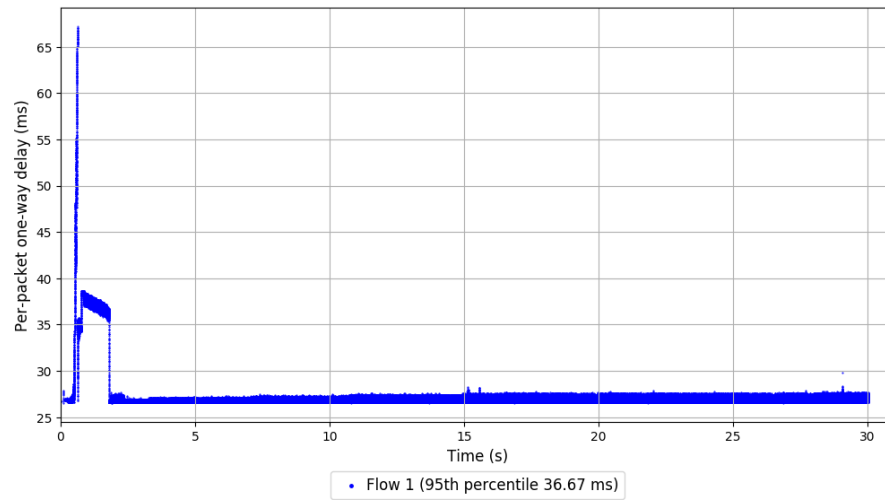
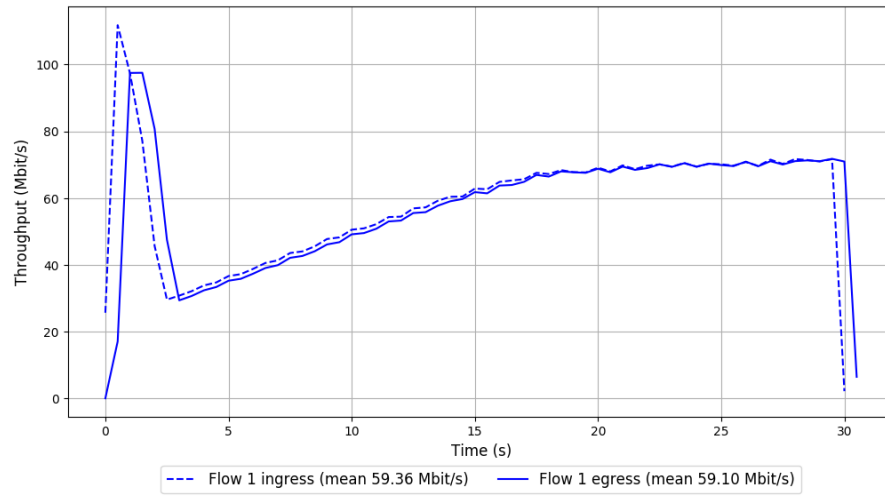


Run 4: Statistics of TCP Vegas

Start at: 2019-02-11 13:26:23
End at: 2019-02-11 13:26:53
Local clock offset: 0.162 ms
Remote clock offset: -6.237 ms

Below is generated by plot.py at 2019-02-11 14:11:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 36.666 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 36.666 ms
Loss rate: 0.45%

Run 4: Report of TCP Vegas — Data Link

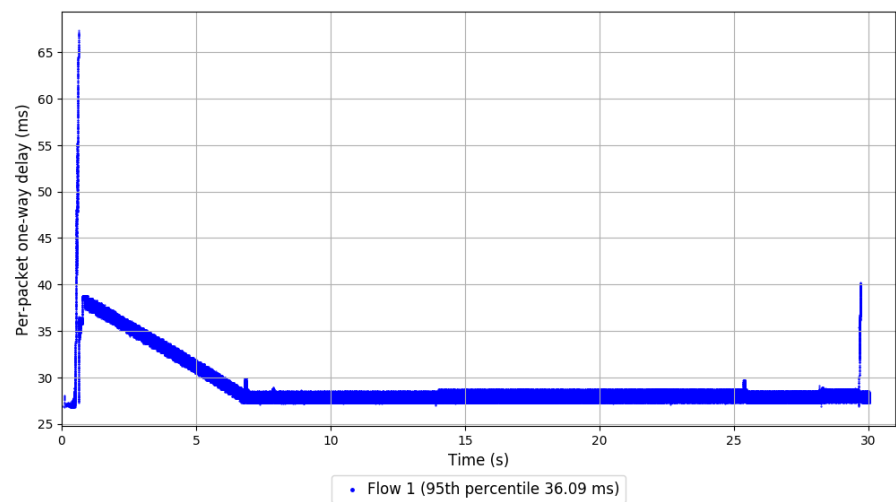
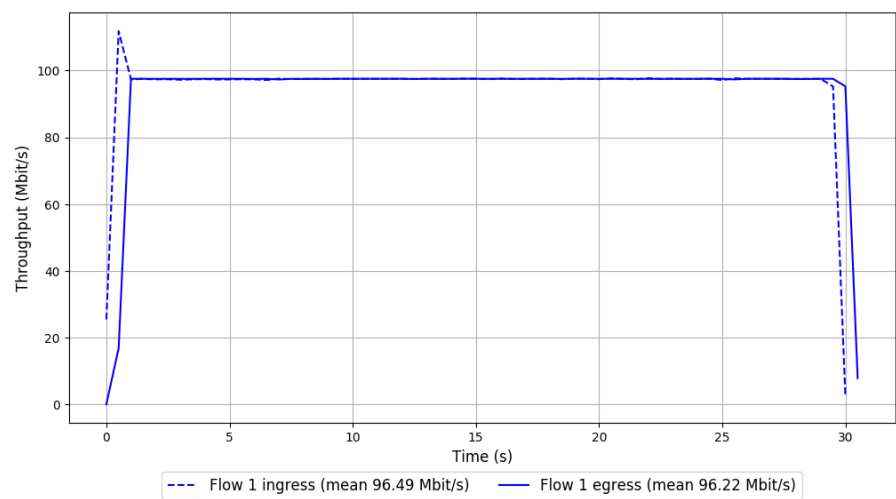


Run 5: Statistics of TCP Vegas

Start at: 2019-02-11 13:50:36
End at: 2019-02-11 13:51:06
Local clock offset: 3.273 ms
Remote clock offset: -6.384 ms

Below is generated by plot.py at 2019-02-11 14:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 36.087 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 36.087 ms
Loss rate: 0.27%

