

Pantheon Report

Generated at 2019-04-24 08:30:12 (UTC).

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

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:

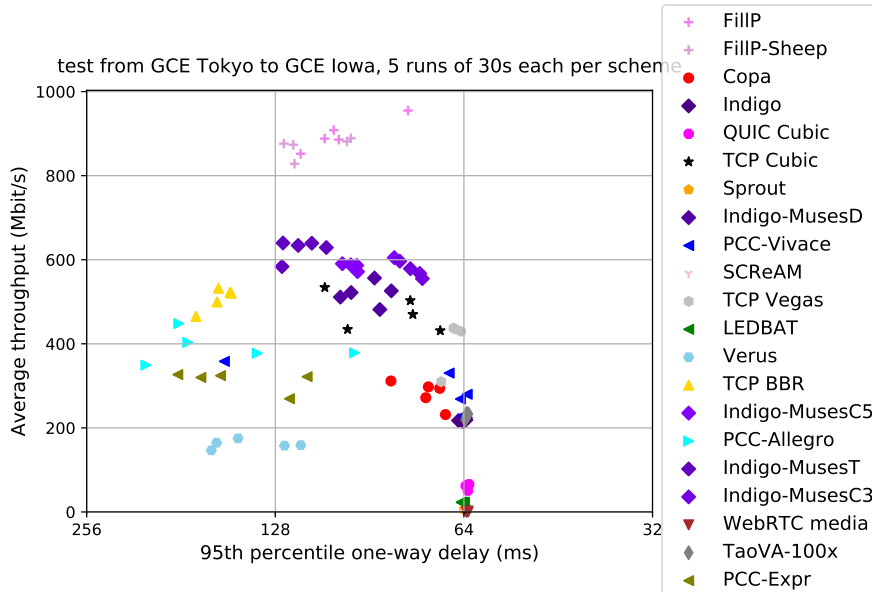
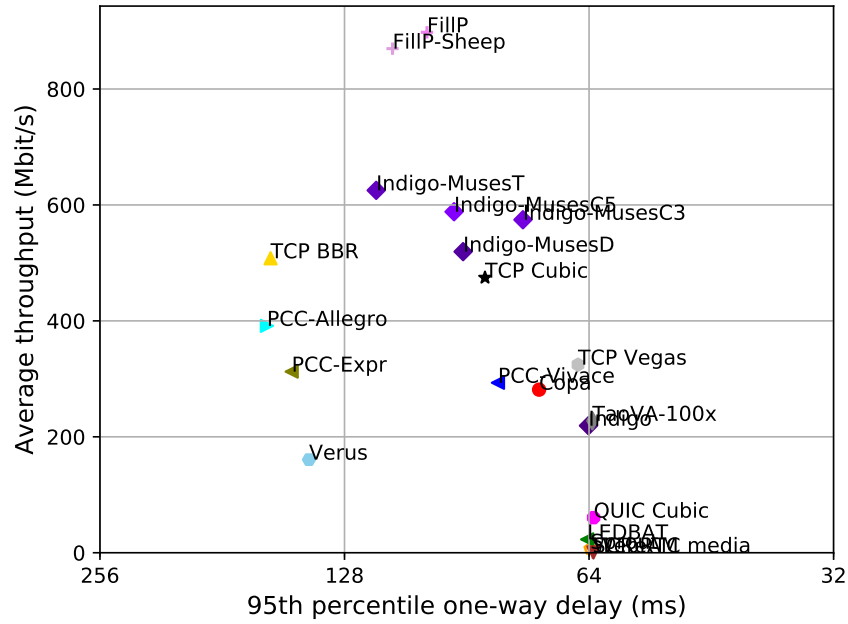
```
Linux 4.15.0-1028-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 Tokyo to GCE Iowa, 5 runs of 30s each per scheme
(mean of all runs by scheme)



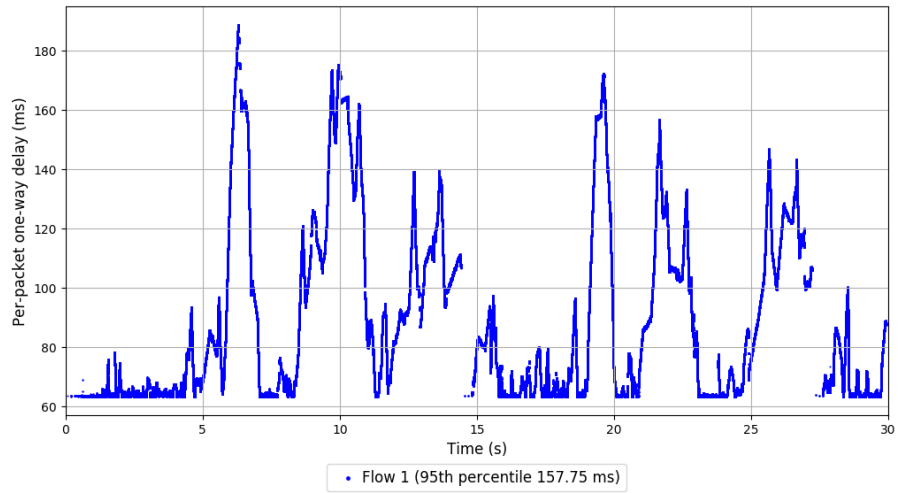
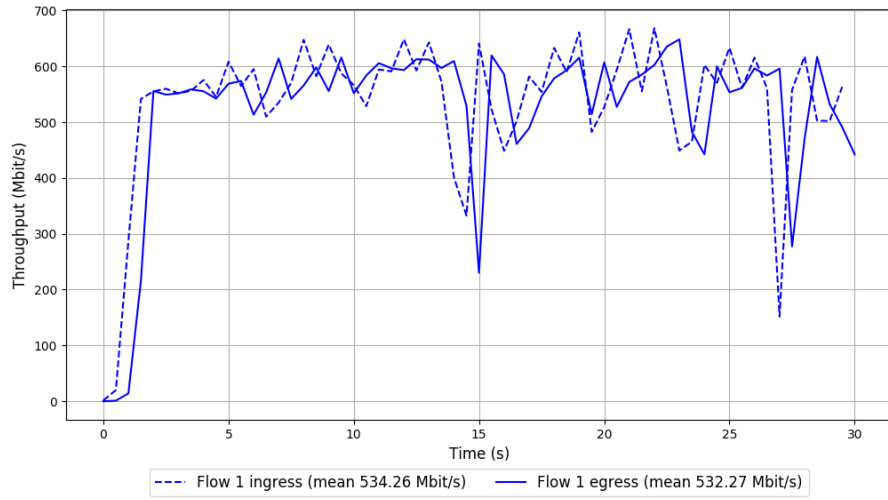
scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	507.99	157.84	1.25
Copa	5	281.34	73.74	0.43
TCP Cubic	5	474.55	85.96	0.41
FillP	5	897.77	101.32	0.69
FillP-Sheep	5	869.62	111.70	0.97
Indigo	5	219.17	64.10	0.46
Indigo-MusesC3	4	574.42	77.19	0.46
Indigo-MusesC5	5	588.27	93.84	0.53
Indigo-MusesD	5	519.44	91.46	0.47
Indigo-MusesT	5	625.17	117.00	0.57
LEDBAT	5	23.06	64.34	0.84
PCC-Allegro	5	391.42	159.49	3.03
PCC-Expr	5	312.45	148.69	2.29
QUIC Cubic	4	60.57	63.17	0.71
SReAM	5	0.22	63.37	0.43
Sprout	5	6.81	63.78	0.42
TaoVA-100x	5	227.58	63.41	0.43
TCP Vegas	5	324.49	66.04	0.32
Verus	5	160.62	141.57	0.37
PCC-Vivace	5	293.26	82.86	0.53
WebRTC media	5	0.48	63.21	0.09

Run 1: Statistics of TCP BBR

Start at: 2019-04-24 04:21:11
End at: 2019-04-24 04:21:41
Local clock offset: -0.028 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-04-24 06:59:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 532.27 Mbit/s
95th percentile per-packet one-way delay: 157.749 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 532.27 Mbit/s
95th percentile per-packet one-way delay: 157.749 ms
Loss rate: 0.80%

Run 1: Report of TCP BBR — Data Link

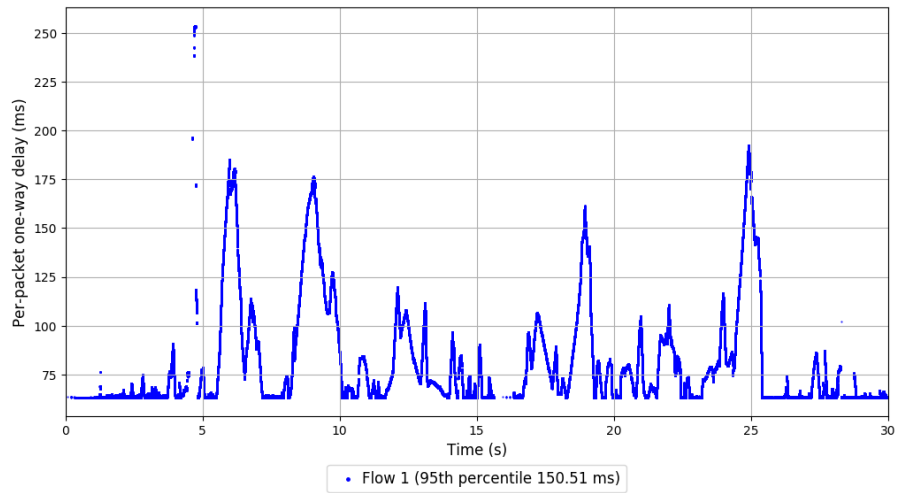
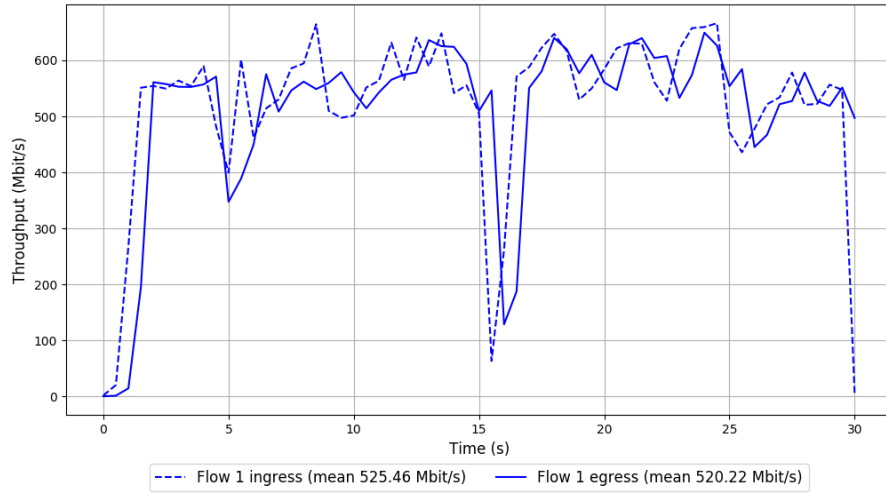


Run 2: Statistics of TCP BBR

Start at: 2019-04-24 04:51:44
End at: 2019-04-24 04:52:14
Local clock offset: -0.073 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2019-04-24 06:59:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 520.22 Mbit/s
95th percentile per-packet one-way delay: 150.511 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 520.22 Mbit/s
95th percentile per-packet one-way delay: 150.511 ms
Loss rate: 1.42%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-04-24 05:22:29

End at: 2019-04-24 05:22:59

Local clock offset: -0.056 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-04-24 06:59:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.68 Mbit/s

95th percentile per-packet one-way delay: 151.108 ms

Loss rate: 1.13%

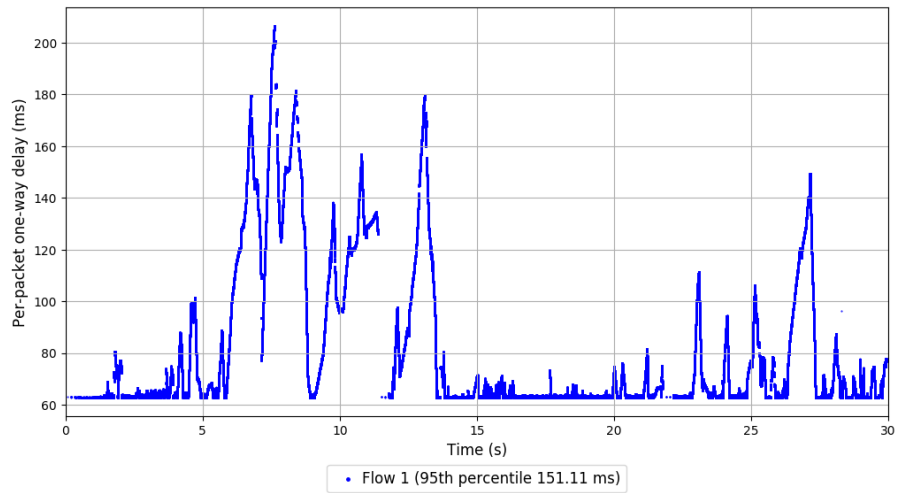
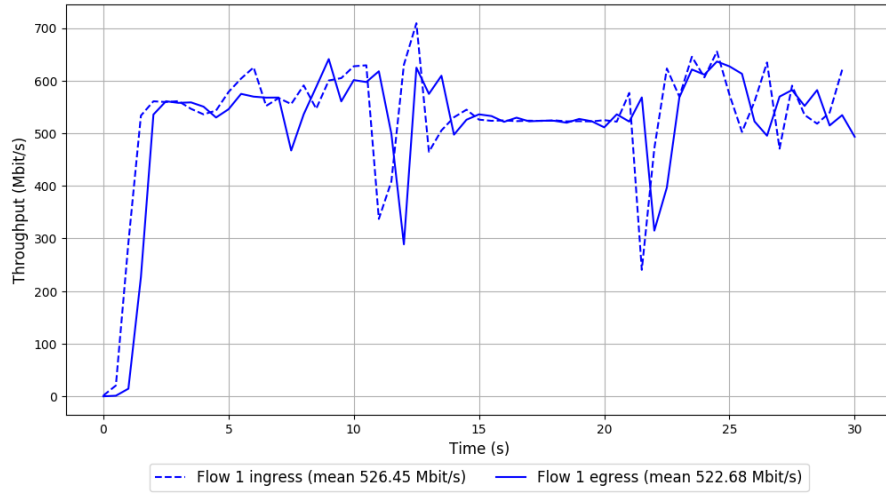
-- Flow 1:

Average throughput: 522.68 Mbit/s

95th percentile per-packet one-way delay: 151.108 ms

Loss rate: 1.13%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-04-24 05:53:23

End at: 2019-04-24 05:53:53

Local clock offset: -0.039 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-04-24 06:59:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.29 Mbit/s

95th percentile per-packet one-way delay: 171.306 ms

Loss rate: 1.46%

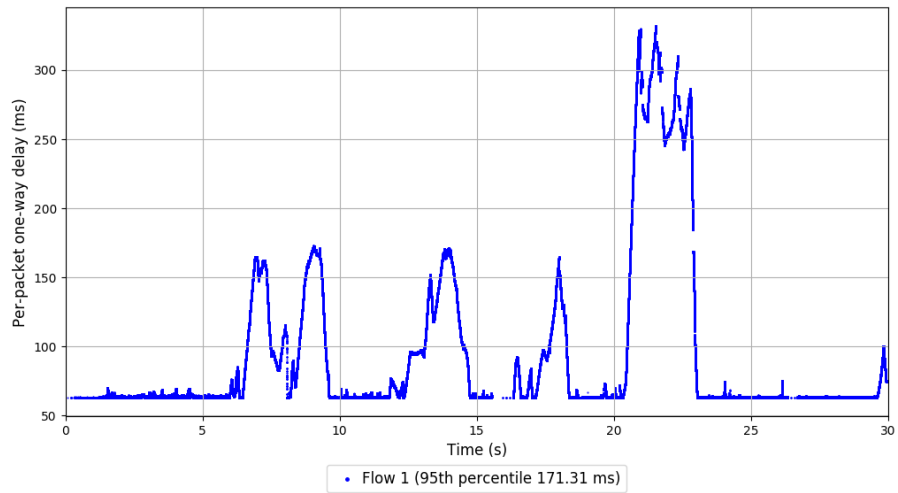
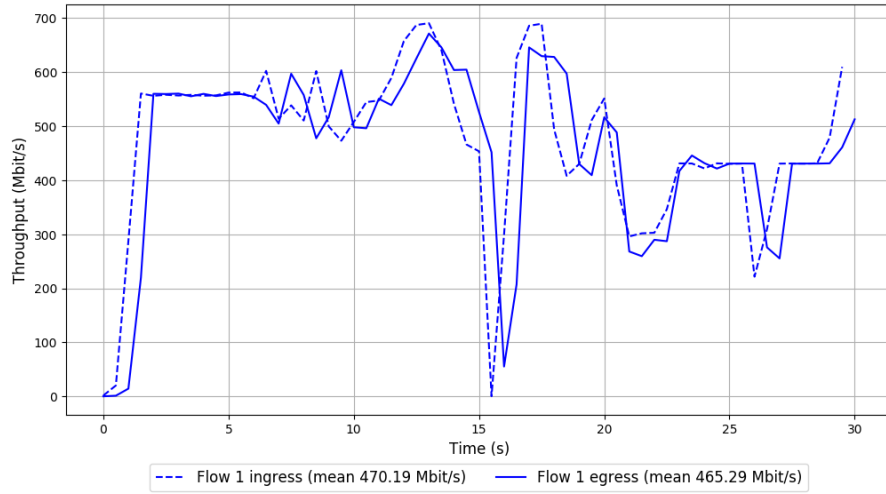
-- Flow 1:

Average throughput: 465.29 Mbit/s

95th percentile per-packet one-way delay: 171.306 ms

Loss rate: 1.46%

Run 4: Report of TCP BBR — Data Link

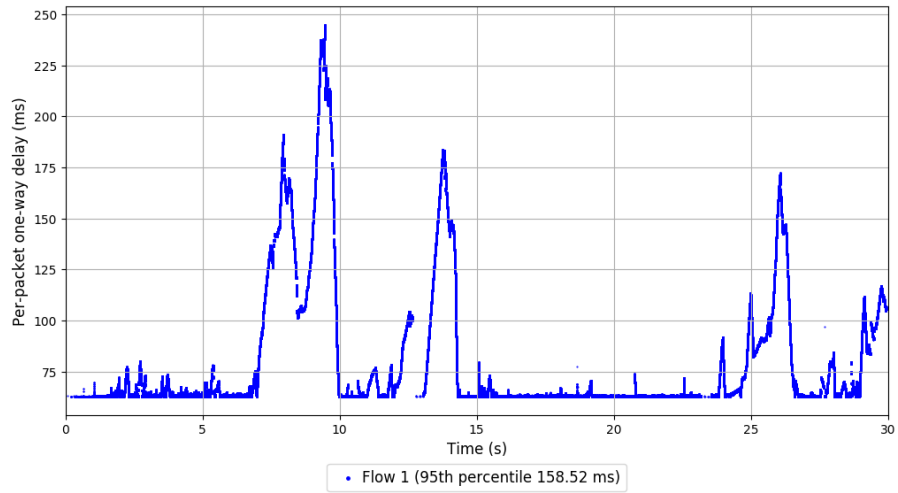
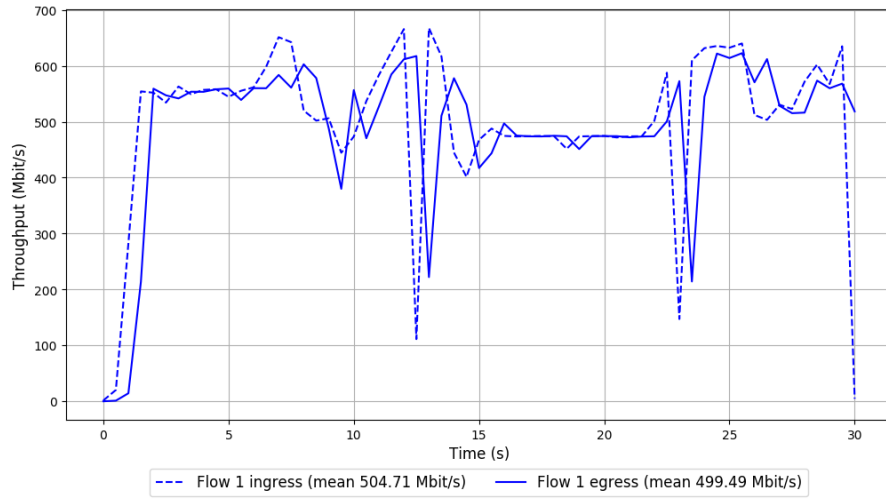


Run 5: Statistics of TCP BBR

Start at: 2019-04-24 06:24:10
End at: 2019-04-24 06:24:40
Local clock offset: -0.039 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2019-04-24 06:59:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.49 Mbit/s
95th percentile per-packet one-way delay: 158.516 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 499.49 Mbit/s
95th percentile per-packet one-way delay: 158.516 ms
Loss rate: 1.45%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-04-24 04:07:33

End at: 2019-04-24 04:08:03

Local clock offset: -0.041 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-04-24 06:59:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.10 Mbit/s

95th percentile per-packet one-way delay: 69.950 ms

Loss rate: 0.47%

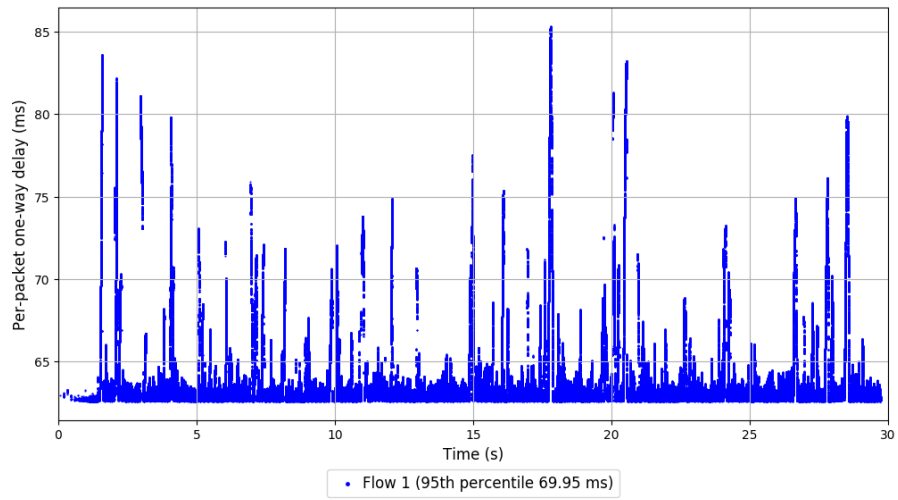
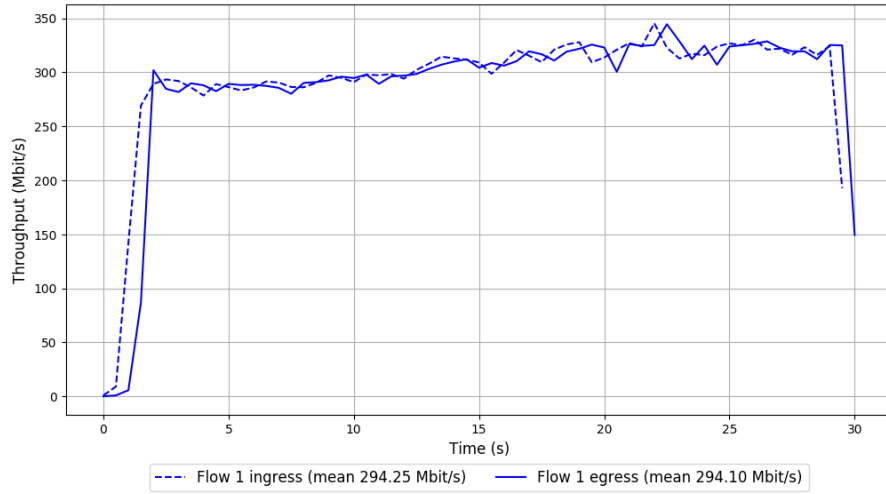
-- Flow 1:

Average throughput: 294.10 Mbit/s

95th percentile per-packet one-way delay: 69.950 ms

Loss rate: 0.47%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-04-24 04:38:02

End at: 2019-04-24 04:38:32

Local clock offset: -0.02 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2019-04-24 06:59:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 68.487 ms

Loss rate: 0.43%

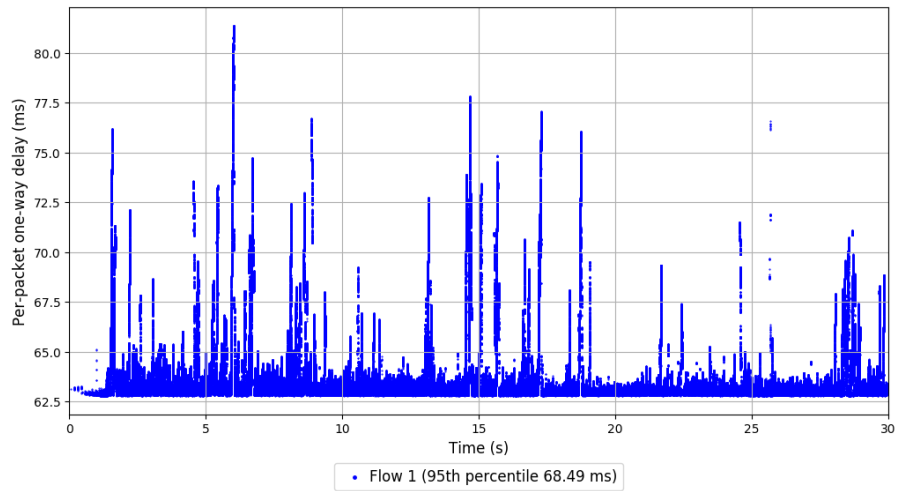
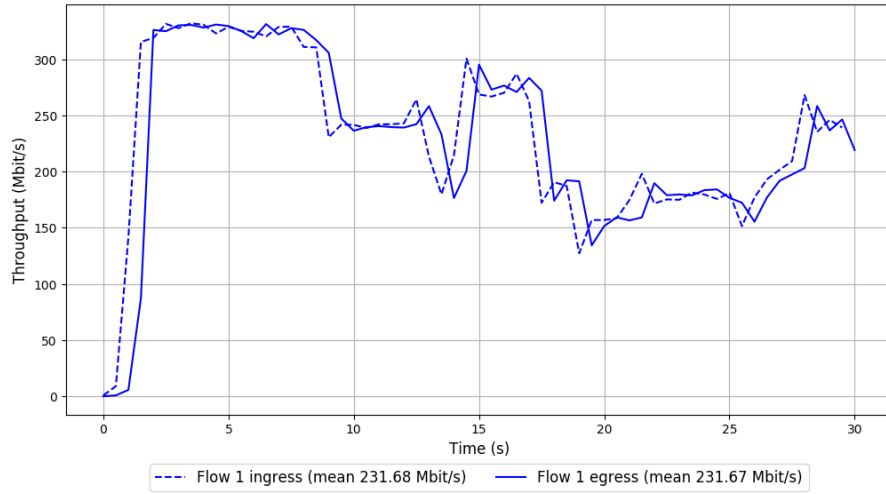
-- Flow 1:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 68.487 ms

Loss rate: 0.43%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-04-24 05:08:23

End at: 2019-04-24 05:08:53

Local clock offset: -0.102 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2019-04-24 06:59:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.57 Mbit/s

95th percentile per-packet one-way delay: 72.936 ms

Loss rate: 0.46%

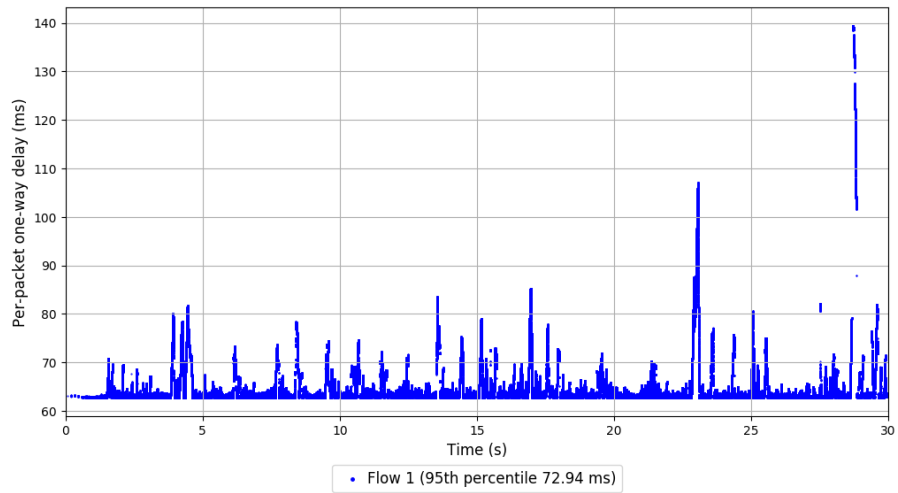
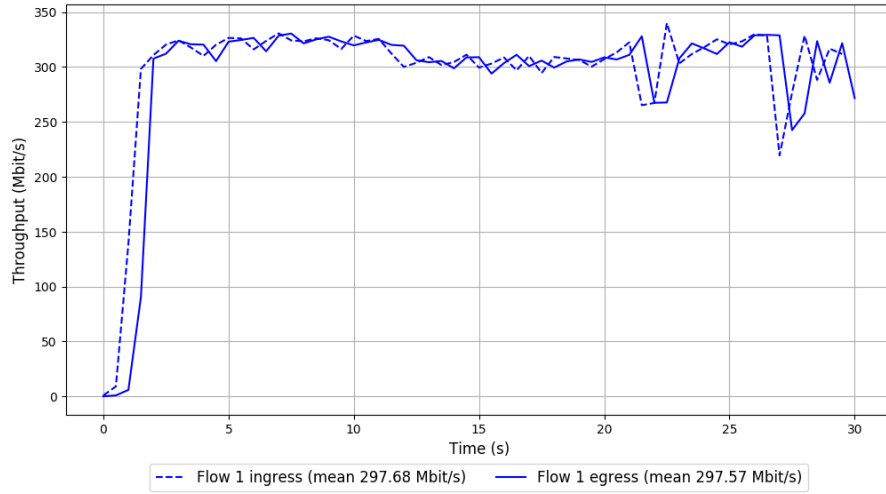
-- Flow 1:

Average throughput: 297.57 Mbit/s

95th percentile per-packet one-way delay: 72.936 ms

Loss rate: 0.46%

Run 3: Report of Copa — Data Link

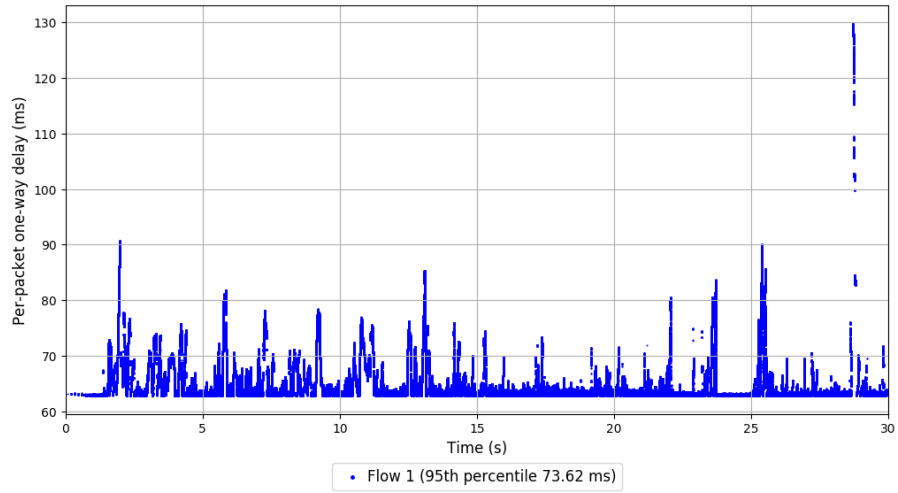
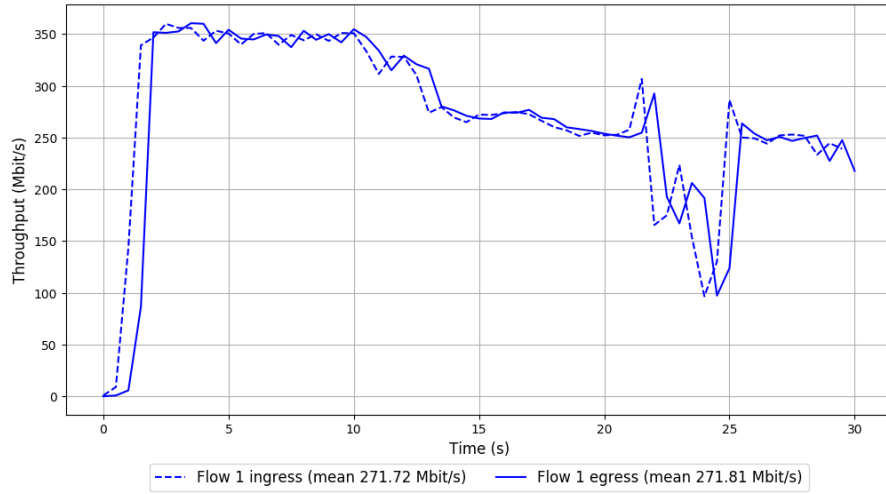


Run 4: Statistics of Copa

Start at: 2019-04-24 05:39:32
End at: 2019-04-24 05:40:02
Local clock offset: -0.051 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2019-04-24 07:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.81 Mbit/s
95th percentile per-packet one-way delay: 73.623 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 271.81 Mbit/s
95th percentile per-packet one-way delay: 73.623 ms
Loss rate: 0.39%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-04-24 06:10:17
End at: 2019-04-24 06:10:47
Local clock offset: -0.029 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2019-04-24 07:07:56

Datalink statistics

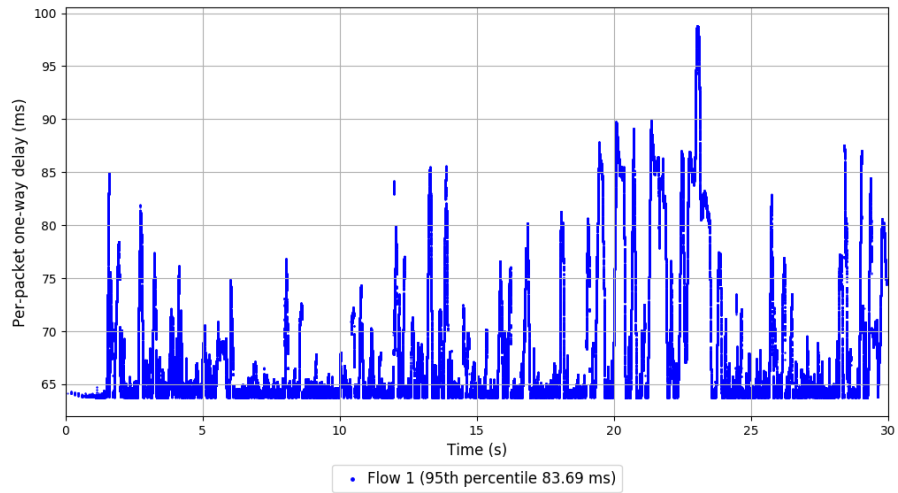
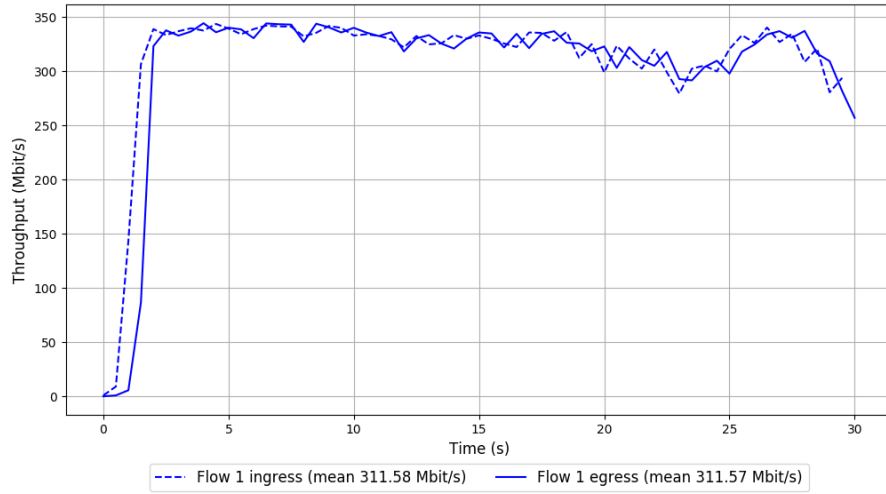
-- Total of 1 flow:

Average throughput: 311.57 Mbit/s
95th percentile per-packet one-way delay: 83.686 ms
Loss rate: 0.42%

-- Flow 1:

Average throughput: 311.57 Mbit/s
95th percentile per-packet one-way delay: 83.686 ms
Loss rate: 0.42%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-04-24 04:13:20
End at: 2019-04-24 04:13:50
Local clock offset: -0.02 ms
Remote clock offset: -0.594 ms

Below is generated by plot.py at 2019-04-24 07:07:56

Datalink statistics

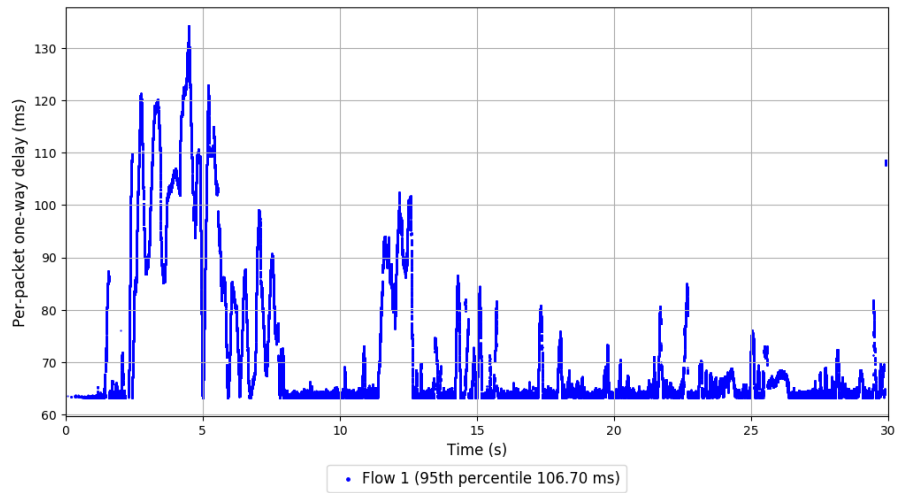
