

Pantheon Report

Generated at 2019-05-29 22:32:04 (UTC).

Data path: GCE Iowa on *ens4 (remote)* → GCE Sydney 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:

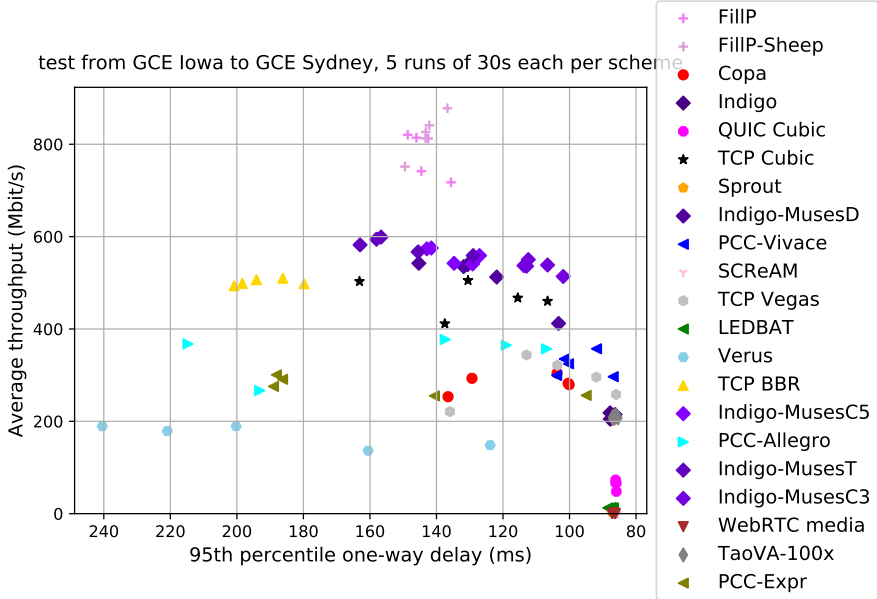
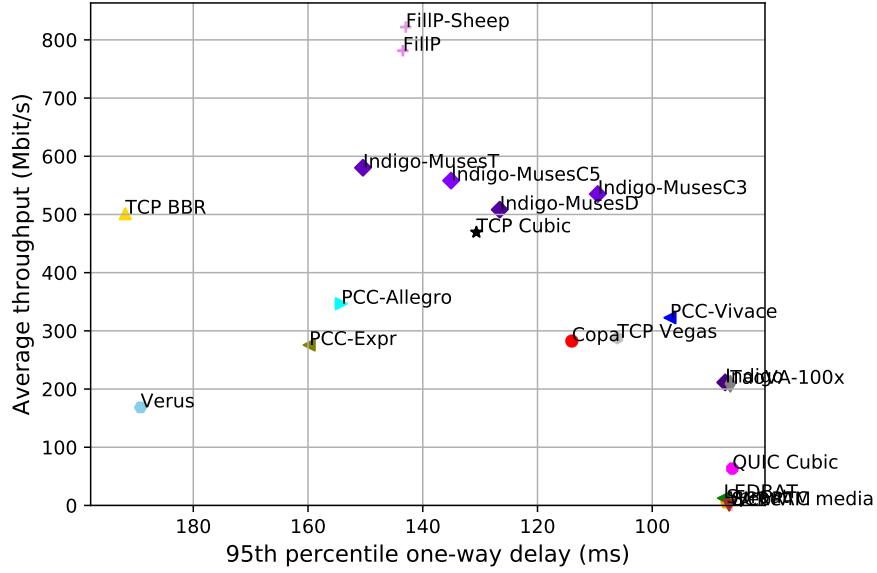
```
Linux 4.15.0-1029-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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



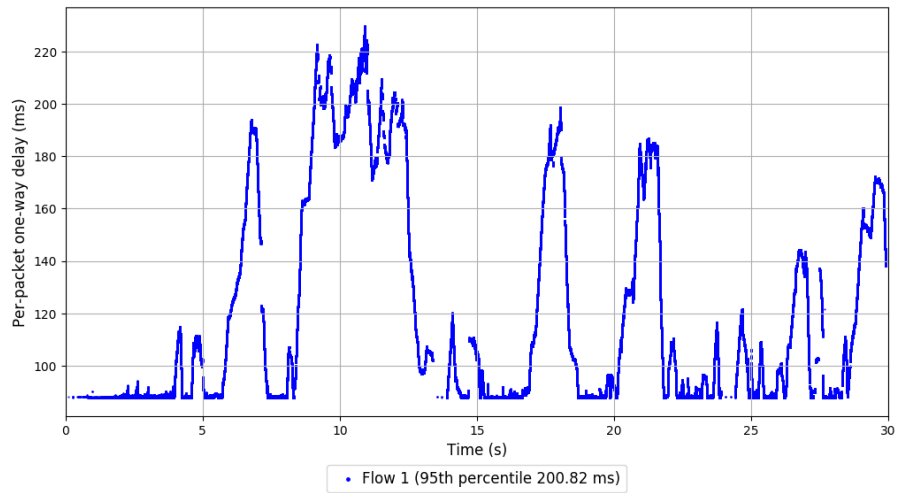
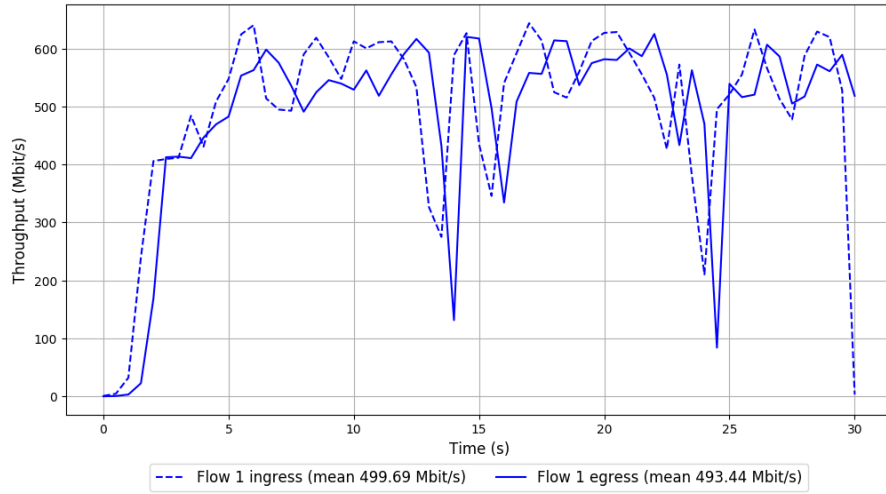
scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	501.34	191.86	1.80
Copa	5	282.46	114.02	0.62
TCP Cubic	5	469.40	130.66	0.66
FillP	5	781.34	143.47	1.89
FillP-Sheep	5	822.00	142.96	1.49
Indigo	4	211.41	87.28	0.62
Indigo-MusesC3	5	535.12	109.50	0.65
Indigo-MusesC5	5	558.17	135.06	0.77
Indigo-MusesD	5	508.22	126.59	0.73
Indigo-MusesT	5	580.27	150.43	0.69
LEDBAT	5	12.50	87.58	1.15
PCC-Allegro	5	346.61	154.21	2.66
PCC-Expr	5	275.66	159.80	1.77
QUIC Cubic	4	63.37	86.04	0.90
SReAM	5	0.22	86.16	0.56
Sprout	5	4.22	87.06	0.56
TaoVA-100x	5	209.03	86.40	0.58
TCP Vegas	5	288.02	106.10	0.46
Verus	5	168.50	189.19	3.04
PCC-Vivace	5	322.54	96.91	0.67
WebRTC media	4	0.54	86.60	0.27

Run 1: Statistics of TCP BBR

Start at: 2019-05-29 18:24:35
End at: 2019-05-29 18:25:05
Local clock offset: 19.531 ms
Remote clock offset: 16.577 ms

Below is generated by plot.py at 2019-05-29 21:02:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 493.44 Mbit/s
95th percentile per-packet one-way delay: 200.823 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 493.44 Mbit/s
95th percentile per-packet one-way delay: 200.823 ms
Loss rate: 1.82%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-29 18:55:34

End at: 2019-05-29 18:56:04

Local clock offset: 23.011 ms

Remote clock offset: 21.56 ms

Below is generated by plot.py at 2019-05-29 21:02:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.97 Mbit/s

95th percentile per-packet one-way delay: 186.179 ms

Loss rate: 1.62%

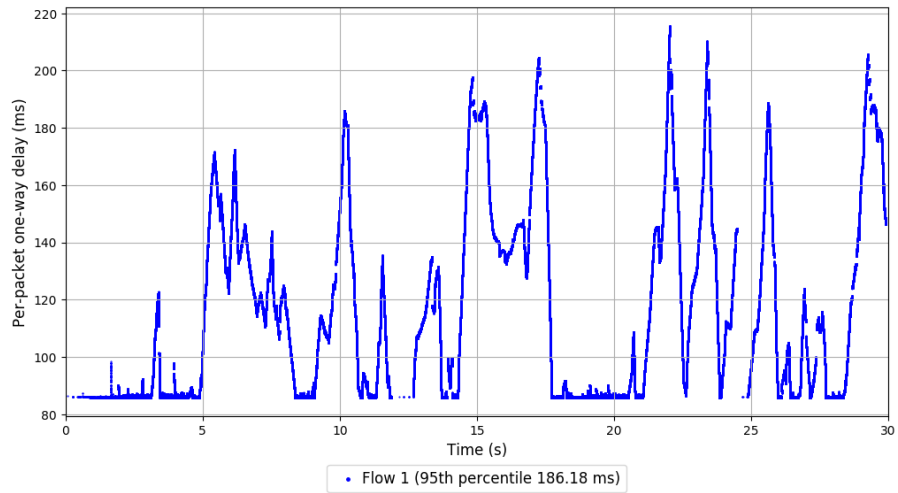
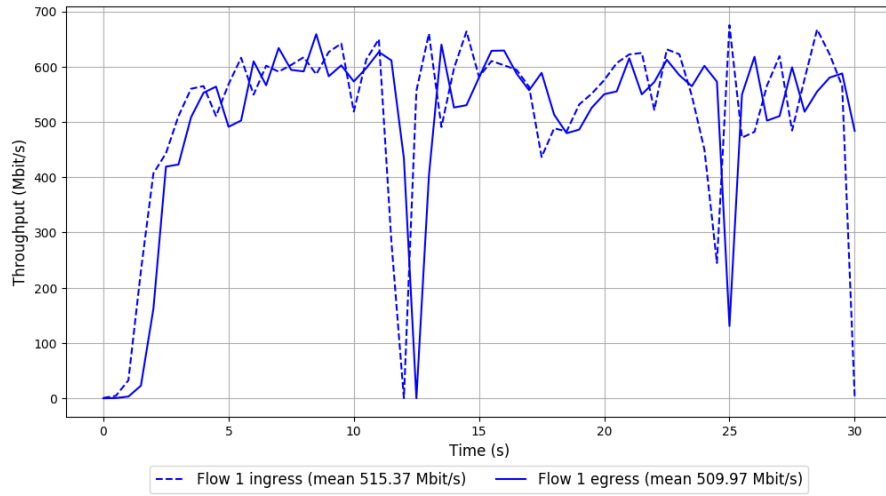
-- Flow 1:

Average throughput: 509.97 Mbit/s

95th percentile per-packet one-way delay: 186.179 ms

Loss rate: 1.62%

Run 2: Report of TCP BBR — Data Link

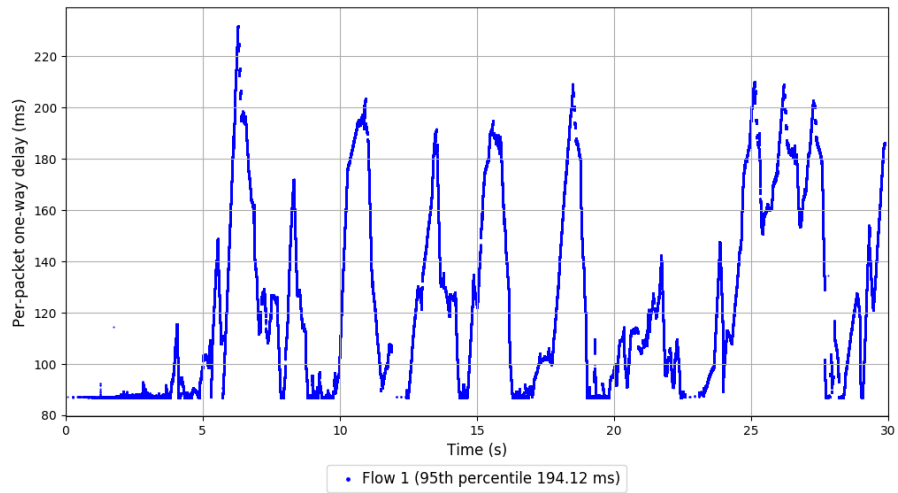
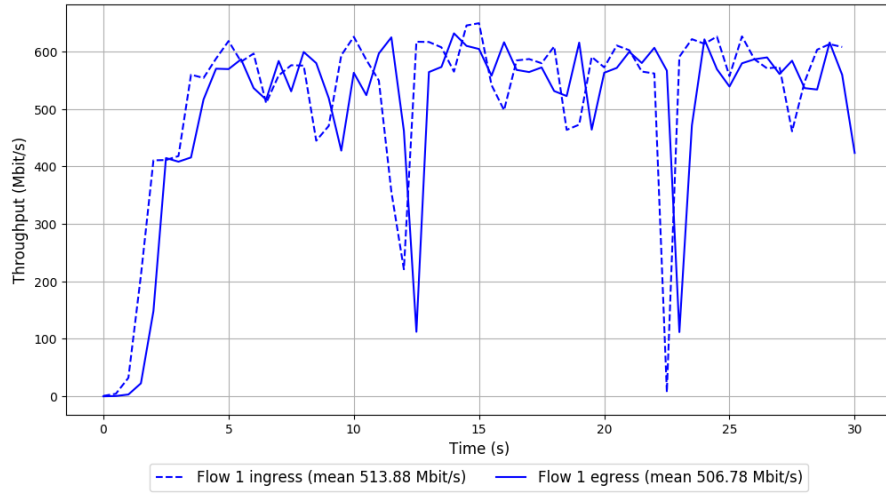


Run 3: Statistics of TCP BBR

Start at: 2019-05-29 19:26:27
End at: 2019-05-29 19:26:57
Local clock offset: 15.706 ms
Remote clock offset: 17.064 ms

Below is generated by plot.py at 2019-05-29 21:02:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.78 Mbit/s
95th percentile per-packet one-way delay: 194.119 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 506.78 Mbit/s
95th percentile per-packet one-way delay: 194.119 ms
Loss rate: 1.95%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-29 19:57:24

End at: 2019-05-29 19:57:54

Local clock offset: 5.973 ms

Remote clock offset: 8.873 ms

Below is generated by plot.py at 2019-05-29 21:02:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 497.85 Mbit/s

95th percentile per-packet one-way delay: 179.797 ms

Loss rate: 1.03%

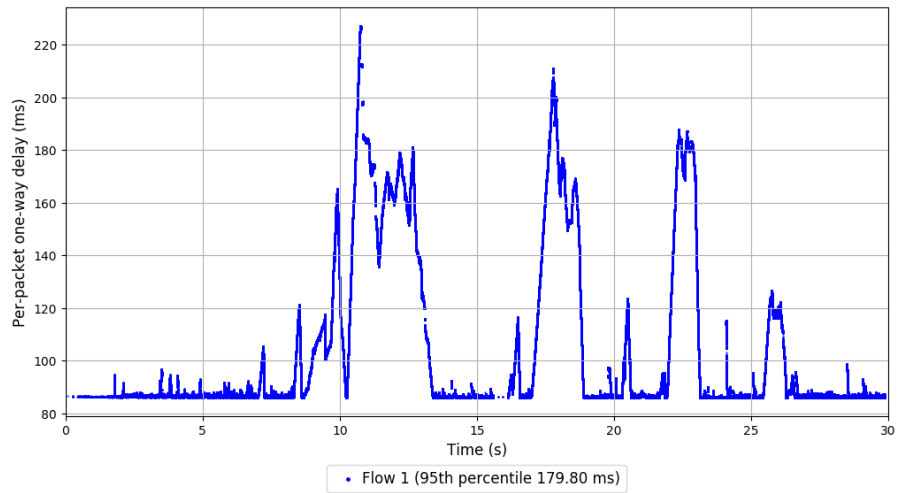
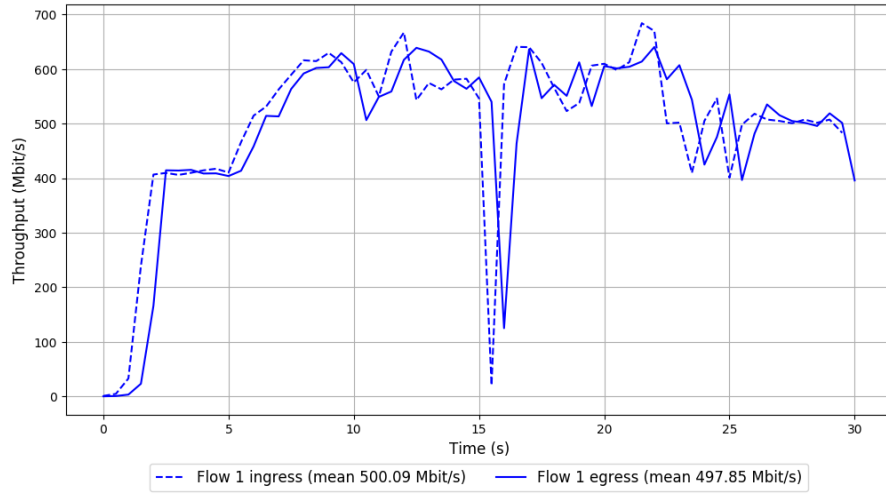
-- Flow 1:

Average throughput: 497.85 Mbit/s

95th percentile per-packet one-way delay: 179.797 ms

Loss rate: 1.03%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-29 20:28:22

End at: 2019-05-29 20:28:52

Local clock offset: 3.173 ms

Remote clock offset: 2.914 ms

Below is generated by plot.py at 2019-05-29 21:02:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.66 Mbit/s

95th percentile per-packet one-way delay: 198.364 ms

Loss rate: 2.60%

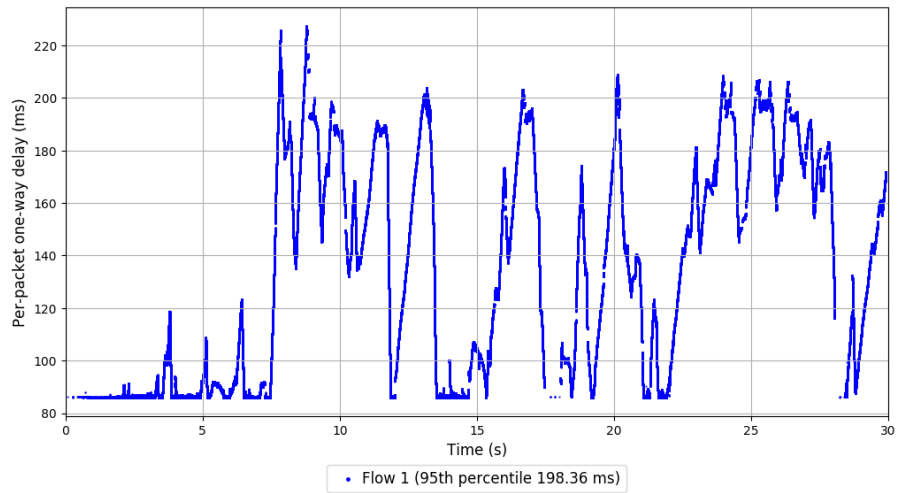
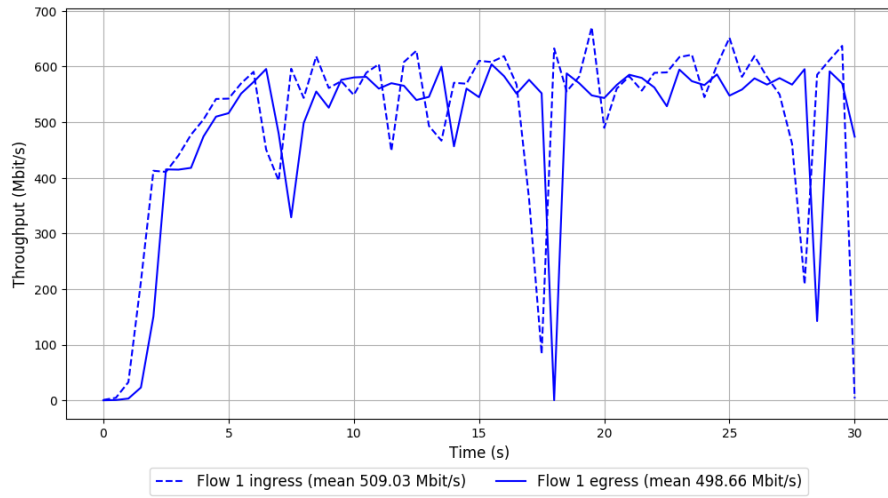
-- Flow 1:

Average throughput: 498.66 Mbit/s

95th percentile per-packet one-way delay: 198.364 ms

Loss rate: 2.60%

Run 5: Report of TCP BBR — Data Link

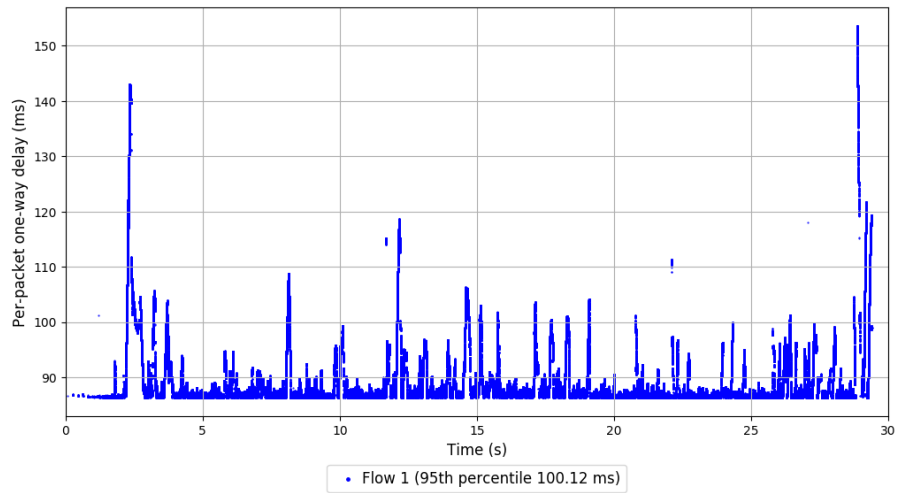
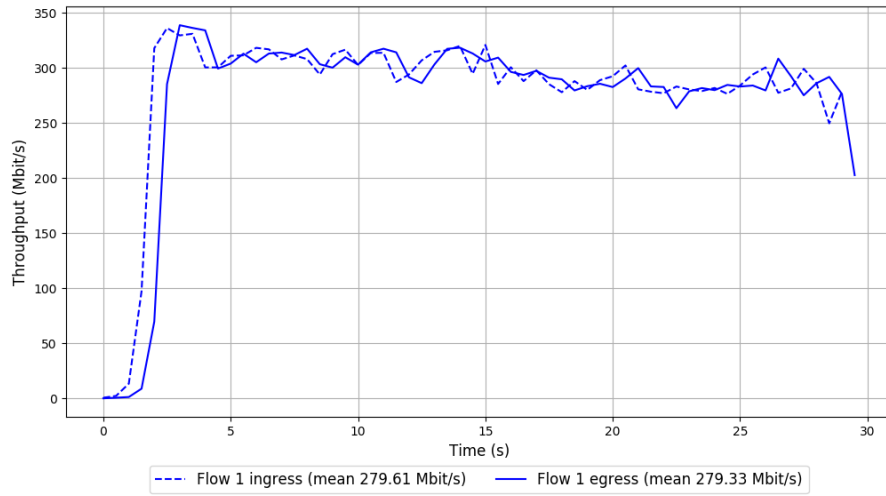


Run 1: Statistics of Copa

Start at: 2019-05-29 18:29:33
End at: 2019-05-29 18:30:03
Local clock offset: 14.703 ms
Remote clock offset: 13.144 ms

Below is generated by plot.py at 2019-05-29 21:02:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.33 Mbit/s
95th percentile per-packet one-way delay: 100.117 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 279.33 Mbit/s
95th percentile per-packet one-way delay: 100.117 ms
Loss rate: 0.68%

Run 1: Report of Copa — Data Link

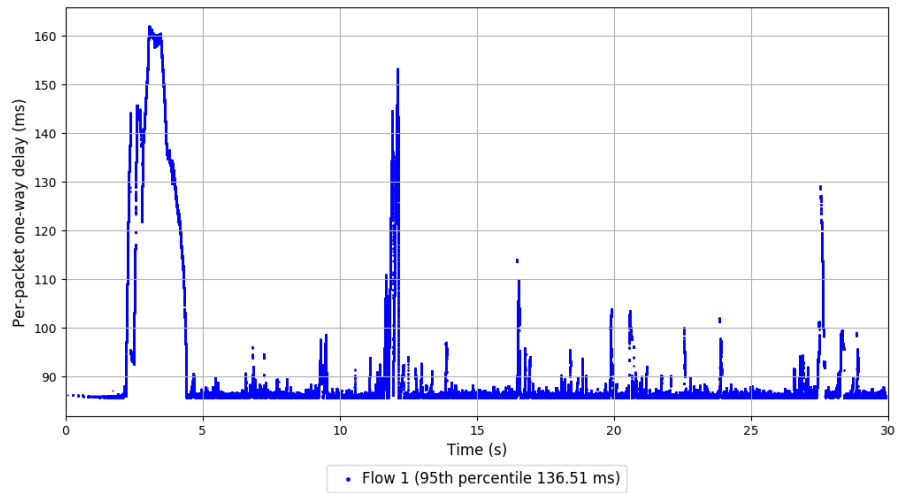
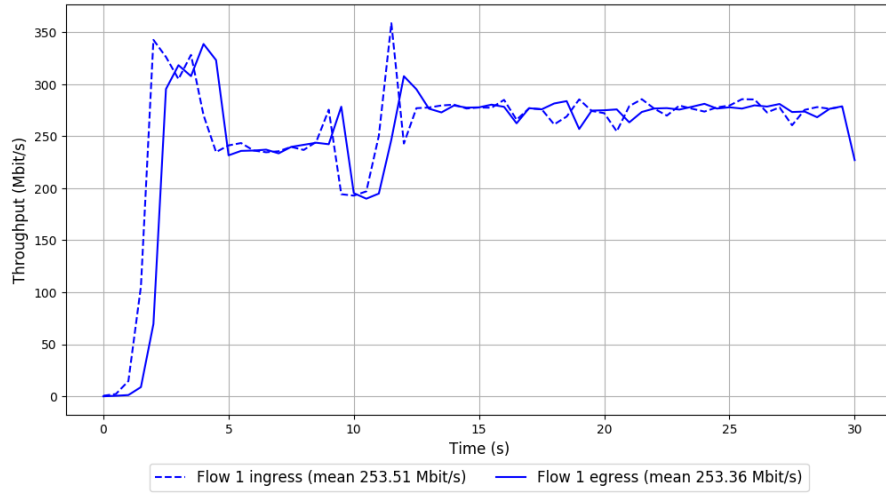


Run 2: Statistics of Copa

Start at: 2019-05-29 19:00:29
End at: 2019-05-29 19:00:59
Local clock offset: 26.853 ms
Remote clock offset: 24.944 ms

Below is generated by plot.py at 2019-05-29 21:02:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.36 Mbit/s
95th percentile per-packet one-way delay: 136.515 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 253.36 Mbit/s
95th percentile per-packet one-way delay: 136.515 ms
Loss rate: 0.63%

Run 2: Report of Copa — Data Link

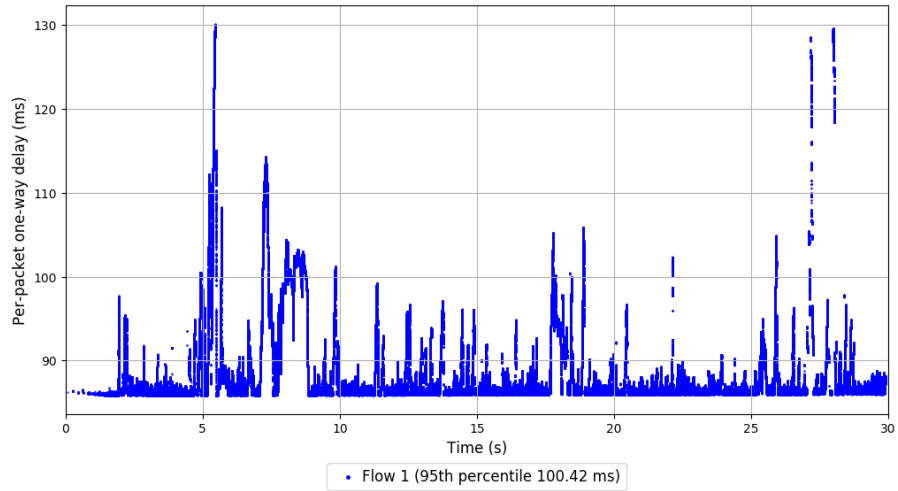
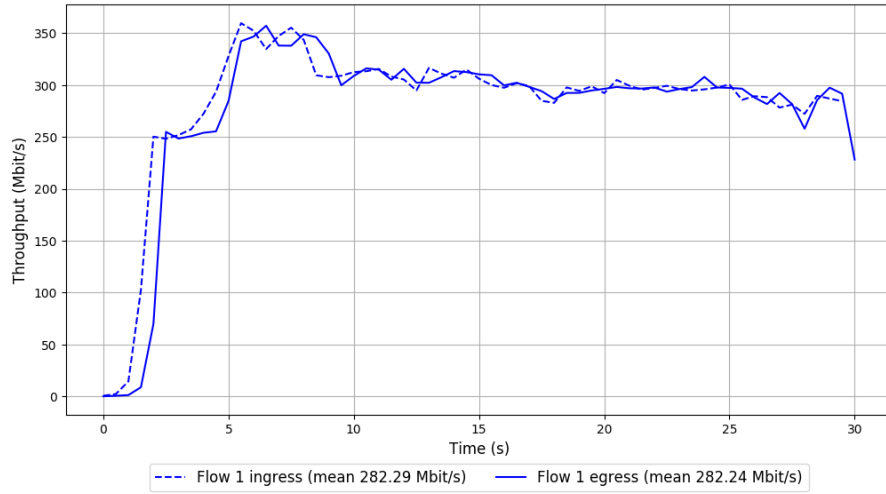


Run 3: Statistics of Copa

Start at: 2019-05-29 19:31:17
End at: 2019-05-29 19:31:47
Local clock offset: 11.09 ms
Remote clock offset: 14.893 ms

Below is generated by plot.py at 2019-05-29 21:02:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.24 Mbit/s
95th percentile per-packet one-way delay: 100.416 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 282.24 Mbit/s
95th percentile per-packet one-way delay: 100.416 ms
Loss rate: 0.59%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-05-29 20:02:18

End at: 2019-05-29 20:02:48

Local clock offset: 4.417 ms

Remote clock offset: 6.098 ms

Below is generated by plot.py at 2019-05-29 21:11:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.14 Mbit/s

95th percentile per-packet one-way delay: 129.324 ms

Loss rate: 0.55%

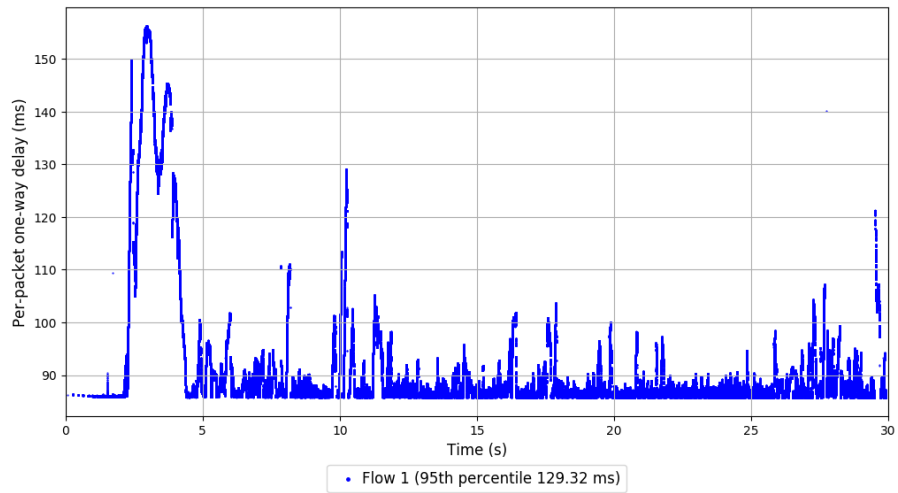
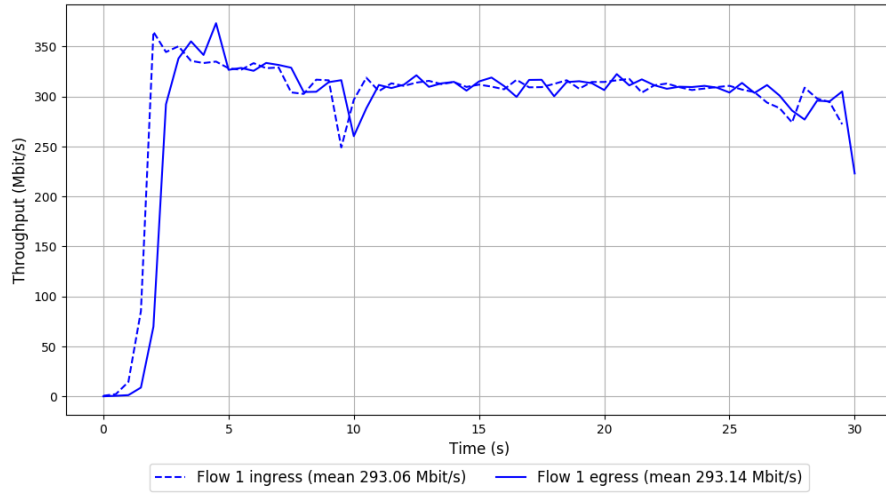
-- Flow 1:

Average throughput: 293.14 Mbit/s

95th percentile per-packet one-way delay: 129.324 ms

Loss rate: 0.55%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-05-29 20:33:17

End at: 2019-05-29 20:33:47

Local clock offset: 2.224 ms

Remote clock offset: 1.999 ms

Below is generated by plot.py at 2019-05-29 21:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.23 Mbit/s

95th percentile per-packet one-way delay: 103.737 ms

Loss rate: 0.67%

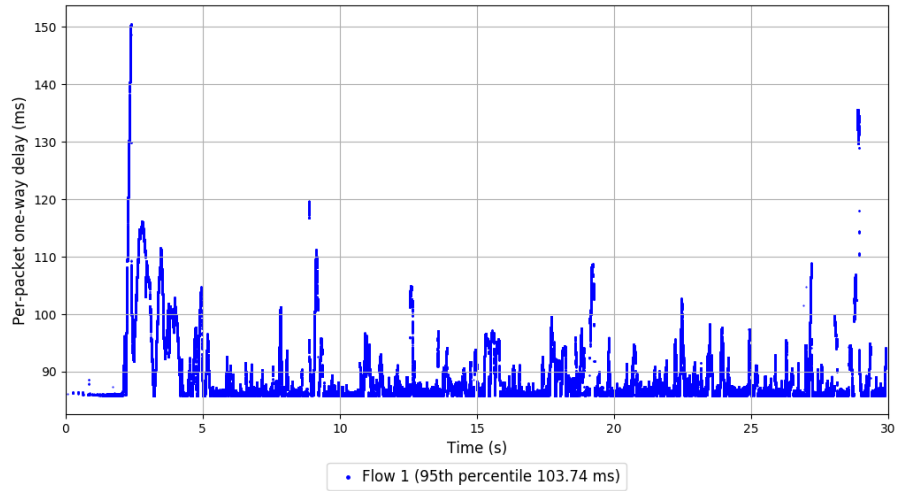
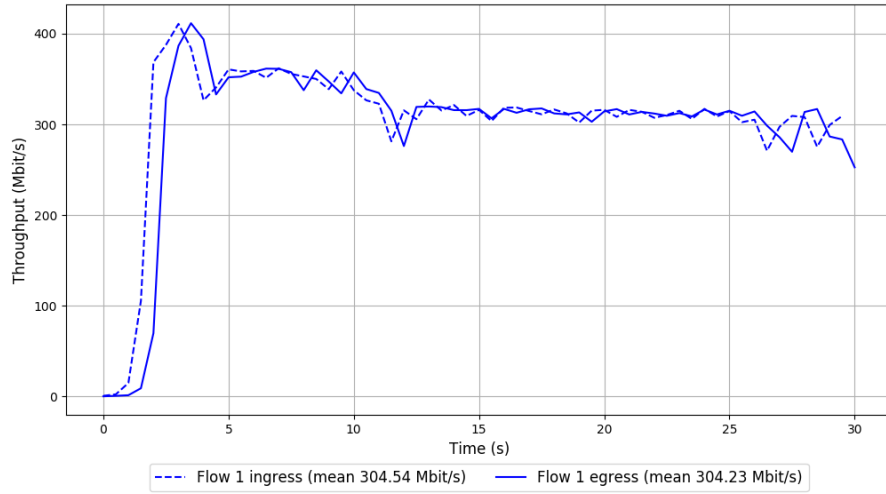
-- Flow 1:

Average throughput: 304.23 Mbit/s

95th percentile per-packet one-way delay: 103.737 ms

Loss rate: 0.67%

Run 5: Report of Copa — Data Link

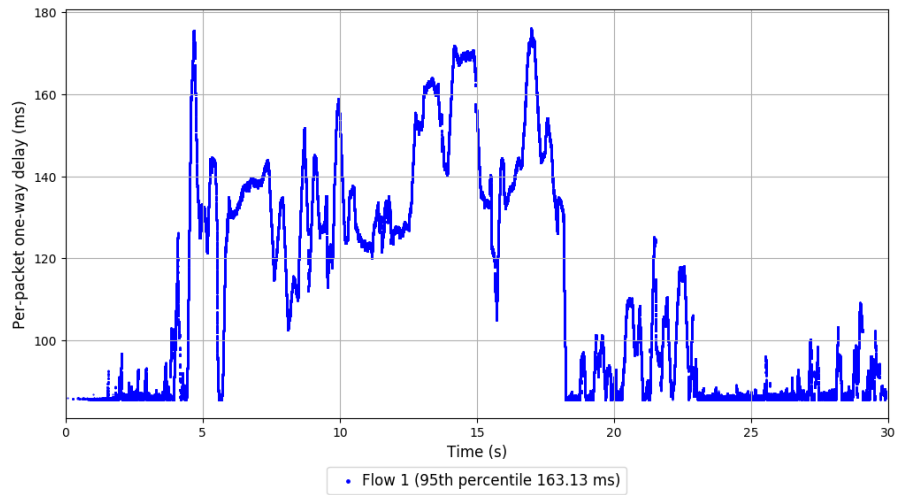
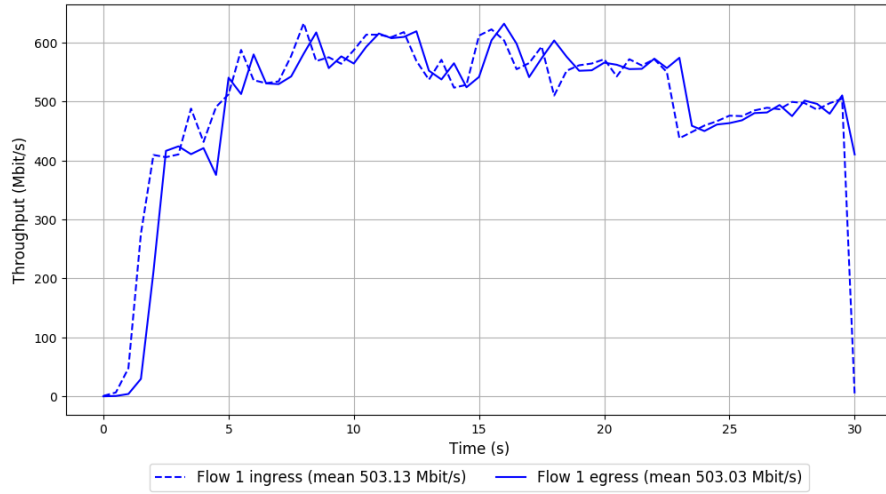


Run 1: Statistics of TCP Cubic

Start at: 2019-05-29 18:26:14
End at: 2019-05-29 18:26:44
Local clock offset: 15.15 ms
Remote clock offset: 14.143 ms

Below is generated by plot.py at 2019-05-29 21:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.03 Mbit/s
95th percentile per-packet one-way delay: 163.135 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 503.03 Mbit/s
95th percentile per-packet one-way delay: 163.135 ms
Loss rate: 0.59%

Run 1: Report of TCP Cubic — Data Link

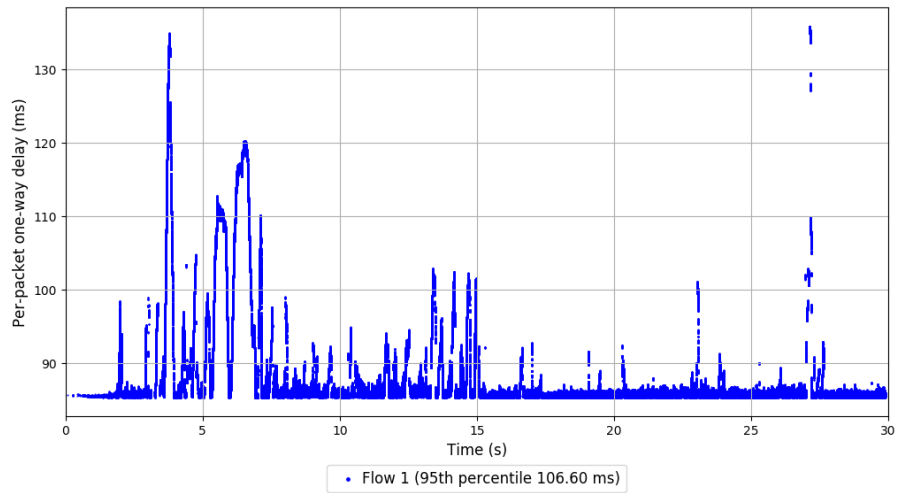
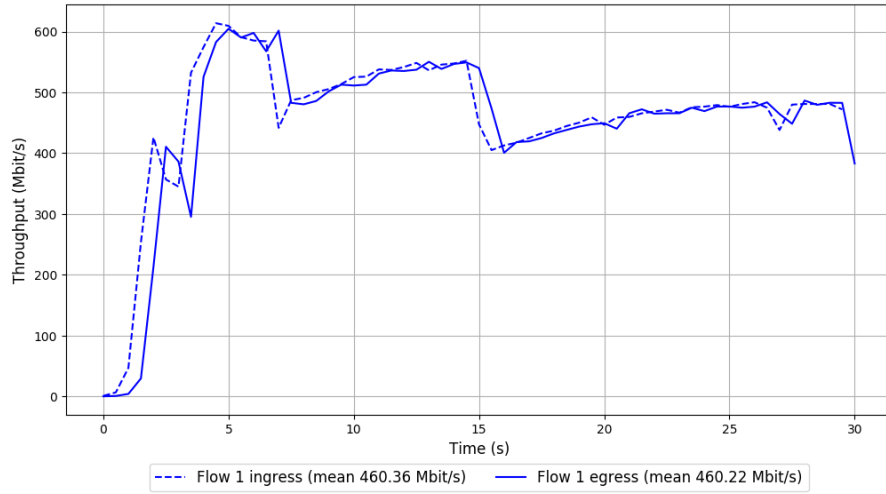


Run 2: Statistics of TCP Cubic

Start at: 2019-05-29 18:57:12
End at: 2019-05-29 18:57:42
Local clock offset: 24.069 ms
Remote clock offset: 22.568 ms

Below is generated by plot.py at 2019-05-29 21:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.22 Mbit/s
95th percentile per-packet one-way delay: 106.603 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 460.22 Mbit/s
95th percentile per-packet one-way delay: 106.603 ms
Loss rate: 0.60%

Run 2: Report of TCP Cubic — Data Link

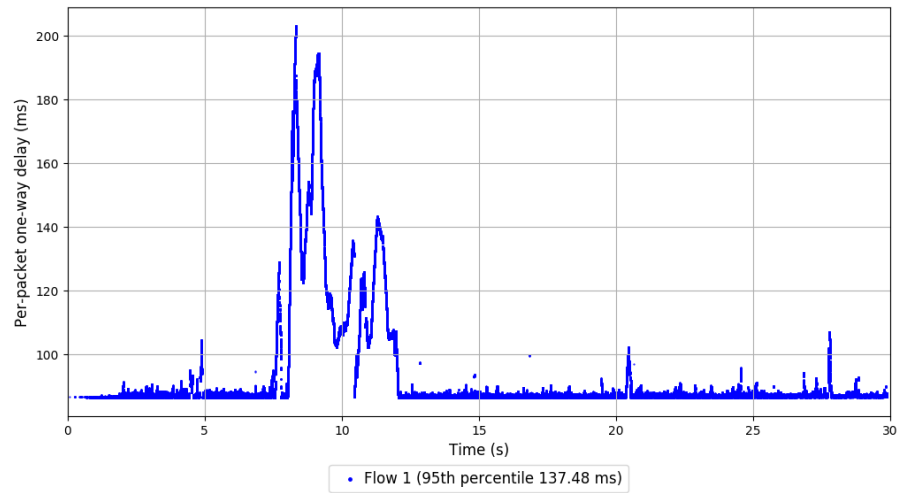