Run 5: Report of TCP Vegas — Data Link

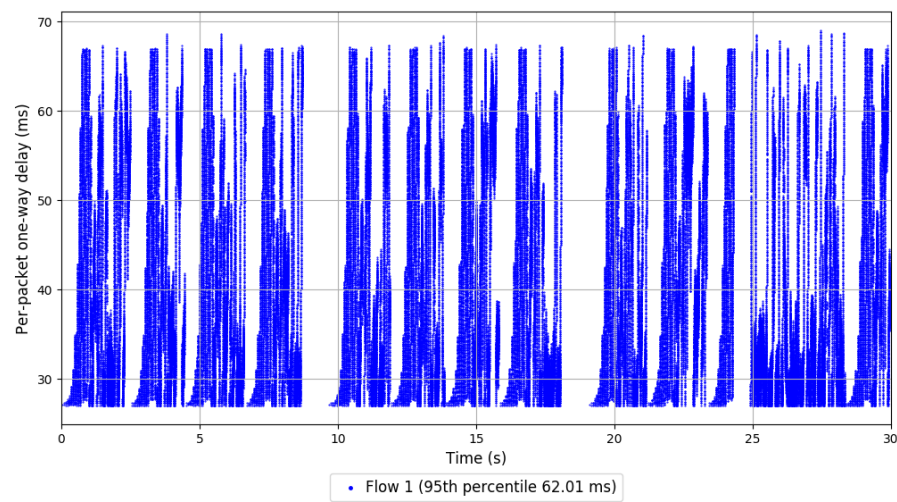
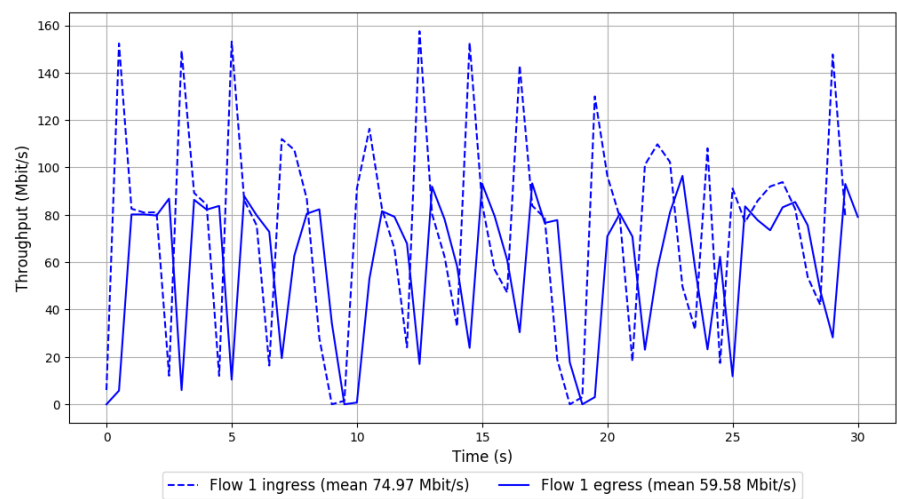


Run 1: Statistics of Verus

Start at: 2019-02-11 12:18:15
End at: 2019-02-11 12:18:45
Local clock offset: 0.057 ms
Remote clock offset: -6.765 ms

Below is generated by plot.py at 2019-02-11 14:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 62.010 ms
Loss rate: 20.48%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 62.010 ms
Loss rate: 20.48%

Run 1: Report of Verus — Data Link

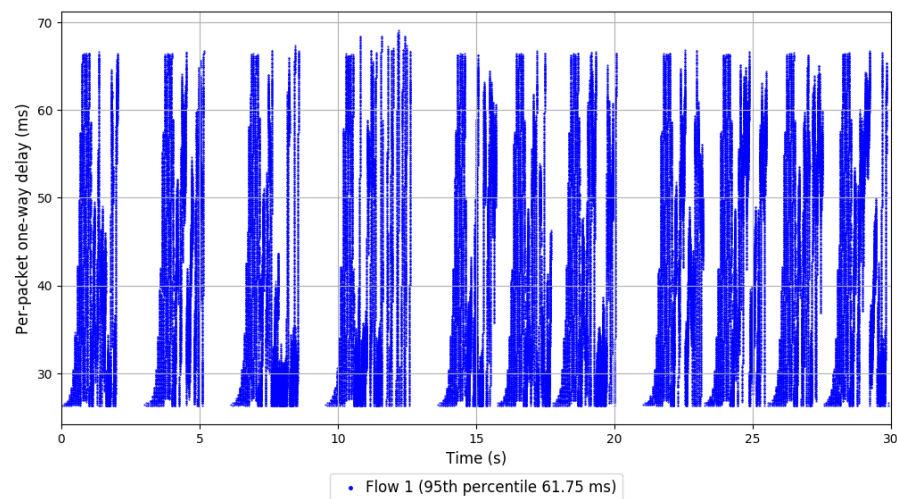
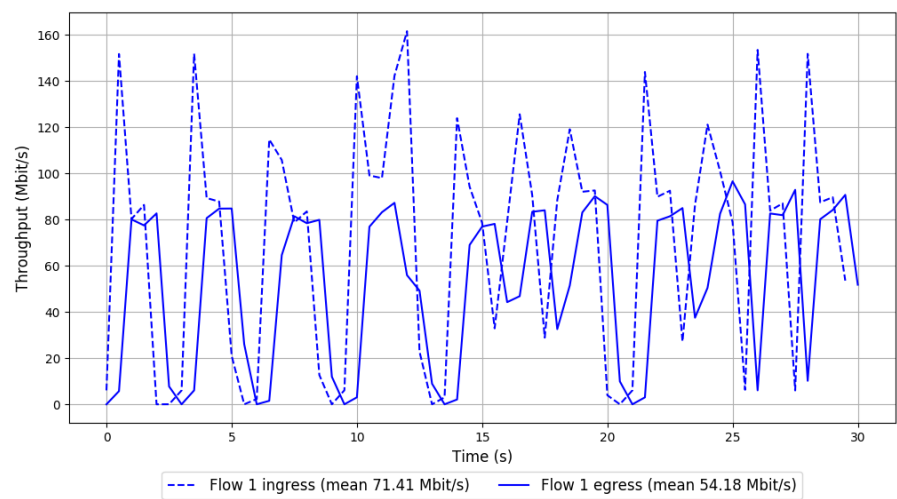


Run 2: Statistics of Verus

Start at: 2019-02-11 12:42:29
End at: 2019-02-11 12:42:59
Local clock offset: 0.058 ms
Remote clock offset: -6.991 ms