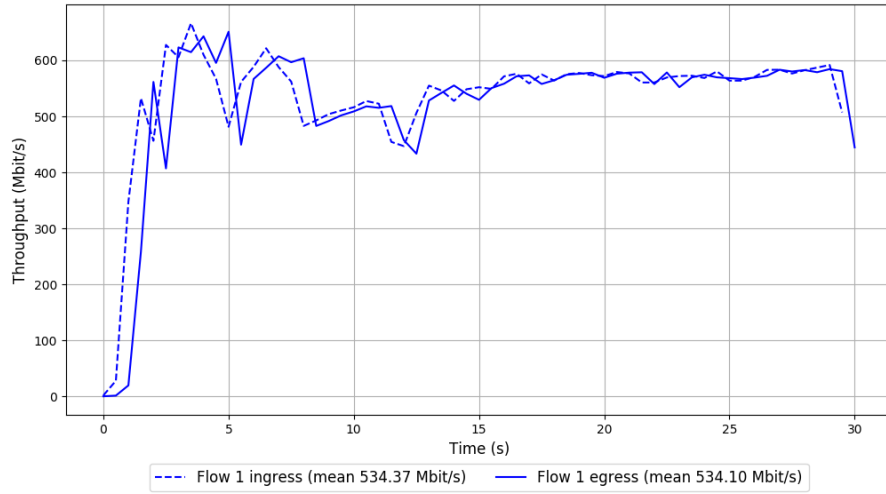
-- Total of 1 flow:

Average throughput: 534.10 Mbit/s
95th percentile per-packet one-way delay: 106.705 ms
Loss rate: 0.47%

-- Flow 1:

Average throughput: 534.10 Mbit/s
95th percentile per-packet one-way delay: 106.705 ms
Loss rate: 0.47%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-04-24 04:43:57

End at: 2019-04-24 04:44:27

Local clock offset: -0.046 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2019-04-24 07:07:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.40 Mbit/s

95th percentile per-packet one-way delay: 69.812 ms

Loss rate: 0.35%

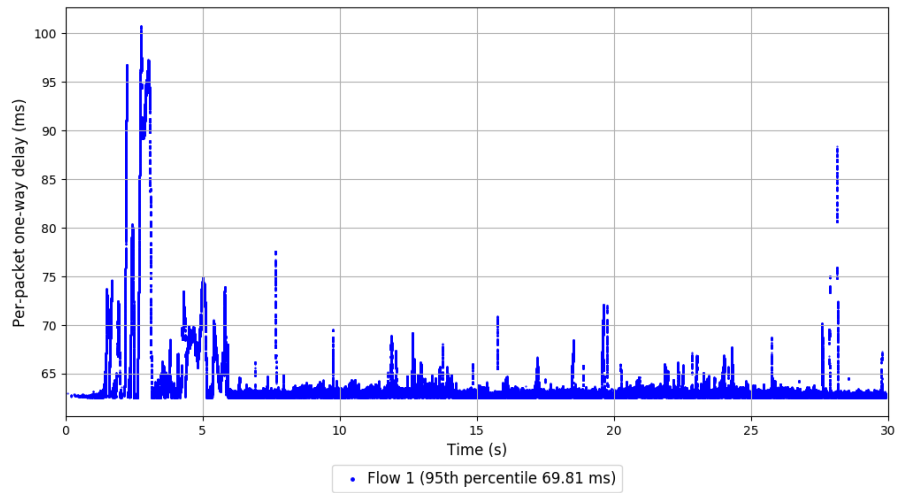
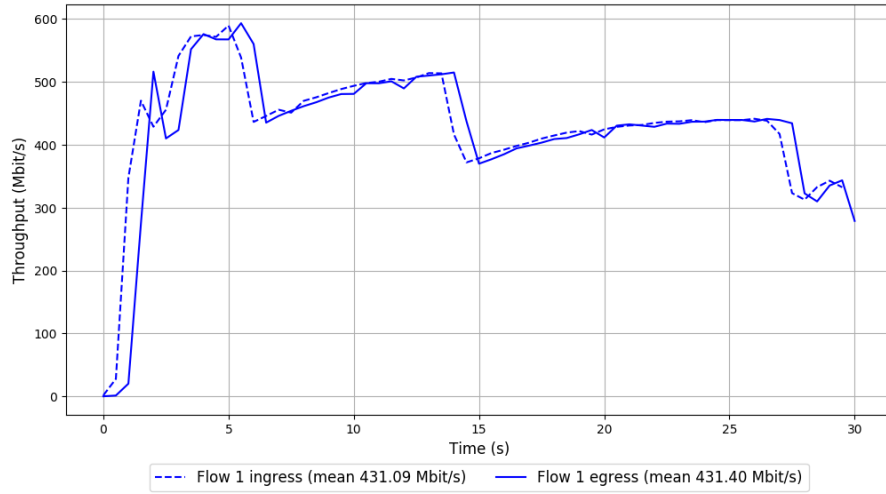
-- Flow 1:

Average throughput: 431.40 Mbit/s

95th percentile per-packet one-way delay: 69.812 ms

Loss rate: 0.35%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-04-24 05:14:30
End at: 2019-04-24 05:15:00
Local clock offset: -0.051 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 07:07:56

Datalink statistics

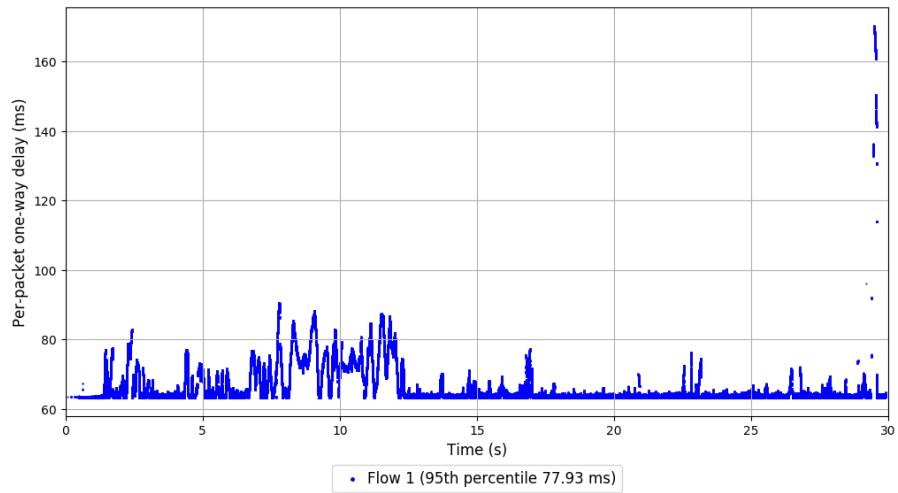
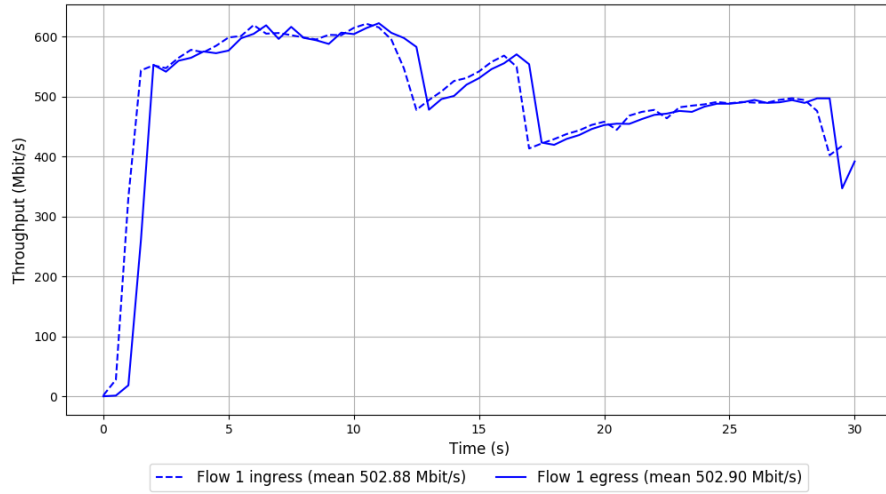
-- Total of 1 flow:

Average throughput: 502.90 Mbit/s
95th percentile per-packet one-way delay: 77.934 ms
Loss rate: 0.42%

-- Flow 1:

Average throughput: 502.90 Mbit/s
95th percentile per-packet one-way delay: 77.934 ms
Loss rate: 0.42%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-04-24 05:45:33
End at: 2019-04-24 05:46:03
Local clock offset: -0.035 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-04-24 07:07:56

Datalink statistics

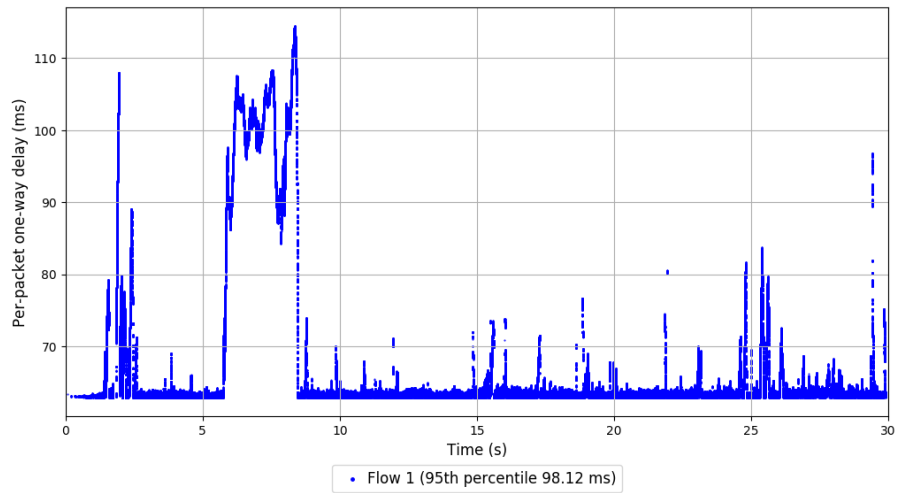
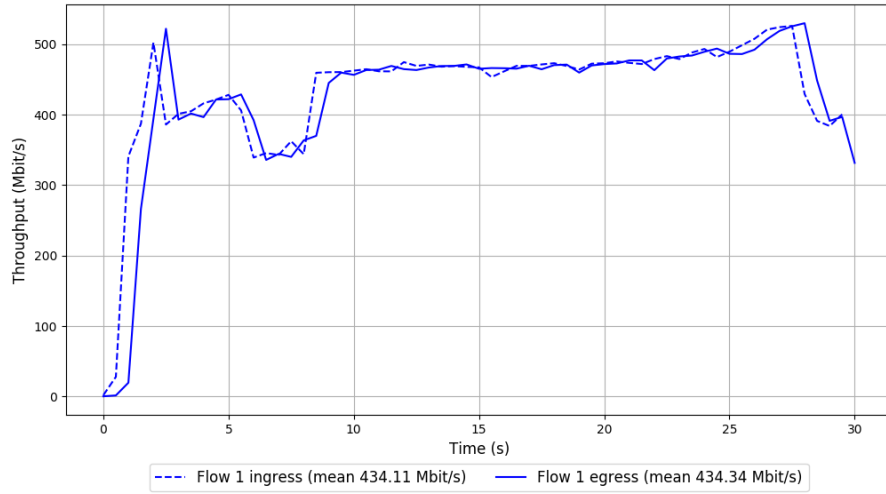
-- Total of 1 flow:

Average throughput: 434.34 Mbit/s
95th percentile per-packet one-way delay: 98.123 ms
Loss rate: 0.39%

-- Flow 1:

Average throughput: 434.34 Mbit/s
95th percentile per-packet one-way delay: 98.123 ms
Loss rate: 0.39%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-04-24 06:16:20
End at: 2019-04-24 06:16:50
Local clock offset: -0.073 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-04-24 07:07:56

Datalink statistics

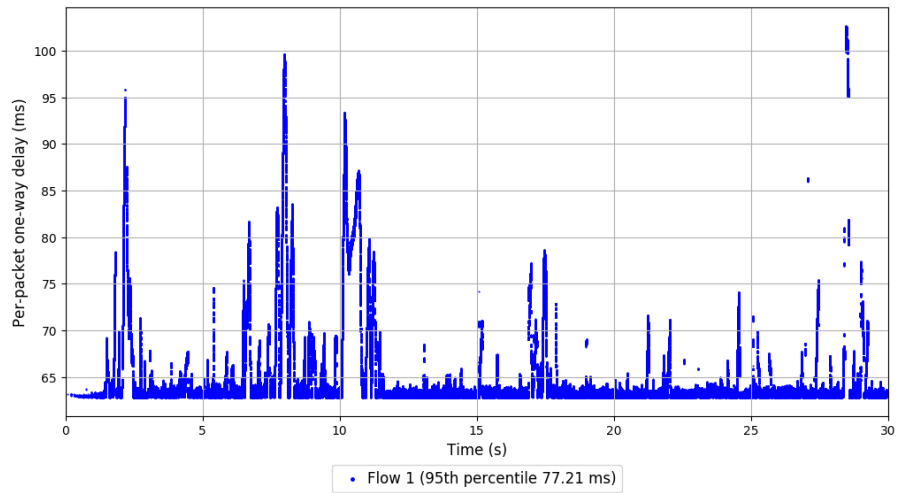
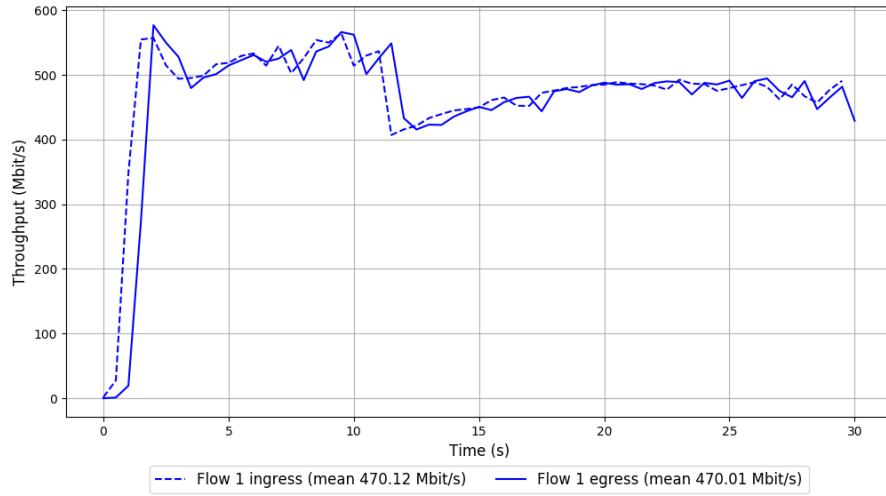
-- Total of 1 flow:

Average throughput: 470.01 Mbit/s
95th percentile per-packet one-way delay: 77.211 ms
Loss rate: 0.44%

-- Flow 1:

Average throughput: 470.01 Mbit/s
95th percentile per-packet one-way delay: 77.211 ms
Loss rate: 0.44%

Run 5: Report of TCP Cubic — Data Link

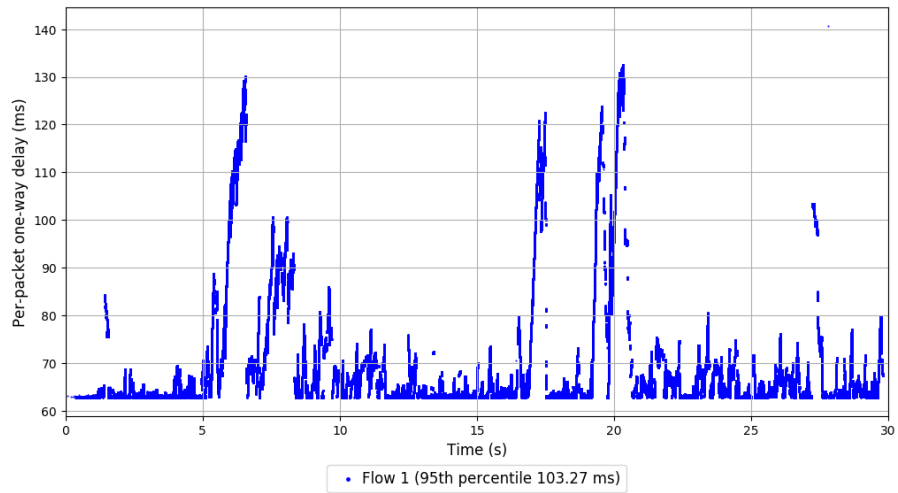
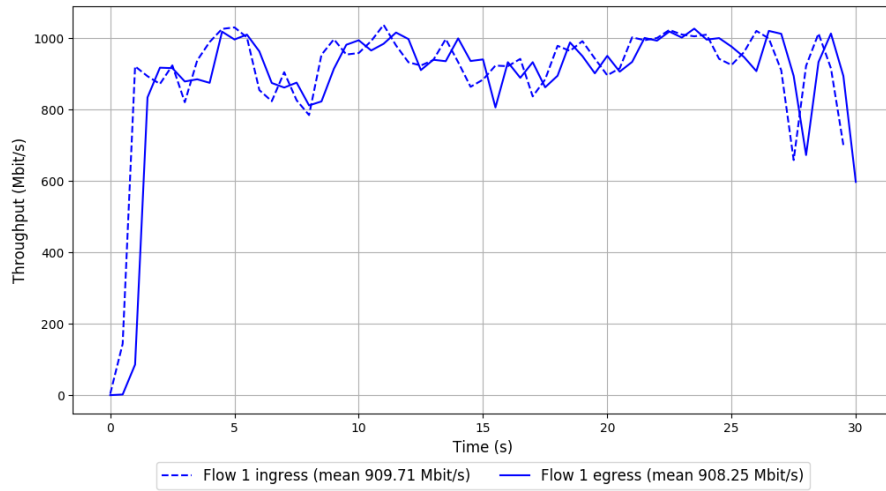


Run 1: Statistics of FillP

Start at: 2019-04-24 04:18:02
End at: 2019-04-24 04:18:32
Local clock offset: -0.01 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-04-24 07:16:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 908.25 Mbit/s
95th percentile per-packet one-way delay: 103.272 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 908.25 Mbit/s
95th percentile per-packet one-way delay: 103.272 ms
Loss rate: 0.58%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-04-24 04:48:32

End at: 2019-04-24 04:49:02

Local clock offset: -0.055 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2019-04-24 07:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 885.58 Mbit/s

95th percentile per-packet one-way delay: 101.332 ms

Loss rate: 0.77%

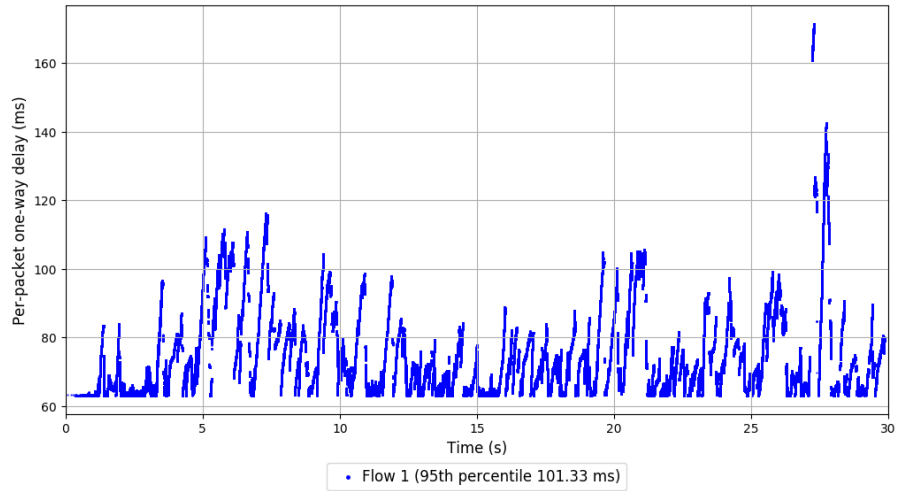
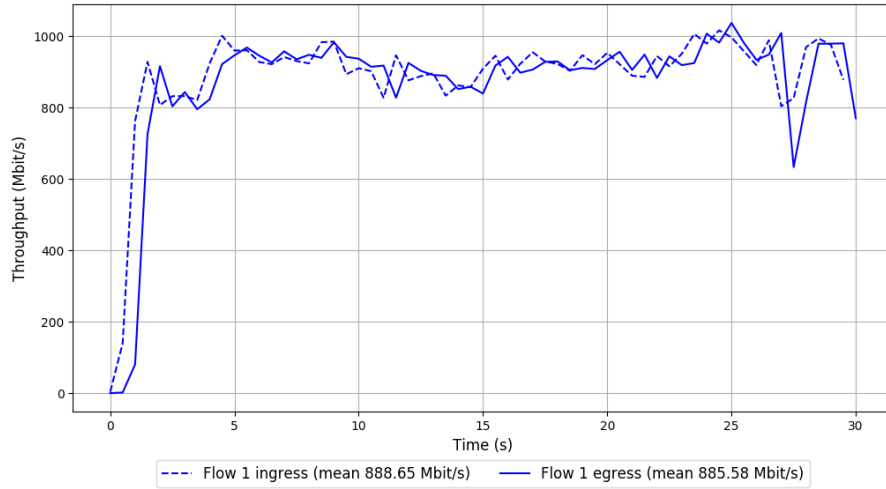
-- Flow 1:

Average throughput: 885.58 Mbit/s

95th percentile per-packet one-way delay: 101.332 ms

Loss rate: 0.77%

Run 2: Report of FillP — Data Link

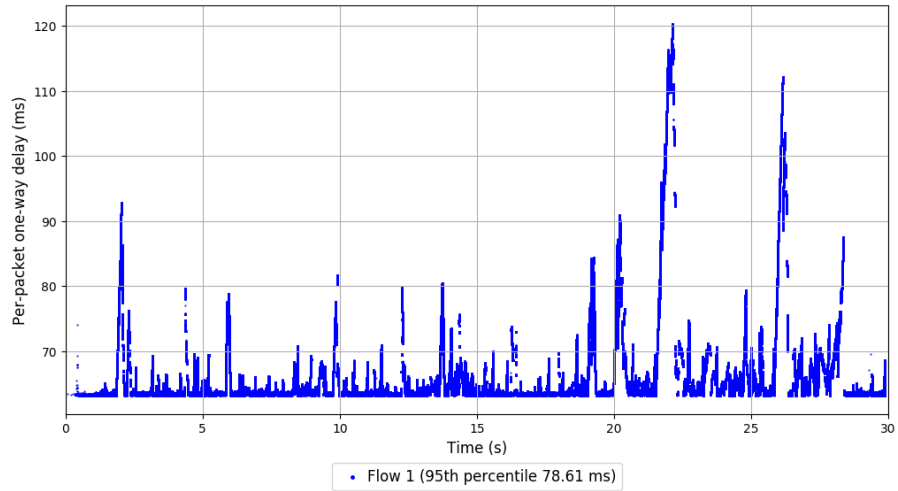
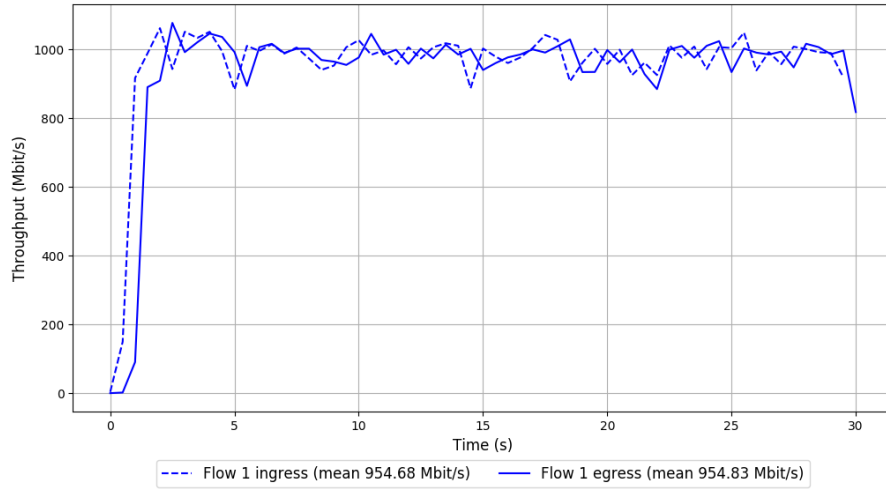


Run 3: Statistics of FillP

Start at: 2019-04-24 05:19:10
End at: 2019-04-24 05:19:40
Local clock offset: -0.05 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-04-24 07:26:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 954.83 Mbit/s
95th percentile per-packet one-way delay: 78.607 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 954.83 Mbit/s
95th percentile per-packet one-way delay: 78.607 ms
Loss rate: 0.41%

Run 3: Report of FillP — Data Link

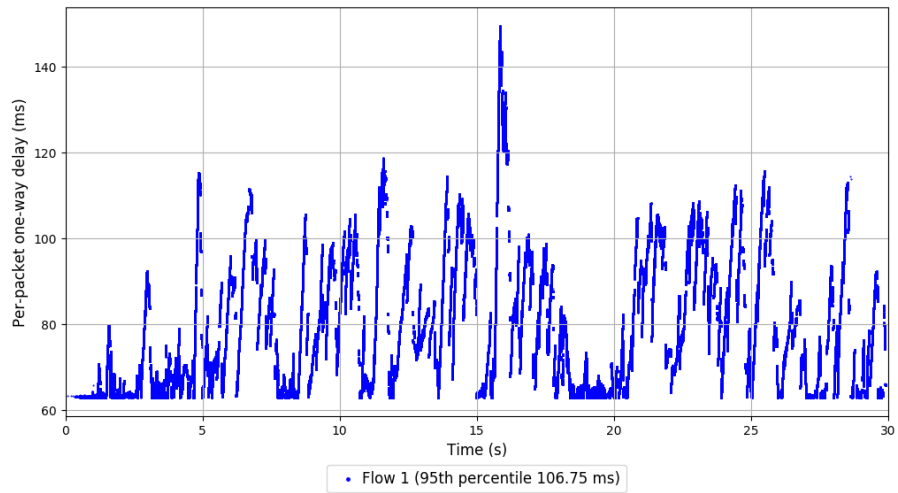
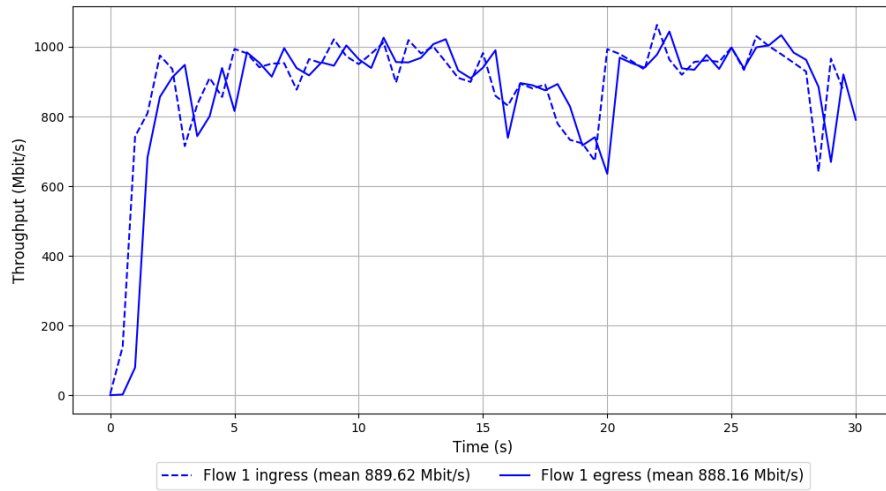


Run 4: Statistics of FillP

Start at: 2019-04-24 05:50:11
End at: 2019-04-24 05:50:41
Local clock offset: -0.042 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-04-24 07:26:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 888.16 Mbit/s
95th percentile per-packet one-way delay: 106.755 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 888.16 Mbit/s
95th percentile per-packet one-way delay: 106.755 ms
Loss rate: 0.59%

Run 4: Report of FillP — Data Link

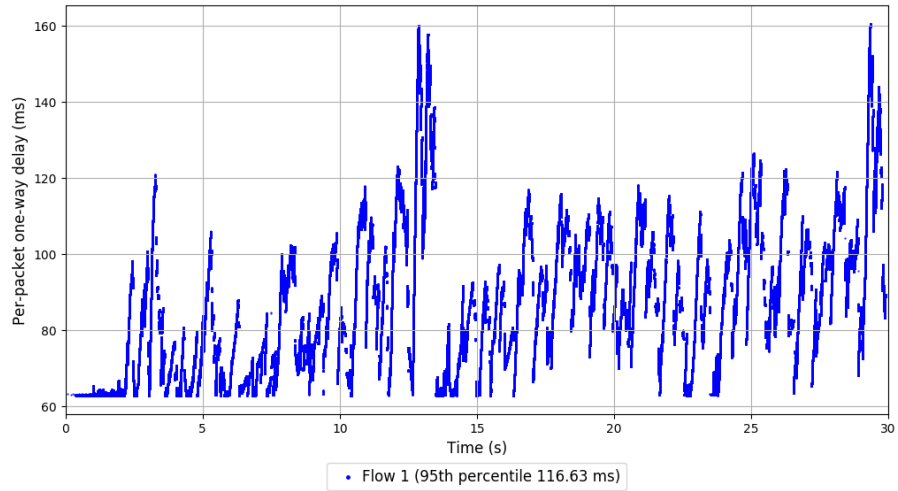
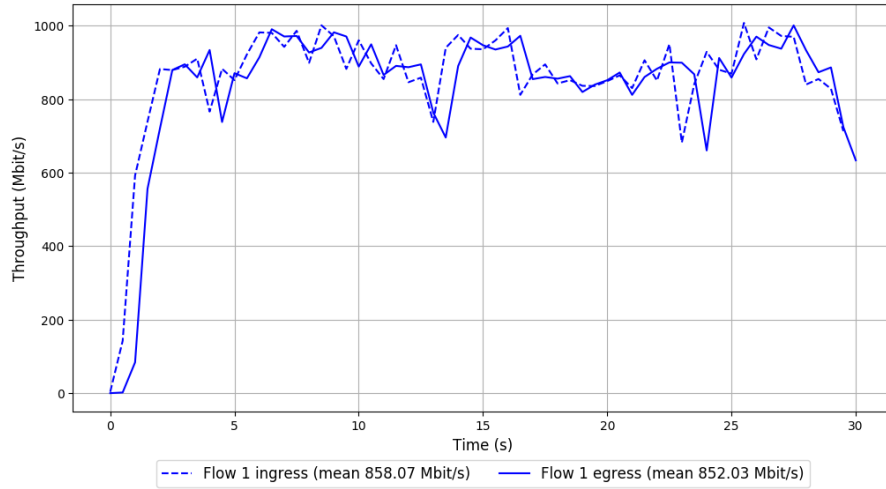


Run 5: Statistics of FillP

Start at: 2019-04-24 06:20:57
End at: 2019-04-24 06:21:27
Local clock offset: -0.059 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2019-04-24 07:26:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 852.03 Mbit/s
95th percentile per-packet one-way delay: 116.626 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 852.03 Mbit/s
95th percentile per-packet one-way delay: 116.626 ms
Loss rate: 1.12%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-04-24 04:10:16

End at: 2019-04-24 04:10:46

Local clock offset: -0.008 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2019-04-24 07:26:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 876.21 Mbit/s

95th percentile per-packet one-way delay: 124.052 ms

Loss rate: 1.88%

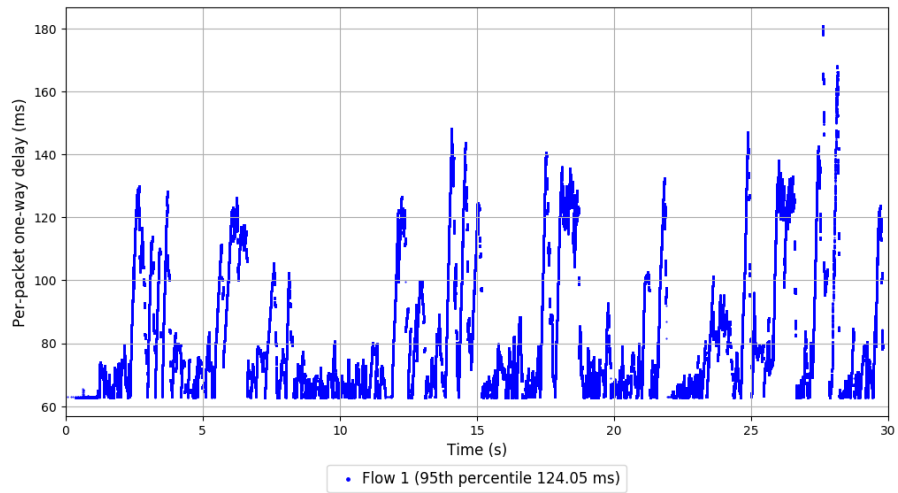
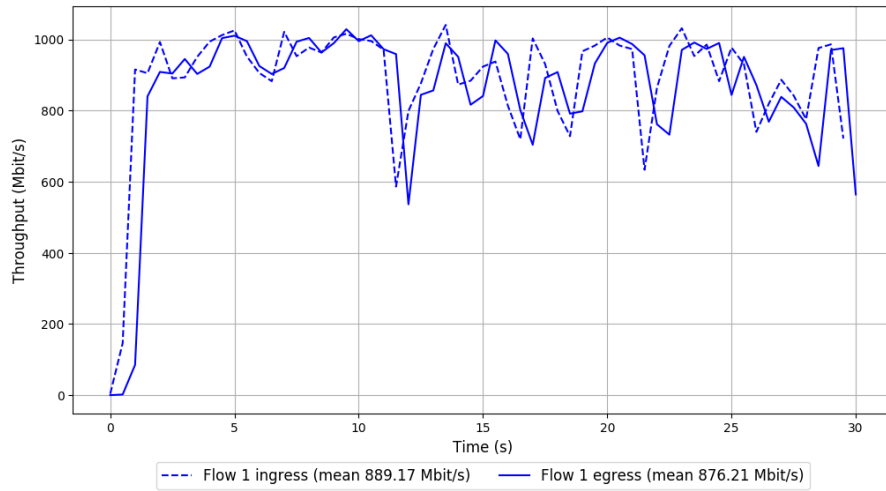
-- Flow 1:

Average throughput: 876.21 Mbit/s

95th percentile per-packet one-way delay: 124.052 ms

Loss rate: 1.88%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-04-24 04:40:40
End at: 2019-04-24 04:41:10
Local clock offset: -0.049 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2019-04-24 07:26:06

Datalink statistics

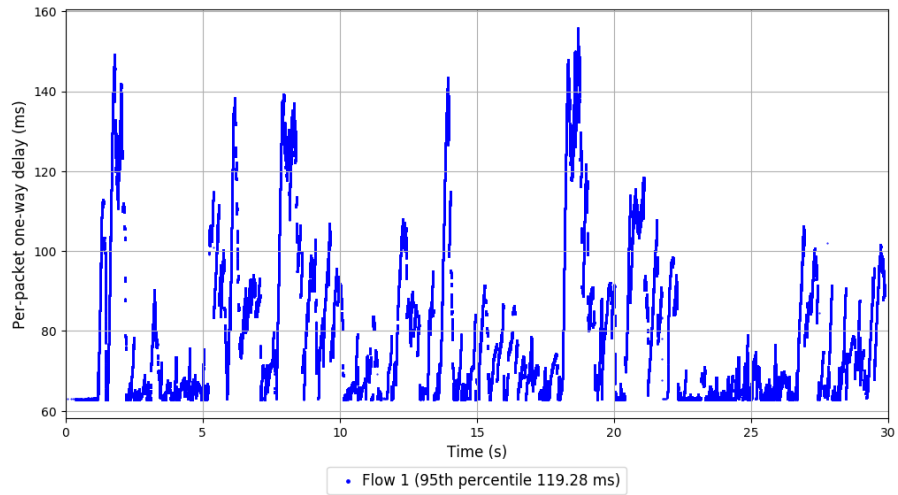
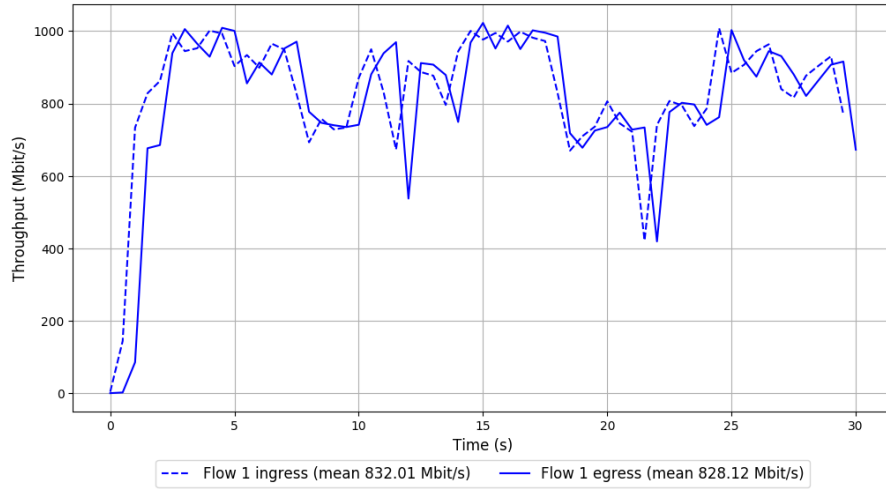
-- Total of 1 flow:

Average throughput: 828.12 Mbit/s
95th percentile per-packet one-way delay: 119.283 ms
Loss rate: 0.89%

-- Flow 1:

Average throughput: 828.12 Mbit/s
95th percentile per-packet one-way delay: 119.283 ms
Loss rate: 0.89%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-04-24 05:11:09

End at: 2019-04-24 05:11:39

Local clock offset: -0.08 ms

Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-04-24 07:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 881.43 Mbit/s

95th percentile per-packet one-way delay: 98.385 ms

Loss rate: 0.60%

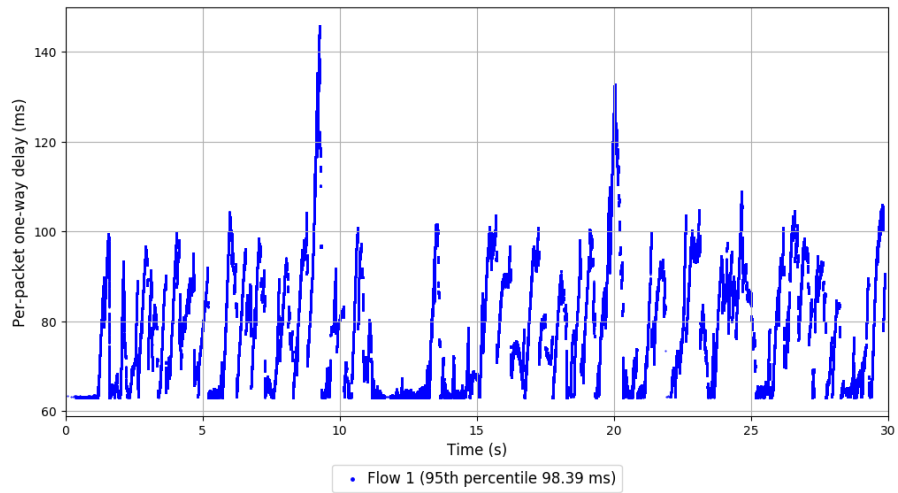
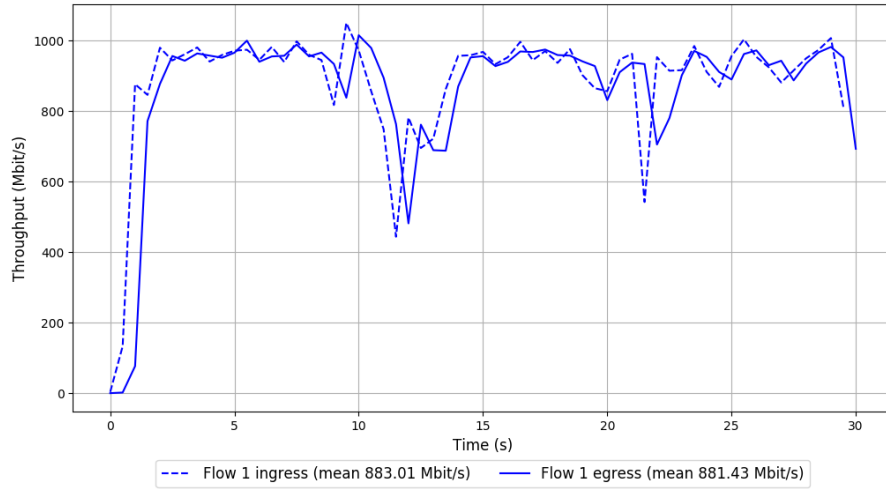
-- Flow 1:

Average throughput: 881.43 Mbit/s

95th percentile per-packet one-way delay: 98.385 ms

Loss rate: 0.60%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-04-24 05:42:13

End at: 2019-04-24 05:42:43

Local clock offset: -0.05 ms

Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-04-24 07:39:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 888.96 Mbit/s

95th percentile per-packet one-way delay: 96.970 ms

Loss rate: 0.54%

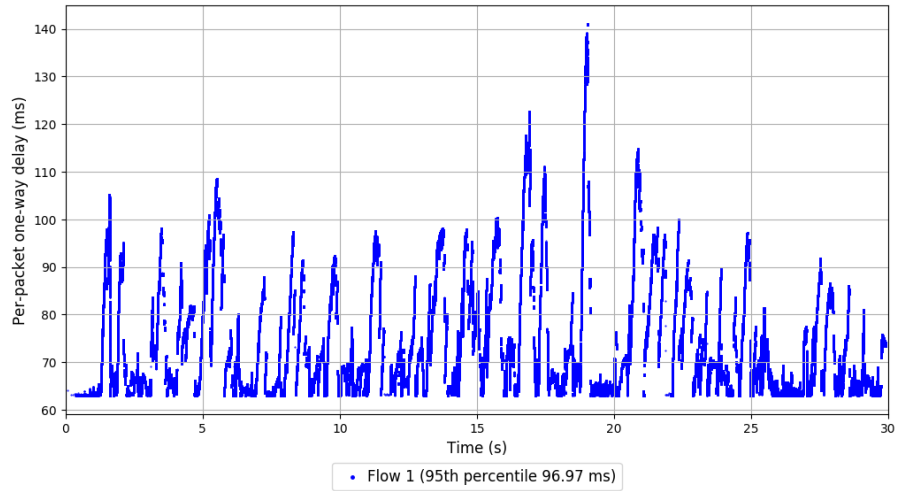
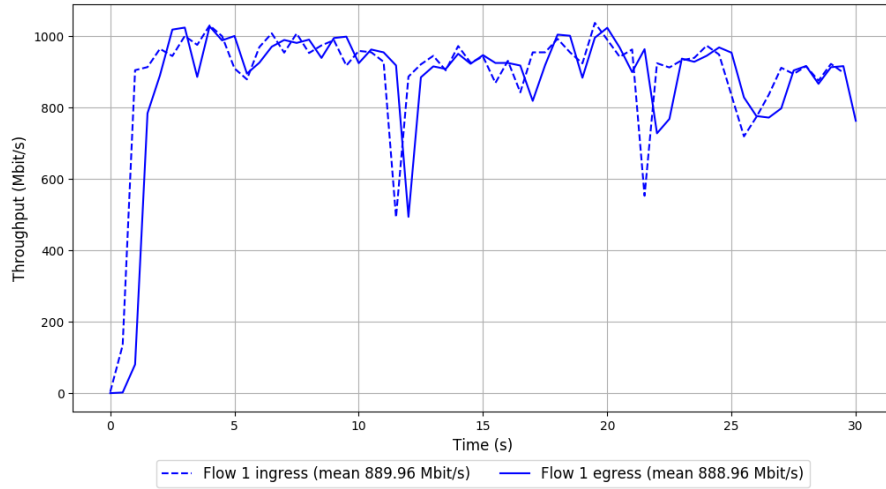
-- Flow 1:

Average throughput: 888.96 Mbit/s

95th percentile per-packet one-way delay: 96.970 ms

Loss rate: 0.54%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-04-24 06:13:03

End at: 2019-04-24 06:13:33

Local clock offset: -0.064 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 873.37 Mbit/s

95th percentile per-packet one-way delay: 119.805 ms

Loss rate: 0.96%

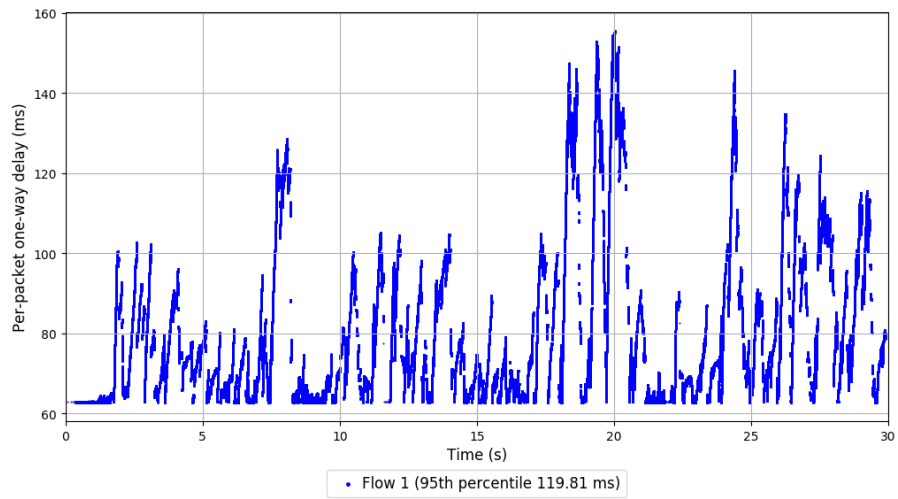
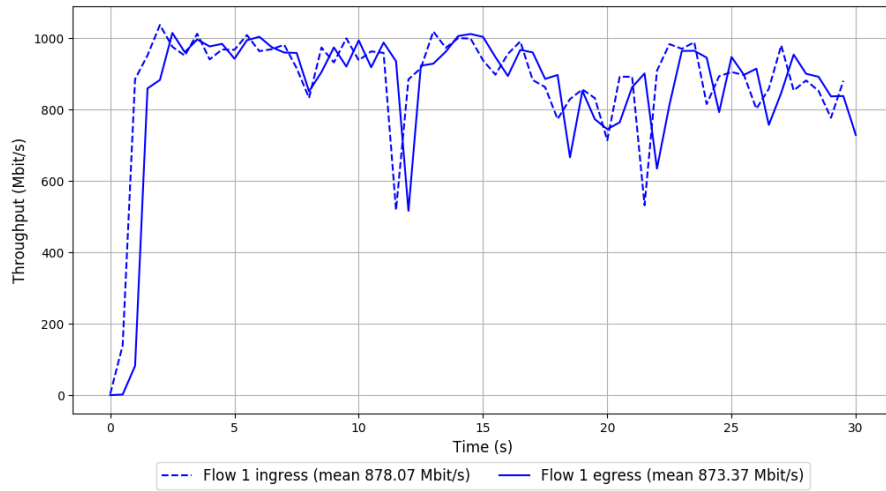
-- Flow 1:

Average throughput: 873.37 Mbit/s

95th percentile per-packet one-way delay: 119.805 ms

Loss rate: 0.96%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-04-24 04:33:54

End at: 2019-04-24 04:34:24

Local clock offset: 0.019 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.42 Mbit/s

95th percentile per-packet one-way delay: 64.206 ms

Loss rate: 0.42%

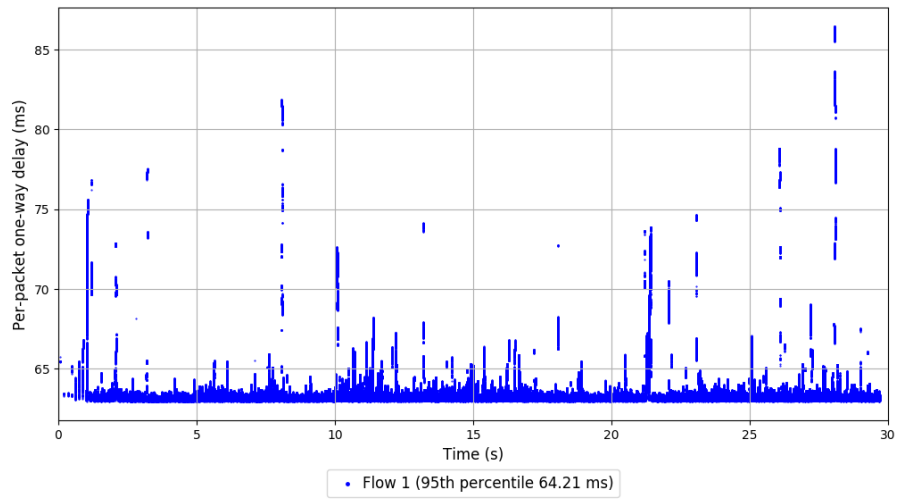
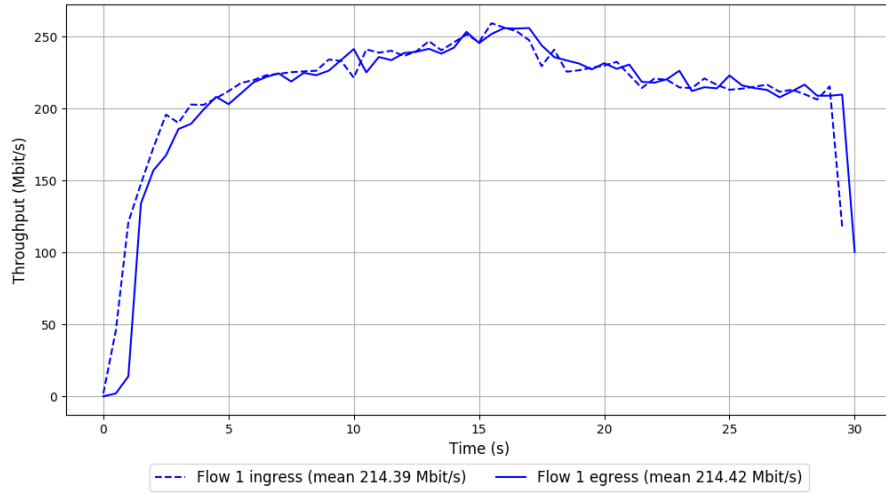
-- Flow 1:

Average throughput: 214.42 Mbit/s

95th percentile per-packet one-way delay: 64.206 ms

Loss rate: 0.42%

Run 1: Report of Indigo — Data Link

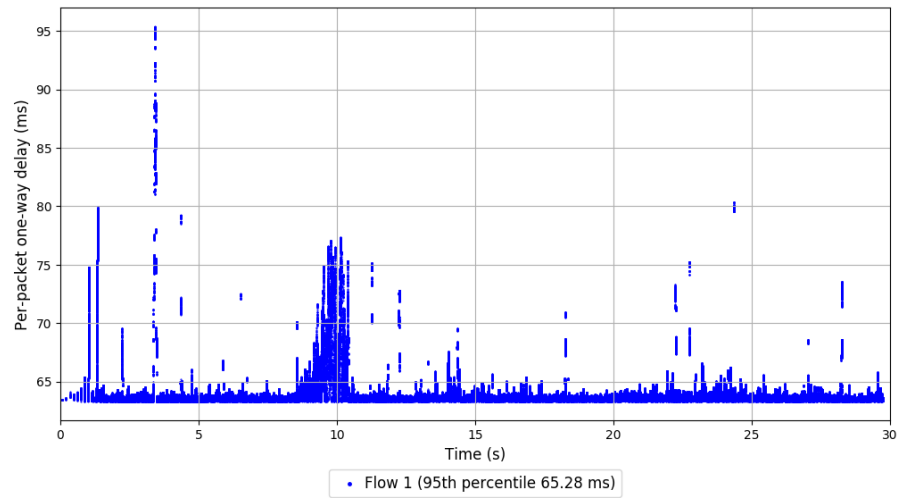
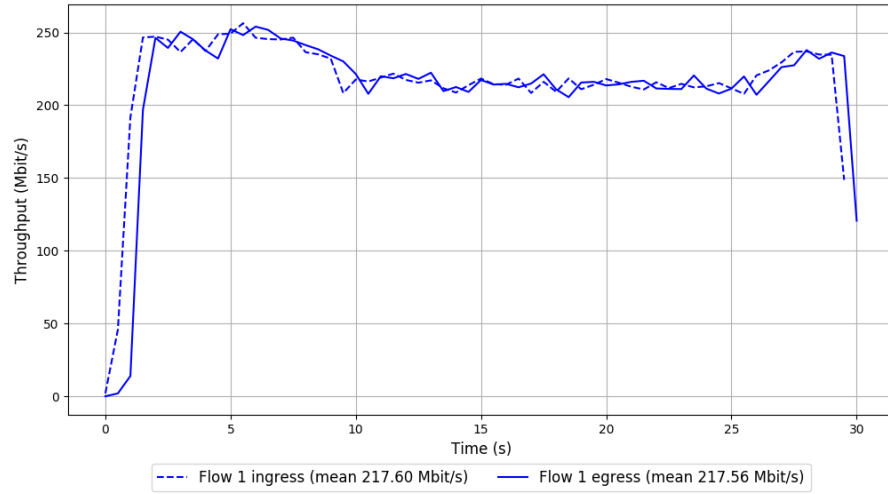


Run 2: Statistics of Indigo

Start at: 2019-04-24 05:04:34
End at: 2019-04-24 05:05:04
Local clock offset: -0.099 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2019-04-24 07:43:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.56 Mbit/s
95th percentile per-packet one-way delay: 65.281 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 217.56 Mbit/s
95th percentile per-packet one-way delay: 65.281 ms
Loss rate: 0.47%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-04-24 05:35:22

End at: 2019-04-24 05:35:52

Local clock offset: -0.034 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.92 Mbit/s

95th percentile per-packet one-way delay: 63.538 ms

Loss rate: 0.47%

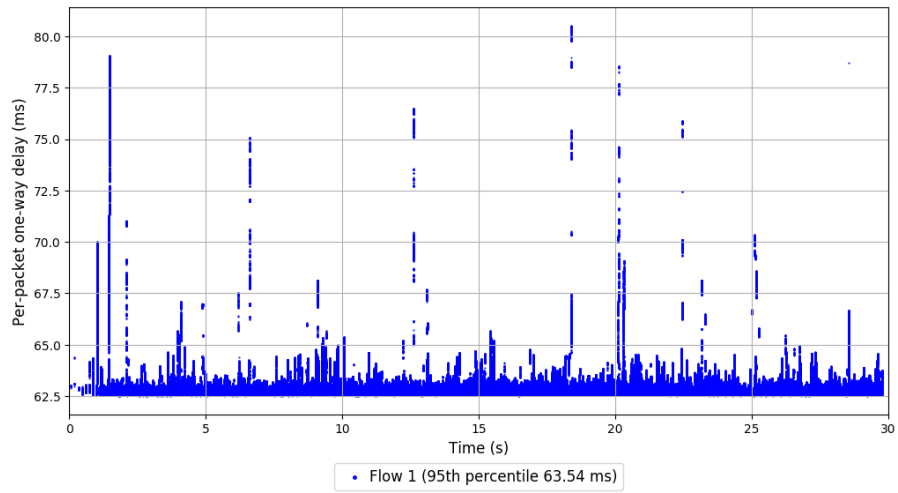
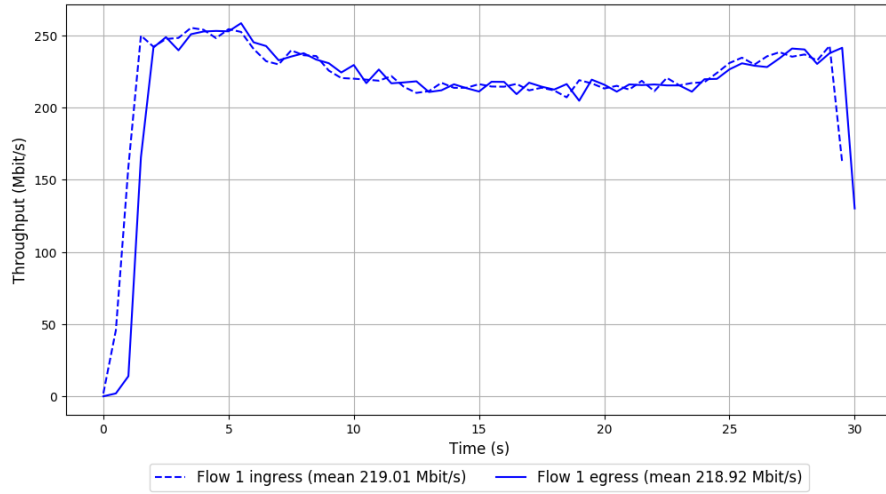
-- Flow 1:

Average throughput: 218.92 Mbit/s

95th percentile per-packet one-way delay: 63.538 ms

Loss rate: 0.47%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-04-24 06:06:07

End at: 2019-04-24 06:06:38

Local clock offset: -0.084 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.12 Mbit/s

95th percentile per-packet one-way delay: 63.672 ms

Loss rate: 0.48%

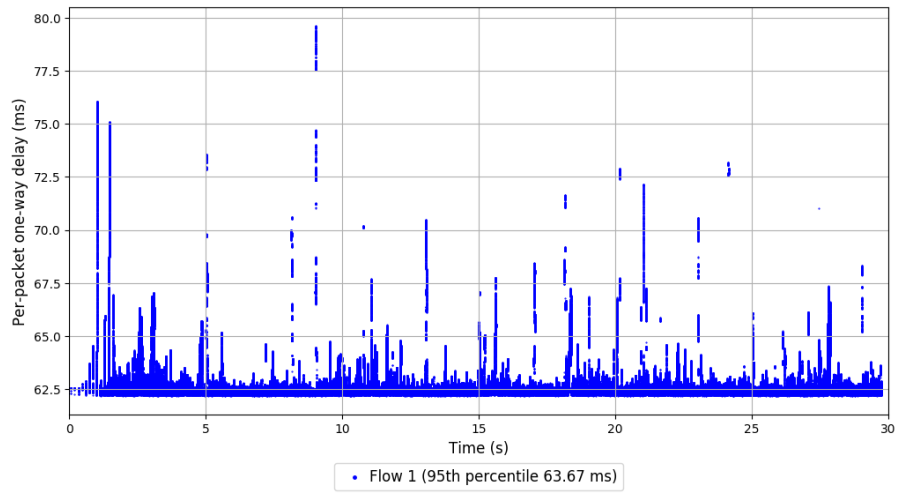
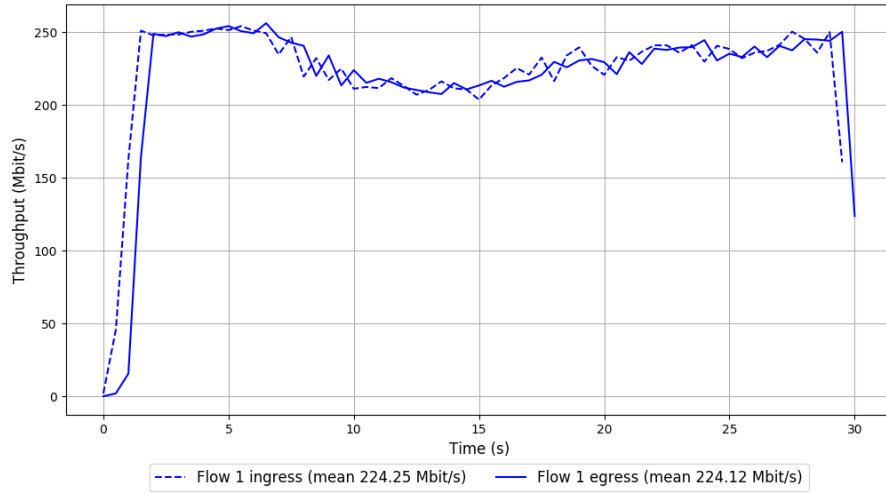
-- Flow 1:

Average throughput: 224.12 Mbit/s

95th percentile per-packet one-way delay: 63.672 ms

Loss rate: 0.48%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-04-24 06:36:47

End at: 2019-04-24 06:37:17

Local clock offset: -0.022 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.82 Mbit/s

95th percentile per-packet one-way delay: 63.825 ms

Loss rate: 0.47%

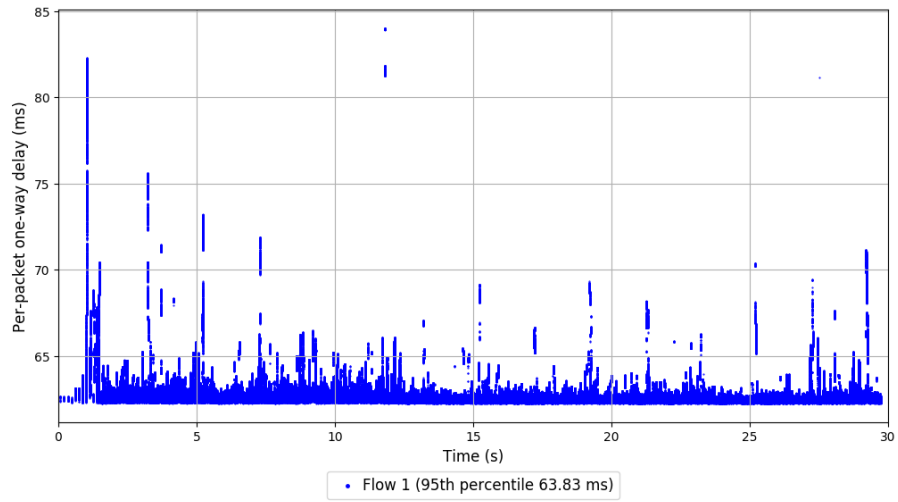
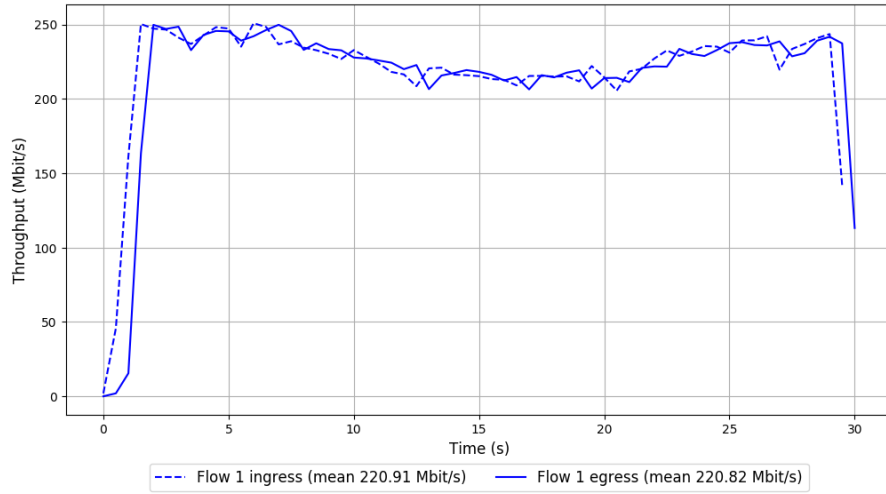
-- Flow 1:

Average throughput: 220.82 Mbit/s

95th percentile per-packet one-way delay: 63.825 ms

Loss rate: 0.47%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

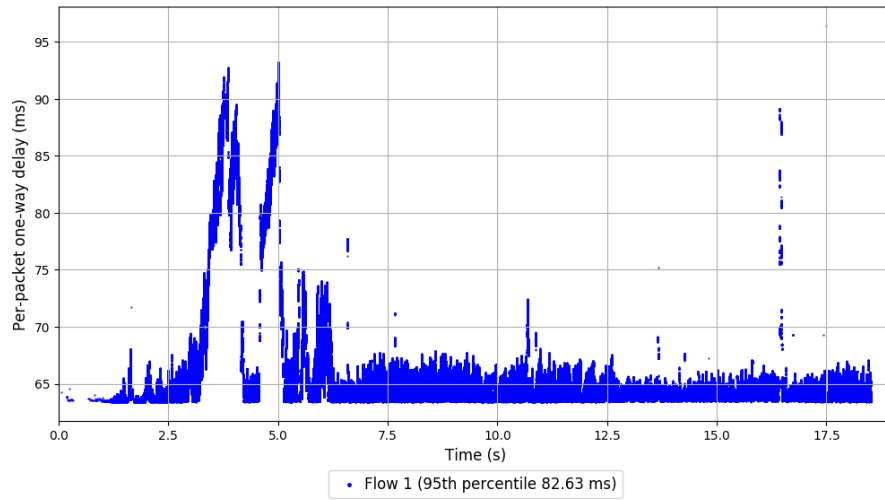
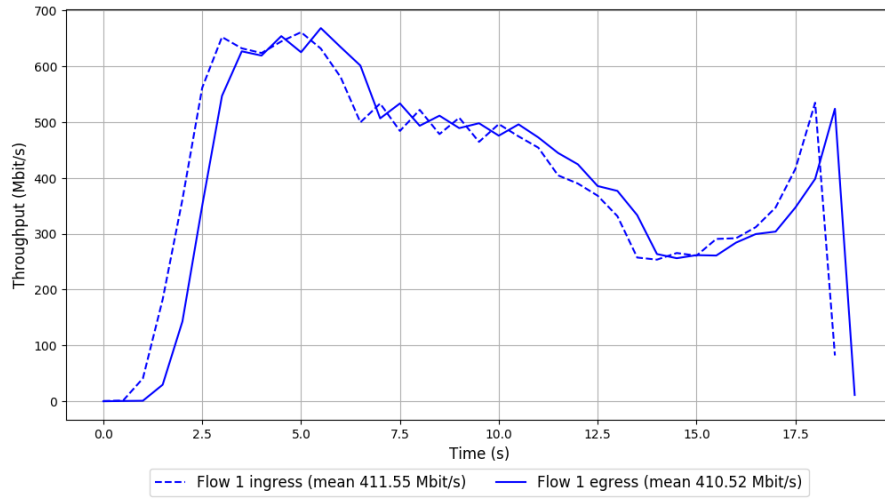
Start at: 2019-04-24 04:12:00

End at: 2019-04-24 04:12:30

Local clock offset: -0.027 ms

Remote clock offset: -0.639 ms

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-04-24 04:42:22

End at: 2019-04-24 04:42:52

Local clock offset: -0.058 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.69 Mbit/s

95th percentile per-packet one-way delay: 77.913 ms

Loss rate: 0.48%

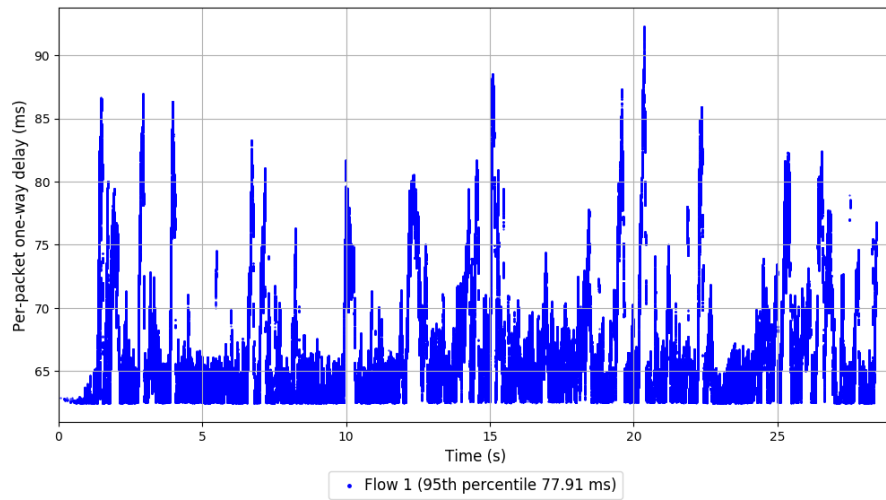
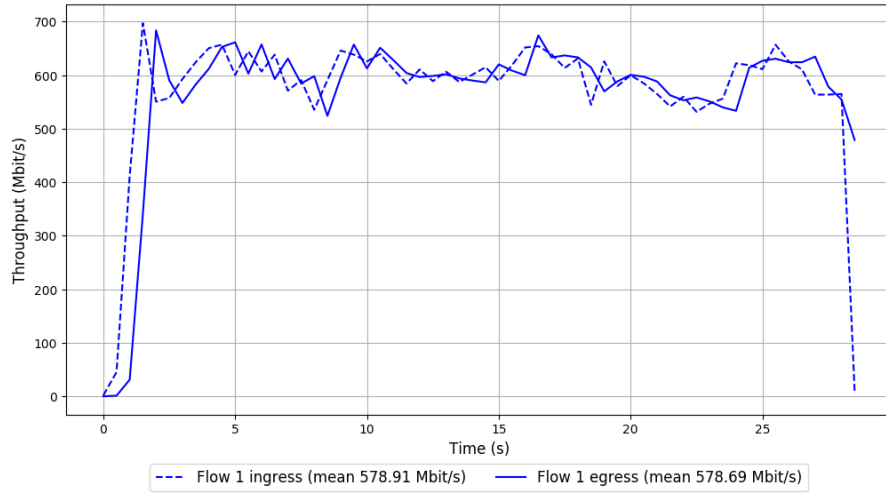
-- Flow 1:

Average throughput: 578.69 Mbit/s

95th percentile per-packet one-way delay: 77.913 ms

Loss rate: 0.48%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-04-24 05:12:54

End at: 2019-04-24 05:13:24

Local clock offset: -0.057 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.42 Mbit/s

95th percentile per-packet one-way delay: 75.272 ms

Loss rate: 0.40%

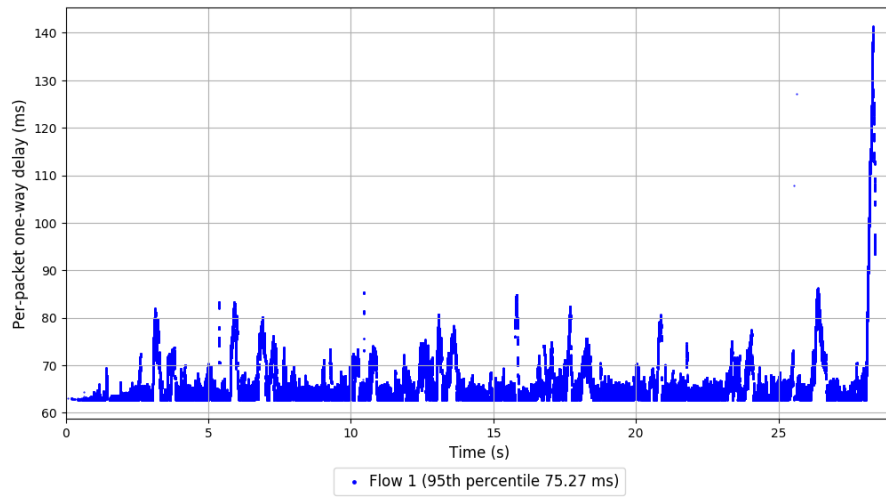
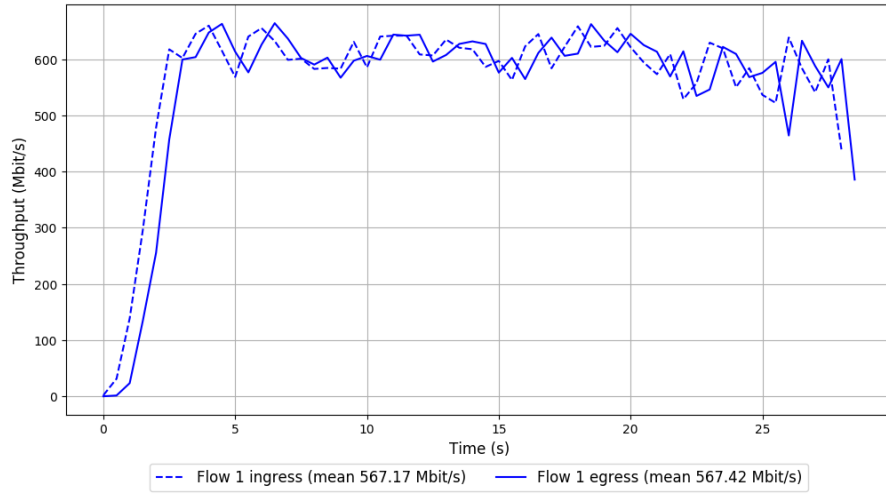
-- Flow 1:

Average throughput: 567.42 Mbit/s

95th percentile per-packet one-way delay: 75.272 ms

Loss rate: 0.40%

Run 3: Report of Indigo-MusesC3 — Data Link

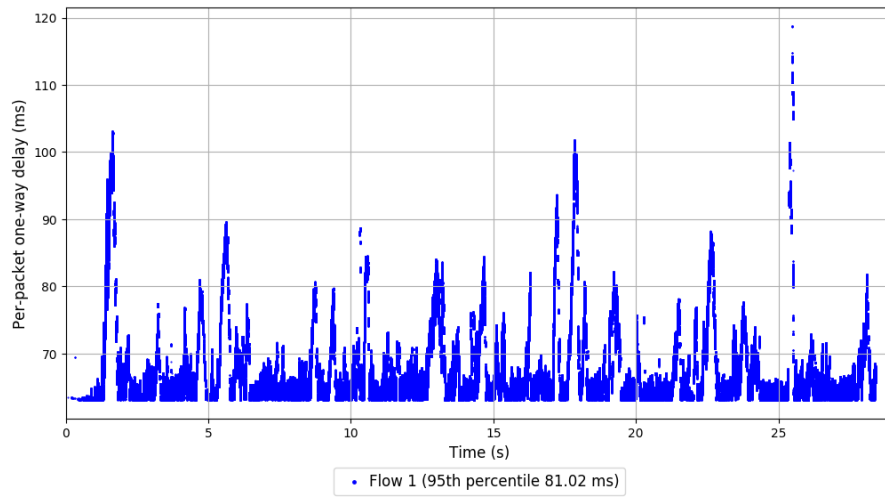
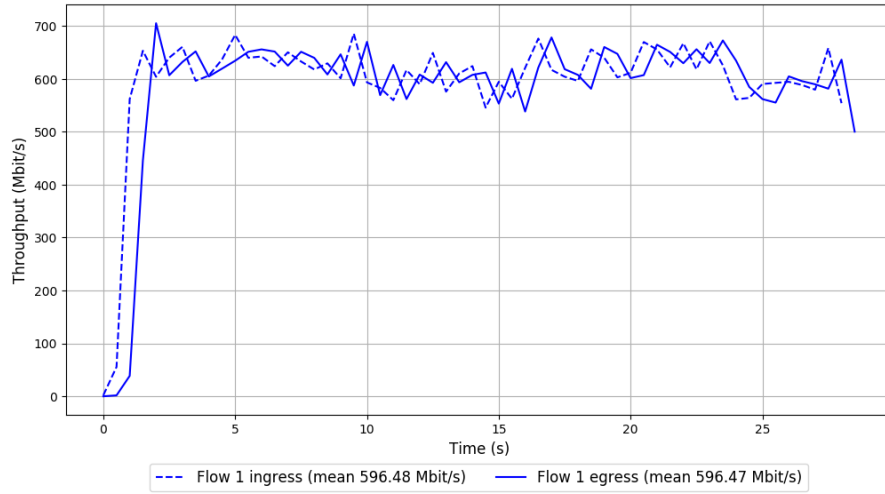


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-04-24 05:43:57
End at: 2019-04-24 05:44:27
Local clock offset: -0.032 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-04-24 07:43:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 596.47 Mbit/s
95th percentile per-packet one-way delay: 81.015 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 596.47 Mbit/s
95th percentile per-packet one-way delay: 81.015 ms
Loss rate: 0.45%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-04-24 06:14:46

End at: 2019-04-24 06:15:16

Local clock offset: -0.032 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2019-04-24 07:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 555.10 Mbit/s

95th percentile per-packet one-way delay: 74.565 ms

Loss rate: 0.52%

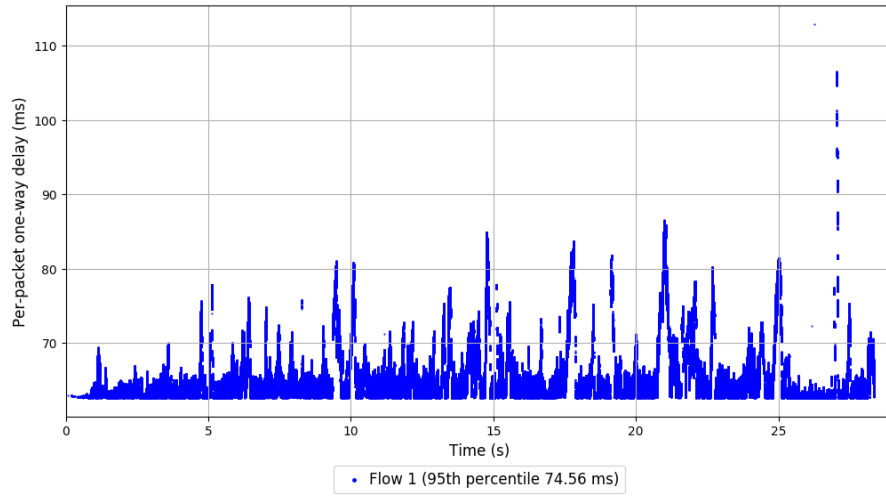
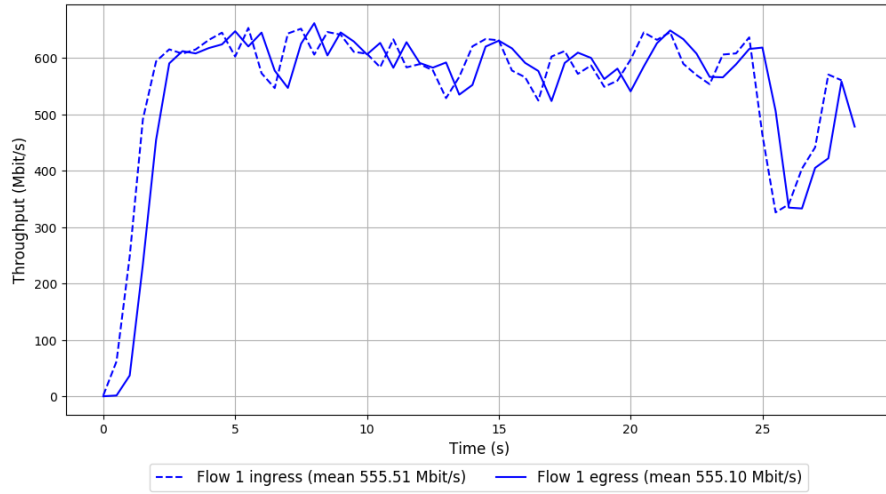
-- Flow 1:

Average throughput: 555.10 Mbit/s

95th percentile per-packet one-way delay: 74.565 ms

Loss rate: 0.52%

Run 5: Report of Indigo-MusesC3 — Data Link

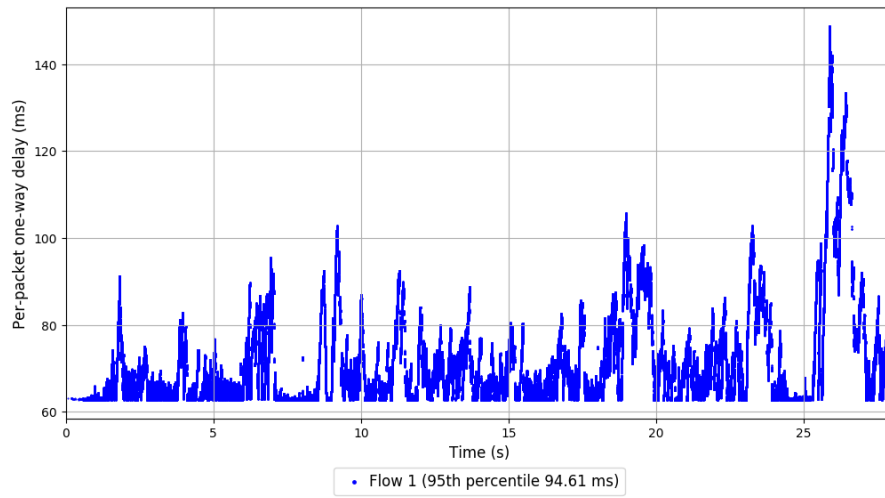
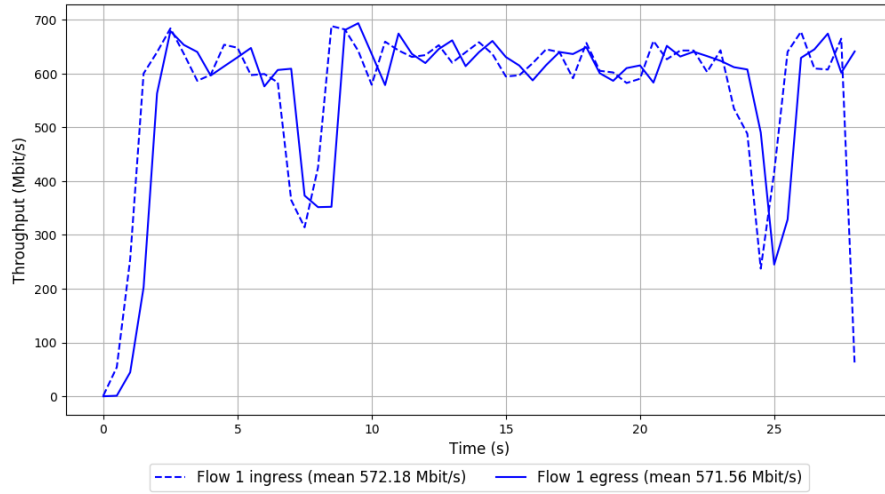


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-04-24 04:22:49
End at: 2019-04-24 04:23:19
Local clock offset: -0.036 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-04-24 07:43:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 571.56 Mbit/s
95th percentile per-packet one-way delay: 94.609 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 571.56 Mbit/s
95th percentile per-packet one-way delay: 94.609 ms
Loss rate: 0.56%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-04-24 04:53:21

End at: 2019-04-24 04:53:51

Local clock offset: -0.079 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-04-24 07:43:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 586.37 Mbit/s

95th percentile per-packet one-way delay: 94.883 ms

Loss rate: 0.59%

