

Pantheon Report

Generated at 2018-08-21 23:51:27 (UTC).

Data path: AWS India 2 Ethernet (*local*) → Saudi Arabia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

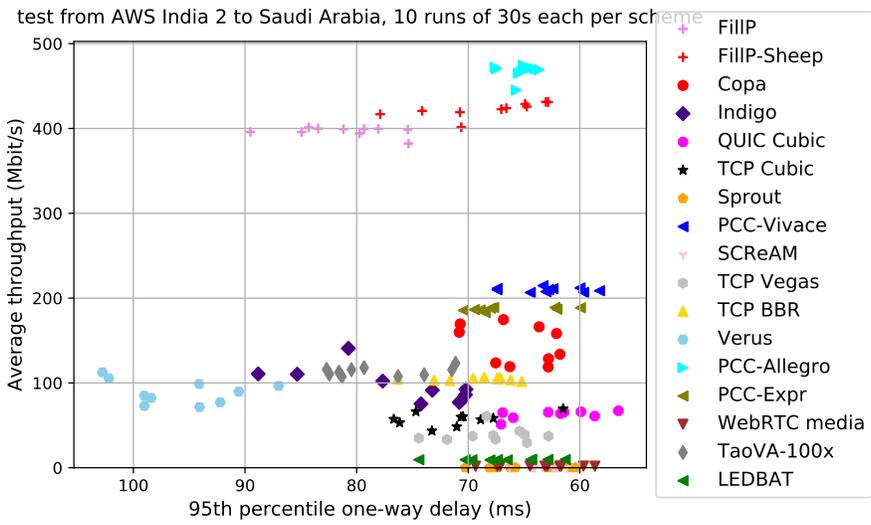
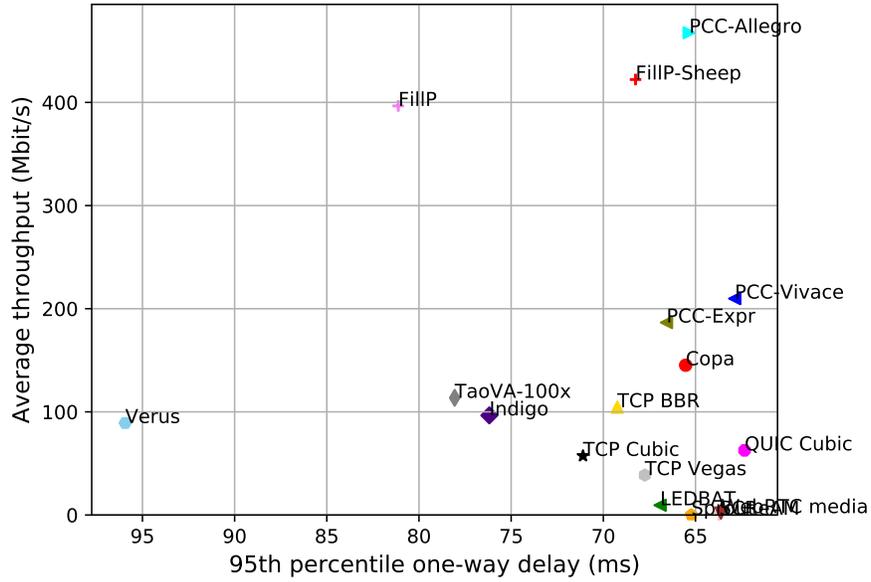
System info:

```
Linux 4.15.0-1016-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 2 to Saudi Arabia, 10 runs of 30s each per scheme
 (mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	10	104.51	69.24	0.06
Copa	10	145.23	65.53	6.61
TCP Cubic	10	57.30	71.10	1.48
FillP	10	396.59	81.12	20.17
FillP-Sheep	10	422.19	68.25	17.01
Indigo	10	96.59	76.18	0.53
LEDBAT	10	9.48	66.92	0.00
PCC-Allegro	10	467.49	65.34	3.69
PCC-Expr	10	186.59	66.58	2.74
QUIC Cubic	9	62.66	62.34	0.00
SReAM	10	0.22	63.72	0.00
Sprout	10	0.26	65.23	0.00
TaoVA-100x	10	113.60	78.06	2.59
TCP Vegas	10	38.69	67.75	0.88
Verus	10	89.20	95.94	64.45
PCC-Vivace	10	209.80	62.87	0.87
WebRTC media	10	1.89	63.62	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-21 19:12:14
End at: 2018-08-21 19:12:44
Local clock offset: -9.637 ms
Remote clock offset: -39.25 ms

Below is generated by plot.py at 2018-08-21 23:07:39

Datalink statistics

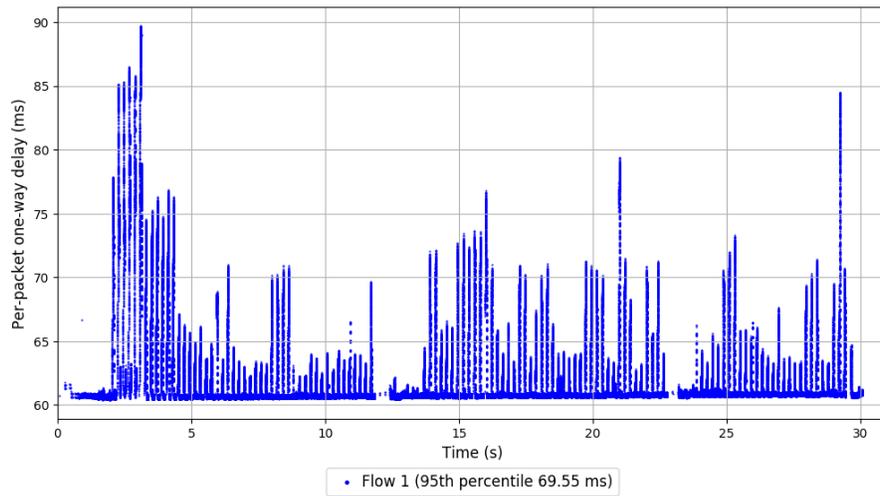
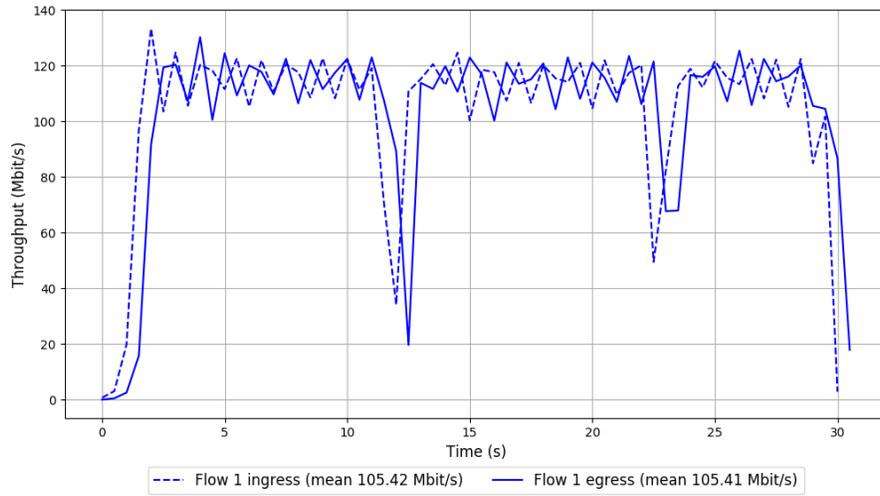
-- Total of 1 flow:

Average throughput: 105.41 Mbit/s
95th percentile per-packet one-way delay: 69.551 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 105.41 Mbit/s
95th percentile per-packet one-way delay: 69.551 ms
Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-21 19:34:34
End at: 2018-08-21 19:35:04
Local clock offset: -6.515 ms
Remote clock offset: -33.369 ms

Below is generated by plot.py at 2018-08-21 23:07:39

Datalink statistics

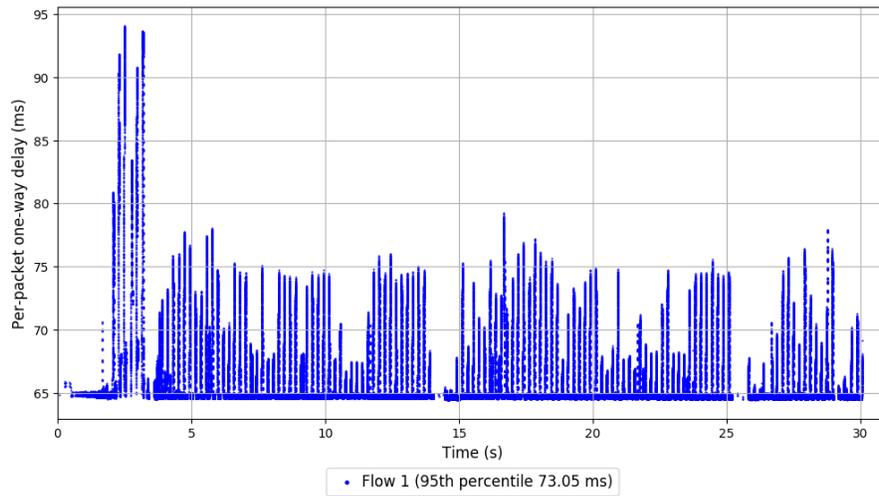
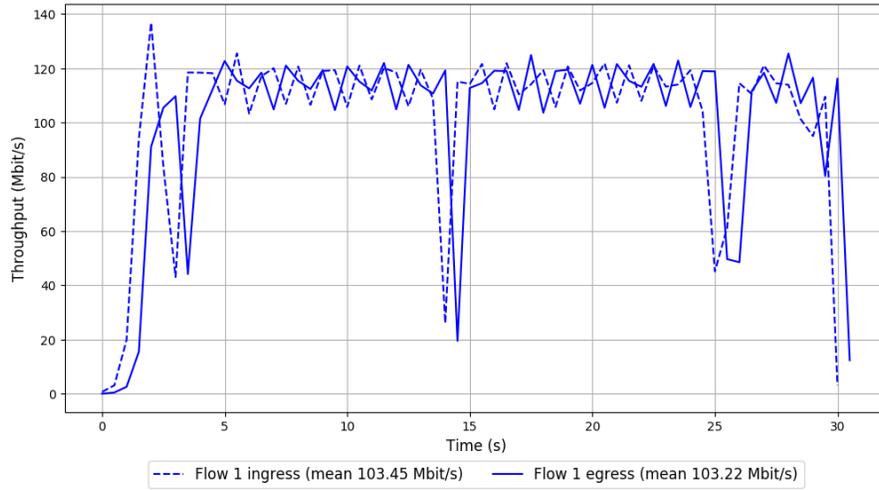
-- Total of 1 flow:

Average throughput: 103.22 Mbit/s
95th percentile per-packet one-way delay: 73.051 ms
Loss rate: 0.21%

-- Flow 1:

Average throughput: 103.22 Mbit/s
95th percentile per-packet one-way delay: 73.051 ms
Loss rate: 0.21%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-21 20:02:18
End at: 2018-08-21 20:02:48
Local clock offset: -3.182 ms
Remote clock offset: -39.858 ms

Below is generated by plot.py at 2018-08-21 23:07:39

Datalink statistics

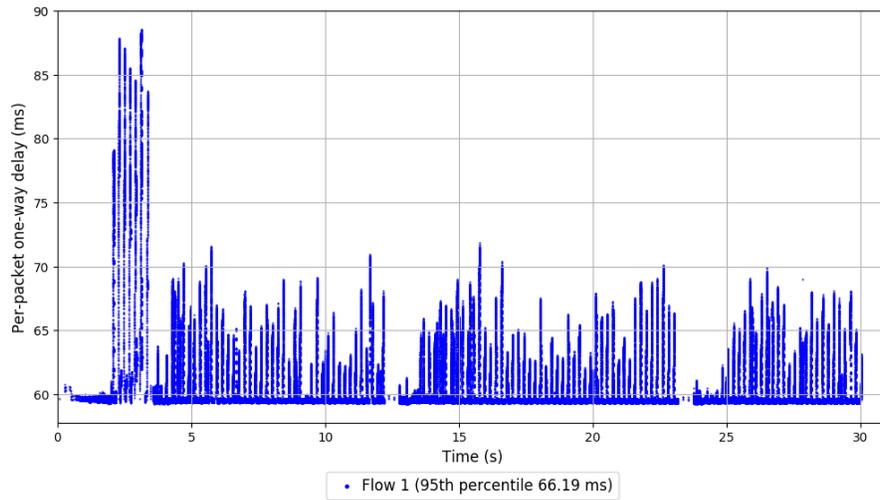
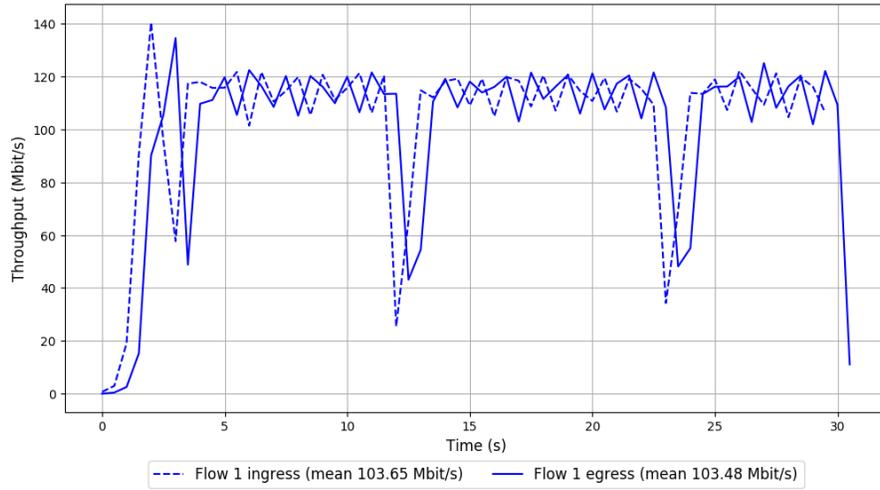
-- Total of 1 flow:

Average throughput: 103.48 Mbit/s
95th percentile per-packet one-way delay: 66.192 ms
Loss rate: 0.16%

-- Flow 1:

Average throughput: 103.48 Mbit/s
95th percentile per-packet one-way delay: 66.192 ms
Loss rate: 0.16%

Run 3: Report of TCP BBR — Data Link

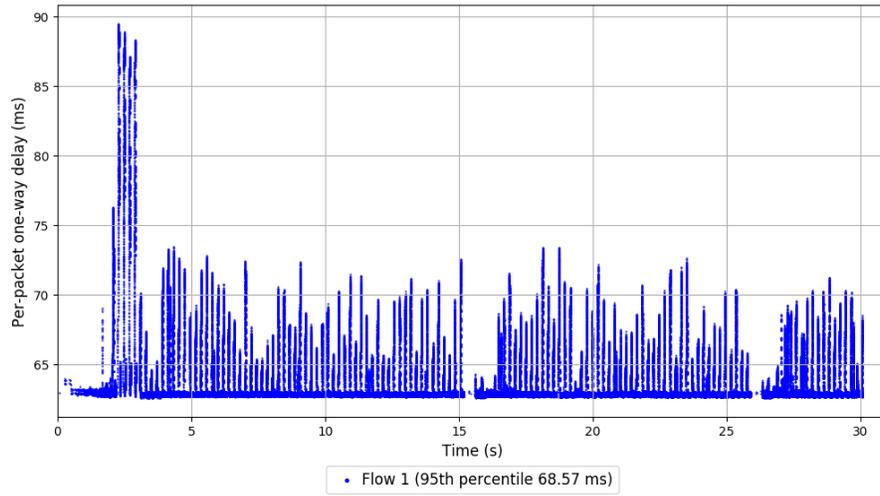
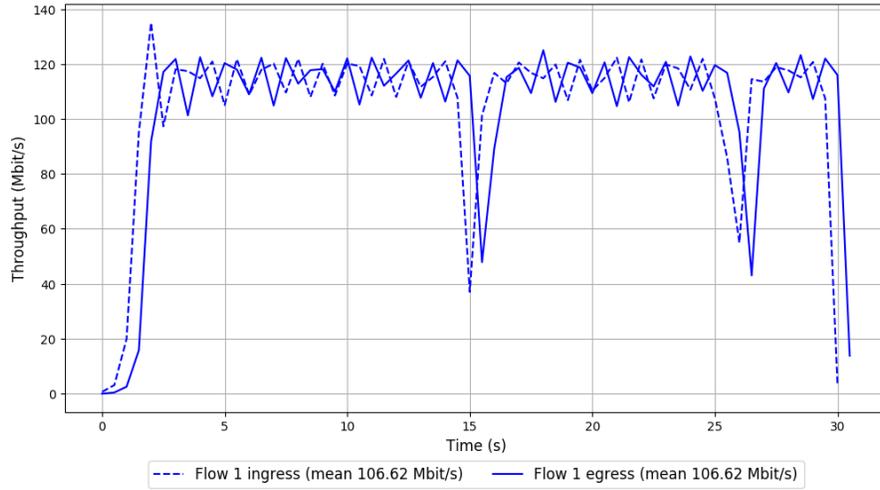


Run 4: Statistics of TCP BBR

Start at: 2018-08-21 20:24:23
End at: 2018-08-21 20:24:53
Local clock offset: -2.283 ms
Remote clock offset: -35.288 ms

Below is generated by plot.py at 2018-08-21 23:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.62 Mbit/s
95th percentile per-packet one-way delay: 68.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.62 Mbit/s
95th percentile per-packet one-way delay: 68.566 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

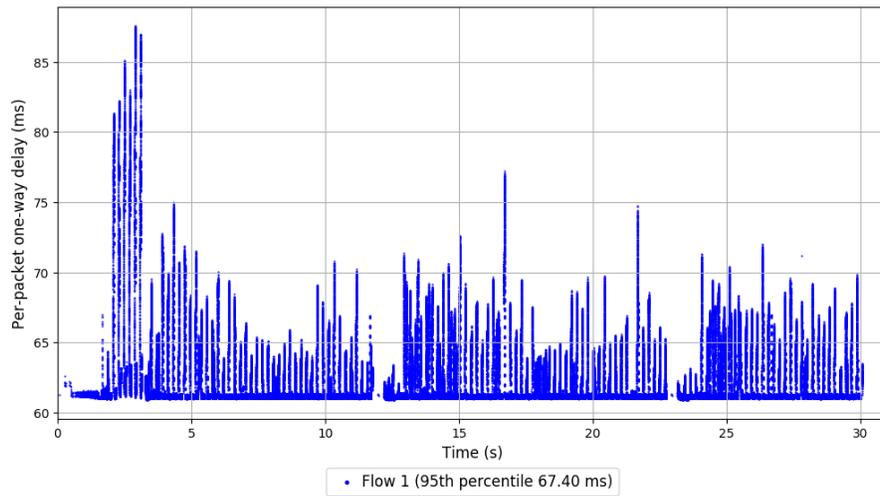
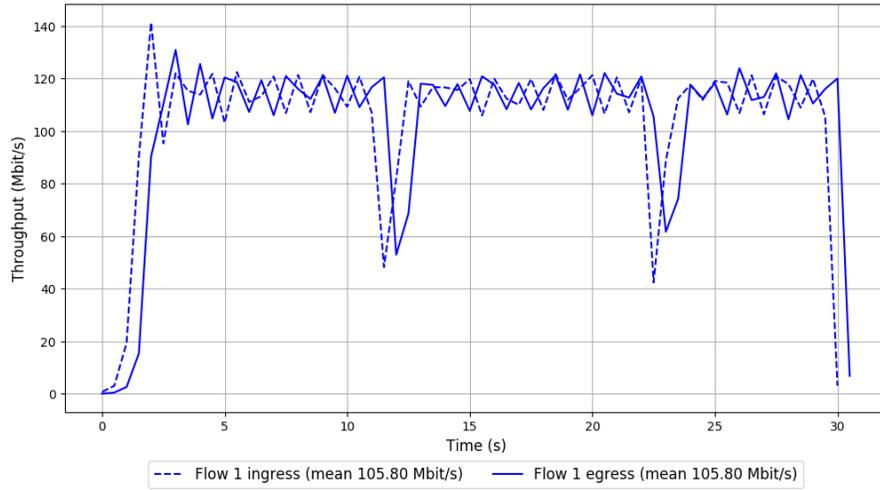


Run 5: Statistics of TCP BBR

Start at: 2018-08-21 20:52:15
End at: 2018-08-21 20:52:45
Local clock offset: -3.71 ms
Remote clock offset: -39.021 ms

Below is generated by plot.py at 2018-08-21 23:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.80 Mbit/s
95th percentile per-packet one-way delay: 67.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.80 Mbit/s
95th percentile per-packet one-way delay: 67.400 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

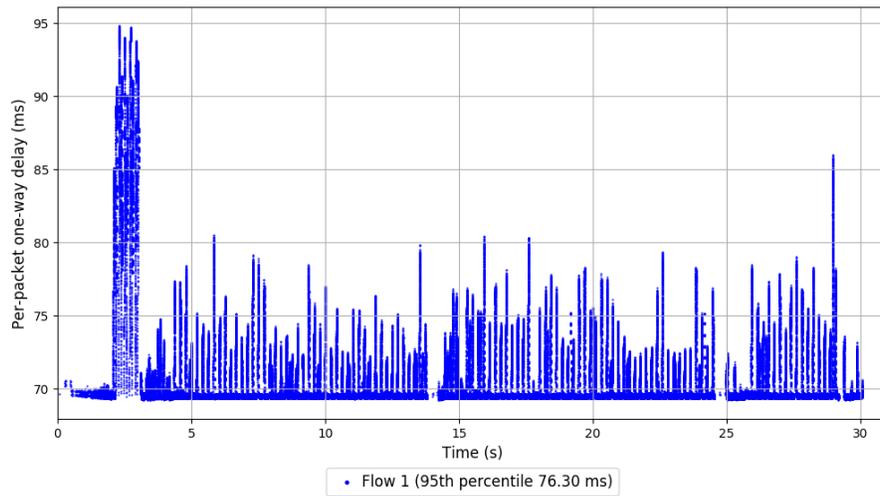
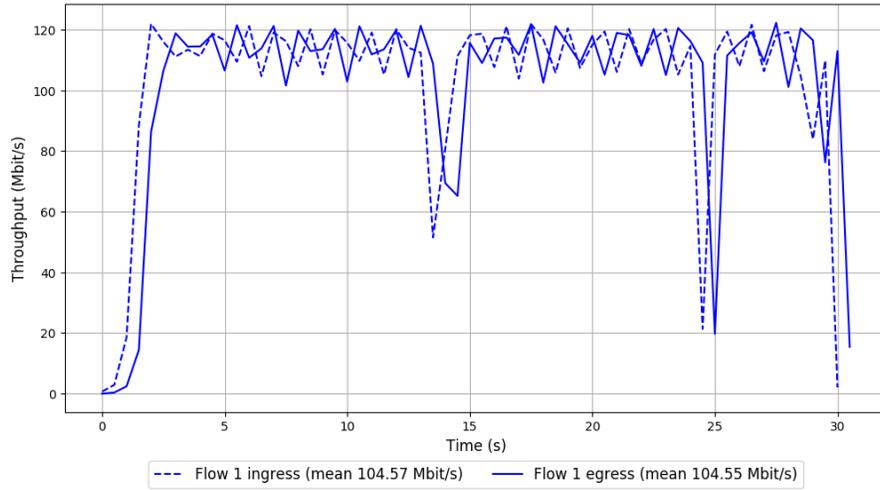


Run 6: Statistics of TCP BBR

Start at: 2018-08-21 21:14:21
End at: 2018-08-21 21:14:51
Local clock offset: -2.262 ms
Remote clock offset: -32.212 ms

Below is generated by plot.py at 2018-08-21 23:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.55 Mbit/s
95th percentile per-packet one-way delay: 76.299 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.55 Mbit/s
95th percentile per-packet one-way delay: 76.299 ms
Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-21 21:36:30

End at: 2018-08-21 21:37:00

Local clock offset: 1.422 ms

Remote clock offset: -39.59 ms

Below is generated by plot.py at 2018-08-21 23:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.81 Mbit/s

95th percentile per-packet one-way delay: 65.208 ms

Loss rate: 0.16%

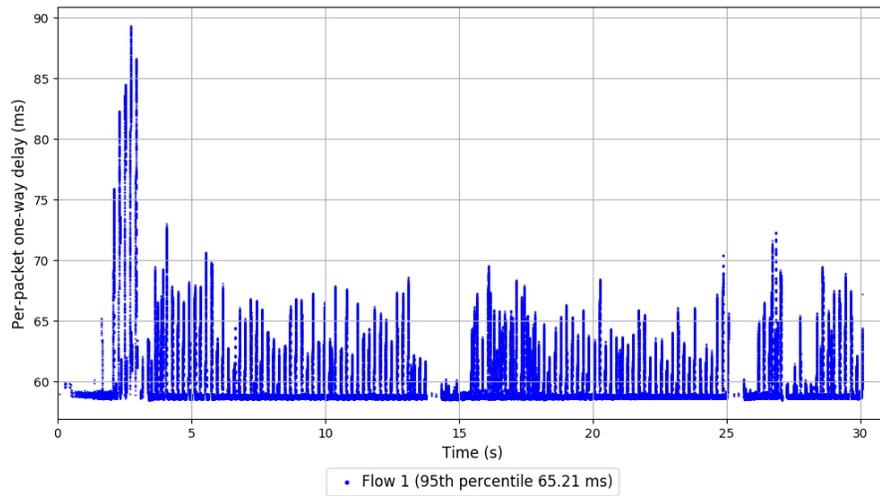
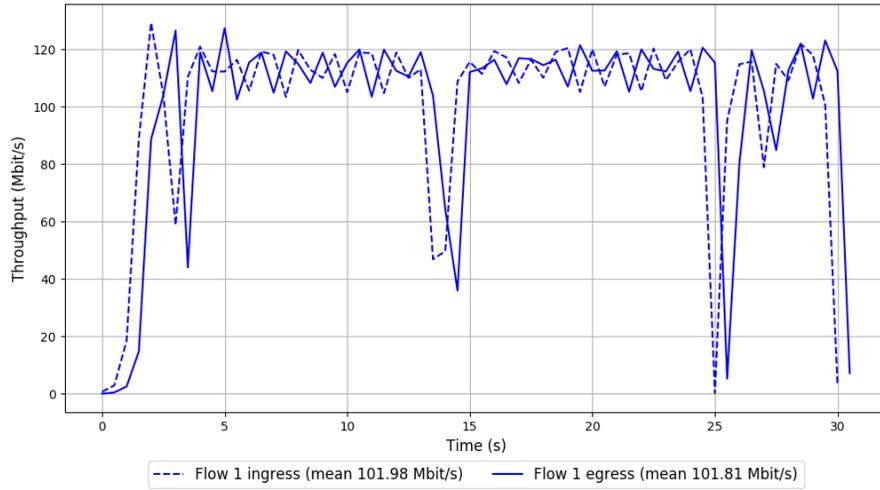
-- Flow 1:

Average throughput: 101.81 Mbit/s

95th percentile per-packet one-way delay: 65.208 ms

Loss rate: 0.16%

Run 7: Report of TCP BBR — Data Link

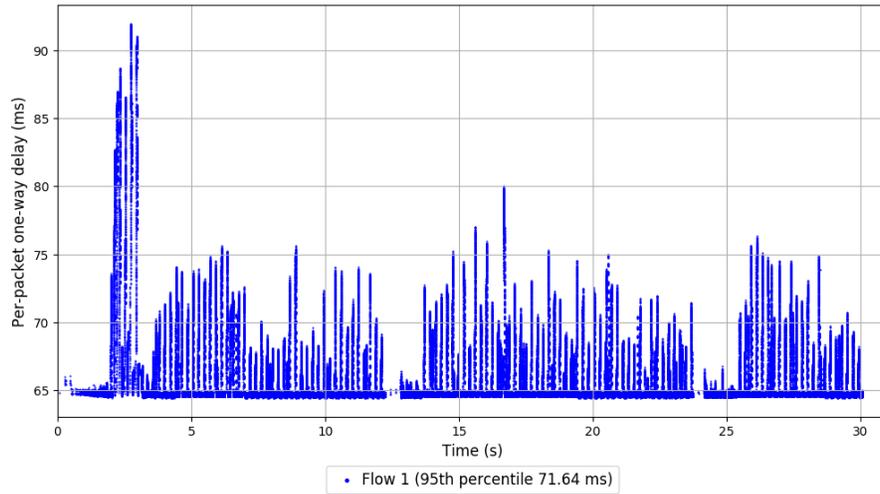
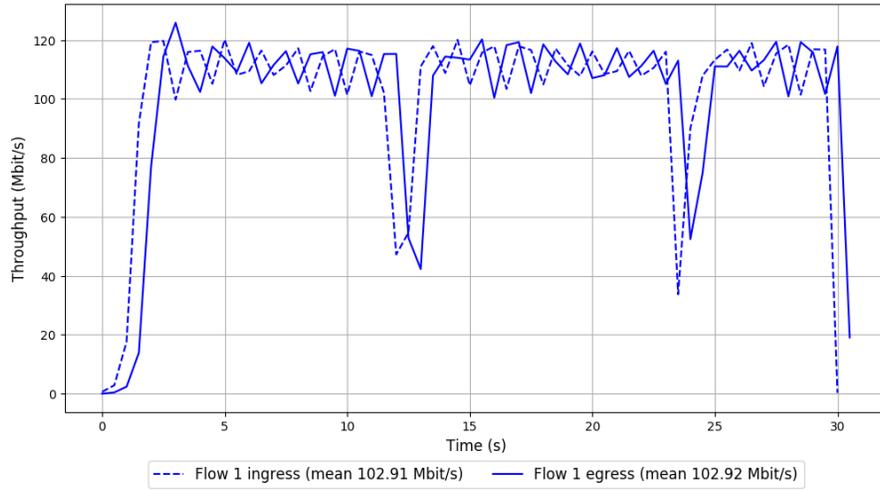


Run 8: Statistics of TCP BBR

Start at: 2018-08-21 21:58:36
End at: 2018-08-21 21:59:06
Local clock offset: 2.755 ms
Remote clock offset: -34.288 ms

Below is generated by plot.py at 2018-08-21 23:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.92 Mbit/s
95th percentile per-packet one-way delay: 71.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.92 Mbit/s
95th percentile per-packet one-way delay: 71.642 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

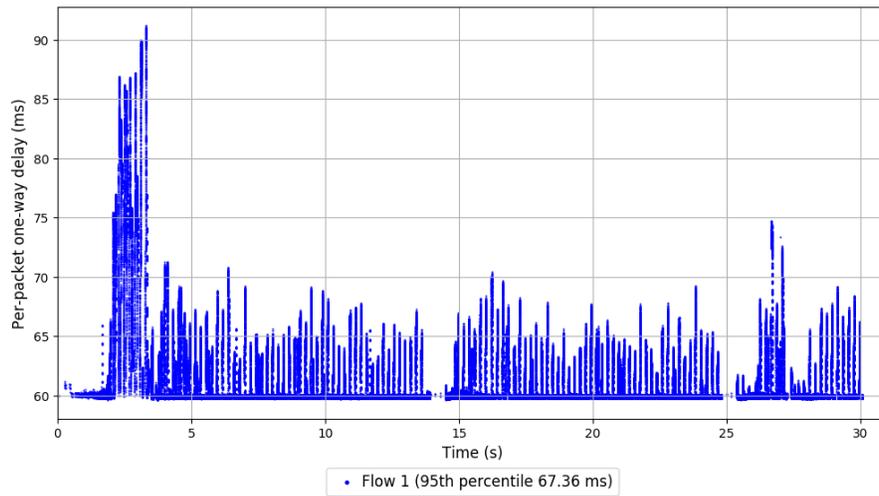
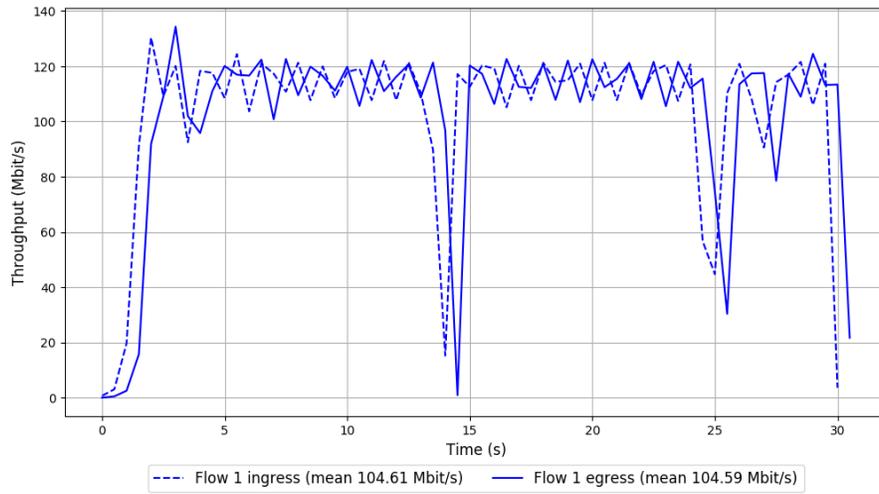


Run 9: Statistics of TCP BBR

Start at: 2018-08-21 22:26:22
End at: 2018-08-21 22:26:52
Local clock offset: 1.385 ms
Remote clock offset: -39.028 ms

Below is generated by plot.py at 2018-08-21 23:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.59 Mbit/s
95th percentile per-packet one-way delay: 67.361 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 104.59 Mbit/s
95th percentile per-packet one-way delay: 67.361 ms
Loss rate: 0.02%

Run 9: Report of TCP BBR — Data Link

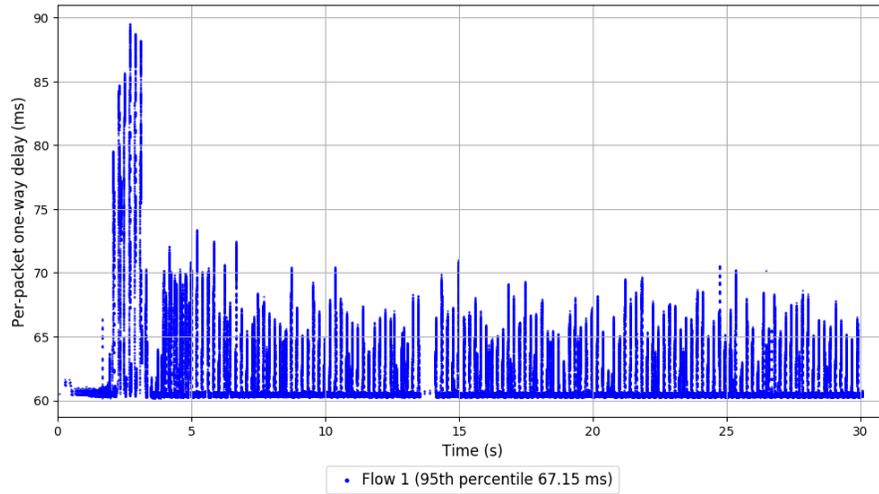
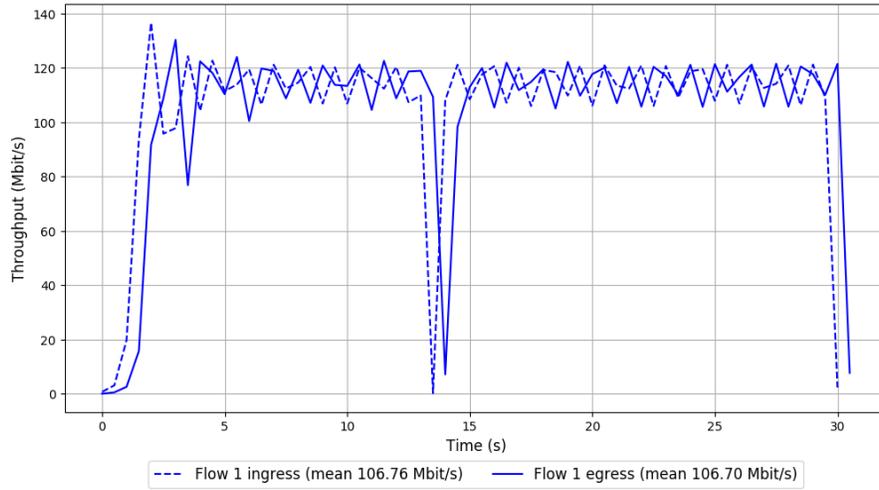


Run 10: Statistics of TCP BBR

Start at: 2018-08-21 22:48:29
End at: 2018-08-21 22:48:59
Local clock offset: 0.06 ms
Remote clock offset: -39.384 ms

Below is generated by plot.py at 2018-08-21 23:08:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.70 Mbit/s
95th percentile per-packet one-way delay: 67.153 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 106.70 Mbit/s
95th percentile per-packet one-way delay: 67.153 ms
Loss rate: 0.06%

Run 10: Report of TCP BBR — Data Link

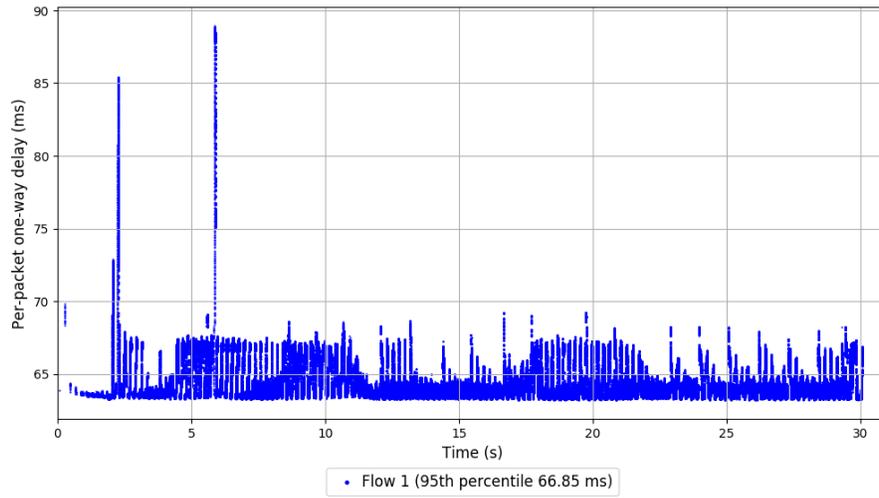
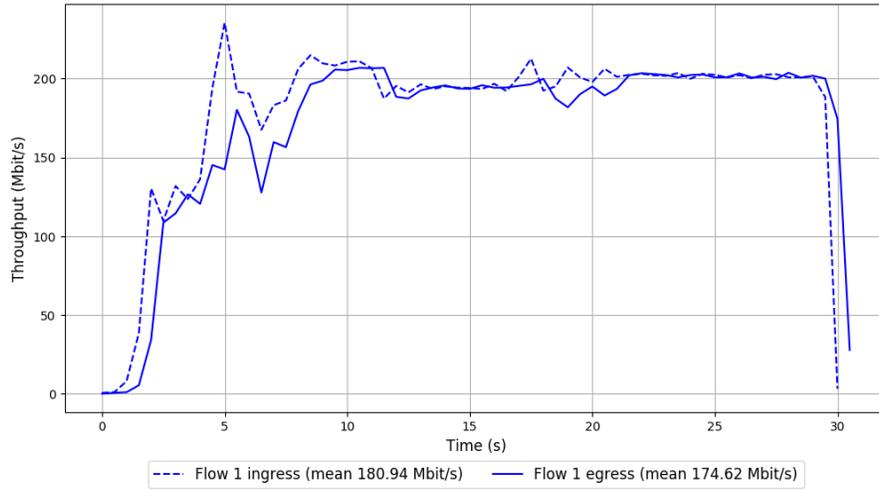


Run 1: Statistics of Copa

Start at: 2018-08-21 19:01:20
End at: 2018-08-21 19:01:50
Local clock offset: -11.121 ms
Remote clock offset: -34.813 ms