Below is generated by plot.py at 2019-02-11 14:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 24.12%
-- Flow 1:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 24.12%

Run 2: Report of Verus — Data Link

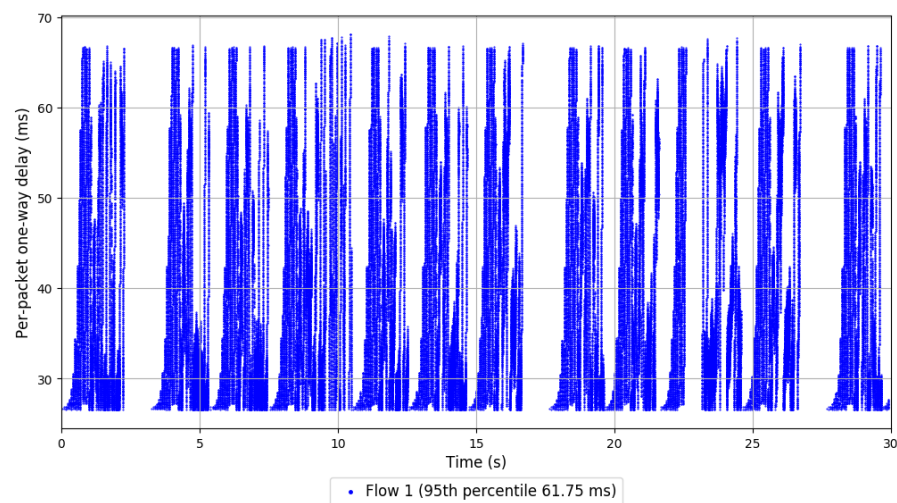
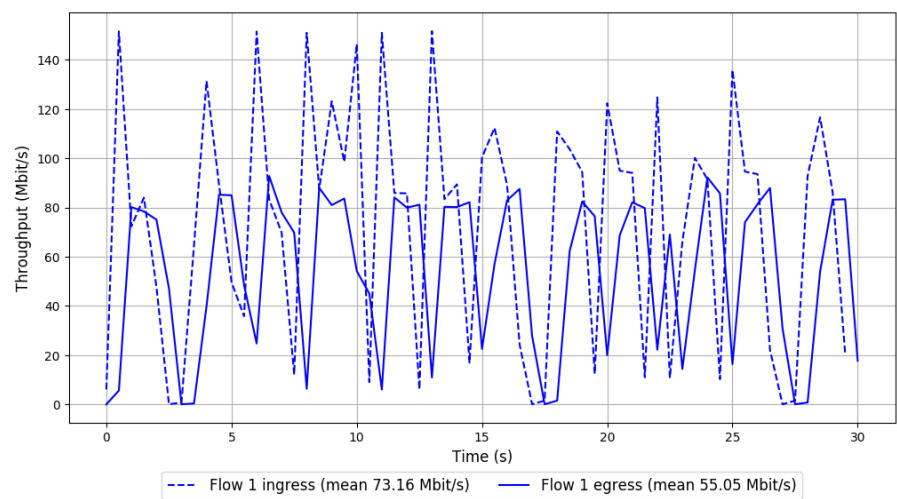


Run 3: Statistics of Verus

Start at: 2019-02-11 13:06:46
End at: 2019-02-11 13:07:16
Local clock offset: 0.067 ms
Remote clock offset: -6.275 ms

Below is generated by plot.py at 2019-02-11 14:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 24.75%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 24.75%

Run 3: Report of Verus — Data Link

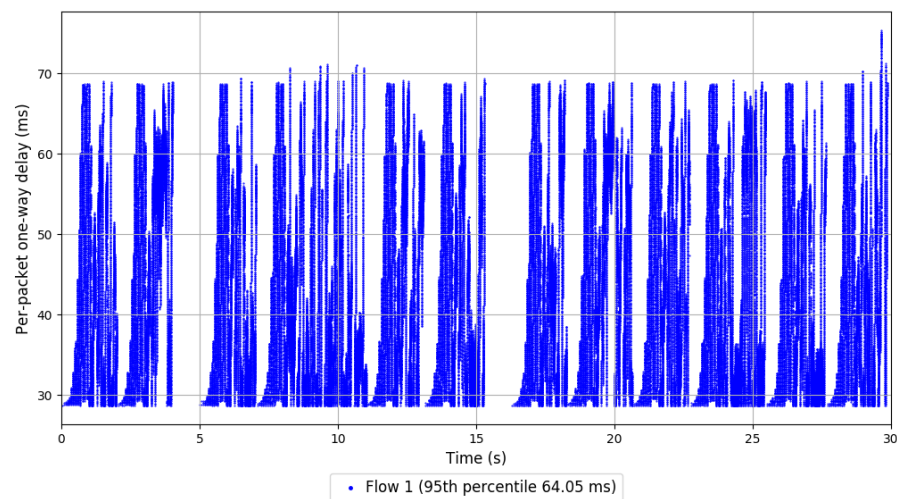
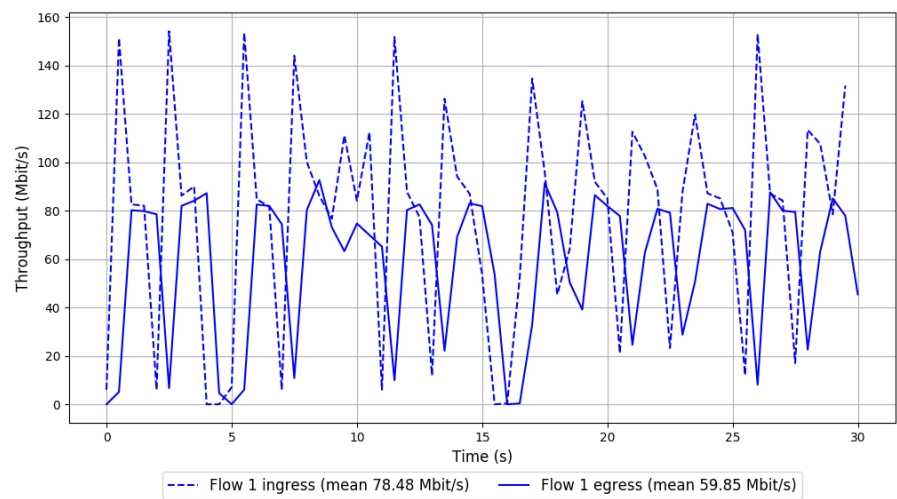


Run 4: Statistics of Verus

Start at: 2019-02-11 13:30:58
End at: 2019-02-11 13:31:28
Local clock offset: 0.189 ms
Remote clock offset: -4.224 ms

