

Pantheon Report

Generated at 2019-05-30 19:01:55 (UTC).

Data path: GCE Tokyo 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:

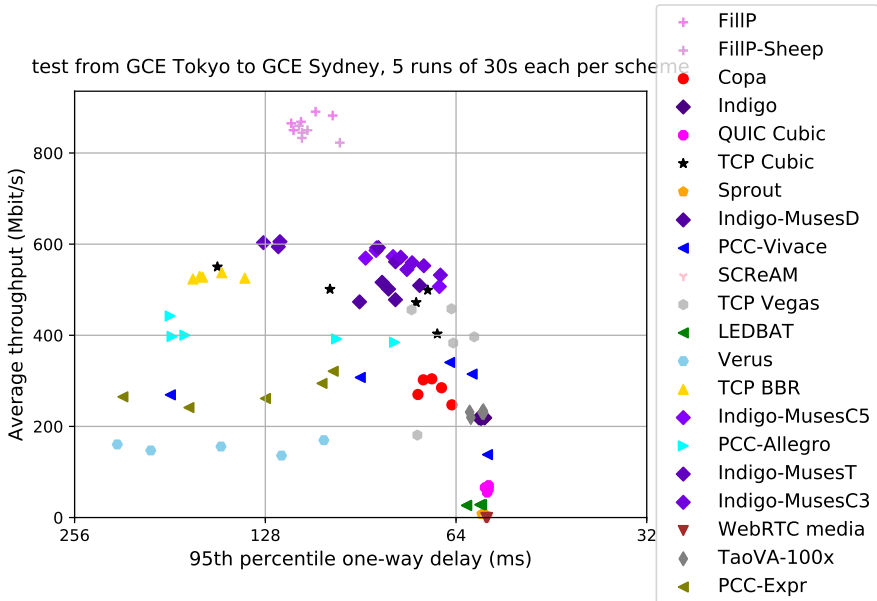
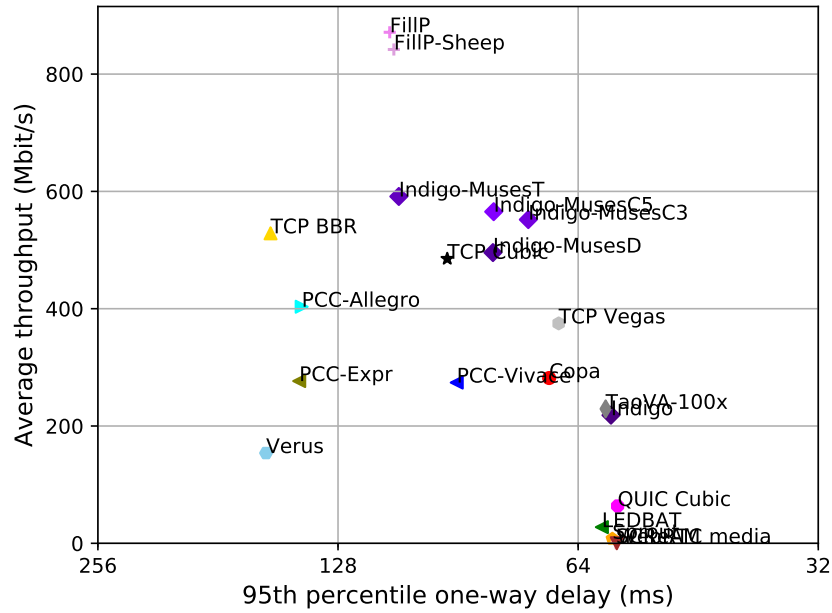
```
Linux 4.15.0-1029-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 Tokyo 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	528.53	155.52	1.05
Copa	5	281.81	69.59	0.41
TCP Cubic	5	485.11	93.39	0.45
FillP	5	871.30	110.25	0.95
FillP-Sheep	5	841.95	108.95	0.71
Indigo	5	218.49	58.22	0.42
Indigo-MusesC3	5	551.91	73.91	0.47
Indigo-MusesC5	5	565.38	81.67	0.49
Indigo-MusesD	5	495.67	81.85	0.50
Indigo-MusesT	5	591.34	107.39	0.52
LEDBAT	5	27.57	59.77	0.77
PCC-Allegro	5	403.35	142.15	1.54
PCC-Expr	5	276.61	143.18	2.42
QUIC Cubic	5	63.67	57.11	0.65
SReAM	5	0.22	57.39	0.38
Sprout	5	7.79	57.98	0.39
TaoVA-100x	5	229.23	59.12	0.41
TCP Vegas	5	374.93	67.70	0.36
Verus	5	153.88	157.55	2.29
PCC-Vivace	5	274.04	90.87	0.75
WebRTC media	4	0.05	57.25	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 14:38:04

End at: 2019-05-30 14:38:34

Local clock offset: 0.246 ms

Remote clock offset: 0.496 ms

Below is generated by plot.py at 2019-05-30 17:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.61 Mbit/s

95th percentile per-packet one-way delay: 160.799 ms

Loss rate: 0.63%

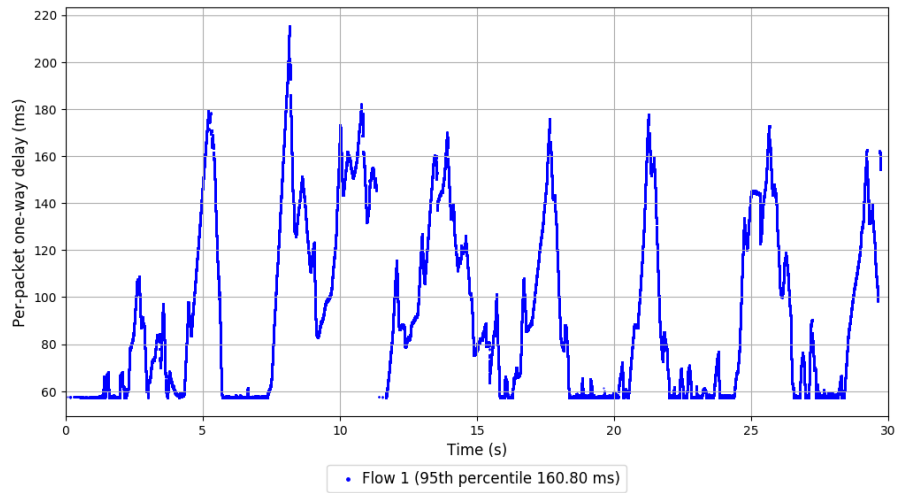
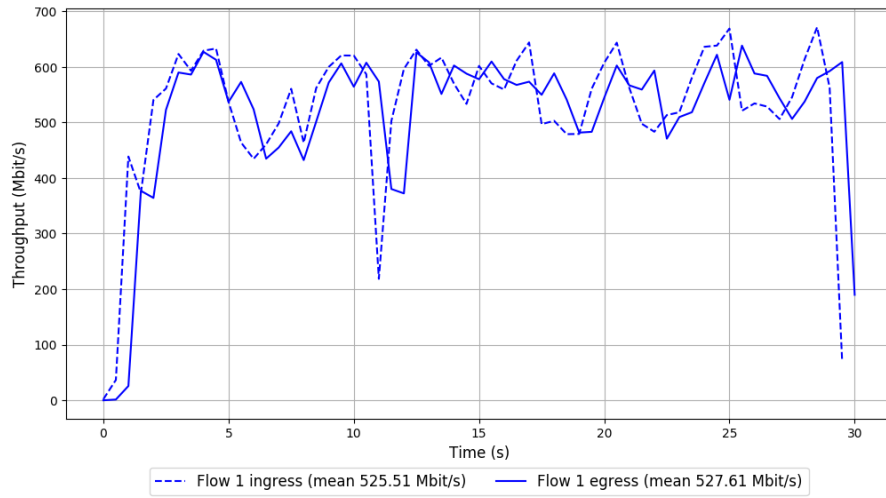
-- Flow 1:

Average throughput: 527.61 Mbit/s

95th percentile per-packet one-way delay: 160.799 ms

Loss rate: 0.63%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-30 15:08:28

End at: 2019-05-30 15:08:58

Local clock offset: -0.169 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-05-30 17:23:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.11 Mbit/s

95th percentile per-packet one-way delay: 162.448 ms

Loss rate: 1.33%

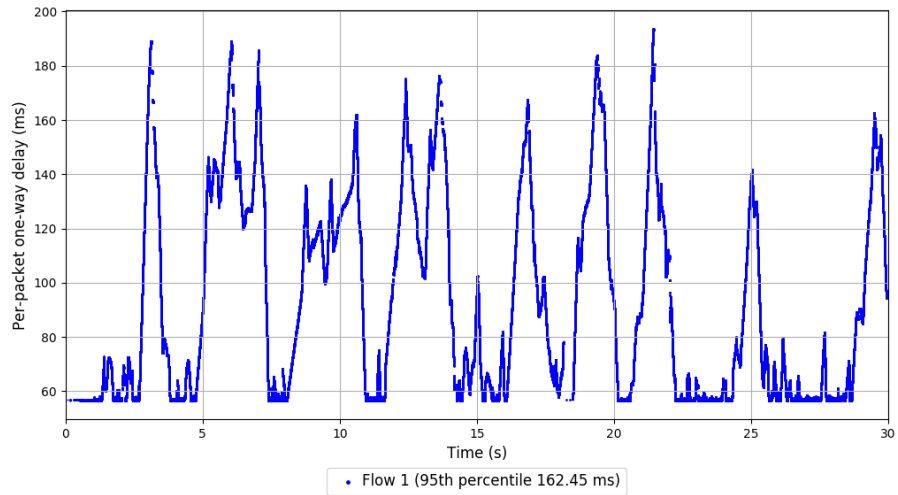
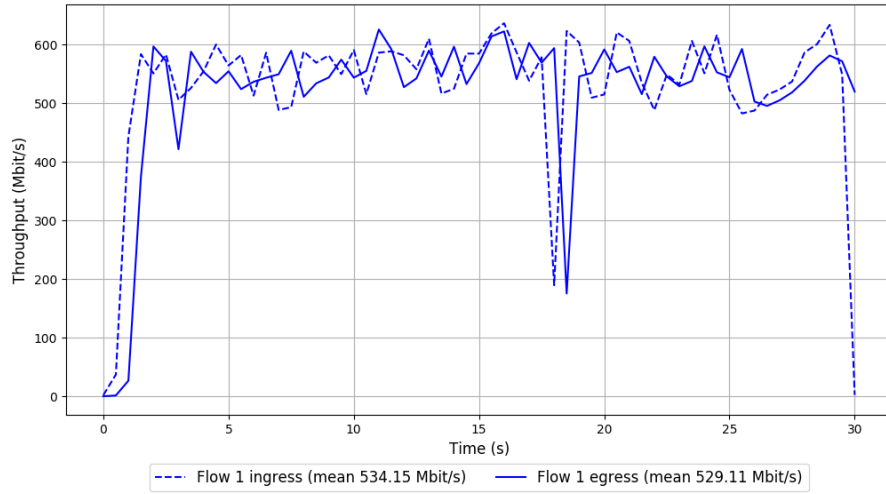
-- Flow 1:

Average throughput: 529.11 Mbit/s

95th percentile per-packet one-way delay: 162.448 ms

Loss rate: 1.33%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-30 15:39:11

End at: 2019-05-30 15:39:41

Local clock offset: -0.146 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-05-30 17:23:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.23 Mbit/s

95th percentile per-packet one-way delay: 137.886 ms

Loss rate: 1.05%

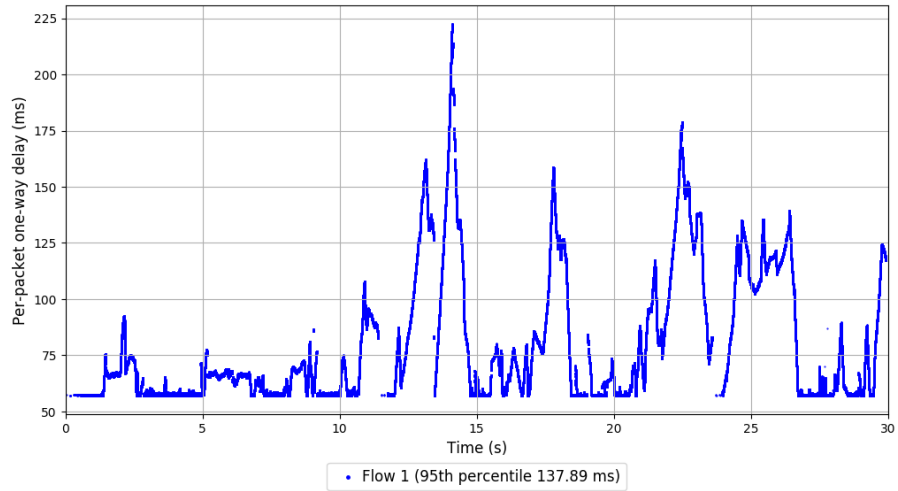
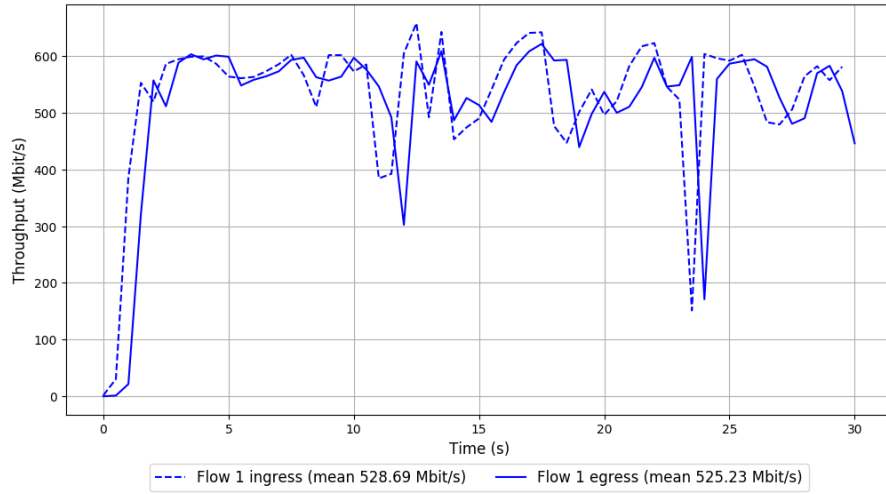
-- Flow 1:

Average throughput: 525.23 Mbit/s

95th percentile per-packet one-way delay: 137.886 ms

Loss rate: 1.05%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-30 16:09:46

End at: 2019-05-30 16:10:16

Local clock offset: -0.217 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-05-30 17:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.30 Mbit/s

95th percentile per-packet one-way delay: 149.946 ms

Loss rate: 1.20%

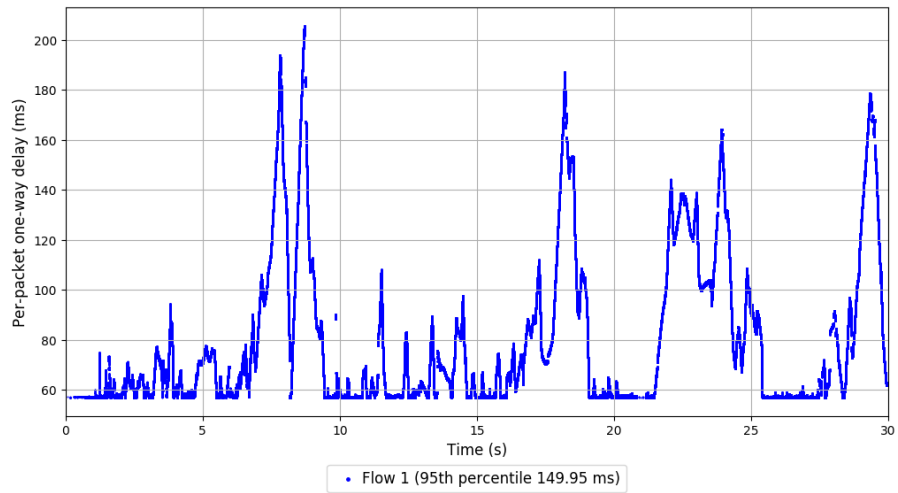
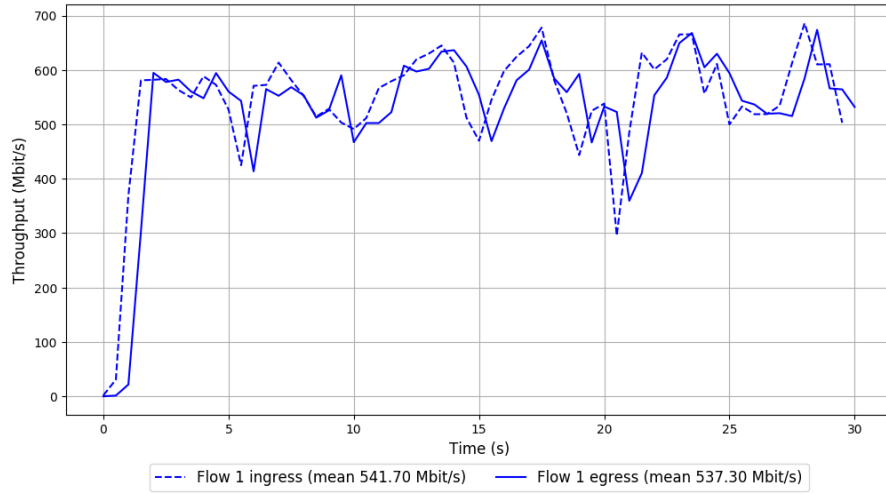
-- Flow 1:

Average throughput: 537.30 Mbit/s

95th percentile per-packet one-way delay: 149.946 ms

Loss rate: 1.20%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-30 16:40:23

End at: 2019-05-30 16:40:53

Local clock offset: 0.365 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-05-30 17:23:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.42 Mbit/s

95th percentile per-packet one-way delay: 166.523 ms

Loss rate: 1.02%

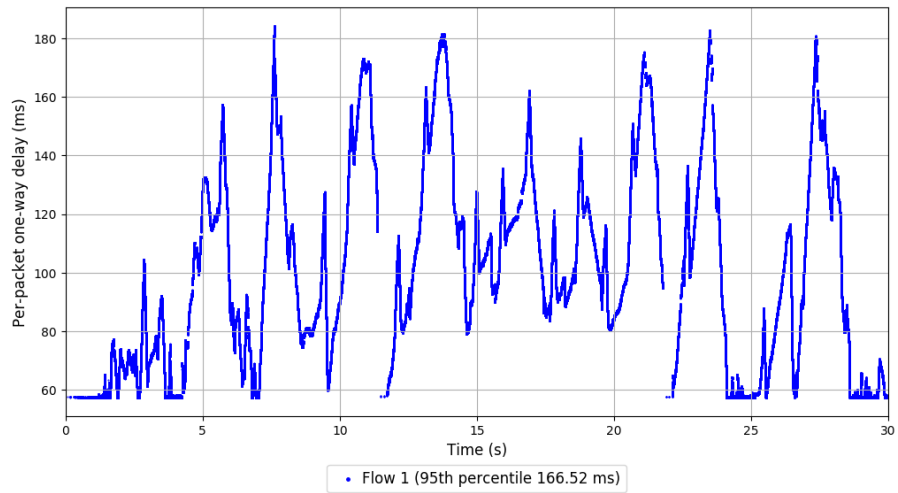
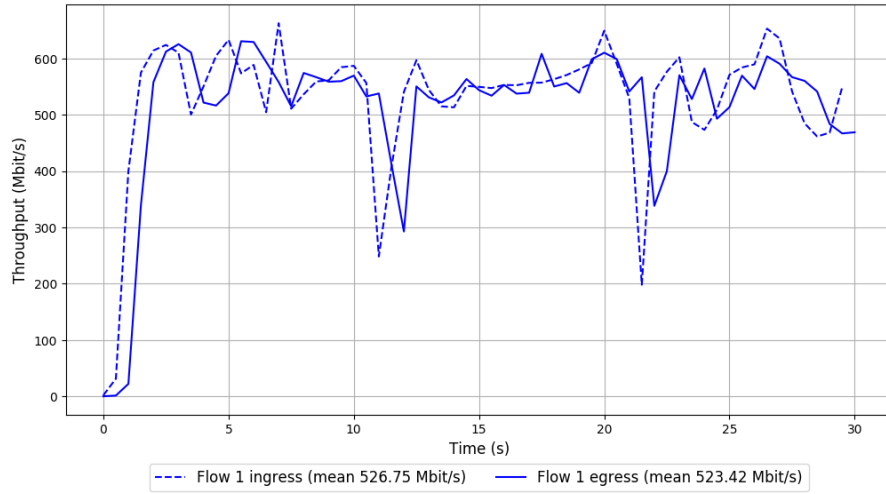
-- Flow 1:

Average throughput: 523.42 Mbit/s

95th percentile per-packet one-way delay: 166.523 ms

Loss rate: 1.02%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-05-30 14:52:41
End at: 2019-05-30 14:53:11
Local clock offset: -0.489 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-05-30 17:23:35

Datalink statistics

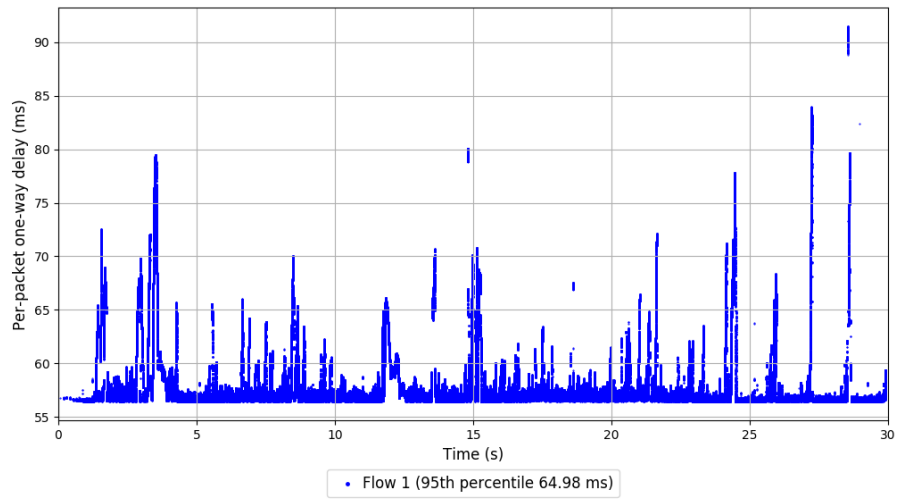
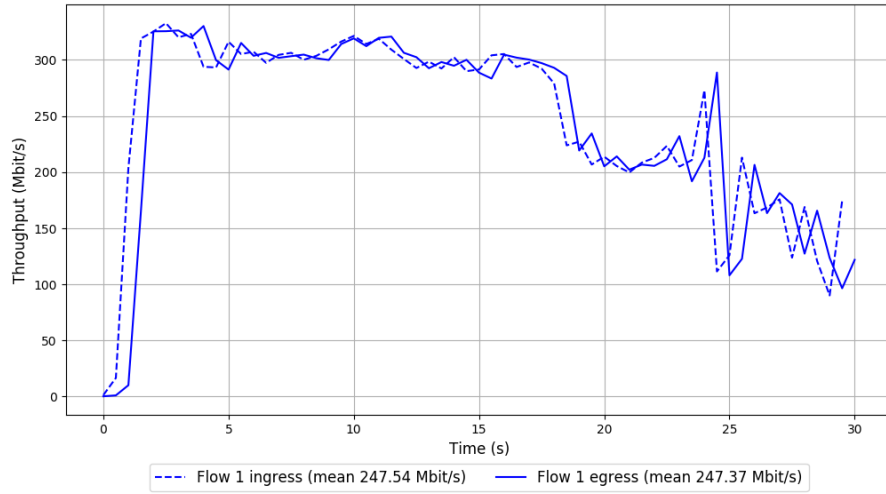
-- Total of 1 flow:

Average throughput: 247.37 Mbit/s
95th percentile per-packet one-way delay: 64.979 ms
Loss rate: 0.45%

-- Flow 1:

Average throughput: 247.37 Mbit/s
95th percentile per-packet one-way delay: 64.979 ms
Loss rate: 0.45%

Run 1: Report of Copa — Data Link

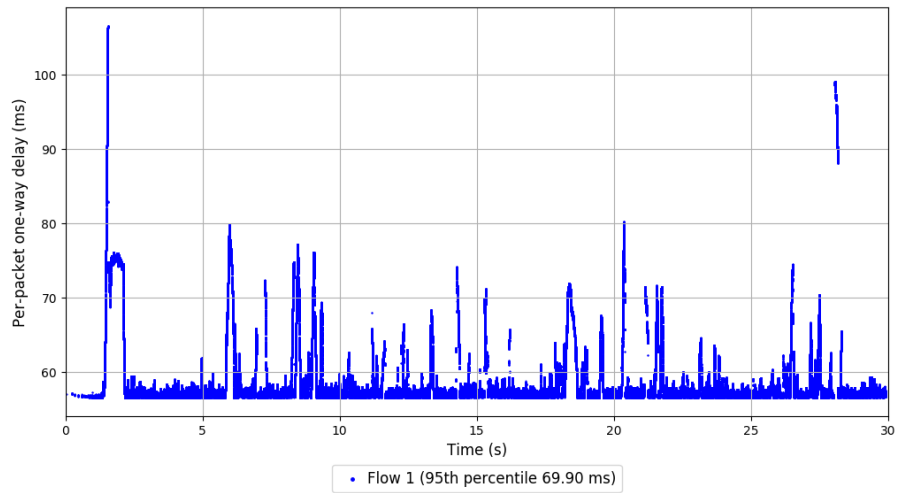
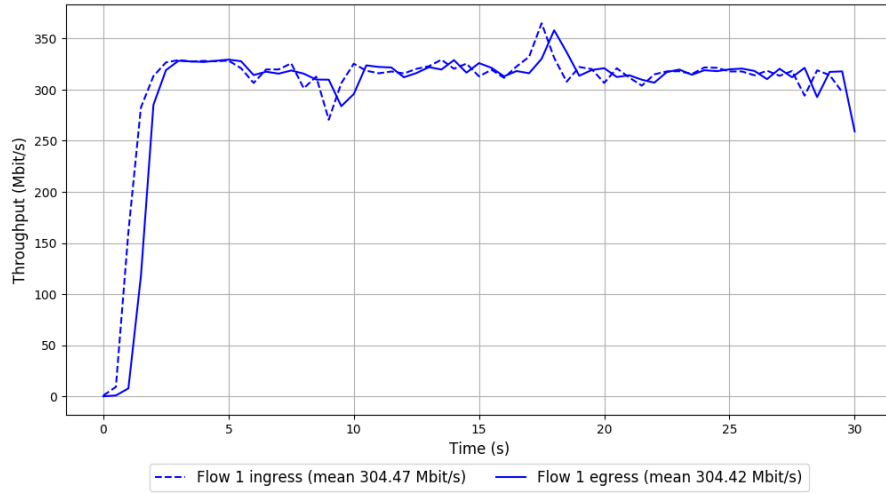


Run 2: Statistics of Copa

Start at: 2019-05-30 15:23:09
End at: 2019-05-30 15:23:39
Local clock offset: -0.231 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-05-30 17:24:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.42 Mbit/s
95th percentile per-packet one-way delay: 69.896 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 304.42 Mbit/s
95th percentile per-packet one-way delay: 69.896 ms
Loss rate: 0.41%

Run 2: Report of Copa — Data Link

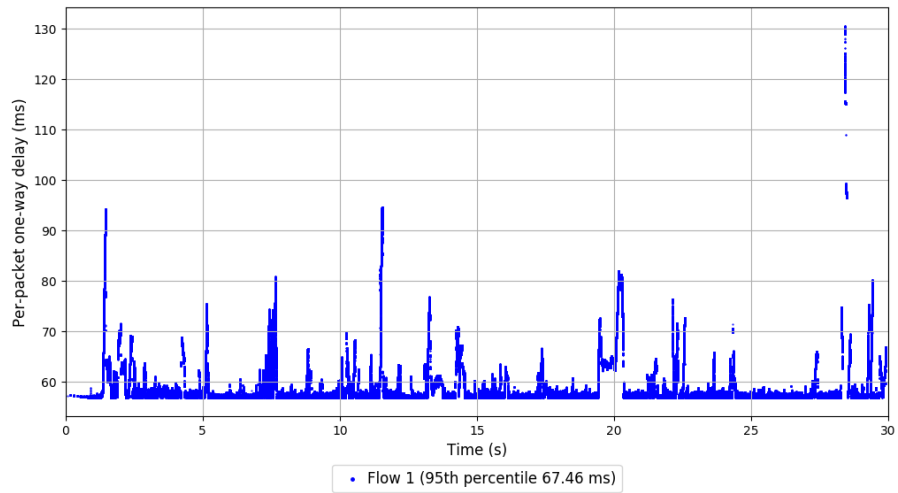
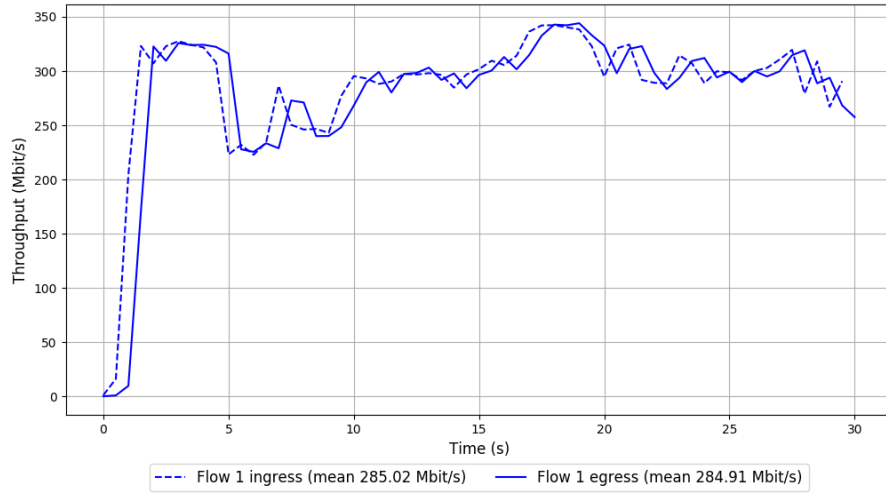


Run 3: Statistics of Copa

Start at: 2019-05-30 15:53:55
End at: 2019-05-30 15:54:25
Local clock offset: -0.128 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-05-30 17:24:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 67.464 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 67.464 ms
Loss rate: 0.42%

Run 3: Report of Copa — Data Link

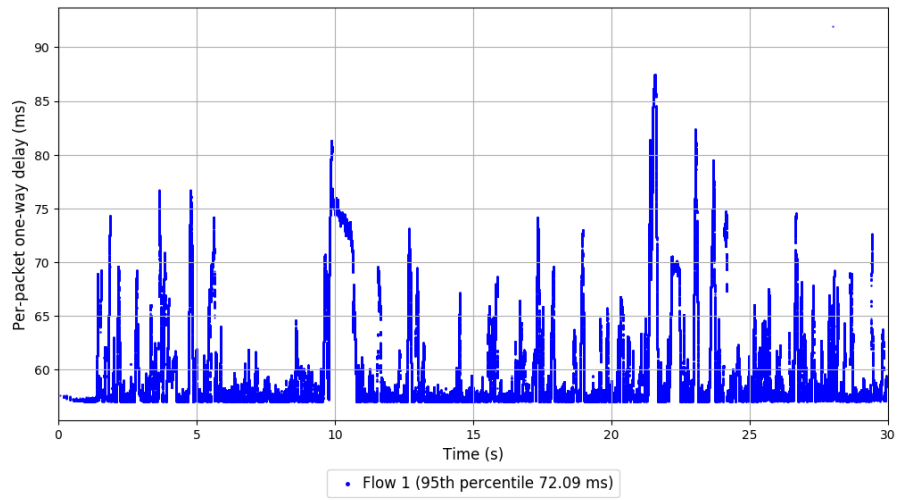
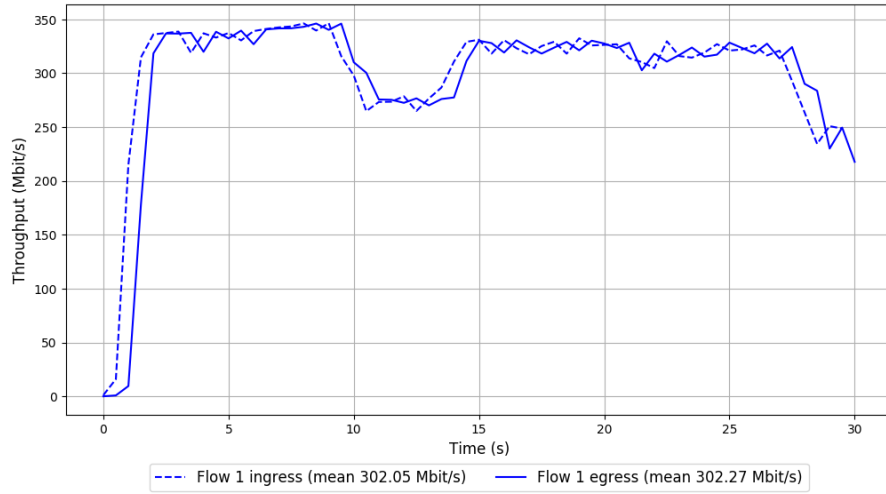


Run 4: Statistics of Copa

Start at: 2019-05-30 16:24:34
End at: 2019-05-30 16:25:04
Local clock offset: -0.103 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-05-30 17:32:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.27 Mbit/s
95th percentile per-packet one-way delay: 72.088 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 302.27 Mbit/s
95th percentile per-packet one-way delay: 72.088 ms
Loss rate: 0.31%

Run 4: Report of Copa — Data Link

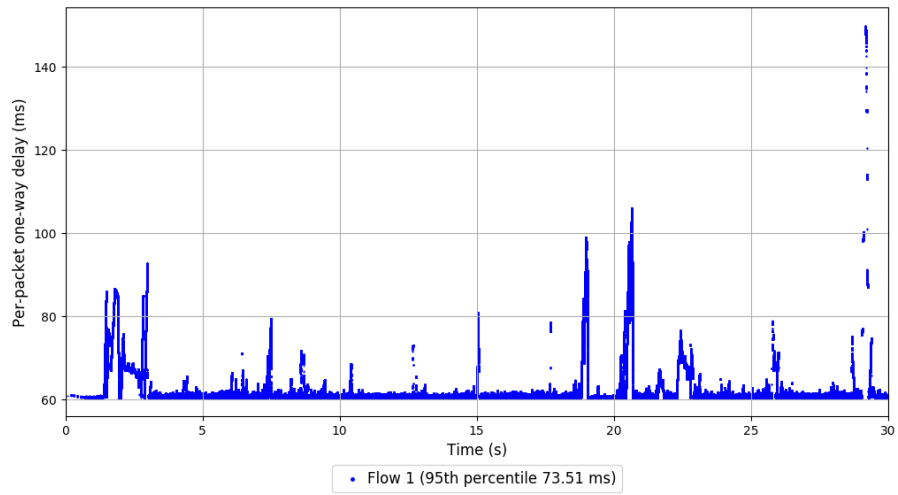
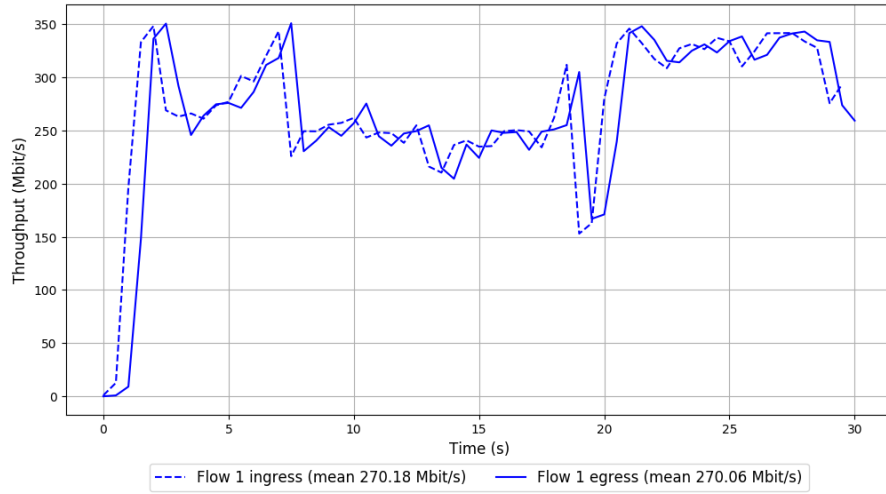


Run 5: Statistics of Copa

Start at: 2019-05-30 16:55:07
End at: 2019-05-30 16:55:37
Local clock offset: -0.246 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2019-05-30 17:32:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.06 Mbit/s
95th percentile per-packet one-way delay: 73.507 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 270.06 Mbit/s
95th percentile per-packet one-way delay: 73.507 ms
Loss rate: 0.44%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 14:33:24

End at: 2019-05-30 14:33:54

Local clock offset: -0.531 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2019-05-30 17:32:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.17 Mbit/s

95th percentile per-packet one-way delay: 70.943 ms

Loss rate: 0.48%

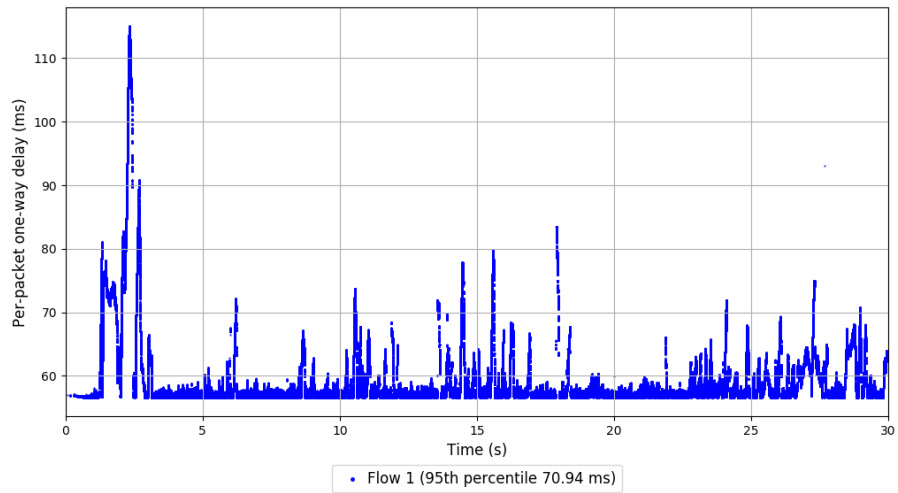
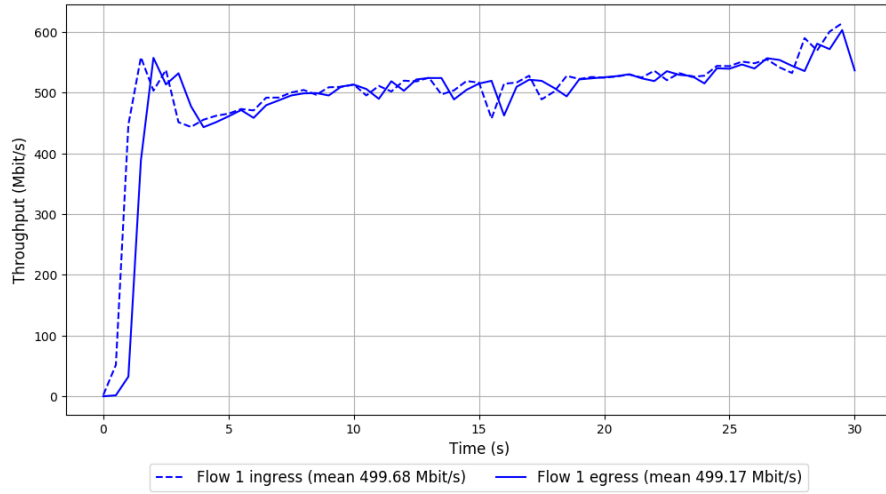
-- Flow 1:

Average throughput: 499.17 Mbit/s

95th percentile per-packet one-way delay: 70.943 ms

Loss rate: 0.48%

Run 1: Report of TCP Cubic — Data Link

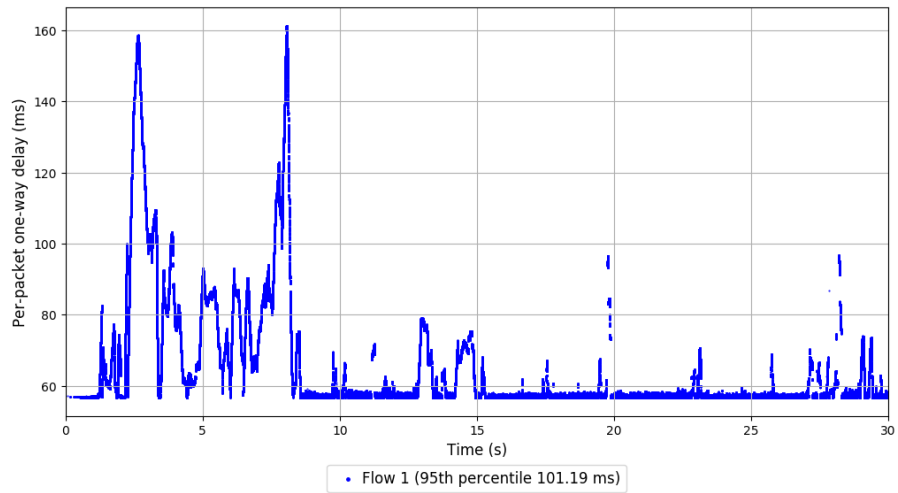
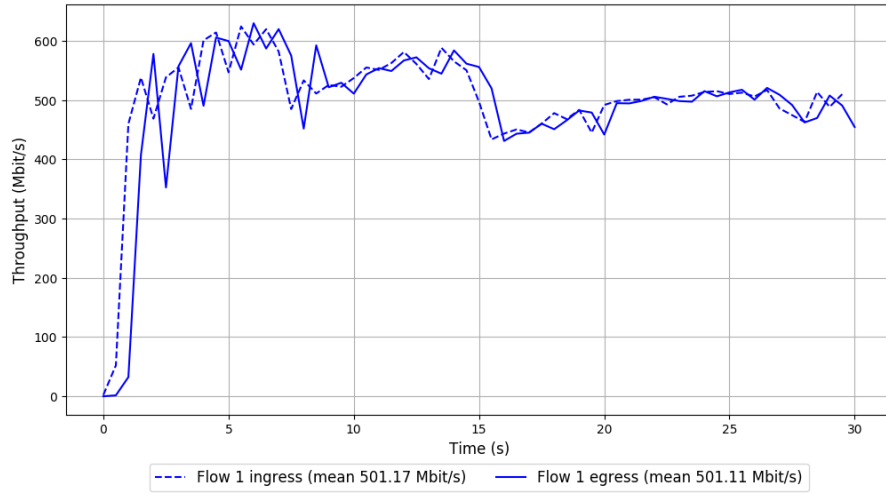


Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 15:03:50
End at: 2019-05-30 15:04:20
Local clock offset: -0.301 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-05-30 17:32:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 501.11 Mbit/s
95th percentile per-packet one-way delay: 101.190 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 501.11 Mbit/s
95th percentile per-packet one-way delay: 101.190 ms
Loss rate: 0.40%

Run 2: Report of TCP Cubic — Data Link

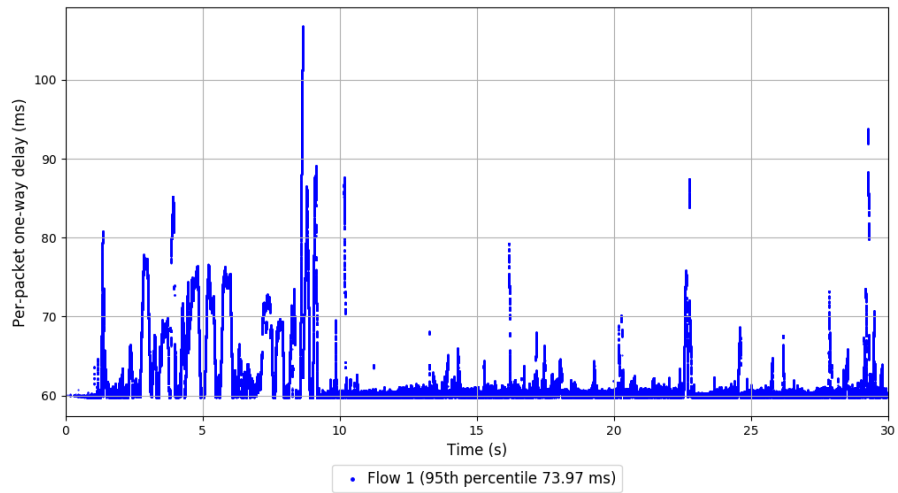
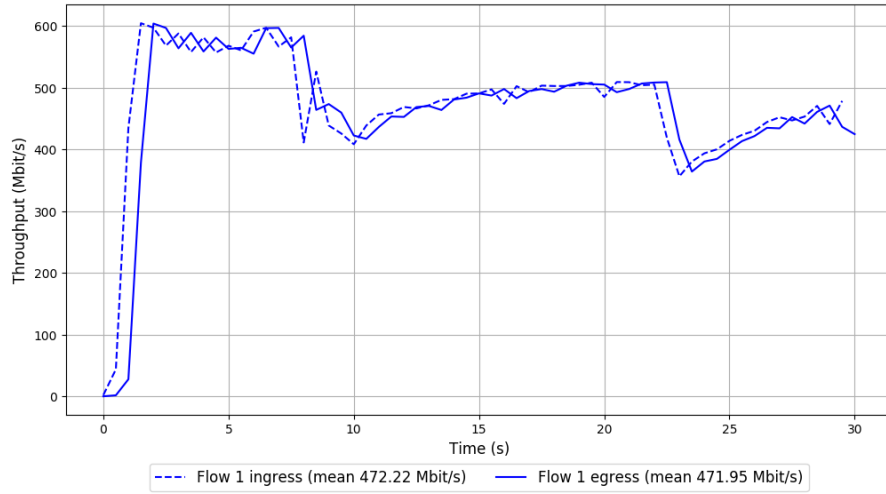


Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 15:34:29
End at: 2019-05-30 15:34:59
Local clock offset: -0.534 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2019-05-30 17:32:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 471.95 Mbit/s
95th percentile per-packet one-way delay: 73.974 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 471.95 Mbit/s
95th percentile per-packet one-way delay: 73.974 ms
Loss rate: 0.45%

