

Pantheon Report

Generated at 2018-08-09 20:57:23 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

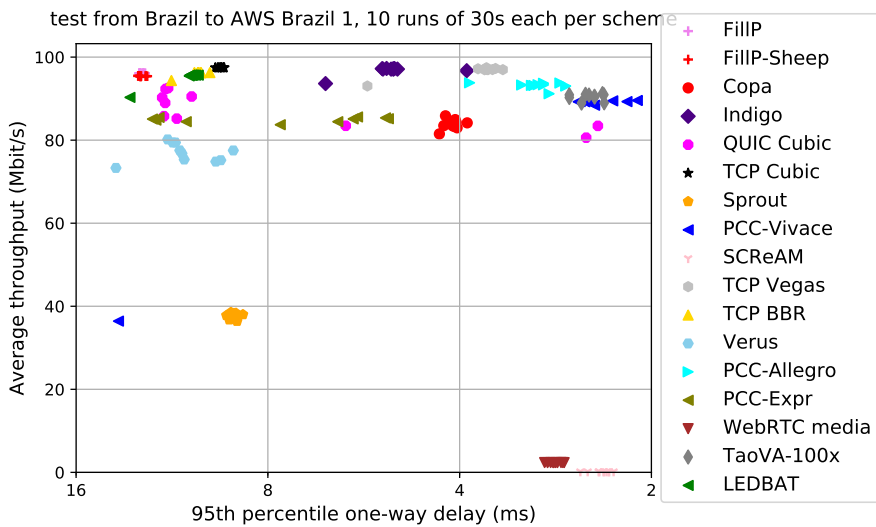
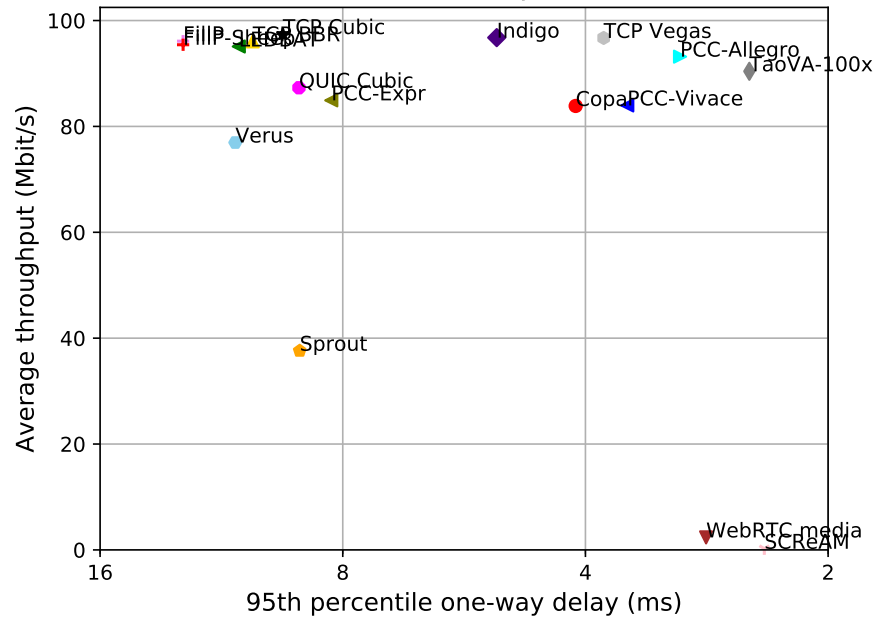
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quirk @ 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 Brazil to AWS Brazil 1, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.07	10.35	0.05
Copa	10	83.86	4.11	0.02
TCP Cubic	10	97.45	9.49	0.06
FillP	10	96.10	12.62	0.05
FillP-Sheep	10	95.43	12.62	0.05
Indigo	10	96.77	5.15	0.02
LEDBAT	10	95.10	10.77	0.08
PCC-Allegro	10	93.18	3.05	0.03
PCC-Expr	10	84.92	8.27	0.04
QUIC Cubic	10	87.31	9.07	0.04
SCReAM	10	0.22	2.40	0.03
Sprout	10	37.62	9.05	0.02
TaoVA-100x	10	90.41	2.50	0.02
TCP Vegas	10	96.71	3.80	0.02
Verus	10	76.96	10.87	0.03
PCC-Vivace	10	83.96	3.55	0.04
WebRTC media	10	2.36	2.83	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 17:24:00

End at: 2018-08-09 17:24:30

Local clock offset: -7.888 ms

Remote clock offset: -6.763 ms

Below is generated by plot.py at 2018-08-09 20:34:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 11.337 ms

Loss rate: 0.05%

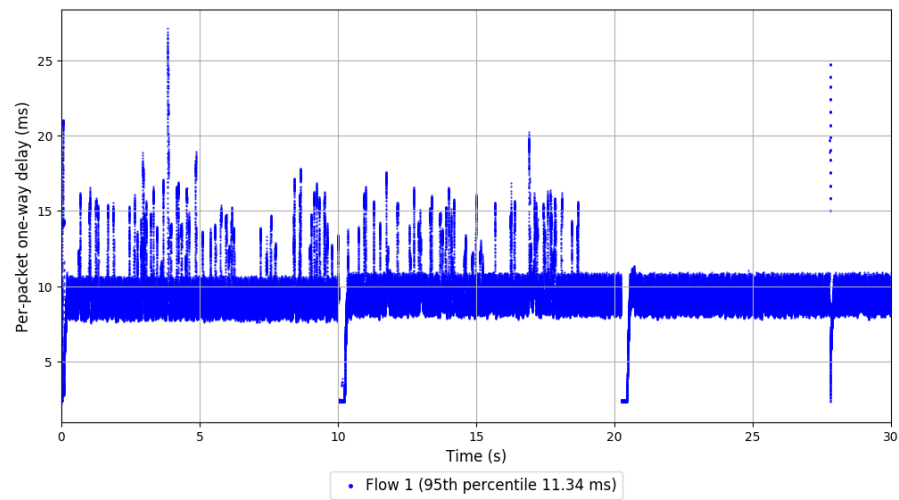
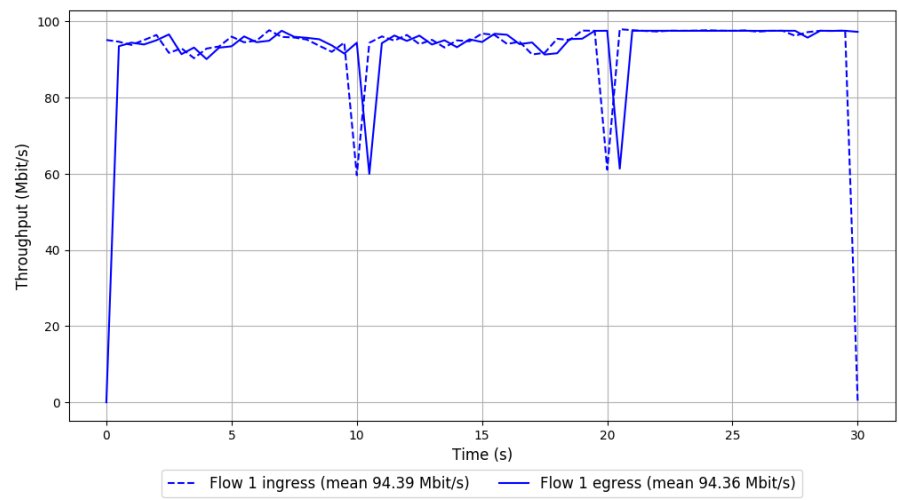
-- Flow 1:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 11.337 ms

Loss rate: 0.05%

Run 1: Report of TCP BBR — Data Link

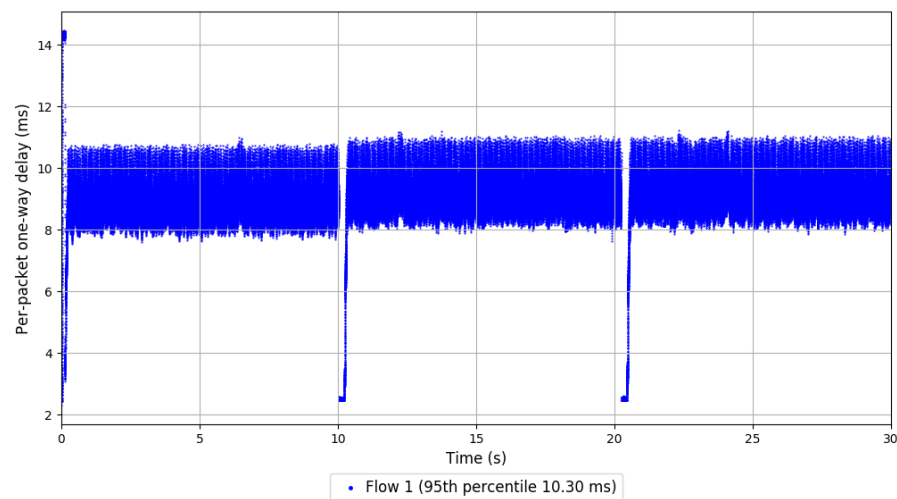
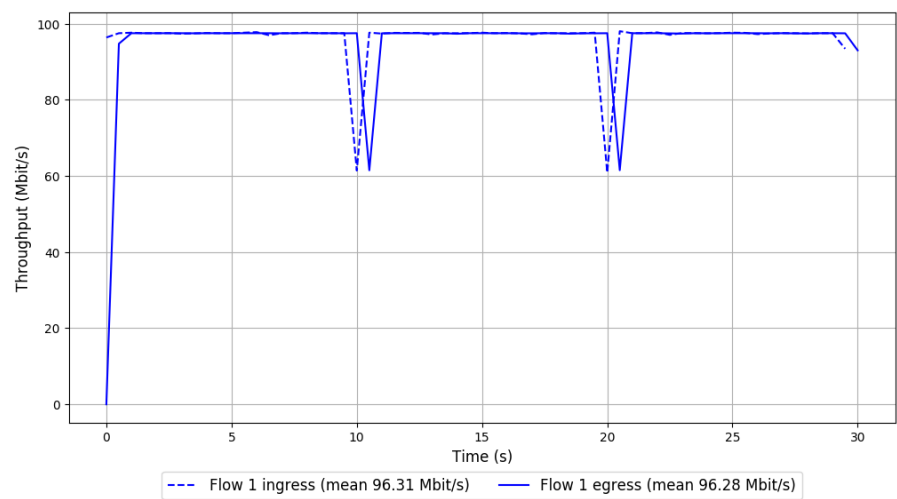


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 17:42:59
End at: 2018-08-09 17:43:29
Local clock offset: -7.589 ms
Remote clock offset: -6.533 ms

Below is generated by plot.py at 2018-08-09 20:35:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.297 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.297 ms
Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link

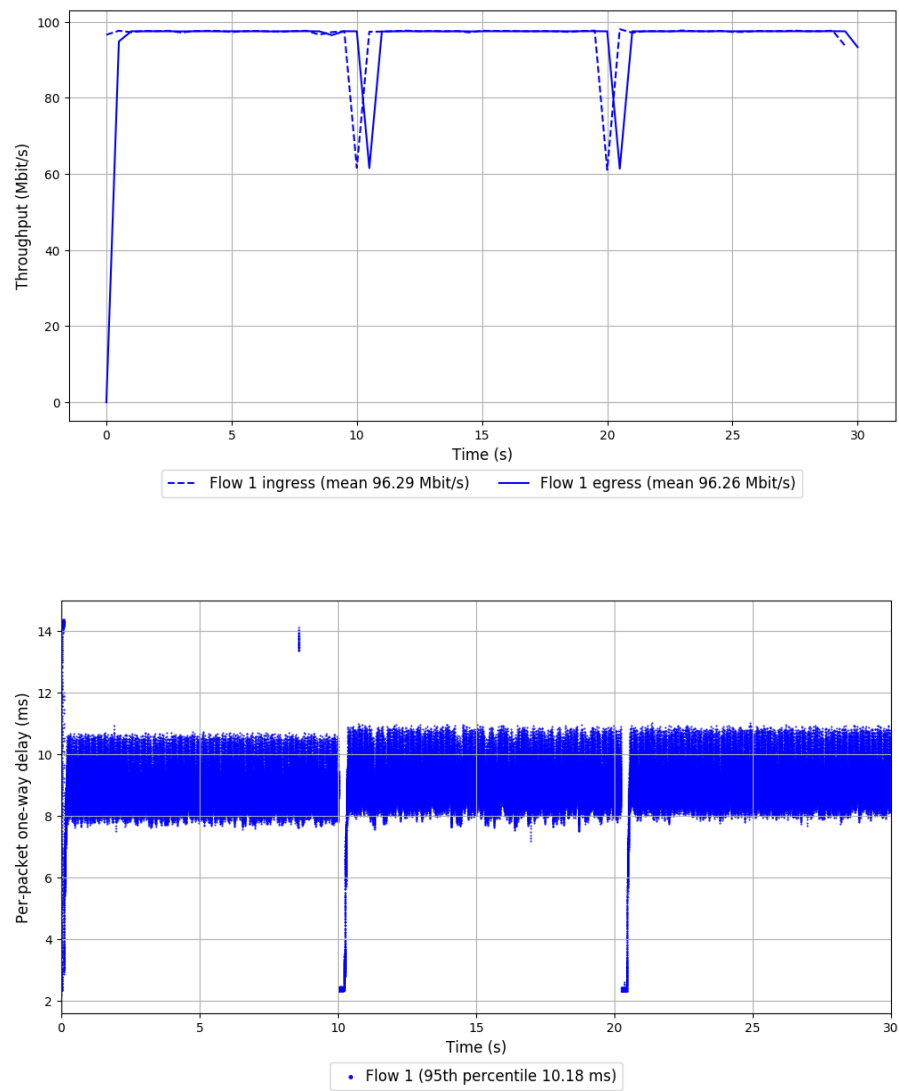


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 18:02:01
End at: 2018-08-09 18:02:31
Local clock offset: -6.732 ms
Remote clock offset: -8.646 ms

Below is generated by plot.py at 2018-08-09 20:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.184 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.184 ms
Loss rate: 0.05%

Run 3: Report of TCP BBR — Data Link

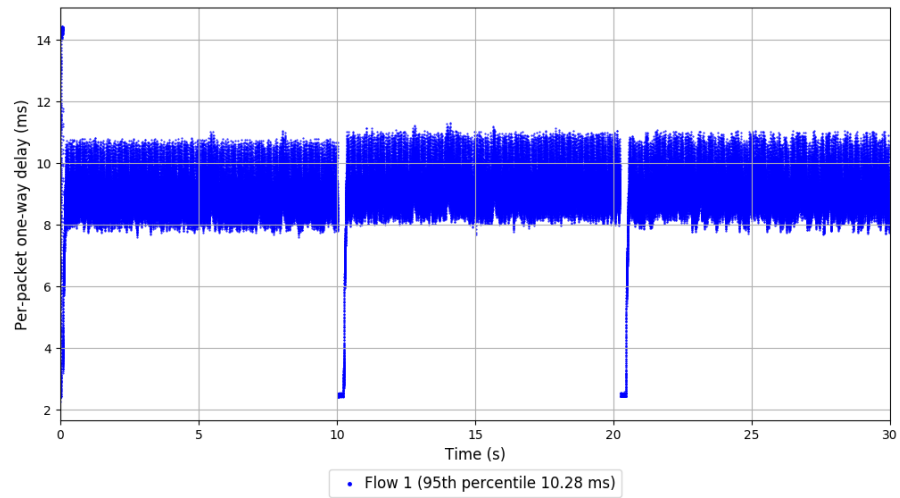
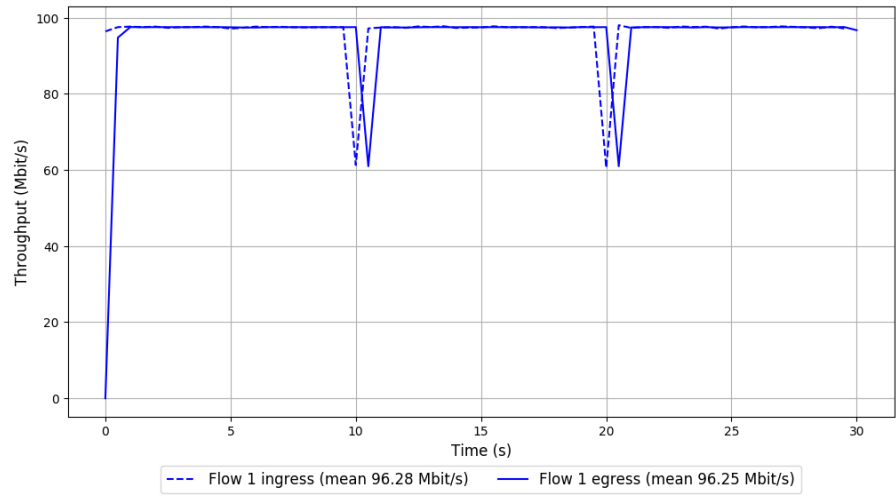


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 18:21:04
End at: 2018-08-09 18:21:34
Local clock offset: -6.919 ms
Remote clock offset: -9.399 ms

Below is generated by plot.py at 2018-08-09 20:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.276 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.276 ms
Loss rate: 0.05%

Run 4: Report of TCP BBR — Data Link

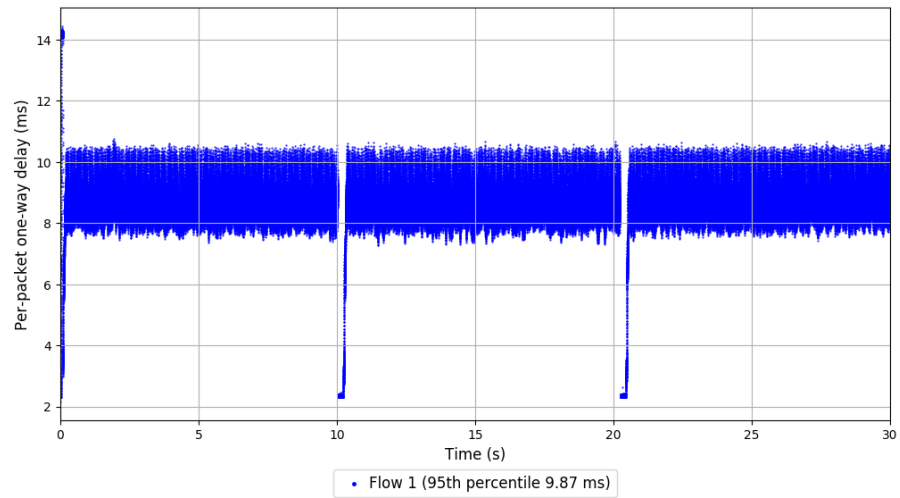
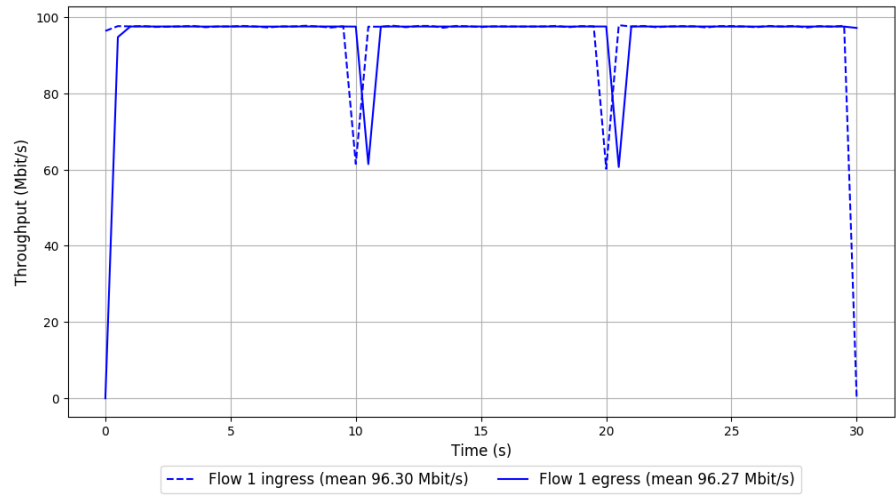


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 18:40:07
End at: 2018-08-09 18:40:37
Local clock offset: -7.449 ms
Remote clock offset: -9.766 ms

Below is generated by plot.py at 2018-08-09 20:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.865 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.865 ms
Loss rate: 0.04%

Run 5: Report of TCP BBR — Data Link

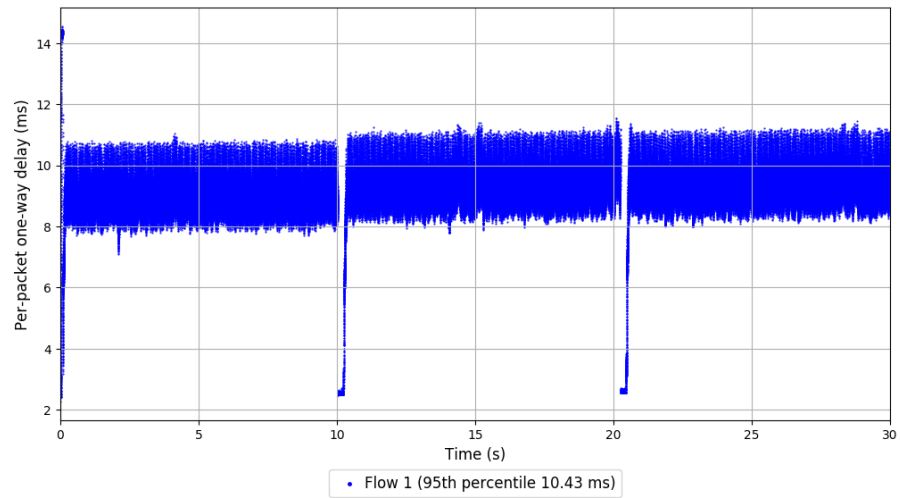
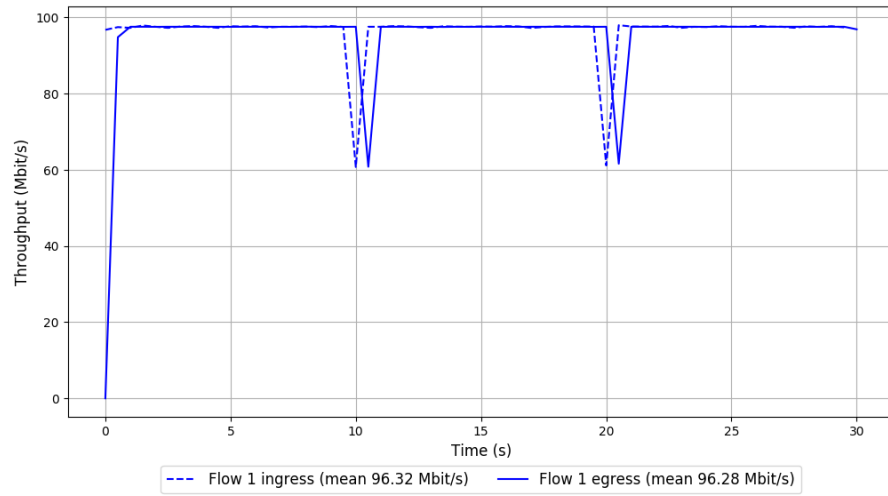


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 18:59:10
End at: 2018-08-09 18:59:40
Local clock offset: -3.371 ms
Remote clock offset: -7.288 ms

Below is generated by plot.py at 2018-08-09 20:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.432 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.432 ms
Loss rate: 0.05%

Run 6: Report of TCP BBR — Data Link

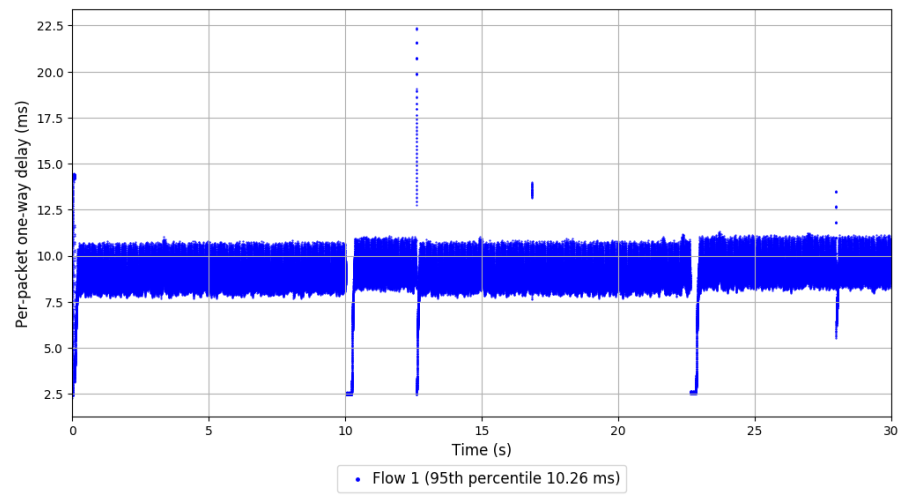
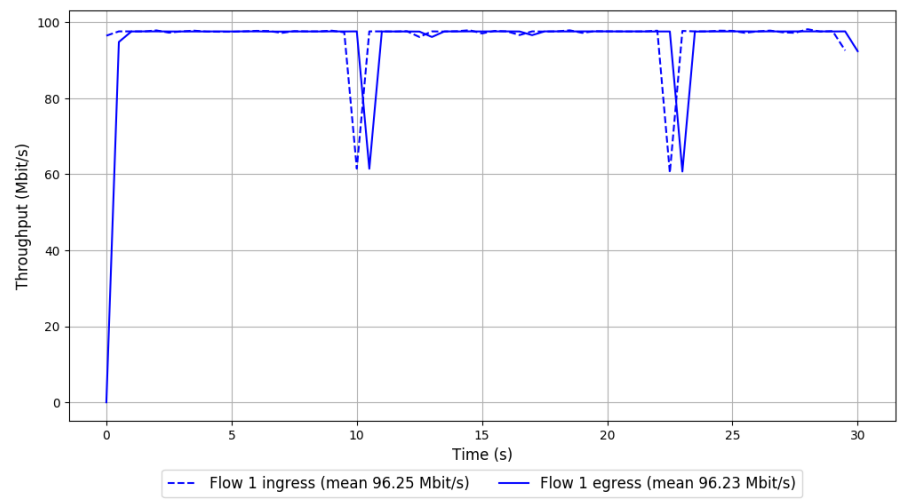


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 19:18:12
End at: 2018-08-09 19:18:42
Local clock offset: -2.291 ms
Remote clock offset: -1.591 ms

Below is generated by plot.py at 2018-08-09 20:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.262 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.262 ms
Loss rate: 0.04%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 19:37:15

End at: 2018-08-09 19:37:45

Local clock offset: -2.834 ms

Remote clock offset: 0.716 ms

Below is generated by plot.py at 2018-08-09 20:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.294 ms

Loss rate: 0.05%

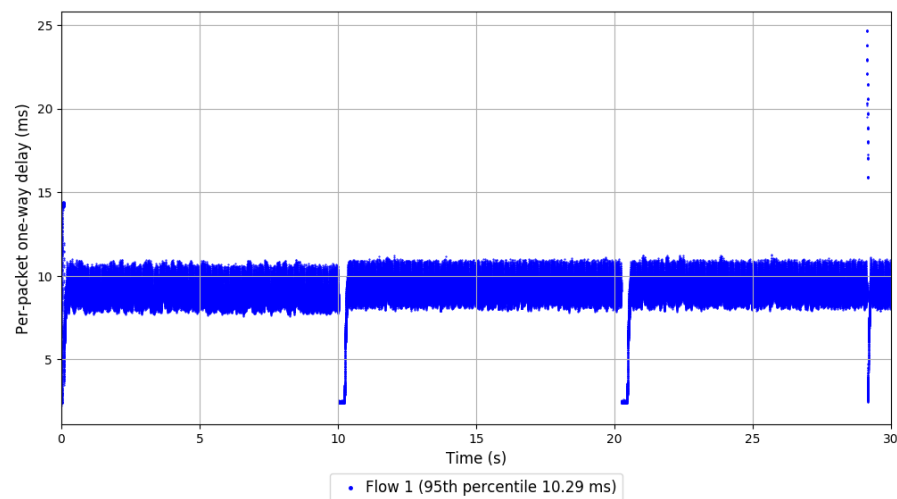
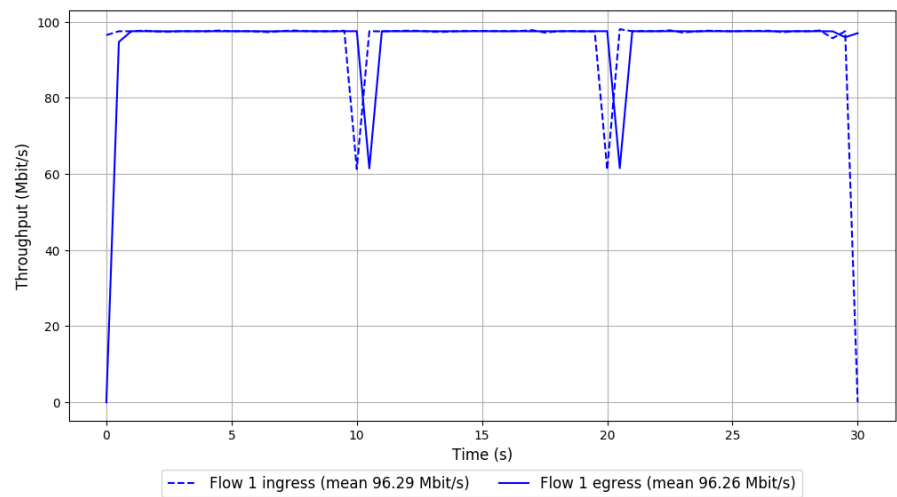
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.294 ms

Loss rate: 0.05%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 19:56:18

End at: 2018-08-09 19:56:48

Local clock offset: -2.333 ms

Remote clock offset: 2.739 ms

Below is generated by plot.py at 2018-08-09 20:35:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 10.310 ms

Loss rate: 0.08%

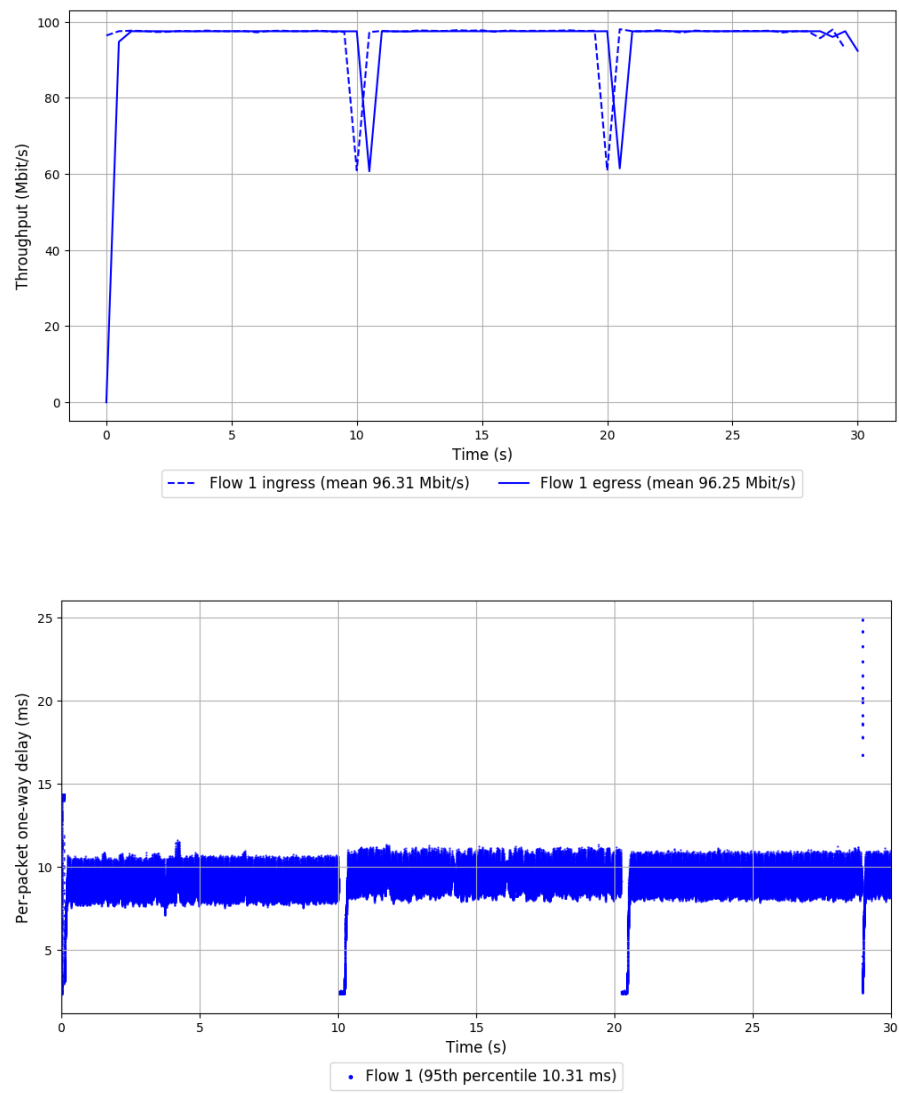
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 10.310 ms

Loss rate: 0.08%

Run 9: Report of TCP BBR — Data Link

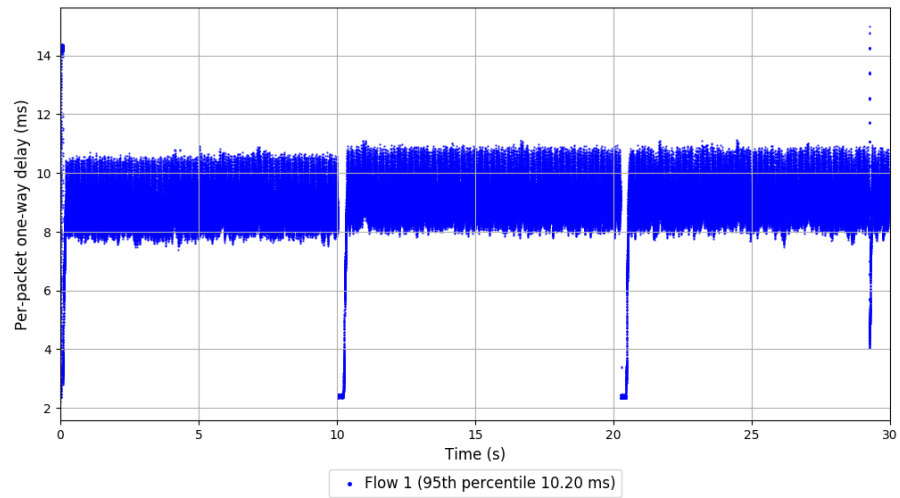
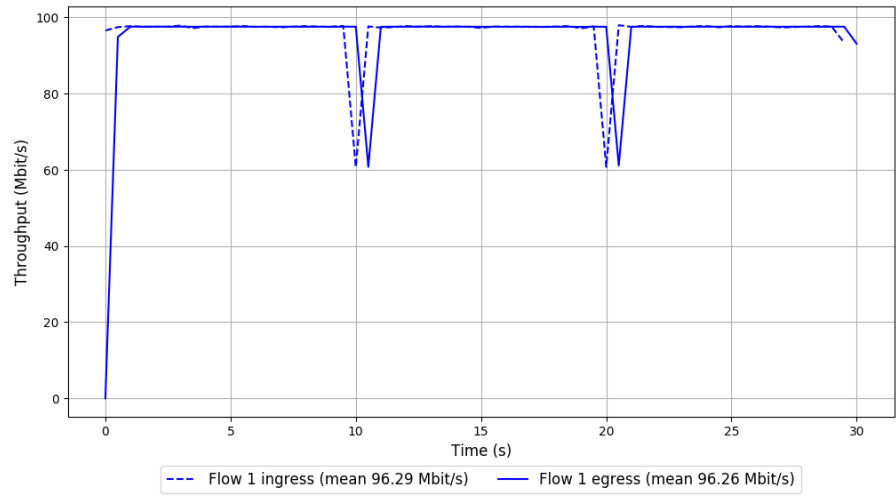


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 20:15:20
End at: 2018-08-09 20:15:50
Local clock offset: -1.788 ms
Remote clock offset: -1.761 ms

Below is generated by plot.py at 2018-08-09 20:35:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.196 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.196 ms
Loss rate: 0.04%

Run 10: Report of TCP BBR — Data Link

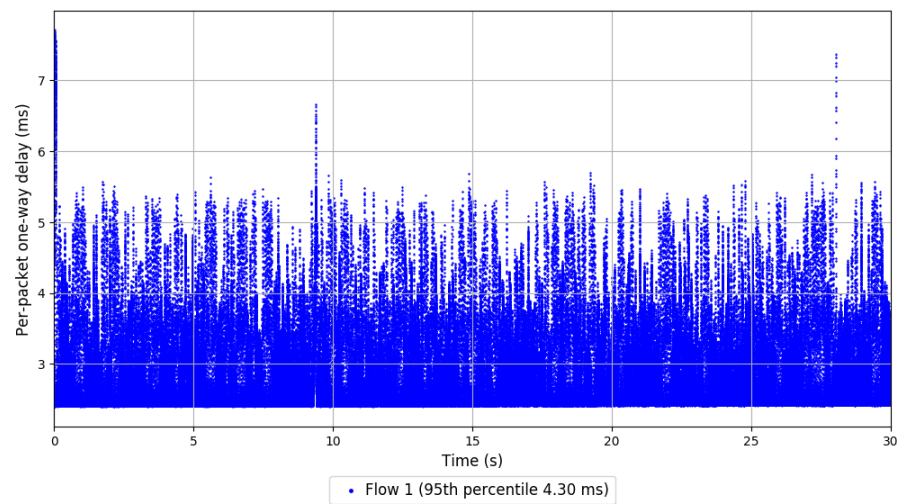
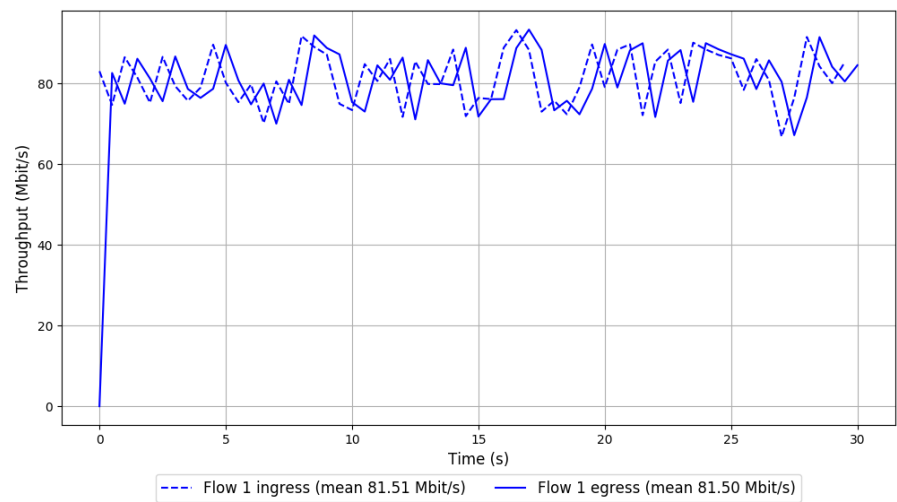


Run 1: Statistics of Copa

Start at: 2018-08-09 17:37:18
End at: 2018-08-09 17:37:48
Local clock offset: -7.506 ms
Remote clock offset: -6.559 ms

Below is generated by plot.py at 2018-08-09 20:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 4.304 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 4.304 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

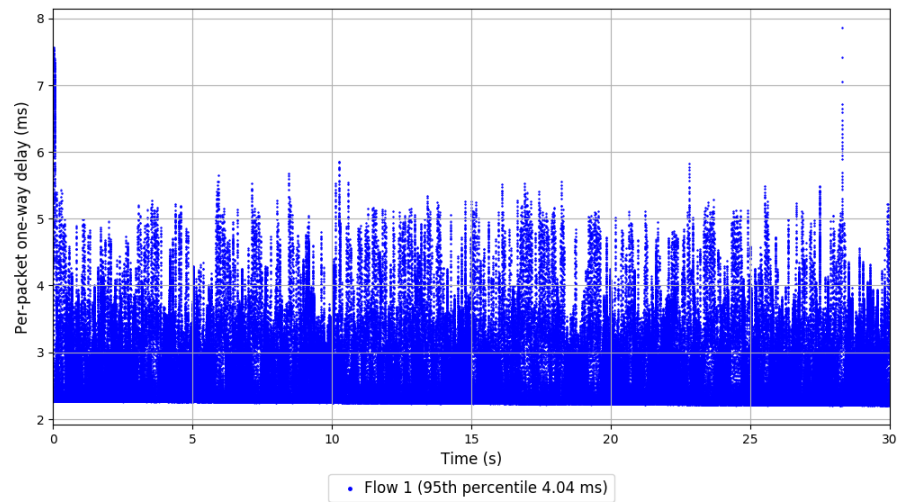
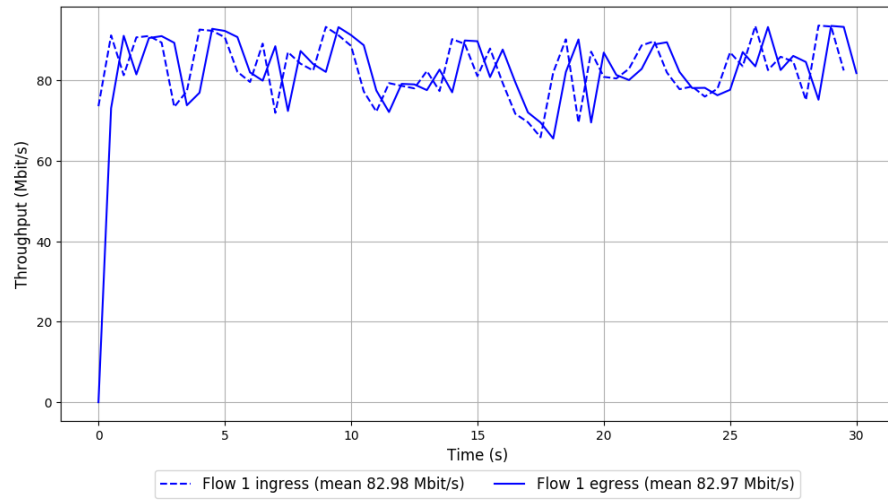


Run 2: Statistics of Copa

Start at: 2018-08-09 17:56:20
End at: 2018-08-09 17:56:50
Local clock offset: -6.973 ms
Remote clock offset: -8.163 ms

Below is generated by plot.py at 2018-08-09 20:36:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 4.037 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 4.037 ms
Loss rate: 0.03%

Run 2: Report of Copa — Data Link

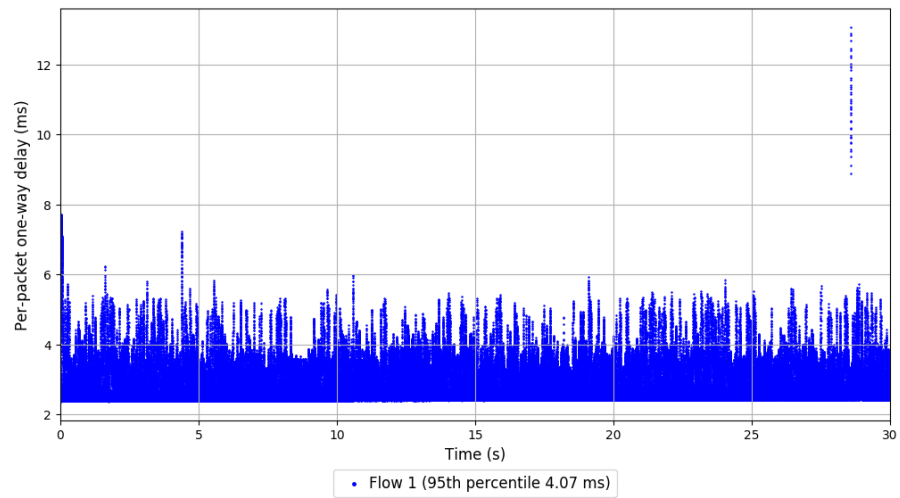
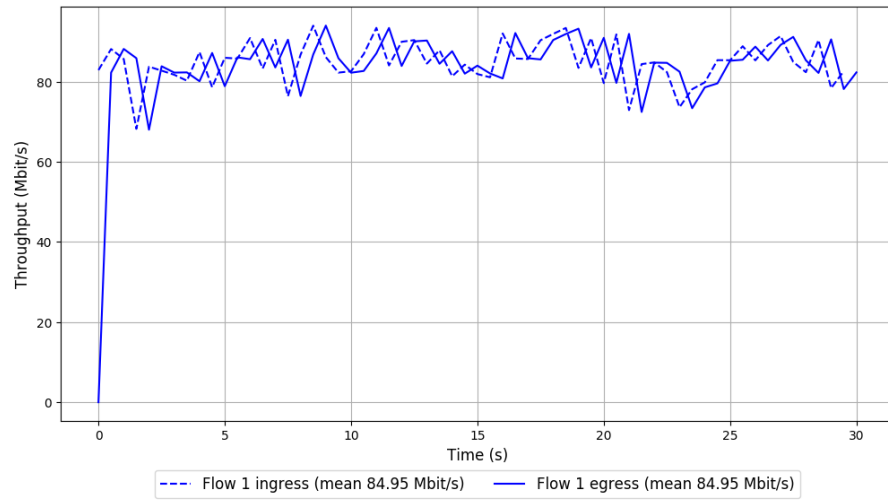


Run 3: Statistics of Copa

Start at: 2018-08-09 18:15:23
End at: 2018-08-09 18:15:53
Local clock offset: -6.469 ms
Remote clock offset: -9.234 ms

Below is generated by plot.py at 2018-08-09 20:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 4.065 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 4.065 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

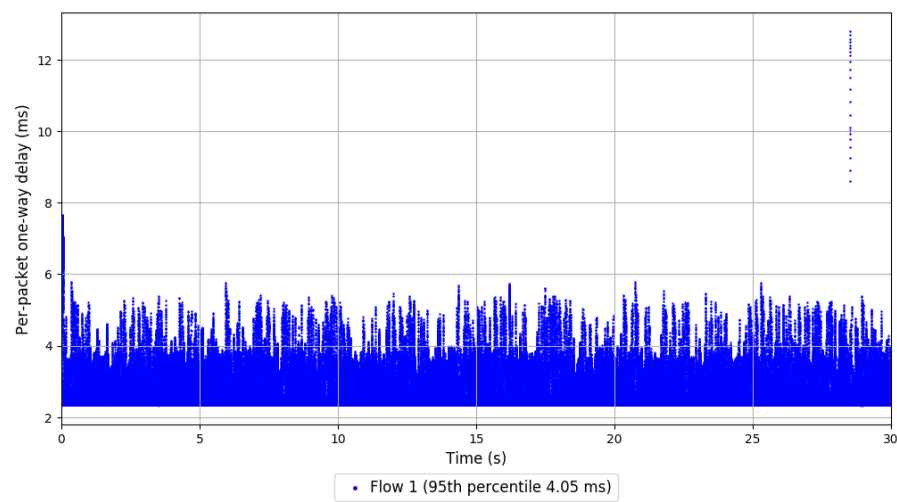
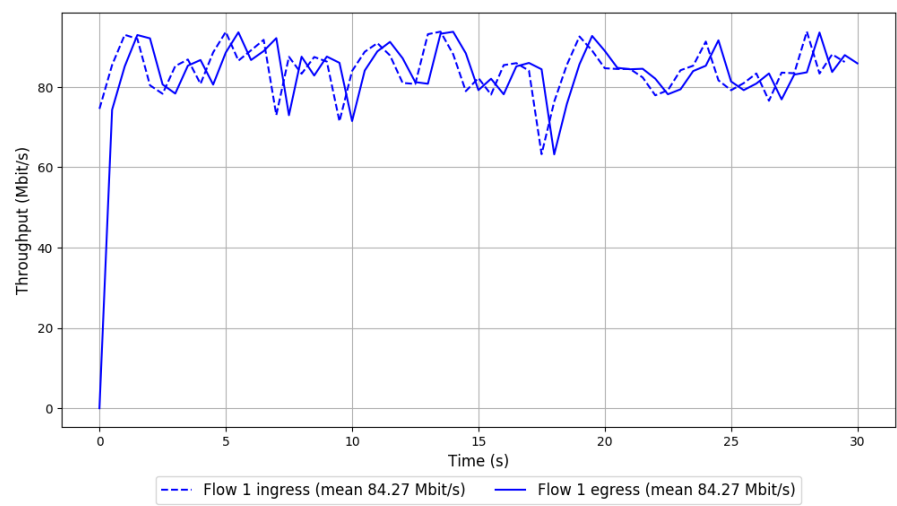


Run 4: Statistics of Copa

Start at: 2018-08-09 18:34:26
End at: 2018-08-09 18:34:56
Local clock offset: -7.346 ms
Remote clock offset: -9.651 ms

Below is generated by plot.py at 2018-08-09 20:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

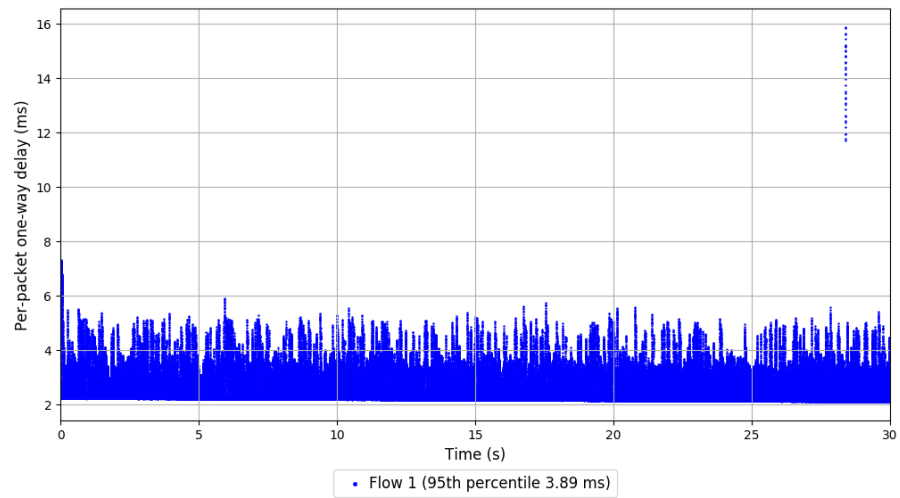
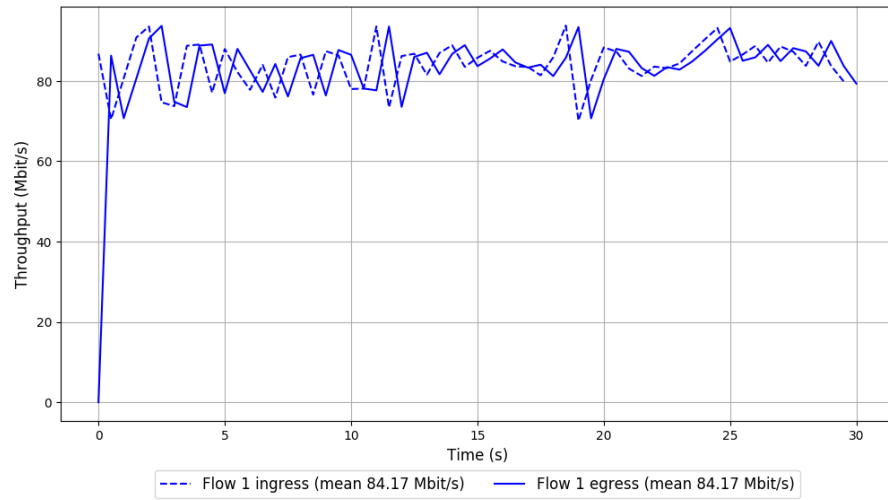


Run 5: Statistics of Copa

Start at: 2018-08-09 18:53:29
End at: 2018-08-09 18:53:59
Local clock offset: -4.439 ms
Remote clock offset: -9.984 ms

Below is generated by plot.py at 2018-08-09 20:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 3.892 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 3.892 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link

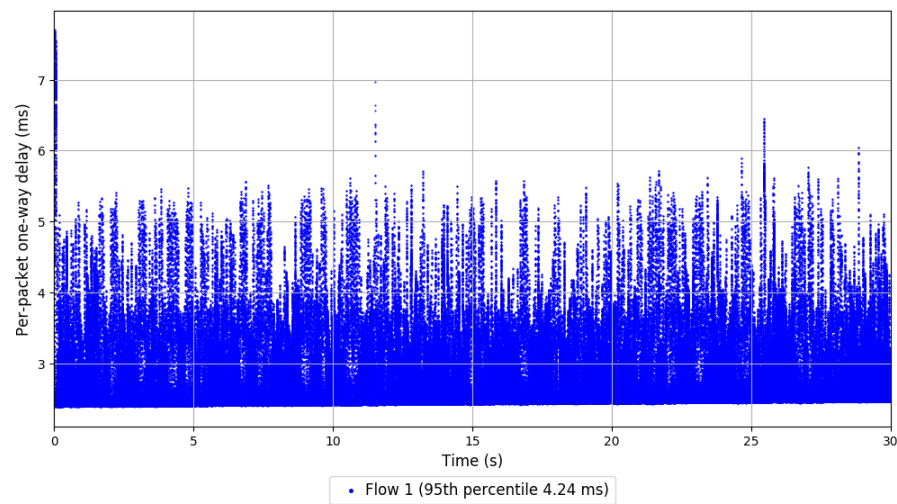
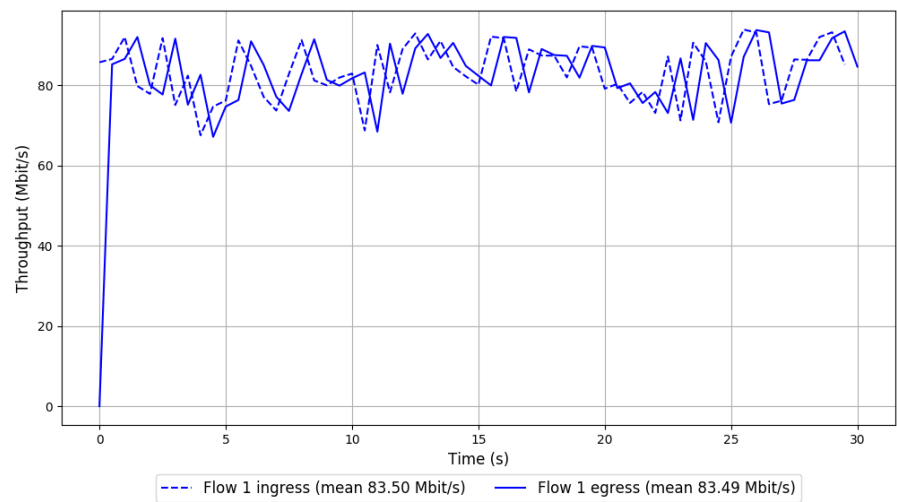


Run 6: Statistics of Copa

Start at: 2018-08-09 19:12:31
End at: 2018-08-09 19:13:01
Local clock offset: -2.001 ms
Remote clock offset: -2.583 ms

Below is generated by plot.py at 2018-08-09 20:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 4.236 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 4.236 ms
Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-09 19:31:34

End at: 2018-08-09 19:32:04

Local clock offset: -2.826 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-08-09 20:37:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.55 Mbit/s

95th percentile per-packet one-way delay: 4.144 ms

Loss rate: 0.01%

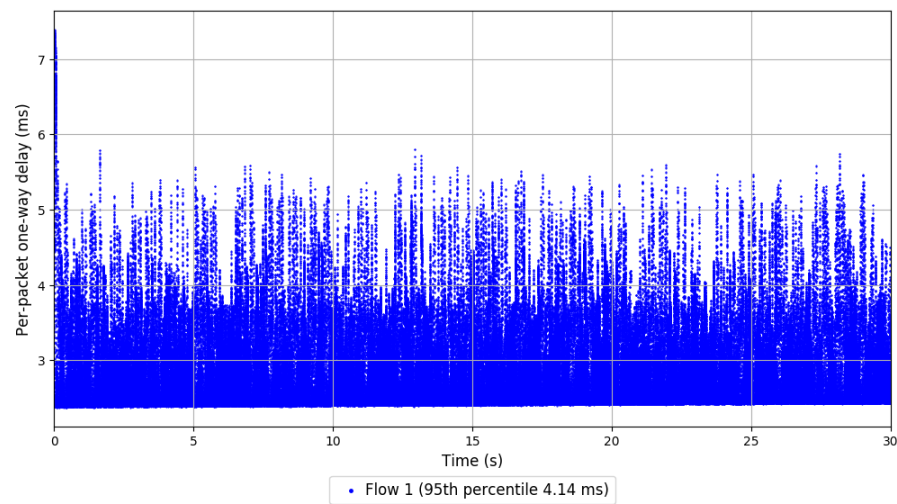
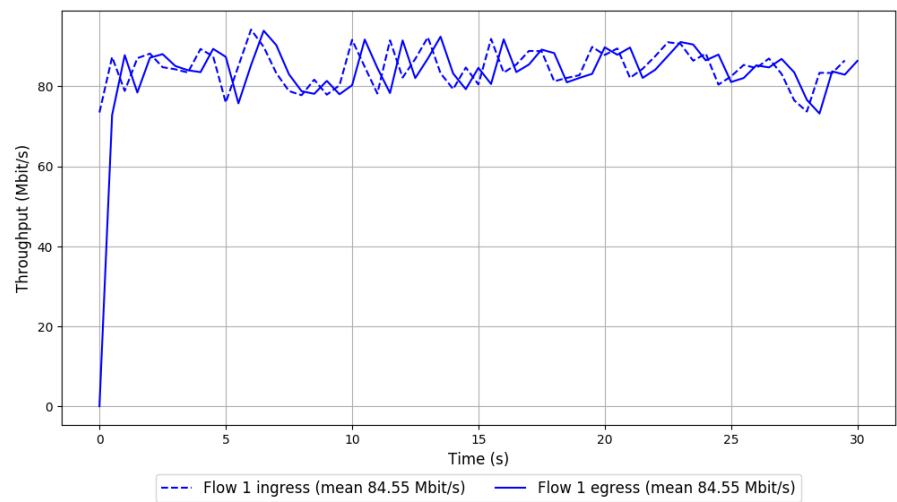
-- Flow 1:

Average throughput: 84.55 Mbit/s

95th percentile per-packet one-way delay: 4.144 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-09 19:50:36

End at: 2018-08-09 19:51:06

Local clock offset: -2.499 ms

Remote clock offset: 2.027 ms

Below is generated by plot.py at 2018-08-09 20:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 4.210 ms

Loss rate: 0.02%

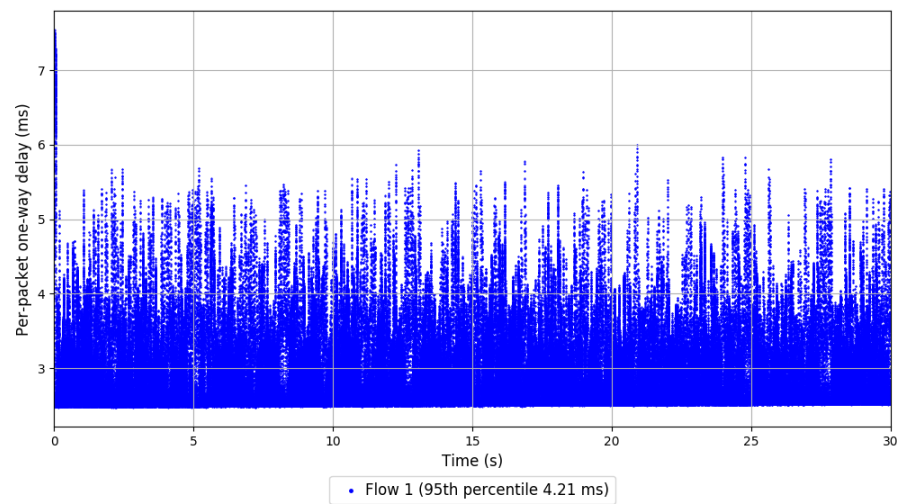
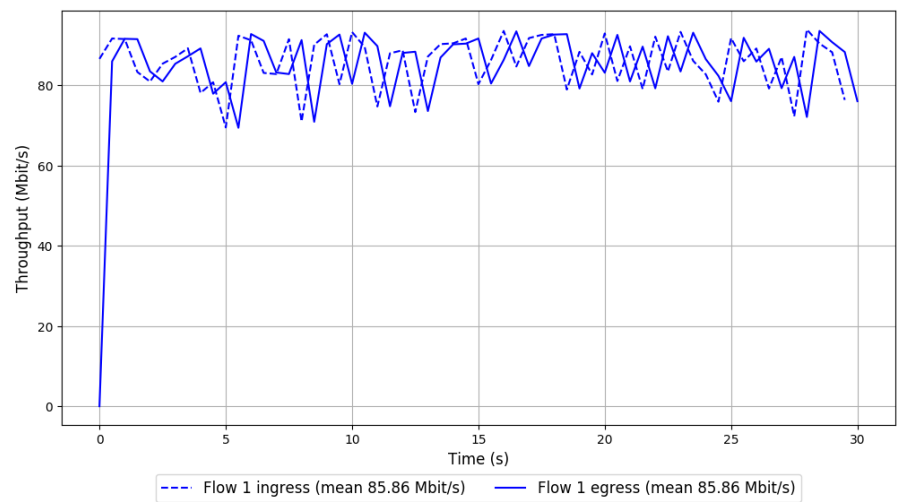
-- Flow 1:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 4.210 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link

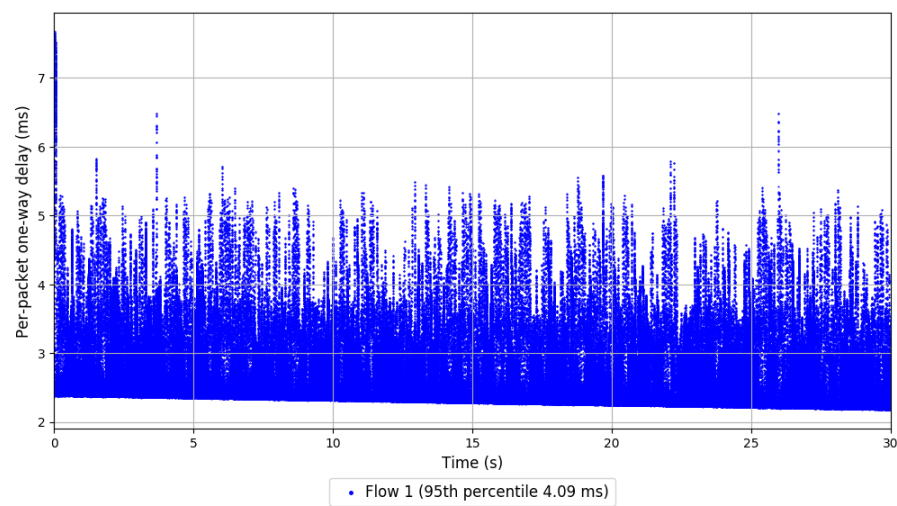
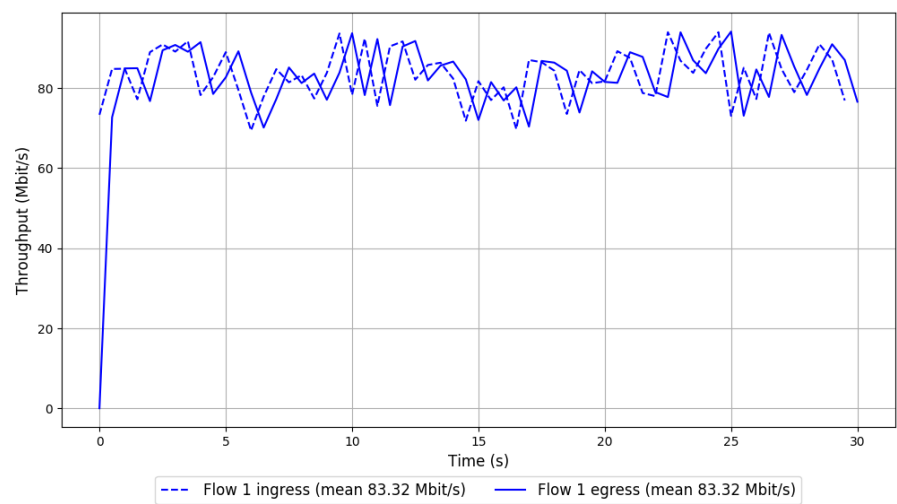


Run 9: Statistics of Copa

Start at: 2018-08-09 20:09:39
End at: 2018-08-09 20:10:09
Local clock offset: -2.008 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-09 20:38:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 4.086 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 4.086 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link

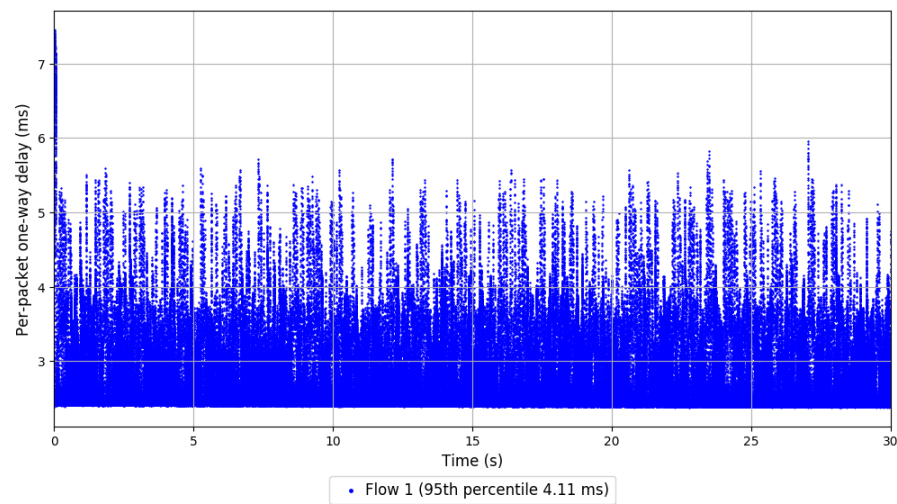
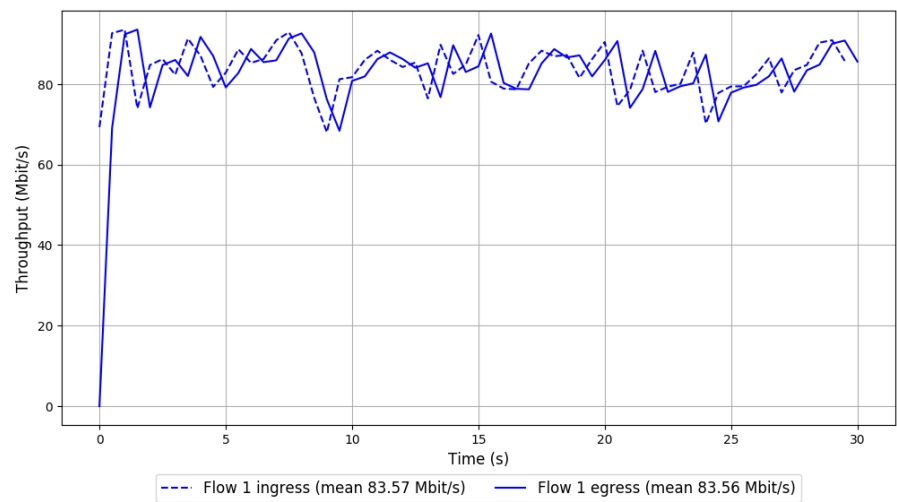