```
# Below is generated by plot.py at 2018-08-21 23:11:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.62 Mbit/s
95th percentile per-packet one-way delay: 66.848 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 174.62 Mbit/s
95th percentile per-packet one-way delay: 66.848 ms
Loss rate: 3.48%
```

Run 1: Report of Copa — Data Link

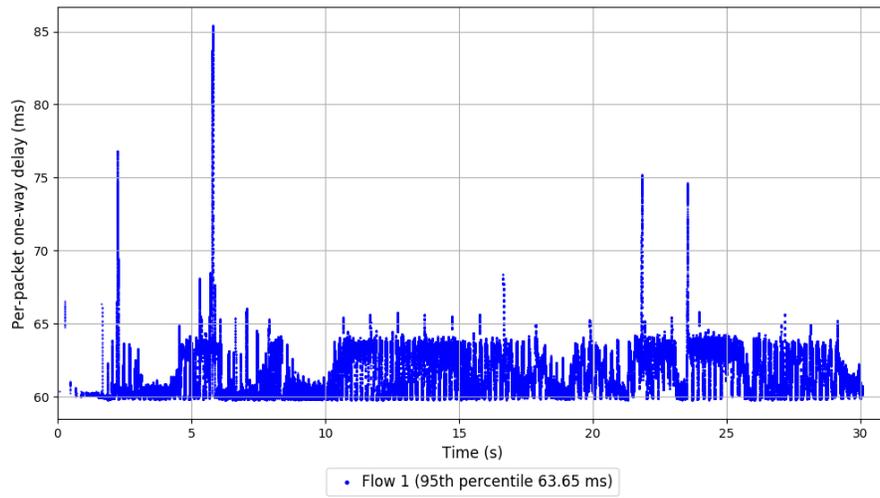
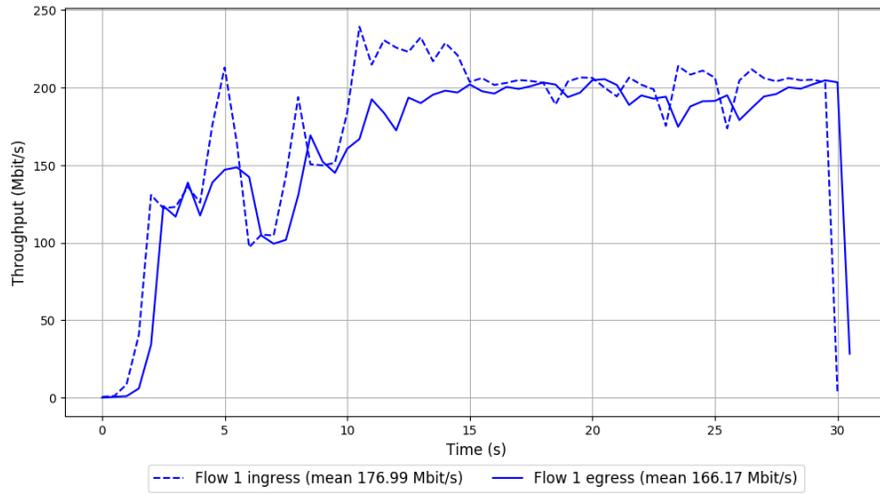


Run 2: Statistics of Copa

Start at: 2018-08-21 19:29:03
End at: 2018-08-21 19:29:33
Local clock offset: -6.784 ms
Remote clock offset: -39.142 ms

Below is generated by plot.py at 2018-08-21 23:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.17 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 6.11%
-- Flow 1:
Average throughput: 166.17 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 6.11%

Run 2: Report of Copa — Data Link

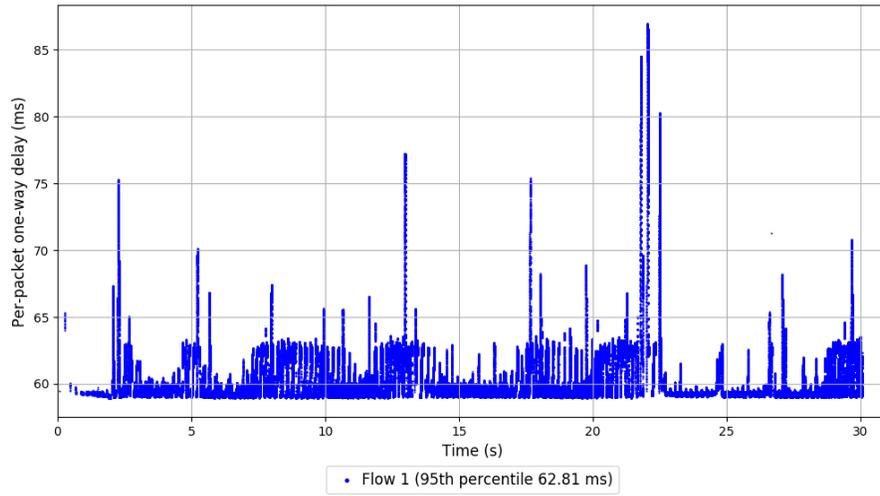
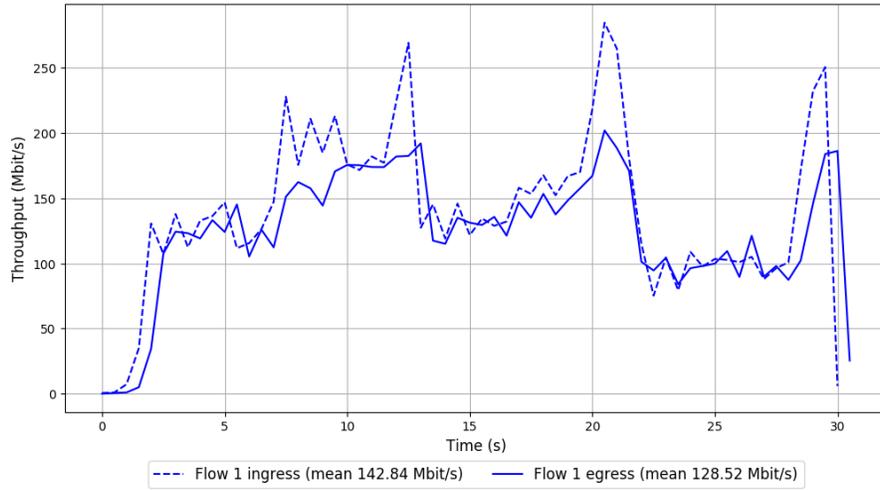


Run 3: Statistics of Copa

Start at: 2018-08-21 19:51:14
End at: 2018-08-21 19:51:45
Local clock offset: 0.159 ms
Remote clock offset: -39.335 ms

Below is generated by plot.py at 2018-08-21 23:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.52 Mbit/s
95th percentile per-packet one-way delay: 62.807 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 128.52 Mbit/s
95th percentile per-packet one-way delay: 62.807 ms
Loss rate: 10.01%

Run 3: Report of Copa — Data Link

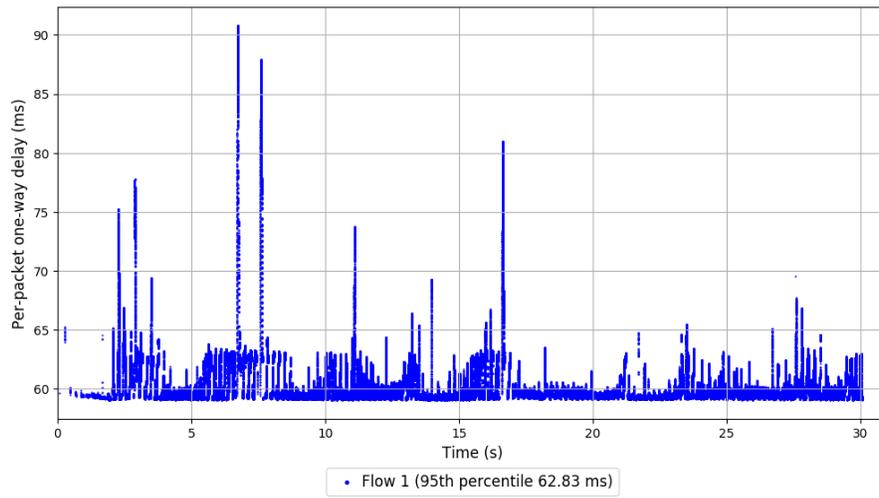
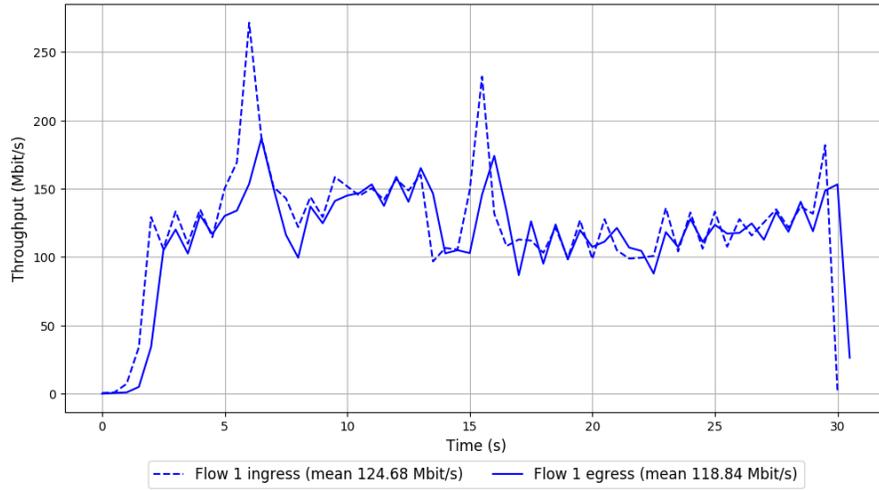


Run 4: Statistics of Copa

Start at: 2018-08-21 20:18:58
End at: 2018-08-21 20:19:28
Local clock offset: 0.763 ms
Remote clock offset: -38.853 ms

Below is generated by plot.py at 2018-08-21 23:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.84 Mbit/s
95th percentile per-packet one-way delay: 62.830 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 118.84 Mbit/s
95th percentile per-packet one-way delay: 62.830 ms
Loss rate: 4.69%

Run 4: Report of Copa — Data Link

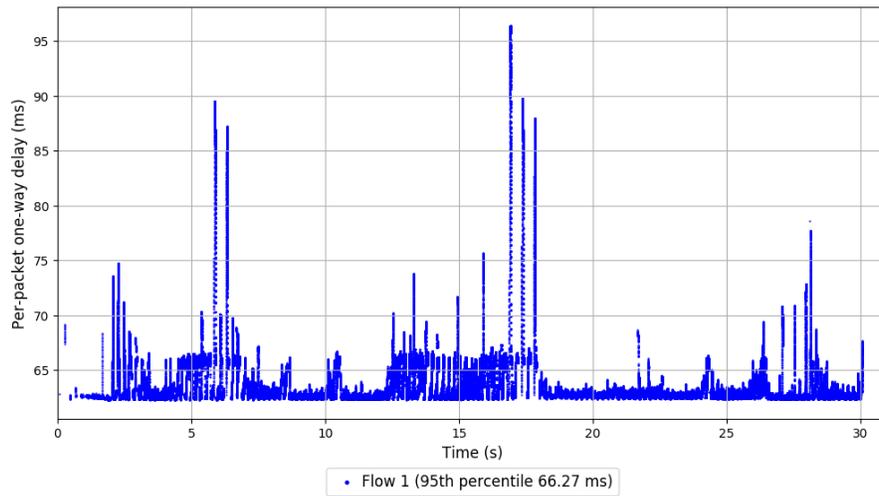
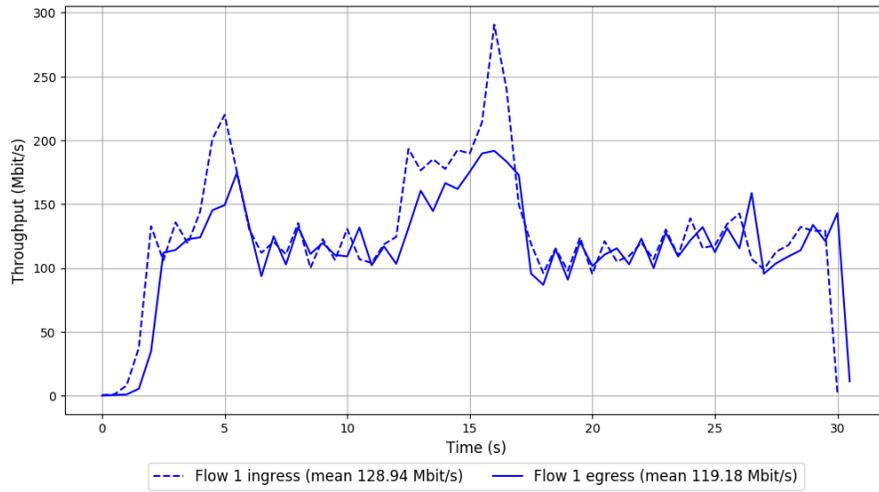


Run 5: Statistics of Copa

Start at: 2018-08-21 20:41:07
End at: 2018-08-21 20:41:37
Local clock offset: 0.049 ms
Remote clock offset: -33.832 ms

Below is generated by plot.py at 2018-08-21 23:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.18 Mbit/s
95th percentile per-packet one-way delay: 66.272 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 119.18 Mbit/s
95th percentile per-packet one-way delay: 66.272 ms
Loss rate: 7.57%

Run 5: Report of Copa — Data Link

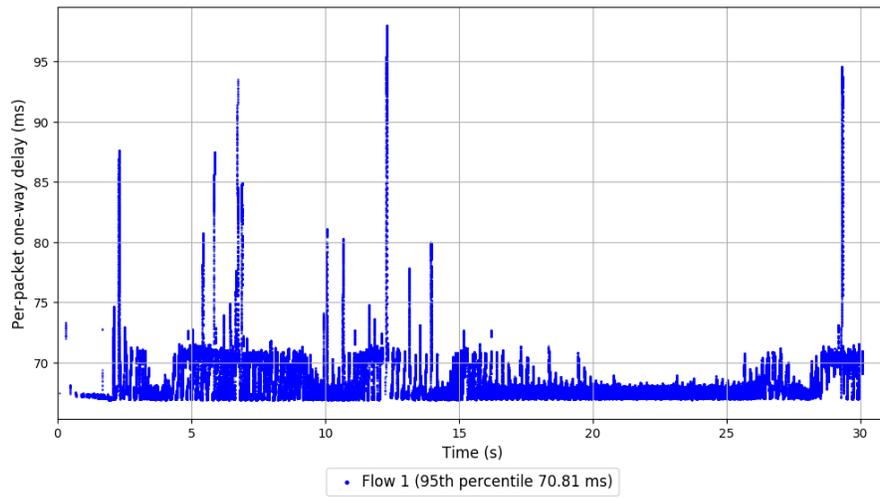
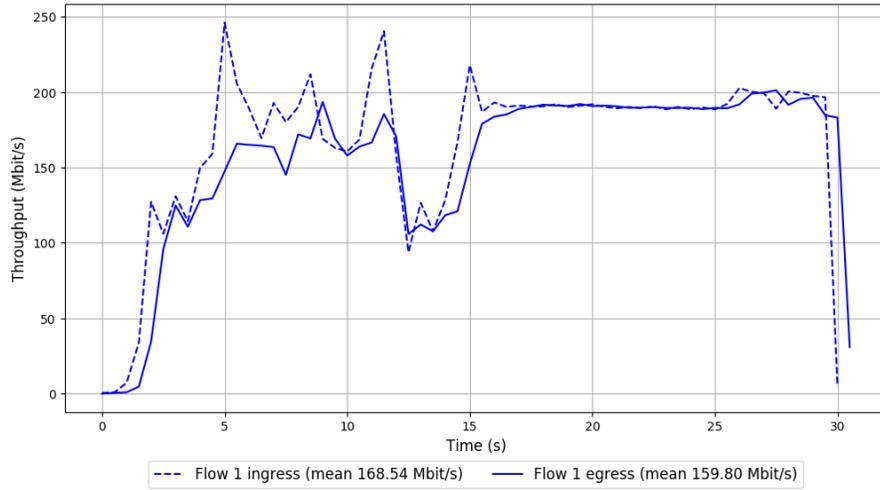


Run 6: Statistics of Copa

Start at: 2018-08-21 21:08:52
End at: 2018-08-21 21:09:22
Local clock offset: -2.693 ms
Remote clock offset: -35.148 ms

Below is generated by plot.py at 2018-08-21 23:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.80 Mbit/s
95th percentile per-packet one-way delay: 70.807 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 159.80 Mbit/s
95th percentile per-packet one-way delay: 70.807 ms
Loss rate: 5.18%

Run 6: Report of Copa — Data Link

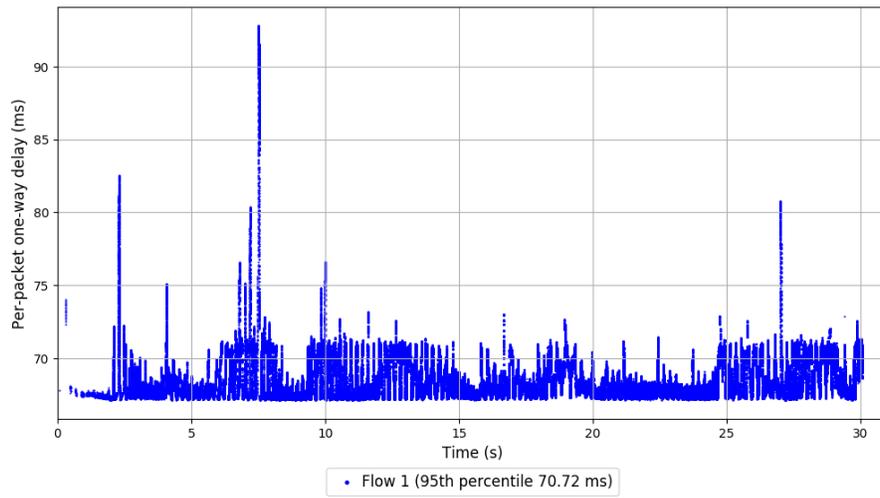
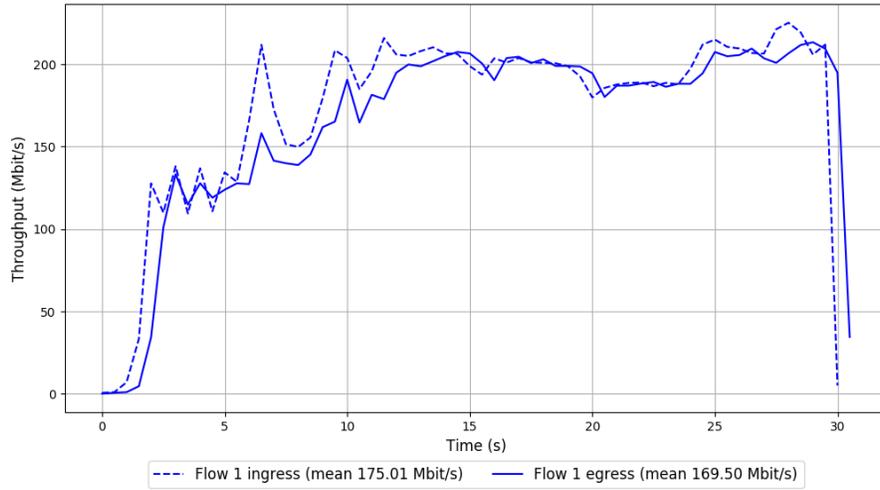


Run 7: Statistics of Copa

Start at: 2018-08-21 21:30:59
End at: 2018-08-21 21:31:29
Local clock offset: -0.565 ms
Remote clock offset: -32.89 ms

Below is generated by plot.py at 2018-08-21 23:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.50 Mbit/s
95th percentile per-packet one-way delay: 70.722 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 169.50 Mbit/s
95th percentile per-packet one-way delay: 70.722 ms
Loss rate: 3.14%

Run 7: Report of Copa — Data Link

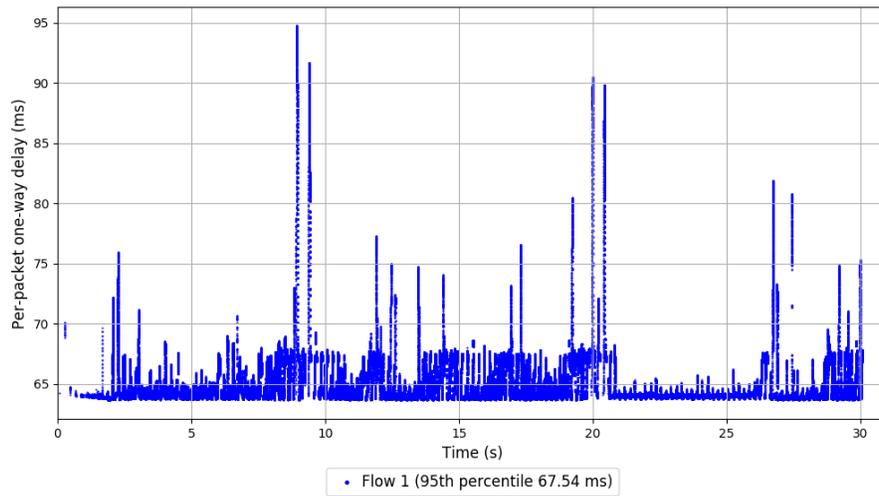
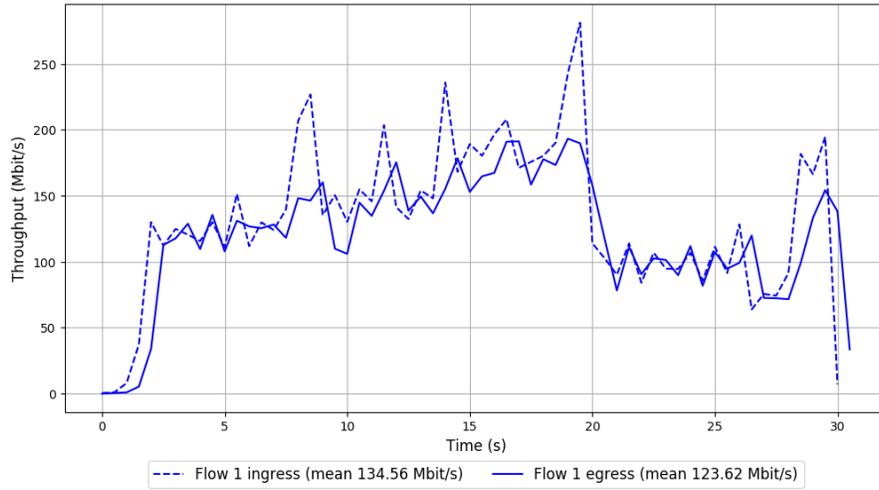


Run 8: Statistics of Copa

Start at: 2018-08-21 21:53:09
End at: 2018-08-21 21:53:39
Local clock offset: 1.594 ms
Remote clock offset: -33.541 ms

Below is generated by plot.py at 2018-08-21 23:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.62 Mbit/s
95th percentile per-packet one-way delay: 67.540 ms
Loss rate: 8.13%
-- Flow 1:
Average throughput: 123.62 Mbit/s
95th percentile per-packet one-way delay: 67.540 ms
Loss rate: 8.13%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-21 22:15:16

End at: 2018-08-21 22:15:46

Local clock offset: 3.588 ms

Remote clock offset: -39.4 ms

Below is generated by plot.py at 2018-08-21 23:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.83 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 8.24%

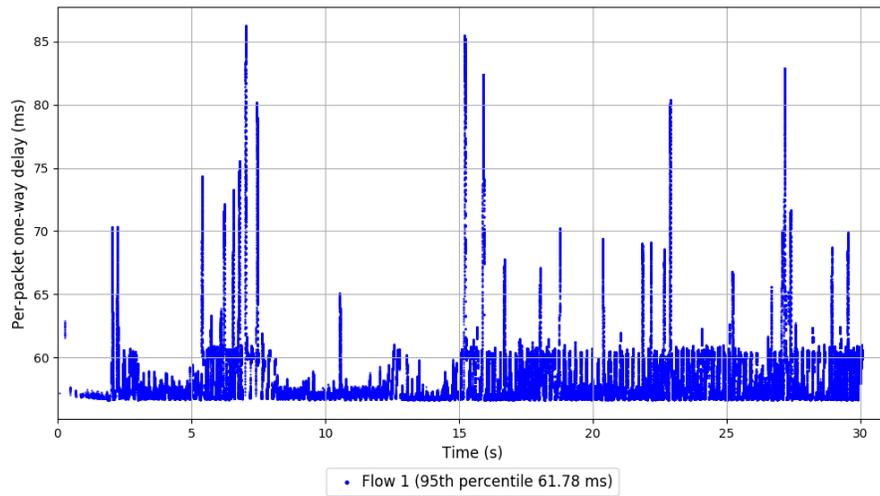
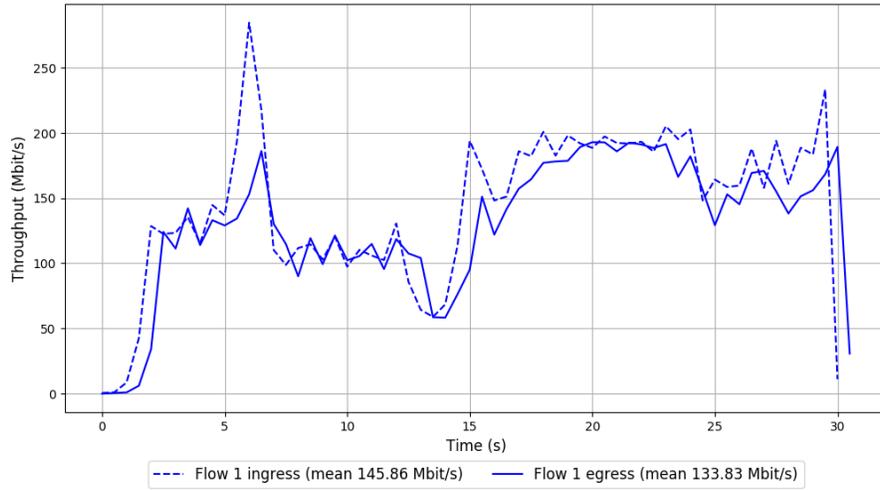
-- Flow 1:

Average throughput: 133.83 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 8.24%

Run 9: Report of Copa — Data Link

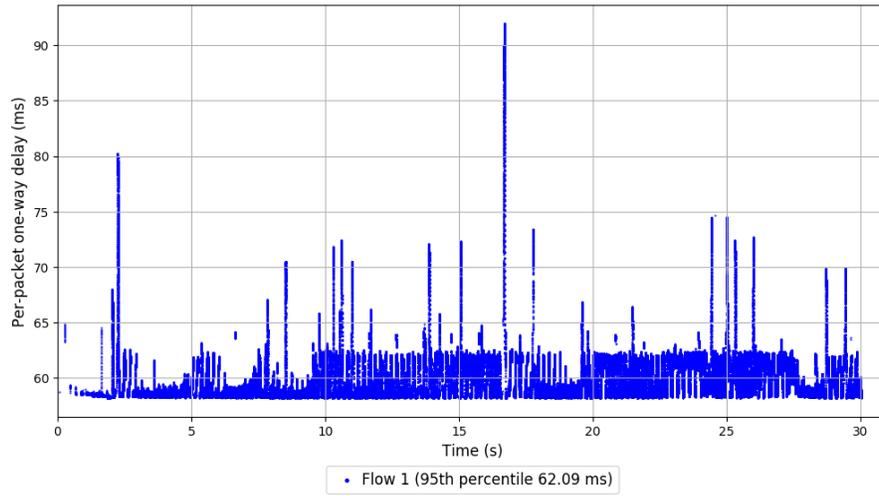
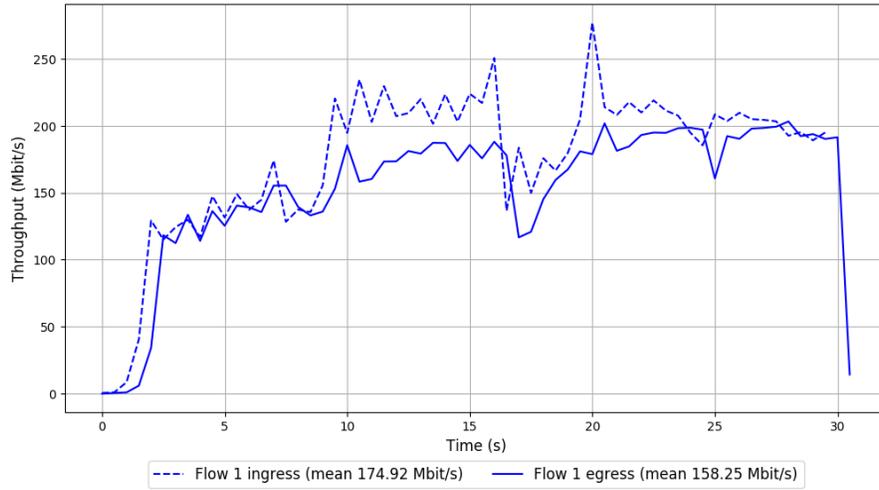


Run 10: Statistics of Copa

Start at: 2018-08-21 22:42:59
End at: 2018-08-21 22:43:29
Local clock offset: 2.505 ms
Remote clock offset: -39.266 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.25 Mbit/s
95th percentile per-packet one-way delay: 62.090 ms
Loss rate: 9.53%
-- Flow 1:
Average throughput: 158.25 Mbit/s
95th percentile per-packet one-way delay: 62.090 ms
Loss rate: 9.53%

Run 10: Report of Copa — Data Link

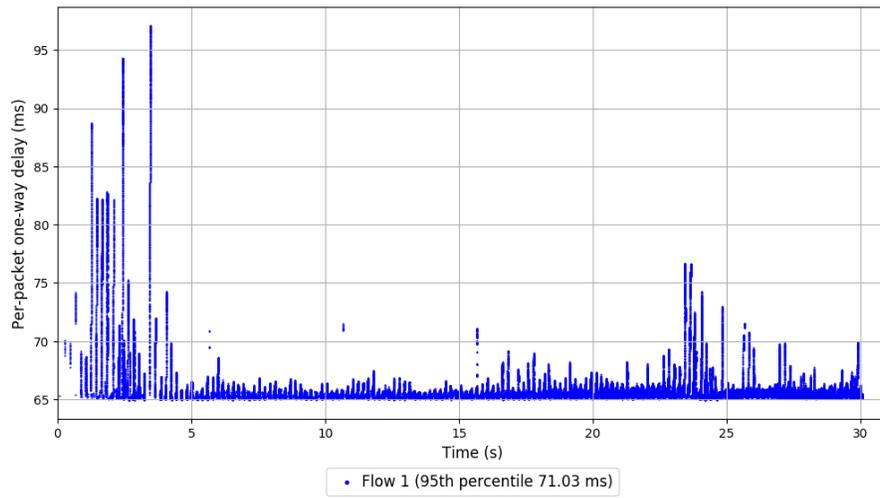
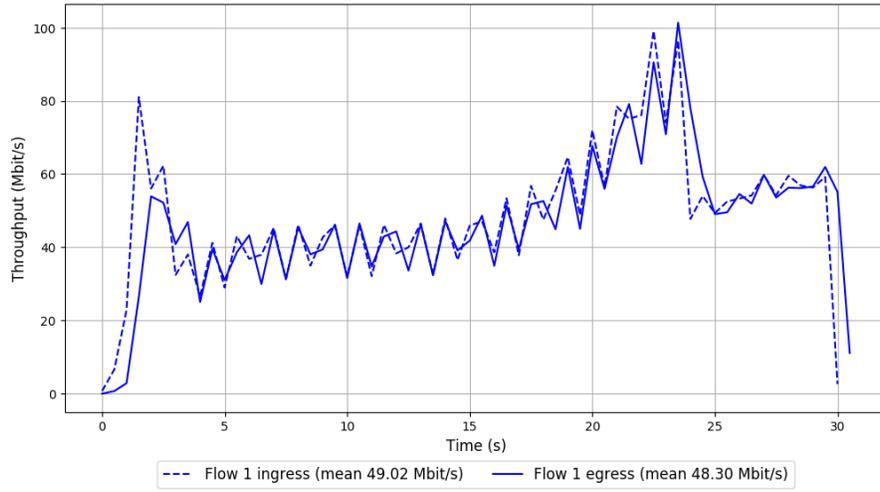


Run 1: Statistics of TCP Cubic

Start at: 2018-08-21 19:20:02
End at: 2018-08-21 19:20:32
Local clock offset: -6.779 ms
Remote clock offset: -34.302 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 71.030 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 71.030 ms
Loss rate: 1.47%

Run 1: Report of TCP Cubic — Data Link

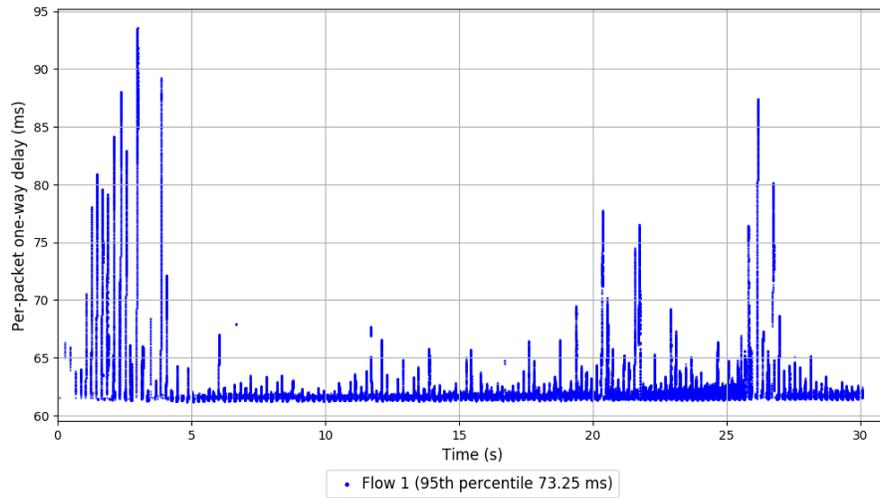
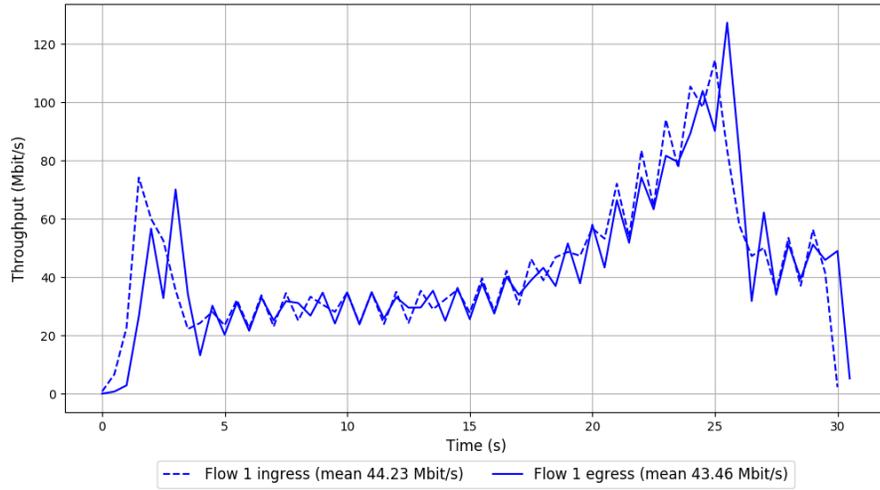


Run 2: Statistics of TCP Cubic

Start at: 2018-08-21 19:42:17
End at: 2018-08-21 19:42:47
Local clock offset: -4.24 ms
Remote clock offset: -39.573 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 73.251 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 73.251 ms
Loss rate: 1.75%

Run 2: Report of TCP Cubic — Data Link

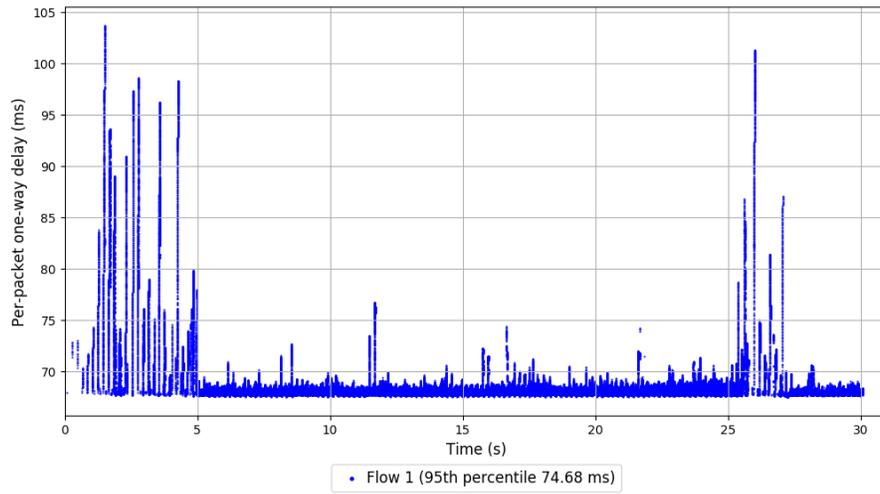
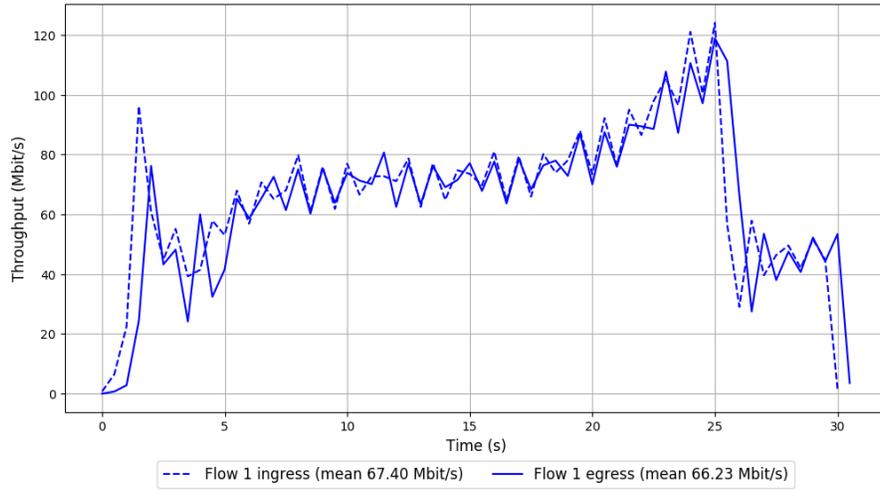


Run 3: Statistics of TCP Cubic

Start at: 2018-08-21 20:09:58
End at: 2018-08-21 20:10:28
Local clock offset: -1.819 ms
Remote clock offset: -32.575 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.23 Mbit/s
95th percentile per-packet one-way delay: 74.684 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 66.23 Mbit/s
95th percentile per-packet one-way delay: 74.684 ms
Loss rate: 1.74%

Run 3: Report of TCP Cubic — Data Link

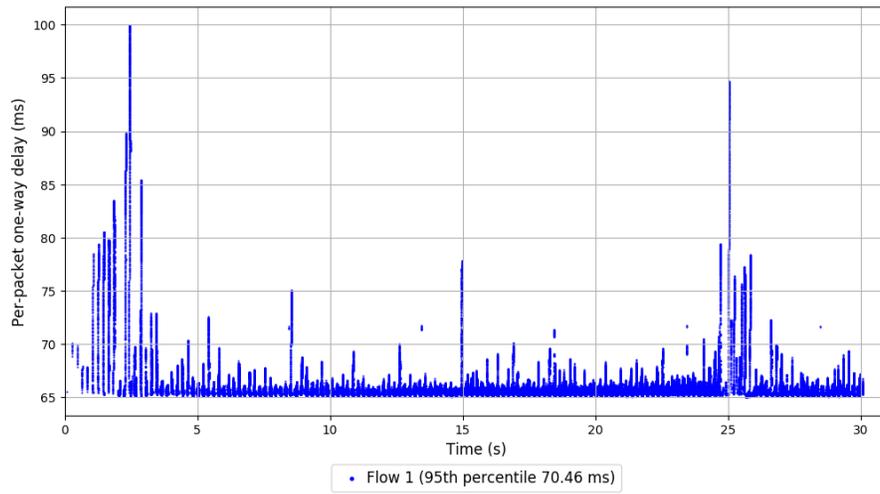
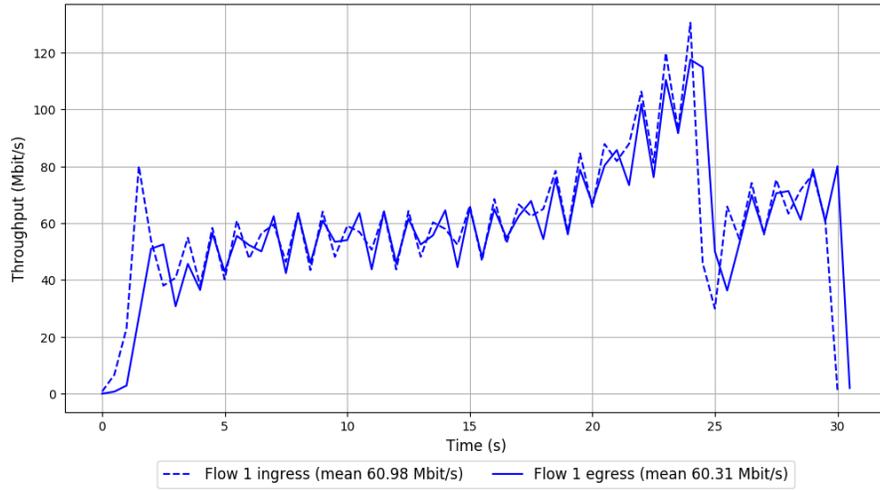


Run 4: Statistics of TCP Cubic

Start at: 2018-08-21 20:32:06
End at: 2018-08-21 20:32:36
Local clock offset: -2.312 ms
Remote clock offset: -34.664 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 70.462 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 70.462 ms
Loss rate: 1.09%

Run 4: Report of TCP Cubic — Data Link

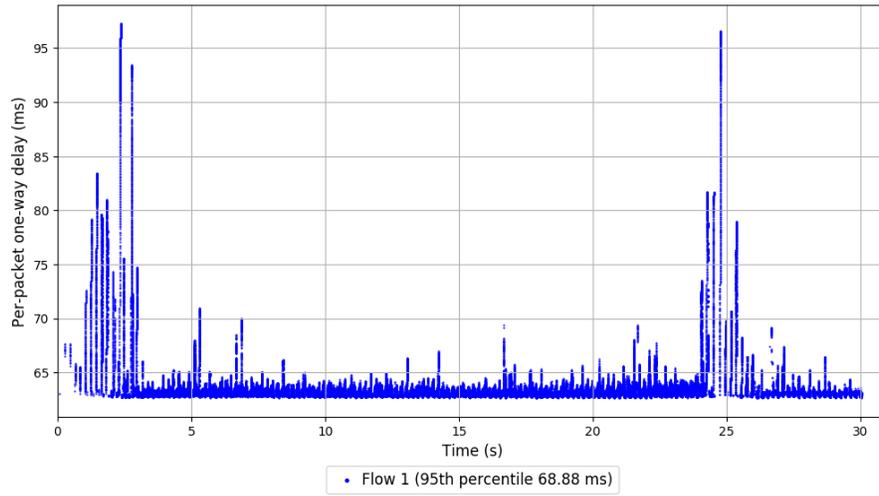
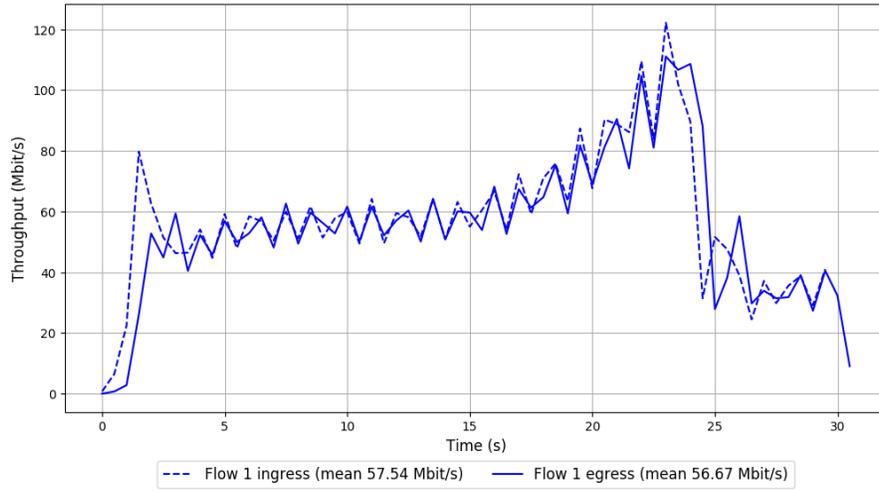


Run 5: Statistics of TCP Cubic

Start at: 2018-08-21 20:59:55
End at: 2018-08-21 21:00:25
Local clock offset: -2.263 ms
Remote clock offset: -36.016 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 1.51%

Run 5: Report of TCP Cubic — Data Link

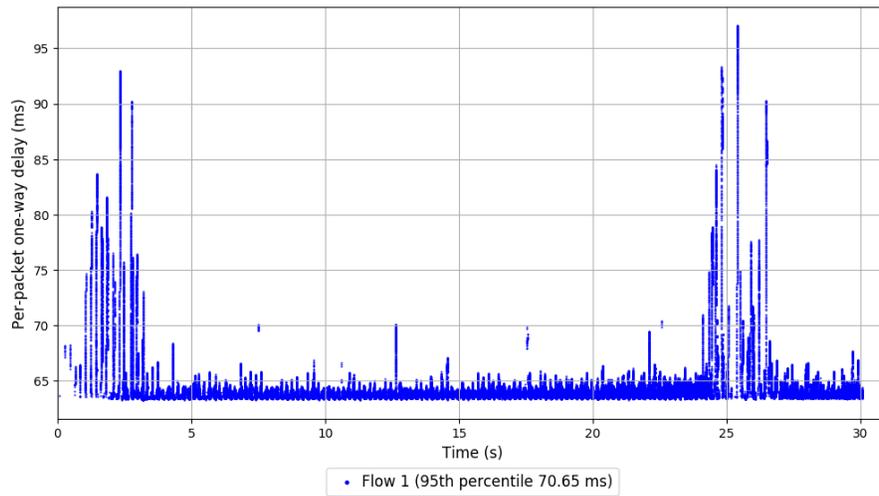
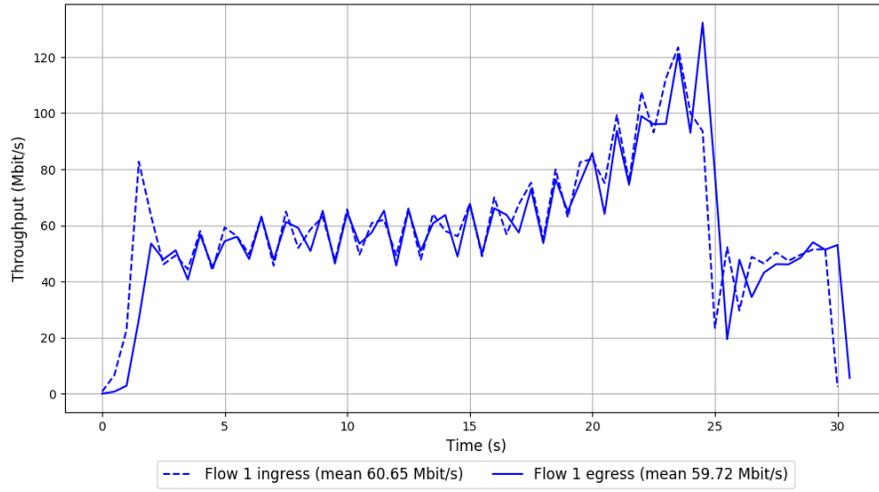


Run 6: Statistics of TCP Cubic

Start at: 2018-08-21 21:22:02
End at: 2018-08-21 21:22:32
Local clock offset: -0.736 ms
Remote clock offset: -34.181 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 70.654 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 70.654 ms
Loss rate: 1.53%

Run 6: Report of TCP Cubic — Data Link

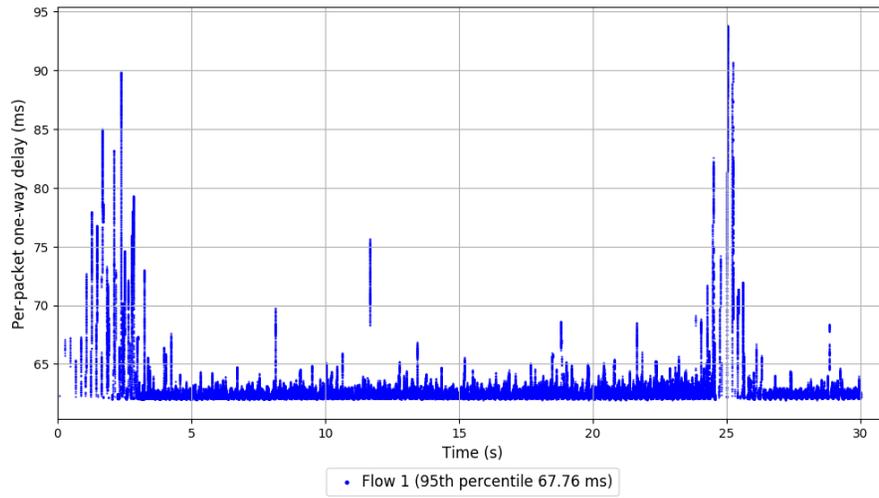
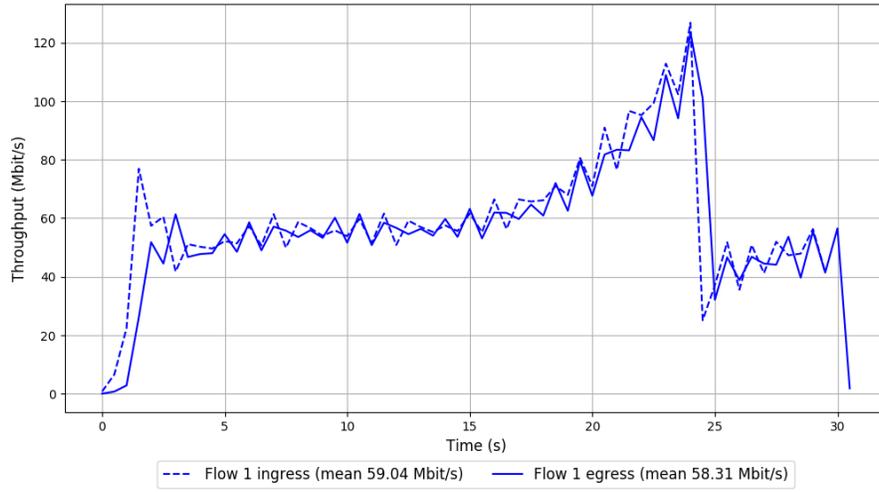


Run 7: Statistics of TCP Cubic

Start at: 2018-08-21 21:44:11
End at: 2018-08-21 21:44:41
Local clock offset: -0.719 ms
Remote clock offset: -39.099 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 67.759 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 67.759 ms
Loss rate: 1.23%

Run 7: Report of TCP Cubic — Data Link

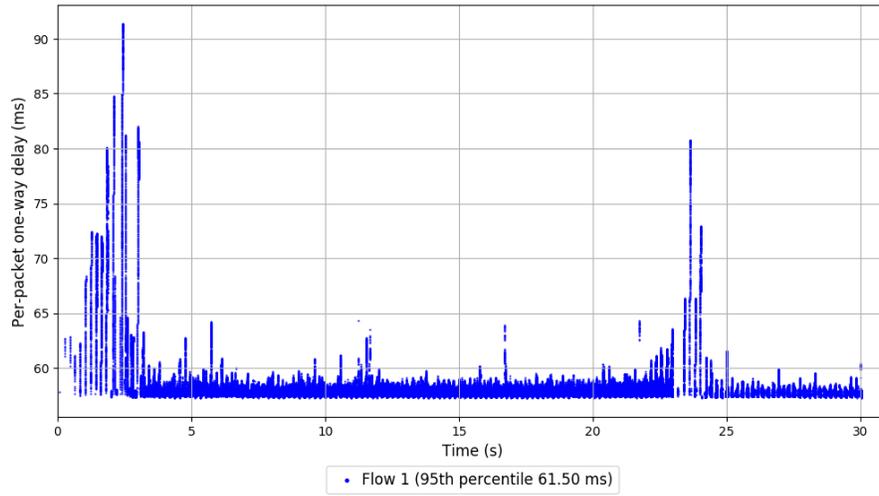
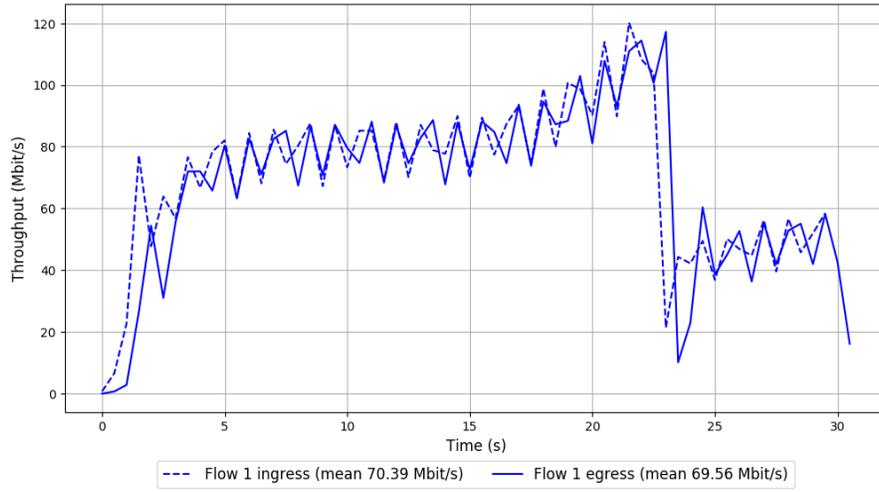


Run 8: Statistics of TCP Cubic

Start at: 2018-08-21 22:06:17
End at: 2018-08-21 22:06:47
Local clock offset: -0.333 ms
Remote clock offset: -41.861 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 61.498 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 61.498 ms
Loss rate: 1.18%

Run 8: Report of TCP Cubic — Data Link

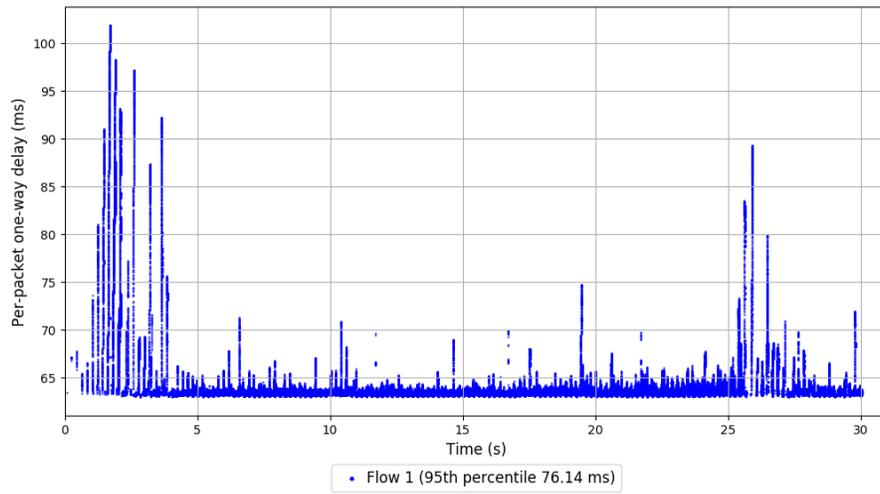
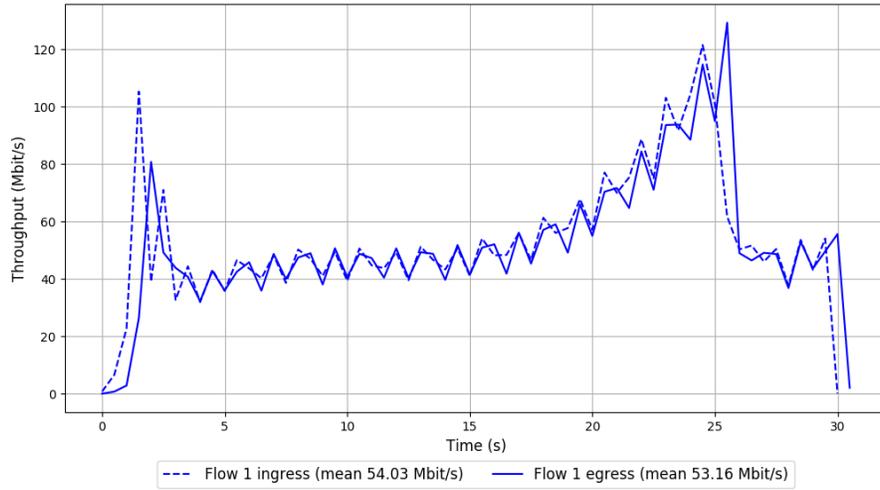


Run 9: Statistics of TCP Cubic

Start at: 2018-08-21 22:34:03
End at: 2018-08-21 22:34:33
Local clock offset: 1.455 ms
Remote clock offset: -35.815 ms

Below is generated by plot.py at 2018-08-21 23:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 76.138 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 76.138 ms
Loss rate: 1.60%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-21 22:56:09

End at: 2018-08-21 22:56:39

Local clock offset: 1.097 ms

Remote clock offset: -34.22 ms

Below is generated by plot.py at 2018-08-21 23:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 76.670 ms

Loss rate: 1.65%

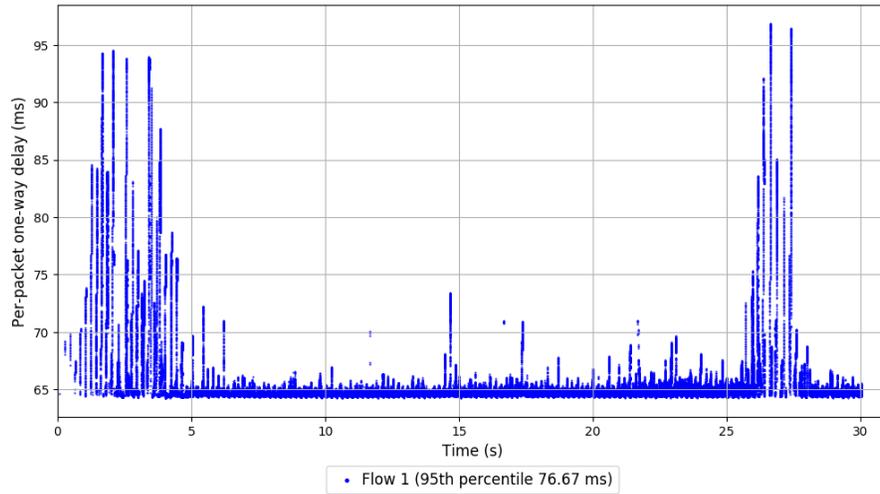
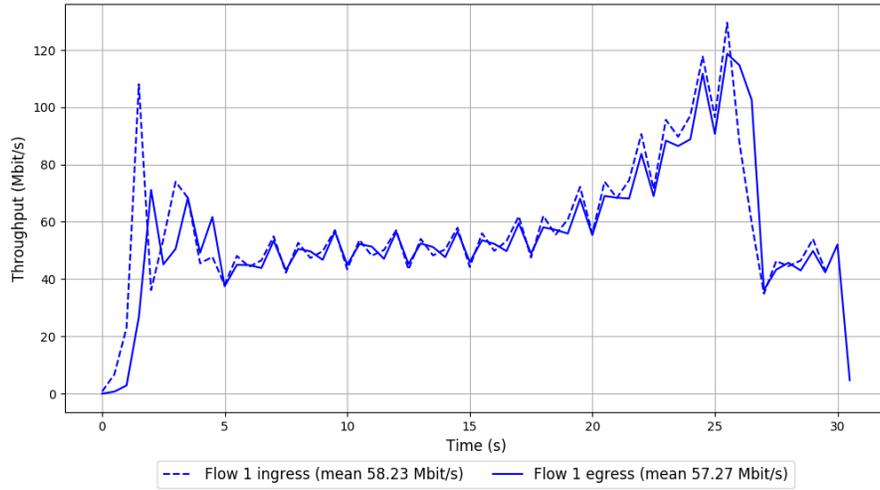
-- Flow 1:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 76.670 ms

Loss rate: 1.65%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-21 19:16:04
End at: 2018-08-21 19:16:34
Local clock offset: -6.174 ms
Remote clock offset: -35.171 ms

Below is generated by plot.py at 2018-08-21 23:17:59

Datalink statistics

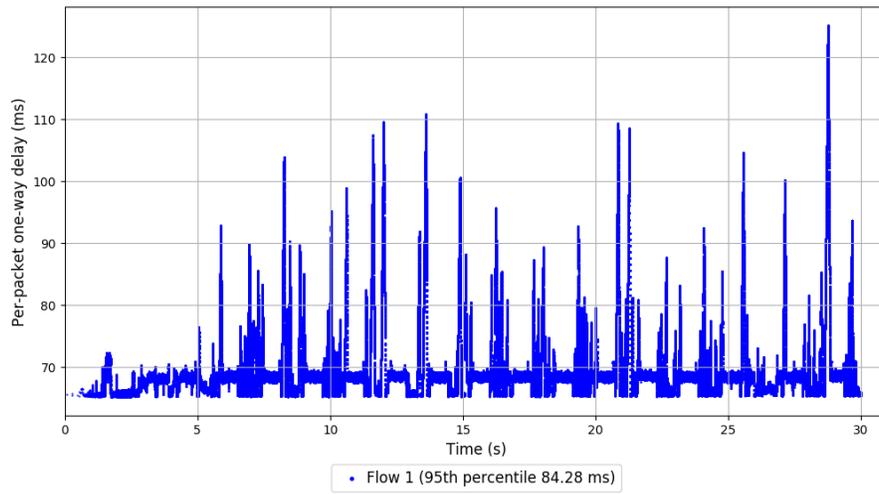
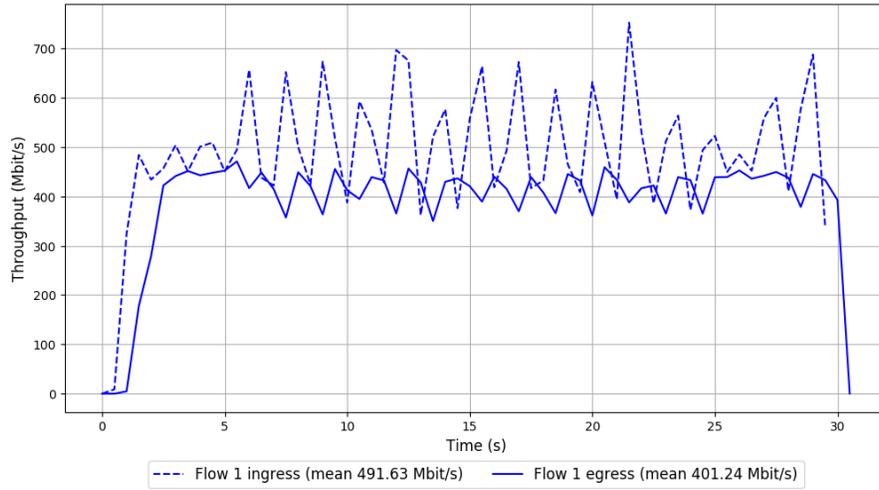
-- Total of 1 flow:

Average throughput: 401.24 Mbit/s
95th percentile per-packet one-way delay: 84.283 ms
Loss rate: 18.39%

-- Flow 1:

Average throughput: 401.24 Mbit/s
95th percentile per-packet one-way delay: 84.283 ms
Loss rate: 18.39%

Run 1: Report of FillP — Data Link

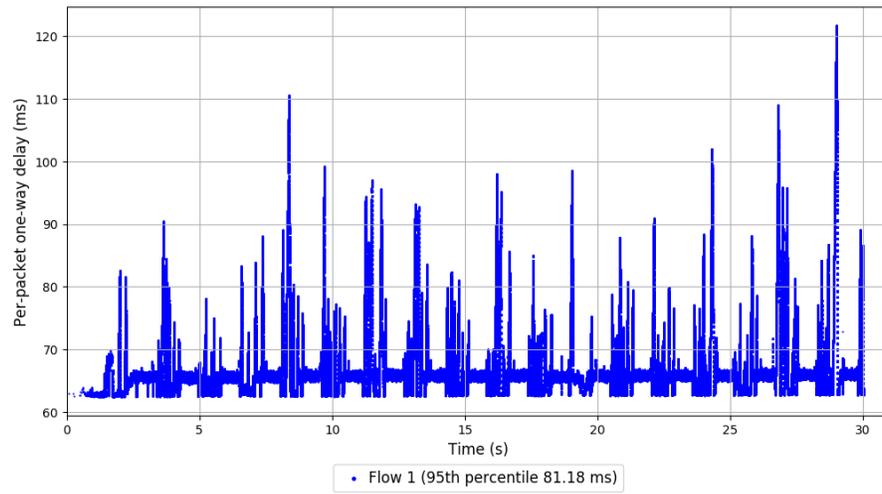
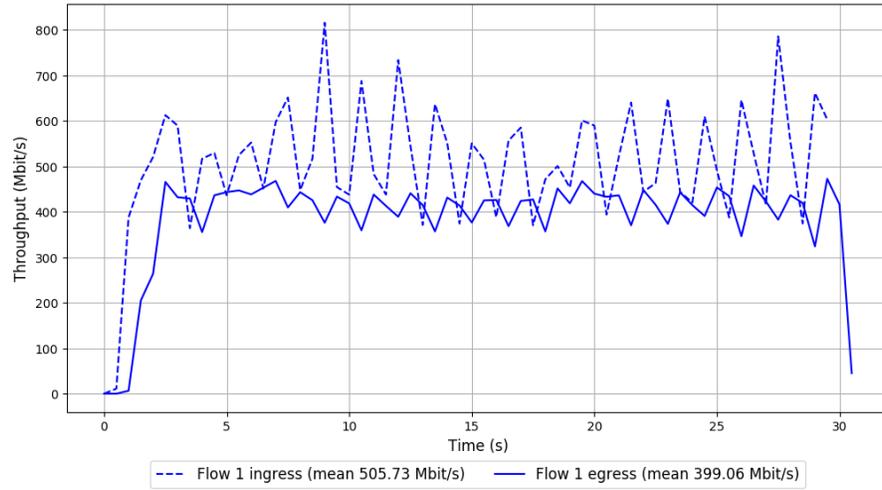


Run 2: Statistics of FillP

Start at: 2018-08-21 19:38:19
End at: 2018-08-21 19:38:49
Local clock offset: -5.721 ms
Remote clock offset: -35.366 ms

Below is generated by plot.py at 2018-08-21 23:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.06 Mbit/s
95th percentile per-packet one-way delay: 81.176 ms
Loss rate: 21.09%
-- Flow 1:
Average throughput: 399.06 Mbit/s
95th percentile per-packet one-way delay: 81.176 ms
Loss rate: 21.09%

Run 2: Report of FillP — Data Link

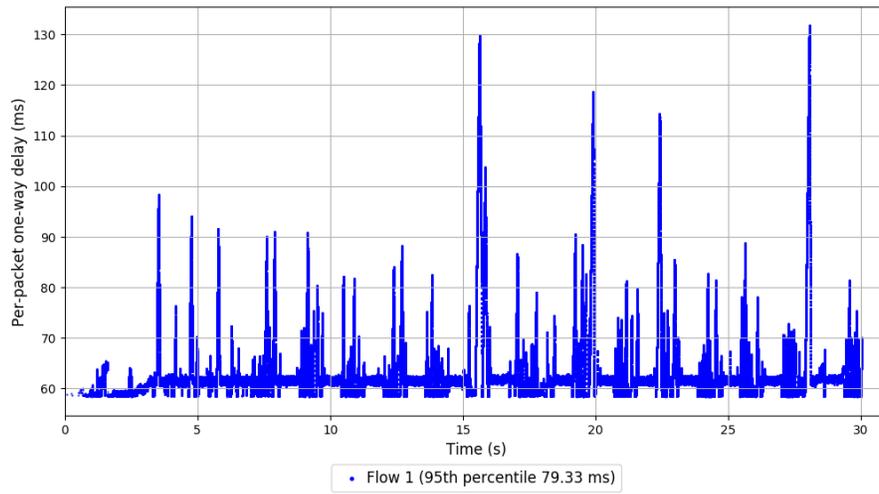
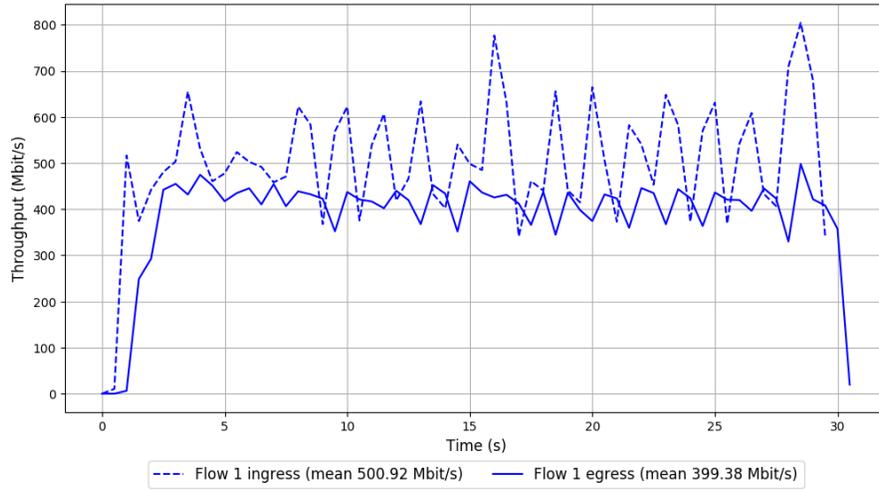


Run 3: Statistics of FillP

Start at: 2018-08-21 20:05:59
End at: 2018-08-21 20:06:29
Local clock offset: 0.357 ms
Remote clock offset: -39.219 ms

Below is generated by plot.py at 2018-08-21 23:18:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.38 Mbit/s
95th percentile per-packet one-way delay: 79.334 ms
Loss rate: 20.27%
-- Flow 1:
Average throughput: 399.38 Mbit/s
95th percentile per-packet one-way delay: 79.334 ms
Loss rate: 20.27%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-21 20:28:08

End at: 2018-08-21 20:28:38

Local clock offset: -2.014 ms

Remote clock offset: -38.9 ms

Below is generated by plot.py at 2018-08-21 23:18:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.75 Mbit/s

95th percentile per-packet one-way delay: 75.408 ms

Loss rate: 20.43%

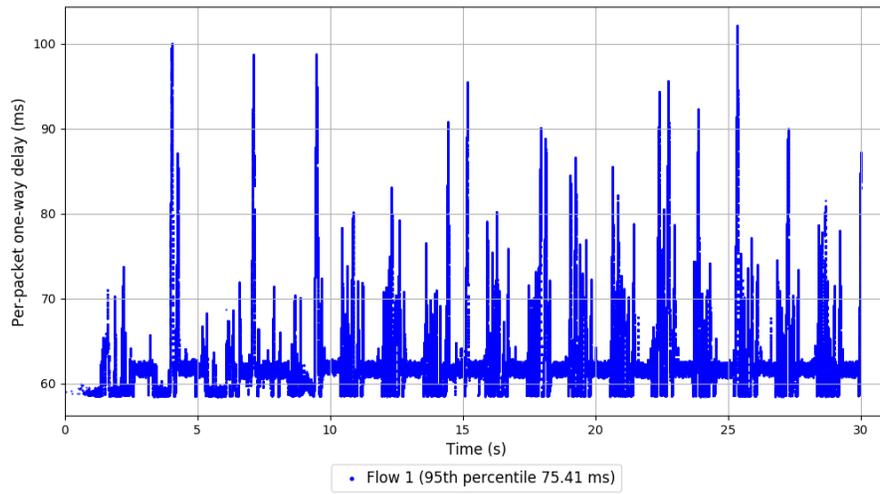
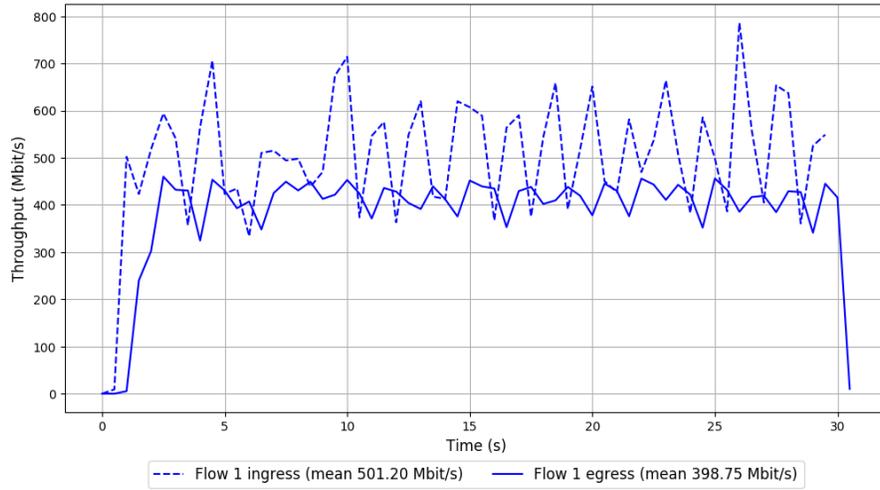
-- Flow 1:

Average throughput: 398.75 Mbit/s

95th percentile per-packet one-way delay: 75.408 ms

Loss rate: 20.43%

Run 4: Report of FillP — Data Link

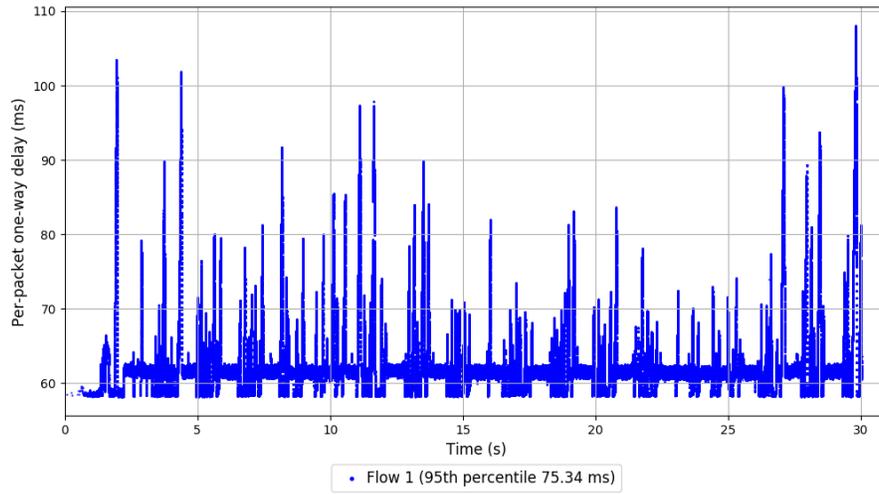
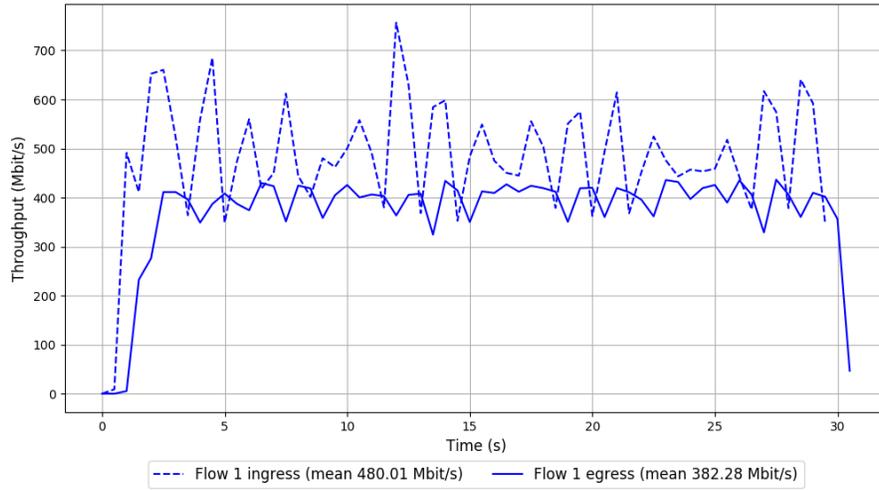


Run 5: Statistics of FillP

Start at: 2018-08-21 20:55:57
End at: 2018-08-21 20:56:27
Local clock offset: 0.104 ms
Remote clock offset: -40.331 ms

Below is generated by plot.py at 2018-08-21 23:18:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.28 Mbit/s
95th percentile per-packet one-way delay: 75.343 ms
Loss rate: 20.35%
-- Flow 1:
Average throughput: 382.28 Mbit/s
95th percentile per-packet one-way delay: 75.343 ms
Loss rate: 20.35%

Run 5: Report of FillP — Data Link

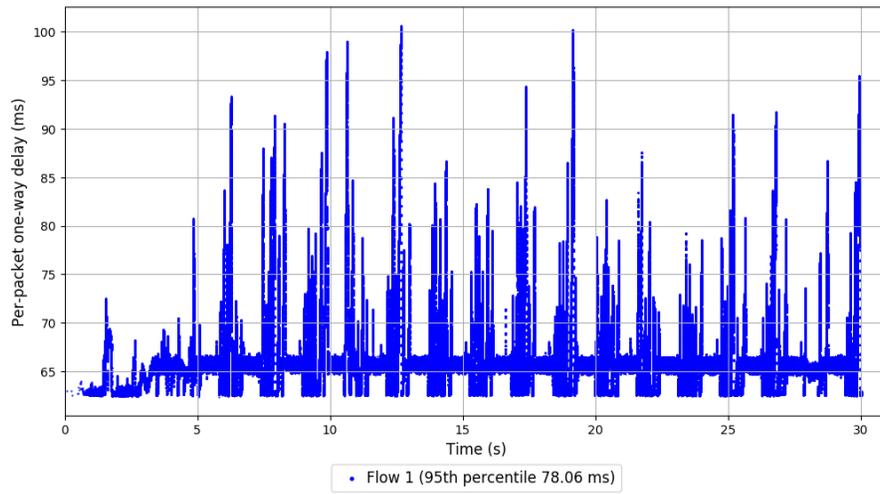
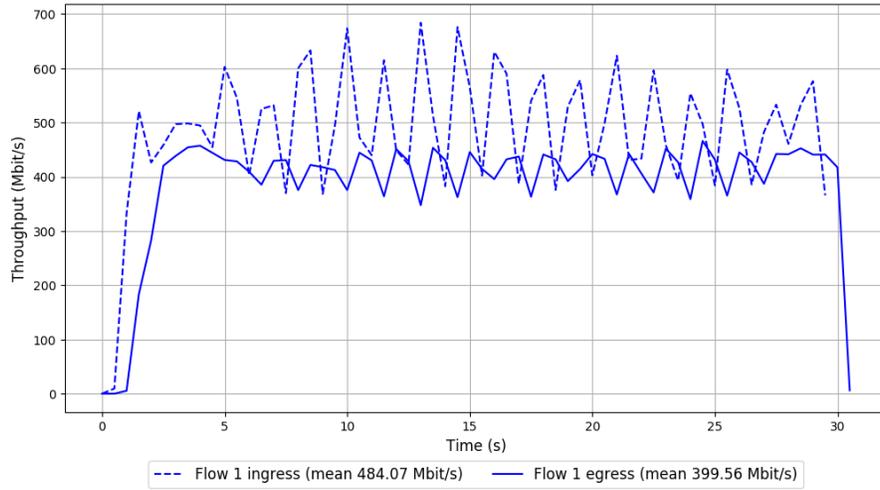


Run 6: Statistics of FillP

Start at: 2018-08-21 21:18:04
End at: 2018-08-21 21:18:34
Local clock offset: 0.722 ms
Remote clock offset: -36.253 ms

Below is generated by plot.py at 2018-08-21 23:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.56 Mbit/s
95th percentile per-packet one-way delay: 78.065 ms
Loss rate: 17.46%
-- Flow 1:
Average throughput: 399.56 Mbit/s
95th percentile per-packet one-way delay: 78.065 ms
Loss rate: 17.46%

Run 6: Report of FillP — Data Link

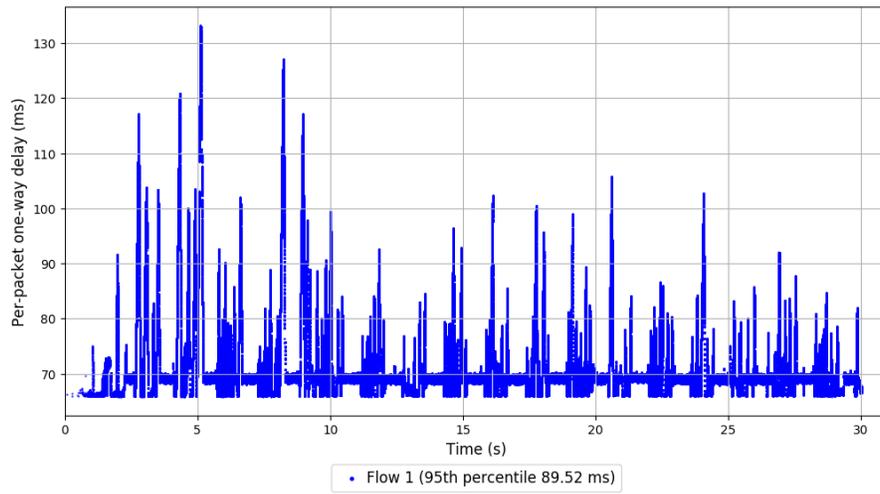
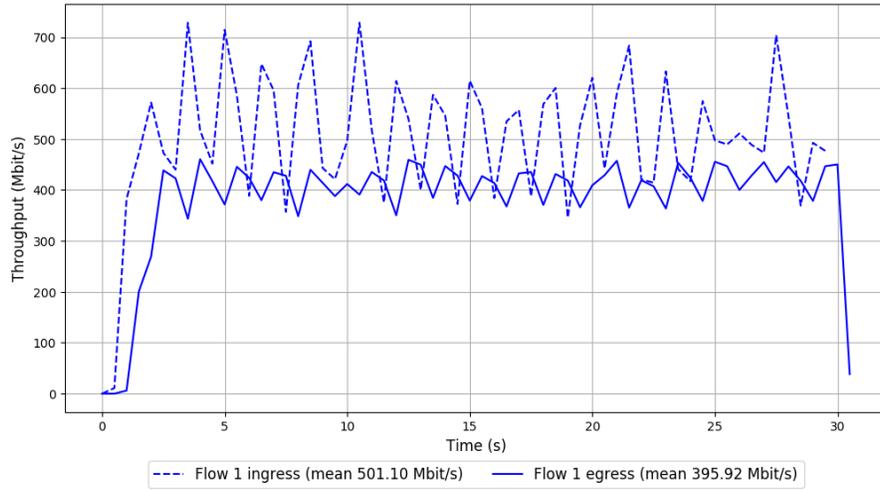


Run 7: Statistics of FillP

Start at: 2018-08-21 21:40:13
End at: 2018-08-21 21:40:43
Local clock offset: -0.955 ms
Remote clock offset: -32.697 ms

Below is generated by plot.py at 2018-08-21 23:18:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.92 Mbit/s
95th percentile per-packet one-way delay: 89.515 ms
Loss rate: 20.99%
-- Flow 1:
Average throughput: 395.92 Mbit/s
95th percentile per-packet one-way delay: 89.515 ms
Loss rate: 20.99%

Run 7: Report of FillP — Data Link

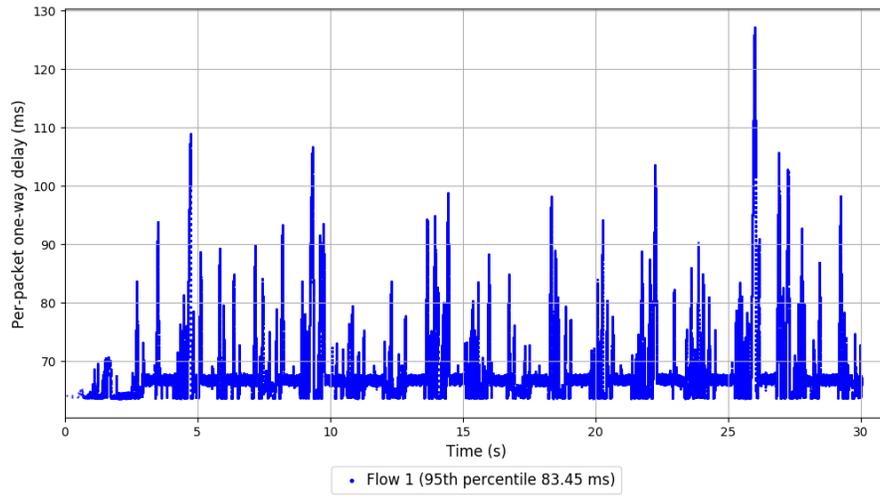
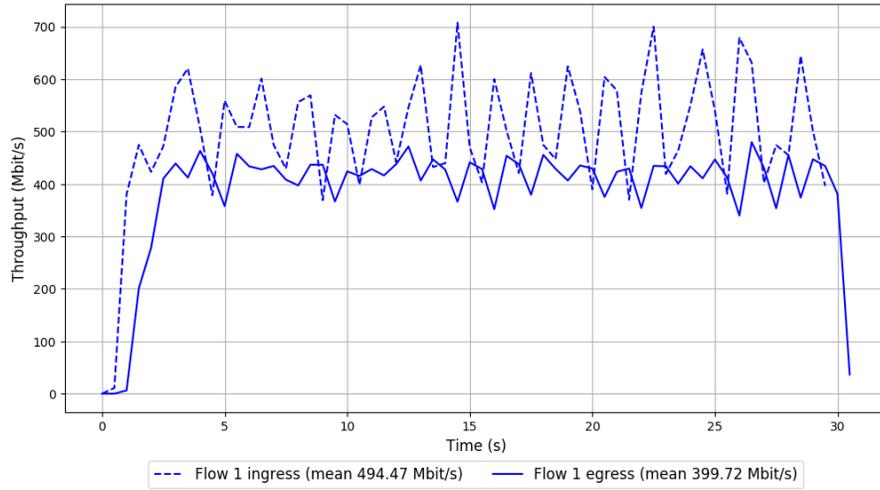


Run 8: Statistics of FillP

Start at: 2018-08-21 22:02:19
End at: 2018-08-21 22:02:49
Local clock offset: 2.664 ms
Remote clock offset: -32.598 ms

Below is generated by plot.py at 2018-08-21 23:19:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.72 Mbit/s
95th percentile per-packet one-way delay: 83.446 ms
Loss rate: 19.16%
-- Flow 1:
Average throughput: 399.72 Mbit/s
95th percentile per-packet one-way delay: 83.446 ms
Loss rate: 19.16%

Run 8: Report of FillP — Data Link

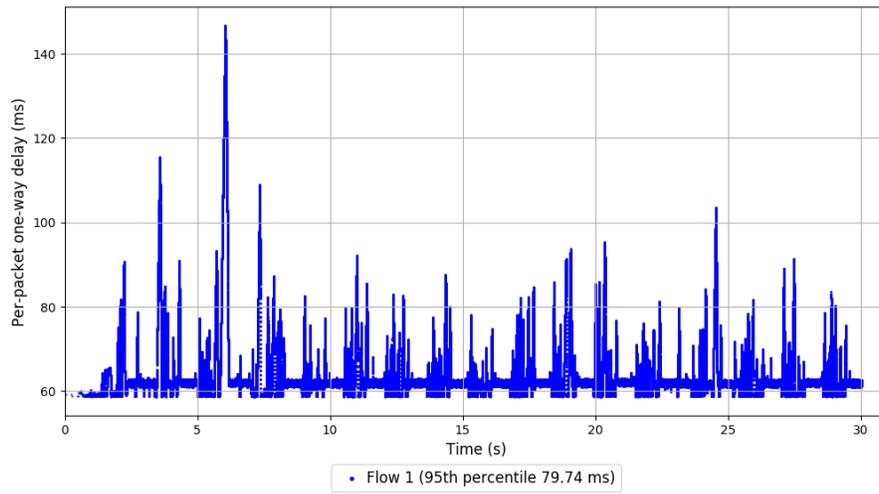
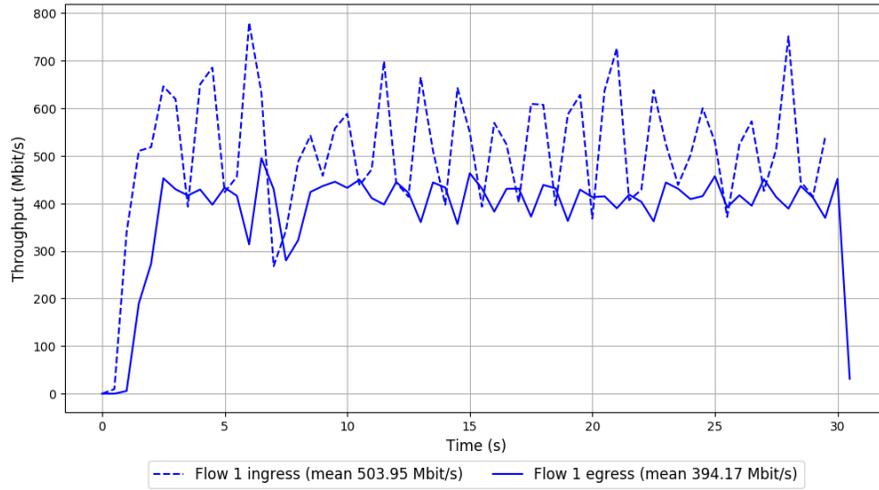


Run 9: Statistics of FillP

Start at: 2018-08-21 22:30:04
End at: 2018-08-21 22:30:34
Local clock offset: 4.328 ms
Remote clock offset: -39.269 ms

Below is generated by plot.py at 2018-08-21 23:23:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 394.17 Mbit/s
95th percentile per-packet one-way delay: 79.743 ms
Loss rate: 21.78%
-- Flow 1:
Average throughput: 394.17 Mbit/s
95th percentile per-packet one-way delay: 79.743 ms
Loss rate: 21.78%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-21 22:52:11

End at: 2018-08-21 22:52:41

Local clock offset: 2.13 ms

Remote clock offset: -39.948 ms

Below is generated by plot.py at 2018-08-21 23:24:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.84 Mbit/s

95th percentile per-packet one-way delay: 84.927 ms

Loss rate: 21.80%

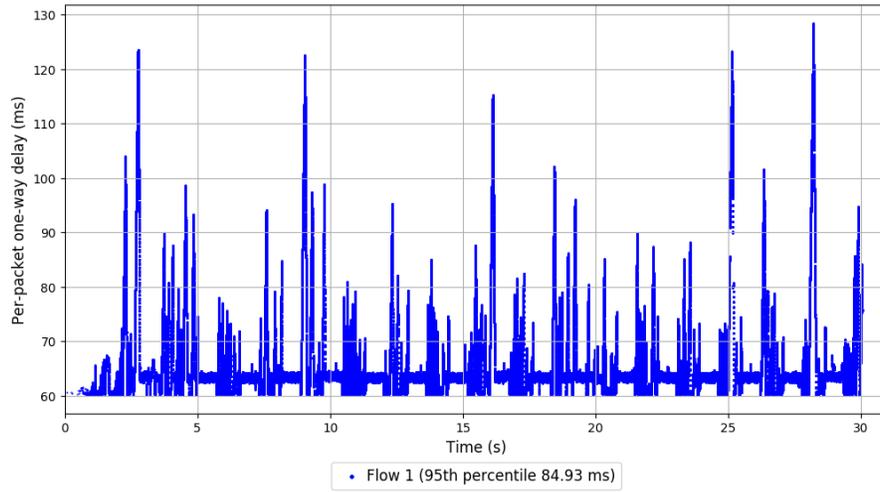
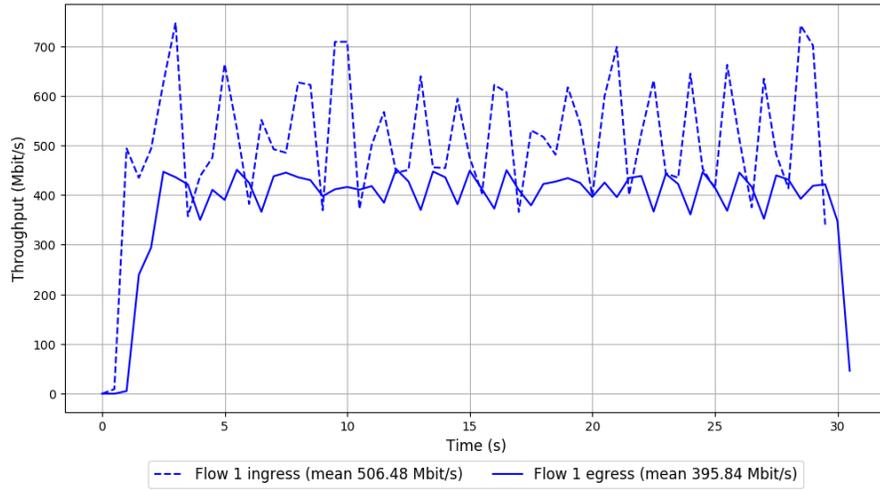
-- Flow 1:

Average throughput: 395.84 Mbit/s

95th percentile per-packet one-way delay: 84.927 ms

Loss rate: 21.80%

Run 10: Report of FillP — Data Link

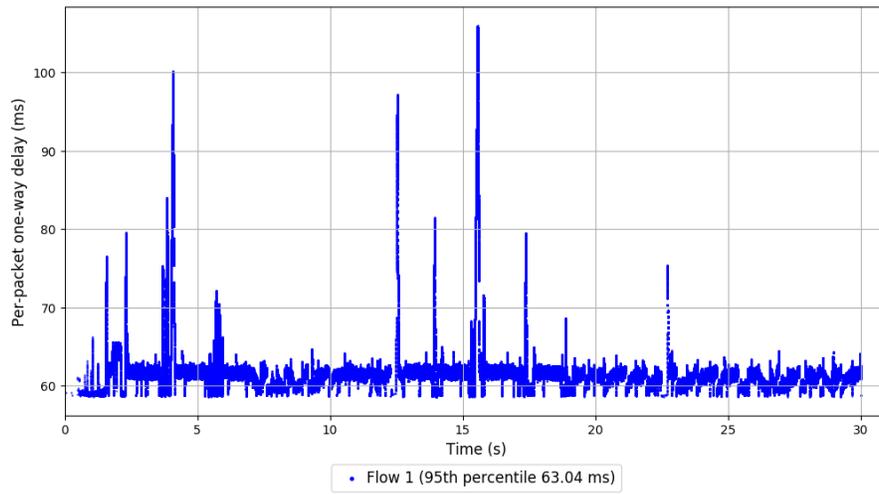
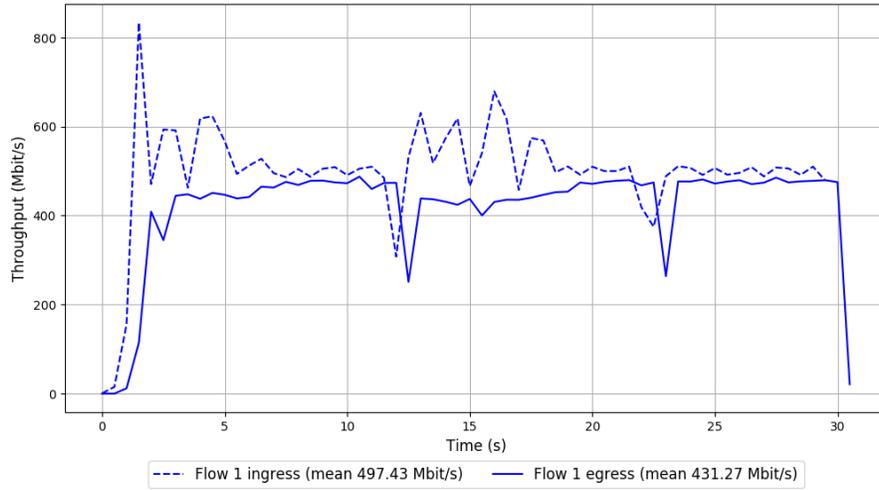


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-21 18:59:50
End at: 2018-08-21 19:00:20
Local clock offset: -11.136 ms
Remote clock offset: -39.542 ms

Below is generated by plot.py at 2018-08-21 23:24:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.27 Mbit/s
95th percentile per-packet one-way delay: 63.040 ms
Loss rate: 13.30%
-- Flow 1:
Average throughput: 431.27 Mbit/s
95th percentile per-packet one-way delay: 63.040 ms
Loss rate: 13.30%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-21 19:27:34

End at: 2018-08-21 19:28:04

Local clock offset: -5.631 ms

Remote clock offset: -38.217 ms

Below is generated by plot.py at 2018-08-21 23:24:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 420.76 Mbit/s

95th percentile per-packet one-way delay: 74.127 ms

Loss rate: 19.04%

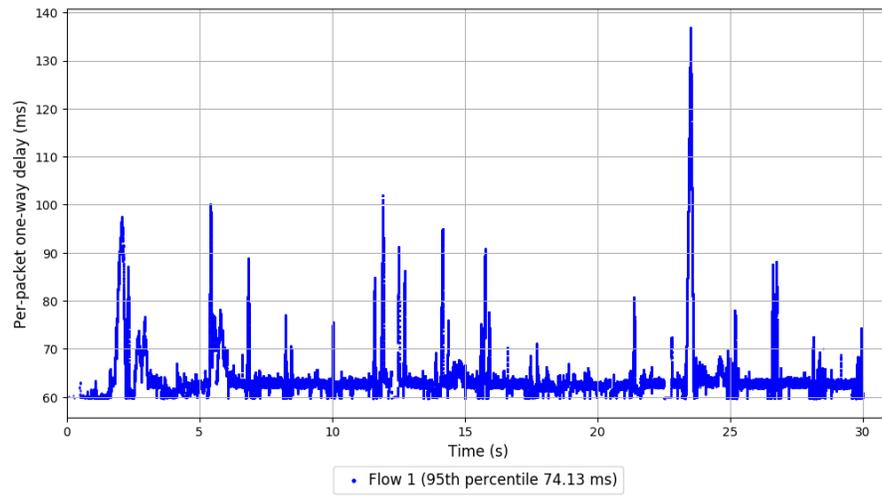
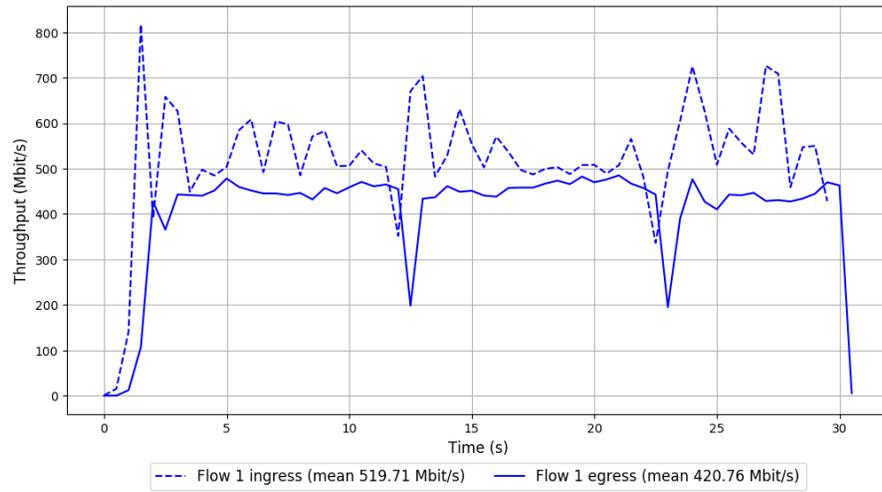
-- Flow 1:

Average throughput: 420.76 Mbit/s

95th percentile per-packet one-way delay: 74.127 ms

Loss rate: 19.04%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-21 19:49:45

End at: 2018-08-21 19:50:15

Local clock offset: 0.282 ms

Remote clock offset: -38.433 ms

Below is generated by plot.py at 2018-08-21 23:24:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.76 Mbit/s

95th percentile per-packet one-way delay: 67.037 ms

Loss rate: 18.67%

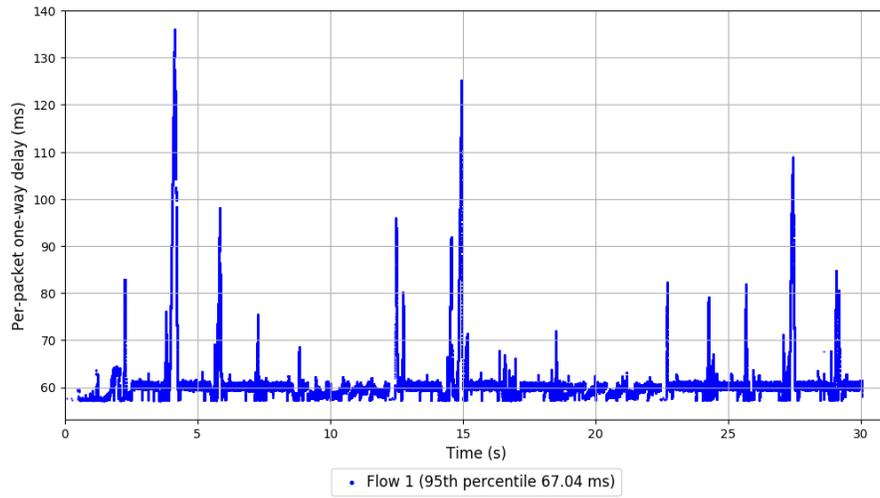
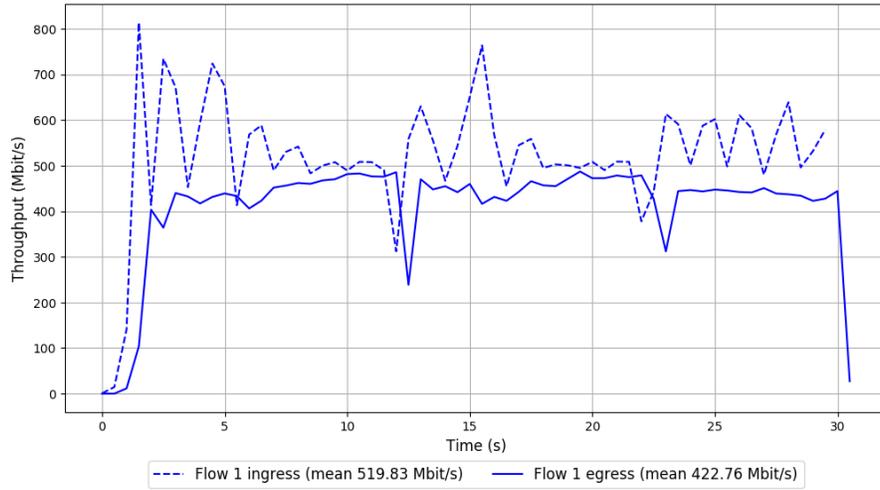
-- Flow 1:

Average throughput: 422.76 Mbit/s

95th percentile per-packet one-way delay: 67.037 ms

Loss rate: 18.67%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-21 20:17:29

End at: 2018-08-21 20:17:59

Local clock offset: -1.75 ms

Remote clock offset: -38.764 ms

Below is generated by plot.py at 2018-08-21 23:24:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.09 Mbit/s

95th percentile per-packet one-way delay: 62.829 ms

Loss rate: 13.03%

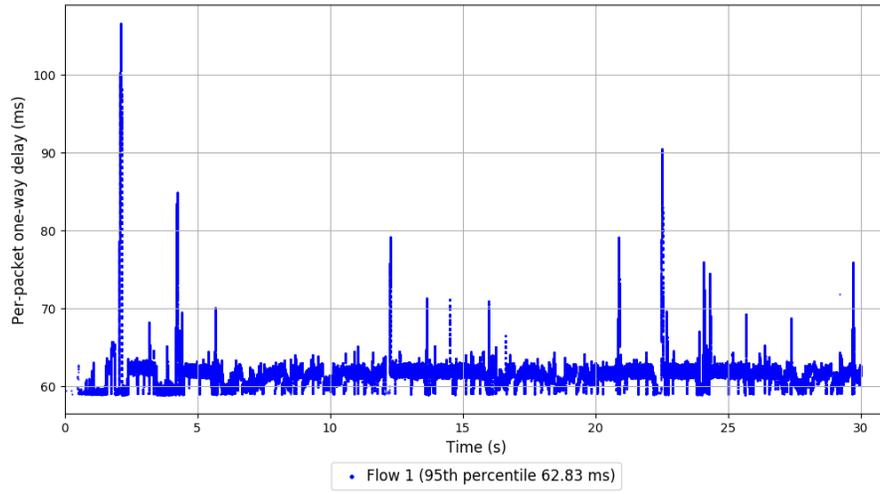
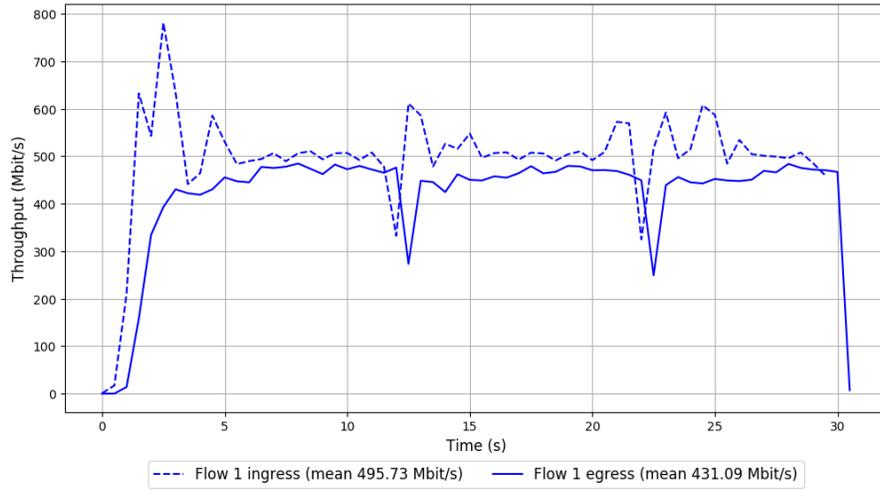
-- Flow 1:

Average throughput: 431.09 Mbit/s

95th percentile per-packet one-way delay: 62.829 ms

Loss rate: 13.03%

Run 4: Report of FillP-Sheep — Data Link

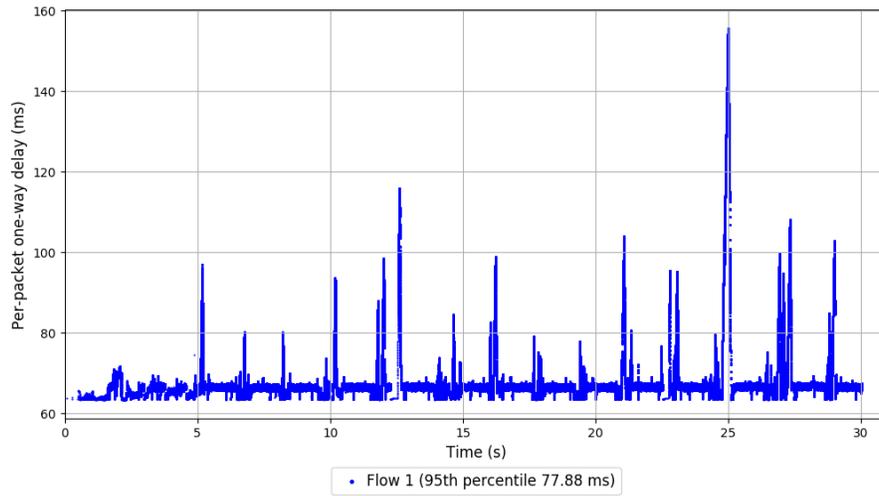
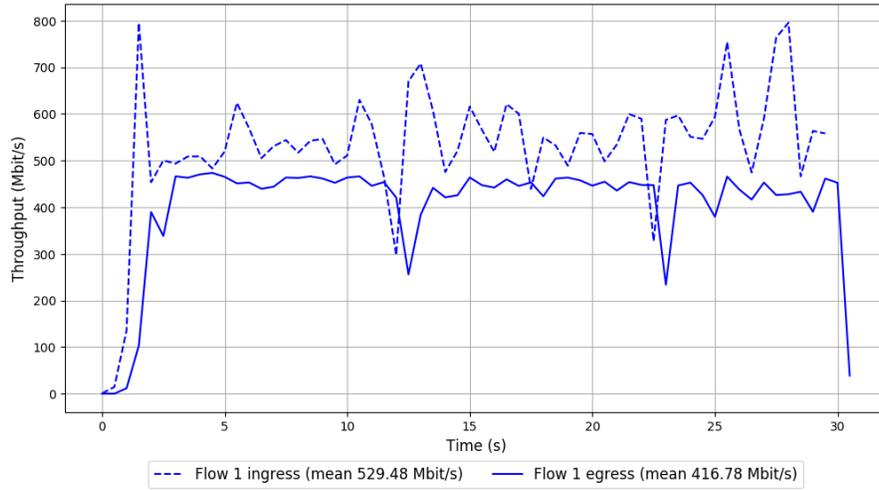


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-21 20:39:37
End at: 2018-08-21 20:40:07
Local clock offset: -4.421 ms
Remote clock offset: -39.023 ms

