

Pantheon Report

Generated at 2018-08-01 03:29:39 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

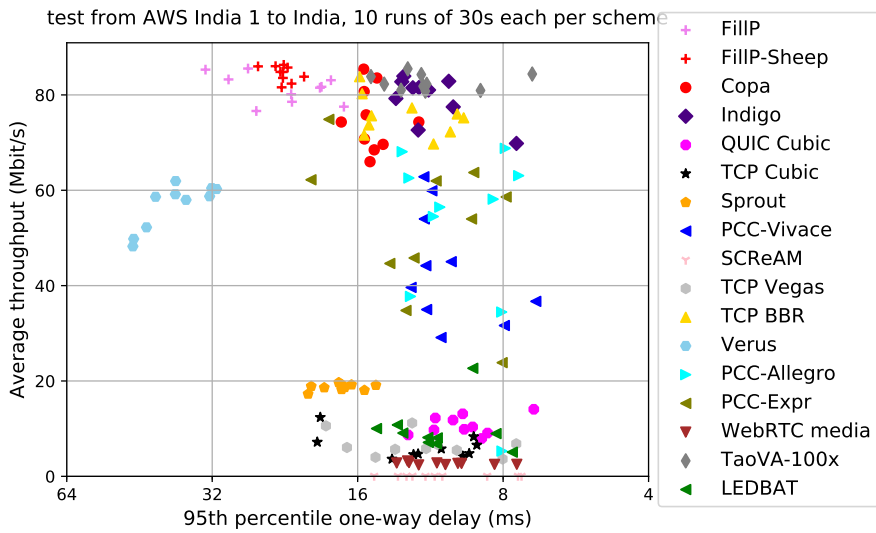
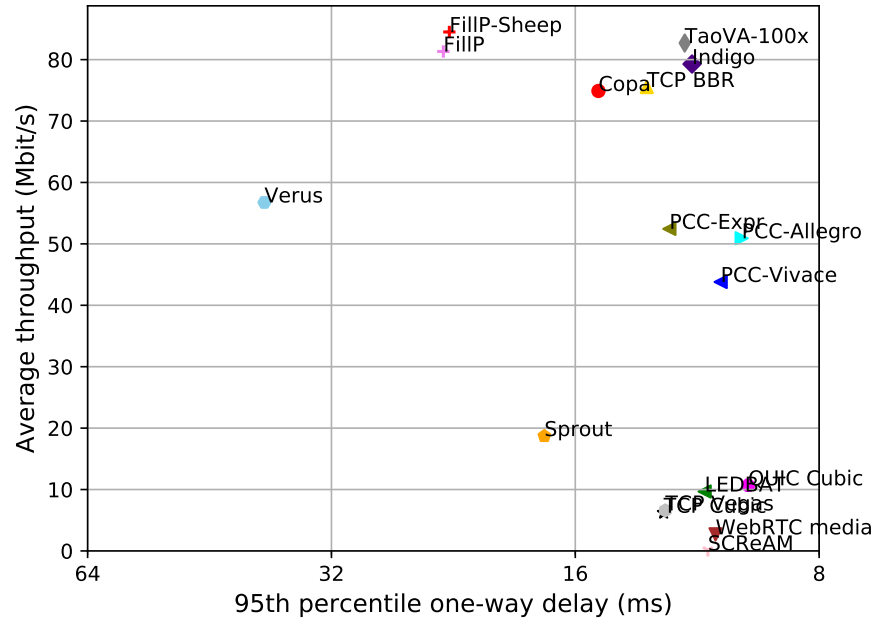
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	75.54	13.06	11.91
Copa	10	74.90	14.98	13.42
TCP Cubic	10	6.22	12.45	2.25
FillP	10	81.32	23.28	13.39
FillP-Sheep	10	84.50	22.89	13.75
Indigo	10	79.28	11.48	10.61
LEDBAT	10	9.67	11.08	1.94
PCC-Allegro	10	50.91	9.97	8.03
PCC-Expr	10	52.44	12.25	8.61
QUIC Cubic	10	10.69	9.79	3.36
SCReAM	10	0.10	10.98	2.51
Sprout	10	18.70	17.47	5.55
TaoVA-100x	10	82.70	11.72	11.20
TCP Vegas	10	6.60	12.39	2.51
Verus	10	56.74	38.72	28.49
PCC-Vivace	10	43.80	10.58	7.76
WebRTC media	10	2.70	10.74	2.63

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 00:12:54

End at: 2018-08-01 00:13:24

Local clock offset: 3.268 ms

Remote clock offset: -6.786 ms

Below is generated by plot.py at 2018-08-01 03:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 15.850 ms

Loss rate: 9.56%

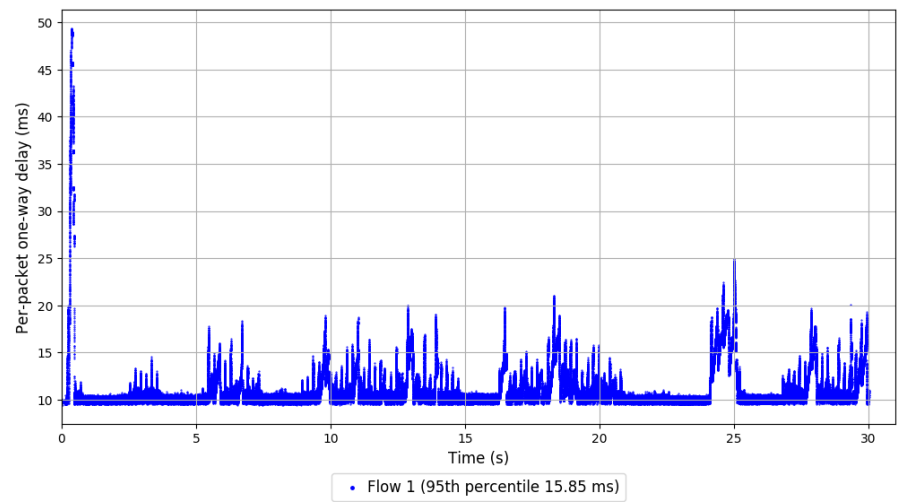
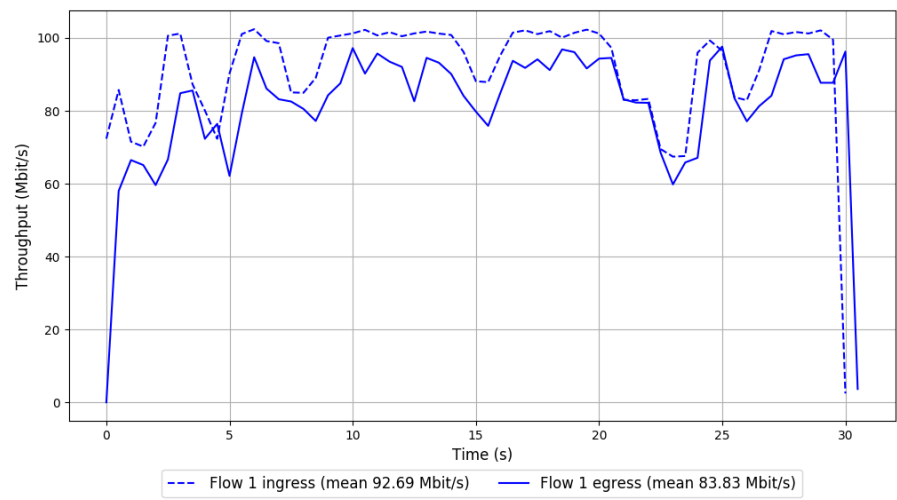
-- Flow 1:

Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 15.850 ms

Loss rate: 9.56%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 00:31:54

End at: 2018-08-01 00:32:24

Local clock offset: 0.049 ms

Remote clock offset: -4.587 ms

Below is generated by plot.py at 2018-08-01 03:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 15.663 ms

Loss rate: 11.94%

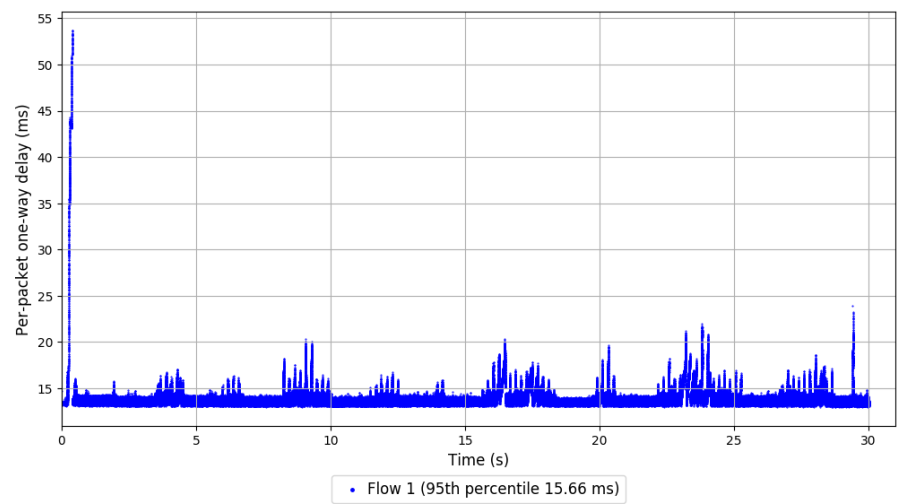
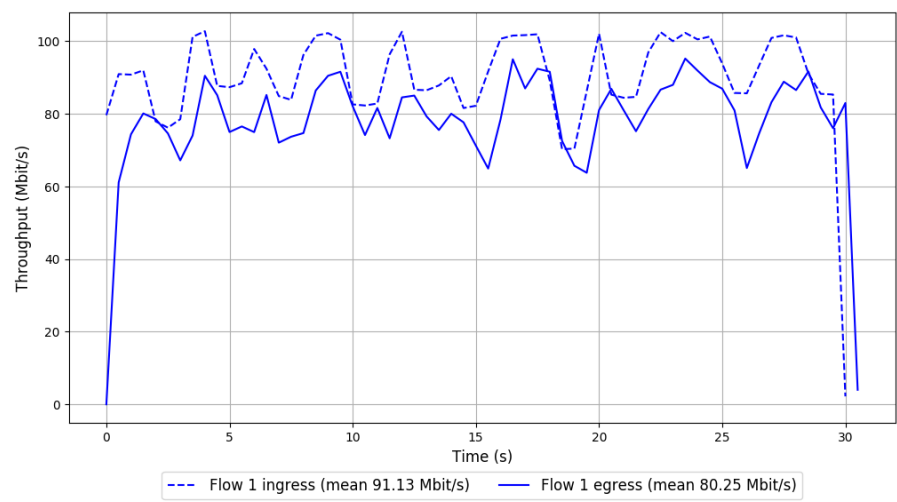
-- Flow 1:

Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 15.663 ms

Loss rate: 11.94%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-01 00:51:23

End at: 2018-08-01 00:51:53

Local clock offset: 2.334 ms

Remote clock offset: -6.377 ms

Below is generated by plot.py at 2018-08-01 03:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.20 Mbit/s

95th percentile per-packet one-way delay: 9.655 ms

Loss rate: 12.55%

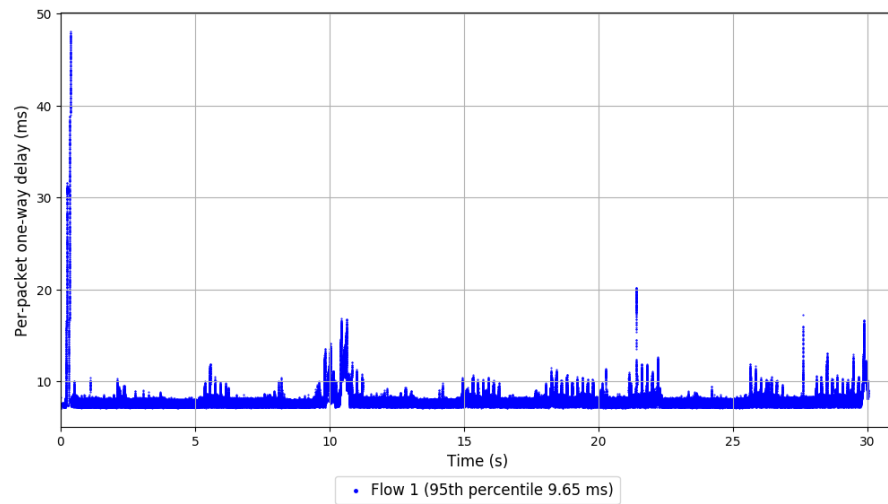
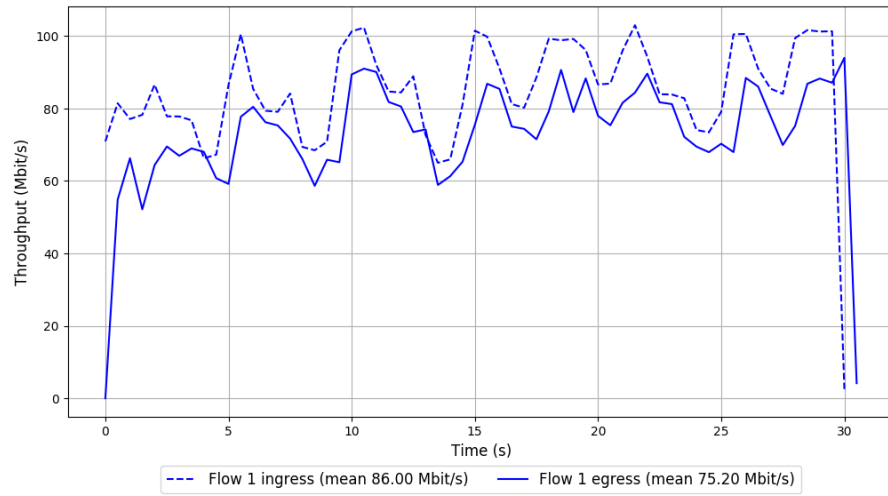
-- Flow 1:

Average throughput: 75.20 Mbit/s

95th percentile per-packet one-way delay: 9.655 ms

Loss rate: 12.55%

Run 3: Report of TCP BBR — Data Link

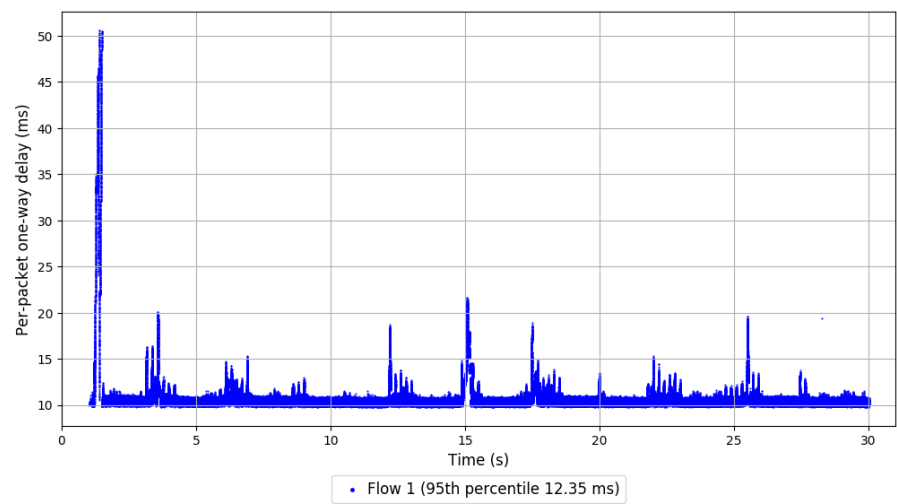
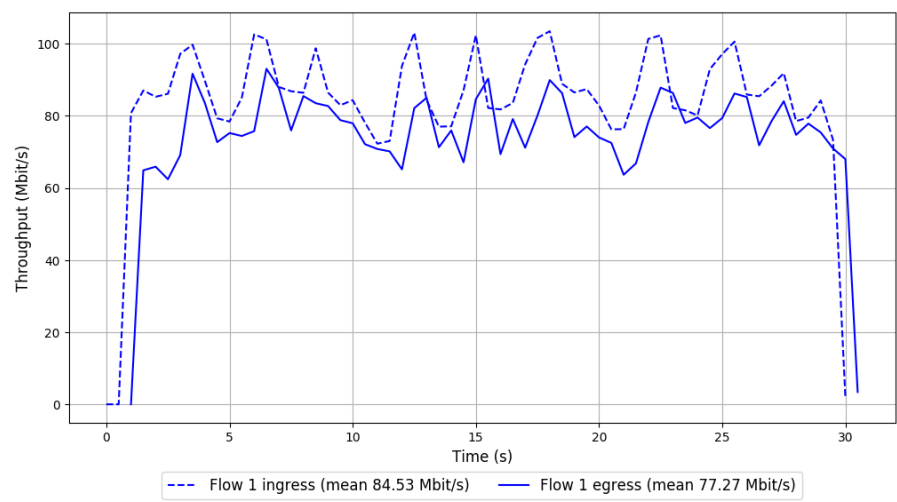


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 01:10:44
End at: 2018-08-01 01:11:14
Local clock offset: 1.22 ms
Remote clock offset: -2.888 ms

Below is generated by plot.py at 2018-08-01 03:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 12.353 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 12.353 ms
Loss rate: 11.66%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-01 01:29:40

End at: 2018-08-01 01:30:10

Local clock offset: -1.032 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-08-01 03:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.71 Mbit/s

95th percentile per-packet one-way delay: 15.167 ms

Loss rate: 11.09%

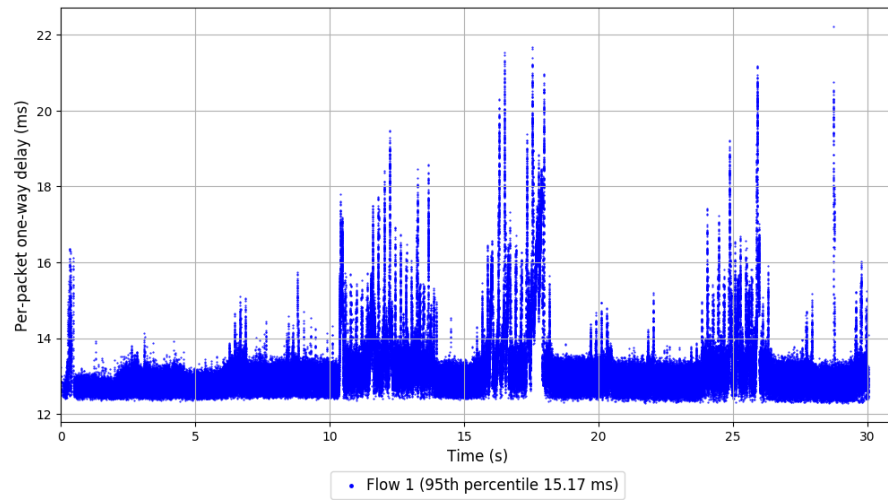
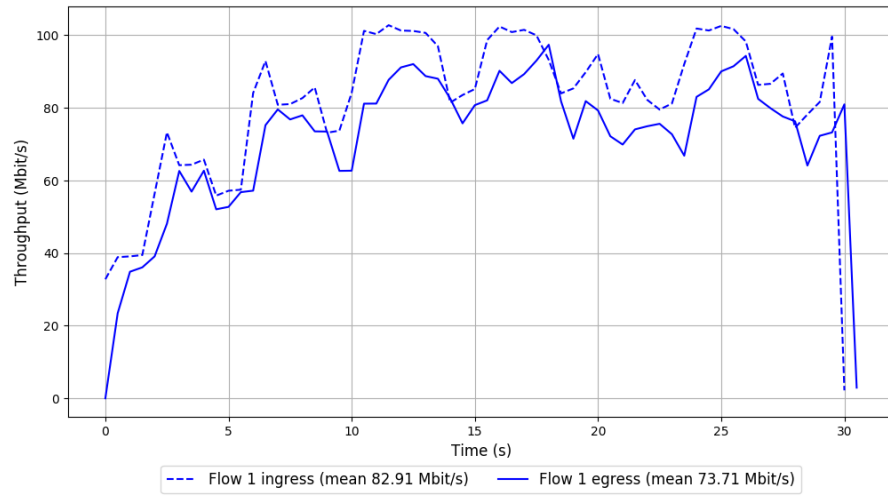
-- Flow 1:

Average throughput: 73.71 Mbit/s

95th percentile per-packet one-way delay: 15.167 ms

Loss rate: 11.09%

Run 5: Report of TCP BBR — Data Link

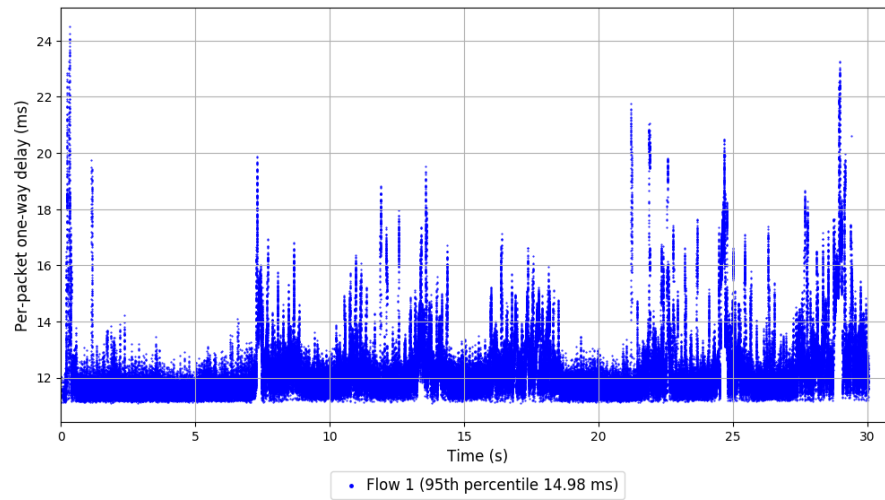
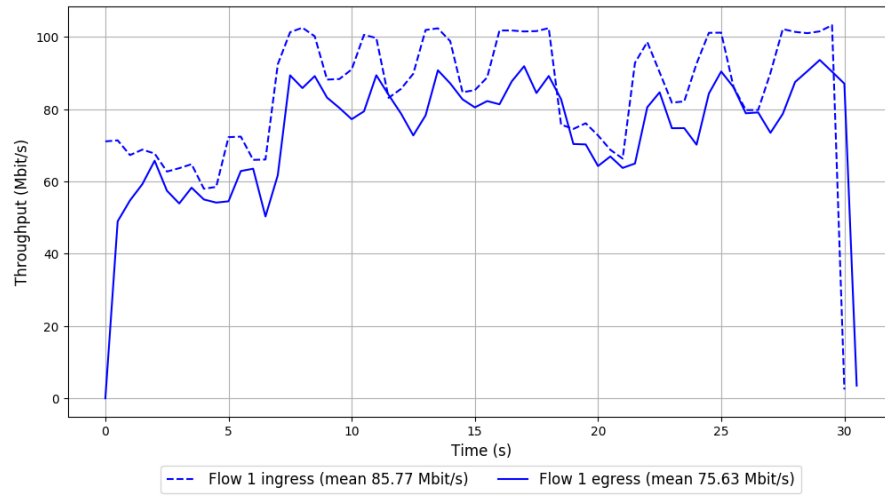


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 01:48:34
End at: 2018-08-01 01:49:04
Local clock offset: -2.469 ms
Remote clock offset: -6.746 ms

Below is generated by plot.py at 2018-08-01 03:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 14.983 ms
Loss rate: 11.83%
-- Flow 1:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 14.983 ms
Loss rate: 11.83%

Run 6: Report of TCP BBR — Data Link

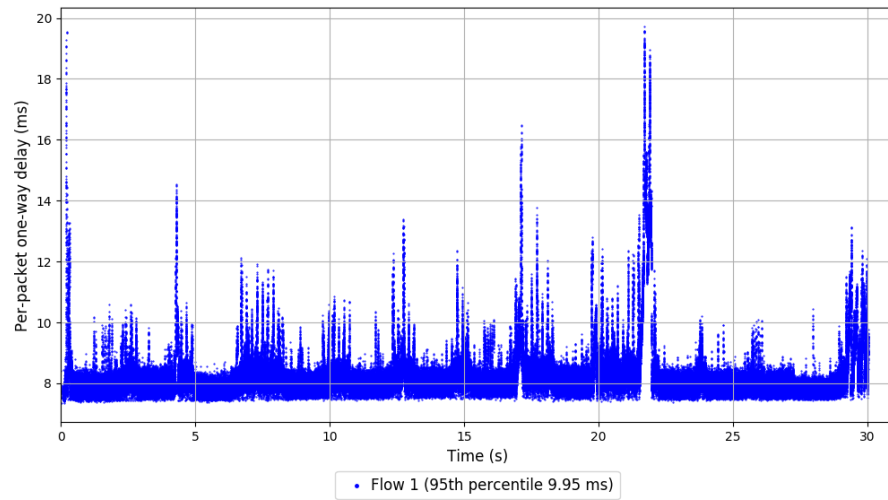
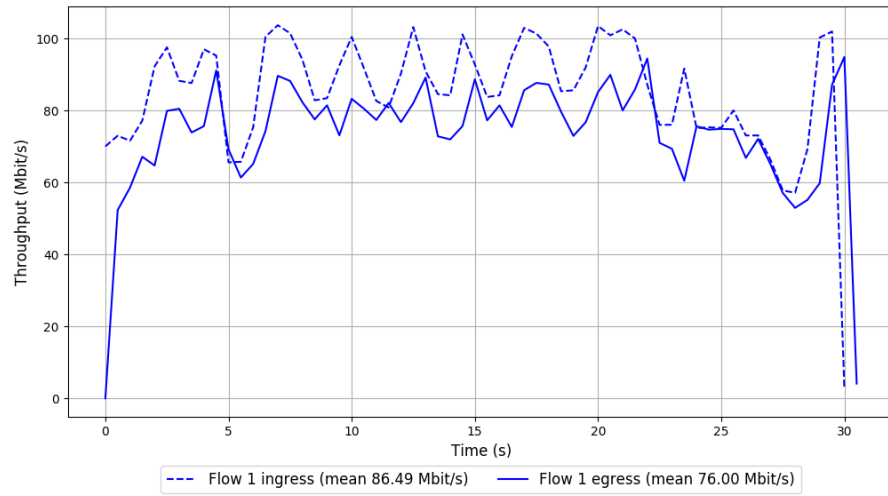


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 02:07:29
End at: 2018-08-01 02:07:59
Local clock offset: 1.853 ms
Remote clock offset: -10.333 ms

Below is generated by plot.py at 2018-08-01 03:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 9.953 ms
Loss rate: 12.13%
-- Flow 1:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 9.953 ms
Loss rate: 12.13%

Run 7: Report of TCP BBR — Data Link

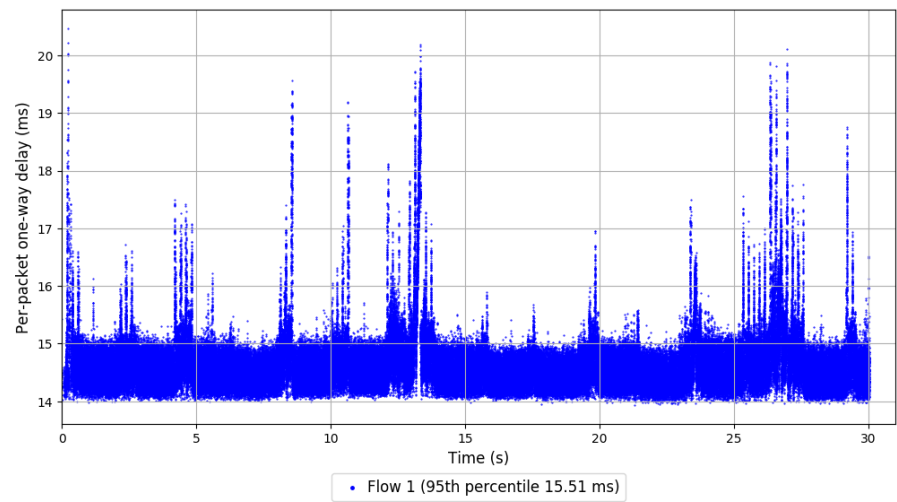
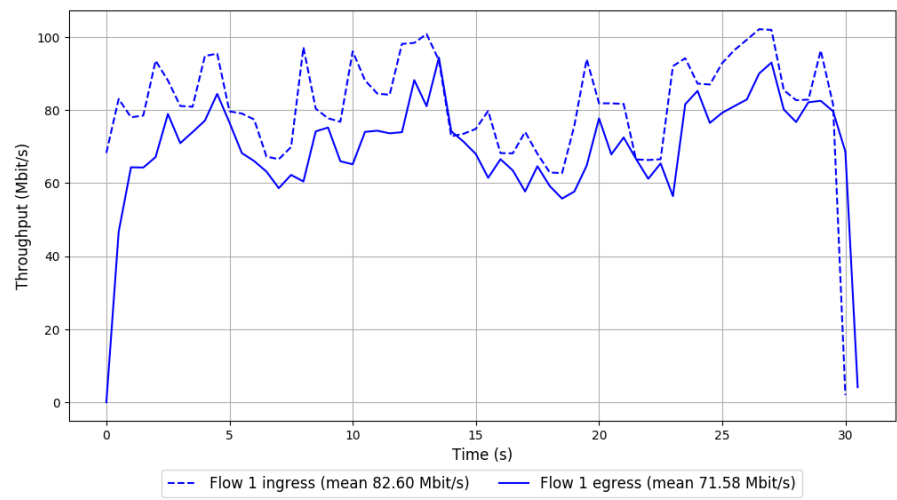


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 02:26:30
End at: 2018-08-01 02:27:00
Local clock offset: -1.146 ms
Remote clock offset: -8.793 ms

Below is generated by plot.py at 2018-08-01 03:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 15.513 ms
Loss rate: 13.33%
-- Flow 1:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 15.513 ms
Loss rate: 13.33%

Run 8: Report of TCP BBR — Data Link

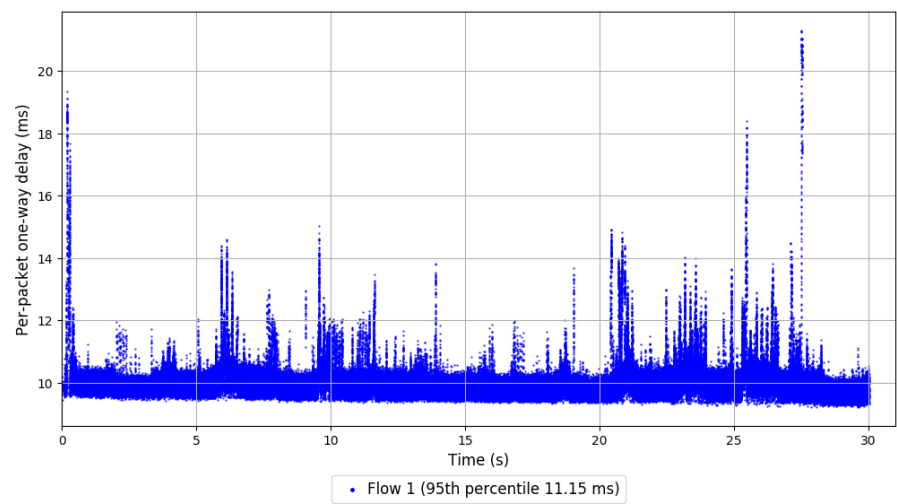
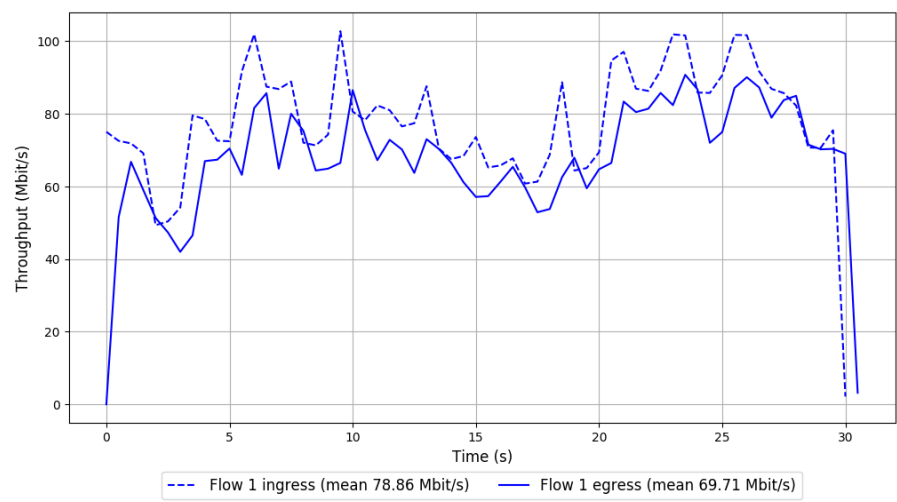


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 02:45:33
End at: 2018-08-01 02:46:03
Local clock offset: -1.349 ms
Remote clock offset: -7.573 ms

Below is generated by plot.py at 2018-08-01 03:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 11.146 ms
Loss rate: 11.60%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 11.146 ms
Loss rate: 11.60%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 03:04:35

End at: 2018-08-01 03:05:05

Local clock offset: 2.233 ms

Remote clock offset: -1.627 ms

Below is generated by plot.py at 2018-08-01 03:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 10.287 ms

Loss rate: 13.43%

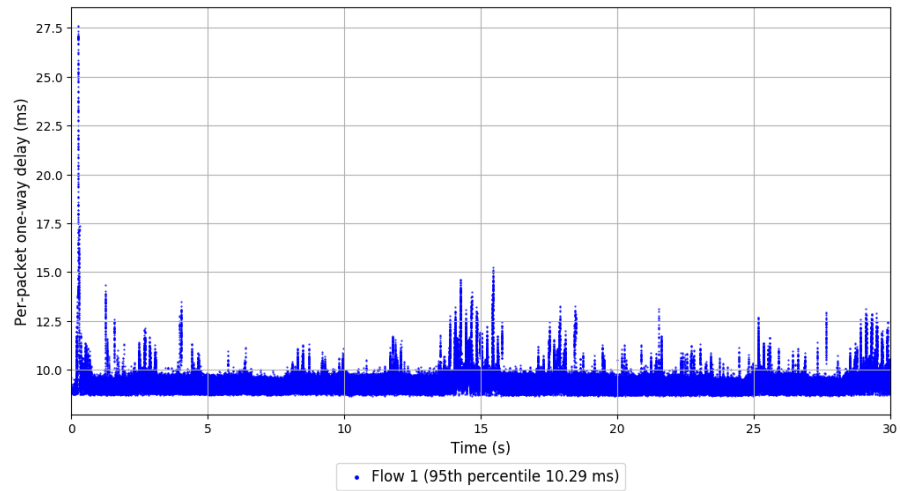
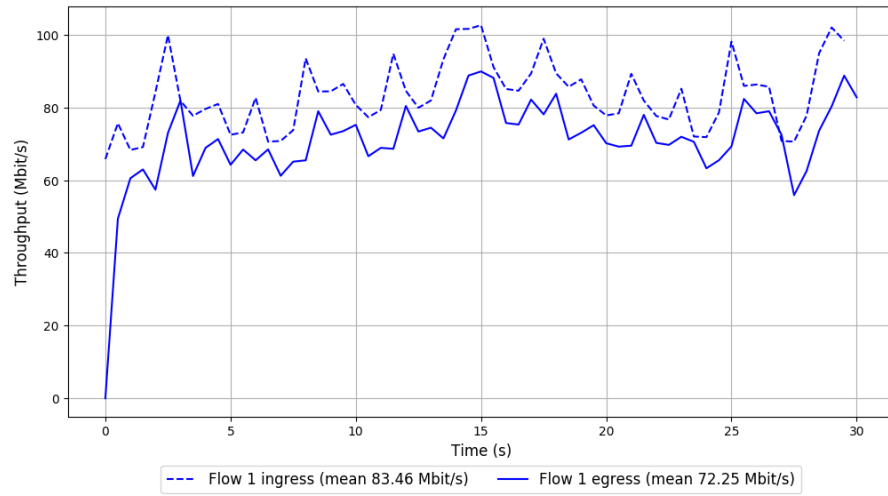
-- Flow 1:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 10.287 ms

Loss rate: 13.43%

Run 10: Report of TCP BBR — Data Link

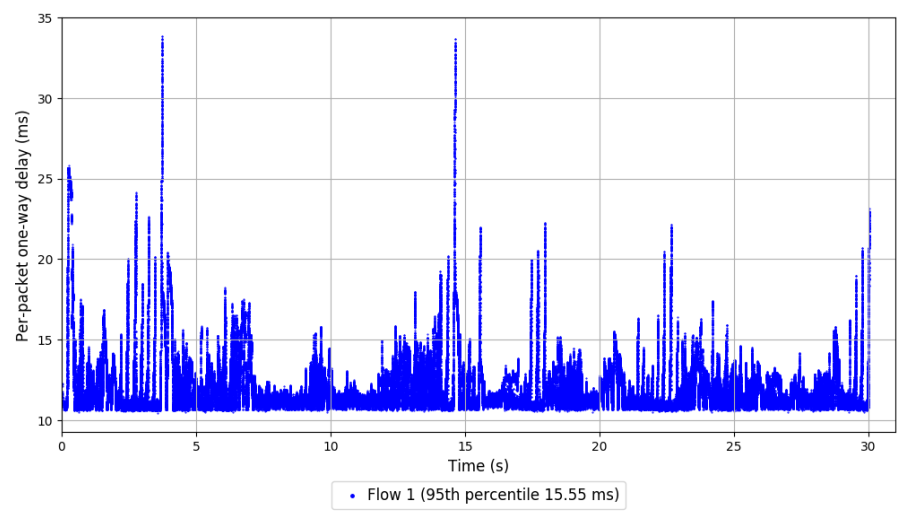
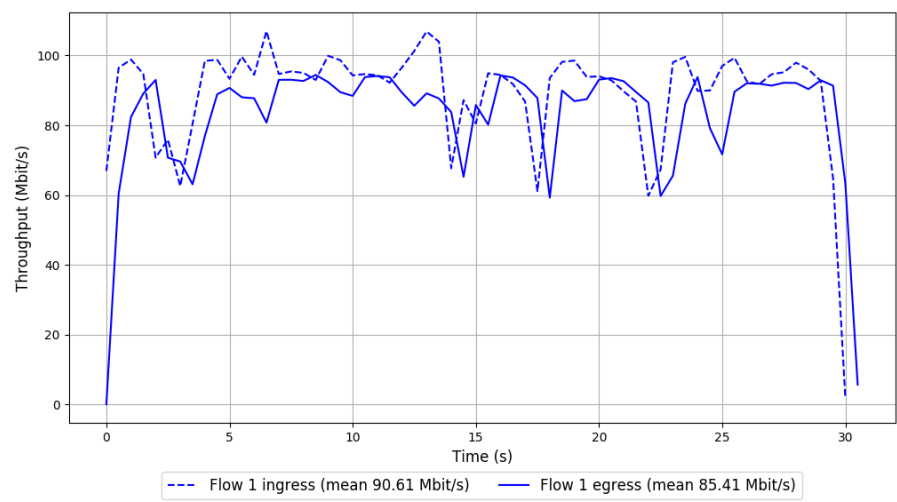


Run 1: Statistics of Copa

Start at: 2018-08-01 00:16:14
End at: 2018-08-01 00:16:44
Local clock offset: 0.531 ms
Remote clock offset: -7.515 ms

Below is generated by plot.py at 2018-08-01 03:16:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 15.546 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 15.546 ms
Loss rate: 5.72%

Run 1: Report of Copa — Data Link

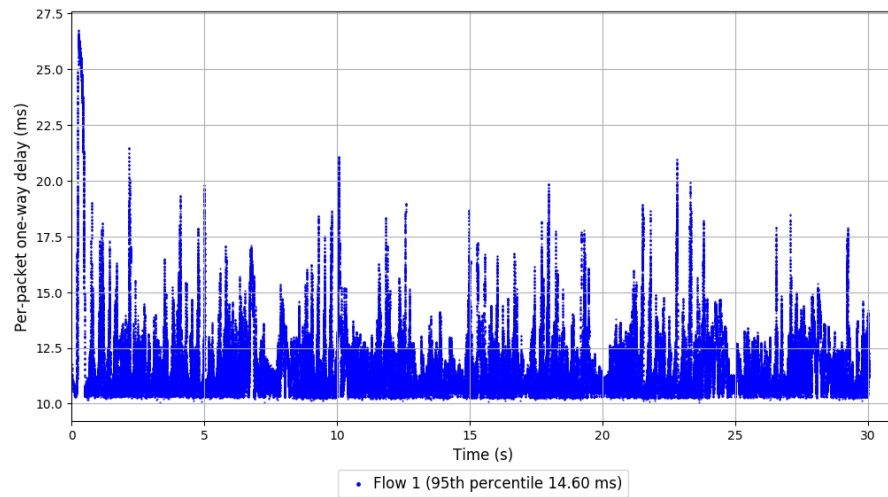
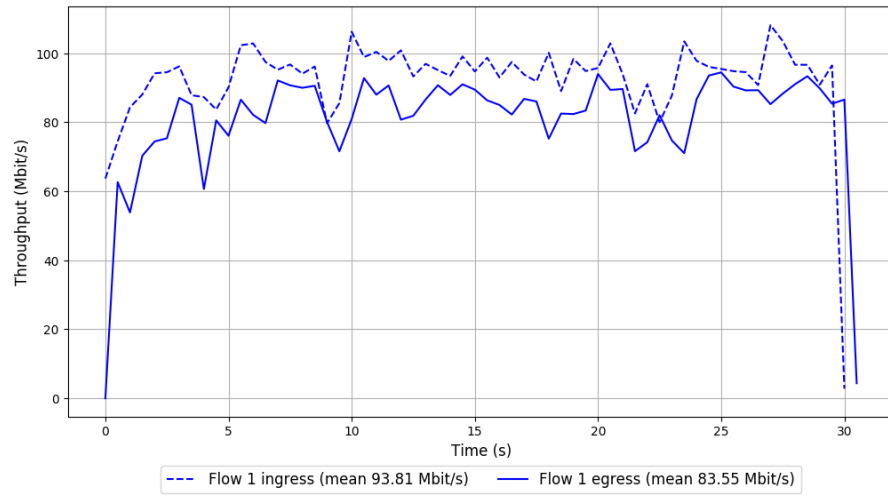


Run 2: Statistics of Copa

Start at: 2018-08-01 00:35:20
End at: 2018-08-01 00:35:50
Local clock offset: 2.594 ms
Remote clock offset: -3.331 ms

Below is generated by plot.py at 2018-08-01 03:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 14.596 ms
Loss rate: 10.94%
-- Flow 1:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 14.596 ms
Loss rate: 10.94%

Run 2: Report of Copa — Data Link

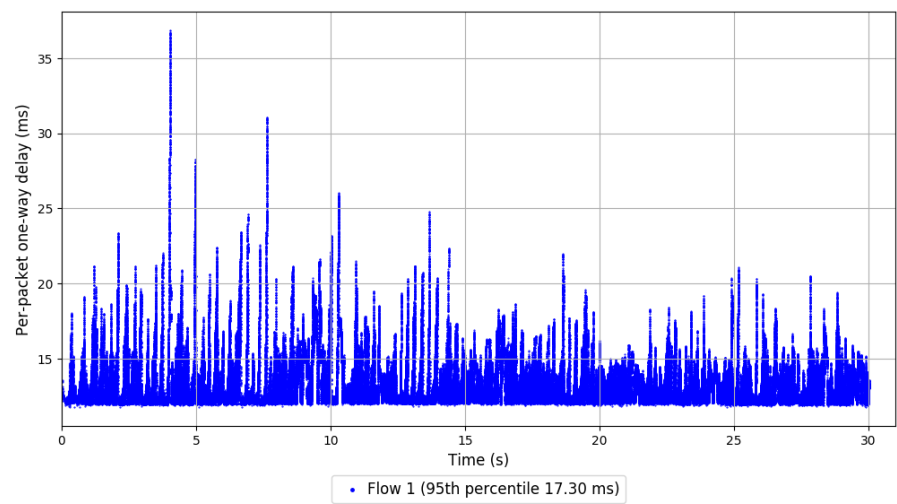
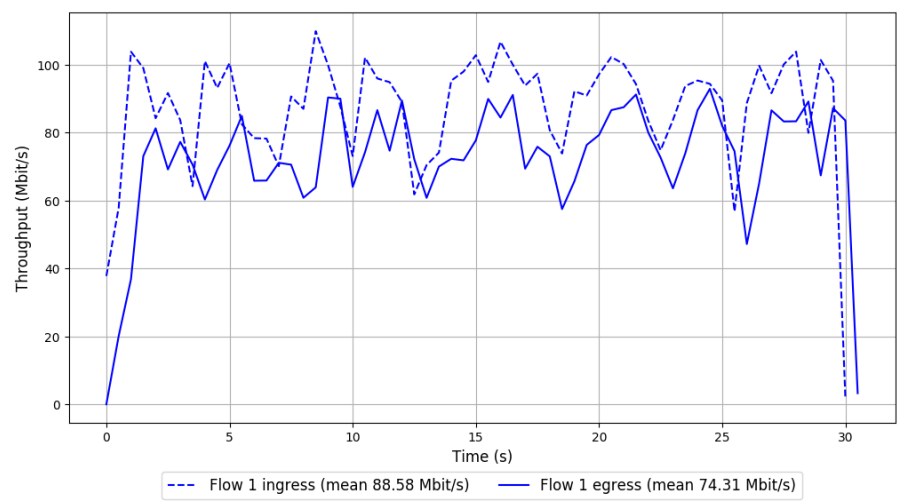


Run 3: Statistics of Copa

Start at: 2018-08-01 00:54:44
End at: 2018-08-01 00:55:14
Local clock offset: 1.399 ms
Remote clock offset: -3.503 ms

Below is generated by plot.py at 2018-08-01 03:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.31 Mbit/s
95th percentile per-packet one-way delay: 17.300 ms
Loss rate: 16.10%
-- Flow 1:
Average throughput: 74.31 Mbit/s
95th percentile per-packet one-way delay: 17.300 ms
Loss rate: 16.10%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-01 01:14:04

End at: 2018-08-01 01:14:34

Local clock offset: 1.884 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-01 03:16:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 15.512 ms

Loss rate: 11.76%

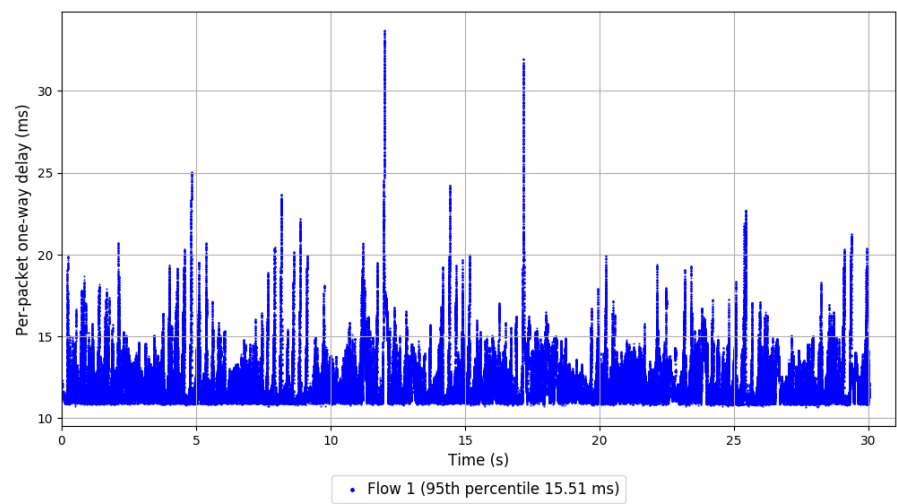
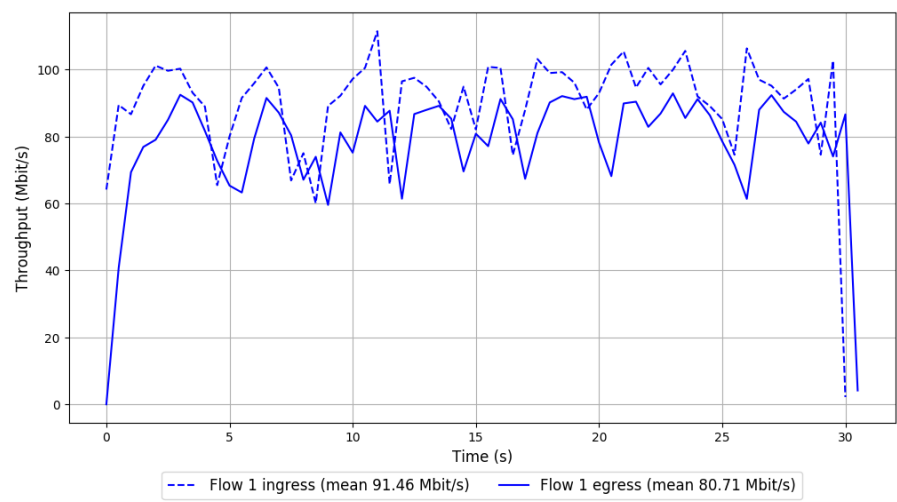
-- Flow 1:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 15.512 ms

Loss rate: 11.76%

Run 4: Report of Copa — Data Link

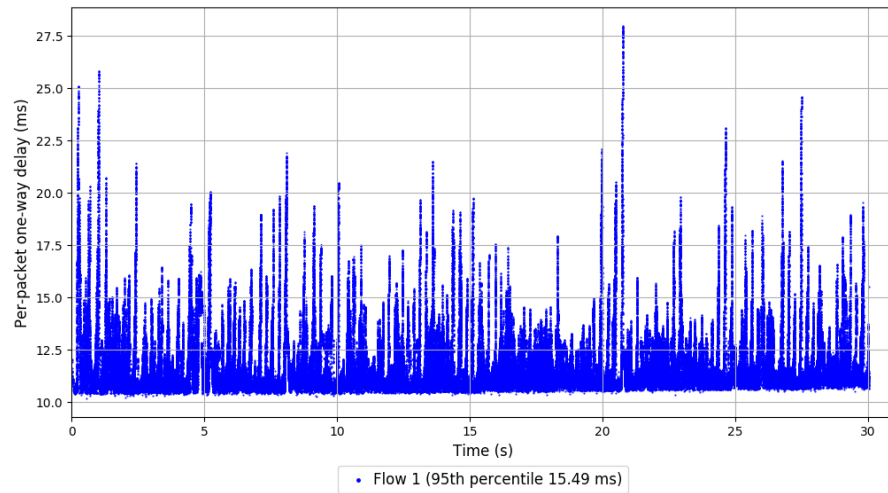
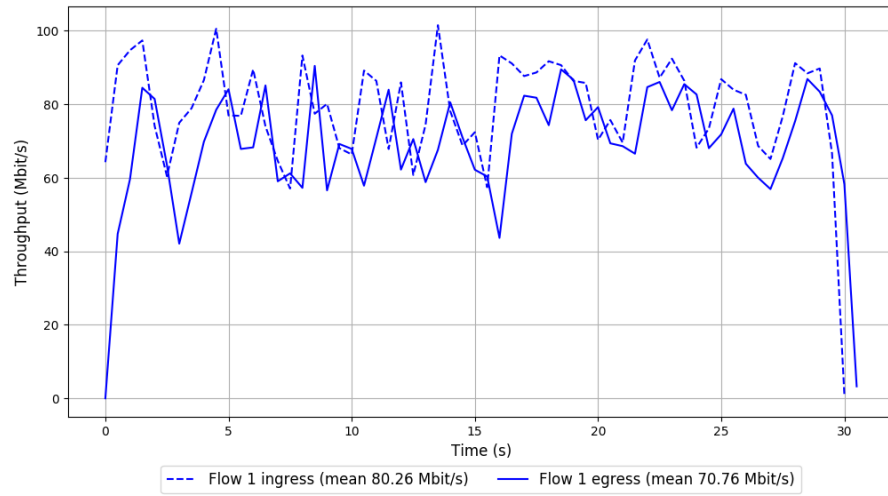


Run 5: Statistics of Copa

Start at: 2018-08-01 01:32:58
End at: 2018-08-01 01:33:28
Local clock offset: -0.469 ms
Remote clock offset: -1.059 ms

Below is generated by plot.py at 2018-08-01 03:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 15.491 ms
Loss rate: 11.82%
-- Flow 1:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 15.491 ms
Loss rate: 11.82%

Run 5: Report of Copa — Data Link

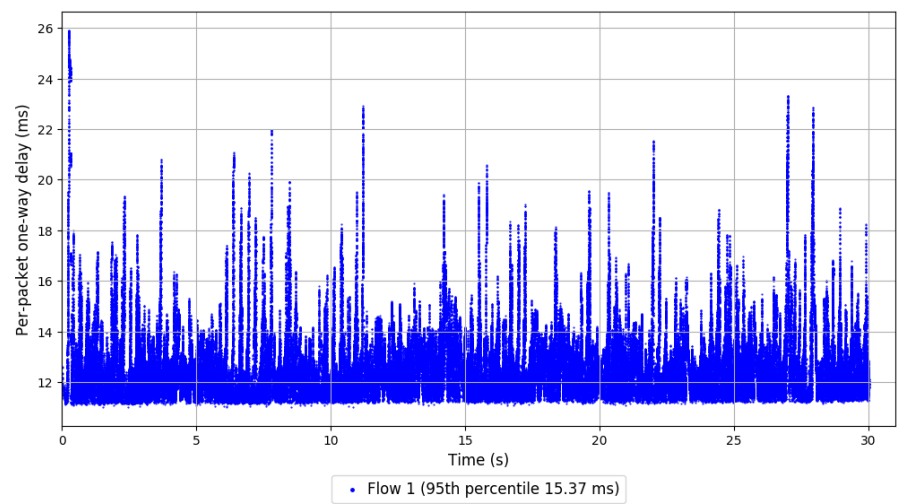
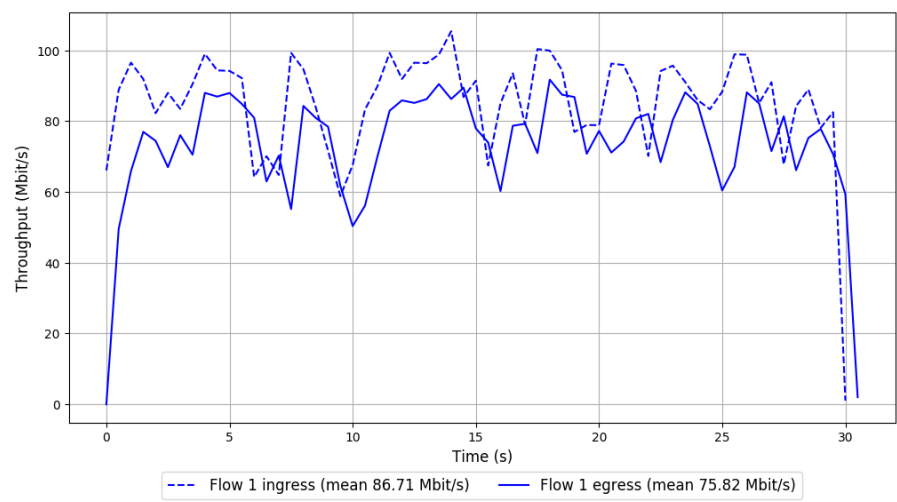


Run 6: Statistics of Copa

Start at: 2018-08-01 01:51:55
End at: 2018-08-01 01:52:25
Local clock offset: -3.377 ms
Remote clock offset: -9.178 ms

Below is generated by plot.py at 2018-08-01 03:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 15.367 ms
Loss rate: 12.57%
-- Flow 1:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 15.367 ms
Loss rate: 12.57%

Run 6: Report of Copa — Data Link

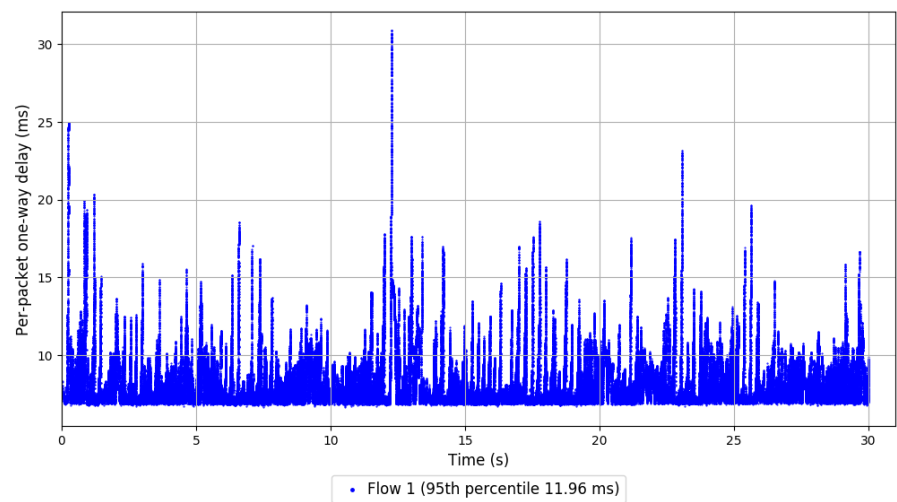
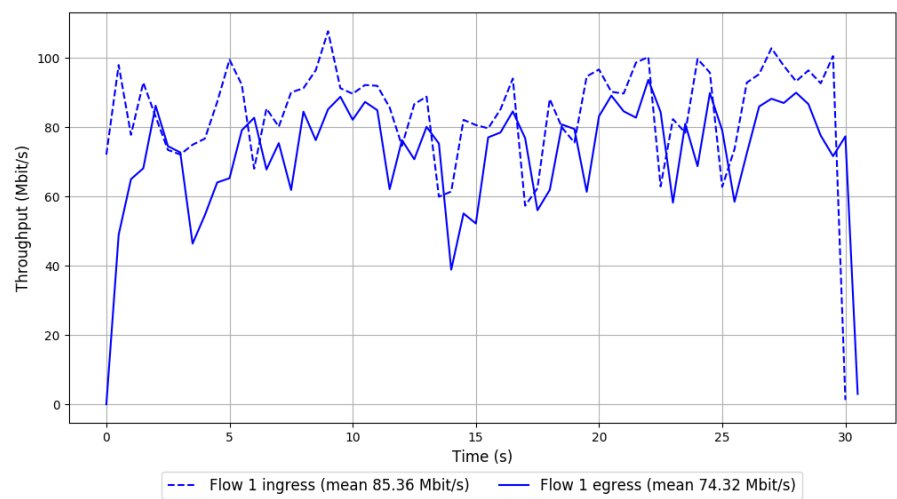


Run 7: Statistics of Copa

Start at: 2018-08-01 02:10:48
End at: 2018-08-01 02:11:18
Local clock offset: 2.829 ms
Remote clock offset: -10.334 ms

Below is generated by plot.py at 2018-08-01 03:17:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 11.955 ms
Loss rate: 12.93%
-- Flow 1:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 11.955 ms
Loss rate: 12.93%

Run 7: Report of Copa — Data Link

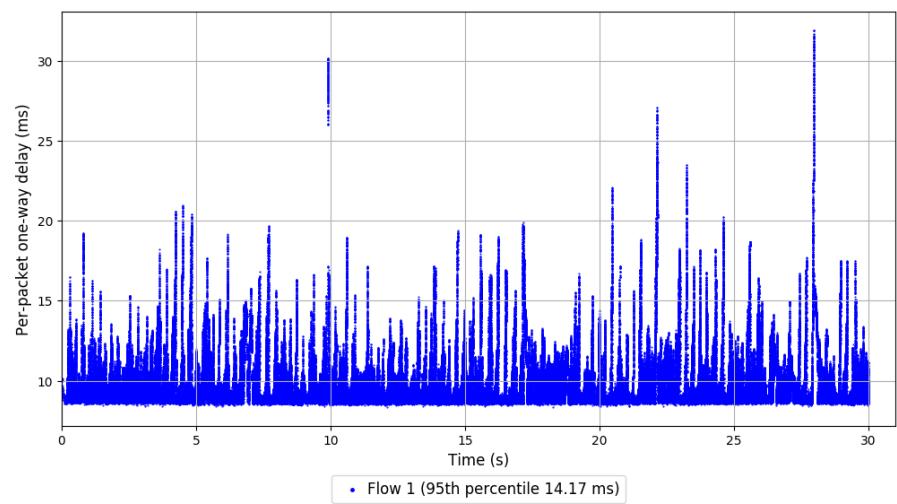
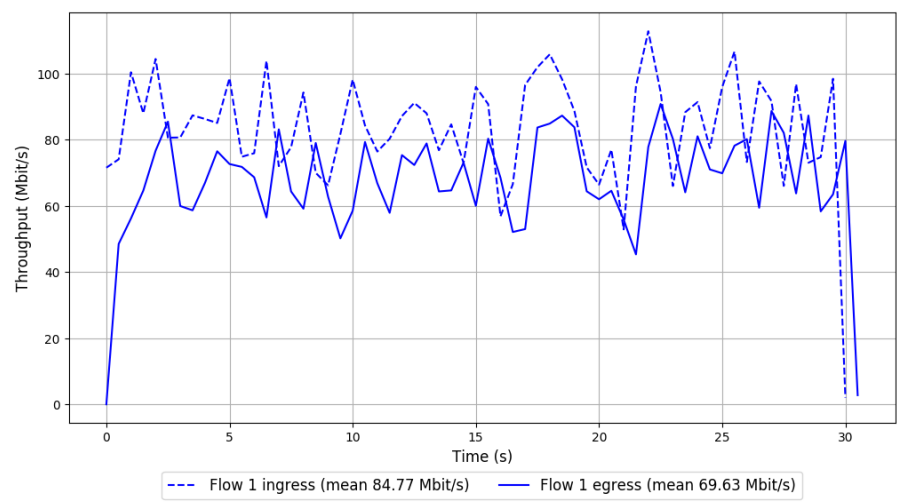


Run 8: Statistics of Copa

Start at: 2018-08-01 02:29:49
End at: 2018-08-01 02:30:20
Local clock offset: 1.172 ms
Remote clock offset: -11.73 ms

Below is generated by plot.py at 2018-08-01 03:17:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 14.174 ms
Loss rate: 17.86%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 14.174 ms
Loss rate: 17.86%

Run 8: Report of Copa — Data Link

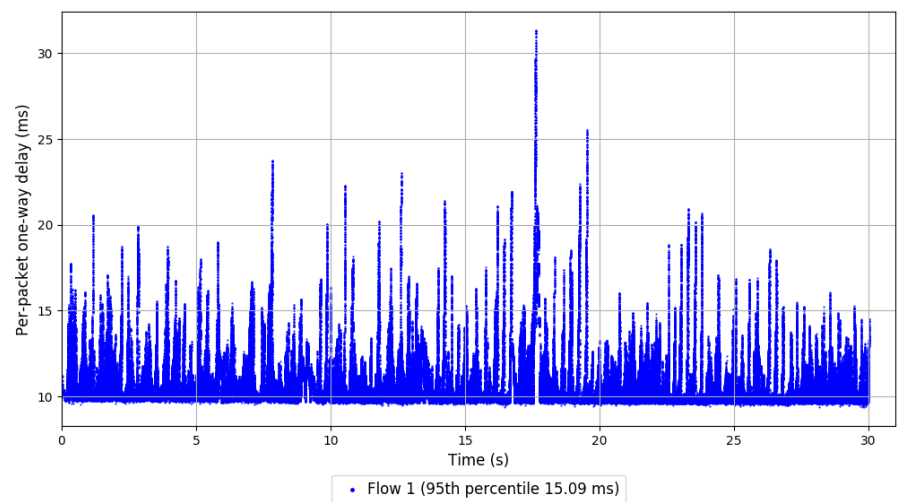
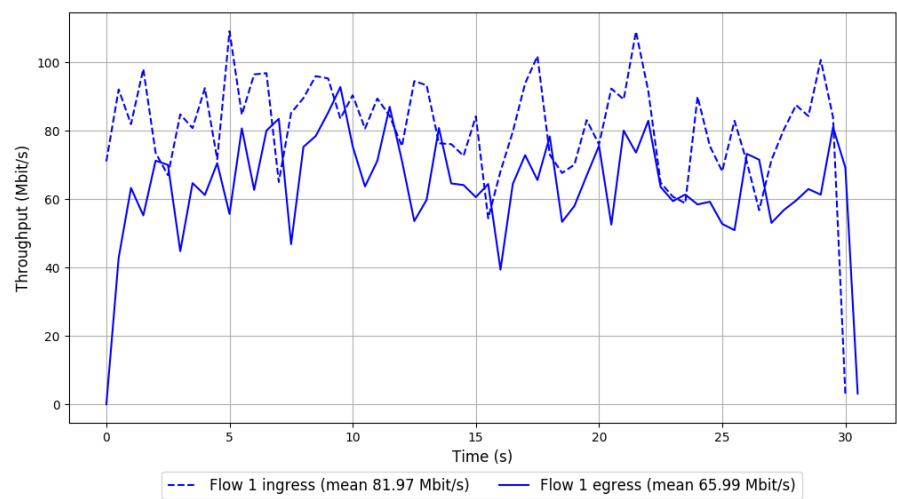


Run 9: Statistics of Copa

Start at: 2018-08-01 02:48:52
End at: 2018-08-01 02:49:22
Local clock offset: -1.478 ms
Remote clock offset: -7.218 ms