Run 3: Report of TCP Cubic — Data Link

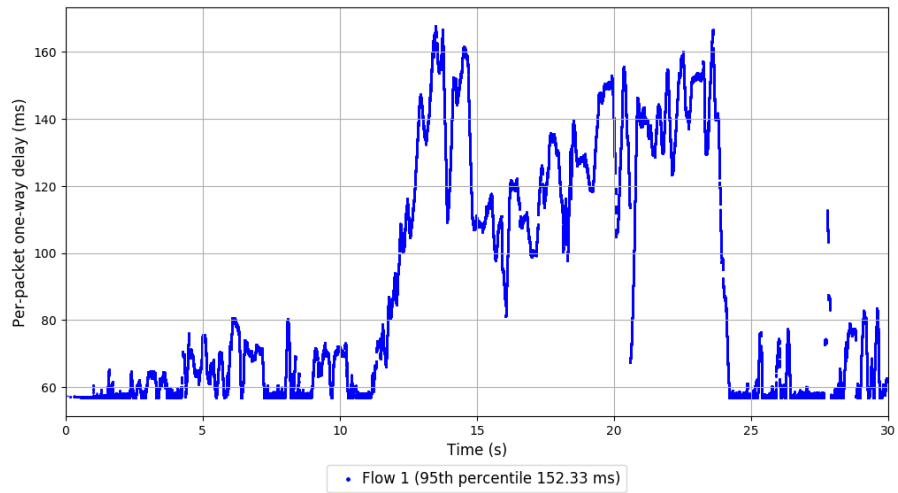
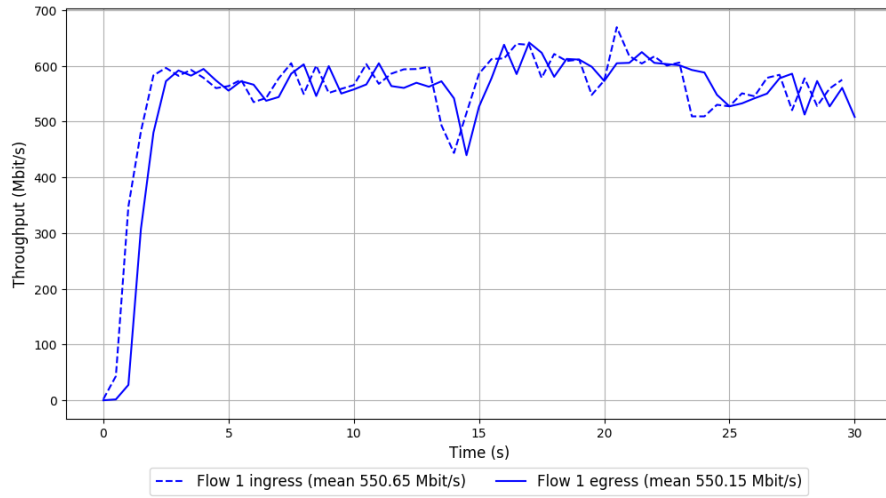


Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 16:05:01
End at: 2019-05-30 16:05:31
Local clock offset: -0.137 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-05-30 17:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 550.15 Mbit/s
95th percentile per-packet one-way delay: 152.333 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 550.15 Mbit/s
95th percentile per-packet one-way delay: 152.333 ms
Loss rate: 0.48%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 16:35:48

End at: 2019-05-30 16:36:18

Local clock offset: -0.02 ms

Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-05-30 17:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.16 Mbit/s

95th percentile per-packet one-way delay: 68.508 ms

Loss rate: 0.44%

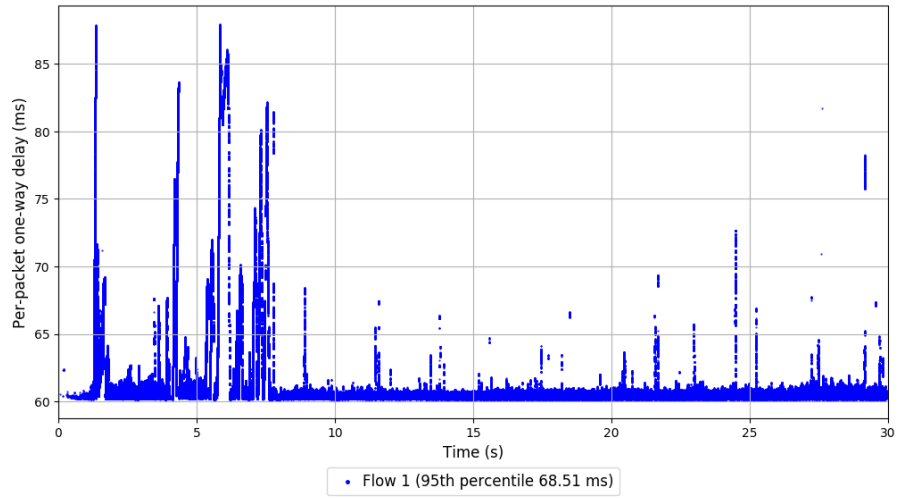
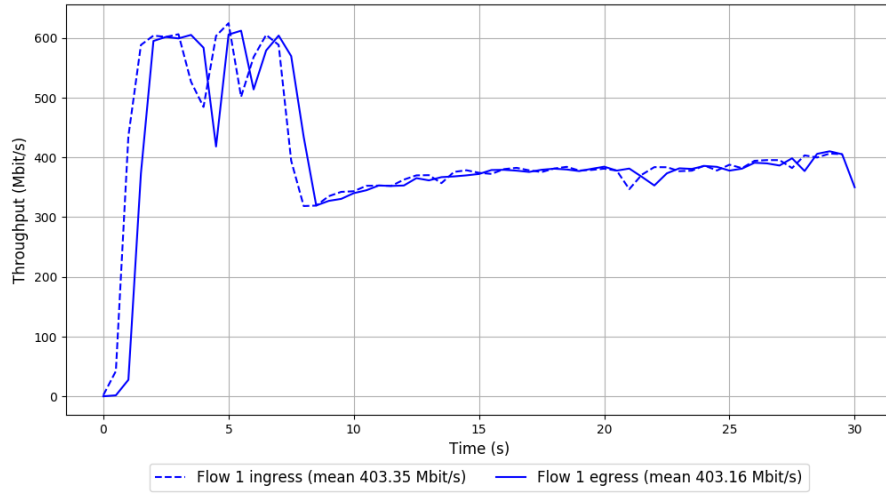
-- Flow 1:

Average throughput: 403.16 Mbit/s

95th percentile per-packet one-way delay: 68.508 ms

Loss rate: 0.44%

Run 5: Report of TCP Cubic — Data Link

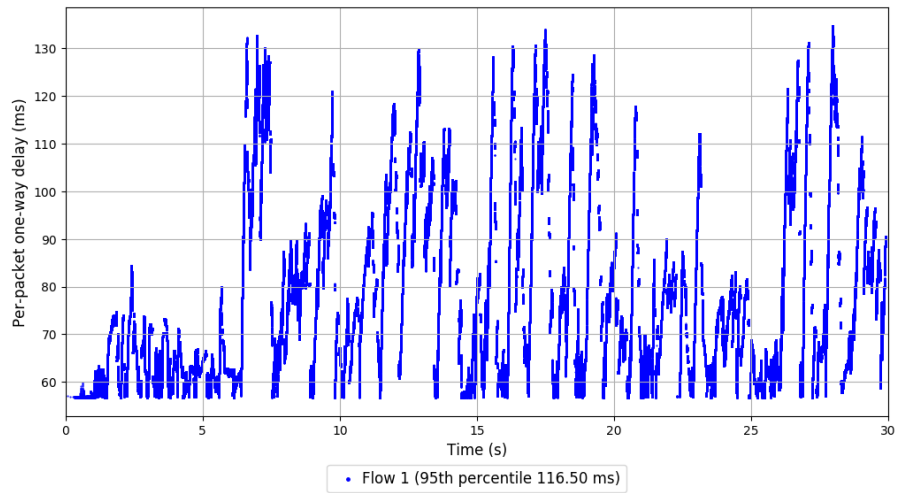
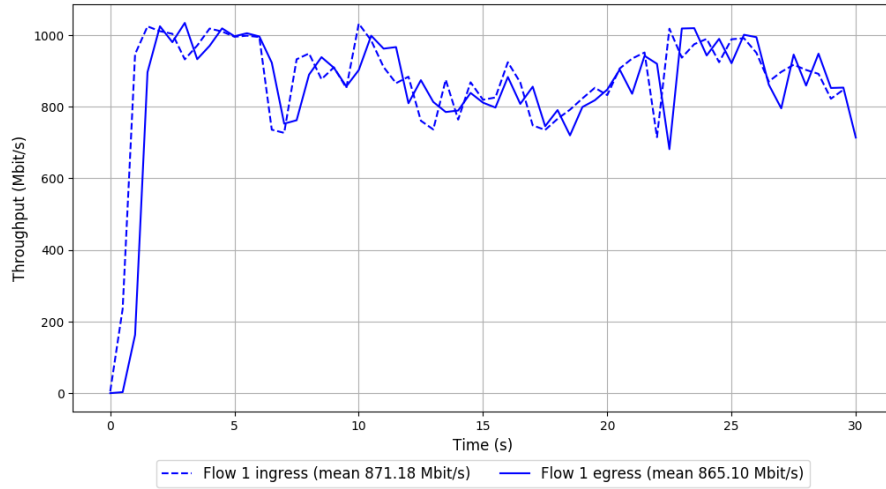


Run 1: Statistics of FillP

Start at: 2019-05-30 14:48:19
End at: 2019-05-30 14:48:49
Local clock offset: -0.168 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-05-30 17:42:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 865.10 Mbit/s
95th percentile per-packet one-way delay: 116.496 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 865.10 Mbit/s
95th percentile per-packet one-way delay: 116.496 ms
Loss rate: 1.07%

Run 1: Report of FillP — Data Link

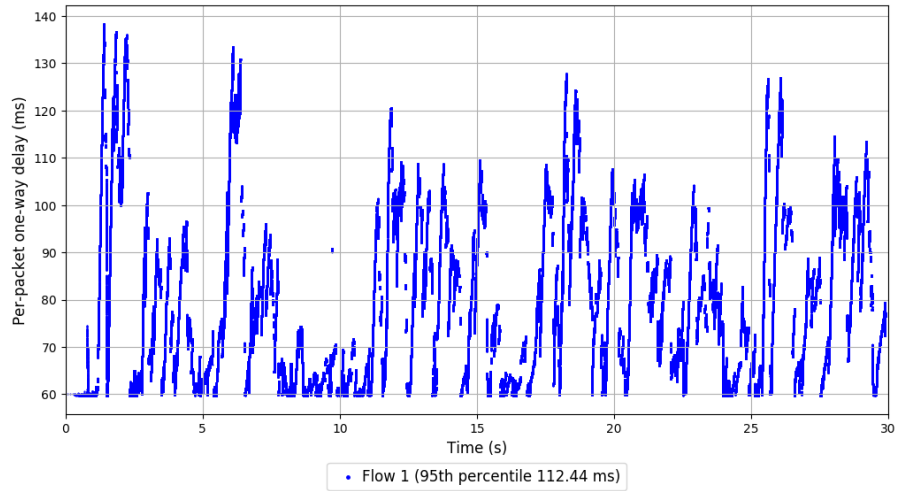
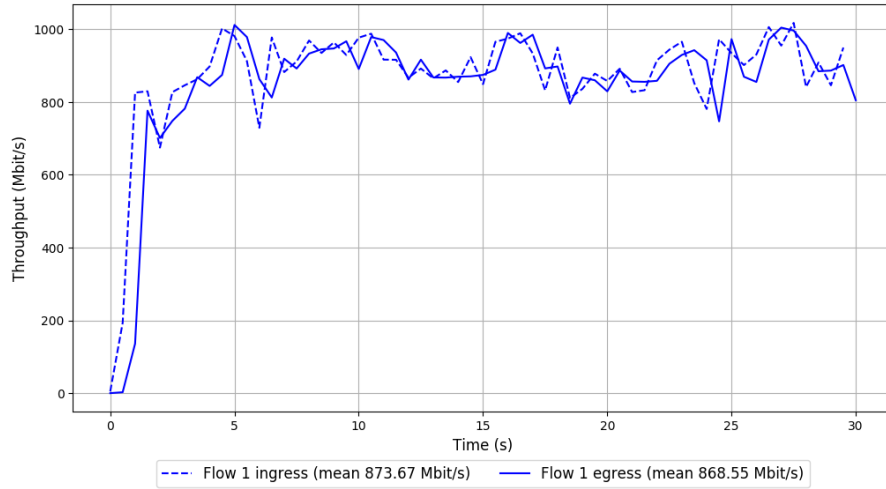


Run 2: Statistics of FillP

Start at: 2019-05-30 15:18:46
End at: 2019-05-30 15:19:16
Local clock offset: -0.551 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2019-05-30 17:51:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 868.55 Mbit/s
95th percentile per-packet one-way delay: 112.436 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 868.55 Mbit/s
95th percentile per-packet one-way delay: 112.436 ms
Loss rate: 0.99%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-05-30 15:49:30

End at: 2019-05-30 15:50:00

Local clock offset: 0.216 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-05-30 17:51:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 850.04 Mbit/s

95th percentile per-packet one-way delay: 115.527 ms

Loss rate: 1.30%

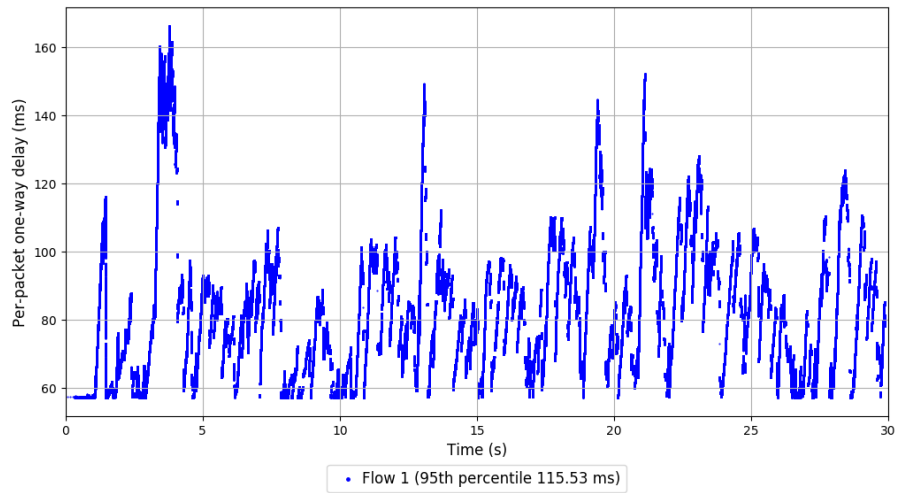
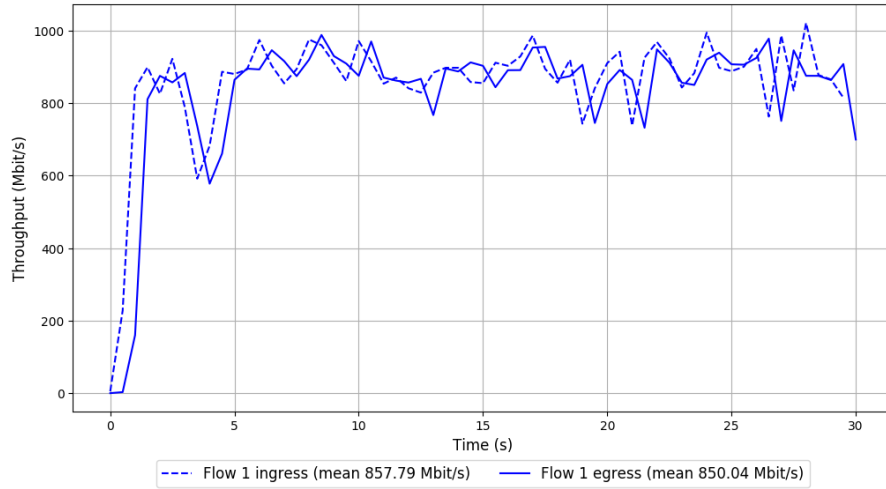
-- Flow 1:

Average throughput: 850.04 Mbit/s

95th percentile per-packet one-way delay: 115.527 ms

Loss rate: 1.30%

Run 3: Report of FillP — Data Link

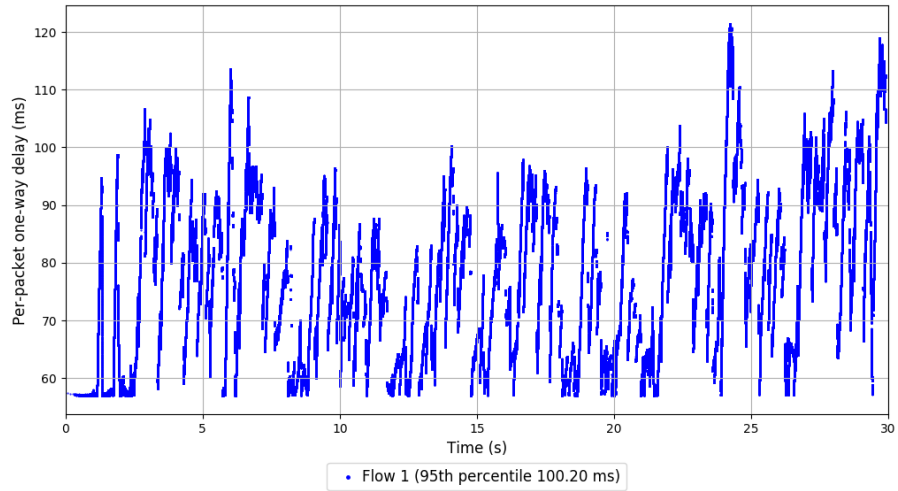
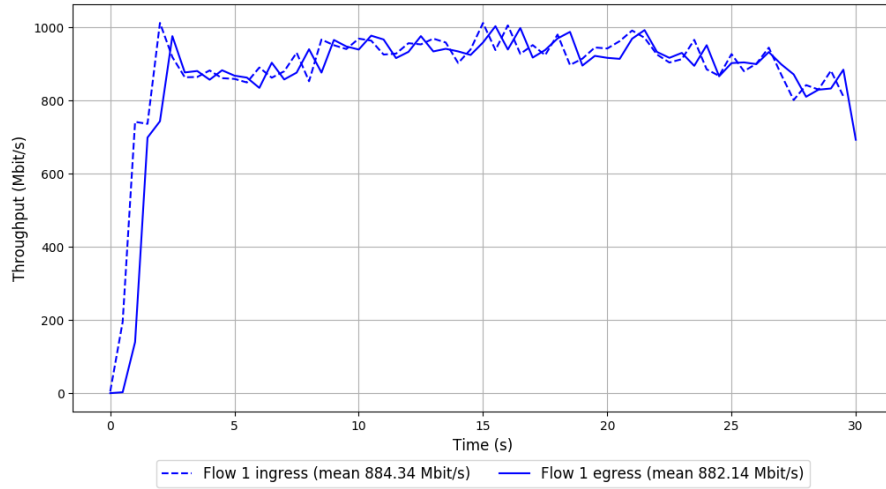


Run 4: Statistics of FillP

Start at: 2019-05-30 16:20:06
End at: 2019-05-30 16:20:36
Local clock offset: -0.274 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2019-05-30 17:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 882.14 Mbit/s
95th percentile per-packet one-way delay: 100.204 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 882.14 Mbit/s
95th percentile per-packet one-way delay: 100.204 ms
Loss rate: 0.64%

Run 4: Report of FillP — Data Link

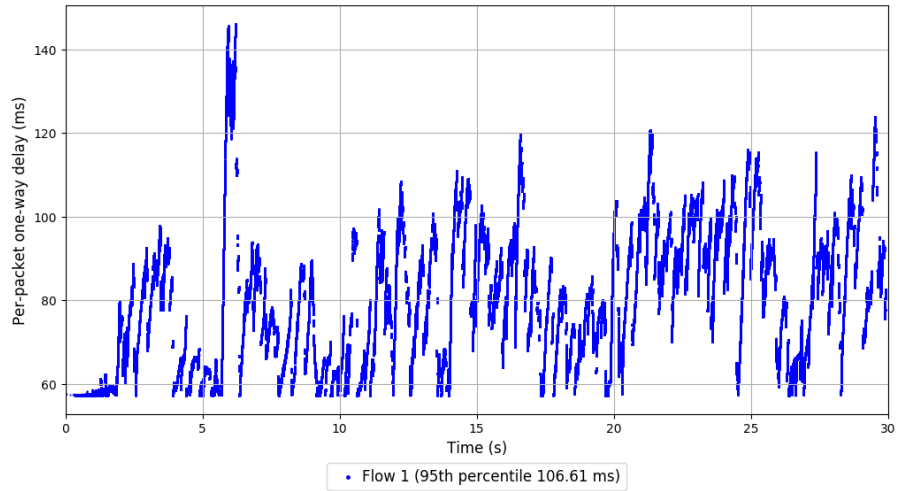
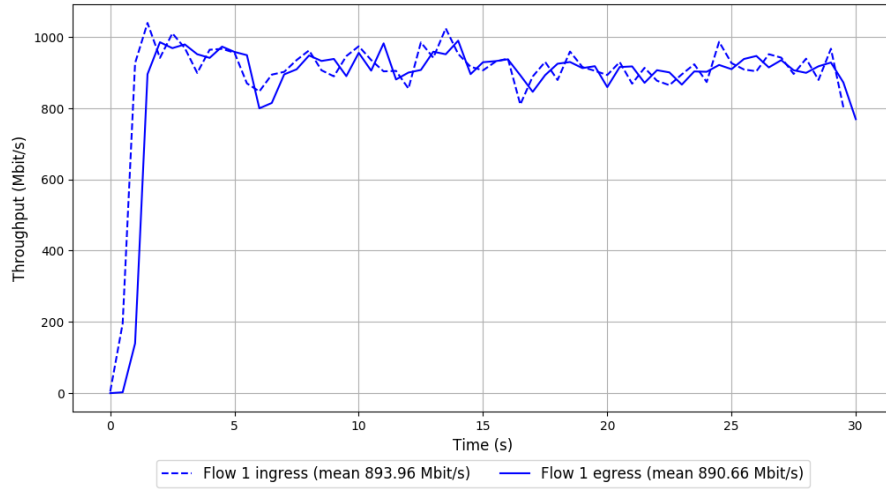


Run 5: Statistics of FillP

Start at: 2019-05-30 16:50:42
End at: 2019-05-30 16:51:12
Local clock offset: 0.357 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-05-30 17:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 890.66 Mbit/s
95th percentile per-packet one-way delay: 106.611 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 890.66 Mbit/s
95th percentile per-packet one-way delay: 106.611 ms
Loss rate: 0.76%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 14:43:36

End at: 2019-05-30 14:44:06

Local clock offset: 0.213 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2019-05-30 17:53:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 844.61 Mbit/s

95th percentile per-packet one-way delay: 111.966 ms

Loss rate: 0.57%

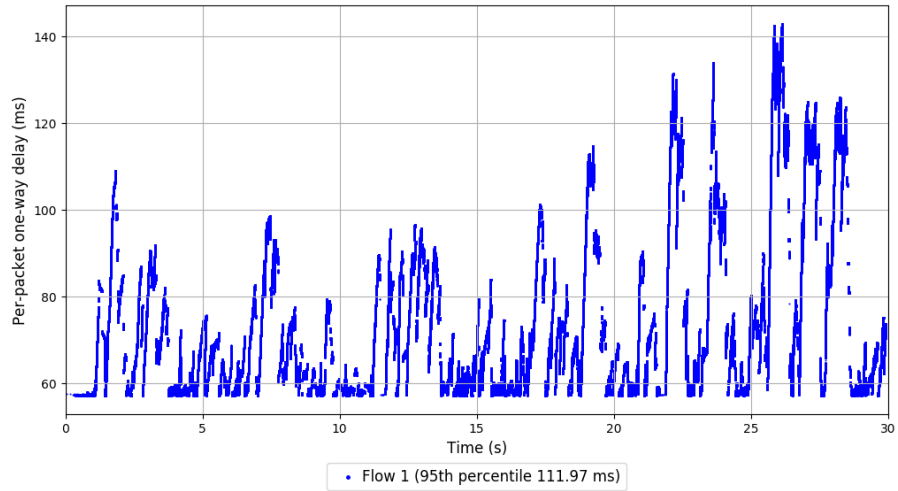
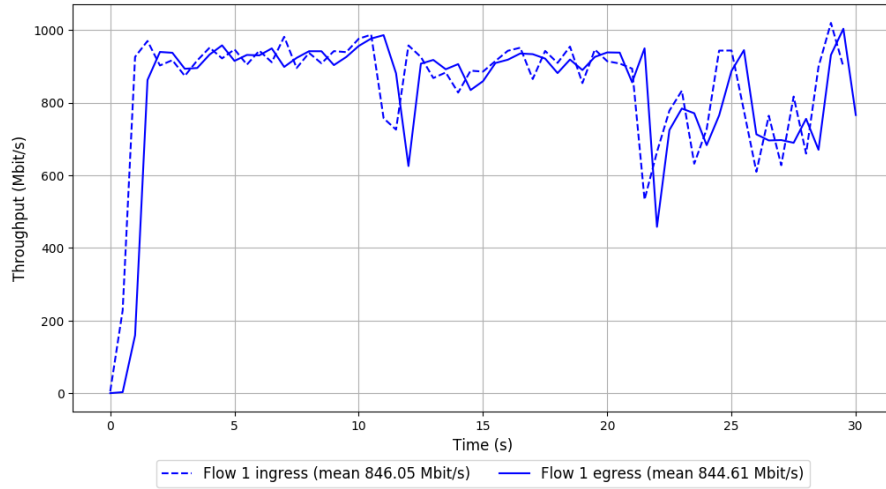
-- Flow 1:

Average throughput: 844.61 Mbit/s

95th percentile per-packet one-way delay: 111.966 ms

Loss rate: 0.57%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 15:14:01

End at: 2019-05-30 15:14:31

Local clock offset: 0.339 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-05-30 17:53:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 822.64 Mbit/s

95th percentile per-packet one-way delay: 97.636 ms

Loss rate: 0.56%

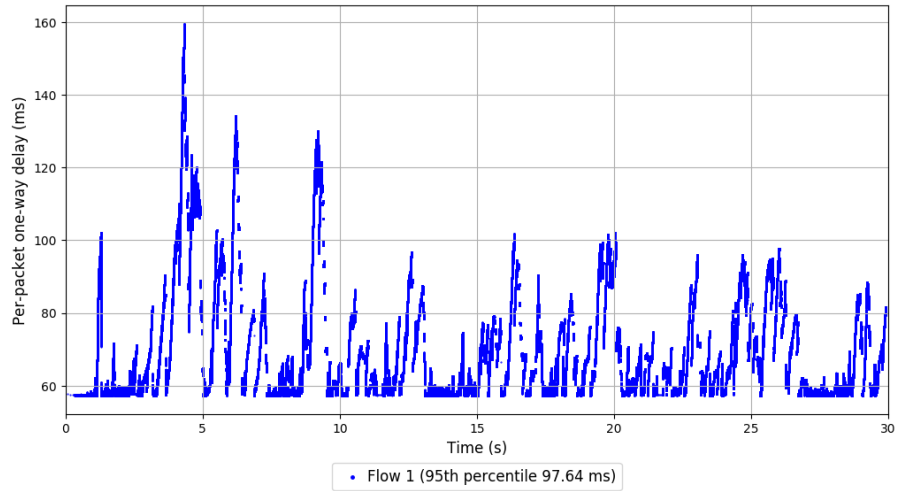
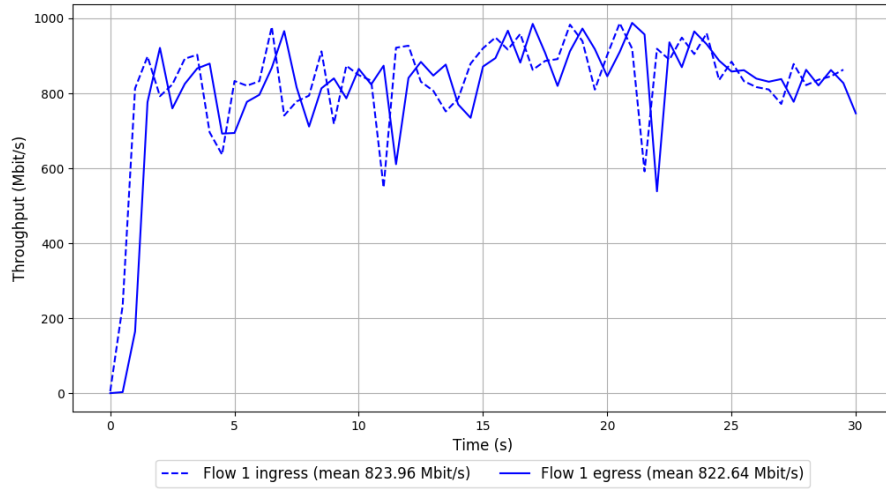
-- Flow 1:

Average throughput: 822.64 Mbit/s

95th percentile per-packet one-way delay: 97.636 ms

Loss rate: 0.56%

Run 2: Report of FillP-Sheep — Data Link

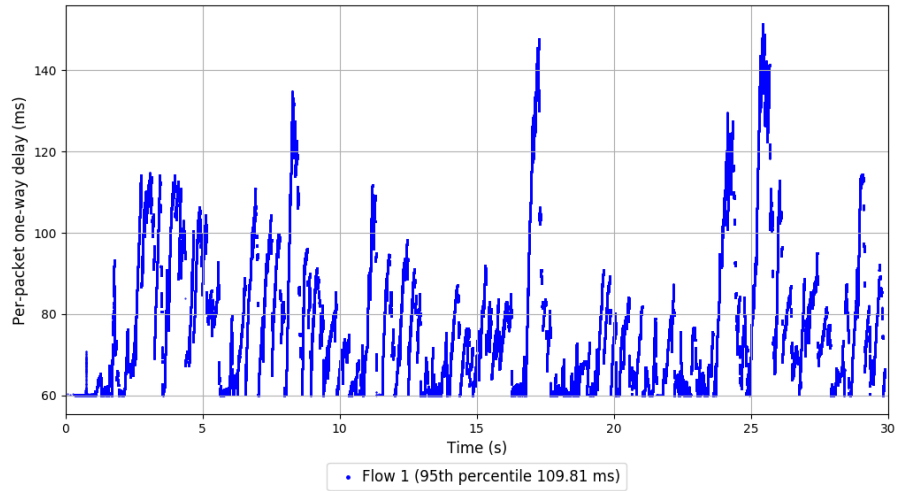
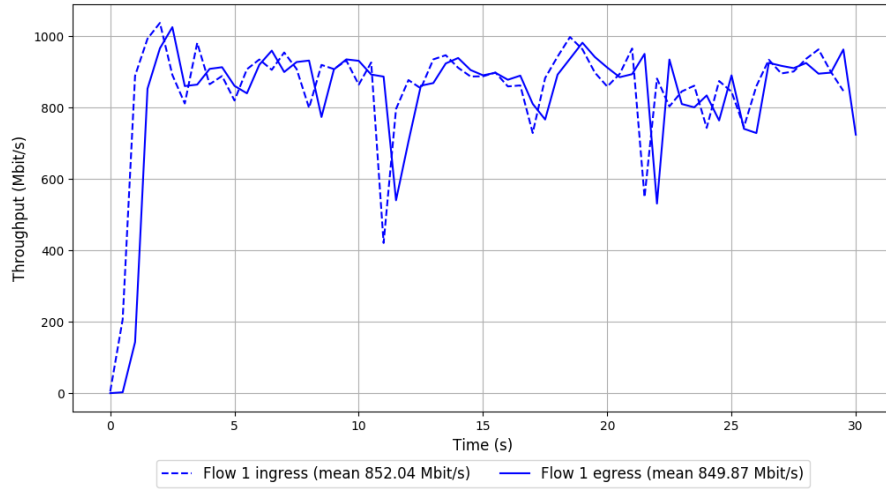


Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 15:44:45
End at: 2019-05-30 15:45:15
Local clock offset: -0.179 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-05-30 17:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 849.87 Mbit/s
95th percentile per-packet one-way delay: 109.807 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 849.87 Mbit/s
95th percentile per-packet one-way delay: 109.807 ms
Loss rate: 0.66%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 16:15:20

End at: 2019-05-30 16:15:50

Local clock offset: 0.242 ms

Remote clock offset: -0.226 ms

Below is generated by plot.py at 2019-05-30 18:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 832.98 Mbit/s

95th percentile per-packet one-way delay: 112.055 ms

Loss rate: 0.79%

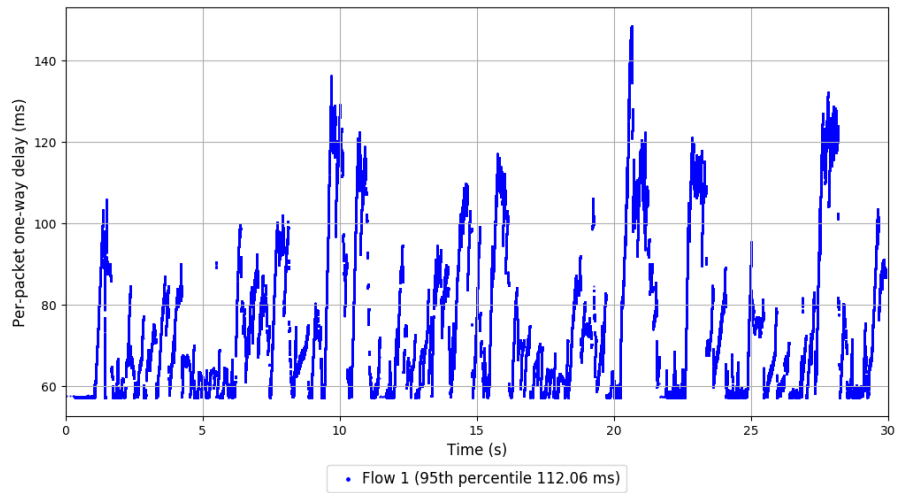
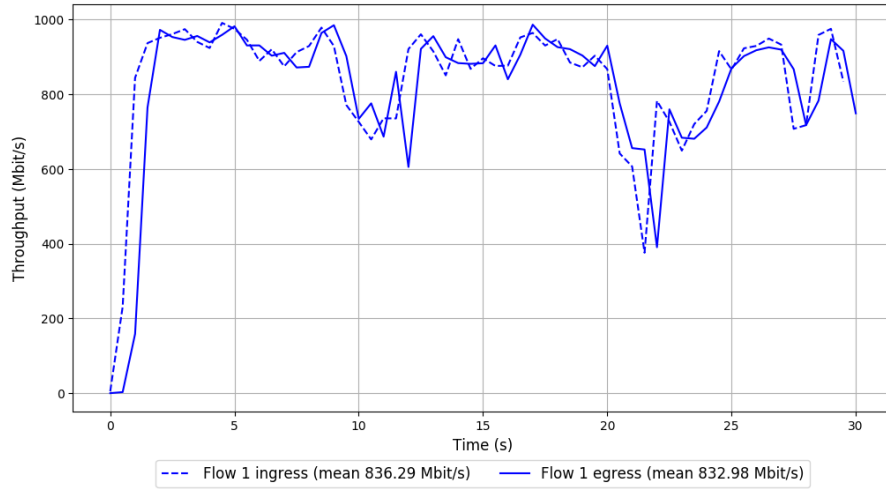
-- Flow 1:

Average throughput: 832.98 Mbit/s

95th percentile per-packet one-way delay: 112.055 ms

Loss rate: 0.79%

Run 4: Report of FillP-Sheep — Data Link

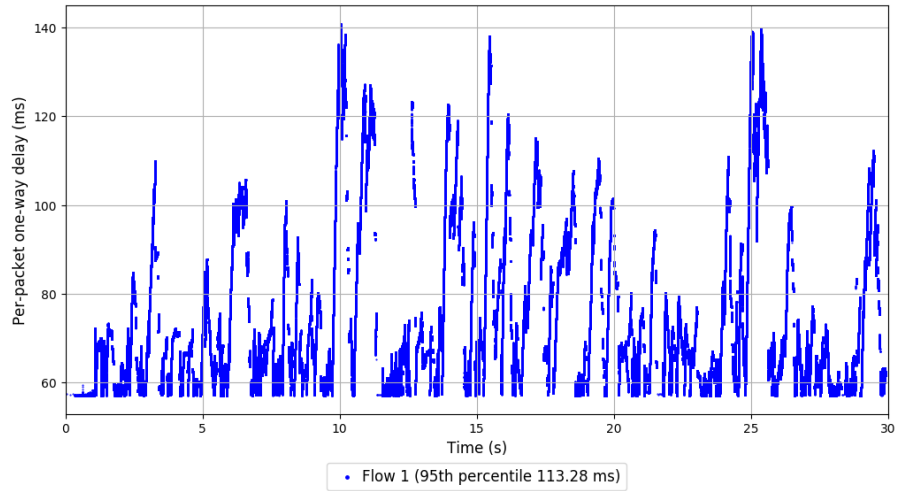
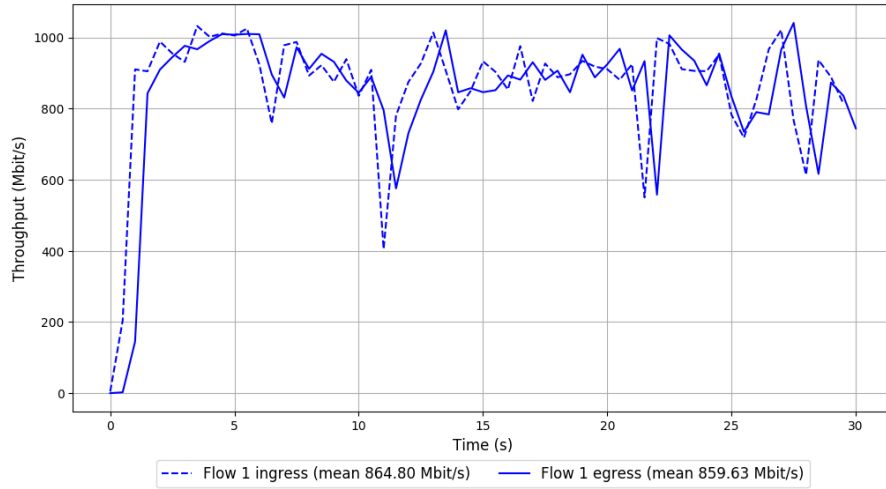


Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 16:45:57
End at: 2019-05-30 16:46:27
Local clock offset: -0.062 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-05-30 18:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 859.63 Mbit/s
95th percentile per-packet one-way delay: 113.282 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 859.63 Mbit/s
95th percentile per-packet one-way delay: 113.282 ms
Loss rate: 0.99%

Run 5: Report of FillP-Sheep — Data Link

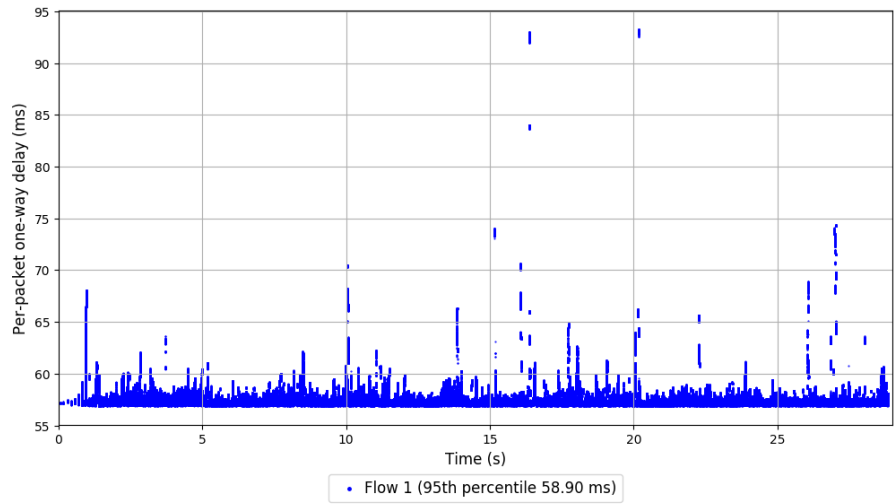
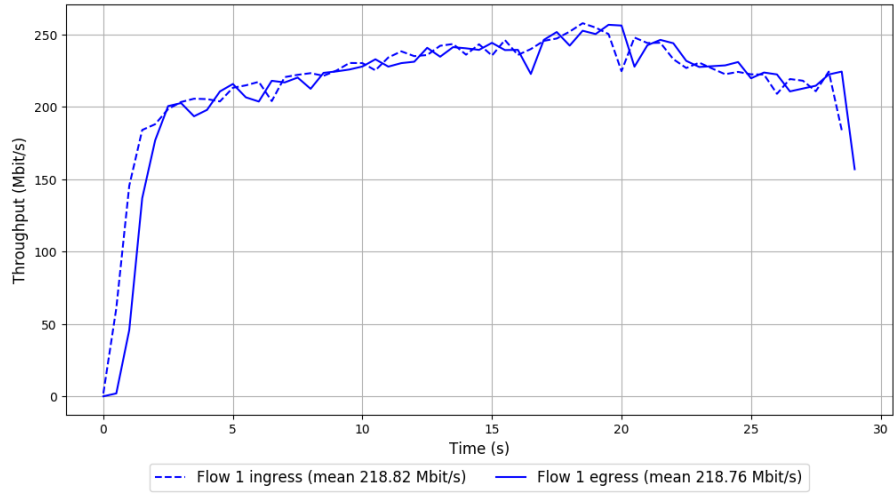


Run 1: Statistics of Indigo

Start at: 2019-05-30 14:57:08
End at: 2019-05-30 14:57:38
Local clock offset: -0.174 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-05-30 18:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.76 Mbit/s
95th percentile per-packet one-way delay: 58.901 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 218.76 Mbit/s
95th percentile per-packet one-way delay: 58.901 ms
Loss rate: 0.44%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-05-30 15:27:42

End at: 2019-05-30 15:28:12

Local clock offset: -0.169 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-05-30 18:12:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.35 Mbit/s

95th percentile per-packet one-way delay: 58.478 ms

Loss rate: 0.38%

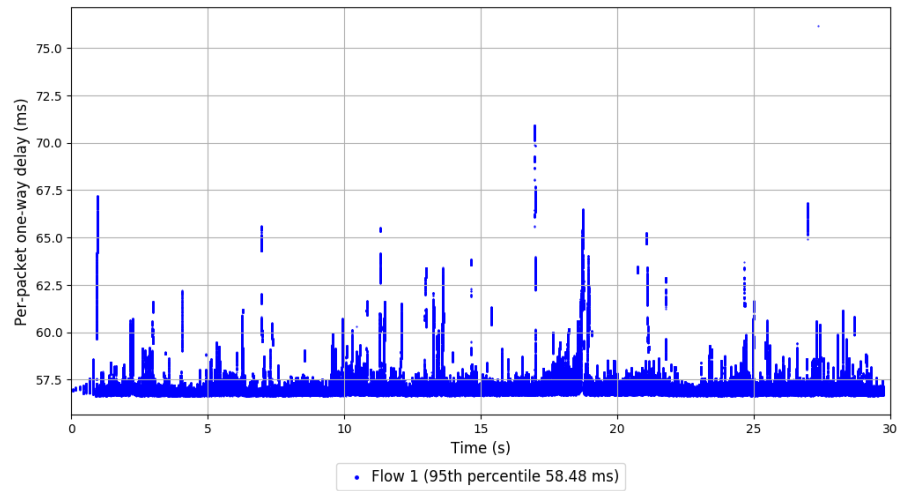
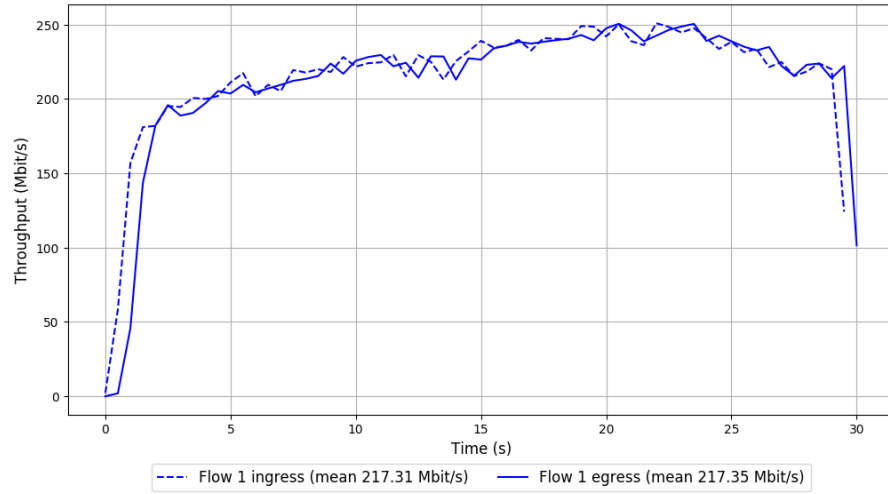
-- Flow 1:

Average throughput: 217.35 Mbit/s

95th percentile per-packet one-way delay: 58.478 ms

Loss rate: 0.38%

Run 2: Report of Indigo — Data Link

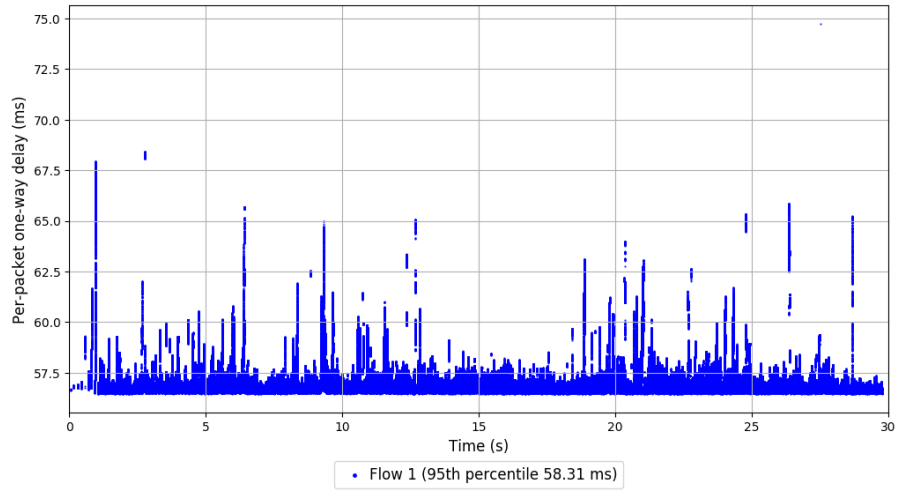
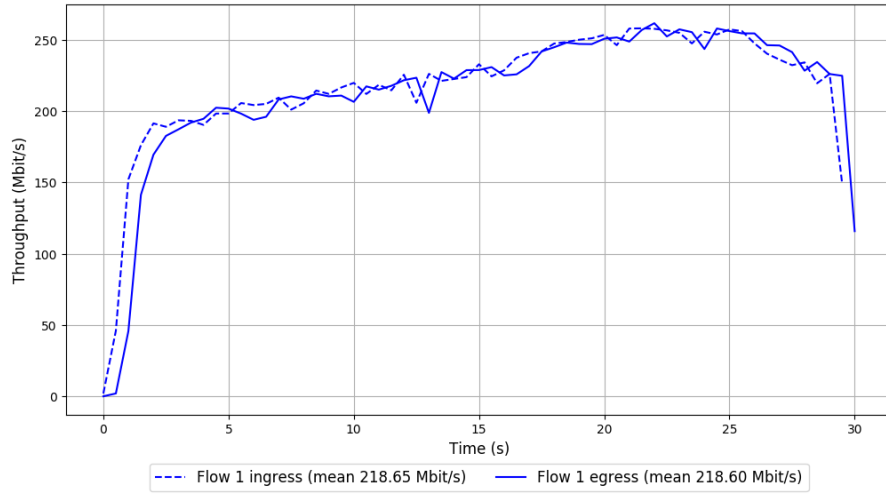


Run 3: Statistics of Indigo

Start at: 2019-05-30 15:58:27
End at: 2019-05-30 15:58:57
Local clock offset: -0.52 ms
Remote clock offset: -0.053 ms