Run 10: Statistics of Copa

Start at: 2018-08-09 20:28:42
End at: 2018-08-09 20:29:12
Local clock offset: -2.338 ms
Remote clock offset: -3.407 ms

Below is generated by plot.py at 2018-08-09 20:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 4.108 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 4.108 ms
Loss rate: 0.02%

Run 10: Report of Copa — Data Link

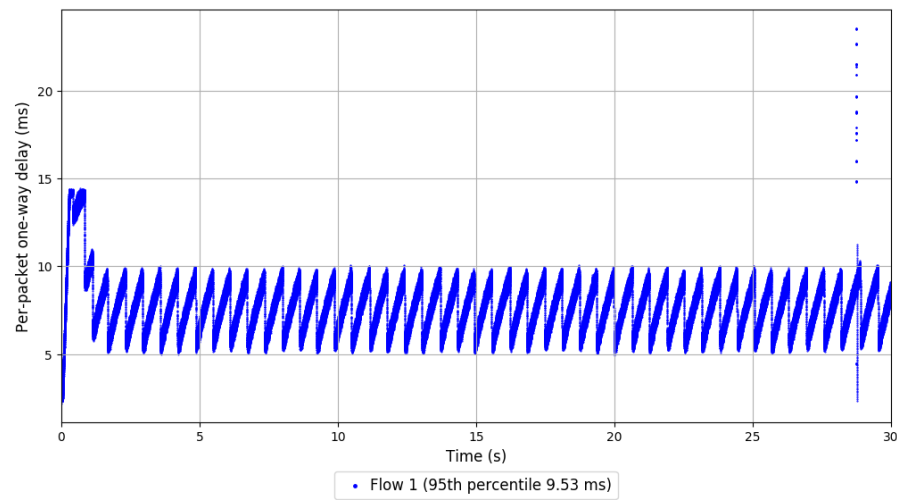
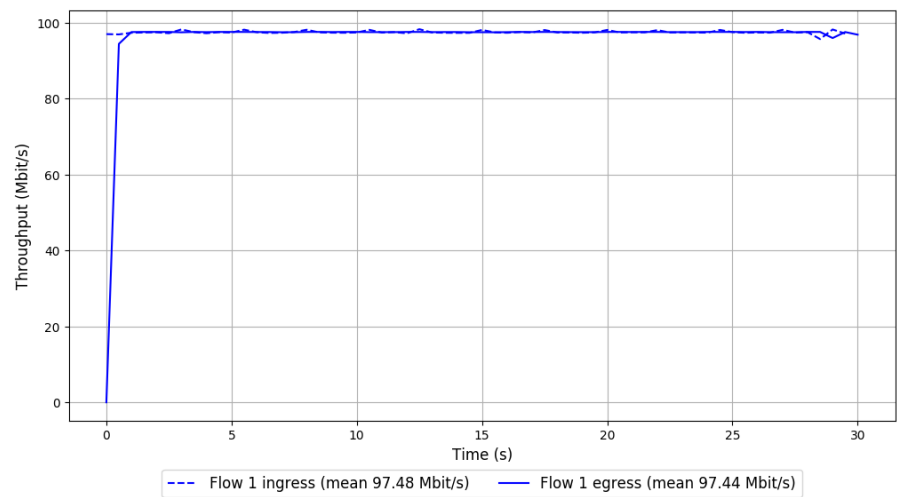


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 17:36:11
End at: 2018-08-09 17:36:41
Local clock offset: -7.515 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-08-09 20:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.531 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.531 ms
Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

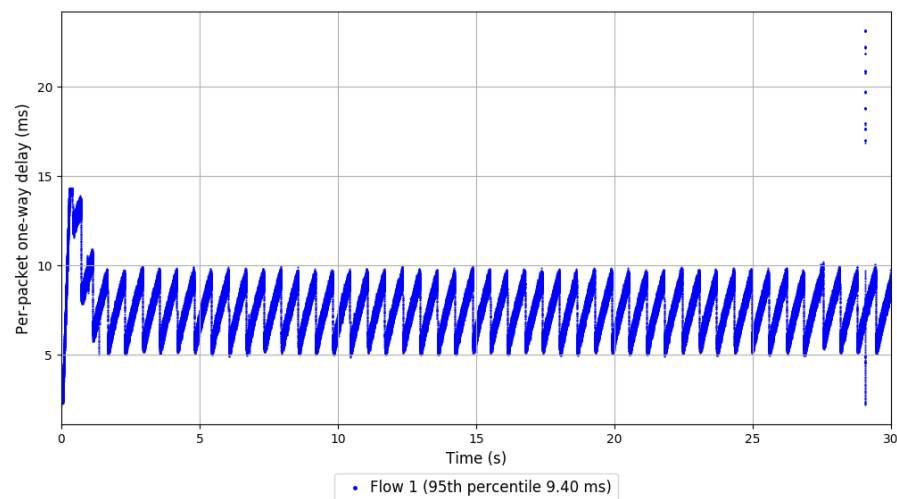
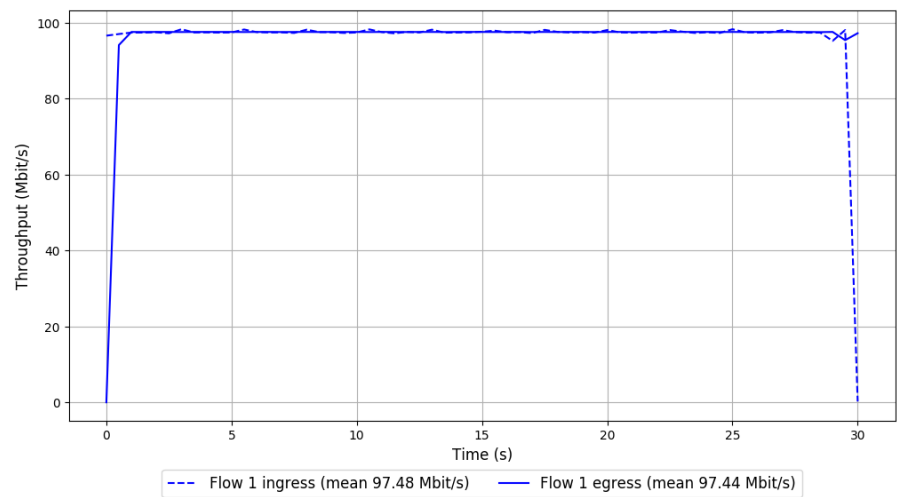


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 17:55:13
End at: 2018-08-09 17:55:43
Local clock offset: -6.967 ms
Remote clock offset: -8.037 ms

Below is generated by plot.py at 2018-08-09 20:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.401 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.401 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

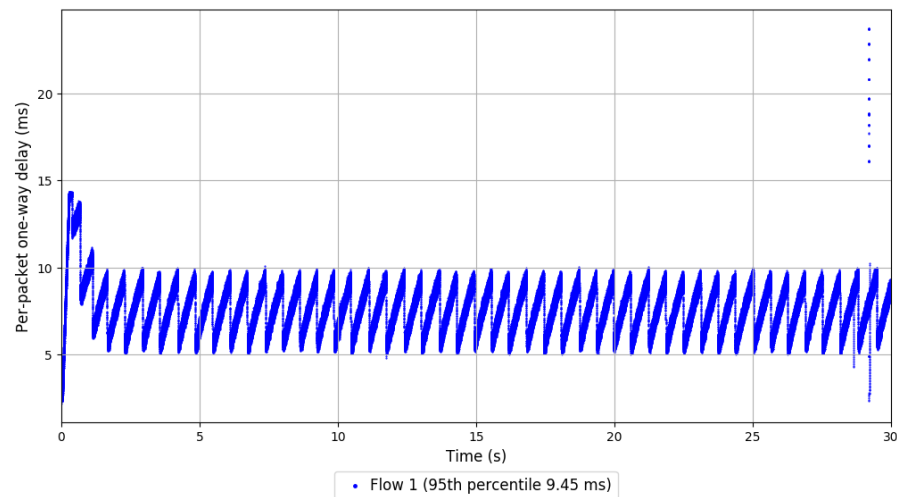
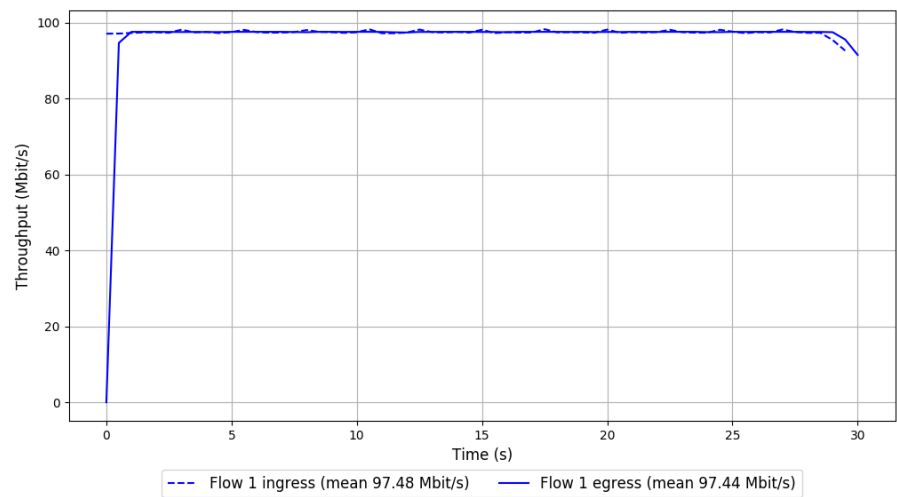


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 18:14:16
End at: 2018-08-09 18:14:46
Local clock offset: -6.489 ms
Remote clock offset: -9.164 ms

Below is generated by plot.py at 2018-08-09 20:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.454 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.454 ms
Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link

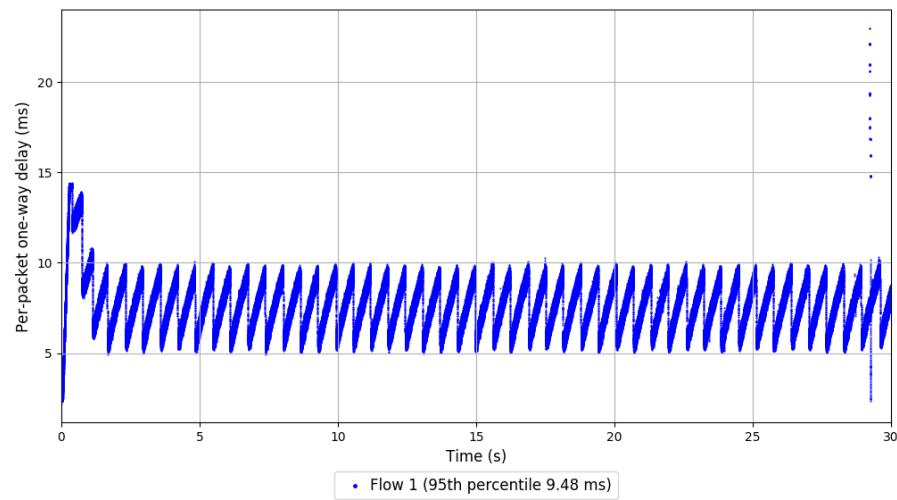
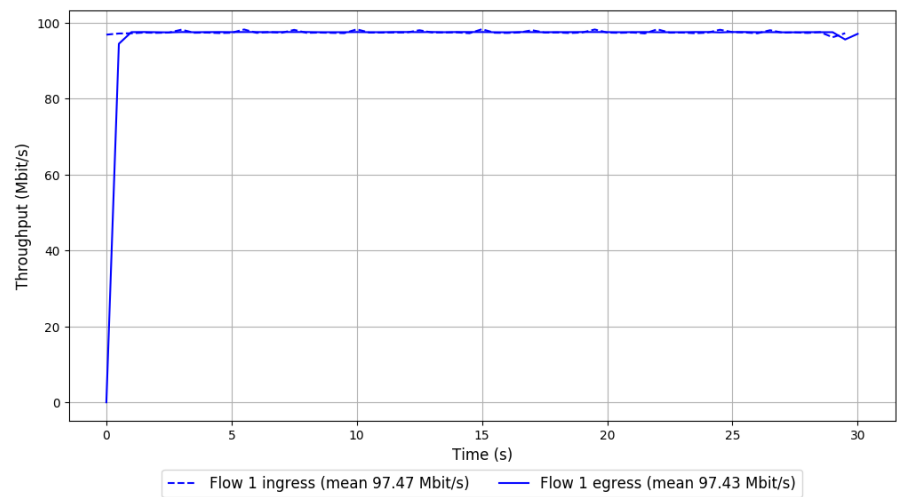


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 18:33:19
End at: 2018-08-09 18:33:49
Local clock offset: -7.41 ms
Remote clock offset: -9.692 ms

Below is generated by plot.py at 2018-08-09 20:38:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.483 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.483 ms
Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link

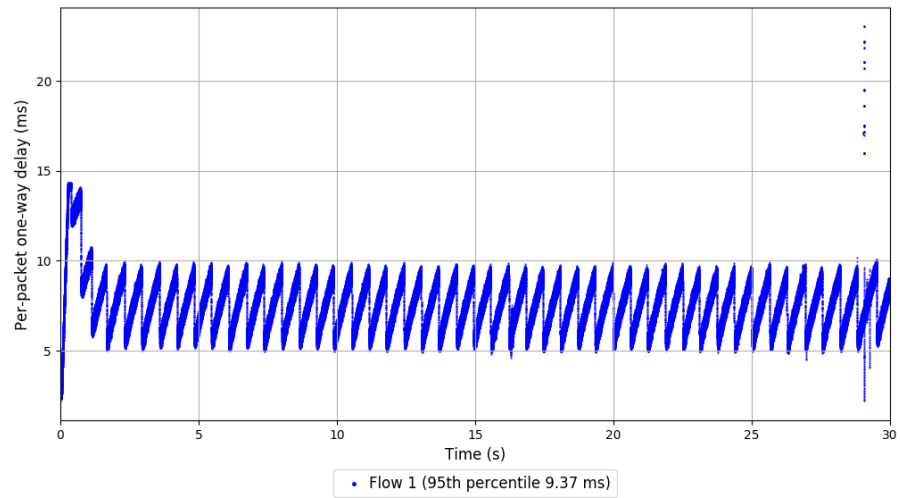
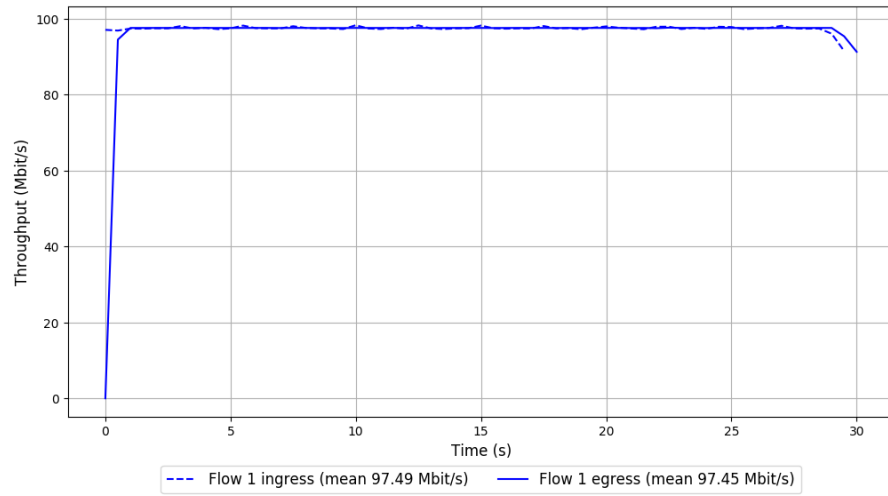


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 18:52:21
End at: 2018-08-09 18:52:51
Local clock offset: -4.741 ms
Remote clock offset: -10.023 ms

Below is generated by plot.py at 2018-08-09 20:38:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 9.367 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 9.367 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

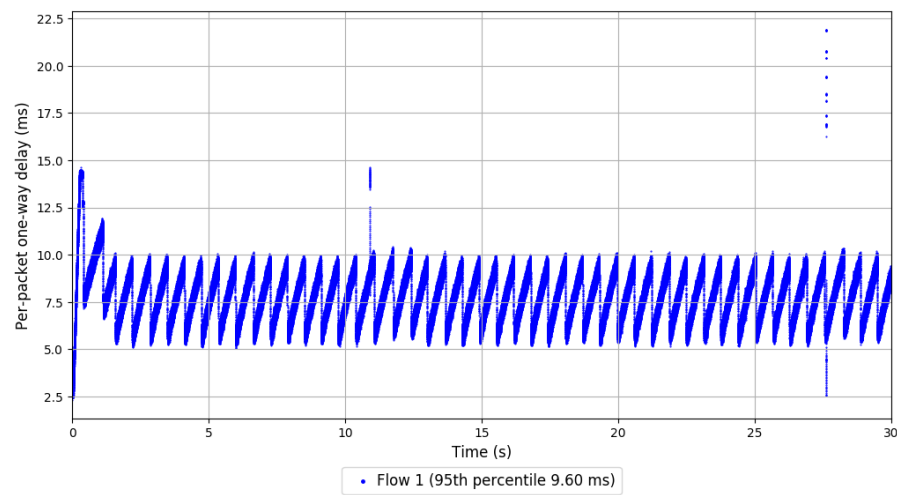
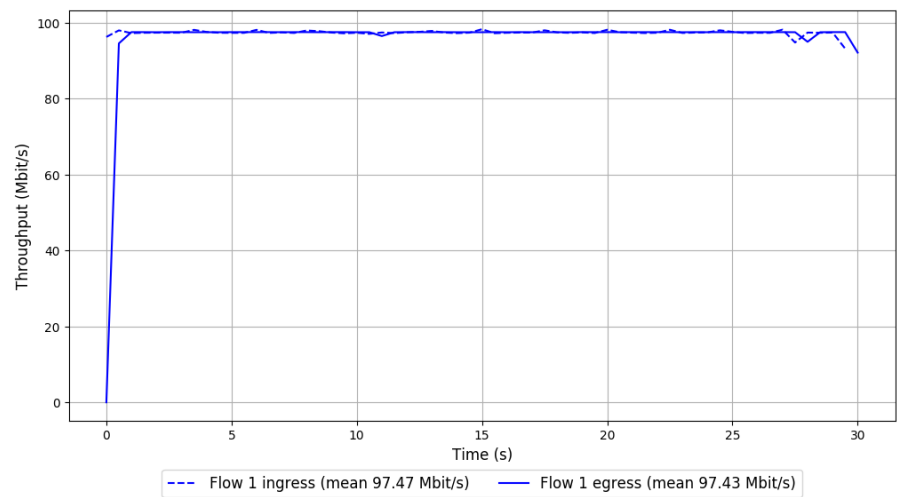


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 19:11:24
End at: 2018-08-09 19:11:54
Local clock offset: -2.081 ms
Remote clock offset: -2.862 ms

Below is generated by plot.py at 2018-08-09 20:38:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.595 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.595 ms
Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link

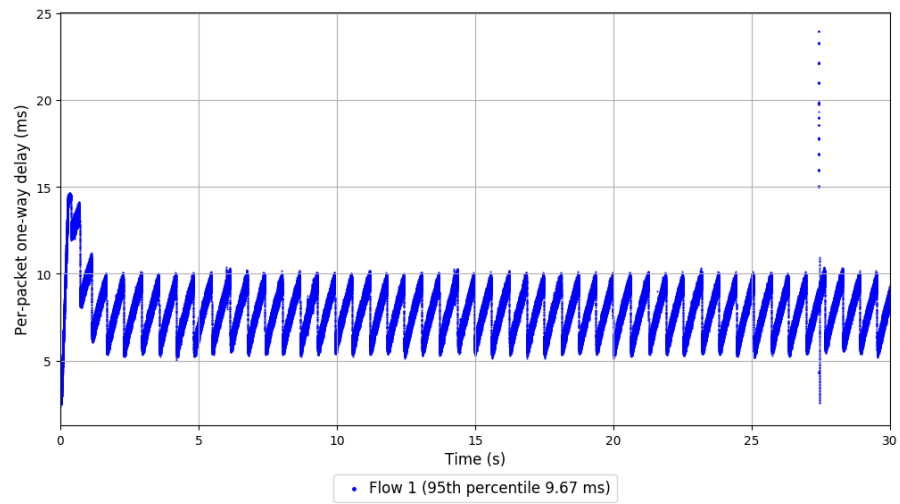
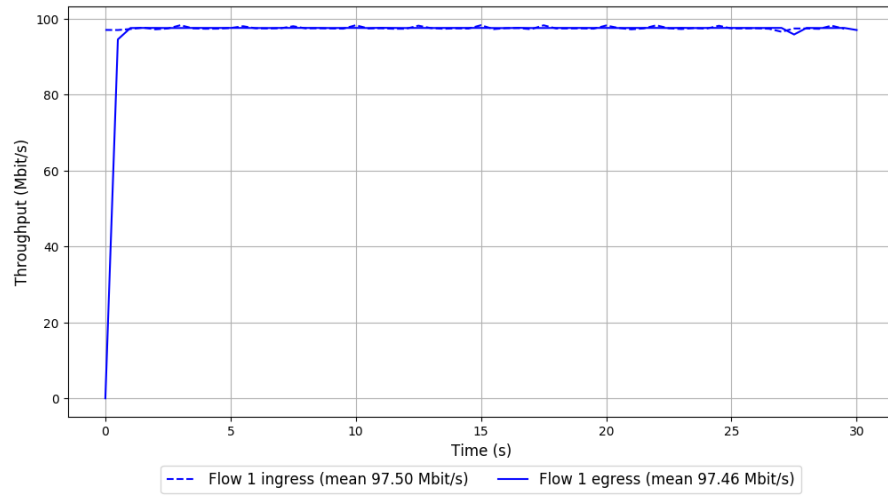


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 19:30:27
End at: 2018-08-09 19:30:57
Local clock offset: -2.804 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-09 20:39:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.673 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.673 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 19:49:29

End at: 2018-08-09 19:49:59

Local clock offset: -2.533 ms

Remote clock offset: 1.996 ms

Below is generated by plot.py at 2018-08-09 20:39:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 9.571 ms

Loss rate: 0.06%

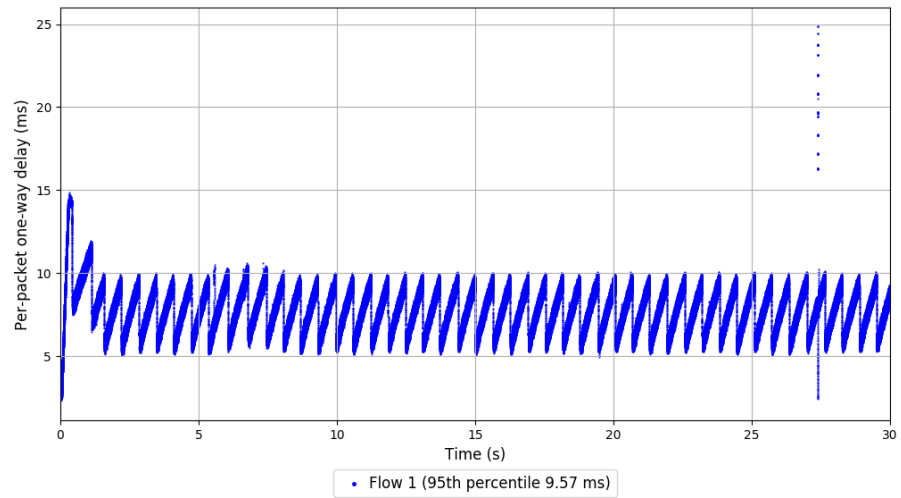
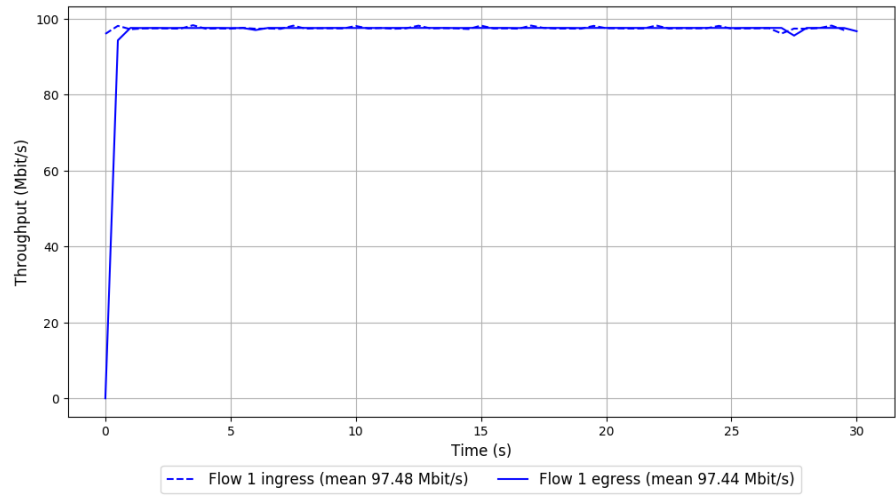
-- Flow 1:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 9.571 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 20:08:32

End at: 2018-08-09 20:09:02

Local clock offset: -1.962 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-08-09 20:39:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 9.387 ms

Loss rate: 0.05%

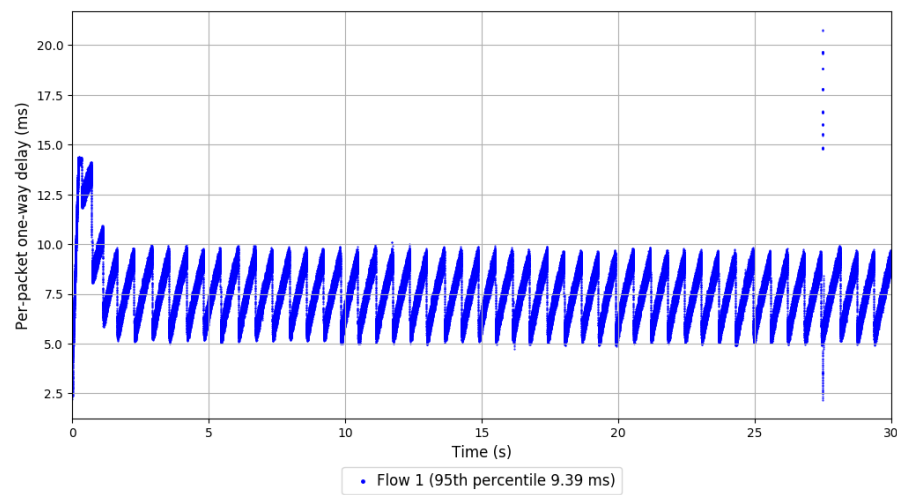
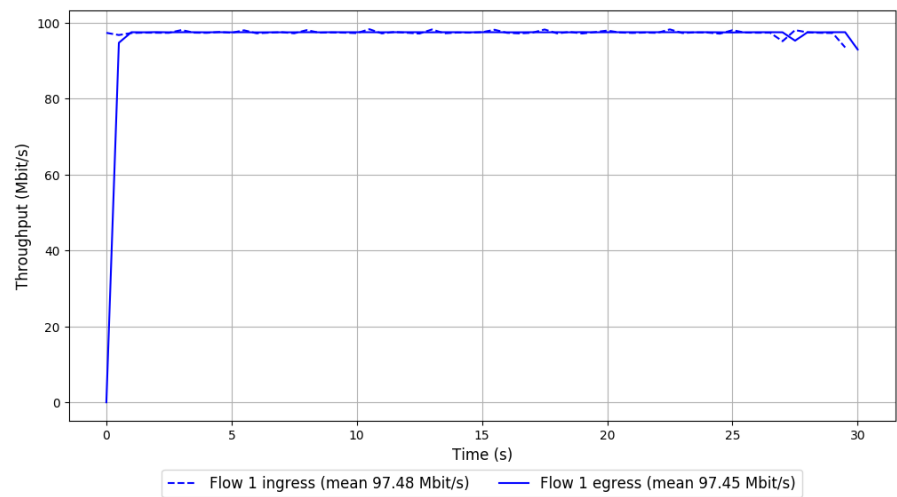
-- Flow 1:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 9.387 ms

Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 20:27:35

End at: 2018-08-09 20:28:05

Local clock offset: -2.391 ms

Remote clock offset: -3.389 ms

Below is generated by plot.py at 2018-08-09 20:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.477 ms

Loss rate: 0.06%

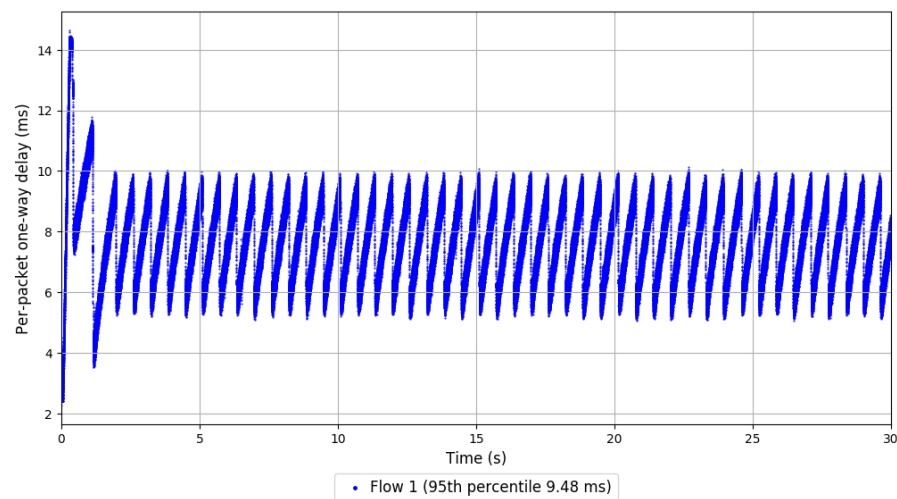
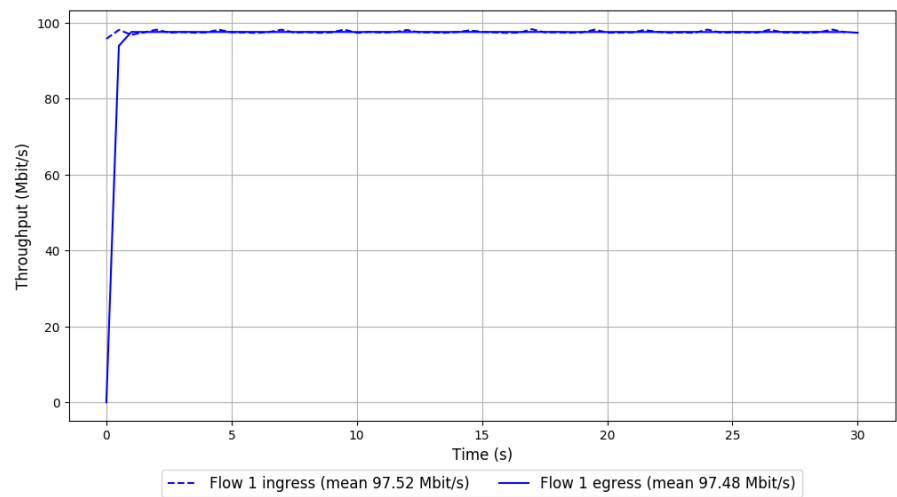
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.477 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

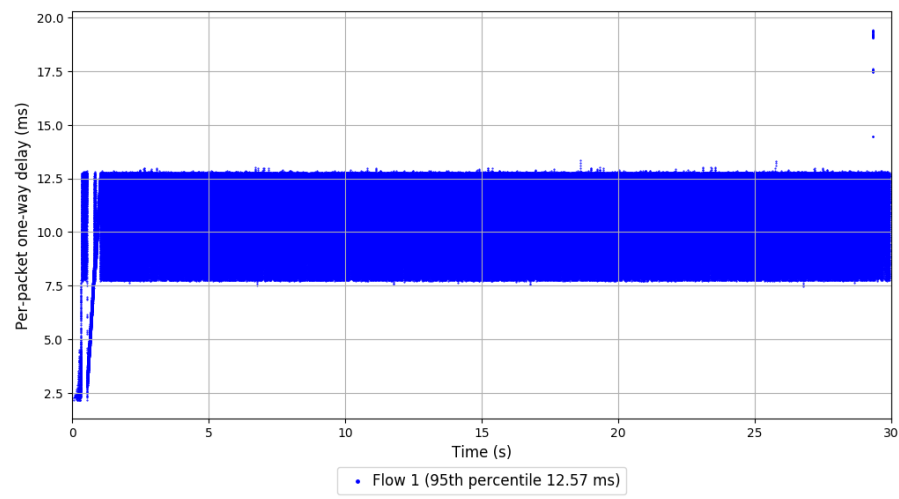
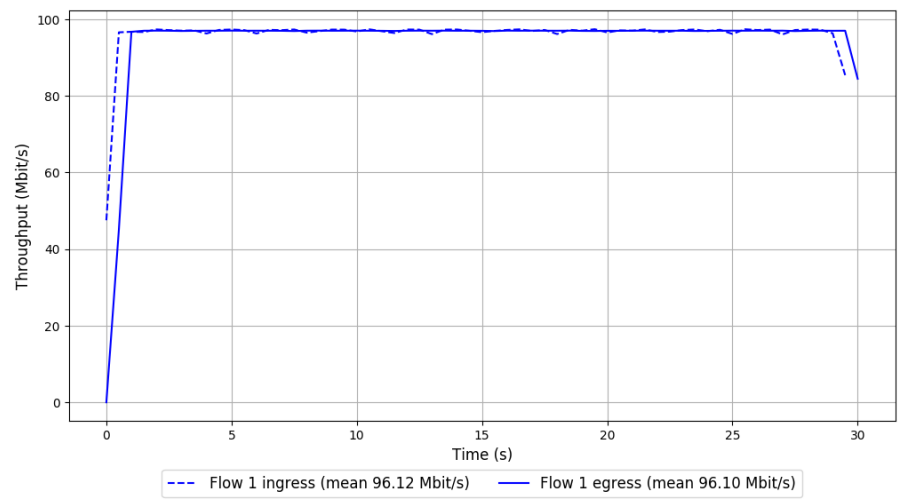


Run 1: Statistics of FillP

Start at: 2018-08-09 17:32:50
End at: 2018-08-09 17:33:20
Local clock offset: -7.589 ms
Remote clock offset: -6.569 ms

Below is generated by plot.py at 2018-08-09 20:39:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.572 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.572 ms
Loss rate: 0.05%

Run 1: Report of FillP — Data Link

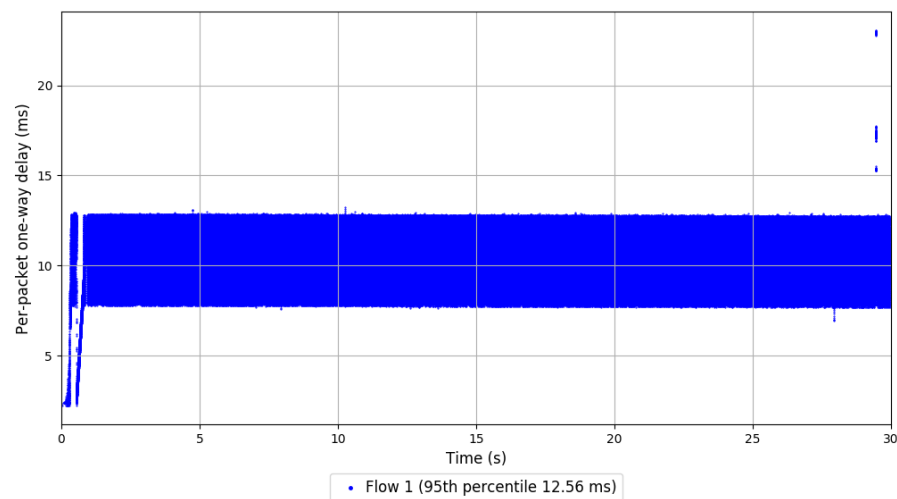
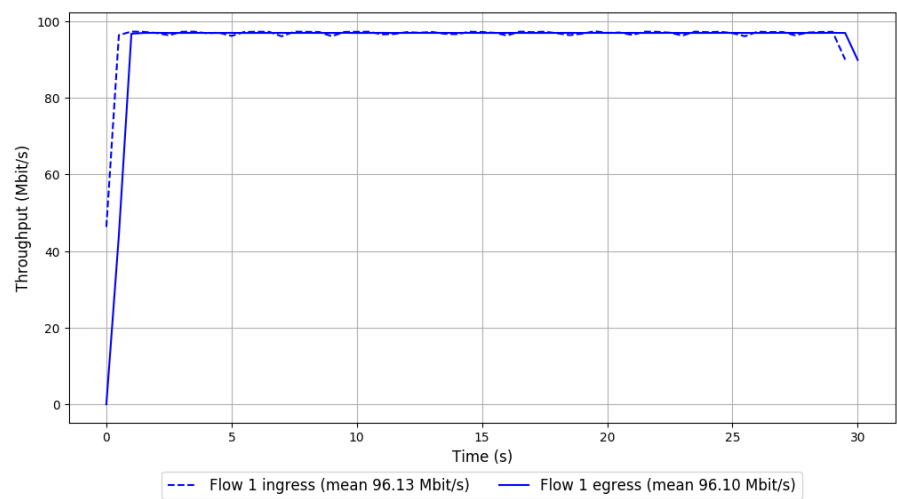


Run 2: Statistics of FillP

Start at: 2018-08-09 17:51:53
End at: 2018-08-09 17:52:23
Local clock offset: -7.093 ms
Remote clock offset: -7.563 ms

Below is generated by plot.py at 2018-08-09 20:39:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.565 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.565 ms
Loss rate: 0.04%

Run 2: Report of FillP — Data Link

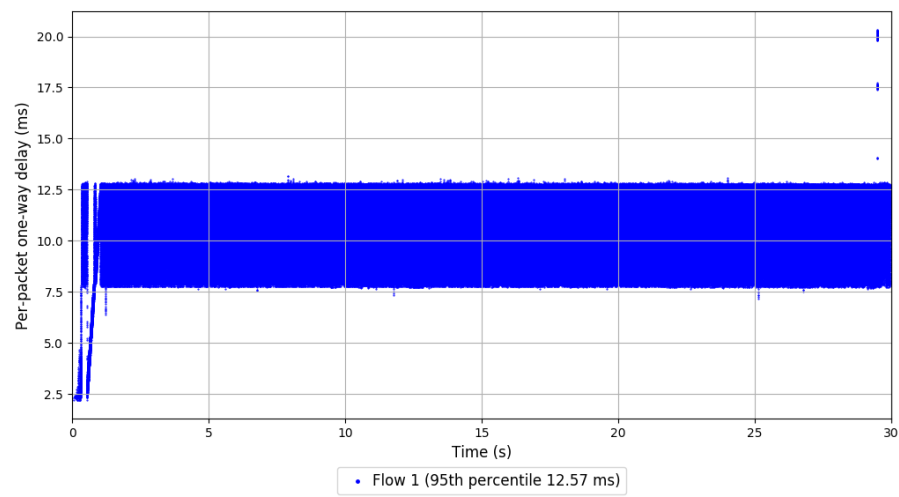
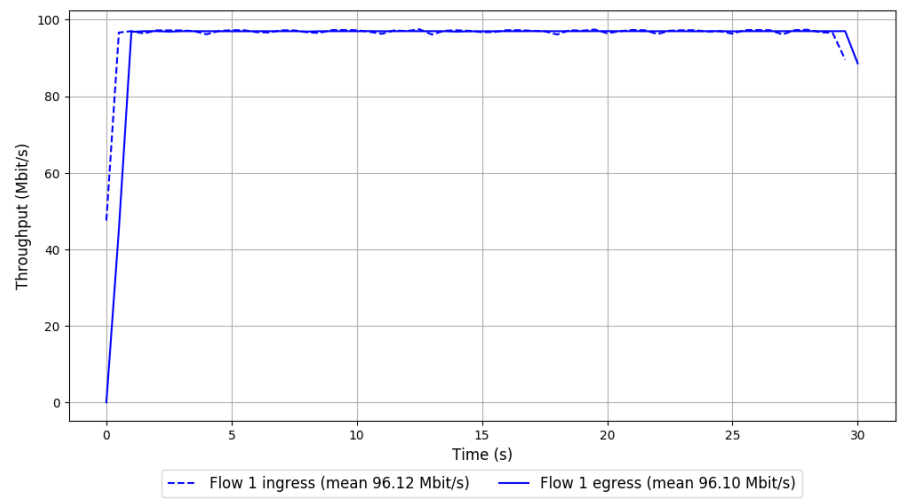


Run 3: Statistics of FillP

Start at: 2018-08-09 18:10:56
End at: 2018-08-09 18:11:26
Local clock offset: -6.545 ms
Remote clock offset: -9.034 ms

Below is generated by plot.py at 2018-08-09 20:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.574 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.574 ms
Loss rate: 0.05%

Run 3: Report of FillP — Data Link

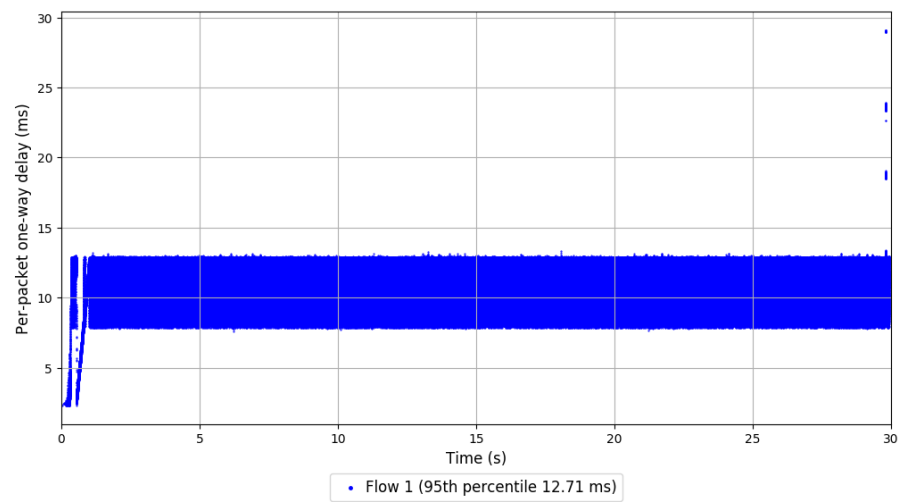
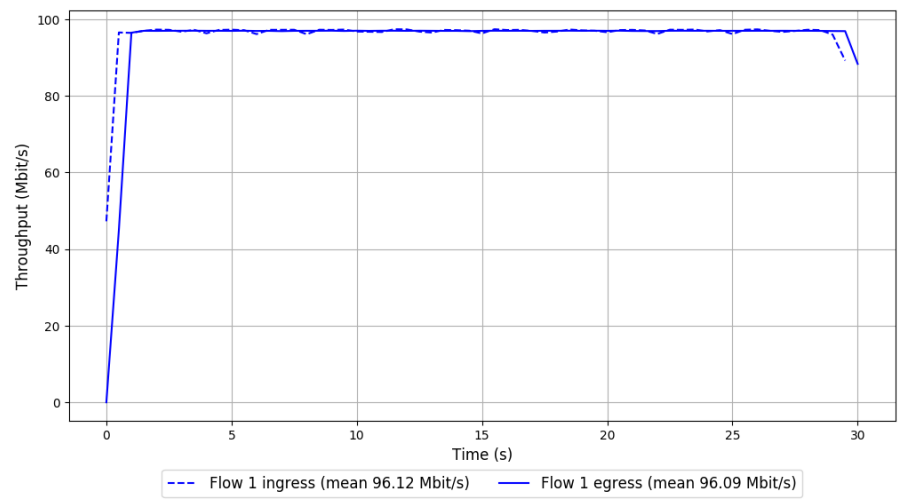


Run 4: Statistics of FillP

Start at: 2018-08-09 18:29:58
End at: 2018-08-09 18:30:28
Local clock offset: -7.273 ms
Remote clock offset: -9.628 ms

Below is generated by plot.py at 2018-08-09 20:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 12.706 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 12.706 ms
Loss rate: 0.04%

Run 4: Report of FillP — Data Link

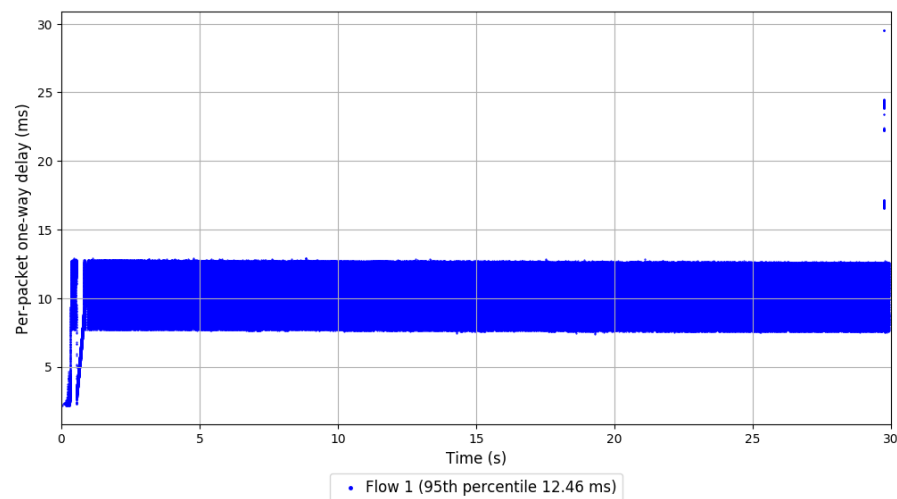
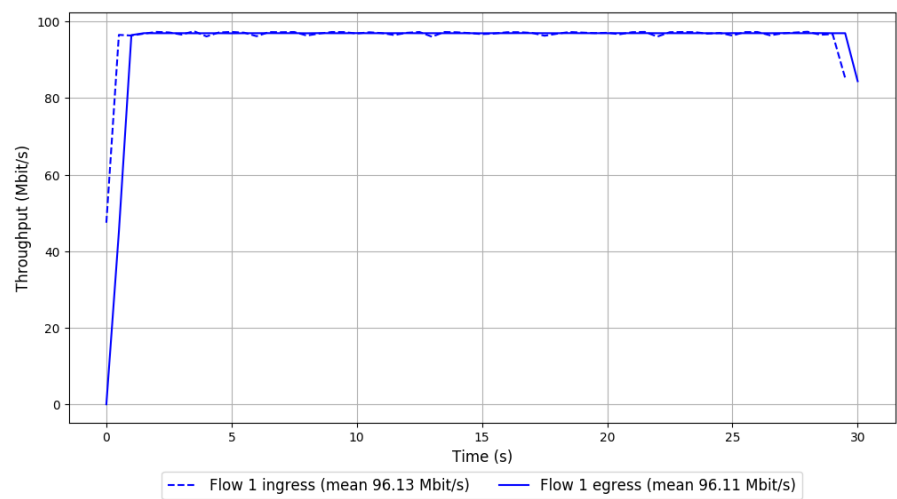


Run 5: Statistics of FillP

Start at: 2018-08-09 18:49:01
End at: 2018-08-09 18:49:31
Local clock offset: -5.805 ms
Remote clock offset: -9.965 ms

Below is generated by plot.py at 2018-08-09 20:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.465 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.465 ms
Loss rate: 0.04%

Run 5: Report of FillP — Data Link

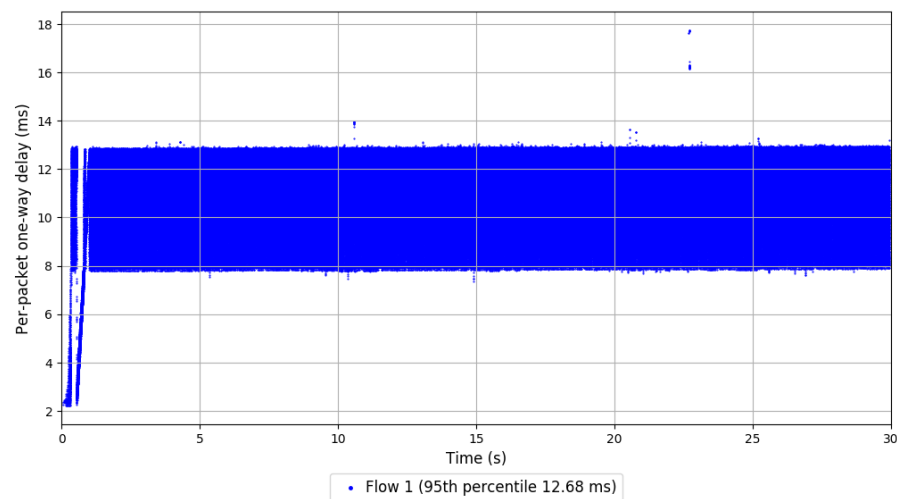
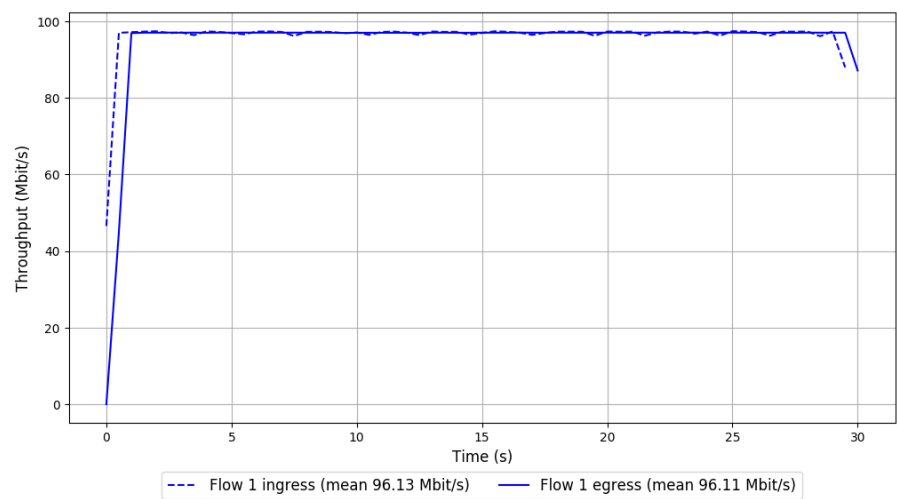


Run 6: Statistics of FillP

Start at: 2018-08-09 19:08:04
End at: 2018-08-09 19:08:34
Local clock offset: -2.35 ms
Remote clock offset: -3.653 ms

Below is generated by plot.py at 2018-08-09 20:40:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.677 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.677 ms
Loss rate: 0.05%

Run 6: Report of FillP — Data Link

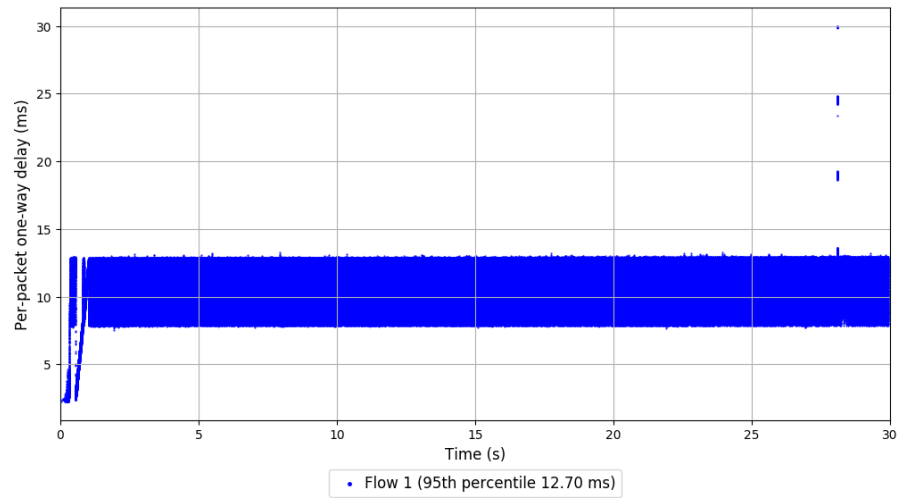
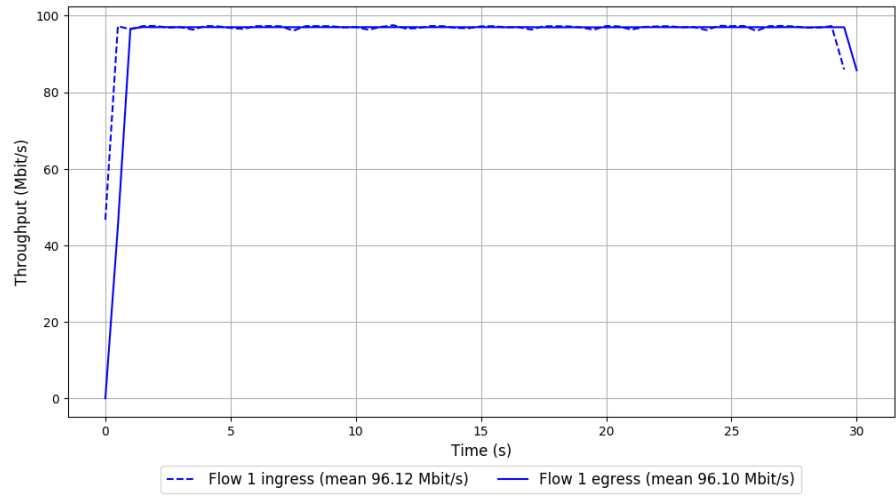


Run 7: Statistics of FillP

Start at: 2018-08-09 19:27:06
End at: 2018-08-09 19:27:36
Local clock offset: -2.867 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-08-09 20:40:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.702 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.702 ms
Loss rate: 0.05%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-09 19:46:09

End at: 2018-08-09 19:46:39

Local clock offset: -2.597 ms

Remote clock offset: 1.622 ms

Below is generated by plot.py at 2018-08-09 20:40:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 12.732 ms

Loss rate: 0.05%

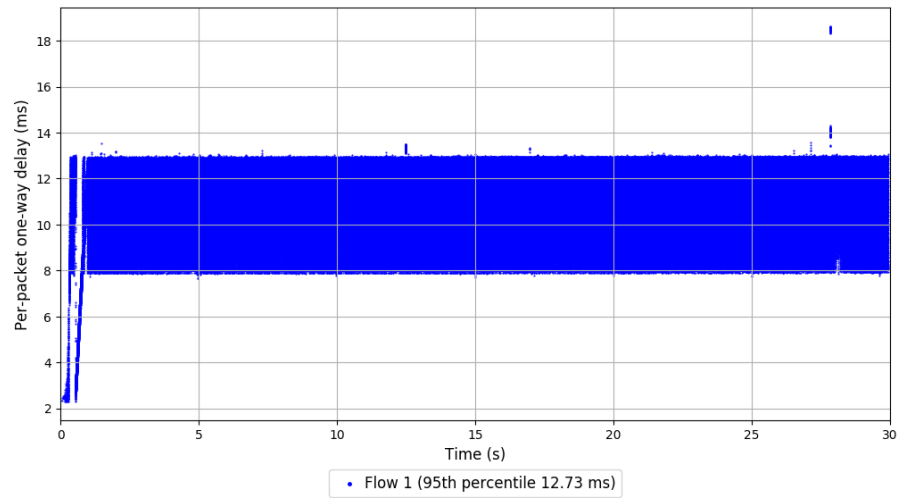
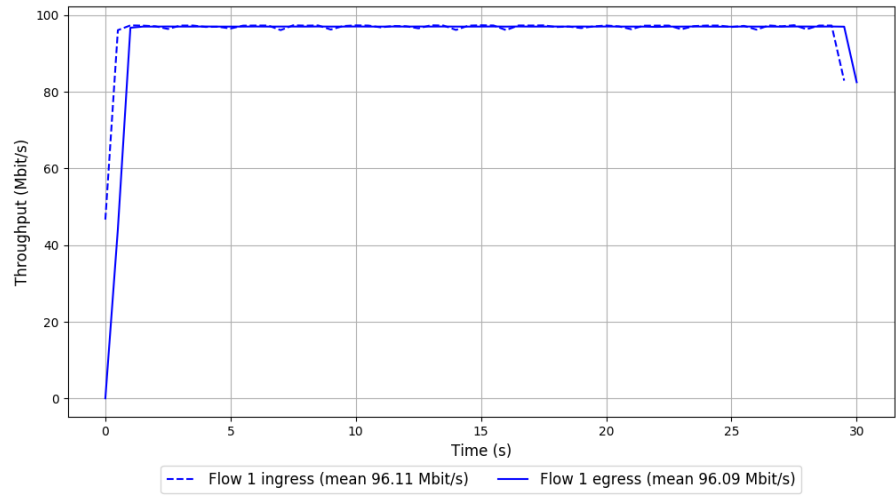
-- Flow 1:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 12.732 ms

Loss rate: 0.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-09 20:05:12

End at: 2018-08-09 20:05:42

Local clock offset: -2.073 ms

Remote clock offset: 2.082 ms

Below is generated by plot.py at 2018-08-09 20:41:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 12.499 ms

Loss rate: 0.05%

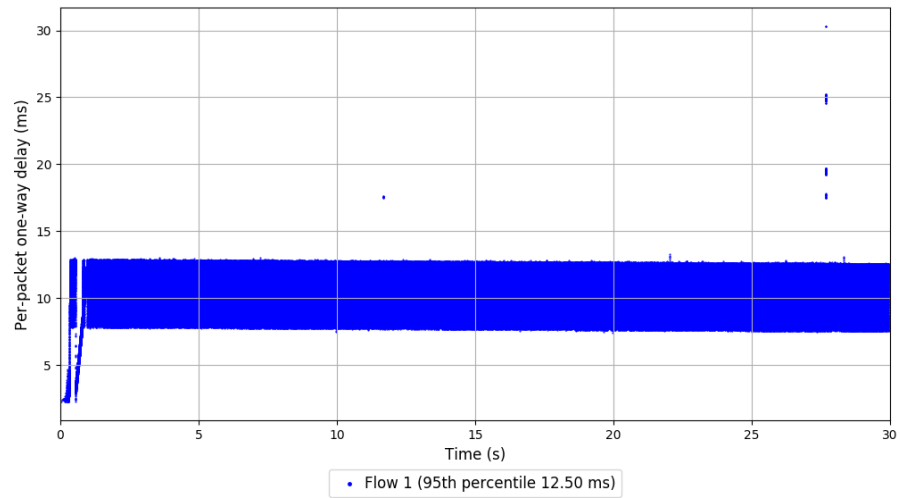
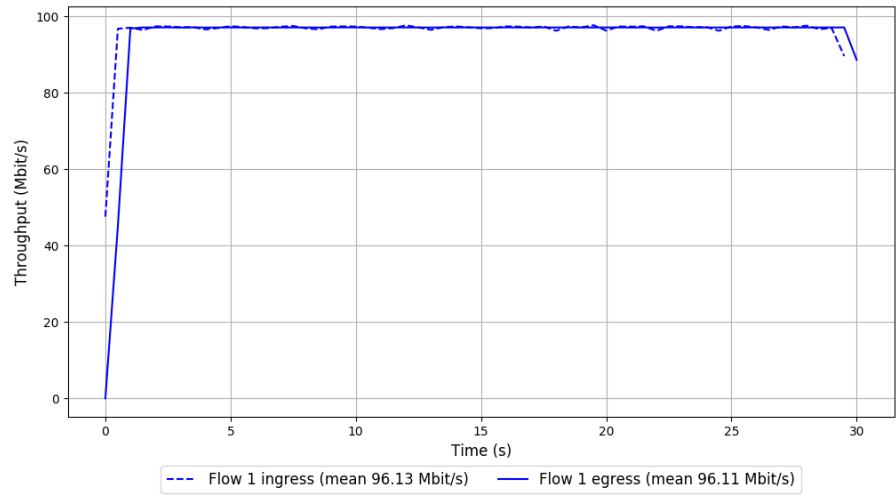
-- Flow 1:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 12.499 ms

Loss rate: 0.05%

Run 9: Report of FillP — Data Link

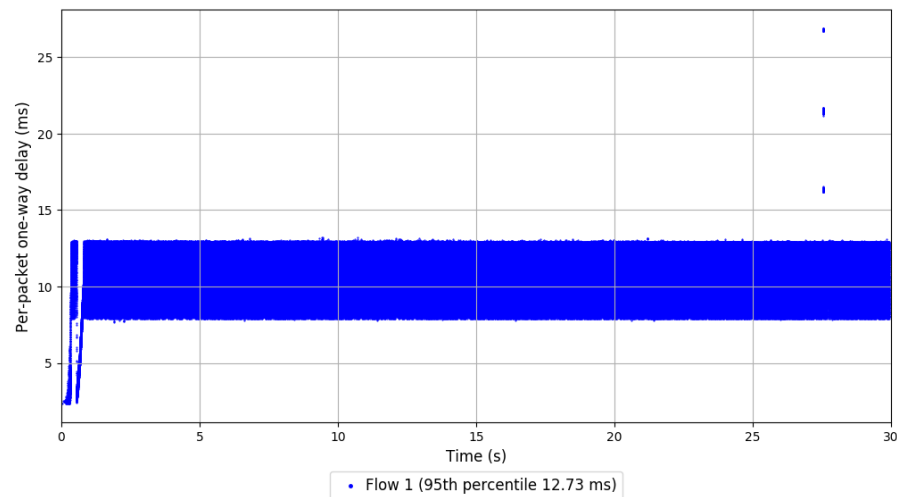
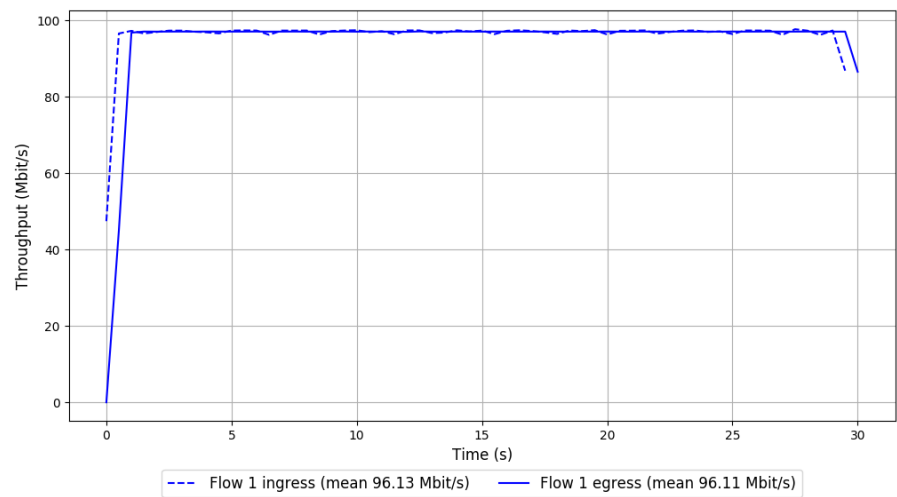


Run 10: Statistics of FillP

Start at: 2018-08-09 20:24:14
End at: 2018-08-09 20:24:44
Local clock offset: -2.253 ms
Remote clock offset: -3.096 ms

Below is generated by plot.py at 2018-08-09 20:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.734 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.734 ms
Loss rate: 0.04%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 17:33:57

End at: 2018-08-09 17:34:27

Local clock offset: -7.56 ms

Remote clock offset: -6.703 ms

Below is generated by plot.py at 2018-08-09 20:41:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 12.703 ms

Loss rate: 0.05%

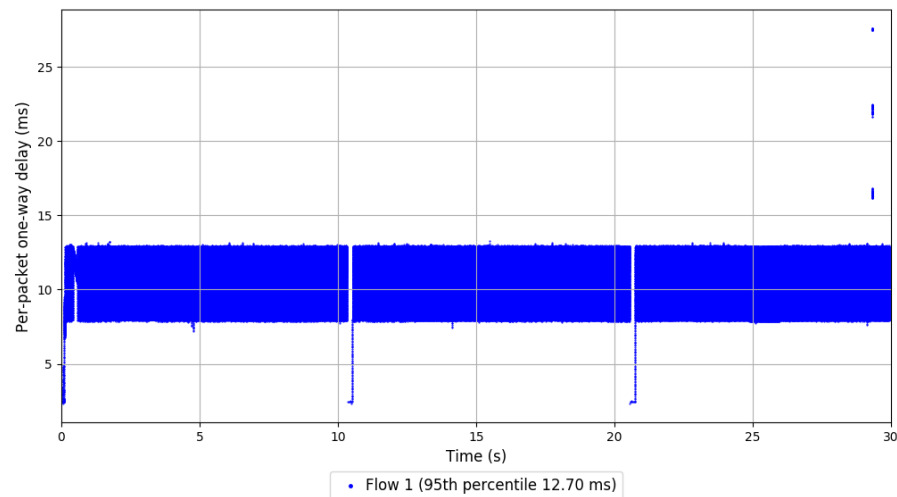
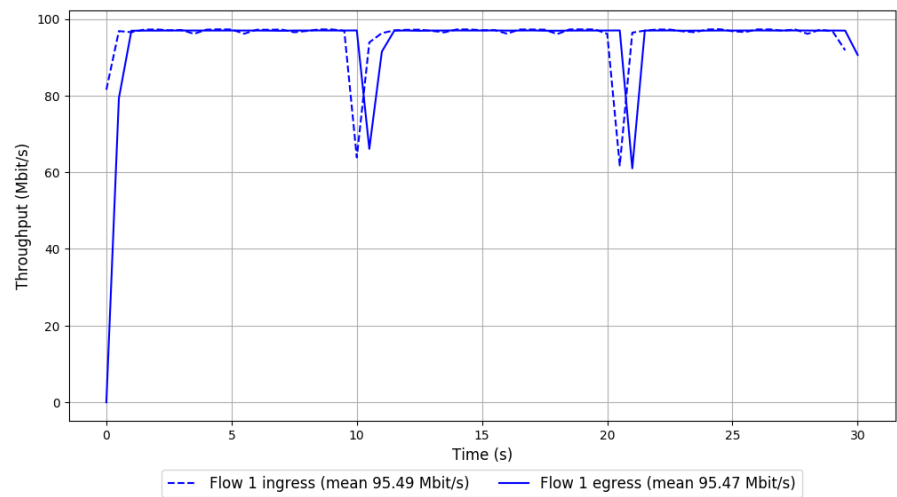
-- Flow 1:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 12.703 ms