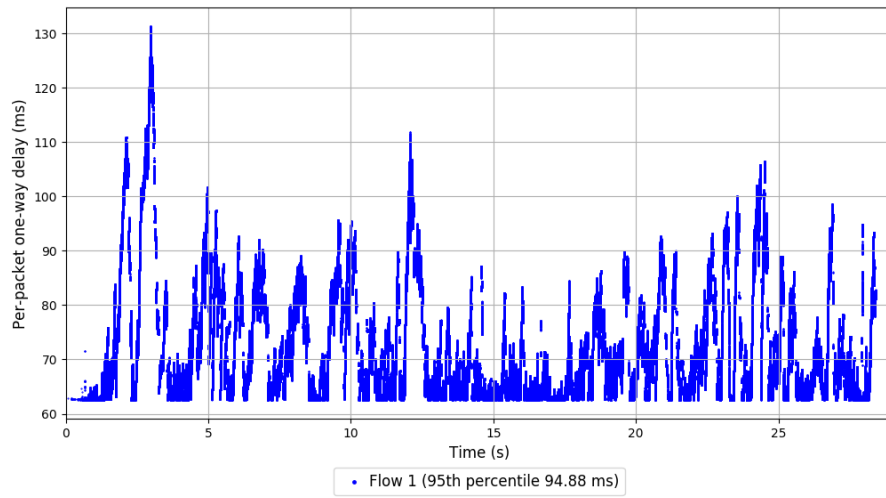
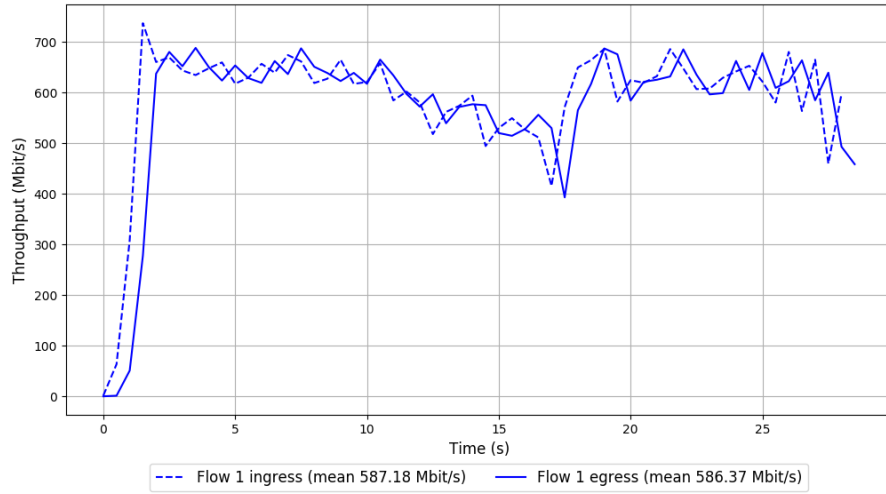
-- Flow 1:

Average throughput: 586.37 Mbit/s

95th percentile per-packet one-way delay: 94.883 ms

Loss rate: 0.59%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-04-24 05:24:04

End at: 2019-04-24 05:24:34

Local clock offset: -0.05 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2019-04-24 07:49:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.84 Mbit/s

95th percentile per-packet one-way delay: 96.976 ms

Loss rate: 0.51%

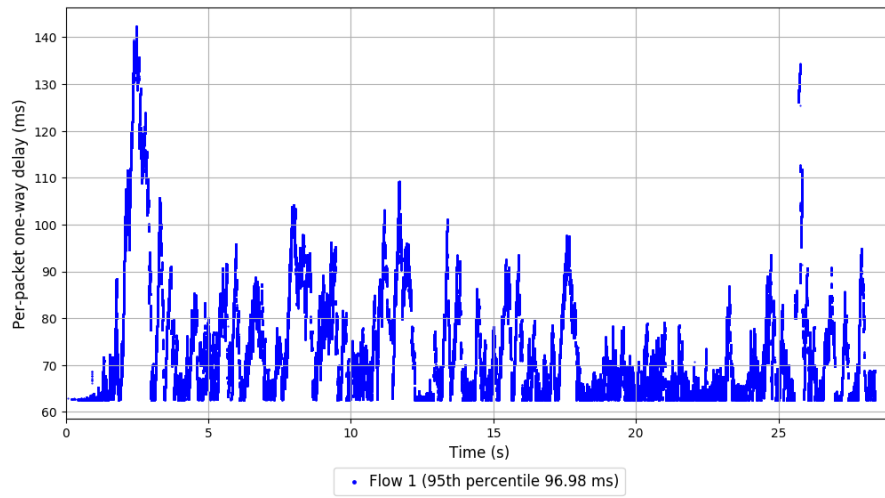
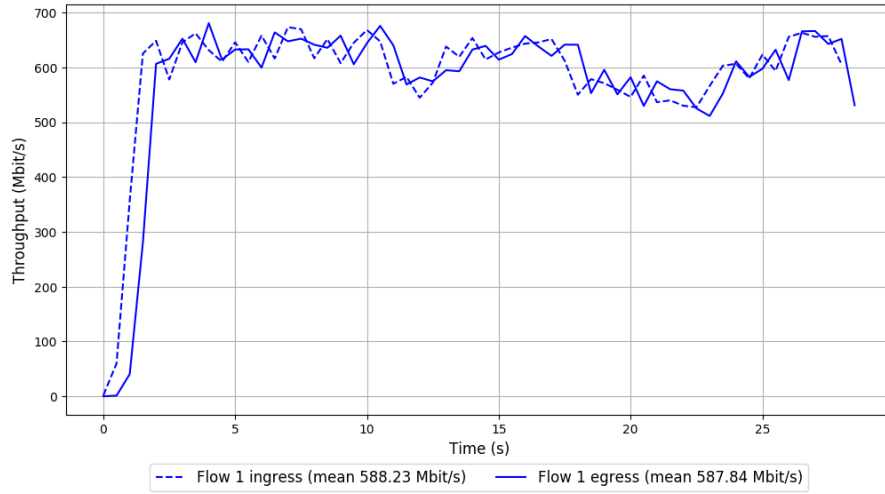
-- Flow 1:

Average throughput: 587.84 Mbit/s

95th percentile per-packet one-way delay: 96.976 ms

Loss rate: 0.51%

Run 3: Report of Indigo-MusesC5 — Data Link

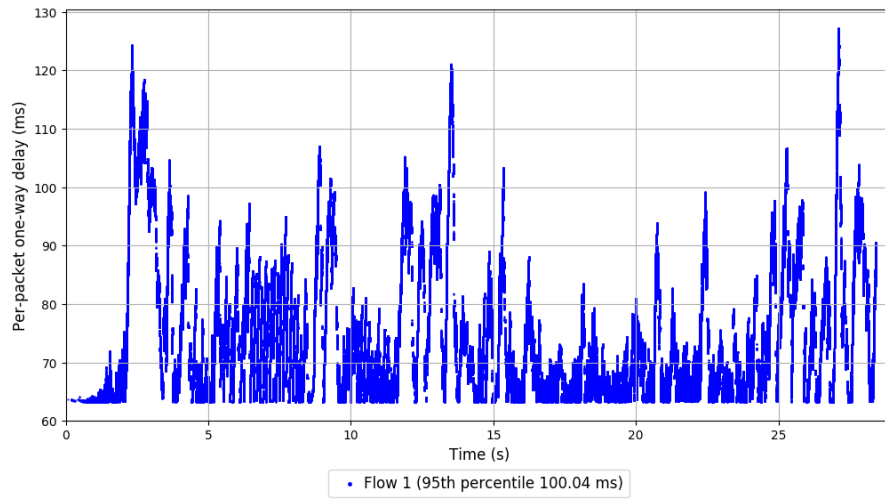
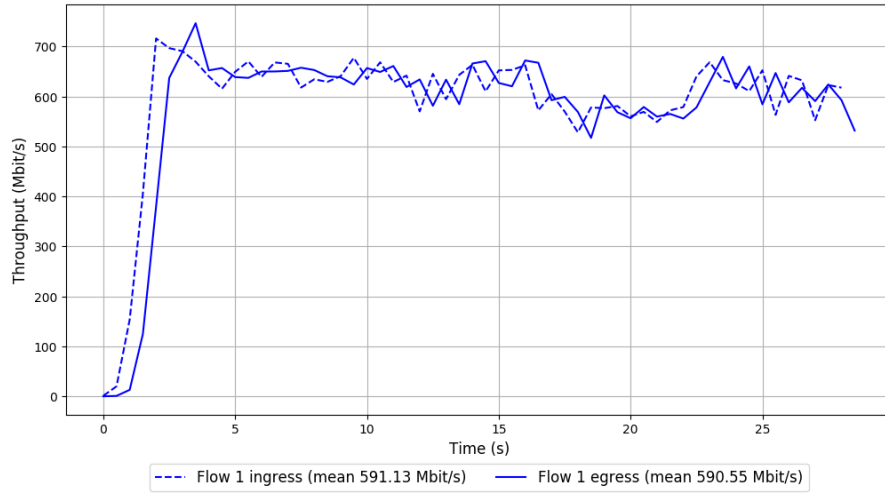


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-04-24 05:54:57
End at: 2019-04-24 05:55:27
Local clock offset: -0.06 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2019-04-24 07:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 590.55 Mbit/s
95th percentile per-packet one-way delay: 100.037 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 590.55 Mbit/s
95th percentile per-packet one-way delay: 100.037 ms
Loss rate: 0.54%

Run 4: Report of Indigo-MusesC5 — Data Link

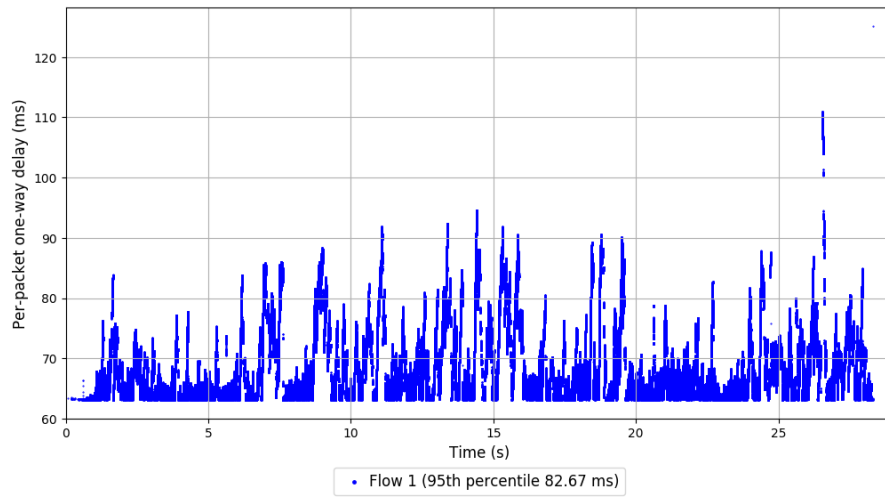
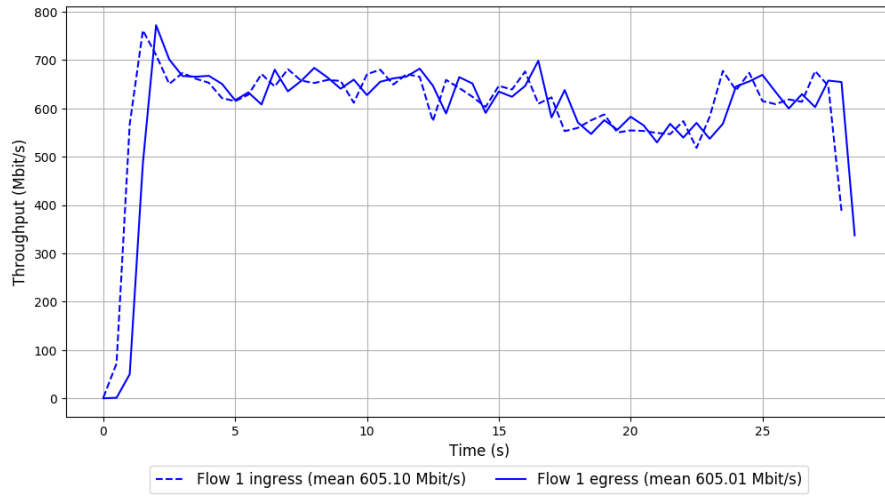


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-04-24 06:25:45
End at: 2019-04-24 06:26:16
Local clock offset: -0.037 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-04-24 07:52:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 605.01 Mbit/s
95th percentile per-packet one-way delay: 82.673 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 605.01 Mbit/s
95th percentile per-packet one-way delay: 82.673 ms
Loss rate: 0.43%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-04-24 04:29:50

End at: 2019-04-24 04:30:20

Local clock offset: 0.012 ms

Remote clock offset: -0.246 ms

Below is generated by plot.py at 2019-04-24 07:52:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.08 Mbit/s

95th percentile per-packet one-way delay: 100.784 ms

Loss rate: 0.47%

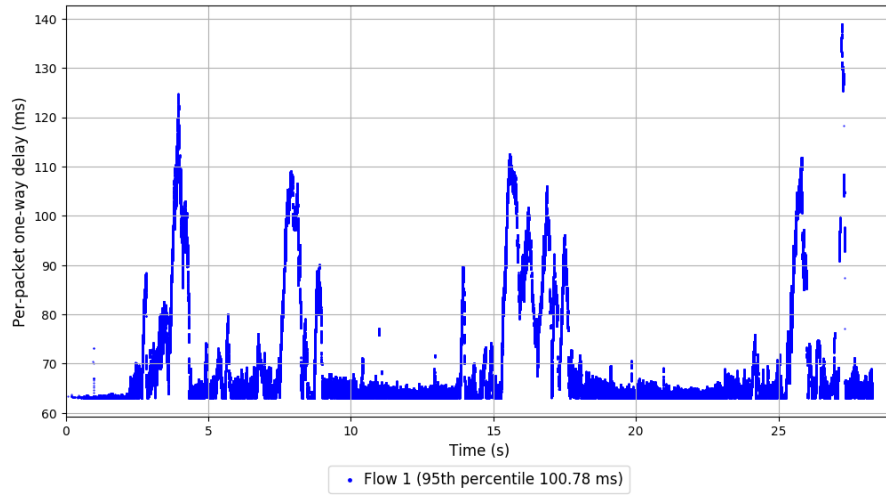
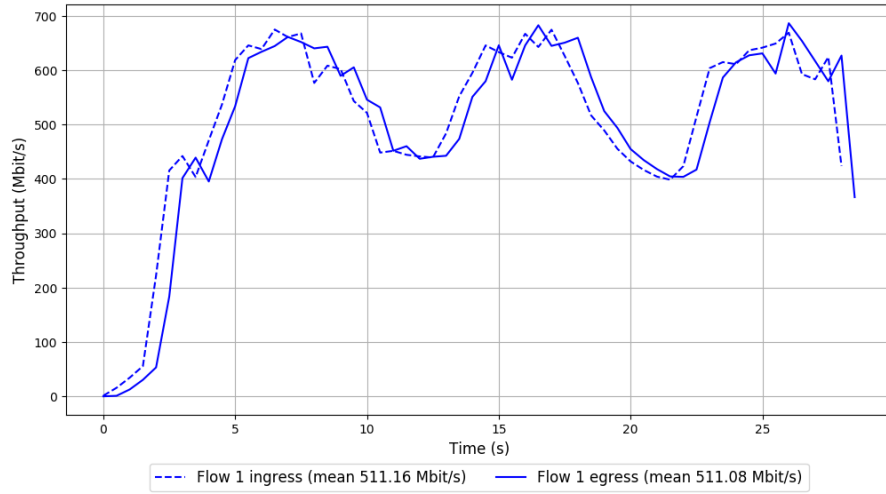
-- Flow 1:

Average throughput: 511.08 Mbit/s

95th percentile per-packet one-way delay: 100.784 ms

Loss rate: 0.47%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-04-24 05:00:31
End at: 2019-04-24 05:01:01
Local clock offset: -0.091 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2019-04-24 07:52:23

Datalink statistics

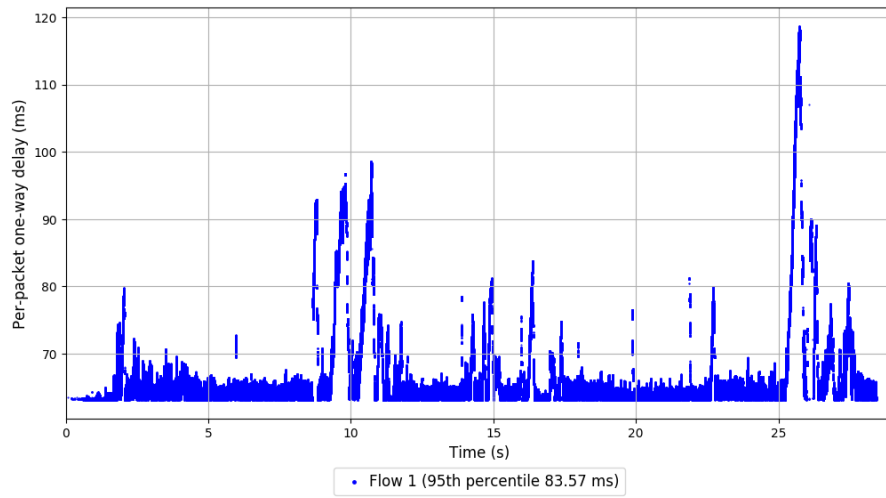
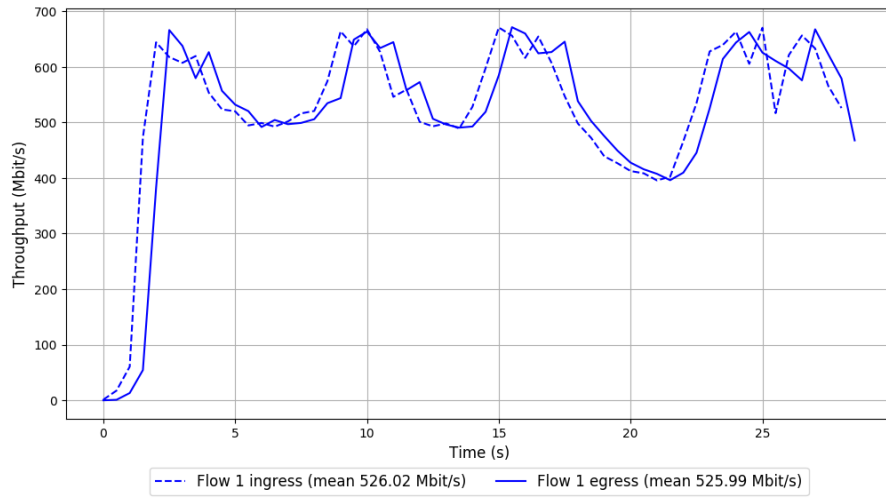
-- Total of 1 flow:

Average throughput: 525.99 Mbit/s
95th percentile per-packet one-way delay: 83.573 ms
Loss rate: 0.44%

-- Flow 1:

Average throughput: 525.99 Mbit/s
95th percentile per-packet one-way delay: 83.573 ms
Loss rate: 0.44%

Run 2: Report of Indigo-MusesD — Data Link

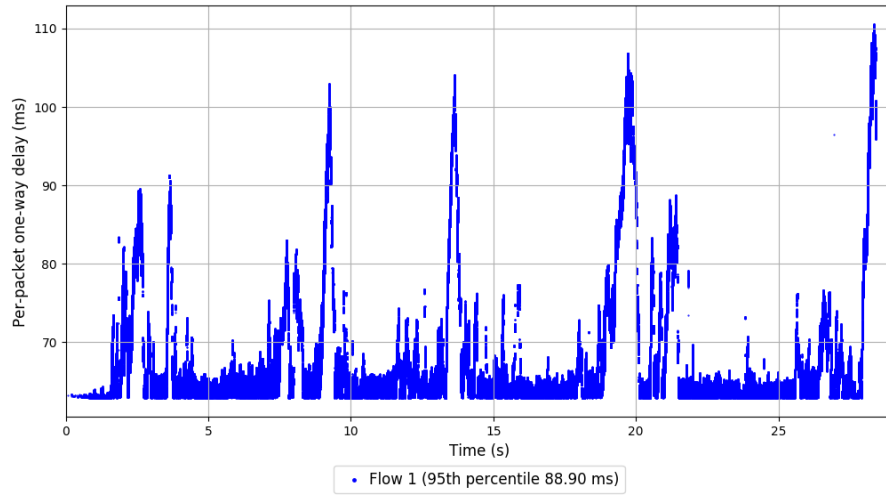
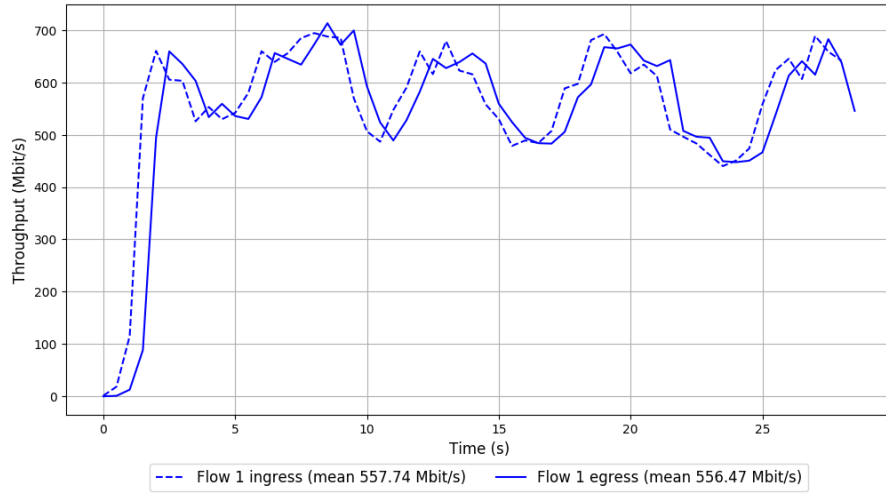


Run 3: Statistics of Indigo-MusesD

Start at: 2019-04-24 05:31:15
End at: 2019-04-24 05:31:45
Local clock offset: -0.019 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-04-24 07:53:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 556.47 Mbit/s
95th percentile per-packet one-way delay: 88.900 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 556.47 Mbit/s
95th percentile per-packet one-way delay: 88.900 ms
Loss rate: 0.67%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-04-24 06:02:04

End at: 2019-04-24 06:02:34

Local clock offset: -0.057 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2019-04-24 07:53:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.99 Mbit/s

95th percentile per-packet one-way delay: 96.867 ms

Loss rate: 0.39%

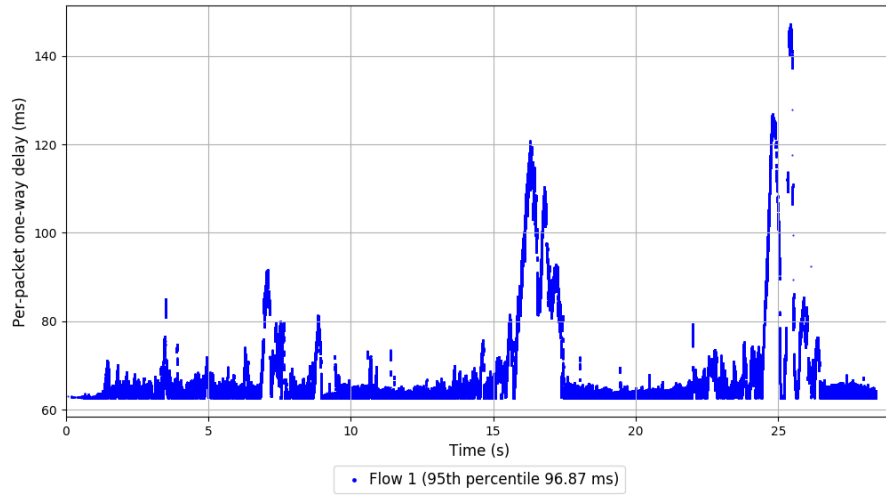
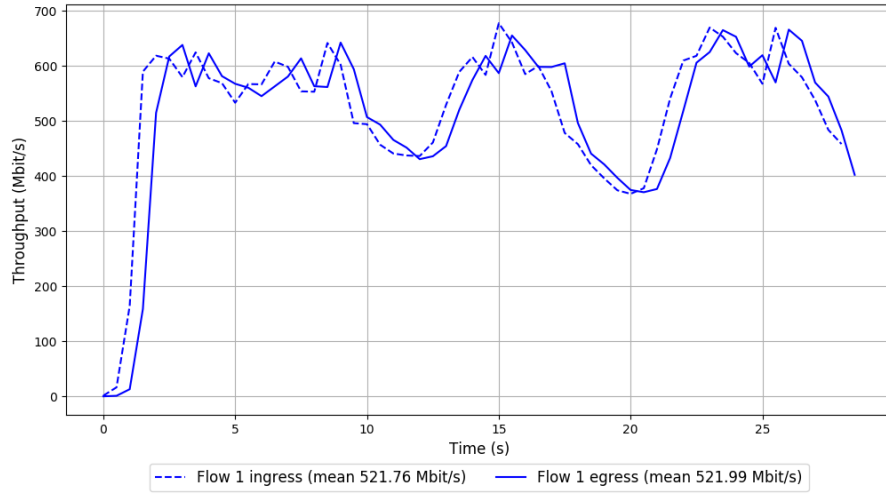
-- Flow 1:

Average throughput: 521.99 Mbit/s

95th percentile per-packet one-way delay: 96.867 ms

Loss rate: 0.39%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-04-24 06:32:46

End at: 2019-04-24 06:33:16

Local clock offset: -0.065 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-04-24 07:53:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.66 Mbit/s

95th percentile per-packet one-way delay: 87.172 ms

Loss rate: 0.40%

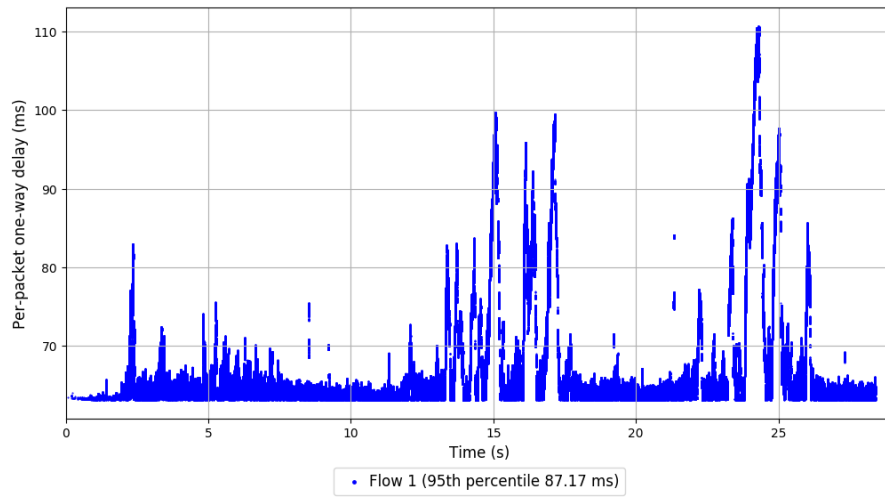
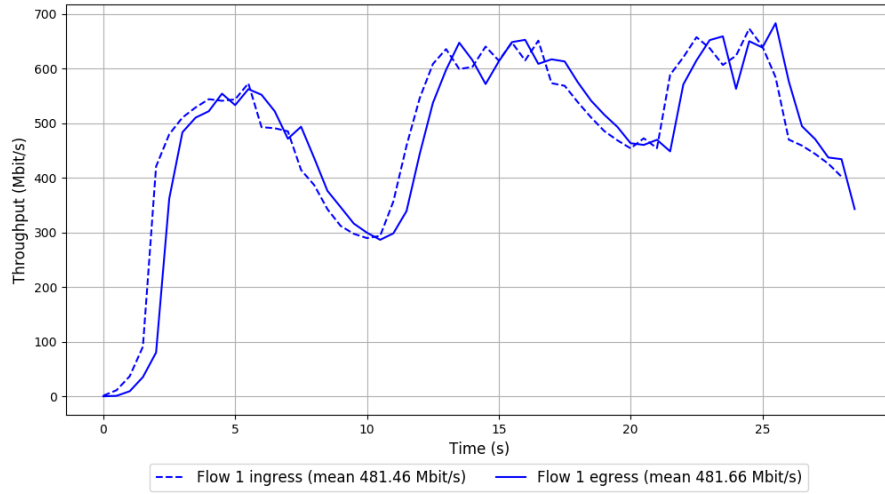
-- Flow 1:

Average throughput: 481.66 Mbit/s

95th percentile per-packet one-way delay: 87.172 ms

Loss rate: 0.40%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

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

End at: 2019-04-24 04:16:54

Local clock offset: 0.002 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-04-24 08:00:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 634.01 Mbit/s

95th percentile per-packet one-way delay: 117.678 ms

Loss rate: 0.53%

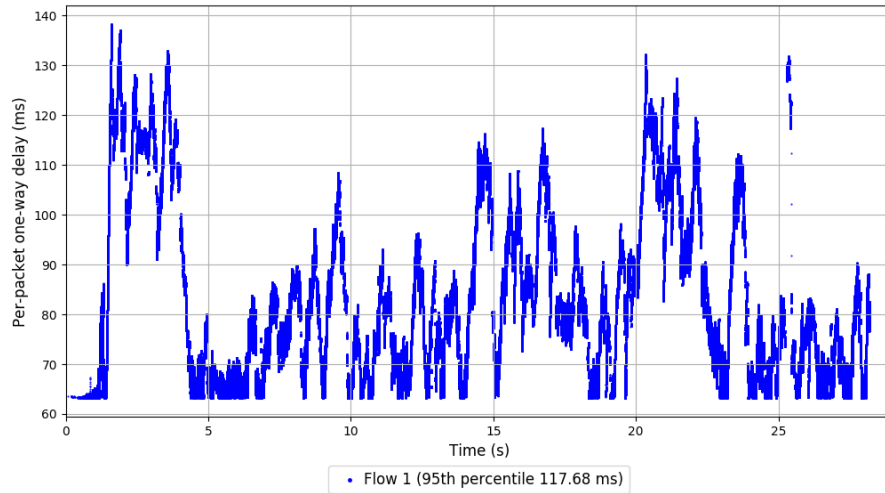
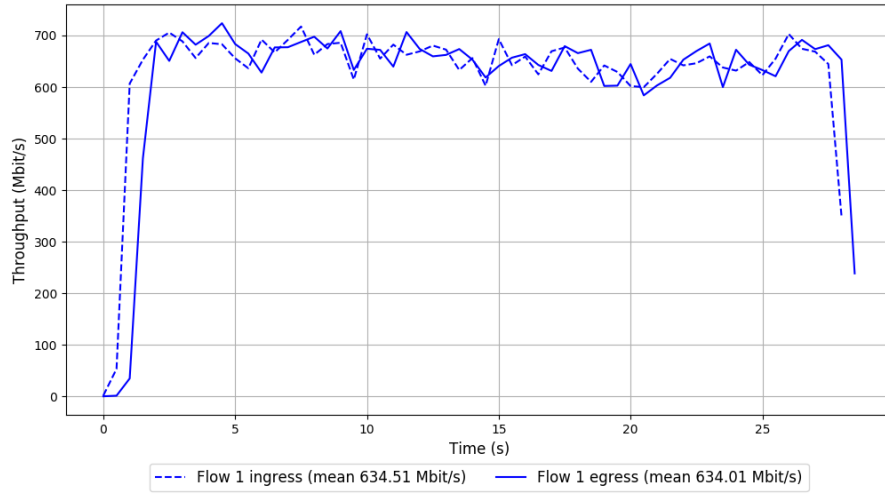
-- Flow 1:

Average throughput: 634.01 Mbit/s

95th percentile per-packet one-way delay: 117.678 ms

Loss rate: 0.53%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-04-24 04:46:56

End at: 2019-04-24 04:47:26

Local clock offset: -0.059 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2019-04-24 08:00:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.74 Mbit/s

95th percentile per-packet one-way delay: 124.882 ms

Loss rate: 0.61%

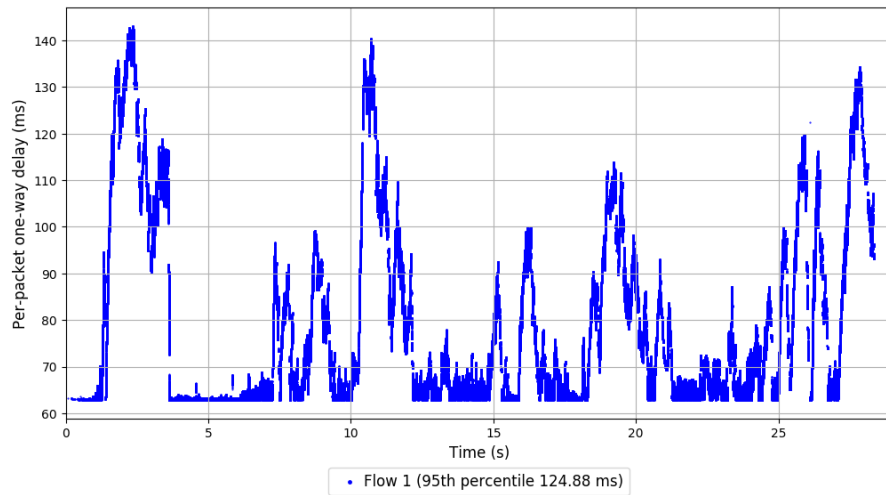
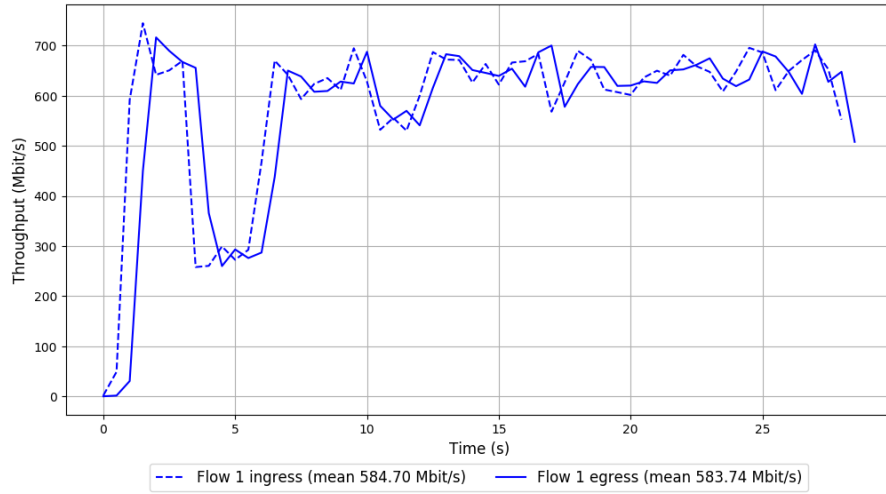
-- Flow 1:

Average throughput: 583.74 Mbit/s

95th percentile per-packet one-way delay: 124.882 ms

Loss rate: 0.61%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-04-24 05:17:32

End at: 2019-04-24 05:18:02

Local clock offset: -0.06 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2019-04-24 08:01:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.82 Mbit/s

95th percentile per-packet one-way delay: 124.431 ms

Loss rate: 0.58%

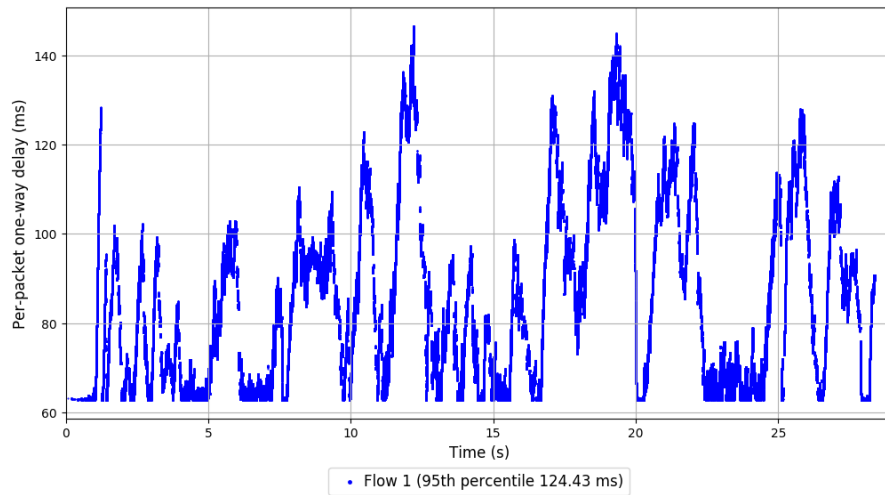
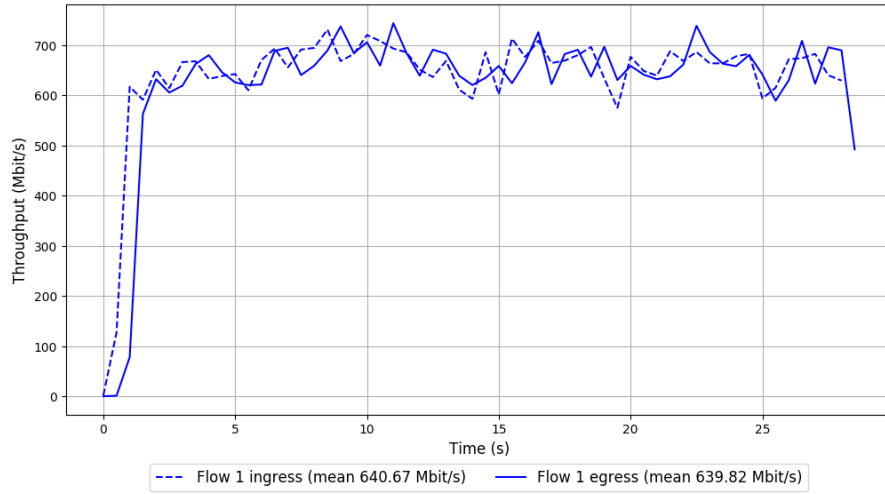
-- Flow 1:

Average throughput: 639.82 Mbit/s

95th percentile per-packet one-way delay: 124.431 ms

Loss rate: 0.58%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-04-24 05:48:33

End at: 2019-04-24 05:49:03

Local clock offset: -0.06 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-04-24 08:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.31 Mbit/s

95th percentile per-packet one-way delay: 111.921 ms

Loss rate: 0.59%

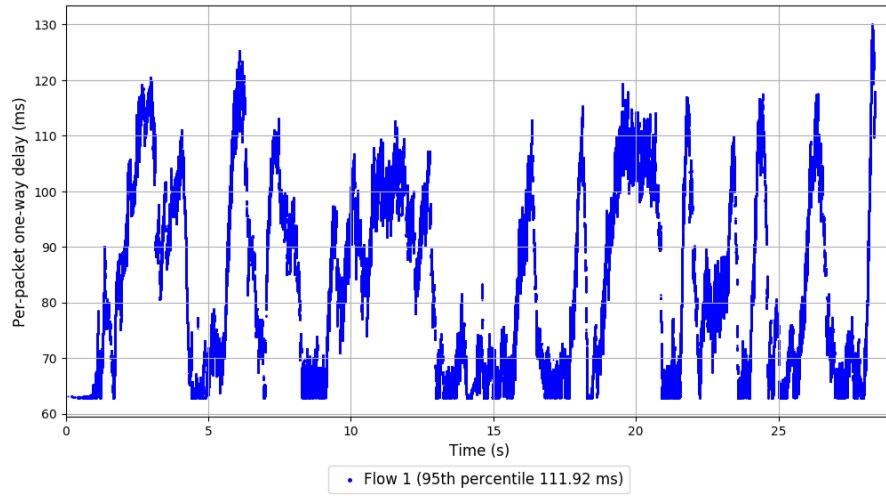
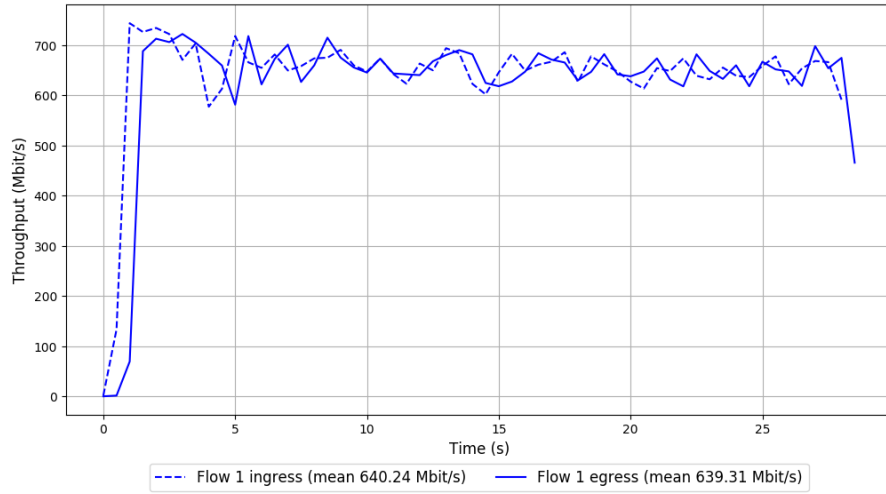
-- Flow 1:

Average throughput: 639.31 Mbit/s