```
# Below is generated by plot.py at 2019-05-30 18:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.60 Mbit/s
95th percentile per-packet one-way delay: 58.308 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 218.60 Mbit/s
95th percentile per-packet one-way delay: 58.308 ms
Loss rate: 0.42%
```

Run 3: Report of Indigo — Data Link

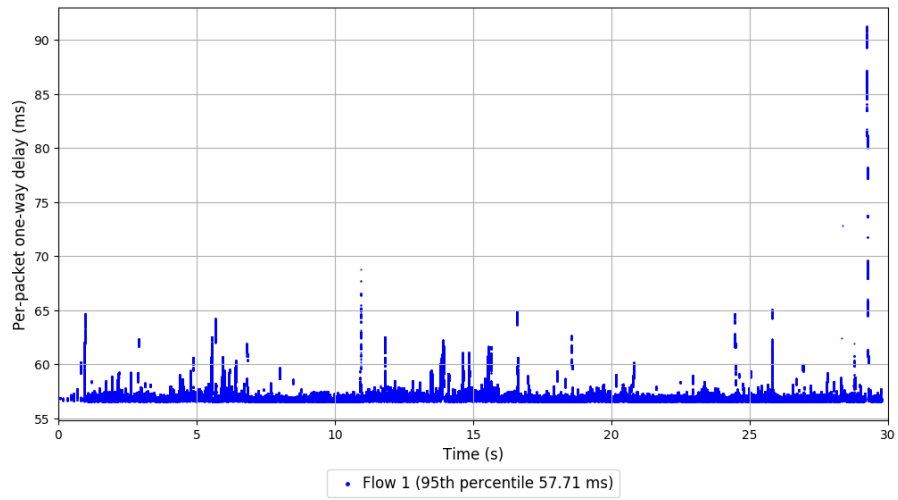
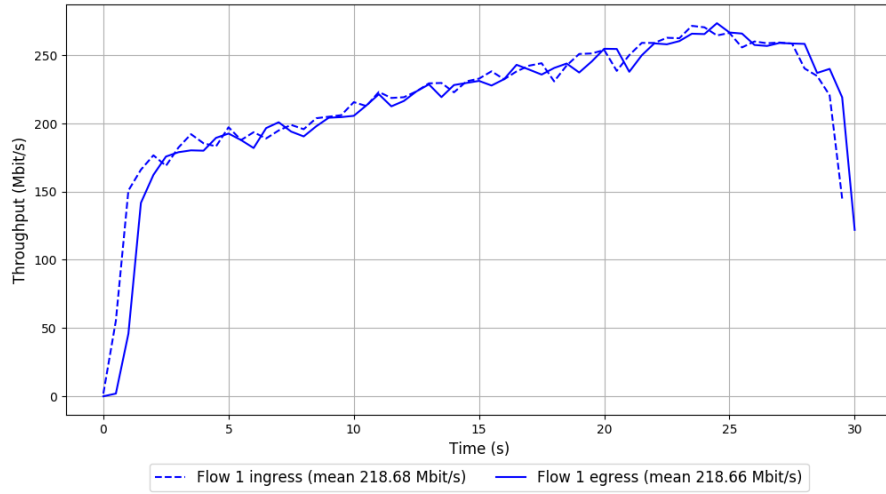


Run 4: Statistics of Indigo

Start at: 2019-05-30 16:29:09
End at: 2019-05-30 16:29:39
Local clock offset: -0.334 ms
Remote clock offset: -0.036 ms