Loss rate: 0.05%

Run 1: Report of FillP-Sheep — Data Link

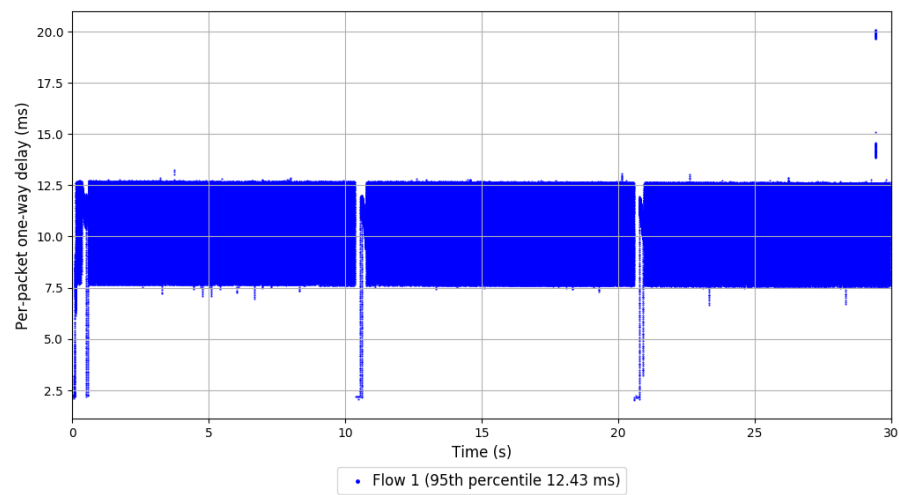
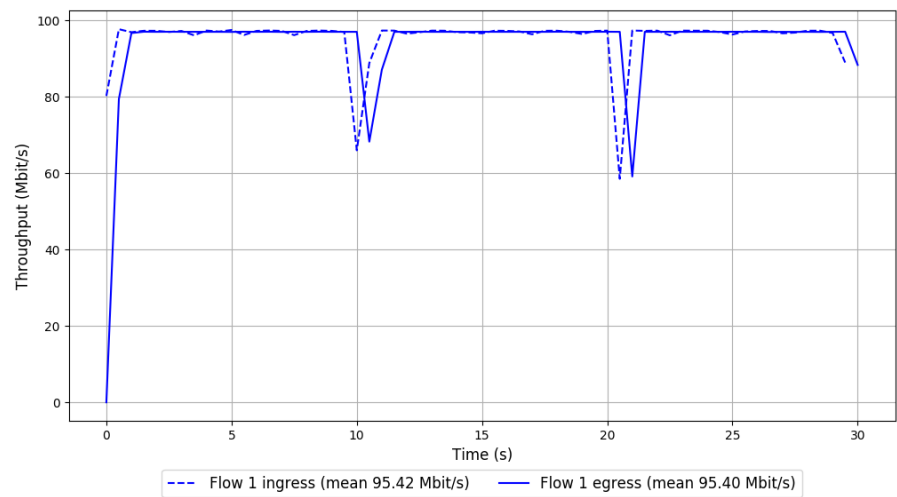


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 17:52:59
End at: 2018-08-09 17:53:29
Local clock offset: -7.117 ms
Remote clock offset: -7.685 ms

Below is generated by plot.py at 2018-08-09 20:41:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 12.427 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 12.427 ms
Loss rate: 0.05%

Run 2: Report of FillP-Sheep — Data Link

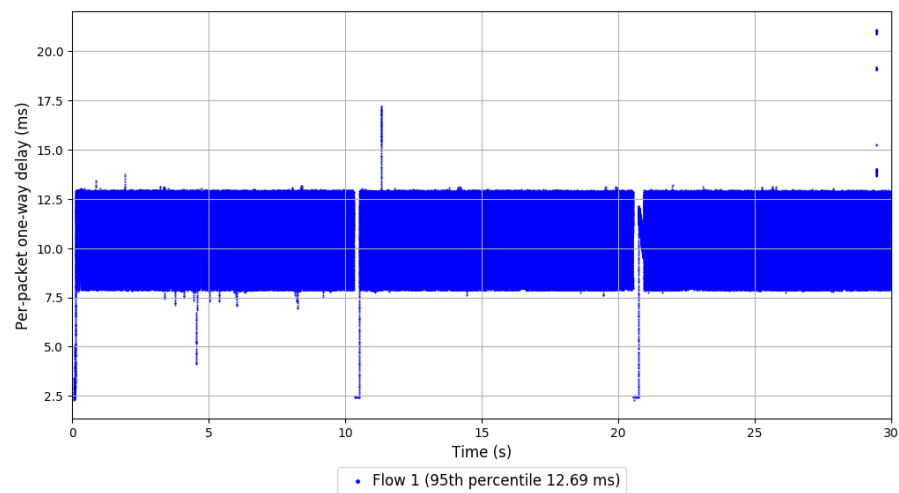
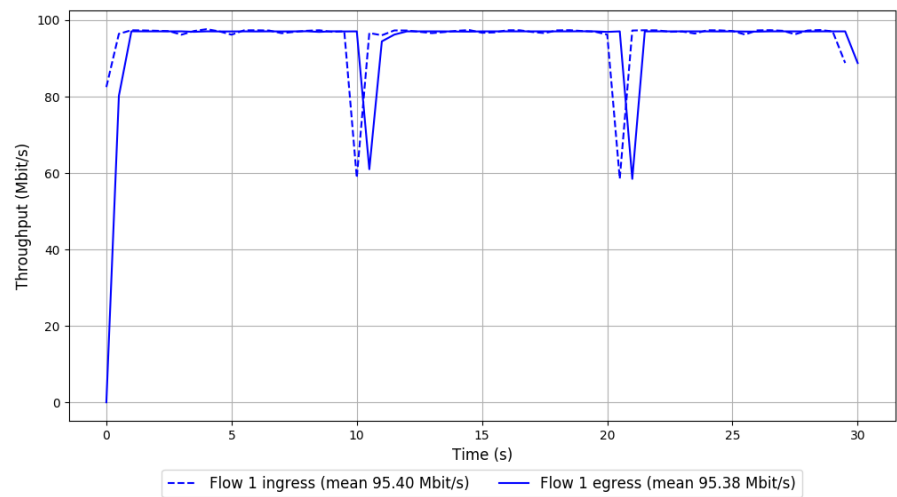


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 18:12:02
End at: 2018-08-09 18:12:32
Local clock offset: -6.578 ms
Remote clock offset: -9.249 ms

Below is generated by plot.py at 2018-08-09 20:41:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 12.691 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 12.691 ms
Loss rate: 0.04%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 18:31:05

End at: 2018-08-09 18:31:35

Local clock offset: -7.288 ms

Remote clock offset: -9.63 ms

Below is generated by plot.py at 2018-08-09 20:41:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 12.670 ms

Loss rate: 0.05%

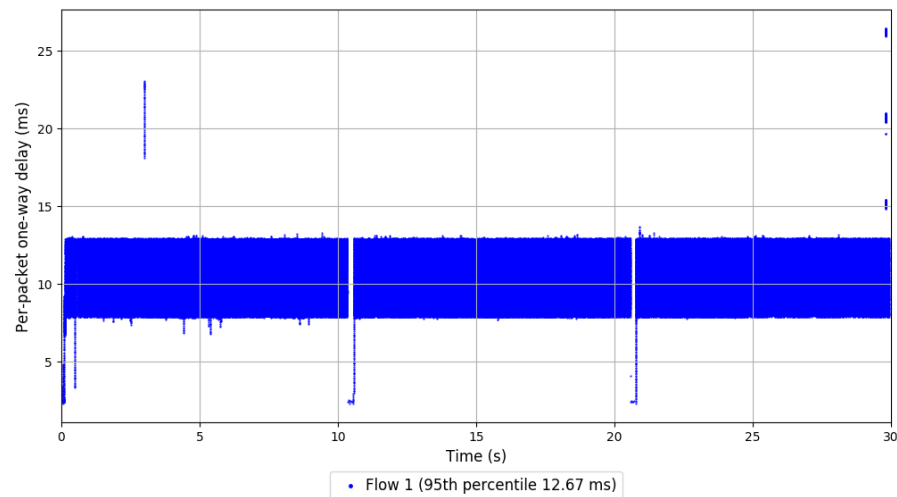
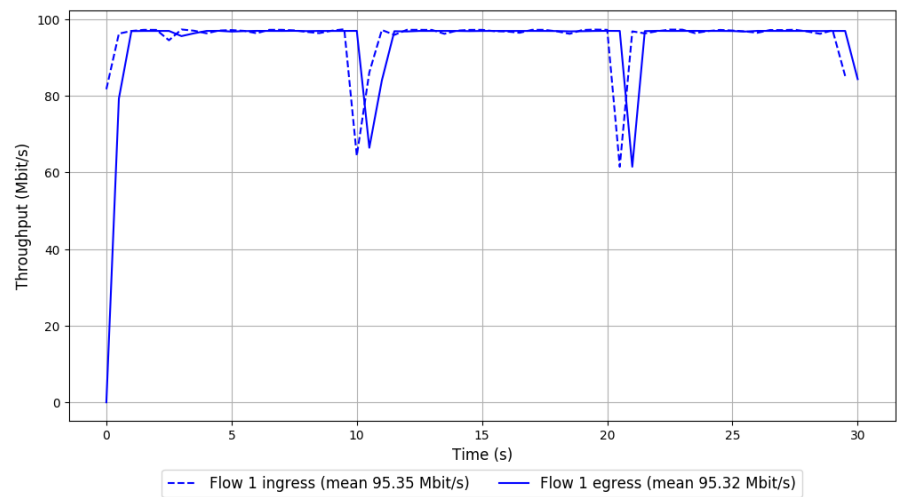
-- Flow 1:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 12.670 ms

Loss rate: 0.05%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 18:50:08

End at: 2018-08-09 18:50:38

Local clock offset: -5.527 ms

Remote clock offset: -9.99 ms

Below is generated by plot.py at 2018-08-09 20:41:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 12.371 ms

Loss rate: 0.05%

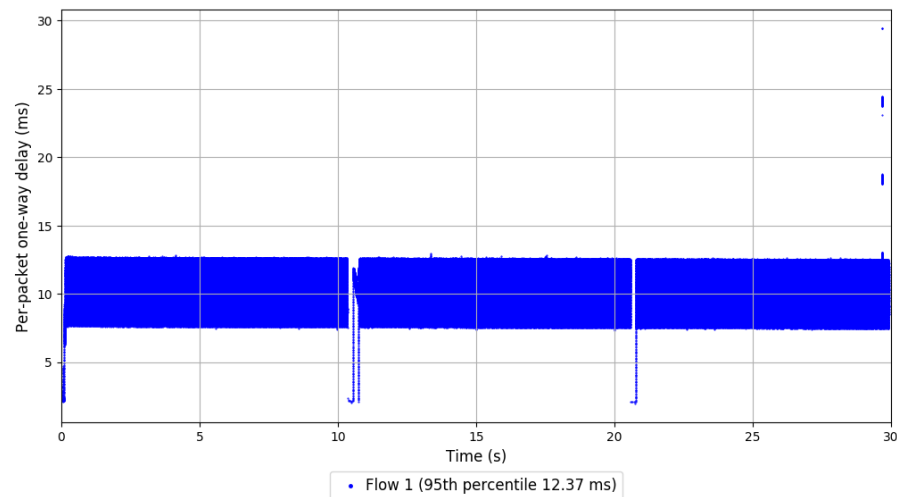
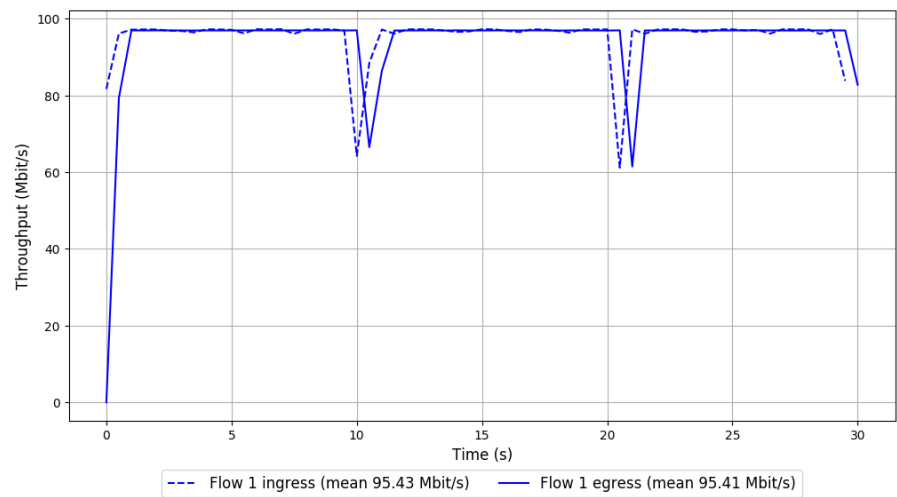
-- Flow 1:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 12.371 ms

Loss rate: 0.05%

Run 5: Report of FillP-Sheep — Data Link

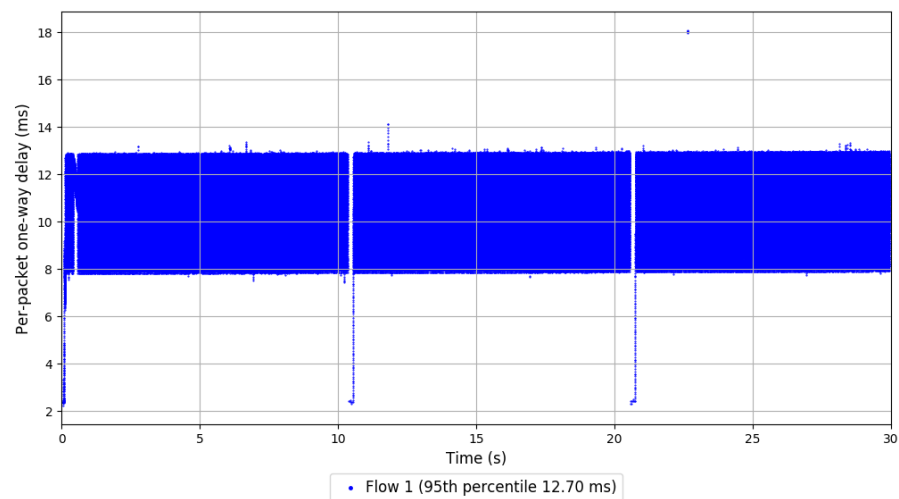
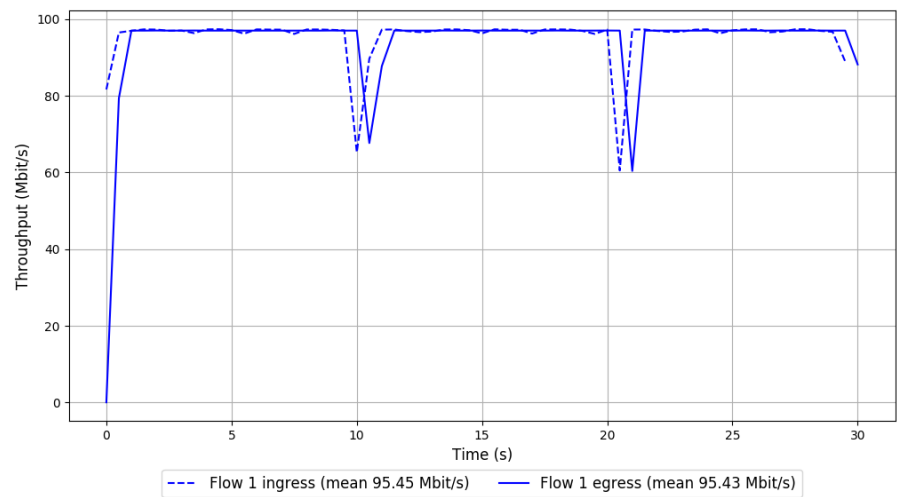


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 19:09:10
End at: 2018-08-09 19:09:40
Local clock offset: -2.218 ms
Remote clock offset: -3.344 ms

Below is generated by plot.py at 2018-08-09 20:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 12.697 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 12.697 ms
Loss rate: 0.05%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 19:28:13

End at: 2018-08-09 19:28:43

Local clock offset: -2.792 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-08-09 20:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 12.787 ms

Loss rate: 0.04%

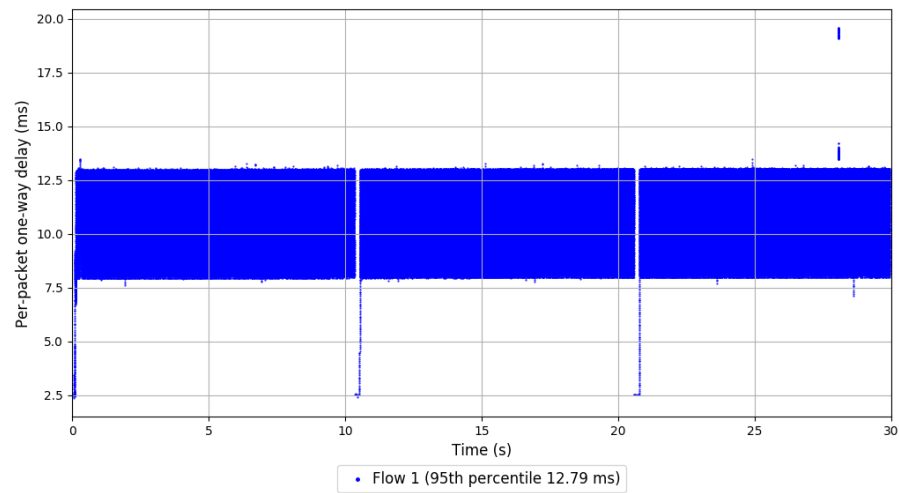
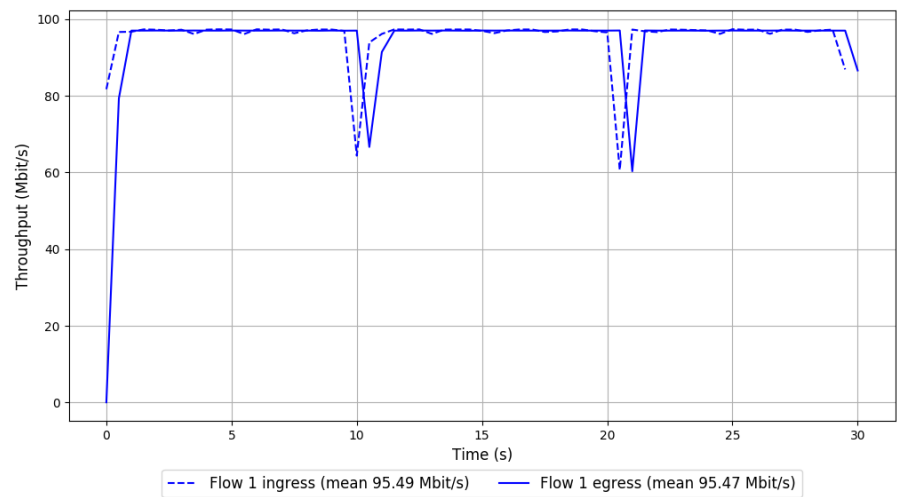
-- Flow 1:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 12.787 ms

Loss rate: 0.04%

Run 7: Report of FillP-Sheep — Data Link

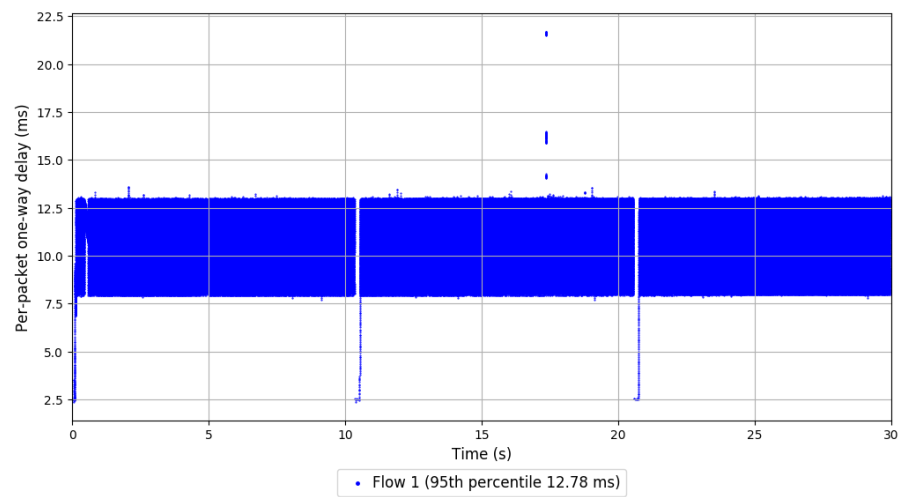
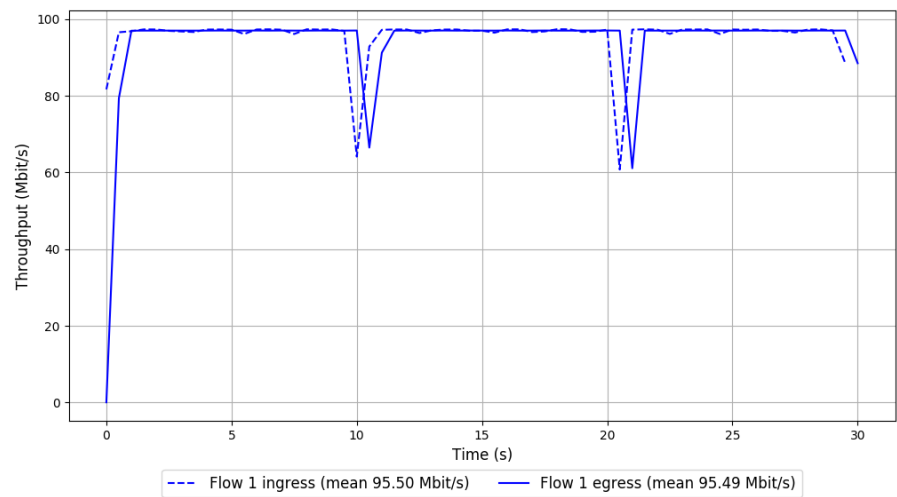


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 19:47:16
End at: 2018-08-09 19:47:46
Local clock offset: -2.562 ms
Remote clock offset: 1.714 ms

Below is generated by plot.py at 2018-08-09 20:42:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 12.781 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 12.781 ms
Loss rate: 0.04%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 20:06:18

End at: 2018-08-09 20:06:48

Local clock offset: -2.049 ms

Remote clock offset: 1.457 ms

Below is generated by plot.py at 2018-08-09 20:42:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 12.448 ms

Loss rate: 0.05%

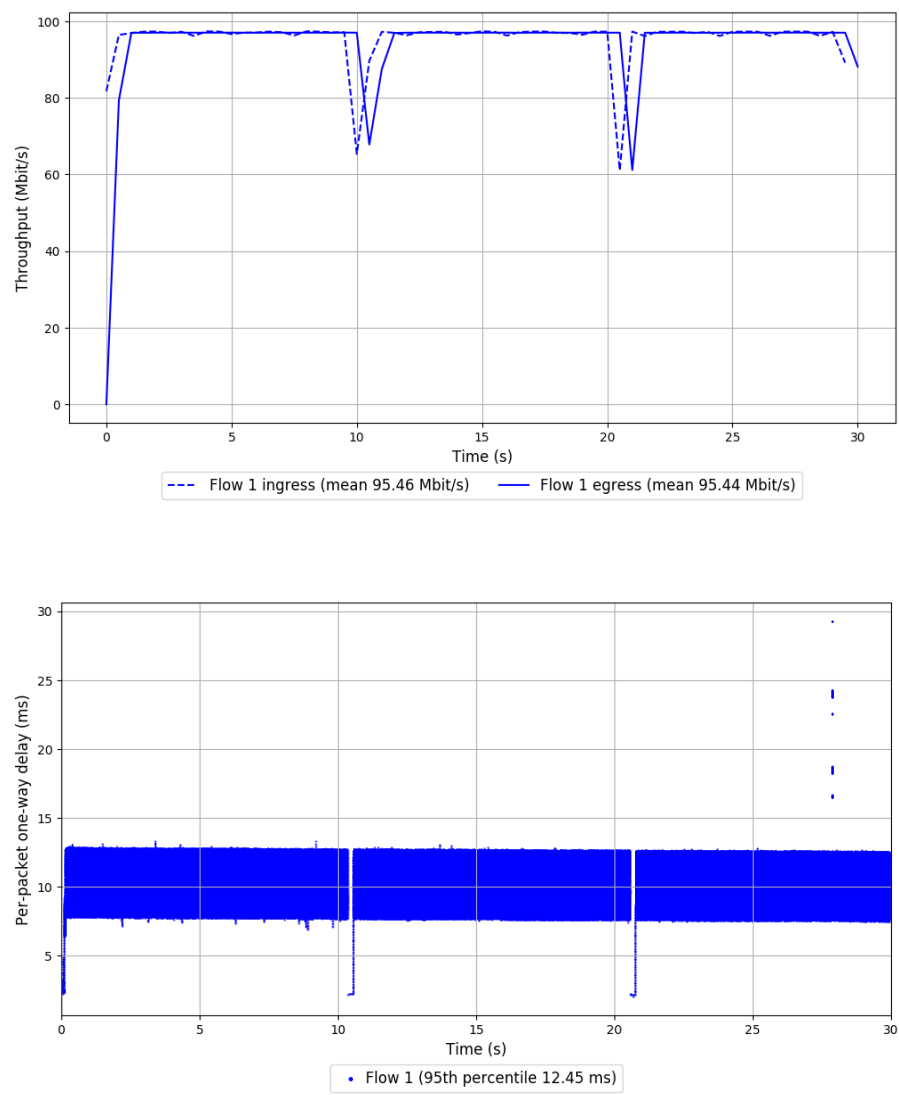
-- Flow 1:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 12.448 ms

Loss rate: 0.05%

Run 9: Report of FillP-Sheep — Data Link

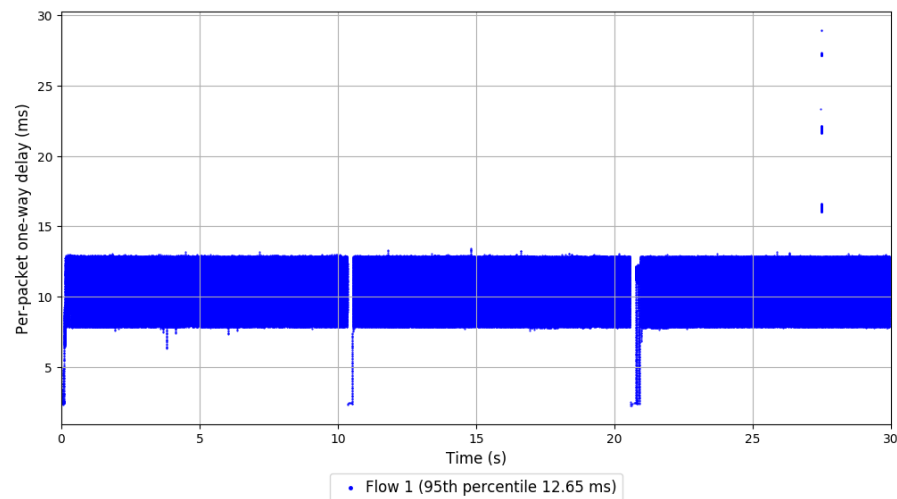
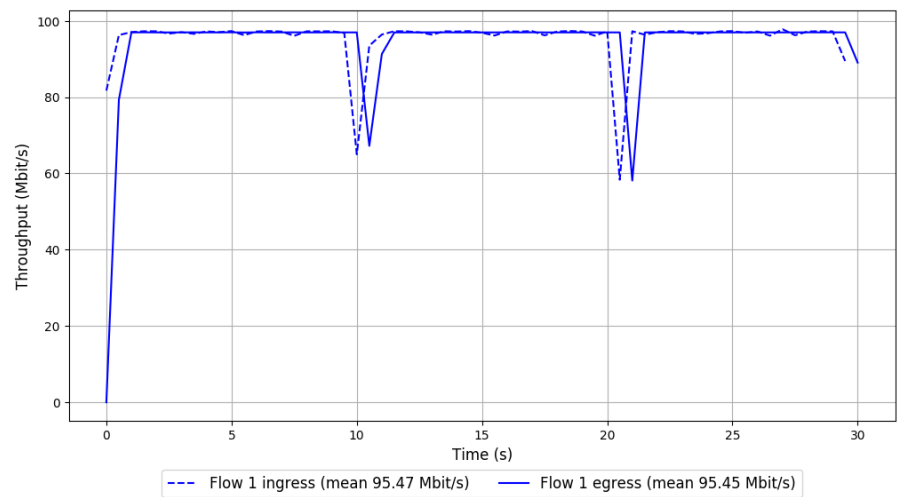


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 20:25:21
End at: 2018-08-09 20:25:51
Local clock offset: -2.313 ms
Remote clock offset: -3.152 ms

Below is generated by plot.py at 2018-08-09 20:43:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 12.648 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 12.648 ms
Loss rate: 0.05%

Run 10: Report of FillP-Sheep — Data Link

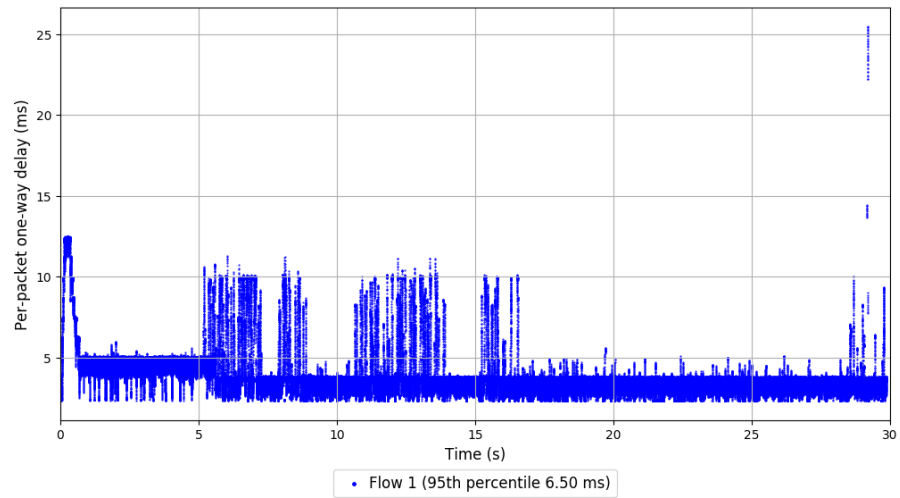
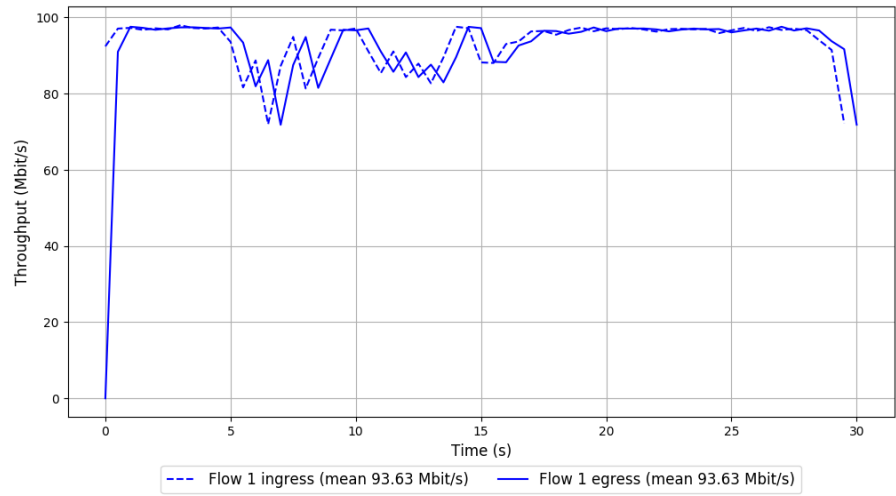


Run 1: Statistics of Indigo

Start at: 2018-08-09 17:22:51
End at: 2018-08-09 17:23:21
Local clock offset: -8.004 ms
Remote clock offset: -6.812 ms

Below is generated by plot.py at 2018-08-09 20:43:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 6.495 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 6.495 ms
Loss rate: 0.02%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-09 17:41:50

End at: 2018-08-09 17:42:20

Local clock offset: -7.56 ms

Remote clock offset: -6.497 ms

Below is generated by plot.py at 2018-08-09 20:43:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 5.087 ms

Loss rate: 0.02%

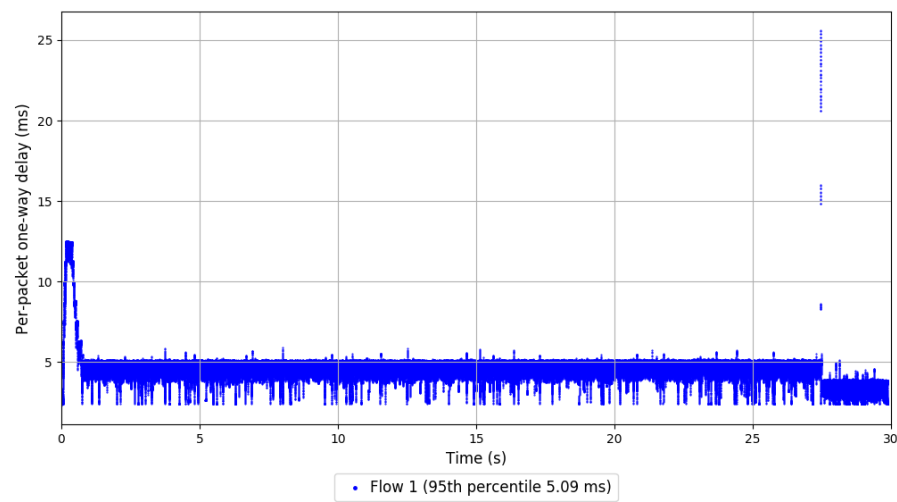
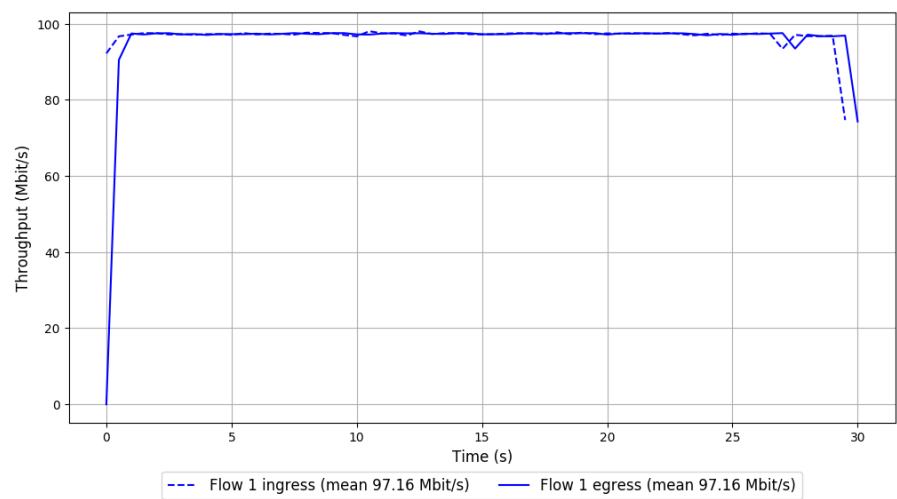
-- Flow 1:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 5.087 ms

Loss rate: 0.02%

Run 2: Report of Indigo — Data Link

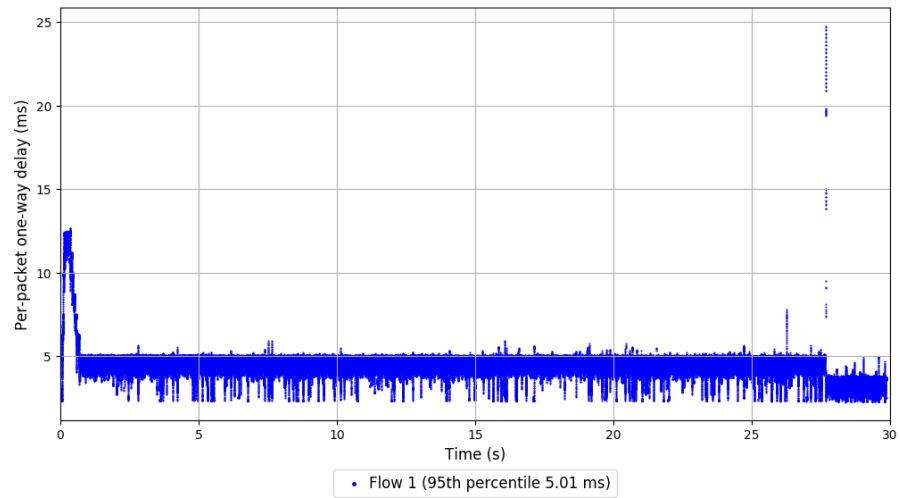
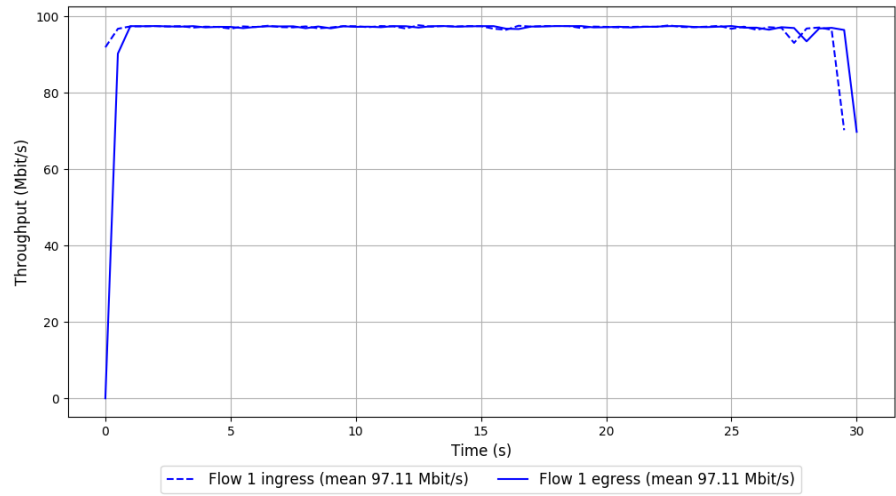


Run 3: Statistics of Indigo

Start at: 2018-08-09 18:00:53
End at: 2018-08-09 18:01:23
Local clock offset: -6.842 ms
Remote clock offset: -8.639 ms

Below is generated by plot.py at 2018-08-09 20:43:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 5.008 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 5.008 ms
Loss rate: 0.02%

Run 3: Report of Indigo — Data Link

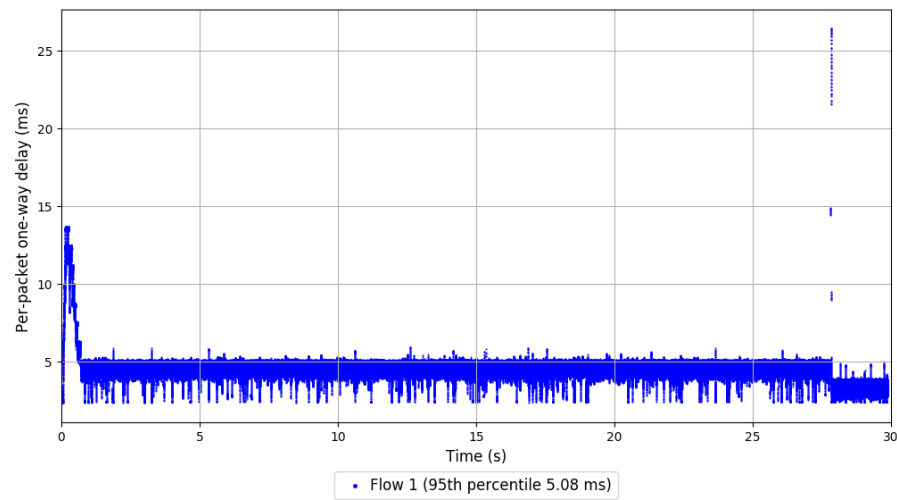
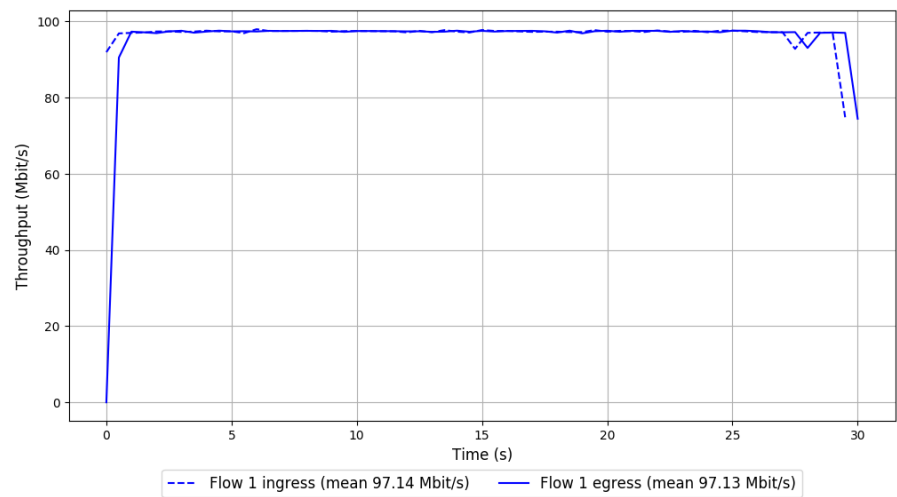


Run 4: Statistics of Indigo

Start at: 2018-08-09 18:19:56
End at: 2018-08-09 18:20:26
Local clock offset: -6.843 ms
Remote clock offset: -9.319 ms

Below is generated by plot.py at 2018-08-09 20:43:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 5.081 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 5.081 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link

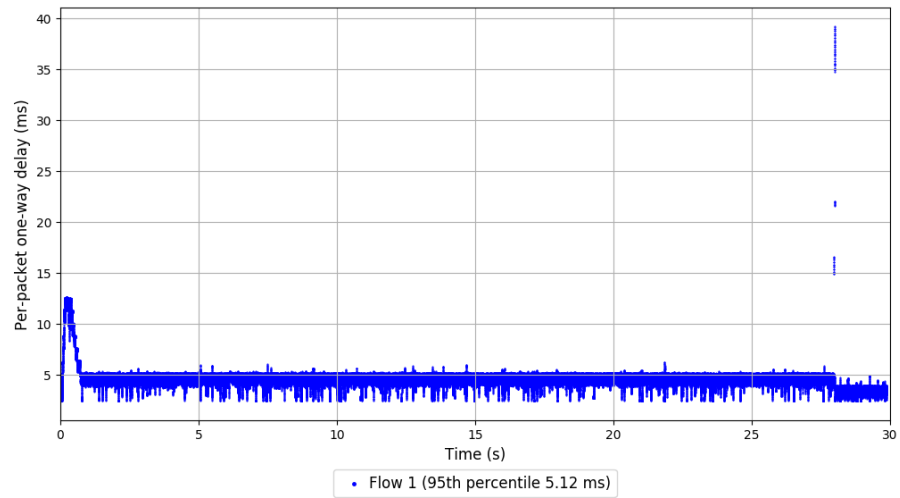
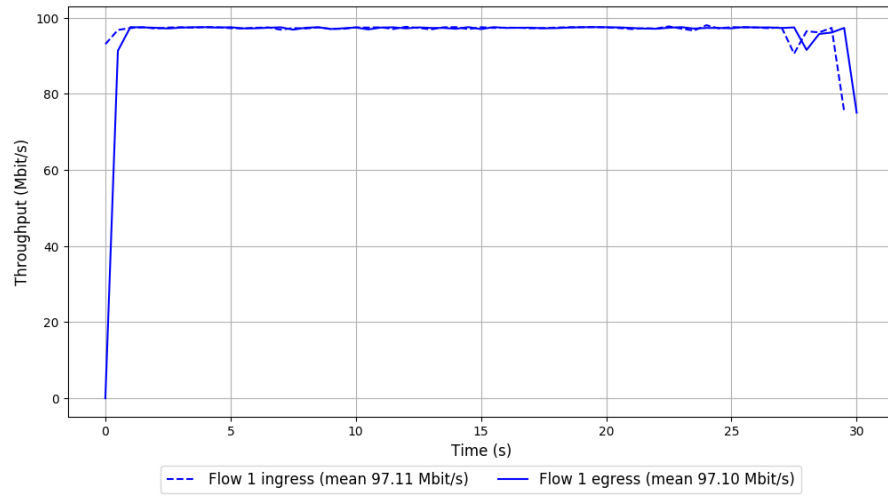


Run 5: Statistics of Indigo

Start at: 2018-08-09 18:38:58
End at: 2018-08-09 18:39:28
Local clock offset: -7.387 ms
Remote clock offset: -9.844 ms

Below is generated by plot.py at 2018-08-09 20:43:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

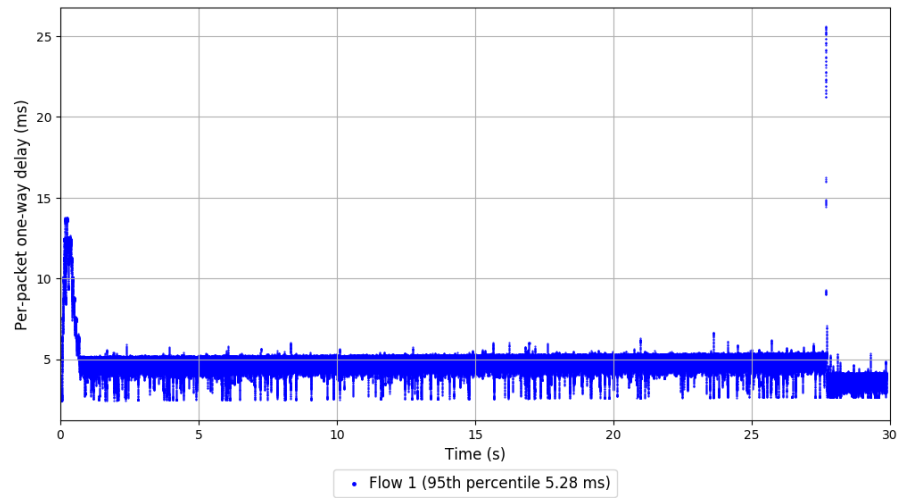
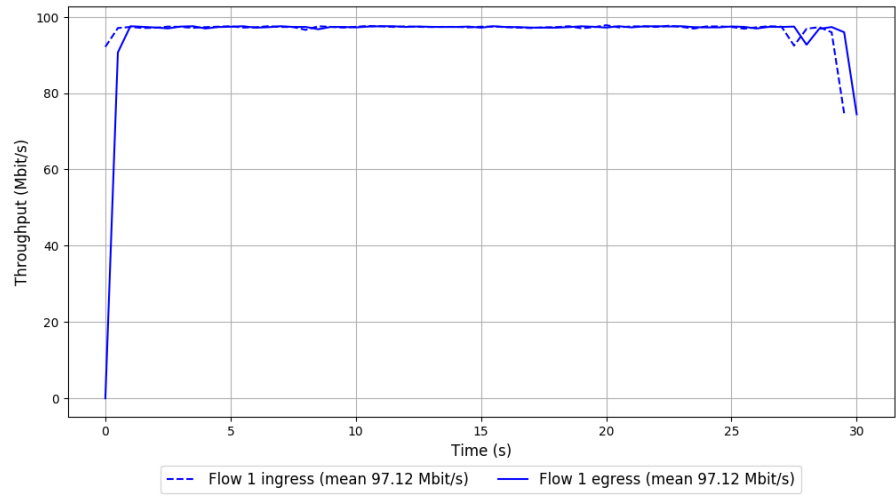


Run 6: Statistics of Indigo

Start at: 2018-08-09 18:58:01
End at: 2018-08-09 18:58:31
Local clock offset: -3.566 ms
Remote clock offset: -8.017 ms

Below is generated by plot.py at 2018-08-09 20:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 5.277 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 5.277 ms
Loss rate: 0.02%

Run 6: Report of Indigo — Data Link

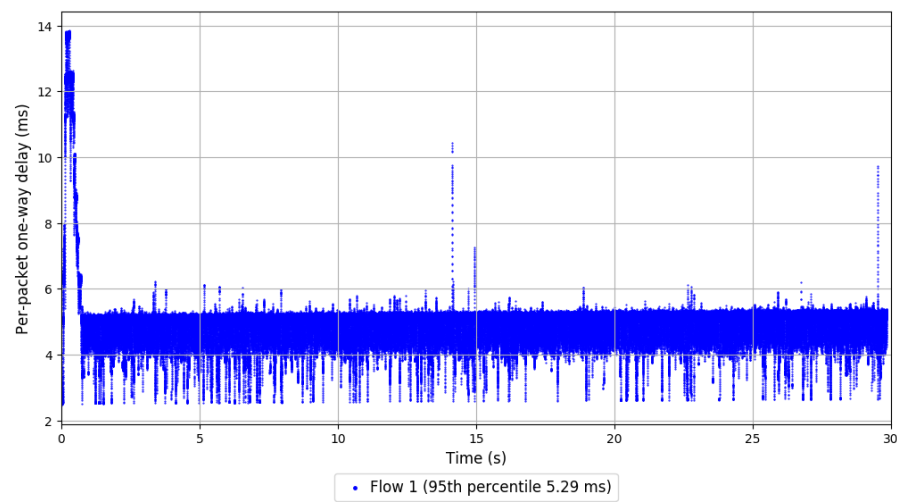
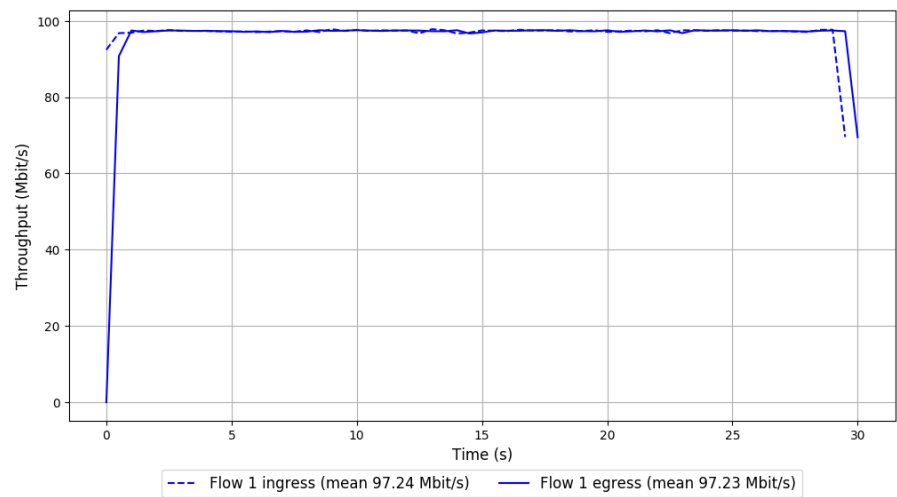


Run 7: Statistics of Indigo

Start at: 2018-08-09 19:17:04
End at: 2018-08-09 19:17:34
Local clock offset: -2.045 ms
Remote clock offset: -1.764 ms

Below is generated by plot.py at 2018-08-09 20:43:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.292 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.292 ms
Loss rate: 0.02%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 19:36:07

End at: 2018-08-09 19:36:37

Local clock offset: -2.783 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2018-08-09 20:43:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 5.063 ms

Loss rate: 0.02%

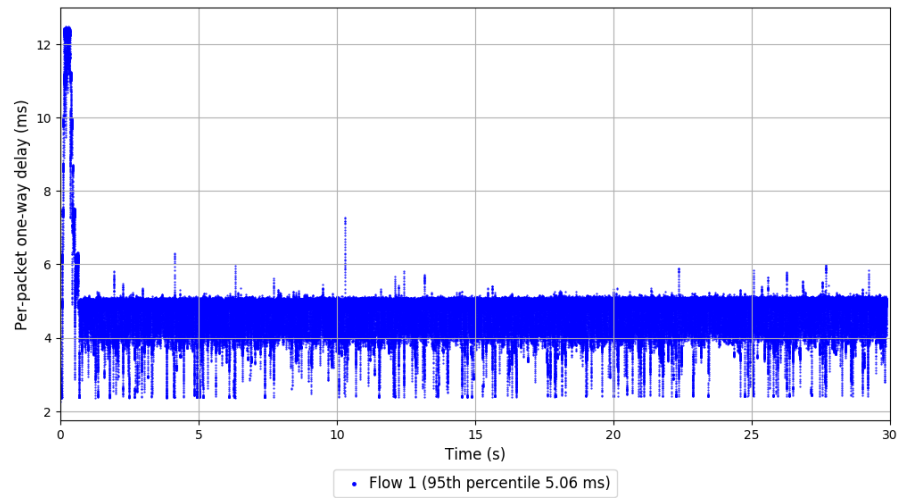
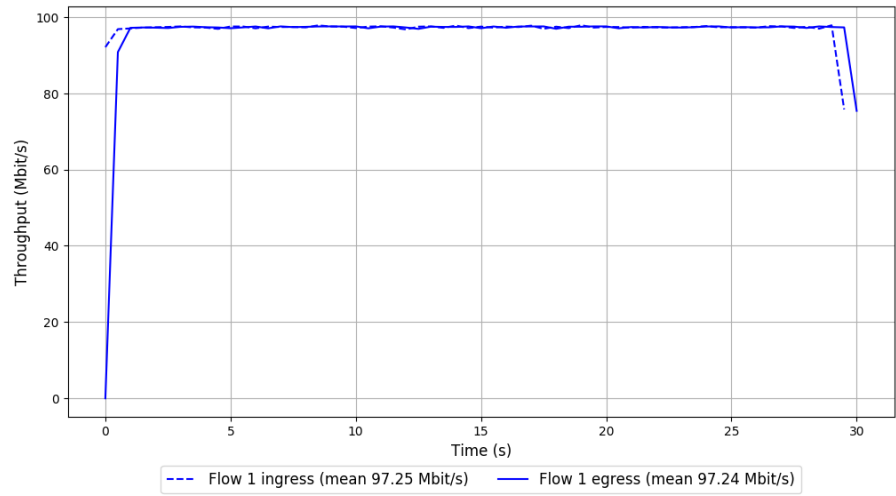
-- Flow 1:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 5.063 ms

Loss rate: 0.02%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 19:55:09

End at: 2018-08-09 19:55:39

Local clock offset: -2.373 ms

Remote clock offset: 2.469 ms

Below is generated by plot.py at 2018-08-09 20:44:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 5.209 ms

Loss rate: 0.02%

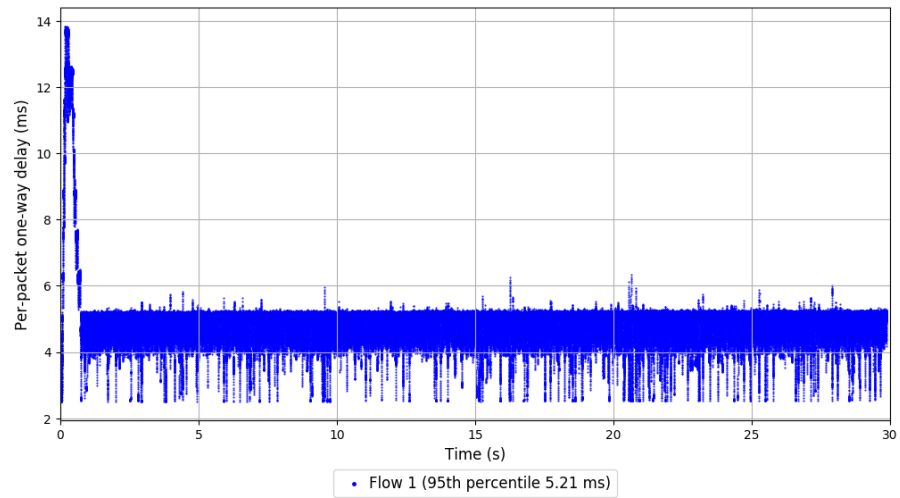
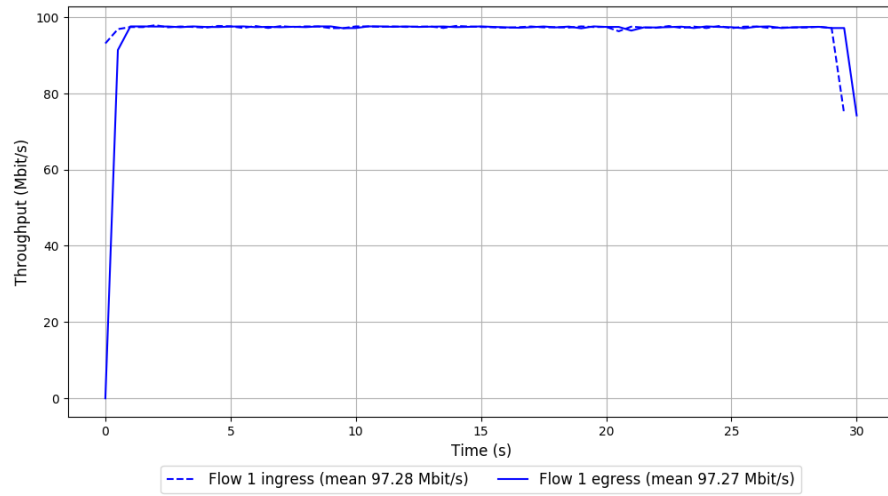
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 5.209 ms

Loss rate: 0.02%

Run 9: Report of Indigo — Data Link

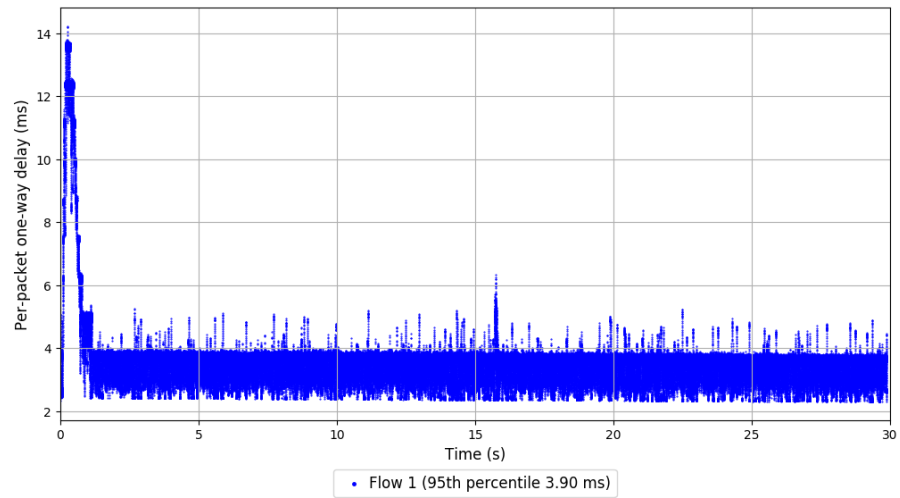
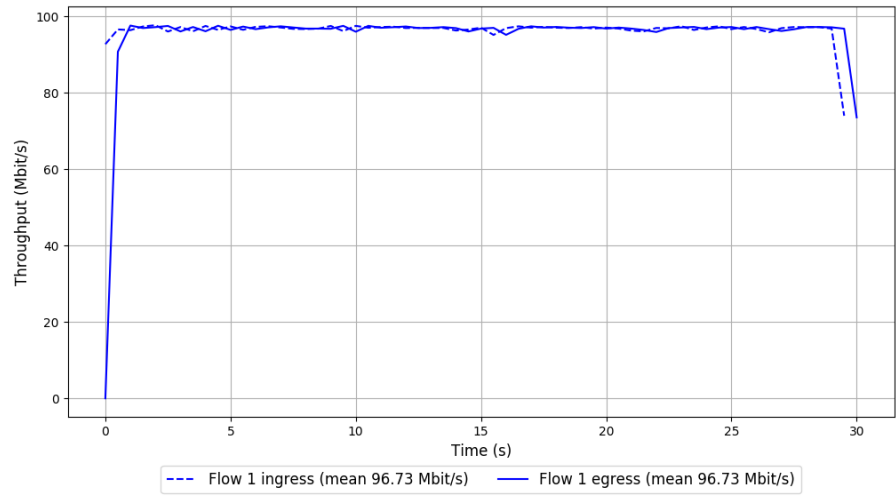


Run 10: Statistics of Indigo

Start at: 2018-08-09 20:14:12
End at: 2018-08-09 20:14:42
Local clock offset: -1.817 ms
Remote clock offset: -1.598 ms

Below is generated by plot.py at 2018-08-09 20:44:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 3.899 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 3.899 ms
Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

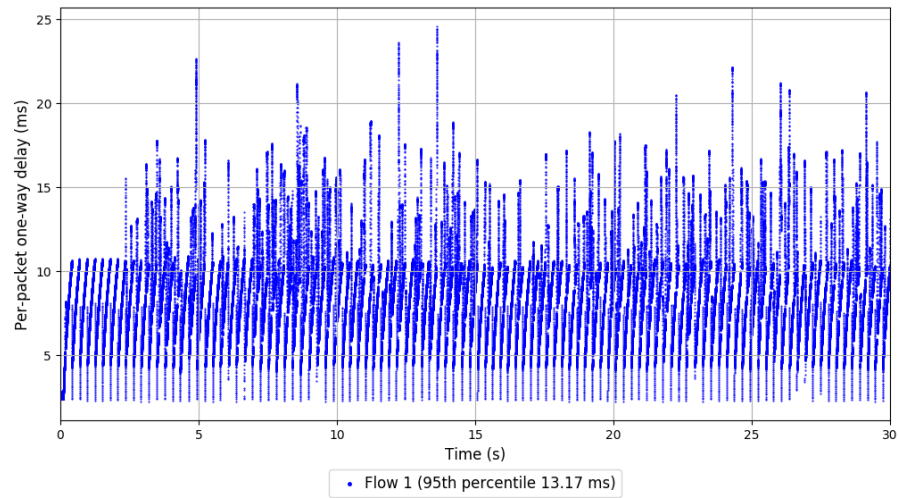
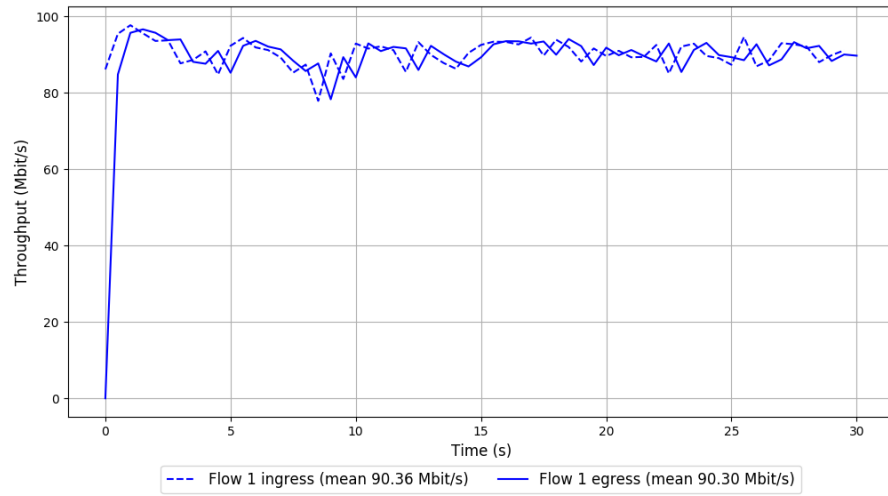


Run 1: Statistics of LEDBAT

Start at: 2018-08-09 17:29:29
End at: 2018-08-09 17:29:59
Local clock offset: -7.567 ms
Remote clock offset: -6.625 ms

Below is generated by plot.py at 2018-08-09 20:44:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 13.171 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 13.171 ms
Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link

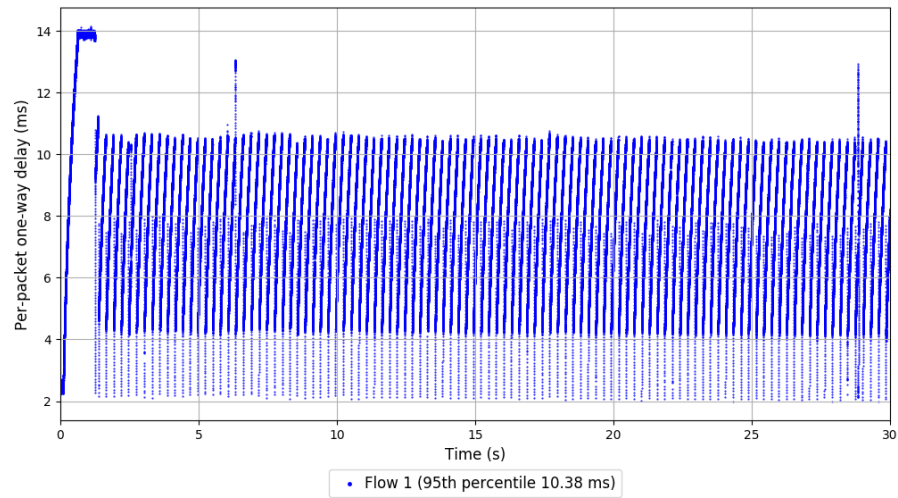
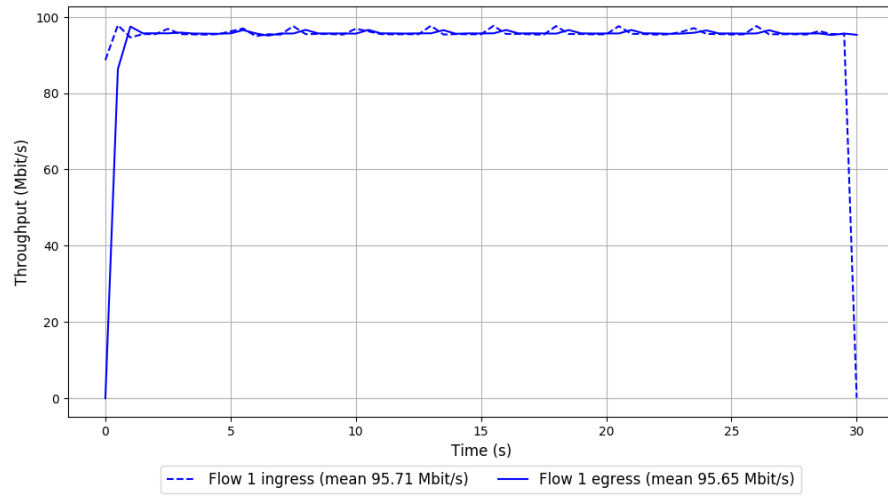


Run 2: Statistics of LEDBAT

Start at: 2018-08-09 17:48:28
End at: 2018-08-09 17:48:58
Local clock offset: -7.319 ms
Remote clock offset: -6.794 ms

Below is generated by plot.py at 2018-08-09 20:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.384 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.384 ms
Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-09 18:07:31

End at: 2018-08-09 18:08:01

Local clock offset: -6.603 ms

Remote clock offset: -8.91 ms

Below is generated by plot.py at 2018-08-09 20:45:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 10.443 ms

