

Pantheon Report

Generated at 2020-02-19 03:01:03 (UTC).

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

Repeated the test of 24 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:

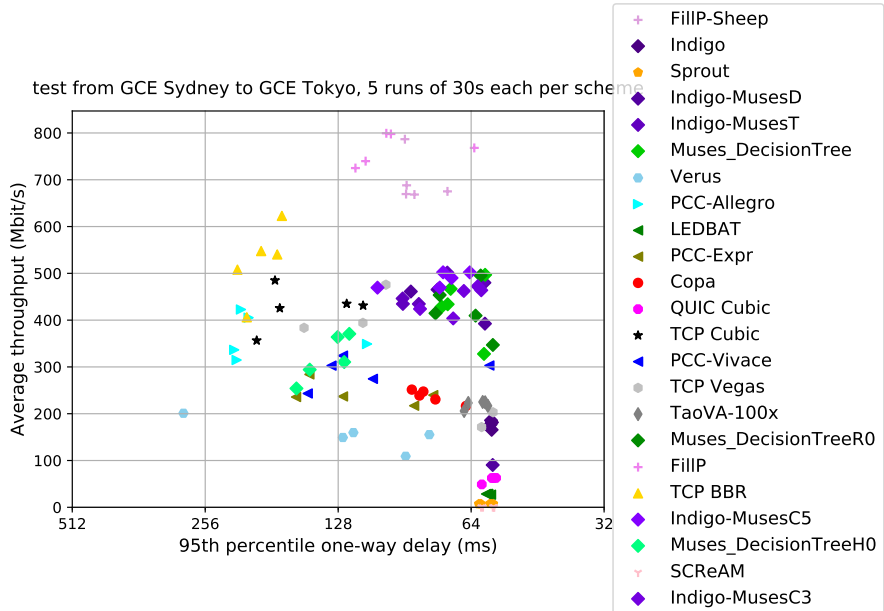
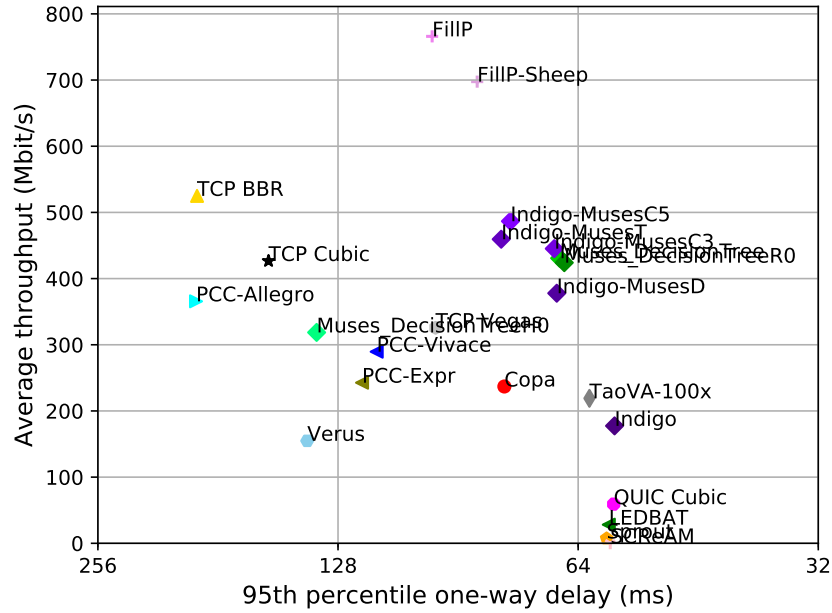
```
Linux 5.0.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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 Sydney to GCE Tokyo, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	524.98	192.28	3.54
Copa	5	236.95	79.19	0.01
TCP Cubic	5	426.60	156.43	0.14
FillP	5	766.00	97.55	0.22
FillP-Sheep	5	697.58	85.65	0.03
Indigo	4	177.44	57.62	0.00
Indigo-MusesC3	5	445.26	68.57	0.01
Indigo-MusesC5	5	486.67	77.82	0.04
Indigo-MusesD	5	377.87	68.08	0.01
Indigo-MusesT	5	459.46	79.92	0.01
LEDBAT	5	28.17	58.59	0.00
Muses_DecisionTree	5	430.79	67.51	0.00
Muses_DecisionTreeH0	5	318.64	136.16	0.29
Muses_DecisionTreeR0	5	424.05	66.61	0.02
PCC-Allegro	5	365.64	192.84	3.44
PCC-Expr	5	242.69	119.43	0.37
QUIC Cubic	4	59.19	57.76	0.00
SCReAM	5	0.22	58.34	0.00
Sprout	5	7.38	58.95	0.00
TaoVA-100x	5	219.05	61.95	0.00
TCP Vegas	5	325.59	96.60	0.17
Verus	5	154.84	139.91	1.84
PCC-Vivace	5	289.53	114.49	0.00
WebRTC media	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2020-02-18 21:43:57

End at: 2020-02-18 21:44:27

Local clock offset: -0.049 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2020-02-19 00:51:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.42 Mbit/s

95th percentile per-packet one-way delay: 175.867 ms

Loss rate: 2.57%

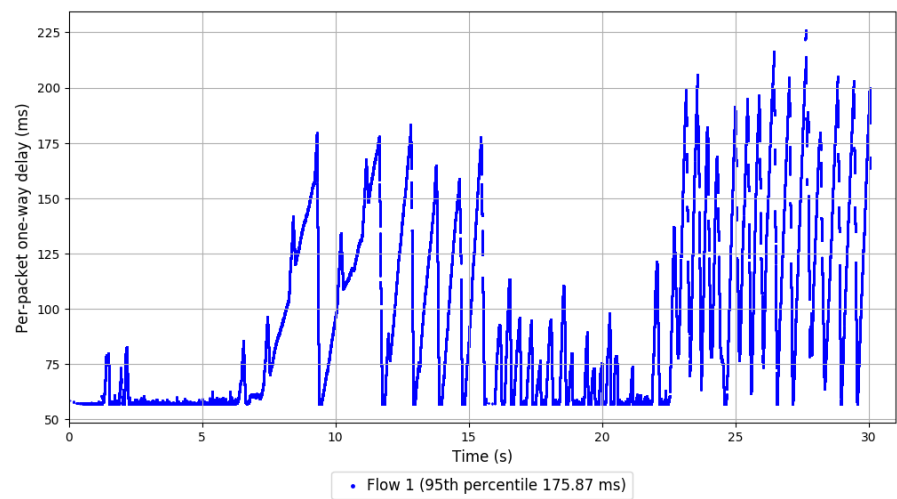
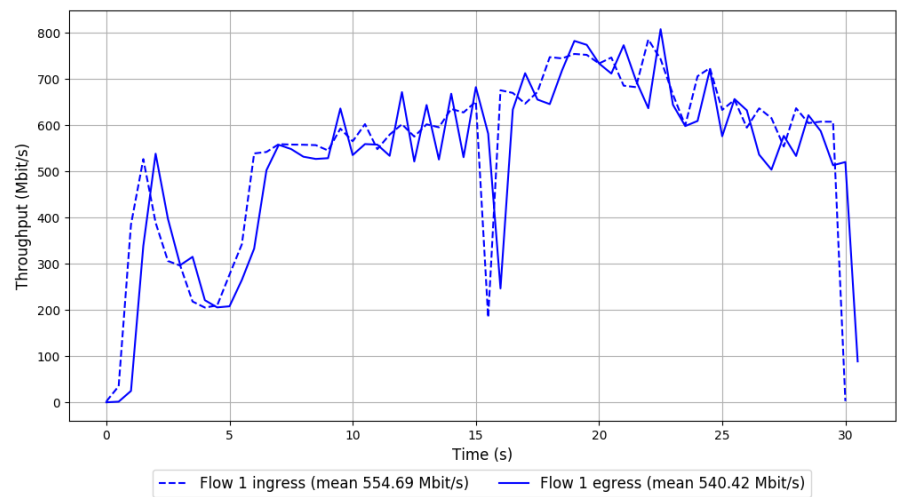
-- Flow 1:

Average throughput: 540.42 Mbit/s

95th percentile per-packet one-way delay: 175.867 ms

Loss rate: 2.57%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-18 22:17:53

End at: 2020-02-18 22:18:23

Local clock offset: -0.16 ms

Remote clock offset: -0.338 ms

Below is generated by plot.py at 2020-02-19 00:51:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.95 Mbit/s

95th percentile per-packet one-way delay: 216.419 ms

Loss rate: 8.97%

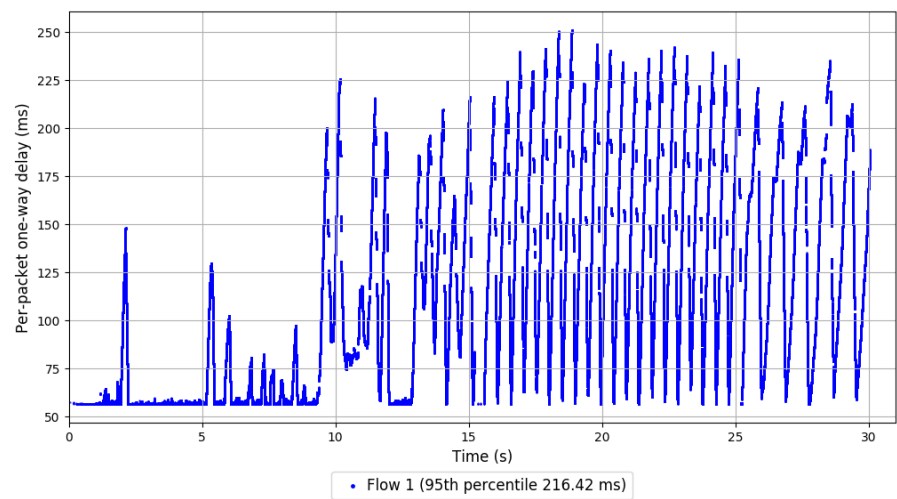
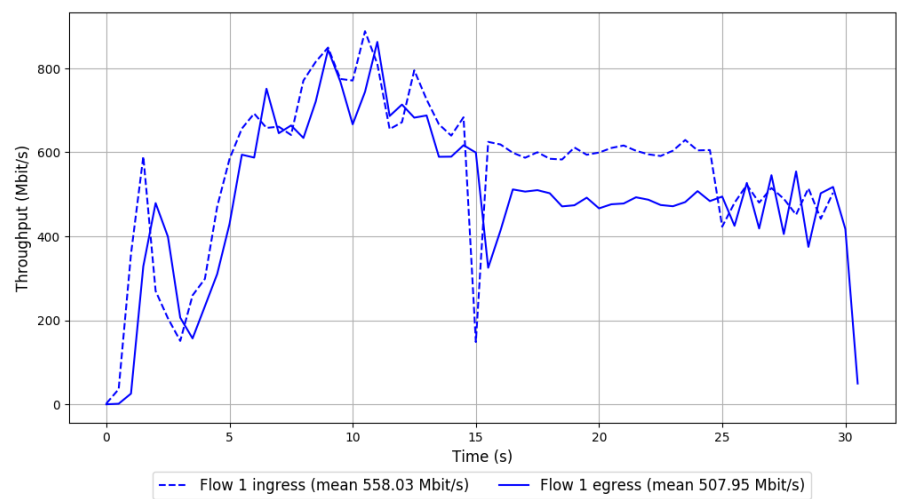
-- Flow 1:

Average throughput: 507.95 Mbit/s

95th percentile per-packet one-way delay: 216.419 ms

Loss rate: 8.97%

Run 2: Report of TCP BBR — Data Link

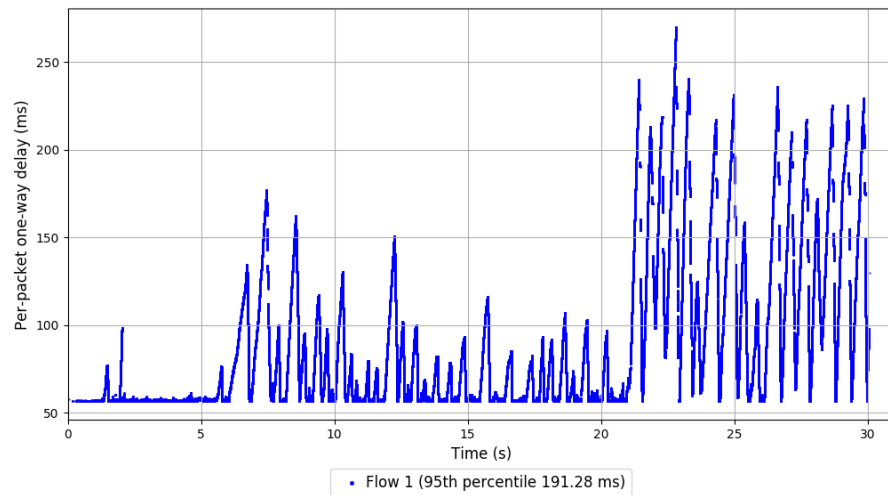
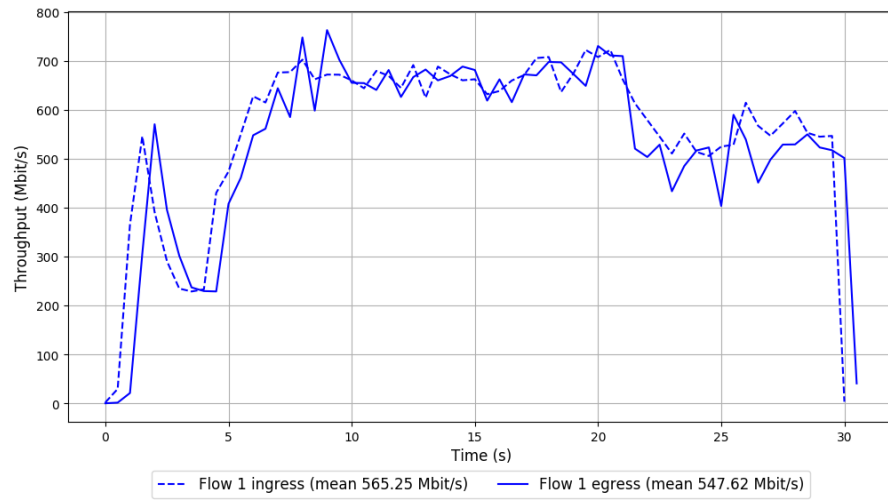


Run 3: Statistics of TCP BBR

Start at: 2020-02-18 22:52:03
End at: 2020-02-18 22:52:33
Local clock offset: -0.191 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2020-02-19 00:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.62 Mbit/s
95th percentile per-packet one-way delay: 191.275 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 547.62 Mbit/s
95th percentile per-packet one-way delay: 191.275 ms
Loss rate: 3.03%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2020-02-18 23:26:37

End at: 2020-02-18 23:27:07

Local clock offset: -0.317 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2020-02-19 00:53:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 622.80 Mbit/s

95th percentile per-packet one-way delay: 171.675 ms

Loss rate: 2.04%

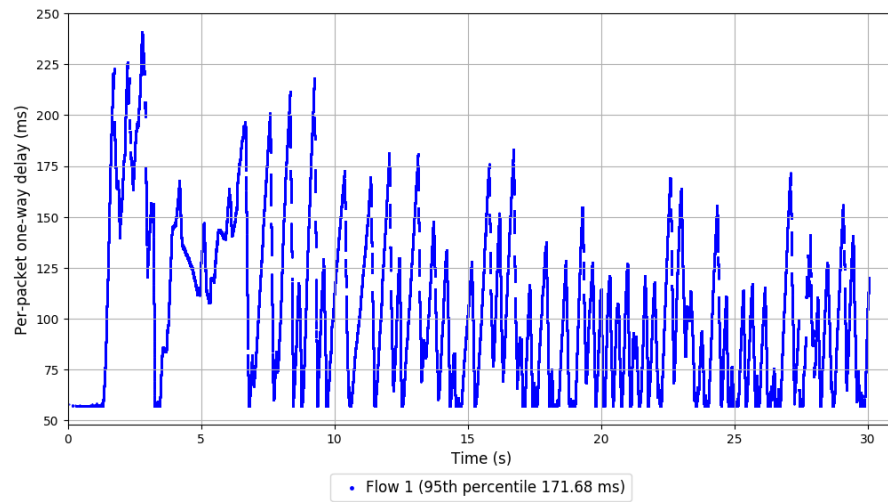
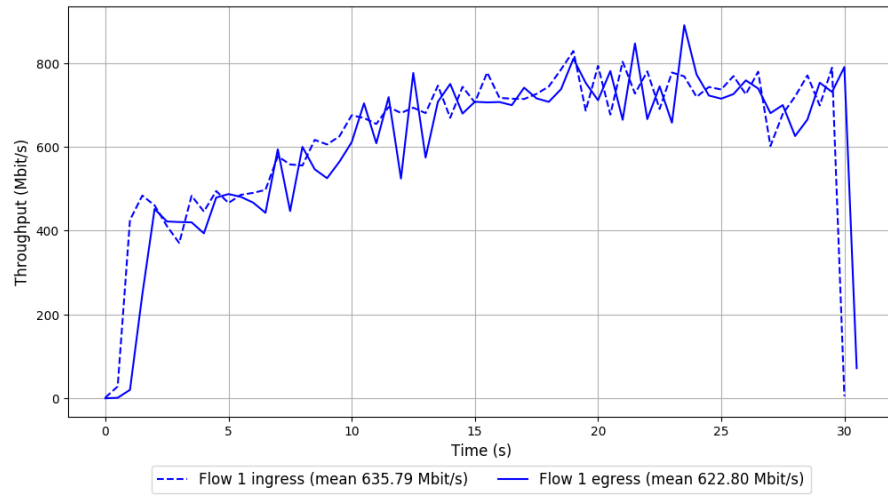
-- Flow 1:

Average throughput: 622.80 Mbit/s

95th percentile per-packet one-way delay: 171.675 ms

Loss rate: 2.04%

Run 4: Report of TCP BBR — Data Link

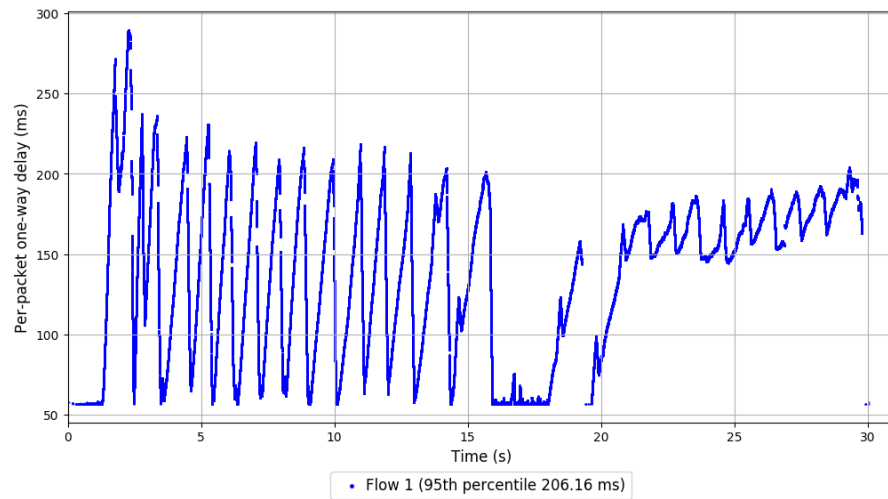
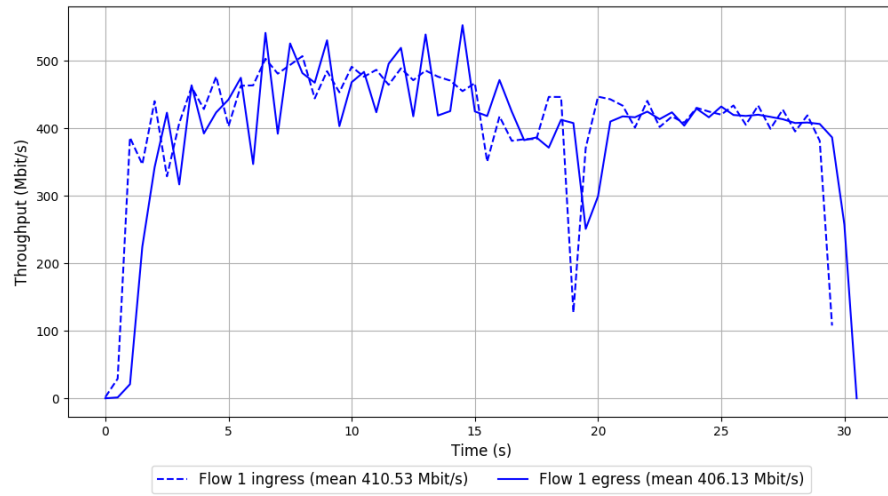


Run 5: Statistics of TCP BBR

Start at: 2020-02-19 00:01:04
End at: 2020-02-19 00:01:34
Local clock offset: -0.391 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2020-02-19 00:53:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 406.13 Mbit/s
95th percentile per-packet one-way delay: 206.157 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 406.13 Mbit/s
95th percentile per-packet one-way delay: 206.157 ms
Loss rate: 1.07%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2020-02-18 21:54:18

End at: 2020-02-18 21:54:48

Local clock offset: -0.084 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2020-02-19 00:53:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.56 Mbit/s

95th percentile per-packet one-way delay: 77.114 ms

Loss rate: 0.00%

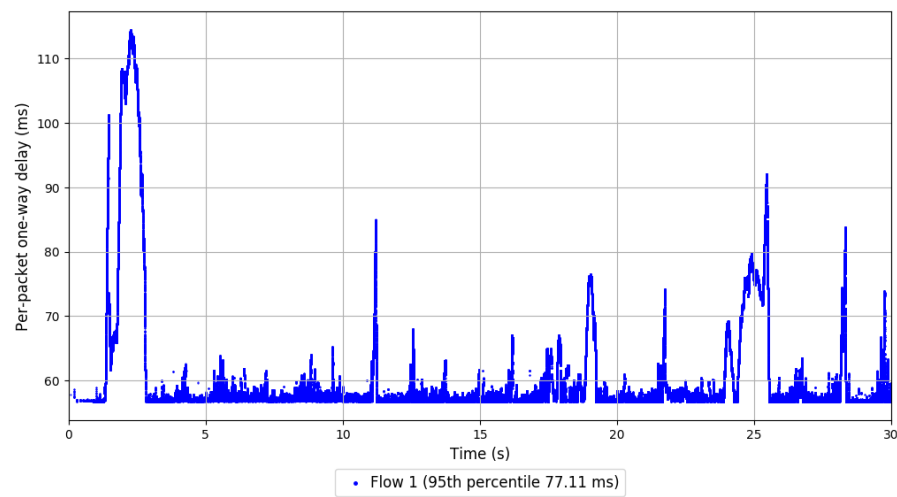
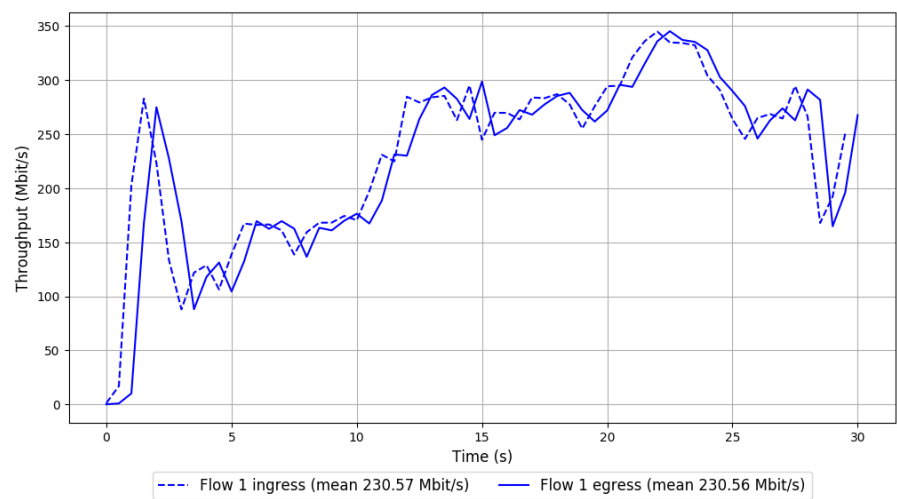
-- Flow 1:

Average throughput: 230.56 Mbit/s

95th percentile per-packet one-way delay: 77.114 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

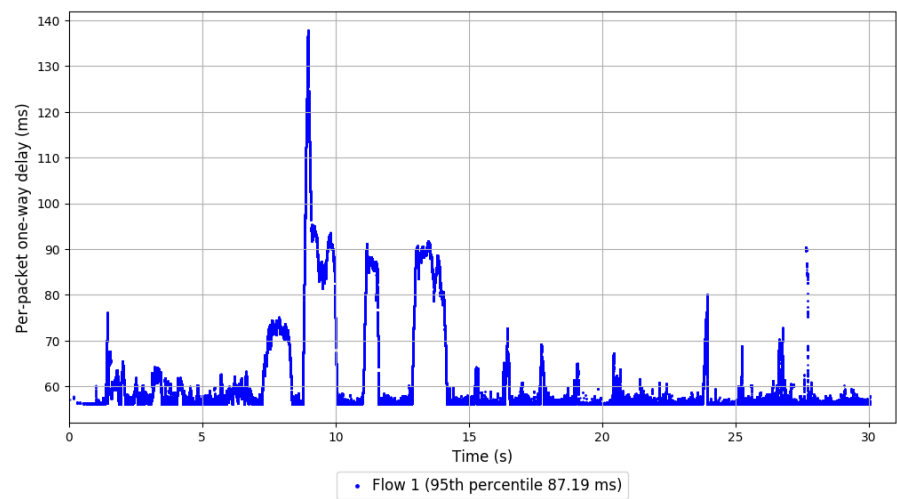
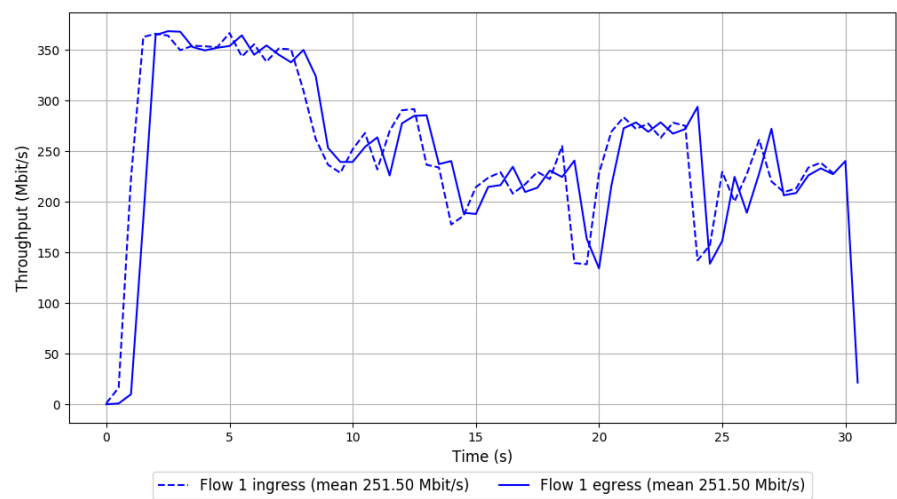


Run 2: Statistics of Copa

Start at: 2020-02-18 22:28:15
End at: 2020-02-18 22:28:45
Local clock offset: 0.15 ms
Remote clock offset: -0.504 ms

Below is generated by plot.py at 2020-02-19 00:53:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.50 Mbit/s
95th percentile per-packet one-way delay: 87.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.50 Mbit/s
95th percentile per-packet one-way delay: 87.188 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

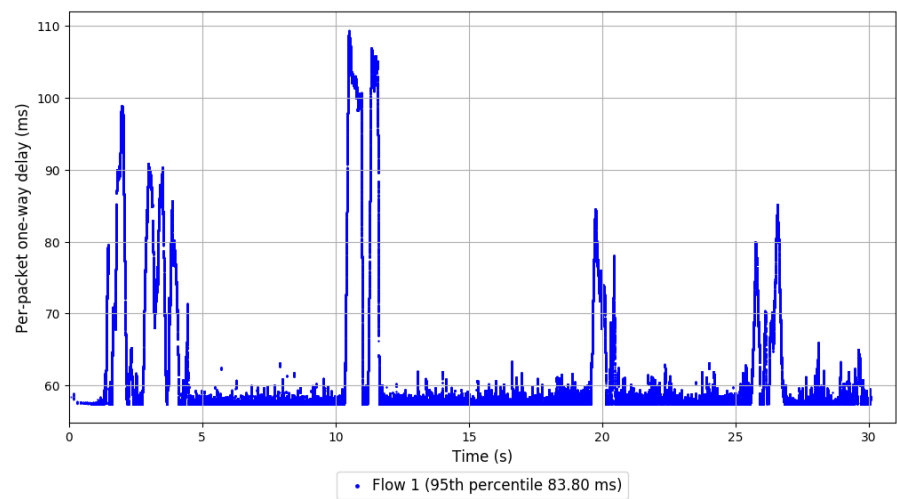
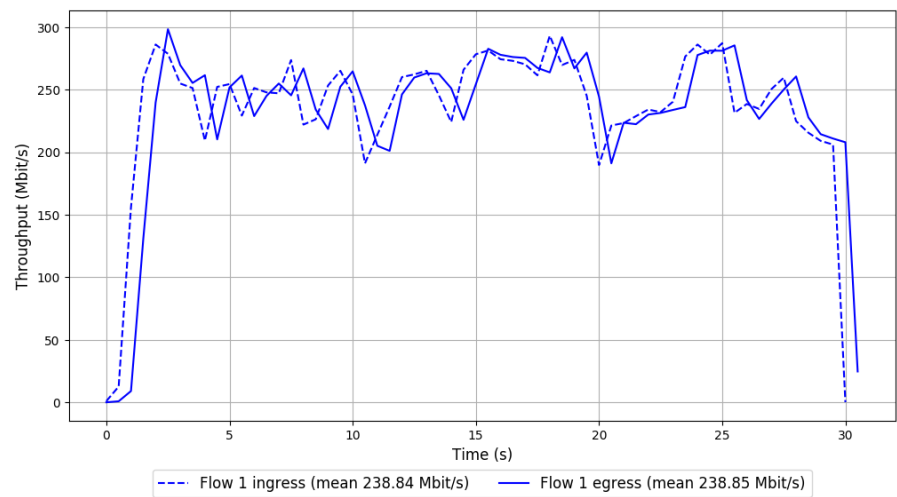


Run 3: Statistics of Copa

Start at: 2020-02-18 23:02:40
End at: 2020-02-18 23:03:10
Local clock offset: -0.66 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2020-02-19 00:53:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.85 Mbit/s
95th percentile per-packet one-way delay: 83.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.85 Mbit/s
95th percentile per-packet one-way delay: 83.797 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

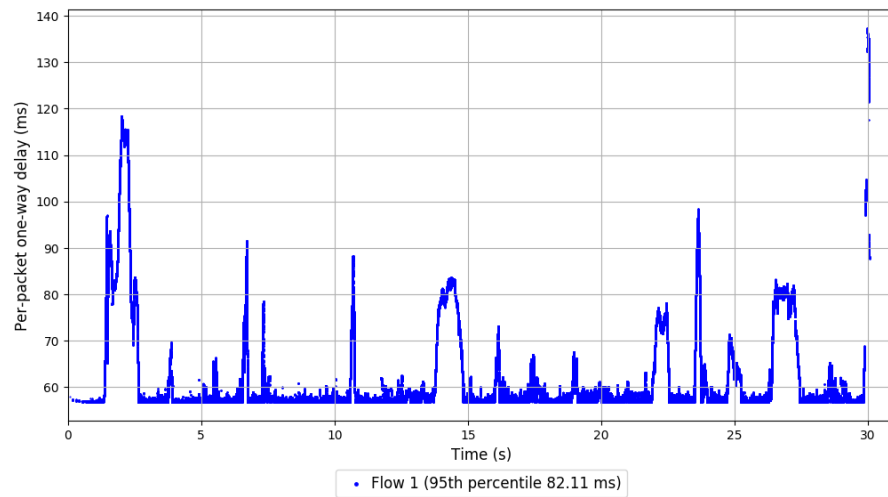
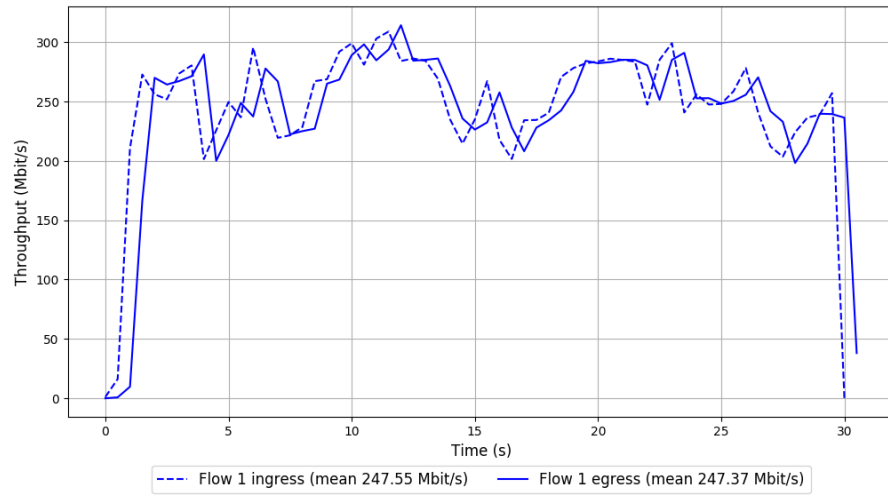


Run 4: Statistics of Copa

Start at: 2020-02-18 23:37:26
End at: 2020-02-18 23:37:56
Local clock offset: -0.298 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2020-02-19 01:00:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.37 Mbit/s
95th percentile per-packet one-way delay: 82.112 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 247.37 Mbit/s
95th percentile per-packet one-way delay: 82.112 ms
Loss rate: 0.07%

Run 4: Report of Copa — Data Link

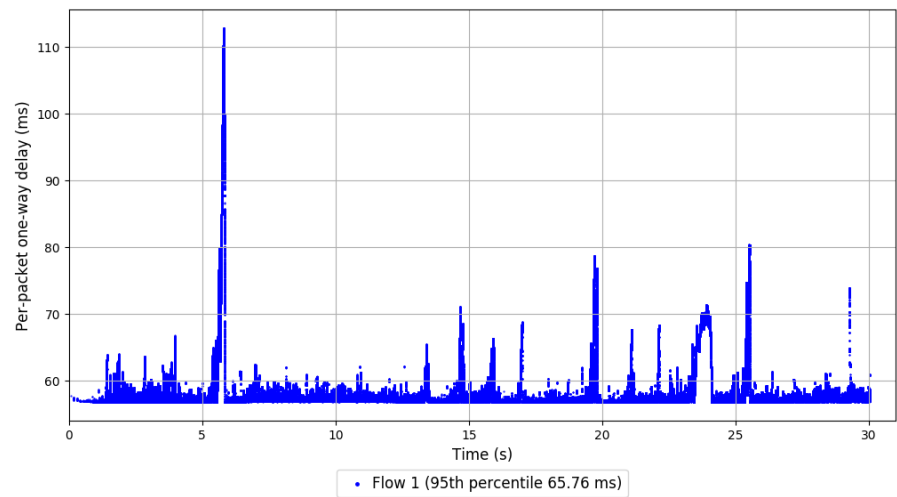
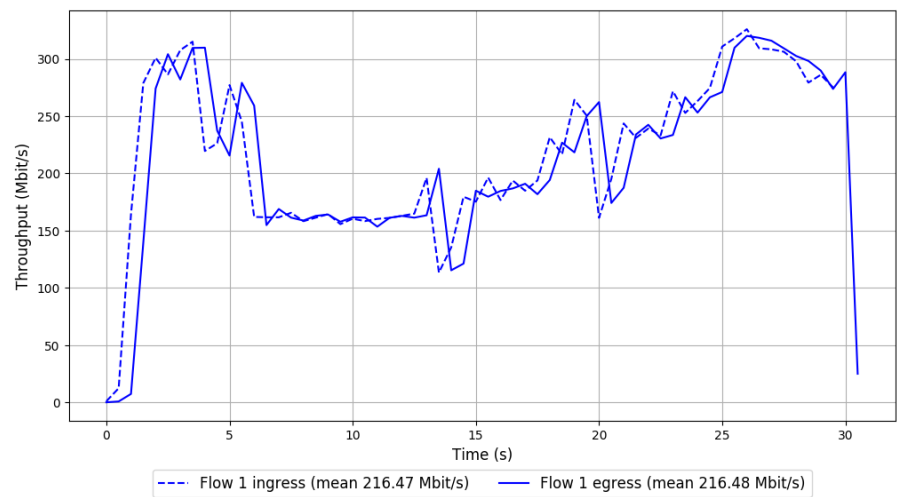


Run 5: Statistics of Copa

Start at: 2020-02-19 00:11:11
End at: 2020-02-19 00:11:41
Local clock offset: -0.43 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2020-02-19 01:00:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.48 Mbit/s
95th percentile per-packet one-way delay: 65.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.48 Mbit/s
95th percentile per-packet one-way delay: 65.757 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

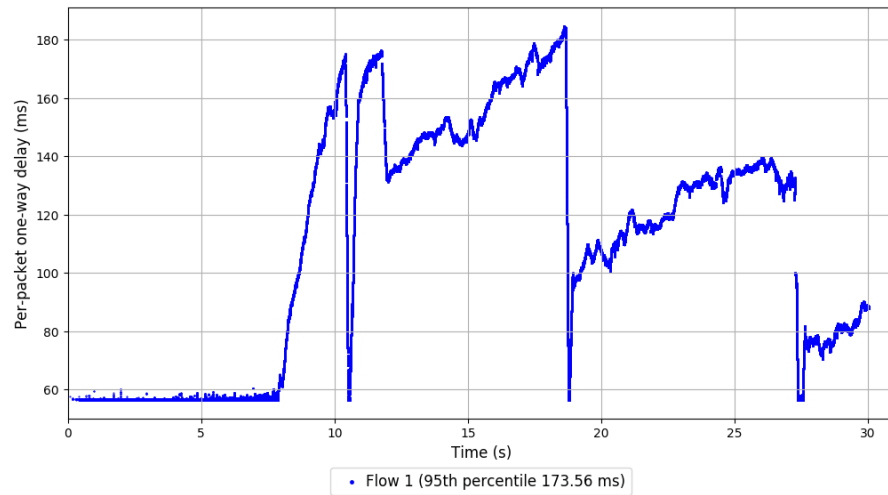
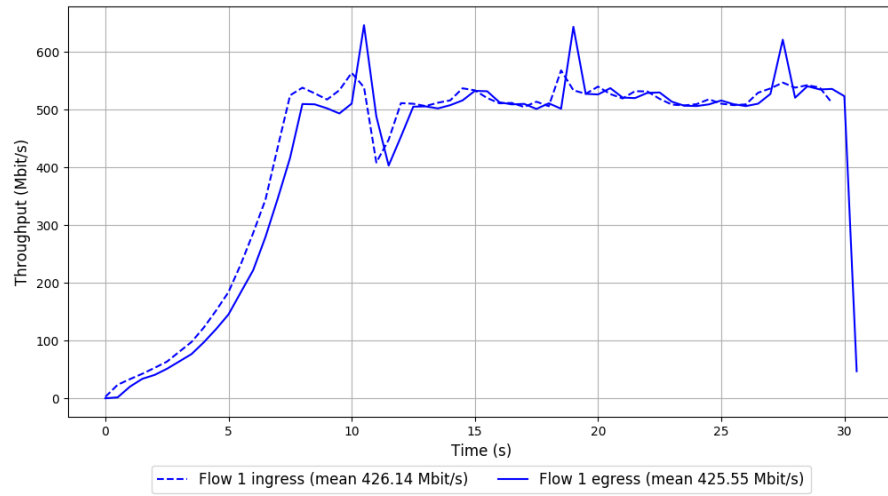


Run 1: Statistics of TCP Cubic

Start at: 2020-02-18 21:42:27
End at: 2020-02-18 21:42:57
Local clock offset: 0.313 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2020-02-19 01:00:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.55 Mbit/s
95th percentile per-packet one-way delay: 173.557 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 425.55 Mbit/s
95th percentile per-packet one-way delay: 173.557 ms
Loss rate: 0.14%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2020-02-18 22:16:26

End at: 2020-02-18 22:16:56

Local clock offset: -0.158 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2020-02-19 01:00:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.44 Mbit/s

95th percentile per-packet one-way delay: 195.772 ms

Loss rate: 0.06%

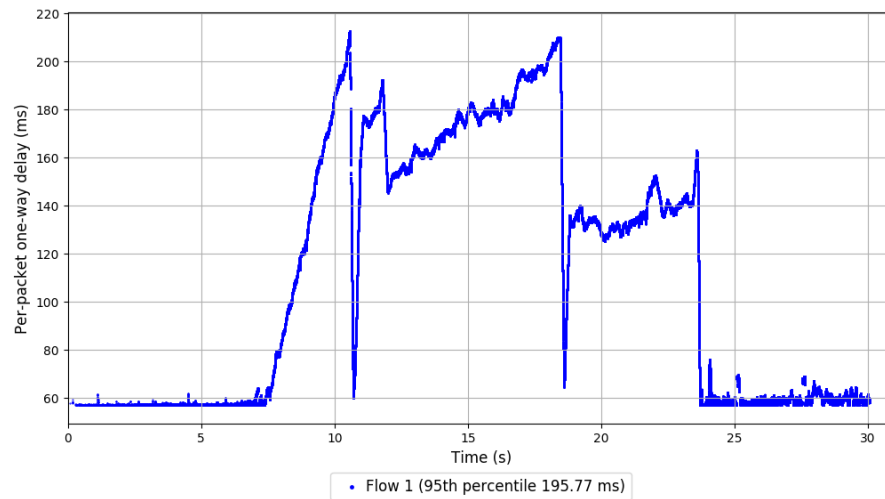
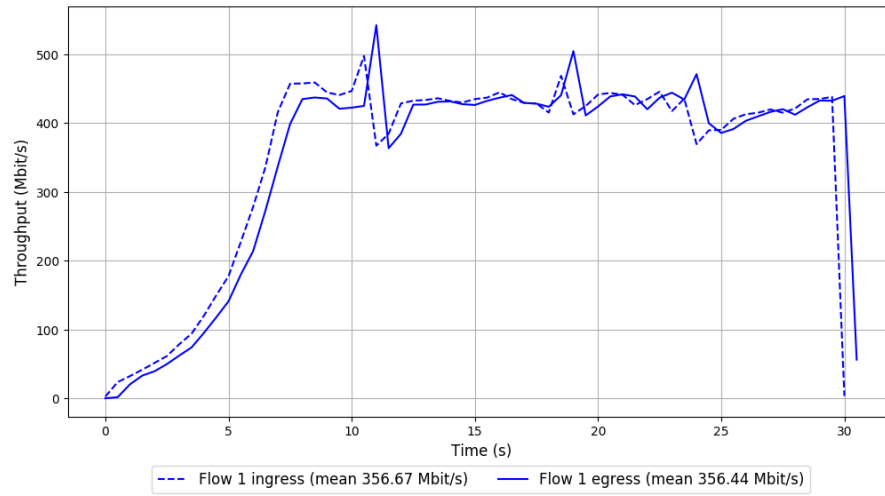
-- Flow 1:

Average throughput: 356.44 Mbit/s

95th percentile per-packet one-way delay: 195.772 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2020-02-18 22:50:30

End at: 2020-02-18 22:51:00

Local clock offset: -0.214 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2020-02-19 01:03:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.89 Mbit/s

95th percentile per-packet one-way delay: 177.949 ms

Loss rate: 0.10%

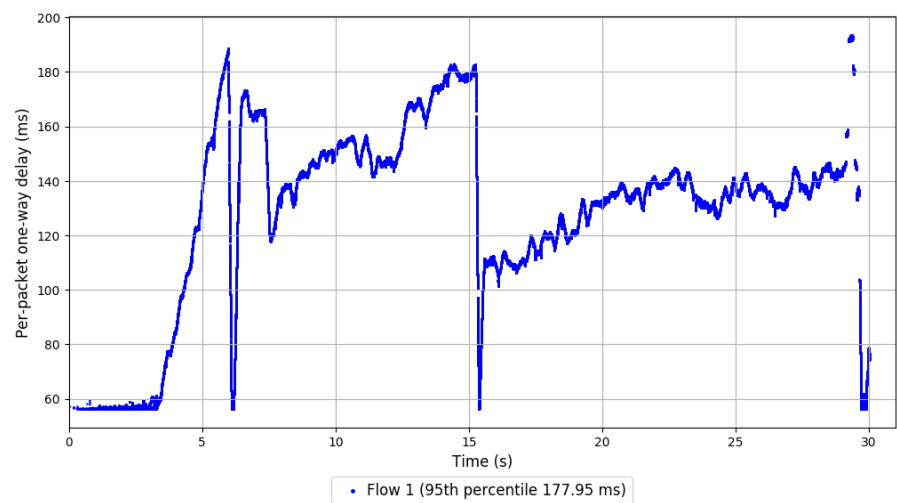
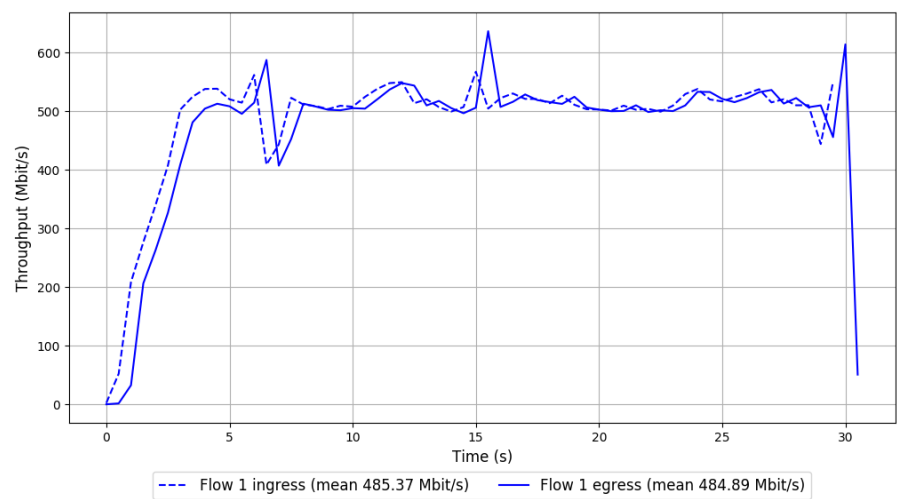
-- Flow 1:

Average throughput: 484.89 Mbit/s

95th percentile per-packet one-way delay: 177.949 ms

Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

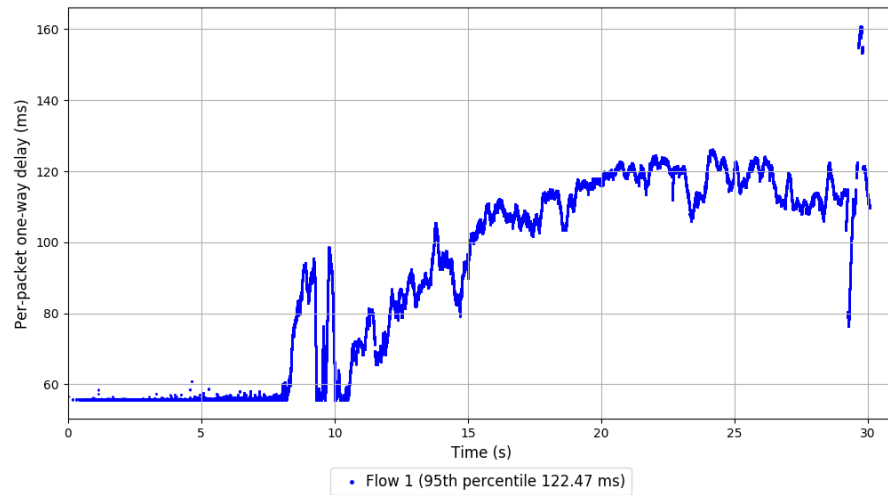
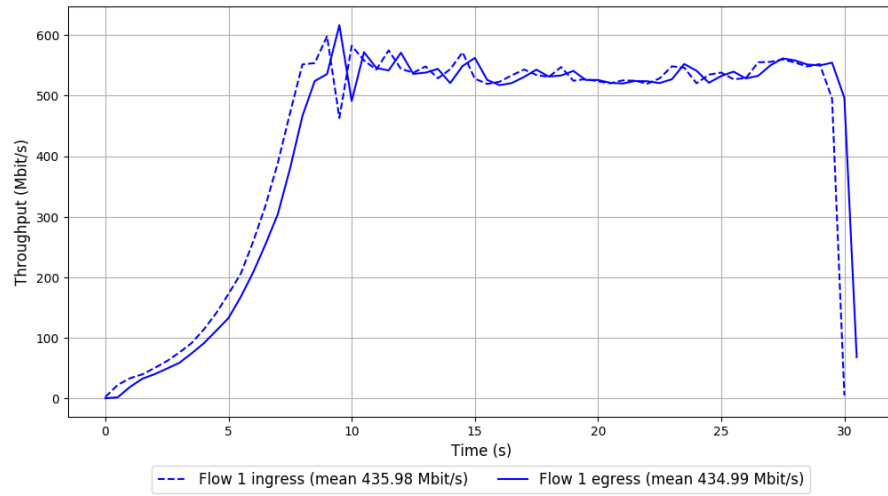


Run 4: Statistics of TCP Cubic

Start at: 2020-02-18 23:25:07
End at: 2020-02-18 23:25:37
Local clock offset: 0.038 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2020-02-19 01:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.99 Mbit/s
95th percentile per-packet one-way delay: 122.467 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 434.99 Mbit/s
95th percentile per-packet one-way delay: 122.467 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-18 23:59:34

End at: 2020-02-19 00:00:04

Local clock offset: -0.044 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2020-02-19 01:03:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.13 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.18%

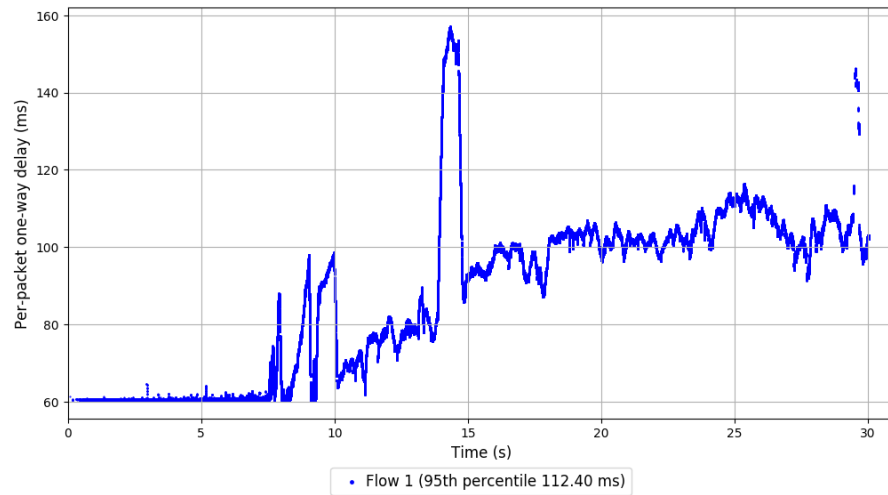
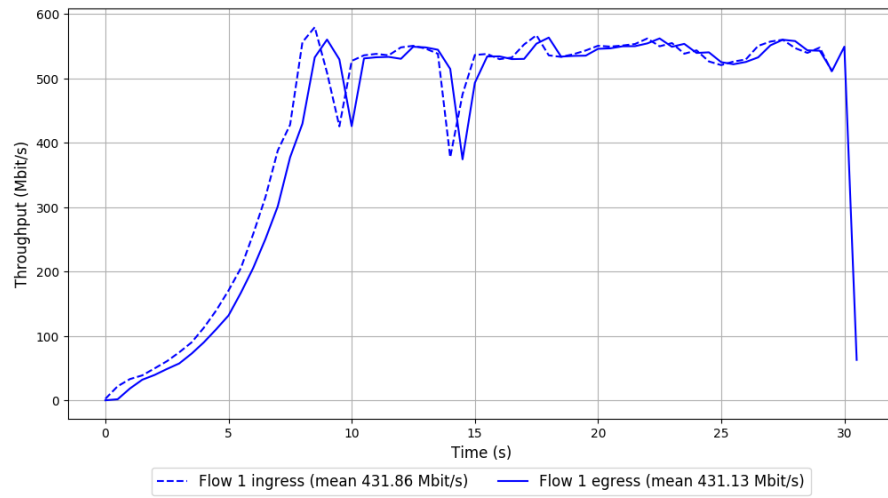
-- Flow 1:

Average throughput: 431.13 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 0.18%

Run 5: Report of TCP Cubic — Data Link

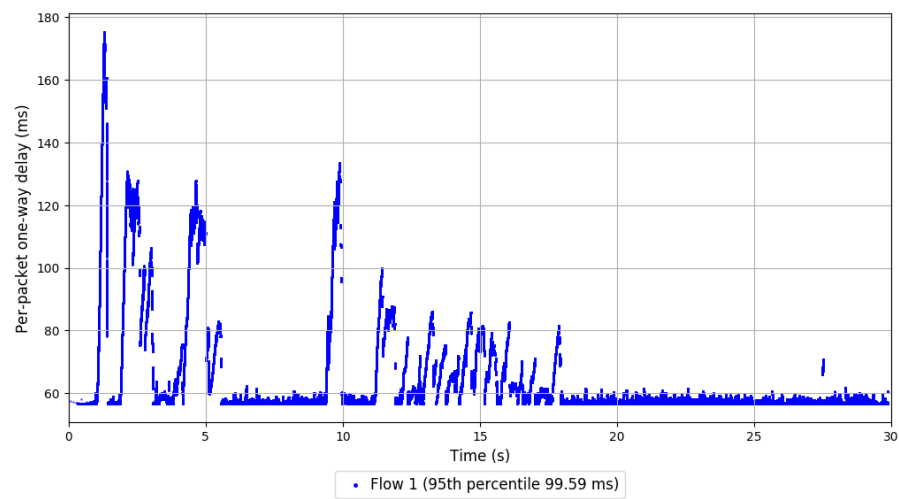
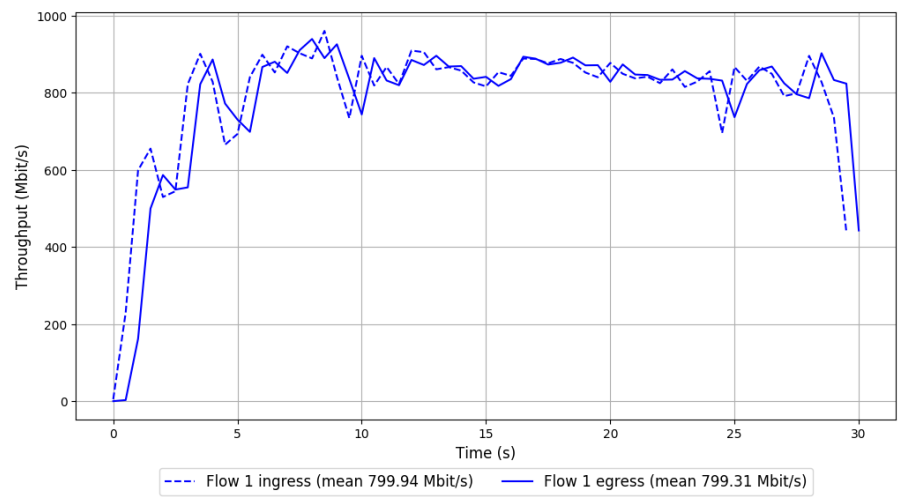


Run 1: Statistics of FillP

Start at: 2020-02-18 21:45:30
End at: 2020-02-18 21:46:00
Local clock offset: -0.07 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2020-02-19 01:19:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 799.31 Mbit/s
95th percentile per-packet one-way delay: 99.593 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 799.31 Mbit/s
95th percentile per-packet one-way delay: 99.593 ms
Loss rate: 0.21%

Run 1: Report of FillP — Data Link

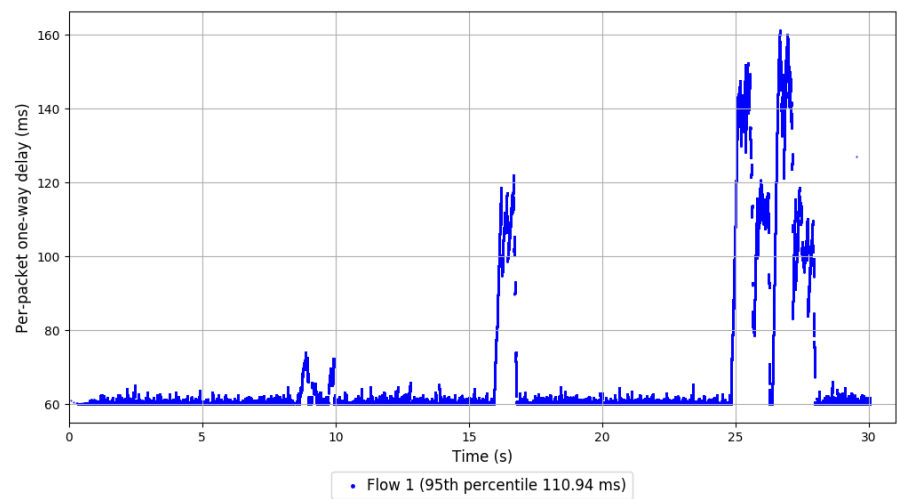
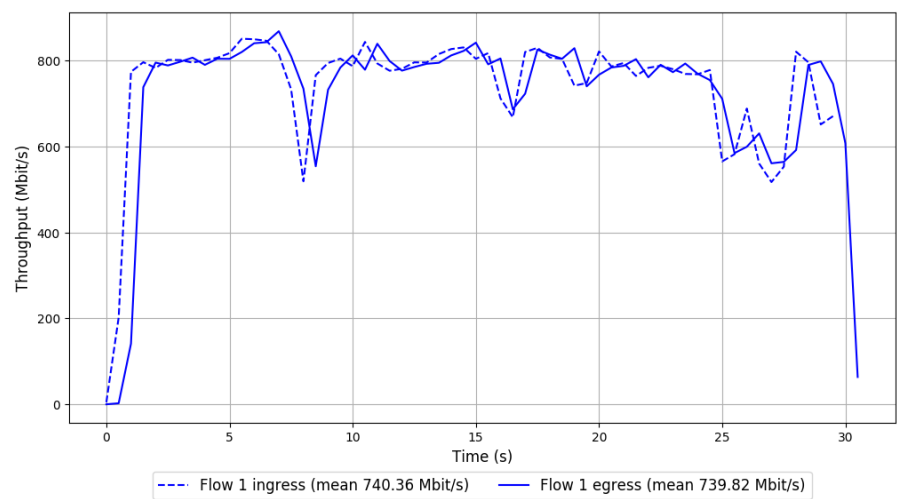


Run 2: Statistics of FillP

Start at: 2020-02-18 22:19:24
End at: 2020-02-18 22:19:54
Local clock offset: -0.13 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2020-02-19 01:22:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.82 Mbit/s
95th percentile per-packet one-way delay: 110.944 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 739.82 Mbit/s
95th percentile per-packet one-way delay: 110.944 ms
Loss rate: 0.08%

Run 2: Report of FillP — Data Link

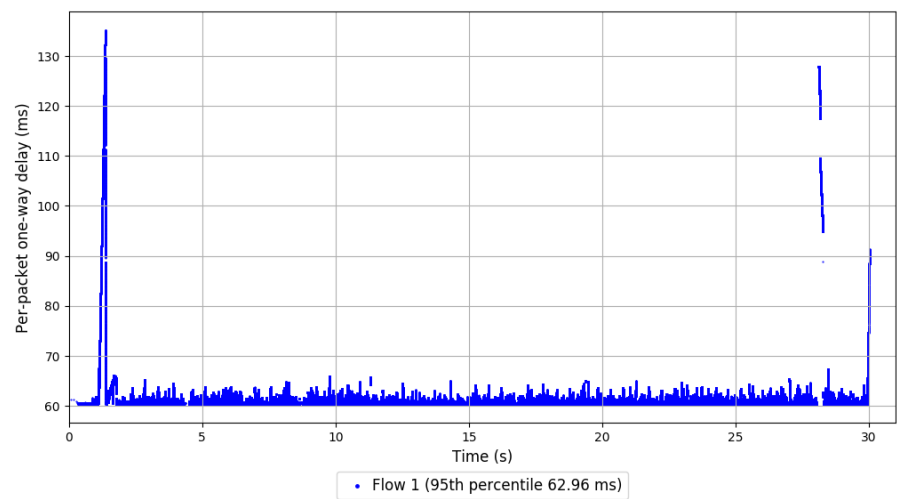
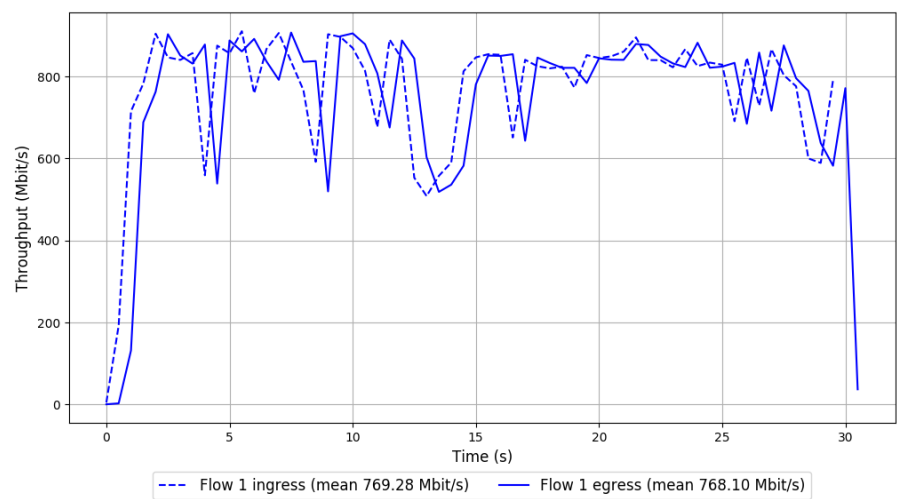


Run 3: Statistics of FillP

Start at: 2020-02-18 22:53:36
End at: 2020-02-18 22:54:06
Local clock offset: -0.22 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2020-02-19 01:23:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 768.10 Mbit/s
95th percentile per-packet one-way delay: 62.961 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 768.10 Mbit/s
95th percentile per-packet one-way delay: 62.961 ms
Loss rate: 0.16%

Run 3: Report of FillP — Data Link

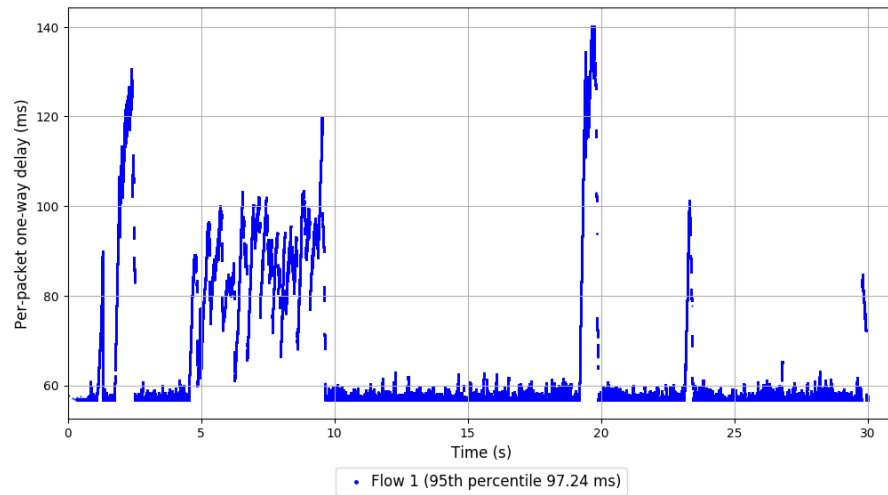
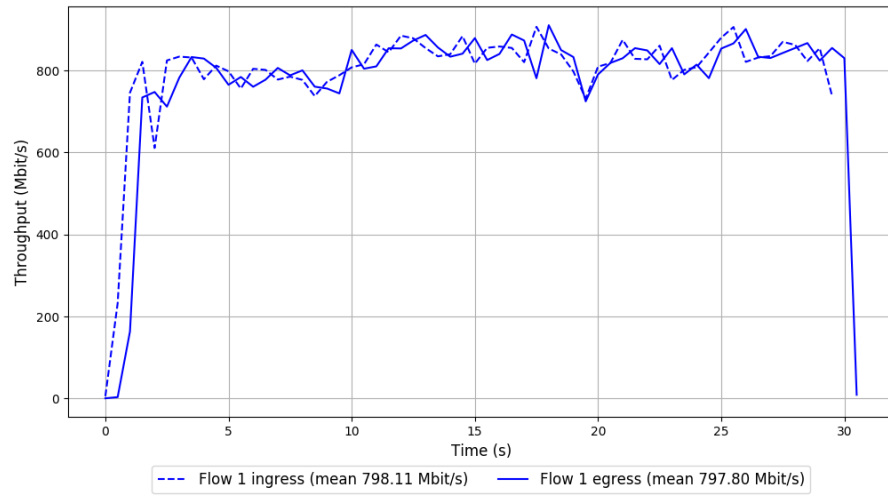


Run 4: Statistics of FillP

Start at: 2020-02-18 23:28:13