```
# Below is generated by plot.py at 2019-05-30 18:12:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.66 Mbit/s
95th percentile per-packet one-way delay: 57.711 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 218.66 Mbit/s
95th percentile per-packet one-way delay: 57.711 ms
Loss rate: 0.41%
```

Run 4: Report of Indigo — Data Link

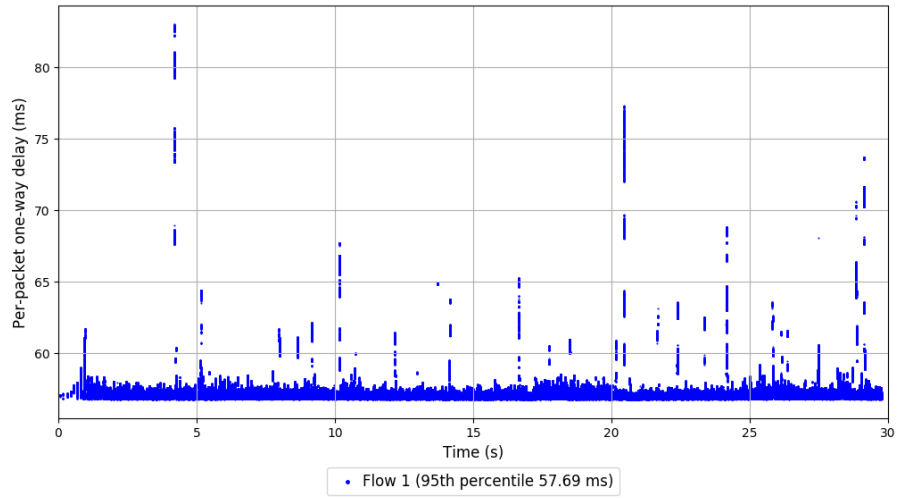
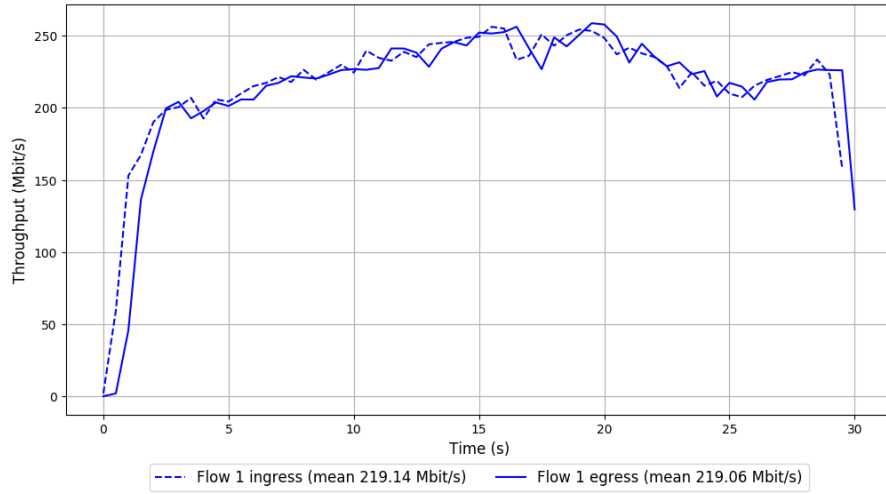


Run 5: Statistics of Indigo

Start at: 2019-05-30 16:59:35
End at: 2019-05-30 17:00:05
Local clock offset: -0.116 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-05-30 18:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.06 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 219.06 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.43%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-30 14:45:17

End at: 2019-05-30 14:45:47

Local clock offset: -0.201 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-05-30 18:12:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.05 Mbit/s

95th percentile per-packet one-way delay: 67.745 ms

Loss rate: 0.42%

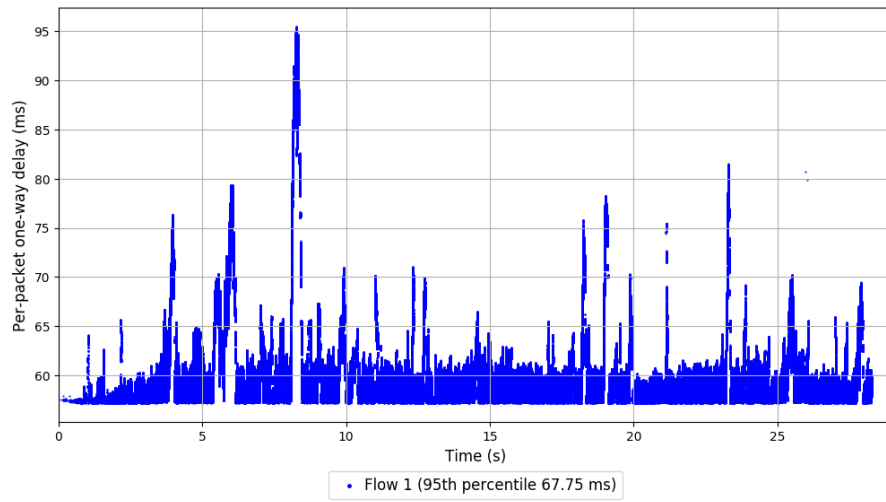
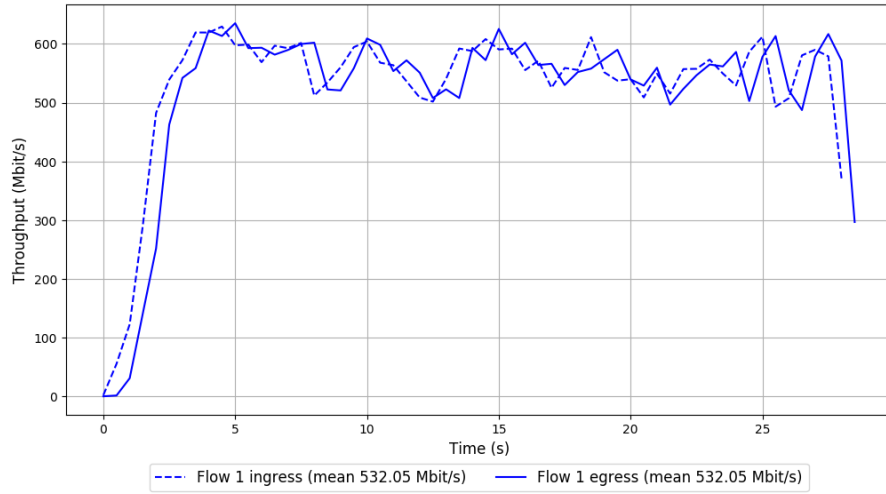
-- Flow 1:

Average throughput: 532.05 Mbit/s

95th percentile per-packet one-way delay: 67.745 ms

Loss rate: 0.42%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 15:15:43

End at: 2019-05-30 15:16:13

Local clock offset: 0.256 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-05-30 18:12:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 552.63 Mbit/s

95th percentile per-packet one-way delay: 71.957 ms

Loss rate: 0.50%

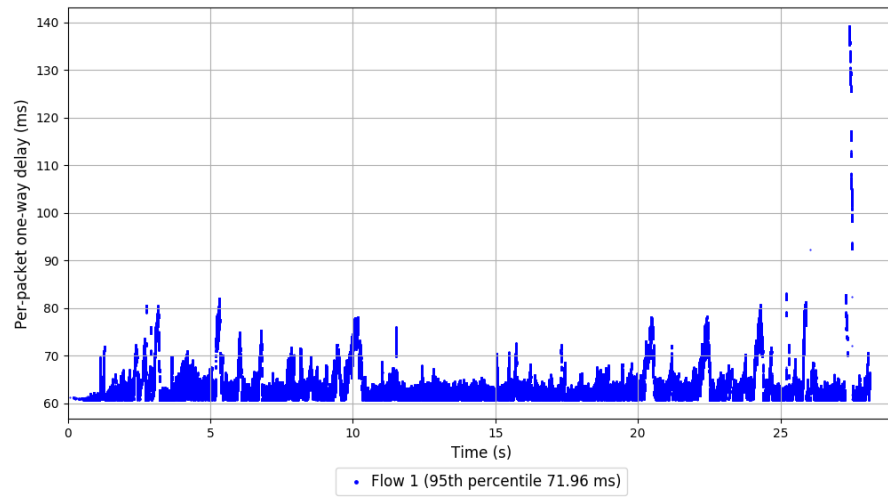
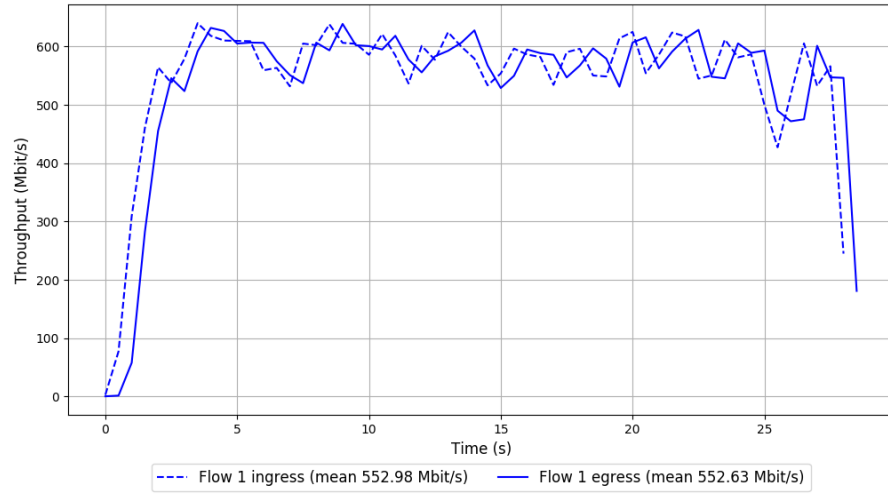
-- Flow 1:

Average throughput: 552.63 Mbit/s

95th percentile per-packet one-way delay: 71.957 ms

Loss rate: 0.50%

Run 2: Report of Indigo-MusesC3 — Data Link

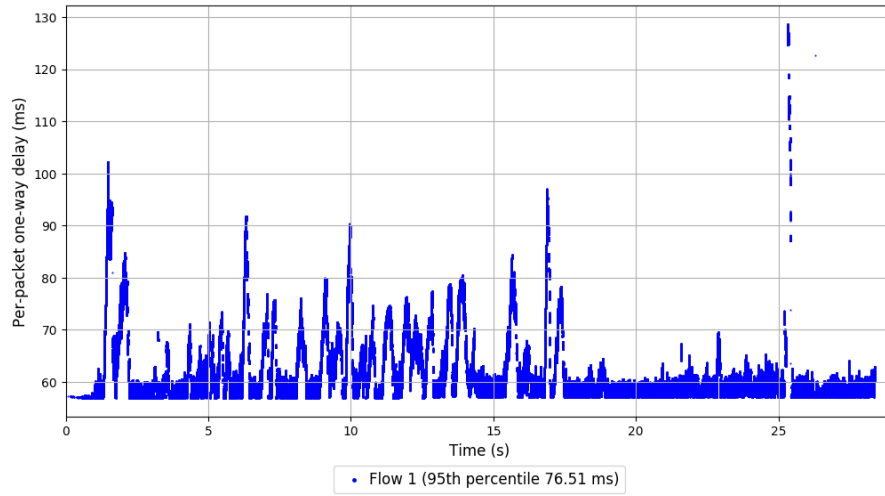
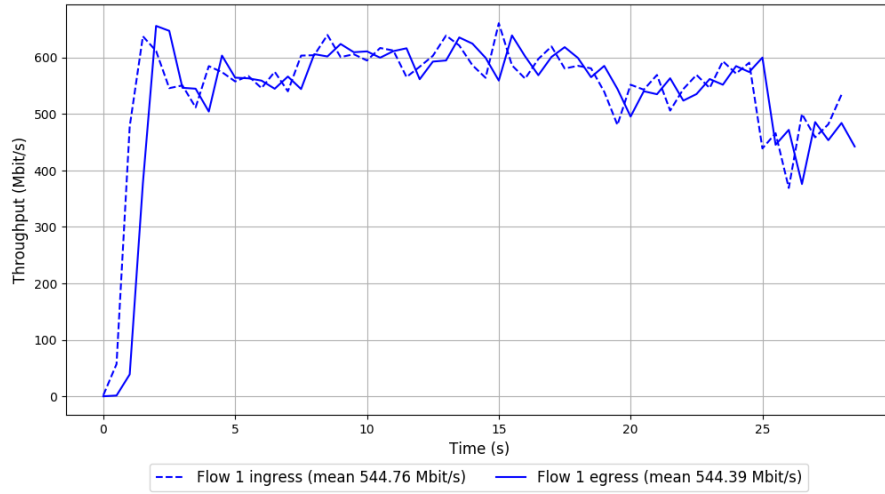


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 15:46:27
End at: 2019-05-30 15:46:57
Local clock offset: -0.164 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-05-30 18:12:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.39 Mbit/s
95th percentile per-packet one-way delay: 76.513 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 544.39 Mbit/s
95th percentile per-packet one-way delay: 76.513 ms
Loss rate: 0.48%

Run 3: Report of Indigo-MusesC3 — Data Link

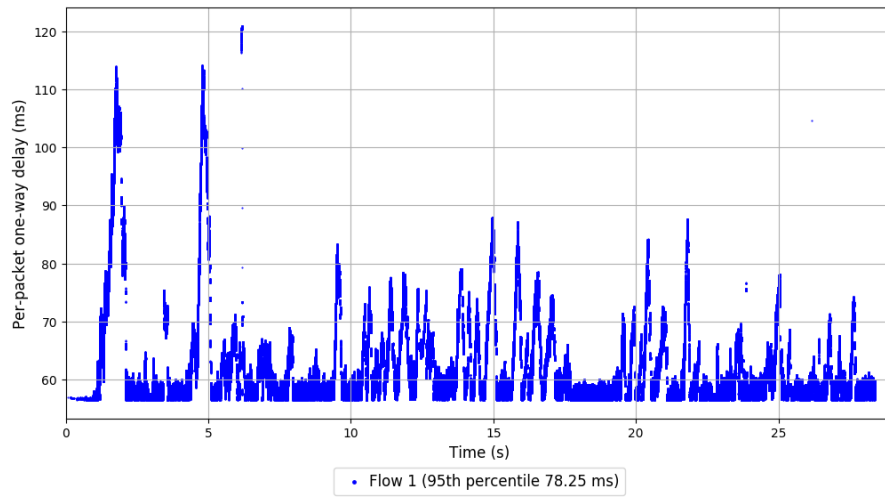
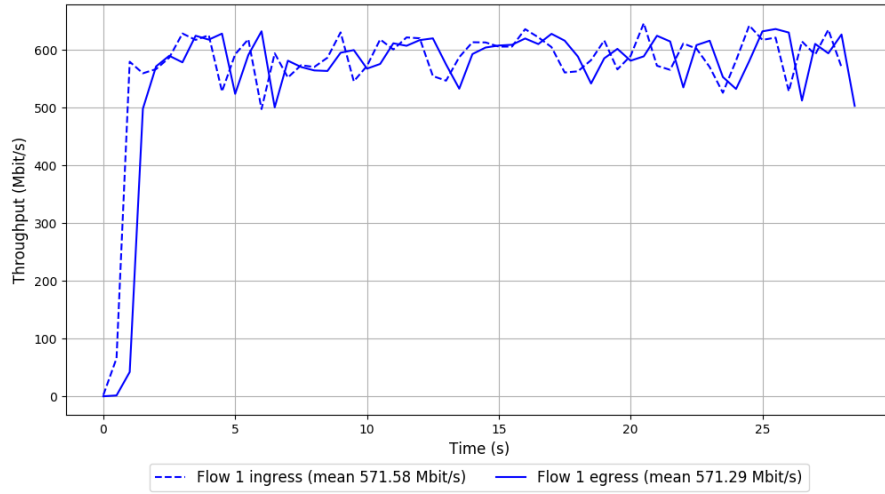


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 16:17:02
End at: 2019-05-30 16:17:32
Local clock offset: -0.421 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-05-30 18:12:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 571.29 Mbit/s
95th percentile per-packet one-way delay: 78.251 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 571.29 Mbit/s
95th percentile per-packet one-way delay: 78.251 ms
Loss rate: 0.47%

Run 4: Report of Indigo-MusesC3 — Data Link

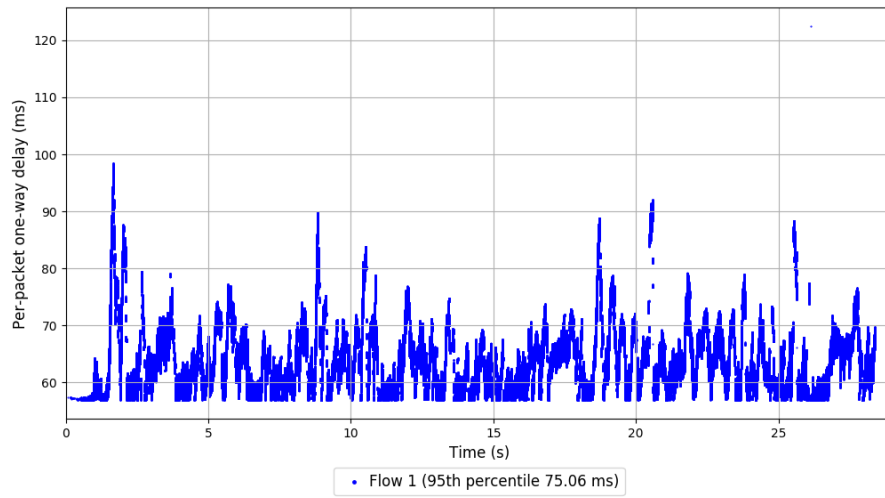
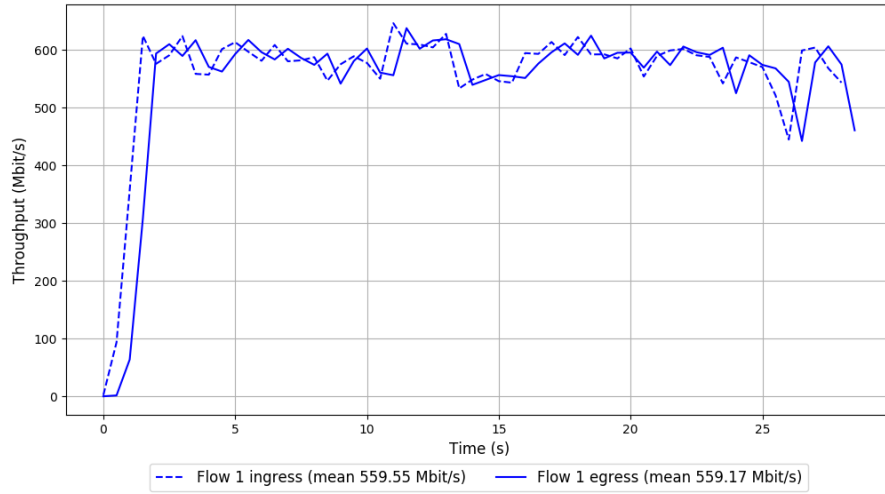


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 16:47:39
End at: 2019-05-30 16:48:09
Local clock offset: -0.057 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-05-30 18:12:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.17 Mbit/s
95th percentile per-packet one-way delay: 75.060 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 559.17 Mbit/s
95th percentile per-packet one-way delay: 75.060 ms
Loss rate: 0.48%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 14:42:04

End at: 2019-05-30 14:42:34

Local clock offset: -0.527 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2019-05-30 18:12:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.96 Mbit/s

95th percentile per-packet one-way delay: 67.997 ms

Loss rate: 0.51%

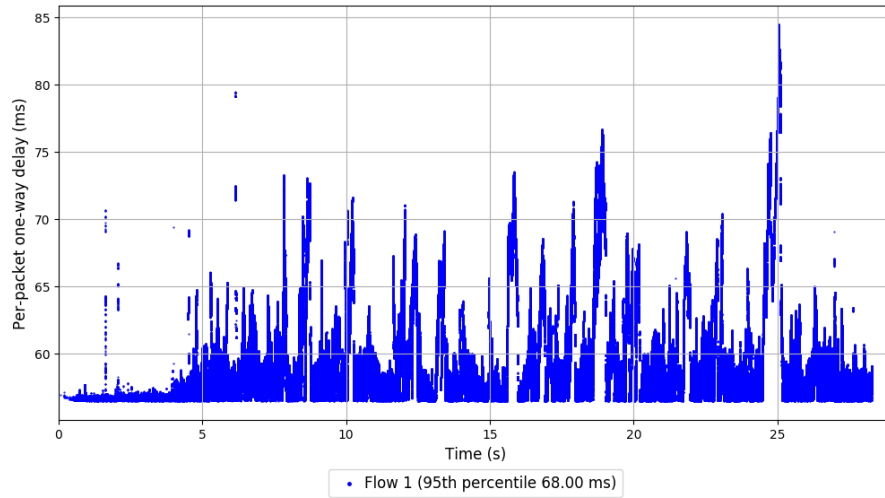
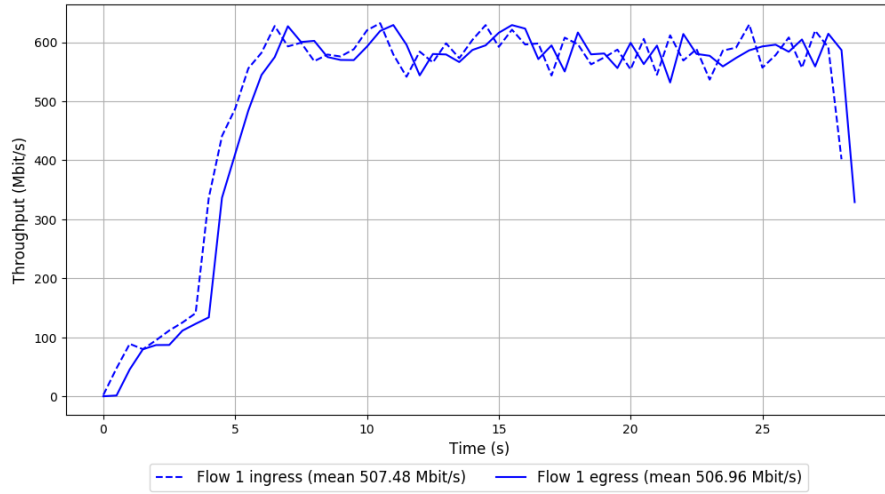
-- Flow 1:

Average throughput: 506.96 Mbit/s

95th percentile per-packet one-way delay: 67.997 ms

Loss rate: 0.51%

Run 1: Report of Indigo-MusesC5 — Data Link

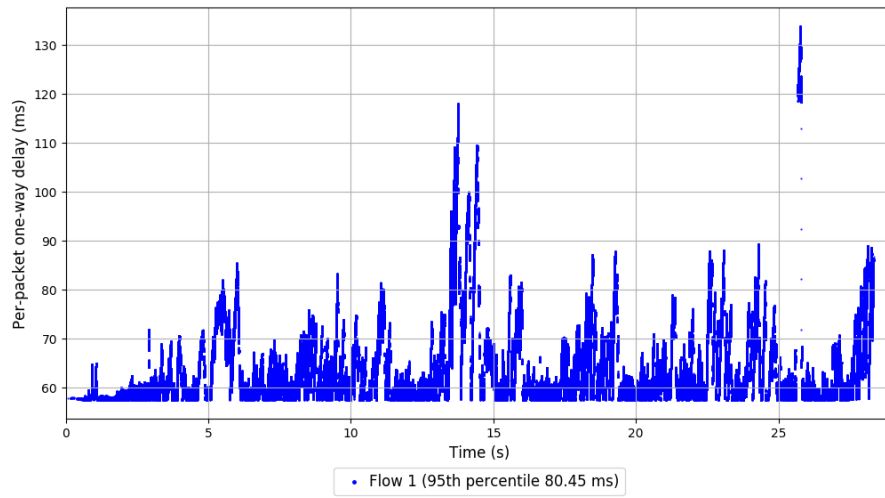
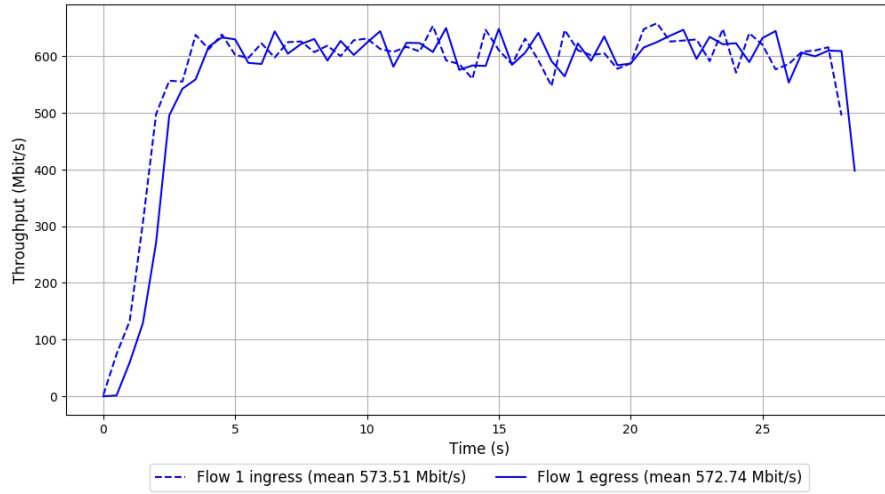


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 15:12:27
End at: 2019-05-30 15:12:57
Local clock offset: 0.31 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2019-05-30 18:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 572.74 Mbit/s
95th percentile per-packet one-way delay: 80.451 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 572.74 Mbit/s
95th percentile per-packet one-way delay: 80.451 ms
Loss rate: 0.54%

Run 2: Report of Indigo-MusesC5 — Data Link

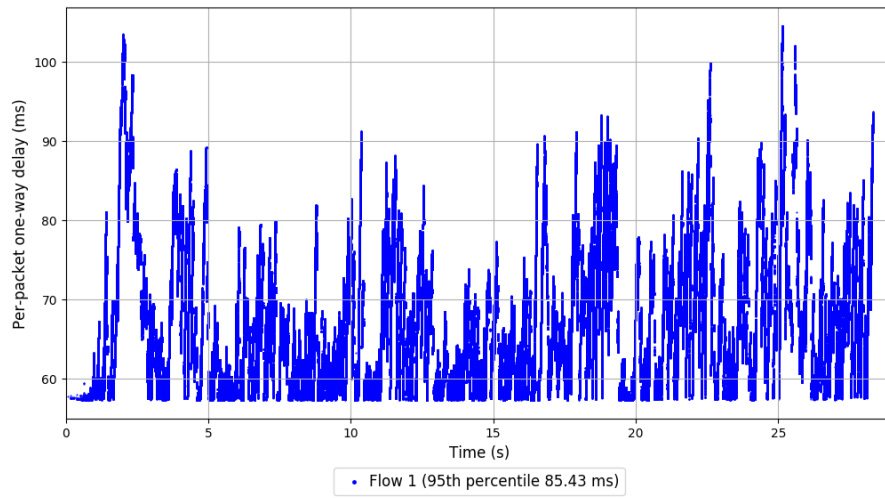
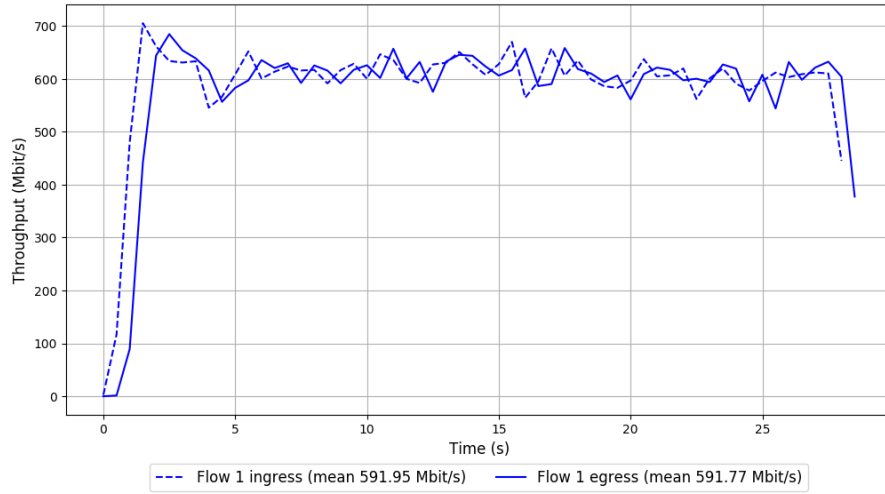


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 15:43:09
End at: 2019-05-30 15:43:39
Local clock offset: 0.208 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-05-30 18:16:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 591.77 Mbit/s
95th percentile per-packet one-way delay: 85.432 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 591.77 Mbit/s
95th percentile per-packet one-way delay: 85.432 ms
Loss rate: 0.45%

Run 3: Report of Indigo-MusesC5 — Data Link

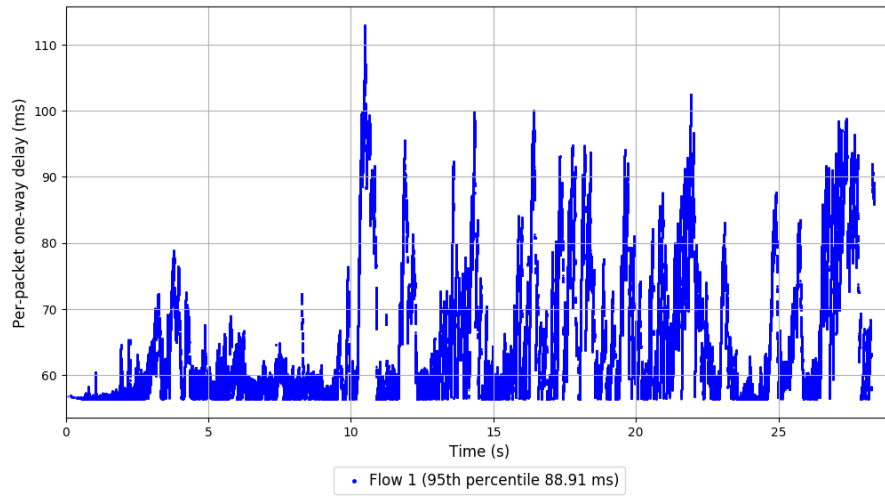
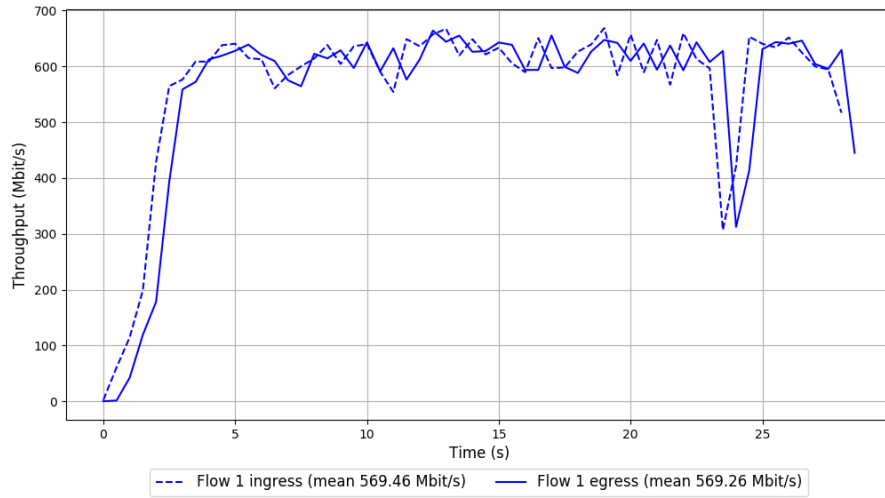


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 16:13:46
End at: 2019-05-30 16:14:16
Local clock offset: -0.543 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-05-30 18:20:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 569.26 Mbit/s
95th percentile per-packet one-way delay: 88.913 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 569.26 Mbit/s
95th percentile per-packet one-way delay: 88.913 ms
Loss rate: 0.45%

Run 4: Report of Indigo-MusesC5 — Data Link

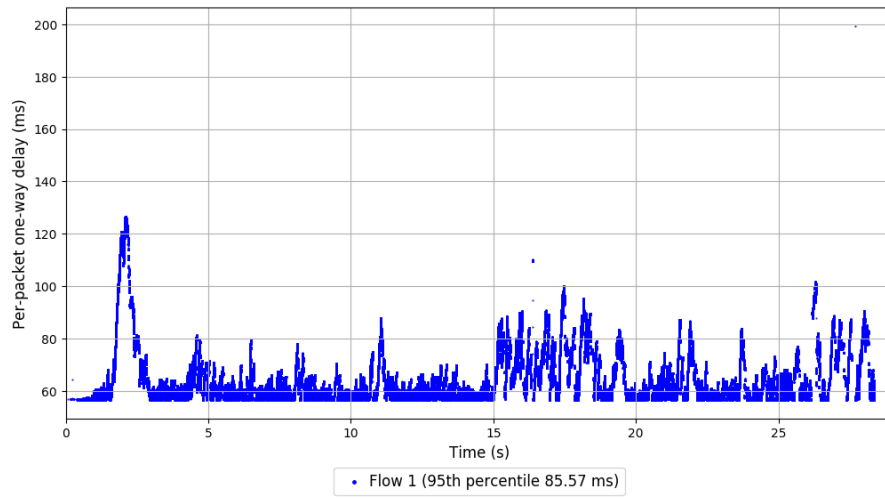
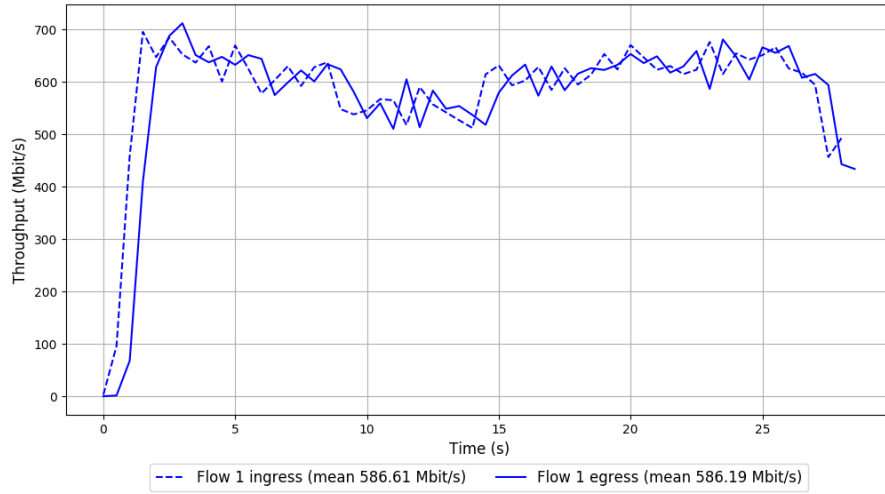


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 16:44:22
End at: 2019-05-30 16:44:52
Local clock offset: -0.372 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2019-05-30 18:21:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 586.19 Mbit/s
95th percentile per-packet one-way delay: 85.574 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 586.19 Mbit/s
95th percentile per-packet one-way delay: 85.574 ms
Loss rate: 0.48%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 14:36:32

End at: 2019-05-30 14:37:02

Local clock offset: 0.01 ms

Remote clock offset: 0.477 ms

Below is generated by plot.py at 2019-05-30 18:21:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.42 Mbit/s

95th percentile per-packet one-way delay: 81.793 ms

Loss rate: 0.48%

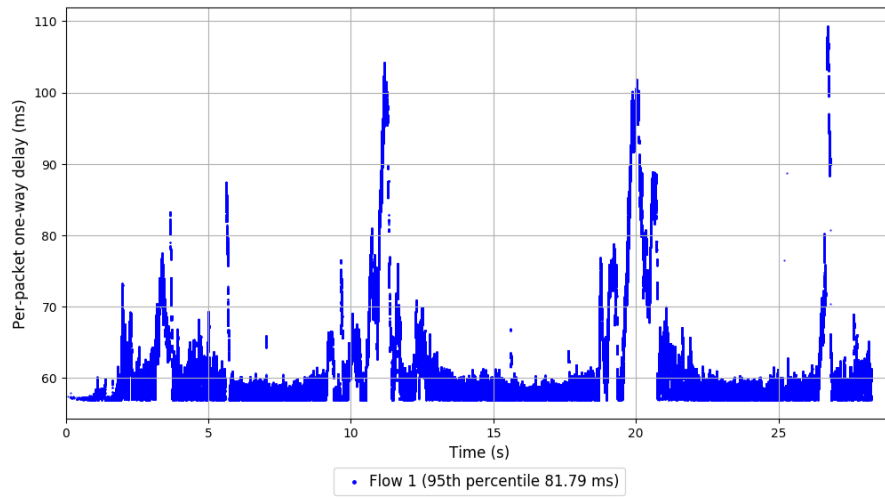
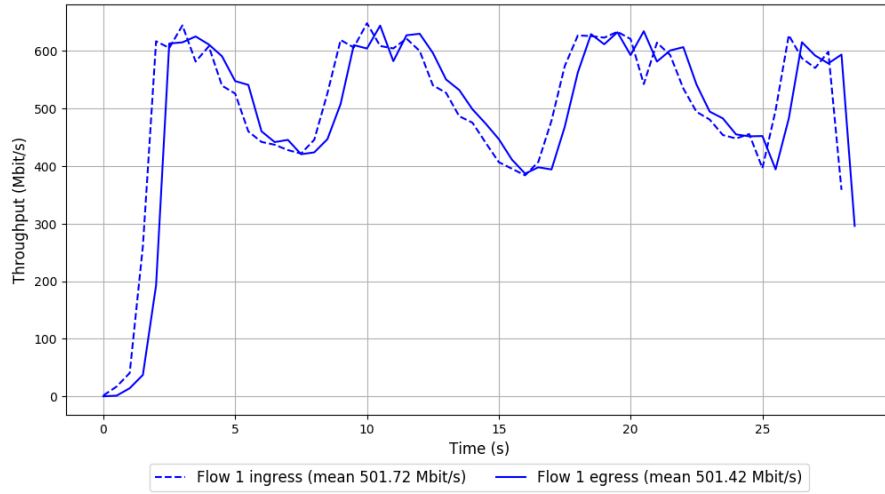
-- Flow 1:

Average throughput: 501.42 Mbit/s

95th percentile per-packet one-way delay: 81.793 ms

Loss rate: 0.48%

Run 1: Report of Indigo-MusesD — Data Link

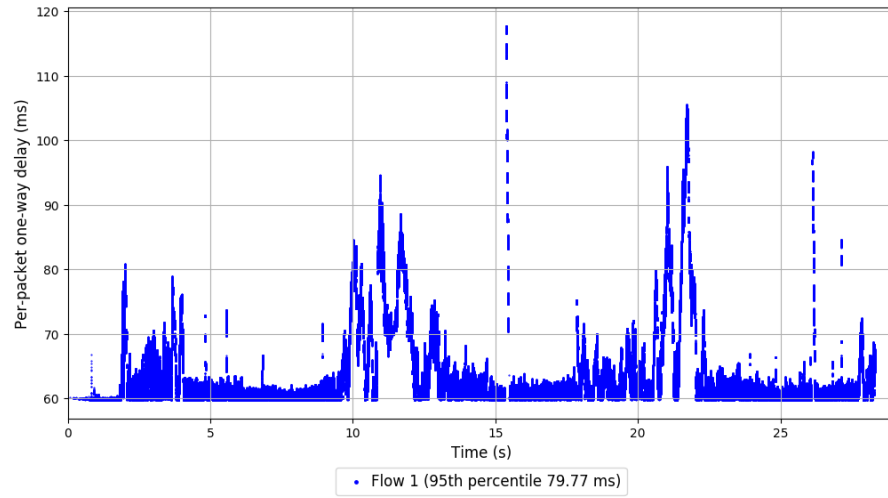
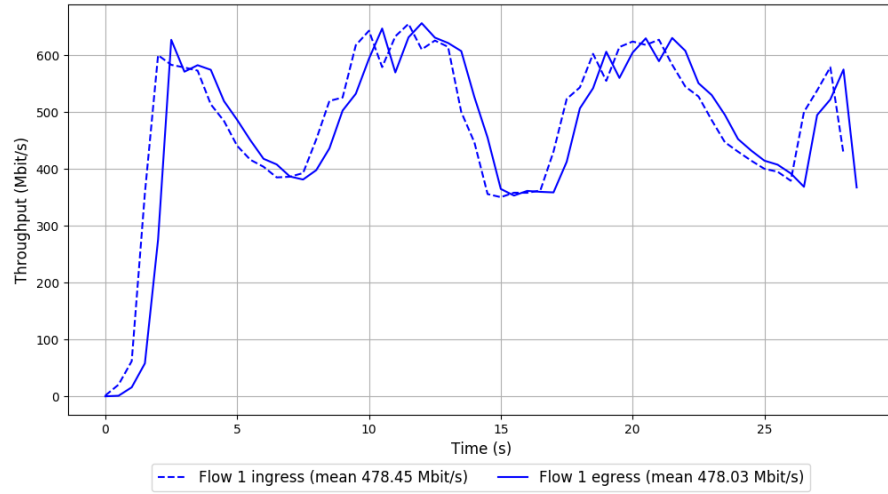


Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 15:06:57
End at: 2019-05-30 15:07:27
Local clock offset: -0.298 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-05-30 18:21:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 478.03 Mbit/s
95th percentile per-packet one-way delay: 79.767 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 478.03 Mbit/s
95th percentile per-packet one-way delay: 79.767 ms
Loss rate: 0.52%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 15:37:38

End at: 2019-05-30 15:38:08

Local clock offset: 0.017 ms

Remote clock offset: -0.294 ms

Below is generated by plot.py at 2019-05-30 18:21:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.26 Mbit/s

95th percentile per-packet one-way delay: 83.726 ms

Loss rate: 0.56%

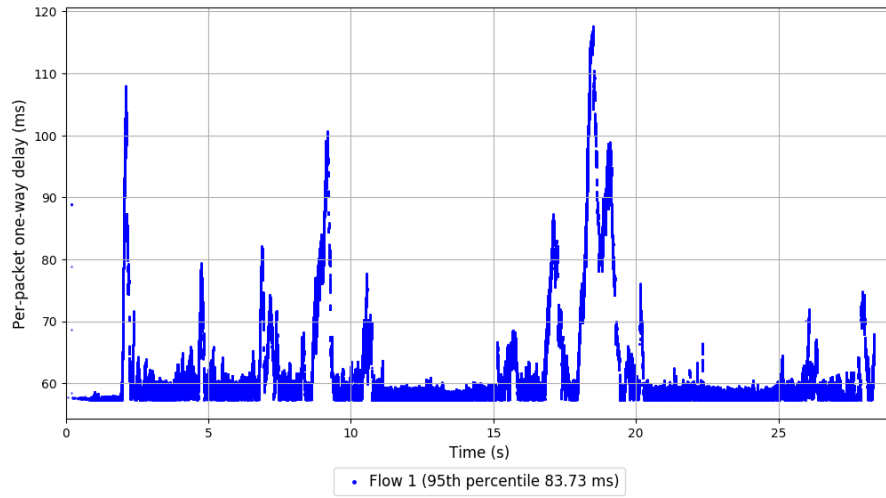
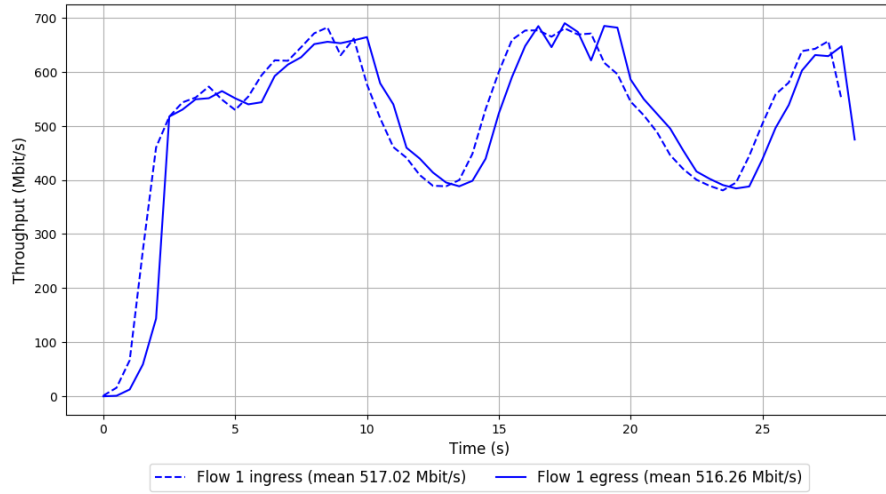
-- Flow 1:

Average throughput: 516.26 Mbit/s

95th percentile per-packet one-way delay: 83.726 ms

Loss rate: 0.56%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 16:08:14

End at: 2019-05-30 16:08:44

Local clock offset: -0.036 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-05-30 18:22:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.28 Mbit/s