Loss rate: 0.09%

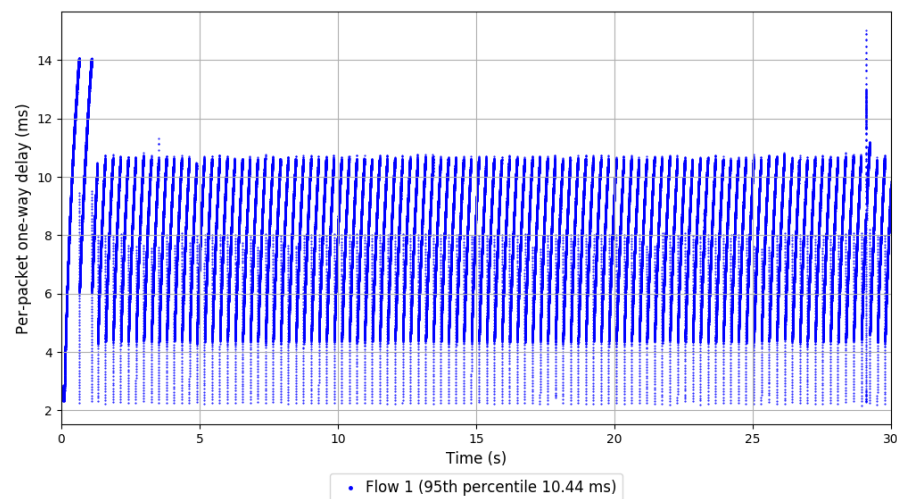
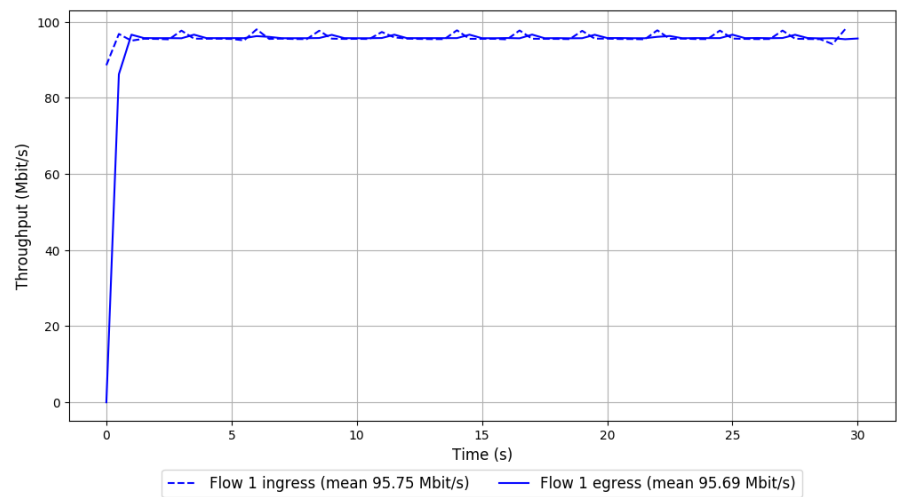
-- Flow 1:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 10.443 ms

Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-09 18:26:34

End at: 2018-08-09 18:27:04

Local clock offset: -7.18 ms

Remote clock offset: -9.6 ms

Below is generated by plot.py at 2018-08-09 20:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 10.594 ms

Loss rate: 0.07%

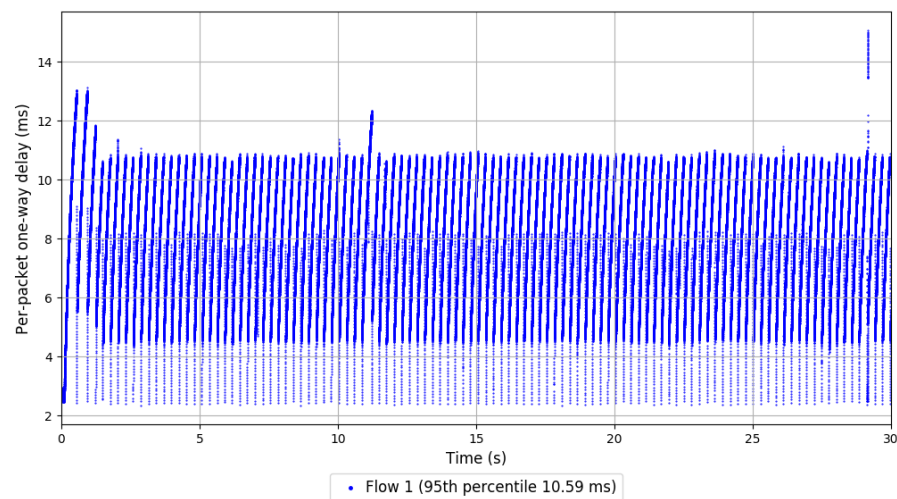
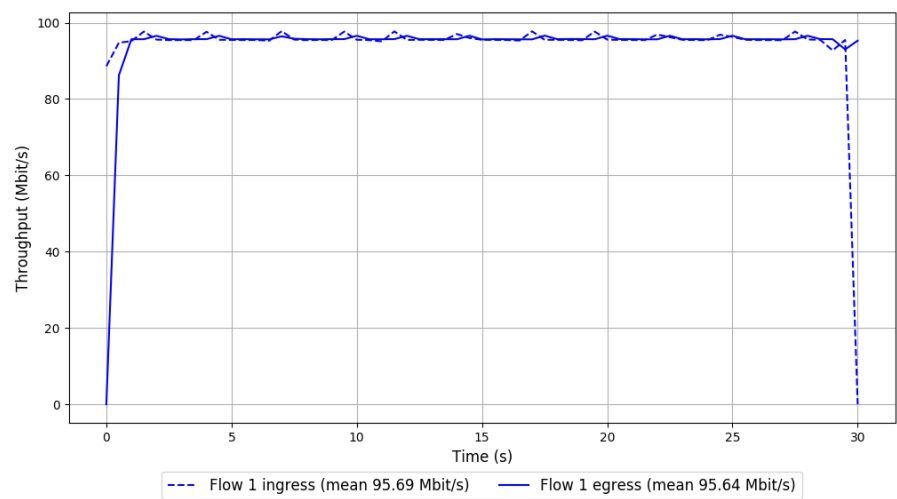
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 10.594 ms

Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

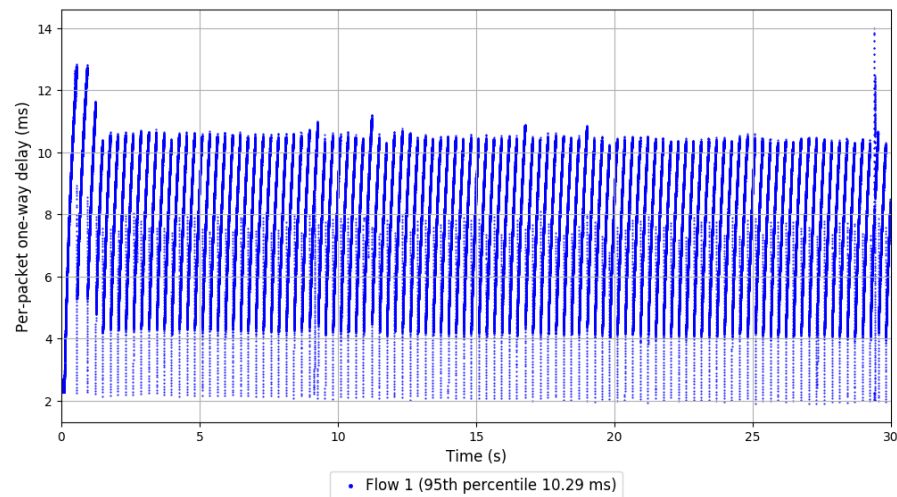
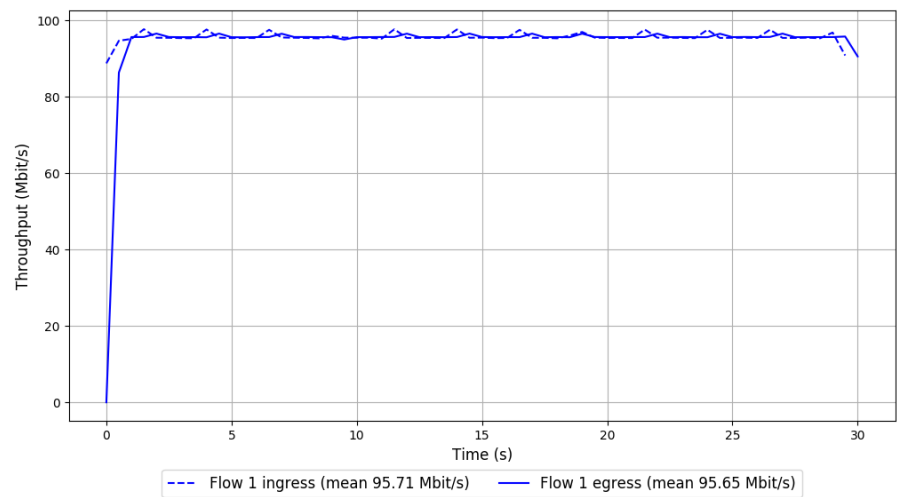


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 18:45:36
End at: 2018-08-09 18:46:06
Local clock offset: -7.418 ms
Remote clock offset: -10.013 ms

Below is generated by plot.py at 2018-08-09 20:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.290 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.290 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

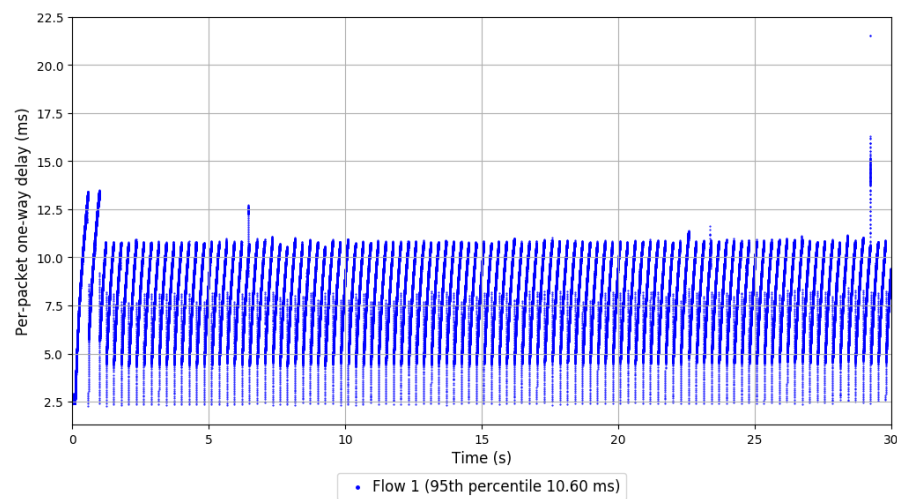
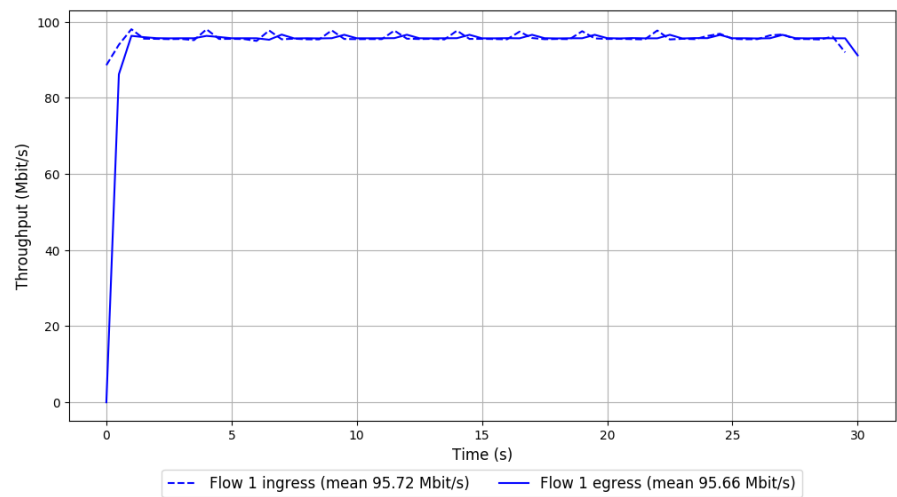


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 19:04:39
End at: 2018-08-09 19:05:09
Local clock offset: -2.634 ms
Remote clock offset: -4.758 ms

Below is generated by plot.py at 2018-08-09 20:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 10.600 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 10.600 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link

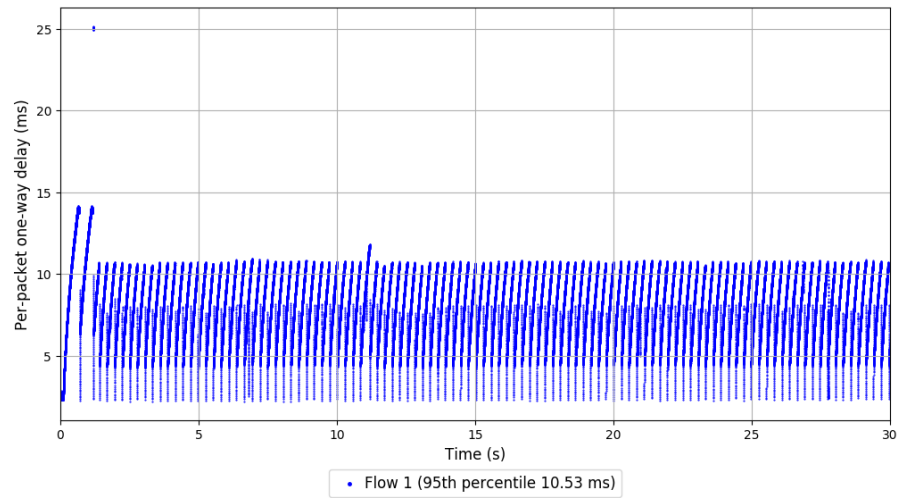
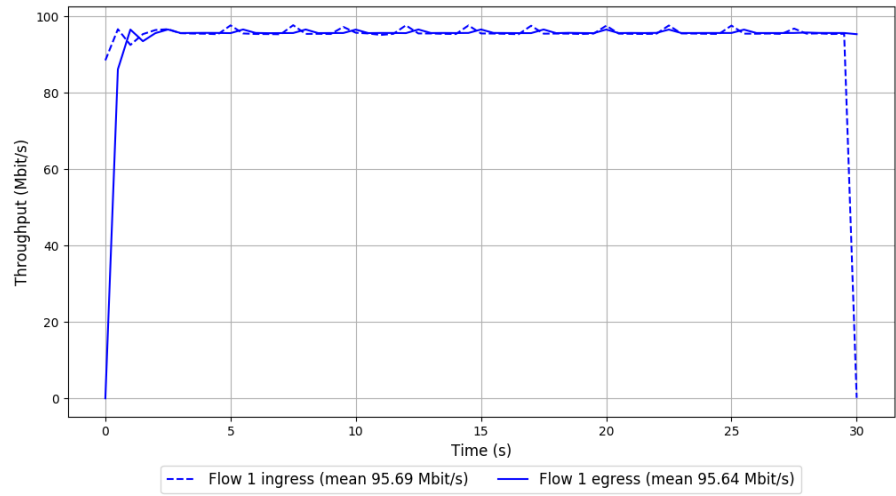


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 19:23:42
End at: 2018-08-09 19:24:12
Local clock offset: -2.737 ms
Remote clock offset: -0.743 ms

Below is generated by plot.py at 2018-08-09 20:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.528 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.528 ms
Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 19:42:45

End at: 2018-08-09 19:43:15

Local clock offset: -2.675 ms

Remote clock offset: 1.333 ms

Below is generated by plot.py at 2018-08-09 20:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 10.531 ms

Loss rate: 0.08%

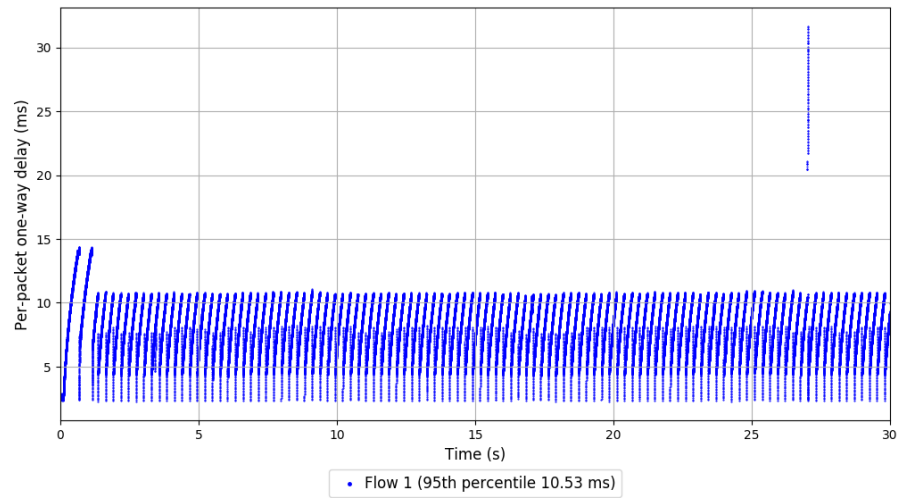
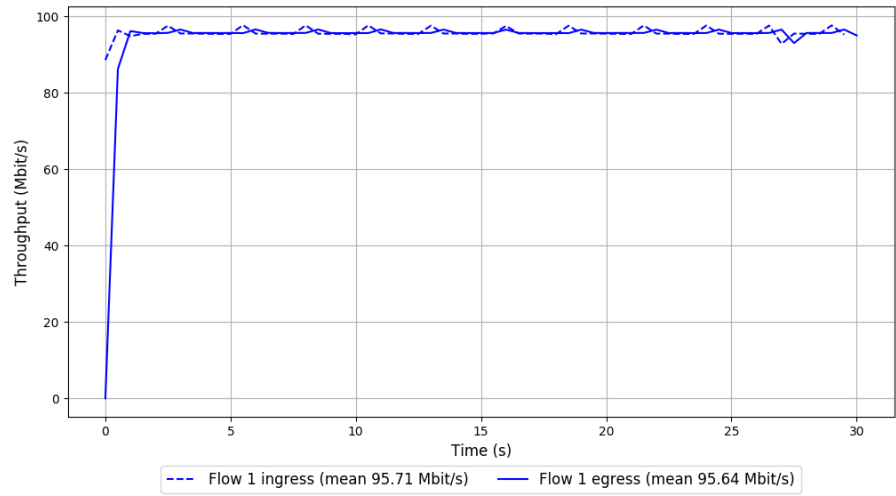
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 10.531 ms

Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-09 20:01:47

End at: 2018-08-09 20:02:17

Local clock offset: -2.164 ms

Remote clock offset: 3.203 ms

Below is generated by plot.py at 2018-08-09 20:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 10.633 ms

Loss rate: 0.08%

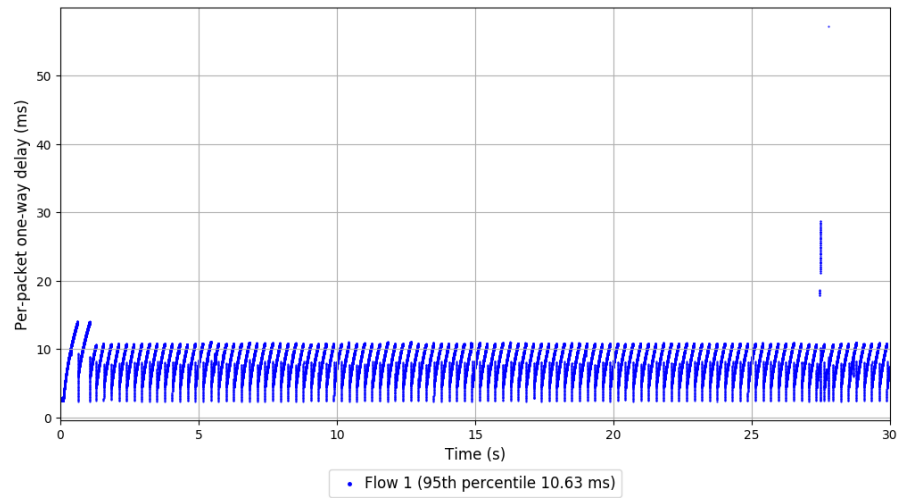
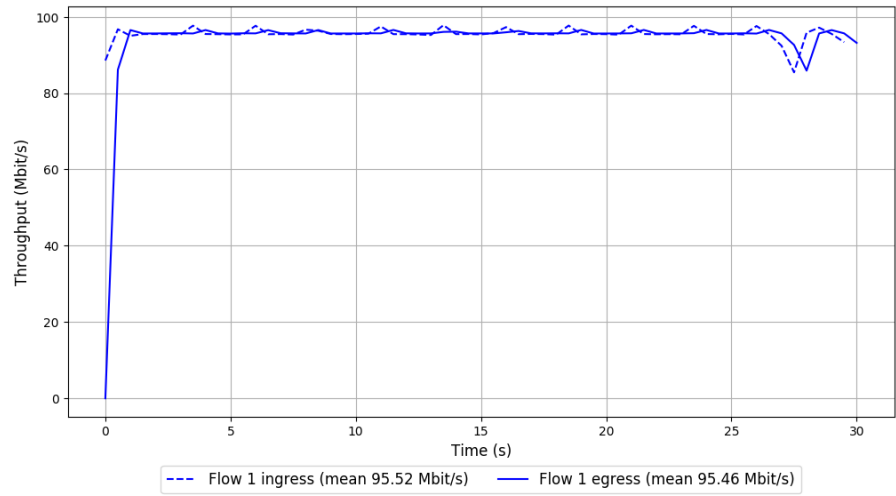
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 10.633 ms

Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

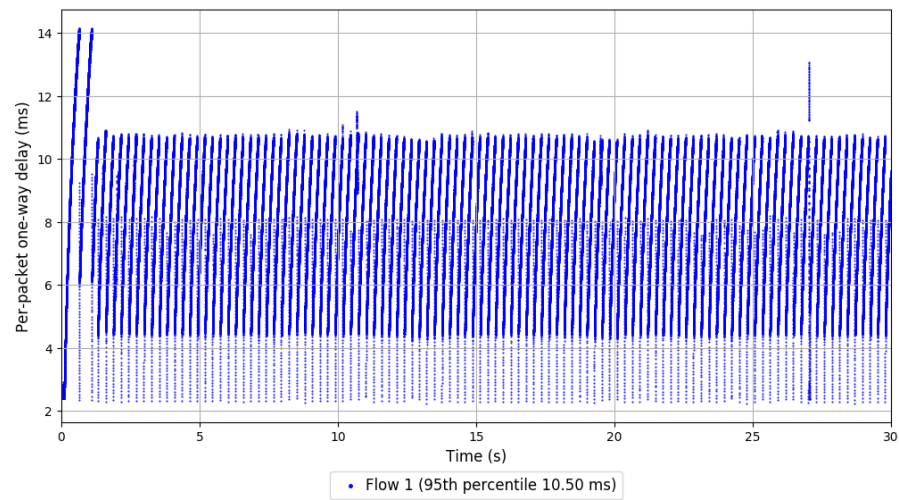
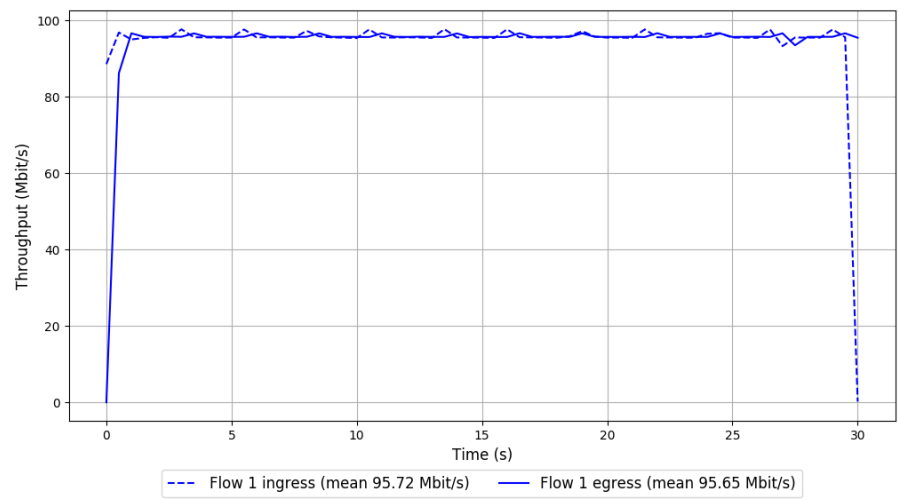


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 20:20:50
End at: 2018-08-09 20:21:20
Local clock offset: -2.147 ms
Remote clock offset: -2.666 ms

Below is generated by plot.py at 2018-08-09 20:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.499 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.499 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 17:28:23

End at: 2018-08-09 17:28:53

Local clock offset: -7.606 ms

Remote clock offset: -6.797 ms

Below is generated by plot.py at 2018-08-09 20:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 3.859 ms

Loss rate: 0.15%

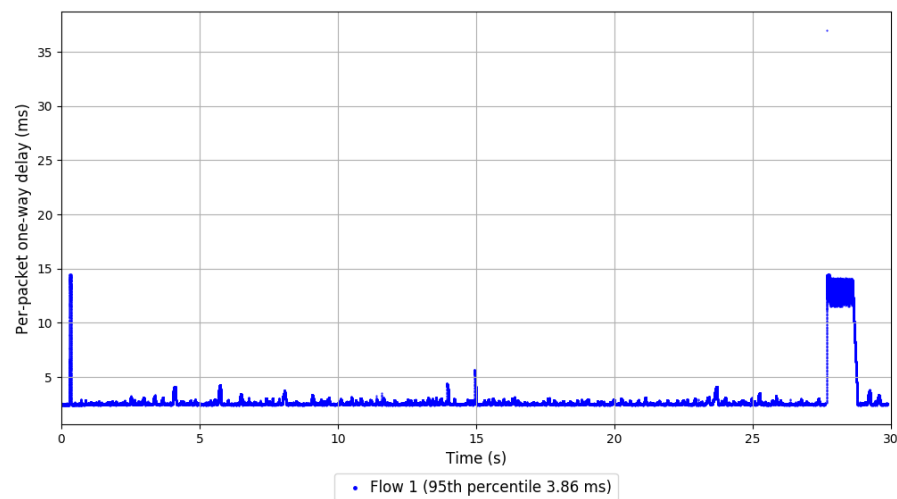
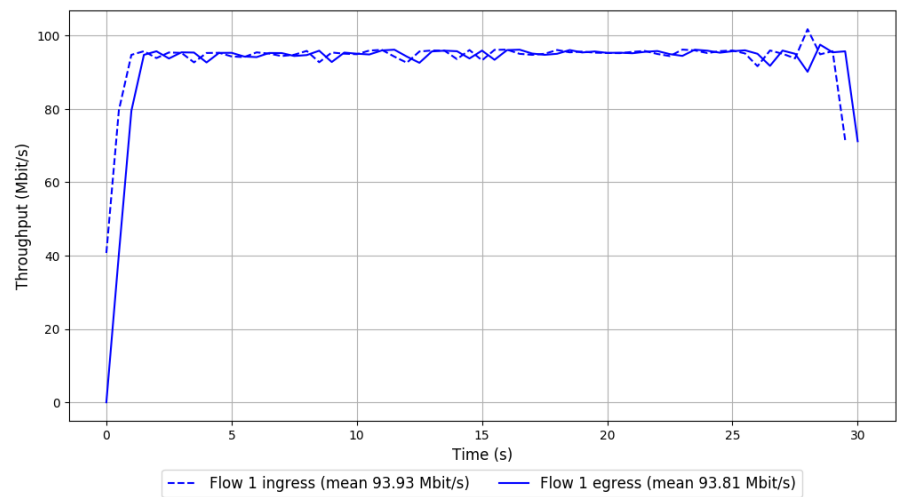
-- Flow 1:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 3.859 ms

Loss rate: 0.15%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 17:47:22

End at: 2018-08-09 17:47:52

Local clock offset: -7.483 ms

Remote clock offset: -6.607 ms

Below is generated by plot.py at 2018-08-09 20:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.02%

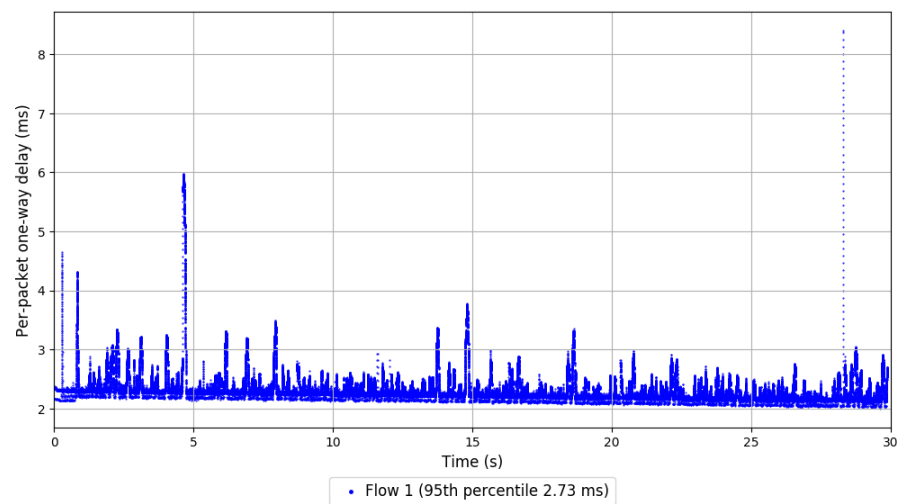
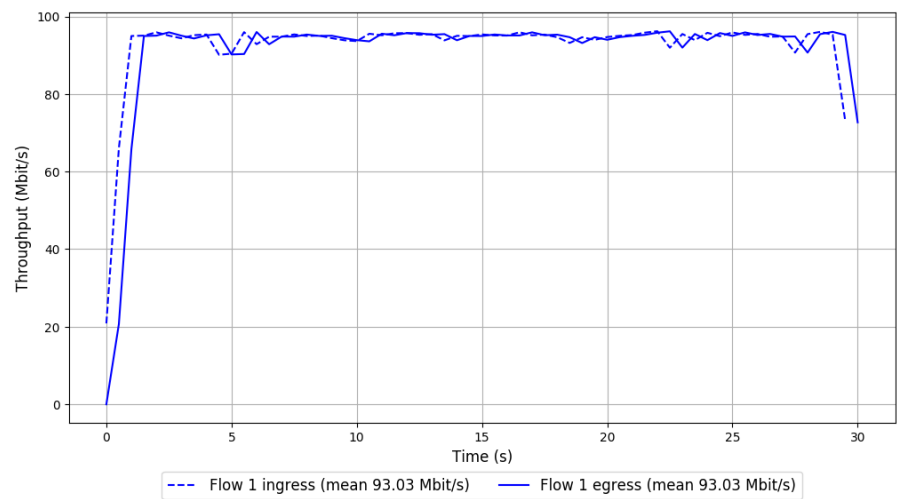
-- Flow 1:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.02%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 18:06:25

End at: 2018-08-09 18:06:55

Local clock offset: -6.68 ms

Remote clock offset: -8.863 ms

Below is generated by plot.py at 2018-08-09 20:46:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 2.784 ms

Loss rate: 0.01%

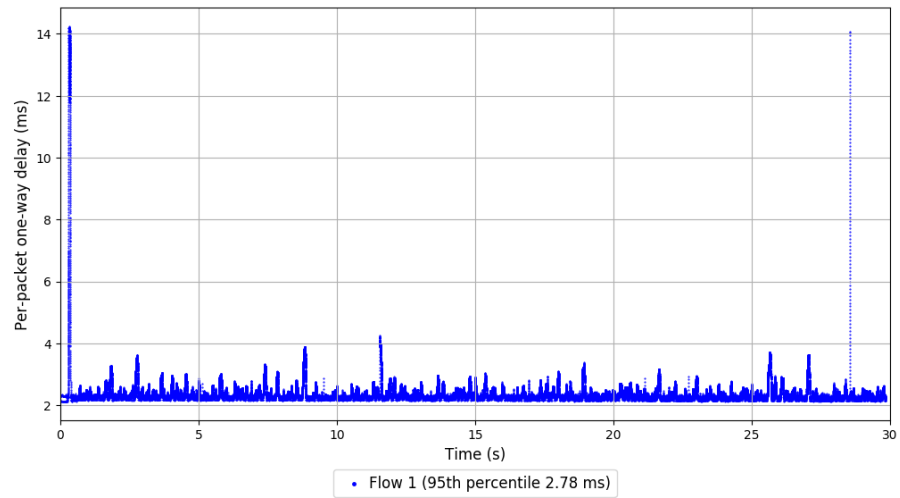
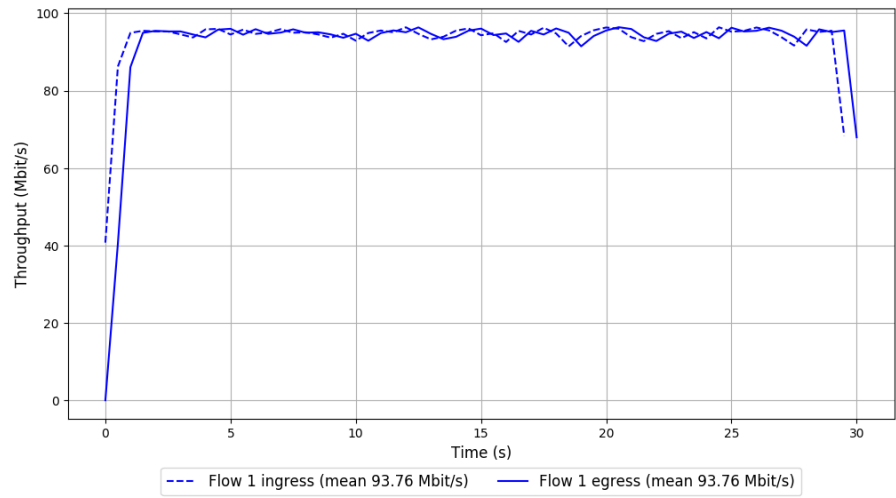
-- Flow 1:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 2.784 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 18:25:28

End at: 2018-08-09 18:25:58

Local clock offset: -7.181 ms

Remote clock offset: -9.449 ms

Below is generated by plot.py at 2018-08-09 20:46:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.02%

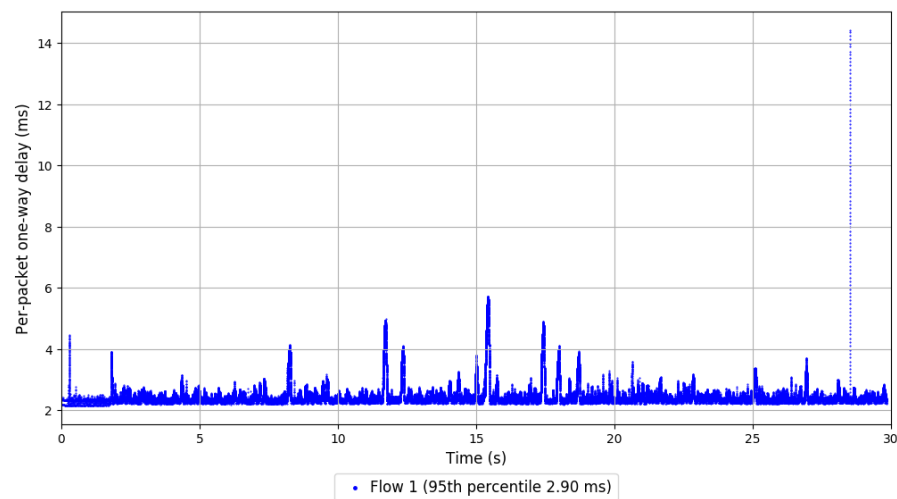
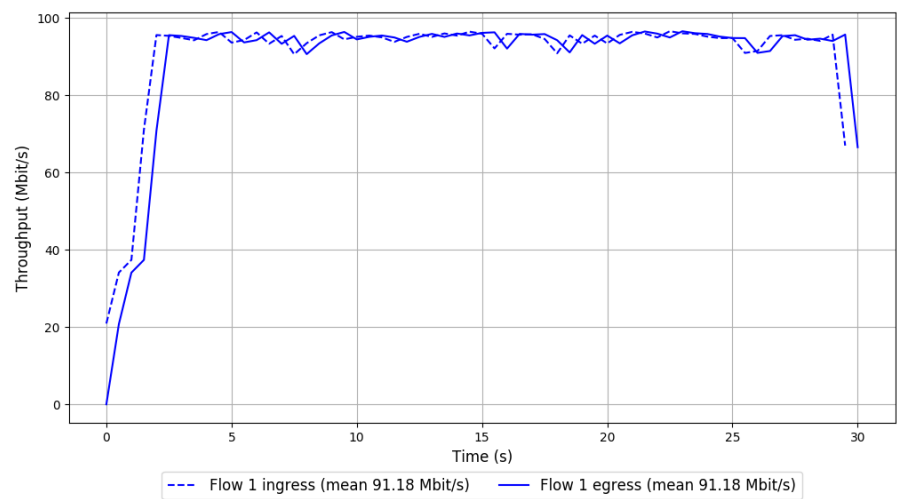
-- Flow 1:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 18:44:30

End at: 2018-08-09 18:45:00

Local clock offset: -7.417 ms

Remote clock offset: -9.886 ms

Below is generated by plot.py at 2018-08-09 20:46:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 3.059 ms

Loss rate: 0.02%

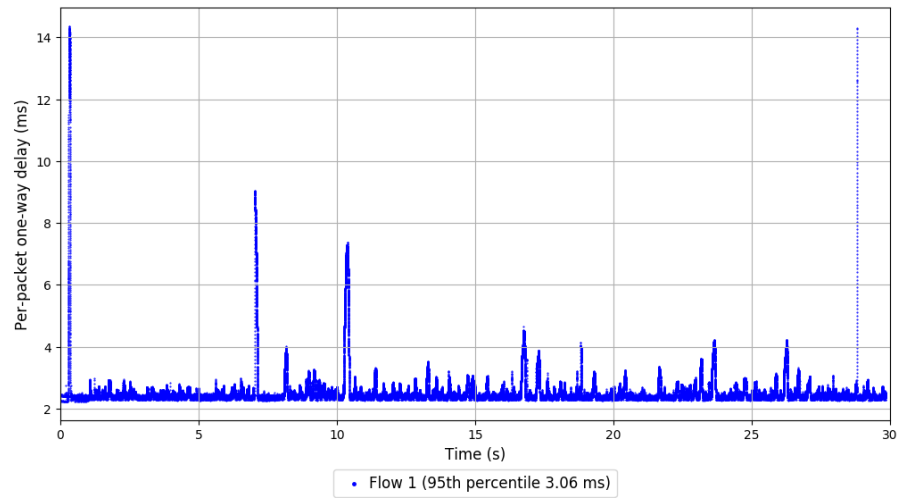
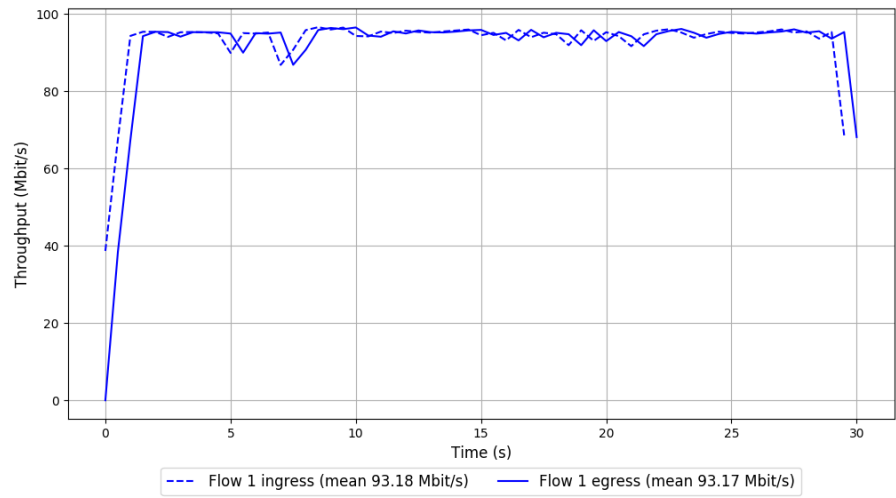
-- Flow 1:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 3.059 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 19:03:33

End at: 2018-08-09 19:04:03

Local clock offset: -2.711 ms

Remote clock offset: -5.071 ms

Below is generated by plot.py at 2018-08-09 20:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 3.013 ms

Loss rate: 0.02%

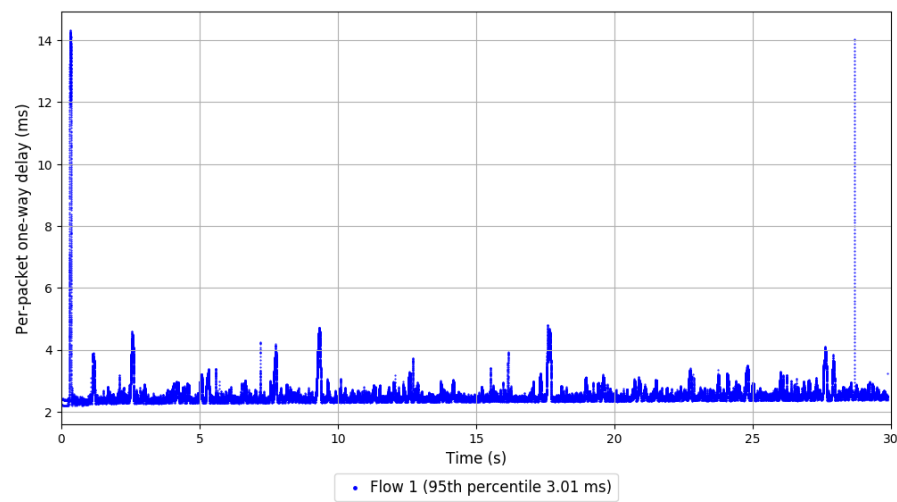
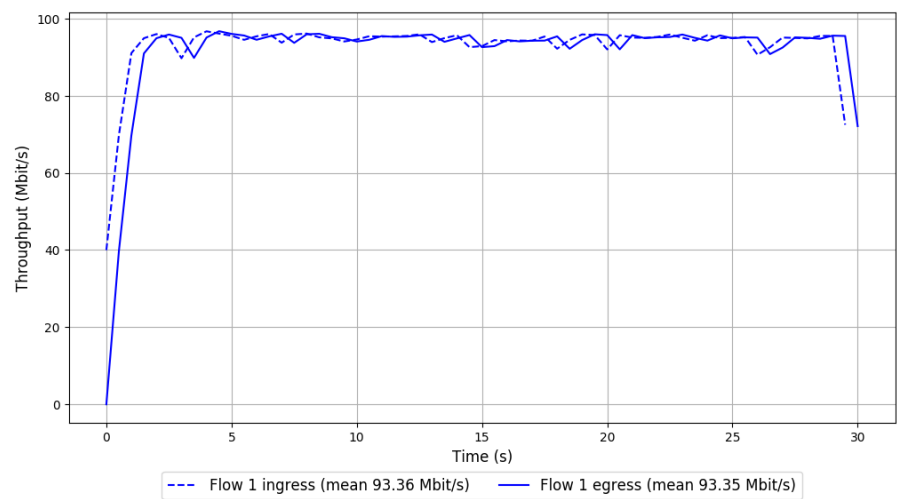
-- Flow 1:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 3.013 ms

Loss rate: 0.02%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 19:22:36

End at: 2018-08-09 19:23:06

Local clock offset: -2.615 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2018-08-09 20:46:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 3.197 ms

Loss rate: 0.02%

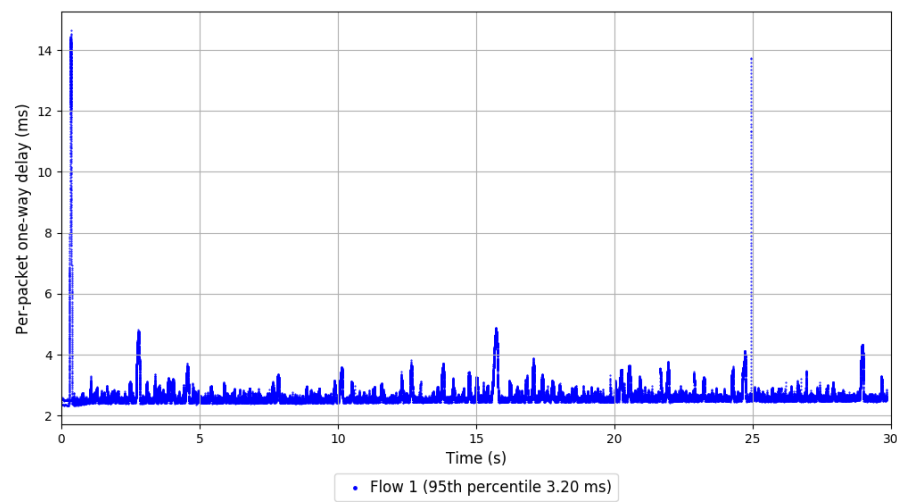
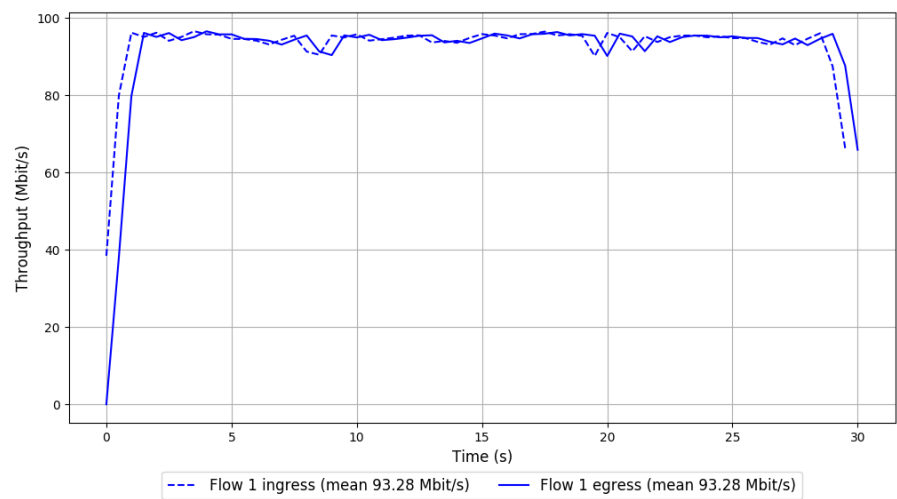
-- Flow 1:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 3.197 ms

Loss rate: 0.02%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 19:41:39

End at: 2018-08-09 19:42:09

Local clock offset: -2.684 ms

Remote clock offset: 1.108 ms

Below is generated by plot.py at 2018-08-09 20:46:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 3.086 ms

Loss rate: 0.02%

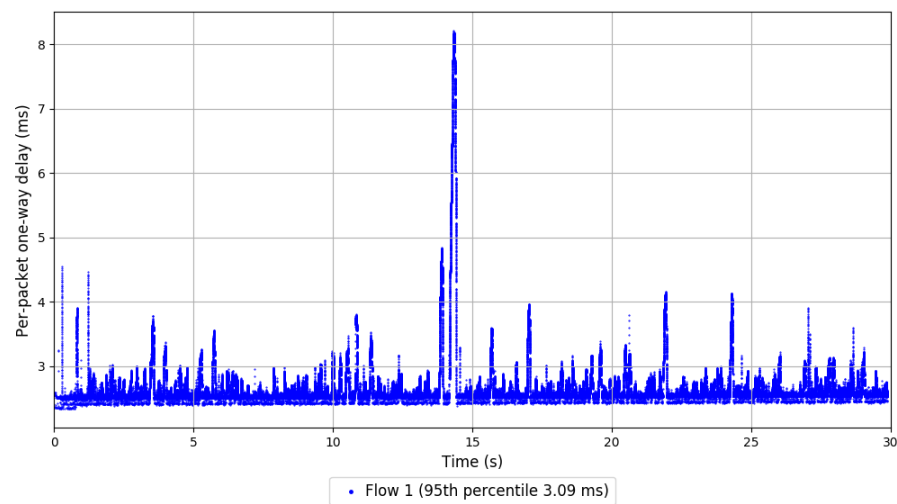
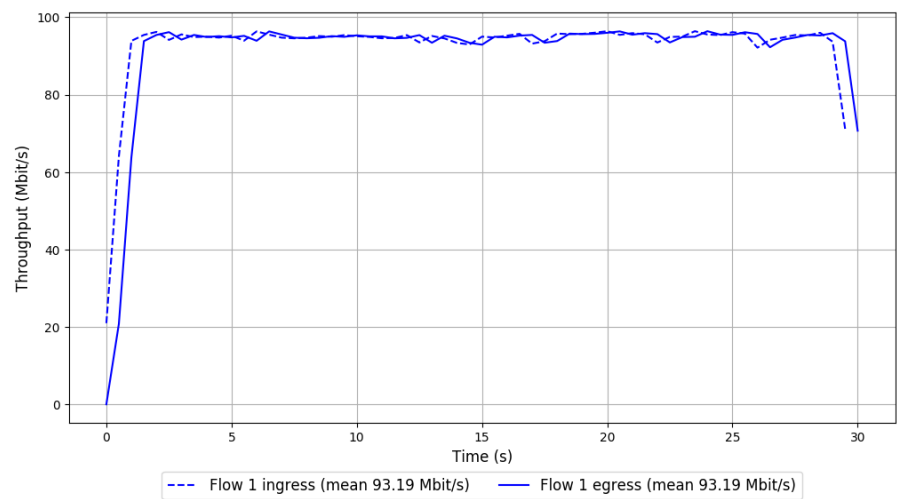
-- Flow 1:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 3.086 ms

Loss rate: 0.02%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 20:00:41

End at: 2018-08-09 20:01:11

Local clock offset: -2.297 ms

Remote clock offset: 3.16 ms

Below is generated by plot.py at 2018-08-09 20:47:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.02%

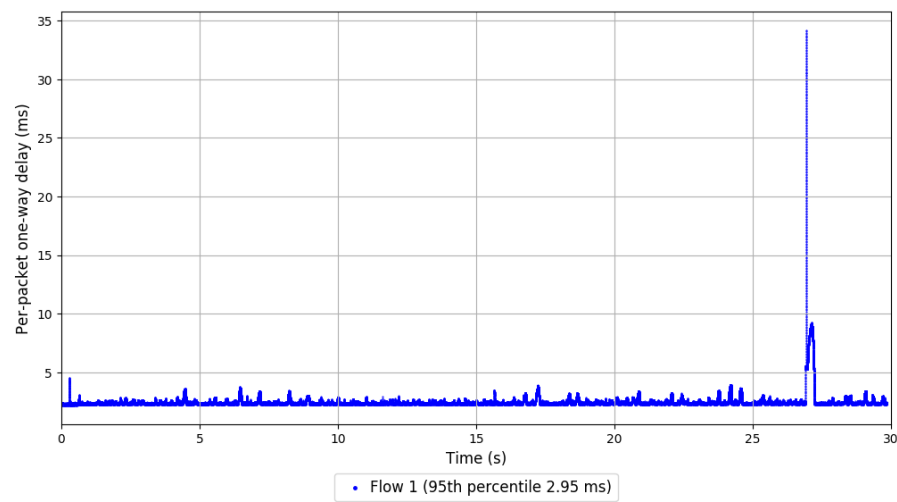
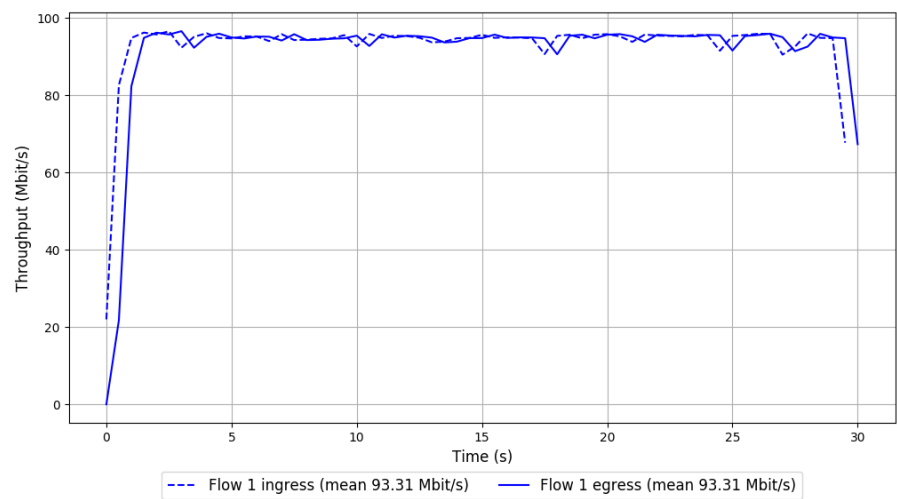
-- Flow 1:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.02%

Run 9: Report of PCC-Allegro — Data Link

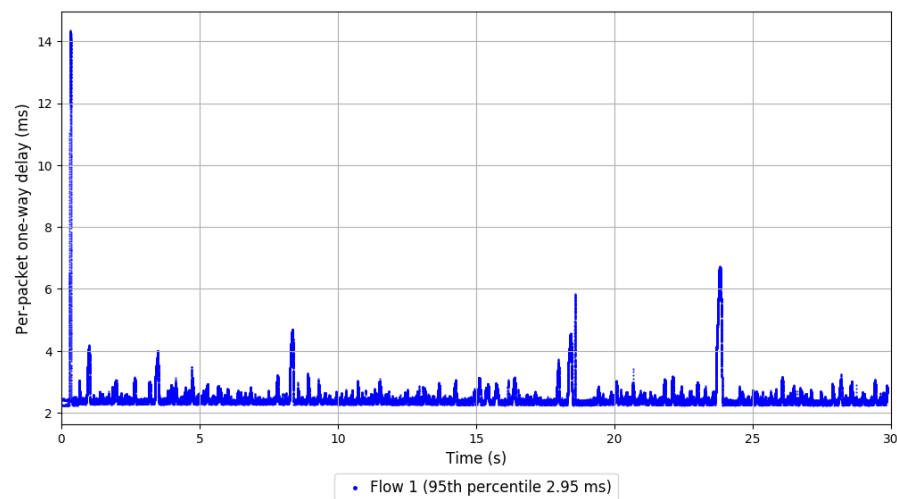
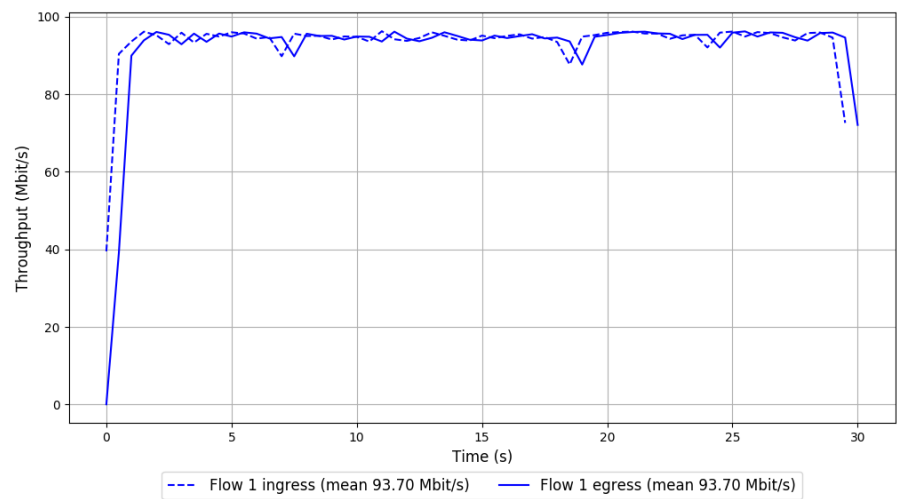


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 20:19:44
End at: 2018-08-09 20:20:14
Local clock offset: -2.157 ms
Remote clock offset: -2.591 ms

Below is generated by plot.py at 2018-08-09 20:47:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 2.954 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 2.954 ms
Loss rate: 0.02%

Run 10: Report of PCC-Allegro — Data Link

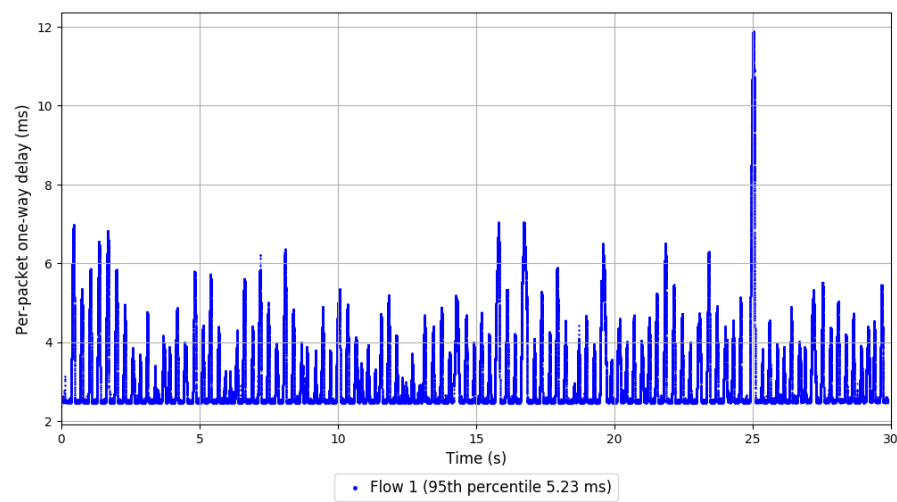
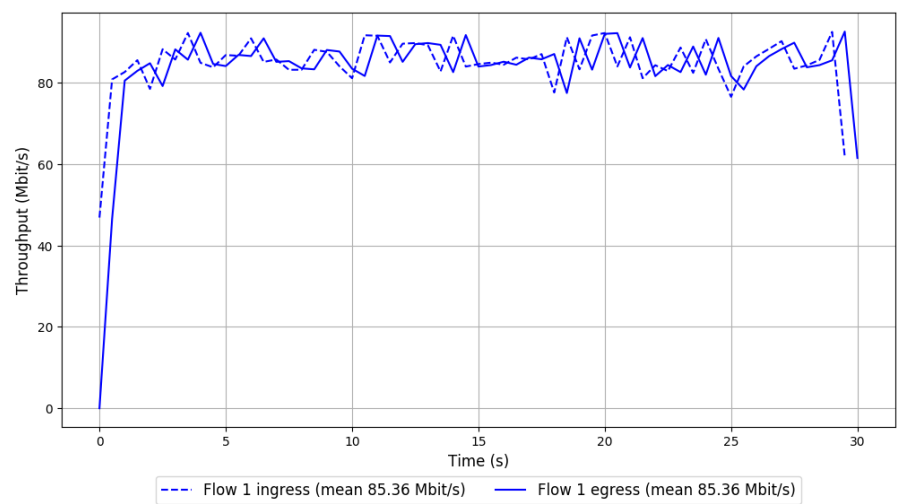


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 17:38:27
End at: 2018-08-09 17:38:57
Local clock offset: -7.524 ms
Remote clock offset: -6.642 ms

# Below is generated by plot.py at 2018-08-09 20:47:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 5.230 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 5.230 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Expr — Data Link

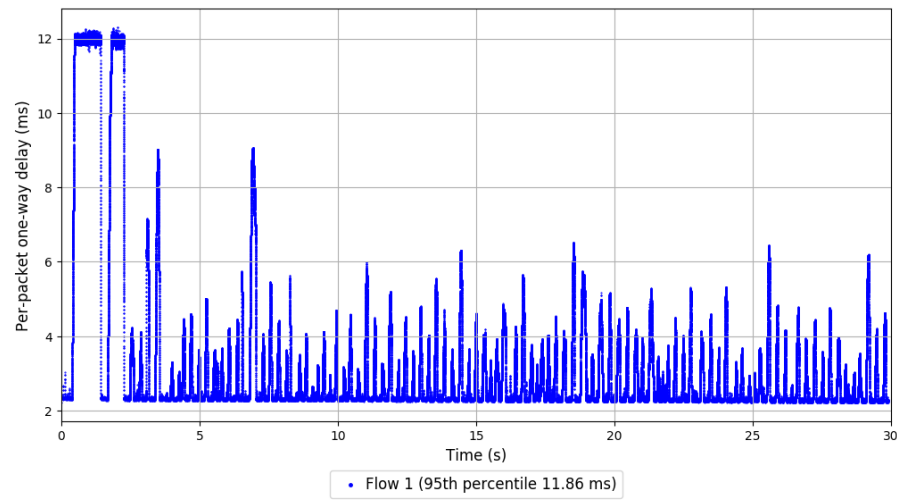
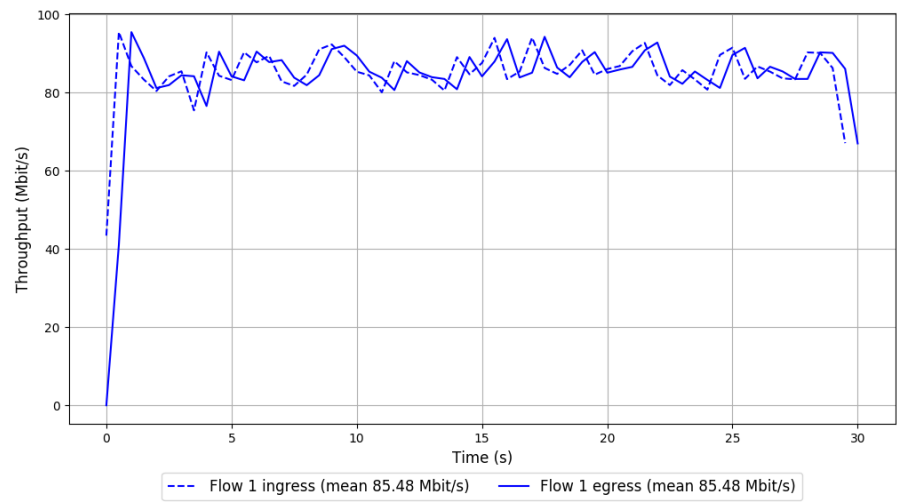


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 17:57:30
End at: 2018-08-09 17:58:00
Local clock offset: -6.875 ms
Remote clock offset: -8.269 ms

Below is generated by plot.py at 2018-08-09 20:47:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.02%

Run 2: Report of PCC-Expr — Data Link

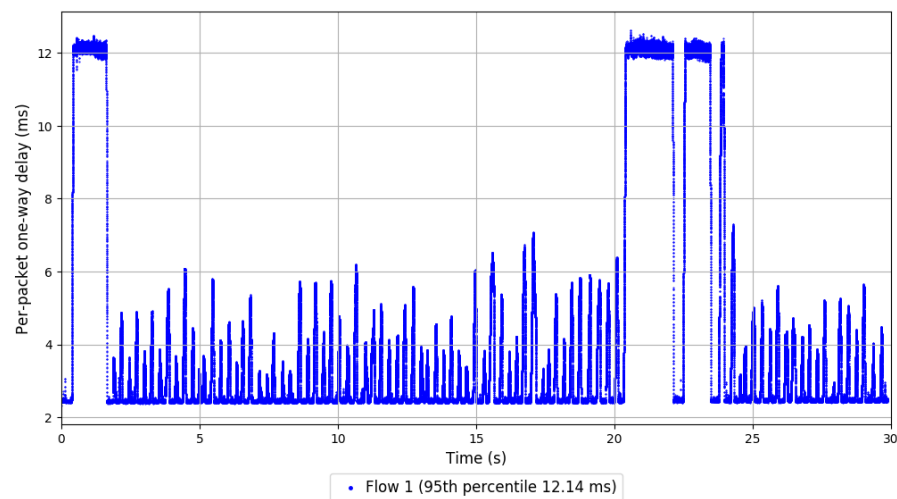
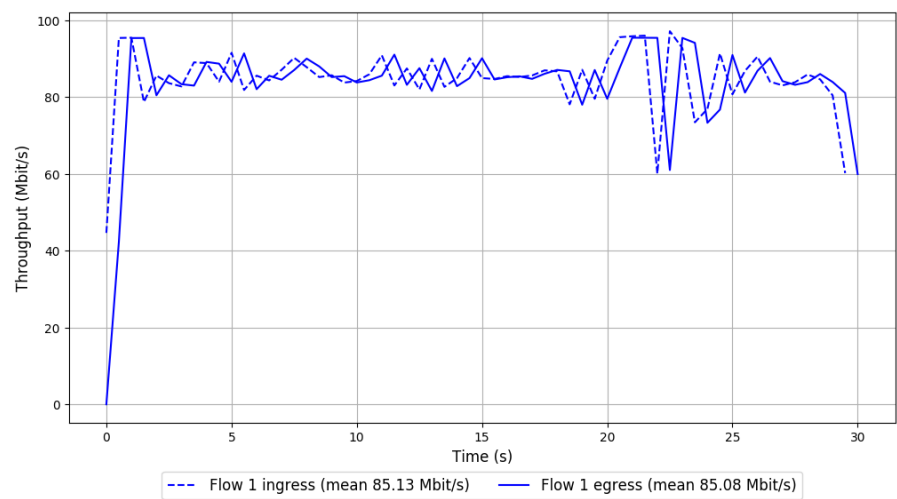


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 18:16:32
End at: 2018-08-09 18:17:02
Local clock offset: -6.555 ms
Remote clock offset: -9.267 ms

Below is generated by plot.py at 2018-08-09 20:48:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 12.143 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 12.143 ms
Loss rate: 0.07%

Run 3: Report of PCC-Expr — Data Link

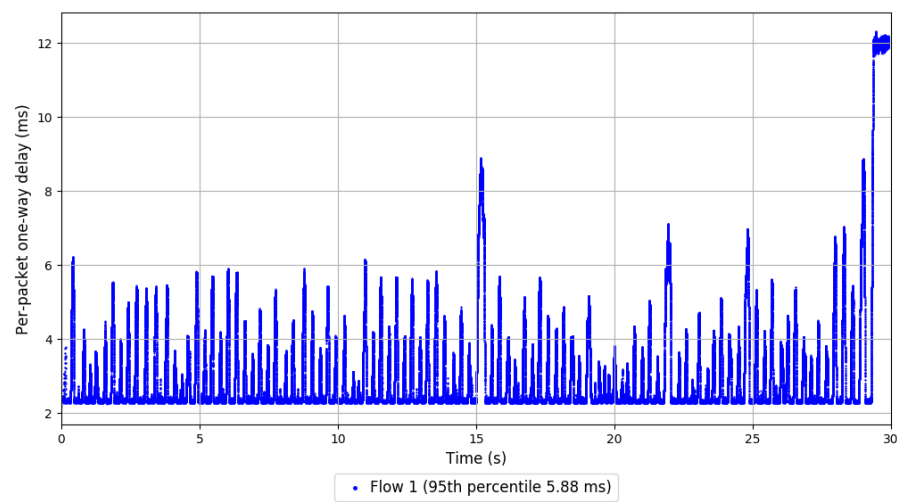
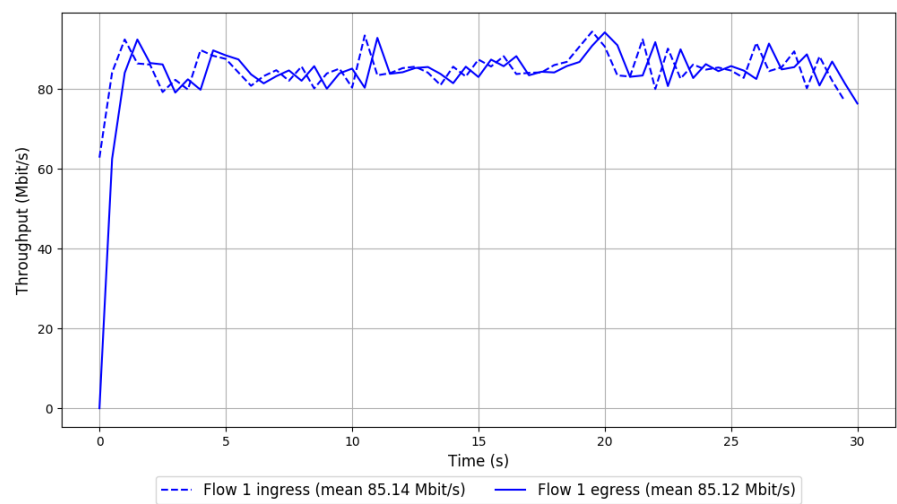