End at: 2020-02-18 23:28:43
Local clock offset: -0.336 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2020-02-19 01:25:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 797.80 Mbit/s
95th percentile per-packet one-way delay: 97.240 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 797.80 Mbit/s
95th percentile per-packet one-way delay: 97.240 ms
Loss rate: 0.04%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2020-02-19 00:02:32

End at: 2020-02-19 00:03:02

Local clock offset: -0.726 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2020-02-19 01:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 724.99 Mbit/s

95th percentile per-packet one-way delay: 116.991 ms

Loss rate: 0.62%

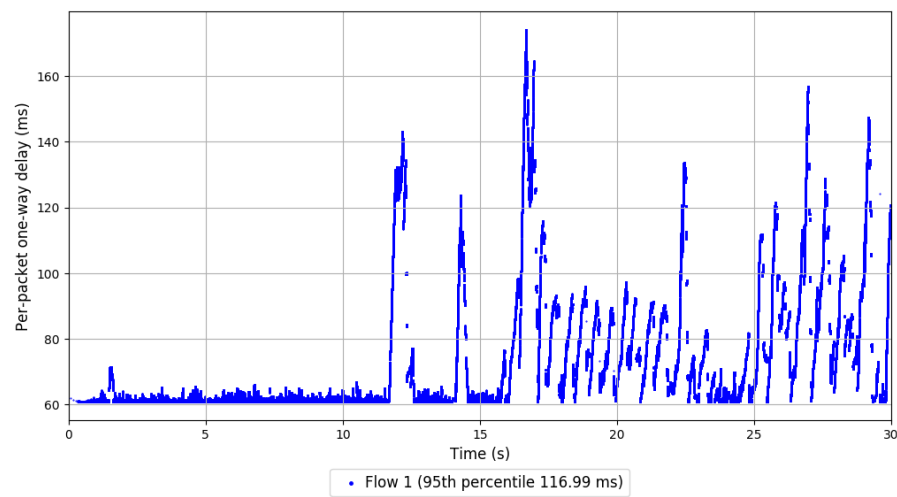
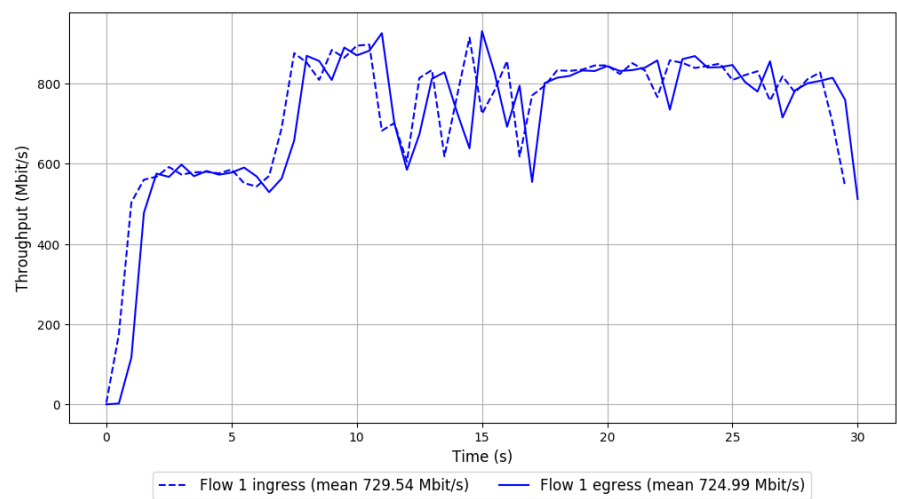
-- Flow 1:

Average throughput: 724.99 Mbit/s

95th percentile per-packet one-way delay: 116.991 ms

Loss rate: 0.62%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2020-02-18 21:55:49

End at: 2020-02-18 21:56:19

Local clock offset: -0.11 ms

Remote clock offset: 1.2 ms

Below is generated by plot.py at 2020-02-19 01:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 675.17 Mbit/s

95th percentile per-packet one-way delay: 72.407 ms

Loss rate: 0.00%

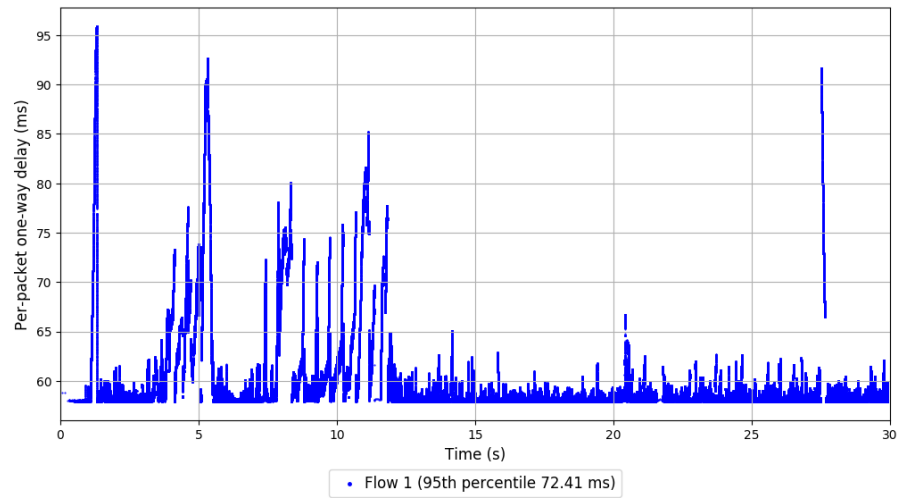
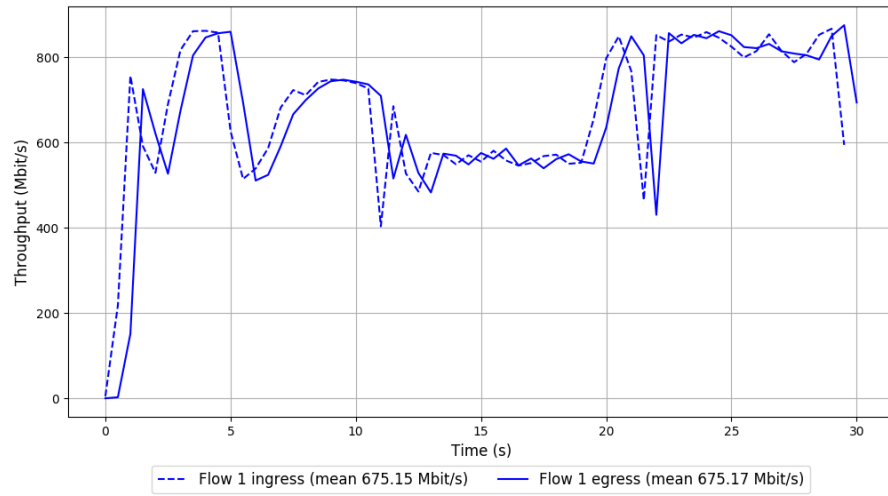
-- Flow 1:

Average throughput: 675.17 Mbit/s

95th percentile per-packet one-way delay: 72.407 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

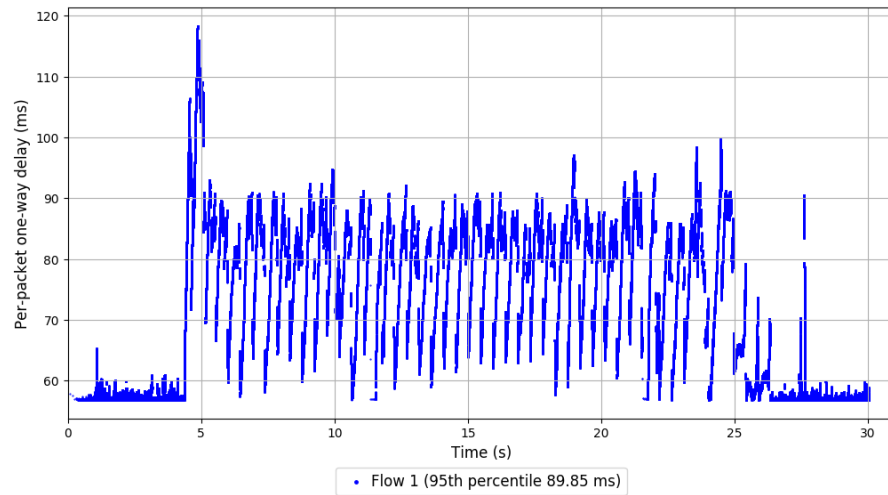
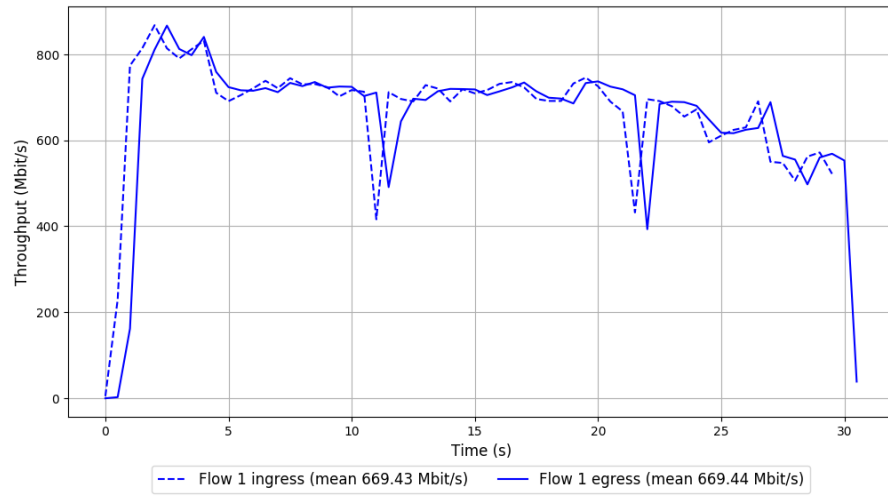


Run 2: Statistics of FillP-Sheep

Start at: 2020-02-18 22:29:47
End at: 2020-02-18 22:30:17
Local clock offset: -0.163 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2020-02-19 01:25:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 669.44 Mbit/s
95th percentile per-packet one-way delay: 89.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 669.44 Mbit/s
95th percentile per-packet one-way delay: 89.852 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

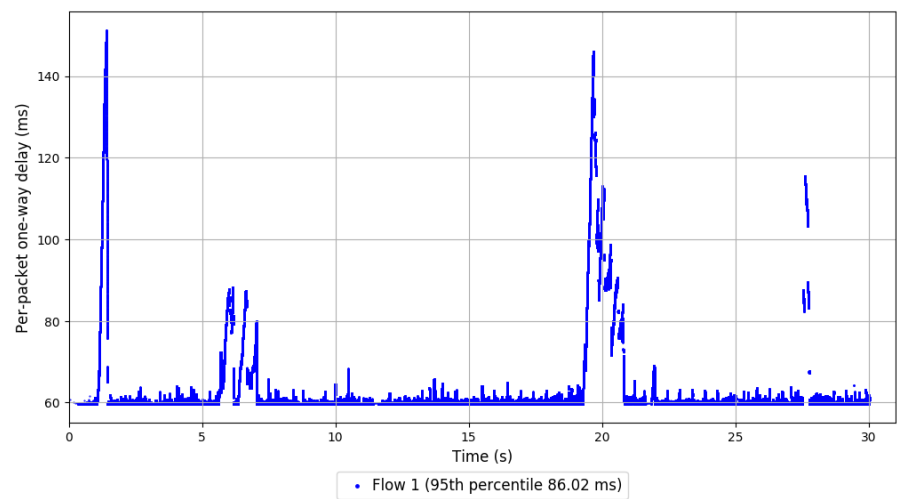
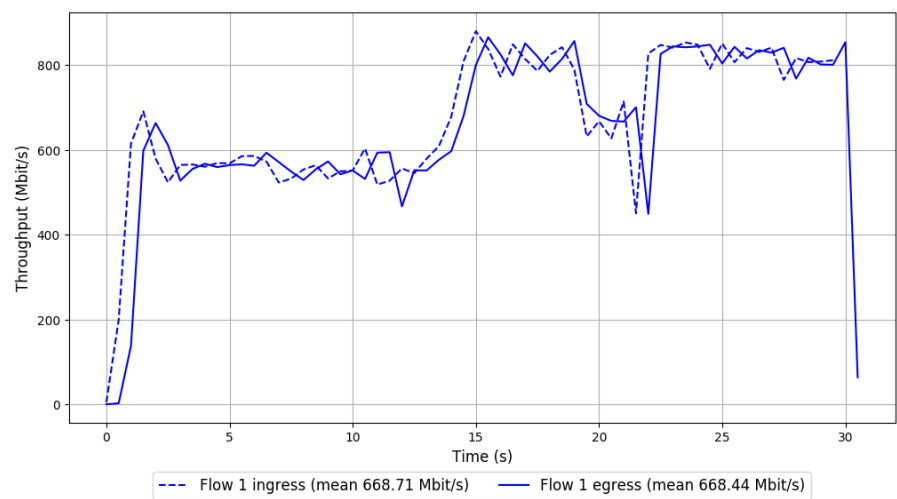


Run 3: Statistics of FillP-Sheep

Start at: 2020-02-18 23:04:11
End at: 2020-02-18 23:04:41
Local clock offset: -0.282 ms
Remote clock offset: -0.629 ms

Below is generated by plot.py at 2020-02-19 01:25:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.44 Mbit/s
95th percentile per-packet one-way delay: 86.017 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 668.44 Mbit/s
95th percentile per-packet one-way delay: 86.017 ms
Loss rate: 0.05%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2020-02-18 23:38:57

End at: 2020-02-18 23:39:27

Local clock offset: -0.695 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2020-02-19 01:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.69 Mbit/s

95th percentile per-packet one-way delay: 90.403 ms

Loss rate: 0.00%

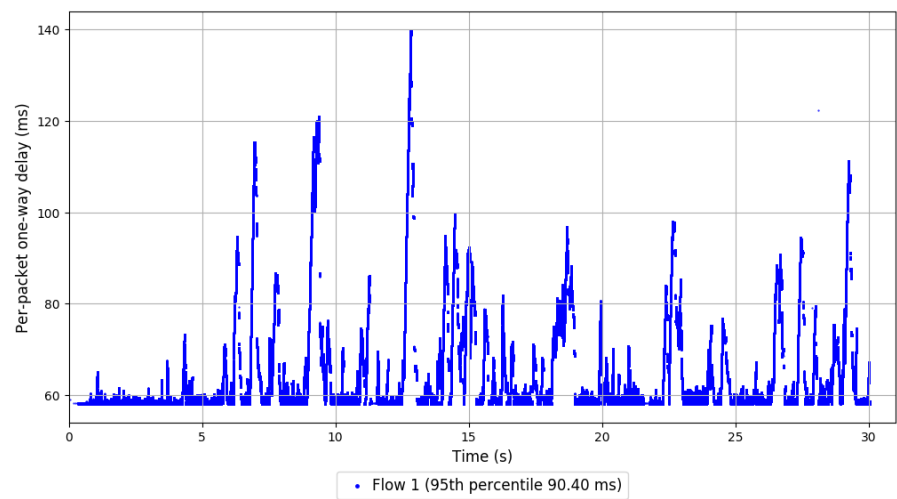
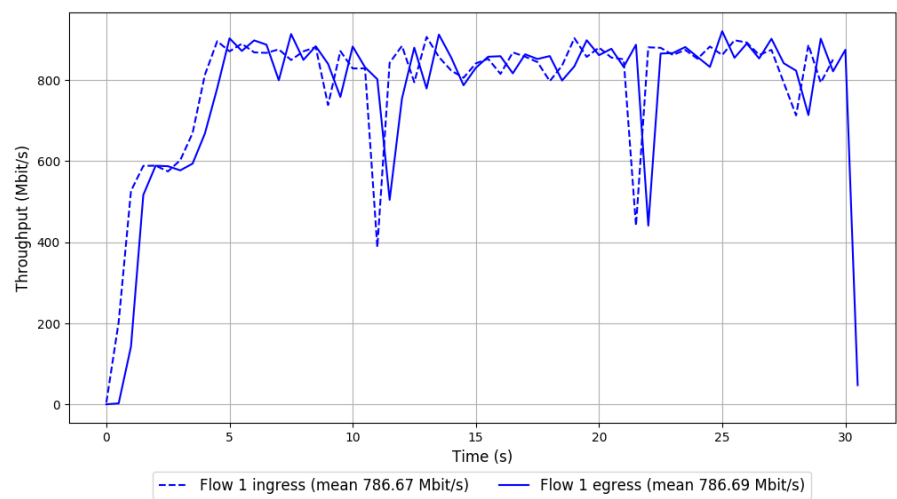
-- Flow 1:

Average throughput: 786.69 Mbit/s

95th percentile per-packet one-way delay: 90.403 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

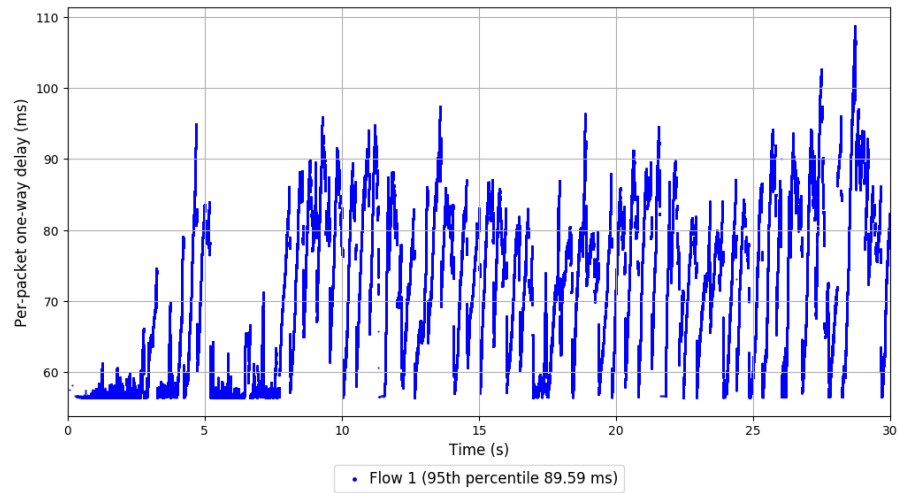
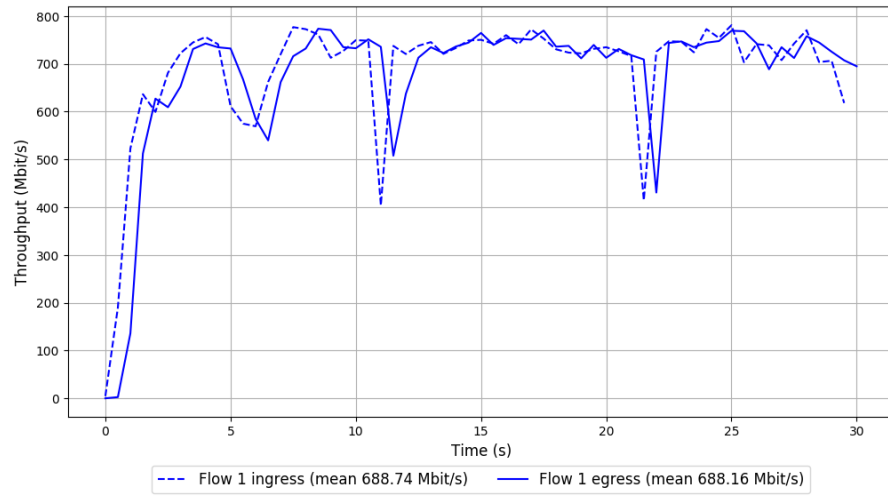


Run 5: Statistics of FillP-Sheep

Start at: 2020-02-19 00:12:39
End at: 2020-02-19 00:13:09
Local clock offset: -0.068 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 688.16 Mbit/s
95th percentile per-packet one-way delay: 89.594 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 688.16 Mbit/s
95th percentile per-packet one-way delay: 89.594 ms
Loss rate: 0.09%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

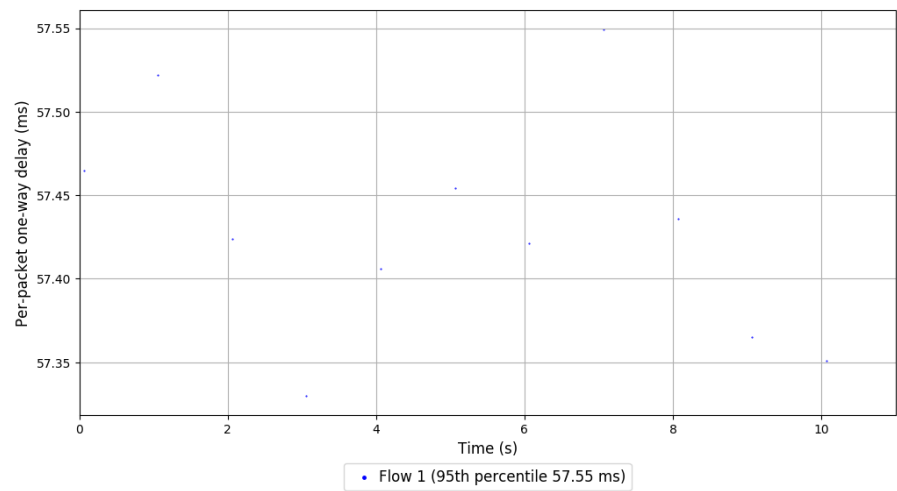
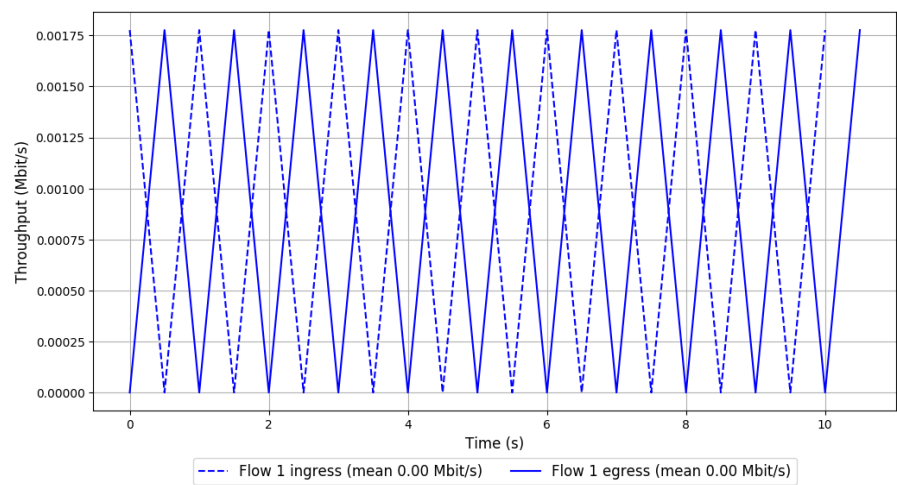
Start at: 2020-02-18 21:41:19

End at: 2020-02-18 21:41:49

Local clock offset: -0.049 ms

Remote clock offset: -0.137 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2020-02-18 22:15:03

End at: 2020-02-18 22:15:33

Local clock offset: -0.154 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2020-02-19 01:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.61 Mbit/s

95th percentile per-packet one-way delay: 57.512 ms

Loss rate: 0.00%

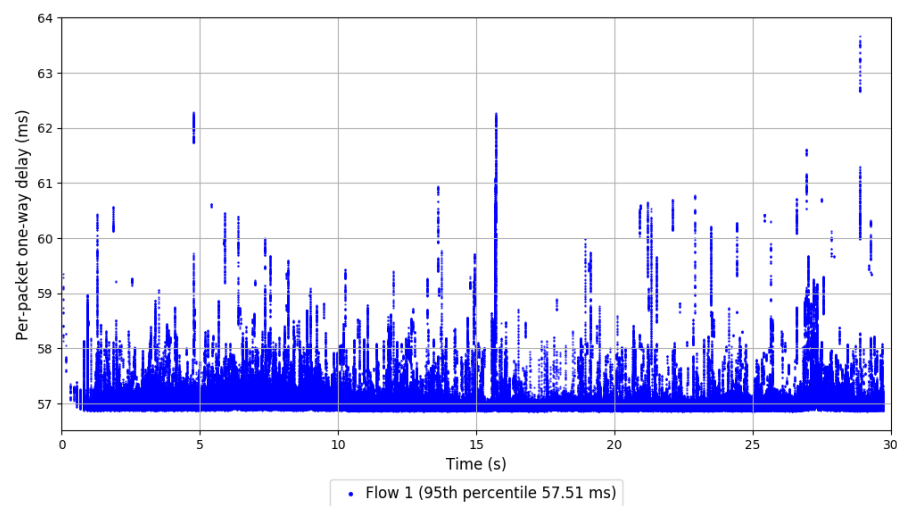
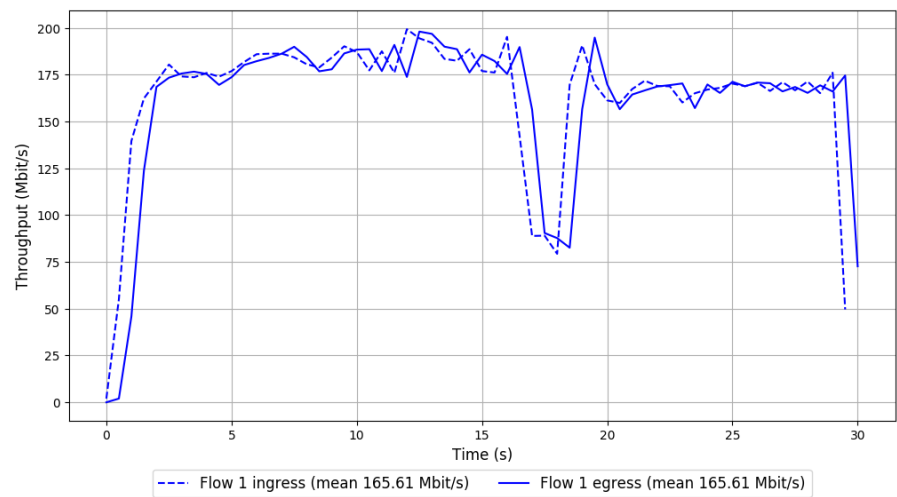
-- Flow 1:

Average throughput: 165.61 Mbit/s

95th percentile per-packet one-way delay: 57.512 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

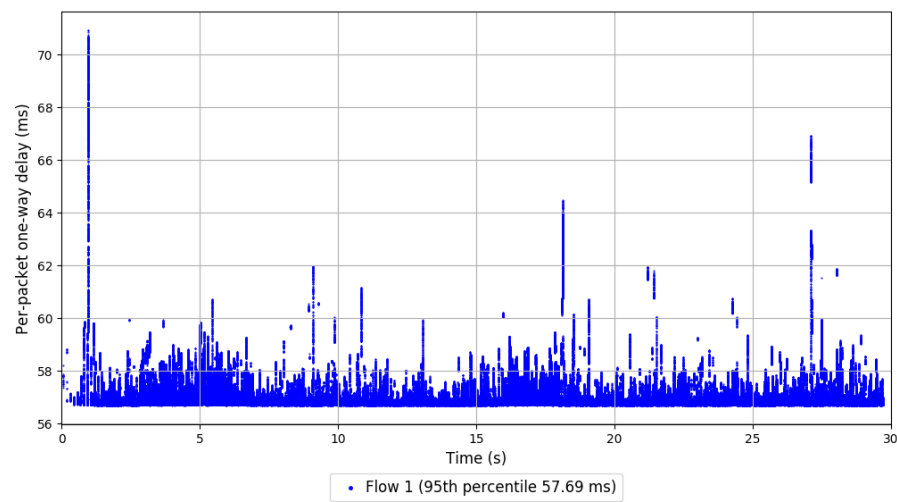
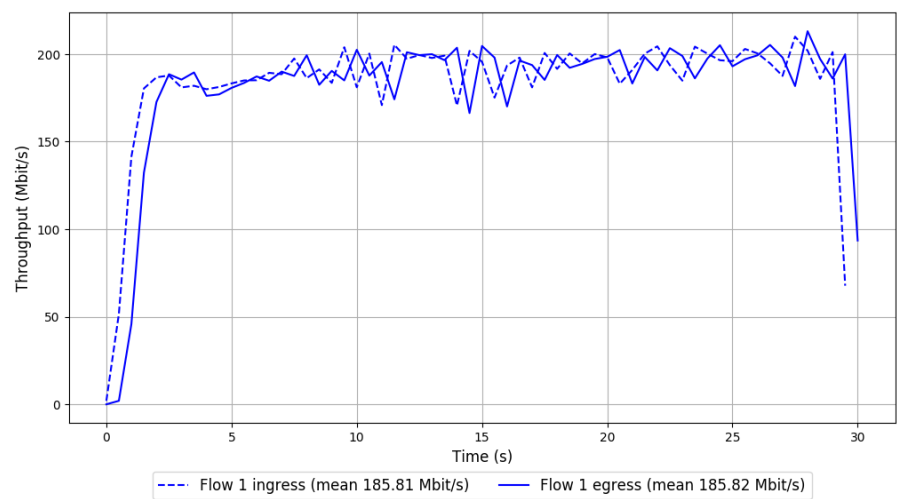


Run 3: Statistics of Indigo

Start at: 2020-02-18 22:49:05
End at: 2020-02-18 22:49:35
Local clock offset: -0.266 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.82 Mbit/s
95th percentile per-packet one-way delay: 57.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.82 Mbit/s
95th percentile per-packet one-way delay: 57.694 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

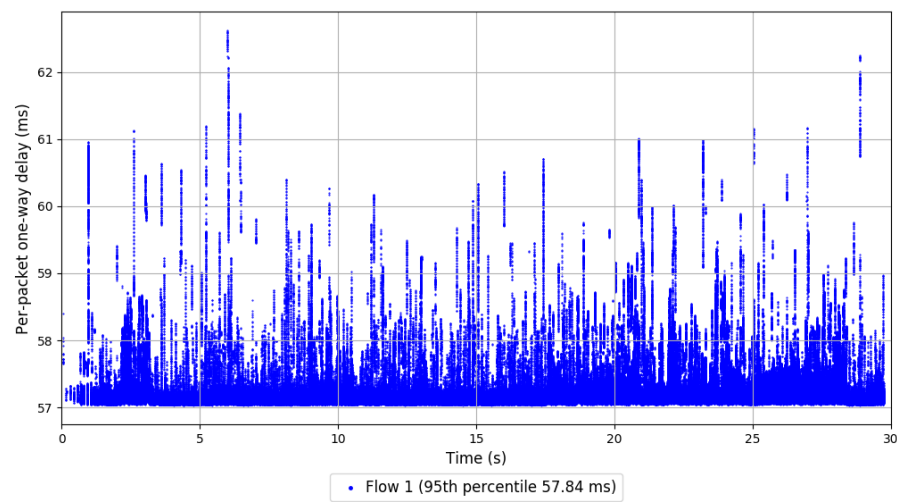
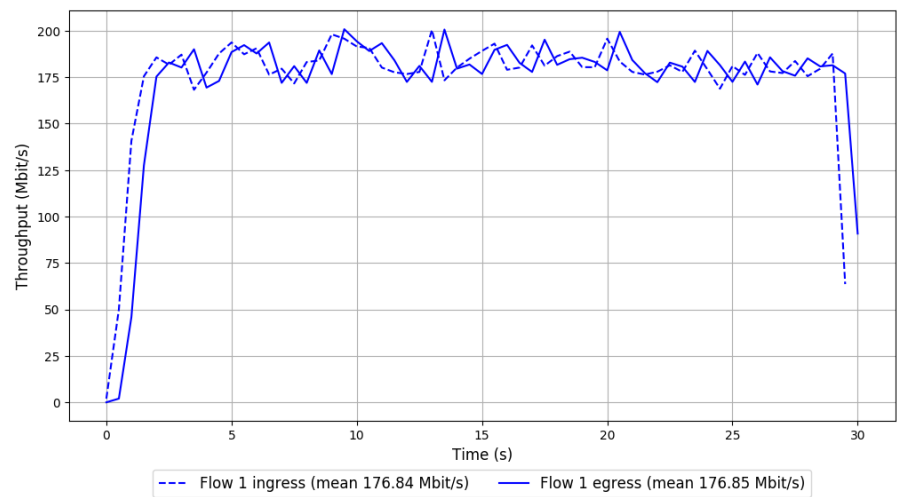


Run 4: Statistics of Indigo

Start at: 2020-02-18 23:23:42
End at: 2020-02-18 23:24:12
Local clock offset: -0.653 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.85 Mbit/s
95th percentile per-packet one-way delay: 57.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.85 Mbit/s
95th percentile per-packet one-way delay: 57.840 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

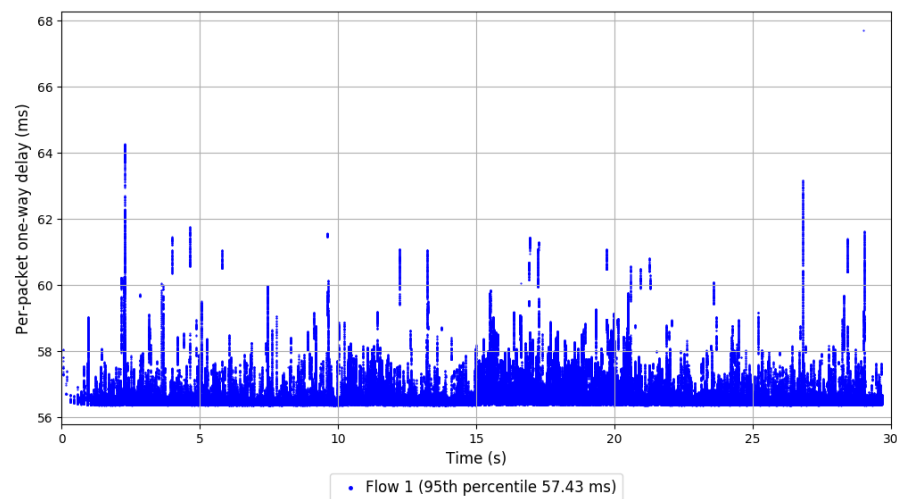
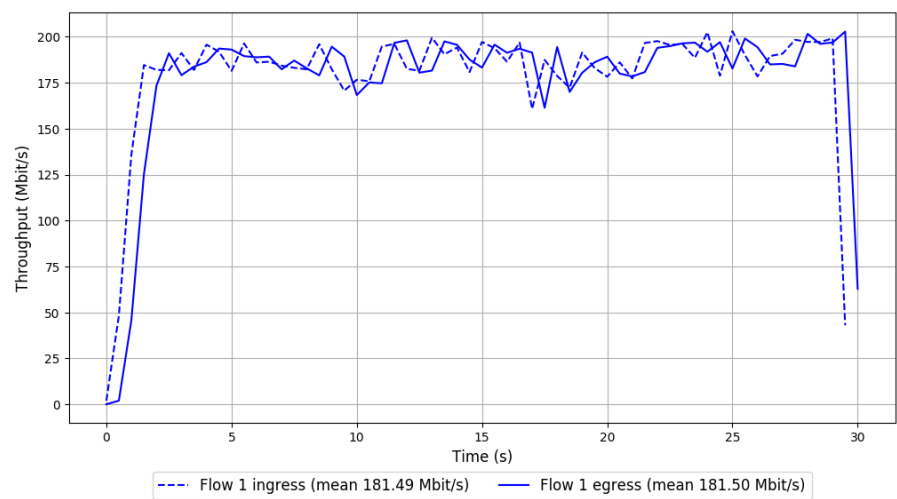


Run 5: Statistics of Indigo

Start at: 2020-02-18 23:58:09
End at: 2020-02-18 23:58:39
Local clock offset: -0.027 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 57.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 57.426 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-18 22:05:39

End at: 2020-02-18 22:06:09

Local clock offset: -0.465 ms

Remote clock offset: 0.779 ms

Below is generated by plot.py at 2020-02-19 01:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.84 Mbit/s

95th percentile per-packet one-way delay: 60.713 ms

Loss rate: 0.00%

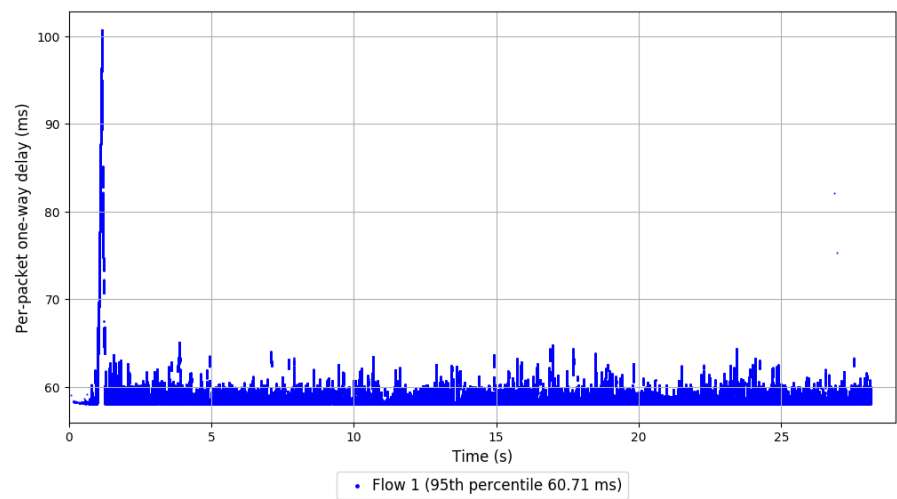
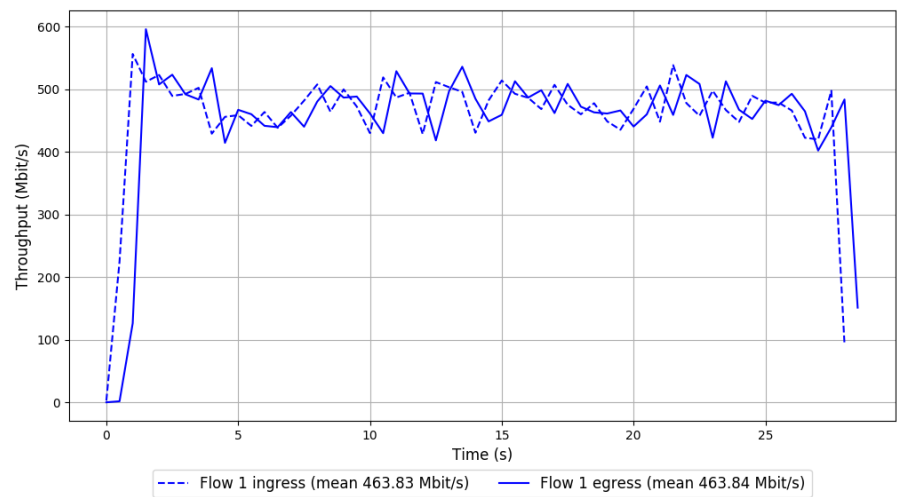
-- Flow 1:

Average throughput: 463.84 Mbit/s

95th percentile per-packet one-way delay: 60.713 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

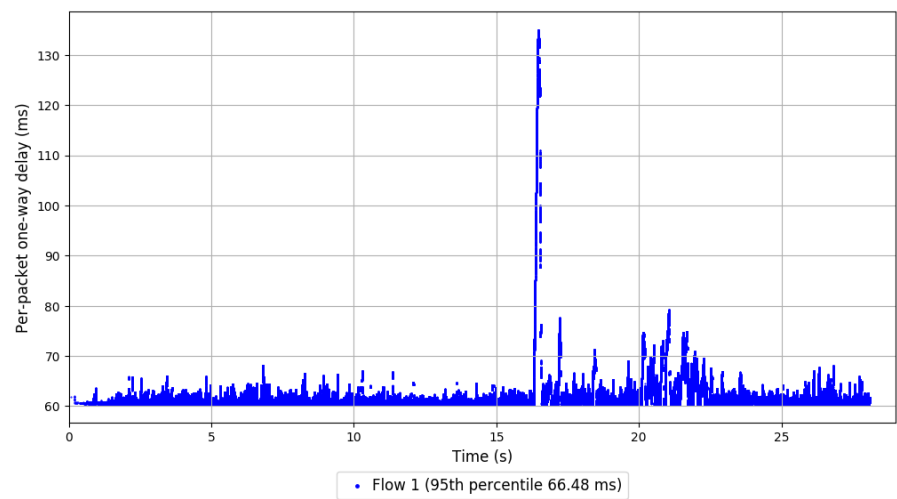
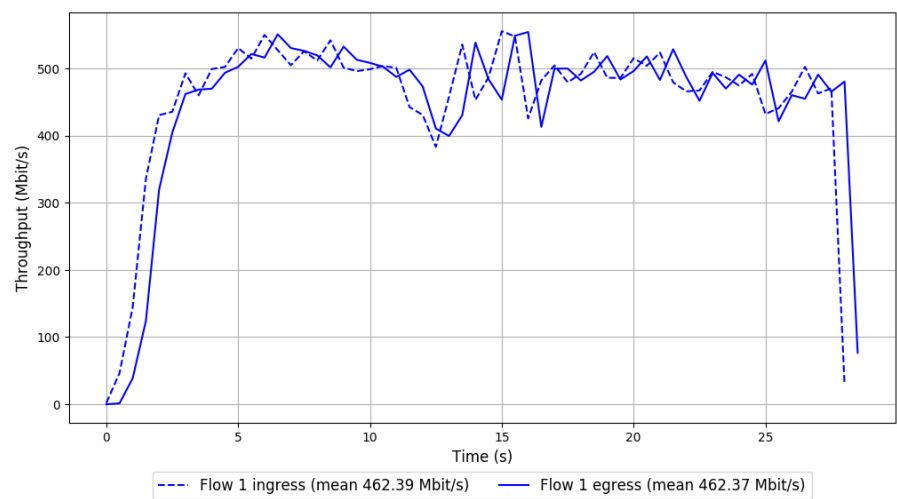


Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-18 22:39:35
End at: 2020-02-18 22:40:05
Local clock offset: -0.569 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 462.37 Mbit/s
95th percentile per-packet one-way delay: 66.477 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 462.37 Mbit/s
95th percentile per-packet one-way delay: 66.477 ms
Loss rate: 0.02%

Run 2: Report of Indigo-MusesC3 — Data Link

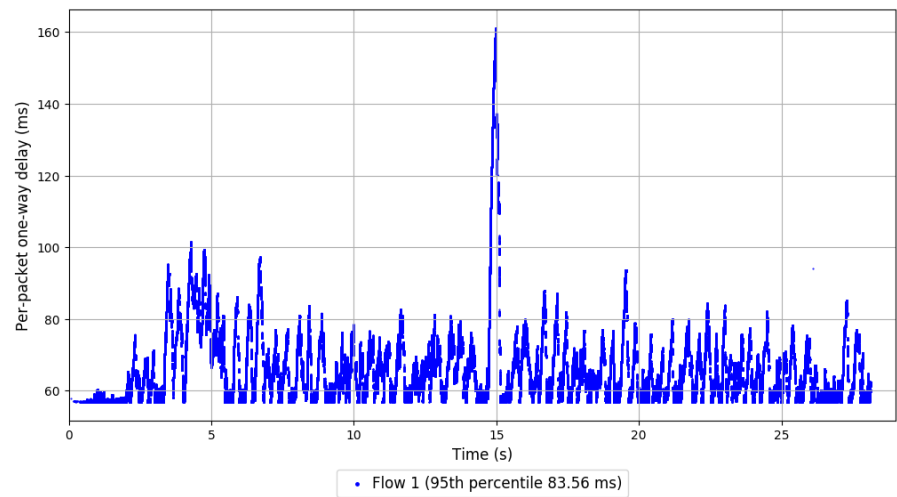
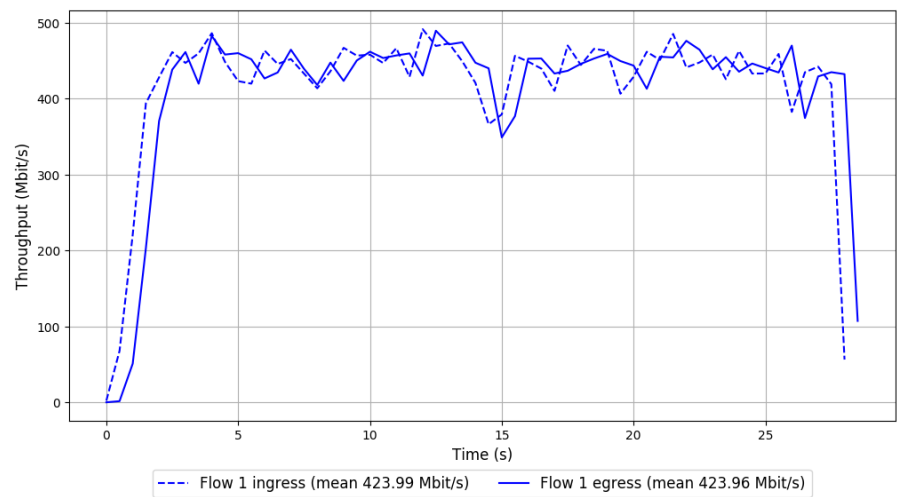


Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-18 23:14:14
End at: 2020-02-18 23:14:44
Local clock offset: -0.296 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 423.96 Mbit/s
95th percentile per-packet one-way delay: 83.555 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 423.96 Mbit/s
95th percentile per-packet one-way delay: 83.555 ms
Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link

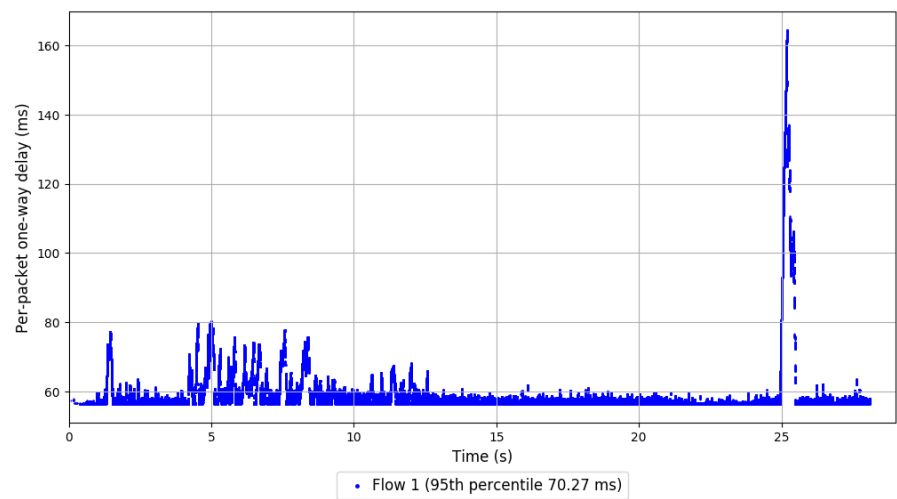
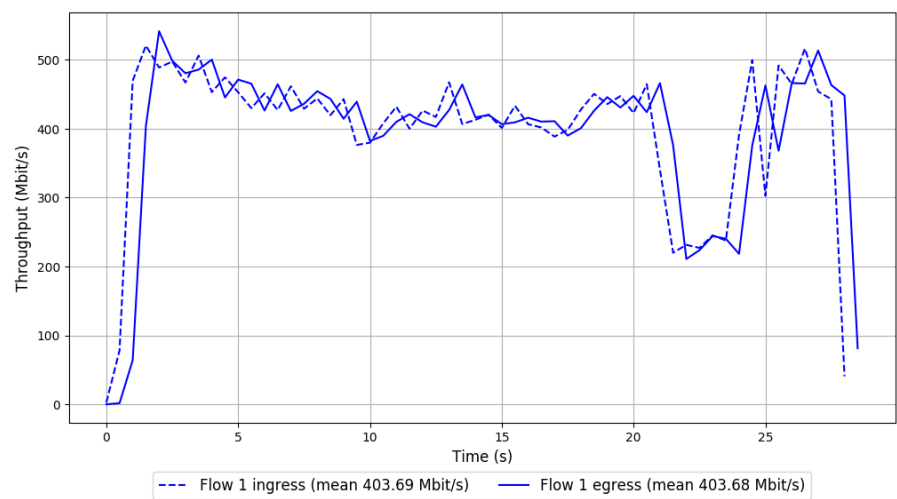


Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-18 23:48:49
End at: 2020-02-18 23:49:19
Local clock offset: -0.046 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2020-02-19 01:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 403.68 Mbit/s
95th percentile per-packet one-way delay: 70.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 403.68 Mbit/s
95th percentile per-packet one-way delay: 70.268 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-19 00:22:27

End at: 2020-02-19 00:22:58

Local clock offset: -0.48 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2020-02-19 01:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.44 Mbit/s

95th percentile per-packet one-way delay: 61.829 ms

Loss rate: 0.00%

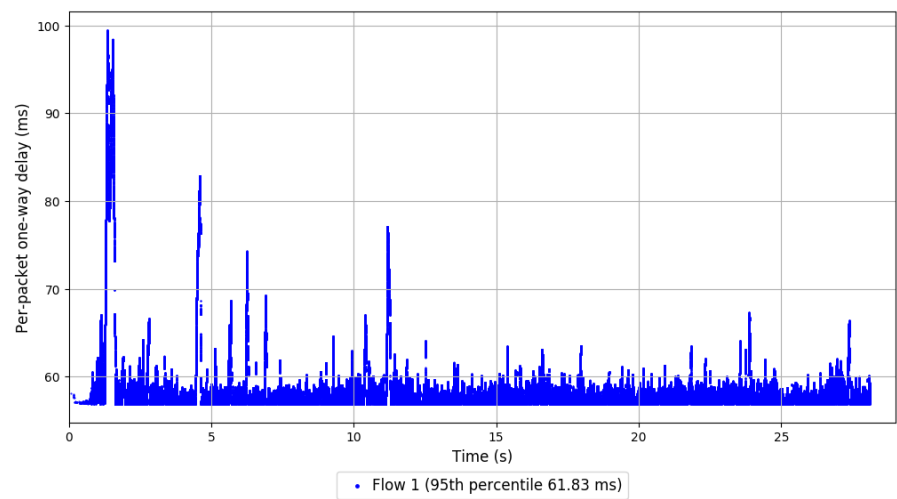
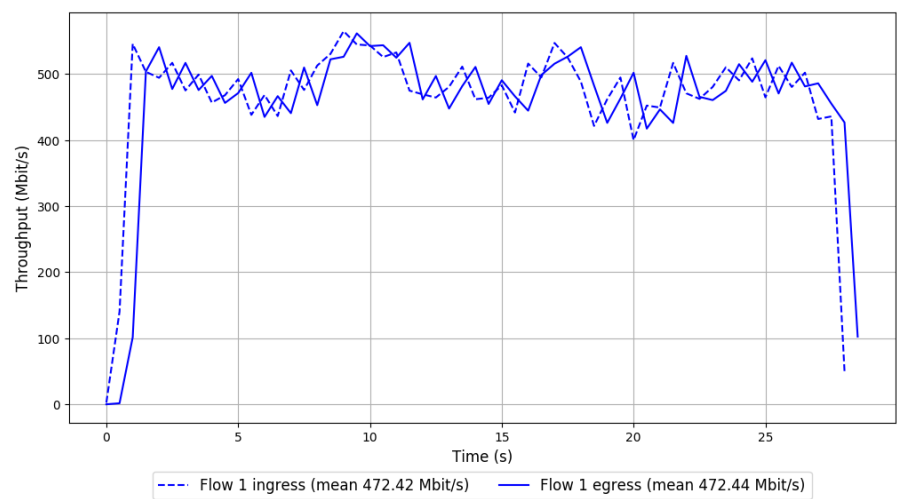
-- Flow 1:

Average throughput: 472.44 Mbit/s

95th percentile per-packet one-way delay: 61.829 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-18 21:52:47

End at: 2020-02-18 21:53:17

Local clock offset: -0.078 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2020-02-19 01:45:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.14 Mbit/s

95th percentile per-packet one-way delay: 70.884 ms

Loss rate: 0.00%

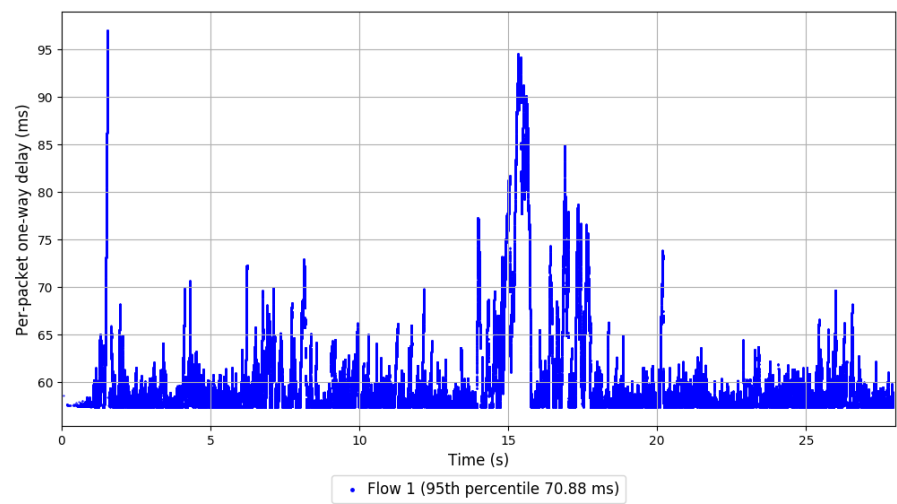
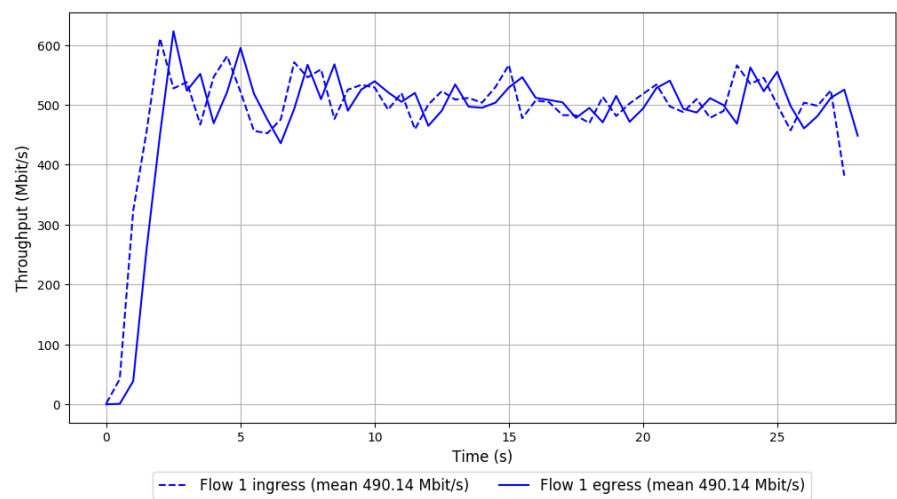
-- Flow 1:

Average throughput: 490.14 Mbit/s

95th percentile per-packet one-way delay: 70.884 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-18 22:26:45

End at: 2020-02-18 22:27:15

Local clock offset: 0.166 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2020-02-19 01:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.52 Mbit/s

95th percentile per-packet one-way delay: 75.394 ms

Loss rate: 0.13%

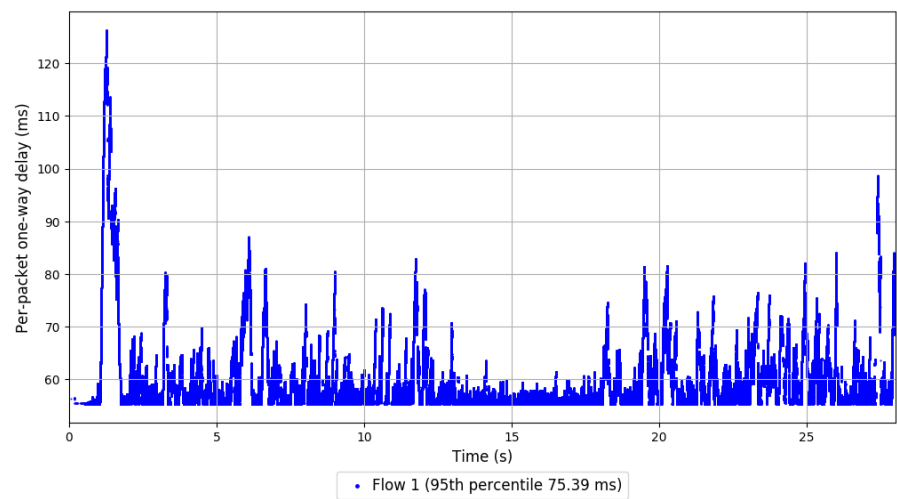
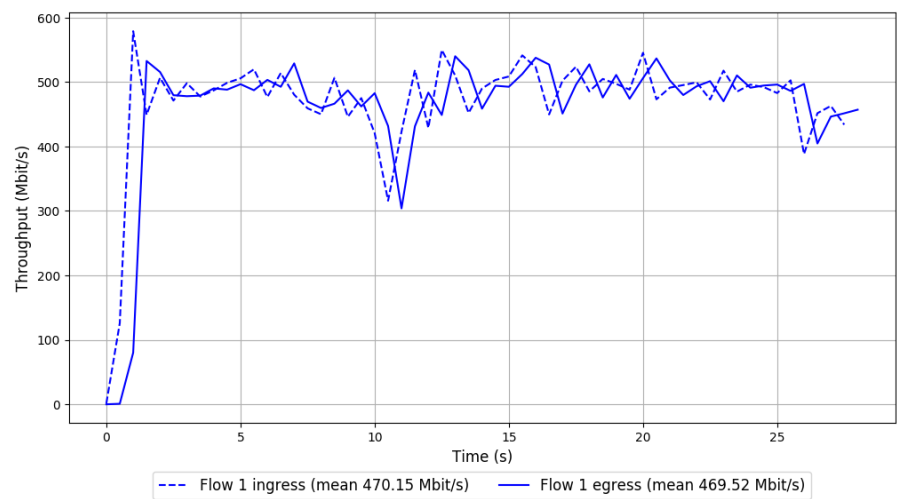
-- Flow 1:

Average throughput: 469.52 Mbit/s

95th percentile per-packet one-way delay: 75.394 ms

Loss rate: 0.13%

Run 2: Report of Indigo-MusesC5 — Data Link

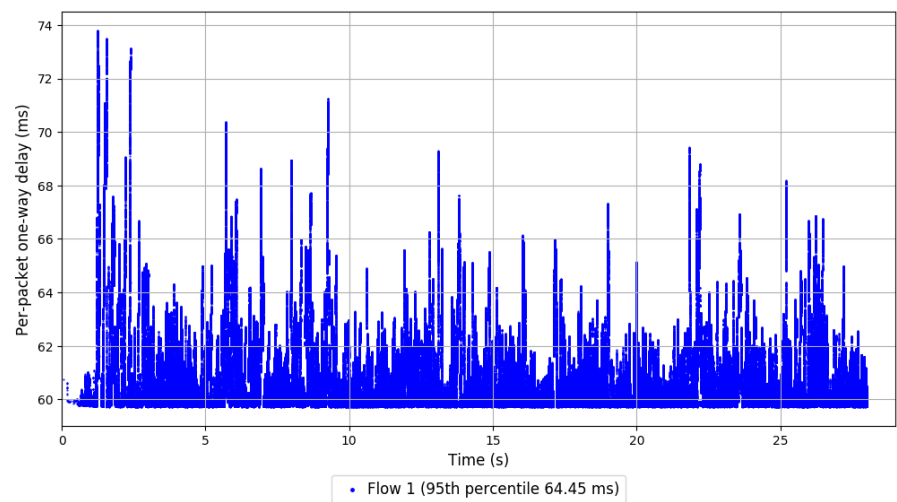
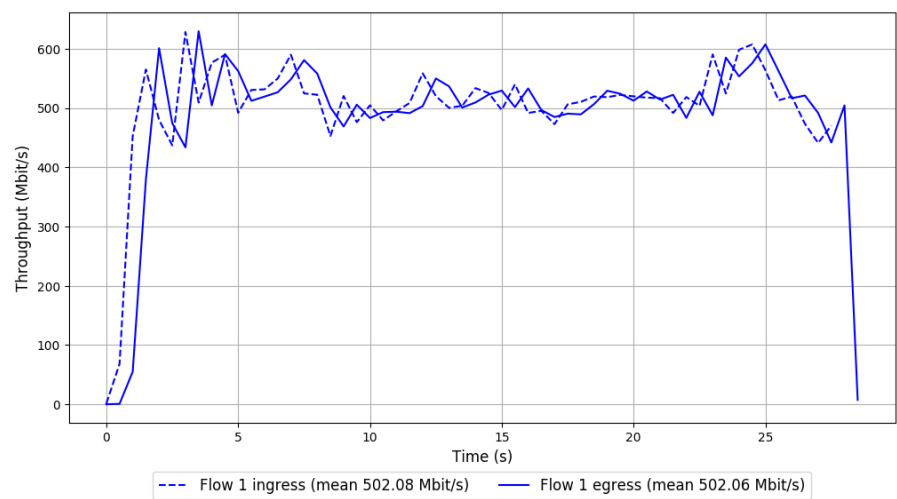


Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-18 23:01:08
End at: 2020-02-18 23:01:38
Local clock offset: 0.087 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2020-02-19 01:49:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.06 Mbit/s
95th percentile per-packet one-way delay: 64.451 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 502.06 Mbit/s
95th percentile per-packet one-way delay: 64.451 ms
Loss rate: 0.02%

Run 3: Report of Indigo-MusesC5 — Data Link

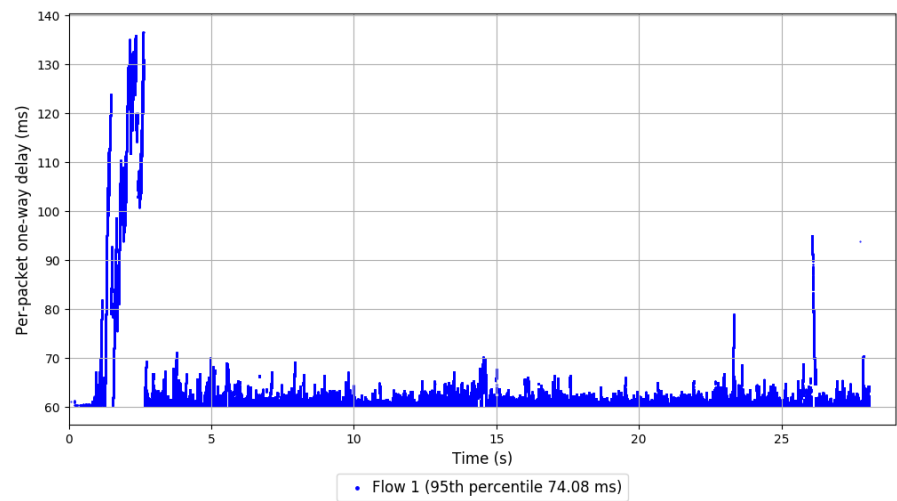
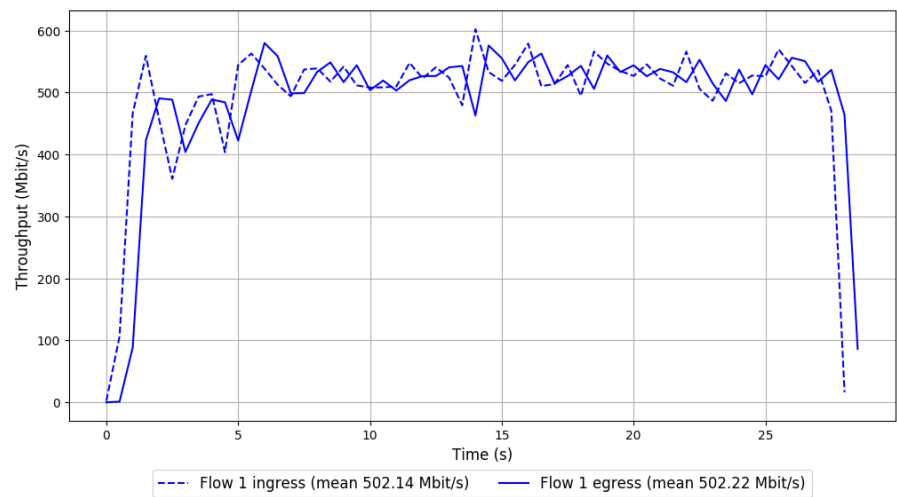


Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-18 23:35:54
End at: 2020-02-18 23:36:24
Local clock offset: -0.366 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2020-02-19 01:54:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.22 Mbit/s
95th percentile per-packet one-way delay: 74.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 502.22 Mbit/s
95th percentile per-packet one-way delay: 74.080 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

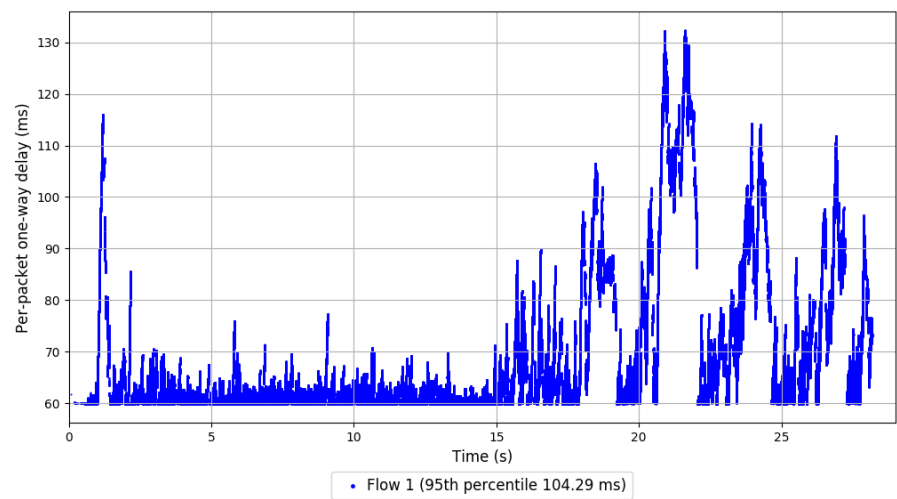
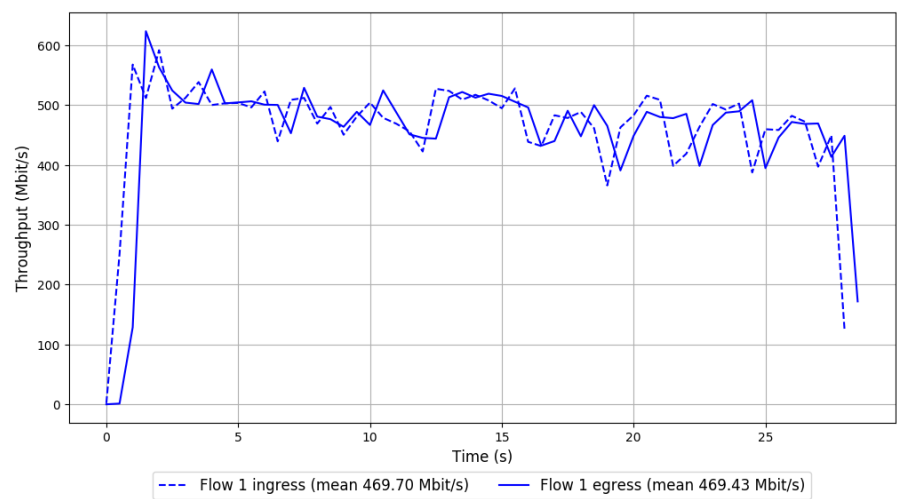


Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-19 00:09:41
End at: 2020-02-19 00:10:11
Local clock offset: -0.719 ms
Remote clock offset: -0.572 ms

Below is generated by plot.py at 2020-02-19 01:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.43 Mbit/s
95th percentile per-packet one-way delay: 104.287 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 469.43 Mbit/s
95th percentile per-packet one-way delay: 104.287 ms
Loss rate: 0.07%

Run 5: Report of Indigo-MusesC5 — Data Link

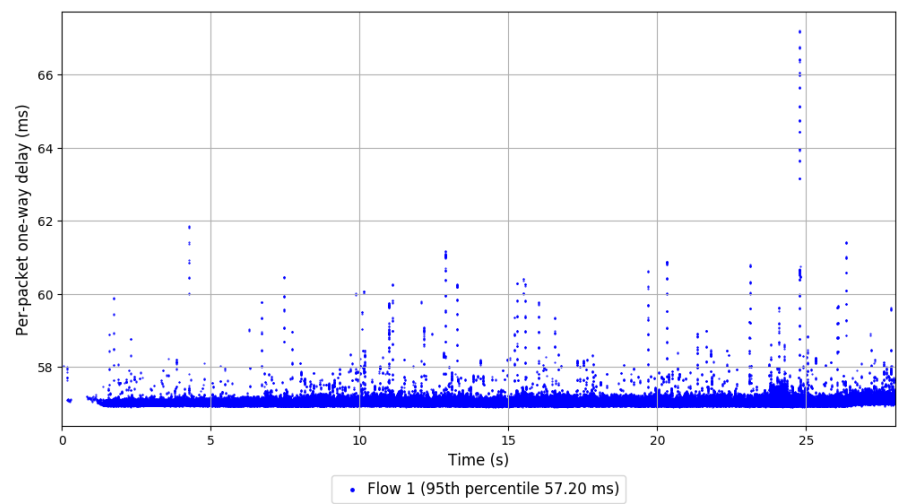
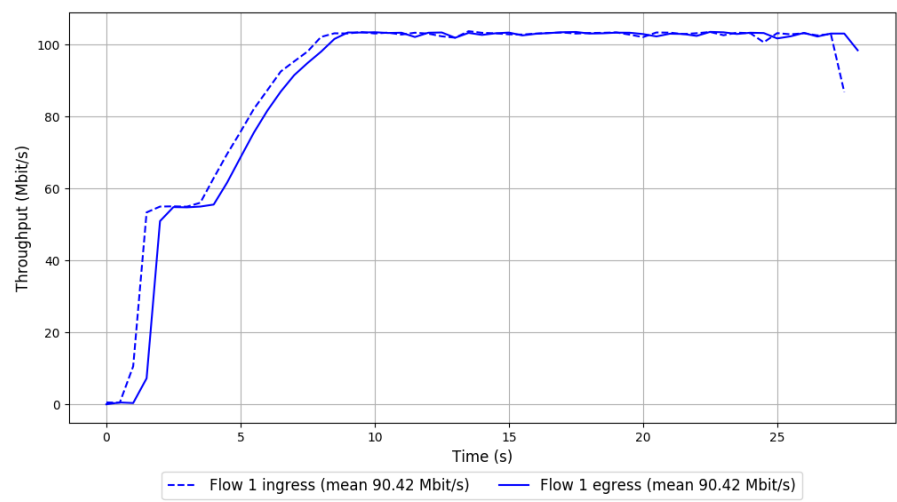