95th percentile per-packet one-way delay: 73.062 ms

Loss rate: 0.55%

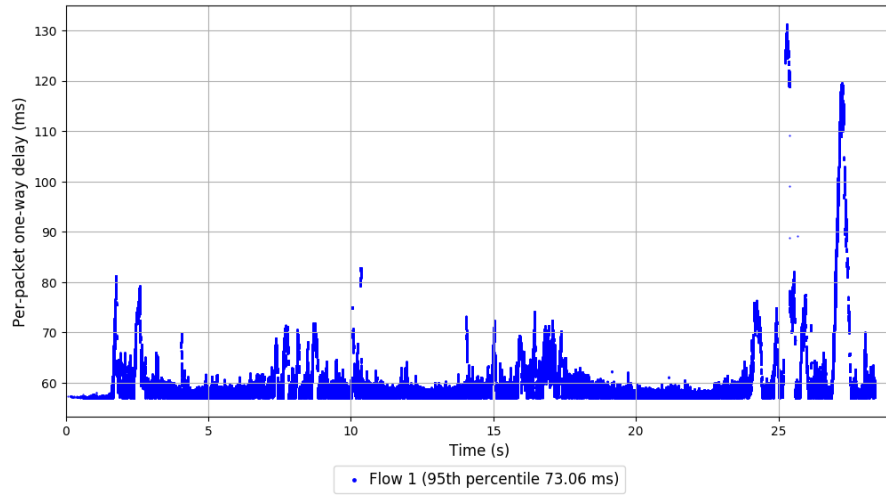
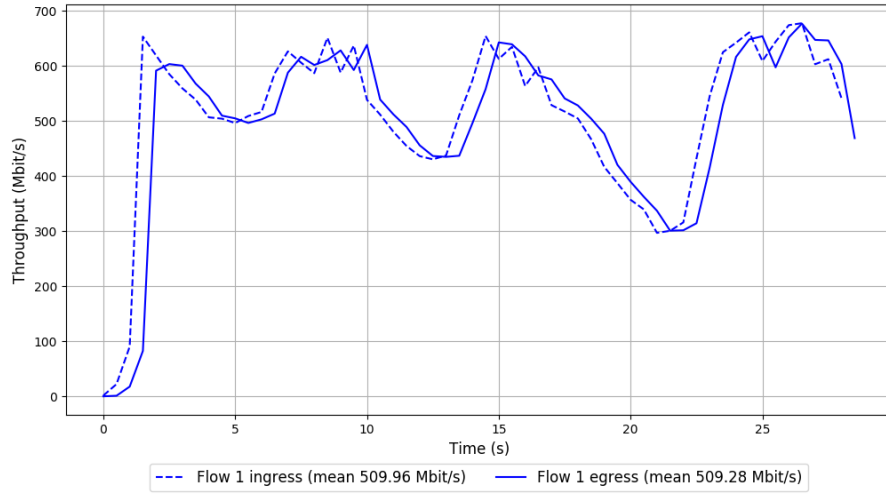
-- Flow 1:

Average throughput: 509.28 Mbit/s

95th percentile per-packet one-way delay: 73.062 ms

Loss rate: 0.55%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 16:38:53

End at: 2019-05-30 16:39:23

Local clock offset: -0.096 ms

Remote clock offset: -0.275 ms

Below is generated by plot.py at 2019-05-30 18:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.35 Mbit/s

95th percentile per-packet one-way delay: 90.878 ms

Loss rate: 0.39%

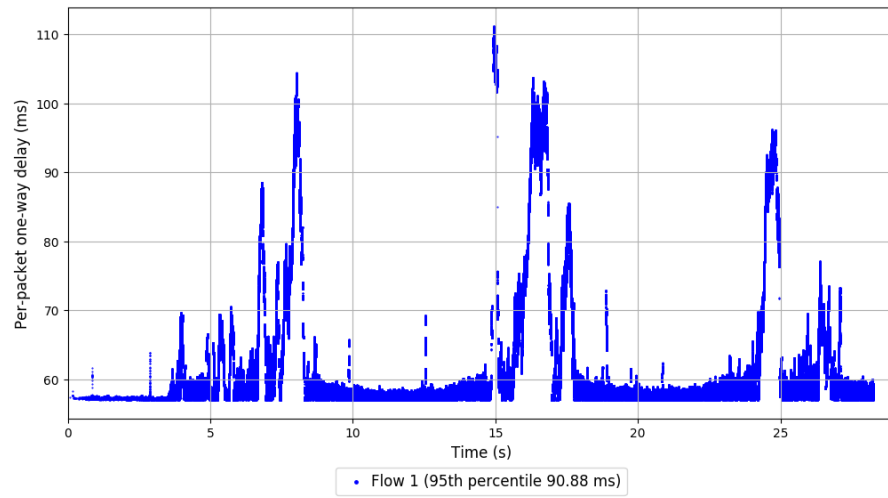
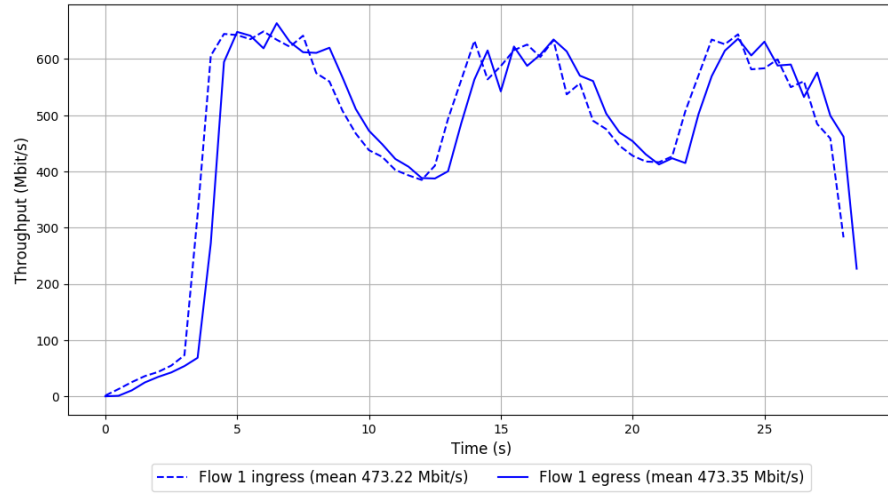
-- Flow 1:

Average throughput: 473.35 Mbit/s

95th percentile per-packet one-way delay: 90.878 ms

Loss rate: 0.39%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-30 14:34:57

End at: 2019-05-30 14:35:27

Local clock offset: 0.026 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2019-05-30 18:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.33 Mbit/s

95th percentile per-packet one-way delay: 84.883 ms

Loss rate: 0.55%

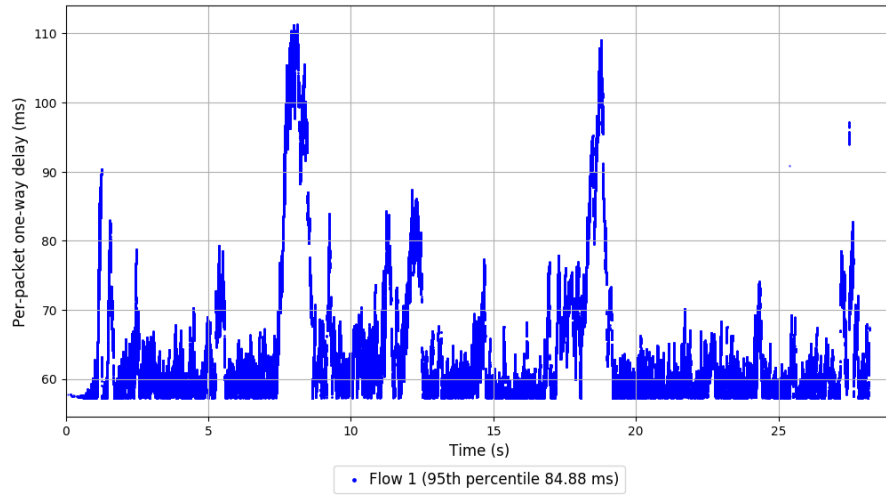
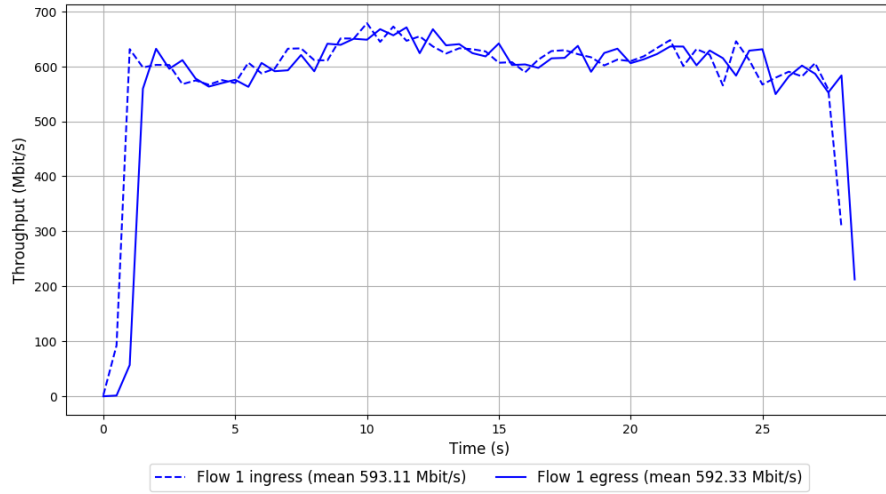
-- Flow 1:

Average throughput: 592.33 Mbit/s

95th percentile per-packet one-way delay: 84.883 ms

Loss rate: 0.55%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-30 15:05:23

End at: 2019-05-30 15:05:53

Local clock offset: -0.367 ms

Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-05-30 18:30:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.37 Mbit/s

95th percentile per-packet one-way delay: 79.760 ms

Loss rate: 0.50%

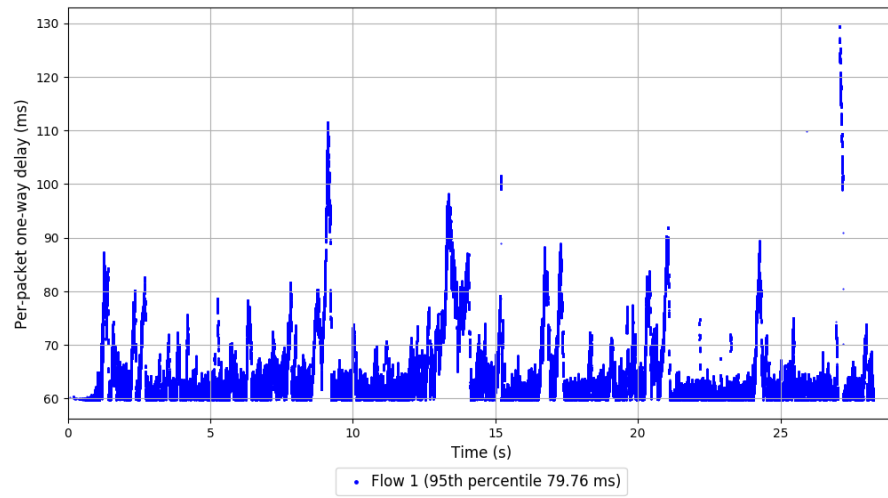
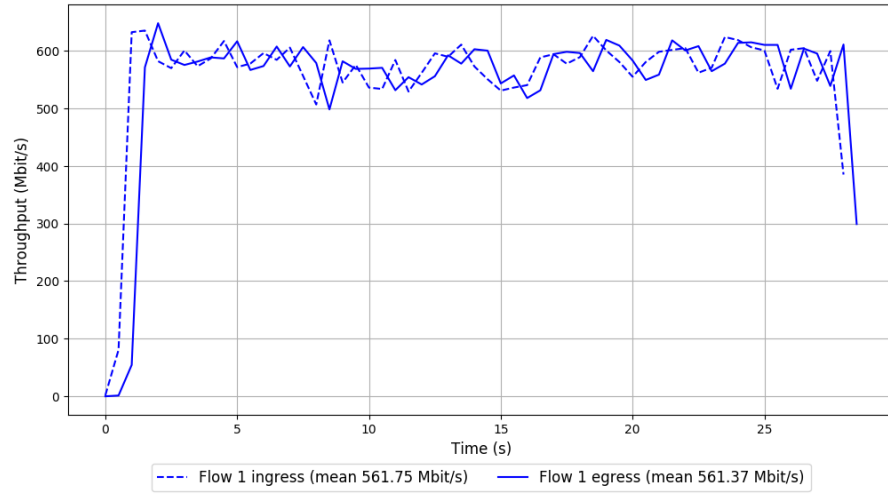
-- Flow 1:

Average throughput: 561.37 Mbit/s

95th percentile per-packet one-way delay: 79.760 ms

Loss rate: 0.50%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-30 15:36:01

End at: 2019-05-30 15:36:31

Local clock offset: -0.16 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-05-30 18:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 605.45 Mbit/s

95th percentile per-packet one-way delay: 121.378 ms

Loss rate: 0.44%

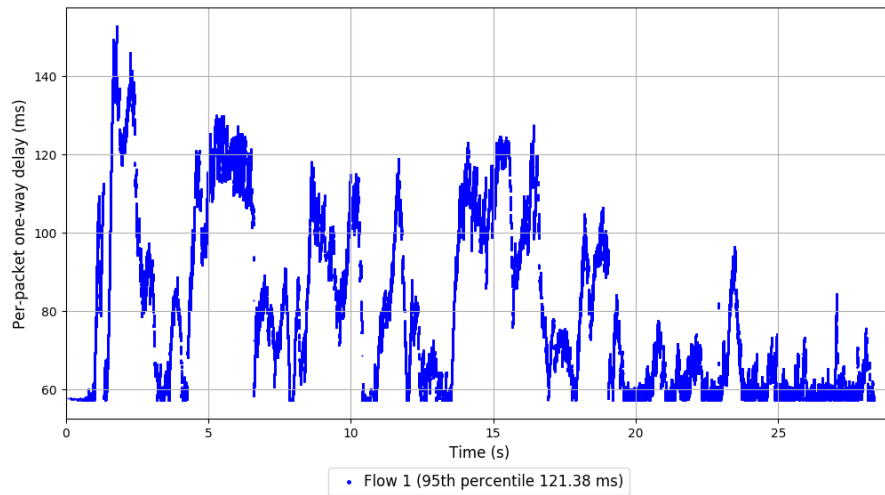
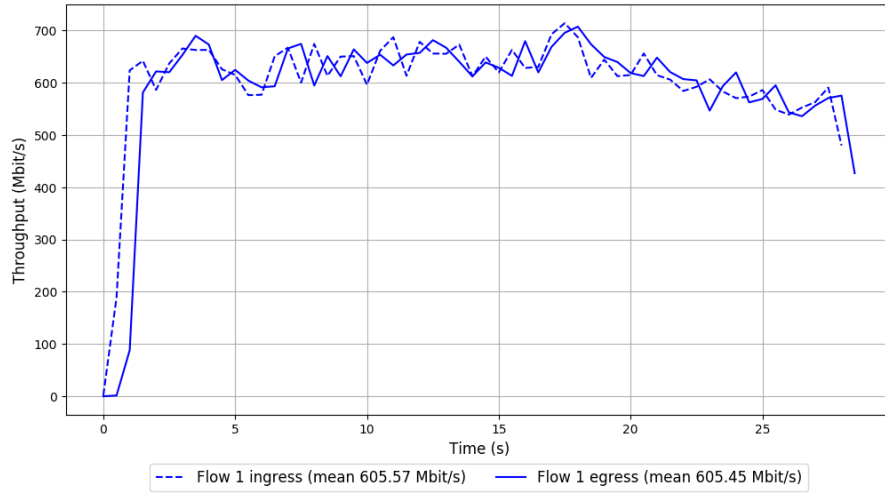
-- Flow 1:

Average throughput: 605.45 Mbit/s

95th percentile per-packet one-way delay: 121.378 ms

Loss rate: 0.44%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-30 16:06:37

End at: 2019-05-30 16:07:07

Local clock offset: -0.127 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2019-05-30 18:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.23 Mbit/s

95th percentile per-packet one-way delay: 128.853 ms

Loss rate: 0.61%

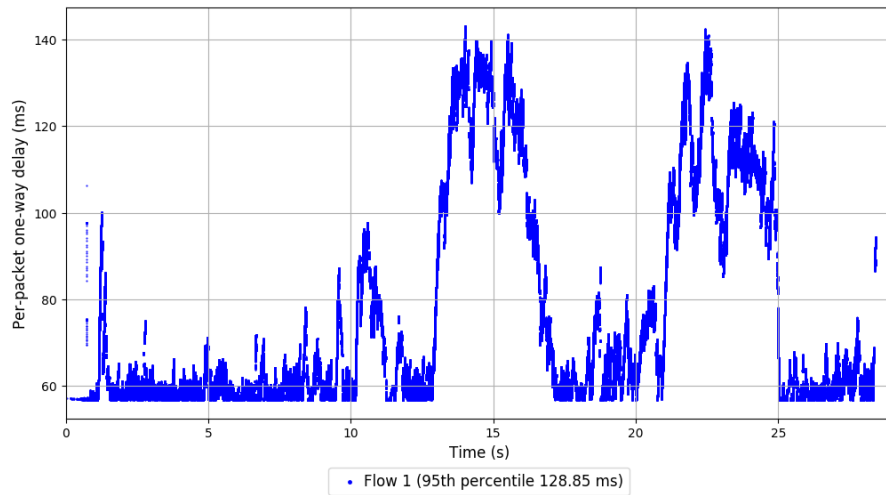
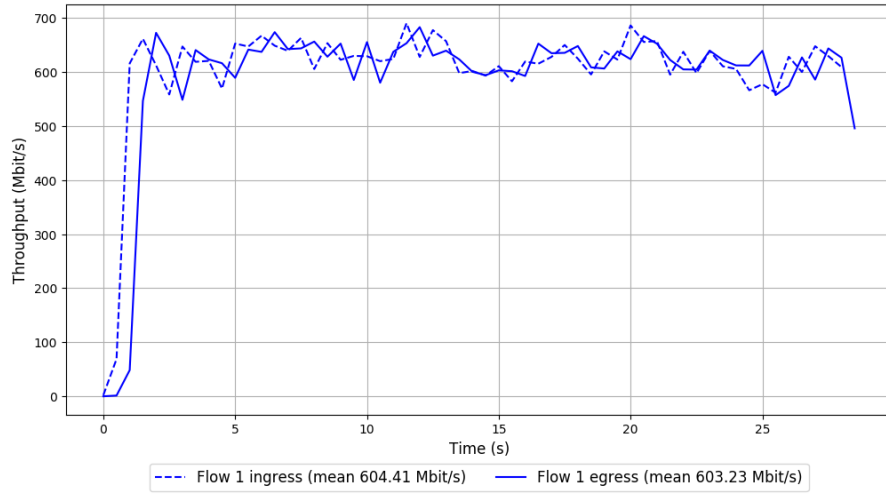
-- Flow 1:

Average throughput: 603.23 Mbit/s

95th percentile per-packet one-way delay: 128.853 ms

Loss rate: 0.61%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-30 16:37:17

End at: 2019-05-30 16:37:47

Local clock offset: -0.08 ms

Remote clock offset: -0.157 ms

Below is generated by plot.py at 2019-05-30 18:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.32 Mbit/s

95th percentile per-packet one-way delay: 122.095 ms

Loss rate: 0.51%

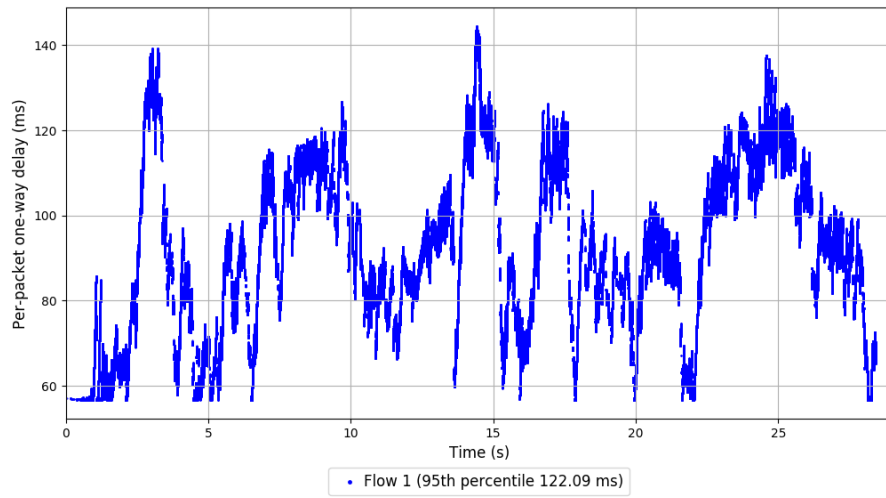
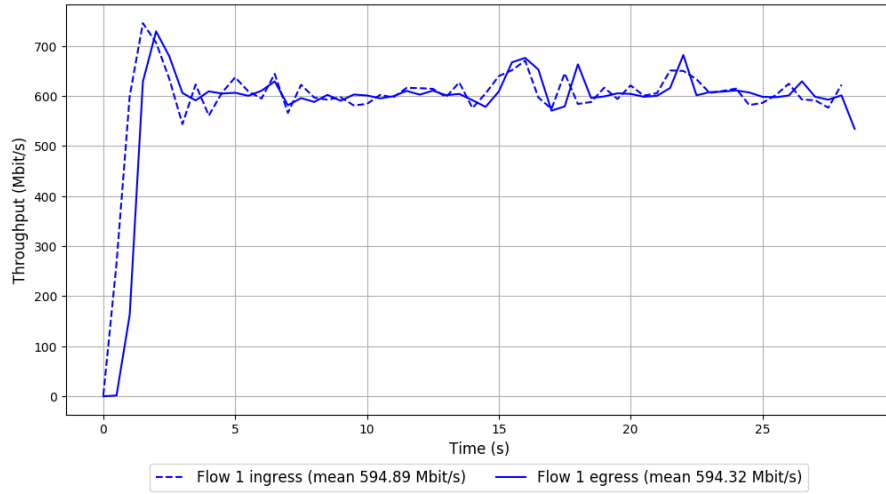
-- Flow 1:

Average throughput: 594.32 Mbit/s

95th percentile per-packet one-way delay: 122.095 ms

Loss rate: 0.51%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-05-30 14:40:53

End at: 2019-05-30 14:41:23

Local clock offset: 0.191 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2019-05-30 18:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.17 Mbit/s

95th percentile per-packet one-way delay: 58.655 ms

Loss rate: 0.76%

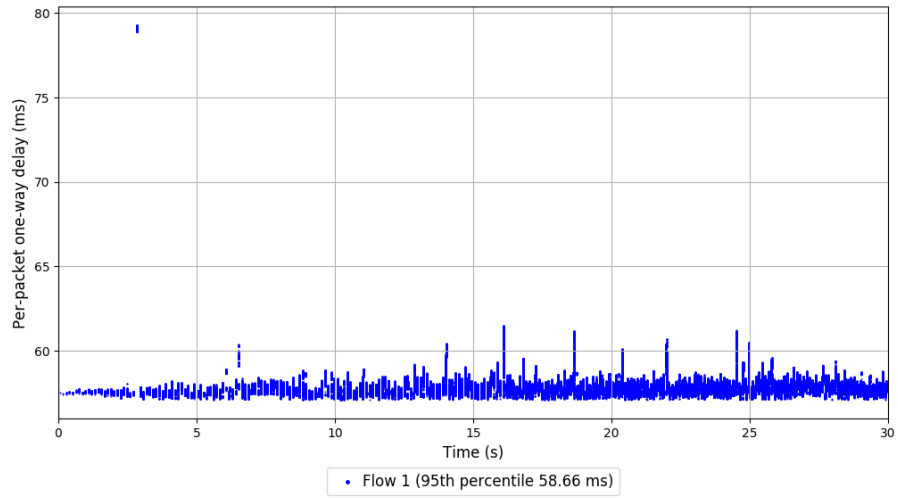
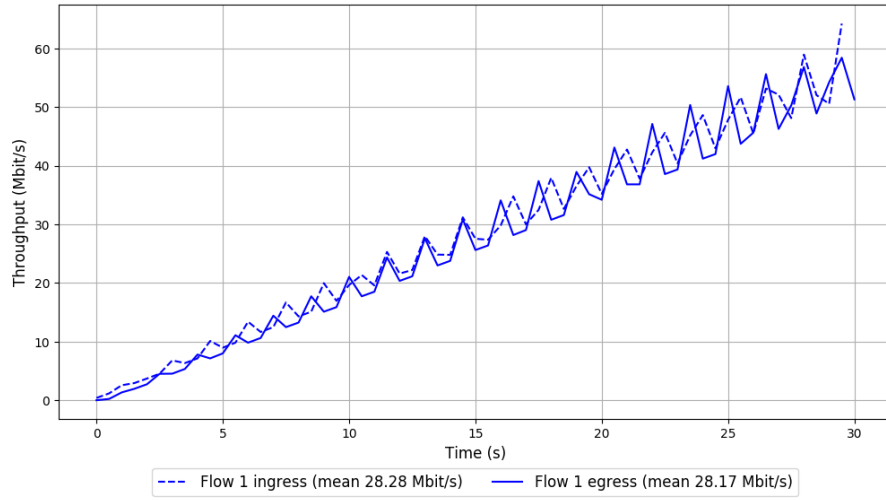
-- Flow 1:

Average throughput: 28.17 Mbit/s

95th percentile per-packet one-way delay: 58.655 ms

Loss rate: 0.76%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-05-30 15:11:16

End at: 2019-05-30 15:11:46

Local clock offset: -0.335 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2019-05-30 18:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.67 Mbit/s

95th percentile per-packet one-way delay: 61.600 ms

Loss rate: 0.78%

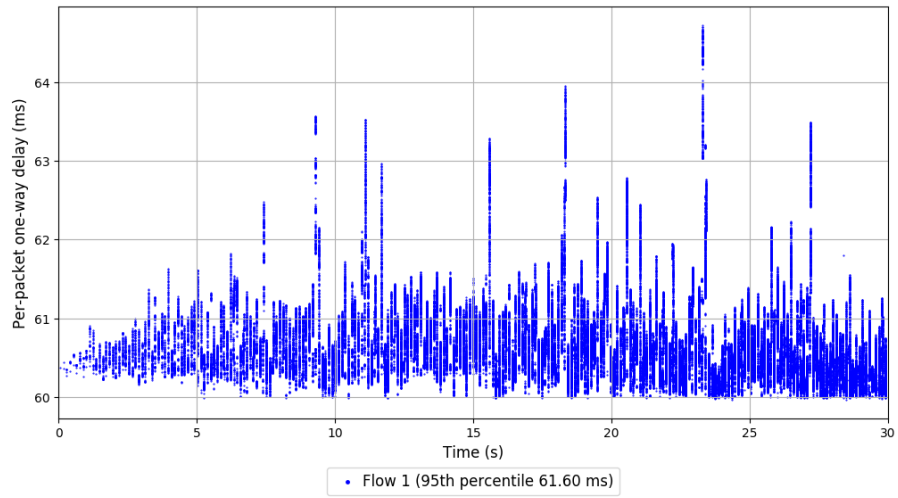
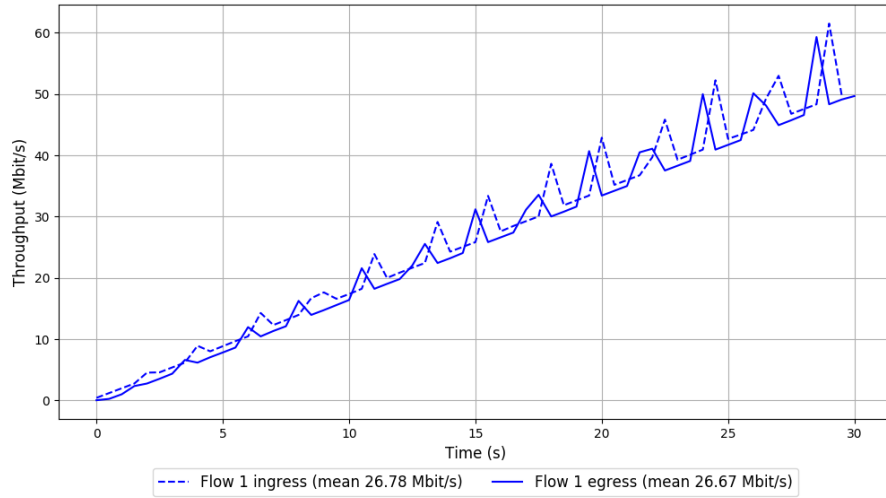
-- Flow 1:

Average throughput: 26.67 Mbit/s

95th percentile per-packet one-way delay: 61.600 ms

Loss rate: 0.78%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-05-30 15:41:58

End at: 2019-05-30 15:42:28

Local clock offset: -0.6 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2019-05-30 18:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.65 Mbit/s

95th percentile per-packet one-way delay: 61.589 ms

Loss rate: 0.78%

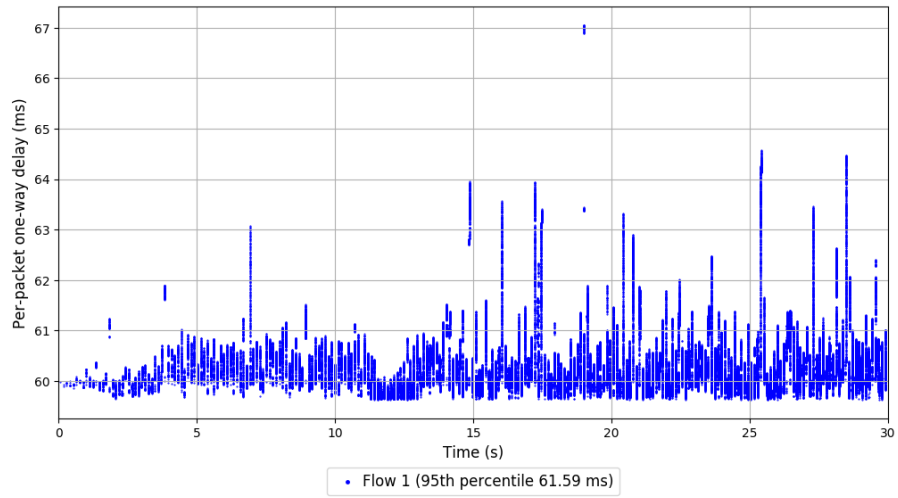
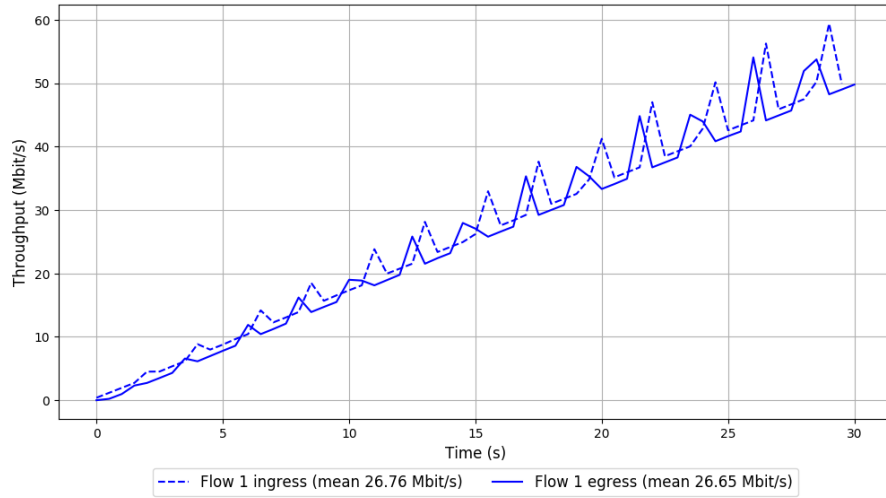
-- Flow 1:

Average throughput: 26.65 Mbit/s

95th percentile per-packet one-way delay: 61.589 ms

Loss rate: 0.78%

Run 3: Report of LEDBAT — Data Link

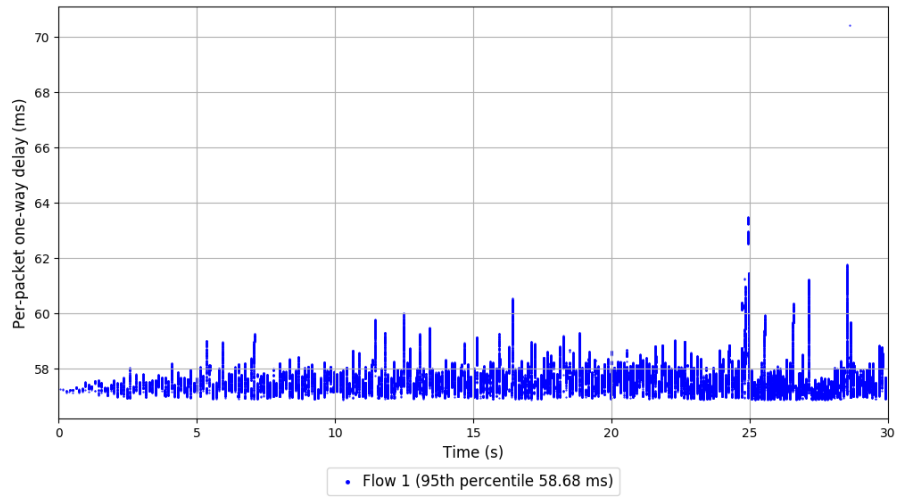
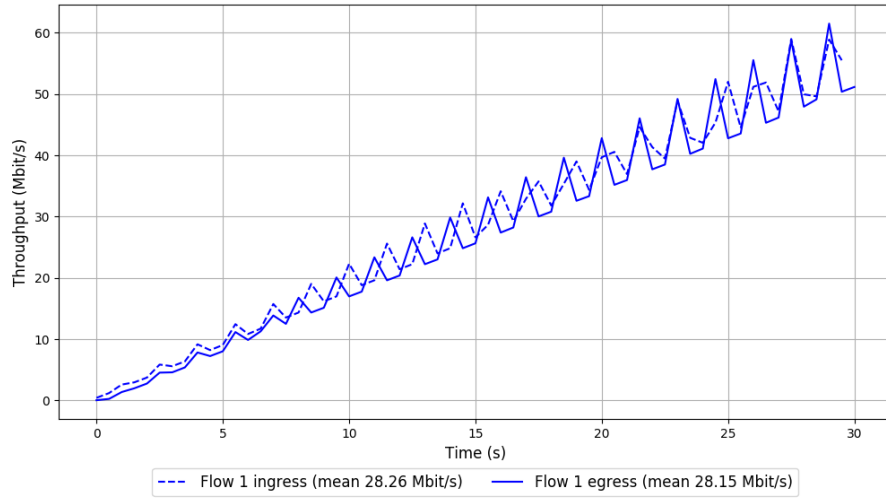


Run 4: Statistics of LEDBAT

Start at: 2019-05-30 16:12:35
End at: 2019-05-30 16:13:05
Local clock offset: -0.044 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-05-30 18:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 58.681 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 58.681 ms
Loss rate: 0.76%

Run 4: Report of LEDBAT — Data Link

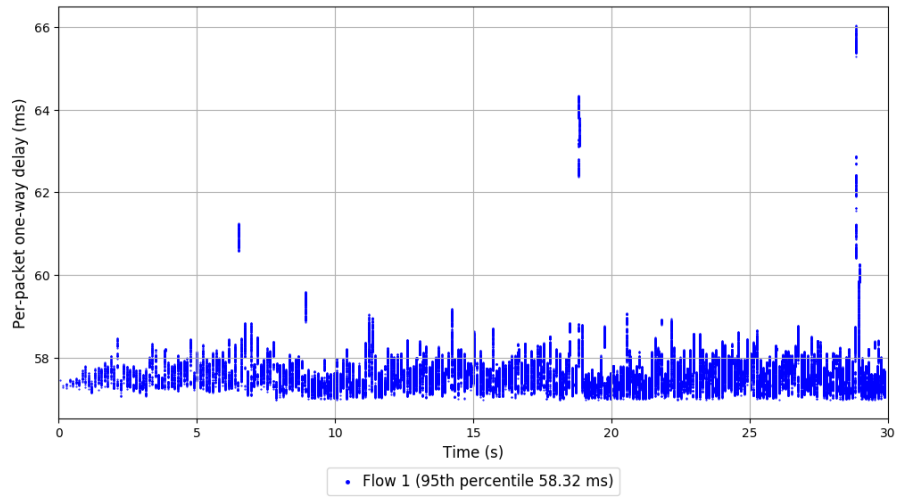
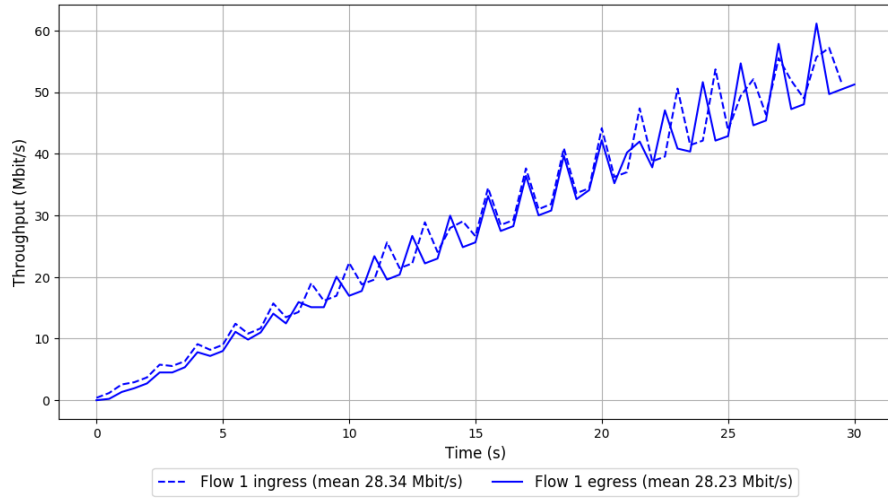


Run 5: Statistics of LEDBAT

Start at: 2019-05-30 16:43:11
End at: 2019-05-30 16:43:41
Local clock offset: -0.015 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-05-30 18:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 58.321 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 58.321 ms
Loss rate: 0.76%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 14:54:12

End at: 2019-05-30 14:54:42

Local clock offset: -0.572 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-05-30 18:37:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.01 Mbit/s

95th percentile per-packet one-way delay: 98.795 ms

Loss rate: 0.77%

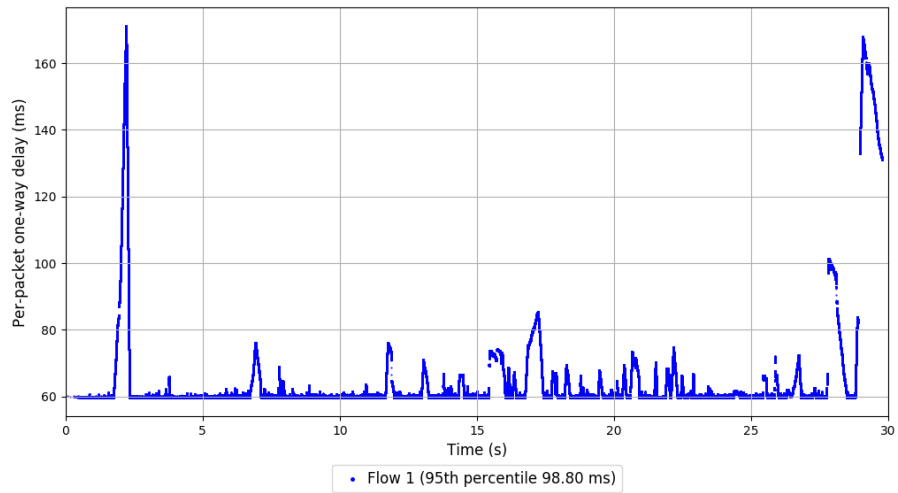
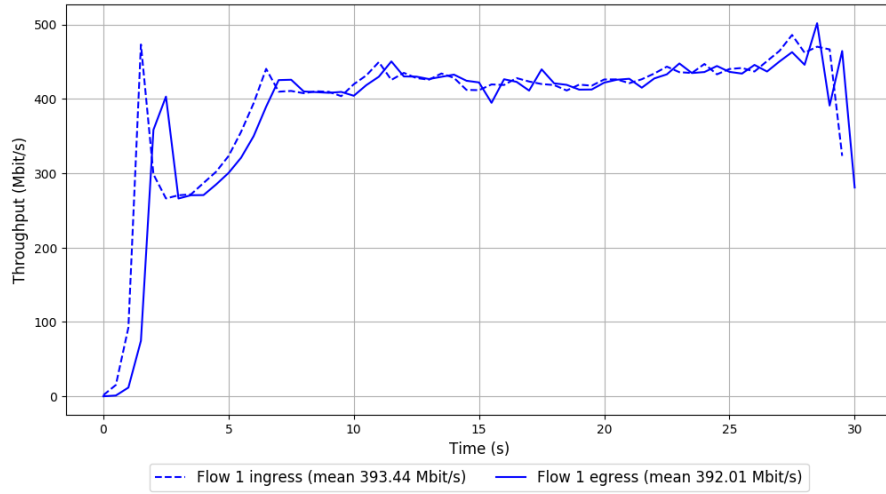
-- Flow 1:

Average throughput: 392.01 Mbit/s

95th percentile per-packet one-way delay: 98.795 ms

Loss rate: 0.77%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 15:24:46

End at: 2019-05-30 15:25:16

Local clock offset: -0.091 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2019-05-30 18:37:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.61 Mbit/s

95th percentile per-packet one-way delay: 80.030 ms

Loss rate: 0.77%

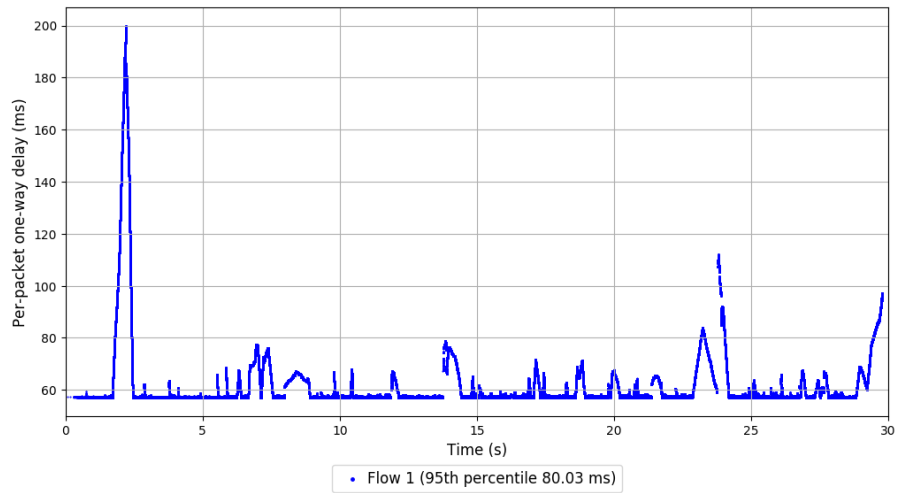
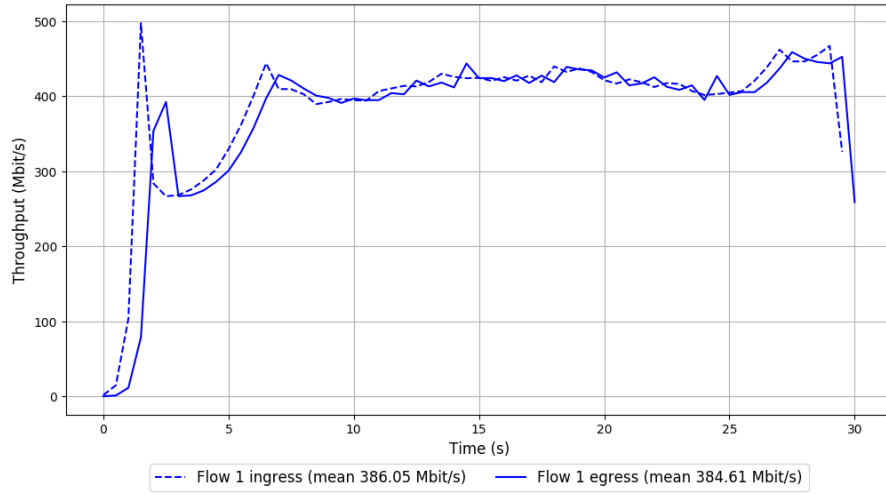
-- Flow 1:

Average throughput: 384.61 Mbit/s

95th percentile per-packet one-way delay: 80.030 ms

Loss rate: 0.77%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 15:55:30
End at: 2019-05-30 15:56:00
Local clock offset: -0.071 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-05-30 18:38:28

Datalink statistics

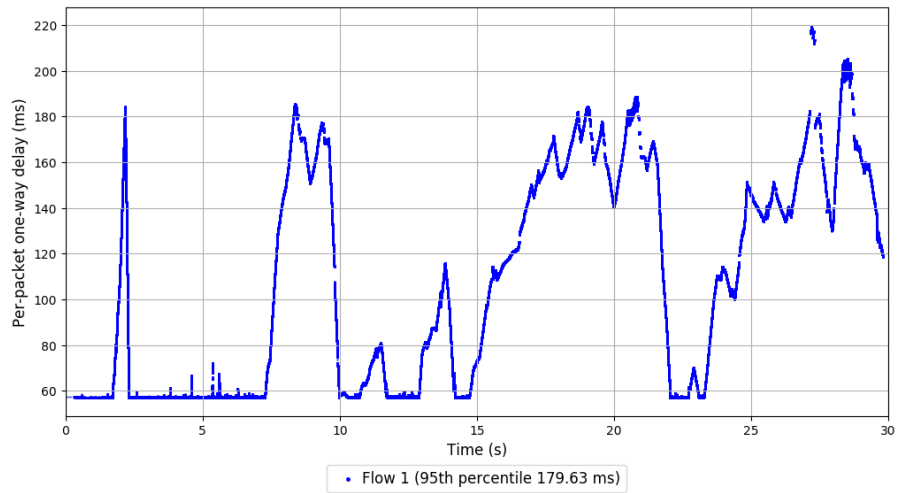
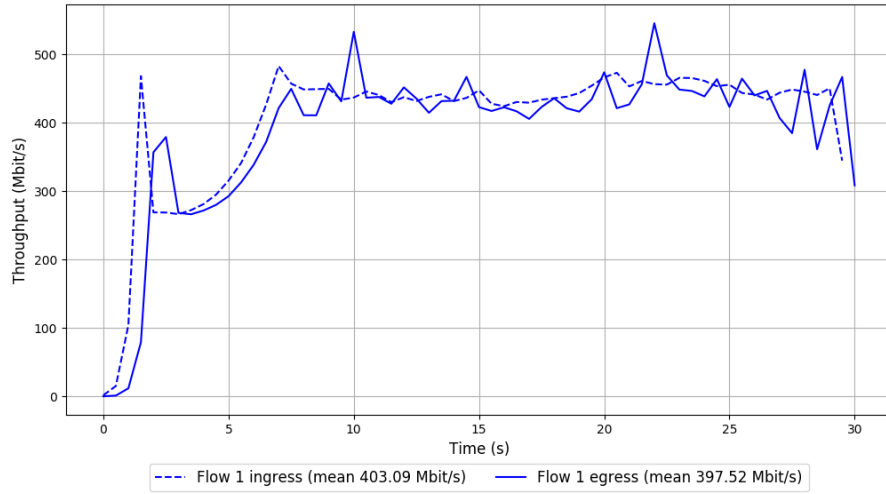
-- Total of 1 flow:

Average throughput: 397.52 Mbit/s
95th percentile per-packet one-way delay: 179.635 ms
Loss rate: 1.77%

-- Flow 1:

Average throughput: 397.52 Mbit/s
95th percentile per-packet one-way delay: 179.635 ms
Loss rate: 1.77%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 16:26:10

End at: 2019-05-30 16:26:40

Local clock offset: -0.126 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-05-30 18:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.42 Mbit/s

95th percentile per-packet one-way delay: 180.856 ms

Loss rate: 3.06%

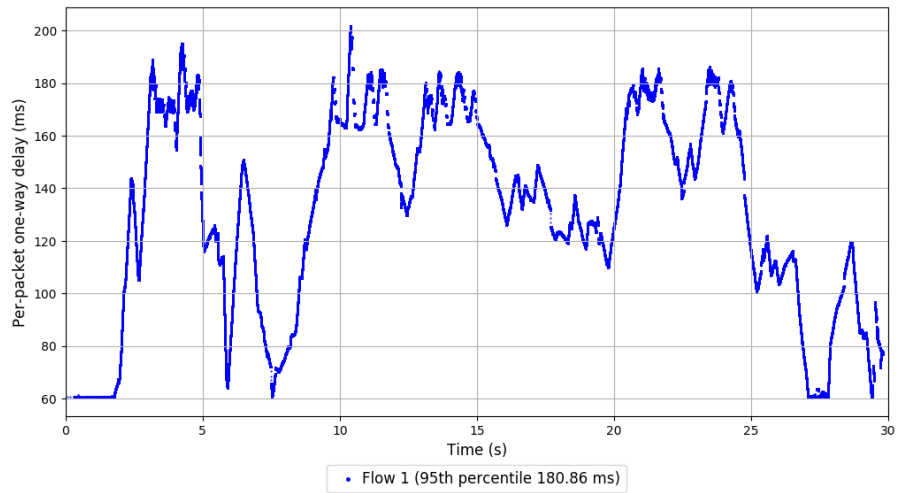
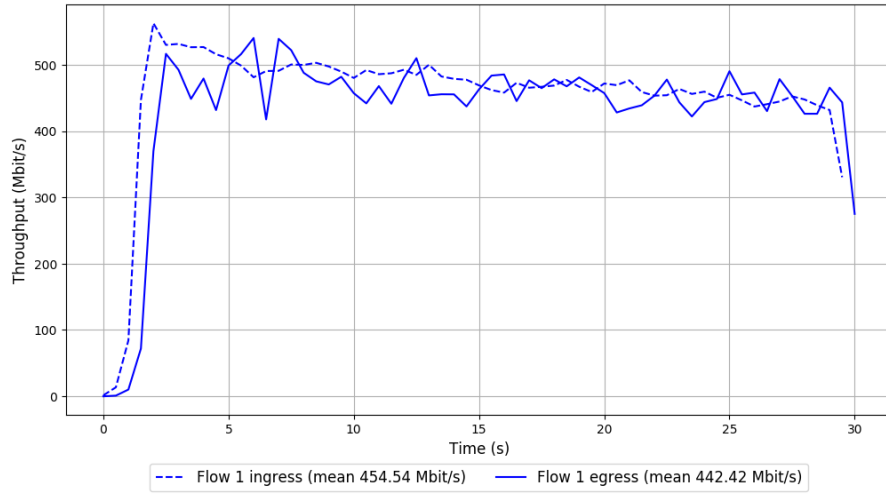
-- Flow 1:

Average throughput: 442.42 Mbit/s

95th percentile per-packet one-way delay: 180.856 ms

Loss rate: 3.06%

Run 4: Report of PCC-Allegro — Data Link

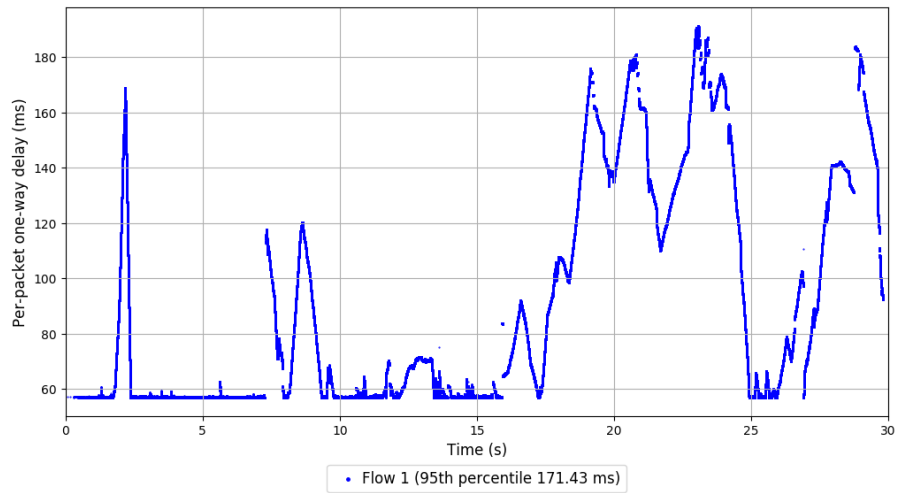
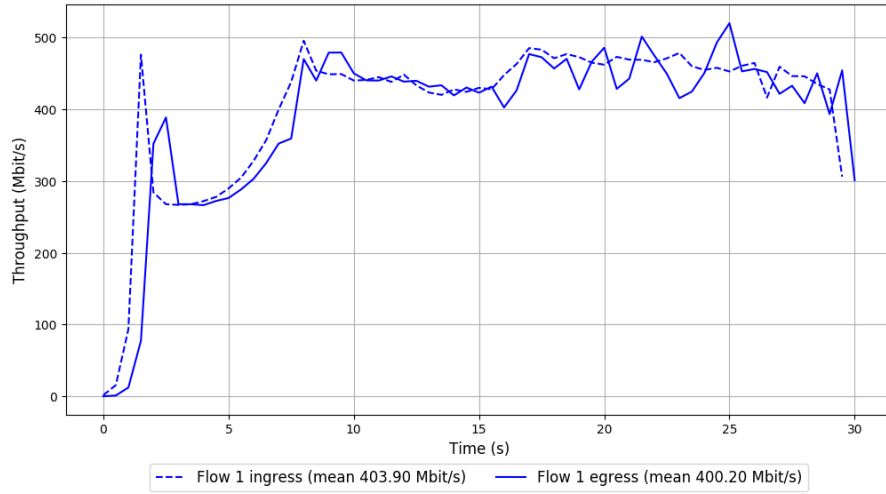


Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 16:56:40
End at: 2019-05-30 16:57:10