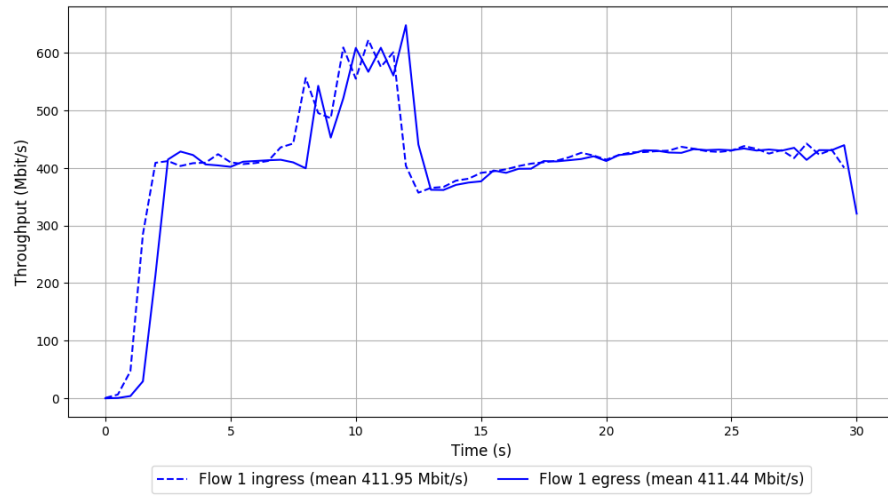


Run 3: Statistics of TCP Cubic

Start at: 2019-05-29 19:28:05
End at: 2019-05-29 19:28:35
Local clock offset: 14.184 ms
Remote clock offset: 15.956 ms

Below is generated by plot.py at 2019-05-29 21:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 411.44 Mbit/s
95th percentile per-packet one-way delay: 137.481 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 411.44 Mbit/s
95th percentile per-packet one-way delay: 137.481 ms
Loss rate: 0.70%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-29 19:59:02

End at: 2019-05-29 19:59:32

Local clock offset: 4.58 ms

Remote clock offset: 7.755 ms

Below is generated by plot.py at 2019-05-29 21:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.09 Mbit/s

95th percentile per-packet one-way delay: 130.516 ms

Loss rate: 0.66%

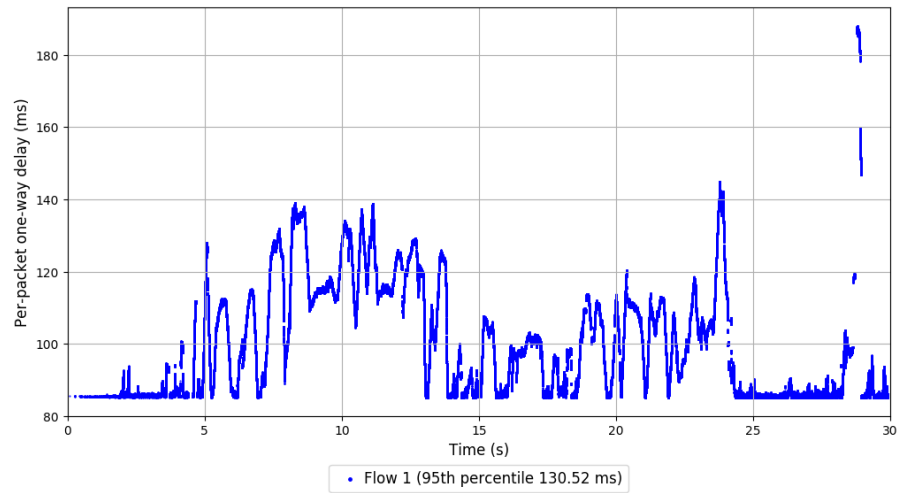
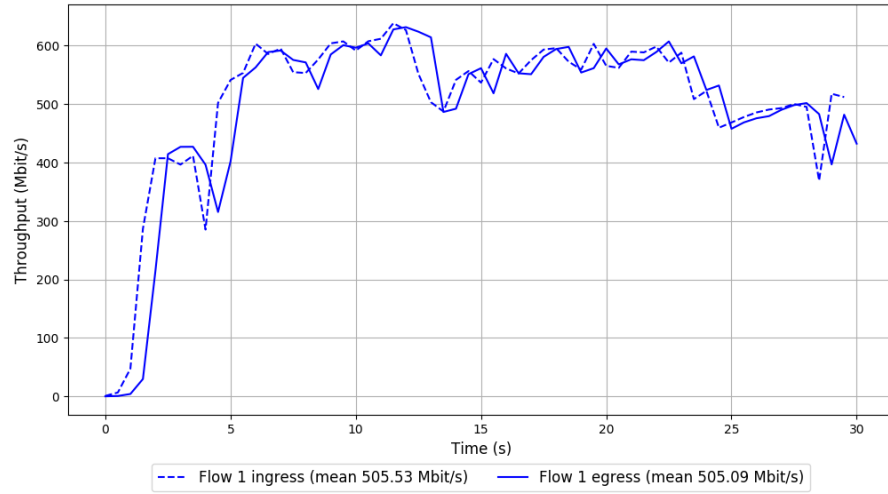
-- Flow 1:

Average throughput: 505.09 Mbit/s

95th percentile per-packet one-way delay: 130.516 ms

Loss rate: 0.66%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-29 20:30:00

End at: 2019-05-29 20:30:30

Local clock offset: 2.712 ms

Remote clock offset: 2.529 ms

Below is generated by plot.py at 2019-05-29 21:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.23 Mbit/s

95th percentile per-packet one-way delay: 115.550 ms

Loss rate: 0.76%

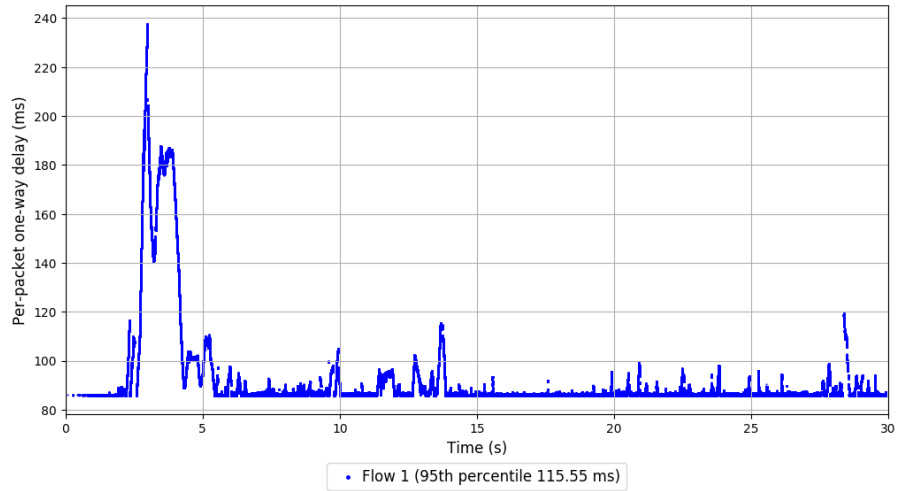
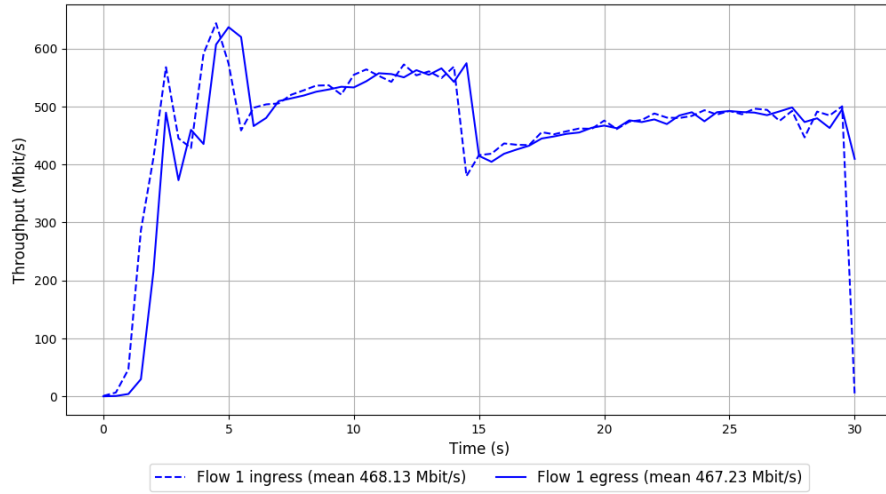
-- Flow 1:

Average throughput: 467.23 Mbit/s

95th percentile per-packet one-way delay: 115.550 ms

Loss rate: 0.76%

Run 5: Report of TCP Cubic — Data Link

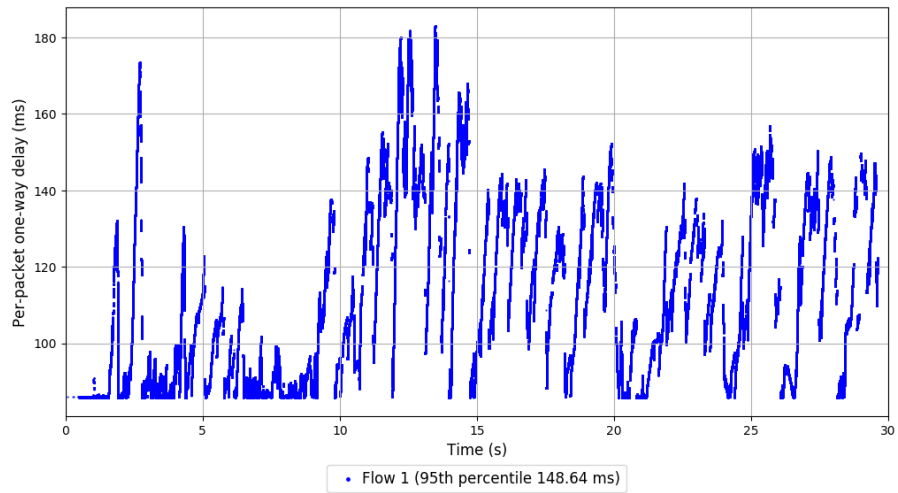
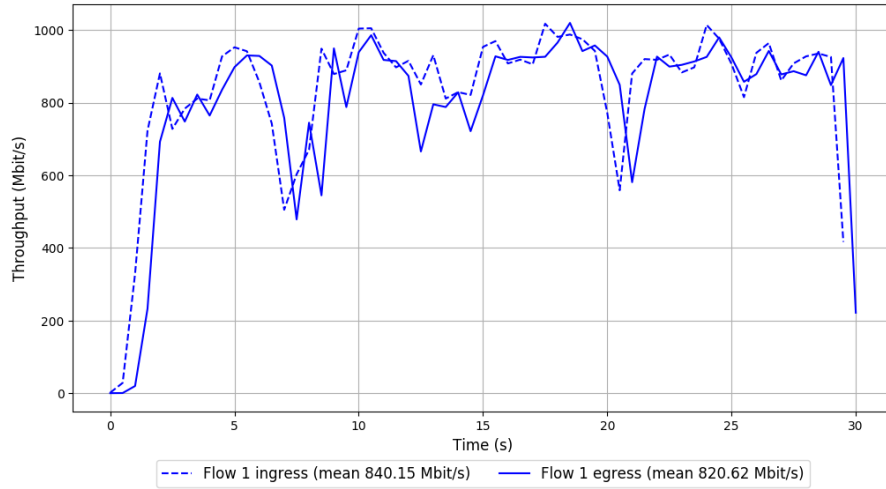


Run 1: Statistics of FillP

Start at: 2019-05-29 18:27:49
End at: 2019-05-29 18:28:19
Local clock offset: 14.339 ms
Remote clock offset: 13.107 ms

Below is generated by plot.py at 2019-05-29 21:19:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 820.62 Mbit/s
95th percentile per-packet one-way delay: 148.641 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 820.62 Mbit/s
95th percentile per-packet one-way delay: 148.641 ms
Loss rate: 2.89%

Run 1: Report of FillP — Data Link

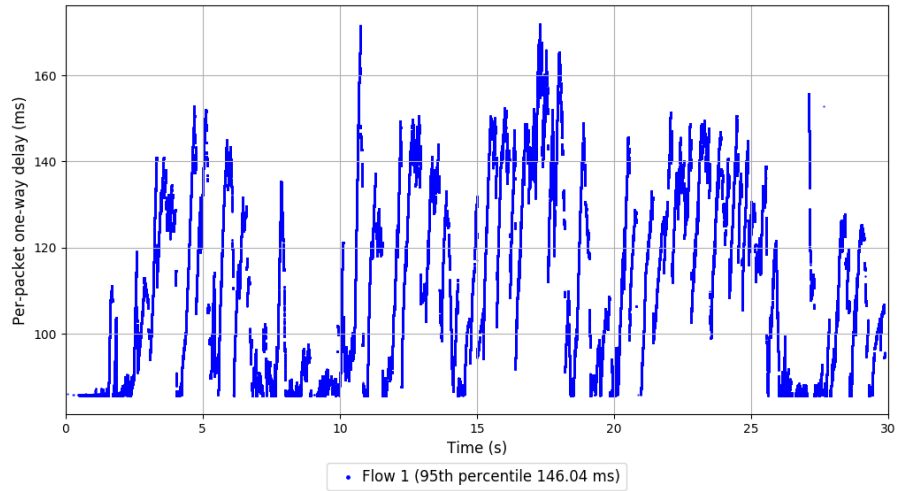
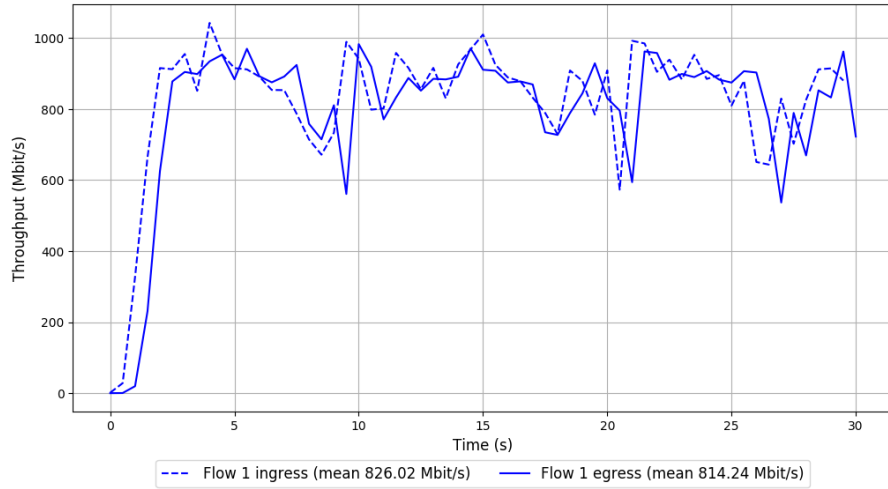


Run 2: Statistics of FillP

Start at: 2019-05-29 18:58:46
End at: 2019-05-29 18:59:16
Local clock offset: 25.329 ms
Remote clock offset: 23.554 ms

Below is generated by plot.py at 2019-05-29 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 814.24 Mbit/s
95th percentile per-packet one-way delay: 146.036 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 814.24 Mbit/s
95th percentile per-packet one-way delay: 146.036 ms
Loss rate: 2.00%

Run 2: Report of FillP — Data Link

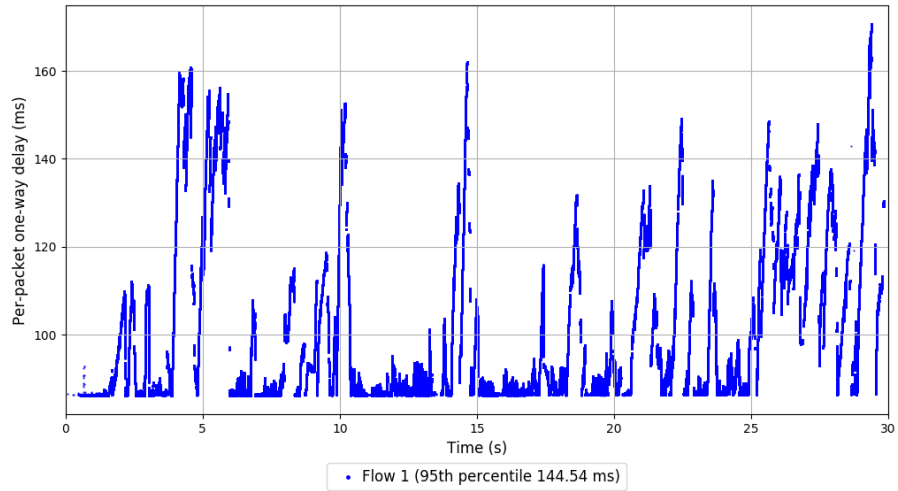
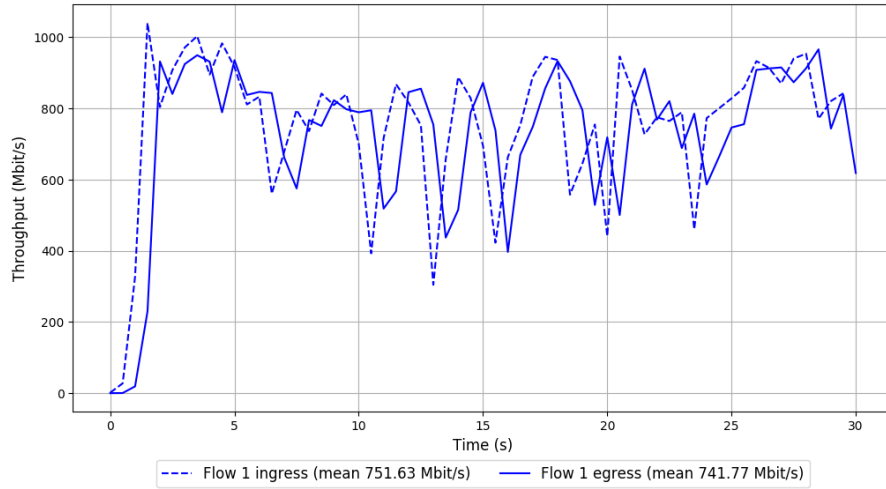


Run 3: Statistics of FillP

Start at: 2019-05-29 19:29:36
End at: 2019-05-29 19:30:06
Local clock offset: 12.703 ms
Remote clock offset: 15.406 ms

Below is generated by plot.py at 2019-05-29 21:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 741.77 Mbit/s
95th percentile per-packet one-way delay: 144.536 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 741.77 Mbit/s
95th percentile per-packet one-way delay: 144.536 ms
Loss rate: 1.88%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-05-29 20:00:37

End at: 2019-05-29 20:01:07

Local clock offset: 4.418 ms

Remote clock offset: 6.787 ms

Below is generated by plot.py at 2019-05-29 21:28:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 717.49 Mbit/s

95th percentile per-packet one-way delay: 135.604 ms

Loss rate: 1.19%

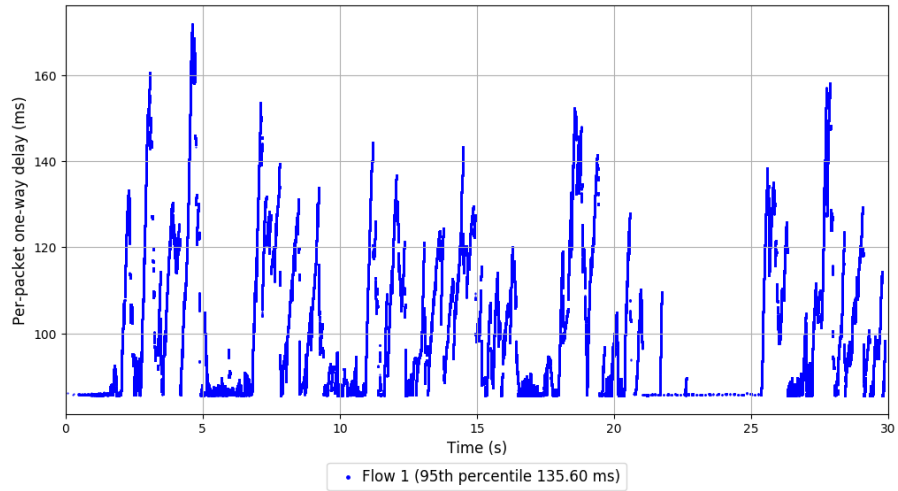
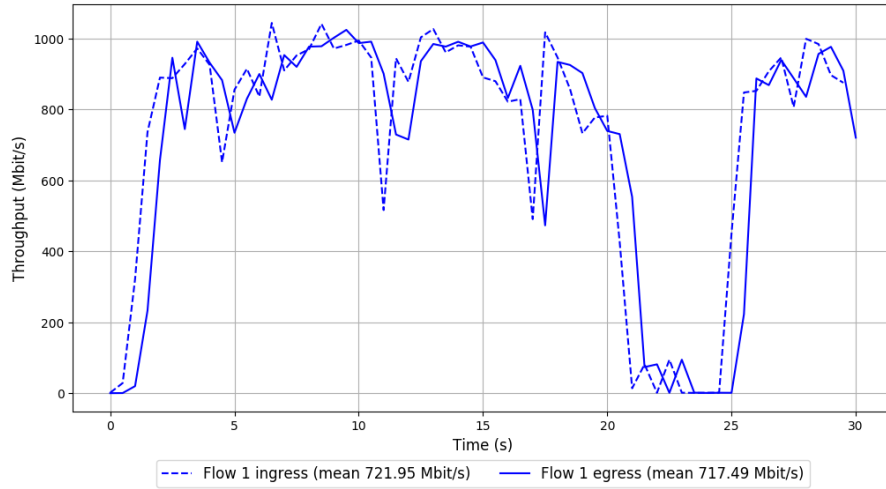
-- Flow 1:

Average throughput: 717.49 Mbit/s

95th percentile per-packet one-way delay: 135.604 ms

Loss rate: 1.19%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-29 20:31:34

End at: 2019-05-29 20:32:04

Local clock offset: 2.441 ms

Remote clock offset: 2.246 ms

Below is generated by plot.py at 2019-05-29 21:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 812.58 Mbit/s

95th percentile per-packet one-way delay: 142.530 ms

Loss rate: 1.51%

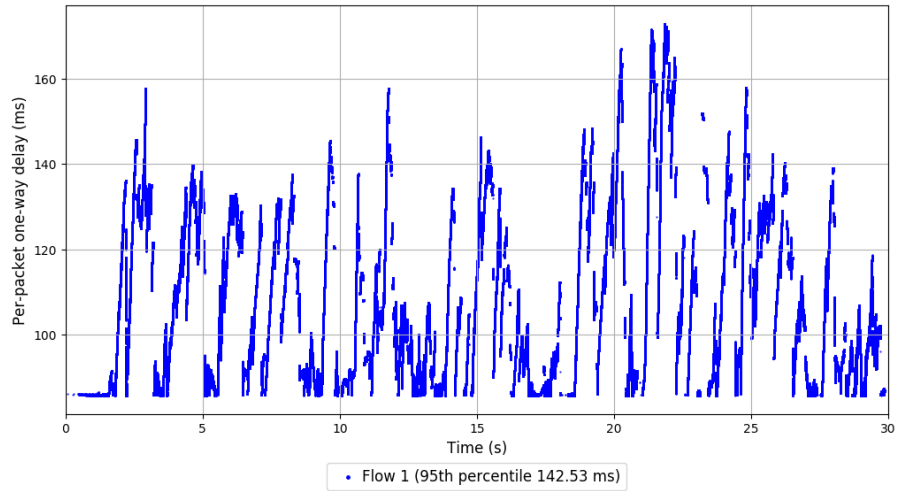
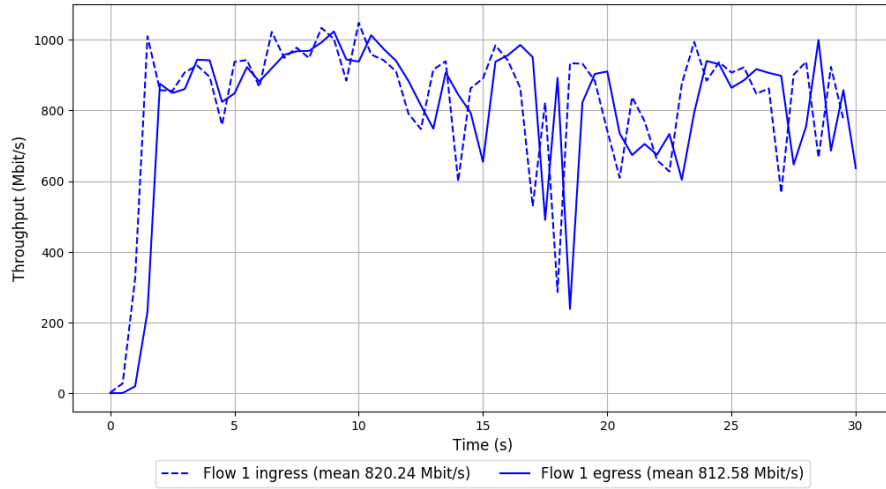
-- Flow 1:

Average throughput: 812.58 Mbit/s

95th percentile per-packet one-way delay: 142.530 ms

Loss rate: 1.51%

Run 5: Report of FillP — Data Link

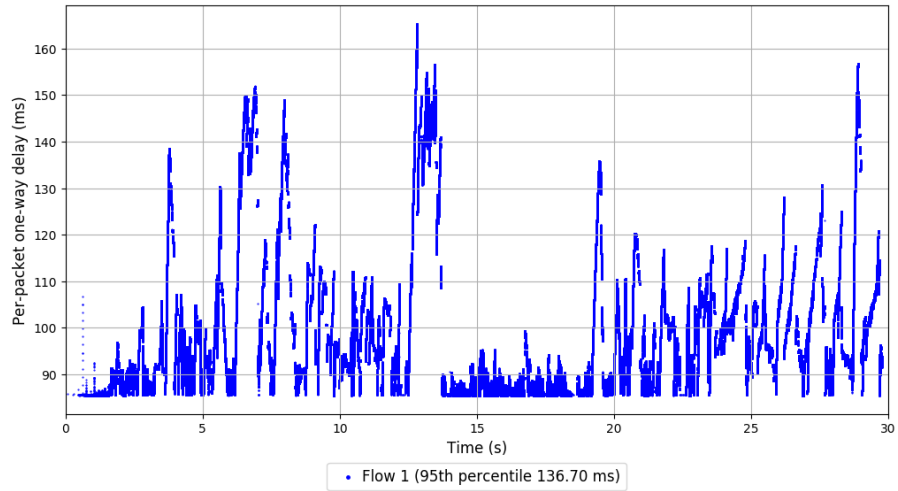
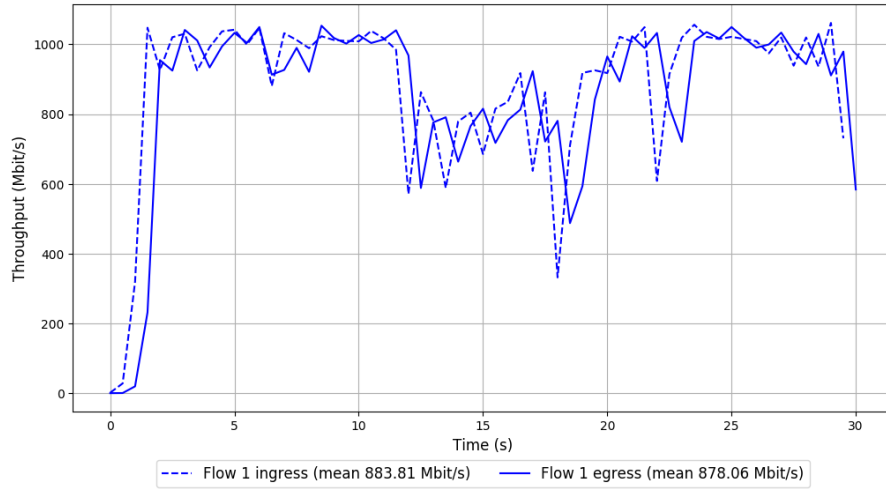


Run 1: Statistics of FillP-Sheep

Start at: 2019-05-29 18:21:15
End at: 2019-05-29 18:21:45
Local clock offset: 12.989 ms
Remote clock offset: 11.964 ms

Below is generated by plot.py at 2019-05-29 21:30:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 878.06 Mbit/s
95th percentile per-packet one-way delay: 136.701 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 878.06 Mbit/s
95th percentile per-packet one-way delay: 136.701 ms
Loss rate: 1.23%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-29 18:52:15

End at: 2019-05-29 18:52:45

Local clock offset: 21.54 ms

Remote clock offset: 20.08 ms

Below is generated by plot.py at 2019-05-29 21:30:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 826.55 Mbit/s

95th percentile per-packet one-way delay: 143.216 ms

Loss rate: 1.57%

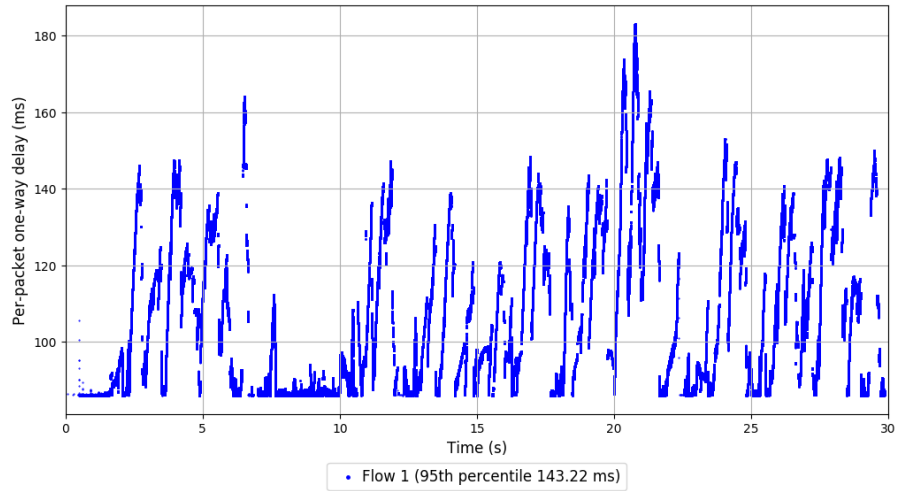
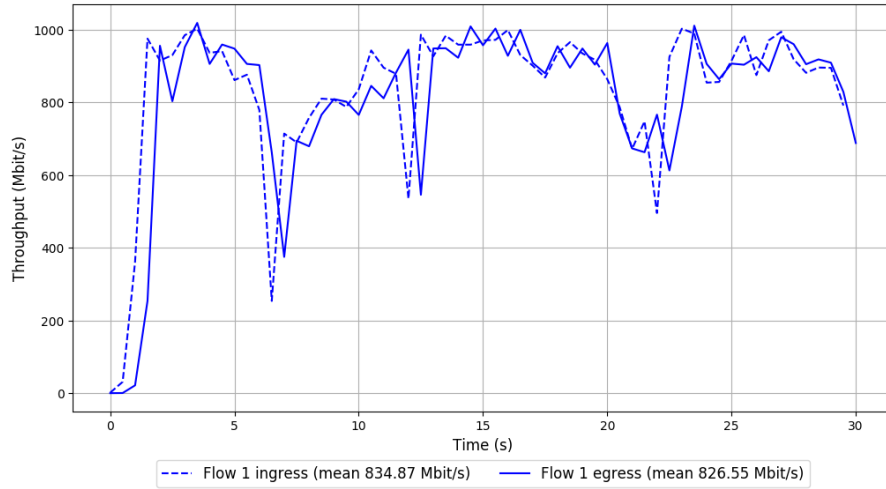
-- Flow 1:

Average throughput: 826.55 Mbit/s

95th percentile per-packet one-way delay: 143.216 ms

Loss rate: 1.57%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-05-29 19:23:08

End at: 2019-05-29 19:23:38

Local clock offset: 20.188 ms

Remote clock offset: 20.428 ms

Below is generated by plot.py at 2019-05-29 21:30:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 841.07 Mbit/s

95th percentile per-packet one-way delay: 142.144 ms

Loss rate: 1.28%

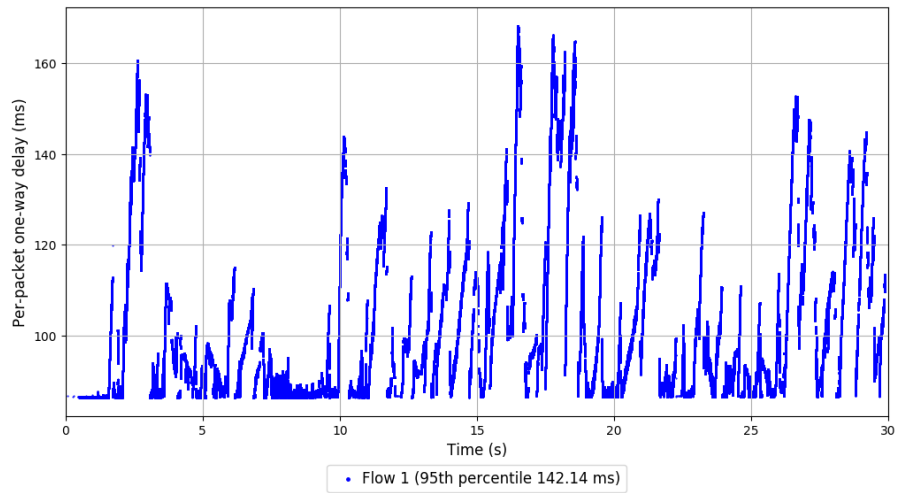
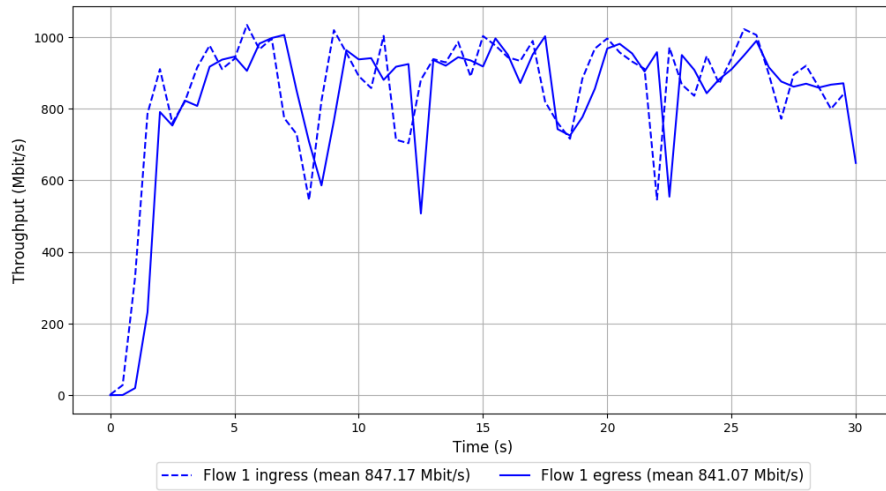
-- Flow 1:

Average throughput: 841.07 Mbit/s

95th percentile per-packet one-way delay: 142.144 ms

Loss rate: 1.28%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-29 19:54:04

End at: 2019-05-29 19:54:34

Local clock offset: 7.493 ms

Remote clock offset: 12.135 ms

Below is generated by plot.py at 2019-05-29 21:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 812.78 Mbit/s

95th percentile per-packet one-way delay: 143.263 ms

Loss rate: 1.59%

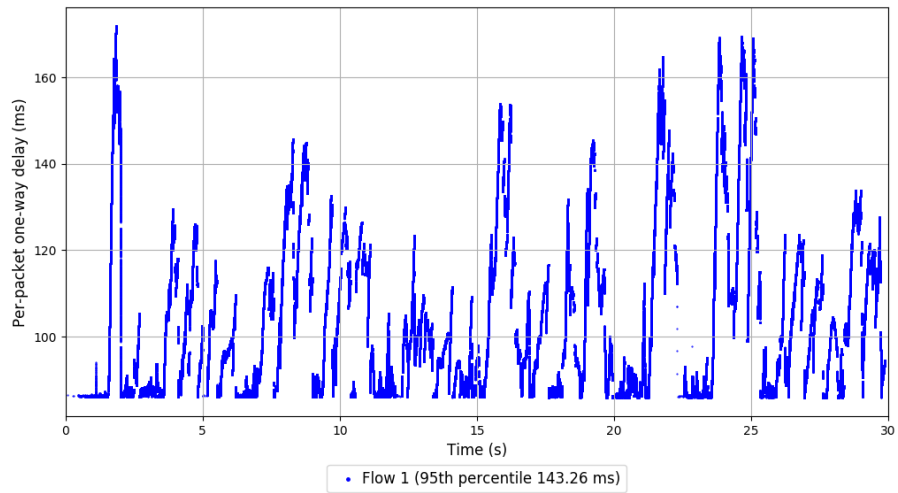
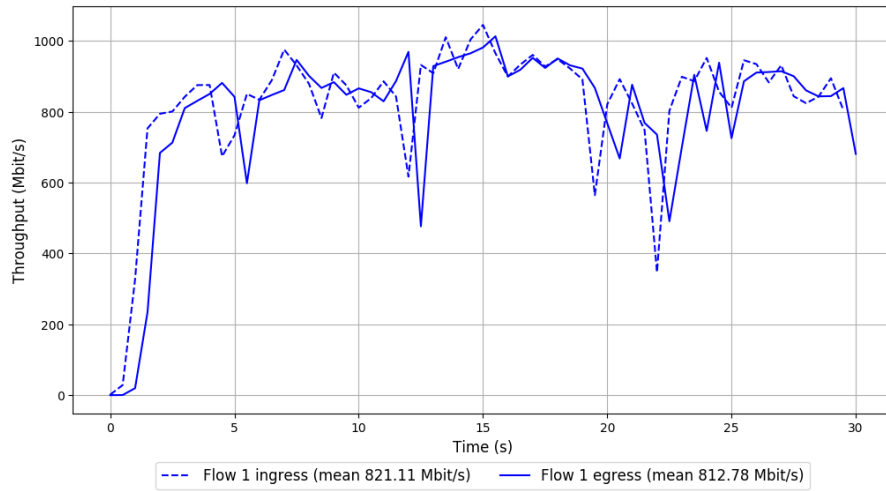
-- Flow 1:

Average throughput: 812.78 Mbit/s

95th percentile per-packet one-way delay: 143.263 ms

Loss rate: 1.59%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-05-29 20:25:04

End at: 2019-05-29 20:25:34

Local clock offset: 4.56 ms

Remote clock offset: 4.088 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 751.54 Mbit/s

95th percentile per-packet one-way delay: 149.464 ms

Loss rate: 1.76%

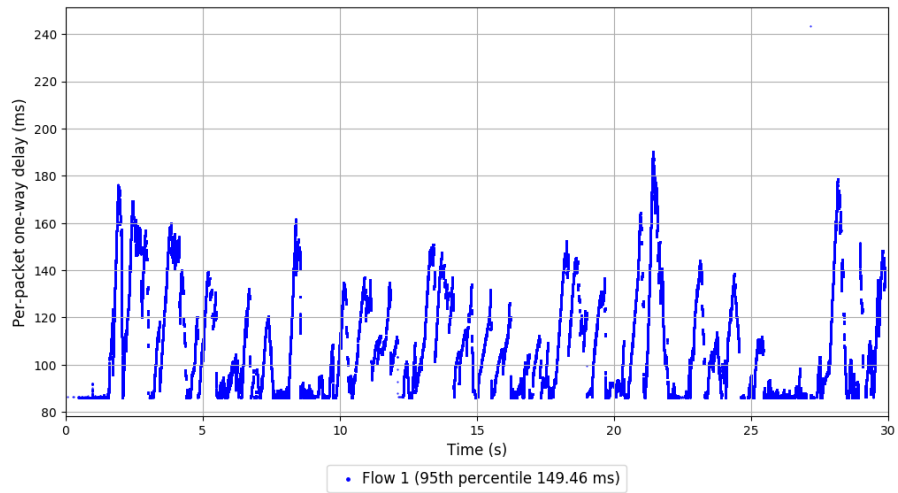
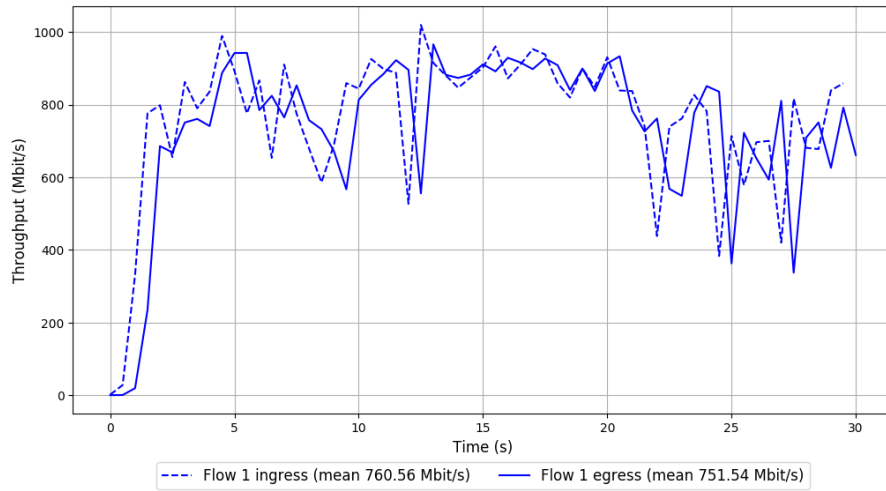
-- Flow 1:

Average throughput: 751.54 Mbit/s

95th percentile per-packet one-way delay: 149.464 ms

Loss rate: 1.76%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

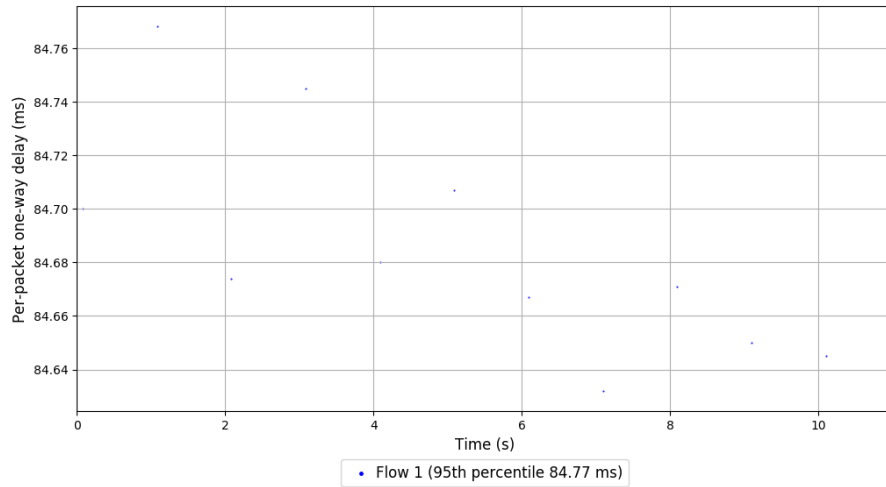
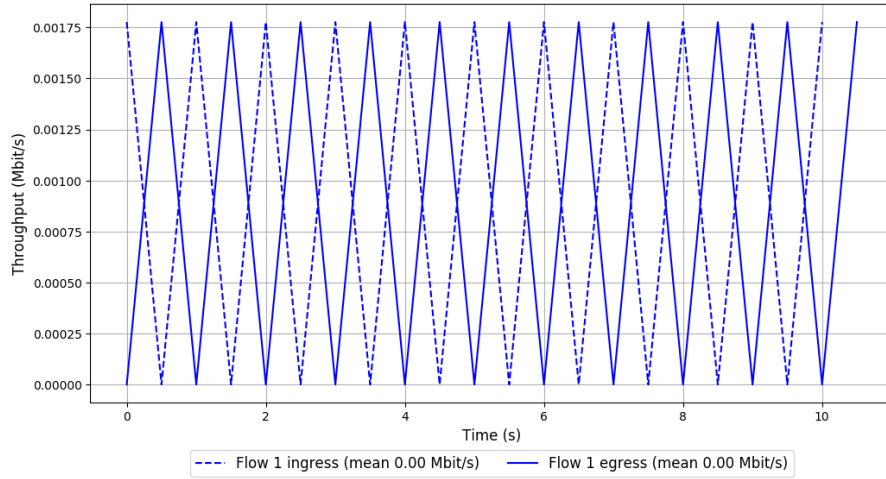
Start at: 2019-05-29 18:08:45

End at: 2019-05-29 18:09:15

Local clock offset: 2.352 ms

Remote clock offset: 2.626 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-05-29 18:39:17

End at: 2019-05-29 18:39:47

Local clock offset: 25.016 ms

Remote clock offset: 23.26 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.68 Mbit/s

95th percentile per-packet one-way delay: 86.327 ms

Loss rate: 0.57%

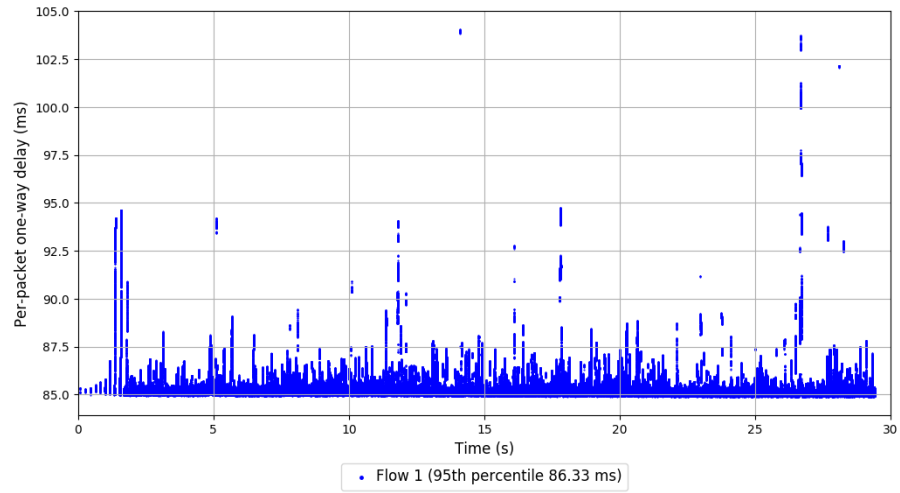
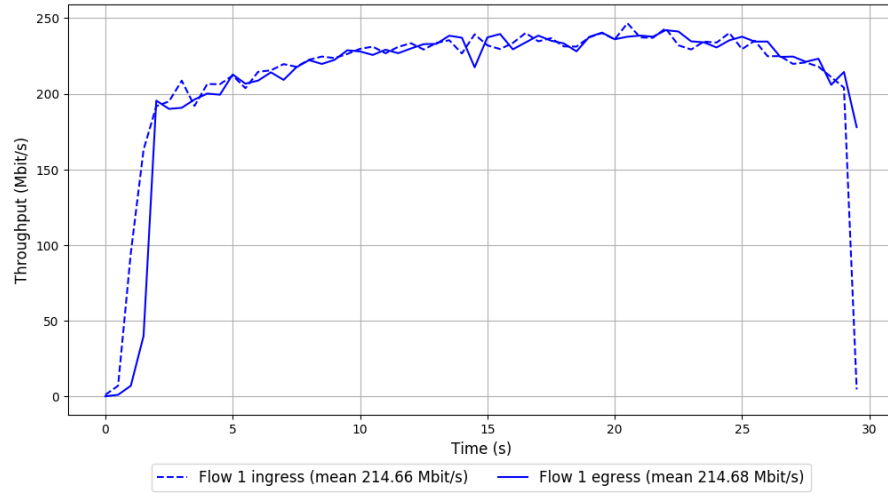
-- Flow 1:

Average throughput: 214.68 Mbit/s

95th percentile per-packet one-way delay: 86.327 ms