```
# Below is generated by plot.py at 2018-08-21 23:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 416.78 Mbit/s
95th percentile per-packet one-way delay: 77.884 ms
Loss rate: 21.28%
-- Flow 1:
Average throughput: 416.78 Mbit/s
95th percentile per-packet one-way delay: 77.884 ms
Loss rate: 21.28%
```

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-21 21:07:23

End at: 2018-08-21 21:07:53

Local clock offset: -0.843 ms

Remote clock offset: -35.259 ms

Below is generated by plot.py at 2018-08-21 23:25:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.49 Mbit/s

95th percentile per-packet one-way delay: 70.623 ms

Loss rate: 17.61%

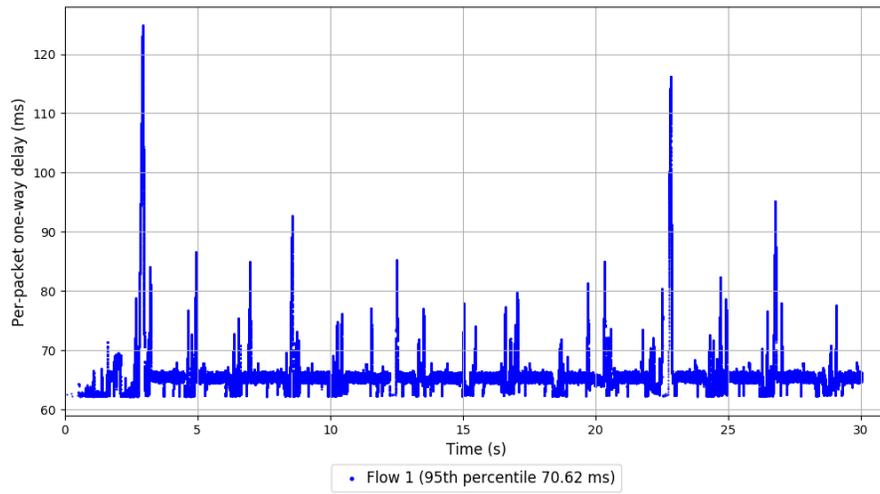
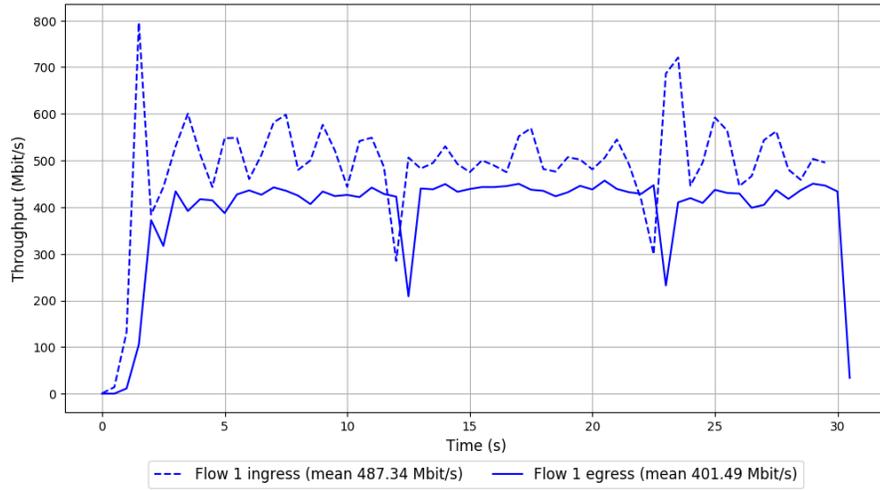
-- Flow 1:

Average throughput: 401.49 Mbit/s

95th percentile per-packet one-way delay: 70.623 ms

Loss rate: 17.61%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-21 21:29:30

End at: 2018-08-21 21:30:00

Local clock offset: -2.04 ms

Remote clock offset: -39.604 ms

Below is generated by plot.py at 2018-08-21 23:30:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 428.80 Mbit/s

95th percentile per-packet one-way delay: 64.907 ms

Loss rate: 14.32%

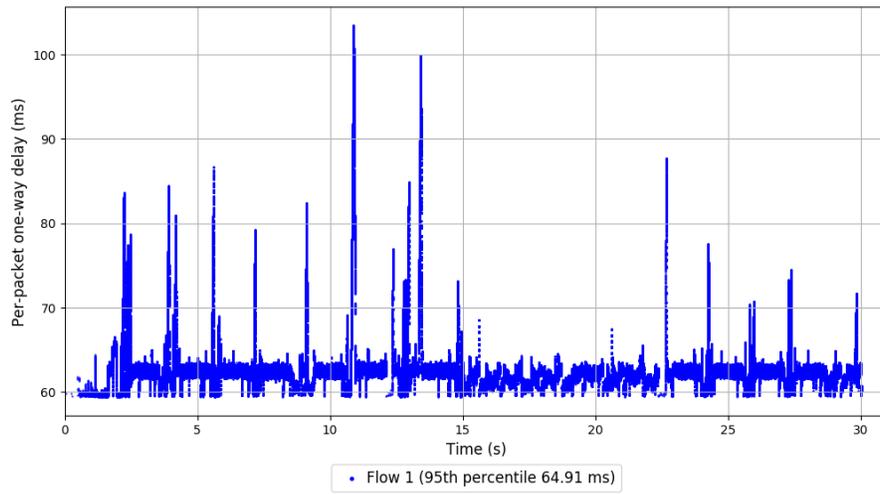
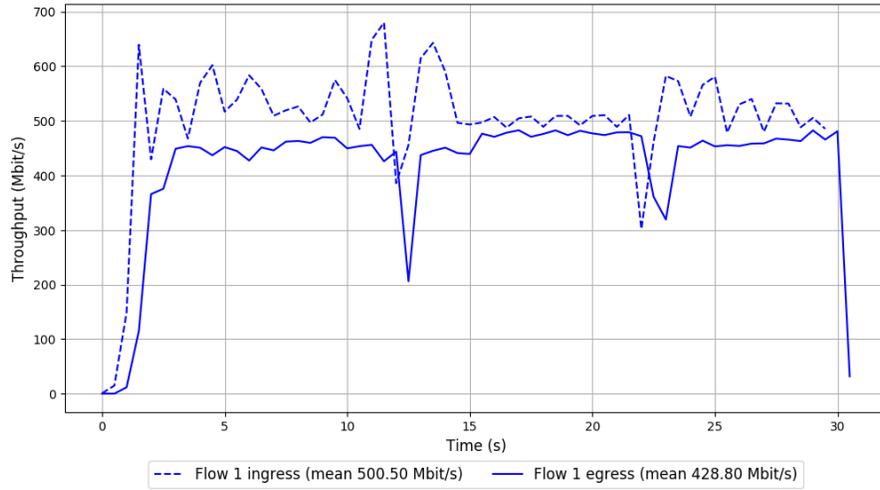
-- Flow 1:

Average throughput: 428.80 Mbit/s

95th percentile per-packet one-way delay: 64.907 ms

Loss rate: 14.32%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-21 21:51:39

End at: 2018-08-21 21:52:09

Local clock offset: 1.421 ms

Remote clock offset: -39.286 ms

Below is generated by plot.py at 2018-08-21 23:30:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.94 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 17.04%

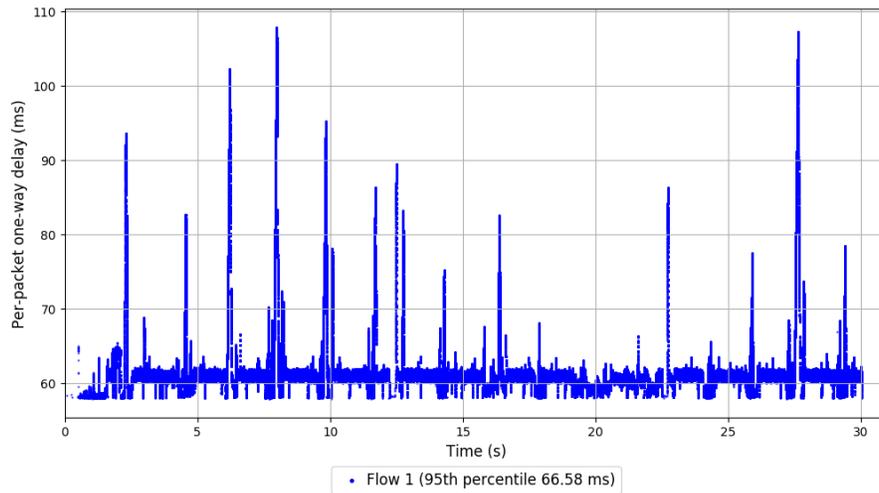
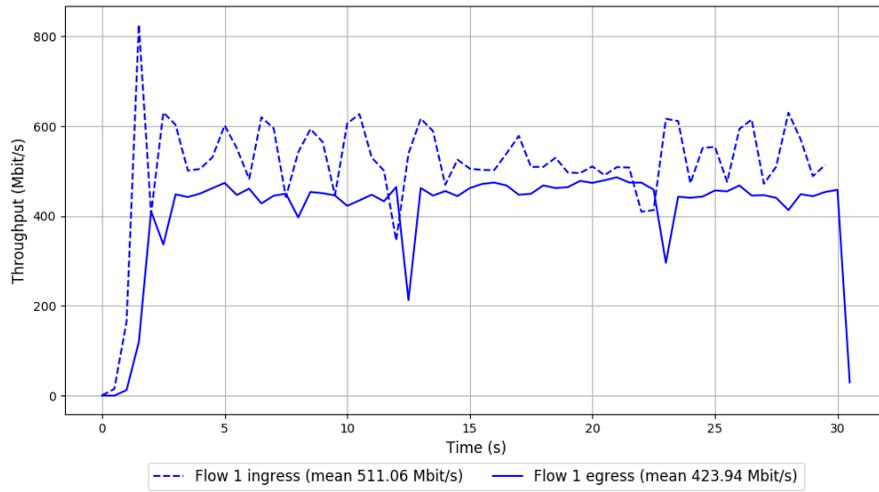
-- Flow 1:

Average throughput: 423.94 Mbit/s

95th percentile per-packet one-way delay: 66.581 ms

Loss rate: 17.04%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-21 22:13:46

End at: 2018-08-21 22:14:16

Local clock offset: 0.606 ms

Remote clock offset: -39.256 ms

Below is generated by plot.py at 2018-08-21 23:30:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.16 Mbit/s

95th percentile per-packet one-way delay: 70.742 ms

Loss rate: 18.93%

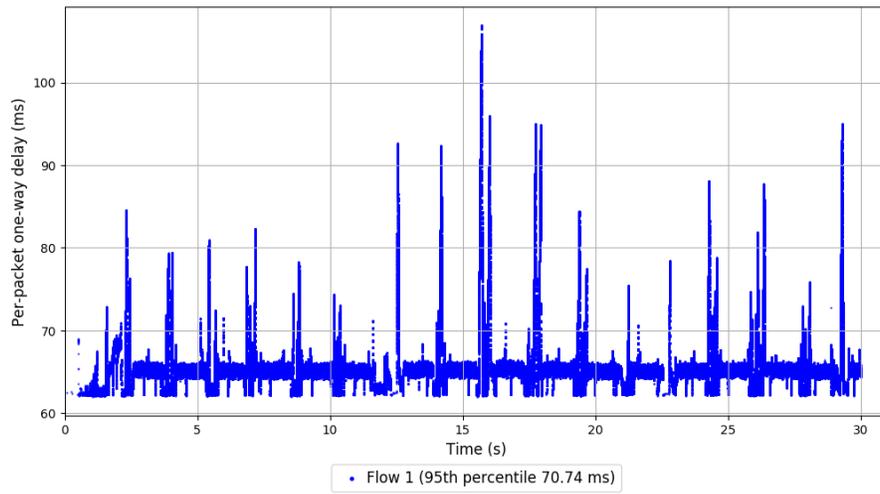
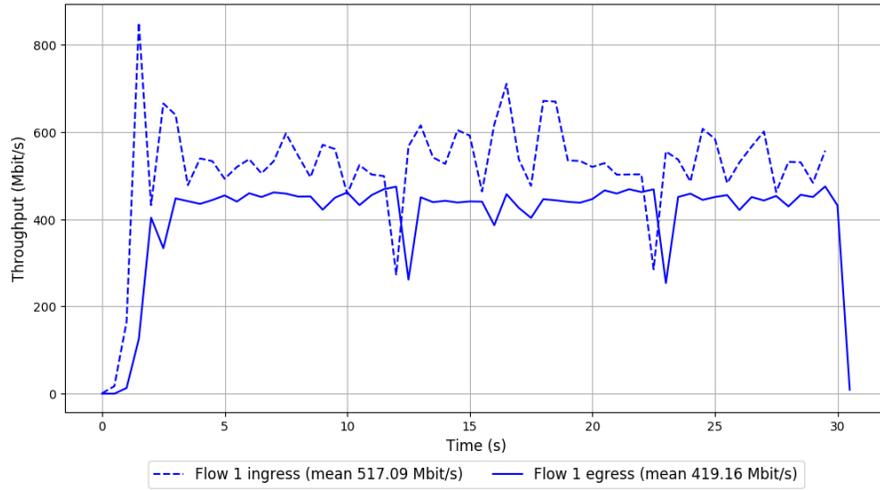
-- Flow 1:

Average throughput: 419.16 Mbit/s

95th percentile per-packet one-way delay: 70.742 ms

Loss rate: 18.93%

Run 9: Report of FillP-Sheep — Data Link

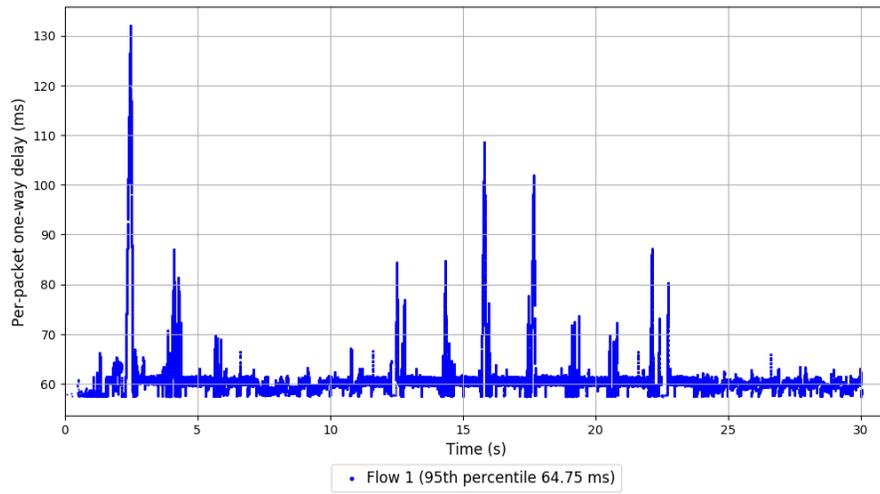
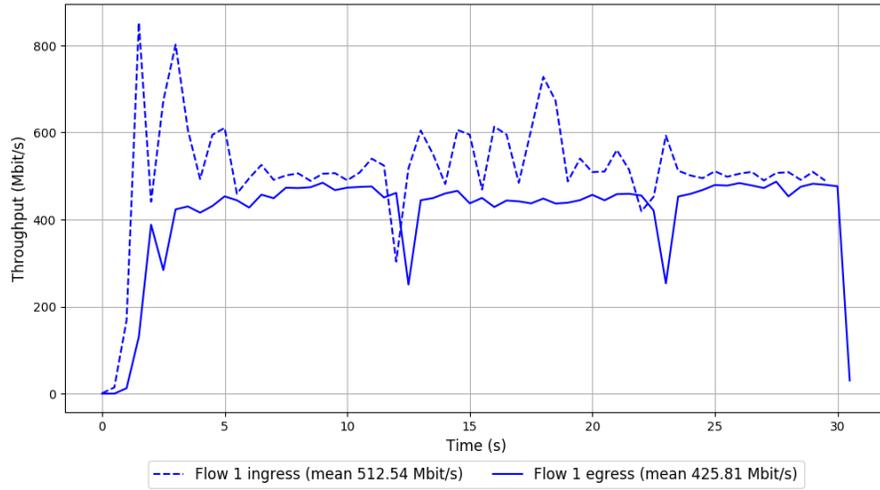


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-21 22:41:30
End at: 2018-08-21 22:42:00
Local clock offset: 2.84 ms
Remote clock offset: -39.557 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.81 Mbit/s
95th percentile per-packet one-way delay: 64.755 ms
Loss rate: 16.92%
-- Flow 1:
Average throughput: 425.81 Mbit/s
95th percentile per-packet one-way delay: 64.755 ms
Loss rate: 16.92%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-21 19:21:14
End at: 2018-08-21 19:21:44
Local clock offset: -3.87 ms
Remote clock offset: -39.609 ms

Below is generated by plot.py at 2018-08-21 23:30:33

Datalink statistics

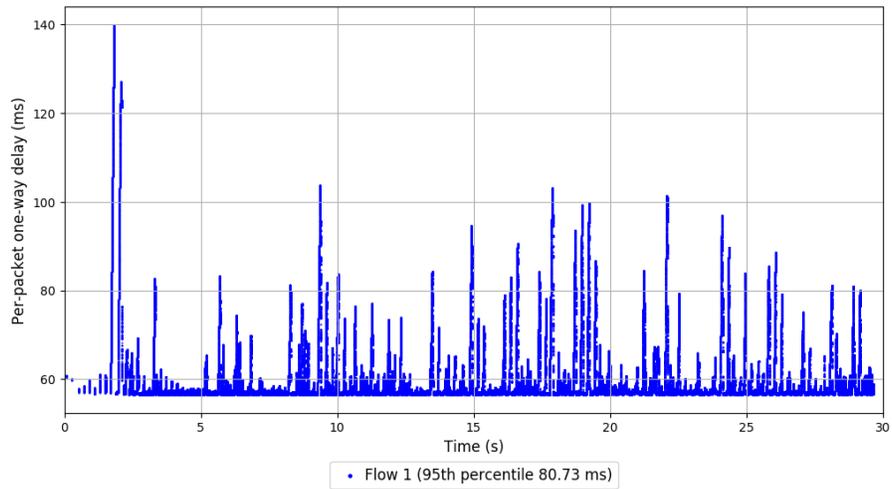
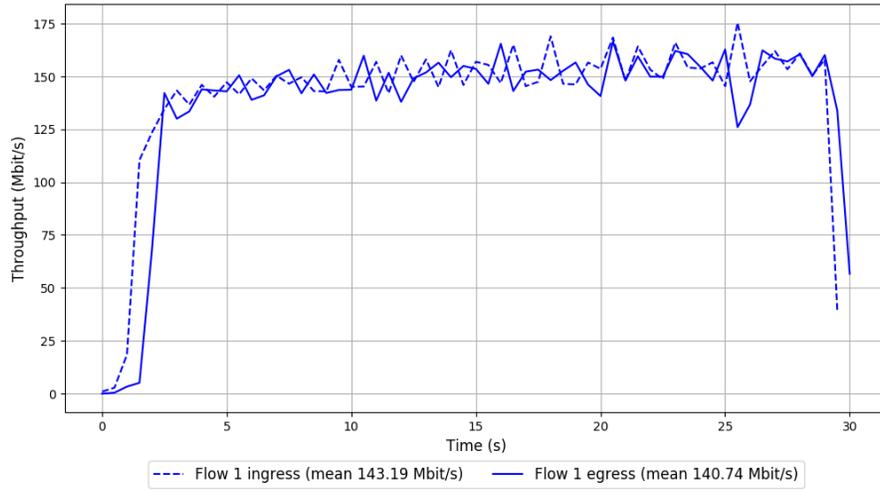
-- Total of 1 flow:

Average throughput: 140.74 Mbit/s
95th percentile per-packet one-way delay: 80.735 ms
Loss rate: 1.72%

-- Flow 1:

Average throughput: 140.74 Mbit/s
95th percentile per-packet one-way delay: 80.735 ms
Loss rate: 1.72%

Run 1: Report of Indigo — Data Link

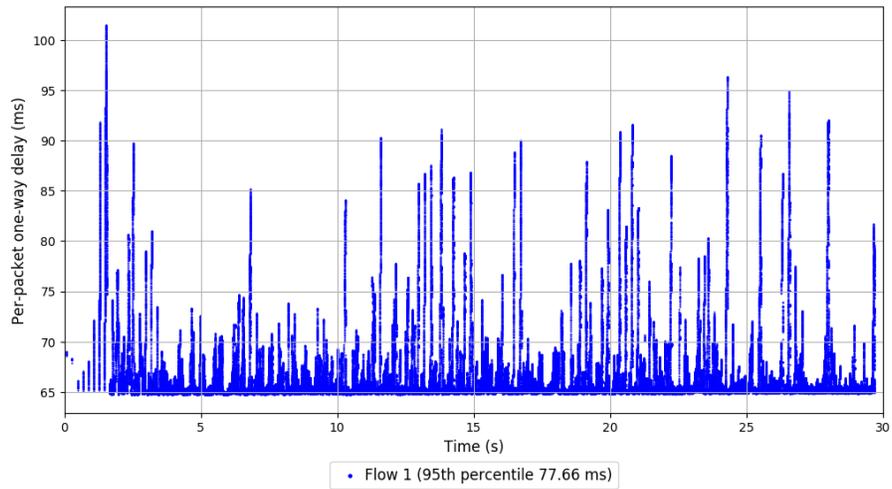
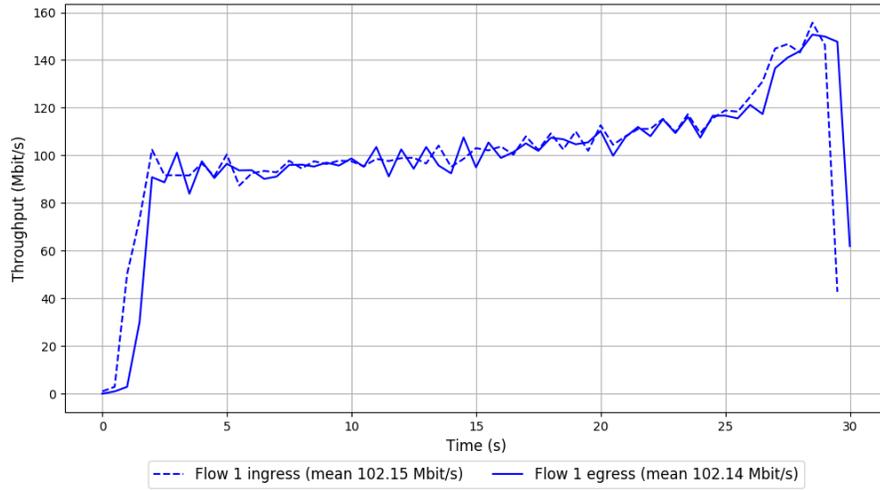


Run 2: Statistics of Indigo

Start at: 2018-08-21 19:43:29
End at: 2018-08-21 19:43:59
Local clock offset: -1.904 ms
Remote clock offset: -33.912 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.14 Mbit/s
95th percentile per-packet one-way delay: 77.662 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 102.14 Mbit/s
95th percentile per-packet one-way delay: 77.662 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link

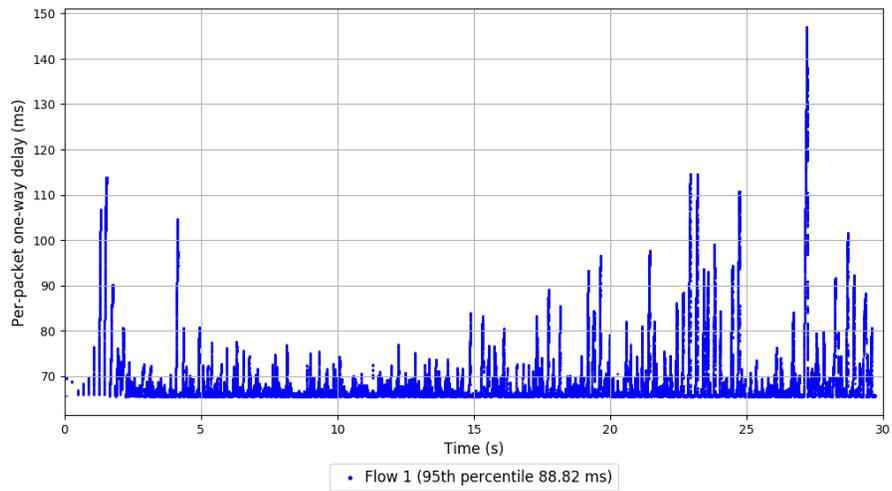
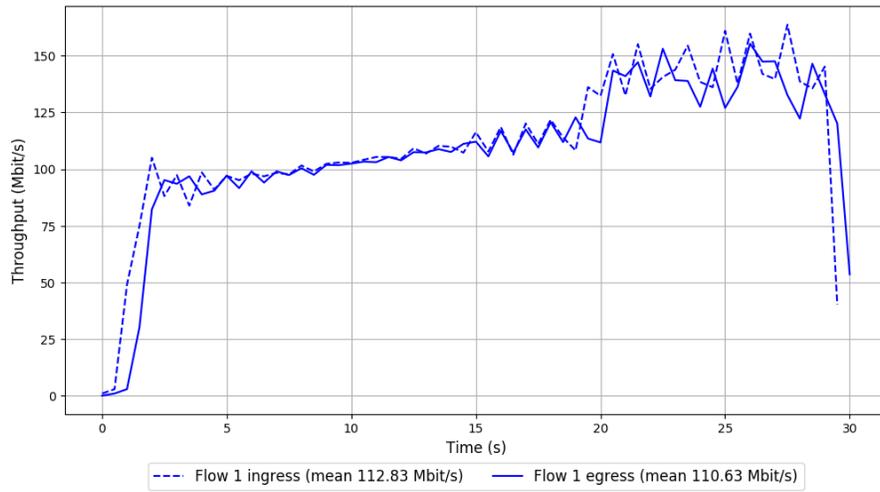


Run 3: Statistics of Indigo

Start at: 2018-08-21 20:11:11
End at: 2018-08-21 20:11:41
Local clock offset: -2.842 ms
Remote clock offset: -33.532 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.63 Mbit/s
95th percentile per-packet one-way delay: 88.819 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 110.63 Mbit/s
95th percentile per-packet one-way delay: 88.819 ms
Loss rate: 1.95%

Run 3: Report of Indigo — Data Link

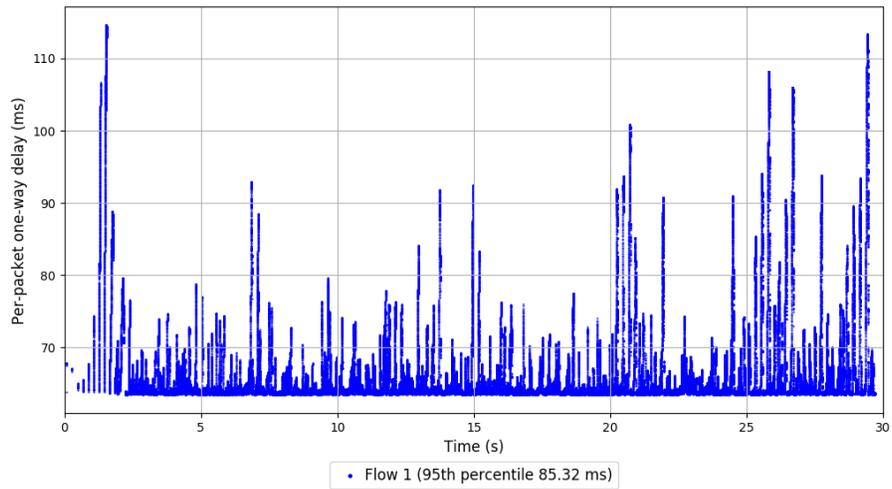
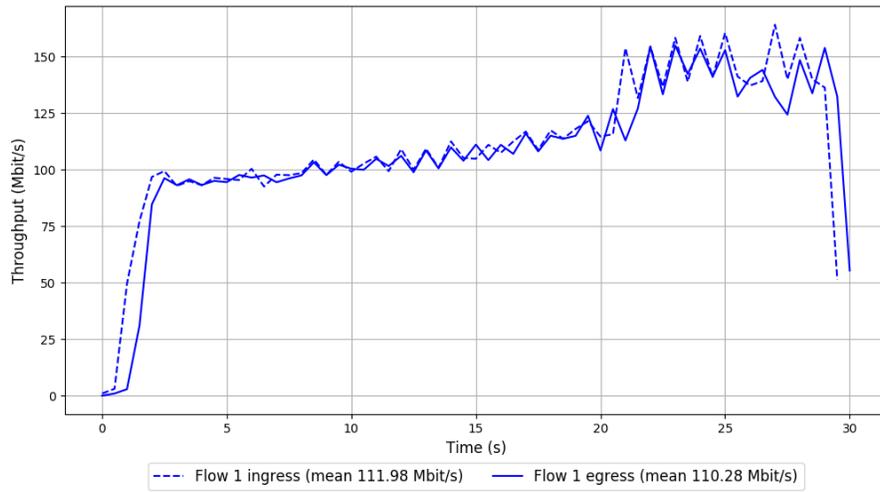


Run 4: Statistics of Indigo

Start at: 2018-08-21 20:33:19
End at: 2018-08-21 20:33:49
Local clock offset: -2.284 ms
Remote clock offset: -34.116 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.28 Mbit/s
95th percentile per-packet one-way delay: 85.322 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 110.28 Mbit/s
95th percentile per-packet one-way delay: 85.322 ms
Loss rate: 1.52%
```

Run 4: Report of Indigo — Data Link

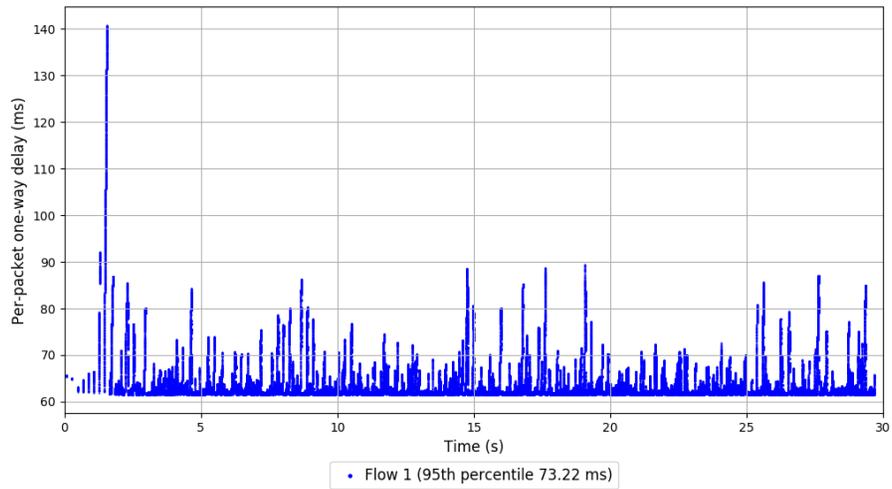
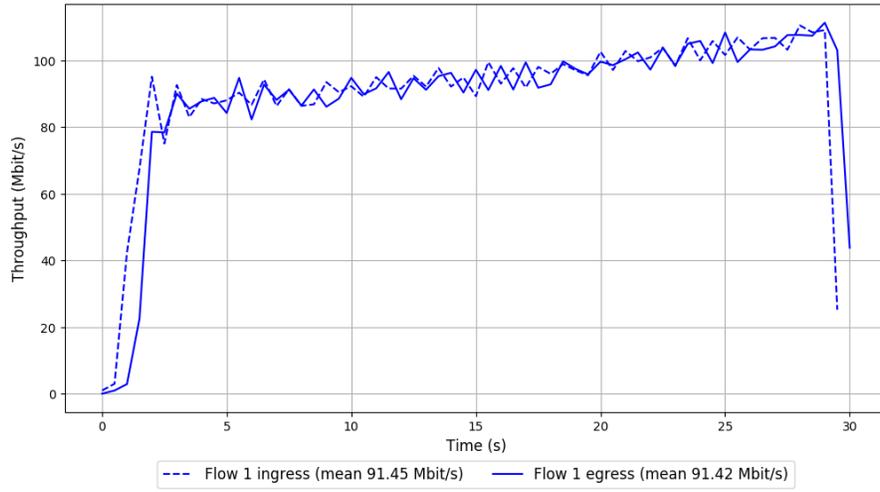


Run 5: Statistics of Indigo

Start at: 2018-08-21 21:01:07
End at: 2018-08-21 21:01:37
Local clock offset: -0.825 ms
Remote clock offset: -35.731 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 73.217 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 73.217 ms
Loss rate: 0.05%

Run 5: Report of Indigo — Data Link

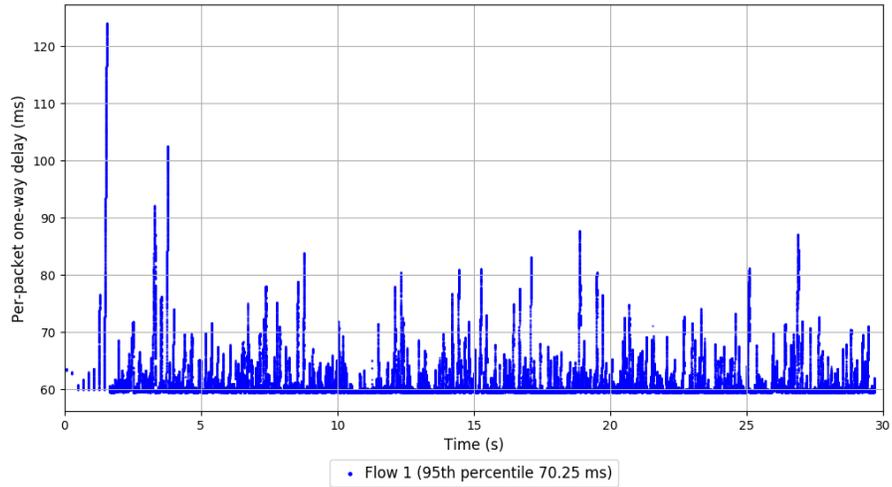
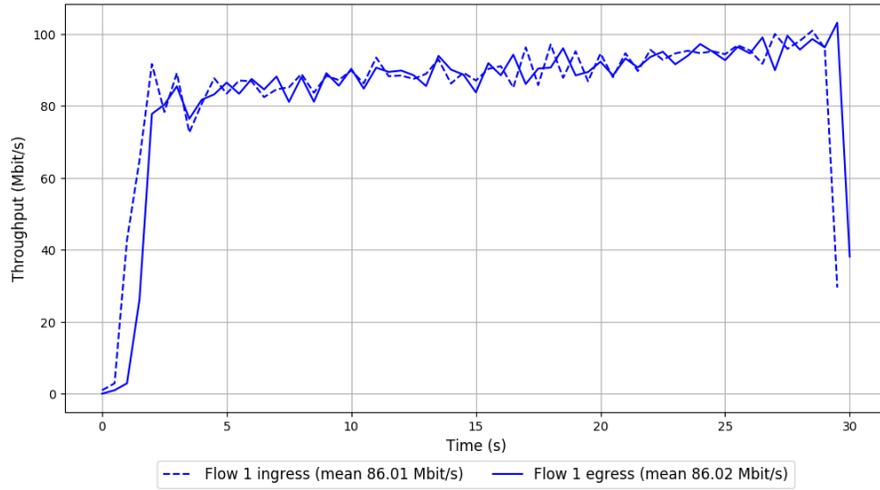


Run 6: Statistics of Indigo

Start at: 2018-08-21 21:23:15
End at: 2018-08-21 21:23:45
Local clock offset: -1.375 ms
Remote clock offset: -39.135 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 70.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 70.248 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

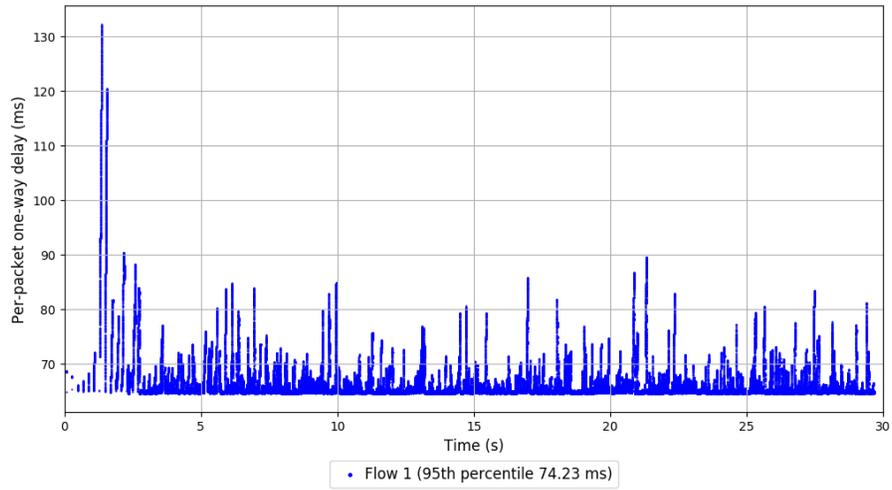
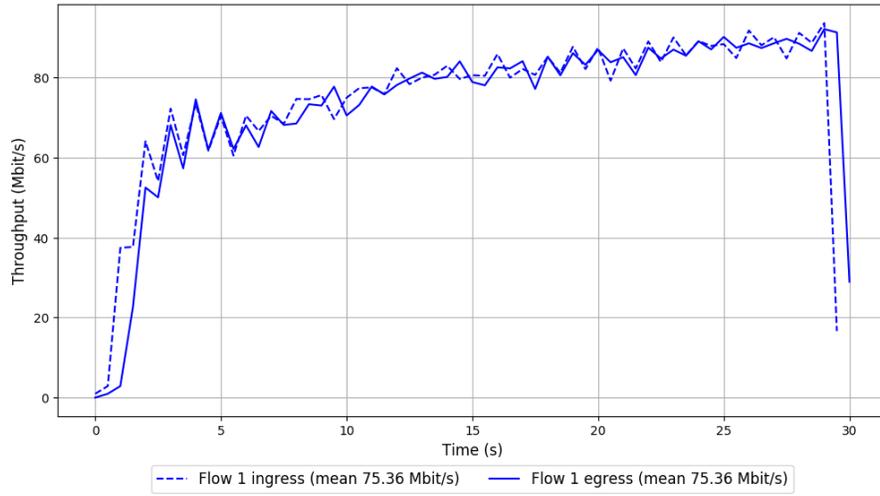


Run 7: Statistics of Indigo

Start at: 2018-08-21 21:45:24
End at: 2018-08-21 21:45:54
Local clock offset: -0.625 ms
Remote clock offset: -36.89 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 74.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 74.232 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

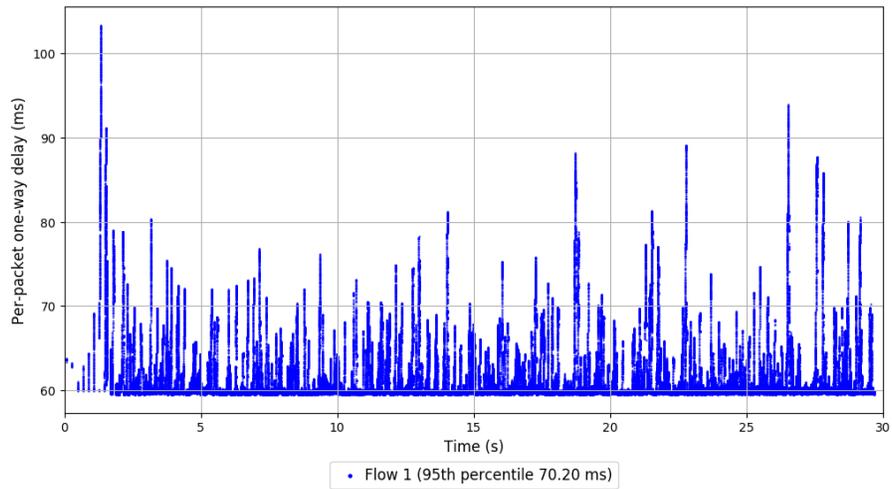
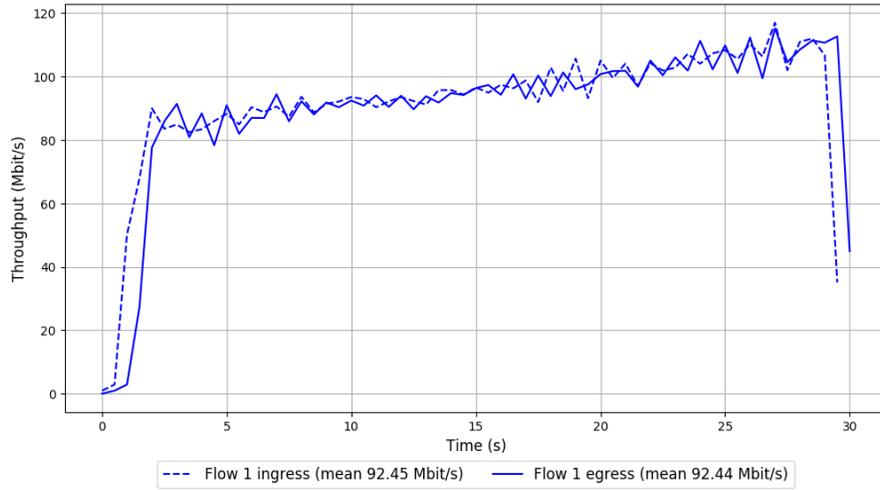


Run 8: Statistics of Indigo

Start at: 2018-08-21 22:07:30
End at: 2018-08-21 22:08:00
Local clock offset: -5.155 ms
Remote clock offset: -47.013 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 70.202 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 70.202 ms
Loss rate: 0.03%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-21 22:35:15

End at: 2018-08-21 22:35:45

Local clock offset: 1.606 ms

Remote clock offset: -39.41 ms

Below is generated by plot.py at 2018-08-21 23:30:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 70.797 ms

Loss rate: 0.01%

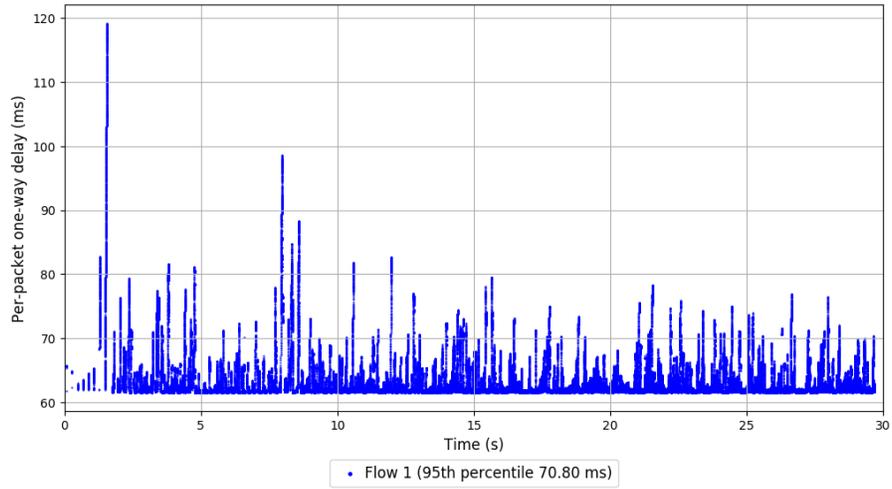
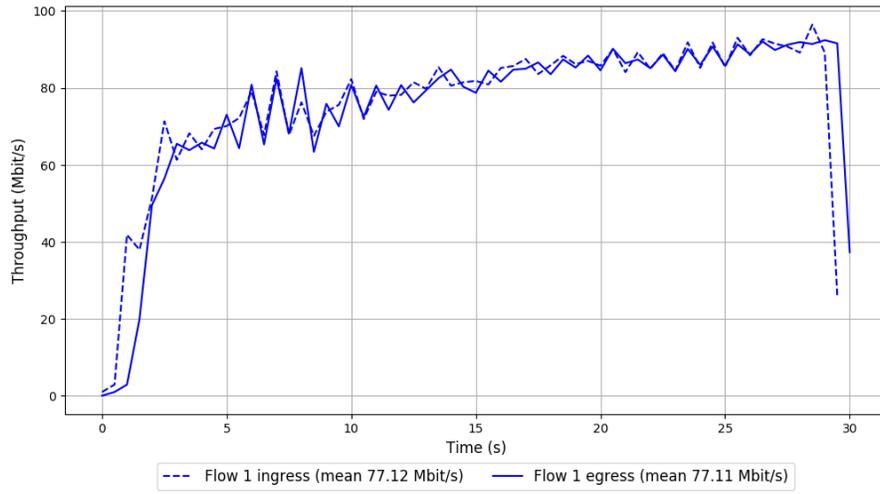
-- Flow 1:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 70.797 ms

Loss rate: 0.01%

Run 9: Report of Indigo — Data Link

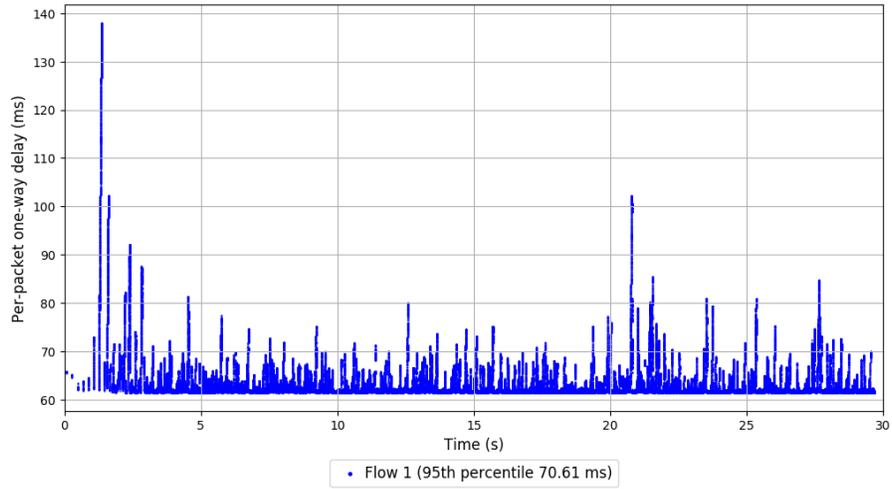
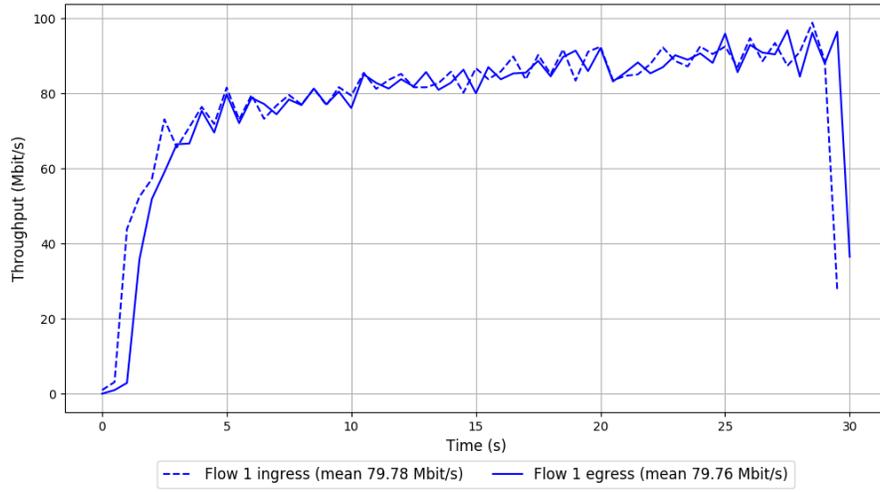


Run 10: Statistics of Indigo

Start at: 2018-08-21 22:57:22
End at: 2018-08-21 22:57:52
Local clock offset: 0.208 ms
Remote clock offset: -37.818 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 70.615 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 70.615 ms
Loss rate: 0.04%

Run 10: Report of Indigo — Data Link

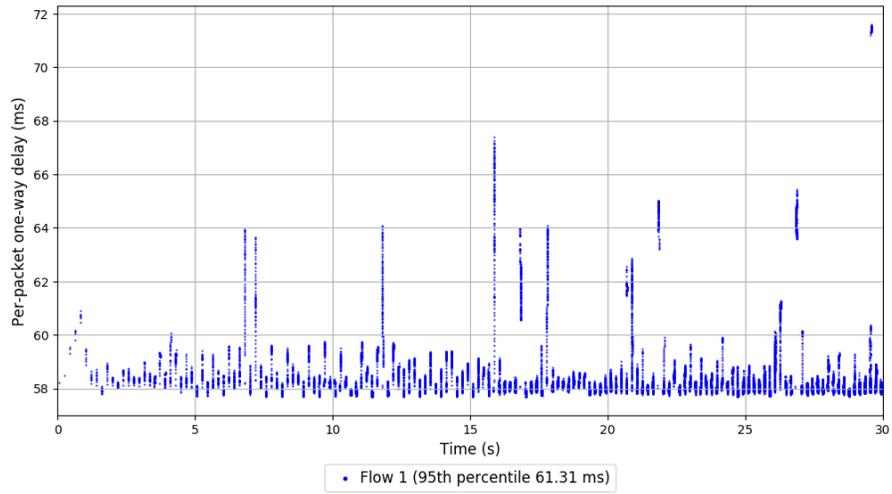
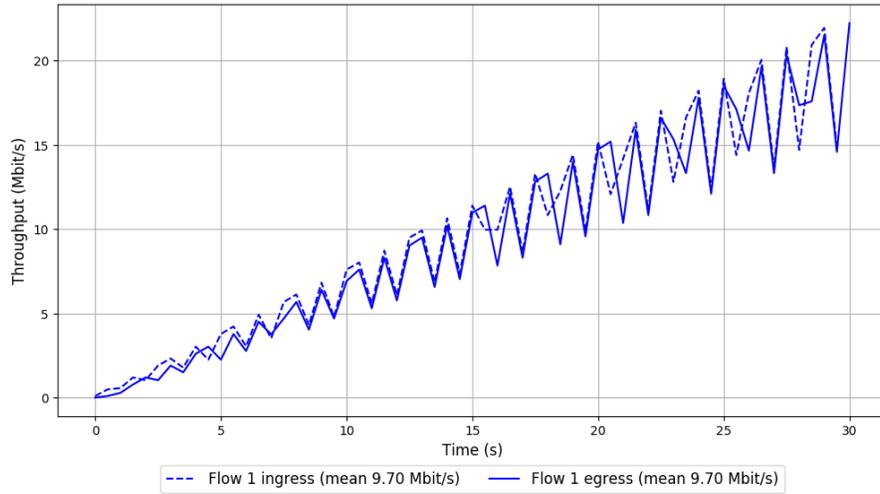


Run 1: Statistics of LEDBAT

Start at: 2018-08-21 19:22:34
End at: 2018-08-21 19:23:04
Local clock offset: -4.623 ms
Remote clock offset: -39.166 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 61.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 61.308 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

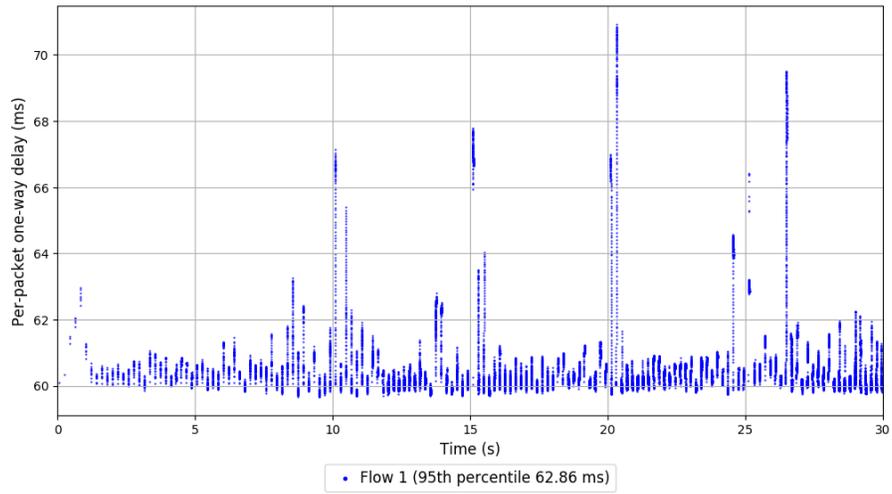
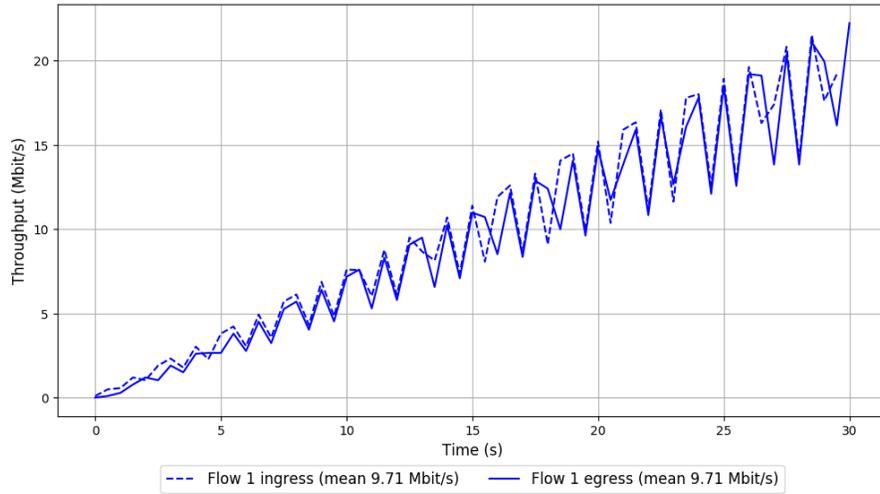