```
Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-18 21:48:39
End at: 2020-02-18 21:49:09
Local clock offset: 0.266 ms
Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2020-02-19 01:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 57.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 57.197 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

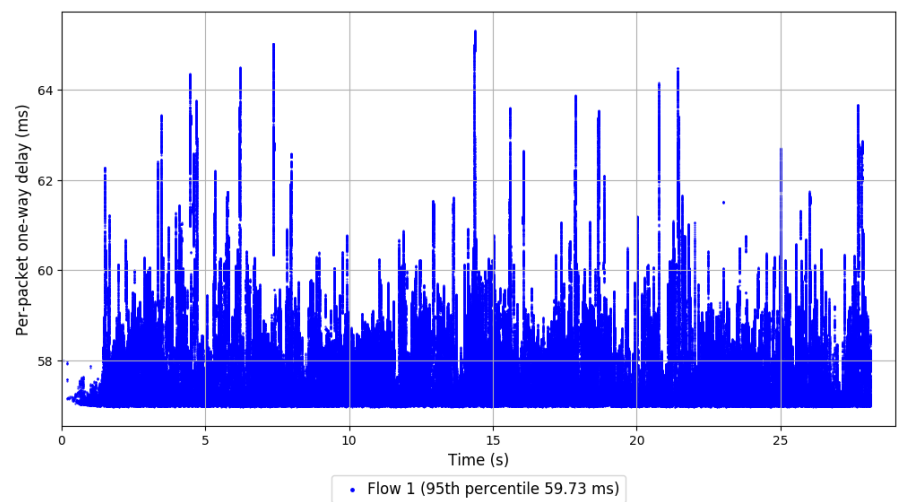
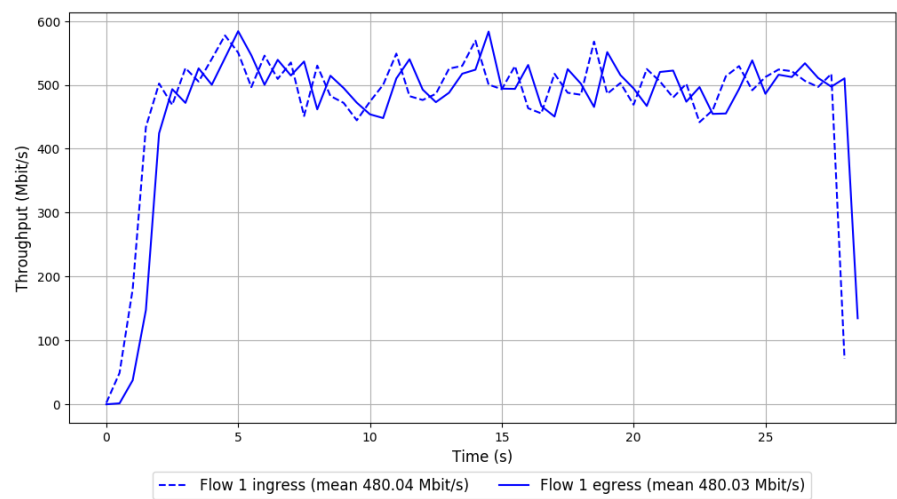


Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-18 22:22:21
End at: 2020-02-18 22:22:51
Local clock offset: -0.506 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2020-02-19 01:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 480.03 Mbit/s
95th percentile per-packet one-way delay: 59.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 480.03 Mbit/s
95th percentile per-packet one-way delay: 59.729 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-18 22:56:46

End at: 2020-02-18 22:57:16

Local clock offset: -0.605 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2020-02-19 01:55:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.46 Mbit/s

95th percentile per-packet one-way delay: 59.563 ms

Loss rate: 0.00%

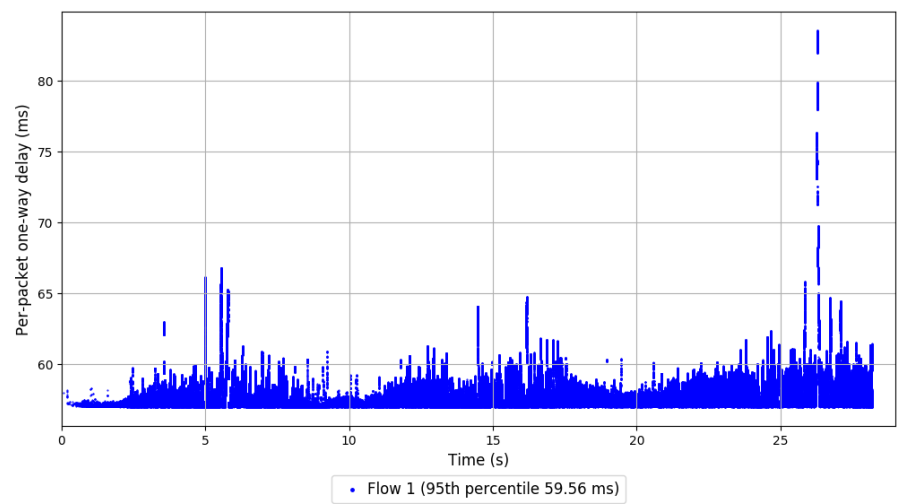
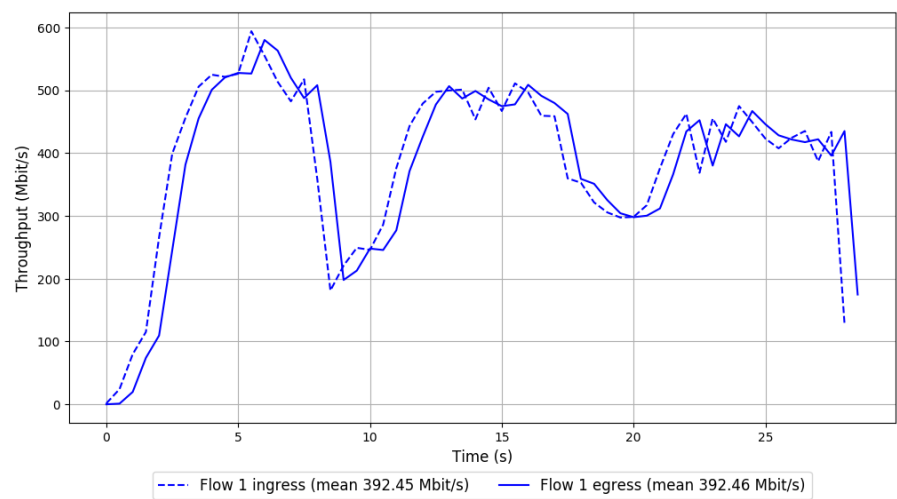
-- Flow 1:

Average throughput: 392.46 Mbit/s

95th percentile per-packet one-way delay: 59.563 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-18 23:31:27

End at: 2020-02-18 23:31:57

Local clock offset: -0.676 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2020-02-19 01:56:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 461.17 Mbit/s

95th percentile per-packet one-way delay: 87.646 ms

Loss rate: 0.03%

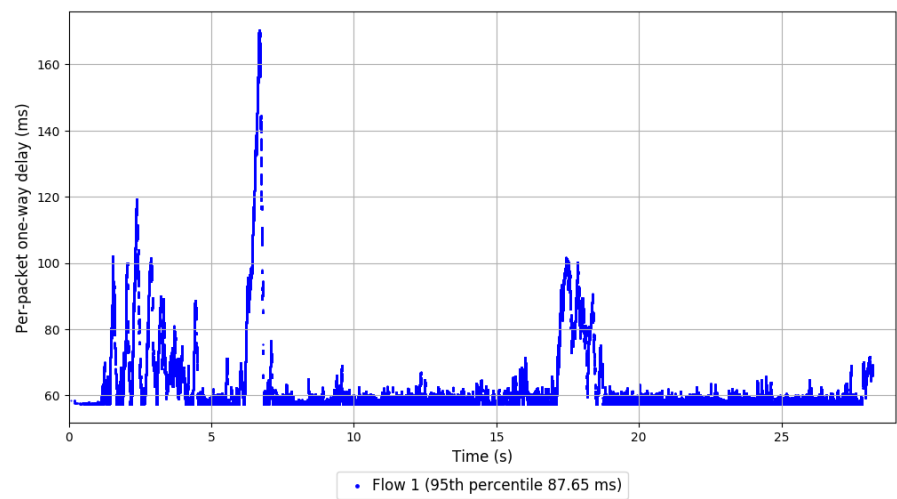
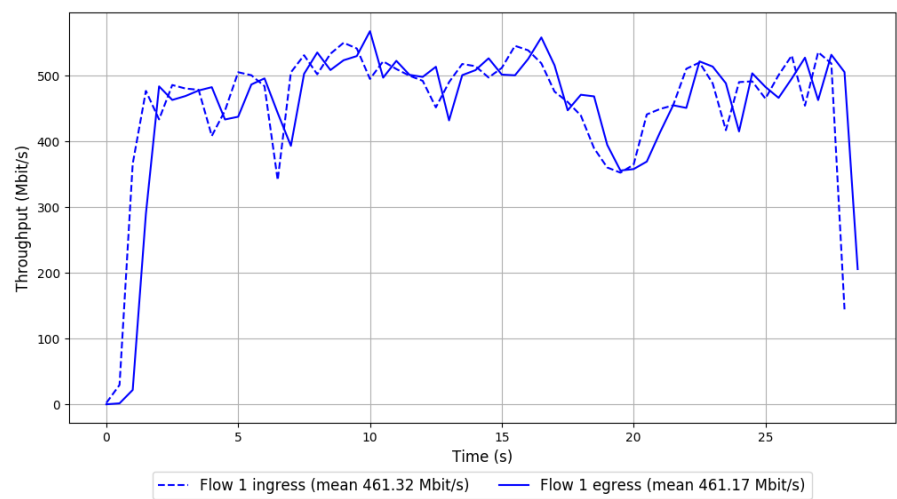
-- Flow 1:

Average throughput: 461.17 Mbit/s

95th percentile per-packet one-way delay: 87.646 ms

Loss rate: 0.03%

Run 4: Report of Indigo-MusesD — Data Link

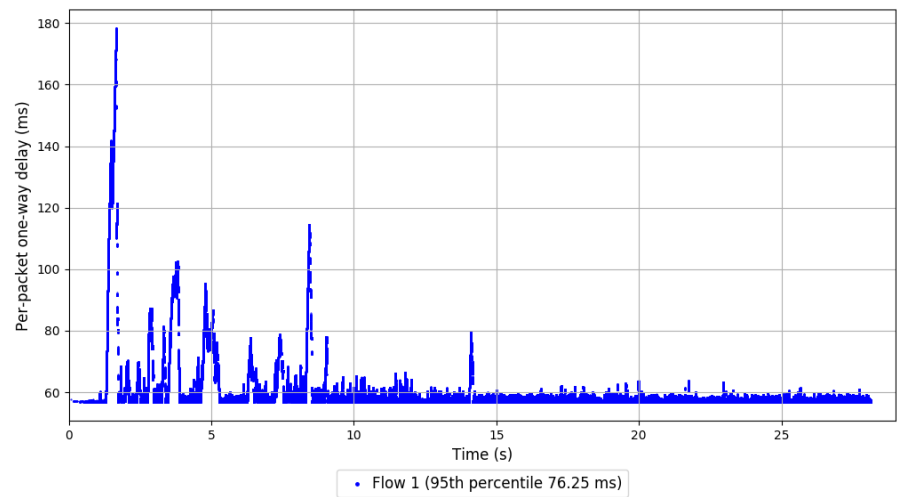
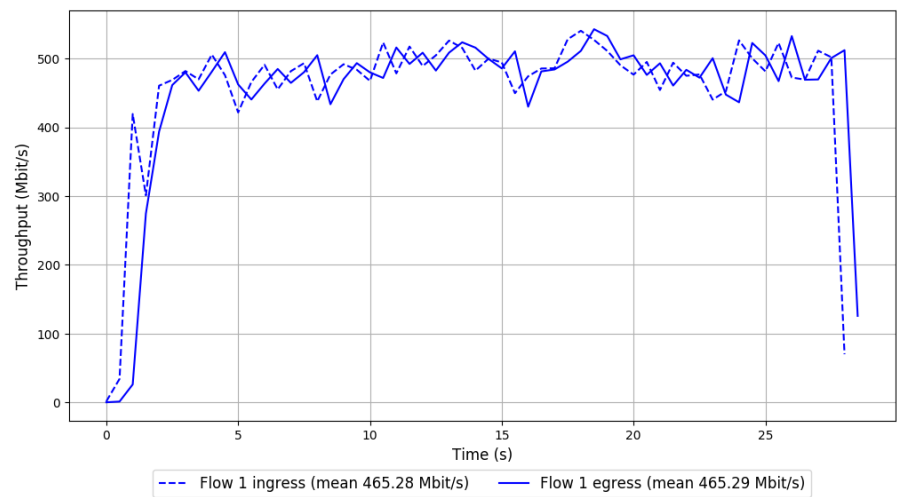


Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-19 00:05:28
End at: 2020-02-19 00:05:58
Local clock offset: -0.402 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2020-02-19 01:57:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 465.29 Mbit/s
95th percentile per-packet one-way delay: 76.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 465.29 Mbit/s
95th percentile per-packet one-way delay: 76.255 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

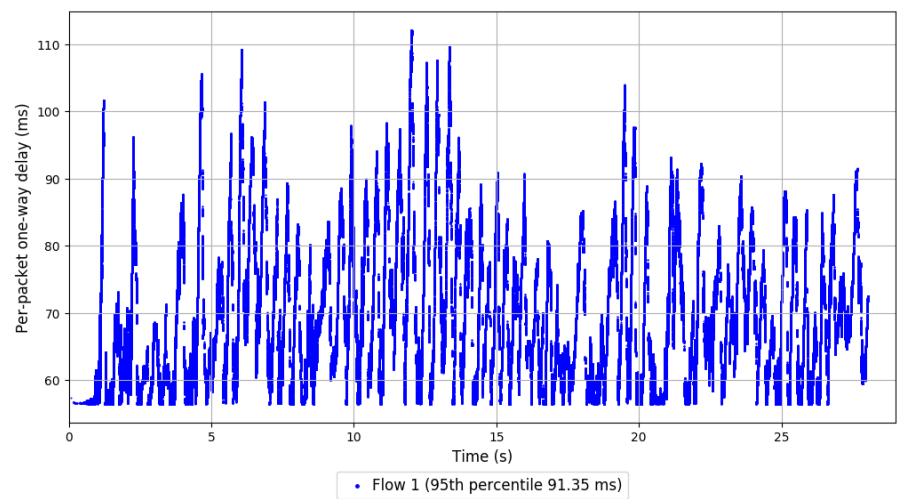
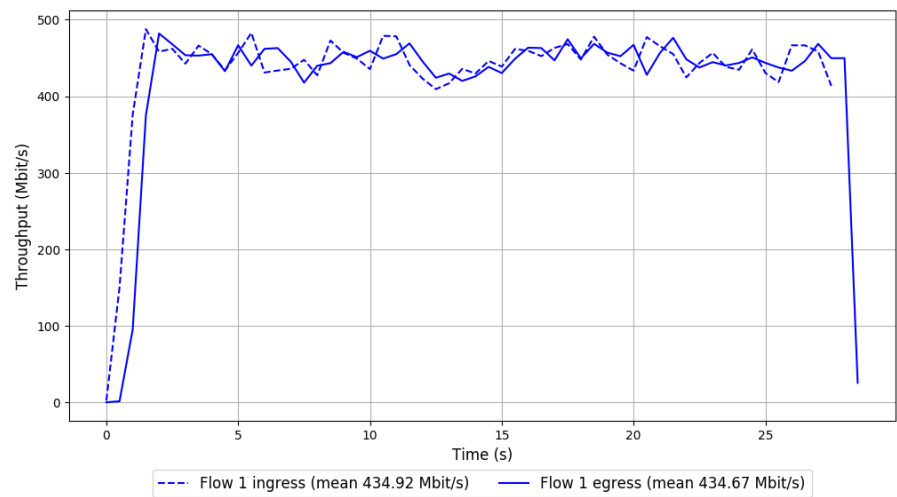


Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-18 22:09:45
End at: 2020-02-18 22:10:15
Local clock offset: -0.154 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2020-02-19 01:58:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.67 Mbit/s
95th percentile per-packet one-way delay: 91.353 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 434.67 Mbit/s
95th percentile per-packet one-way delay: 91.353 ms
Loss rate: 0.06%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-18 22:43:44

End at: 2020-02-18 22:44:14

Local clock offset: -0.232 ms

Remote clock offset: -0.402 ms

Below is generated by plot.py at 2020-02-19 02:00:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.23 Mbit/s

95th percentile per-packet one-way delay: 60.244 ms

Loss rate: 0.00%

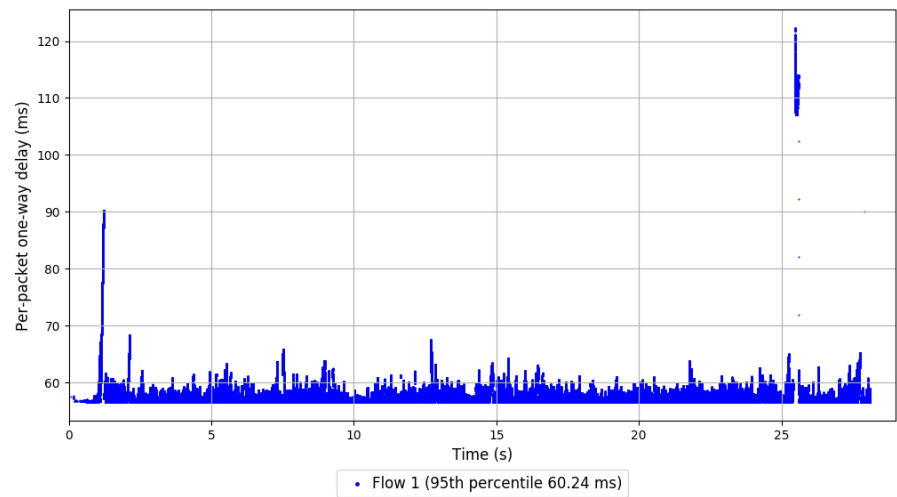
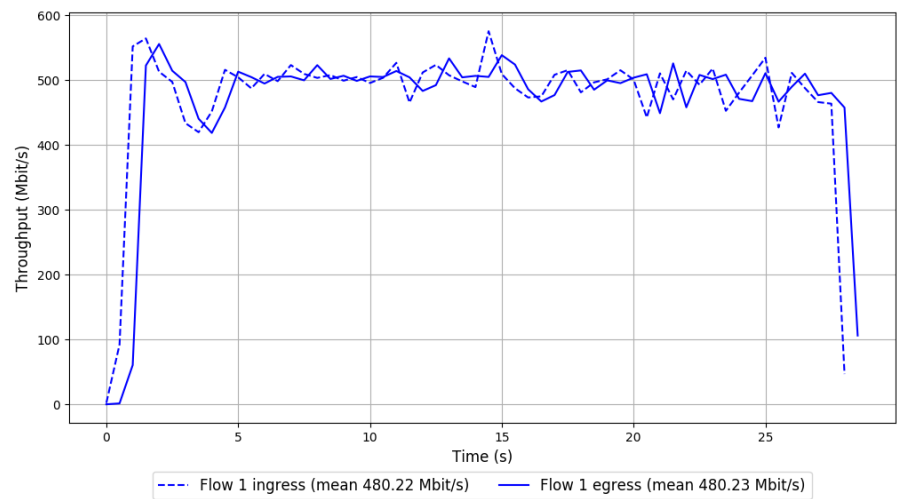
-- Flow 1:

Average throughput: 480.23 Mbit/s

95th percentile per-packet one-way delay: 60.244 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

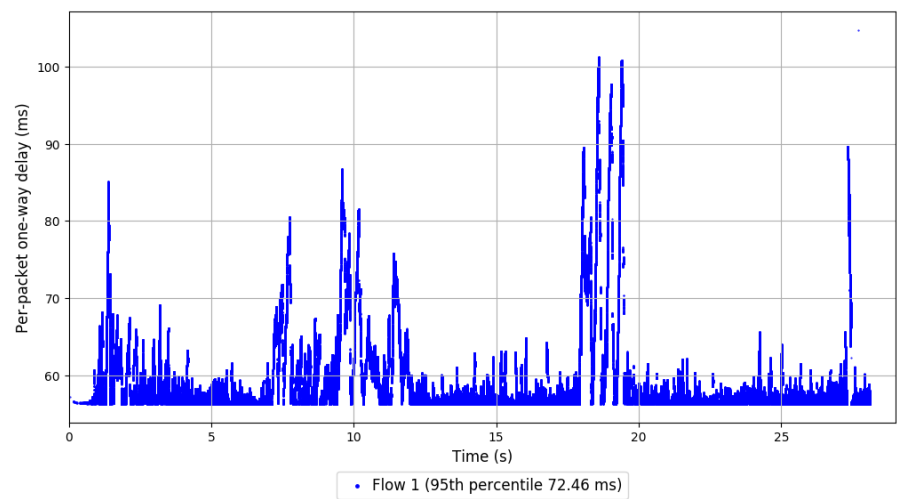
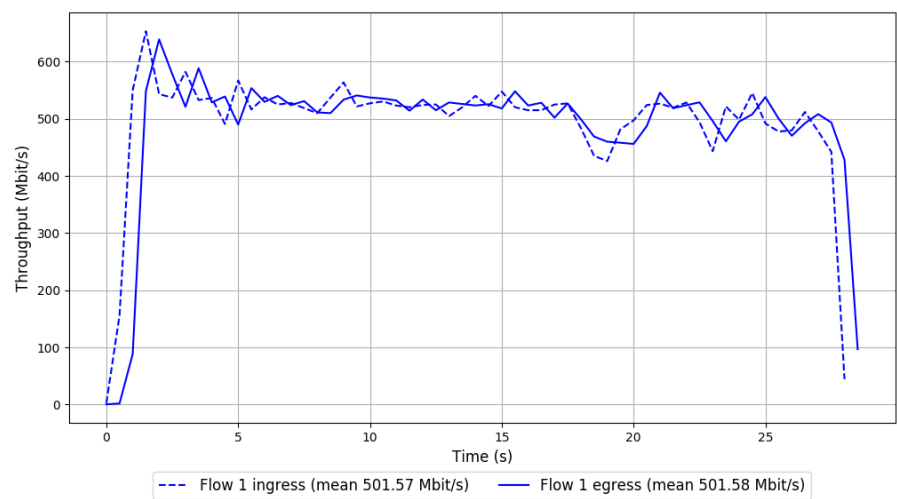


Run 3: Statistics of Indigo-MusesT

Start at: 2020-02-18 23:18:19
End at: 2020-02-18 23:18:50
Local clock offset: -0.312 ms
Remote clock offset: -0.499 ms

Below is generated by plot.py at 2020-02-19 02:06:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 501.58 Mbit/s
95th percentile per-packet one-way delay: 72.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 501.58 Mbit/s
95th percentile per-packet one-way delay: 72.456 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2020-02-18 23:52:49

End at: 2020-02-18 23:53:19

Local clock offset: -0.787 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2020-02-19 02:06:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 446.25 Mbit/s

95th percentile per-packet one-way delay: 91.468 ms

Loss rate: 0.00%

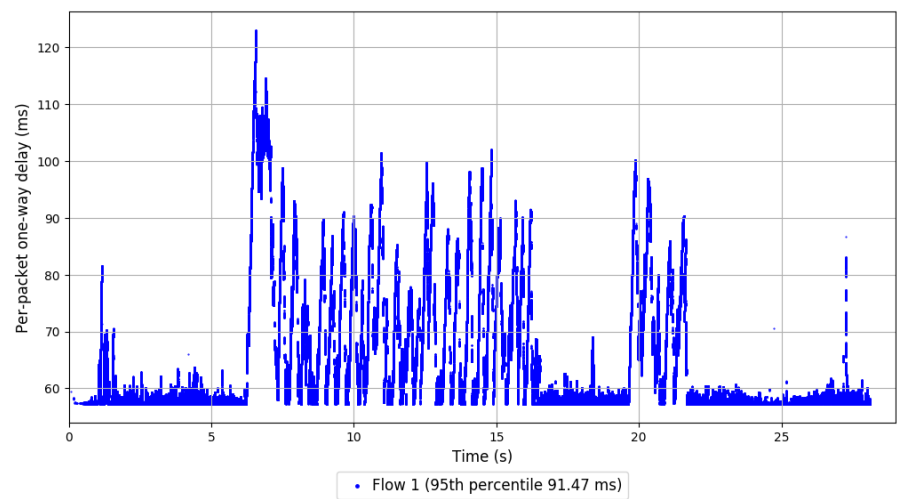
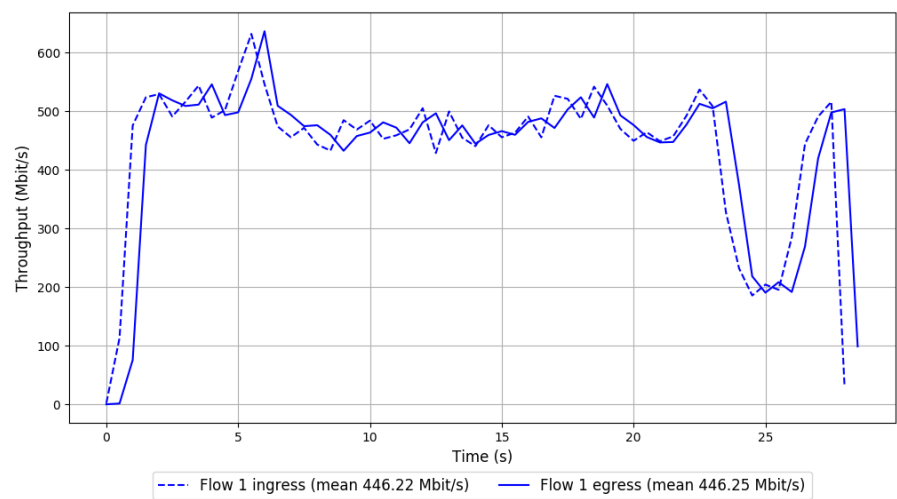
-- Flow 1:

Average throughput: 446.25 Mbit/s

95th percentile per-packet one-way delay: 91.468 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2020-02-19 00:26:35

End at: 2020-02-19 00:27:05

Local clock offset: -0.464 ms

Remote clock offset: 0.819 ms

Below is generated by plot.py at 2020-02-19 02:06:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 434.59 Mbit/s

95th percentile per-packet one-way delay: 84.066 ms

Loss rate: 0.00%

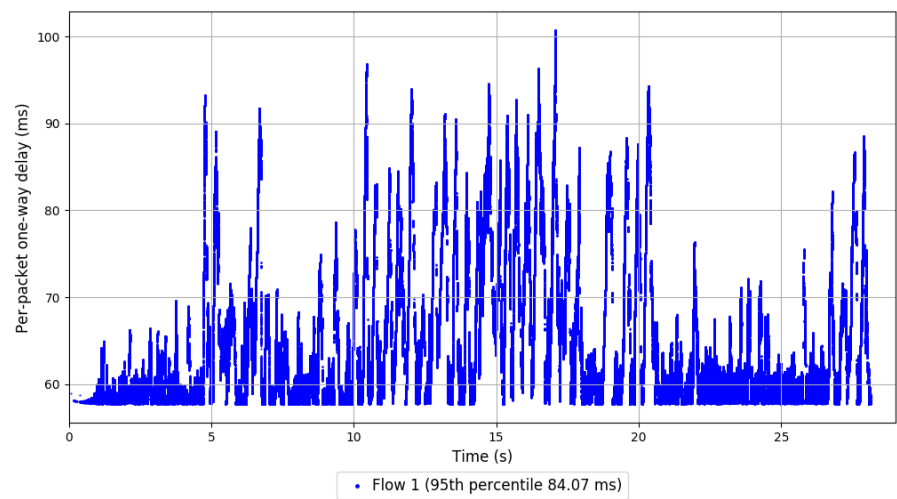
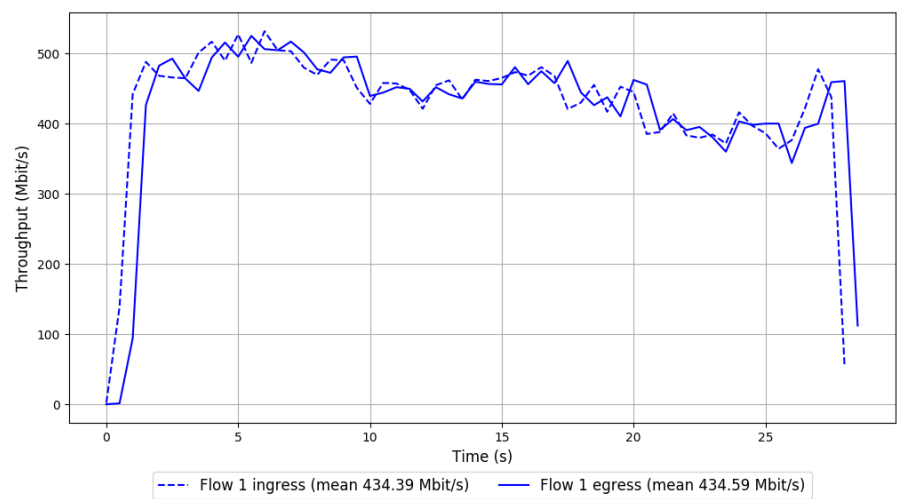
-- Flow 1:

Average throughput: 434.59 Mbit/s

95th percentile per-packet one-way delay: 84.066 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

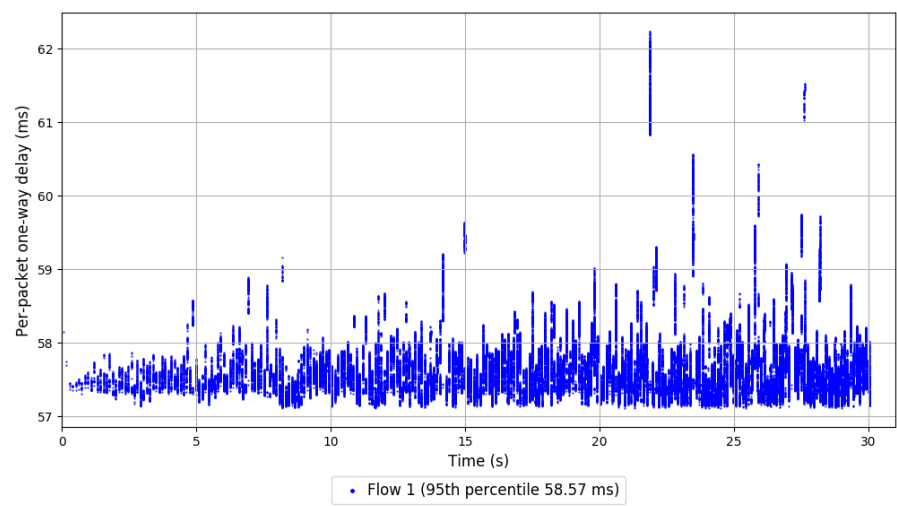
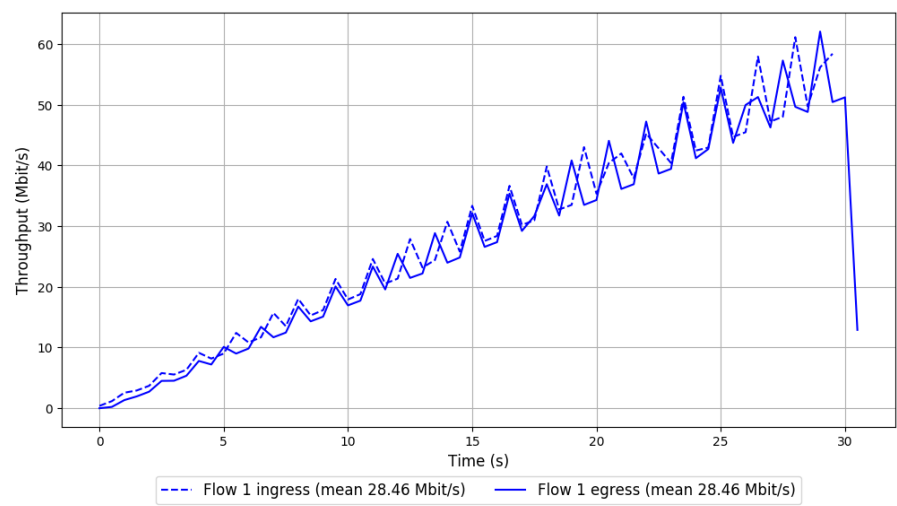


```
Run 1: Statistics of LEDBAT

Start at: 2020-02-18 22:01:26
End at: 2020-02-18 22:01:56
Local clock offset: -0.114 ms
Remote clock offset: 0.208 ms

# Below is generated by plot.py at 2020-02-19 02:06:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 58.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 58.571 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

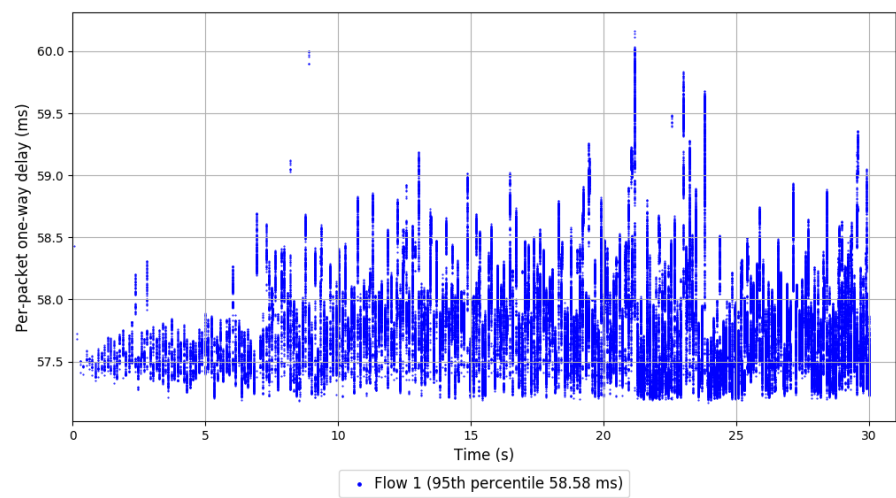
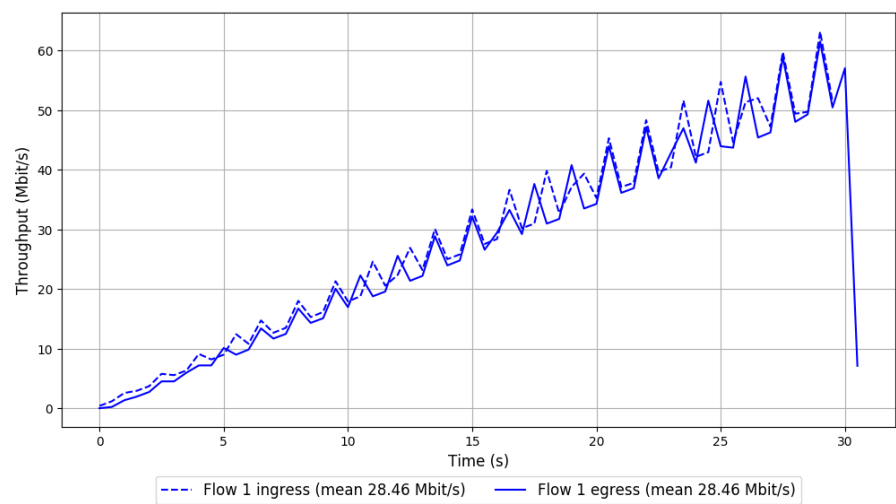


Run 2: Statistics of LEDBAT

Start at: 2020-02-18 22:35:19
End at: 2020-02-18 22:35:49
Local clock offset: -0.351 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2020-02-19 02:06:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 58.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 58.579 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

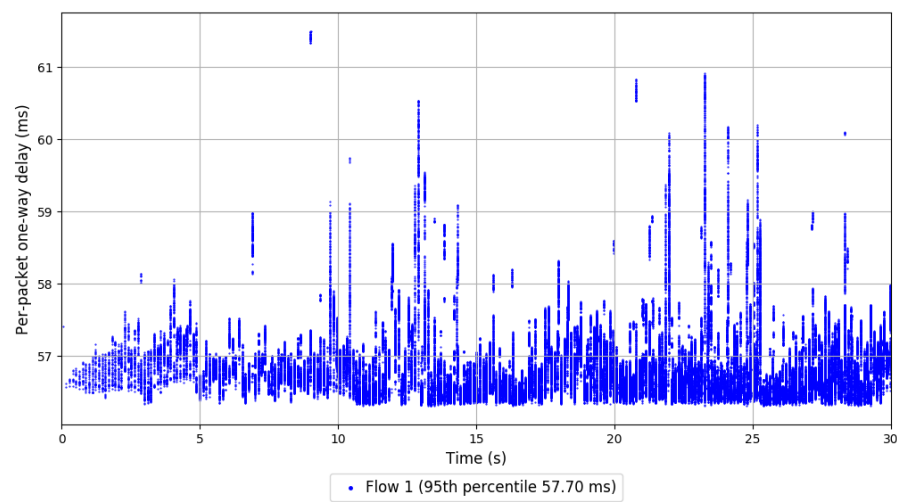
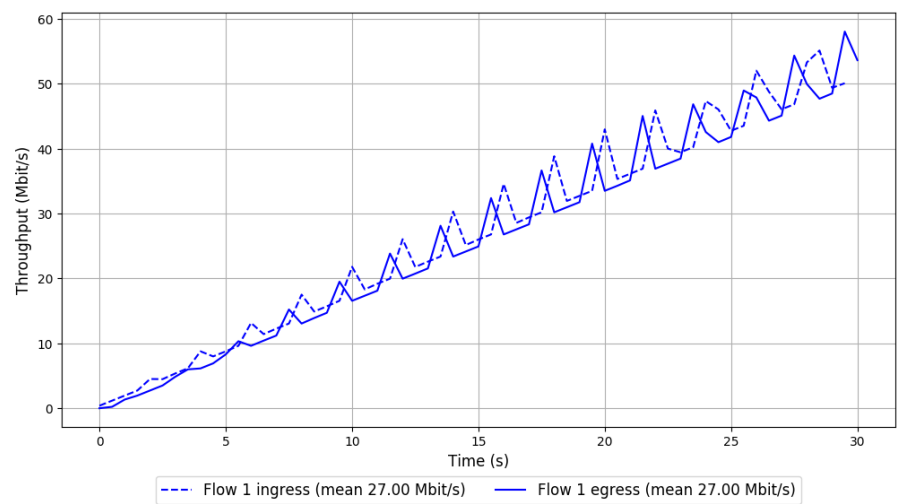


Run 3: Statistics of LEDBAT

Start at: 2020-02-18 23:09:57
End at: 2020-02-18 23:10:27
Local clock offset: 0.073 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2020-02-19 02:06:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 57.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 57.701 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2020-02-18 23:44:37

End at: 2020-02-18 23:45:07

Local clock offset: -0.356 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2020-02-19 02:06:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 59.209 ms

Loss rate: 0.00%

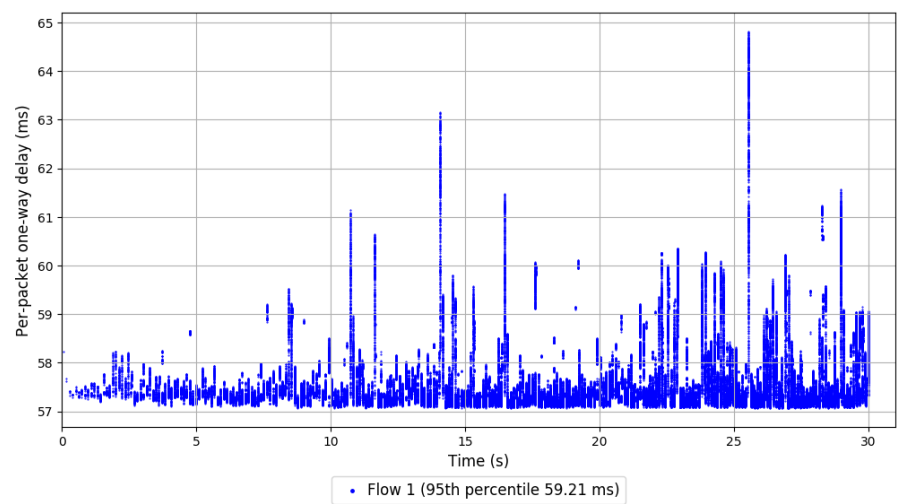
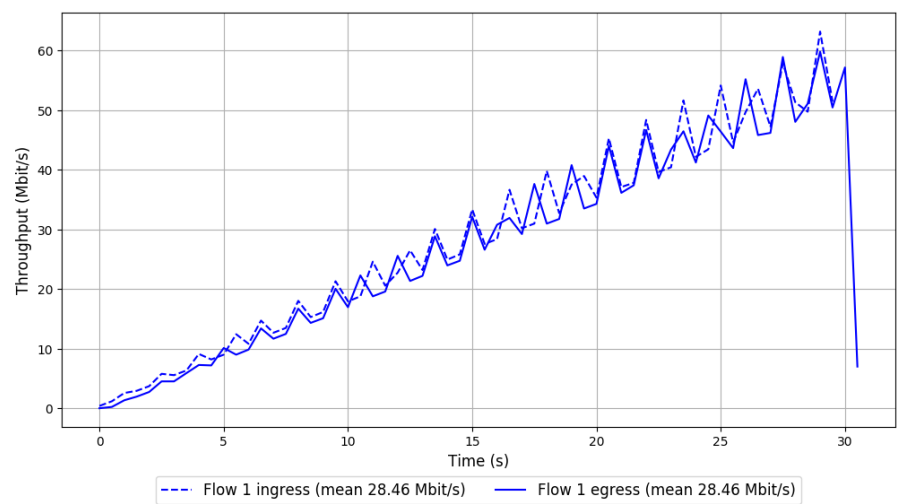
-- Flow 1:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 59.209 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

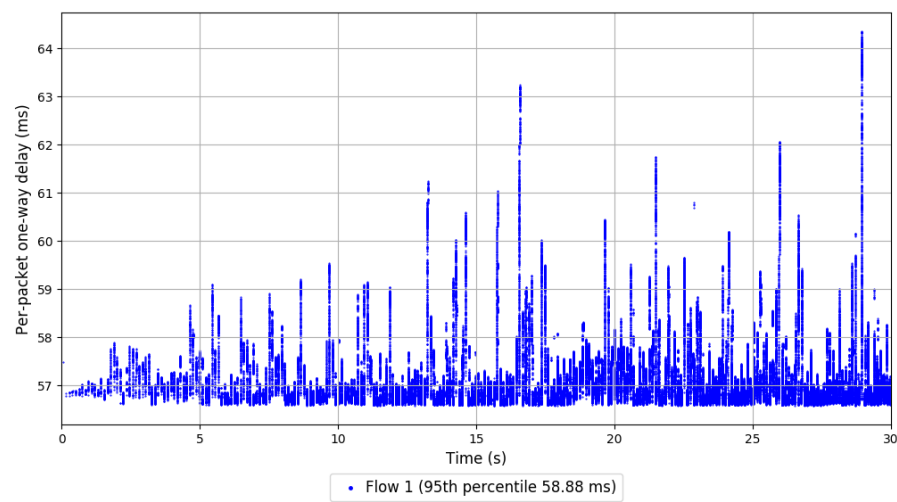
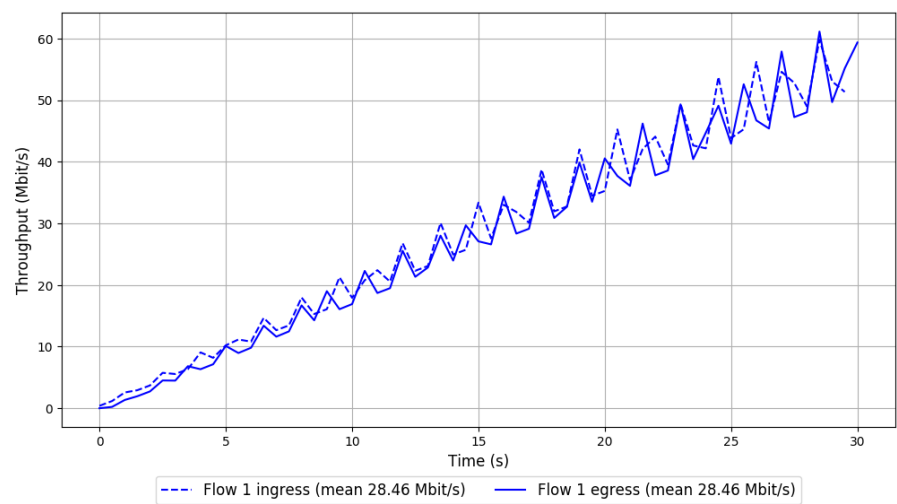


Run 5: Statistics of LEDBAT

Start at: 2020-02-19 00:18:19
End at: 2020-02-19 00:18:49
Local clock offset: -0.44 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2020-02-19 02:06:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 58.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 58.877 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

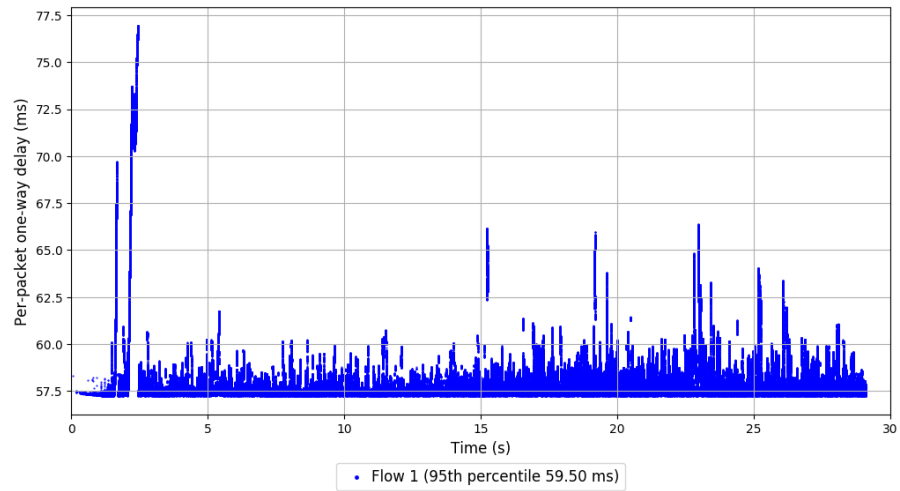
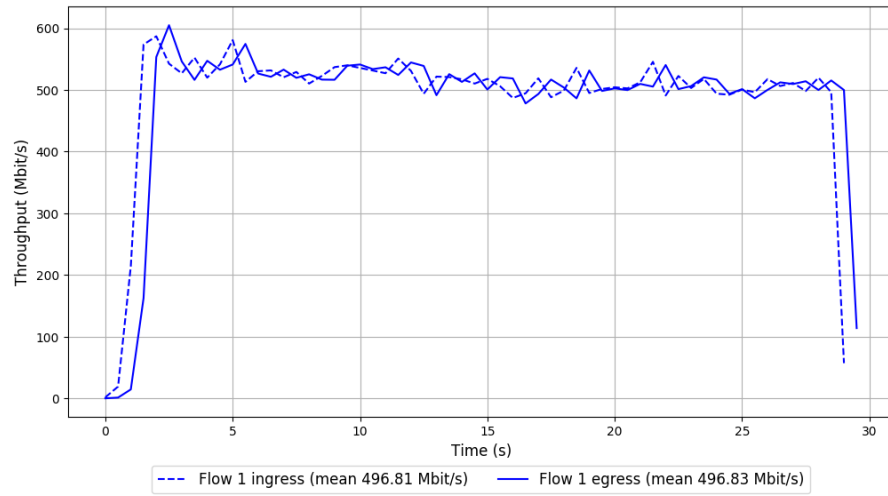


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-02-18 21:49:52
End at: 2020-02-18 21:50:22
Local clock offset: -0.427 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2020-02-19 02:11:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 496.83 Mbit/s
95th percentile per-packet one-way delay: 59.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 496.83 Mbit/s
95th percentile per-packet one-way delay: 59.501 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link

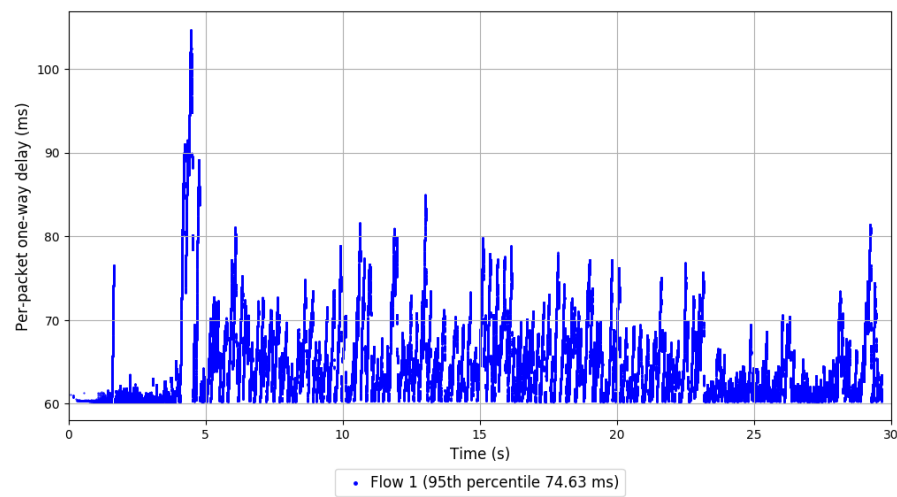
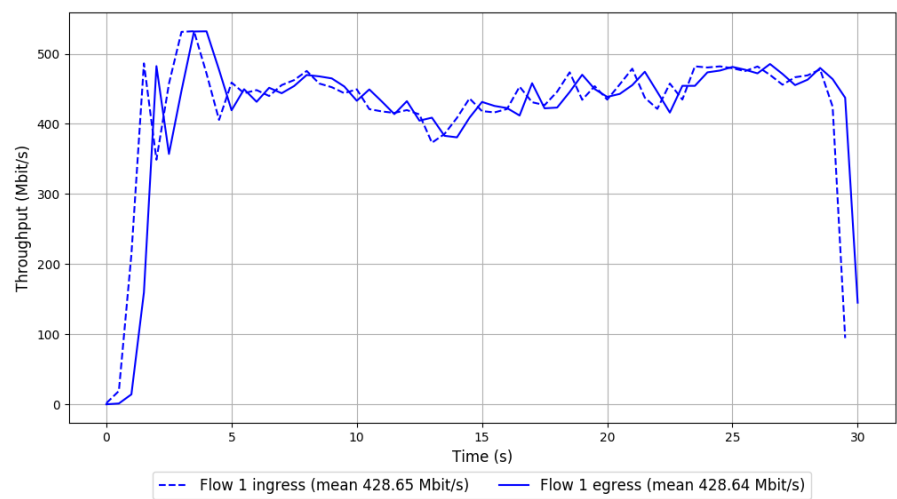


Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-18 22:23:52
End at: 2020-02-18 22:24:22
Local clock offset: -0.163 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2020-02-19 02:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 428.64 Mbit/s
95th percentile per-packet one-way delay: 74.632 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 428.64 Mbit/s
95th percentile per-packet one-way delay: 74.632 ms
Loss rate: 0.01%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-18 22:58:12

End at: 2020-02-18 22:58:42

Local clock offset: 0.064 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2020-02-19 02:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 466.81 Mbit/s

95th percentile per-packet one-way delay: 71.221 ms

Loss rate: 0.00%

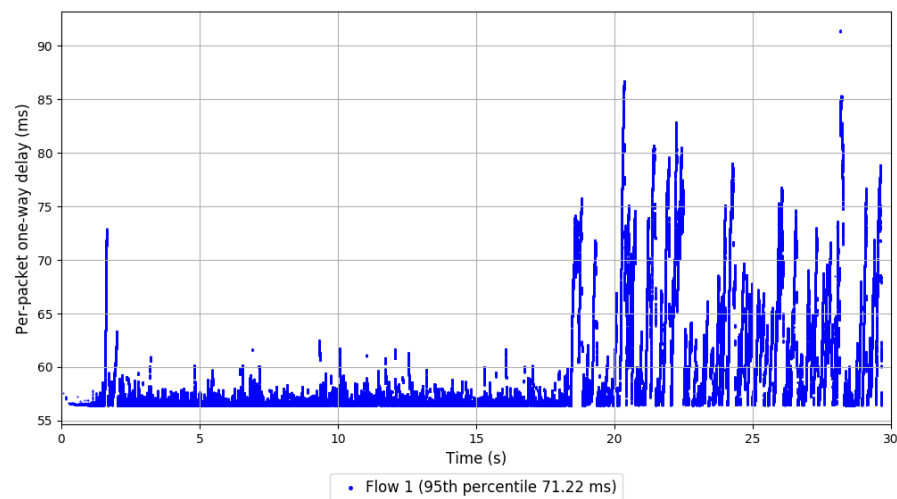
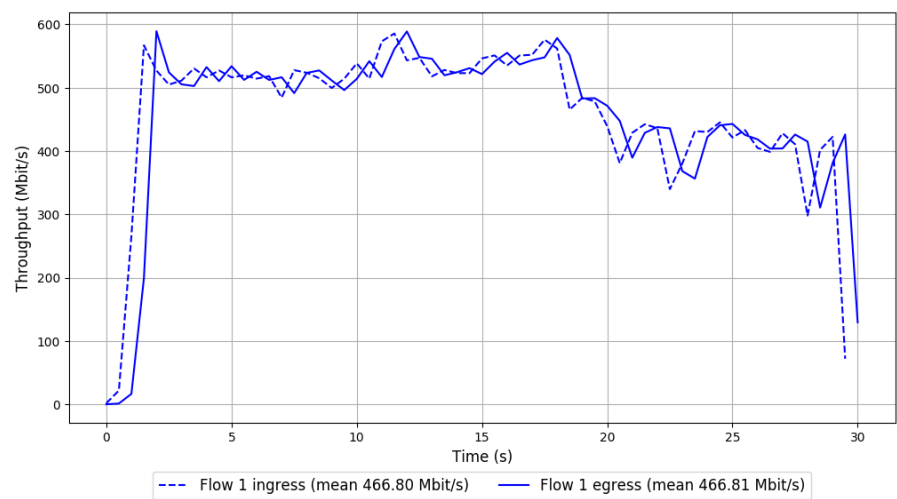
-- Flow 1:

Average throughput: 466.81 Mbit/s

95th percentile per-packet one-way delay: 71.221 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2020-02-18 23:32:57

End at: 2020-02-18 23:33:27

Local clock offset: -0.317 ms

Remote clock offset: 0.55 ms

Below is generated by plot.py at 2020-02-19 02:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.90 Mbit/s

95th percentile per-packet one-way delay: 72.330 ms

Loss rate: 0.00%

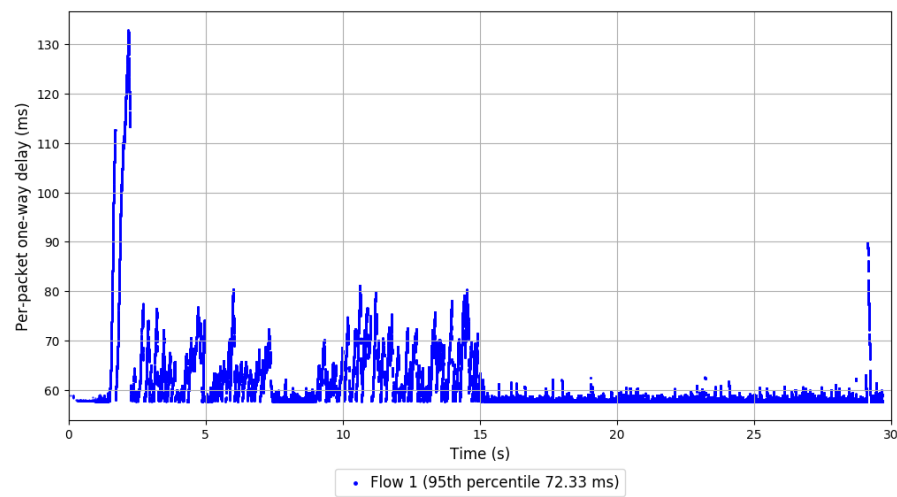
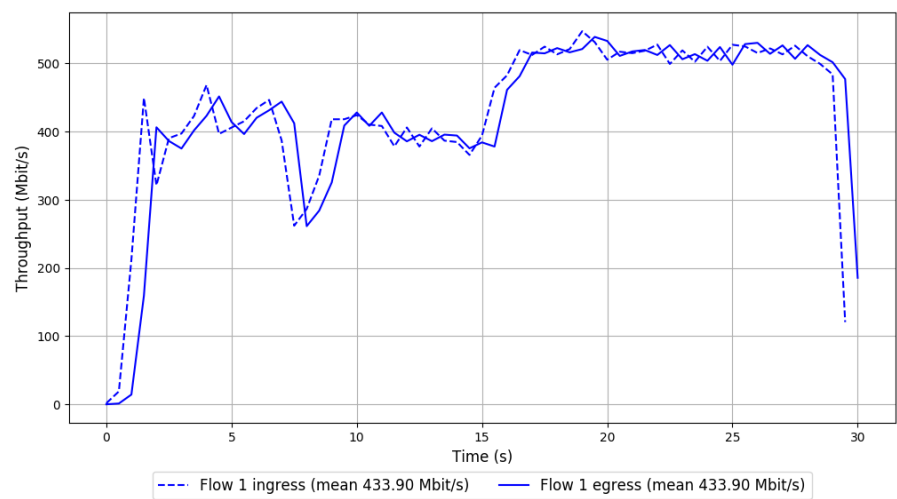
-- Flow 1:

Average throughput: 433.90 Mbit/s

95th percentile per-packet one-way delay: 72.330 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-19 00:06:58

End at: 2020-02-19 00:07:28

Local clock offset: -0.404 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2020-02-19 02:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.79 Mbit/s

95th percentile per-packet one-way delay: 59.853 ms

Loss rate: 0.01%

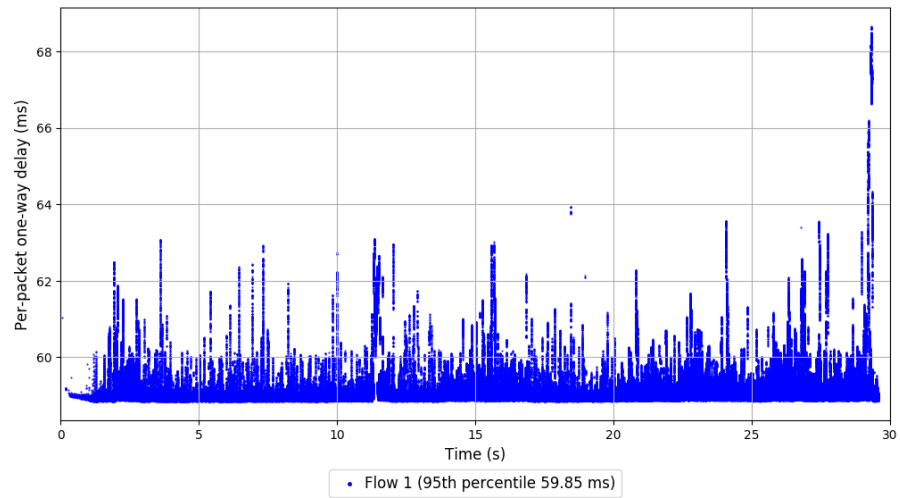
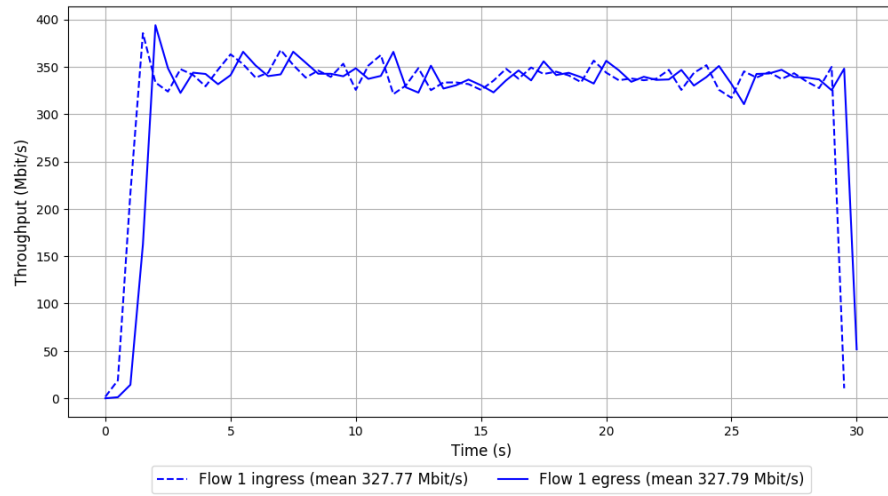
-- Flow 1:

Average throughput: 327.79 Mbit/s

95th percentile per-packet one-way delay: 59.853 ms

Loss rate: 0.01%

Run 5: Report of Muses_DecisionTree — Data Link

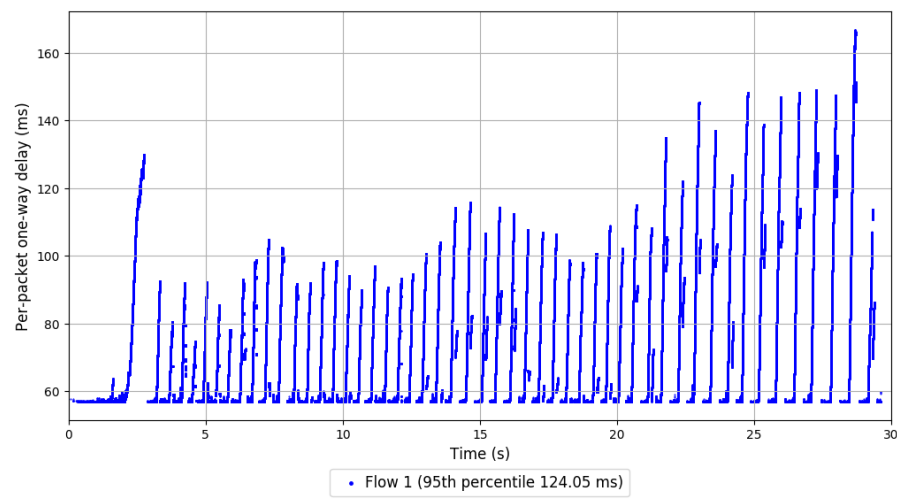
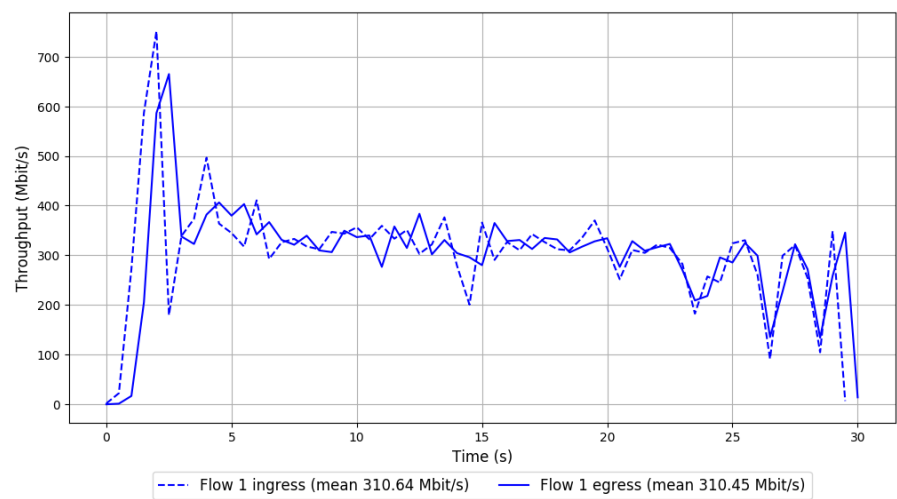



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-18 21:58:55
End at: 2020-02-18 21:59:25
Local clock offset: -0.452 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2020-02-19 02:12:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 310.45 Mbit/s
95th percentile per-packet one-way delay: 124.047 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 310.45 Mbit/s
95th percentile per-packet one-way delay: 124.047 ms
Loss rate: 0.06%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

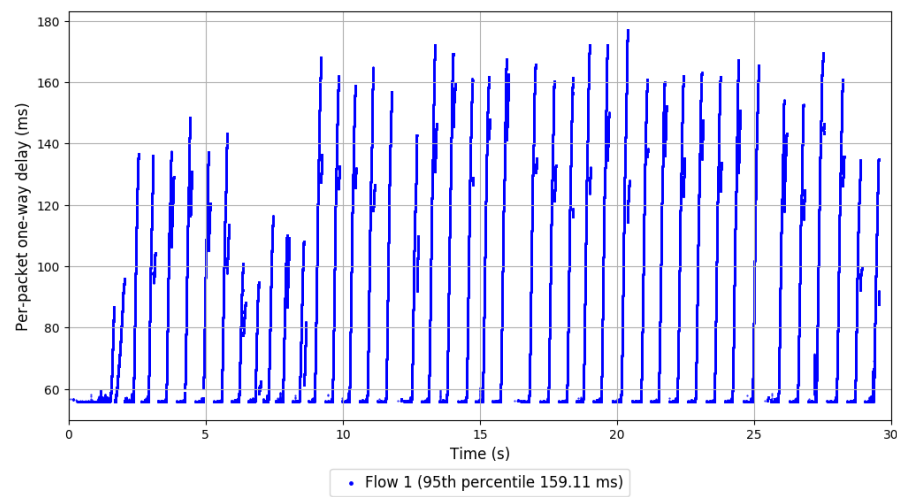
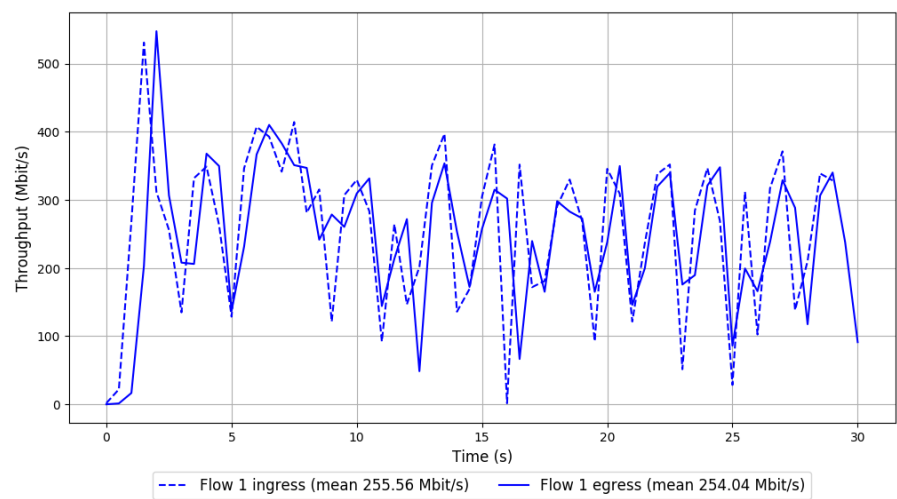


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 22:32:50
End at: 2020-02-18 22:33:20
Local clock offset: 0.141 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2020-02-19 02:12:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.04 Mbit/s
95th percentile per-packet one-way delay: 159.109 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 254.04 Mbit/s
95th percentile per-packet one-way delay: 159.109 ms
Loss rate: 0.48%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 23:07:21

End at: 2020-02-18 23:07:51

Local clock offset: -0.277 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2020-02-19 02:15:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.70 Mbit/s

95th percentile per-packet one-way delay: 120.797 ms

Loss rate: 0.12%

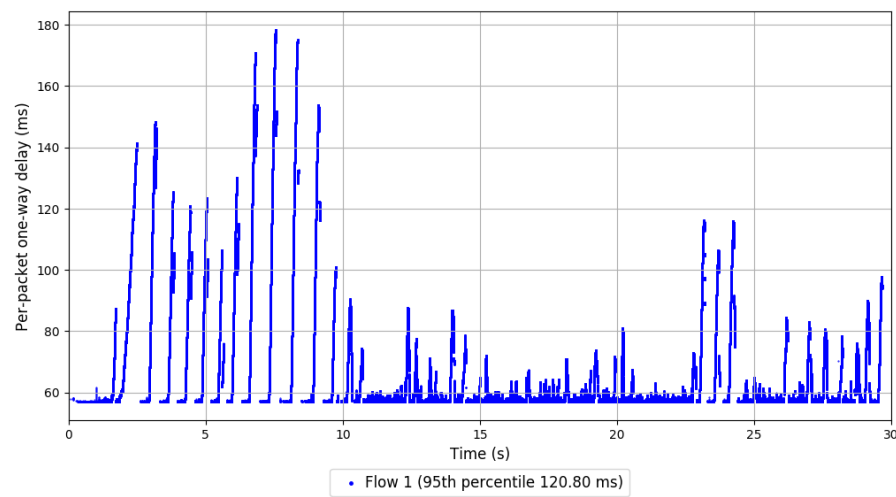
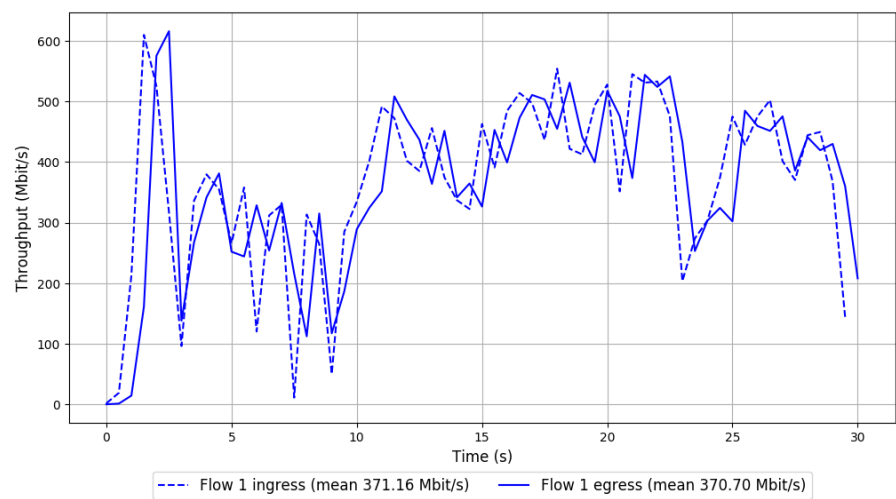
-- Flow 1:

Average throughput: 370.70 Mbit/s

95th percentile per-packet one-way delay: 120.797 ms

Loss rate: 0.12%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

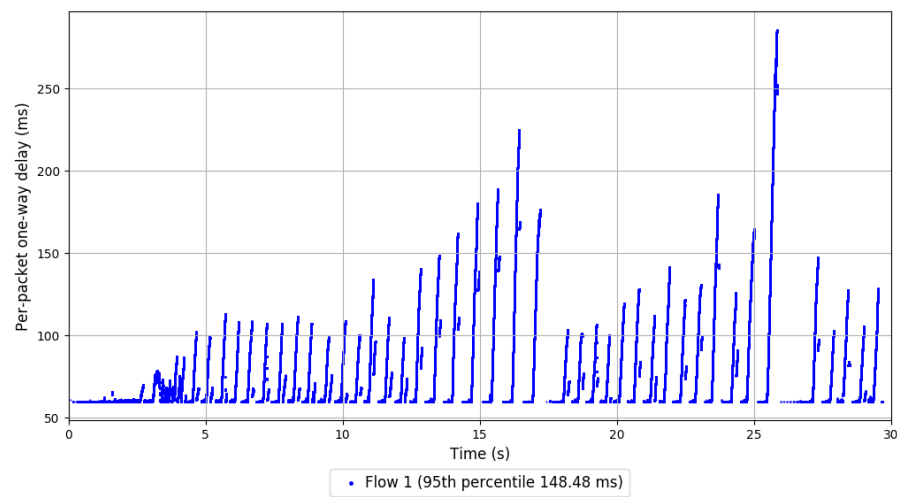
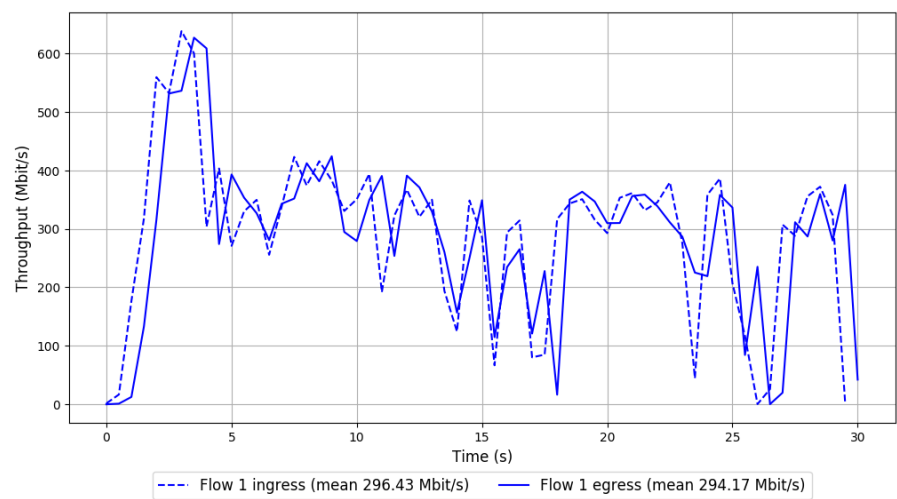


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 23:42:06
End at: 2020-02-18 23:42:36
Local clock offset: 0.002 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2020-02-19 02:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.17 Mbit/s
95th percentile per-packet one-way delay: 148.477 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 294.17 Mbit/s
95th percentile per-packet one-way delay: 148.477 ms
Loss rate: 0.77%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

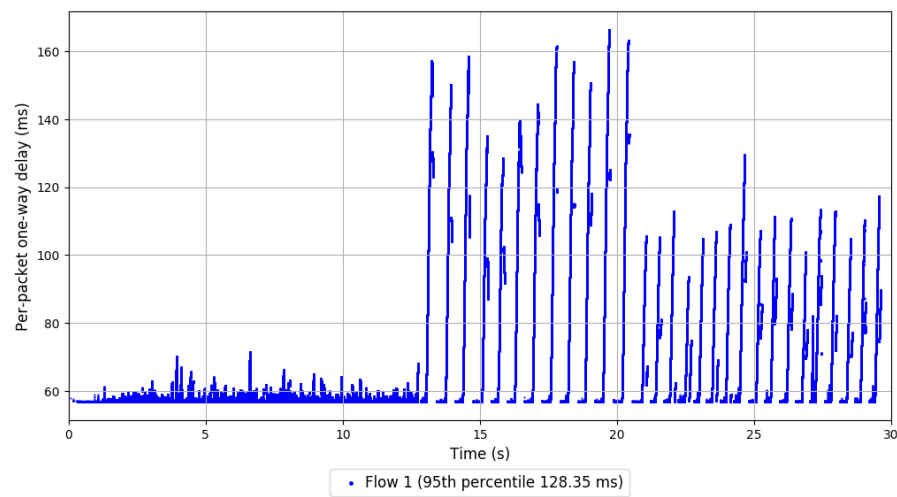
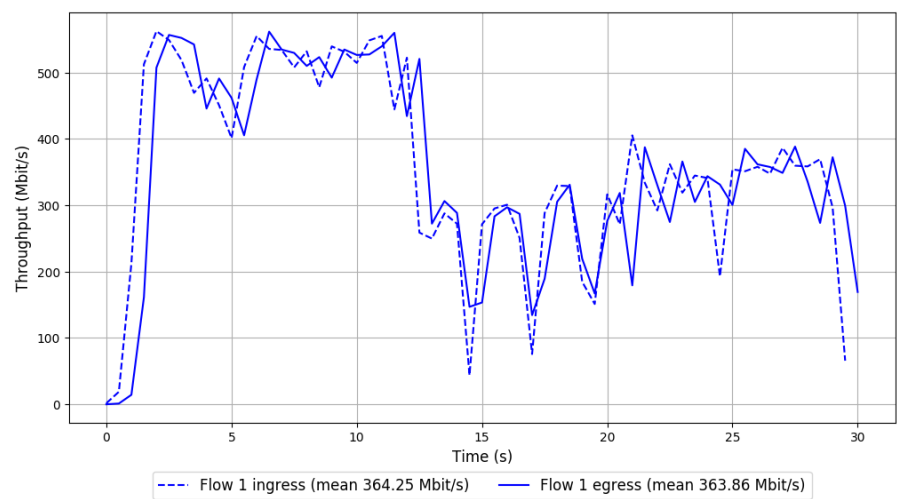