Below is generated by plot.py at 2019-02-11 14:11:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 64.052 ms
Loss rate: 23.68%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 64.052 ms
Loss rate: 23.68%

Run 4: Report of Verus — Data Link

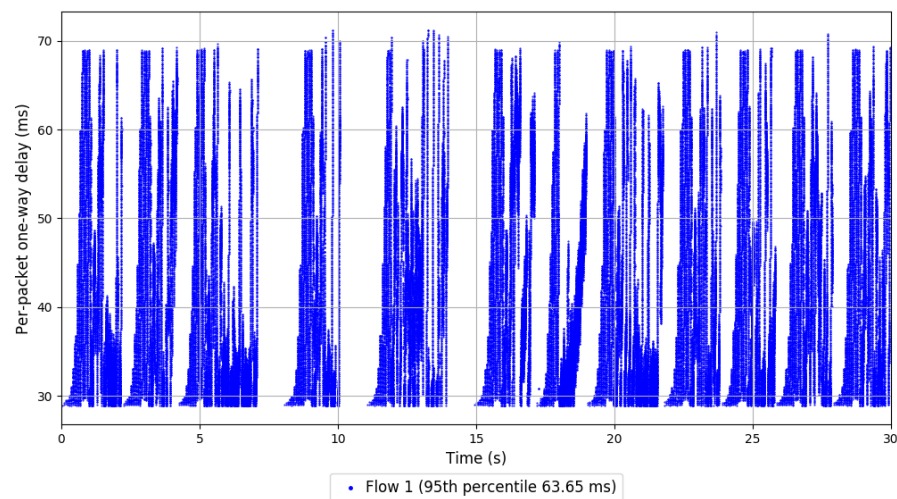
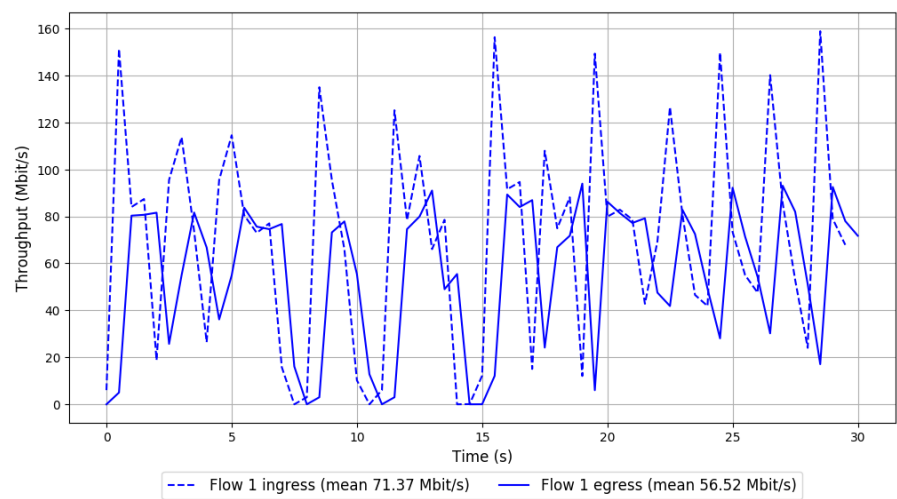


Run 5: Statistics of Verus

Start at: 2019-02-11 13:55:12
End at: 2019-02-11 13:55:42
Local clock offset: 3.652 ms
Remote clock offset: -4.438 ms

Below is generated by plot.py at 2019-02-11 14:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 20.71%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 20.71%

Run 5: Report of Verus — Data Link

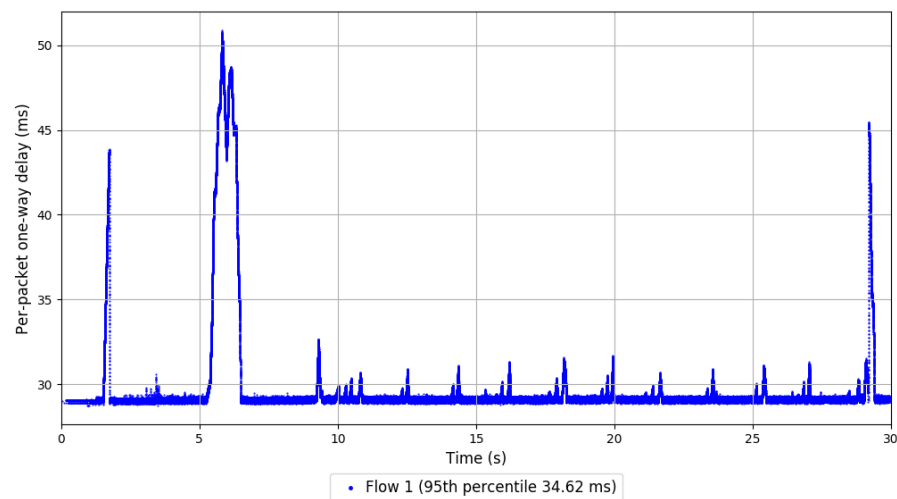
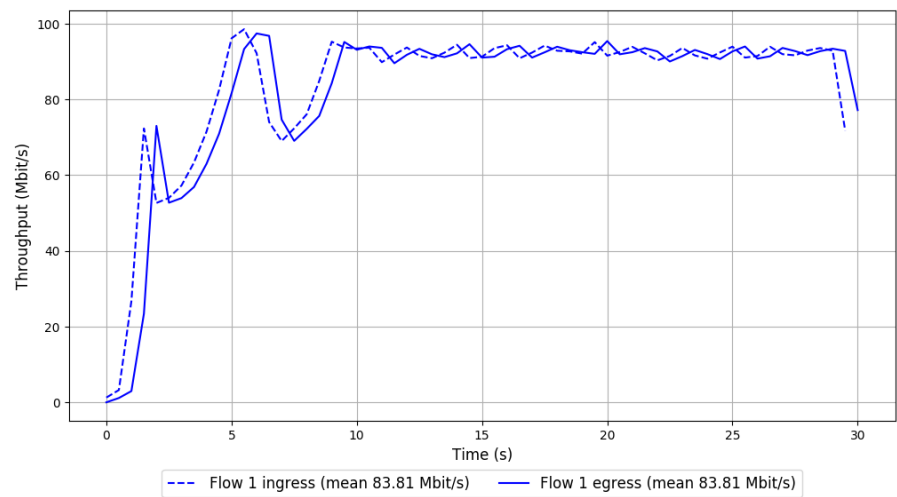