Loss rate: 0.57%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-05-29 19:10:11

End at: 2019-05-29 19:10:41

Local clock offset: 36.928 ms

Remote clock offset: 34.07 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.89 Mbit/s

95th percentile per-packet one-way delay: 87.240 ms

Loss rate: 0.64%

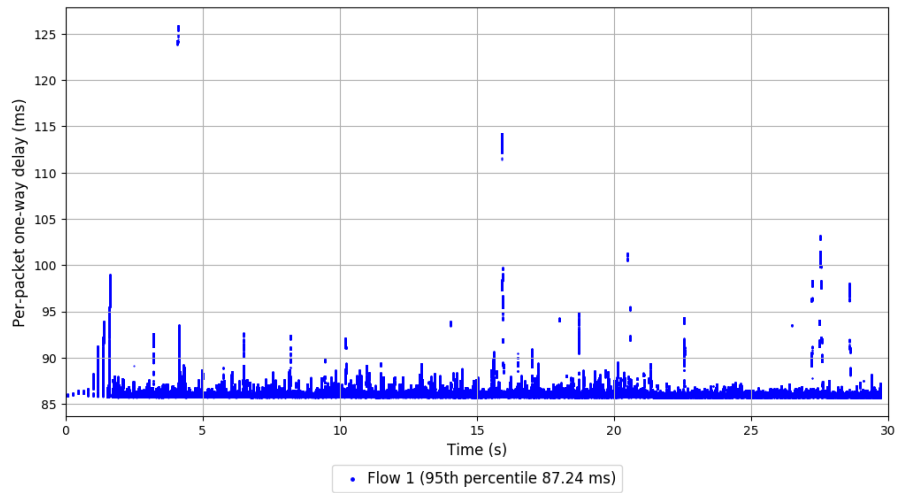
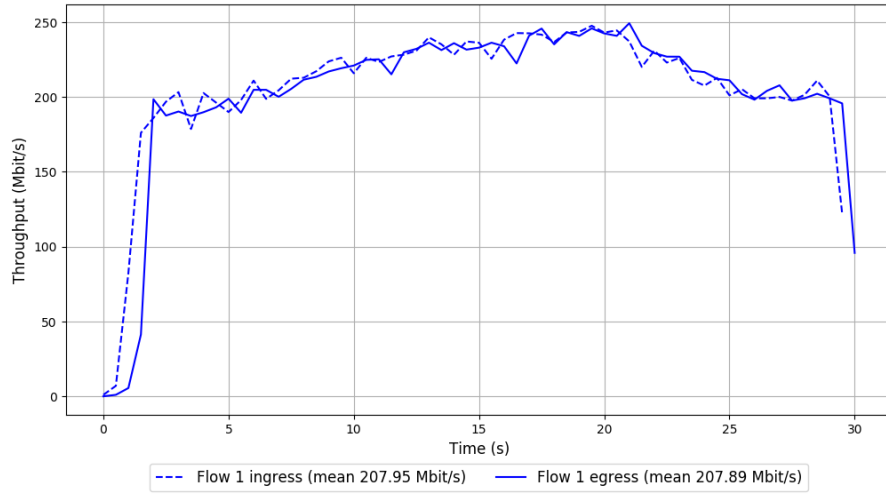
-- Flow 1:

Average throughput: 207.89 Mbit/s

95th percentile per-packet one-way delay: 87.240 ms

Loss rate: 0.64%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-05-29 19:41:06

End at: 2019-05-29 19:41:36

Local clock offset: 9.767 ms

Remote clock offset: 16.113 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.31 Mbit/s

95th percentile per-packet one-way delay: 87.812 ms

Loss rate: 0.64%

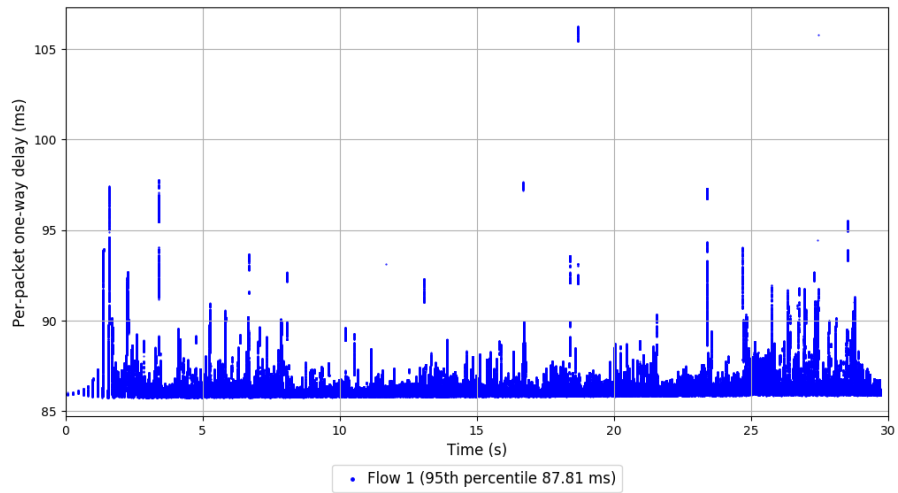
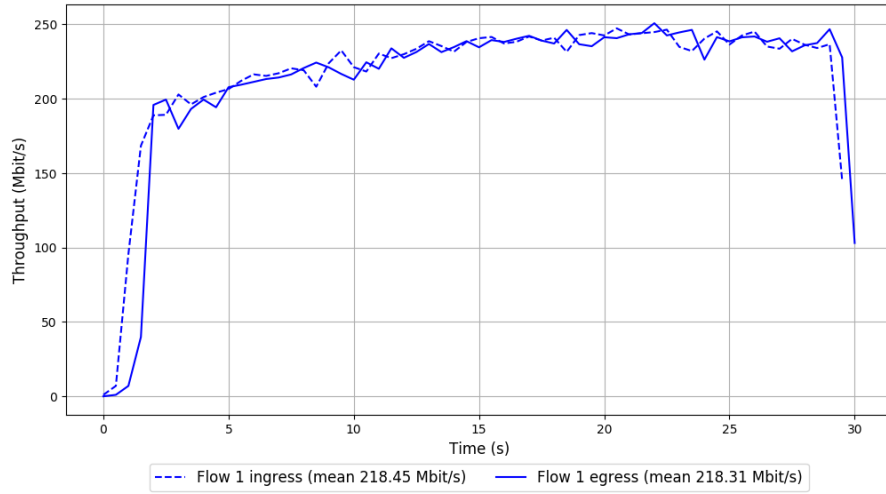
-- Flow 1:

Average throughput: 218.31 Mbit/s

95th percentile per-packet one-way delay: 87.812 ms

Loss rate: 0.64%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-05-29 20:12:07

End at: 2019-05-29 20:12:37

Local clock offset: 3.878 ms

Remote clock offset: 4.178 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.78 Mbit/s

95th percentile per-packet one-way delay: 87.753 ms

Loss rate: 0.63%

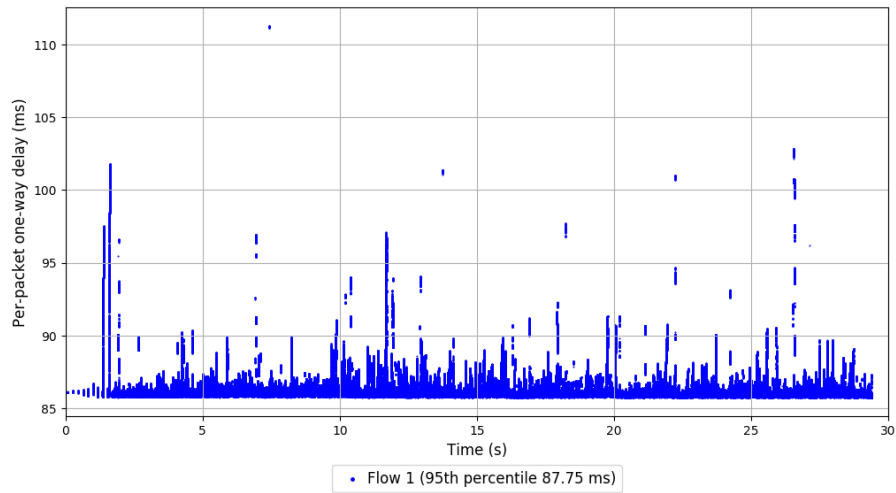
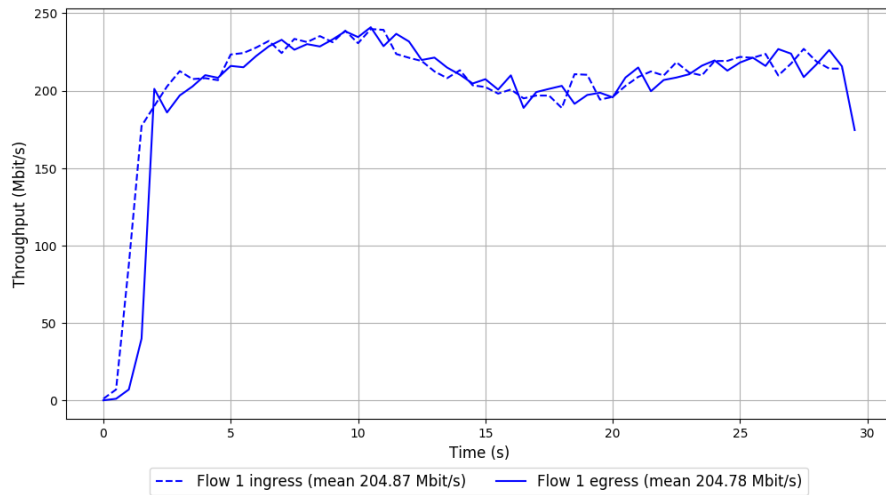
-- Flow 1:

Average throughput: 204.78 Mbit/s

95th percentile per-packet one-way delay: 87.753 ms

Loss rate: 0.63%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-29 18:23:00

End at: 2019-05-29 18:23:30

Local clock offset: 15.581 ms

Remote clock offset: 15.45 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.19 Mbit/s

95th percentile per-packet one-way delay: 113.704 ms

Loss rate: 0.44%

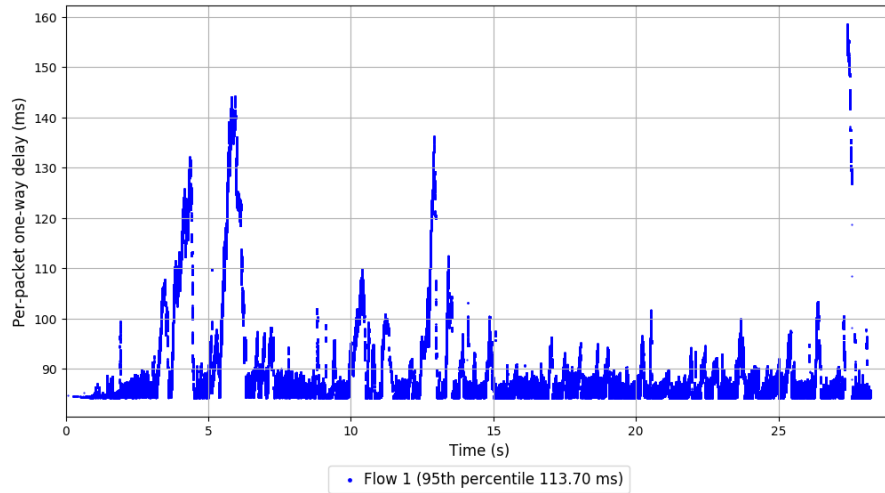
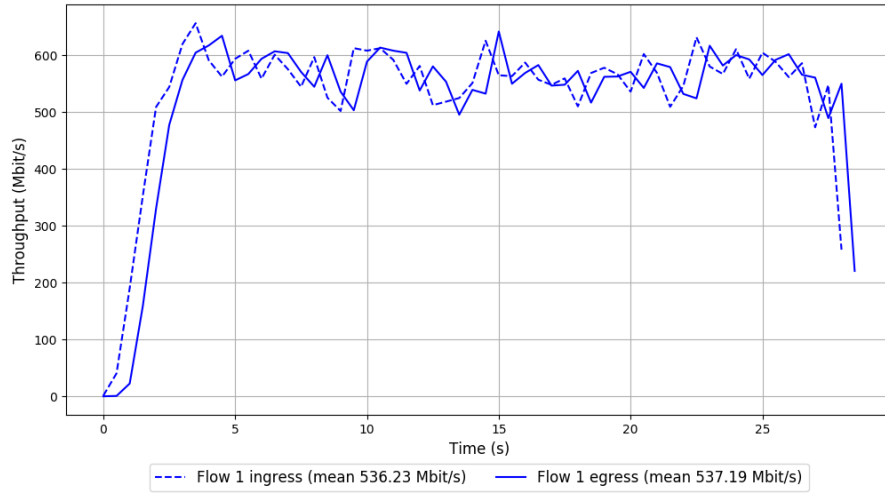
-- Flow 1:

Average throughput: 537.19 Mbit/s

95th percentile per-packet one-way delay: 113.704 ms

Loss rate: 0.44%

Run 1: Report of Indigo-MusesC3 — Data Link

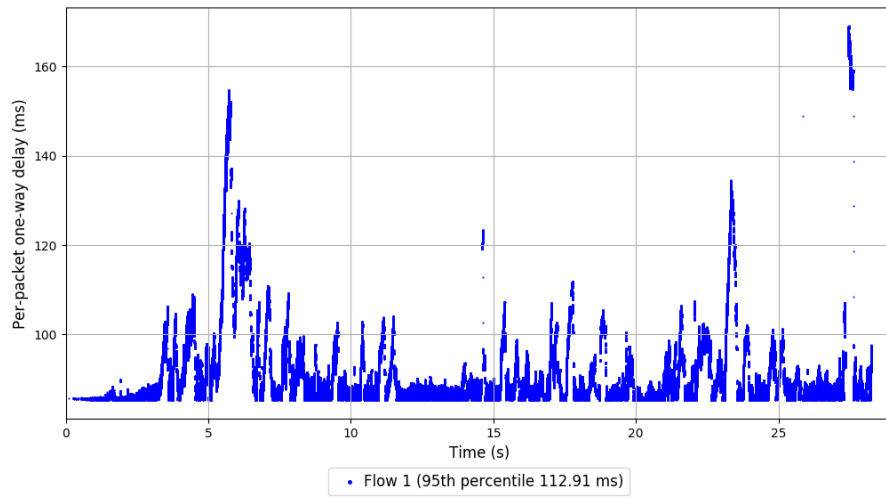
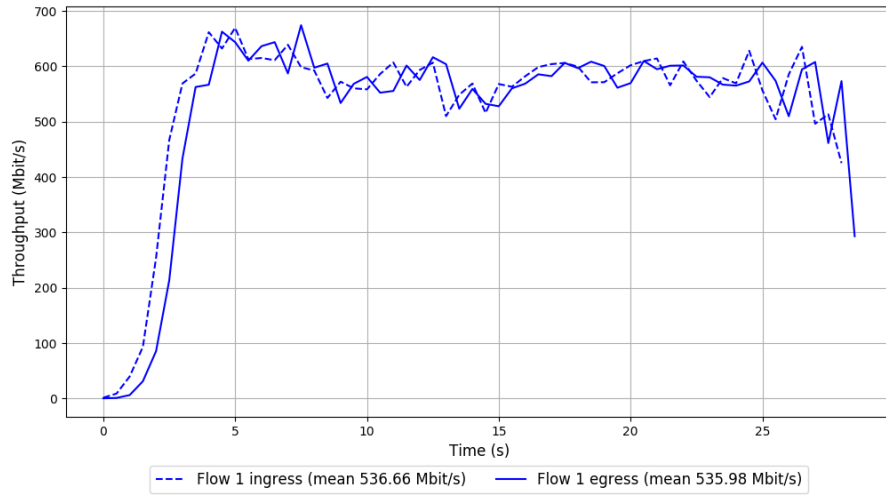


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-29 18:53:59
End at: 2019-05-29 18:54:29
Local clock offset: 21.786 ms
Remote clock offset: 20.648 ms

Below is generated by plot.py at 2019-05-29 21:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 535.98 Mbit/s
95th percentile per-packet one-way delay: 112.910 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 535.98 Mbit/s
95th percentile per-packet one-way delay: 112.910 ms
Loss rate: 0.74%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-29 19:24:52

End at: 2019-05-29 19:25:22

Local clock offset: 17.316 ms

Remote clock offset: 18.31 ms

Below is generated by plot.py at 2019-05-29 21:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.69 Mbit/s

95th percentile per-packet one-way delay: 101.895 ms

Loss rate: 0.71%

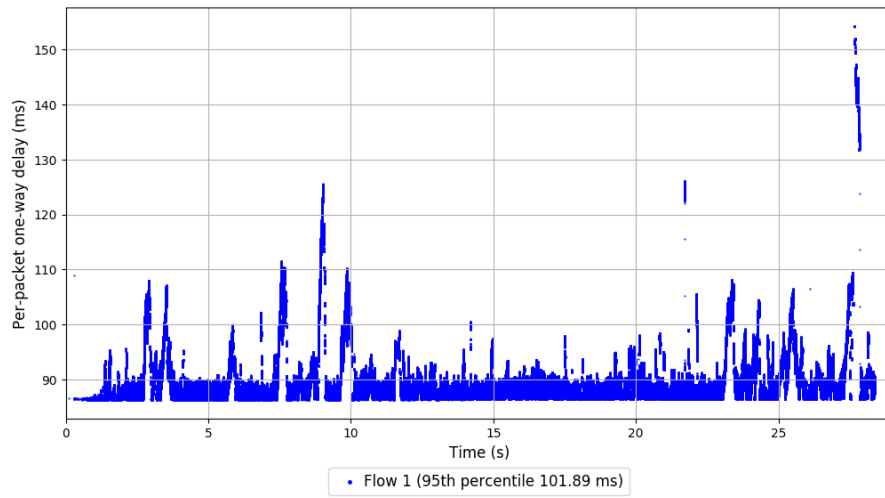
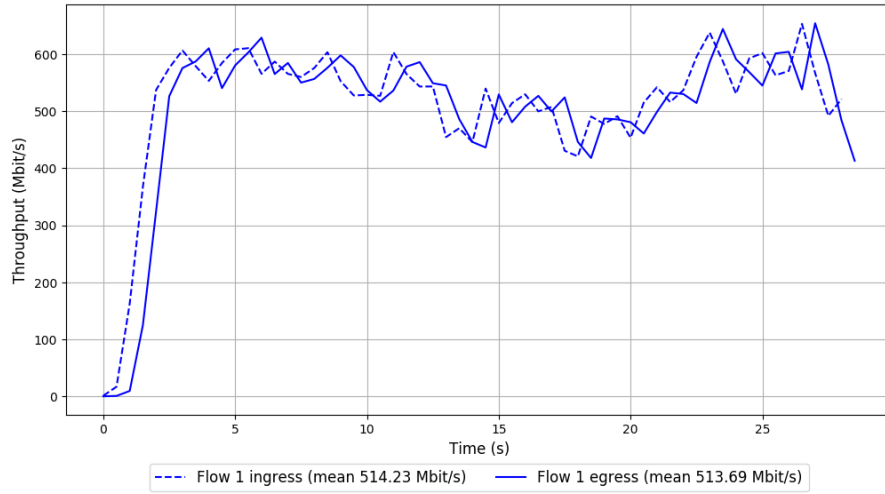
-- Flow 1:

Average throughput: 513.69 Mbit/s

95th percentile per-packet one-way delay: 101.895 ms

Loss rate: 0.71%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-29 19:55:48

End at: 2019-05-29 19:56:18

Local clock offset: 6.692 ms

Remote clock offset: 10.198 ms

Below is generated by plot.py at 2019-05-29 21:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.45 Mbit/s

95th percentile per-packet one-way delay: 106.602 ms

Loss rate: 0.63%

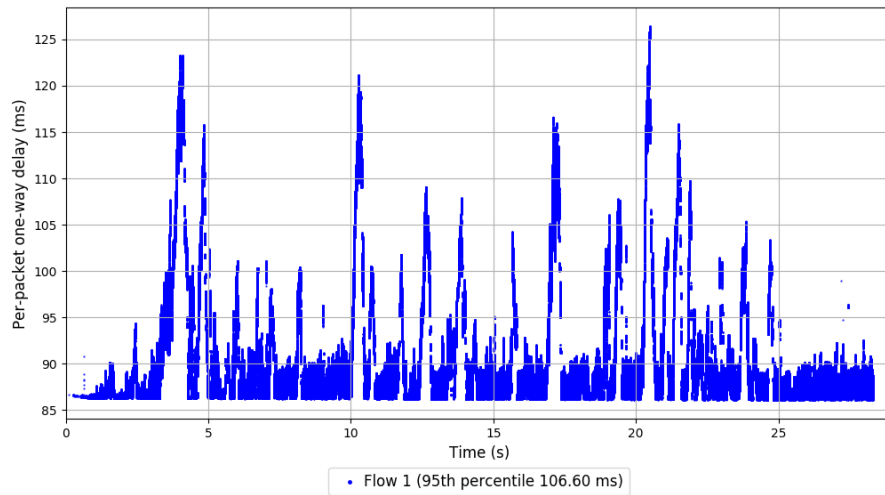
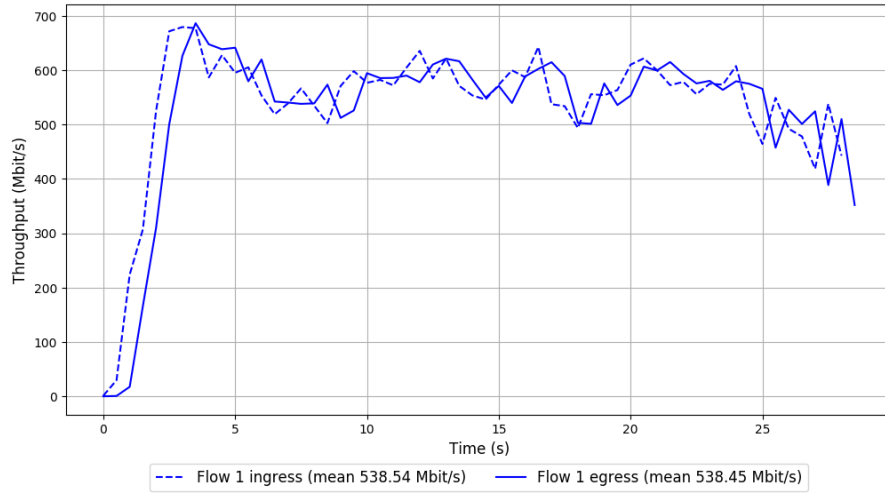
-- Flow 1:

Average throughput: 538.45 Mbit/s

95th percentile per-packet one-way delay: 106.602 ms

Loss rate: 0.63%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-29 20:26:46

End at: 2019-05-29 20:27:16

Local clock offset: 3.937 ms

Remote clock offset: 3.403 ms

Below is generated by plot.py at 2019-05-29 21:46:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.30 Mbit/s

95th percentile per-packet one-way delay: 112.388 ms

Loss rate: 0.75%

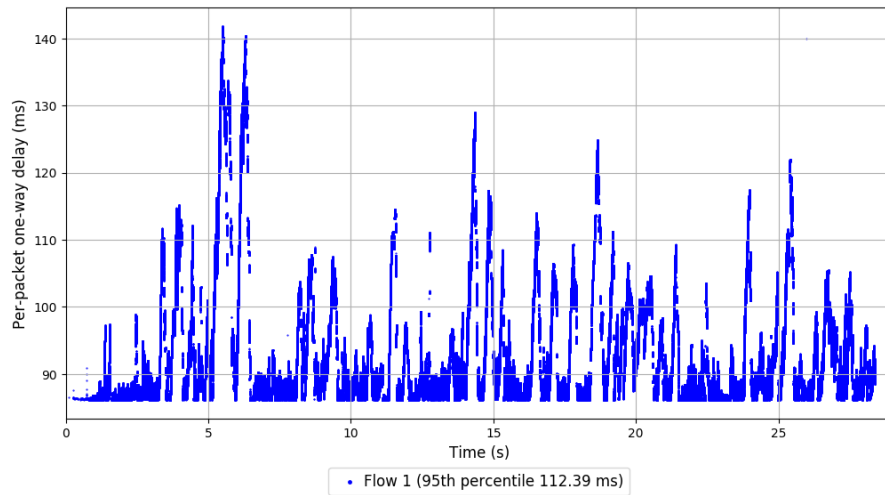
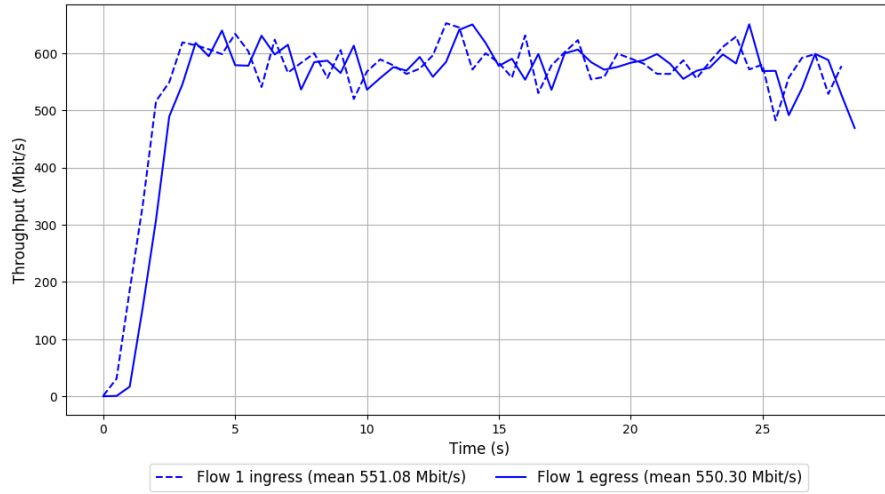
-- Flow 1:

Average throughput: 550.30 Mbit/s

95th percentile per-packet one-way delay: 112.388 ms

Loss rate: 0.75%

Run 5: Report of Indigo-MusesC3 — Data Link

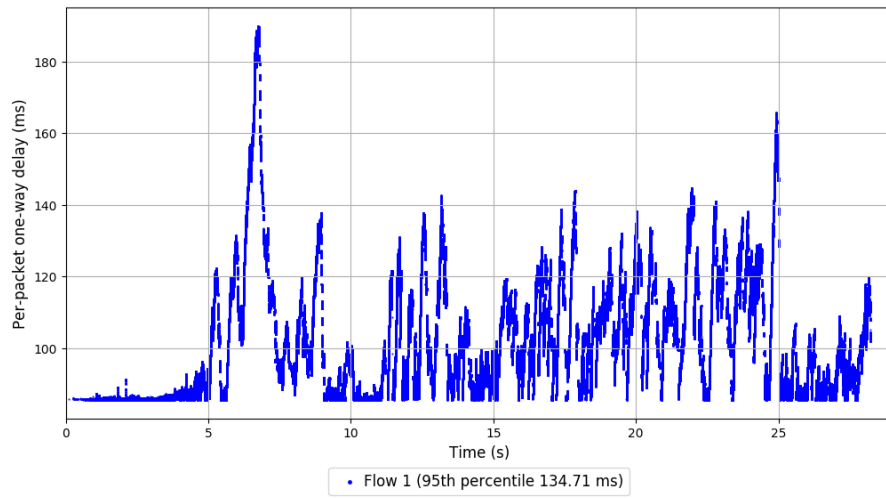
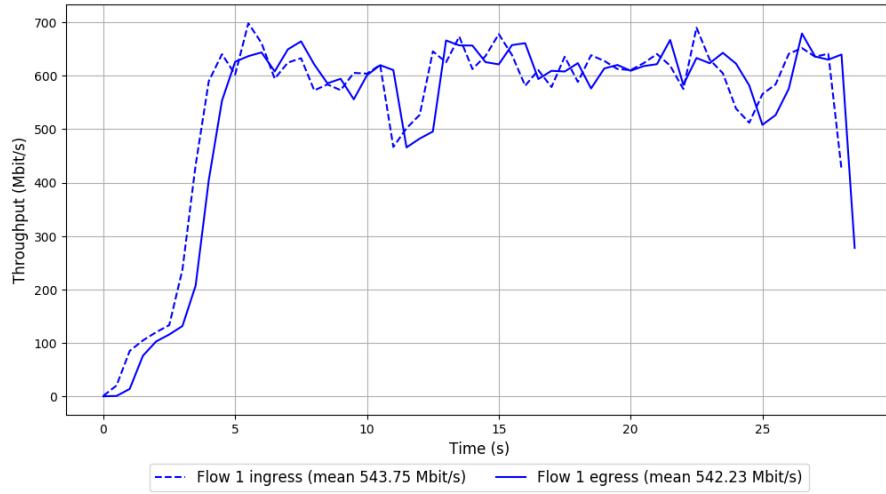


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-29 18:33:28
End at: 2019-05-29 18:33:58
Local clock offset: 17.669 ms
Remote clock offset: 16.044 ms

Below is generated by plot.py at 2019-05-29 21:46:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 542.23 Mbit/s
95th percentile per-packet one-way delay: 134.706 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 542.23 Mbit/s
95th percentile per-packet one-way delay: 134.706 ms
Loss rate: 0.89%

Run 1: Report of Indigo-MusesC5 — Data Link

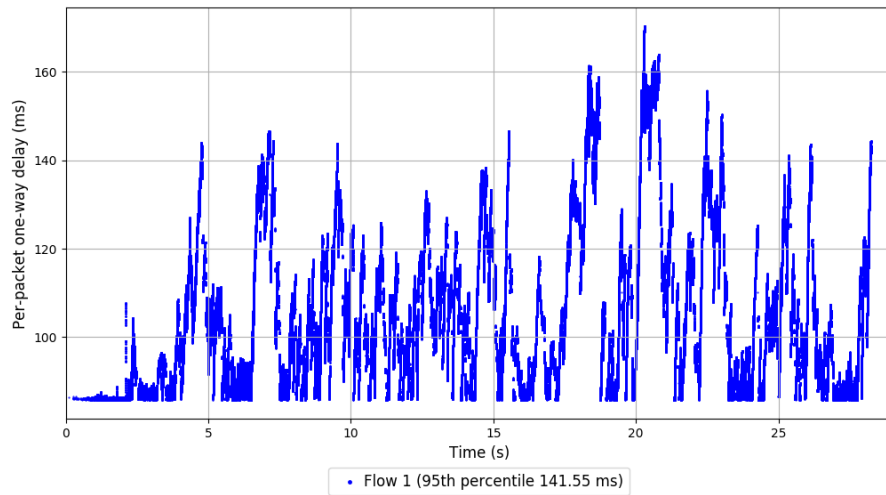
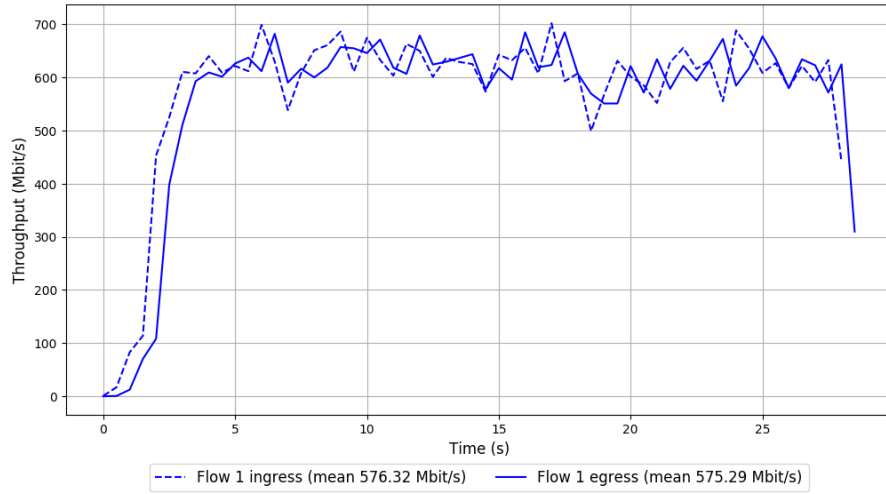


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-29 19:04:22
End at: 2019-05-29 19:04:52
Local clock offset: 30.707 ms
Remote clock offset: 28.303 ms

Below is generated by plot.py at 2019-05-29 21:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.29 Mbit/s
95th percentile per-packet one-way delay: 141.549 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 575.29 Mbit/s
95th percentile per-packet one-way delay: 141.549 ms
Loss rate: 0.79%

Run 2: Report of Indigo-MusesC5 — Data Link

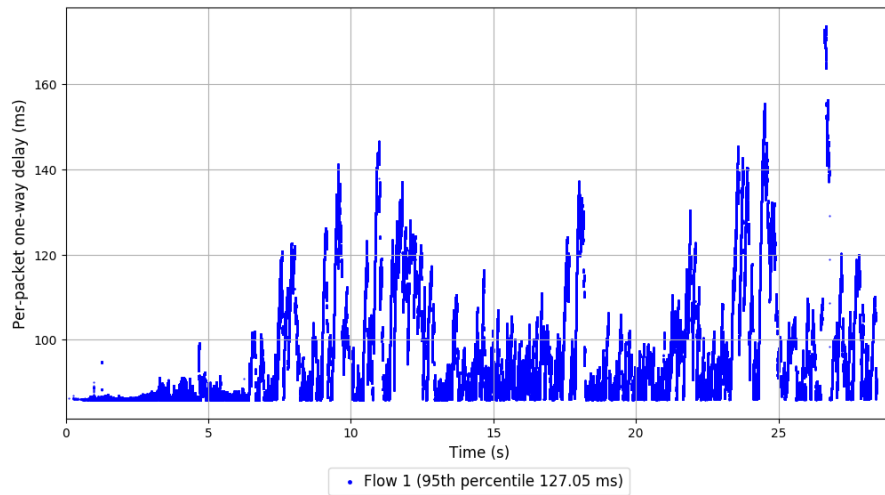
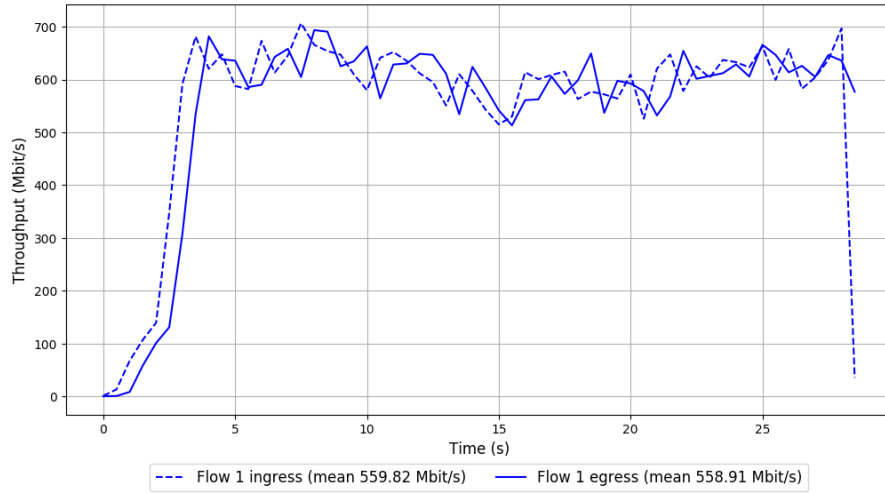


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-29 19:35:13
End at: 2019-05-29 19:35:43
Local clock offset: 10.134 ms
Remote clock offset: 14.744 ms

Below is generated by plot.py at 2019-05-29 21:50:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 558.91 Mbit/s
95th percentile per-packet one-way delay: 127.048 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 558.91 Mbit/s
95th percentile per-packet one-way delay: 127.048 ms
Loss rate: 0.77%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:06:15

End at: 2019-05-29 20:06:45

Local clock offset: 3.856 ms

Remote clock offset: 4.941 ms

Below is generated by plot.py at 2019-05-29 21:50:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.81 Mbit/s

95th percentile per-packet one-way delay: 129.129 ms

Loss rate: 0.66%

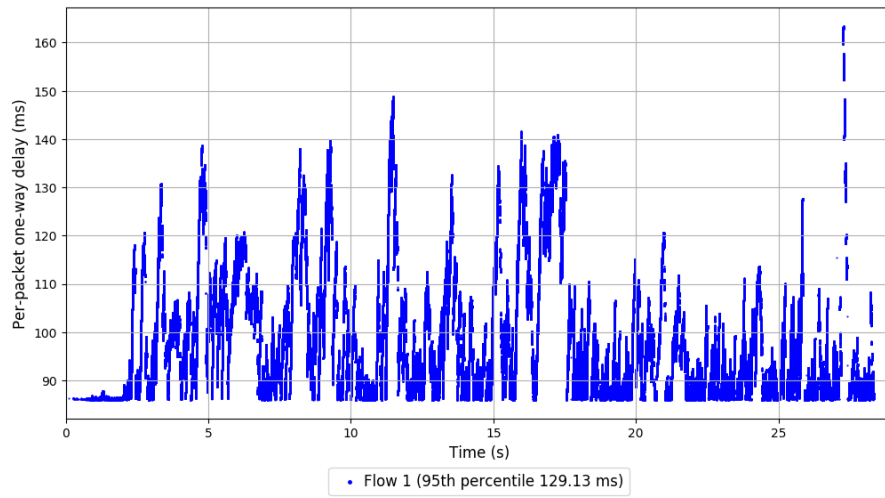
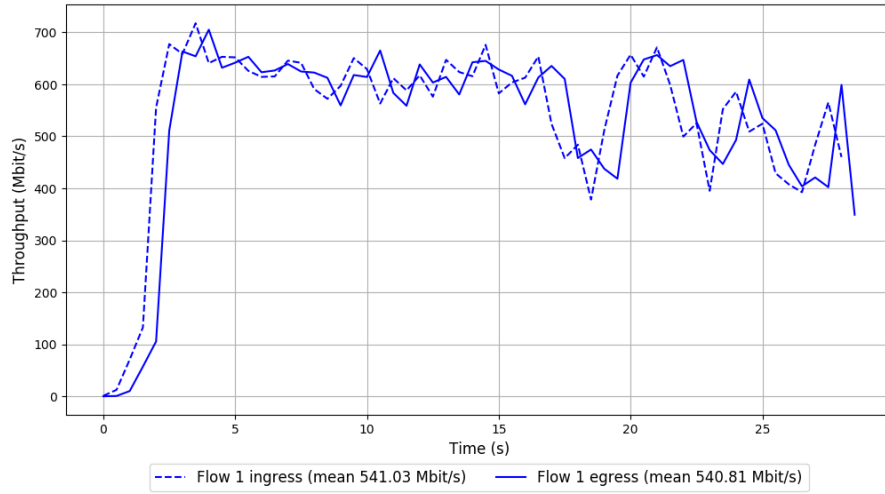
-- Flow 1:

Average throughput: 540.81 Mbit/s

95th percentile per-packet one-way delay: 129.129 ms

Loss rate: 0.66%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:37:15

End at: 2019-05-29 20:37:45

Local clock offset: 1.96 ms

Remote clock offset: 1.616 ms

Below is generated by plot.py at 2019-05-29 21:54:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.62 Mbit/s

95th percentile per-packet one-way delay: 142.890 ms

Loss rate: 0.73%

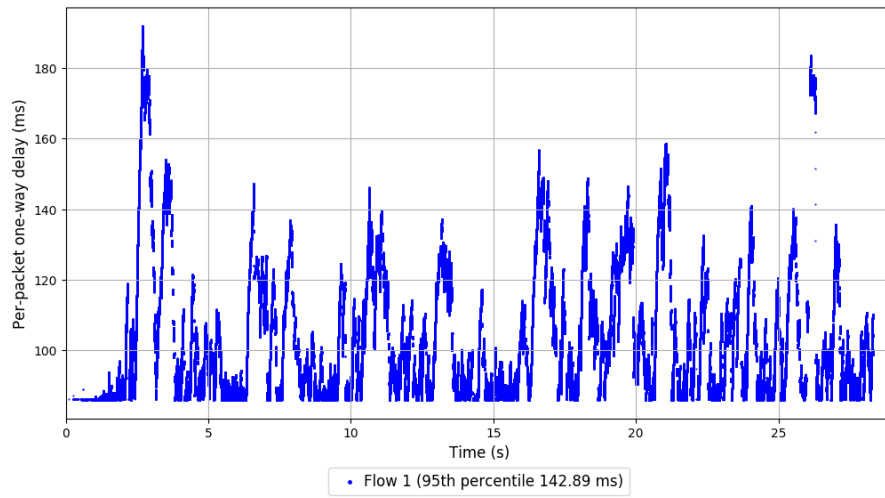
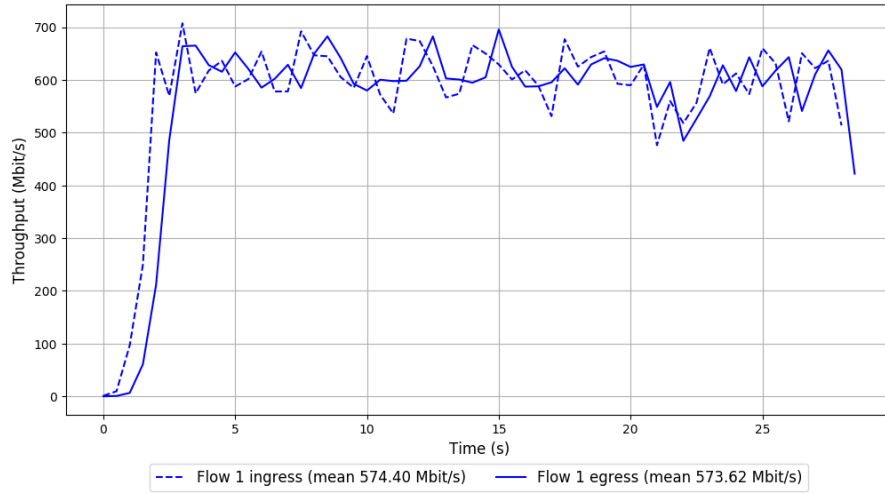
-- Flow 1:

Average throughput: 573.62 Mbit/s

95th percentile per-packet one-way delay: 142.890 ms

Loss rate: 0.73%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-29 18:14:13

End at: 2019-05-29 18:14:43

Local clock offset: 8.577 ms

Remote clock offset: 8.341 ms

Below is generated by plot.py at 2019-05-29 21:54:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.09 Mbit/s

95th percentile per-packet one-way delay: 131.834 ms

Loss rate: 0.62%

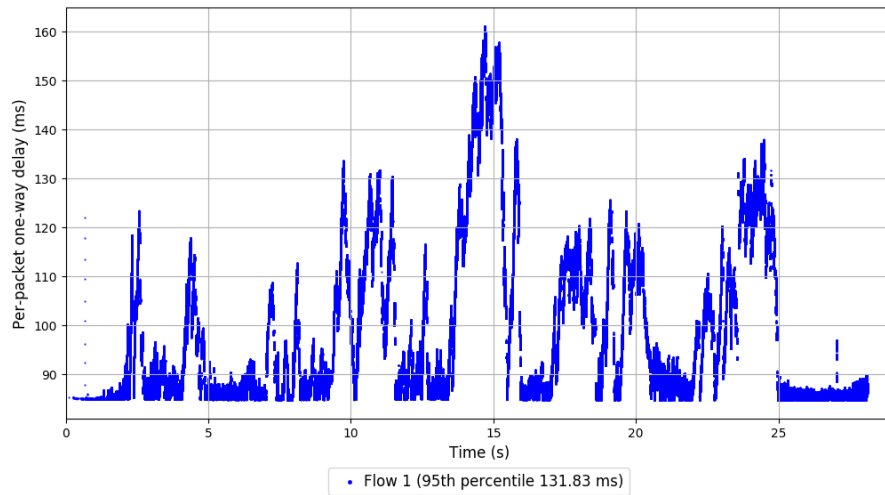
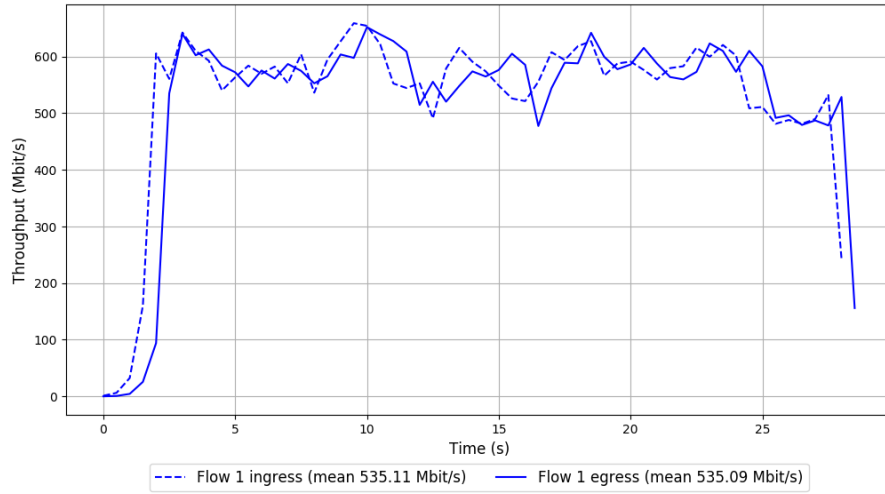
-- Flow 1:

Average throughput: 535.09 Mbit/s

95th percentile per-packet one-way delay: 131.834 ms

Loss rate: 0.62%

Run 1: Report of Indigo-MusesD — Data Link

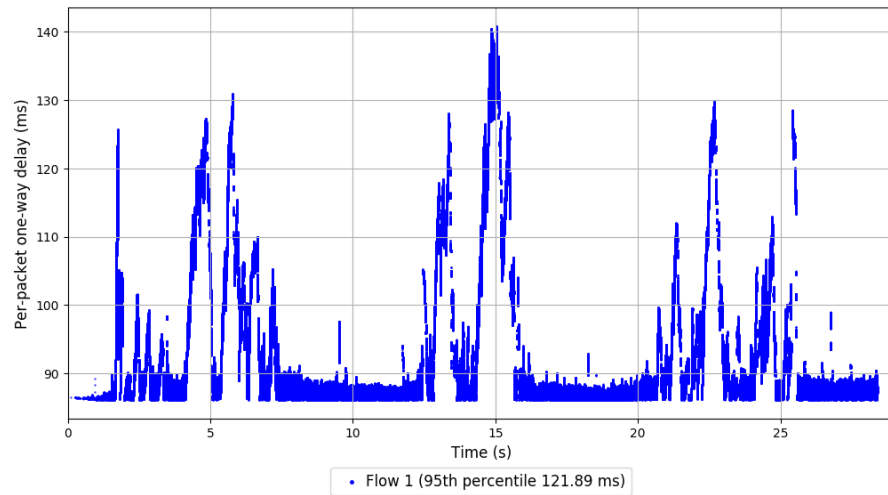
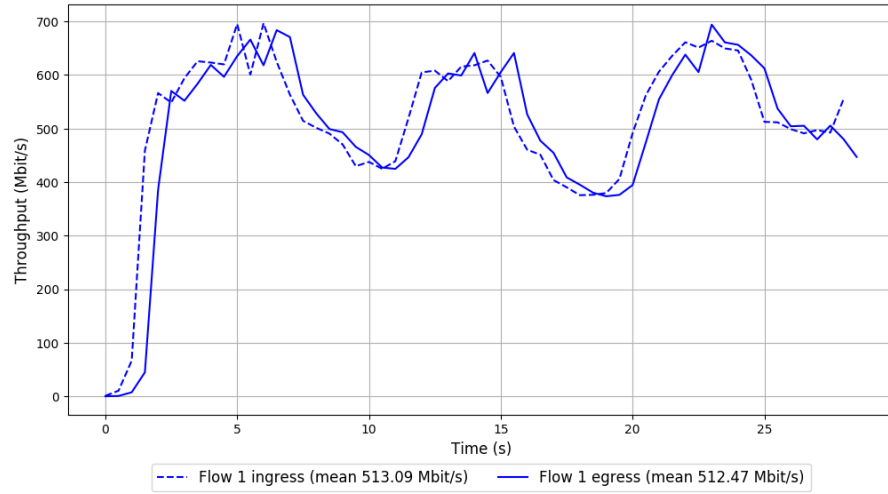


Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-29 18:45:11
End at: 2019-05-29 18:45:41
Local clock offset: 23.402 ms