Run 2: Statistics of LEDBAT

Start at: 2018-08-21 19:44:46
End at: 2018-08-21 19:45:16
Local clock offset: -3.445 ms
Remote clock offset: -38.784 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 62.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 62.860 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

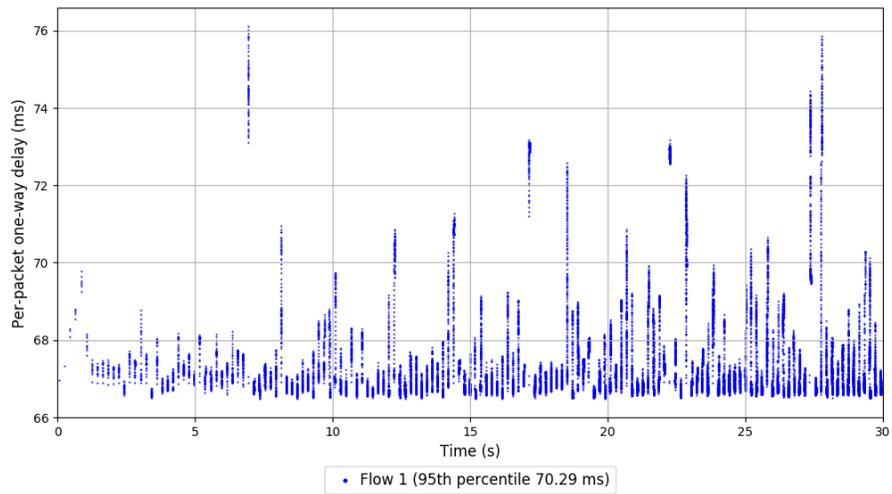
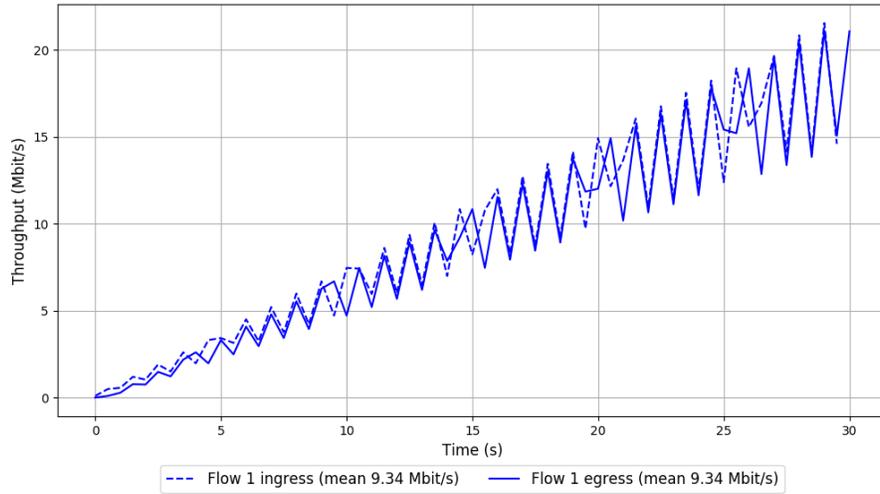


Run 3: Statistics of LEDBAT

Start at: 2018-08-21 20:12:28
End at: 2018-08-21 20:12:58
Local clock offset: -2.845 ms
Remote clock offset: -34.63 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 70.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 70.286 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

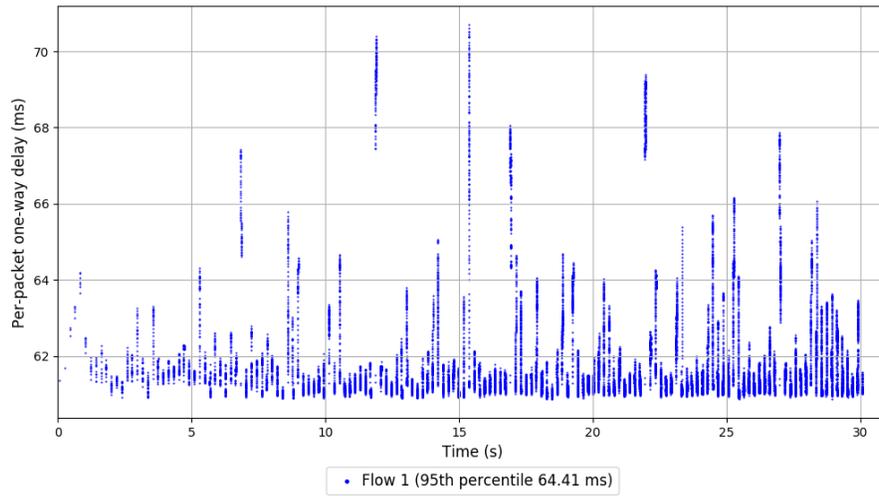
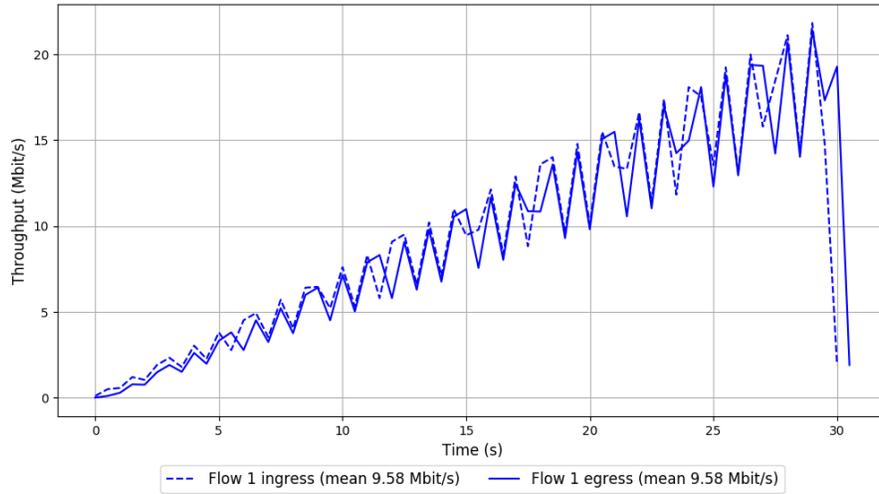


Run 4: Statistics of LEDBAT

Start at: 2018-08-21 20:34:36
End at: 2018-08-21 20:35:06
Local clock offset: -2.718 ms
Remote clock offset: -36.666 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 64.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 64.412 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

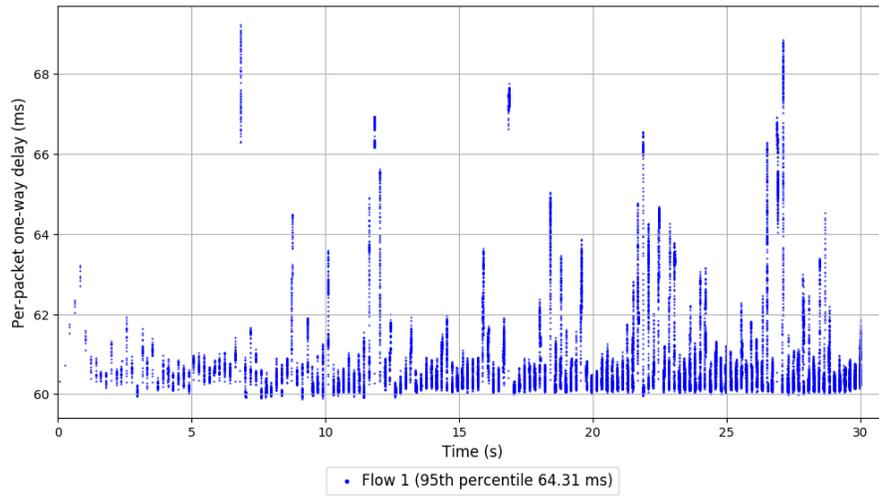
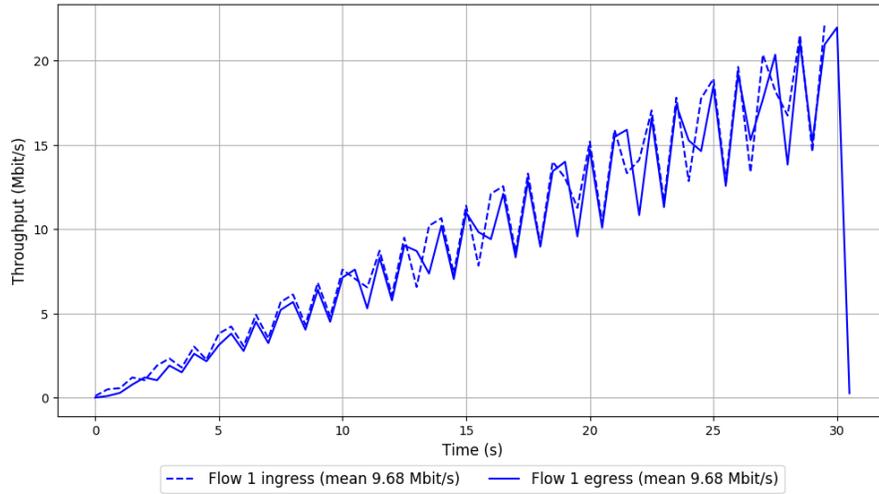


Run 5: Statistics of LEDBAT

Start at: 2018-08-21 21:02:23
End at: 2018-08-21 21:02:53
Local clock offset: -2.361 ms
Remote clock offset: -38.857 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

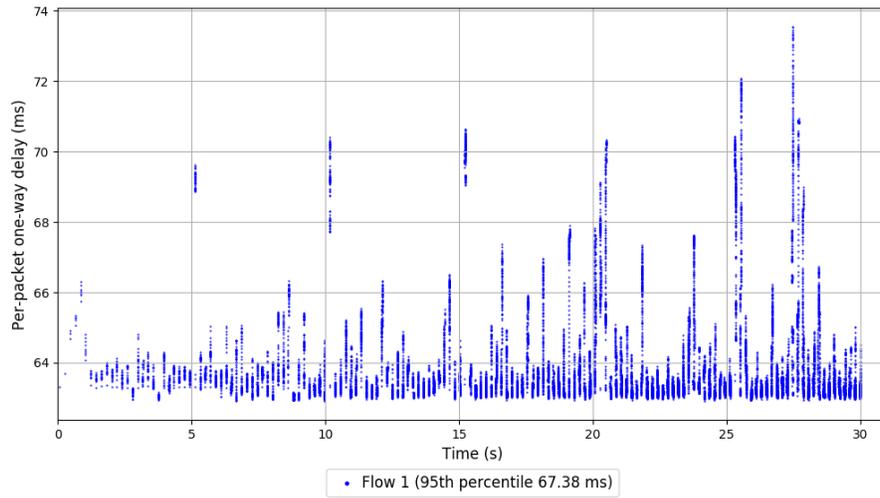
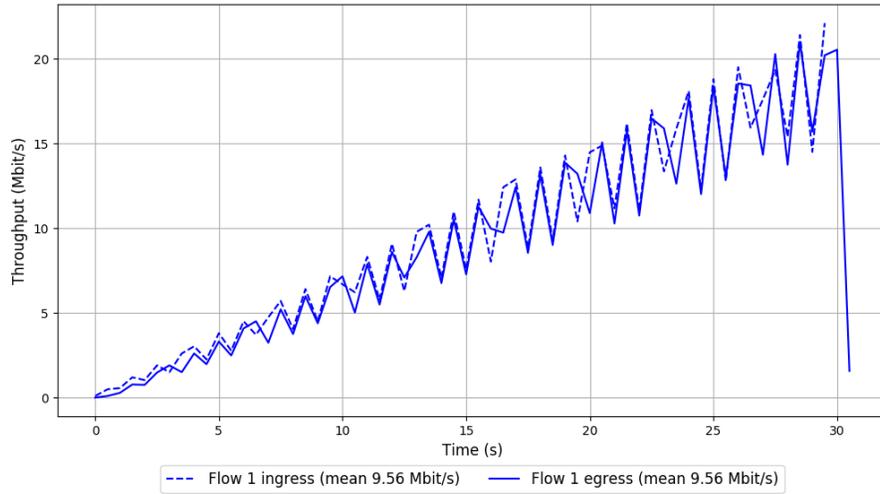


Run 6: Statistics of LEDBAT

Start at: 2018-08-21 21:24:30
End at: 2018-08-21 21:25:00
Local clock offset: -2.023 ms
Remote clock offset: -36.296 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 67.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 67.383 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

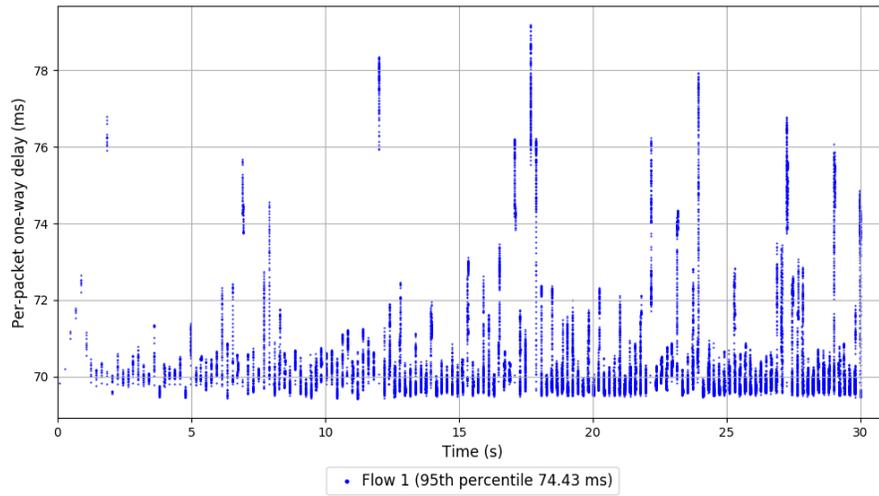
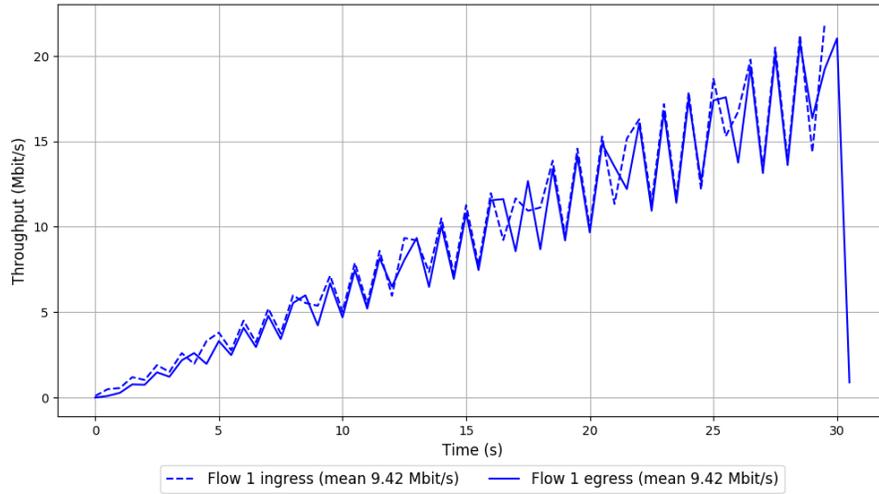


Run 7: Statistics of LEDBAT

Start at: 2018-08-21 21:46:39
End at: 2018-08-21 21:47:09
Local clock offset: -1.143 ms
Remote clock offset: -32.564 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 74.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 74.426 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

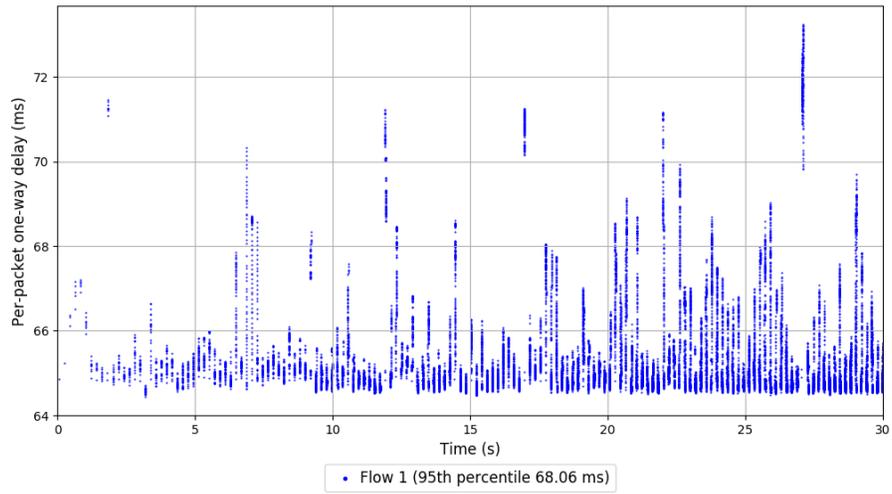
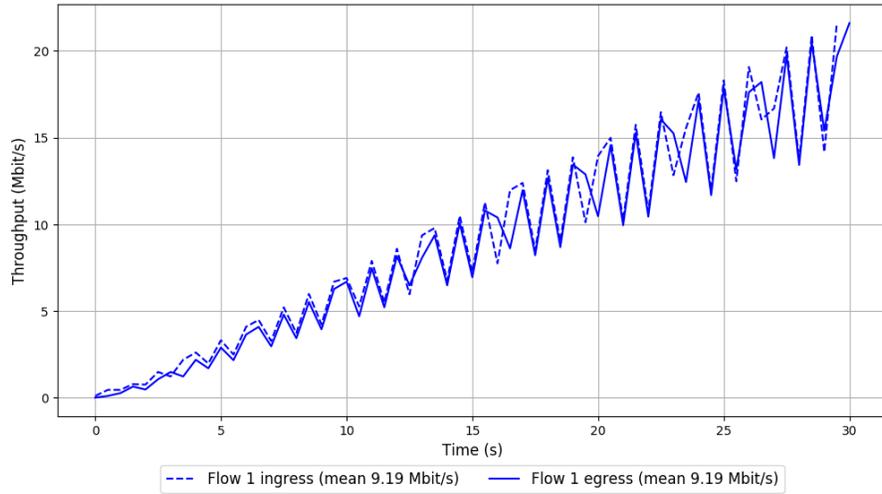


Run 8: Statistics of LEDBAT

Start at: 2018-08-21 22:08:47
End at: 2018-08-21 22:09:17
Local clock offset: 1.365 ms
Remote clock offset: -33.632 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 68.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 68.061 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

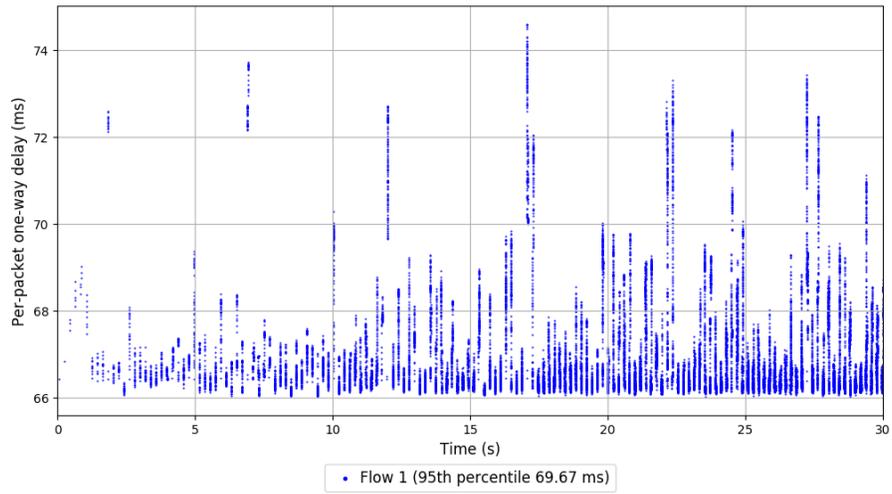
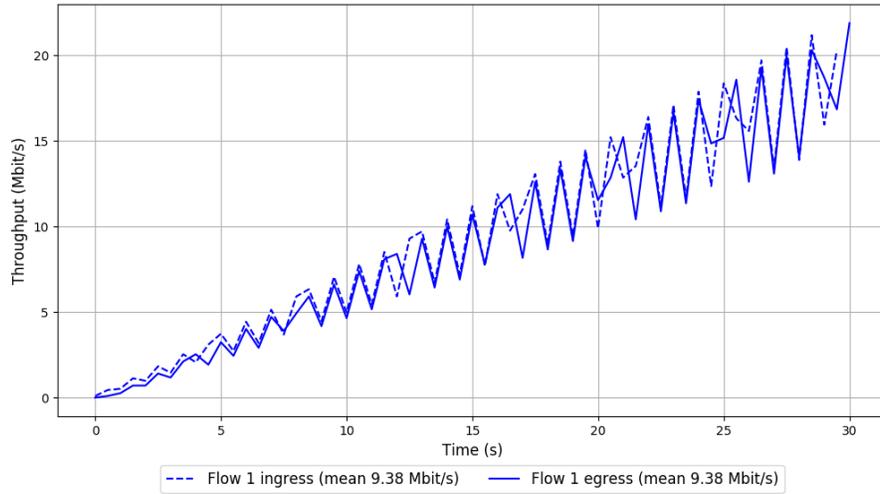