Below is generated by plot.py at 2018-08-01 03:18:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 15.085 ms
Loss rate: 19.49%
-- Flow 1:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 15.085 ms
Loss rate: 19.49%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-01 03:07:58

End at: 2018-08-01 03:08:29

Local clock offset: 0.772 ms

Remote clock offset: -1.416 ms

Below is generated by plot.py at 2018-08-01 03:18:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.48 Mbit/s

95th percentile per-packet one-way delay: 14.786 ms

Loss rate: 14.99%

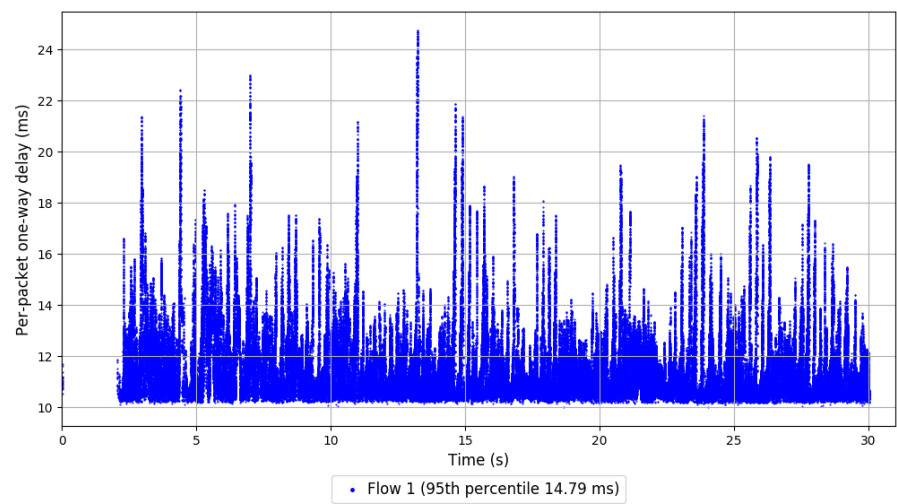
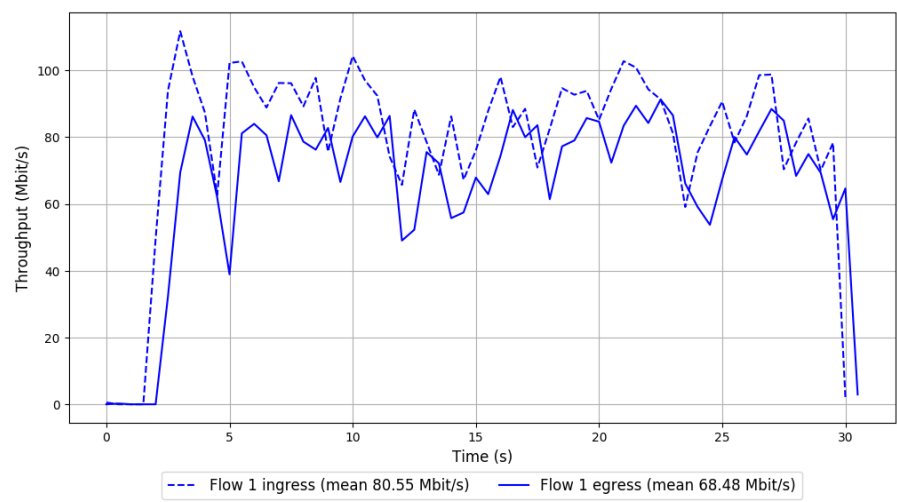
-- Flow 1:

Average throughput: 68.48 Mbit/s

95th percentile per-packet one-way delay: 14.786 ms

Loss rate: 14.99%

Run 10: Report of Copa — Data Link

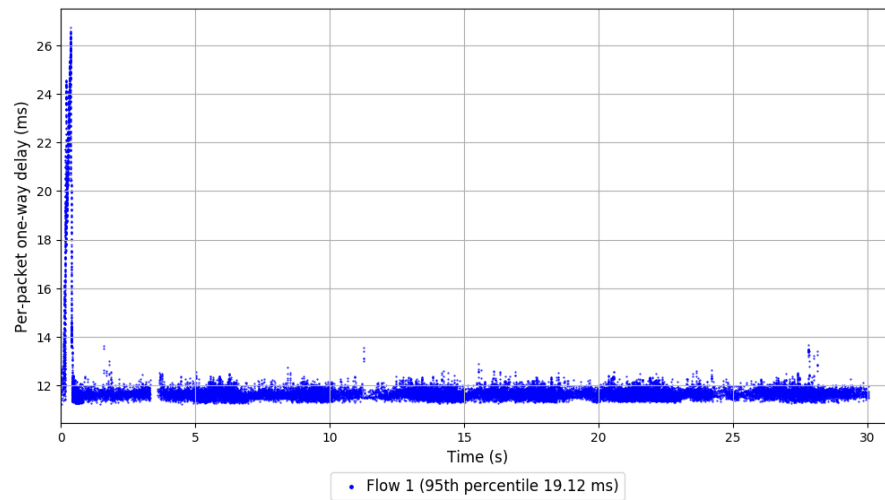
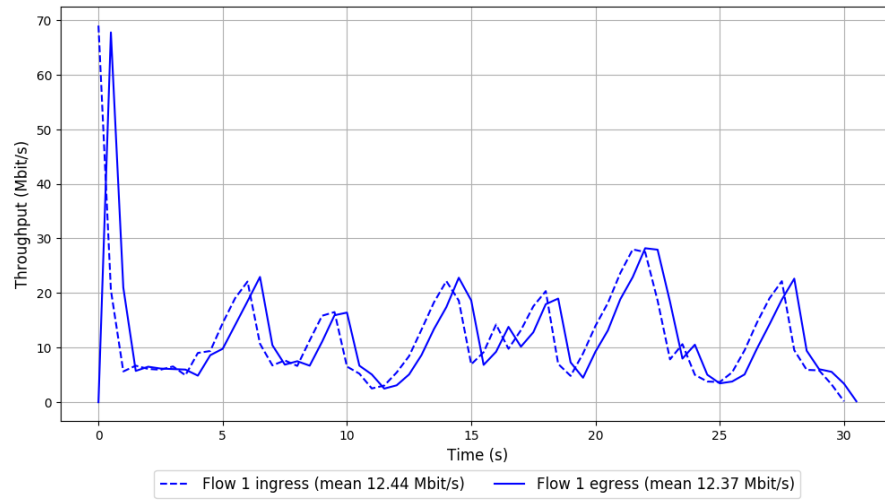


Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 00:10:44
End at: 2018-08-01 00:11:14
Local clock offset: 1.116 ms
Remote clock offset: -5.942 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.56%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 00:29:44

End at: 2018-08-01 00:30:14

Local clock offset: 3.339 ms

Remote clock offset: -6.26 ms

Below is generated by plot.py at 2018-08-01 03:18:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 9.206 ms

Loss rate: 1.75%

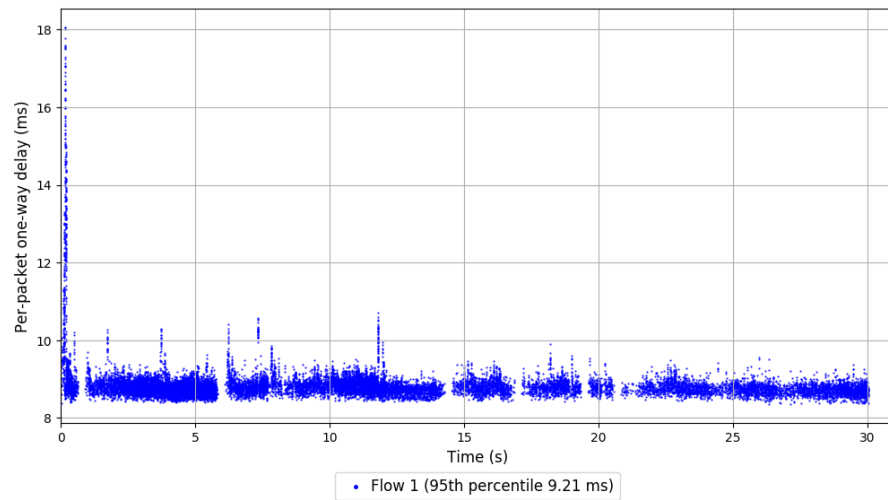
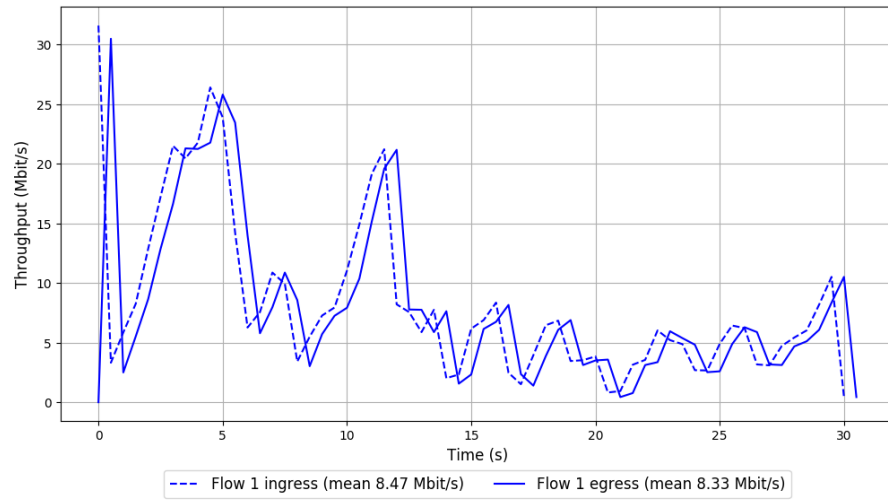
-- Flow 1:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 9.206 ms

Loss rate: 1.75%

Run 2: Report of TCP Cubic — Data Link

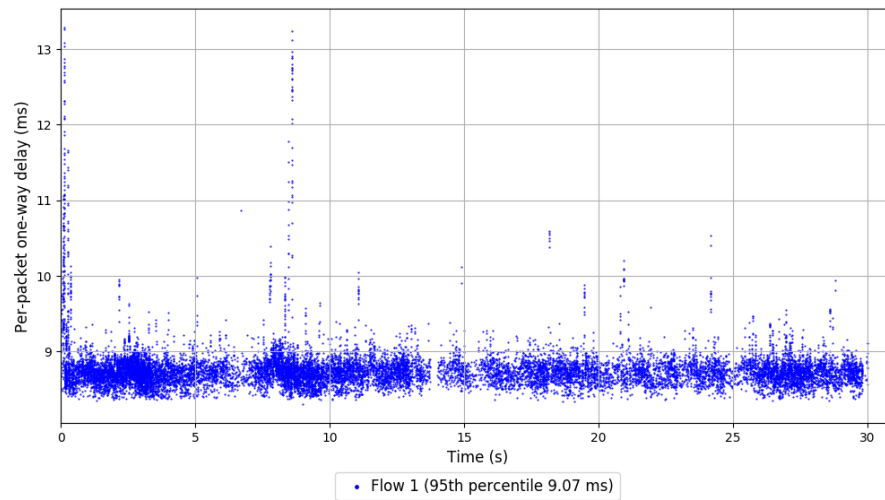
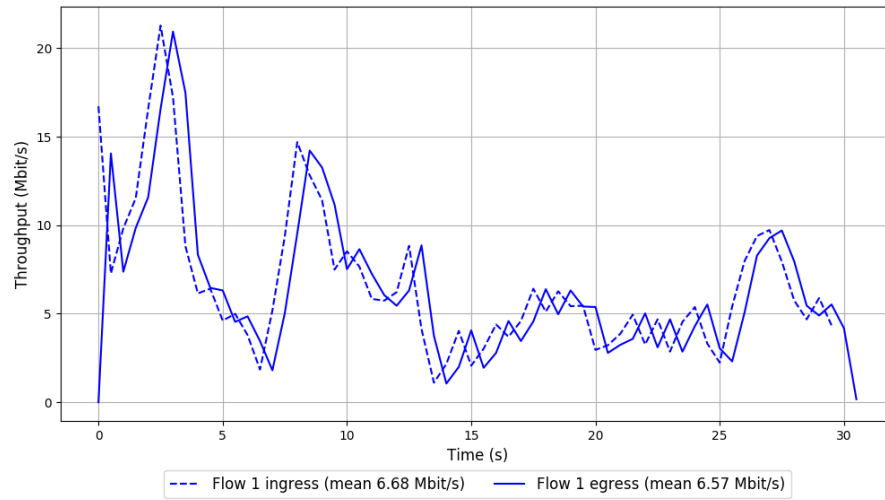


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 00:49:13
End at: 2018-08-01 00:49:43
Local clock offset: 1.776 ms
Remote clock offset: -5.759 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 9.068 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 9.068 ms
Loss rate: 1.64%

Run 3: Report of TCP Cubic — Data Link

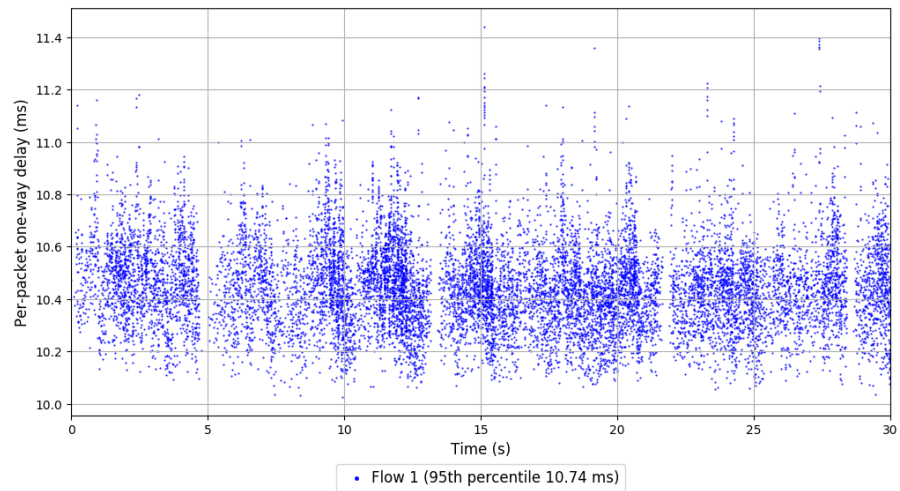
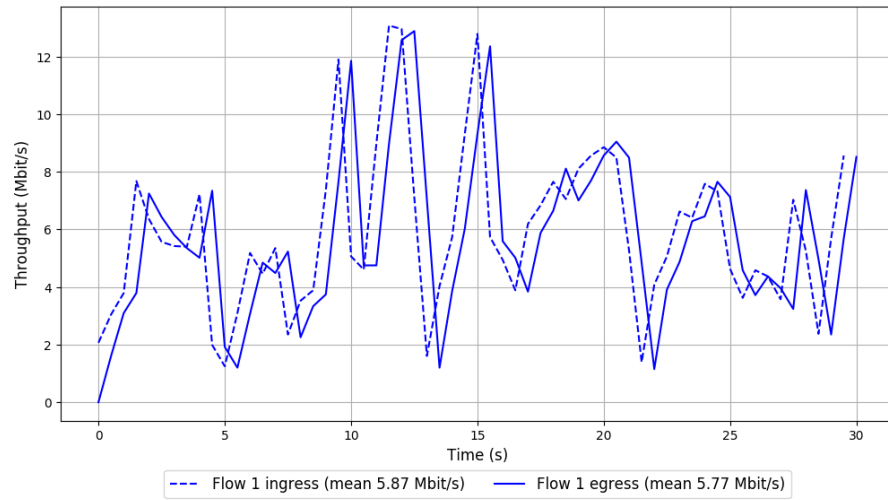


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 01:08:35
End at: 2018-08-01 01:09:05
Local clock offset: 1.498 ms
Remote clock offset: -2.588 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 10.743 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 10.743 ms
Loss rate: 1.70%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 01:27:31

End at: 2018-08-01 01:28:02

Local clock offset: 0.586 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-08-01 03:18:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 12.262 ms

Loss rate: 2.23%

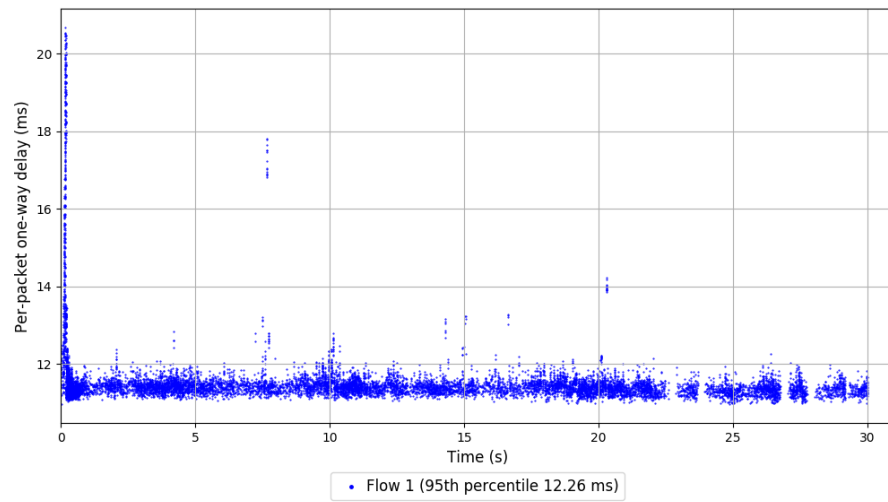
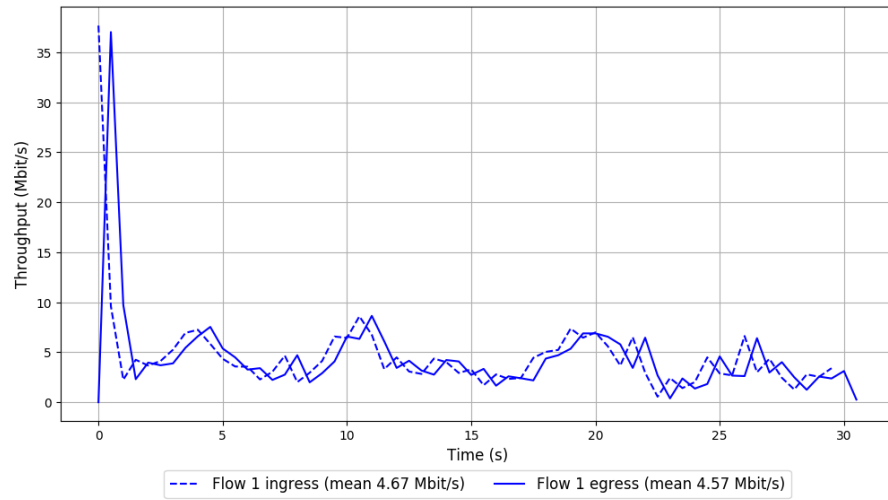
-- Flow 1:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 12.262 ms

Loss rate: 2.23%

Run 5: Report of TCP Cubic — Data Link

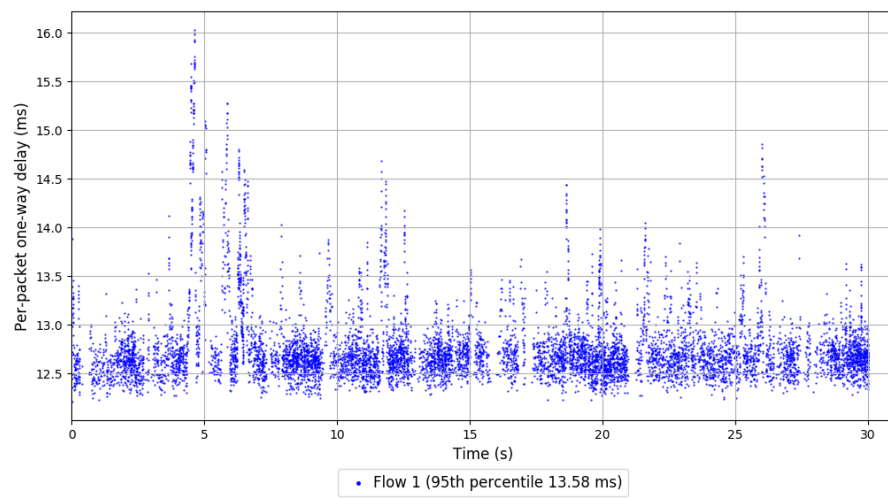
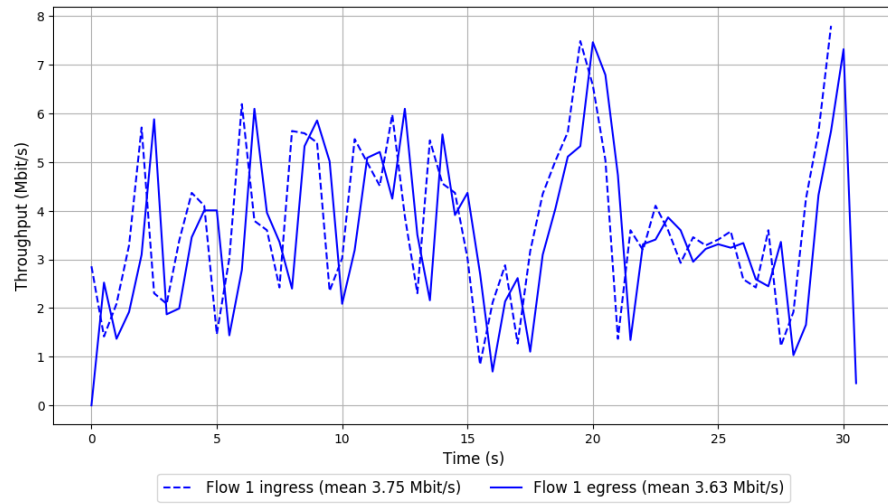


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 01:46:24
End at: 2018-08-01 01:46:54
Local clock offset: -2.101 ms
Remote clock offset: -6.183 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 13.582 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 13.582 ms
Loss rate: 3.08%

Run 6: Report of TCP Cubic — Data Link

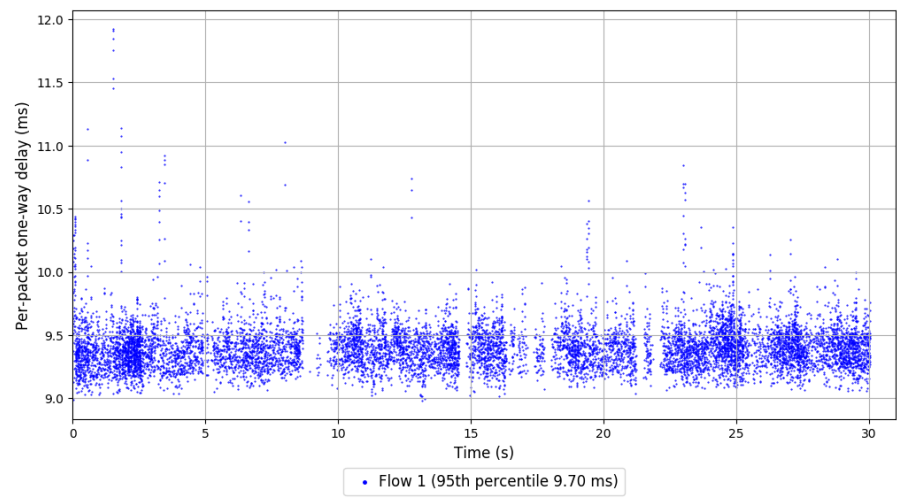
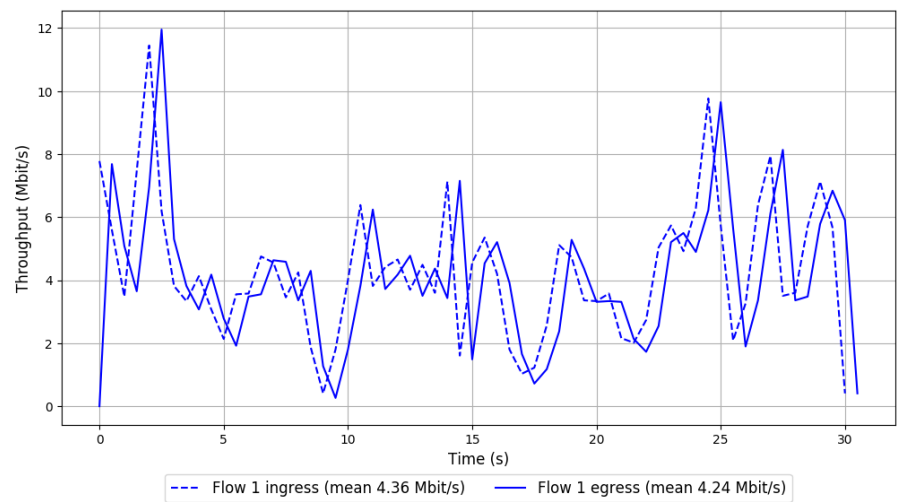


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 02:05:20
End at: 2018-08-01 02:05:50
Local clock offset: 0.747 ms
Remote clock offset: -9.549 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 9.695 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 9.695 ms
Loss rate: 2.72%

Run 7: Report of TCP Cubic — Data Link

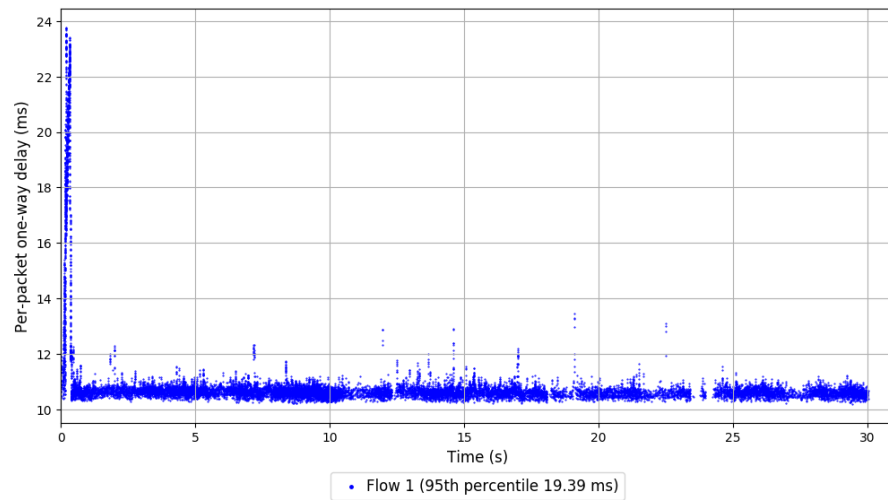
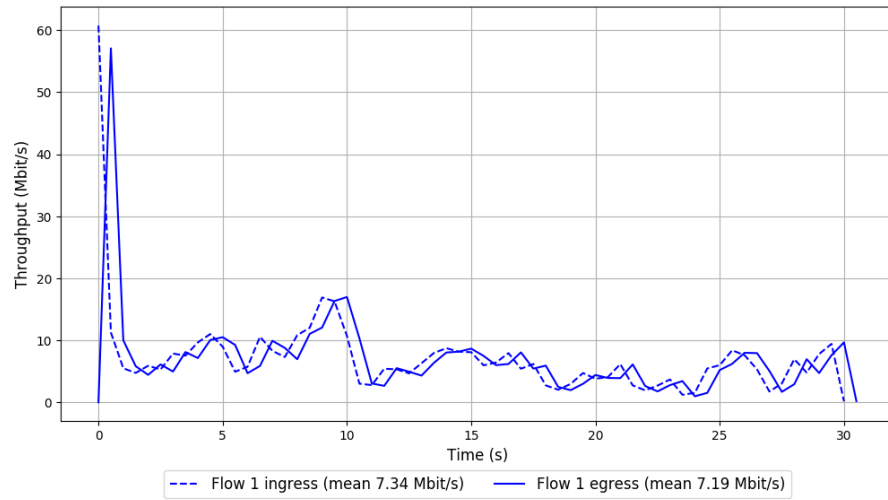


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 02:24:21
End at: 2018-08-01 02:24:51
Local clock offset: -0.105 ms
Remote clock offset: -10.564 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 2.08%

Run 8: Report of TCP Cubic — Data Link

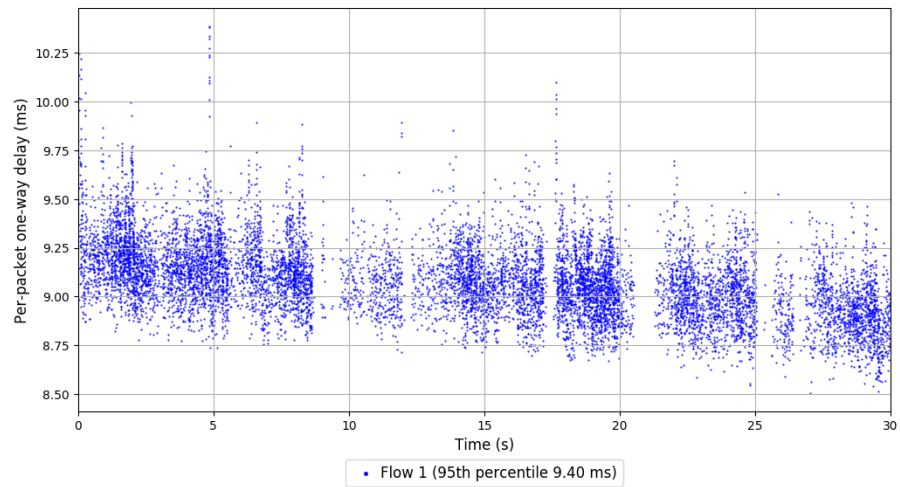
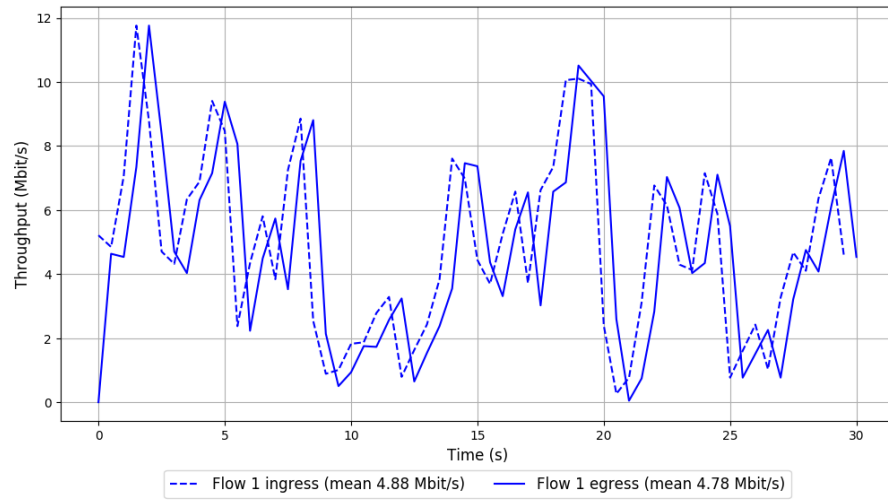


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 02:43:24
End at: 2018-08-01 02:43:54
Local clock offset: 1.539 ms
Remote clock offset: -7.798 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 9.405 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 9.405 ms
Loss rate: 2.10%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 03:02:26

End at: 2018-08-01 03:02:56

Local clock offset: 0.928 ms

Remote clock offset: -1.666 ms

Below is generated by plot.py at 2018-08-01 03:18:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.70 Mbit/s

95th percentile per-packet one-way delay: 11.994 ms

Loss rate: 4.68%

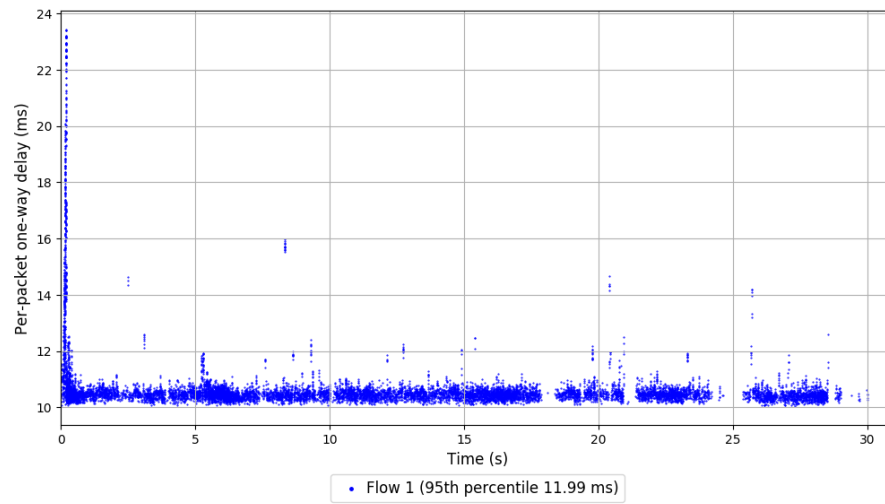
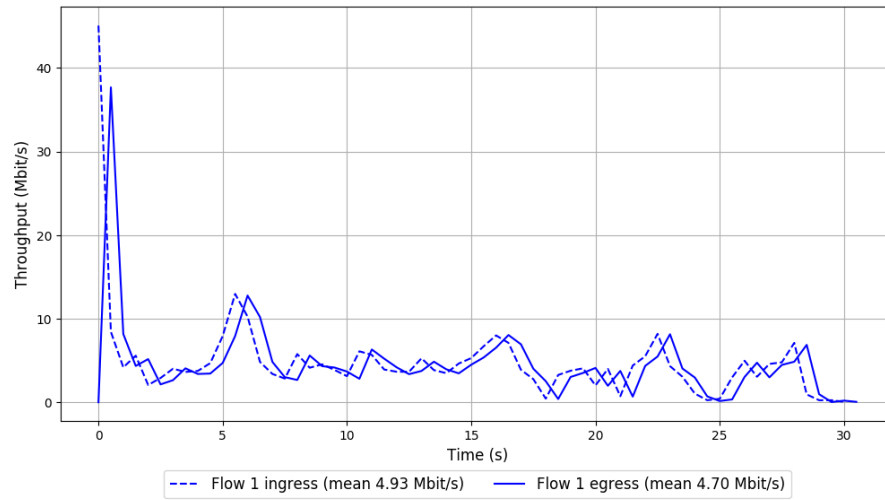
-- Flow 1:

Average throughput: 4.70 Mbit/s

95th percentile per-packet one-way delay: 11.994 ms

Loss rate: 4.68%

Run 10: Report of TCP Cubic — Data Link

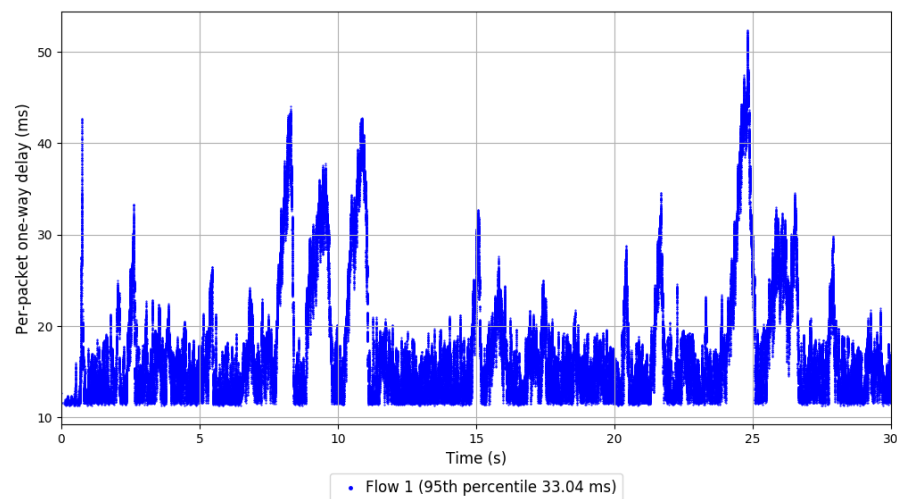
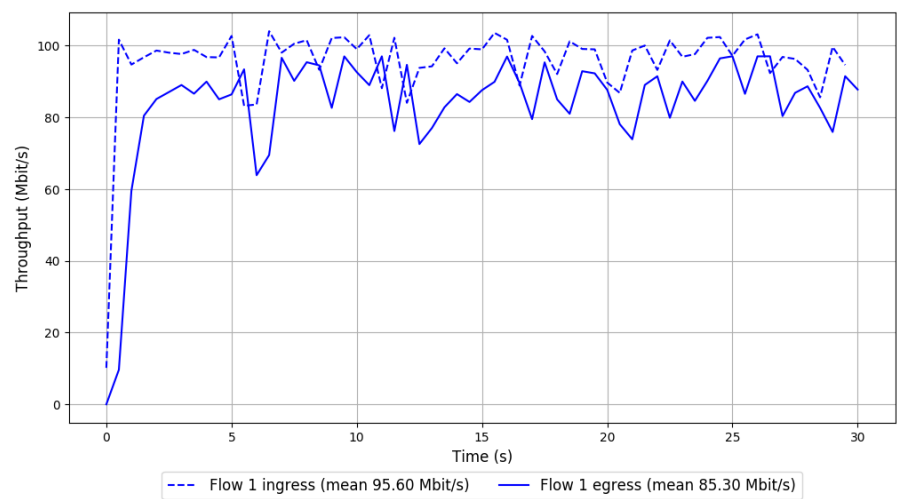


```
Run 1: Statistics of FillP

Start at: 2018-08-01 00:07:25
End at: 2018-08-01 00:07:55
Local clock offset: 1.001 ms
Remote clock offset: -6.736 ms

# Below is generated by plot.py at 2018-08-01 03:18:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 33.041 ms
Loss rate: 10.76%
-- Flow 1:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 33.041 ms
Loss rate: 10.76%
```

Run 1: Report of FillP — Data Link

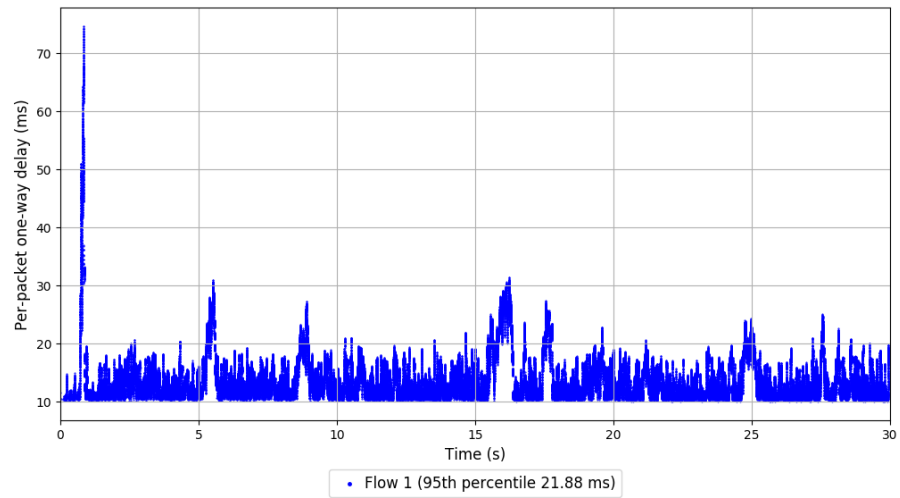
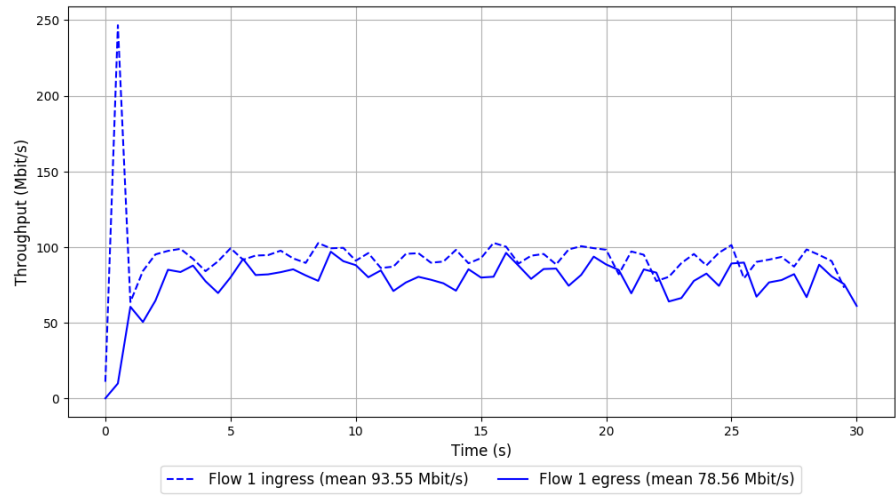


Run 2: Statistics of FillP

Start at: 2018-08-01 00:26:23
End at: 2018-08-01 00:26:53
Local clock offset: 0.106 ms
Remote clock offset: -7.278 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 21.880 ms
Loss rate: 16.03%
-- Flow 1:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 21.880 ms
Loss rate: 16.03%

Run 2: Report of FillP — Data Link

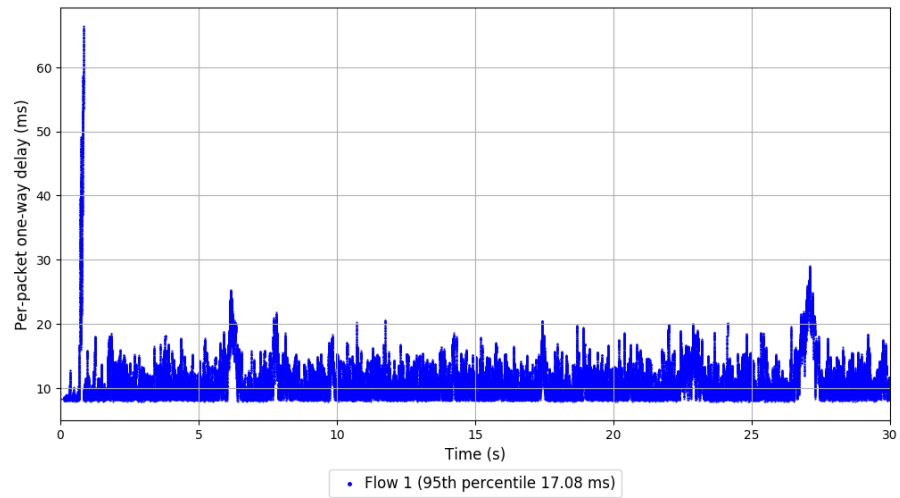
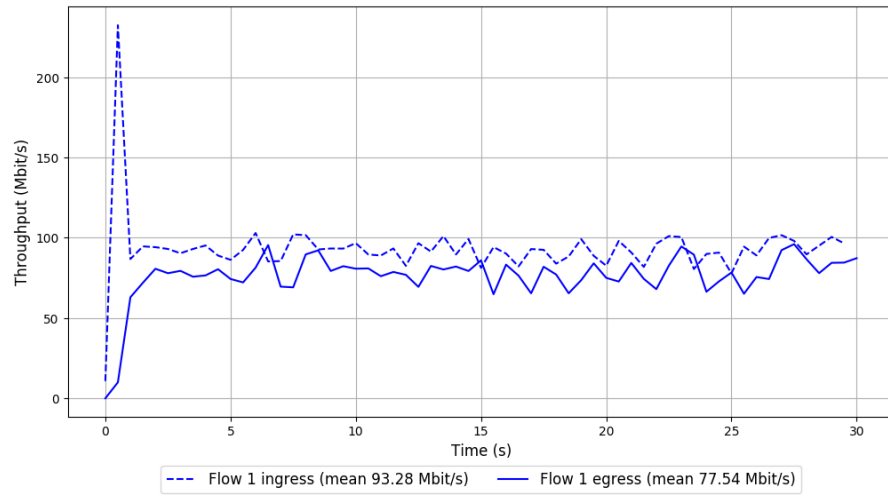


Run 3: Statistics of FillP

Start at: 2018-08-01 00:45:36
End at: 2018-08-01 00:46:06
Local clock offset: 3.71 ms
Remote clock offset: -3.882 ms

Below is generated by plot.py at 2018-08-01 03:18:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 17.084 ms
Loss rate: 16.87%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 17.084 ms
Loss rate: 16.87%

Run 3: Report of FillP — Data Link

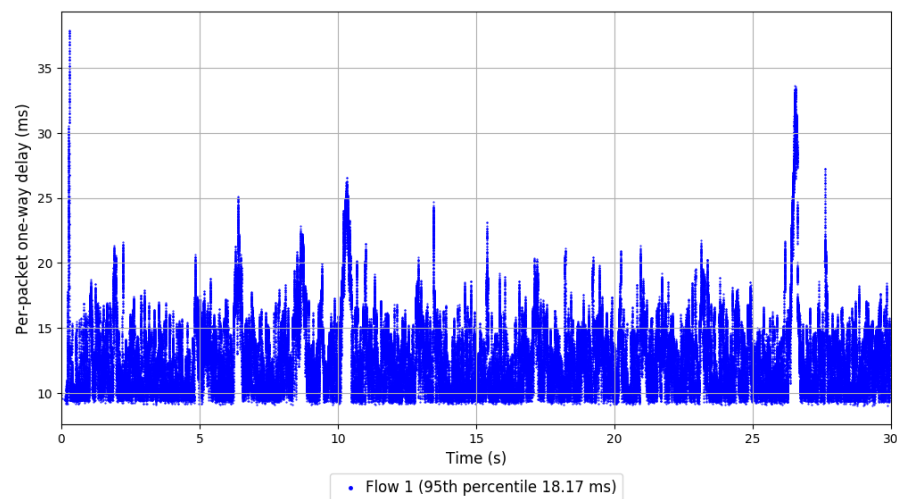
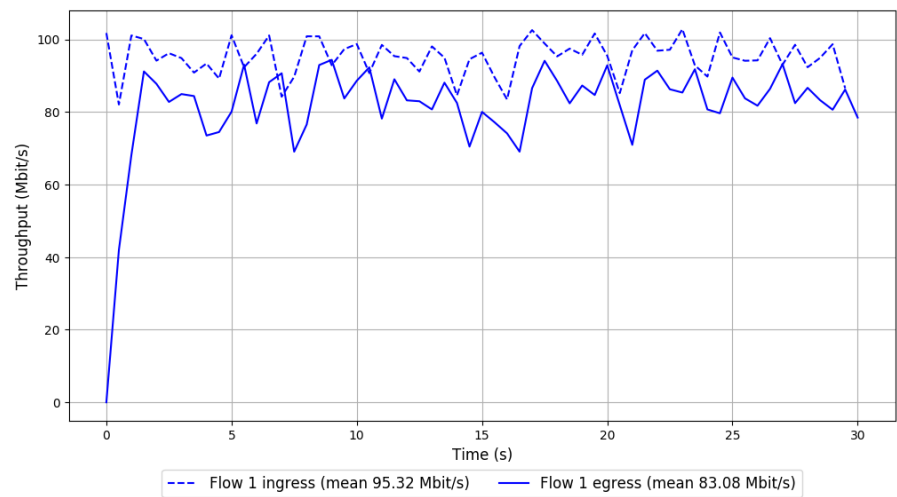


Run 4: Statistics of FillP

Start at: 2018-08-01 01:05:17
End at: 2018-08-01 01:05:47
Local clock offset: 1.427 ms
Remote clock offset: -3.796 ms

Below is generated by plot.py at 2018-08-01 03:18:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 18.173 ms
Loss rate: 12.83%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 18.173 ms
Loss rate: 12.83%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-01 01:24:13

End at: 2018-08-01 01:24:43

Local clock offset: 0.841 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-08-01 03:18:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 26.978 ms

Loss rate: 10.58%

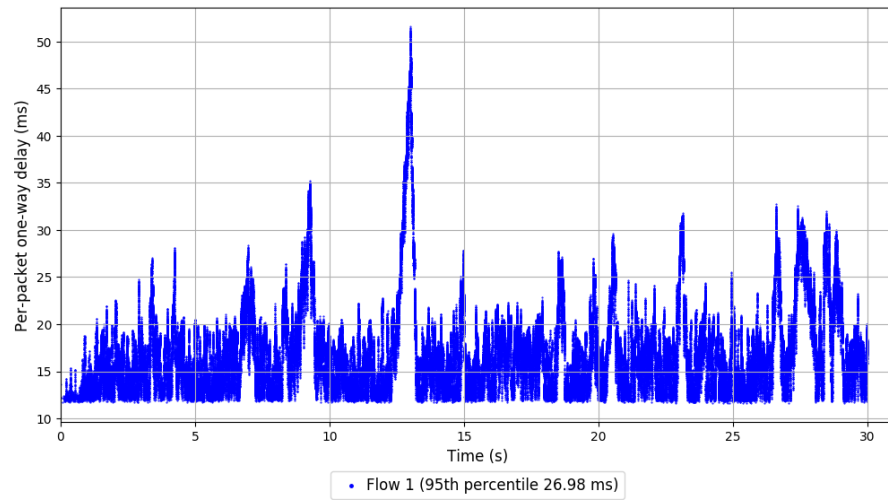
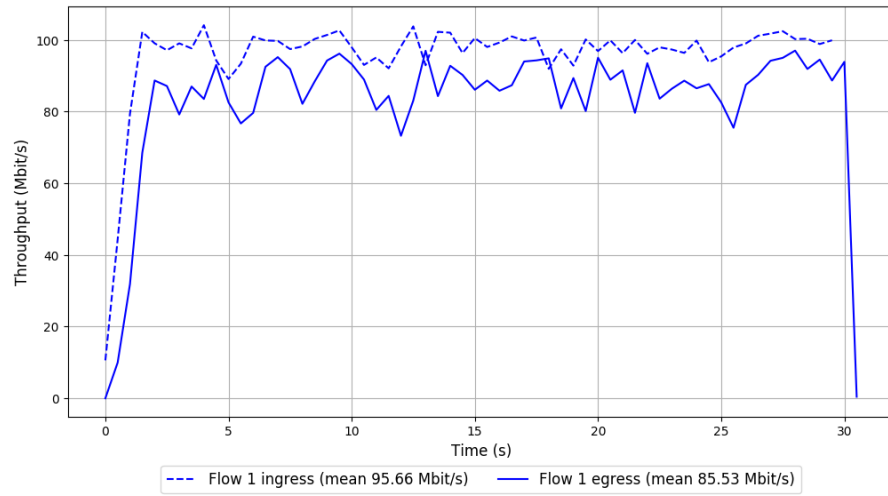
-- Flow 1:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 26.978 ms

Loss rate: 10.58%

Run 5: Report of FillP — Data Link

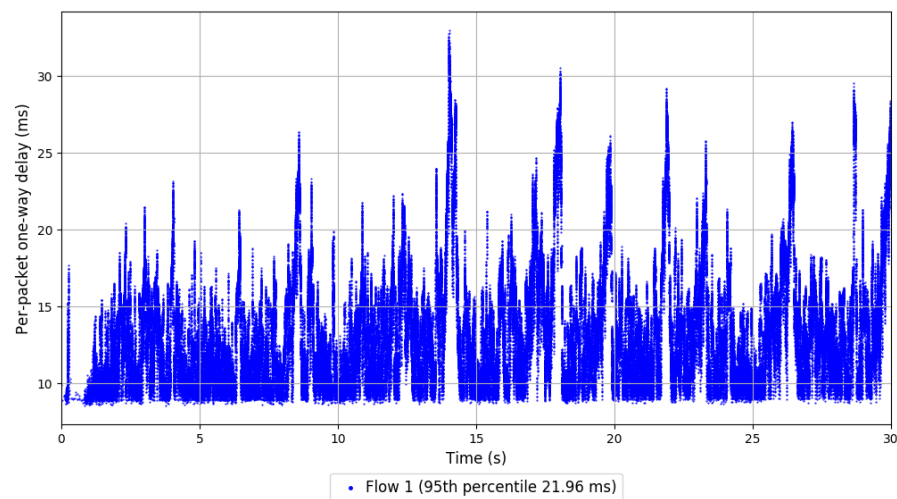
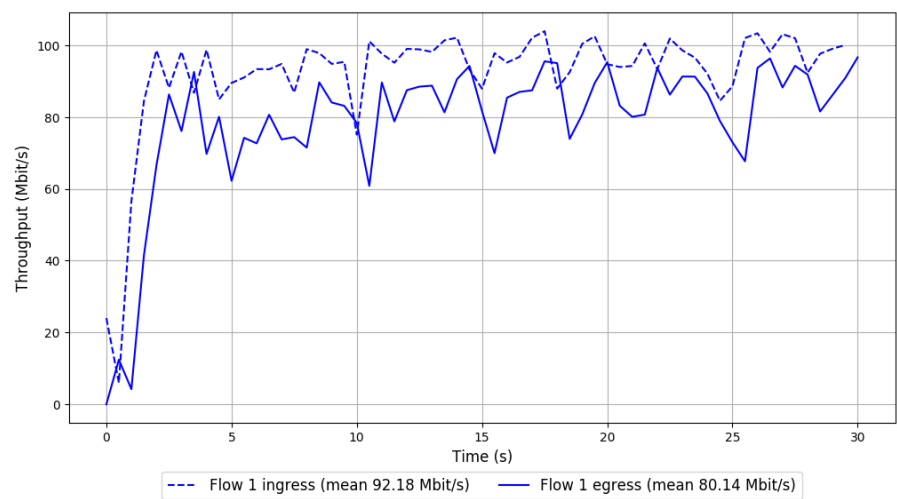


Run 6: Statistics of FillP

Start at: 2018-08-01 01:43:06
End at: 2018-08-01 01:43:36
Local clock offset: -1.712 ms
Remote clock offset: -7.367 ms

Below is generated by plot.py at 2018-08-01 03:18:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 21.965 ms
Loss rate: 13.02%
-- Flow 1:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 21.965 ms
Loss rate: 13.02%

Run 6: Report of FillP — Data Link

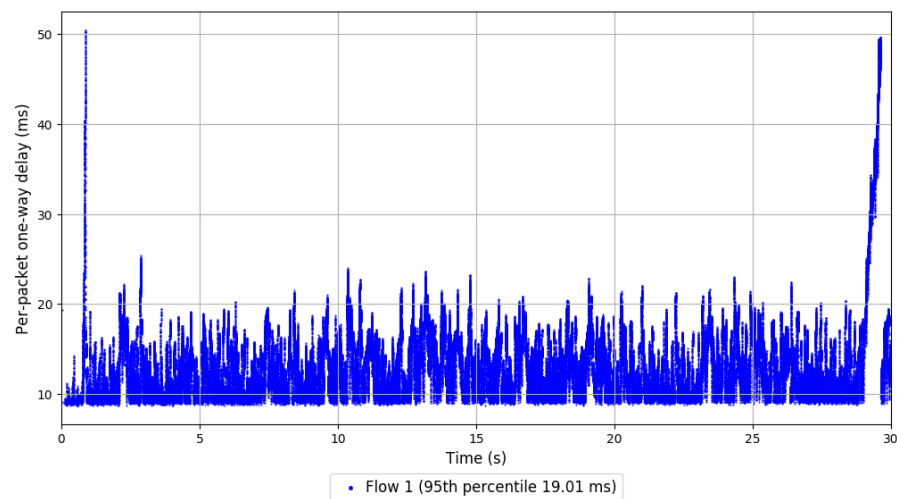
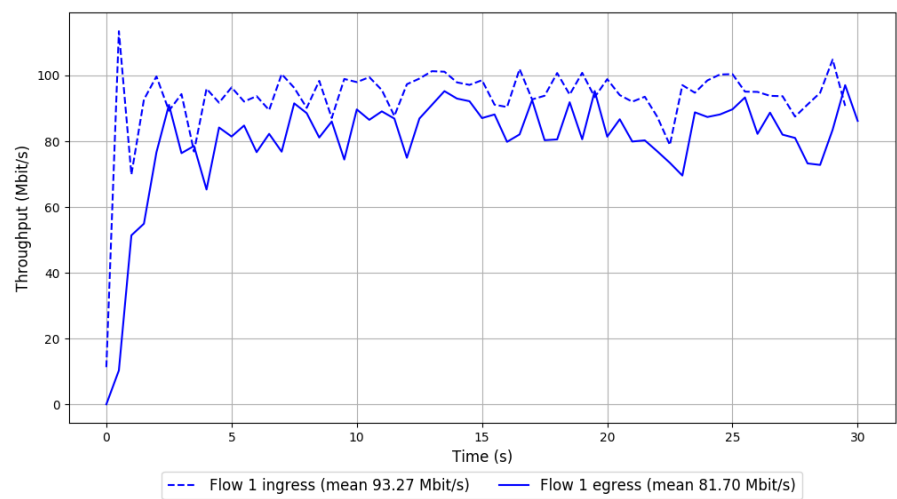


Run 7: Statistics of FillP

Start at: 2018-08-01 02:02:01
End at: 2018-08-01 02:02:31
Local clock offset: 0.682 ms
Remote clock offset: -9.067 ms

Below is generated by plot.py at 2018-08-01 03:19:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 12.42%
-- Flow 1:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 12.42%

Run 7: Report of FillP — Data Link

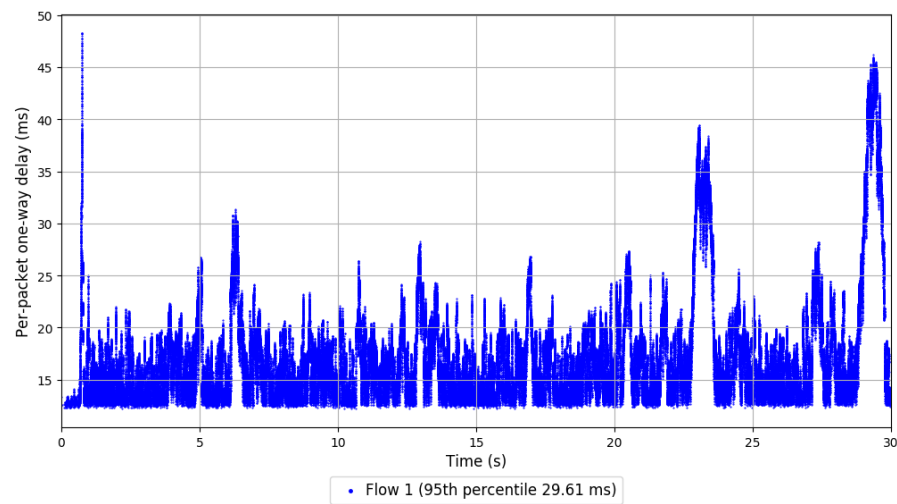
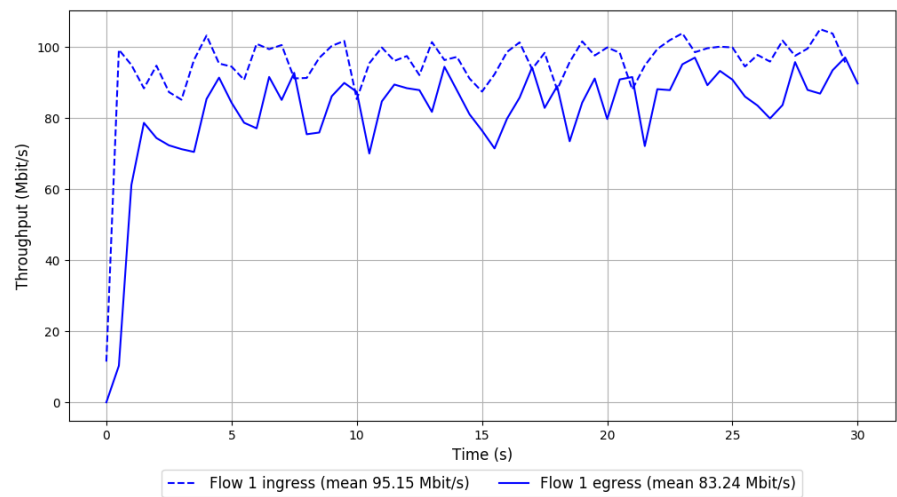


Run 8: Statistics of FillP

Start at: 2018-08-01 02:21:02
End at: 2018-08-01 02:21:32
Local clock offset: -0.707 ms
Remote clock offset: -9.062 ms

Below is generated by plot.py at 2018-08-01 03:19:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 29.605 ms
Loss rate: 12.50%
-- Flow 1:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 29.605 ms
Loss rate: 12.50%

Run 8: Report of FillP — Data Link

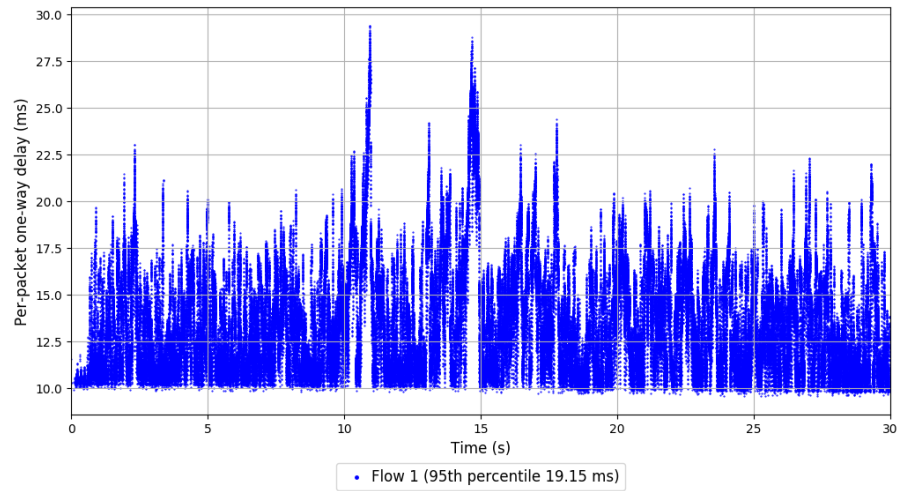
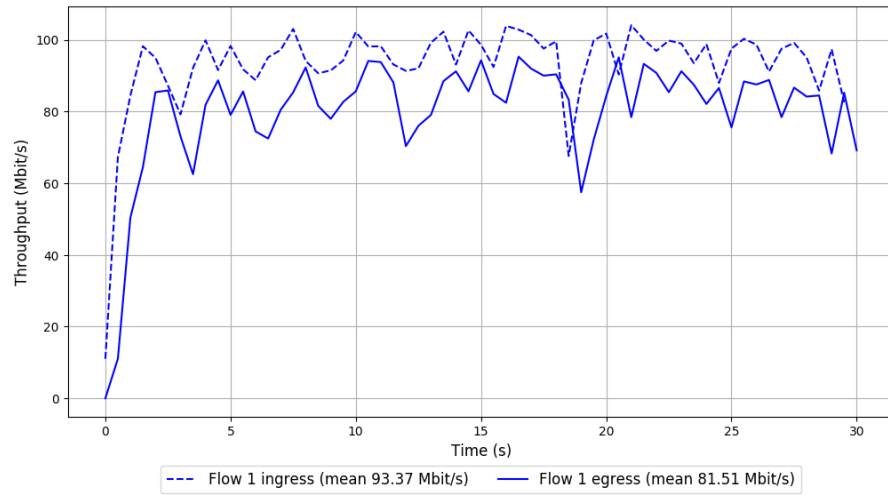


Run 9: Statistics of FillP

Start at: 2018-08-01 02:40:04
End at: 2018-08-01 02:40:34
Local clock offset: -1.527 ms
Remote clock offset: -10.839 ms

Below is generated by plot.py at 2018-08-01 03:19:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 12.70%
-- Flow 1:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 12.70%

Run 9: Report of FillP — Data Link

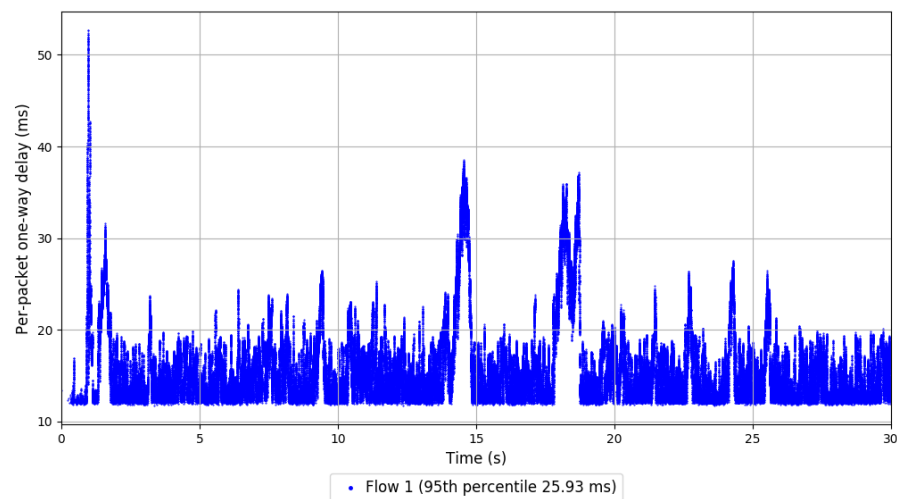
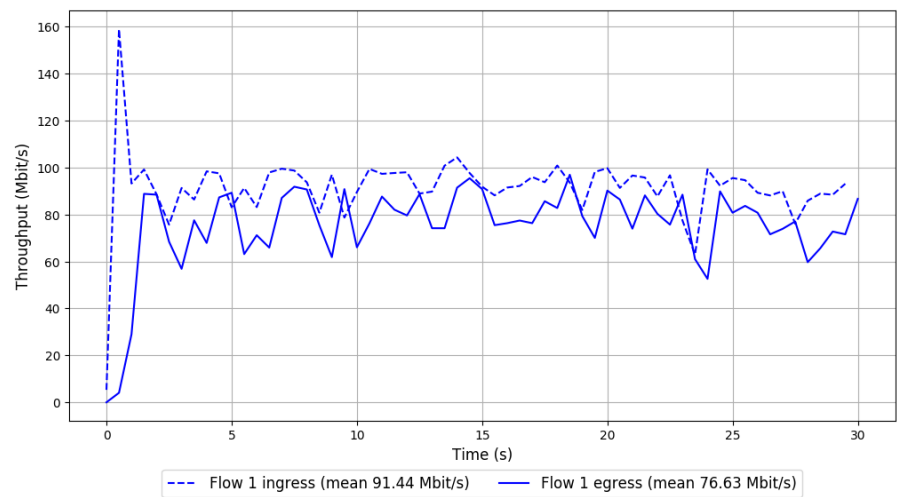