Remote clock offset: 21.229 ms

Below is generated by plot.py at 2019-05-29 21:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 512.47 Mbit/s
95th percentile per-packet one-way delay: 121.894 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 512.47 Mbit/s
95th percentile per-packet one-way delay: 121.894 ms
Loss rate: 0.73%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-29 19:16:02

End at: 2019-05-29 19:16:32

Local clock offset: 40.664 ms

Remote clock offset: 37.652 ms

Below is generated by plot.py at 2019-05-29 21:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.40 Mbit/s

95th percentile per-packet one-way delay: 130.634 ms

Loss rate: 0.46%

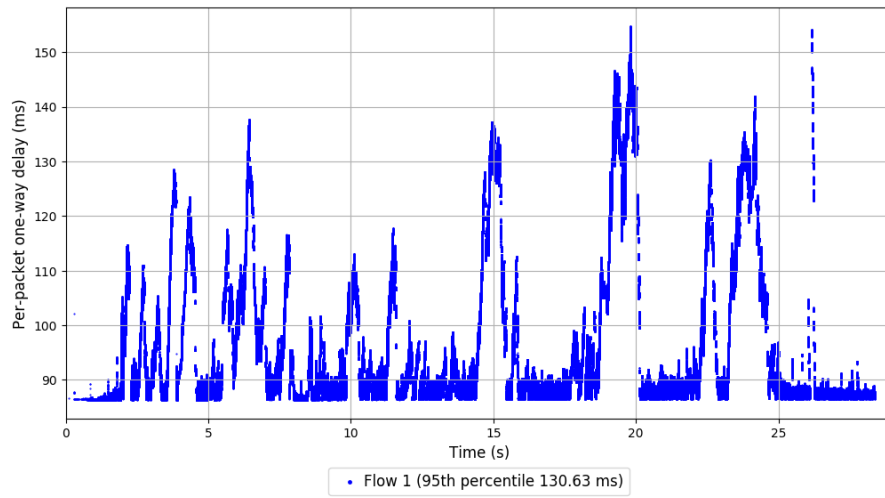
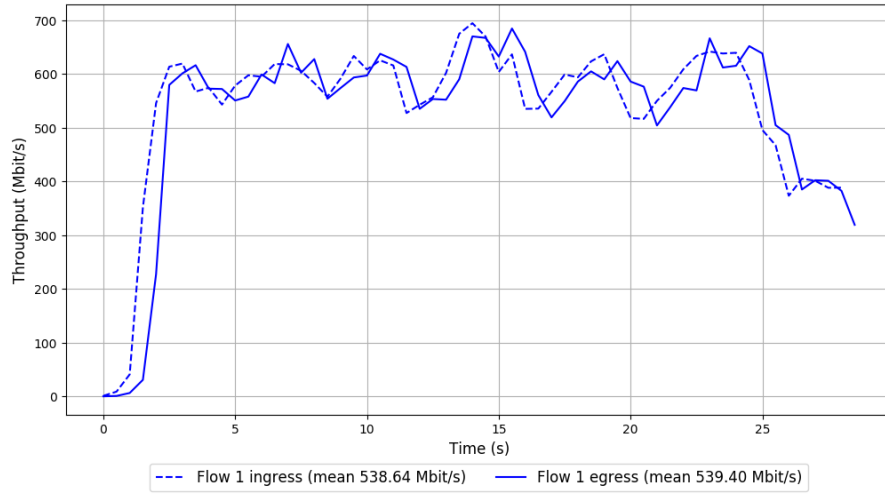
-- Flow 1:

Average throughput: 539.40 Mbit/s

95th percentile per-packet one-way delay: 130.634 ms

Loss rate: 0.46%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-29 19:47:02

End at: 2019-05-29 19:47:32

Local clock offset: 10.212 ms

Remote clock offset: 18.383 ms

Below is generated by plot.py at 2019-05-29 21:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.94 Mbit/s

95th percentile per-packet one-way delay: 103.292 ms

Loss rate: 0.94%

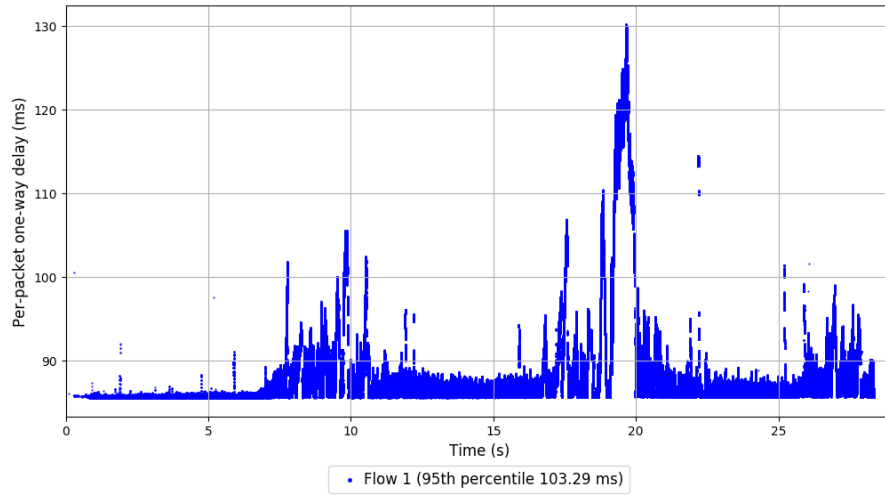
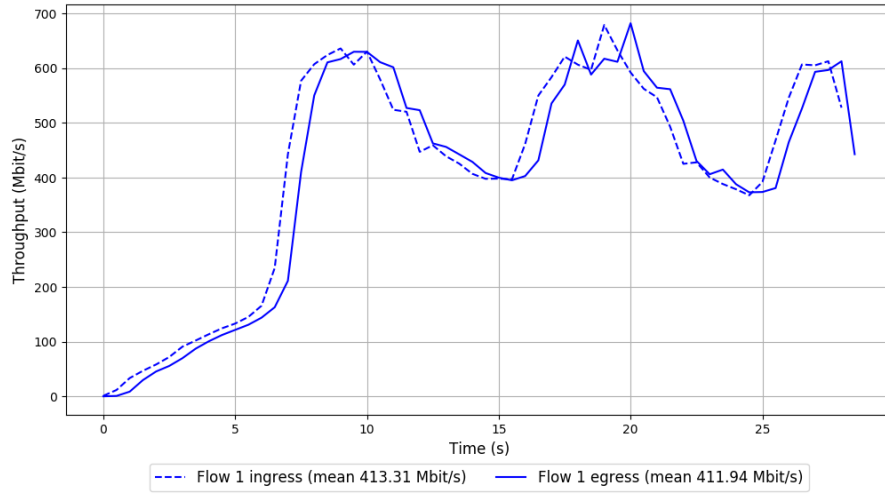
-- Flow 1:

Average throughput: 411.94 Mbit/s

95th percentile per-packet one-way delay: 103.292 ms

Loss rate: 0.94%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-29 20:17:55

End at: 2019-05-29 20:18:25

Local clock offset: 4.341 ms

Remote clock offset: 4.245 ms

Below is generated by plot.py at 2019-05-29 21:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 542.22 Mbit/s

95th percentile per-packet one-way delay: 145.303 ms

Loss rate: 0.91%

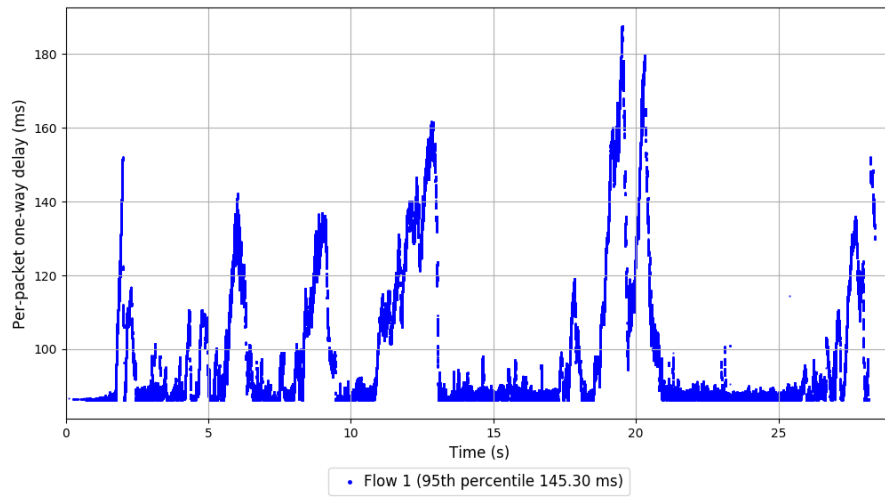
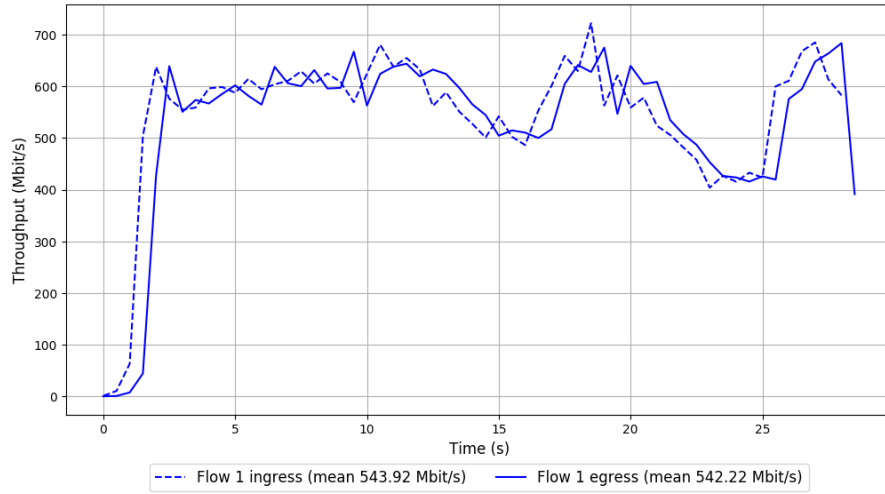
-- Flow 1:

Average throughput: 542.22 Mbit/s

95th percentile per-packet one-way delay: 145.303 ms

Loss rate: 0.91%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-29 18:12:38

End at: 2019-05-29 18:13:08

Local clock offset: 6.202 ms

Remote clock offset: 5.867 ms

Below is generated by plot.py at 2019-05-29 21:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.96 Mbit/s

95th percentile per-packet one-way delay: 128.954 ms

Loss rate: 0.65%

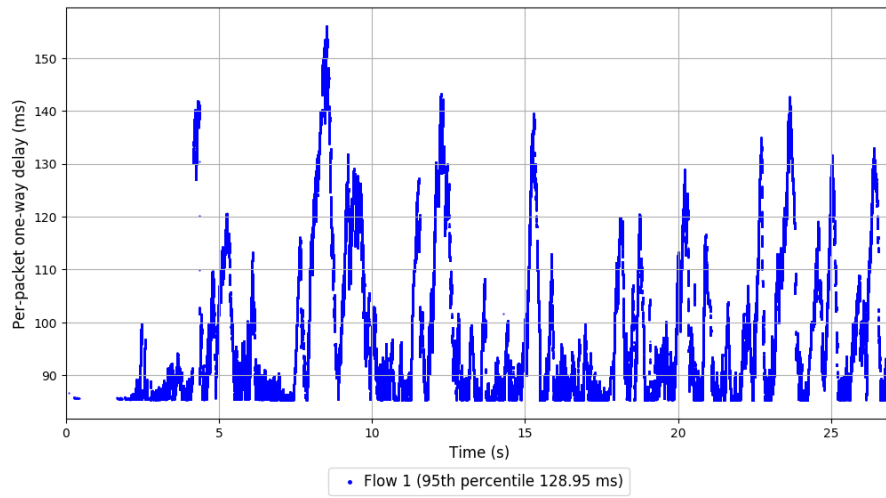
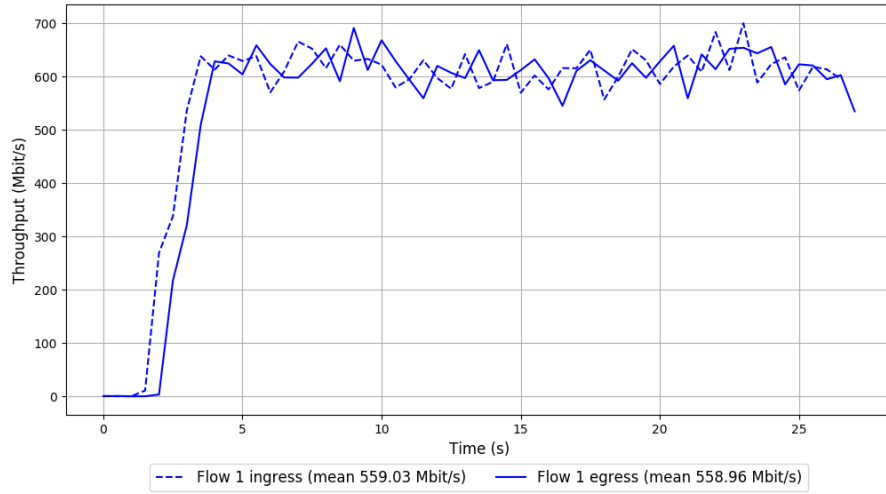
-- Flow 1:

Average throughput: 558.96 Mbit/s

95th percentile per-packet one-way delay: 128.954 ms

Loss rate: 0.65%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-29 18:43:33

End at: 2019-05-29 18:44:03

Local clock offset: 25.407 ms

Remote clock offset: 22.752 ms

Below is generated by plot.py at 2019-05-29 22:01:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 582.10 Mbit/s

95th percentile per-packet one-way delay: 162.968 ms

Loss rate: 0.76%

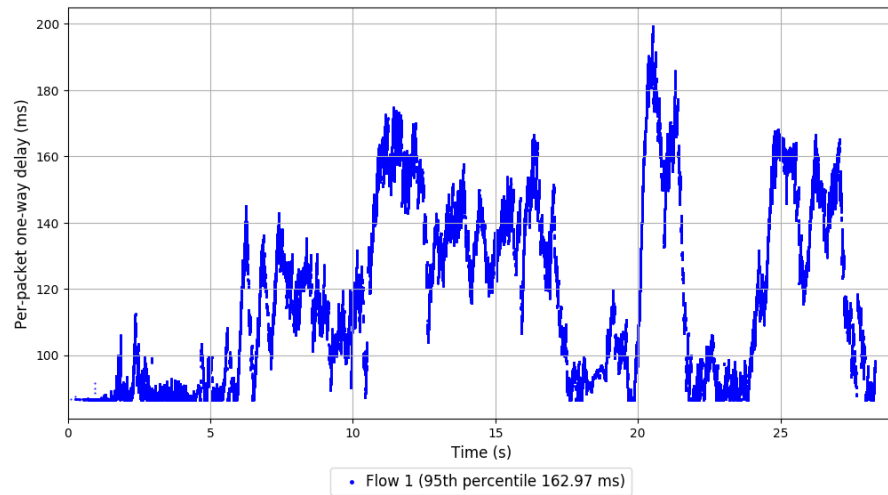
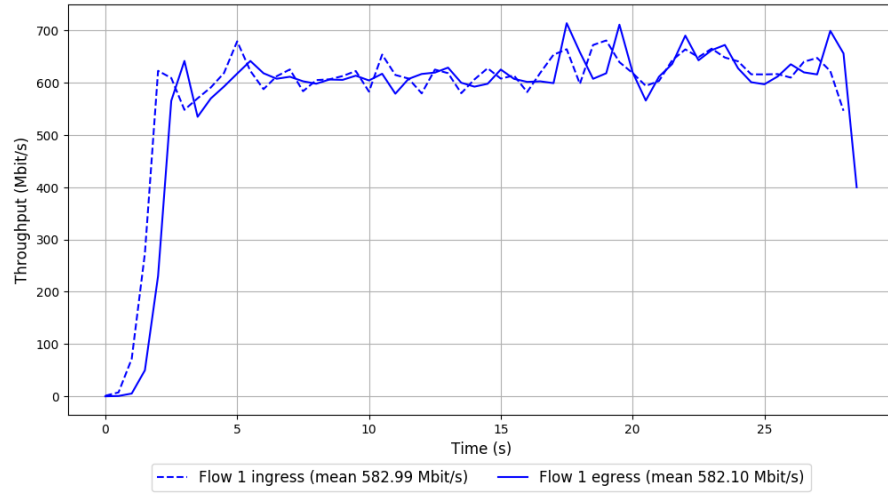
-- Flow 1:

Average throughput: 582.10 Mbit/s

95th percentile per-packet one-way delay: 162.968 ms

Loss rate: 0.76%

Run 2: Report of Indigo-MusesT — Data Link

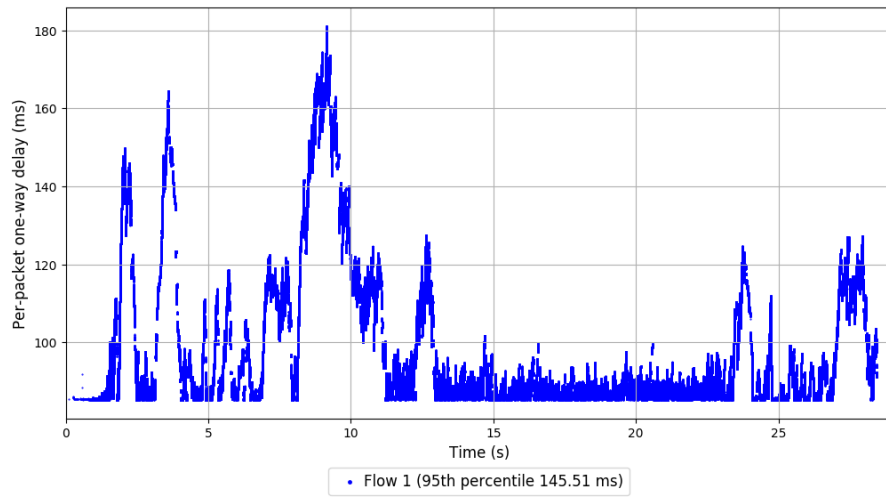
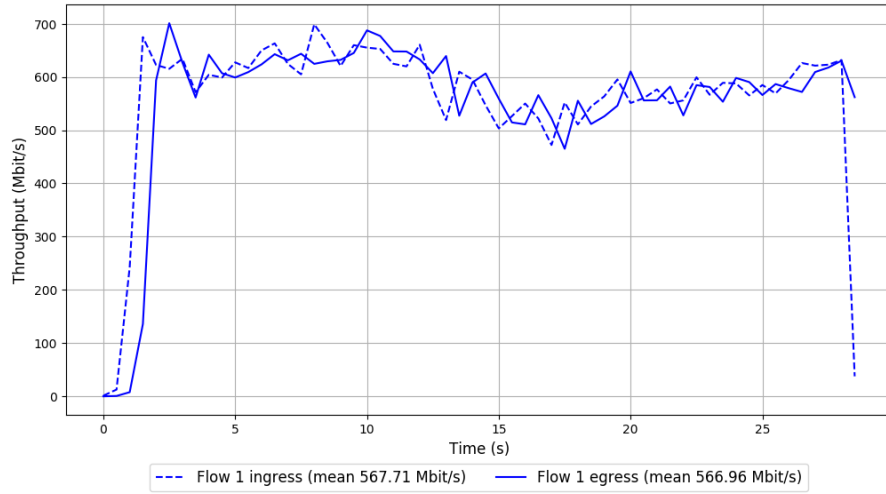


Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-29 19:14:26
End at: 2019-05-29 19:14:56
Local clock offset: 41.263 ms
Remote clock offset: 38.751 ms

Below is generated by plot.py at 2019-05-29 22:03:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.96 Mbit/s
95th percentile per-packet one-way delay: 145.513 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 566.96 Mbit/s
95th percentile per-packet one-way delay: 145.513 ms
Loss rate: 0.74%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-29 19:45:24

End at: 2019-05-29 19:45:54

Local clock offset: 10.141 ms

Remote clock offset: 17.634 ms

Below is generated by plot.py at 2019-05-29 22:04:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.33 Mbit/s

95th percentile per-packet one-way delay: 158.027 ms

Loss rate: 0.67%

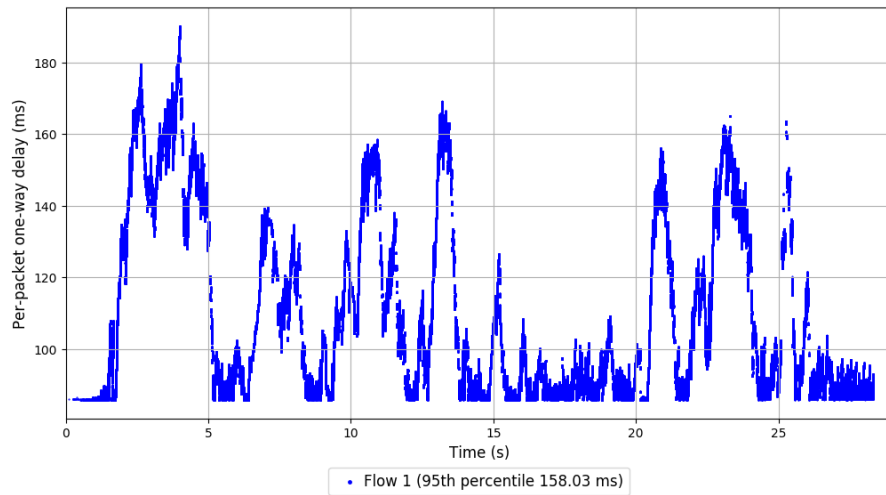
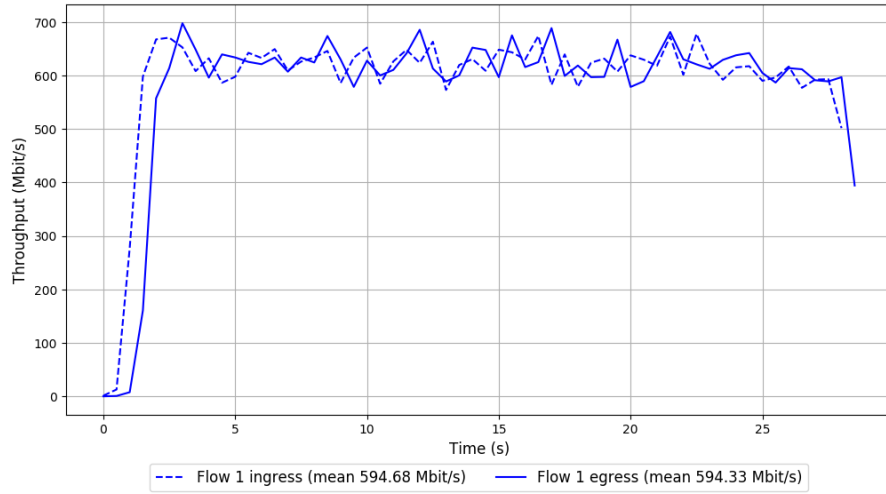
-- Flow 1:

Average throughput: 594.33 Mbit/s

95th percentile per-packet one-way delay: 158.027 ms

Loss rate: 0.67%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-29 20:16:17

End at: 2019-05-29 20:16:47

Local clock offset: 4.111 ms

Remote clock offset: 4.218 ms

Below is generated by plot.py at 2019-05-29 22:04:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 598.98 Mbit/s

95th percentile per-packet one-way delay: 156.664 ms

Loss rate: 0.65%

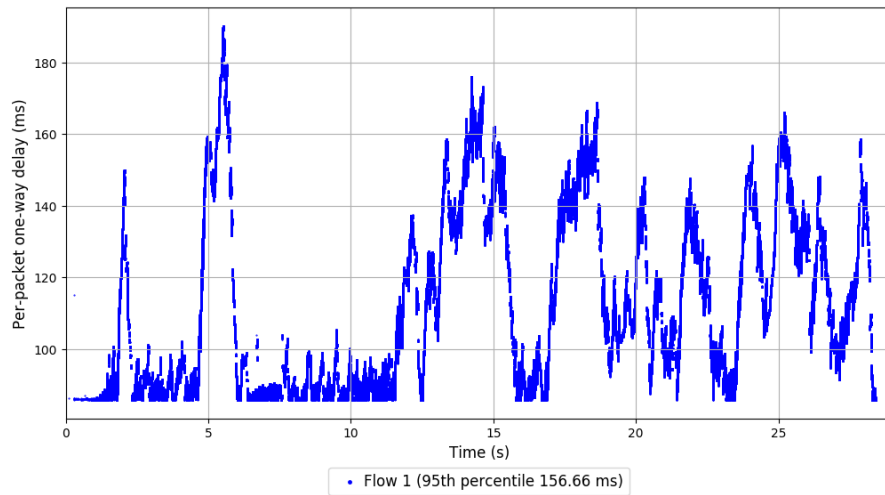
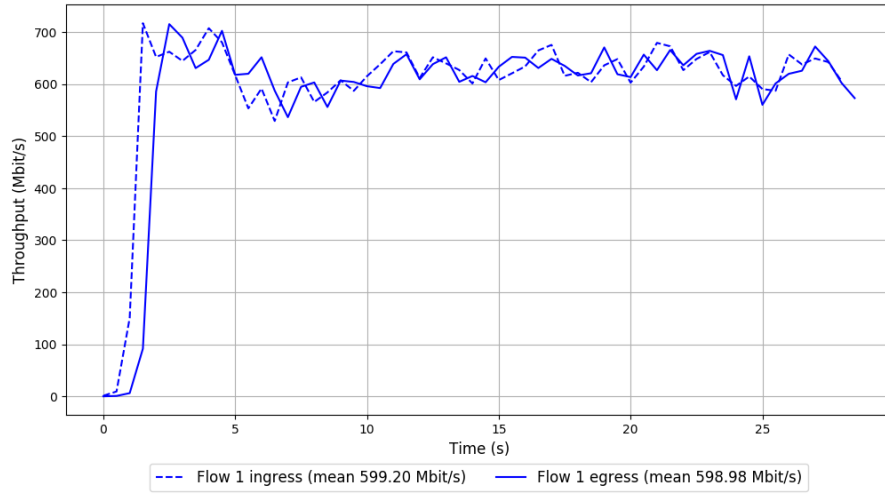
-- Flow 1:

Average throughput: 598.98 Mbit/s

95th percentile per-packet one-way delay: 156.664 ms

Loss rate: 0.65%

Run 5: Report of Indigo-MusesT — Data Link

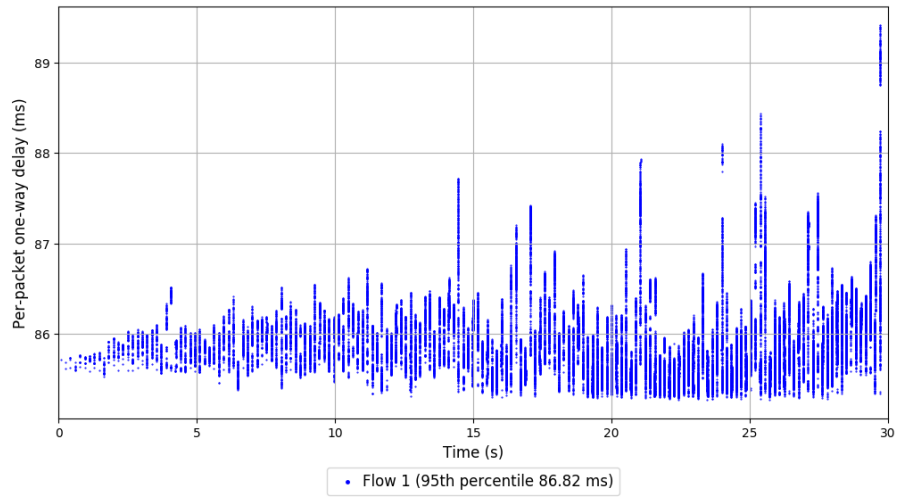
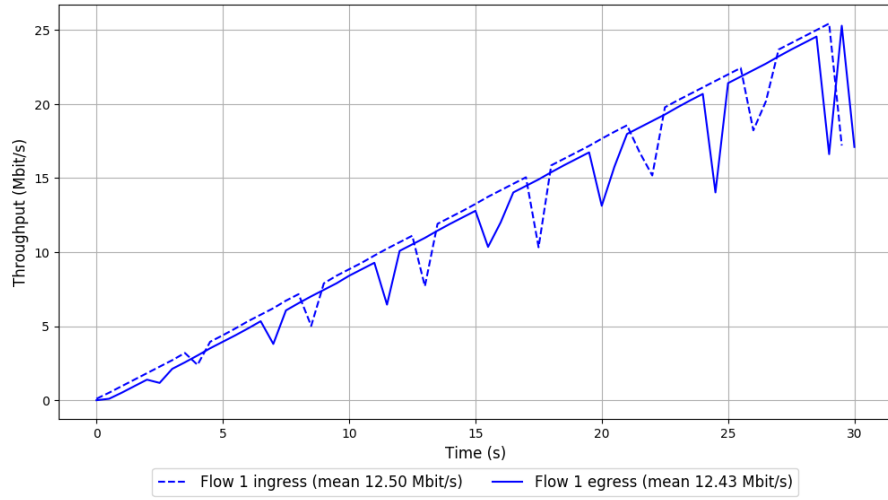


Run 1: Statistics of LEDBAT

Start at: 2019-05-29 18:32:17
End at: 2019-05-29 18:32:47
Local clock offset: 16.179 ms
Remote clock offset: 14.984 ms

Below is generated by plot.py at 2019-05-29 22:04:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 1.16%

Run 1: Report of LEDBAT — Data Link

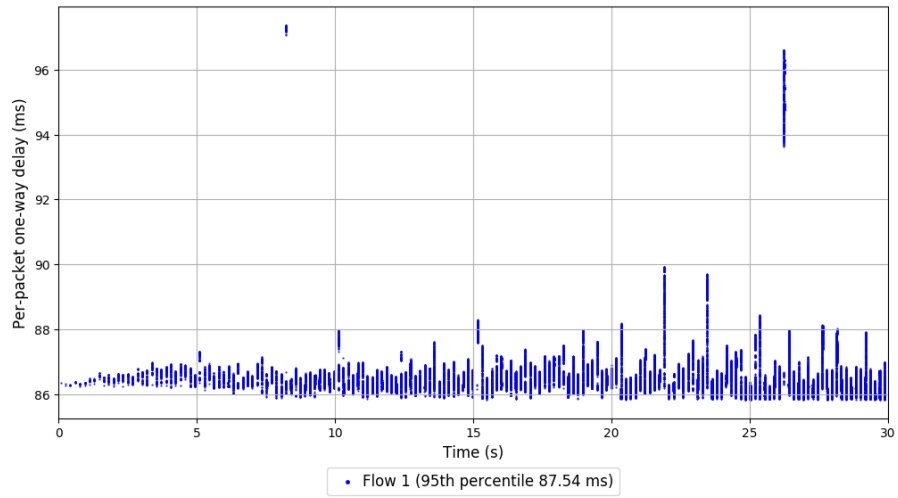
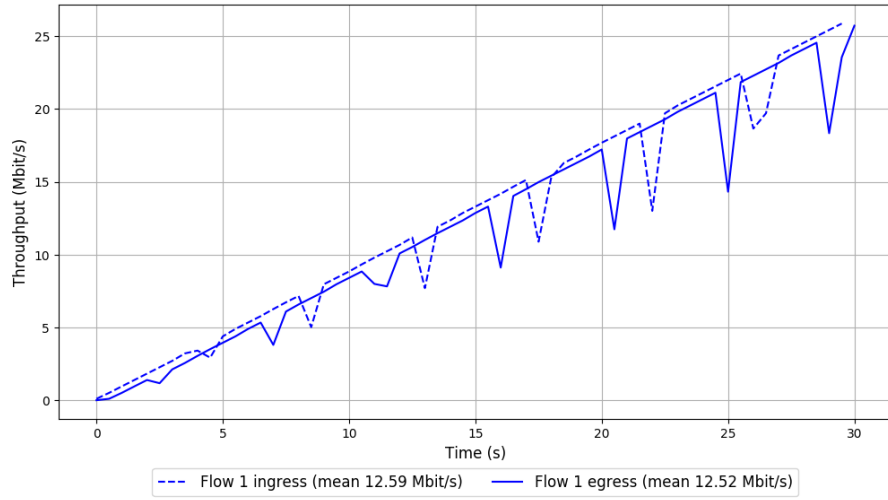


Run 2: Statistics of LEDBAT

Start at: 2019-05-29 19:03:11
End at: 2019-05-29 19:03:41
Local clock offset: 29.698 ms
Remote clock offset: 27.311 ms

Below is generated by plot.py at 2019-05-29 22:04:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 87.543 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 87.543 ms
Loss rate: 1.15%

Run 2: Report of LEDBAT — Data Link

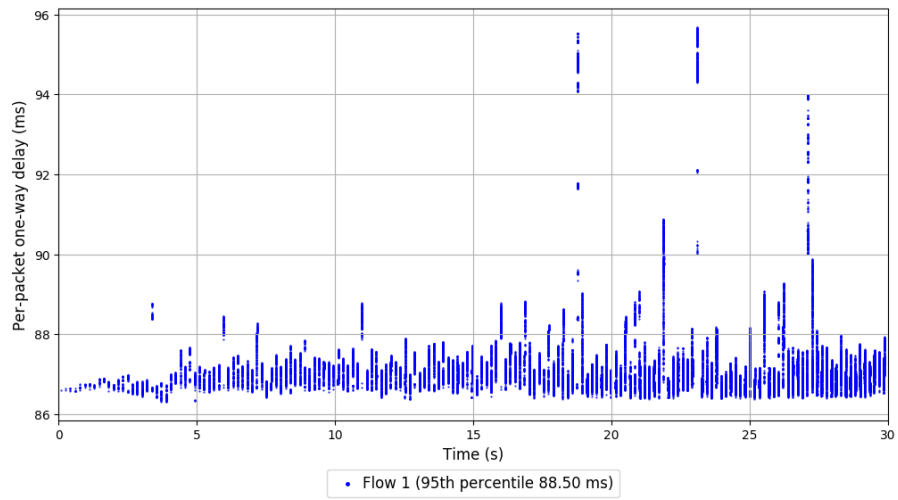
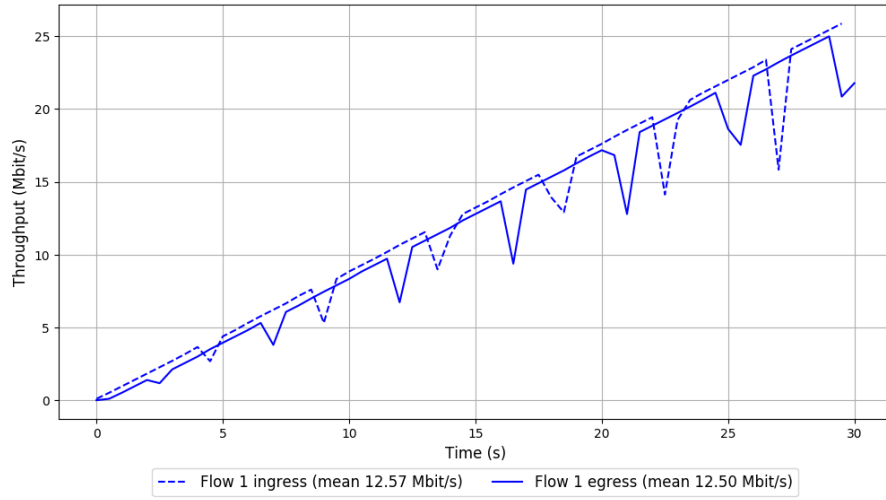


Run 3: Statistics of LEDBAT

Start at: 2019-05-29 19:34:02
End at: 2019-05-29 19:34:32
Local clock offset: 10.849 ms
Remote clock offset: 14.659 ms

Below is generated by plot.py at 2019-05-29 22:04:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 88.502 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 88.502 ms
Loss rate: 1.15%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-05-29 20:05:04

End at: 2019-05-29 20:05:34

Local clock offset: 3.752 ms

Remote clock offset: 5.197 ms

Below is generated by plot.py at 2019-05-29 22:04:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.51 Mbit/s

95th percentile per-packet one-way delay: 87.412 ms

Loss rate: 1.15%

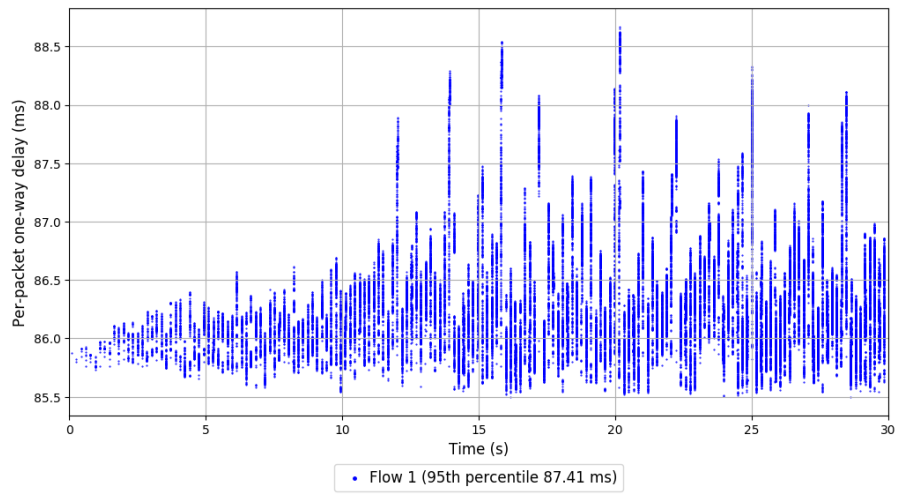
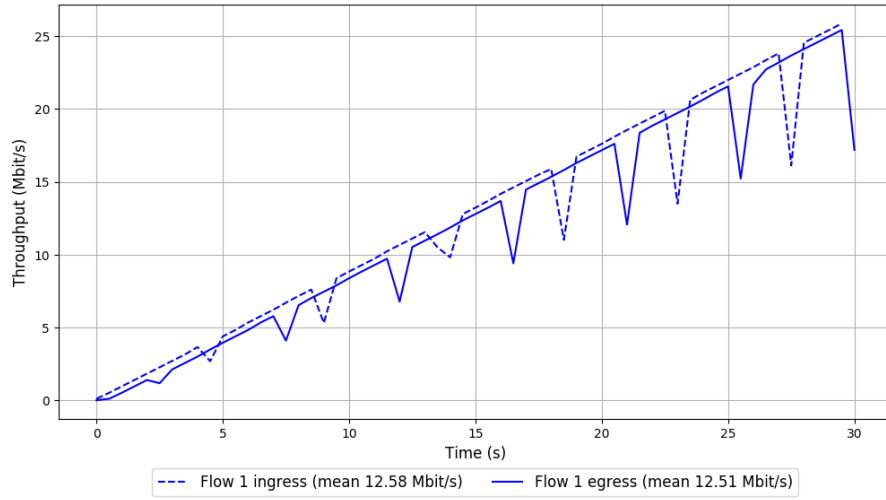
-- Flow 1:

Average throughput: 12.51 Mbit/s

95th percentile per-packet one-way delay: 87.412 ms

Loss rate: 1.15%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-05-29 20:36:04

End at: 2019-05-29 20:36:34

Local clock offset: 2.341 ms

Remote clock offset: 1.717 ms

Below is generated by plot.py at 2019-05-29 22:04:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 87.608 ms

Loss rate: 1.15%

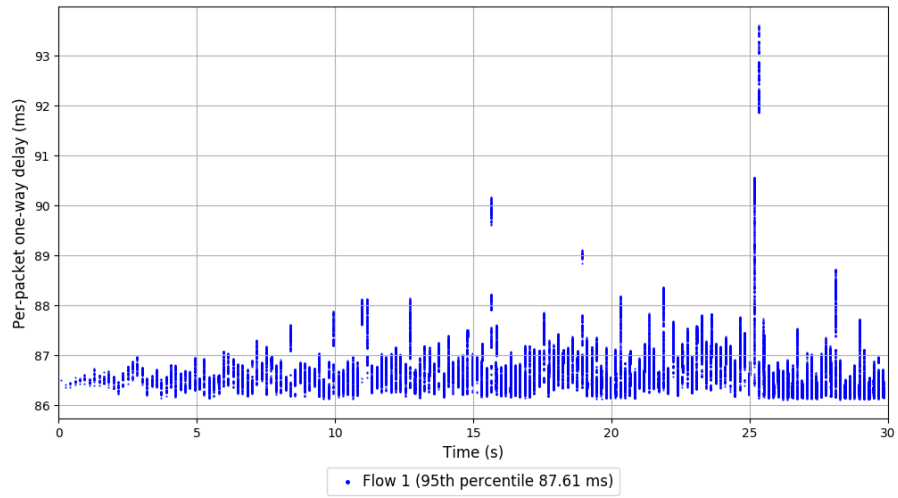
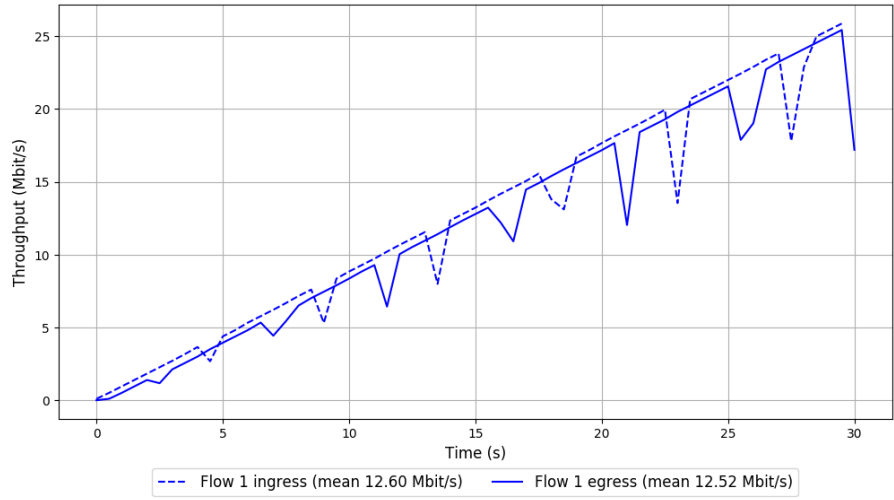
-- Flow 1:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 87.608 ms

Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-29 18:11:03

End at: 2019-05-29 18:11:33

Local clock offset: 6.674 ms

Remote clock offset: 6.987 ms

Below is generated by plot.py at 2019-05-29 22:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.55 Mbit/s

95th percentile per-packet one-way delay: 214.702 ms

Loss rate: 7.60%

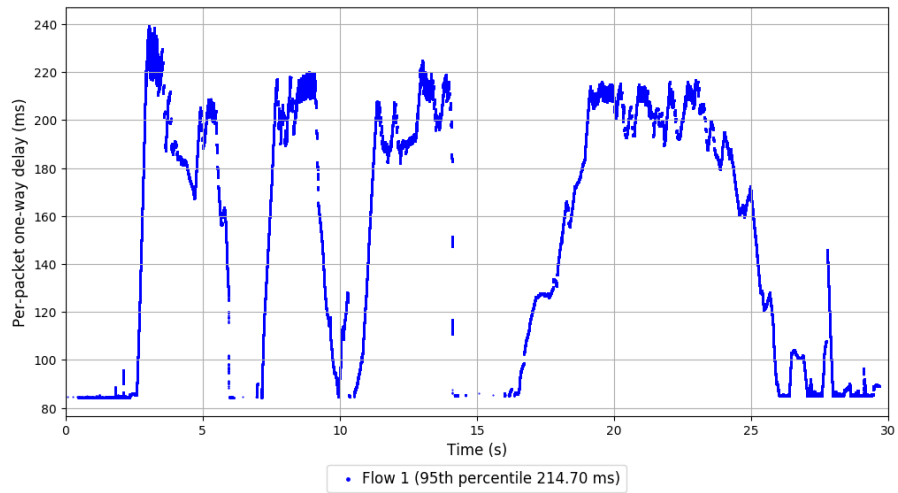
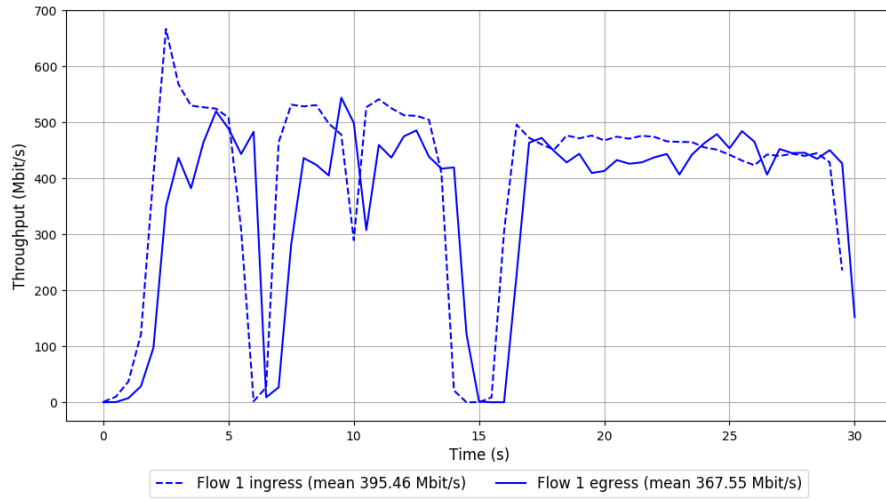
-- Flow 1:

Average throughput: 367.55 Mbit/s

95th percentile per-packet one-way delay: 214.702 ms

Loss rate: 7.60%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-29 18:42:00

End at: 2019-05-29 18:42:30

Local clock offset: 28.452 ms

Remote clock offset: 25.11 ms

Below is generated by plot.py at 2019-05-29 22:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.87 Mbit/s

