

Pantheon Report

Generated at 2018-06-05 22:53:04 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

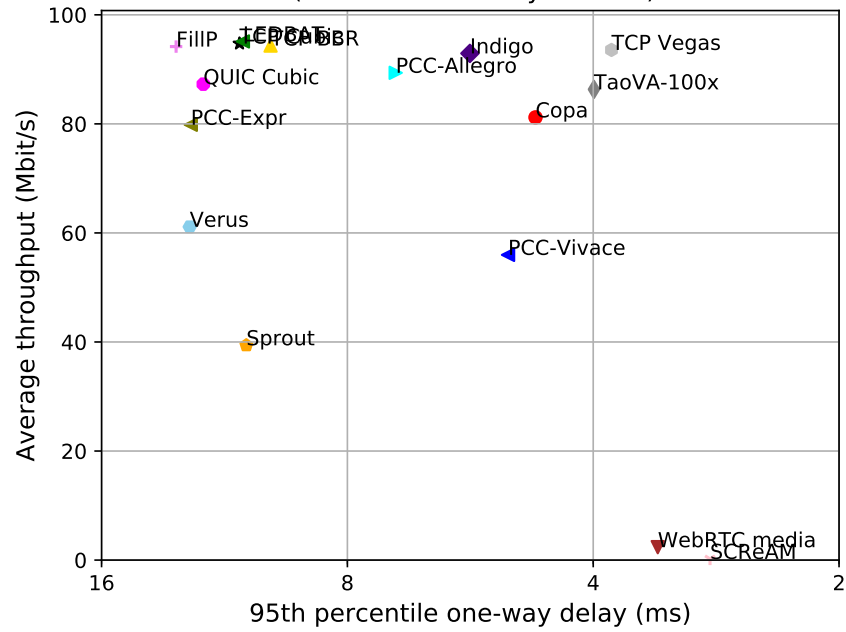
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

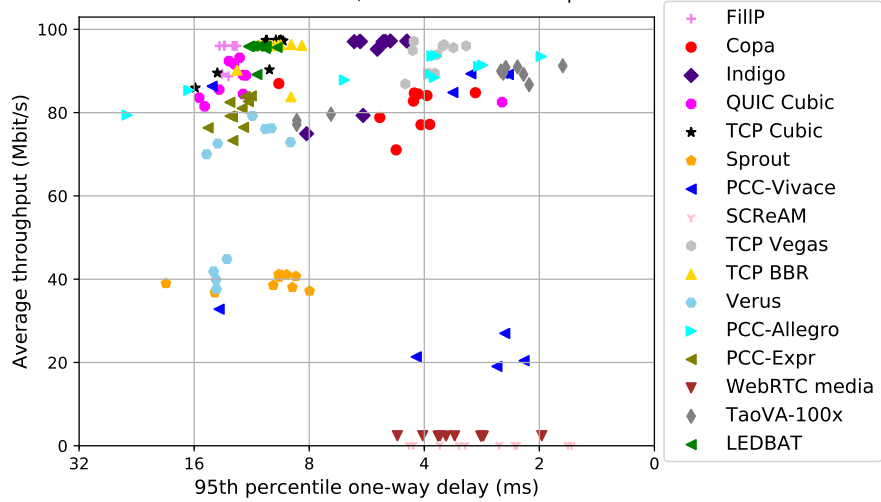
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Brazil to AWS Brazil 1, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Brazil to AWS Brazil 1, 10 runs of 30s each per scheme



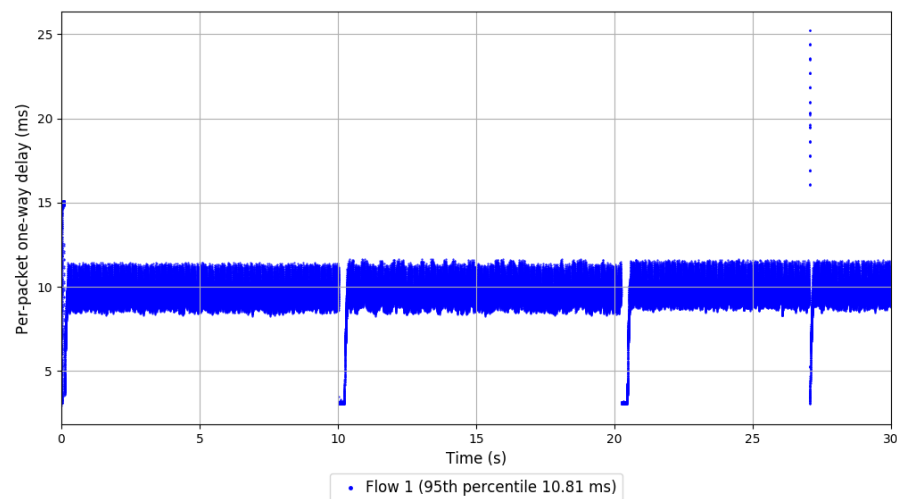
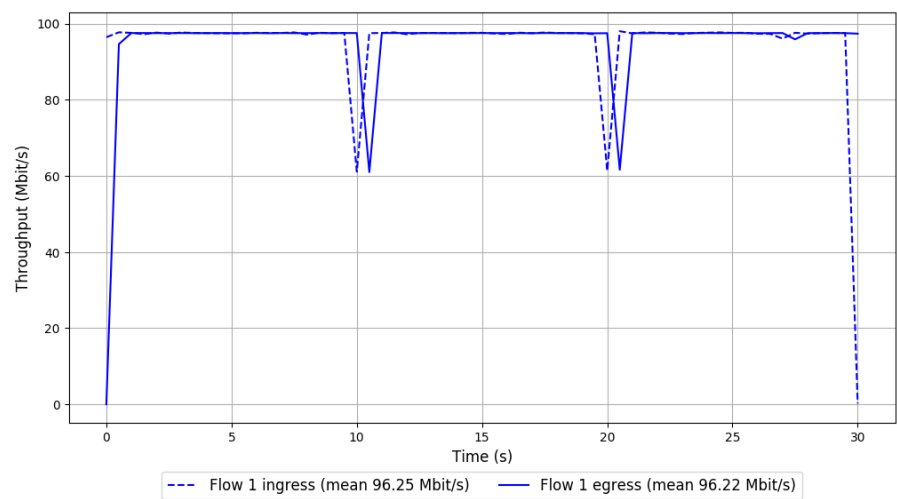
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.36	9.93	0.04
Copa	10	81.19	4.71	0.02
TCP Cubic	10	94.73	10.84	0.05
FillP	10	94.17	12.97	0.04
Indigo	10	92.93	5.66	0.02
LEDBAT	10	95.12	10.74	0.08
PCC-Allegro	10	89.36	6.98	0.22
PCC-Expr	10	79.83	12.44	0.10
QUIC Cubic	10	87.28	12.01	0.06
SCReAM	10	0.22	2.88	0.00
Sprout	10	39.40	10.64	0.03
TaoVA-100x	10	86.33	3.99	0.02
TCP Vegas	10	93.56	3.80	0.02
Verus	10	61.12	12.48	0.02
PCC-Vivace	10	55.97	5.09	0.04
WebRTC media	10	2.37	3.33	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 19:42:49
End at: 2018-06-05 19:43:19
Local clock offset: -0.607 ms
Remote clock offset: -1.901 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 10.809 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 10.809 ms
Loss rate: 0.04%

Run 1: Report of TCP BBR — Data Link

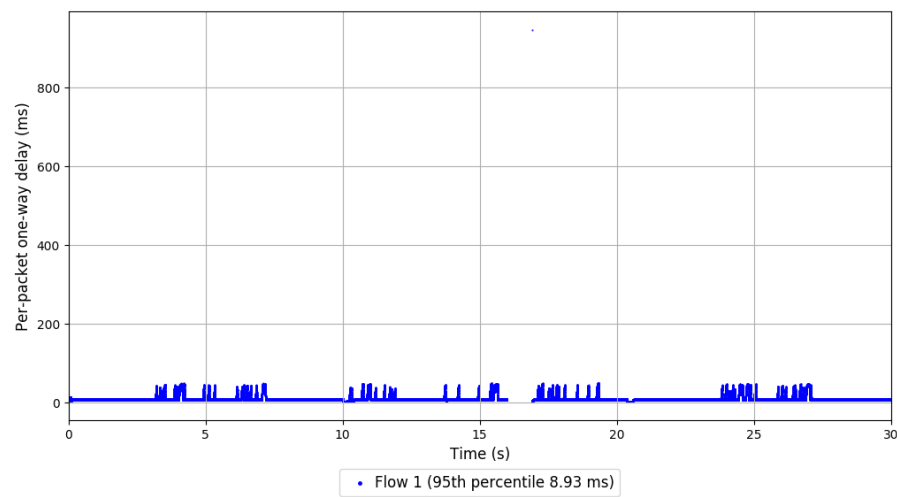
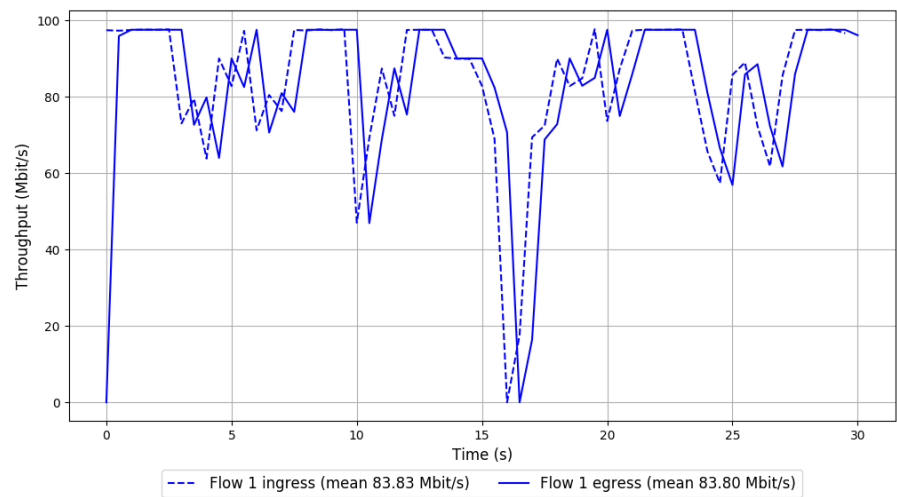


Run 2: Statistics of TCP BBR

Start at: 2018-06-05 20:00:41
End at: 2018-06-05 20:01:11
Local clock offset: 0.265 ms
Remote clock offset: -1.459 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 8.932 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 8.932 ms
Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-05 20:18:30

End at: 2018-06-05 20:19:00

Local clock offset: 2.48 ms

Remote clock offset: -1.261 ms

Below is generated by plot.py at 2018-06-05 22:32:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 8.364 ms

Loss rate: 0.03%

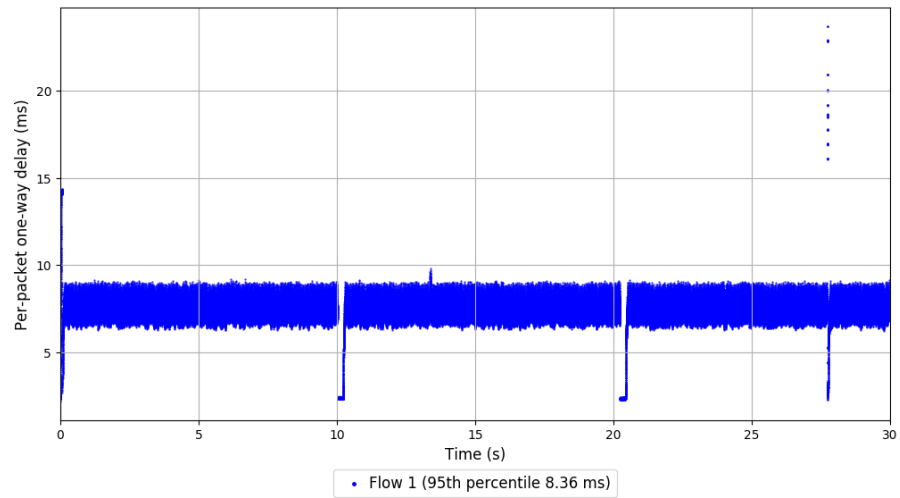
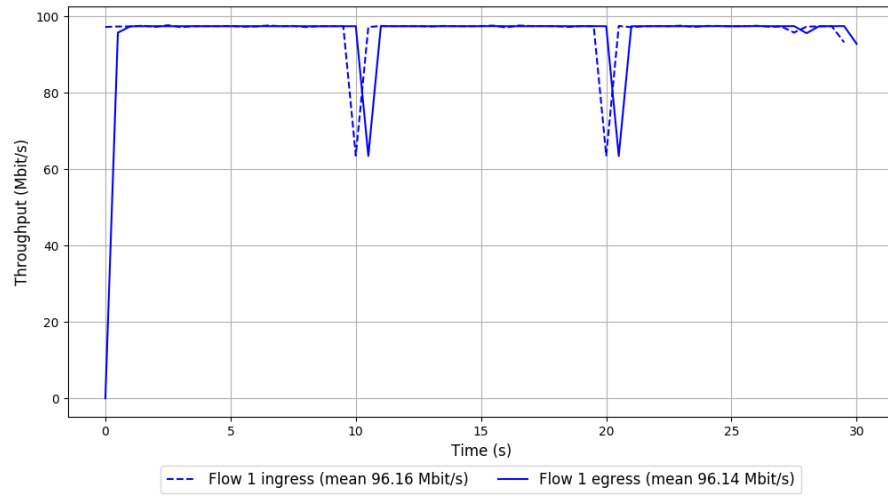
-- Flow 1:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 8.364 ms

Loss rate: 0.03%

Run 3: Report of TCP BBR — Data Link

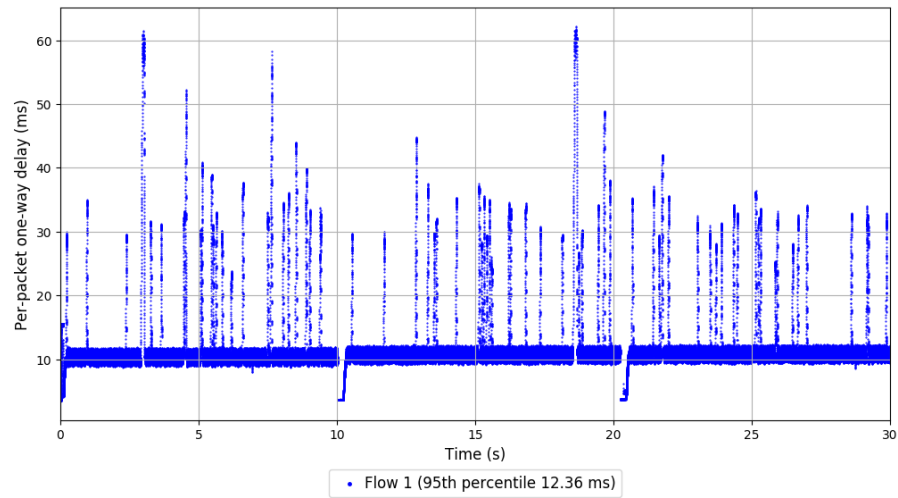
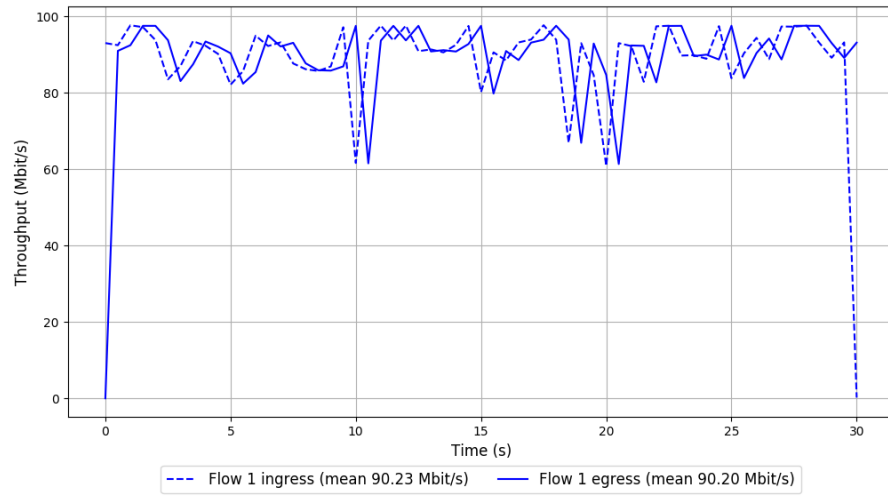


Run 4: Statistics of TCP BBR

Start at: 2018-06-05 20:36:18
End at: 2018-06-05 20:36:48
Local clock offset: 2.418 ms
Remote clock offset: -5.603 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 12.355 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 12.355 ms
Loss rate: 0.05%

Run 4: Report of TCP BBR — Data Link

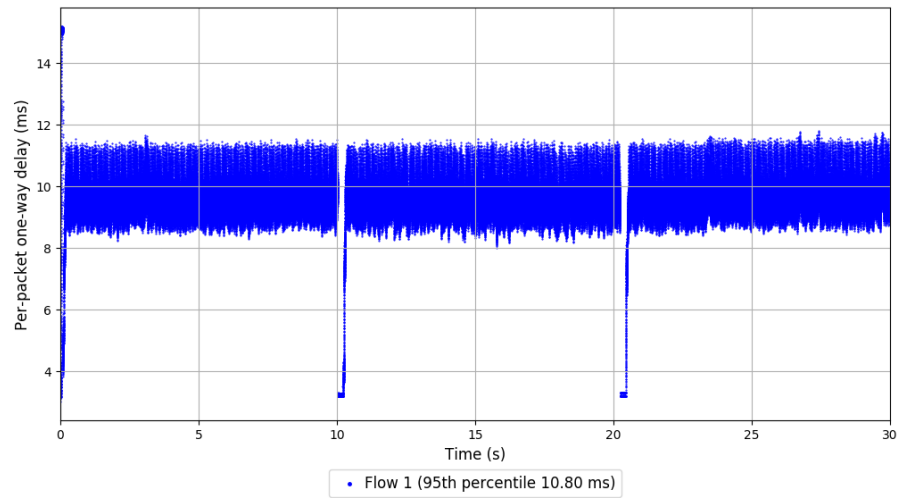
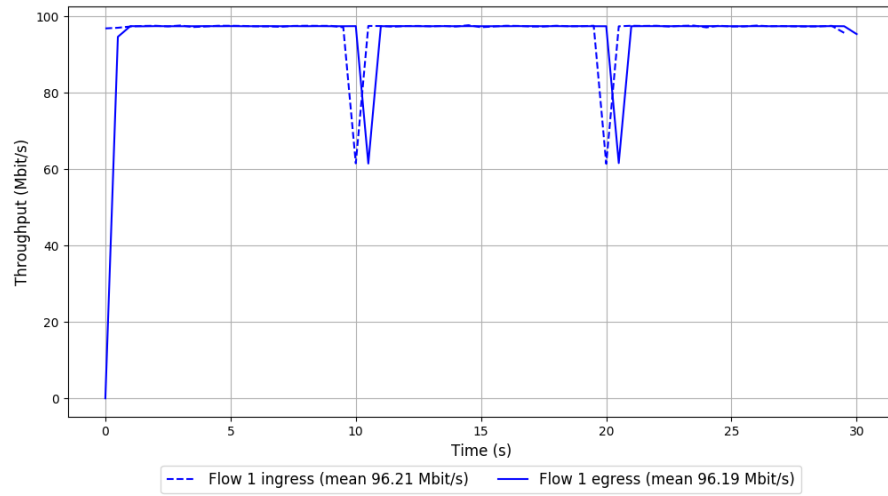


Run 5: Statistics of TCP BBR

Start at: 2018-06-05 20:54:06
End at: 2018-06-05 20:54:36
Local clock offset: -5.011 ms
Remote clock offset: -8.441 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 10.802 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 10.802 ms
Loss rate: 0.04%

Run 5: Report of TCP BBR — Data Link

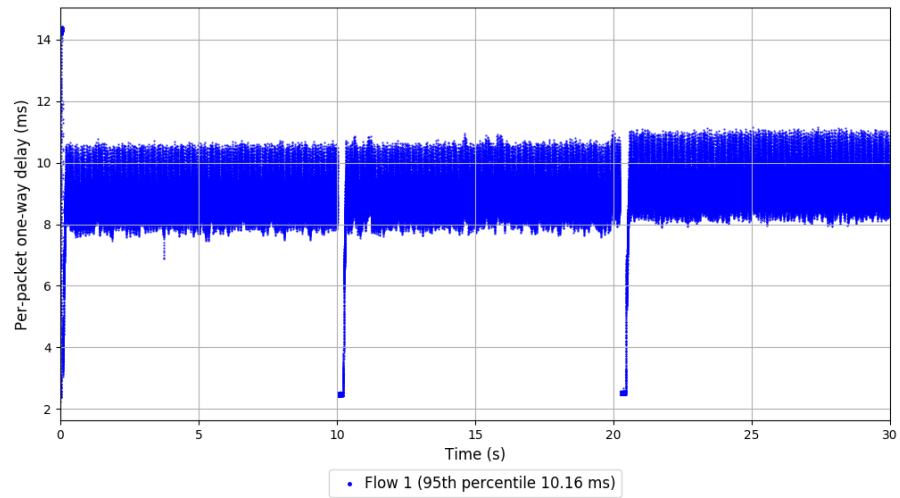
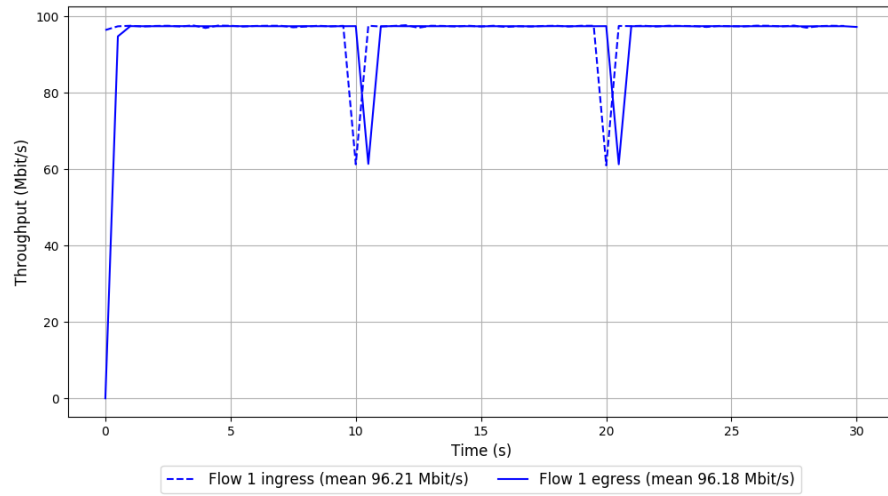


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 21:12:03
End at: 2018-06-05 21:12:33
Local clock offset: -6.614 ms
Remote clock offset: -3.633 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 10.158 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 10.158 ms
Loss rate: 0.04%

Run 6: Report of TCP BBR — Data Link

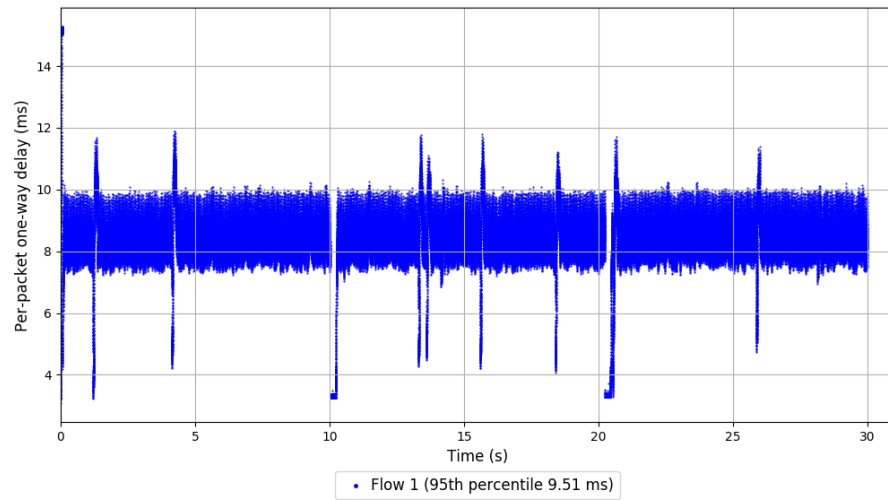
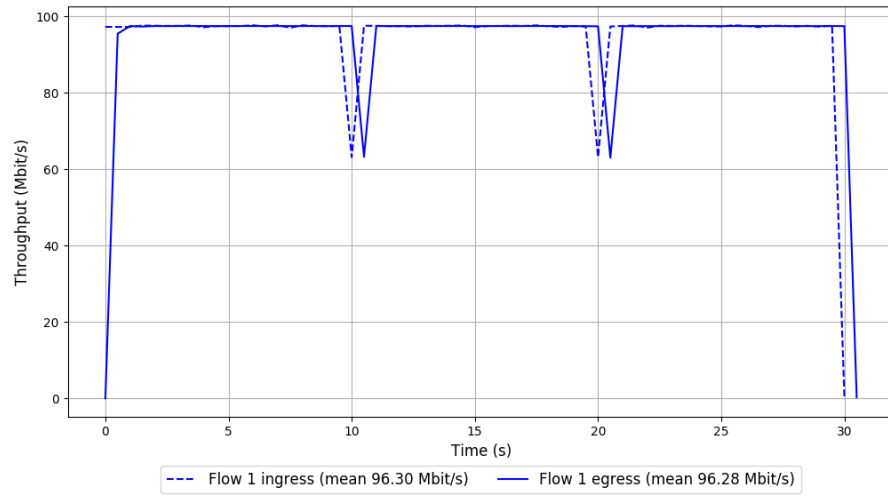


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 21:29:55
End at: 2018-06-05 21:30:25
Local clock offset: -6.312 ms
Remote clock offset: -0.993 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.511 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.511 ms
Loss rate: 0.03%

Run 7: Report of TCP BBR — Data Link

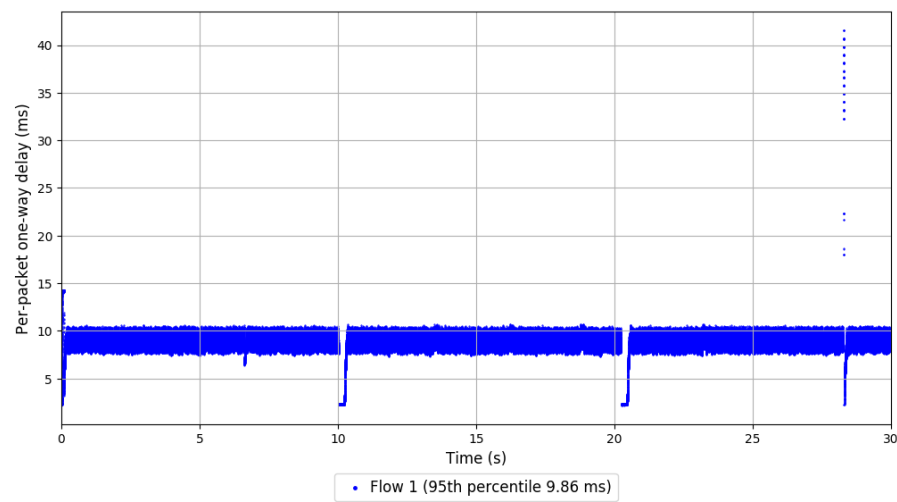
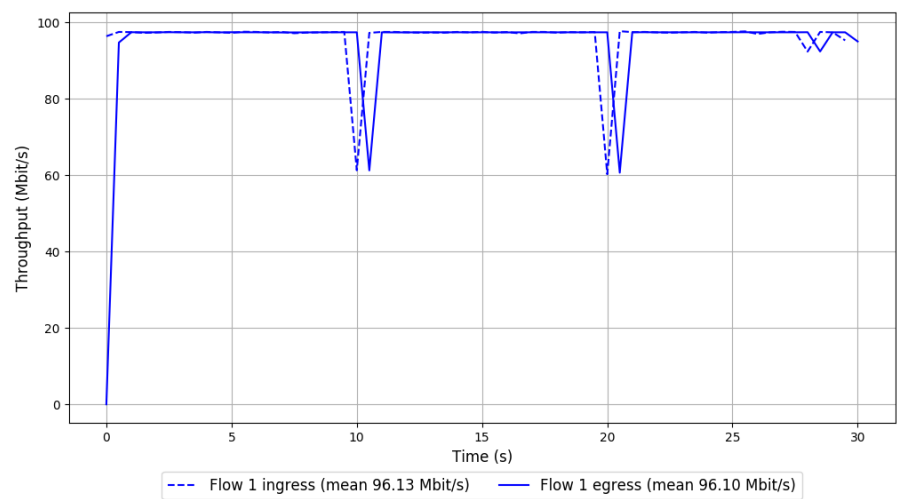


Run 8: Statistics of TCP BBR

Start at: 2018-06-05 21:47:50
End at: 2018-06-05 21:48:20
Local clock offset: -6.149 ms
Remote clock offset: -5.523 ms

Below is generated by plot.py at 2018-06-05 22:32:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 9.857 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 9.857 ms
Loss rate: 0.04%

Run 8: Report of TCP BBR — Data Link

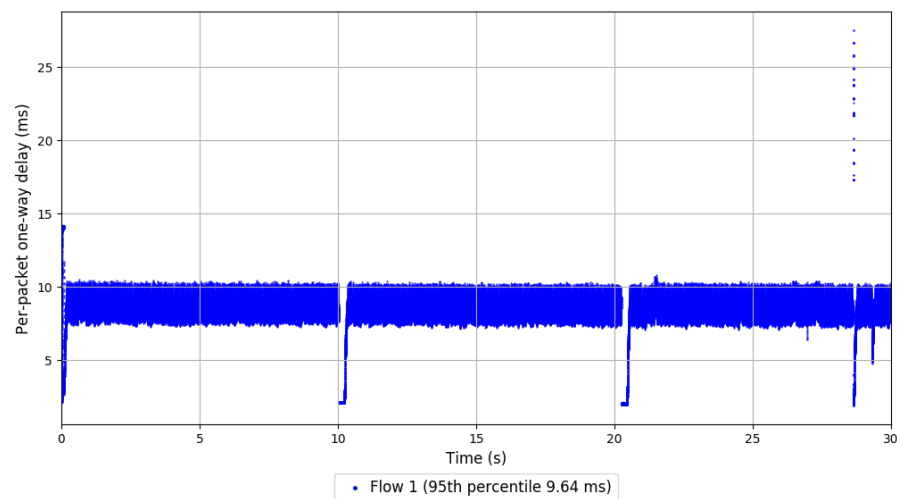
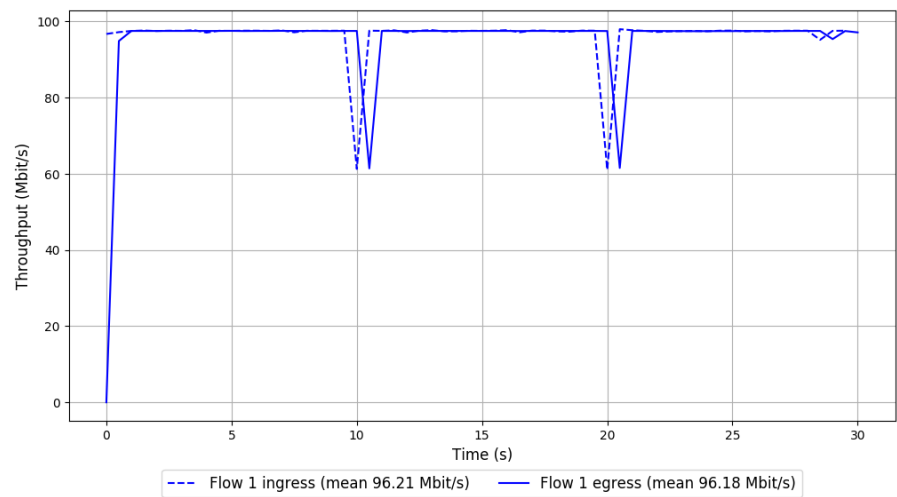


Run 9: Statistics of TCP BBR

Start at: 2018-06-05 22:05:45
End at: 2018-06-05 22:06:15
Local clock offset: -5.277 ms
Remote clock offset: -7.082 ms

Below is generated by plot.py at 2018-06-05 22:33:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 9.644 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 9.644 ms
Loss rate: 0.04%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 22:23:38

End at: 2018-06-05 22:24:08

Local clock offset: -0.833 ms

Remote clock offset: -7.078 ms

Below is generated by plot.py at 2018-06-05 22:33:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 8.917 ms

Loss rate: 0.03%

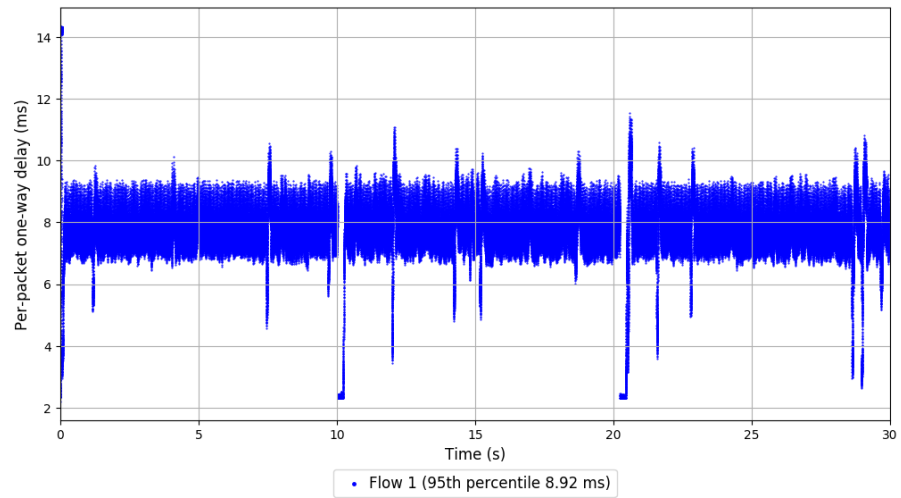
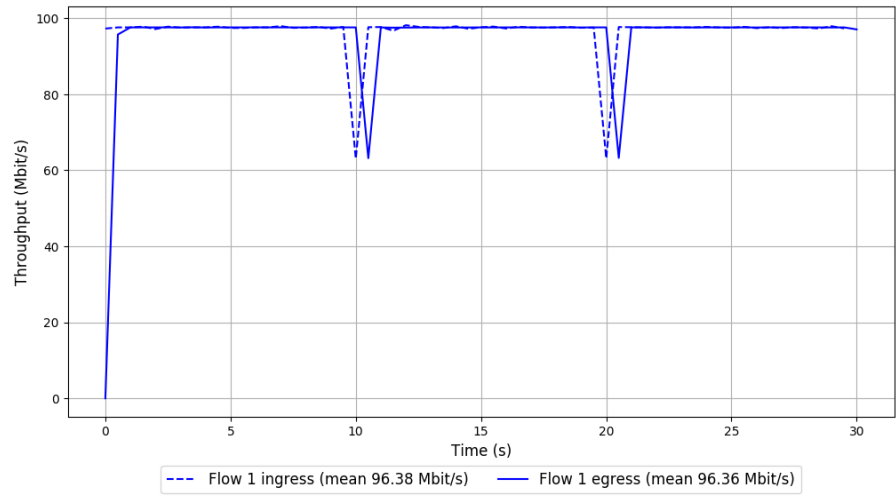
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 8.917 ms

Loss rate: 0.03%

Run 10: Report of TCP BBR — Data Link

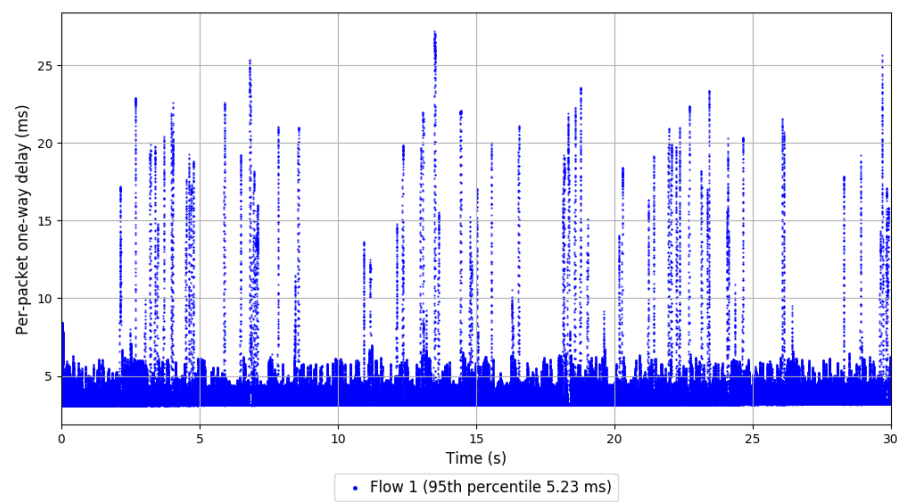
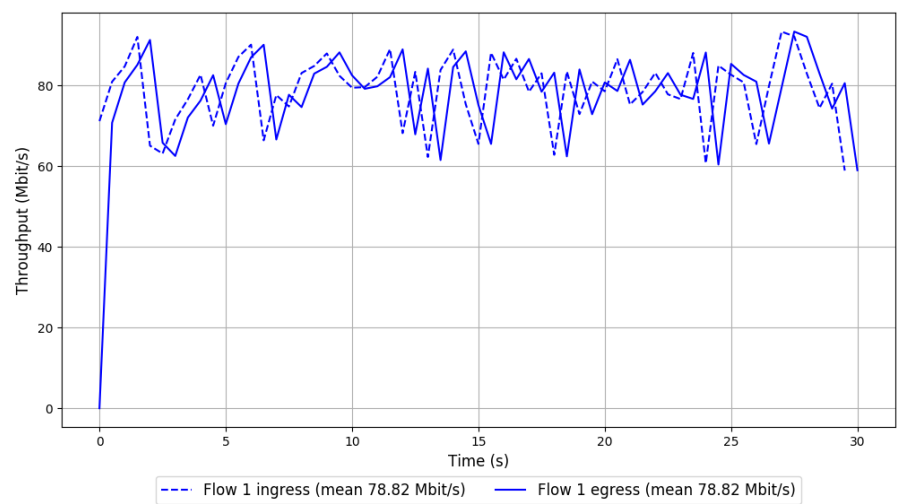


Run 1: Statistics of Copa

Start at: 2018-06-05 19:31:40
End at: 2018-06-05 19:32:10
Local clock offset: -3.757 ms
Remote clock offset: -3.122 ms

Below is generated by plot.py at 2018-06-05 22:34:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 5.229 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 5.229 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

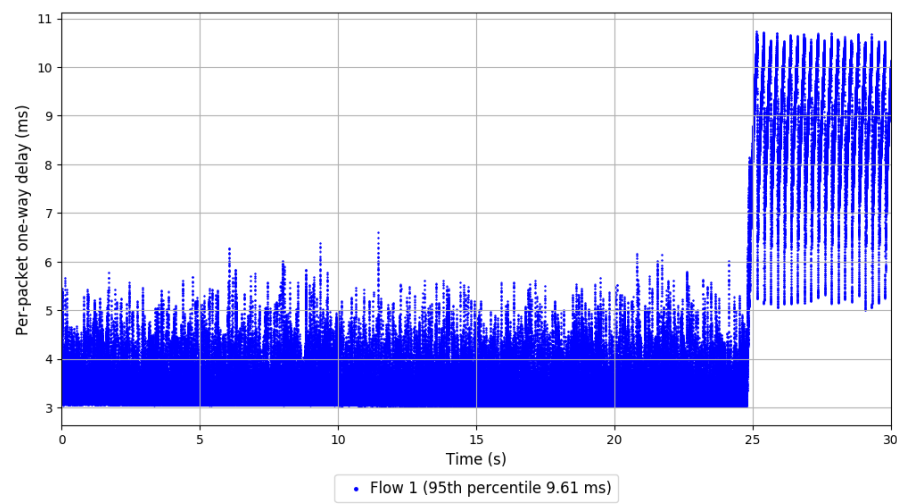
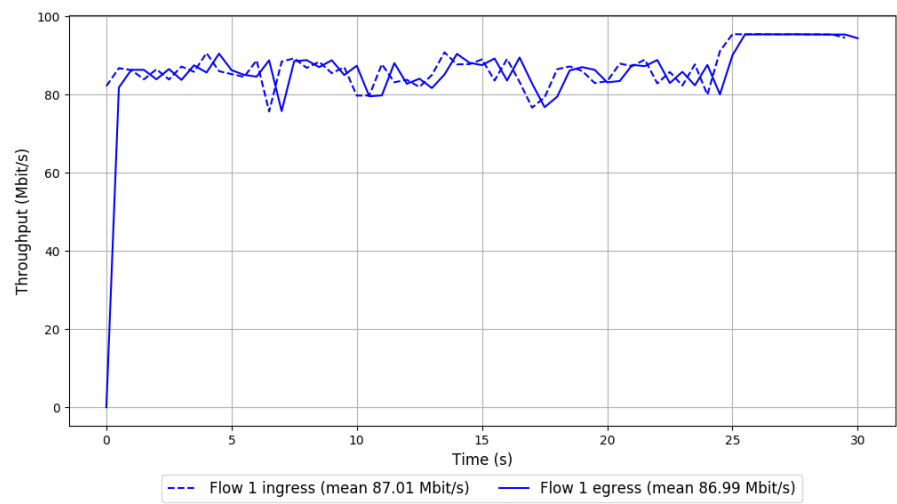


Run 2: Statistics of Copa

Start at: 2018-06-05 19:49:31
End at: 2018-06-05 19:50:01
Local clock offset: 0.593 ms
Remote clock offset: -1.559 ms

Below is generated by plot.py at 2018-06-05 22:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 9.608 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 9.608 ms
Loss rate: 0.04%

Run 2: Report of Copa — Data Link

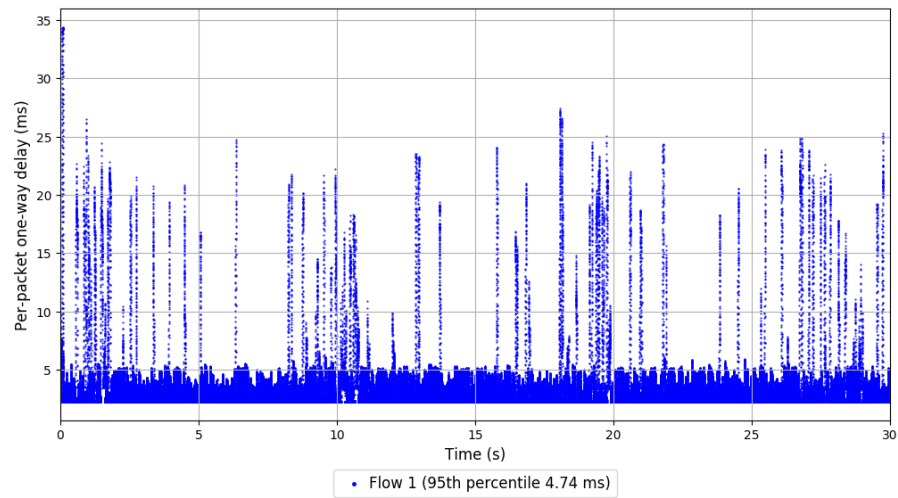
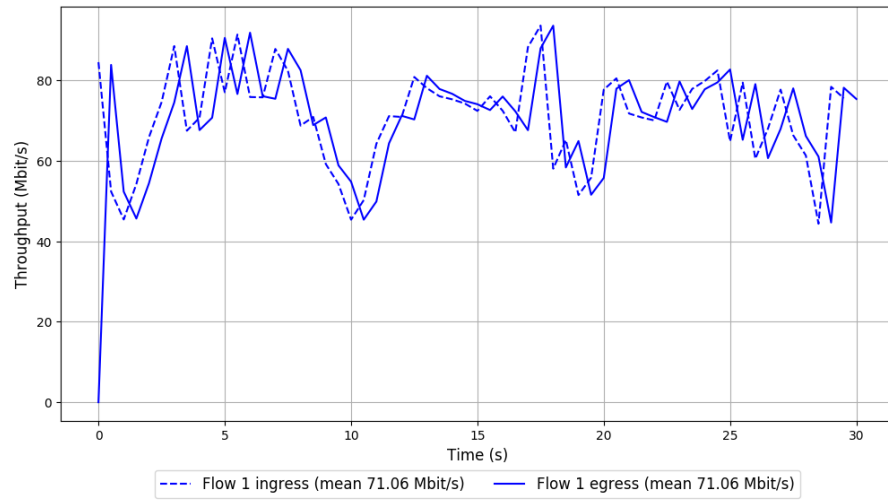


Run 3: Statistics of Copa

Start at: 2018-06-05 20:07:21
End at: 2018-06-05 20:07:51
Local clock offset: 1.654 ms
Remote clock offset: -1.402 ms

Below is generated by plot.py at 2018-06-05 22:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 4.739 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 4.739 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

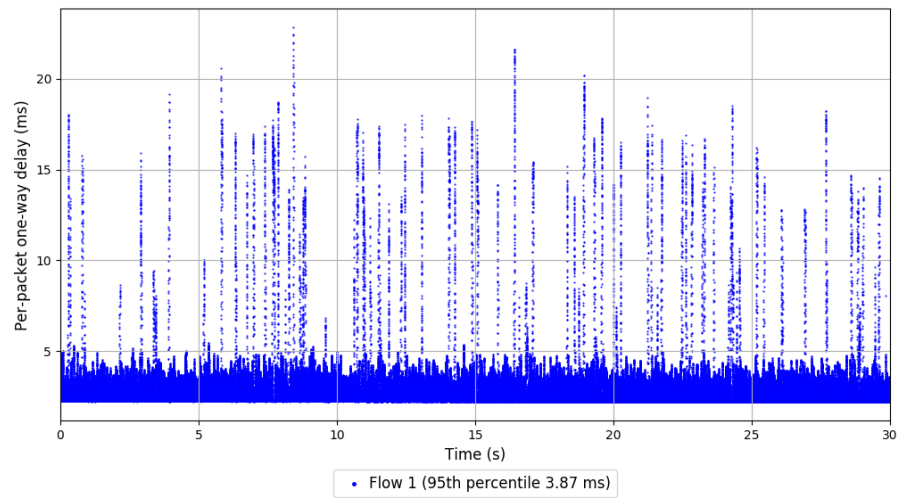
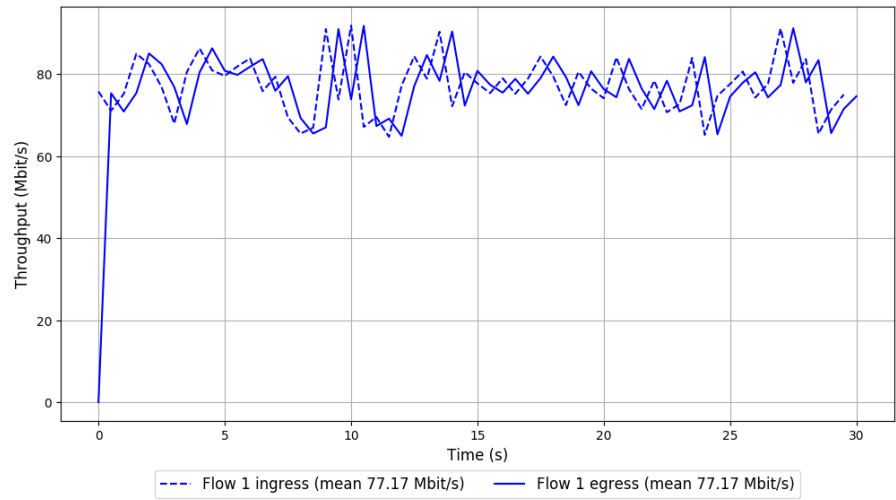


Run 4: Statistics of Copa

Start at: 2018-06-05 20:25:12
End at: 2018-06-05 20:25:42
Local clock offset: 2.915 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-06-05 22:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 3.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 3.871 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

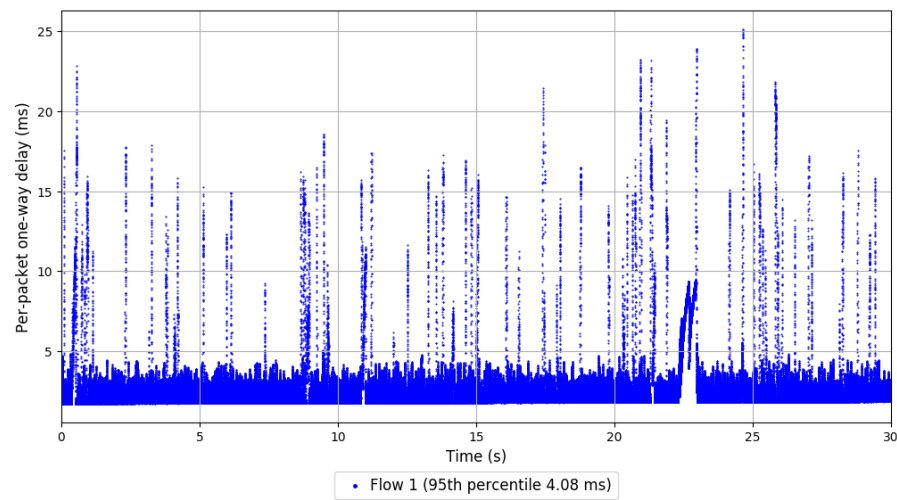
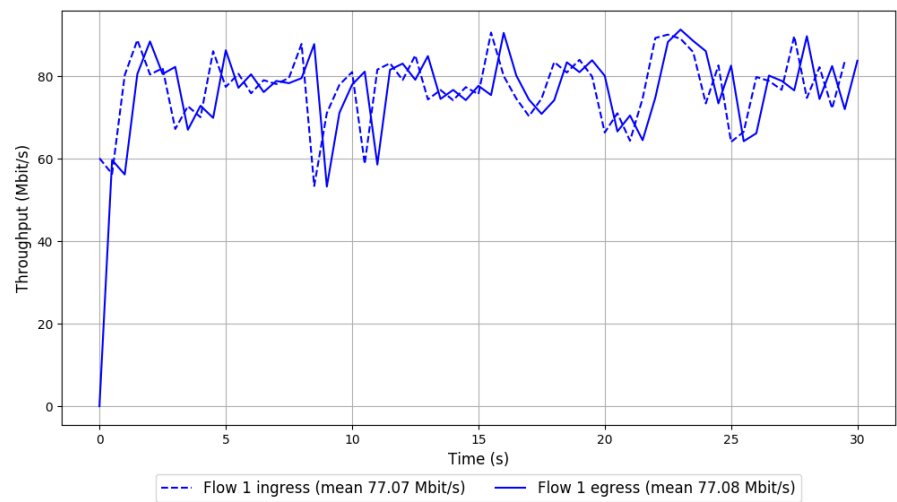


Run 5: Statistics of Copa

Start at: 2018-06-05 20:43:00
End at: 2018-06-05 20:43:30
Local clock offset: -3.388 ms
Remote clock offset: -7.105 ms

Below is generated by plot.py at 2018-06-05 22:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 4.080 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 4.080 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

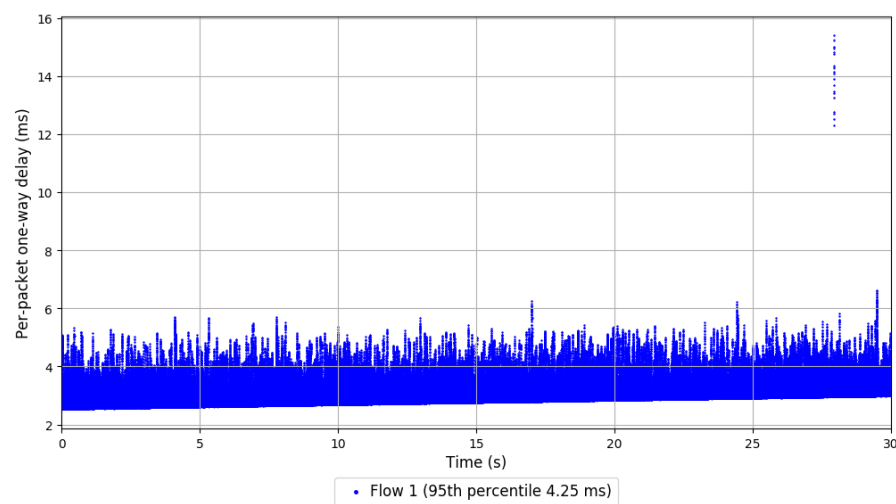
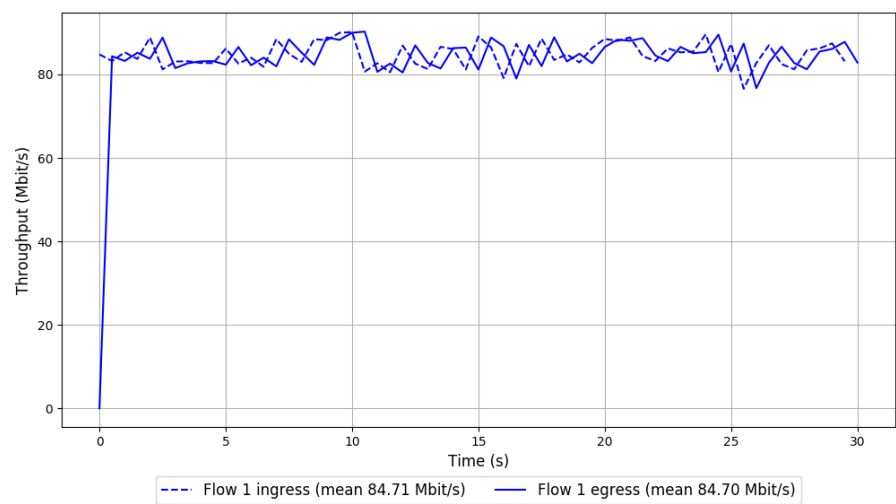


Run 6: Statistics of Copa

Start at: 2018-06-05 21:00:49
End at: 2018-06-05 21:01:19
Local clock offset: -6.805 ms
Remote clock offset: -9.035 ms

Below is generated by plot.py at 2018-06-05 22:34:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 4.247 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 4.247 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

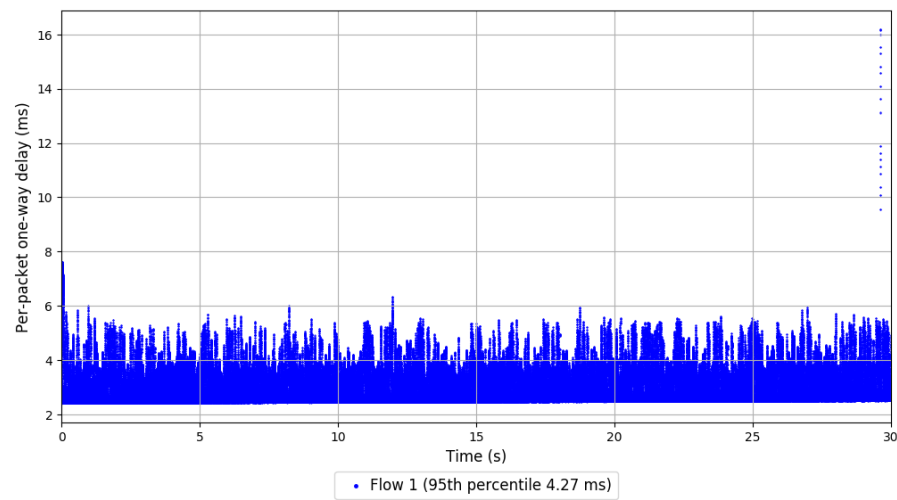
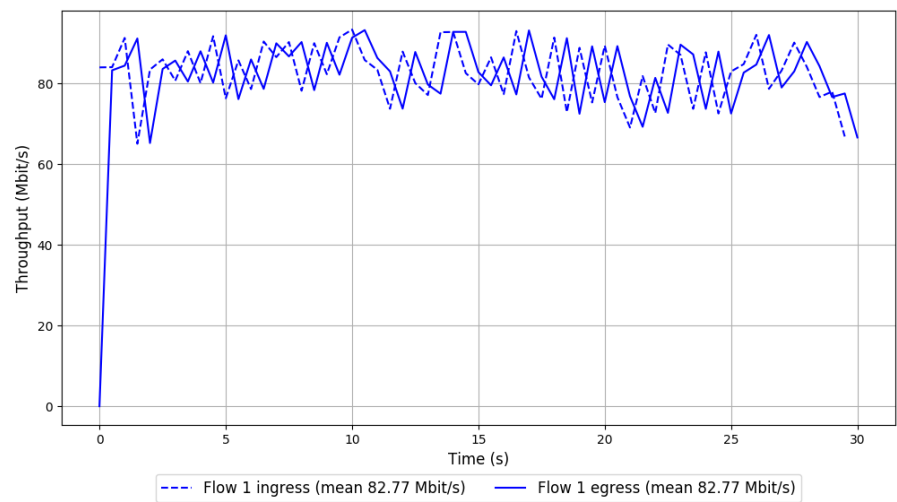


Run 7: Statistics of Copa

Start at: 2018-06-05 21:18:45
End at: 2018-06-05 21:19:15
Local clock offset: -6.631 ms
Remote clock offset: -2.303 ms

Below is generated by plot.py at 2018-06-05 22:35:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-05 21:36:37

End at: 2018-06-05 21:37:07

Local clock offset: -6.097 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-06-05 22:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.46 Mbit/s

95th percentile per-packet one-way delay: 4.151 ms

Loss rate: 0.01%

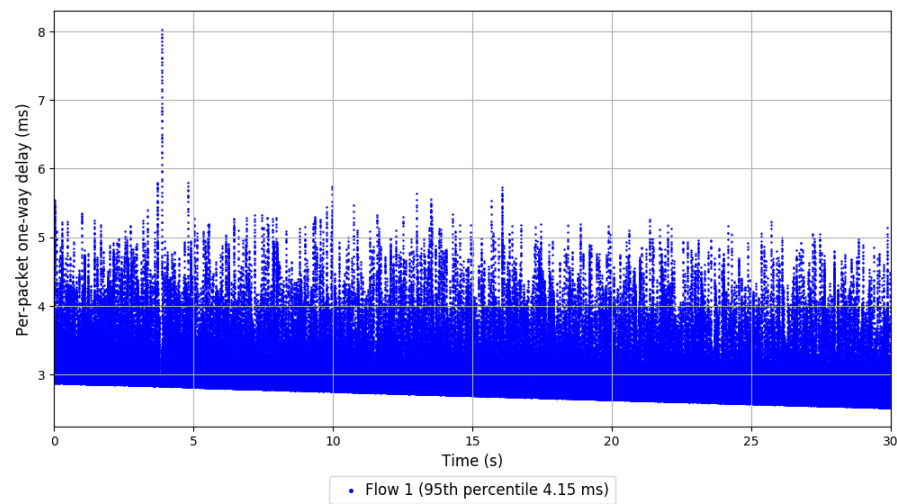
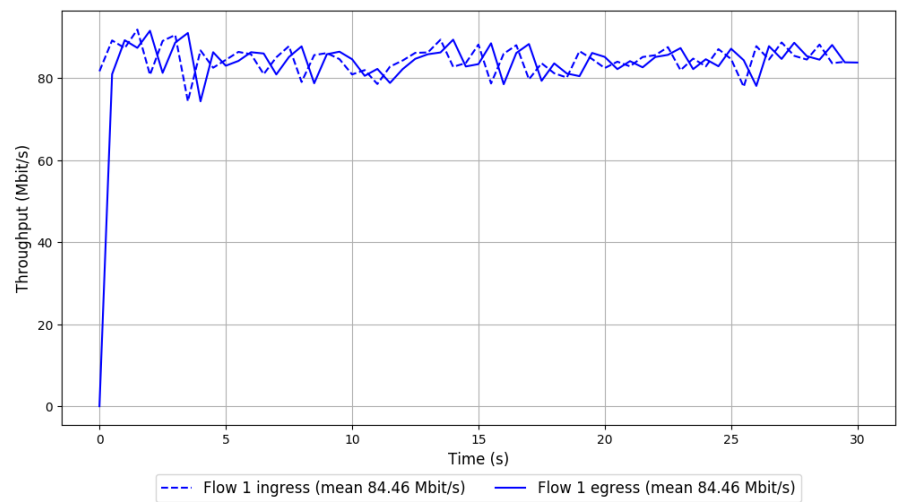
-- Flow 1:

Average throughput: 84.46 Mbit/s

95th percentile per-packet one-way delay: 4.151 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link

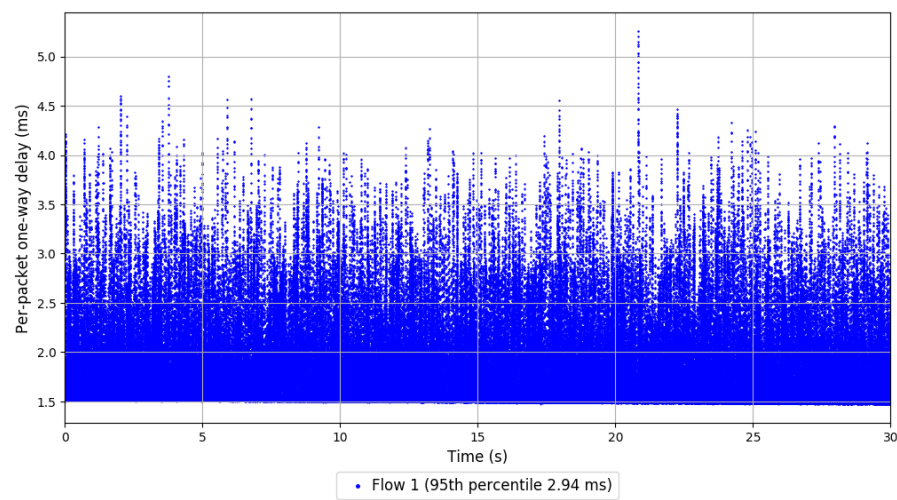
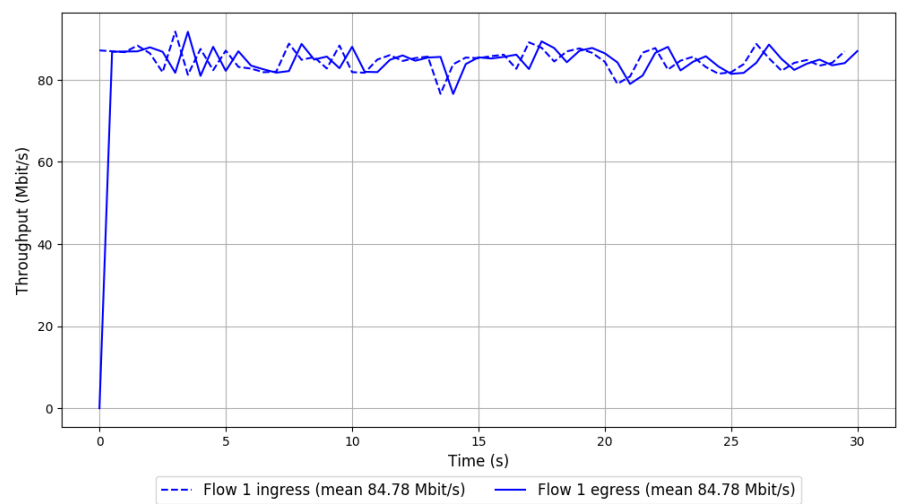