Local clock offset: -0.083 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2019-05-30 18:45:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.20 Mbit/s
95th percentile per-packet one-way delay: 171.433 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 400.20 Mbit/s
95th percentile per-packet one-way delay: 171.433 ms
Loss rate: 1.31%

Run 5: Report of PCC-Allegro — Data Link

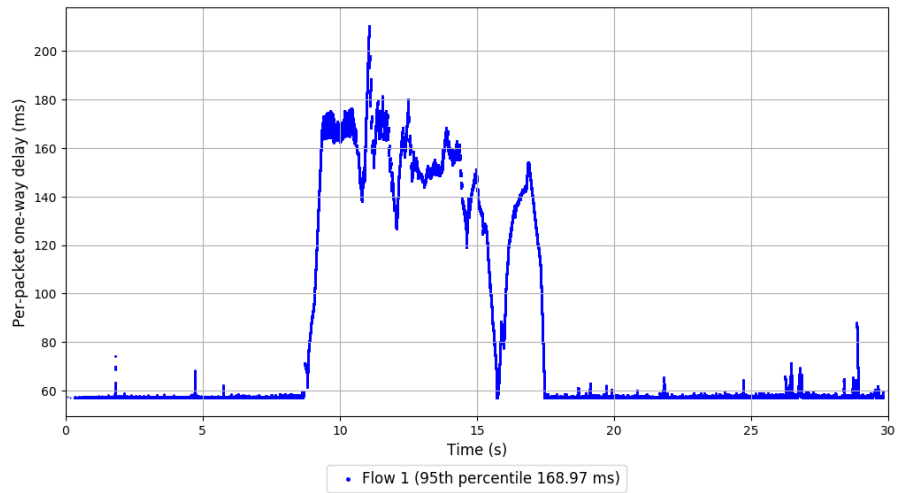
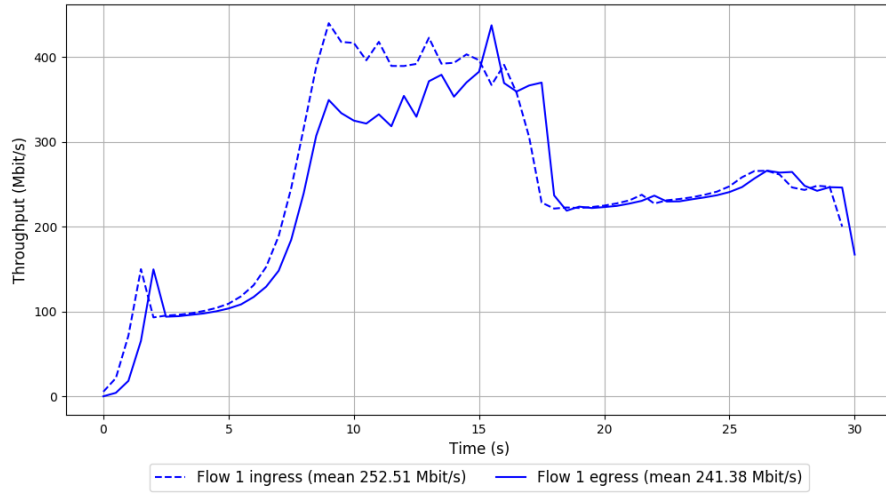


Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 14:51:11
End at: 2019-05-30 14:51:41
Local clock offset: 0.021 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2019-05-30 18:45:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.38 Mbit/s
95th percentile per-packet one-way delay: 168.970 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 241.38 Mbit/s
95th percentile per-packet one-way delay: 168.970 ms
Loss rate: 4.80%

Run 1: Report of PCC-Expr — Data Link

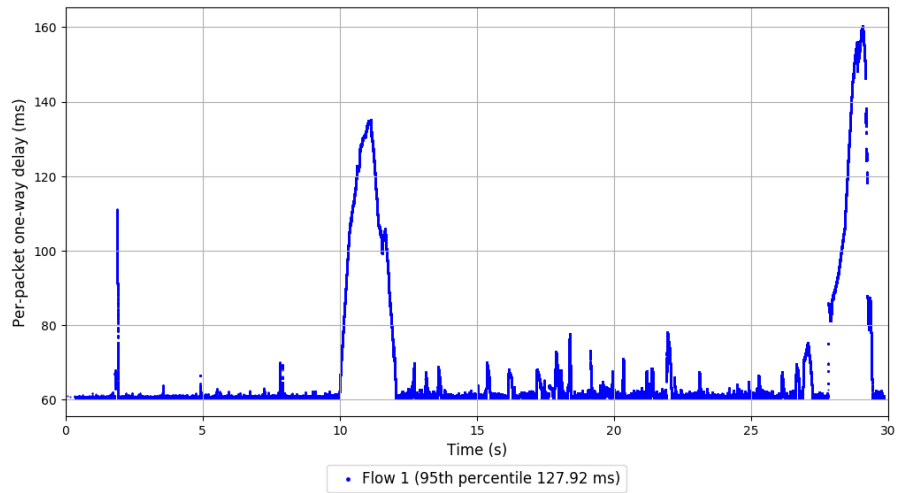
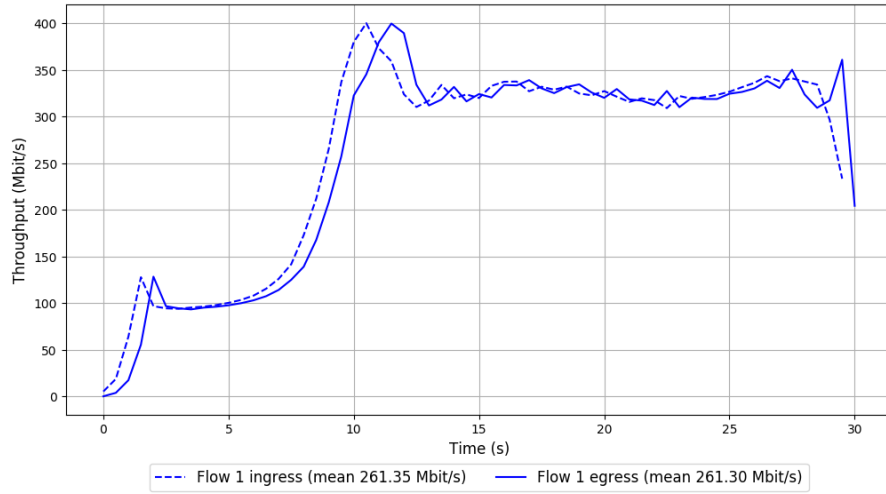


Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 15:21:38
End at: 2019-05-30 15:22:08
Local clock offset: -0.175 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-05-30 18:45:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.30 Mbit/s
95th percentile per-packet one-way delay: 127.924 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 261.30 Mbit/s
95th percentile per-packet one-way delay: 127.924 ms
Loss rate: 0.43%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 15:52:21

End at: 2019-05-30 15:52:51

Local clock offset: 0.018 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2019-05-30 18:45:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.39 Mbit/s

95th percentile per-packet one-way delay: 104.182 ms

Loss rate: 0.44%

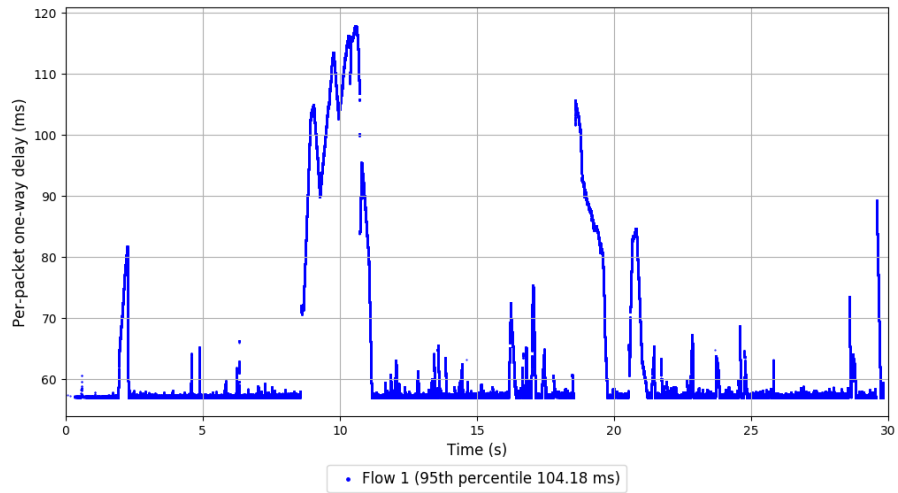
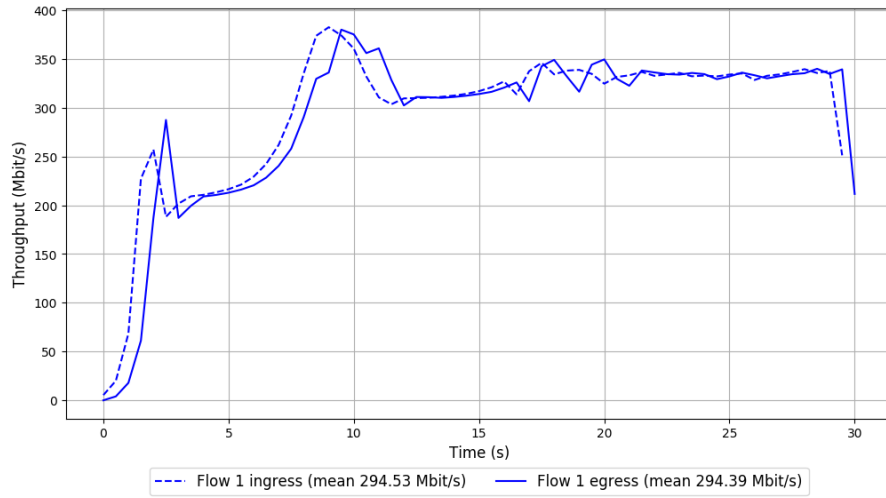
-- Flow 1:

Average throughput: 294.39 Mbit/s

95th percentile per-packet one-way delay: 104.182 ms

Loss rate: 0.44%

Run 3: Report of PCC-Expr — Data Link

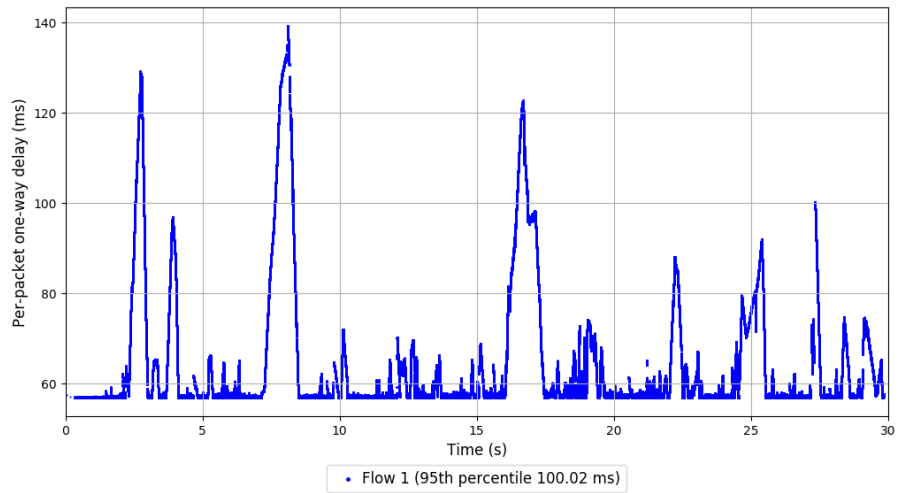
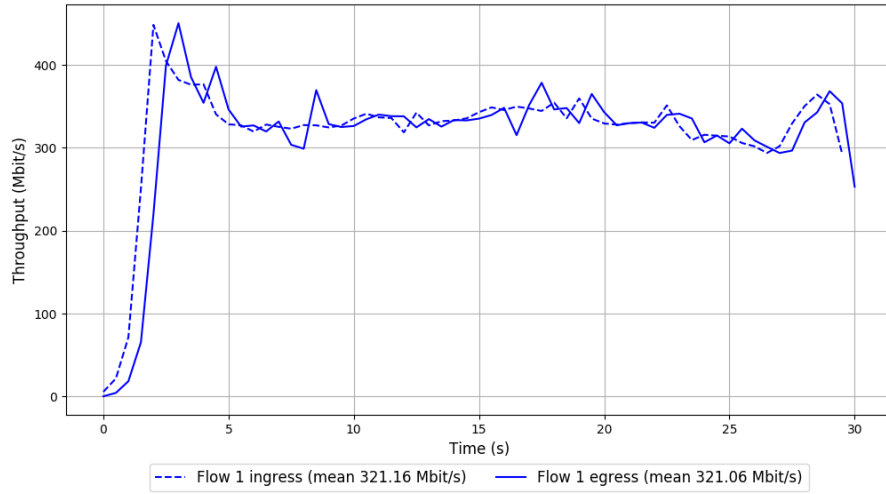


Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 16:22:57
End at: 2019-05-30 16:23:27
Local clock offset: -0.304 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2019-05-30 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.06 Mbit/s
95th percentile per-packet one-way delay: 100.021 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 321.06 Mbit/s
95th percentile per-packet one-way delay: 100.021 ms
Loss rate: 0.43%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 16:53:35

End at: 2019-05-30 16:54:05

Local clock offset: 0.146 ms

Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.93 Mbit/s

95th percentile per-packet one-way delay: 214.801 ms

Loss rate: 5.99%

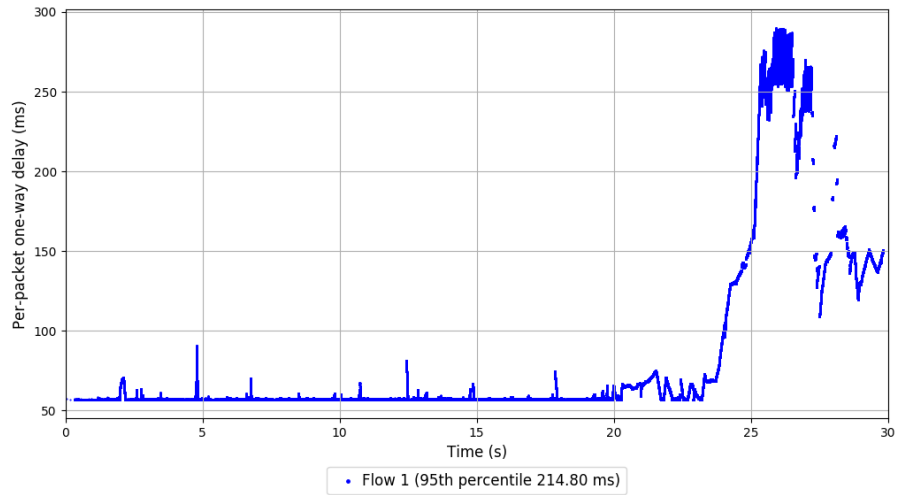
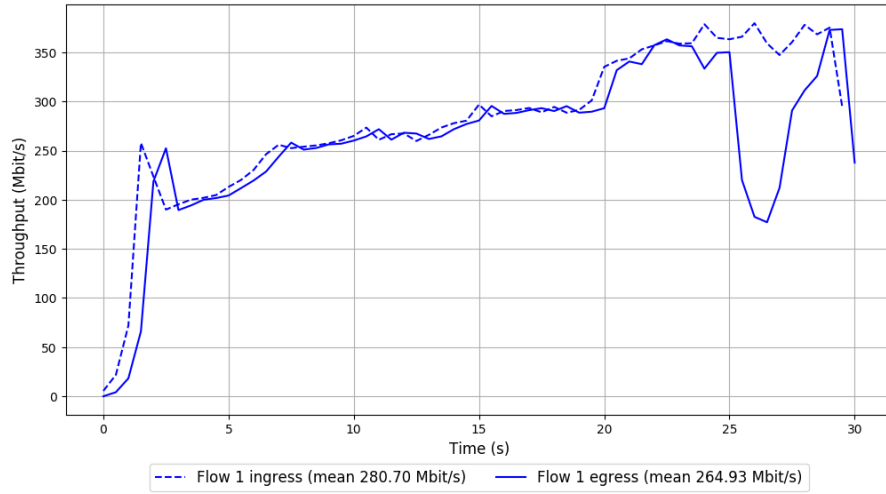
-- Flow 1:

Average throughput: 264.93 Mbit/s

95th percentile per-packet one-way delay: 214.801 ms

Loss rate: 5.99%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-05-30 14:39:41

End at: 2019-05-30 14:40:11

Local clock offset: 0.249 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 57.598 ms

Loss rate: 0.66%

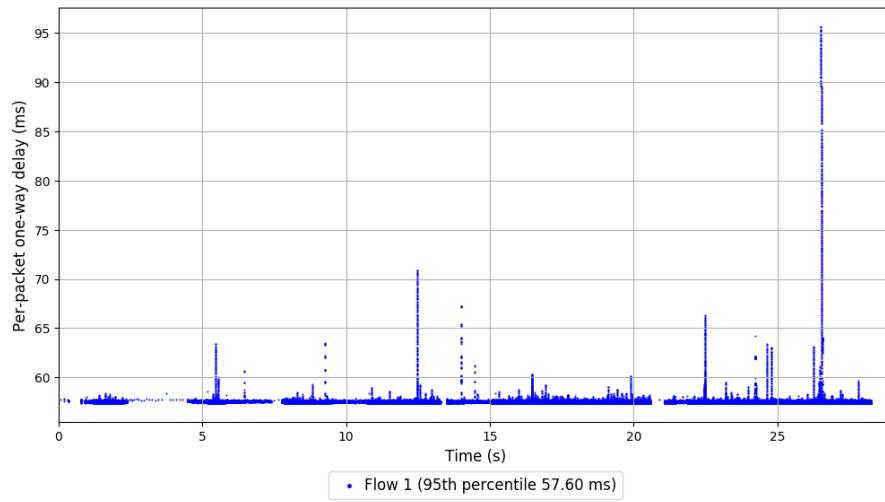
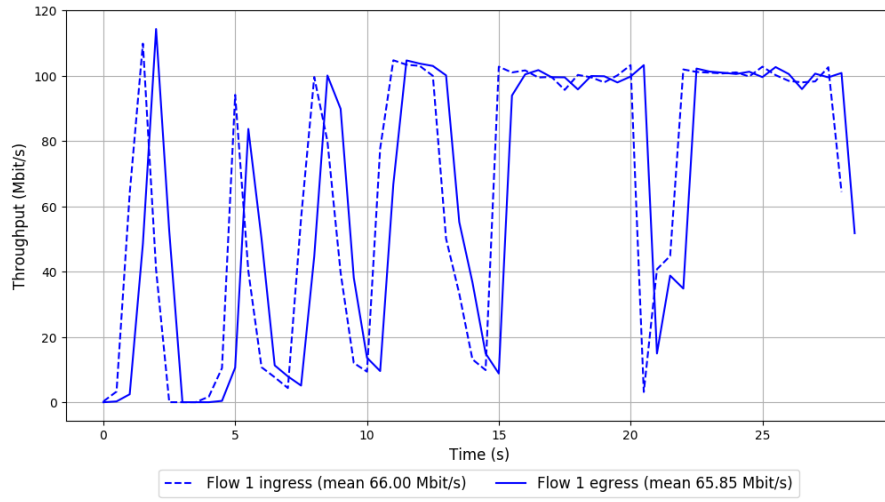
-- Flow 1:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 57.598 ms

Loss rate: 0.66%

Run 1: Report of QUIC Cubic — Data Link

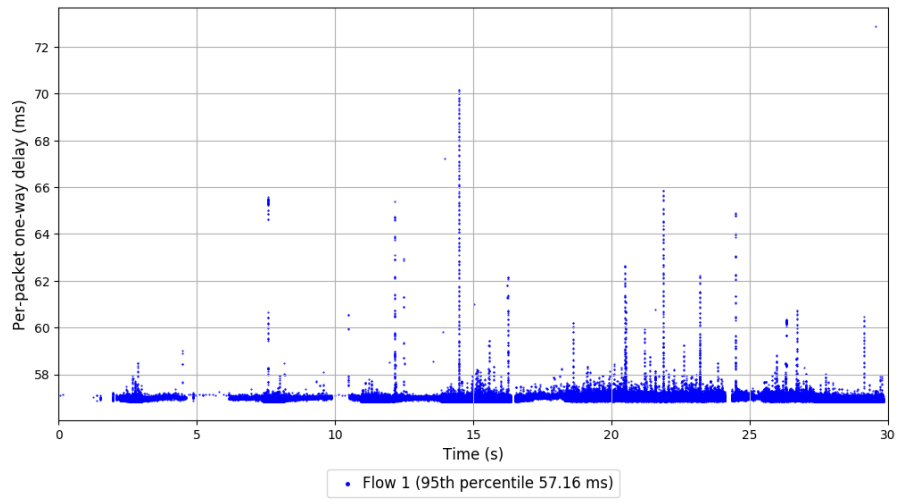
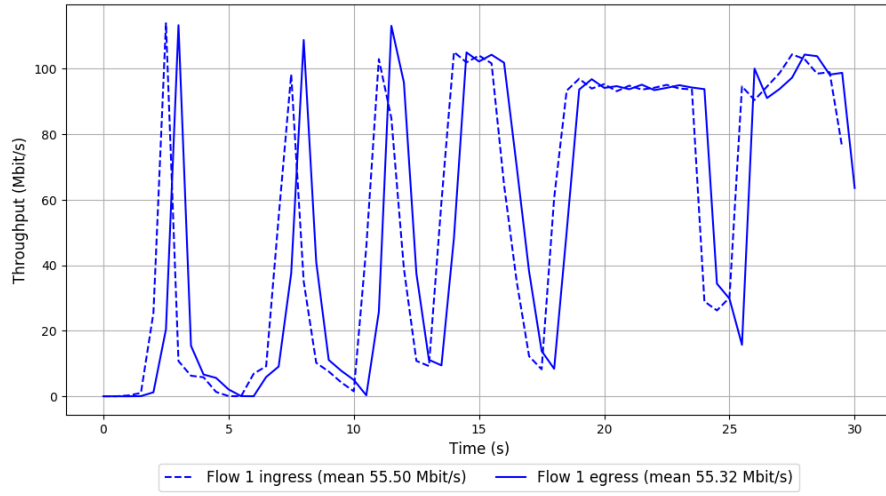


Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 15:10:05
End at: 2019-05-30 15:10:35
Local clock offset: -0.348 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2019-05-30 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 57.156 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 57.156 ms
Loss rate: 0.72%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 15:40:47

End at: 2019-05-30 15:41:17

Local clock offset: -0.151 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 56.871 ms

Loss rate: 0.63%

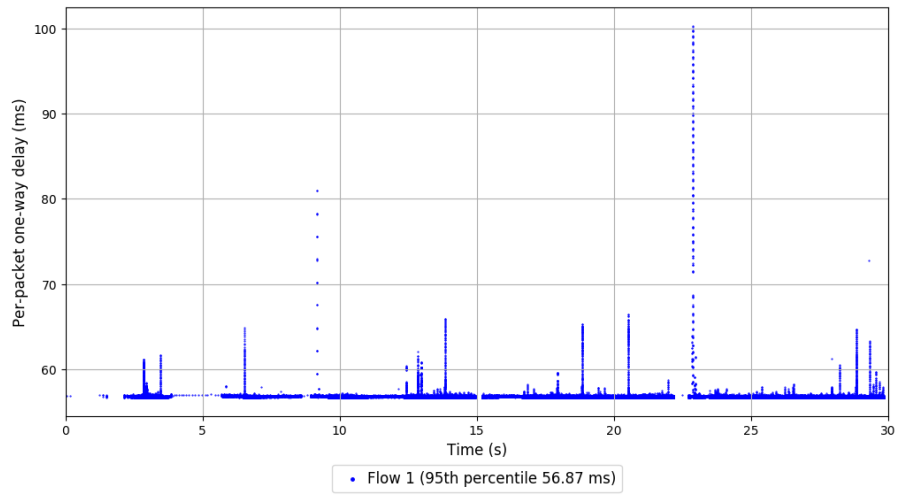
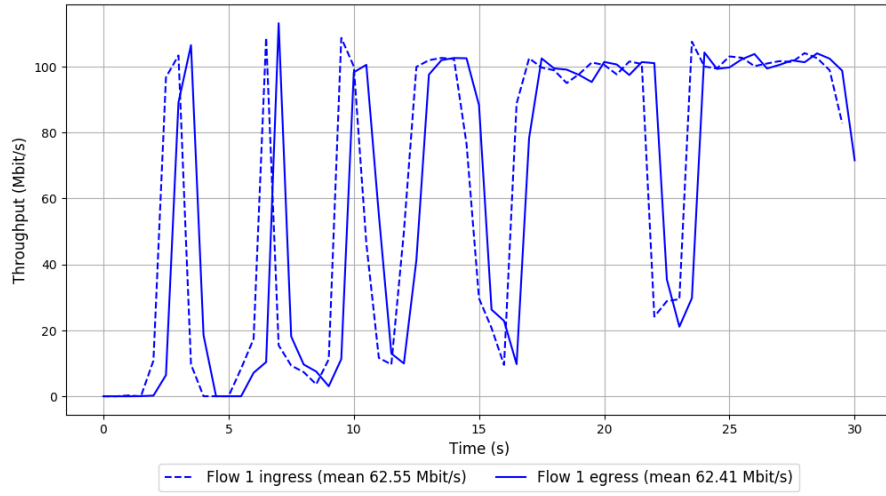
-- Flow 1:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 56.871 ms

Loss rate: 0.63%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 16:11:23

End at: 2019-05-30 16:11:53

Local clock offset: -0.279 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 57.083 ms

Loss rate: 0.65%

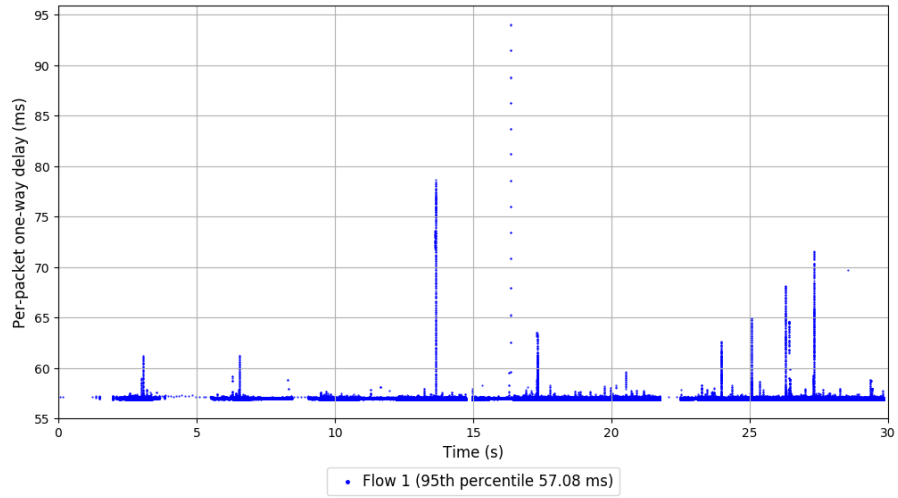
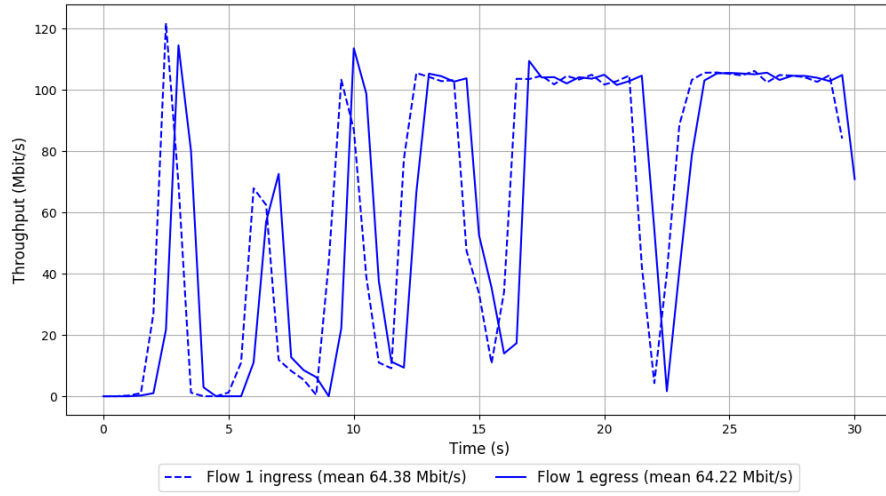
-- Flow 1:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 57.083 ms

Loss rate: 0.65%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 16:41:59

End at: 2019-05-30 16:42:29

Local clock offset: -0.319 ms

Remote clock offset: -0.178 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.56 Mbit/s

95th percentile per-packet one-way delay: 56.860 ms

Loss rate: 0.59%

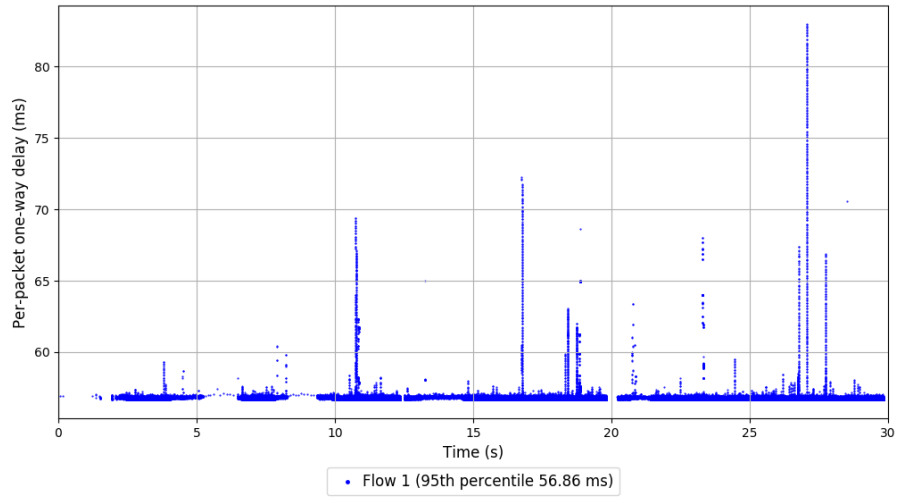
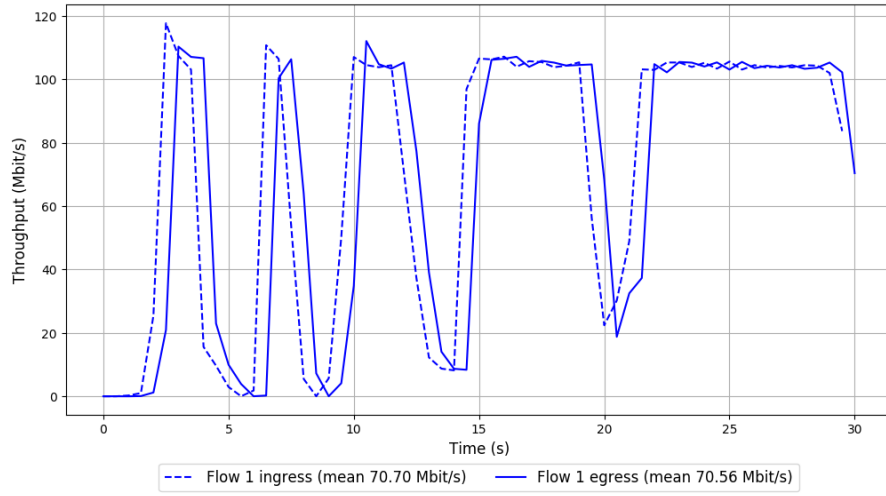
-- Flow 1:

Average throughput: 70.56 Mbit/s

95th percentile per-packet one-way delay: 56.860 ms

Loss rate: 0.59%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-05-30 14:50:03

End at: 2019-05-30 14:50:33

Local clock offset: 0.042 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.430 ms

Loss rate: 0.39%

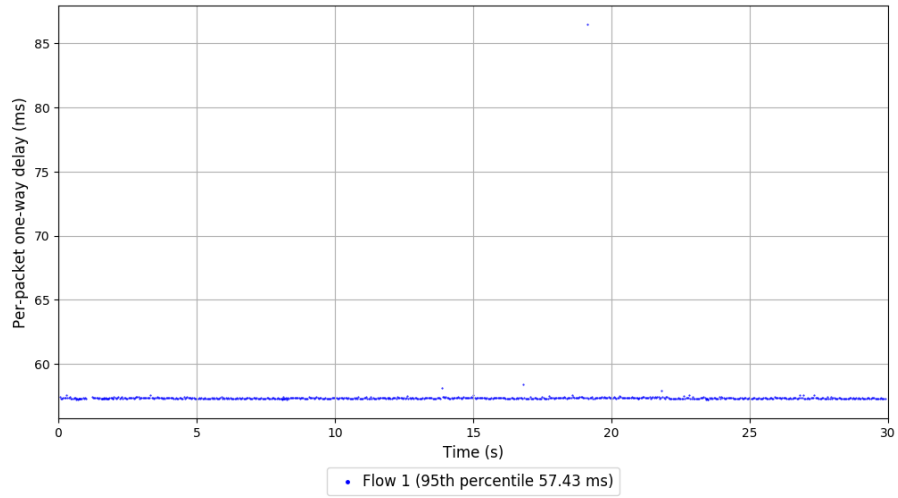
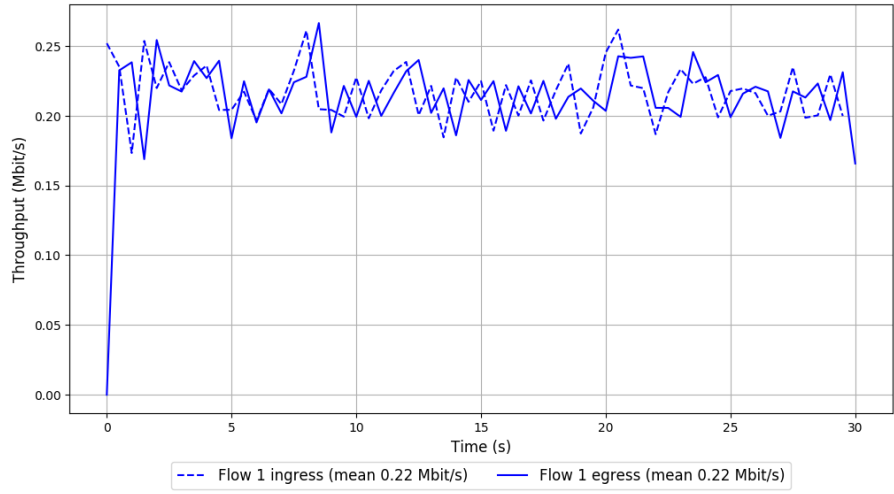
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.430 ms

Loss rate: 0.39%

Run 1: Report of SCReAM — Data Link

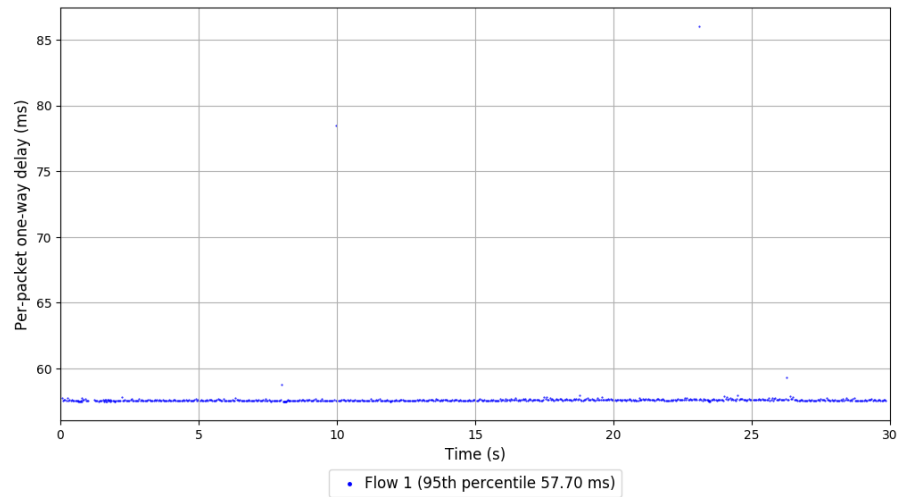
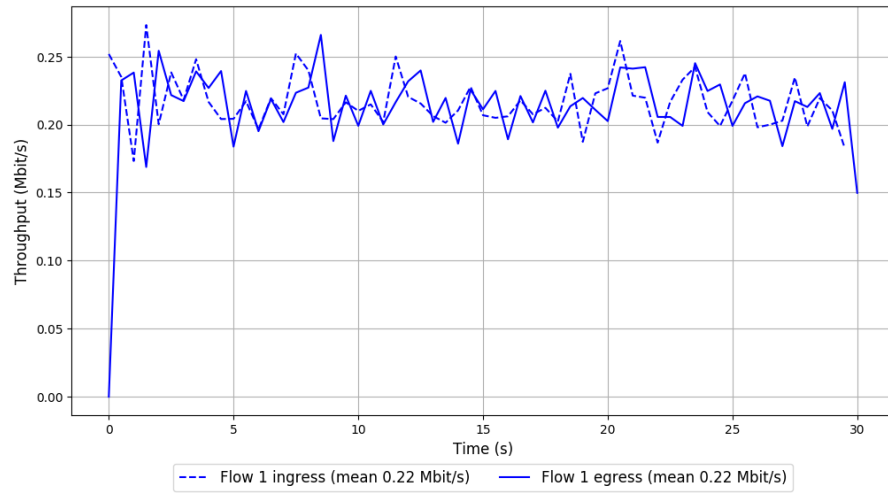


Run 2: Statistics of SCReAM

Start at: 2019-05-30 15:20:30
End at: 2019-05-30 15:21:00
Local clock offset: 0.197 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-05-30 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.701 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.701 ms
Loss rate: 0.38%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-05-30 15:51:13

End at: 2019-05-30 15:51:43

Local clock offset: 0.239 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.691 ms

Loss rate: 0.38%

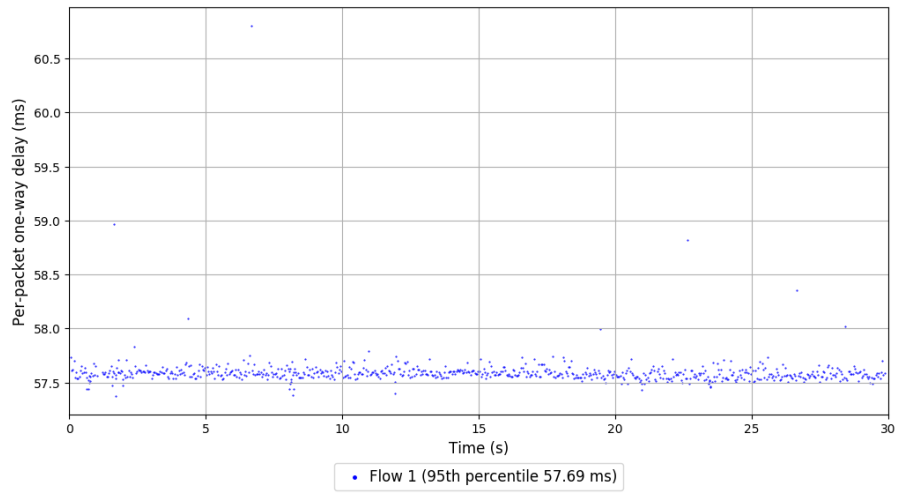
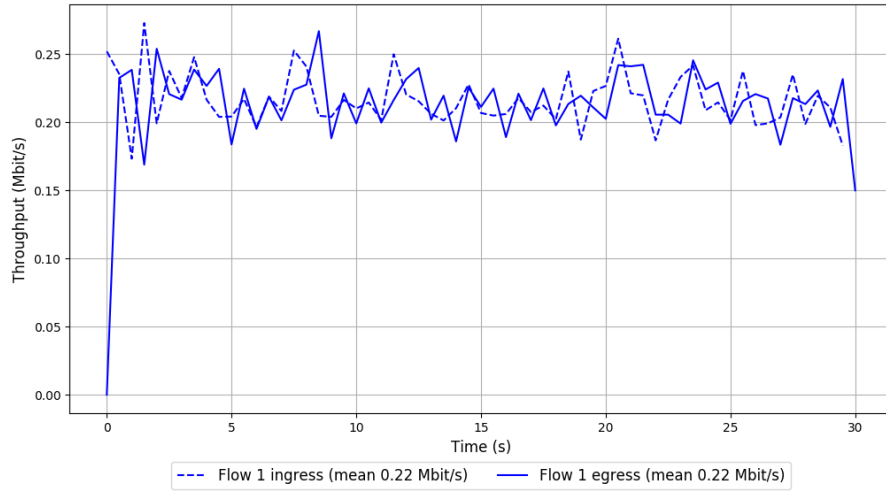
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.691 ms

Loss rate: 0.38%

Run 3: Report of SCReAM — Data Link

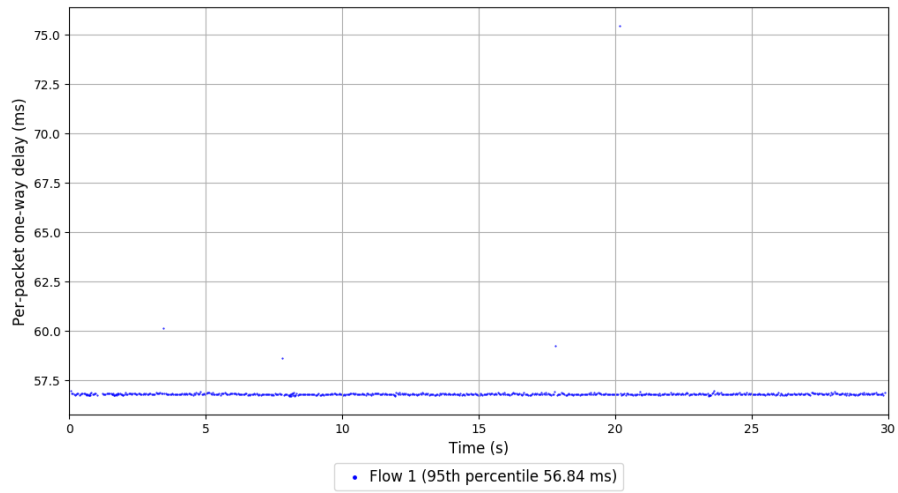
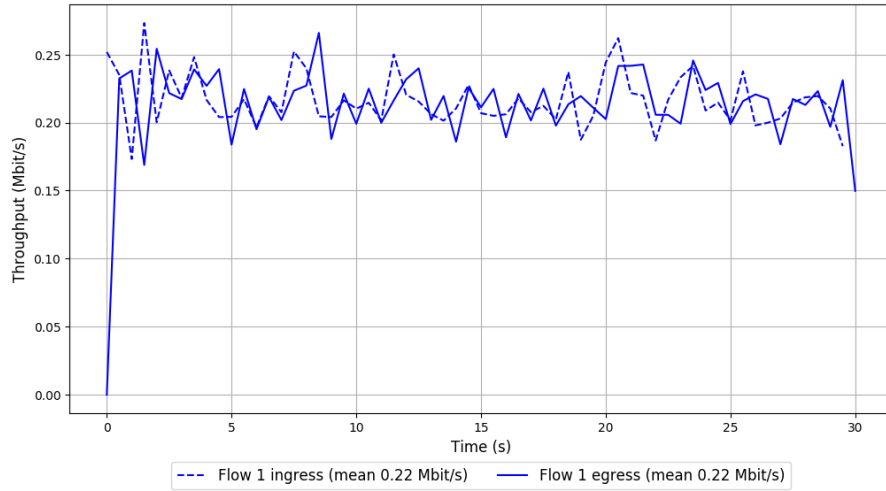


Run 4: Statistics of SCReAM

Start at: 2019-05-30 16:21:49
End at: 2019-05-30 16:22:19
Local clock offset: -0.527 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2019-05-30 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.845 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.845 ms
Loss rate: 0.38%

Run 4: Report of SCReAM — Data Link

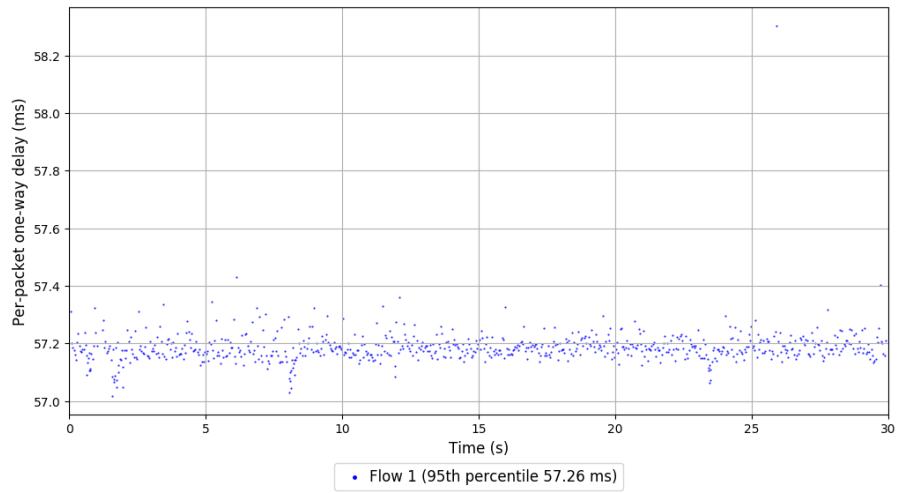
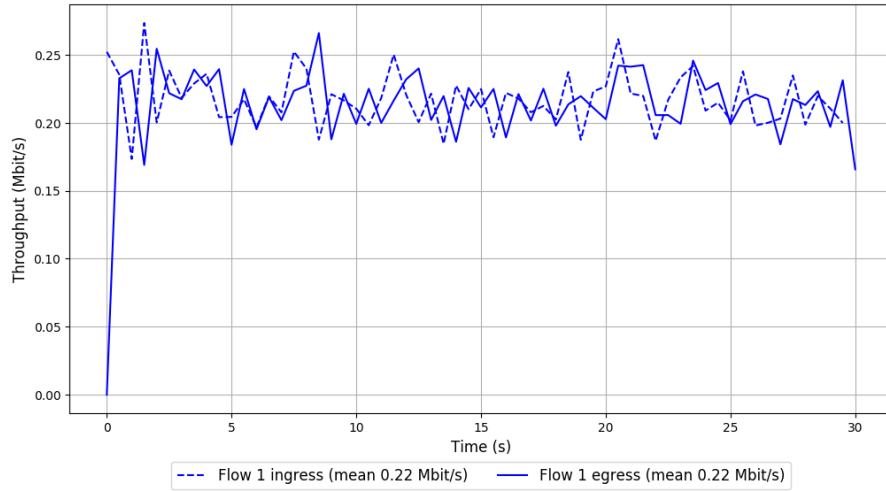


Run 5: Statistics of SCReAM

Start at: 2019-05-30 16:52:27
End at: 2019-05-30 16:52:57
Local clock offset: -0.109 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-05-30 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.258 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.258 ms
Loss rate: 0.39%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-05-30 14:31:07

End at: 2019-05-30 14:31:37

Local clock offset: 0.227 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 58.065 ms

Loss rate: 0.48%

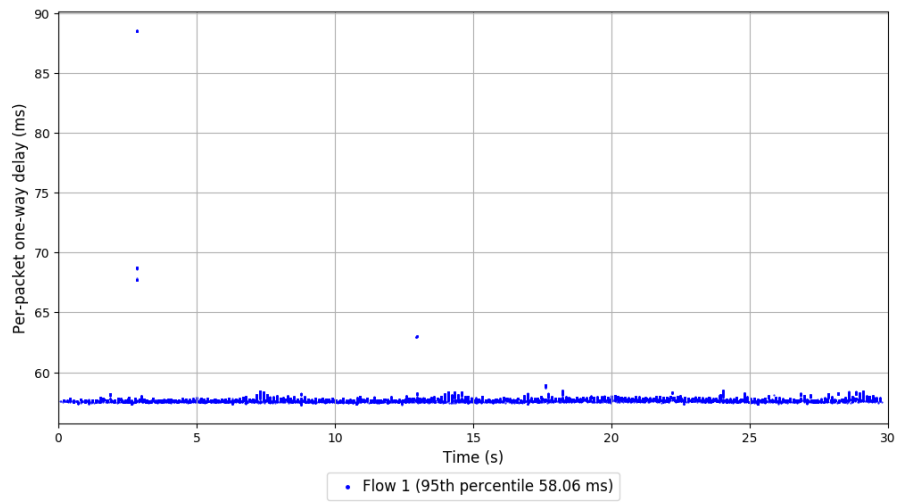
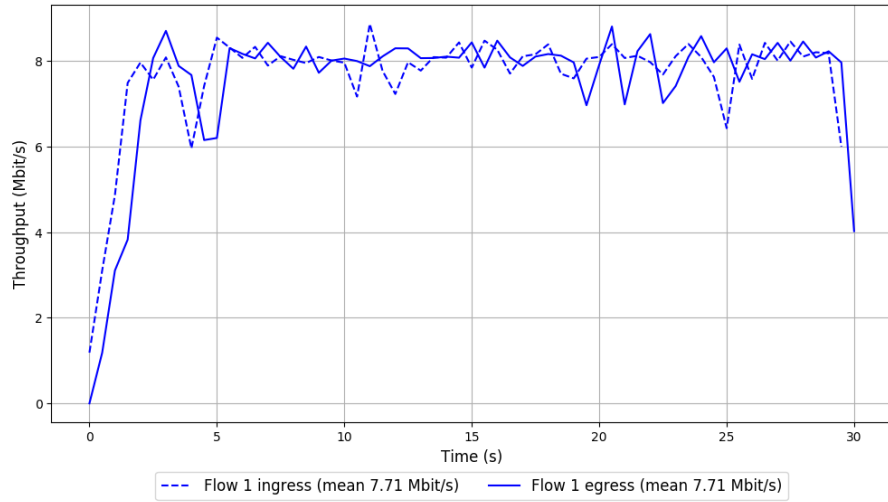
-- Flow 1:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 58.065 ms

Loss rate: 0.48%

Run 1: Report of Sprout — Data Link

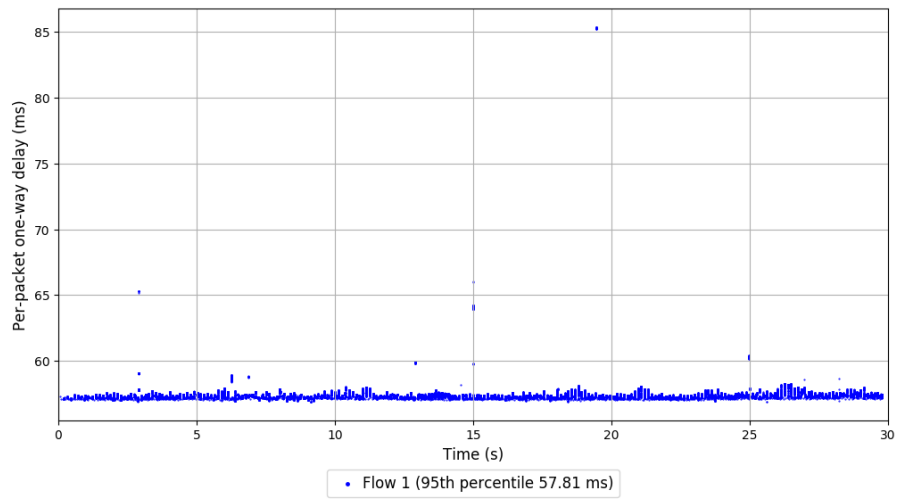
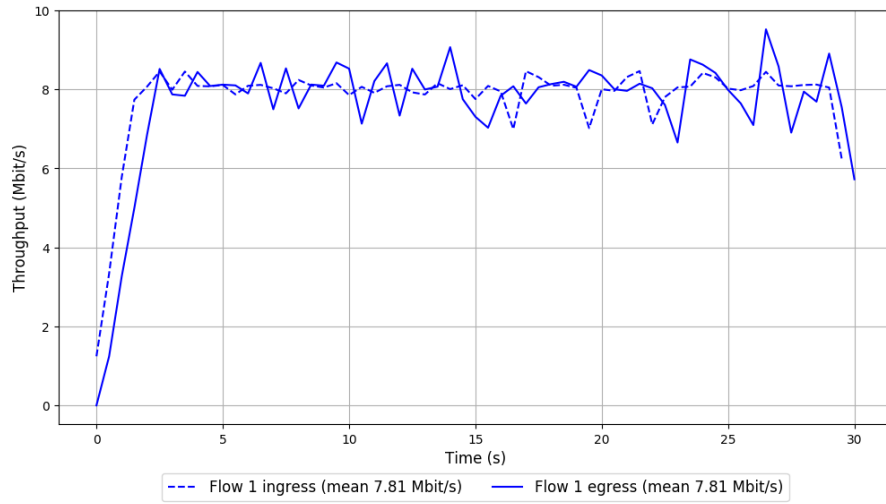


Run 2: Statistics of Sprout

Start at: 2019-05-30 15:01:33
End at: 2019-05-30 15:02:03
Local clock offset: -0.124 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-05-30 18:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 57.807 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 57.807 ms
Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

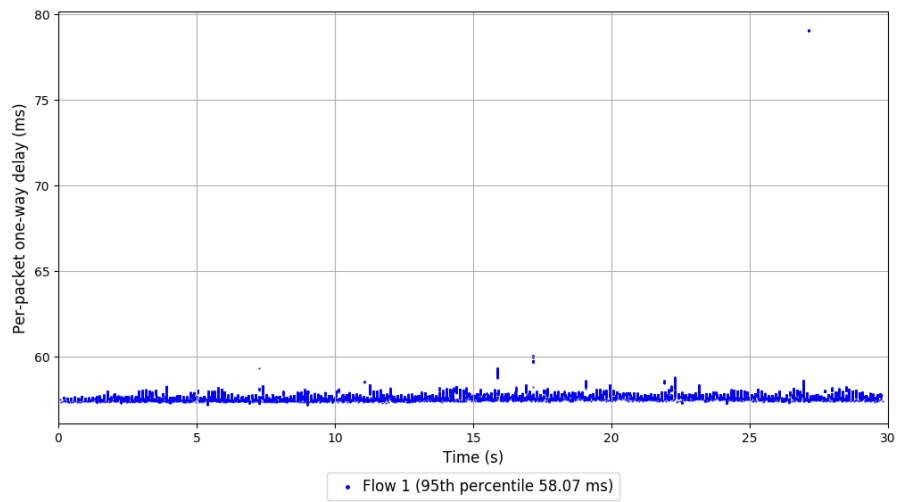
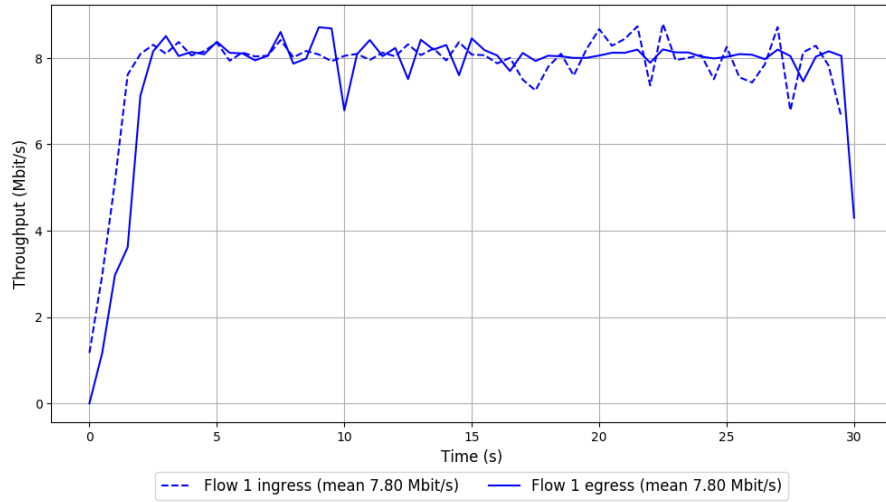


Run 3: Statistics of Sprout

Start at: 2019-05-30 15:32:12
End at: 2019-05-30 15:32:42
Local clock offset: -0.054 ms
Remote clock offset: -0.187 ms