95th percentile per-packet one-way delay: 119.002 ms

Loss rate: 1.14%

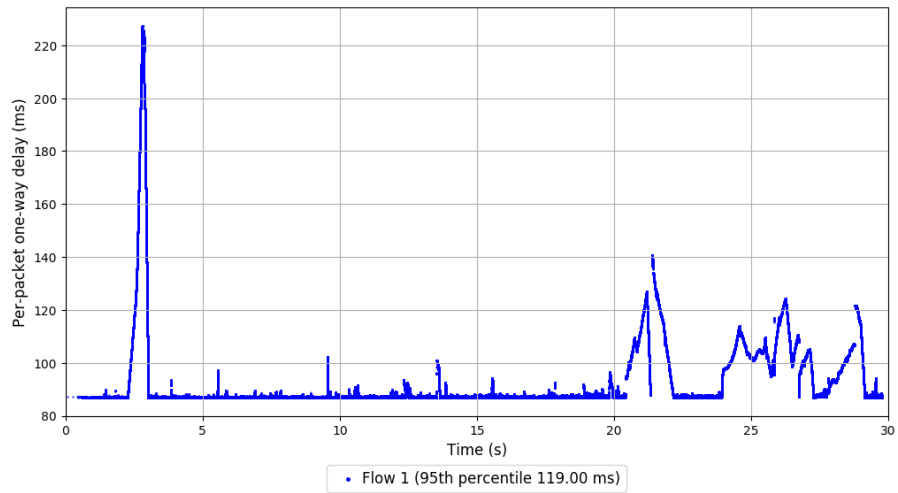
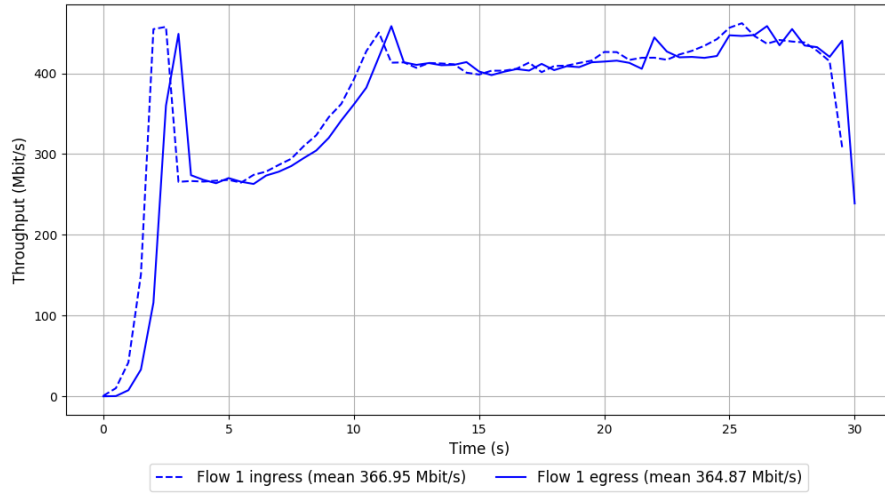
-- Flow 1:

Average throughput: 364.87 Mbit/s

95th percentile per-packet one-way delay: 119.002 ms

Loss rate: 1.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-29 19:12:52

End at: 2019-05-29 19:13:22

Local clock offset: 40.173 ms

Remote clock offset: 37.032 ms

Below is generated by plot.py at 2019-05-29 22:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.94 Mbit/s

95th percentile per-packet one-way delay: 106.880 ms

Loss rate: 1.16%

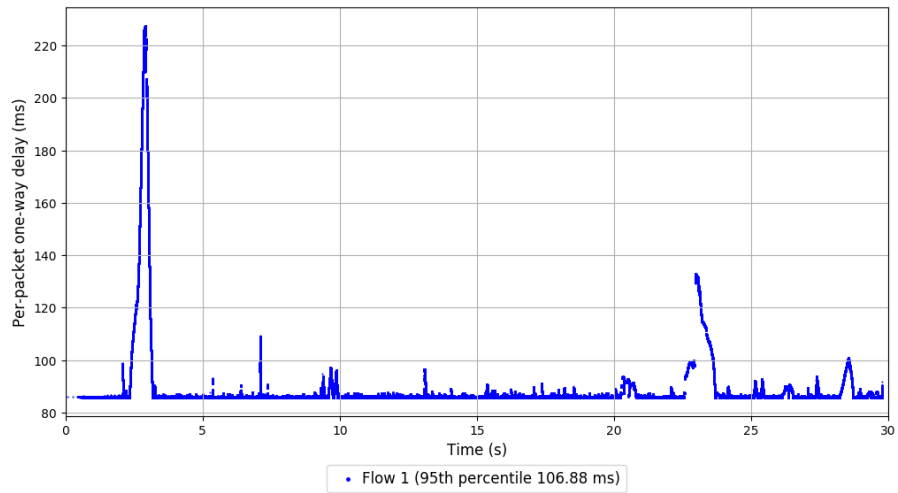
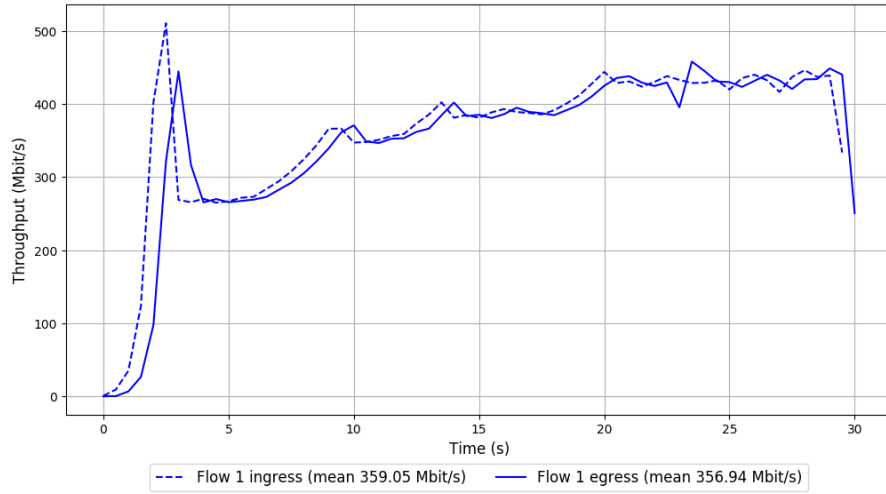
-- Flow 1:

Average throughput: 356.94 Mbit/s

95th percentile per-packet one-way delay: 106.880 ms

Loss rate: 1.16%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-29 19:43:49

End at: 2019-05-29 19:44:19

Local clock offset: 10.32 ms

Remote clock offset: 17.052 ms

Below is generated by plot.py at 2019-05-29 22:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.10 Mbit/s

95th percentile per-packet one-way delay: 137.355 ms

Loss rate: 0.75%

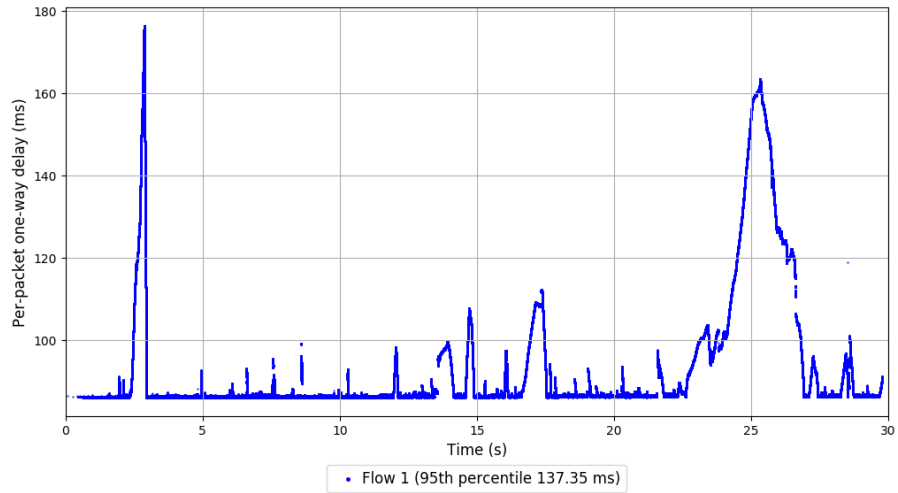
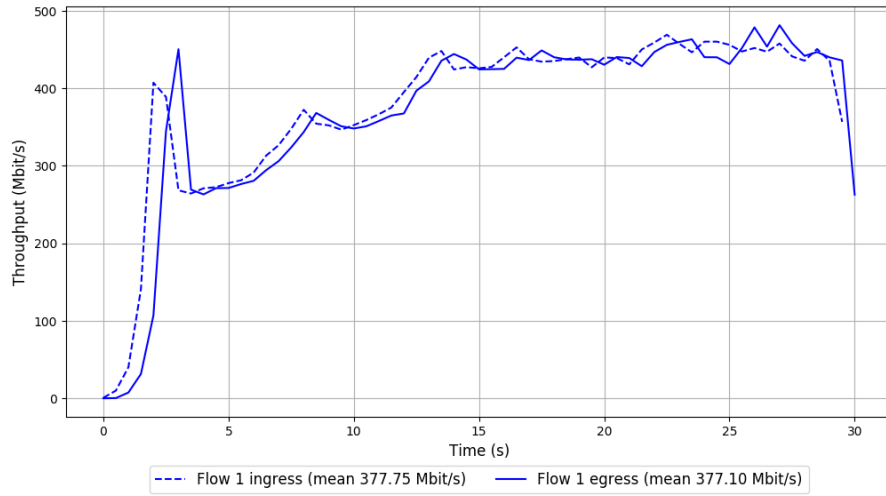
-- Flow 1:

Average throughput: 377.10 Mbit/s

95th percentile per-packet one-way delay: 137.355 ms

Loss rate: 0.75%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-29 20:14:49

End at: 2019-05-29 20:15:19

Local clock offset: 4.116 ms

Remote clock offset: 4.187 ms

Below is generated by plot.py at 2019-05-29 22:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.60 Mbit/s

95th percentile per-packet one-way delay: 193.131 ms

Loss rate: 2.63%

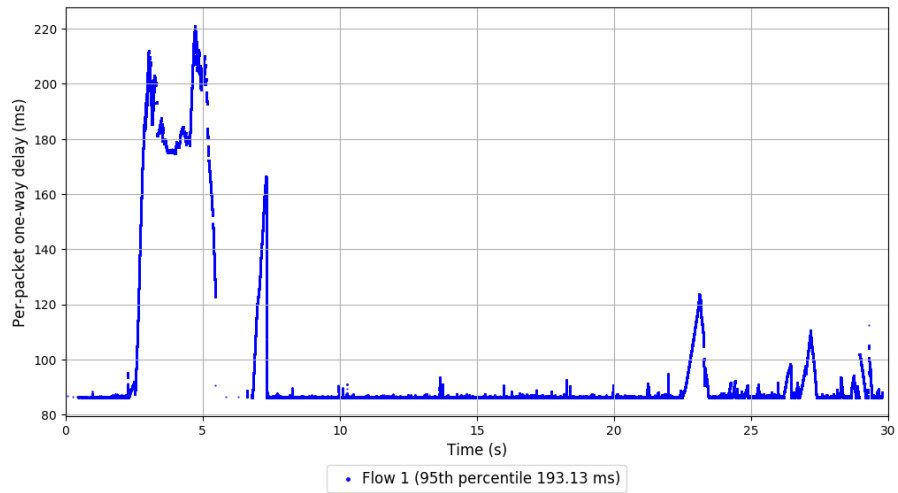
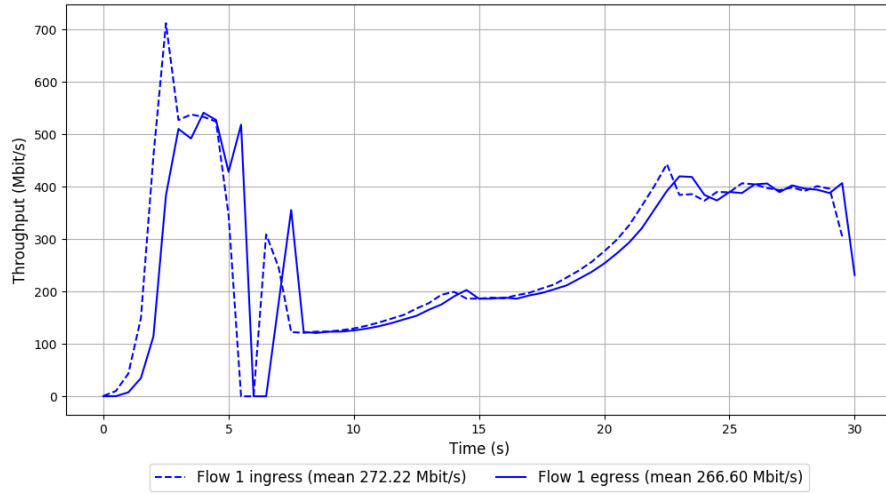
-- Flow 1:

Average throughput: 266.60 Mbit/s

95th percentile per-packet one-way delay: 193.131 ms

Loss rate: 2.63%

Run 5: Report of PCC-Allegro — Data Link

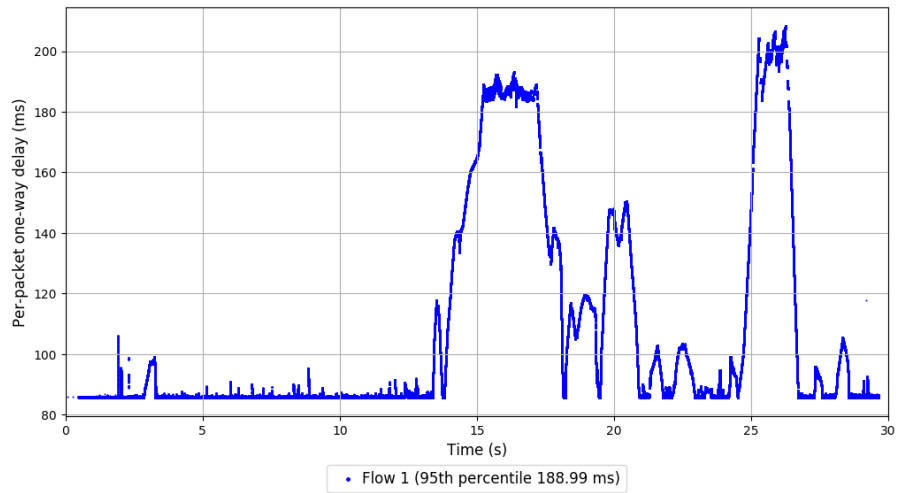
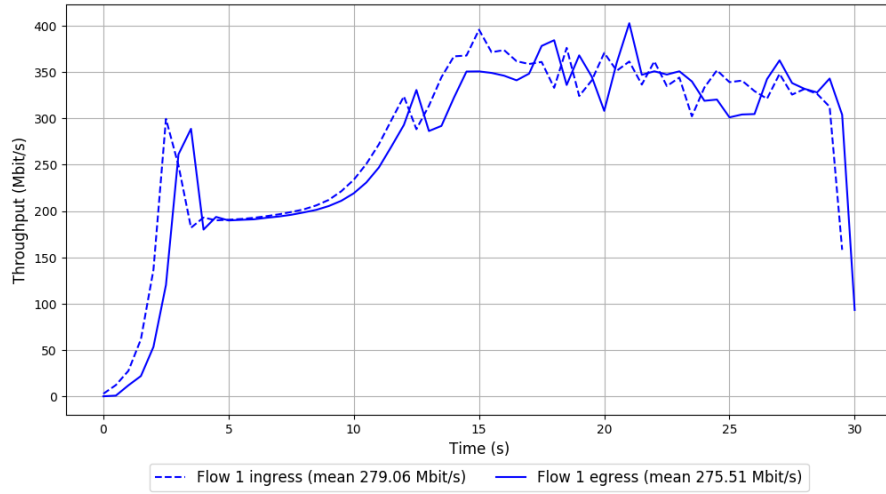


Run 1: Statistics of PCC-Expr

Start at: 2019-05-29 18:36:13
End at: 2019-05-29 18:36:43
Local clock offset: 21.054 ms
Remote clock offset: 19.058 ms

Below is generated by plot.py at 2019-05-29 22:14:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.51 Mbit/s
95th percentile per-packet one-way delay: 188.993 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 275.51 Mbit/s
95th percentile per-packet one-way delay: 188.993 ms
Loss rate: 1.85%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-05-29 19:07:09
End at: 2019-05-29 19:07:39
Local clock offset: 33.122 ms
Remote clock offset: 31.033 ms

Below is generated by plot.py at 2019-05-29 22:14:18

Datalink statistics

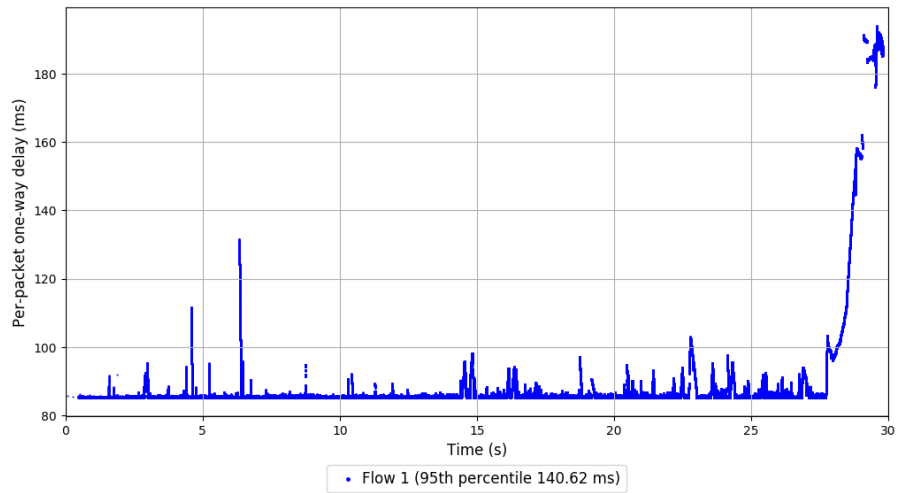
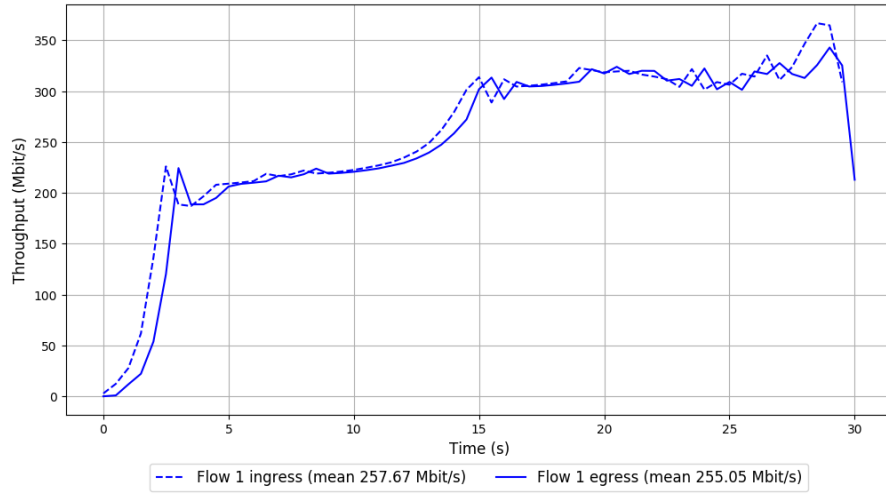
-- Total of 1 flow:

Average throughput: 255.05 Mbit/s
95th percentile per-packet one-way delay: 140.615 ms
Loss rate: 1.60%

-- Flow 1:

Average throughput: 255.05 Mbit/s
95th percentile per-packet one-way delay: 140.615 ms
Loss rate: 1.60%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-29 19:37:59

End at: 2019-05-29 19:38:29

Local clock offset: 9.755 ms

Remote clock offset: 15.185 ms

Below is generated by plot.py at 2019-05-29 22:15:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.63 Mbit/s

95th percentile per-packet one-way delay: 188.116 ms

Loss rate: 2.37%

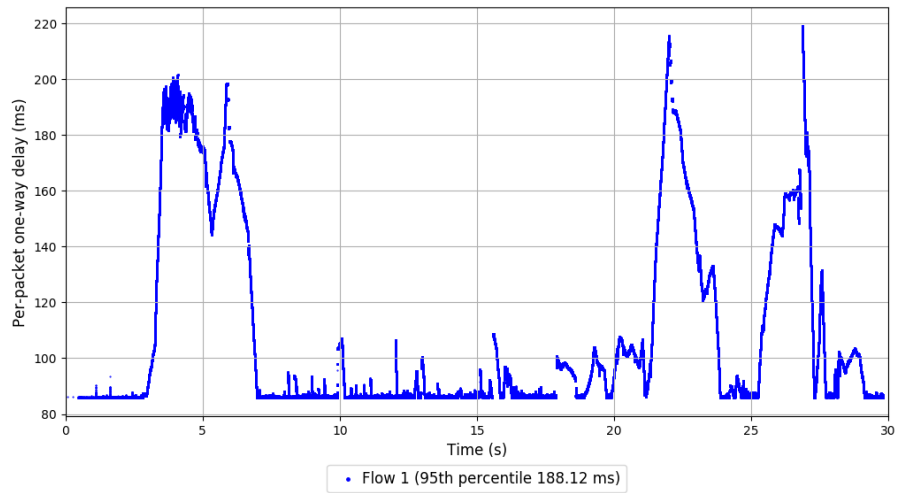
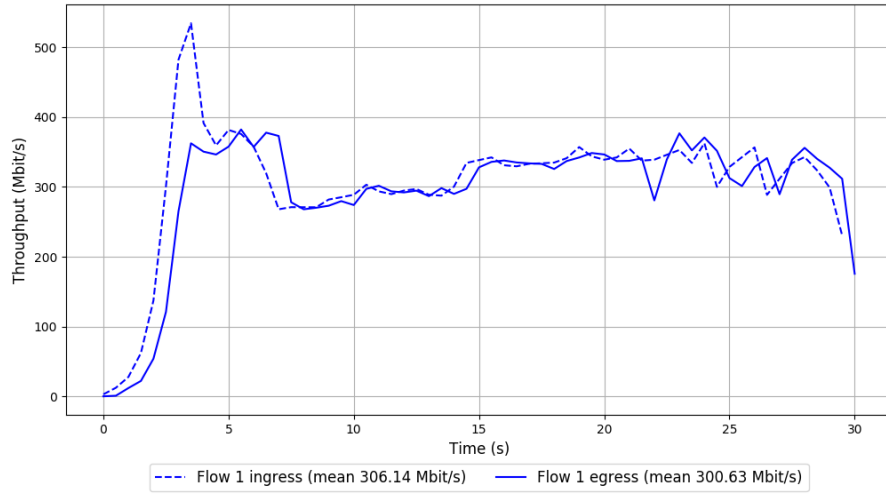
-- Flow 1:

Average throughput: 300.63 Mbit/s

95th percentile per-packet one-way delay: 188.116 ms

Loss rate: 2.37%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-05-29 20:09:01

End at: 2019-05-29 20:09:31

Local clock offset: 4.041 ms

Remote clock offset: 4.439 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.05 Mbit/s

95th percentile per-packet one-way delay: 186.270 ms

Loss rate: 2.10%

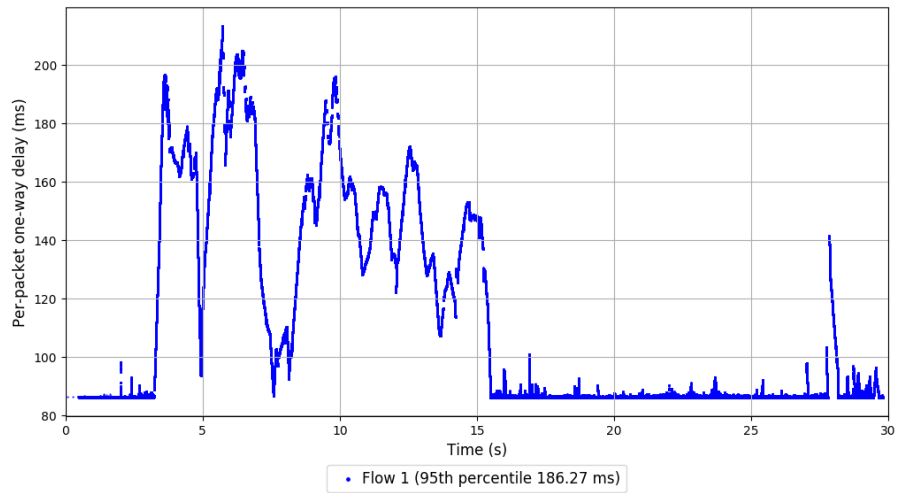
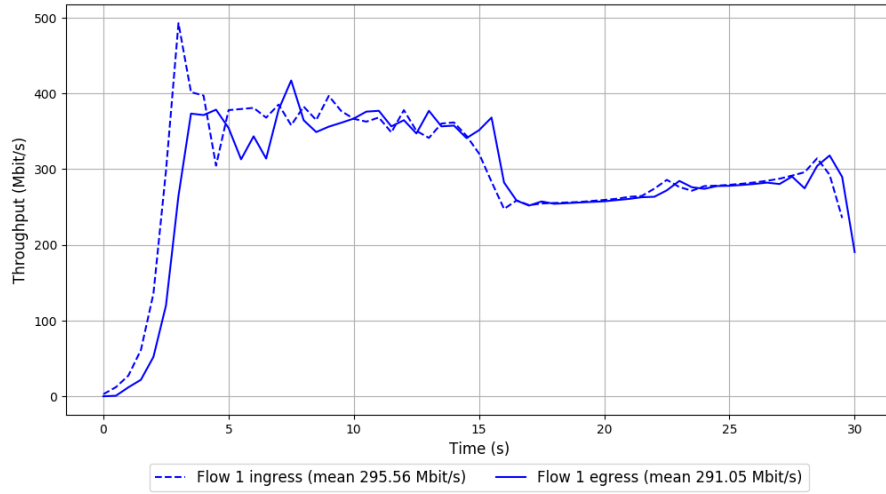
-- Flow 1:

Average throughput: 291.05 Mbit/s

95th percentile per-packet one-way delay: 186.270 ms

Loss rate: 2.10%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-05-29 20:40:01

End at: 2019-05-29 20:40:31

Local clock offset: 1.804 ms

Remote clock offset: 1.566 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.07 Mbit/s

95th percentile per-packet one-way delay: 95.006 ms

Loss rate: 0.91%

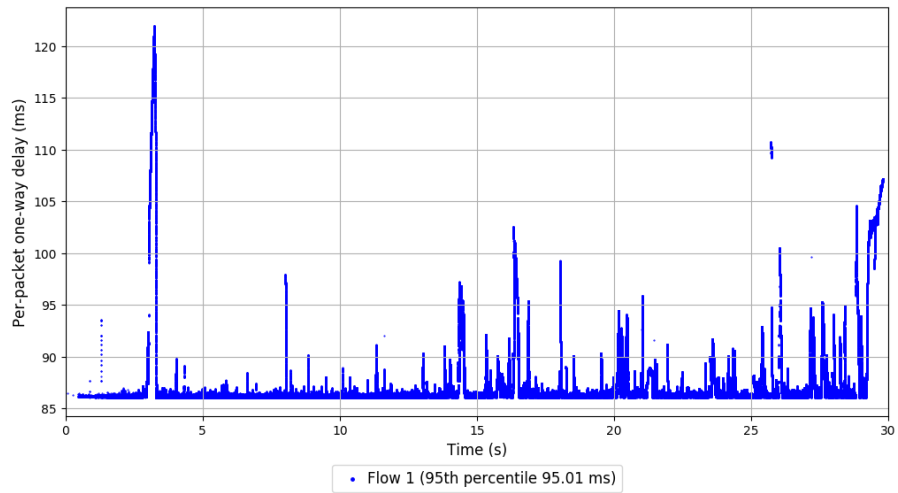
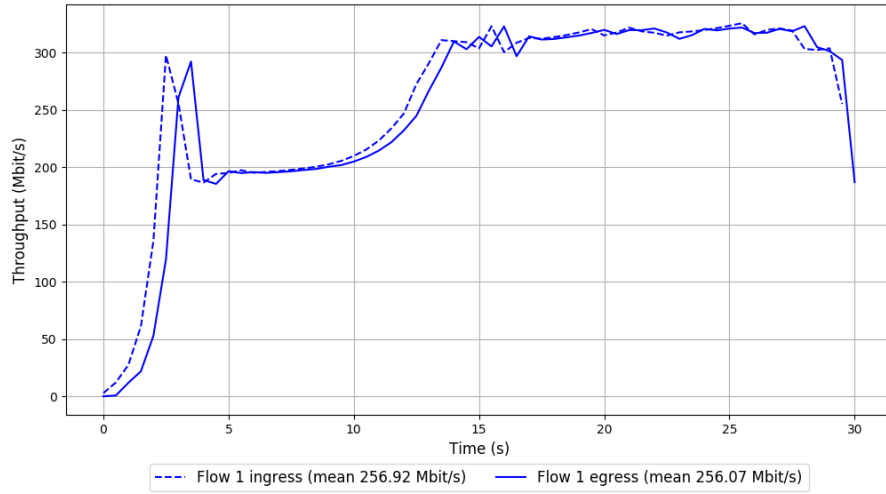
-- Flow 1:

Average throughput: 256.07 Mbit/s

95th percentile per-packet one-way delay: 95.006 ms

Loss rate: 0.91%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

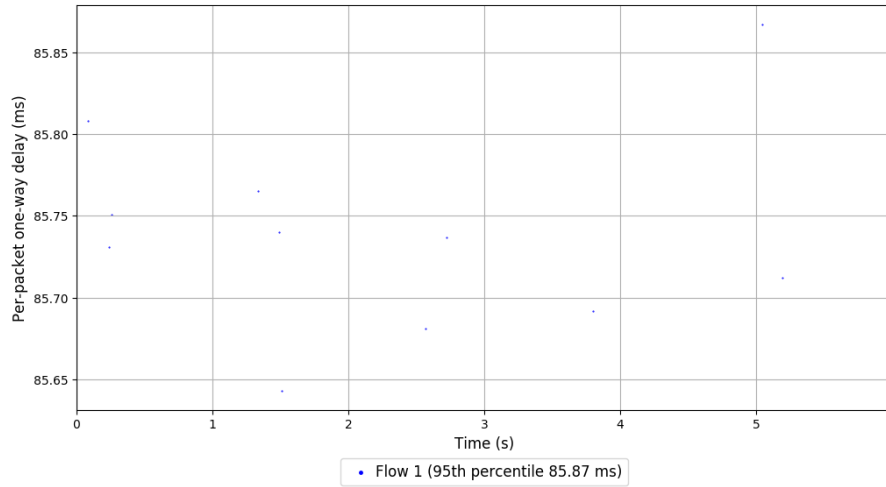
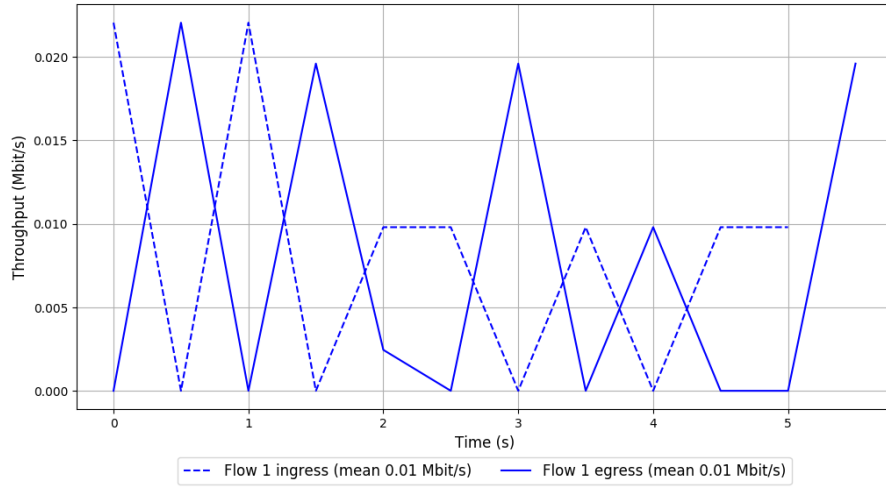
Start at: 2019-05-29 18:09:54

End at: 2019-05-29 18:10:25

Local clock offset: 4.257 ms

Remote clock offset: 3.877 ms

Run 1: Report of QUIC Cubic — Data Link

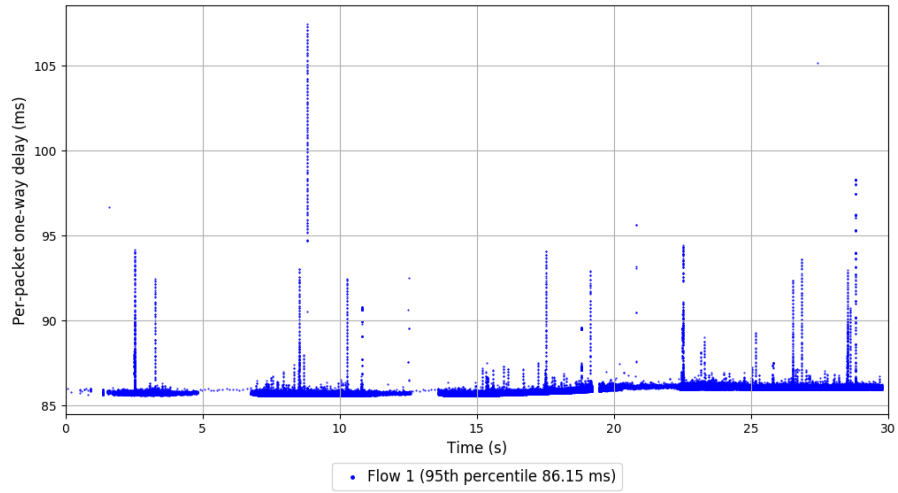
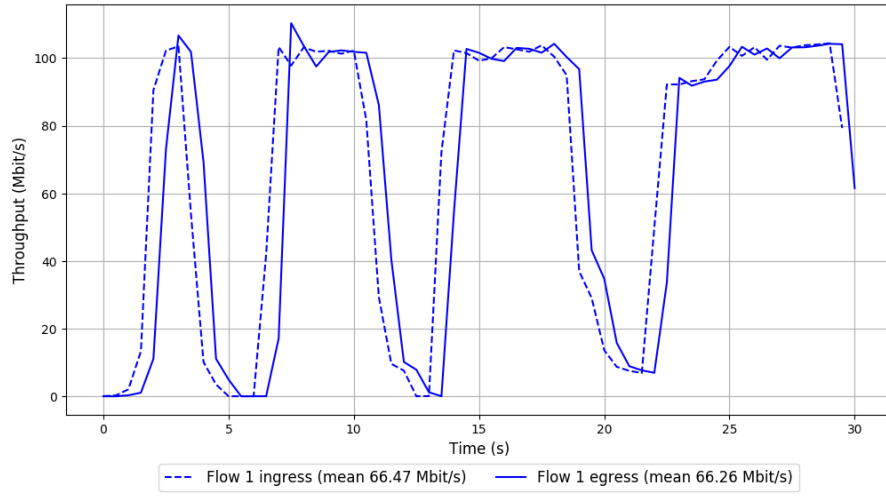


Run 2: Statistics of QUIC Cubic

Start at: 2019-05-29 18:40:47
End at: 2019-05-29 18:41:17
Local clock offset: 27.926 ms
Remote clock offset: 25.283 ms

Below is generated by plot.py at 2019-05-29 22:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 86.146 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 86.146 ms
Loss rate: 0.90%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-29 19:11:40

End at: 2019-05-29 19:12:10

Local clock offset: 38.322 ms

Remote clock offset: 35.69 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.02 Mbit/s

95th percentile per-packet one-way delay: 85.919 ms

Loss rate: 0.96%

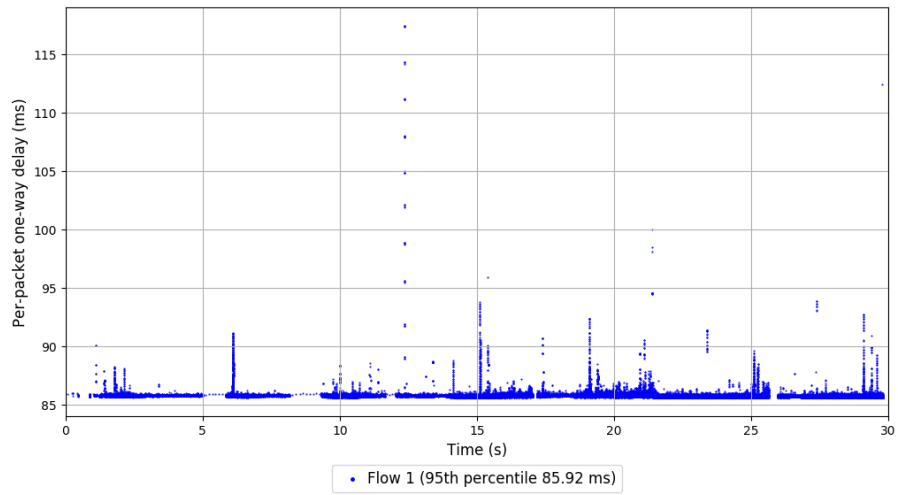
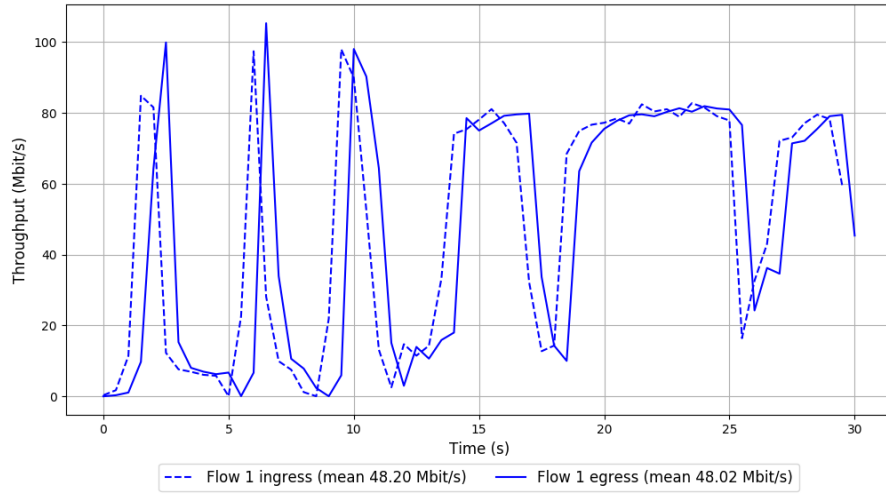
-- Flow 1:

Average throughput: 48.02 Mbit/s

95th percentile per-packet one-way delay: 85.919 ms

Loss rate: 0.96%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-05-29 19:42:36

End at: 2019-05-29 19:43:06

Local clock offset: 9.759 ms

Remote clock offset: 16.598 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 85.942 ms

Loss rate: 0.91%

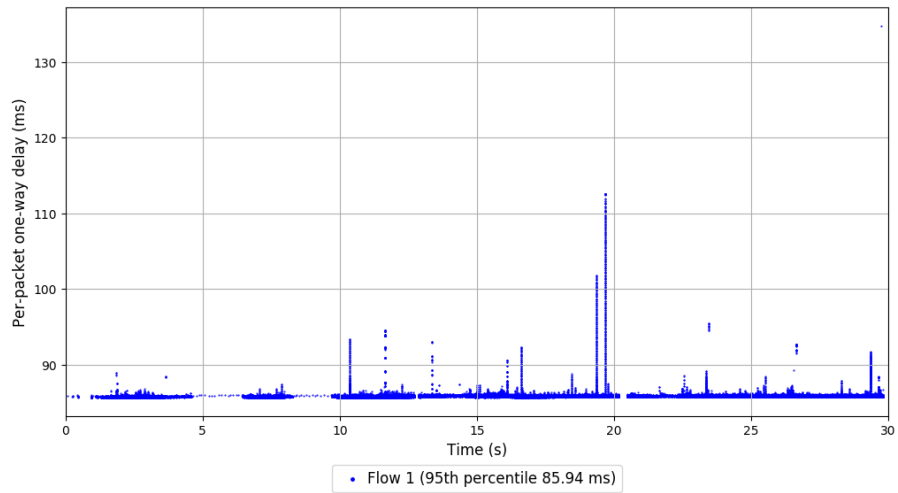
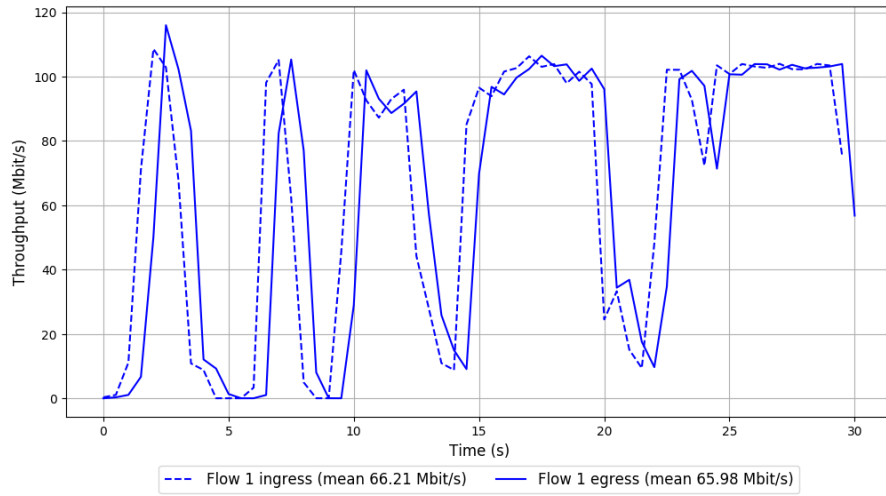
-- Flow 1:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 85.942 ms

Loss rate: 0.91%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-29 20:13:36

End at: 2019-05-29 20:14:06

Local clock offset: 4.199 ms

Remote clock offset: 4.206 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.22 Mbit/s

95th percentile per-packet one-way delay: 86.146 ms

Loss rate: 0.83%

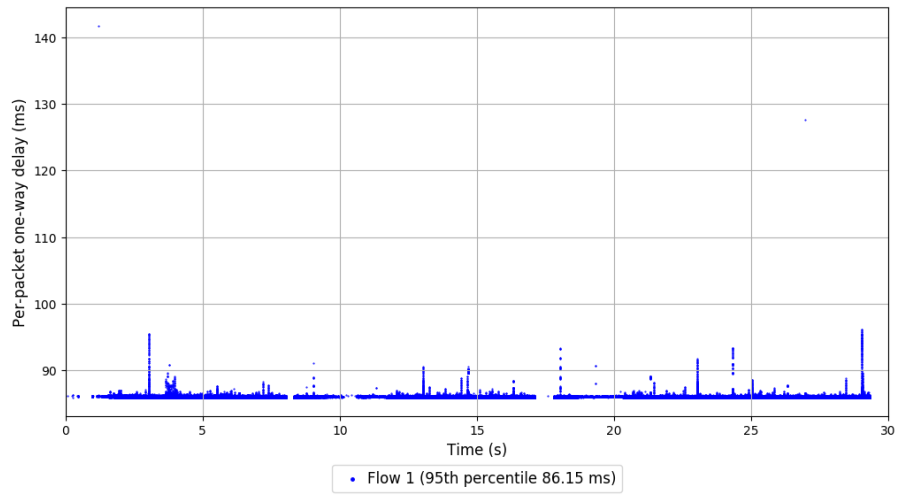
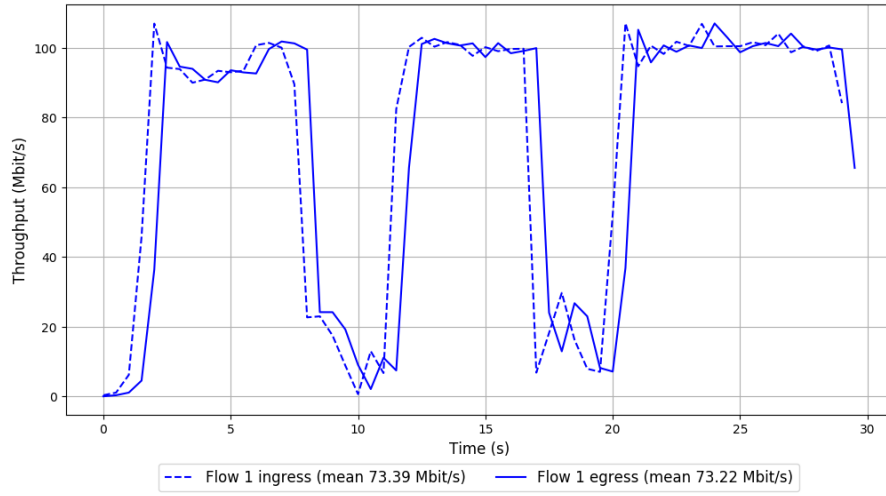
-- Flow 1:

Average throughput: 73.22 Mbit/s

95th percentile per-packet one-way delay: 86.146 ms

Loss rate: 0.83%

Run 5: Report of QUIC Cubic — Data Link

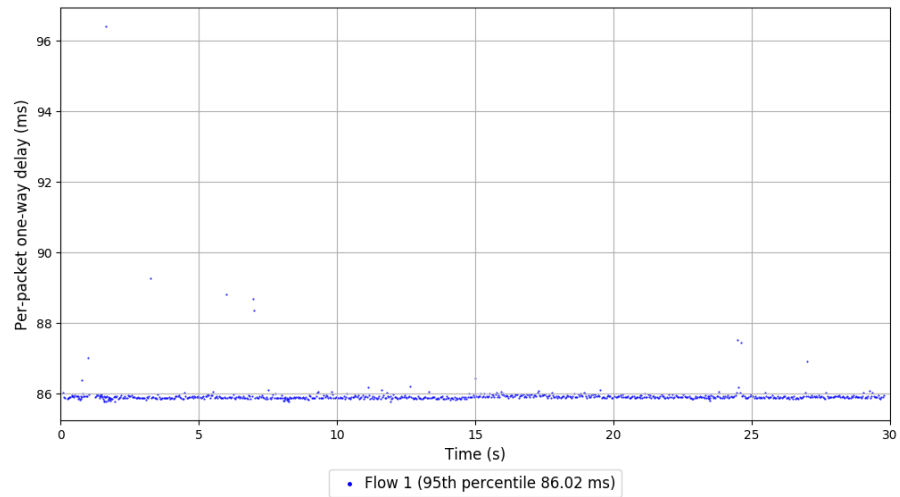
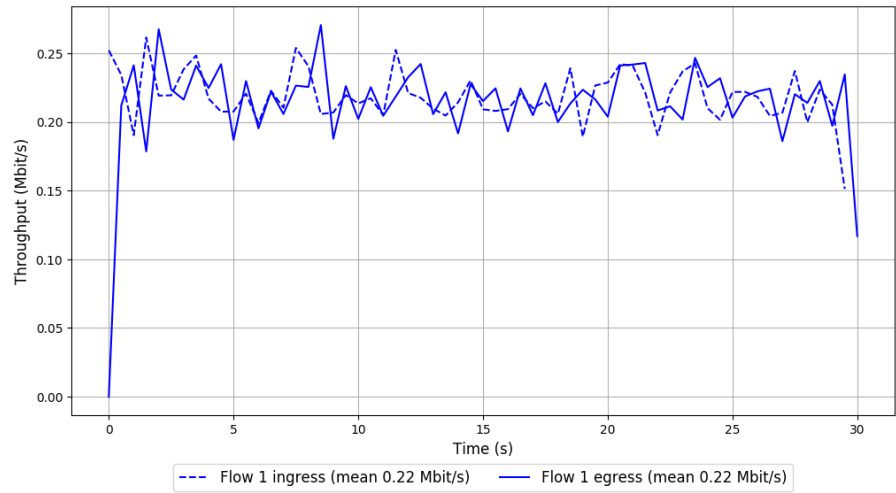


Run 1: Statistics of SCReAM

Start at: 2019-05-29 18:31:08
End at: 2019-05-29 18:31:38
Local clock offset: 15.321 ms
Remote clock offset: 13.988 ms

Below is generated by plot.py at 2019-05-29 22:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.023 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.023 ms
Loss rate: 0.51%

Run 1: Report of SCReAM — Data Link

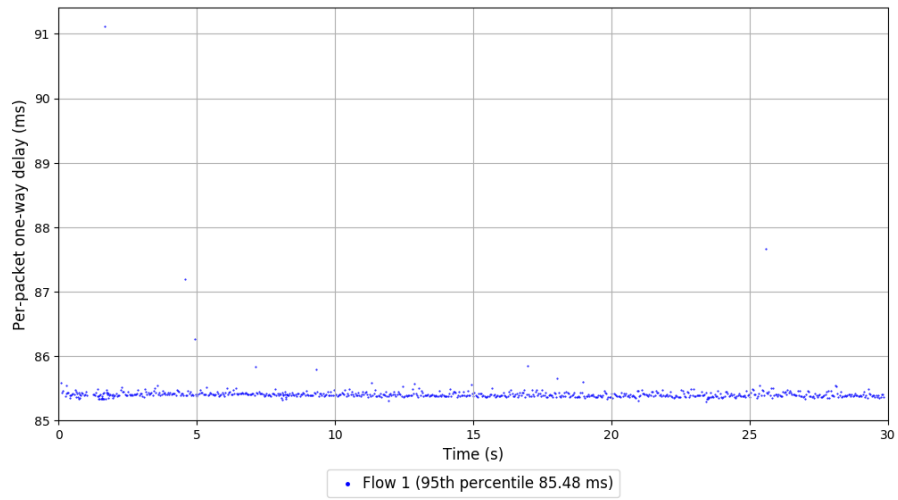
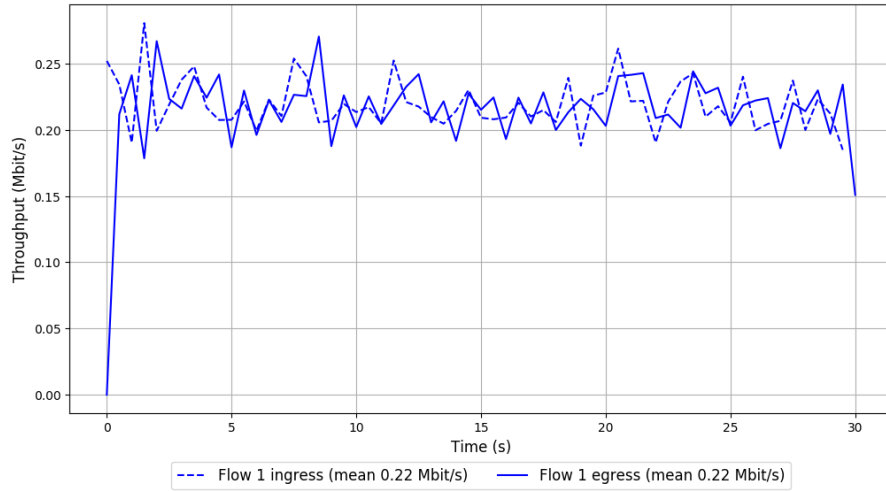


Run 2: Statistics of SCReAM

Start at: 2019-05-29 19:02:02
End at: 2019-05-29 19:02:32
Local clock offset: 27.929 ms
Remote clock offset: 26.335 ms

Below is generated by plot.py at 2019-05-29 22:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.483 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.483 ms
Loss rate: 0.51%

Run 2: Report of SCReAM — Data Link

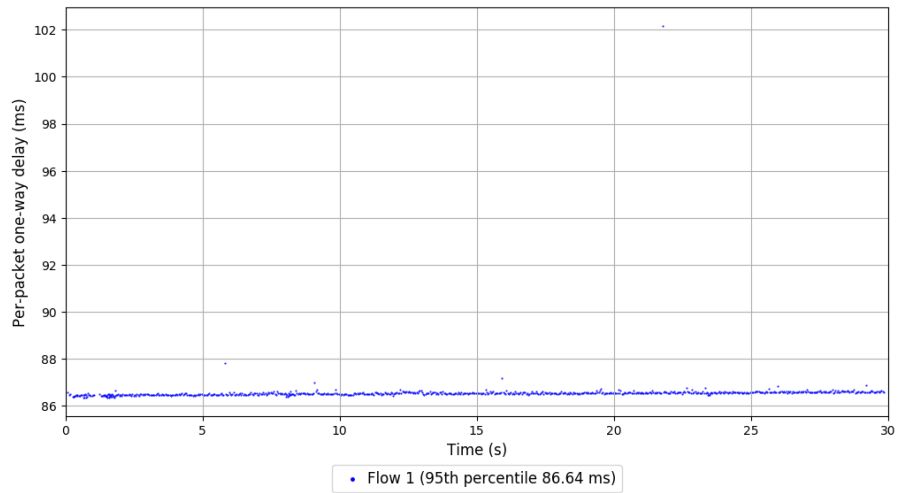
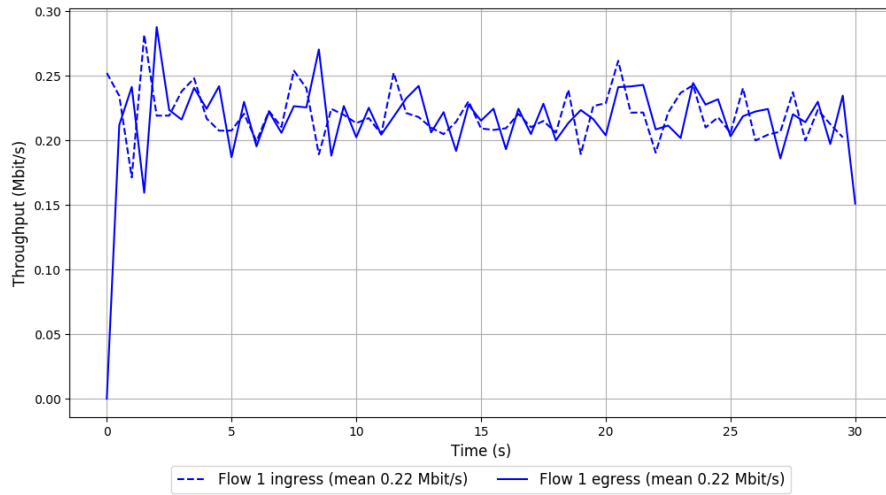


Run 3: Statistics of SCReAM

Start at: 2019-05-29 19:32:54
End at: 2019-05-29 19:33:24
Local clock offset: 11.113 ms
Remote clock offset: 14.687 ms