Run 1: Statistics of PCC-Vivace

Start at: 2019-02-11 12:05:36
End at: 2019-02-11 12:06:06
Local clock offset: -0.077 ms
Remote clock offset: -5.168 ms

Below is generated by plot.py at 2019-02-11 14:12:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 34.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 34.618 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

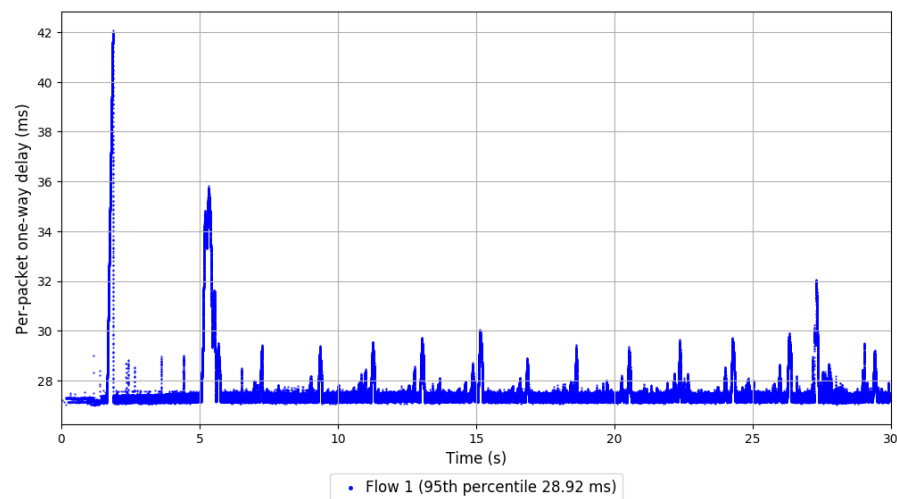
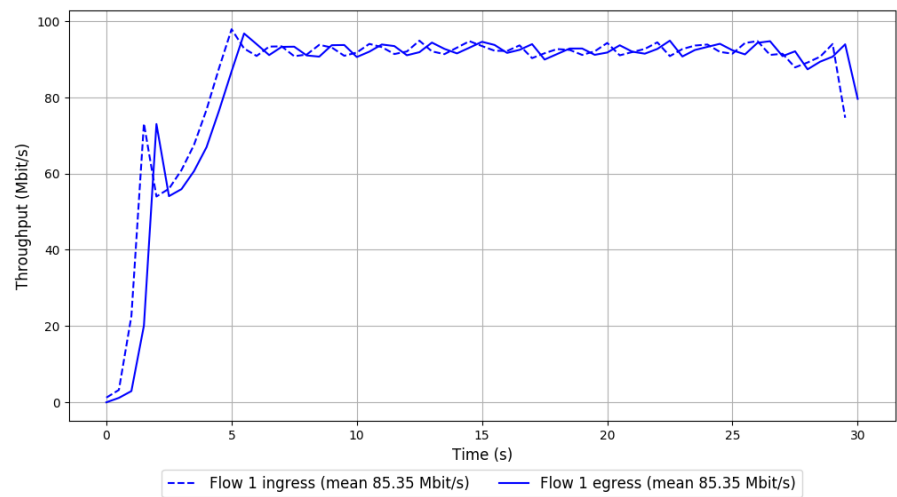


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-11 12:29:48
End at: 2019-02-11 12:30:18
Local clock offset: 0.063 ms
Remote clock offset: -6.466 ms

Below is generated by plot.py at 2019-02-11 14:12:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 28.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 28.919 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-11 12:54:03

End at: 2019-02-11 12:54:33

Local clock offset: 0.061 ms

Remote clock offset: -6.203 ms

Below is generated by plot.py at 2019-02-11 14:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 30.850 ms

Loss rate: 0.09%

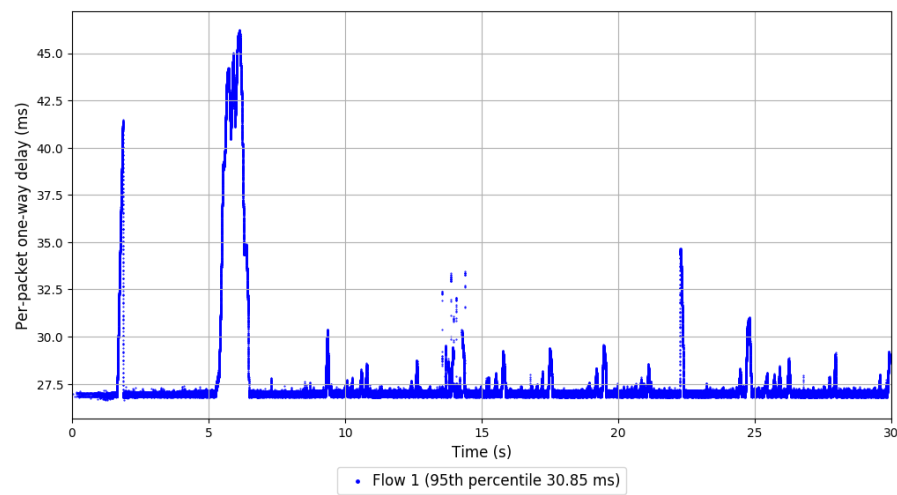
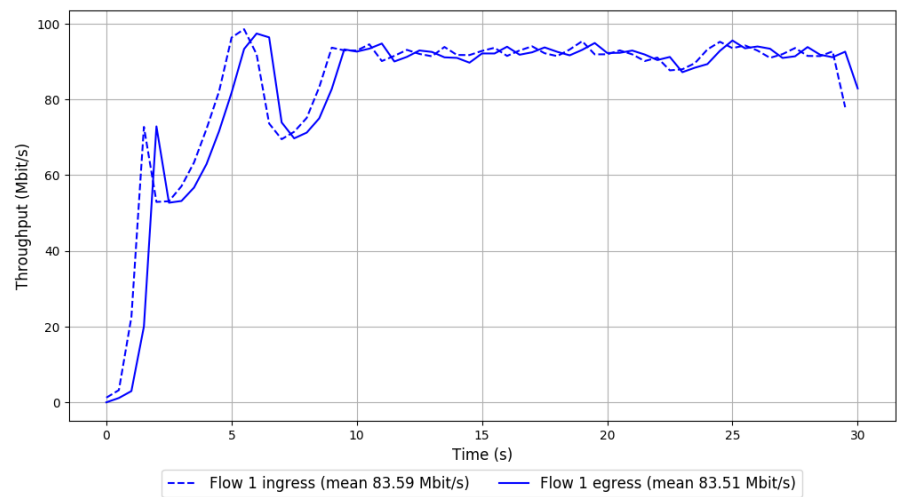
-- Flow 1:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 30.850 ms

Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link

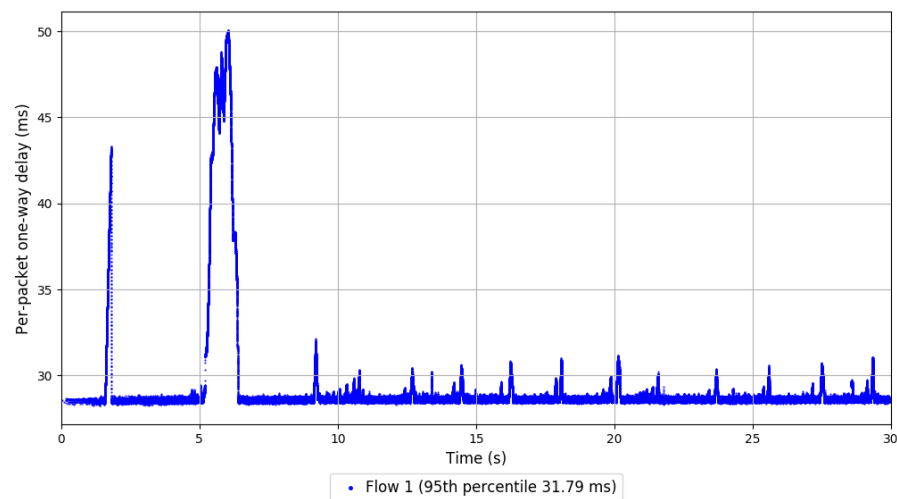
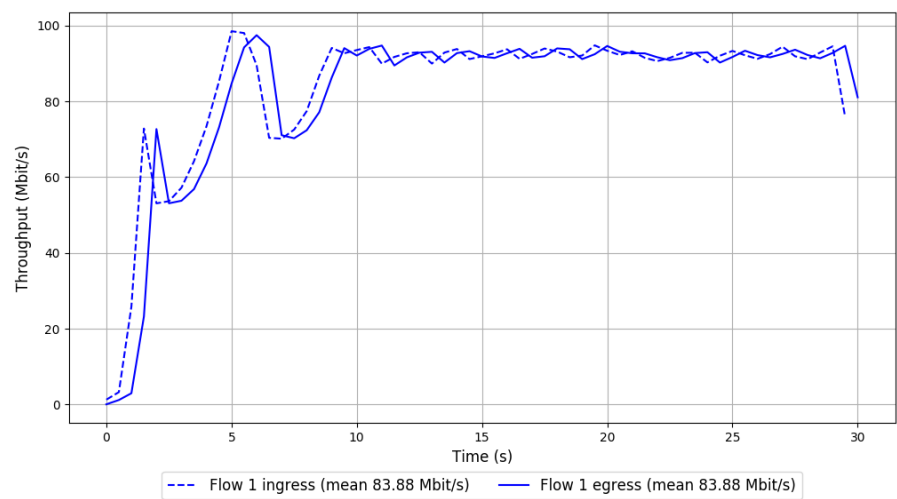


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-11 13:18:19
End at: 2019-02-11 13:18:49
Local clock offset: 0.142 ms
Remote clock offset: -4.442 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 31.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 31.791 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

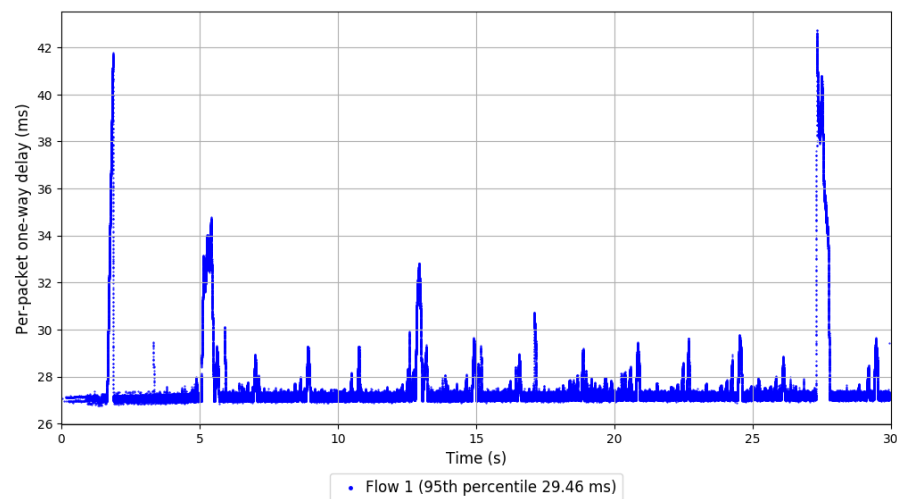
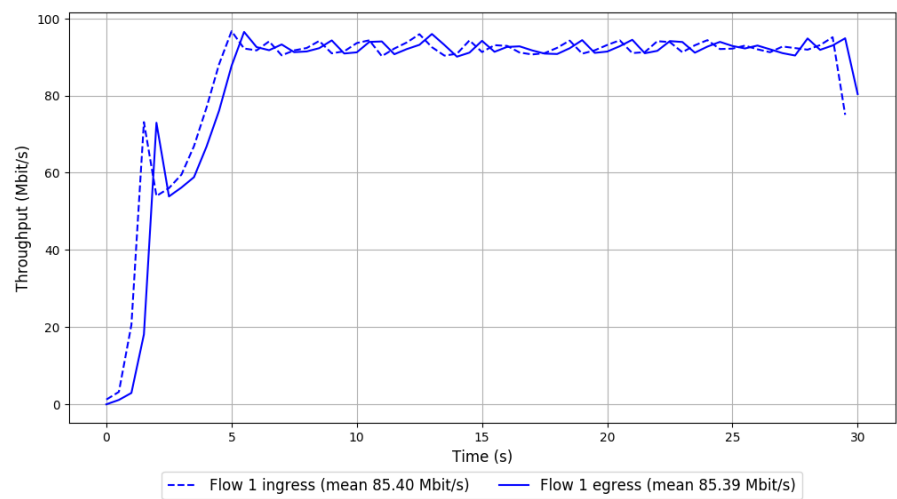


Run 5: Statistics of PCC-Vivace

Start at: 2019-02-11 13:42:31
End at: 2019-02-11 13:43:02
Local clock offset: 2.221 ms
Remote clock offset: -6.174 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 29.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 29.464 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