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 18:35:35
End at: 2018-08-09 18:36:05
Local clock offset: -7.398 ms
Remote clock offset: -9.674 ms

Below is generated by plot.py at 2018-08-09 20:48:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 5.878 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 5.878 ms
Loss rate: 0.06%

Run 4: Report of PCC-Expr — Data Link

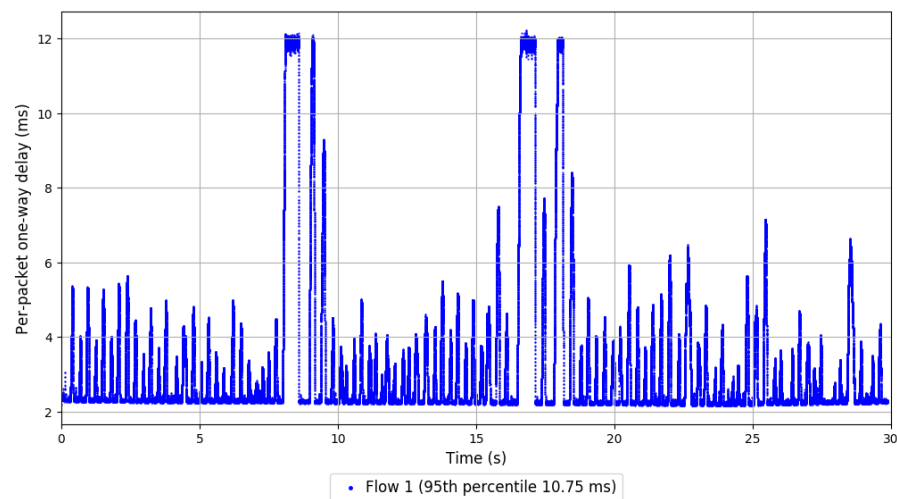
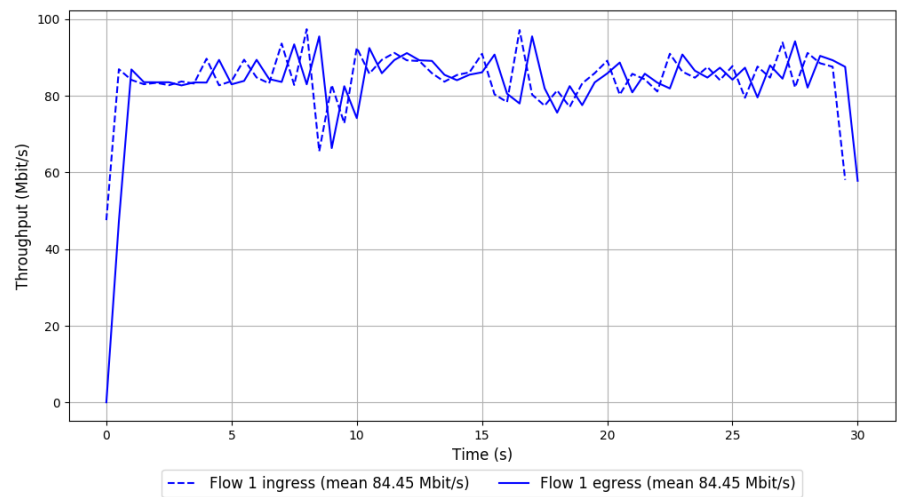


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 18:54:38
End at: 2018-08-09 18:55:08
Local clock offset: -4.192 ms
Remote clock offset: -10.093 ms

Below is generated by plot.py at 2018-08-09 20:48:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 10.747 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 10.747 ms
Loss rate: 0.02%

Run 5: Report of PCC-Expr — Data Link

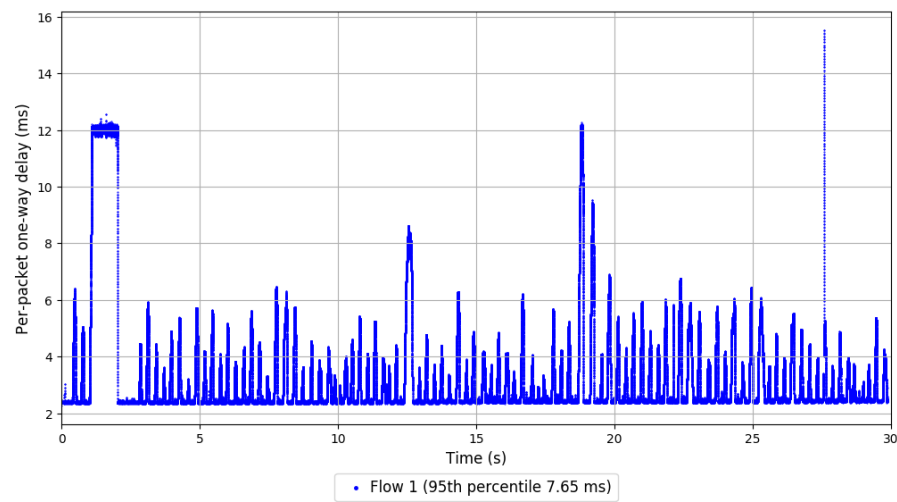
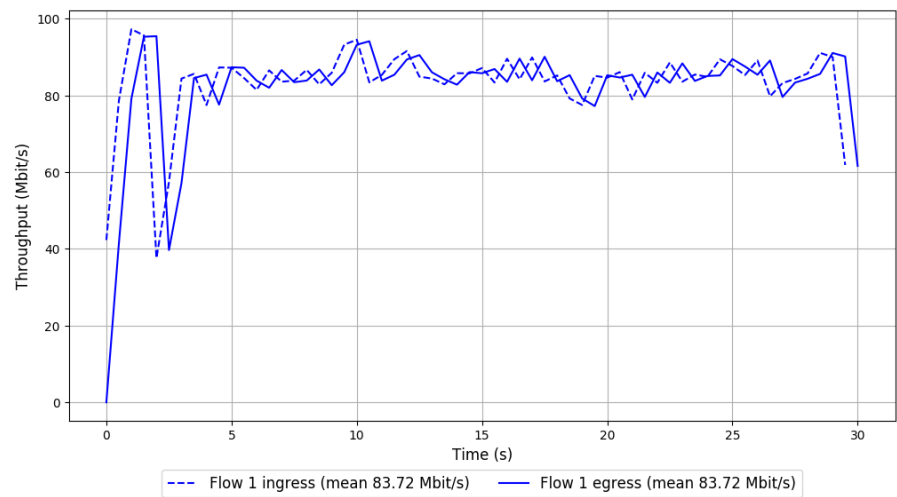


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 19:13:41
End at: 2018-08-09 19:14:11
Local clock offset: -1.914 ms
Remote clock offset: -2.316 ms

Below is generated by plot.py at 2018-08-09 20:48:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 7.651 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 7.651 ms
Loss rate: 0.02%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 19:32:43

End at: 2018-08-09 19:33:13

Local clock offset: -2.808 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-08-09 20:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 5.176 ms

Loss rate: 0.01%

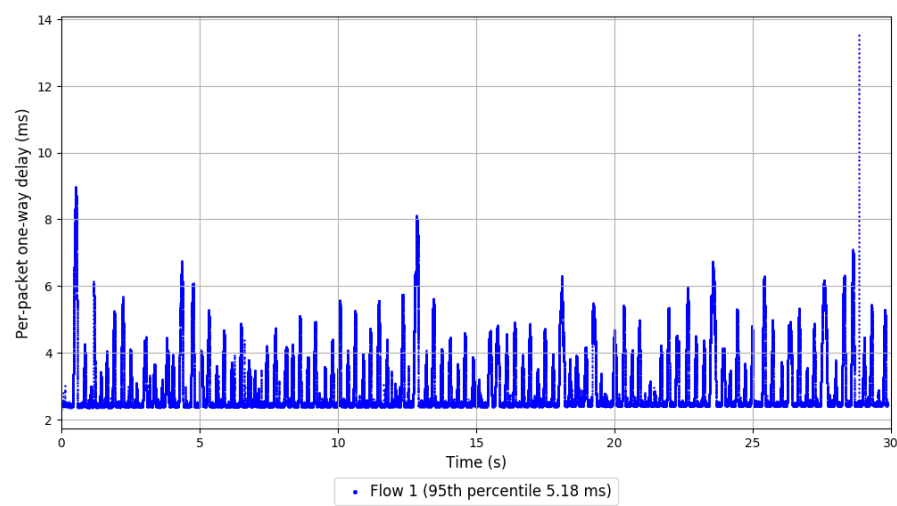
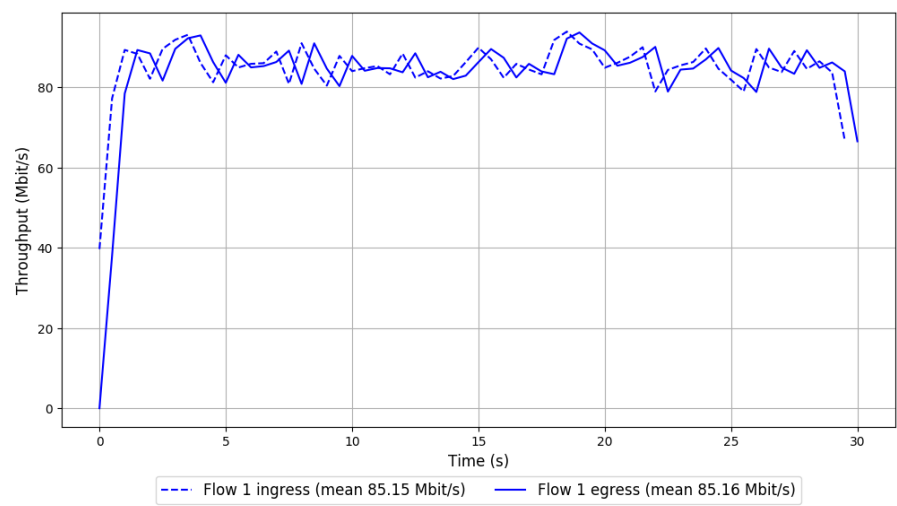
-- Flow 1:

Average throughput: 85.16 Mbit/s

95th percentile per-packet one-way delay: 5.176 ms

Loss rate: 0.01%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 19:51:46

End at: 2018-08-09 19:52:16

Local clock offset: -2.464 ms

Remote clock offset: 2.206 ms

Below is generated by plot.py at 2018-08-09 20:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 5.786 ms

Loss rate: 0.06%

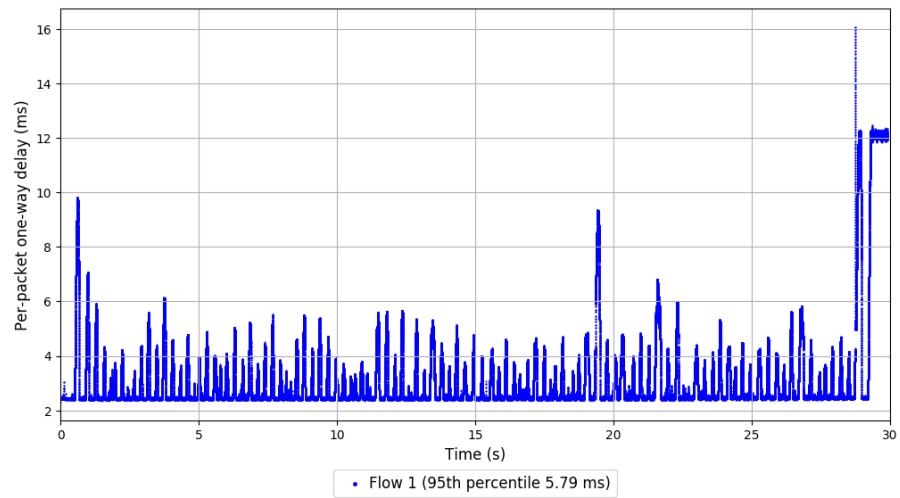
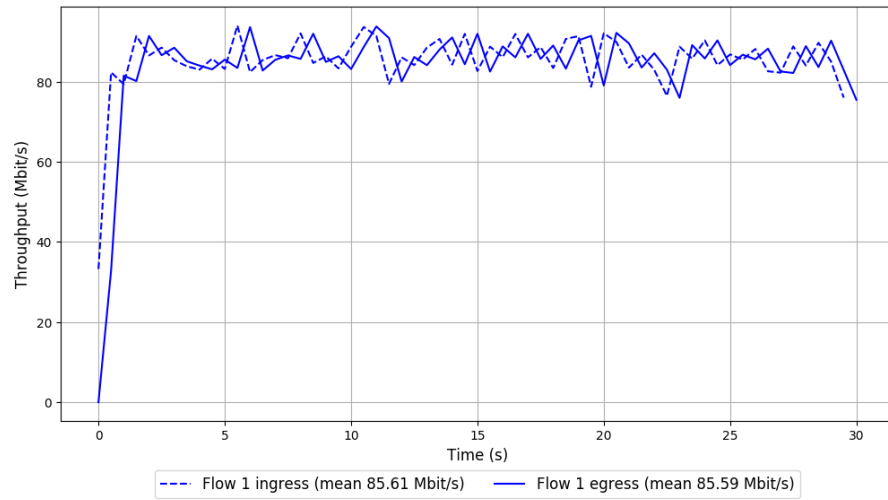
-- Flow 1:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 5.786 ms

Loss rate: 0.06%

Run 8: Report of PCC-Expr — Data Link

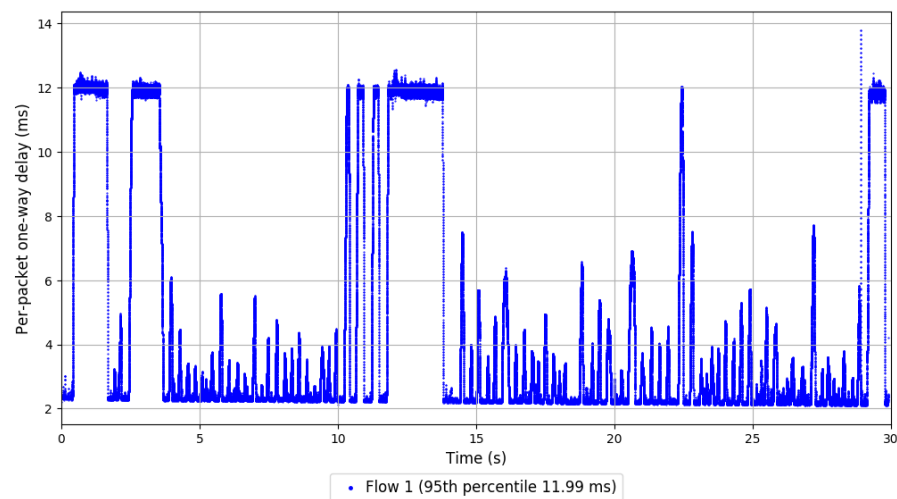
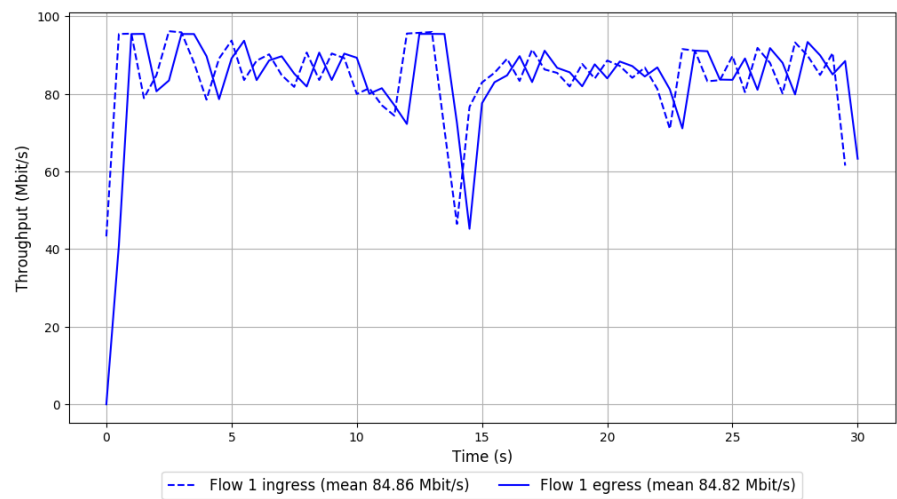


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 20:10:49
End at: 2018-08-09 20:11:19
Local clock offset: -1.913 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-08-09 20:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 11.990 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 11.990 ms
Loss rate: 0.06%

Run 9: Report of PCC-Expr — Data Link

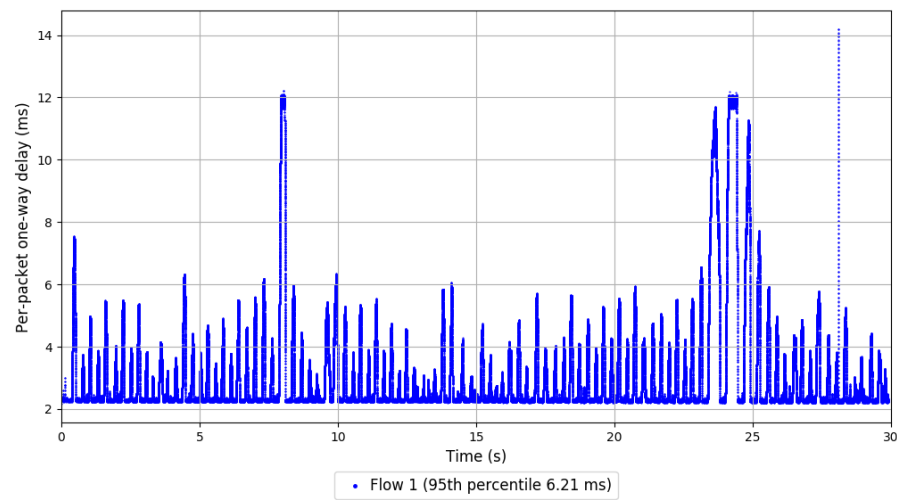
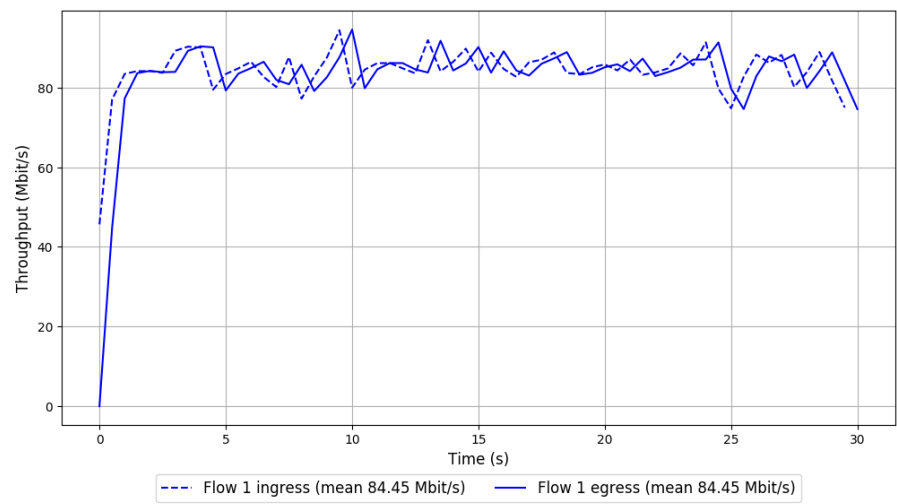


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 20:29:52
End at: 2018-08-09 20:30:22
Local clock offset: -2.414 ms
Remote clock offset: -3.385 ms

Below is generated by plot.py at 2018-08-09 20:49:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 6.214 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 6.214 ms
Loss rate: 0.02%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 17:35:04

End at: 2018-08-09 17:35:34

Local clock offset: -7.574 ms

Remote clock offset: -6.545 ms

Below is generated by plot.py at 2018-08-09 20:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 11.722 ms

Loss rate: 0.05%

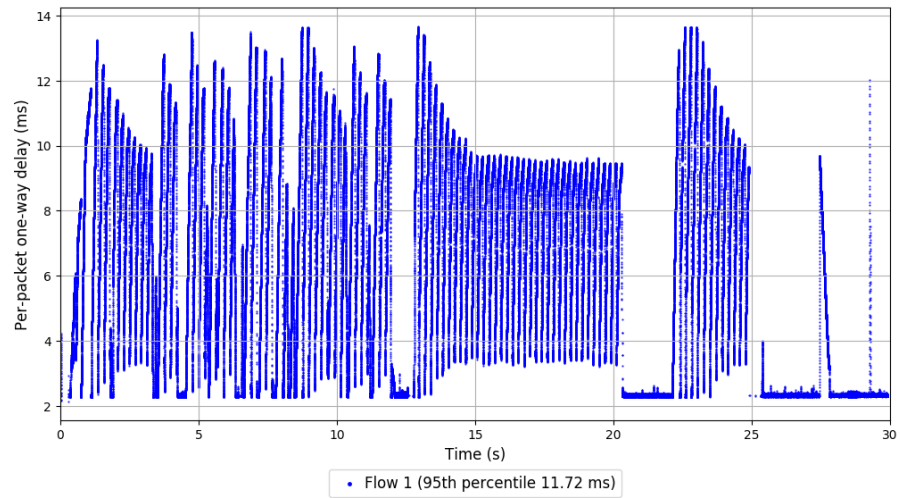
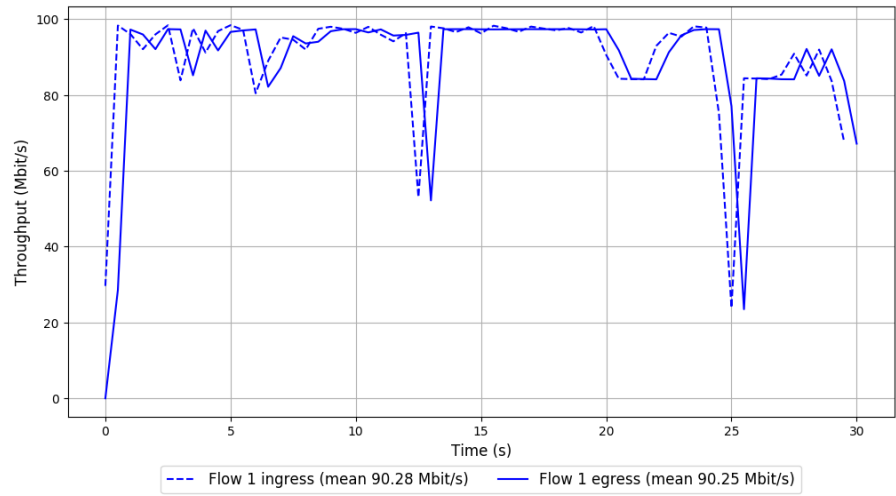
-- Flow 1:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 11.722 ms

Loss rate: 0.05%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 17:54:06

End at: 2018-08-09 17:54:36

Local clock offset: -6.982 ms

Remote clock offset: -7.878 ms

Below is generated by plot.py at 2018-08-09 20:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 11.119 ms

Loss rate: 0.04%

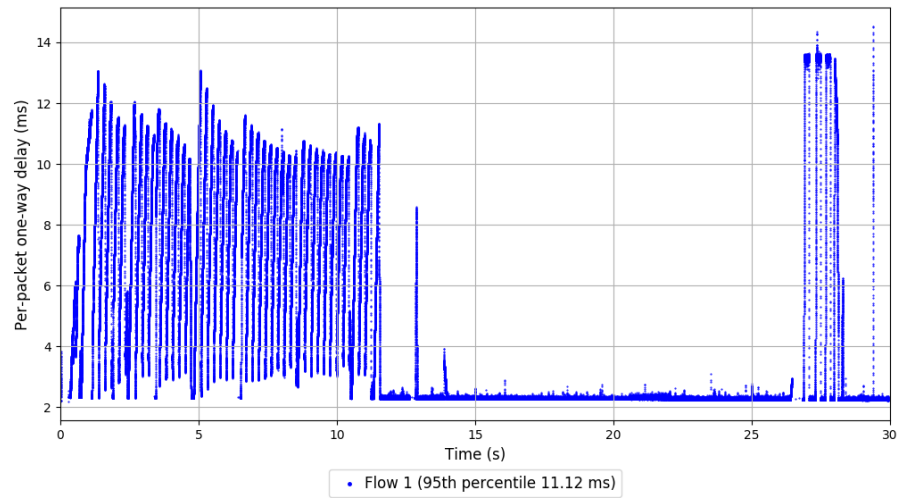
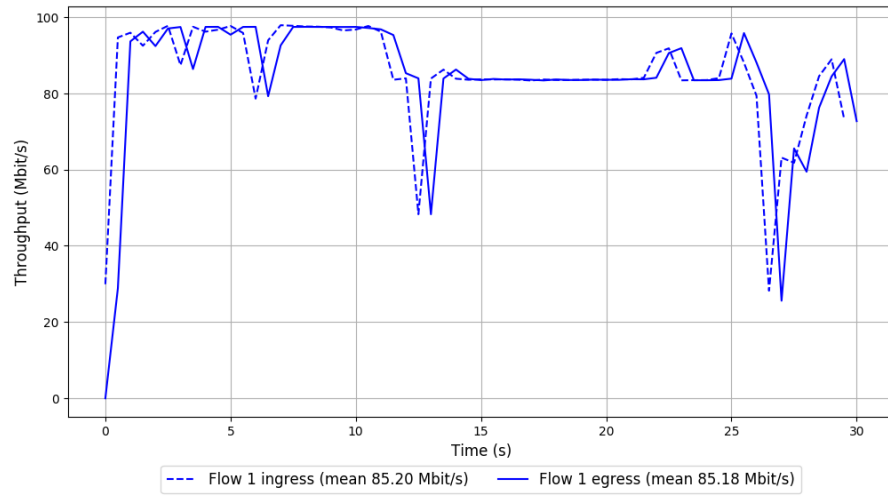
-- Flow 1:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 11.119 ms

Loss rate: 0.04%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 18:13:09

End at: 2018-08-09 18:13:39

Local clock offset: -6.49 ms

Remote clock offset: -9.123 ms

Below is generated by plot.py at 2018-08-09 20:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 2.427 ms

Loss rate: 0.02%

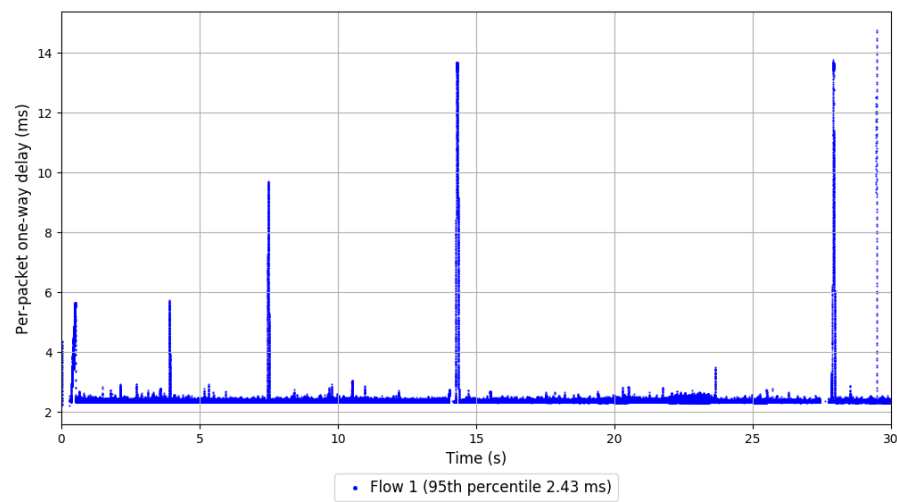
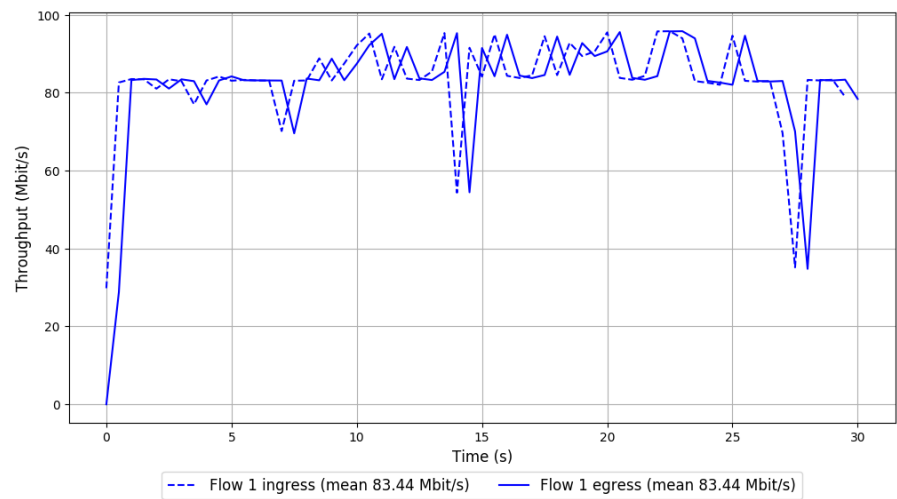
-- Flow 1:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 2.427 ms

Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link

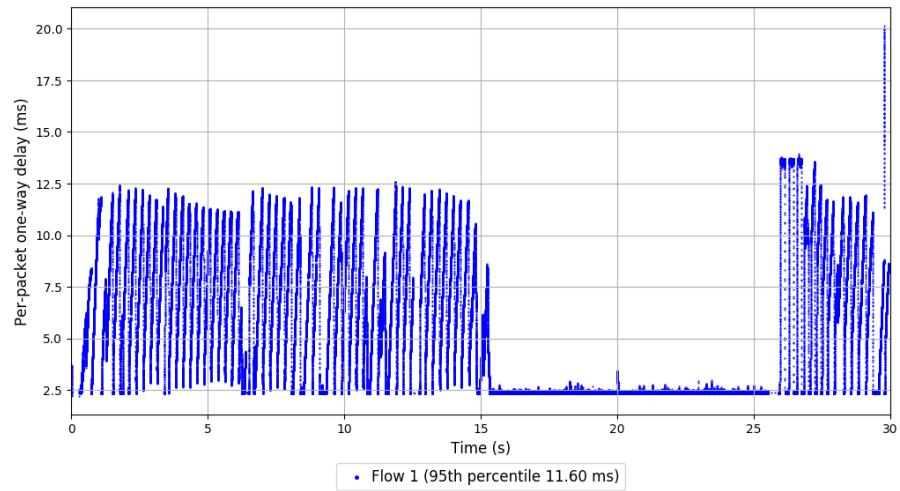
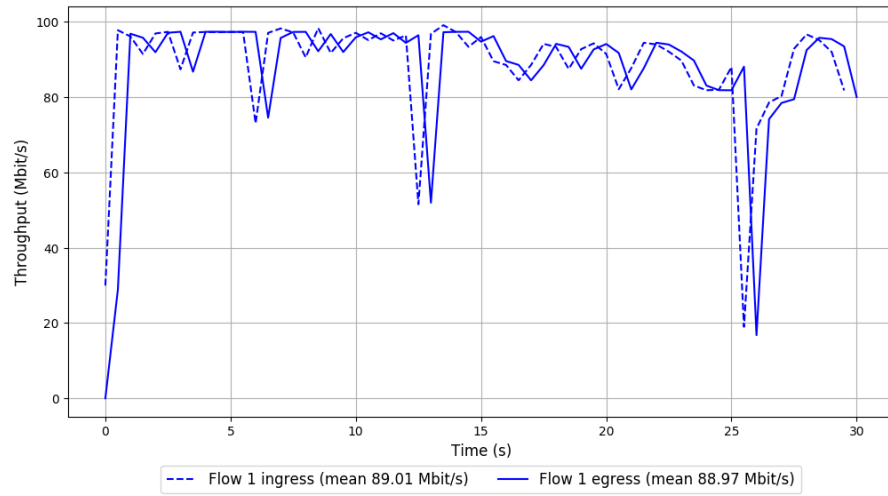


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 18:32:11
End at: 2018-08-09 18:32:41
Local clock offset: -7.305 ms
Remote clock offset: -9.599 ms

Below is generated by plot.py at 2018-08-09 20:49:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 11.596 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 11.596 ms
Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 18:51:14

End at: 2018-08-09 18:51:44

Local clock offset: -5.123 ms

Remote clock offset: -9.953 ms

Below is generated by plot.py at 2018-08-09 20:50:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 10.537 ms

Loss rate: 0.05%

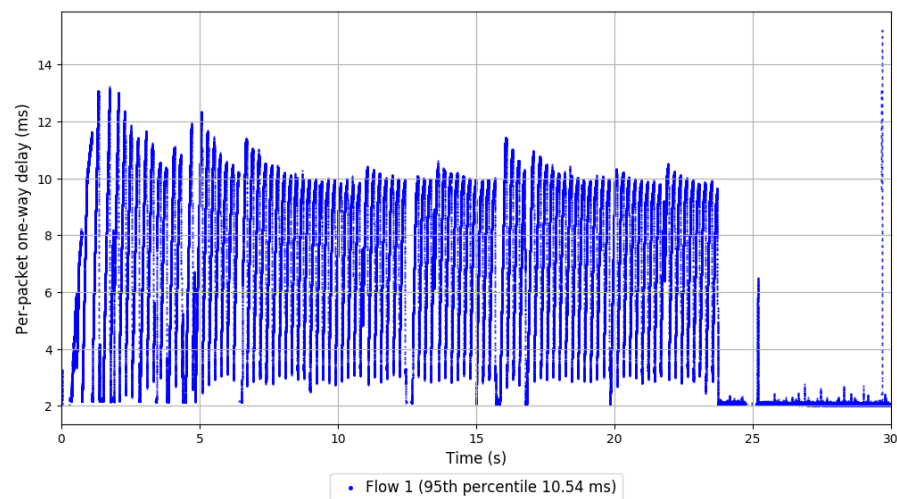
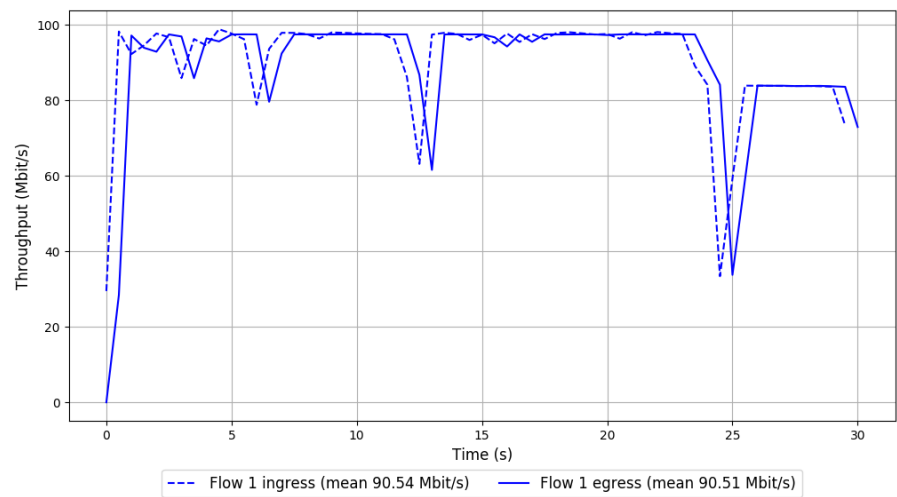
-- Flow 1:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 10.537 ms

Loss rate: 0.05%

Run 5: Report of QUIC Cubic — Data Link

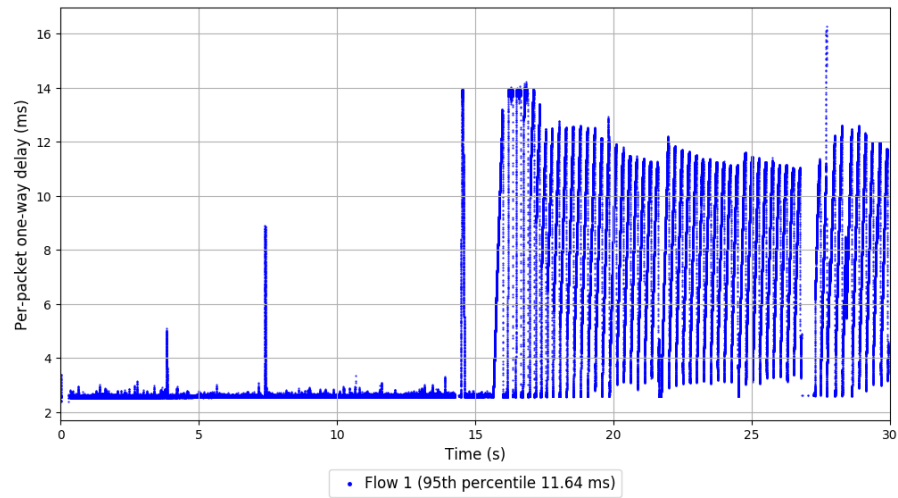
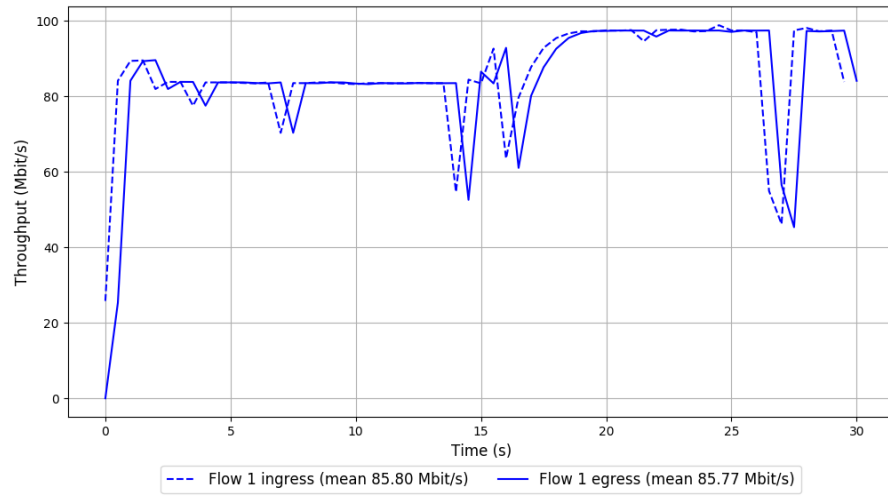


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 19:10:17
End at: 2018-08-09 19:10:47
Local clock offset: -2.139 ms
Remote clock offset: -3.206 ms

Below is generated by plot.py at 2018-08-09 20:50:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 11.644 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 11.644 ms
Loss rate: 0.05%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 19:29:19

End at: 2018-08-09 19:29:49

Local clock offset: -2.804 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-09 20:50:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 11.578 ms

Loss rate: 0.06%

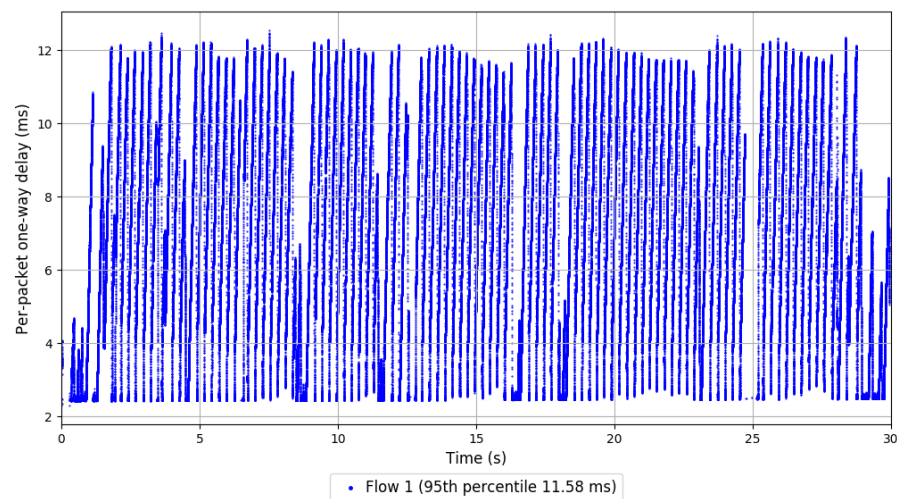
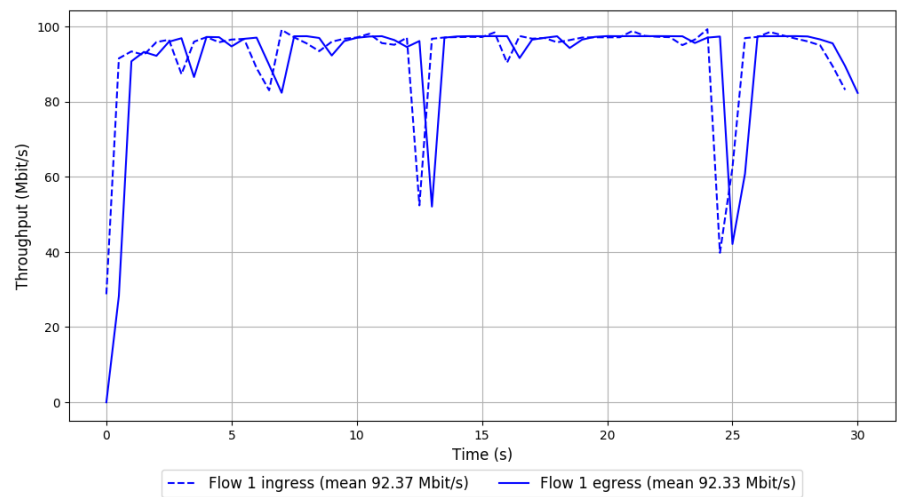
-- Flow 1:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 11.578 ms

Loss rate: 0.06%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 19:48:22

End at: 2018-08-09 19:48:52

Local clock offset: -2.547 ms

Remote clock offset: 1.844 ms

Below is generated by plot.py at 2018-08-09 20:50:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.60 Mbit/s

95th percentile per-packet one-way delay: 2.532 ms

Loss rate: 0.02%

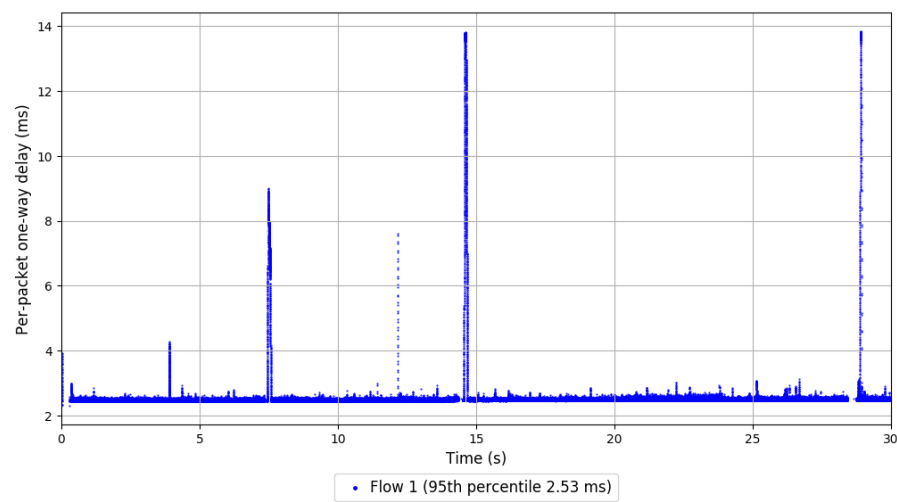
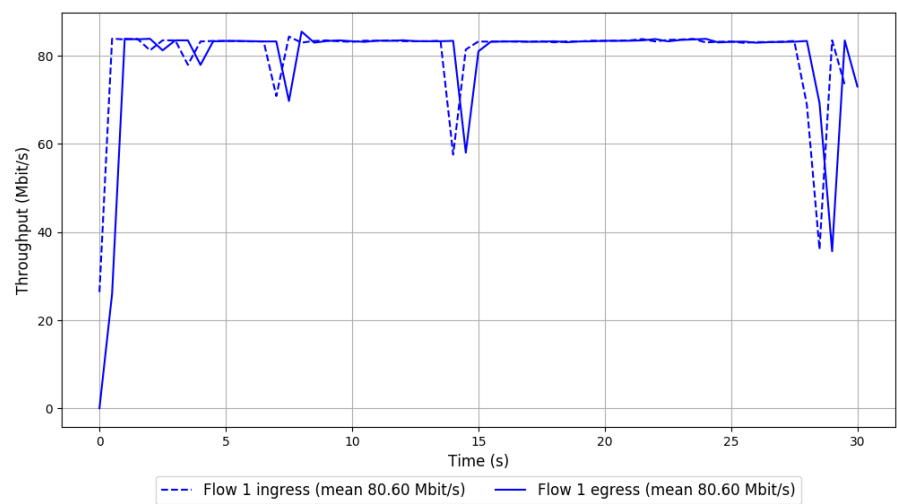
-- Flow 1:

Average throughput: 80.60 Mbit/s

95th percentile per-packet one-way delay: 2.532 ms

Loss rate: 0.02%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 20:07:25

End at: 2018-08-09 20:07:55

Local clock offset: -2.071 ms

Remote clock offset: 0.806 ms

Below is generated by plot.py at 2018-08-09 20:50:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.46 Mbit/s

95th percentile per-packet one-way delay: 6.037 ms

Loss rate: 0.02%

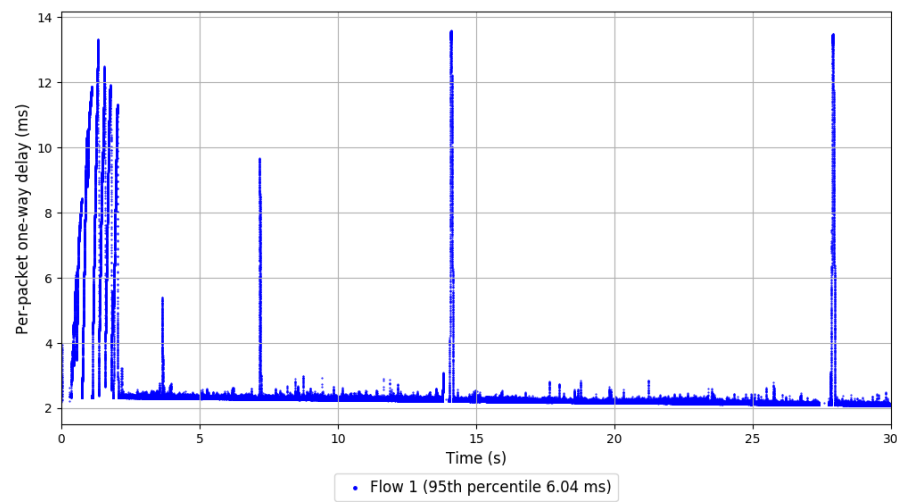
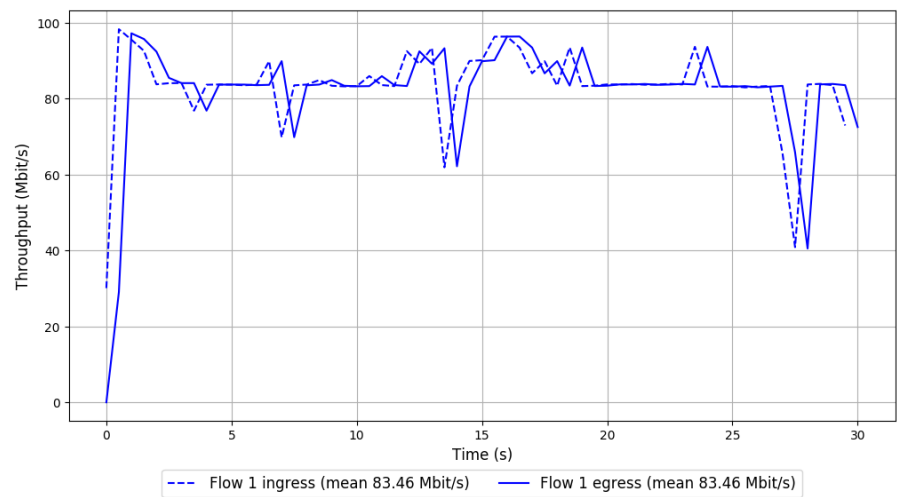
-- Flow 1:

Average throughput: 83.46 Mbit/s

95th percentile per-packet one-way delay: 6.037 ms

Loss rate: 0.02%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 20:26:28

End at: 2018-08-09 20:26:58

Local clock offset: -2.297 ms

Remote clock offset: -3.191 ms

Below is generated by plot.py at 2018-08-09 20:50:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 11.472 ms

Loss rate: 0.08%

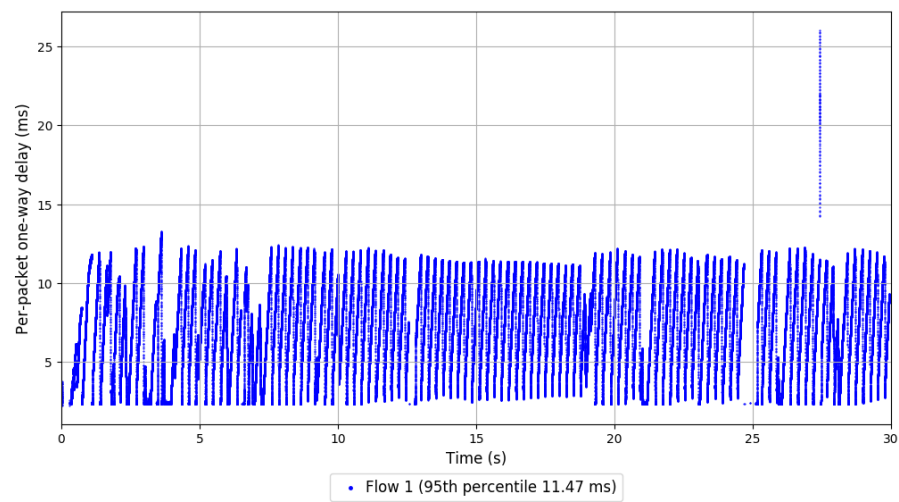
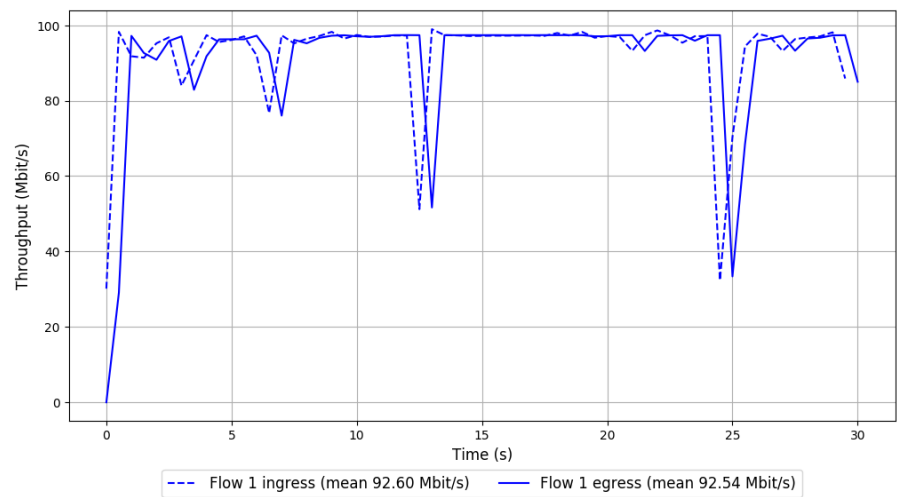
-- Flow 1:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 11.472 ms

Loss rate: 0.08%

Run 10: Report of QUIC Cubic — Data Link

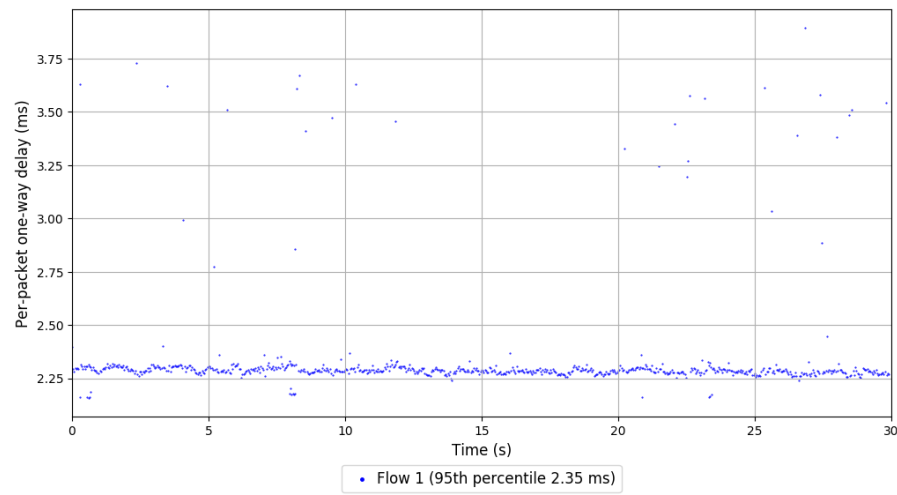
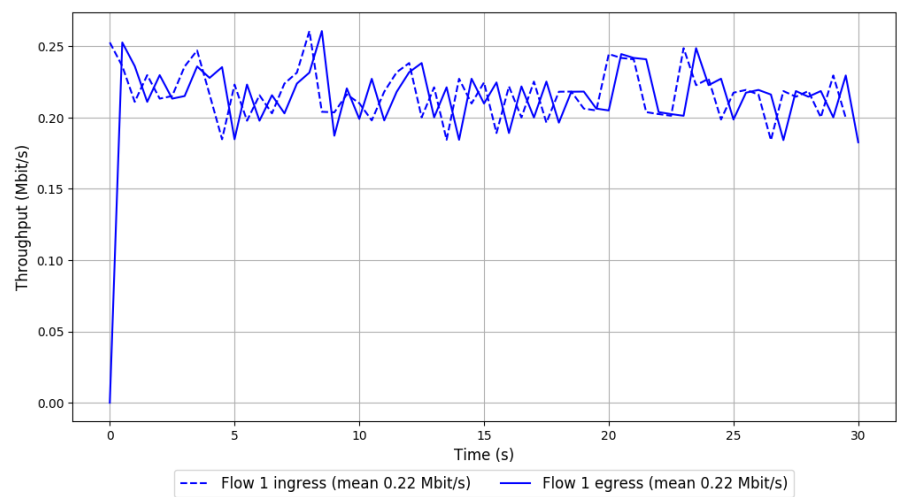


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 17:26:12
End at: 2018-08-09 17:26:42
Local clock offset: -7.737 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-08-09 20:50:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

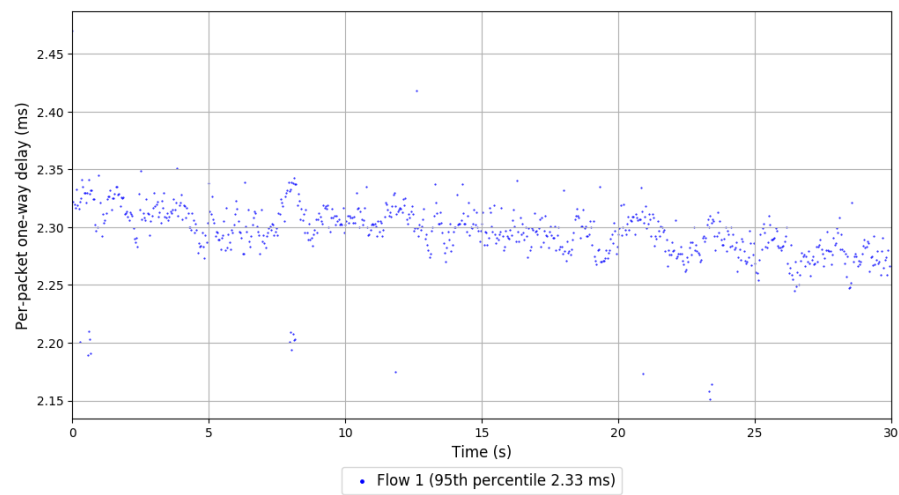
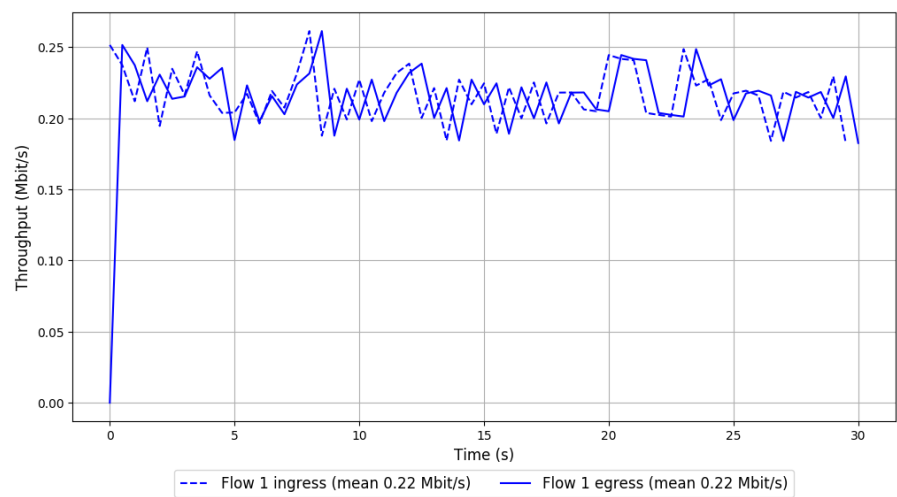


Run 2: Statistics of SCReAM

Start at: 2018-08-09 17:45:12
End at: 2018-08-09 17:45:42
Local clock offset: -7.619 ms
Remote clock offset: -6.389 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

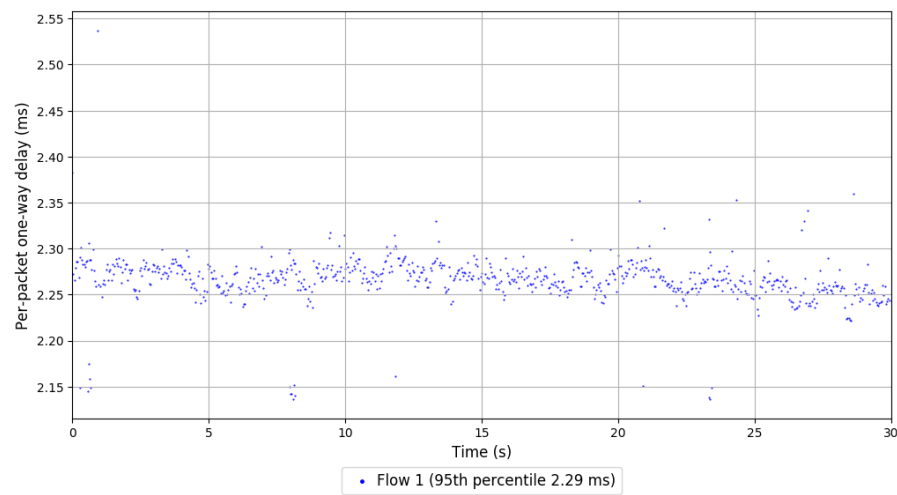
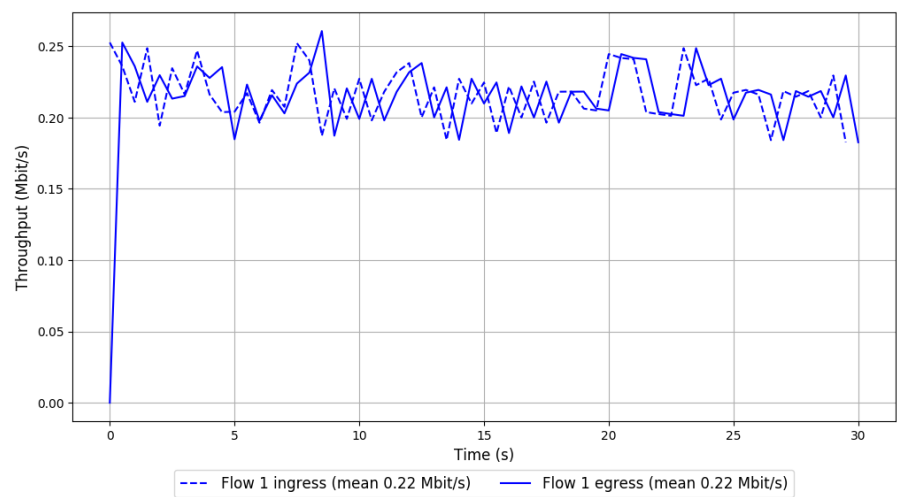


Run 3: Statistics of SCReAM

Start at: 2018-08-09 18:04:14
End at: 2018-08-09 18:04:44
Local clock offset: -6.734 ms
Remote clock offset: -8.776 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.293 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

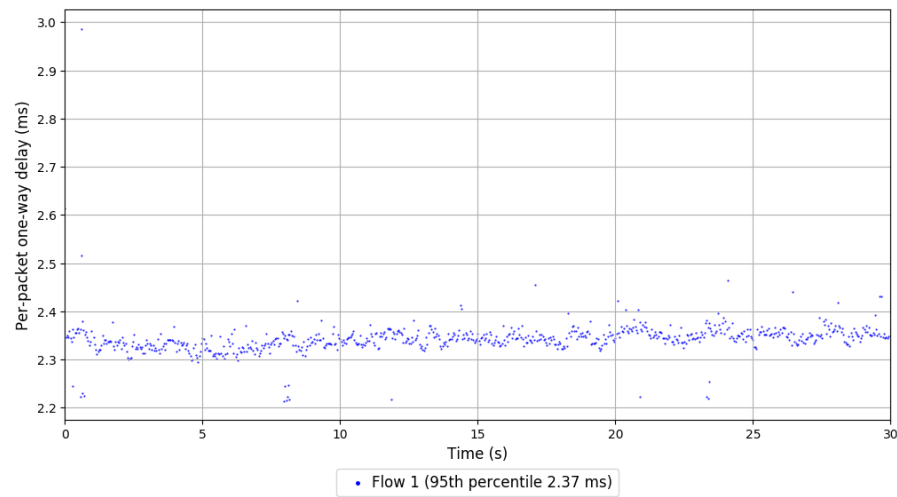
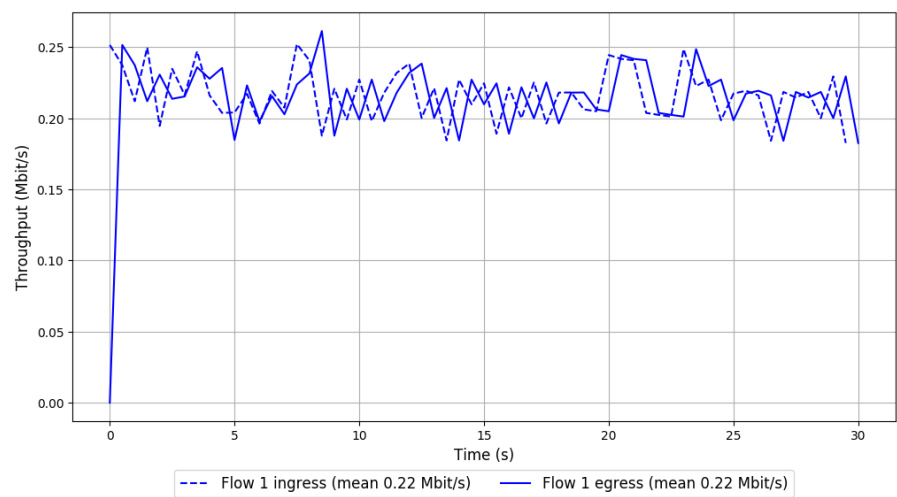


Run 4: Statistics of SCReAM

Start at: 2018-08-09 18:23:17
End at: 2018-08-09 18:23:47
Local clock offset: -7.026 ms
Remote clock offset: -9.368 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

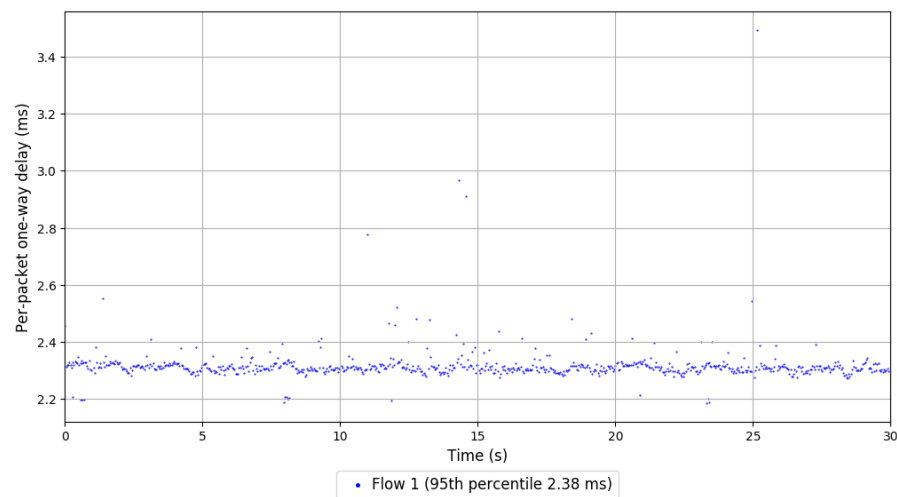
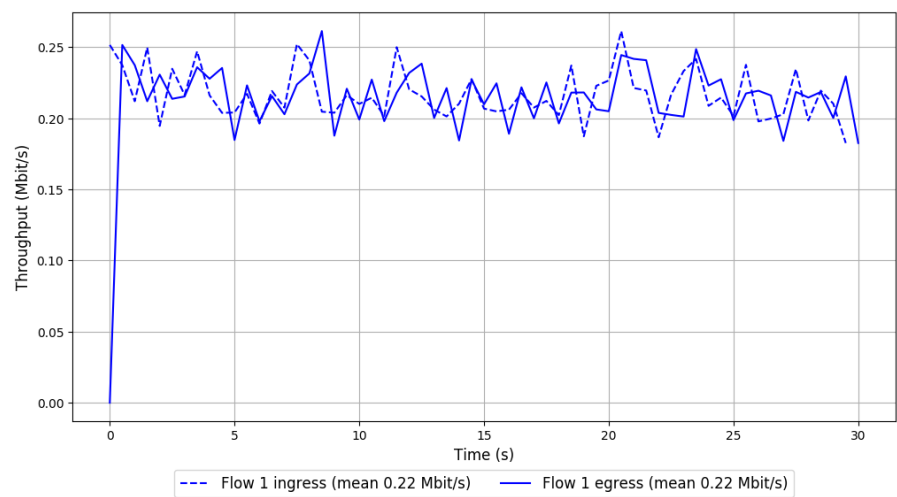