Run 10: Statistics of FillP

Start at: 2018-08-01 02:59:03
End at: 2018-08-01 02:59:33
Local clock offset: -0.914 ms
Remote clock offset: -2.852 ms

Below is generated by plot.py at 2018-08-01 03:19:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 25.932 ms
Loss rate: 16.19%
-- Flow 1:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 25.932 ms
Loss rate: 16.19%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 00:06:18

End at: 2018-08-01 00:06:48

Local clock offset: 2.989 ms

Remote clock offset: -6.198 ms

Below is generated by plot.py at 2018-08-01 03:19:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 23.661 ms

Loss rate: 12.03%

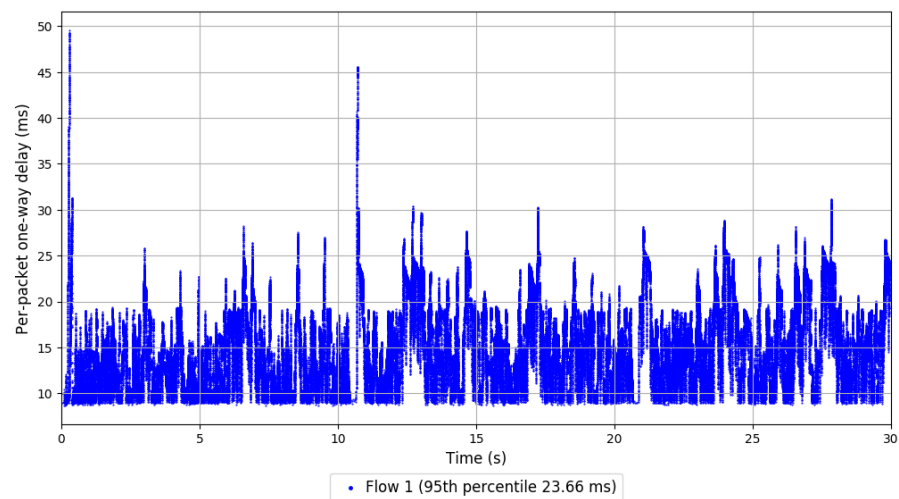
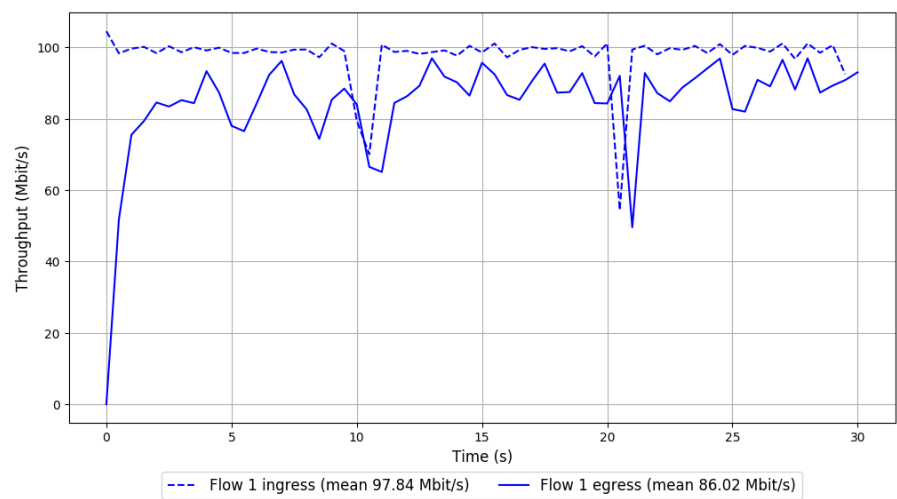
-- Flow 1:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 23.661 ms

Loss rate: 12.03%

Run 1: Report of FillP-Sheep — Data Link

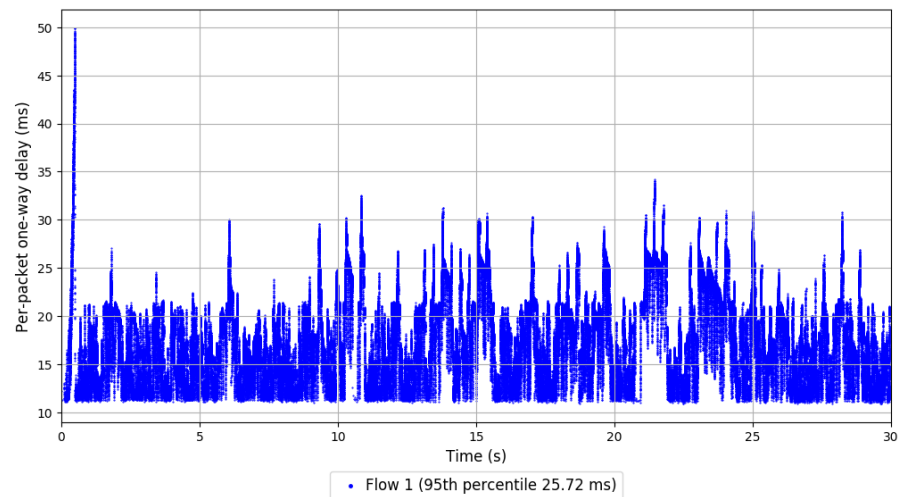
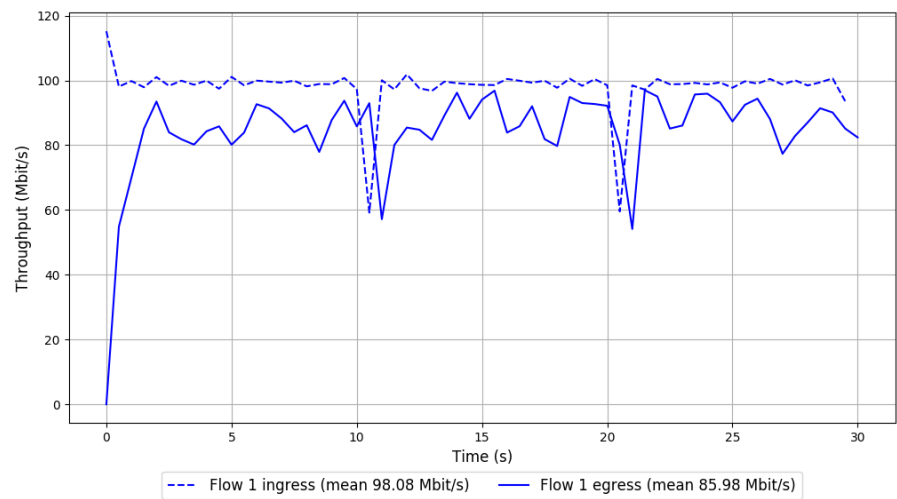


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 00:25:15
End at: 2018-08-01 00:25:45
Local clock offset: 0.966 ms
Remote clock offset: -6.966 ms

Below is generated by plot.py at 2018-08-01 03:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 25.721 ms
Loss rate: 12.33%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 25.721 ms
Loss rate: 12.33%

Run 2: Report of FillP-Sheep — Data Link

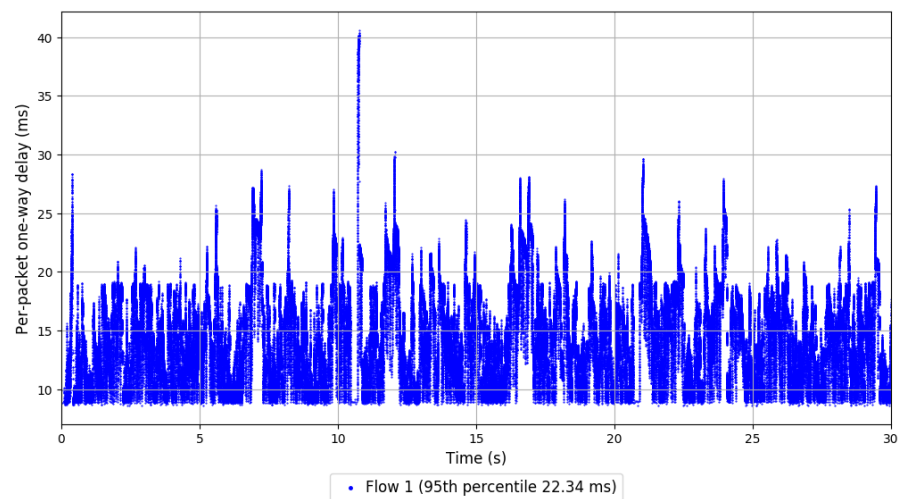
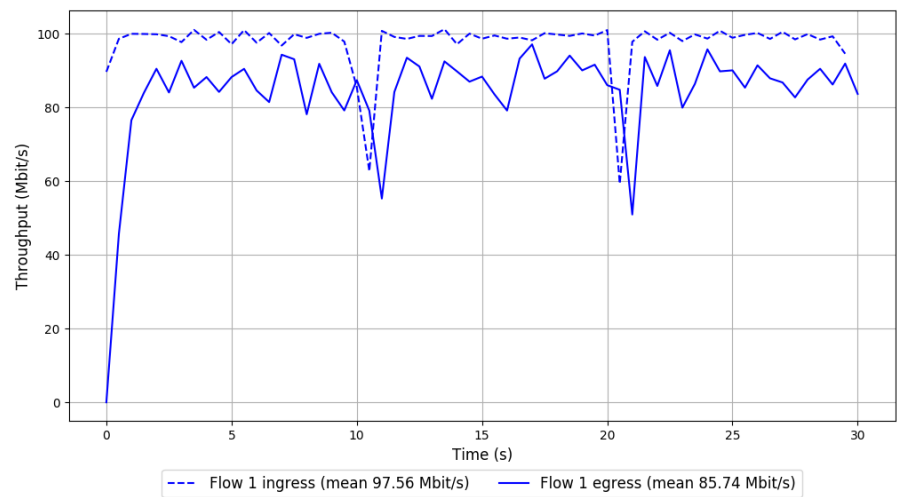


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 00:44:24
End at: 2018-08-01 00:44:54
Local clock offset: 1.635 ms
Remote clock offset: -6.419 ms

Below is generated by plot.py at 2018-08-01 03:20:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 22.341 ms
Loss rate: 12.10%
-- Flow 1:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 22.341 ms
Loss rate: 12.10%

Run 3: Report of FillP-Sheep — Data Link

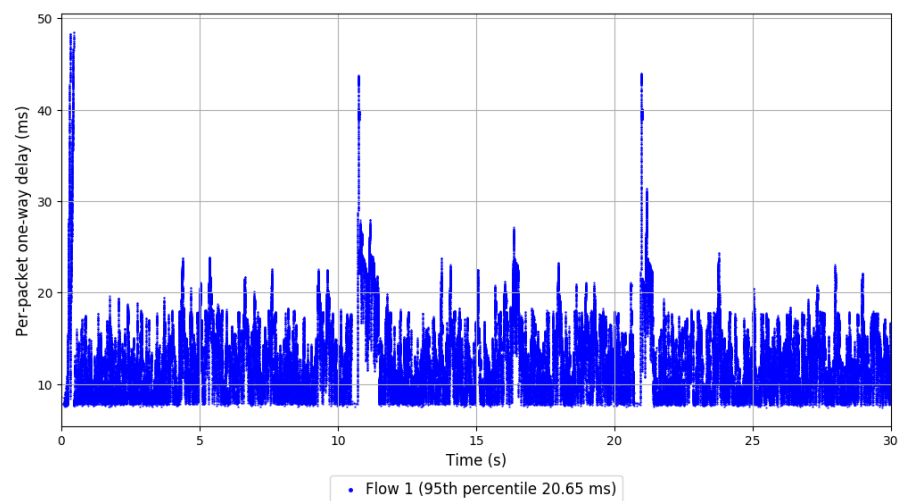
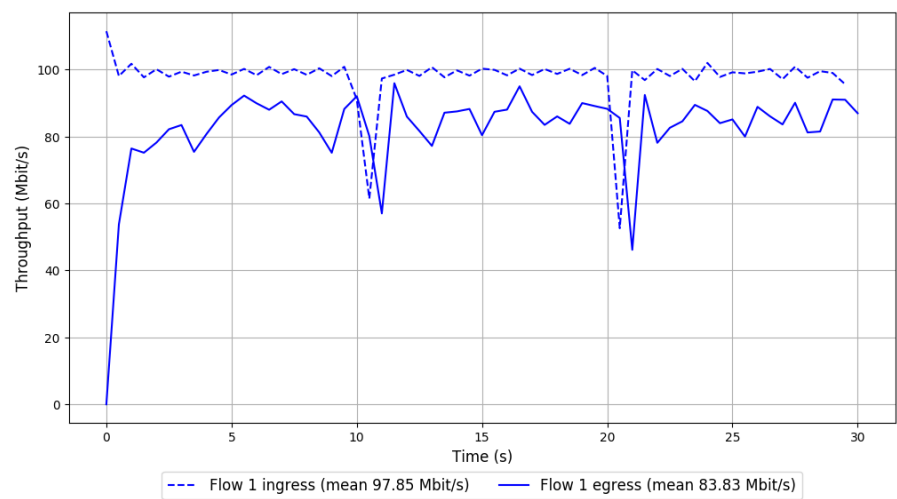


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 01:04:10
End at: 2018-08-01 01:04:40
Local clock offset: 2.084 ms
Remote clock offset: -3.793 ms

Below is generated by plot.py at 2018-08-01 03:20:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 20.654 ms
Loss rate: 14.31%
-- Flow 1:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 20.654 ms
Loss rate: 14.31%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 01:23:06

End at: 2018-08-01 01:23:36

Local clock offset: 2.817 ms

Remote clock offset: -2.226 ms

Below is generated by plot.py at 2018-08-01 03:20:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 22.759 ms

Loss rate: 11.77%

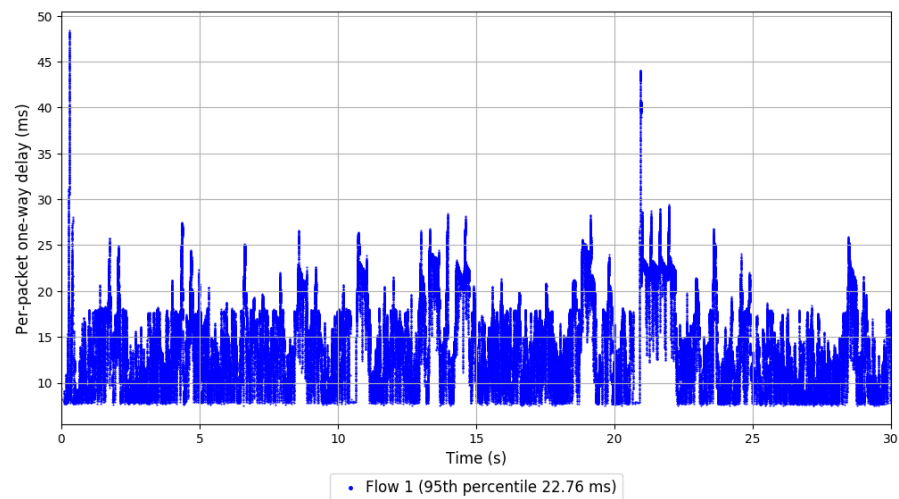
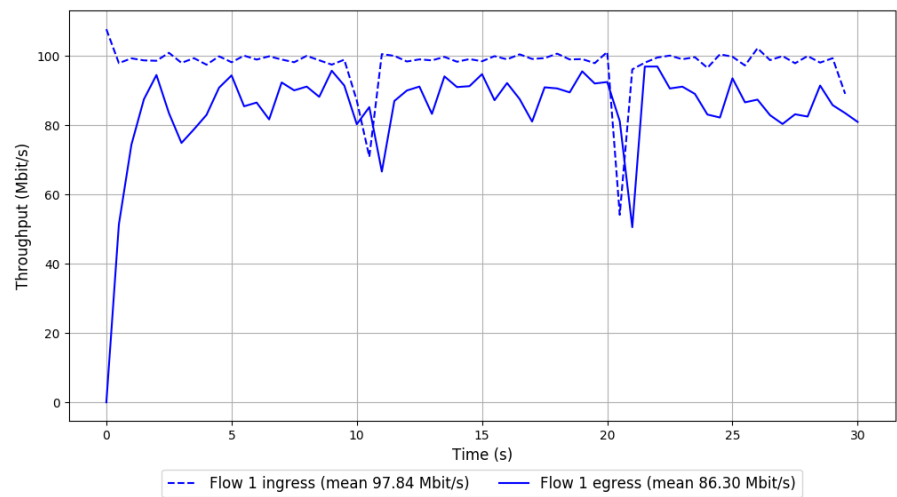
-- Flow 1:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 22.759 ms

Loss rate: 11.77%

Run 5: Report of FillP-Sheep — Data Link

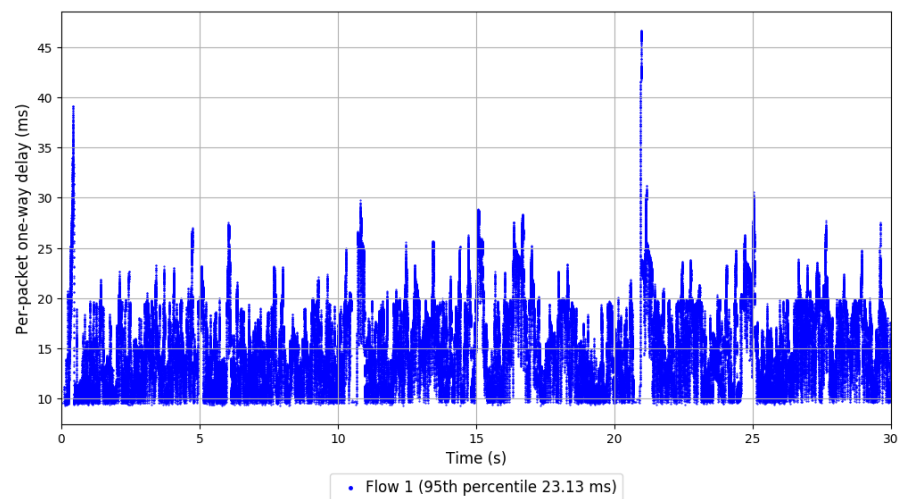
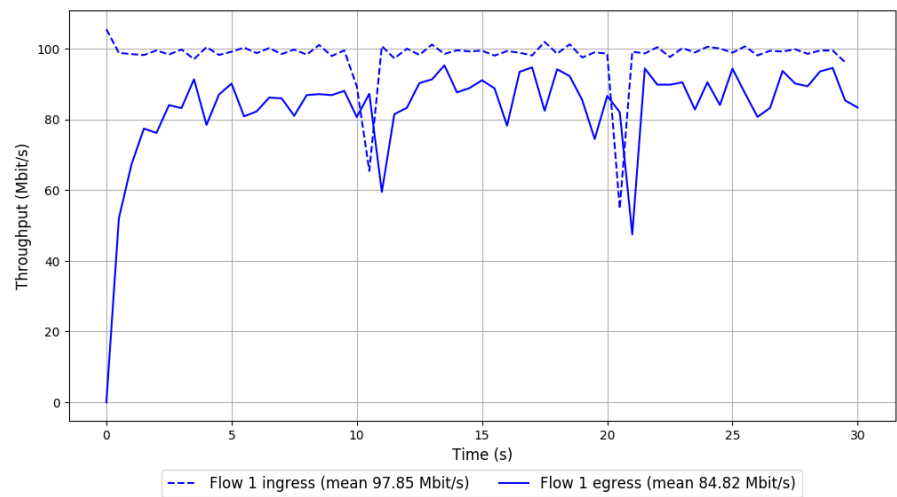


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 01:41:58
End at: 2018-08-01 01:42:28
Local clock offset: -1.462 ms
Remote clock offset: -7.357 ms

Below is generated by plot.py at 2018-08-01 03:20:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 23.127 ms
Loss rate: 13.31%
-- Flow 1:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 23.127 ms
Loss rate: 13.31%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 02:00:54

End at: 2018-08-01 02:01:24

Local clock offset: -0.952 ms

Remote clock offset: -10.049 ms

Below is generated by plot.py at 2018-08-01 03:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 22.858 ms

Loss rate: 13.61%

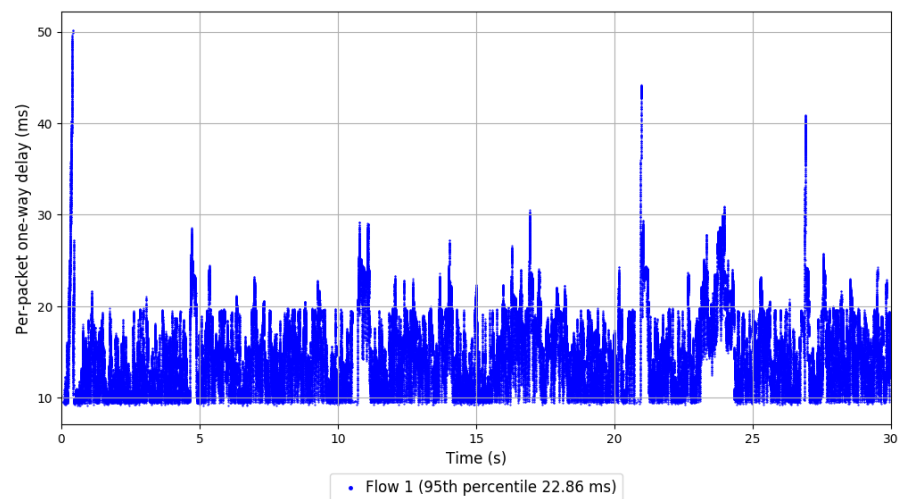
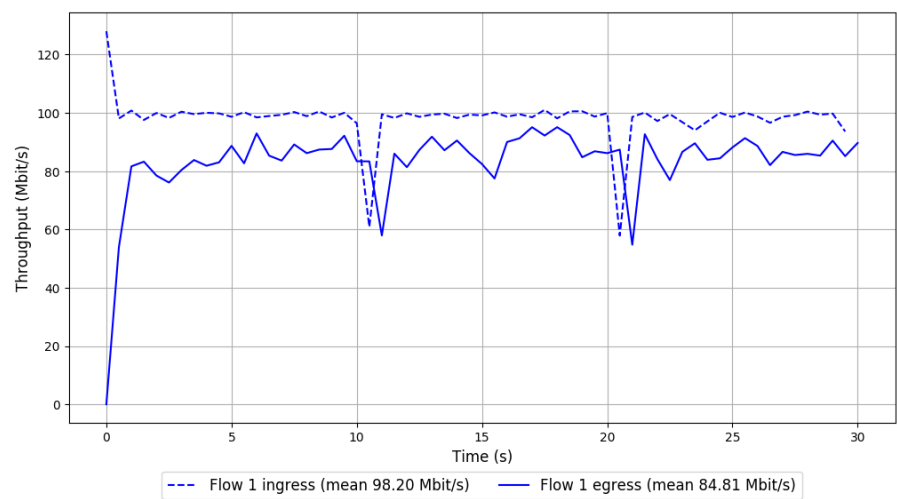
-- Flow 1:

Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 22.858 ms

Loss rate: 13.61%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 02:19:55

End at: 2018-08-01 02:20:25

Local clock offset: 1.426 ms

Remote clock offset: -10.274 ms

Below is generated by plot.py at 2018-08-01 03:20:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 22.846 ms

Loss rate: 15.38%

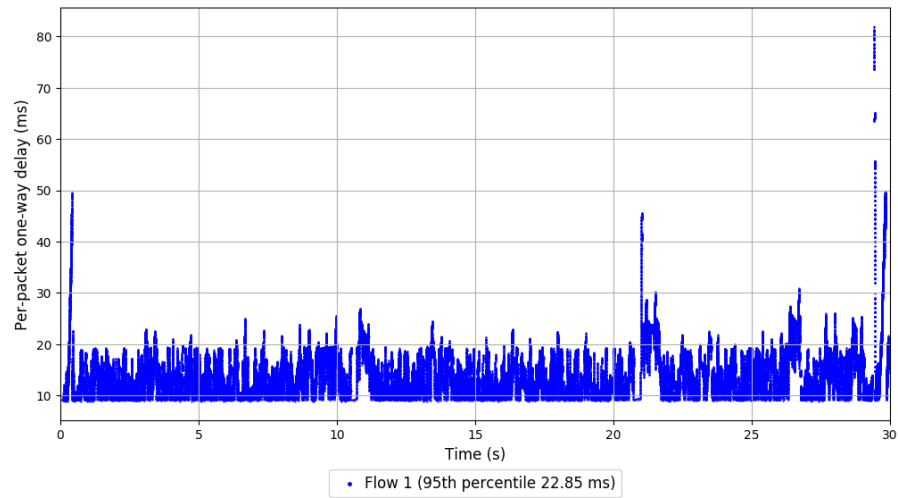
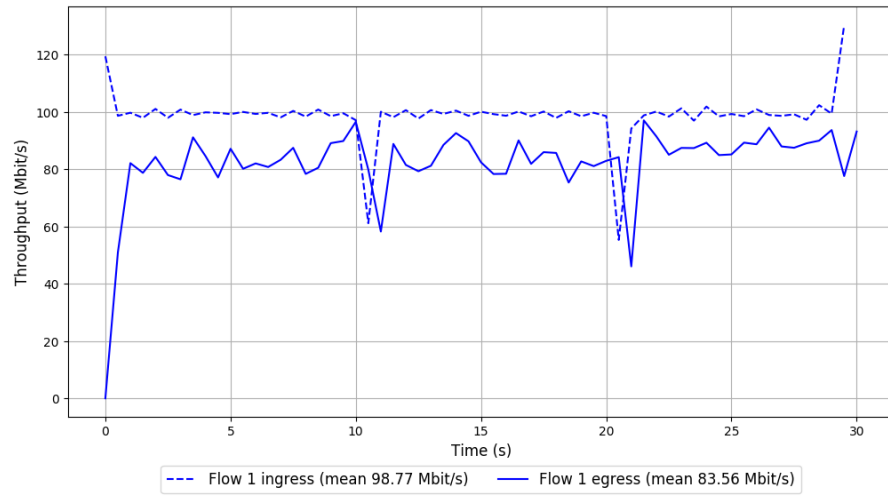
-- Flow 1:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 22.846 ms

Loss rate: 15.38%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 02:38:55

End at: 2018-08-01 02:39:25

Local clock offset: -0.293 ms

Remote clock offset: -12.262 ms

Below is generated by plot.py at 2018-08-01 03:20:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 21.926 ms

Loss rate: 16.19%

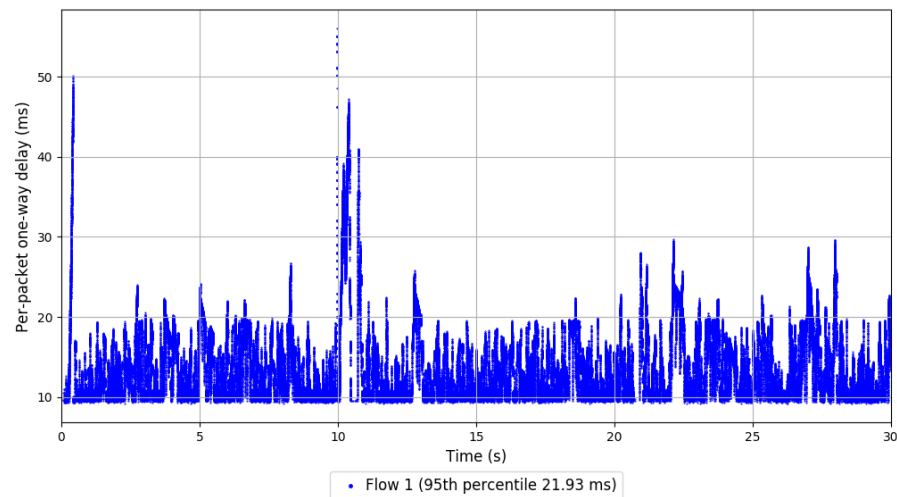
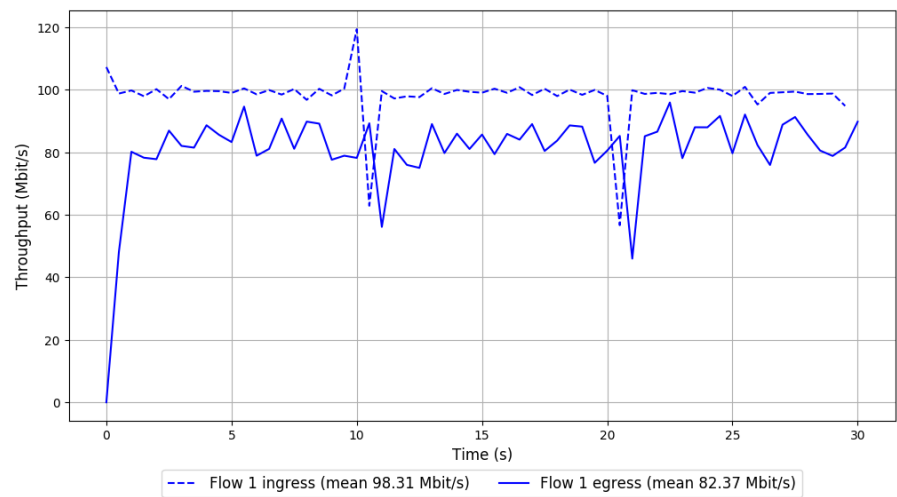
-- Flow 1:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 21.926 ms

Loss rate: 16.19%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 02:57:56

End at: 2018-08-01 02:58:26

Local clock offset: 0.477 ms

Remote clock offset: -4.05 ms

Below is generated by plot.py at 2018-08-01 03:21:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 22.985 ms

Loss rate: 16.45%

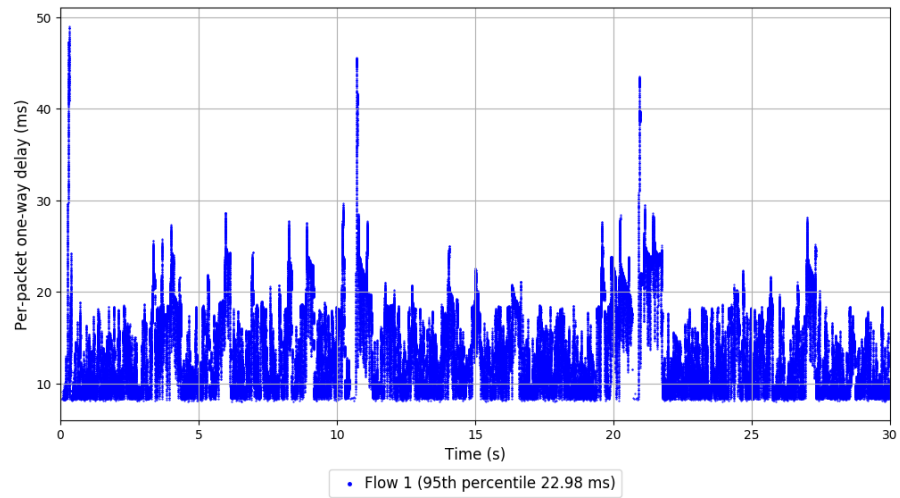
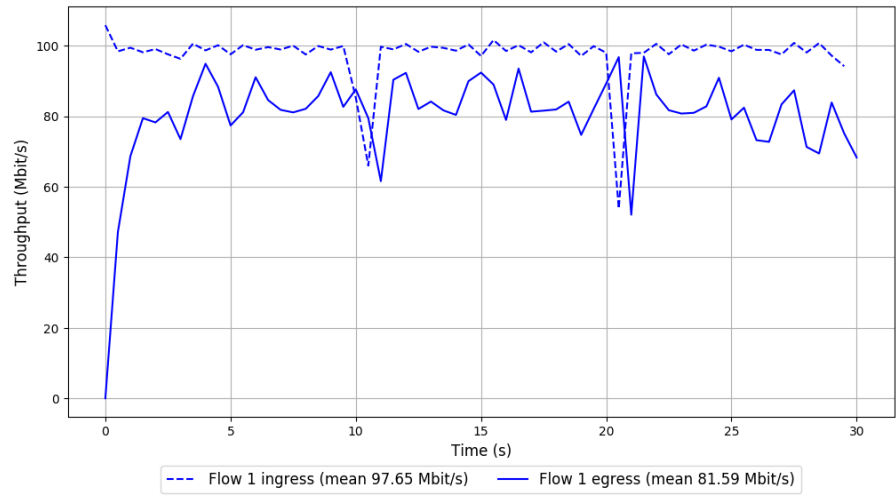
-- Flow 1:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 22.985 ms

Loss rate: 16.45%

Run 10: Report of FillP-Sheep — Data Link

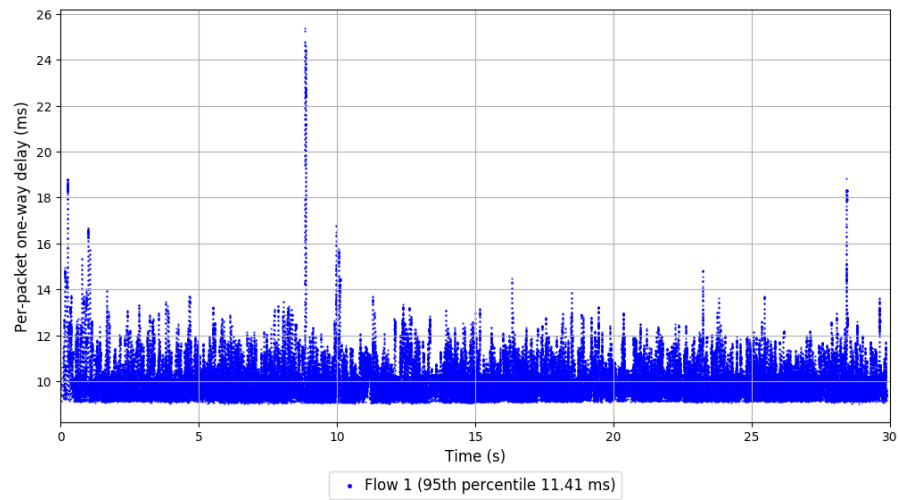
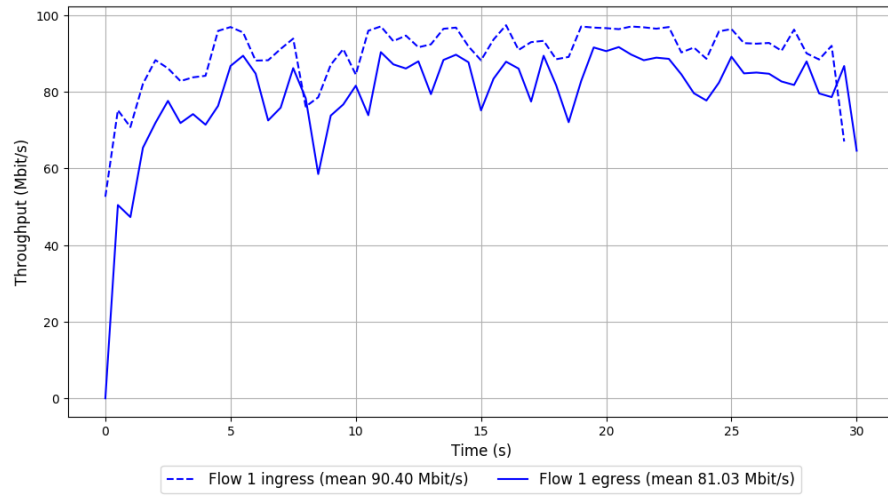


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 00:03:00
End at: 2018-08-01 00:03:30
Local clock offset: 1.717 ms
Remote clock offset: -8.42 ms