95th percentile per-packet one-way delay: 111.921 ms

Loss rate: 0.59%

Run 4: Report of Indigo-MusesT — Data Link

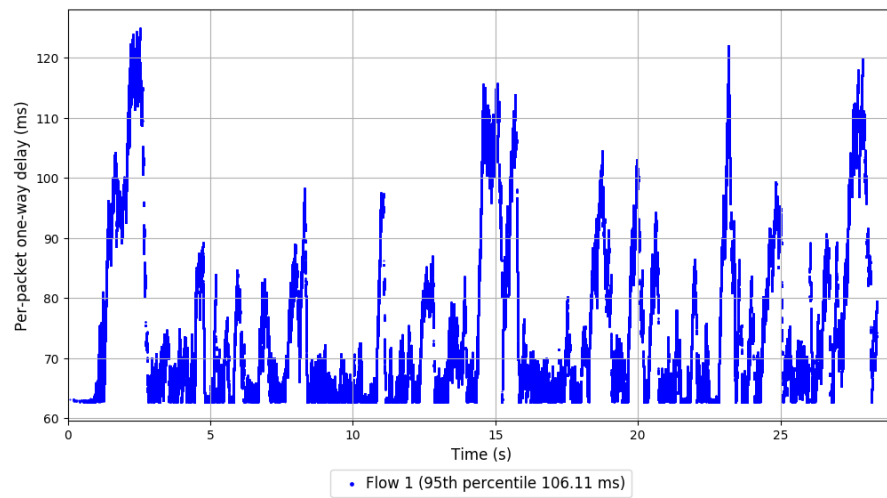
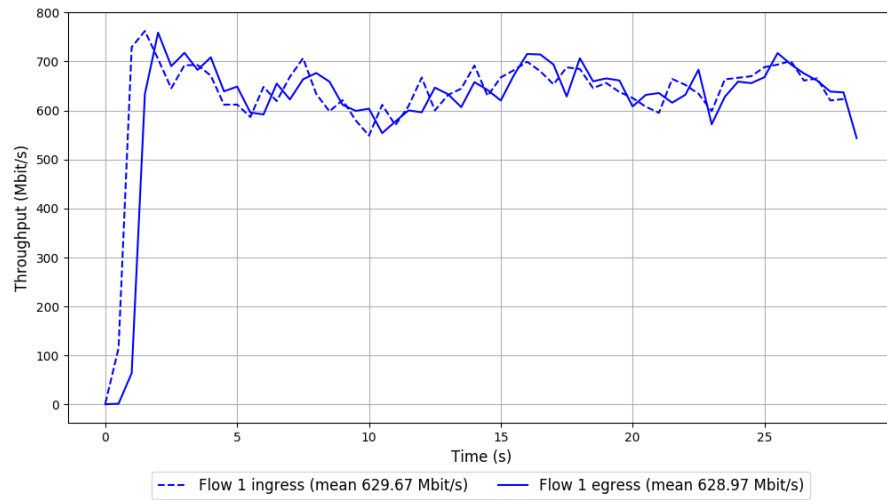


Run 5: Statistics of Indigo-MuseST

Start at: 2019-04-24 06:19:19
End at: 2019-04-24 06:19:49
Local clock offset: -0.051 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-04-24 08:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 628.97 Mbit/s
95th percentile per-packet one-way delay: 106.112 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 628.97 Mbit/s
95th percentile per-packet one-way delay: 106.112 ms
Loss rate: 0.56%

Run 5: Report of Indigo-MusesT — Data Link

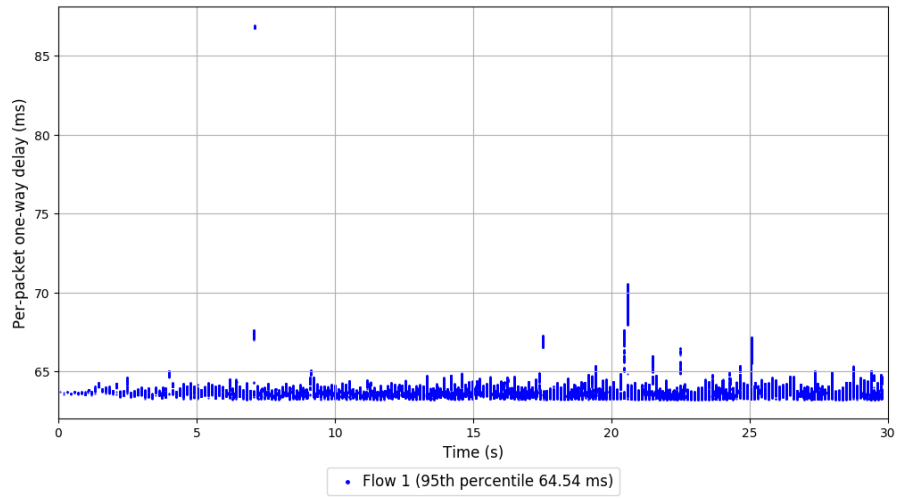
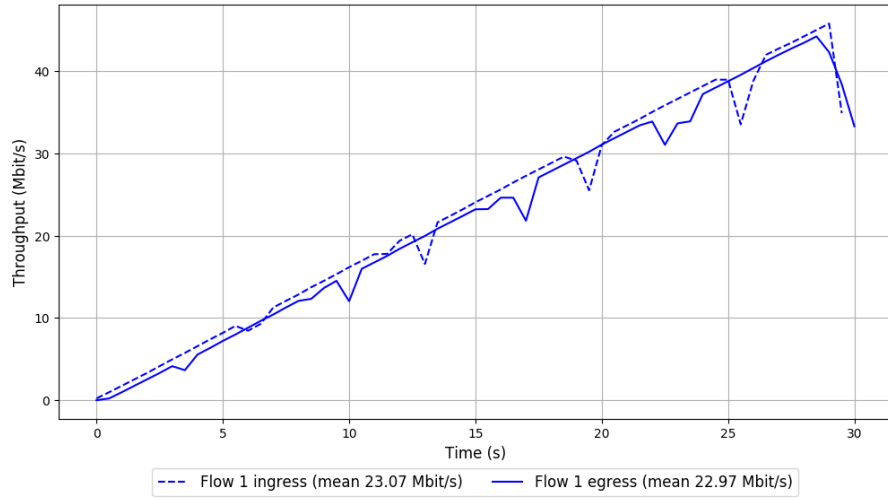


Run 1: Statistics of LEDBAT

Start at: 2019-04-24 04:06:22
End at: 2019-04-24 04:06:52
Local clock offset: -0.043 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2019-04-24 08:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 64.538 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 64.538 ms
Loss rate: 0.85%

Run 1: Report of LEDBAT — Data Link

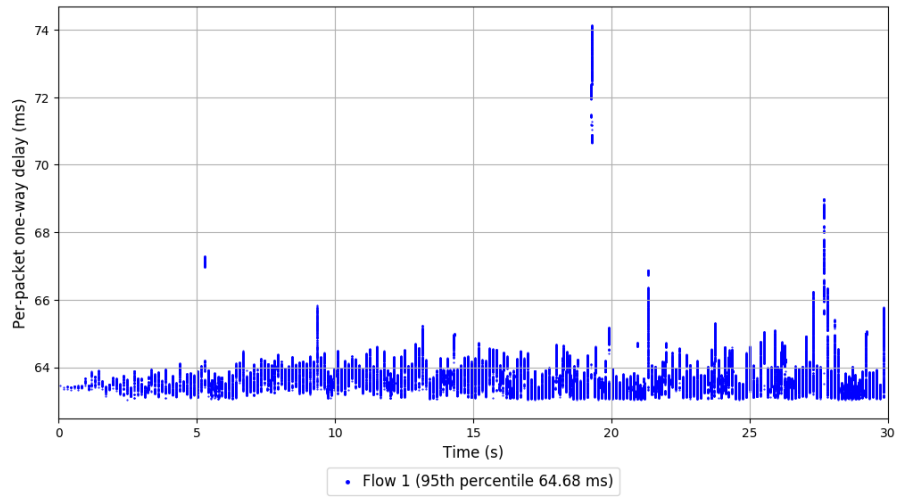
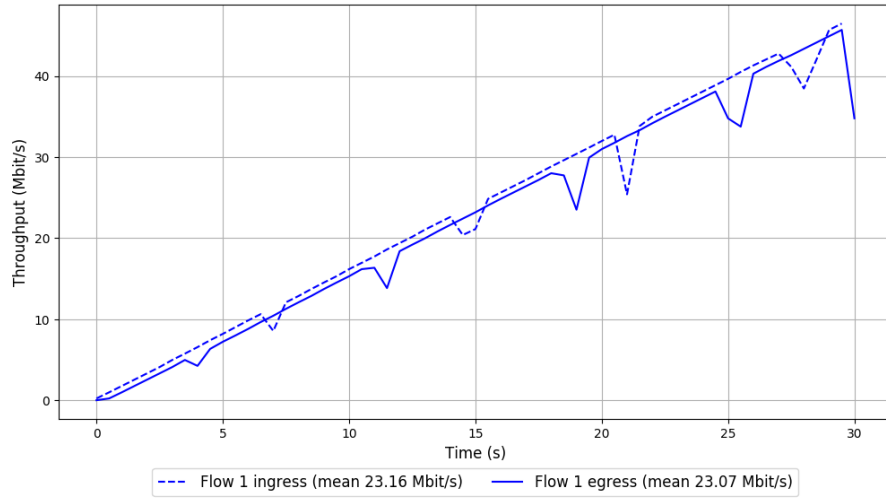


Run 2: Statistics of LEDBAT

Start at: 2019-04-24 04:36:52
End at: 2019-04-24 04:37:22
Local clock offset: -0.041 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2019-04-24 08:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 64.679 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 64.679 ms
Loss rate: 0.84%

Run 2: Report of LEDBAT — Data Link

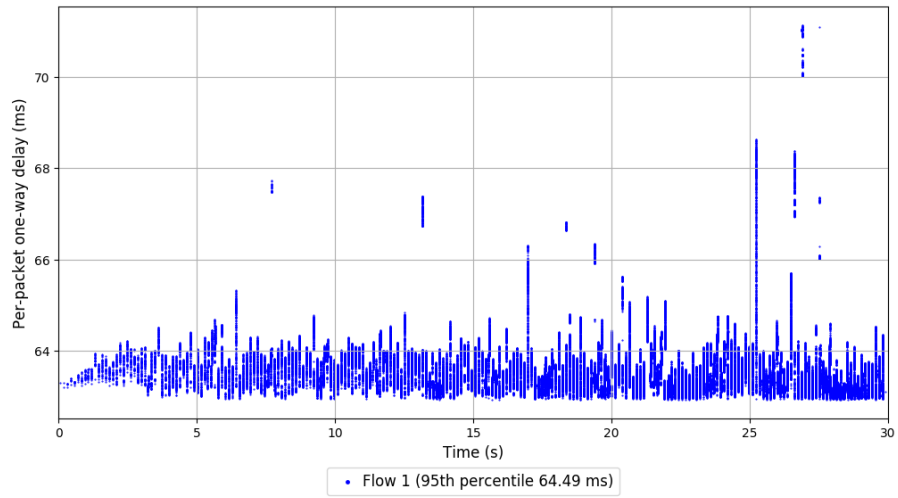
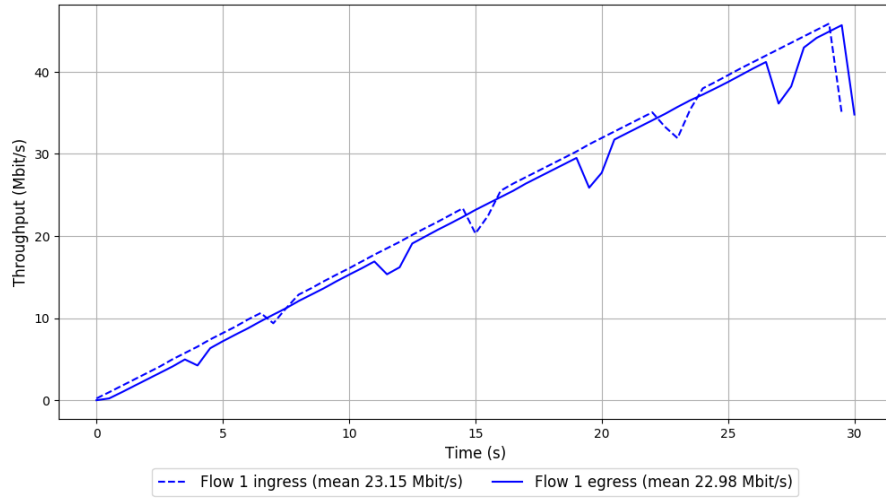


Run 3: Statistics of LEDBAT

Start at: 2019-04-24 05:07:12
End at: 2019-04-24 05:07:42
Local clock offset: -0.064 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2019-04-24 08:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 64.488 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 64.488 ms
Loss rate: 0.84%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-04-24 05:38:21

End at: 2019-04-24 05:38:51

Local clock offset: -0.035 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2019-04-24 08:02:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 63.886 ms

Loss rate: 0.83%

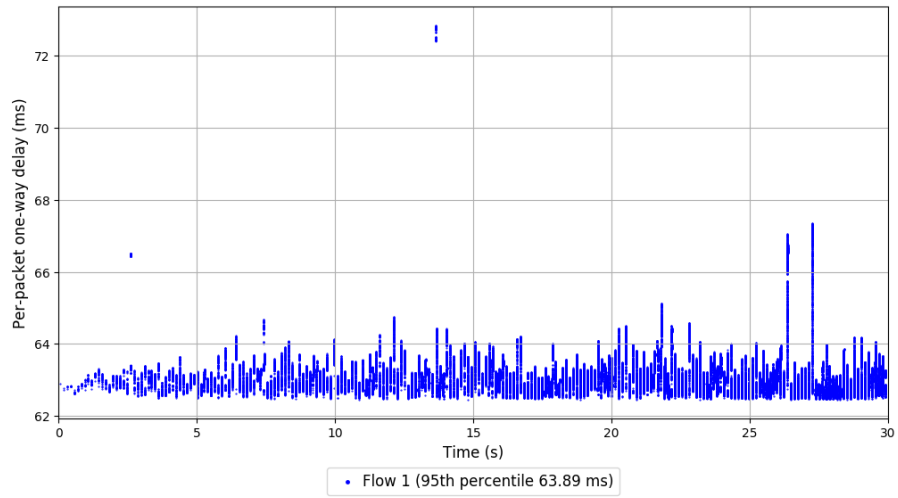
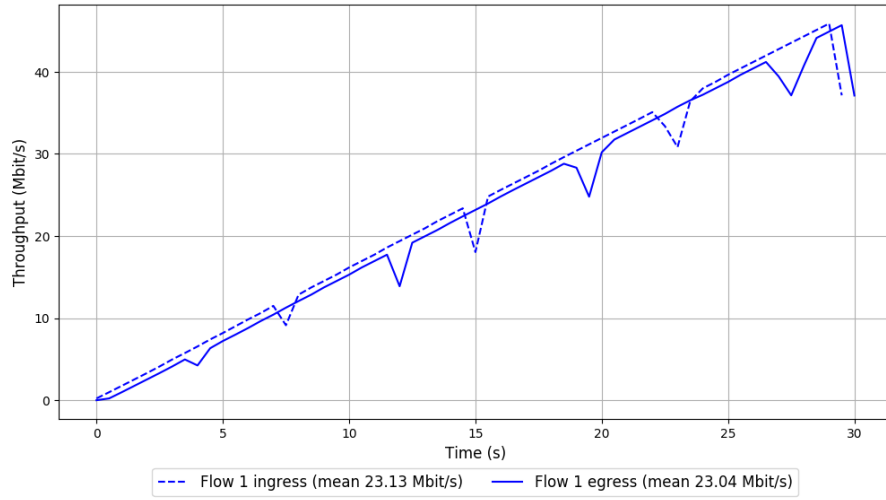
-- Flow 1:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 63.886 ms

Loss rate: 0.83%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-04-24 06:09:06

End at: 2019-04-24 06:09:36

Local clock offset: -0.04 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2019-04-24 08:02:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 64.120 ms

Loss rate: 0.84%

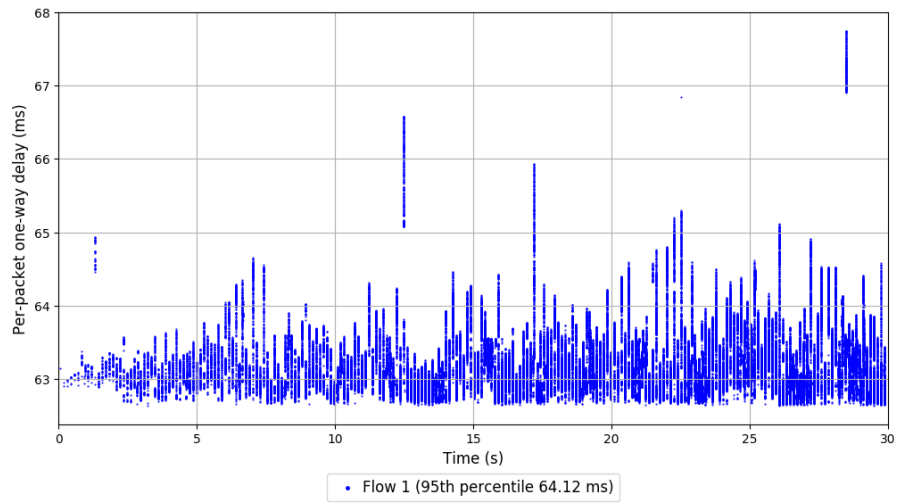
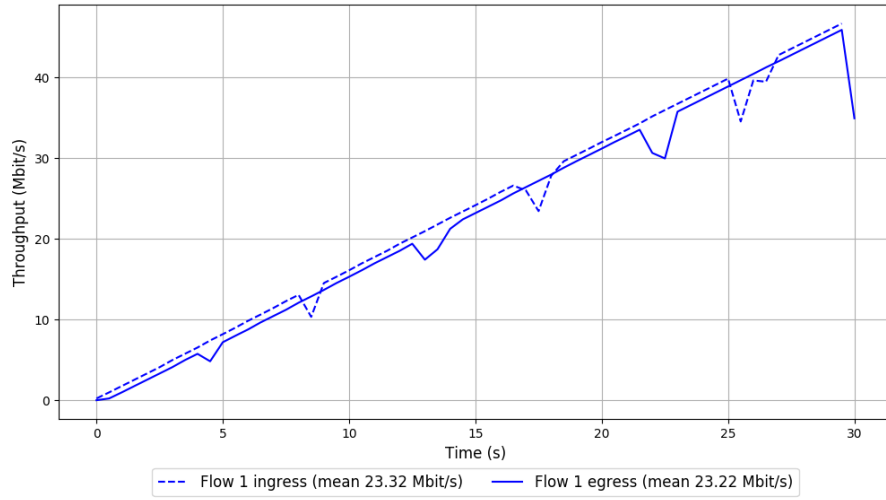
-- Flow 1:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 64.120 ms

Loss rate: 0.84%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-04-24 04:28:17

End at: 2019-04-24 04:28:47

Local clock offset: -0.009 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-04-24 08:06:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.55 Mbit/s

95th percentile per-packet one-way delay: 95.642 ms

Loss rate: 0.49%

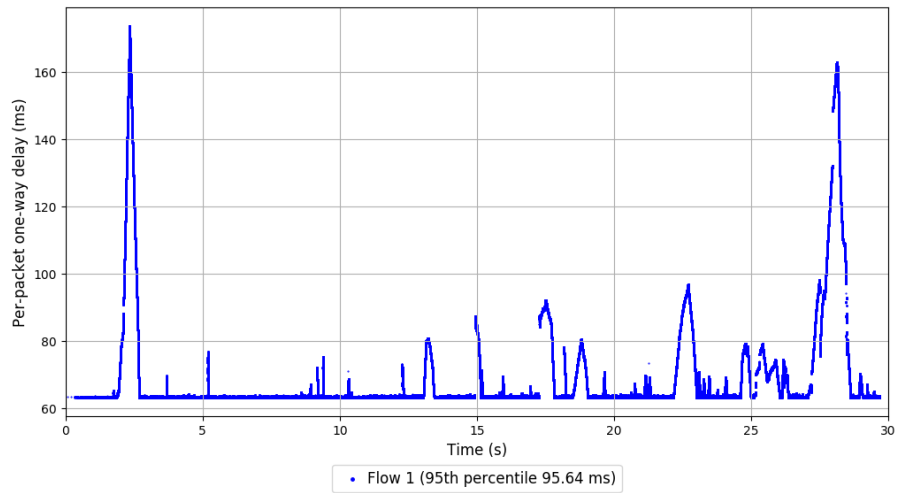
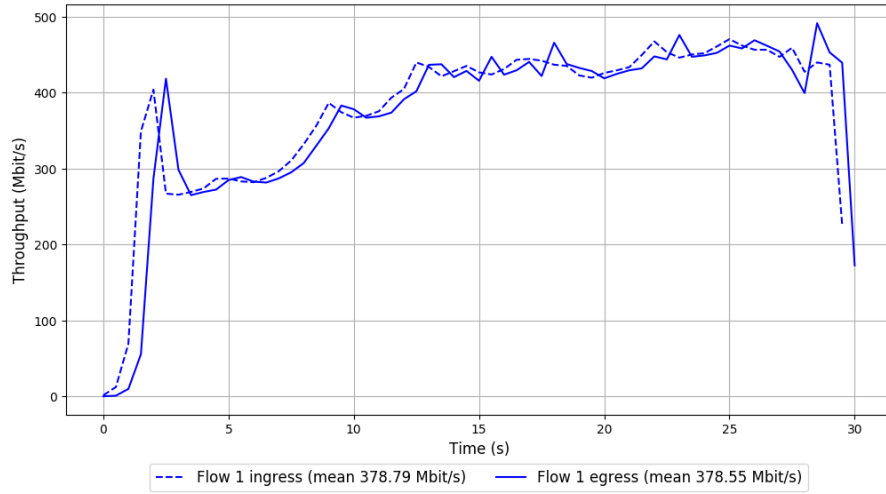
-- Flow 1:

Average throughput: 378.55 Mbit/s

95th percentile per-packet one-way delay: 95.642 ms

Loss rate: 0.49%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-04-24 04:58:56
End at: 2019-04-24 04:59:26
Local clock offset: -0.102 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-04-24 08:07:03

Datalink statistics

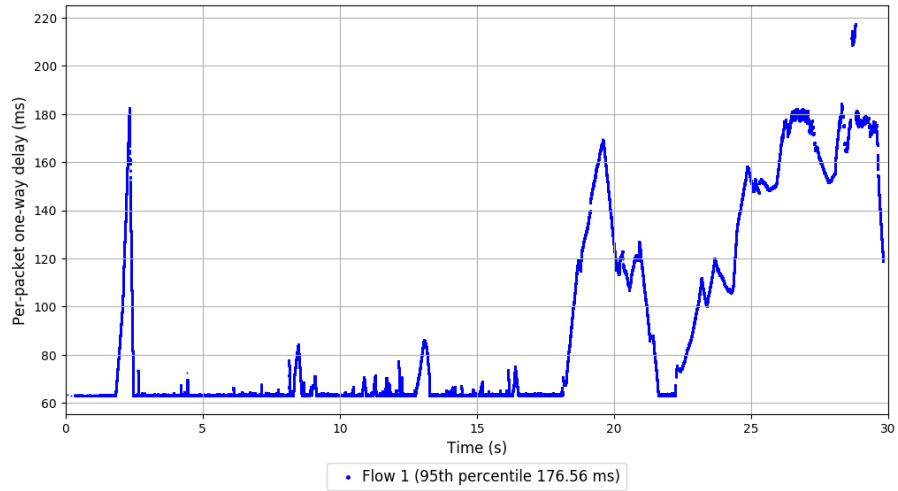
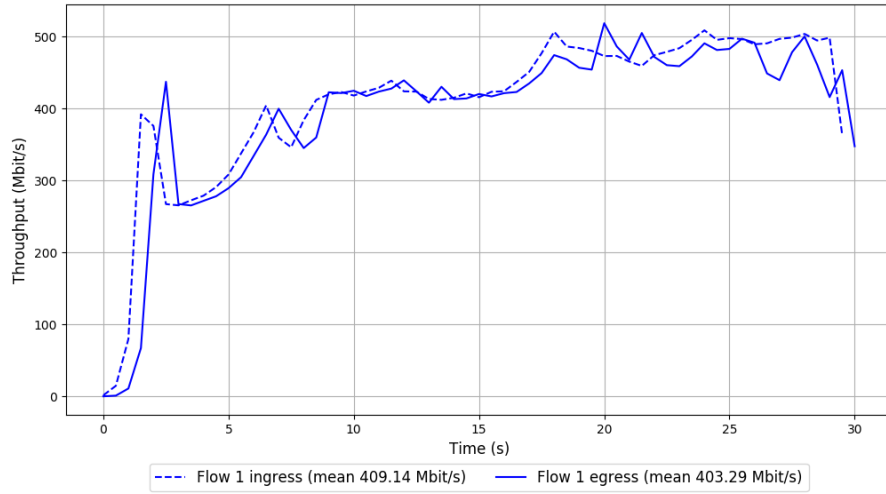
-- Total of 1 flow:

Average throughput: 403.29 Mbit/s
95th percentile per-packet one-way delay: 176.563 ms
Loss rate: 1.85%

-- Flow 1:

Average throughput: 403.29 Mbit/s
95th percentile per-packet one-way delay: 176.563 ms
Loss rate: 1.85%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-04-24 05:29:38

End at: 2019-04-24 05:30:08

Local clock offset: -0.04 ms

Remote clock offset: -0.844 ms

Below is generated by plot.py at 2019-04-24 08:10:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.21 Mbit/s

95th percentile per-packet one-way delay: 182.504 ms

Loss rate: 5.38%

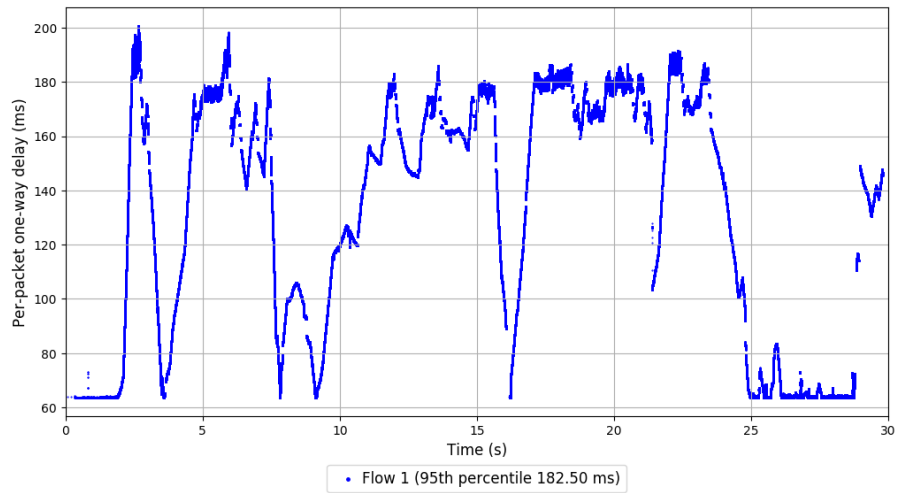
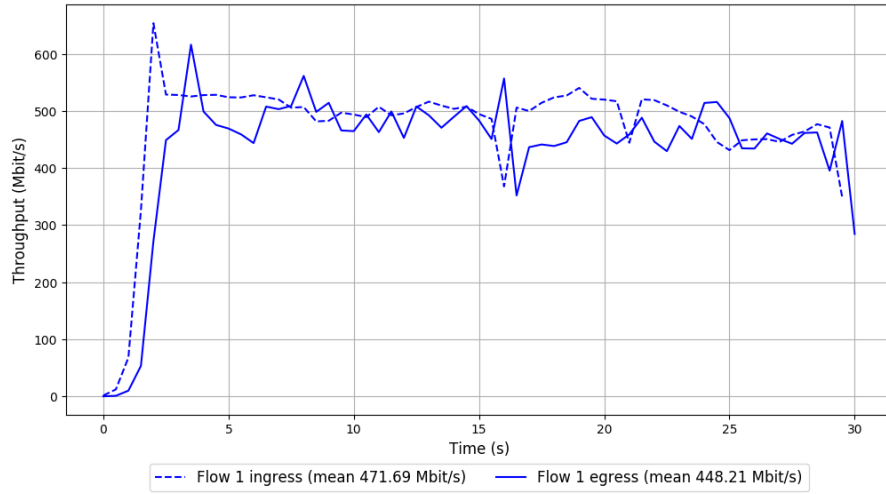
-- Flow 1:

Average throughput: 448.21 Mbit/s

95th percentile per-packet one-way delay: 182.504 ms

Loss rate: 5.38%

Run 3: Report of PCC-Allegro — Data Link

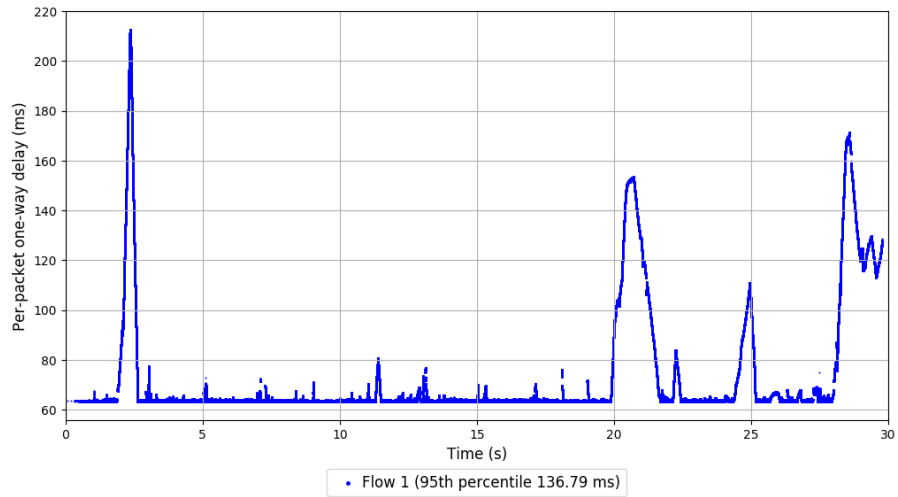
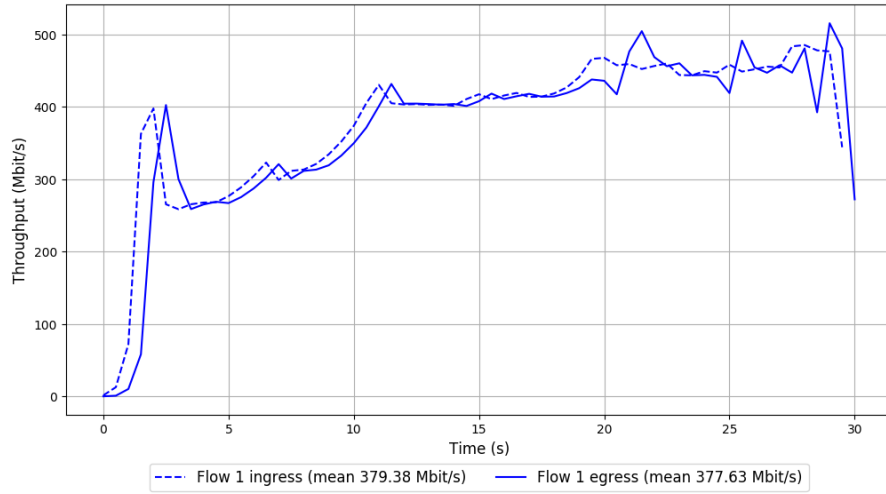


Run 4: Statistics of PCC-Allegro

Start at: 2019-04-24 06:00:31
End at: 2019-04-24 06:01:01
Local clock offset: -0.026 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-04-24 08:13:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.63 Mbit/s
95th percentile per-packet one-way delay: 136.795 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 377.63 Mbit/s
95th percentile per-packet one-way delay: 136.795 ms
Loss rate: 0.88%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-04-24 06:31:15

End at: 2019-04-24 06:31:45

Local clock offset: -0.07 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-04-24 08:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.40 Mbit/s

95th percentile per-packet one-way delay: 205.932 ms

Loss rate: 6.57%

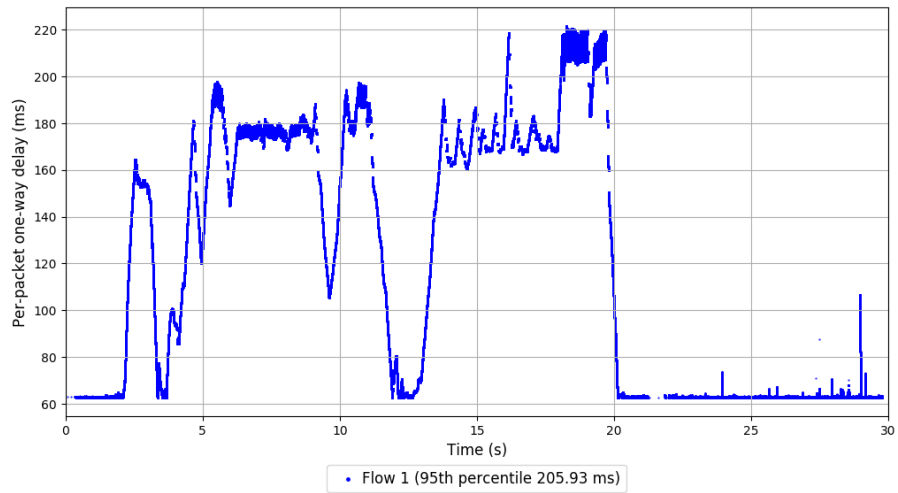
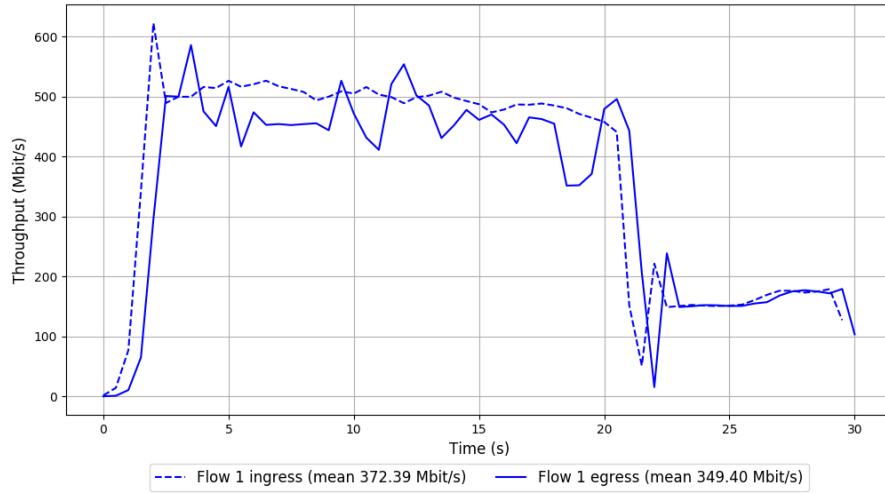
-- Flow 1:

Average throughput: 349.40 Mbit/s

95th percentile per-packet one-way delay: 205.932 ms

Loss rate: 6.57%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-04-24 04:26:40

End at: 2019-04-24 04:27:10

Local clock offset: 0.012 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-04-24 08:13:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.91 Mbit/s

95th percentile per-packet one-way delay: 168.295 ms

Loss rate: 3.64%

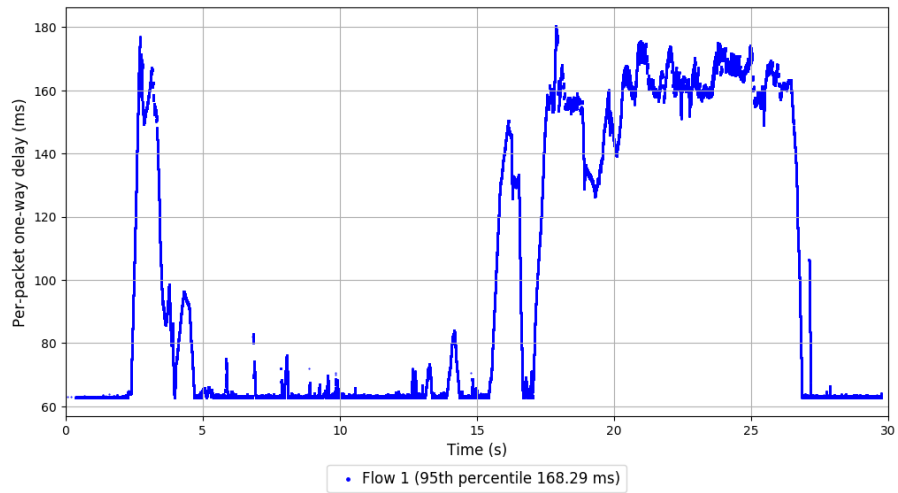
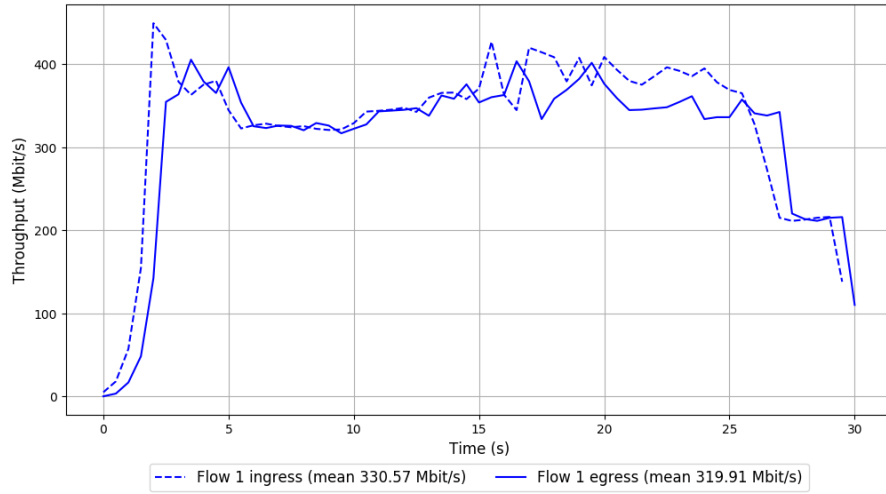
-- Flow 1:

Average throughput: 319.91 Mbit/s

95th percentile per-packet one-way delay: 168.295 ms

Loss rate: 3.64%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-04-24 04:57:17
End at: 2019-04-24 04:57:47
Local clock offset: -0.053 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2019-04-24 08:13:28

Datalink statistics

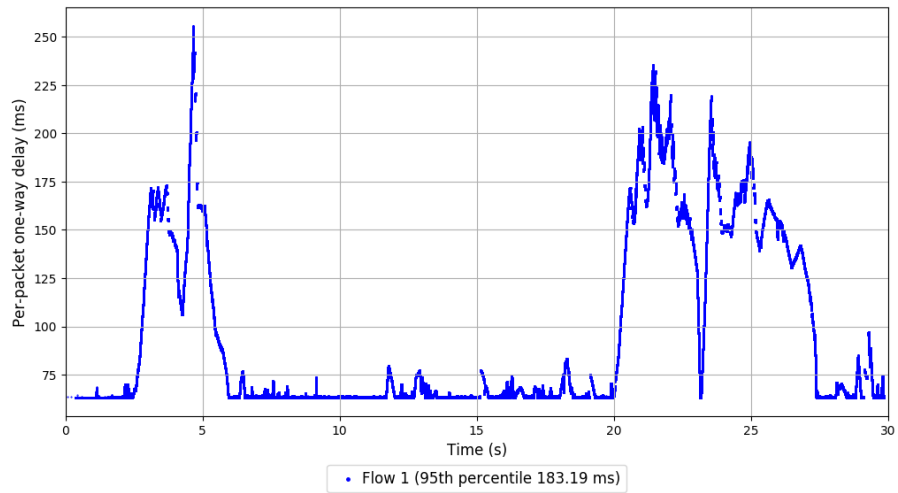
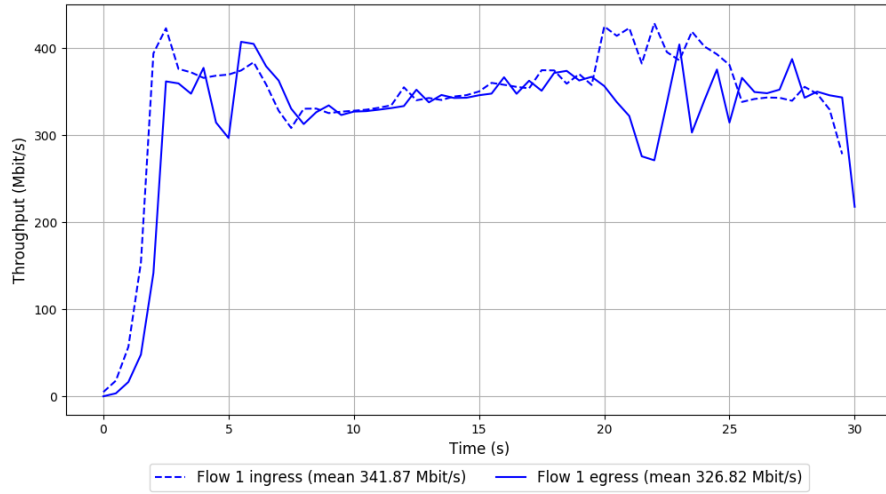
-- Total of 1 flow:

Average throughput: 326.82 Mbit/s
95th percentile per-packet one-way delay: 183.186 ms
Loss rate: 4.81%

-- Flow 1:

Average throughput: 326.82 Mbit/s
95th percentile per-packet one-way delay: 183.186 ms