Run 5: Statistics of SCReAM

Start at: 2018-08-09 18:42:20
End at: 2018-08-09 18:42:50
Local clock offset: -7.438 ms
Remote clock offset: -9.792 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

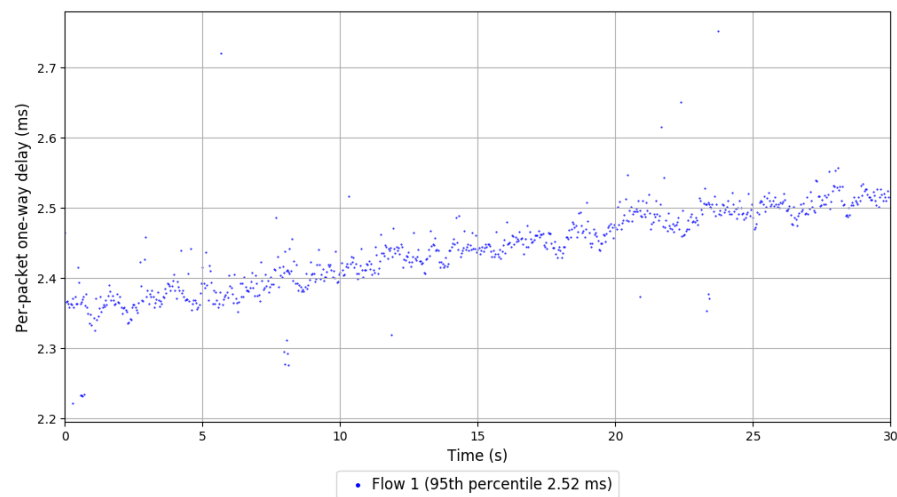
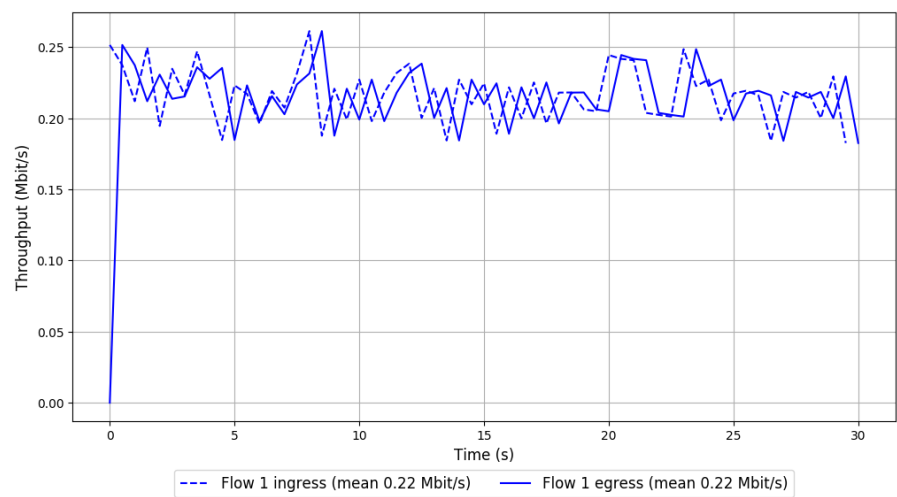


Run 6: Statistics of SCReAM

Start at: 2018-08-09 19:01:23
End at: 2018-08-09 19:01:53
Local clock offset: -2.995 ms
Remote clock offset: -6.013 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

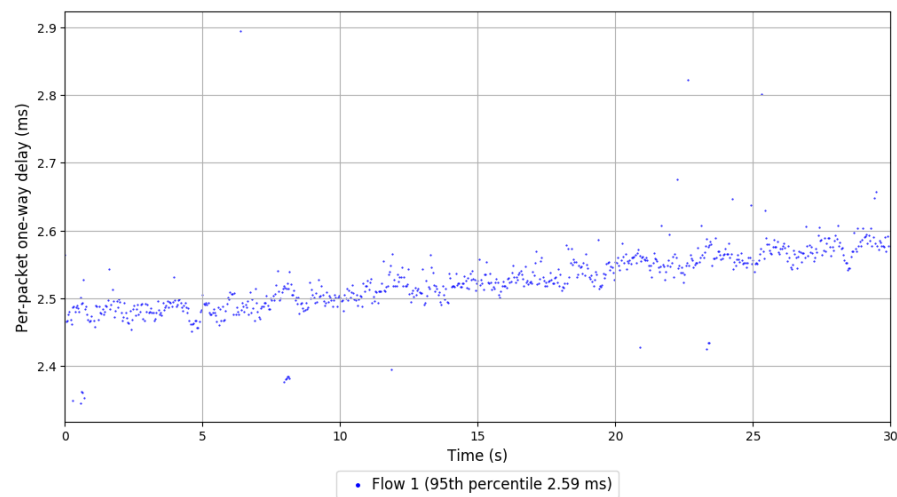
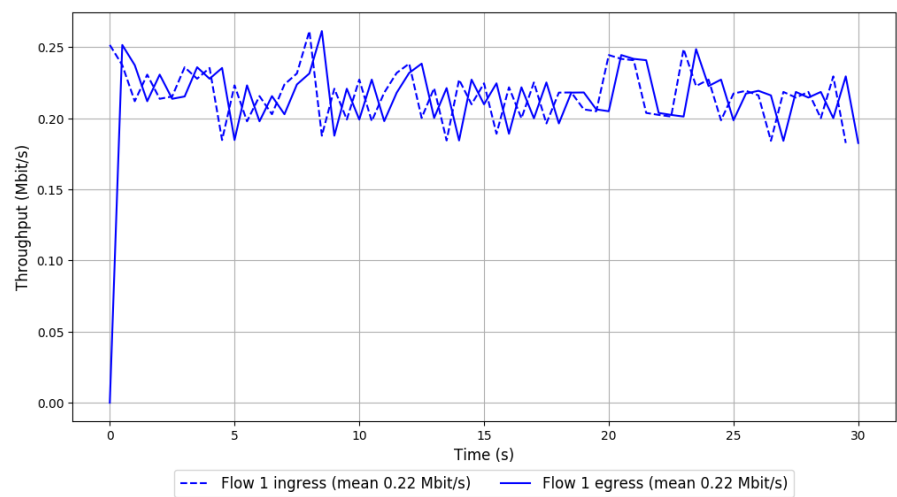


Run 7: Statistics of SCReAM

Start at: 2018-08-09 19:20:25
End at: 2018-08-09 19:20:55
Local clock offset: -2.439 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-09 19:39:28

End at: 2018-08-09 19:39:58

Local clock offset: -2.738 ms

Remote clock offset: 1.019 ms

Below is generated by plot.py at 2018-08-09 20:50:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.420 ms

Loss rate: 0.00%

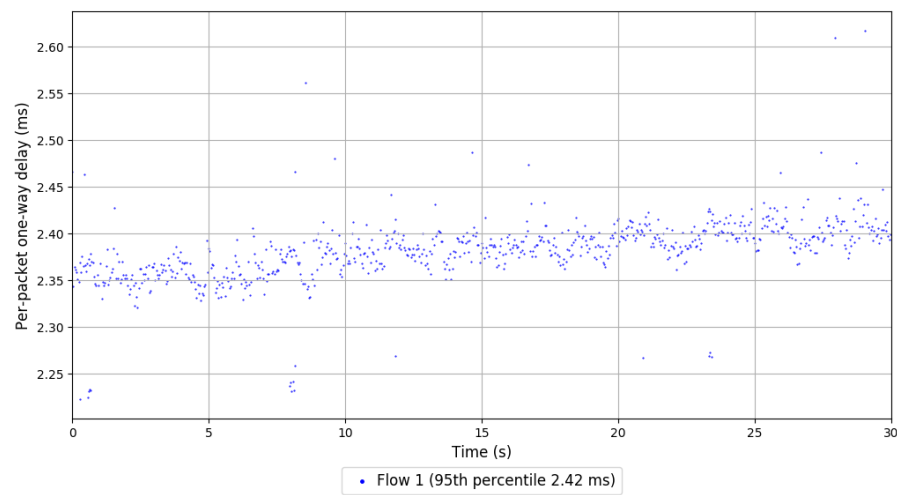
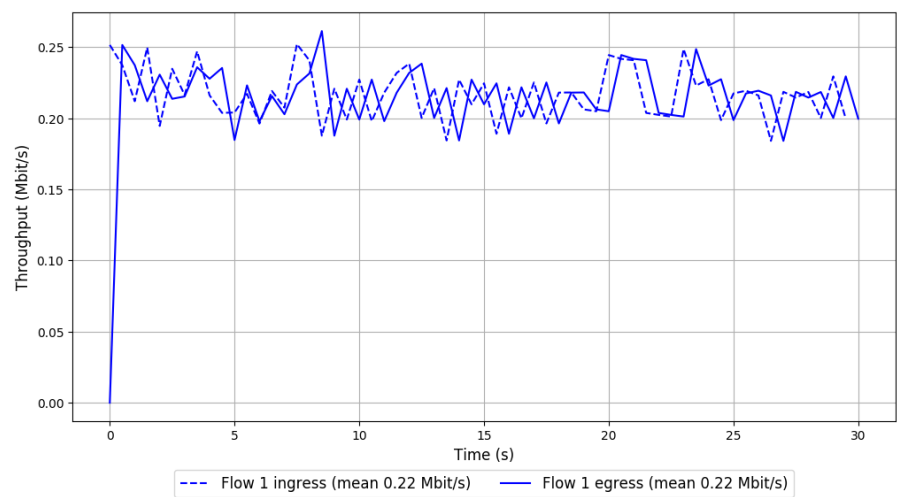
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.420 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-09 19:58:30

End at: 2018-08-09 19:59:00

Local clock offset: -2.34 ms

Remote clock offset: 2.896 ms

Below is generated by plot.py at 2018-08-09 20:50:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.414 ms

Loss rate: 0.00%

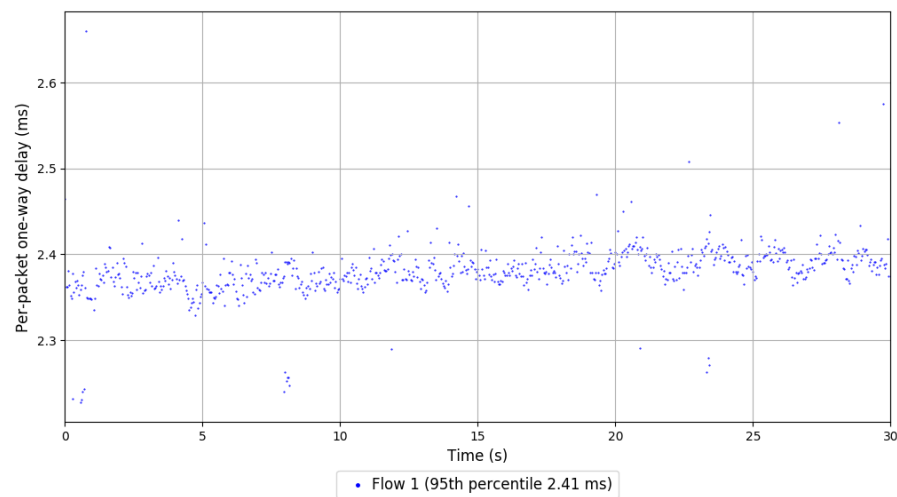
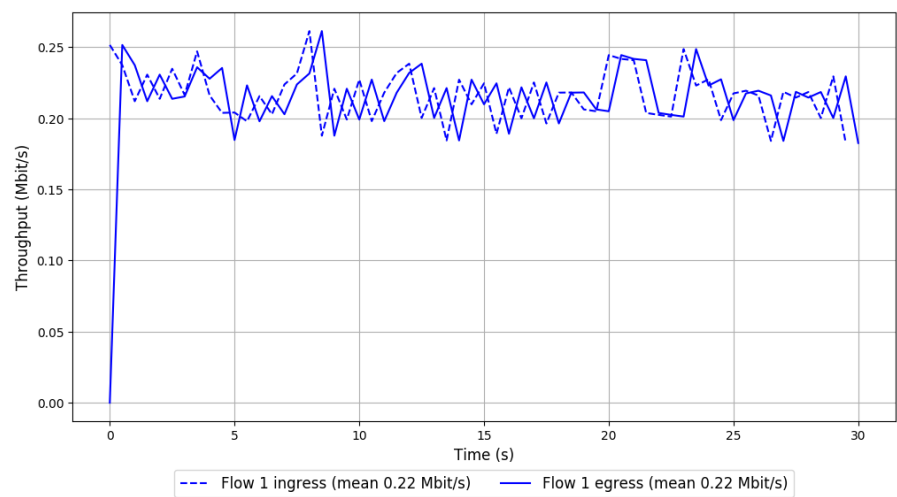
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.414 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

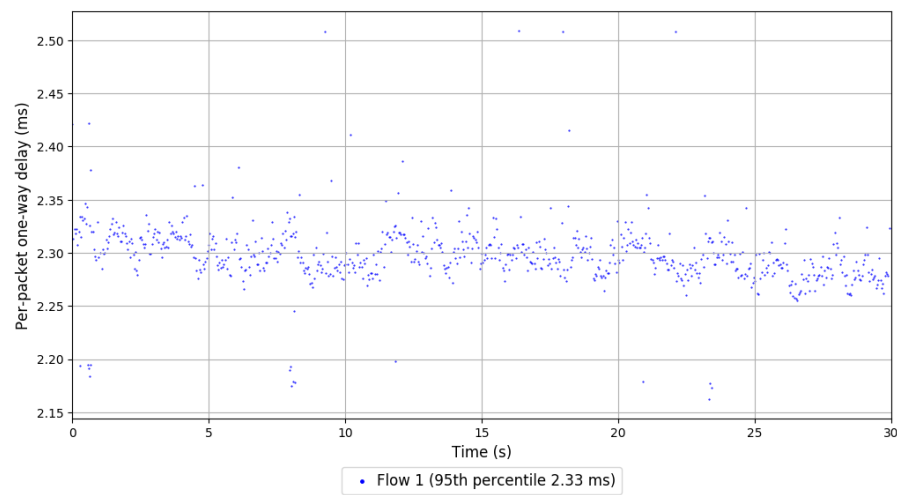
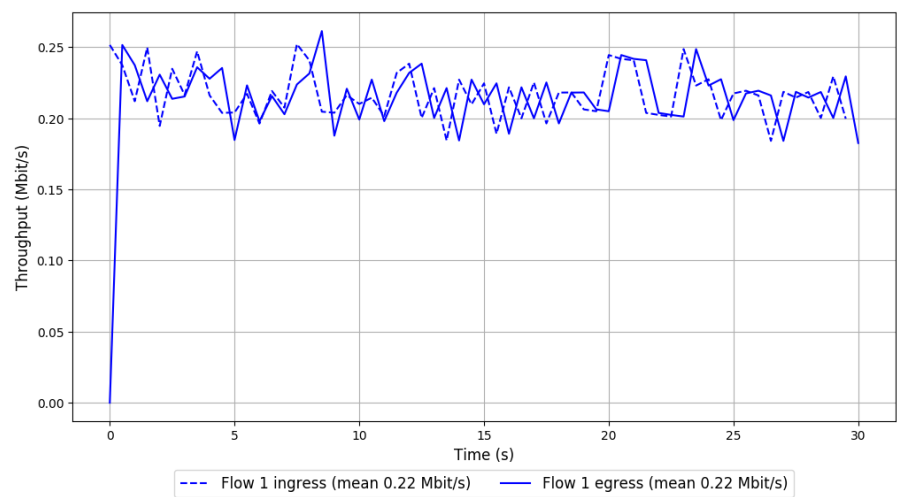


Run 10: Statistics of SReAM

Start at: 2018-08-09 20:17:33
End at: 2018-08-09 20:18:03
Local clock offset: -2.015 ms
Remote clock offset: -2.184 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

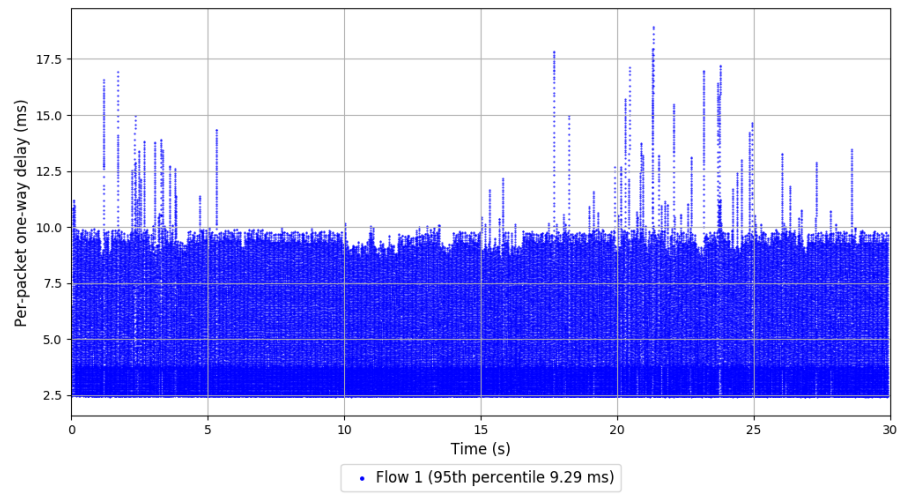
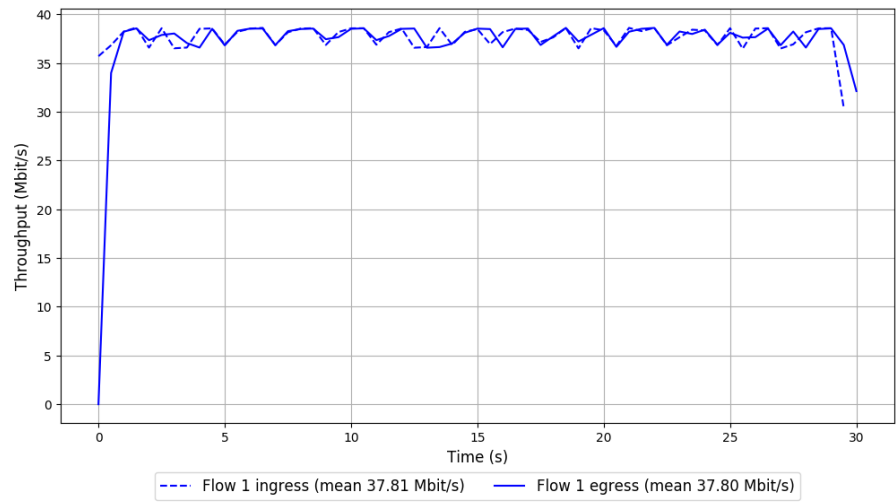


Run 1: Statistics of Sprout

Start at: 2018-08-09 17:25:07
End at: 2018-08-09 17:25:37
Local clock offset: -7.812 ms
Remote clock offset: -6.832 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 9.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 9.292 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

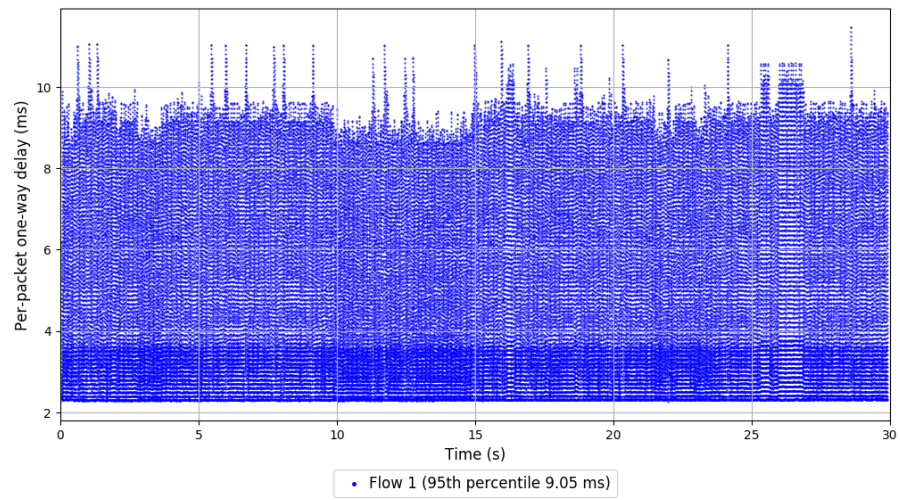
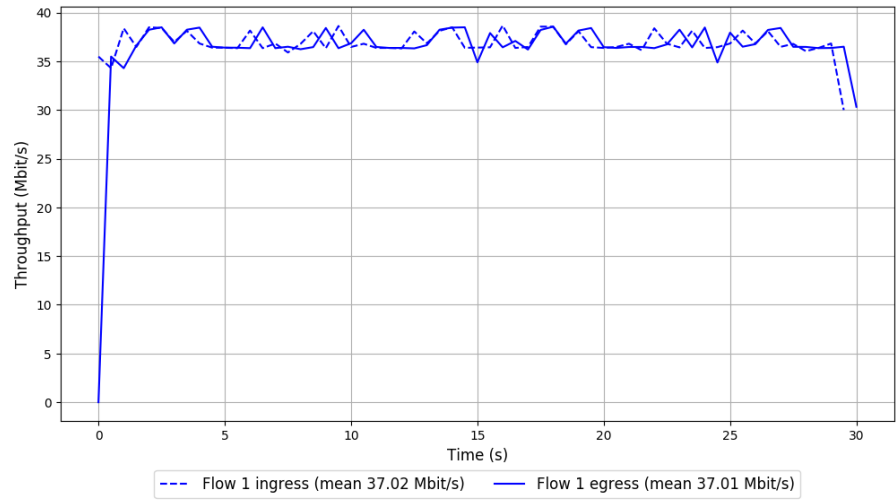


Run 2: Statistics of Sprout

Start at: 2018-08-09 17:44:06
End at: 2018-08-09 17:44:36
Local clock offset: -7.65 ms
Remote clock offset: -6.416 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 9.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 9.048 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

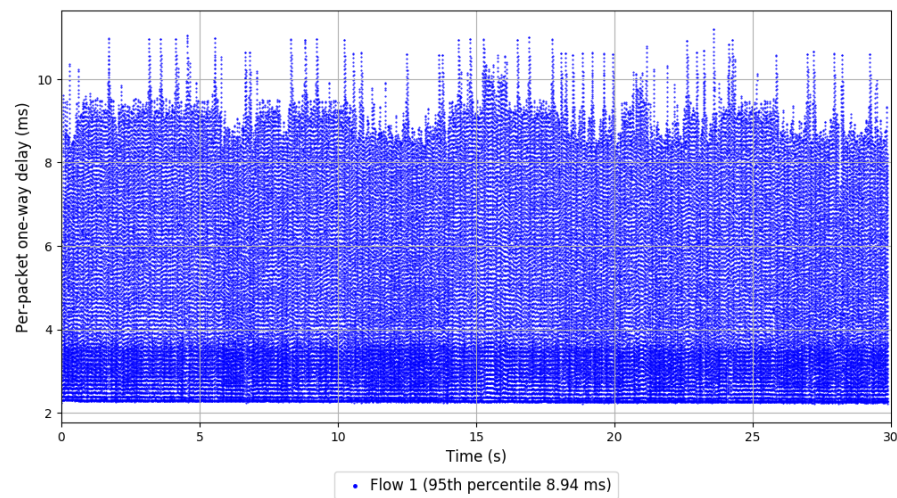
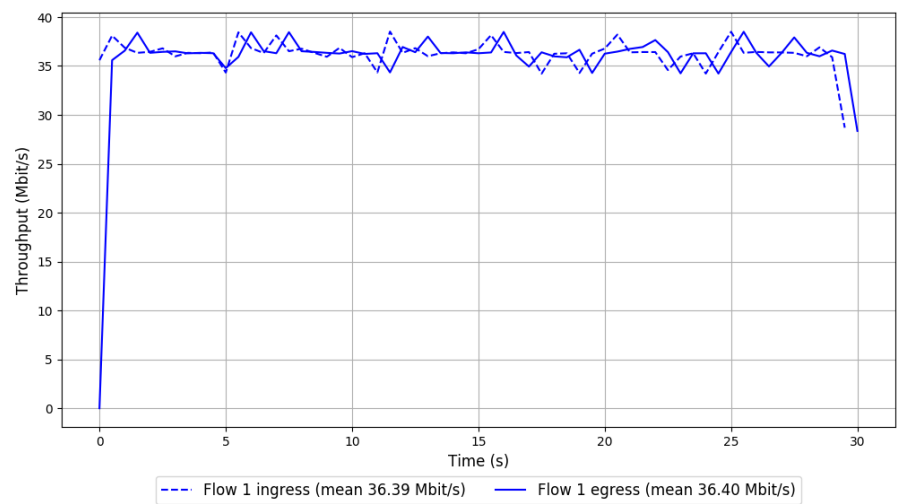


Run 3: Statistics of Sprout

Start at: 2018-08-09 18:03:09
End at: 2018-08-09 18:03:39
Local clock offset: -6.72 ms
Remote clock offset: -8.677 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 8.943 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 8.943 ms
Loss rate: 0.02%

Run 3: Report of Sprout — Data Link

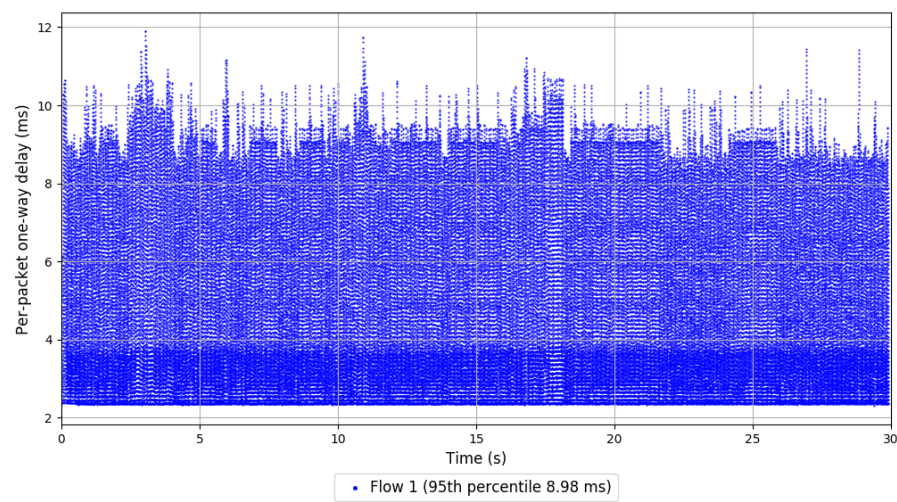
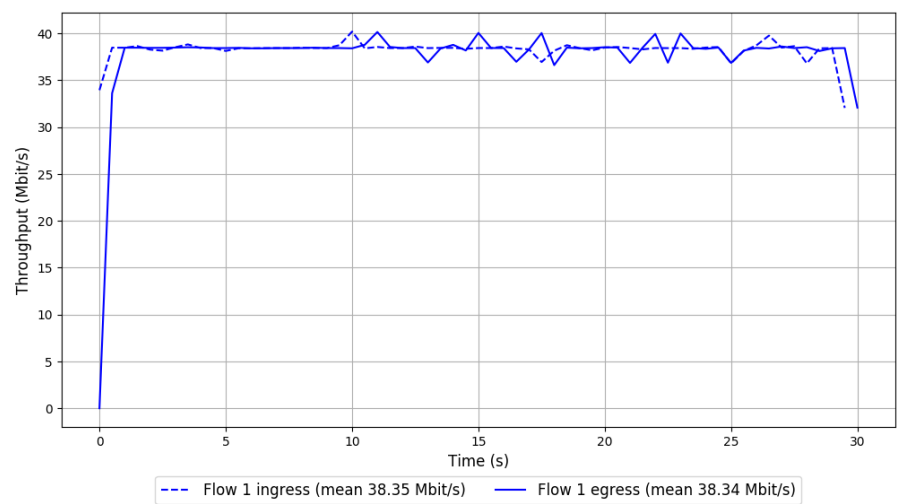


Run 4: Statistics of Sprout

Start at: 2018-08-09 18:22:11
End at: 2018-08-09 18:22:41
Local clock offset: -6.994 ms
Remote clock offset: -9.351 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 8.977 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 8.977 ms
Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

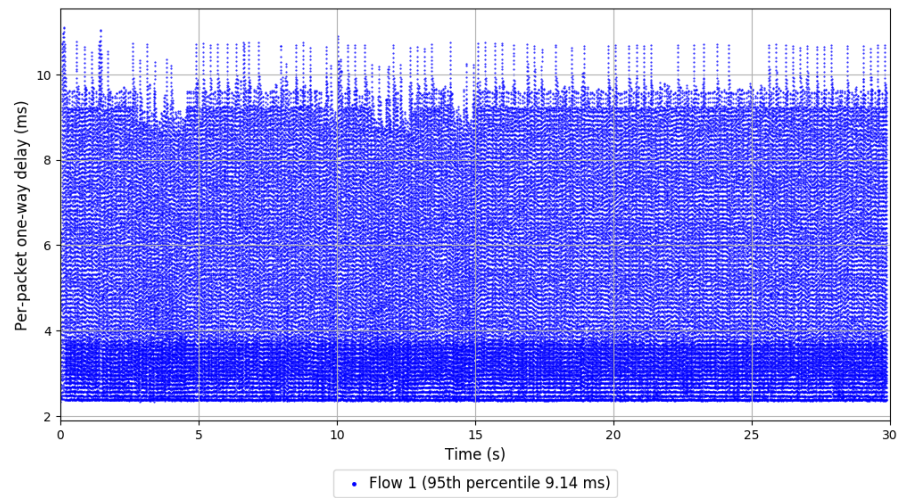
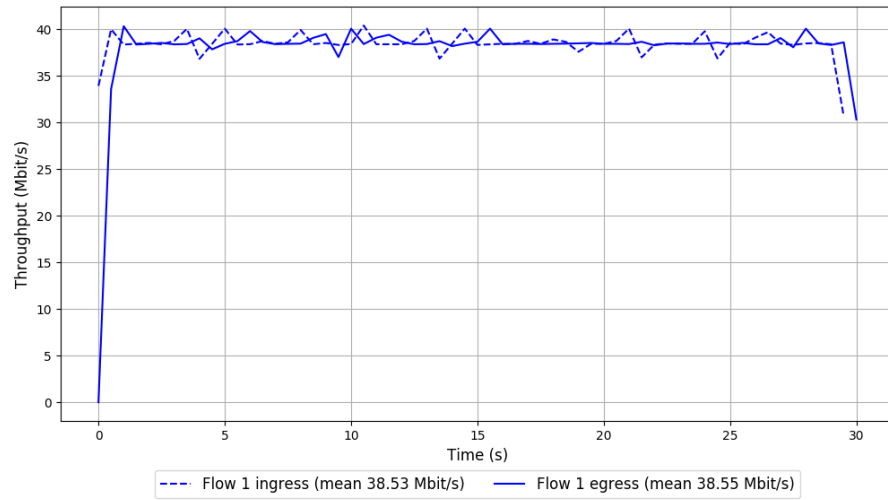


Run 5: Statistics of Sprout

Start at: 2018-08-09 18:41:14
End at: 2018-08-09 18:41:44
Local clock offset: -7.405 ms
Remote clock offset: -9.799 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 9.143 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 9.143 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

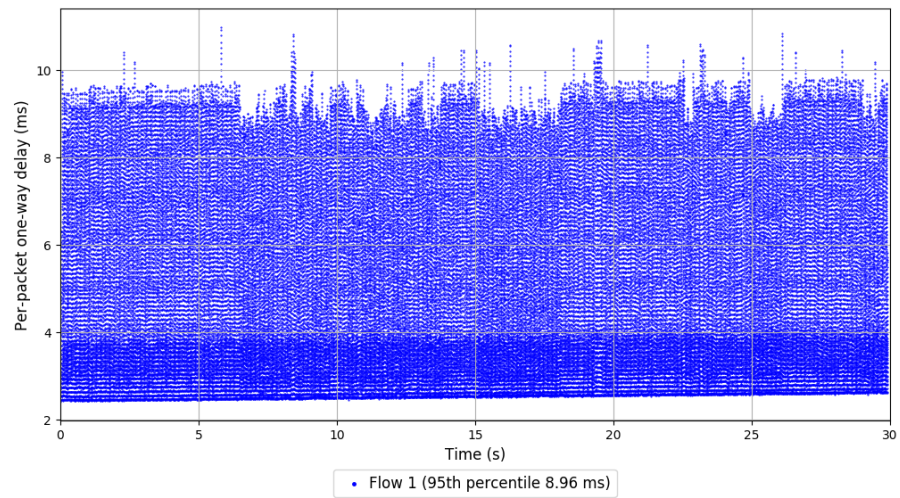
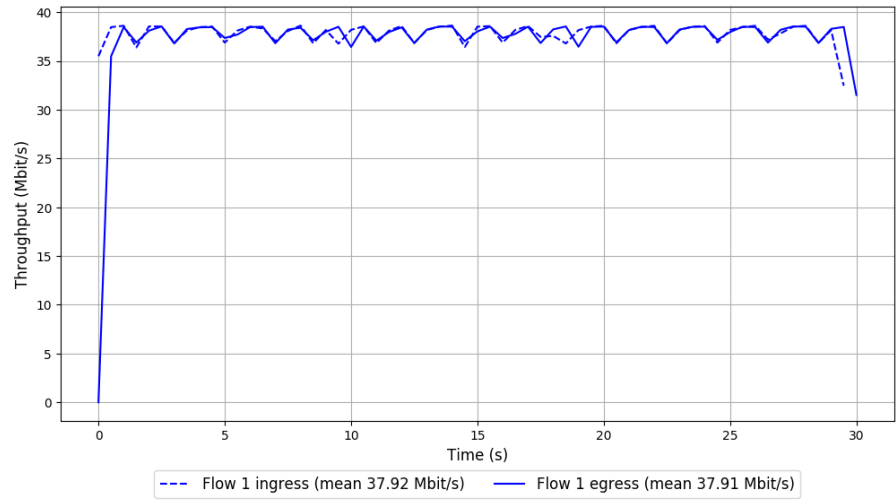


Run 6: Statistics of Sprout

Start at: 2018-08-09 19:00:17
End at: 2018-08-09 19:00:47
Local clock offset: -3.143 ms
Remote clock offset: -6.621 ms

Below is generated by plot.py at 2018-08-09 20:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 8.961 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 8.961 ms
Loss rate: 0.04%

Run 6: Report of Sprout — Data Link

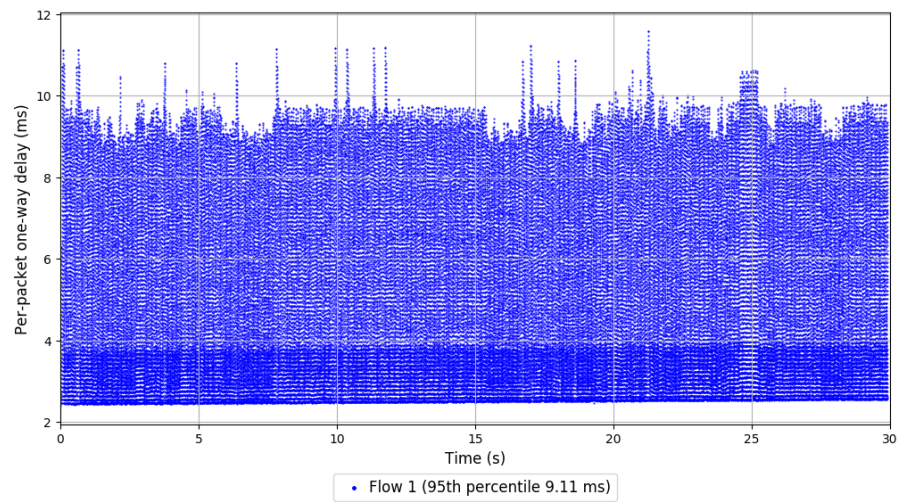
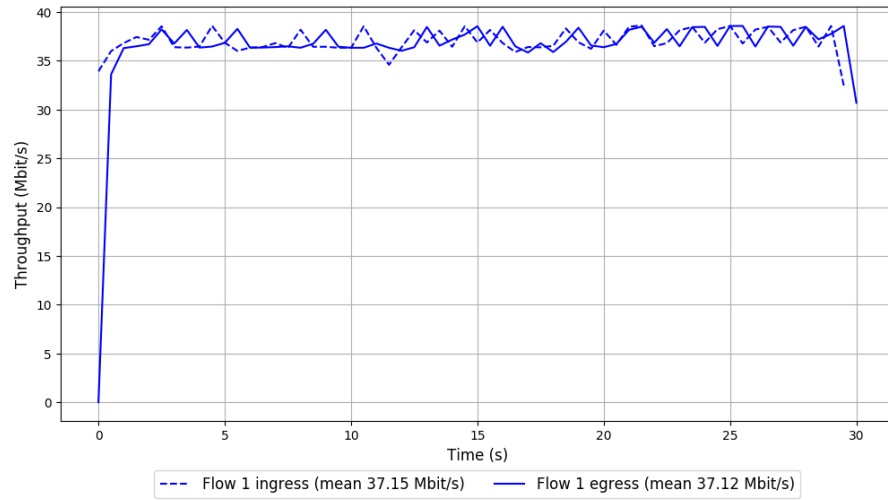


Run 7: Statistics of Sprout

Start at: 2018-08-09 19:19:19
End at: 2018-08-09 19:19:49
Local clock offset: -2.342 ms
Remote clock offset: -1.37 ms

Below is generated by plot.py at 2018-08-09 20:50:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 9.114 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 9.114 ms
Loss rate: 0.08%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 19:38:22

End at: 2018-08-09 19:38:52

Local clock offset: -2.745 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2018-08-09 20:51:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 9.040 ms

Loss rate: 0.01%

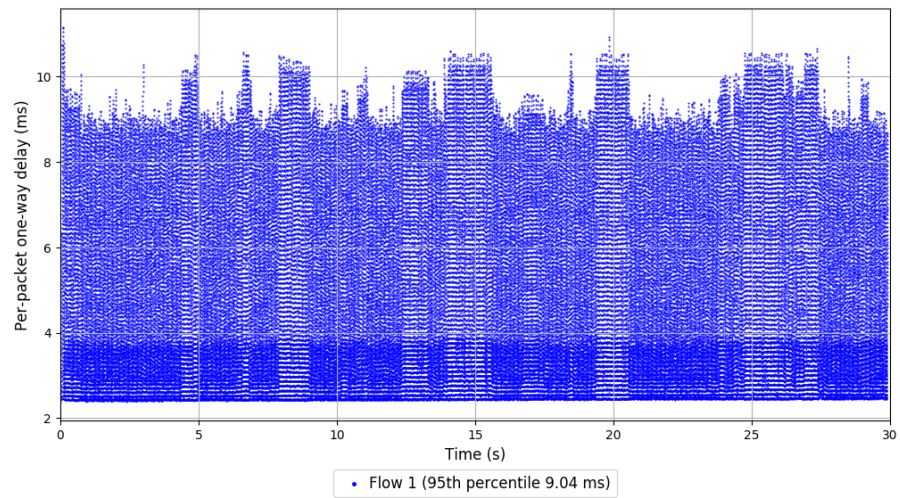
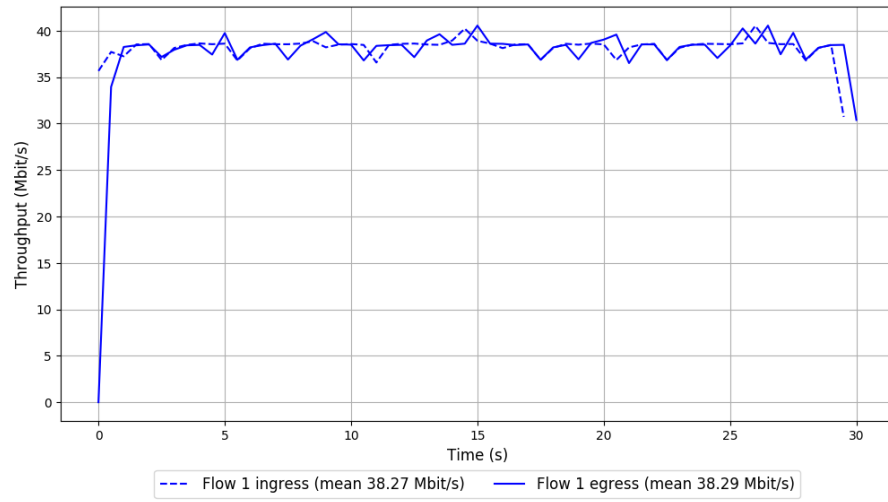
-- Flow 1:

Average throughput: 38.29 Mbit/s

95th percentile per-packet one-way delay: 9.040 ms

Loss rate: 0.01%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-09 19:57:25

End at: 2018-08-09 19:57:55

Local clock offset: -2.301 ms

Remote clock offset: 2.81 ms

Below is generated by plot.py at 2018-08-09 20:51:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 9.196 ms

Loss rate: 0.02%

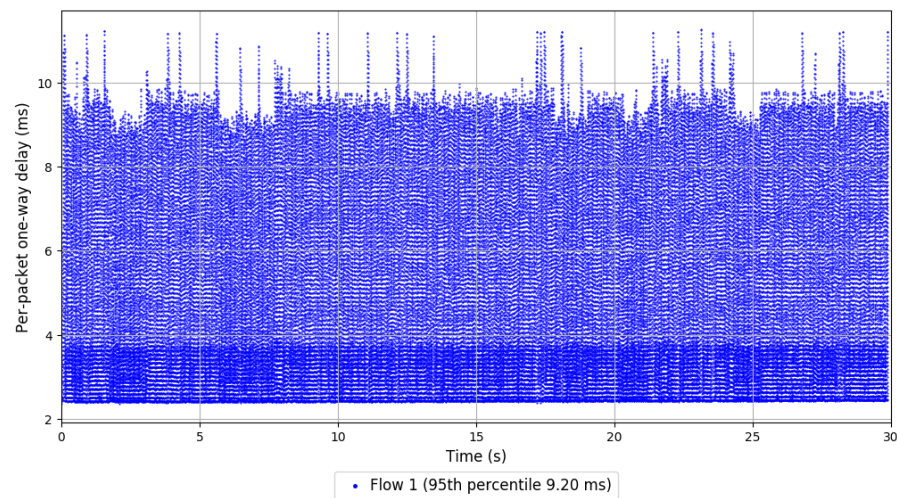
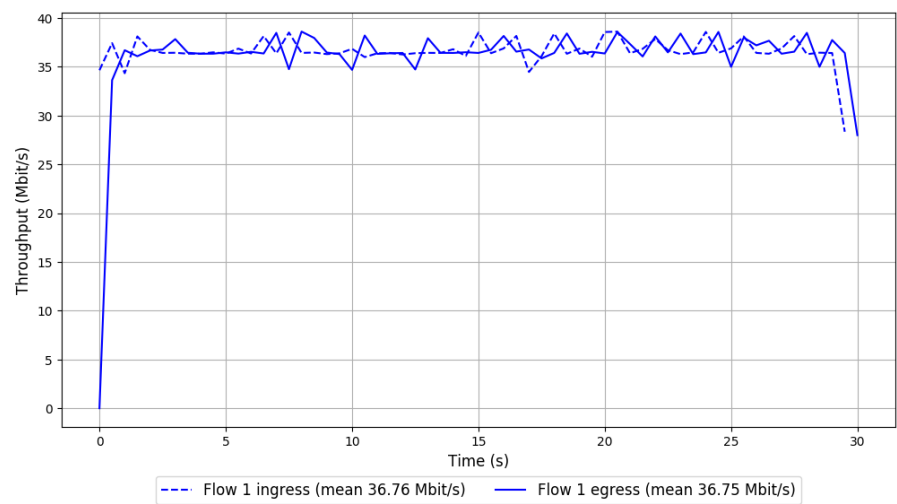
-- Flow 1:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 9.196 ms

Loss rate: 0.02%

Run 9: Report of Sprout — Data Link

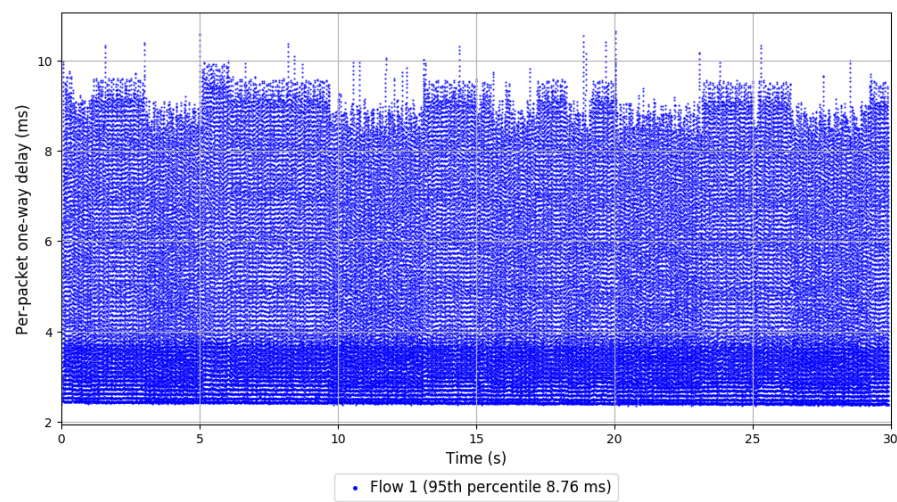
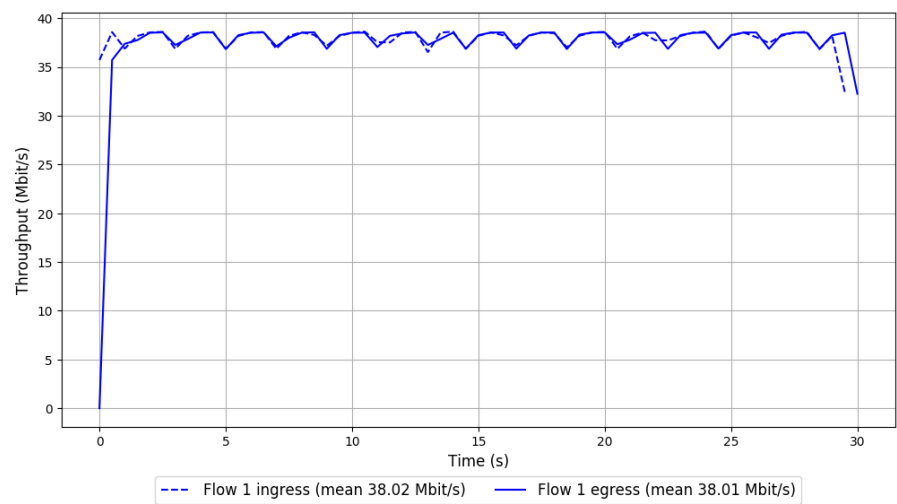


Run 10: Statistics of Sprout

Start at: 2018-08-09 20:16:27
End at: 2018-08-09 20:16:58
Local clock offset: -1.931 ms
Remote clock offset: -2.082 ms

Below is generated by plot.py at 2018-08-09 20:51:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 8.755 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 8.755 ms
Loss rate: 0.01%

Run 10: Report of Sprout — Data Link

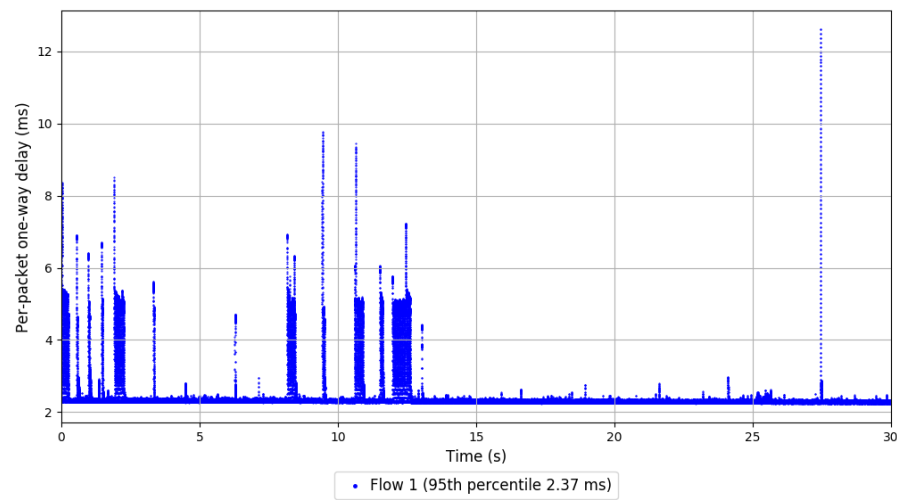
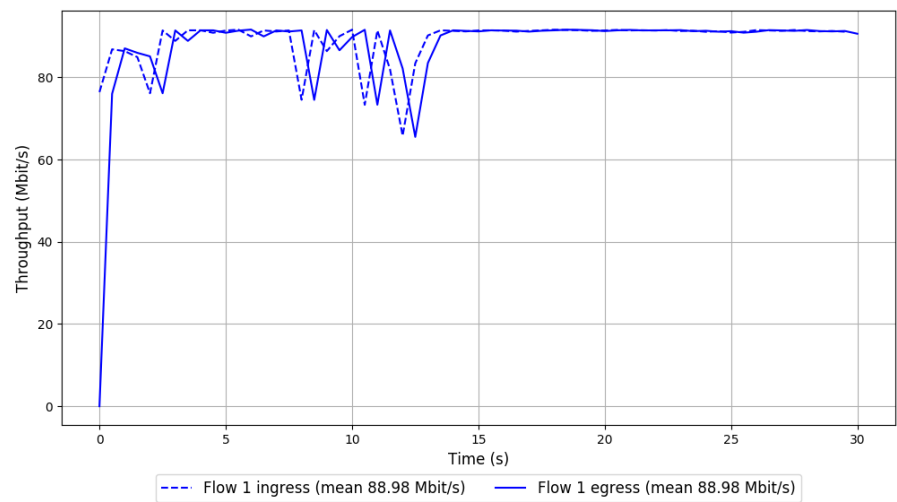


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 17:21:41
End at: 2018-08-09 17:22:11
Local clock offset: -8.203 ms
Remote clock offset: -6.843 ms

Below is generated by plot.py at 2018-08-09 20:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.02%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 17:40:40

End at: 2018-08-09 17:41:10

Local clock offset: -7.604 ms

Remote clock offset: -6.58 ms

Below is generated by plot.py at 2018-08-09 20:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 2.457 ms

Loss rate: 0.02%

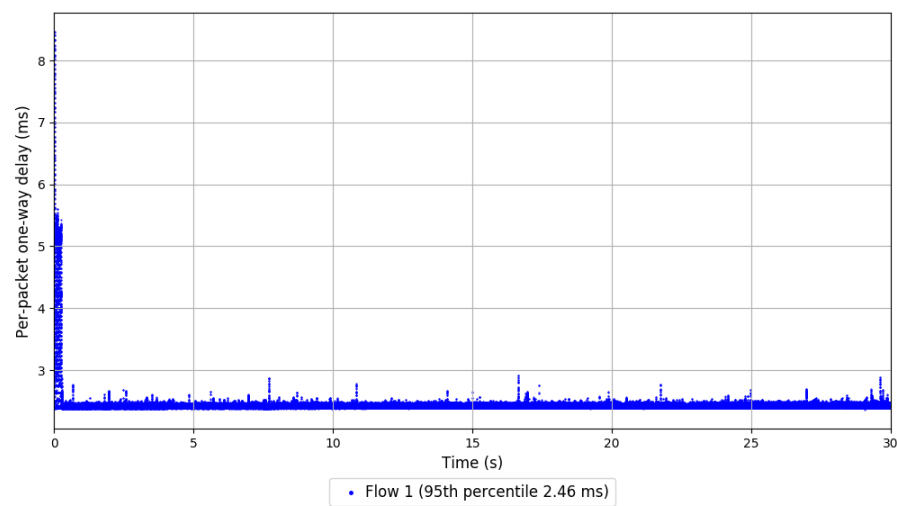
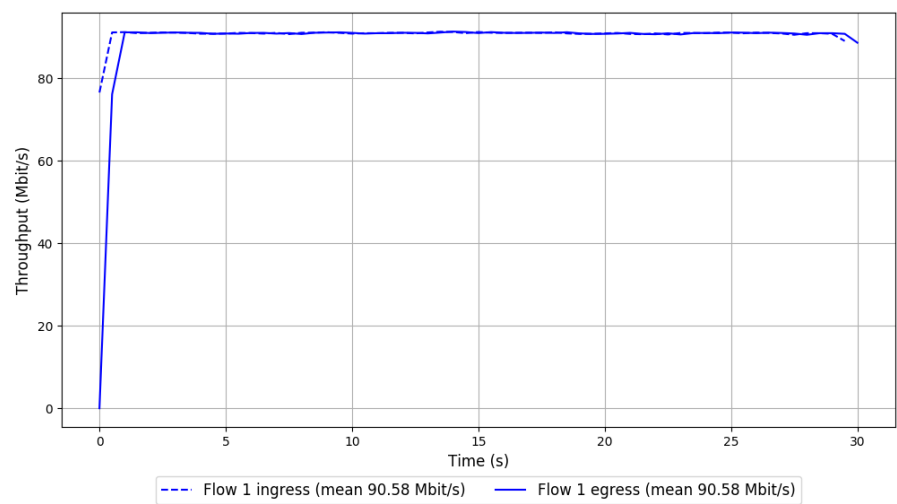
-- Flow 1:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 2.457 ms

Loss rate: 0.02%

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

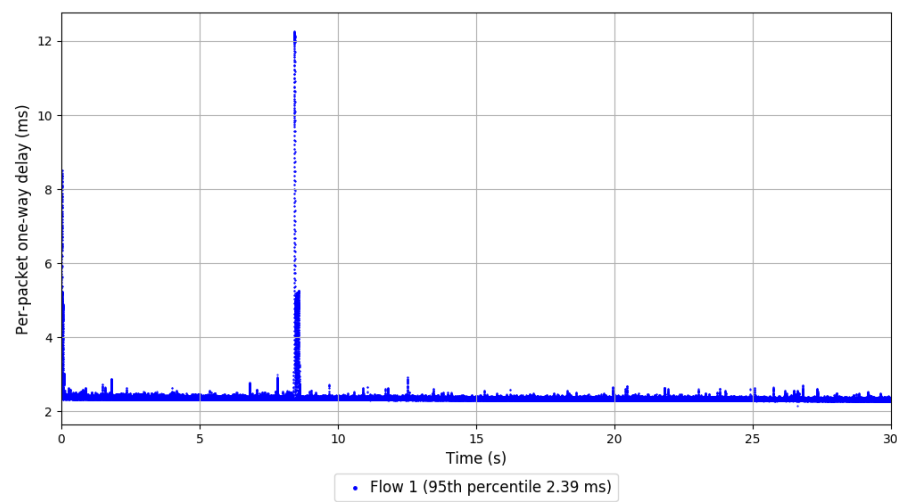
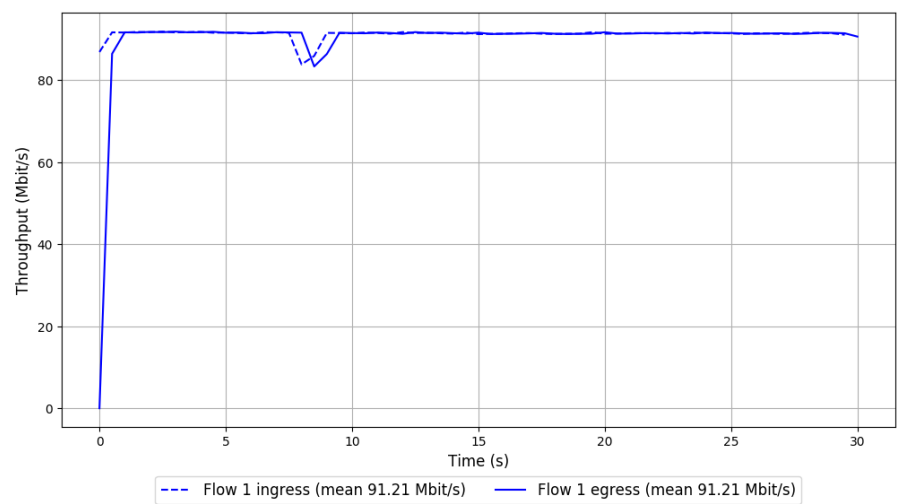


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 17:59:43
End at: 2018-08-09 18:00:13
Local clock offset: -6.875 ms
Remote clock offset: -8.544 ms

Below is generated by plot.py at 2018-08-09 20:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.02%

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

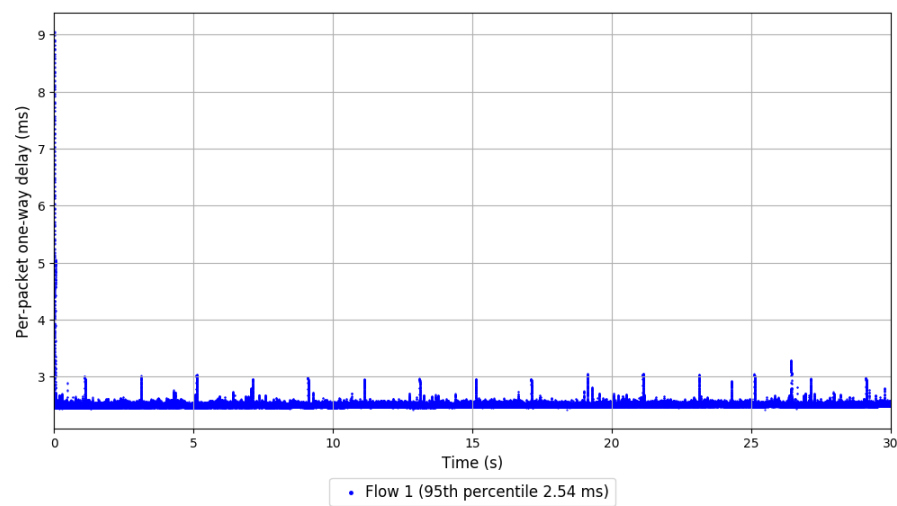
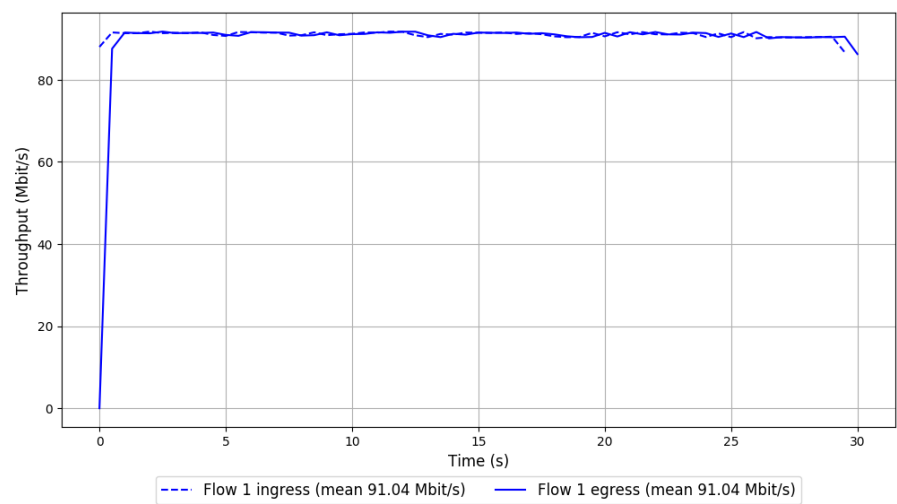


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 18:18:46
End at: 2018-08-09 18:19:16
Local clock offset: -6.762 ms
Remote clock offset: -9.373 ms

Below is generated by plot.py at 2018-08-09 20:52:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 2.538 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 2.538 ms
Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 18:37:49

End at: 2018-08-09 18:38:19

Local clock offset: -7.36 ms

Remote clock offset: -9.872 ms

Below is generated by plot.py at 2018-08-09 20:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.92 Mbit/s

95th percentile per-packet one-way delay: 2.575 ms

Loss rate: 0.02%

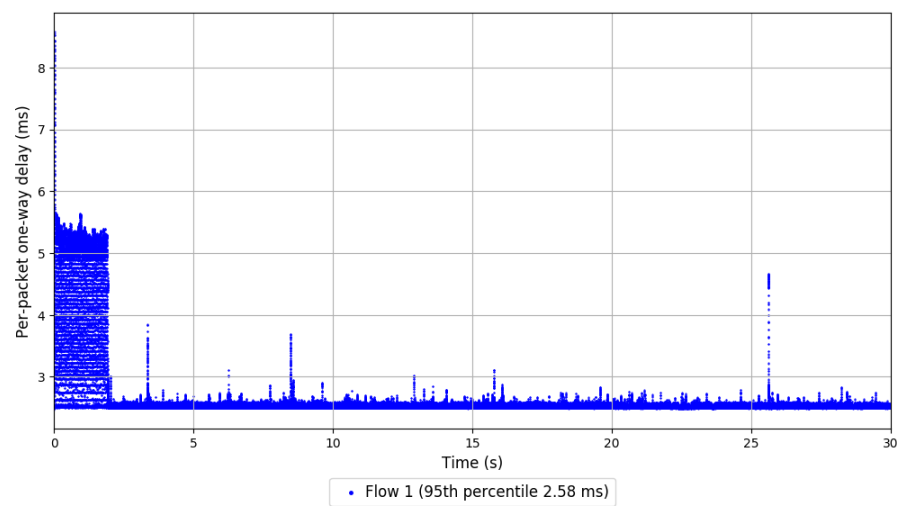
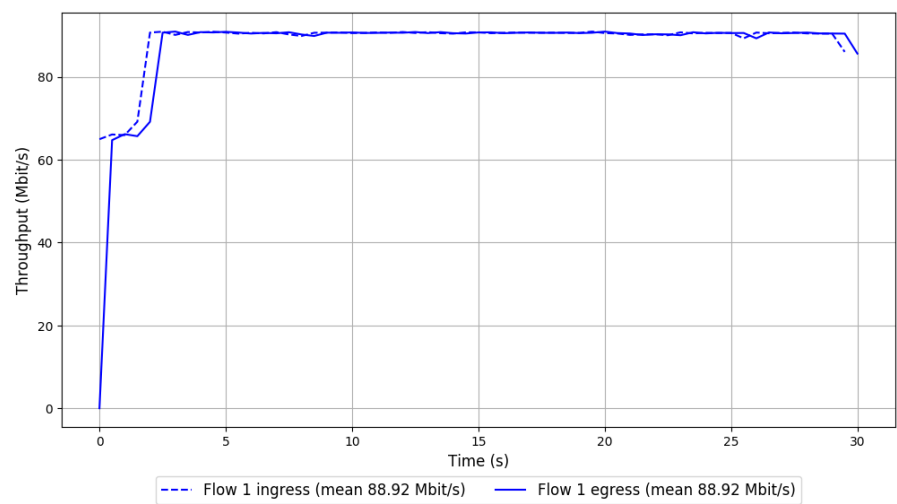
-- Flow 1:

Average throughput: 88.92 Mbit/s

95th percentile per-packet one-way delay: 2.575 ms

Loss rate: 0.02%

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

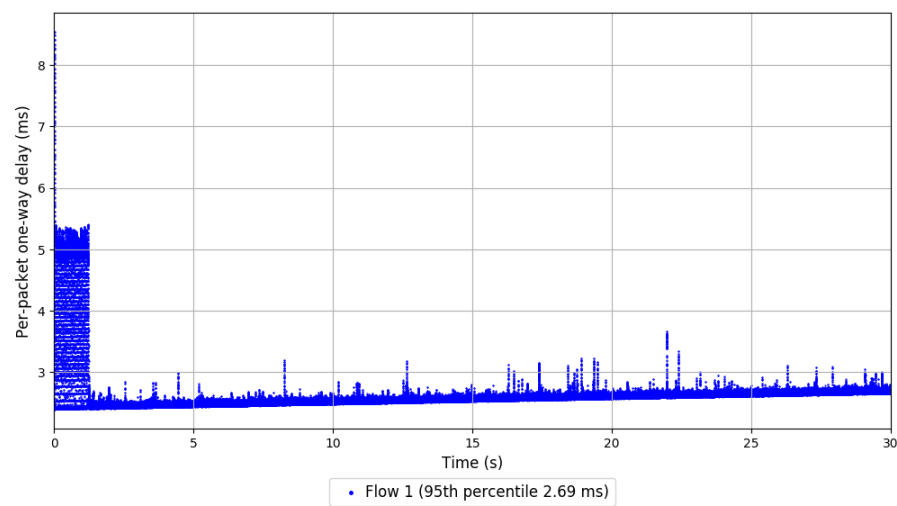
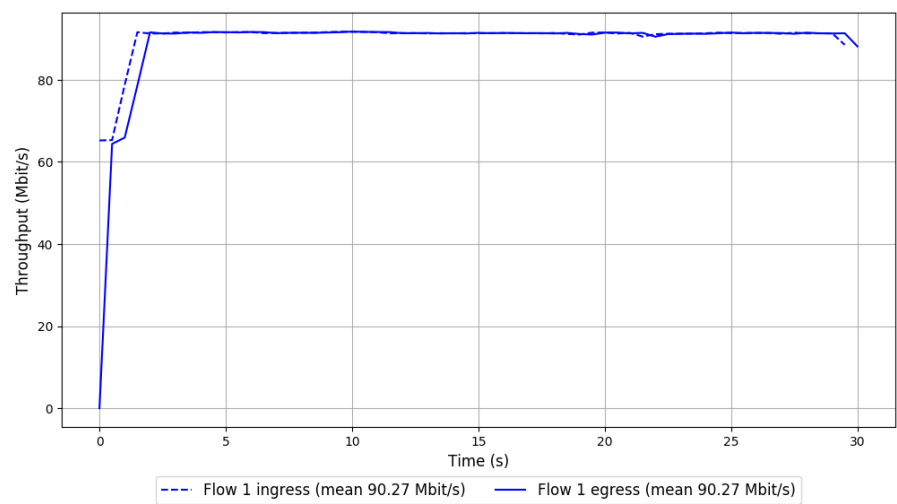


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 18:56:51
End at: 2018-08-09 18:57:21
Local clock offset: -3.703 ms
Remote clock offset: -8.713 ms

Below is generated by plot.py at 2018-08-09 20:52:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.02%