# Below is generated by plot.py at 2018-08-01 03:21:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 11.414 ms
Loss rate: 10.37%
-- Flow 1:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 11.414 ms
Loss rate: 10.37%
```

Run 1: Report of Indigo — Data Link

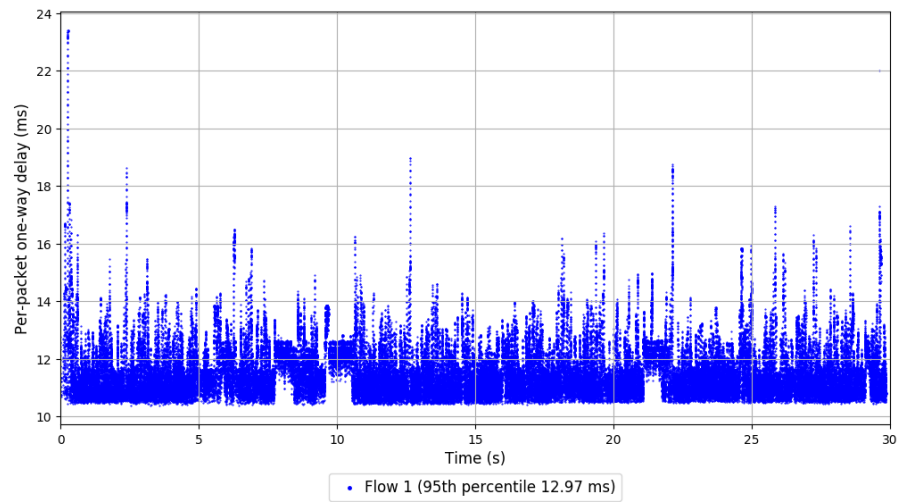
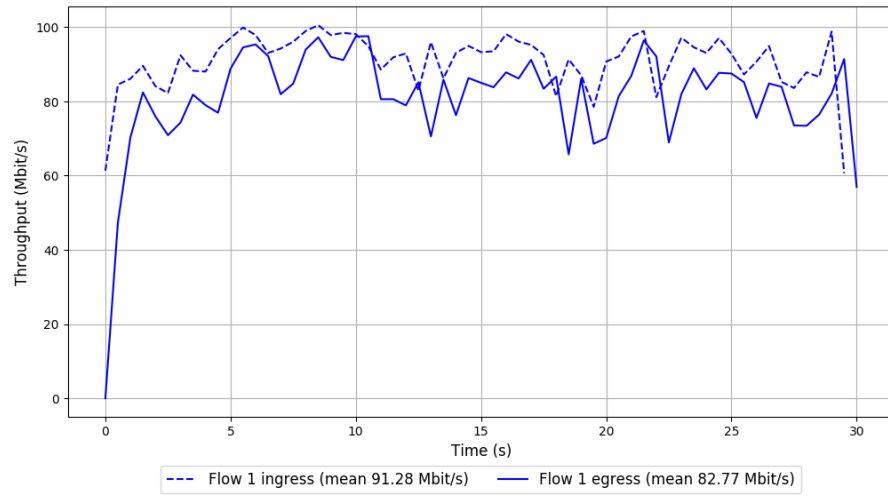


Run 2: Statistics of Indigo

Start at: 2018-08-01 00:21:57
End at: 2018-08-01 00:22:27
Local clock offset: 2.309 ms
Remote clock offset: -7.399 ms

Below is generated by plot.py at 2018-08-01 03:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 12.967 ms
Loss rate: 9.32%
-- Flow 1:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 12.967 ms
Loss rate: 9.32%

Run 2: Report of Indigo — Data Link

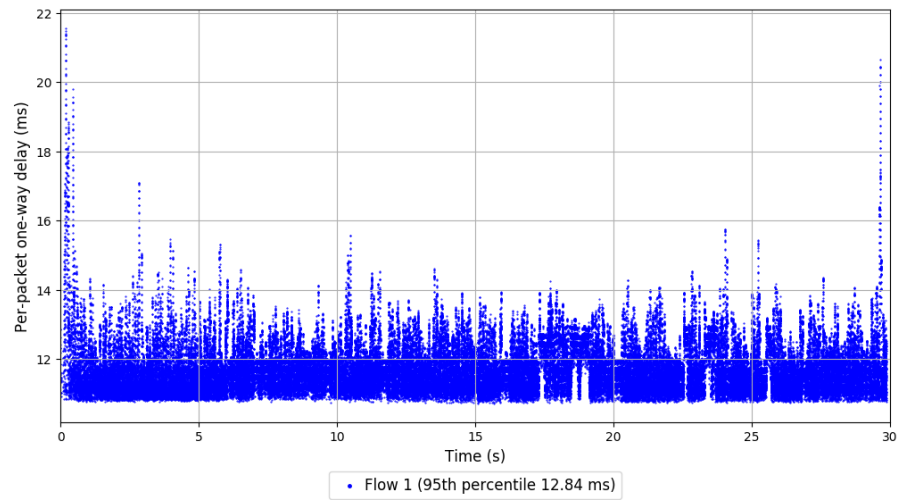
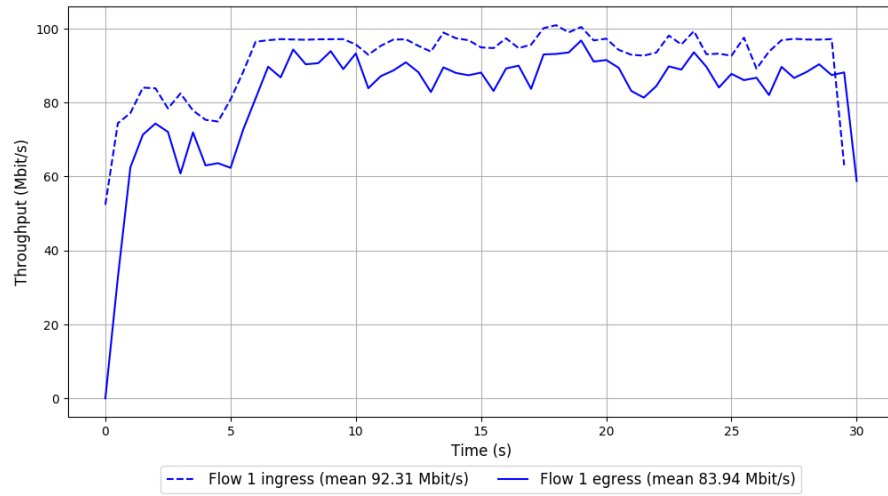


Run 3: Statistics of Indigo

Start at: 2018-08-01 00:41:06
End at: 2018-08-01 00:41:36
Local clock offset: 2.273 ms
Remote clock offset: -3.907 ms

Below is generated by plot.py at 2018-08-01 03:21:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 9.07%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 9.07%

Run 3: Report of Indigo — Data Link

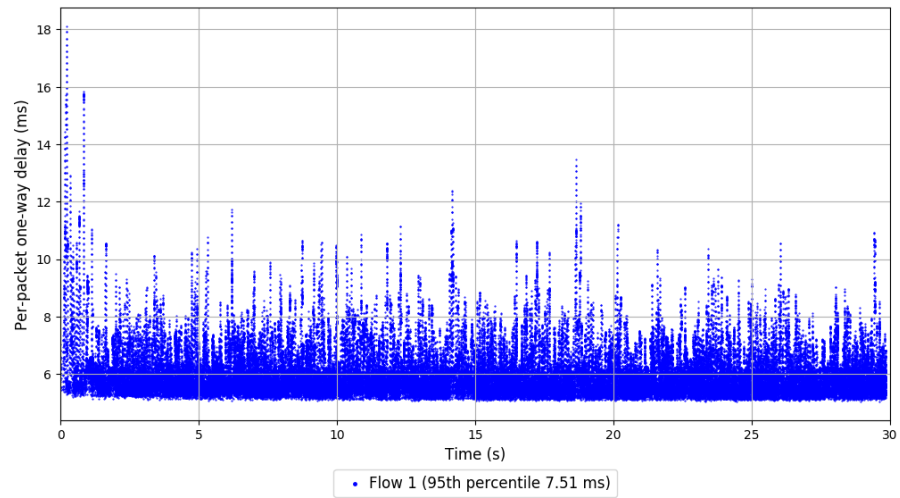
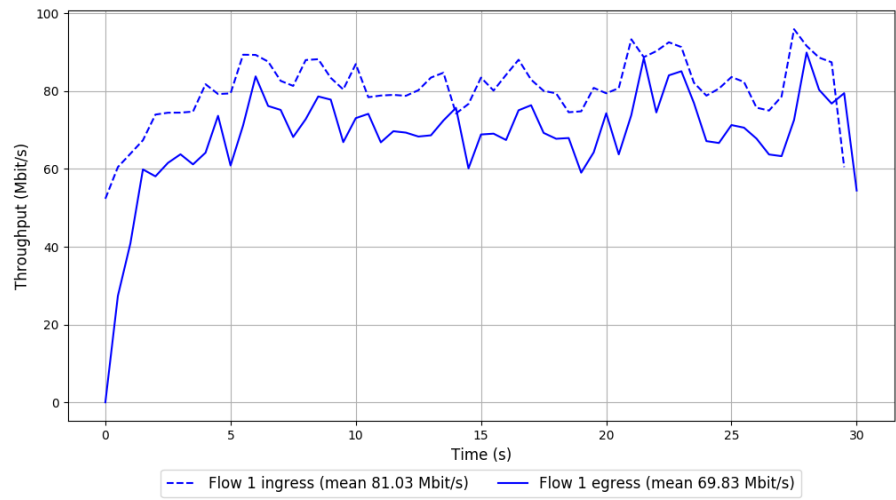


Run 4: Statistics of Indigo

Start at: 2018-08-01 01:00:28
End at: 2018-08-01 01:00:58
Local clock offset: 2.551 ms
Remote clock offset: -7.854 ms

Below is generated by plot.py at 2018-08-01 03:21:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 7.508 ms
Loss rate: 13.83%
-- Flow 1:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 7.508 ms
Loss rate: 13.83%

Run 4: Report of Indigo — Data Link

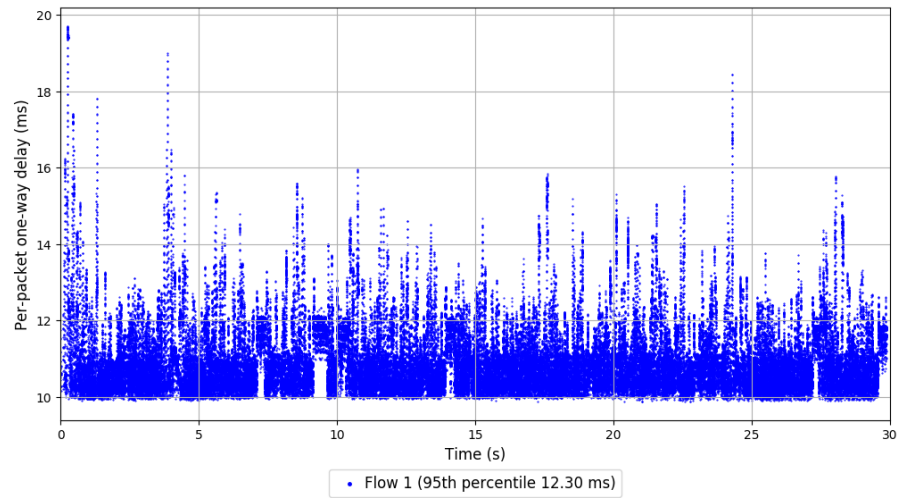
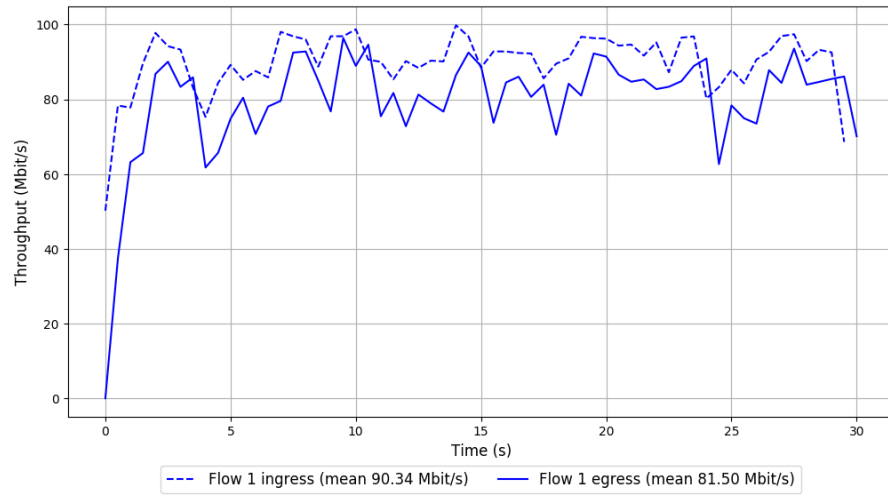


Run 5: Statistics of Indigo

Start at: 2018-08-01 01:19:48
End at: 2018-08-01 01:20:18
Local clock offset: 1.204 ms
Remote clock offset: -2.163 ms

Below is generated by plot.py at 2018-08-01 03:21:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 12.300 ms
Loss rate: 9.79%
-- Flow 1:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 12.300 ms
Loss rate: 9.79%

Run 5: Report of Indigo — Data Link

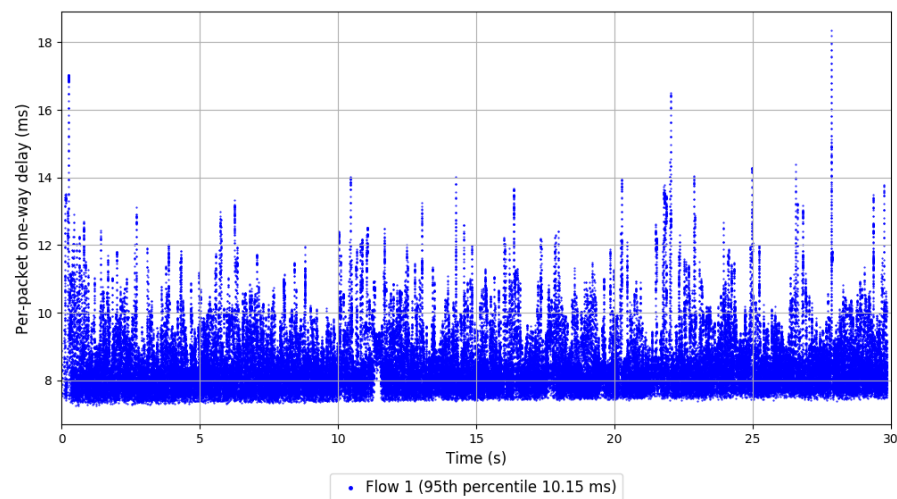
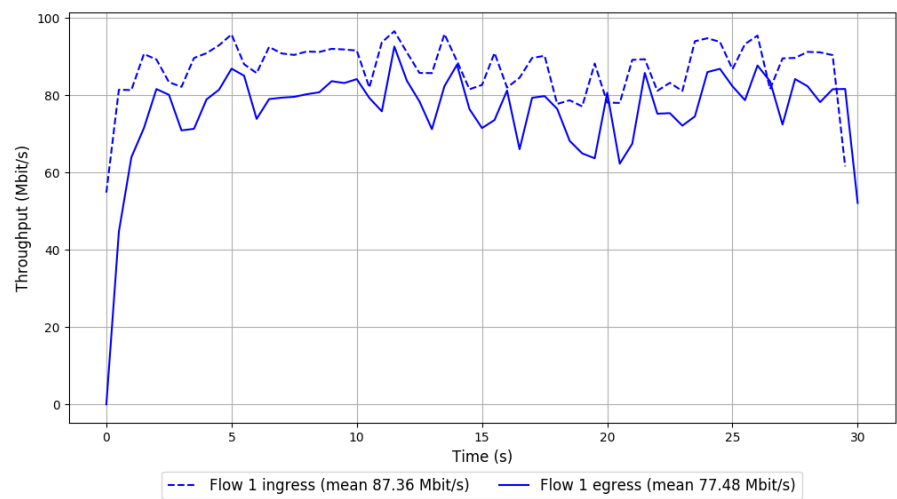


Run 6: Statistics of Indigo

Start at: 2018-08-01 01:38:40
End at: 2018-08-01 01:39:10
Local clock offset: 0.102 ms
Remote clock offset: -6.016 ms

Below is generated by plot.py at 2018-08-01 03:21:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 10.147 ms
Loss rate: 11.31%
-- Flow 1:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 10.147 ms
Loss rate: 11.31%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-01 01:57:36

End at: 2018-08-01 01:58:06

Local clock offset: 0.485 ms

Remote clock offset: -9.71 ms

Below is generated by plot.py at 2018-08-01 03:22:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.86 Mbit/s

95th percentile per-packet one-way delay: 10.366 ms

Loss rate: 9.29%

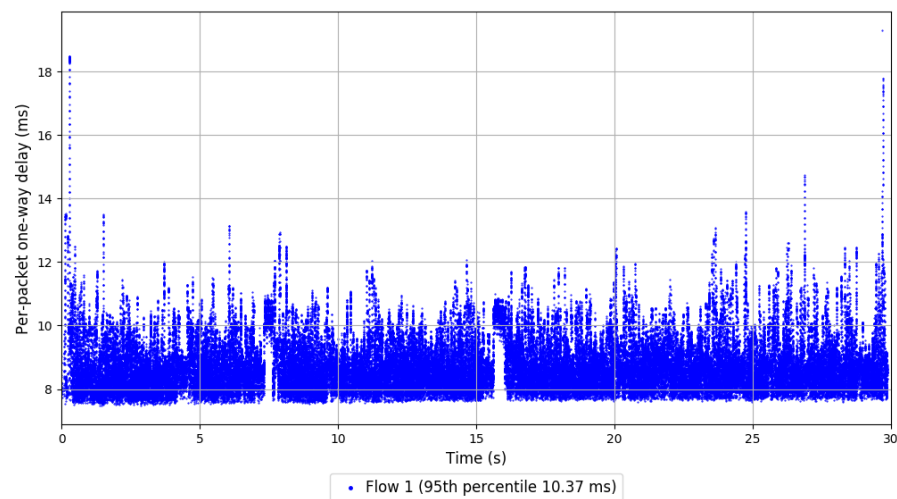
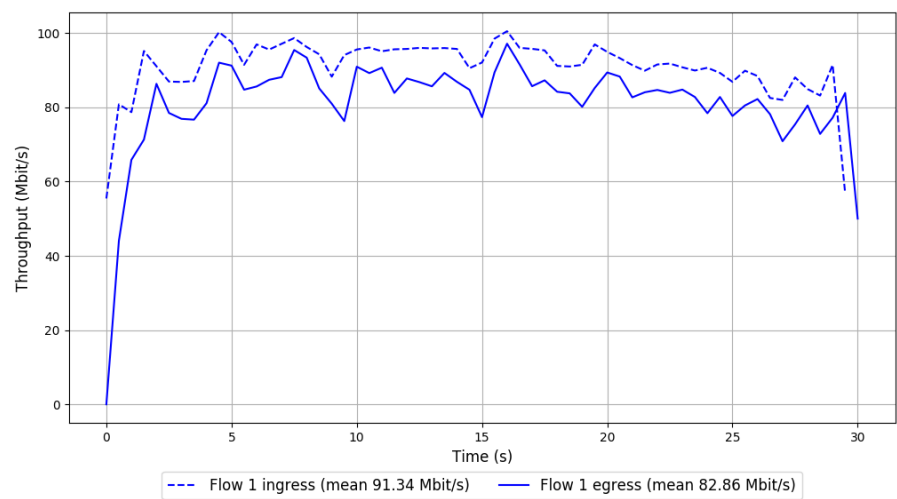
-- Flow 1:

Average throughput: 82.86 Mbit/s

95th percentile per-packet one-way delay: 10.366 ms

Loss rate: 9.29%

Run 7: Report of Indigo — Data Link

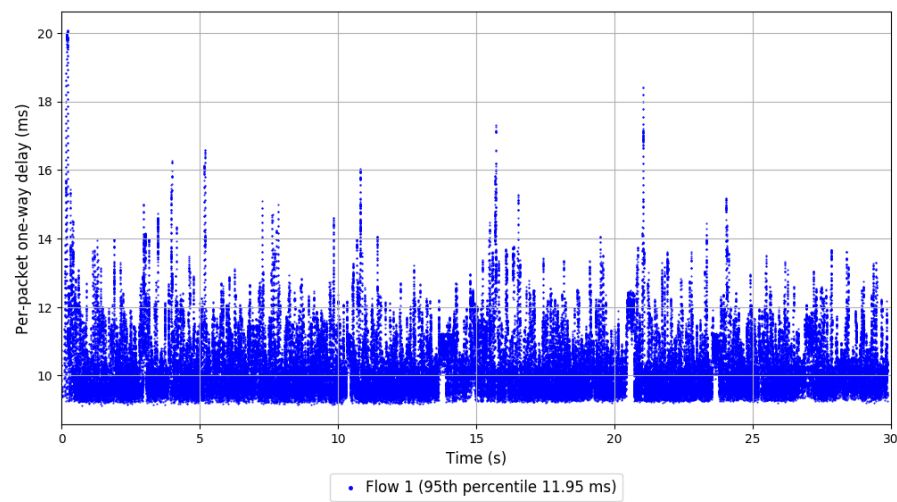
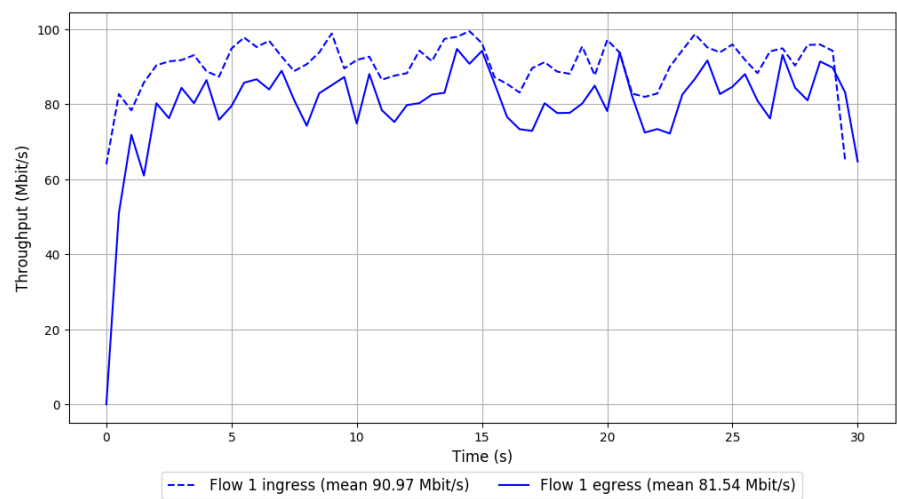


Run 8: Statistics of Indigo

Start at: 2018-08-01 02:16:33
End at: 2018-08-01 02:17:03
Local clock offset: -0.509 ms
Remote clock offset: -11.861 ms

Below is generated by plot.py at 2018-08-01 03:22:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 10.37%
-- Flow 1:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 10.37%

Run 8: Report of Indigo — Data Link

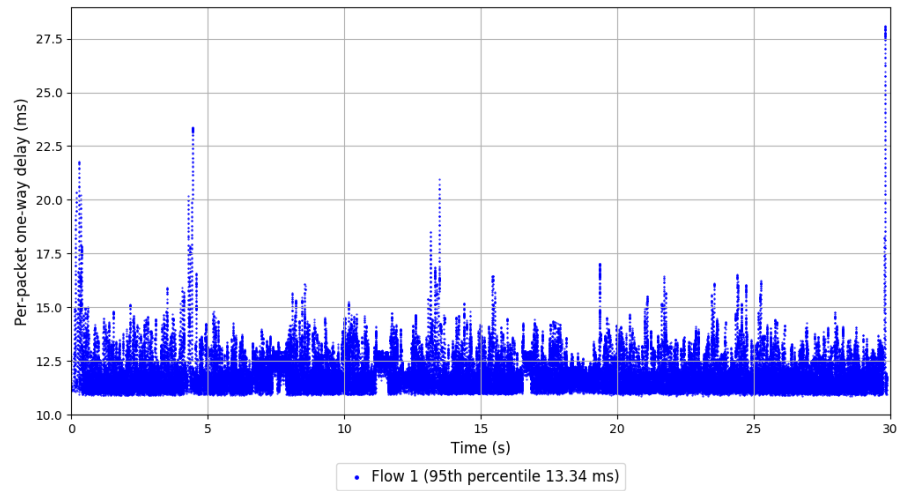
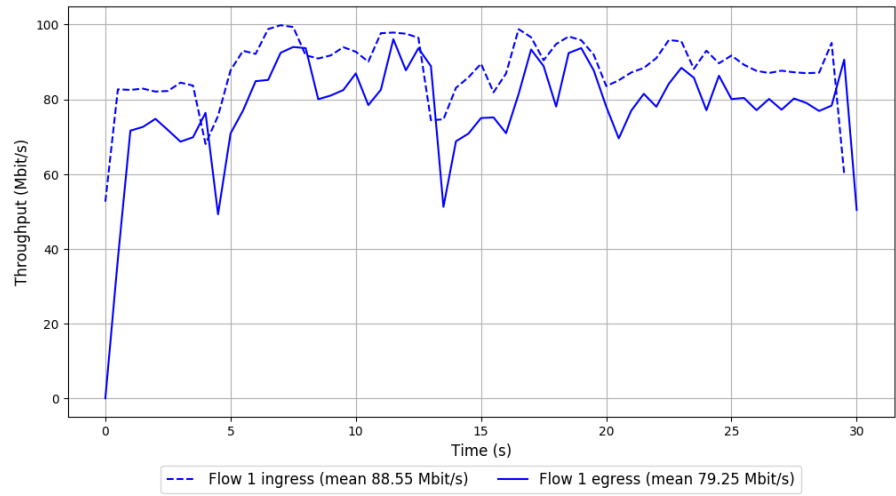


Run 9: Statistics of Indigo

Start at: 2018-08-01 02:35:30
End at: 2018-08-01 02:36:00
Local clock offset: -0.588 ms
Remote clock offset: -9.851 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 13.335 ms
Loss rate: 10.51%
-- Flow 1:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 13.335 ms
Loss rate: 10.51%

Run 9: Report of Indigo — Data Link

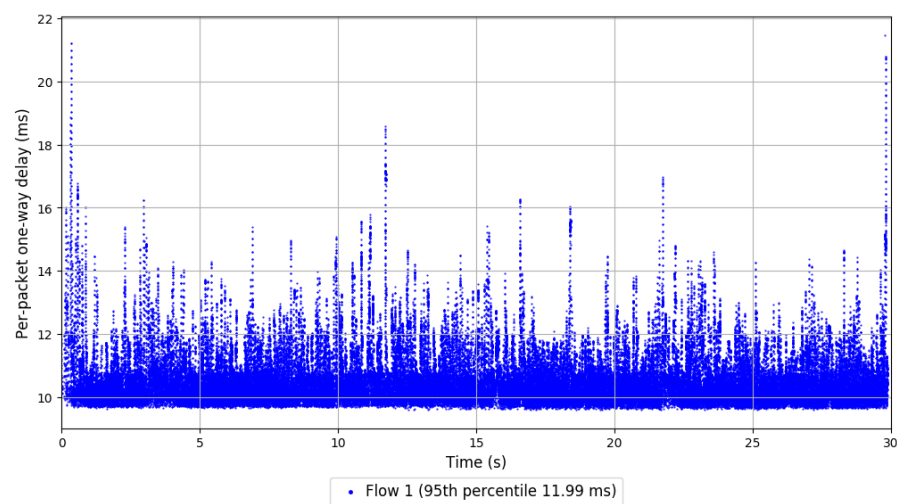
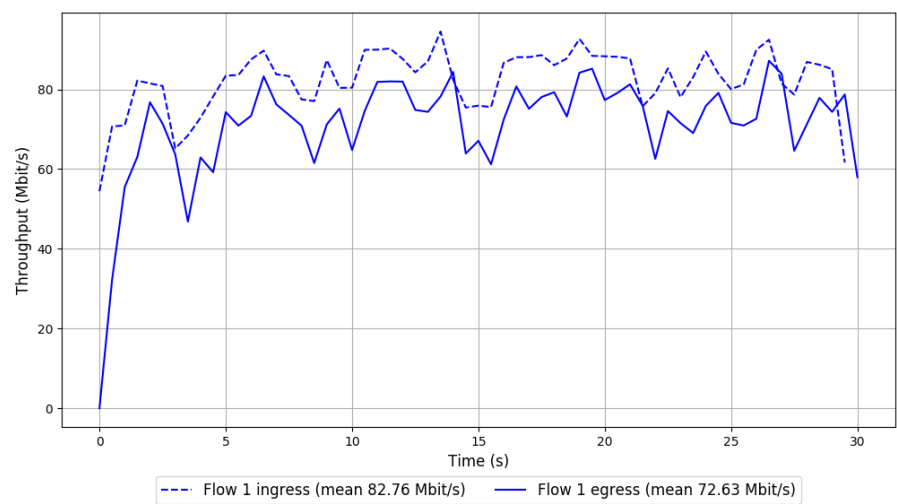


Run 10: Statistics of Indigo

Start at: 2018-08-01 02:54:39
End at: 2018-08-01 02:55:09
Local clock offset: 2.013 ms
Remote clock offset: -2.534 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 11.991 ms
Loss rate: 12.23%
-- Flow 1:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 11.991 ms
Loss rate: 12.23%

Run 10: Report of Indigo — Data Link

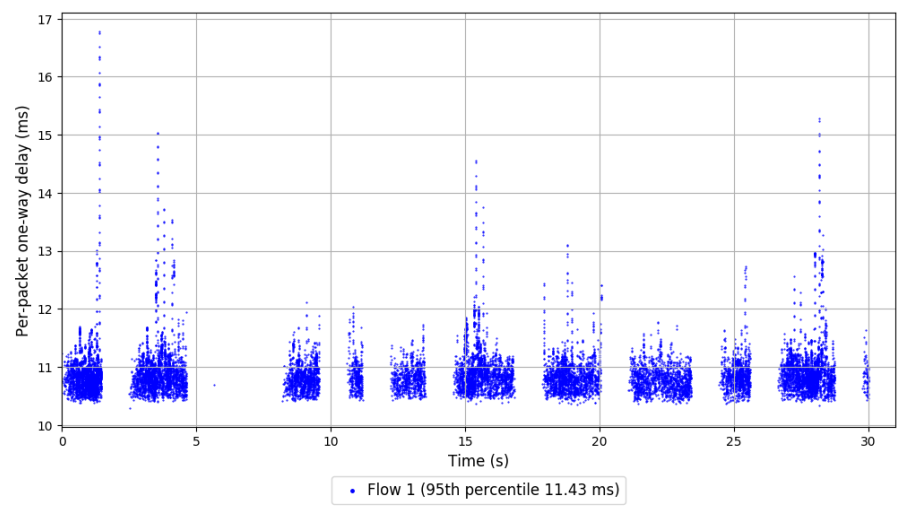
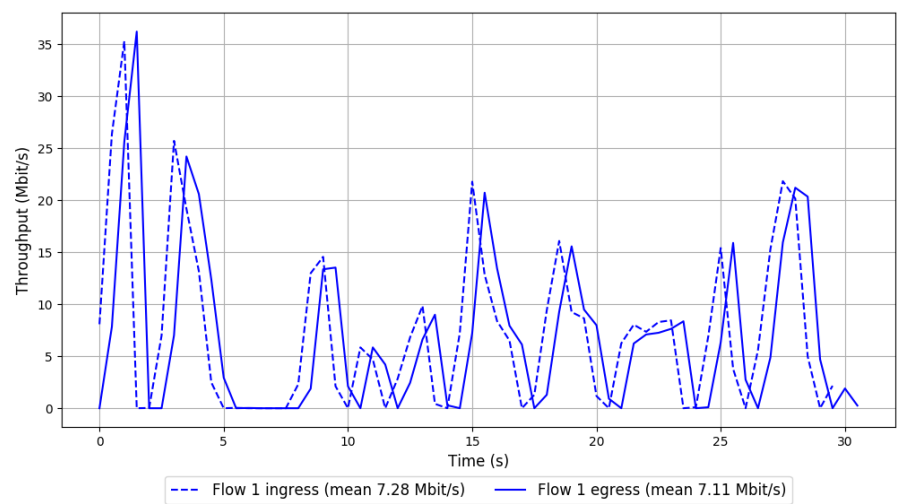


Run 1: Statistics of LEDBAT

Start at: 2018-08-01 00:01:56
End at: 2018-08-01 00:02:26
Local clock offset: 2.221 ms
Remote clock offset: -5.475 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 11.430 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 11.430 ms
Loss rate: 2.29%

Run 1: Report of LEDBAT — Data Link

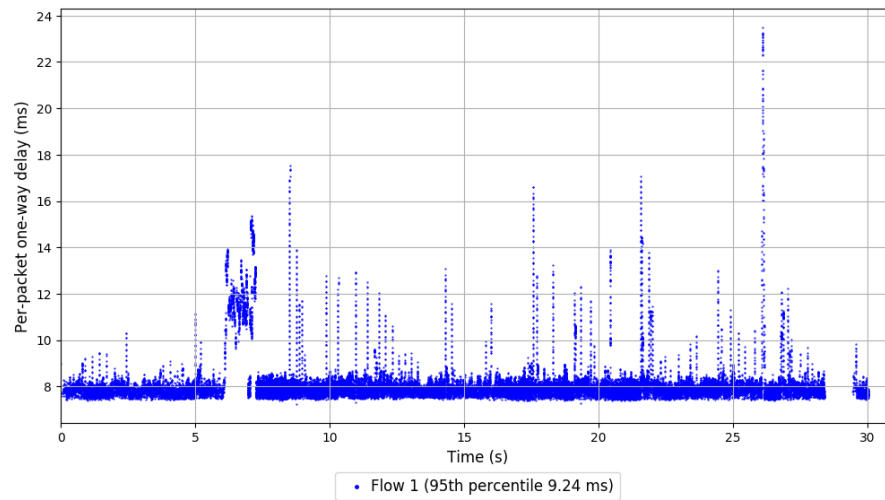
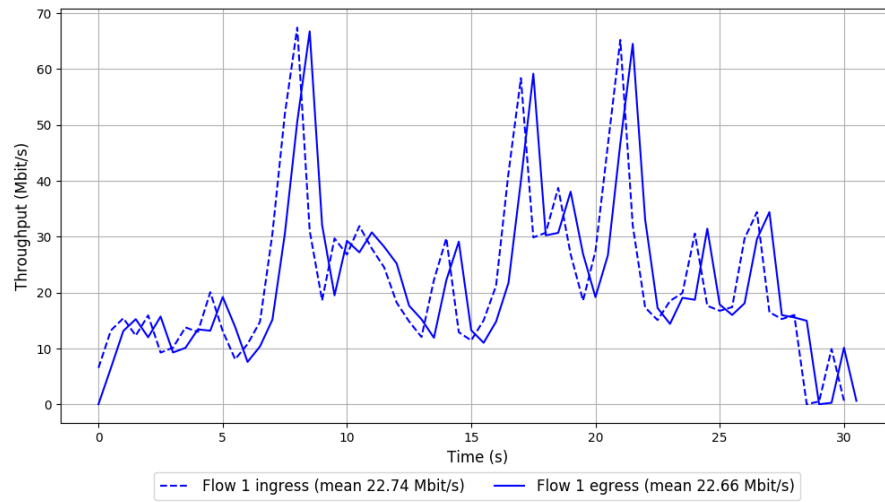


Run 2: Statistics of LEDBAT

Start at: 2018-08-01 00:20:51
End at: 2018-08-01 00:21:21
Local clock offset: 2.661 ms
Remote clock offset: -8.879 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 9.245 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 9.245 ms
Loss rate: 0.35%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-01 00:40:02

End at: 2018-08-01 00:40:32

Local clock offset: 1.237 ms

Remote clock offset: -3.38 ms

Below is generated by plot.py at 2018-08-01 03:22:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.79 Mbit/s

95th percentile per-packet one-way delay: 13.245 ms

Loss rate: 1.17%

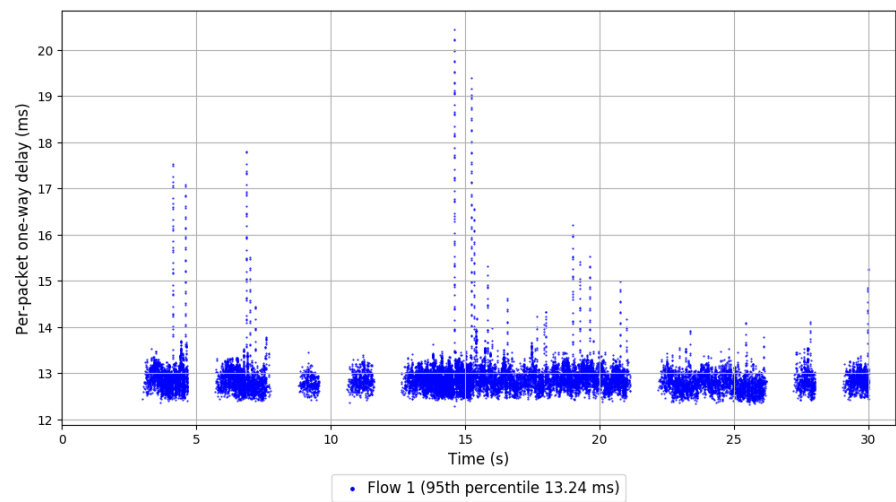
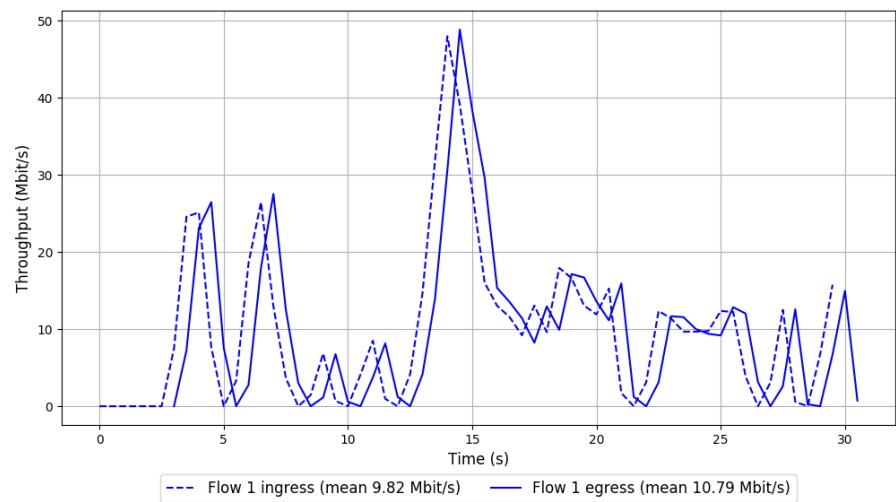
-- Flow 1:

Average throughput: 10.79 Mbit/s

95th percentile per-packet one-way delay: 13.245 ms

Loss rate: 1.17%

Run 3: Report of LEDBAT — Data Link

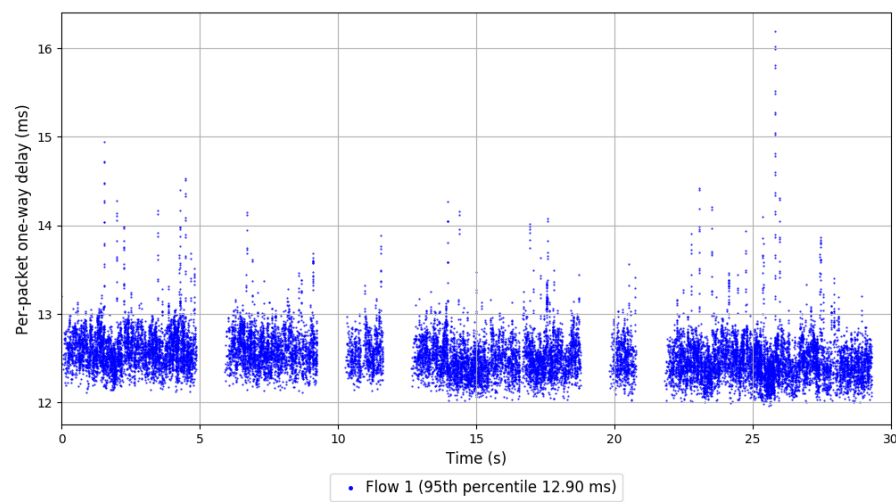
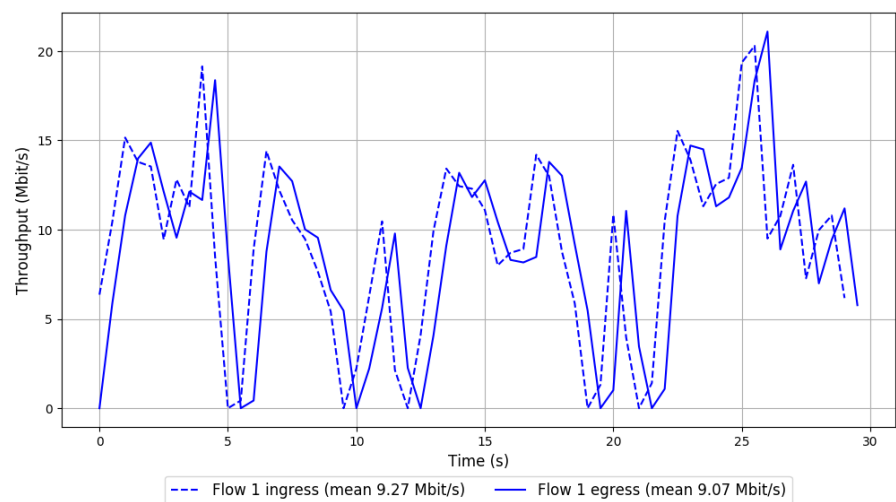


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 00:59:24
End at: 2018-08-01 00:59:54
Local clock offset: -0.041 ms
Remote clock offset: -2.693 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 12.903 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 12.903 ms
Loss rate: 2.21%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-01 01:18:44

End at: 2018-08-01 01:19:14

Local clock offset: 0.509 ms

Remote clock offset: 0.83 ms

Below is generated by plot.py at 2018-08-01 03:22:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 14.628 ms

Loss rate: 1.54%

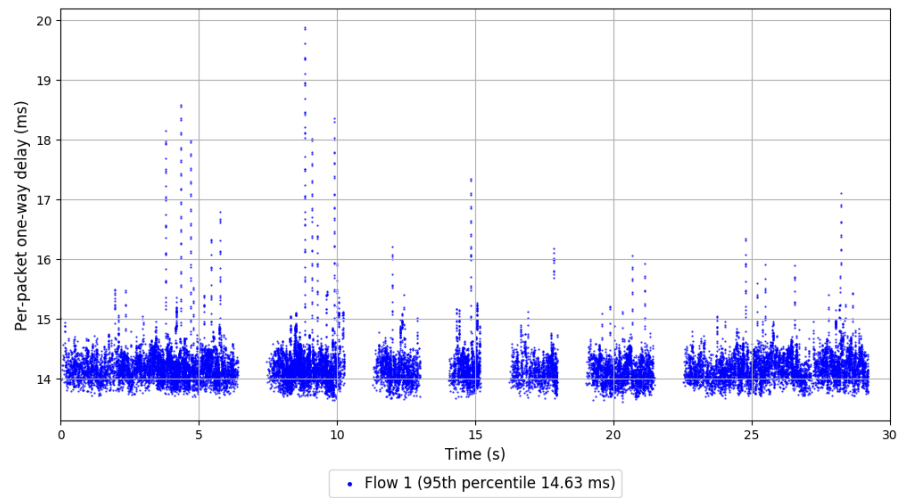
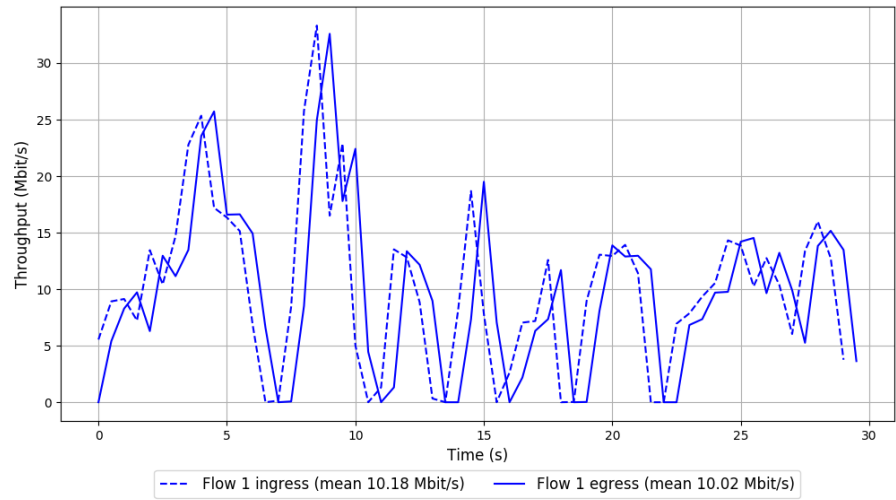
-- Flow 1:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 14.628 ms

Loss rate: 1.54%

Run 5: Report of LEDBAT — Data Link

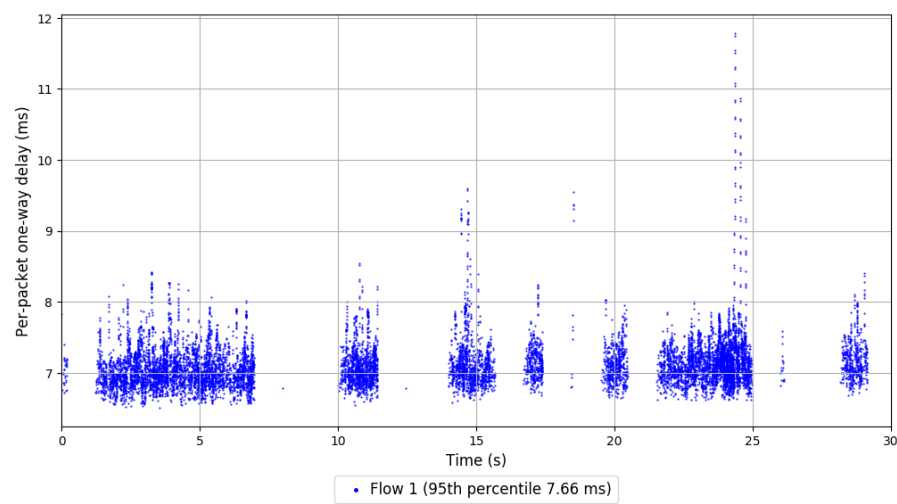
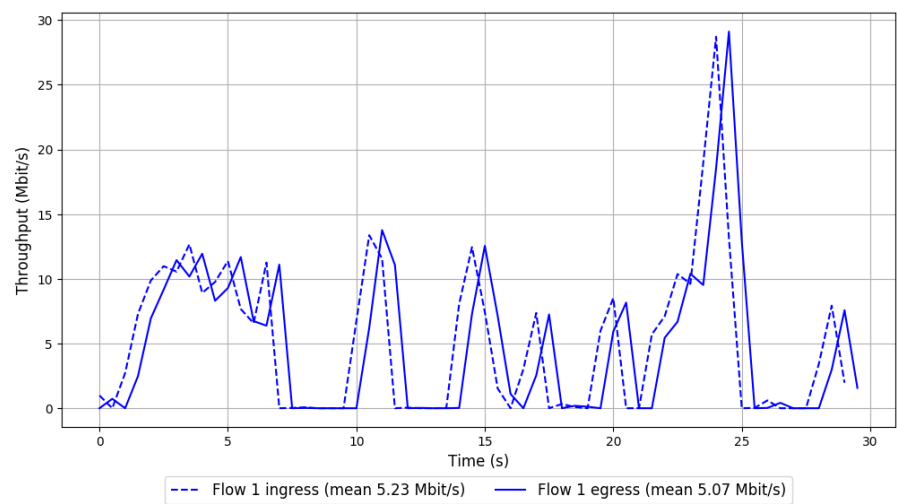


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 01:37:35
End at: 2018-08-01 01:38:05
Local clock offset: 0.435 ms
Remote clock offset: -6.132 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 7.658 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 7.658 ms
Loss rate: 3.25%

Run 6: Report of LEDBAT — Data Link

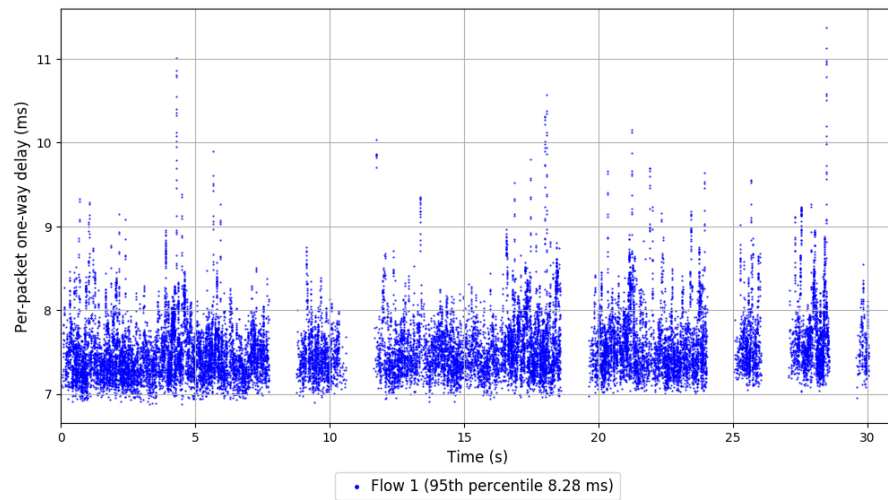
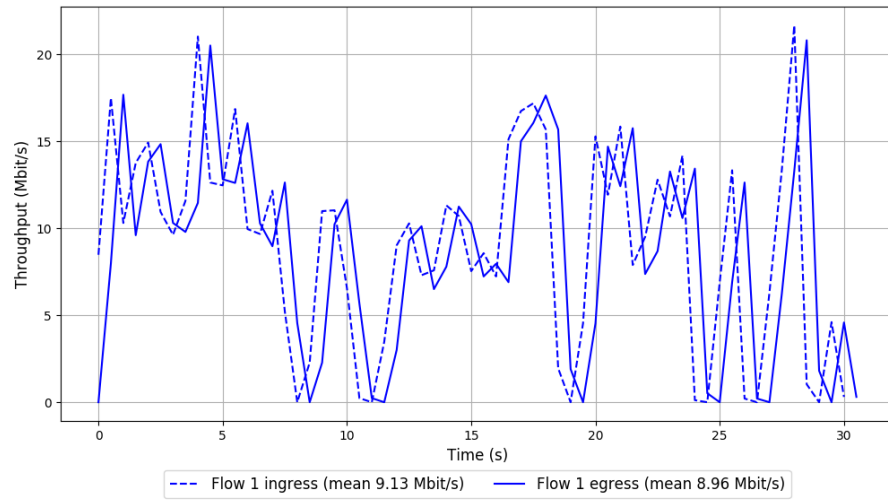


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 01:56:32
End at: 2018-08-01 01:57:02
Local clock offset: 0.737 ms
Remote clock offset: -9.821 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 8.276 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 8.276 ms
Loss rate: 1.78%

Run 7: Report of LEDBAT — Data Link

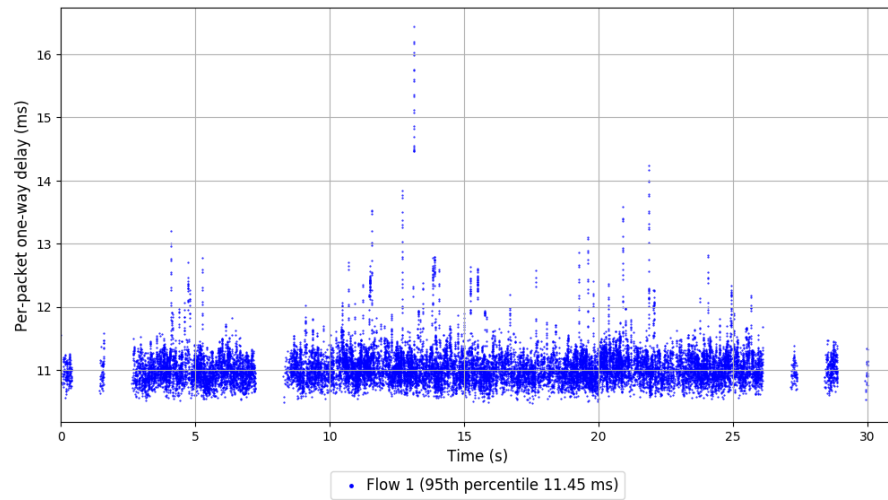
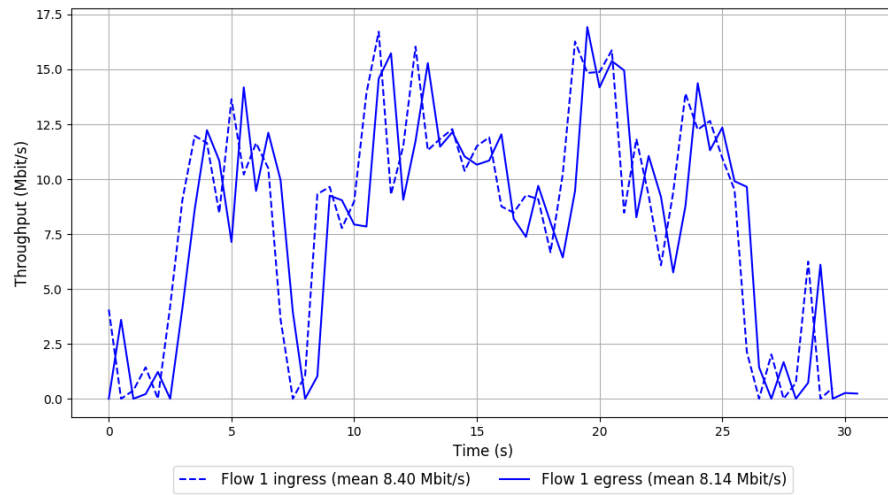


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 02:15:28
End at: 2018-08-01 02:15:58
Local clock offset: -2.795 ms
Remote clock offset: -12.721 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 11.454 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 11.454 ms
Loss rate: 3.08%

Run 8: Report of LEDBAT — Data Link

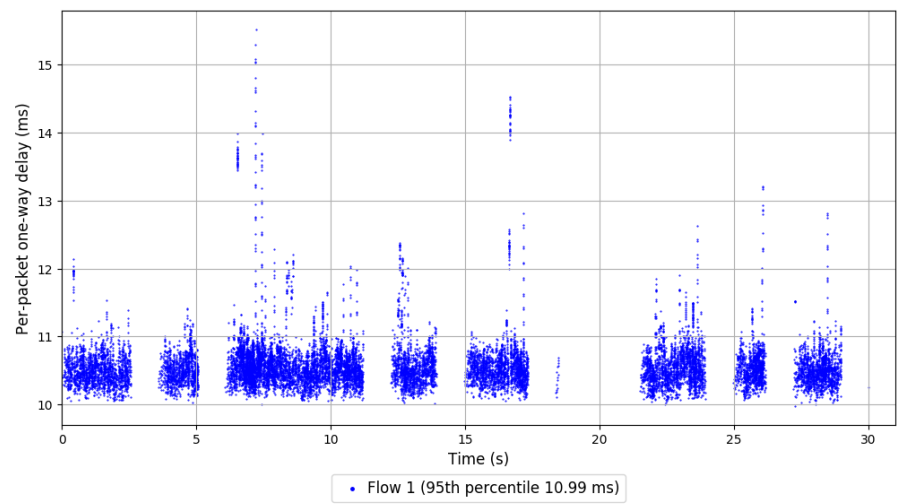
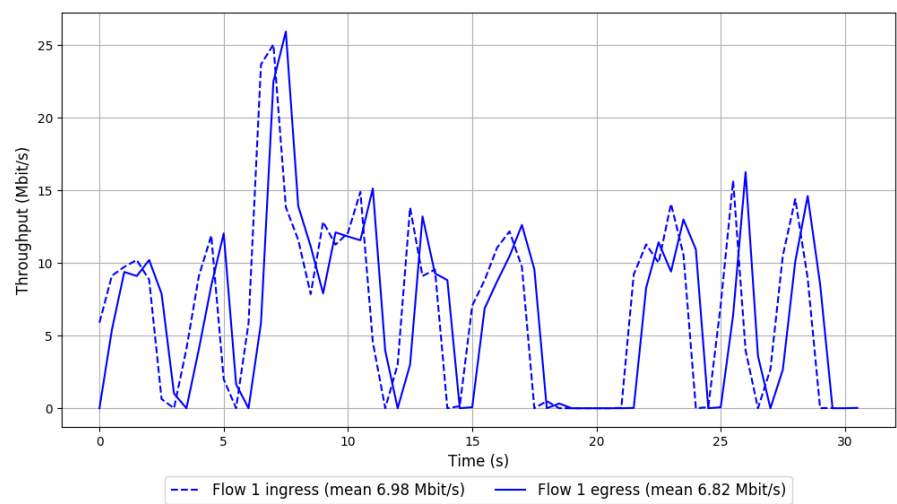


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 02:34:25
End at: 2018-08-01 02:34:55
Local clock offset: 0.381 ms
Remote clock offset: -9.804 ms

Below is generated by plot.py at 2018-08-01 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 10.994 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 10.994 ms
Loss rate: 2.20%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-01 02:53:34

End at: 2018-08-01 02:54:04

Local clock offset: 1.259 ms

Remote clock offset: -3.036 ms

Below is generated by plot.py at 2018-08-01 03:22:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.07 Mbit/s

95th percentile per-packet one-way delay: 10.951 ms

Loss rate: 1.53%

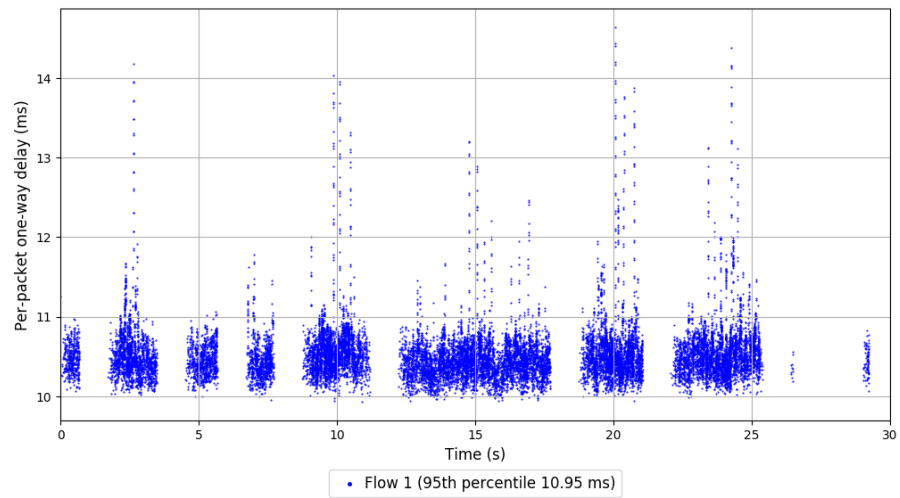
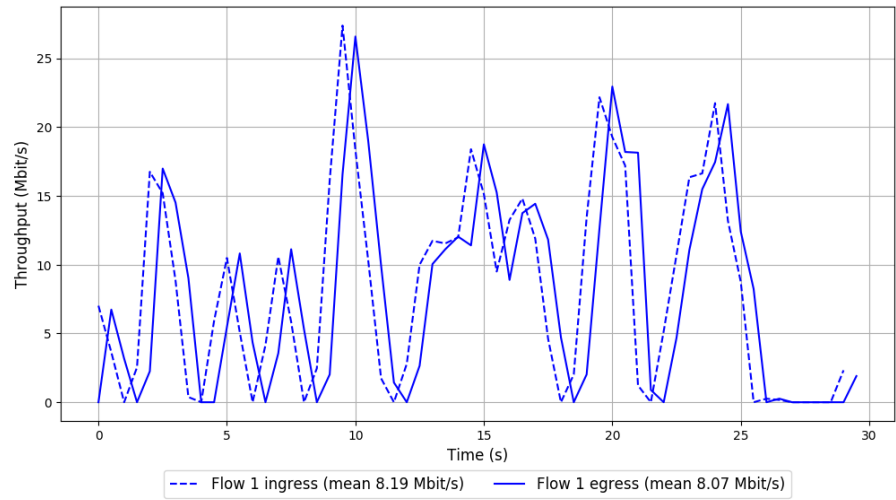
-- Flow 1:

Average throughput: 8.07 Mbit/s

95th percentile per-packet one-way delay: 10.951 ms

Loss rate: 1.53%

Run 10: Report of LEDBAT — Data Link

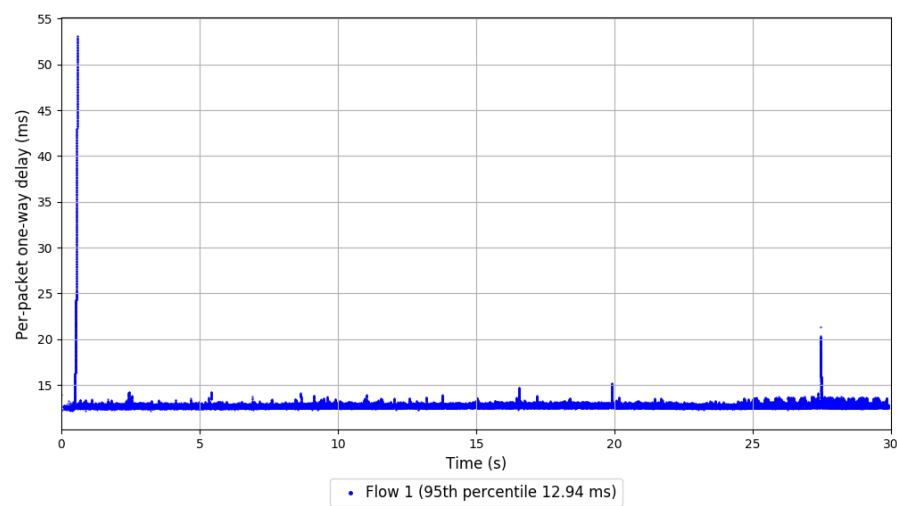
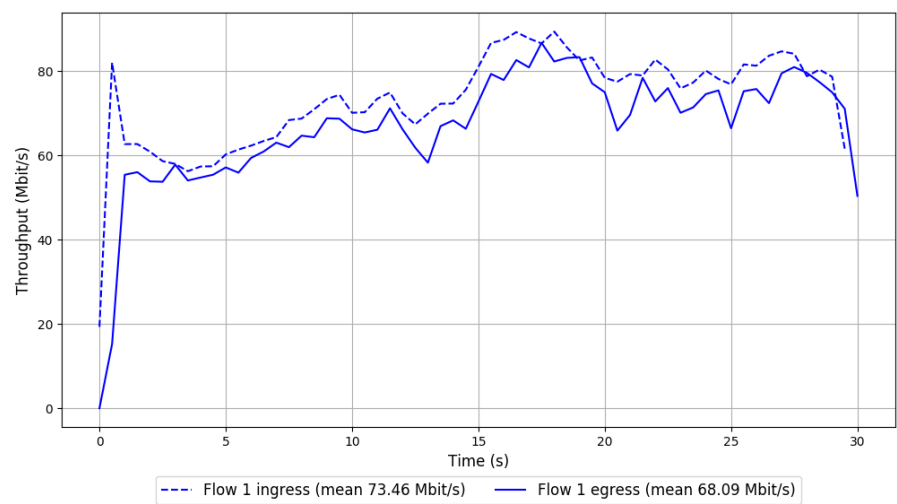


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 00:14:02
End at: 2018-08-01 00:14:32
Local clock offset: 0.422 ms
Remote clock offset: -5.671 ms

# Below is generated by plot.py at 2018-08-01 03:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: 12.940 ms
Loss rate: 7.32%
-- Flow 1:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: 12.940 ms
Loss rate: 7.32%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 00:33:06

End at: 2018-08-01 00:33:36

Local clock offset: 2.935 ms

Remote clock offset: -4.157 ms

Below is generated by plot.py at 2018-08-01 03:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.46 Mbit/s

95th percentile per-packet one-way delay: 10.816 ms

Loss rate: 9.20%

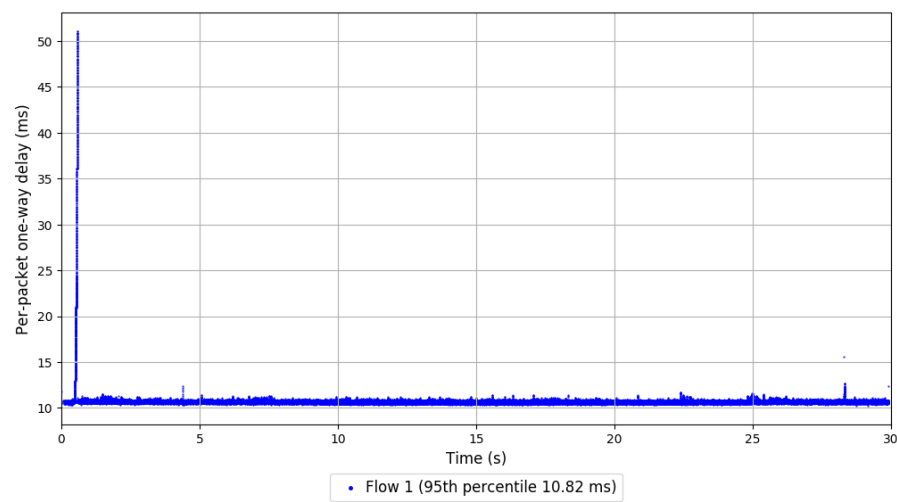
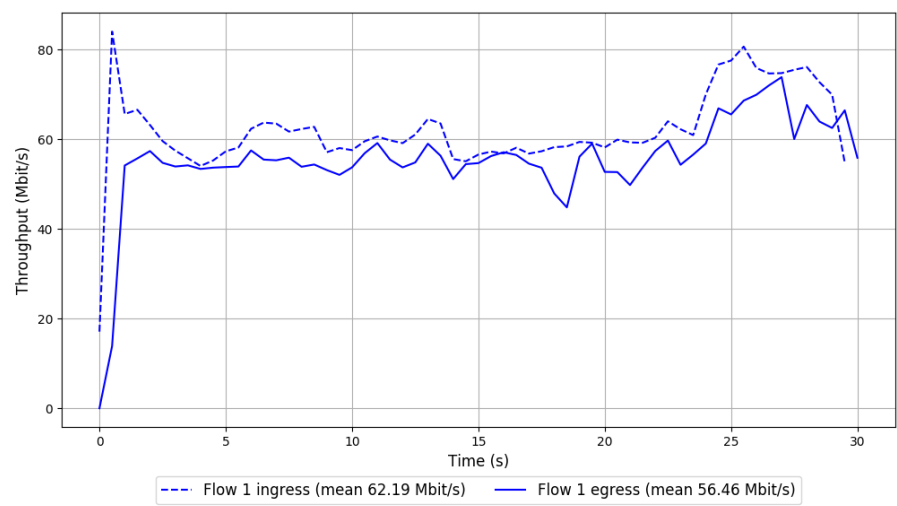
-- Flow 1:

Average throughput: 56.46 Mbit/s

95th percentile per-packet one-way delay: 10.816 ms

Loss rate: 9.20%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 00:52:32

End at: 2018-08-01 00:53:02

Local clock offset: 3.317 ms

Remote clock offset: -6.216 ms

Below is generated by plot.py at 2018-08-01 03:23:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.79 Mbit/s

95th percentile per-packet one-way delay: 7.917 ms

Loss rate: 9.73%

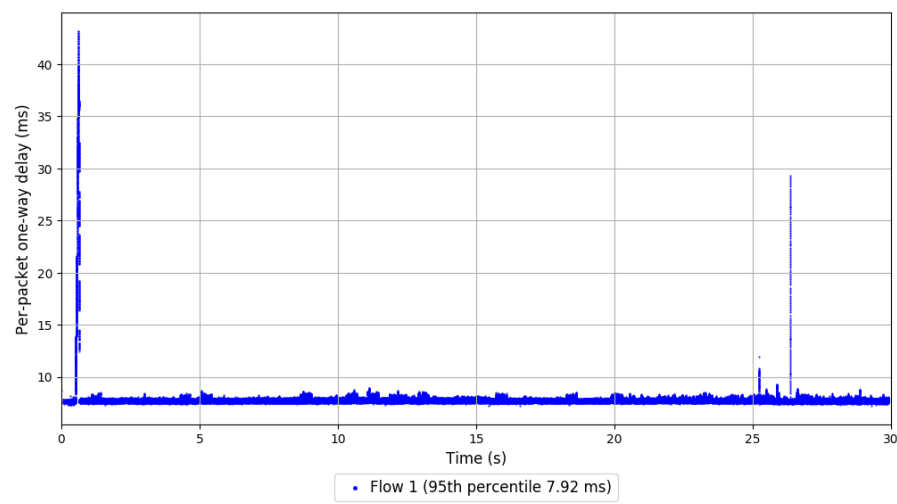
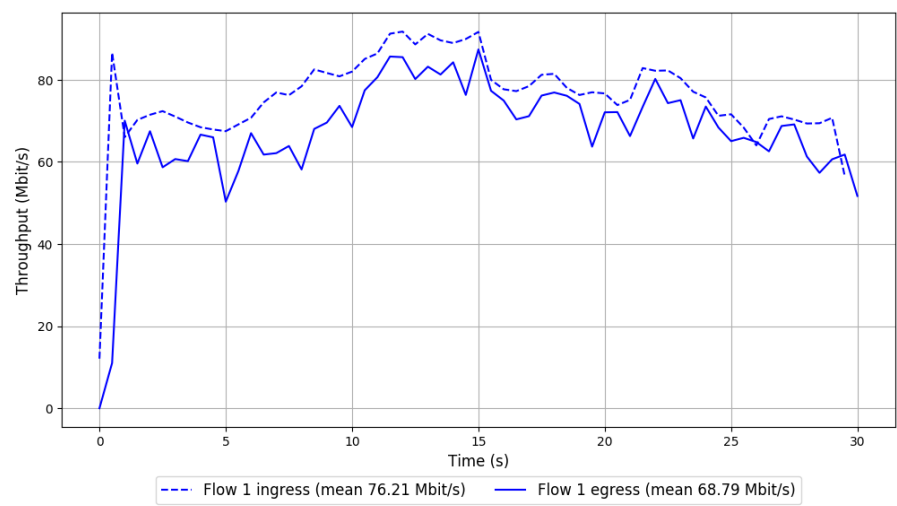
-- Flow 1:

Average throughput: 68.79 Mbit/s

95th percentile per-packet one-way delay: 7.917 ms

Loss rate: 9.73%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 01:11:52

End at: 2018-08-01 01:12:22

Local clock offset: 3.155 ms

Remote clock offset: -3.681 ms

Below is generated by plot.py at 2018-08-01 03:23:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 7.427 ms

Loss rate: 7.96%

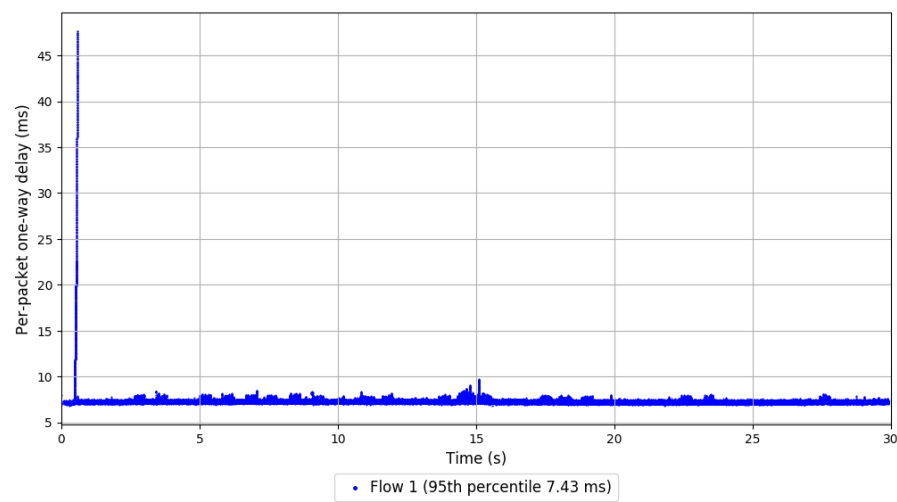
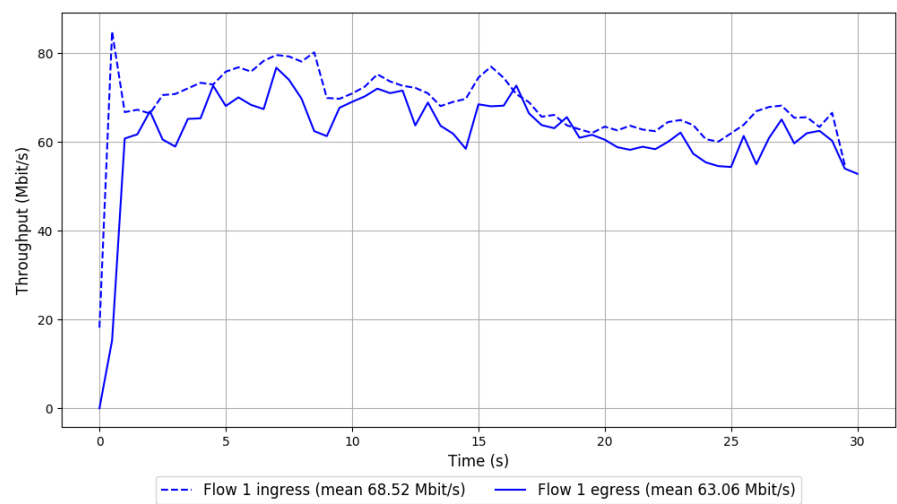
-- Flow 1:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 7.427 ms

Loss rate: 7.96%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 01:30:48

End at: 2018-08-01 01:31:19

Local clock offset: 1.11 ms

Remote clock offset: -2.158 ms

Below is generated by plot.py at 2018-08-01 03:23:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 8.043 ms

Loss rate: 3.50%

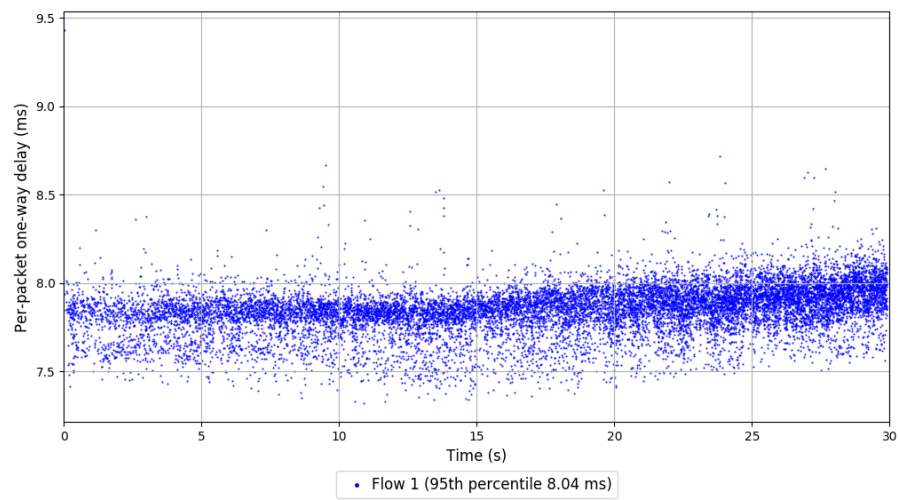
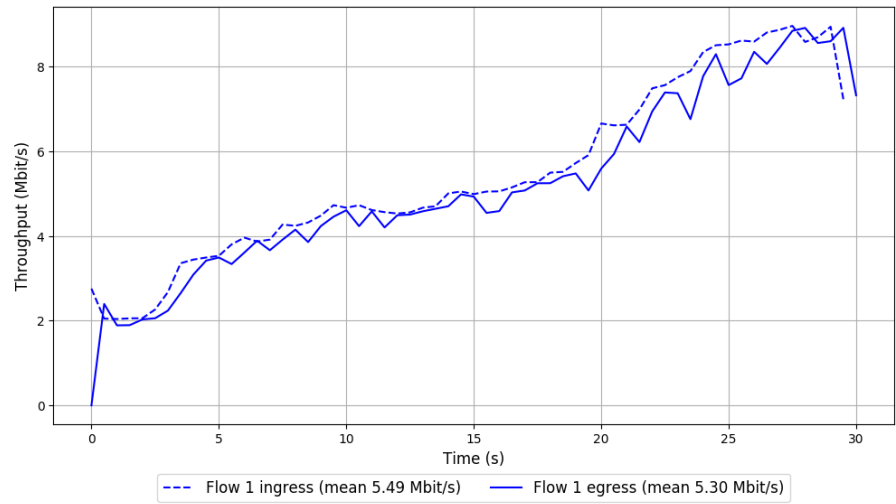
-- Flow 1:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 8.043 ms

Loss rate: 3.50%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 01:49:42

End at: 2018-08-01 01:50:12

Local clock offset: -2.62 ms

Remote clock offset: -7.707 ms

Below is generated by plot.py at 2018-08-01 03:23:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.57 Mbit/s

95th percentile per-packet one-way delay: 12.531 ms

Loss rate: 10.46%

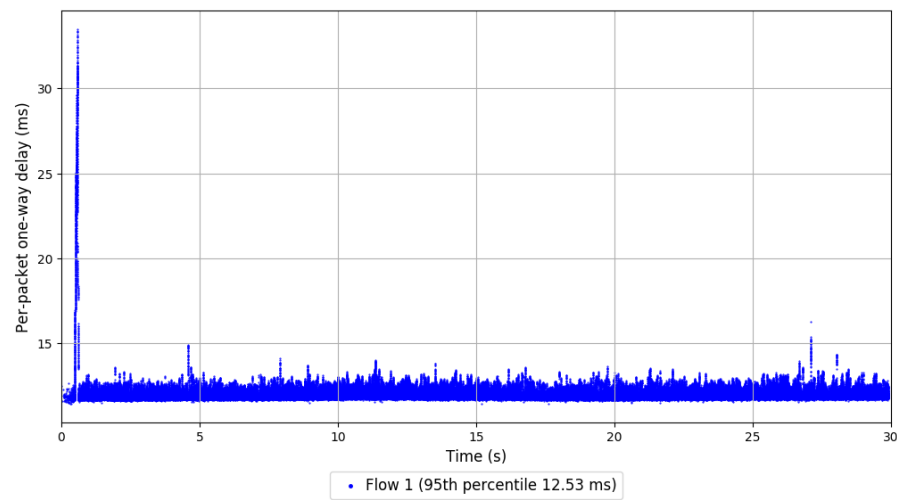
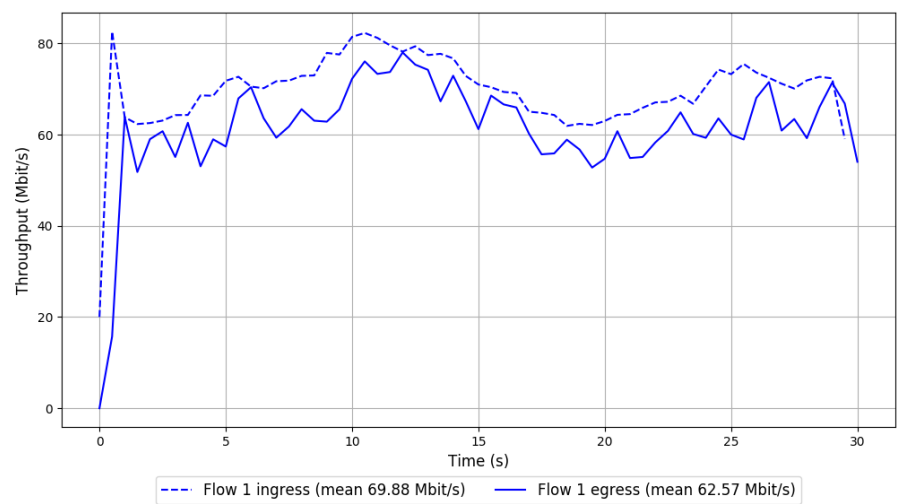
-- Flow 1:

Average throughput: 62.57 Mbit/s

95th percentile per-packet one-way delay: 12.531 ms

Loss rate: 10.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 02:08:37

End at: 2018-08-01 02:09:07

Local clock offset: -0.362 ms

Remote clock offset: -10.792 ms

Below is generated by plot.py at 2018-08-01 03:23:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 11.152 ms

Loss rate: 10.48%

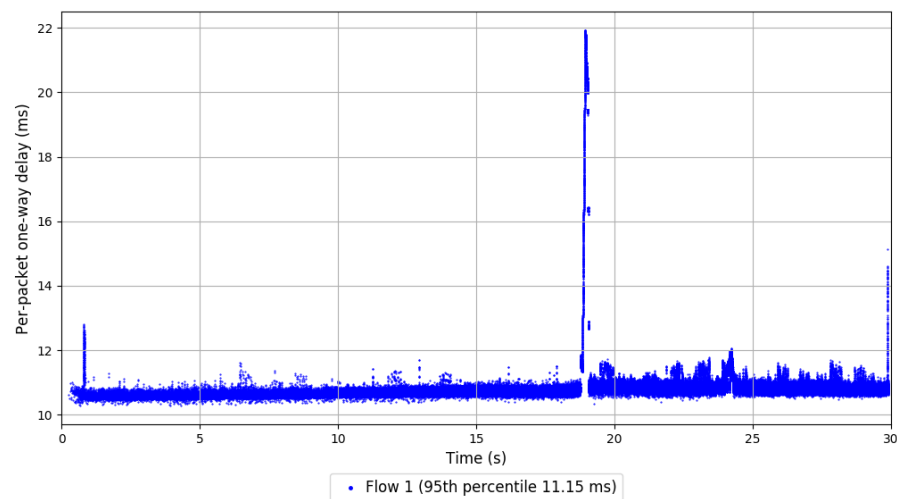
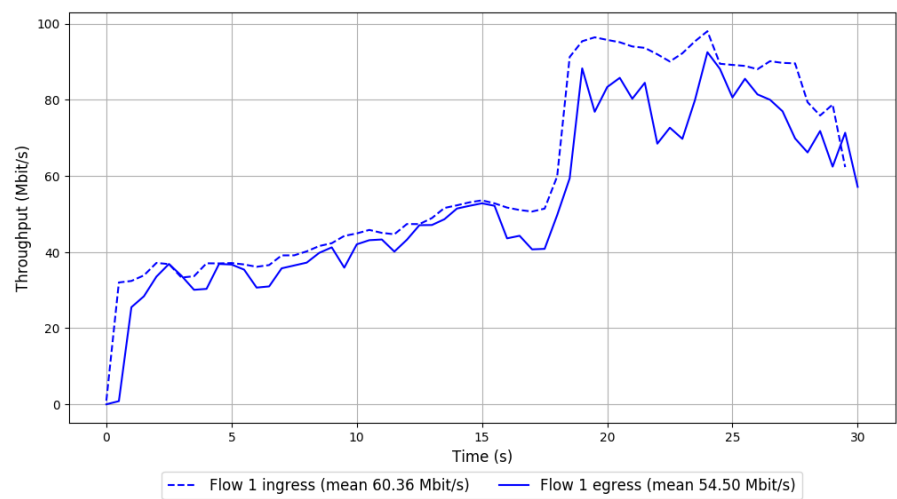
-- Flow 1:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 11.152 ms

Loss rate: 10.48%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 02:27:38

End at: 2018-08-01 02:28:08

Local clock offset: 0.763 ms

Remote clock offset: -11.738 ms

Below is generated by plot.py at 2018-08-01 03:23:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 8.387 ms

Loss rate: 8.25%

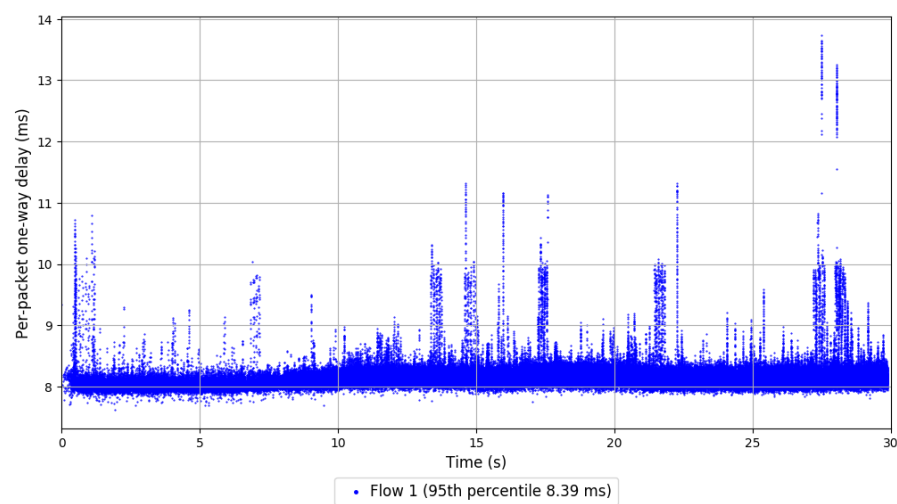
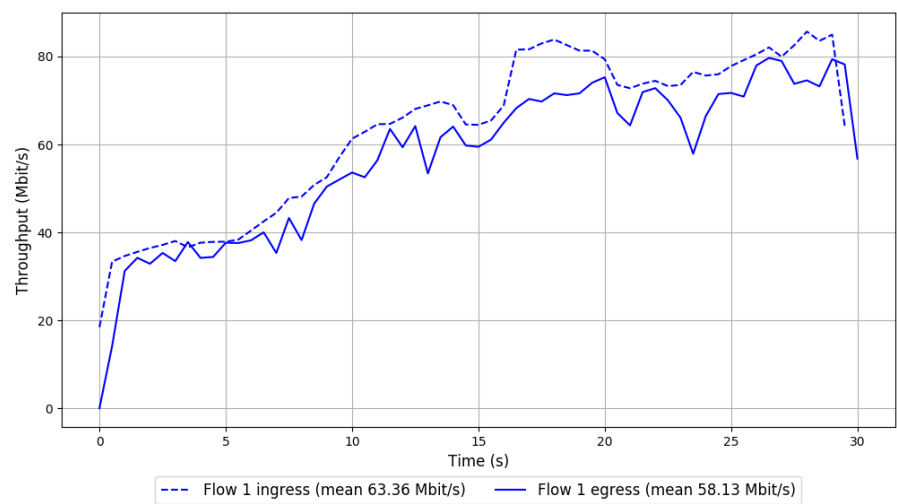
-- Flow 1:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 8.387 ms

Loss rate: 8.25%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 02:46:42

End at: 2018-08-01 02:47:12

Local clock offset: -0.179 ms

Remote clock offset: -7.511 ms

Below is generated by plot.py at 2018-08-01 03:23:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.46 Mbit/s

95th percentile per-packet one-way delay: 8.053 ms

Loss rate: 7.02%

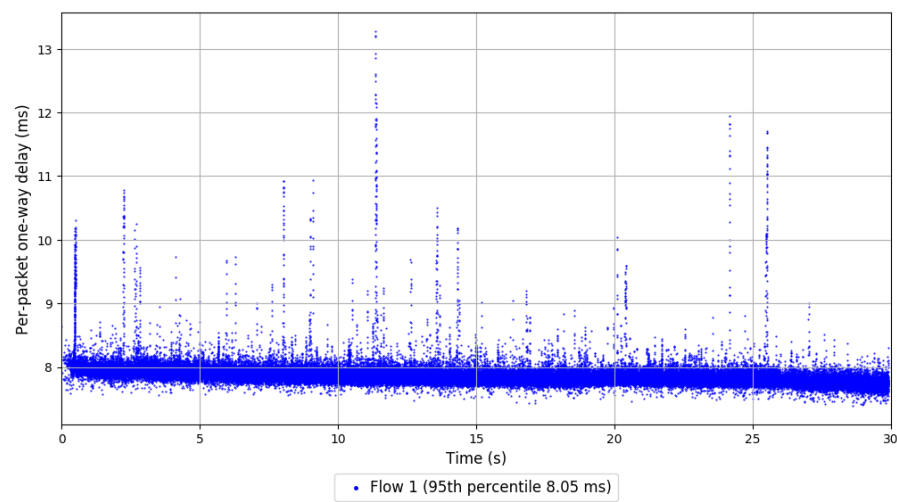
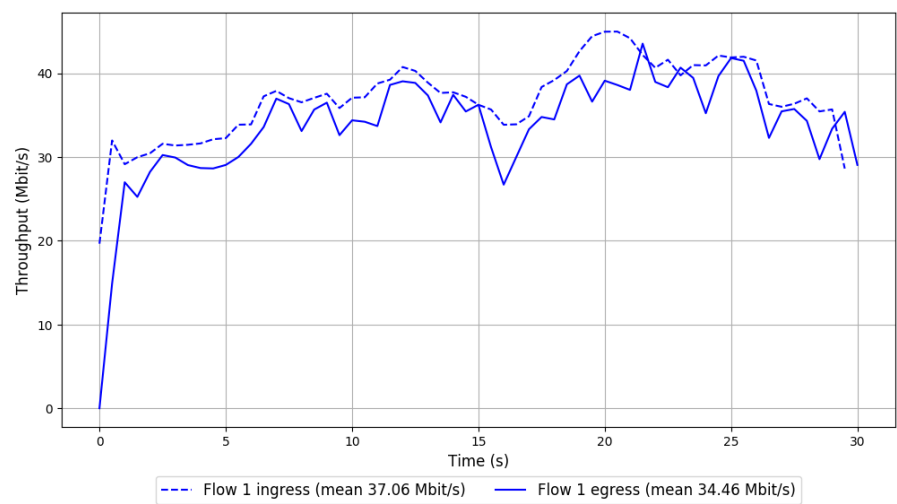
-- Flow 1:

Average throughput: 34.46 Mbit/s

95th percentile per-packet one-way delay: 8.053 ms

Loss rate: 7.02%

Run 9: Report of PCC-Allegro — Data Link

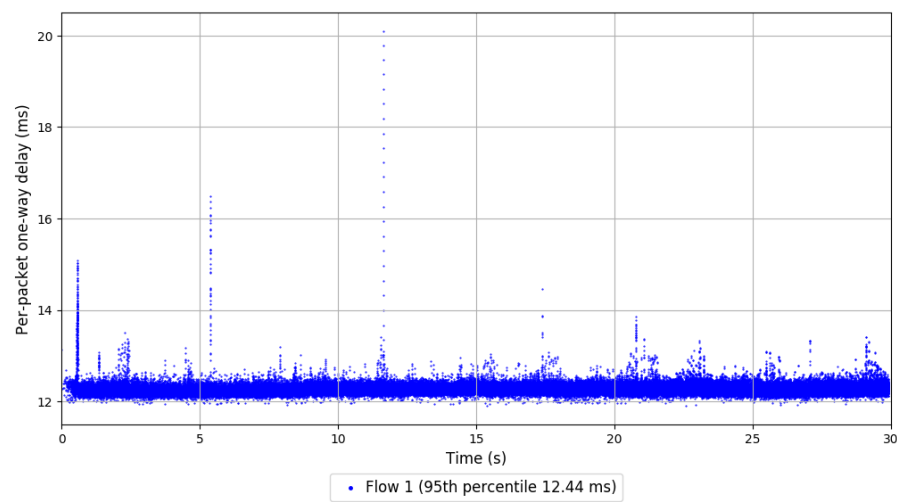
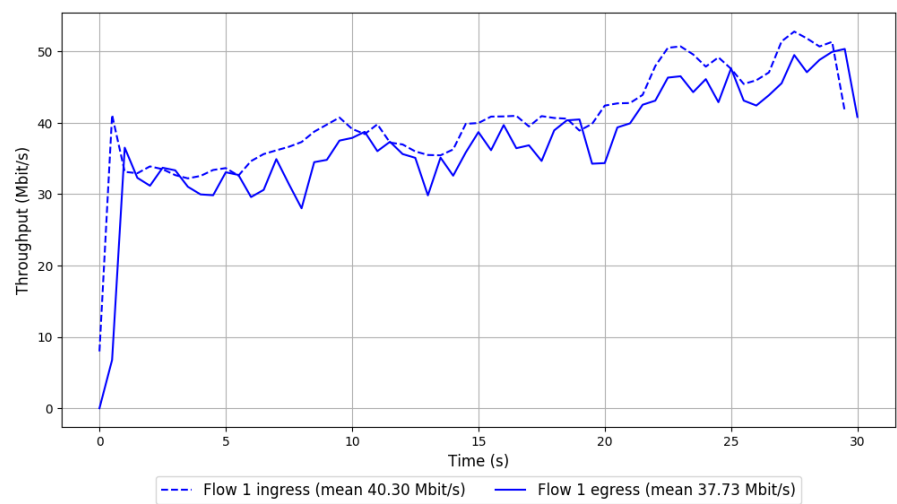


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 03:05:48
End at: 2018-08-01 03:06:18
Local clock offset: -0.095 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2018-08-01 03:23:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 12.440 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 12.440 ms
Loss rate: 6.37%

Run 10: Report of PCC-Allegro — Data Link

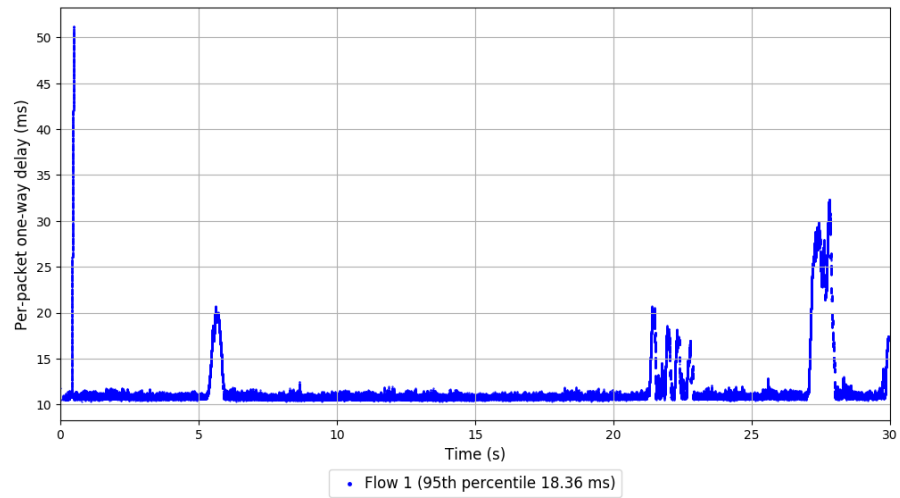
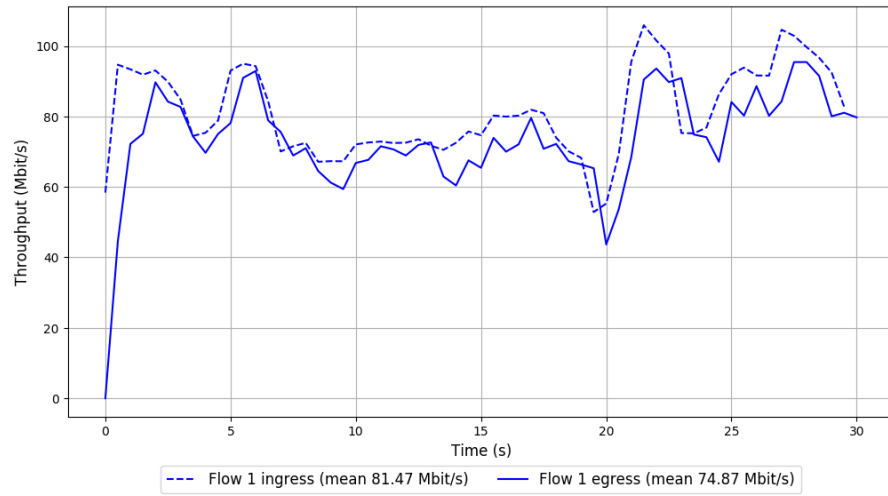


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 00:17:24
End at: 2018-08-01 00:17:54
Local clock offset: 0.969 ms
Remote clock offset: -8.383 ms

# Below is generated by plot.py at 2018-08-01 03:24:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 18.359 ms
Loss rate: 8.08%
-- Flow 1:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 18.359 ms
Loss rate: 8.08%
```