Run 9: Statistics of LEDBAT

Start at: 2018-08-21 22:36:30
End at: 2018-08-21 22:37:00
Local clock offset: 2.39 ms
Remote clock offset: -34.361 ms

```
# Below is generated by plot.py at 2018-08-21 23:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 69.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 69.671 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

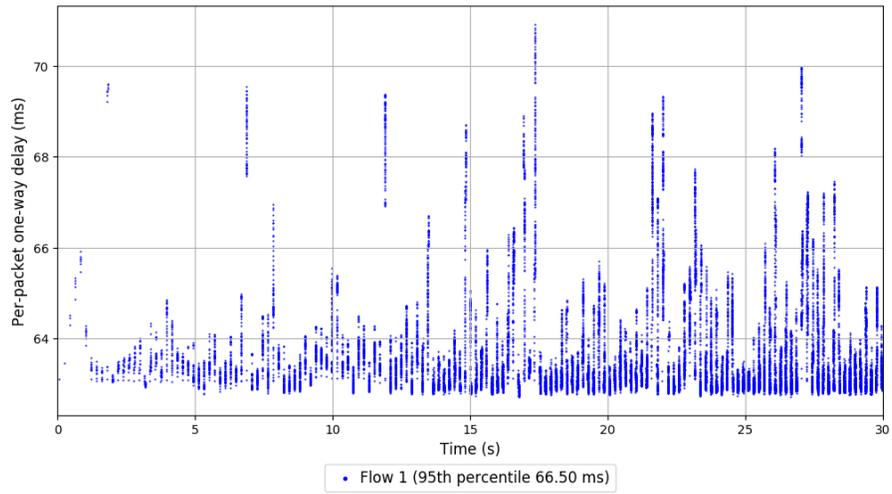
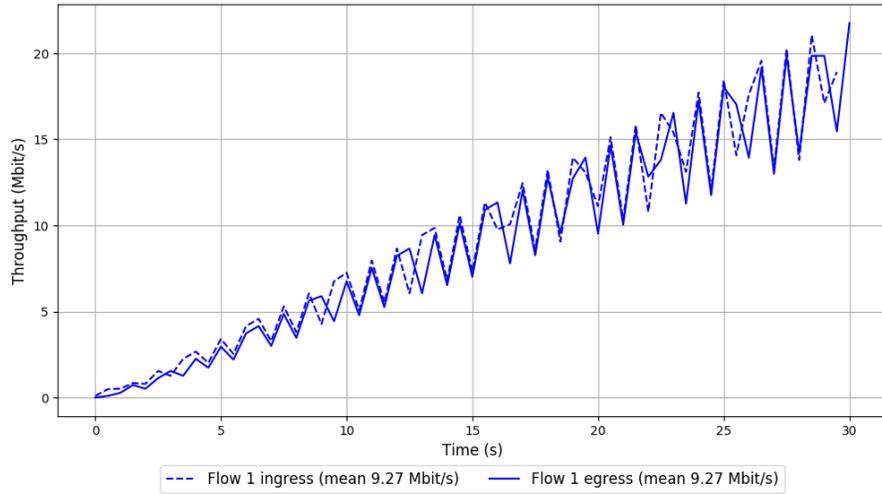


Run 10: Statistics of LEDBAT

Start at: 2018-08-21 22:58:38
End at: 2018-08-21 22:59:08
Local clock offset: 0.596 ms
Remote clock offset: -36.257 ms

Below is generated by plot.py at 2018-08-21 23:30:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 66.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 66.498 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-21 19:23:44

End at: 2018-08-21 19:24:14

Local clock offset: -4.695 ms

Remote clock offset: -35.979 ms

Below is generated by plot.py at 2018-08-21 23:33:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.18 Mbit/s

95th percentile per-packet one-way delay: 64.344 ms

Loss rate: 3.75%

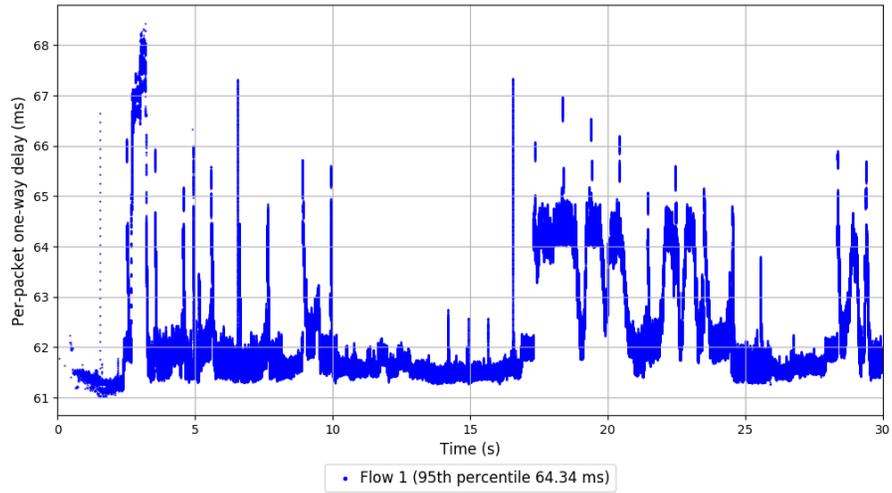
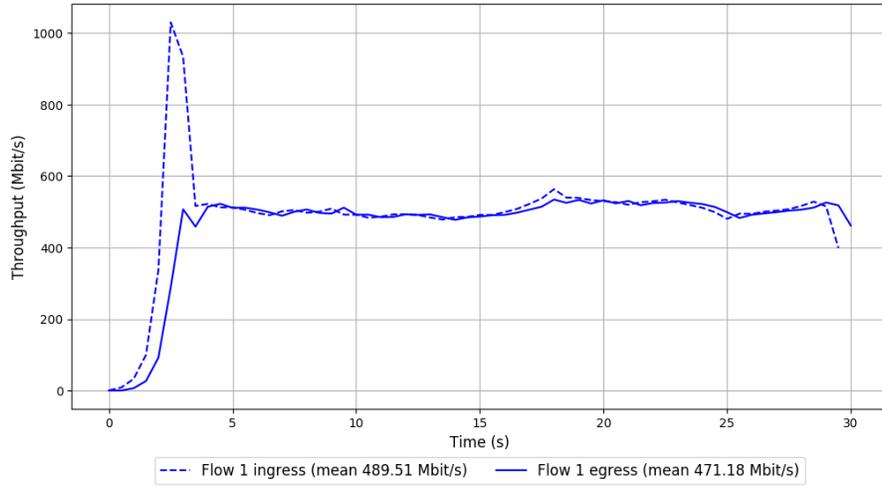
-- Flow 1:

Average throughput: 471.18 Mbit/s

95th percentile per-packet one-way delay: 64.344 ms

Loss rate: 3.75%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-21 19:45:57

End at: 2018-08-21 19:46:27

Local clock offset: -1.637 ms

Remote clock offset: -34.568 ms

Below is generated by plot.py at 2018-08-21 23:33:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 466.90 Mbit/s

95th percentile per-packet one-way delay: 65.204 ms

Loss rate: 3.32%

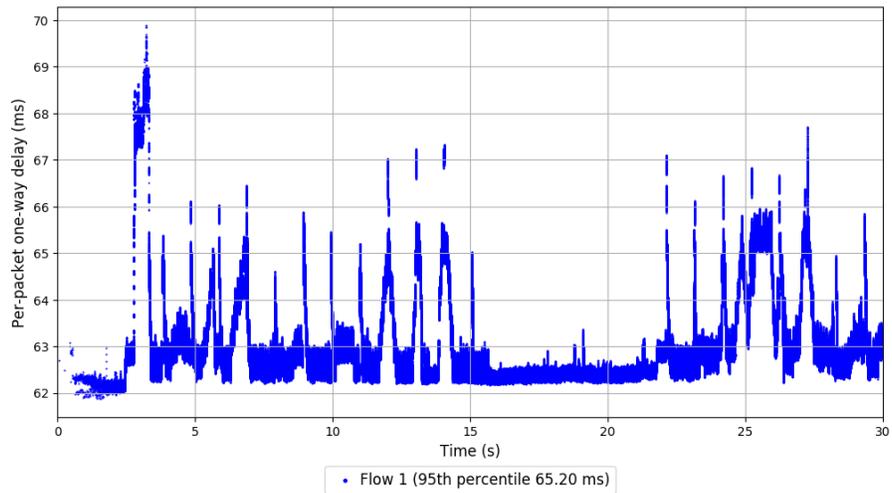
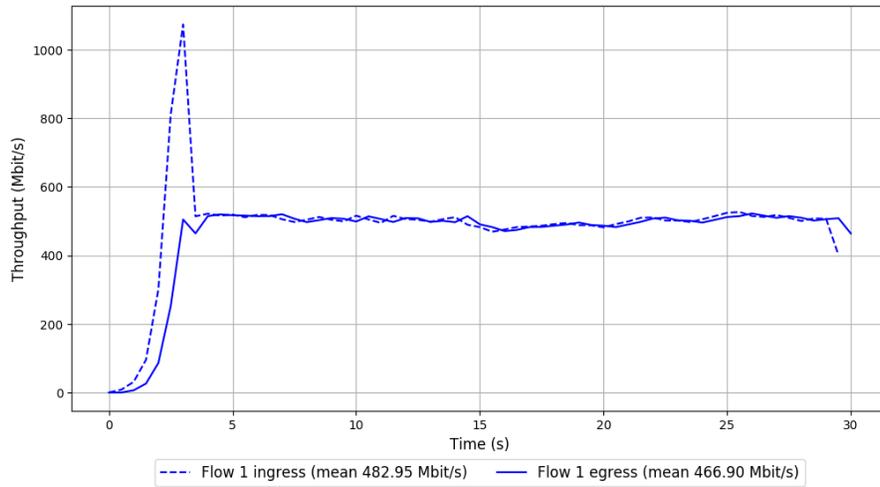
-- Flow 1:

Average throughput: 466.90 Mbit/s

95th percentile per-packet one-way delay: 65.204 ms

Loss rate: 3.32%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-21 20:13:39

End at: 2018-08-21 20:14:09

Local clock offset: -3.389 ms

Remote clock offset: -39.811 ms

Below is generated by plot.py at 2018-08-21 23:33:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.56 Mbit/s

95th percentile per-packet one-way delay: 65.063 ms

Loss rate: 3.61%

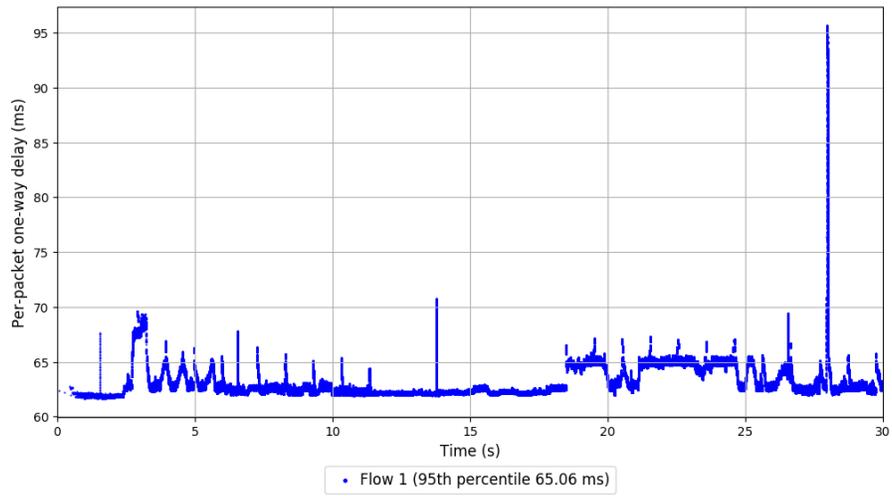
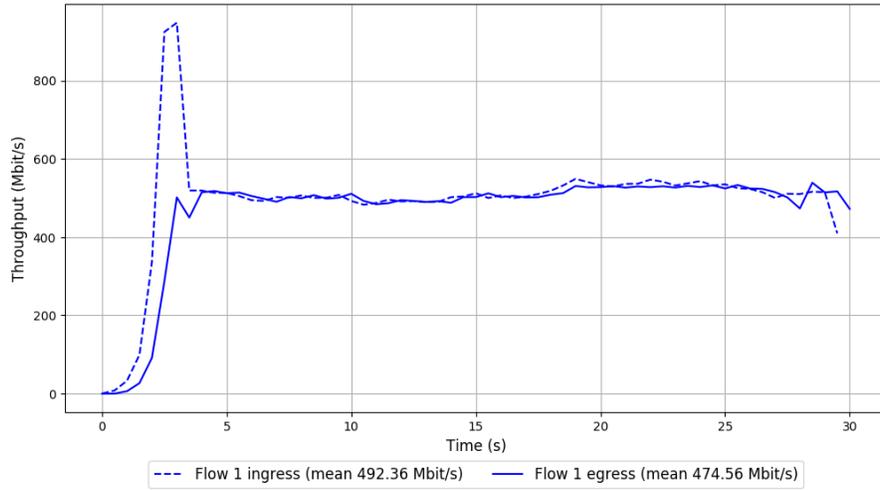
-- Flow 1:

Average throughput: 474.56 Mbit/s

95th percentile per-packet one-way delay: 65.063 ms

Loss rate: 3.61%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-21 20:35:47

End at: 2018-08-21 20:36:17

Local clock offset: -3.311 ms

Remote clock offset: -34.094 ms

Below is generated by plot.py at 2018-08-21 23:33:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.34 Mbit/s

95th percentile per-packet one-way delay: 67.452 ms

Loss rate: 3.78%

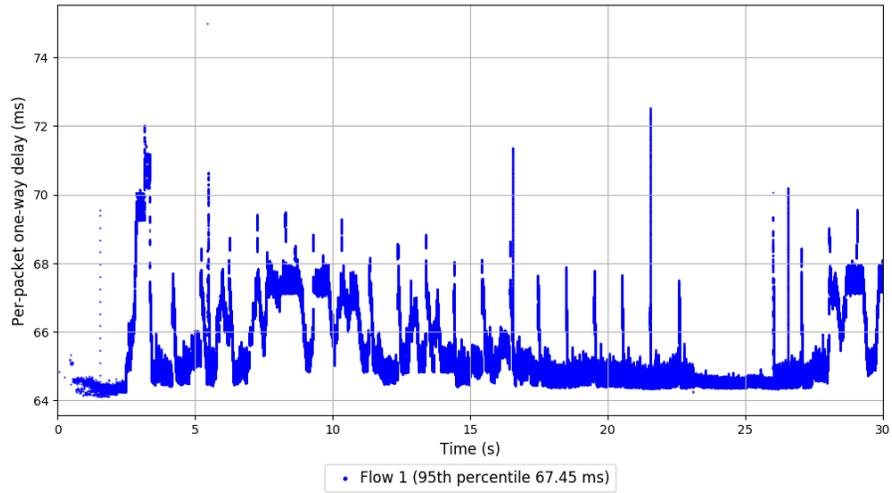
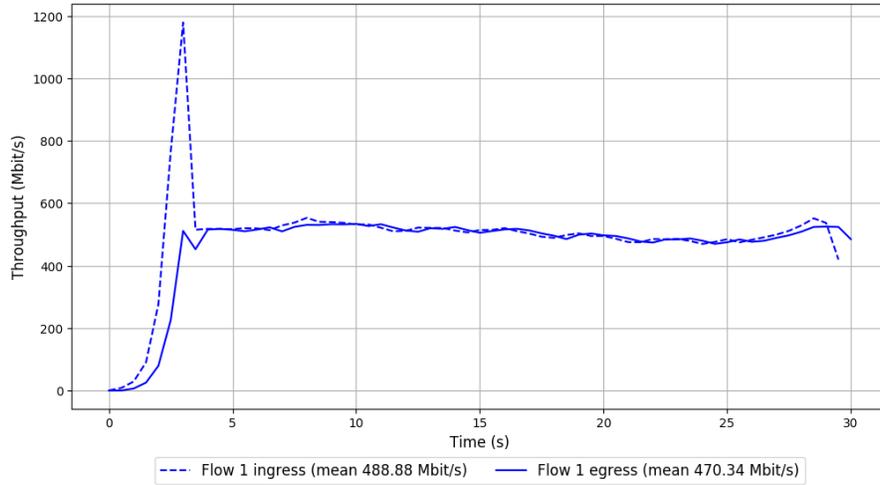
-- Flow 1:

Average throughput: 470.34 Mbit/s

95th percentile per-packet one-way delay: 67.452 ms

Loss rate: 3.78%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-21 21:03:34

End at: 2018-08-21 21:04:04

Local clock offset: -2.922 ms

Remote clock offset: -39.72 ms

Below is generated by plot.py at 2018-08-21 23:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.51 Mbit/s

95th percentile per-packet one-way delay: 64.933 ms

Loss rate: 3.52%

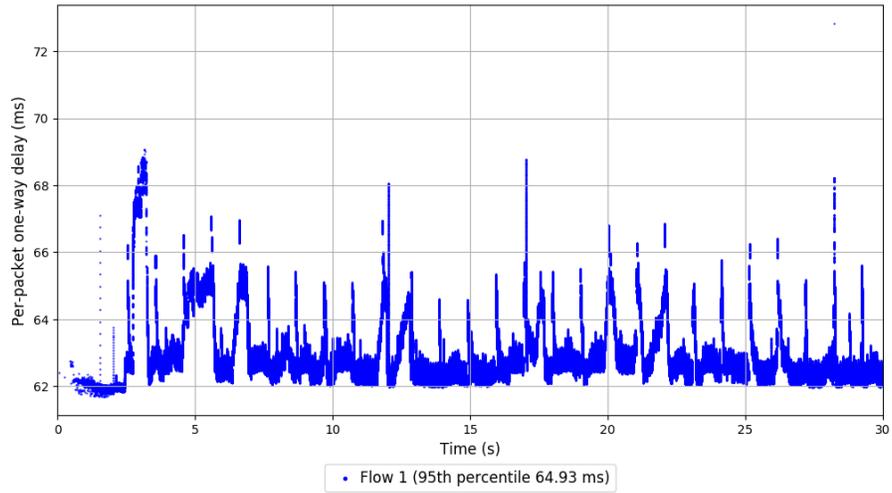
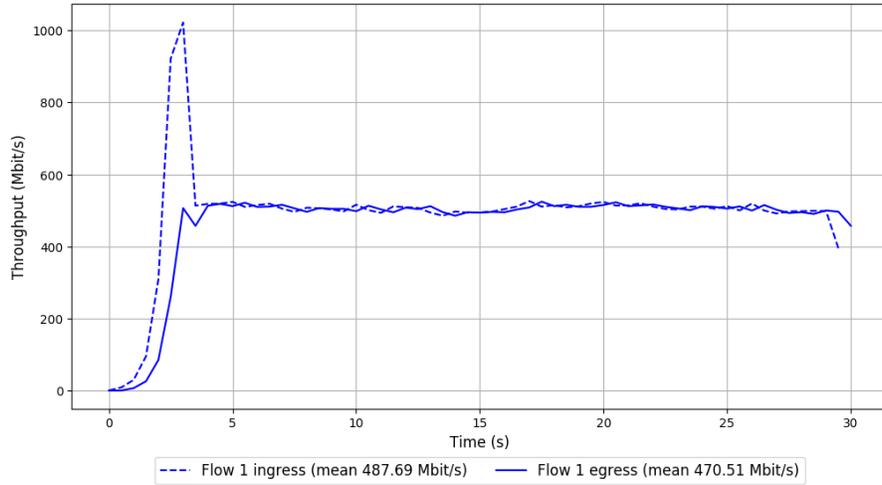
-- Flow 1:

Average throughput: 470.51 Mbit/s

95th percentile per-packet one-way delay: 64.933 ms

Loss rate: 3.52%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-21 21:25:41

End at: 2018-08-21 21:26:11

Local clock offset: -1.249 ms

Remote clock offset: -40.065 ms

Below is generated by plot.py at 2018-08-21 23:35:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.09 Mbit/s

95th percentile per-packet one-way delay: 63.636 ms

Loss rate: 3.50%

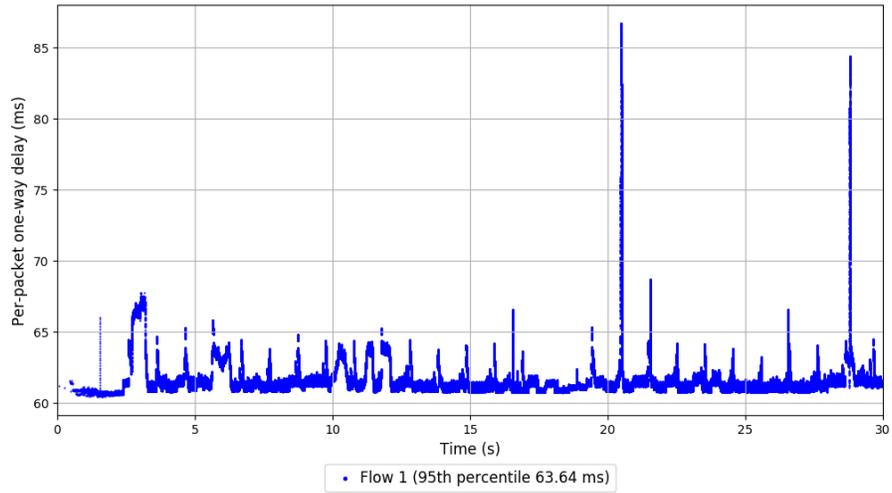
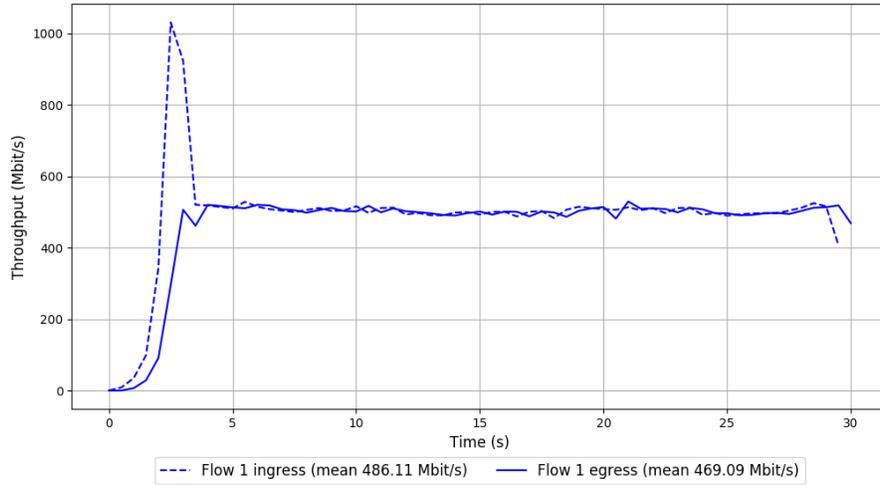
-- Flow 1:

Average throughput: 469.09 Mbit/s

95th percentile per-packet one-way delay: 63.636 ms

Loss rate: 3.50%

Run 6: Report of PCC-Allegro — Data Link

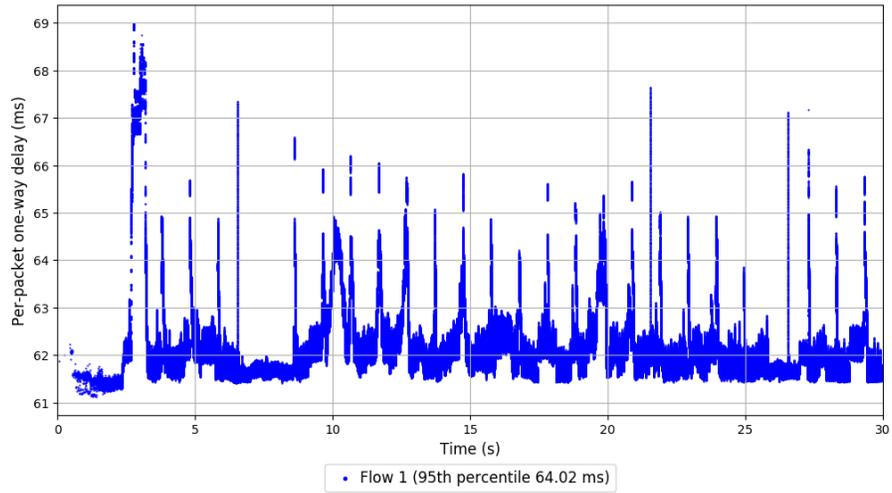
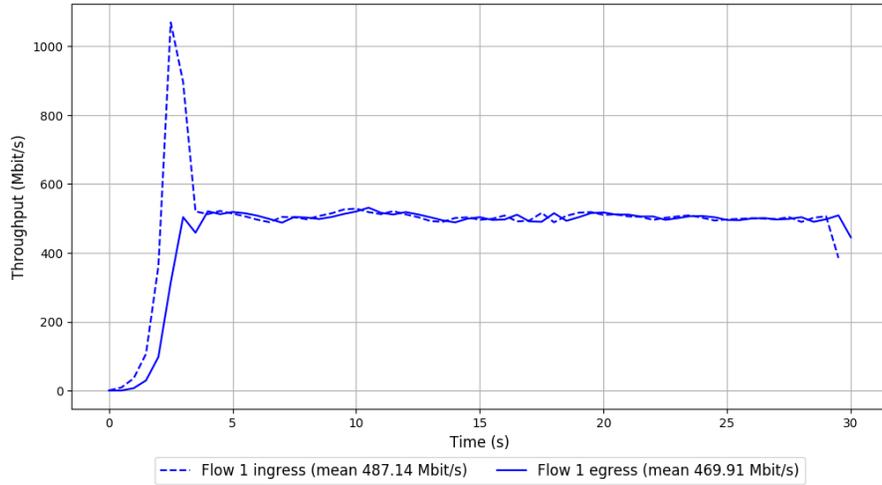


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-21 21:47:50
End at: 2018-08-21 21:48:20
Local clock offset: -0.305 ms
Remote clock offset: -37.524 ms

Below is generated by plot.py at 2018-08-21 23:35:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.91 Mbit/s
95th percentile per-packet one-way delay: 64.023 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 469.91 Mbit/s
95th percentile per-packet one-way delay: 64.023 ms
Loss rate: 3.54%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-21 22:09:57

End at: 2018-08-21 22:10:28

Local clock offset: 0.726 ms

Remote clock offset: -34.108 ms

Below is generated by plot.py at 2018-08-21 23:36:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.23 Mbit/s

95th percentile per-packet one-way delay: 67.597 ms

Loss rate: 3.73%

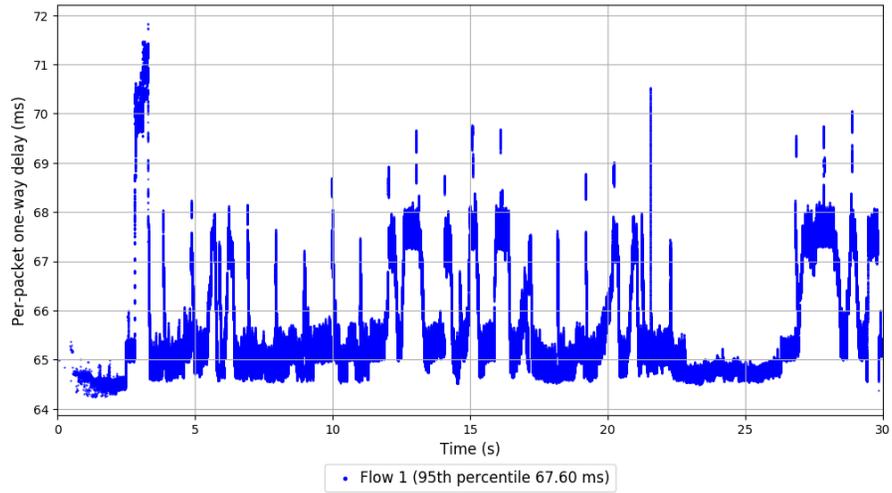
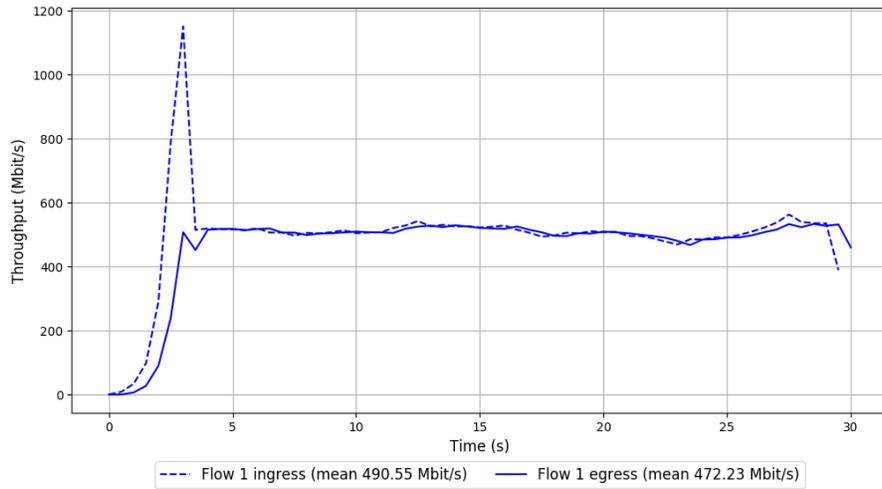
-- Flow 1:

Average throughput: 472.23 Mbit/s

95th percentile per-packet one-way delay: 67.597 ms

Loss rate: 3.73%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-21 22:37:41

End at: 2018-08-21 22:38:11

Local clock offset: 0.555 ms

Remote clock offset: -39.594 ms

Below is generated by plot.py at 2018-08-21 23:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.13 Mbit/s

95th percentile per-packet one-way delay: 65.501 ms

Loss rate: 3.76%

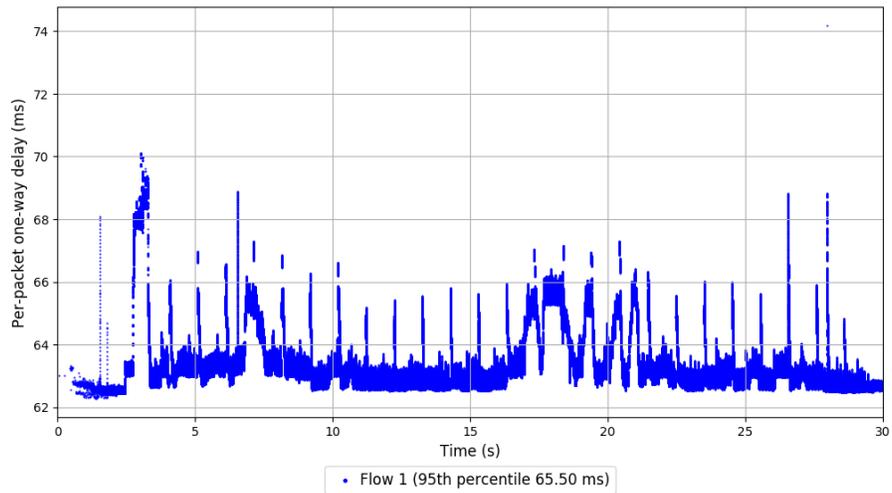
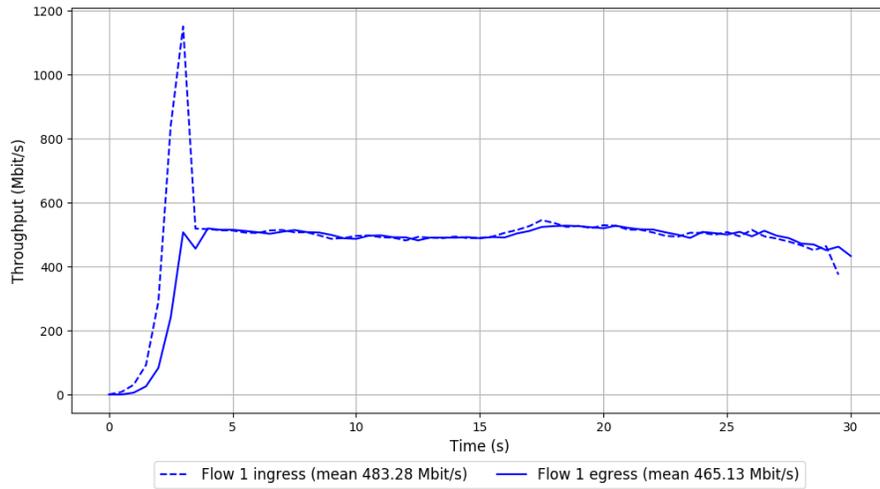
-- Flow 1:

Average throughput: 465.13 Mbit/s

95th percentile per-packet one-way delay: 65.501 ms

Loss rate: 3.76%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-21 22:59:48

End at: 2018-08-21 23:00:19

Local clock offset: 0.233 ms

Remote clock offset: -39.546 ms

Below is generated by plot.py at 2018-08-21 23:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.07 Mbit/s

95th percentile per-packet one-way delay: 65.685 ms

Loss rate: 4.37%

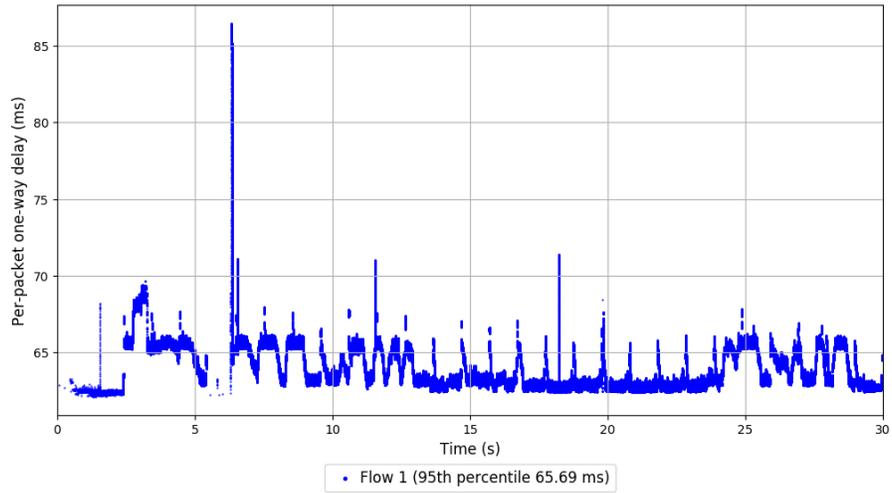
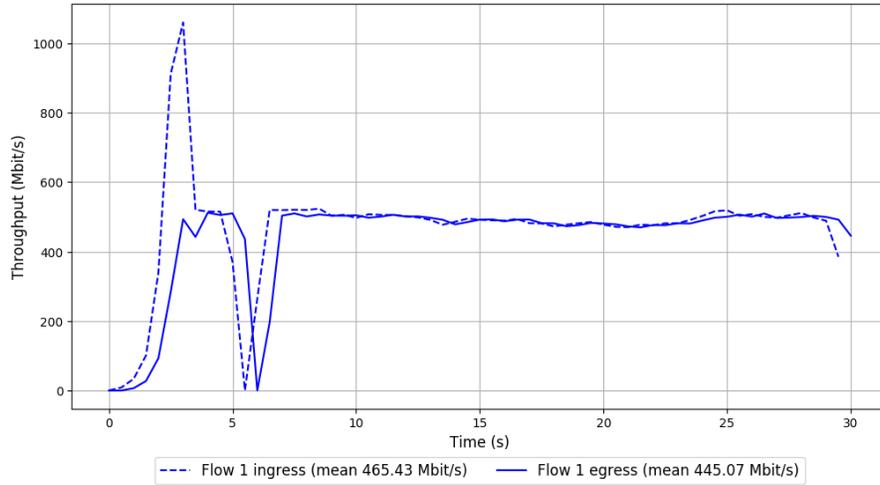
-- Flow 1:

Average throughput: 445.07 Mbit/s

95th percentile per-packet one-way delay: 65.685 ms

Loss rate: 4.37%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-08-21 19:04:11
End at: 2018-08-21 19:04:41
Local clock offset: -10.161 ms
Remote clock offset: -39.794 ms

Below is generated by plot.py at 2018-08-21 23:38:57

Datalink statistics

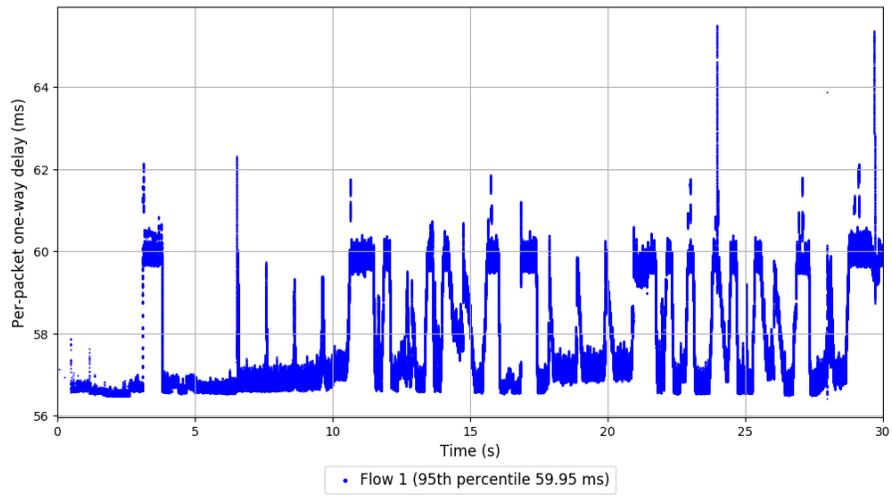
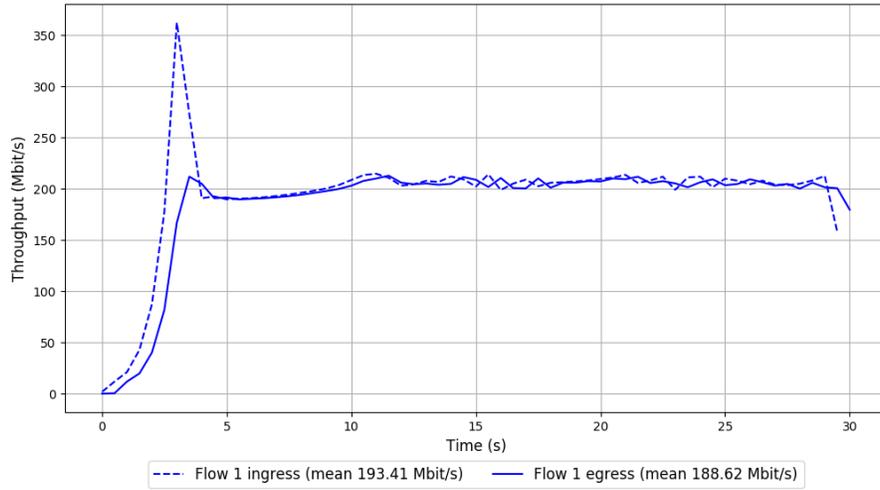
-- Total of 1 flow:

Average throughput: 188.62 Mbit/s
95th percentile per-packet one-way delay: 59.949 ms
Loss rate: 2.47%

-- Flow 1:

Average throughput: 188.62 Mbit/s
95th percentile per-packet one-way delay: 59.949 ms
Loss rate: 2.47%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-21 19:31:53
End at: 2018-08-21 19:32:24
Local clock offset: -6.86 ms
Remote clock offset: -33.817 ms

Below is generated by plot.py at 2018-08-21 23:38:57

Datalink statistics

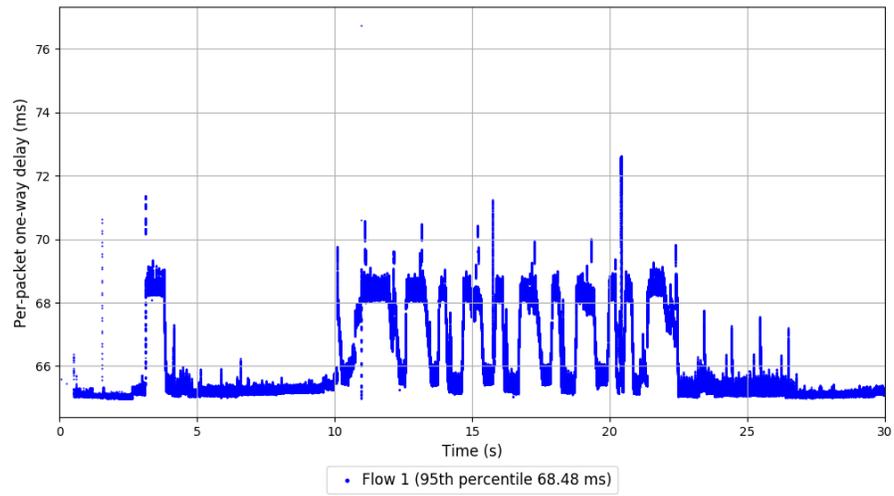
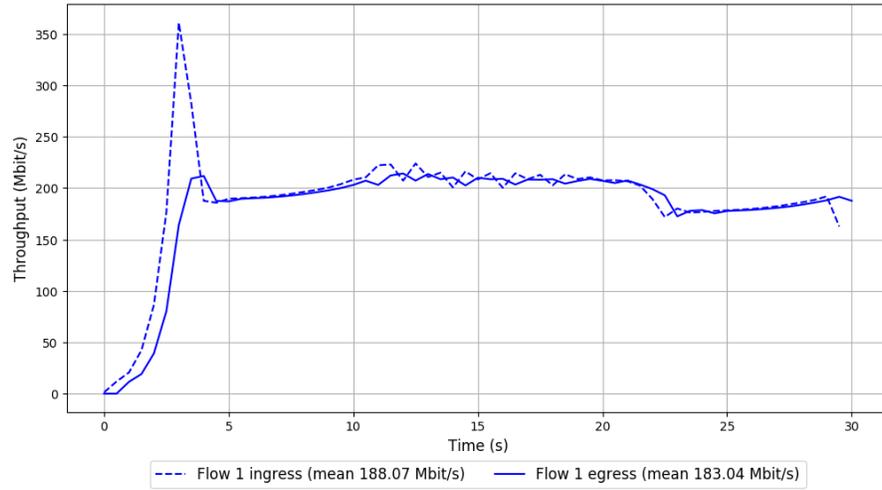
-- Total of 1 flow:

Average throughput: 183.04 Mbit/s
95th percentile per-packet one-way delay: 68.484 ms
Loss rate: 2.68%

-- Flow 1:

Average throughput: 183.04 Mbit/s
95th percentile per-packet one-way delay: 68.484 ms
Loss rate: 2.68%

Run 2: Report of PCC-Expr — Data Link

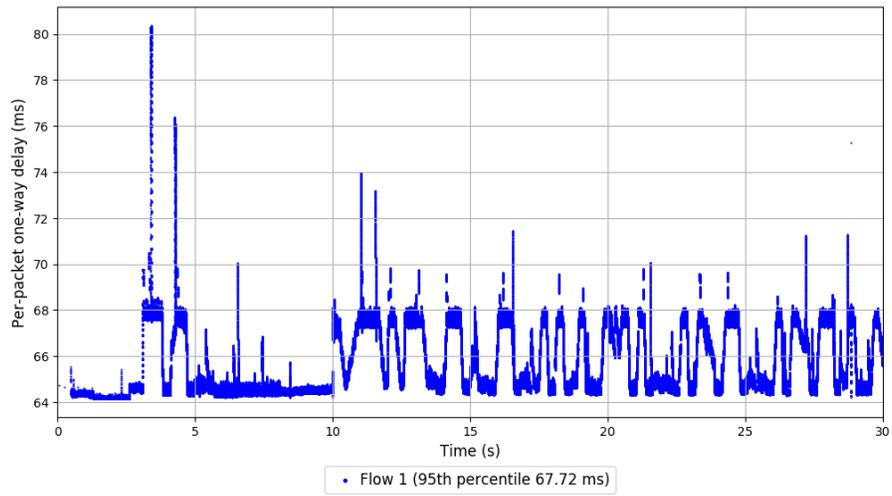
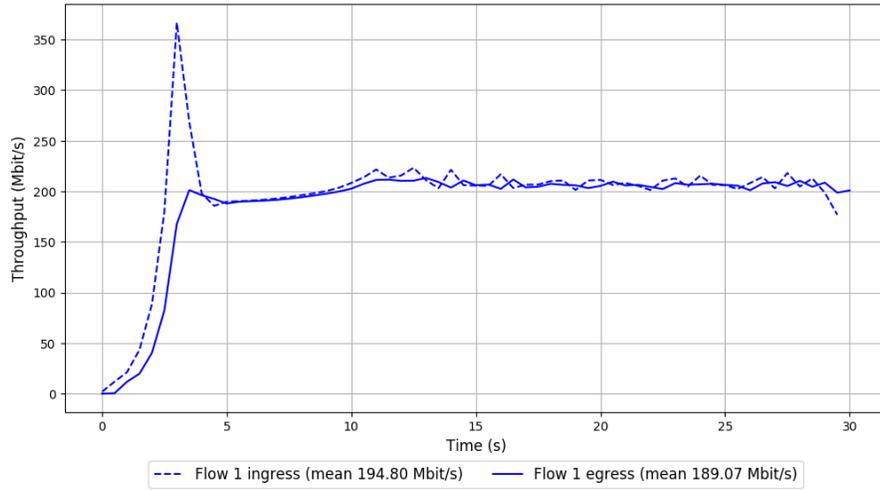


Run 3: Statistics of PCC-Expr

Start at: 2018-08-21 19:54:01
End at: 2018-08-21 19:54:32
Local clock offset: -2.531 ms
Remote clock offset: -34.433 ms

Below is generated by plot.py at 2018-08-21 23:39:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.07 Mbit/s
95th percentile per-packet one-way delay: 67.722 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 189.07 Mbit/s
95th percentile per-packet one-way delay: 67.722 ms
Loss rate: 2.94%

Run 3: Report of PCC-Expr — Data Link

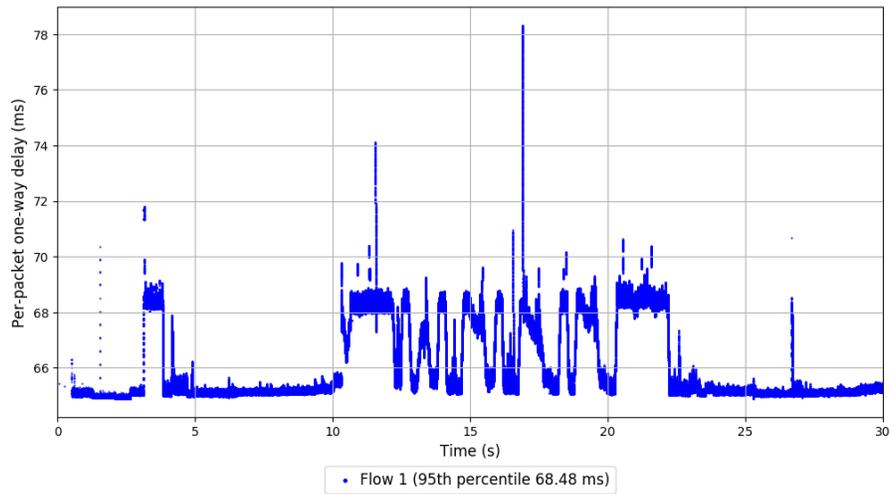
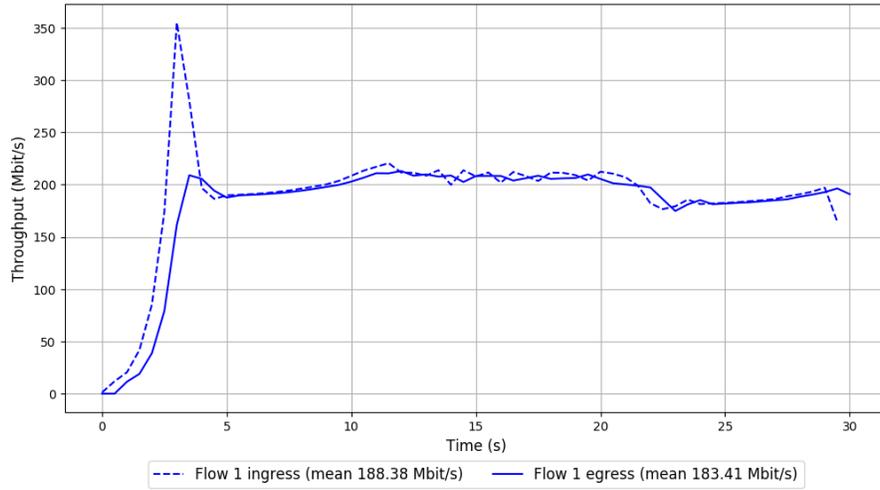


Run 4: Statistics of PCC-Expr

Start at: 2018-08-21 20:21:43
End at: 2018-08-21 20:22:13
Local clock offset: -2.859 ms
Remote clock offset: -33.764 ms

Below is generated by plot.py at 2018-08-21 23:39:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.41 Mbit/s
95th percentile per-packet one-way delay: 68.483 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 183.41 Mbit/s
95th percentile per-packet one-way delay: 68.483 ms
Loss rate: 2.64%

Run 4: Report of PCC-Expr — Data Link

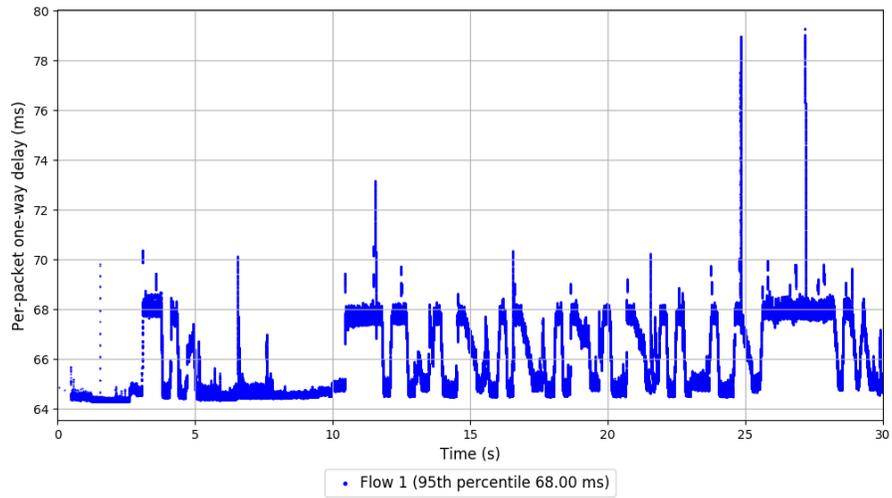
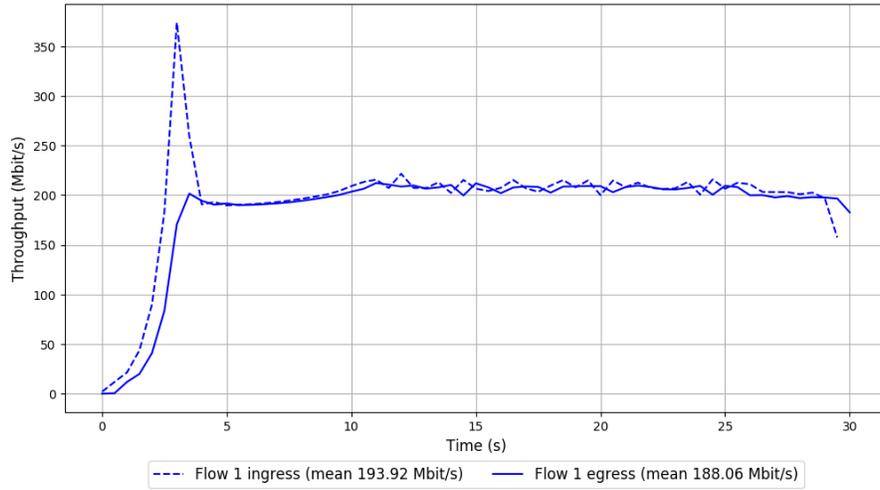


Run 5: Statistics of PCC-Expr

Start at: 2018-08-21 20:43:54
End at: 2018-08-21 20:44:24
Local clock offset: -2.65 ms
Remote clock offset: -34.432 ms

Below is generated by plot.py at 2018-08-21 23:40:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 68.003 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 68.003 ms
Loss rate: 3.02%

Run 5: Report of PCC-Expr — Data Link

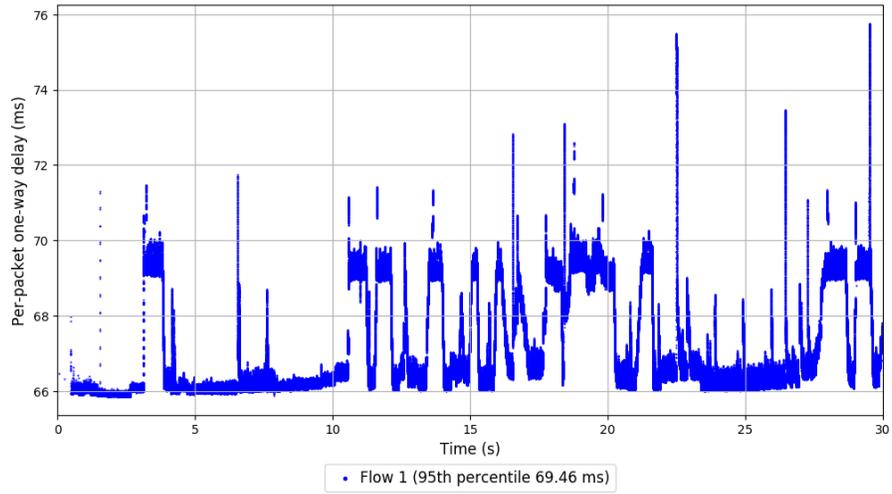
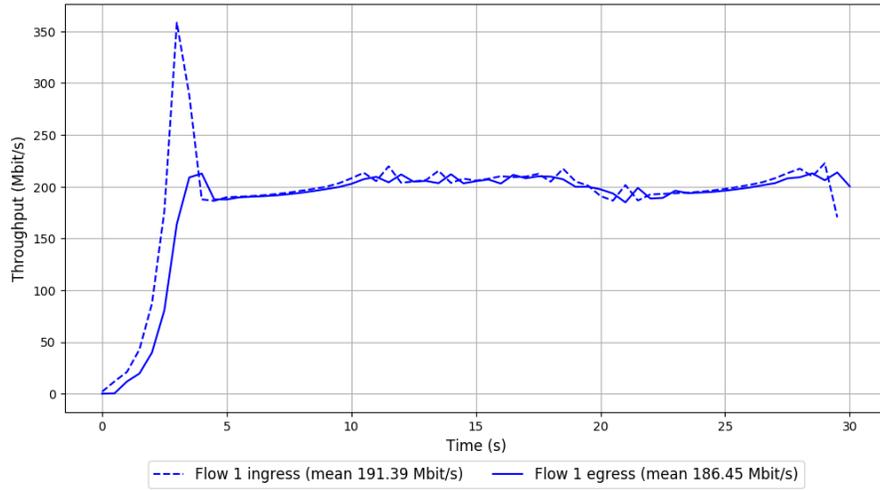


Run 6: Statistics of PCC-Expr

Start at: 2018-08-21 21:11:41
End at: 2018-08-21 21:12:11
Local clock offset: -2.233 ms
Remote clock offset: -35.566 ms

Below is generated by plot.py at 2018-08-21 23:40:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.45 Mbit/s
95th percentile per-packet one-way delay: 69.456 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 186.45 Mbit/s
95th percentile per-packet one-way delay: 69.456 ms
Loss rate: 2.58%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-21 21:33:50
End at: 2018-08-21 21:34:20
Local clock offset: -1.032 ms
Remote clock offset: -39.601 ms

Below is generated by plot.py at 2018-08-21 23:41:56

Datalink statistics

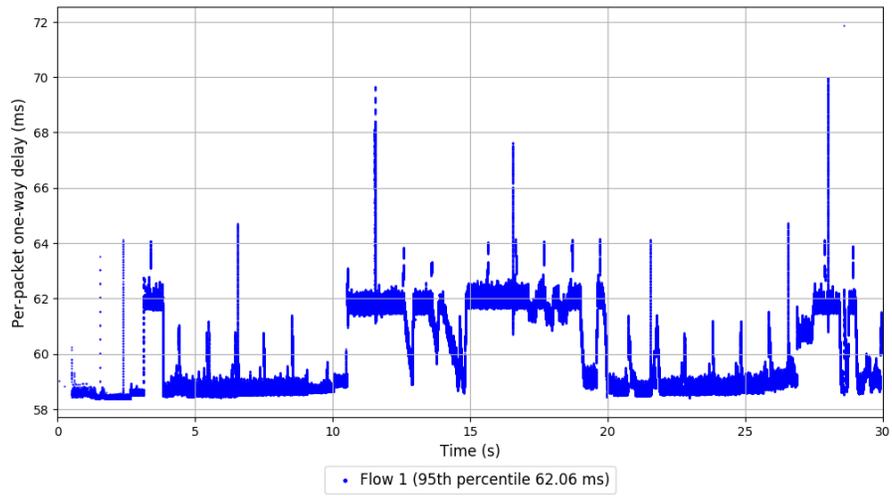
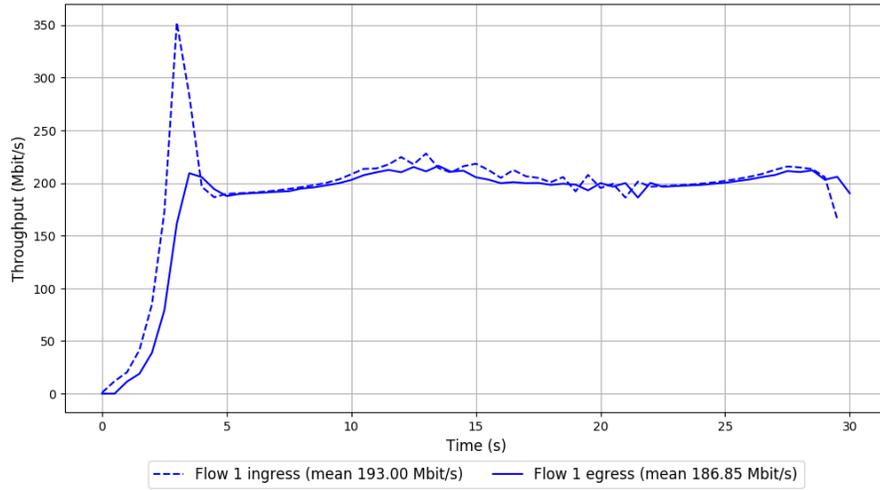
-- Total of 1 flow:

Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 62.056 ms
Loss rate: 3.19%

-- Flow 1:

Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 62.056 ms
Loss rate: 3.19%

Run 7: Report of PCC-Expr — Data Link

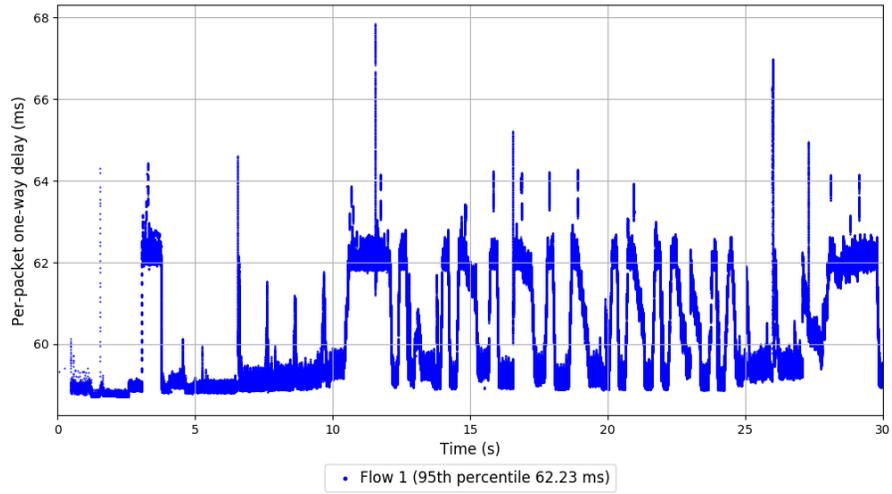
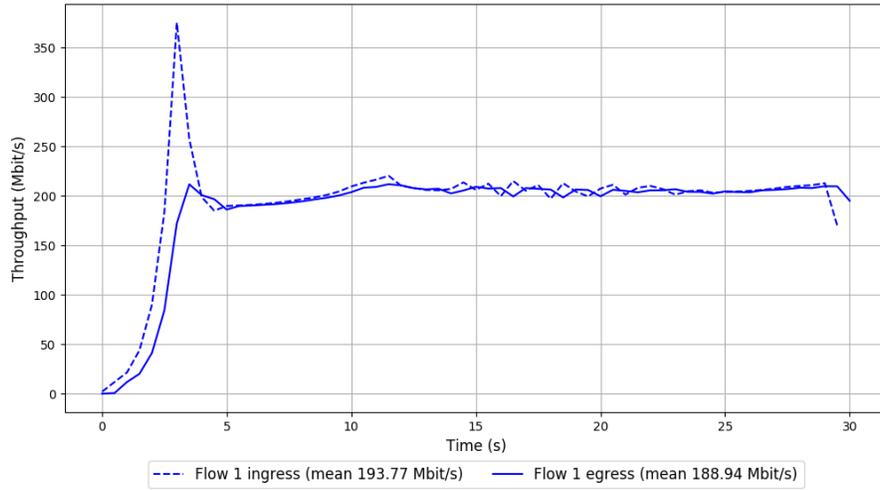


Run 8: Statistics of PCC-Expr

Start at: 2018-08-21 21:55:55
End at: 2018-08-21 21:56:25
Local clock offset: 1.414 ms
Remote clock offset: -38.436 ms

Below is generated by plot.py at 2018-08-21 23:42:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 62.230 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 62.230 ms
Loss rate: 2.50%

Run 8: Report of PCC-Expr — Data Link

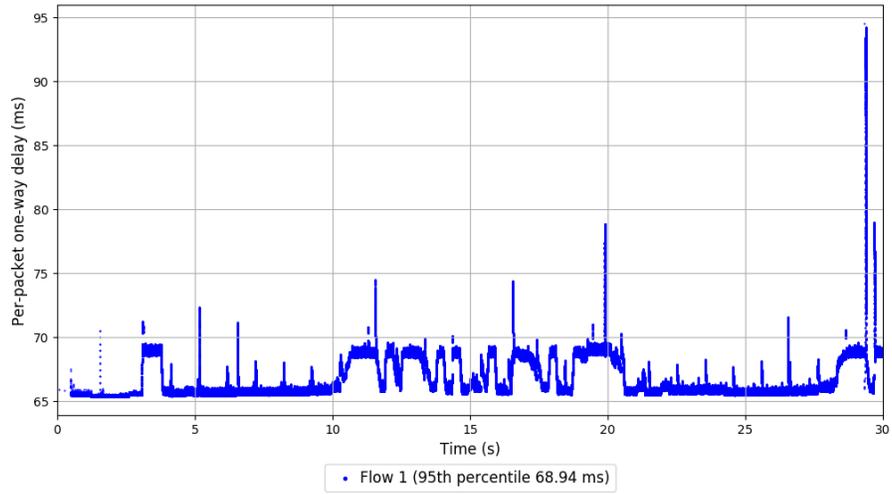
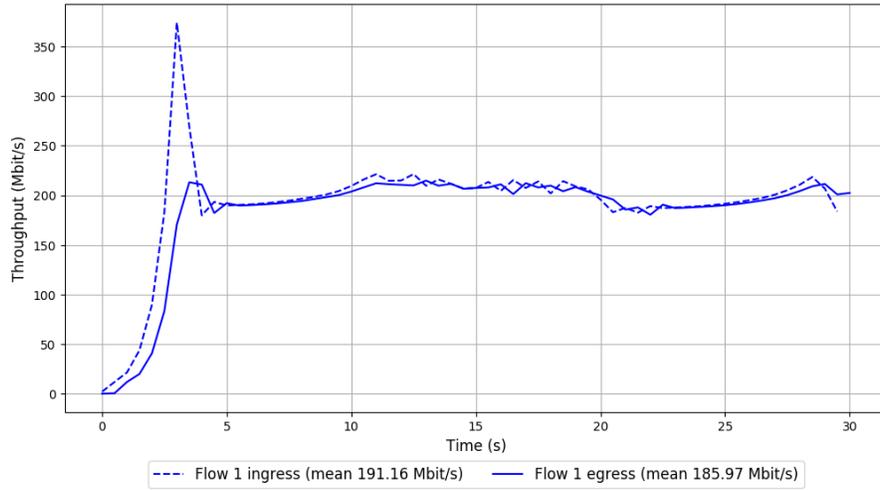


Run 9: Statistics of PCC-Expr

Start at: 2018-08-21 22:18:03
End at: 2018-08-21 22:18:33
Local clock offset: 1.772 ms
Remote clock offset: -32.457 ms

Below is generated by plot.py at 2018-08-21 23:43:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.97 Mbit/s
95th percentile per-packet one-way delay: 68.939 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 185.97 Mbit/s
95th percentile per-packet one-way delay: 68.939 ms
Loss rate: 2.70%

Run 9: Report of PCC-Expr — Data Link

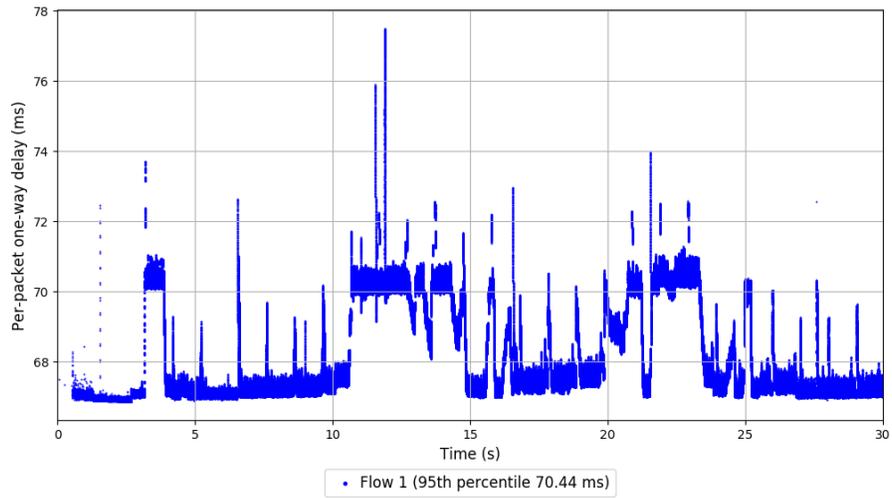
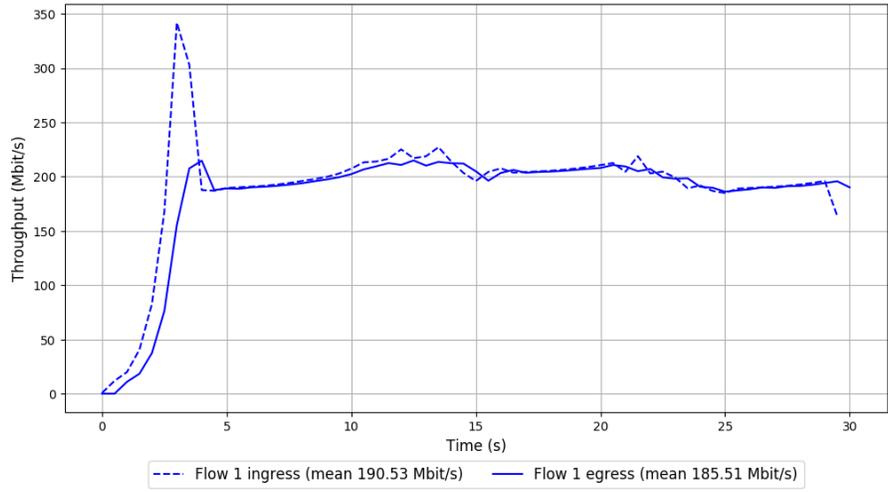


Run 10: Statistics of PCC-Expr

Start at: 2018-08-21 22:45:49
End at: 2018-08-21 22:46:19
Local clock offset: 0.178 ms
Remote clock offset: -34.816 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.51 Mbit/s
95th percentile per-packet one-way delay: 70.436 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 185.51 Mbit/s
95th percentile per-packet one-way delay: 70.436 ms
Loss rate: 2.64%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

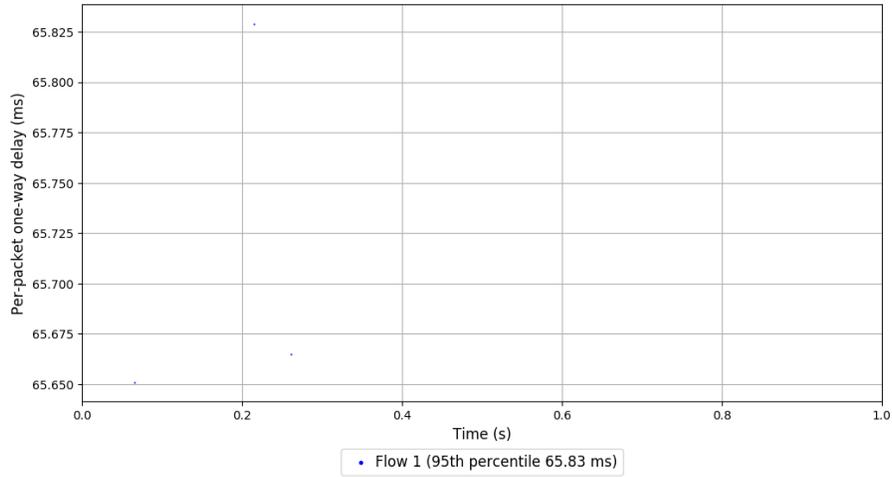
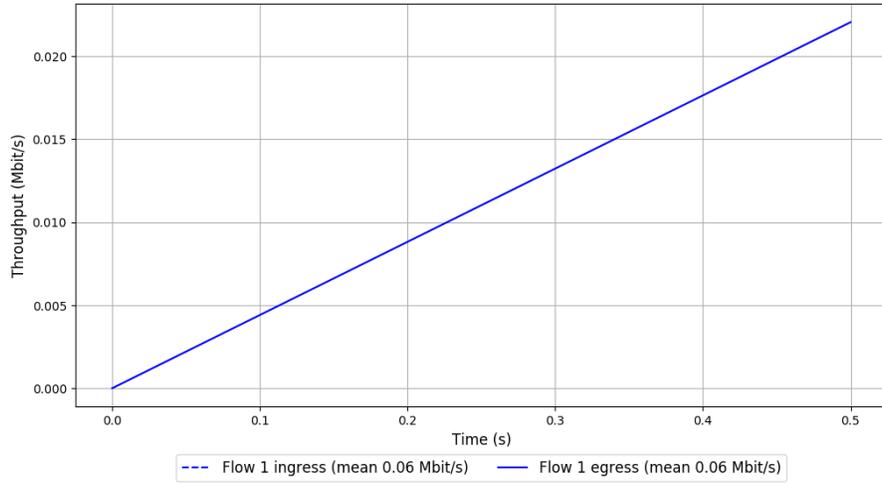
Start at: 2018-08-21 19:11:05

End at: 2018-08-21 19:11:35

Local clock offset: -13.838 ms

Remote clock offset: -39.99 ms

Run 1: Report of QUIC Cubic — Data Link

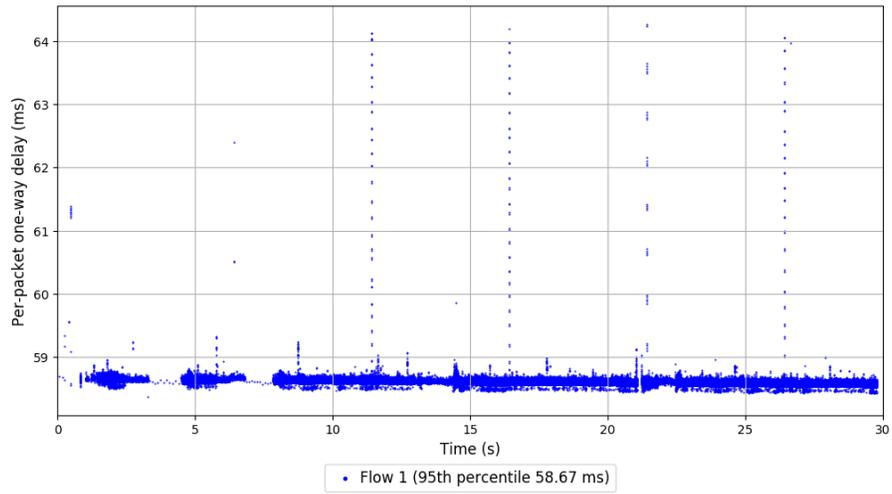
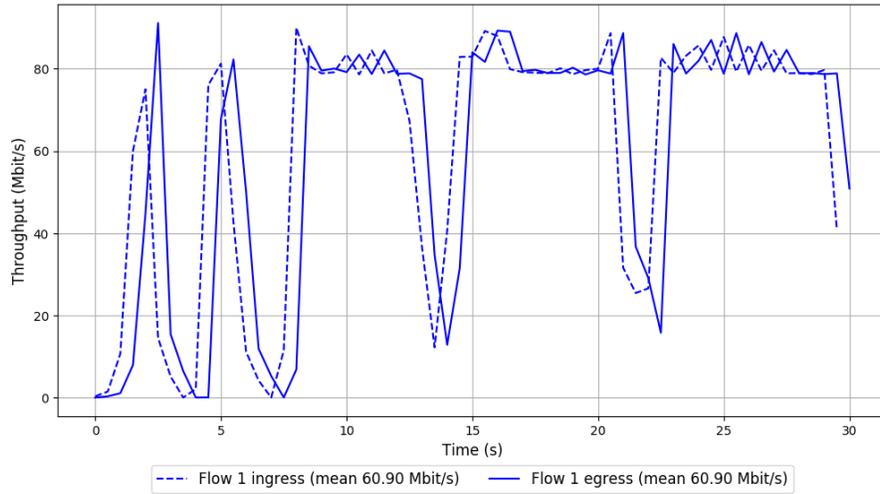


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-21 19:33:21
End at: 2018-08-21 19:33:51
Local clock offset: -6.007 ms
Remote clock offset: -39.027 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 58.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 58.671 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

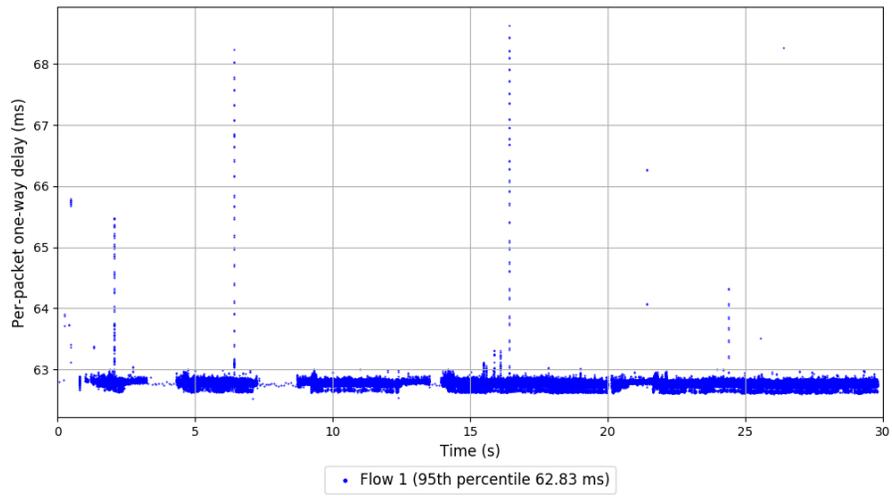
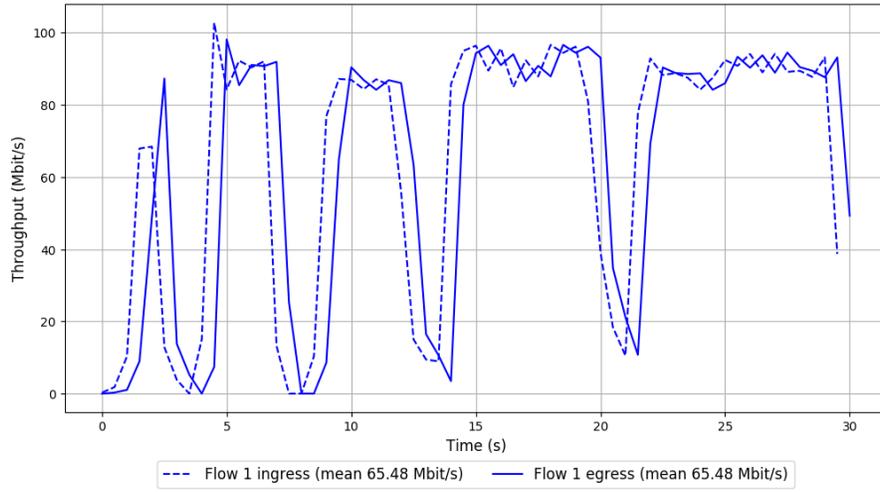


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-21 20:00:57
End at: 2018-08-21 20:01:27
Local clock offset: -3.37 ms
Remote clock offset: -36.856 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.48 Mbit/s
95th percentile per-packet one-way delay: 62.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.48 Mbit/s
95th percentile per-packet one-way delay: 62.831 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

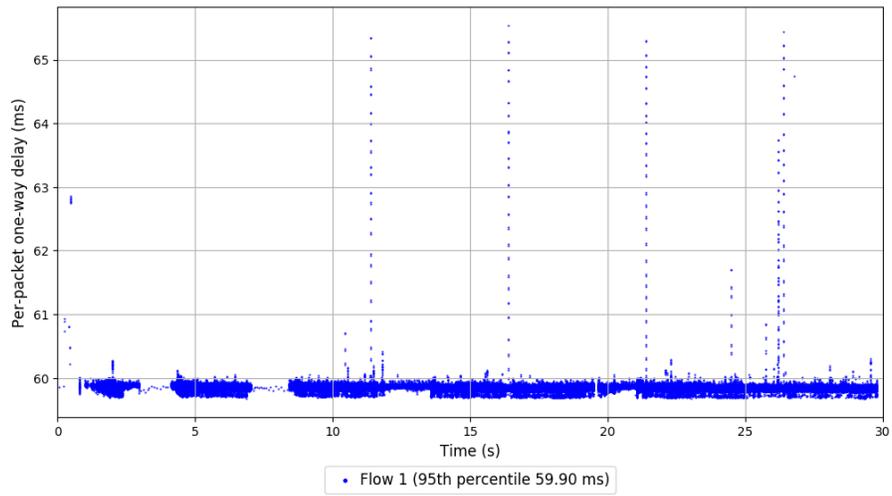
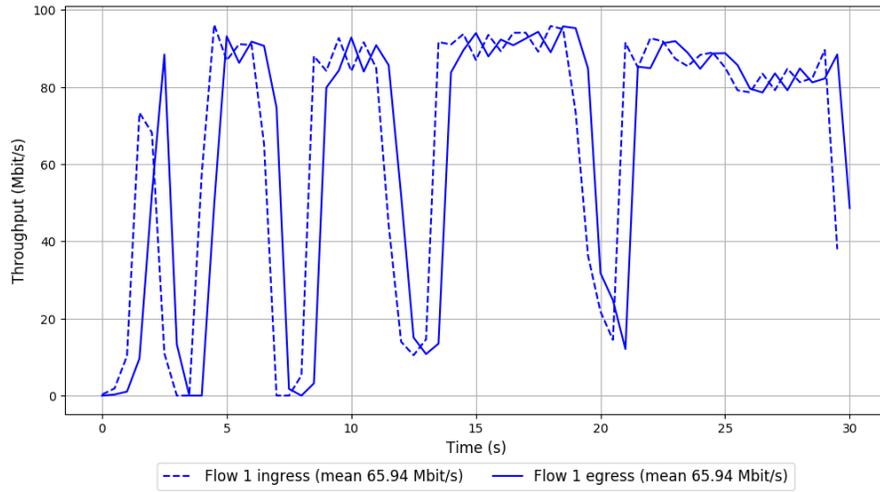


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-21 20:23:10
End at: 2018-08-21 20:23:40
Local clock offset: -2.705 ms
Remote clock offset: -39.005 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 59.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 59.899 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-21 20:50:49
End at: 2018-08-21 20:51:19
Local clock offset: -3.311 ms
Remote clock offset: -35.411 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

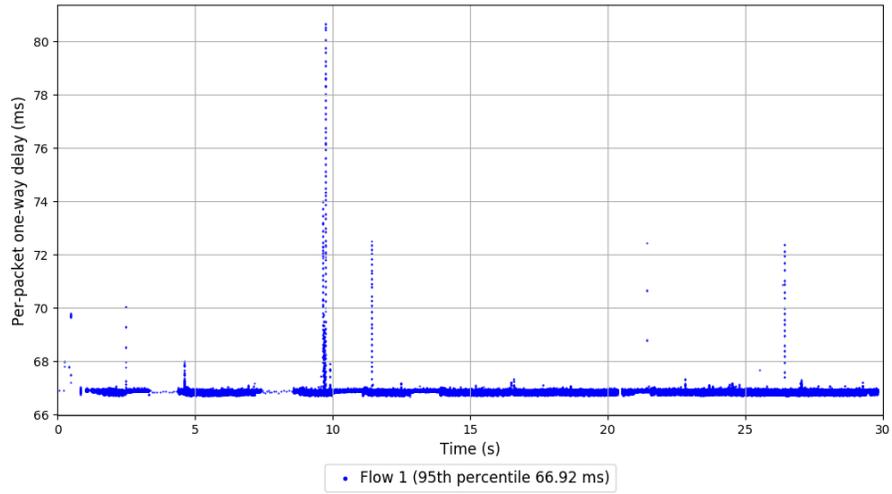
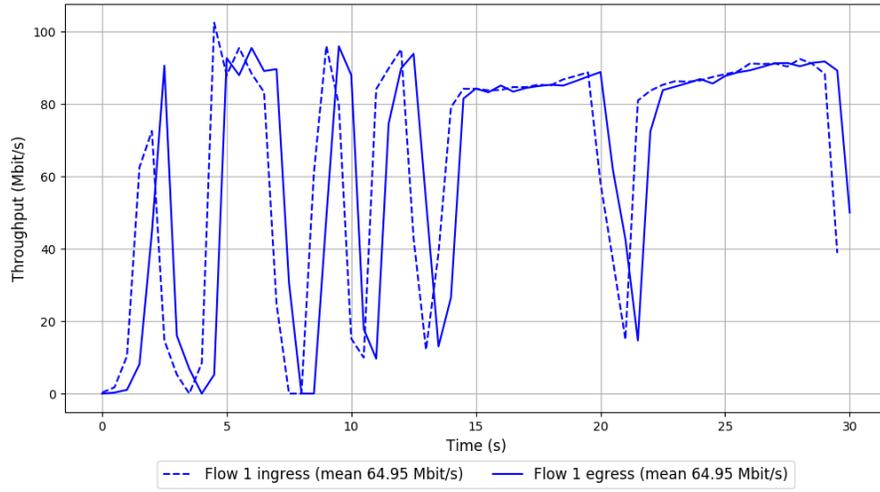
-- Total of 1 flow:

Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 66.917 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 66.917 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-21 21:13:08
End at: 2018-08-21 21:13:38
Local clock offset: -2.011 ms
Remote clock offset: -32.853 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

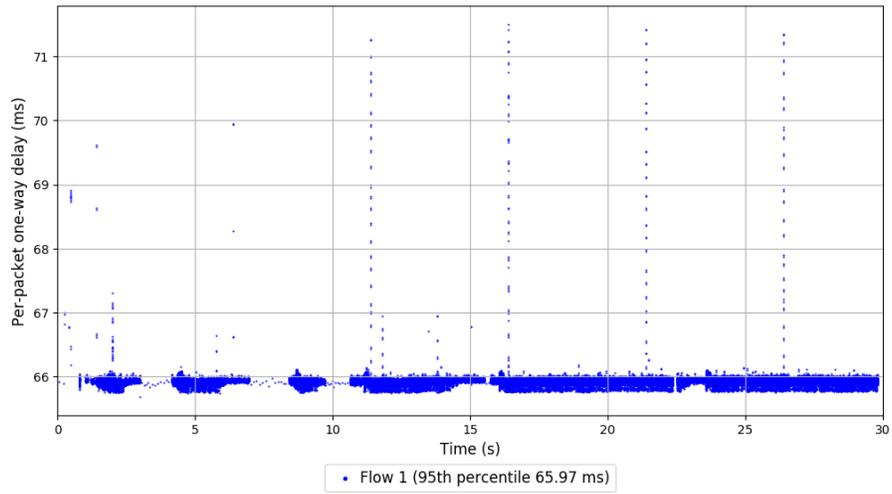
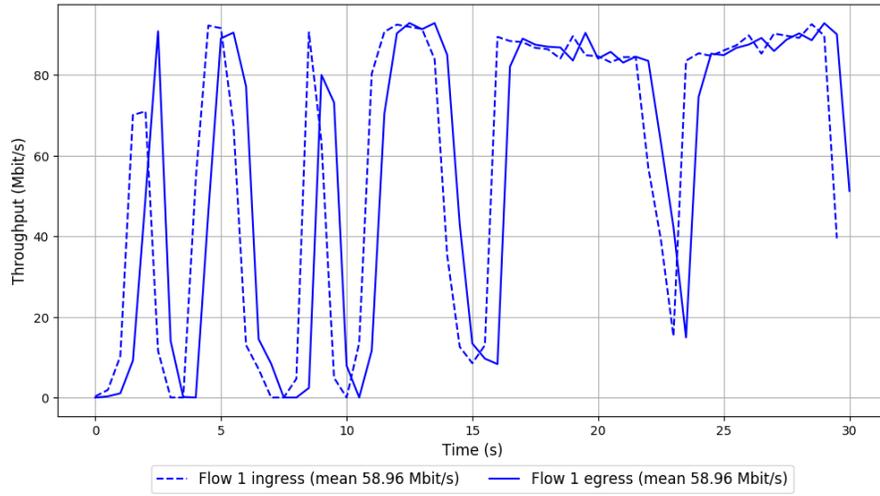
-- Total of 1 flow:

Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 65.969 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 65.969 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-21 21:35:17

End at: 2018-08-21 21:35:47

Local clock offset: 1.372 ms

Remote clock offset: -39.13 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.20 Mbit/s

95th percentile per-packet one-way delay: 56.541 ms

Loss rate: 0.00%

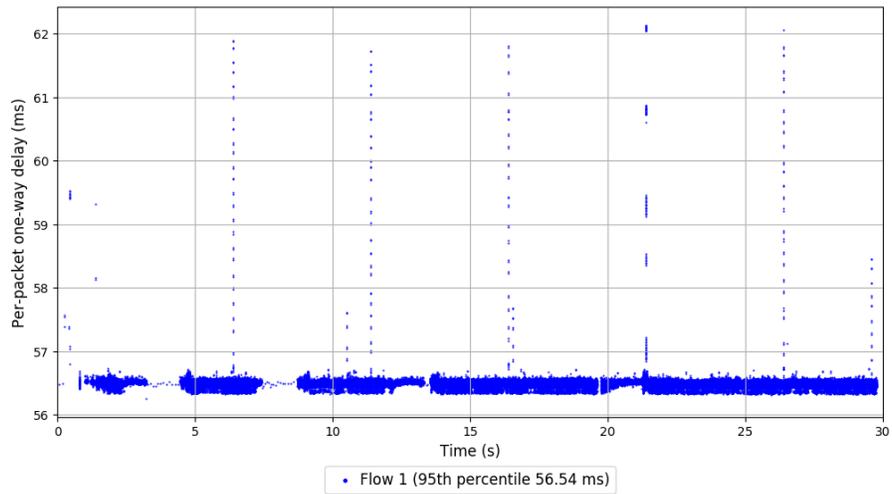
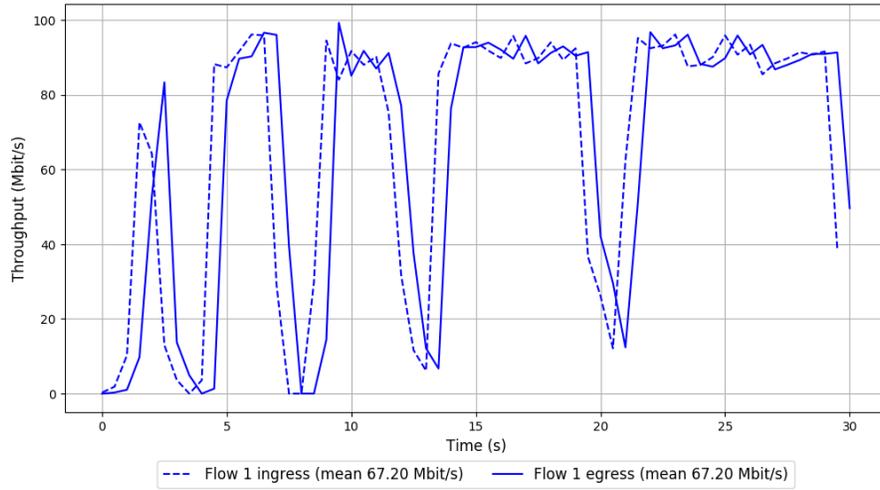
-- Flow 1:

Average throughput: 67.20 Mbit/s

95th percentile per-packet one-way delay: 56.541 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-21 21:57:23

End at: 2018-08-21 21:57:53

Local clock offset: -0.619 ms

Remote clock offset: -40.61 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.78 Mbit/s

95th percentile per-packet one-way delay: 61.739 ms

Loss rate: 0.00%

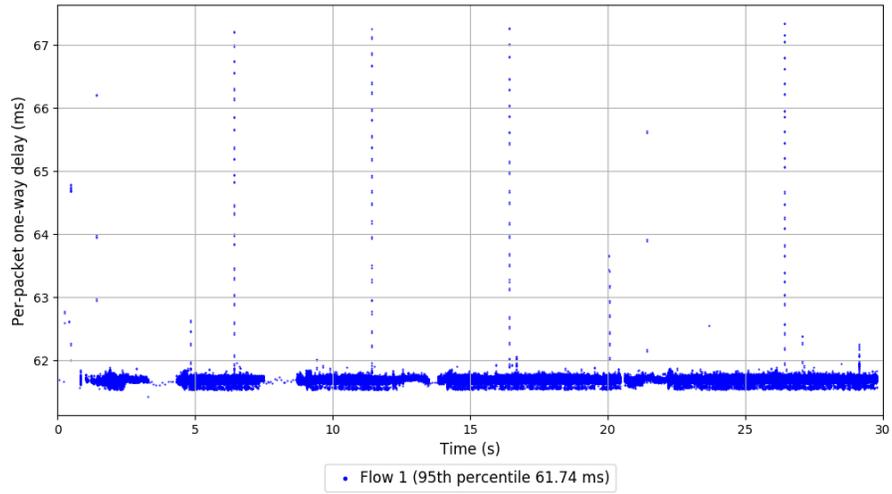
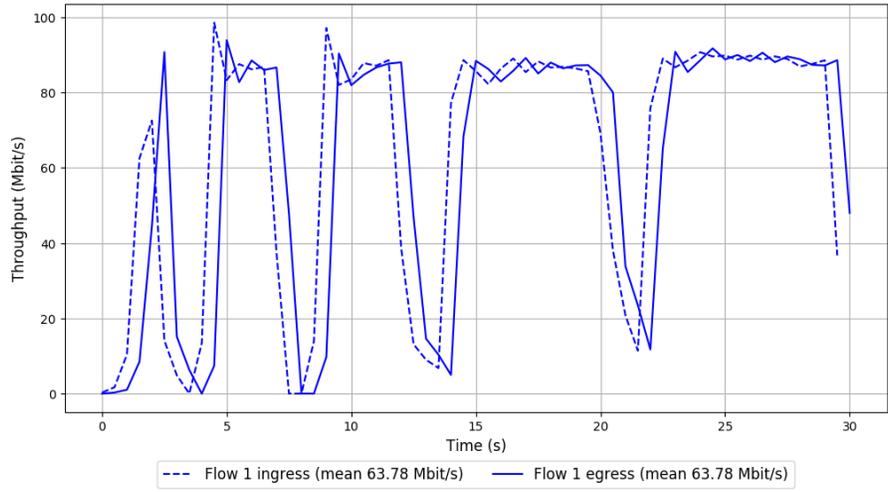
-- Flow 1:

Average throughput: 63.78 Mbit/s

95th percentile per-packet one-way delay: 61.739 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-21 22:19:30
End at: 2018-08-21 22:20:00
Local clock offset: 1.197 ms
Remote clock offset: -33.997 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

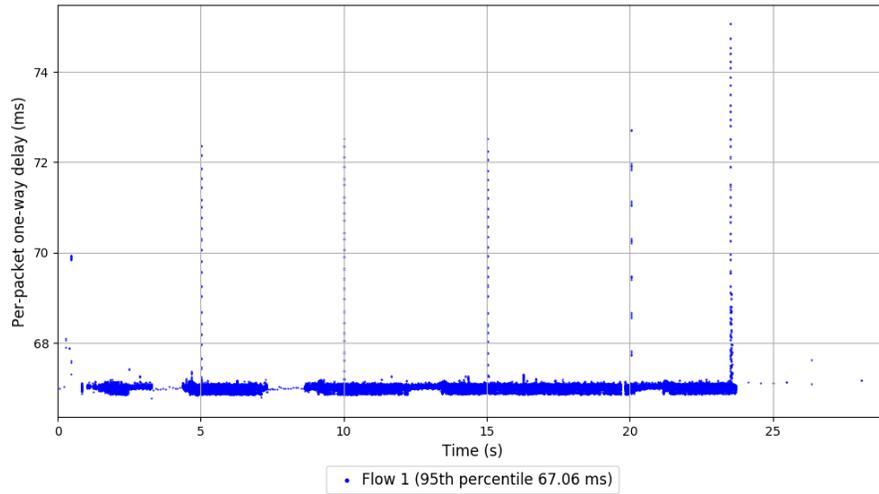
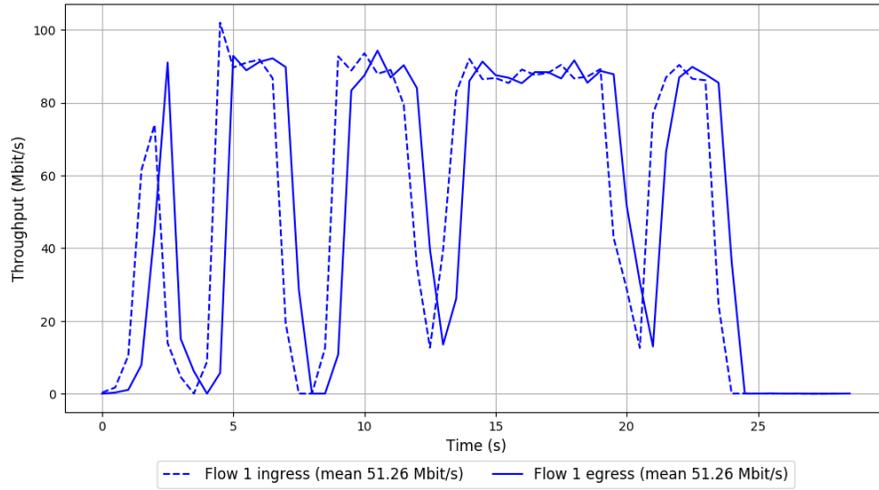
-- Total of 1 flow:

Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 67.064 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 67.064 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-21 22:47:16

End at: 2018-08-21 22:47:46

Local clock offset: 0.988 ms

Remote clock offset: -37.48 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.51 Mbit/s

95th percentile per-packet one-way delay: 61.416 ms

Loss rate: 0.00%

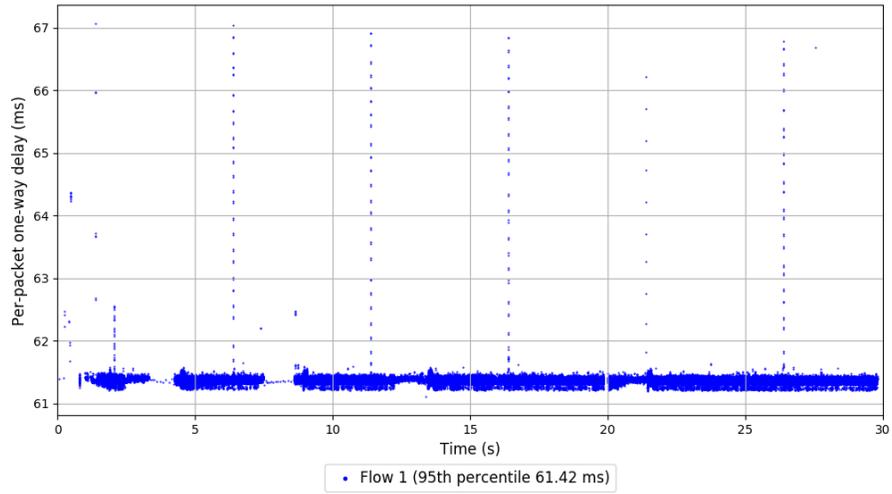
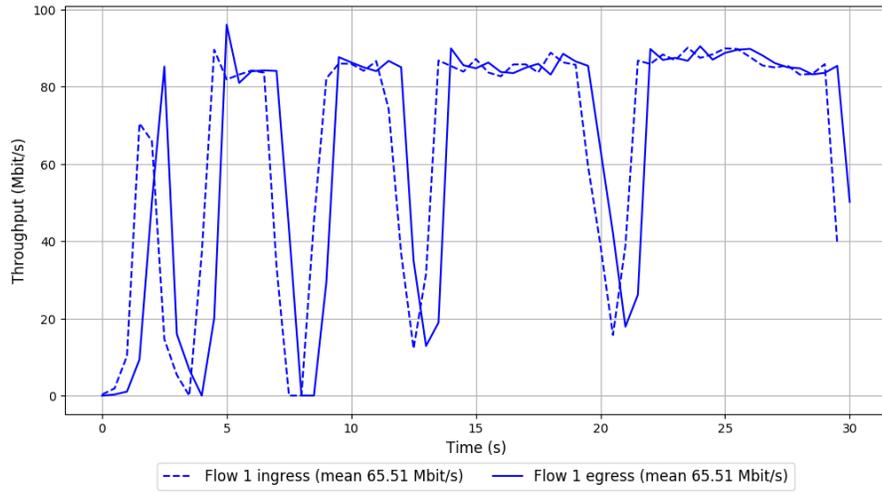
-- Flow 1:

Average throughput: 65.51 Mbit/s

95th percentile per-packet one-way delay: 61.416 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

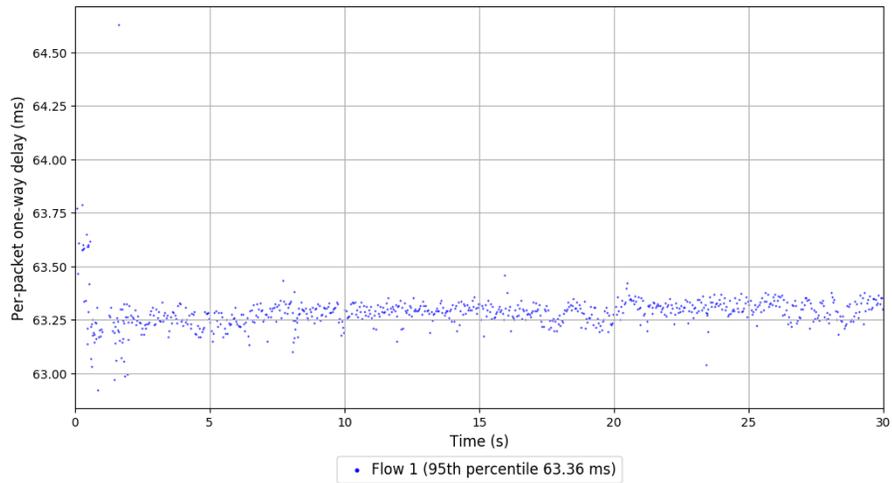
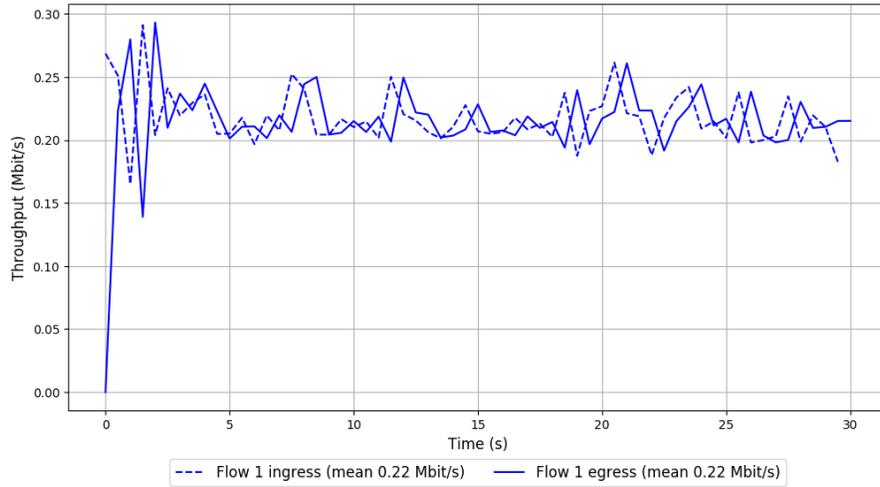


Run 1: Statistics of SCReAM

Start at: 2018-08-21 19:18:53
End at: 2018-08-21 19:19:23
Local clock offset: -7.319 ms
Remote clock offset: -39.361 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.357 ms
Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link

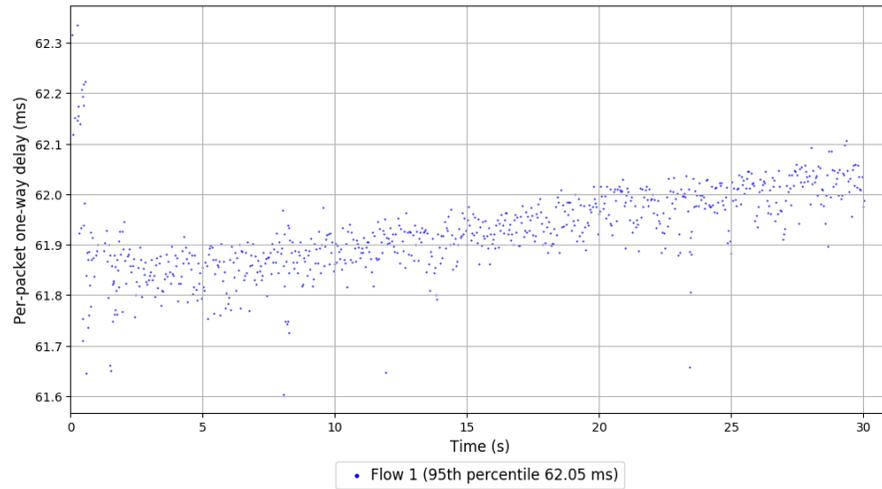
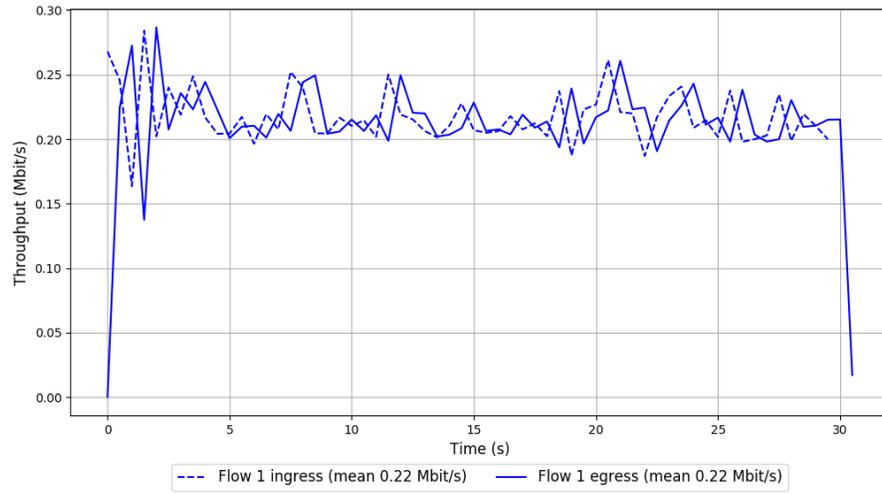


Run 2: Statistics of SCReAM

Start at: 2018-08-21 19:41:08
End at: 2018-08-21 19:41:38
Local clock offset: -3.16 ms
Remote clock offset: -35.233 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.046 ms
Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link

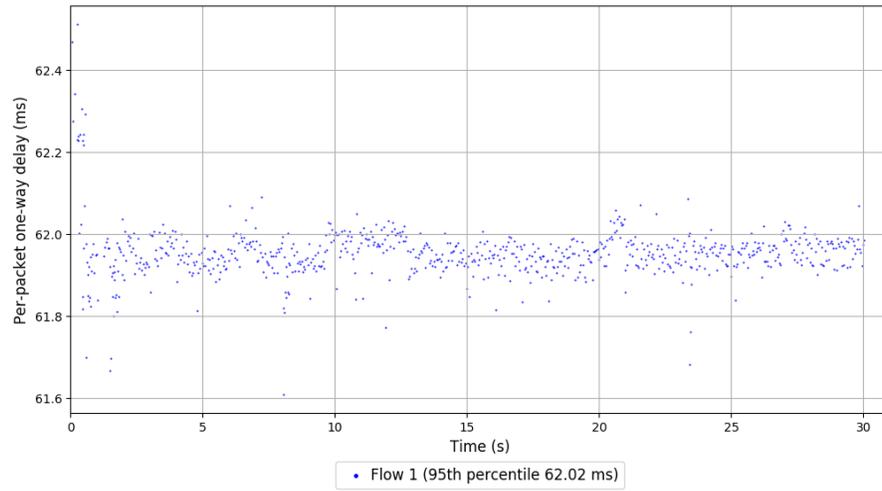
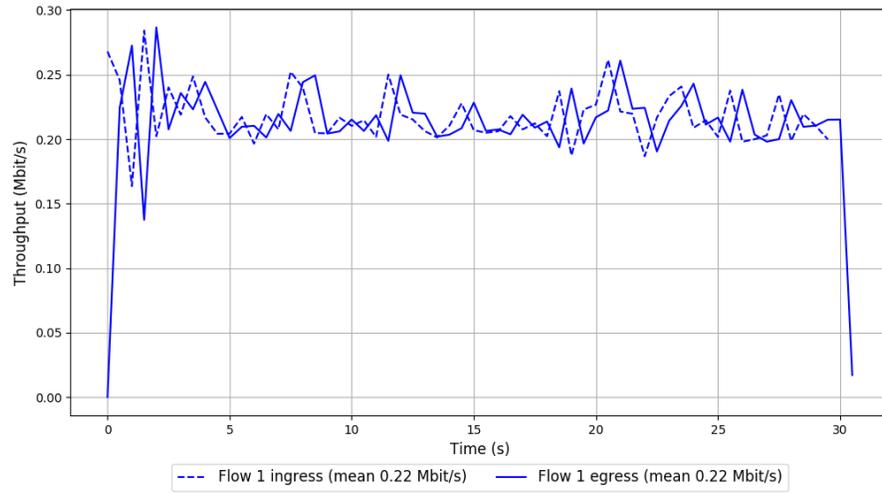


Run 3: Statistics of SCReAM

Start at: 2018-08-21 20:08:49
End at: 2018-08-21 20:09:19
Local clock offset: -2.417 ms
Remote clock offset: -36.548 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.024 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

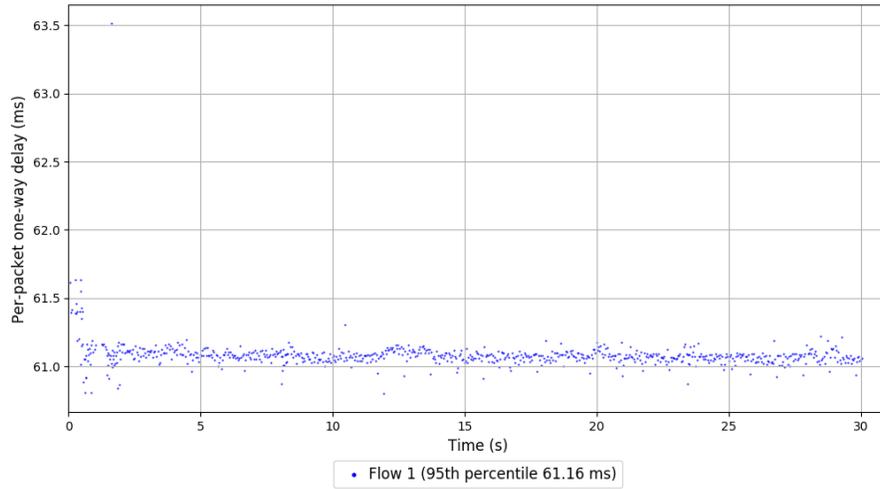
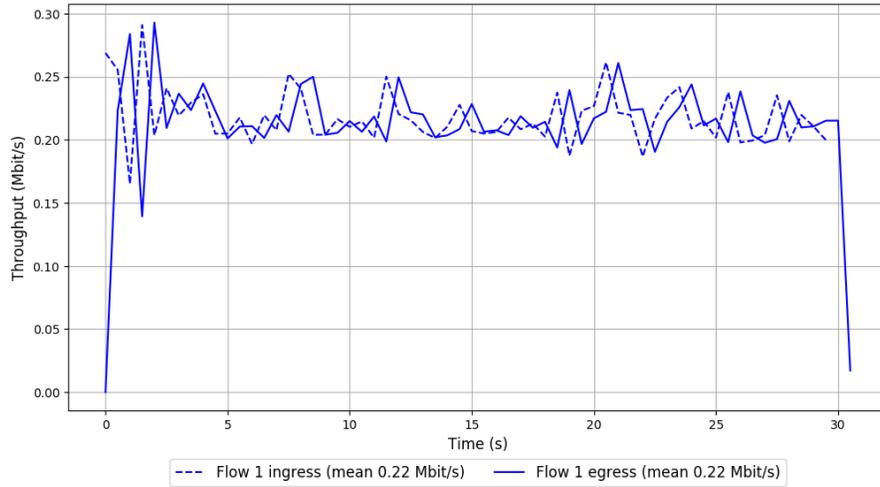


Run 4: Statistics of SCReAM

Start at: 2018-08-21 20:30:56
End at: 2018-08-21 20:31:26
Local clock offset: -3.784 ms
Remote clock offset: -41.073 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.162 ms
Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link

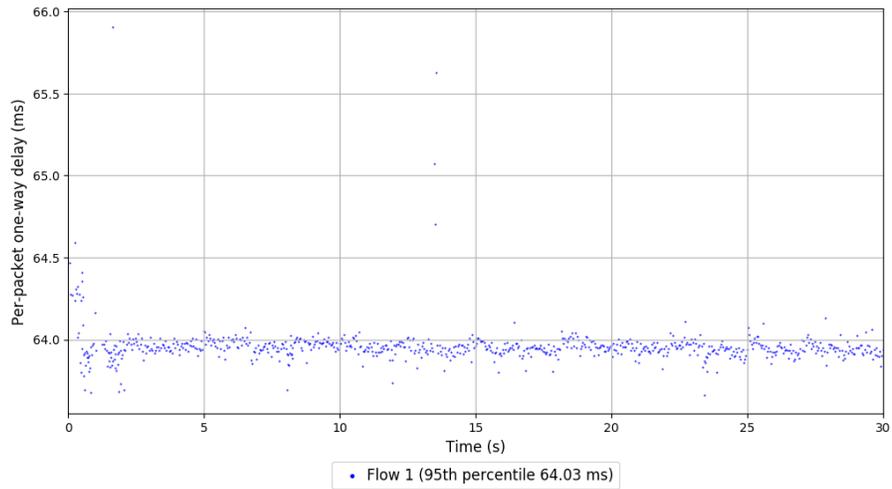
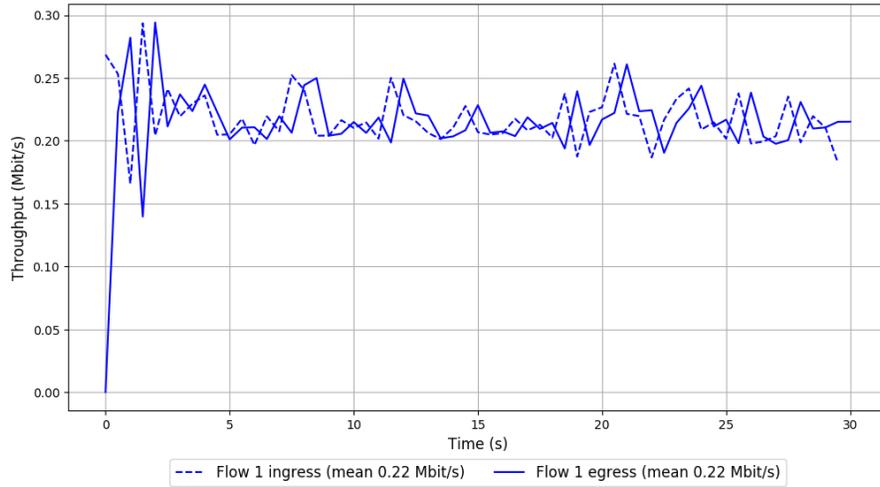


Run 5: Statistics of SCReAM

Start at: 2018-08-21 20:58:45
End at: 2018-08-21 20:59:15
Local clock offset: 1.01 ms
Remote clock offset: -34.315 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.034 ms
Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

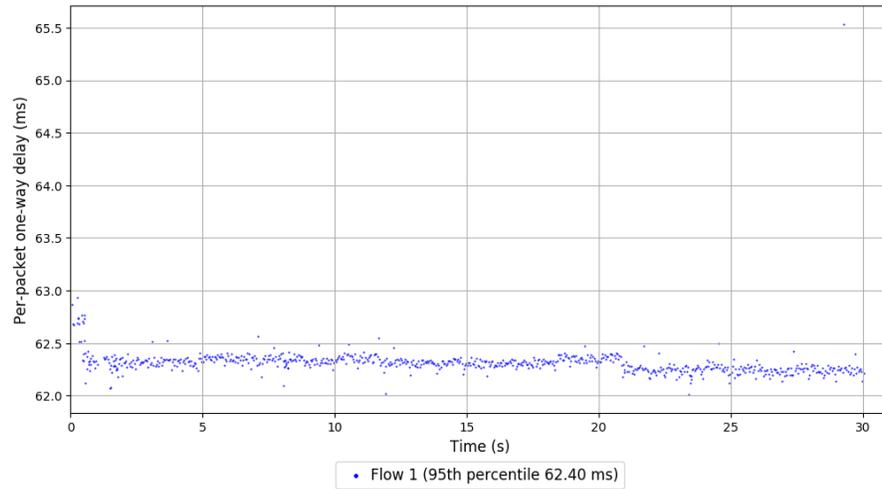
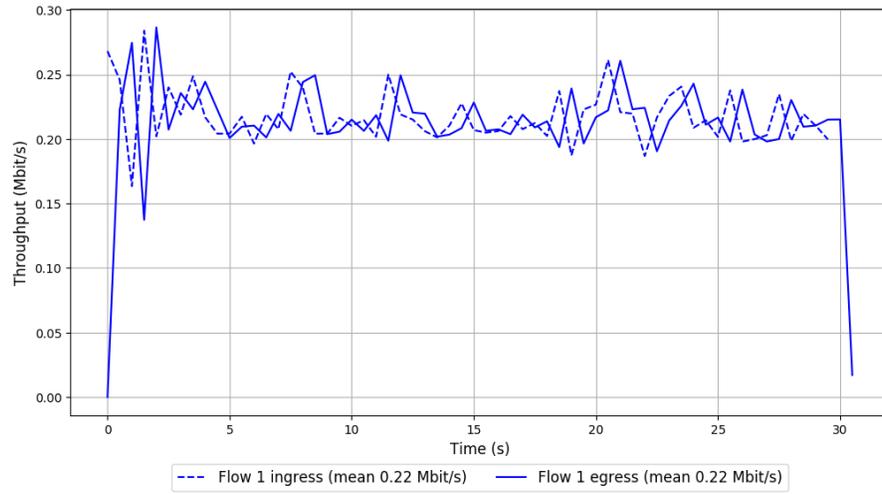


Run 6: Statistics of SCReAM

Start at: 2018-08-21 21:20:52
End at: 2018-08-21 21:21:22
Local clock offset: 0.255 ms
Remote clock offset: -34.772 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.402 ms
Loss rate: 0.00%

Run 6: Report of SCReAM — Data Link

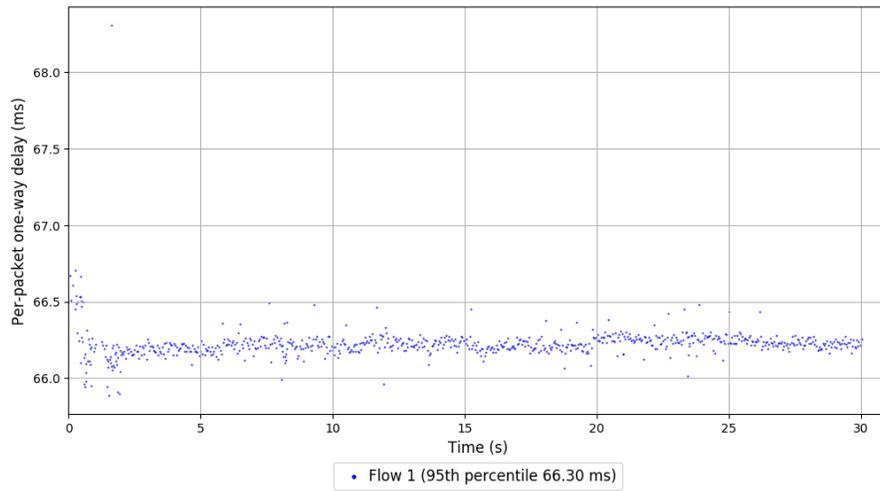
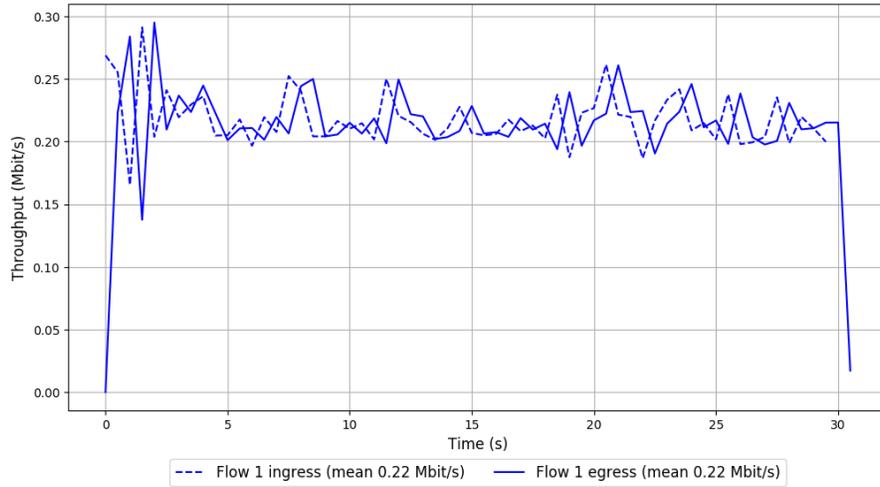


Run 7: Statistics of SCReAM

Start at: 2018-08-21 21:43:02
End at: 2018-08-21 21:43:32
Local clock offset: 0.089 ms
Remote clock offset: -34.478 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.303 ms
Loss rate: 0.00%

Run 7: Report of SCReAM — Data Link

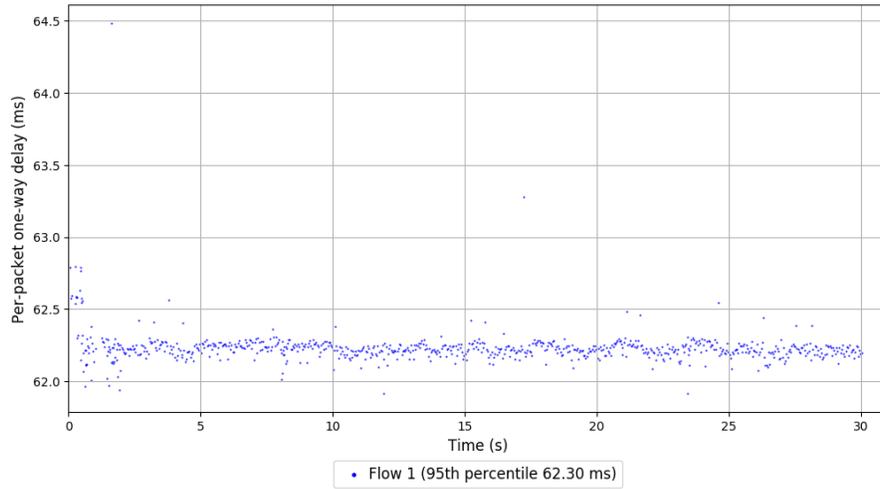
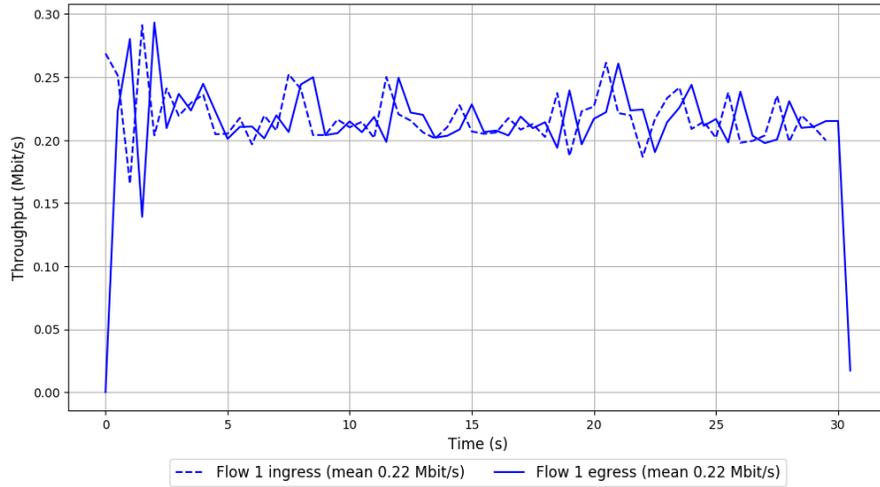


Run 8: Statistics of SCReAM

Start at: 2018-08-21 22:05:08
End at: 2018-08-21 22:05:38
Local clock offset: 0.595 ms
Remote clock offset: -39.158 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.303 ms
Loss rate: 0.00%

Run 8: Report of SCReAM — Data Link

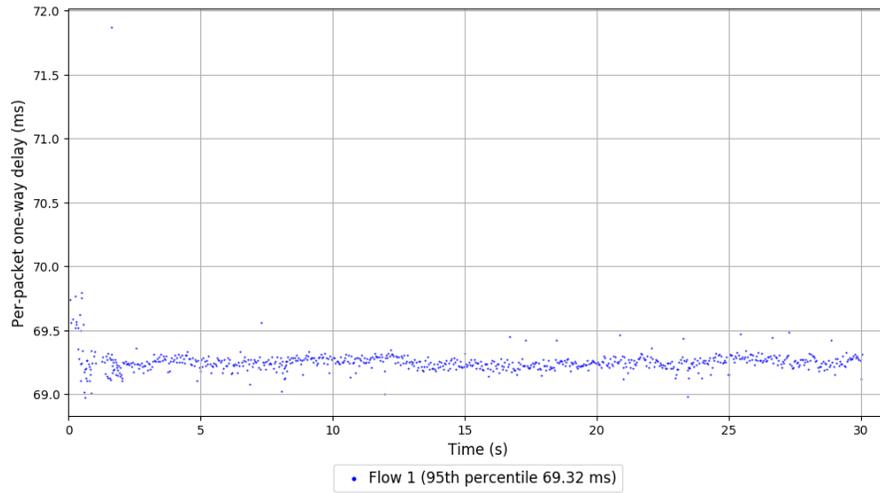
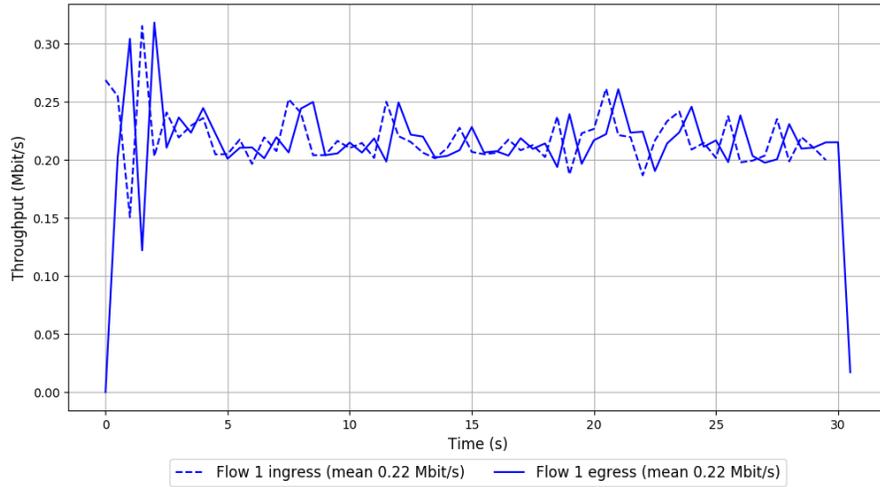


Run 9: Statistics of SCReAM

Start at: 2018-08-21 22:32:54
End at: 2018-08-21 22:33:24
Local clock offset: 0.616 ms
Remote clock offset: -33.307 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 69.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 69.323 ms
Loss rate: 0.00%

Run 9: Report of SCReAM — Data Link

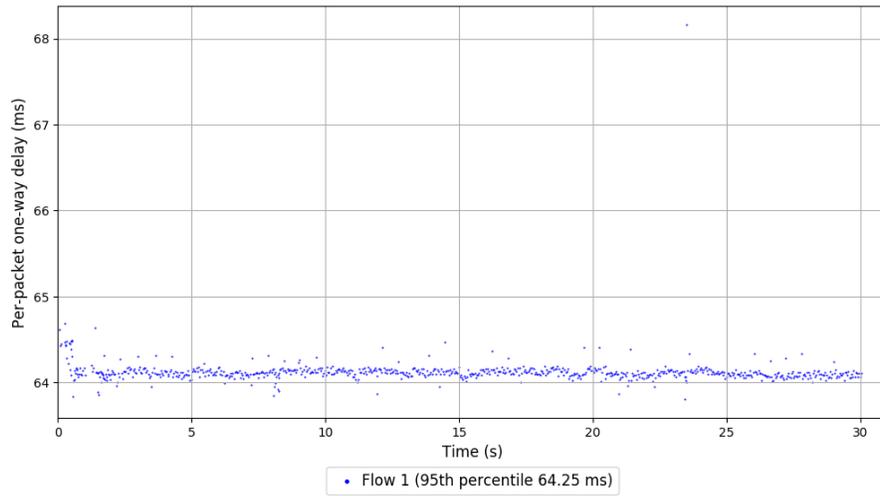
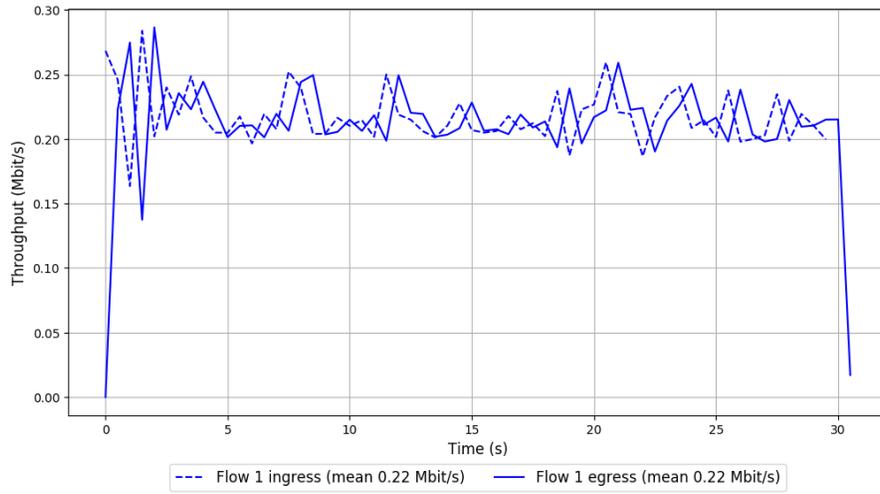


Run 10: Statistics of SReAM

Start at: 2018-08-21 22:55:00
End at: 2018-08-21 22:55:30
Local clock offset: -0.206 ms
Remote clock offset: -36.027 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.252 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

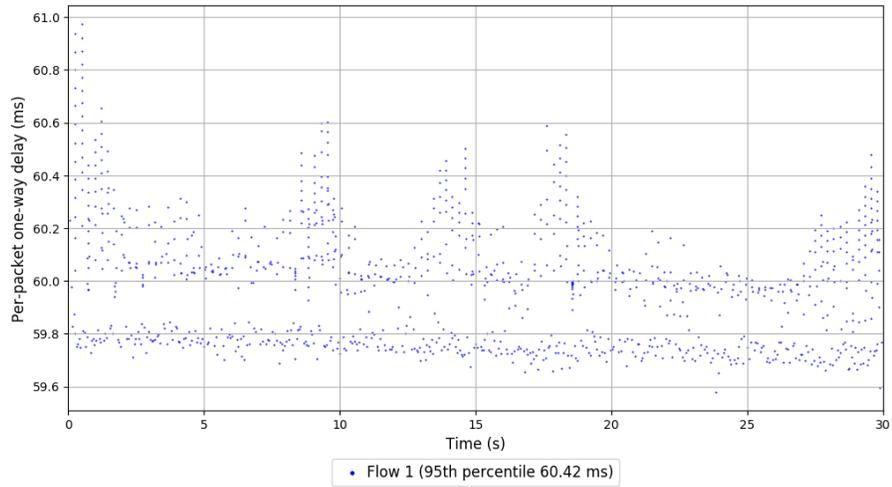
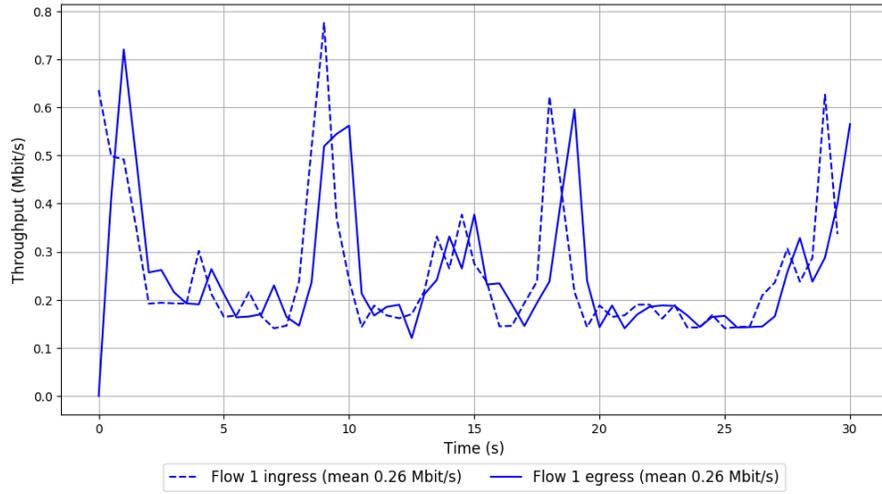


Run 1: Statistics of Sprout

Start at: 2018-08-21 18:58:41
End at: 2018-08-21 18:59:11
Local clock offset: -9.983 ms
Remote clock offset: -37.615 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 60.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 60.416 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

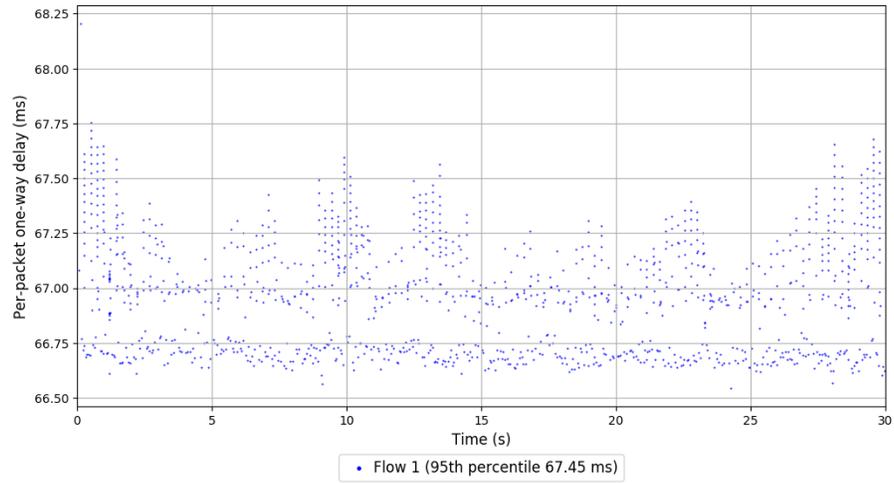
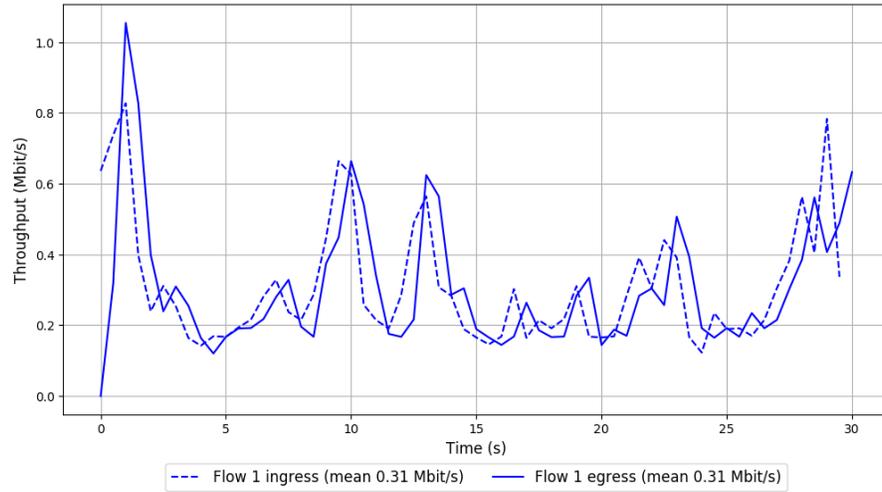


Run 2: Statistics of Sprout

Start at: 2018-08-21 19:26:24
End at: 2018-08-21 19:26:54
Local clock offset: -5.822 ms
Remote clock offset: -33.933 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 67.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 67.455 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

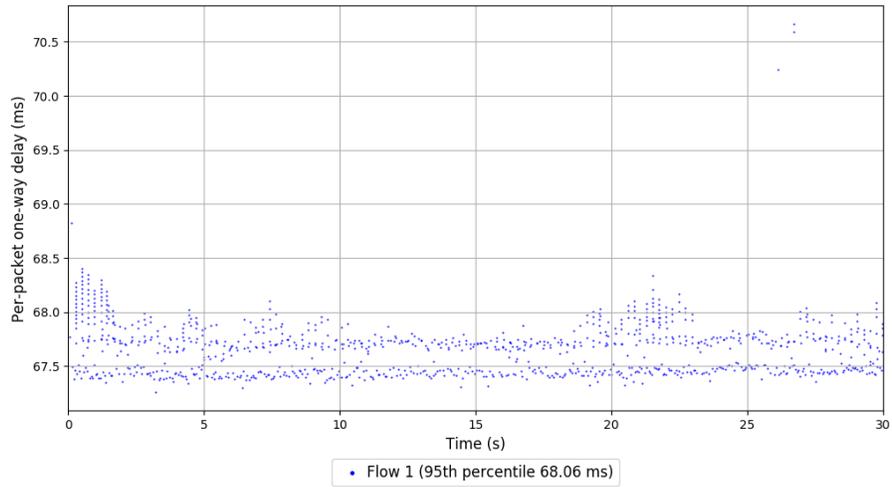
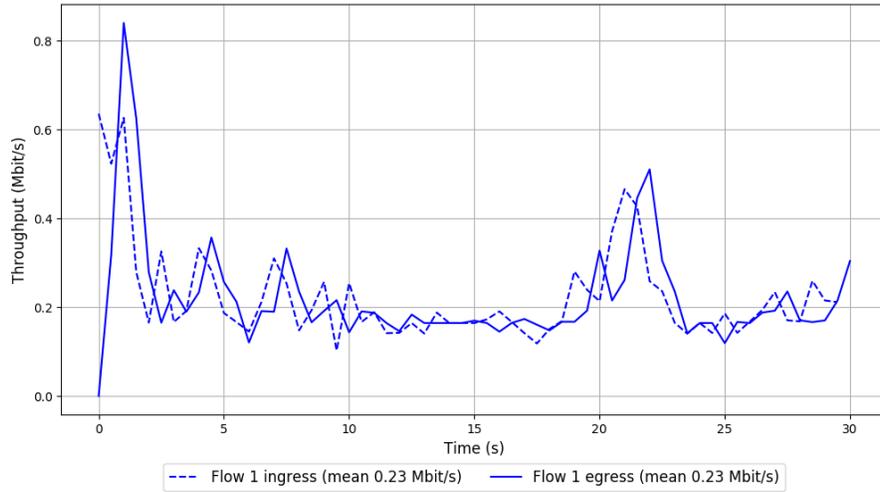


Run 3: Statistics of Sprout

Start at: 2018-08-21 19:48:36
End at: 2018-08-21 19:49:06
Local clock offset: -3.042 ms
Remote clock offset: -33.917 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 68.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 68.065 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

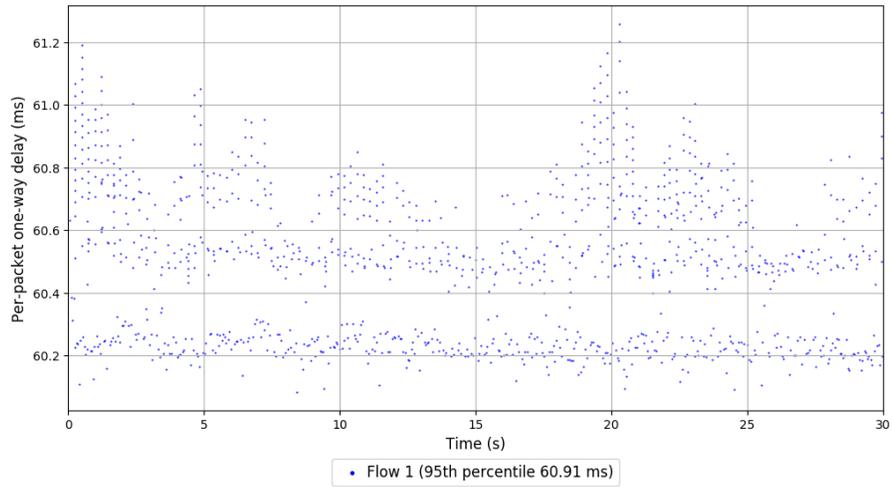
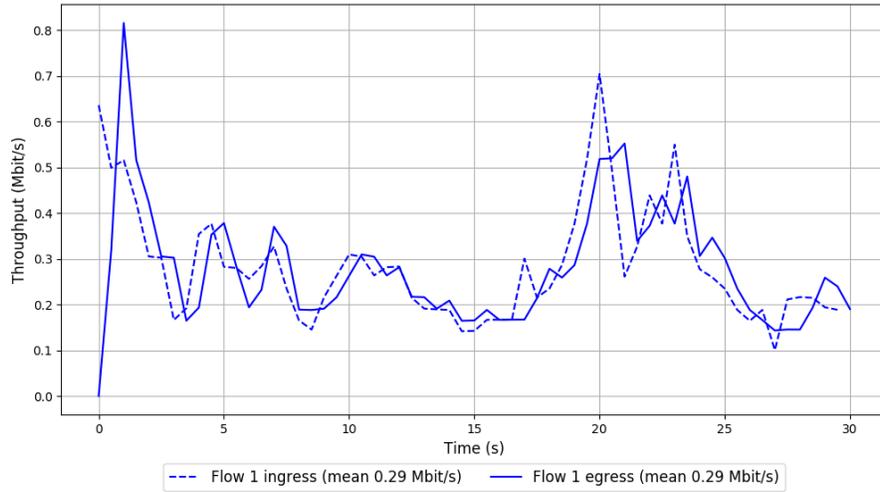


Run 4: Statistics of Sprout

Start at: 2018-08-21 20:16:19
End at: 2018-08-21 20:16:49
Local clock offset: -2.743 ms
Remote clock offset: -38.486 ms