```
# Below is generated by plot.py at 2019-05-29 22:21:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.635 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.635 ms
Loss rate: 0.64%
```

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-05-29 20:03:56

End at: 2019-05-29 20:04:26

Local clock offset: 4.032 ms

Remote clock offset: 5.409 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.126 ms

Loss rate: 0.64%

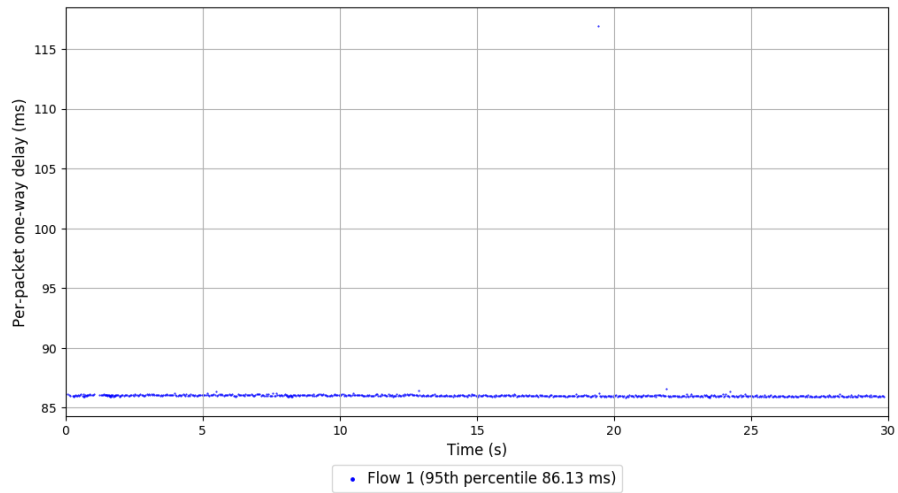
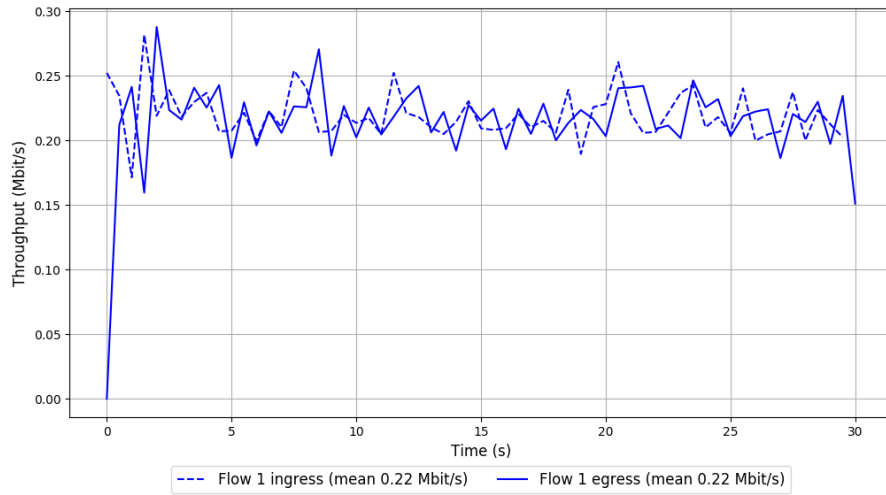
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.126 ms

Loss rate: 0.64%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-05-29 20:34:55

End at: 2019-05-29 20:35:25

Local clock offset: 2.448 ms

Remote clock offset: 1.802 ms

Below is generated by plot.py at 2019-05-29 22:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.524 ms

Loss rate: 0.51%

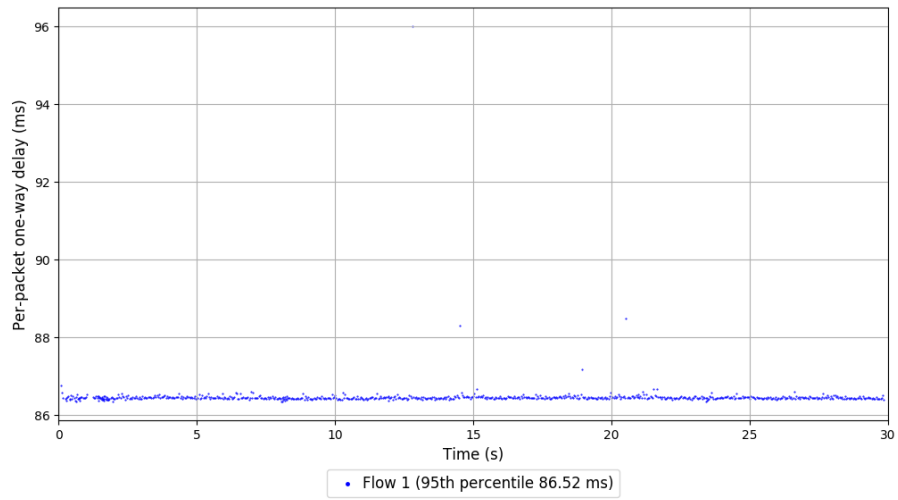
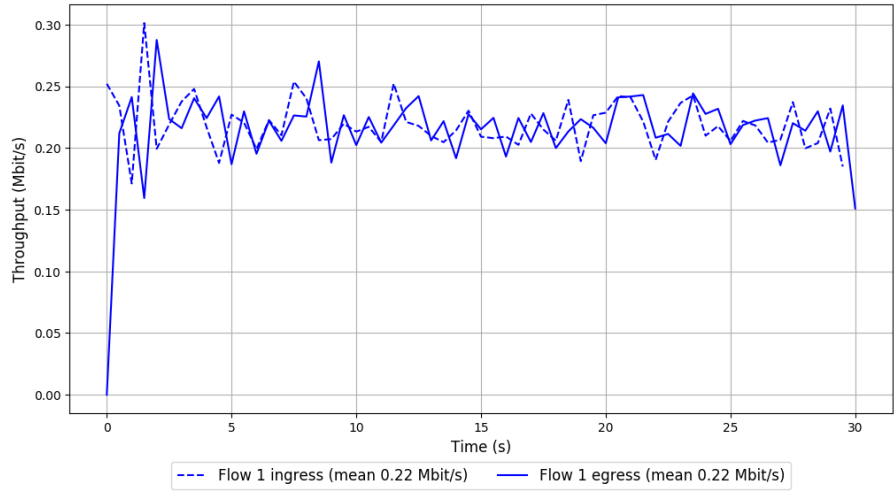
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.524 ms

Loss rate: 0.51%

Run 5: Report of SCReAM — Data Link

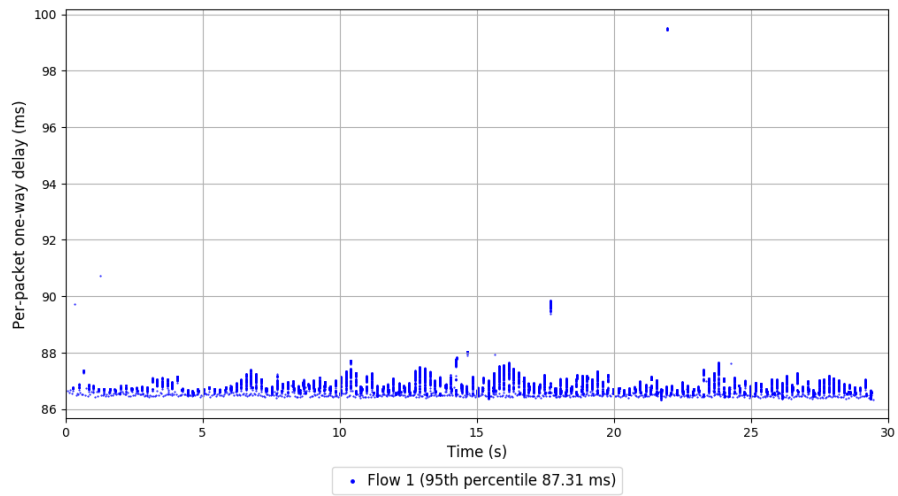
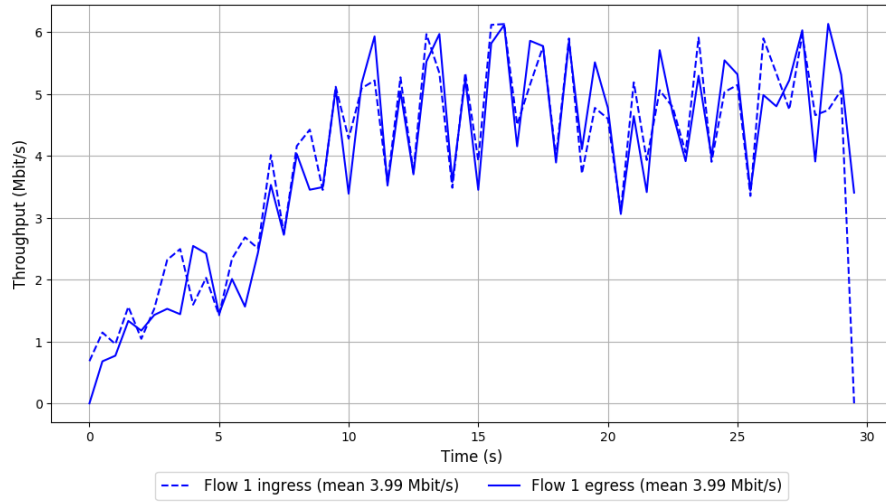


Run 1: Statistics of Sprout

Start at: 2019-05-29 18:35:03
End at: 2019-05-29 18:35:33
Local clock offset: 19.856 ms
Remote clock offset: 17.735 ms

Below is generated by plot.py at 2019-05-29 22:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 87.305 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 87.305 ms
Loss rate: 0.70%

Run 1: Report of Sprout — Data Link

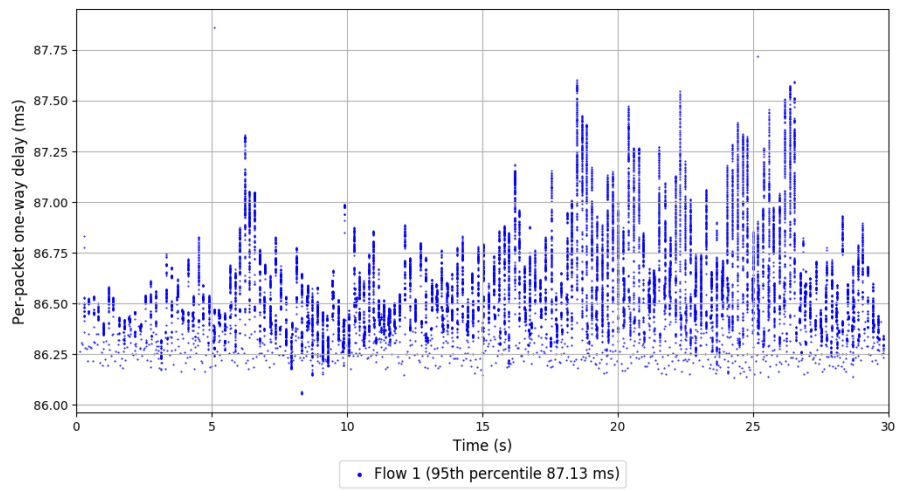
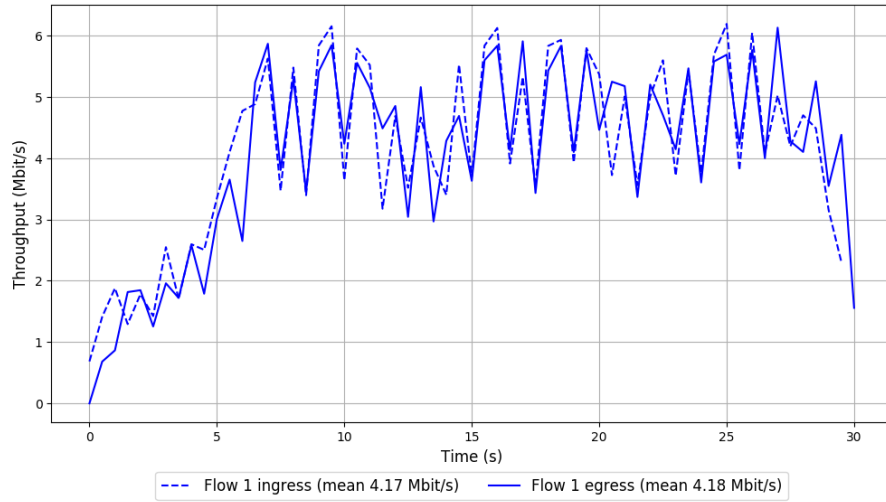


Run 2: Statistics of Sprout

Start at: 2019-05-29 19:05:59
End at: 2019-05-29 19:06:29
Local clock offset: 32.26 ms
Remote clock offset: 29.821 ms

Below is generated by plot.py at 2019-05-29 22:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 87.130 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 87.130 ms
Loss rate: 0.30%

Run 2: Report of Sprout — Data Link

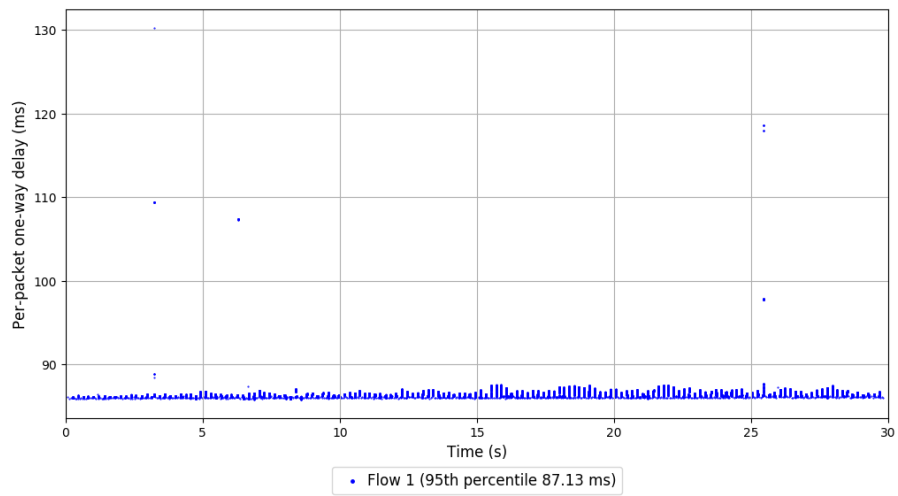
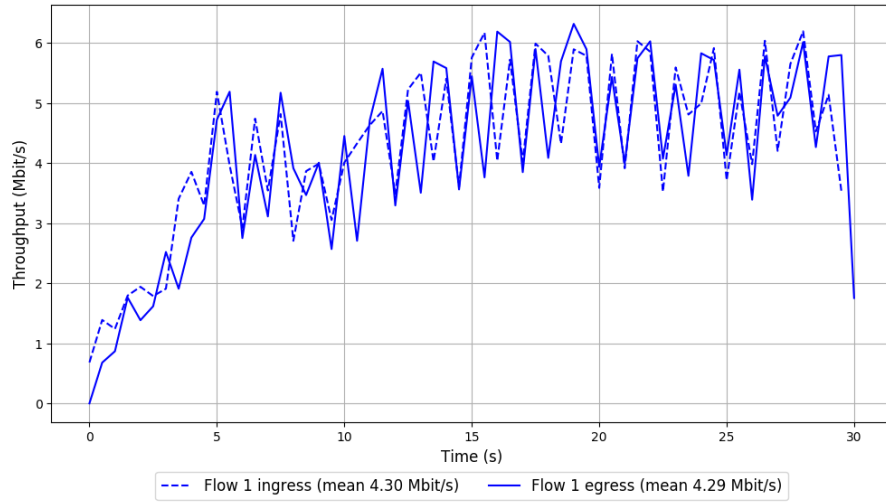


Run 3: Statistics of Sprout

Start at: 2019-05-29 19:36:49
End at: 2019-05-29 19:37:19
Local clock offset: 9.846 ms
Remote clock offset: 15.002 ms