Run 1: Report of PCC-Expr — Data Link

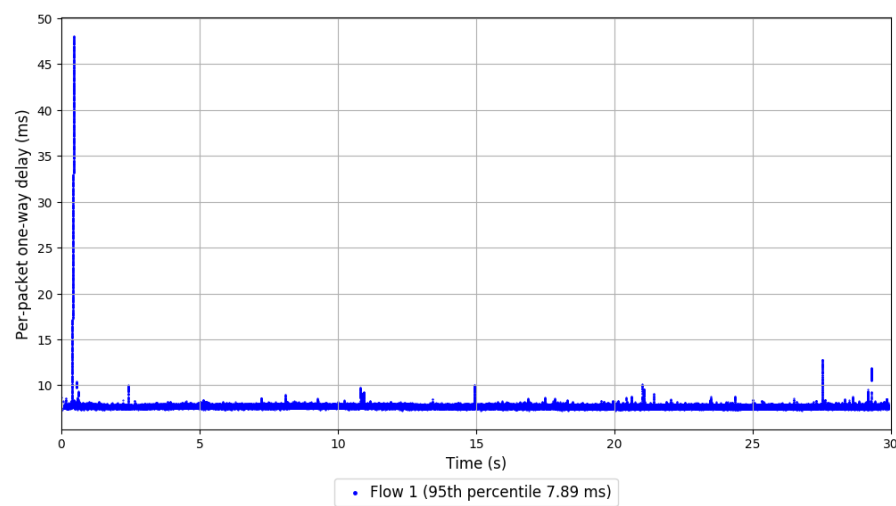
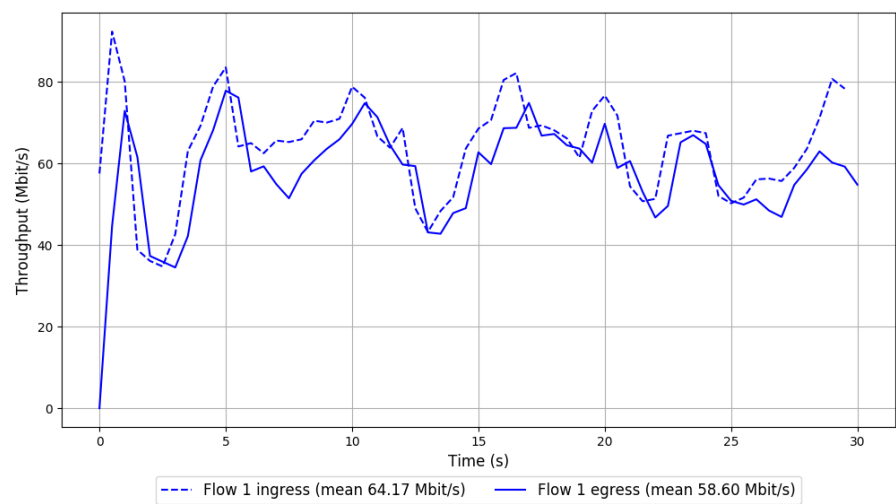


Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 00:36:33
End at: 2018-08-01 00:37:03
Local clock offset: 2.575 ms
Remote clock offset: -6.087 ms

Below is generated by plot.py at 2018-08-01 03:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 7.887 ms
Loss rate: 8.68%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 7.887 ms
Loss rate: 8.68%

Run 2: Report of PCC-Expr — Data Link

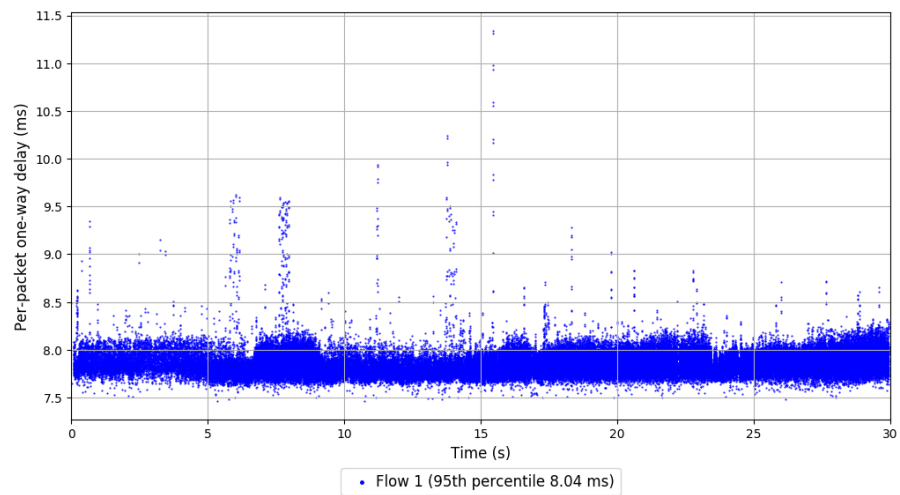
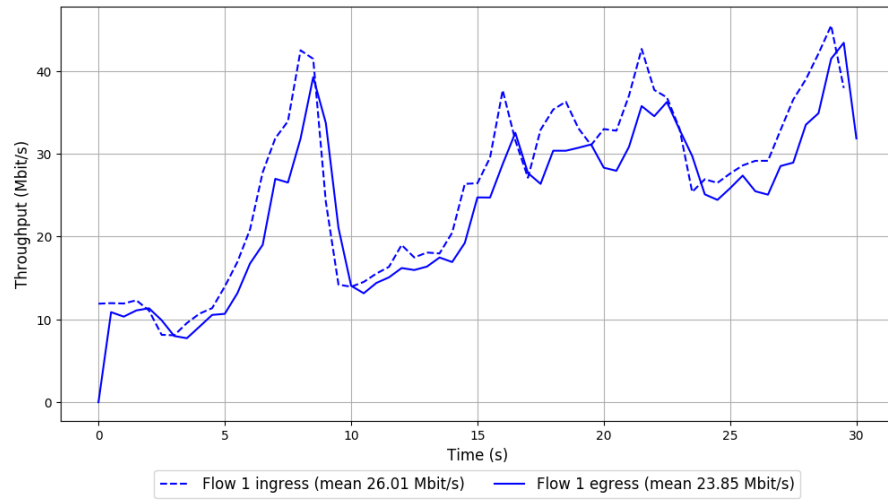


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 00:55:55
End at: 2018-08-01 00:56:25
Local clock offset: 2.51 ms
Remote clock offset: -5.532 ms

Below is generated by plot.py at 2018-08-01 03:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 8.039 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 8.039 ms
Loss rate: 8.31%

Run 3: Report of PCC-Expr — Data Link

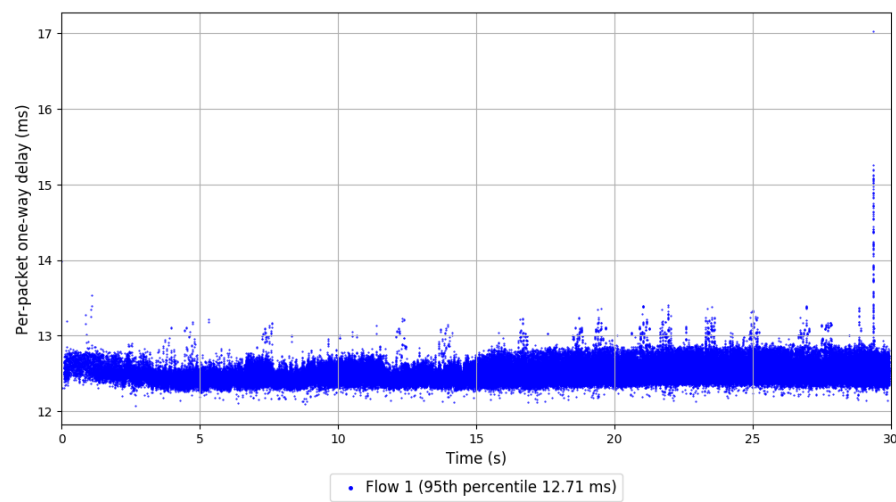
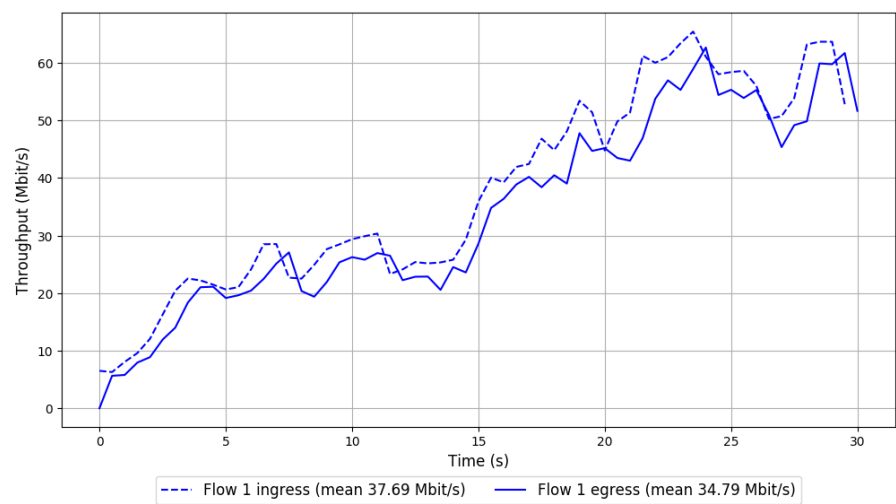


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 01:15:14
End at: 2018-08-01 01:15:44
Local clock offset: 0.903 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-08-01 03:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 12.711 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 12.711 ms
Loss rate: 7.70%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 01:34:07

End at: 2018-08-01 01:34:37

Local clock offset: -1.063 ms

Remote clock offset: -1.64 ms

Below is generated by plot.py at 2018-08-01 03:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 19.990 ms

Loss rate: 8.28%

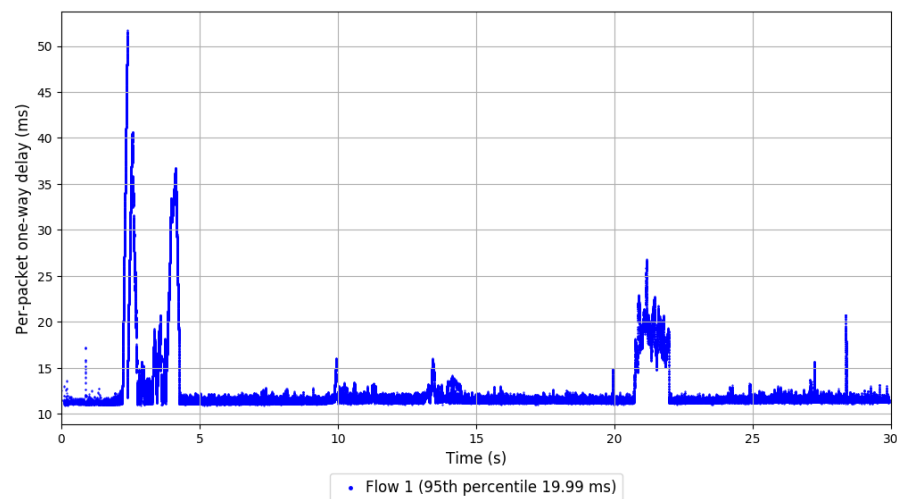
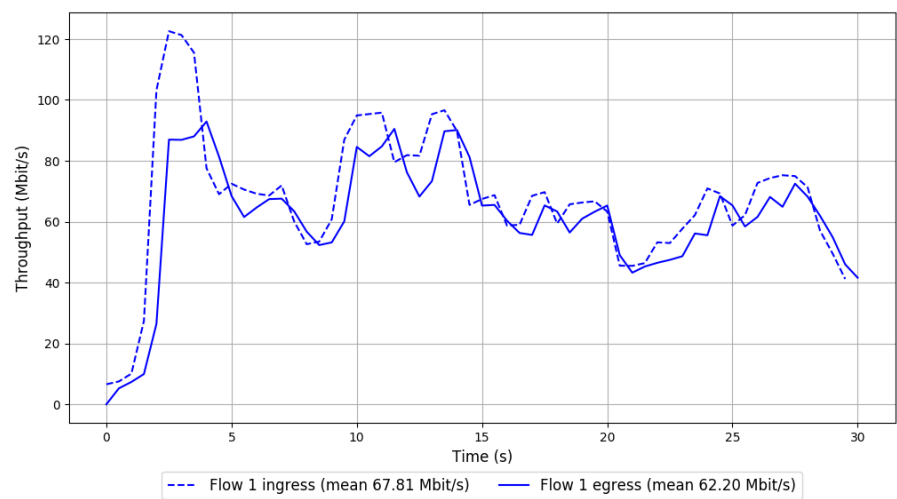
-- Flow 1:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 19.990 ms

Loss rate: 8.28%

Run 5: Report of PCC-Expr — Data Link

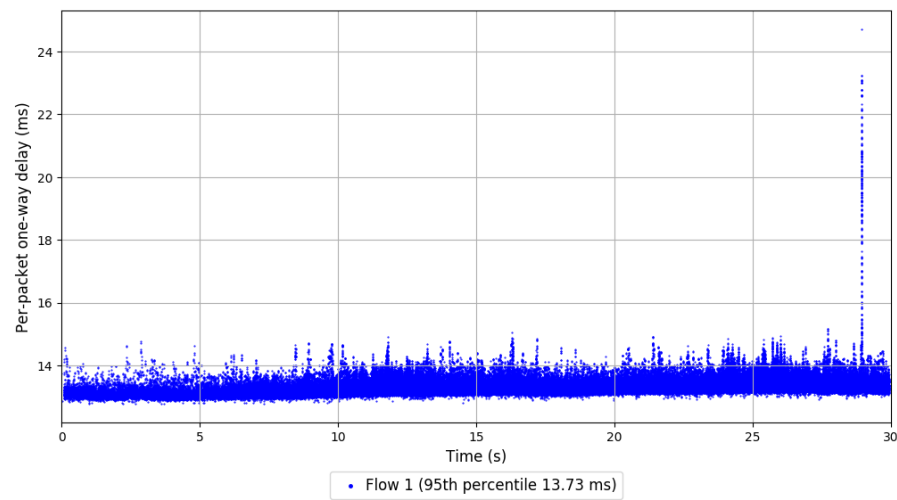
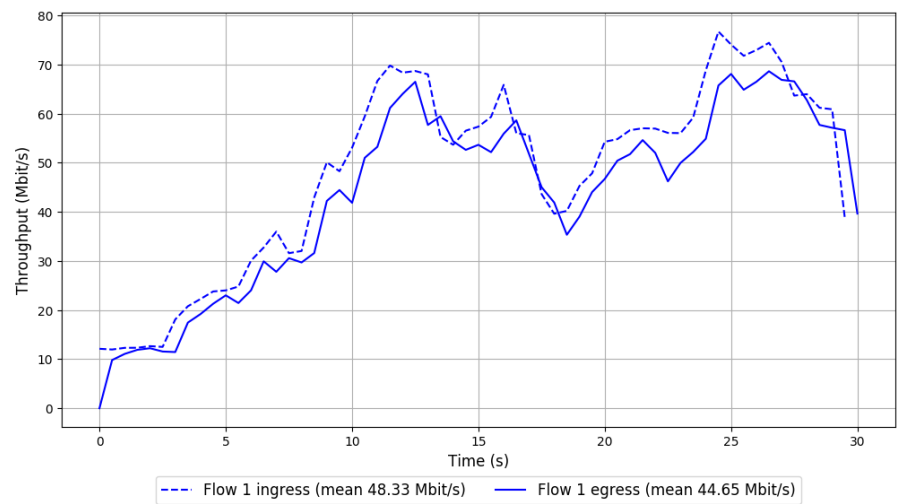


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 01:53:06
End at: 2018-08-01 01:53:36
Local clock offset: -2.468 ms
Remote clock offset: -6.921 ms

Below is generated by plot.py at 2018-08-01 03:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 13.728 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 13.728 ms
Loss rate: 7.63%

Run 6: Report of PCC-Expr — Data Link

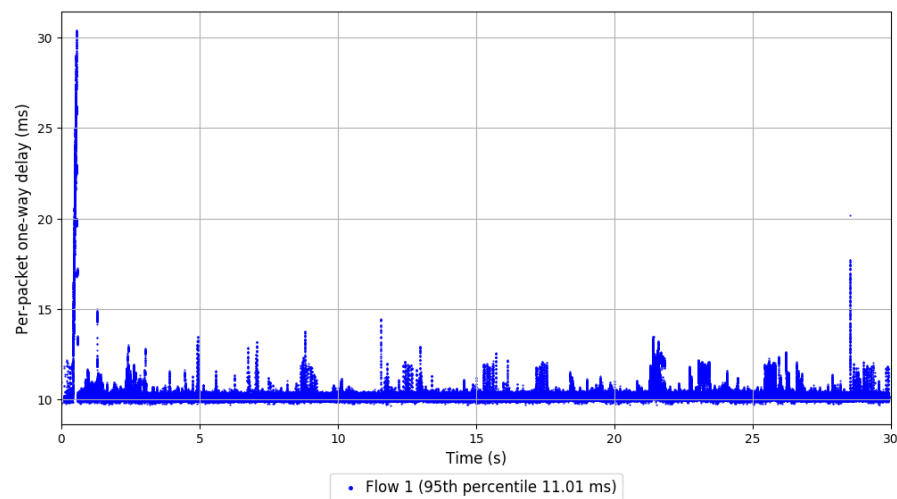
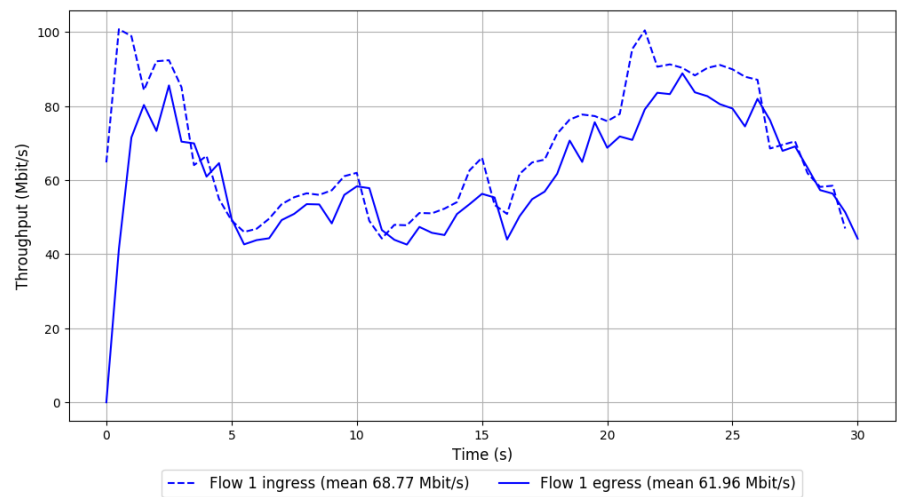


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 02:11:58
End at: 2018-08-01 02:12:28
Local clock offset: 1.358 ms
Remote clock offset: -8.884 ms

Below is generated by plot.py at 2018-08-01 03:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 9.90%
-- Flow 1:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 9.90%

Run 7: Report of PCC-Expr — Data Link

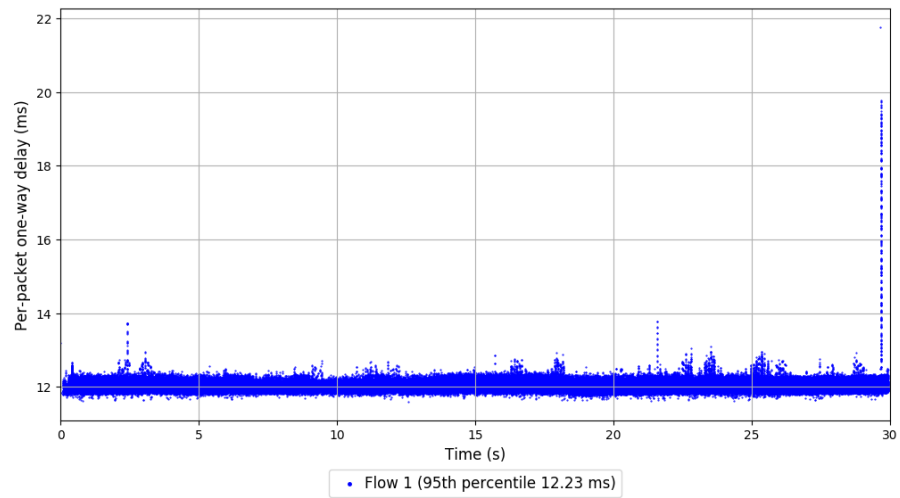
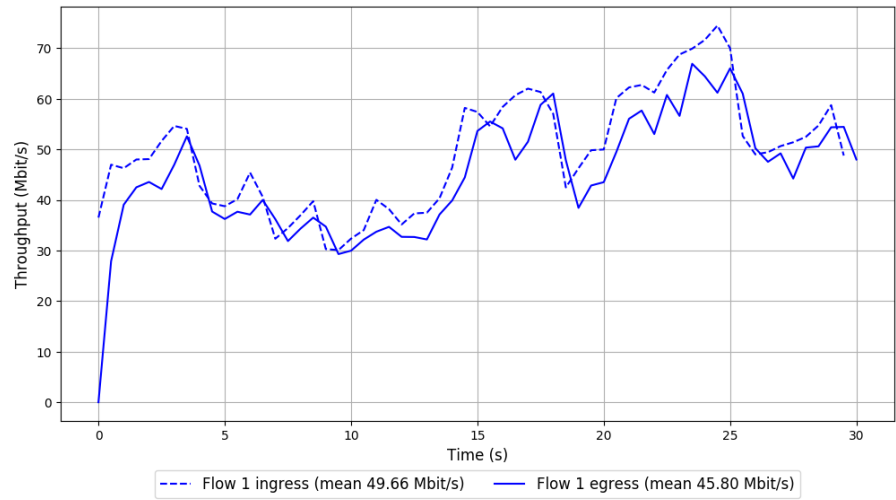


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 02:30:59
End at: 2018-08-01 02:31:29
Local clock offset: -1.602 ms
Remote clock offset: -11.244 ms

Below is generated by plot.py at 2018-08-01 03:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 12.232 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 12.232 ms
Loss rate: 7.78%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 02:50:08
End at: 2018-08-01 02:50:38
Local clock offset: -0.448 ms
Remote clock offset: -5.619 ms

Below is generated by plot.py at 2018-08-01 03:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 9.301 ms

Loss rate: 8.95%

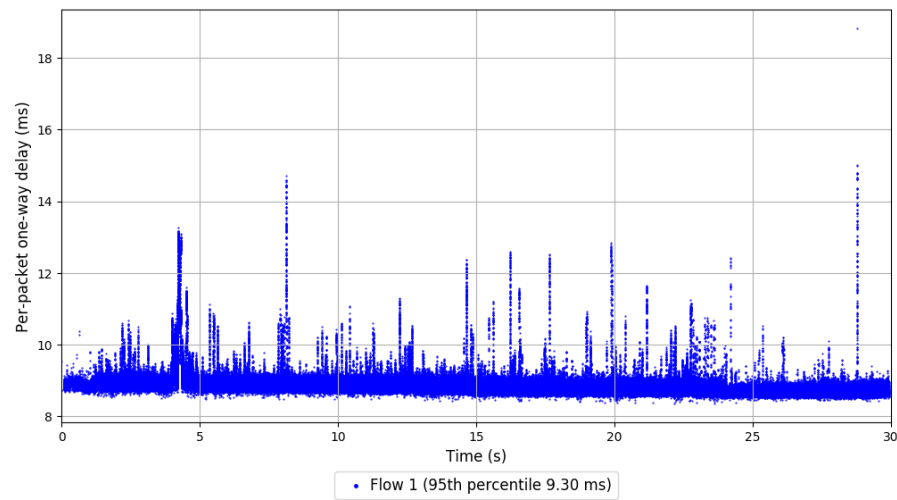
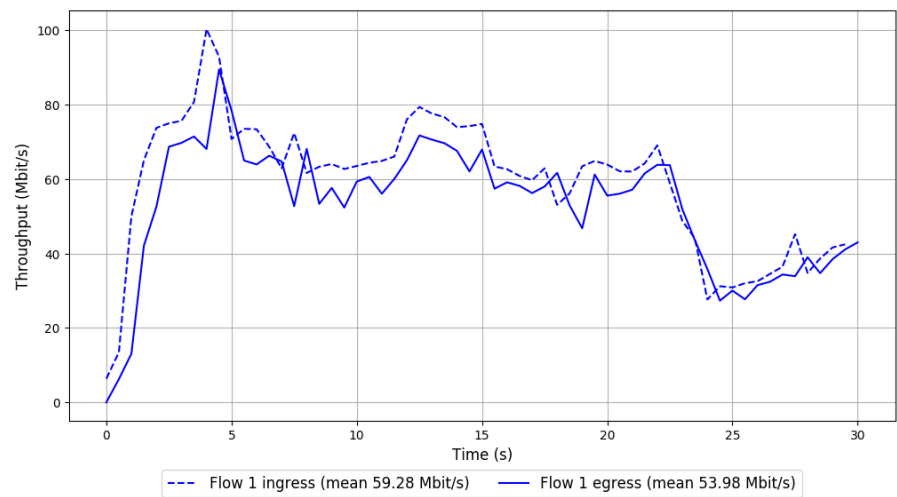
-- Flow 1:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 9.301 ms

Loss rate: 8.95%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 03:09:08

End at: 2018-08-01 03:09:38

Local clock offset: 2.799 ms

Remote clock offset: -0.95 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 9.203 ms

Loss rate: 10.82%

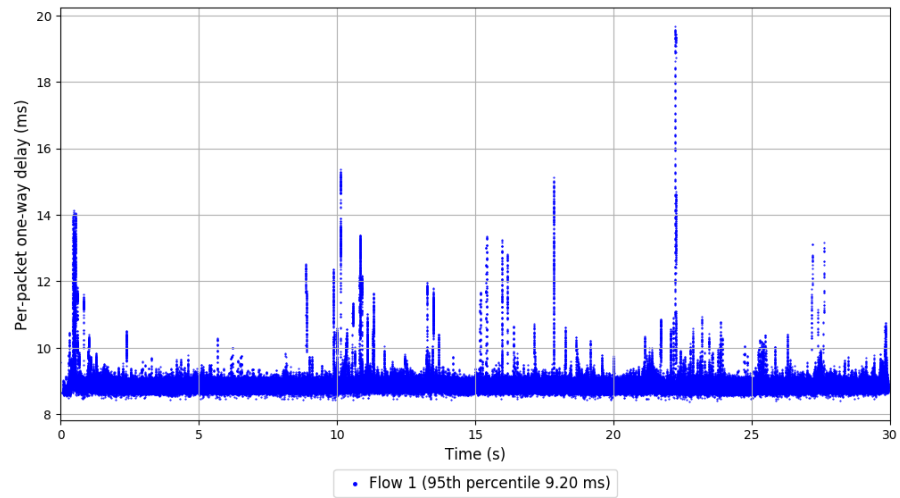
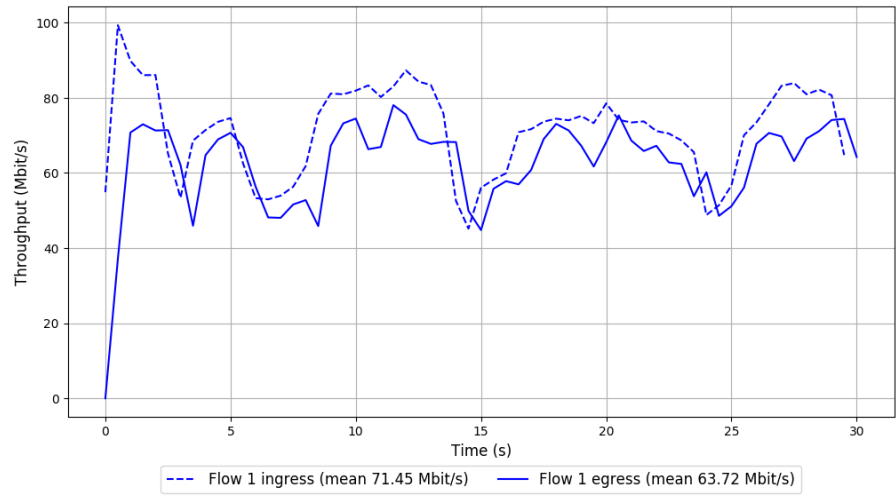
-- Flow 1:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 9.203 ms

Loss rate: 10.82%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 00:11:49

End at: 2018-08-01 00:12:19

Local clock offset: 2.847 ms

Remote clock offset: -9.008 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 6.912 ms

Loss rate: 1.85%

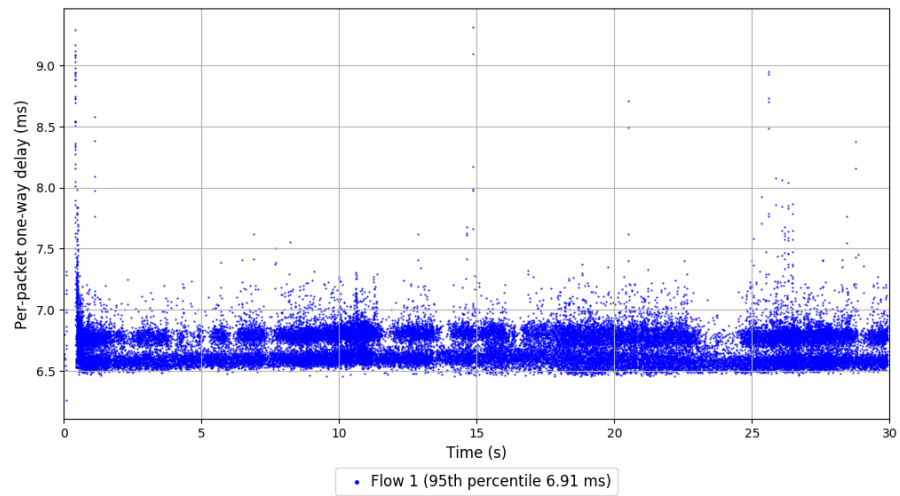
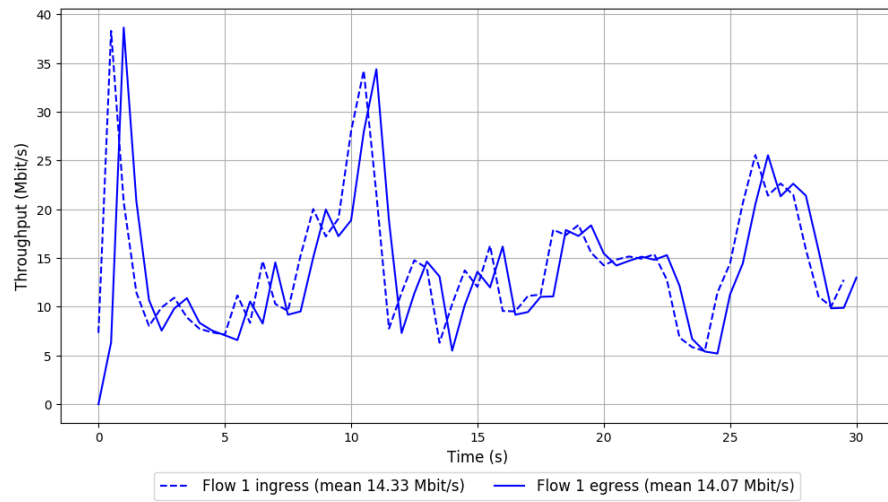
-- Flow 1:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 6.912 ms

Loss rate: 1.85%

Run 1: Report of QUIC Cubic — Data Link

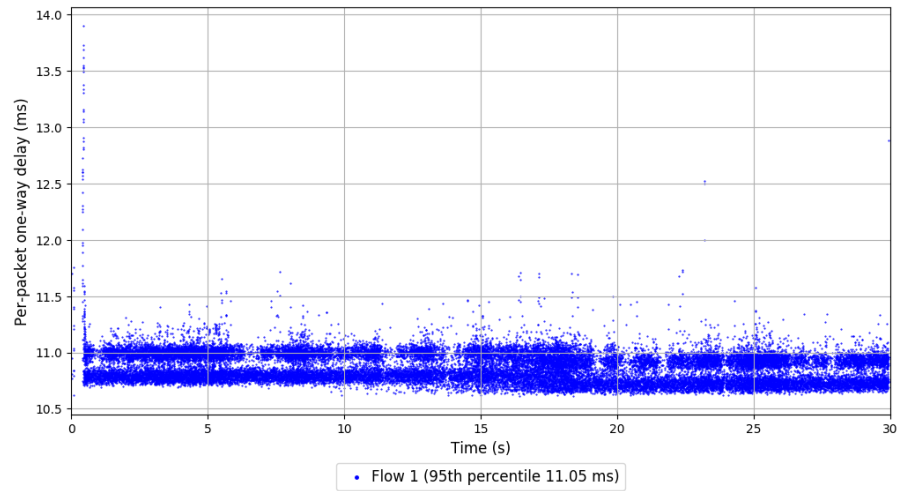
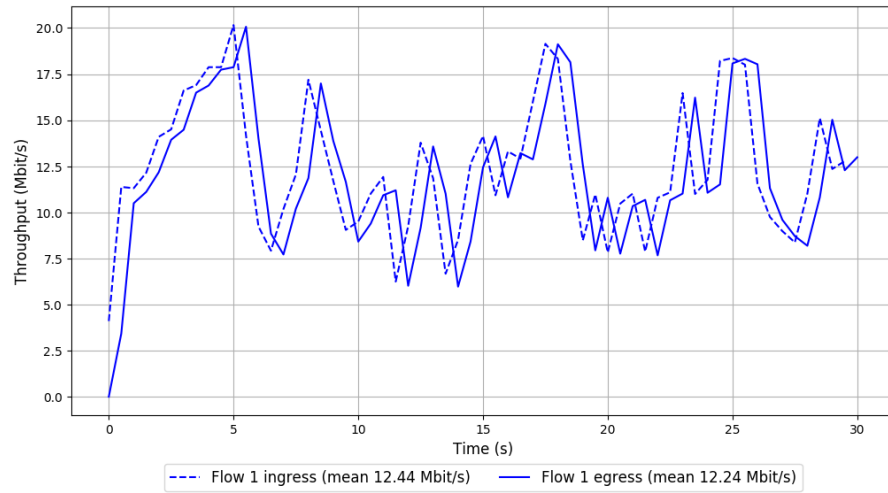


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 00:30:49
End at: 2018-08-01 00:31:19
Local clock offset: -0.243 ms
Remote clock offset: -7.351 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 11.052 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 11.052 ms
Loss rate: 1.62%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 00:50:18

End at: 2018-08-01 00:50:48

Local clock offset: 2.797 ms

Remote clock offset: -3.826 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 9.631 ms

Loss rate: 4.00%

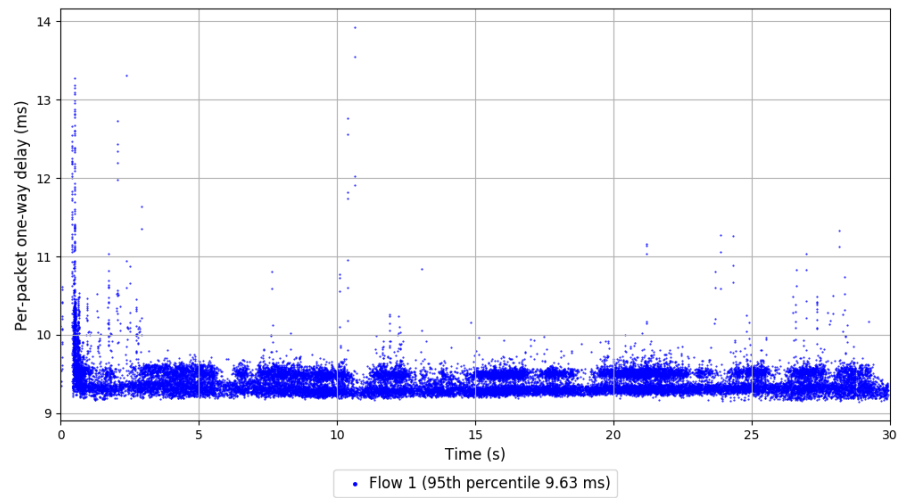
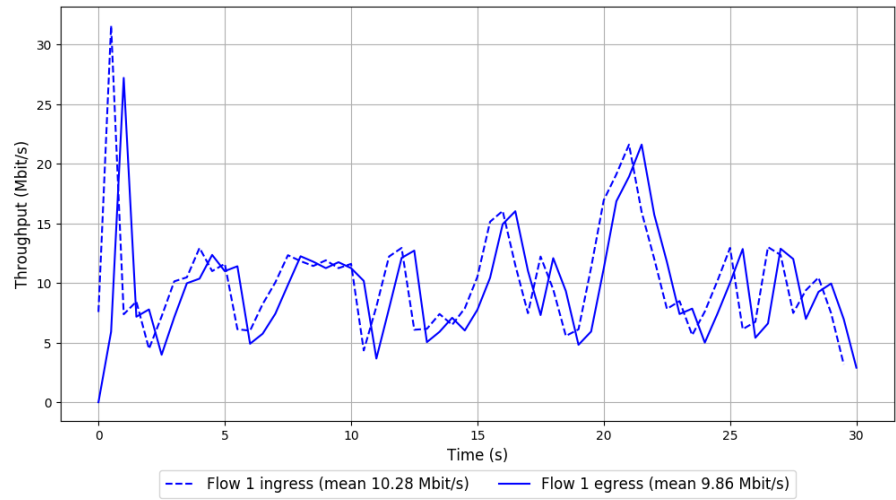
-- Flow 1:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 9.631 ms

Loss rate: 4.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 01:09:39

End at: 2018-08-01 01:10:09

Local clock offset: 1.971 ms

Remote clock offset: -1.657 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 9.699 ms

Loss rate: 2.22%

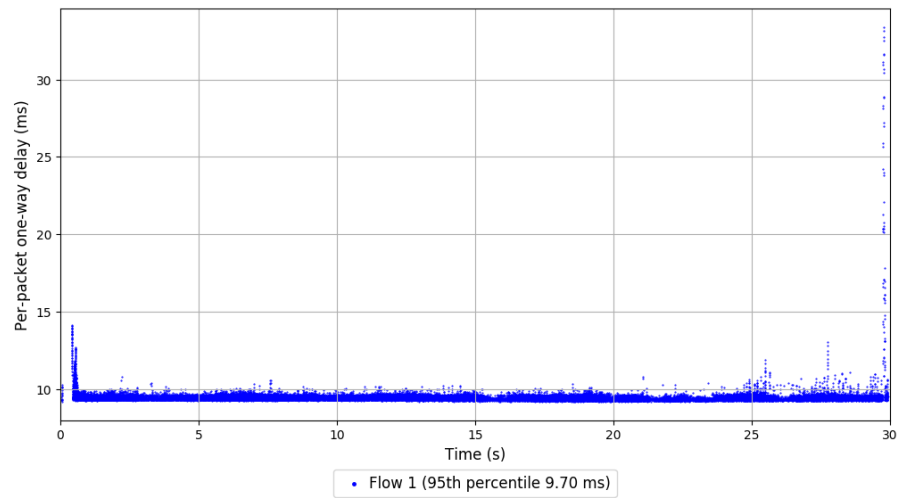
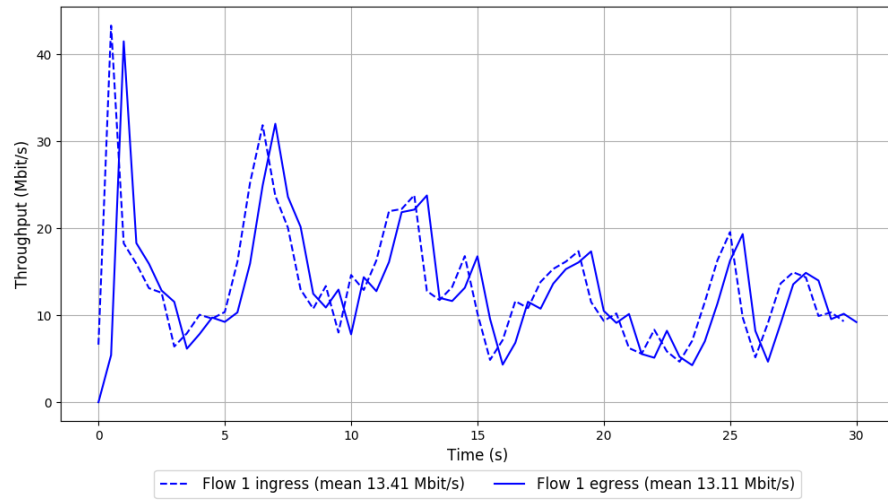
-- Flow 1:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 9.699 ms

Loss rate: 2.22%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 01:28:36

End at: 2018-08-01 01:29:06

Local clock offset: 1.9 ms

Remote clock offset: -1.059 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 8.617 ms

Loss rate: 4.00%

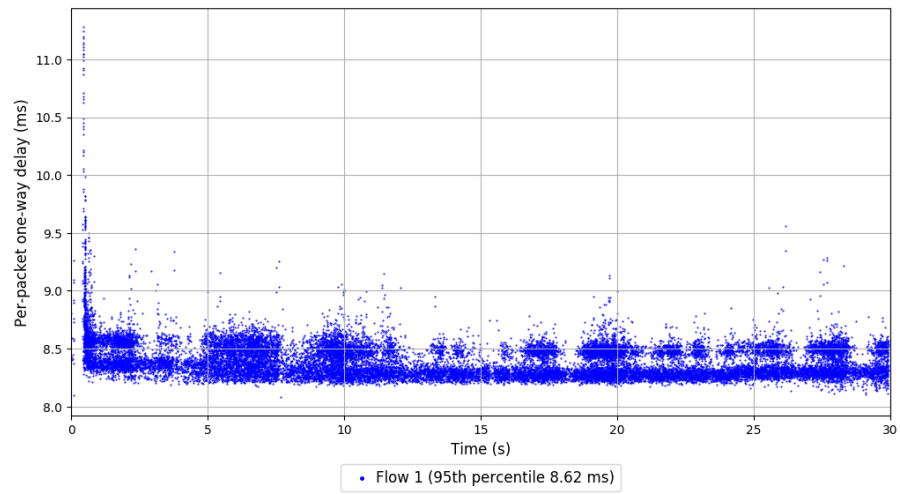
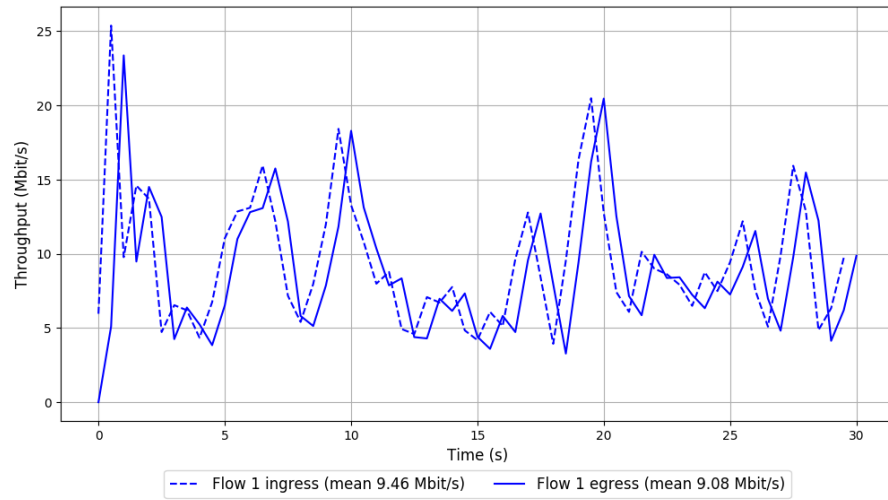
-- Flow 1:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 8.617 ms

Loss rate: 4.00%

Run 5: Report of QUIC Cubic — Data Link

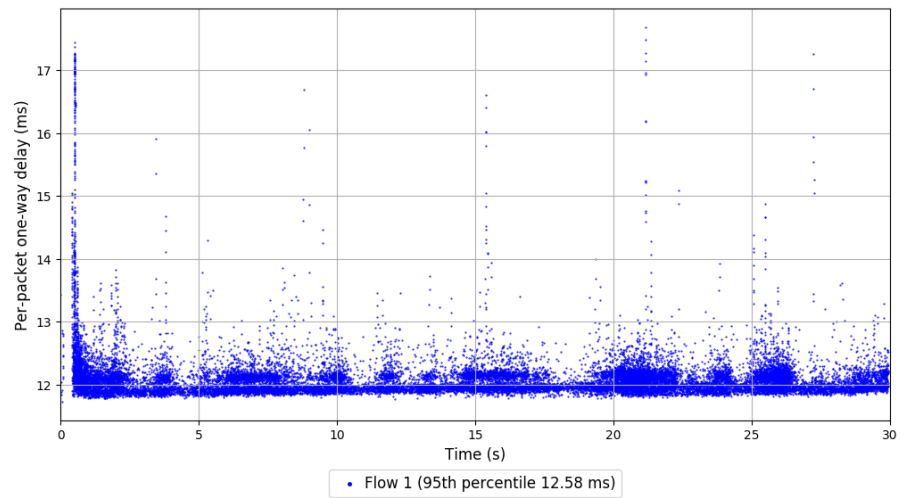
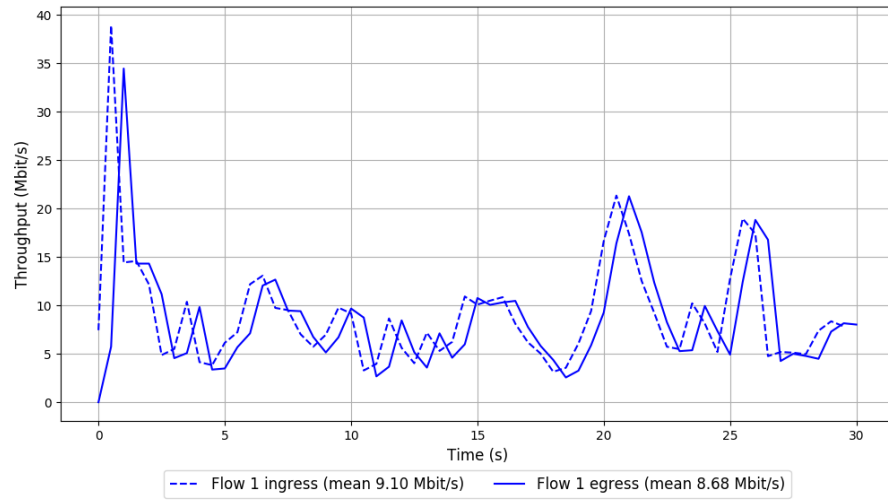


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 01:47:29
End at: 2018-08-01 01:47:59
Local clock offset: -2.426 ms
Remote clock offset: -5.836 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 12.581 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 12.581 ms
Loss rate: 4.63%

Run 6: Report of QUIC Cubic — Data Link

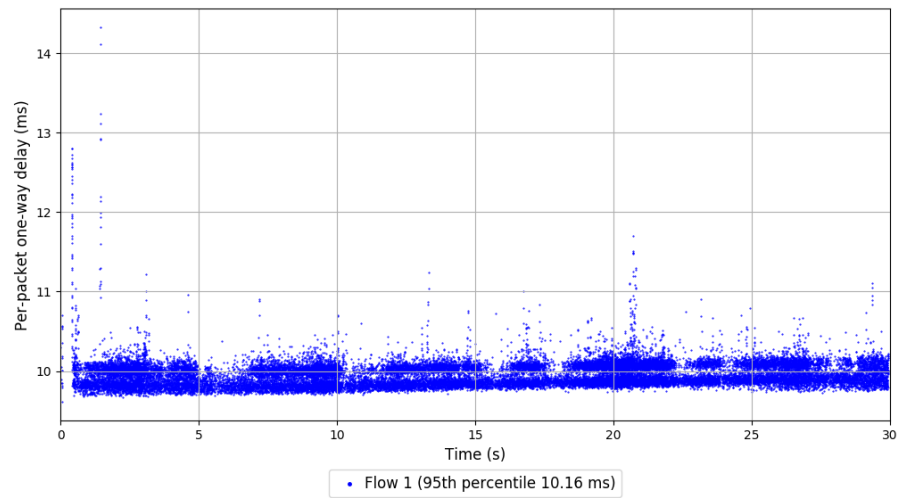
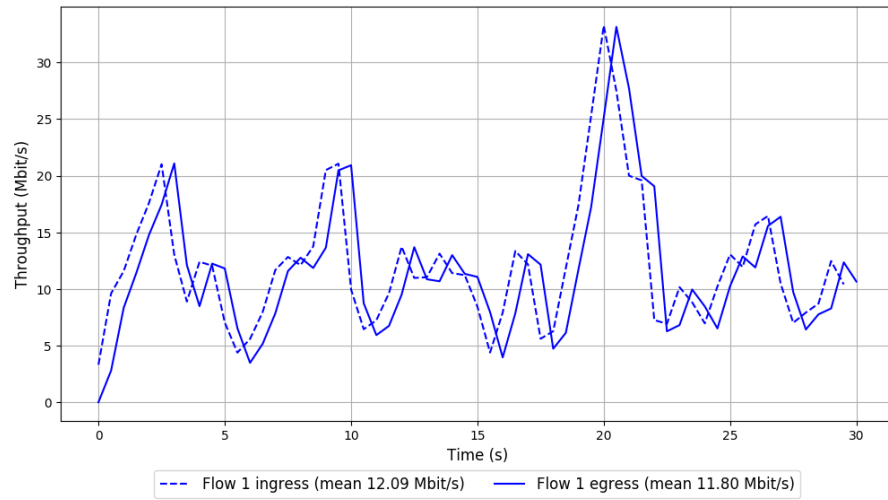


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 02:06:24
End at: 2018-08-01 02:06:54
Local clock offset: -0.572 ms
Remote clock offset: -10.231 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 10.157 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 10.157 ms
Loss rate: 2.38%

Run 7: Report of QUIC Cubic — Data Link

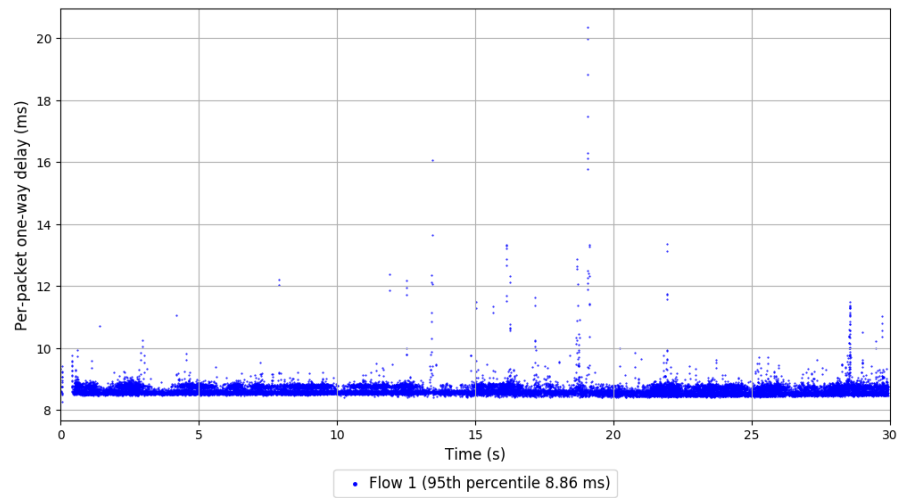
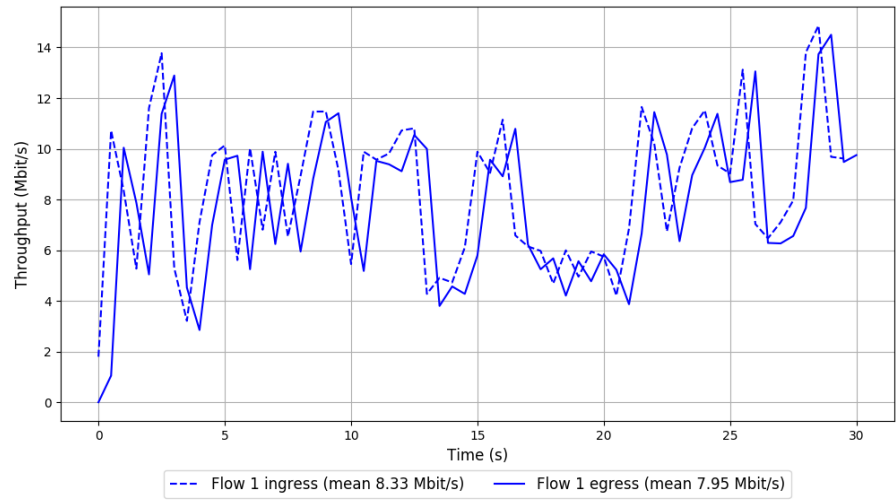


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 02:25:26
End at: 2018-08-01 02:25:56
Local clock offset: 1.445 ms
Remote clock offset: -10.635 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 8.858 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 8.858 ms
Loss rate: 4.63%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 02:44:28

End at: 2018-08-01 02:44:58

Local clock offset: 0.232 ms

Remote clock offset: -5.265 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 11.122 ms

Loss rate: 3.37%

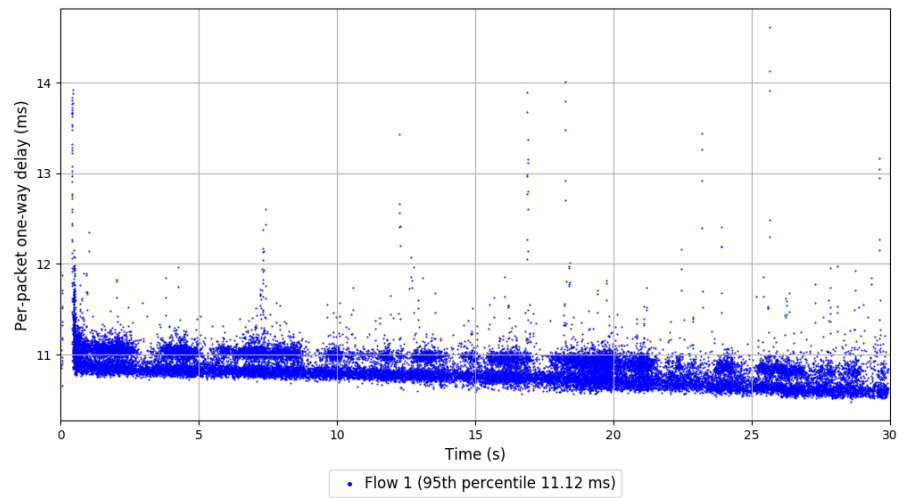
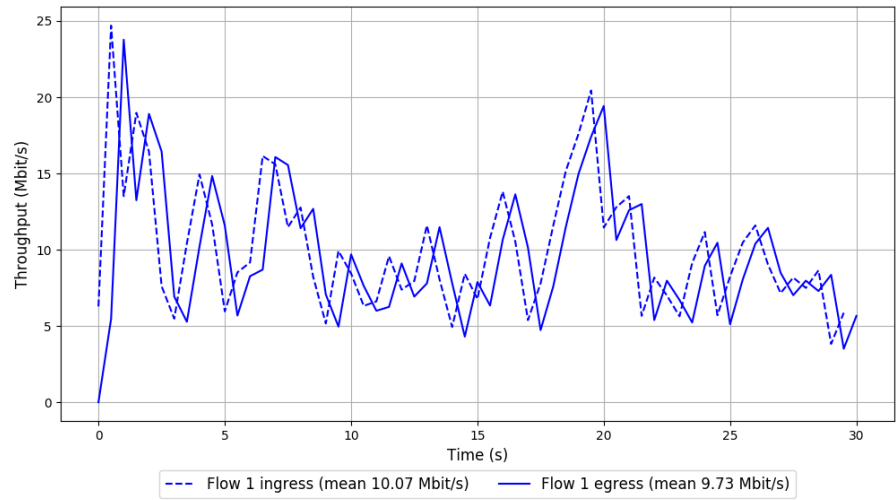
-- Flow 1:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 11.122 ms

Loss rate: 3.37%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 03:03:30

End at: 2018-08-01 03:04:00

Local clock offset: 1.294 ms

Remote clock offset: -3.68 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 9.251 ms

Loss rate: 4.92%

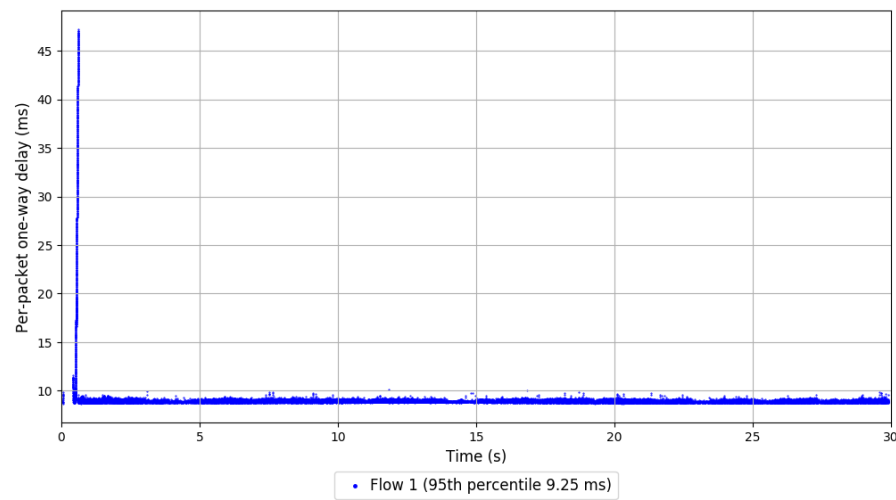
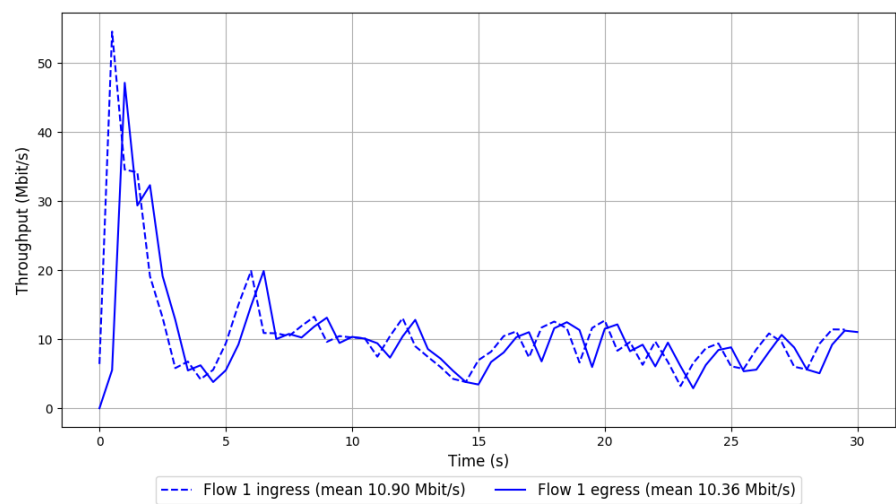
-- Flow 1:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 9.251 ms

Loss rate: 4.92%

Run 10: Report of QUIC Cubic — Data Link

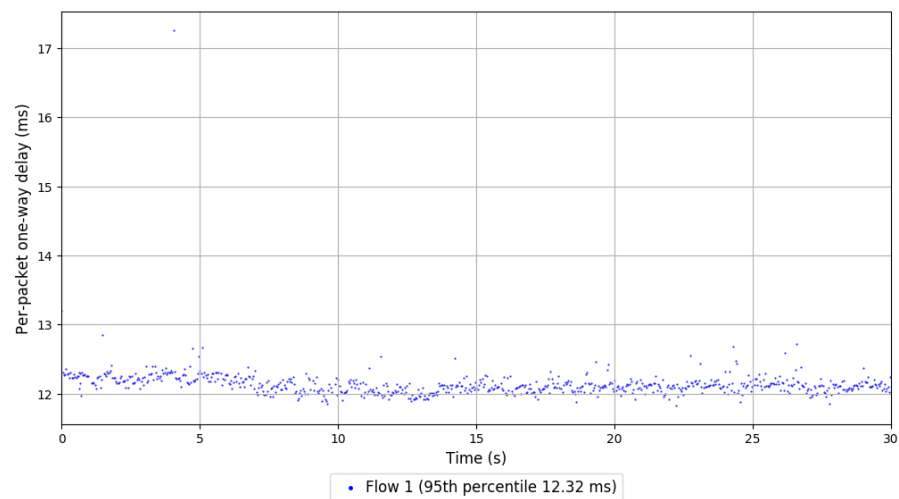
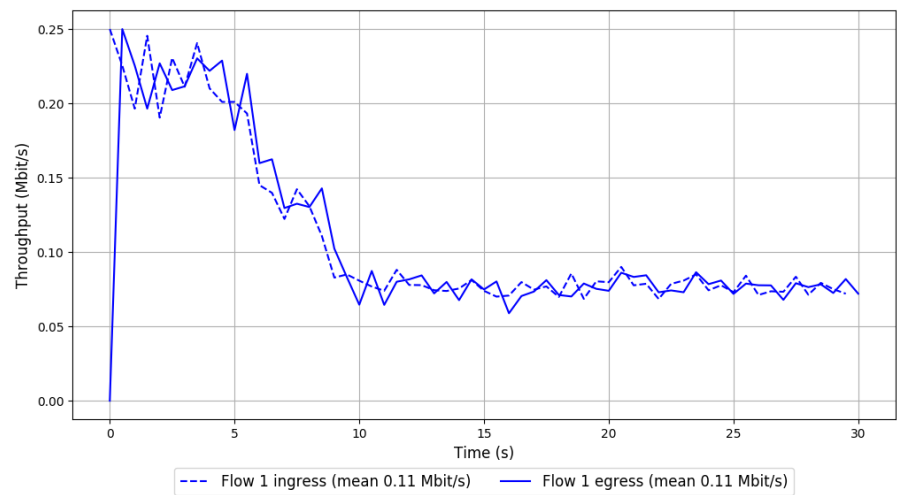


```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 00:04:09
End at: 2018-08-01 00:04:39
Local clock offset: -0.108 ms
Remote clock offset: -6.161 ms

# Below is generated by plot.py at 2018-08-01 03:25:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 12.325 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 12.325 ms
Loss rate: 0.92%
```