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

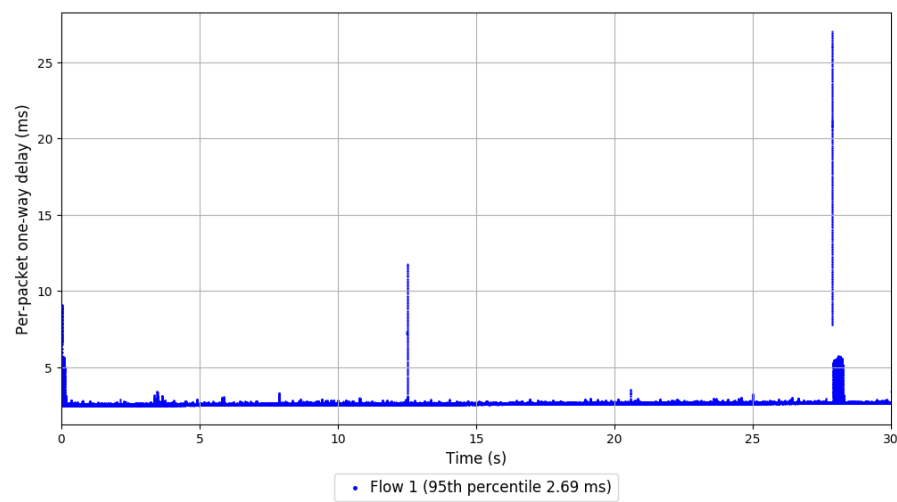
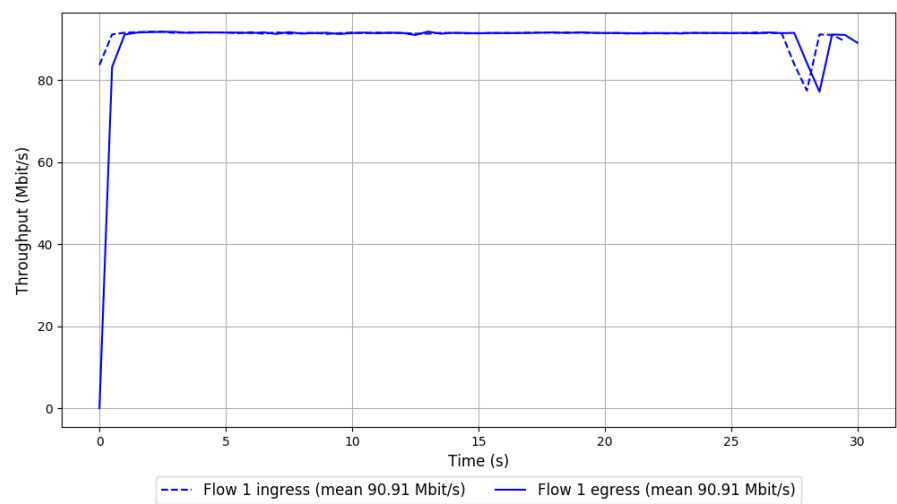


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 19:15:54
End at: 2018-08-09 19:16:24
Local clock offset: -1.862 ms
Remote clock offset: -1.959 ms

Below is generated by plot.py at 2018-08-09 20:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 2.691 ms
Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 19:34:57

End at: 2018-08-09 19:35:27

Local clock offset: -2.805 ms

Remote clock offset: 0.544 ms

Below is generated by plot.py at 2018-08-09 20:53:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 2.456 ms

Loss rate: 0.02%

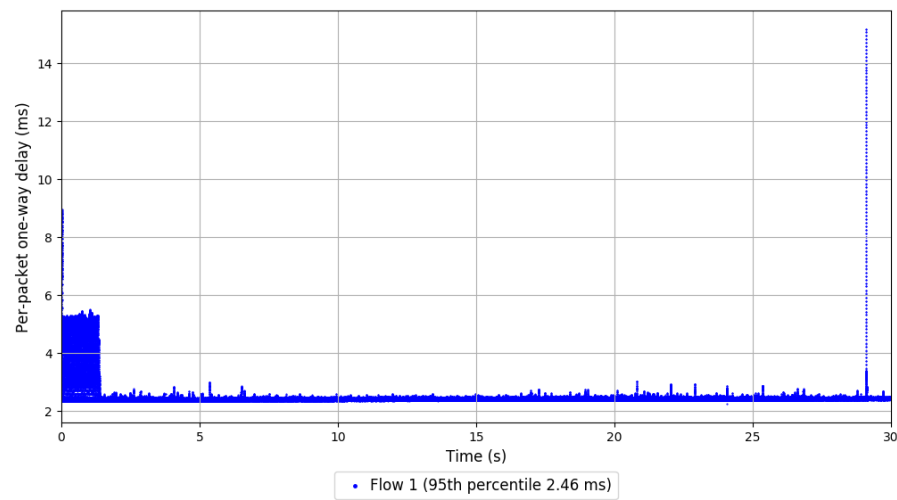
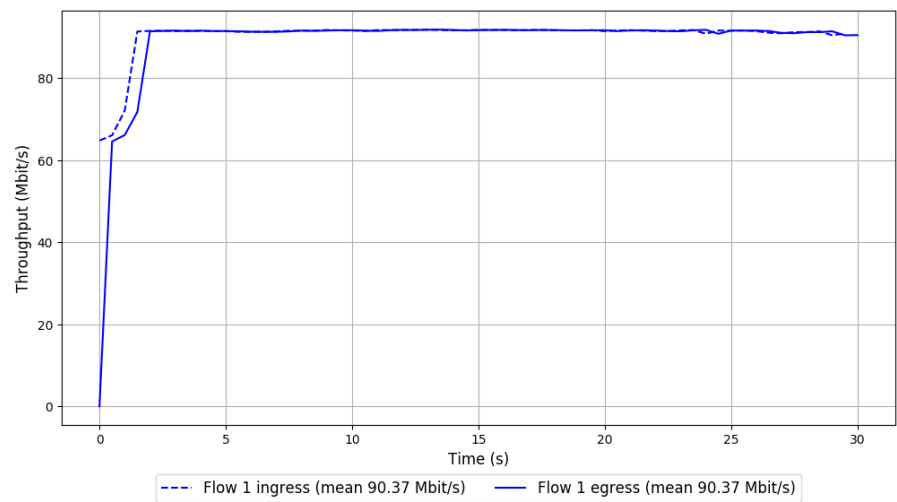
-- Flow 1:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 2.456 ms

Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 19:53:59

End at: 2018-08-09 19:54:29

Local clock offset: -2.397 ms

Remote clock offset: 2.435 ms

Below is generated by plot.py at 2018-08-09 20:54:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.02%

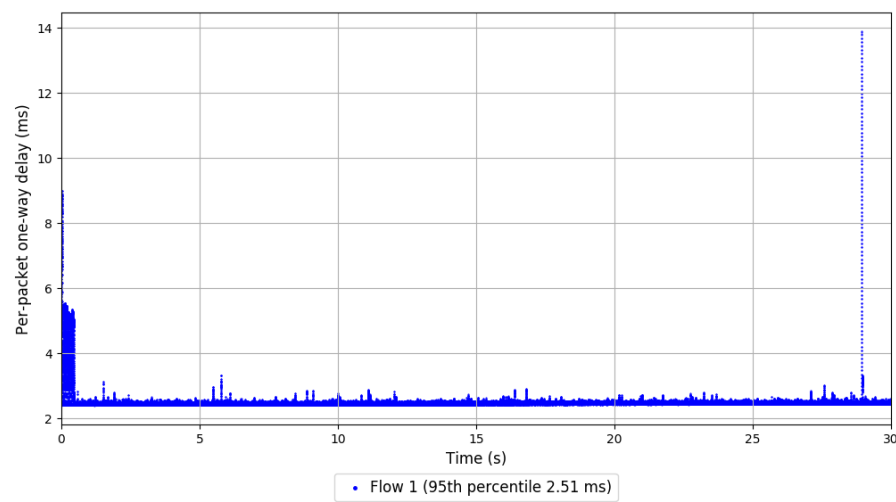
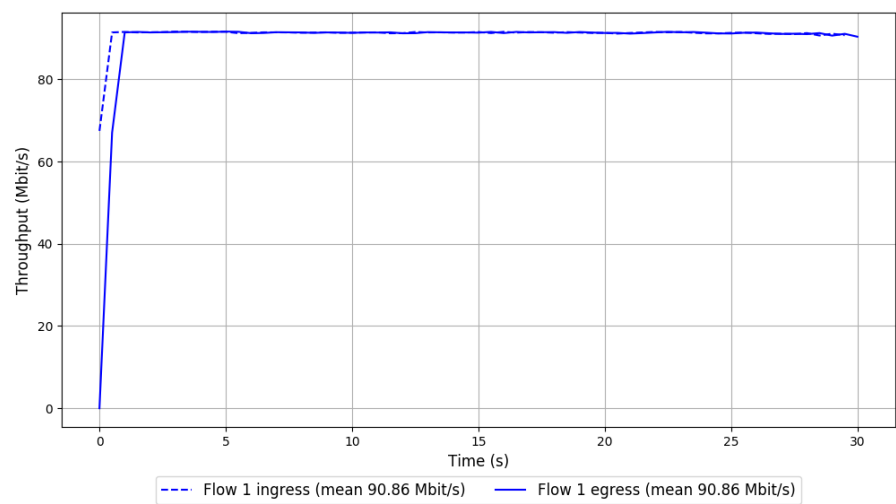
-- Flow 1:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 20:13:02

End at: 2018-08-09 20:13:32

Local clock offset: -1.904 ms

Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-08-09 20:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.02%

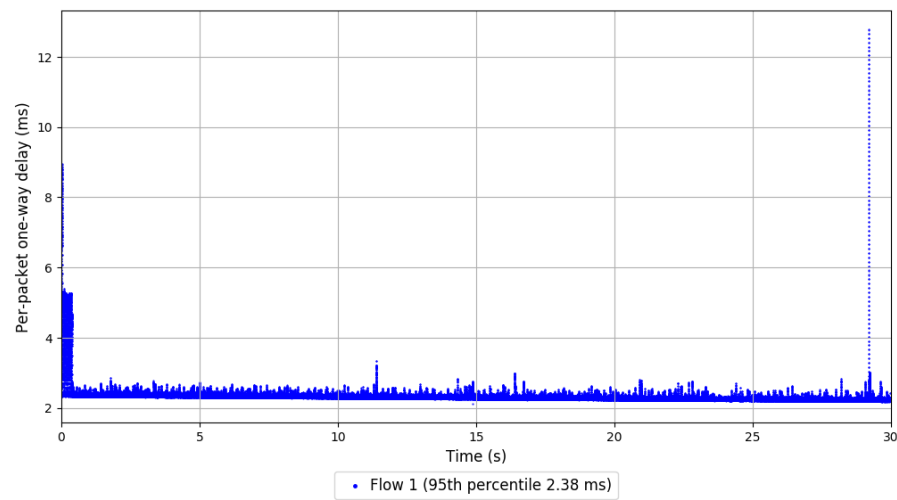
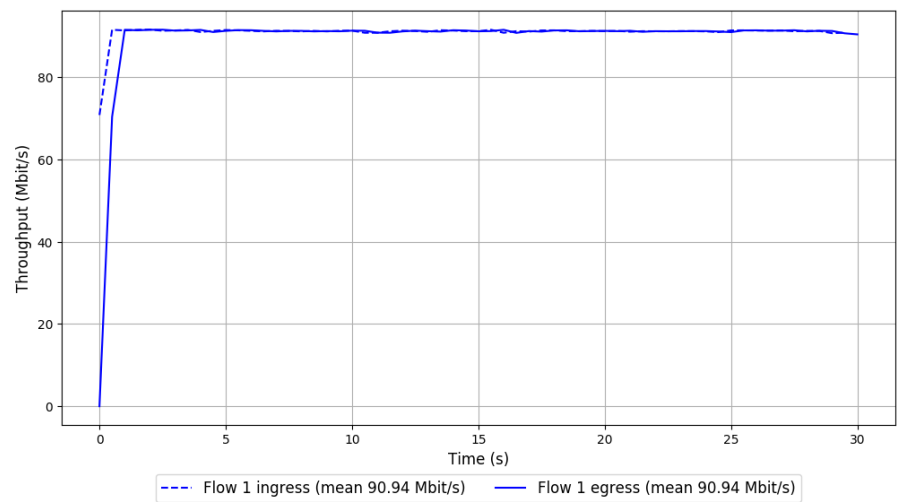
-- Flow 1:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.02%

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

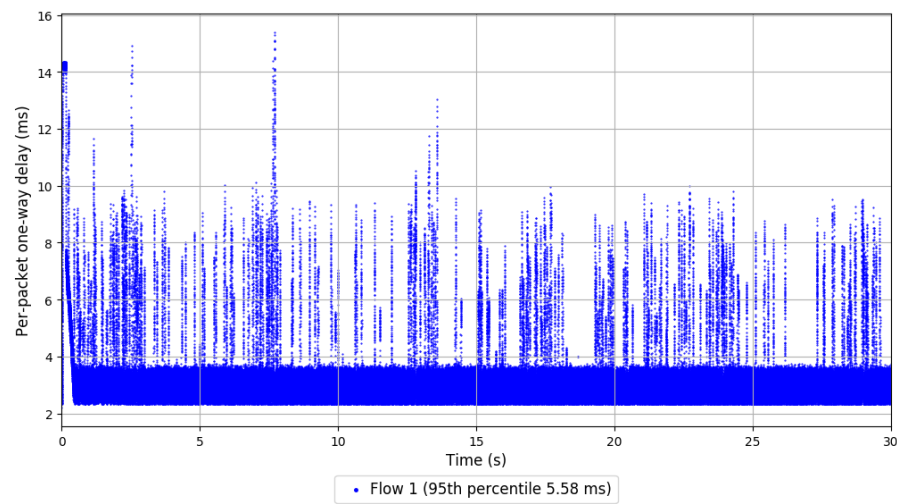
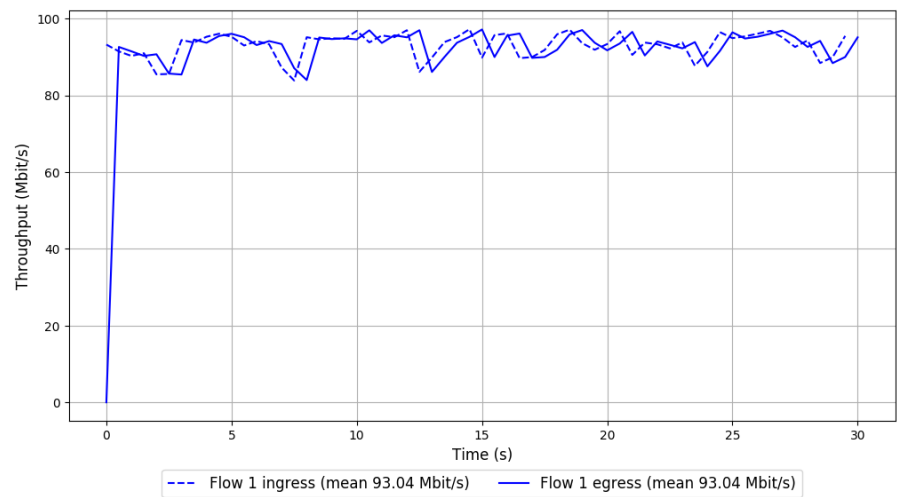


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 17:27:16
End at: 2018-08-09 17:27:46
Local clock offset: -7.668 ms
Remote clock offset: -6.669 ms

Below is generated by plot.py at 2018-08-09 20:54:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 5.583 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 5.583 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link

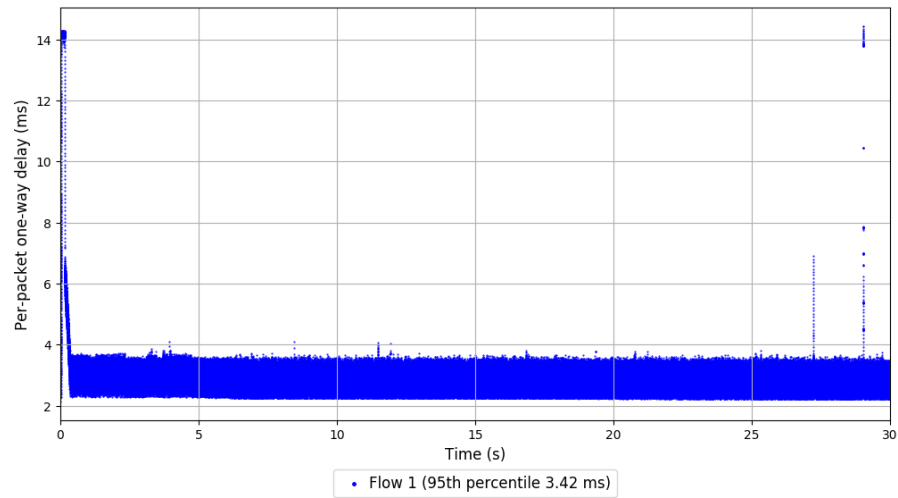
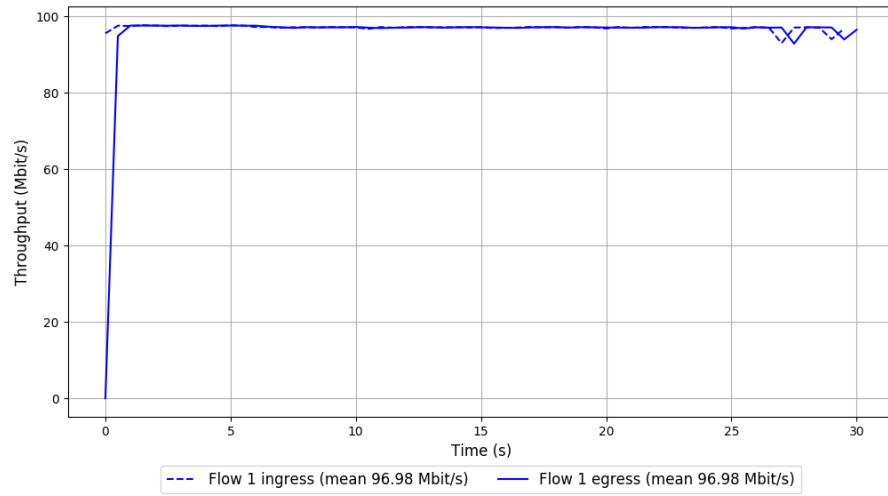


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 17:46:15
End at: 2018-08-09 17:46:45
Local clock offset: -7.552 ms
Remote clock offset: -6.373 ms

Below is generated by plot.py at 2018-08-09 20:54:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 3.422 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 3.422 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

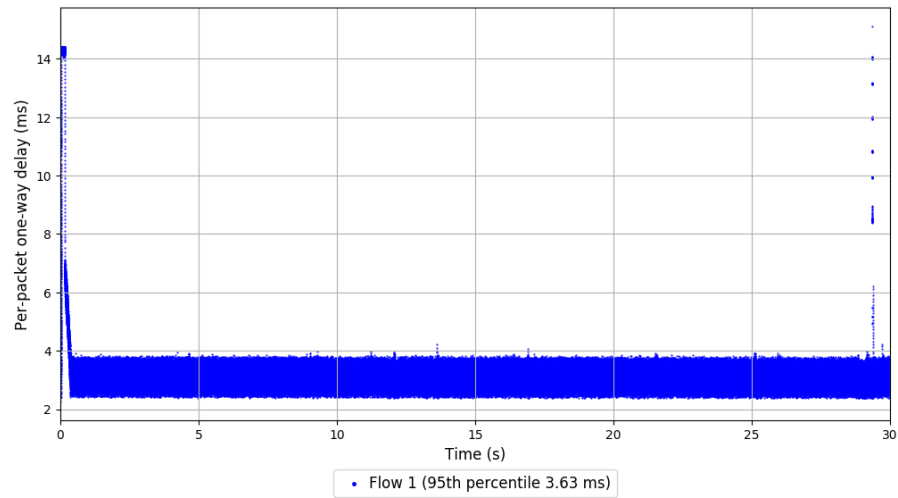
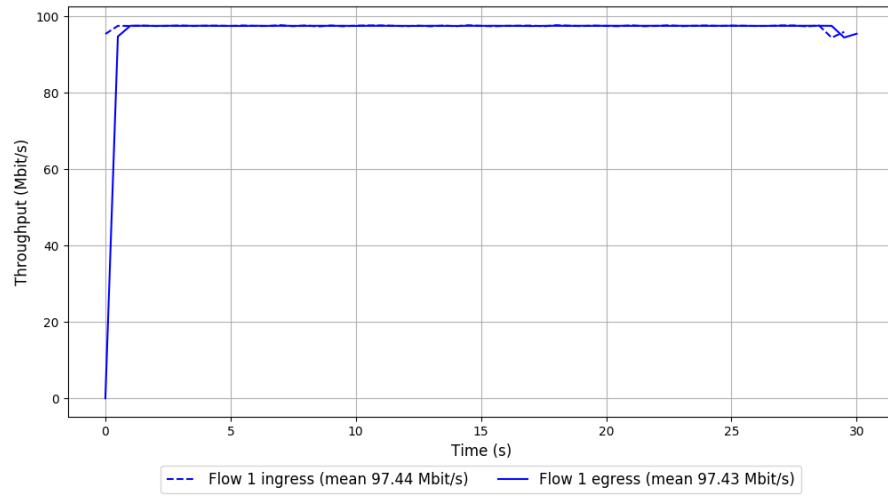


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 18:05:18
End at: 2018-08-09 18:05:48
Local clock offset: -6.647 ms
Remote clock offset: -8.863 ms

Below is generated by plot.py at 2018-08-09 20:54:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.630 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.630 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

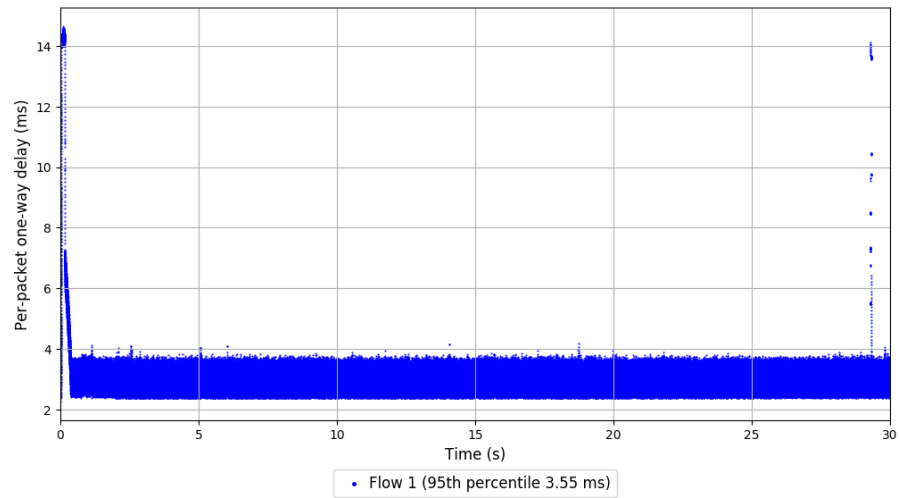
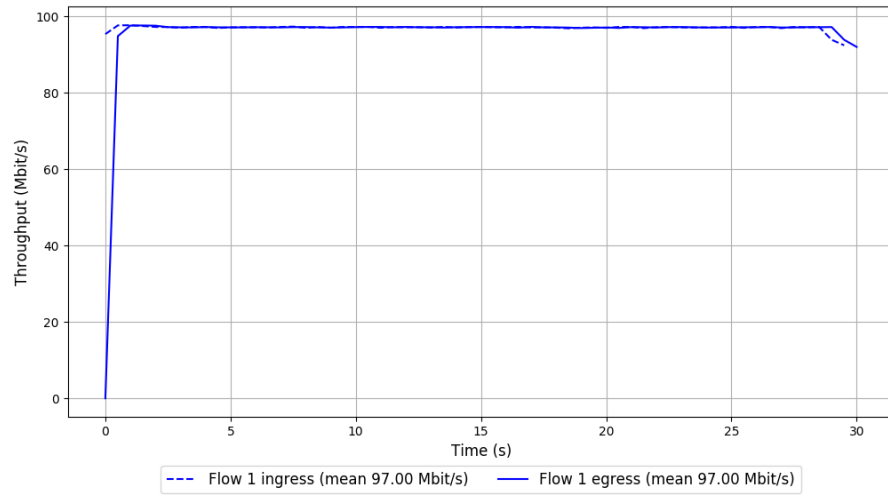


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 18:24:20
End at: 2018-08-09 18:24:50
Local clock offset: -7.146 ms
Remote clock offset: -9.506 ms

Below is generated by plot.py at 2018-08-09 20:54:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 3.552 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 3.552 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

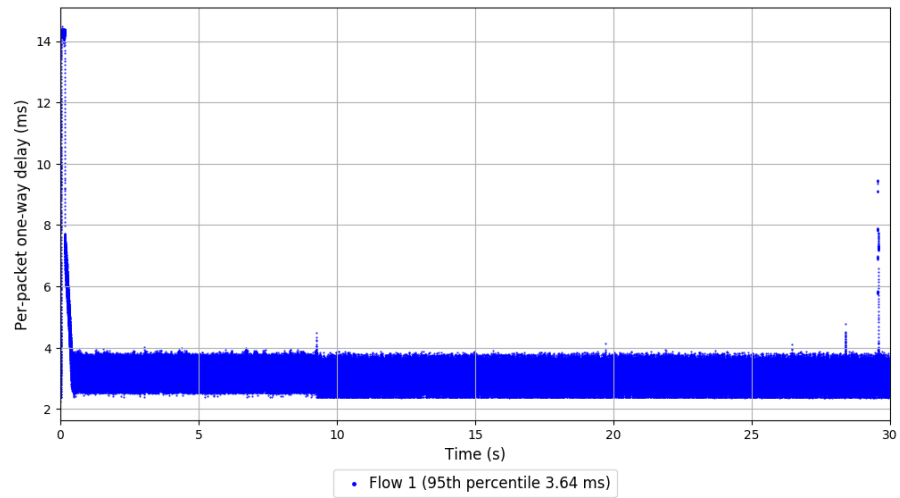
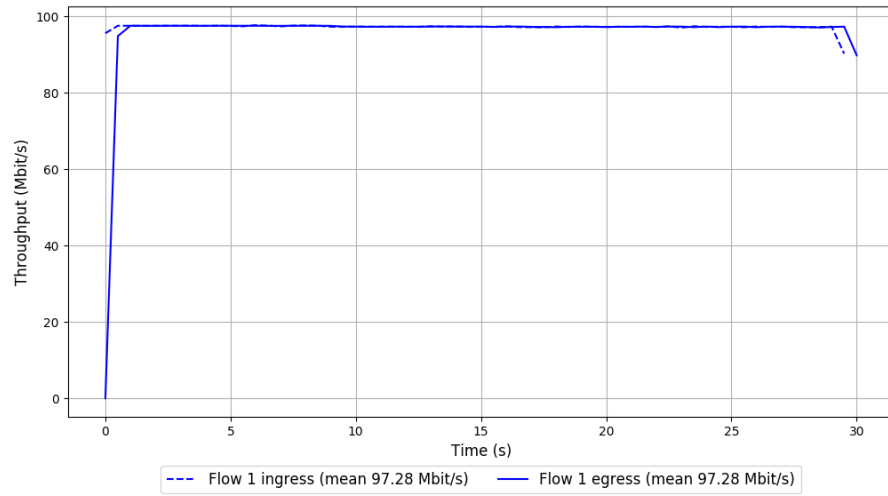


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 18:43:23
End at: 2018-08-09 18:43:53
Local clock offset: -7.492 ms
Remote clock offset: -9.918 ms

Below is generated by plot.py at 2018-08-09 20:54:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 3.639 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 3.639 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 19:02:26

End at: 2018-08-09 19:02:56

Local clock offset: -2.843 ms

Remote clock offset: -5.58 ms

Below is generated by plot.py at 2018-08-09 20:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 3.656 ms

Loss rate: 0.02%

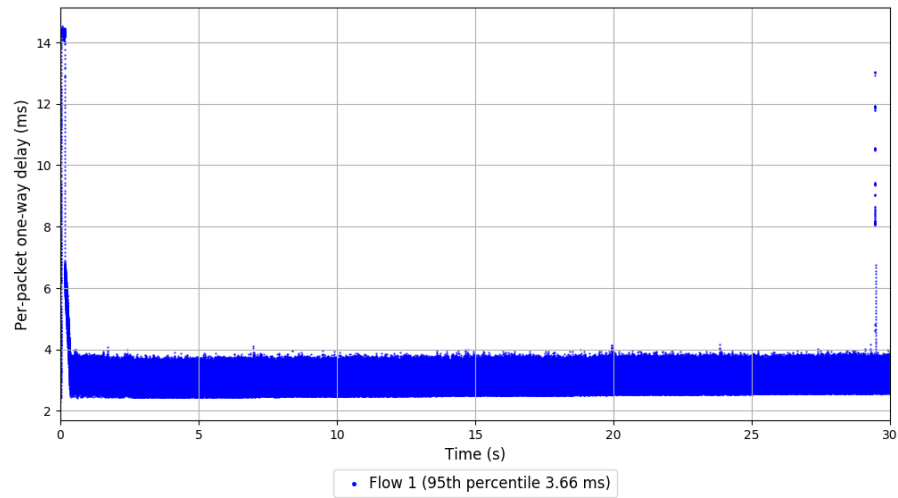
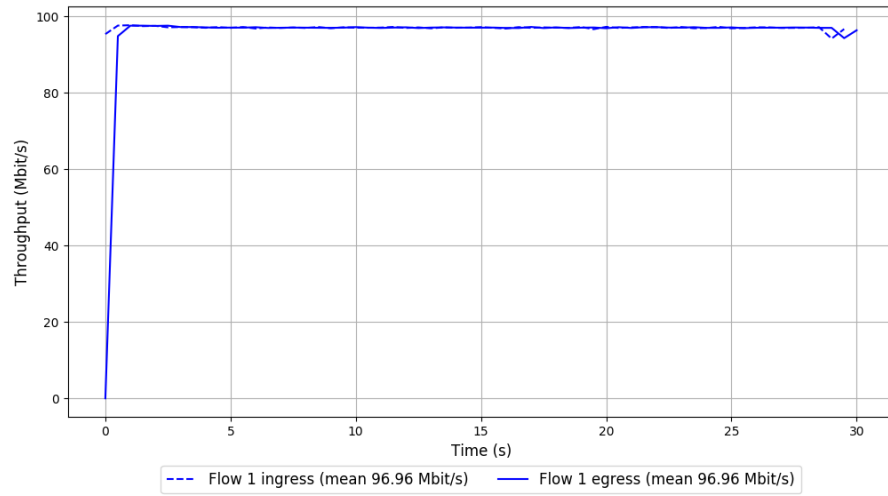
-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 3.656 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

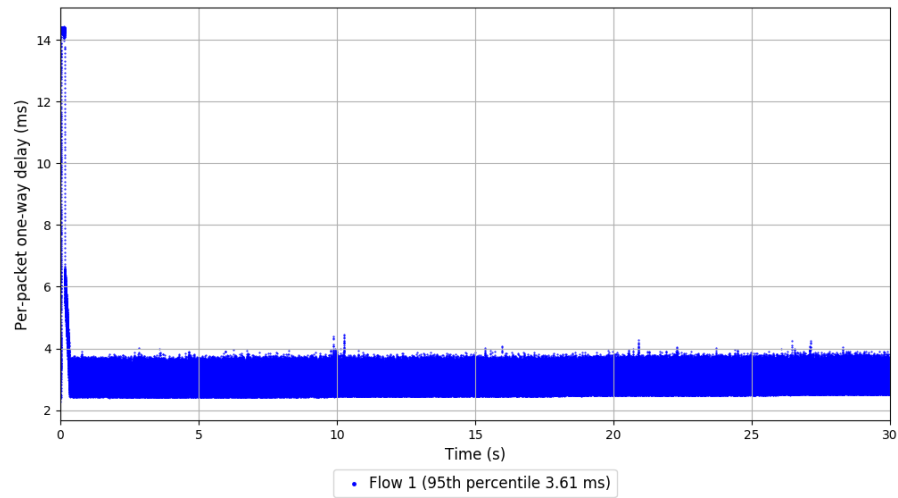
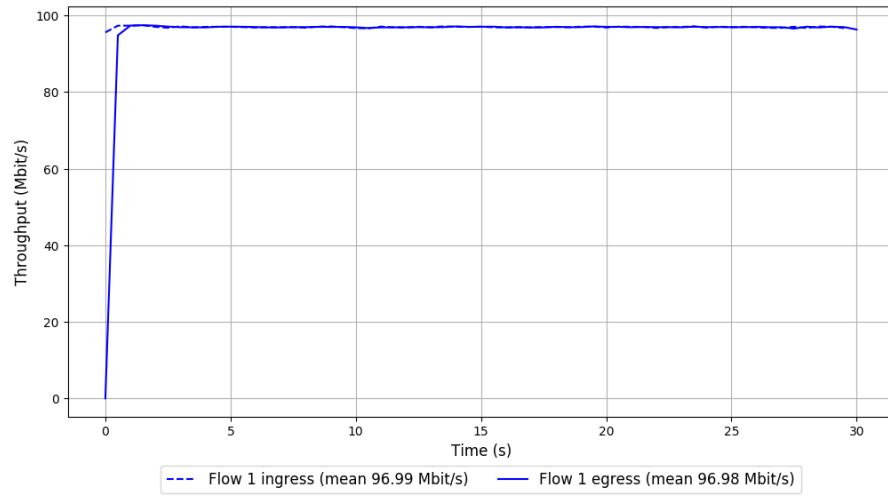


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 19:21:29
End at: 2018-08-09 19:21:59
Local clock offset: -2.55 ms
Remote clock offset: -1.047 ms

Below is generated by plot.py at 2018-08-09 20:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 3.610 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 3.610 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 19:40:31

End at: 2018-08-09 19:41:02

Local clock offset: -2.719 ms

Remote clock offset: 1.037 ms

Below is generated by plot.py at 2018-08-09 20:54:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 3.623 ms

Loss rate: 0.02%

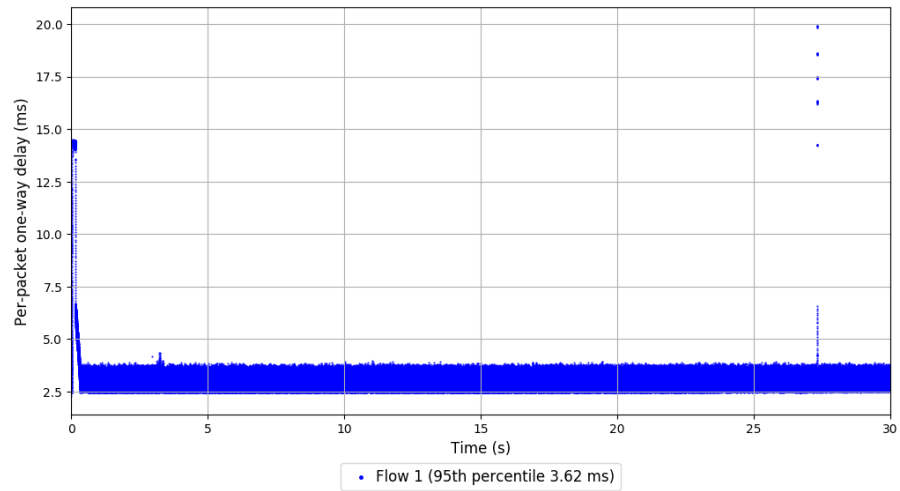
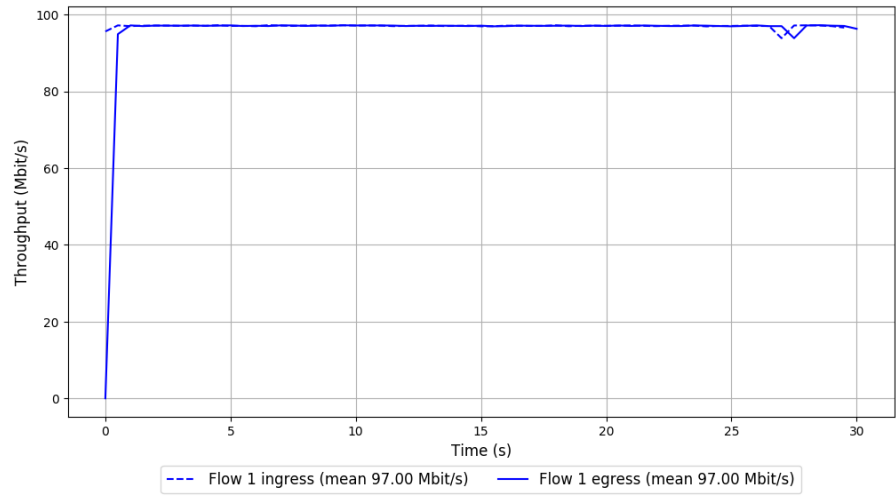
-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 3.623 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 19:59:34

End at: 2018-08-09 20:00:04

Local clock offset: -2.239 ms

Remote clock offset: 2.941 ms

Below is generated by plot.py at 2018-08-09 20:54:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 3.743 ms

Loss rate: 0.02%

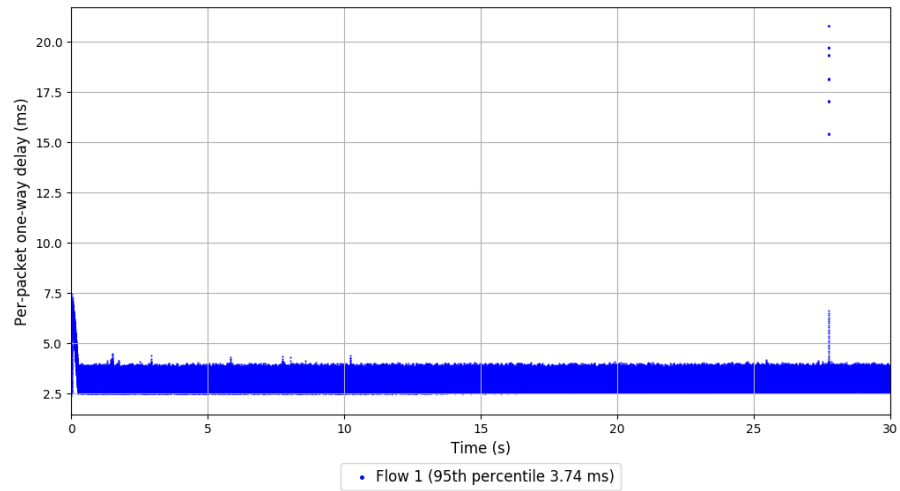
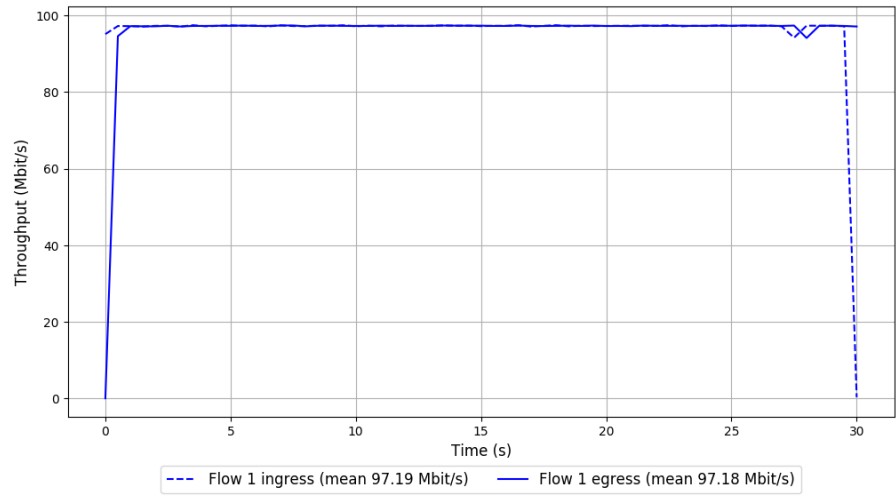
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 3.743 ms

Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link

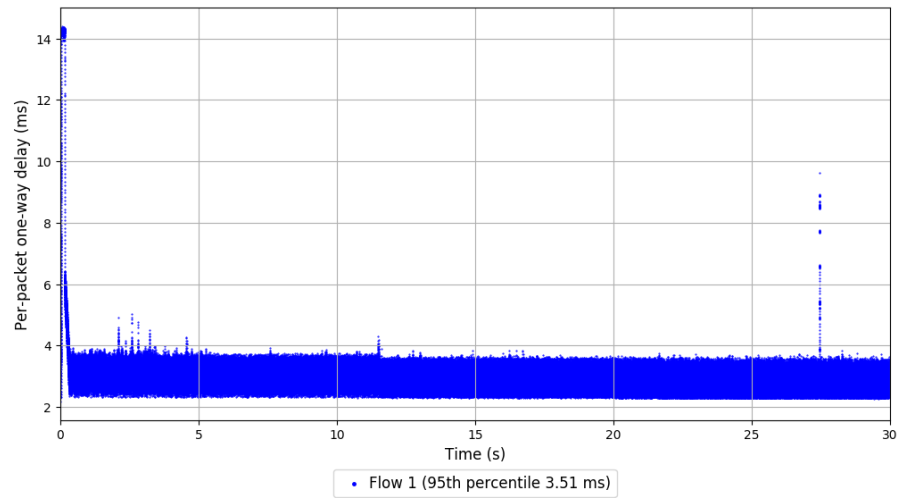
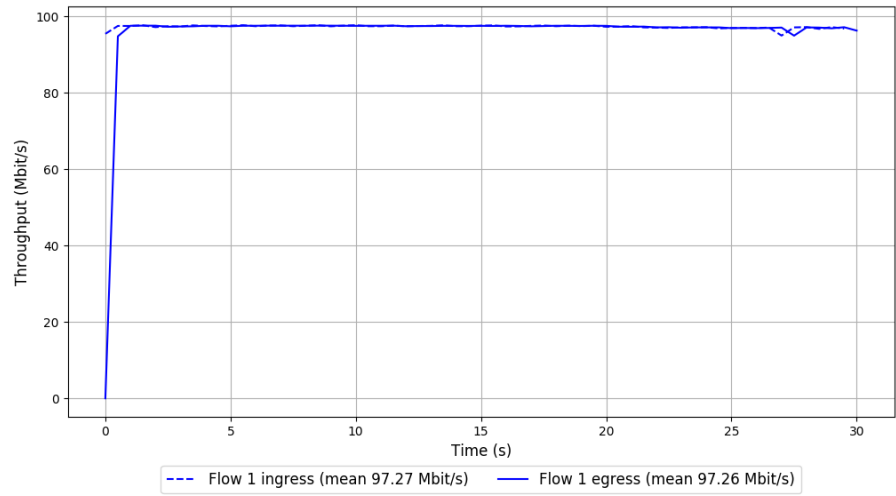


Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 20:18:37
End at: 2018-08-09 20:19:07
Local clock offset: -2.102 ms
Remote clock offset: -2.364 ms

Below is generated by plot.py at 2018-08-09 20:55:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 3.514 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 3.514 ms
Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

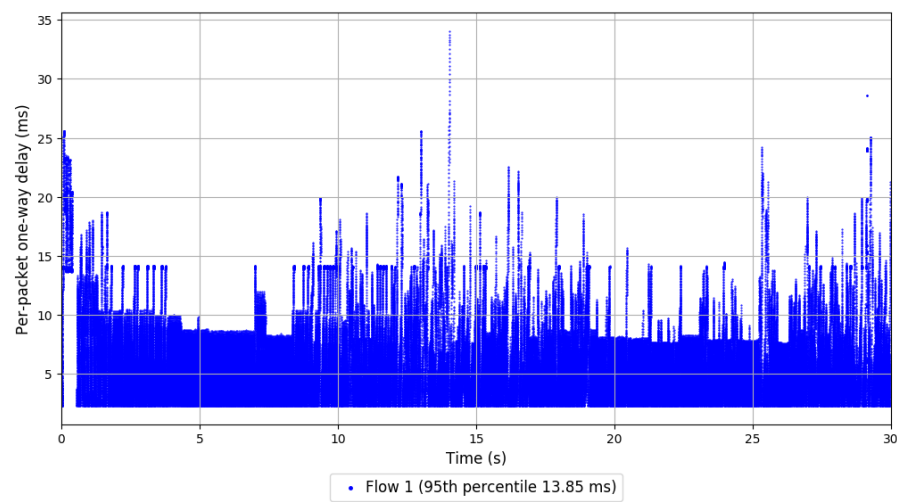
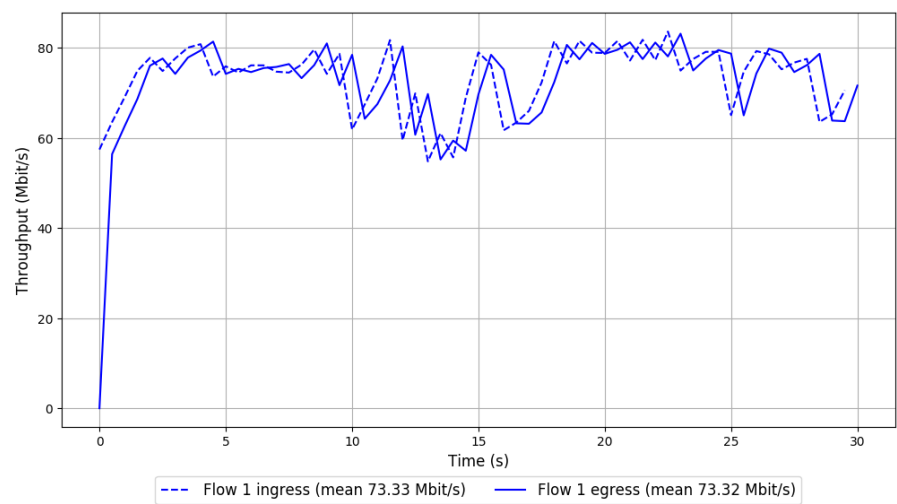


Run 1: Statistics of Verus

Start at: 2018-08-09 17:30:38
End at: 2018-08-09 17:31:08
Local clock offset: -7.553 ms
Remote clock offset: -6.584 ms

Below is generated by plot.py at 2018-08-09 20:55:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 13.854 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 13.854 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

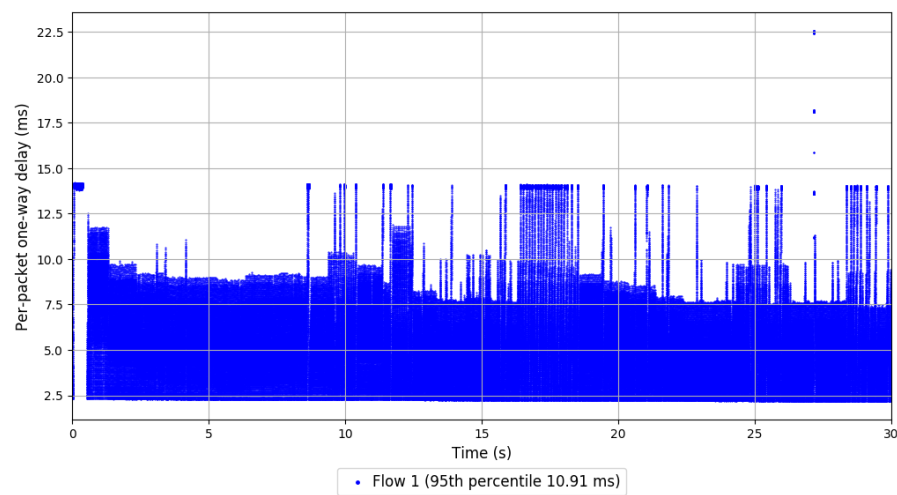
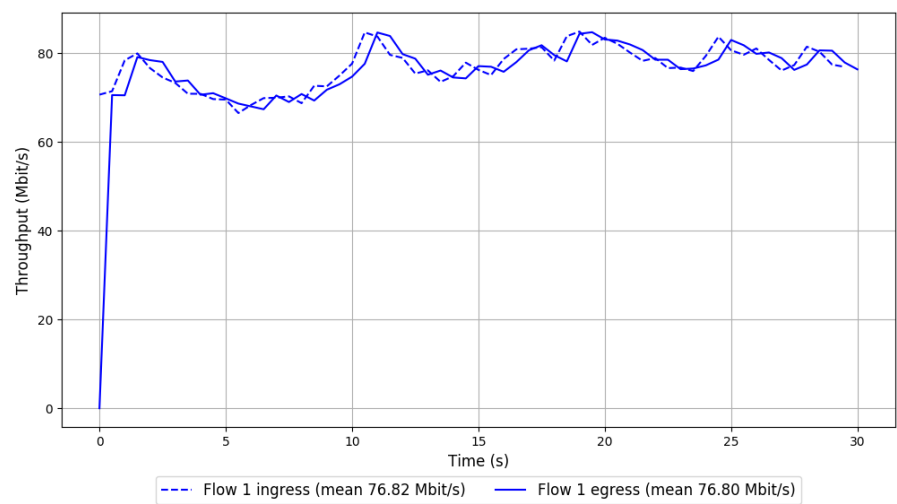


Run 2: Statistics of Verus

Start at: 2018-08-09 17:49:37
End at: 2018-08-09 17:50:07
Local clock offset: -7.248 ms
Remote clock offset: -7.118 ms

Below is generated by plot.py at 2018-08-09 20:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 10.914 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 10.914 ms
Loss rate: 0.03%

Run 2: Report of Verus — Data Link

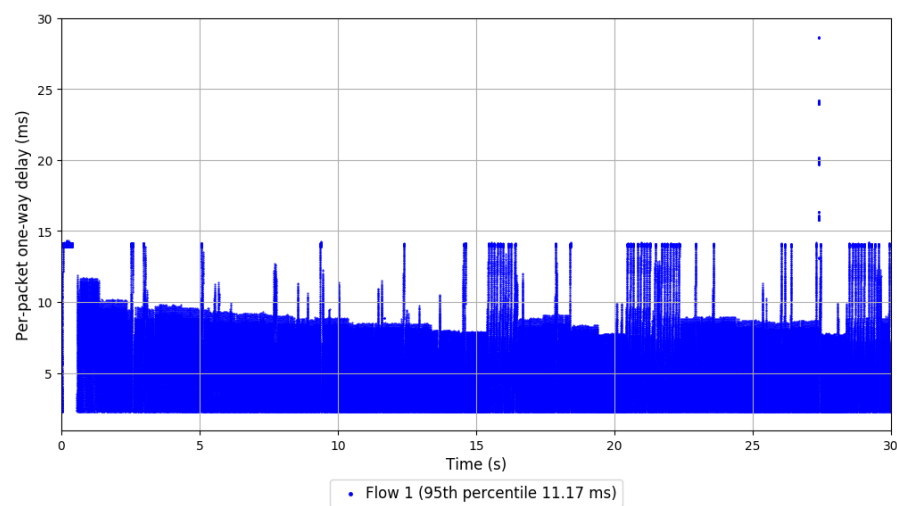
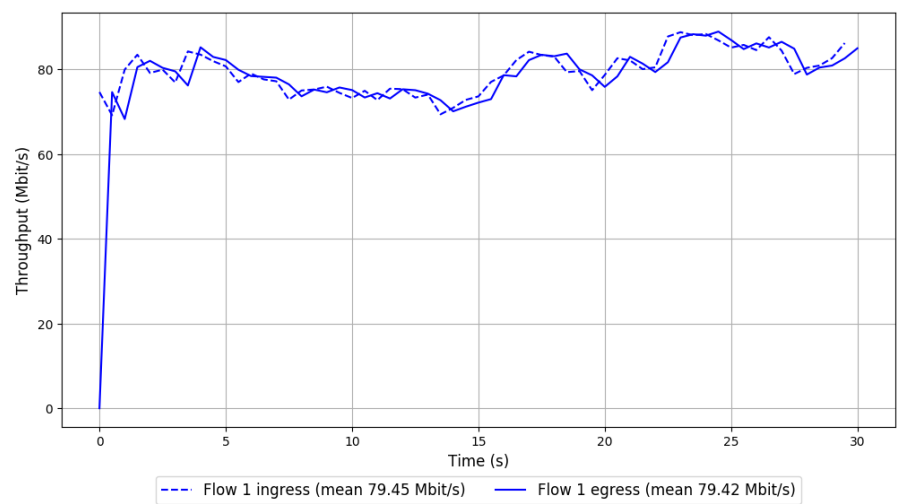


Run 3: Statistics of Verus

Start at: 2018-08-09 18:08:39
End at: 2018-08-09 18:09:10
Local clock offset: -6.647 ms
Remote clock offset: -8.981 ms

Below is generated by plot.py at 2018-08-09 20:55:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 11.172 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 11.172 ms
Loss rate: 0.04%

Run 3: Report of Verus — Data Link

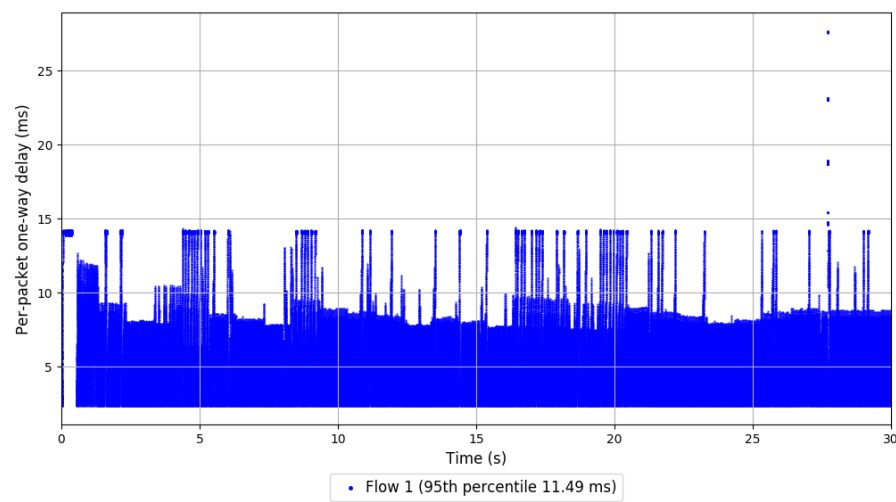
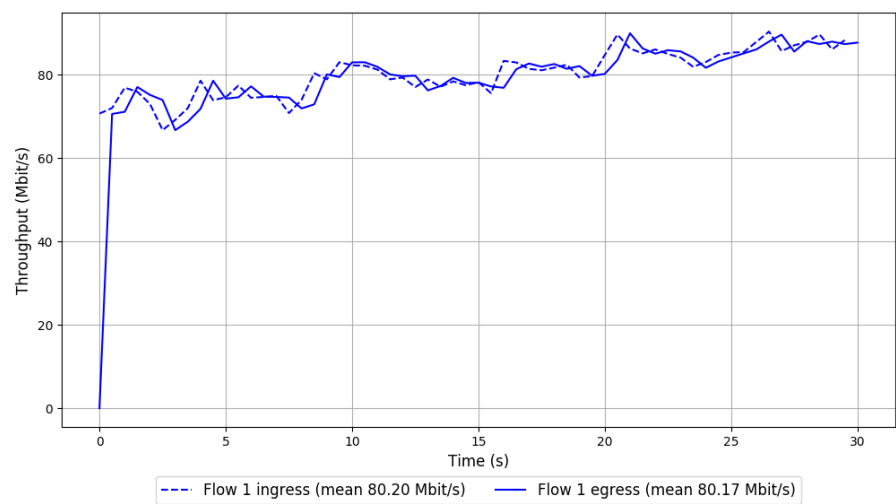


Run 4: Statistics of Verus

Start at: 2018-08-09 18:27:42
End at: 2018-08-09 18:28:12
Local clock offset: -7.216 ms
Remote clock offset: -9.493 ms

Below is generated by plot.py at 2018-08-09 20:55:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 11.490 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 11.490 ms
Loss rate: 0.05%

Run 4: Report of Verus — Data Link

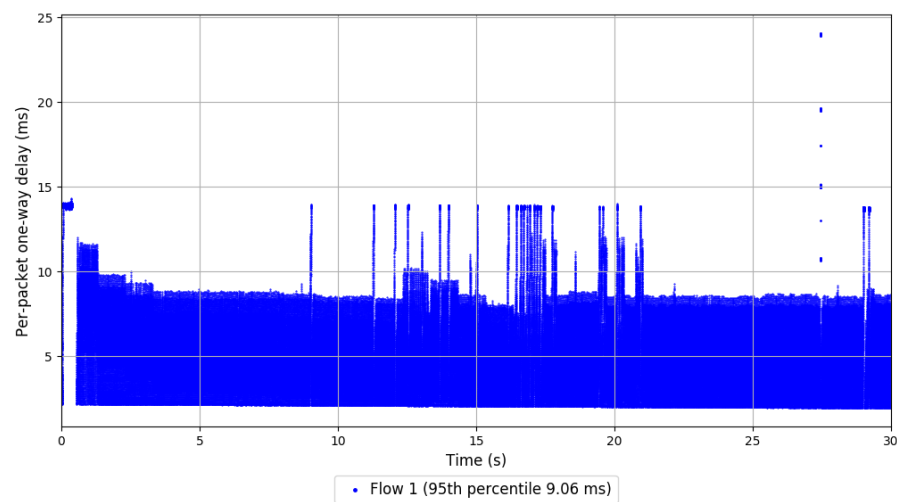
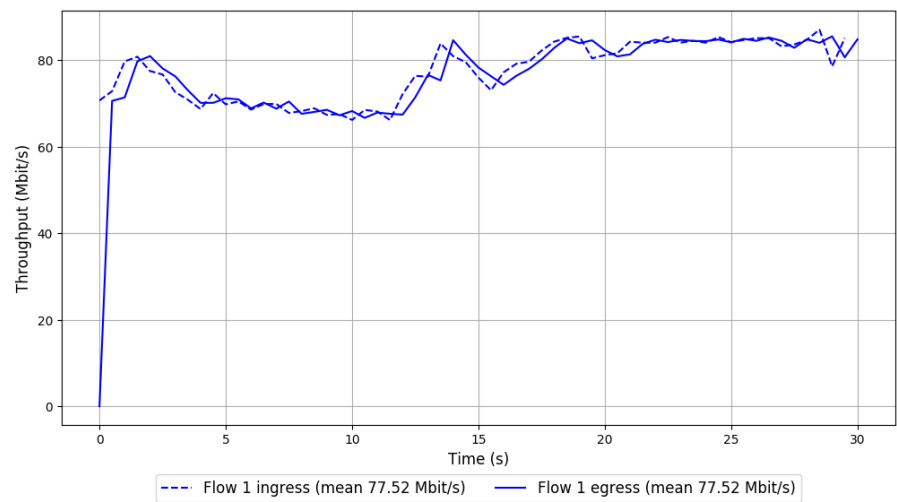


Run 5: Statistics of Verus

Start at: 2018-08-09 18:46:45
End at: 2018-08-09 18:47:15
Local clock offset: -6.873 ms
Remote clock offset: -9.955 ms

Below is generated by plot.py at 2018-08-09 20:55:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 9.064 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 9.064 ms
Loss rate: 0.02%

Run 5: Report of Verus — Data Link

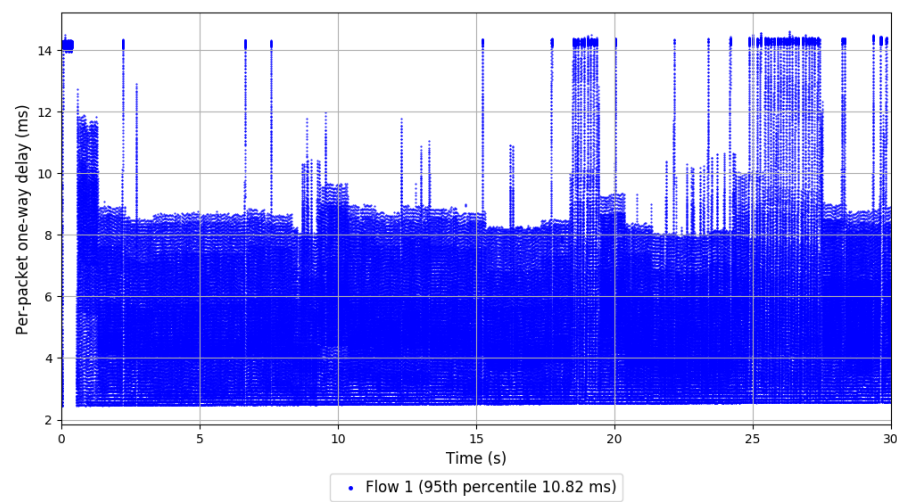
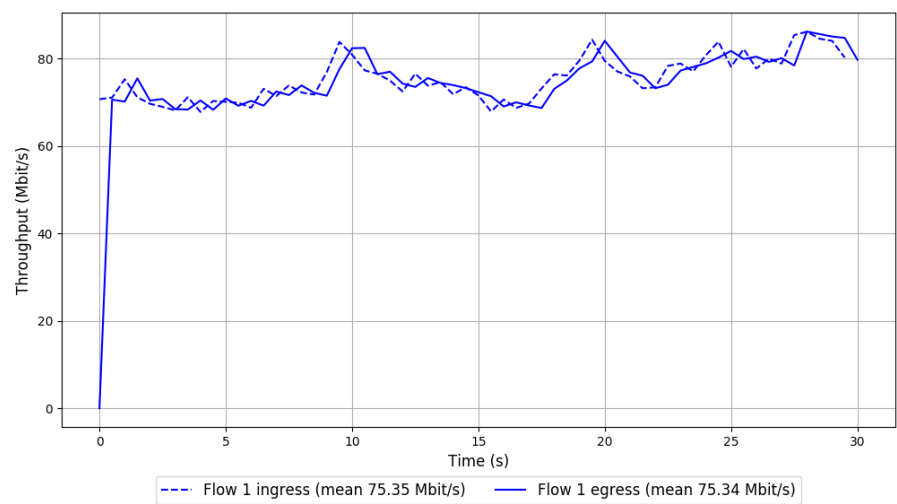


Run 6: Statistics of Verus

Start at: 2018-08-09 19:05:48
End at: 2018-08-09 19:06:18
Local clock offset: -2.455 ms
Remote clock offset: -4.368 ms

Below is generated by plot.py at 2018-08-09 20:55:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: 10.824 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: 10.824 ms
Loss rate: 0.02%

Run 6: Report of Verus — Data Link

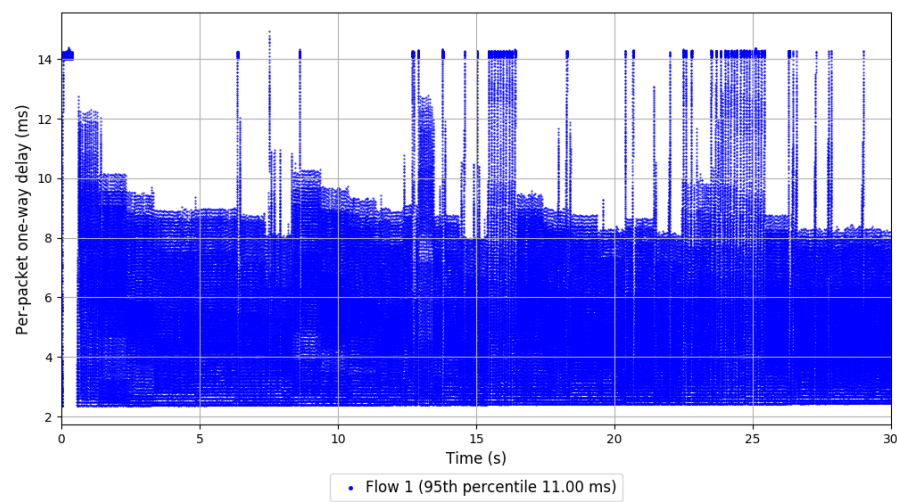
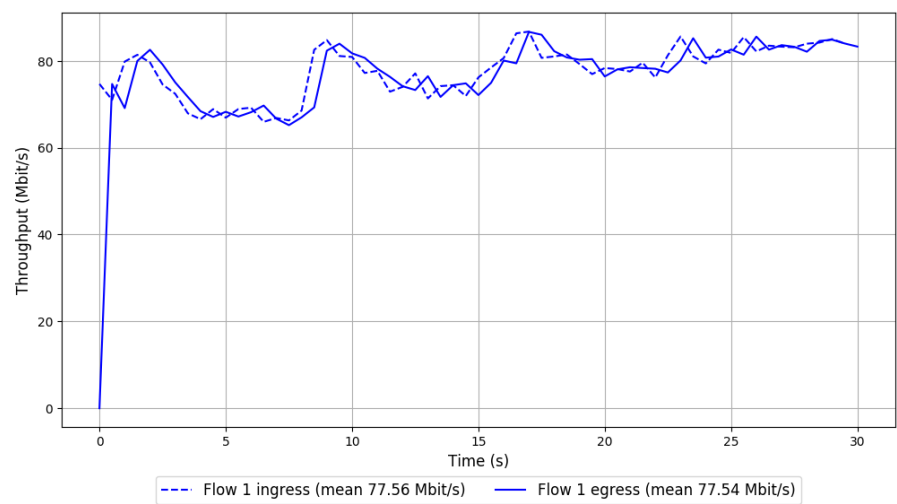


Run 7: Statistics of Verus

Start at: 2018-08-09 19:24:50
End at: 2018-08-09 19:25:20
Local clock offset: -2.795 ms
Remote clock offset: -0.666 ms

Below is generated by plot.py at 2018-08-09 20:55:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 10.998 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 10.998 ms
Loss rate: 0.04%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-09 19:43:53

End at: 2018-08-09 19:44:23

Local clock offset: -2.64 ms

Remote clock offset: 1.408 ms

Below is generated by plot.py at 2018-08-09 20:55:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.84 Mbit/s