```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-19 00:15:45
End at: 2020-02-19 00:16:15
Local clock offset: -0.465 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2020-02-19 02:18:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.86 Mbit/s
95th percentile per-packet one-way delay: 128.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.86 Mbit/s
95th percentile per-packet one-way delay: 128.353 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

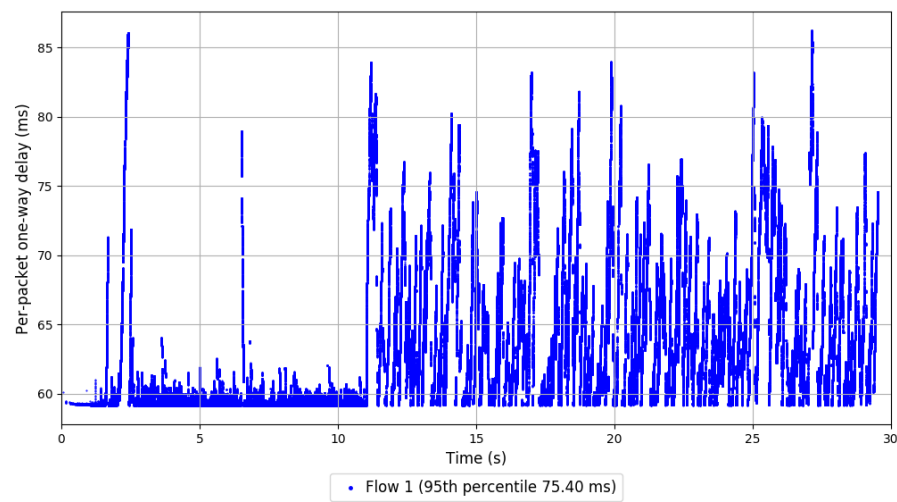
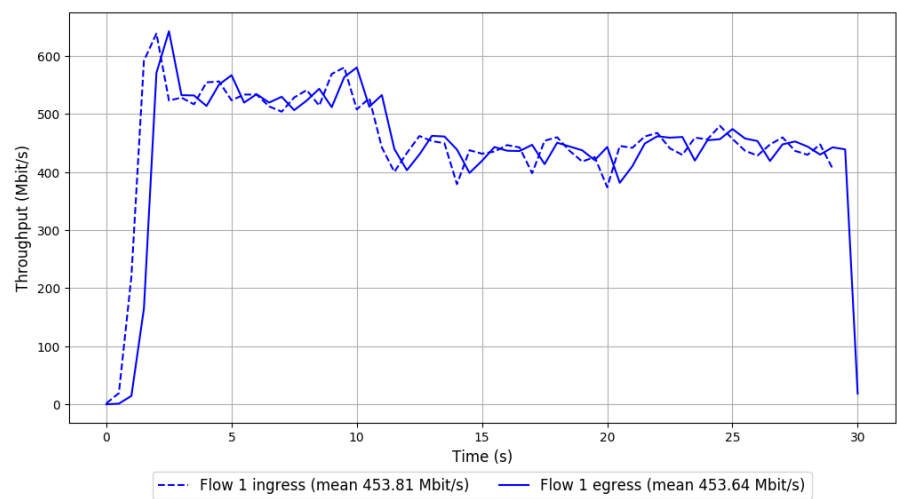


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-18 21:57:24
End at: 2020-02-18 21:57:54
Local clock offset: 0.204 ms
Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2020-02-19 02:22:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.64 Mbit/s
95th percentile per-packet one-way delay: 75.404 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 453.64 Mbit/s
95th percentile per-packet one-way delay: 75.404 ms
Loss rate: 0.04%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 22:31:24

End at: 2020-02-18 22:31:54

Local clock offset: 0.151 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2020-02-19 02:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.95 Mbit/s

95th percentile per-packet one-way delay: 57.147 ms

Loss rate: 0.00%

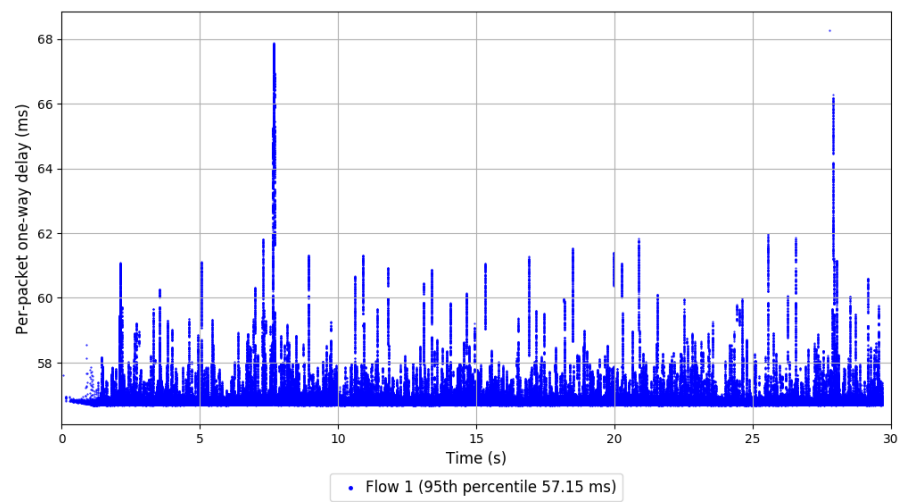
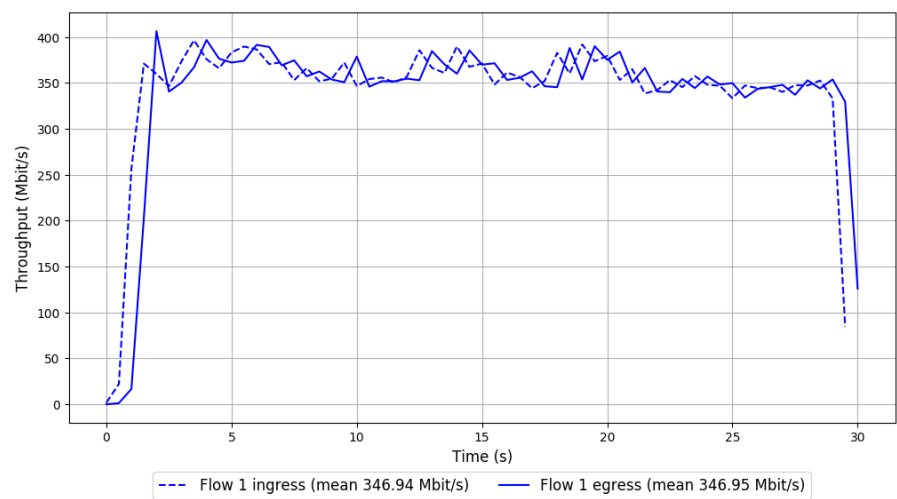
-- Flow 1:

Average throughput: 346.95 Mbit/s

95th percentile per-packet one-way delay: 57.147 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 23:05:48

End at: 2020-02-18 23:06:18

Local clock offset: -0.275 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2020-02-19 02:23:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.36 Mbit/s

95th percentile per-packet one-way delay: 60.909 ms

Loss rate: 0.01%

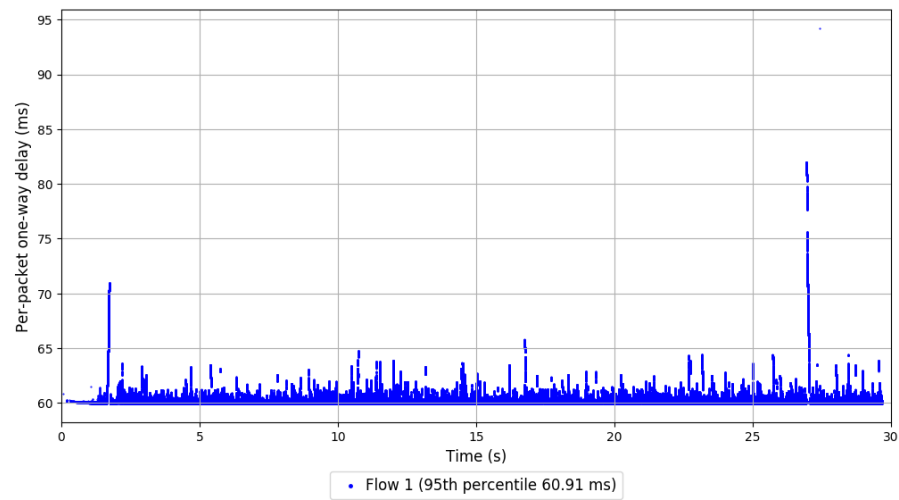
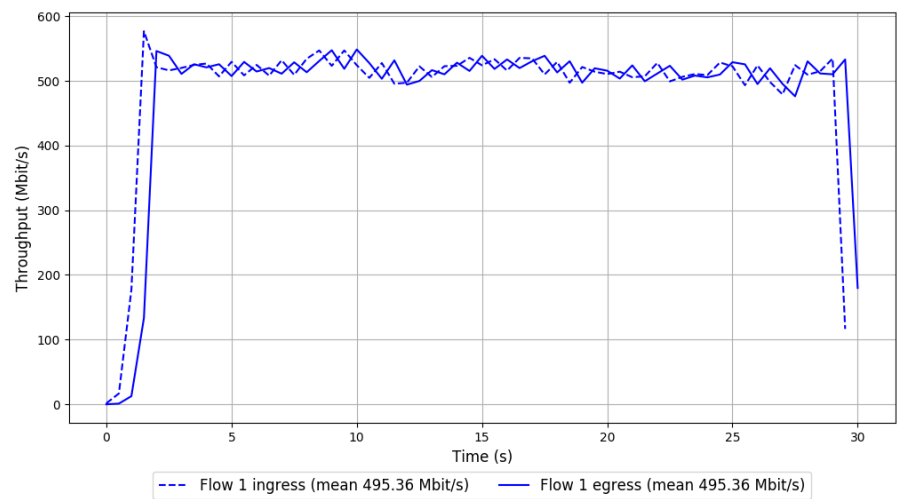
-- Flow 1:

Average throughput: 495.36 Mbit/s

95th percentile per-packet one-way delay: 60.909 ms

Loss rate: 0.01%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

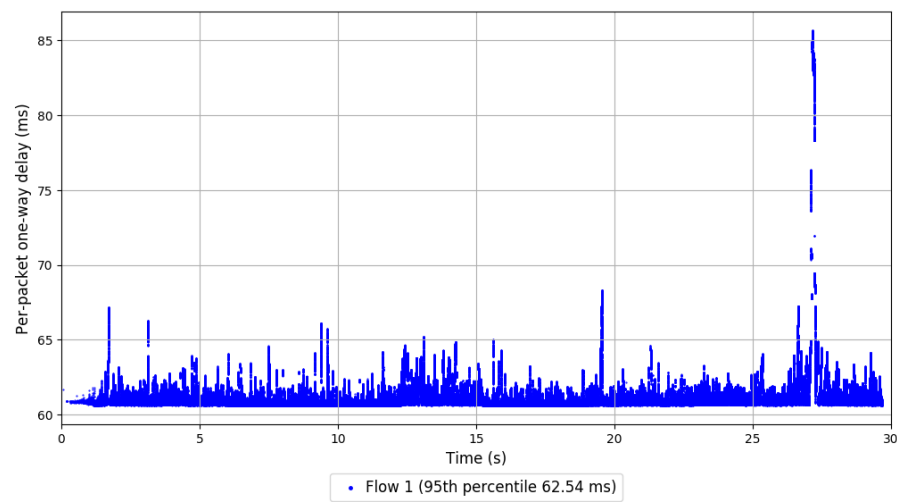
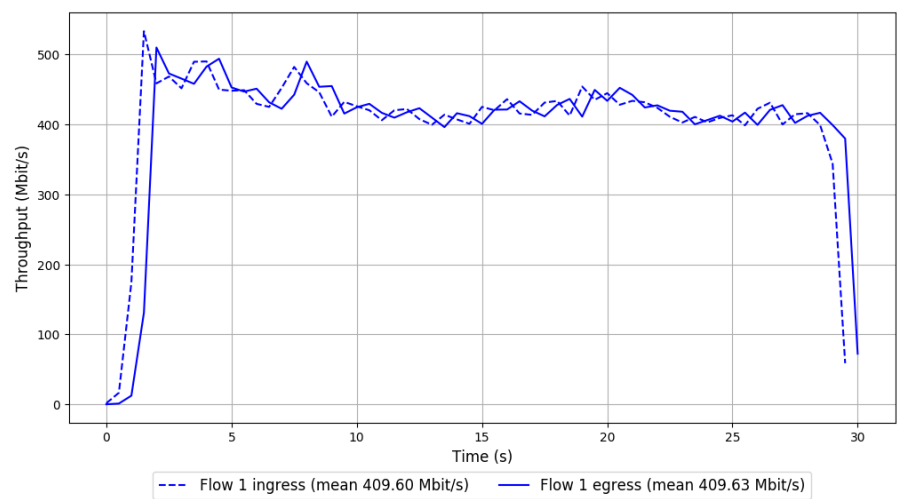


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 23:40:38
End at: 2020-02-18 23:41:08
Local clock offset: -0.674 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2020-02-19 02:23:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.63 Mbit/s
95th percentile per-packet one-way delay: 62.539 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 409.63 Mbit/s
95th percentile per-packet one-way delay: 62.539 ms
Loss rate: 0.01%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-19 00:14:16

End at: 2020-02-19 00:14:46

Local clock offset: -0.409 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2020-02-19 02:23:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.65 Mbit/s

95th percentile per-packet one-way delay: 77.072 ms

Loss rate: 0.02%

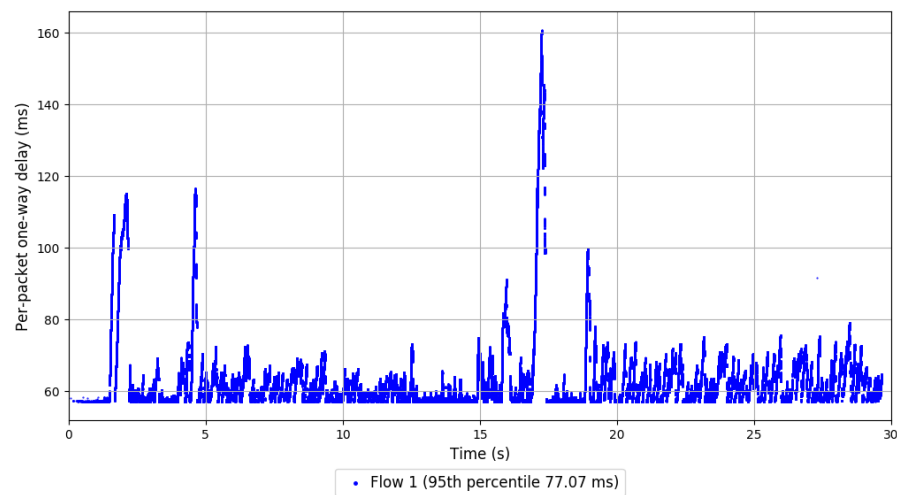
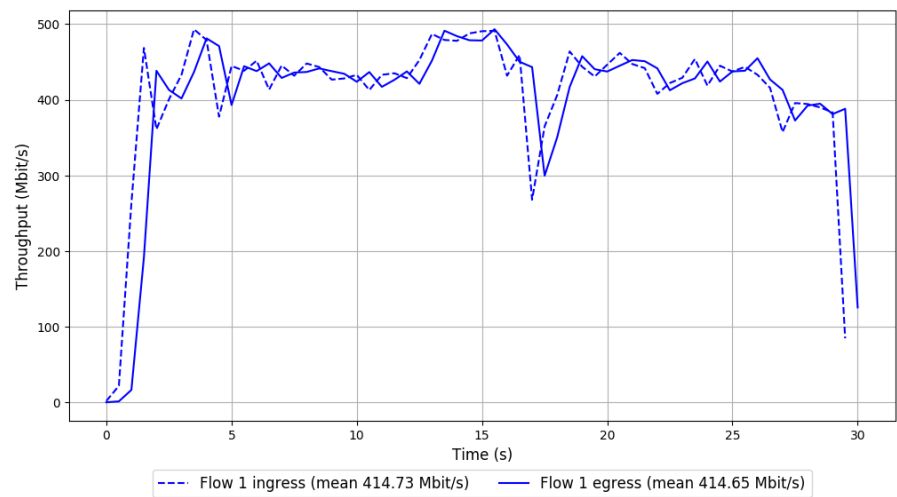
-- Flow 1:

Average throughput: 414.65 Mbit/s

95th percentile per-packet one-way delay: 77.072 ms

Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

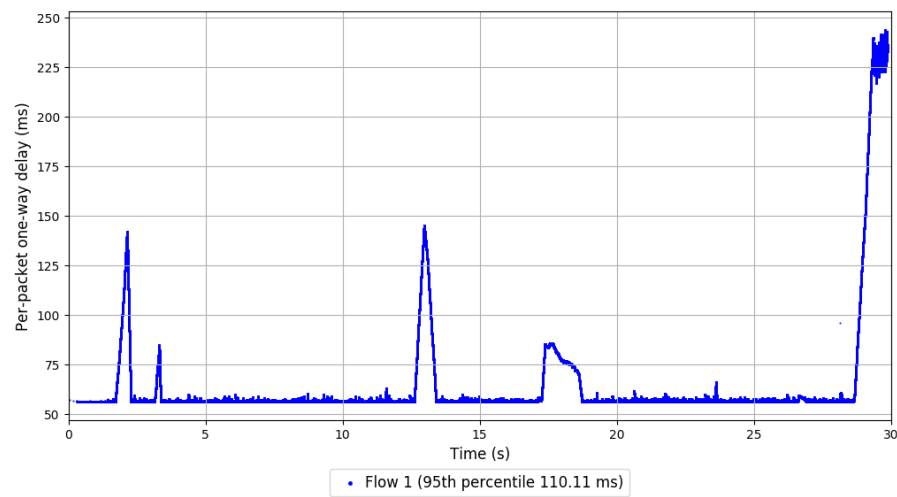
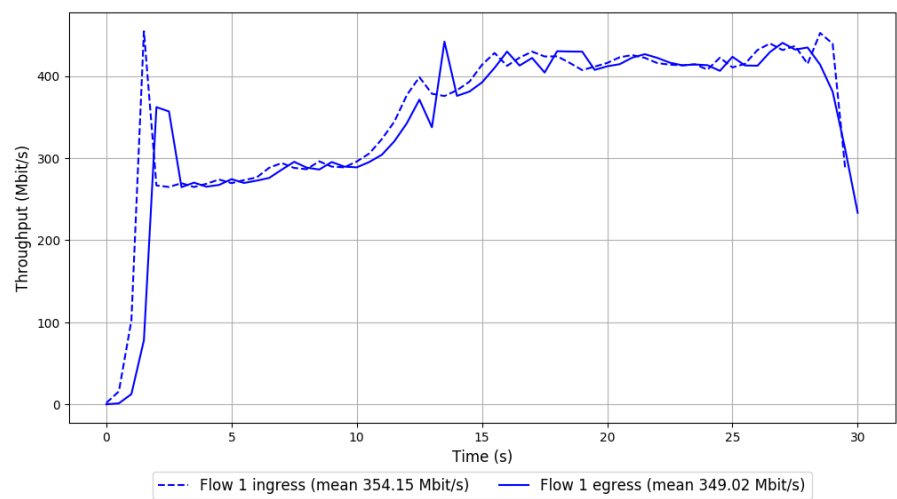


```
Run 1: Statistics of PCC-Allegro

Start at: 2020-02-18 22:04:06
End at: 2020-02-18 22:04:36
Local clock offset: -0.182 ms
Remote clock offset: -0.373 ms

# Below is generated by plot.py at 2020-02-19 02:32:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.02 Mbit/s
95th percentile per-packet one-way delay: 110.110 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 349.02 Mbit/s
95th percentile per-packet one-way delay: 110.110 ms
Loss rate: 1.45%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2020-02-18 22:37:59

End at: 2020-02-18 22:38:29

Local clock offset: 0.122 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2020-02-19 02:36:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.23 Mbit/s

95th percentile per-packet one-way delay: 204.163 ms

Loss rate: 4.03%

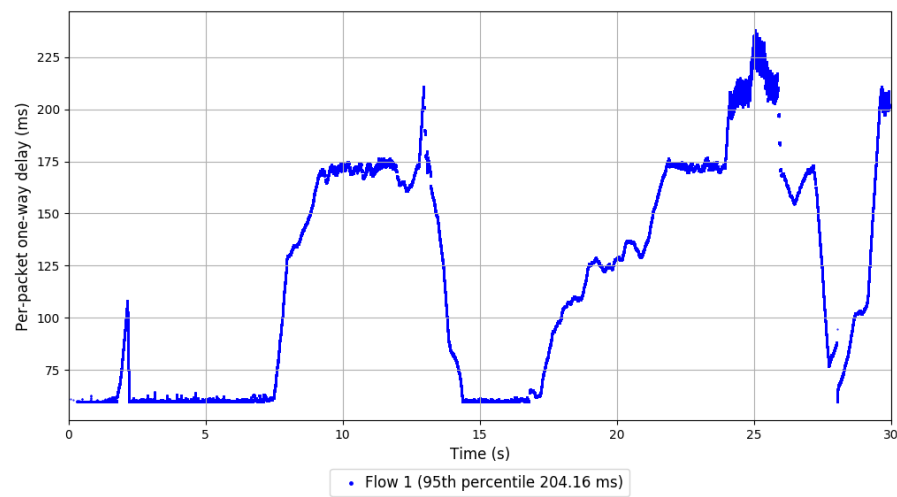
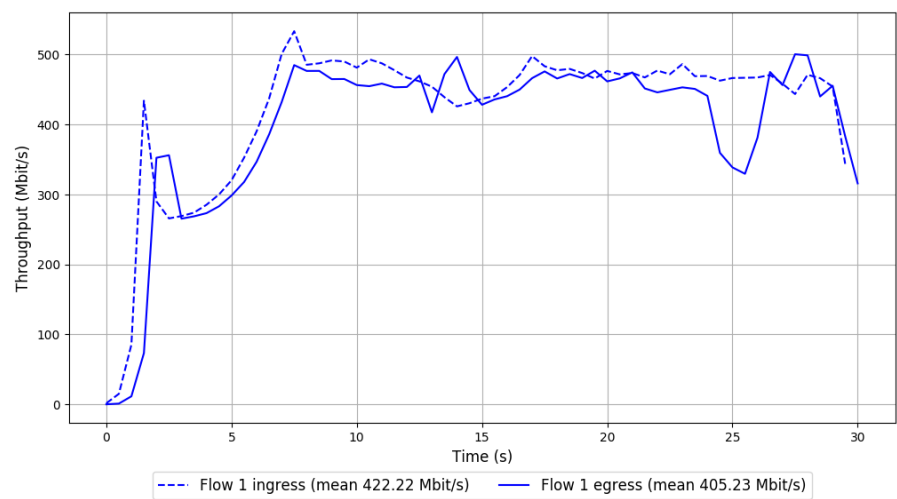
-- Flow 1:

Average throughput: 405.23 Mbit/s

95th percentile per-packet one-way delay: 204.163 ms

Loss rate: 4.03%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2020-02-18 23:12:37

End at: 2020-02-18 23:13:07

Local clock offset: -0.605 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2020-02-19 02:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.74 Mbit/s

95th percentile per-packet one-way delay: 212.496 ms

Loss rate: 6.91%

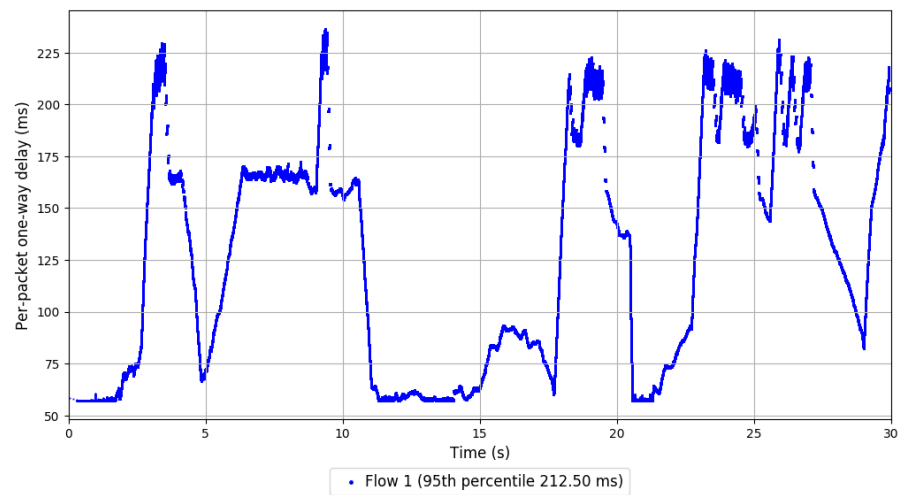
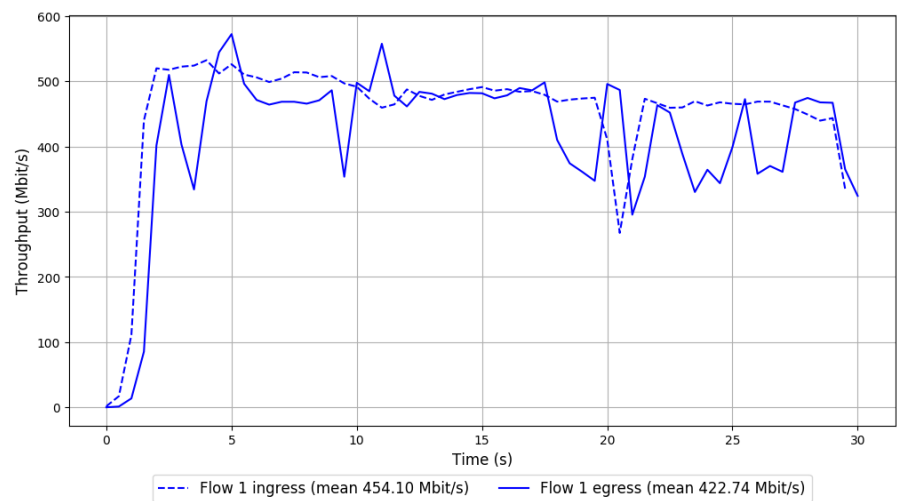
-- Flow 1:

Average throughput: 422.74 Mbit/s

95th percentile per-packet one-way delay: 212.496 ms

Loss rate: 6.91%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2020-02-18 23:47:18

End at: 2020-02-18 23:47:48

Local clock offset: -0.728 ms

Remote clock offset: 0.698 ms

Below is generated by plot.py at 2020-02-19 02:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.48 Mbit/s

95th percentile per-packet one-way delay: 220.110 ms

Loss rate: 3.88%

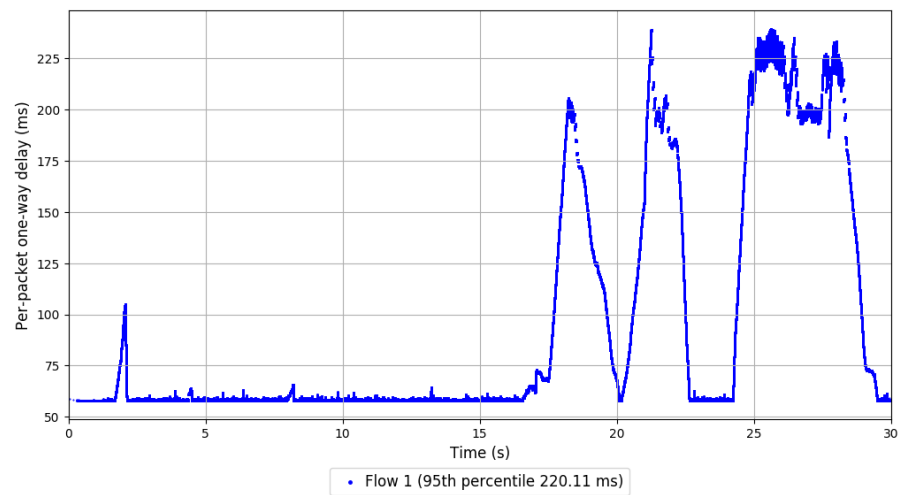
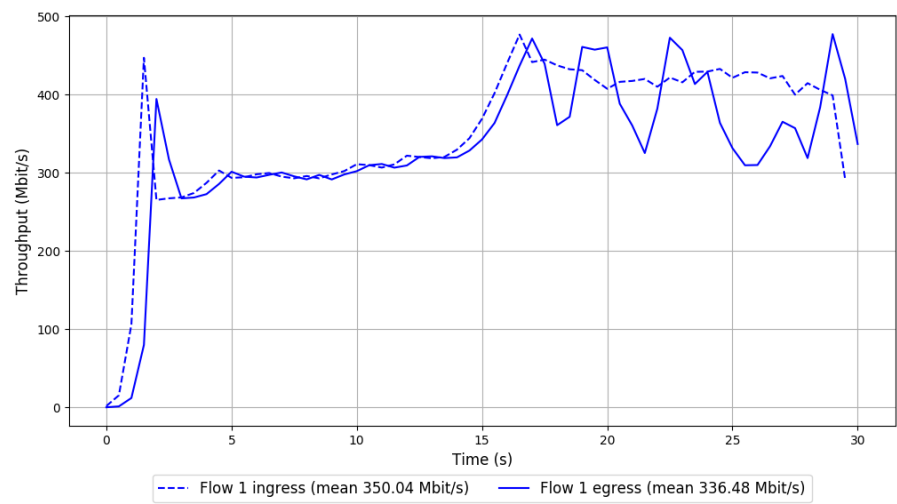
-- Flow 1:

Average throughput: 336.48 Mbit/s

95th percentile per-packet one-way delay: 220.110 ms

Loss rate: 3.88%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2020-02-19 00:20:58

End at: 2020-02-19 00:21:28

Local clock offset: -0.794 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2020-02-19 02:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.75 Mbit/s

95th percentile per-packet one-way delay: 217.310 ms

Loss rate: 0.92%

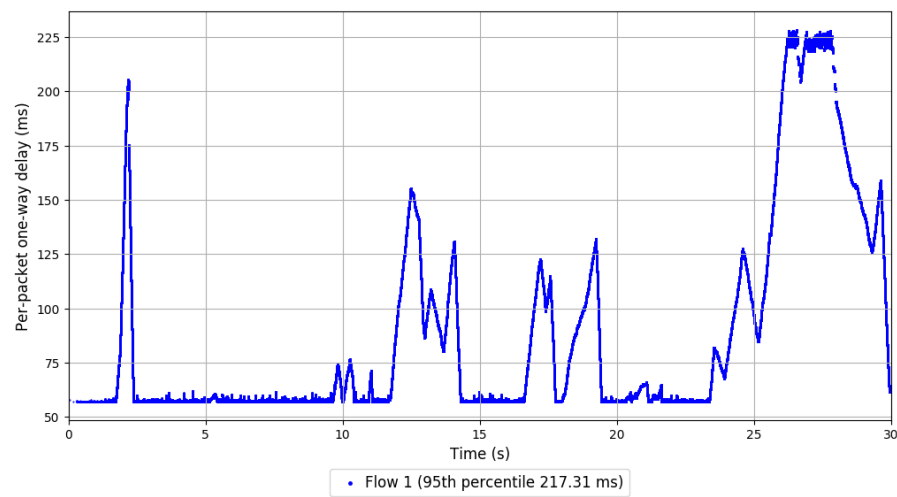
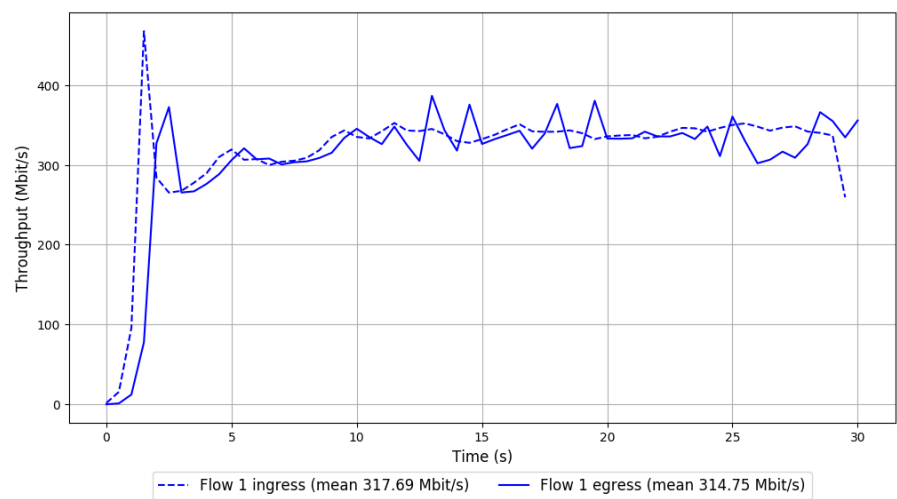
-- Flow 1:

Average throughput: 314.75 Mbit/s

95th percentile per-packet one-way delay: 217.310 ms

Loss rate: 0.92%

Run 5: Report of PCC-Allegro — Data Link

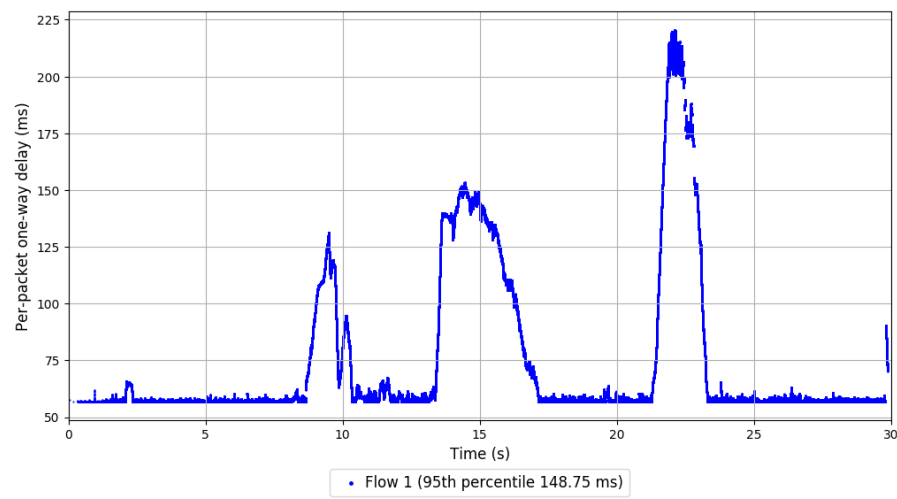
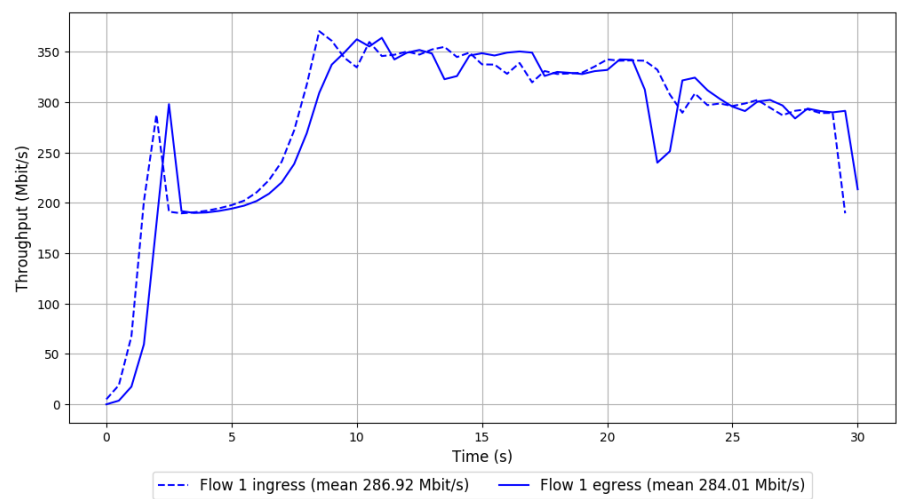


Run 1: Statistics of PCC-Expr

Start at: 2020-02-18 21:38:37
End at: 2020-02-18 21:39:07
Local clock offset: -0.386 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2020-02-19 02:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.01 Mbit/s
95th percentile per-packet one-way delay: 148.753 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 284.01 Mbit/s
95th percentile per-packet one-way delay: 148.753 ms
Loss rate: 1.01%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2020-02-18 22:12:23

End at: 2020-02-18 22:12:53

Local clock offset: -0.264 ms

Remote clock offset: -0.6 ms

Below is generated by plot.py at 2020-02-19 02:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.05 Mbit/s

95th percentile per-packet one-way delay: 86.156 ms

Loss rate: 0.00%

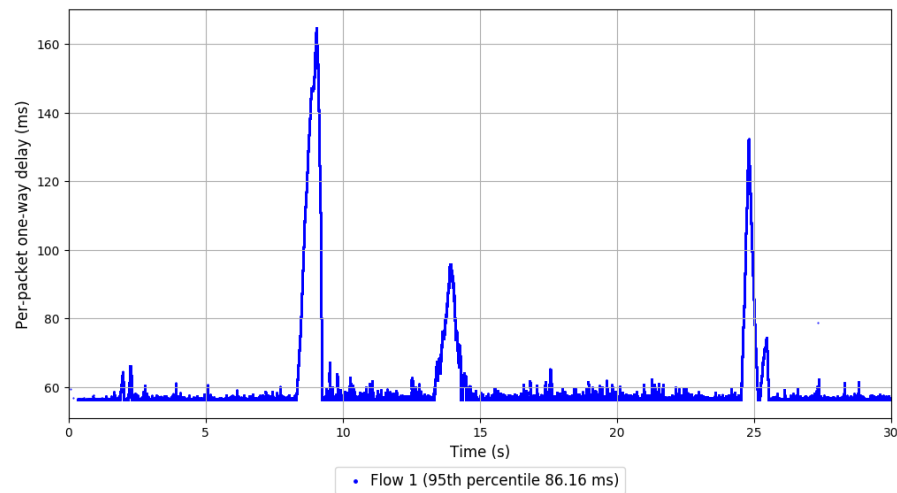
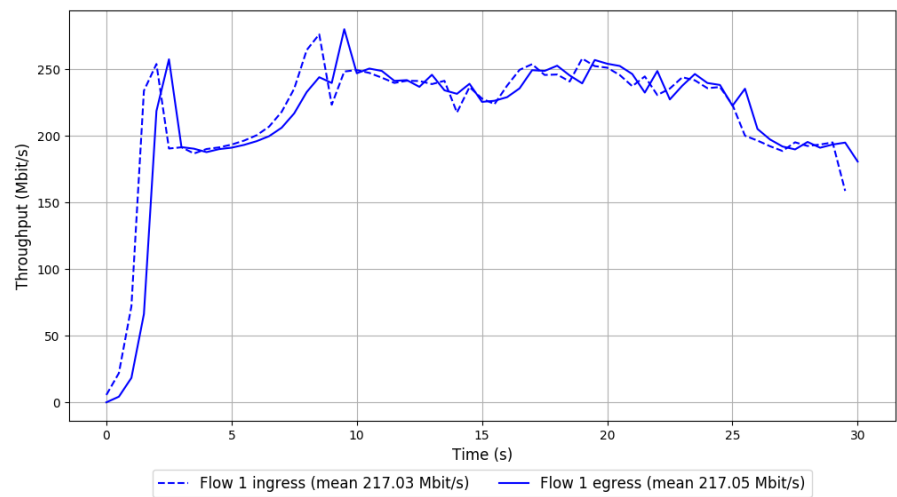
-- Flow 1:

Average throughput: 217.05 Mbit/s

95th percentile per-packet one-way delay: 86.156 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2020-02-18 22:46:24

End at: 2020-02-18 22:46:54

Local clock offset: 0.172 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2020-02-19 02:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.75 Mbit/s

95th percentile per-packet one-way delay: 77.987 ms

Loss rate: 0.00%

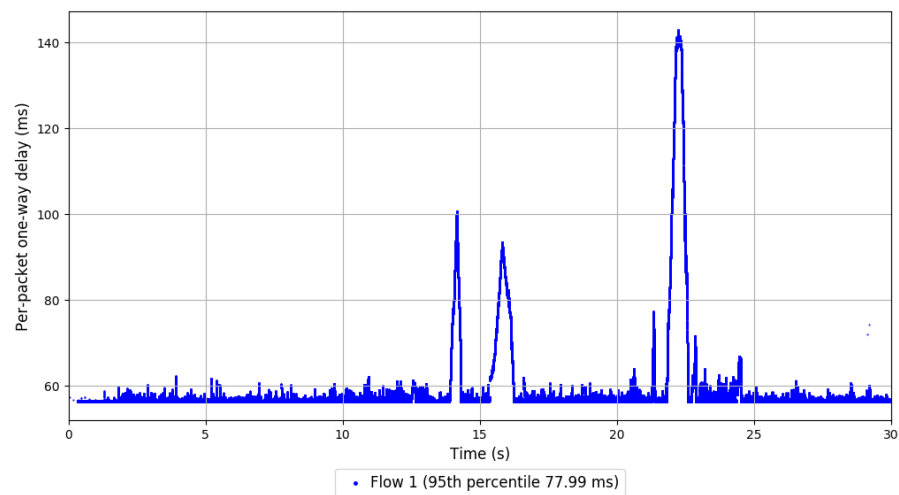
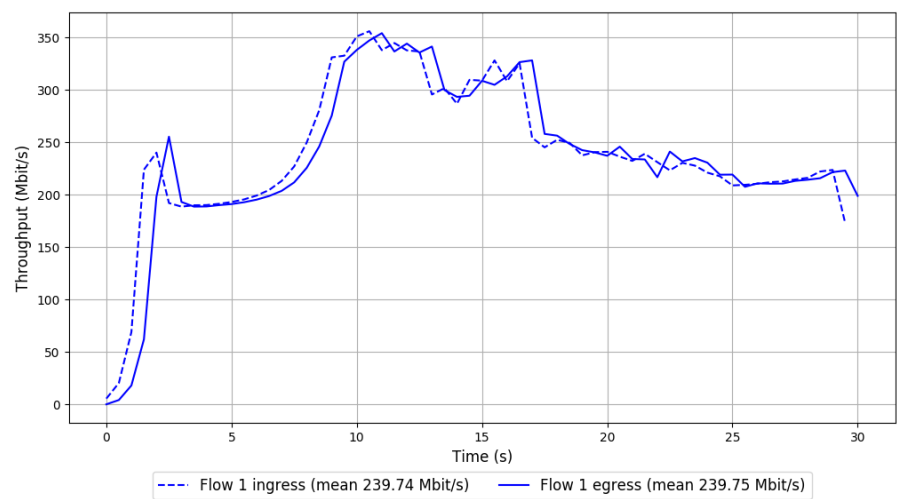
-- Flow 1:

Average throughput: 239.75 Mbit/s

95th percentile per-packet one-way delay: 77.987 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

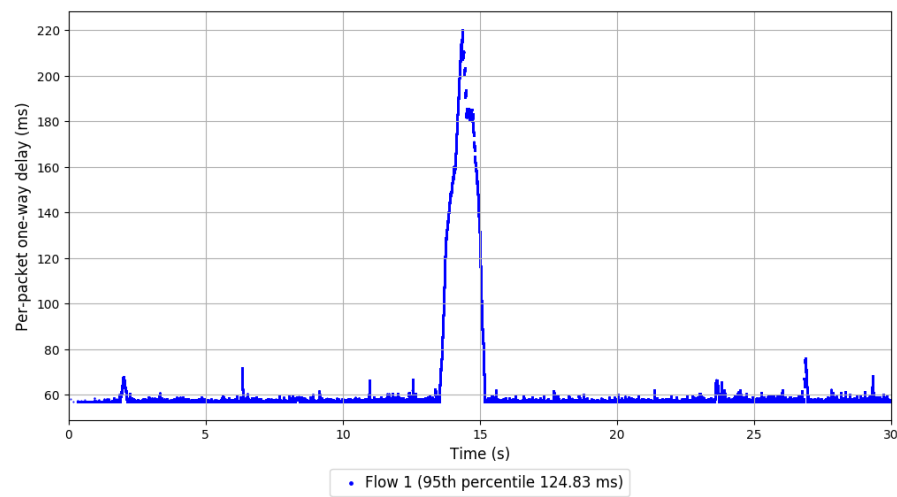
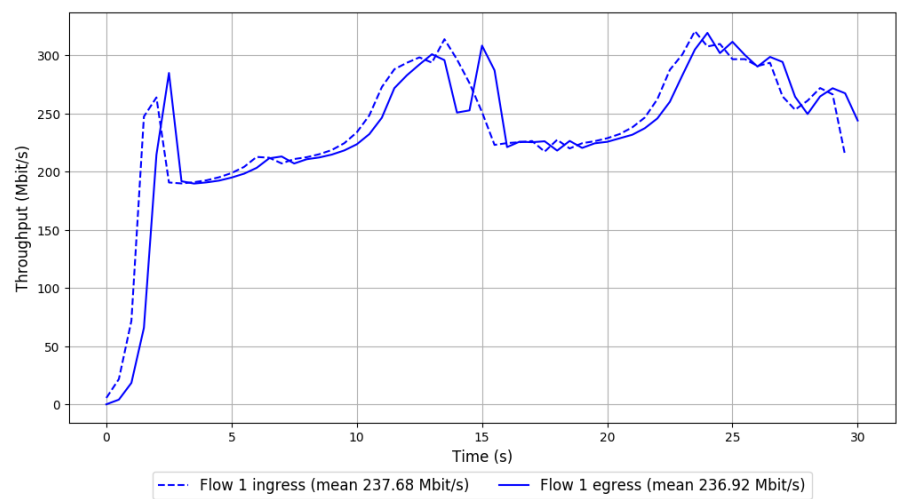


Run 4: Statistics of PCC-Expr

Start at: 2020-02-18 23:21:01
End at: 2020-02-18 23:21:31
Local clock offset: -0.308 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2020-02-19 02:43:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.92 Mbit/s
95th percentile per-packet one-way delay: 124.830 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 236.92 Mbit/s
95th percentile per-packet one-way delay: 124.830 ms
Loss rate: 0.32%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2020-02-18 23:55:27

End at: 2020-02-18 23:55:57

Local clock offset: -0.357 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.71 Mbit/s

95th percentile per-packet one-way delay: 159.440 ms

Loss rate: 0.51%

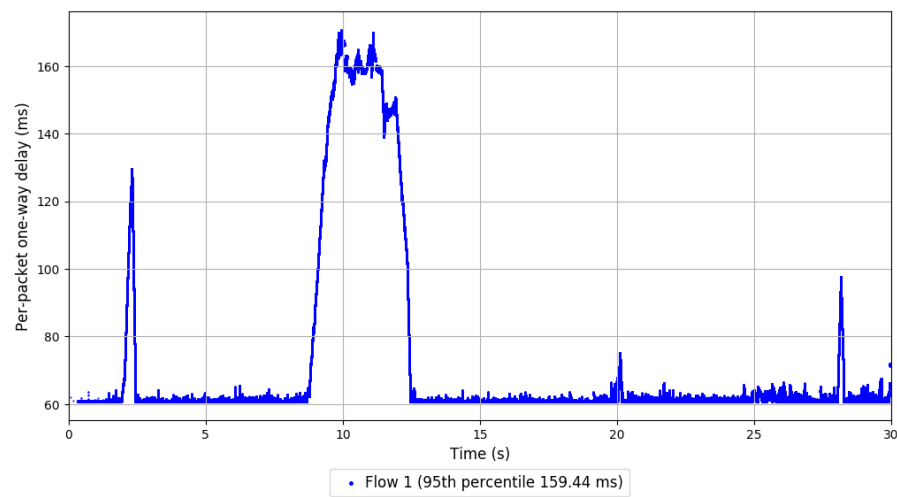
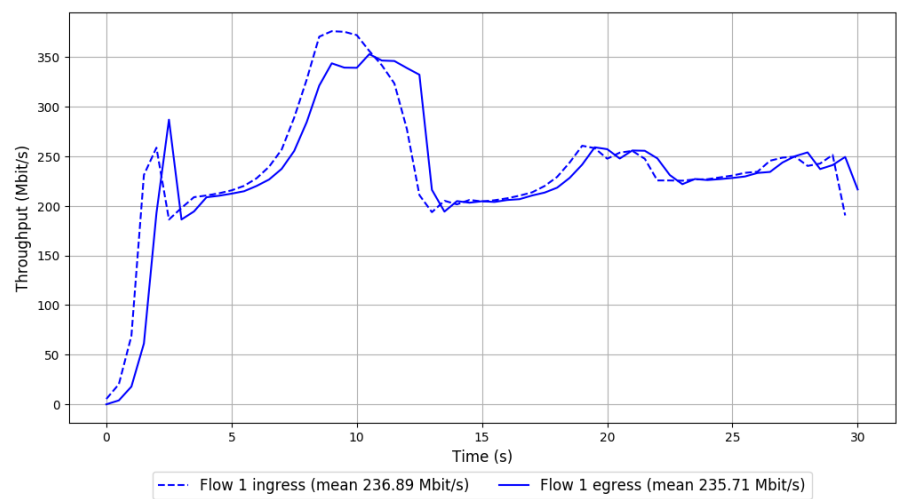
-- Flow 1:

Average throughput: 235.71 Mbit/s

95th percentile per-packet one-way delay: 159.440 ms

Loss rate: 0.51%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

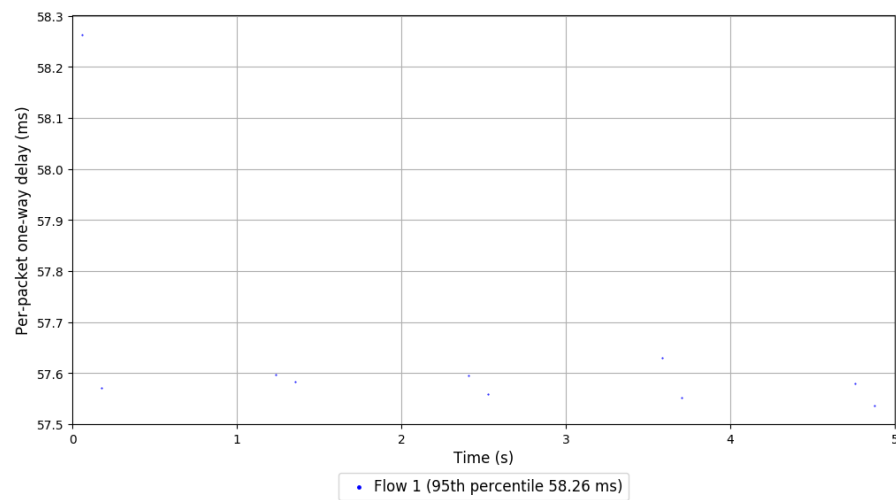
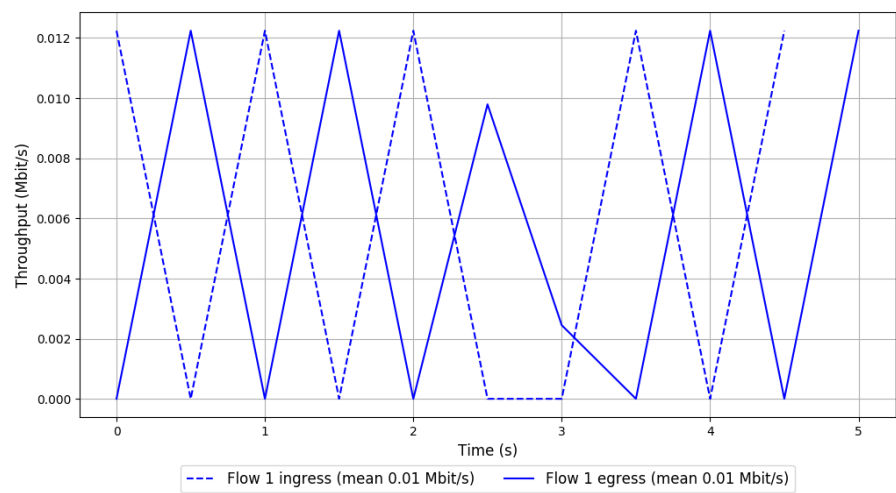
Start at: 2020-02-18 21:40:11

End at: 2020-02-18 21:40:41

Local clock offset: -0.397 ms

Remote clock offset: 0.029 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-18 22:13:51

End at: 2020-02-18 22:14:21

Local clock offset: 0.199 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.74 Mbit/s

95th percentile per-packet one-way delay: 56.196 ms

Loss rate: 0.00%

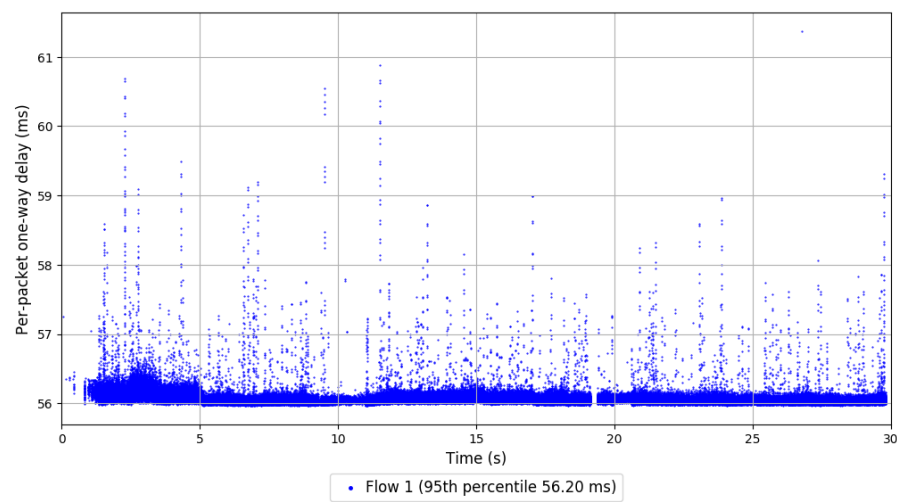
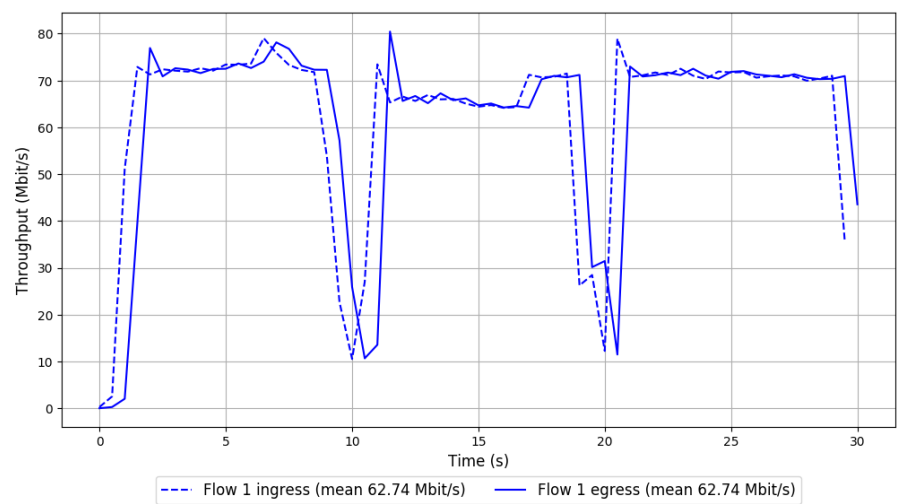
-- Flow 1:

Average throughput: 62.74 Mbit/s

95th percentile per-packet one-way delay: 56.196 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2020-02-18 22:47:54

End at: 2020-02-18 22:48:24

Local clock offset: -0.692 ms

Remote clock offset: -0.173 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.94 Mbit/s

95th percentile per-packet one-way delay: 60.545 ms

Loss rate: 0.00%

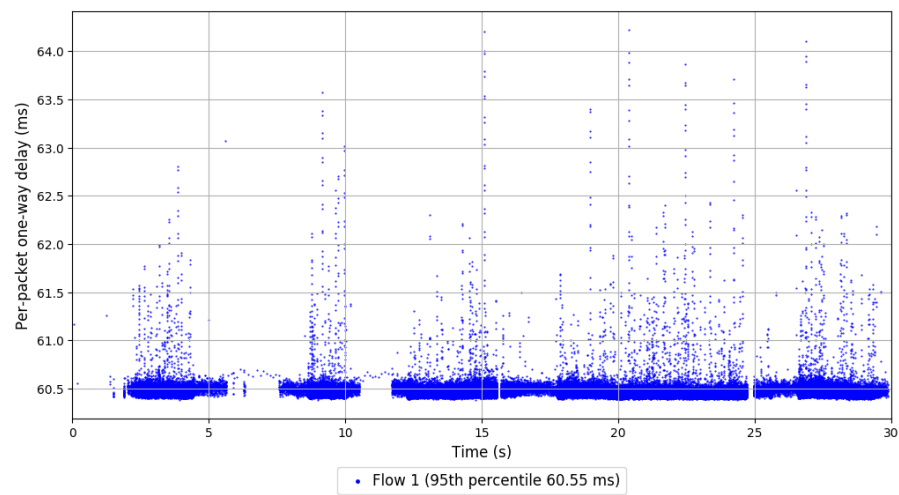
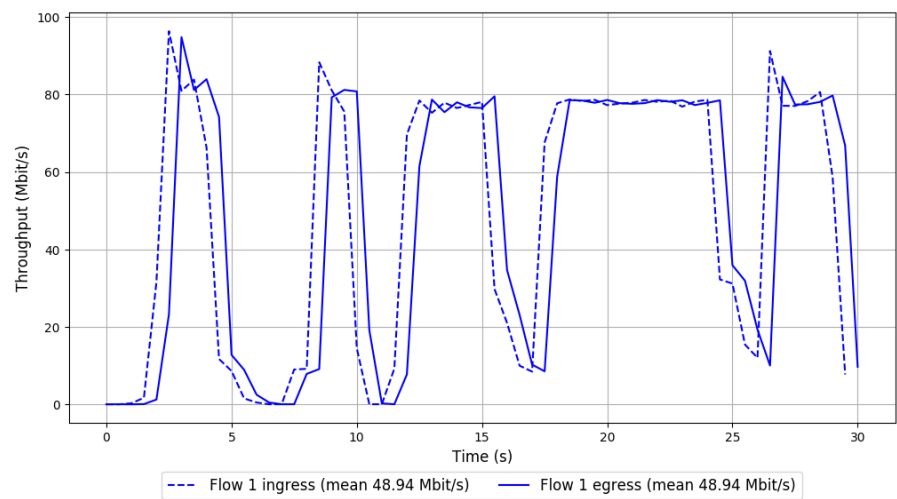
-- Flow 1:

Average throughput: 48.94 Mbit/s

95th percentile per-packet one-way delay: 60.545 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2020-02-18 23:22:30

End at: 2020-02-18 23:23:00

Local clock offset: -0.264 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.51 Mbit/s

95th percentile per-packet one-way delay: 56.869 ms

Loss rate: 0.00%

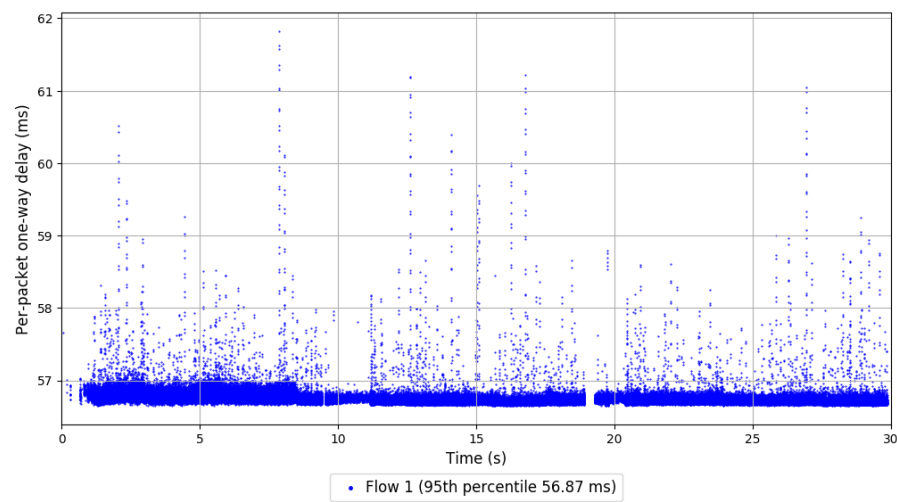
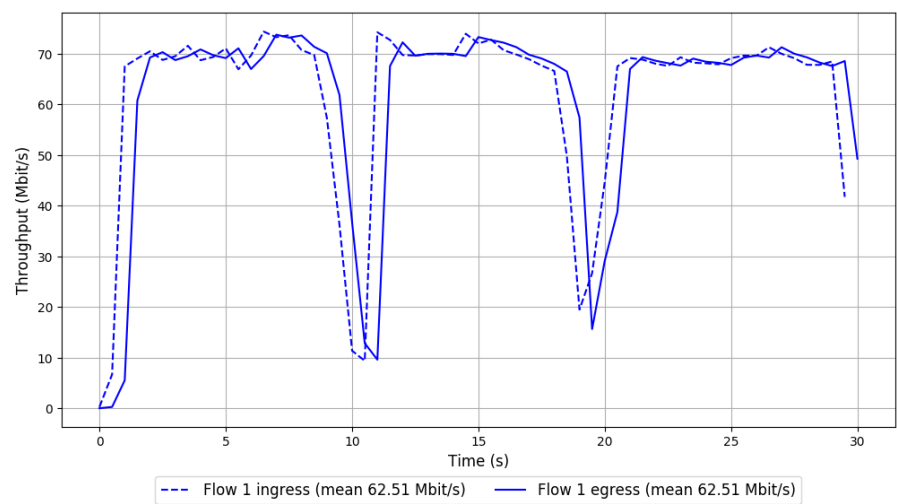
-- Flow 1:

Average throughput: 62.51 Mbit/s

95th percentile per-packet one-way delay: 56.869 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

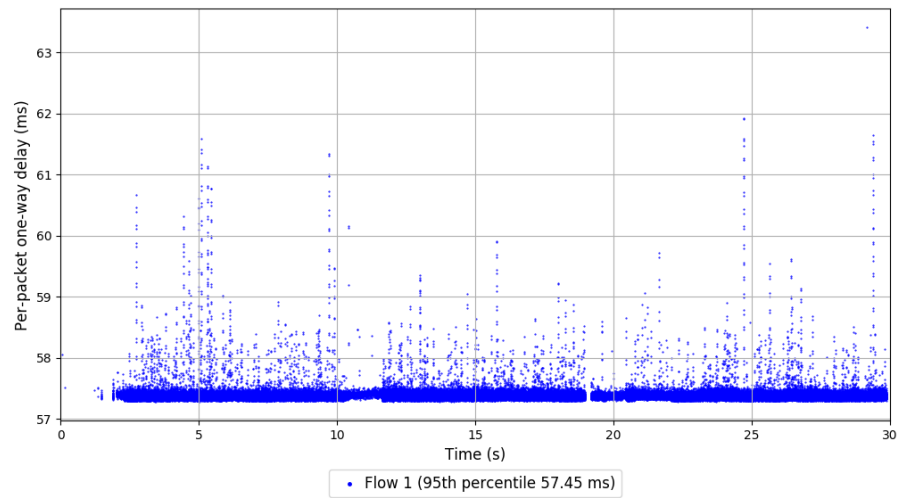
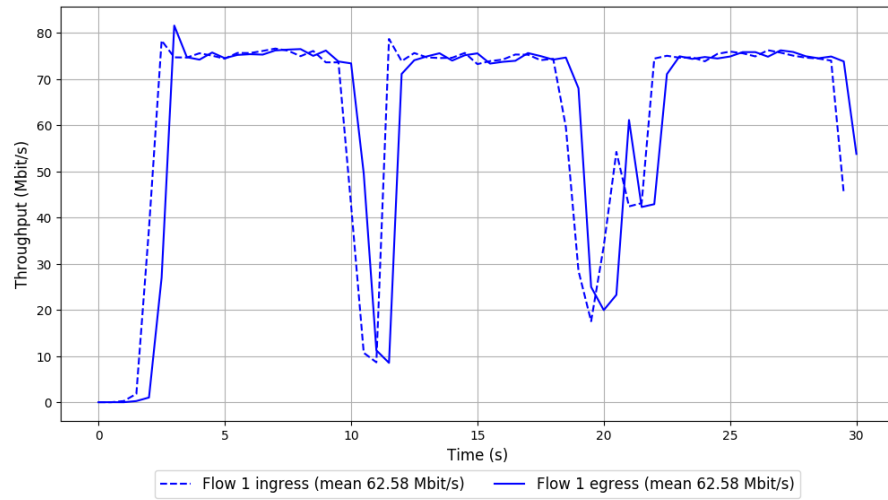


Run 5: Statistics of QUIC Cubic

Start at: 2020-02-18 23:56:57
End at: 2020-02-18 23:57:27
Local clock offset: -0.711 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2020-02-18 22:08:37

End at: 2020-02-18 22:09:07

Local clock offset: -0.125 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.738 ms

Loss rate: 0.00%

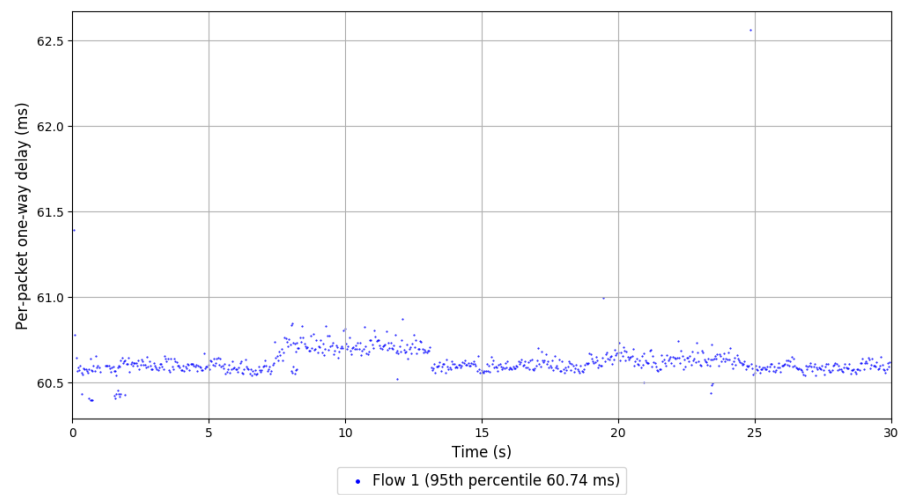