Loss rate: 4.81%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-04-24 05:28:01

End at: 2019-04-24 05:28:31

Local clock offset: -0.035 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2019-04-24 08:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.34 Mbit/s

95th percentile per-packet one-way delay: 156.548 ms

Loss rate: 1.35%

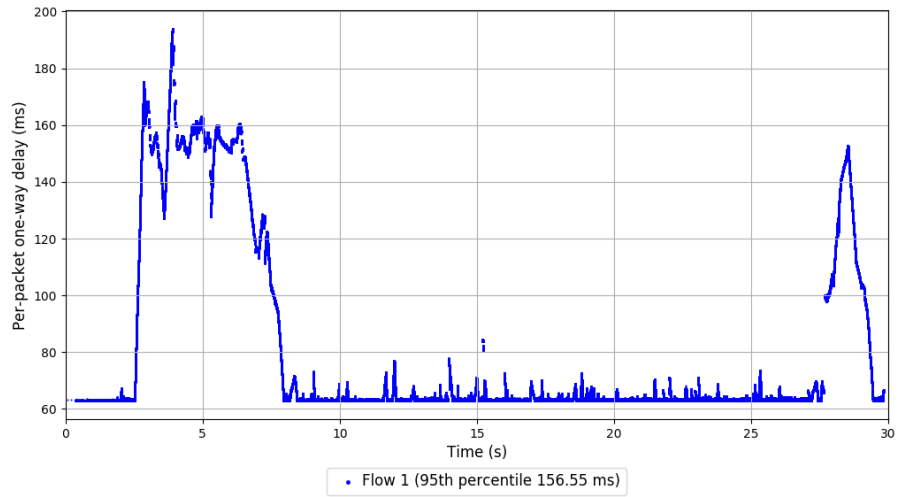
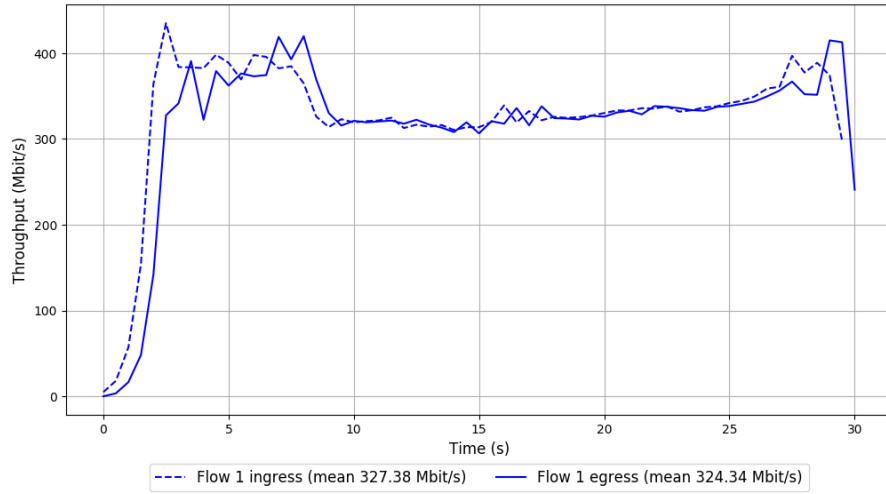
-- Flow 1:

Average throughput: 324.34 Mbit/s

95th percentile per-packet one-way delay: 156.548 ms

Loss rate: 1.35%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-04-24 05:58:54
End at: 2019-04-24 05:59:24
Local clock offset: -0.046 ms
Remote clock offset: -0.713 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

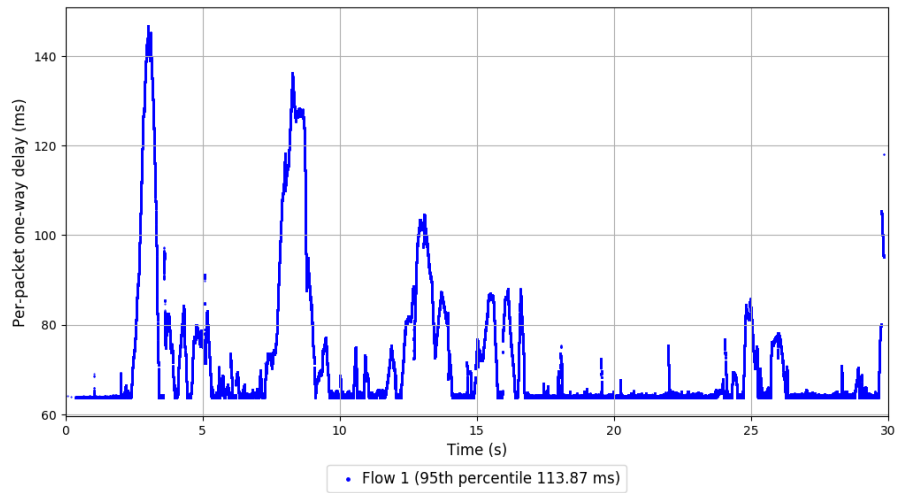
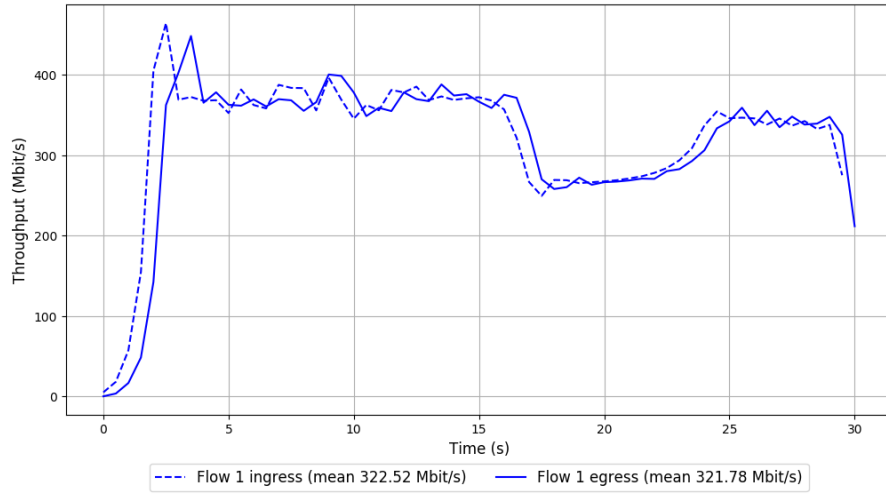
-- Total of 1 flow:

Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 113.871 ms
Loss rate: 0.59%

-- Flow 1:

Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 113.871 ms
Loss rate: 0.59%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-04-24 06:29:42

End at: 2019-04-24 06:30:12

Local clock offset: -0.065 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.42 Mbit/s

95th percentile per-packet one-way delay: 121.542 ms

Loss rate: 1.08%

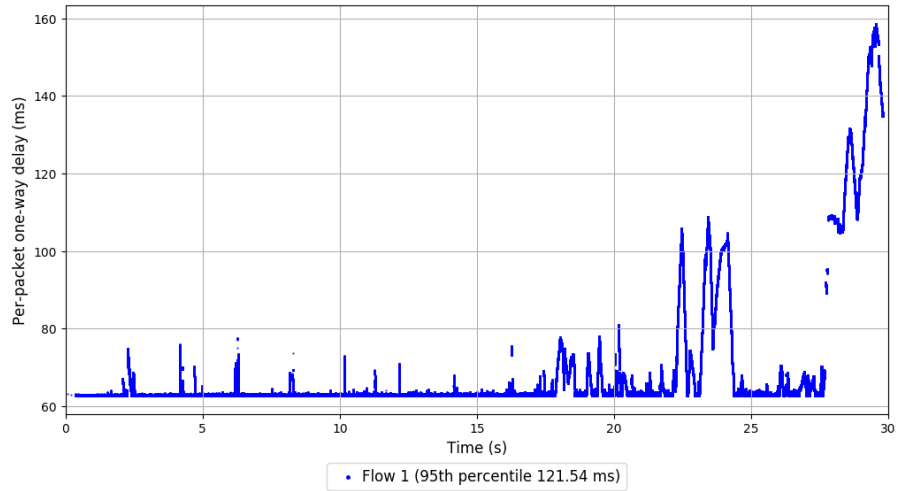
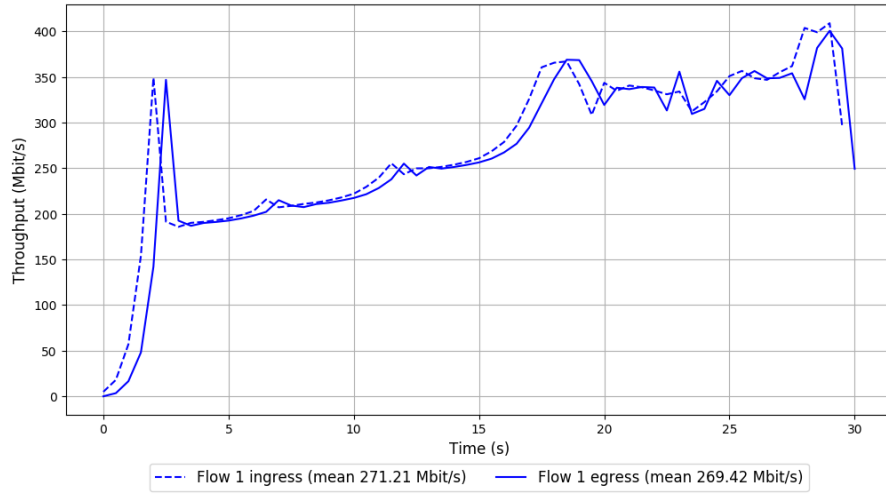
-- Flow 1:

Average throughput: 269.42 Mbit/s

95th percentile per-packet one-way delay: 121.542 ms

Loss rate: 1.08%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

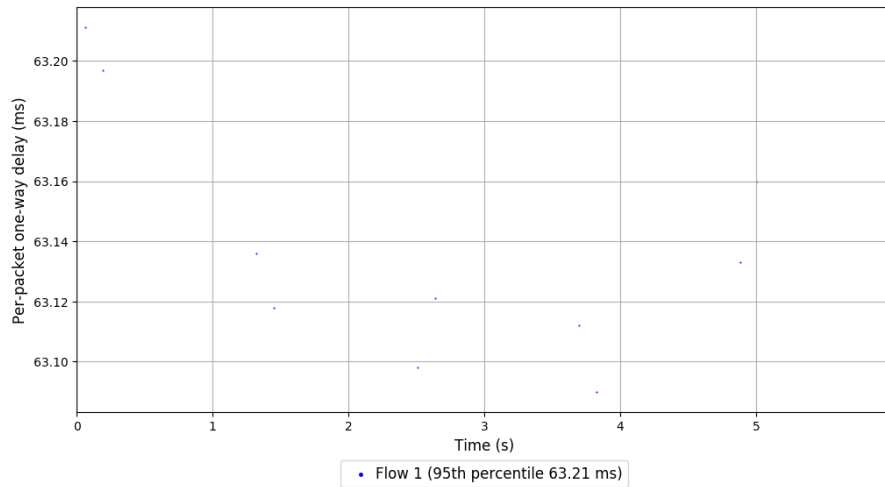
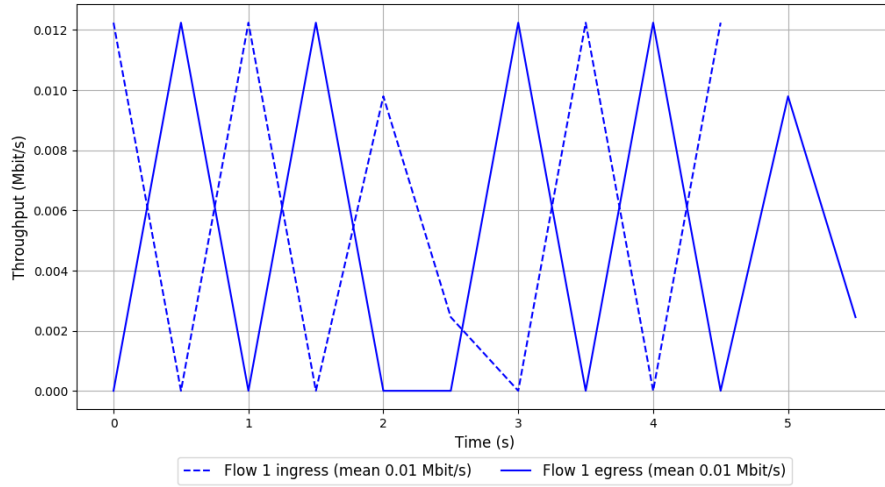
Start at: 2019-04-24 04:24:23

End at: 2019-04-24 04:24:53

Local clock offset: 0.0 ms

Remote clock offset: -0.029 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-04-24 04:54:57

End at: 2019-04-24 04:55:27

Local clock offset: -0.072 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 62.799 ms

Loss rate: 0.63%

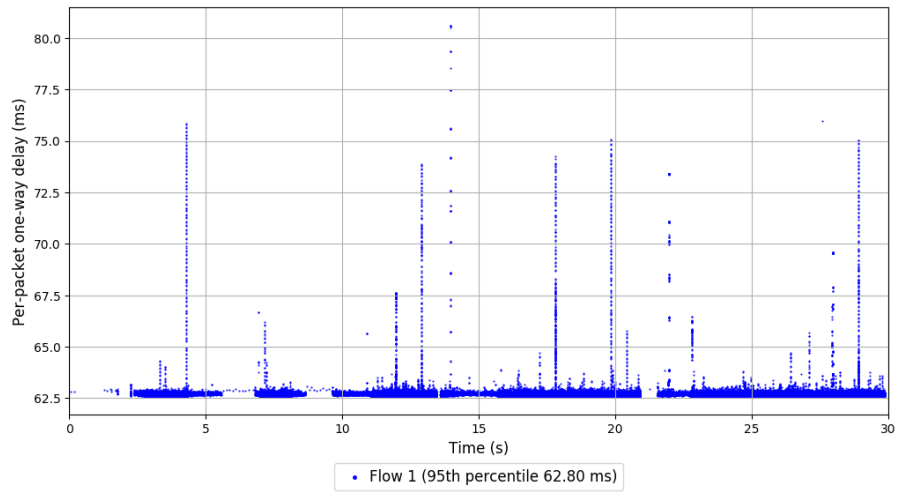
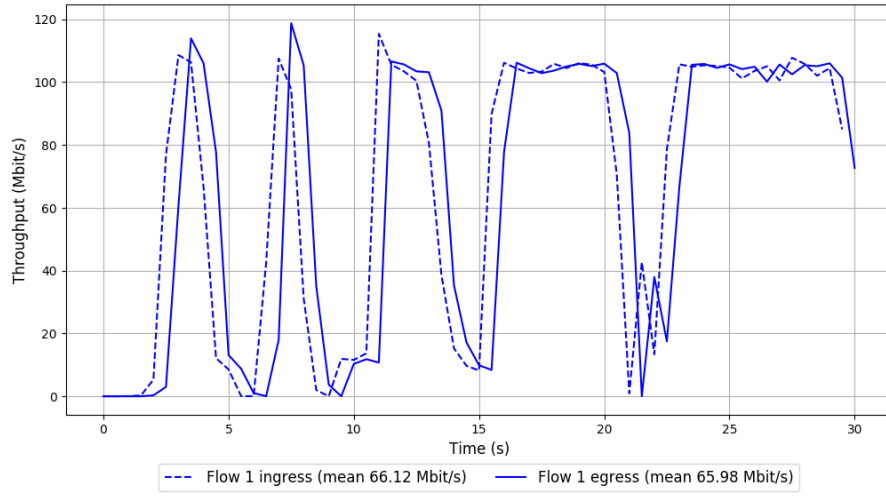
-- Flow 1:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 62.799 ms

Loss rate: 0.63%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-04-24 05:25:40

End at: 2019-04-24 05:26:10

Local clock offset: -0.05 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 63.252 ms

Loss rate: 0.61%

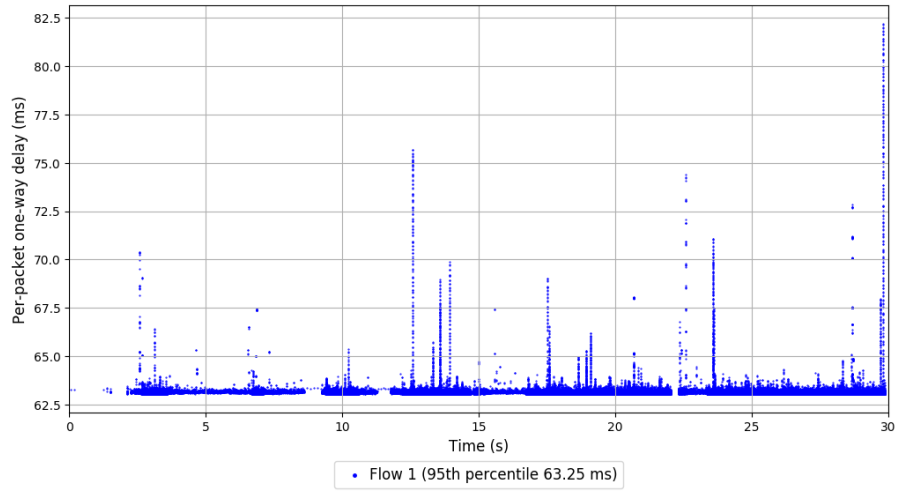
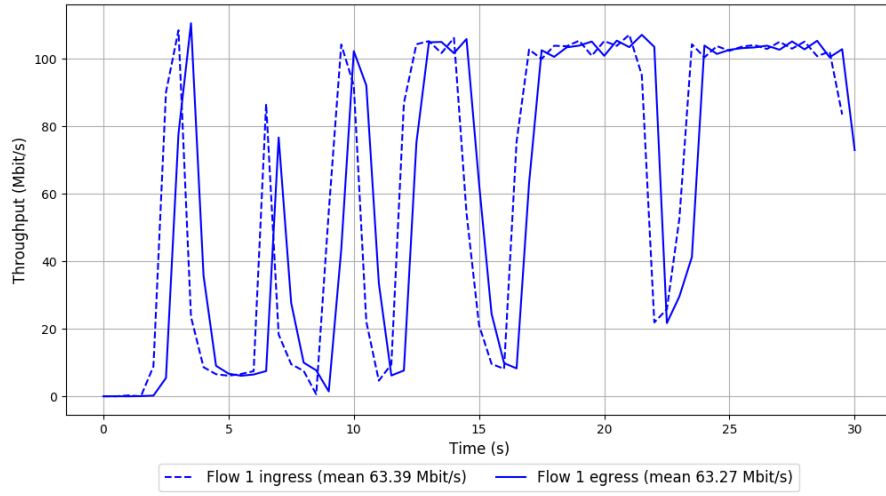
-- Flow 1:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 63.252 ms

Loss rate: 0.61%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-04-24 05:56:33

End at: 2019-04-24 05:57:03

Local clock offset: -0.05 ms

Remote clock offset: -0.57 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.28 Mbit/s

95th percentile per-packet one-way delay: 63.557 ms

Loss rate: 0.73%

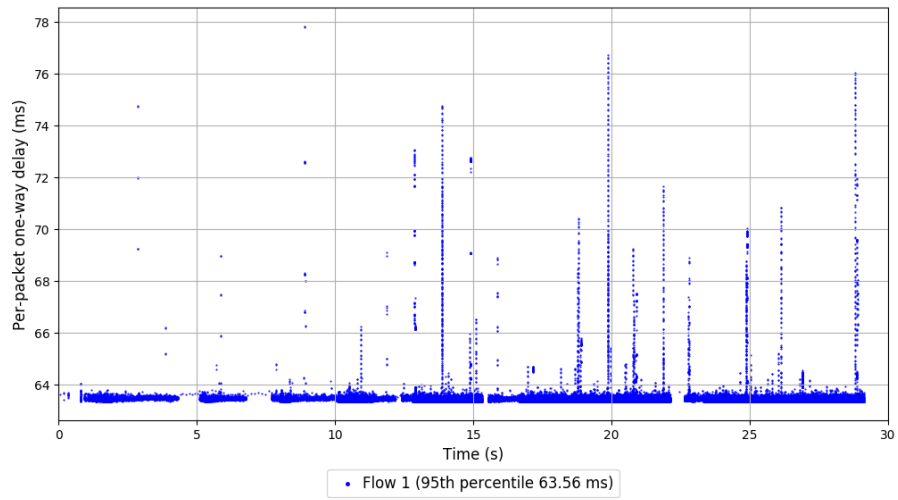
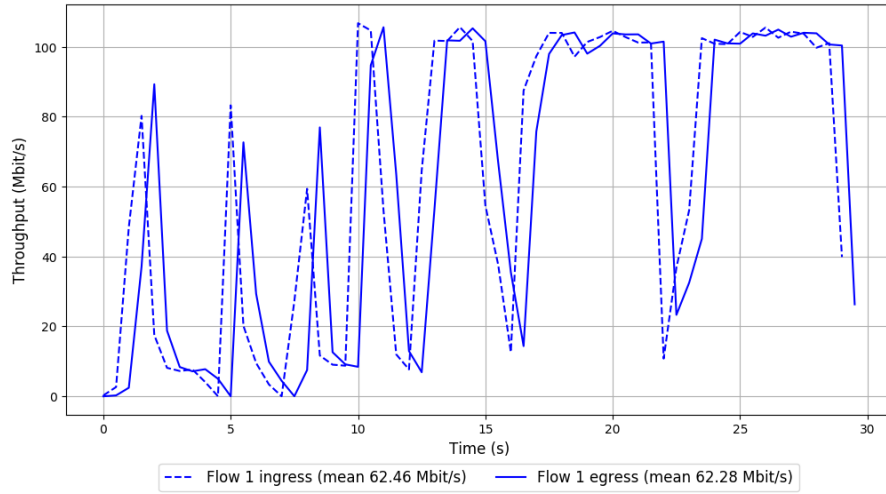
-- Flow 1:

Average throughput: 62.28 Mbit/s

95th percentile per-packet one-way delay: 63.557 ms

Loss rate: 0.73%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-04-24 06:27:23

End at: 2019-04-24 06:27:53

Local clock offset: -0.053 ms

Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 63.082 ms

Loss rate: 0.88%

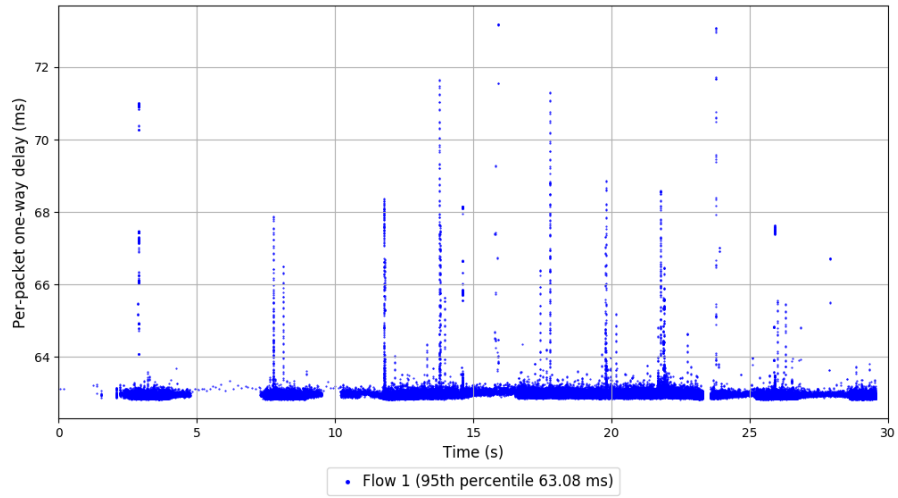
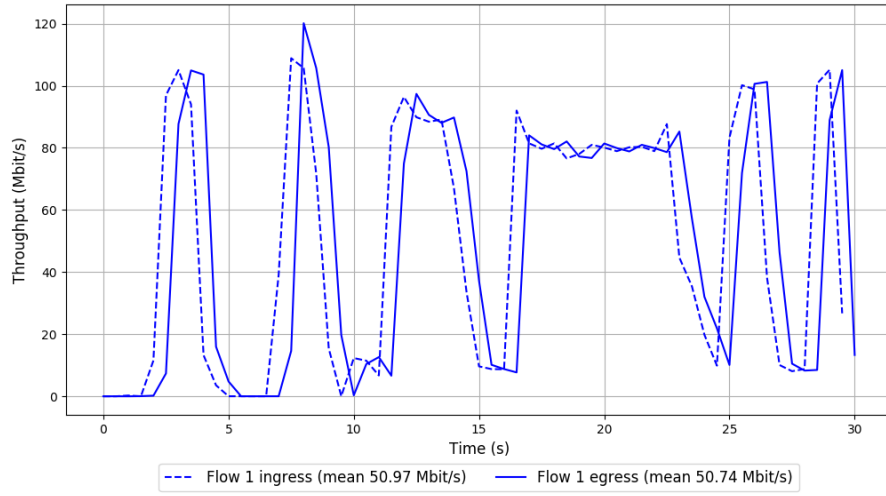
-- Flow 1:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 63.082 ms

Loss rate: 0.88%

Run 5: Report of QUIC Cubic — Data Link

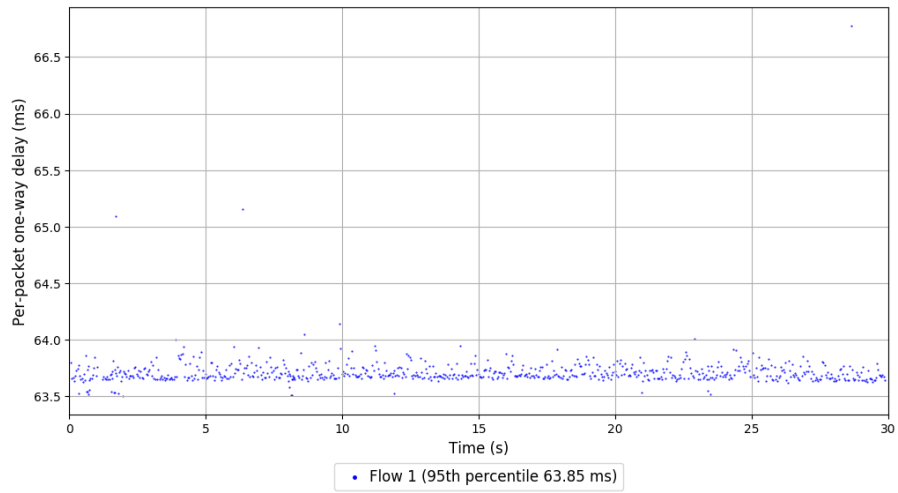
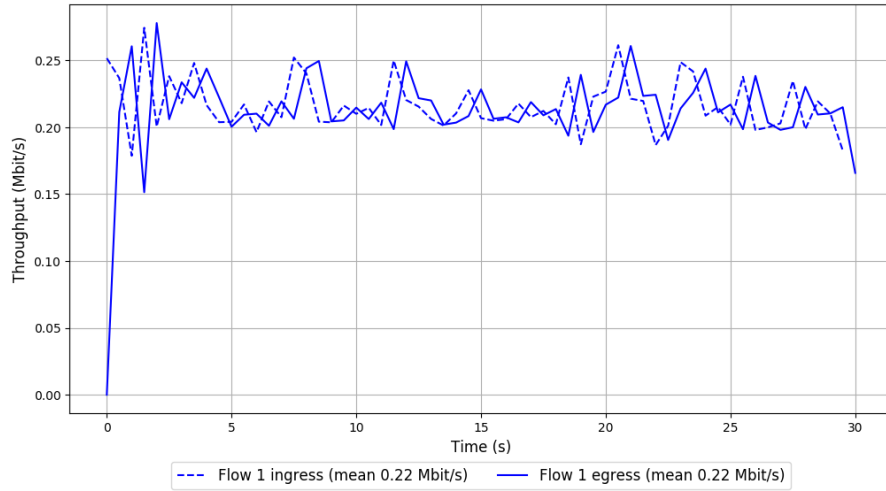


Run 1: Statistics of SCReAM

Start at: 2019-04-24 04:09:08
End at: 2019-04-24 04:09:38
Local clock offset: -0.003 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-04-24 08:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 0.38%

Run 1: Report of SCReAM — Data Link

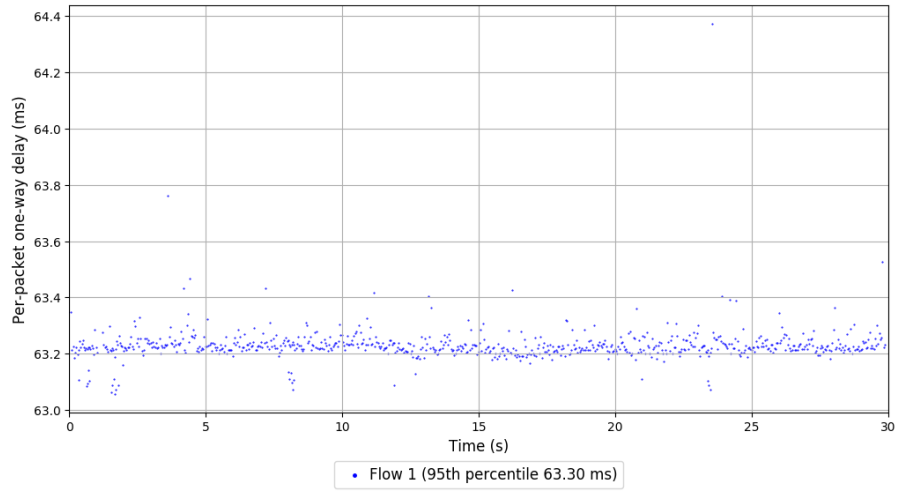
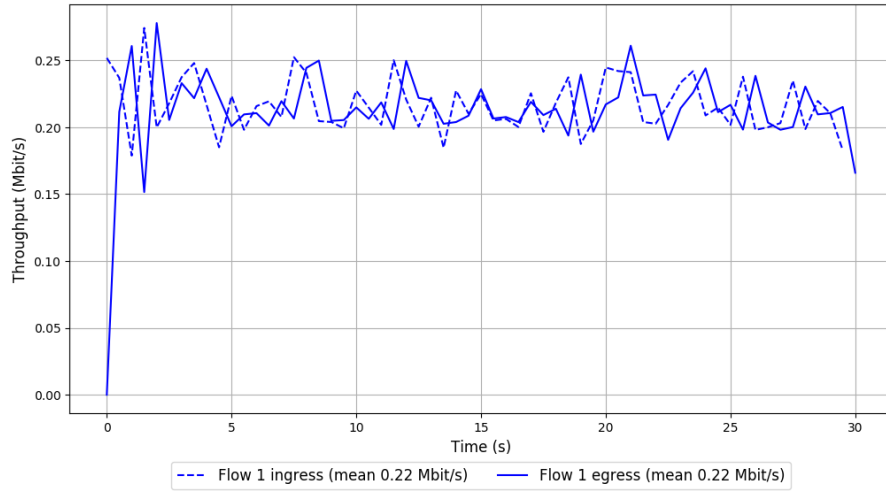


Run 2: Statistics of SCReAM

Start at: 2019-04-24 04:39:32
End at: 2019-04-24 04:40:02
Local clock offset: -0.027 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2019-04-24 08:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.299 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.299 ms
Loss rate: 0.38%

Run 2: Report of SCReAM — Data Link

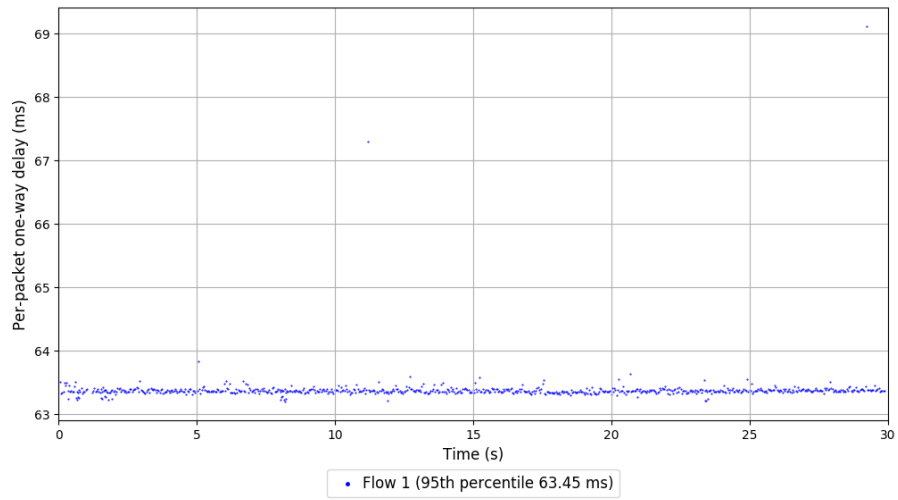
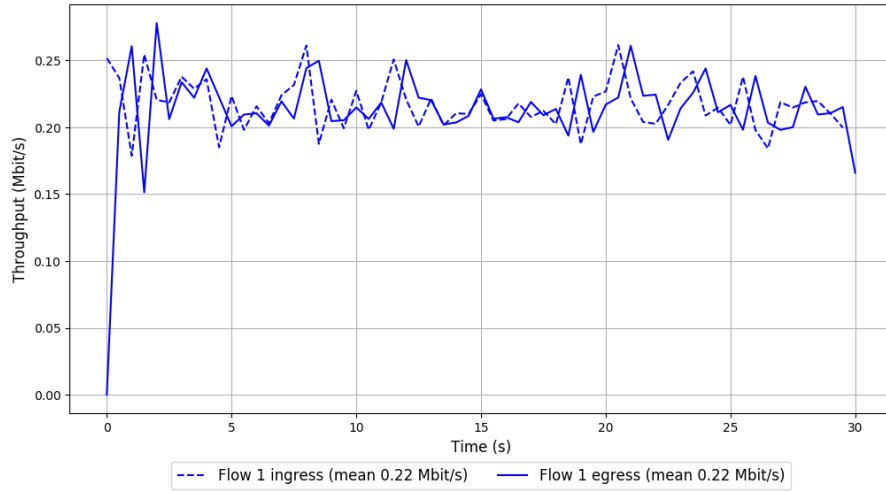


Run 3: Statistics of SCReAM

Start at: 2019-04-24 05:10:02
End at: 2019-04-24 05:10:32
Local clock offset: -0.027 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-04-24 08:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.454 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.454 ms
Loss rate: 0.51%

Run 3: Report of SCReAM — Data Link

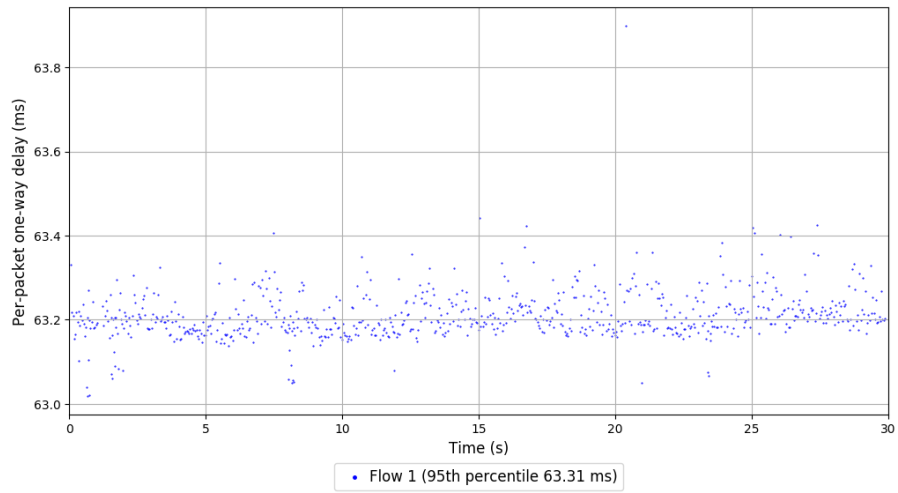
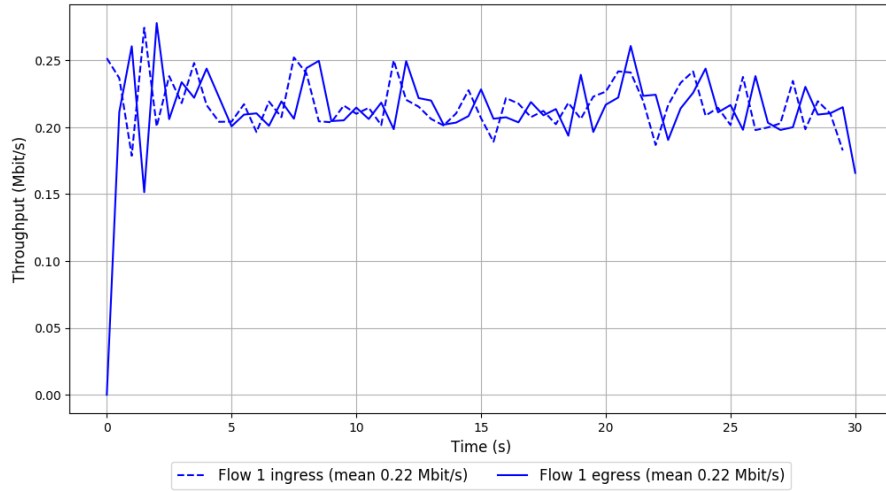


Run 4: Statistics of SCReAM

Start at: 2019-04-24 05:41:04
End at: 2019-04-24 05:41:34
Local clock offset: -0.032 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-04-24 08:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.308 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.308 ms
Loss rate: 0.38%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-04-24 06:11:55

End at: 2019-04-24 06:12:25

Local clock offset: -0.03 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.946 ms

Loss rate: 0.51%

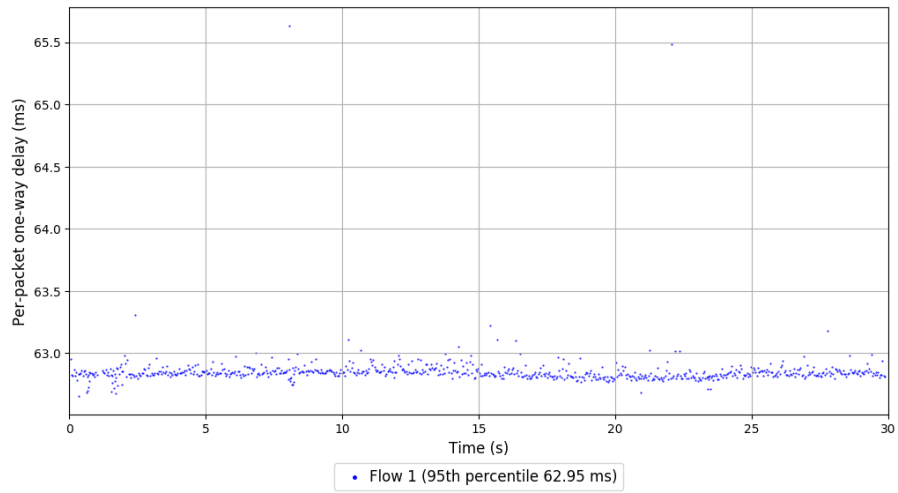
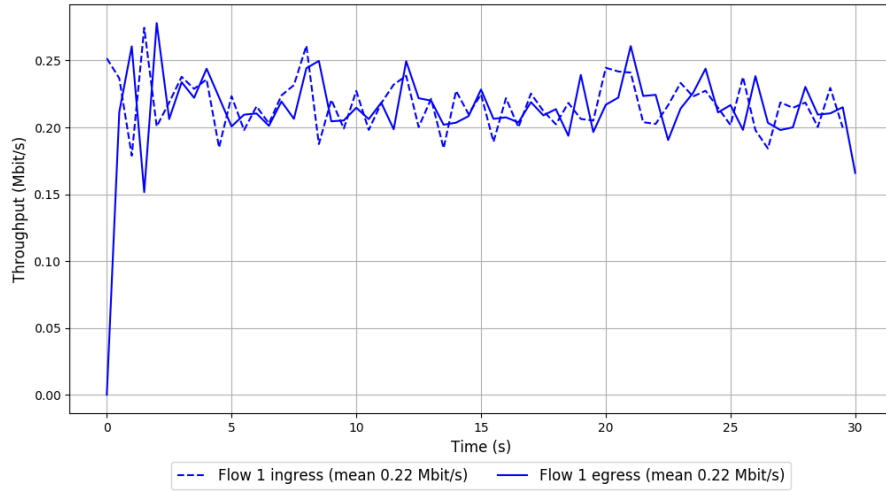
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.946 ms

Loss rate: 0.51%

Run 5: Report of SCReAM — Data Link

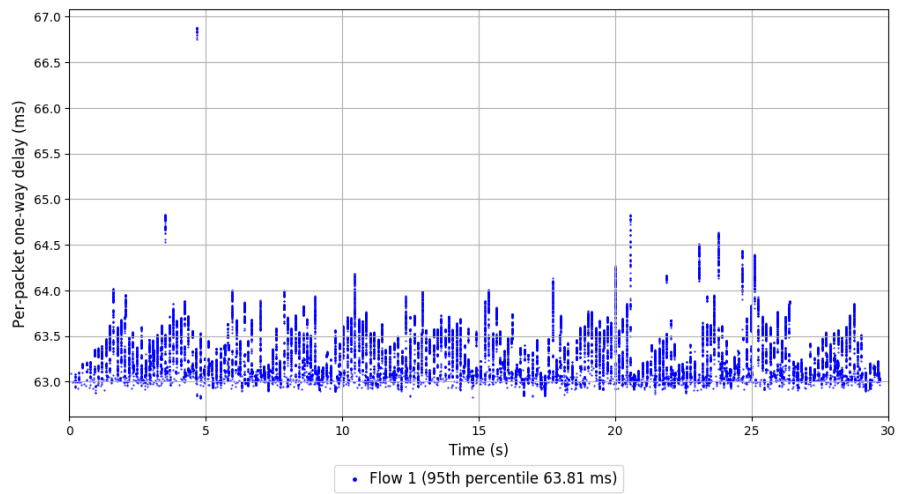
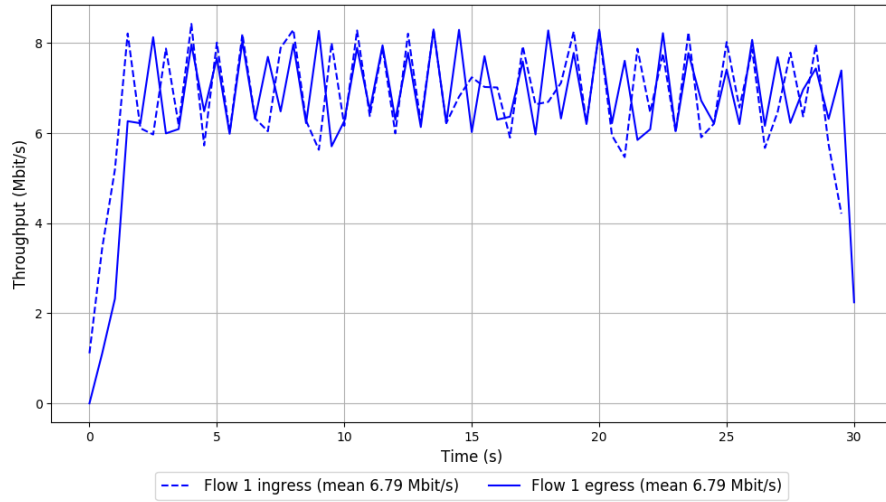


Run 1: Statistics of Sprout

Start at: 2019-04-24 04:25:31
End at: 2019-04-24 04:26:01
Local clock offset: 0.001 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-04-24 08:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 63.813 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 63.813 ms
Loss rate: 0.49%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-04-24 04:56:09

End at: 2019-04-24 04:56:39

Local clock offset: -0.055 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 63.662 ms

Loss rate: 0.48%

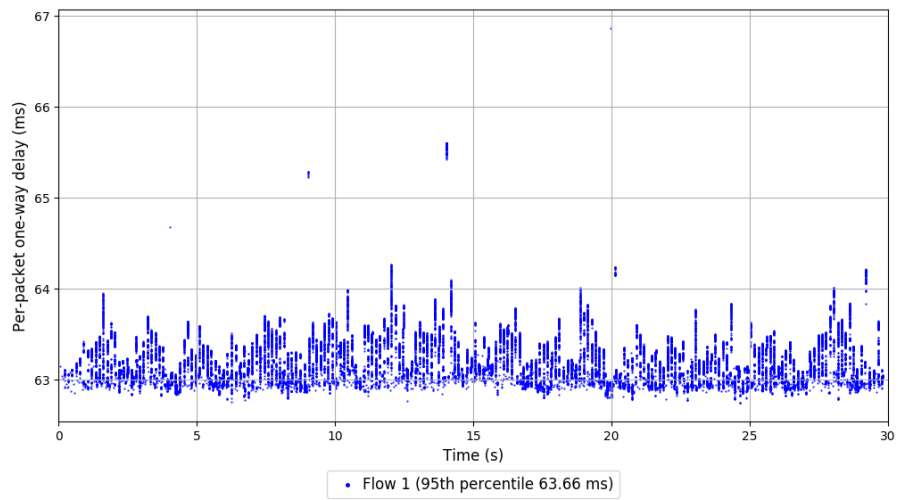
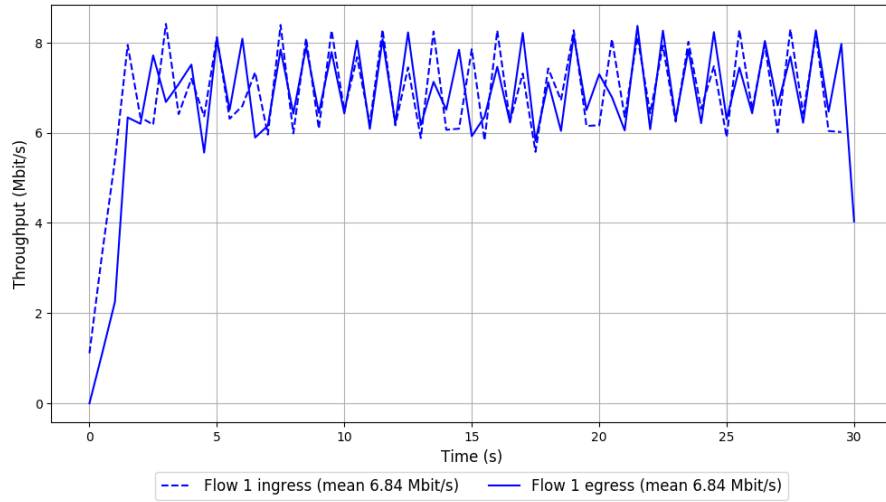
-- Flow 1:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 63.662 ms

Loss rate: 0.48%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-04-24 05:26:52

End at: 2019-04-24 05:27:22

Local clock offset: -0.046 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 63.541 ms

Loss rate: 0.48%

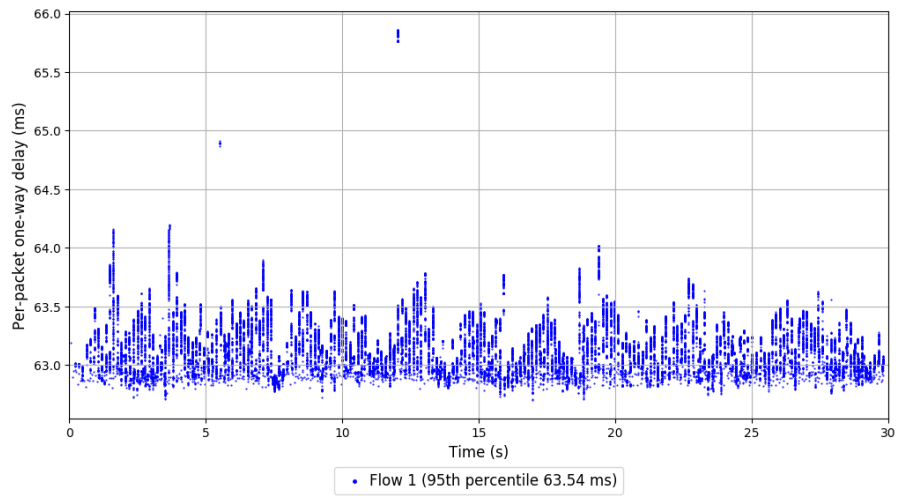
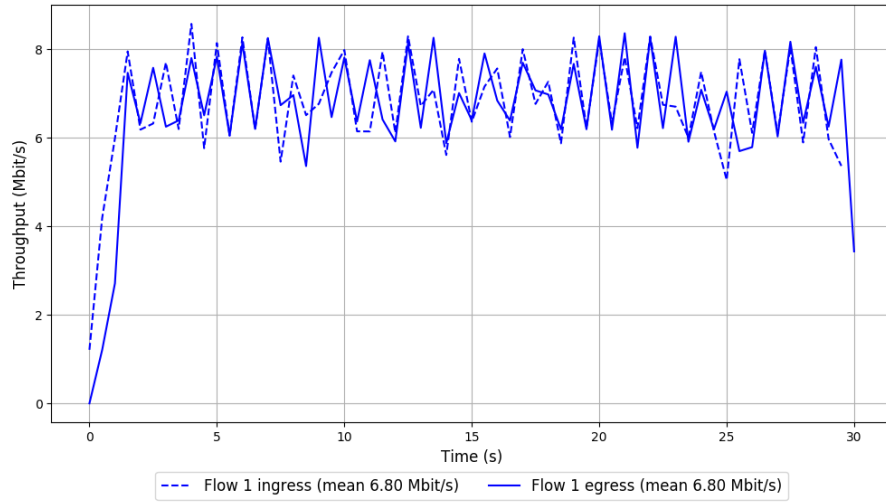
-- Flow 1:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 63.541 ms

Loss rate: 0.48%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-04-24 05:57:45