Run 9: Statistics of Copa

Start at: 2018-06-05 21:54:32
End at: 2018-06-05 21:55:02
Local clock offset: -6.88 ms
Remote clock offset: -6.365 ms

Below is generated by plot.py at 2018-06-05 22:36:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 2.940 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 2.940 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 22:12:28

End at: 2018-06-05 22:12:58

Local clock offset: -2.65 ms

Remote clock offset: -7.093 ms

Below is generated by plot.py at 2018-06-05 22:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.09 Mbit/s

95th percentile per-packet one-way delay: 3.936 ms

Loss rate: 0.02%

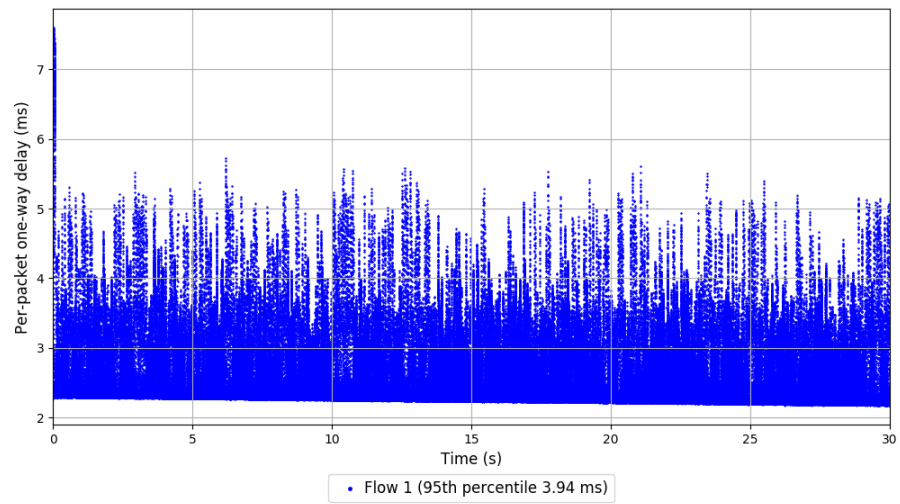
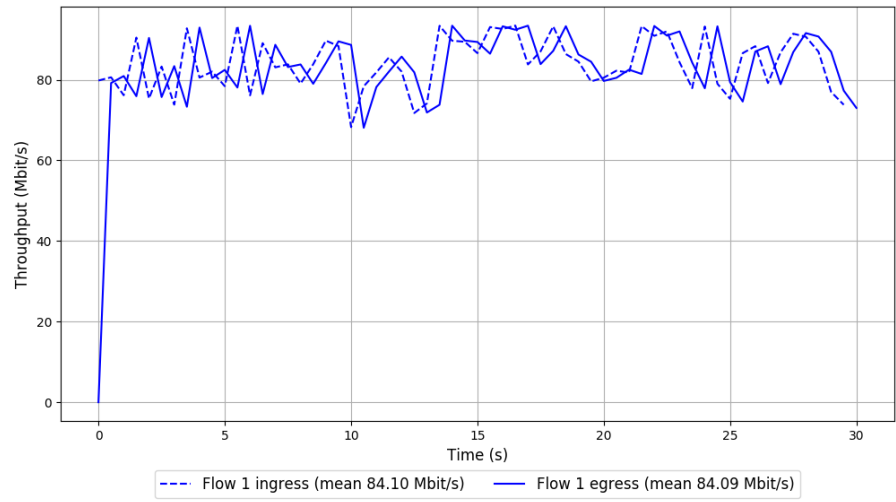
-- Flow 1:

Average throughput: 84.09 Mbit/s

95th percentile per-packet one-way delay: 3.936 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

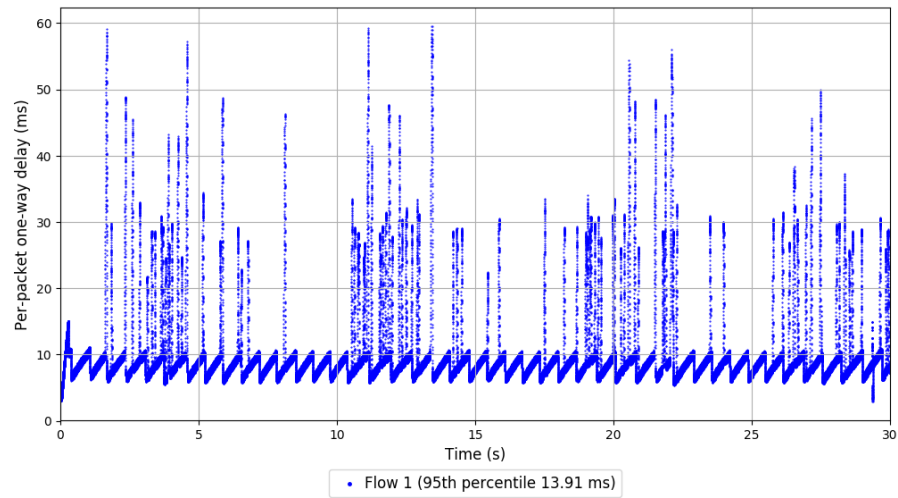
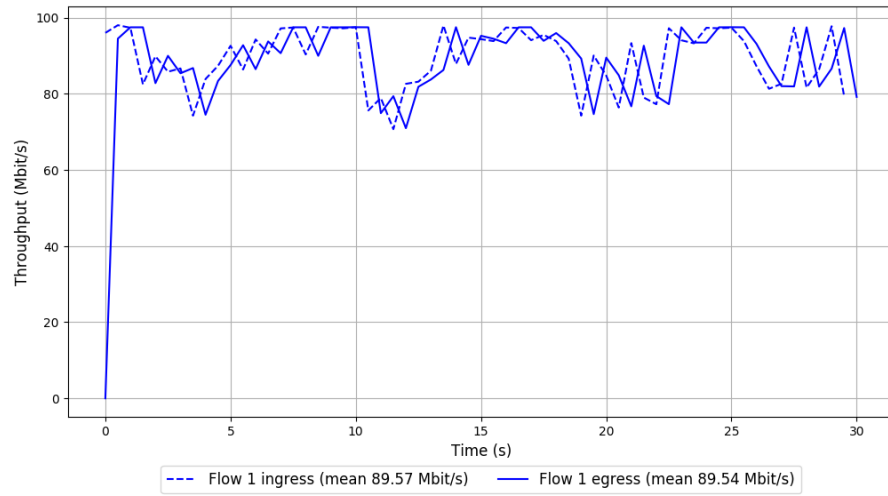


Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 19:45:00
End at: 2018-06-05 19:45:30
Local clock offset: -0.177 ms
Remote clock offset: -1.768 ms

Below is generated by plot.py at 2018-06-05 22:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 13.911 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 13.911 ms
Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 20:02:51

End at: 2018-06-05 20:03:21

Local clock offset: 0.447 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-06-05 22:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.94 Mbit/s

95th percentile per-packet one-way delay: 15.889 ms

Loss rate: 0.05%

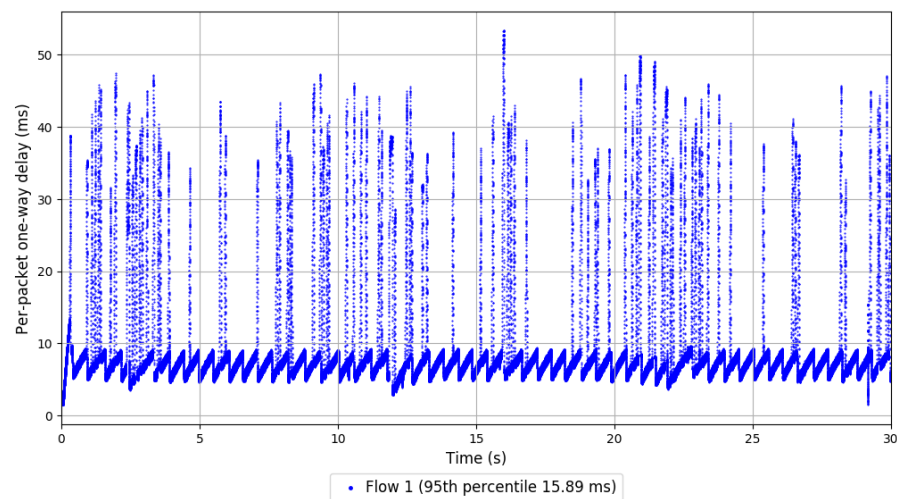
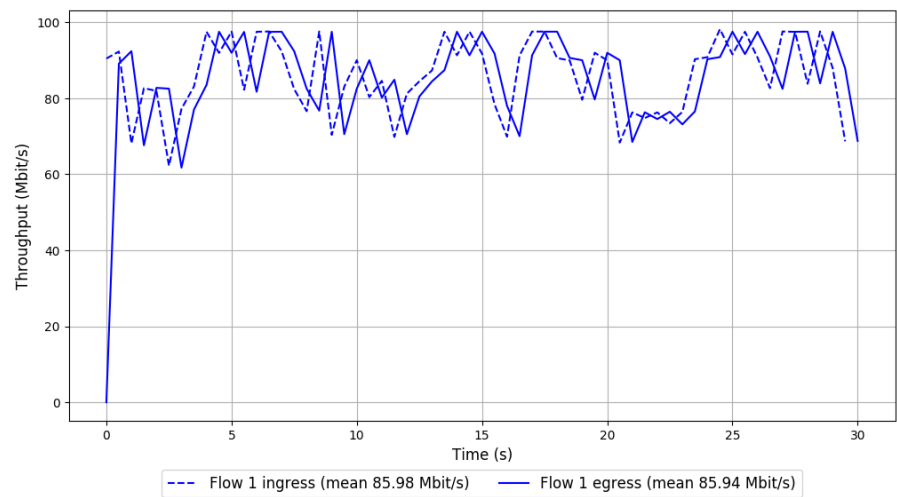
-- Flow 1:

Average throughput: 85.94 Mbit/s

95th percentile per-packet one-way delay: 15.889 ms

Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

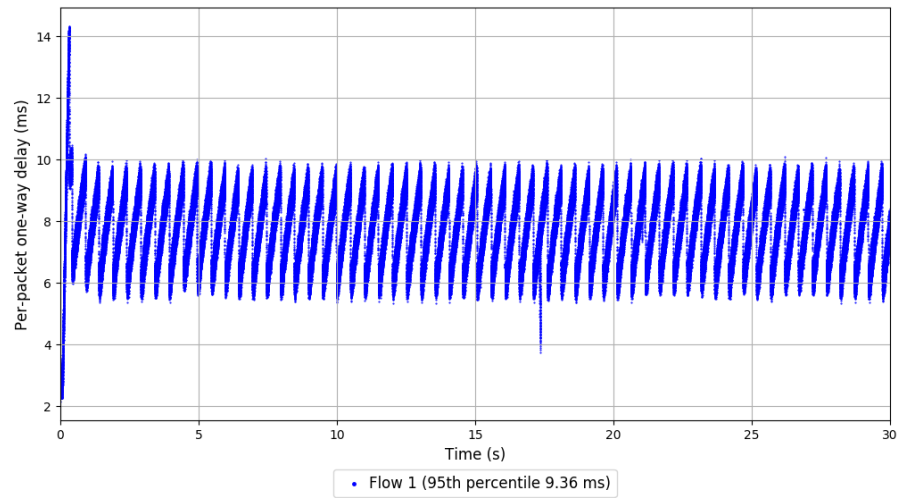
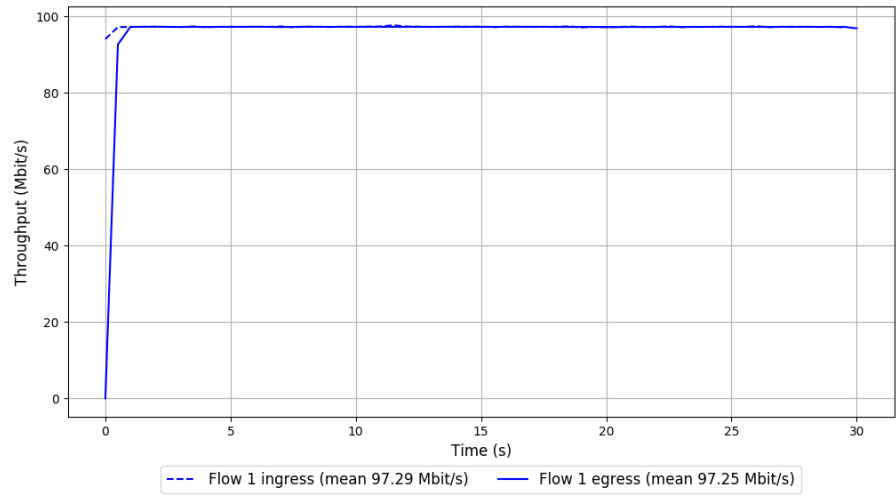


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 20:20:41
End at: 2018-06-05 20:21:11
Local clock offset: 2.646 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2018-06-05 22:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 9.360 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 9.360 ms
Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 20:38:29

End at: 2018-06-05 20:38:59

Local clock offset: -0.21 ms

Remote clock offset: -6.18 ms

Below is generated by plot.py at 2018-06-05 22:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.30 Mbit/s

95th percentile per-packet one-way delay: 10.164 ms

Loss rate: 0.06%

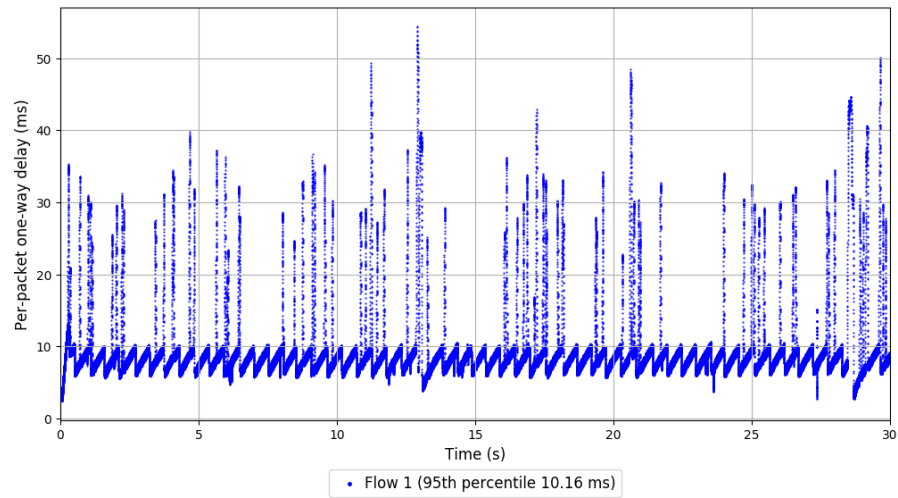
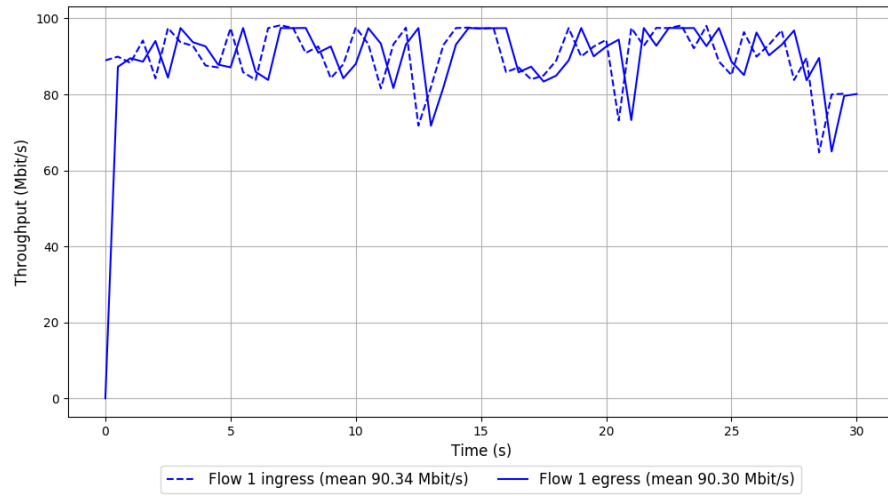
-- Flow 1:

Average throughput: 90.30 Mbit/s

95th percentile per-packet one-way delay: 10.164 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

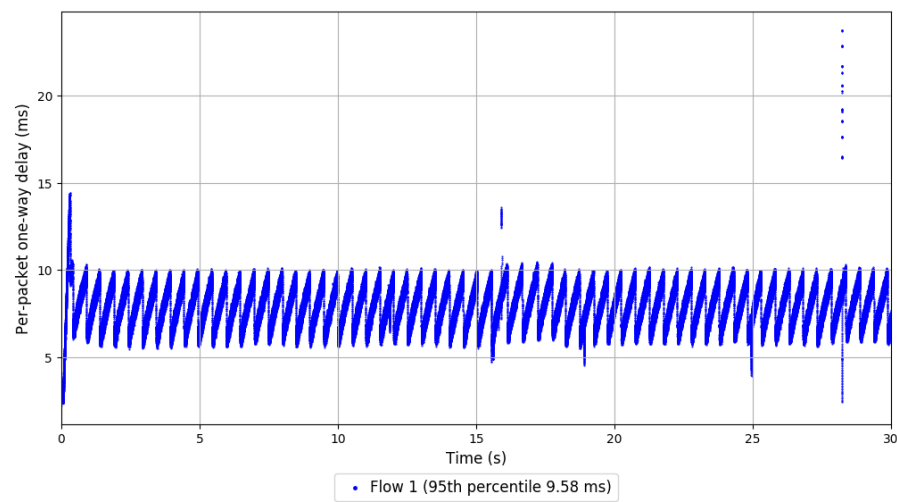
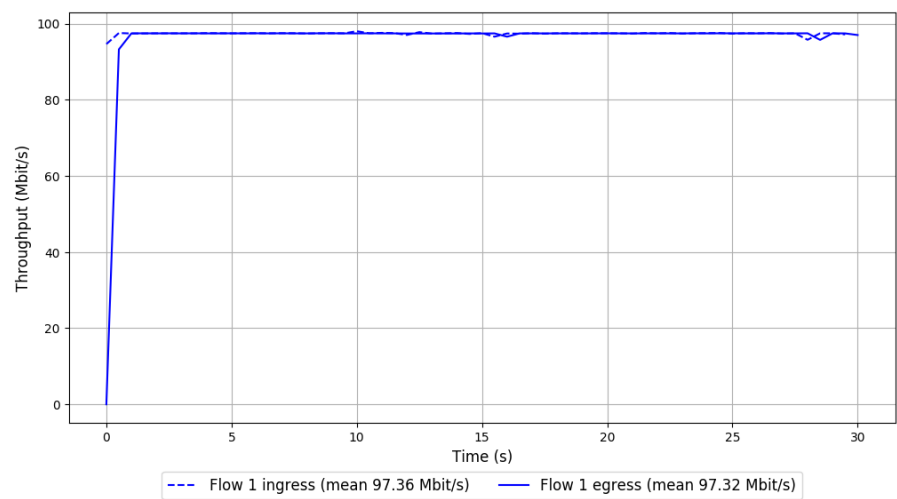


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 20:56:17
End at: 2018-06-05 20:56:47
Local clock offset: -6.215 ms
Remote clock offset: -8.685 ms

Below is generated by plot.py at 2018-06-05 22:36:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 9.579 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 9.579 ms
Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 21:14:13

End at: 2018-06-05 21:14:43

Local clock offset: -6.592 ms

Remote clock offset: -3.11 ms

Below is generated by plot.py at 2018-06-05 22:36:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 9.570 ms

Loss rate: 0.05%

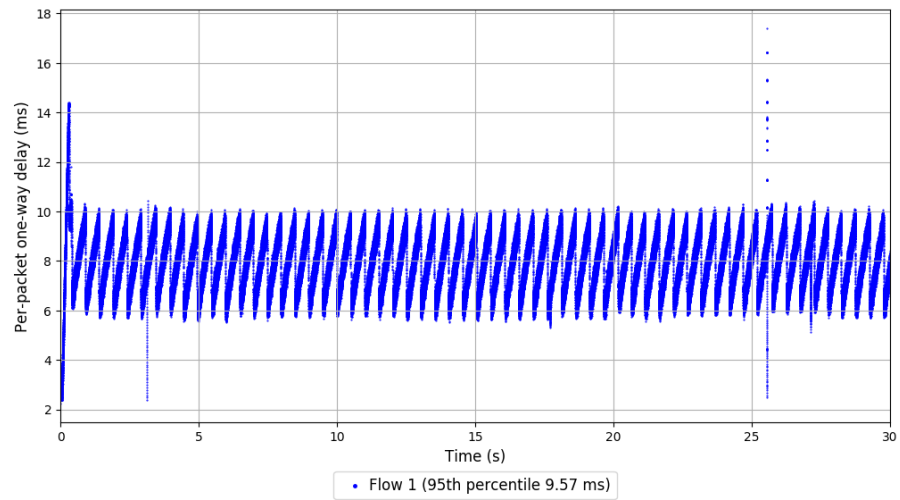
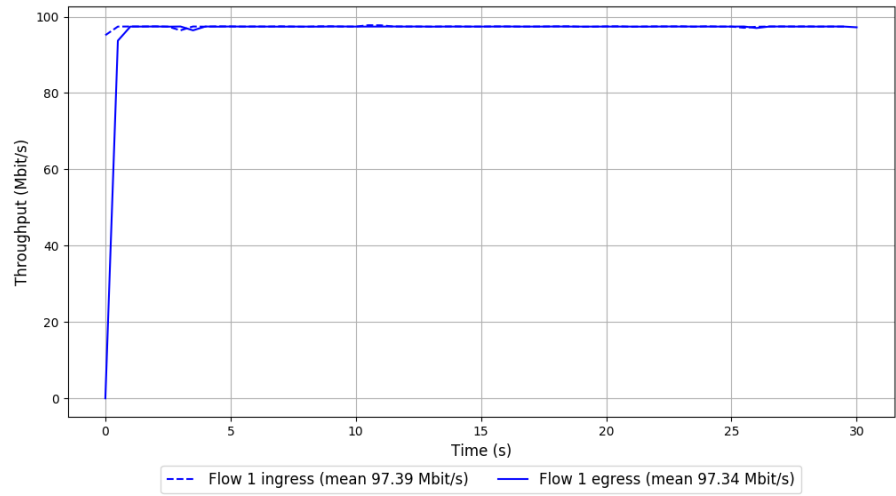
-- Flow 1:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 9.570 ms

Loss rate: 0.05%

Run 6: Report of TCP Cubic — Data Link

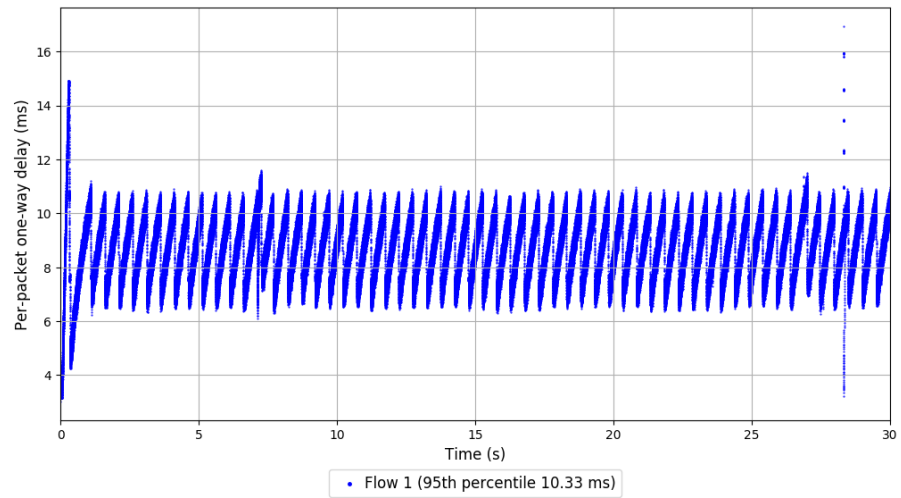
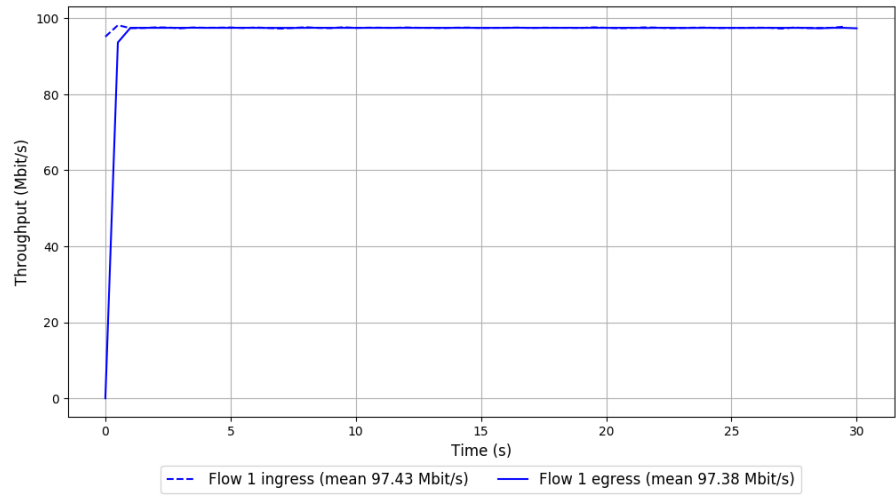


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 21:32:05
End at: 2018-06-05 21:32:36
Local clock offset: -6.429 ms
Remote clock offset: -0.709 ms

Below is generated by plot.py at 2018-06-05 22:36:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 10.328 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 10.328 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 21:50:01

End at: 2018-06-05 21:50:31

Local clock offset: -5.345 ms

Remote clock offset: -5.87 ms

Below is generated by plot.py at 2018-06-05 22:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 10.382 ms

Loss rate: 0.06%

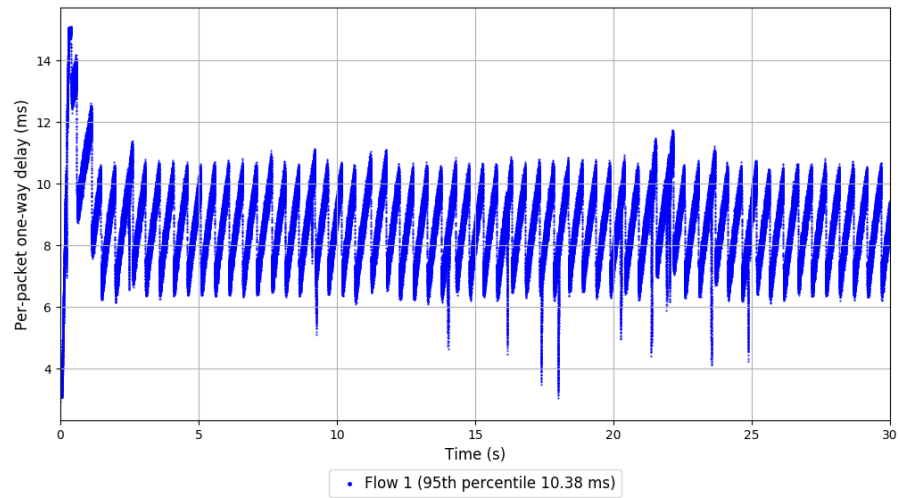
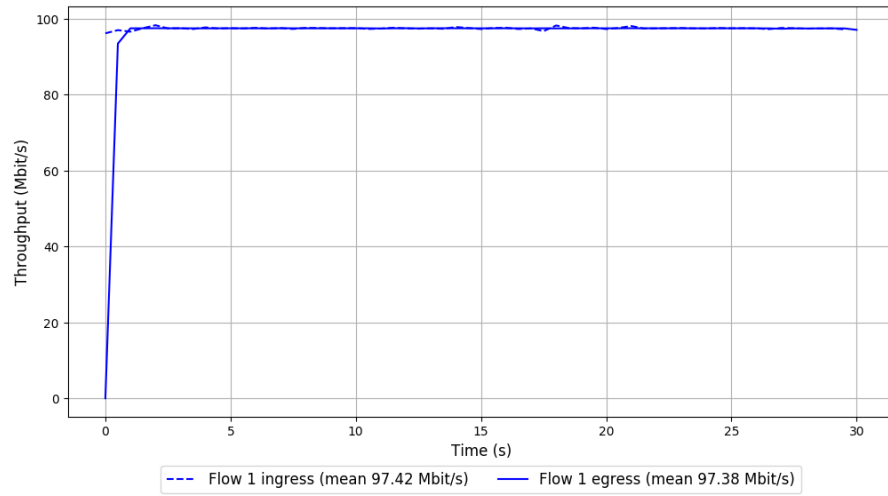
-- Flow 1:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 10.382 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

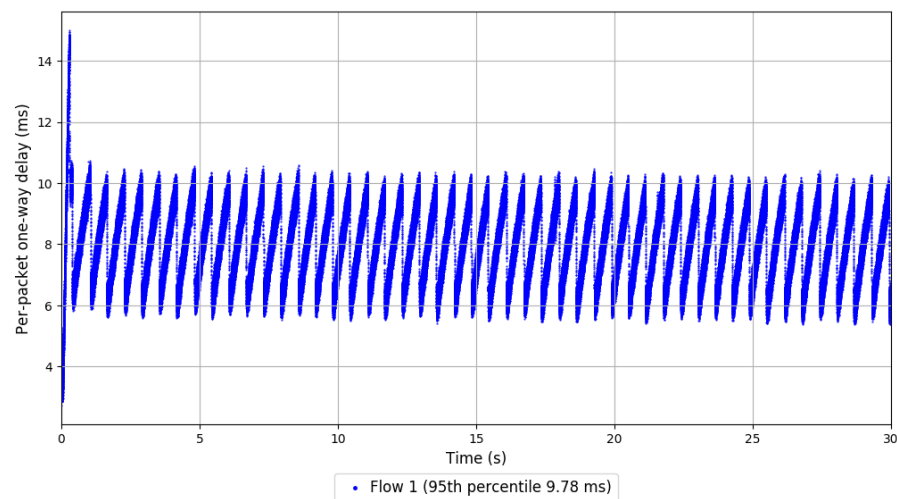
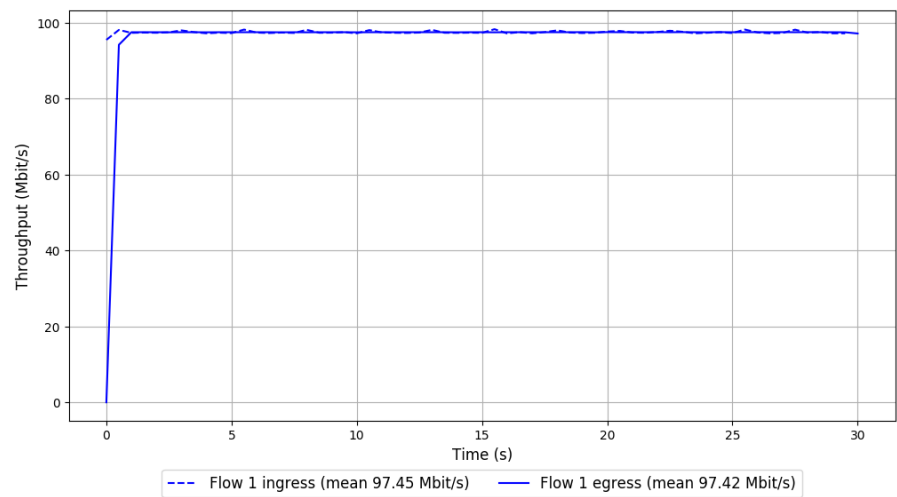


Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 22:07:56
End at: 2018-06-05 22:08:26
Local clock offset: -3.496 ms
Remote clock offset: -7.084 ms

Below is generated by plot.py at 2018-06-05 22:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 9.777 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 9.777 ms
Loss rate: 0.04%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 22:25:49

End at: 2018-06-05 22:26:19

Local clock offset: -0.574 ms

Remote clock offset: -7.057 ms

Below is generated by plot.py at 2018-06-05 22:37:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.490 ms

Loss rate: 0.05%

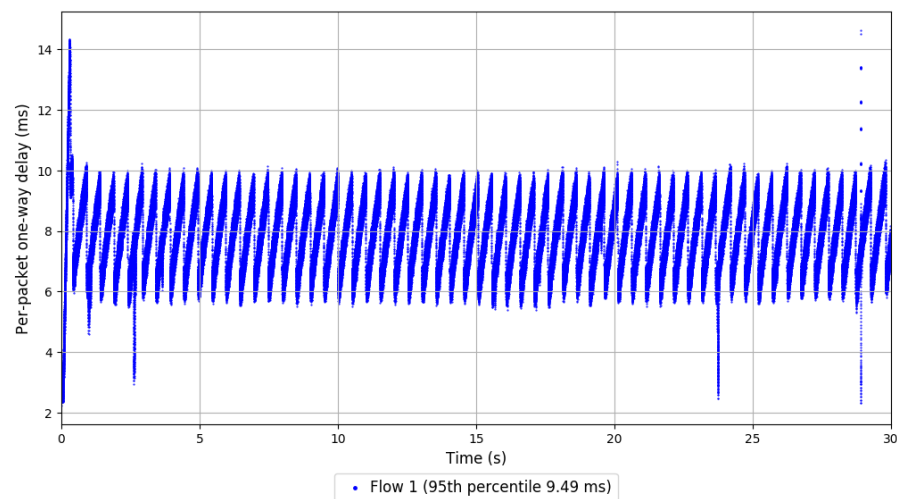
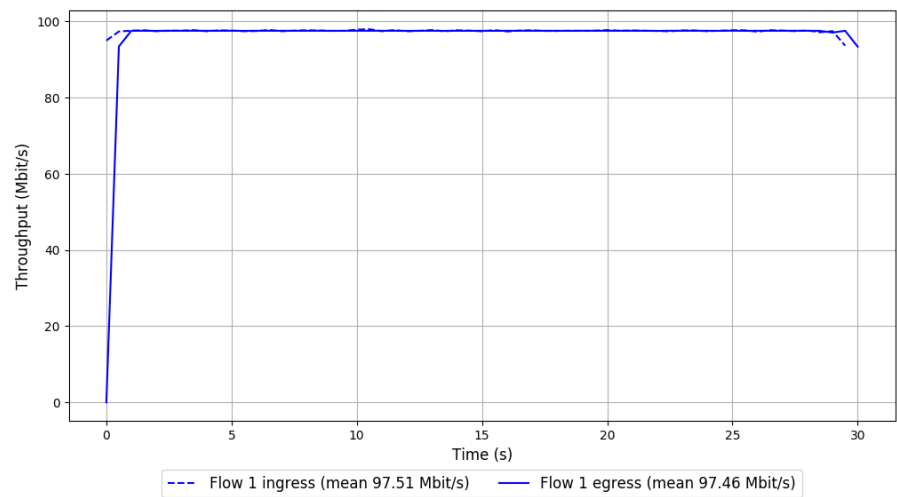
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.490 ms

Loss rate: 0.05%

Run 10: Report of TCP Cubic — Data Link

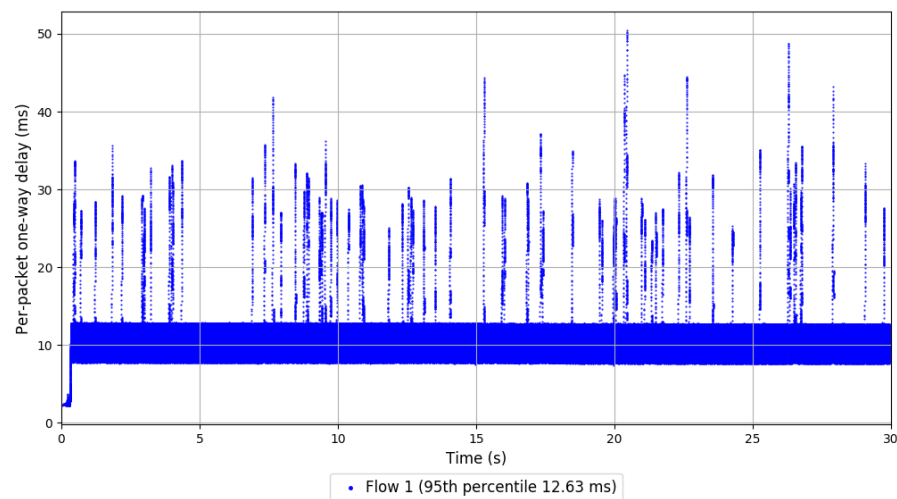
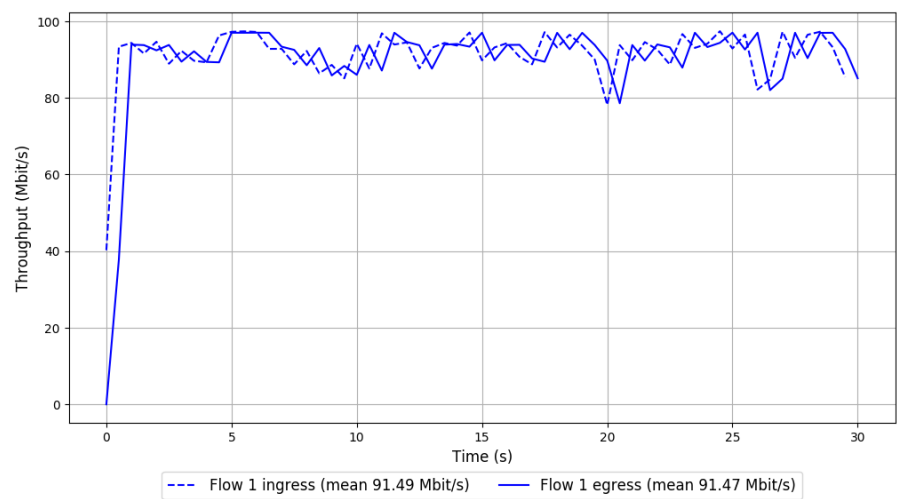


Run 1: Statistics of FillP

Start at: 2018-06-05 19:33:56
End at: 2018-06-05 19:34:26
Local clock offset: -4.492 ms
Remote clock offset: -2.785 ms

Below is generated by plot.py at 2018-06-05 22:37:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 12.627 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 12.627 ms
Loss rate: 0.05%

Run 1: Report of FillP — Data Link

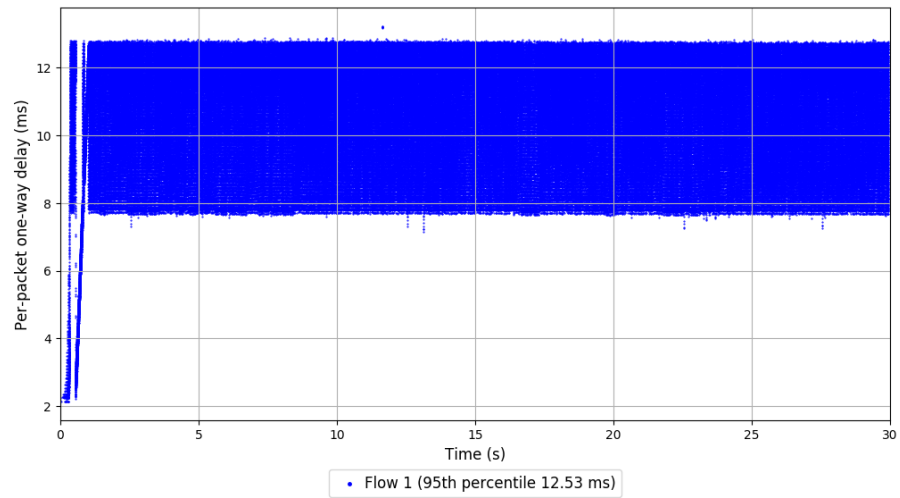
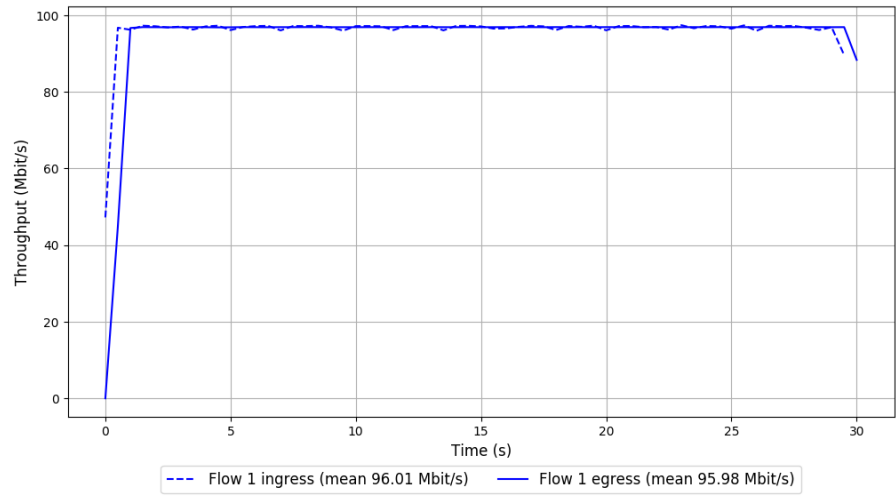


Run 2: Statistics of FillP

Start at: 2018-06-05 19:51:48
End at: 2018-06-05 19:52:18
Local clock offset: 0.113 ms
Remote clock offset: -1.441 ms

Below is generated by plot.py at 2018-06-05 22:37:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 12.529 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 12.529 ms
Loss rate: 0.05%

Run 2: Report of FillP — Data Link

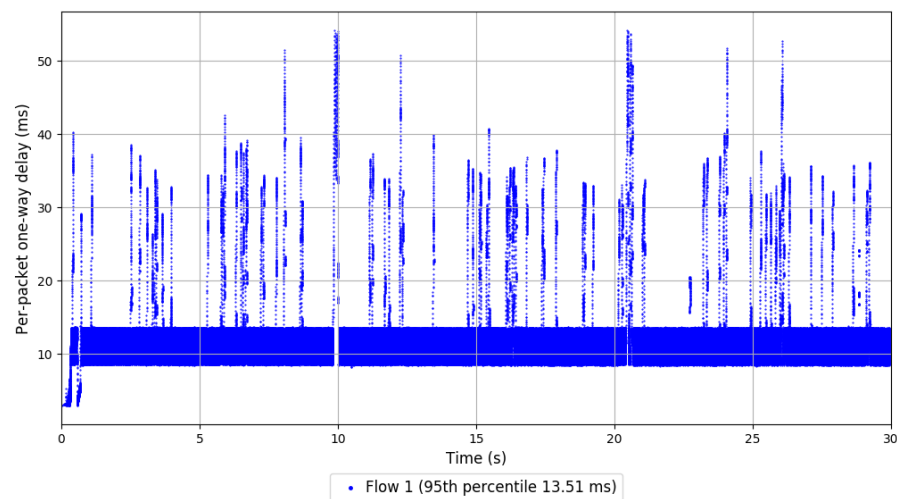
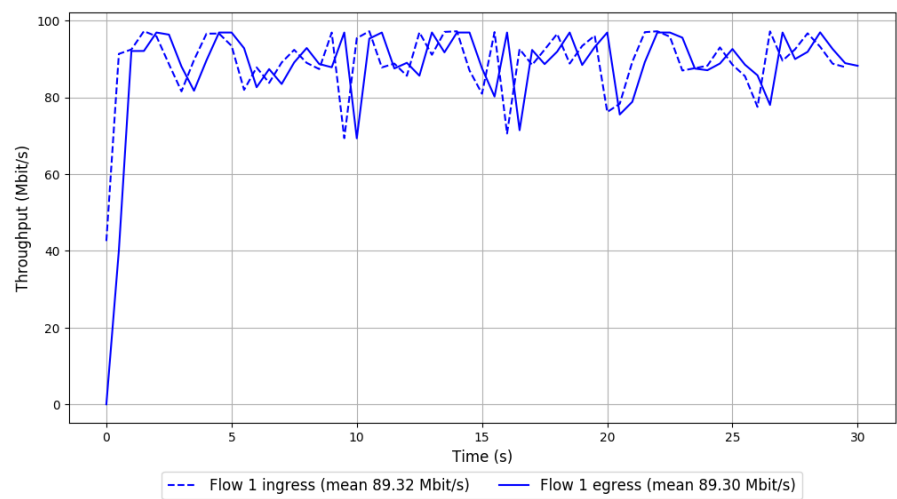


Run 3: Statistics of FillP

Start at: 2018-06-05 20:09:36
End at: 2018-06-05 20:10:06
Local clock offset: 2.595 ms
Remote clock offset: -1.352 ms

Below is generated by plot.py at 2018-06-05 22:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 13.506 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 13.506 ms
Loss rate: 0.04%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-05 20:27:28

End at: 2018-06-05 20:27:58

Local clock offset: 3.139 ms

Remote clock offset: -1.76 ms

Below is generated by plot.py at 2018-06-05 22:38:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 12.387 ms

Loss rate: 0.05%

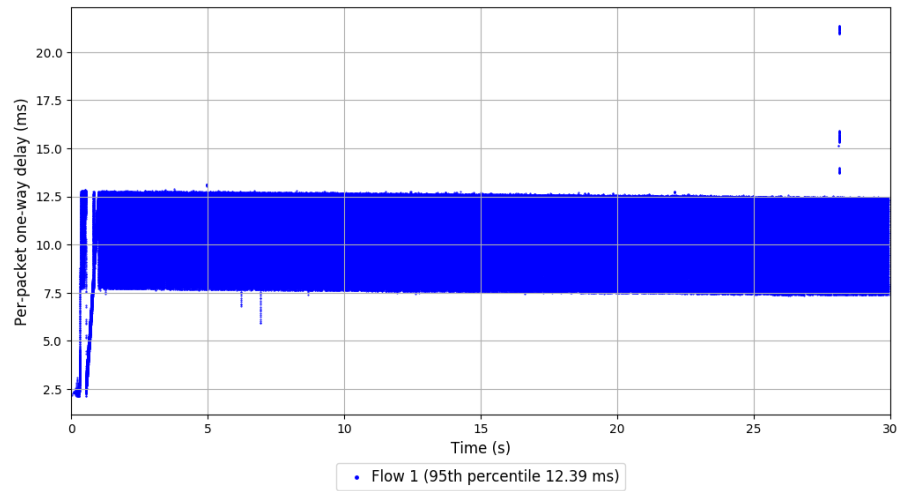
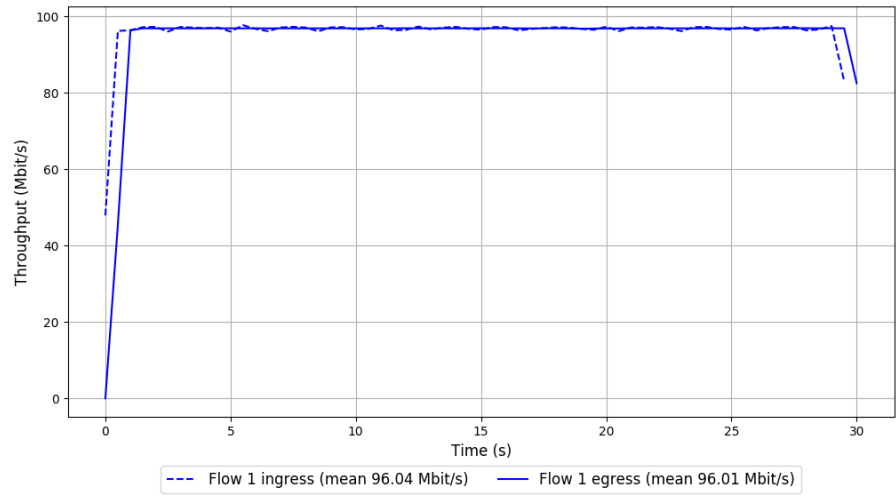
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 12.387 ms

Loss rate: 0.05%

Run 4: Report of FillP — Data Link

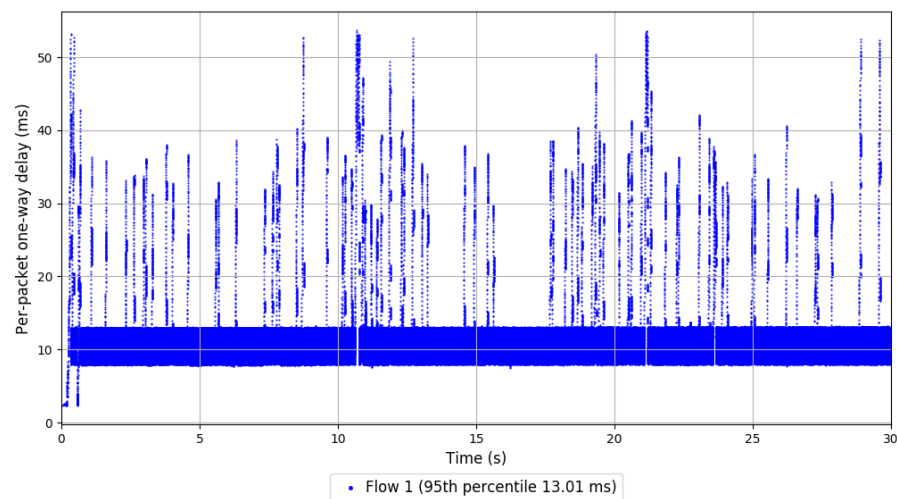
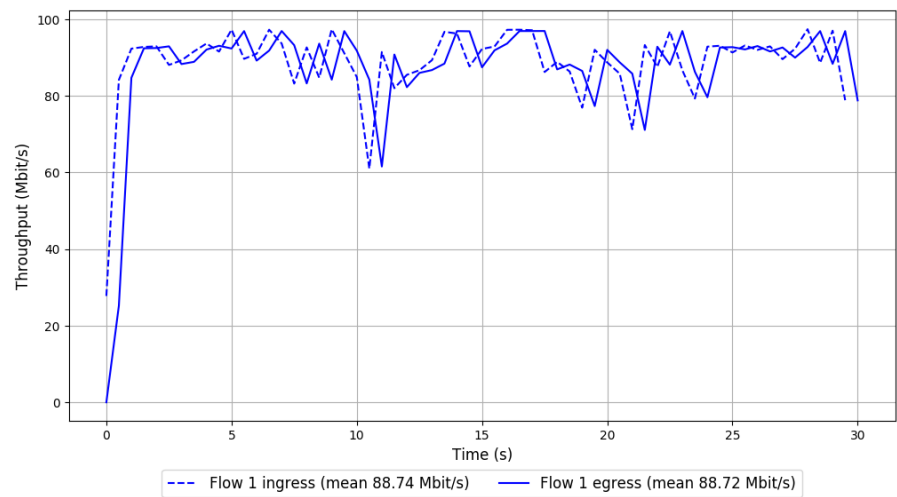


Run 5: Statistics of FillP

Start at: 2018-06-05 20:45:16
End at: 2018-06-05 20:45:46
Local clock offset: -3.565 ms
Remote clock offset: -7.485 ms

Below is generated by plot.py at 2018-06-05 22:38:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 13.009 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 13.009 ms
Loss rate: 0.05%

Run 5: Report of FillP — Data Link

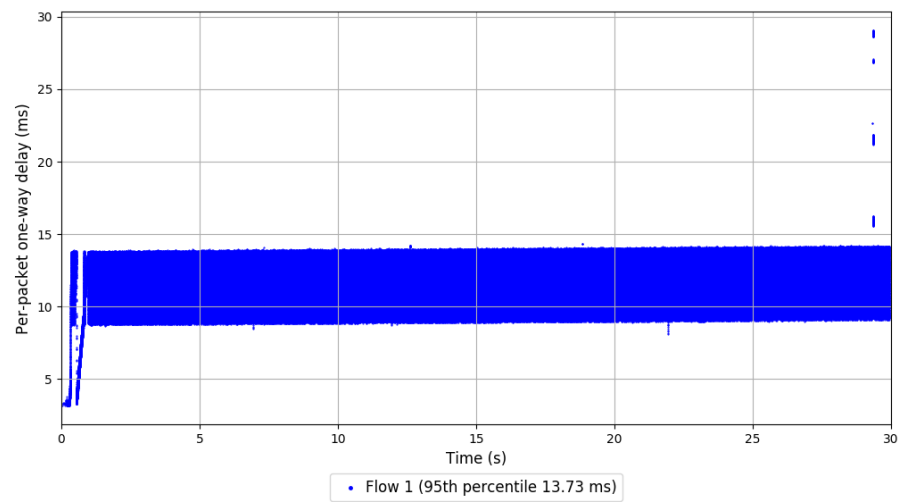
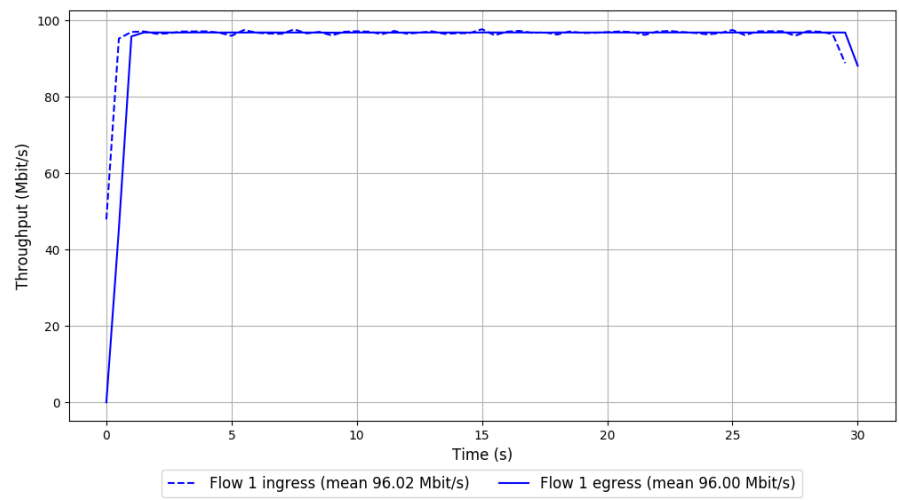


Run 6: Statistics of FillP

Start at: 2018-06-05 21:03:06
End at: 2018-06-05 21:03:36
Local clock offset: -6.356 ms
Remote clock offset: -7.407 ms

Below is generated by plot.py at 2018-06-05 22:38:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 13.732 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 13.732 ms
Loss rate: 0.05%

Run 6: Report of FillP — Data Link

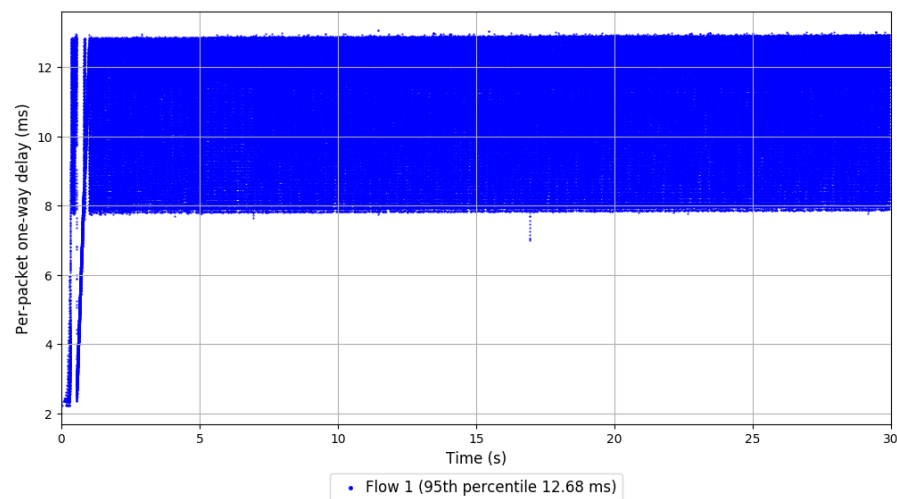
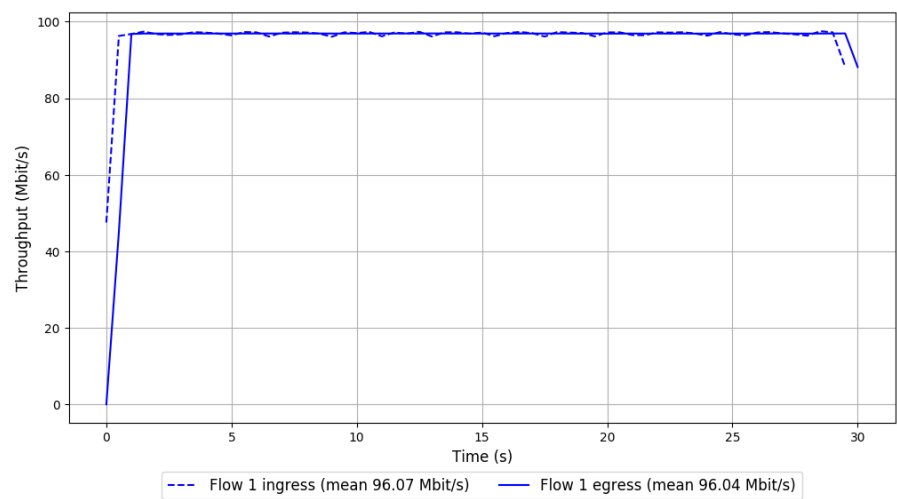


Run 7: Statistics of FillP

Start at: 2018-06-05 21:21:02
End at: 2018-06-05 21:21:32
Local clock offset: -6.762 ms
Remote clock offset: -1.939 ms

Below is generated by plot.py at 2018-06-05 22:38:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 12.680 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 12.680 ms
Loss rate: 0.04%

Run 7: Report of FillP — Data Link

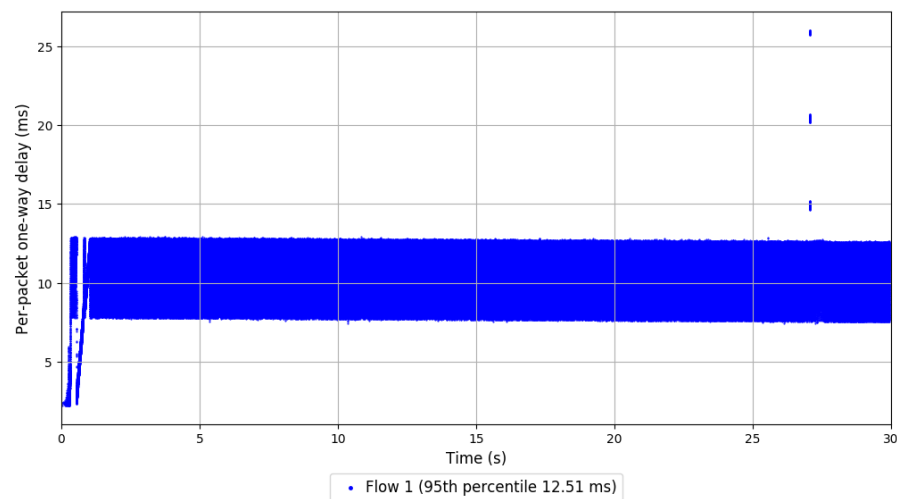
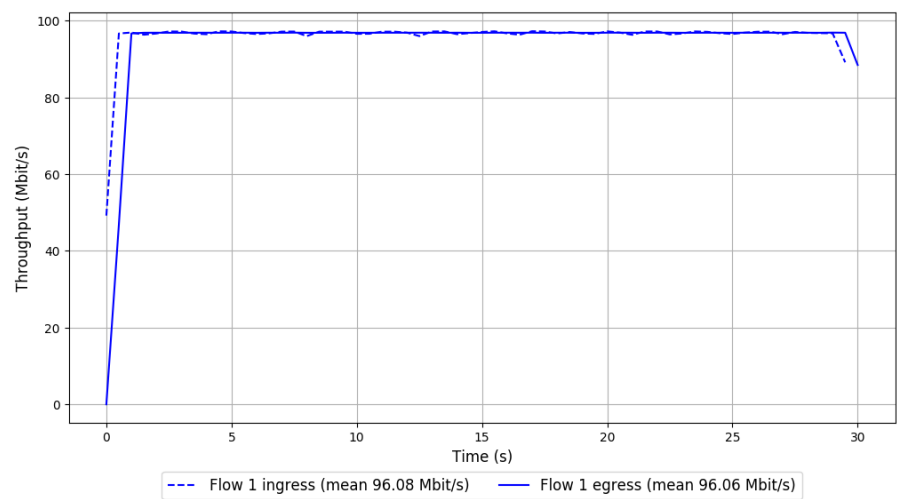


Run 8: Statistics of FillP

Start at: 2018-06-05 21:38:53
End at: 2018-06-05 21:39:24
Local clock offset: -6.566 ms
Remote clock offset: -2.942 ms

Below is generated by plot.py at 2018-06-05 22:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 12.509 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 12.509 ms
Loss rate: 0.05%

Run 8: Report of FillP — Data Link

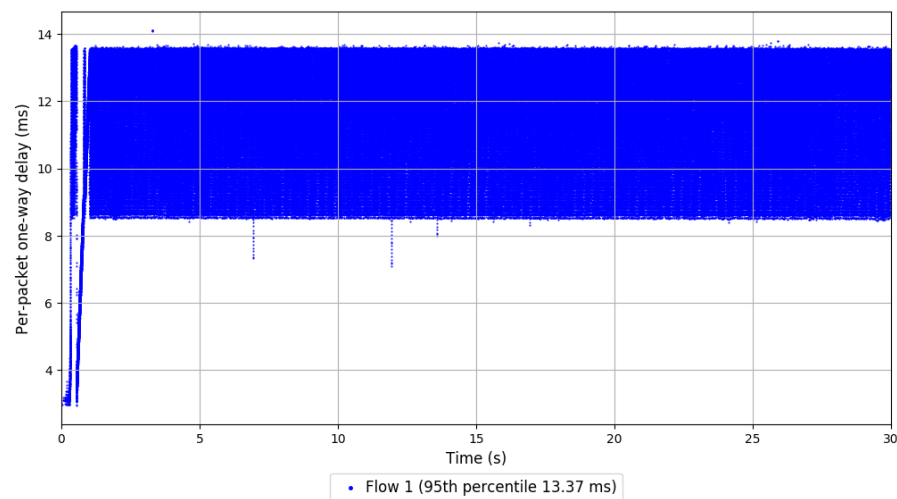
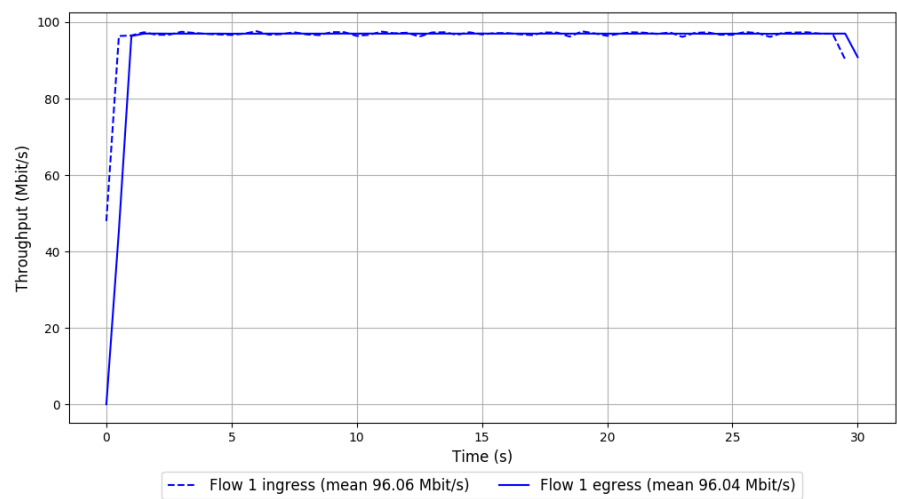