95th percentile per-packet one-way delay: 9.657 ms

Loss rate: 0.02%

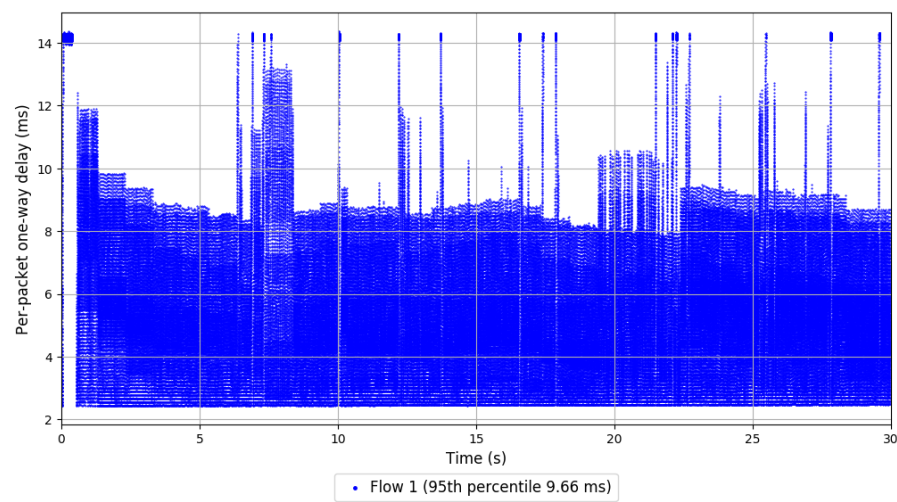
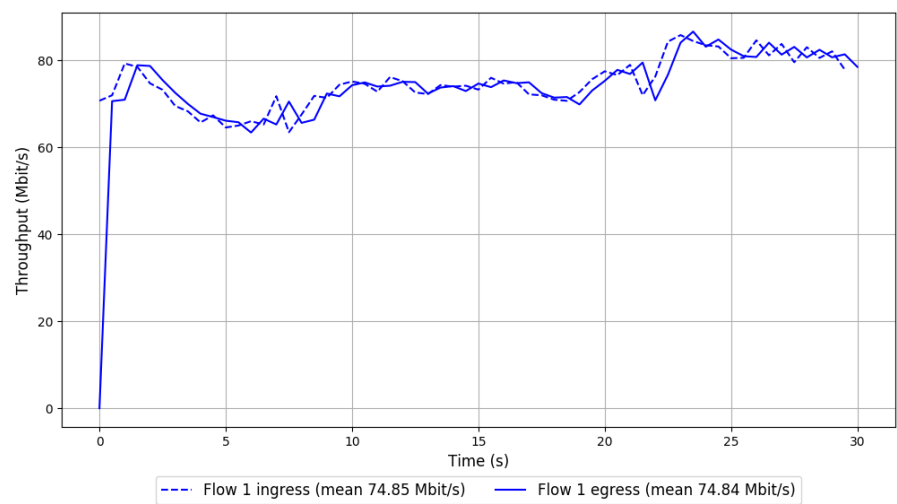
-- Flow 1:

Average throughput: 74.84 Mbit/s

95th percentile per-packet one-way delay: 9.657 ms

Loss rate: 0.02%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-09 20:02:56

End at: 2018-08-09 20:03:26

Local clock offset: -2.144 ms

Remote clock offset: 3.341 ms

Below is generated by plot.py at 2018-08-09 20:56:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.43 Mbit/s

95th percentile per-packet one-way delay: 11.282 ms

Loss rate: 0.03%

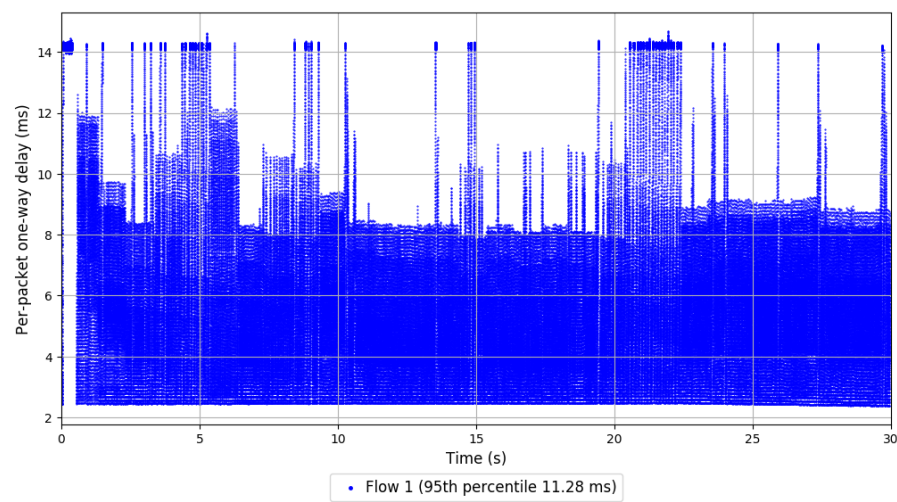
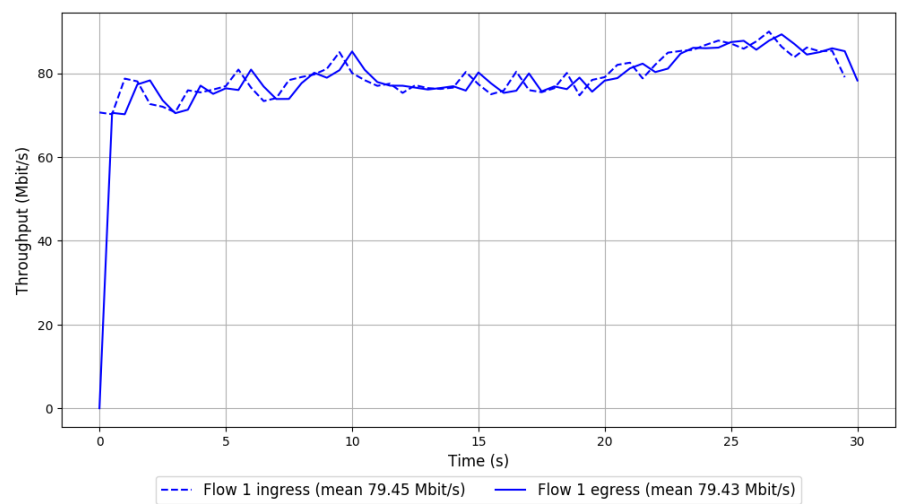
-- Flow 1:

Average throughput: 79.43 Mbit/s

95th percentile per-packet one-way delay: 11.282 ms

Loss rate: 0.03%

Run 9: Report of Verus — Data Link

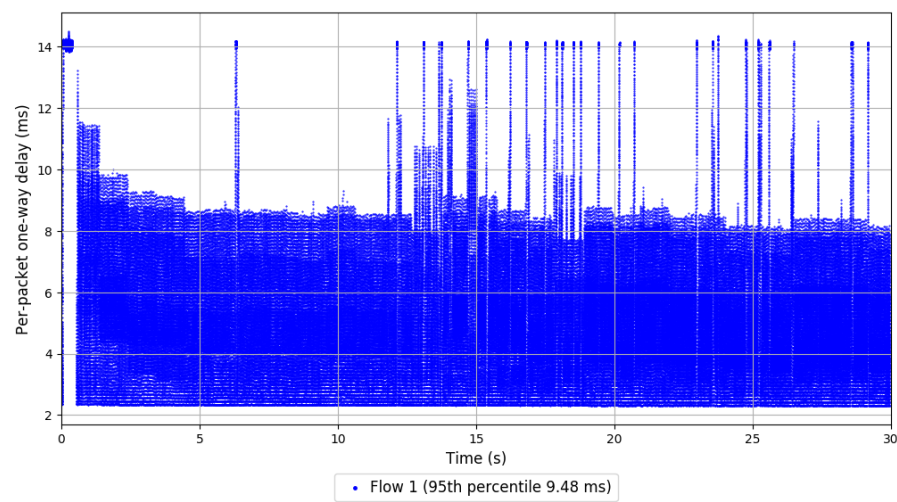
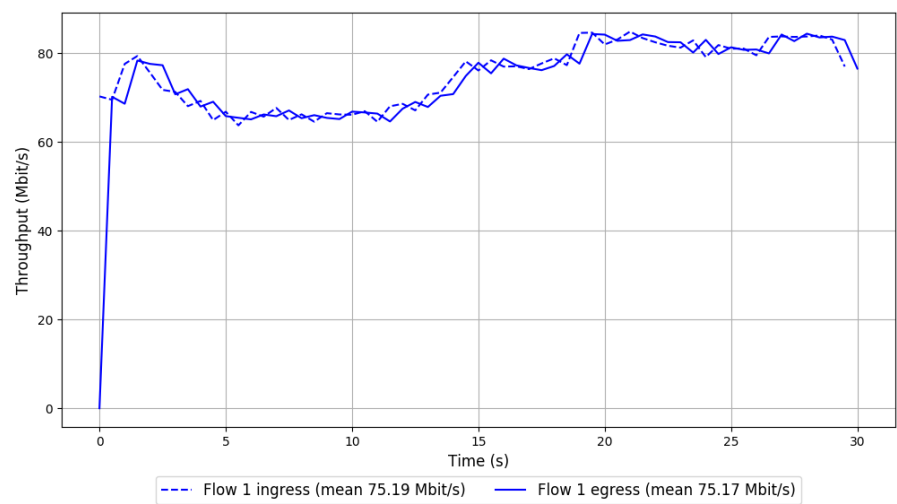


Run 10: Statistics of Verus

Start at: 2018-08-09 20:21:59
End at: 2018-08-09 20:22:29
Local clock offset: -2.204 ms
Remote clock offset: -2.757 ms

Below is generated by plot.py at 2018-08-09 20:56:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 9.484 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 9.484 ms
Loss rate: 0.04%

Run 10: Report of Verus — Data Link

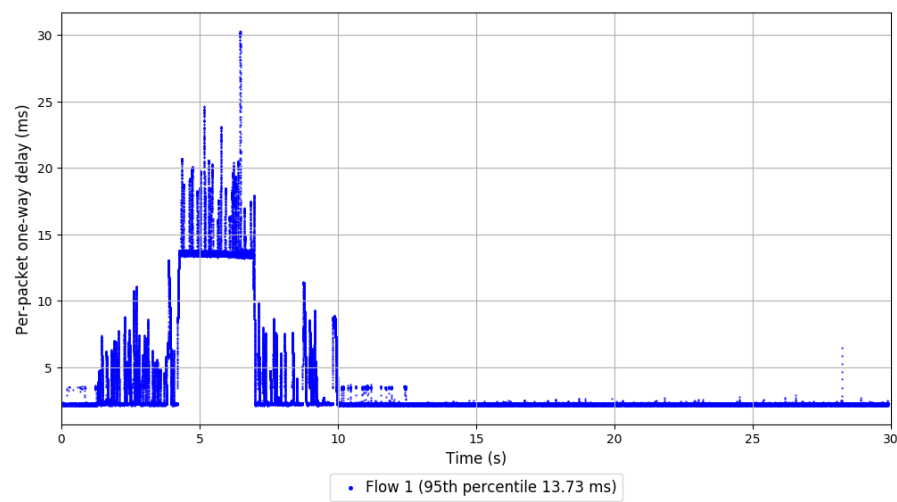
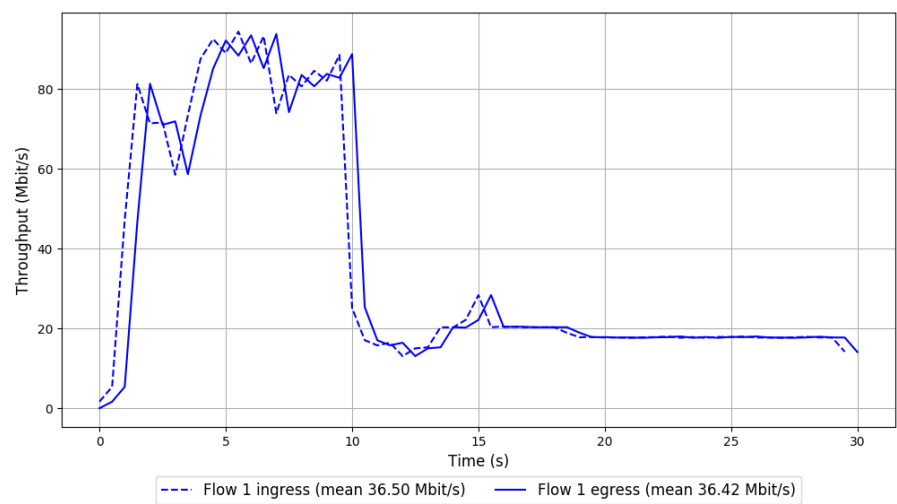


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 17:31:45
End at: 2018-08-09 17:32:15
Local clock offset: -7.613 ms
Remote clock offset: -6.588 ms

Below is generated by plot.py at 2018-08-09 20:56:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 13.729 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 13.729 ms
Loss rate: 0.22%

Run 1: Report of PCC-Vivace — Data Link

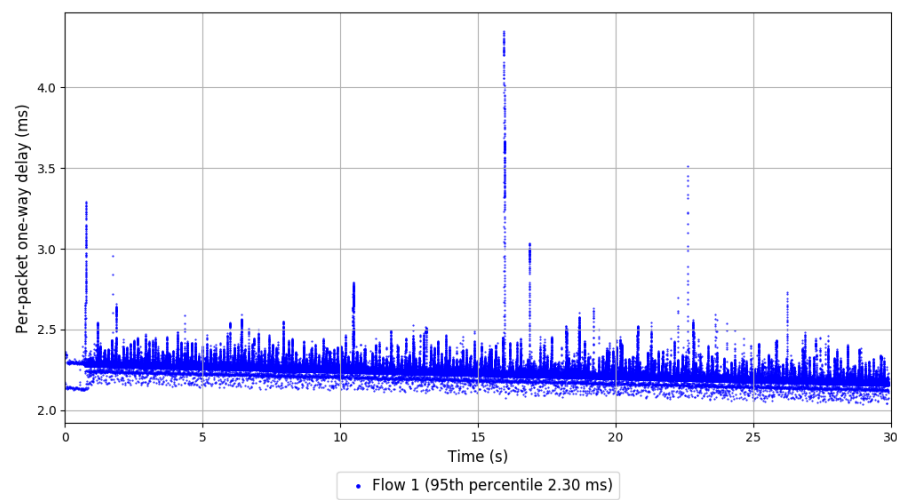
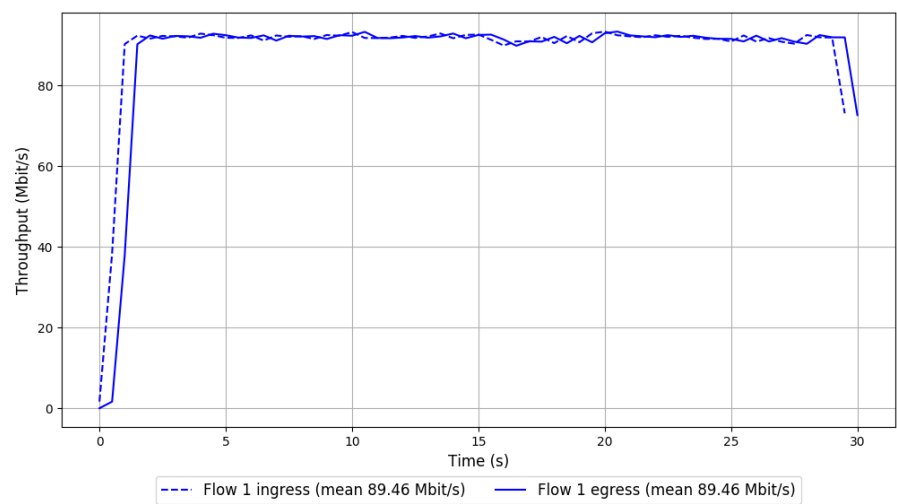


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 17:50:44
End at: 2018-08-09 17:51:14
Local clock offset: -7.172 ms
Remote clock offset: -7.304 ms

Below is generated by plot.py at 2018-08-09 20:56:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link

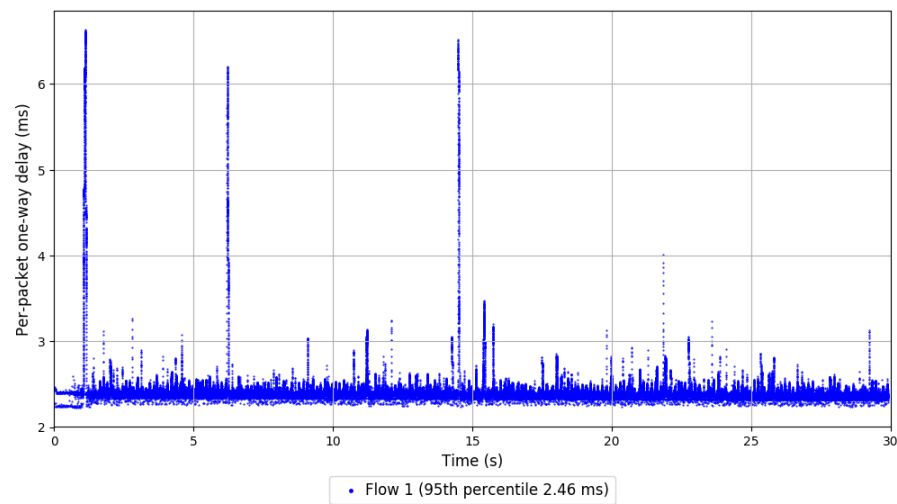
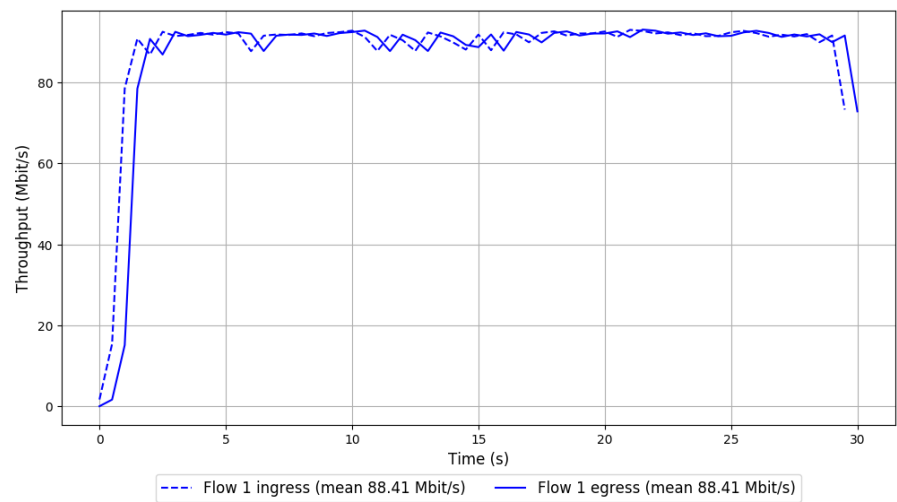


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 18:09:47
End at: 2018-08-09 18:10:17
Local clock offset: -6.566 ms
Remote clock offset: -9.064 ms

Below is generated by plot.py at 2018-08-09 20:56:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

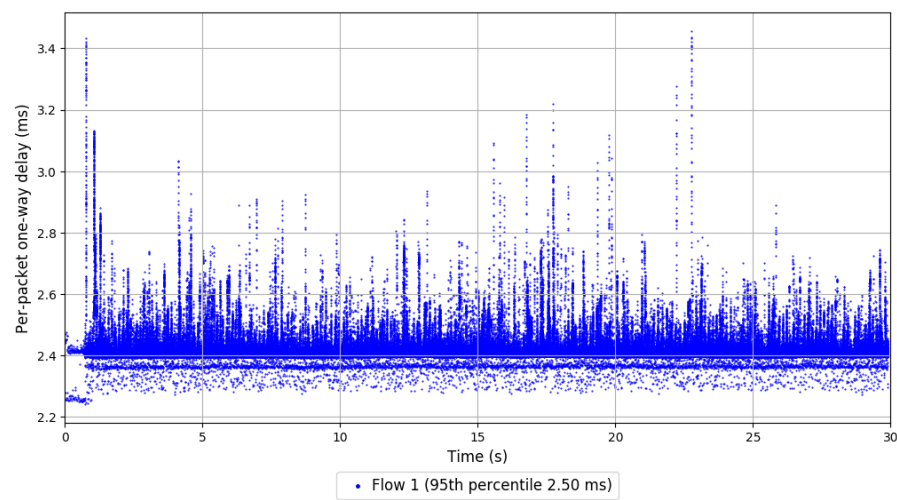
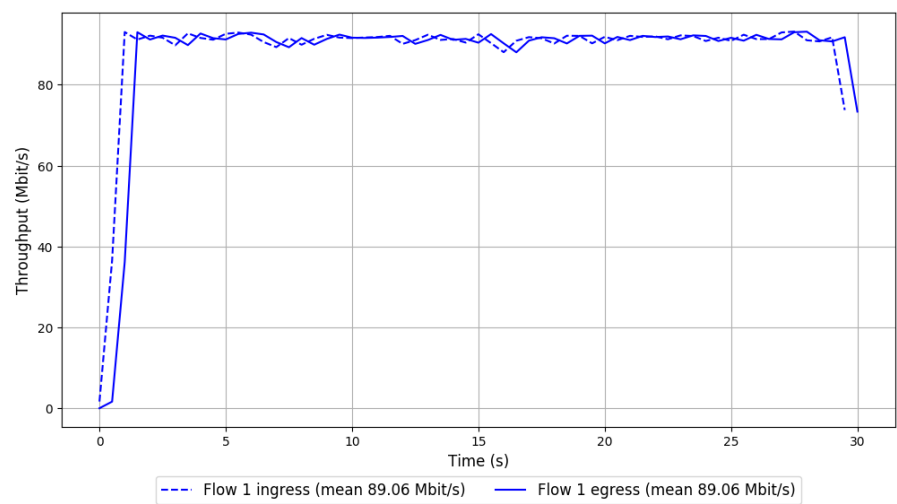


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 18:28:50
End at: 2018-08-09 18:29:20
Local clock offset: -7.229 ms
Remote clock offset: -9.568 ms

Below is generated by plot.py at 2018-08-09 20:56:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link

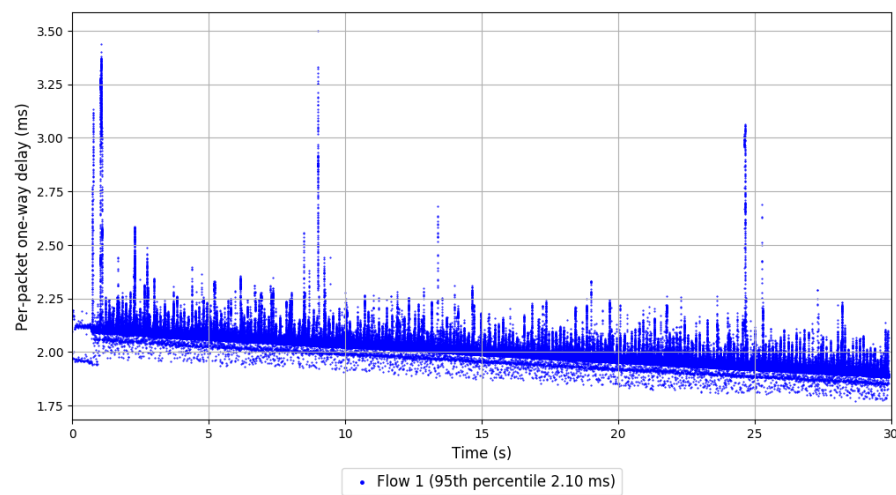
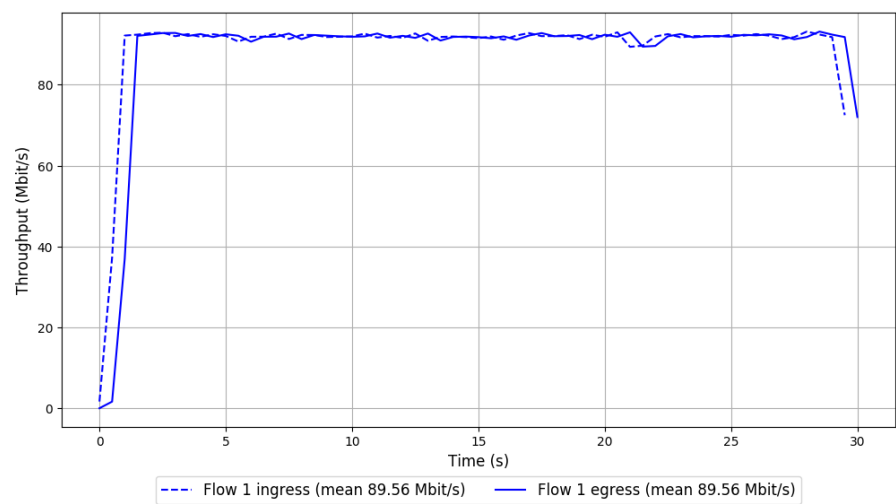


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 18:47:52
End at: 2018-08-09 18:48:23
Local clock offset: -6.436 ms
Remote clock offset: -9.958 ms

Below is generated by plot.py at 2018-08-09 20:57:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 2.105 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 2.105 ms
Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link

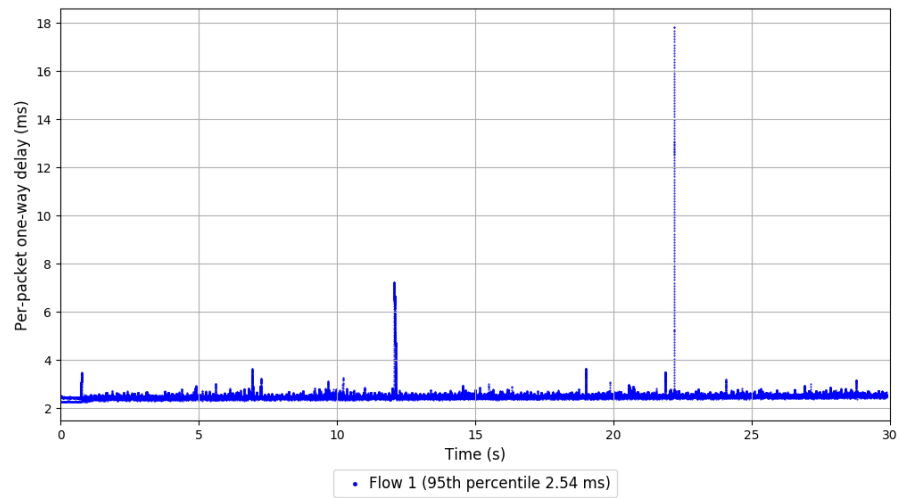
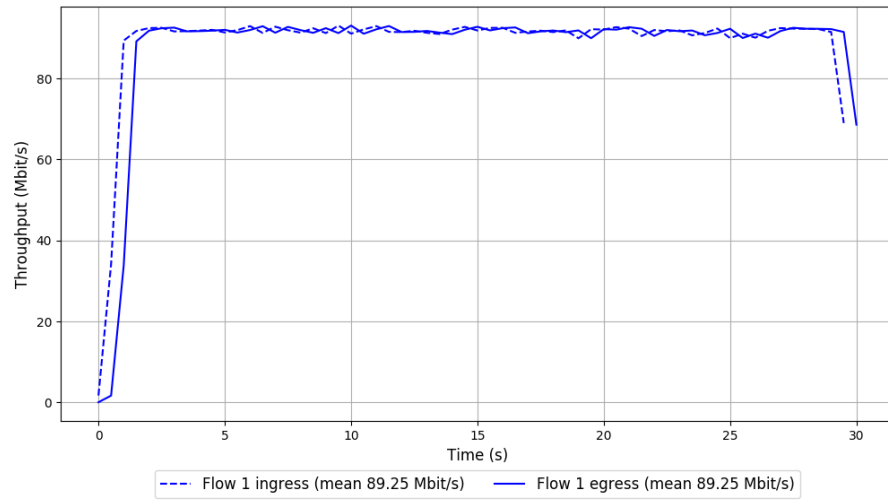


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 19:06:55
End at: 2018-08-09 19:07:25
Local clock offset: -2.375 ms
Remote clock offset: -3.982 ms

Below is generated by plot.py at 2018-08-09 20:57:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.02%

Run 6: Report of PCC-Vivace — Data Link

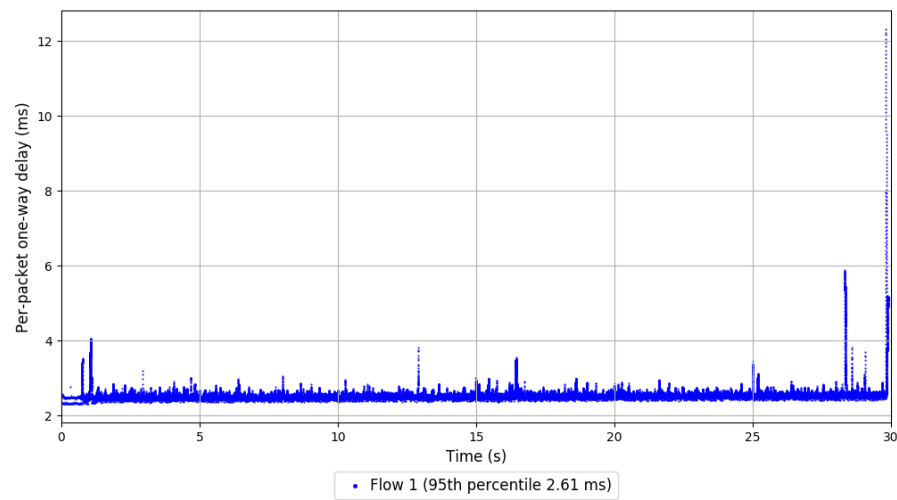
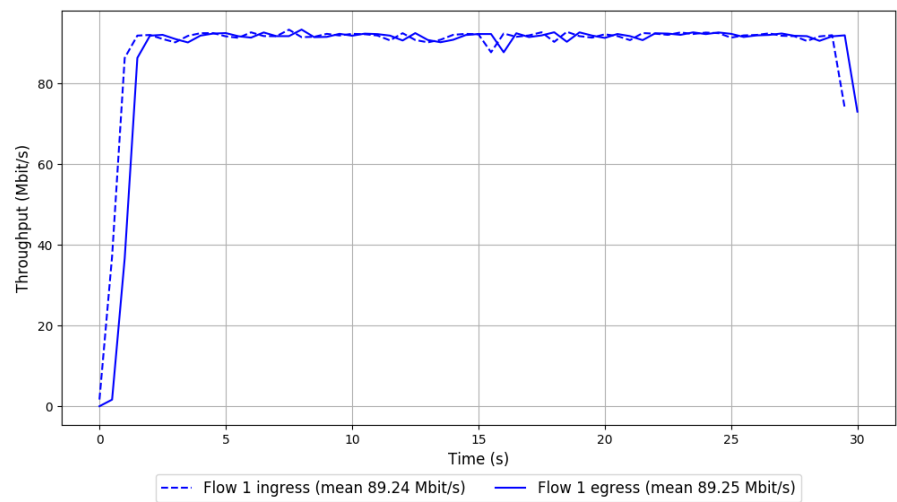


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 19:25:58
End at: 2018-08-09 19:26:28
Local clock offset: -2.751 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-08-09 20:57:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 2.606 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 2.606 ms
Loss rate: 0.03%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 19:45:01

End at: 2018-08-09 19:45:31

Local clock offset: -2.622 ms

Remote clock offset: 1.545 ms

Below is generated by plot.py at 2018-08-09 20:57:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 2.489 ms

Loss rate: 0.02%

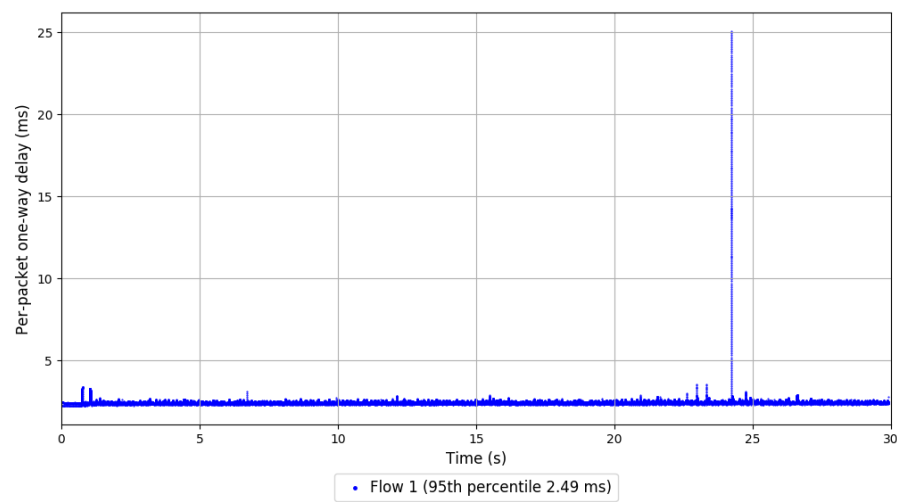
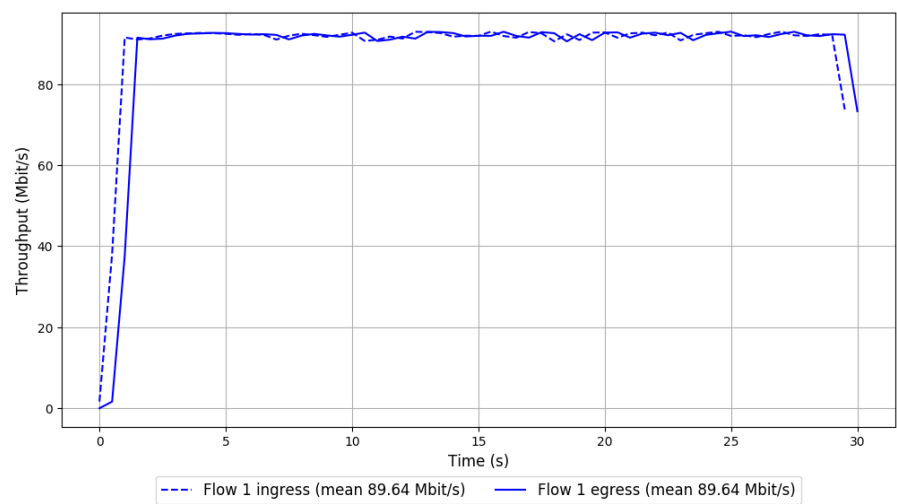
-- Flow 1:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 2.489 ms

Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 20:04:03

End at: 2018-08-09 20:04:33

Local clock offset: -2.122 ms

Remote clock offset: 3.029 ms

Below is generated by plot.py at 2018-08-09 20:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 2.185 ms

Loss rate: 0.01%

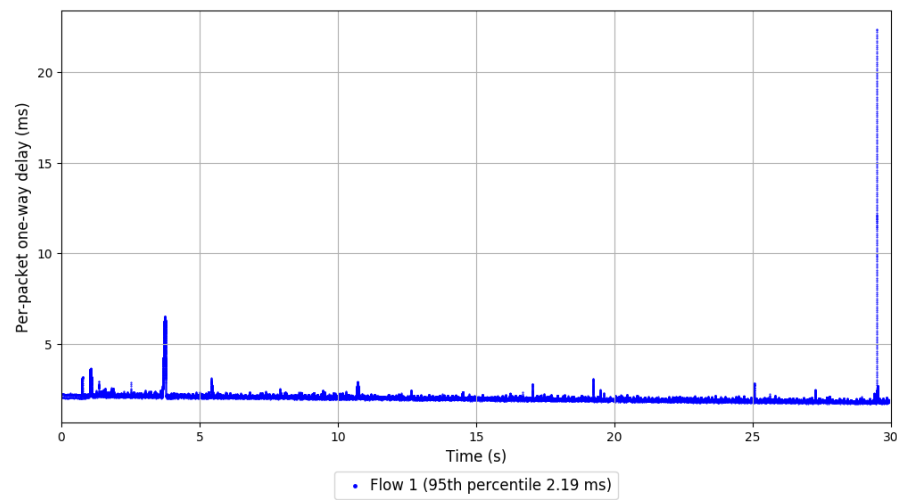
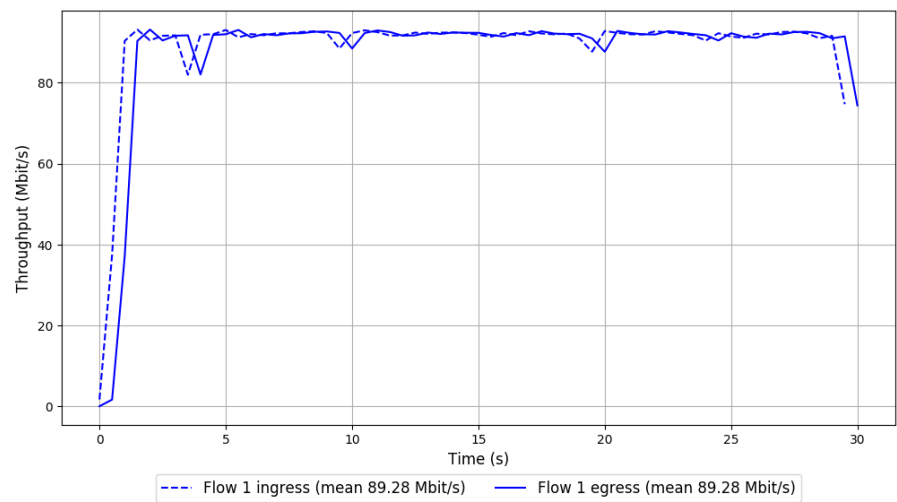
-- Flow 1:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 2.185 ms

Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 20:23:06

End at: 2018-08-09 20:23:36

Local clock offset: -2.224 ms

Remote clock offset: -3.046 ms

Below is generated by plot.py at 2018-08-09 20:57:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 2.588 ms

Loss rate: 0.01%

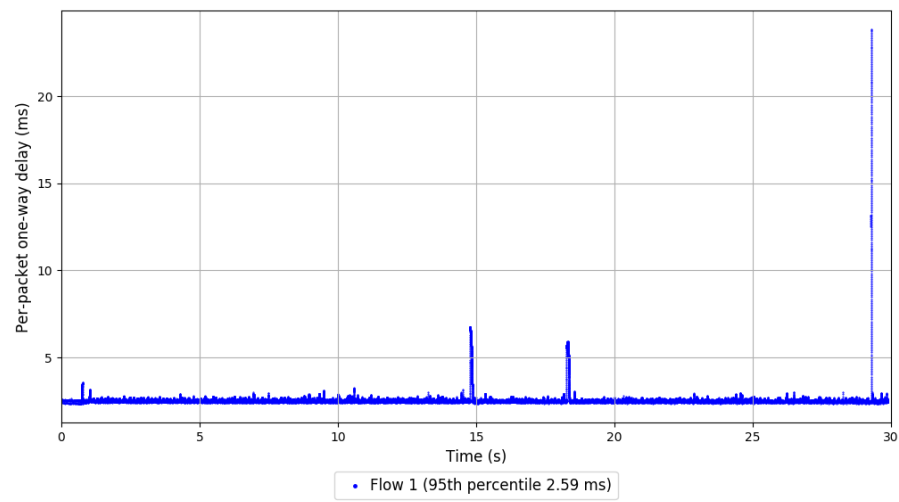
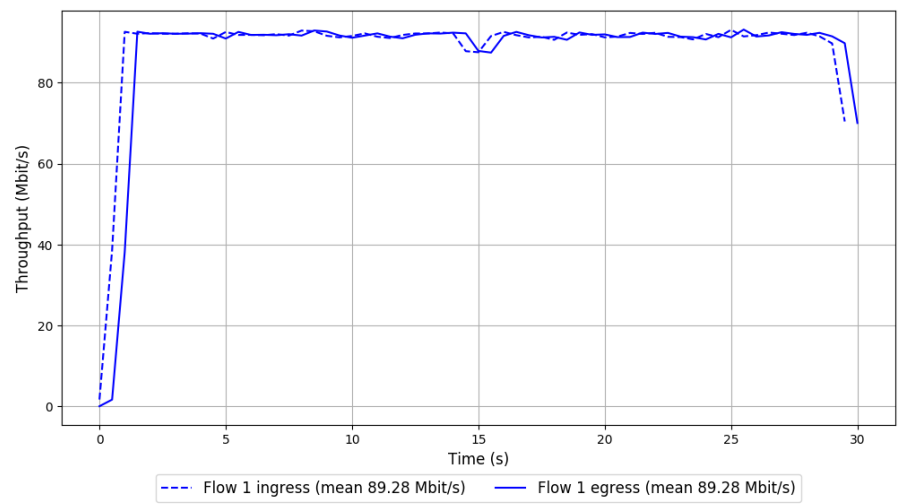
-- Flow 1:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 2.588 ms

Loss rate: 0.01%

Run 10: Report of PCC-Vivace — Data Link

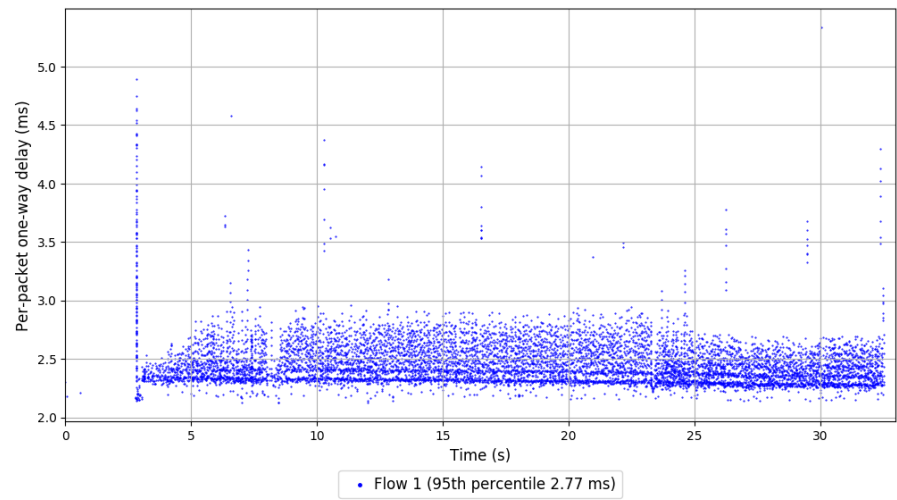
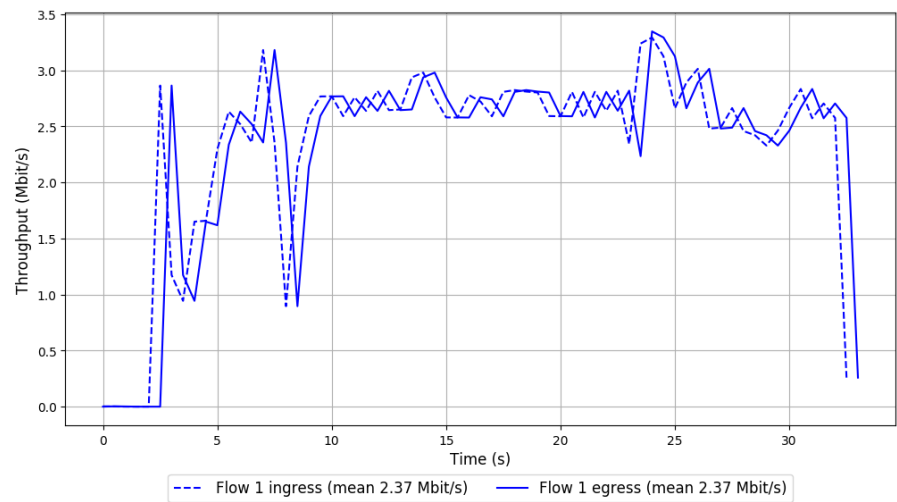


Run 1: Statistics of WebRTC media

Start at: 2018-08-09 17:20:38
End at: 2018-08-09 17:21:08
Local clock offset: -8.257 ms
Remote clock offset: -6.779 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.773 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

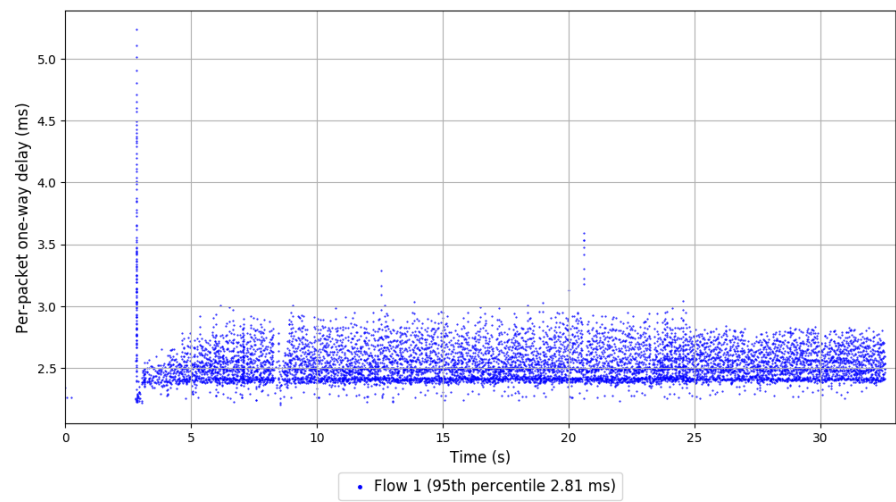
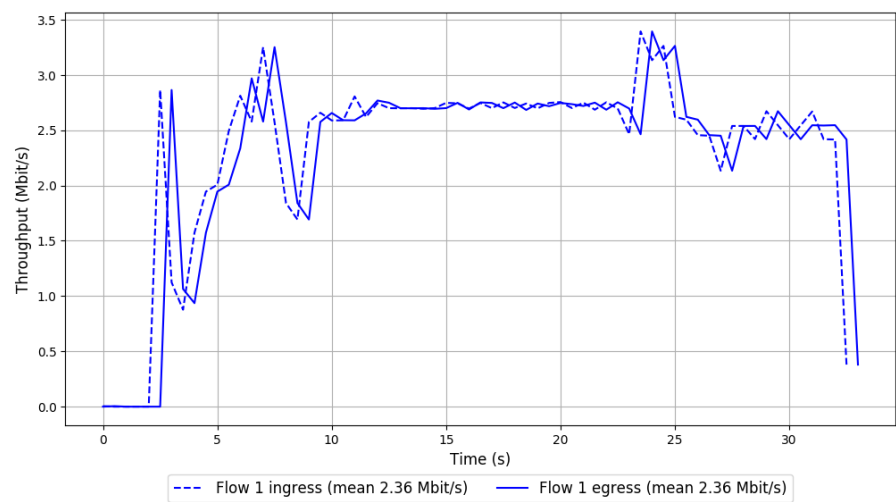


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 17:39:37
End at: 2018-08-09 17:40:07
Local clock offset: -7.586 ms
Remote clock offset: -6.549 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.809 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

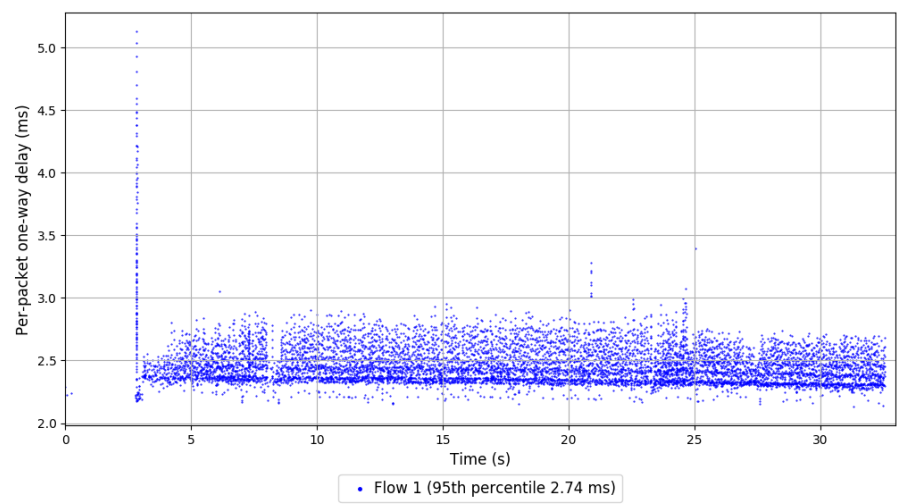
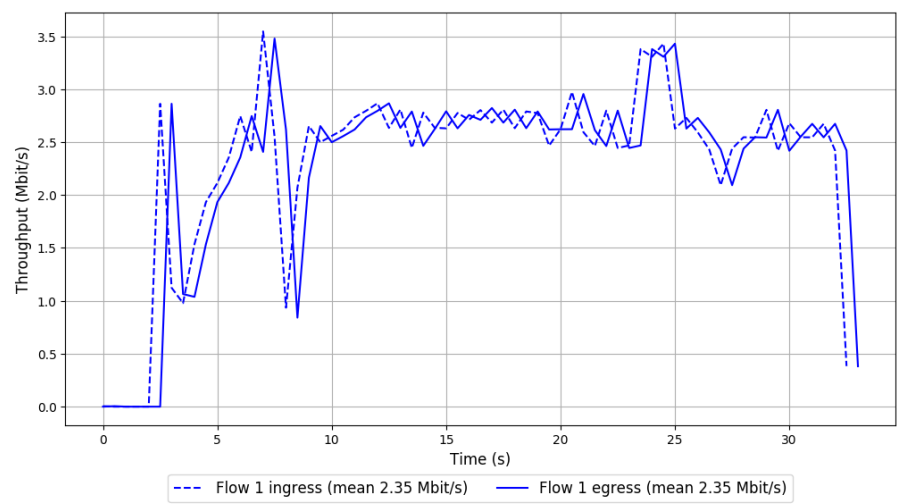


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 17:58:39
End at: 2018-08-09 17:59:09
Local clock offset: -6.838 ms
Remote clock offset: -8.384 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.742 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

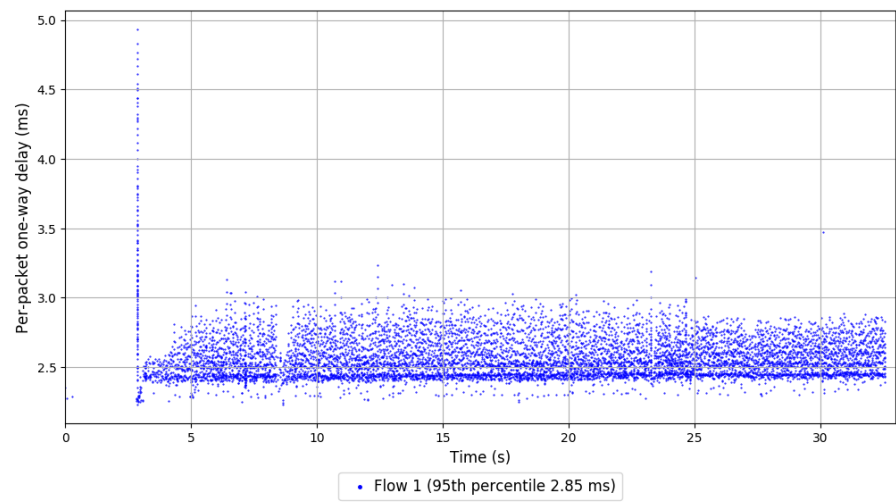
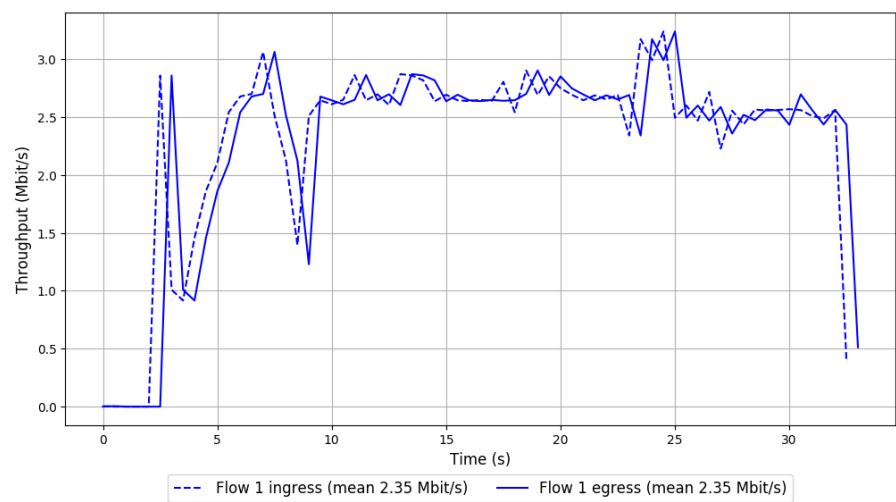


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 18:17:42
End at: 2018-08-09 18:18:12
Local clock offset: -6.667 ms
Remote clock offset: -9.266 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.846 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

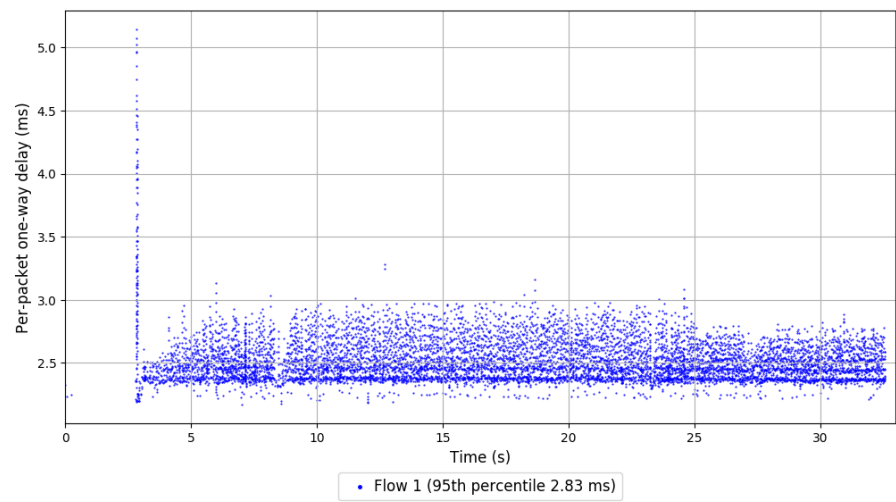
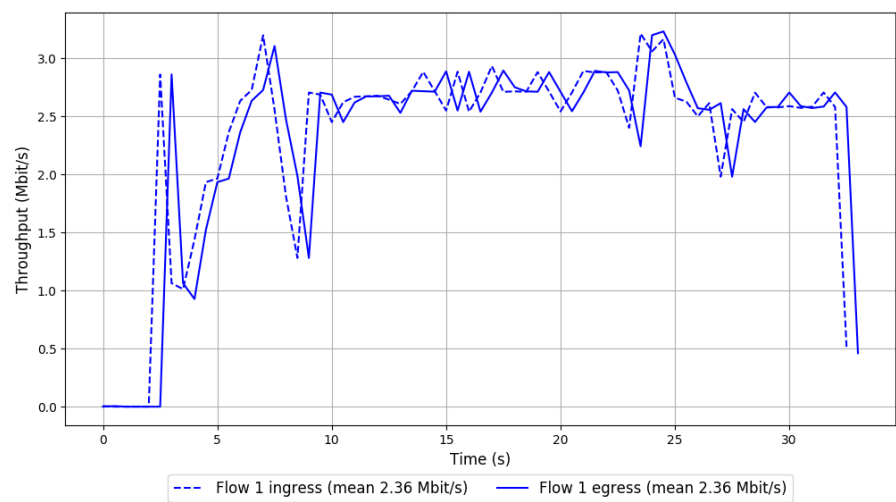


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 18:36:45
End at: 2018-08-09 18:37:15
Local clock offset: -7.422 ms
Remote clock offset: -9.743 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.04%

Run 5: Report of WebRTC media — Data Link

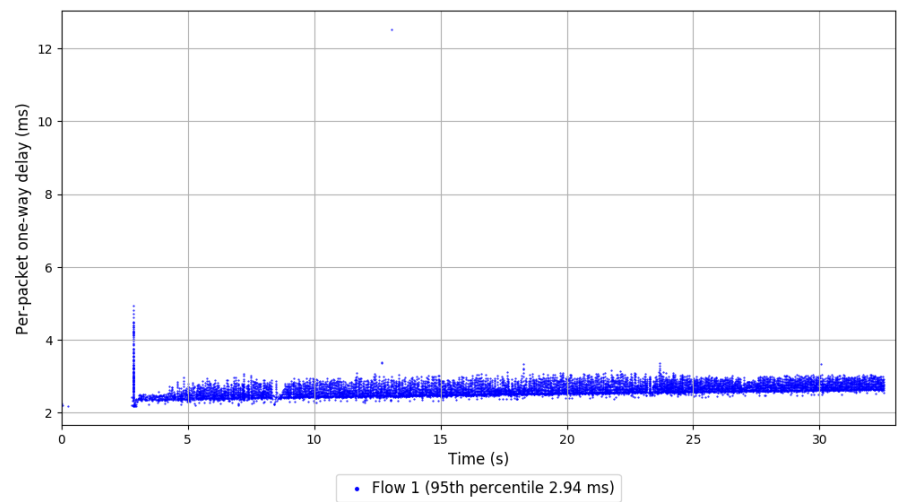
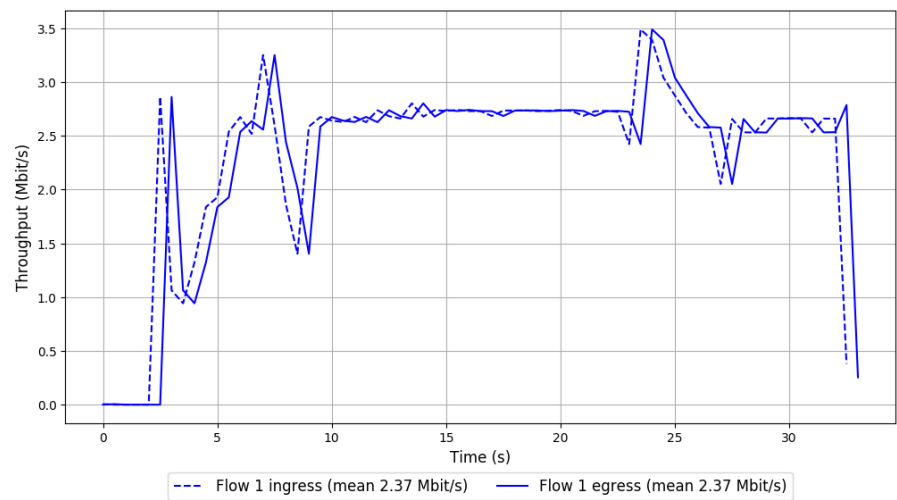


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 18:55:48
End at: 2018-08-09 18:56:18
Local clock offset: -3.978 ms
Remote clock offset: -9.506 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link

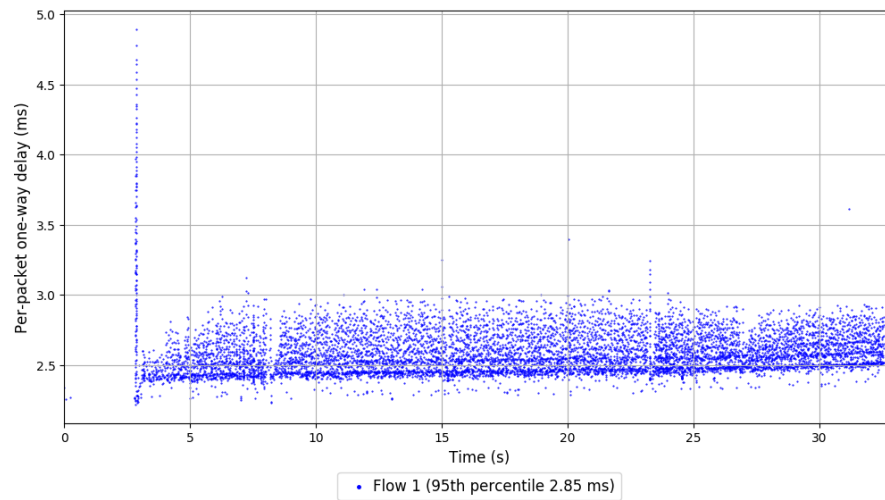
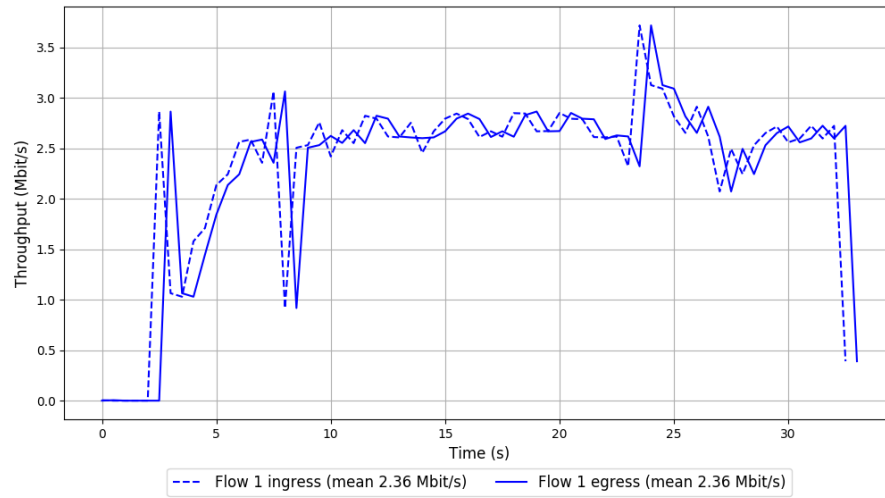


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 19:14:50
End at: 2018-08-09 19:15:20
Local clock offset: -1.922 ms
Remote clock offset: -2.171 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.854 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.854 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-09 19:33:53

End at: 2018-08-09 19:34:23

Local clock offset: -2.866 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-08-09 20:57:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.911 ms

Loss rate: 0.00%

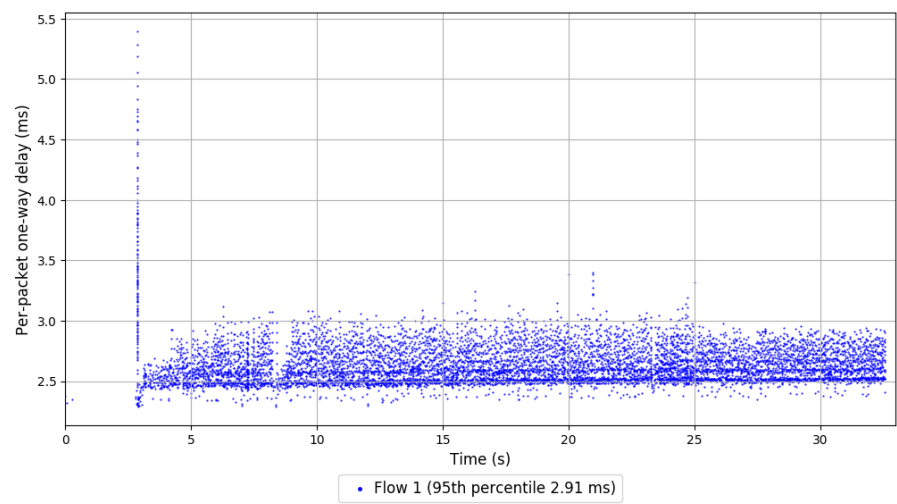
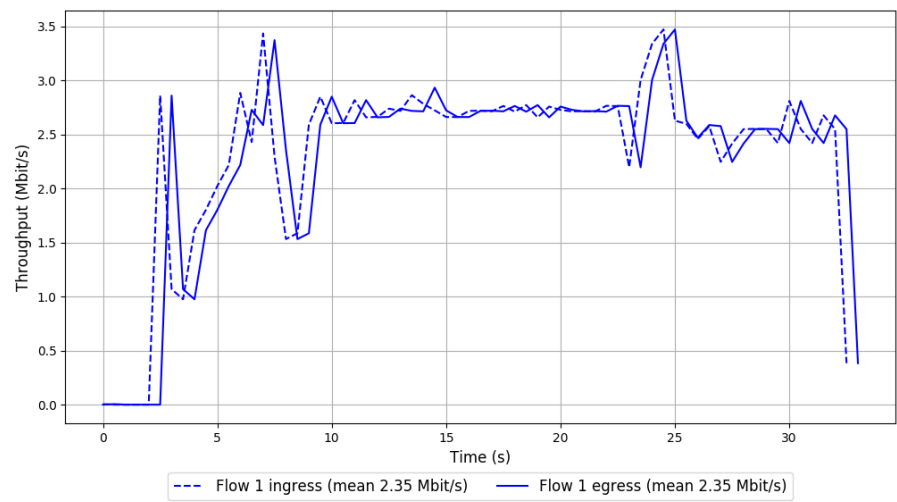
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.911 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 19:52:56

End at: 2018-08-09 19:53:26

Local clock offset: -2.432 ms

Remote clock offset: 2.379 ms

Below is generated by plot.py at 2018-08-09 20:57:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 2.879 ms

Loss rate: 0.00%

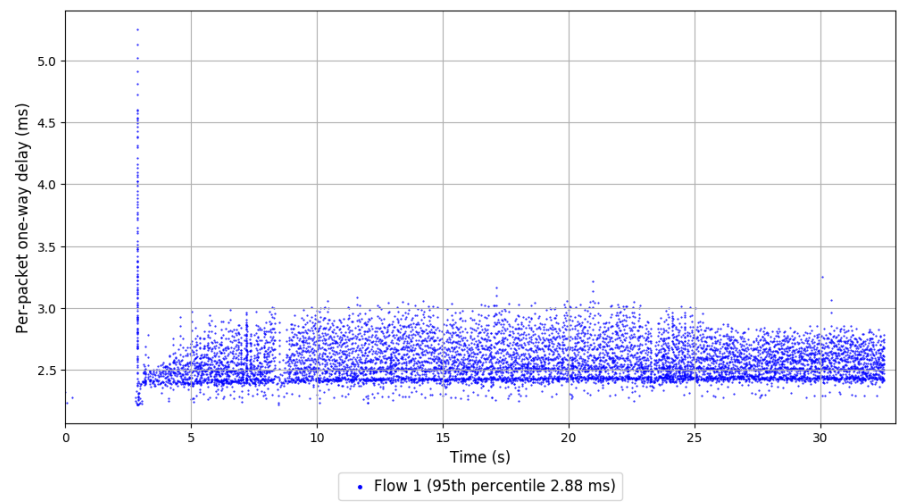
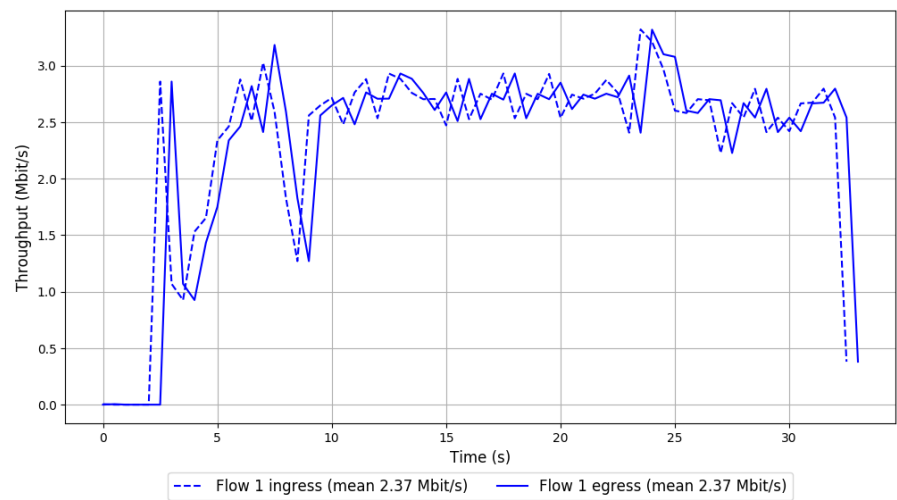
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 2.879 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 20:11:58
End at: 2018-08-09 20:12:28
Local clock offset: -1.875 ms
Remote clock offset: -0.972 ms

Below is generated by plot.py at 2018-08-09 20:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.08%

Run 10: Report of WebRTC media — Data Link