```
# Below is generated by plot.py at 2018-08-21 23:43:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 60.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 60.915 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

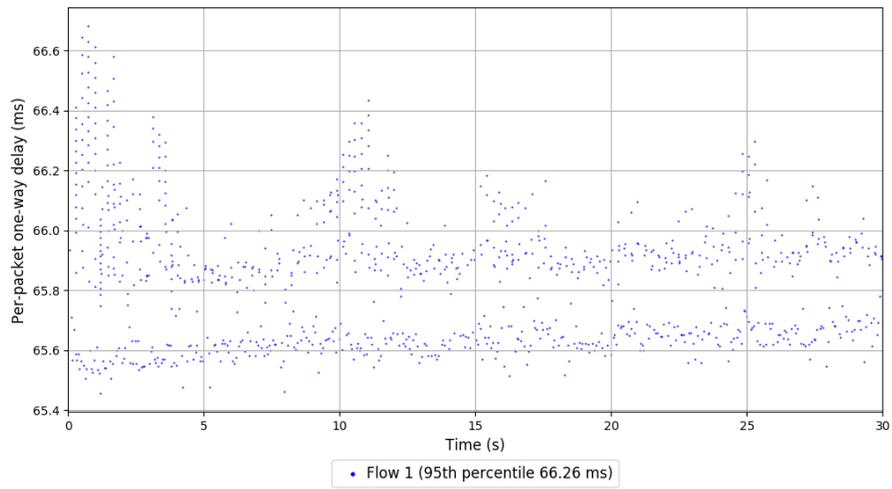
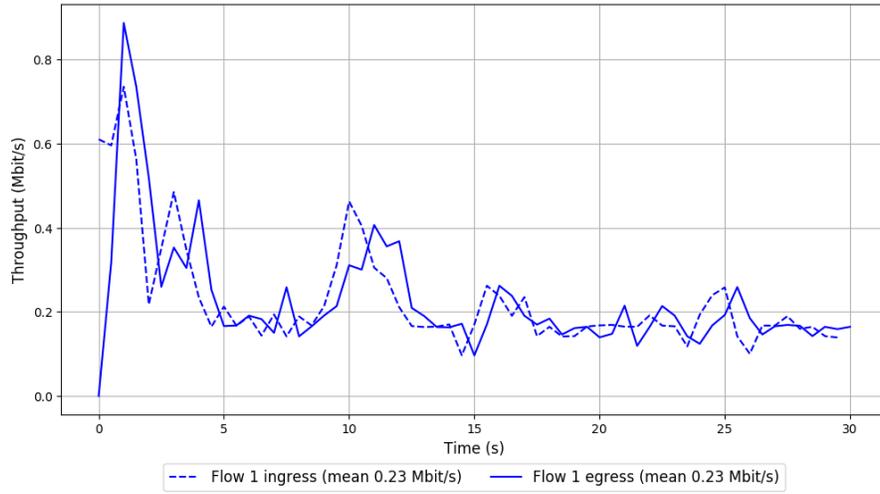


Run 5: Statistics of Sprout

Start at: 2018-08-21 20:38:27
End at: 2018-08-21 20:38:57
Local clock offset: -4.686 ms
Remote clock offset: -34.551 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 66.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 66.264 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

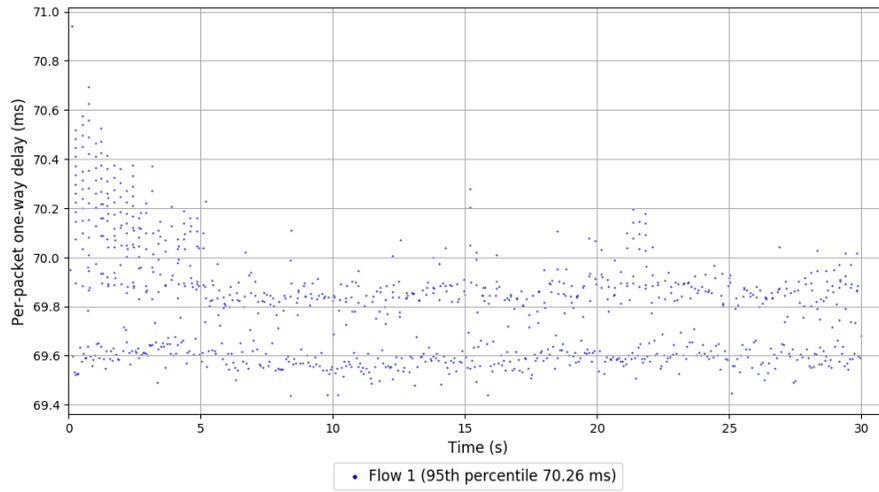
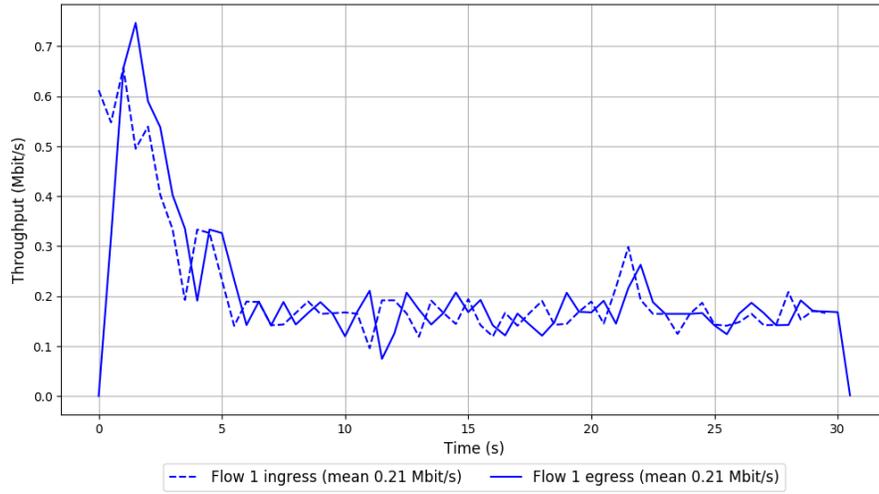


Run 6: Statistics of Sprout

Start at: 2018-08-21 21:06:14
End at: 2018-08-21 21:06:44
Local clock offset: -3.089 ms
Remote clock offset: -32.391 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 70.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 70.259 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

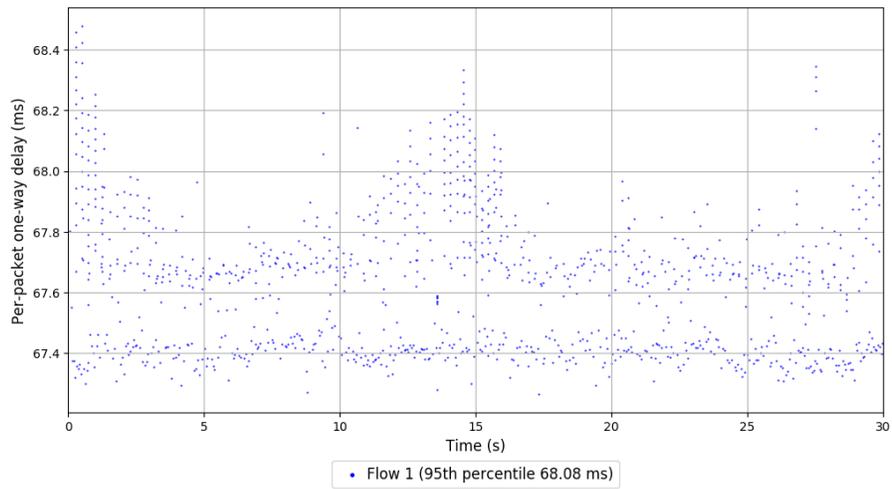
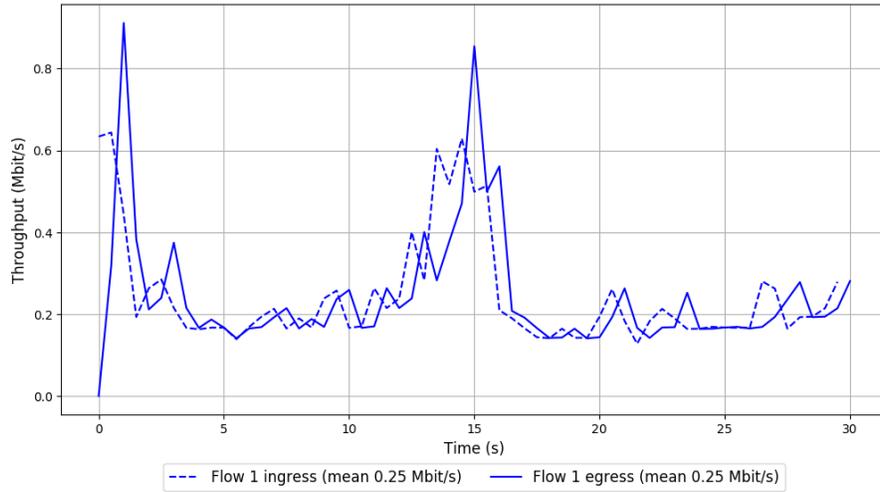