Run 9: Statistics of FillP

Start at: 2018-06-05 21:56:49
End at: 2018-06-05 21:57:19
Local clock offset: -5.313 ms
Remote clock offset: -6.524 ms

Below is generated by plot.py at 2018-06-05 22:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 13.365 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 13.365 ms
Loss rate: 0.03%

Run 9: Report of FillP — Data Link

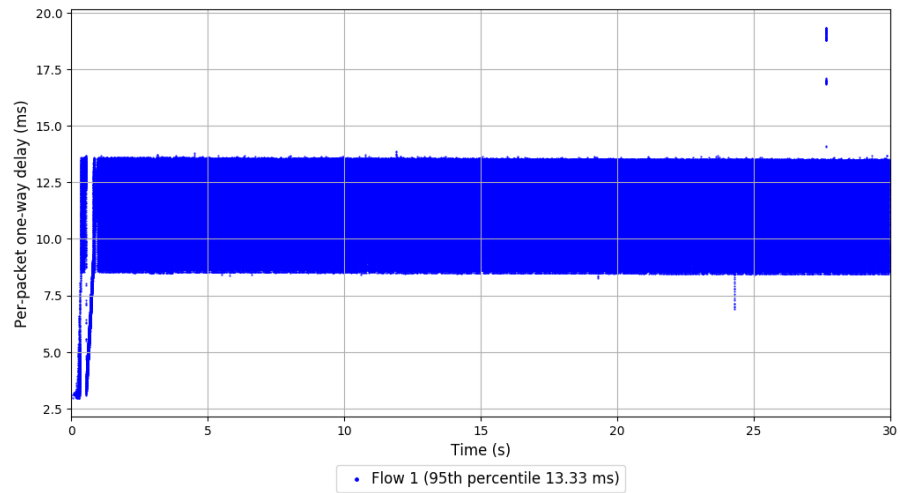
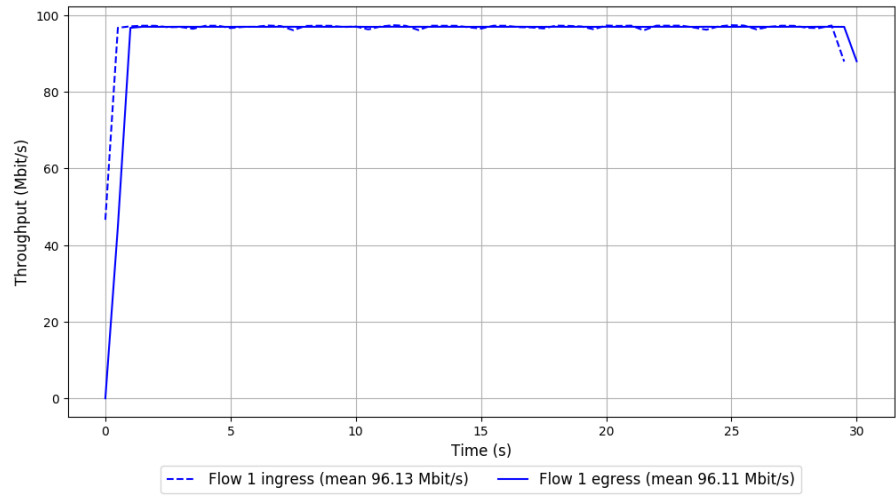


Run 10: Statistics of FillP

Start at: 2018-06-05 22:14:44
End at: 2018-06-05 22:15:14
Local clock offset: -1.313 ms
Remote clock offset: -7.046 ms

Below is generated by plot.py at 2018-06-05 22:39:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 13.328 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 13.328 ms
Loss rate: 0.04%

Run 10: Report of FillP — Data Link

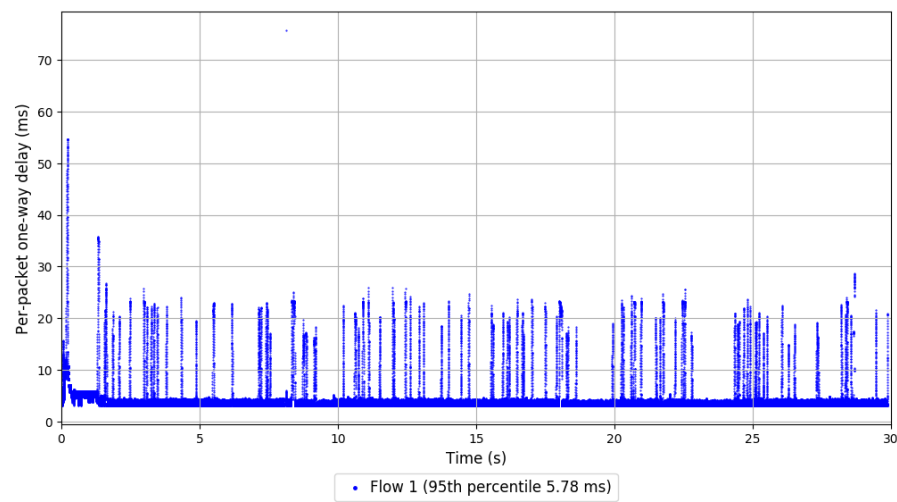
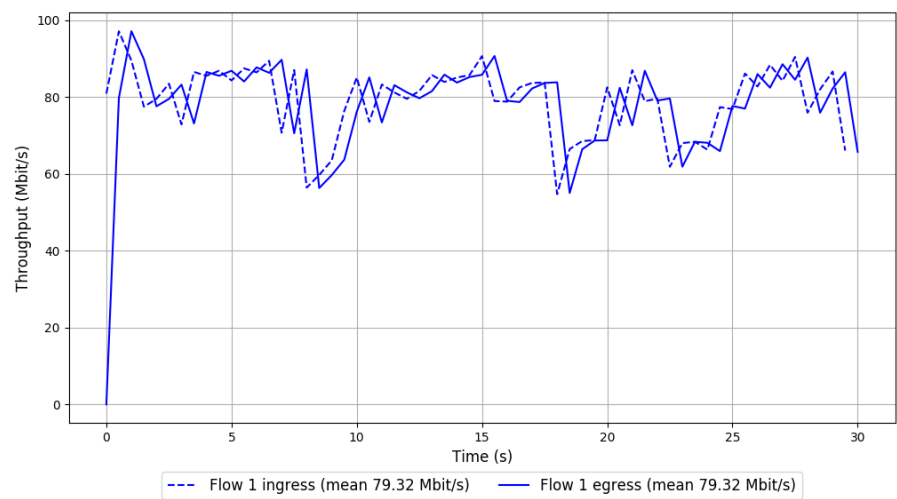


Run 1: Statistics of Indigo

Start at: 2018-06-05 19:46:07
End at: 2018-06-05 19:46:37
Local clock offset: 0.049 ms
Remote clock offset: -1.778 ms

Below is generated by plot.py at 2018-06-05 22:39:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 5.782 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 5.782 ms
Loss rate: 0.02%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-05 20:03:58

End at: 2018-06-05 20:04:28

Local clock offset: 1.374 ms

Remote clock offset: -1.455 ms

Below is generated by plot.py at 2018-06-05 22:39:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 8.129 ms

Loss rate: 0.02%

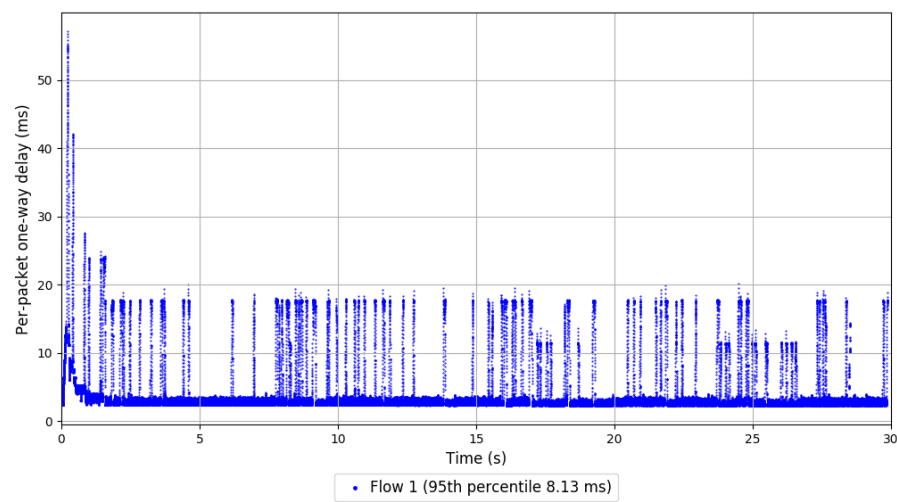
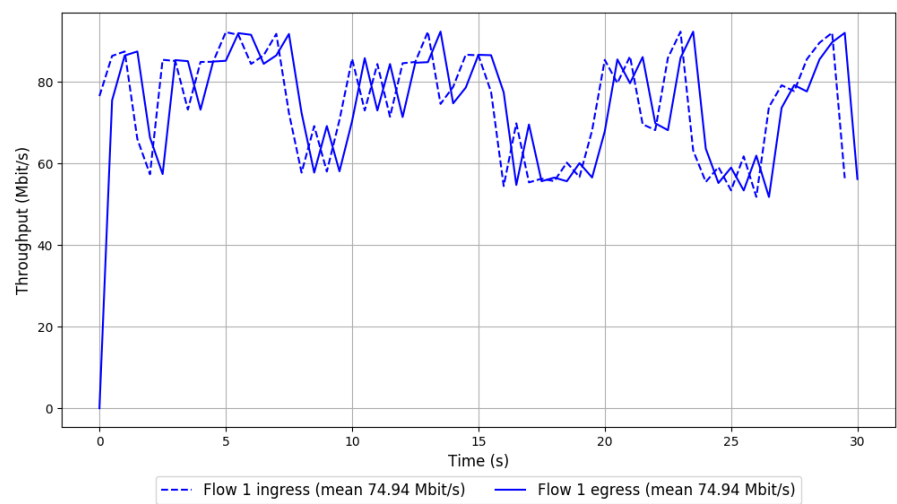
-- Flow 1:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 8.129 ms

Loss rate: 0.02%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-05 20:21:48

End at: 2018-06-05 20:22:18

Local clock offset: 2.727 ms

Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-06-05 22:39:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 5.308 ms

Loss rate: 0.01%

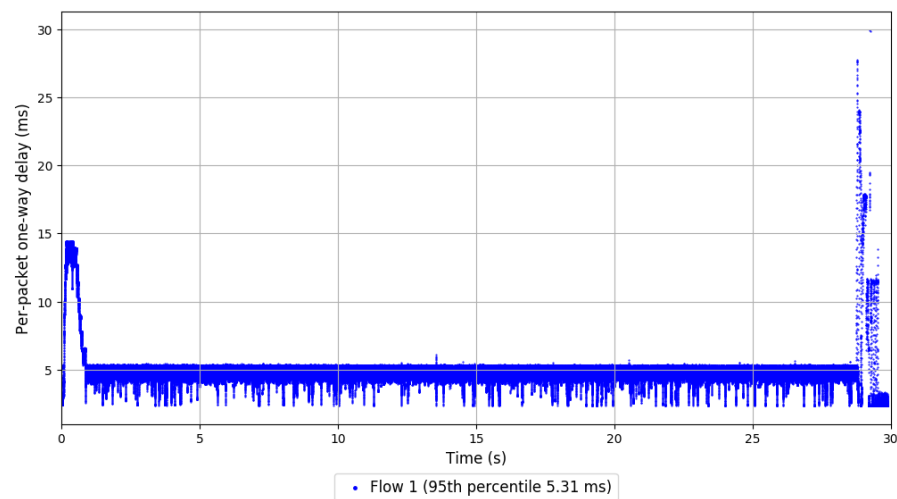
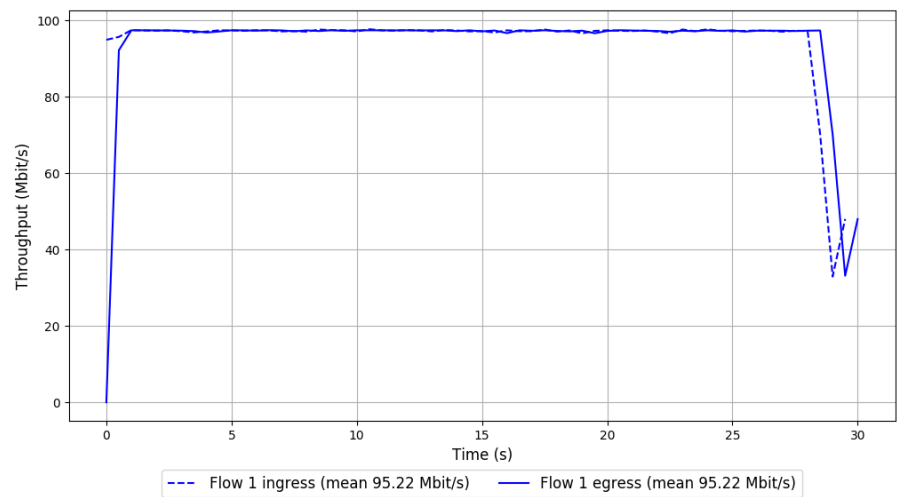
-- Flow 1:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 5.308 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

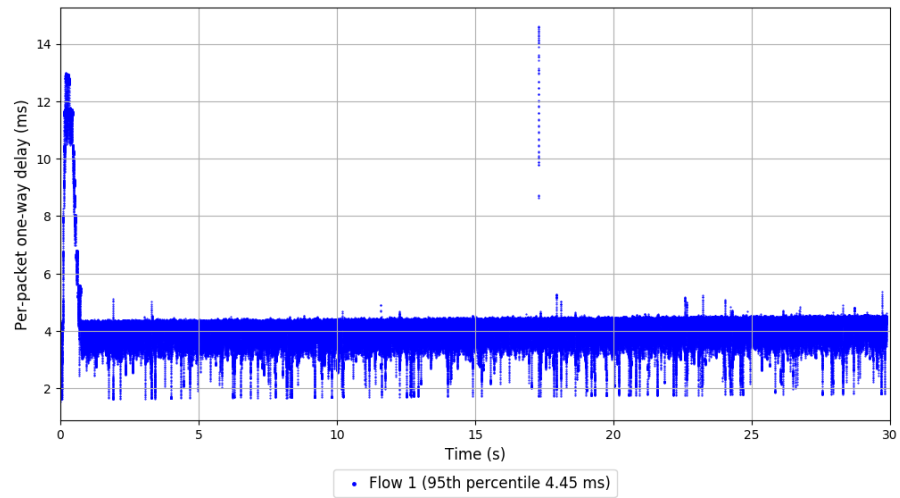
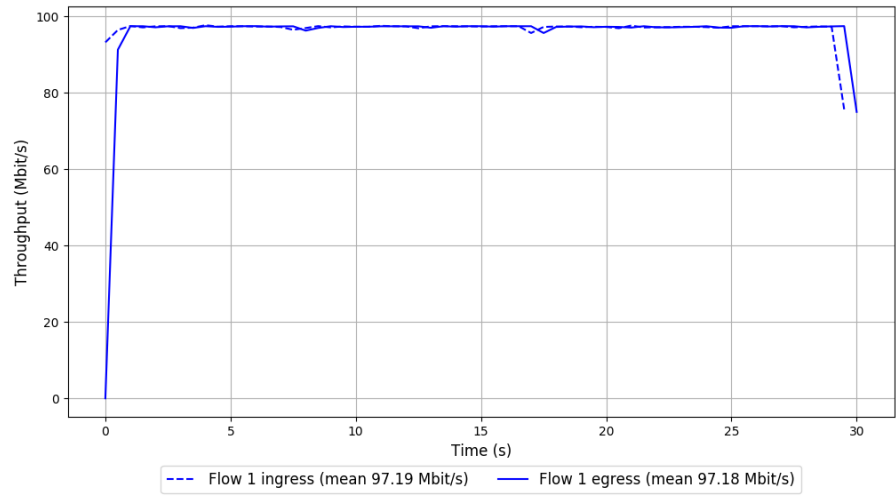


Run 4: Statistics of Indigo

Start at: 2018-06-05 20:39:36
End at: 2018-06-05 20:40:06
Local clock offset: -1.756 ms
Remote clock offset: -6.418 ms

Below is generated by plot.py at 2018-06-05 22:39:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 4.445 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 4.445 ms
Loss rate: 0.03%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-05 20:57:24

End at: 2018-06-05 20:57:54

Local clock offset: -5.564 ms

Remote clock offset: -8.756 ms

Below is generated by plot.py at 2018-06-05 22:39:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 5.878 ms

Loss rate: 0.02%

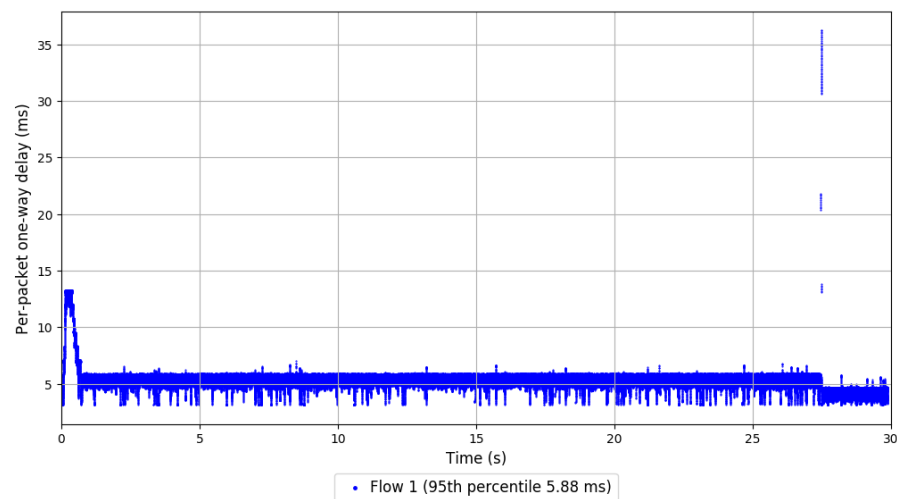
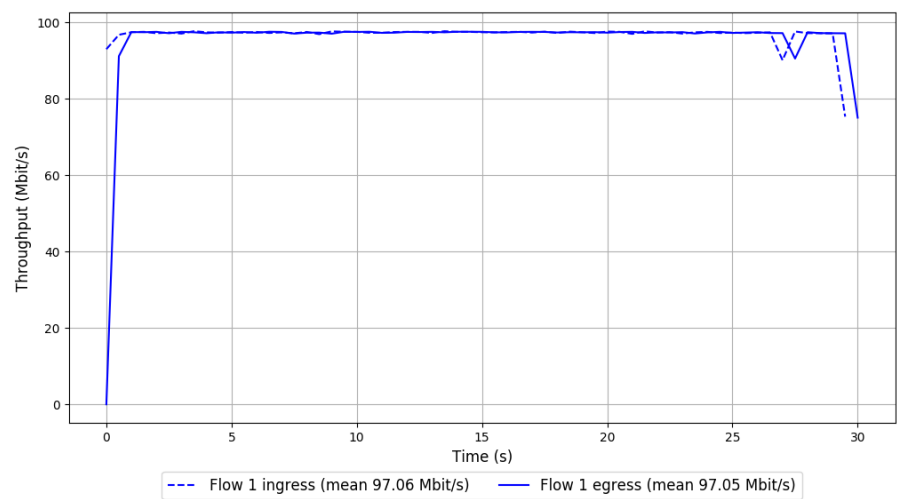
-- Flow 1:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 5.878 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

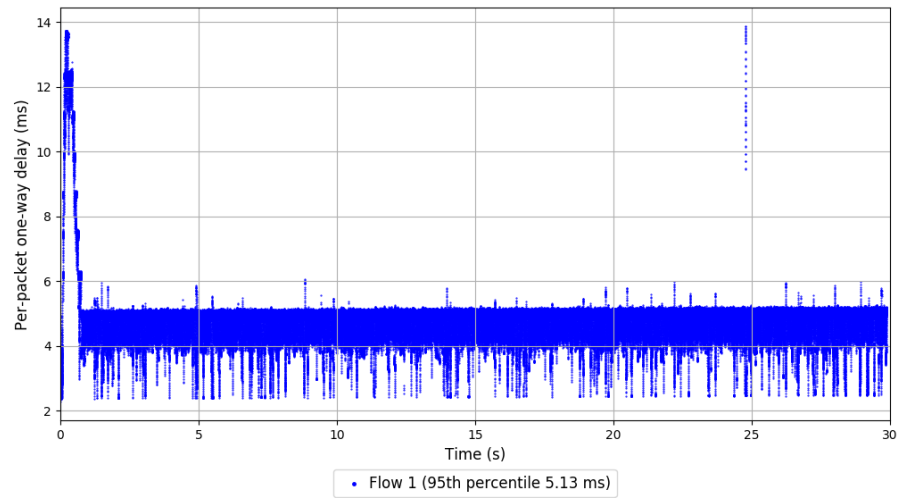
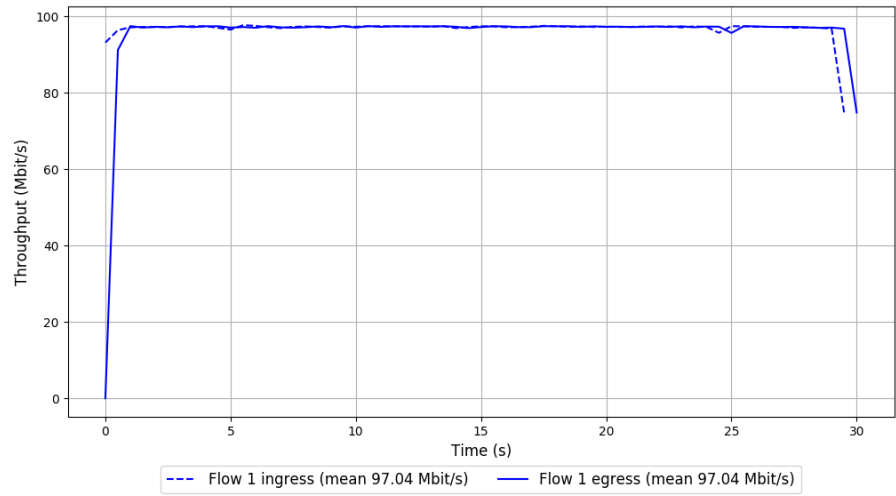


Run 6: Statistics of Indigo

Start at: 2018-06-05 21:15:21
End at: 2018-06-05 21:15:51
Local clock offset: -6.596 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-06-05 22:39:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 5.128 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 5.128 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link

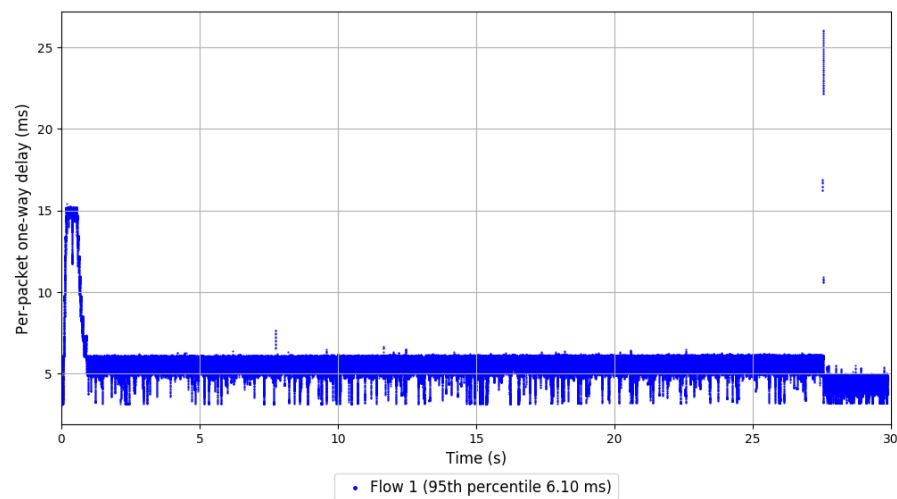
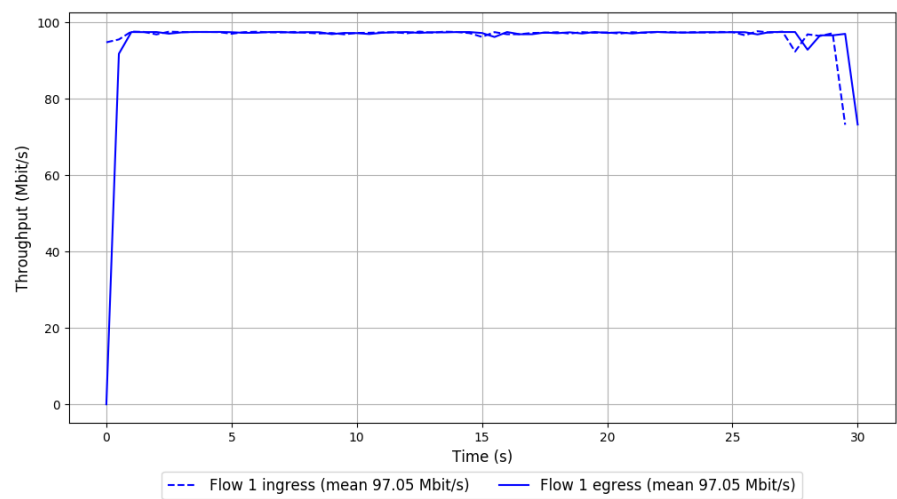


Run 7: Statistics of Indigo

Start at: 2018-06-05 21:33:13
End at: 2018-06-05 21:33:43
Local clock offset: -6.502 ms
Remote clock offset: -0.617 ms

Below is generated by plot.py at 2018-06-05 22:40:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 6.100 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 6.100 ms
Loss rate: 0.02%

Run 7: Report of Indigo — Data Link

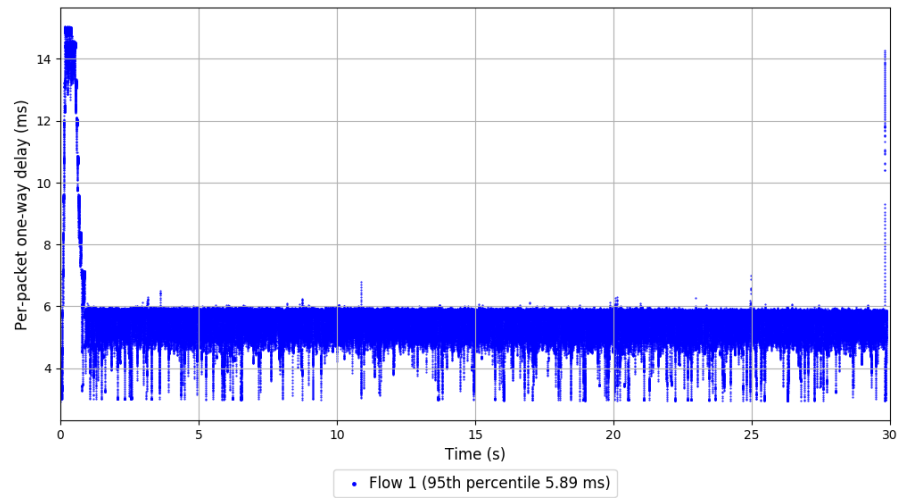
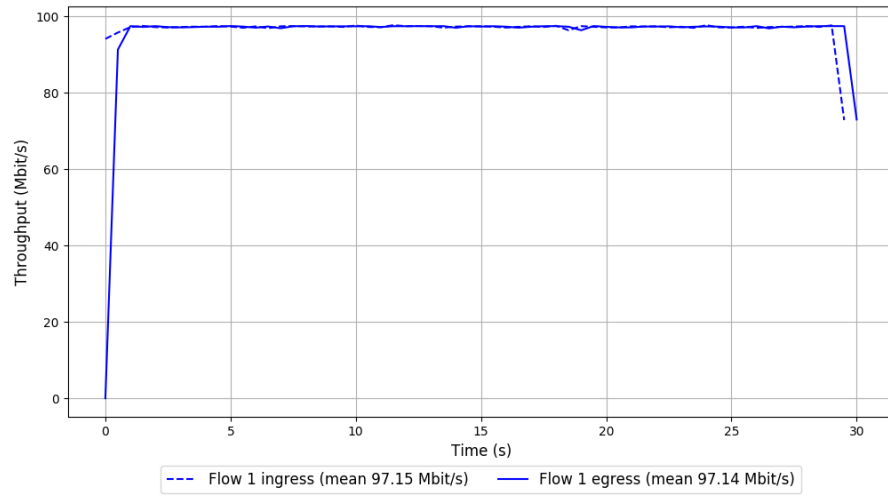


Run 8: Statistics of Indigo

Start at: 2018-06-05 21:51:08
End at: 2018-06-05 21:51:38
Local clock offset: -5.326 ms
Remote clock offset: -5.953 ms

Below is generated by plot.py at 2018-06-05 22:40:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 5.894 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 5.894 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link

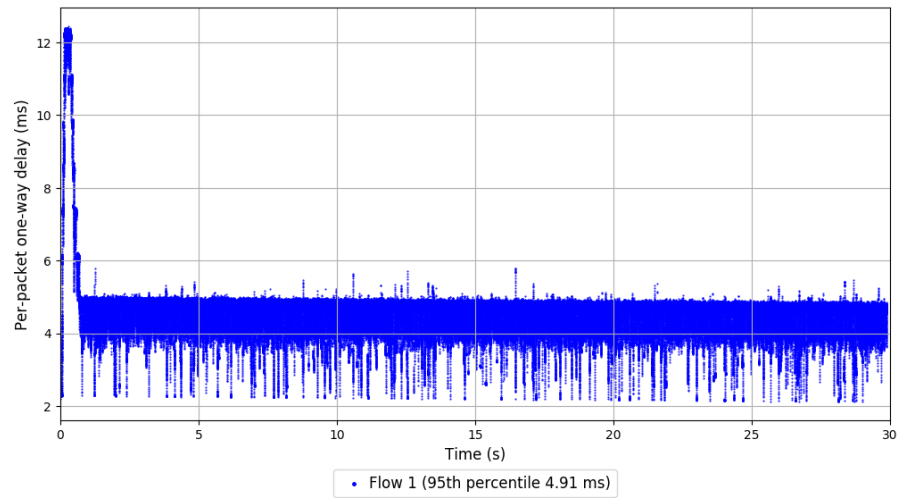
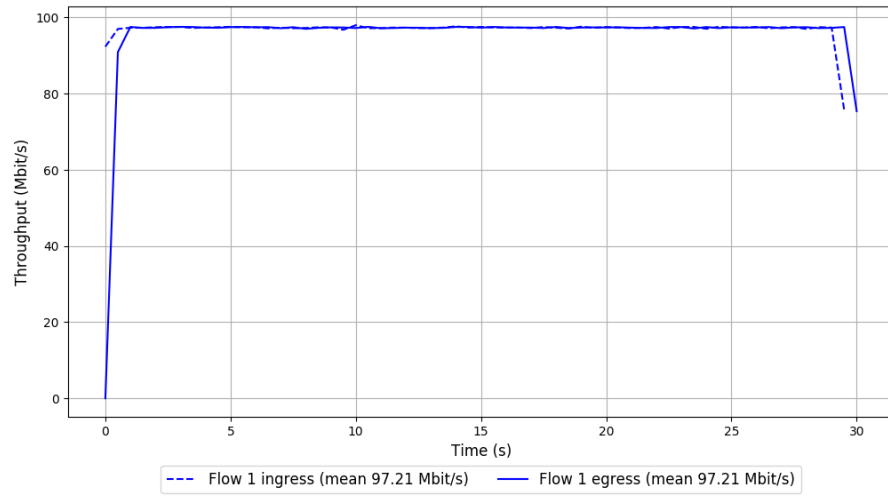


Run 9: Statistics of Indigo

Start at: 2018-06-05 22:09:03
End at: 2018-06-05 22:09:33
Local clock offset: -3.739 ms
Remote clock offset: -7.209 ms

Below is generated by plot.py at 2018-06-05 22:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.908 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.908 ms
Loss rate: 0.02%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 22:26:56

End at: 2018-06-05 22:27:27

Local clock offset: -0.471 ms

Remote clock offset: -7.098 ms

Below is generated by plot.py at 2018-06-05 22:40:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 5.059 ms

Loss rate: 0.01%

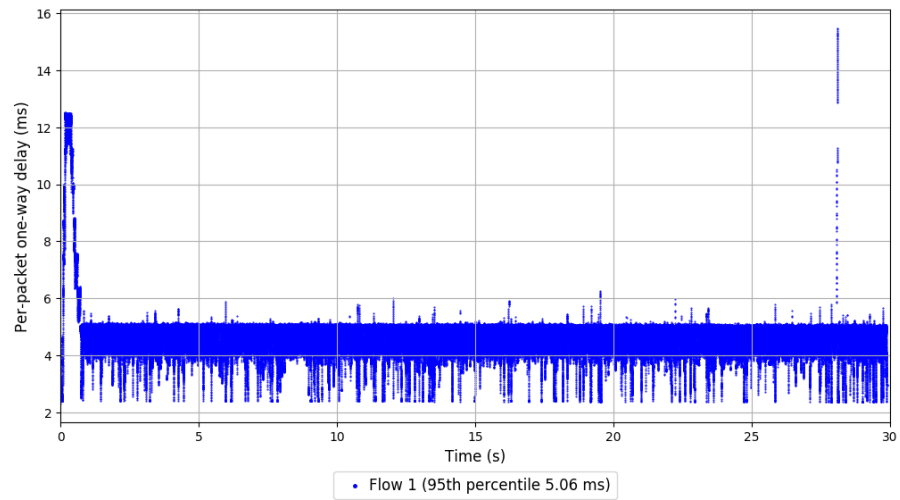
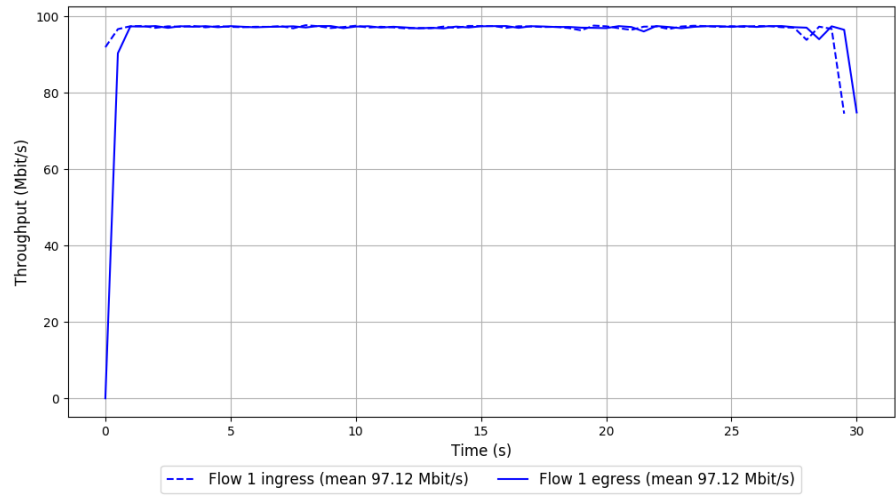
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 5.059 ms

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

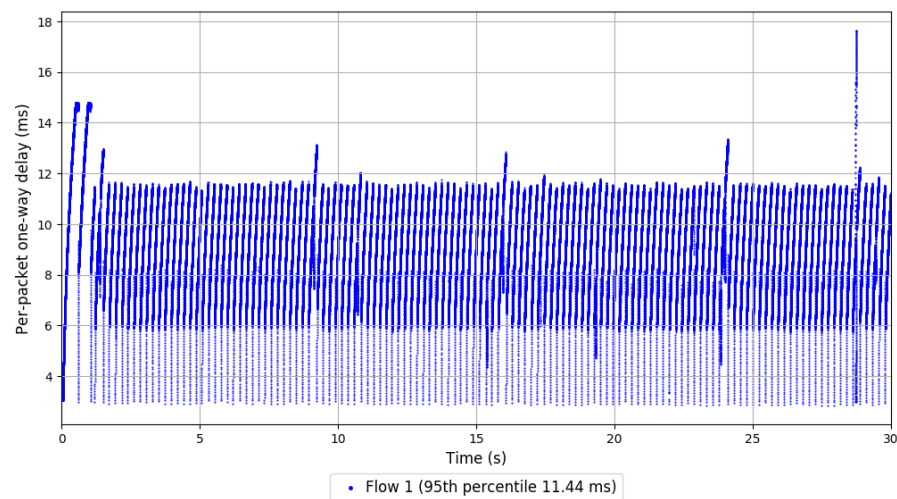
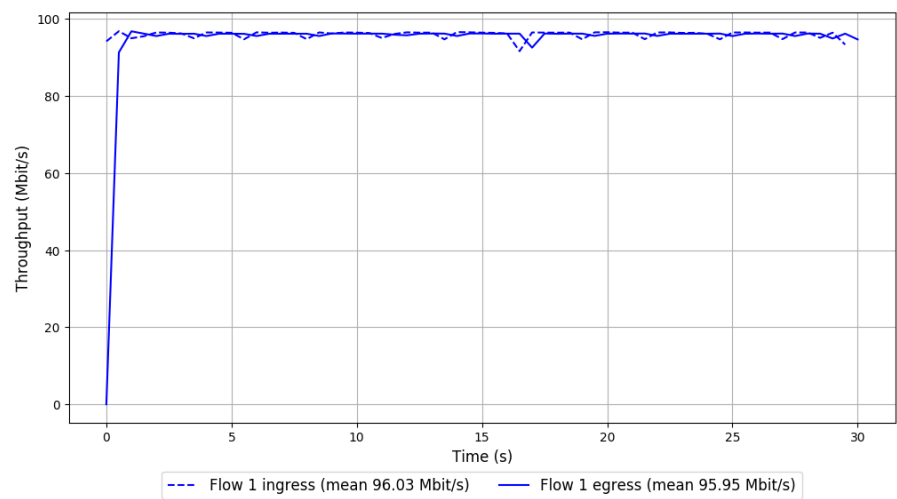


Run 1: Statistics of LEDBAT

Start at: 2018-06-05 19:41:41
End at: 2018-06-05 19:42:11
Local clock offset: -0.893 ms
Remote clock offset: -1.984 ms

Below is generated by plot.py at 2018-06-05 22:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 11.437 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 11.437 ms
Loss rate: 0.07%

Run 1: Report of LEDBAT — Data Link

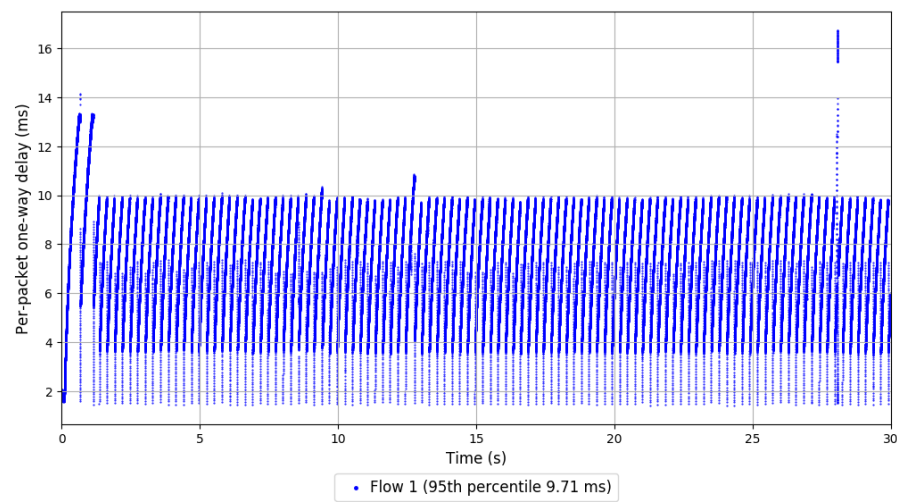
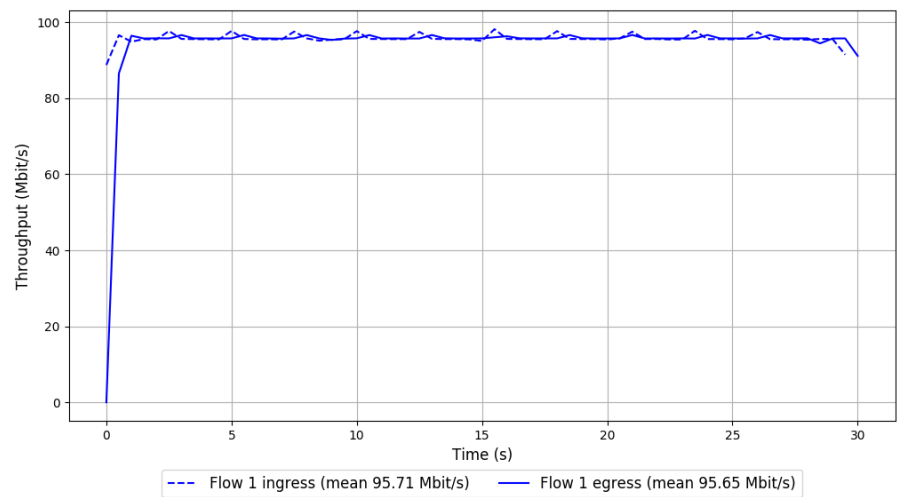


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 19:59:32
End at: 2018-06-05 20:00:02
Local clock offset: 0.197 ms
Remote clock offset: -1.532 ms

Below is generated by plot.py at 2018-06-05 22:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 9.714 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 9.714 ms
Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link

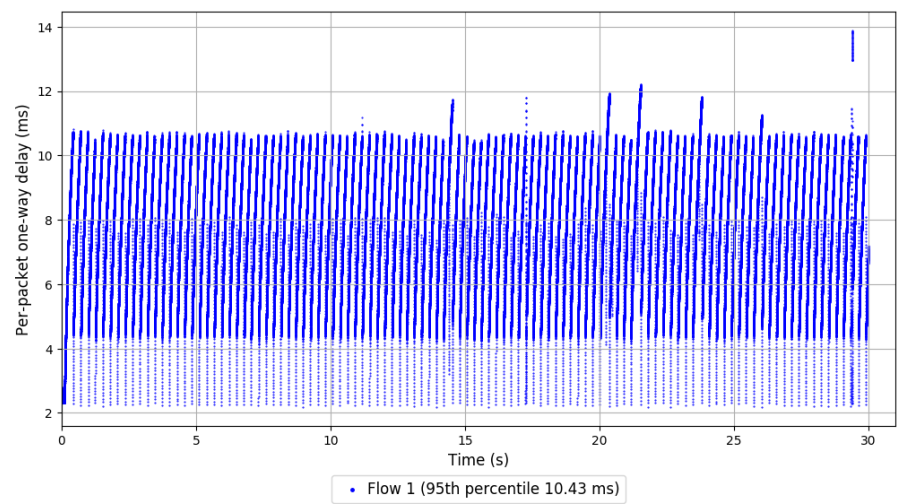
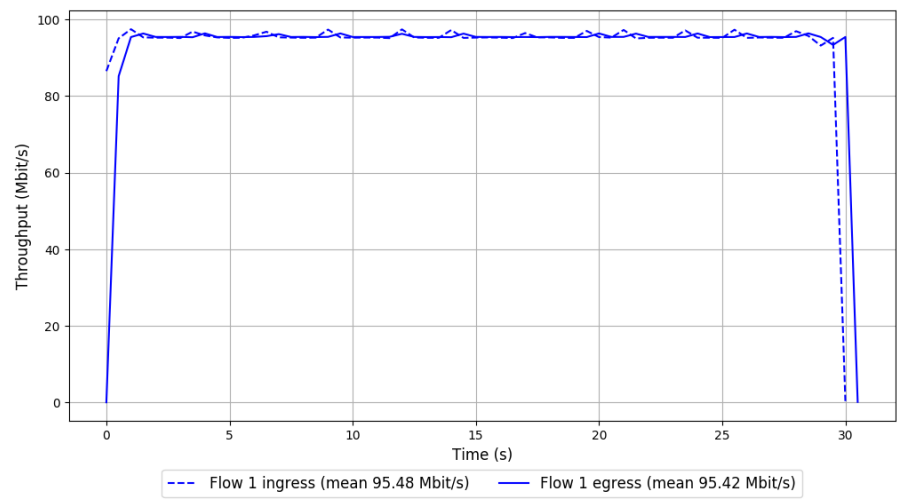


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 20:17:22
End at: 2018-06-05 20:17:52
Local clock offset: 2.411 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2018-06-05 22:40:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 10.430 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 10.430 ms
Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

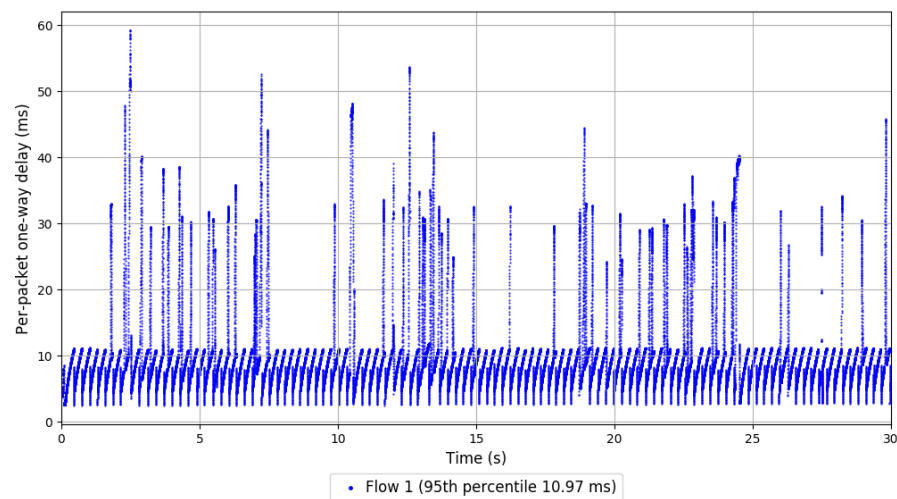
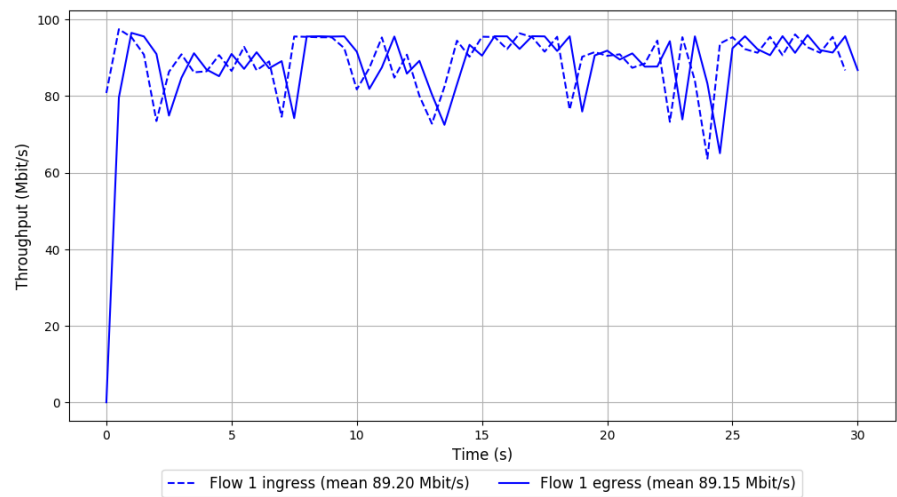


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 20:35:10
End at: 2018-06-05 20:35:40
Local clock offset: 2.45 ms
Remote clock offset: -5.302 ms

Below is generated by plot.py at 2018-06-05 22:40:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 10.966 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 10.966 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-05 20:52:58

End at: 2018-06-05 20:53:28

Local clock offset: -4.825 ms

Remote clock offset: -8.35 ms

Below is generated by plot.py at 2018-06-05 22:41:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 11.528 ms

Loss rate: 0.08%

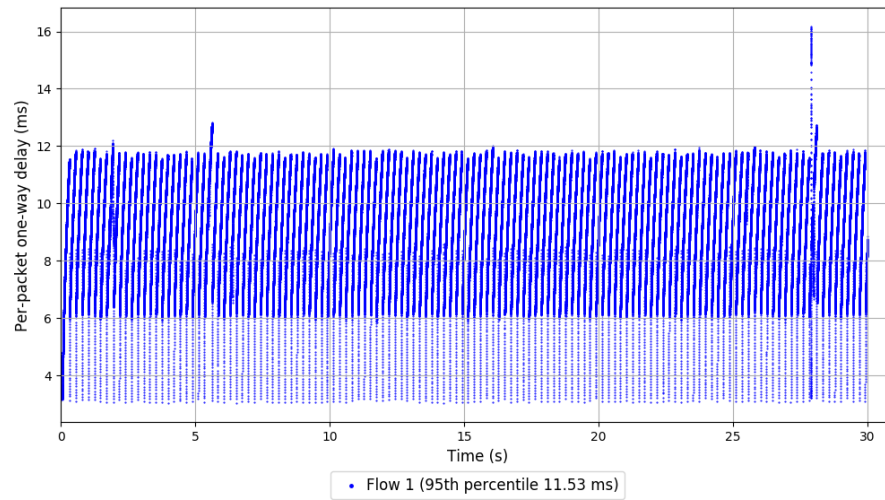
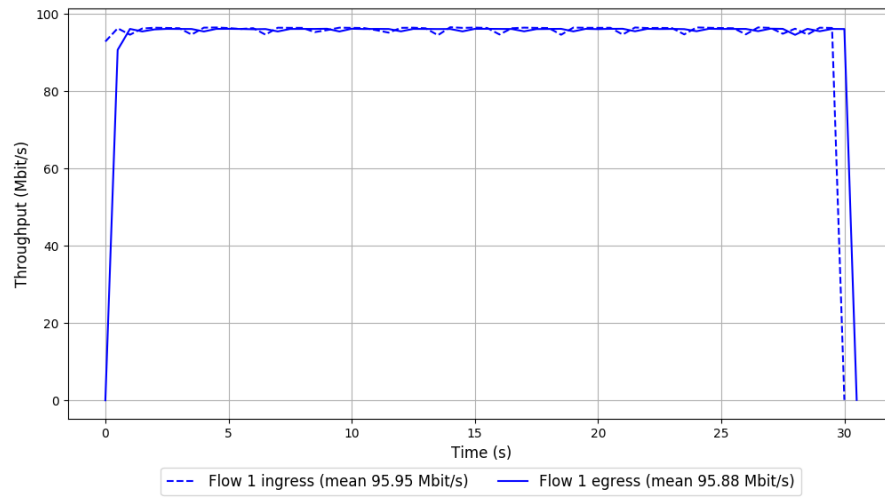
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 11.528 ms

Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

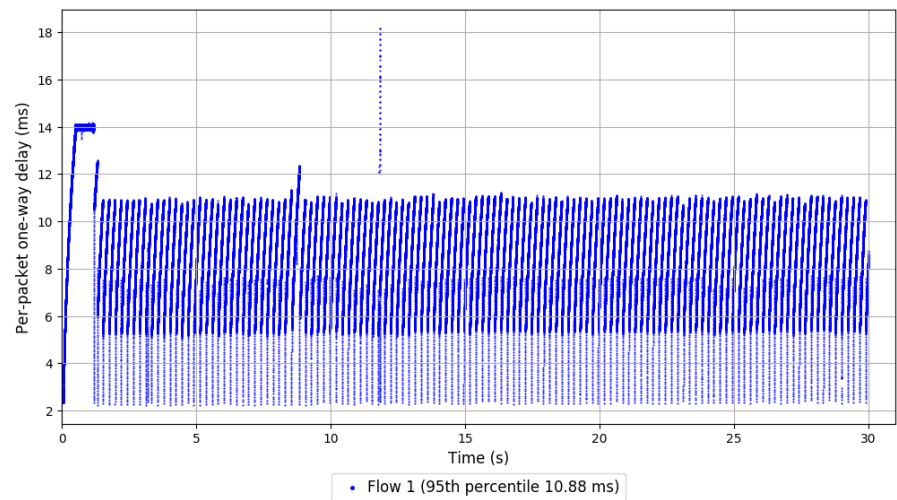
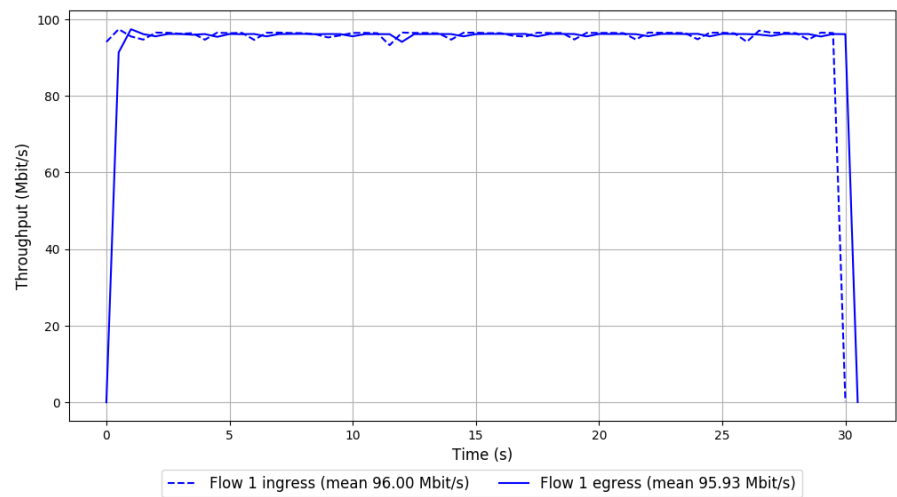


Run 6: Statistics of LEDBAT

Start at: 2018-06-05 21:10:54
End at: 2018-06-05 21:11:24
Local clock offset: -6.667 ms
Remote clock offset: -3.957 ms

Below is generated by plot.py at 2018-06-05 22:41:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 10.881 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 10.881 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link

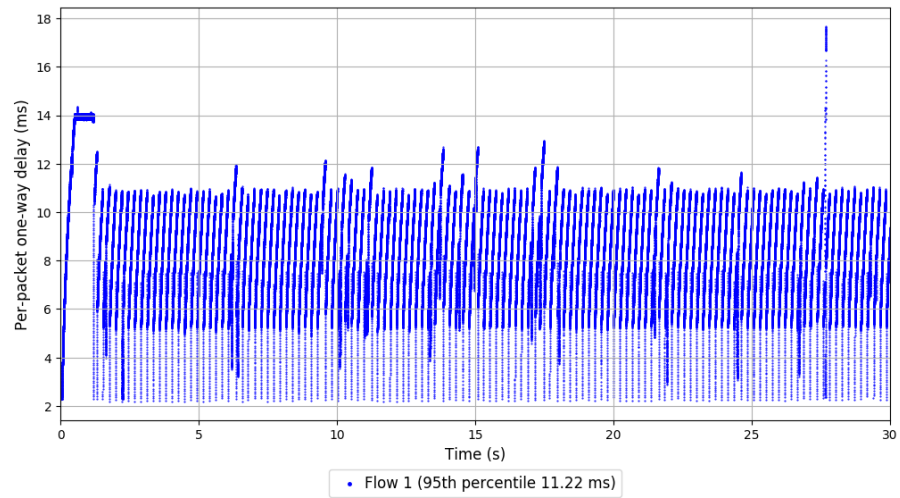
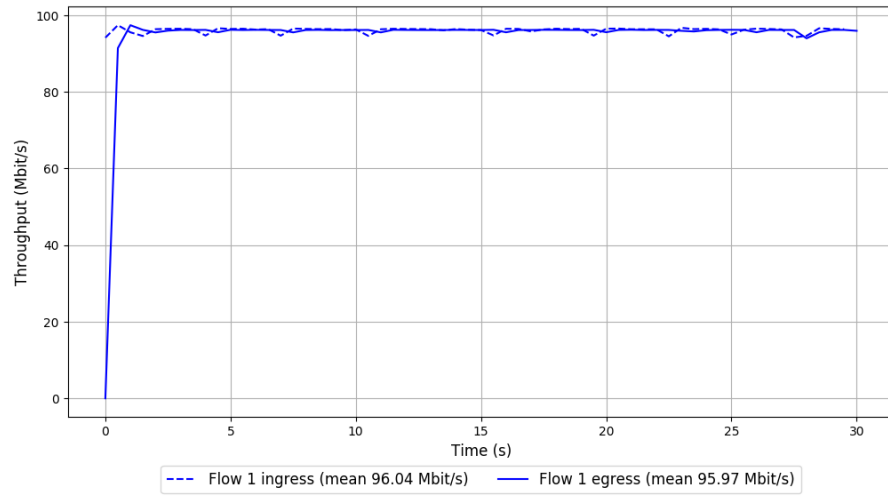


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 21:28:46
End at: 2018-06-05 21:29:16
Local clock offset: -7.102 ms
Remote clock offset: -1.016 ms

Below is generated by plot.py at 2018-06-05 22:41:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 11.219 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 11.219 ms
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

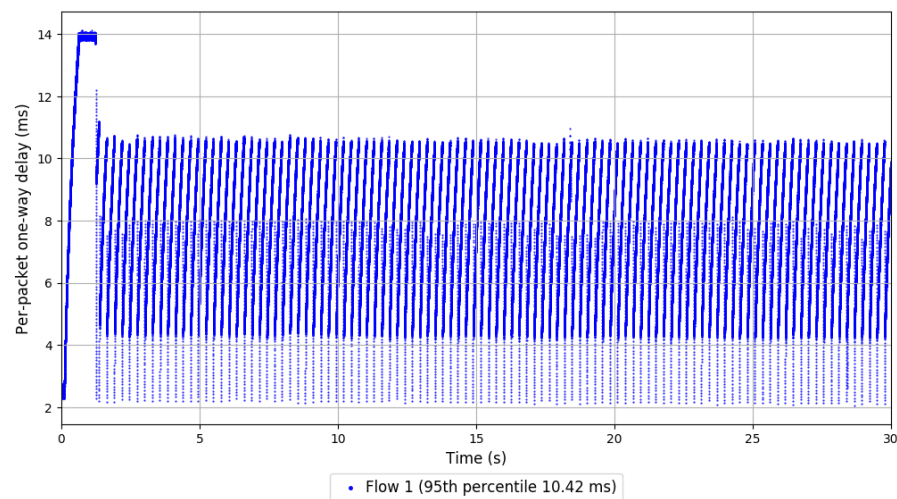
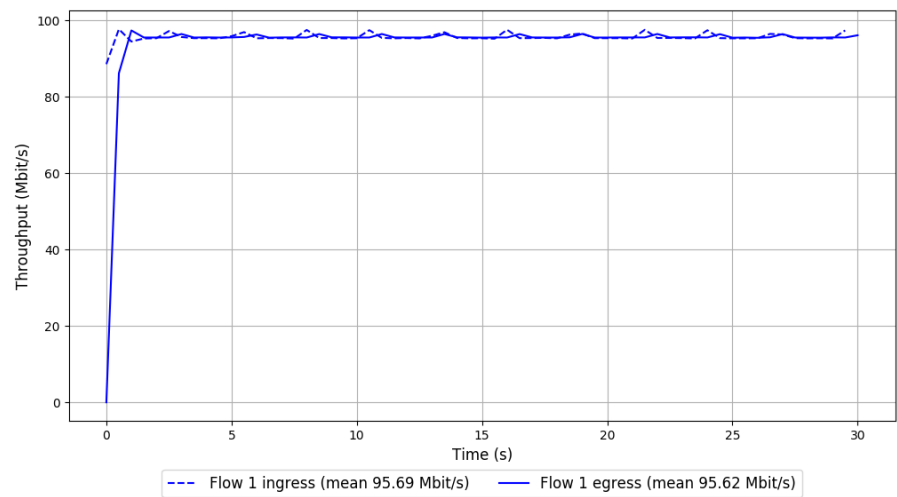


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 21:46:41
End at: 2018-06-05 21:47:11
Local clock offset: -6.101 ms
Remote clock offset: -5.269 ms

Below is generated by plot.py at 2018-06-05 22:41:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 10.418 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 10.418 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link

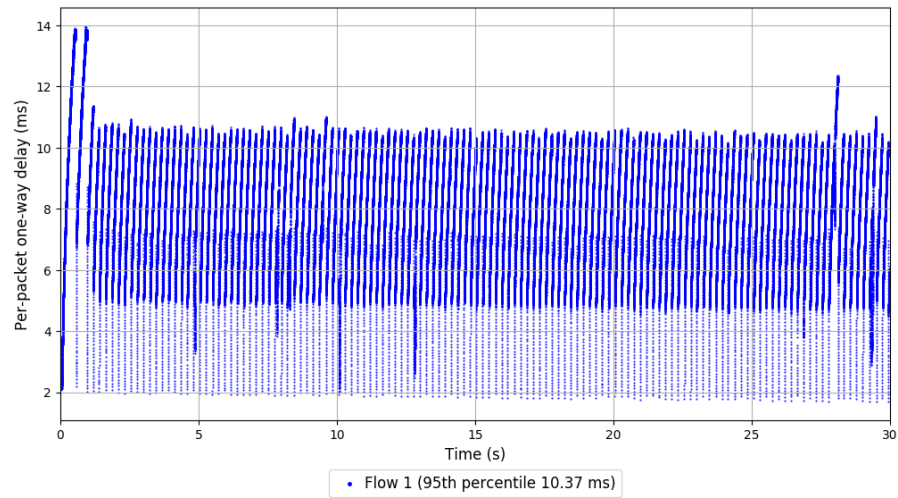
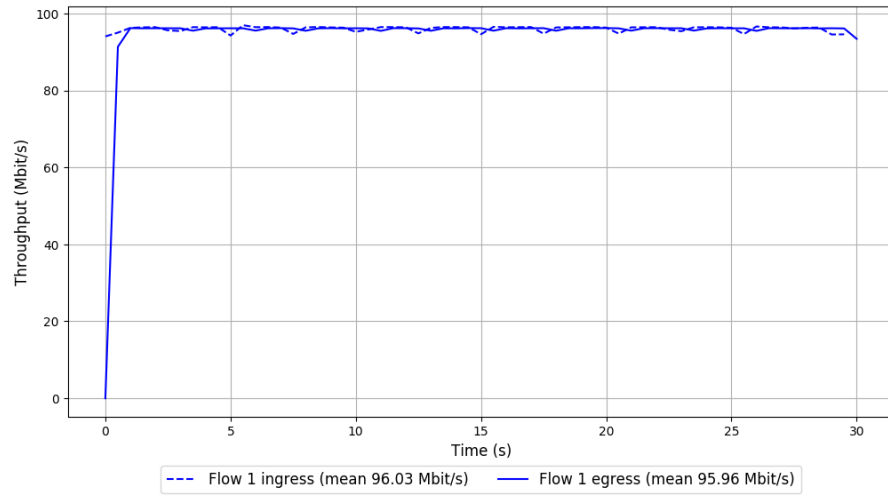