Run 1: Report of SReAM — Data Link

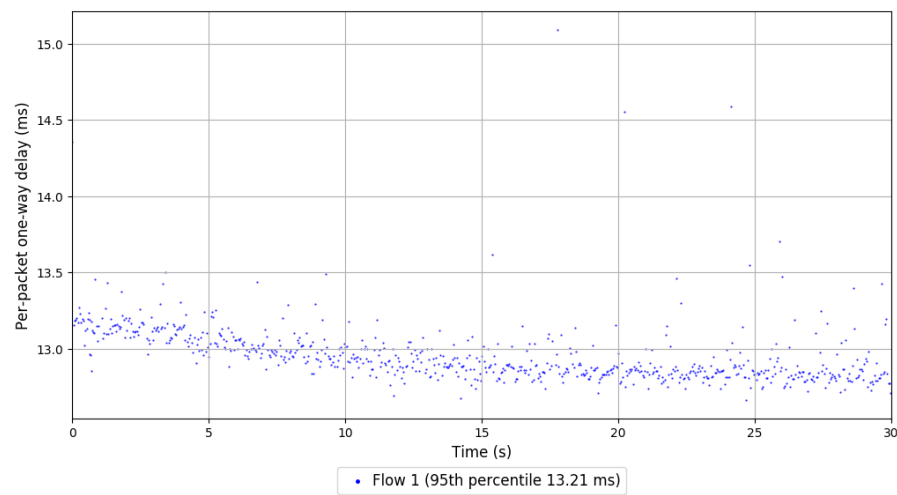
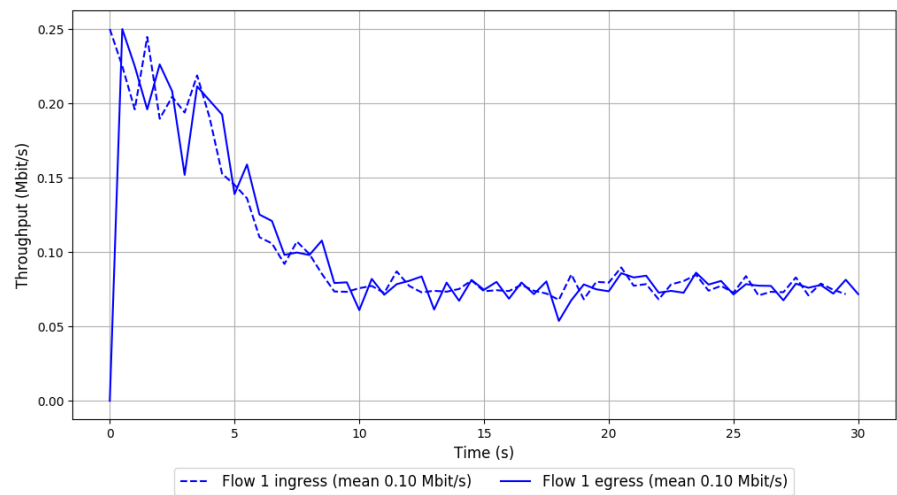


Run 2: Statistics of SCReAM

Start at: 2018-08-01 00:23:06
End at: 2018-08-01 00:23:36
Local clock offset: 0.469 ms
Remote clock offset: -6.578 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 13.205 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 13.205 ms
Loss rate: 1.31%

Run 2: Report of SReAM — Data Link

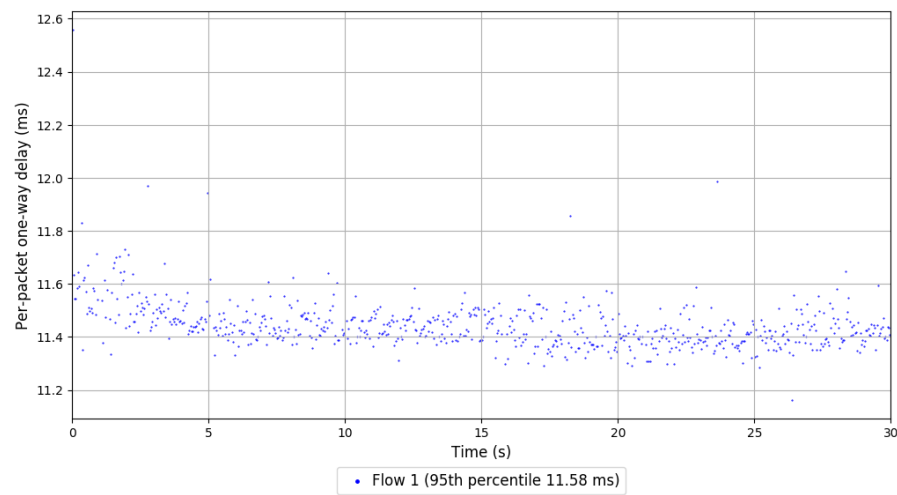
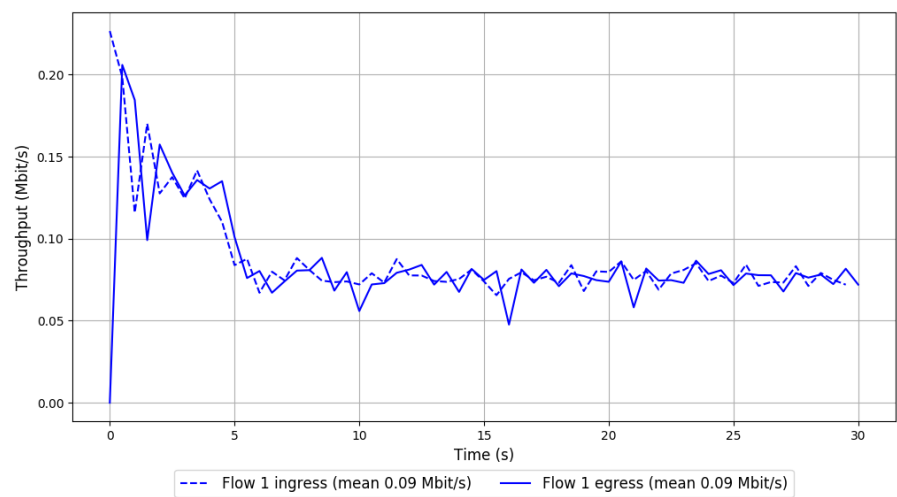


Run 3: Statistics of SCReAM

Start at: 2018-08-01 00:42:15
End at: 2018-08-01 00:42:45
Local clock offset: -0.339 ms
Remote clock offset: -5.898 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 11.582 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 11.582 ms
Loss rate: 2.39%

Run 3: Report of SReAM — Data Link

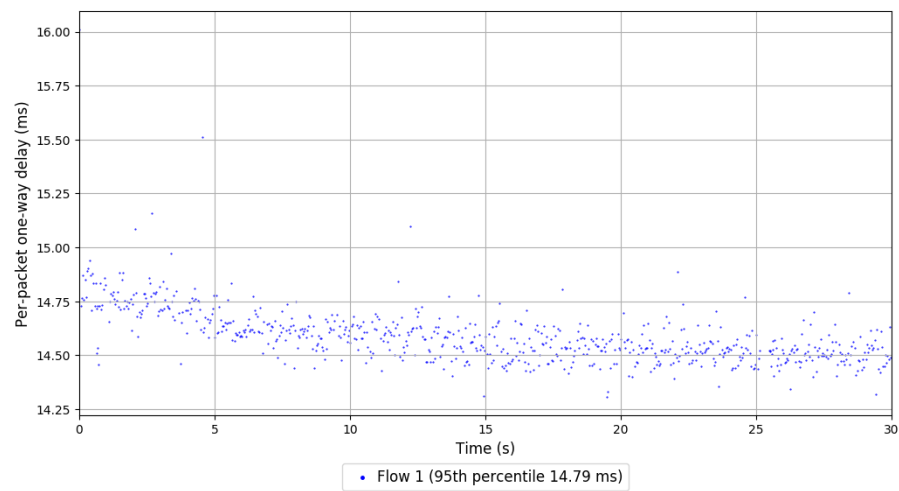
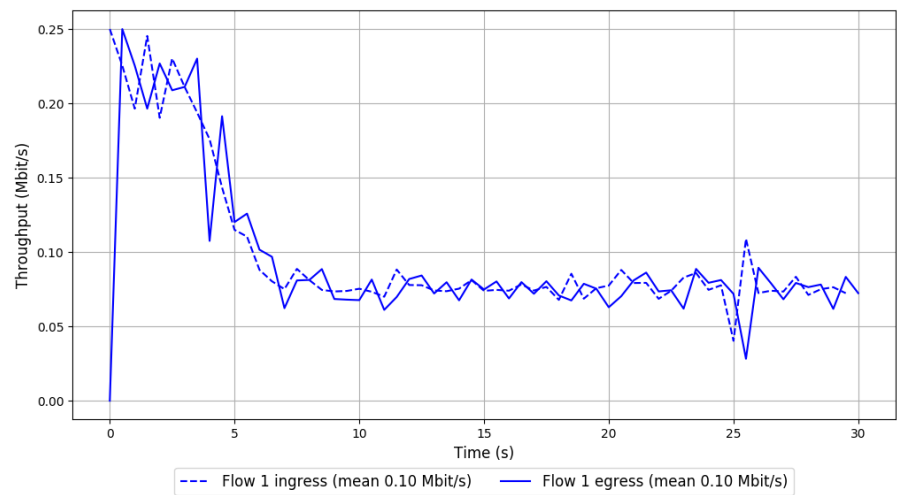


Run 4: Statistics of SCReAM

Start at: 2018-08-01 01:01:36
End at: 2018-08-01 01:02:06
Local clock offset: -4.515 ms
Remote clock offset: -4.137 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 14.790 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 14.790 ms
Loss rate: 3.16%

Run 4: Report of SReAM — Data Link

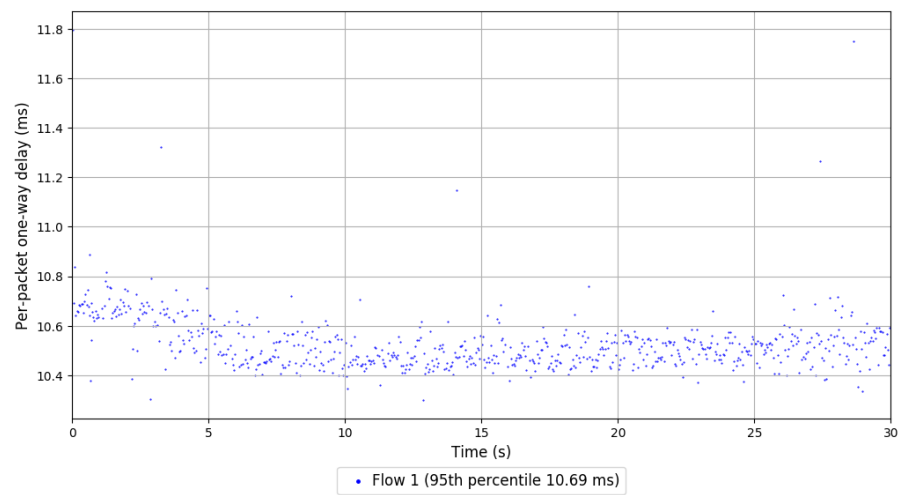
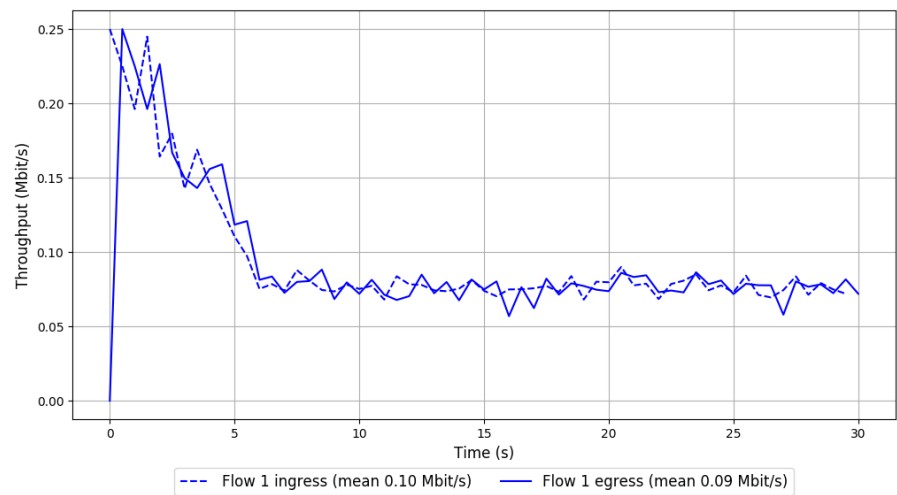


Run 5: Statistics of SCReAM

Start at: 2018-08-01 01:20:57
End at: 2018-08-01 01:21:27
Local clock offset: 0.533 ms
Remote clock offset: -2.312 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.688 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.688 ms
Loss rate: 1.57%

Run 5: Report of SReAM — Data Link

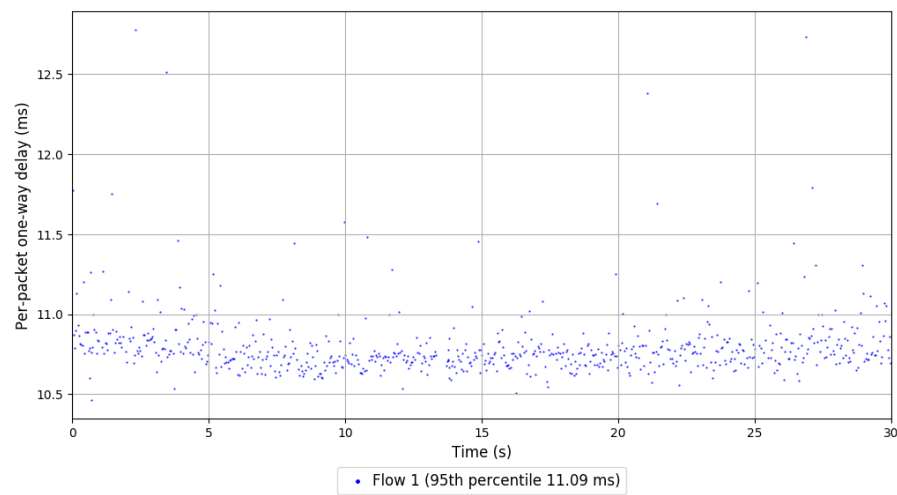
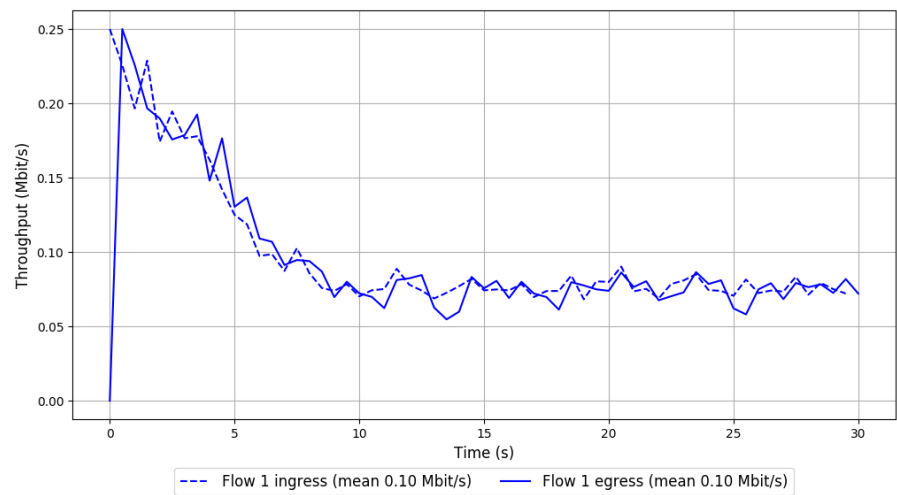


Run 6: Statistics of SCReAM

Start at: 2018-08-01 01:39:48
End at: 2018-08-01 01:40:18
Local clock offset: -2.38 ms
Remote clock offset: -5.534 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 11.085 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 11.085 ms
Loss rate: 2.62%

Run 6: Report of SReAM — Data Link

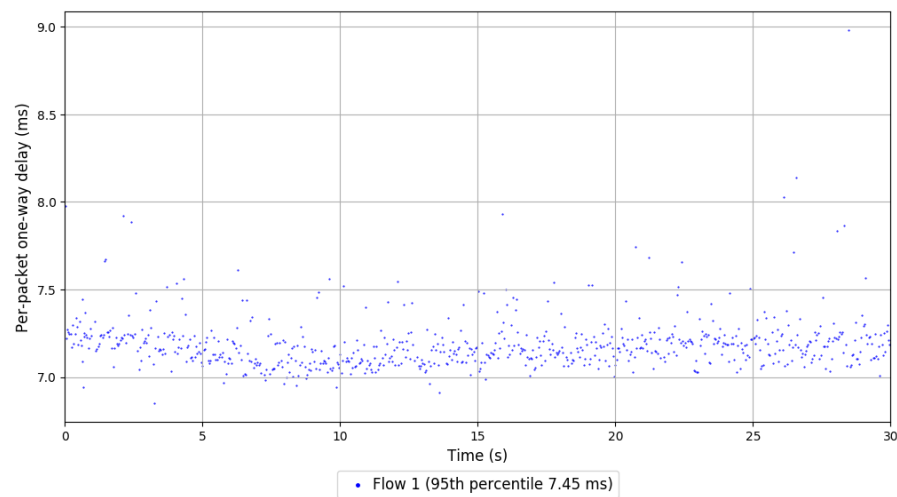
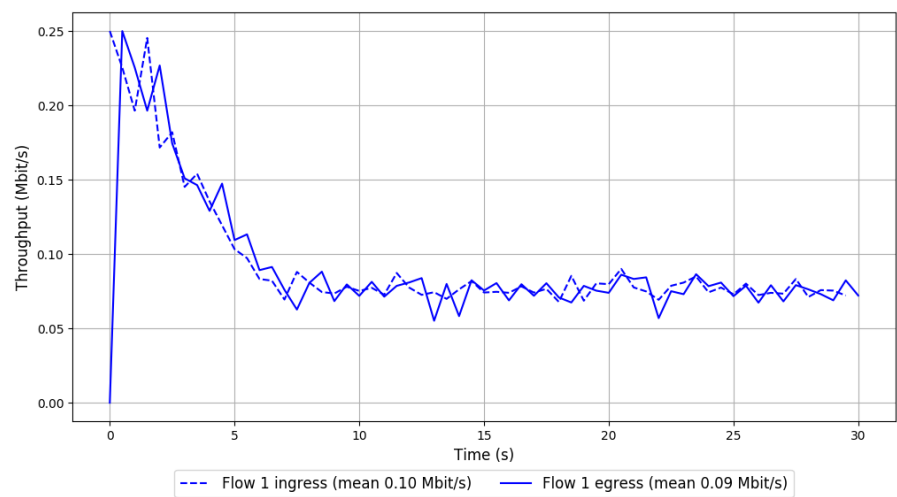


Run 7: Statistics of SCReAM

Start at: 2018-08-01 01:58:45
End at: 2018-08-01 01:59:15
Local clock offset: 1.447 ms
Remote clock offset: -9.568 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.454 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.454 ms
Loss rate: 2.07%

Run 7: Report of SReAM — Data Link

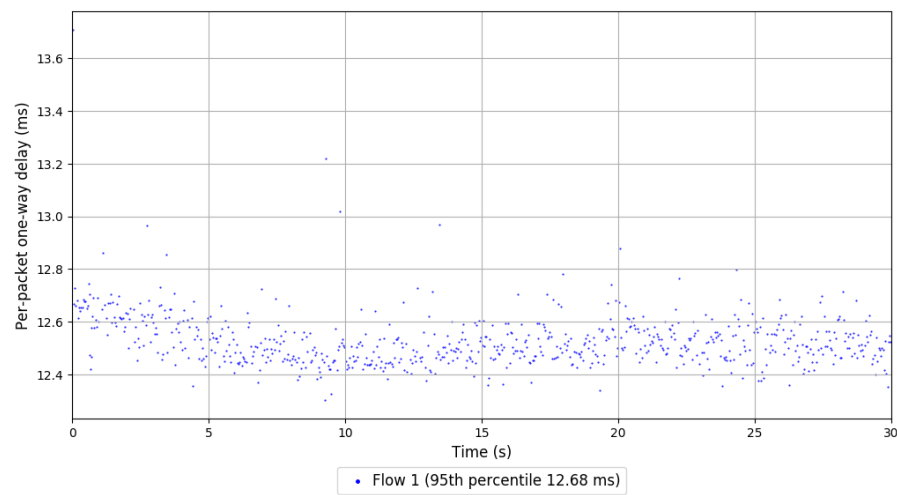
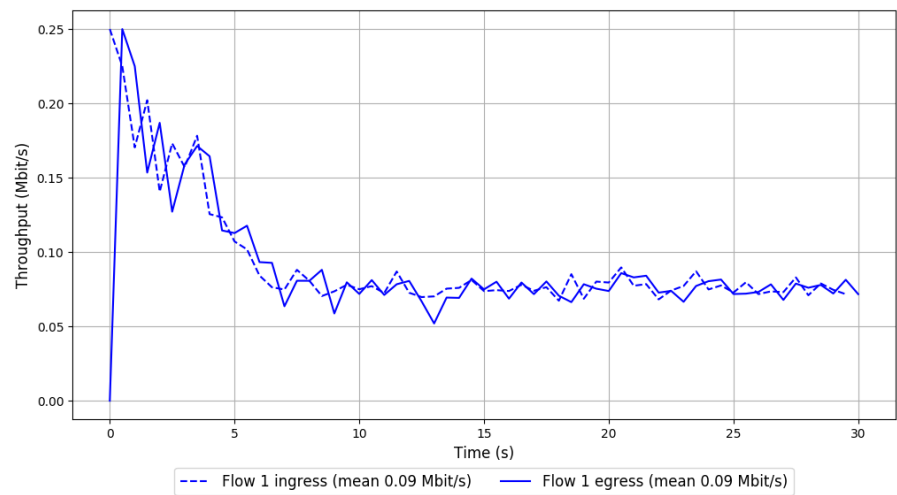


Run 8: Statistics of SCReAM

Start at: 2018-08-01 02:17:41
End at: 2018-08-01 02:18:11
Local clock offset: 0.407 ms
Remote clock offset: -8.974 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 12.678 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 12.678 ms
Loss rate: 2.39%

Run 8: Report of SReAM — Data Link

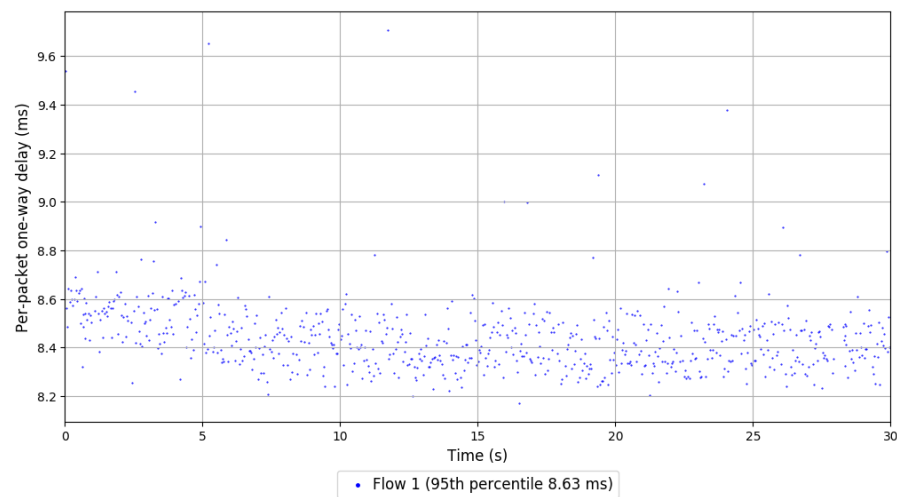
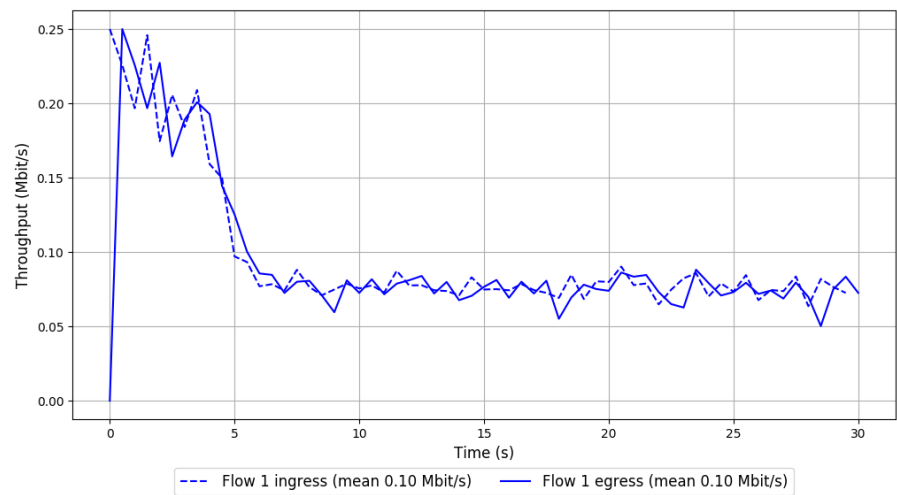


Run 9: Statistics of SCReAM

Start at: 2018-08-01 02:36:46
End at: 2018-08-01 02:37:16
Local clock offset: 0.079 ms
Remote clock offset: -11.74 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.632 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 8.632 ms
Loss rate: 2.96%

Run 9: Report of SReAM — Data Link

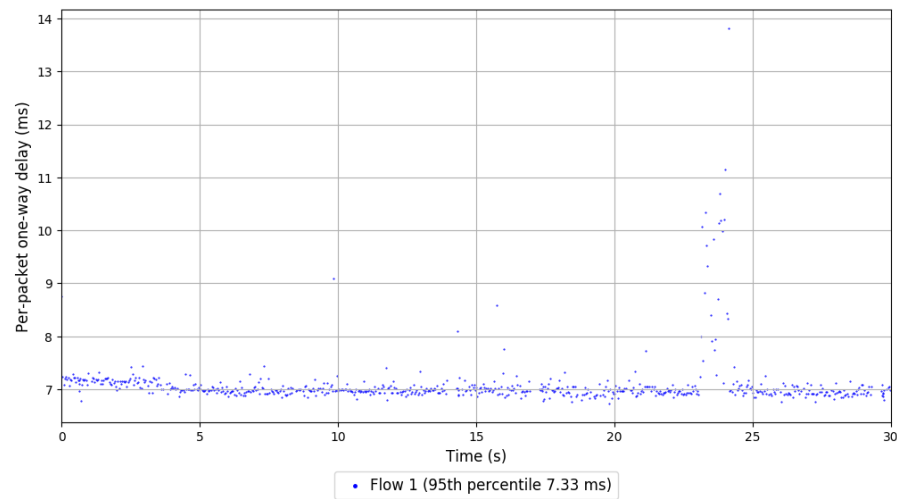
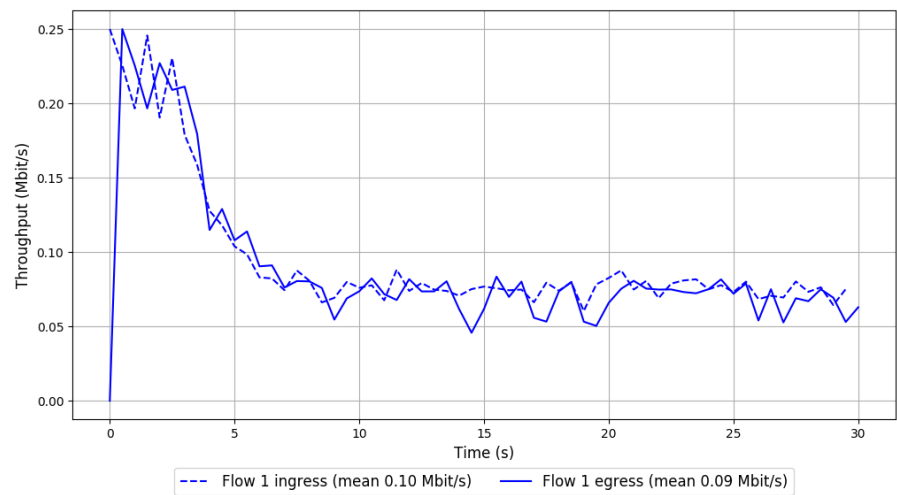


Run 10: Statistics of SCReAM

Start at: 2018-08-01 02:55:47
End at: 2018-08-01 02:56:17
Local clock offset: 0.511 ms
Remote clock offset: -5.531 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.328 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.328 ms
Loss rate: 5.73%

Run 10: Report of SCReAM — Data Link

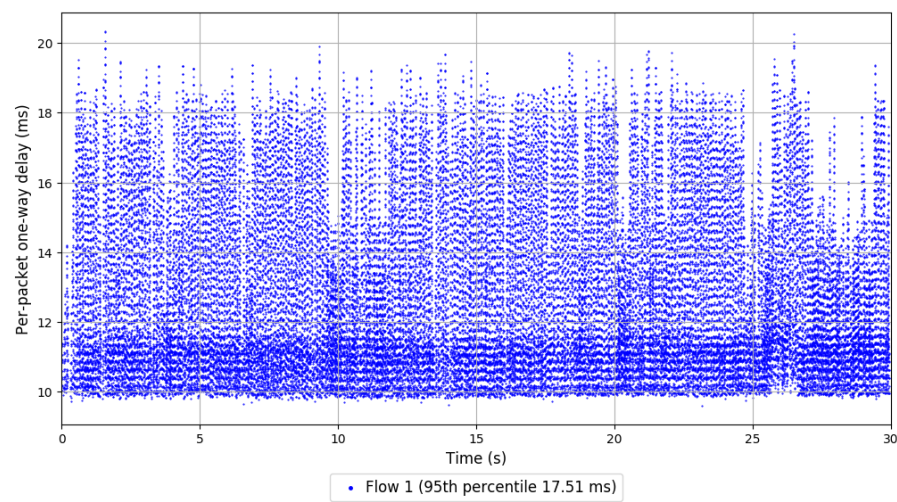
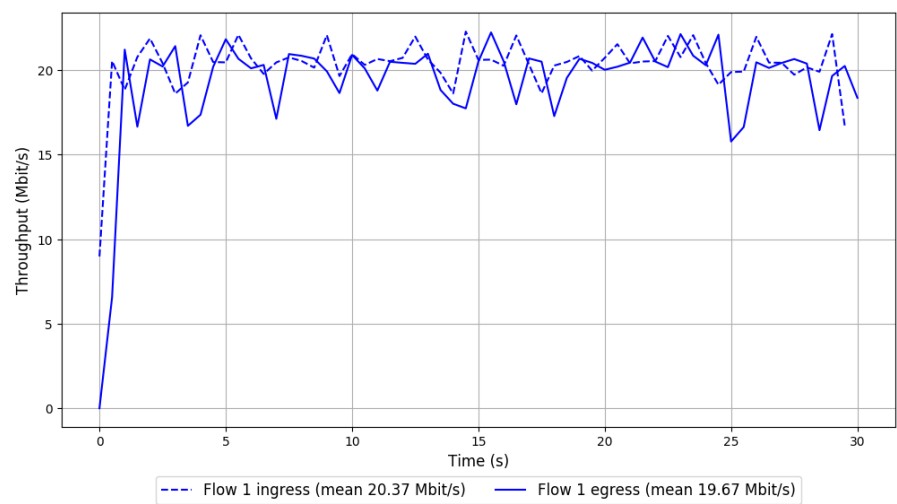


Run 1: Statistics of Sprout

Start at: 2018-08-01 00:15:08
End at: 2018-08-01 00:15:38
Local clock offset: 2.355 ms
Remote clock offset: -6.401 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 17.507 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 17.507 ms
Loss rate: 3.41%

Run 1: Report of Sprout — Data Link

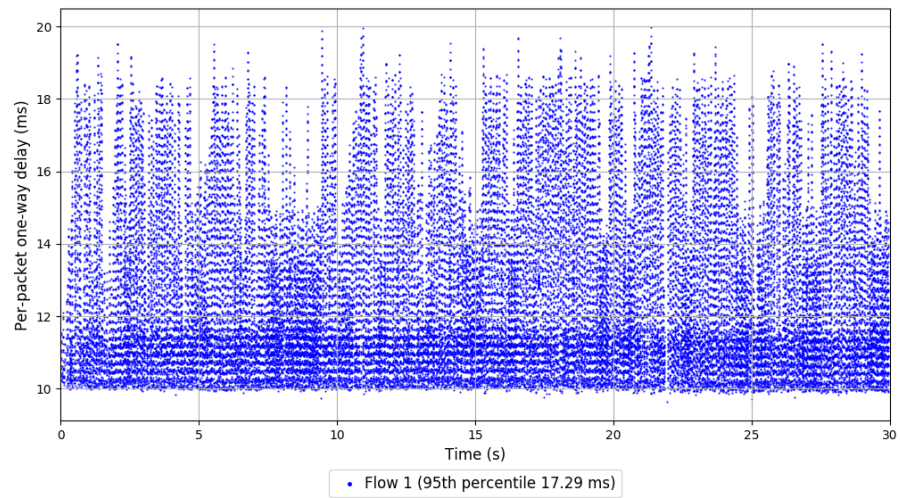
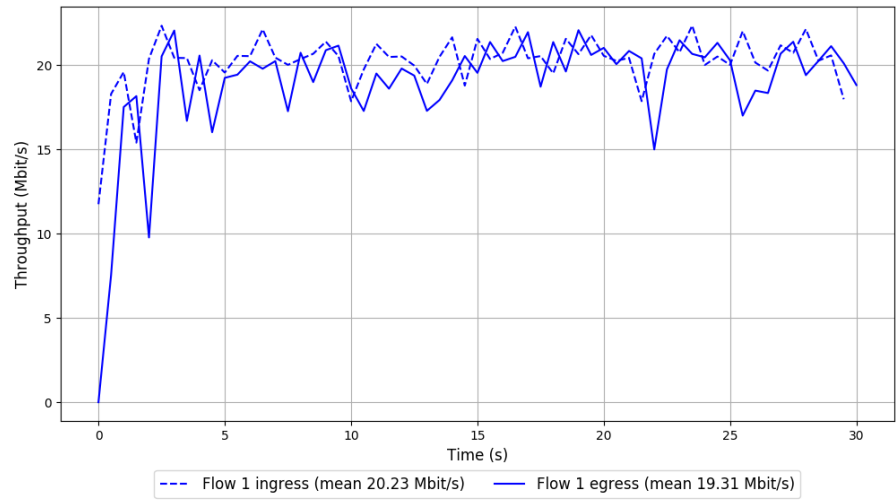


Run 2: Statistics of Sprout

Start at: 2018-08-01 00:34:13
End at: 2018-08-01 00:34:43
Local clock offset: 2.103 ms
Remote clock offset: -4.291 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 17.291 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 17.291 ms
Loss rate: 4.51%

Run 2: Report of Sprout — Data Link

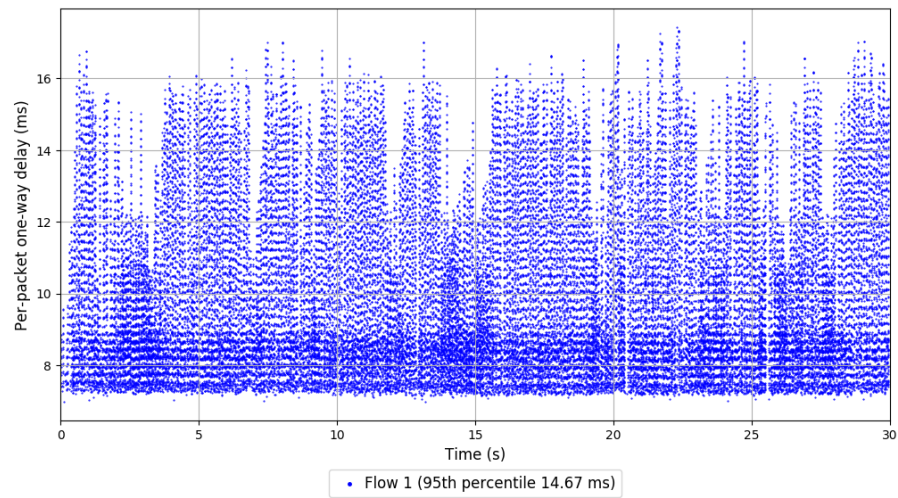
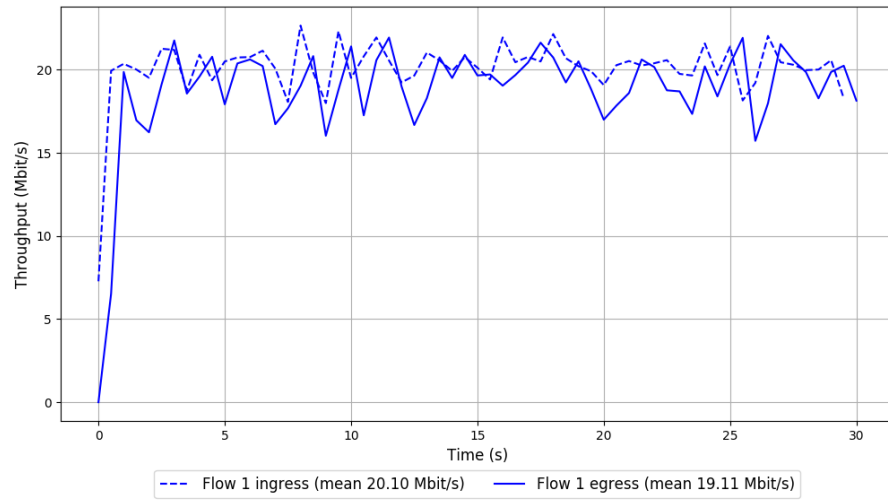


Run 3: Statistics of Sprout

Start at: 2018-08-01 00:53:39
End at: 2018-08-01 00:54:09
Local clock offset: 3.253 ms
Remote clock offset: -5.389 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 14.668 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 14.668 ms
Loss rate: 4.94%

Run 3: Report of Sprout — Data Link

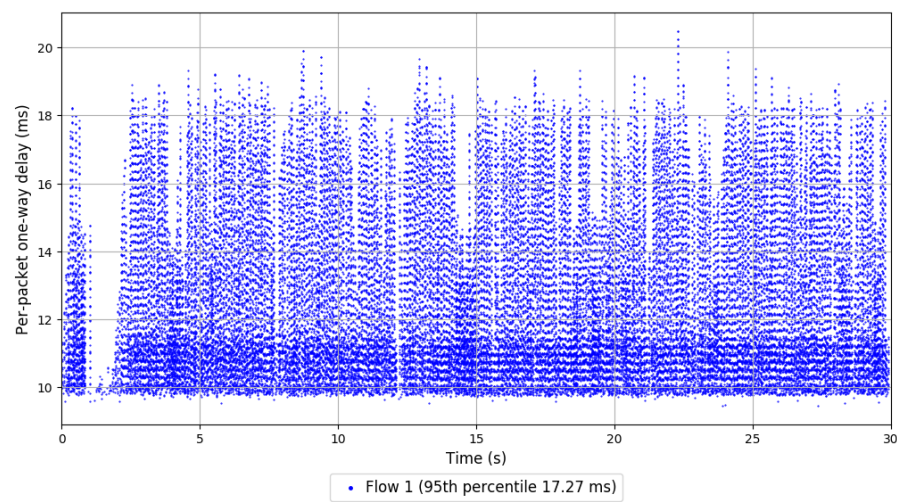
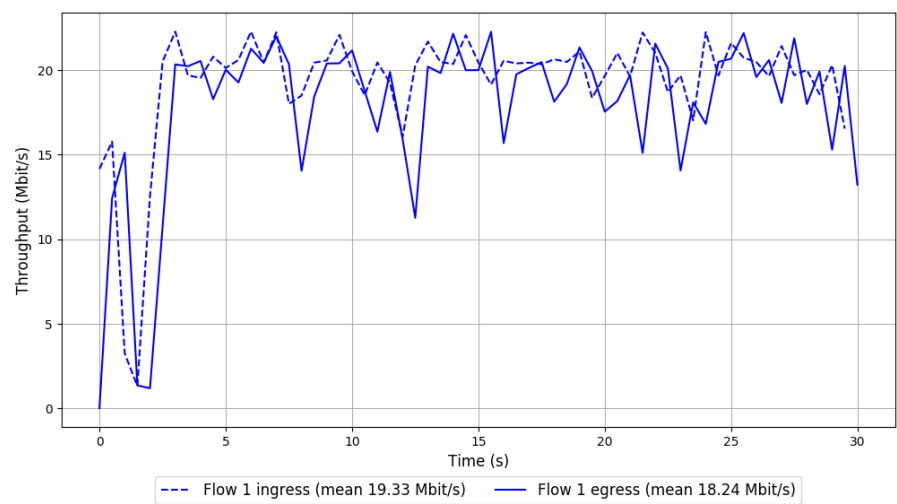


Run 4: Statistics of Sprout

Start at: 2018-08-01 01:12:58
End at: 2018-08-01 01:13:28
Local clock offset: 1.627 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 17.271 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 17.271 ms
Loss rate: 5.66%

Run 4: Report of Sprout — Data Link

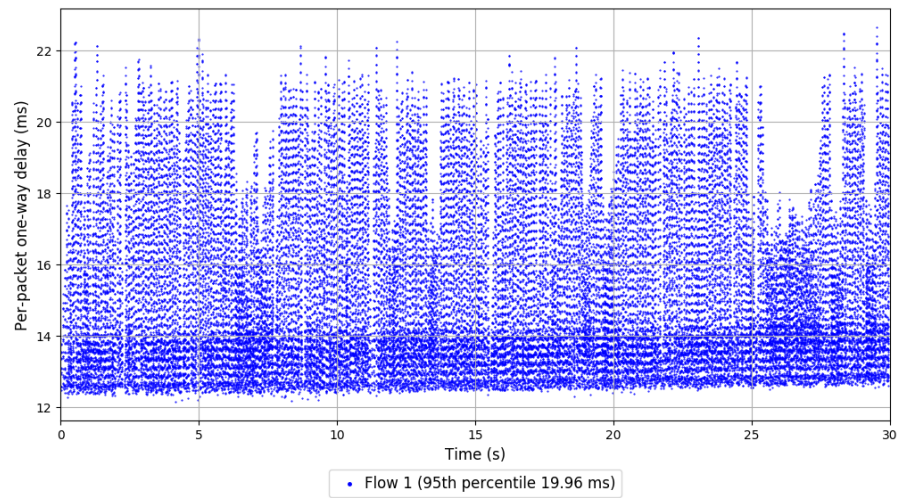
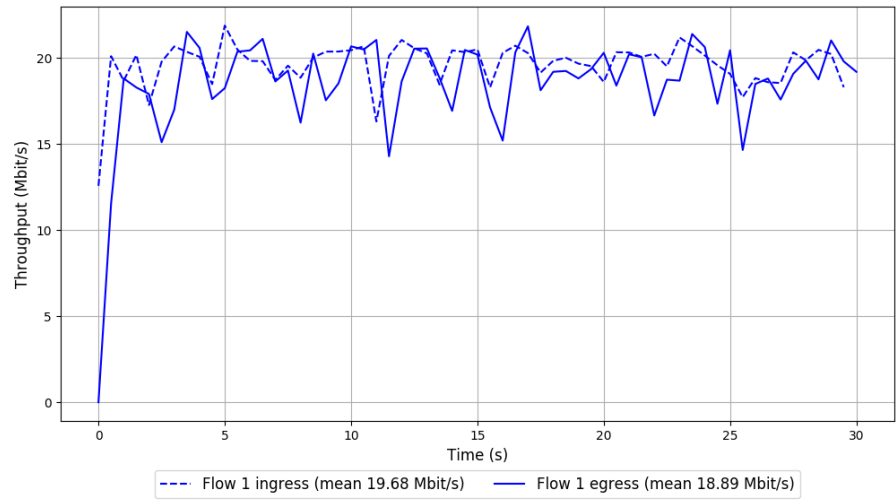


Run 5: Statistics of Sprout

Start at: 2018-08-01 01:31:53
End at: 2018-08-01 01:32:23
Local clock offset: -0.476 ms
Remote clock offset: 0.377 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 19.963 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 19.963 ms
Loss rate: 3.96%

Run 5: Report of Sprout — Data Link

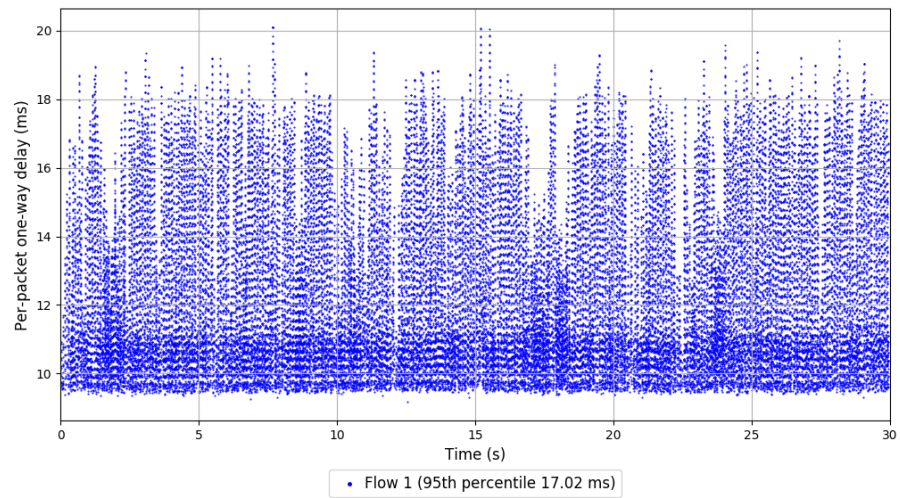
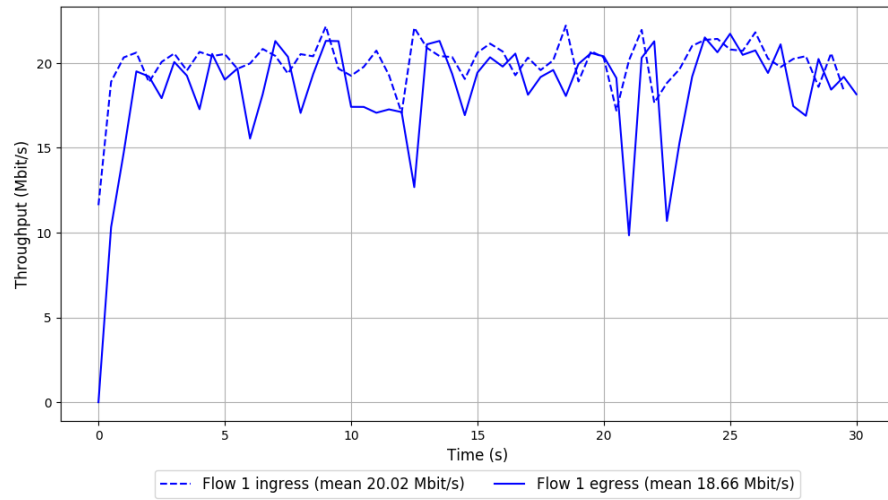


Run 6: Statistics of Sprout

Start at: 2018-08-01 01:50:49
End at: 2018-08-01 01:51:19
Local clock offset: -2.418 ms
Remote clock offset: -8.729 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 17.024 ms
Loss rate: 6.80%
-- Flow 1:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 17.024 ms
Loss rate: 6.80%

Run 6: Report of Sprout — Data Link

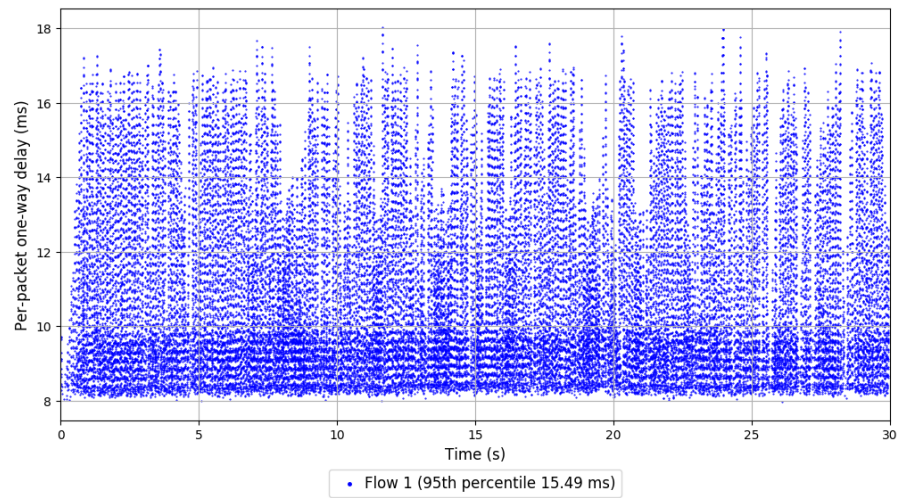
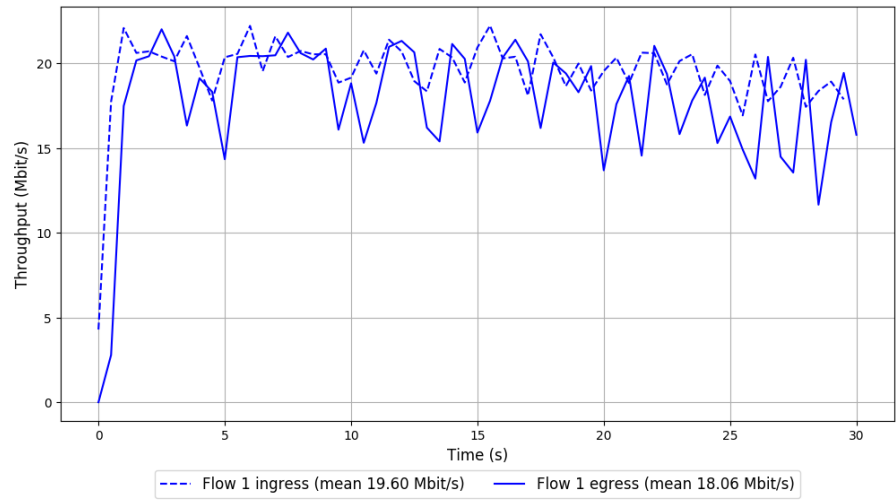


Run 7: Statistics of Sprout

Start at: 2018-08-01 02:09:43
End at: 2018-08-01 02:10:13
Local clock offset: 1.006 ms
Remote clock offset: -10.795 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 15.492 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 15.492 ms
Loss rate: 7.93%

Run 7: Report of Sprout — Data Link

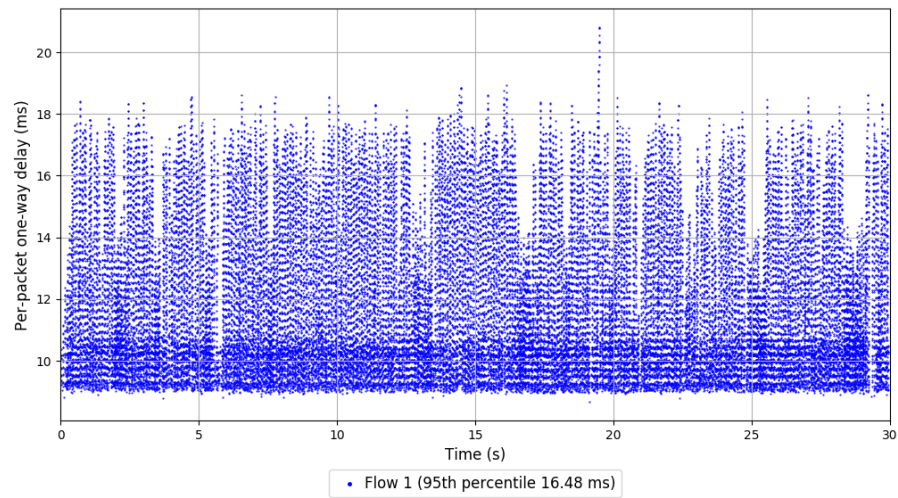
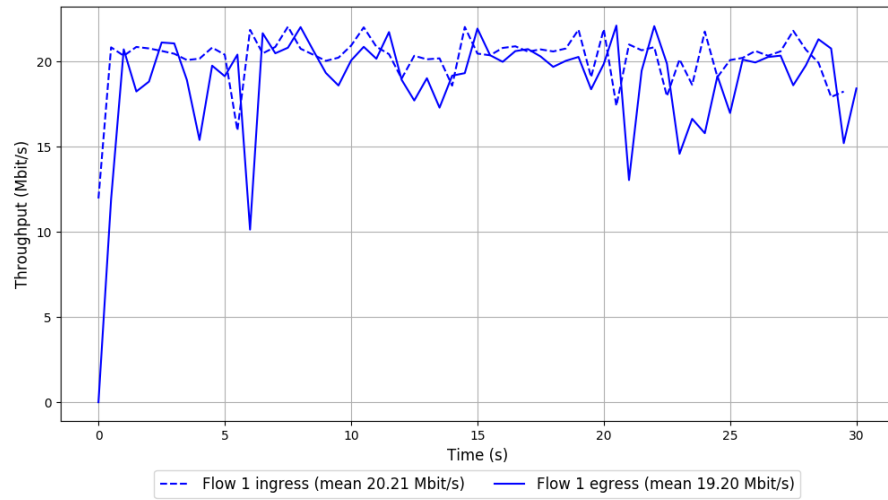


Run 8: Statistics of Sprout

Start at: 2018-08-01 02:28:44
End at: 2018-08-01 02:29:14
Local clock offset: -1.019 ms
Remote clock offset: -12.434 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 16.476 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 16.476 ms
Loss rate: 4.99%

Run 8: Report of Sprout — Data Link

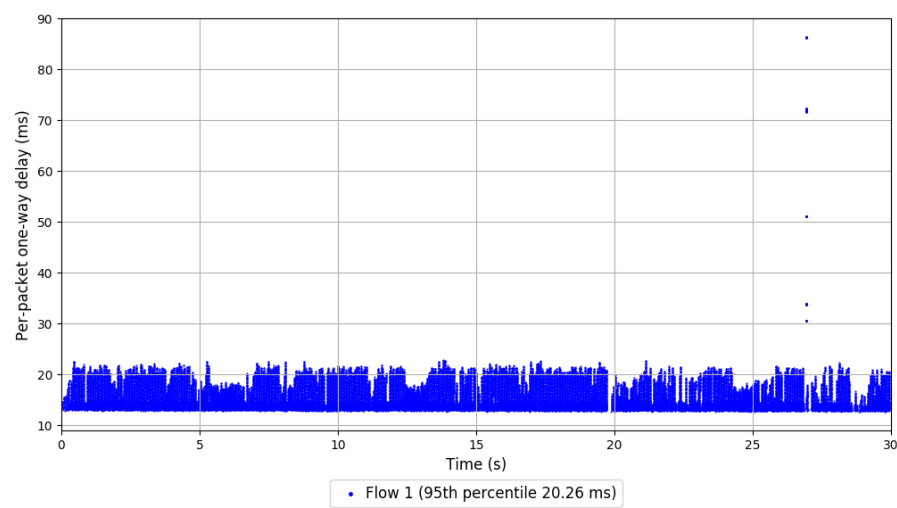
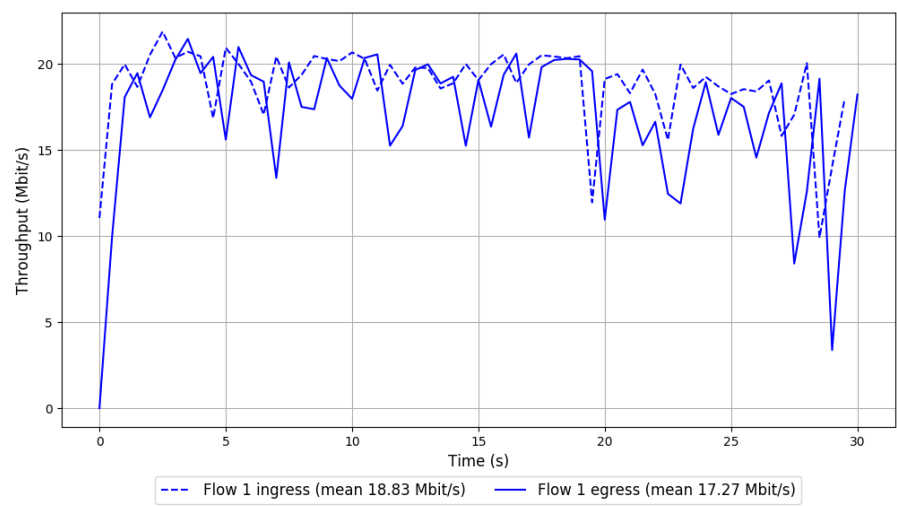


Run 9: Statistics of Sprout

Start at: 2018-08-01 02:47:47
End at: 2018-08-01 02:48:17
Local clock offset: -2.392 ms
Remote clock offset: -5.396 ms

Below is generated by plot.py at 2018-08-01 03:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 20.262 ms
Loss rate: 8.27%
-- Flow 1:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 20.262 ms
Loss rate: 8.27%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 03:06:53

End at: 2018-08-01 03:07:23

Local clock offset: 1.494 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2018-08-01 03:25:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 18.761 ms

Loss rate: 4.99%

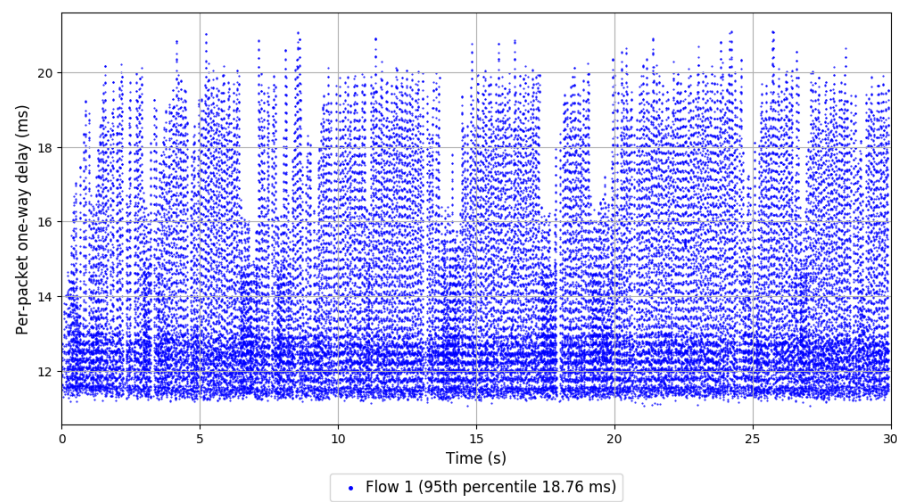
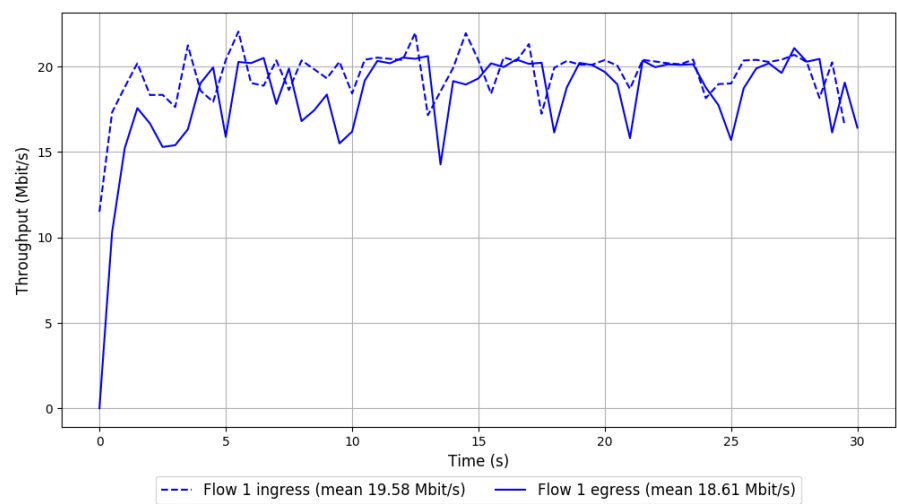
-- Flow 1:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 18.761 ms

Loss rate: 4.99%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 00:18:33

End at: 2018-08-01 00:19:04

Local clock offset: 3.564 ms

Remote clock offset: -9.444 ms

Below is generated by plot.py at 2018-08-01 03:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.38 Mbit/s

95th percentile per-packet one-way delay: 6.963 ms

Loss rate: 8.16%

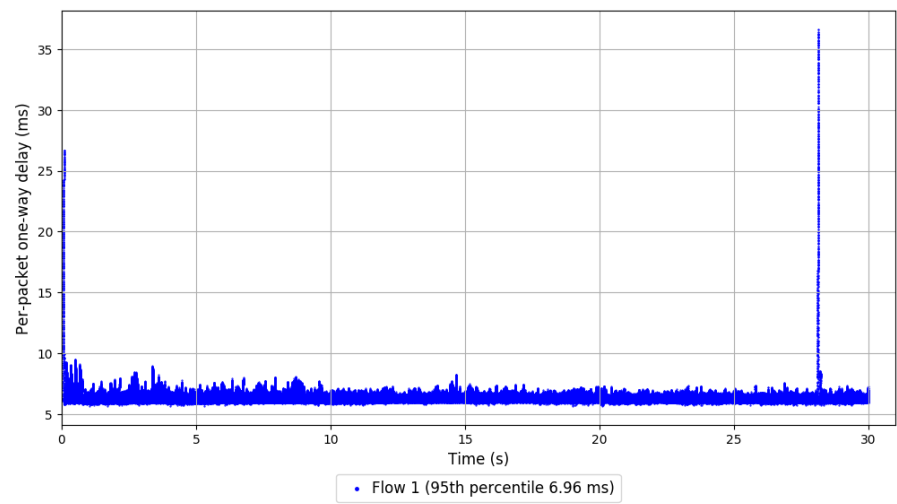
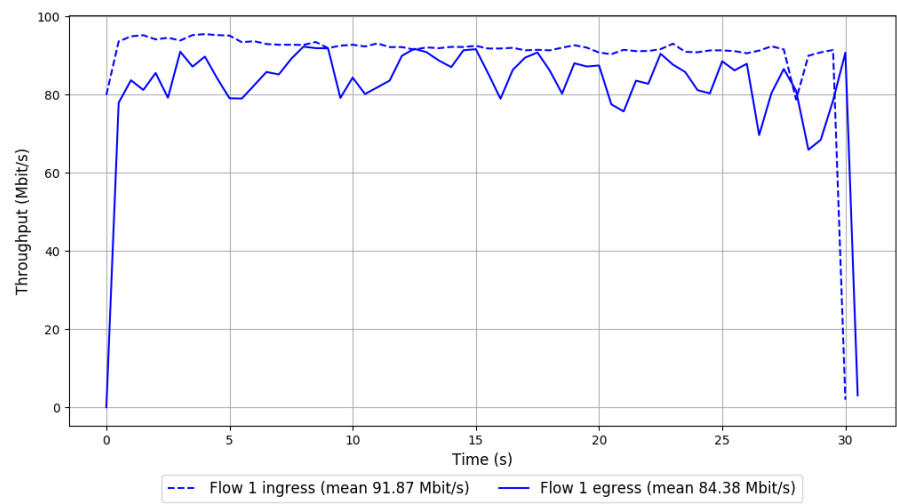
-- Flow 1:

Average throughput: 84.38 Mbit/s

95th percentile per-packet one-way delay: 6.963 ms

Loss rate: 8.16%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 00:37:42

End at: 2018-08-01 00:38:12

Local clock offset: 1.778 ms

Remote clock offset: -4.663 ms

Below is generated by plot.py at 2018-08-01 03:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 12.601 ms

Loss rate: 9.29%

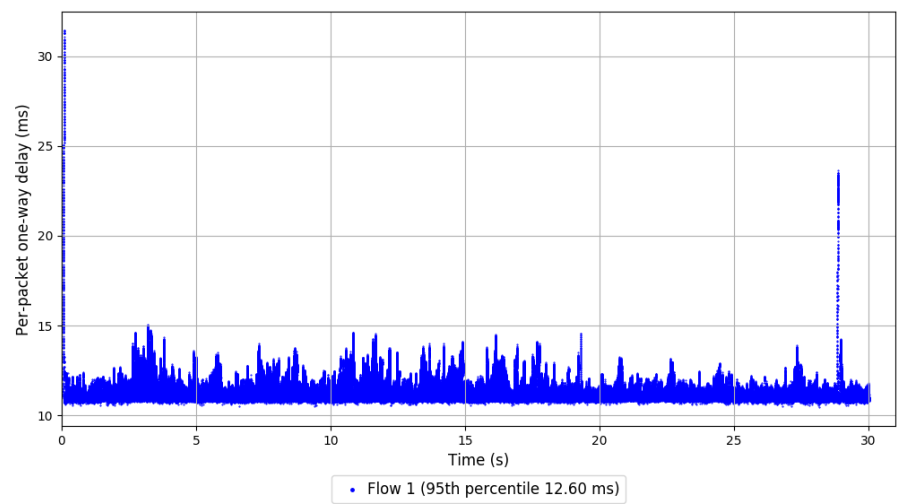
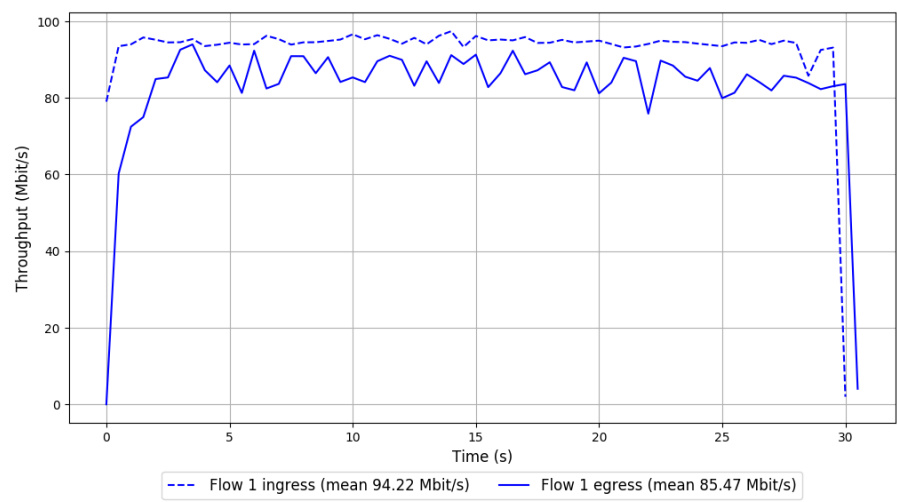
-- Flow 1:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 12.601 ms