```
# Below is generated by plot.py at 2019-05-30 18:50:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 58.070 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 58.070 ms
Loss rate: 0.50%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-30 16:02:44

End at: 2019-05-30 16:03:14

Local clock offset: 0.2 ms

Remote clock offset: -0.427 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 58.296 ms

Loss rate: 0.44%

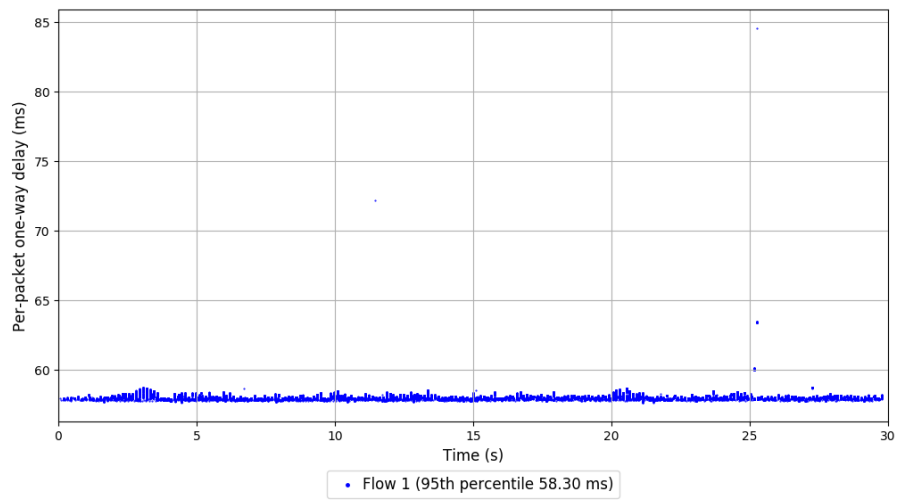
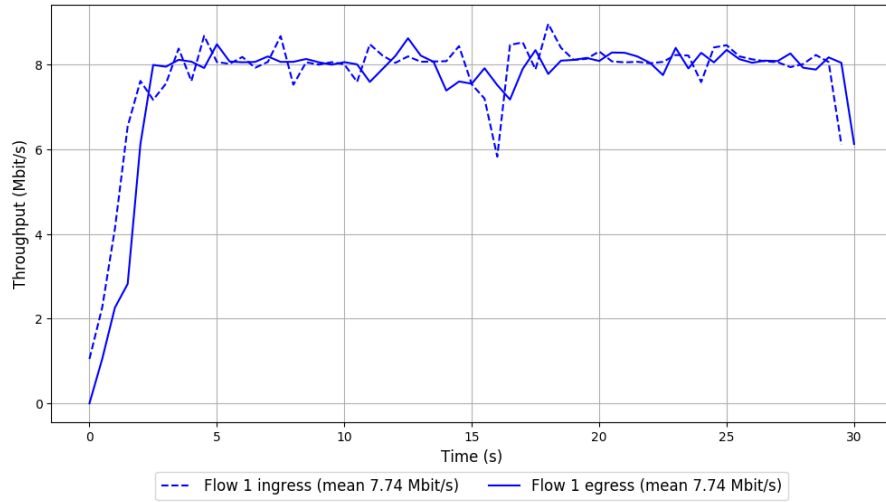
-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 58.296 ms

Loss rate: 0.44%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-05-30 16:33:31

End at: 2019-05-30 16:34:01

Local clock offset: -0.098 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-05-30 18:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 57.680 ms

Loss rate: 0.11%

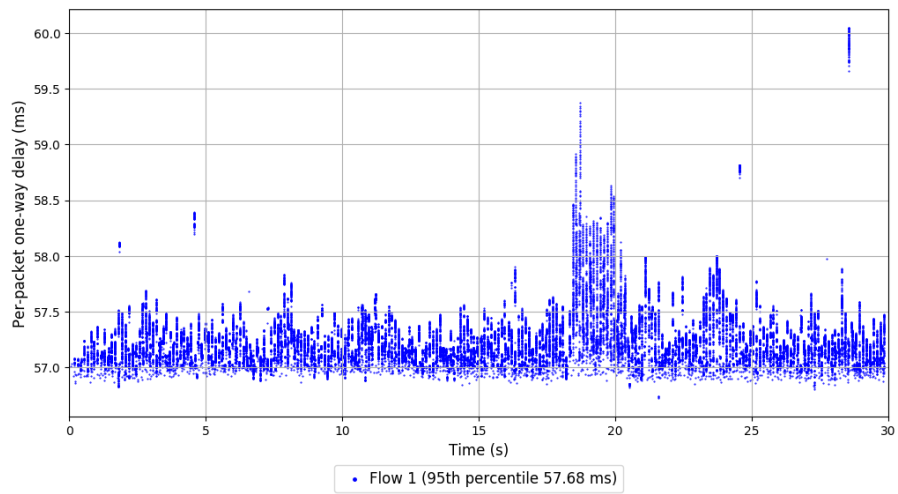
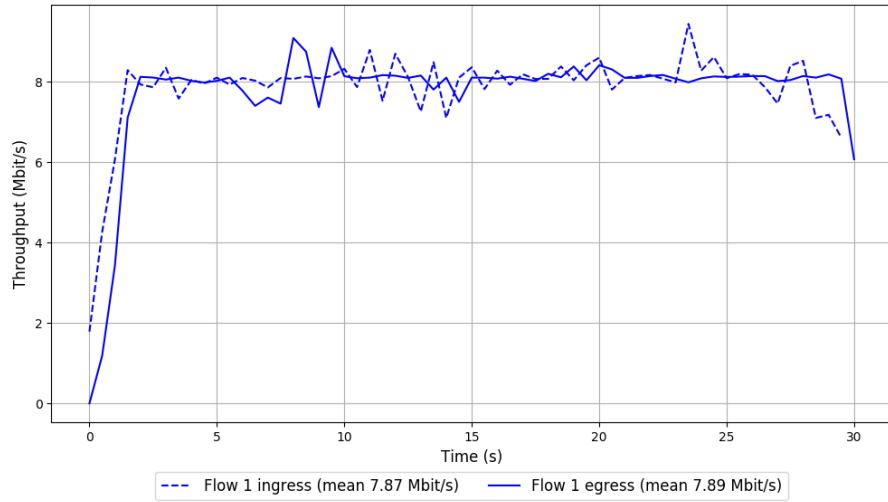
-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 57.680 ms

Loss rate: 0.11%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 14:46:50

End at: 2019-05-30 14:47:20

Local clock offset: 0.259 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-05-30 18:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.71 Mbit/s

95th percentile per-packet one-way delay: 58.215 ms

Loss rate: 0.40%

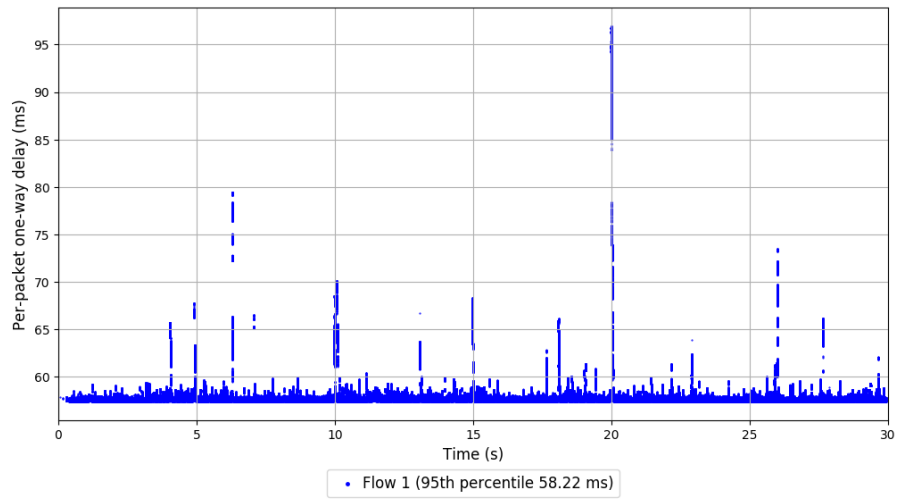
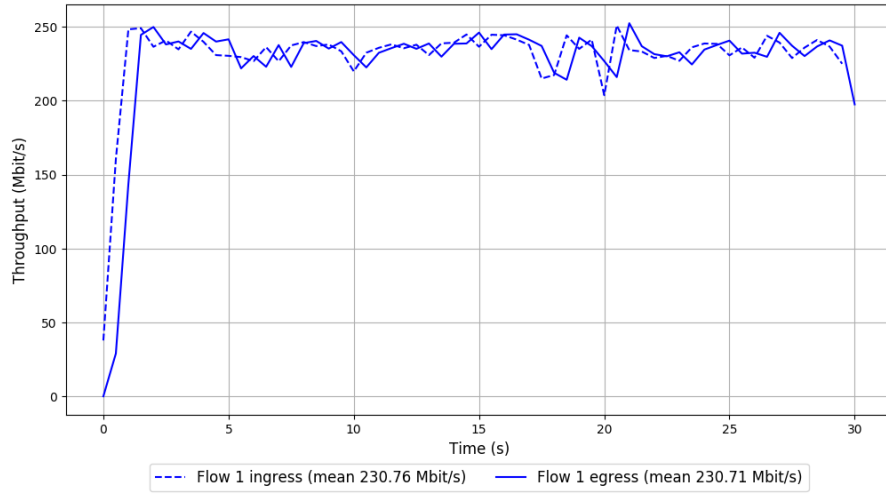
-- Flow 1:

Average throughput: 230.71 Mbit/s

95th percentile per-packet one-way delay: 58.215 ms

Loss rate: 0.40%

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

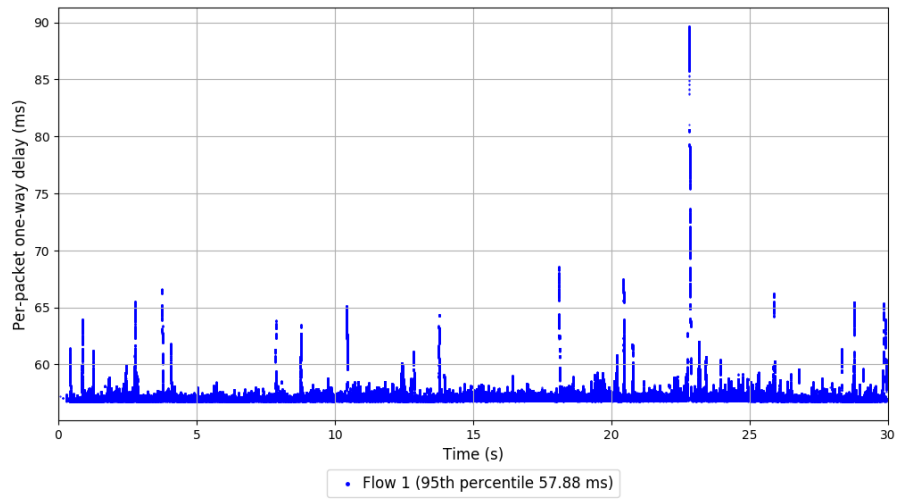
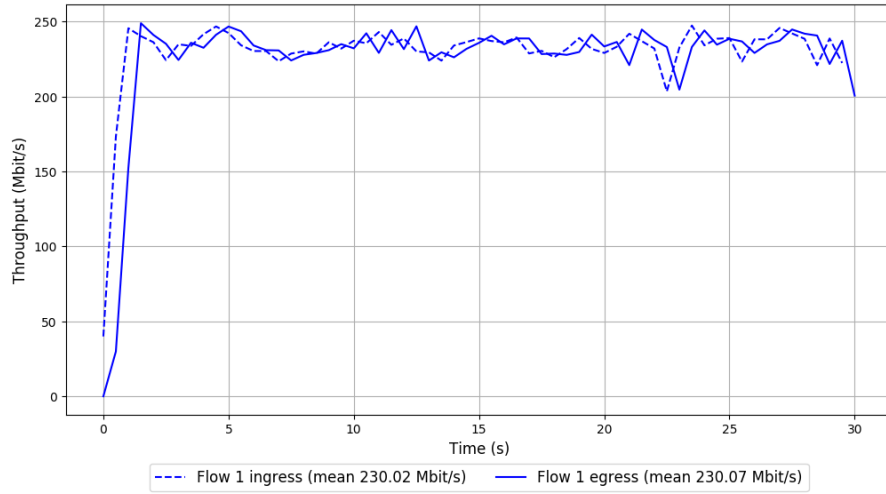


Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 15:17:17
End at: 2019-05-30 15:17:47
Local clock offset: -0.164 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-05-30 18:51:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.07 Mbit/s
95th percentile per-packet one-way delay: 57.880 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 230.07 Mbit/s
95th percentile per-packet one-way delay: 57.880 ms
Loss rate: 0.36%

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

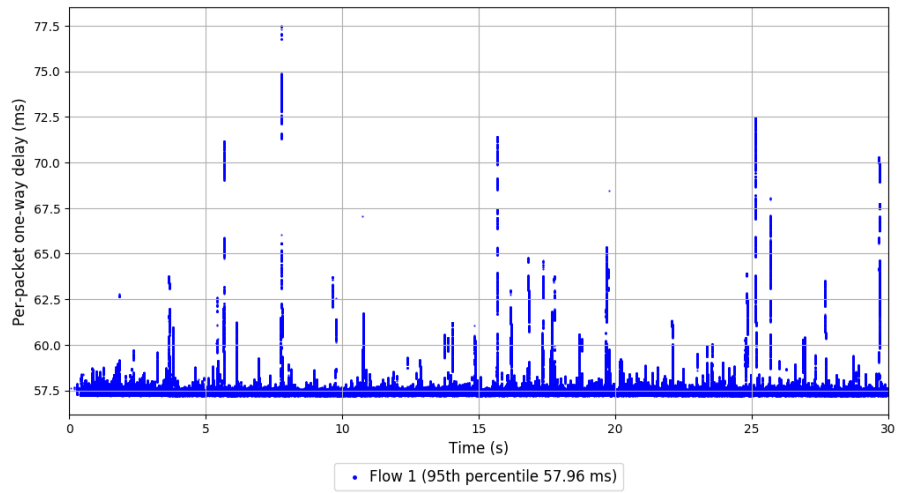
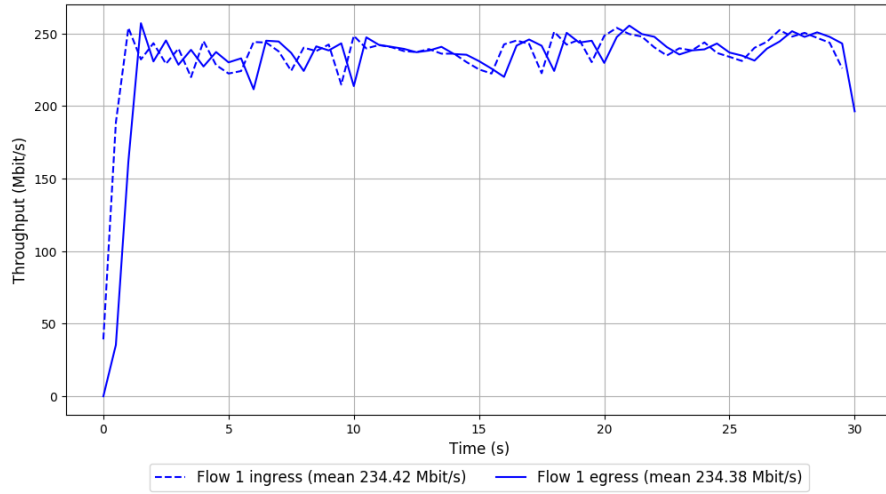


Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 15:48:00
End at: 2019-05-30 15:48:30
Local clock offset: -0.335 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2019-05-30 18:51:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.38 Mbit/s
95th percentile per-packet one-way delay: 57.964 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 234.38 Mbit/s
95th percentile per-packet one-way delay: 57.964 ms
Loss rate: 0.41%

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

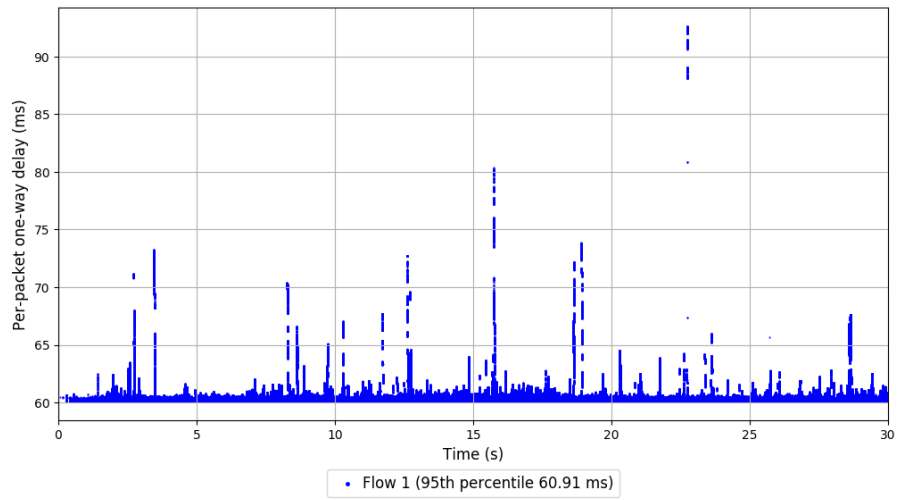
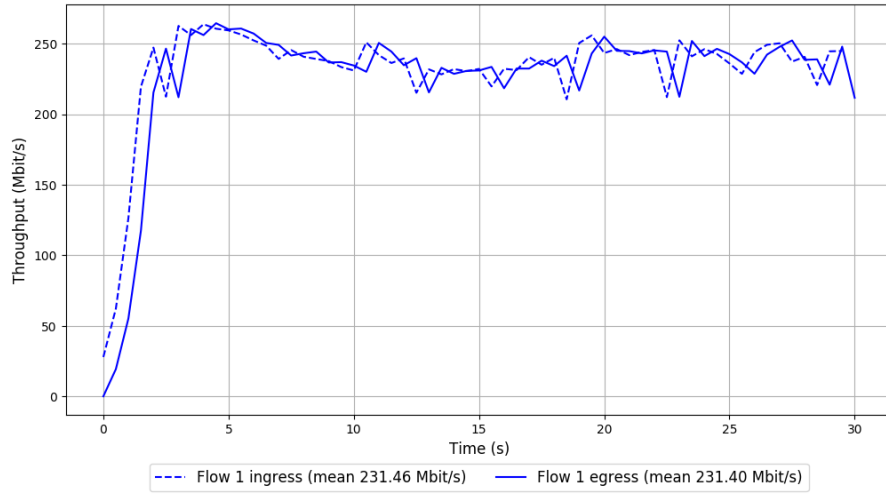


Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 16:18:37
End at: 2019-05-30 16:19:07
Local clock offset: -0.116 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-05-30 18:51:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.40 Mbit/s
95th percentile per-packet one-way delay: 60.912 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 231.40 Mbit/s
95th percentile per-packet one-way delay: 60.912 ms
Loss rate: 0.44%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 16:49:13

End at: 2019-05-30 16:49:43

Local clock offset: -0.1 ms

Remote clock offset: -0.265 ms

Below is generated by plot.py at 2019-05-30 18:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.60 Mbit/s

95th percentile per-packet one-way delay: 60.645 ms

Loss rate: 0.42%

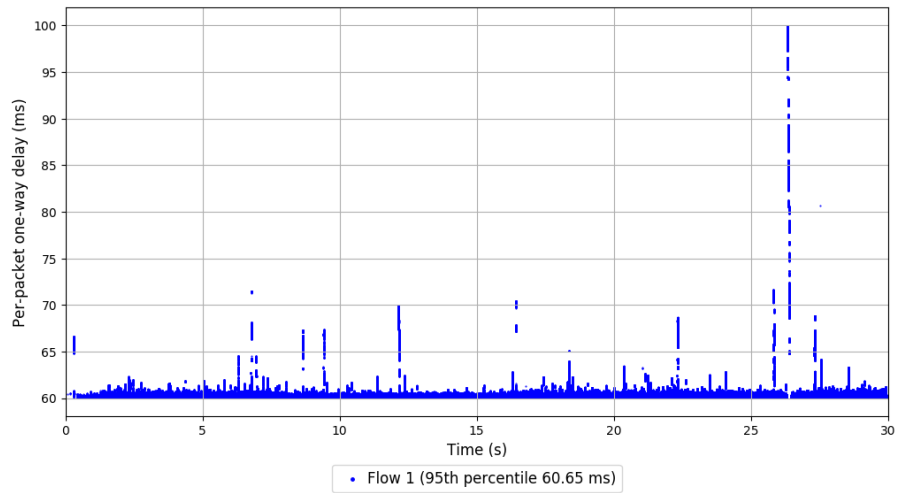
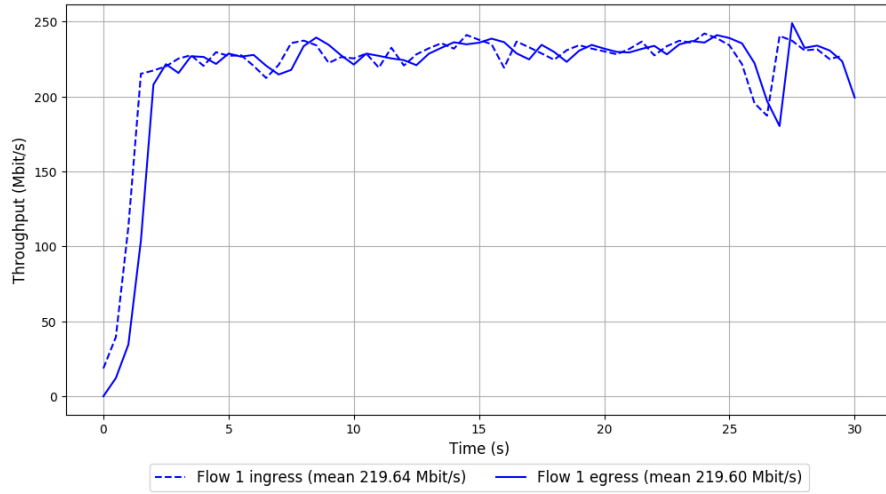
-- Flow 1:

Average throughput: 219.60 Mbit/s

95th percentile per-packet one-way delay: 60.645 ms

Loss rate: 0.42%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 14:29:48

End at: 2019-05-30 14:30:18

Local clock offset: 0.05 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2019-05-30 18:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.94 Mbit/s

95th percentile per-packet one-way delay: 73.658 ms

Loss rate: 0.23%

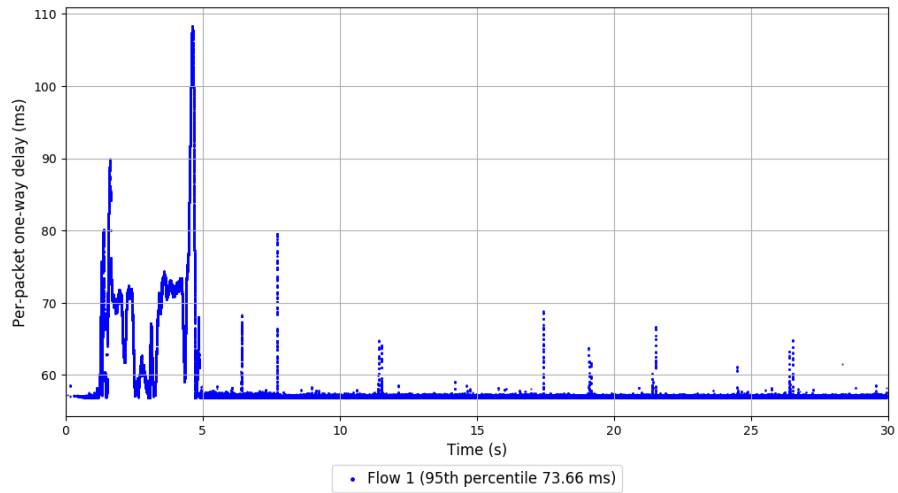
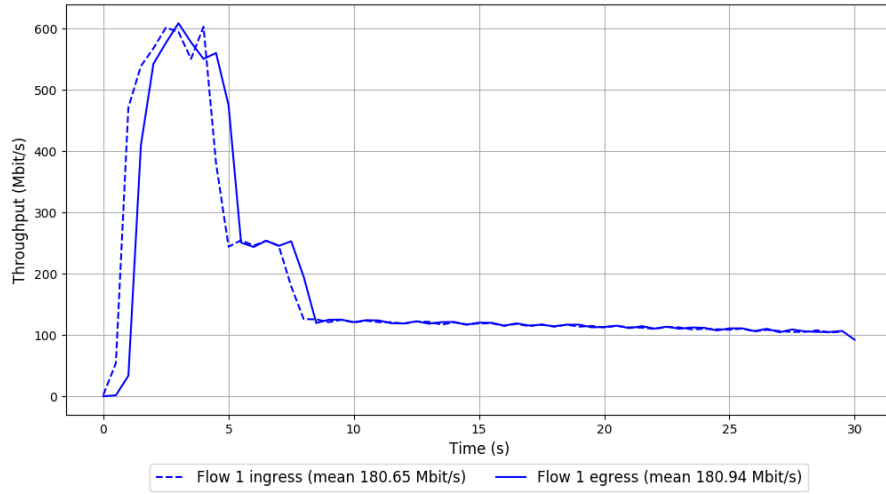
-- Flow 1:

Average throughput: 180.94 Mbit/s

95th percentile per-packet one-way delay: 73.658 ms

Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 15:00:05
End at: 2019-05-30 15:00:35
Local clock offset: -0.223 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-05-30 18:56:35

Datalink statistics

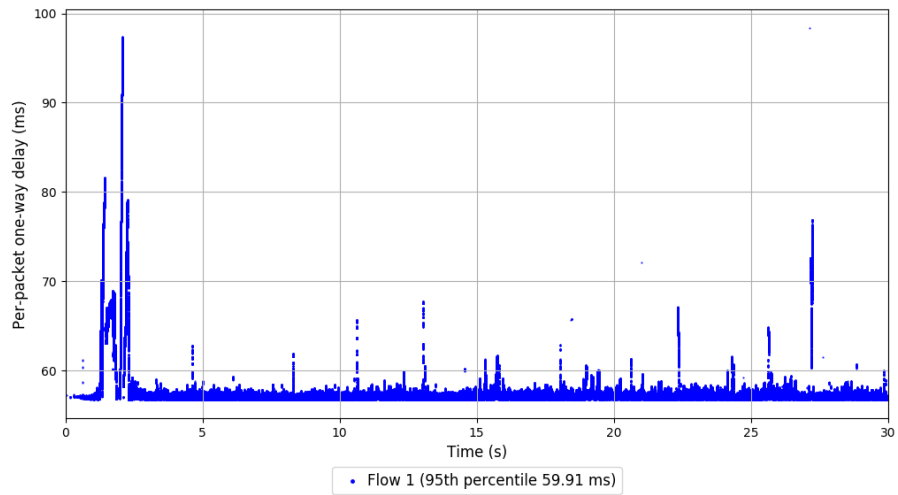
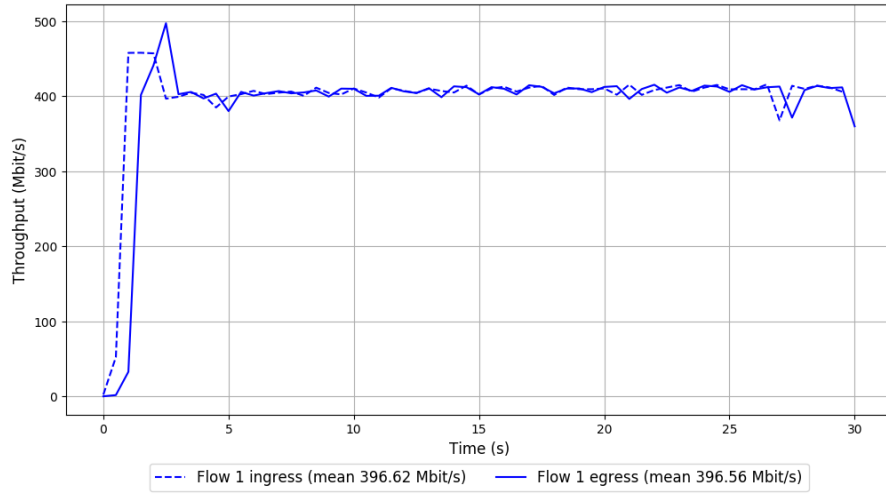
-- Total of 1 flow:

Average throughput: 396.56 Mbit/s
95th percentile per-packet one-way delay: 59.908 ms
Loss rate: 0.40%

-- Flow 1:

Average throughput: 396.56 Mbit/s
95th percentile per-packet one-way delay: 59.908 ms
Loss rate: 0.40%

Run 2: Report of TCP Vegas — Data Link

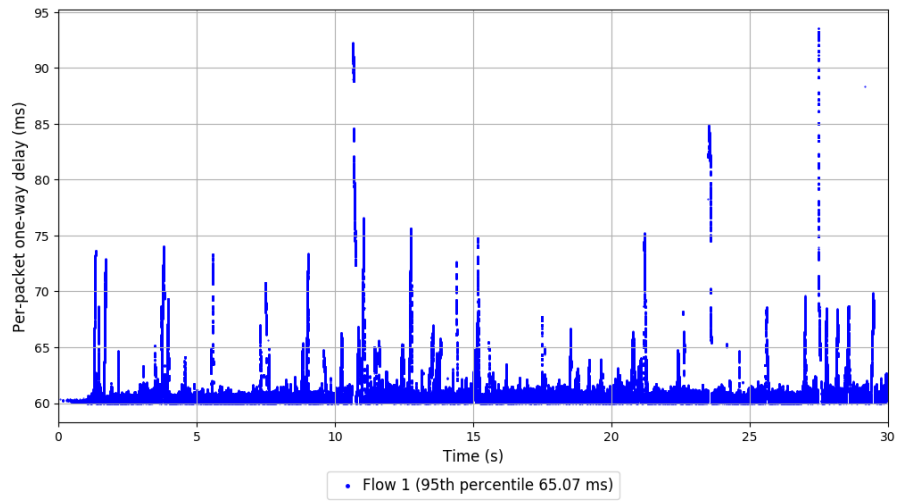
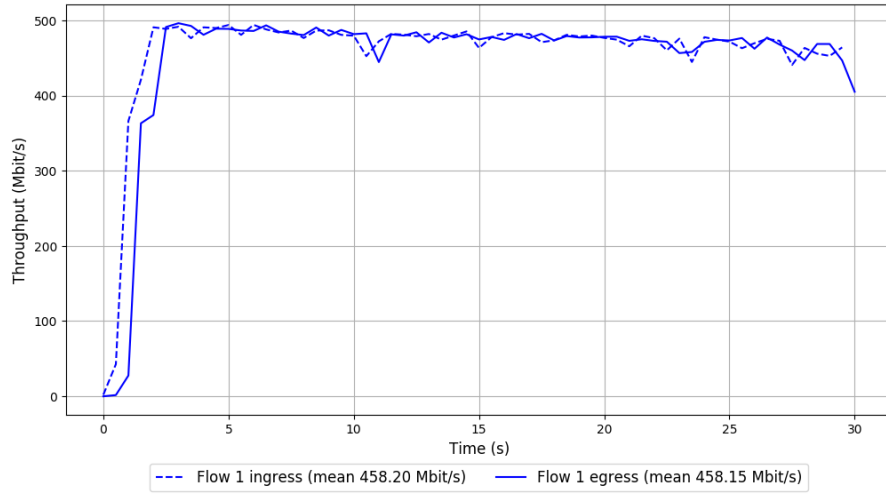


Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 15:30:42
End at: 2019-05-30 15:31:12
Local clock offset: -0.181 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-05-30 18:58:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.15 Mbit/s
95th percentile per-packet one-way delay: 65.070 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 458.15 Mbit/s
95th percentile per-packet one-way delay: 65.070 ms
Loss rate: 0.40%

Run 3: Report of TCP Vegas — Data Link

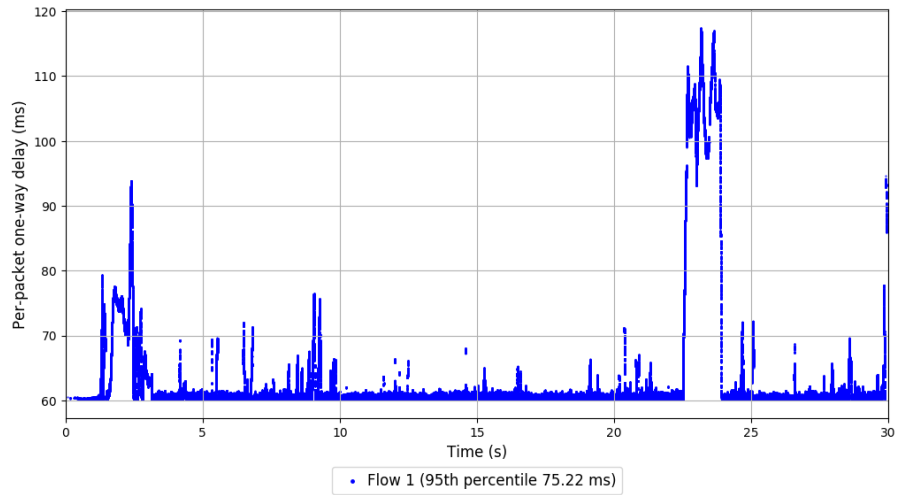
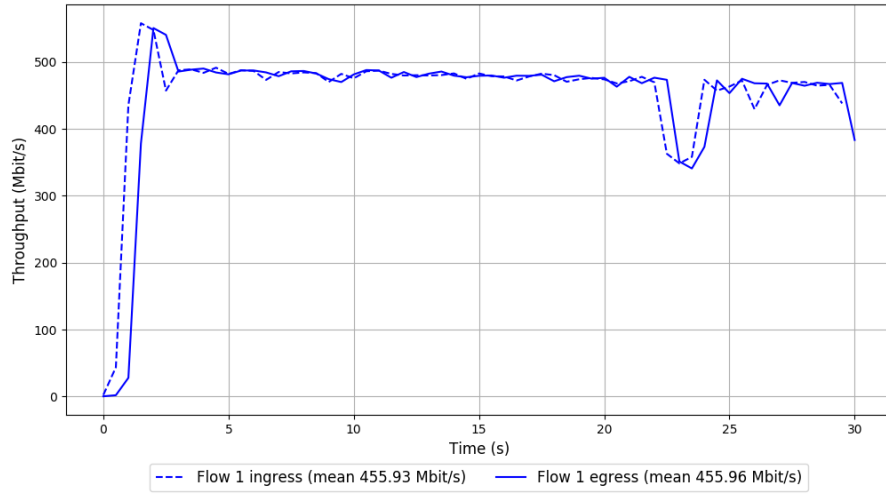


Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 16:01:13
End at: 2019-05-30 16:01:43
Local clock offset: -0.102 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2019-05-30 18:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 455.96 Mbit/s
95th percentile per-packet one-way delay: 75.219 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 455.96 Mbit/s
95th percentile per-packet one-way delay: 75.219 ms
Loss rate: 0.40%

Run 4: Report of TCP Vegas — Data Link

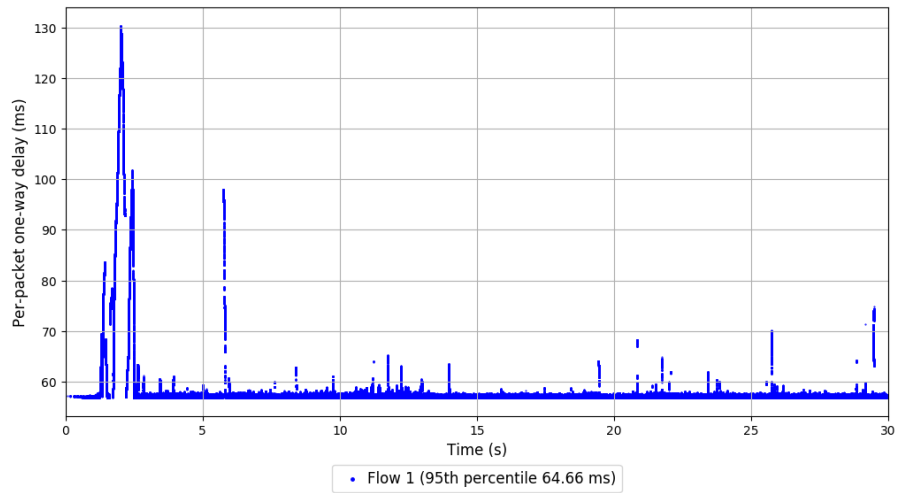
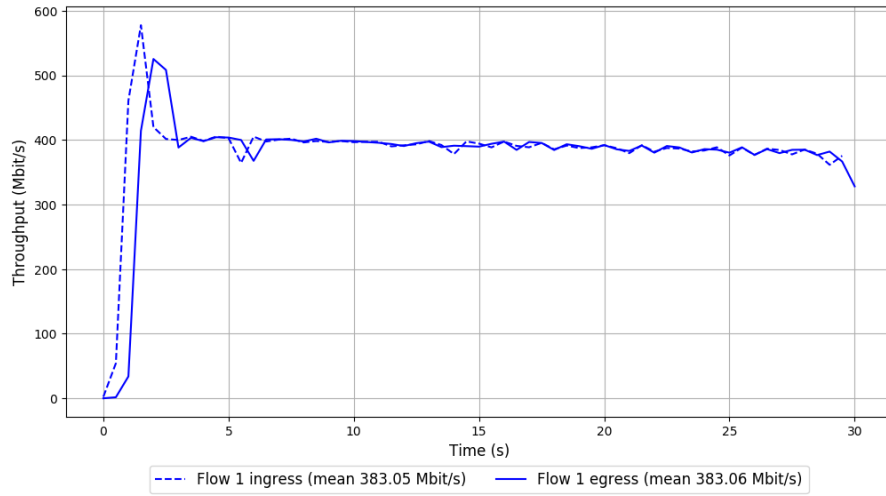


Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 16:32:04
End at: 2019-05-30 16:32:34
Local clock offset: -0.086 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-05-30 18:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.06 Mbit/s
95th percentile per-packet one-way delay: 64.658 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 383.06 Mbit/s
95th percentile per-packet one-way delay: 64.658 ms
Loss rate: 0.38%

Run 5: Report of TCP Vegas — Data Link

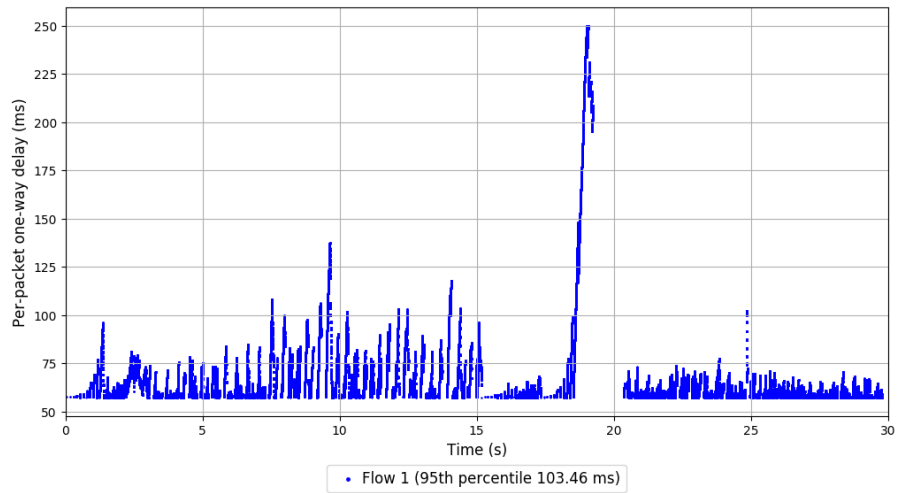
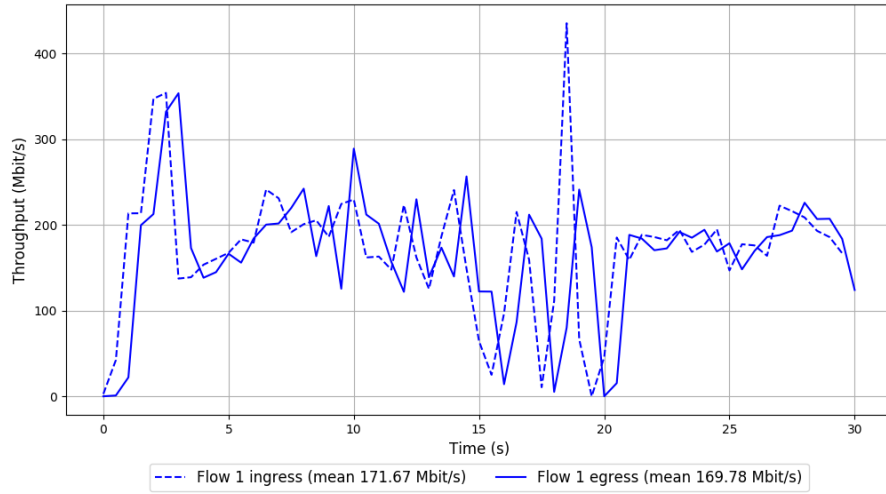