Run 9: Statistics of LEDBAT

Start at: 2018-06-05 22:04:37
End at: 2018-06-05 22:05:07
Local clock offset: -5.88 ms
Remote clock offset: -6.981 ms

Below is generated by plot.py at 2018-06-05 22:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 10.369 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

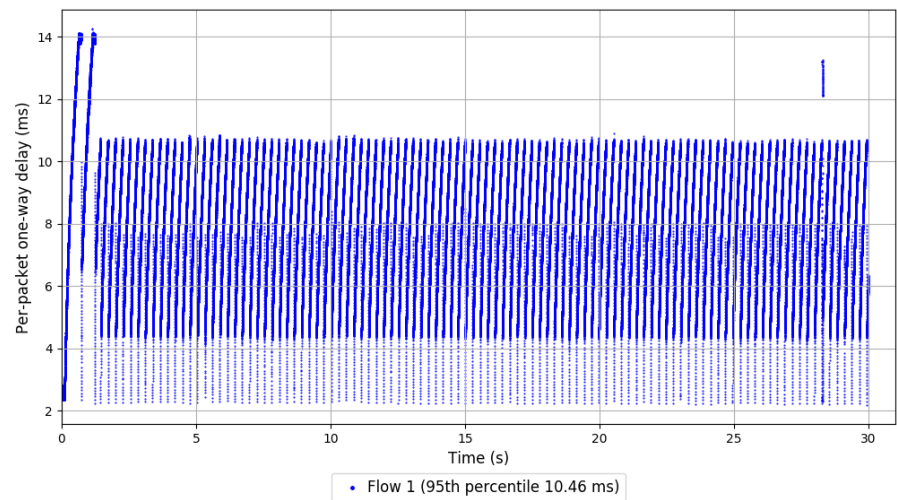
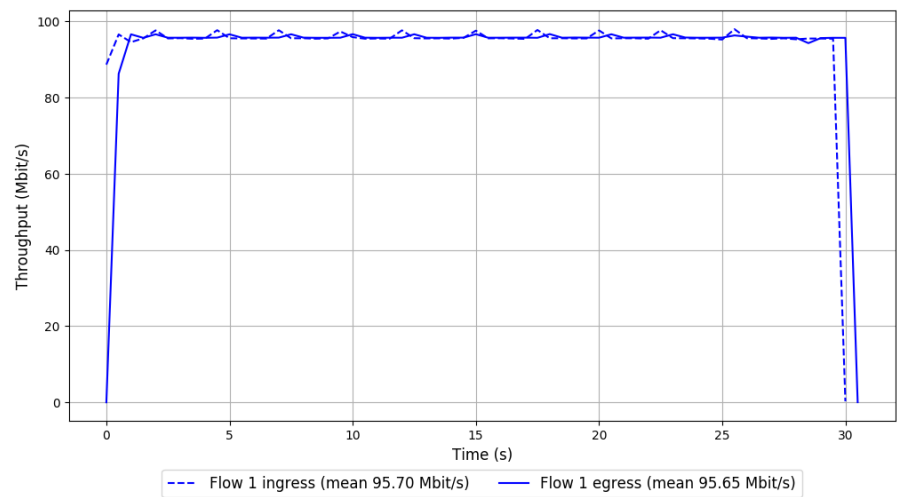


Run 10: Statistics of LEDBAT

Start at: 2018-06-05 22:22:30
End at: 2018-06-05 22:23:00
Local clock offset: -0.893 ms
Remote clock offset: -7.018 ms

Below is generated by plot.py at 2018-06-05 22:41:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.460 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.460 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

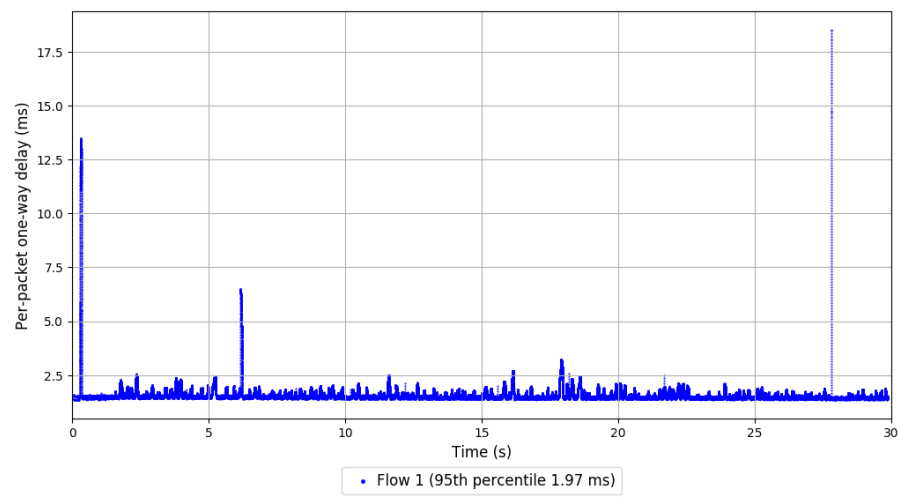
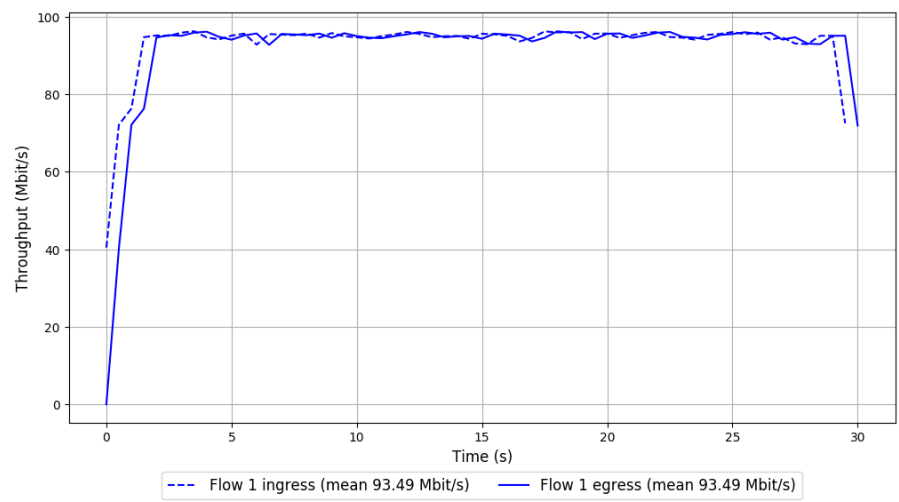


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 19:47:15
End at: 2018-06-05 19:47:45
Local clock offset: -1.286 ms
Remote clock offset: -1.649 ms