End at: 2019-04-24 05:58:15

Local clock offset: -0.051 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2019-04-24 08:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 63.945 ms

Loss rate: 0.46%

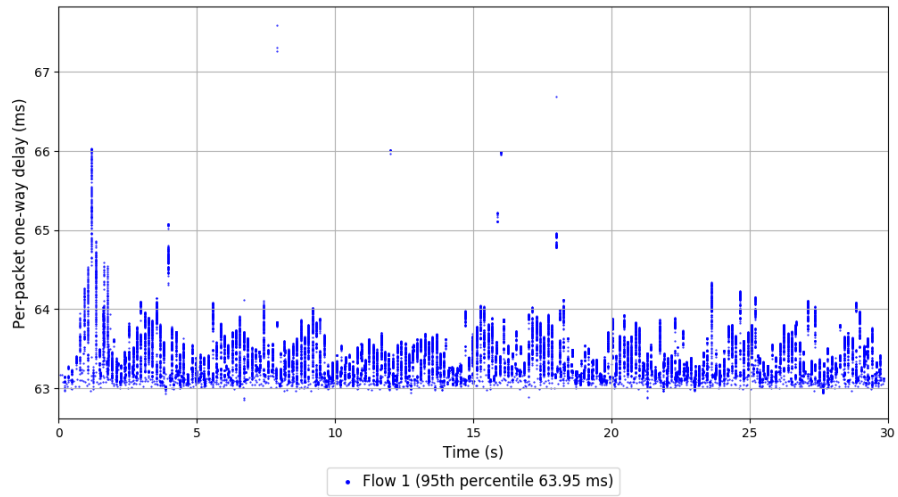
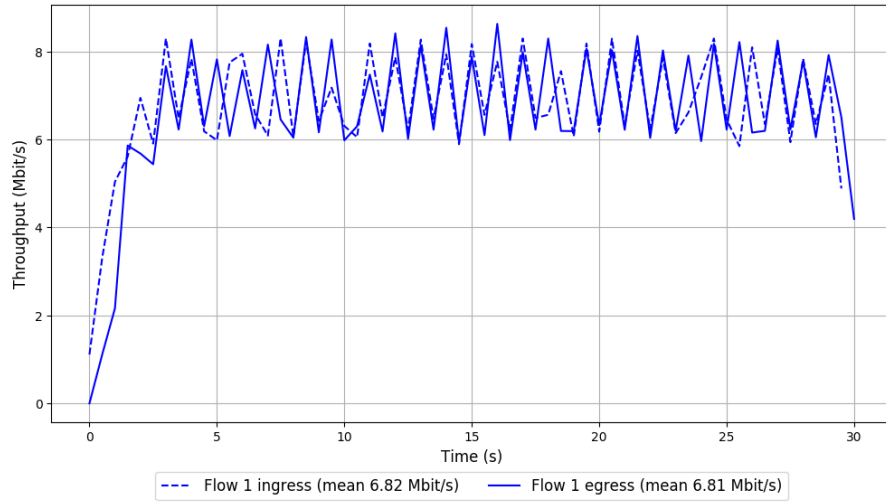
-- Flow 1:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 63.945 ms

Loss rate: 0.46%

Run 4: Report of Sprout — Data Link

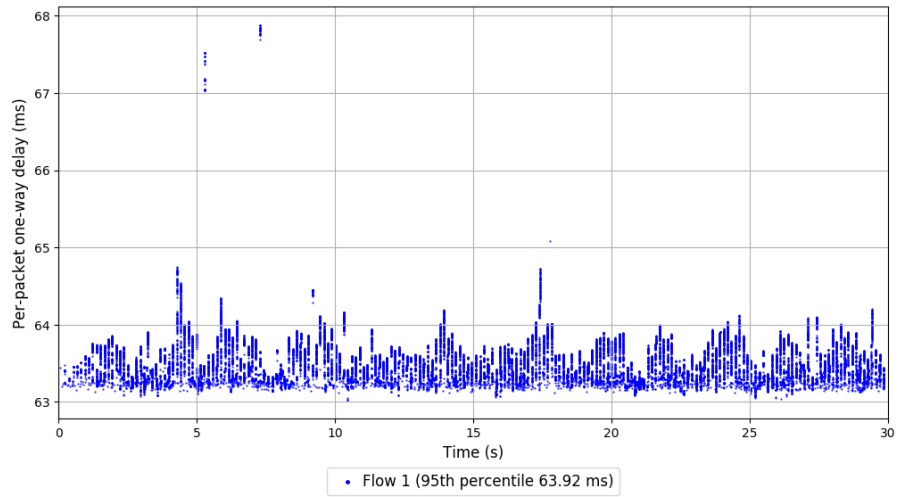
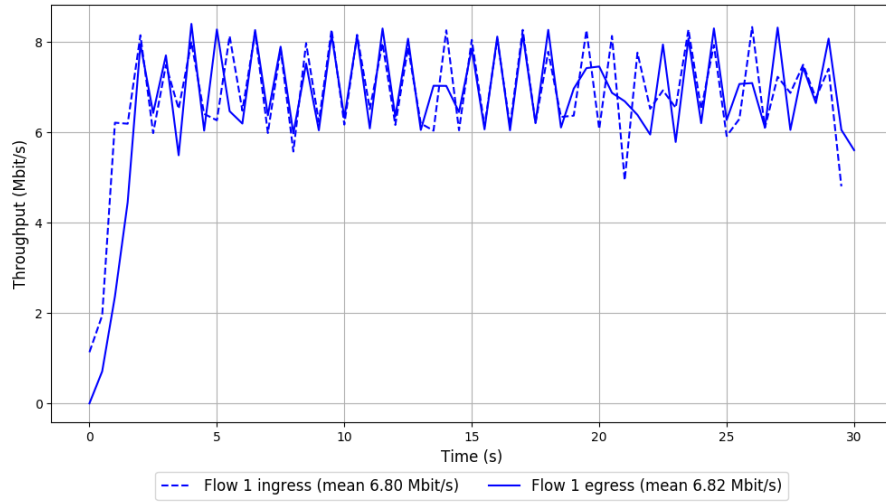


Run 5: Statistics of Sprout

Start at: 2019-04-24 06:28:33
End at: 2019-04-24 06:29:03
Local clock offset: -0.016 ms
Remote clock offset: -0.071 ms

```
# Below is generated by plot.py at 2019-04-24 08:17:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 63.921 ms
Loss rate: 0.17%
```

Run 5: Report of Sprout — Data Link

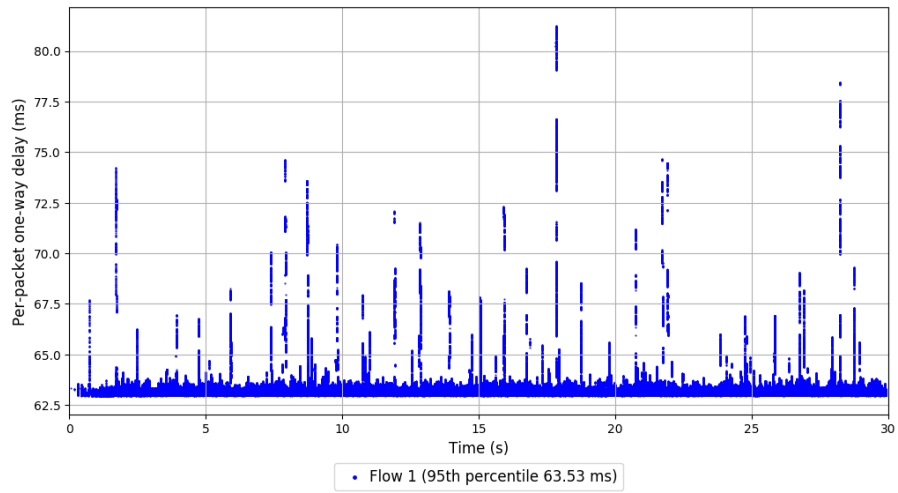
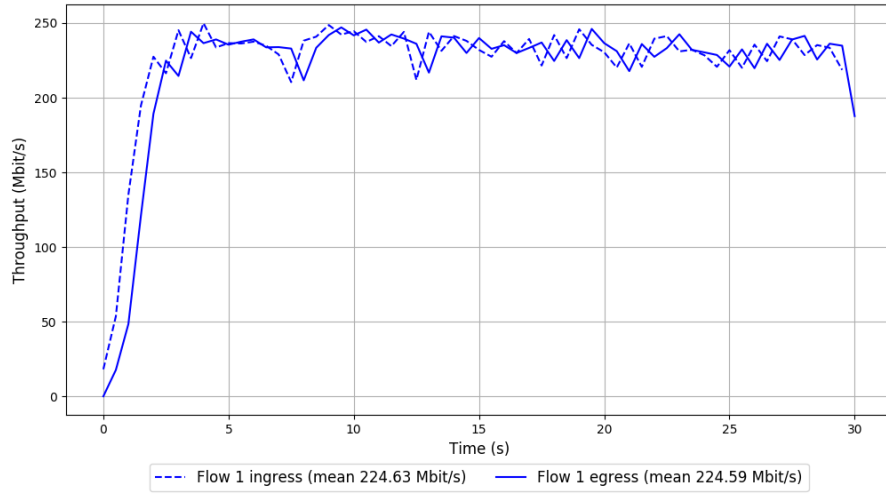


Run 1: Statistics of TaoVA-100x

Start at: 2019-04-24 04:14:55
End at: 2019-04-24 04:15:25
Local clock offset: -0.006 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-04-24 08:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.59 Mbit/s
95th percentile per-packet one-way delay: 63.528 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 224.59 Mbit/s
95th percentile per-packet one-way delay: 63.528 ms
Loss rate: 0.44%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-04-24 04:45:27

End at: 2019-04-24 04:45:57

Local clock offset: -0.08 ms

Remote clock offset: -0.296 ms

Below is generated by plot.py at 2019-04-24 08:21:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 63.501 ms

Loss rate: 0.44%

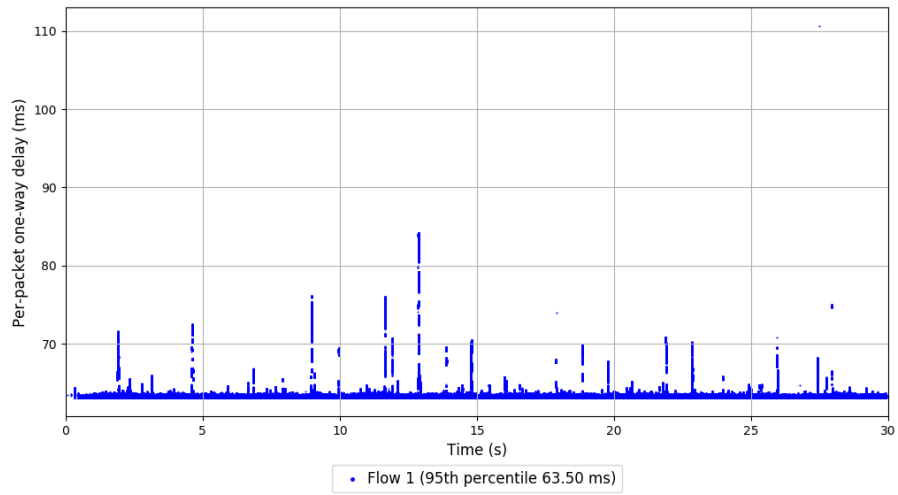
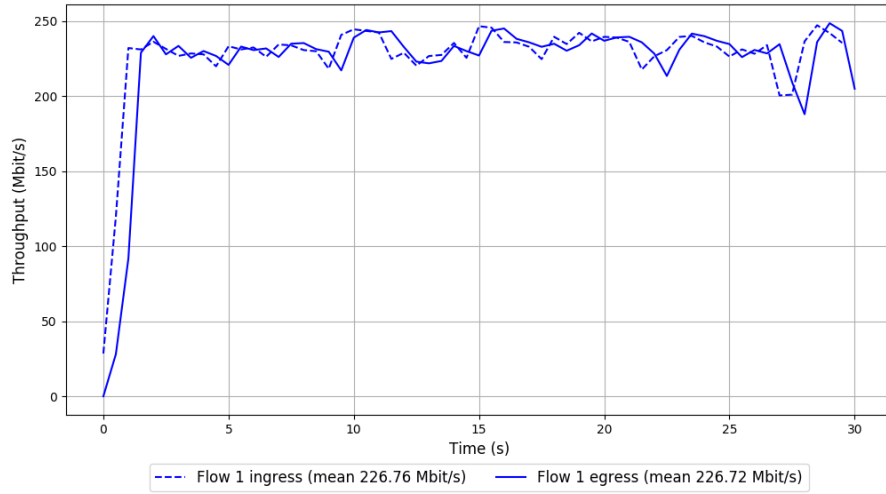
-- Flow 1:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 63.501 ms

Loss rate: 0.44%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-04-24 05:16:03

End at: 2019-04-24 05:16:33

Local clock offset: -0.054 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2019-04-24 08:21:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.02 Mbit/s

95th percentile per-packet one-way delay: 62.950 ms

Loss rate: 0.42%

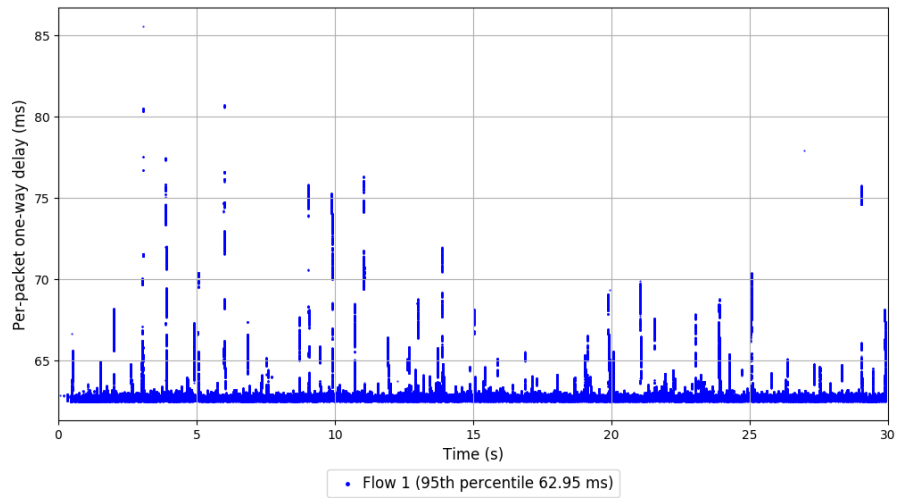
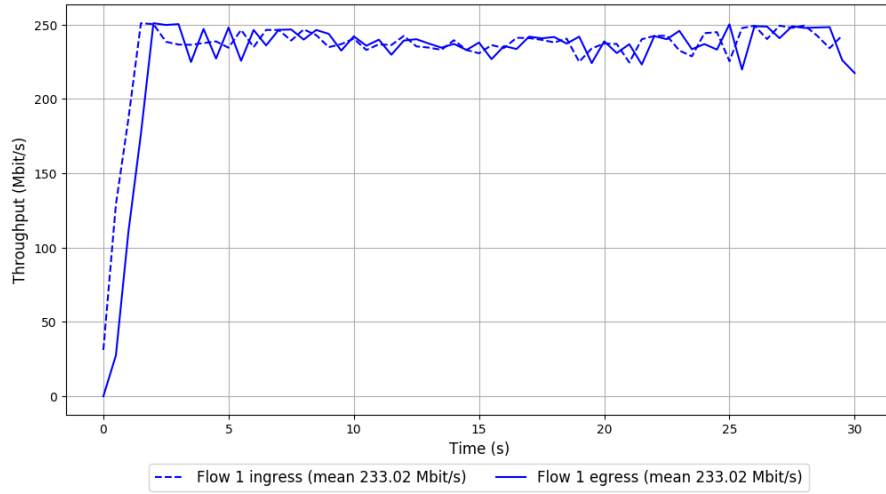
-- Flow 1:

Average throughput: 233.02 Mbit/s

95th percentile per-packet one-way delay: 62.950 ms

Loss rate: 0.42%

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

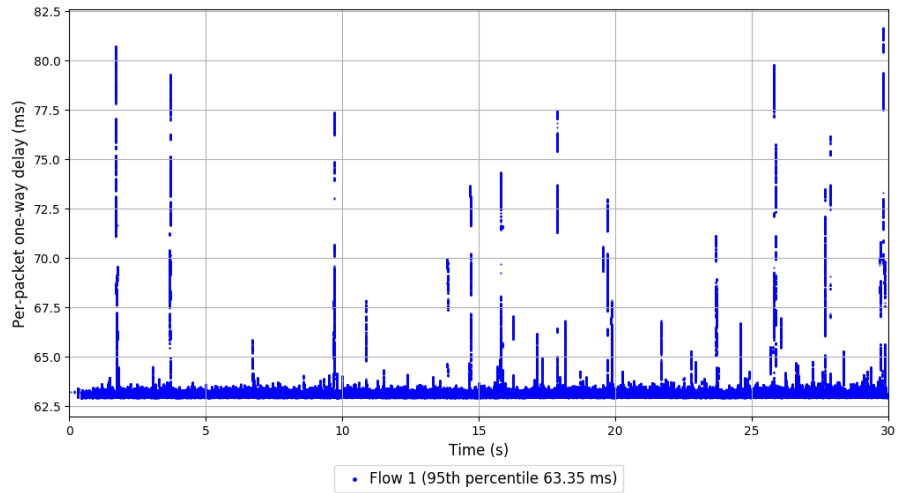
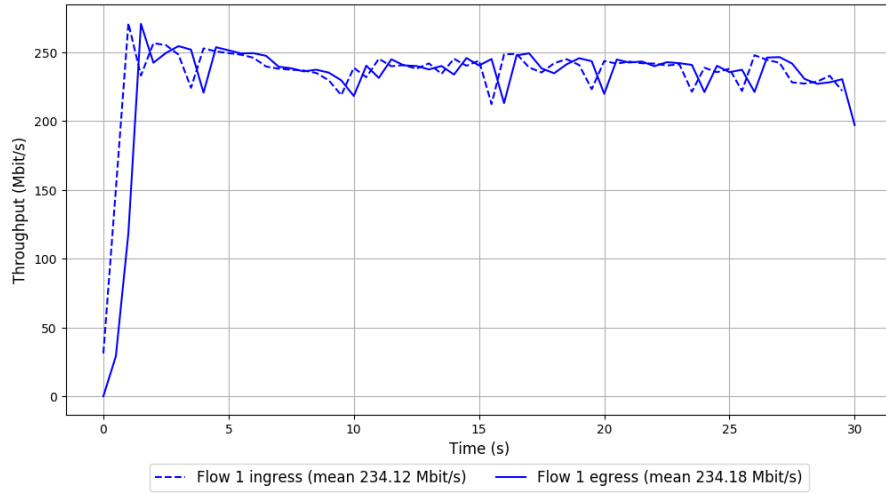


Run 4: Statistics of TaoVA-100x

Start at: 2019-04-24 05:47:03
End at: 2019-04-24 05:47:33
Local clock offset: -0.031 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-04-24 08:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.18 Mbit/s
95th percentile per-packet one-way delay: 63.354 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 234.18 Mbit/s
95th percentile per-packet one-way delay: 63.354 ms
Loss rate: 0.40%

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

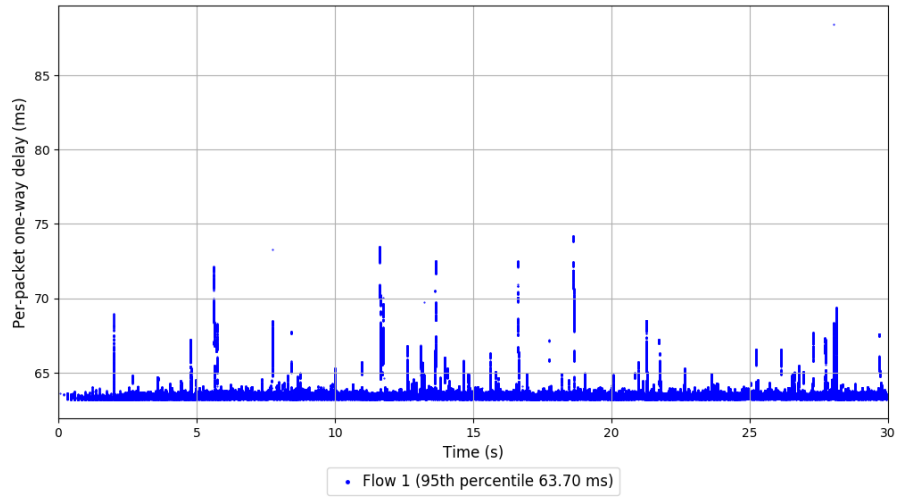
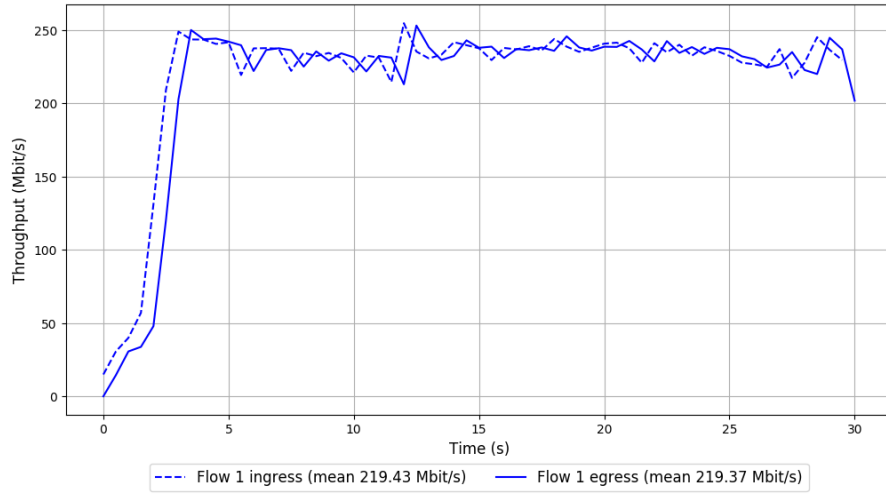


Run 5: Statistics of TaoVA-100x

Start at: 2019-04-24 06:17:51
End at: 2019-04-24 06:18:21
Local clock offset: -0.044 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-04-24 08:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.37 Mbit/s
95th percentile per-packet one-way delay: 63.702 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 219.37 Mbit/s
95th percentile per-packet one-way delay: 63.702 ms
Loss rate: 0.45%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-04-24 04:04:56

End at: 2019-04-24 04:05:26

Local clock offset: -0.054 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2019-04-24 08:21:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.84 Mbit/s

95th percentile per-packet one-way delay: 69.562 ms

Loss rate: 0.30%

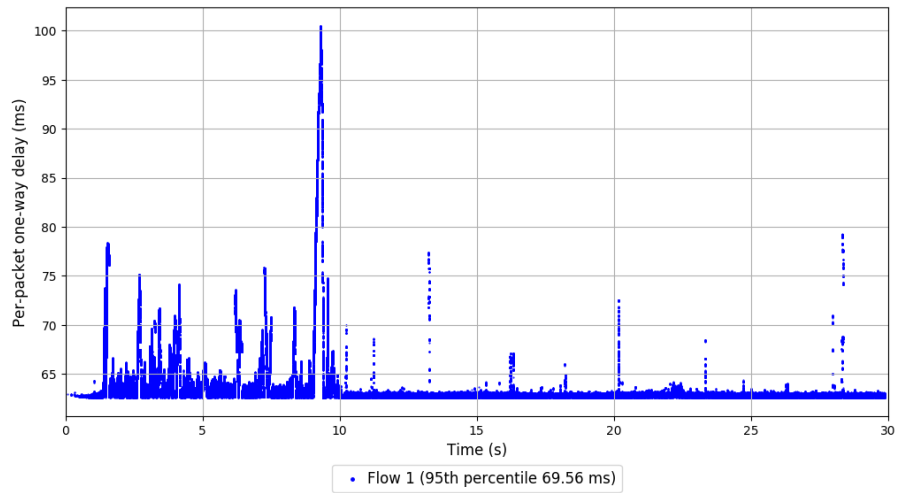
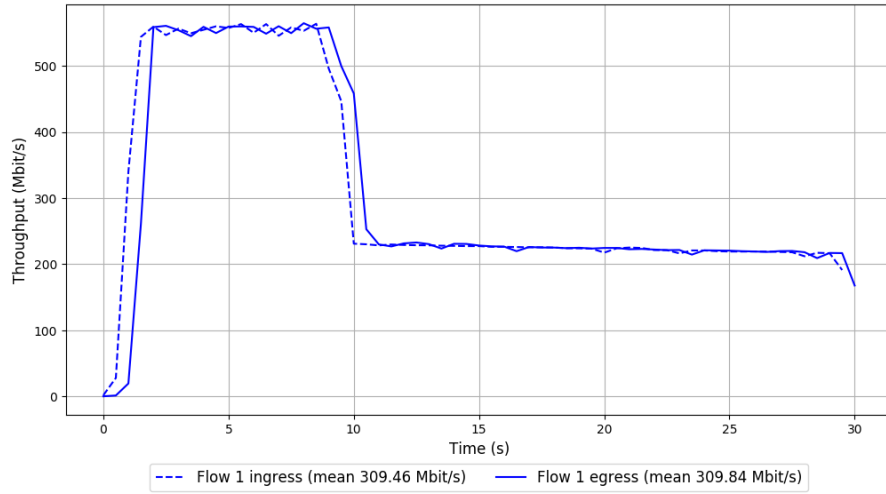
-- Flow 1:

Average throughput: 309.84 Mbit/s

95th percentile per-packet one-way delay: 69.562 ms

Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-04-24 04:35:22
End at: 2019-04-24 04:35:52
Local clock offset: -0.039 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-04-24 08:24:42

Datalink statistics

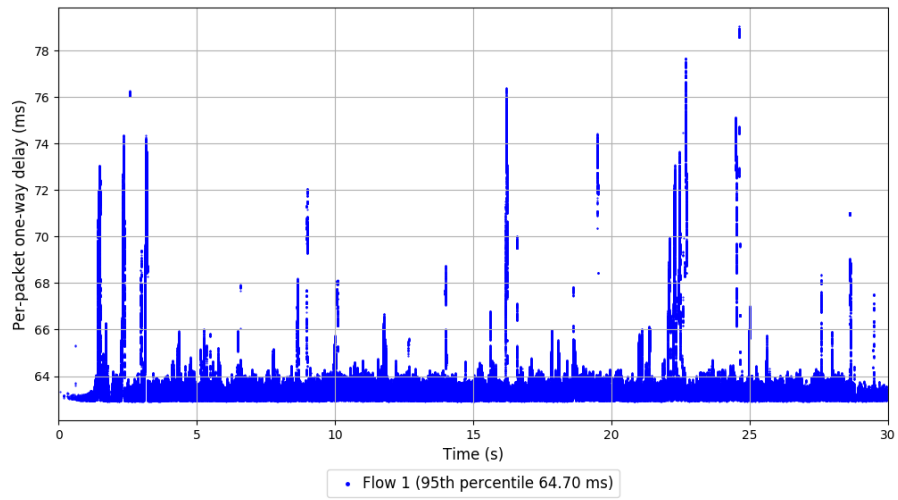
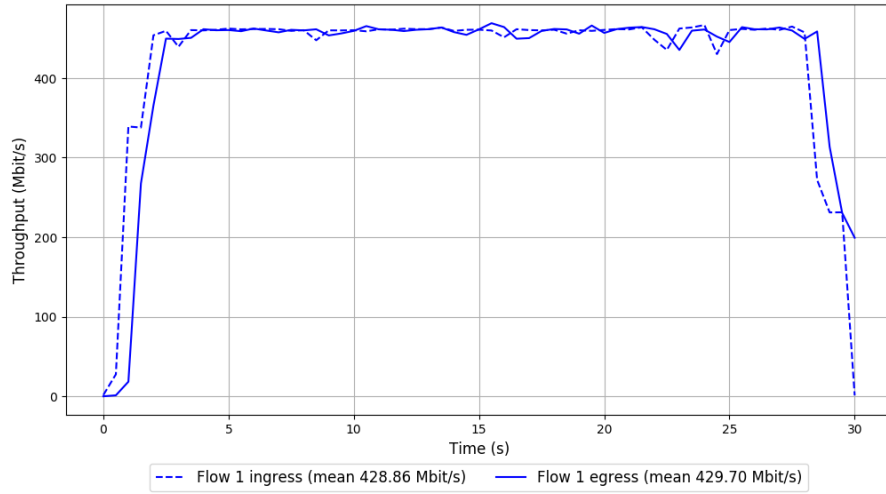
-- Total of 1 flow:

Average throughput: 429.70 Mbit/s
95th percentile per-packet one-way delay: 64.705 ms
Loss rate: 0.23%

-- Flow 1:

Average throughput: 429.70 Mbit/s
95th percentile per-packet one-way delay: 64.705 ms
Loss rate: 0.23%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-04-24 05:06:03
End at: 2019-04-24 05:06:33
Local clock offset: -0.063 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-04-24 08:24:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 63.304 ms

Loss rate: 0.21%

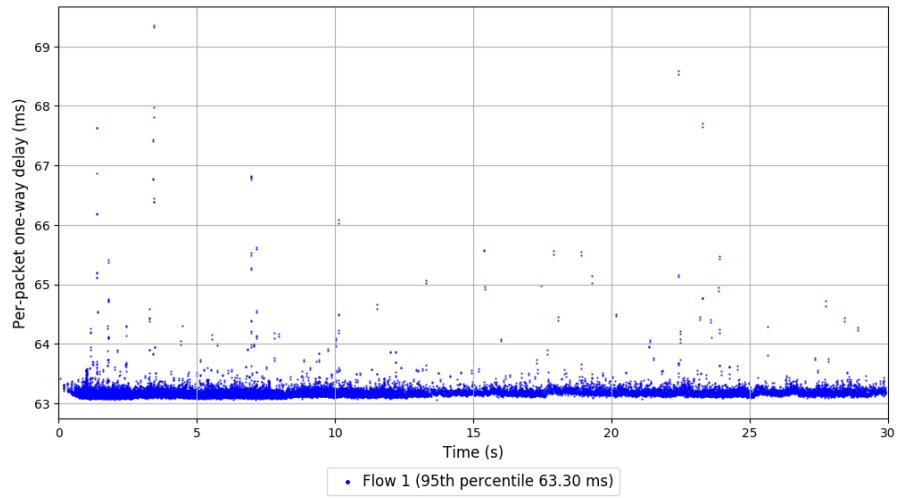
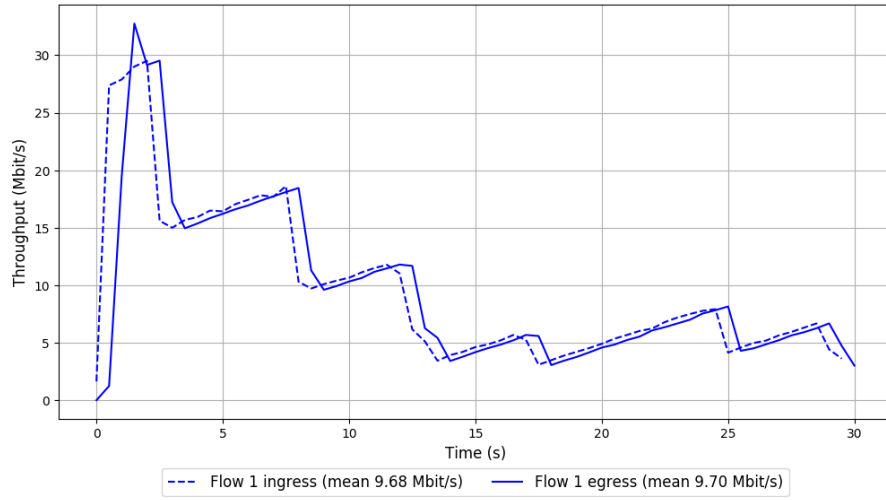
-- Flow 1:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 63.304 ms

Loss rate: 0.21%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-04-24 05:36:51

End at: 2019-04-24 05:37:21

Local clock offset: -0.054 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2019-04-24 08:26:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.96 Mbit/s

95th percentile per-packet one-way delay: 66.150 ms

Loss rate: 0.43%

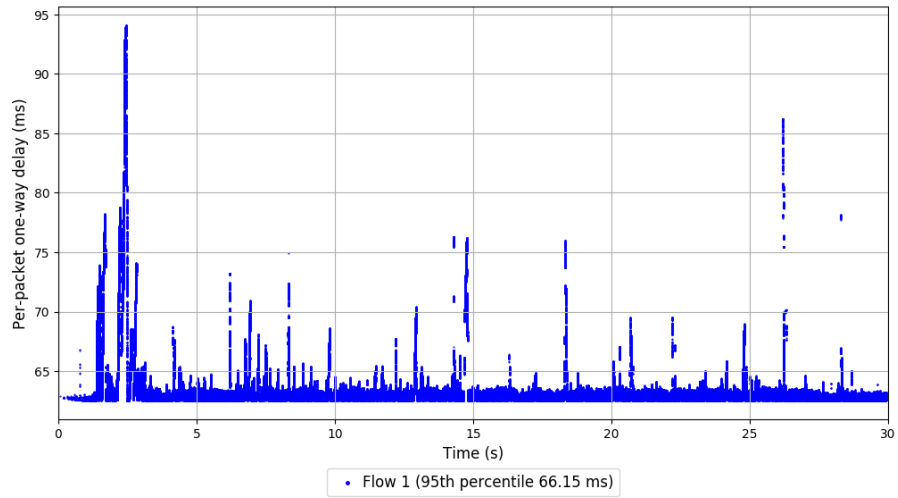
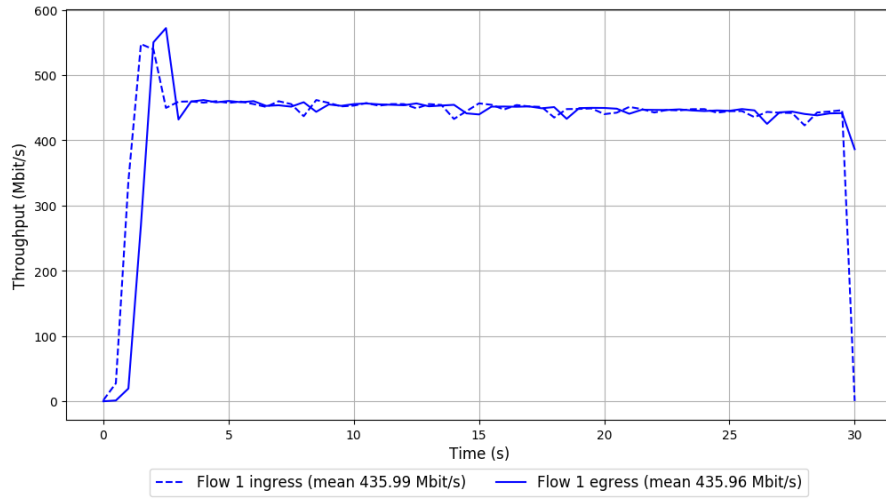
-- Flow 1:

Average throughput: 435.96 Mbit/s

95th percentile per-packet one-way delay: 66.150 ms

Loss rate: 0.43%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-04-24 06:07:36

End at: 2019-04-24 06:08:06

Local clock offset: -0.04 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2019-04-24 08:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 437.24 Mbit/s

95th percentile per-packet one-way delay: 66.478 ms

Loss rate: 0.43%

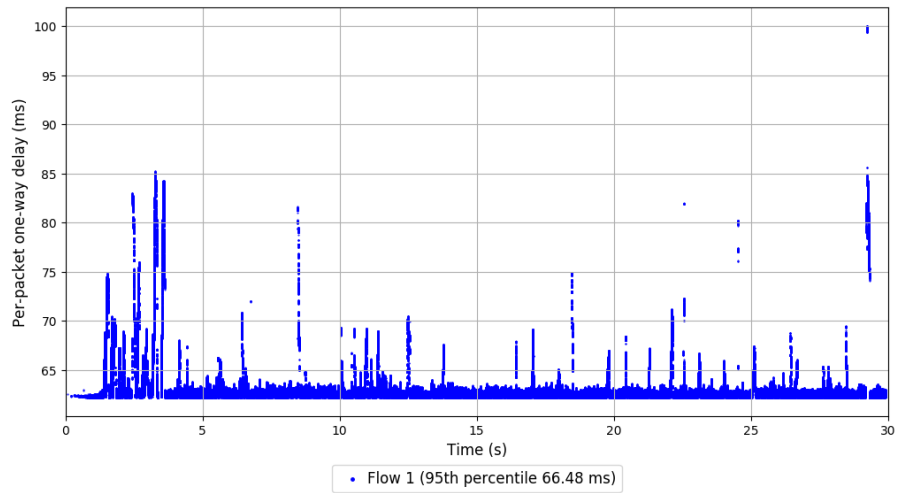
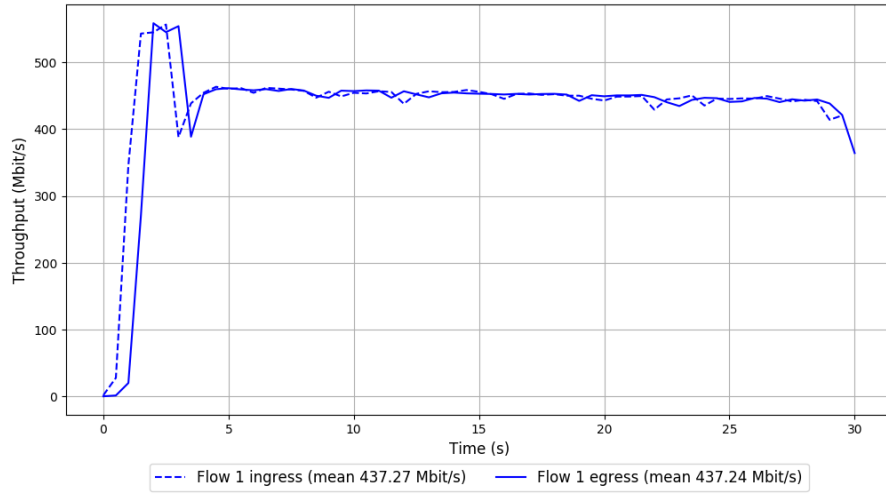
-- Flow 1:

Average throughput: 437.24 Mbit/s

95th percentile per-packet one-way delay: 66.478 ms

Loss rate: 0.43%

Run 5: Report of TCP Vegas — Data Link

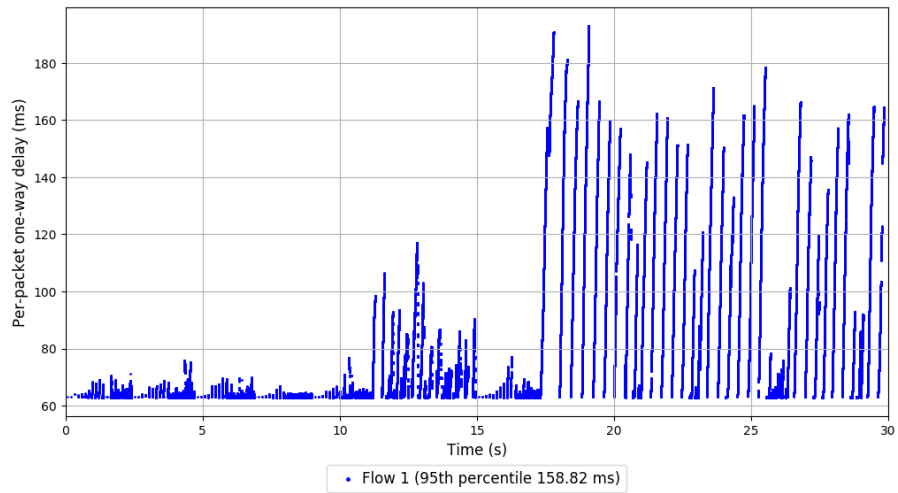
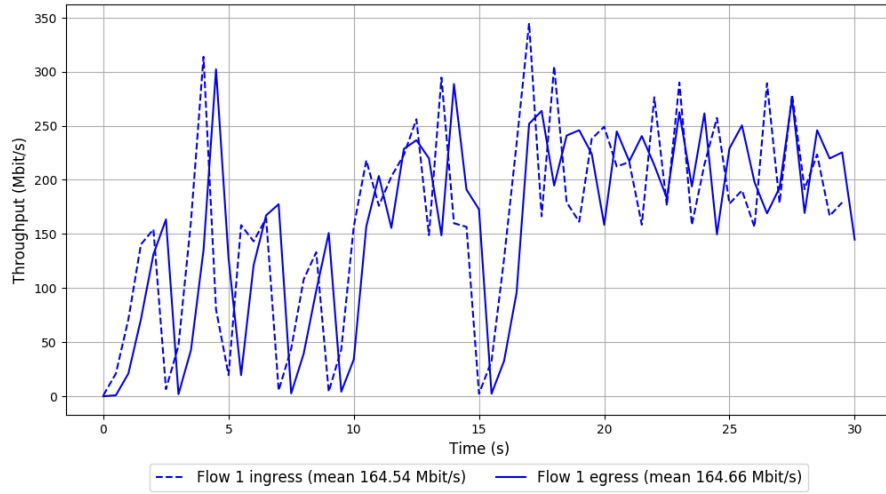


Run 1: Statistics of Verus

Start at: 2019-04-24 04:31:22
End at: 2019-04-24 04:31:52
Local clock offset: -0.005 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 08:27:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.66 Mbit/s
95th percentile per-packet one-way delay: 158.825 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 164.66 Mbit/s
95th percentile per-packet one-way delay: 158.825 ms
Loss rate: 0.35%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-04-24 05:02:04

End at: 2019-04-24 05:02:34