Run 7: Statistics of Sprout

Start at: 2018-08-21 21:28:20
End at: 2018-08-21 21:28:50
Local clock offset: -2.444 ms
Remote clock offset: -34.622 ms

```
# Below is generated by plot.py at 2018-08-21 23:43:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 68.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 68.084 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

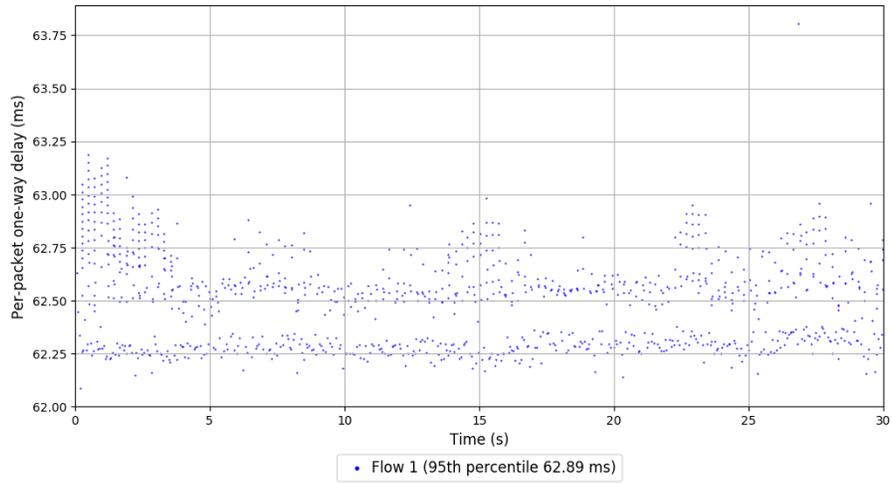
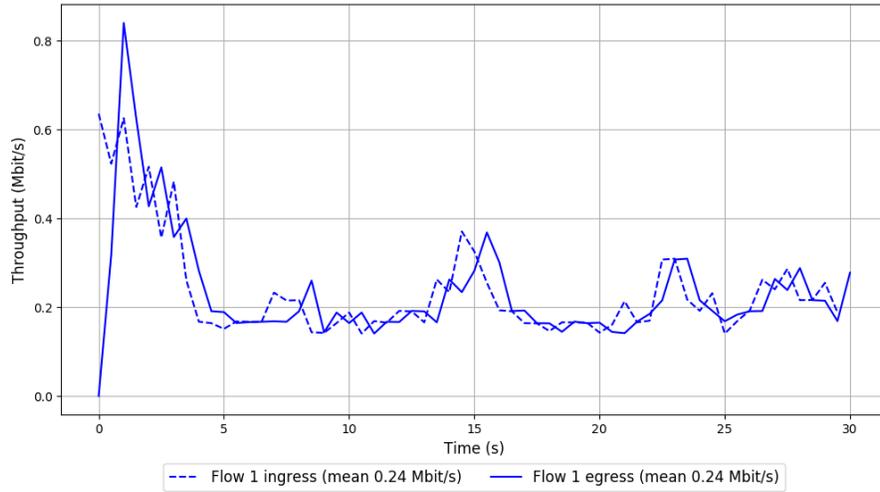


Run 8: Statistics of Sprout

Start at: 2018-08-21 21:50:30
End at: 2018-08-21 21:51:00
Local clock offset: 3.107 ms
Remote clock offset: -33.259 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

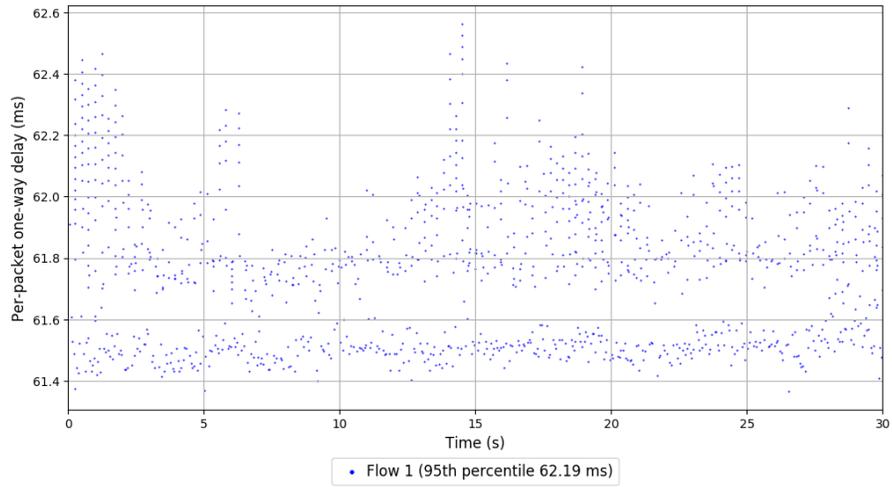
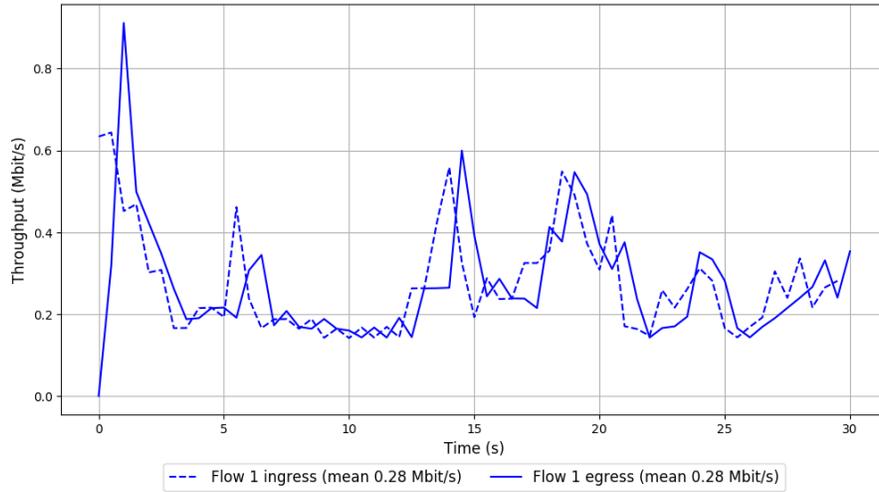


Run 9: Statistics of Sprout

Start at: 2018-08-21 22:12:37
End at: 2018-08-21 22:13:07
Local clock offset: 1.005 ms
Remote clock offset: -39.327 ms

Below is generated by plot.py at 2018-08-21 23:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 62.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 62.193 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-21 22:40:20

End at: 2018-08-21 22:40:50

Local clock offset: 3.612 ms

Remote clock offset: -33.77 ms

Below is generated by plot.py at 2018-08-21 23:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 65.765 ms

Loss rate: 0.00%

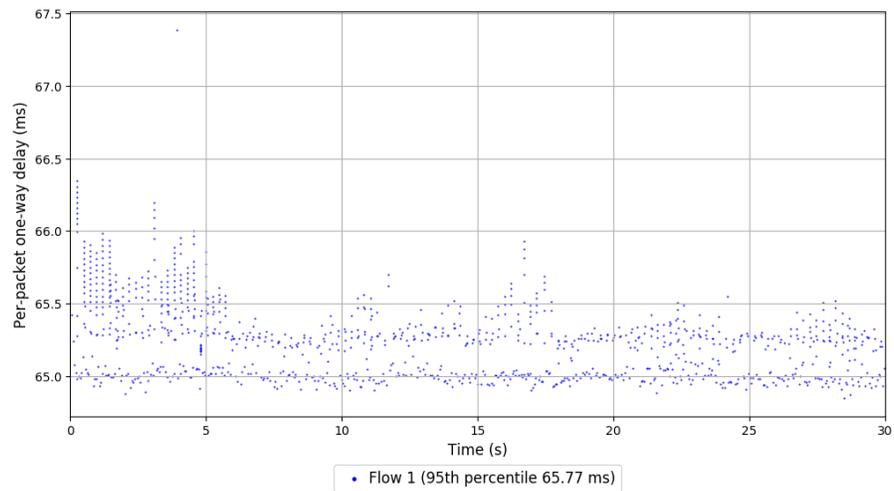
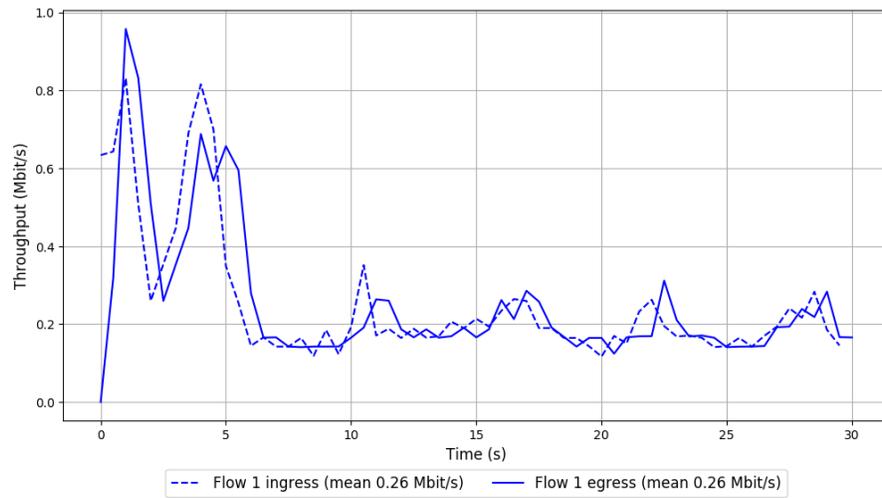
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 65.765 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-21 19:17:32
End at: 2018-08-21 19:18:02
Local clock offset: -3.804 ms
Remote clock offset: -35.002 ms

Below is generated by plot.py at 2018-08-21 23:44:34

Datalink statistics

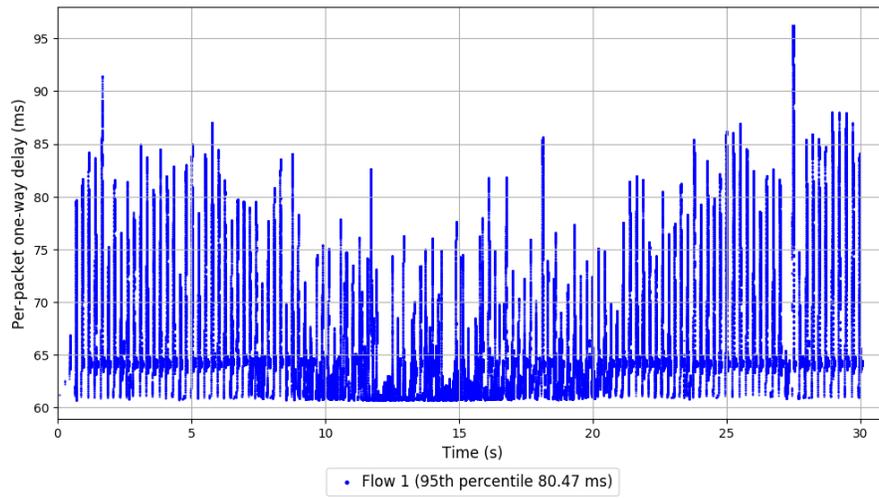
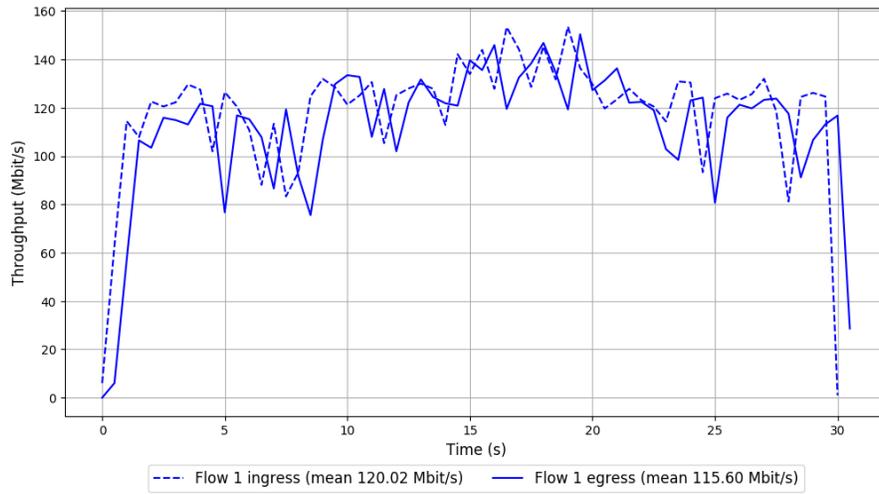
-- Total of 1 flow:

Average throughput: 115.60 Mbit/s
95th percentile per-packet one-way delay: 80.465 ms
Loss rate: 3.68%

-- Flow 1:

Average throughput: 115.60 Mbit/s
95th percentile per-packet one-way delay: 80.465 ms
Loss rate: 3.68%

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

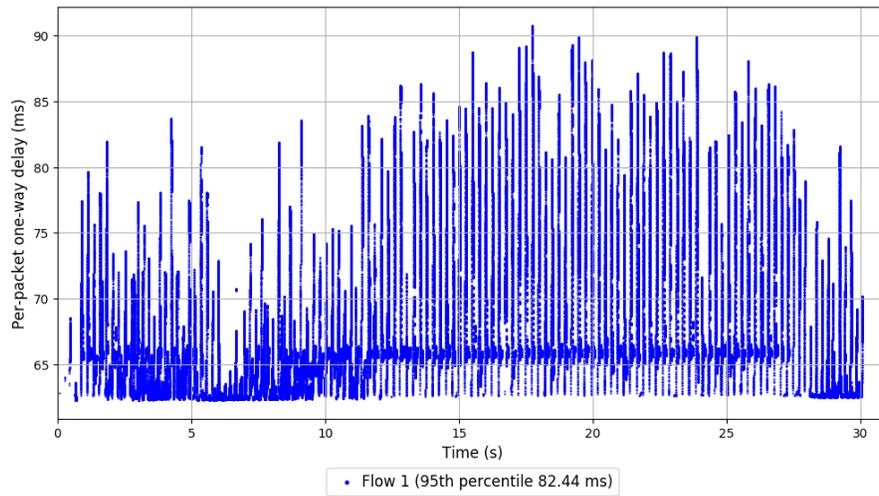
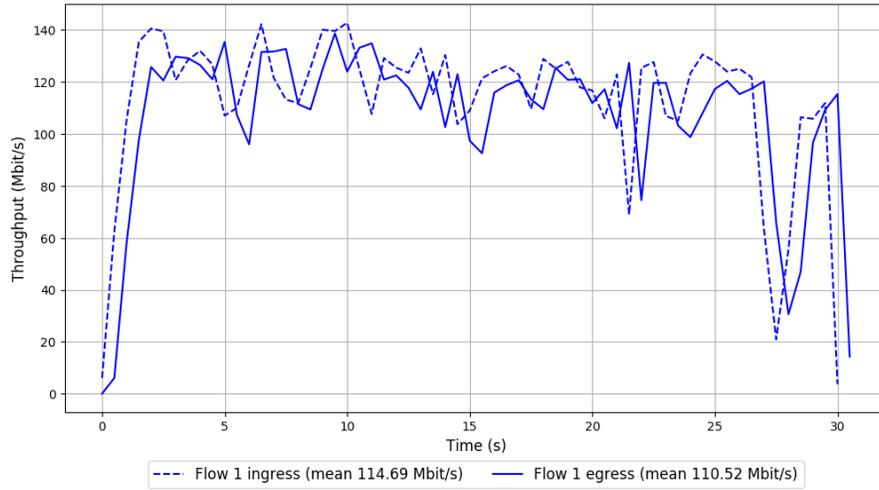


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-21 19:39:48
End at: 2018-08-21 19:40:18
Local clock offset: -7.235 ms
Remote clock offset: -38.112 ms

Below is generated by plot.py at 2018-08-21 23:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.52 Mbit/s
95th percentile per-packet one-way delay: 82.444 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 110.52 Mbit/s
95th percentile per-packet one-way delay: 82.444 ms
Loss rate: 3.63%

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

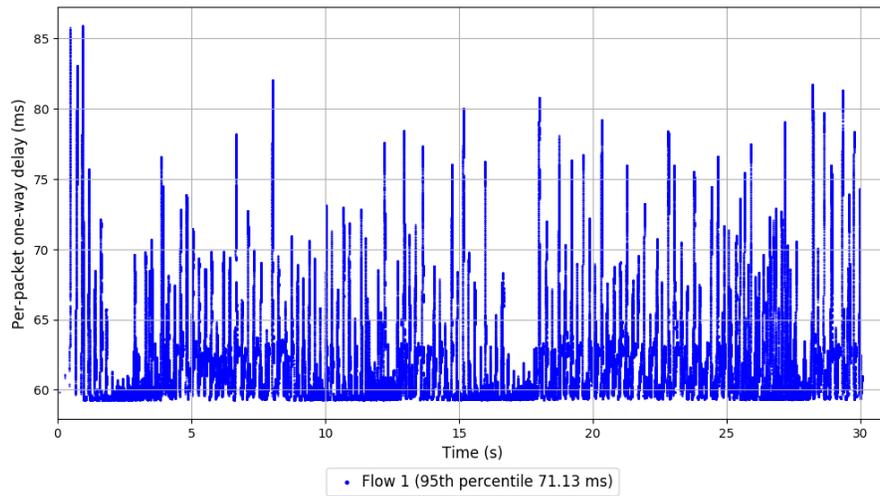
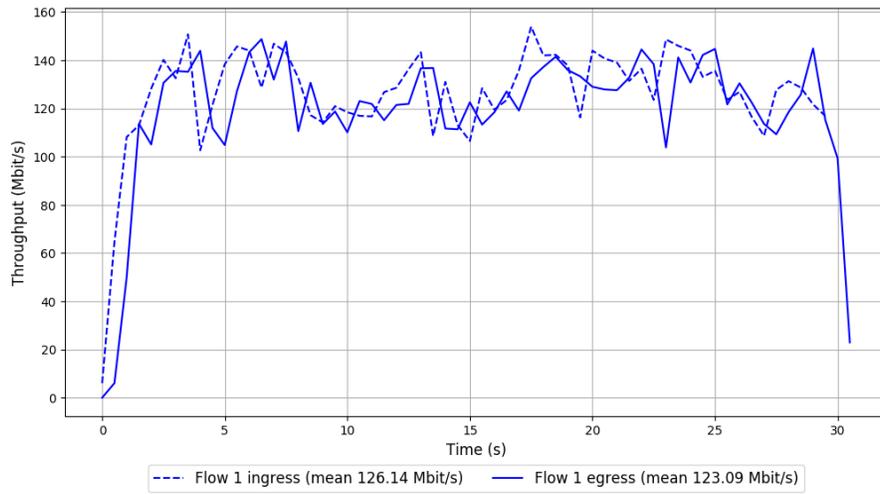


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-21 20:07:27
End at: 2018-08-21 20:07:57
Local clock offset: -2.784 ms
Remote clock offset: -39.323 ms

Below is generated by plot.py at 2018-08-21 23:44:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.09 Mbit/s
95th percentile per-packet one-way delay: 71.133 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 123.09 Mbit/s
95th percentile per-packet one-way delay: 71.133 ms
Loss rate: 2.41%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-21 20:29:36
End at: 2018-08-21 20:30:06
Local clock offset: -3.64 ms
Remote clock offset: -34.407 ms

Below is generated by plot.py at 2018-08-21 23:44:43

Datalink statistics

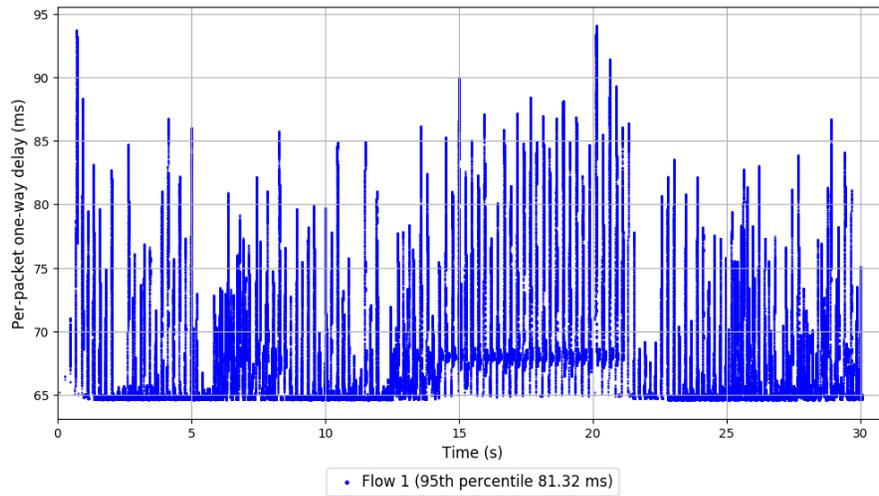
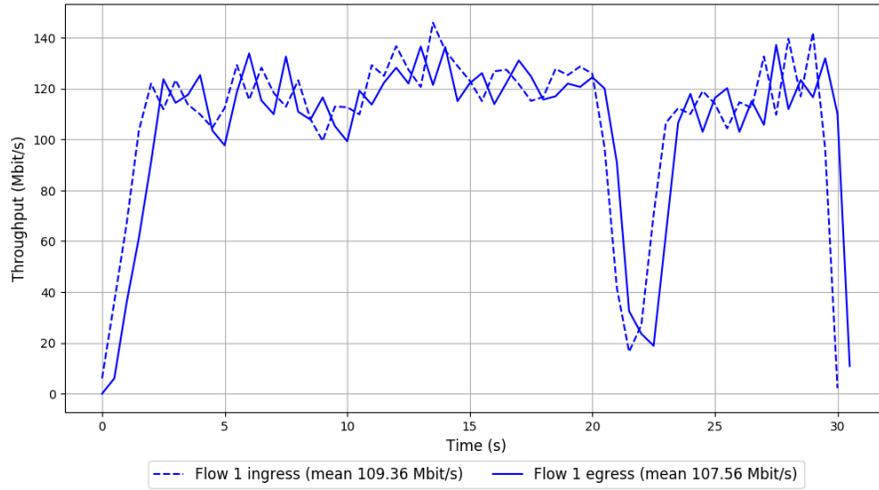
-- Total of 1 flow:

Average throughput: 107.56 Mbit/s
95th percentile per-packet one-way delay: 81.319 ms
Loss rate: 1.65%

-- Flow 1:

Average throughput: 107.56 Mbit/s
95th percentile per-packet one-way delay: 81.319 ms
Loss rate: 1.65%

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

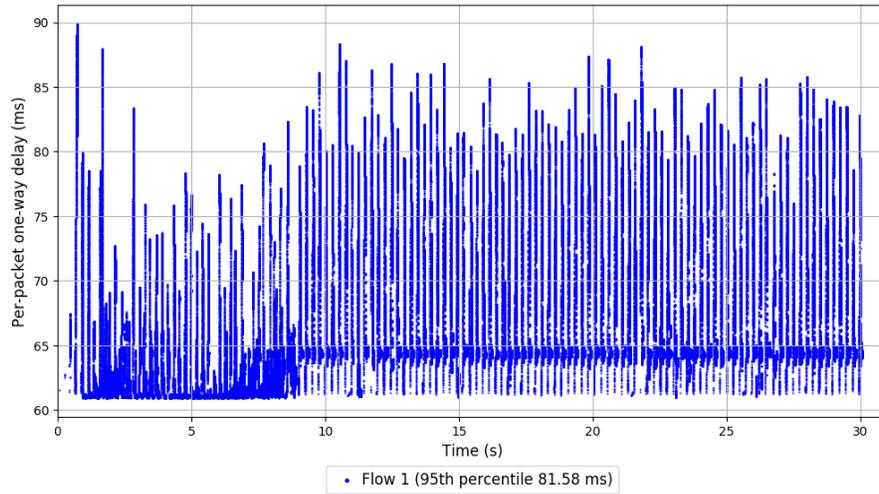
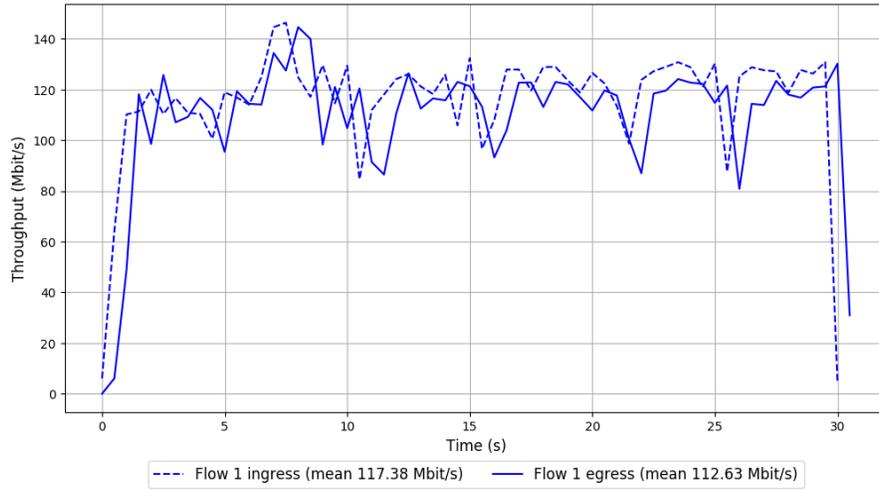


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-21 20:57:25
End at: 2018-08-21 20:57:55
Local clock offset: -1.274 ms
Remote clock offset: -36.771 ms

Below is generated by plot.py at 2018-08-21 23:44:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.63 Mbit/s
95th percentile per-packet one-way delay: 81.582 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 112.63 Mbit/s
95th percentile per-packet one-way delay: 81.582 ms
Loss rate: 4.04%

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

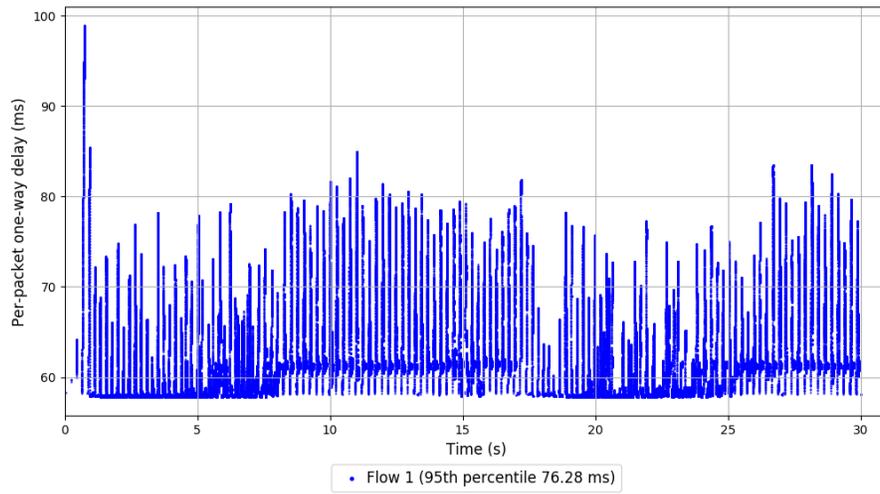
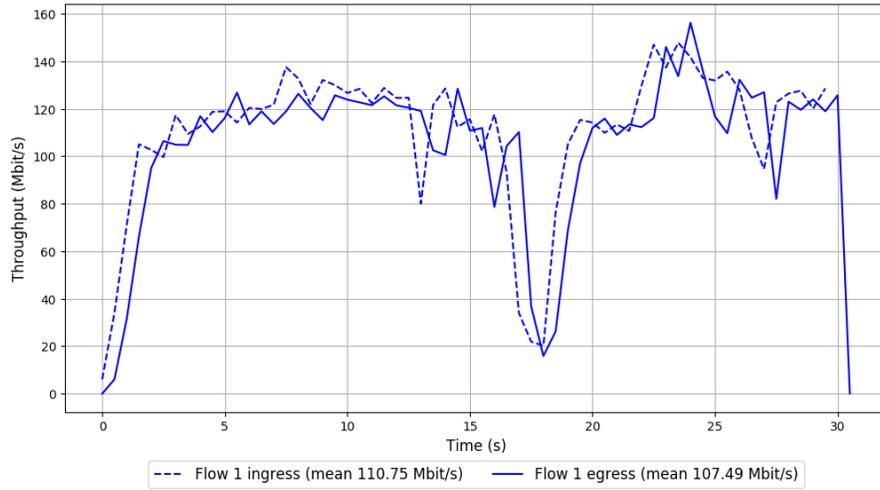


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-21 21:19:32
End at: 2018-08-21 21:20:02
Local clock offset: 1.328 ms
Remote clock offset: -37.552 ms

Below is generated by plot.py at 2018-08-21 23:44:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.49 Mbit/s
95th percentile per-packet one-way delay: 76.284 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 107.49 Mbit/s
95th percentile per-packet one-way delay: 76.284 ms
Loss rate: 2.95%

Run 6: Report of TaoVA-100x — Data Link

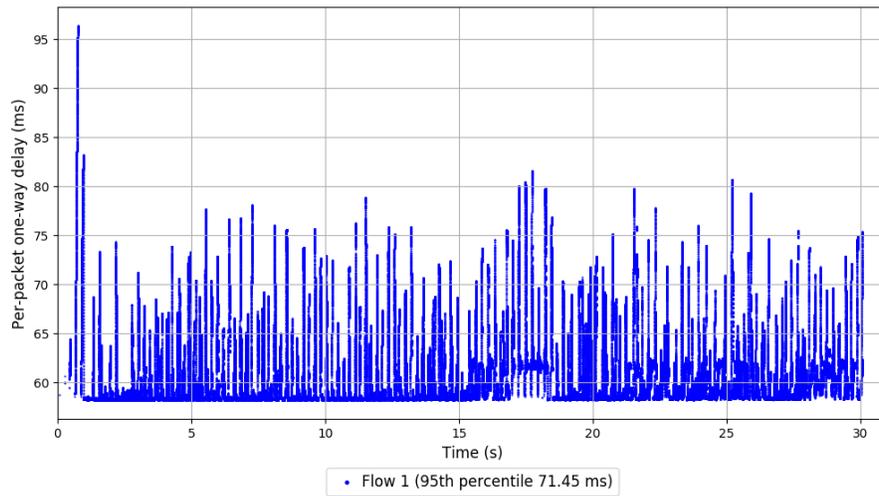
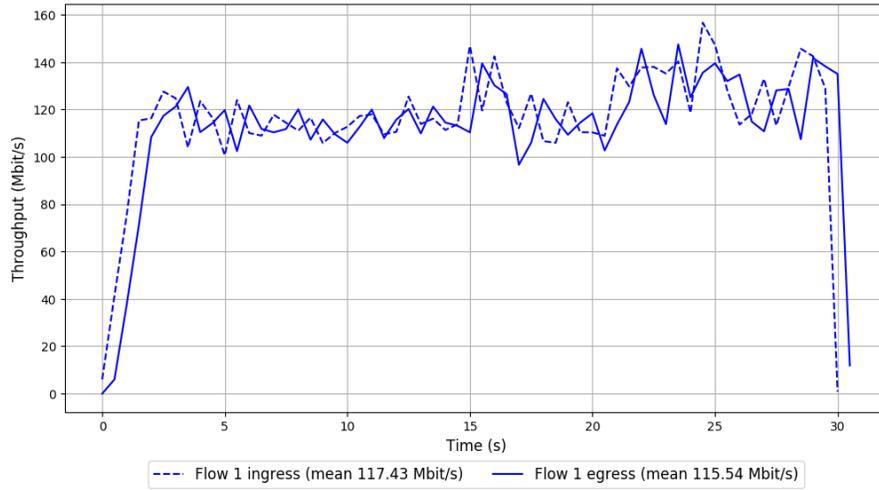


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-21 21:41:42
End at: 2018-08-21 21:42:12
Local clock offset: -0.323 ms
Remote clock offset: -39.797 ms

Below is generated by plot.py at 2018-08-21 23:45:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.54 Mbit/s
95th percentile per-packet one-way delay: 71.454 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 115.54 Mbit/s
95th percentile per-packet one-way delay: 71.454 ms
Loss rate: 1.60%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-21 22:03:48

End at: 2018-08-21 22:04:18

Local clock offset: 1.466 ms

Remote clock offset: -39.3 ms

Below is generated by plot.py at 2018-08-21 23:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.61 Mbit/s

95th percentile per-packet one-way delay: 73.944 ms

Loss rate: 0.89%

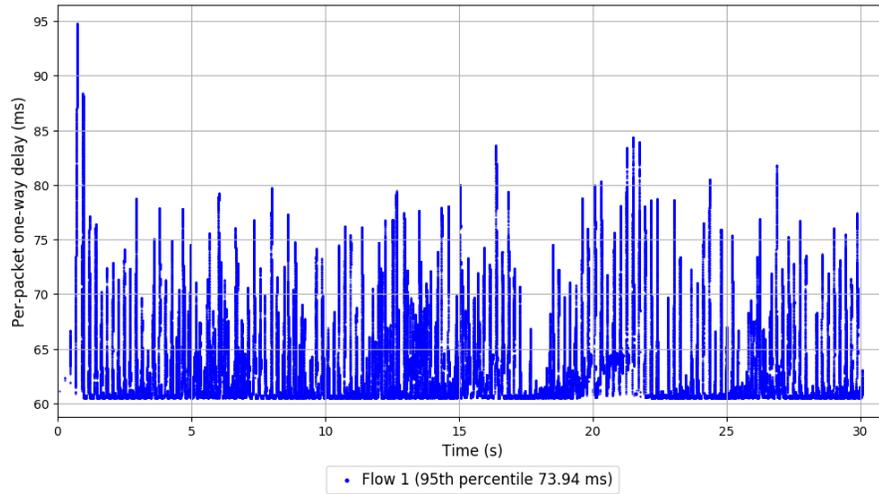
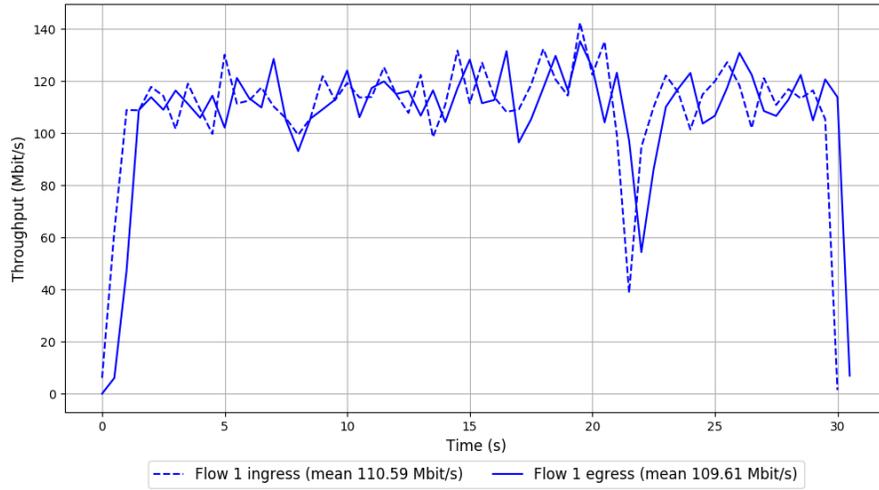
-- Flow 1:

Average throughput: 109.61 Mbit/s

95th percentile per-packet one-way delay: 73.944 ms

Loss rate: 0.89%

Run 8: Report of TaoVA-100x — Data Link

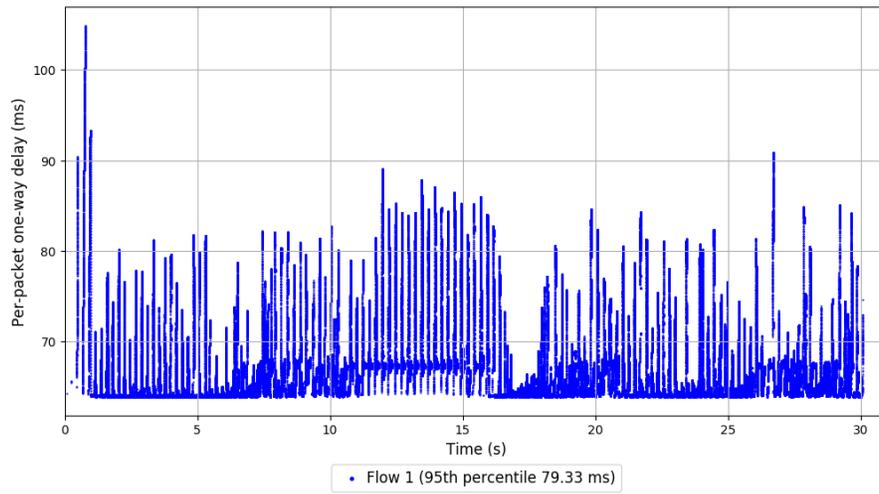
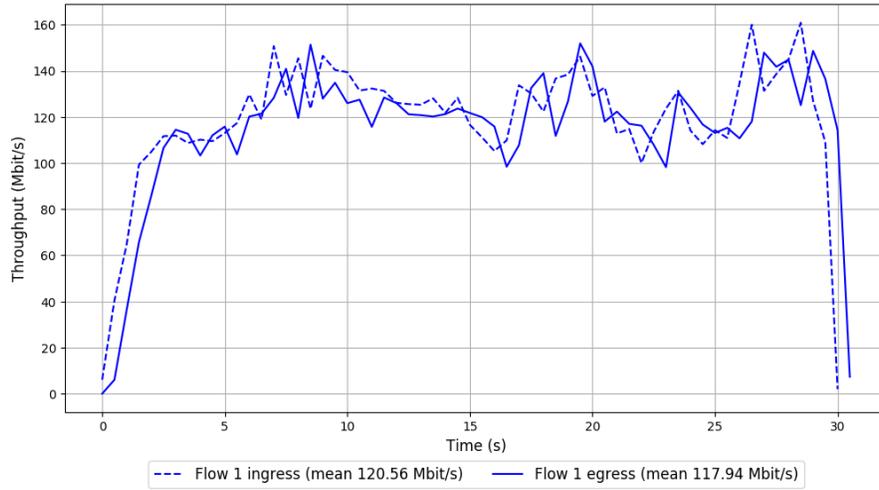


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-21 22:31:33
End at: 2018-08-21 22:32:03
Local clock offset: 1.425 ms
Remote clock offset: -37.056 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.94 Mbit/s
95th percentile per-packet one-way delay: 79.330 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 117.94 Mbit/s
95th percentile per-packet one-way delay: 79.330 ms
Loss rate: 2.17%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-21 22:53:40

End at: 2018-08-21 22:54:10

Local clock offset: 1.067 ms

Remote clock offset: -34.563 ms

Below is generated by plot.py at 2018-08-21 23:47:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.02 Mbit/s

95th percentile per-packet one-way delay: 82.685 ms

Loss rate: 2.90%

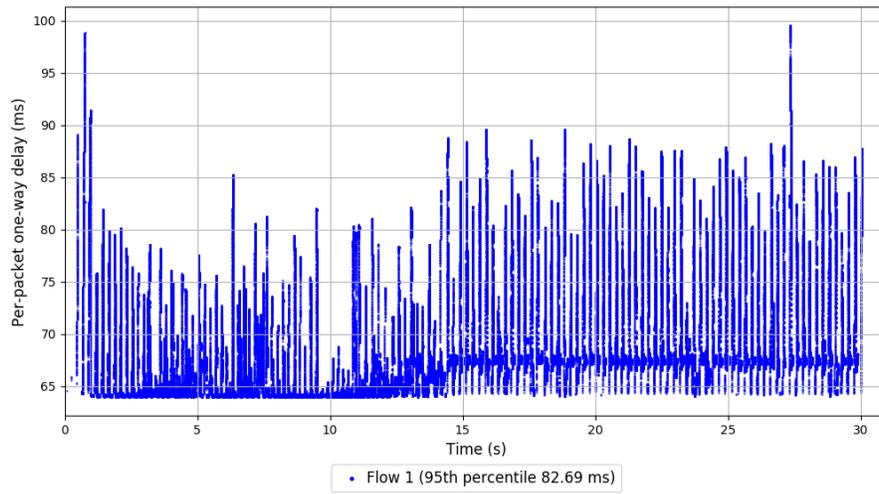
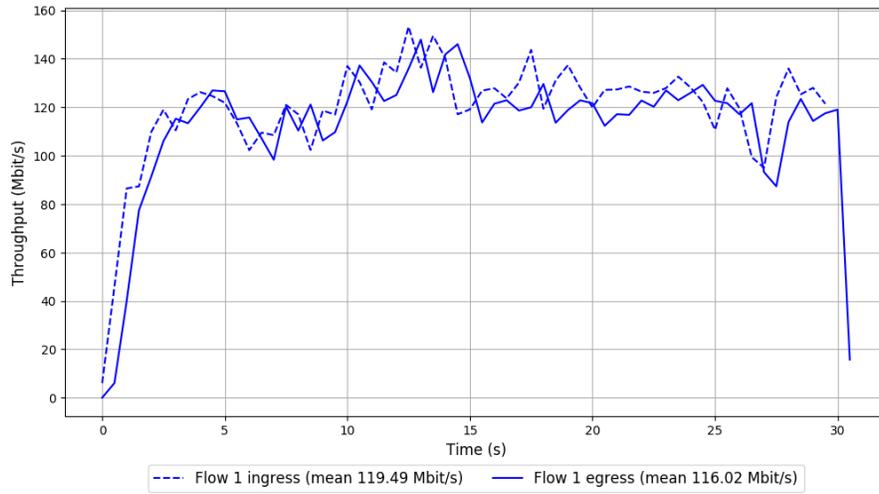
-- Flow 1:

Average throughput: 116.02 Mbit/s

95th percentile per-packet one-way delay: 82.685 ms

Loss rate: 2.90%

Run 10: Report of TaoVA-100x — Data Link

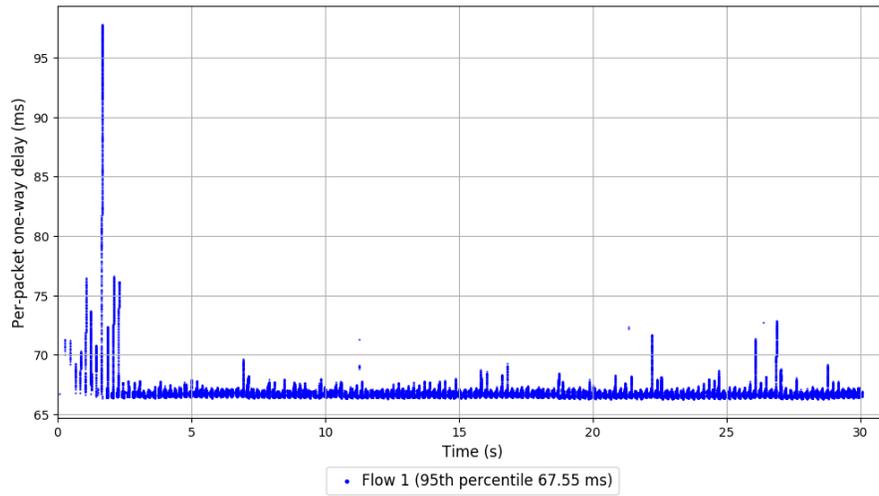
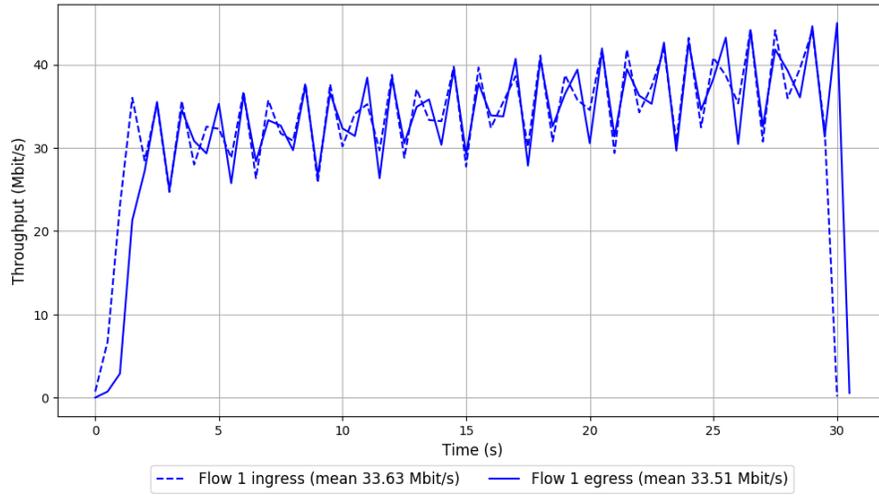


Run 1: Statistics of TCP Vegas

Start at: 2018-08-21 18:57:24
End at: 2018-08-21 18:57:54
Local clock offset: -11.456 ms
Remote clock offset: -32.709 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 67.551 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 67.551 ms
Loss rate: 0.36%

Run 1: Report of TCP Vegas — Data Link

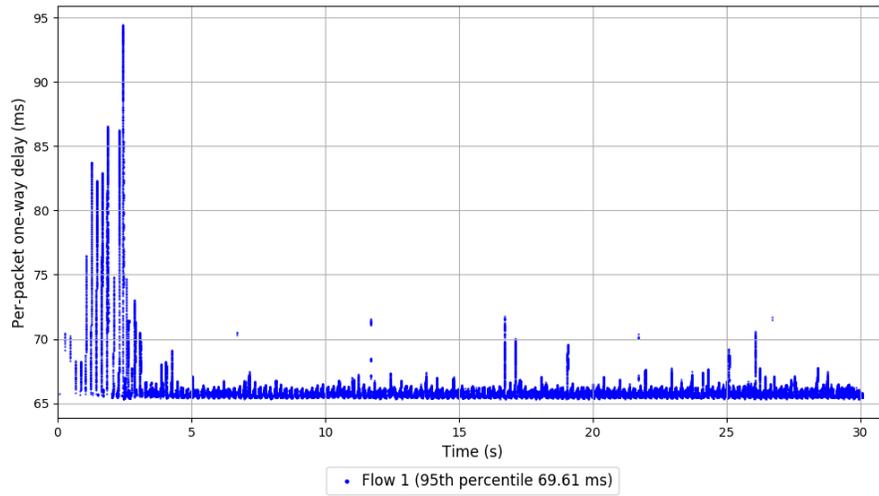
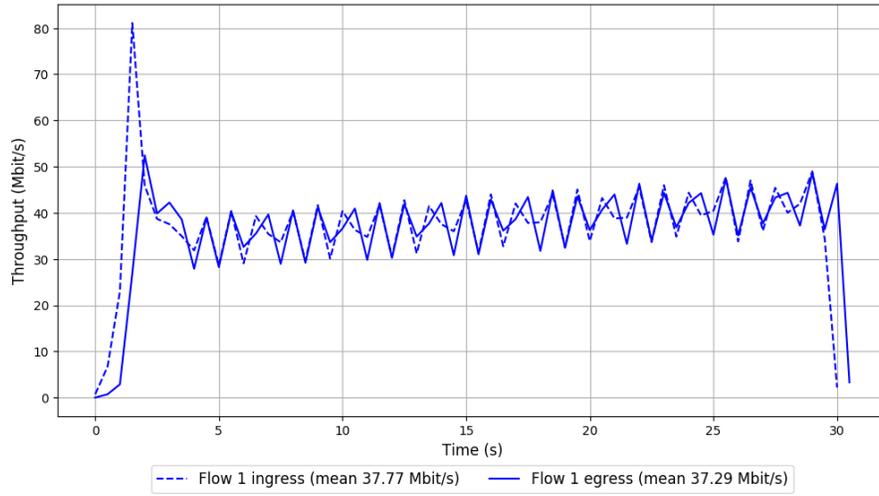


Run 2: Statistics of TCP Vegas

Start at: 2018-08-21 19:25:12
End at: 2018-08-21 19:25:42
Local clock offset: -4.847 ms
Remote clock offset: -34.046 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 69.606 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 69.606 ms
Loss rate: 1.28%

Run 2: Report of TCP Vegas — Data Link

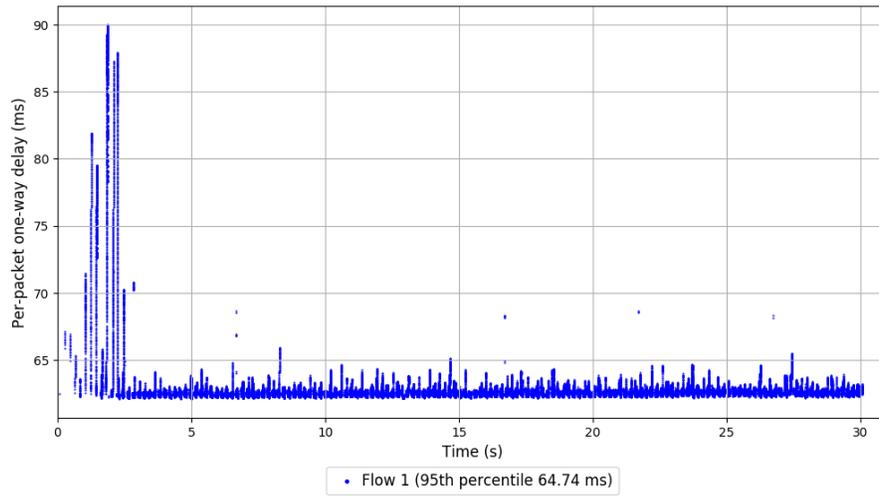
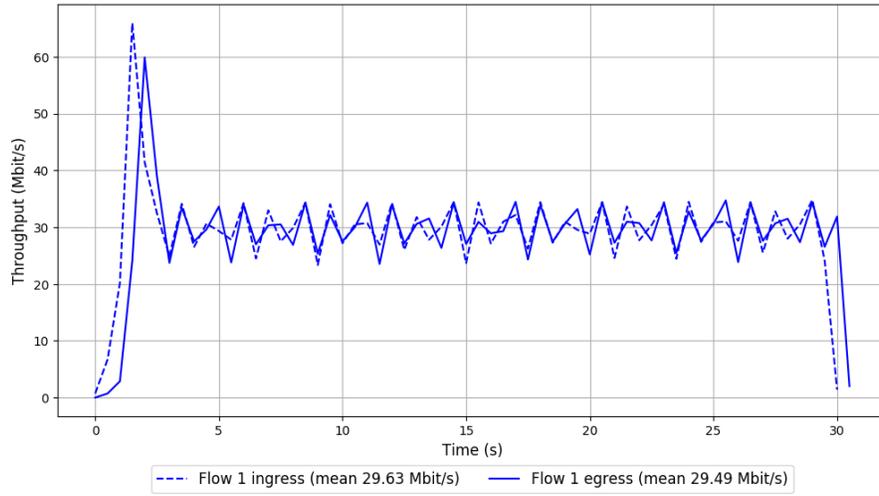


Run 3: Statistics of TCP Vegas

Start at: 2018-08-21 19:47:24
End at: 2018-08-21 19:47:54
Local clock offset: -1.294 ms
Remote clock offset: -34.678 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 64.737 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 64.737 ms
Loss rate: 0.49%

Run 3: Report of TCP Vegas — Data Link

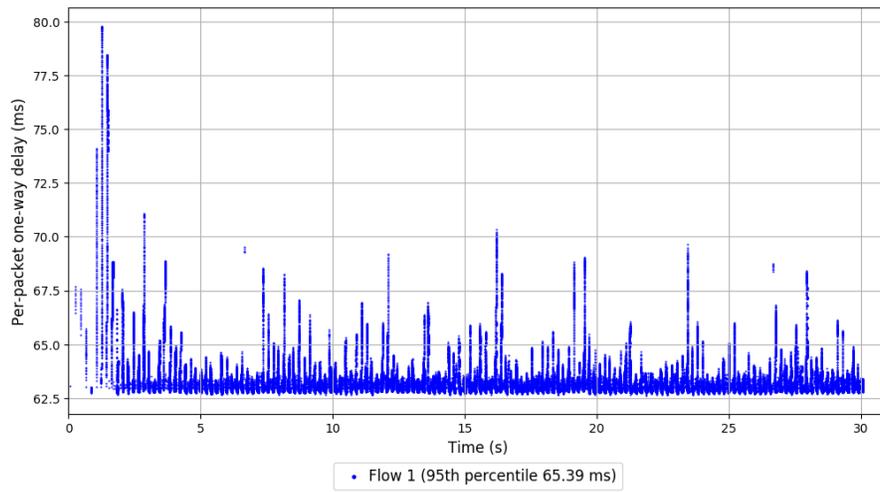
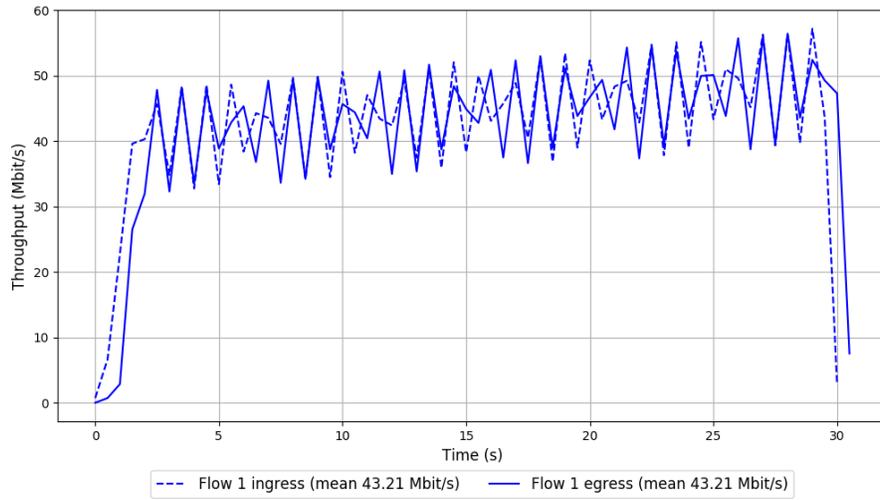


Run 4: Statistics of TCP Vegas

Start at: 2018-08-21 20:15:07
End at: 2018-08-21 20:15:37
Local clock offset: -3.252 ms
Remote clock offset: -38.997 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 65.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 65.390 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

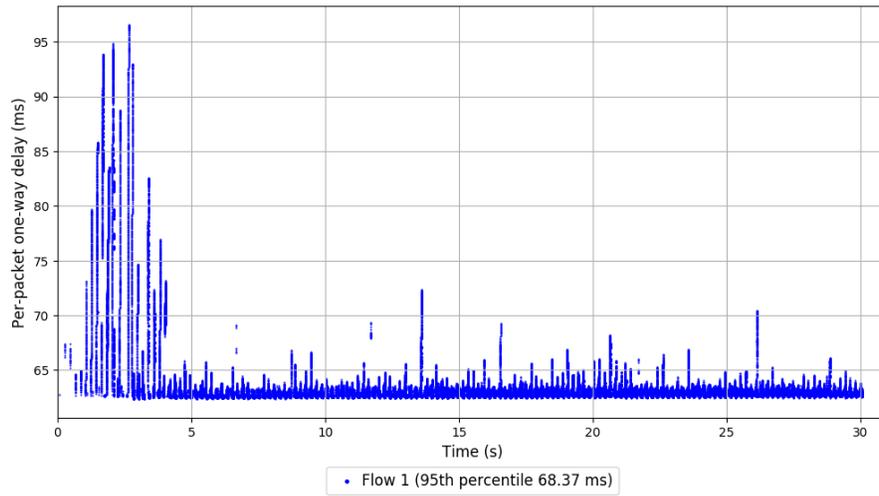
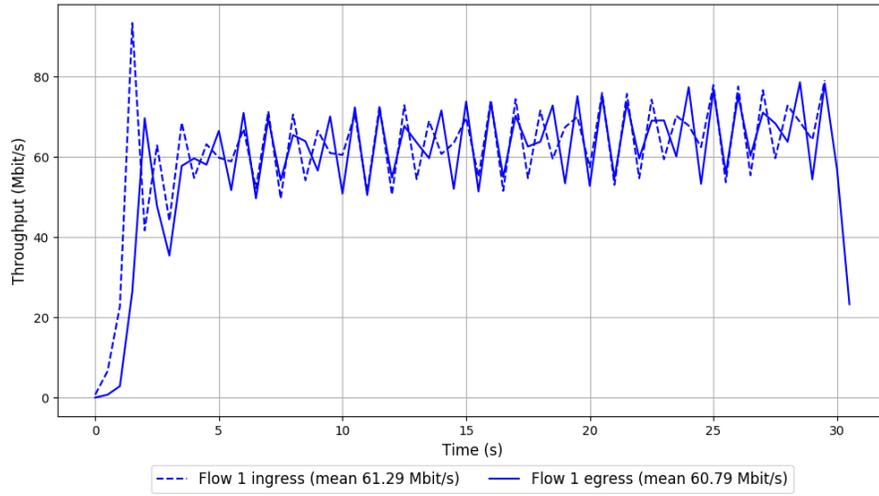


Run 5: Statistics of TCP Vegas

Start at: 2018-08-21 20:37:14
End at: 2018-08-21 20:37:44
Local clock offset: -3.571 ms
Remote clock offset: -38.507 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 68.370 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 68.370 ms
Loss rate: 0.81%

Run 5: Report of TCP Vegas — Data Link

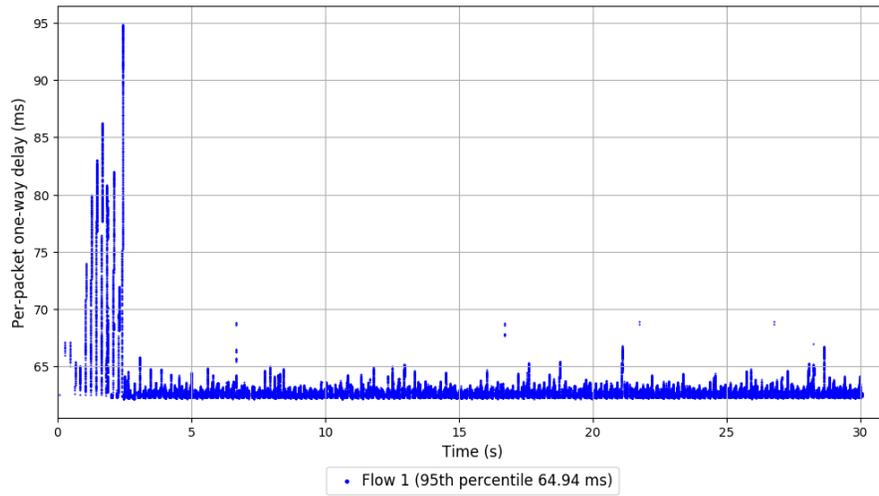
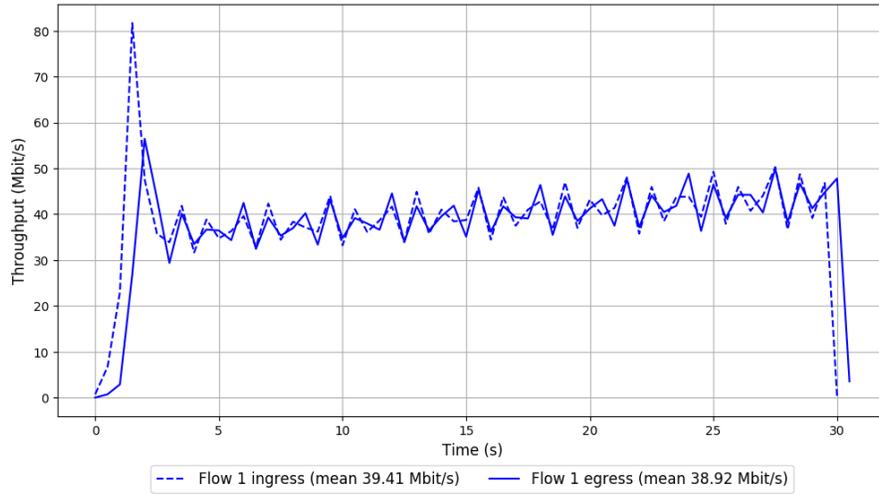


Run 6: Statistics of TCP Vegas

Start at: 2018-08-21 21:05:02
End at: 2018-08-21 21:05:32
Local clock offset: -1.039 ms
Remote clock offset: -35.291 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 64.937 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 64.937 ms
Loss rate: 1.24%

Run 6: Report of TCP Vegas — Data Link

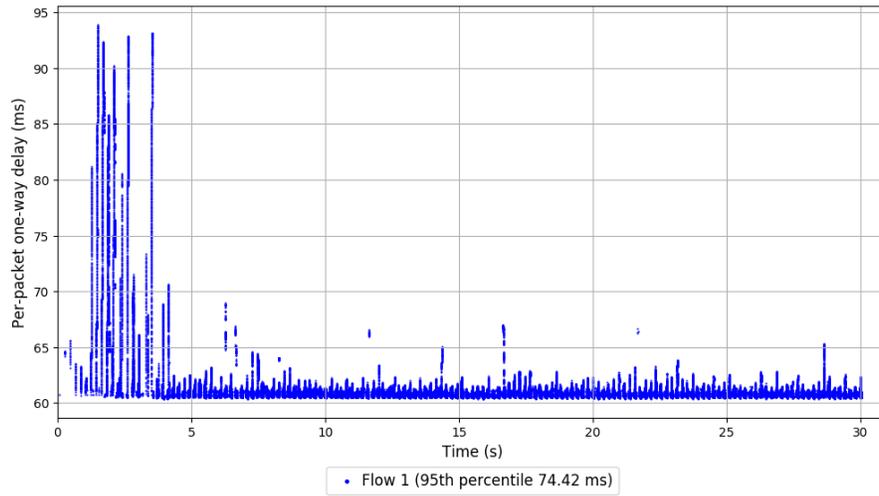
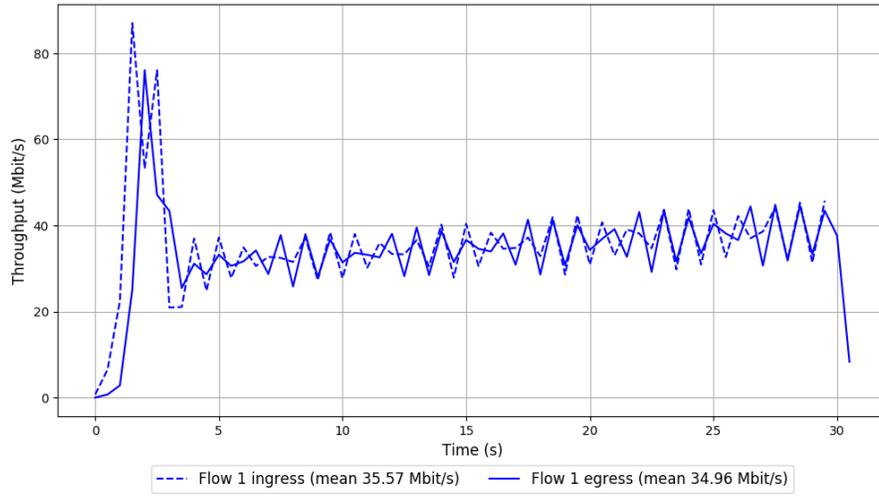


Run 7: Statistics of TCP Vegas

Start at: 2018-08-21 21:27:09
End at: 2018-08-21 21:27:39
Local clock offset: 0.043 ms
Remote clock offset: -39.184 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 74.421 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 74.421 ms
Loss rate: 1.70%

Run 7: Report of TCP Vegas — Data Link

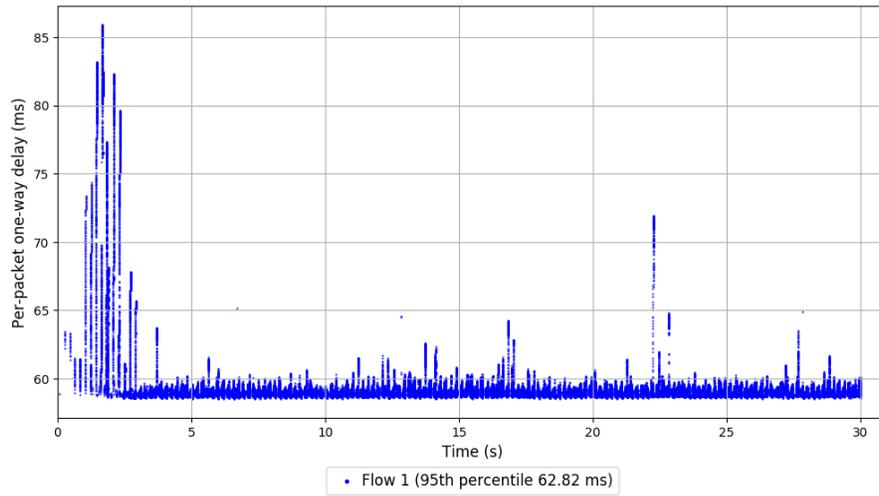
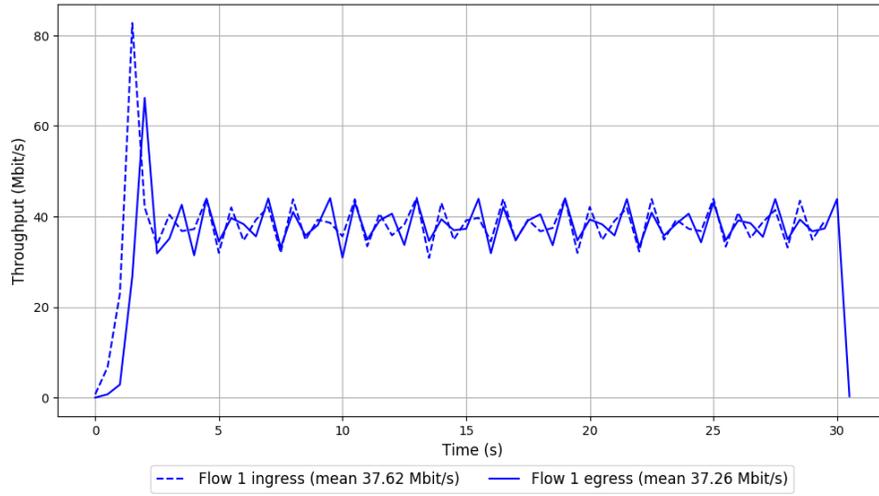


Run 8: Statistics of TCP Vegas

Start at: 2018-08-21 21:49:18
End at: 2018-08-21 21:49:48
Local clock offset: 0.49 ms
Remote clock offset: -39.388 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 62.821 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 62.821 ms
Loss rate: 0.95%

Run 8: Report of TCP Vegas — Data Link

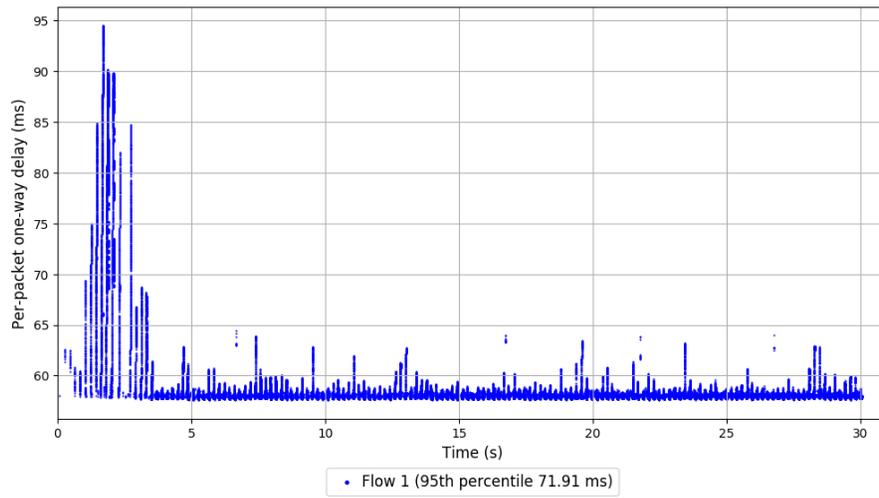
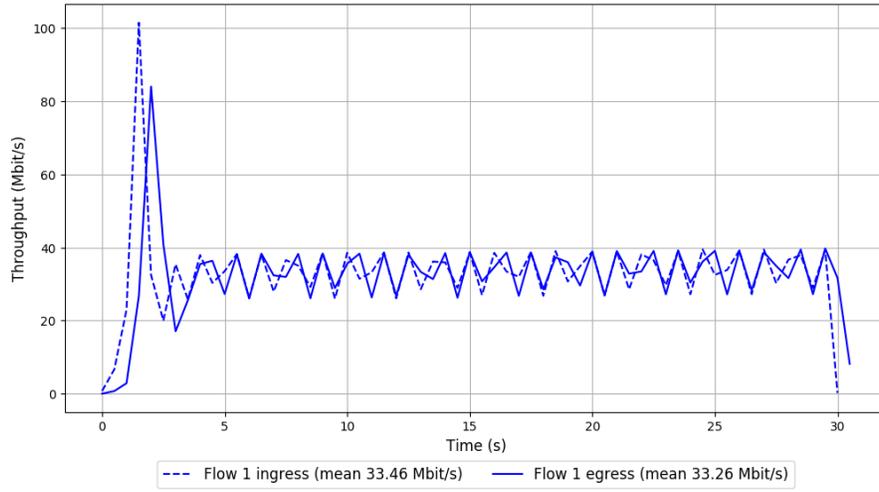


Run 9: Statistics of TCP Vegas

Start at: 2018-08-21 22:11:25
End at: 2018-08-21 22:11:55
Local clock offset: 2.517 ms
Remote clock offset: -39.235 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 71.907 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 71.907 ms
Loss rate: 0.60%

Run 9: Report of TCP Vegas — Data Link

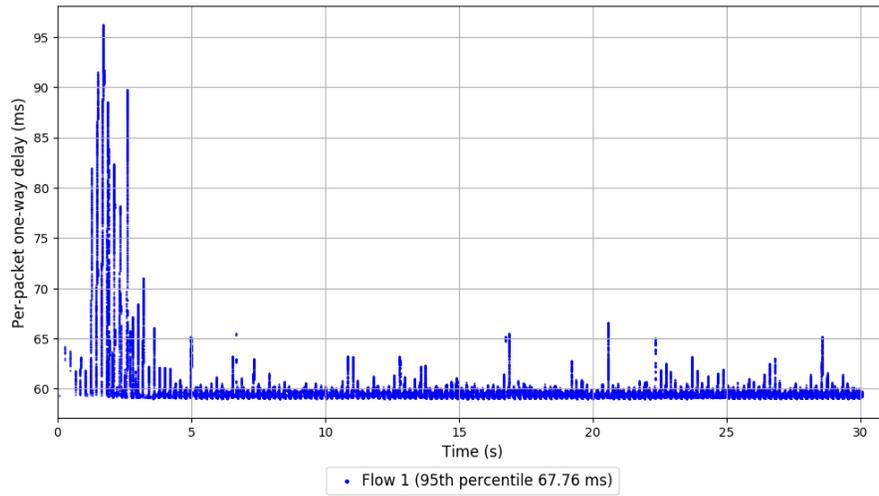
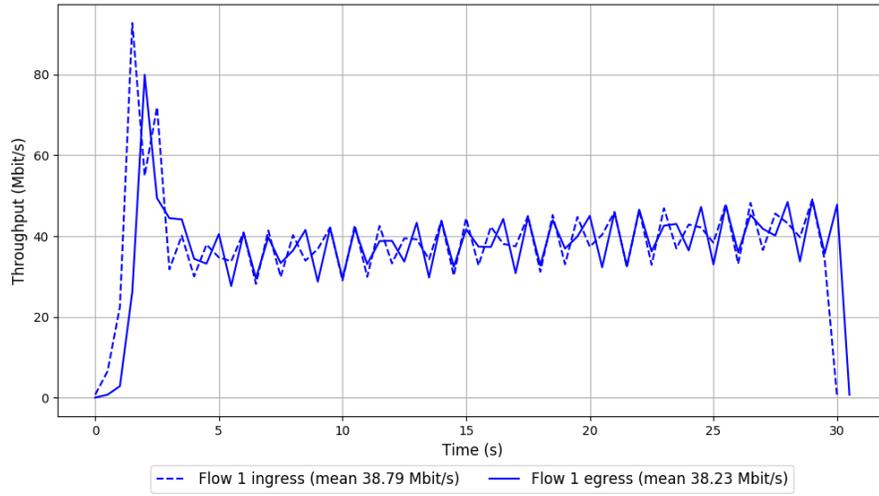


Run 10: Statistics of TCP Vegas

Start at: 2018-08-21 22:39:08
End at: 2018-08-21 22:39:38
Local clock offset: 3.685 ms
Remote clock offset: -39.936 ms

Below is generated by plot.py at 2018-08-21 23:47:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 67.758 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 67.758 ms
Loss rate: 1.42%

Run 10: Report of TCP Vegas — Data Link

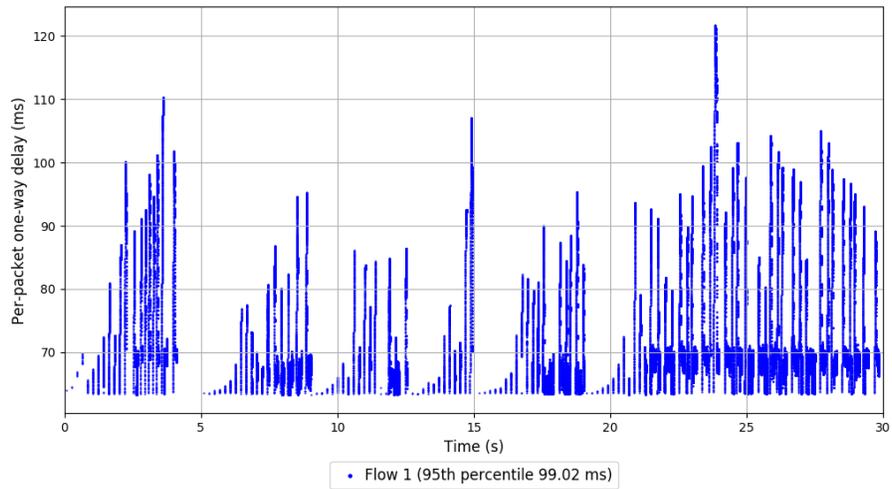
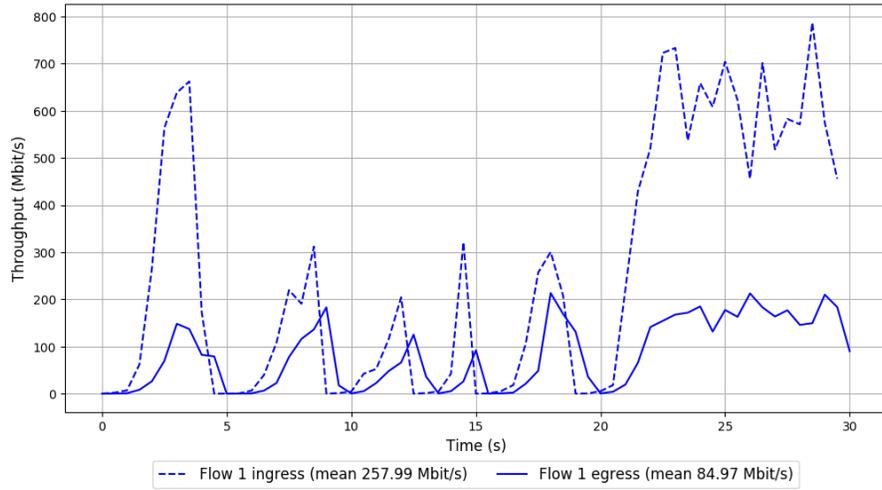


Run 1: Statistics of Verus

Start at: 2018-08-21 19:13:37
End at: 2018-08-21 19:14:07
Local clock offset: -9.132 ms
Remote clock offset: -36.56 ms

Below is generated by plot.py at 2018-08-21 23:47:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 99.021 ms
Loss rate: 67.06%
-- Flow 1:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 99.021 ms
Loss rate: 67.06%

Run 1: Report of Verus — Data Link

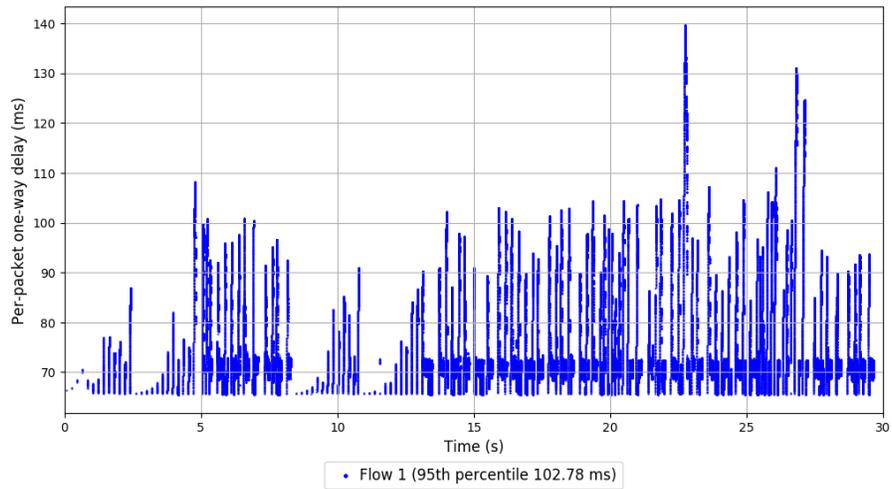
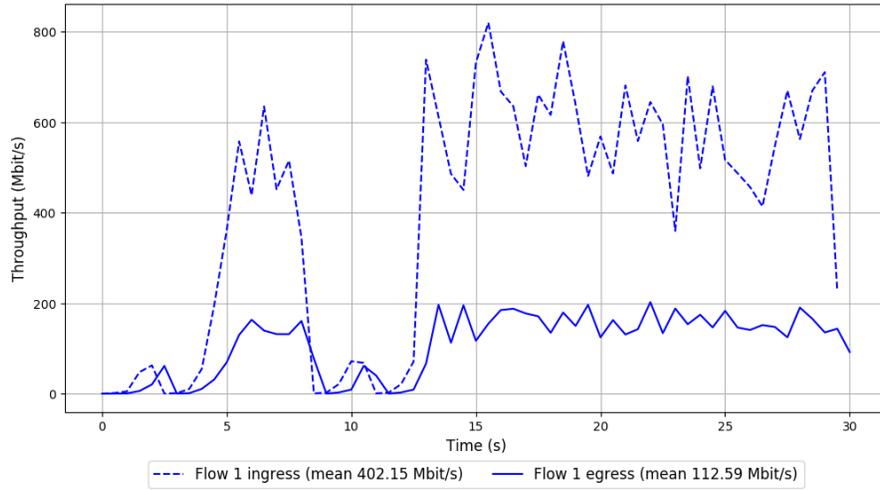


Run 2: Statistics of Verus

Start at: 2018-08-21 19:35:49
End at: 2018-08-21 19:36:19
Local clock offset: -6.831 ms
Remote clock offset: -32.413 ms

Below is generated by plot.py at 2018-08-21 23:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.59 Mbit/s
95th percentile per-packet one-way delay: 102.776 ms
Loss rate: 72.00%
-- Flow 1:
Average throughput: 112.59 Mbit/s
95th percentile per-packet one-way delay: 102.776 ms
Loss rate: 72.00%

Run 2: Report of Verus — Data Link

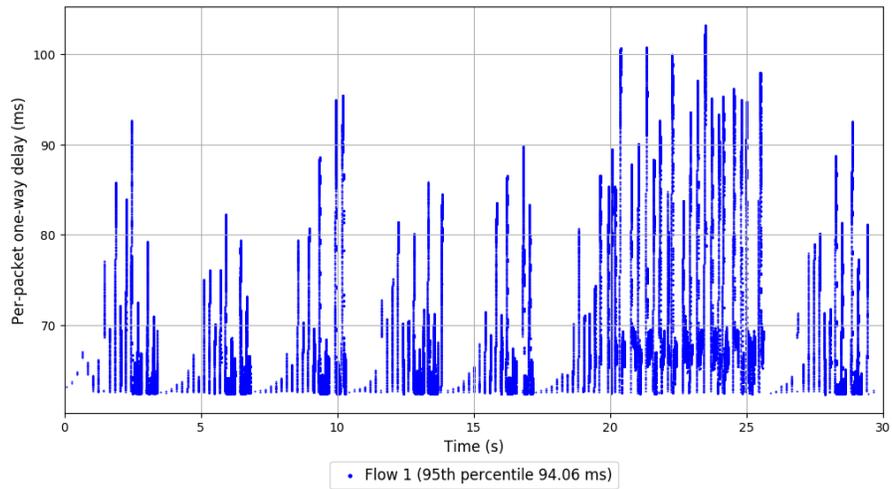
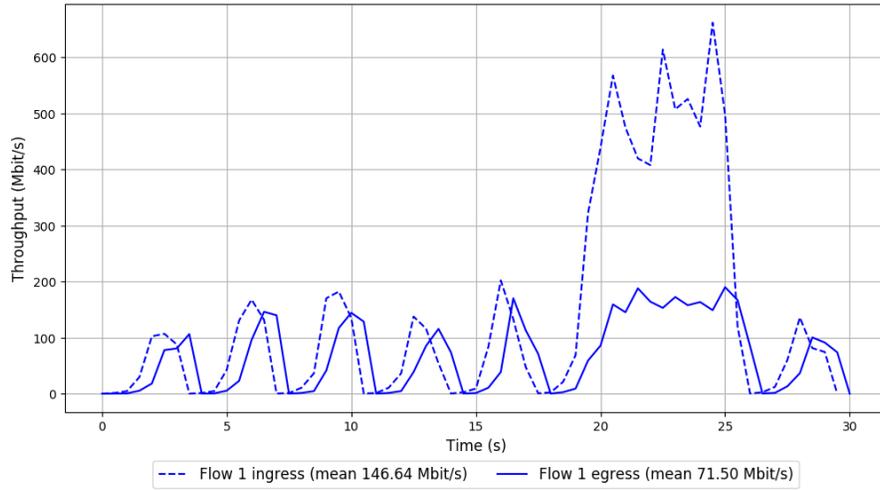


Run 3: Statistics of Verus

Start at: 2018-08-21 20:03:34
End at: 2018-08-21 20:04:04
Local clock offset: -2.82 ms
Remote clock offset: -39.116 ms