# Below is generated by plot.py at 2018-06-05 22:41:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 1.968 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 1.968 ms
Loss rate: 0.02%
```


Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 20:05:06

End at: 2018-06-05 20:05:36

Local clock offset: 1.386 ms

Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-06-05 22:41:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.42 Mbit/s

95th percentile per-packet one-way delay: 23.952 ms

Loss rate: 0.88%

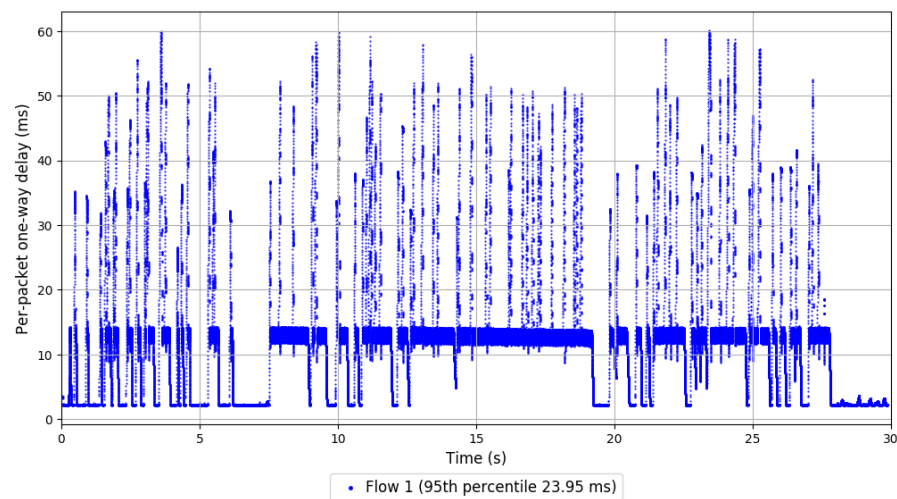
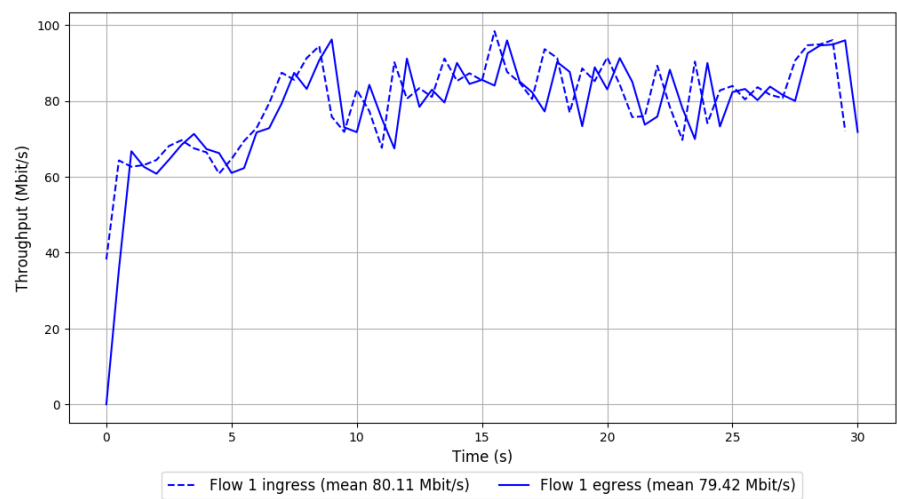
-- Flow 1:

Average throughput: 79.42 Mbit/s

95th percentile per-packet one-way delay: 23.952 ms

Loss rate: 0.88%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 20:22:57

End at: 2018-06-05 20:23:27

Local clock offset: 3.524 ms

Remote clock offset: -1.188 ms

Below is generated by plot.py at 2018-06-05 22:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 16.522 ms

Loss rate: 1.18%

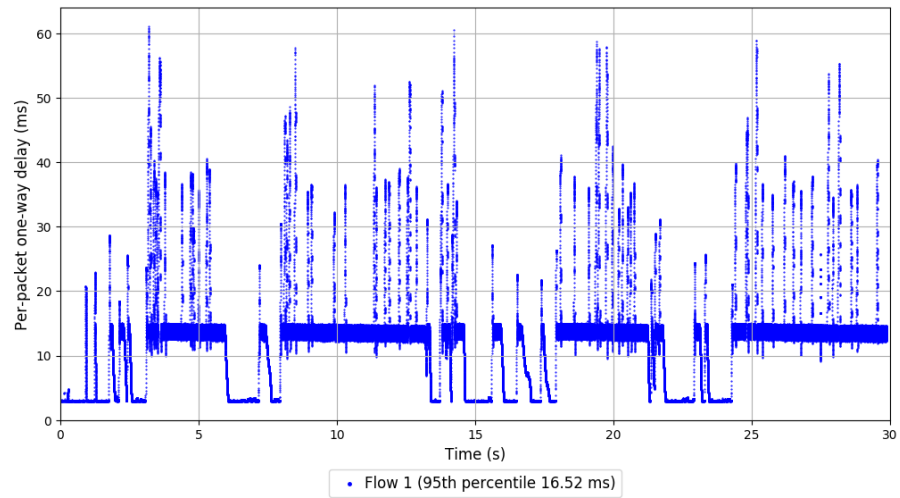
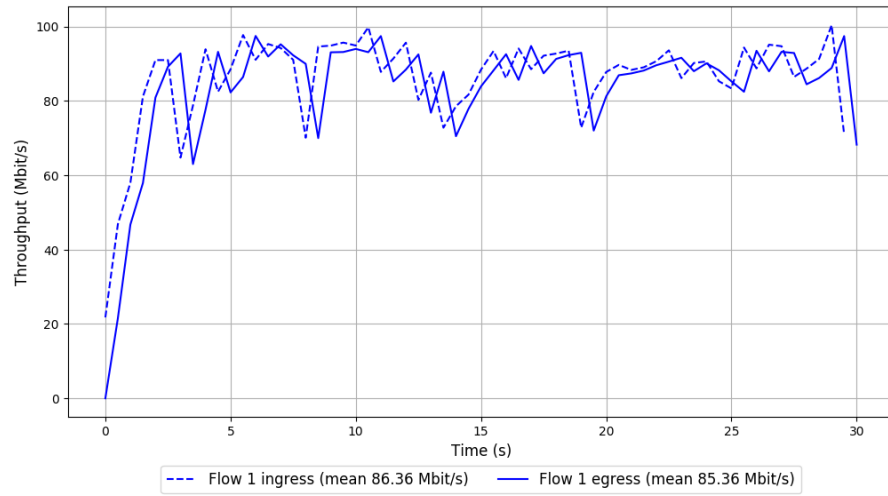
-- Flow 1:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 16.522 ms

Loss rate: 1.18%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 20:40:45

End at: 2018-06-05 20:41:15

Local clock offset: -1.496 ms

Remote clock offset: -6.71 ms

Below is generated by plot.py at 2018-06-05 22:42:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 3.764 ms

Loss rate: 0.02%

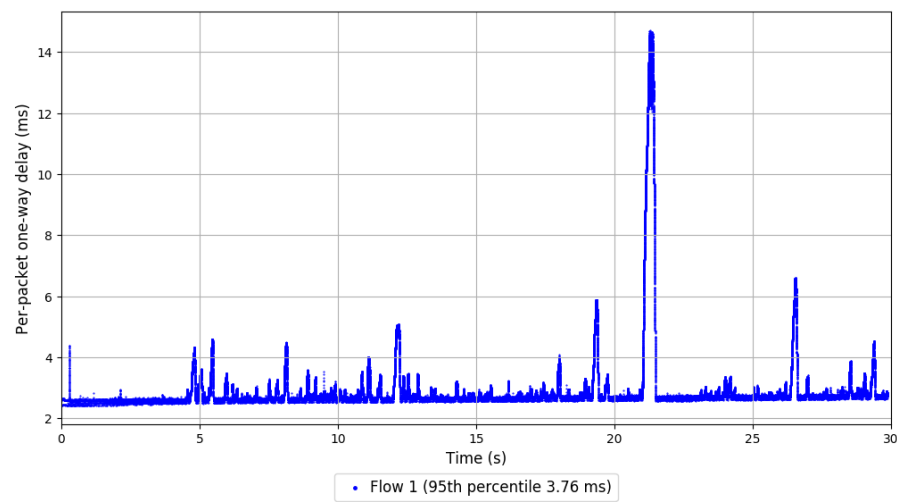
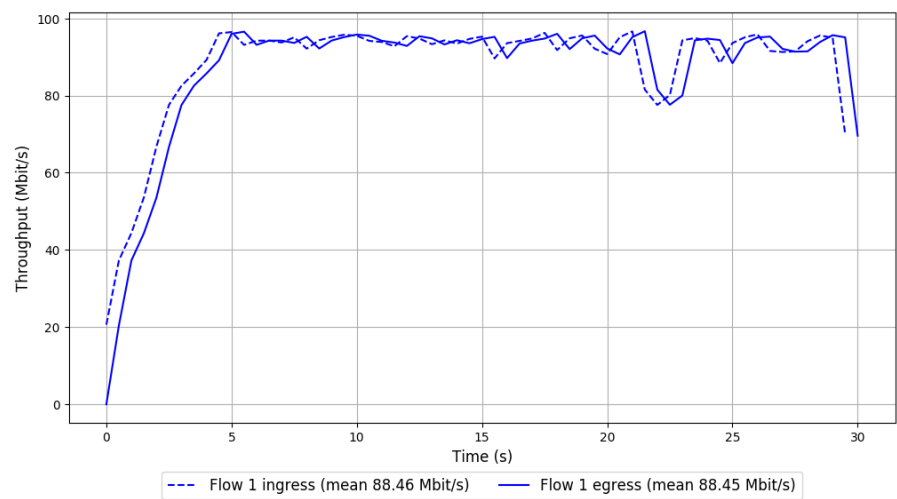
-- Flow 1:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 3.764 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 20:58:33

End at: 2018-06-05 20:59:03

Local clock offset: -5.756 ms

Remote clock offset: -8.885 ms

Below is generated by plot.py at 2018-06-05 22:42:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 6.470 ms

Loss rate: 0.02%

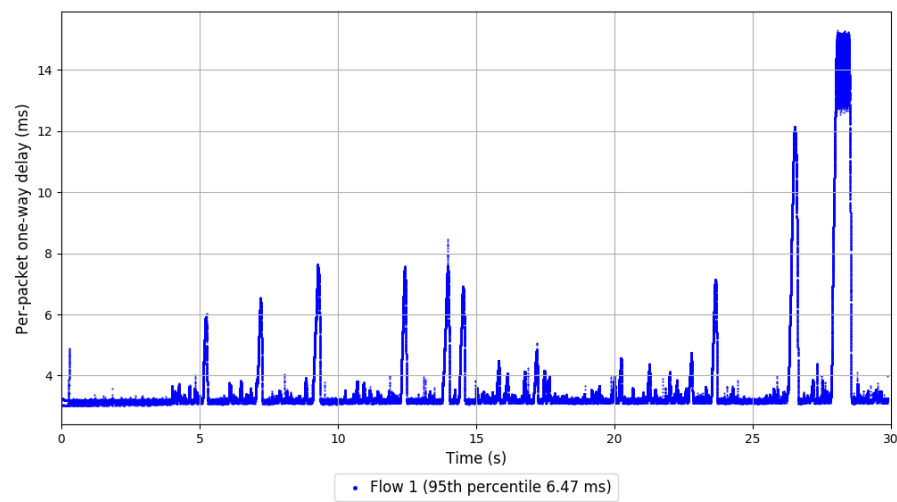
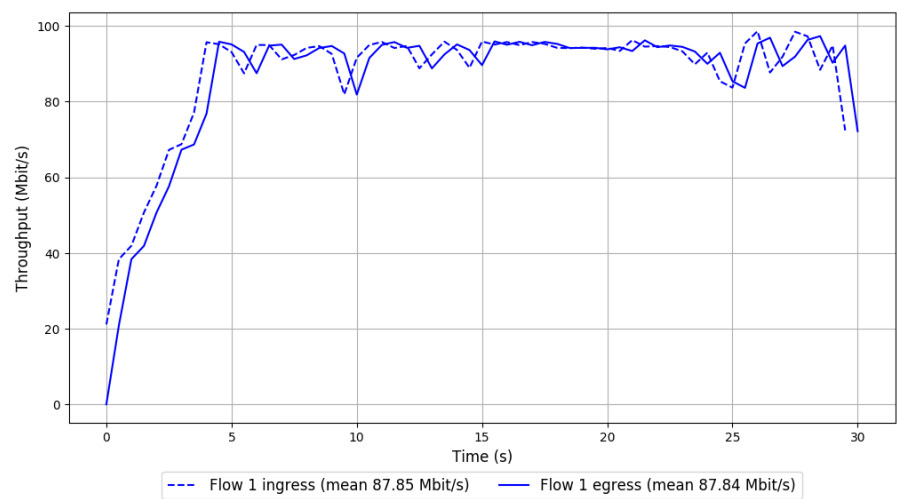
-- Flow 1:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 6.470 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 21:16:29

End at: 2018-06-05 21:16:59

Local clock offset: -6.609 ms

Remote clock offset: -2.74 ms

Below is generated by plot.py at 2018-06-05 22:42:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 3.888 ms

Loss rate: 0.01%

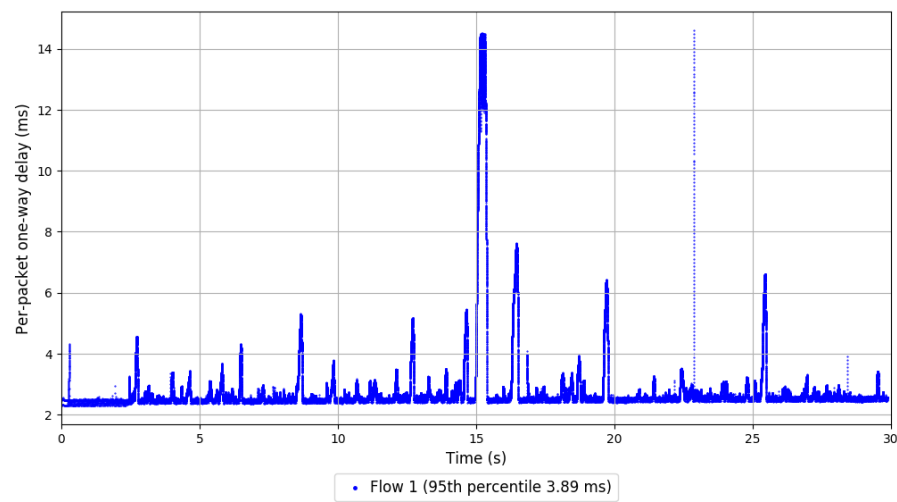
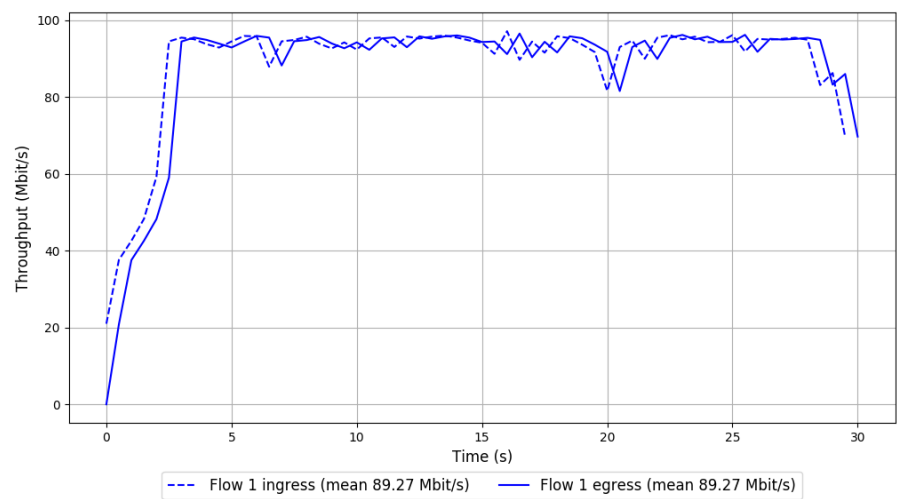
-- Flow 1:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 3.888 ms

Loss rate: 0.01%

Run 6: Report of PCC-Allegro — Data Link

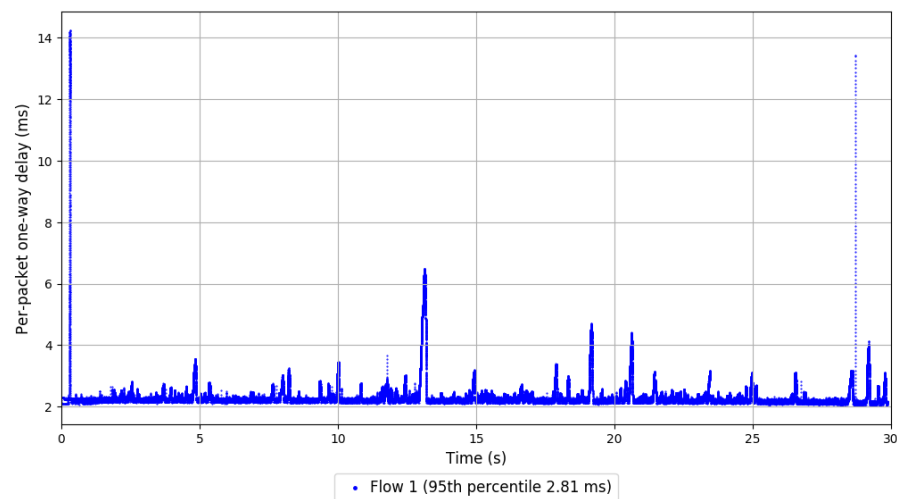
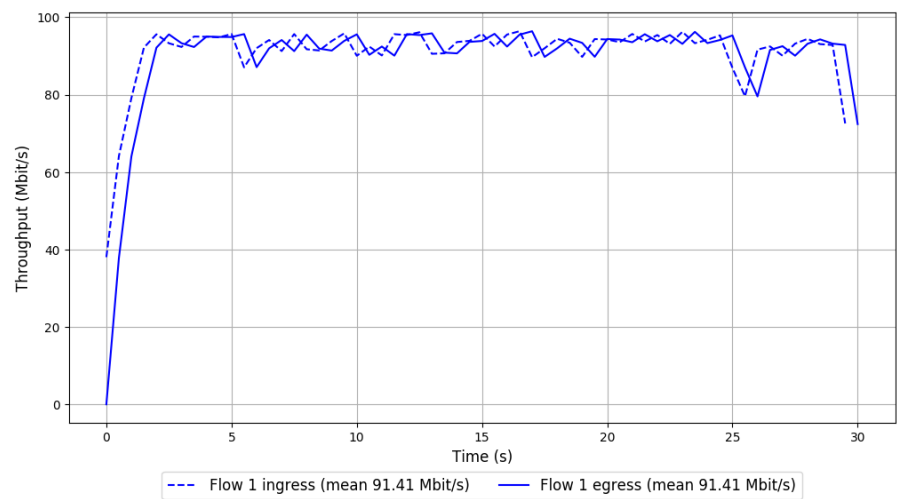


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 21:34:21
End at: 2018-06-05 21:34:51
Local clock offset: -7.287 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-06-05 22:42:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.01%

Run 7: Report of PCC-Allegro — Data Link

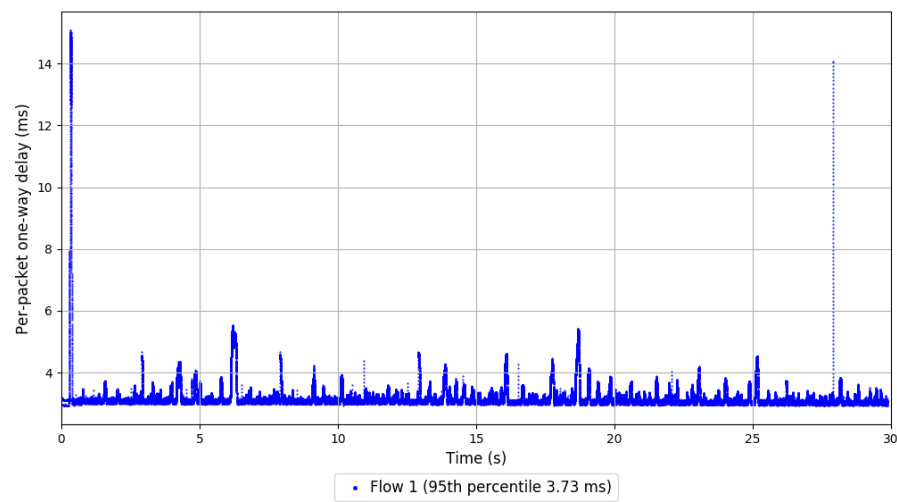
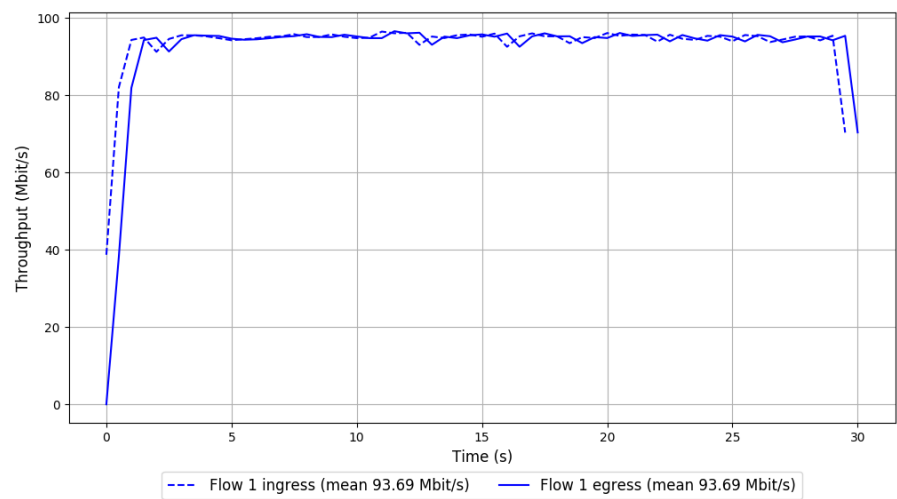


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 21:52:16
End at: 2018-06-05 21:52:46
Local clock offset: -5.278 ms
Remote clock offset: -6.121 ms

Below is generated by plot.py at 2018-06-05 22:42:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.01%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 22:10:12

End at: 2018-06-05 22:10:42

Local clock offset: -3.39 ms

Remote clock offset: -7.152 ms

Below is generated by plot.py at 2018-06-05 22:43:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 2.882 ms

Loss rate: 0.01%

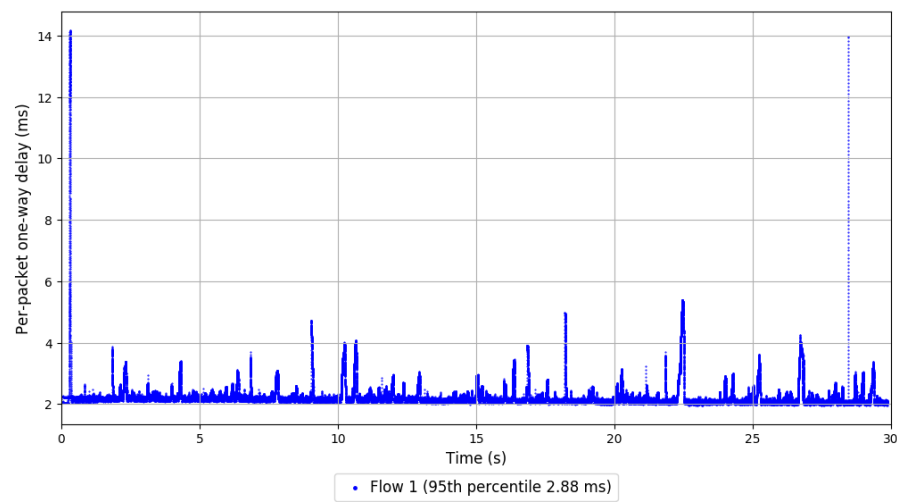
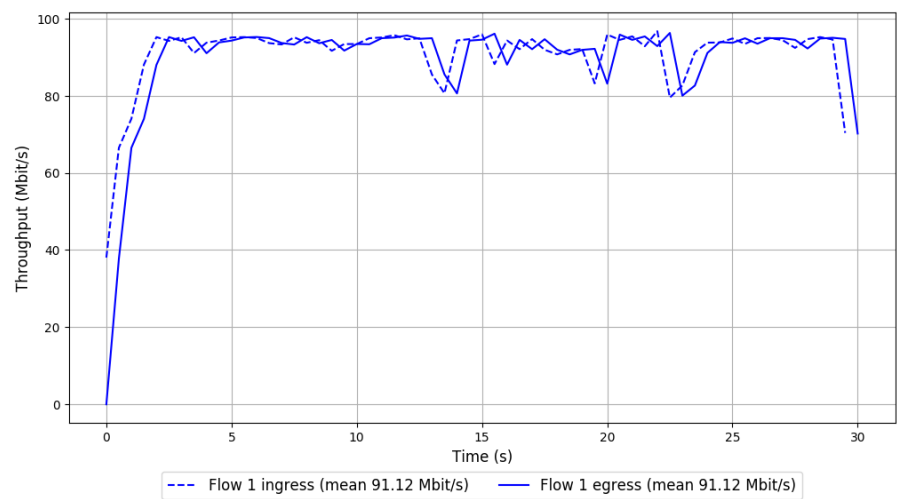
-- Flow 1:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 2.882 ms

Loss rate: 0.01%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 22:28:05

End at: 2018-06-05 22:28:35

Local clock offset: 0.414 ms

Remote clock offset: -7.065 ms

Below is generated by plot.py at 2018-06-05 22:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 3.820 ms

Loss rate: 0.01%

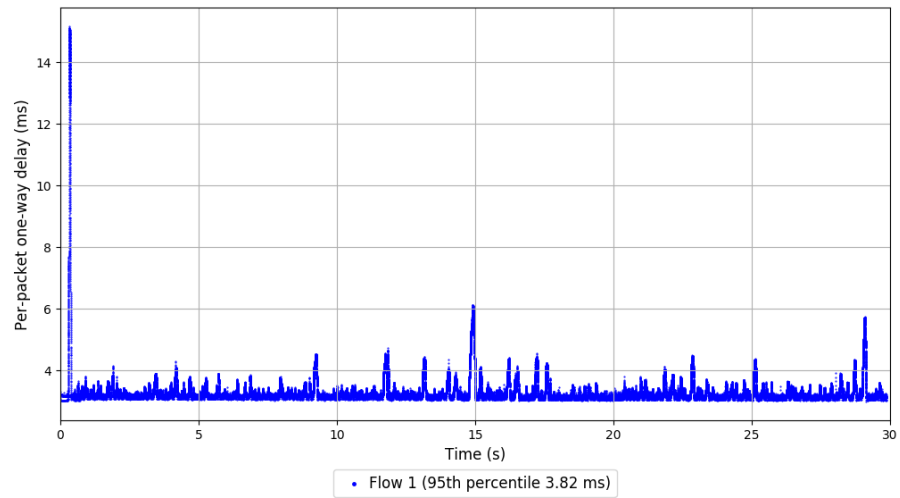
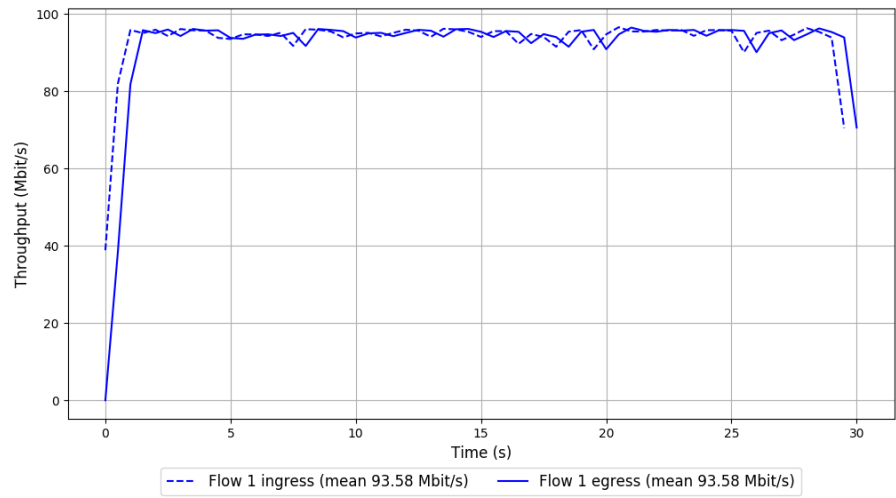
-- Flow 1:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 3.820 ms

Loss rate: 0.01%

Run 10: Report of PCC-Allegro — Data Link

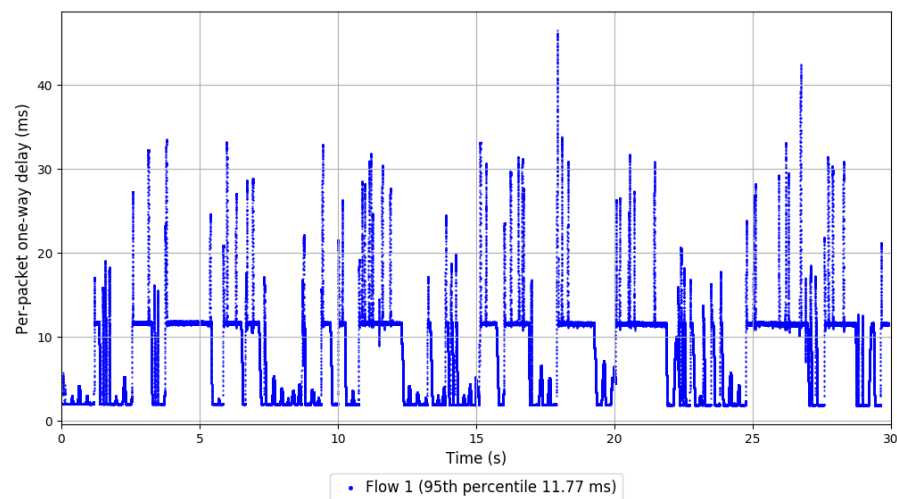
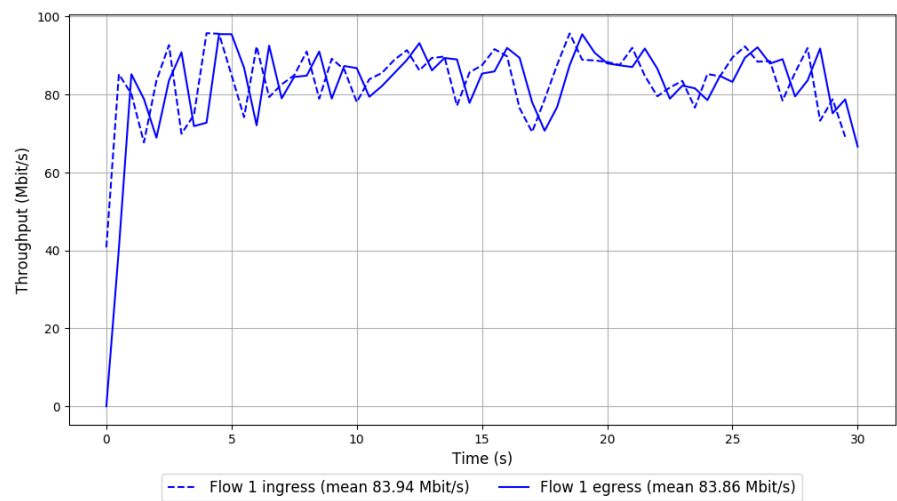


Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 19:35:03
End at: 2018-06-05 19:35:33
Local clock offset: -4.187 ms
Remote clock offset: -2.628 ms

Below is generated by plot.py at 2018-06-05 22:44:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 11.770 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 11.770 ms
Loss rate: 0.12%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 19:52:54

End at: 2018-06-05 19:53:24

Local clock offset: 0.285 ms

Remote clock offset: -1.434 ms

Below is generated by plot.py at 2018-06-05 22:44:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.35 Mbit/s

95th percentile per-packet one-way delay: 14.713 ms

Loss rate: 0.11%

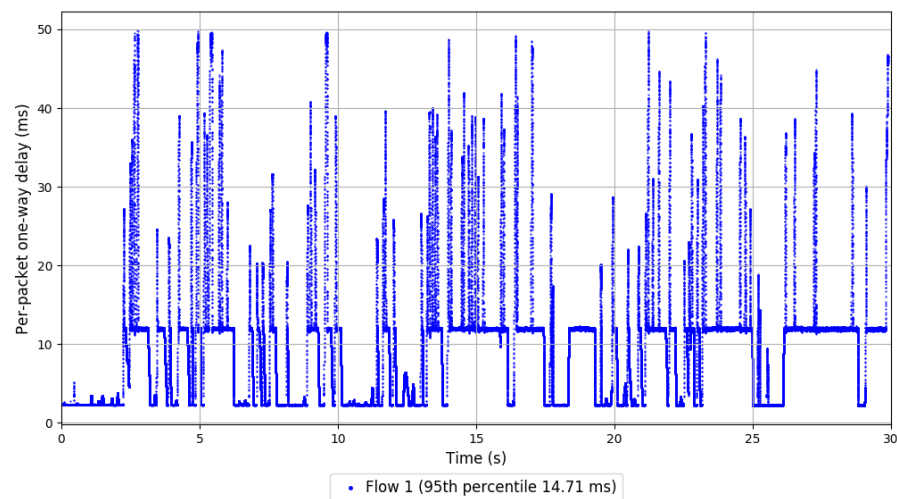
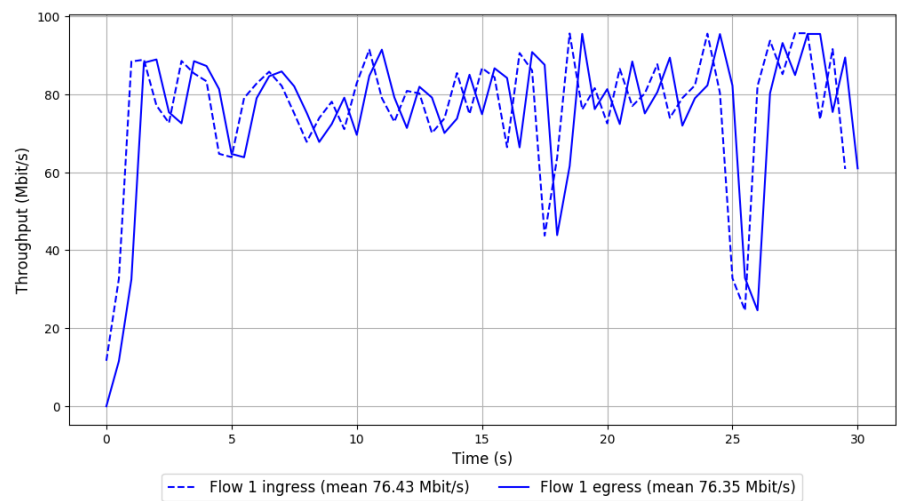
-- Flow 1:

Average throughput: 76.35 Mbit/s

95th percentile per-packet one-way delay: 14.713 ms

Loss rate: 0.11%

Run 2: Report of PCC-Expr — Data Link

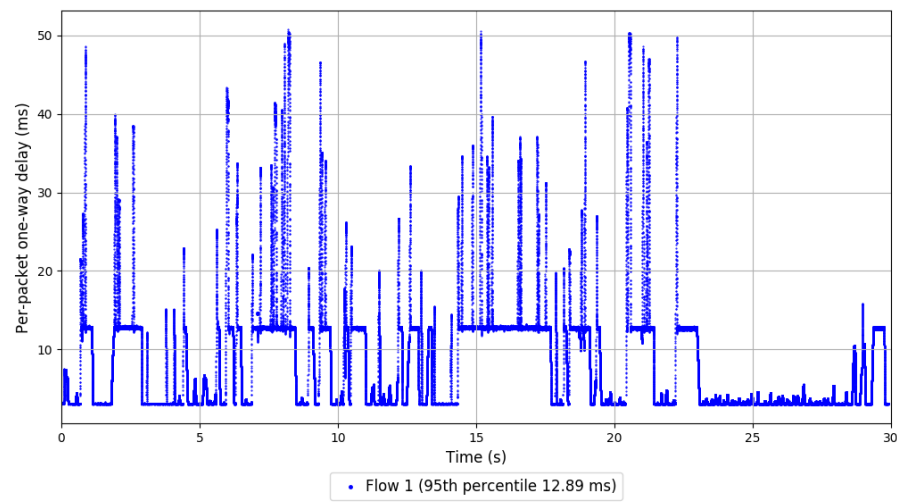
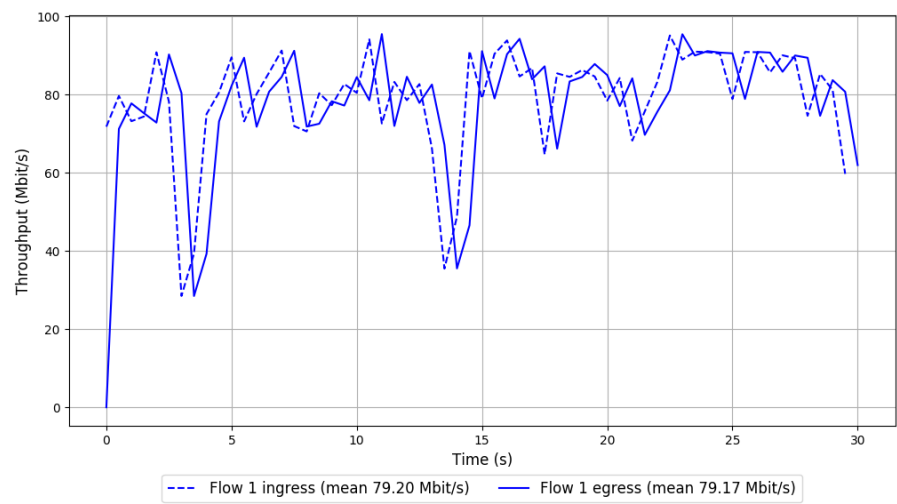


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 20:10:43
End at: 2018-06-05 20:11:13
Local clock offset: 2.689 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-06-05 22:44:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 12.888 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 12.888 ms
Loss rate: 0.05%

Run 3: Report of PCC-Expr — Data Link

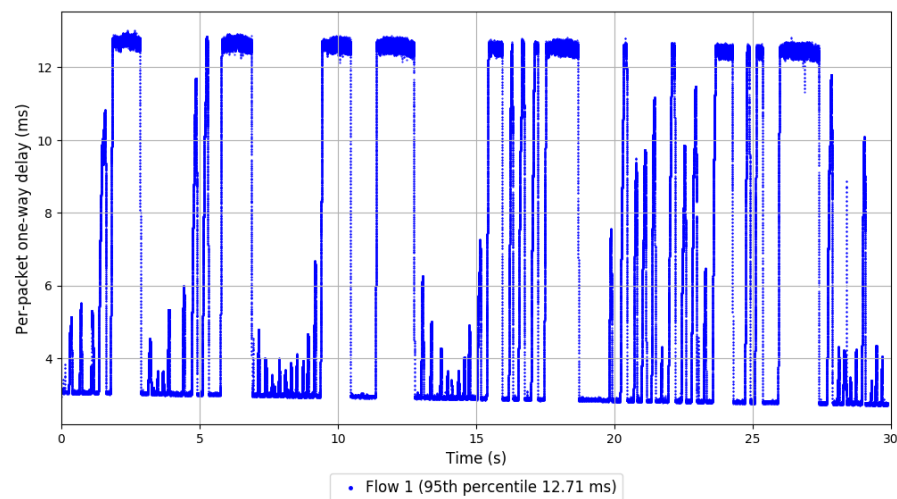
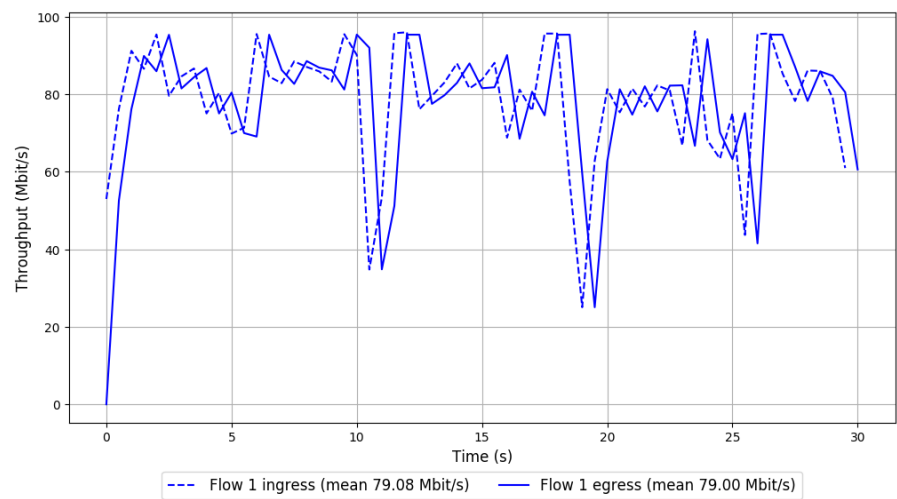


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 20:28:35
End at: 2018-06-05 20:29:05
Local clock offset: 4.005 ms
Remote clock offset: -2.461 ms

Below is generated by plot.py at 2018-06-05 22:44:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 12.708 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 79.00 Mbit/s
95th percentile per-packet one-way delay: 12.708 ms
Loss rate: 0.11%

Run 4: Report of PCC-Expr — Data Link

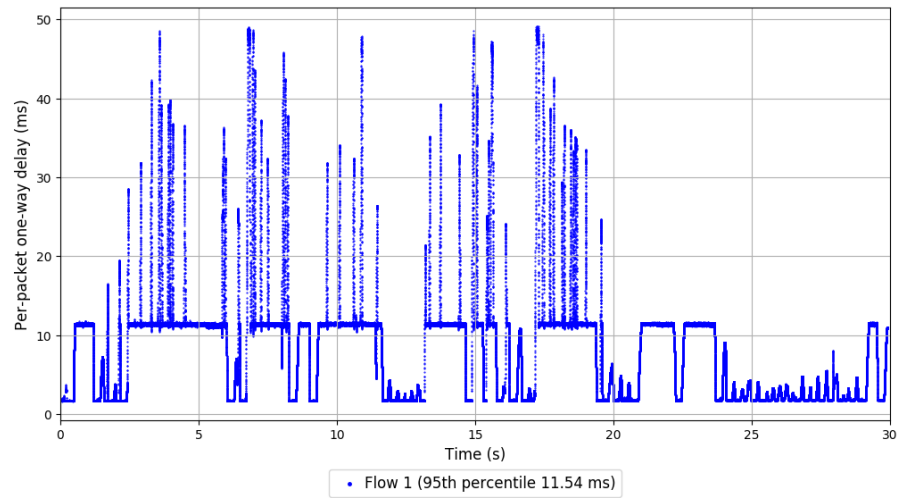
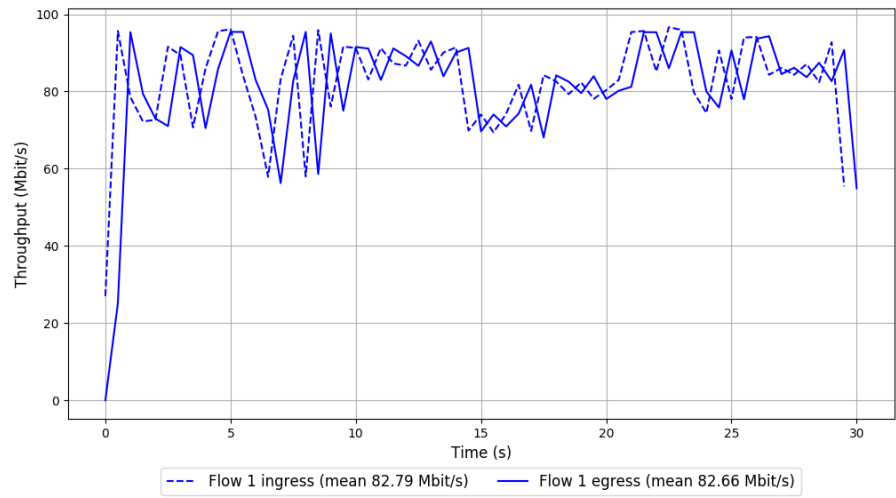


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 20:46:22
End at: 2018-06-05 20:46:52
Local clock offset: -4.66 ms
Remote clock offset: -7.604 ms

Below is generated by plot.py at 2018-06-05 22:44:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 11.543 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 11.543 ms
Loss rate: 0.17%

Run 5: Report of PCC-Expr — Data Link

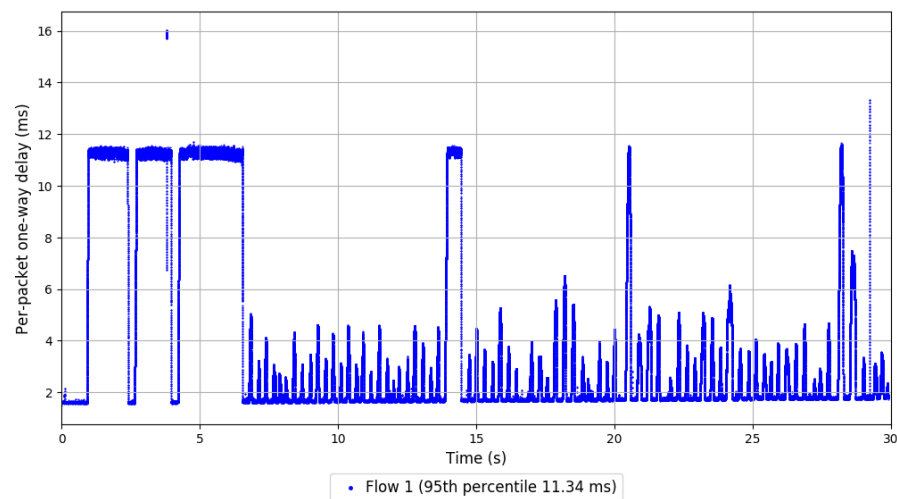
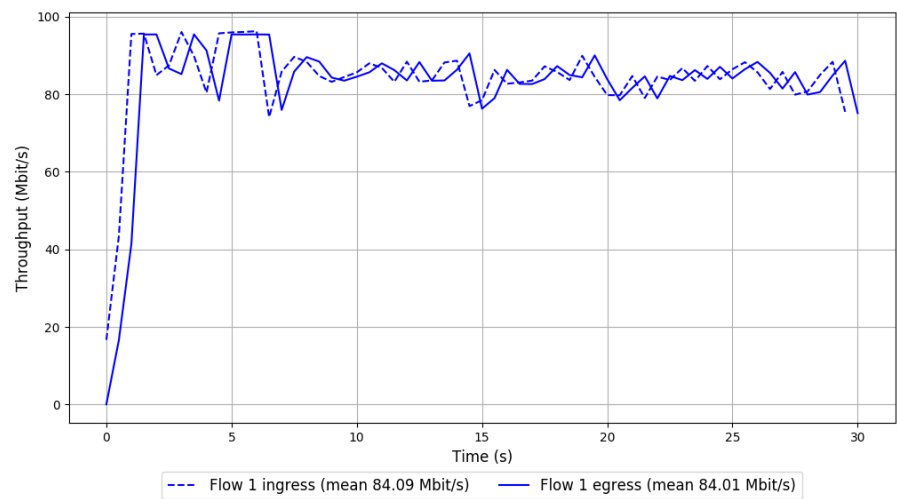


Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 21:04:12
End at: 2018-06-05 21:04:42
Local clock offset: -8.049 ms
Remote clock offset: -6.766 ms

Below is generated by plot.py at 2018-06-05 22:44:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 11.344 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 11.344 ms
Loss rate: 0.10%

Run 6: Report of PCC-Expr — Data Link

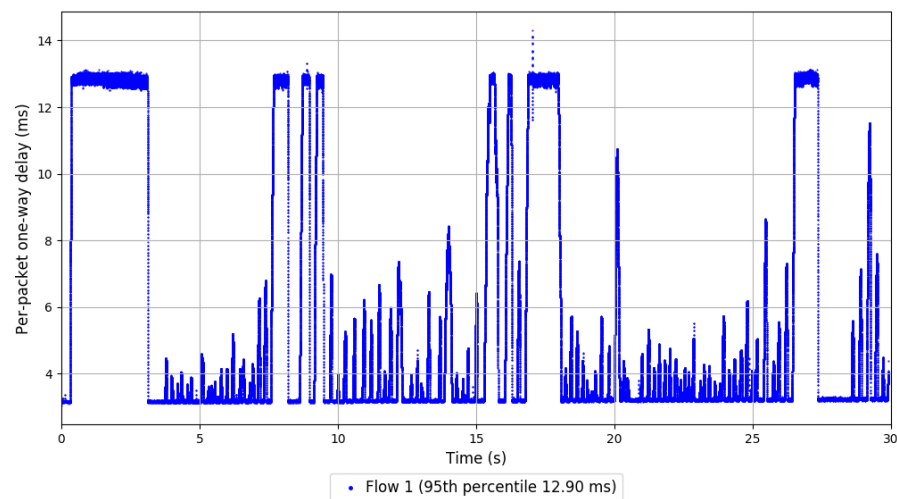
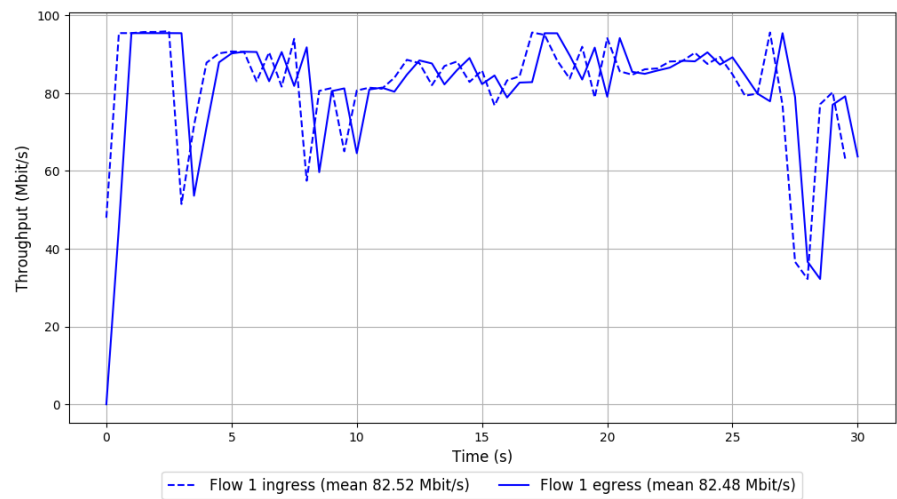


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 21:22:08
End at: 2018-06-05 21:22:38
Local clock offset: -5.97 ms
Remote clock offset: -1.775 ms

Below is generated by plot.py at 2018-06-05 22:44:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 12.905 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 12.905 ms
Loss rate: 0.06%

Run 7: Report of PCC-Expr — Data Link

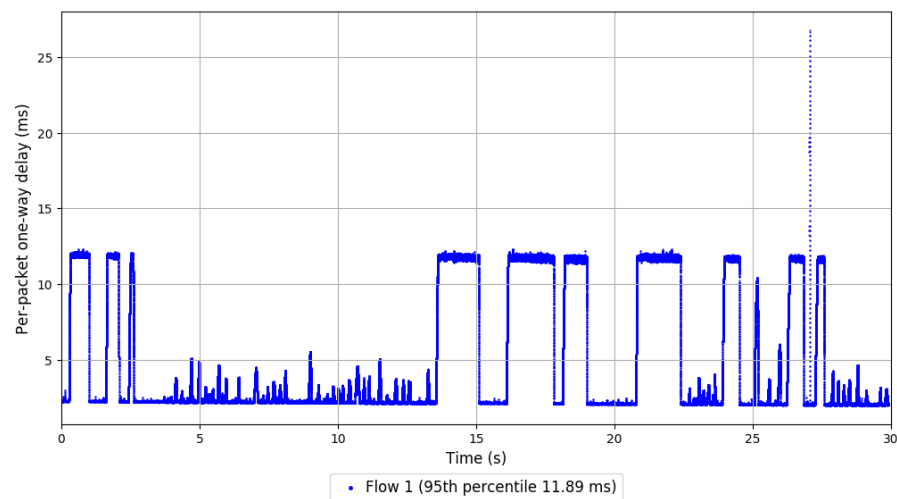
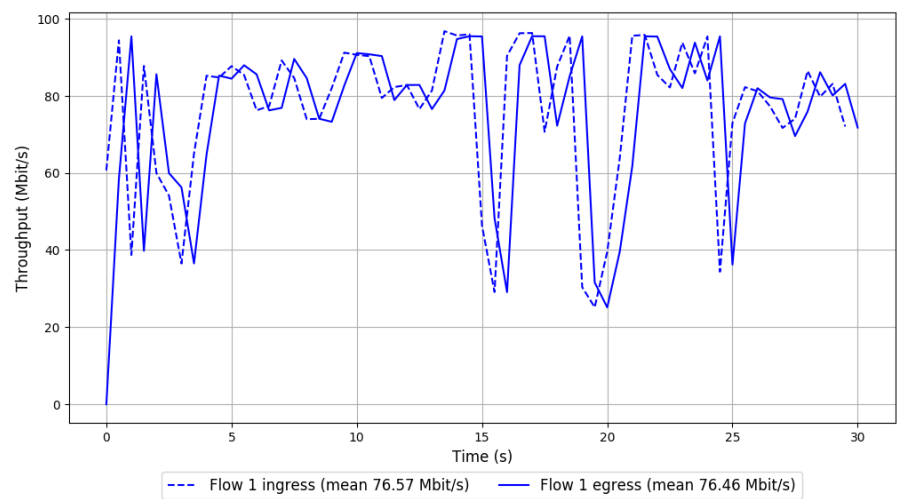


Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 21:40:00
End at: 2018-06-05 21:40:30
Local clock offset: -6.469 ms
Remote clock offset: -3.323 ms

Below is generated by plot.py at 2018-06-05 22:44:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 11.887 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 11.887 ms
Loss rate: 0.16%

Run 8: Report of PCC-Expr — Data Link

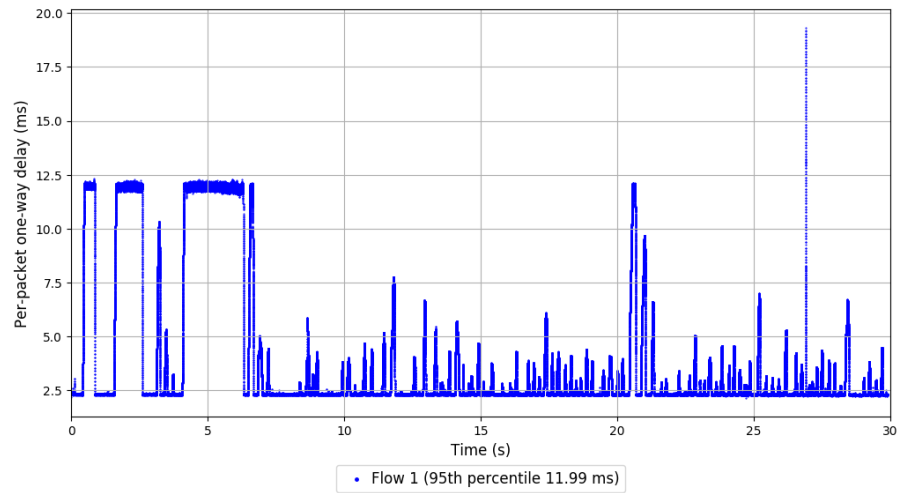
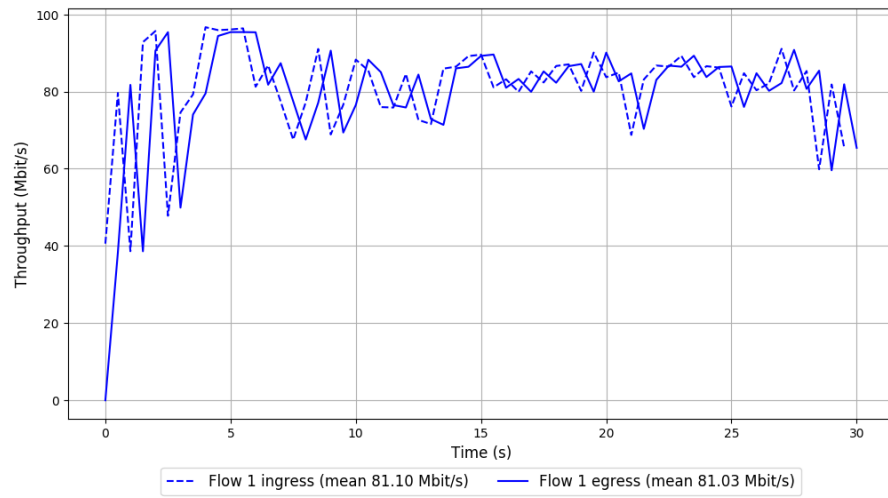


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 21:57:56
End at: 2018-06-05 21:58:26
Local clock offset: -6.102 ms
Remote clock offset: -6.596 ms

Below is generated by plot.py at 2018-06-05 22:46:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 11.992 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 11.992 ms
Loss rate: 0.09%

Run 9: Report of PCC-Expr — Data Link

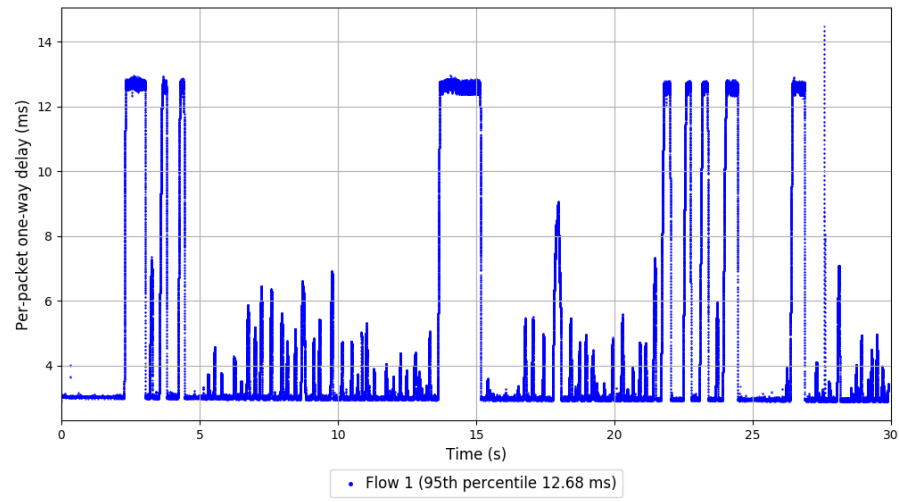
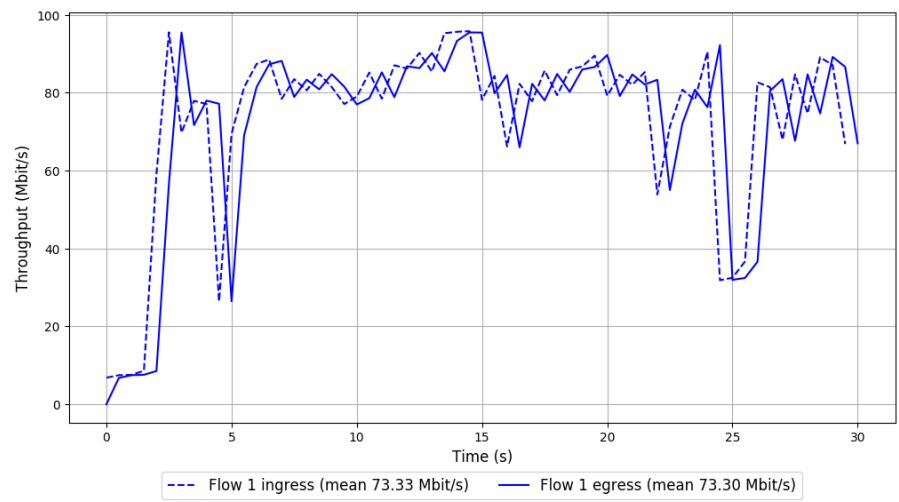


Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 22:15:51
End at: 2018-06-05 22:16:21
Local clock offset: -1.143 ms
Remote clock offset: -7.002 ms

Below is generated by plot.py at 2018-06-05 22:46:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 12.677 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 12.677 ms
Loss rate: 0.05%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 19:40:34

End at: 2018-06-05 19:41:04

Local clock offset: -2.031 ms

Remote clock offset: -2.062 ms

Below is generated by plot.py at 2018-06-05 22:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.51 Mbit/s

95th percentile per-packet one-way delay: 2.503 ms

Loss rate: 0.02%

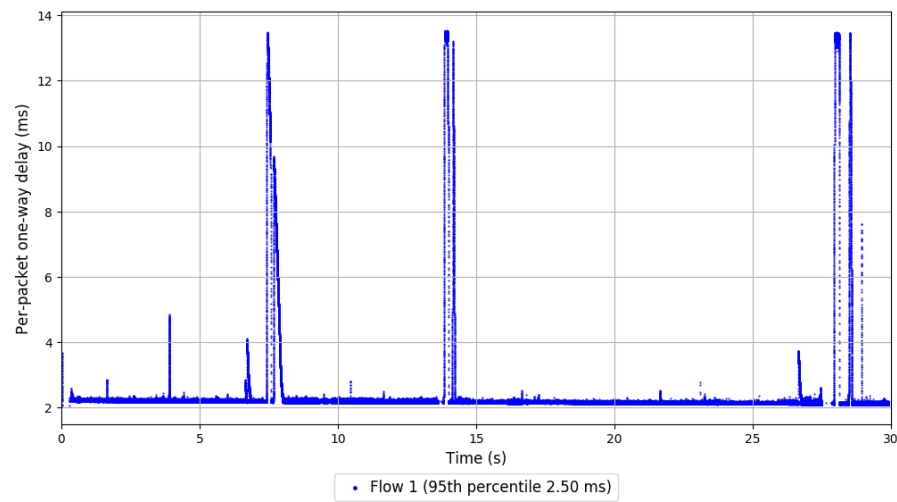
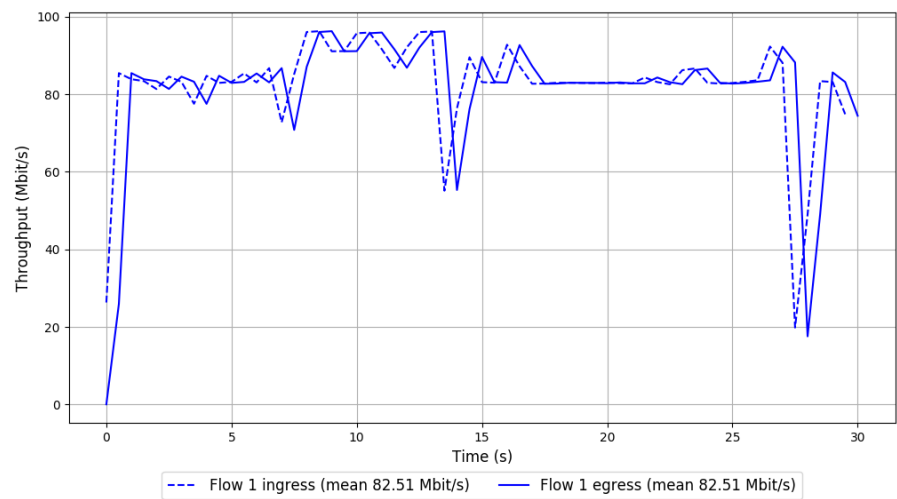
-- Flow 1:

Average throughput: 82.51 Mbit/s

95th percentile per-packet one-way delay: 2.503 ms

Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 19:58:25

End at: 2018-06-05 19:58:55

Local clock offset: 1.64 ms

Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-06-05 22:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 11.717 ms

Loss rate: 0.05%

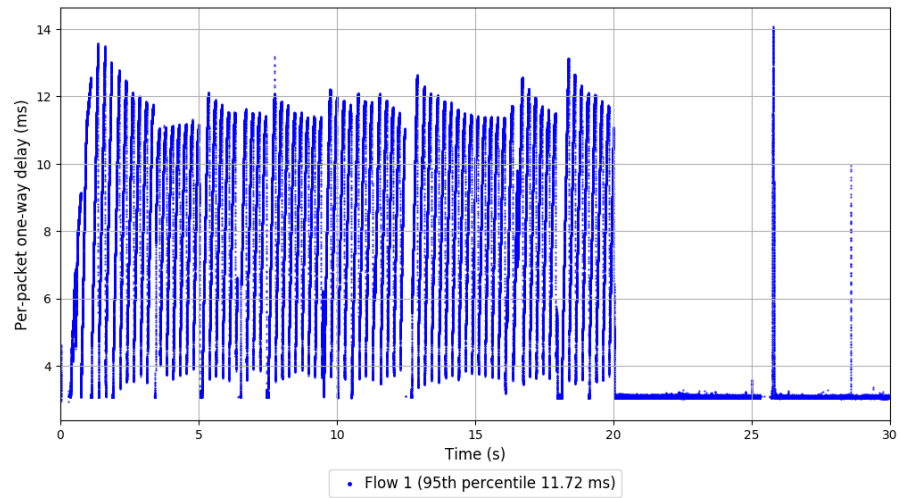
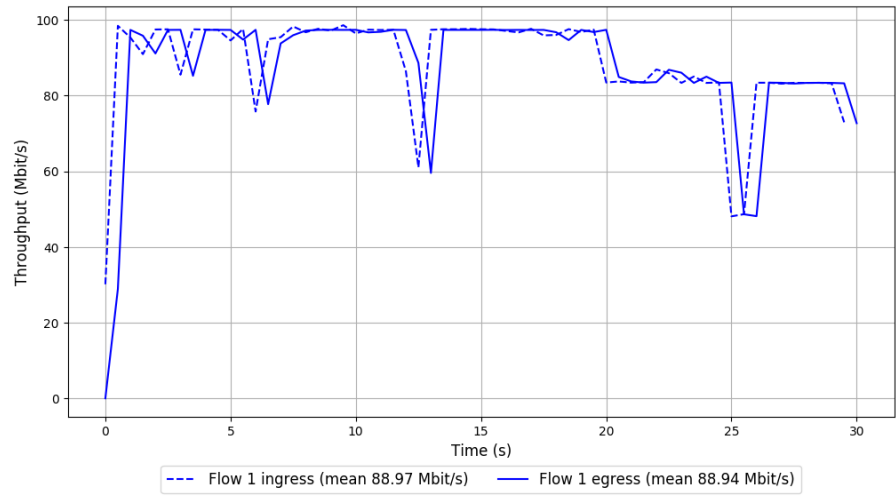
-- Flow 1:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 11.717 ms

Loss rate: 0.05%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 20:16:15

End at: 2018-06-05 20:16:45

Local clock offset: 3.083 ms

Remote clock offset: -1.364 ms

Below is generated by plot.py at 2018-06-05 22:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 15.023 ms

Loss rate: 0.07%

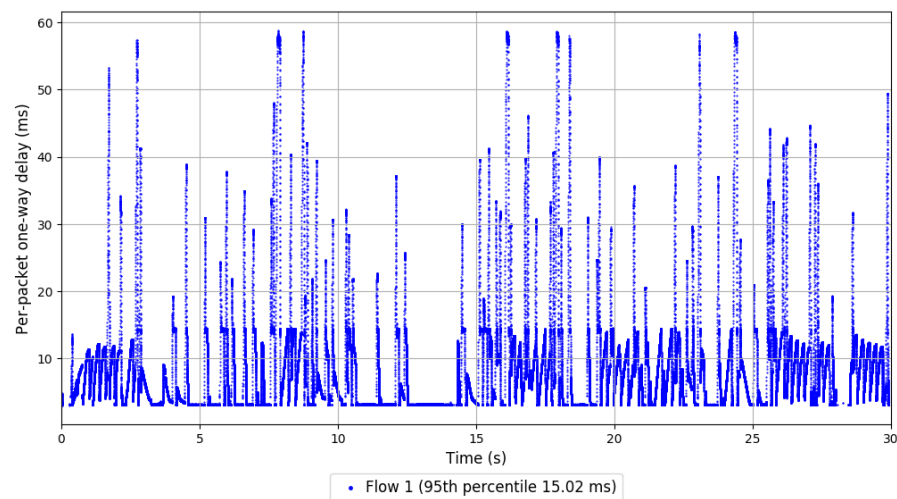
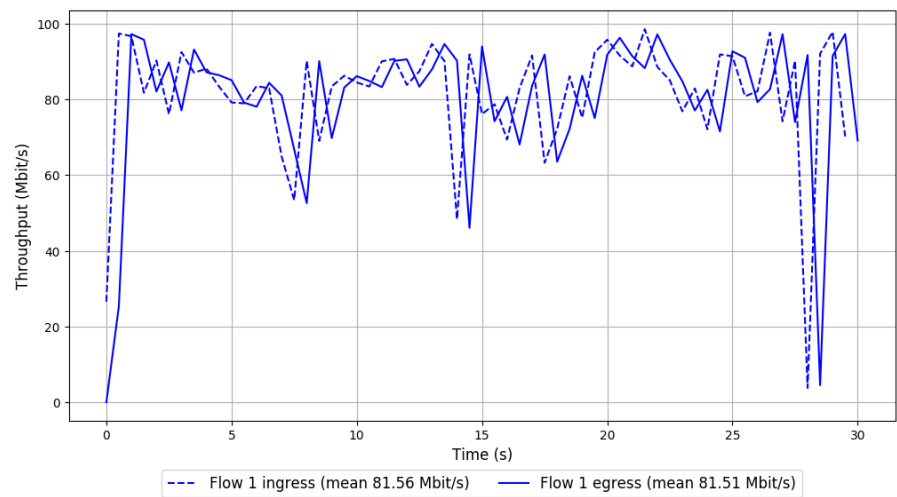
-- Flow 1:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 15.023 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 20:34:03

End at: 2018-06-05 20:34:33

Local clock offset: 3.608 ms

Remote clock offset: -4.97 ms

Below is generated by plot.py at 2018-06-05 22:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 13.762 ms

Loss rate: 0.07%

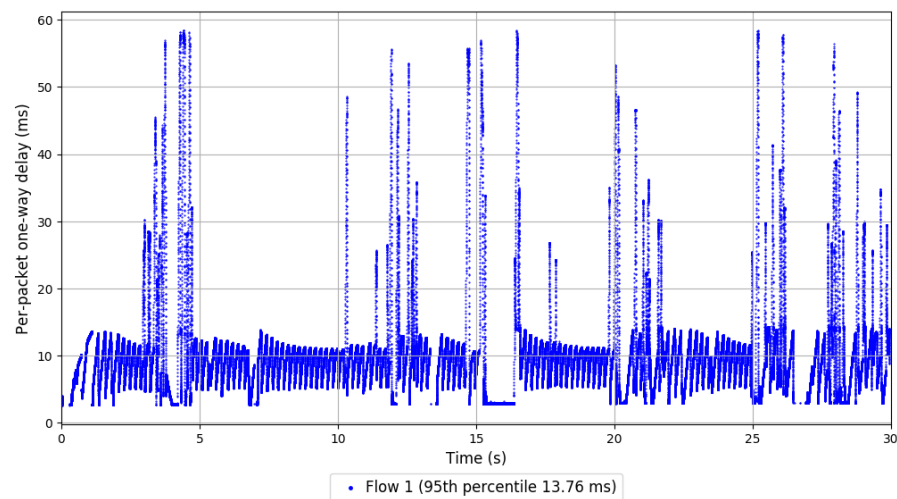
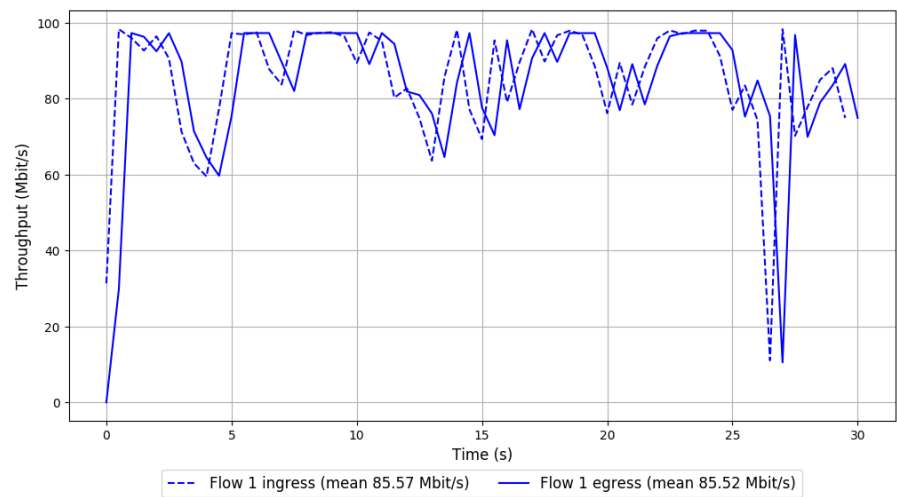
-- Flow 1:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 13.762 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link

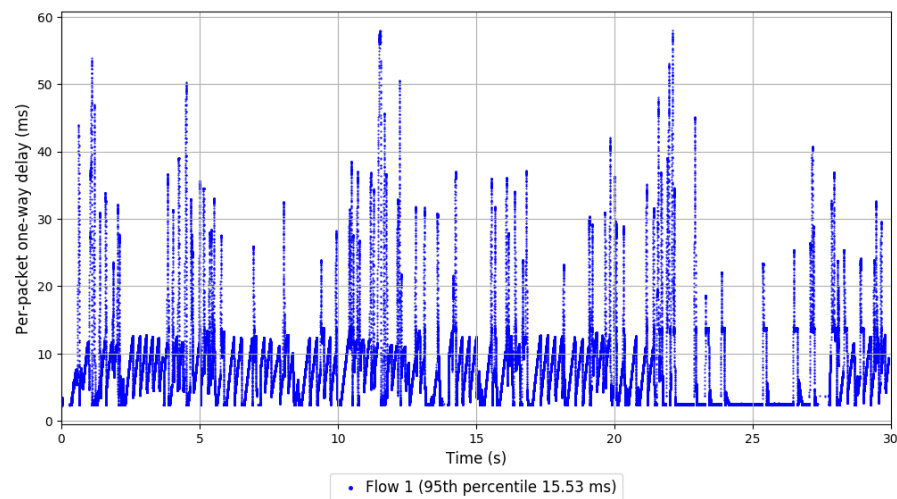
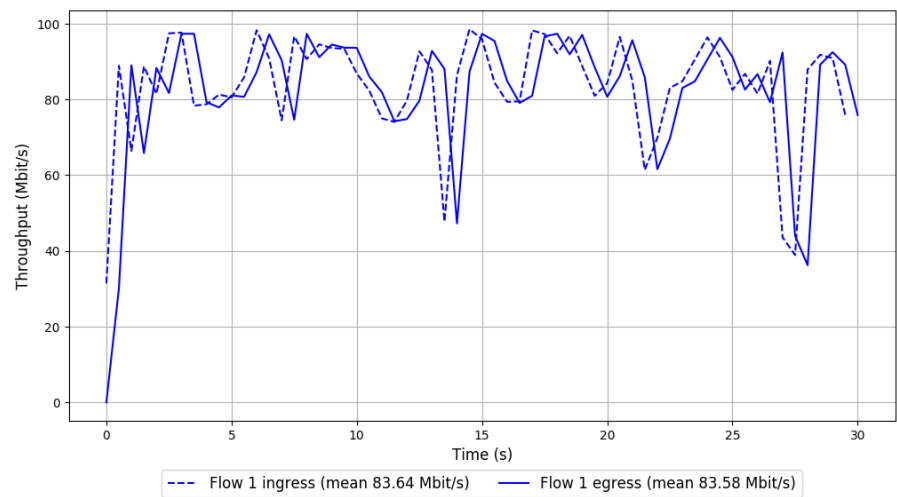


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 20:51:51
End at: 2018-06-05 20:52:21
Local clock offset: -5.368 ms
Remote clock offset: -8.237 ms

Below is generated by plot.py at 2018-06-05 22:46:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 15.525 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 15.525 ms
Loss rate: 0.08%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 21:09:47

End at: 2018-06-05 21:10:17

Local clock offset: -5.932 ms

Remote clock offset: -4.351 ms

Below is generated by plot.py at 2018-06-05 22:46:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 11.913 ms

Loss rate: 0.04%

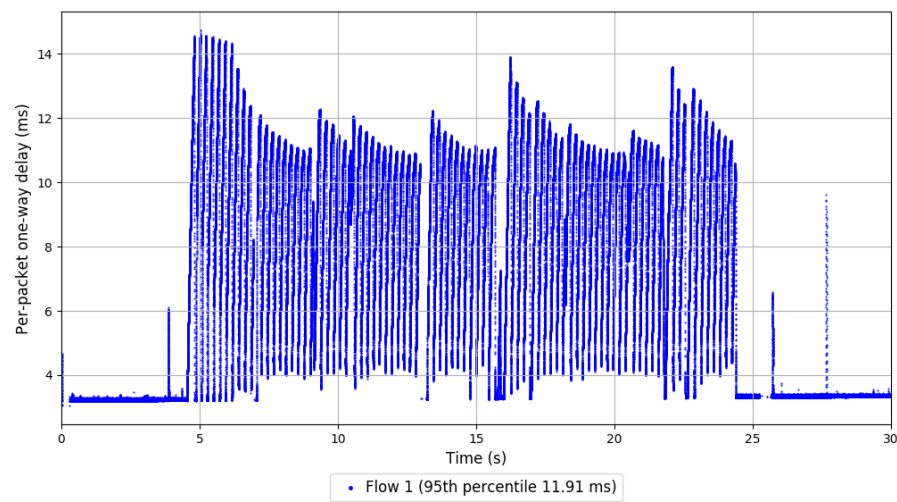
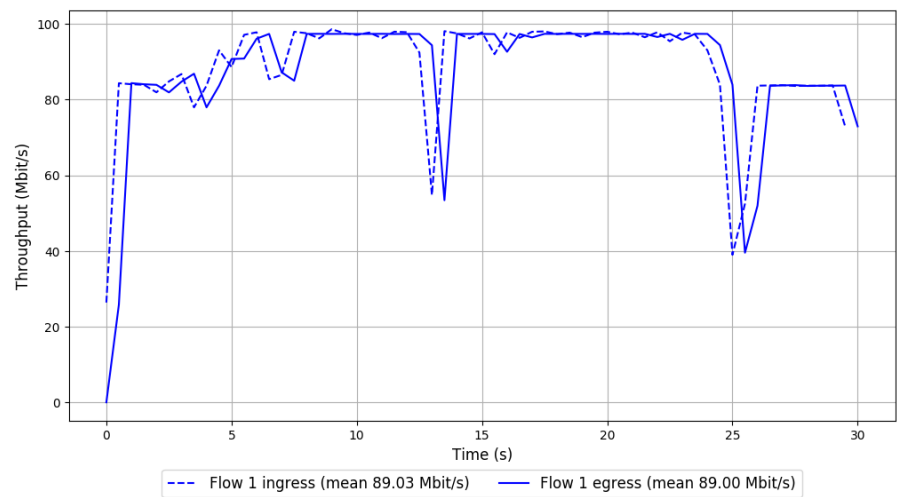
-- Flow 1:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 11.913 ms

Loss rate: 0.04%

Run 6: Report of QUIC Cubic — Data Link

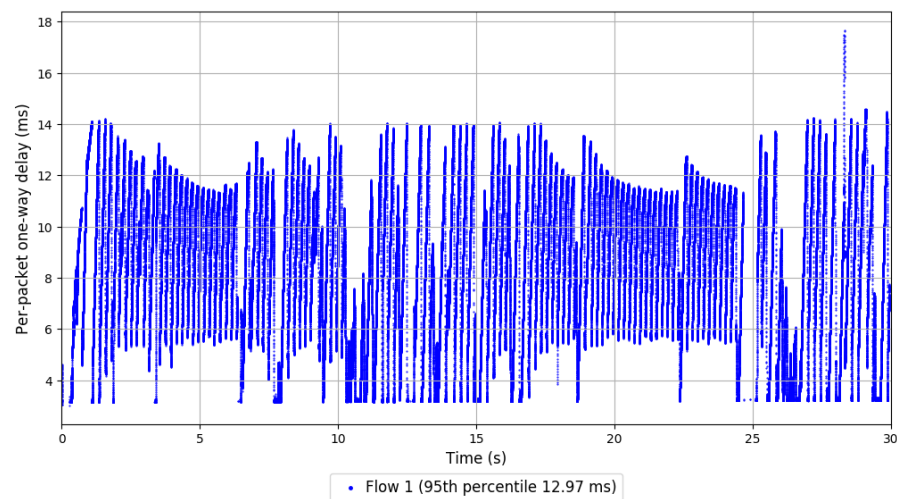
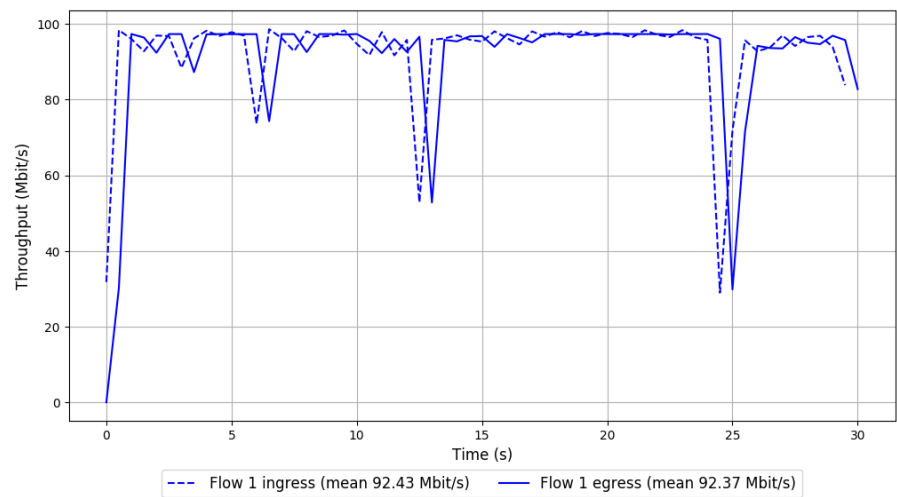


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 21:27:39
End at: 2018-06-05 21:28:09
Local clock offset: -6.202 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2018-06-05 22:46:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 12.974 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 12.974 ms
Loss rate: 0.07%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 21:45:34

End at: 2018-06-05 21:46:04

Local clock offset: -5.367 ms

Remote clock offset: -5.024 ms

Below is generated by plot.py at 2018-06-05 22:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 12.170 ms

Loss rate: 0.08%

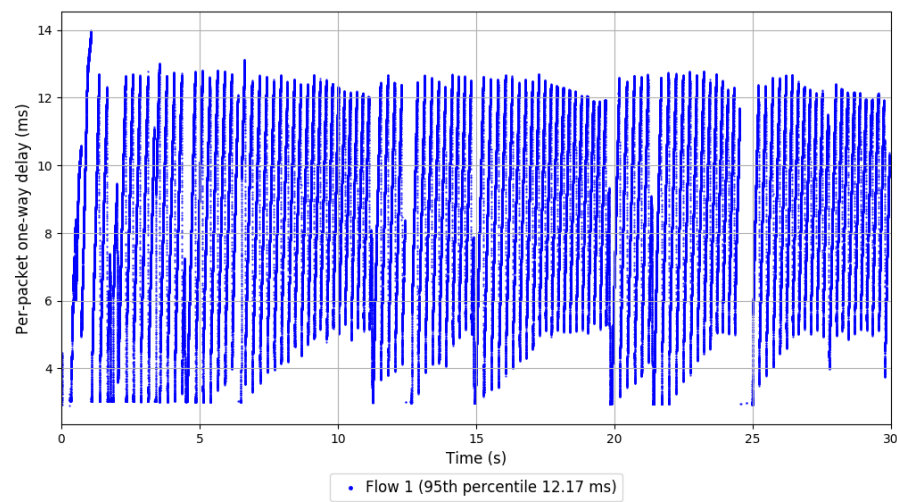
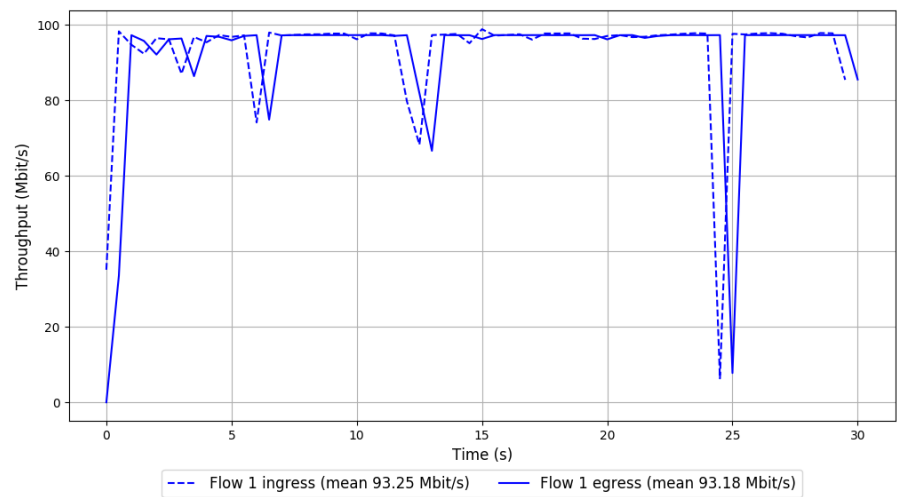
-- Flow 1:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 12.170 ms

Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 22:03:30

End at: 2018-06-05 22:04:00

Local clock offset: -5.439 ms

Remote clock offset: -6.983 ms

Below is generated by plot.py at 2018-06-05 22:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.48 Mbit/s

95th percentile per-packet one-way delay: 11.921 ms

Loss rate: 0.02%

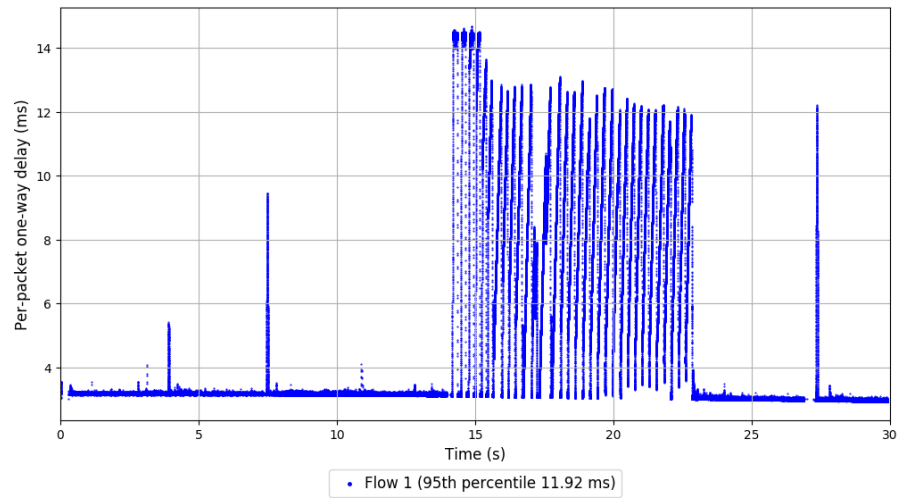
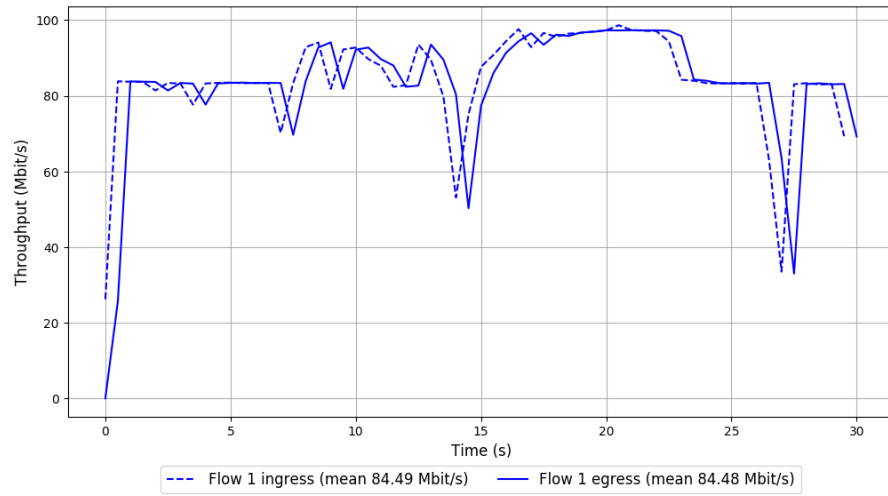
-- Flow 1:

Average throughput: 84.48 Mbit/s

95th percentile per-packet one-way delay: 11.921 ms

Loss rate: 0.02%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 22:21:23

End at: 2018-06-05 22:21:53

Local clock offset: -0.323 ms

Remote clock offset: -6.968 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 12.593 ms

Loss rate: 0.09%

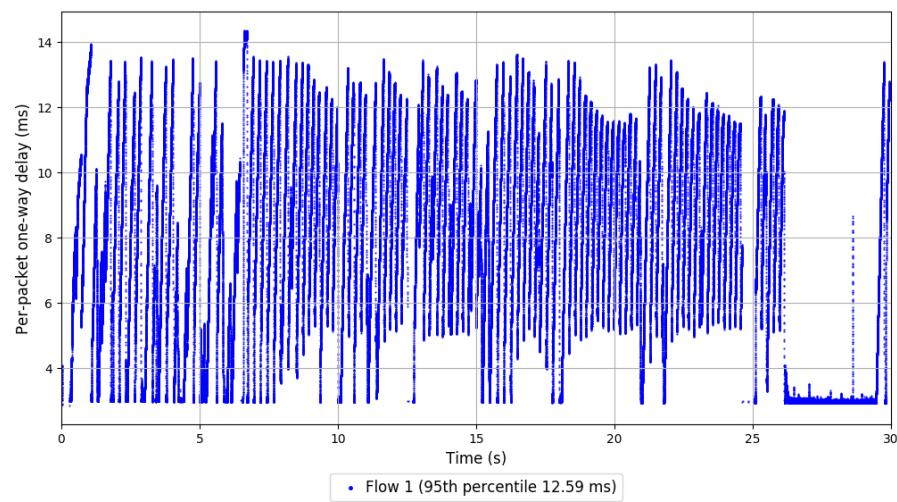
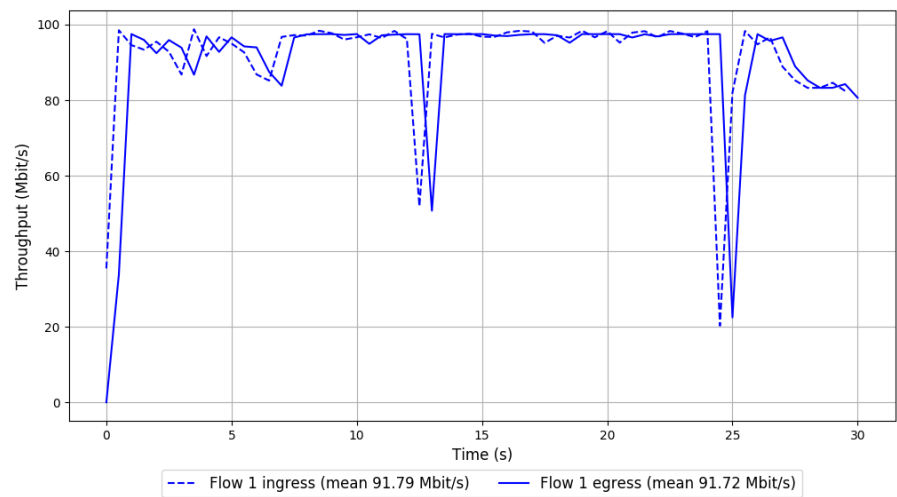
-- Flow 1:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 12.593 ms

Loss rate: 0.09%

Run 10: Report of QUIC Cubic — Data Link

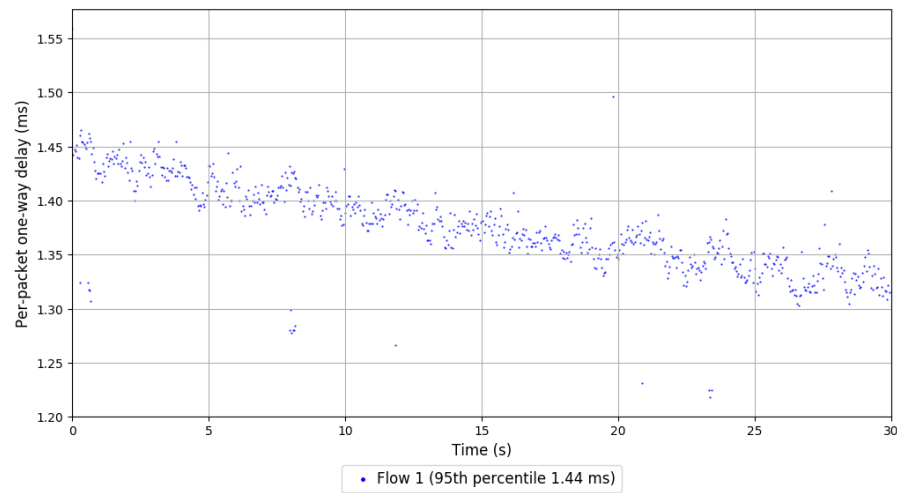
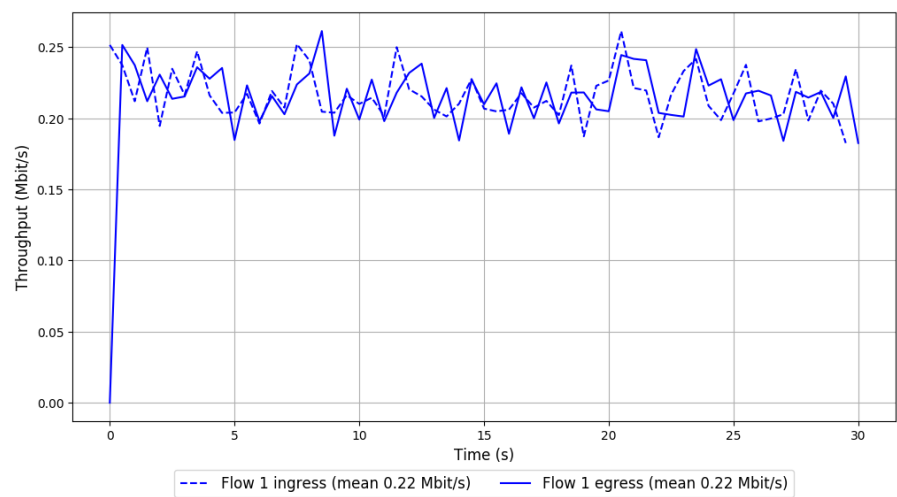


Run 1: Statistics of SCReAM

Start at: 2018-06-05 19:38:25
End at: 2018-06-05 19:38:55
Local clock offset: -3.499 ms
Remote clock offset: -2.307 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.440 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

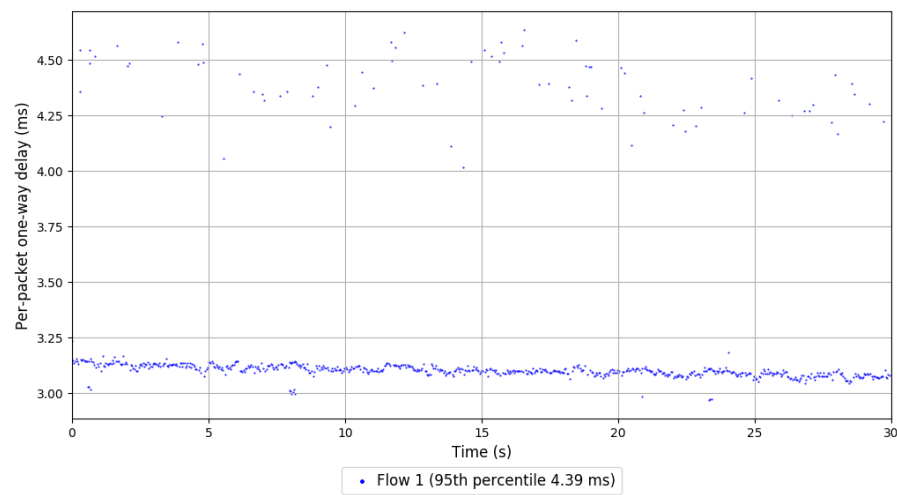
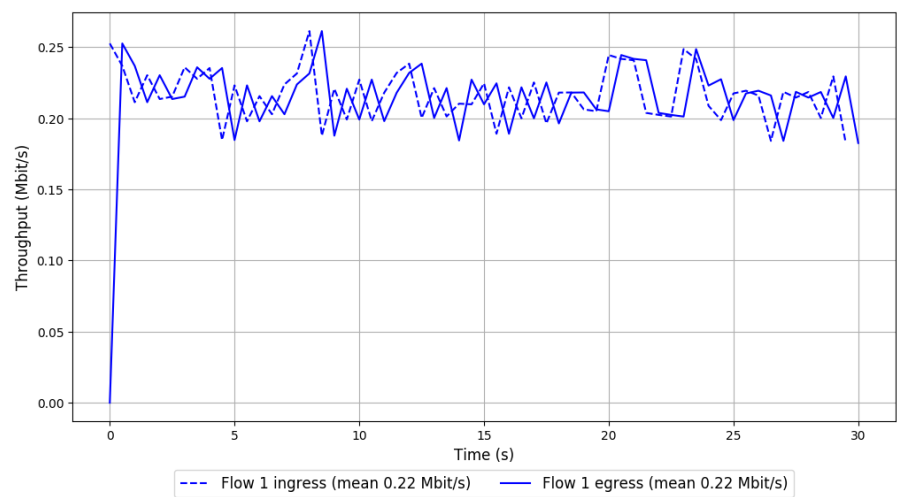


Run 2: Statistics of SCReAM

Start at: 2018-06-05 19:56:16
End at: 2018-06-05 19:56:46
Local clock offset: 1.42 ms
Remote clock offset: -1.543 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.388 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-05 20:14:06

End at: 2018-06-05 20:14:36

Local clock offset: 2.938 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 4.273 ms

Loss rate: 0.00%

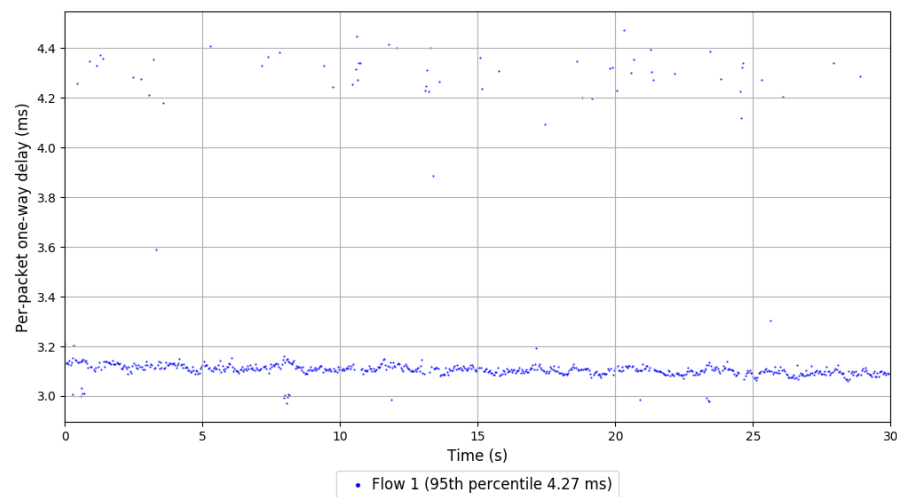
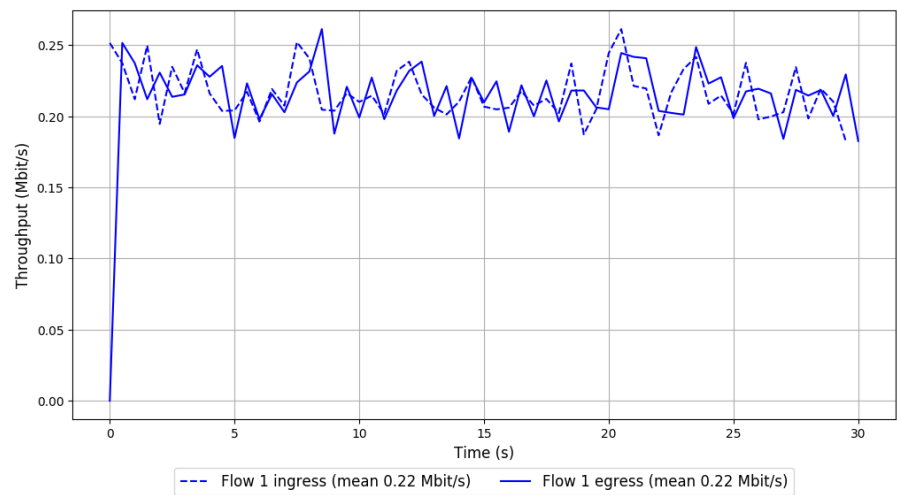
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 4.273 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

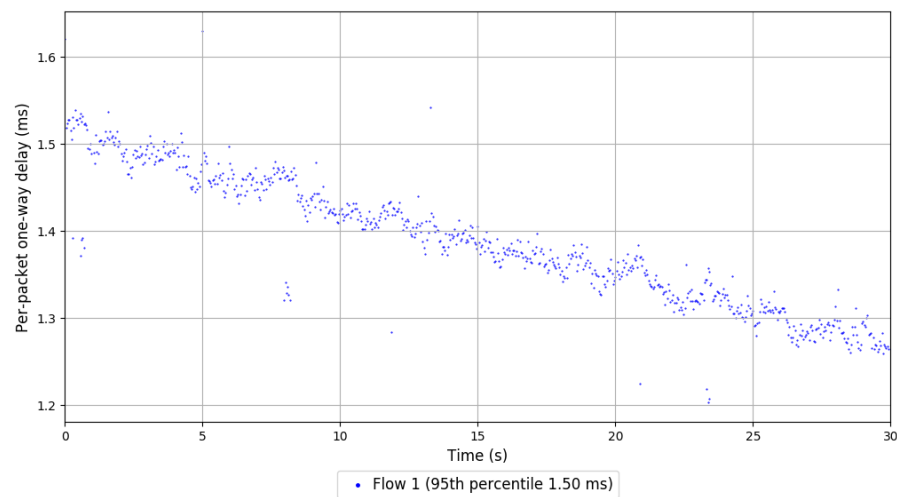
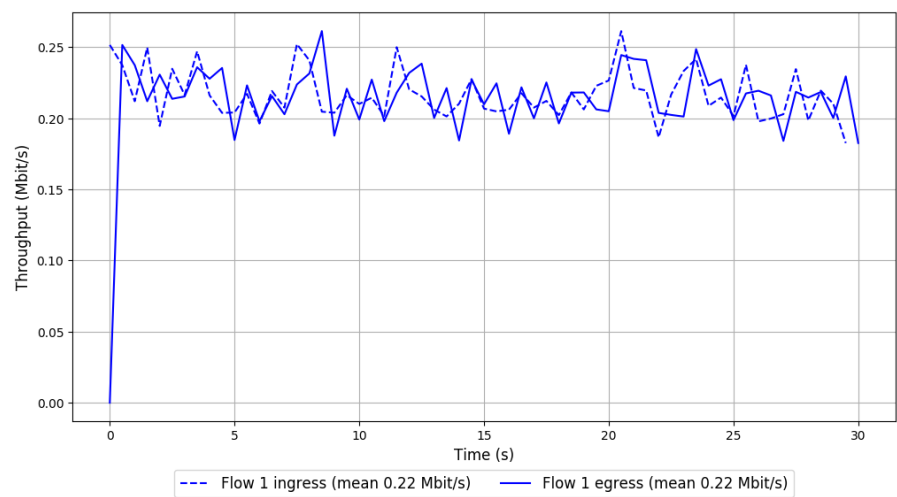


Run 4: Statistics of SCReAM

Start at: 2018-06-05 20:31:54
End at: 2018-06-05 20:32:24
Local clock offset: 2.68 ms
Remote clock offset: -4.137 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.503 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

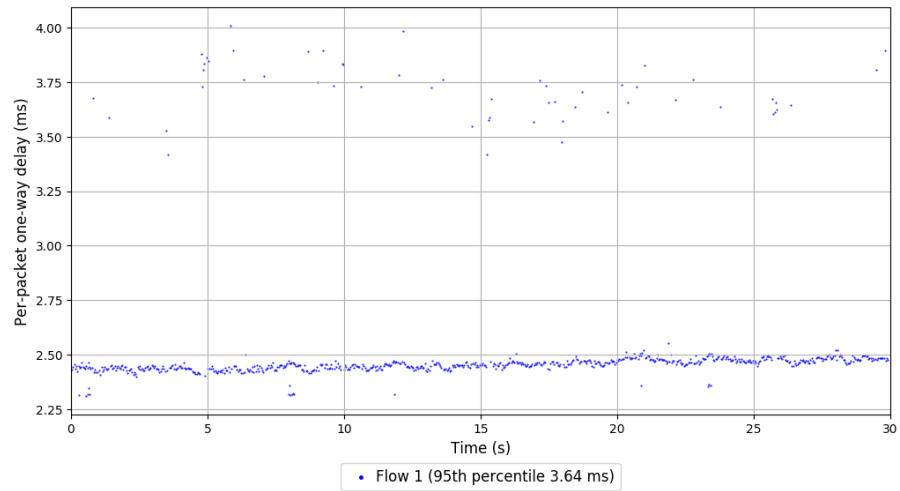
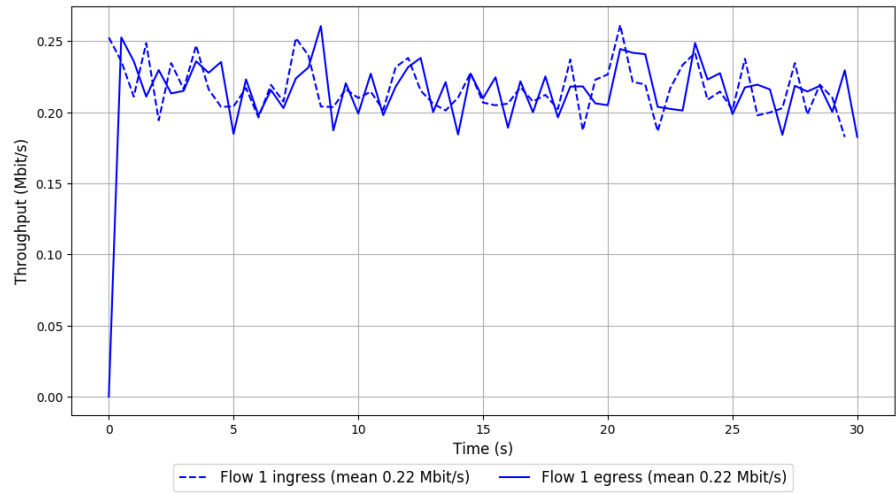


Run 5: Statistics of SCReAM

Start at: 2018-06-05 20:49:42
End at: 2018-06-05 20:50:12
Local clock offset: -4.885 ms
Remote clock offset: -8.043 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.644 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

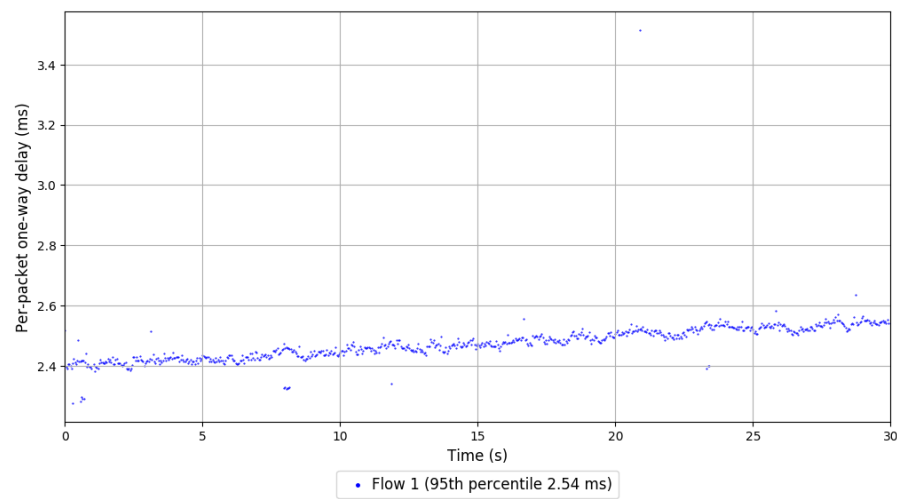
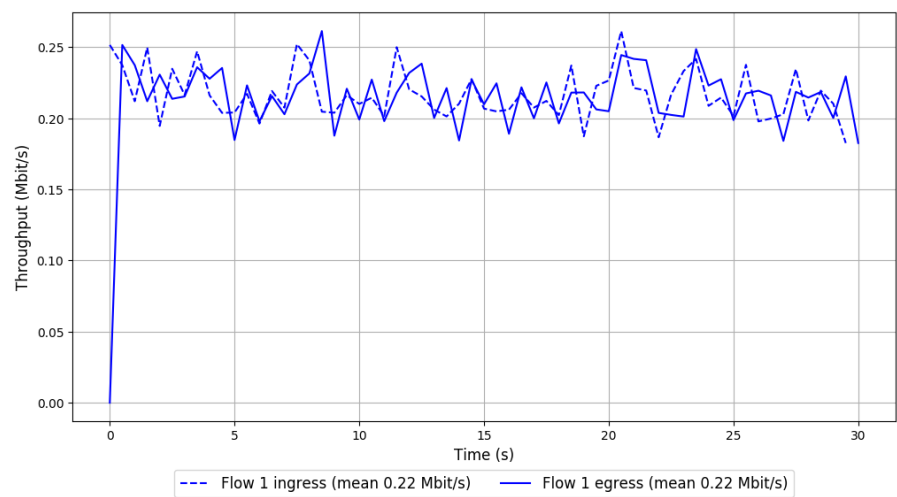


Run 6: Statistics of SCReAM

Start at: 2018-06-05 21:07:38
End at: 2018-06-05 21:08:08
Local clock offset: -6.836 ms
Remote clock offset: -5.123 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

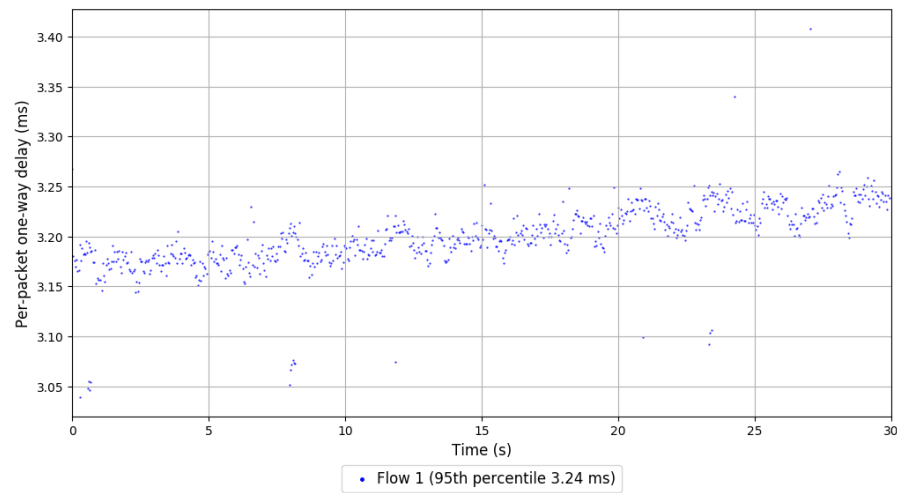
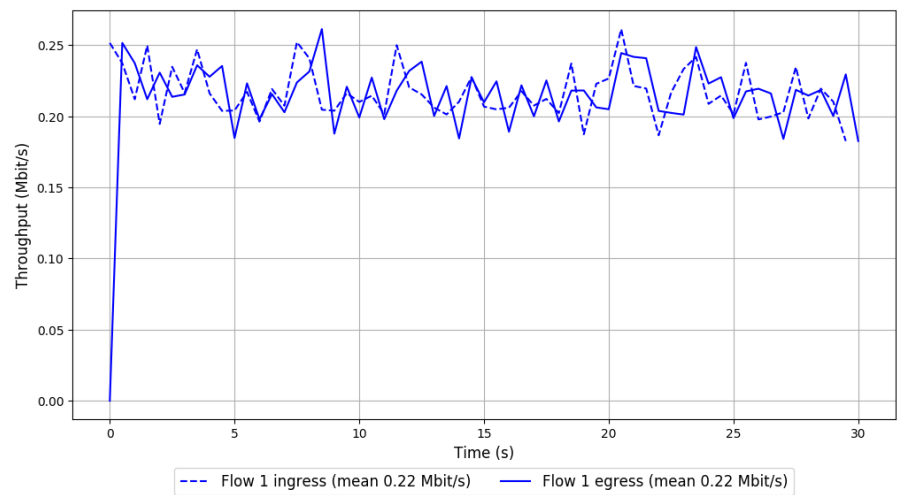


Run 7: Statistics of SCReAM

Start at: 2018-06-05 21:25:30
End at: 2018-06-05 21:26:00
Local clock offset: -6.102 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.242 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

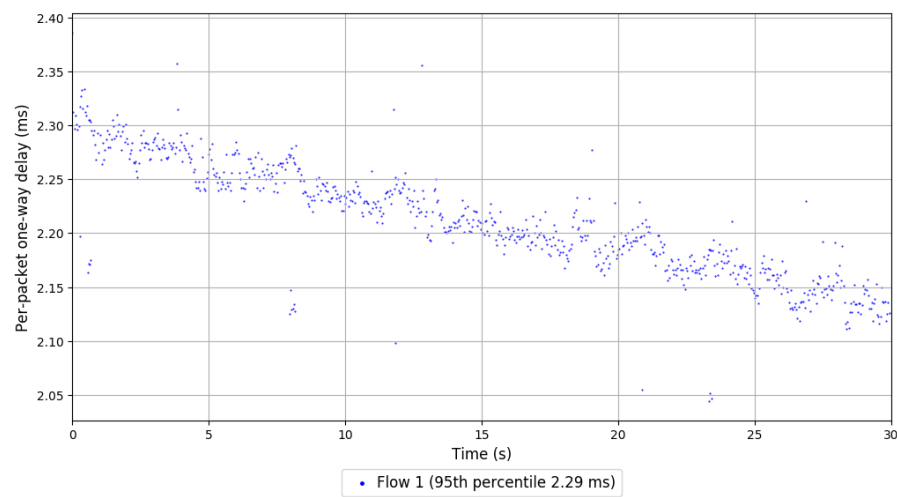
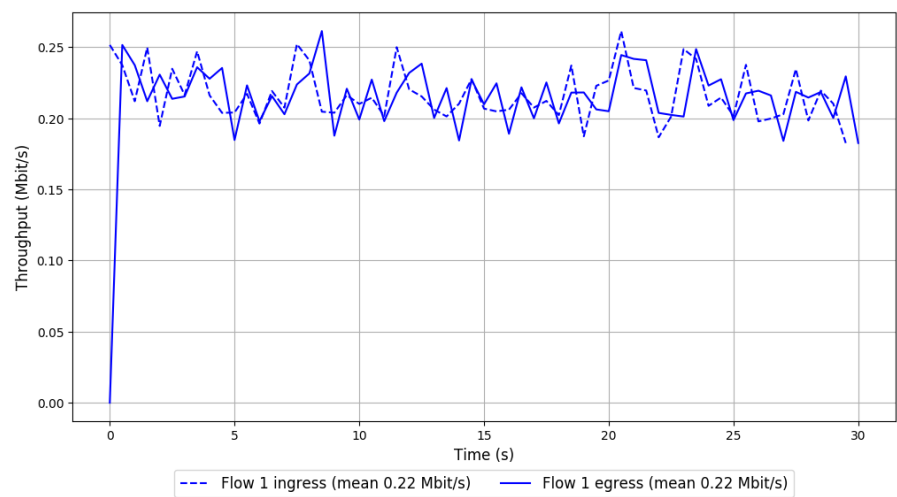


Run 8: Statistics of SReAM

Start at: 2018-06-05 21:43:25
End at: 2018-06-05 21:43:55
Local clock offset: -6.286 ms
Remote clock offset: -4.566 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

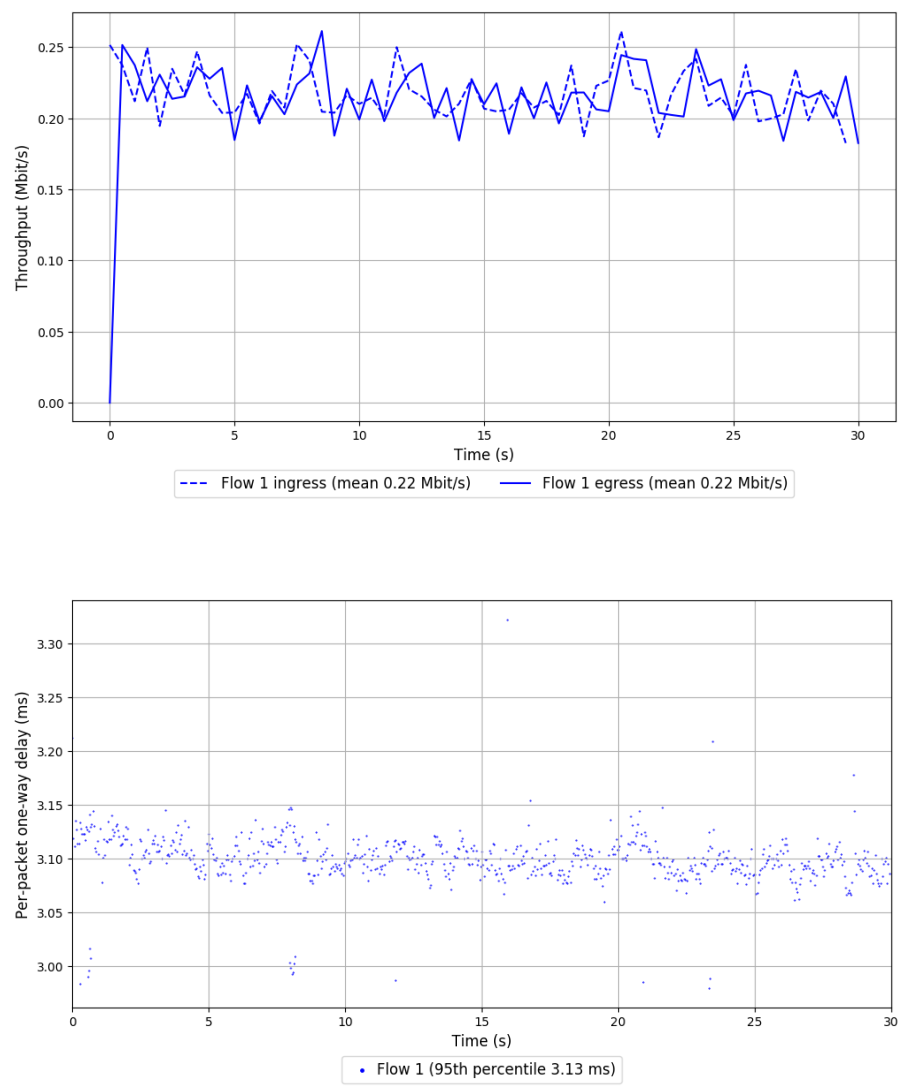


Run 9: Statistics of SCReAM

Start at: 2018-06-05 22:01:21
End at: 2018-06-05 22:01:51
Local clock offset: -5.382 ms
Remote clock offset: -6.818 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-05 22:19:13

End at: 2018-06-05 22:19:43

Local clock offset: -1.331 ms

Remote clock offset: -7.02 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.321 ms

Loss rate: 0.00%

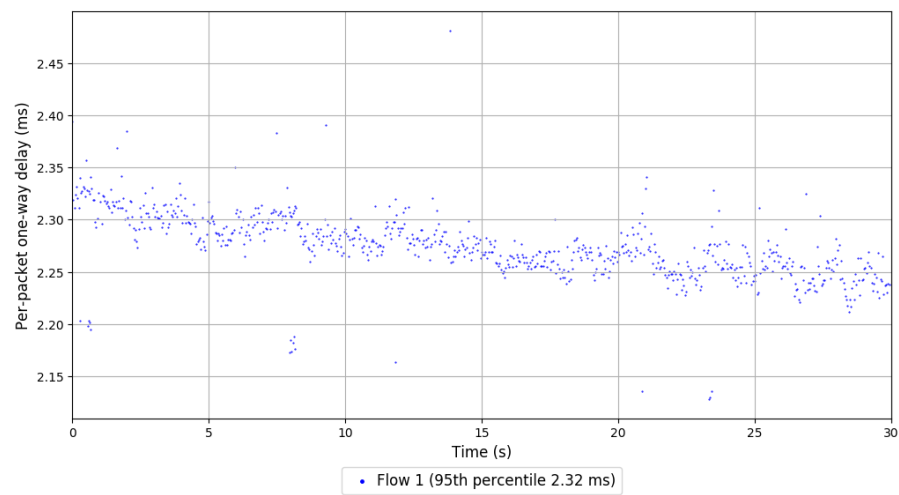
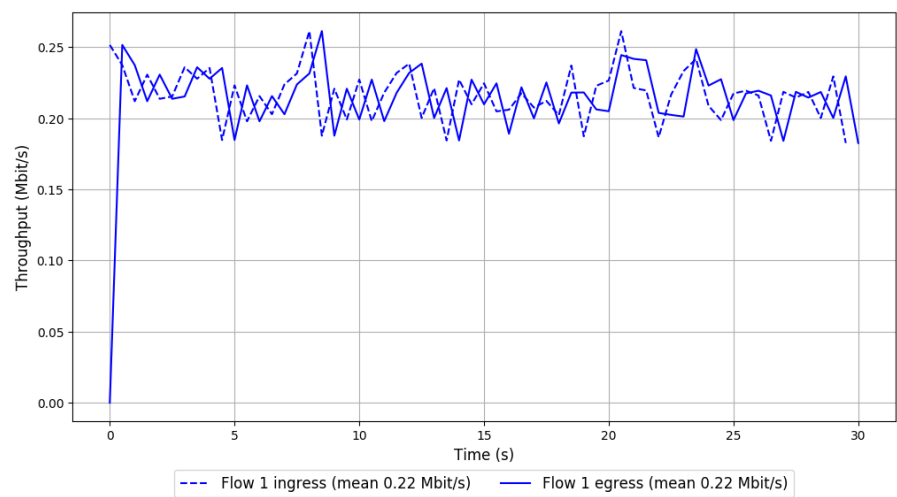
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.321 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-05 19:39:28

End at: 2018-06-05 19:39:58

Local clock offset: -1.511 ms

Remote clock offset: -2.18 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 9.935 ms

Loss rate: 0.00%

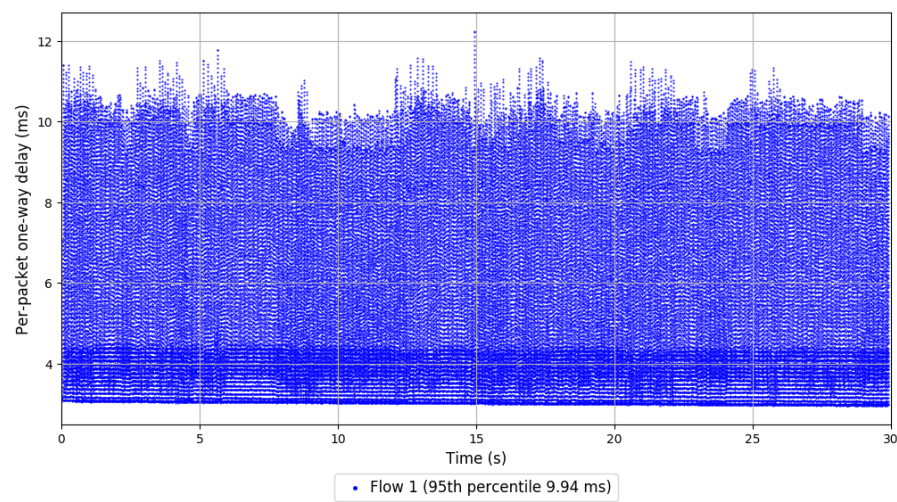
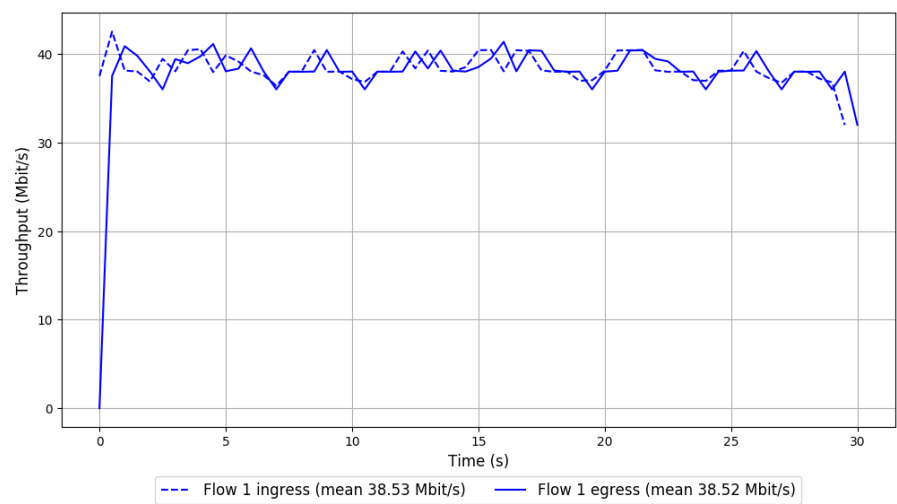
-- Flow 1:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 9.935 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

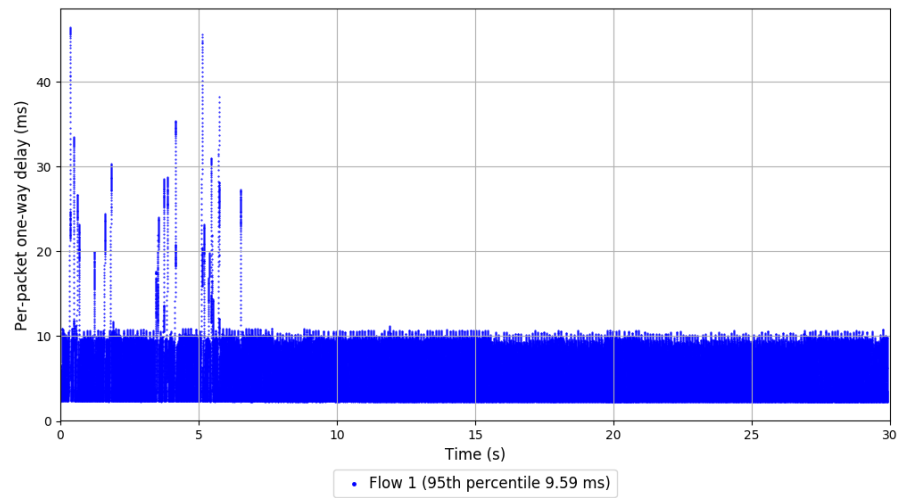
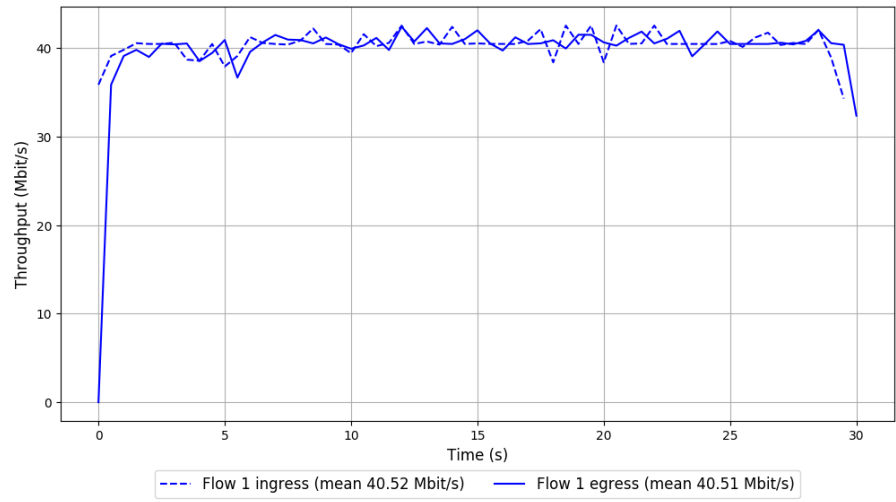


Run 2: Statistics of Sprout

Start at: 2018-06-05 19:57:19
End at: 2018-06-05 19:57:50
Local clock offset: 0.752 ms
Remote clock offset: -1.524 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 9.593 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 9.593 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link

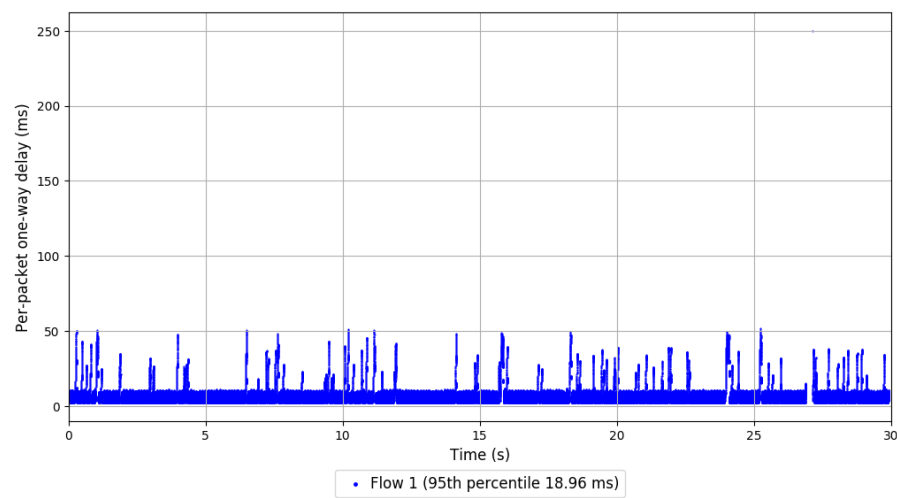
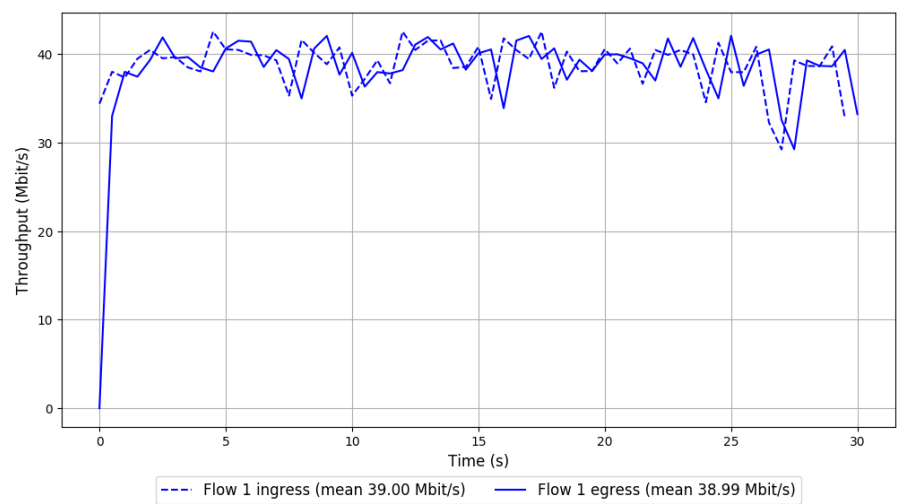


Run 3: Statistics of Sprout

Start at: 2018-06-05 20:15:09
End at: 2018-06-05 20:15:39
Local clock offset: 2.233 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

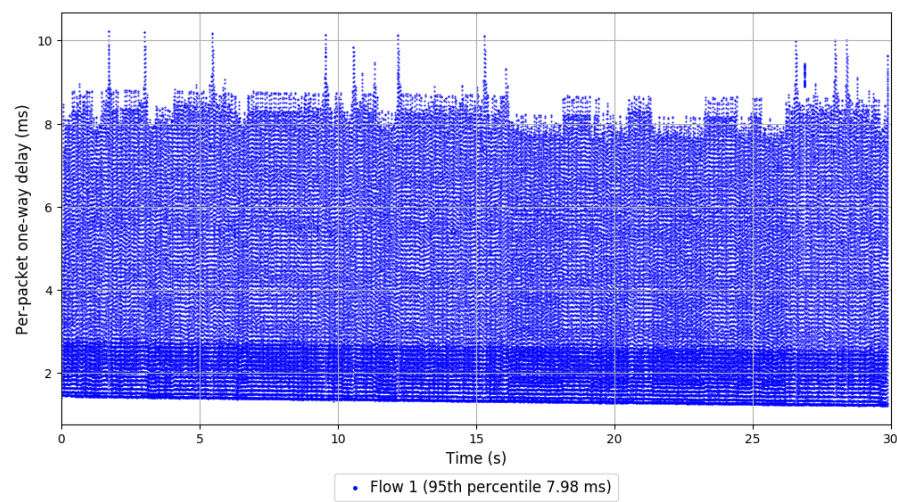
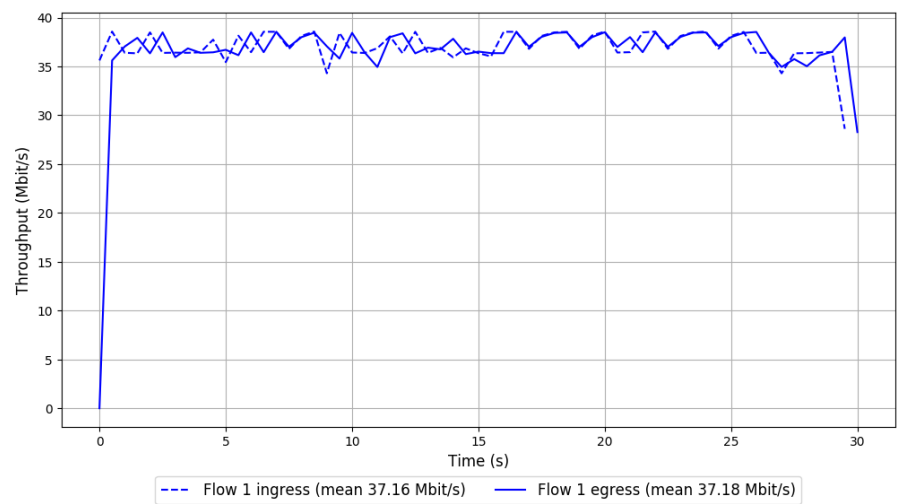


Run 4: Statistics of Sprout

Start at: 2018-06-05 20:32:57
End at: 2018-06-05 20:33:27
Local clock offset: 2.702 ms
Remote clock offset: -4.547 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 7.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 7.982 ms
Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

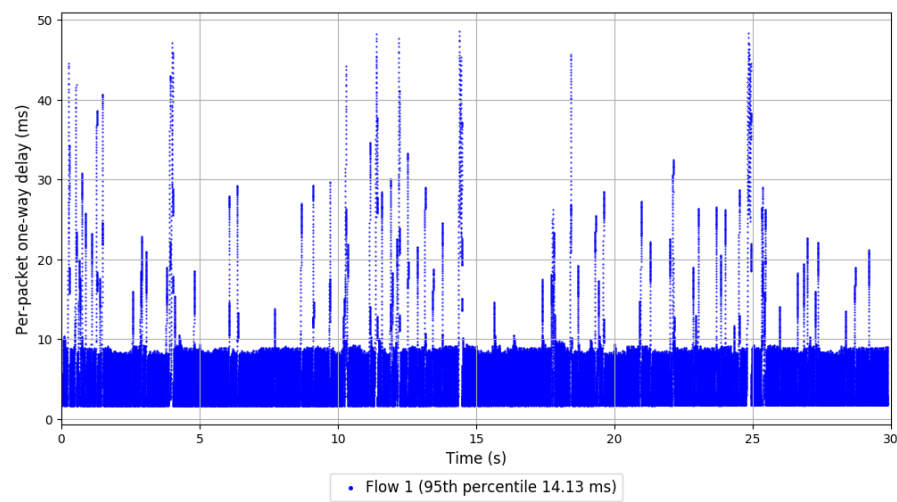
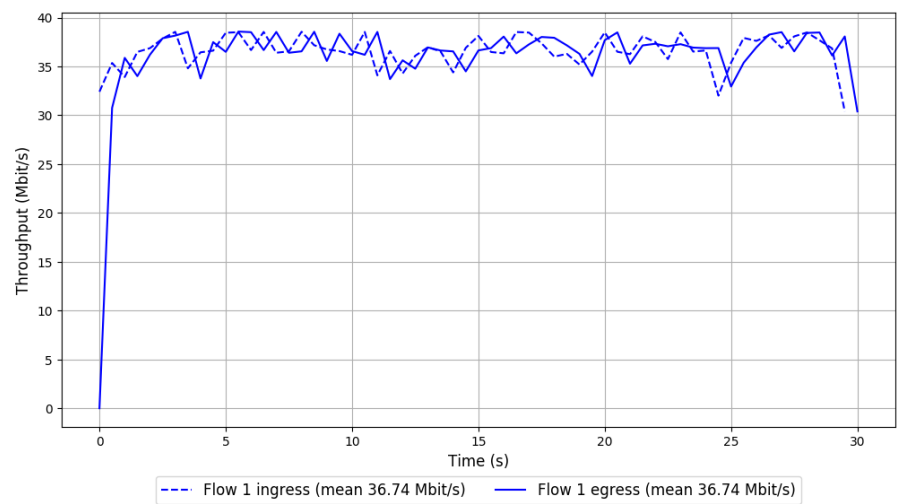


Run 5: Statistics of Sprout

Start at: 2018-06-05 20:50:46
End at: 2018-06-05 20:51:16
Local clock offset: -5.852 ms
Remote clock offset: -8.112 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 14.127 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 14.127 ms
Loss rate: 0.02%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-05 21:08:41

End at: 2018-06-05 21:09:11

Local clock offset: -6.82 ms

Remote clock offset: -4.74 ms

Below is generated by plot.py at 2018-06-05 22:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.14 Mbit/s

95th percentile per-packet one-way delay: 9.617 ms

Loss rate: 0.00%

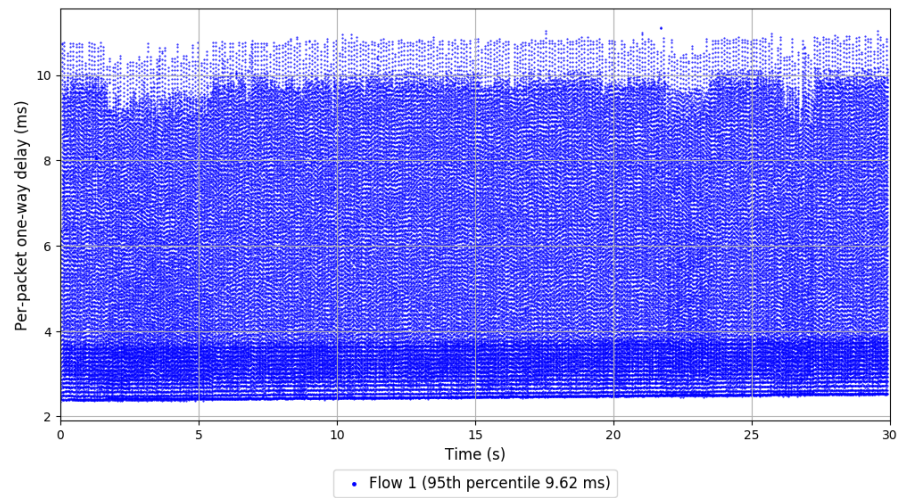
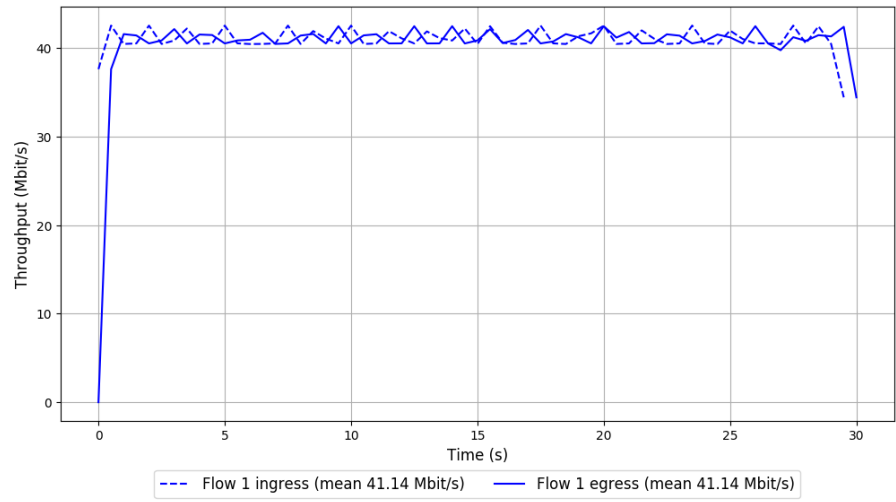
-- Flow 1:

Average throughput: 41.14 Mbit/s

95th percentile per-packet one-way delay: 9.617 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

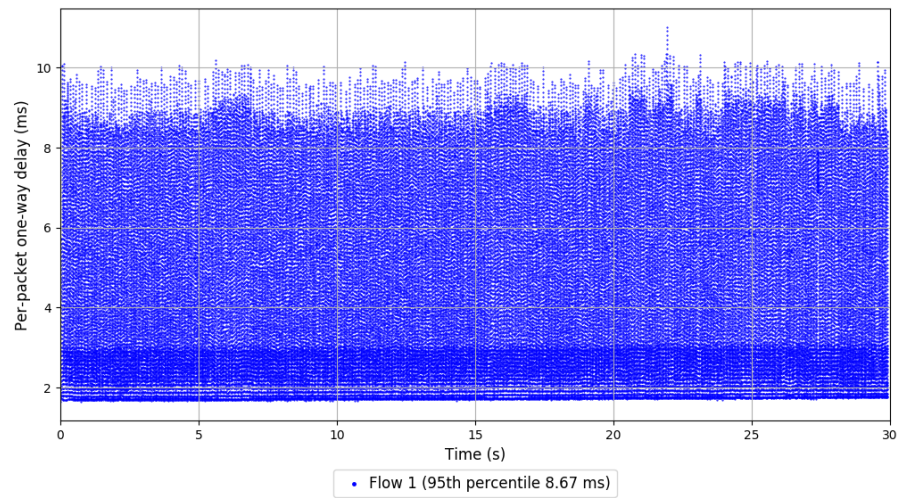
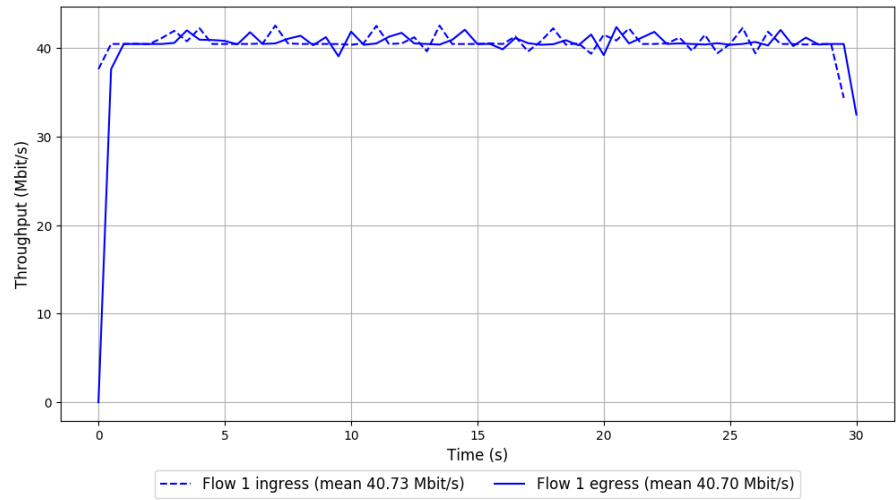


Run 7: Statistics of Sprout

Start at: 2018-06-05 21:26:33
End at: 2018-06-05 21:27:03
Local clock offset: -7.69 ms
Remote clock offset: -1.314 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 8.671 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 8.671 ms
Loss rate: 0.08%

Run 7: Report of Sprout — Data Link

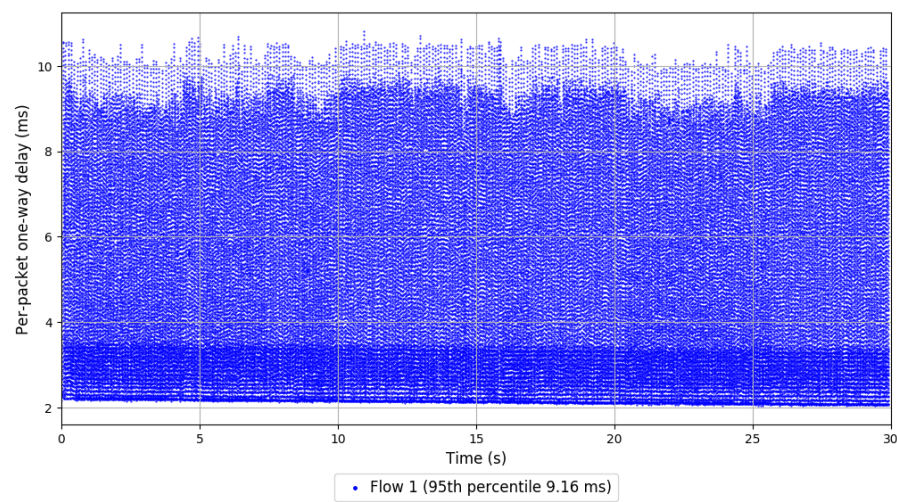
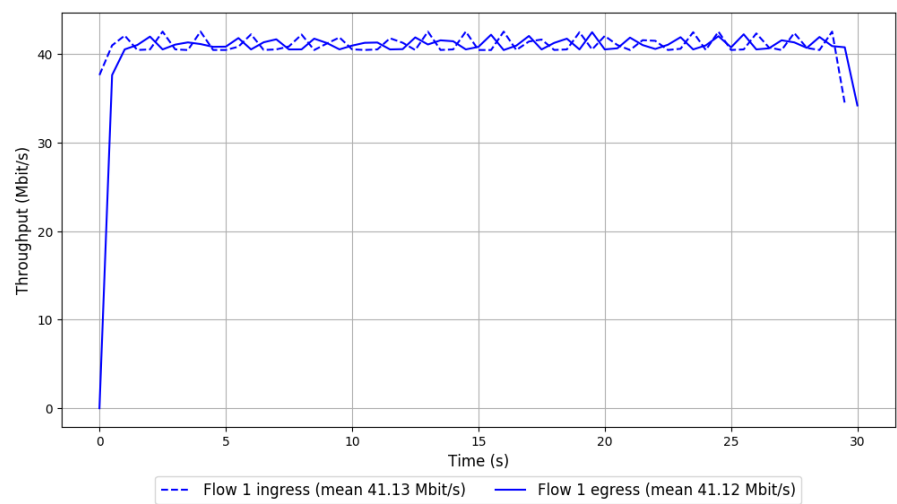


Run 8: Statistics of Sprout

Start at: 2018-06-05 21:44:28
End at: 2018-06-05 21:44:58
Local clock offset: -6.241 ms
Remote clock offset: -4.754 ms

Below is generated by plot.py at 2018-06-05 22:47:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 9.163 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 9.163 ms
Loss rate: 0.08%

Run 8: Report of Sprout — Data Link

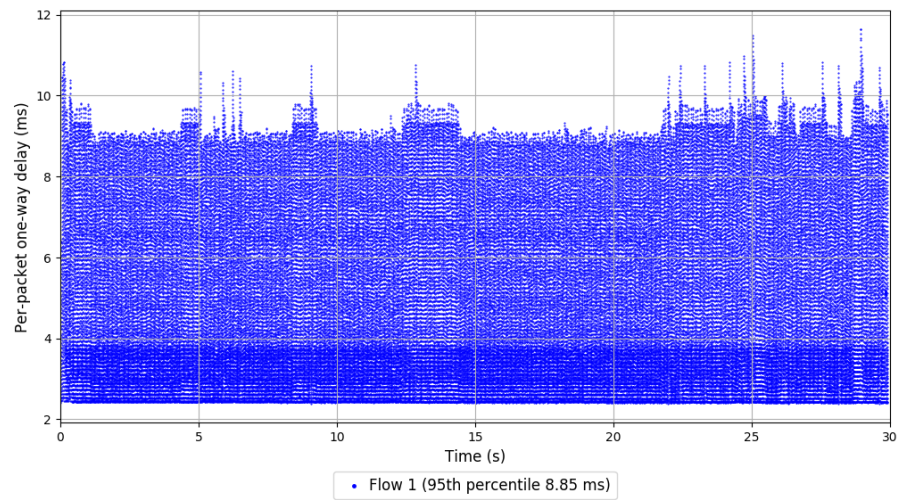
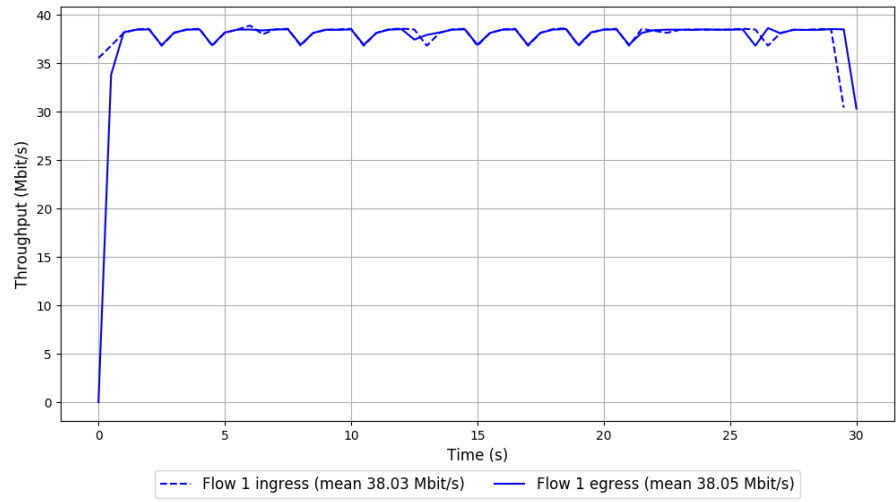


Run 9: Statistics of Sprout

Start at: 2018-06-05 22:02:24
End at: 2018-06-05 22:02:54
Local clock offset: -6.178 ms
Remote clock offset: -6.946 ms

Below is generated by plot.py at 2018-06-05 22:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 8.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 8.852 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-05 22:20:17

End at: 2018-06-05 22:20:47

Local clock offset: -1.191 ms

Remote clock offset: -7.04 ms

Below is generated by plot.py at 2018-06-05 22:47:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 9.476 ms

Loss rate: 0.00%

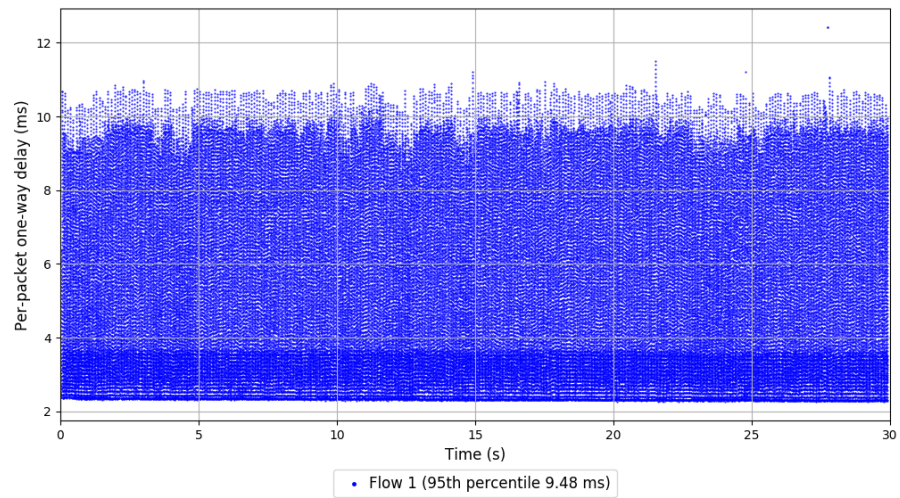
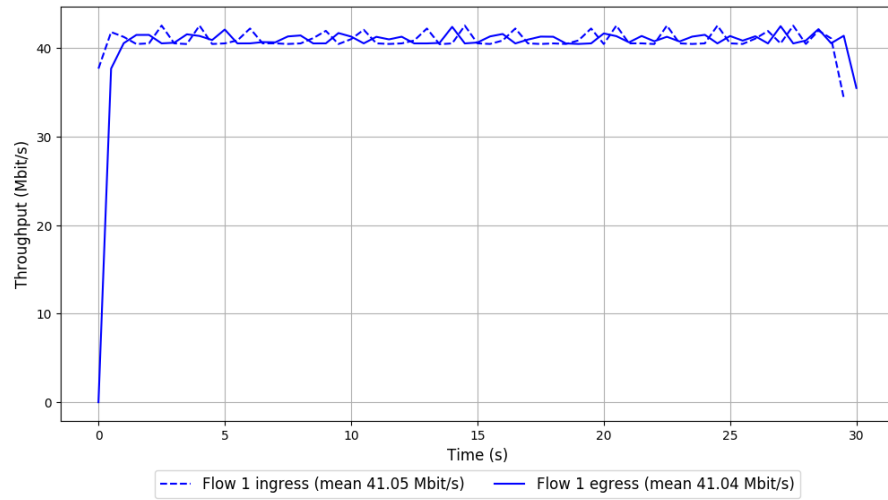
-- Flow 1:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 9.476 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 19:30:30

End at: 2018-06-05 19:31:00

Local clock offset: -4.557 ms

Remote clock offset: -3.347 ms

Below is generated by plot.py at 2018-06-05 22:49:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 2.485 ms

Loss rate: 0.02%

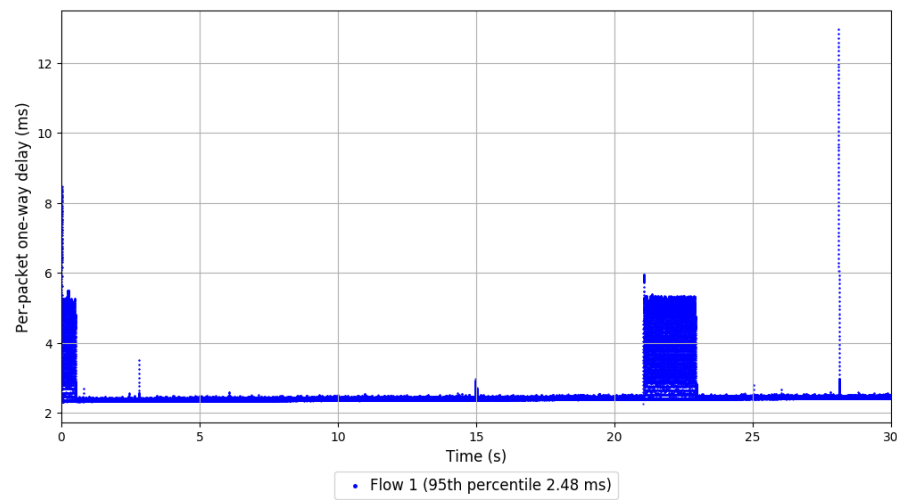
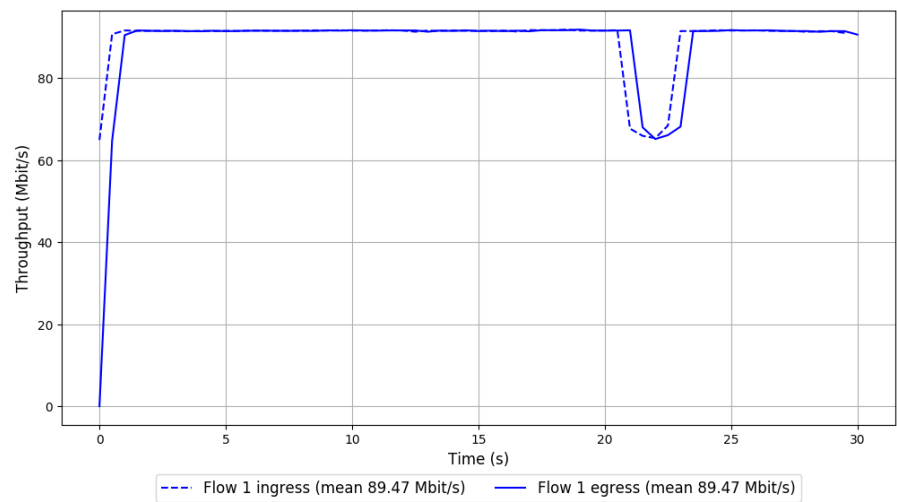
-- Flow 1:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 2.485 ms

Loss rate: 0.02%

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

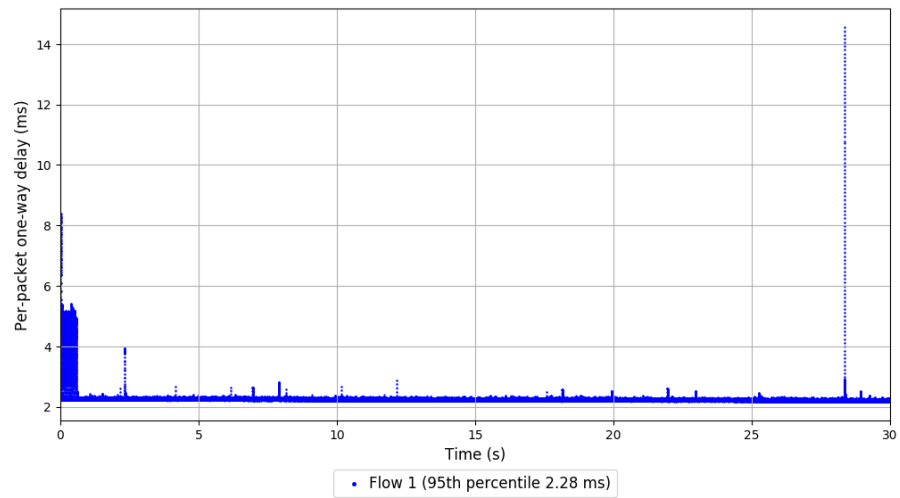
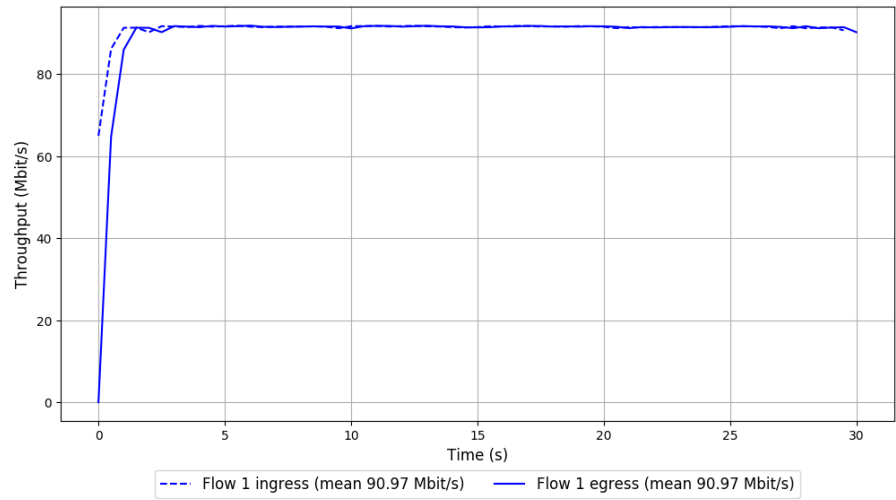


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 19:48:21
End at: 2018-06-05 19:48:51
Local clock offset: -0.387 ms
Remote clock offset: -1.586 ms

Below is generated by plot.py at 2018-06-05 22:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.02%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 20:06:12

End at: 2018-06-05 20:06:42

Local clock offset: 1.495 ms

Remote clock offset: -1.423 ms

Below is generated by plot.py at 2018-06-05 22:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.12 Mbit/s

95th percentile per-packet one-way delay: 8.622 ms

Loss rate: 0.02%

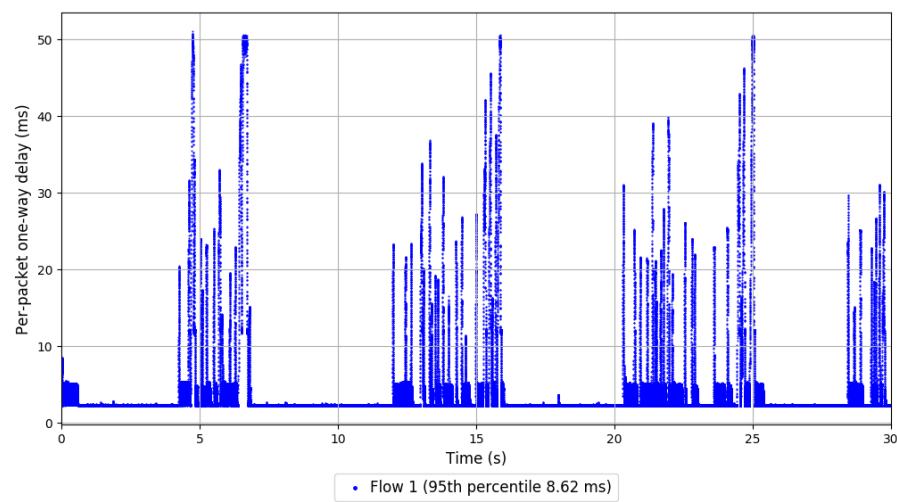
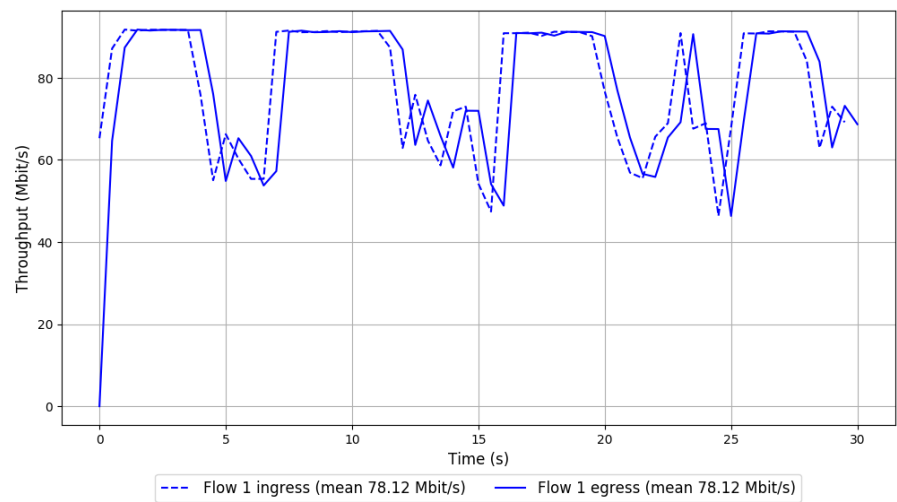
-- Flow 1:

Average throughput: 78.12 Mbit/s

95th percentile per-packet one-way delay: 8.622 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 20:24:03

End at: 2018-06-05 20:24:33

Local clock offset: 2.893 ms

Remote clock offset: -1.155 ms

Below is generated by plot.py at 2018-06-05 22:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 8.626 ms

Loss rate: 0.02%

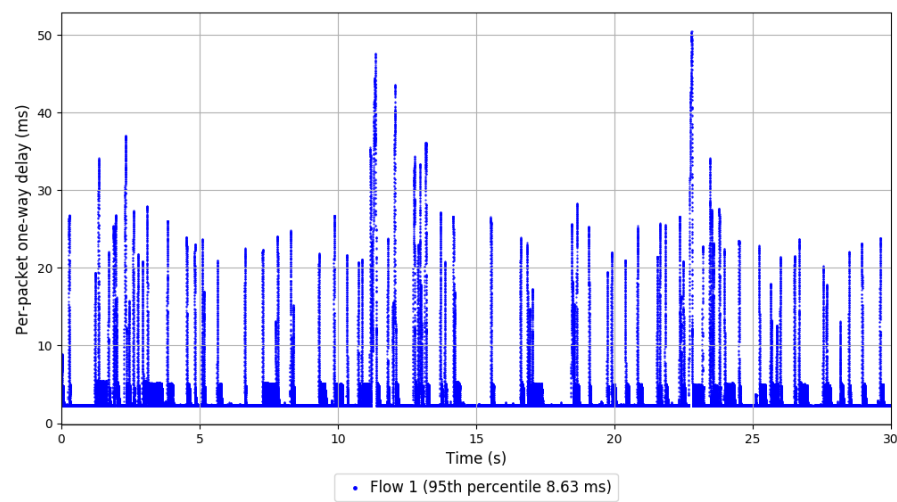
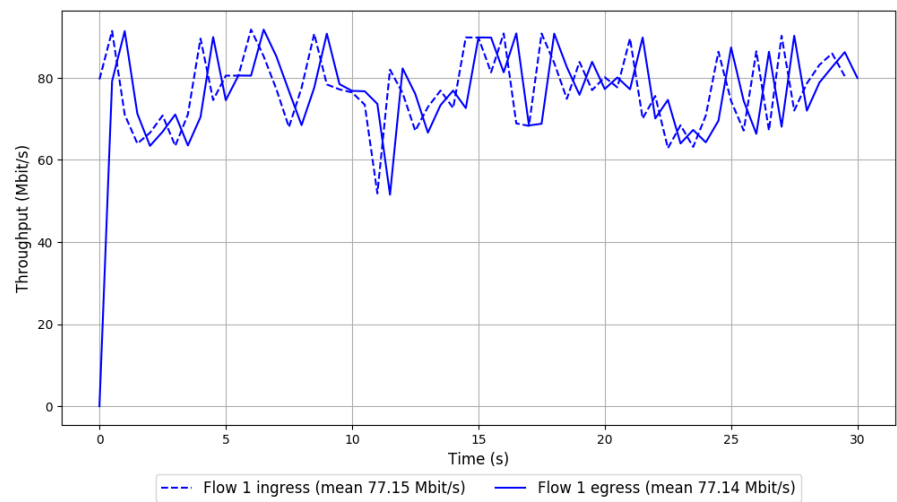
-- Flow 1:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 8.626 ms

Loss rate: 0.02%

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

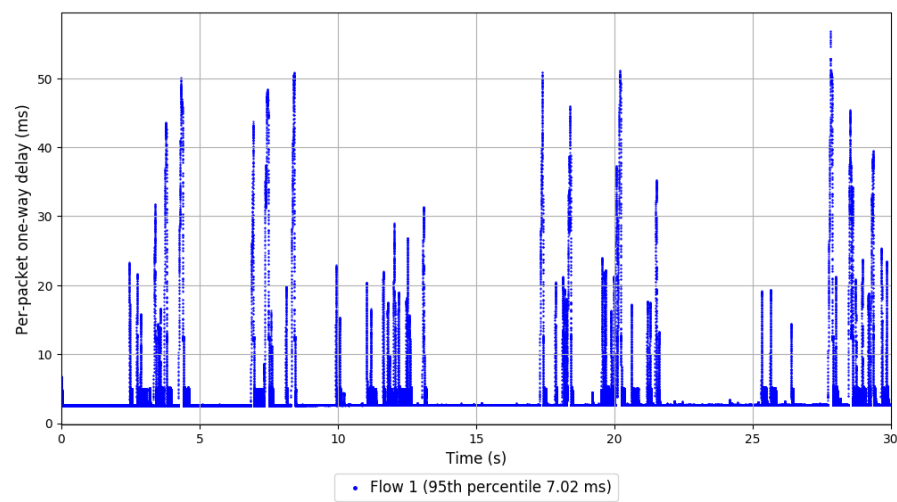
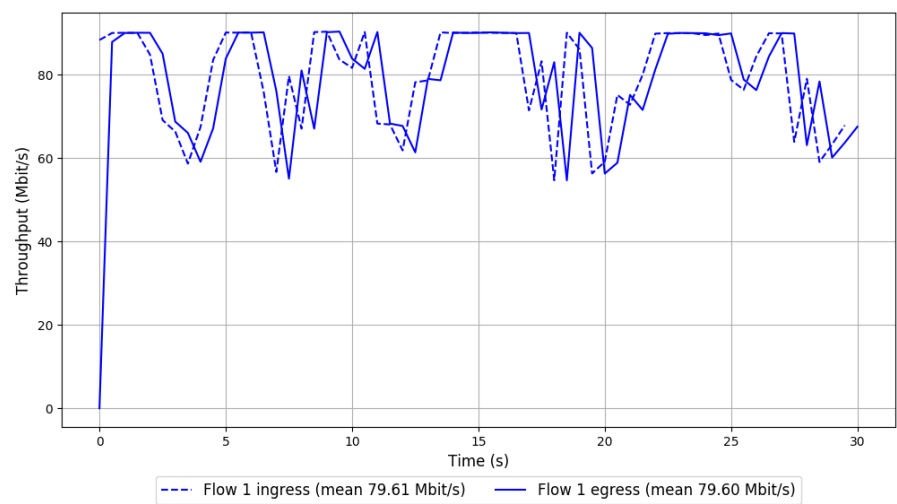


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 20:41:51
End at: 2018-06-05 20:42:21
Local clock offset: -2.022 ms
Remote clock offset: -6.876 ms

Below is generated by plot.py at 2018-06-05 22:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 7.016 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 7.016 ms
Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 20:59:39

End at: 2018-06-05 21:00:09

Local clock offset: -6.669 ms

Remote clock offset: -9.011 ms

Below is generated by plot.py at 2018-06-05 22:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 2.521 ms

Loss rate: 0.02%

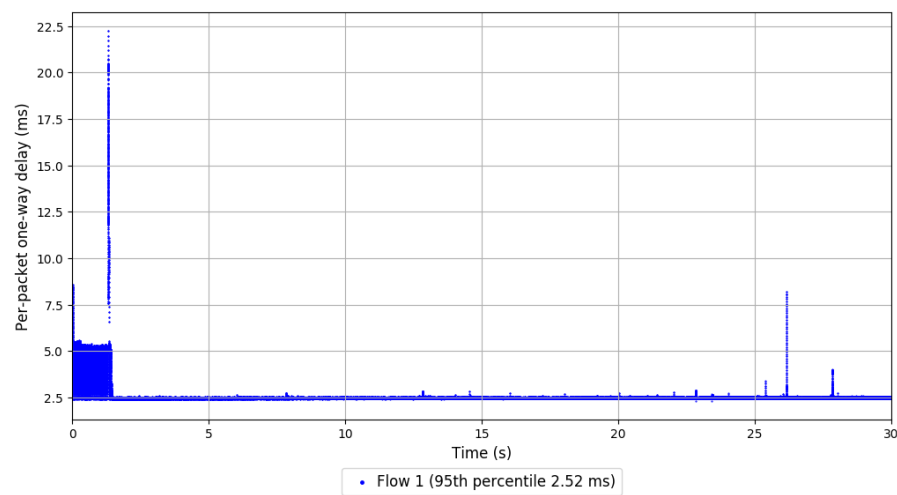
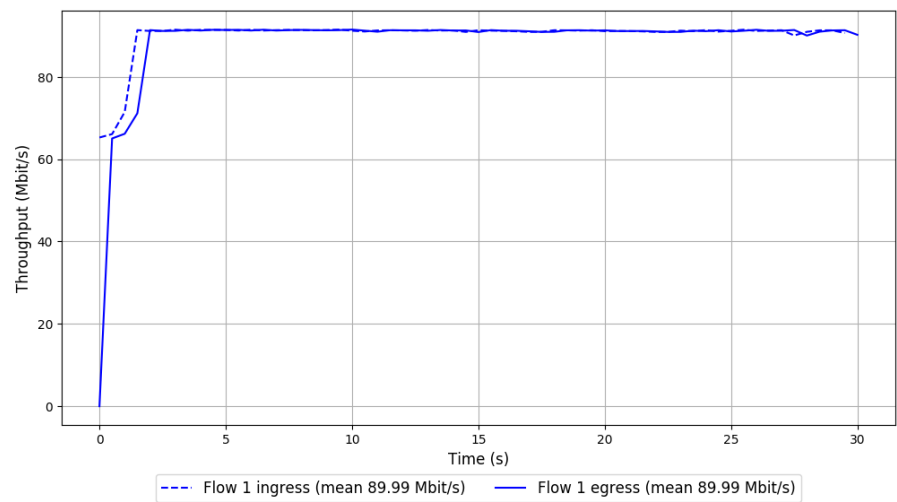
-- Flow 1:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 2.521 ms

Loss rate: 0.02%

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

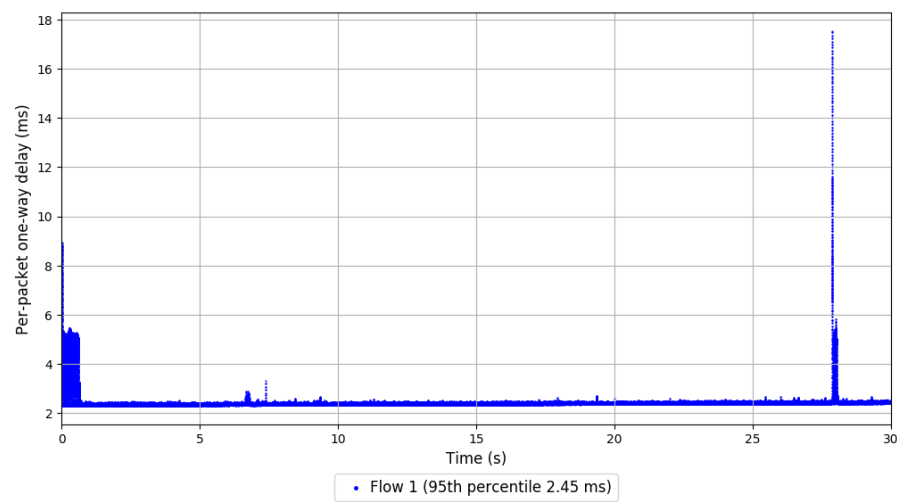
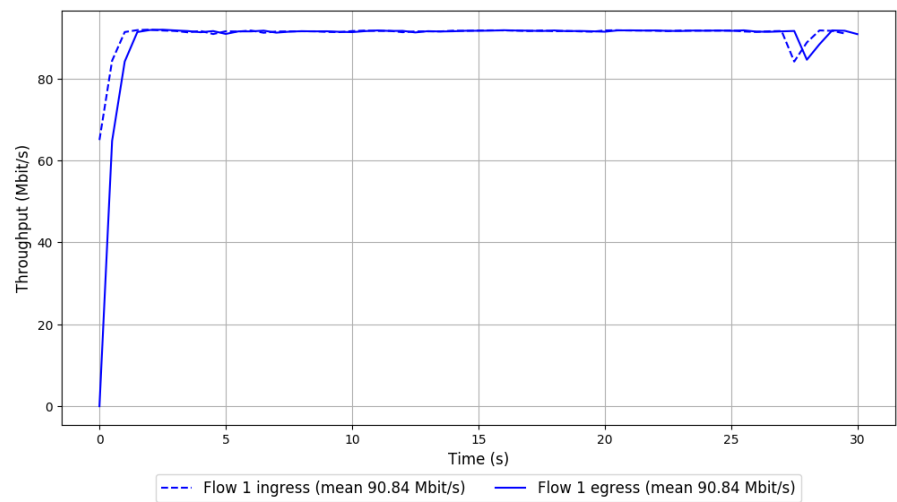


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 21:17:35
End at: 2018-06-05 21:18:05
Local clock offset: -6.669 ms
Remote clock offset: -2.448 ms

Below is generated by plot.py at 2018-06-05 22:49:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.01%

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

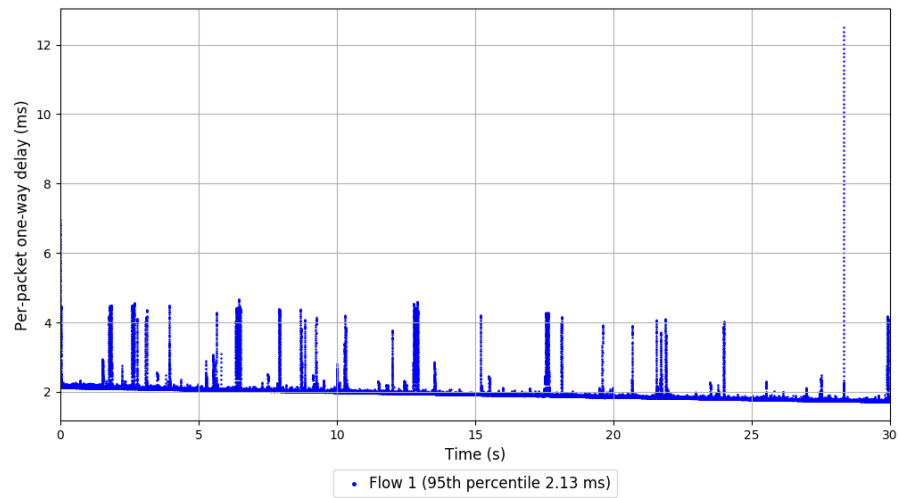
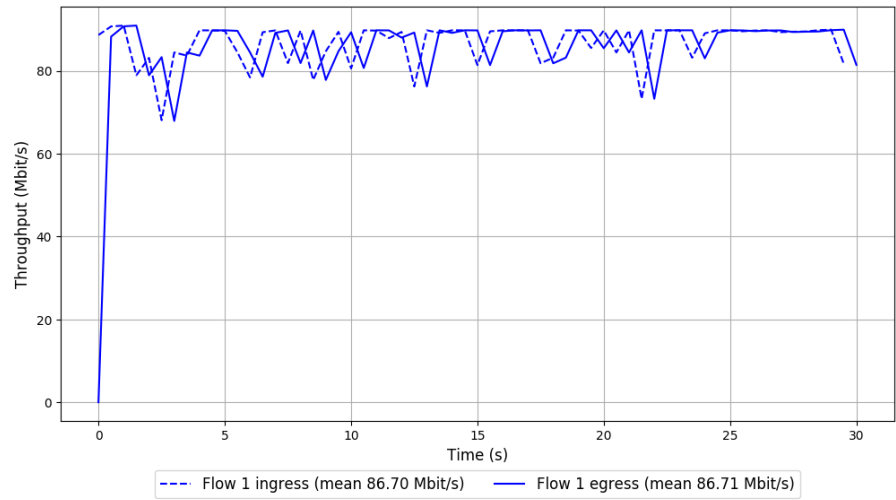


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 21:35:27
End at: 2018-06-05 21:35:57
Local clock offset: -7.054 ms
Remote clock offset: -0.792 ms

Below is generated by plot.py at 2018-06-05 22:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 2.127 ms
Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 21:53:23

End at: 2018-06-05 21:53:53

Local clock offset: -6.815 ms

Remote clock offset: -6.234 ms

Below is generated by plot.py at 2018-06-05 22:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 1.593 ms

Loss rate: 0.01%

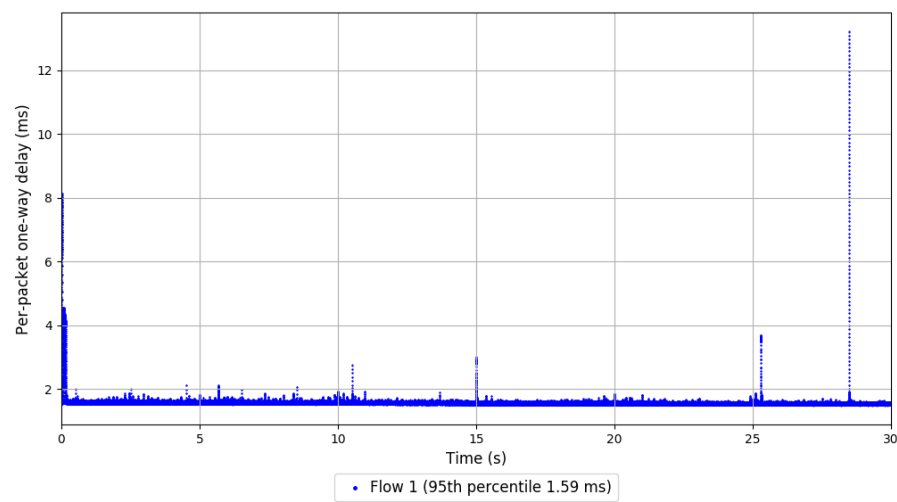
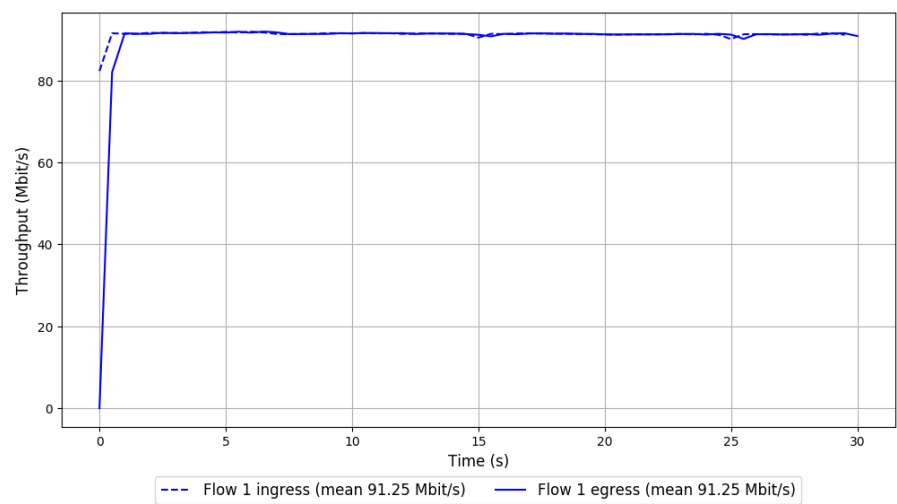
-- Flow 1:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 1.593 ms

Loss rate: 0.01%

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

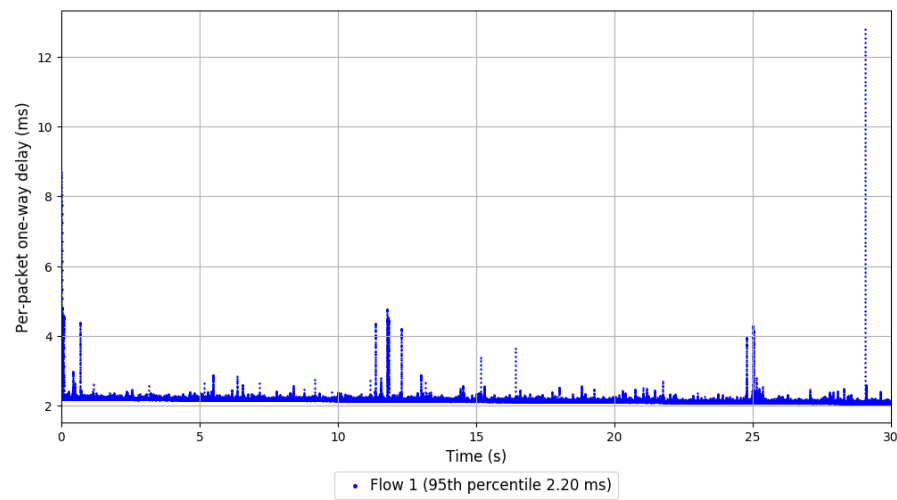
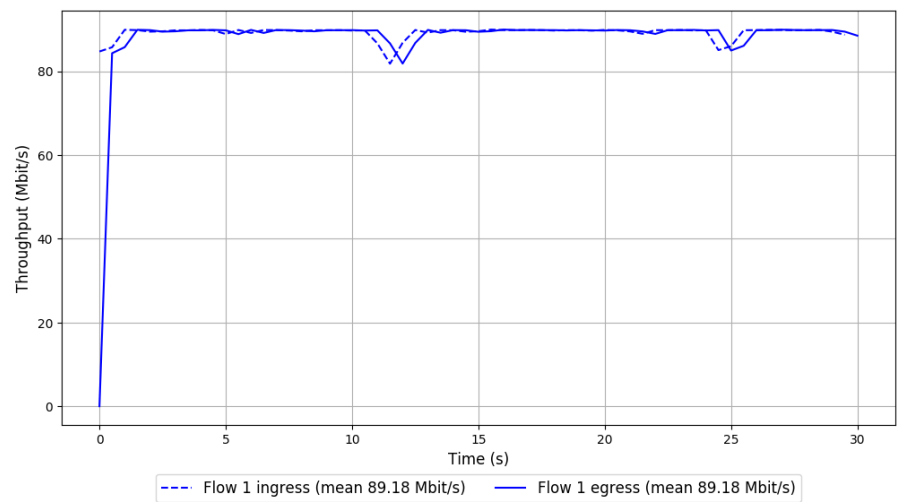


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 22:11:18
End at: 2018-06-05 22:11:48
Local clock offset: -3.021 ms
Remote clock offset: -7.08 ms

# Below is generated by plot.py at 2018-06-05 22:50:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 2.200 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 2.200 ms
Loss rate: 0.01%
```