Local clock offset: -0.081 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2019-04-24 08:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.63 Mbit/s

95th percentile per-packet one-way delay: 161.919 ms

Loss rate: 0.85%

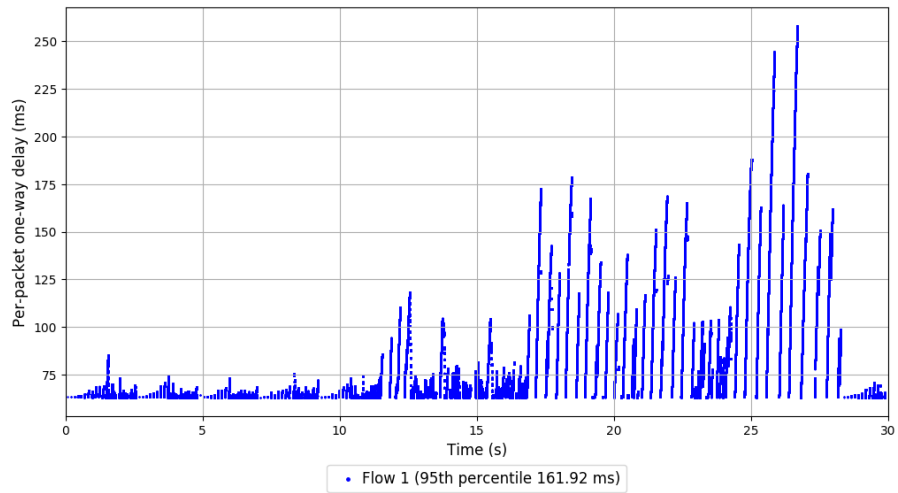
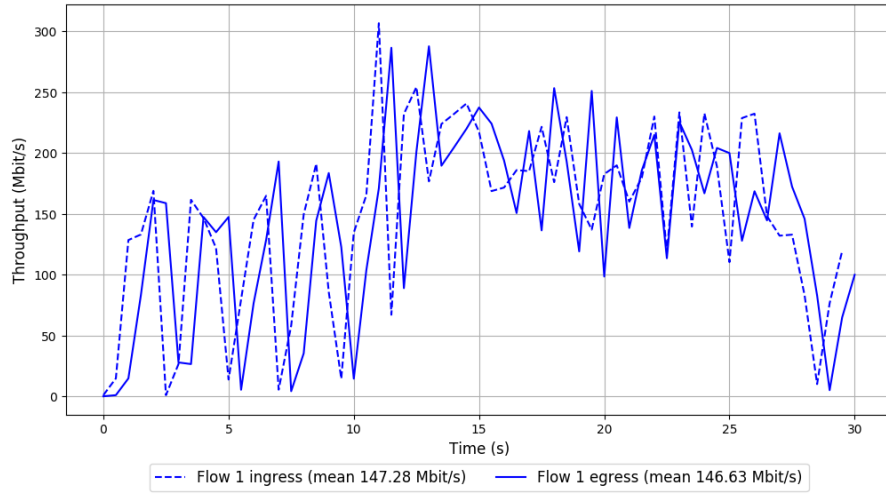
-- Flow 1:

Average throughput: 146.63 Mbit/s

95th percentile per-packet one-way delay: 161.919 ms

Loss rate: 0.85%

Run 2: Report of Verus — Data Link

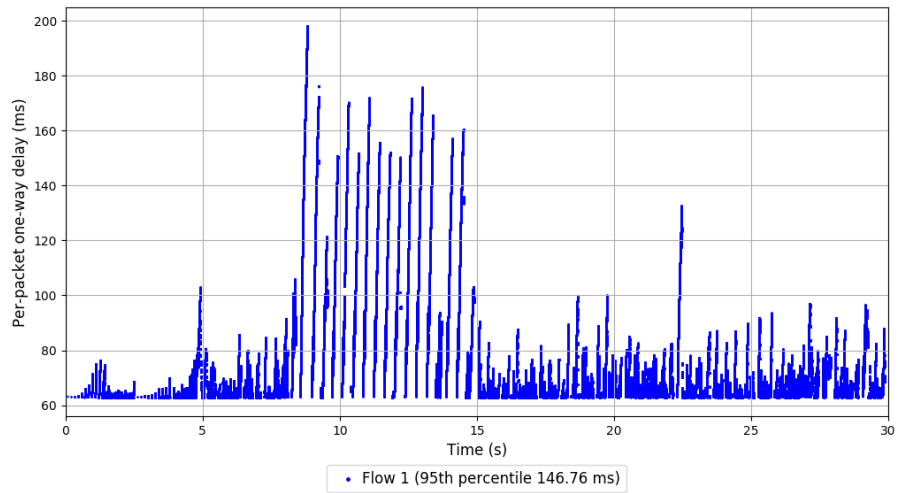
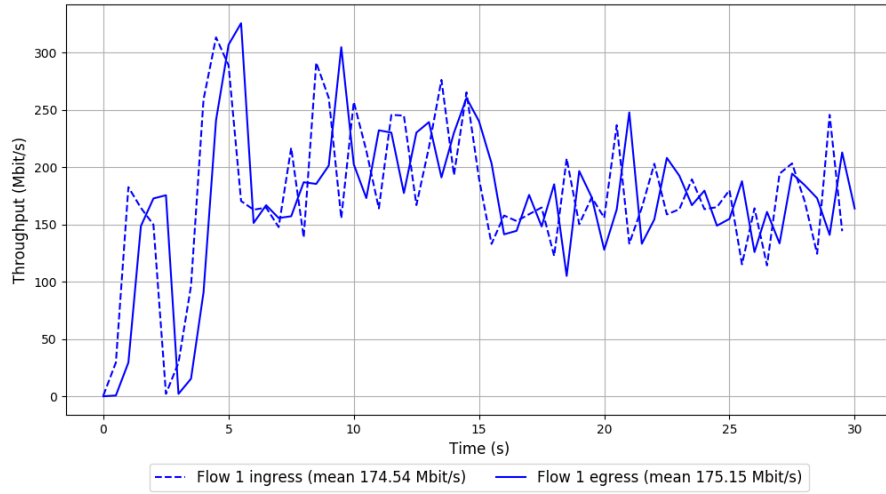


Run 3: Statistics of Verus

Start at: 2019-04-24 05:32:49
End at: 2019-04-24 05:33:19
Local clock offset: -0.043 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-04-24 08:27:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 146.756 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 146.756 ms
Loss rate: 0.16%

Run 3: Report of Verus — Data Link

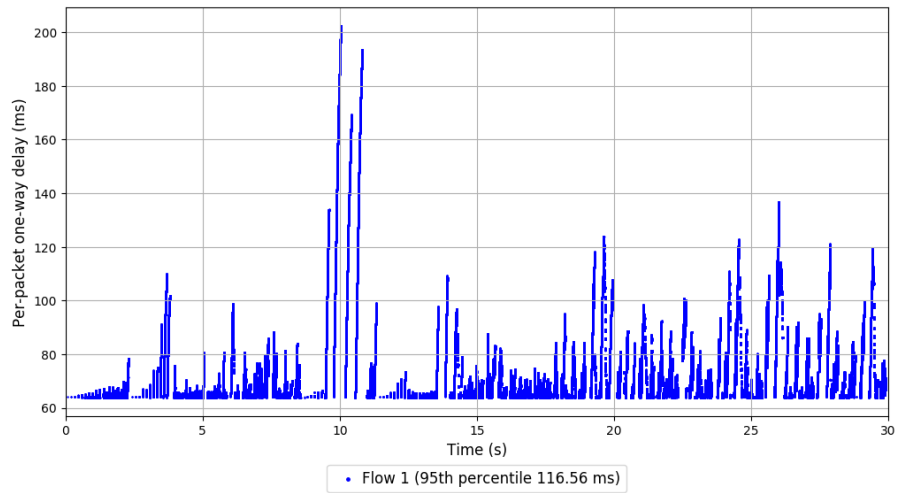
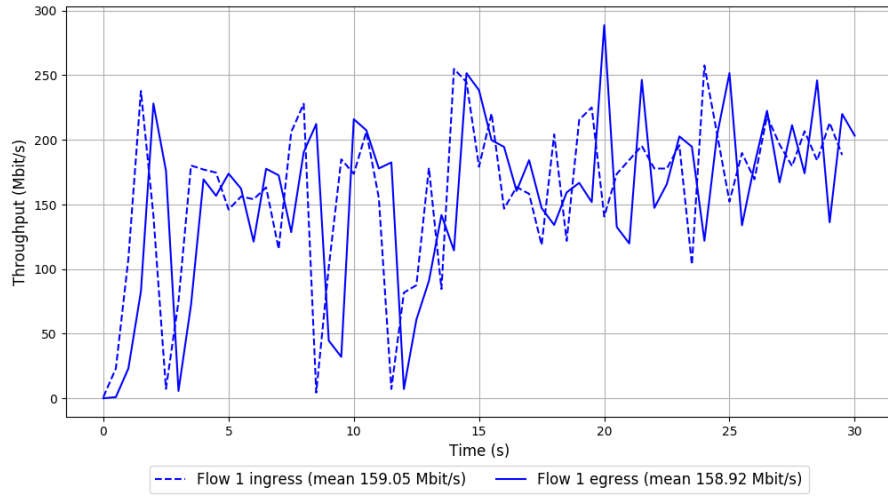


Run 4: Statistics of Verus

Start at: 2019-04-24 06:03:36
End at: 2019-04-24 06:04:06
Local clock offset: -0.035 ms
Remote clock offset: -0.622 ms

Below is generated by plot.py at 2019-04-24 08:27:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.92 Mbit/s
95th percentile per-packet one-way delay: 116.560 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 158.92 Mbit/s
95th percentile per-packet one-way delay: 116.560 ms
Loss rate: 0.36%

Run 4: Report of Verus — Data Link

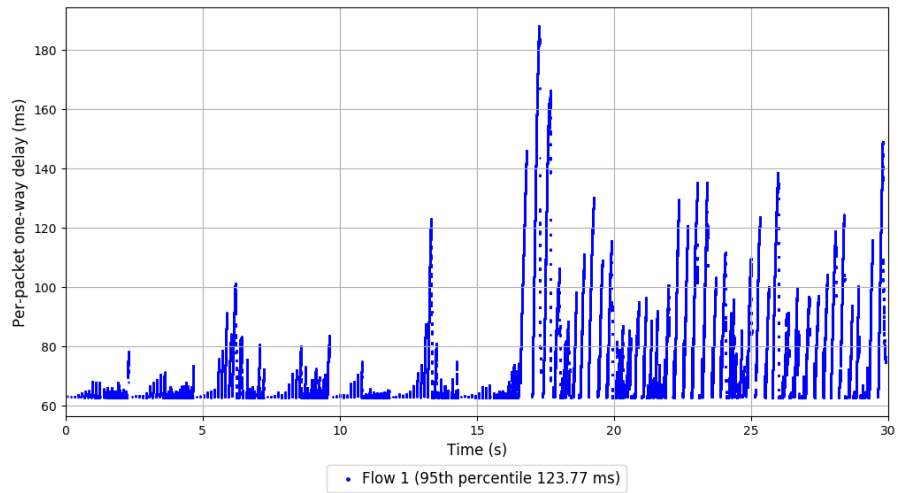
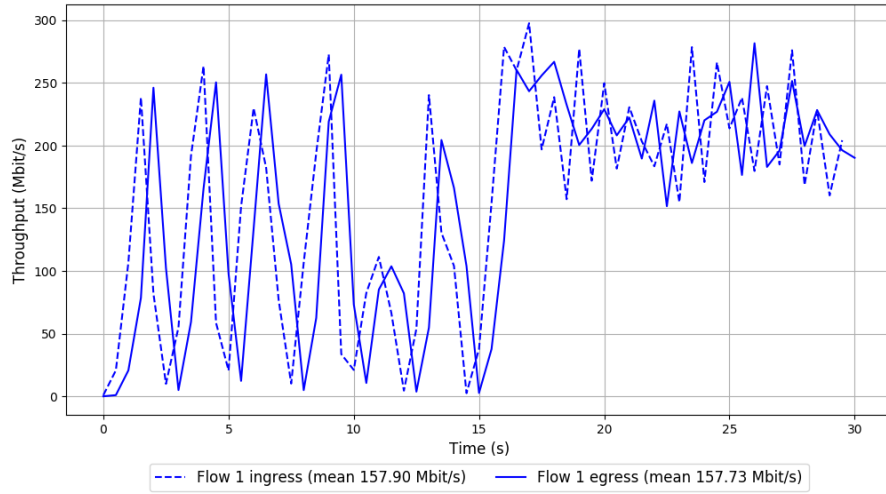


Run 5: Statistics of Verus

Start at: 2019-04-24 06:34:16
End at: 2019-04-24 06:34:46
Local clock offset: -0.027 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-04-24 08:27:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.73 Mbit/s
95th percentile per-packet one-way delay: 123.771 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 157.73 Mbit/s
95th percentile per-packet one-way delay: 123.771 ms
Loss rate: 0.15%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-04-24 04:19:48

End at: 2019-04-24 04:20:18

Local clock offset: -0.02 ms

Remote clock offset: -0.177 ms

Below is generated by plot.py at 2019-04-24 08:28:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.12 Mbit/s

95th percentile per-packet one-way delay: 64.315 ms

Loss rate: 0.72%

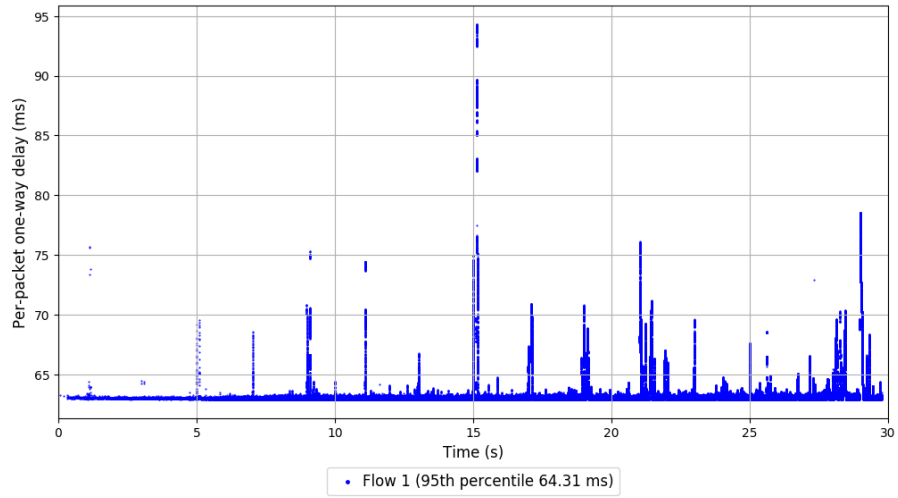
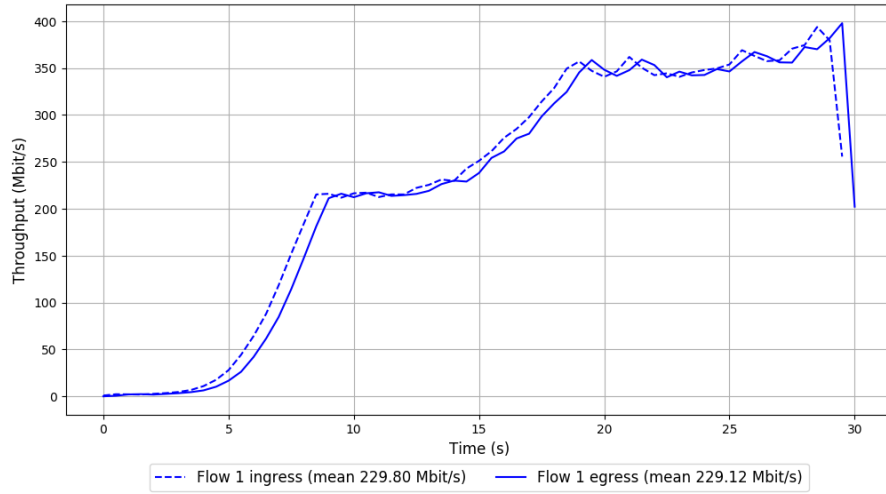
-- Flow 1:

Average throughput: 229.12 Mbit/s

95th percentile per-packet one-way delay: 64.315 ms

Loss rate: 0.72%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-04-24 04:50:17
End at: 2019-04-24 04:50:47
Local clock offset: -0.058 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2019-04-24 08:29:26

Datalink statistics

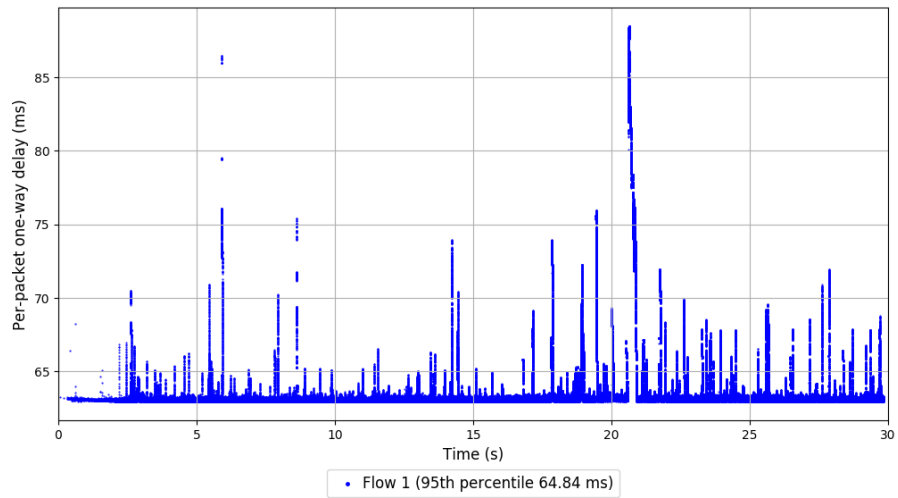
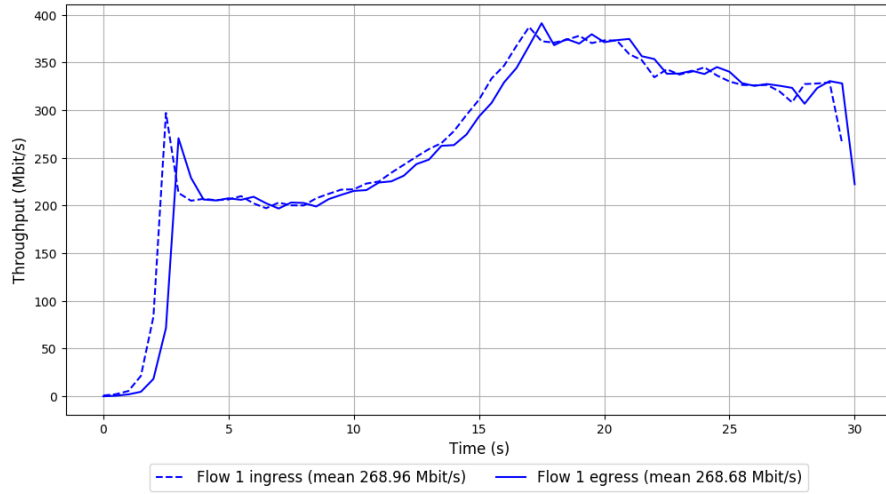
-- Total of 1 flow:

Average throughput: 268.68 Mbit/s
95th percentile per-packet one-way delay: 64.839 ms
Loss rate: 0.53%

-- Flow 1:

Average throughput: 268.68 Mbit/s
95th percentile per-packet one-way delay: 64.839 ms
Loss rate: 0.53%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-04-24 05:20:57

End at: 2019-04-24 05:21:27

Local clock offset: -0.025 ms

Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-04-24 08:30:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.27 Mbit/s

95th percentile per-packet one-way delay: 154.353 ms

Loss rate: 0.38%

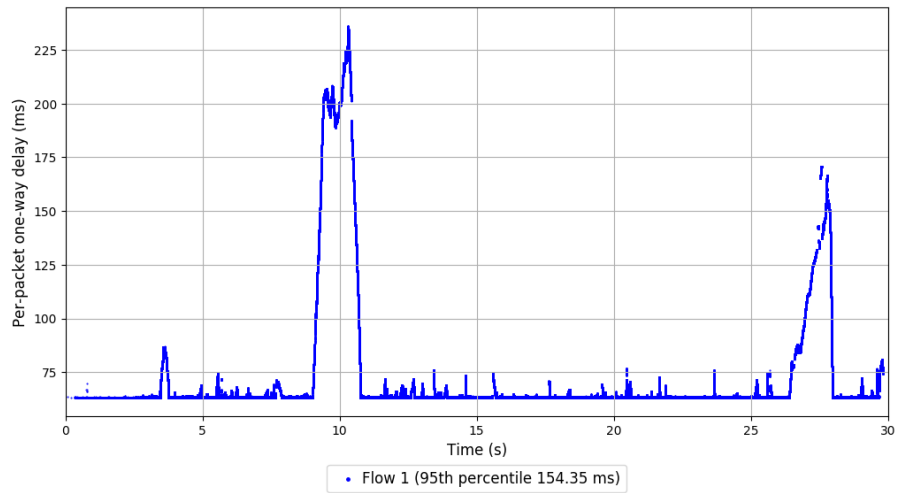
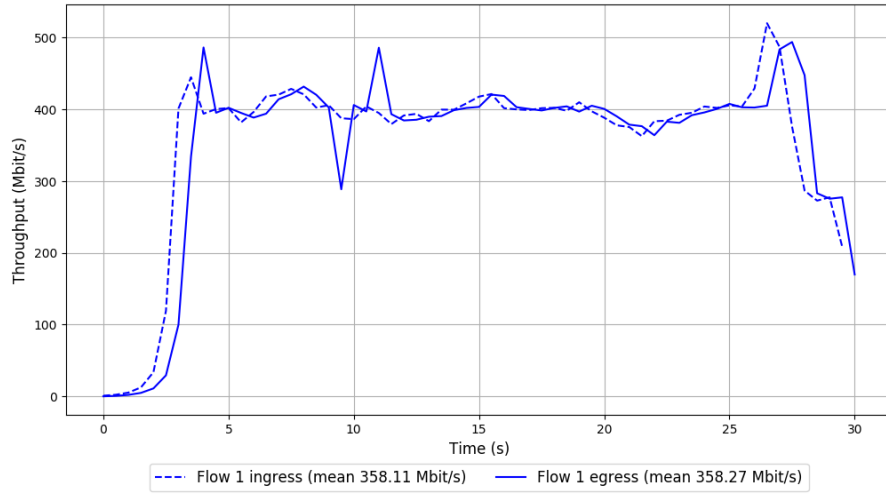
-- Flow 1:

Average throughput: 358.27 Mbit/s

95th percentile per-packet one-way delay: 154.353 ms

Loss rate: 0.38%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-04-24 05:51:55

End at: 2019-04-24 05:52:26

Local clock offset: -0.02 ms

Remote clock offset: 0.563 ms

Below is generated by plot.py at 2019-04-24 08:30:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.89 Mbit/s

95th percentile per-packet one-way delay: 63.231 ms

Loss rate: 0.56%

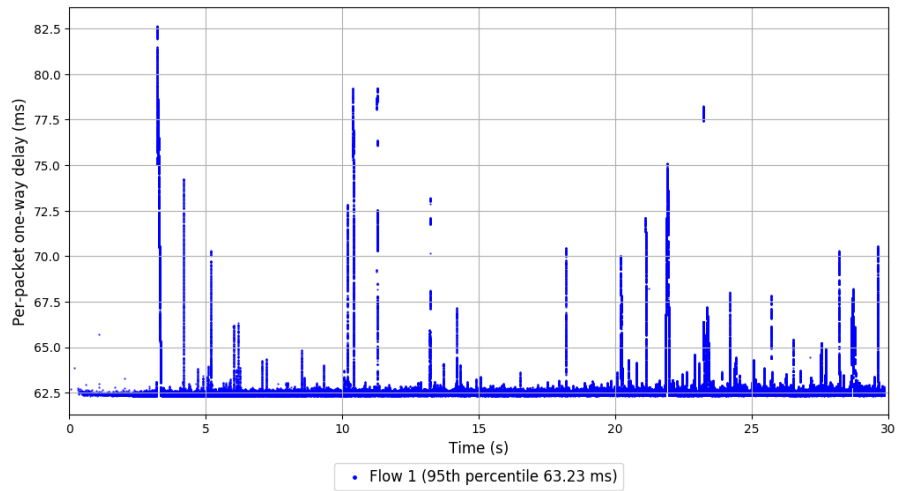
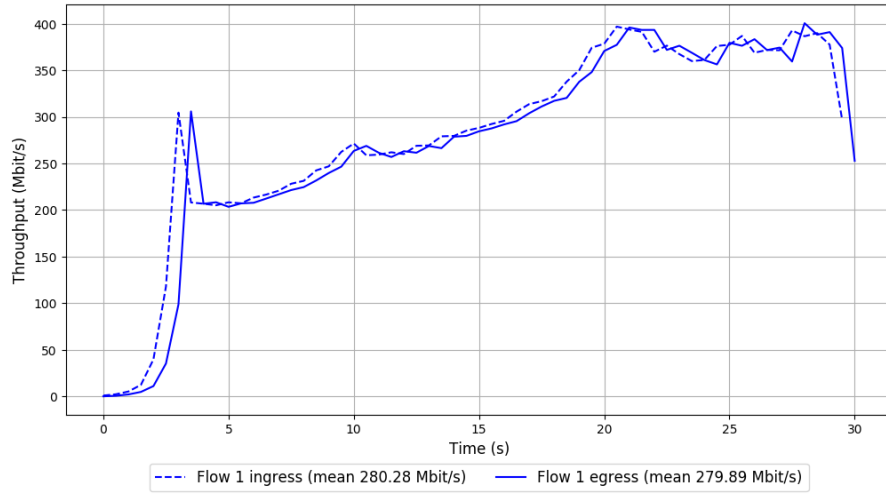
-- Flow 1:

Average throughput: 279.89 Mbit/s

95th percentile per-packet one-way delay: 63.231 ms

Loss rate: 0.56%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-04-24 06:22:40

End at: 2019-04-24 06:23:10

Local clock offset: -0.027 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-04-24 08:30:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.36 Mbit/s

95th percentile per-packet one-way delay: 67.569 ms

Loss rate: 0.47%

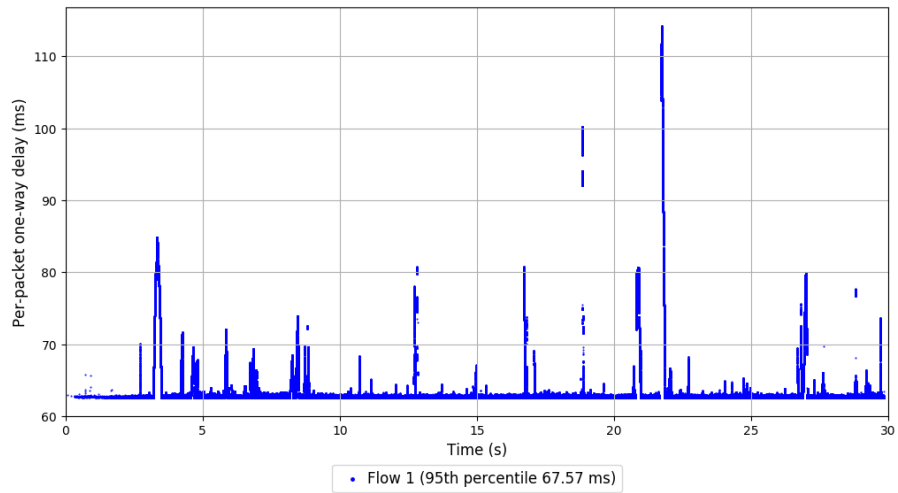
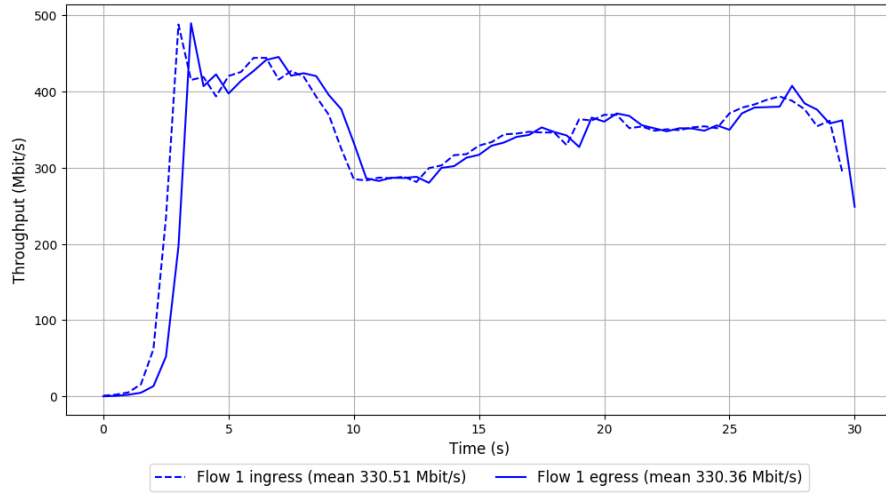
-- Flow 1:

Average throughput: 330.36 Mbit/s

95th percentile per-packet one-way delay: 67.569 ms

Loss rate: 0.47%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-04-24 04:32:46

End at: 2019-04-24 04:33:16

Local clock offset: -0.002 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2019-04-24 08:30:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 63.035 ms

Loss rate: 0.47%

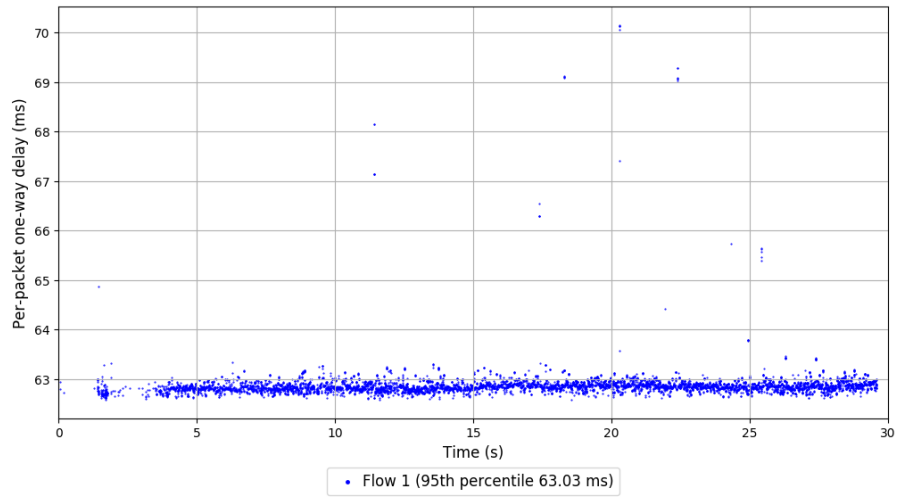
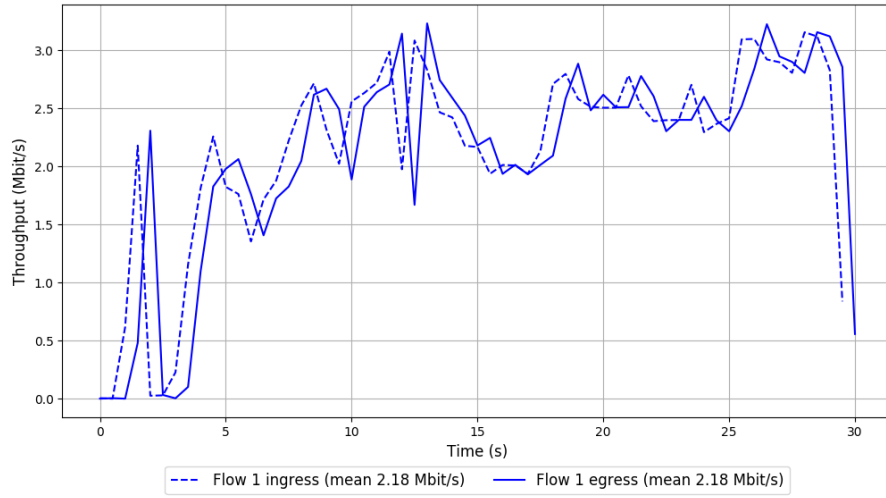
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 63.035 ms

Loss rate: 0.47%

Run 1: Report of WebRTC media — Data Link

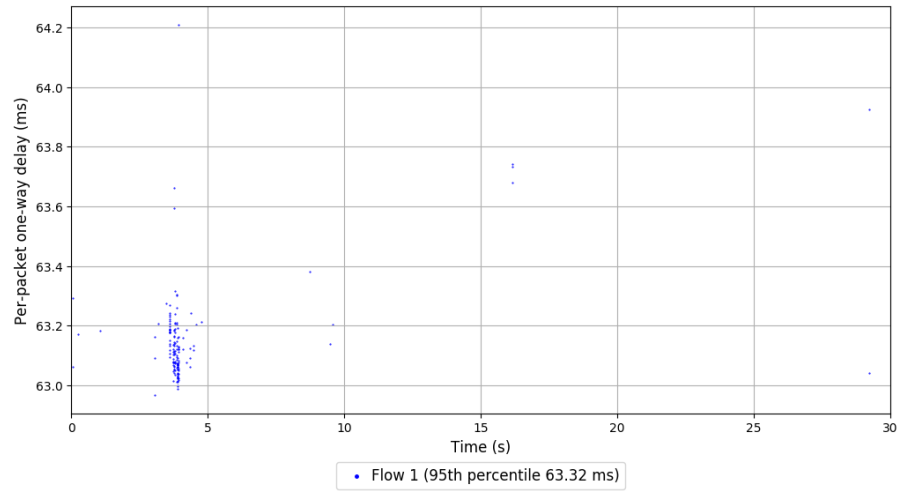
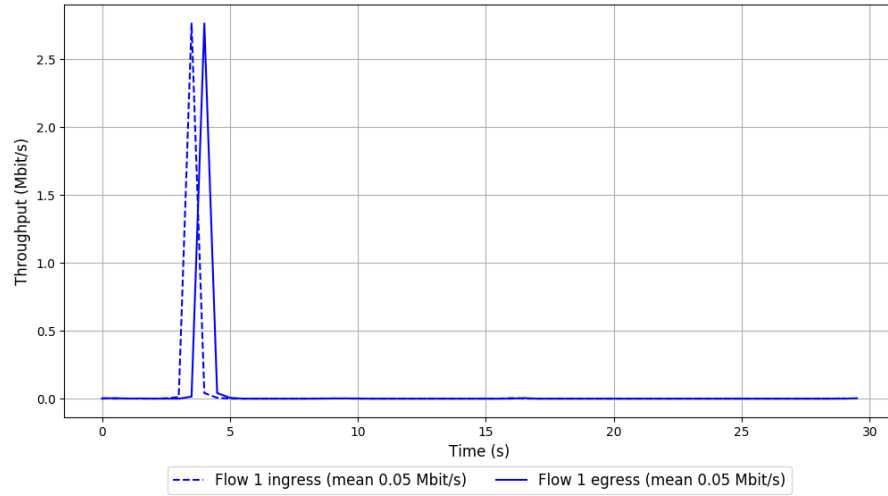


Run 2: Statistics of WebRTC media

Start at: 2019-04-24 05:03:26
End at: 2019-04-24 05:03:56
Local clock offset: -0.076 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-04-24 08:30:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.316 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-04-24 05:34:15

End at: 2019-04-24 05:34:45

Local clock offset: -0.043 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2019-04-24 08:30:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.054 ms

Loss rate: 0.00%

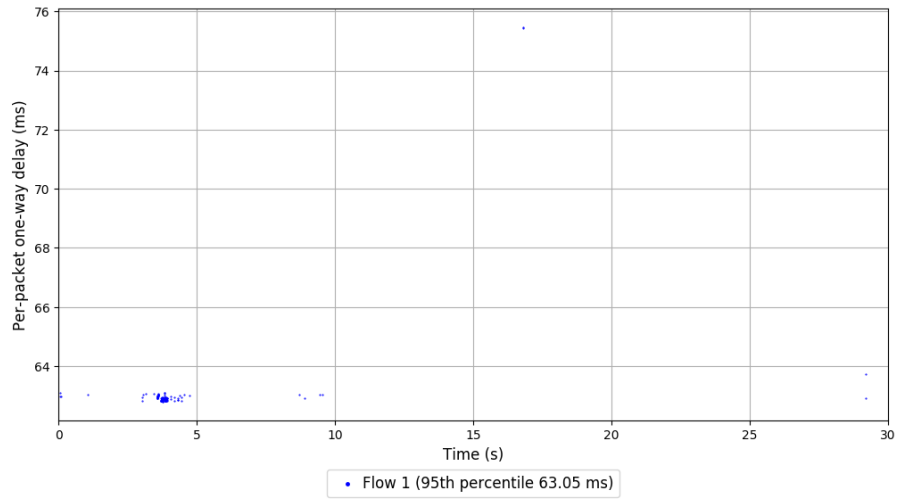
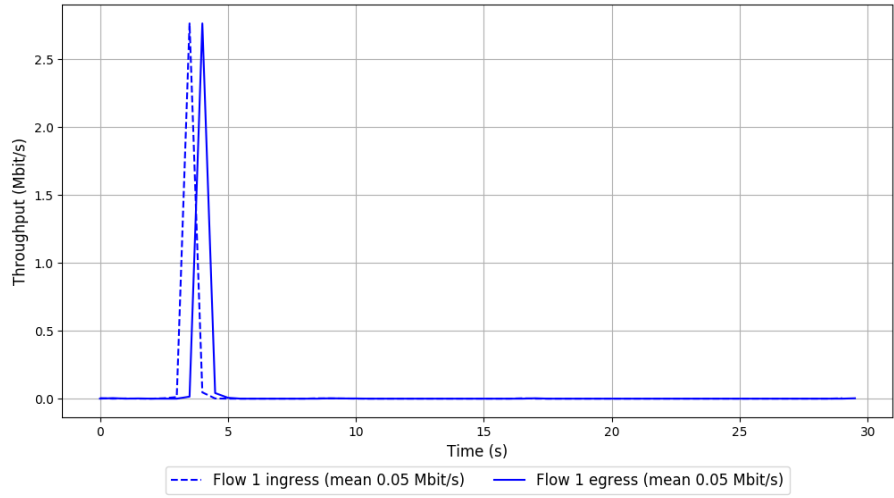
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.054 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

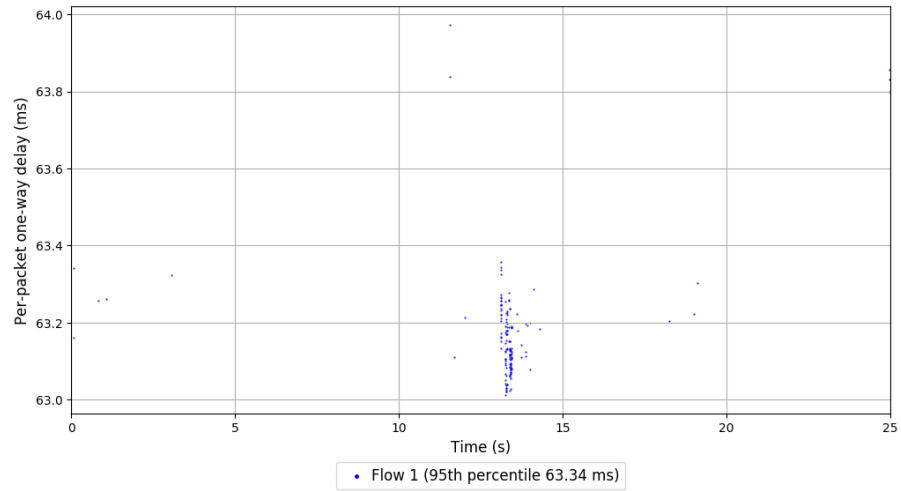
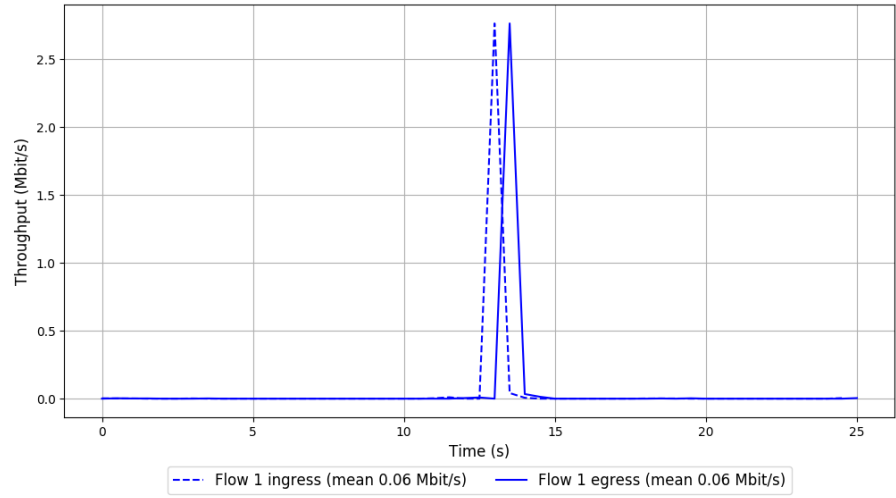


Run 4: Statistics of WebRTC media

Start at: 2019-04-24 06:05:00
End at: 2019-04-24 06:05:30
Local clock offset: -0.042 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-04-24 08:30:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 63.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 63.342 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-04-24 06:35:39
End at: 2019-04-24 06:36:09
Local clock offset: -0.029 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2019-04-24 08:30:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.325 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