Below is generated by plot.py at 2018-08-21 23:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 51.24%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 51.24%

Run 3: Report of Verus — Data Link

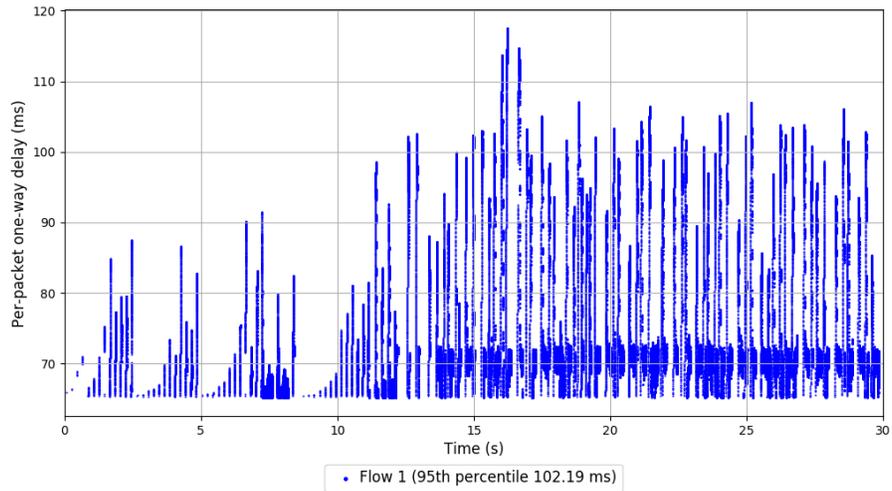
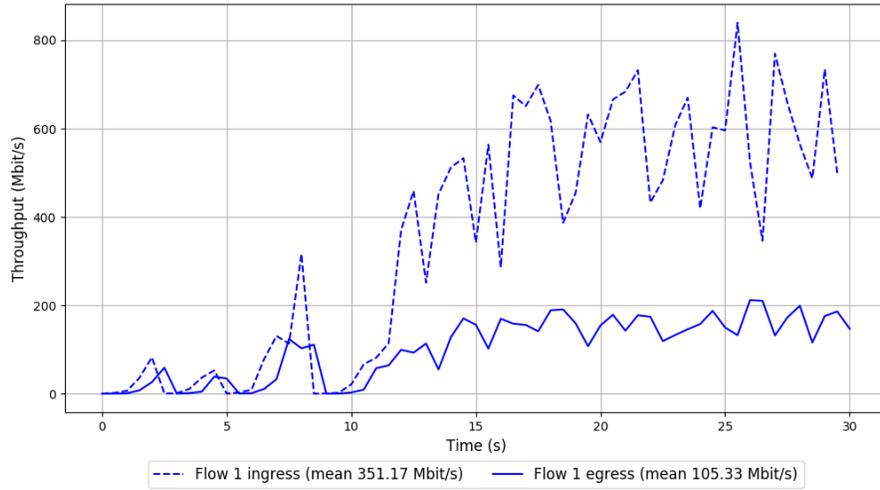


Run 4: Statistics of Verus

Start at: 2018-08-21 20:25:39
End at: 2018-08-21 20:26:09
Local clock offset: 0.353 ms
Remote clock offset: -32.977 ms

Below is generated by plot.py at 2018-08-21 23:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 102.195 ms
Loss rate: 70.00%
-- Flow 1:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 102.195 ms
Loss rate: 70.00%

Run 4: Report of Verus — Data Link

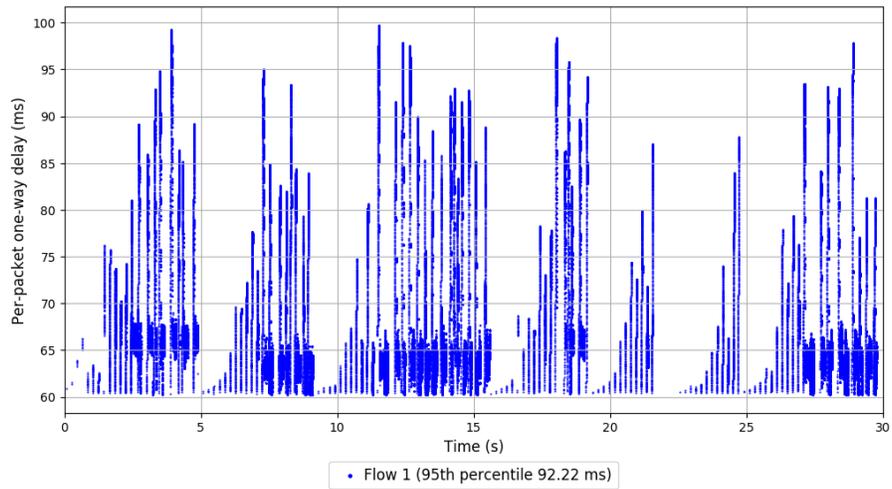
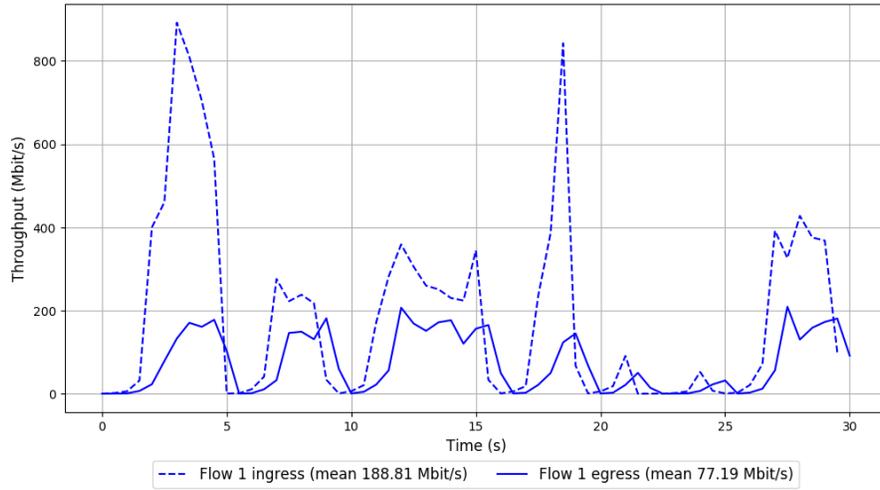


Run 5: Statistics of Verus

Start at: 2018-08-21 20:53:31
End at: 2018-08-21 20:54:01
Local clock offset: -6.125 ms
Remote clock offset: -44.803 ms

Below is generated by plot.py at 2018-08-21 23:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 92.224 ms
Loss rate: 59.11%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 92.224 ms
Loss rate: 59.11%

Run 5: Report of Verus — Data Link

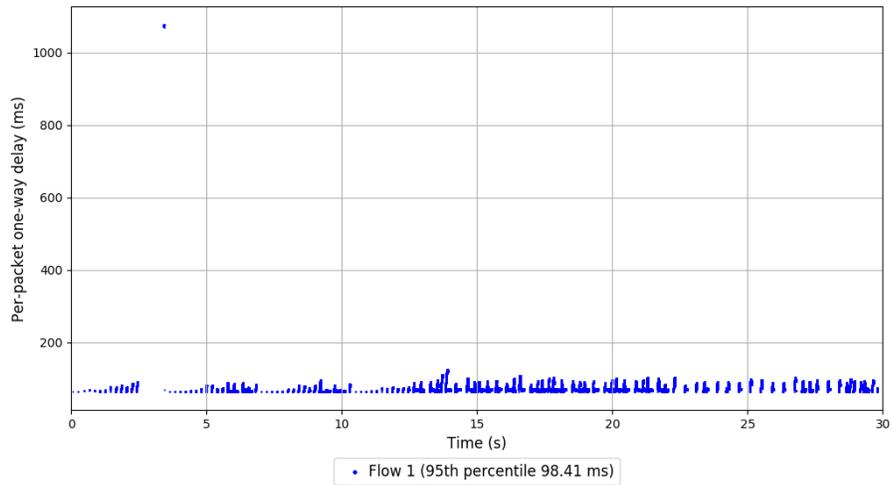
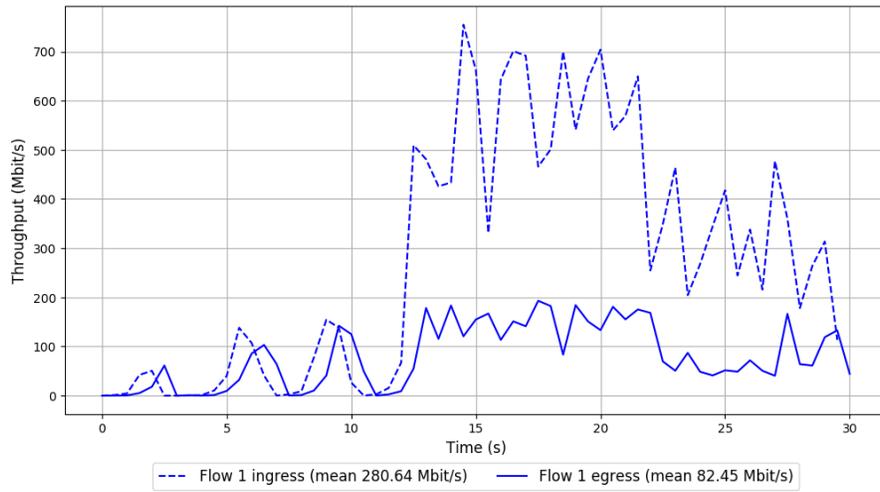


Run 6: Statistics of Verus

Start at: 2018-08-21 21:15:37
End at: 2018-08-21 21:16:07
Local clock offset: -0.834 ms
Remote clock offset: -34.197 ms

Below is generated by plot.py at 2018-08-21 23:47:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 98.412 ms
Loss rate: 70.61%
-- Flow 1:
Average throughput: 82.45 Mbit/s
95th percentile per-packet one-way delay: 98.412 ms
Loss rate: 70.61%

Run 6: Report of Verus — Data Link

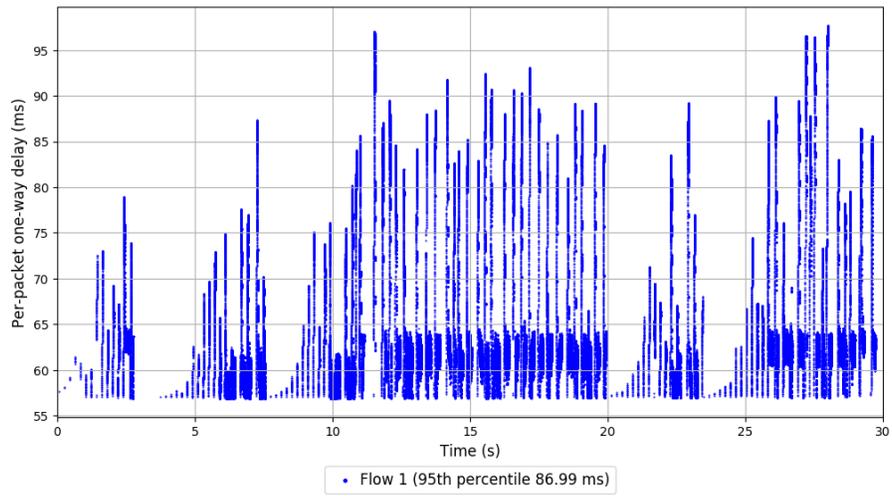
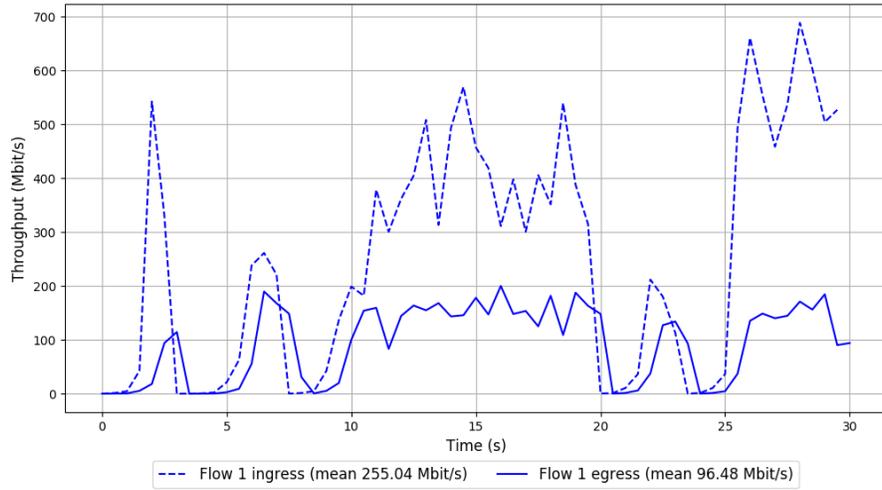


Run 7: Statistics of Verus

Start at: 2018-08-21 21:37:46
End at: 2018-08-21 21:38:16
Local clock offset: 0.764 ms
Remote clock offset: -39.516 ms

Below is generated by plot.py at 2018-08-21 23:48:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 86.991 ms
Loss rate: 62.16%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 86.991 ms
Loss rate: 62.16%

Run 7: Report of Verus — Data Link

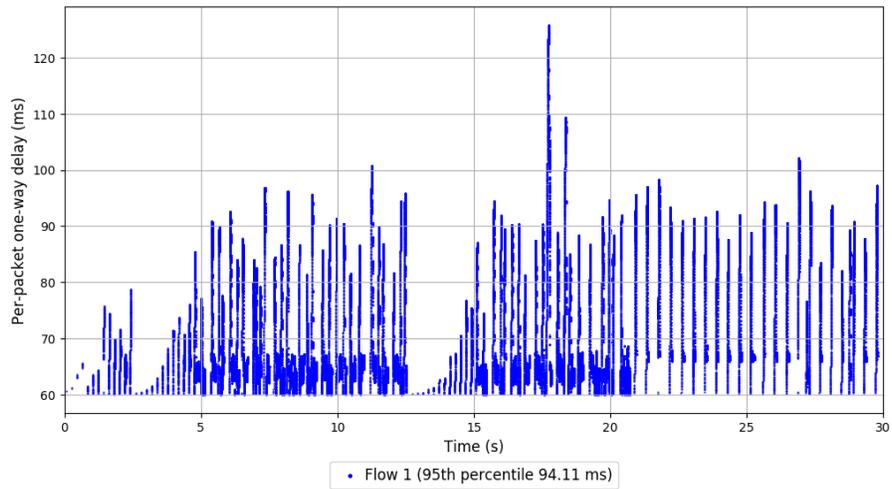
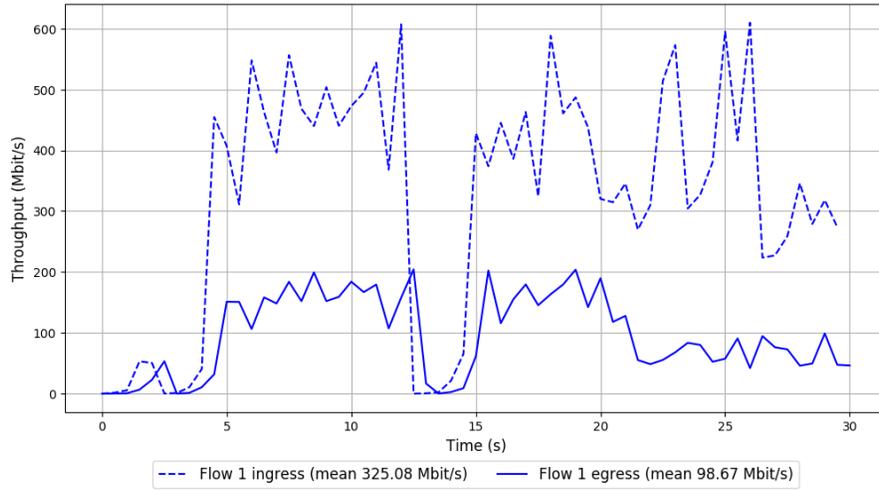


Run 8: Statistics of Verus

Start at: 2018-08-21 21:59:51
End at: 2018-08-21 22:00:21
Local clock offset: 0.707 ms
Remote clock offset: -38.302 ms

Below is generated by plot.py at 2018-08-21 23:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.67 Mbit/s
95th percentile per-packet one-way delay: 94.105 ms
Loss rate: 69.64%
-- Flow 1:
Average throughput: 98.67 Mbit/s
95th percentile per-packet one-way delay: 94.105 ms
Loss rate: 69.64%

Run 8: Report of Verus — Data Link

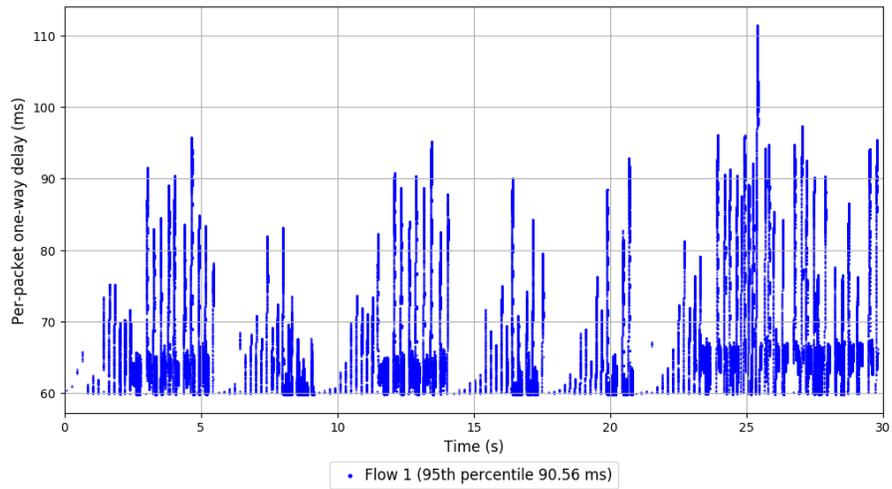
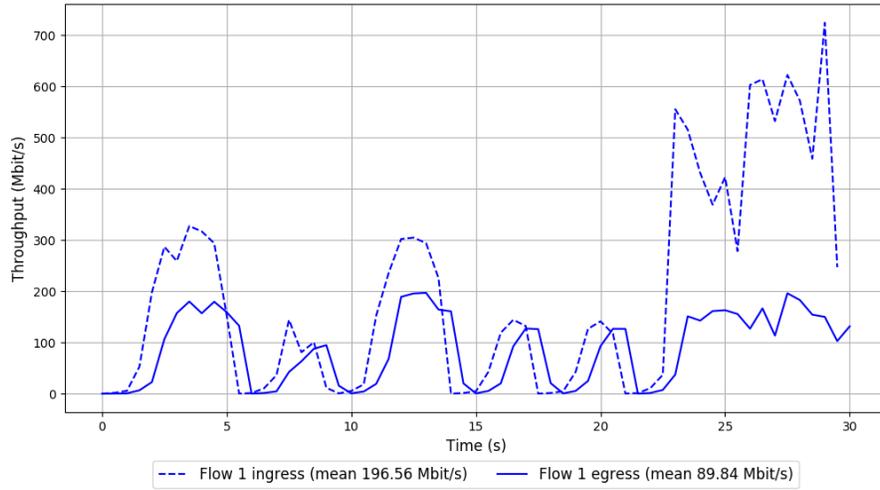


Run 9: Statistics of Verus

Start at: 2018-08-21 22:27:37
End at: 2018-08-21 22:28:07
Local clock offset: 0.857 ms
Remote clock offset: -39.703 ms

Below is generated by plot.py at 2018-08-21 23:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 90.557 ms
Loss rate: 54.29%
-- Flow 1:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 90.557 ms
Loss rate: 54.29%

Run 9: Report of Verus — Data Link

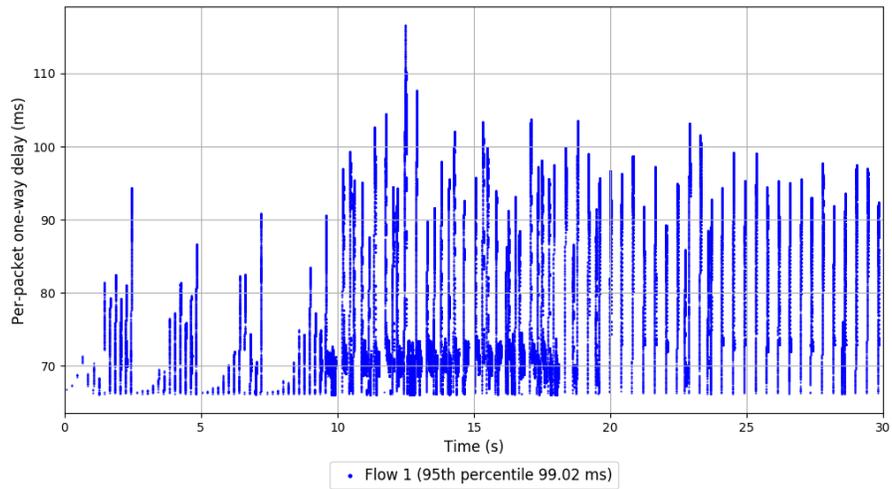
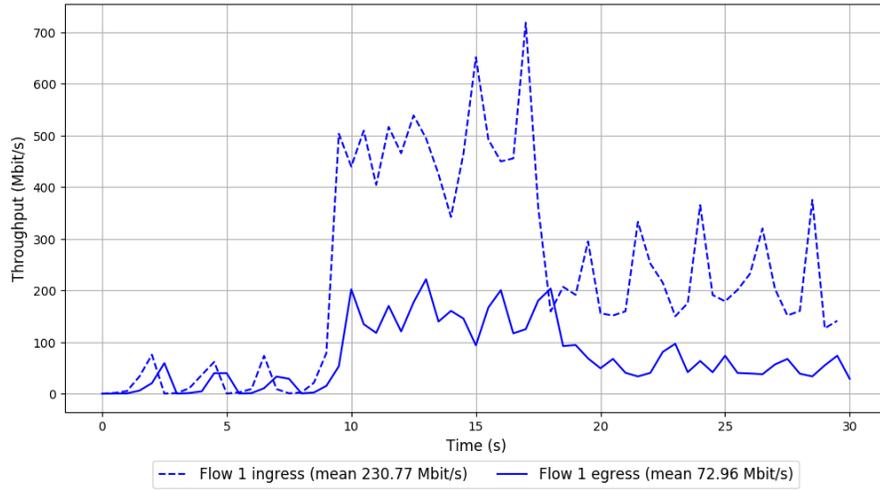


Run 10: Statistics of Verus

Start at: 2018-08-21 22:49:45
End at: 2018-08-21 22:50:15
Local clock offset: 1.711 ms
Remote clock offset: -34.47 ms

Below is generated by plot.py at 2018-08-21 23:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 99.017 ms
Loss rate: 68.38%
-- Flow 1:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 99.017 ms
Loss rate: 68.38%

Run 10: Report of Verus — Data Link

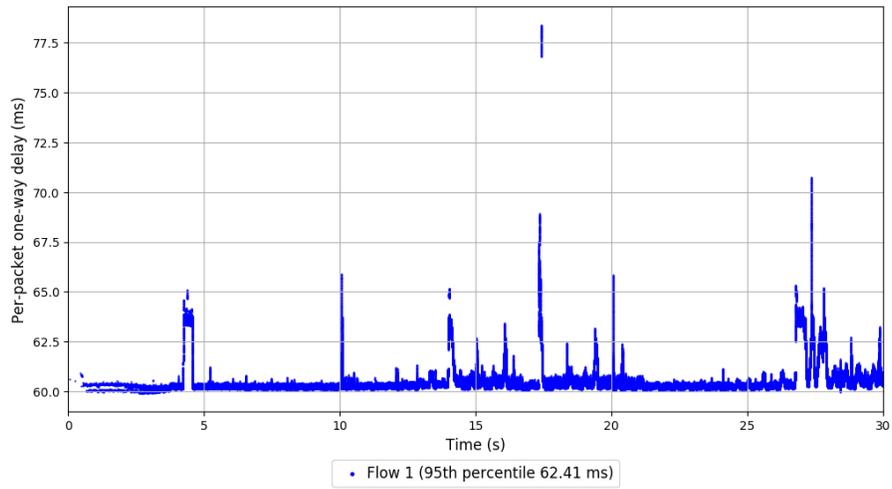
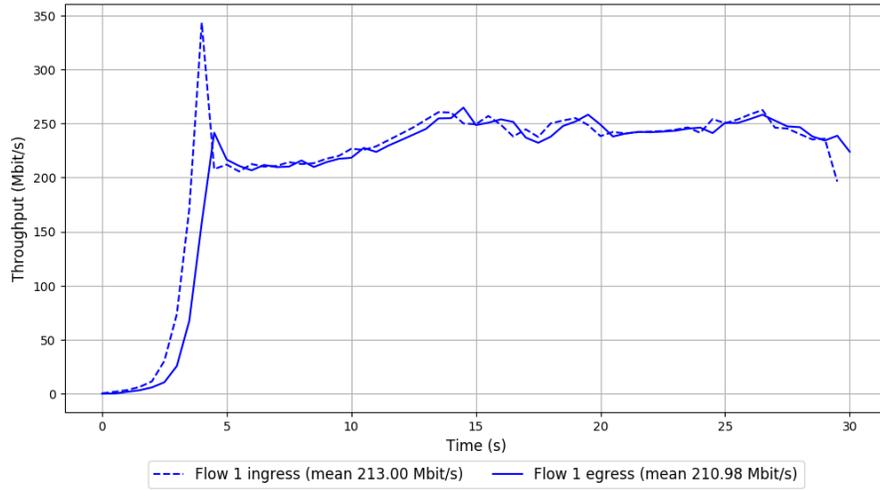


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-21 19:02:47
End at: 2018-08-21 19:03:17
Local clock offset: -13.02 ms
Remote clock offset: -39.335 ms

Below is generated by plot.py at 2018-08-21 23:49:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 62.411 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 62.411 ms
Loss rate: 0.95%

Run 1: Report of PCC-Vivace — Data Link

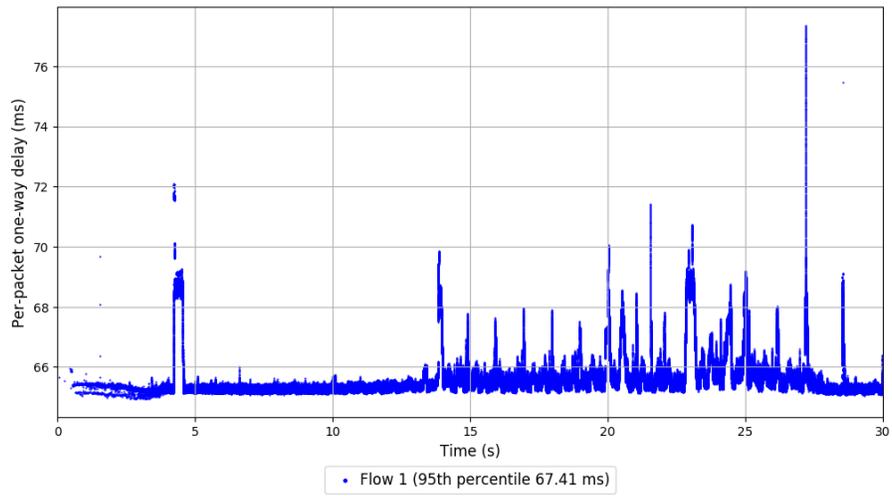
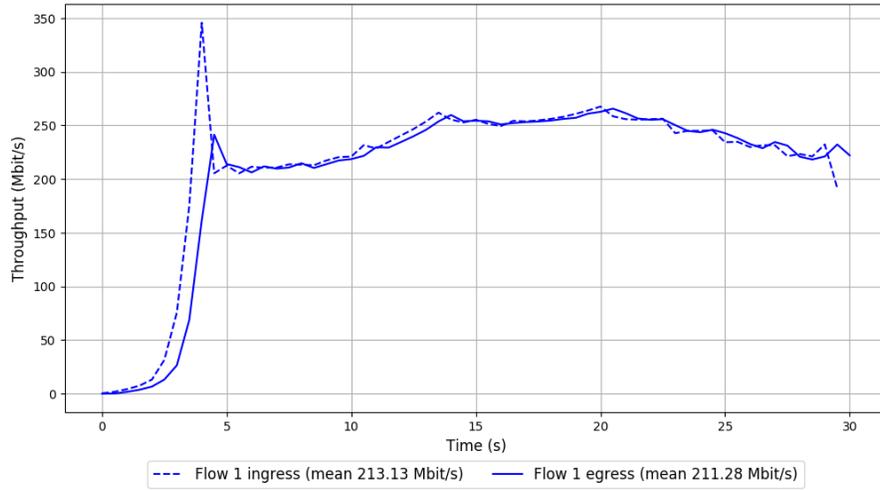


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-21 19:30:29
End at: 2018-08-21 19:30:59
Local clock offset: -6.848 ms
Remote clock offset: -33.723 ms

Below is generated by plot.py at 2018-08-21 23:50:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 67.411 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 211.28 Mbit/s
95th percentile per-packet one-way delay: 67.411 ms
Loss rate: 0.87%

Run 2: Report of PCC-Vivace — Data Link

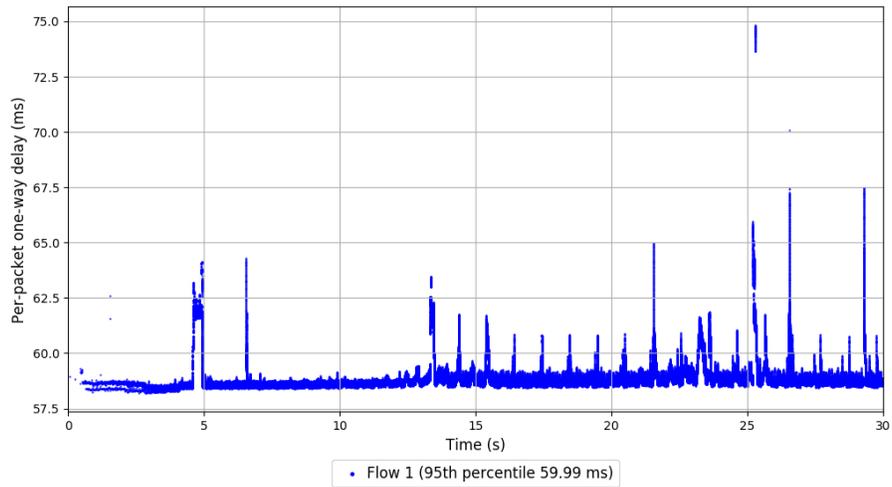
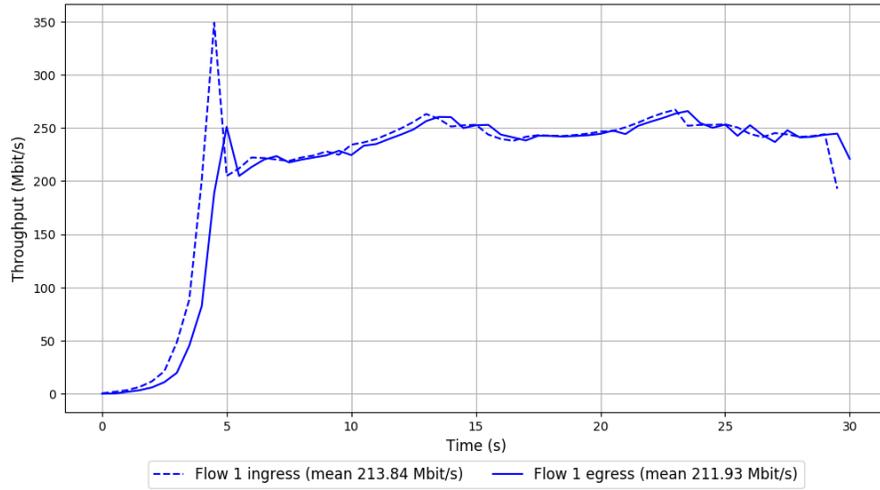


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-21 19:52:36
End at: 2018-08-21 19:53:06
Local clock offset: -1.526 ms
Remote clock offset: -39.171 ms

Below is generated by plot.py at 2018-08-21 23:50:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.93 Mbit/s
95th percentile per-packet one-way delay: 59.988 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 211.93 Mbit/s
95th percentile per-packet one-way delay: 59.988 ms
Loss rate: 0.90%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-21 20:20:18

End at: 2018-08-21 20:20:48

Local clock offset: -1.99 ms

Remote clock offset: -35.67 ms

Below is generated by plot.py at 2018-08-21 23:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.48 Mbit/s

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

Loss rate: 0.80%

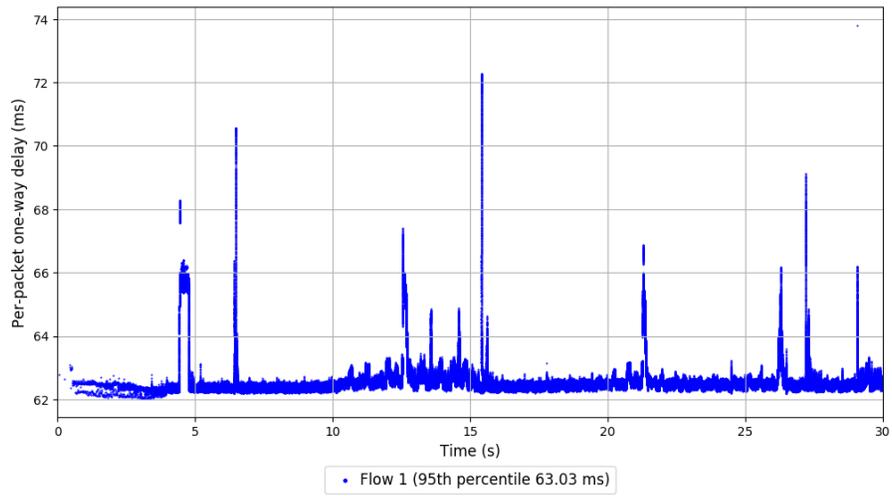
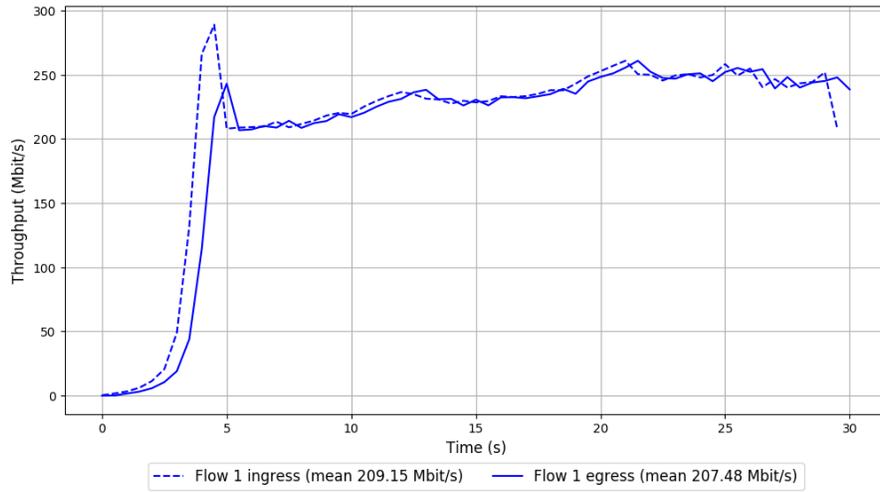
-- Flow 1:

Average throughput: 207.48 Mbit/s

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

Loss rate: 0.80%

Run 4: Report of PCC-Vivace — Data Link

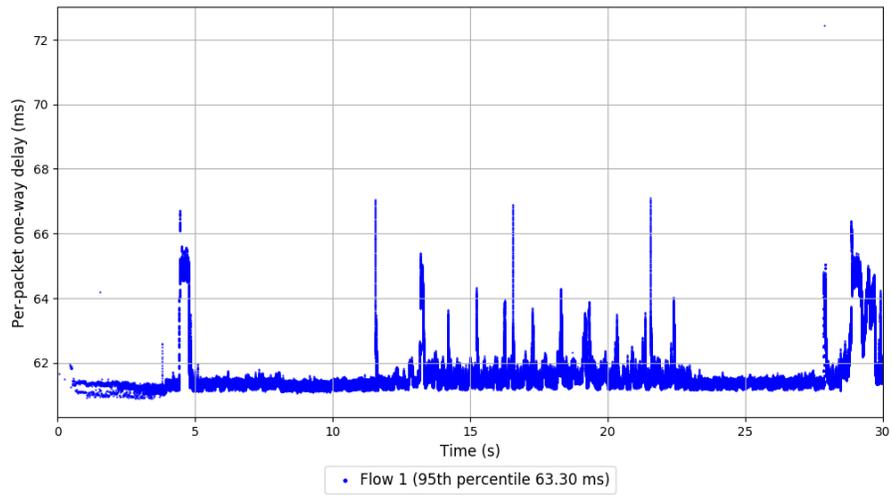
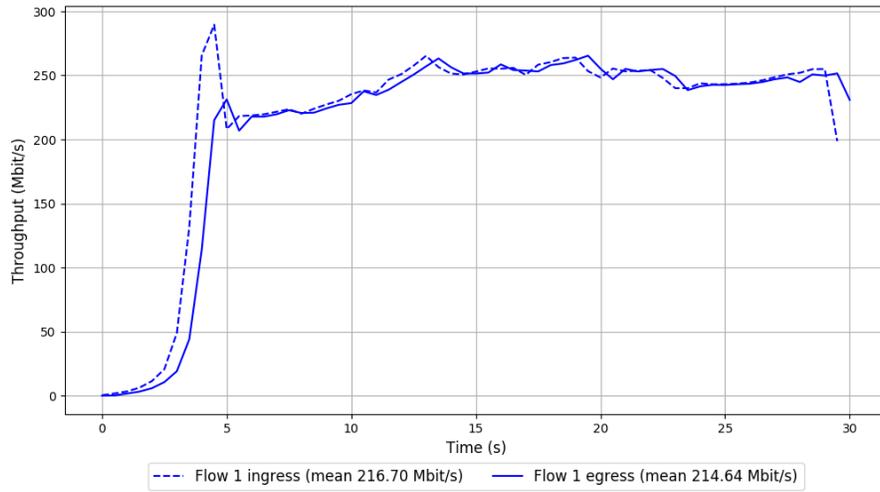


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-21 20:42:29
End at: 2018-08-21 20:42:59
Local clock offset: -4.263 ms
Remote clock offset: -39.099 ms

Below is generated by plot.py at 2018-08-21 23:51:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 63.304 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 63.304 ms
Loss rate: 0.95%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-21 21:10:16
End at: 2018-08-21 21:10:46
Local clock offset: 1.874 ms
Remote clock offset: -34.498 ms

Below is generated by plot.py at 2018-08-21 23:51:03

Datalink statistics

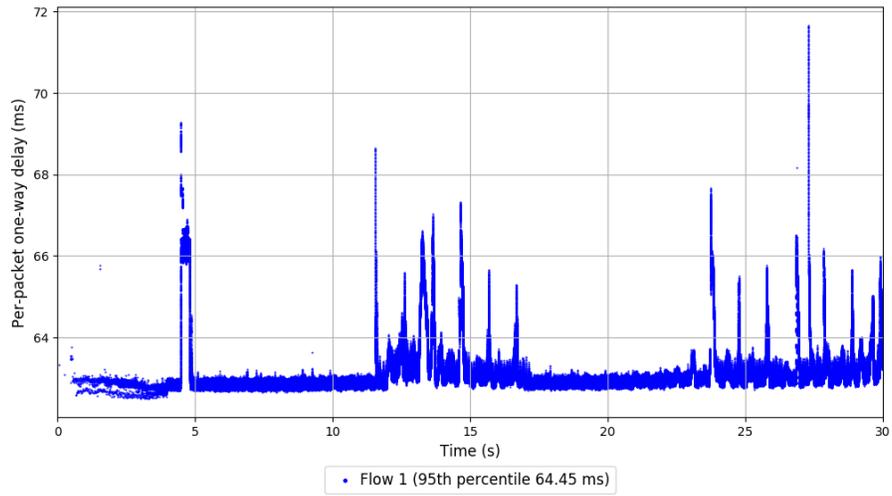
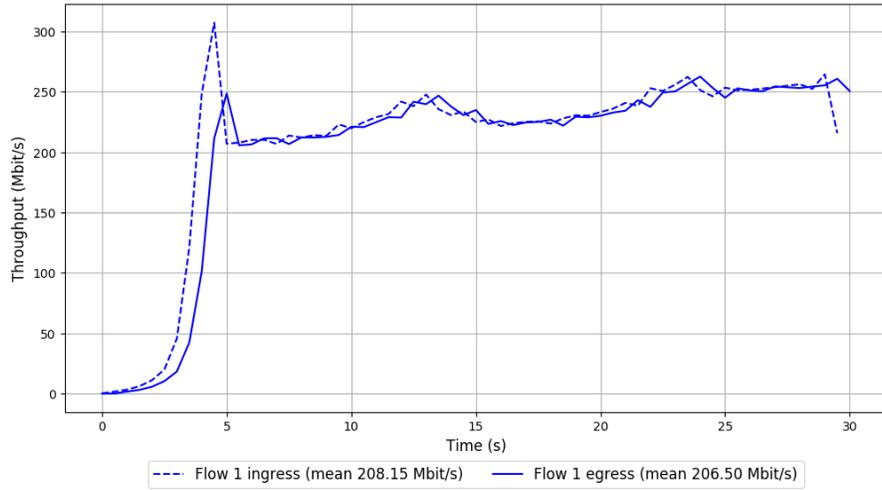
-- Total of 1 flow:

Average throughput: 206.50 Mbit/s
95th percentile per-packet one-way delay: 64.447 ms
Loss rate: 0.80%

-- Flow 1:

Average throughput: 206.50 Mbit/s
95th percentile per-packet one-way delay: 64.447 ms
Loss rate: 0.80%

Run 6: Report of PCC-Vivace — Data Link

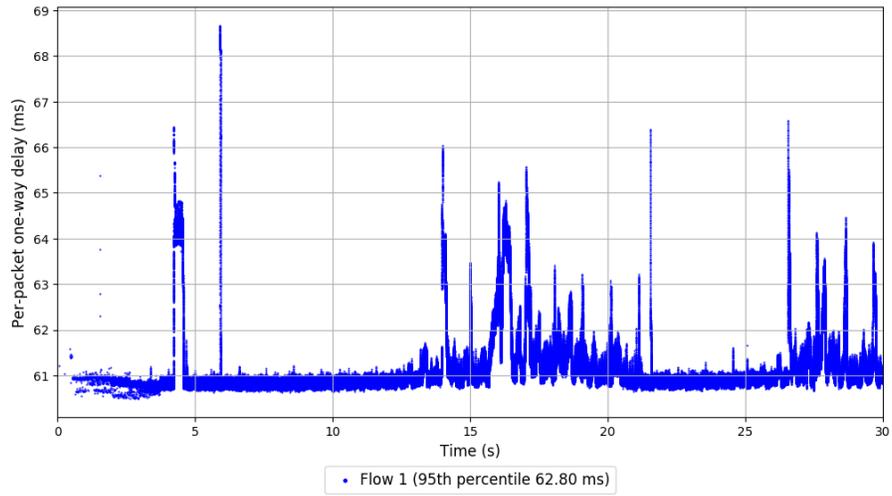
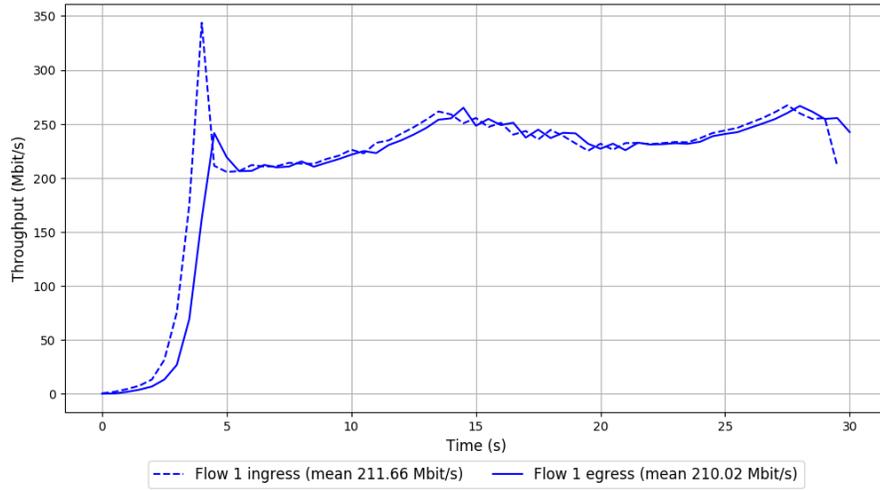


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-21 21:32:25
End at: 2018-08-21 21:32:55
Local clock offset: -0.314 ms
Remote clock offset: -36.746 ms

Below is generated by plot.py at 2018-08-21 23:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.02 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 210.02 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 0.77%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-21 21:54:30
End at: 2018-08-21 21:55:01
Local clock offset: 2.677 ms
Remote clock offset: -38.088 ms

Below is generated by plot.py at 2018-08-21 23:51:08

Datalink statistics

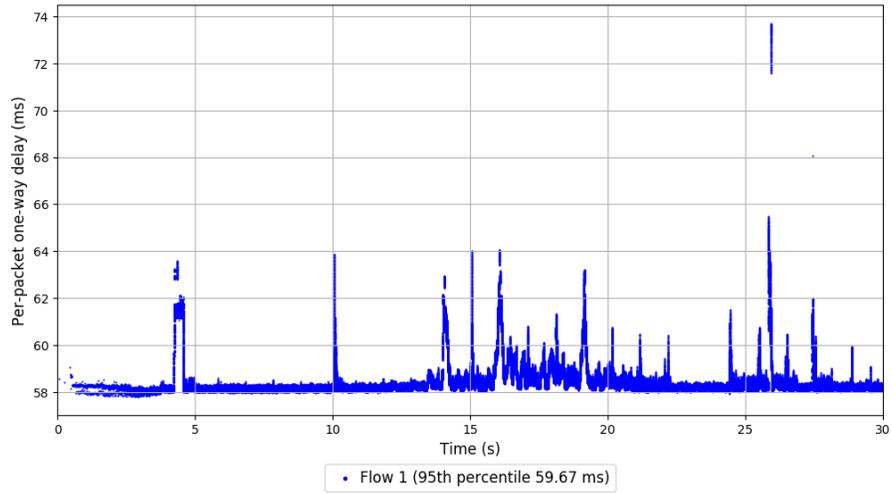
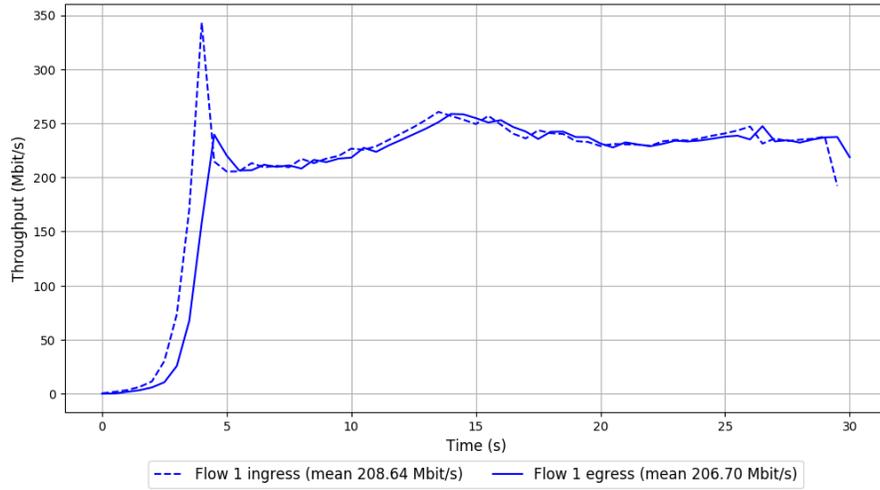
-- Total of 1 flow:

Average throughput: 206.70 Mbit/s
95th percentile per-packet one-way delay: 59.667 ms
Loss rate: 0.93%

-- Flow 1:

Average throughput: 206.70 Mbit/s
95th percentile per-packet one-way delay: 59.667 ms
Loss rate: 0.93%

Run 8: Report of PCC-Vivace — Data Link

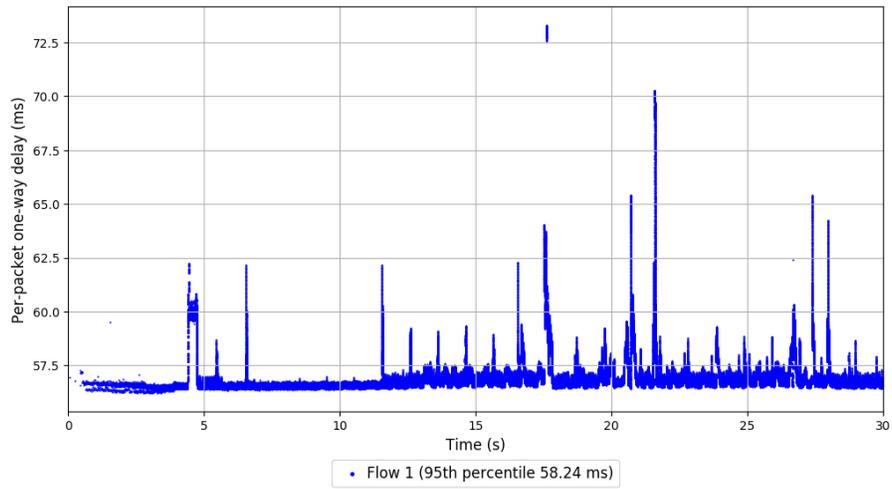
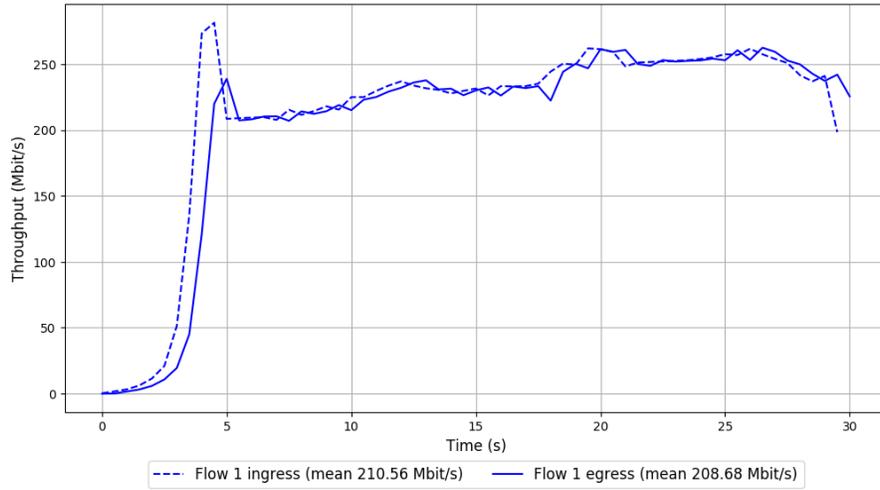


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-21 22:16:38
End at: 2018-08-21 22:17:08
Local clock offset: 2.117 ms
Remote clock offset: -41.261 ms

Below is generated by plot.py at 2018-08-21 23:51:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.68 Mbit/s
95th percentile per-packet one-way delay: 58.240 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 208.68 Mbit/s
95th percentile per-packet one-way delay: 58.240 ms
Loss rate: 0.90%

Run 9: Report of PCC-Vivace — Data Link

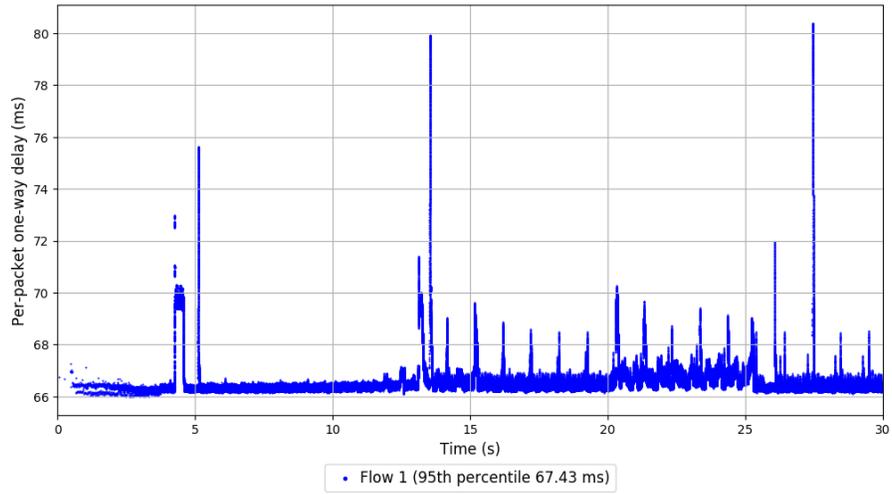
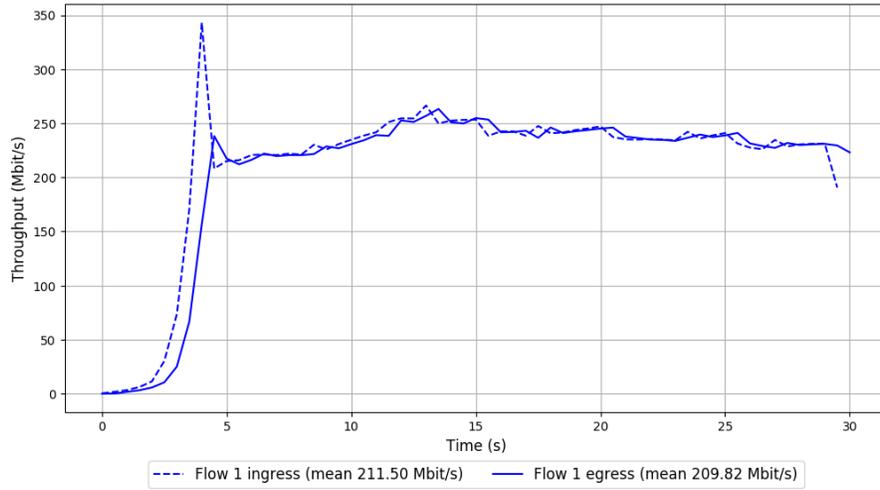


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-21 22:44:24
End at: 2018-08-21 22:44:54
Local clock offset: 0.638 ms
Remote clock offset: -33.076 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.82 Mbit/s
95th percentile per-packet one-way delay: 67.426 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 209.82 Mbit/s
95th percentile per-packet one-way delay: 67.426 ms
Loss rate: 0.79%

Run 10: Report of PCC-Vivace — Data Link

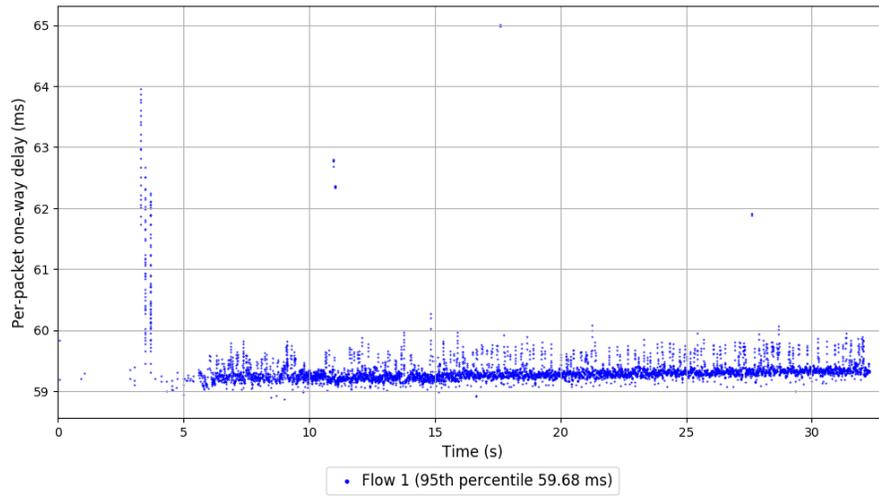
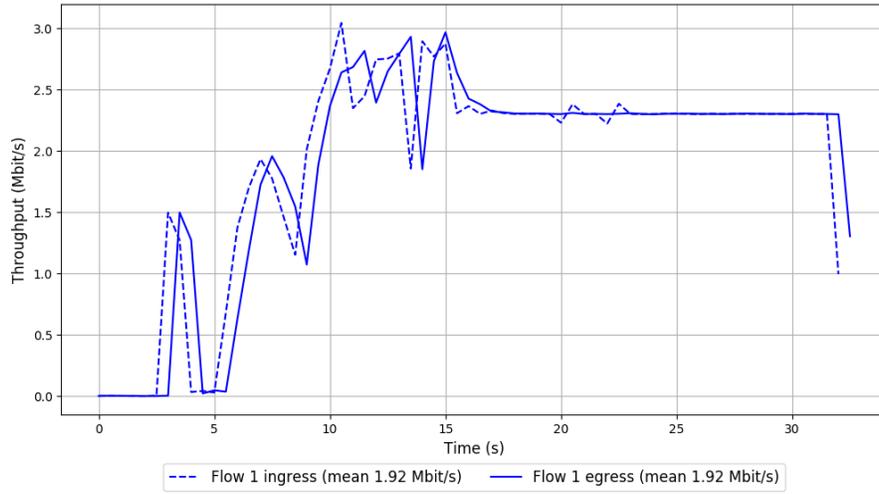


Run 1: Statistics of WebRTC media

Start at: 2018-08-21 19:14:55
End at: 2018-08-21 19:15:25
Local clock offset: -7.05 ms
Remote clock offset: -38.972 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 59.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 59.676 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

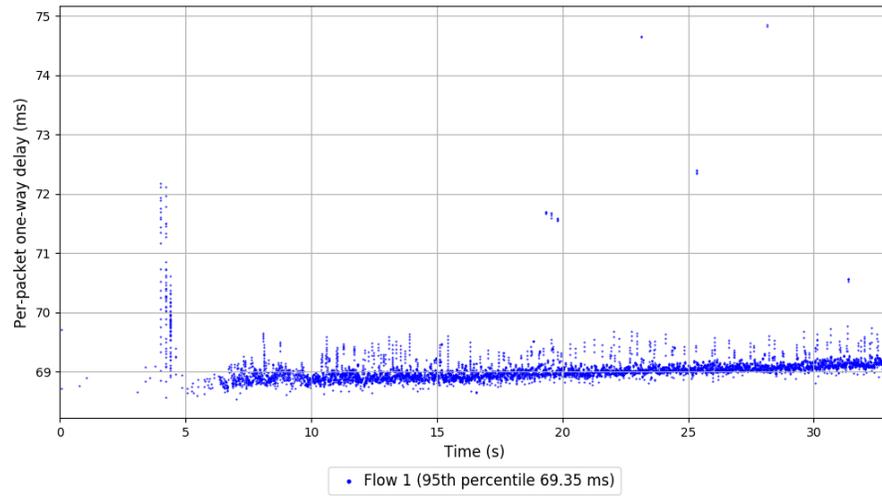
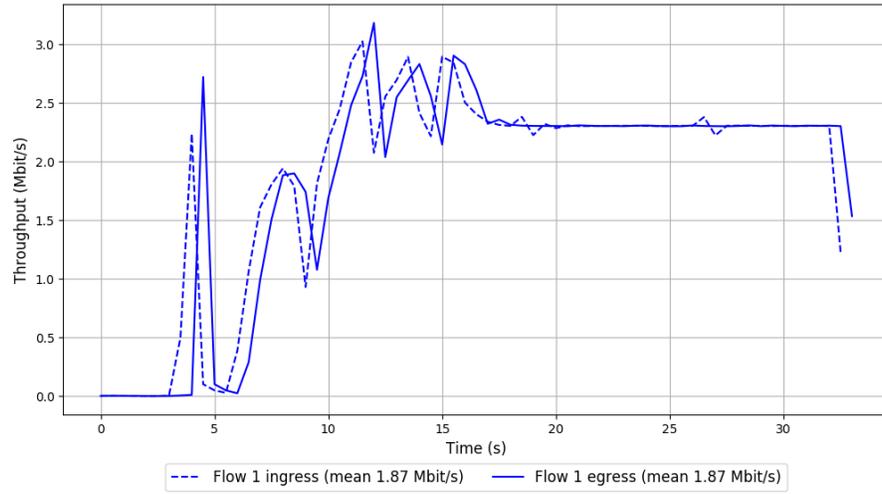


Run 2: Statistics of WebRTC media

Start at: 2018-08-21 19:37:10
End at: 2018-08-21 19:37:40
Local clock offset: -7.981 ms
Remote clock offset: -32.835 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 69.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 69.348 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

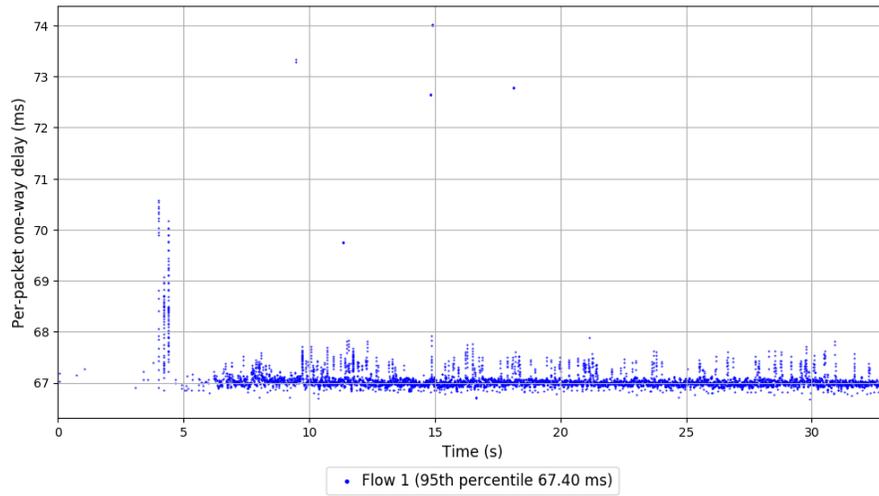
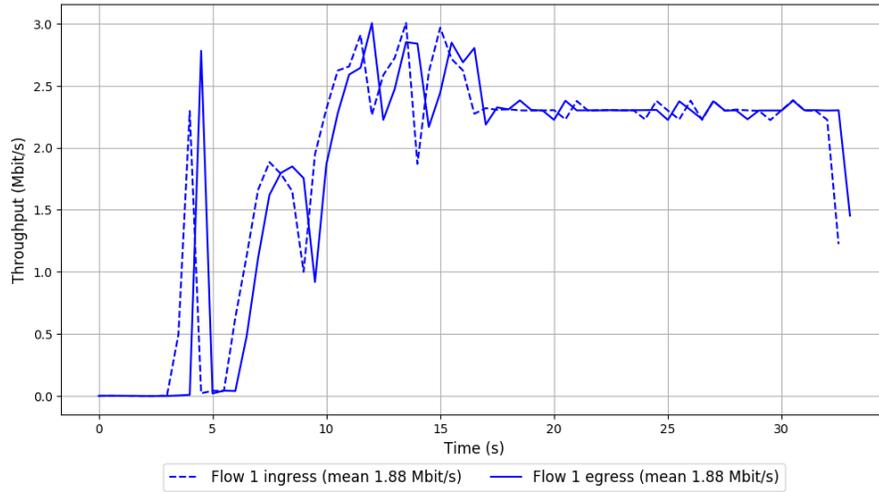


Run 3: Statistics of WebRTC media

Start at: 2018-08-21 20:04:49
End at: 2018-08-21 20:05:19
Local clock offset: -3.4 ms
Remote clock offset: -35.154 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 67.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 67.404 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

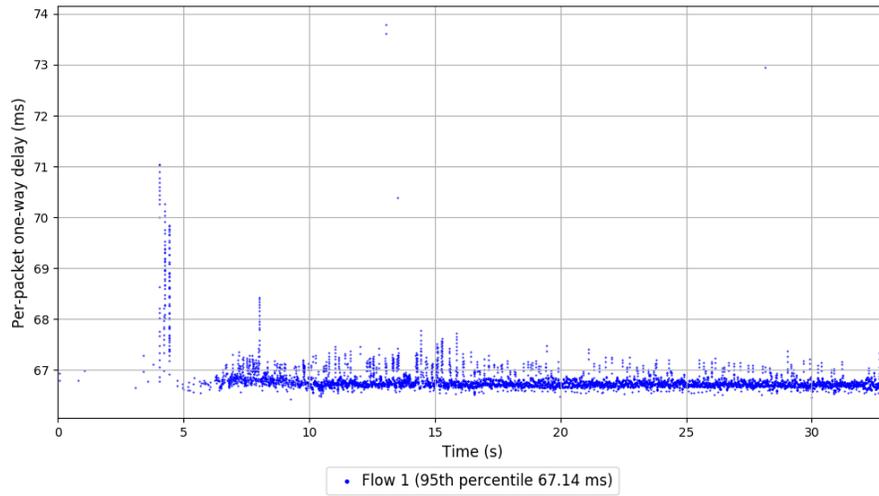
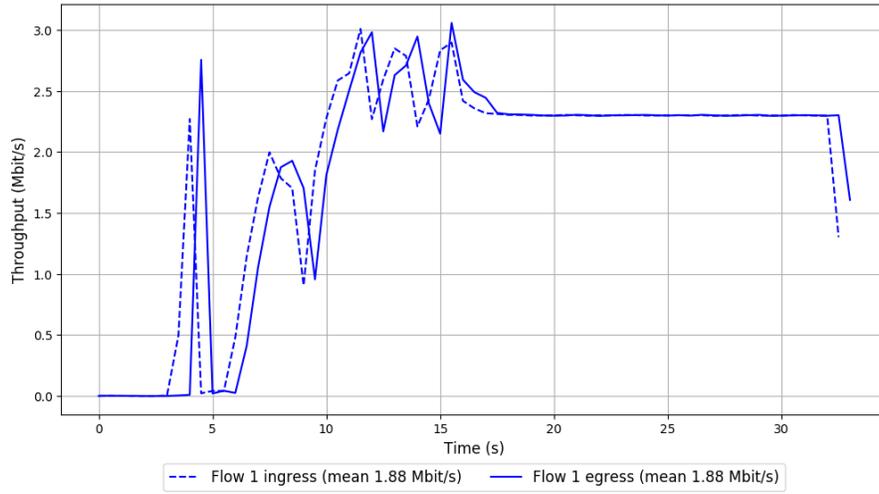


Run 4: Statistics of WebRTC media

Start at: 2018-08-21 20:26:58
End at: 2018-08-21 20:27:28
Local clock offset: -2.398 ms
Remote clock offset: -34.017 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 67.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 67.136 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

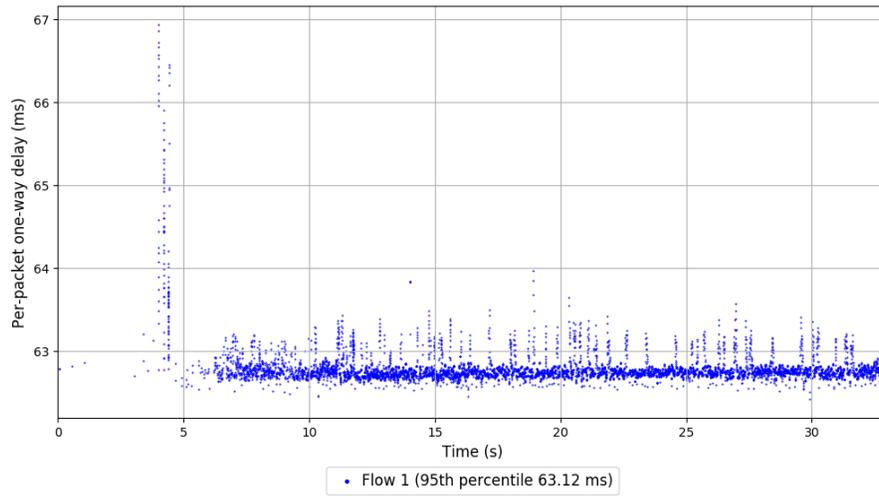
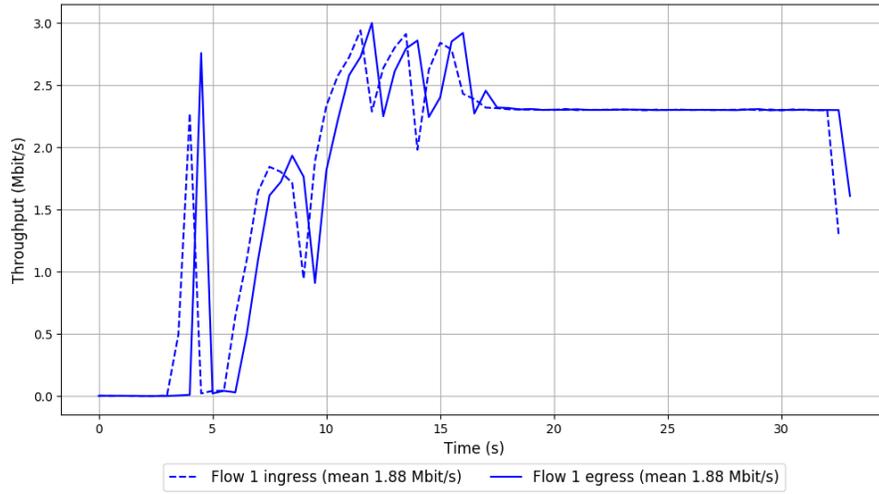


Run 5: Statistics of WebRTC media

Start at: 2018-08-21 20:54:48
End at: 2018-08-21 20:55:18
Local clock offset: -2.251 ms
Remote clock offset: -38.717 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 63.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 63.120 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

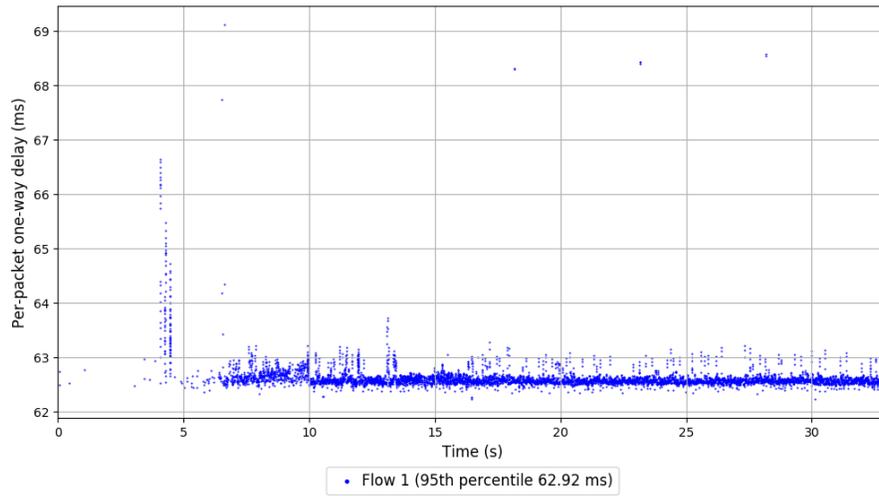
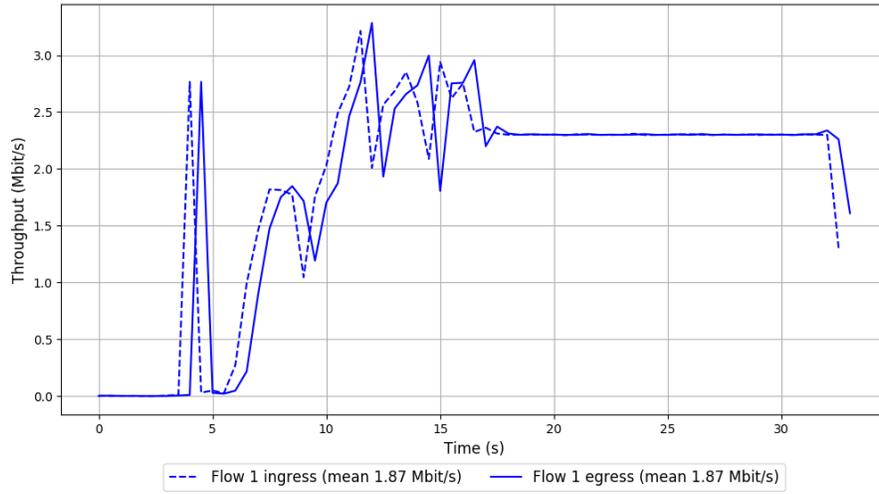


Run 6: Statistics of WebRTC media

Start at: 2018-08-21 21:16:54
End at: 2018-08-21 21:17:24
Local clock offset: -0.443 ms
Remote clock offset: -35.186 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 62.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 62.925 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

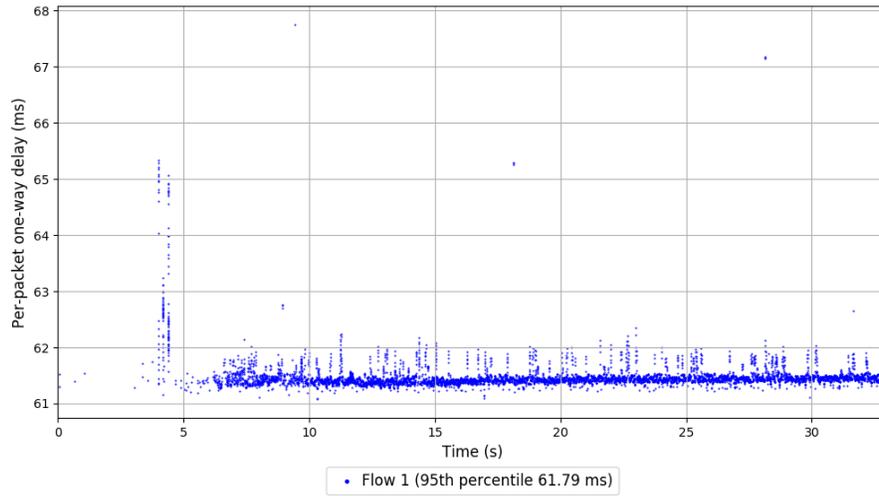
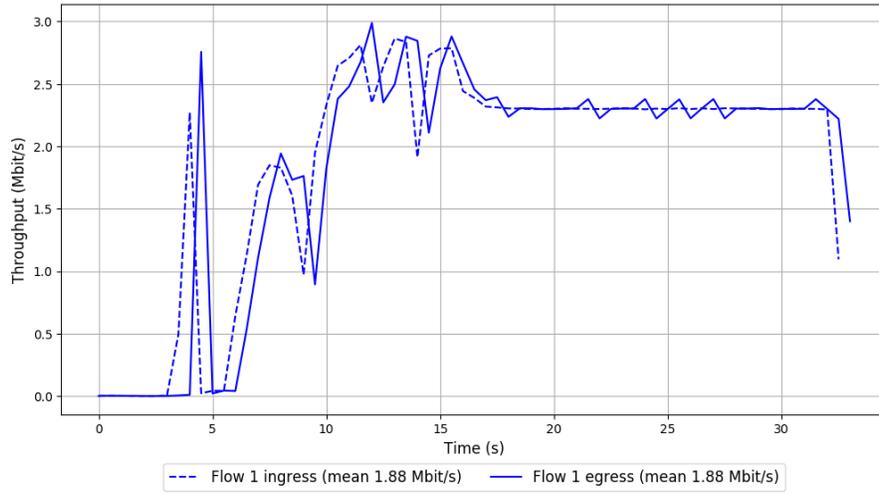


Run 7: Statistics of WebRTC media

Start at: 2018-08-21 21:39:04
End at: 2018-08-21 21:39:34
Local clock offset: 1.546 ms
Remote clock offset: -34.776 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

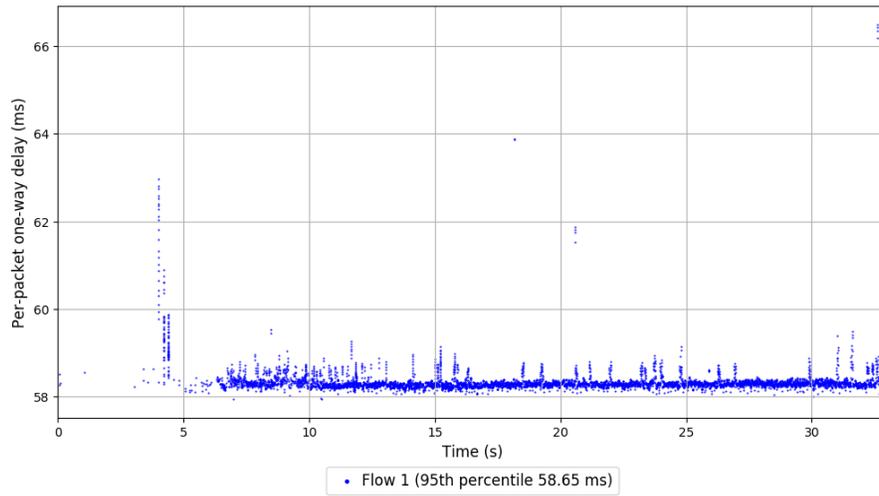
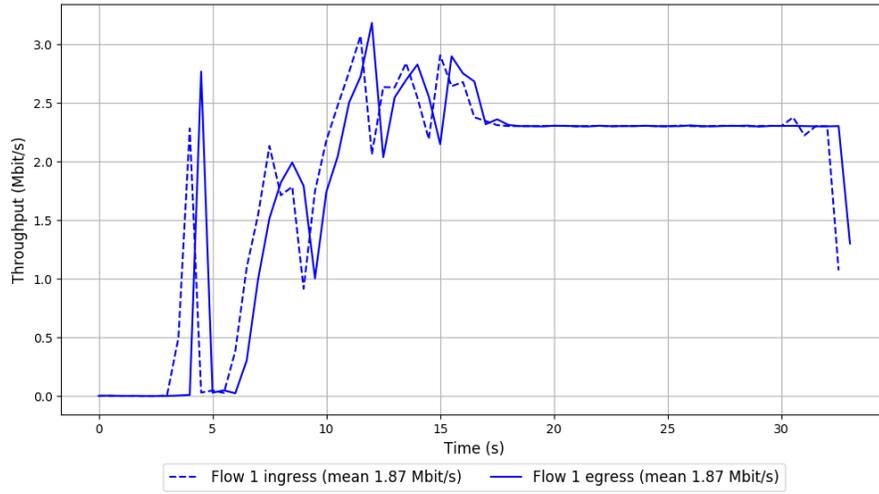


Run 8: Statistics of WebRTC media

Start at: 2018-08-21 22:01:10
End at: 2018-08-21 22:01:40
Local clock offset: 1.561 ms
Remote clock offset: -39.327 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 58.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 58.654 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

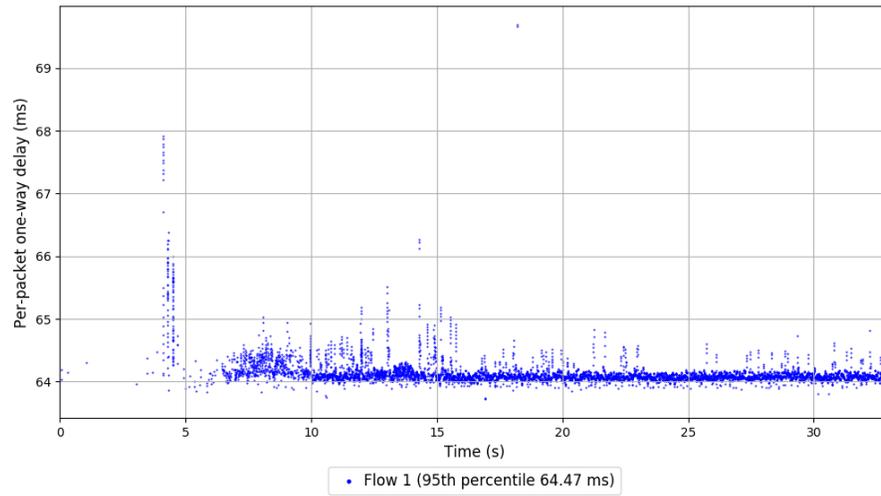
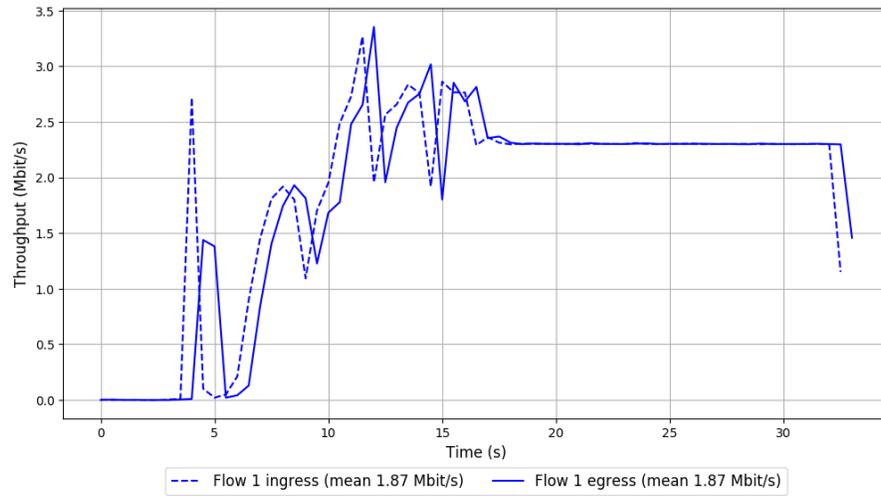


Run 9: Statistics of WebRTC media

Start at: 2018-08-21 22:28:55
End at: 2018-08-21 22:29:25
Local clock offset: 4.207 ms
Remote clock offset: -34.57 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 64.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 64.465 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-21 22:51:02
End at: 2018-08-21 22:51:32
Local clock offset: 0.95 ms
Remote clock offset: -39.827 ms

Below is generated by plot.py at 2018-08-21 23:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 61.673 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