```
# Below is generated by plot.py at 2019-05-29 22:21:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 87.127 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 87.127 ms
Loss rate: 0.70%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-29 20:07:51

End at: 2019-05-29 20:08:21

Local clock offset: 3.817 ms

Remote clock offset: 4.639 ms

Below is generated by plot.py at 2019-05-29 22:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 86.689 ms

Loss rate: 0.71%

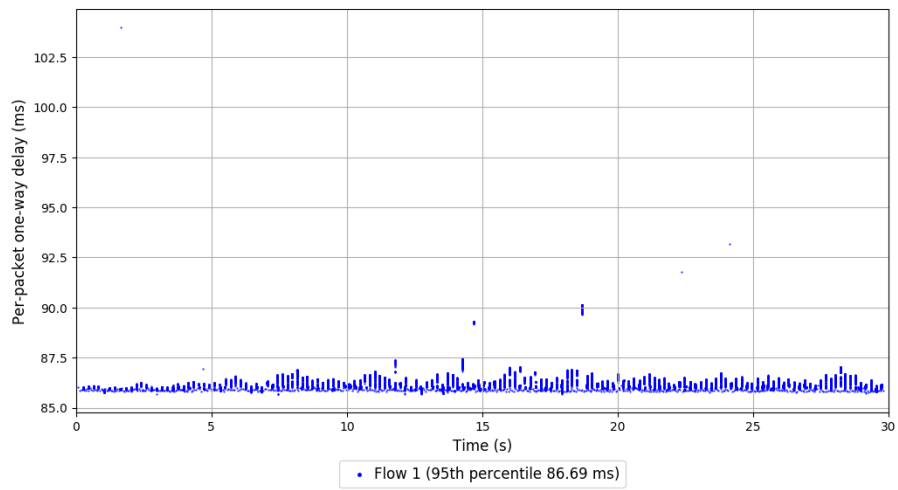
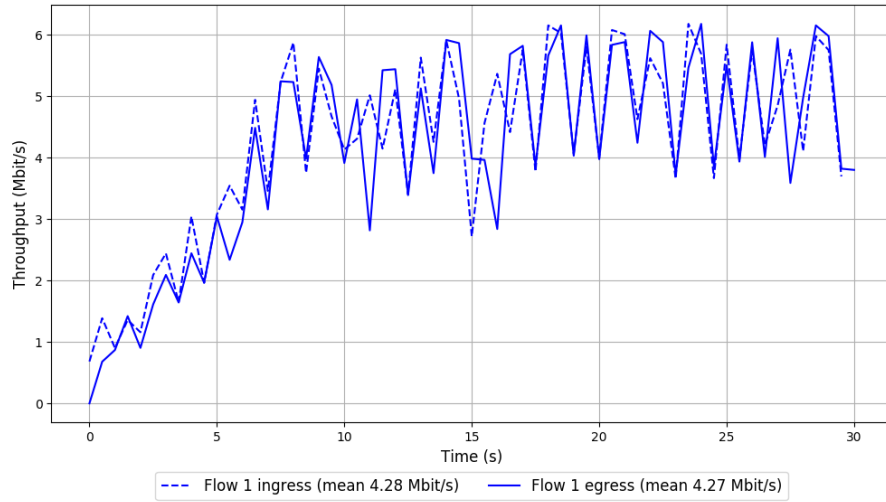
-- Flow 1:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 86.689 ms

Loss rate: 0.71%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-05-29 20:38:52

End at: 2019-05-29 20:39:22

Local clock offset: 2.229 ms

Remote clock offset: 1.61 ms

Below is generated by plot.py at 2019-05-29 22:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 87.051 ms

Loss rate: 0.37%

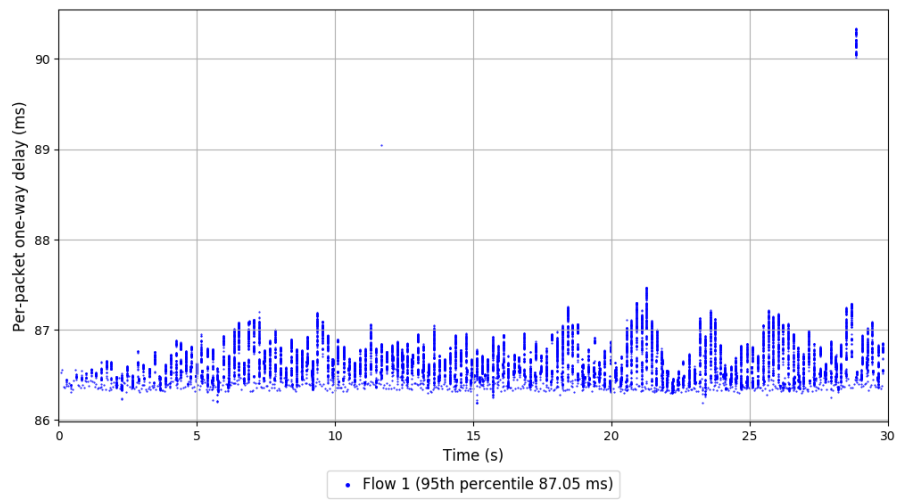
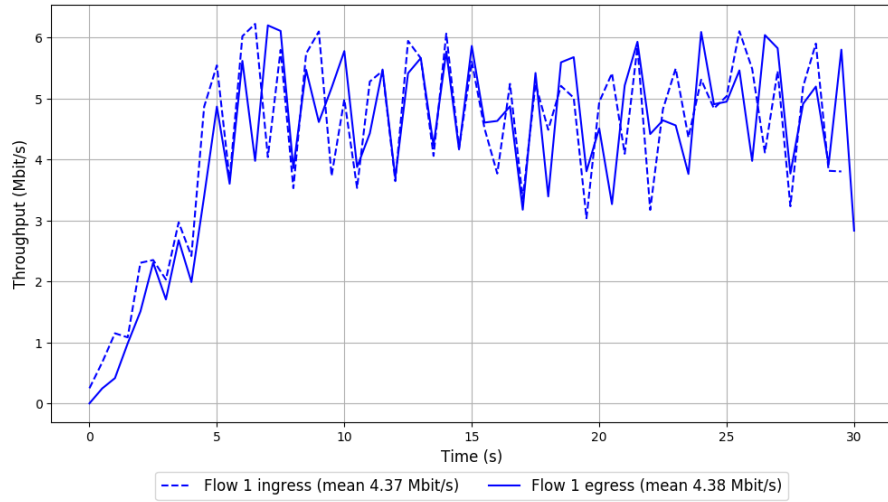
-- Flow 1:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 87.051 ms

Loss rate: 0.37%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-05-29 18:37:48

End at: 2019-05-29 18:38:18

Local clock offset: 22.705 ms

Remote clock offset: 21.253 ms

Below is generated by plot.py at 2019-05-29 22:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.30 Mbit/s

95th percentile per-packet one-way delay: 85.482 ms

Loss rate: 0.51%

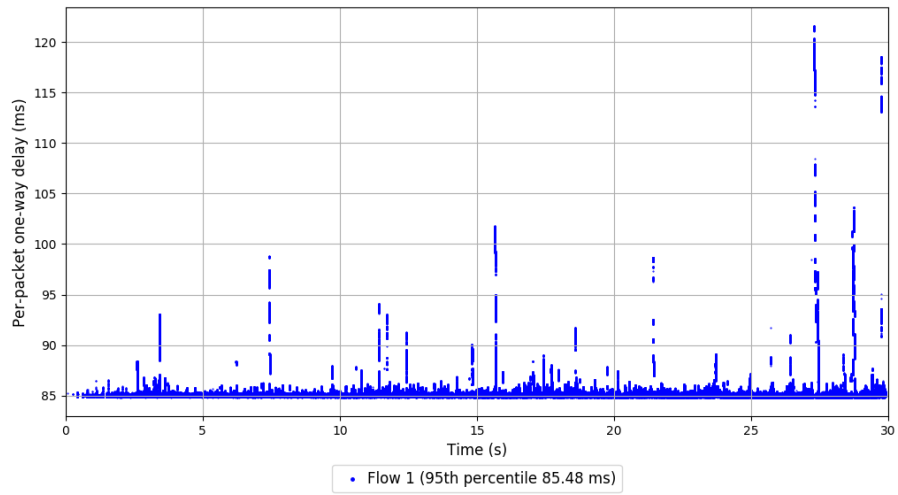
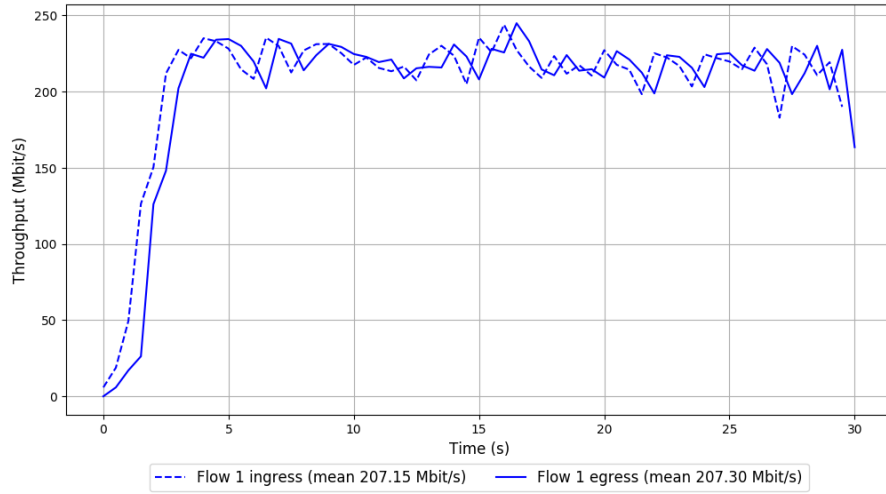
-- Flow 1:

Average throughput: 207.30 Mbit/s

95th percentile per-packet one-way delay: 85.482 ms

Loss rate: 0.51%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-29 19:08:42

End at: 2019-05-29 19:09:12

Local clock offset: 35.344 ms

Remote clock offset: 32.744 ms

Below is generated by plot.py at 2019-05-29 22:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.31 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 0.58%

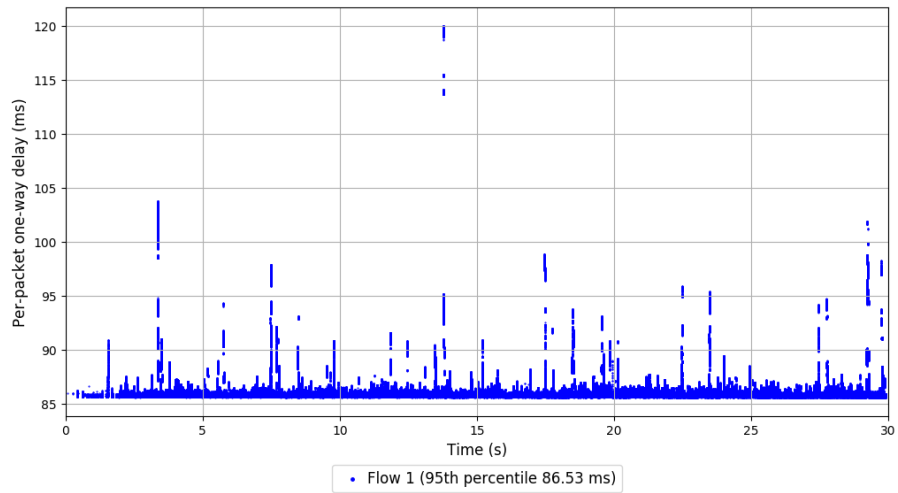
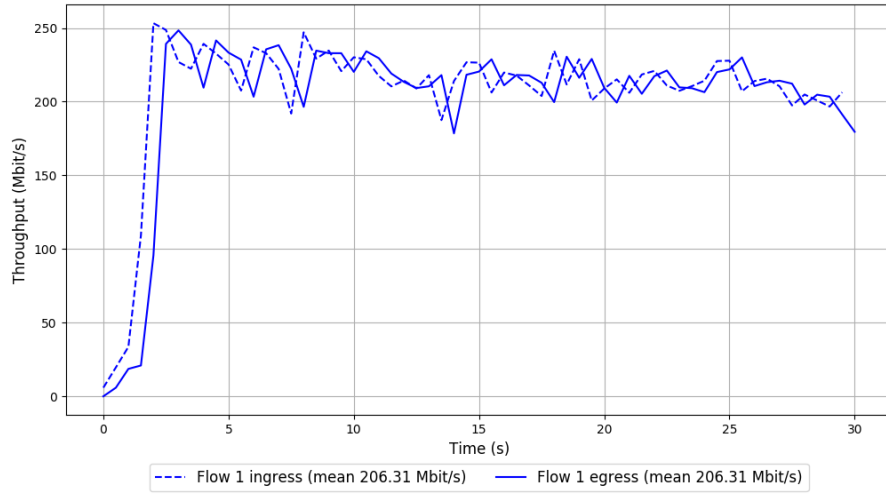
-- Flow 1:

Average throughput: 206.31 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 0.58%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-05-29 19:39:37

End at: 2019-05-29 19:40:07

Local clock offset: 9.494 ms

Remote clock offset: 15.587 ms

Below is generated by plot.py at 2019-05-29 22:22:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.52 Mbit/s

95th percentile per-packet one-way delay: 86.886 ms

Loss rate: 0.63%

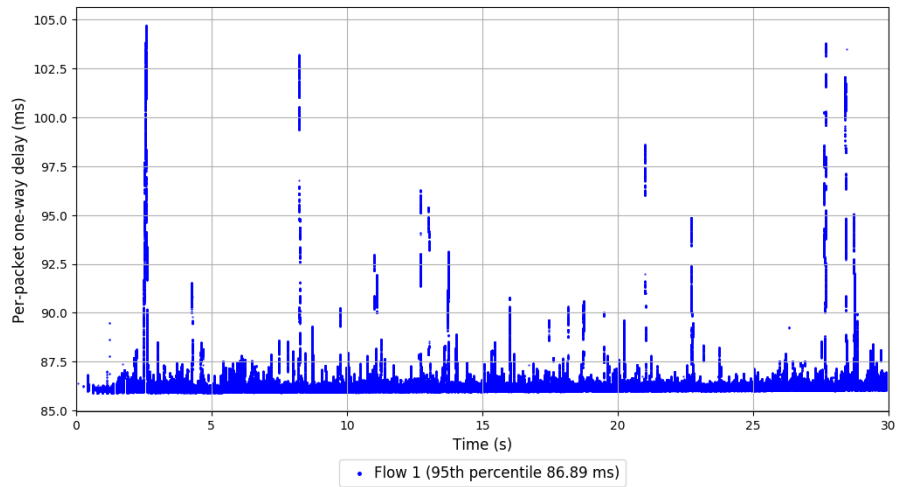
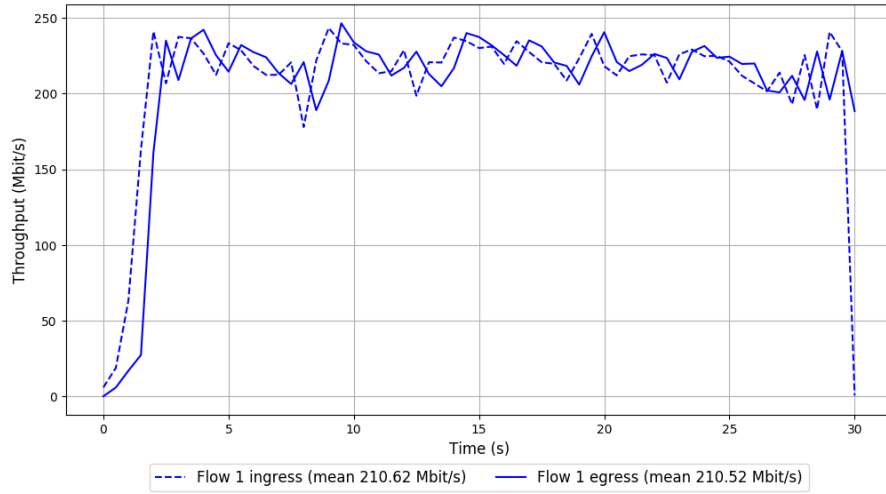
-- Flow 1:

Average throughput: 210.52 Mbit/s

95th percentile per-packet one-way delay: 86.886 ms

Loss rate: 0.63%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-05-29 20:10:38

End at: 2019-05-29 20:11:08

Local clock offset: 4.168 ms

Remote clock offset: 4.332 ms

Below is generated by plot.py at 2019-05-29 22:22:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.73 Mbit/s

95th percentile per-packet one-way delay: 86.991 ms

Loss rate: 0.61%

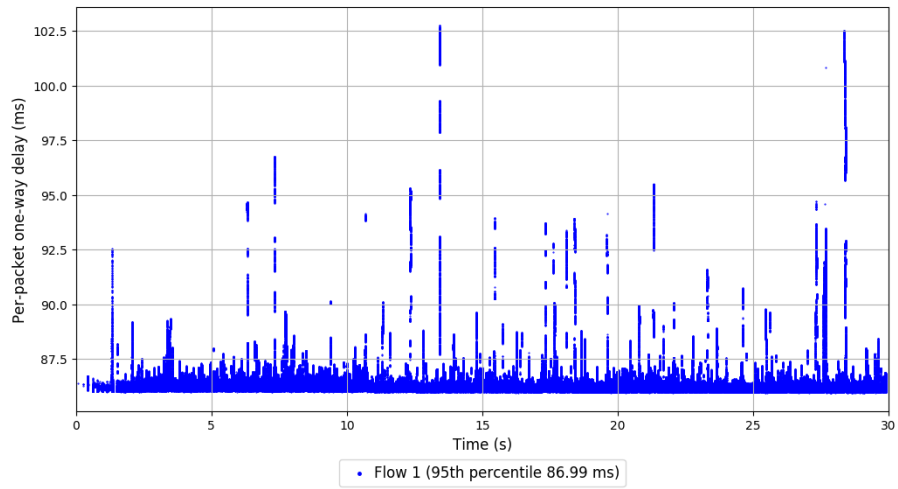
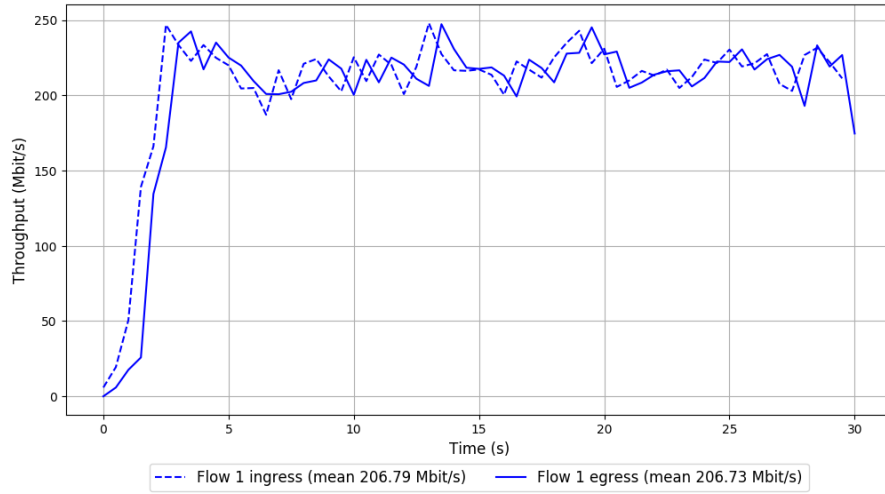
-- Flow 1:

Average throughput: 206.73 Mbit/s

95th percentile per-packet one-way delay: 86.991 ms

Loss rate: 0.61%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-29 20:41:35

End at: 2019-05-29 20:42:05

Local clock offset: 1.34 ms

Remote clock offset: 1.456 ms

Below is generated by plot.py at 2019-05-29 22:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.27 Mbit/s

95th percentile per-packet one-way delay: 86.109 ms

Loss rate: 0.58%

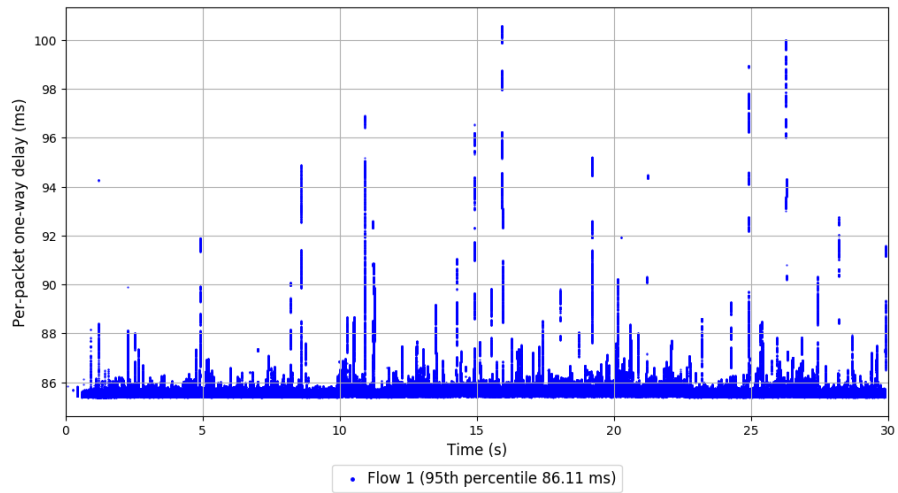
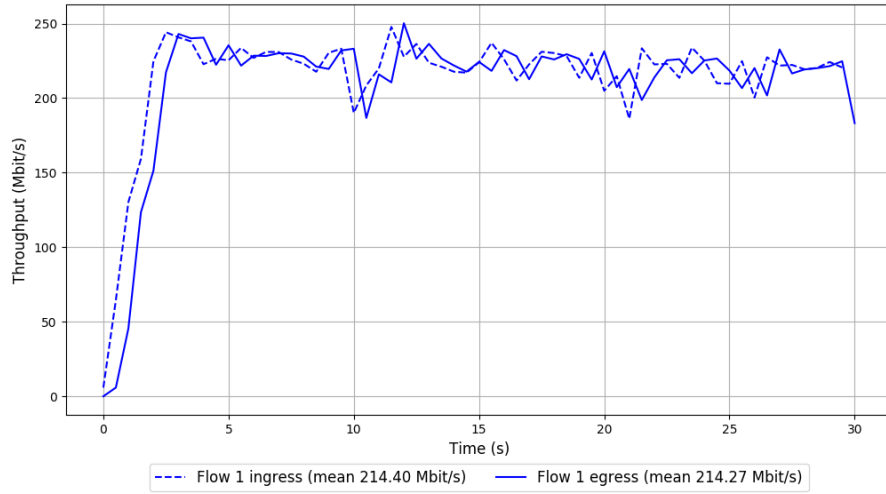
-- Flow 1:

Average throughput: 214.27 Mbit/s

95th percentile per-packet one-way delay: 86.109 ms

Loss rate: 0.58%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-29 18:19:52
End at: 2019-05-29 18:20:22
Local clock offset: 11.085 ms
Remote clock offset: 10.315 ms

Below is generated by plot.py at 2019-05-29 22:22:43

Datalink statistics

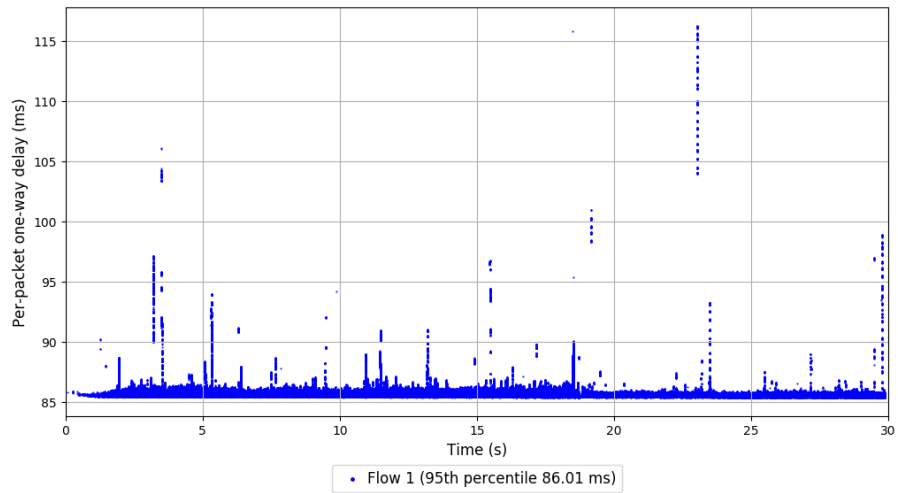
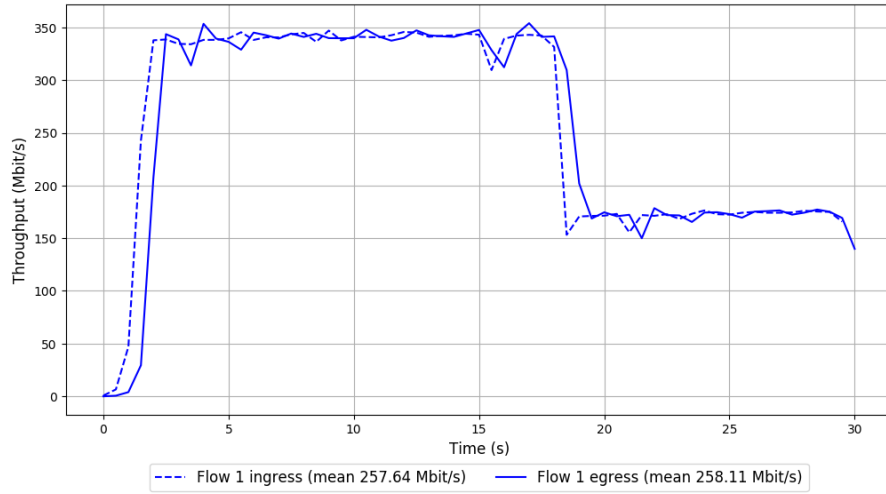
-- Total of 1 flow:

Average throughput: 258.11 Mbit/s
95th percentile per-packet one-way delay: 86.012 ms
Loss rate: 0.39%

-- Flow 1:

Average throughput: 258.11 Mbit/s
95th percentile per-packet one-way delay: 86.012 ms
Loss rate: 0.39%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-29 18:50:50
End at: 2019-05-29 18:51:20
Local clock offset: 21.228 ms
Remote clock offset: 19.743 ms

Below is generated by plot.py at 2019-05-29 22:25:09

Datalink statistics

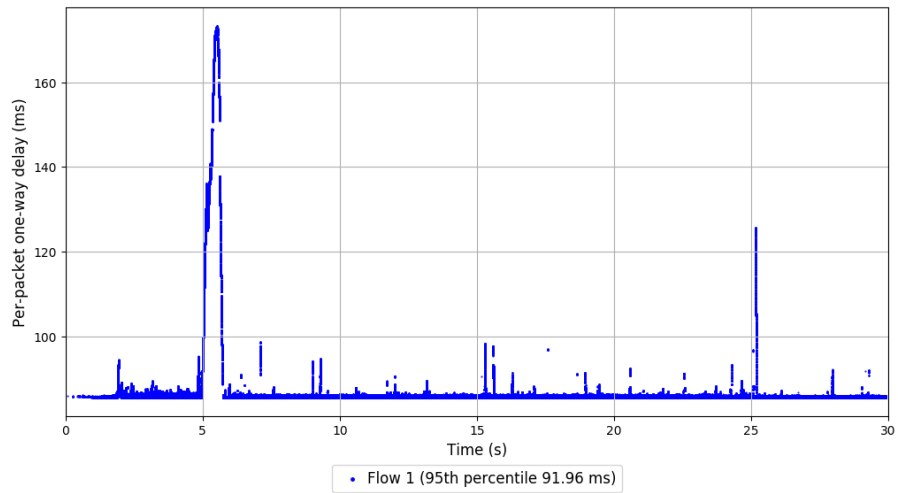
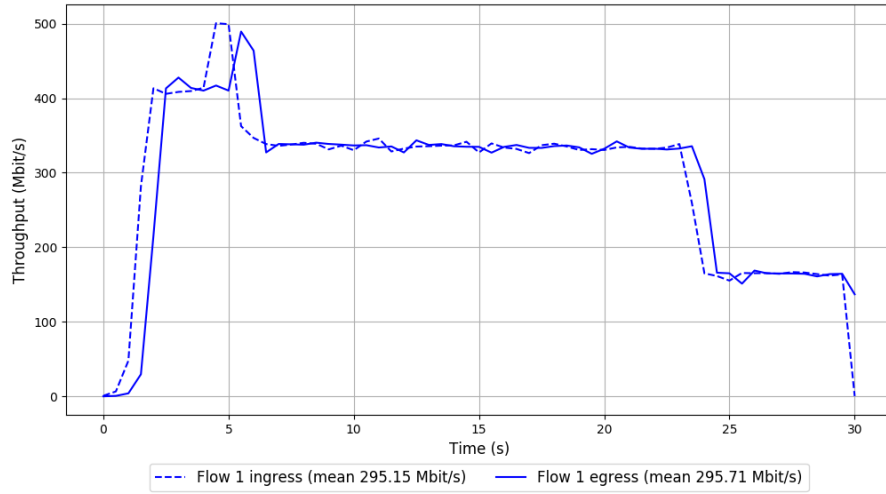
-- Total of 1 flow:

Average throughput: 295.71 Mbit/s
95th percentile per-packet one-way delay: 91.959 ms
Loss rate: 0.39%

-- Flow 1:

Average throughput: 295.71 Mbit/s
95th percentile per-packet one-way delay: 91.959 ms
Loss rate: 0.39%

Run 2: Report of TCP Vegas — Data Link

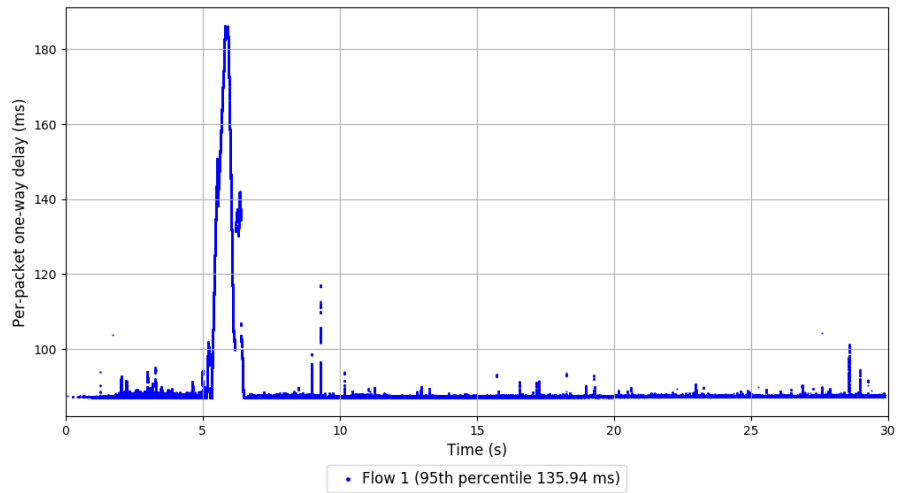
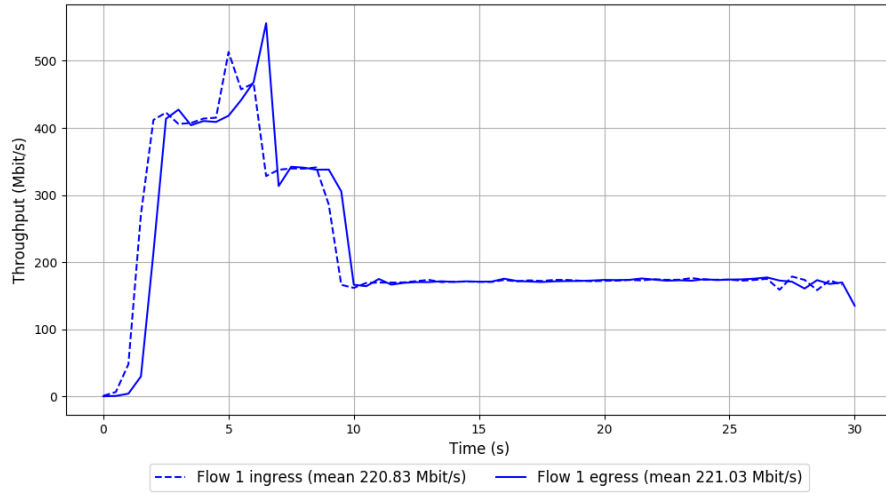


Run 3: Statistics of TCP Vegas

Start at: 2019-05-29 19:21:47
End at: 2019-05-29 19:22:17
Local clock offset: 23.305 ms
Remote clock offset: 22.375 ms

Below is generated by plot.py at 2019-05-29 22:25:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.03 Mbit/s
95th percentile per-packet one-way delay: 135.942 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 221.03 Mbit/s
95th percentile per-packet one-way delay: 135.942 ms
Loss rate: 0.49%

Run 3: Report of TCP Vegas — Data Link

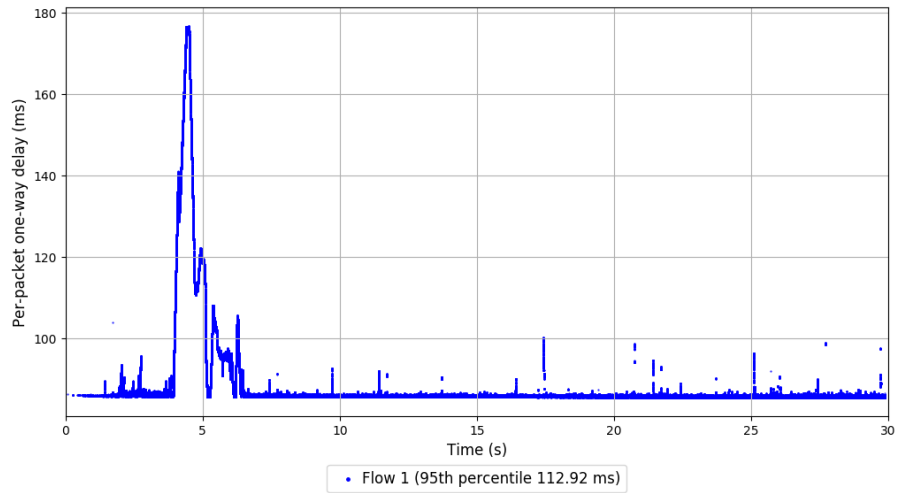
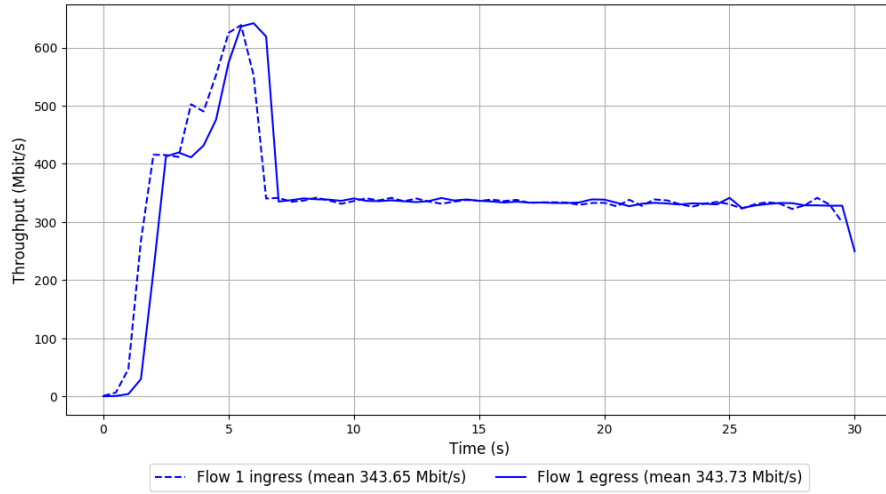


Run 4: Statistics of TCP Vegas

Start at: 2019-05-29 19:52:38
End at: 2019-05-29 19:53:08
Local clock offset: 8.13 ms
Remote clock offset: 13.905 ms

Below is generated by plot.py at 2019-05-29 22:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.73 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 343.73 Mbit/s
95th percentile per-packet one-way delay: 112.923 ms
Loss rate: 0.55%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-29 20:23:37

End at: 2019-05-29 20:24:07

Local clock offset: 4.868 ms

Remote clock offset: 4.678 ms

Below is generated by plot.py at 2019-05-29 22:28:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.54 Mbit/s

95th percentile per-packet one-way delay: 103.689 ms

Loss rate: 0.47%

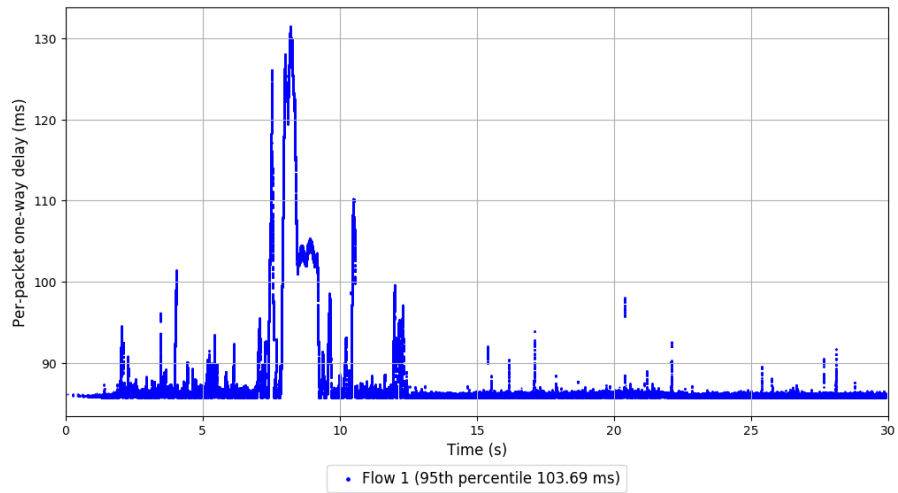
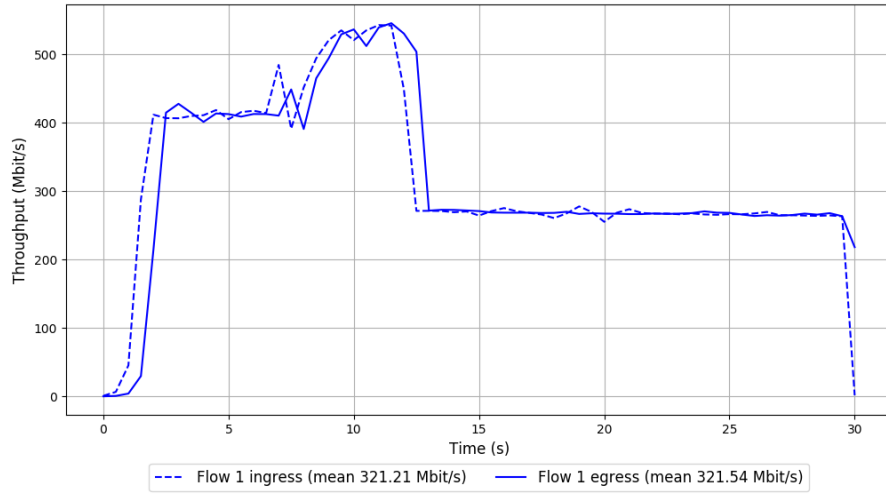
-- Flow 1:

Average throughput: 321.54 Mbit/s

95th percentile per-packet one-way delay: 103.689 ms

Loss rate: 0.47%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-05-29 18:18:30

End at: 2019-05-29 18:19:00

Local clock offset: 9.777 ms

Remote clock offset: 9.0 ms

Below is generated by plot.py at 2019-05-29 22:28:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.34 Mbit/s

95th percentile per-packet one-way delay: 160.535 ms

Loss rate: 0.56%

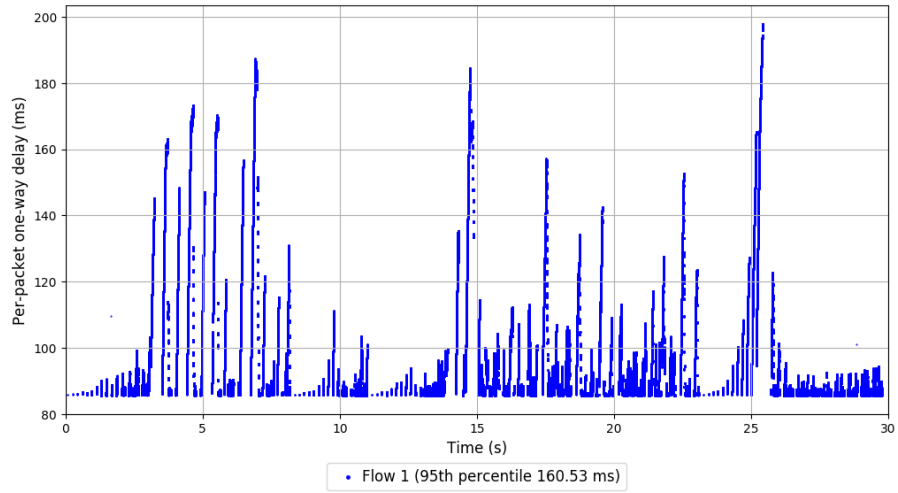
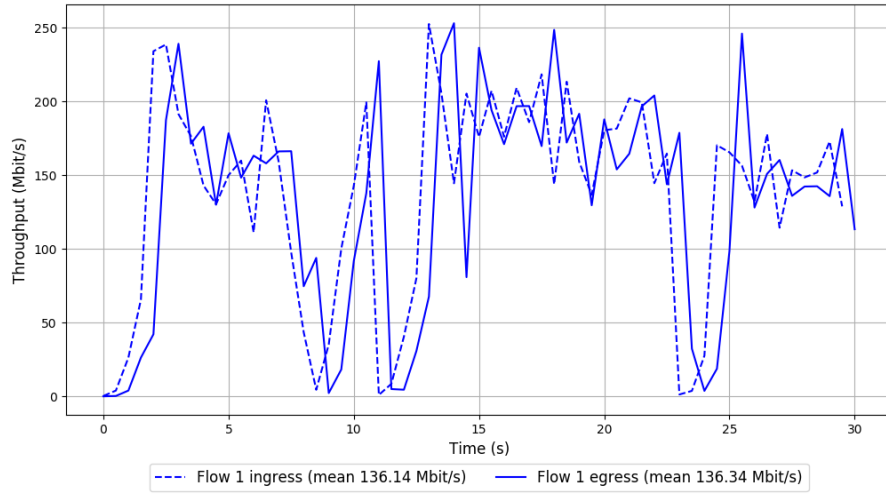
-- Flow 1:

Average throughput: 136.34 Mbit/s

95th percentile per-packet one-way delay: 160.535 ms

Loss rate: 0.56%

Run 1: Report of Verus — Data Link

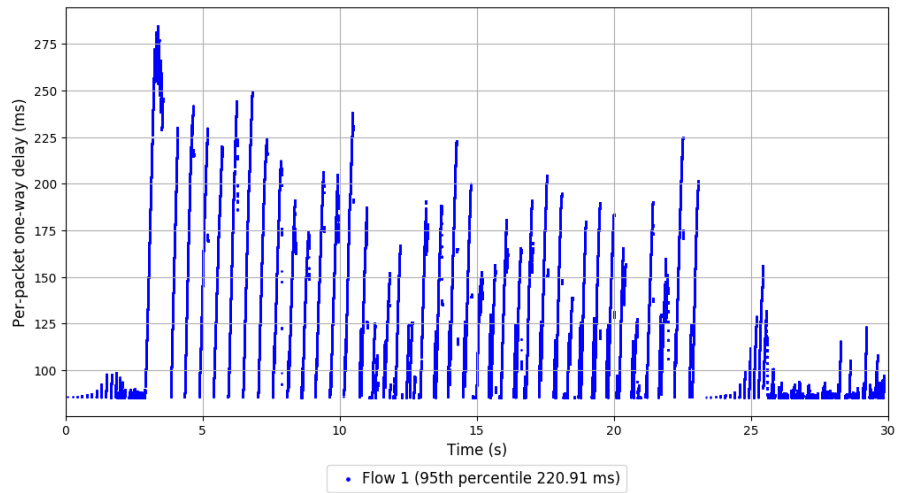
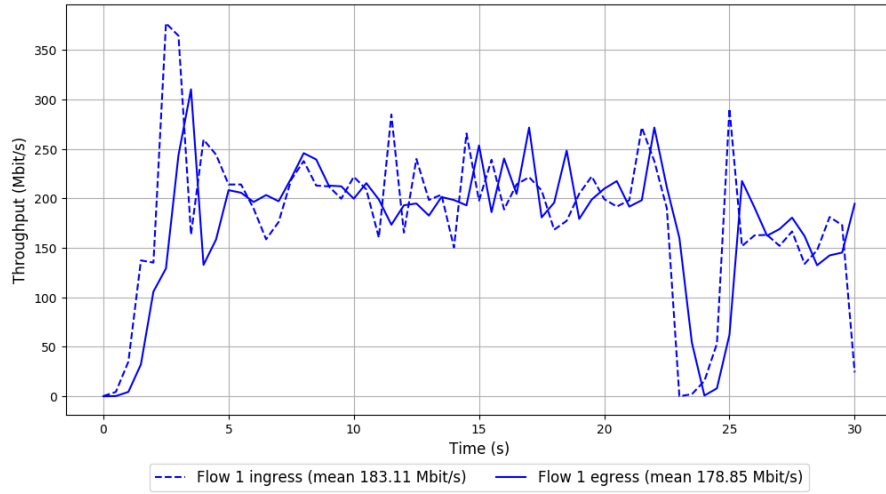


Run 2: Statistics of Verus

Start at: 2019-05-29 18:49:23
End at: 2019-05-29 18:49:53
Local clock offset: 20.795 ms
Remote clock offset: 19.651 ms

Below is generated by plot.py at 2019-05-29 22:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.85 Mbit/s
95th percentile per-packet one-way delay: 220.907 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 178.85 Mbit/s
95th percentile per-packet one-way delay: 220.907 ms
Loss rate: 3.20%

Run 2: Report of Verus — Data Link

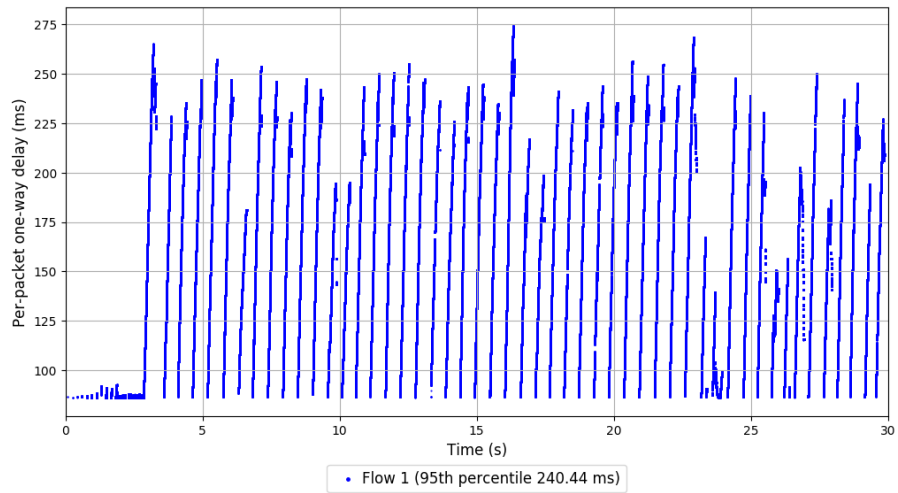
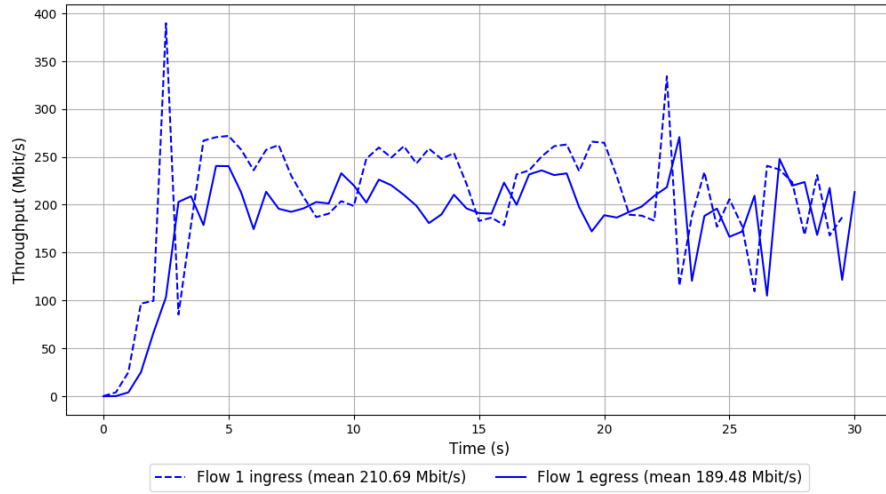


Run 3: Statistics of Verus

Start at: 2019-05-29 19:20:18
End at: 2019-05-29 19:20:48
Local clock offset: 25.924 ms
Remote clock offset: 25.083 ms

Below is generated by plot.py at 2019-05-29 22:29:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.48 Mbit/s
95th percentile per-packet one-way delay: 240.439 ms
Loss rate: 9.75%
-- Flow 1:
Average throughput: 189.48 Mbit/s
95th percentile per-packet one-way delay: 240.439 ms
Loss rate: 9.75%

Run 3: Report of Verus — Data Link

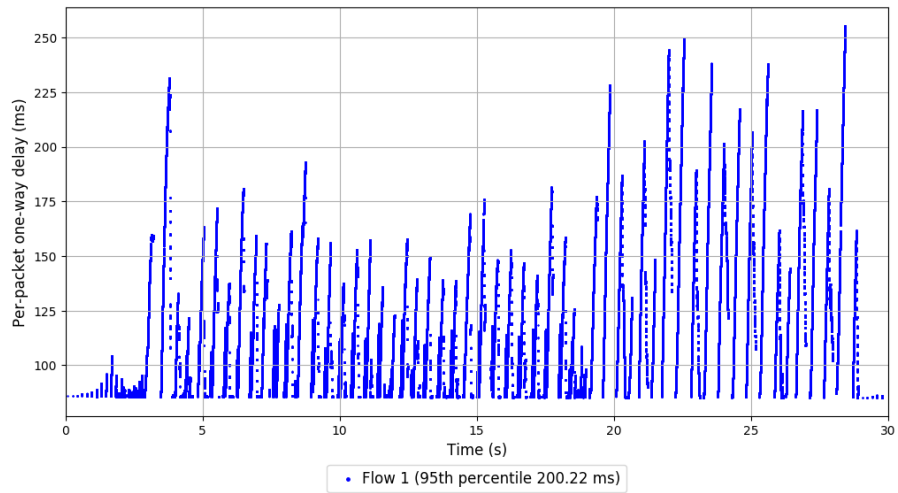
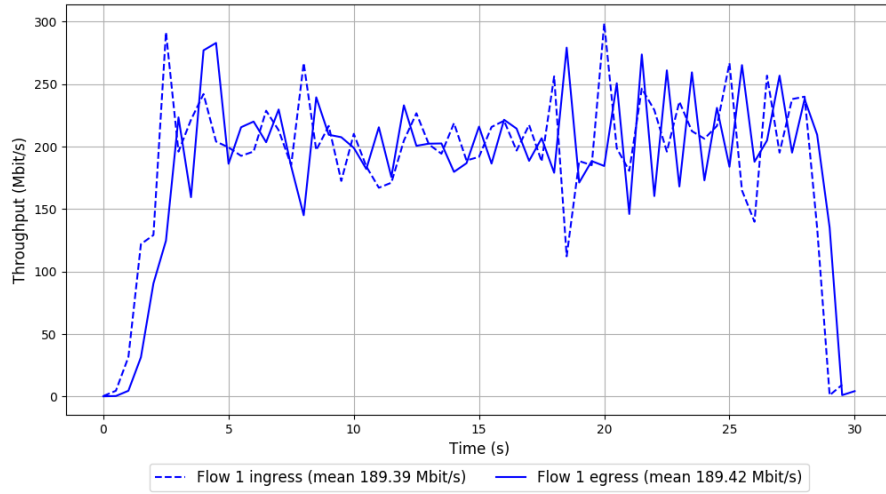


Run 4: Statistics of Verus

Start at: 2019-05-29 19:51:10
End at: 2019-05-29 19:51:40
Local clock offset: 9.388 ms
Remote clock offset: 16.686 ms

Below is generated by plot.py at 2019-05-29 22:29:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.42 Mbit/s
95th percentile per-packet one-way delay: 200.218 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 189.42 Mbit/s
95th percentile per-packet one-way delay: 200.218 ms
Loss rate: 0.58%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-29 20:22:14

End at: 2019-05-29 20:22:44

Local clock offset: 4.268 ms

Remote clock offset: 4.555 ms

Below is generated by plot.py at 2019-05-29 22:30:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.42 Mbit/s

95th percentile per-packet one-way delay: 123.849 ms

Loss rate: 1.09%

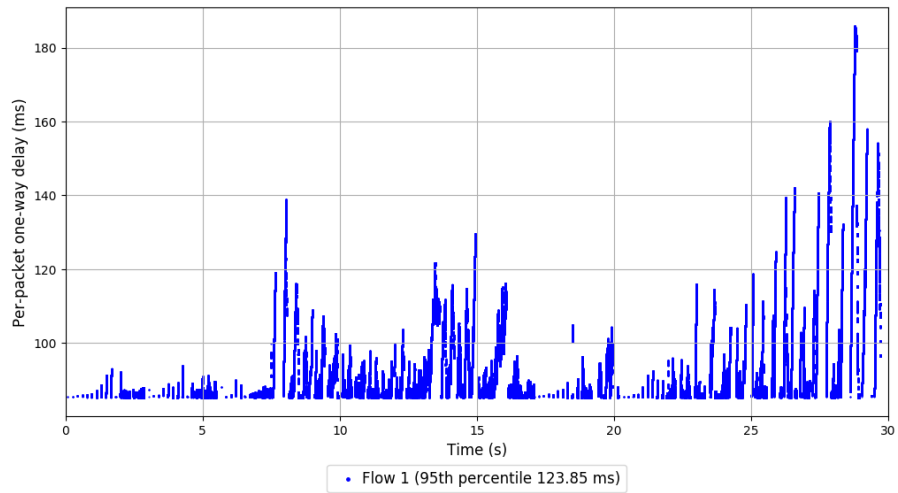
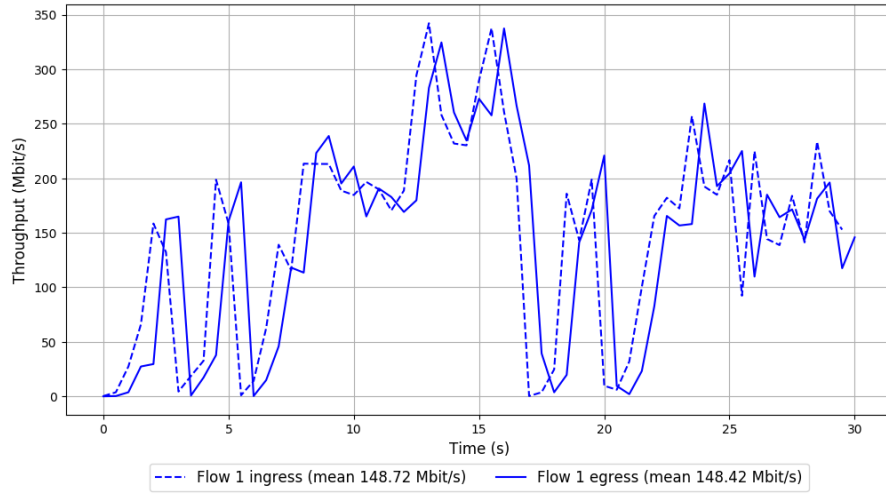
-- Flow 1:

Average throughput: 148.42 Mbit/s

95th percentile per-packet one-way delay: 123.849 ms

Loss rate: 1.09%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-29 18:15:48

End at: 2019-05-29 18:16:18

Local clock offset: 12.689 ms

Remote clock offset: 11.705 ms

Below is generated by plot.py at 2019-05-29 22:31:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.02 Mbit/s

95th percentile per-packet one-way delay: 101.585 ms

Loss rate: 0.76%

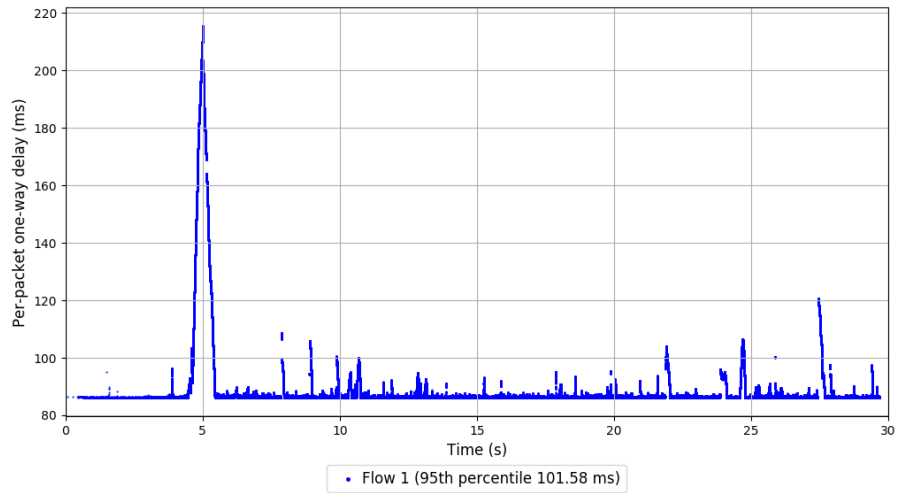
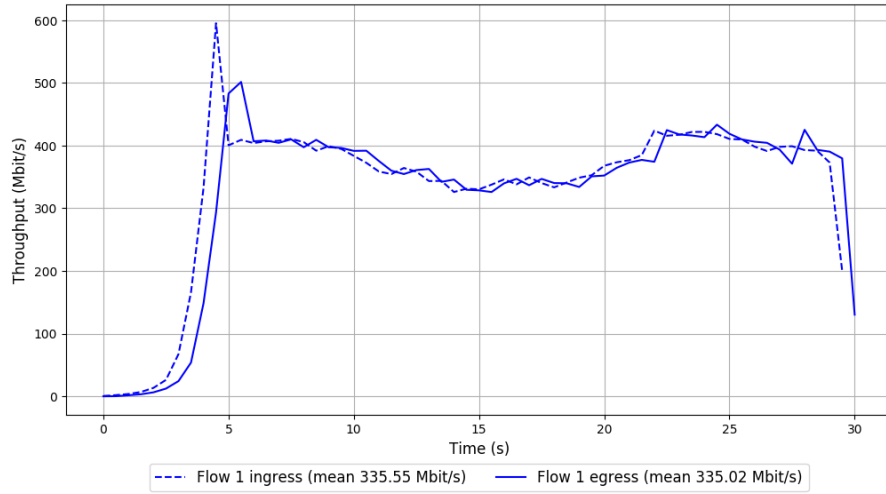
-- Flow 1:

Average throughput: 335.02 Mbit/s

95th percentile per-packet one-way delay: 101.585 ms

Loss rate: 0.76%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-29 18:46:44

End at: 2019-05-29 18:47:15

Local clock offset: 21.666 ms

Remote clock offset: 20.19 ms

Below is generated by plot.py at 2019-05-29 22:31:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.65 Mbit/s

95th percentile per-packet one-way delay: 86.878 ms

Loss rate: 0.74%

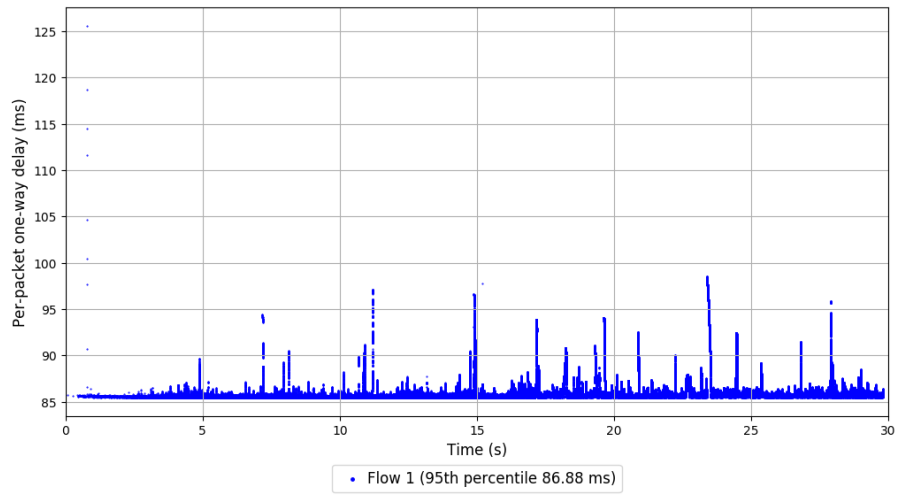
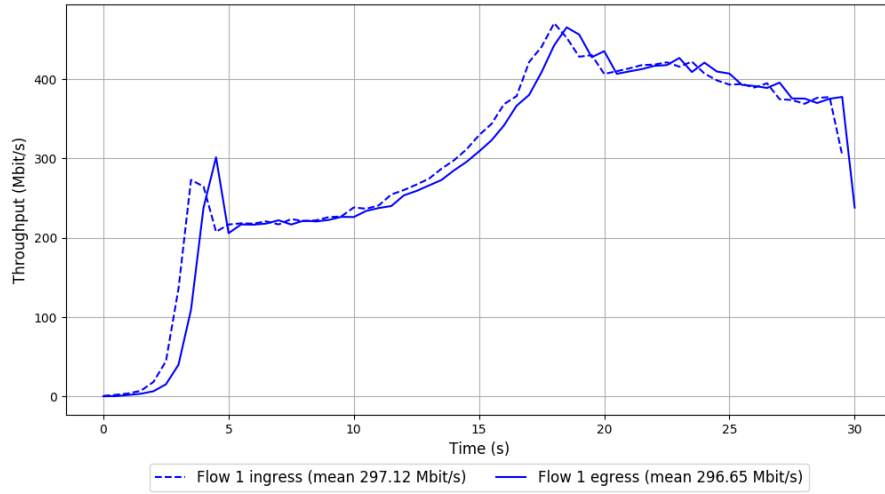
-- Flow 1:

Average throughput: 296.65 Mbit/s

95th percentile per-packet one-way delay: 86.878 ms

Loss rate: 0.74%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-29 19:17:38

End at: 2019-05-29 19:18:08

Local clock offset: 35.445 ms

Remote clock offset: 31.652 ms

Below is generated by plot.py at 2019-05-29 22:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.57 Mbit/s

95th percentile per-packet one-way delay: 100.315 ms

Loss rate: 0.64%

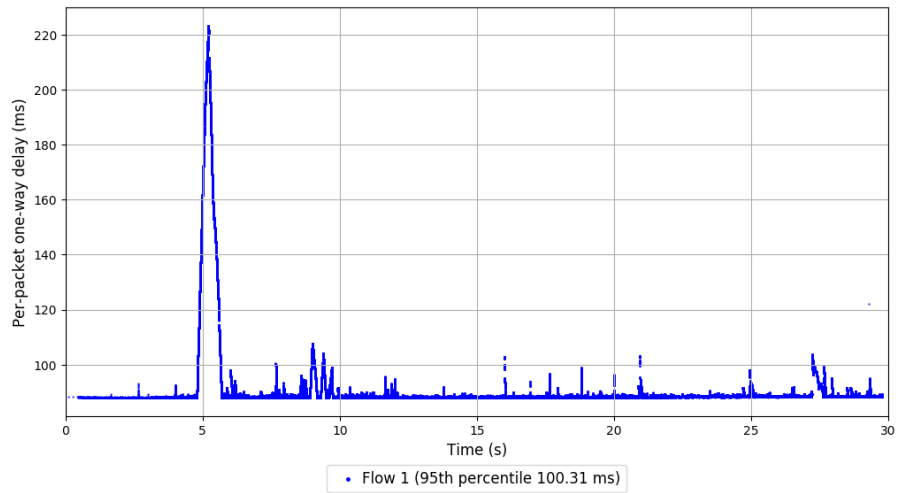
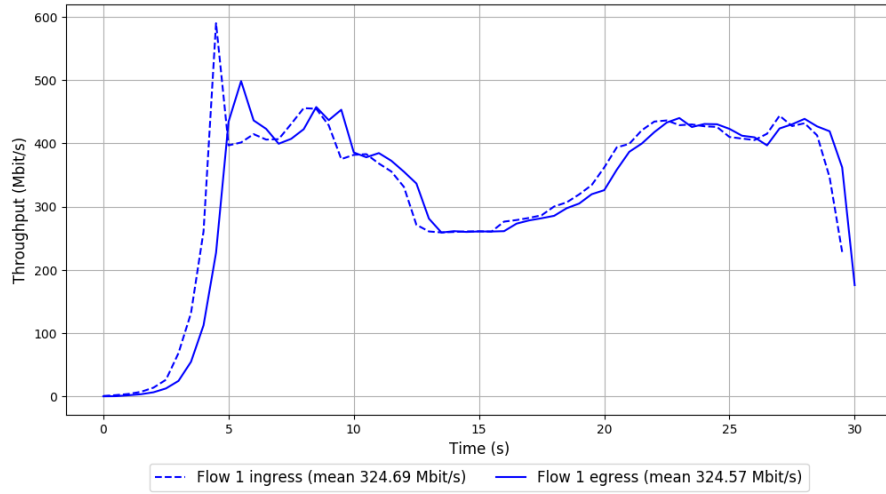
-- Flow 1:

Average throughput: 324.57 Mbit/s

95th percentile per-packet one-way delay: 100.315 ms

Loss rate: 0.64%

Run 3: Report of PCC-Vivace — Data Link

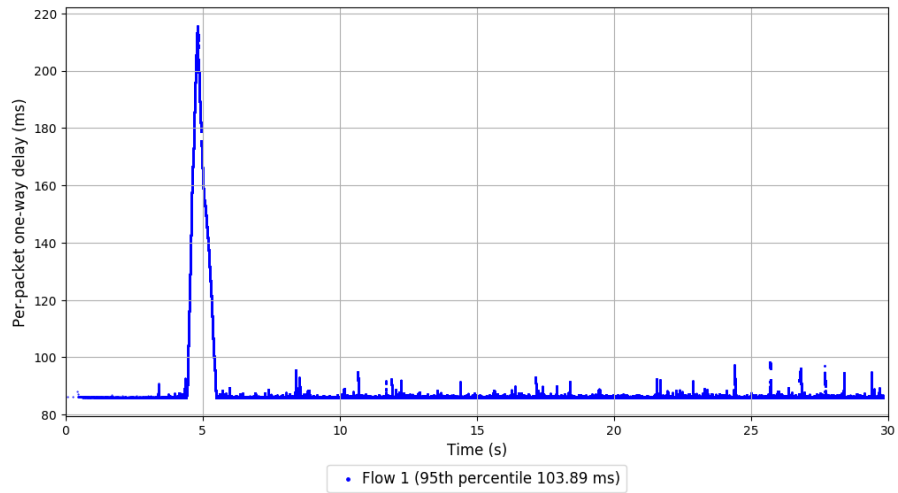
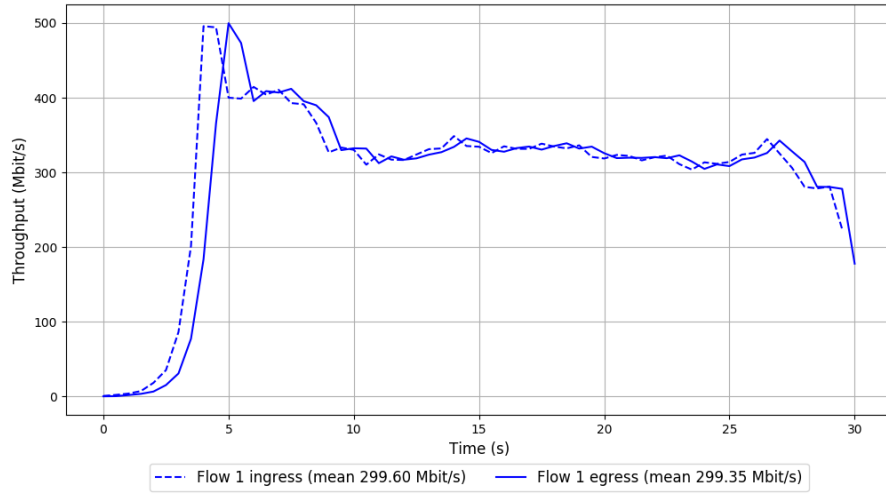


Run 4: Statistics of PCC-Vivace

Start at: 2019-05-29 19:48:31
End at: 2019-05-29 19:49:01
Local clock offset: 10.848 ms
Remote clock offset: 19.006 ms

```
# Below is generated by plot.py at 2019-05-29 22:32:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 299.35 Mbit/s
95th percentile per-packet one-way delay: 103.888 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 299.35 Mbit/s
95th percentile per-packet one-way delay: 103.888 ms
Loss rate: 0.66%
```

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-29 20:19:30

End at: 2019-05-29 20:20:00

Local clock offset: 4.426 ms

Remote clock offset: 4.393 ms

Below is generated by plot.py at 2019-05-29 22:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.09 Mbit/s

95th percentile per-packet one-way delay: 91.899 ms

Loss rate: 0.55%

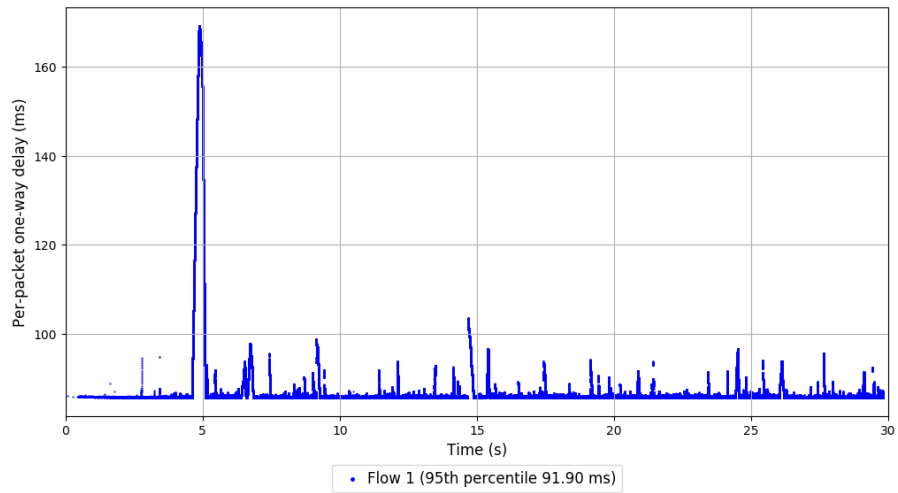
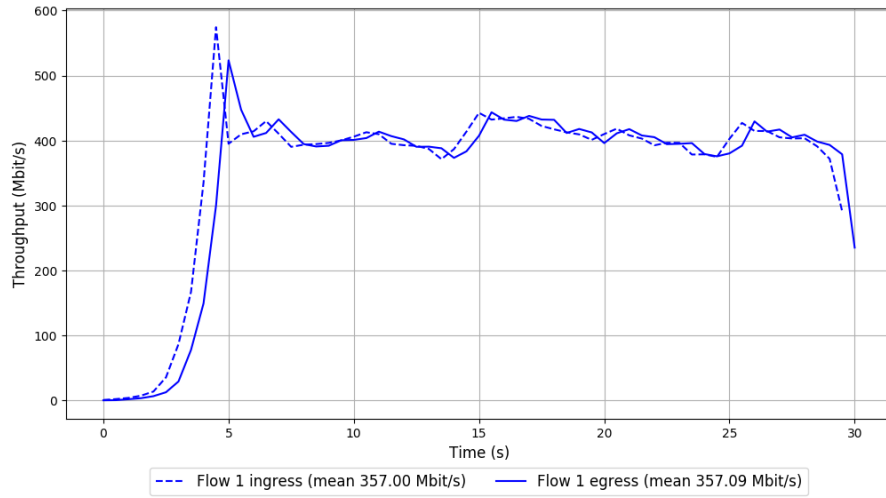
-- Flow 1:

Average throughput: 357.09 Mbit/s

95th percentile per-packet one-way delay: 91.899 ms

Loss rate: 0.55%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-05-29 18:17:21

End at: 2019-05-29 18:17:51

Local clock offset: 9.928 ms

Remote clock offset: 8.784 ms

Below is generated by plot.py at 2019-05-29 22:32:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 86.550 ms

Loss rate: 1.08%

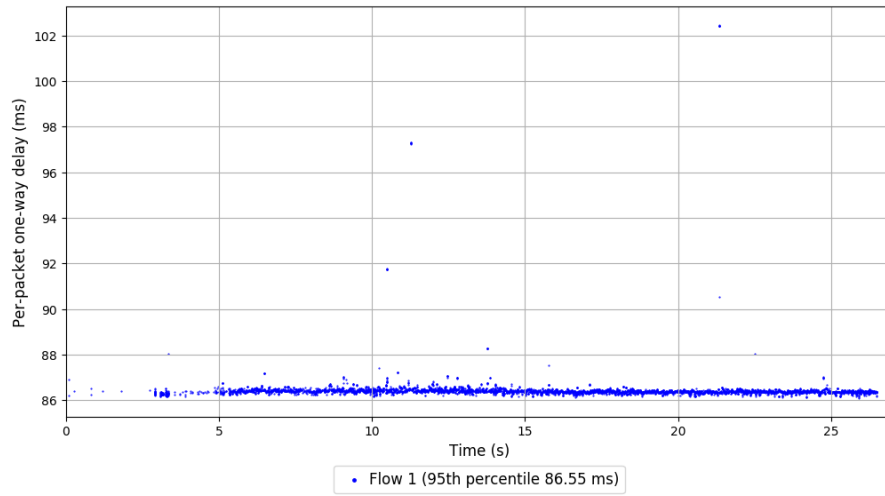
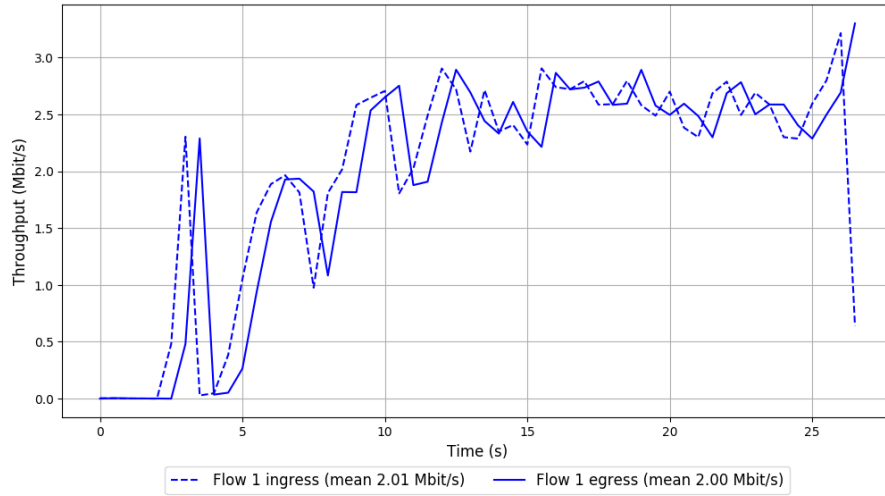
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 86.550 ms

Loss rate: 1.08%

Run 1: Report of WebRTC media — Data Link

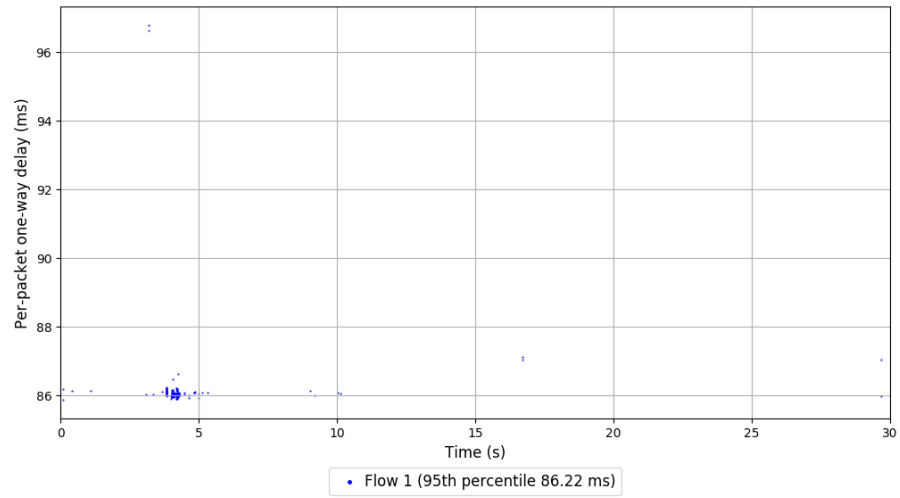
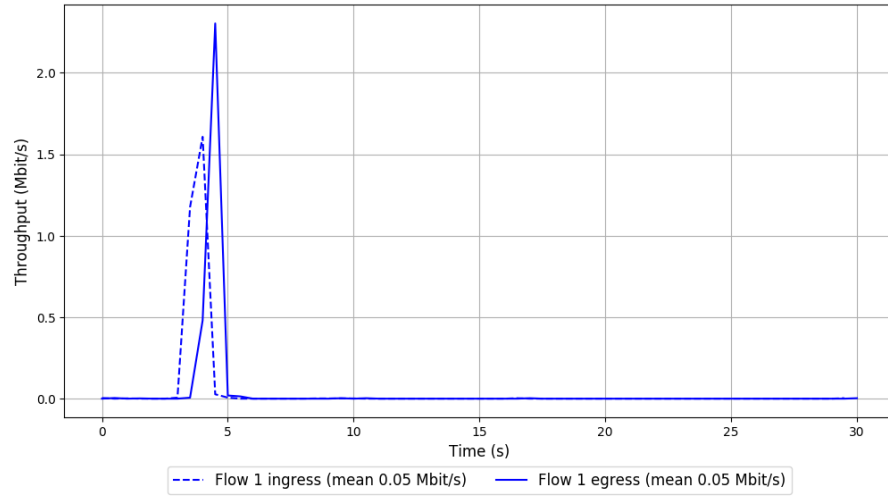


Run 2: Statistics of WebRTC media

Start at: 2019-05-29 18:48:15
End at: 2019-05-29 18:48:45
Local clock offset: 21.421 ms
Remote clock offset: 19.753 ms

```
# Below is generated by plot.py at 2019-05-29 22:32:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.217 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

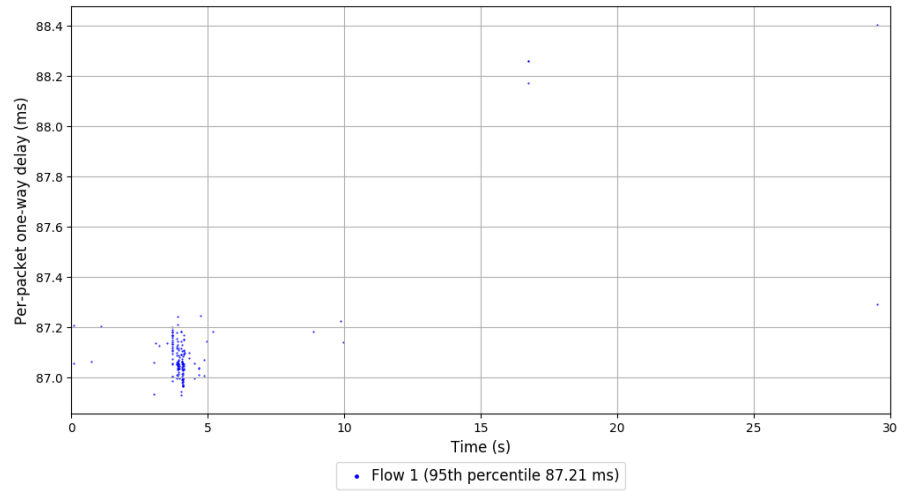
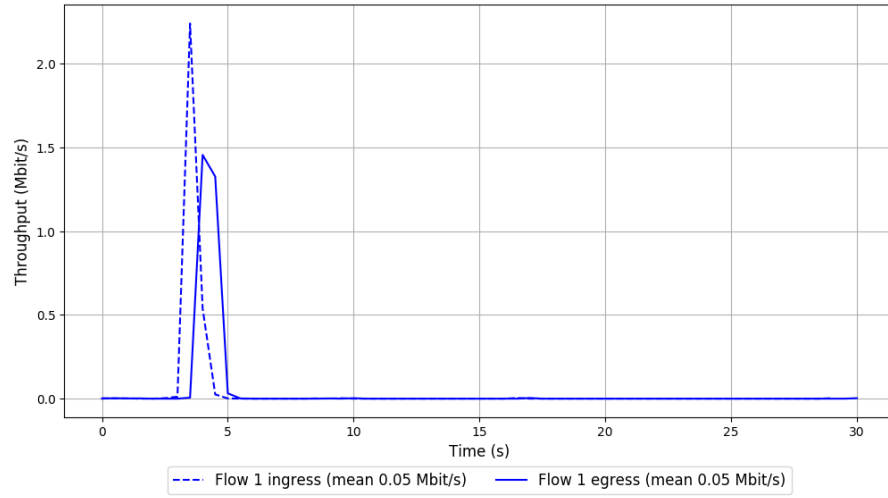


Run 3: Statistics of WebRTC media

Start at: 2019-05-29 19:19:09
End at: 2019-05-29 19:19:39
Local clock offset: 29.492 ms
Remote clock offset: 27.454 ms

Below is generated by plot.py at 2019-05-29 22:32:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.211 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

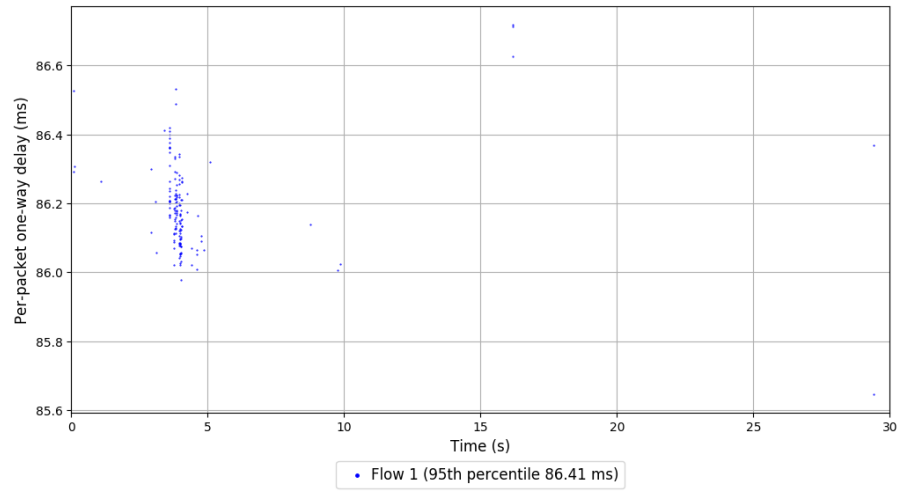
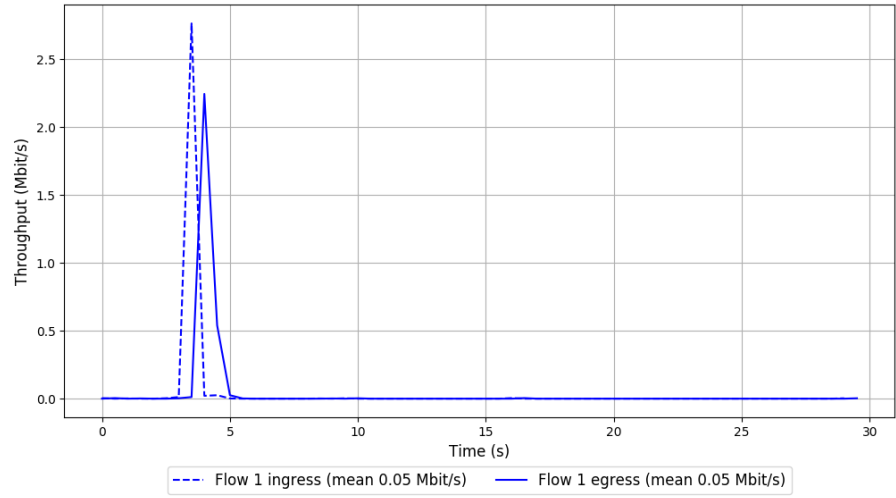


Run 4: Statistics of WebRTC media

Start at: 2019-05-29 19:50:01
End at: 2019-05-29 19:50:31
Local clock offset: 10.787 ms
Remote clock offset: 18.739 ms

Below is generated by plot.py at 2019-05-29 22:32:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.410 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-29 20:21:05

End at: 2019-05-29 20:21:35

Local clock offset: 4.571 ms

Remote clock offset: 4.456 ms

Run 5: Report of WebRTC media — Data Link