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

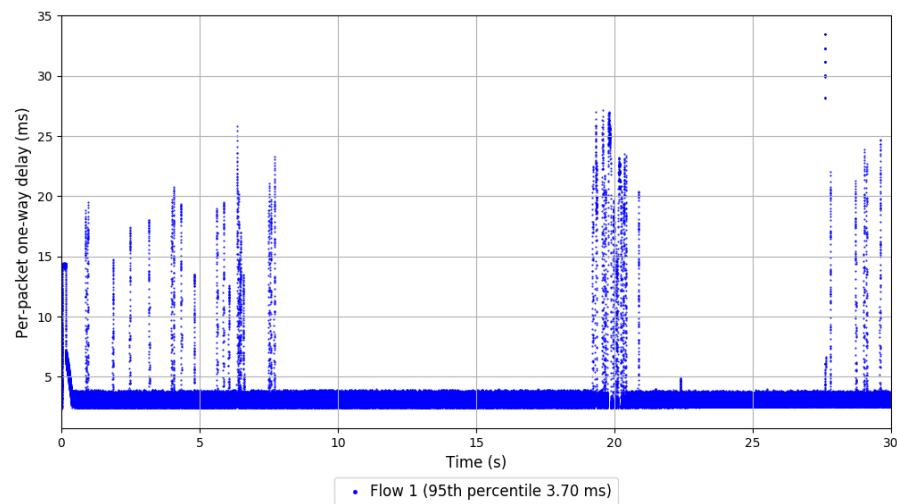
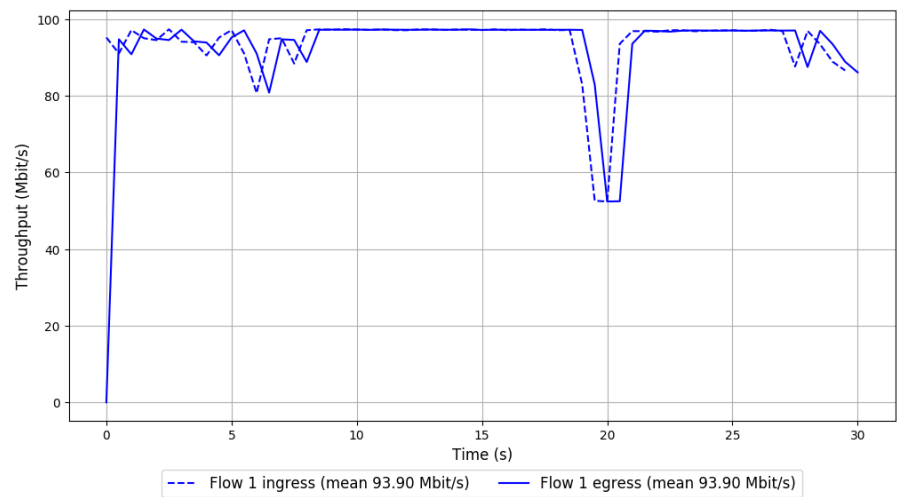