Loss rate: 9.29%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 00:57:06

End at: 2018-08-01 00:57:36

Local clock offset: 0.722 ms

Remote clock offset: -3.375 ms

Below is generated by plot.py at 2018-08-01 03:27:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.85 Mbit/s

95th percentile per-packet one-way delay: 15.018 ms

Loss rate: 11.52%

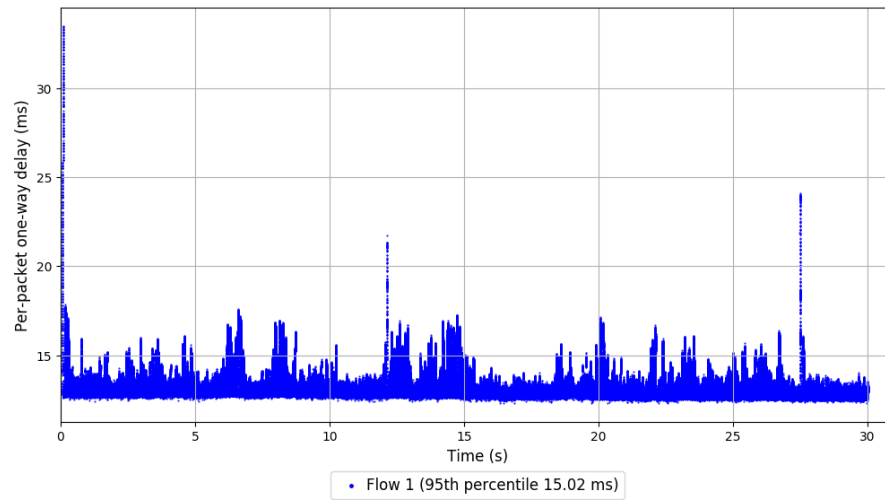
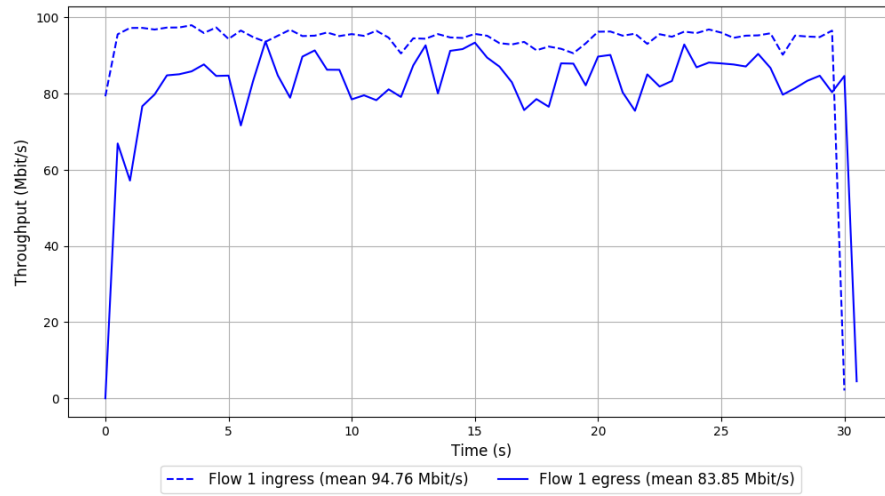
-- Flow 1:

Average throughput: 83.85 Mbit/s

95th percentile per-packet one-way delay: 15.018 ms

Loss rate: 11.52%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 01:16:21

End at: 2018-08-01 01:16:51

Local clock offset: 3.337 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-08-01 03:27:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 11.813 ms

Loss rate: 10.95%

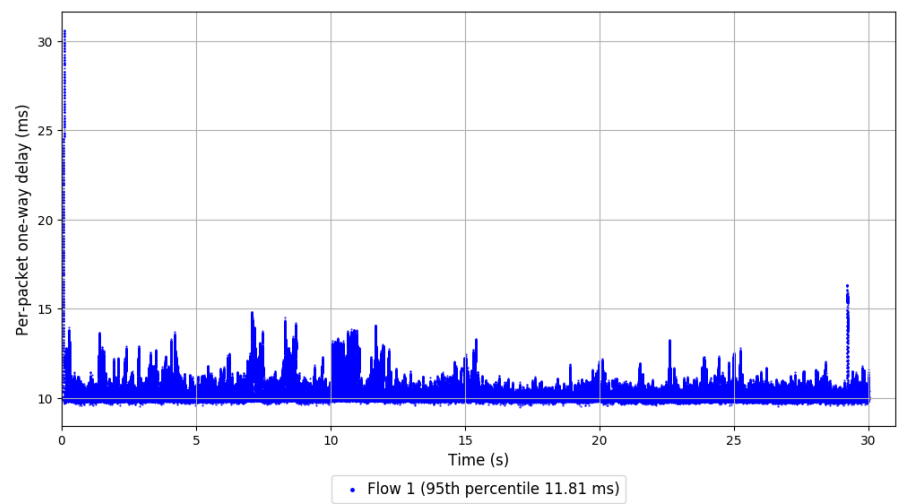
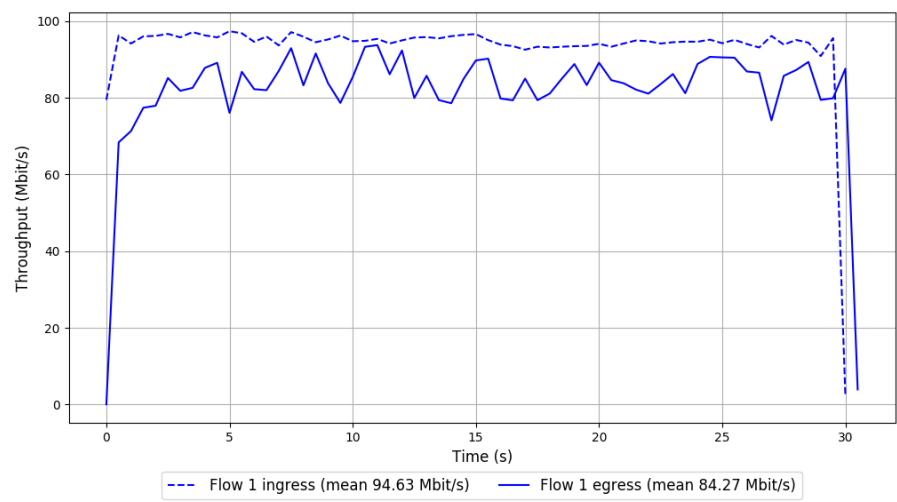
-- Flow 1:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 11.813 ms

Loss rate: 10.95%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 01:35:16

End at: 2018-08-01 01:35:46

Local clock offset: -1.1 ms

Remote clock offset: -3.87 ms

Below is generated by plot.py at 2018-08-01 03:27:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.82 Mbit/s

95th percentile per-packet one-way delay: 11.712 ms

Loss rate: 12.28%

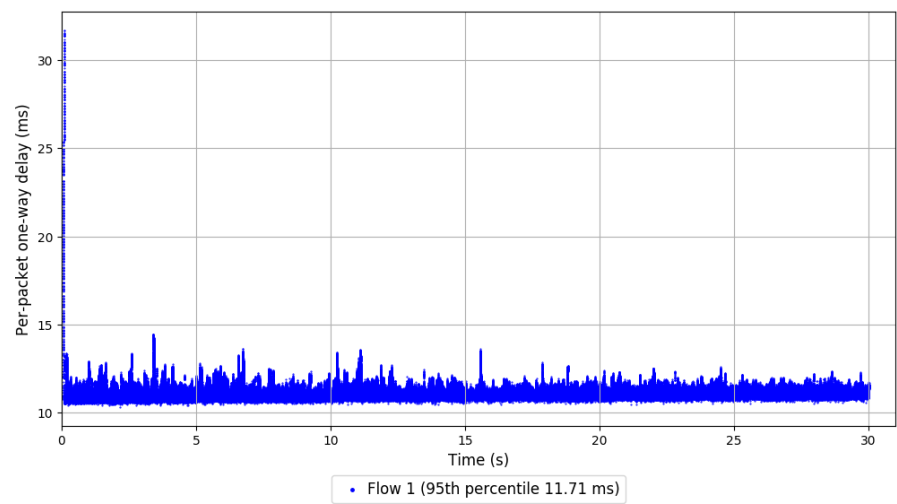
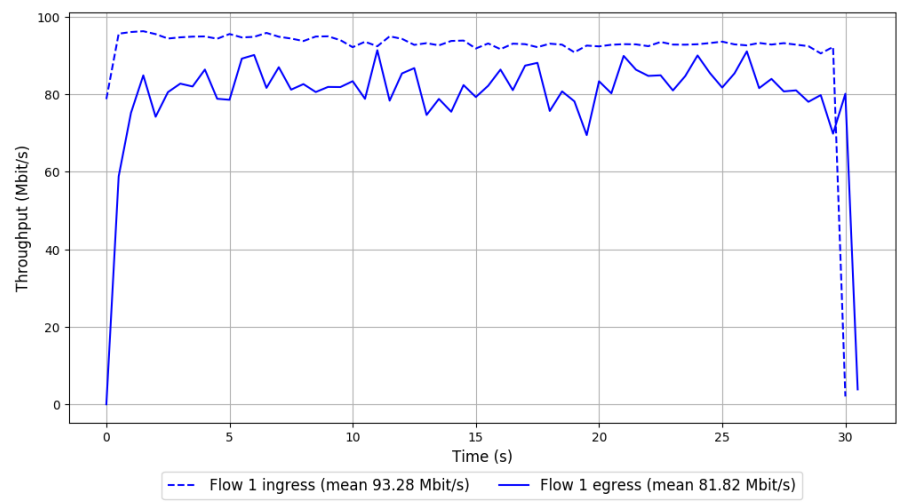
-- Flow 1:

Average throughput: 81.82 Mbit/s

95th percentile per-packet one-way delay: 11.712 ms

Loss rate: 12.28%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 01:54:14

End at: 2018-08-01 01:54:44

Local clock offset: -2.44 ms

Remote clock offset: -9.151 ms

Below is generated by plot.py at 2018-08-01 03:27:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.79 Mbit/s

95th percentile per-packet one-way delay: 11.587 ms

Loss rate: 9.86%

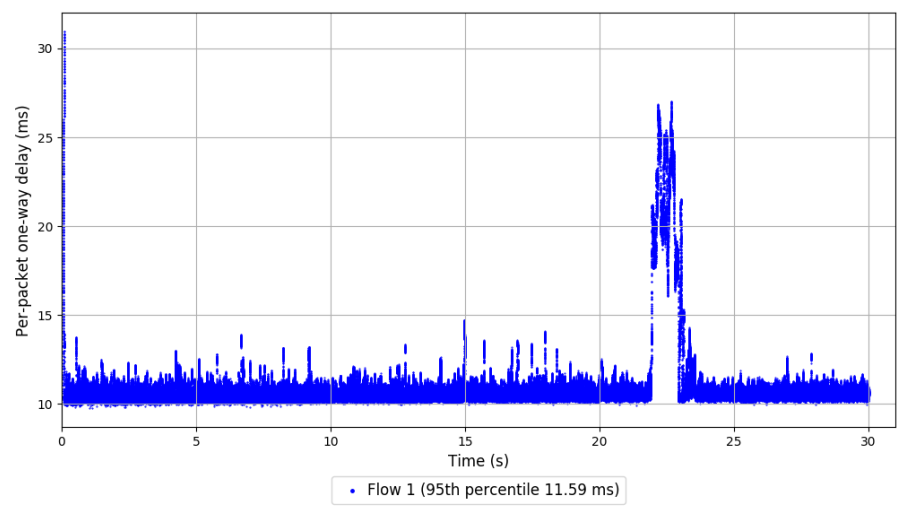
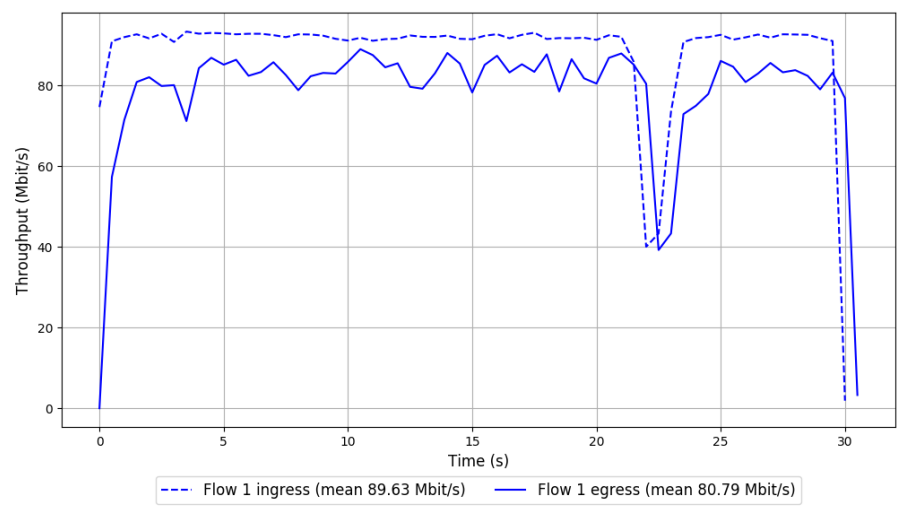
-- Flow 1:

Average throughput: 80.79 Mbit/s

95th percentile per-packet one-way delay: 11.587 ms

Loss rate: 9.86%

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

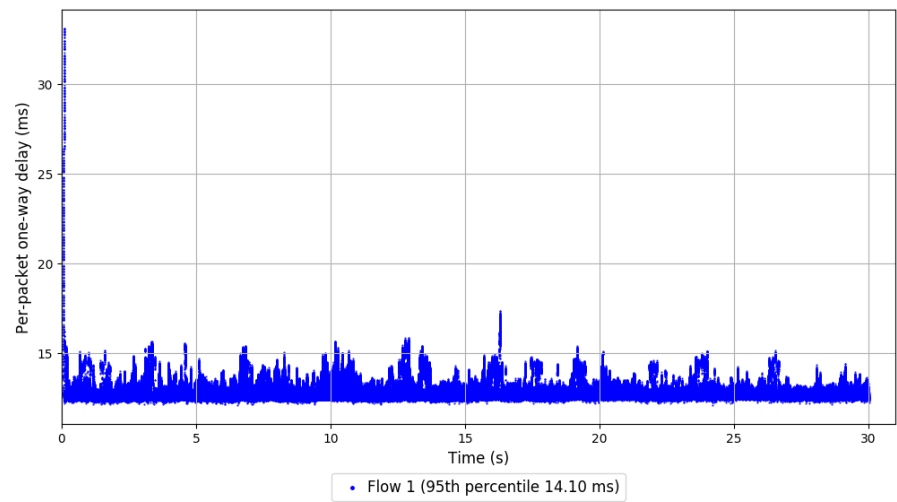
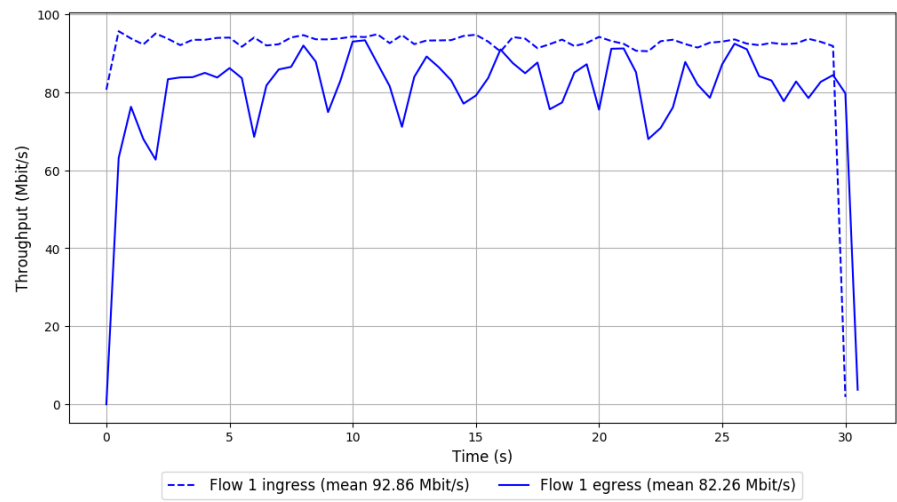


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 02:13:07
End at: 2018-08-01 02:13:37
Local clock offset: -0.308 ms
Remote clock offset: -8.228 ms

Below is generated by plot.py at 2018-08-01 03:27:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 14.096 ms
Loss rate: 11.42%
-- Flow 1:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 14.096 ms
Loss rate: 11.42%

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

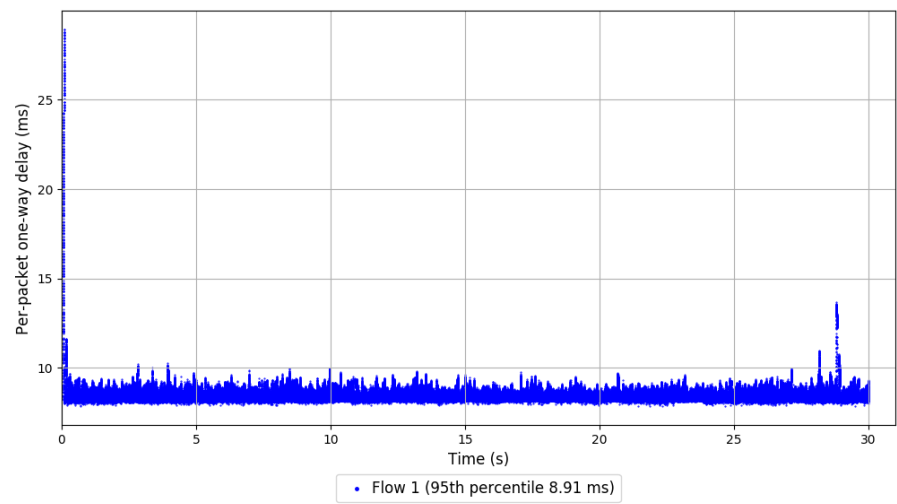
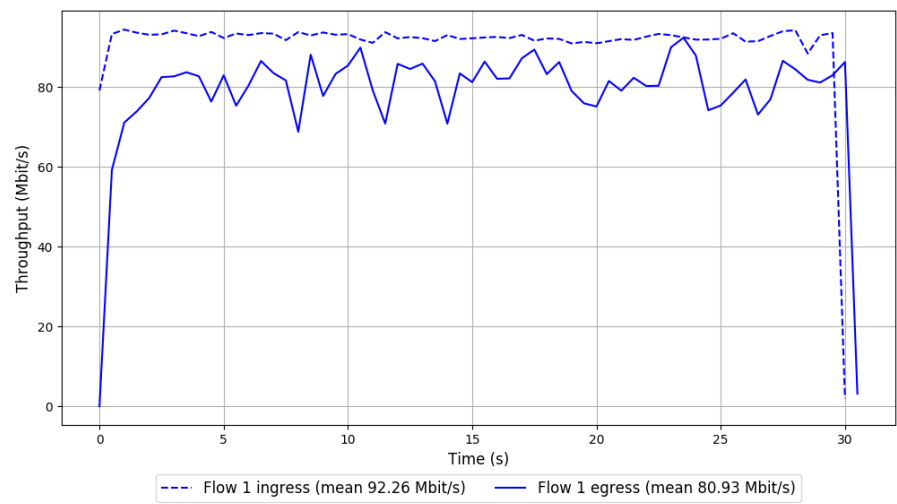


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 02:32:06
End at: 2018-08-01 02:32:36
Local clock offset: 1.201 ms
Remote clock offset: -12.154 ms

Below is generated by plot.py at 2018-08-01 03:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 8.910 ms
Loss rate: 12.28%
-- Flow 1:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 8.910 ms
Loss rate: 12.28%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 02:51:16

End at: 2018-08-01 02:51:46

Local clock offset: -1.51 ms

Remote clock offset: -6.434 ms

Below is generated by plot.py at 2018-08-01 03:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 11.513 ms

Loss rate: 12.74%

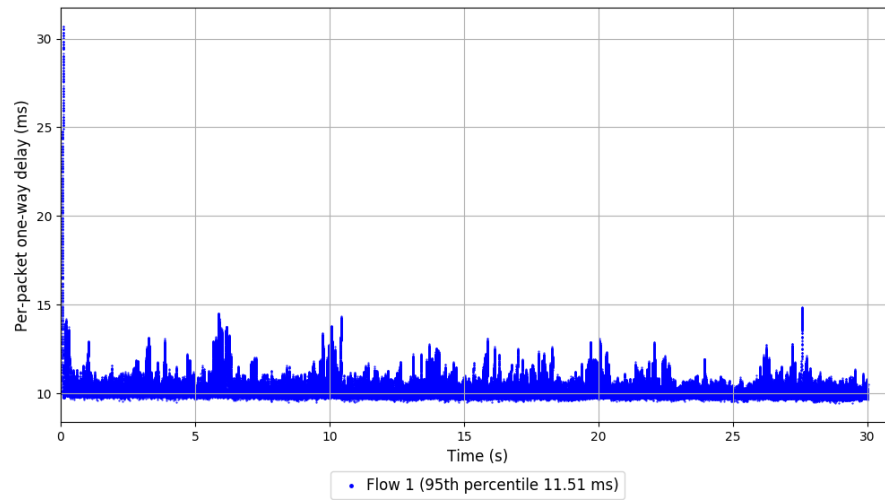
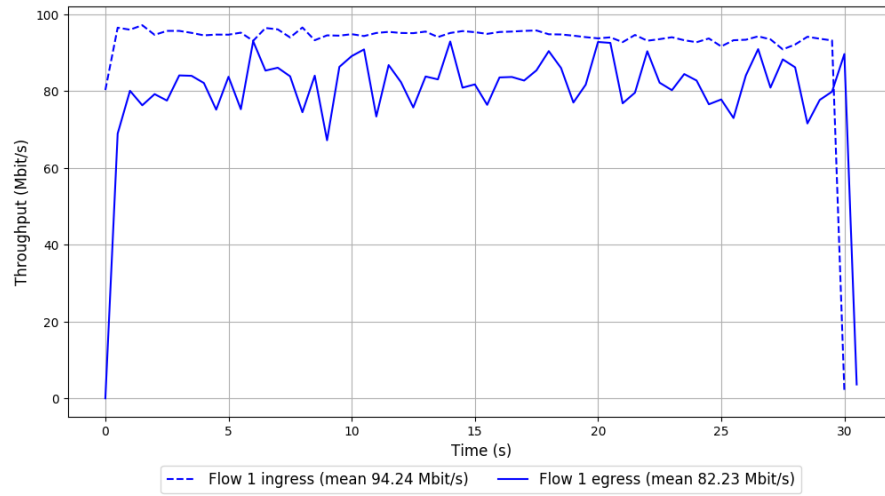
-- Flow 1:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 11.513 ms

Loss rate: 12.74%

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

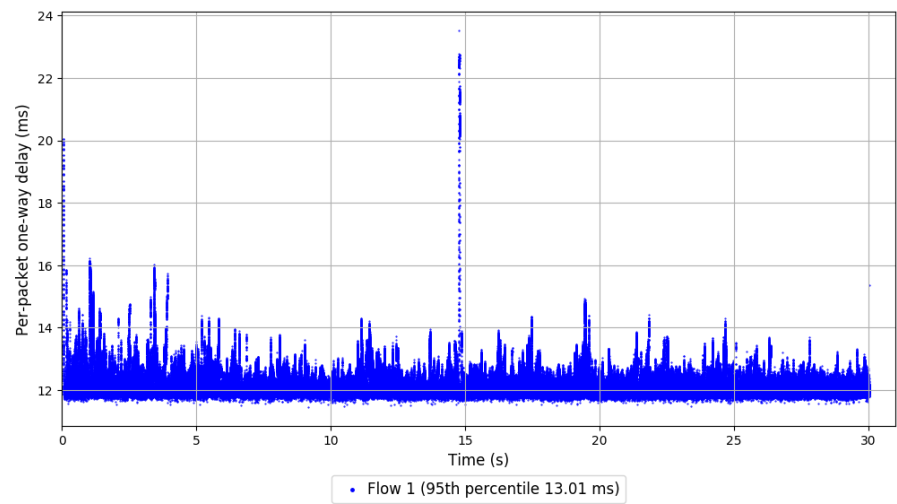
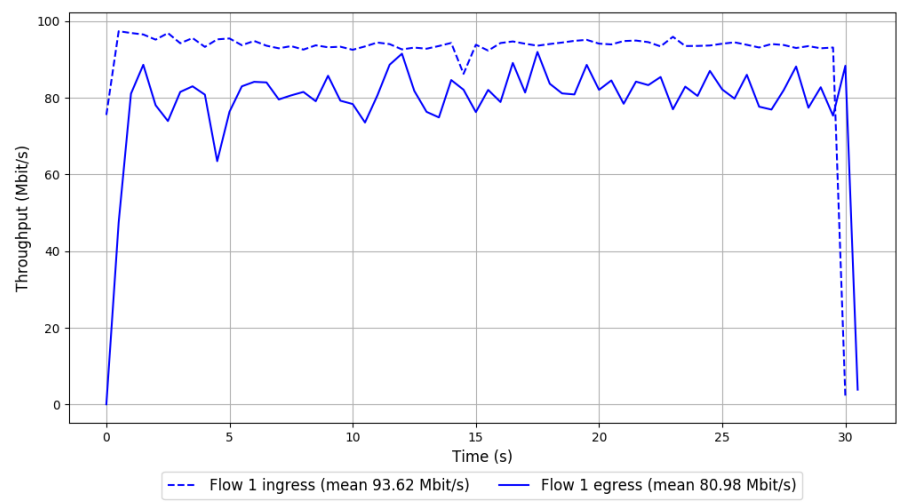


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 03:10:17
End at: 2018-08-01 03:10:47
Local clock offset: 1.443 ms
Remote clock offset: -0.341 ms