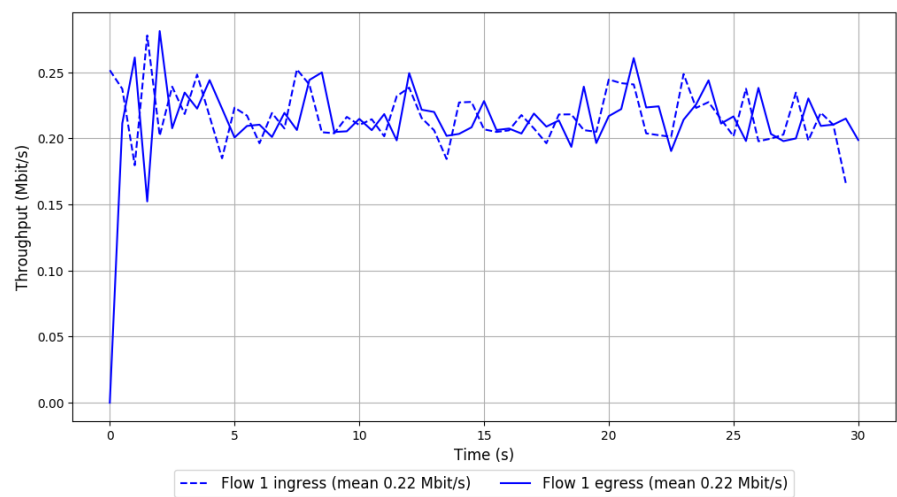
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.738 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

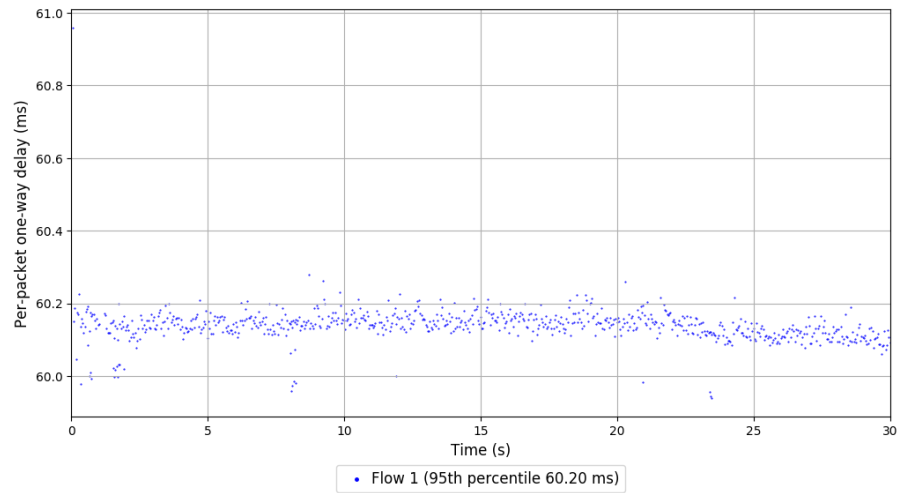
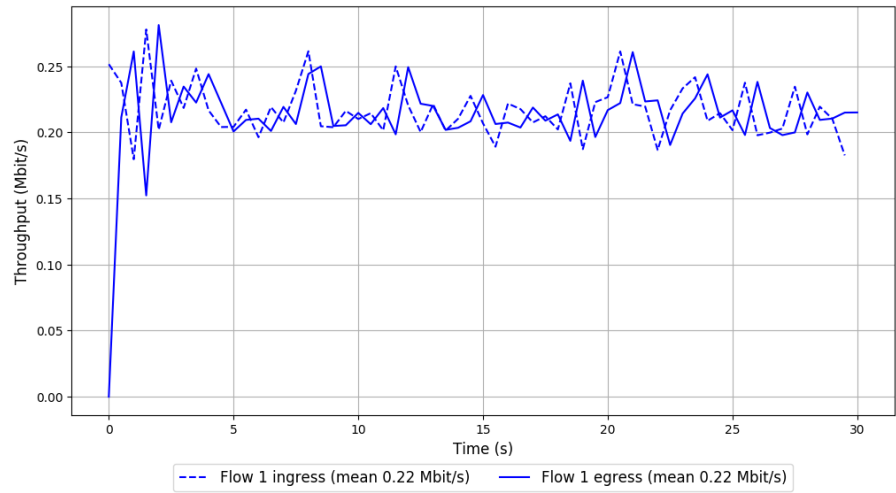


Run 2: Statistics of SCReAM

Start at: 2020-02-18 22:42:35
End at: 2020-02-18 22:43:05
Local clock offset: 0.155 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.195 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

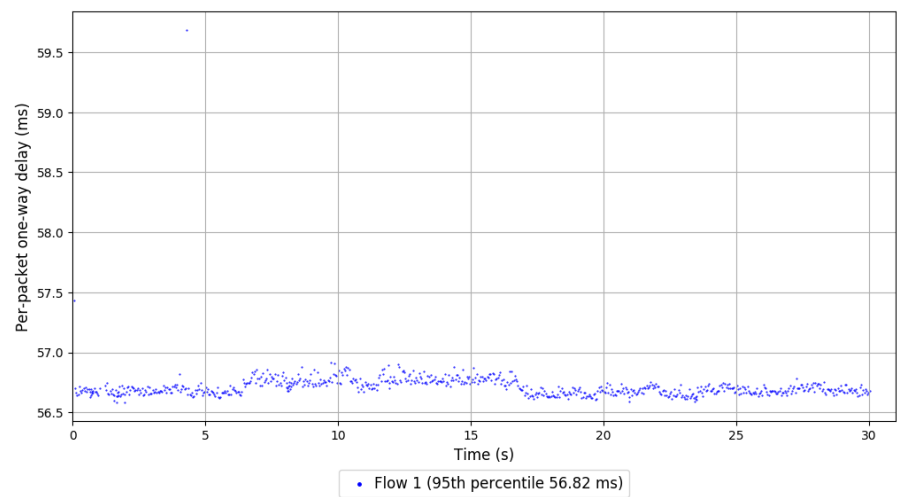
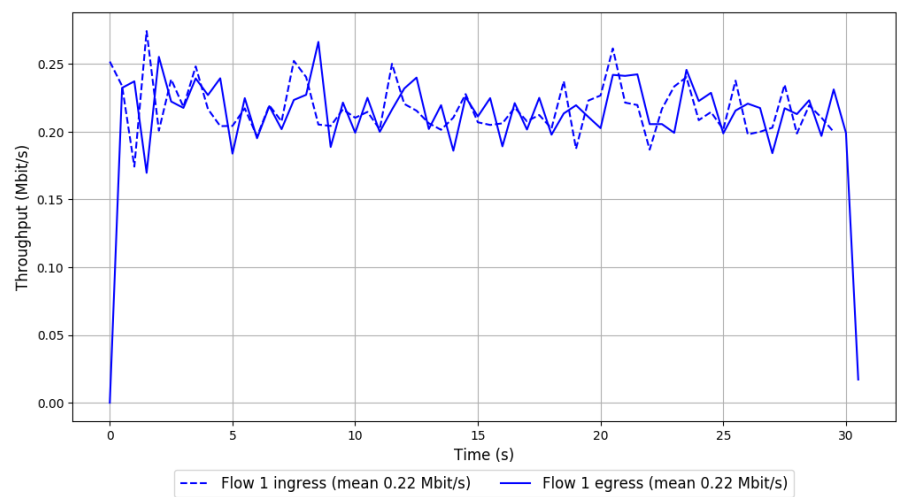


Run 3: Statistics of SCReAM

Start at: 2020-02-18 23:17:11
End at: 2020-02-18 23:17:41
Local clock offset: -0.659 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.822 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

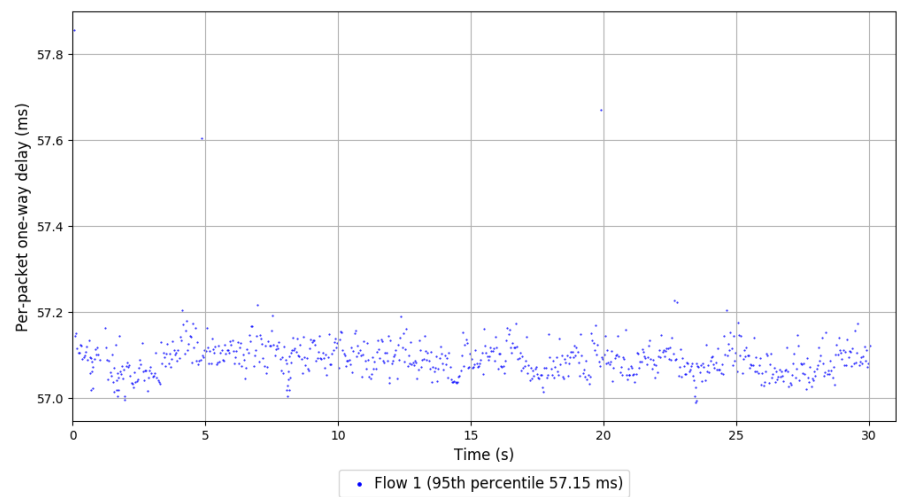
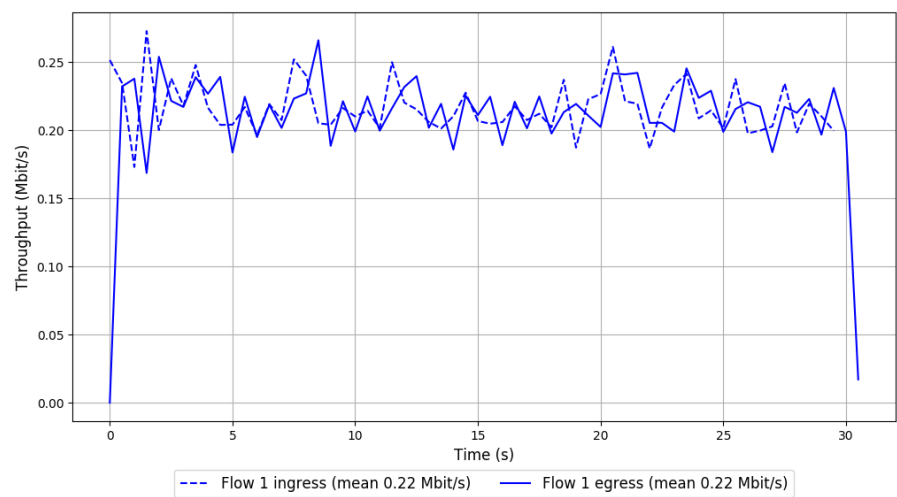


Run 4: Statistics of SCReAM

Start at: 2020-02-18 23:51:41
End at: 2020-02-18 23:52:11
Local clock offset: -0.373 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.151 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

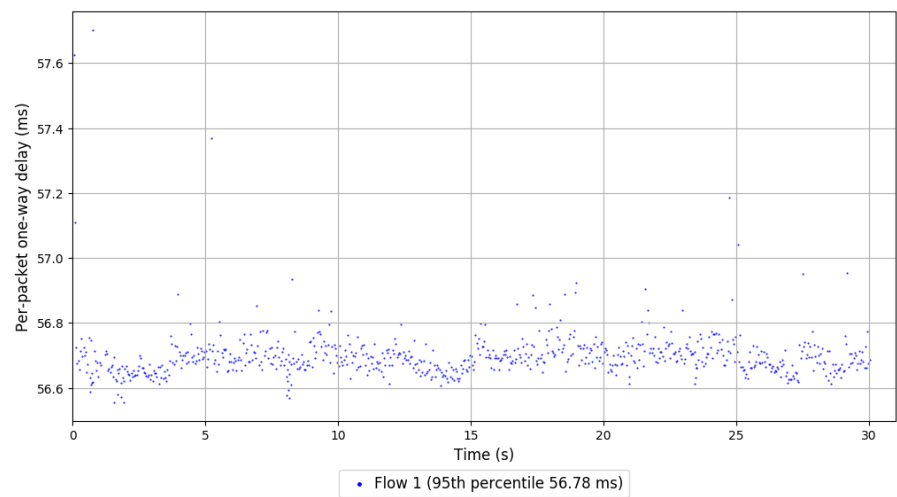
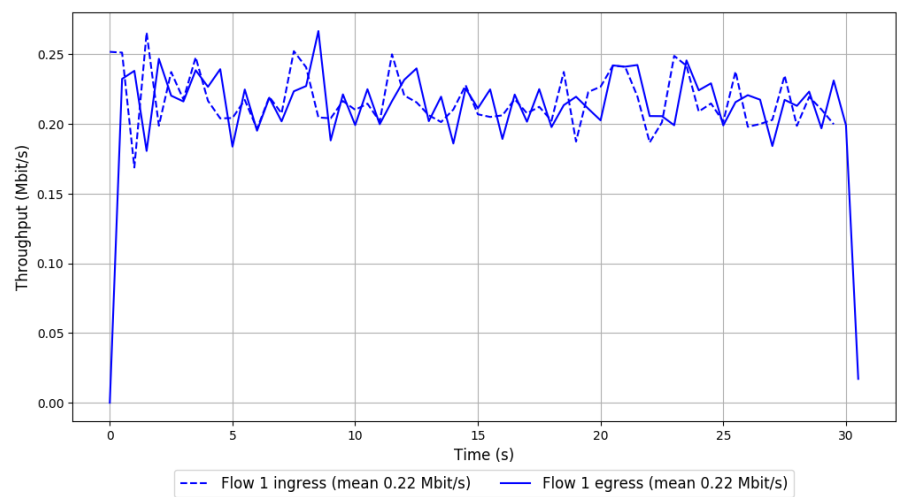


Run 5: Statistics of SCReAM

Start at: 2020-02-19 00:25:27
End at: 2020-02-19 00:25:57
Local clock offset: -0.789 ms
Remote clock offset: -0.739 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.778 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

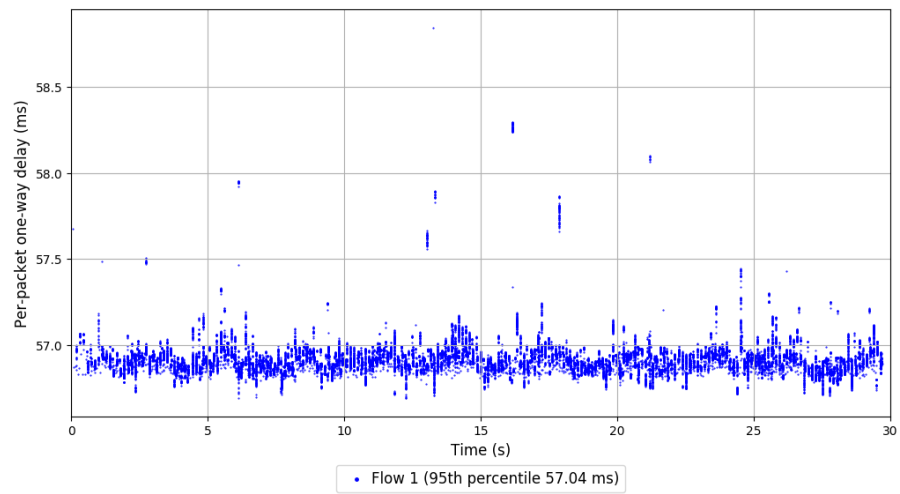
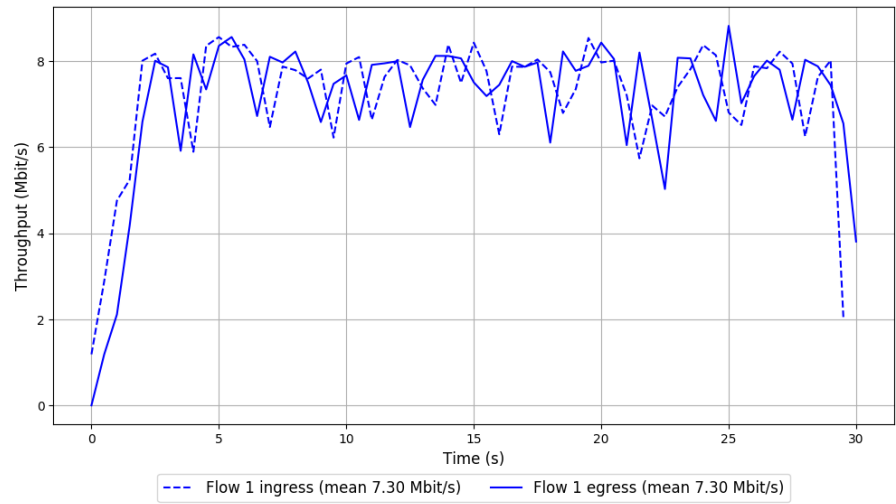


Run 1: Statistics of Sprout

Start at: 2020-02-18 21:37:27
End at: 2020-02-18 21:37:57
Local clock offset: -0.014 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2020-02-18 22:11:14

End at: 2020-02-18 22:11:44

Local clock offset: -0.116 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 57.487 ms

Loss rate: 0.00%

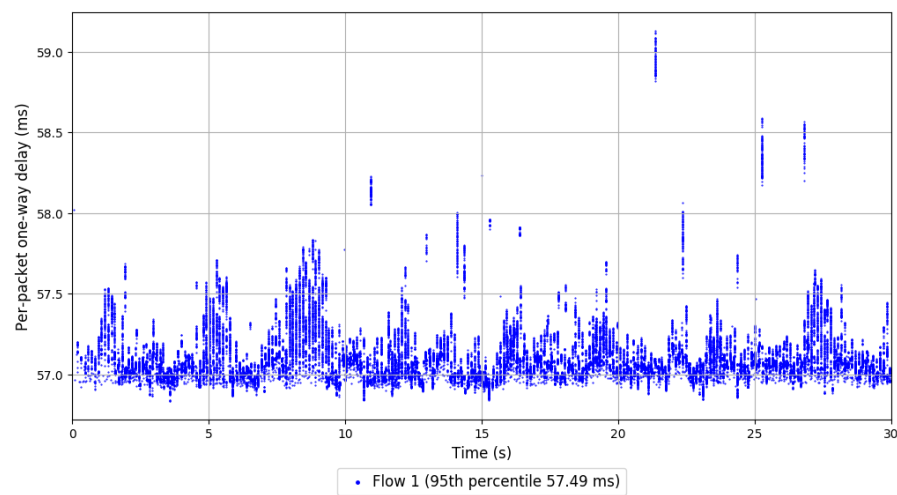
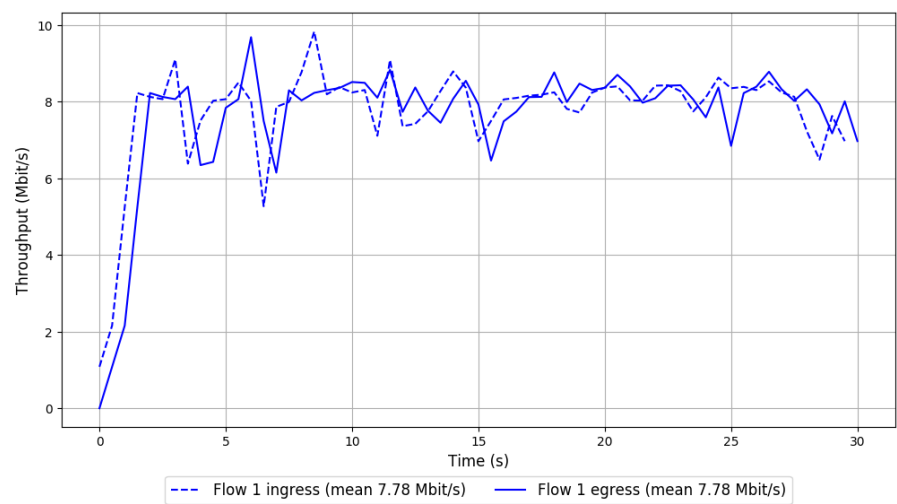
-- Flow 1:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 57.487 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

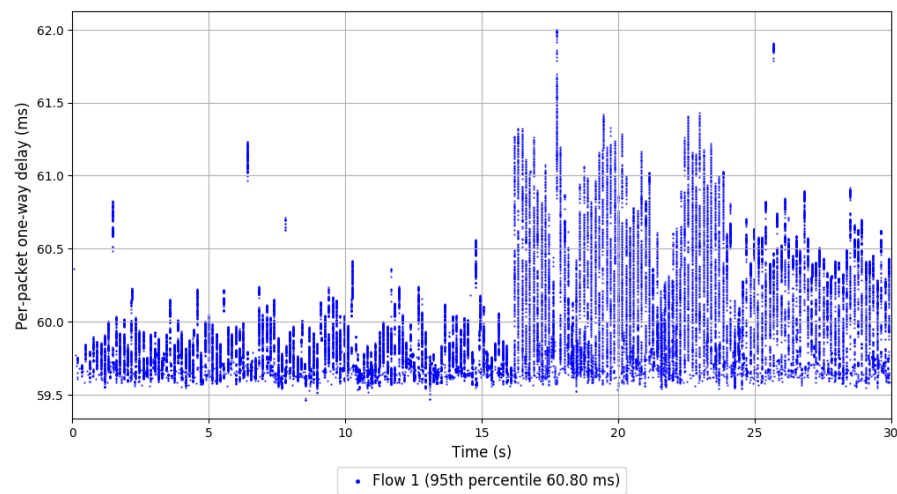
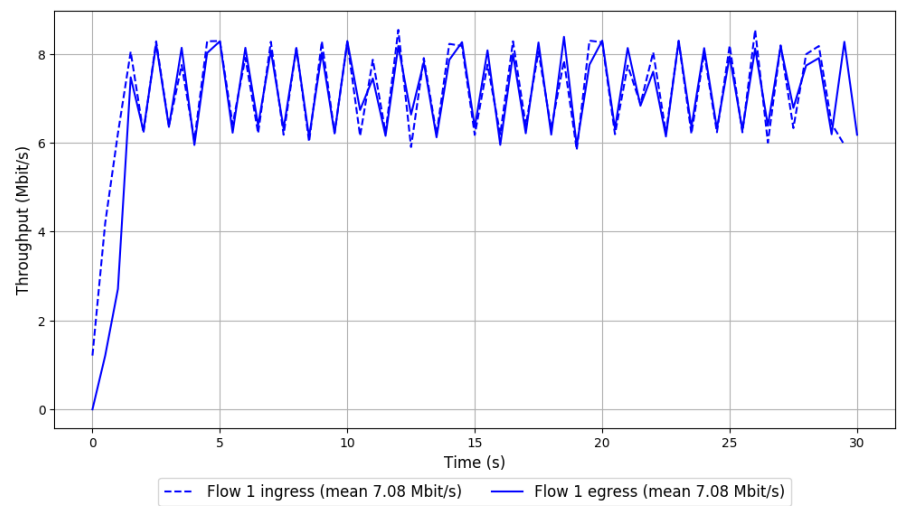


Run 3: Statistics of Sprout

Start at: 2020-02-18 22:45:15
End at: 2020-02-18 22:45:45
Local clock offset: -0.208 ms
Remote clock offset: -0.745 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 60.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 60.800 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-18 23:19:52

End at: 2020-02-18 23:20:22

Local clock offset: -0.631 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2020-02-19 02:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 57.965 ms

Loss rate: 0.00%

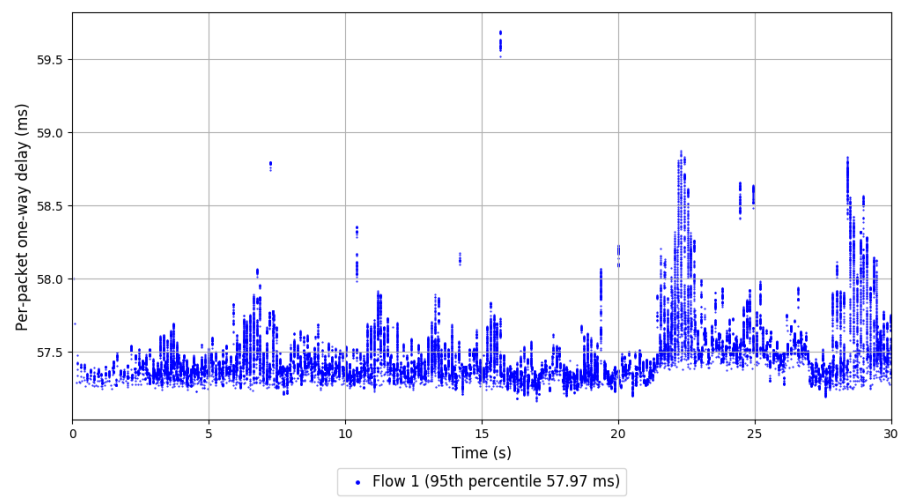
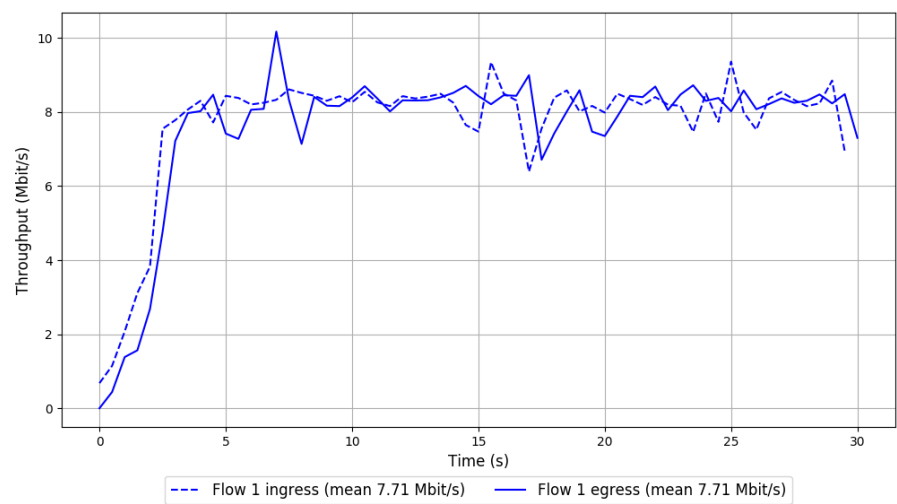
-- Flow 1:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 57.965 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

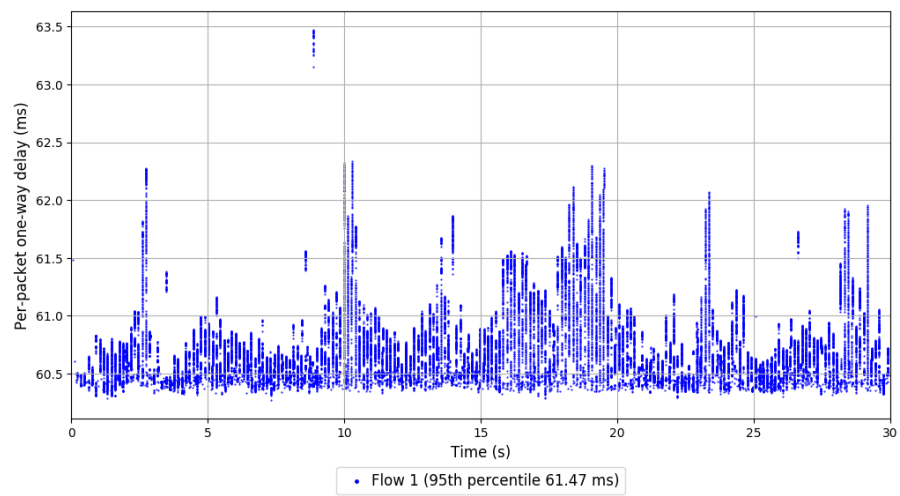
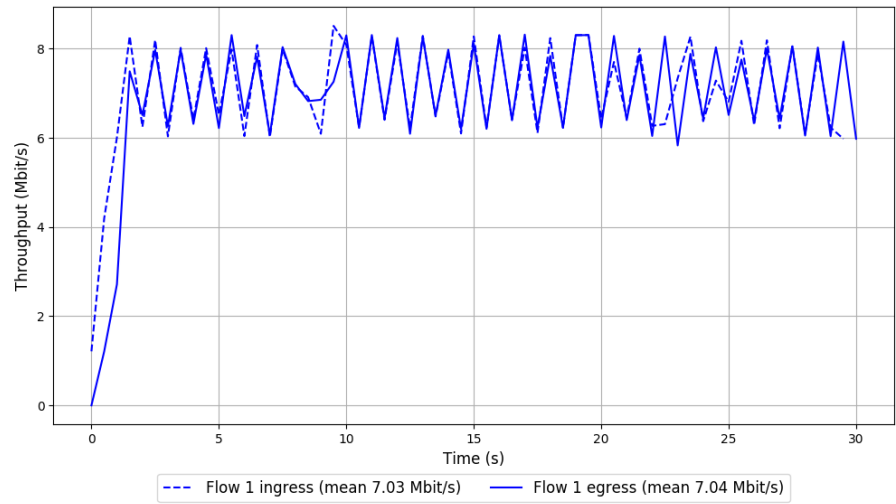


Run 5: Statistics of Sprout

Start at: 2020-02-18 23:54:18
End at: 2020-02-18 23:54:48
Local clock offset: -0.403 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2020-02-19 02:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2020-02-18 22:02:38

End at: 2020-02-18 22:03:08

Local clock offset: 0.181 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2020-02-19 02:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.88 Mbit/s

95th percentile per-packet one-way delay: 58.668 ms

Loss rate: 0.00%

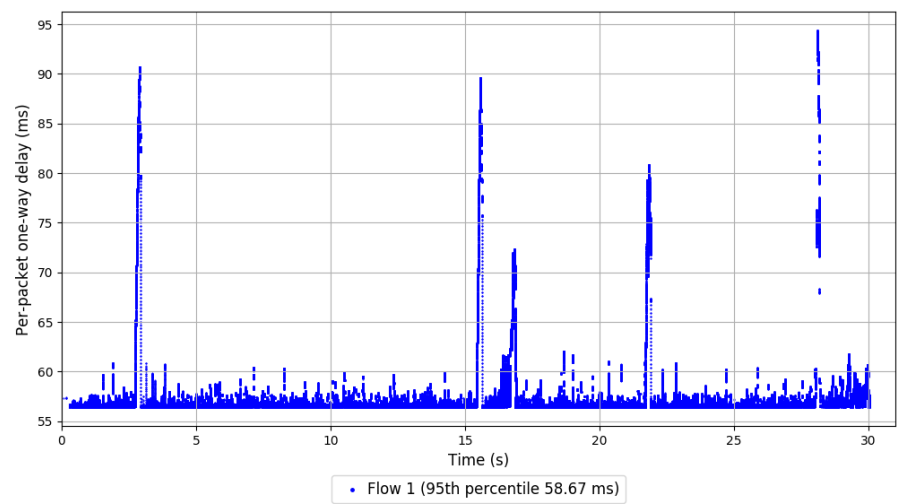
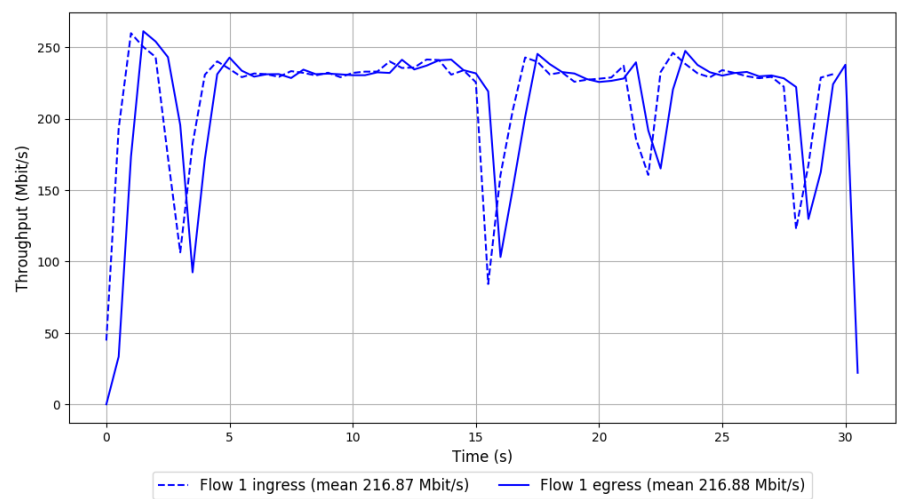
-- Flow 1:

Average throughput: 216.88 Mbit/s

95th percentile per-packet one-way delay: 58.668 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2020-02-18 22:36:30

End at: 2020-02-18 22:37:00

Local clock offset: 0.142 ms

Remote clock offset: 0.533 ms

Below is generated by plot.py at 2020-02-19 02:49:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.08 Mbit/s

95th percentile per-packet one-way delay: 60.263 ms

Loss rate: 0.00%

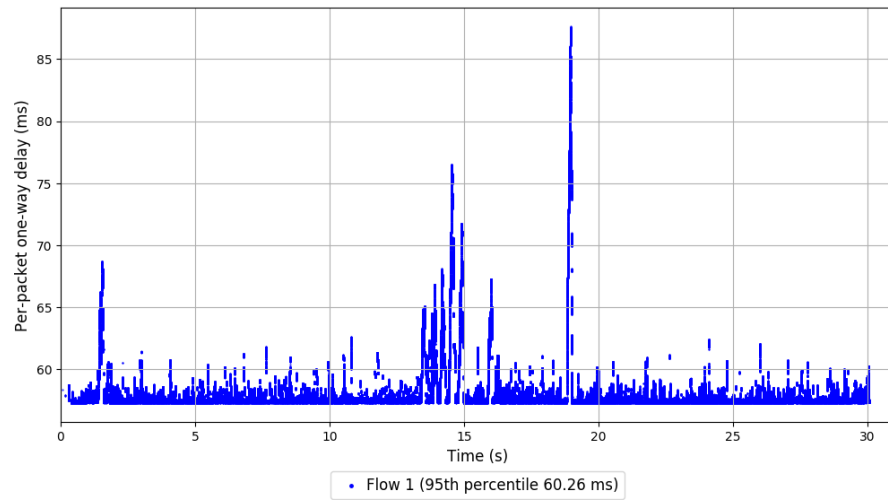
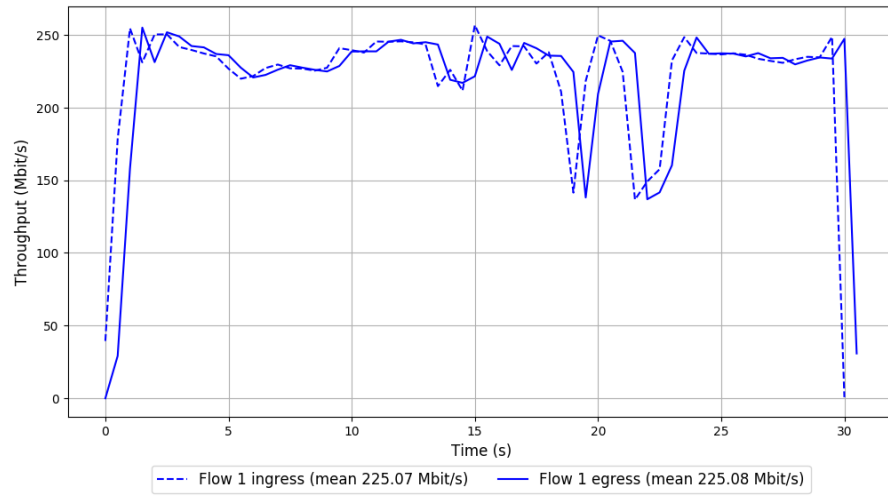
-- Flow 1:

Average throughput: 225.08 Mbit/s

95th percentile per-packet one-way delay: 60.263 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2020-02-18 23:11:08

End at: 2020-02-18 23:11:38

Local clock offset: 0.071 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2020-02-19 02:49:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.01 Mbit/s

95th percentile per-packet one-way delay: 64.959 ms

Loss rate: 0.01%

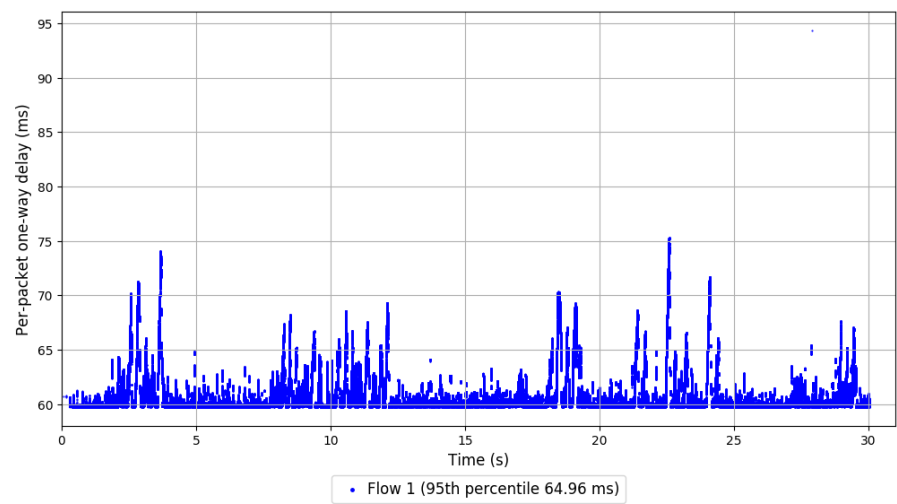
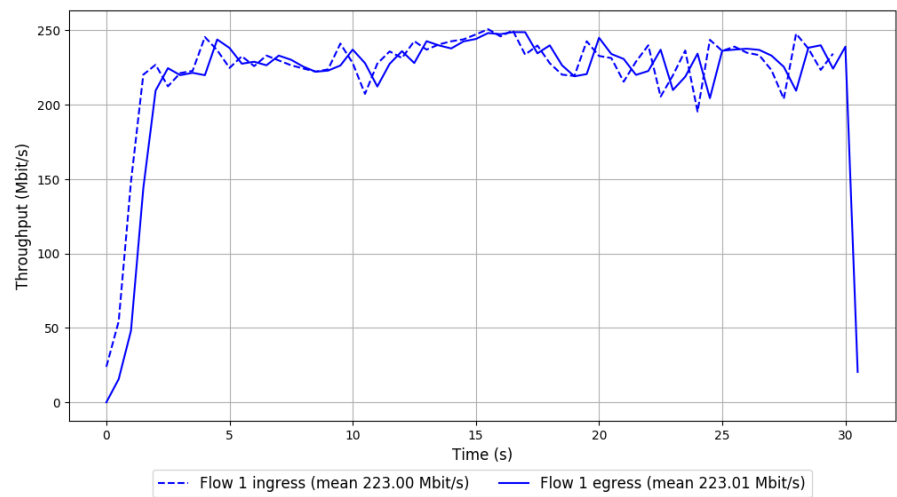
-- Flow 1:

Average throughput: 223.01 Mbit/s

95th percentile per-packet one-way delay: 64.959 ms

Loss rate: 0.01%

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

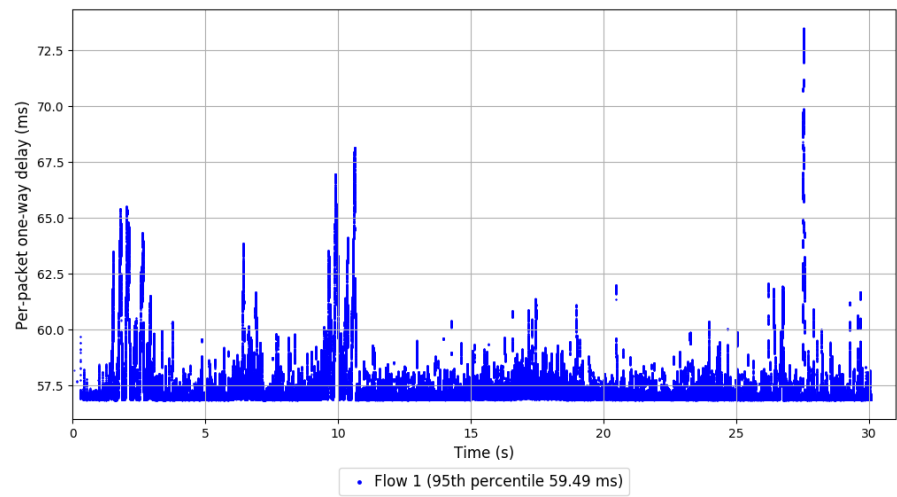
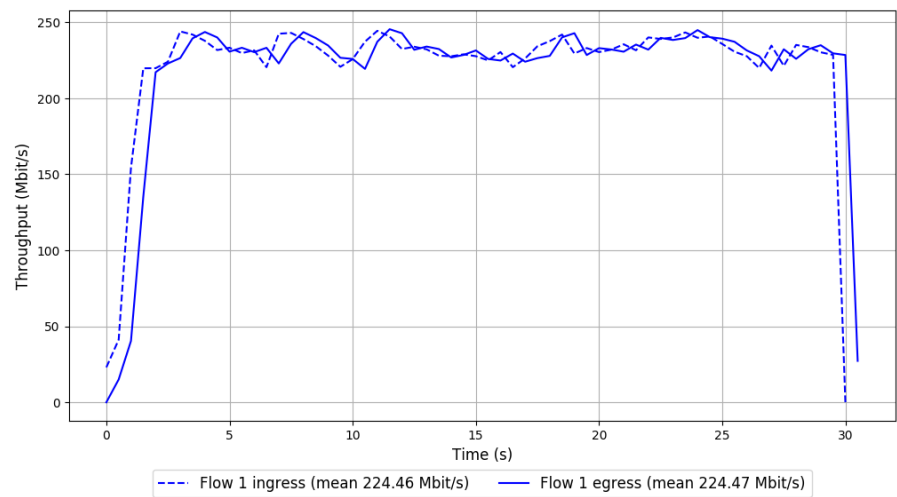


Run 4: Statistics of TaoVA-100x

Start at: 2020-02-18 23:45:49
End at: 2020-02-18 23:46:19
Local clock offset: -0.689 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2020-02-19 02:49:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.47 Mbit/s
95th percentile per-packet one-way delay: 59.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.47 Mbit/s
95th percentile per-packet one-way delay: 59.488 ms
Loss rate: 0.00%

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

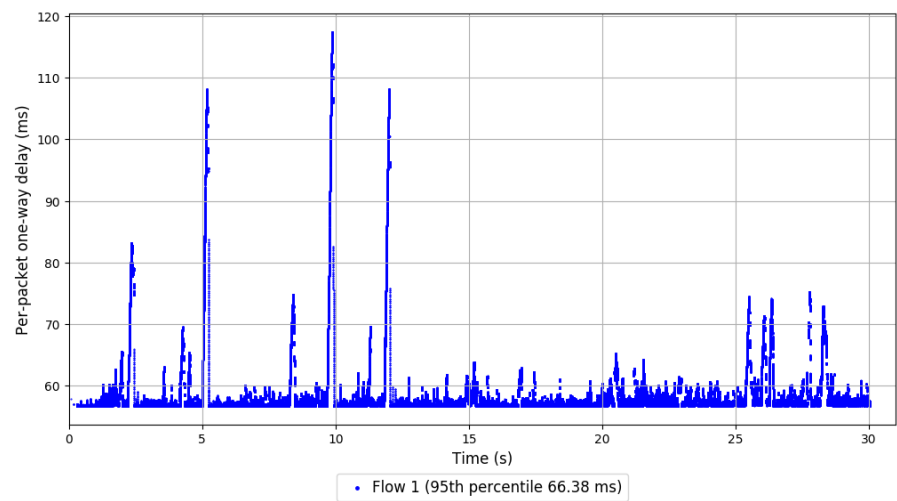
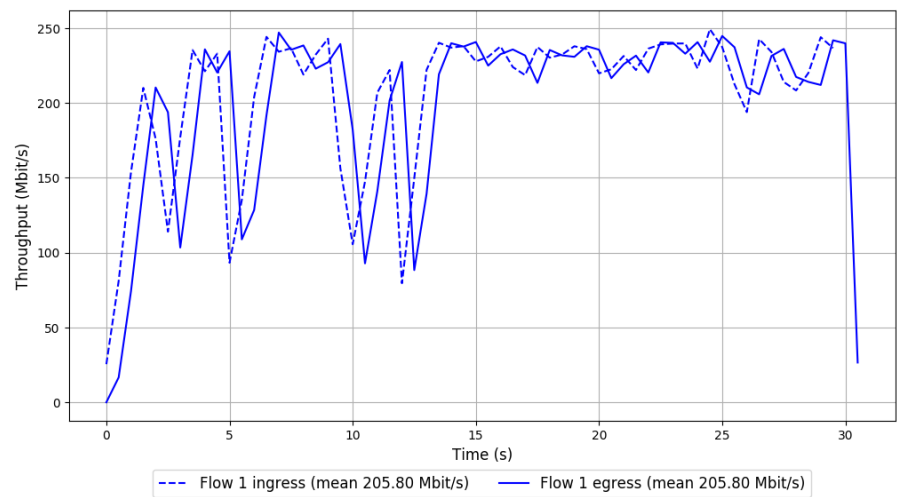


Run 5: Statistics of TaoVA-100x

Start at: 2020-02-19 00:19:30
End at: 2020-02-19 00:20:00
Local clock offset: -0.438 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2020-02-19 02:49:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.80 Mbit/s
95th percentile per-packet one-way delay: 66.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.80 Mbit/s
95th percentile per-packet one-way delay: 66.384 ms
Loss rate: 0.00%

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

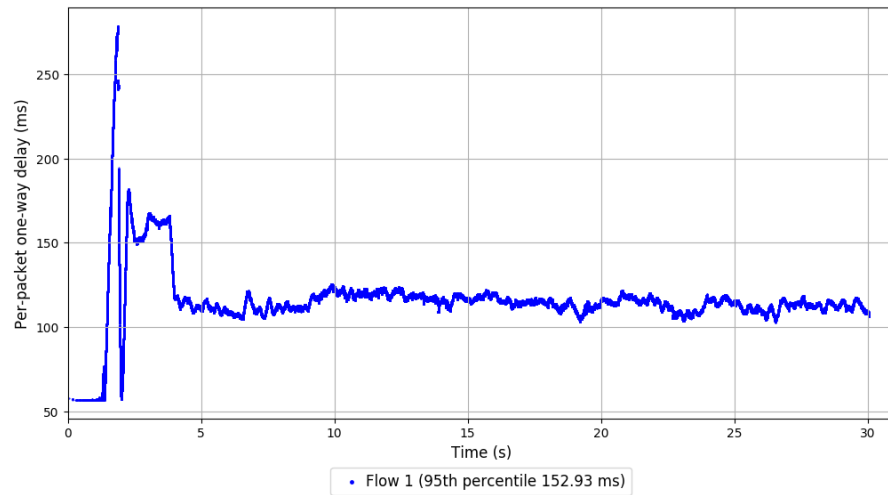
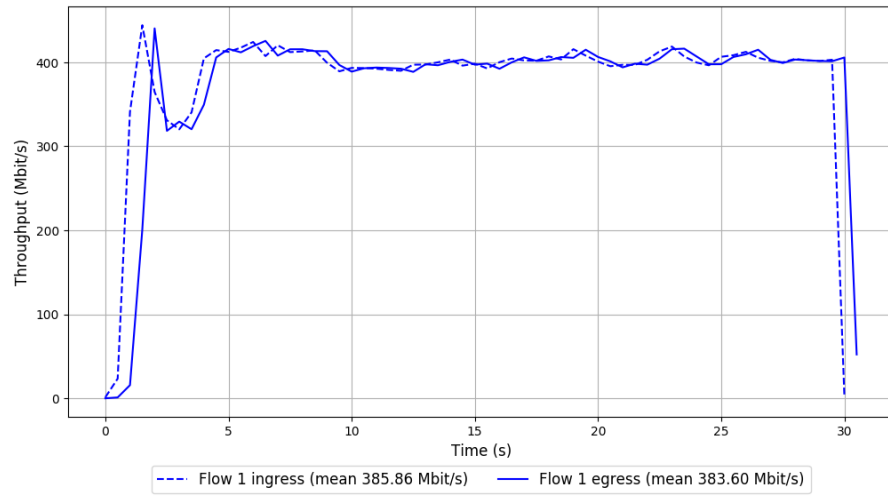


Run 1: Statistics of TCP Vegas

Start at: 2020-02-18 21:47:12
End at: 2020-02-18 21:47:42
Local clock offset: -0.095 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2020-02-19 02:49:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.60 Mbit/s
95th percentile per-packet one-way delay: 152.925 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 383.60 Mbit/s
95th percentile per-packet one-way delay: 152.925 ms
Loss rate: 0.59%

Run 1: Report of TCP Vegas — Data Link

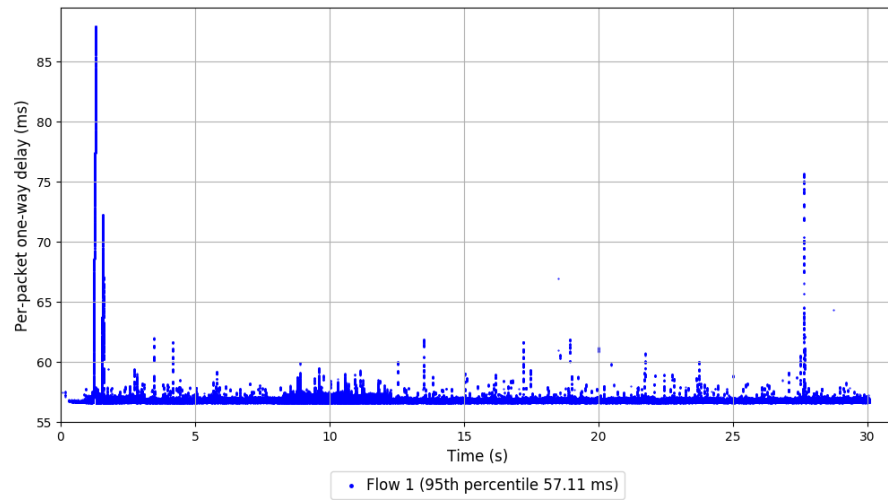
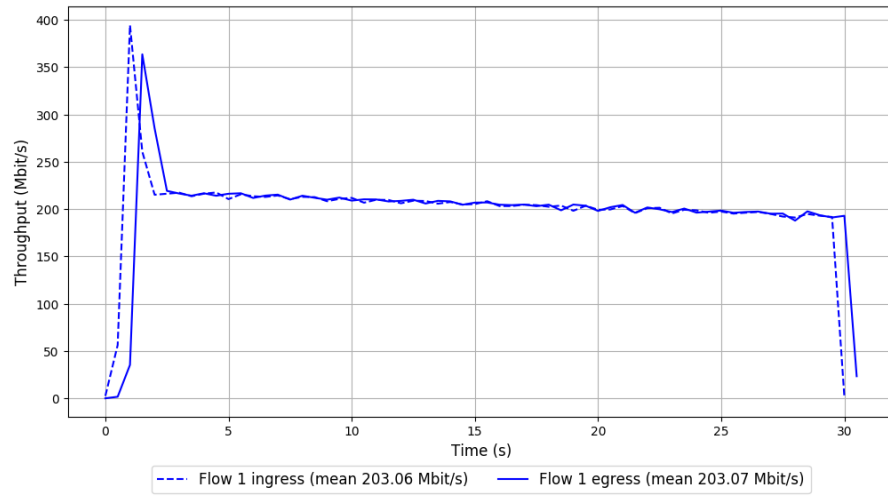


Run 2: Statistics of TCP Vegas

Start at: 2020-02-18 22:21:03
End at: 2020-02-18 22:21:33
Local clock offset: -0.148 ms
Remote clock offset: -0.373 ms

Below is generated by plot.py at 2020-02-19 02:49:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.07 Mbit/s
95th percentile per-packet one-way delay: 57.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.07 Mbit/s
95th percentile per-packet one-way delay: 57.106 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2020-02-18 22:55:17

End at: 2020-02-18 22:55:47

Local clock offset: -0.253 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2020-02-19 02:55:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.18 Mbit/s

95th percentile per-packet one-way delay: 112.529 ms

Loss rate: 0.24%

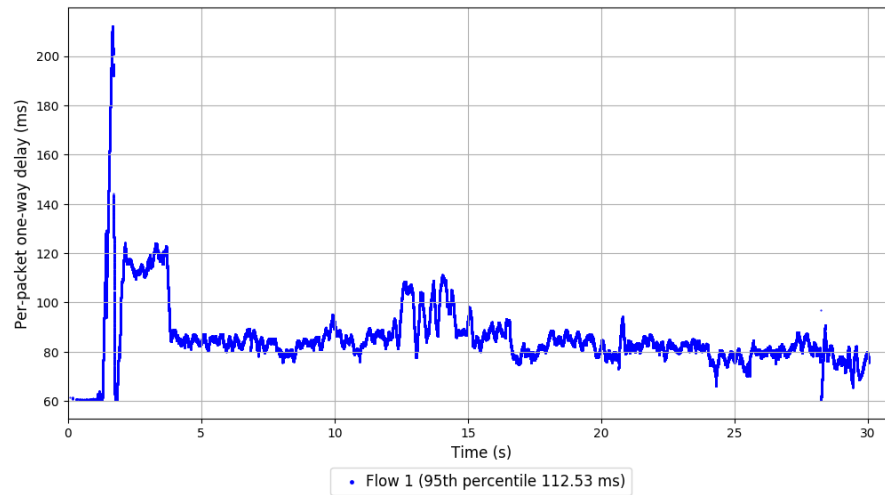
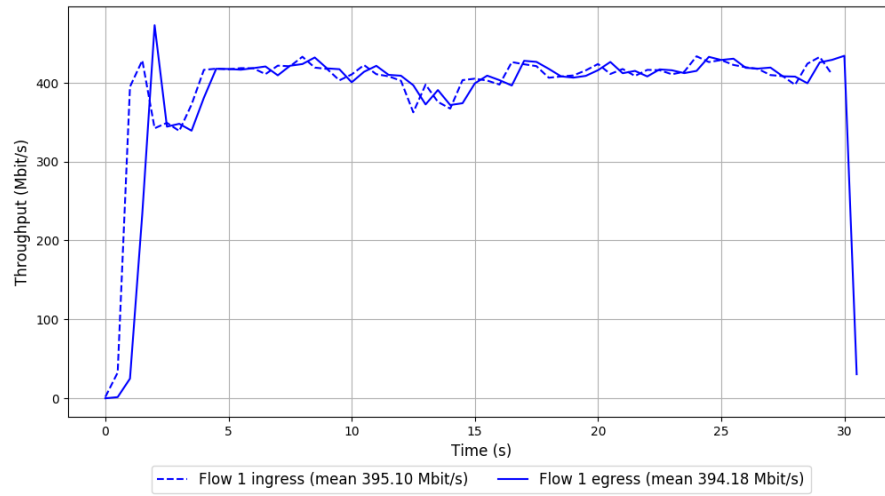
-- Flow 1:

Average throughput: 394.18 Mbit/s

95th percentile per-packet one-way delay: 112.529 ms

Loss rate: 0.24%

Run 3: Report of TCP Vegas — Data Link

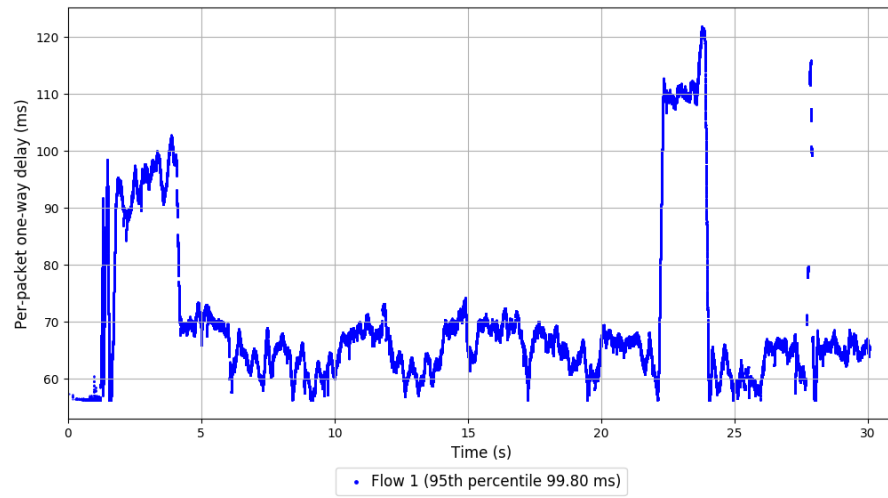
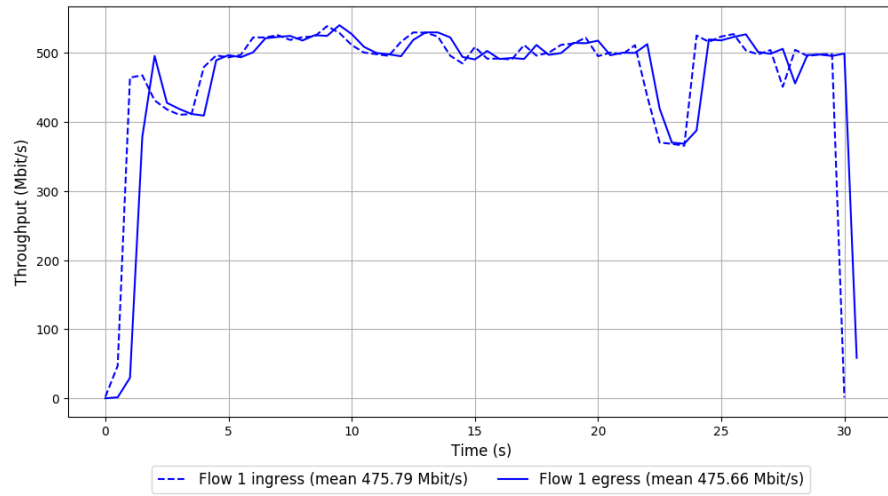