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 19:32:49
End at: 2018-06-05 19:33:19
Local clock offset: -4.527 ms
Remote clock offset: -3.004 ms

Below is generated by plot.py at 2018-06-05 22:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 3.703 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 3.703 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link

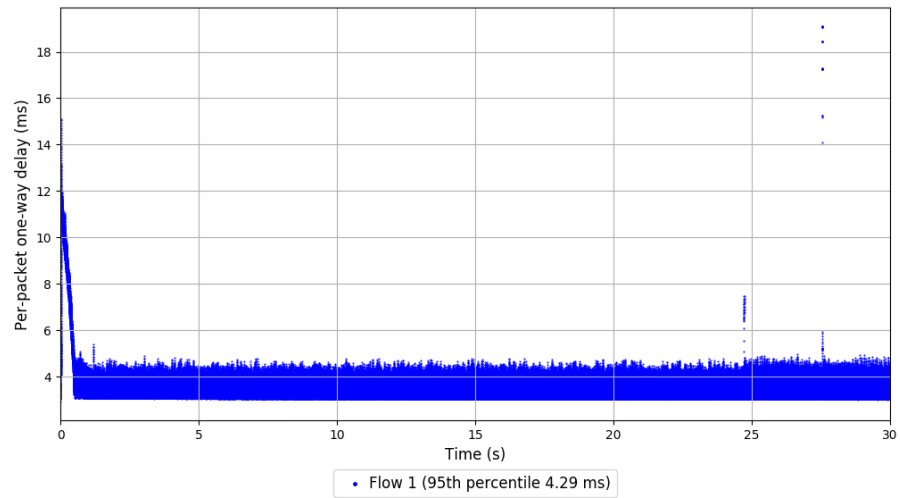
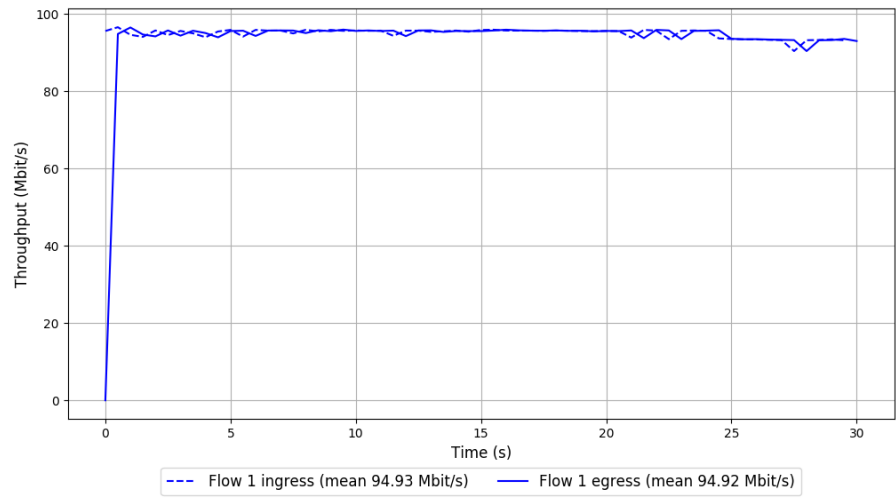


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 19:50:40
End at: 2018-06-05 19:51:10
Local clock offset: 0.758 ms
Remote clock offset: -1.504 ms

Below is generated by plot.py at 2018-06-05 22:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 4.290 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 4.290 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link

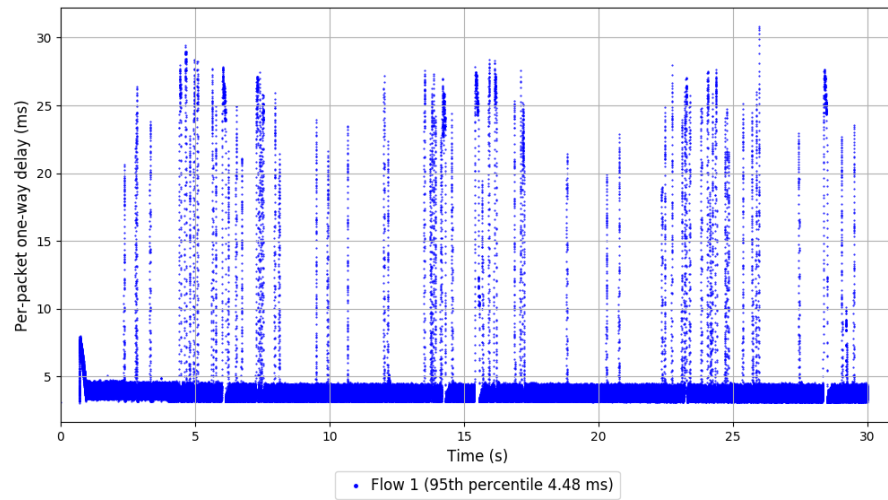
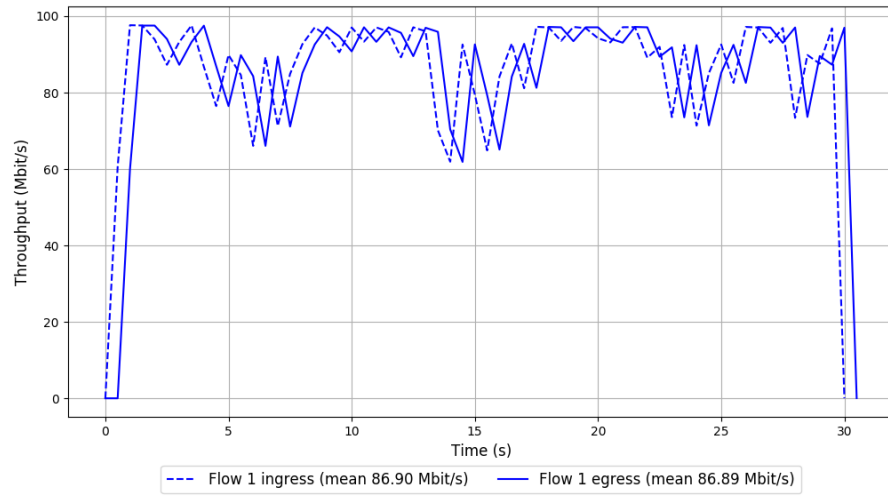


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 20:08:29
End at: 2018-06-05 20:08:59
Local clock offset: 2.506 ms
Remote clock offset: -1.466 ms

Below is generated by plot.py at 2018-06-05 22:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 4.484 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 4.484 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 20:26:21

End at: 2018-06-05 20:26:51

Local clock offset: 3.052 ms

Remote clock offset: -1.12 ms

Below is generated by plot.py at 2018-06-05 22:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 3.757 ms

Loss rate: 0.02%

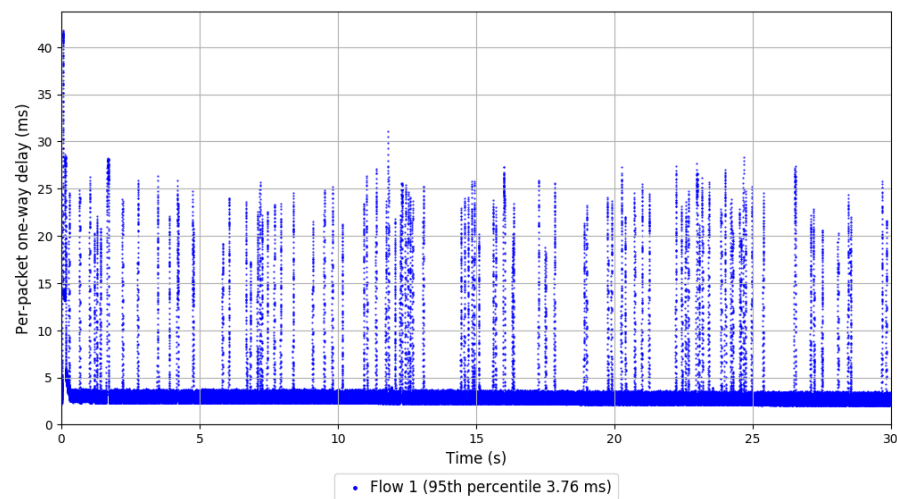
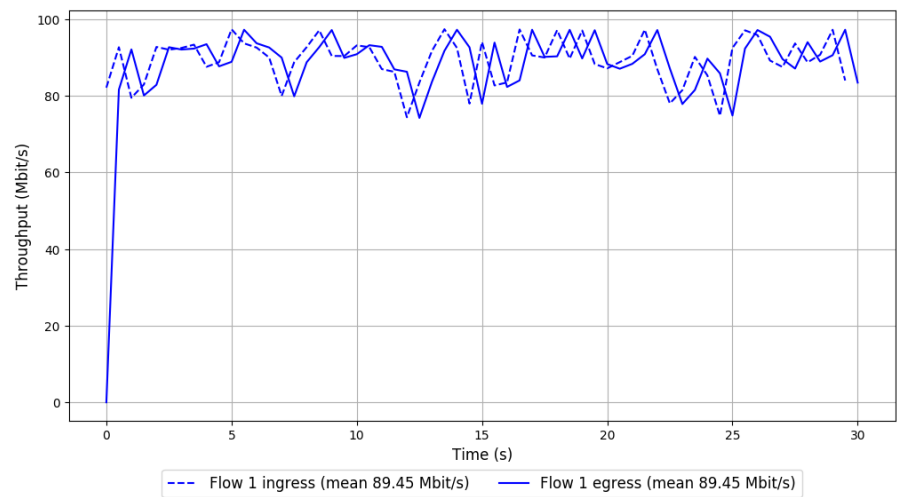
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 3.757 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

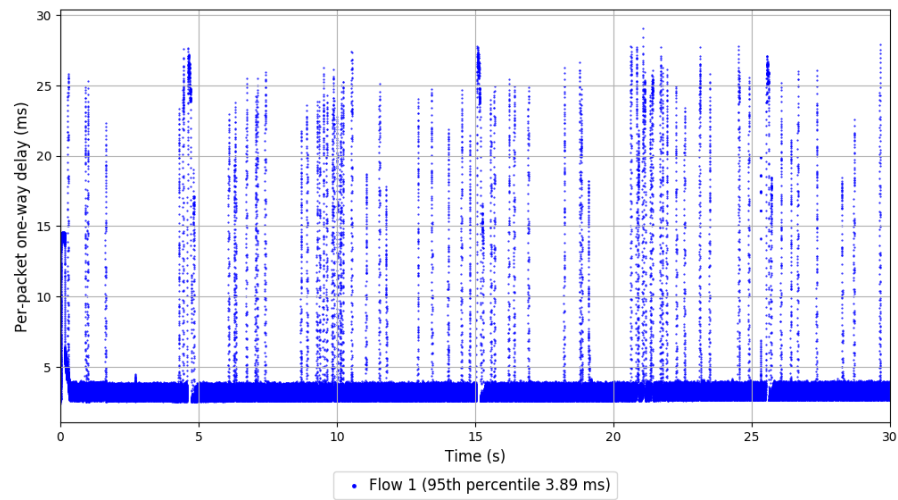
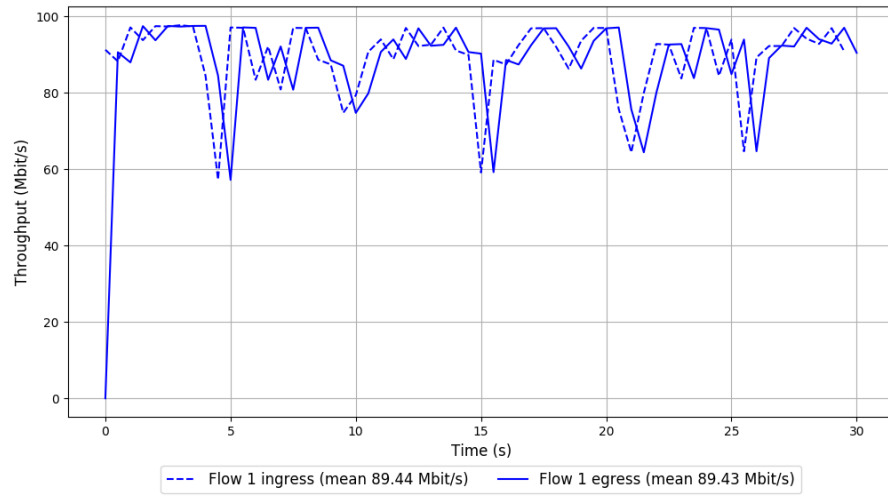


Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 20:44:09
End at: 2018-06-05 20:44:39
Local clock offset: -3.043 ms
Remote clock offset: -7.253 ms

Below is generated by plot.py at 2018-06-05 22:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 3.894 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 3.894 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

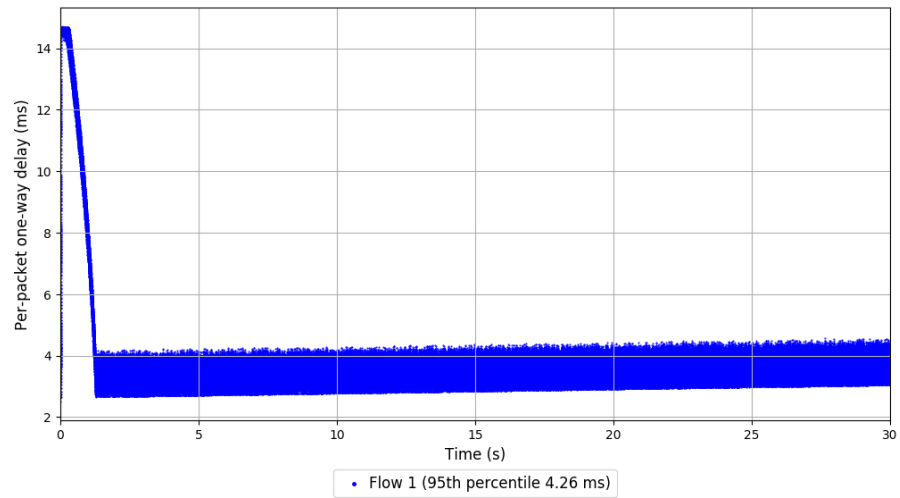
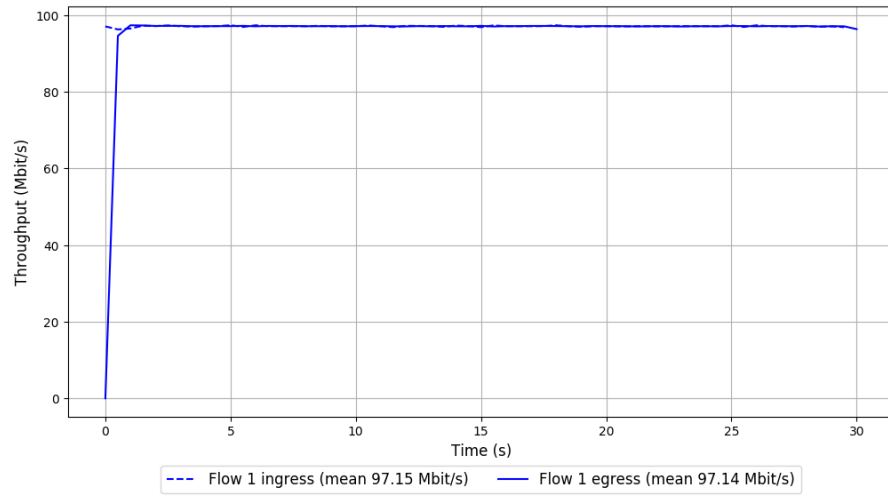


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 21:01:58
End at: 2018-06-05 21:02:28
Local clock offset: -7.01 ms
Remote clock offset: -8.326 ms

Below is generated by plot.py at 2018-06-05 22:50:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

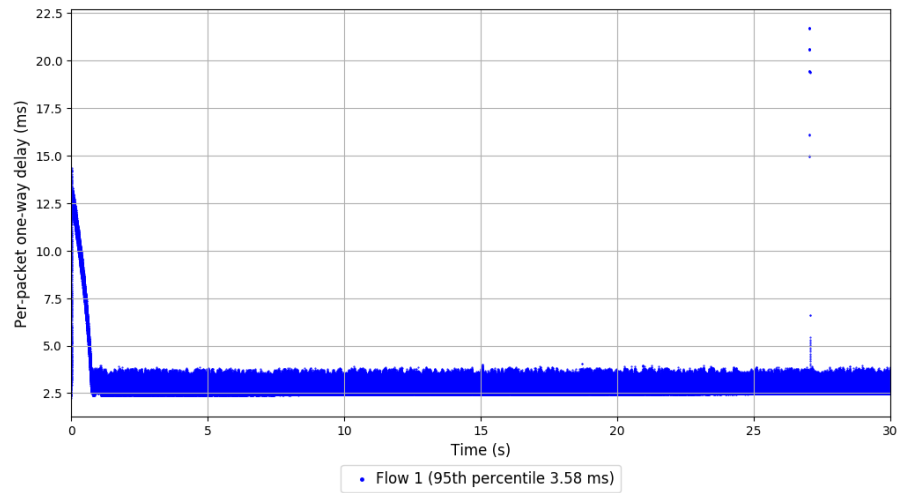
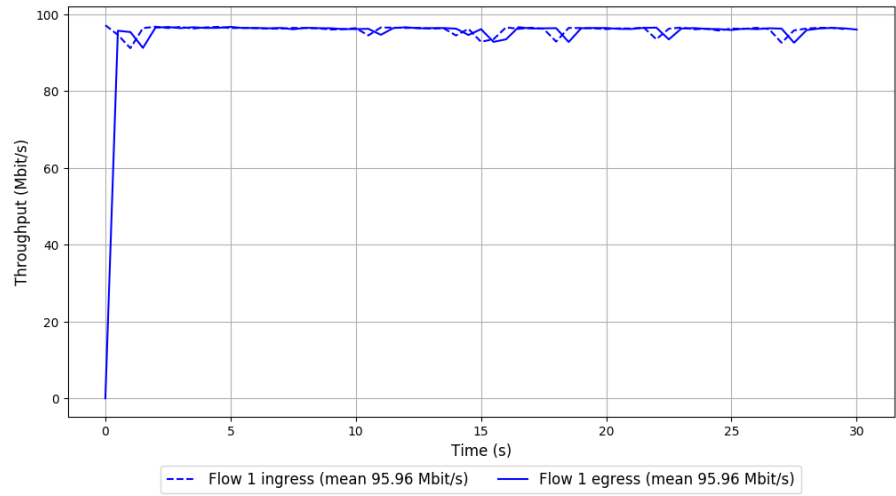


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 21:19:54
End at: 2018-06-05 21:20:24
Local clock offset: -6.73 ms
Remote clock offset: -2.133 ms

Below is generated by plot.py at 2018-06-05 22:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 3.580 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 3.580 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

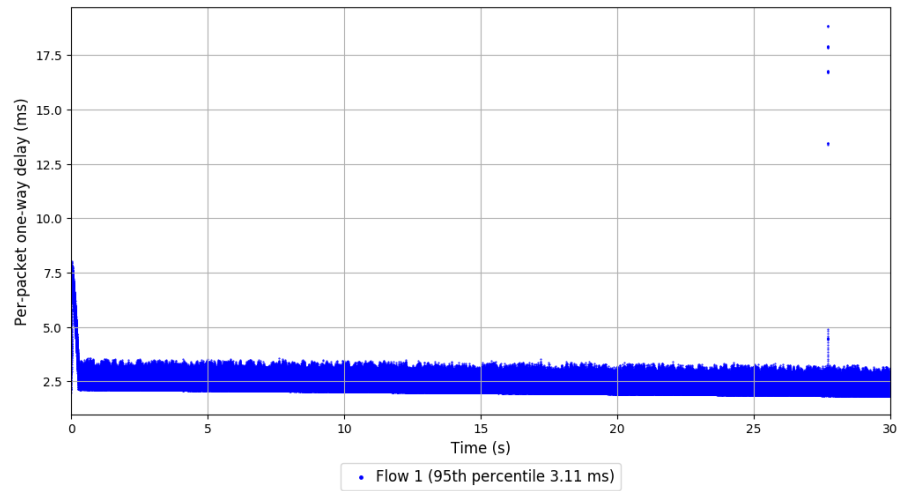
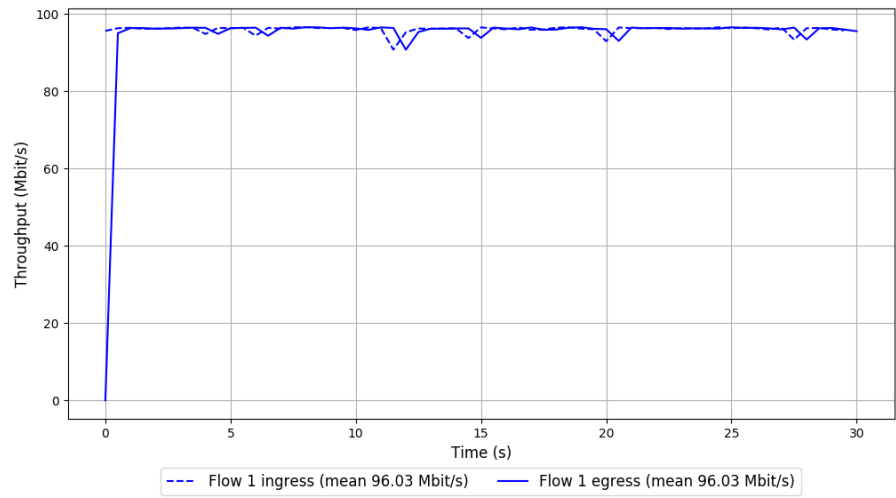


Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 21:37:46
End at: 2018-06-05 21:38:16
Local clock offset: -6.711 ms
Remote clock offset: -2.179 ms

Below is generated by plot.py at 2018-06-05 22:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 3.109 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 3.109 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

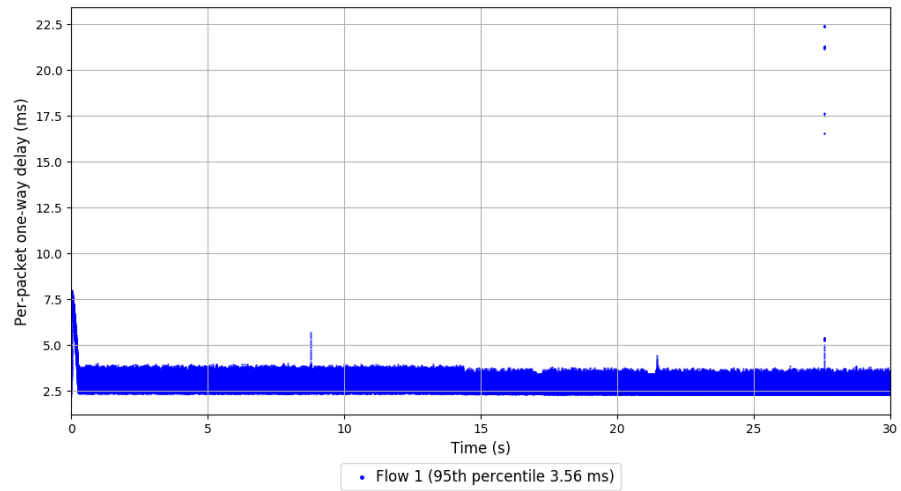
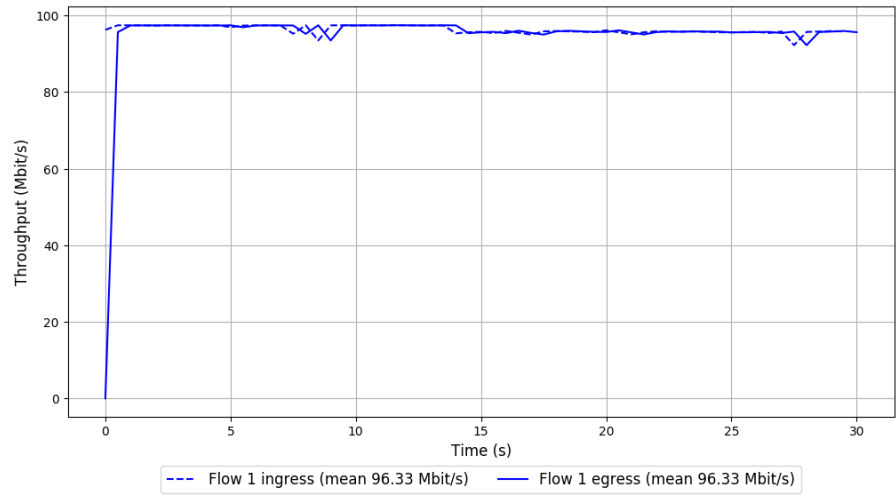


Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 21:55:42
End at: 2018-06-05 21:56:12
Local clock offset: -6.065 ms
Remote clock offset: -6.461 ms

Below is generated by plot.py at 2018-06-05 22:51:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 3.556 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 3.556 ms
Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link

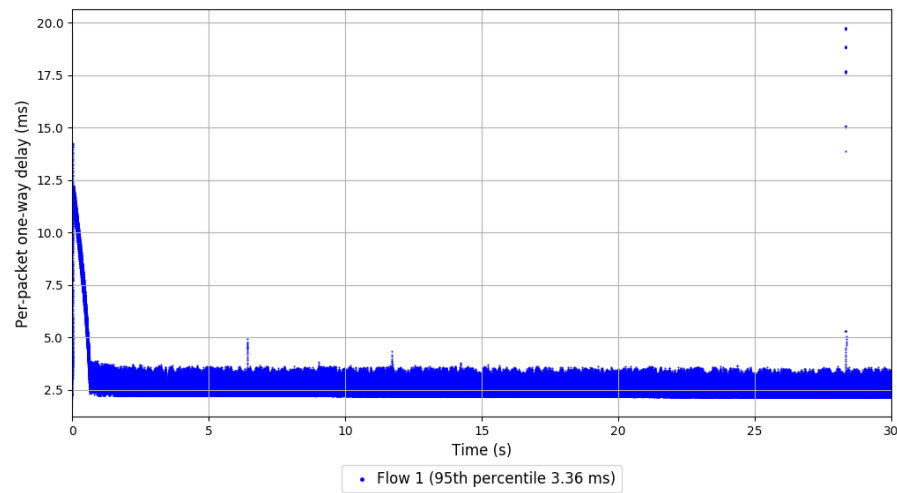
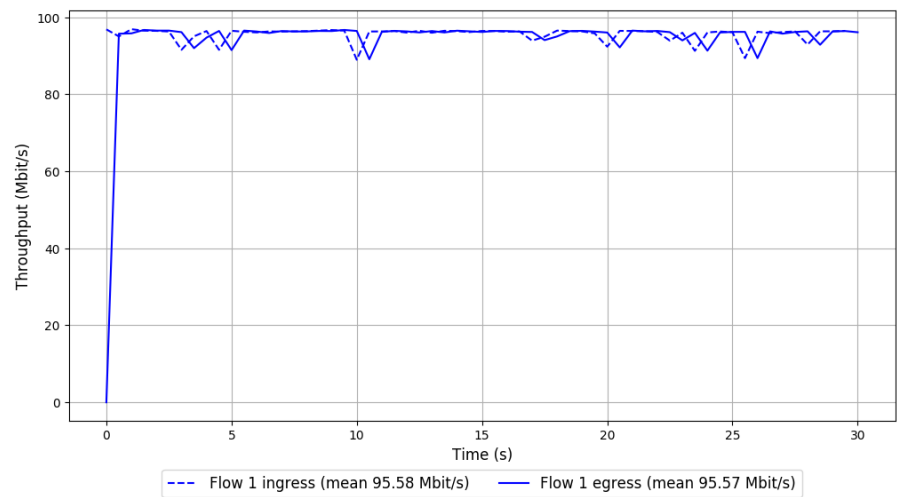


Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 22:13:37
End at: 2018-06-05 22:14:07
Local clock offset: -2.381 ms
Remote clock offset: -7.019 ms

Below is generated by plot.py at 2018-06-05 22:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link

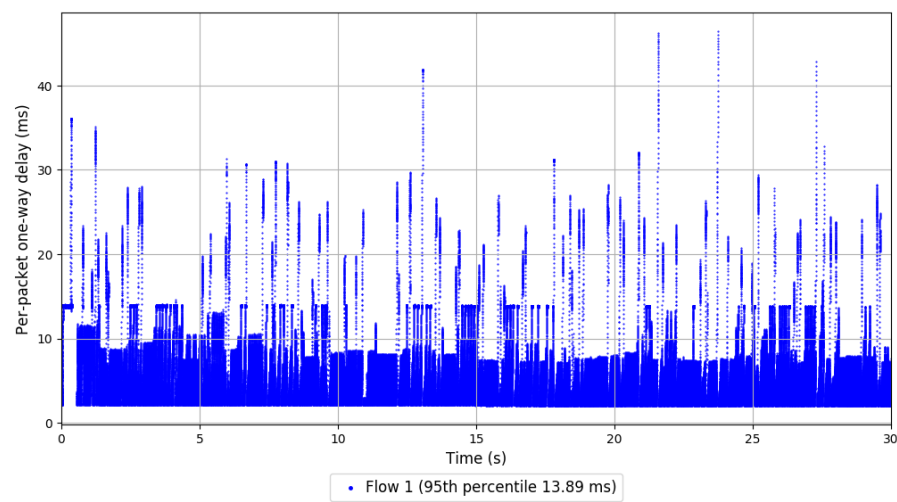
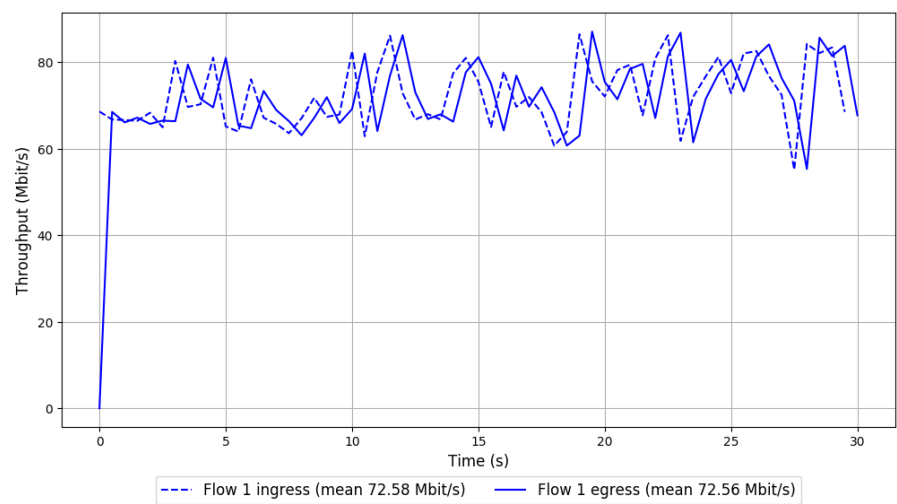


Run 1: Statistics of Verus

Start at: 2018-06-05 19:37:17
End at: 2018-06-05 19:37:47
Local clock offset: -3.138 ms
Remote clock offset: -2.369 ms

Below is generated by plot.py at 2018-06-05 22:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 13.887 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 13.887 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

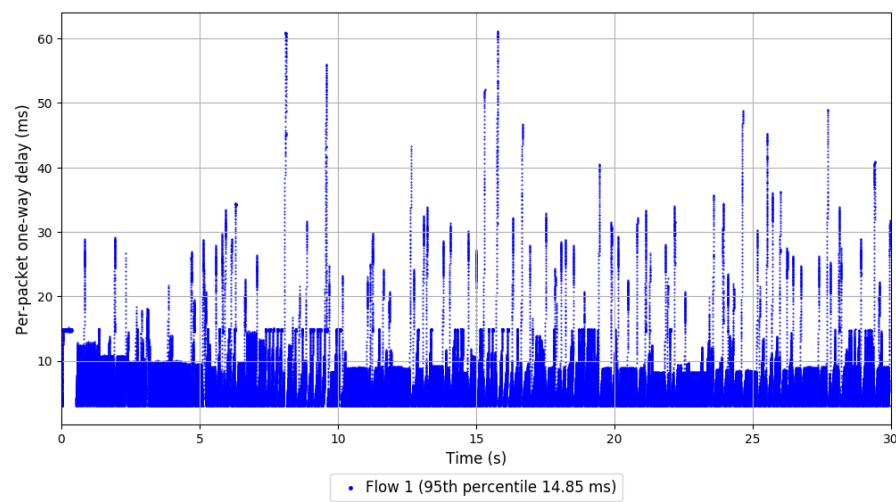
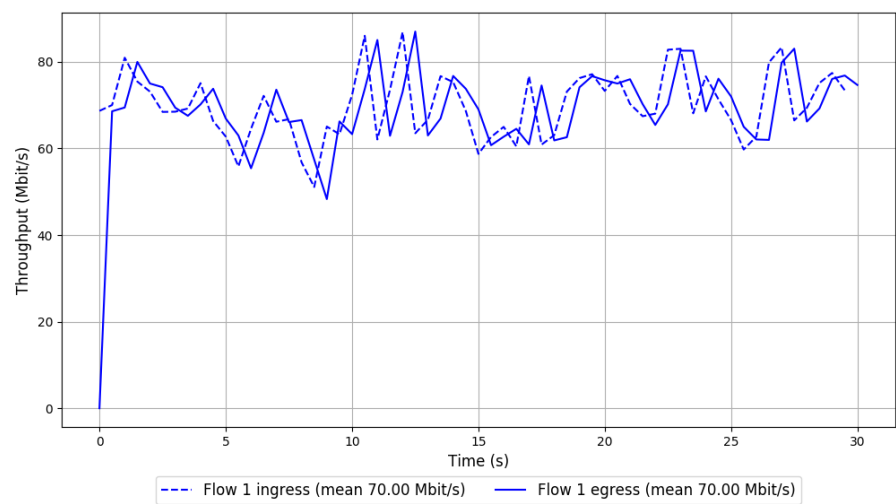


Run 2: Statistics of Verus

Start at: 2018-06-05 19:55:09
End at: 2018-06-05 19:55:39
Local clock offset: 1.292 ms
Remote clock offset: -1.464 ms

Below is generated by plot.py at 2018-06-05 22:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 14.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 14.848 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

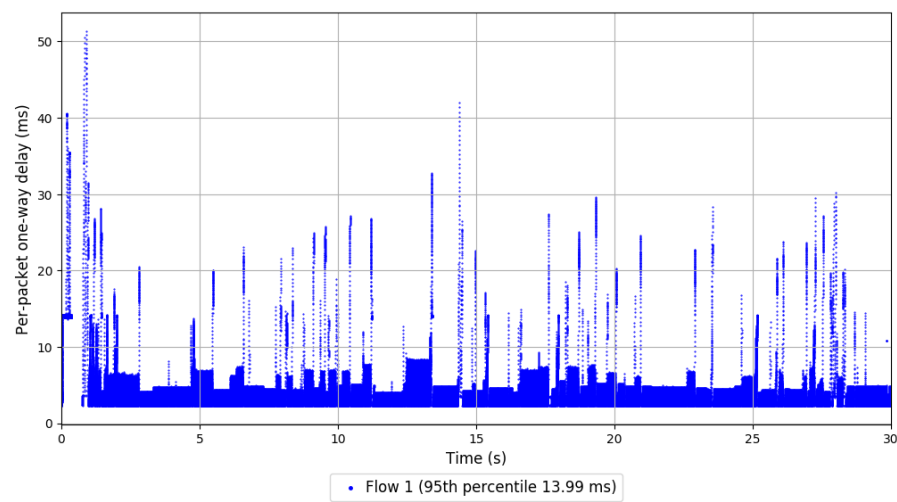
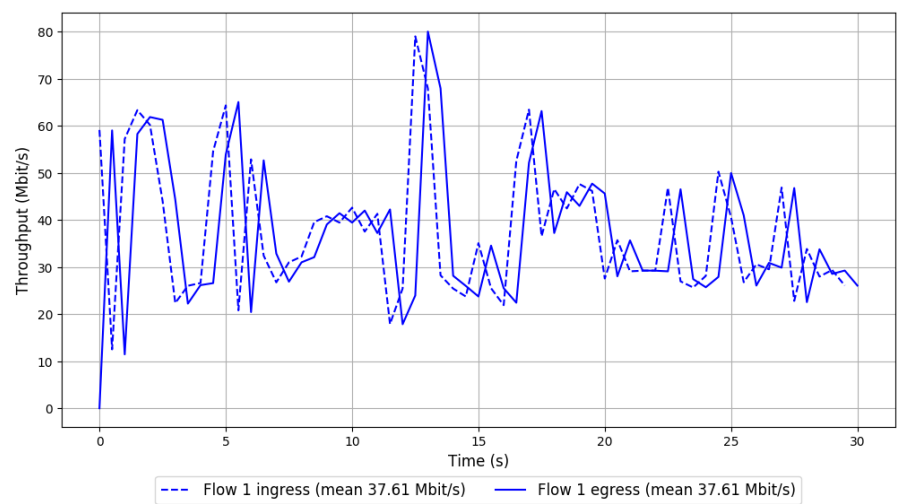


Run 3: Statistics of Verus

Start at: 2018-06-05 20:13:00
End at: 2018-06-05 20:13:30
Local clock offset: 2.077 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-06-05 22:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 13.990 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 13.990 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link

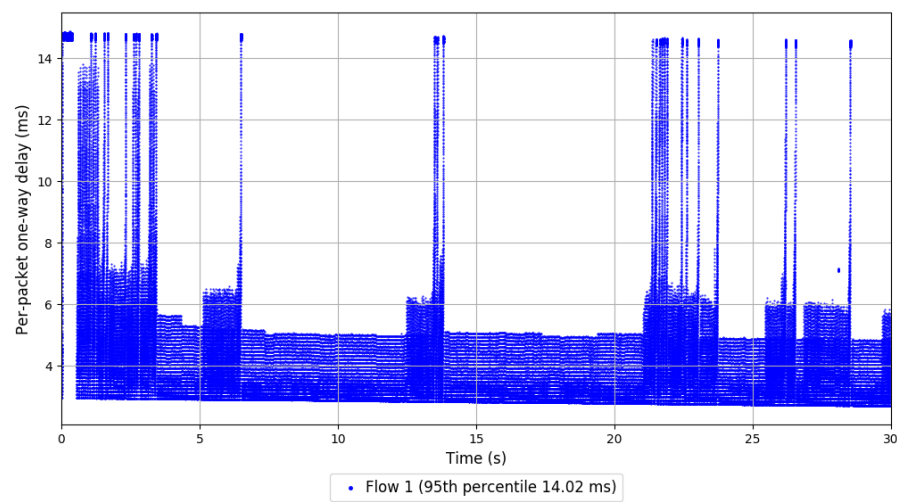
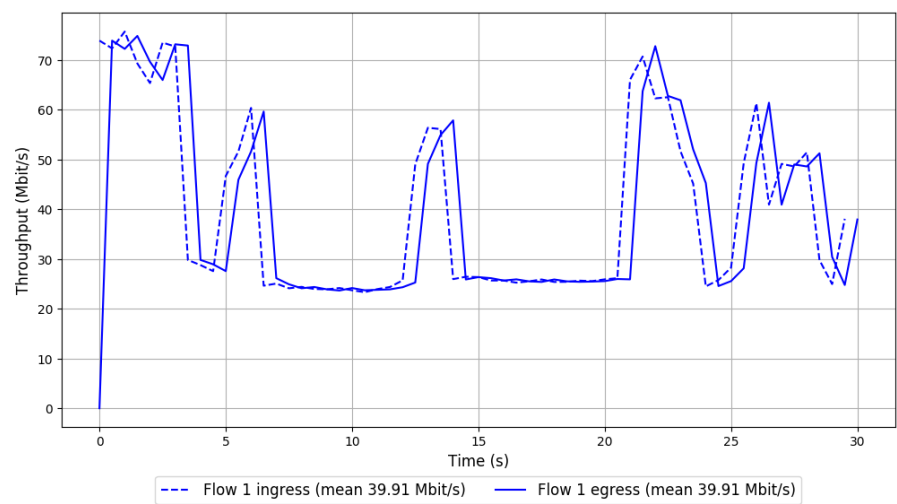


Run 4: Statistics of Verus

Start at: 2018-06-05 20:30:48
End at: 2018-06-05 20:31:18
Local clock offset: 4.147 ms
Remote clock offset: -3.569 ms

Below is generated by plot.py at 2018-06-05 22:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 14.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 14.022 ms
Loss rate: 0.01%

Run 4: Report of Verus — Data Link

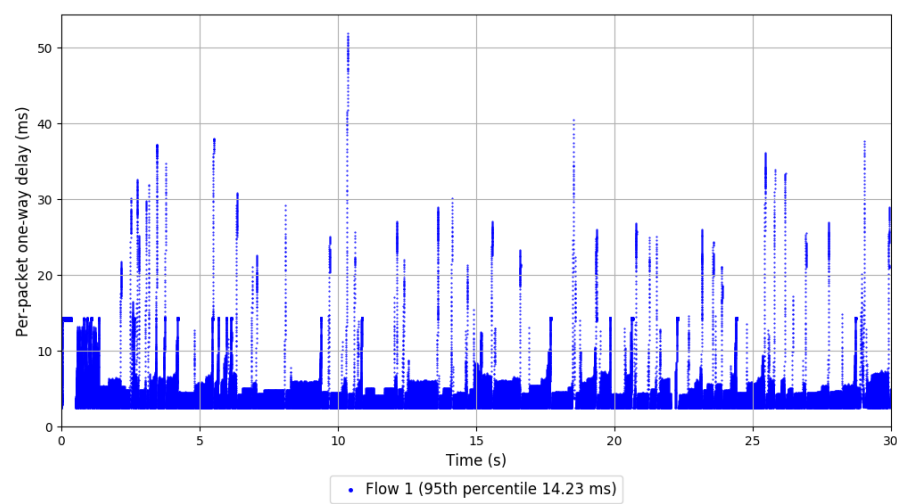
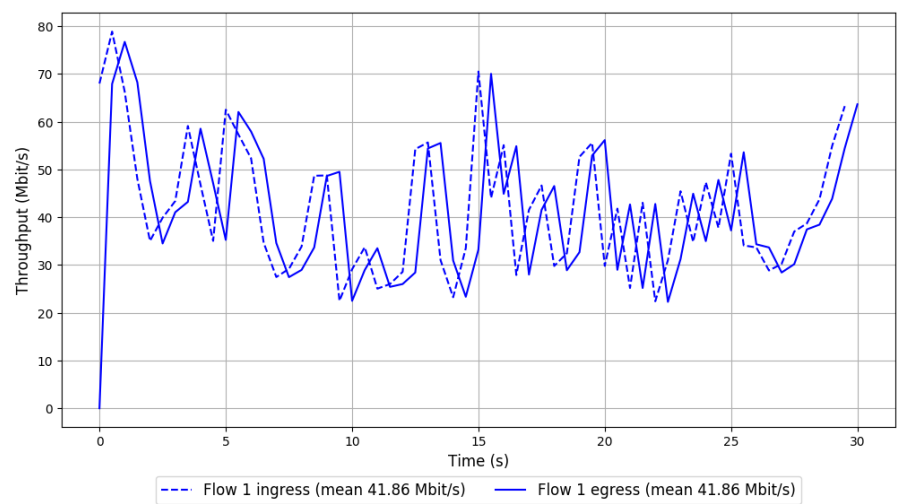


Run 5: Statistics of Verus

Start at: 2018-06-05 20:48:36
End at: 2018-06-05 20:49:06
Local clock offset: -4.595 ms
Remote clock offset: -7.927 ms

Below is generated by plot.py at 2018-06-05 22:51:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 14.227 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 14.227 ms
Loss rate: 0.01%

Run 5: Report of Verus — Data Link

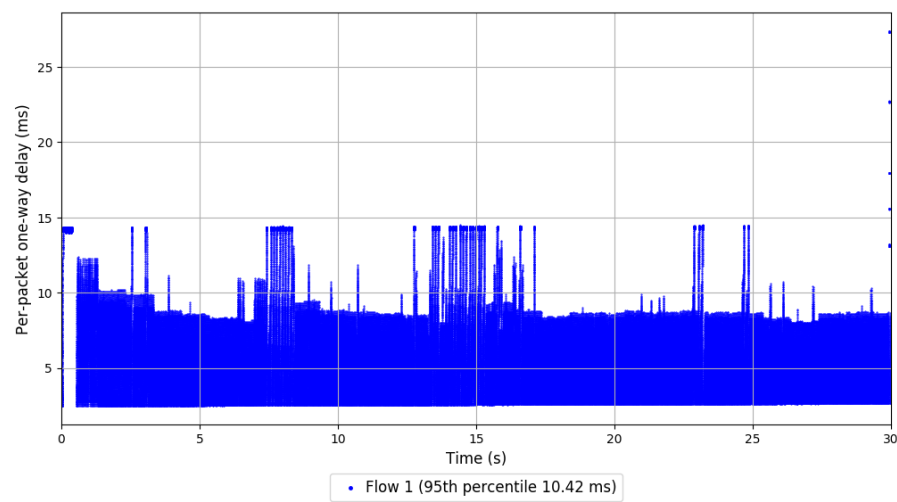
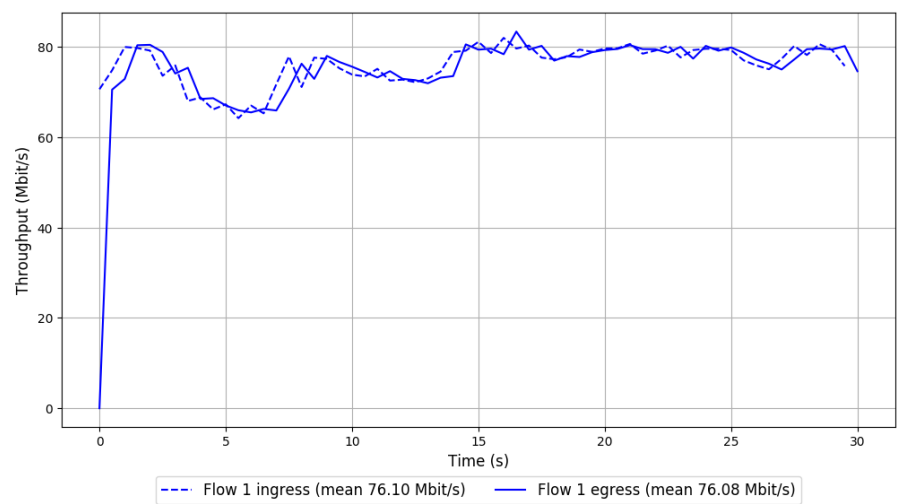


Run 6: Statistics of Verus

Start at: 2018-06-05 21:06:30
End at: 2018-06-05 21:07:00
Local clock offset: -6.951 ms
Remote clock offset: -5.681 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 10.421 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 10.421 ms
Loss rate: 0.04%

Run 6: Report of Verus — Data Link

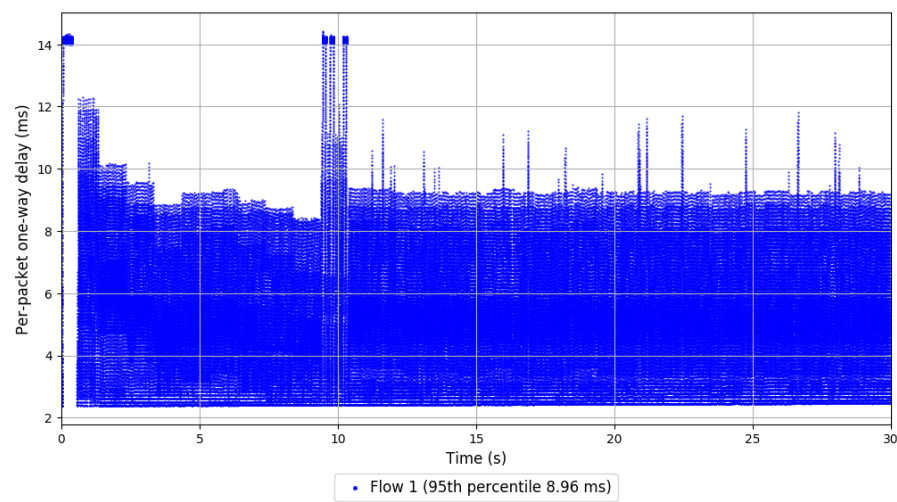
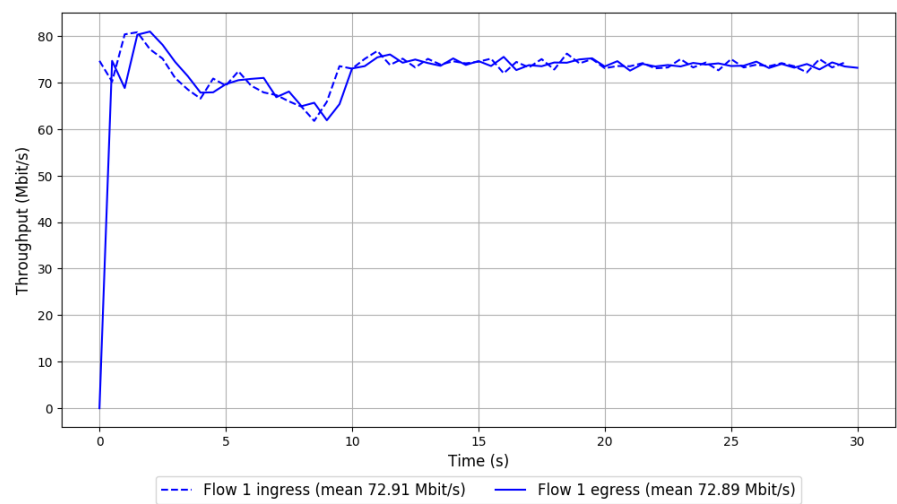


Run 7: Statistics of Verus

Start at: 2018-06-05 21:24:22
End at: 2018-06-05 21:24:53
Local clock offset: -6.822 ms
Remote clock offset: -1.496 ms

Below is generated by plot.py at 2018-06-05 22:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 8.957 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 8.957 ms
Loss rate: 0.04%

Run 7: Report of Verus — Data Link

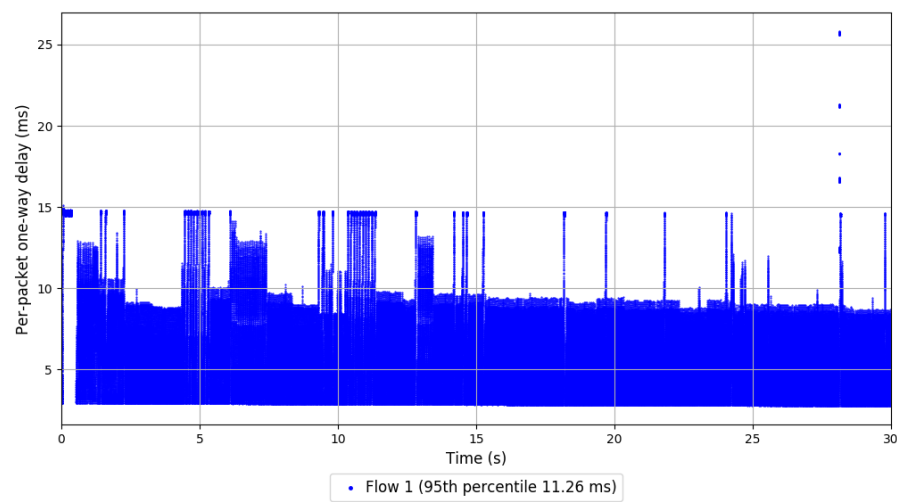
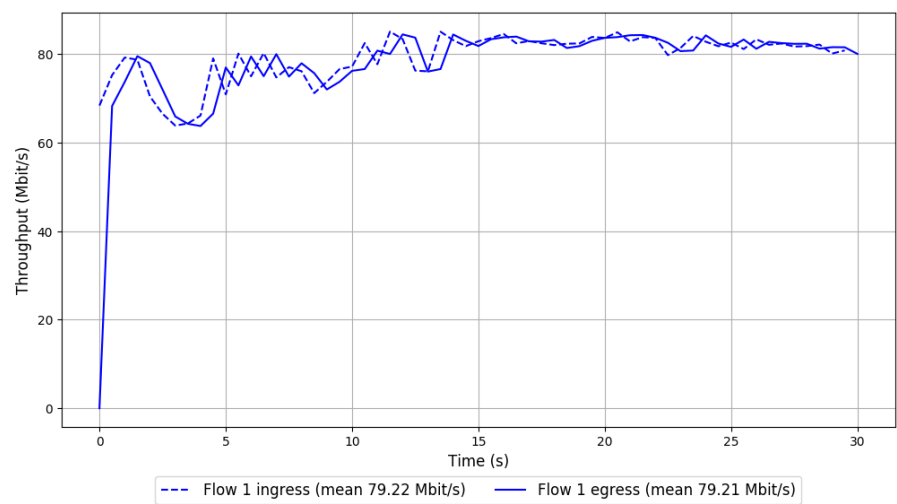


Run 8: Statistics of Verus

Start at: 2018-06-05 21:42:17
End at: 2018-06-05 21:42:47
Local clock offset: -5.568 ms
Remote clock offset: -4.088 ms

Below is generated by plot.py at 2018-06-05 22:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 11.264 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 11.264 ms
Loss rate: 0.02%

Run 8: Report of Verus — Data Link

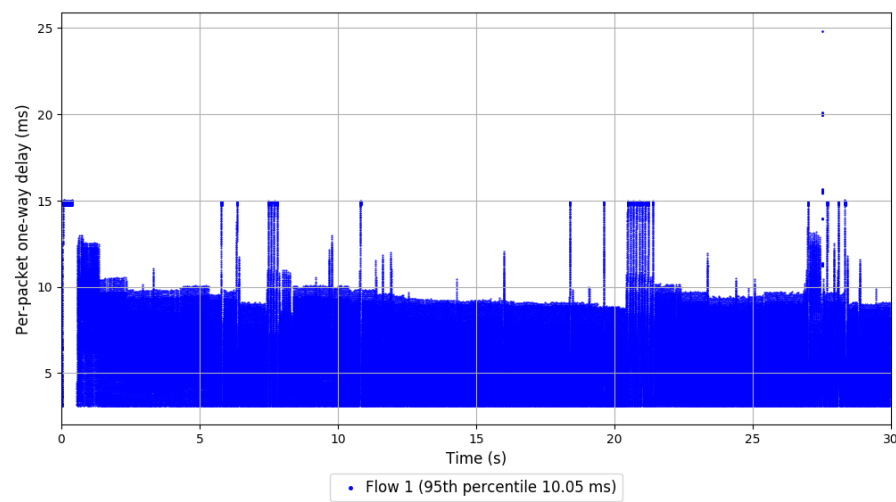
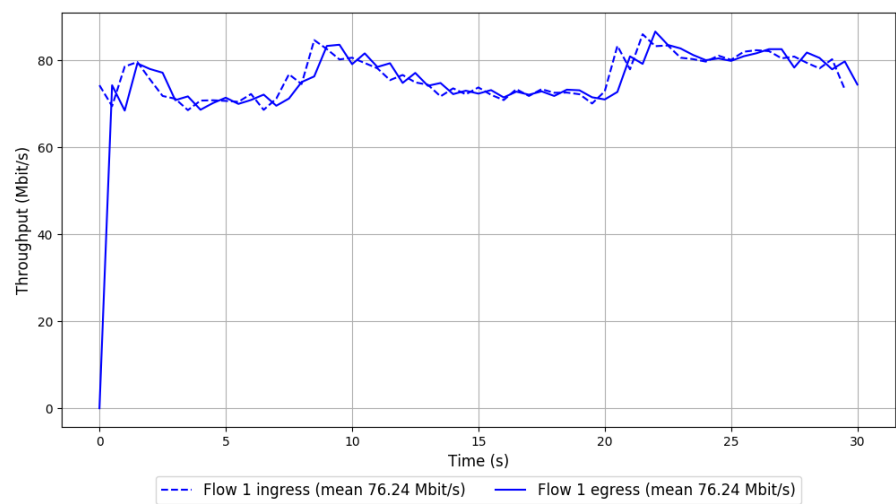