Run 1: Statistics of Verus

Start at: 2019-05-30 14:55:45
End at: 2019-05-30 14:56:15
Local clock offset: 0.072 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-05-30 18:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.78 Mbit/s
95th percentile per-packet one-way delay: 103.457 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 169.78 Mbit/s
95th percentile per-packet one-way delay: 103.457 ms
Loss rate: 1.79%

Run 1: Report of Verus — Data Link

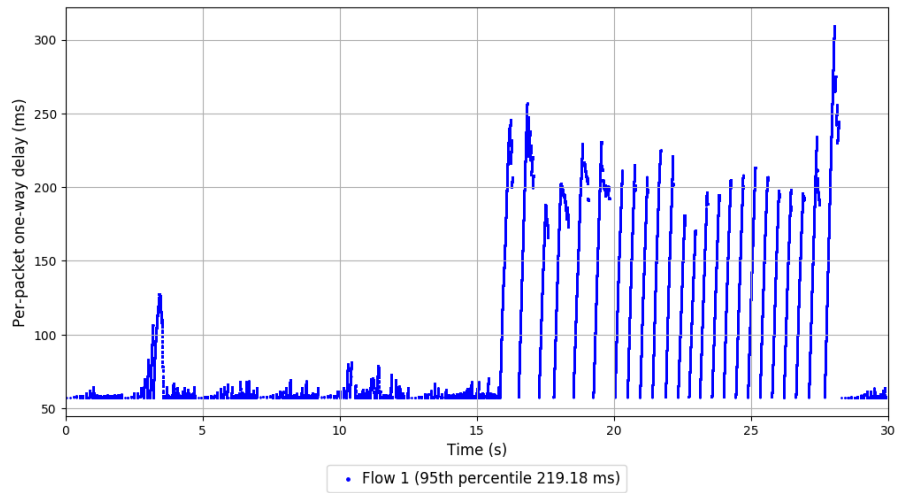
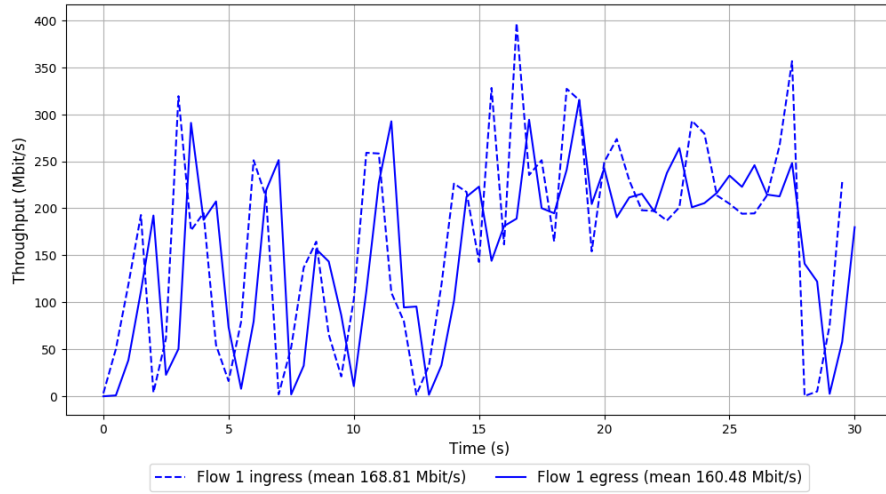


Run 2: Statistics of Verus

Start at: 2019-05-30 15:26:19
End at: 2019-05-30 15:26:49
Local clock offset: 0.095 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-05-30 18:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.48 Mbit/s
95th percentile per-packet one-way delay: 219.182 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 160.48 Mbit/s
95th percentile per-packet one-way delay: 219.182 ms
Loss rate: 5.30%

Run 2: Report of Verus — Data Link

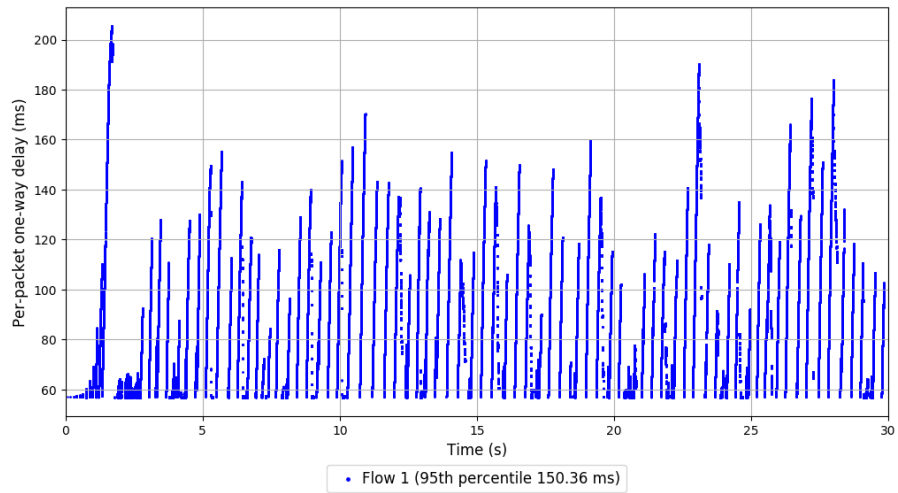
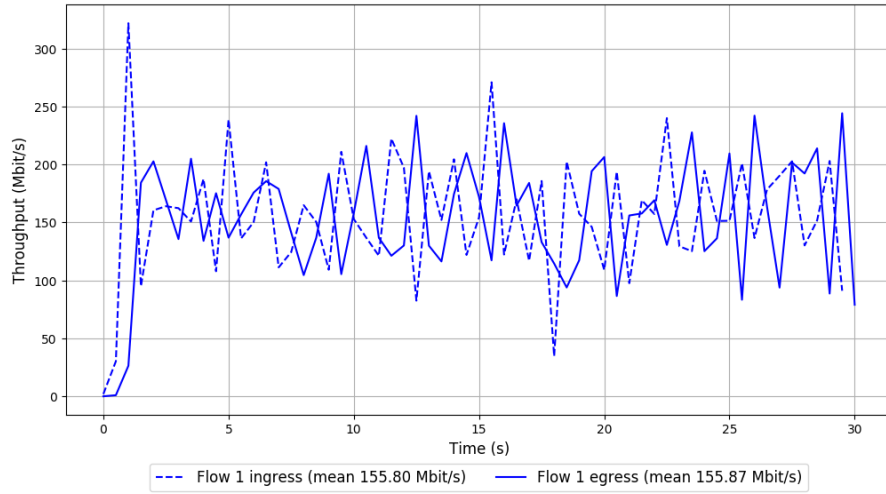


Run 3: Statistics of Verus

Start at: 2019-05-30 15:57:04
End at: 2019-05-30 15:57:34
Local clock offset: -0.497 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2019-05-30 18:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.87 Mbit/s
95th percentile per-packet one-way delay: 150.362 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 155.87 Mbit/s
95th percentile per-packet one-way delay: 150.362 ms
Loss rate: 0.49%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-05-30 16:27:47

End at: 2019-05-30 16:28:17

Local clock offset: 0.258 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2019-05-30 18:58:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.28 Mbit/s

95th percentile per-packet one-way delay: 194.094 ms

Loss rate: 2.29%

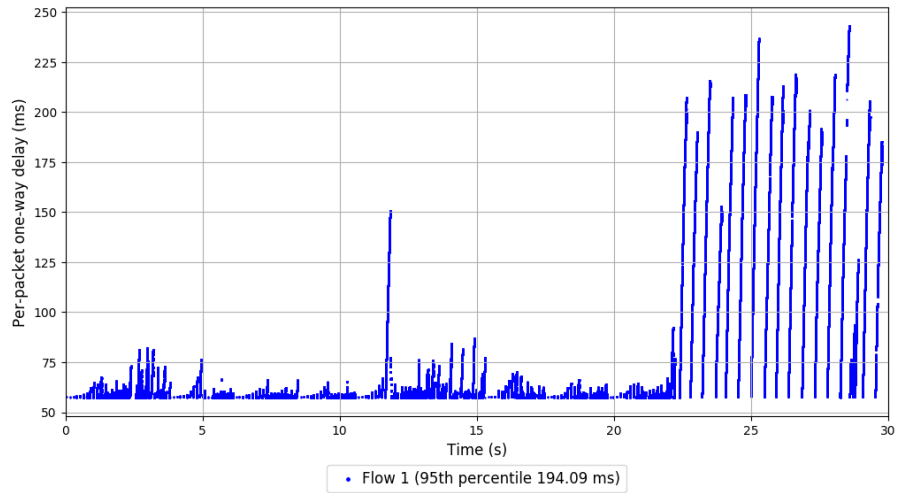
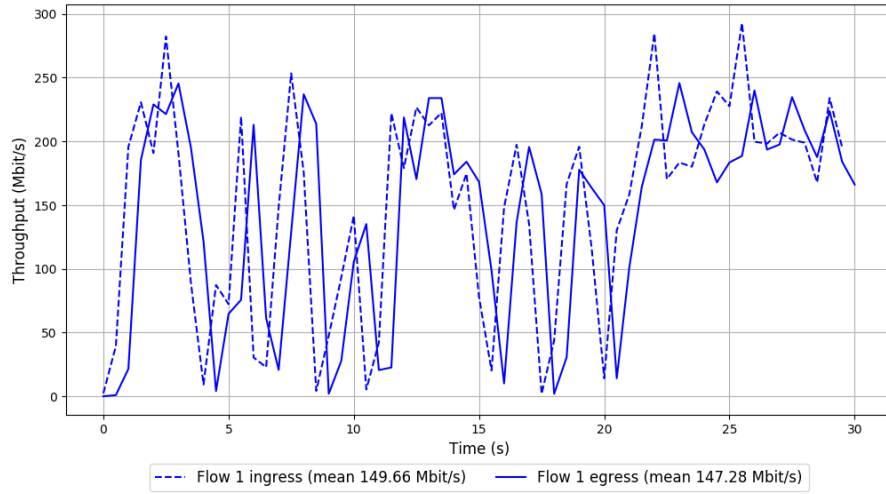
-- Flow 1:

Average throughput: 147.28 Mbit/s

95th percentile per-packet one-way delay: 194.094 ms

Loss rate: 2.29%

Run 4: Report of Verus — Data Link

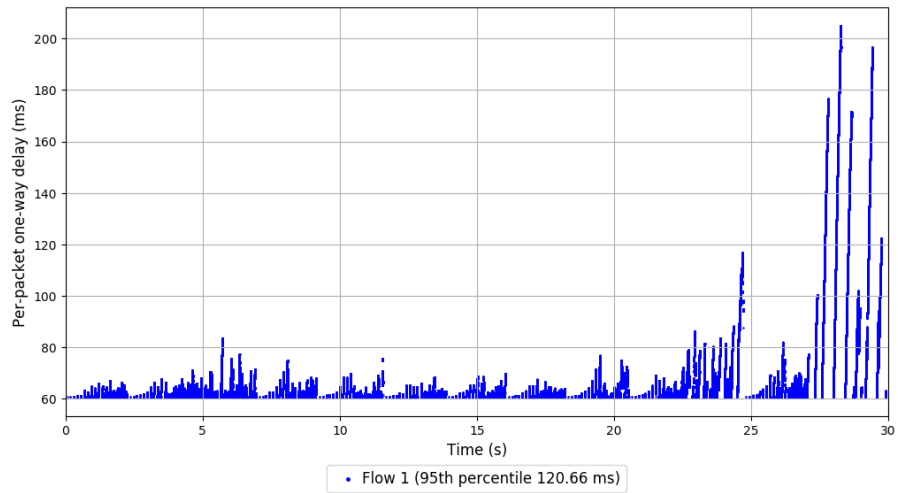
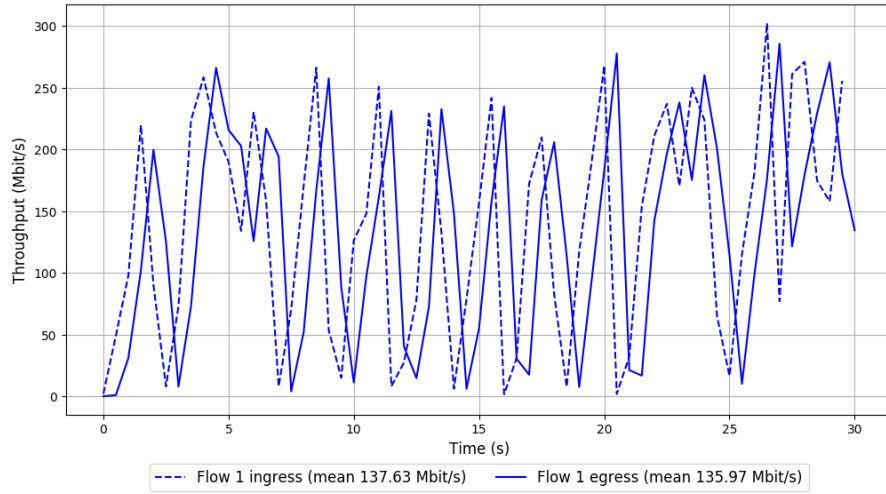


Run 5: Statistics of Verus

Start at: 2019-05-30 16:58:14
End at: 2019-05-30 16:58:44
Local clock offset: -0.012 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2019-05-30 19:00:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.97 Mbit/s
95th percentile per-packet one-way delay: 120.661 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 135.97 Mbit/s
95th percentile per-packet one-way delay: 120.661 ms
Loss rate: 1.60%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 14:58:36

End at: 2019-05-30 14:59:06

Local clock offset: -0.375 ms

Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-05-30 19:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.44 Mbit/s

95th percentile per-packet one-way delay: 90.654 ms

Loss rate: 0.72%

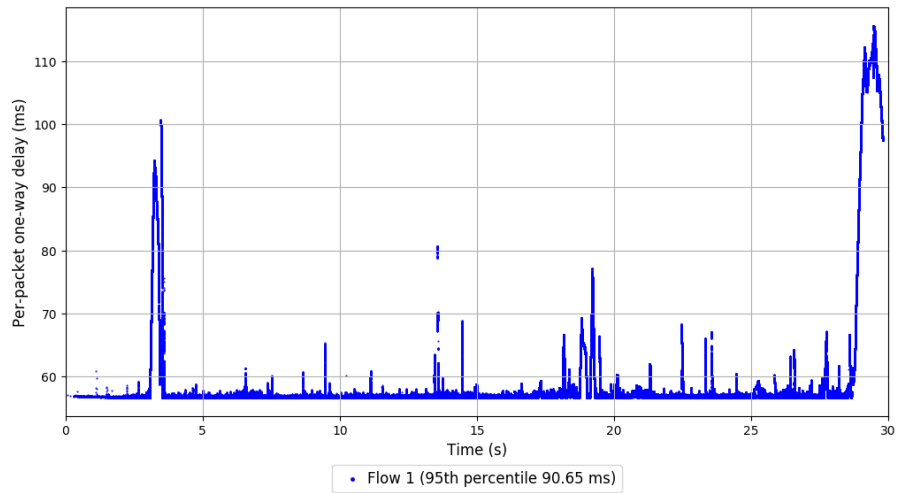
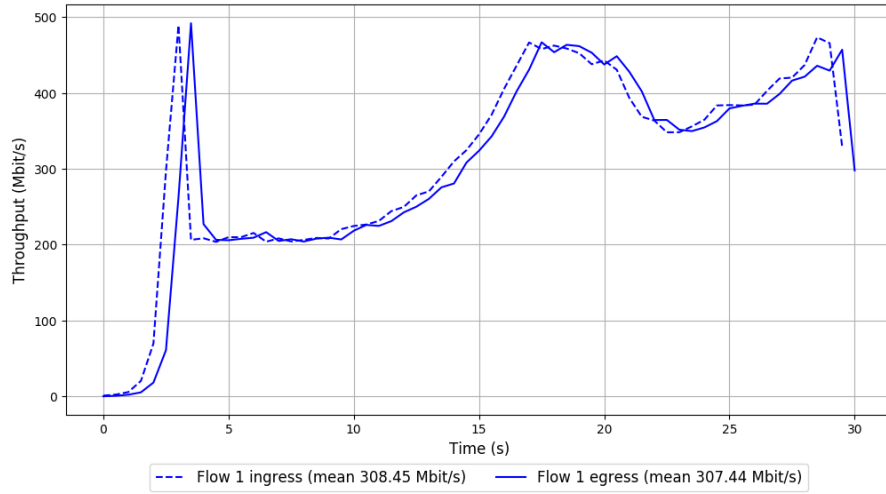
-- Flow 1:

Average throughput: 307.44 Mbit/s

95th percentile per-packet one-way delay: 90.654 ms

Loss rate: 0.72%

Run 1: Report of PCC-Vivace — Data Link

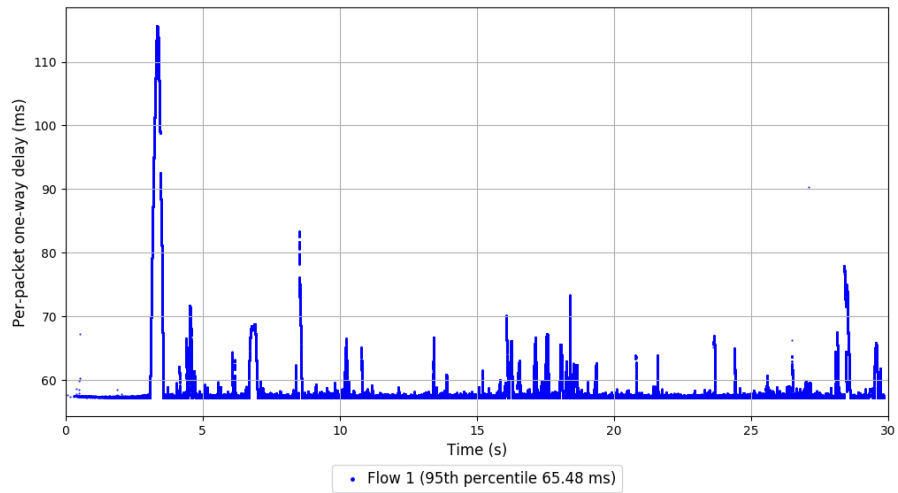
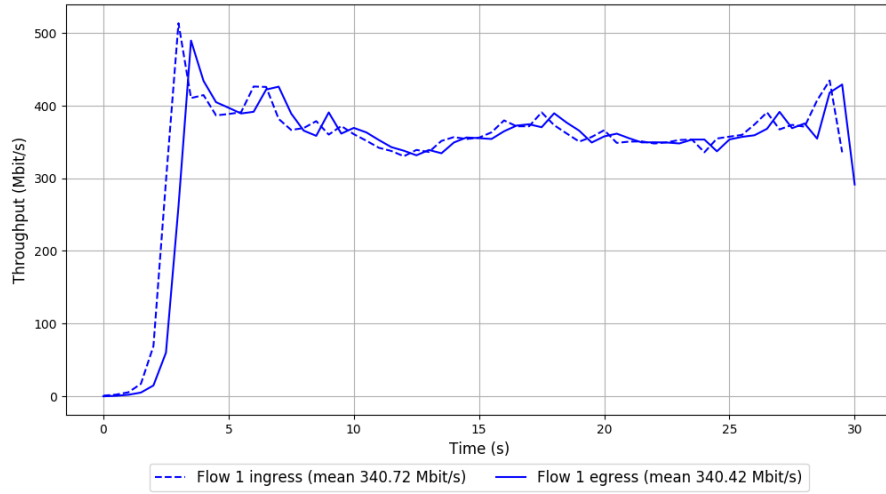


Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 15:29:11
End at: 2019-05-30 15:29:41
Local clock offset: -0.011 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-05-30 19:01:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.42 Mbit/s
95th percentile per-packet one-way delay: 65.484 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 340.42 Mbit/s
95th percentile per-packet one-way delay: 65.484 ms
Loss rate: 0.49%

Run 2: Report of PCC-Vivace — Data Link

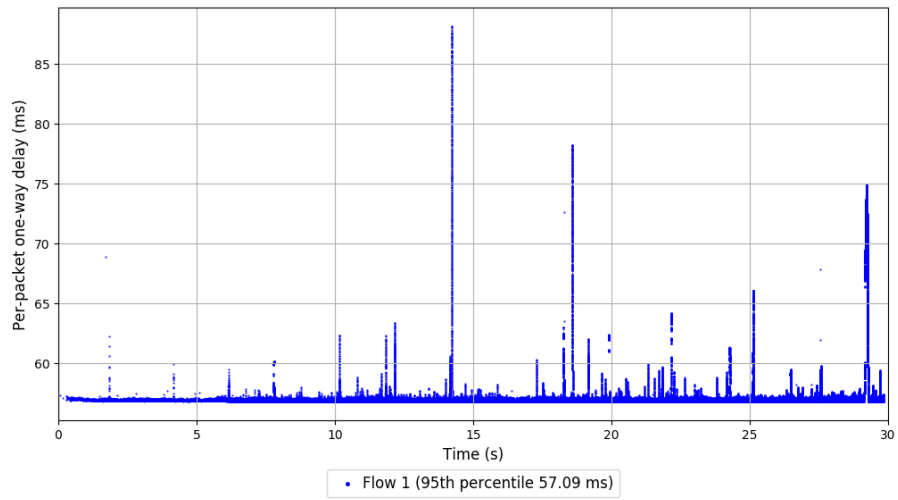
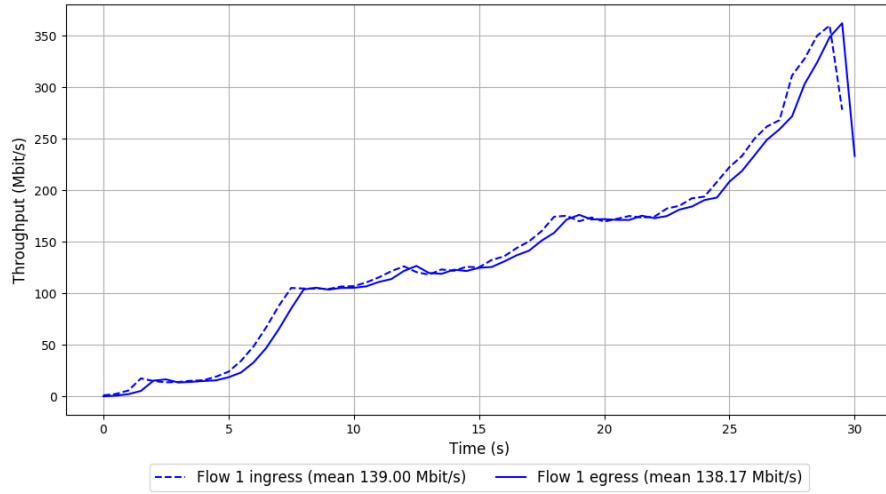


Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 15:59:55
End at: 2019-05-30 16:00:25
Local clock offset: -0.415 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-05-30 19:01:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.17 Mbit/s
95th percentile per-packet one-way delay: 57.088 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 138.17 Mbit/s
95th percentile per-packet one-way delay: 57.088 ms
Loss rate: 0.99%

Run 3: Report of PCC-Vivace — Data Link

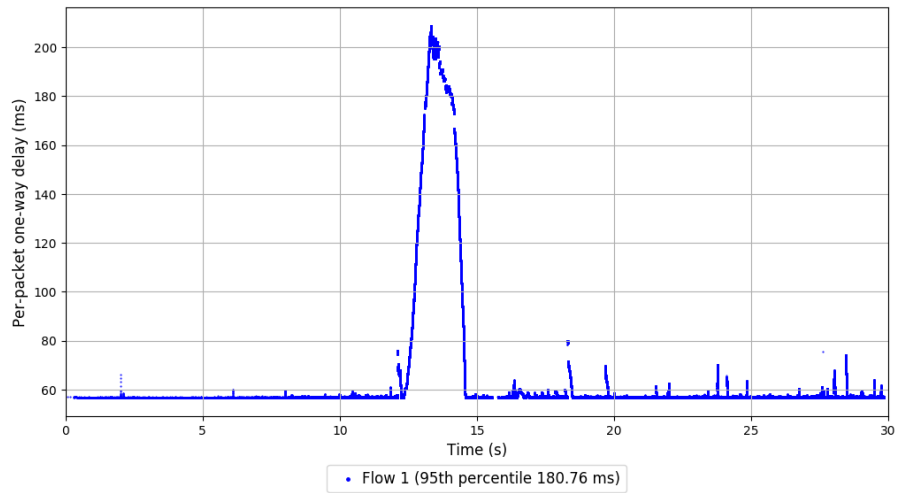
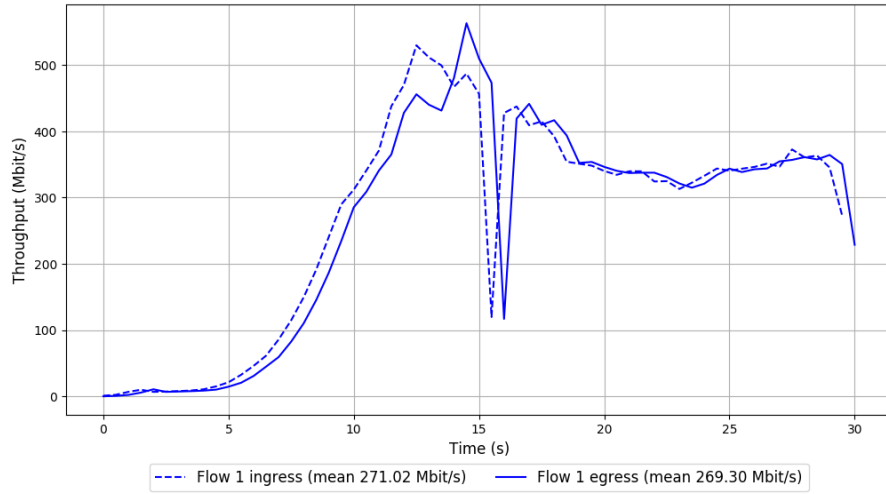


Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 16:30:37
End at: 2019-05-30 16:31:07
Local clock offset: -0.104 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-05-30 19:01:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.30 Mbit/s
95th percentile per-packet one-way delay: 180.758 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 269.30 Mbit/s
95th percentile per-packet one-way delay: 180.758 ms
Loss rate: 1.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 17:01:04

End at: 2019-05-30 17:01:34

Local clock offset: -0.314 ms

Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-05-30 19:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.86 Mbit/s

95th percentile per-packet one-way delay: 60.370 ms

Loss rate: 0.50%

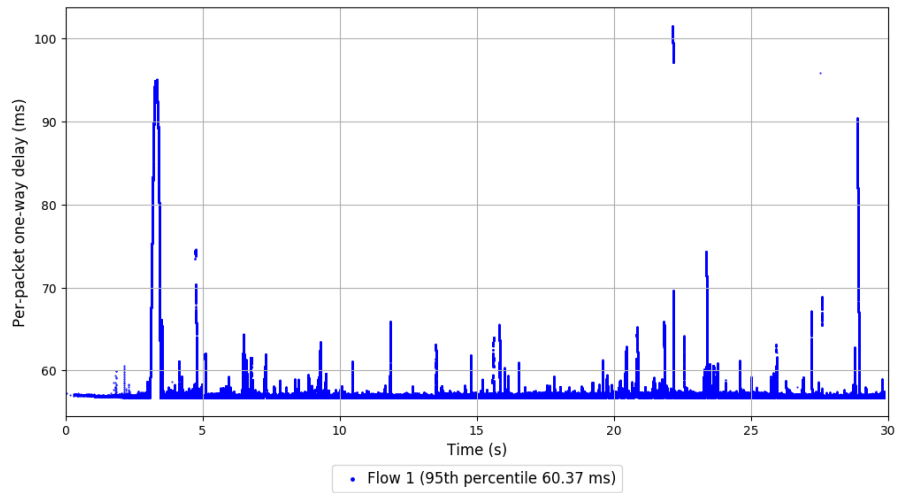
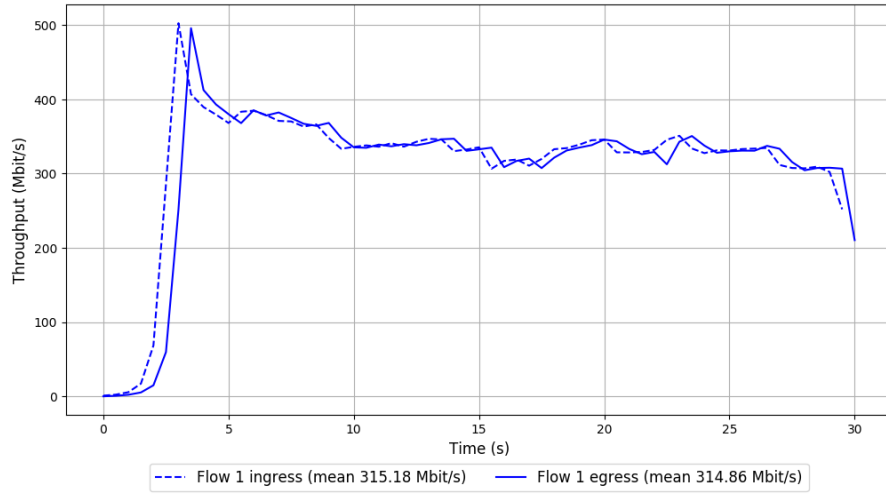
-- Flow 1:

Average throughput: 314.86 Mbit/s

95th percentile per-packet one-way delay: 60.370 ms

Loss rate: 0.50%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

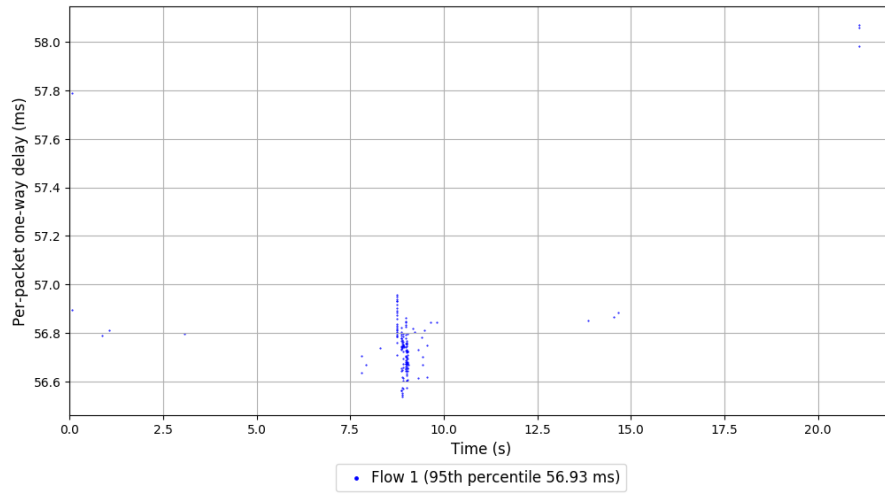
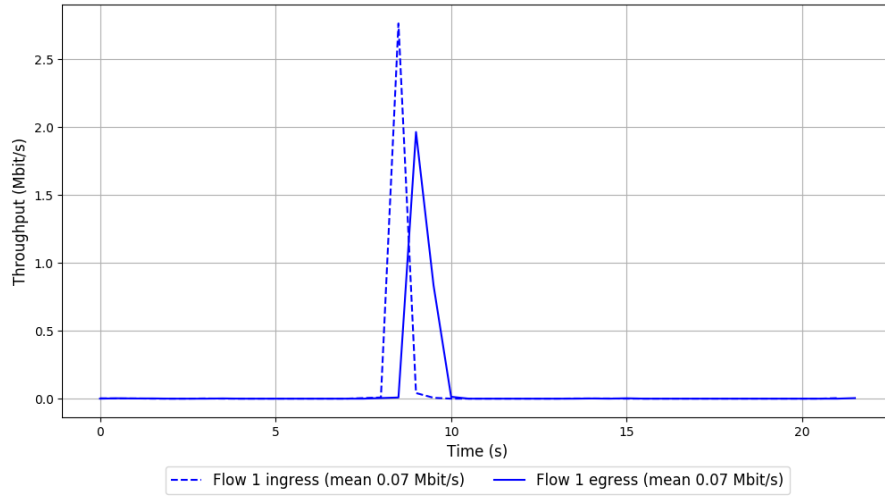
Start at: 2019-05-30 14:32:16

End at: 2019-05-30 14:32:46

Local clock offset: -0.566 ms

Remote clock offset: 0.251 ms

Run 1: Report of WebRTC media — Data Link

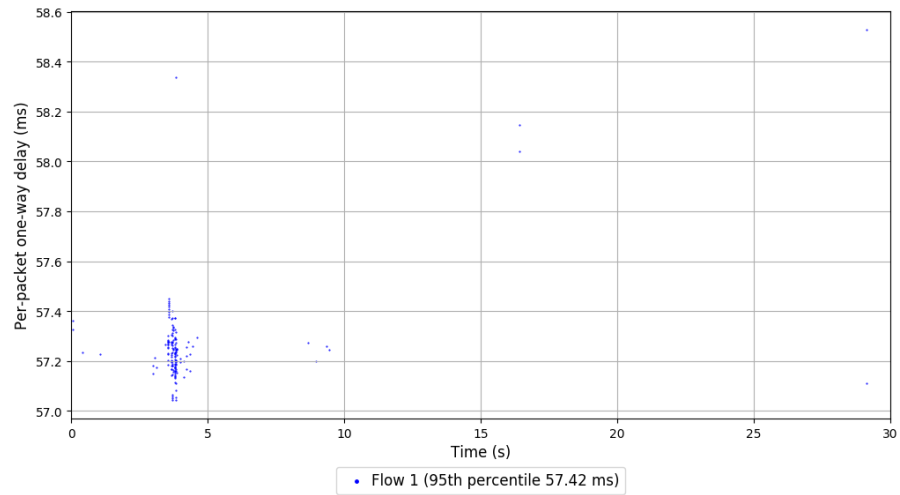
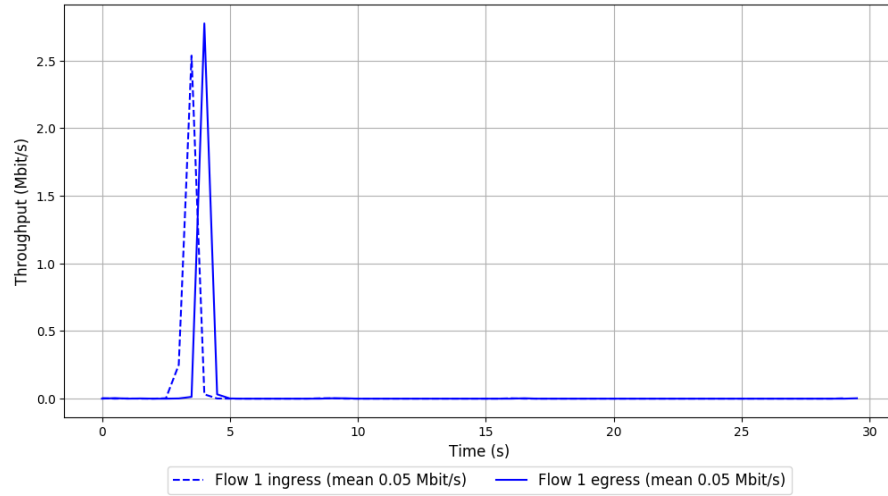


Run 2: Statistics of WebRTC media

Start at: 2019-05-30 15:02:42
End at: 2019-05-30 15:03:12
Local clock offset: 0.04 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-05-30 19:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.417 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

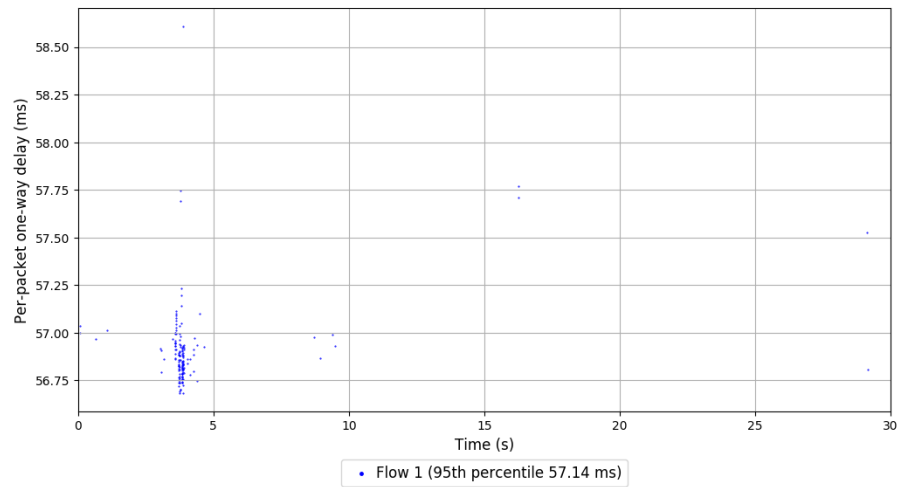
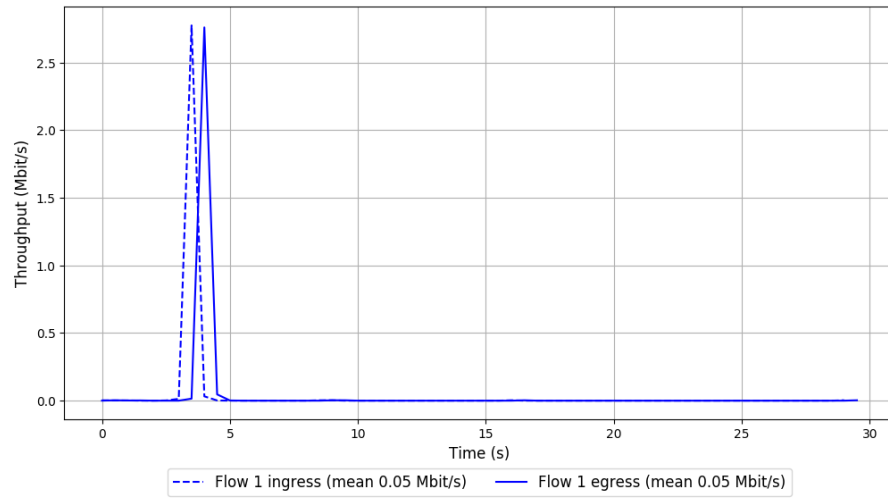


Run 3: Statistics of WebRTC media

Start at: 2019-05-30 15:33:21
End at: 2019-05-30 15:33:51
Local clock offset: -0.345 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-05-30 19:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.140 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

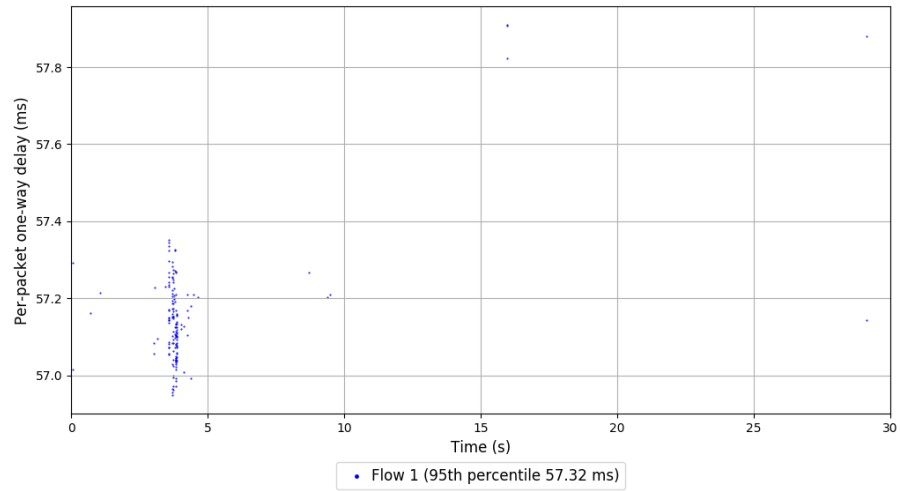
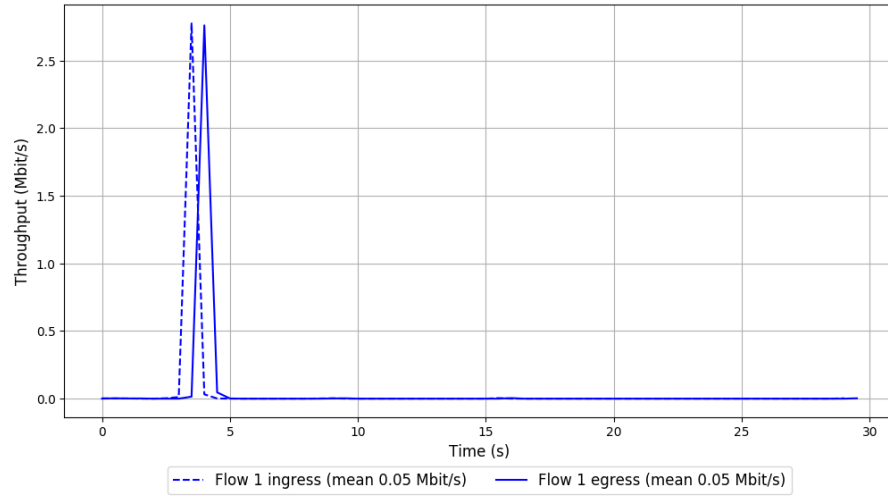


Run 4: Statistics of WebRTC media

Start at: 2019-05-30 16:03:53
End at: 2019-05-30 16:04:23
Local clock offset: -0.094 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2019-05-30 19:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.323 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 16:34:40

End at: 2019-05-30 16:35:10

Local clock offset: -0.06 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2019-05-30 19:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.102 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.102 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