Run 4: Statistics of TCP Vegas

Start at: 2020-02-18 23:29:54
End at: 2020-02-18 23:30:25
Local clock offset: 0.042 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2020-02-19 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 475.66 Mbit/s
95th percentile per-packet one-way delay: 99.802 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 475.66 Mbit/s
95th percentile per-packet one-way delay: 99.802 ms
Loss rate: 0.03%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-19 00:04:11

End at: 2020-02-19 00:04:41

Local clock offset: -0.395 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2020-02-19 02:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.45 Mbit/s

95th percentile per-packet one-way delay: 60.614 ms

Loss rate: 0.01%

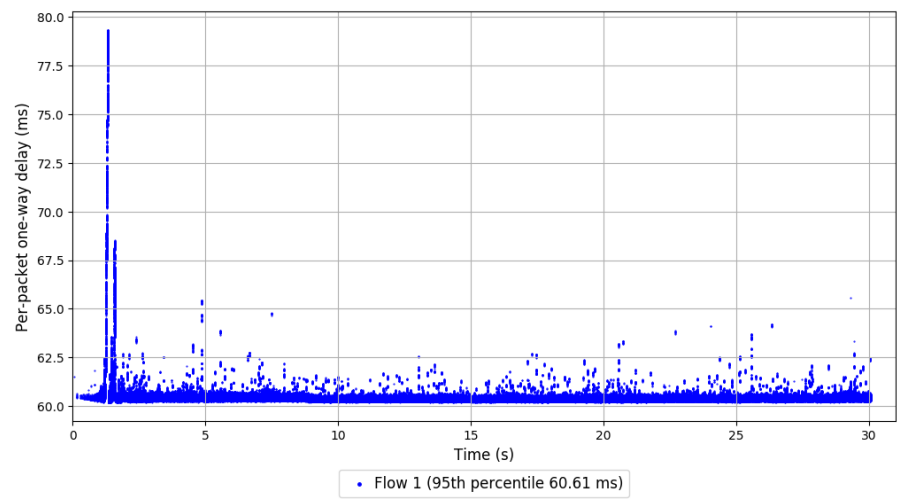
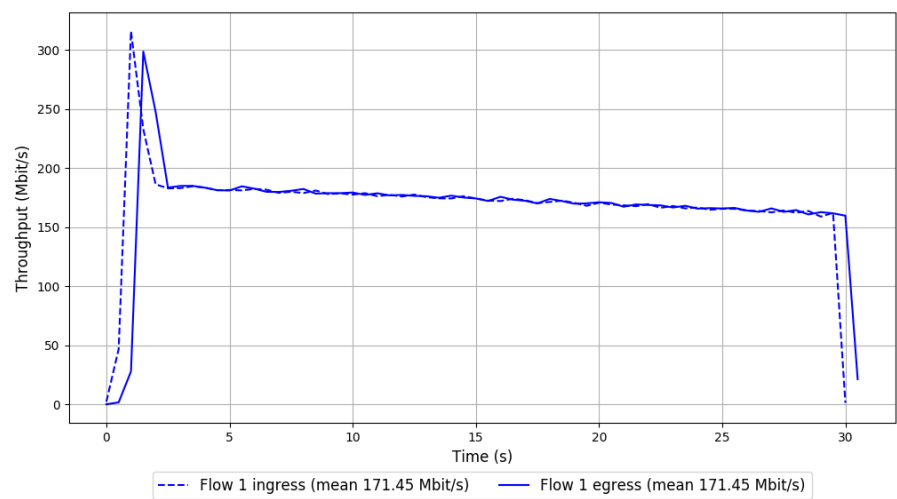
-- Flow 1:

Average throughput: 171.45 Mbit/s

95th percentile per-packet one-way delay: 60.614 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

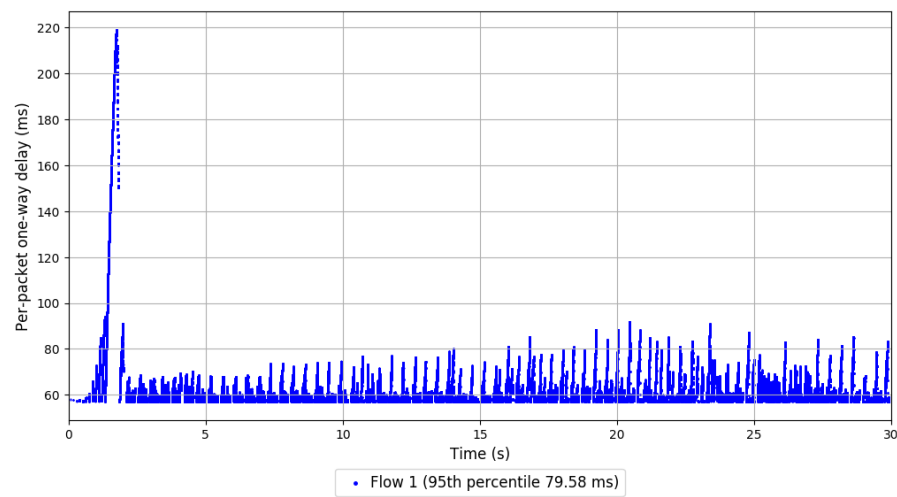
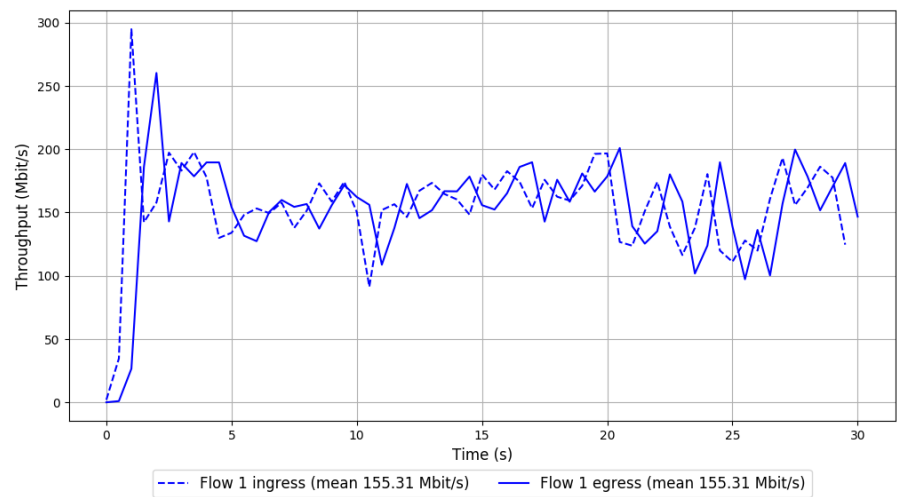


Run 1: Statistics of Verus

Start at: 2020-02-18 21:51:24
End at: 2020-02-18 21:51:54
Local clock offset: -0.093 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2020-02-19 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.31 Mbit/s
95th percentile per-packet one-way delay: 79.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.31 Mbit/s
95th percentile per-packet one-way delay: 79.584 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2020-02-18 22:25:22

End at: 2020-02-18 22:25:52

Local clock offset: -0.181 ms

Remote clock offset: 0.819 ms

Below is generated by plot.py at 2020-02-19 02:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.21 Mbit/s

95th percentile per-packet one-way delay: 124.909 ms

Loss rate: 0.04%

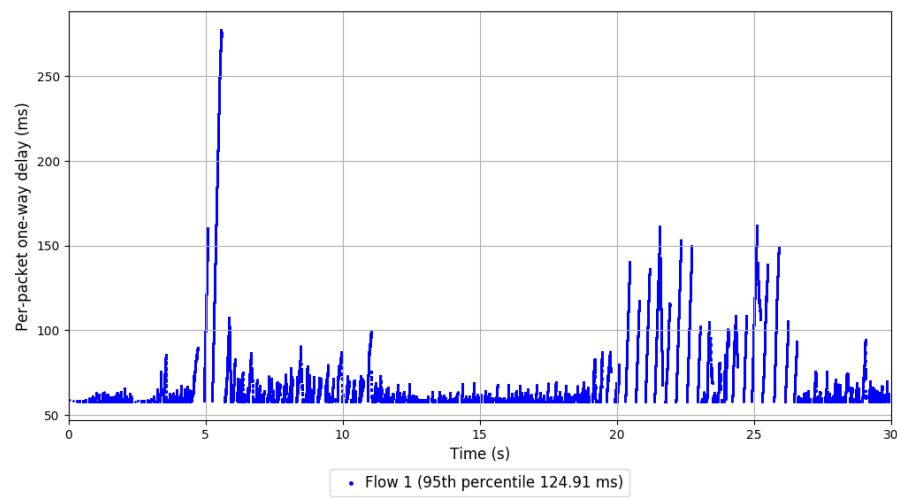
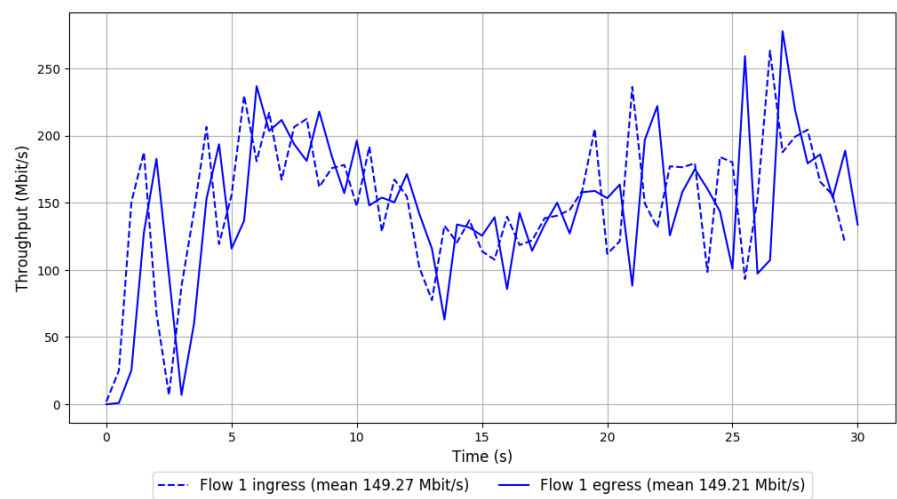
-- Flow 1:

Average throughput: 149.21 Mbit/s

95th percentile per-packet one-way delay: 124.909 ms

Loss rate: 0.04%

Run 2: Report of Verus — Data Link

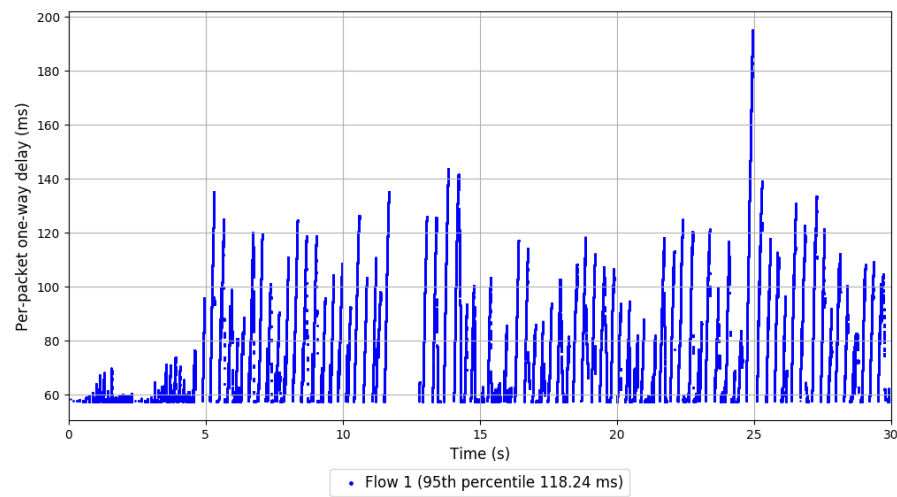
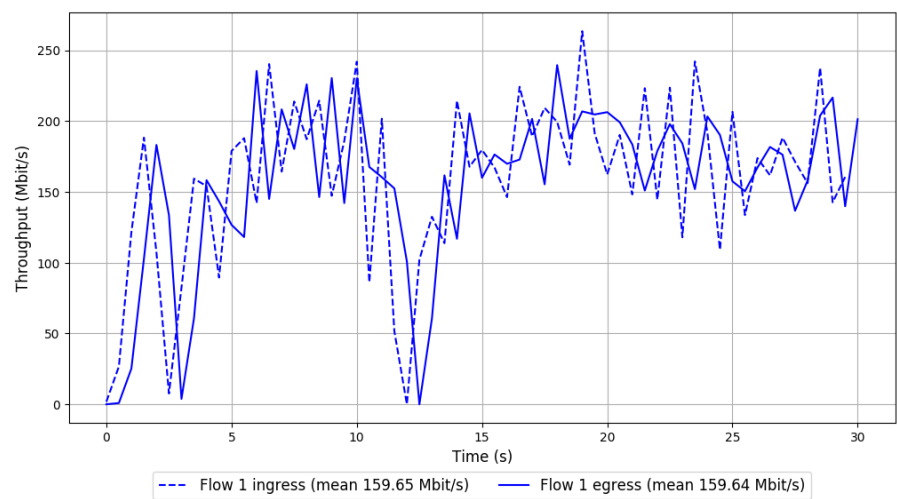


Run 3: Statistics of Verus

Start at: 2020-02-18 22:59:44
End at: 2020-02-18 23:00:14
Local clock offset: -0.605 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2020-02-19 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.64 Mbit/s
95th percentile per-packet one-way delay: 118.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.64 Mbit/s
95th percentile per-packet one-way delay: 118.243 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

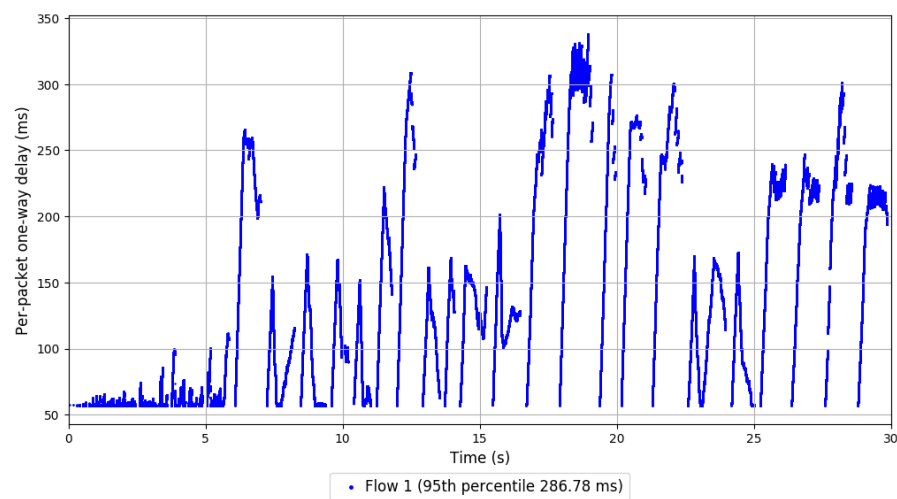
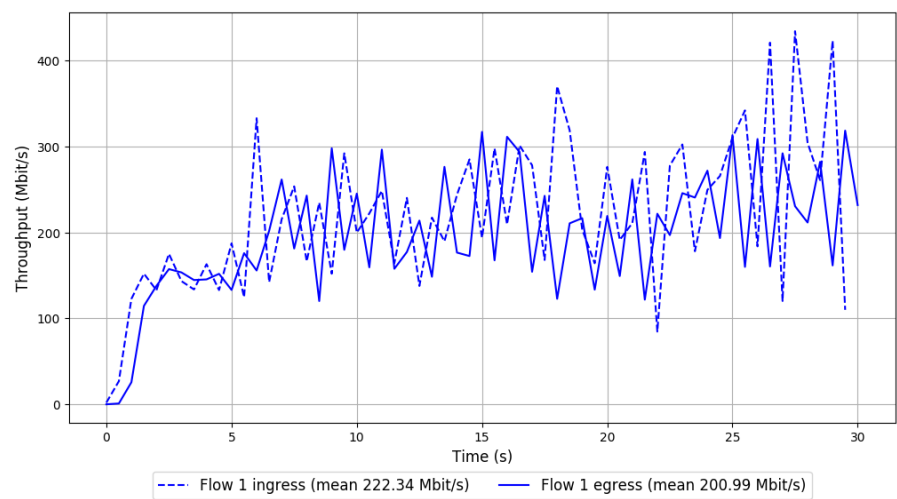


Run 4: Statistics of Verus

Start at: 2020-02-18 23:34:27
End at: 2020-02-18 23:34:57
Local clock offset: -0.681 ms
Remote clock offset: -0.708 ms

Below is generated by plot.py at 2020-02-19 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.99 Mbit/s
95th percentile per-packet one-way delay: 286.777 ms
Loss rate: 9.18%
-- Flow 1:
Average throughput: 200.99 Mbit/s
95th percentile per-packet one-way delay: 286.777 ms
Loss rate: 9.18%

Run 4: Report of Verus — Data Link

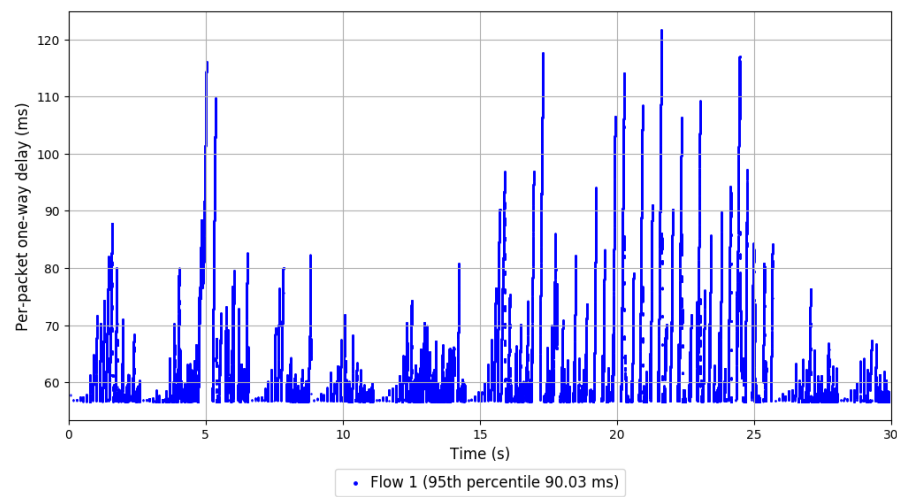
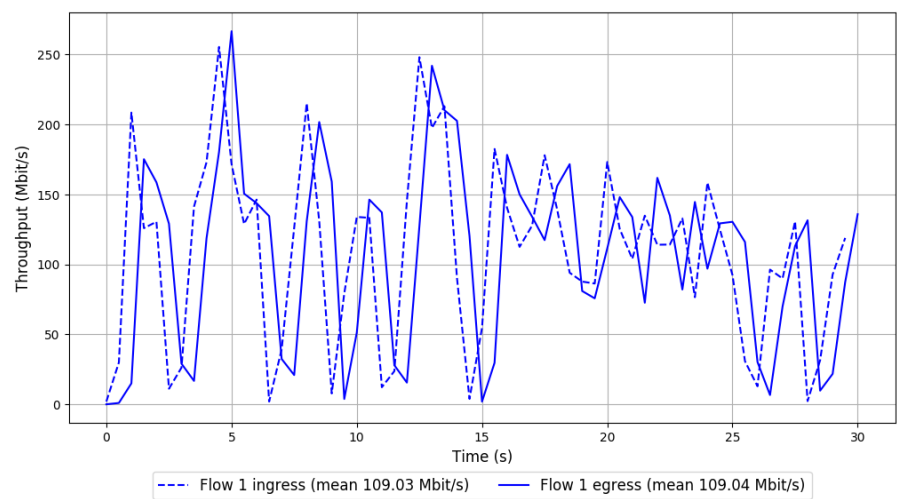


Run 5: Statistics of Verus

Start at: 2020-02-19 00:08:22
End at: 2020-02-19 00:08:52
Local clock offset: -0.026 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2020-02-19 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.04 Mbit/s
95th percentile per-packet one-way delay: 90.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.04 Mbit/s
95th percentile per-packet one-way delay: 90.035 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

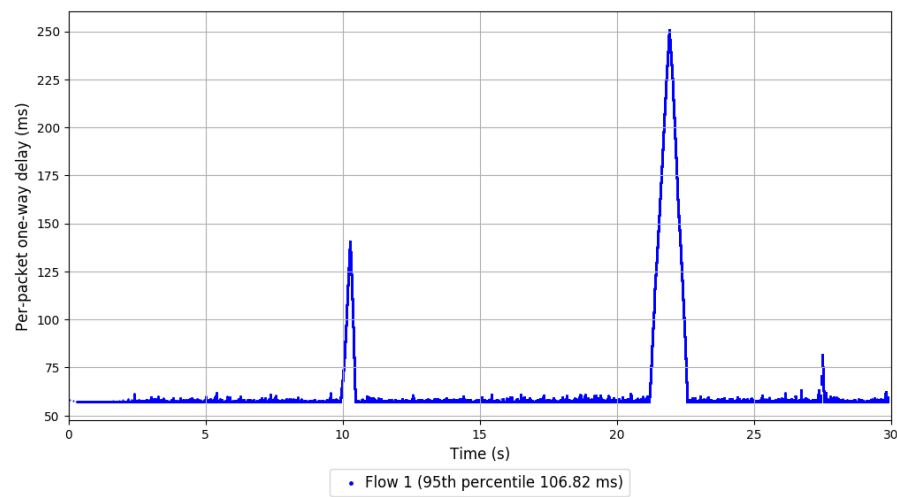
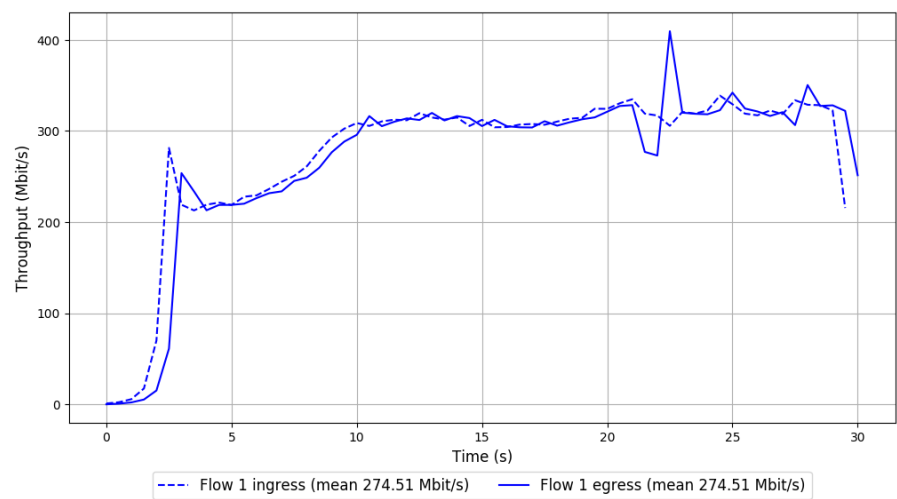


Run 1: Statistics of PCC-Vivace

Start at: 2020-02-18 22:07:09
End at: 2020-02-18 22:07:39
Local clock offset: -0.484 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2020-02-19 02:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.51 Mbit/s
95th percentile per-packet one-way delay: 106.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 274.51 Mbit/s
95th percentile per-packet one-way delay: 106.816 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2020-02-18 22:41:05

End at: 2020-02-18 22:41:35

Local clock offset: -0.23 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2020-02-19 03:00:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.14 Mbit/s

95th percentile per-packet one-way delay: 124.846 ms

Loss rate: 0.00%

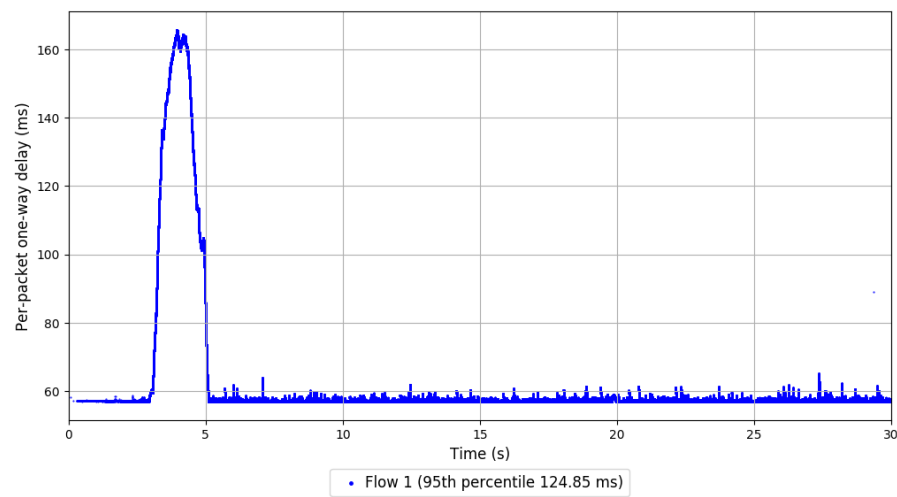
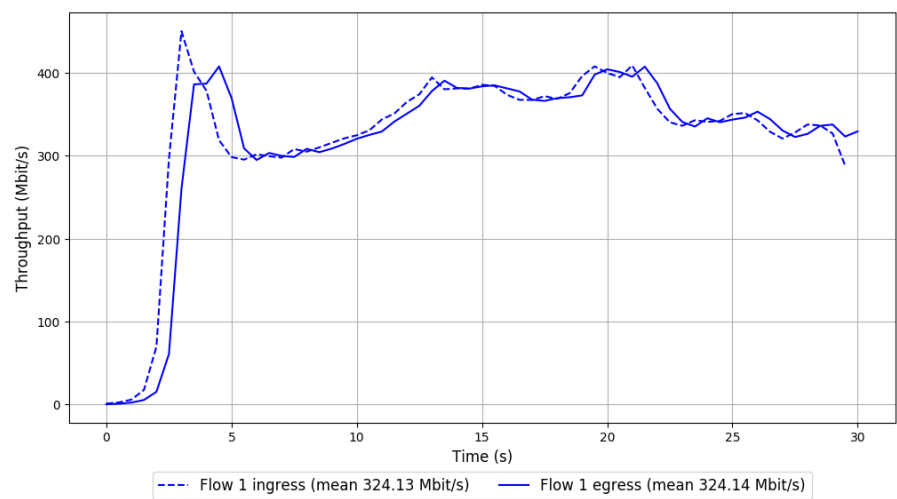
-- Flow 1:

Average throughput: 324.14 Mbit/s

95th percentile per-packet one-way delay: 124.846 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

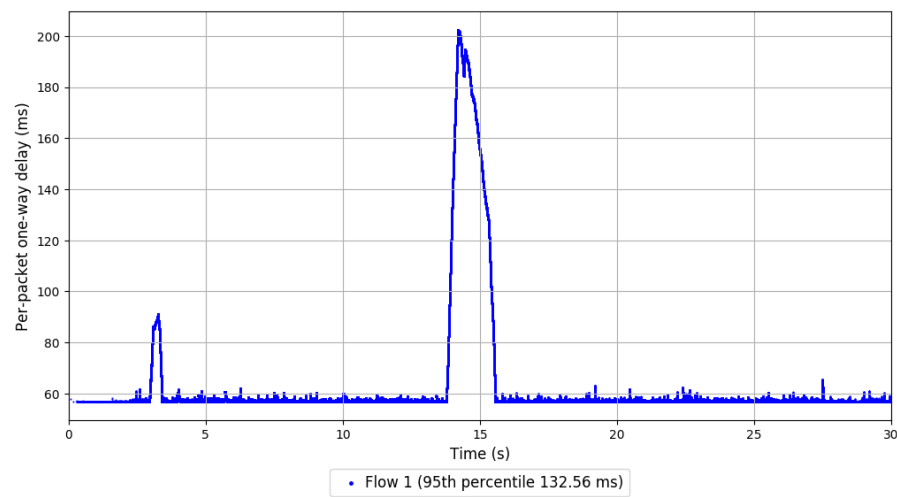
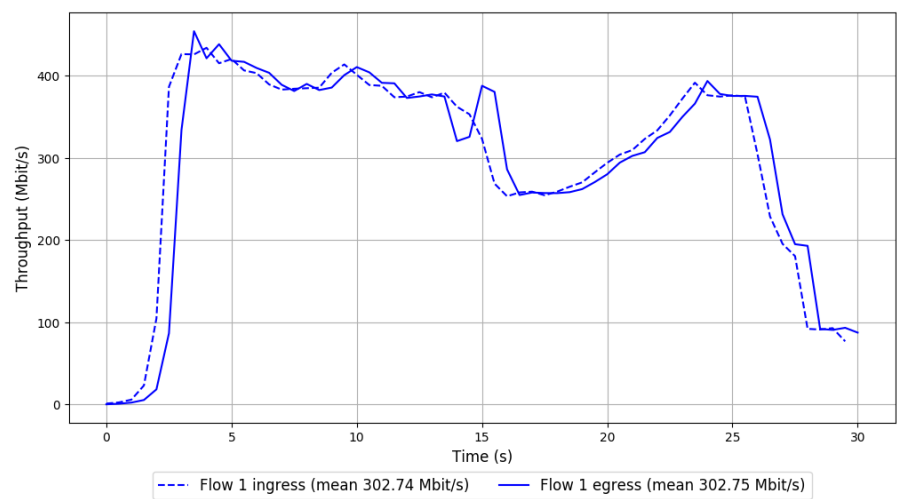


Run 3: Statistics of PCC-Vivace

Start at: 2020-02-18 23:15:42
End at: 2020-02-18 23:16:12
Local clock offset: -0.296 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2020-02-19 03:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.75 Mbit/s
95th percentile per-packet one-way delay: 132.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 302.75 Mbit/s
95th percentile per-packet one-way delay: 132.555 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

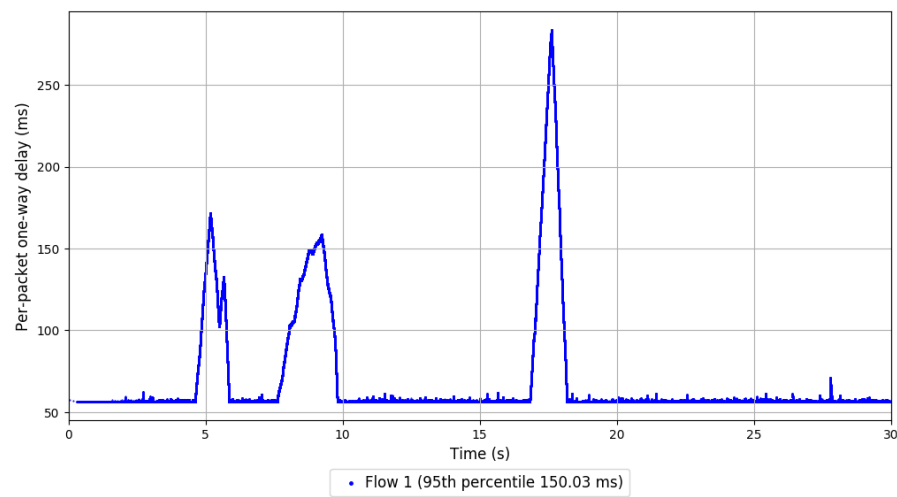
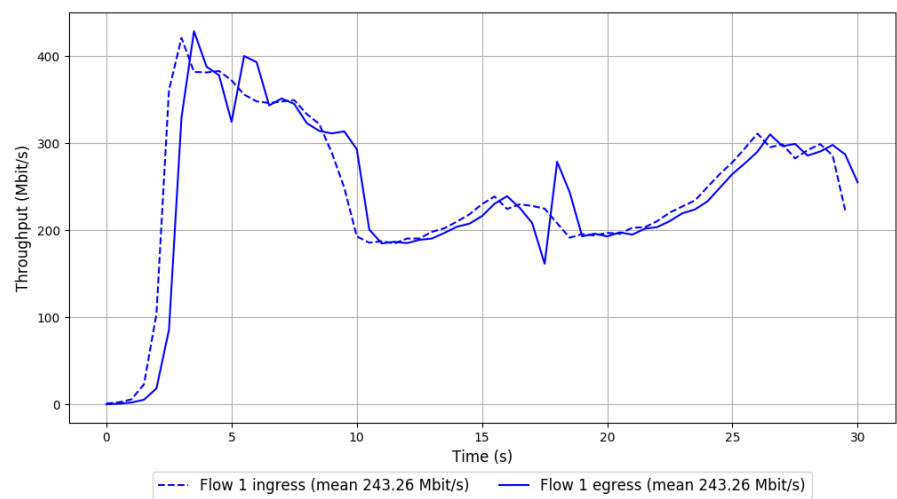


Run 4: Statistics of PCC-Vivace

Start at: 2020-02-18 23:50:16
End at: 2020-02-18 23:50:46
Local clock offset: -0.391 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2020-02-19 03:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.26 Mbit/s
95th percentile per-packet one-way delay: 150.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.26 Mbit/s
95th percentile per-packet one-way delay: 150.034 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

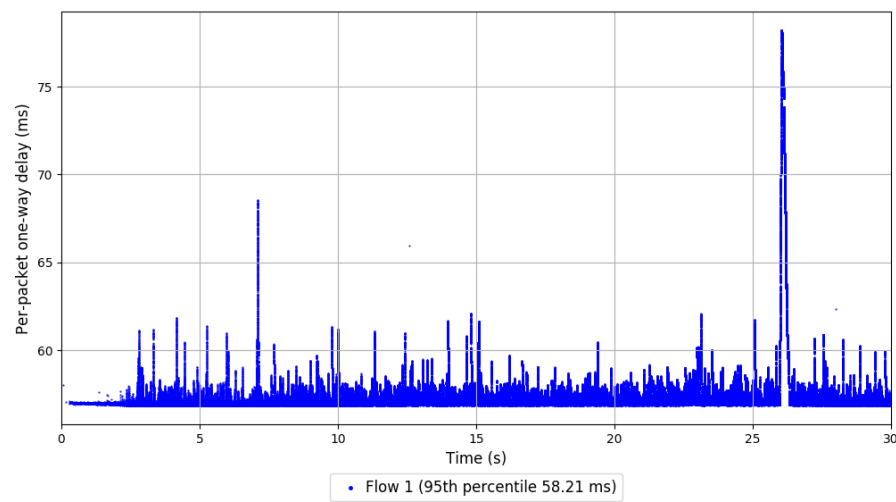
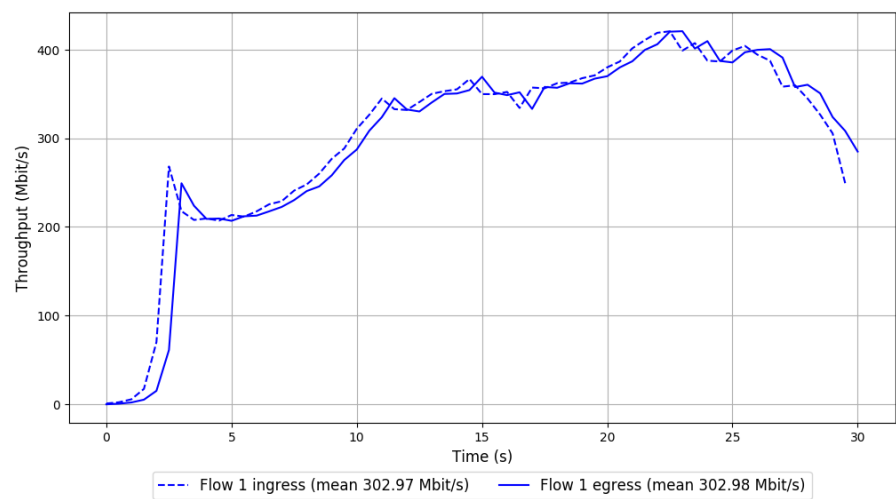


Run 5: Statistics of PCC-Vivace

Start at: 2020-02-19 00:23:58
End at: 2020-02-19 00:24:28
Local clock offset: -0.464 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2020-02-19 03:00:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.98 Mbit/s
95th percentile per-packet one-way delay: 58.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 302.98 Mbit/s
95th percentile per-packet one-way delay: 58.207 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

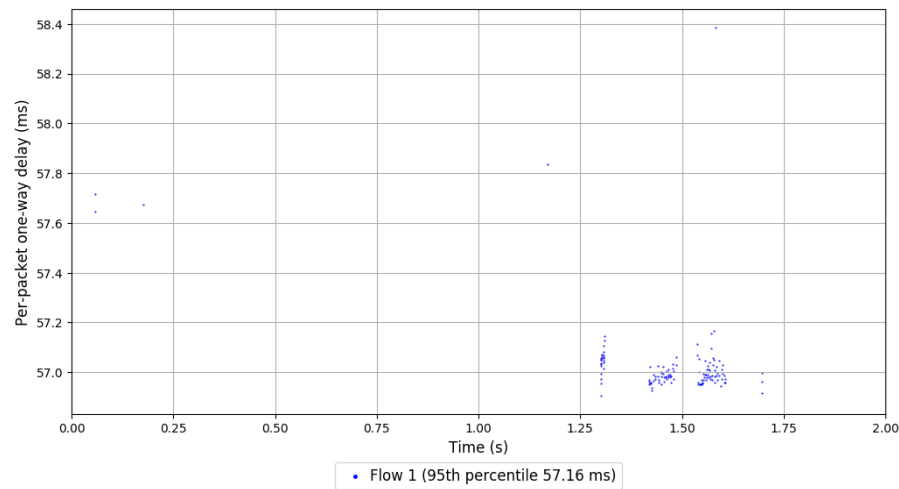
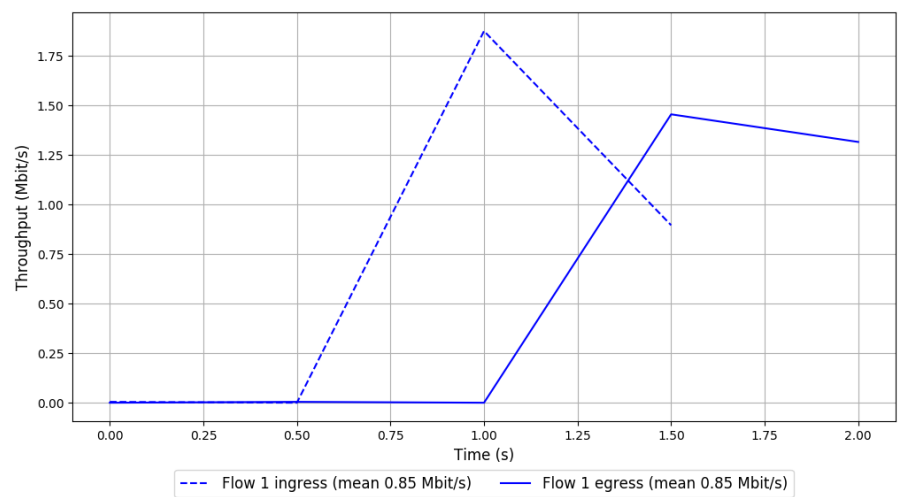
Start at: 2020-02-18 22:00:18

End at: 2020-02-18 22:00:48

Local clock offset: 0.206 ms

Remote clock offset: 0.204 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

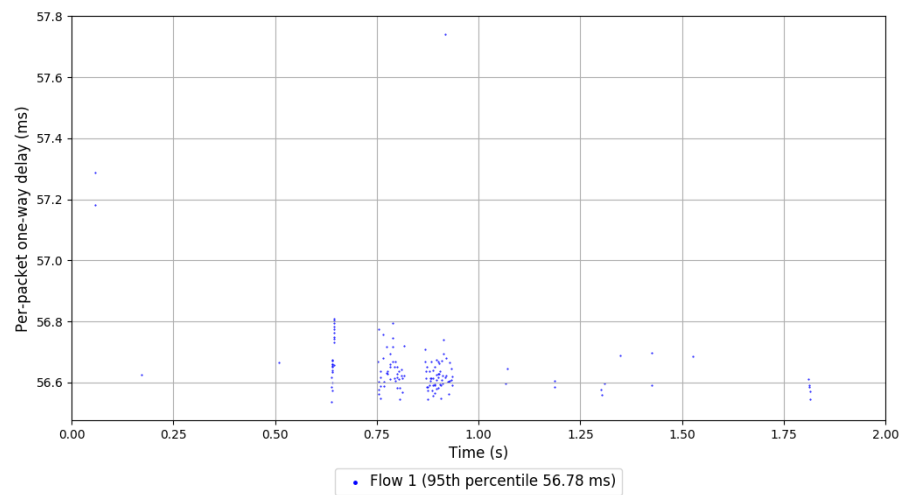
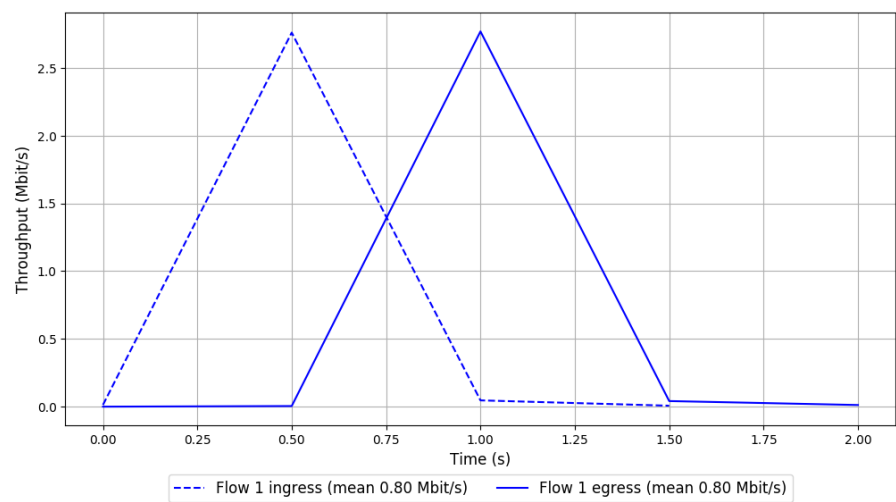
Start at: 2020-02-18 22:34:11

End at: 2020-02-18 22:34:41

Local clock offset: 0.113 ms

Remote clock offset: 0.035 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

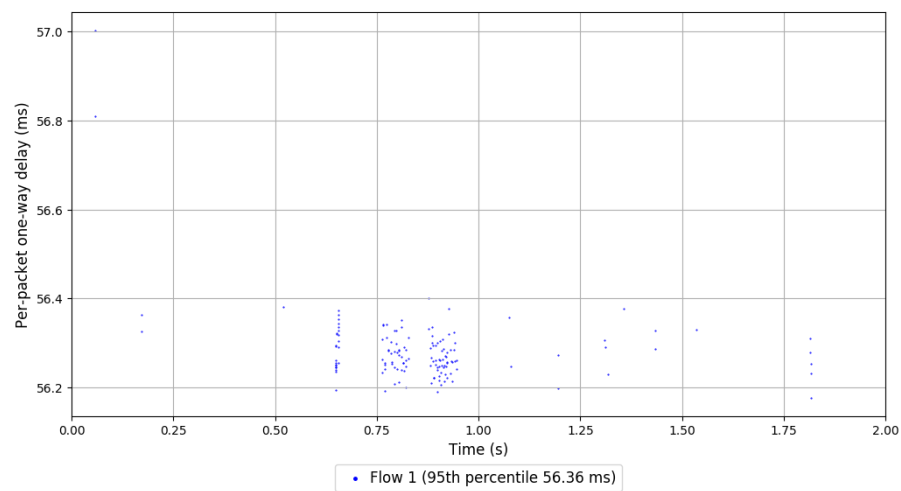
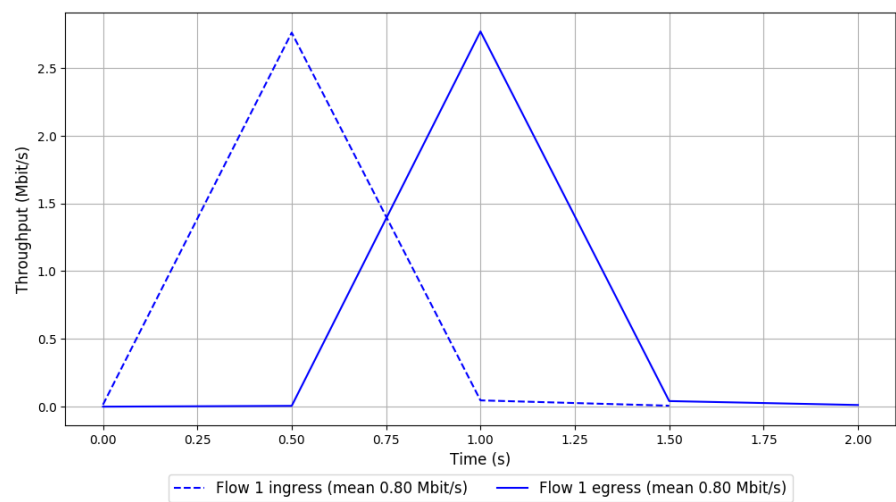
Start at: 2020-02-18 23:08:48

End at: 2020-02-18 23:09:18

Local clock offset: -0.275 ms

Remote clock offset: -0.654 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

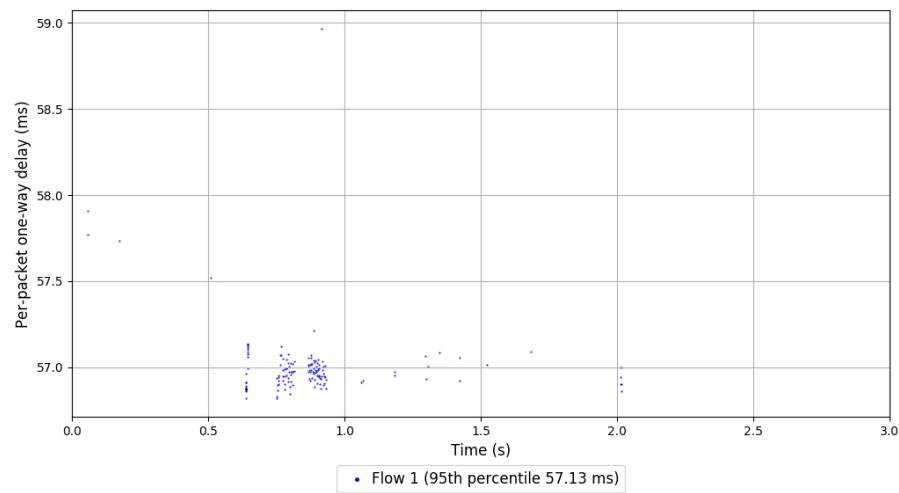
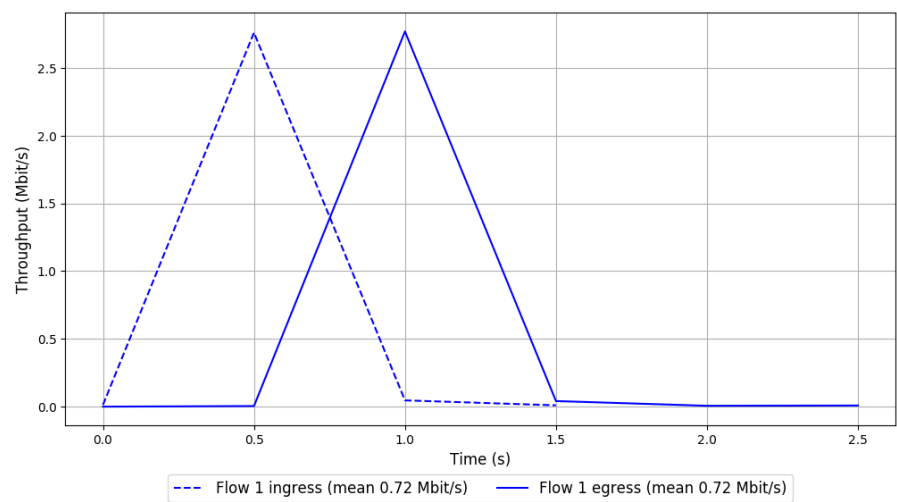
Start at: 2020-02-18 23:43:29

End at: 2020-02-18 23:43:59

Local clock offset: -0.324 ms

Remote clock offset: -0.002 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-19 00:17:11

End at: 2020-02-19 00:17:41

Local clock offset: -0.107 ms

Remote clock offset: -0.188 ms

Run 5: Report of WebRTC media — Data Link