Run 9: Statistics of Verus

Start at: 2018-06-05 22:00:13
End at: 2018-06-05 22:00:43
Local clock offset: -5.37 ms
Remote clock offset: -6.769 ms

Below is generated by plot.py at 2018-06-05 22:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 10.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 10.048 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

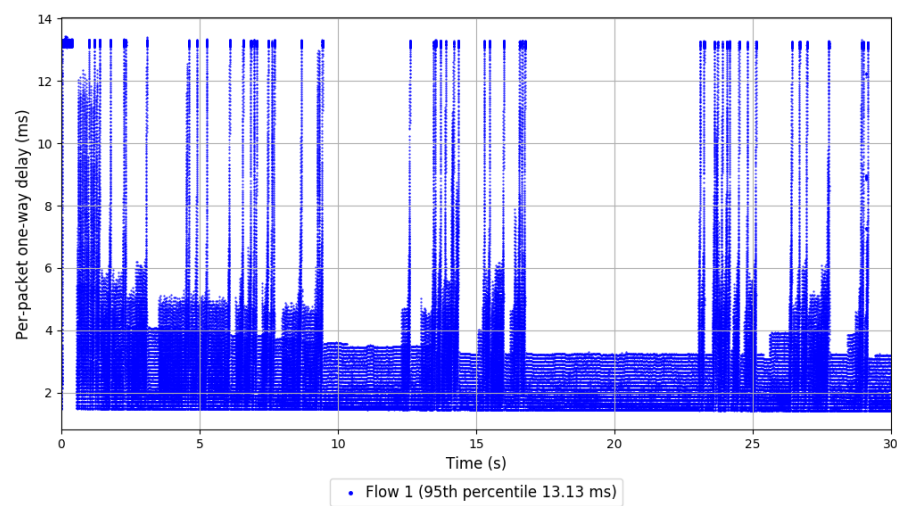
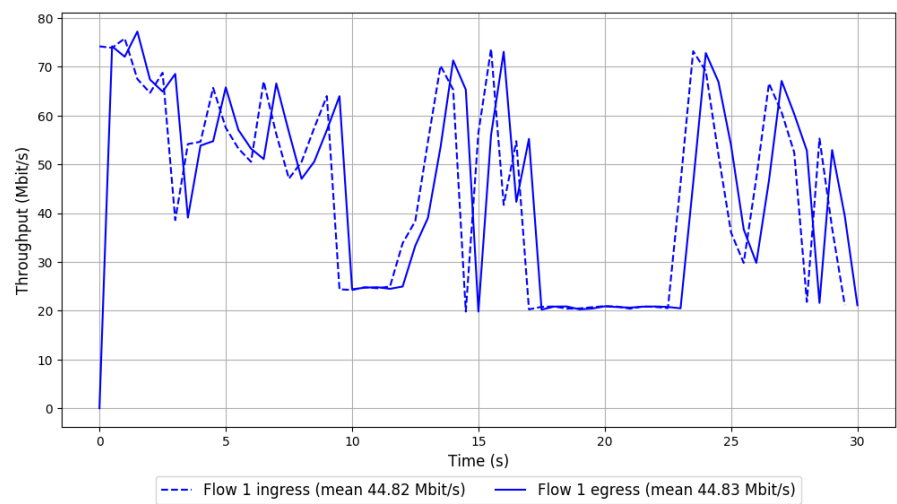


Run 10: Statistics of Verus

Start at: 2018-06-05 22:18:08
End at: 2018-06-05 22:18:38
Local clock offset: -2.289 ms
Remote clock offset: -6.992 ms

Below is generated by plot.py at 2018-06-05 22:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 13.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 13.134 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 19:36:12

End at: 2018-06-05 19:36:43

Local clock offset: -2.807 ms

Remote clock offset: -2.528 ms

Below is generated by plot.py at 2018-06-05 22:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.36 Mbit/s

95th percentile per-packet one-way delay: 4.199 ms

Loss rate: 0.01%

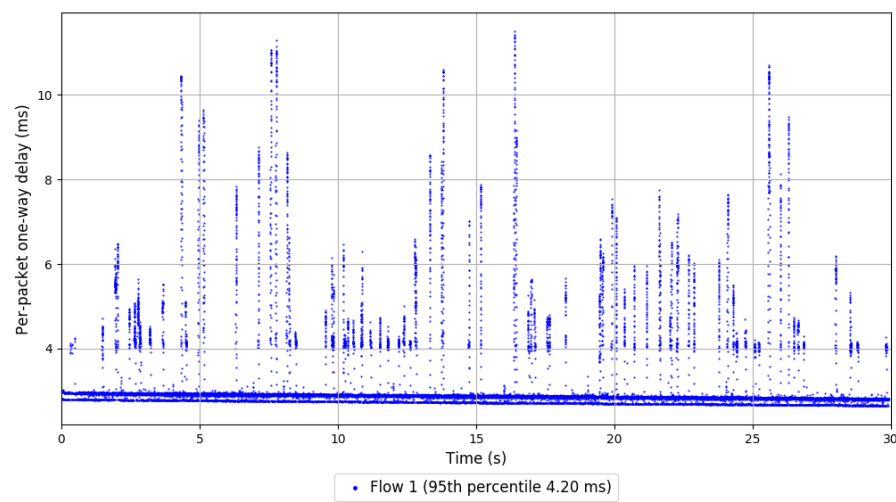
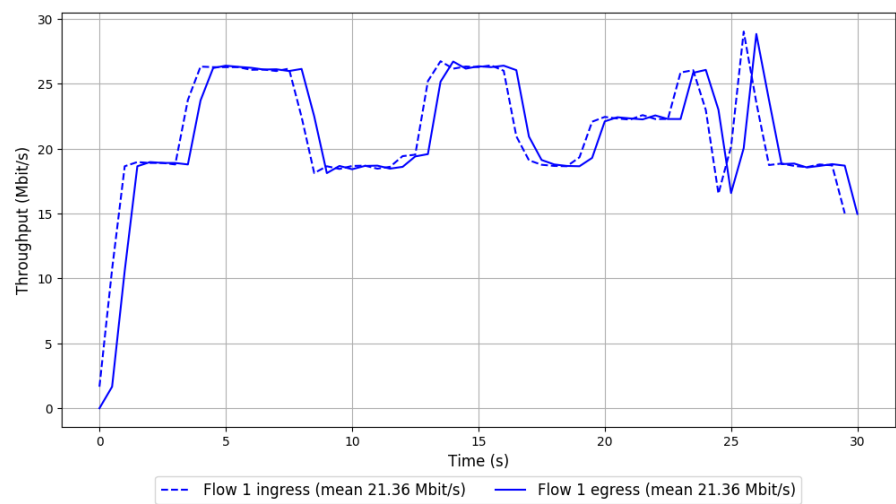
-- Flow 1:

Average throughput: 21.36 Mbit/s

95th percentile per-packet one-way delay: 4.199 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 19:54:03

End at: 2018-06-05 19:54:33

Local clock offset: 0.407 ms

Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-06-05 22:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 13.768 ms

Loss rate: 0.19%

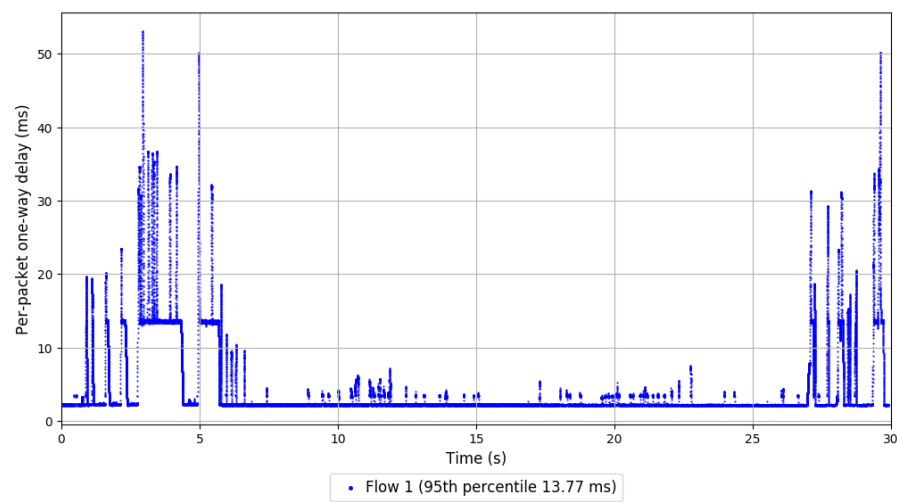
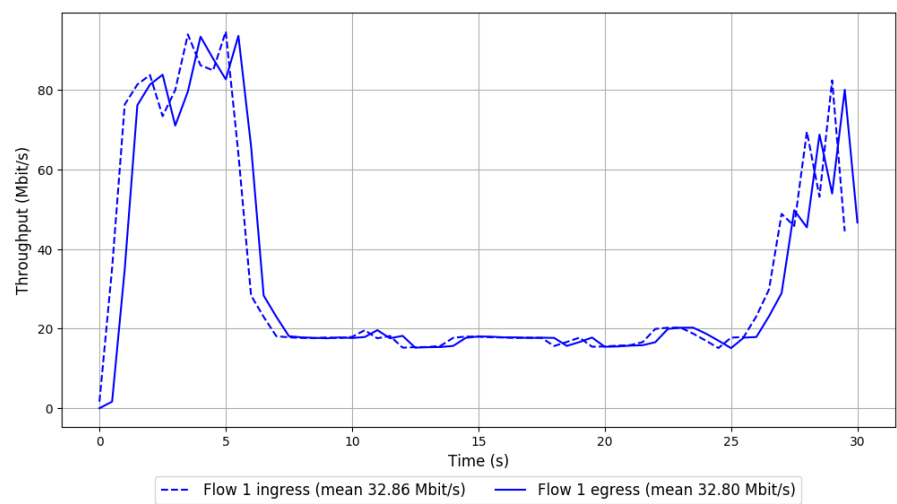
-- Flow 1:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 13.768 ms

Loss rate: 0.19%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 20:11:52

End at: 2018-06-05 20:12:22

Local clock offset: 2.757 ms

Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-06-05 22:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 14.362 ms

Loss rate: 0.11%

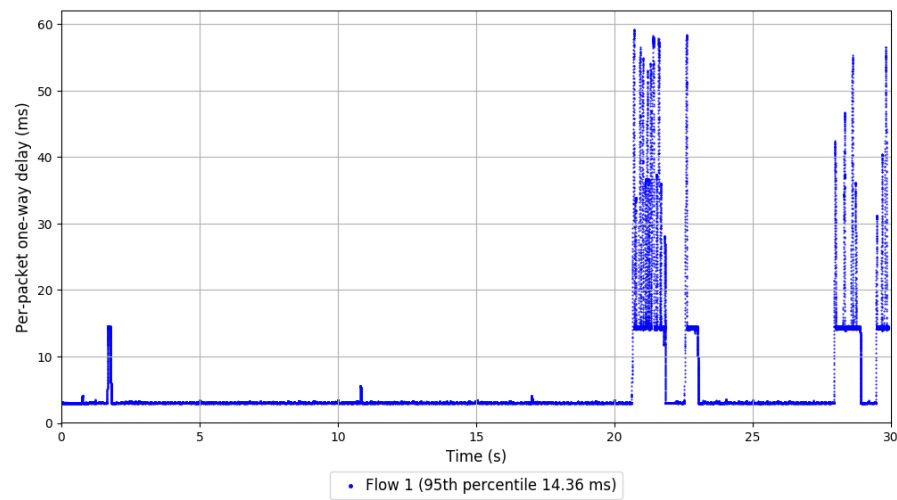
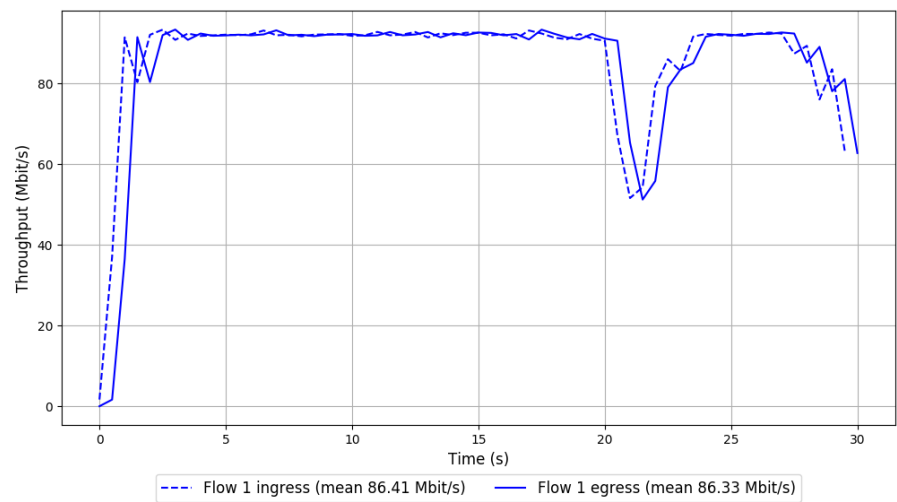
-- Flow 1:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 14.362 ms

Loss rate: 0.11%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 20:29:44

End at: 2018-06-05 20:30:14

Local clock offset: 3.315 ms

Remote clock offset: -3.025 ms

Below is generated by plot.py at 2018-06-05 22:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 2.193 ms

Loss rate: 0.01%

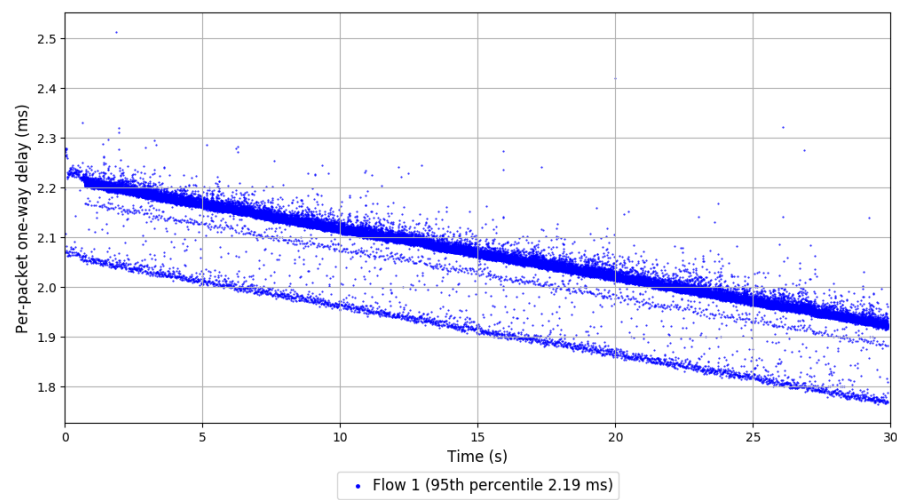
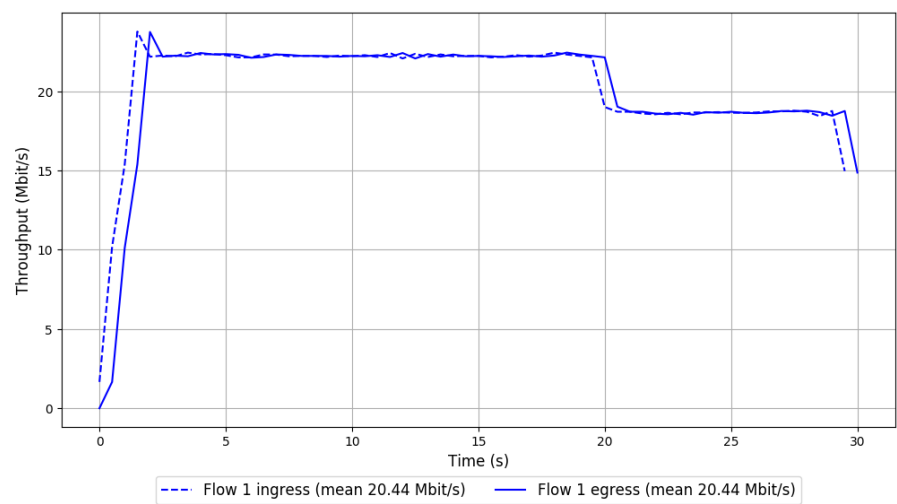
-- Flow 1:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 2.193 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

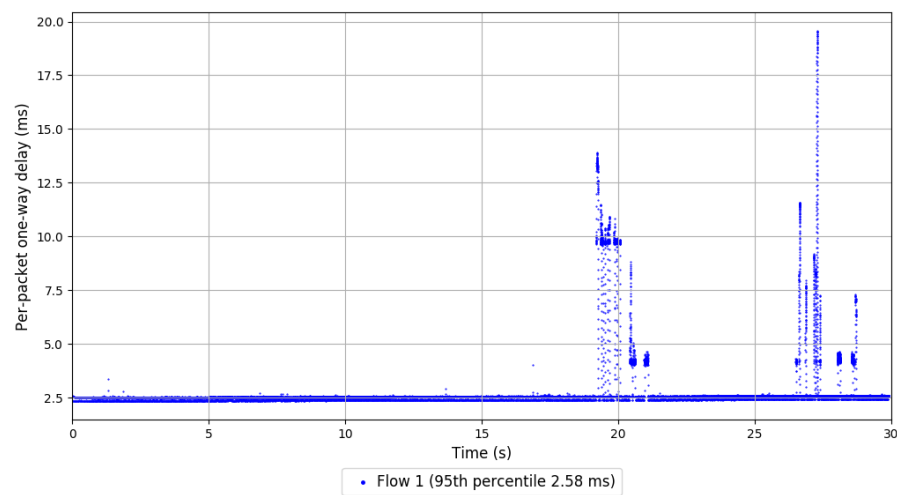
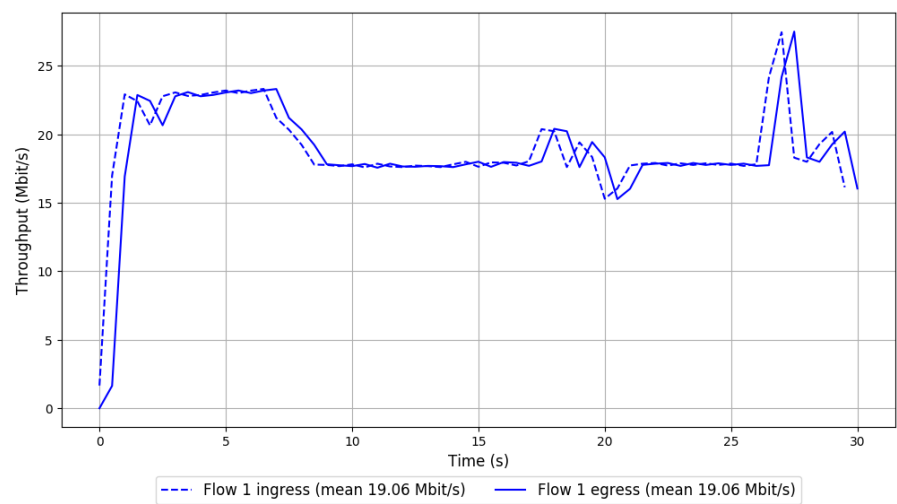


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 20:47:32
End at: 2018-06-05 20:48:02
Local clock offset: -4.214 ms
Remote clock offset: -7.748 ms

Below is generated by plot.py at 2018-06-05 22:52:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 21:05:22

End at: 2018-06-05 21:05:52

Local clock offset: -7.08 ms

Remote clock offset: -6.058 ms

Below is generated by plot.py at 2018-06-05 22:52:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 2.490 ms

Loss rate: 0.01%

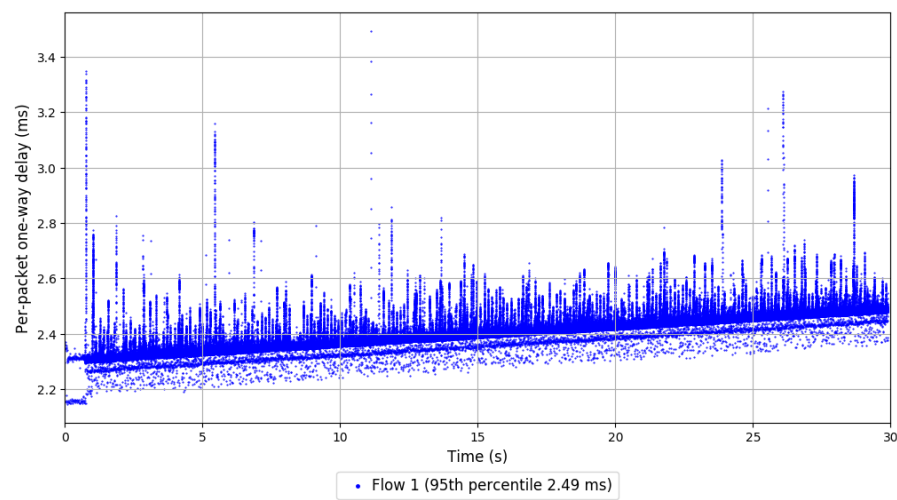
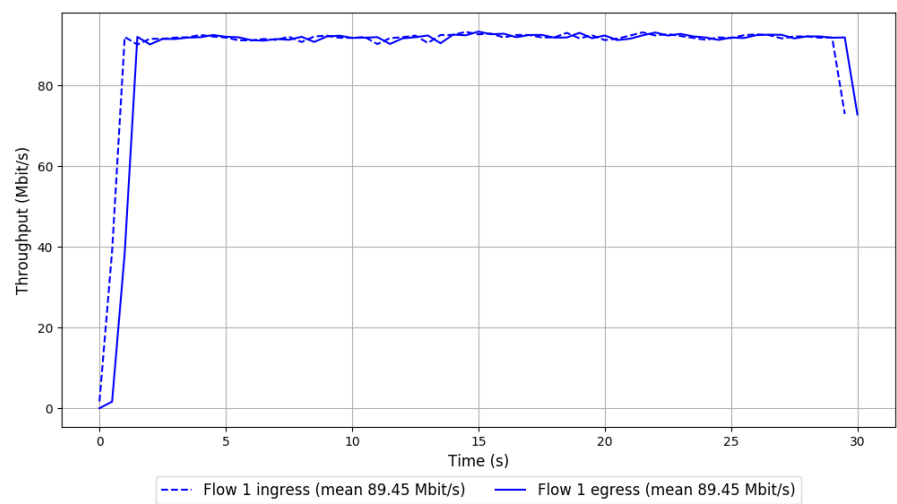
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 2.490 ms

Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link

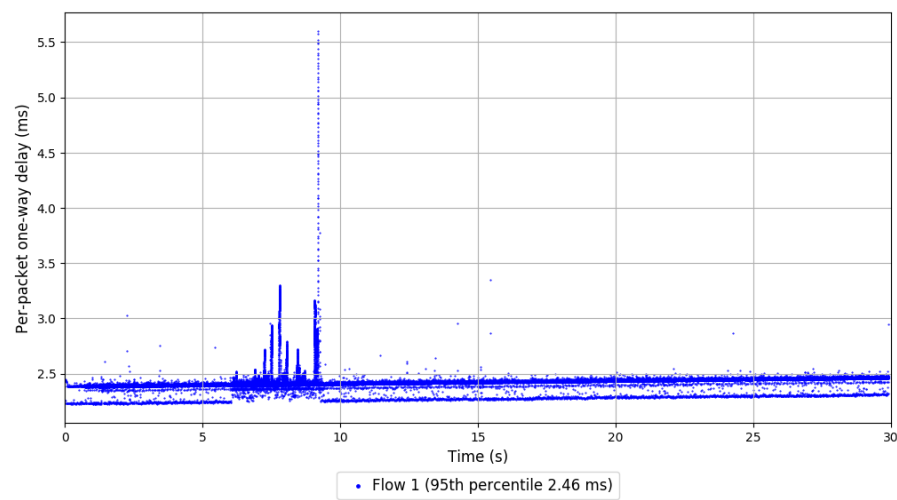
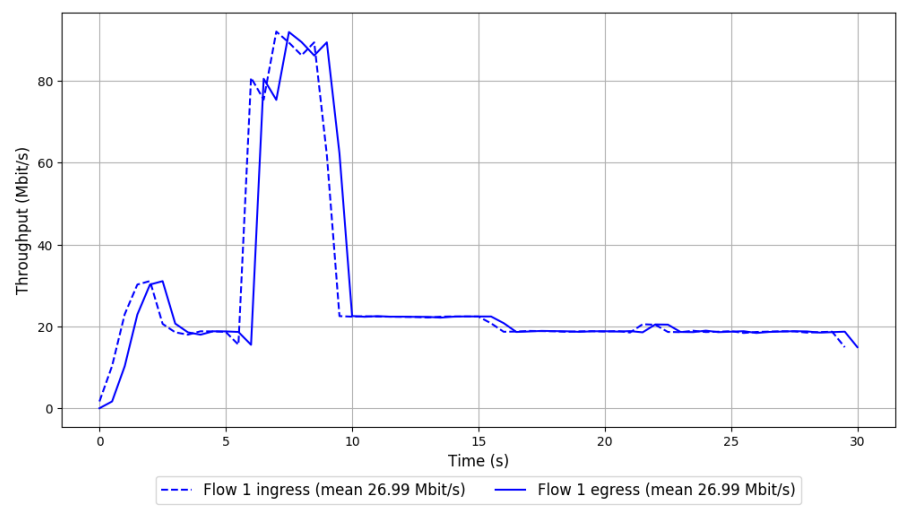


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 21:23:18
End at: 2018-06-05 21:23:48
Local clock offset: -6.774 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2018-06-05 22:52:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link

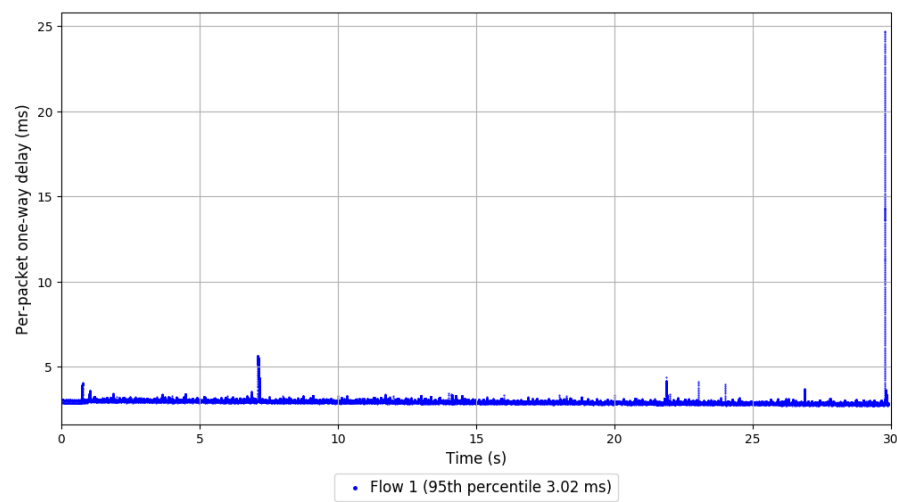
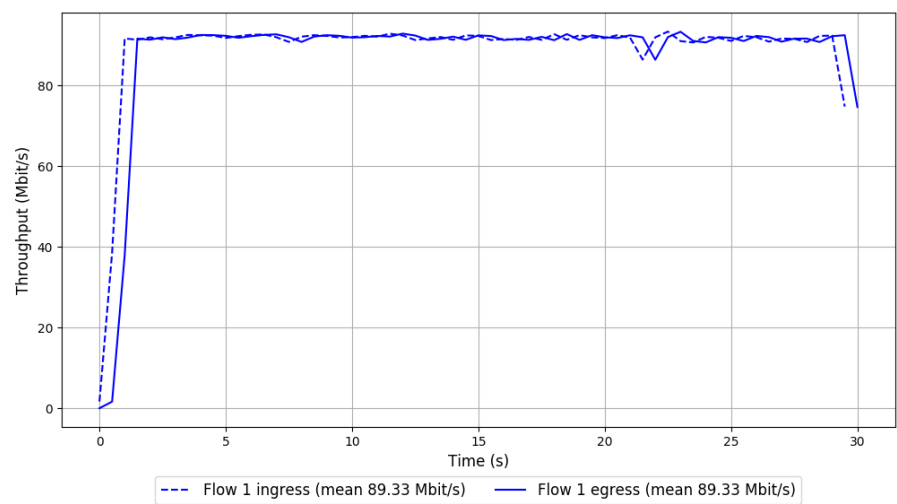


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 21:41:09
End at: 2018-06-05 21:41:39
Local clock offset: -5.613 ms
Remote clock offset: -3.769 ms

Below is generated by plot.py at 2018-06-05 22:53:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 21:59:05

End at: 2018-06-05 21:59:35

Local clock offset: -6.14 ms

Remote clock offset: -6.736 ms

Below is generated by plot.py at 2018-06-05 22:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 2.411 ms

Loss rate: 0.01%

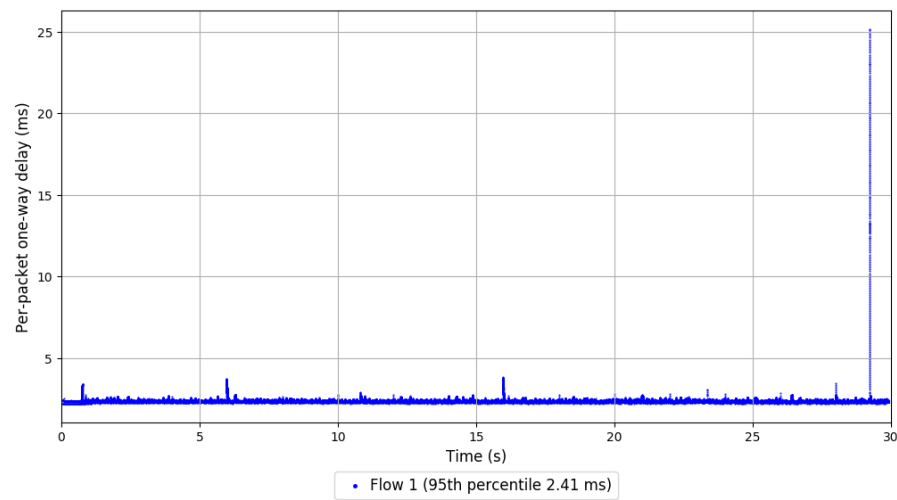
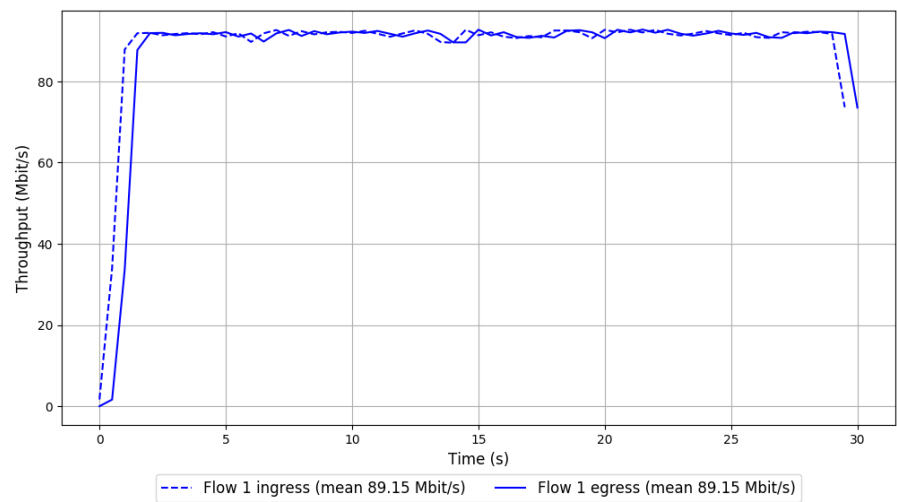
-- Flow 1:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 2.411 ms

Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 22:17:00

End at: 2018-06-05 22:17:30

Local clock offset: -0.9 ms

Remote clock offset: -7.075 ms

Below is generated by plot.py at 2018-06-05 22:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 3.368 ms

Loss rate: 0.01%

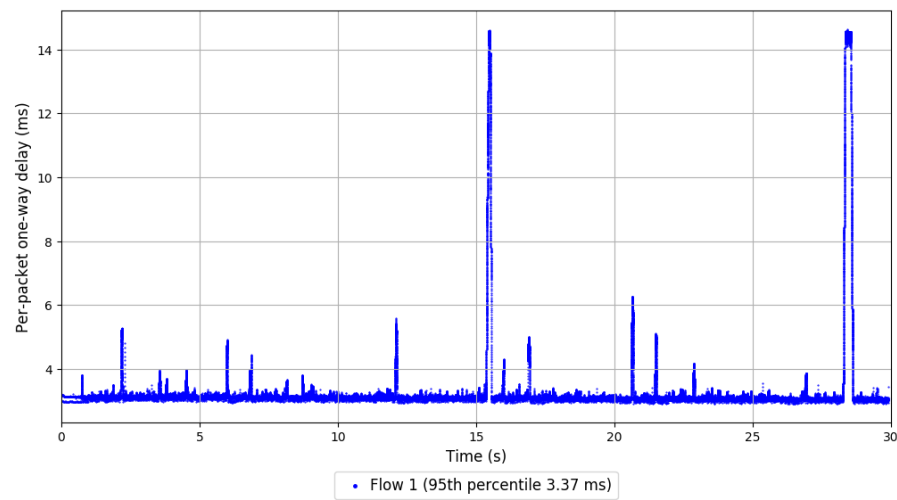
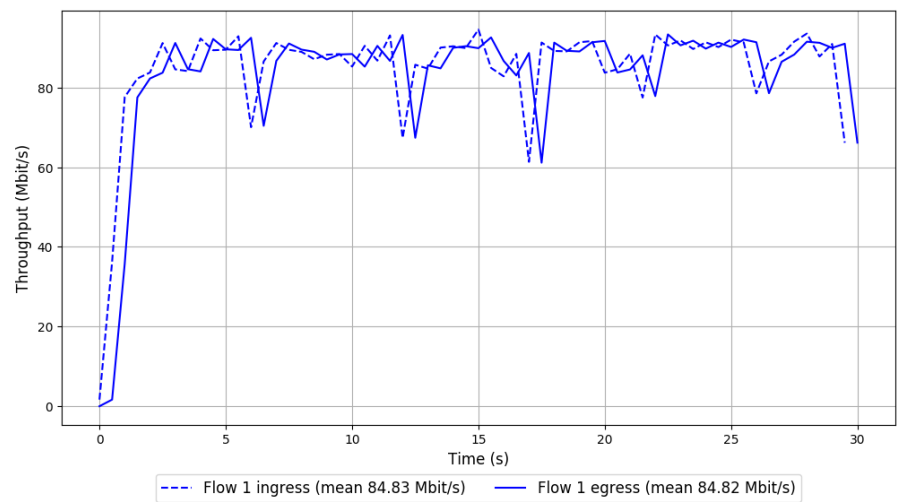
-- Flow 1:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 3.368 ms

Loss rate: 0.01%

Run 10: Report of PCC-Vivace — Data Link

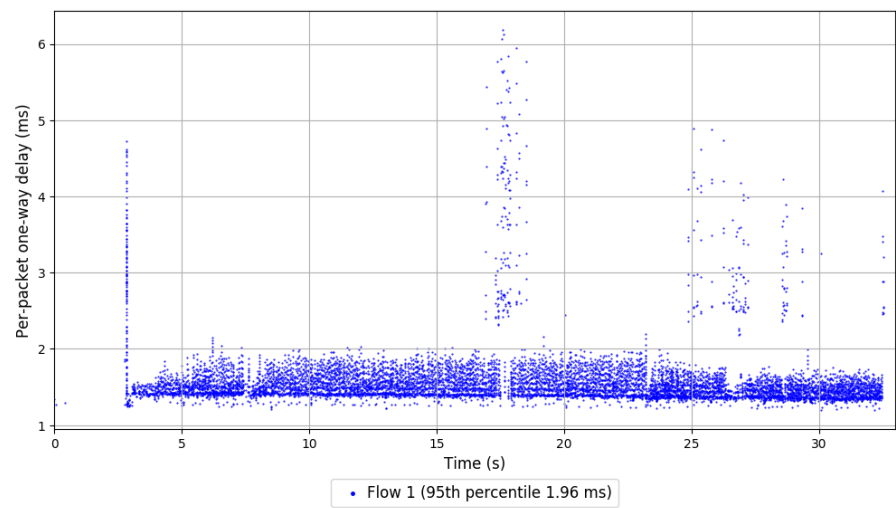
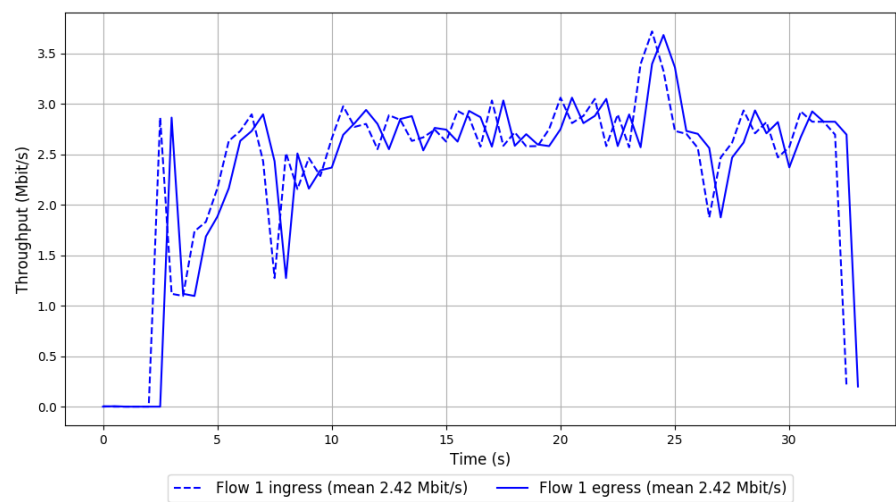


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 19:43:56
End at: 2018-06-05 19:44:26
Local clock offset: -2.013 ms
Remote clock offset: -1.808 ms

# Below is generated by plot.py at 2018-06-05 22:53:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.958 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

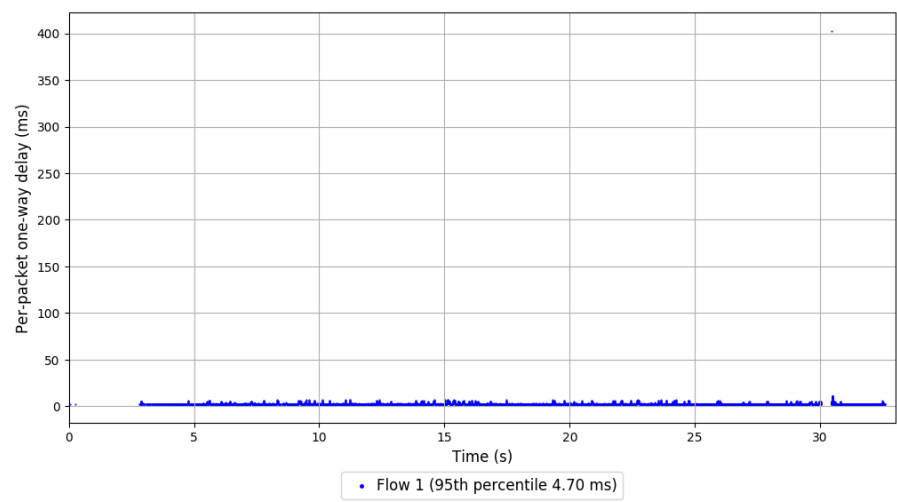
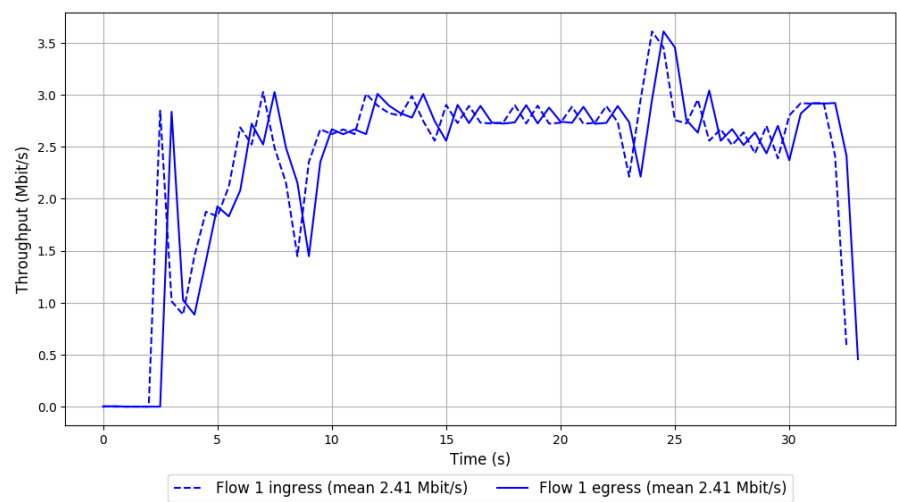


Run 2: Statistics of WebRTC media

Start at: 2018-06-05 20:01:48
End at: 2018-06-05 20:02:18
Local clock offset: 1.162 ms
Remote clock offset: -1.527 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 4.704 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 4.704 ms
Loss rate: 0.08%

Run 2: Report of WebRTC media — Data Link

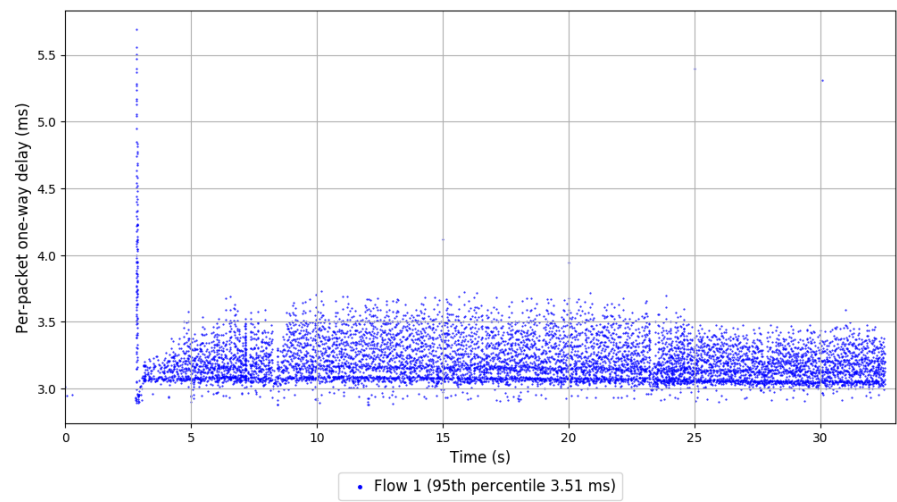
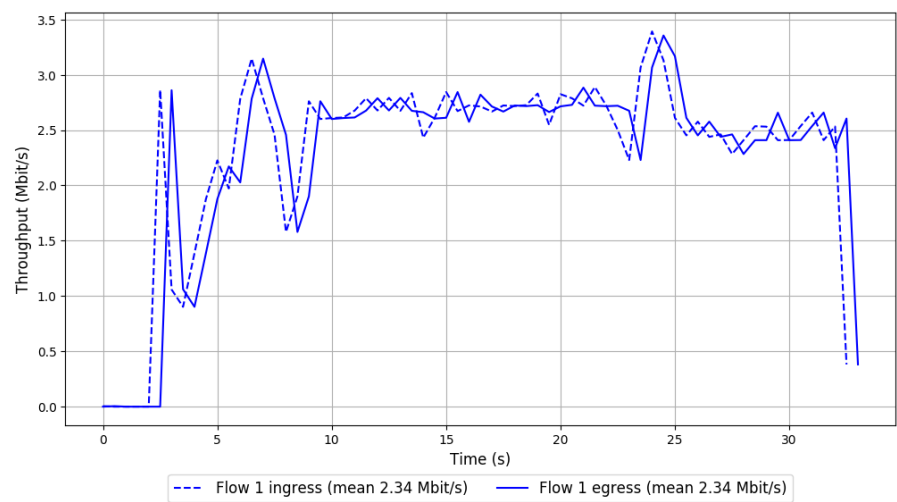


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 20:19:38
End at: 2018-06-05 20:20:08
Local clock offset: 3.339 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.509 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

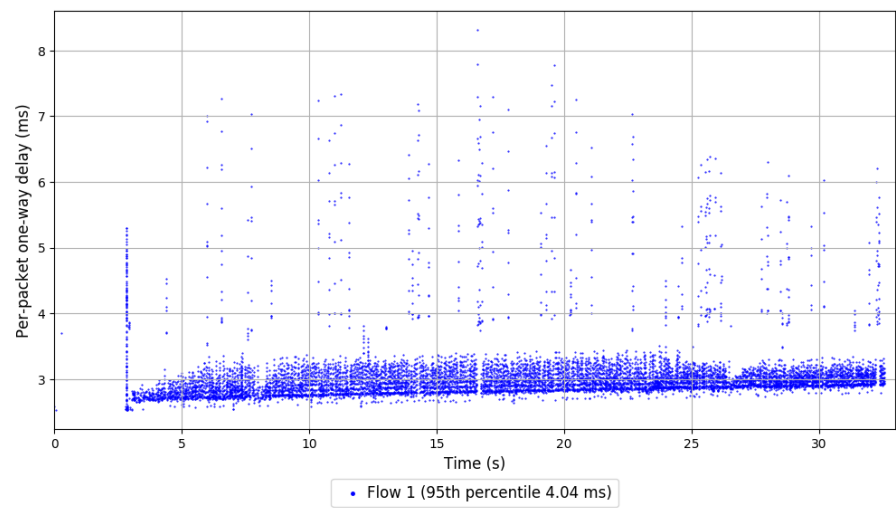
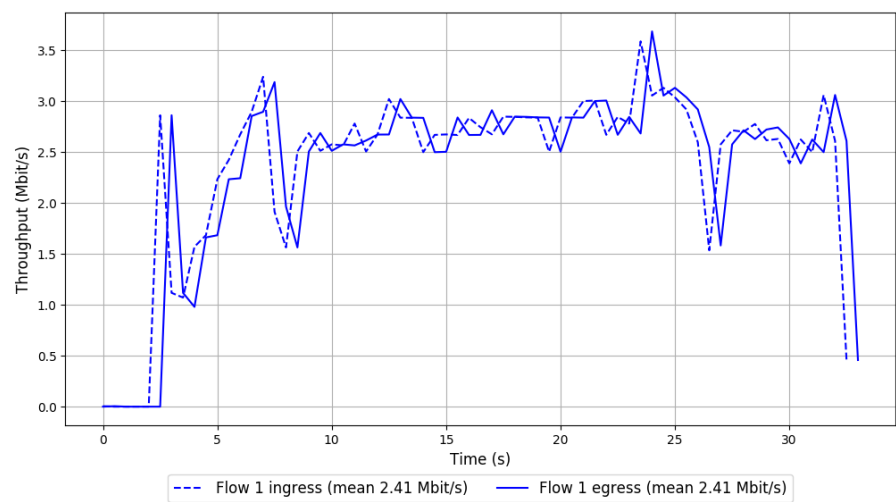


Run 4: Statistics of WebRTC media

Start at: 2018-06-05 20:37:25
End at: 2018-06-05 20:37:55
Local clock offset: 0.672 ms
Remote clock offset: -5.947 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 4.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 4.037 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-05 20:55:14

End at: 2018-06-05 20:55:44

Local clock offset: -5.205 ms

Remote clock offset: -8.57 ms

Below is generated by plot.py at 2018-06-05 22:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 3.640 ms

Loss rate: 0.00%

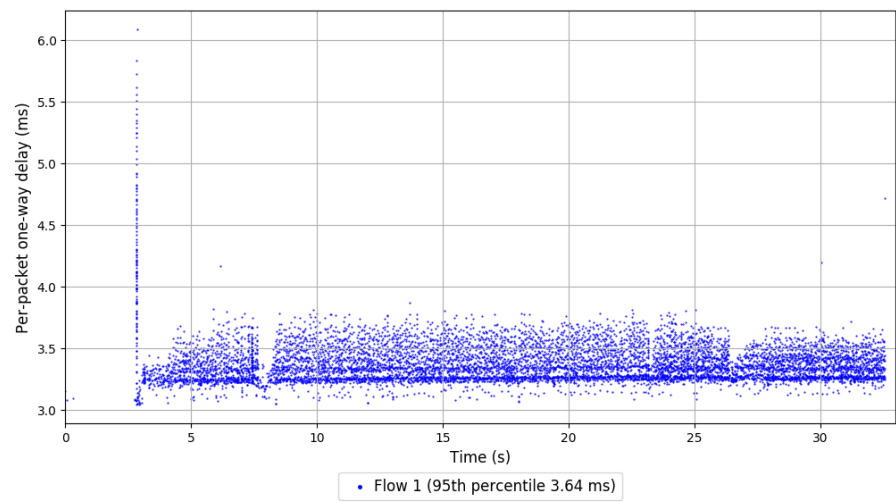
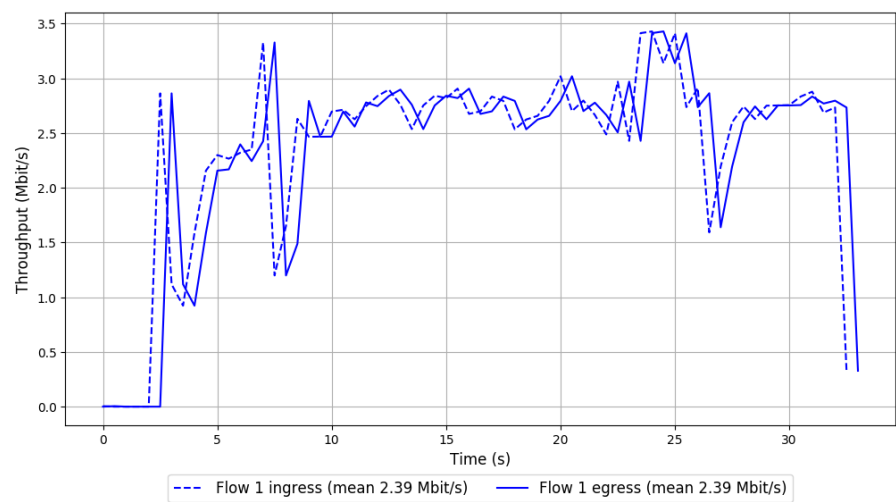
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 3.640 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

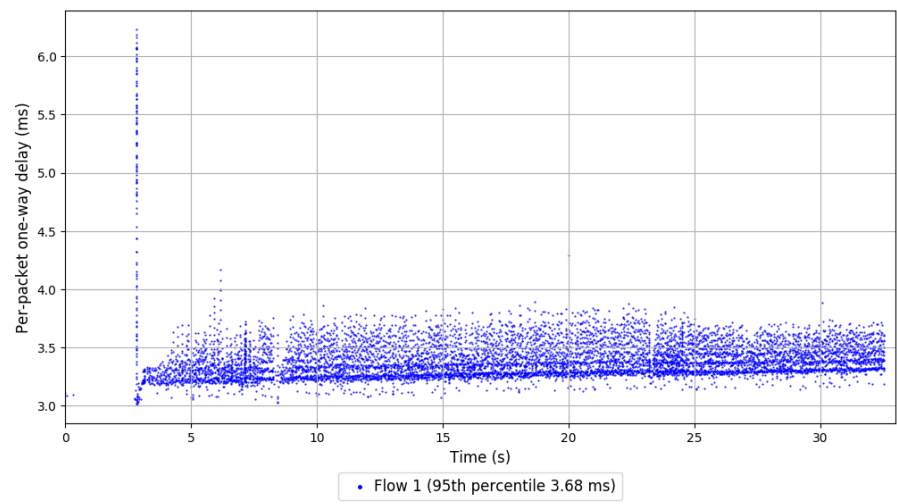
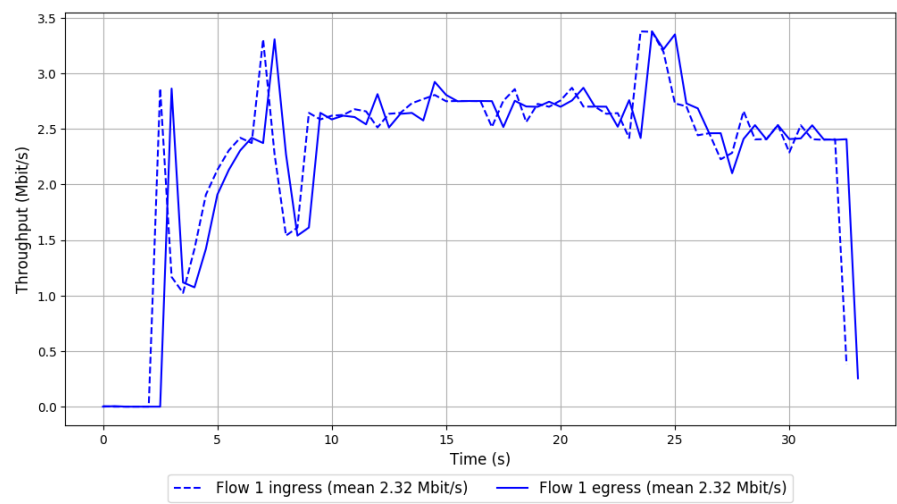


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 21:13:10
End at: 2018-06-05 21:13:40
Local clock offset: -5.835 ms
Remote clock offset: -3.382 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.680 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.680 ms
Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link

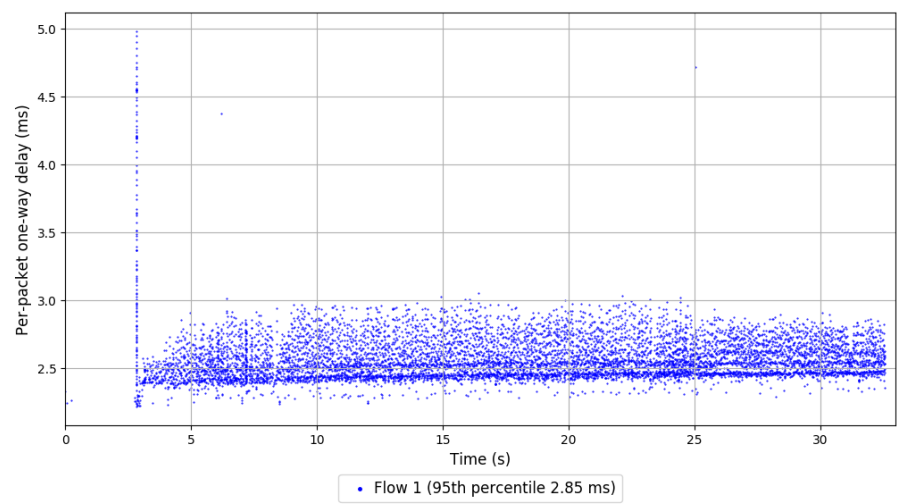
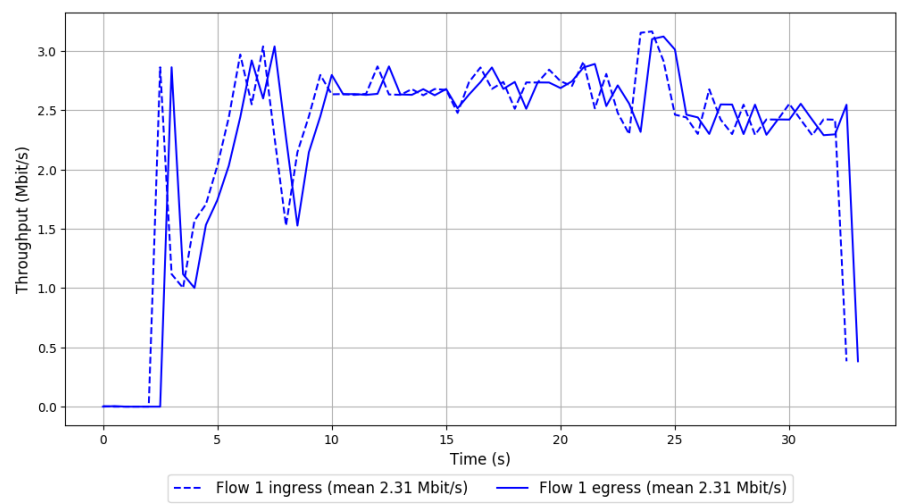


Run 7: Statistics of WebRTC media

Start at: 2018-06-05 21:31:02
End at: 2018-06-05 21:31:32
Local clock offset: -7.155 ms
Remote clock offset: -0.809 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 2.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 2.845 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

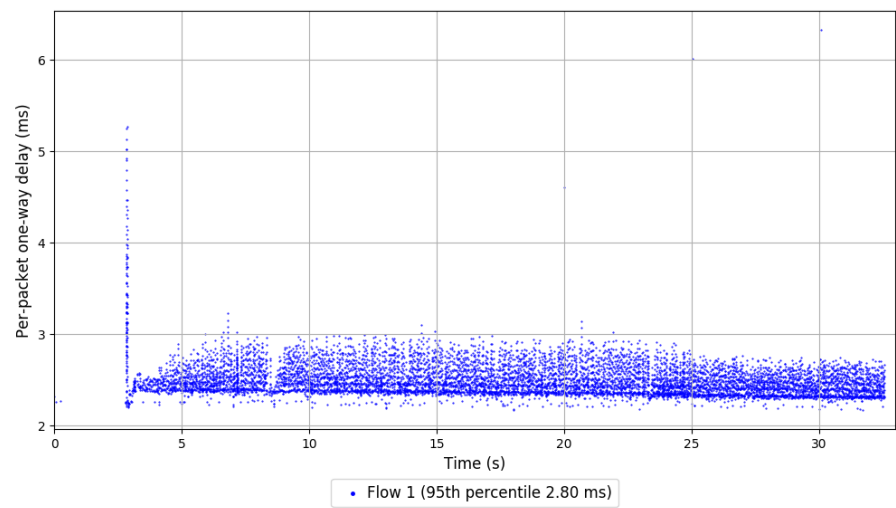
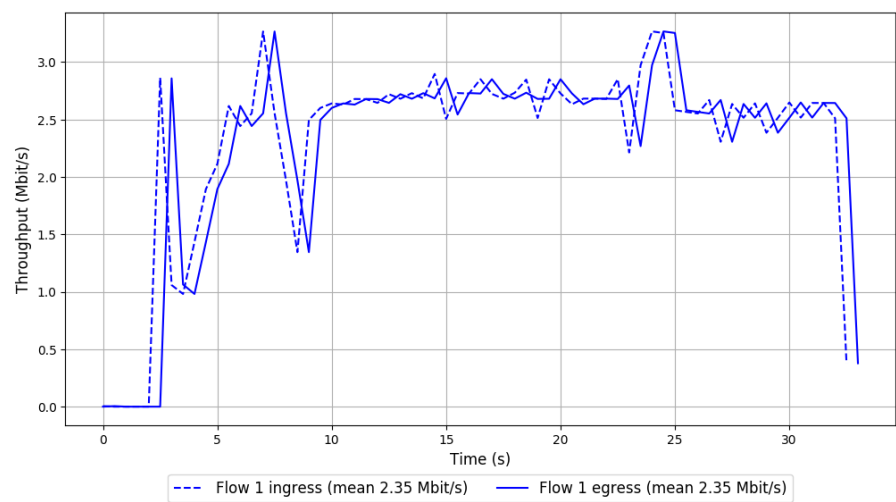


Run 8: Statistics of WebRTC media

Start at: 2018-06-05 21:48:57
End at: 2018-06-05 21:49:27
Local clock offset: -6.044 ms
Remote clock offset: -5.702 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.804 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

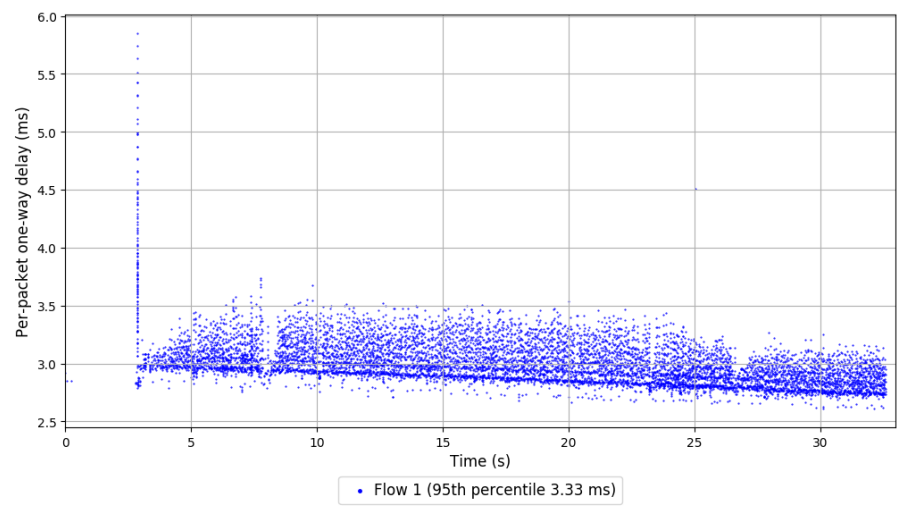
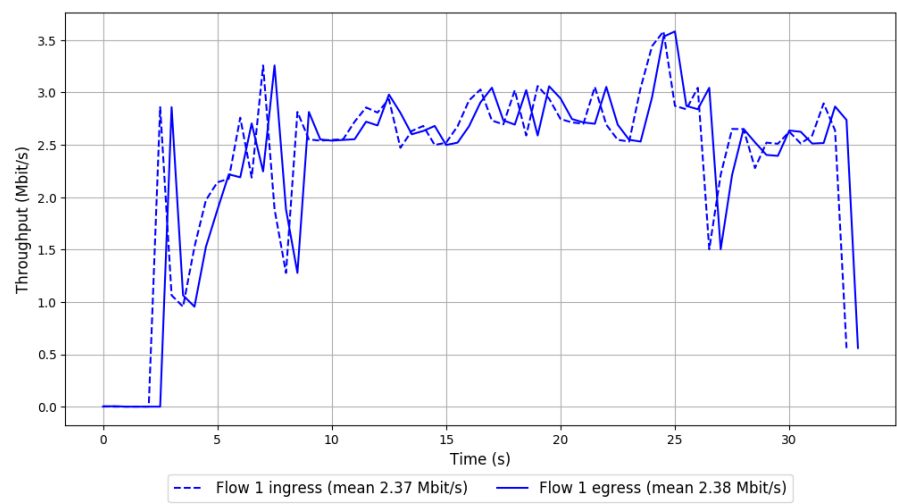


Run 9: Statistics of WebRTC media

Start at: 2018-06-05 22:06:52
End at: 2018-06-05 22:07:22
Local clock offset: -3.895 ms
Remote clock offset: -7.091 ms

Below is generated by plot.py at 2018-06-05 22:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 22:24:46

End at: 2018-06-05 22:25:16

Local clock offset: -0.637 ms

Remote clock offset: -7.025 ms

Below is generated by plot.py at 2018-06-05 22:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 2.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 2.837 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