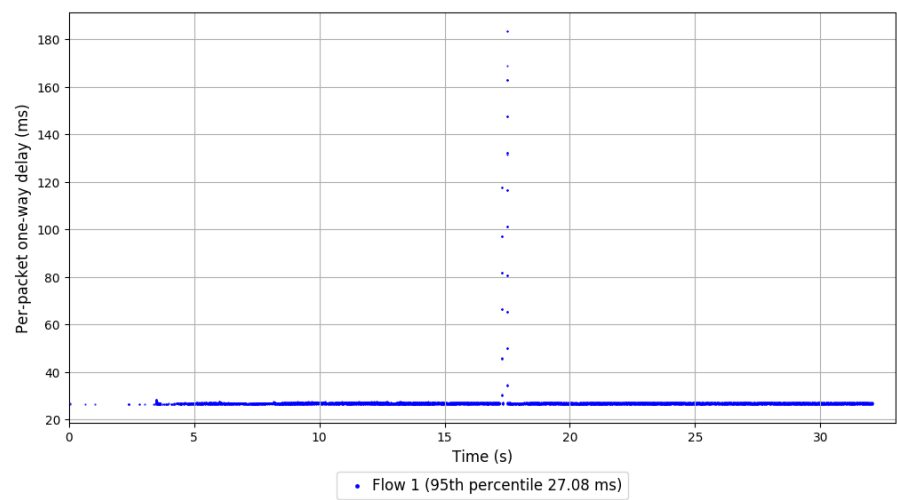
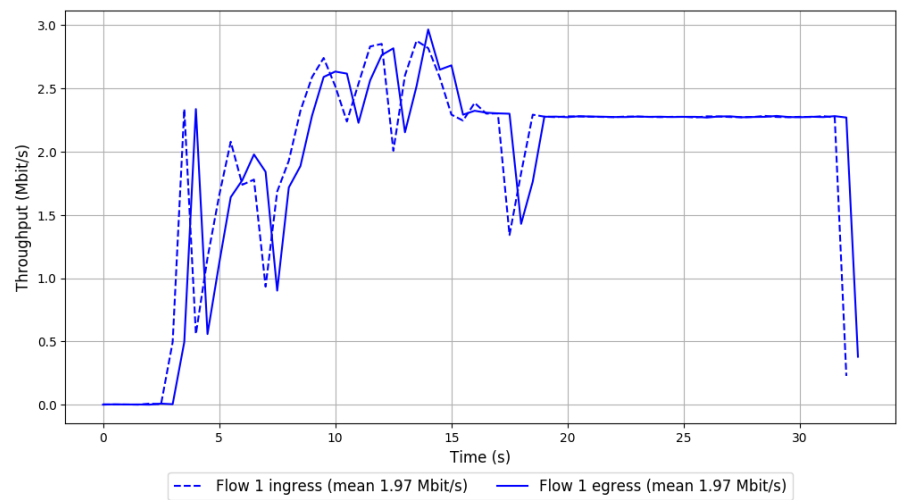


Run 1: Statistics of WebRTC media

Start at: 2019-02-11 12:07:57
End at: 2019-02-11 12:08:27
Local clock offset: -0.033 ms
Remote clock offset: -7.463 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 27.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 27.081 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

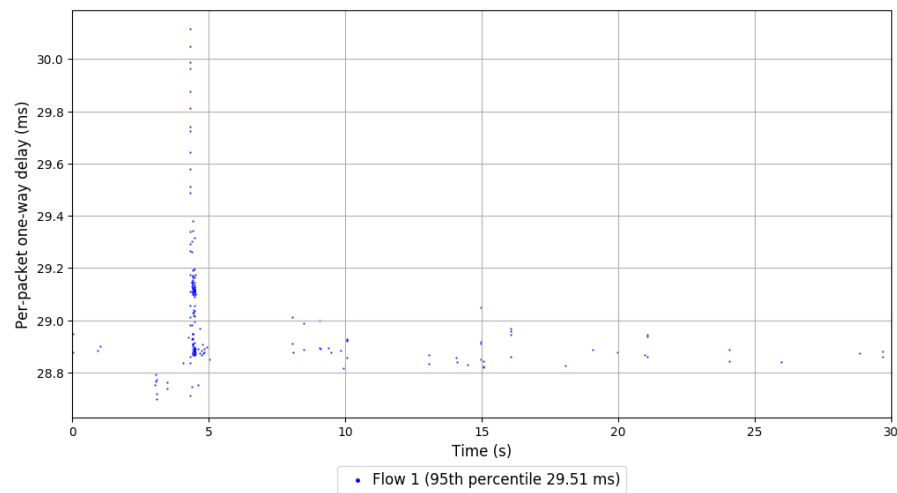
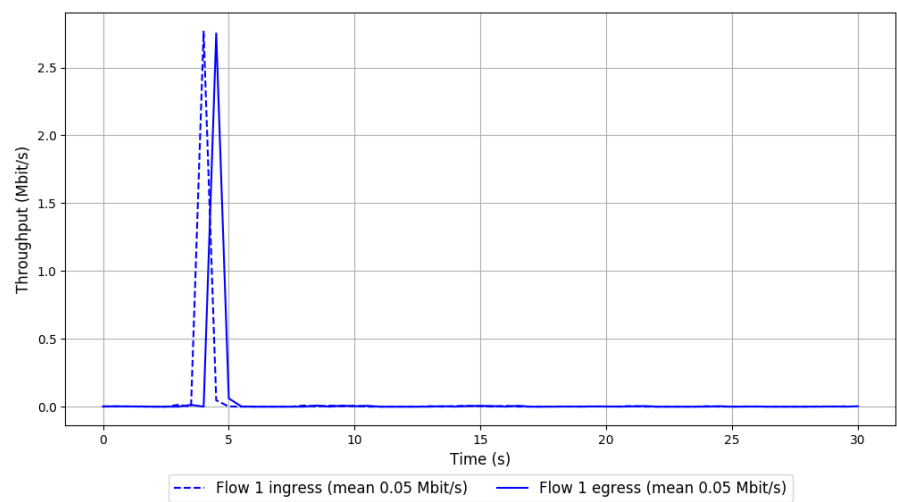


Run 2: Statistics of WebRTC media

Start at: 2019-02-11 12:32:10
End at: 2019-02-11 12:32:40
Local clock offset: 0.08 ms
Remote clock offset: -4.574 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.511 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

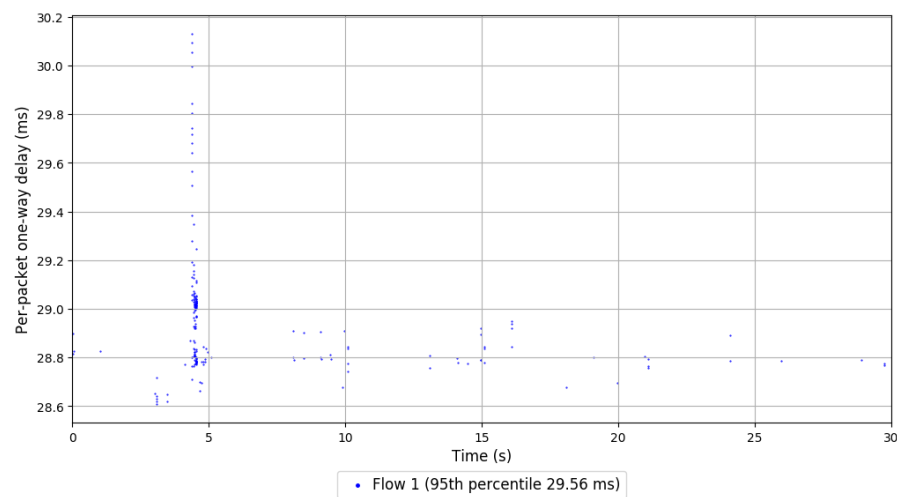
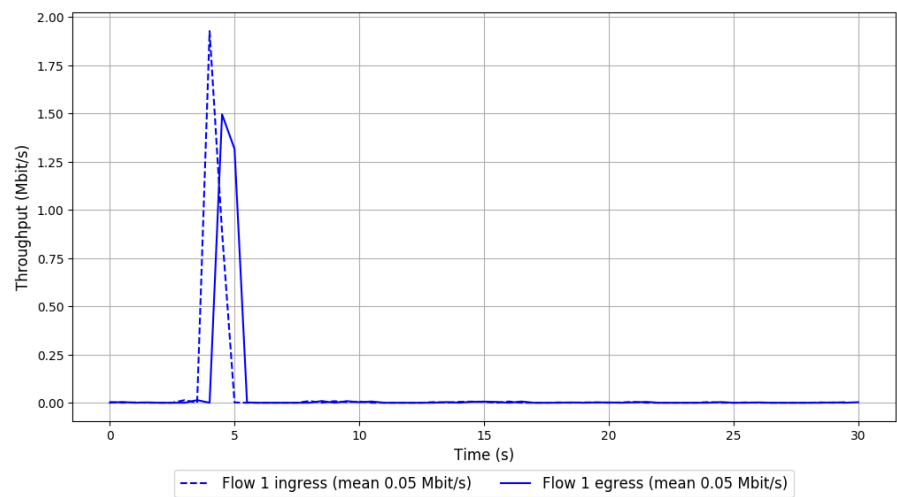


Run 3: Statistics of WebRTC media

Start at: 2019-02-11 12:56:24
End at: 2019-02-11 12:56:54
Local clock offset: 0.046 ms
Remote clock offset: -4.296 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.564 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

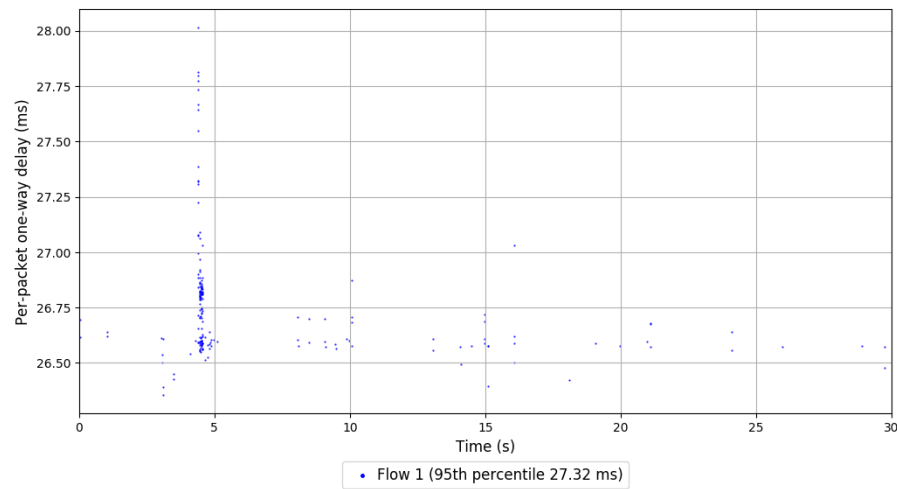
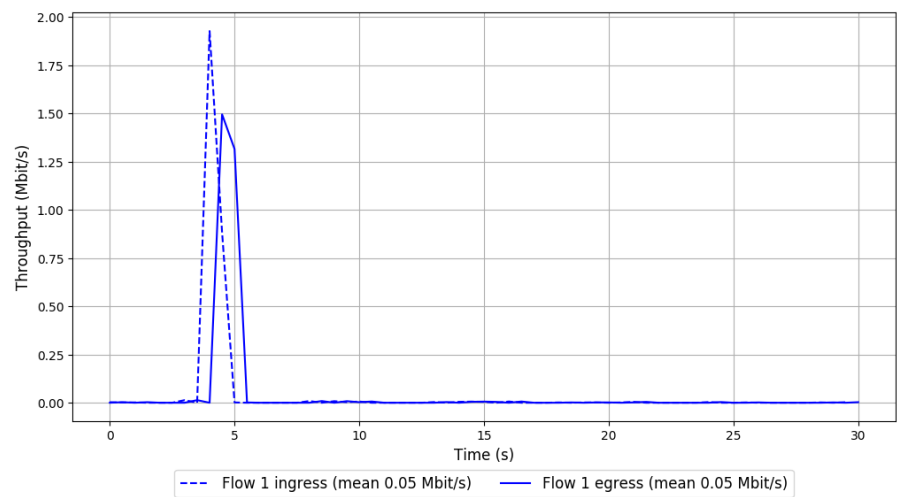


Run 4: Statistics of WebRTC media

Start at: 2019-02-11 13:20:40
End at: 2019-02-11 13:21:10
Local clock offset: 0.159 ms
Remote clock offset: -6.309 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 27.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 27.319 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-11 13:44:52
End at: 2019-02-11 13:45:22
Local clock offset: 2.631 ms
Remote clock offset: -4.608 ms

Below is generated by plot.py at 2019-02-11 14:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.183 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