# Below is generated by plot.py at 2018-08-01 03:28:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 13.012 ms
Loss rate: 13.49%
-- Flow 1:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 13.012 ms
Loss rate: 13.49%
```

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

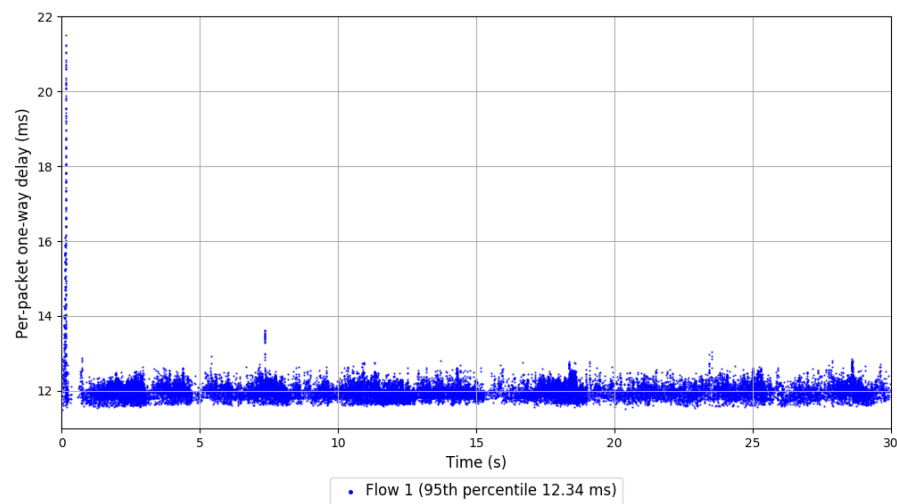
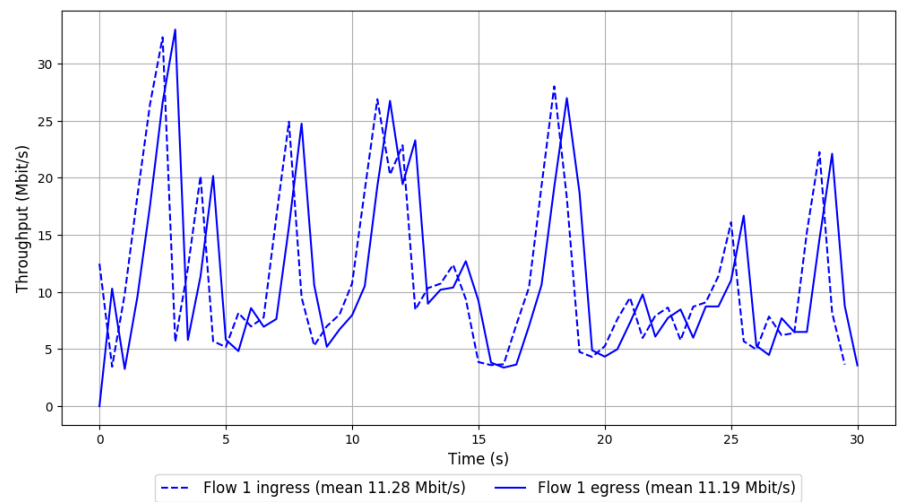


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 00:08:32
End at: 2018-08-01 00:09:02
Local clock offset: -0.404 ms
Remote clock offset: -8.149 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 12.342 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 12.342 ms
Loss rate: 0.84%

Run 1: Report of TCP Vegas — Data Link

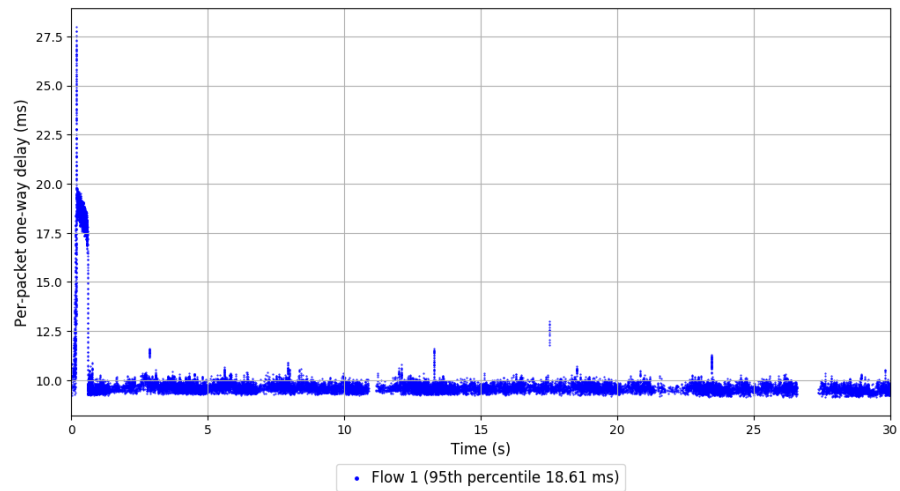
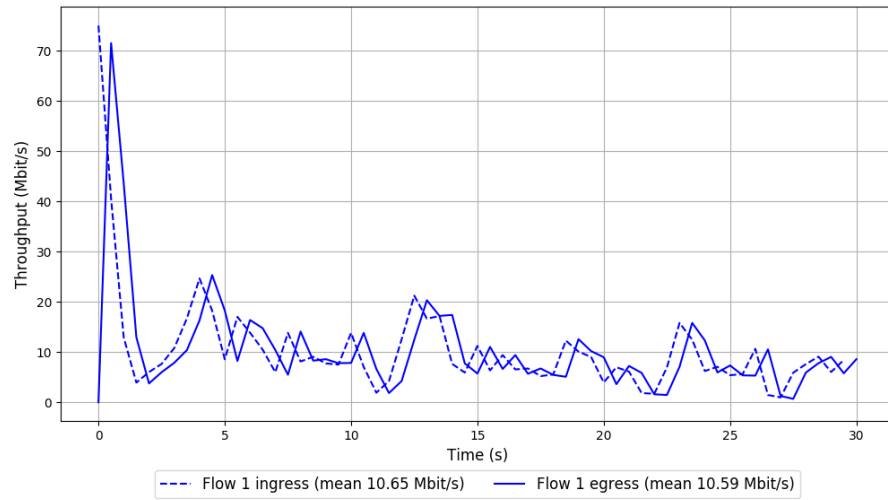


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 00:27:31
End at: 2018-08-01 00:28:01
Local clock offset: 3.727 ms
Remote clock offset: -5.526 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.61%

Run 2: Report of TCP Vegas — Data Link

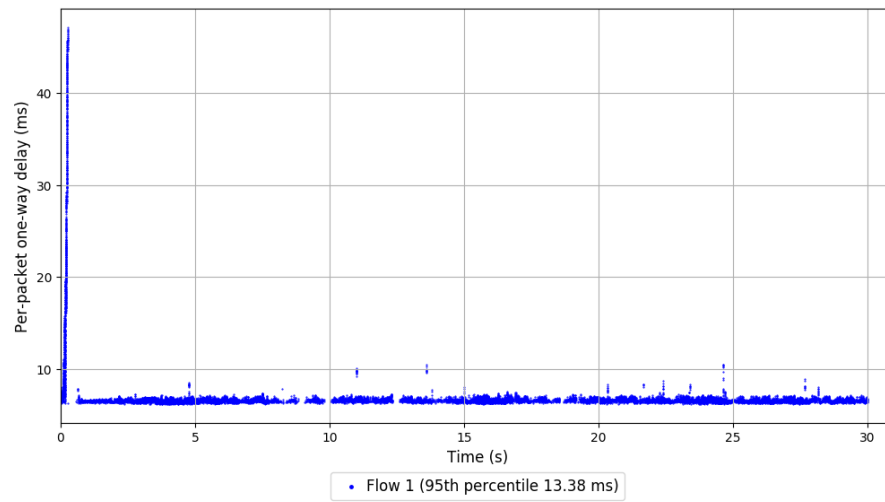
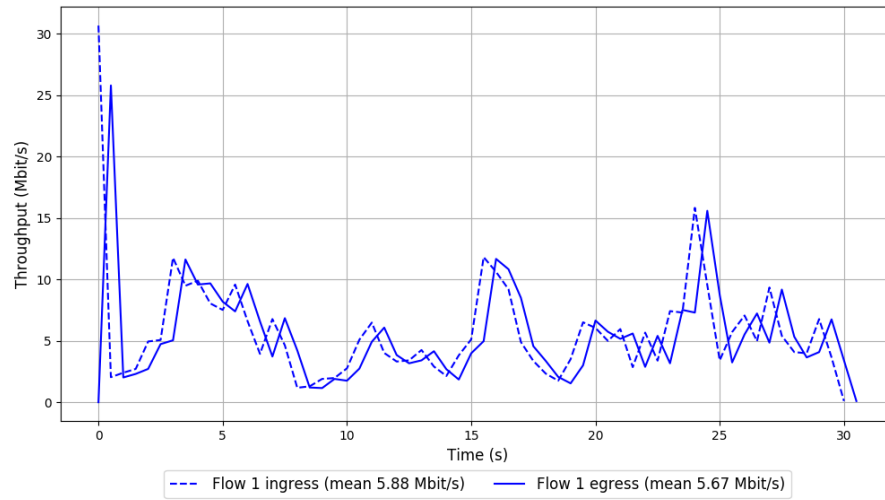


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 00:46:48
End at: 2018-08-01 00:47:18
Local clock offset: 3.731 ms
Remote clock offset: -5.93 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 13.385 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 13.385 ms
Loss rate: 3.59%

Run 3: Report of TCP Vegas — Data Link

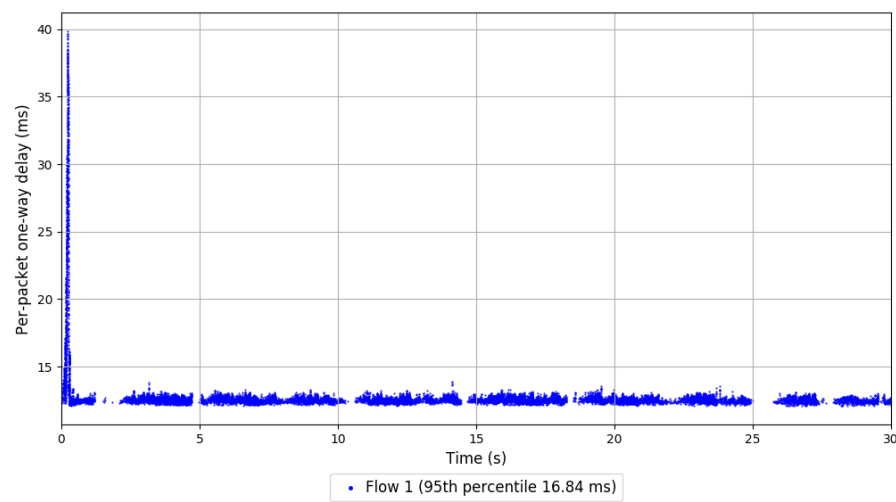
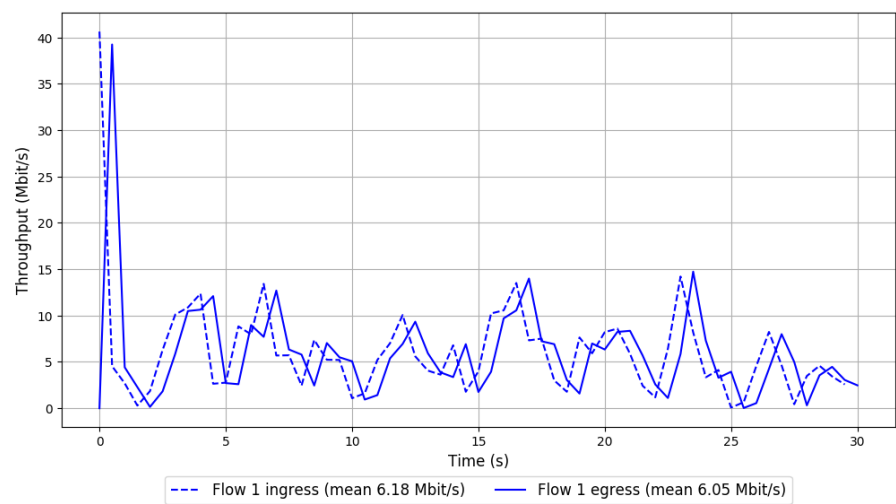


Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 01:06:24
End at: 2018-08-01 01:06:54
Local clock offset: 1.085 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 16.838 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 16.838 ms
Loss rate: 2.08%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 01:25:21

End at: 2018-08-01 01:25:51

Local clock offset: -0.2 ms

Remote clock offset: -2.11 ms

Below is generated by plot.py at 2018-08-01 03:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.71 Mbit/s

95th percentile per-packet one-way delay: 10.945 ms

Loss rate: 2.26%

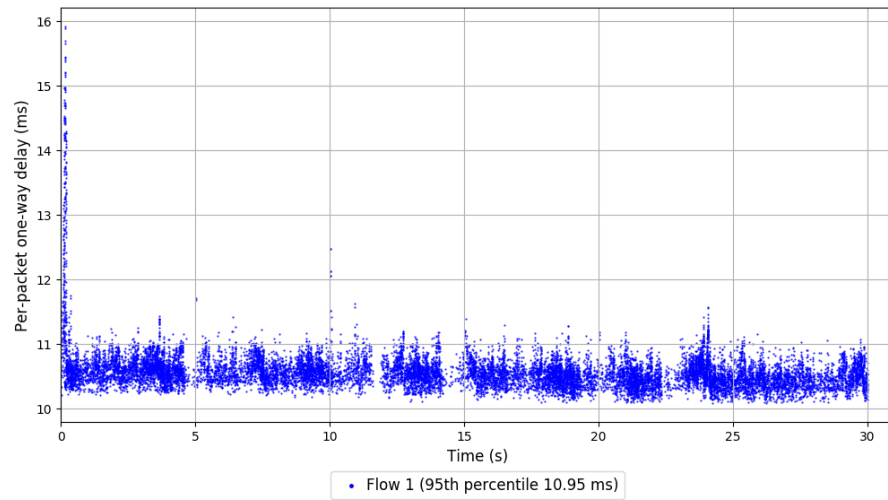
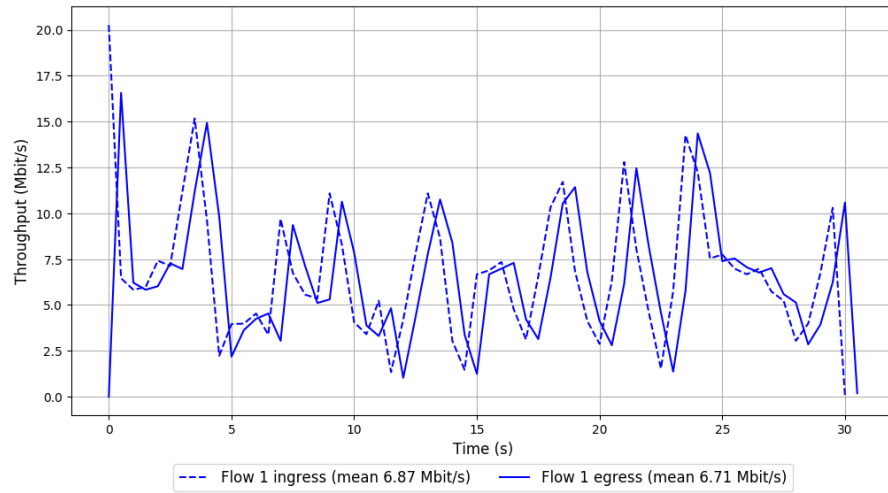
-- Flow 1:

Average throughput: 6.71 Mbit/s

95th percentile per-packet one-way delay: 10.945 ms

Loss rate: 2.26%

Run 5: Report of TCP Vegas — Data Link

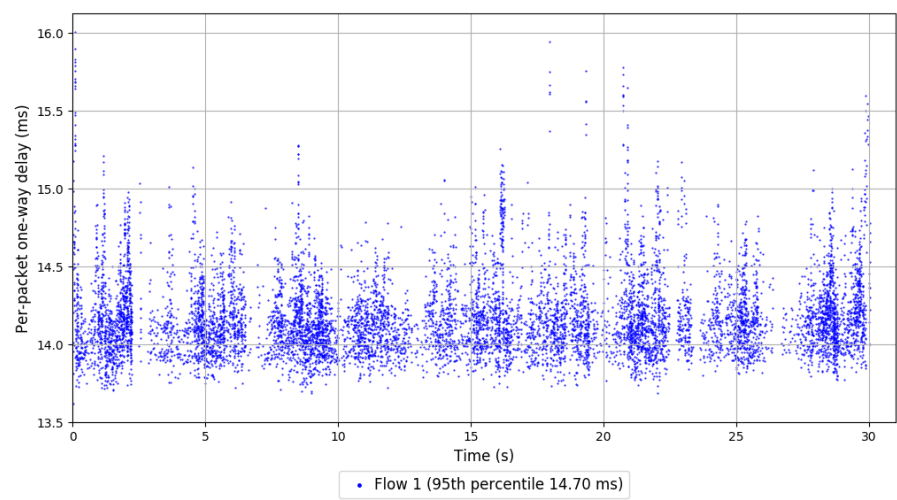
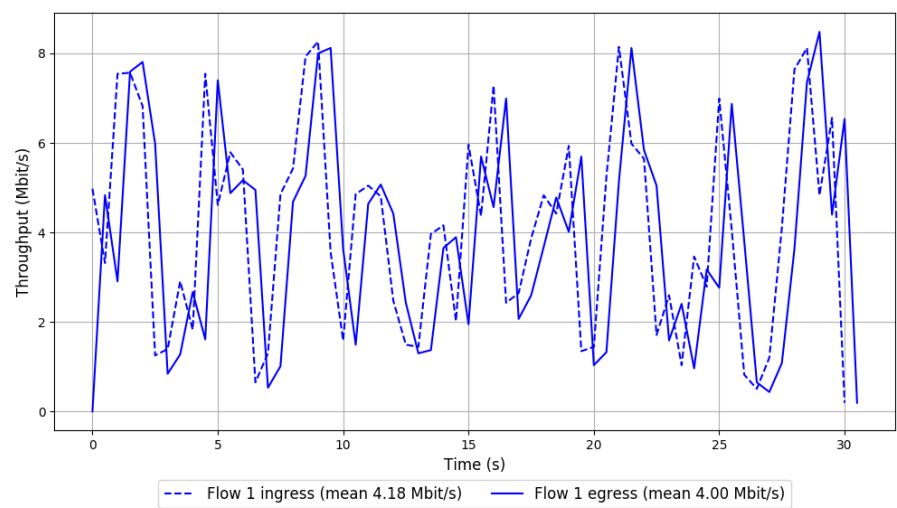


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 01:44:13
End at: 2018-08-01 01:44:43
Local clock offset: -2.633 ms
Remote clock offset: -4.911 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 14.695 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 14.695 ms
Loss rate: 4.26%

Run 6: Report of TCP Vegas — Data Link

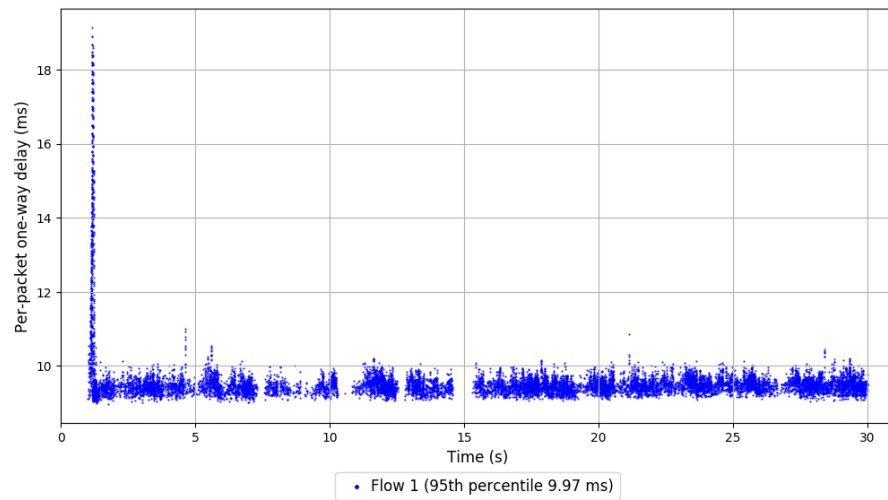
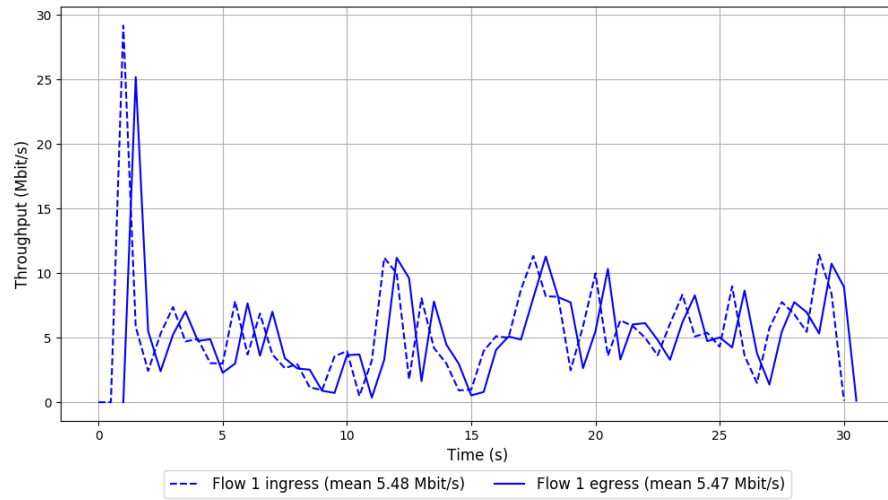


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 02:03:08
End at: 2018-08-01 02:03:38
Local clock offset: 1.242 ms
Remote clock offset: -9.855 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 9.975 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 9.975 ms
Loss rate: 3.50%

Run 7: Report of TCP Vegas — Data Link

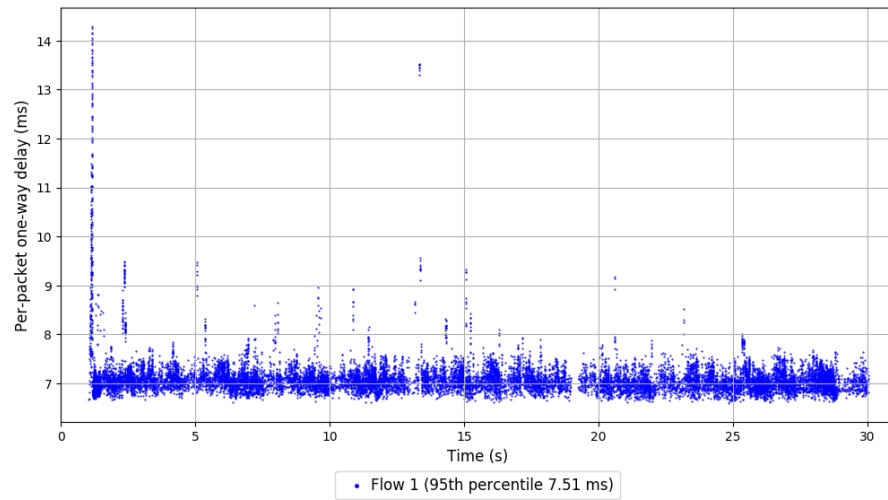
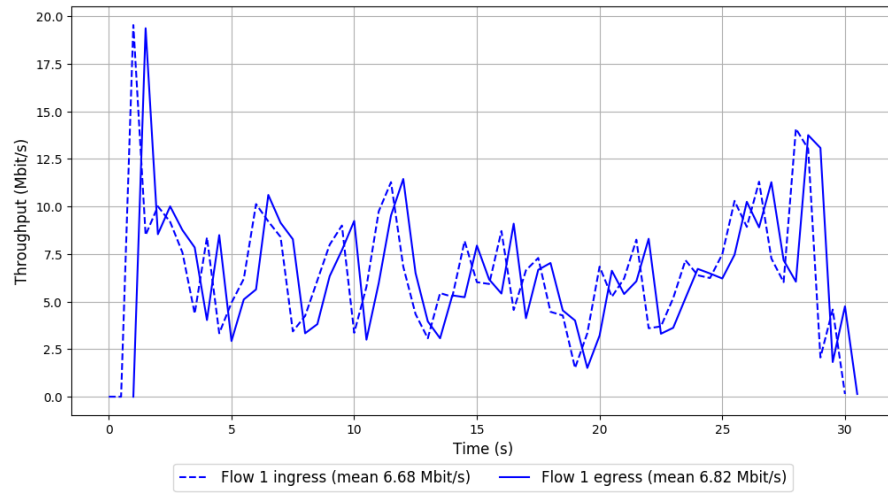


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 02:22:10
End at: 2018-08-01 02:22:40
Local clock offset: 2.997 ms
Remote clock offset: -11.34 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 7.515 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 7.515 ms
Loss rate: 1.28%

Run 8: Report of TCP Vegas — Data Link

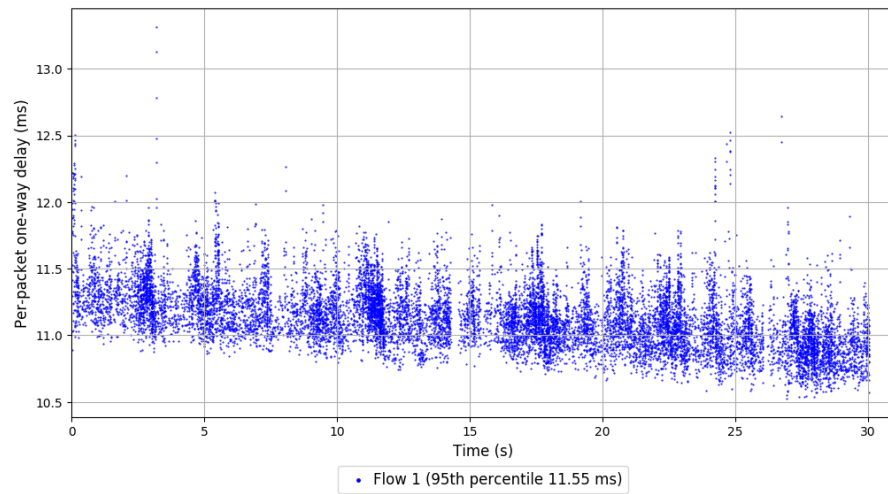
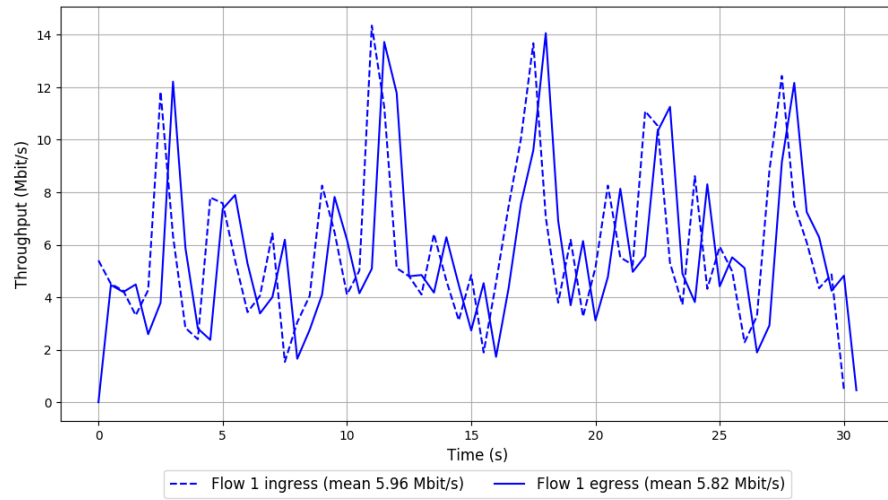


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 02:41:12
End at: 2018-08-01 02:41:42
Local clock offset: -1.798 ms
Remote clock offset: -9.476 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 2.27%

Run 9: Report of TCP Vegas — Data Link

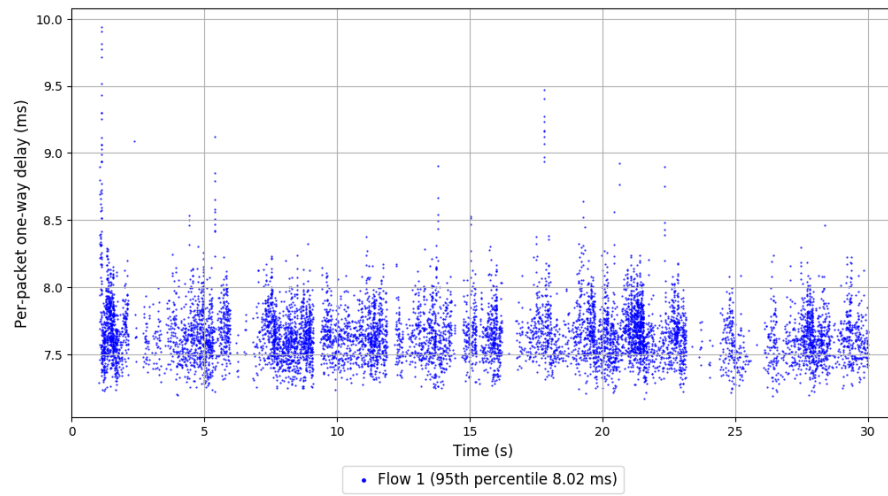
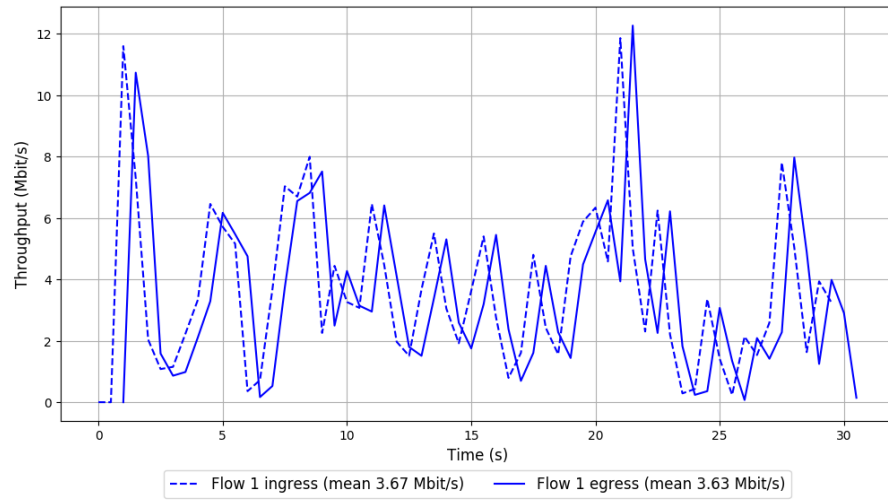


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 03:00:11
End at: 2018-08-01 03:00:41
Local clock offset: 1.642 ms
Remote clock offset: -3.913 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 8.022 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 8.022 ms
Loss rate: 4.38%

Run 10: Report of TCP Vegas — Data Link

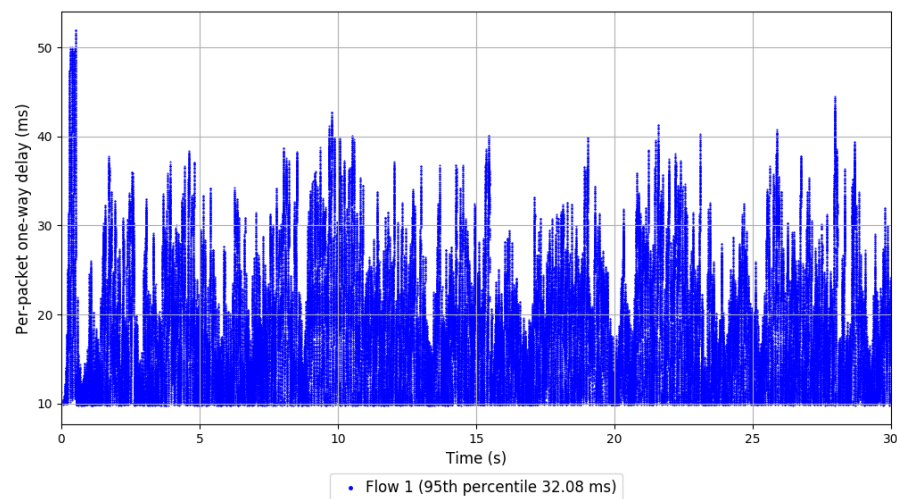
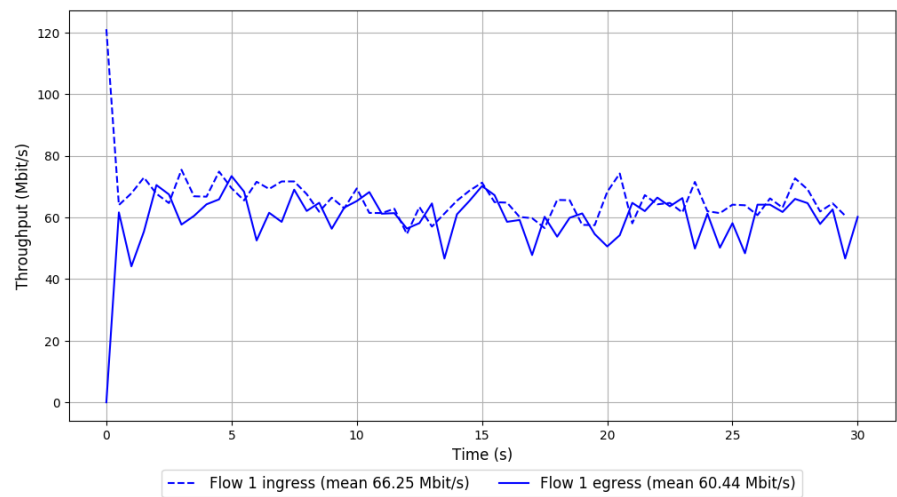


Run 1: Statistics of Verus

Start at: 2018-08-01 00:19:44
End at: 2018-08-01 00:20:14
Local clock offset: 2.266 ms
Remote clock offset: -6.813 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 32.083 ms
Loss rate: 8.76%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 32.083 ms
Loss rate: 8.76%

Run 1: Report of Verus — Data Link

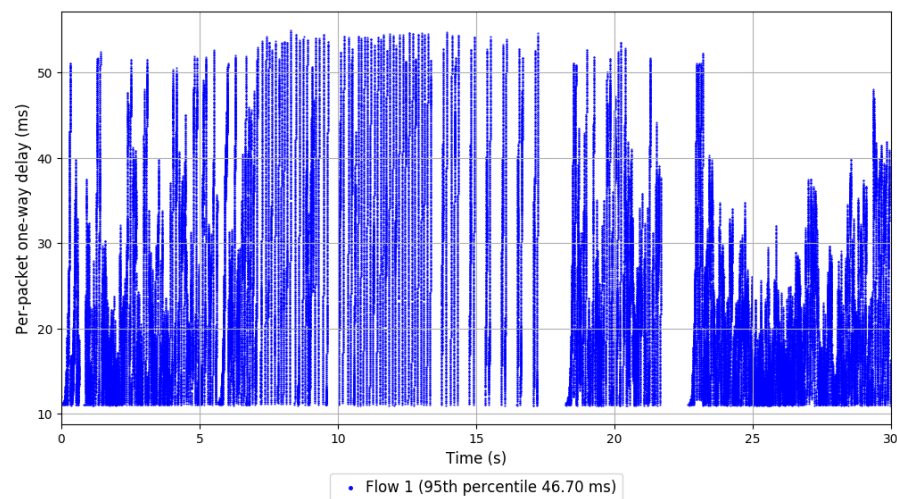
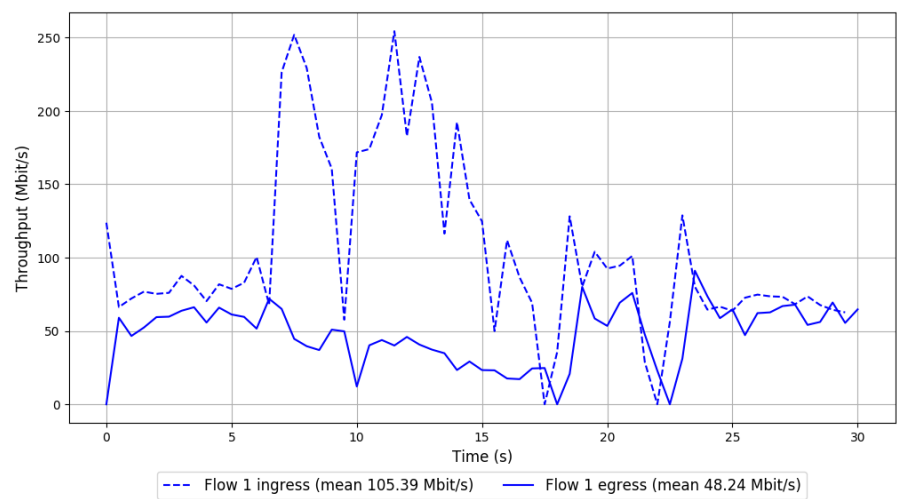


Run 2: Statistics of Verus

Start at: 2018-08-01 00:38:54
End at: 2018-08-01 00:39:24
Local clock offset: 1.291 ms
Remote clock offset: -4.777 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 46.702 ms
Loss rate: 54.22%
-- Flow 1:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 46.702 ms
Loss rate: 54.22%

Run 2: Report of Verus — Data Link

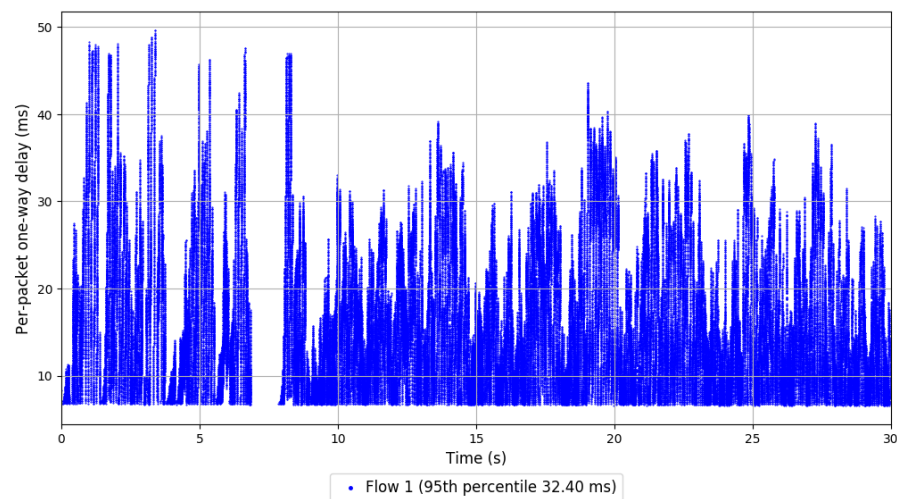
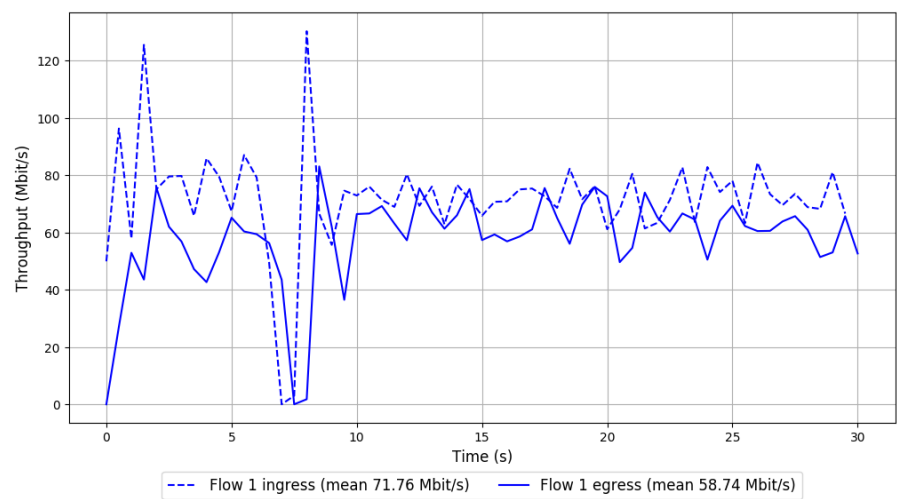


Run 3: Statistics of Verus

Start at: 2018-08-01 00:58:16
End at: 2018-08-01 00:58:46
Local clock offset: 3.52 ms
Remote clock offset: -4.878 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 32.397 ms
Loss rate: 18.13%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 32.397 ms
Loss rate: 18.13%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-01 01:17:36

End at: 2018-08-01 01:18:06

Local clock offset: 1.74 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-08-01 03:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 38.140 ms

Loss rate: 21.15%

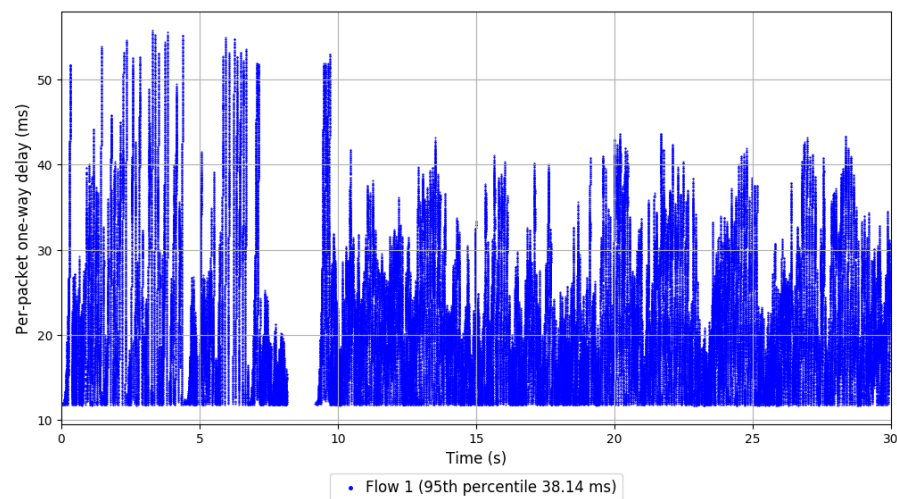
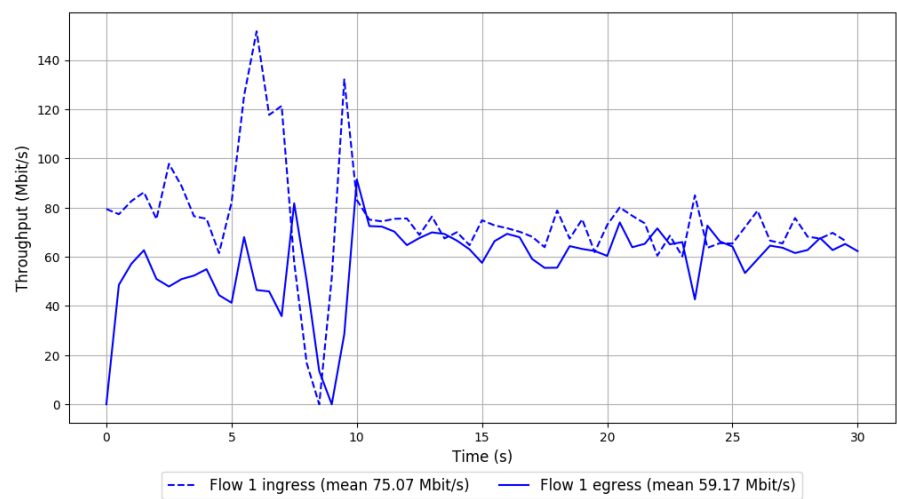
-- Flow 1:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 38.140 ms

Loss rate: 21.15%

Run 4: Report of Verus — Data Link

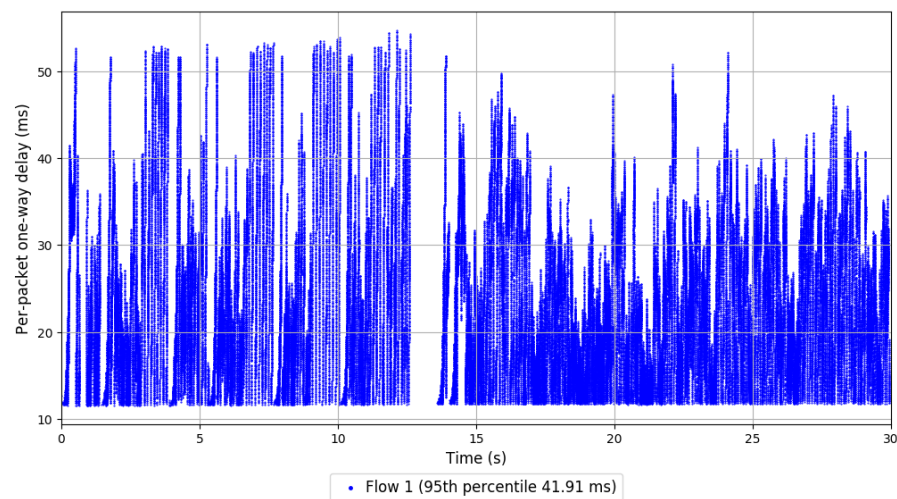
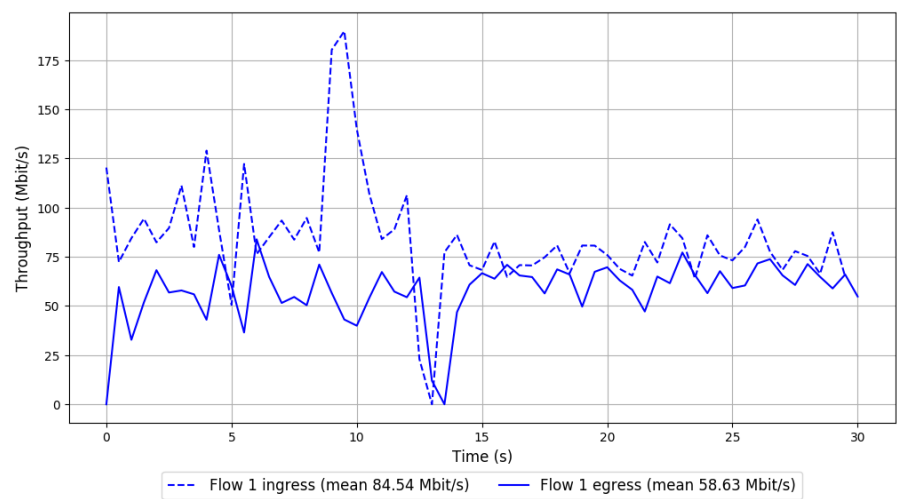


Run 5: Statistics of Verus

Start at: 2018-08-01 01:36:27
End at: 2018-08-01 01:36:57
Local clock offset: -2.442 ms
Remote clock offset: -4.644 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 41.913 ms
Loss rate: 30.64%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 41.913 ms
Loss rate: 30.64%

Run 5: Report of Verus — Data Link

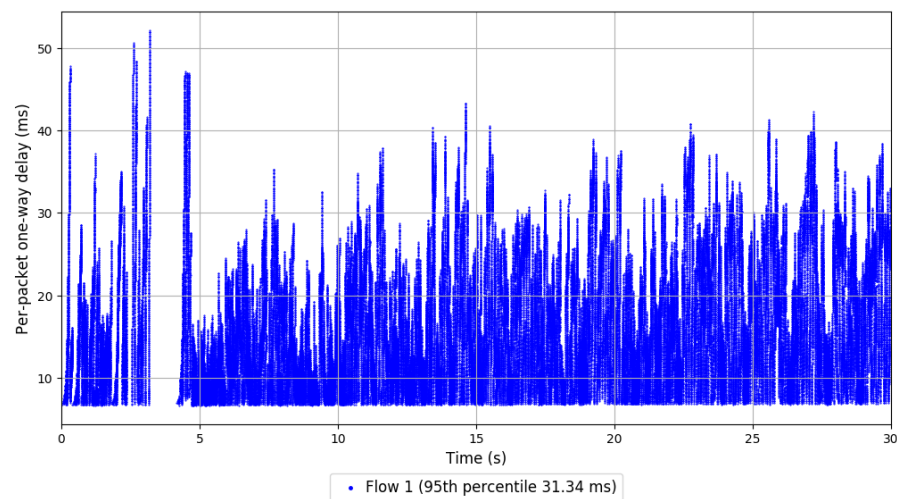
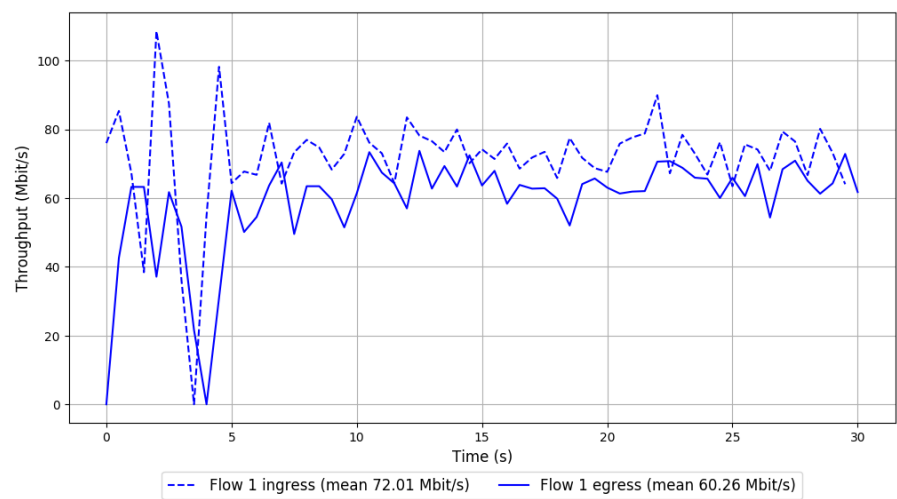


Run 6: Statistics of Verus

Start at: 2018-08-01 01:55:24
End at: 2018-08-01 01:55:54
Local clock offset: 1.056 ms
Remote clock offset: -9.305 ms

Below is generated by plot.py at 2018-08-01 03:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 31.343 ms
Loss rate: 16.26%
-- Flow 1:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 31.343 ms
Loss rate: 16.26%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-01 02:14:21

End at: 2018-08-01 02:14:51

Local clock offset: 1.144 ms

Remote clock offset: -9.3 ms

Below is generated by plot.py at 2018-08-01 03:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.23 Mbit/s

95th percentile per-packet one-way delay: 43.761 ms

Loss rate: 40.46%

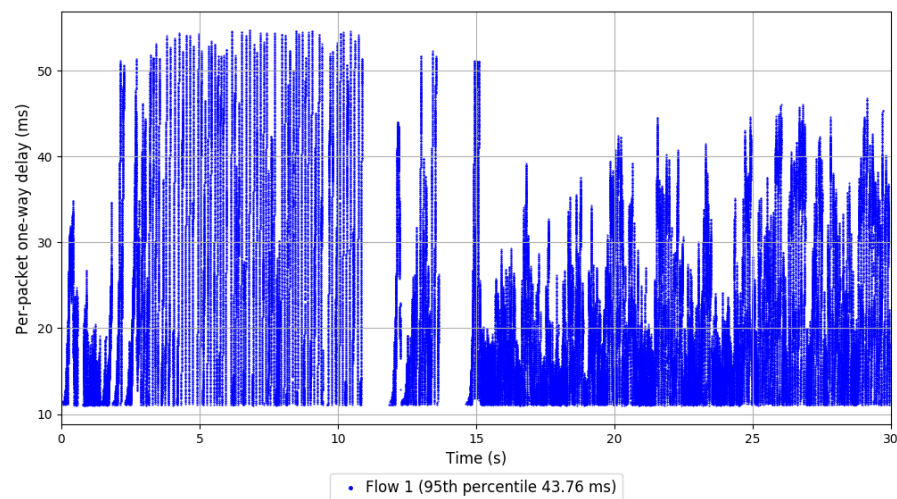
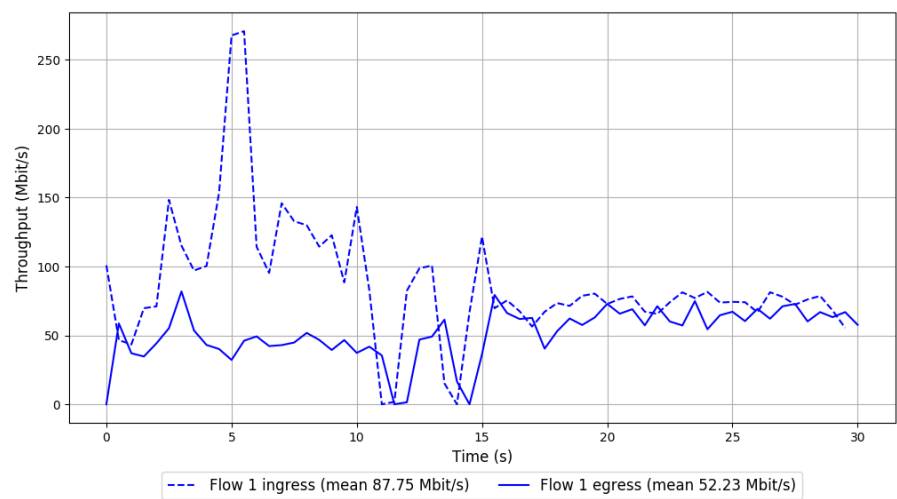
-- Flow 1:

Average throughput: 52.23 Mbit/s

95th percentile per-packet one-way delay: 43.761 ms

Loss rate: 40.46%

Run 7: Report of Verus — Data Link

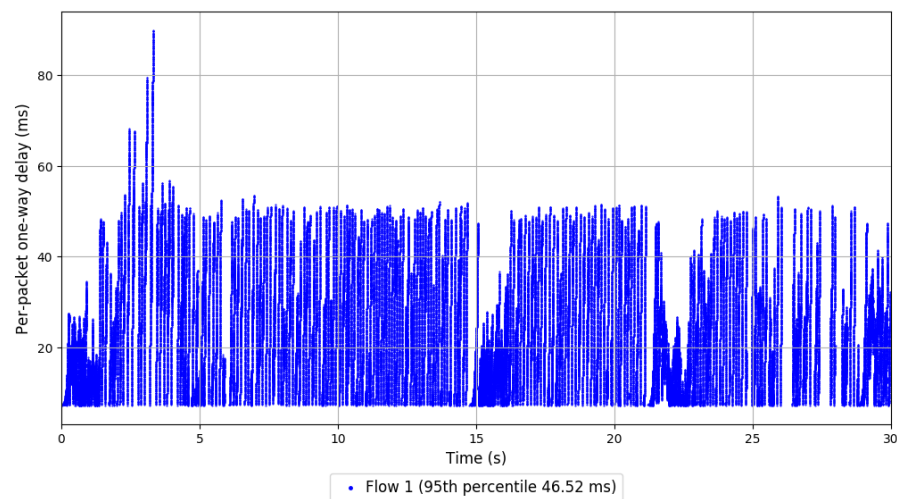
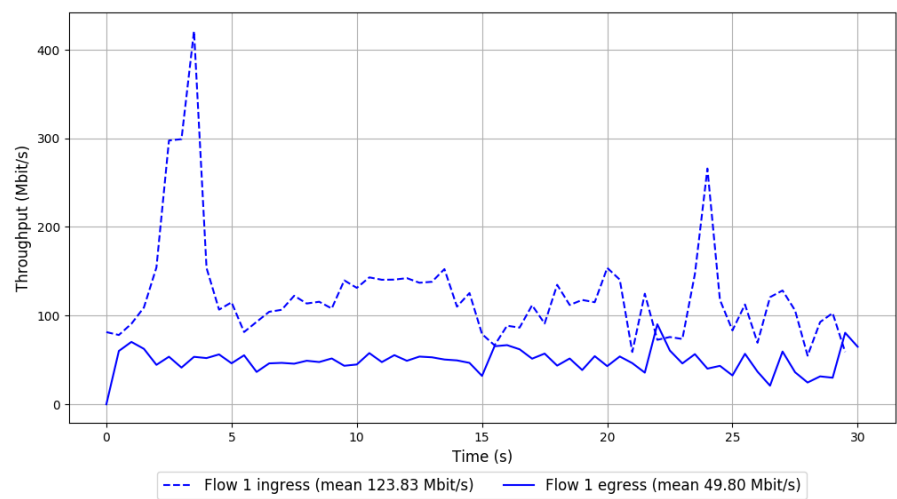


Run 8: Statistics of Verus

Start at: 2018-08-01 02:33:17
End at: 2018-08-01 02:33:47
Local clock offset: 1.167 ms
Remote clock offset: -11.869 ms

Below is generated by plot.py at 2018-08-01 03:28:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 59.75%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 59.75%

Run 8: Report of Verus — Data Link

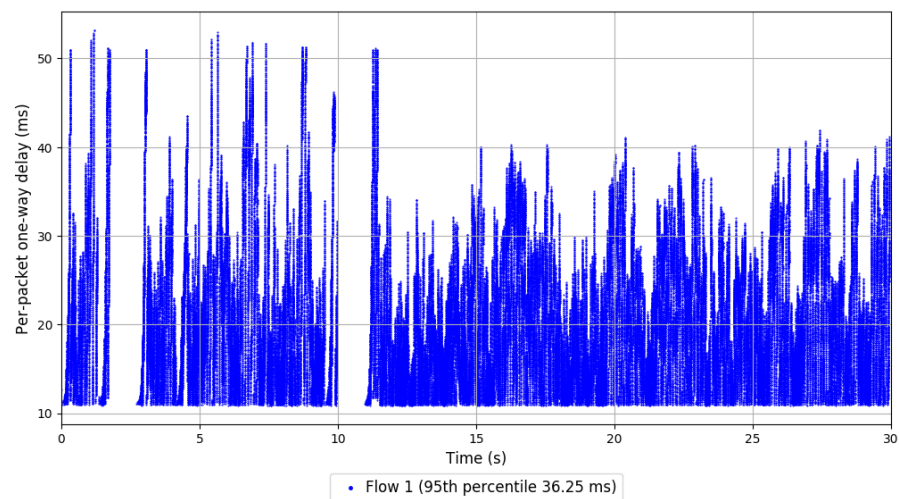
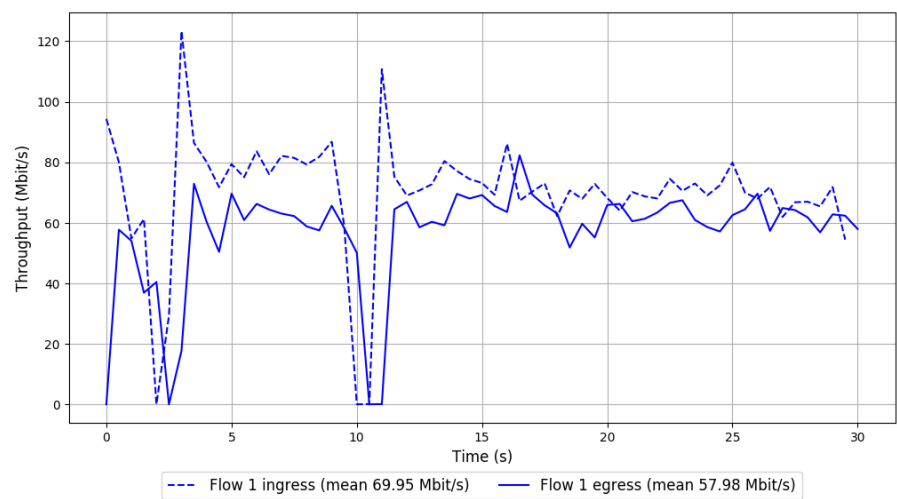


Run 9: Statistics of Verus

Start at: 2018-08-01 02:52:27
End at: 2018-08-01 02:52:57
Local clock offset: -0.485 ms
Remote clock offset: -3.919 ms

Below is generated by plot.py at 2018-08-01 03:28:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 36.249 ms
Loss rate: 17.03%
-- Flow 1:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 36.249 ms
Loss rate: 17.03%

Run 9: Report of Verus — Data Link

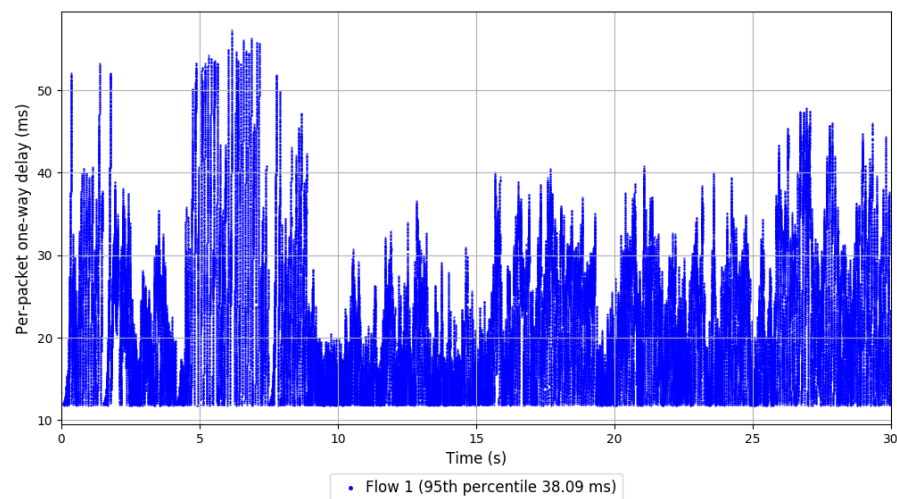
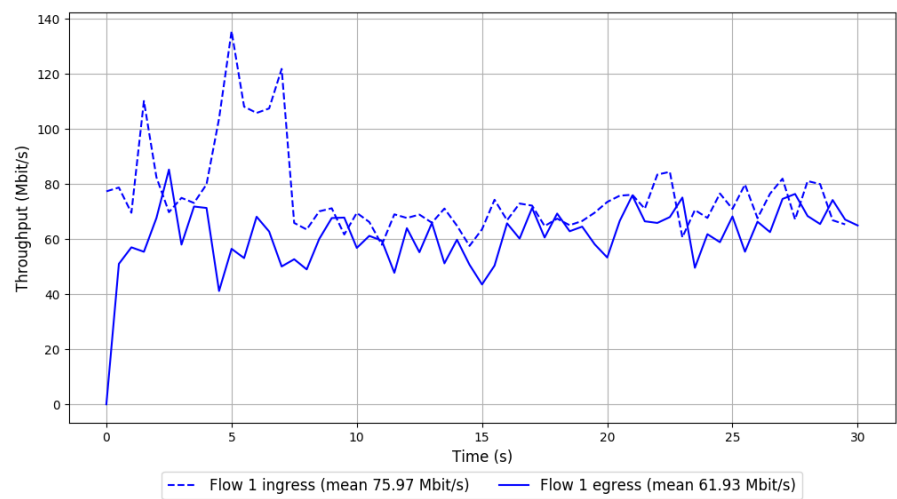


Run 10: Statistics of Verus

Start at: 2018-08-01 03:11:28
End at: 2018-08-01 03:11:58
Local clock offset: 0.053 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-08-01 03:28:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 38.090 ms
Loss rate: 18.46%
-- Flow 1:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 38.090 ms
Loss rate: 18.46%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 00:09:37

End at: 2018-08-01 00:10:07

Local clock offset: 2.019 ms

Remote clock offset: -6.265 ms

Below is generated by plot.py at 2018-08-01 03:28:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 11.672 ms

Loss rate: 6.38%

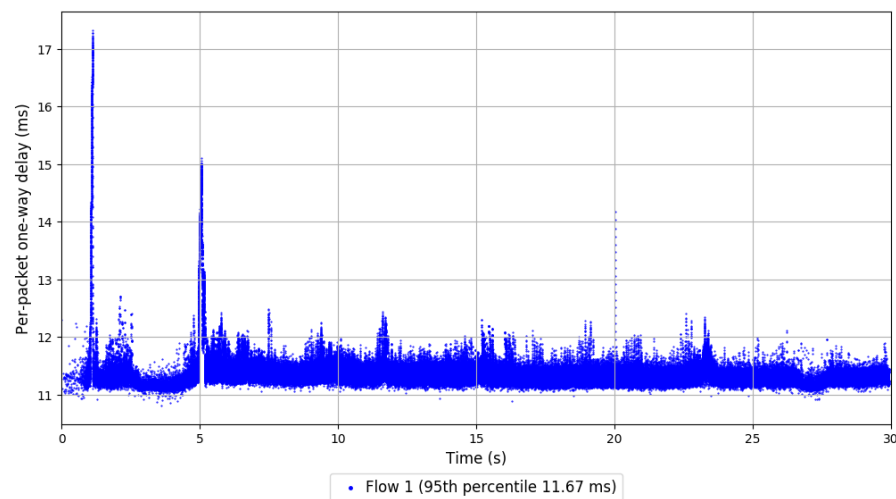
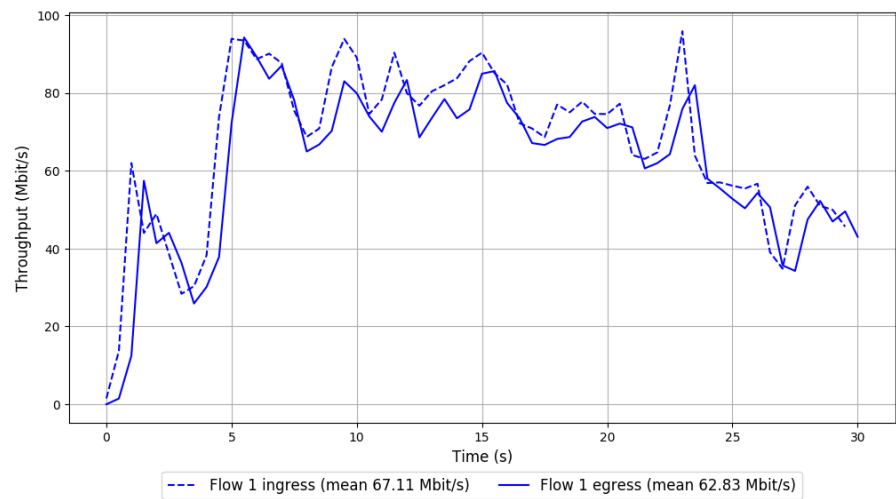
-- Flow 1:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 11.672 ms

Loss rate: 6.38%

Run 1: Report of PCC-Vivace — Data Link

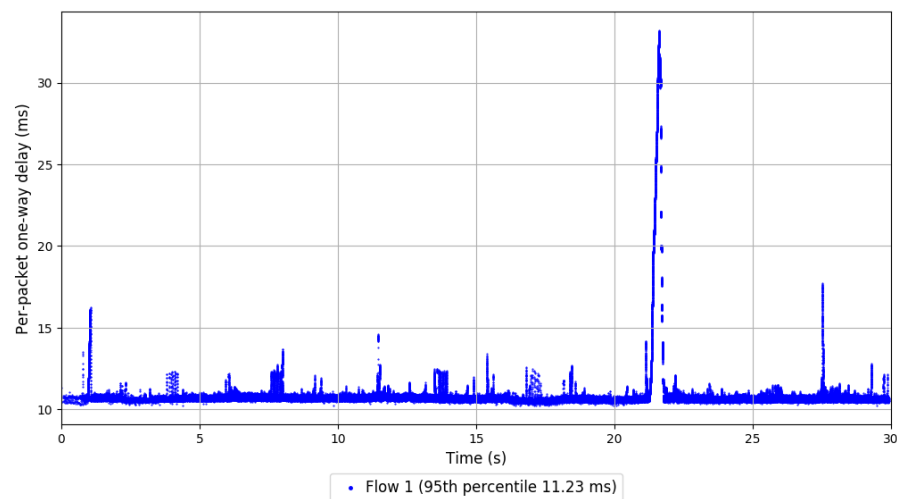
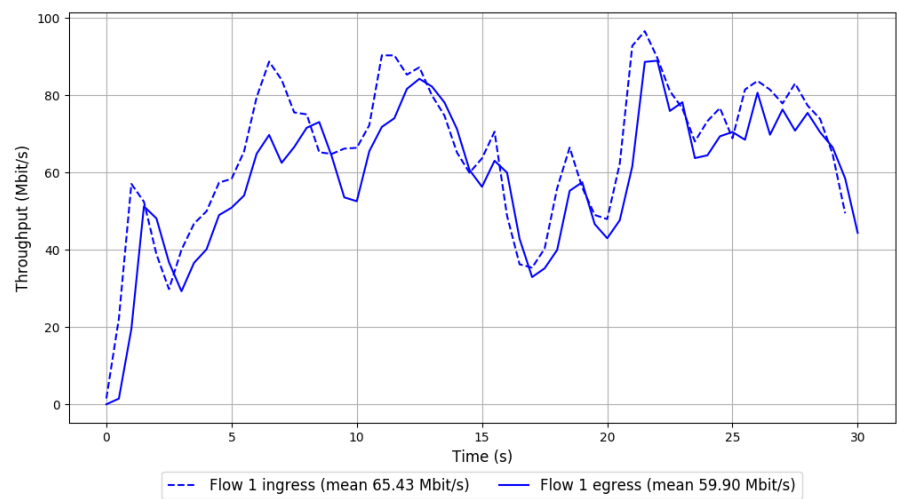


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 00:28:36
End at: 2018-08-01 00:29:06
Local clock offset: 1.912 ms
Remote clock offset: -4.779 ms

Below is generated by plot.py at 2018-08-01 03:28:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 11.235 ms
Loss rate: 8.46%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 11.235 ms
Loss rate: 8.46%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 00:47:53

End at: 2018-08-01 00:48:23

Local clock offset: 3.449 ms

Remote clock offset: -5.964 ms

Below is generated by plot.py at 2018-08-01 03:29:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 6.847 ms

Loss rate: 7.68%

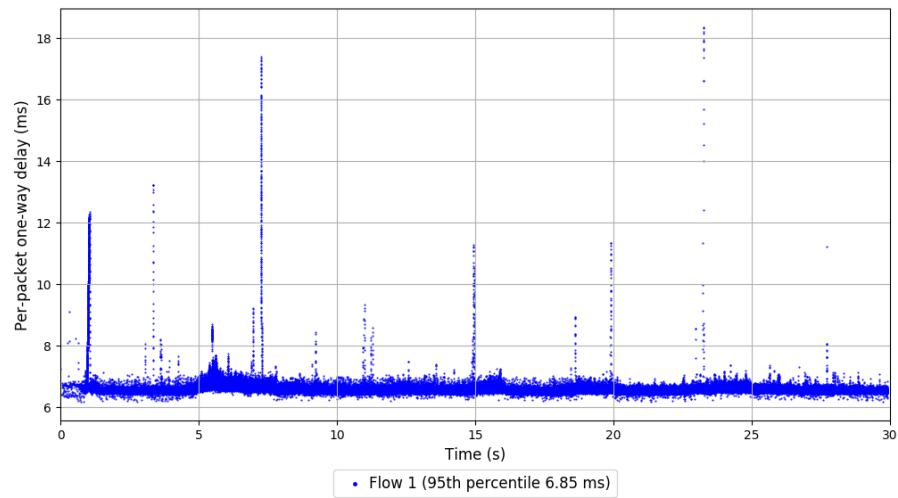
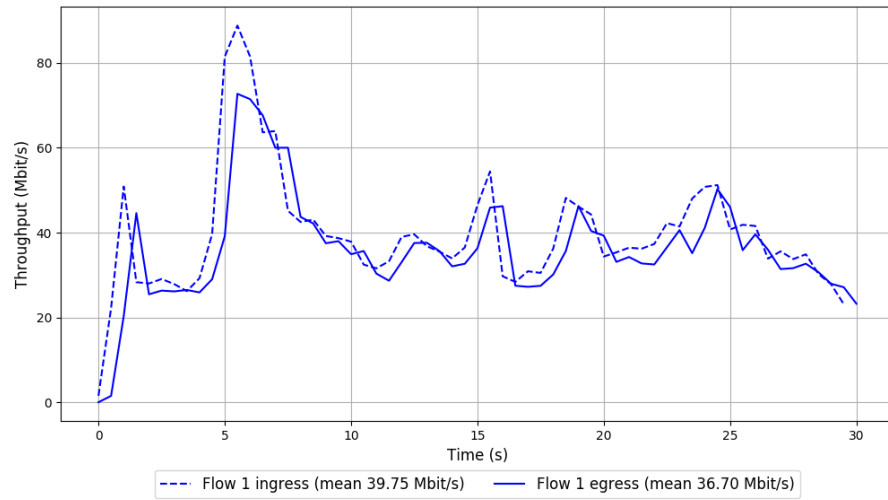
-- Flow 1:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 6.847 ms

Loss rate: 7.68%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 01:07:29

End at: 2018-08-01 01:07:59

Local clock offset: 2.934 ms

Remote clock offset: -2.6 ms

Below is generated by plot.py at 2018-08-01 03:29:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 7.954 ms

Loss rate: 6.42%

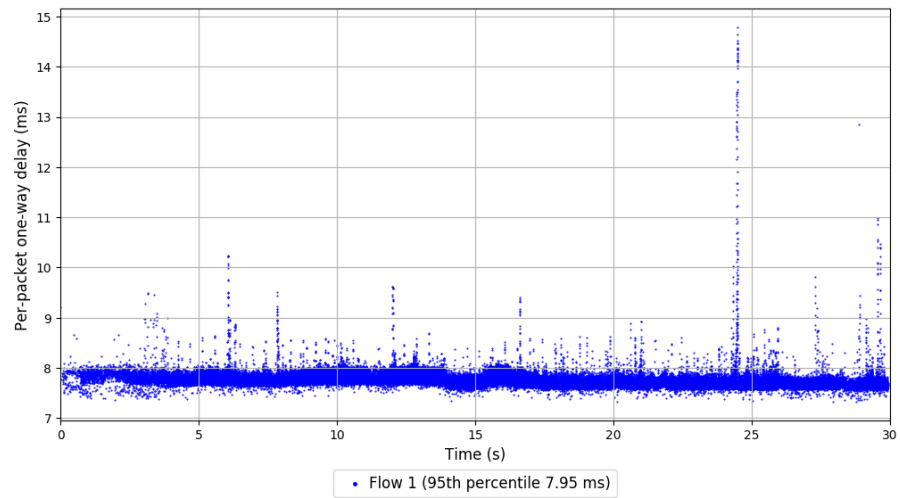
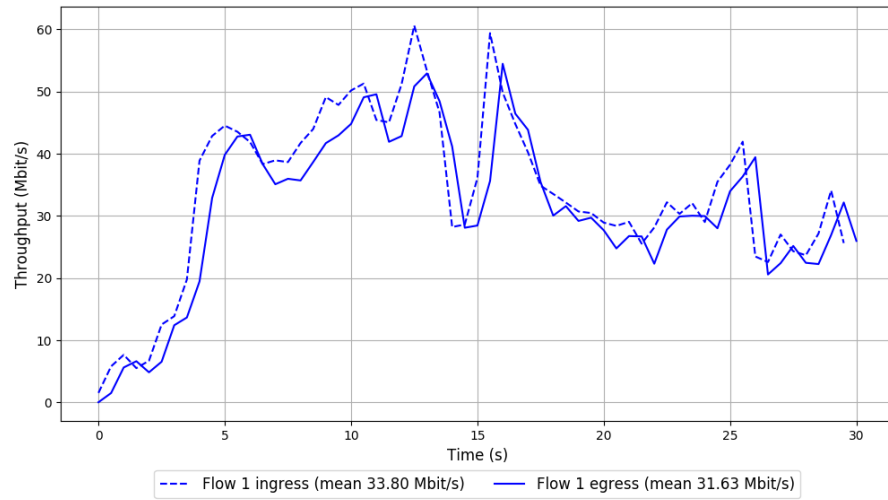
-- Flow 1:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 7.954 ms

Loss rate: 6.42%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 01:26:25

End at: 2018-08-01 01:26:55

Local clock offset: 0.311 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2018-08-01 03:29:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 12.407 ms

Loss rate: 5.74%

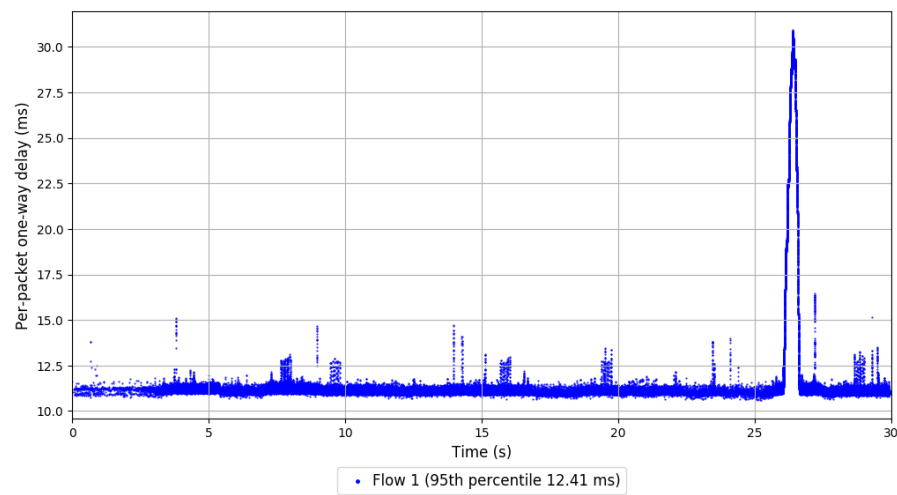
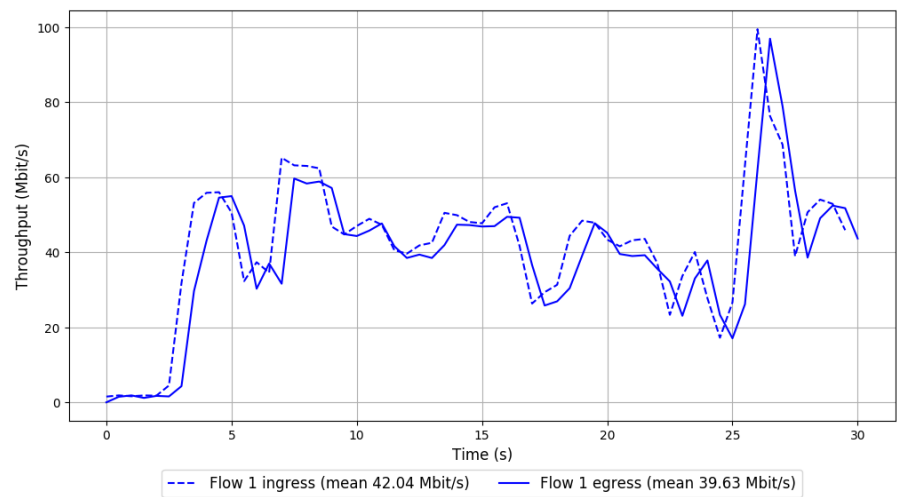
-- Flow 1:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 12.407 ms

Loss rate: 5.74%

Run 5: Report of PCC-Vivace — Data Link

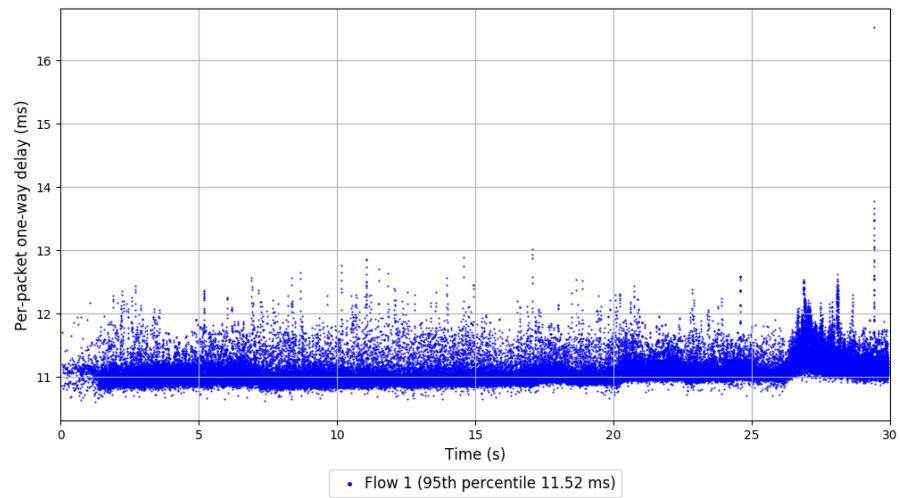
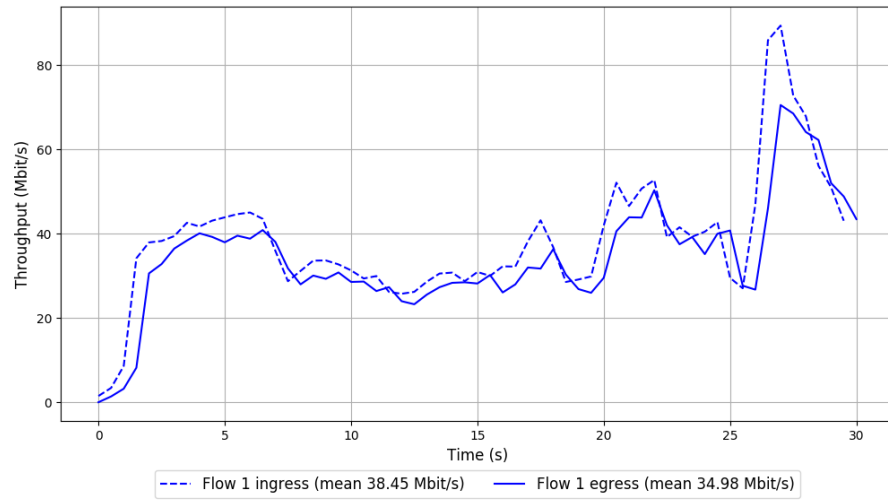


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 01:45:18
End at: 2018-08-01 01:45:48
Local clock offset: 0.433 ms
Remote clock offset: -4.824 ms

Below is generated by plot.py at 2018-08-01 03:29:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 11.520 ms
Loss rate: 9.02%
-- Flow 1:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 11.520 ms
Loss rate: 9.02%

Run 6: Report of PCC-Vivace — Data Link

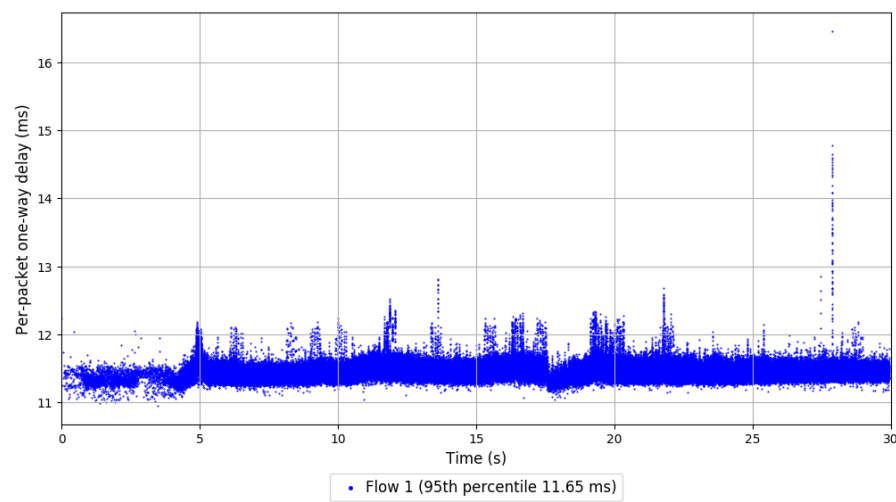
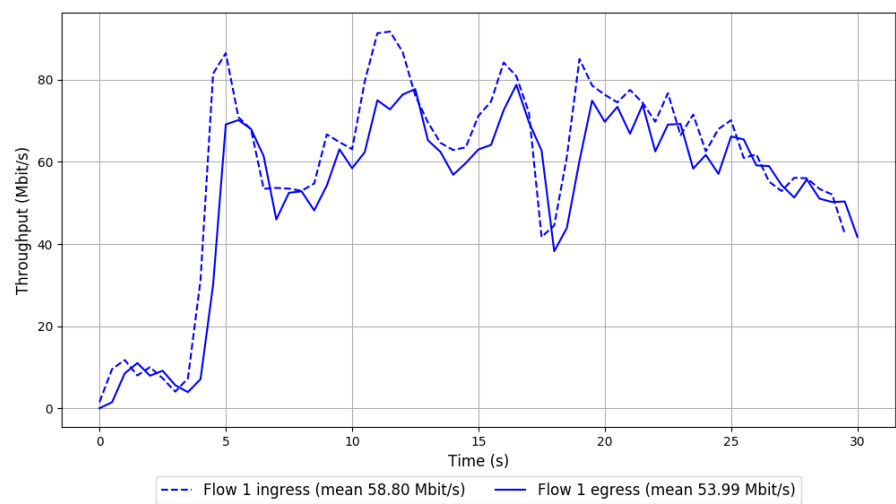


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 02:04:12
End at: 2018-08-01 02:04:42
Local clock offset: -1.275 ms
Remote clock offset: -10.329 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 11.648 ms
Loss rate: 8.18%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 11.648 ms
Loss rate: 8.18%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 02:23:14

End at: 2018-08-01 02:23:44

Local clock offset: 1.658 ms

Remote clock offset: -9.217 ms

Below is generated by plot.py at 2018-08-01 03:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.18 Mbit/s

95th percentile per-packet one-way delay: 11.562 ms

Loss rate: 7.29%

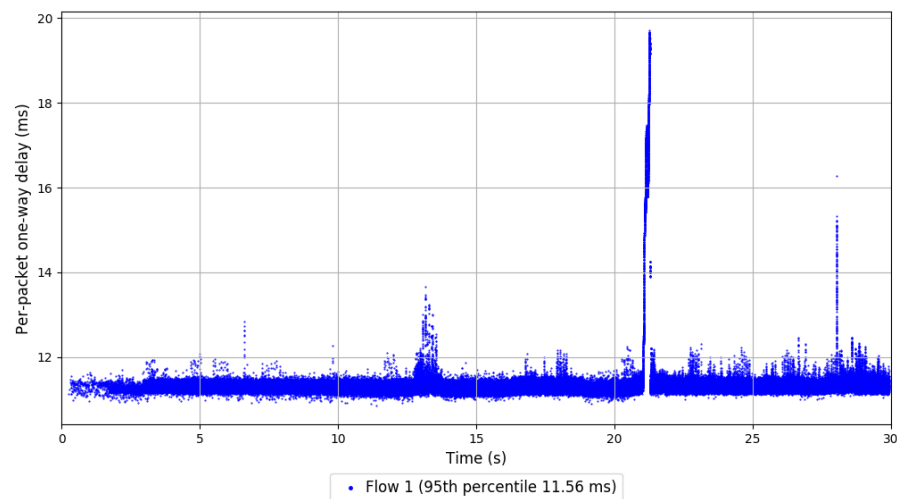
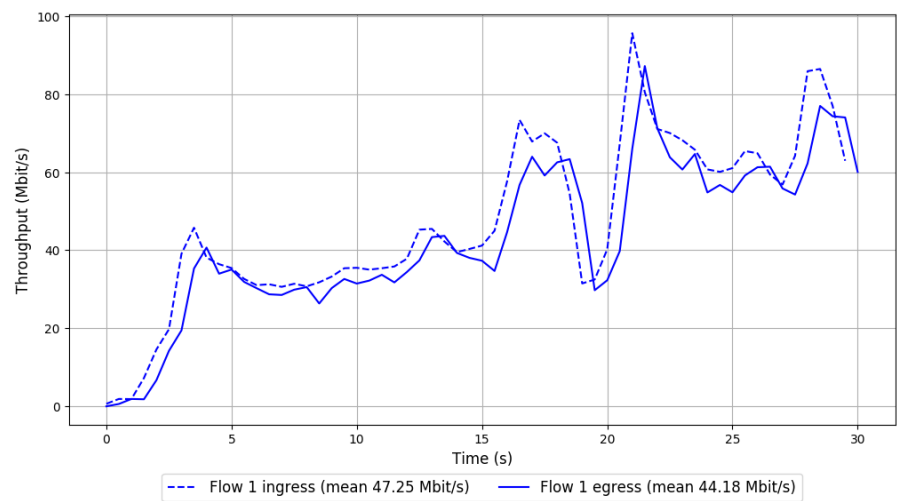
-- Flow 1:

Average throughput: 44.18 Mbit/s

95th percentile per-packet one-way delay: 11.562 ms

Loss rate: 7.29%

Run 8: Report of PCC-Vivace — Data Link

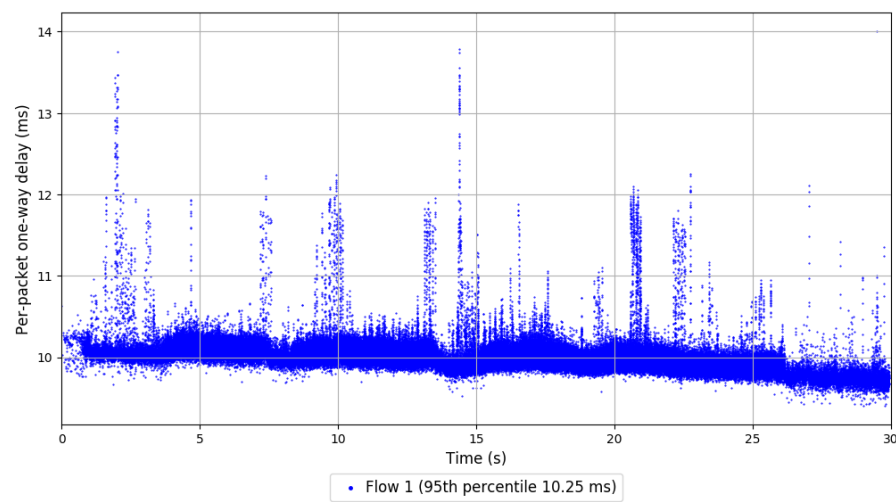
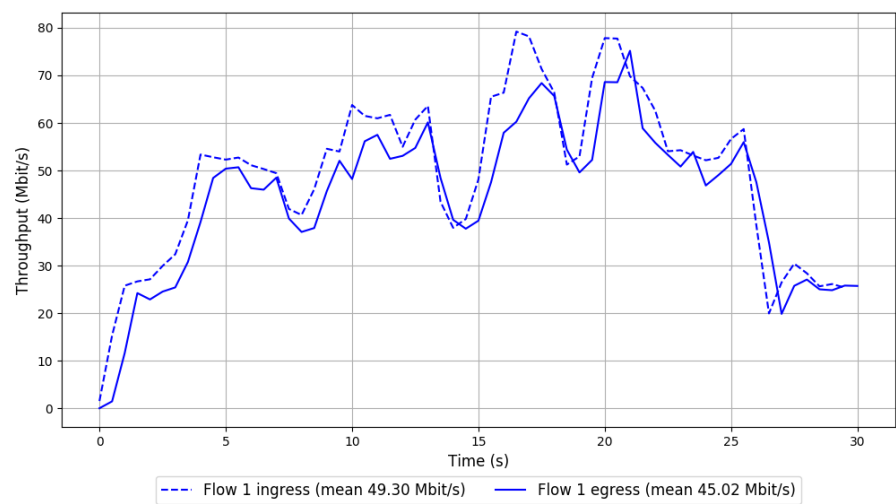


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 02:42:16
End at: 2018-08-01 02:42:46
Local clock offset: 0.682 ms
Remote clock offset: -7.116 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 10.247 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 10.247 ms
Loss rate: 8.67%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 03:01:15

End at: 2018-08-01 03:01:45

Local clock offset: 0.603 ms

Remote clock offset: -1.718 ms

Below is generated by plot.py at 2018-08-01 03:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 10.756 ms

Loss rate: 9.77%

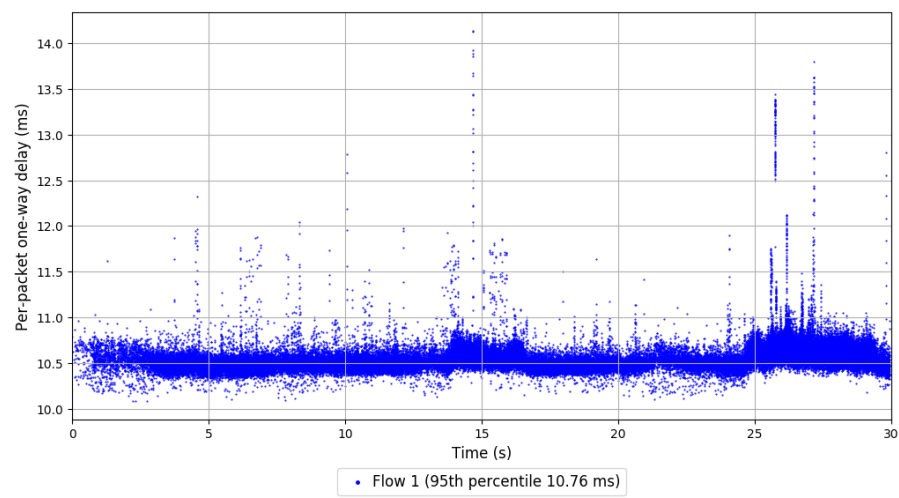
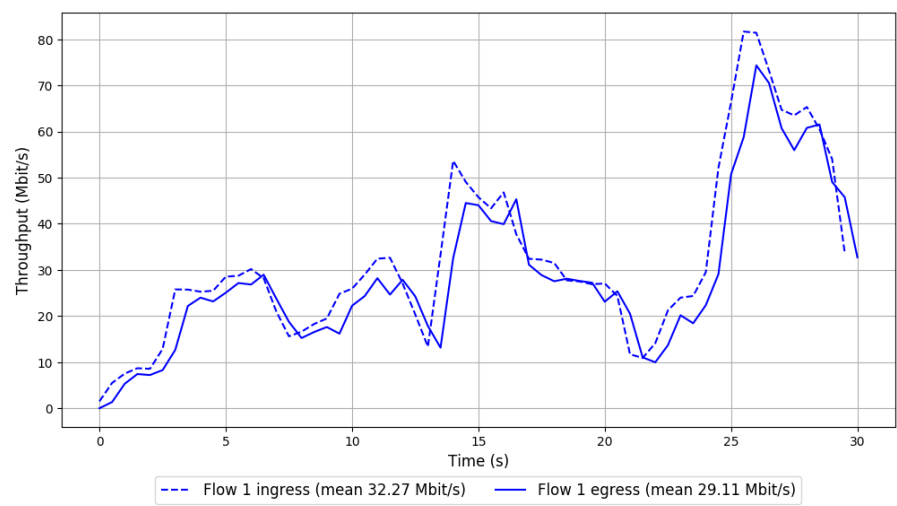
-- Flow 1:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 10.756 ms

Loss rate: 9.77%

Run 10: Report of PCC-Vivace — Data Link

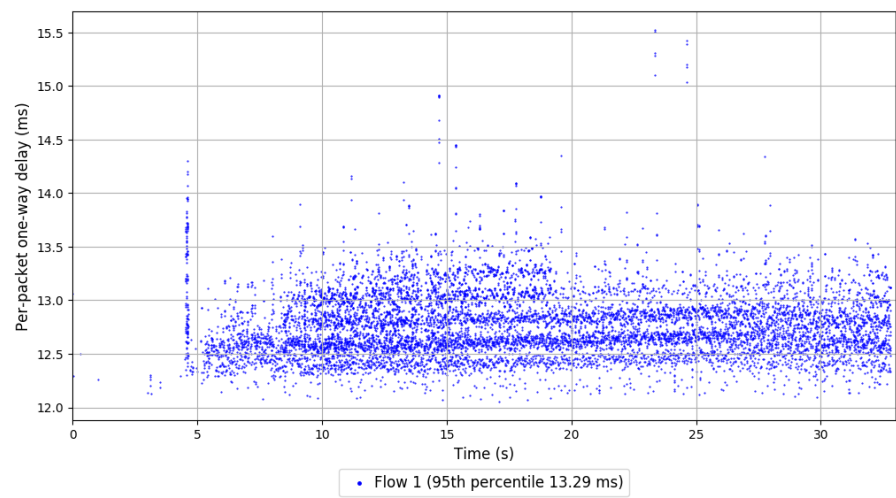
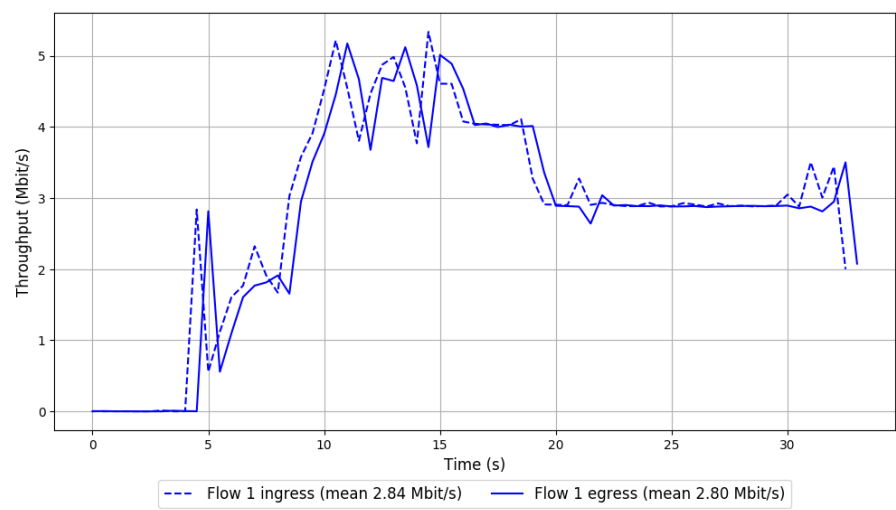


Run 1: Statistics of WebRTC media

Start at: 2018-08-01 00:05:13
End at: 2018-08-01 00:05:43
Local clock offset: -0.259 ms
Remote clock offset: -6.024 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 13.285 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 13.285 ms
Loss rate: 1.35%

Run 1: Report of WebRTC media — Data Link

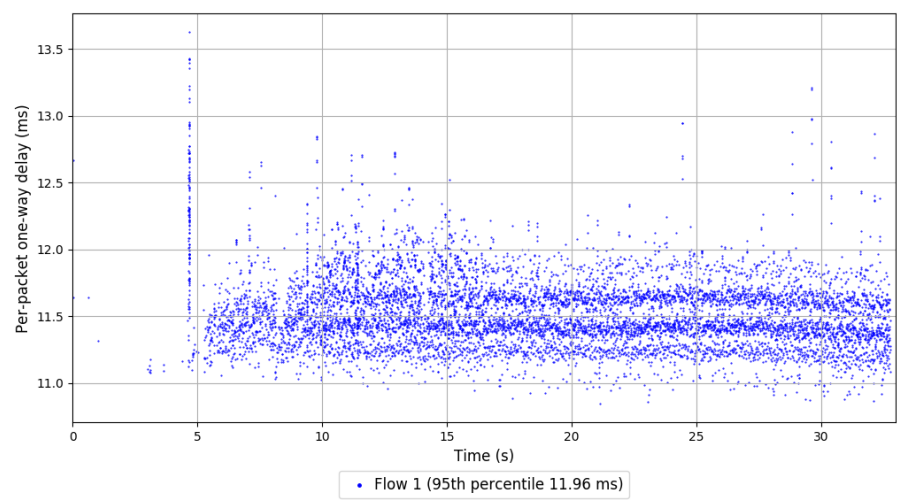
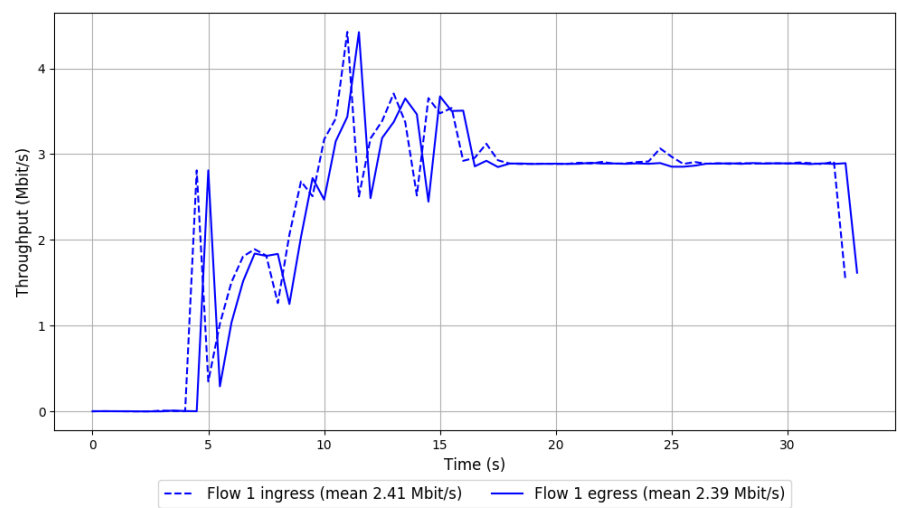


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 00:24:10
End at: 2018-08-01 00:24:40
Local clock offset: 0.718 ms
Remote clock offset: -6.474 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 11.963 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 11.963 ms
Loss rate: 0.58%

Run 2: Report of WebRTC media — Data Link

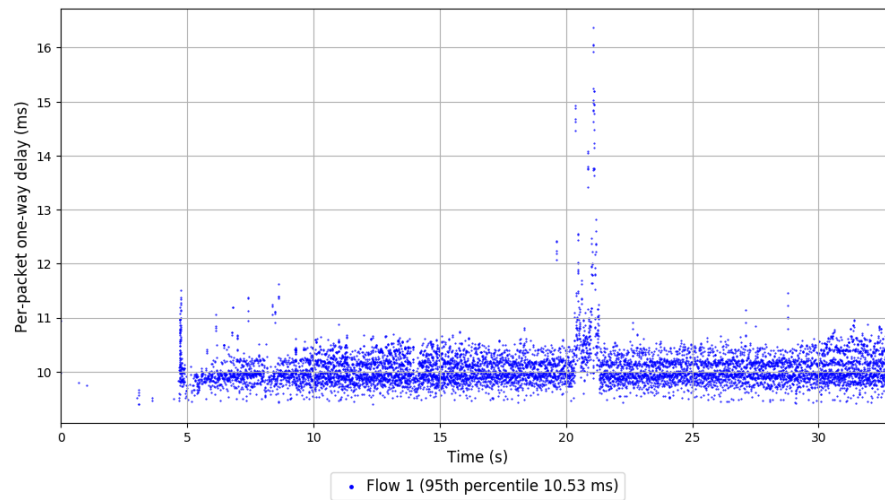
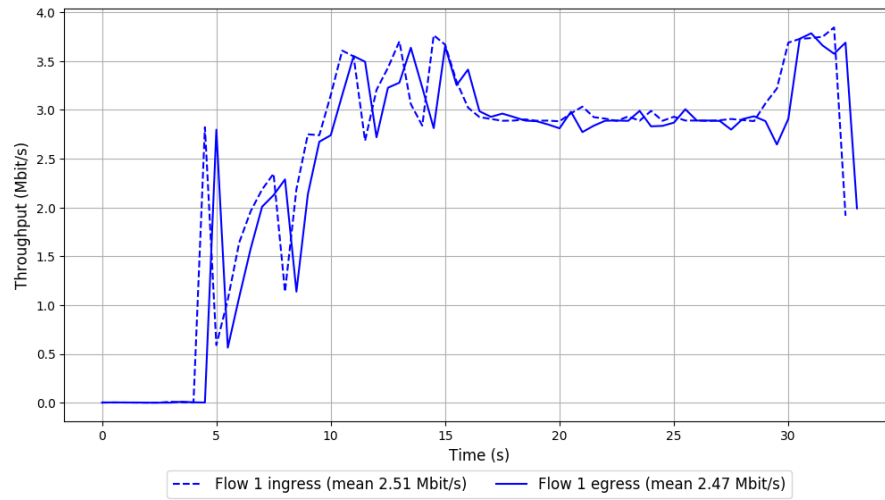


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 00:43:19
End at: 2018-08-01 00:43:49
Local clock offset: 0.028 ms
Remote clock offset: -6.102 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 10.532 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 10.532 ms
Loss rate: 1.43%

Run 3: Report of WebRTC media — Data Link

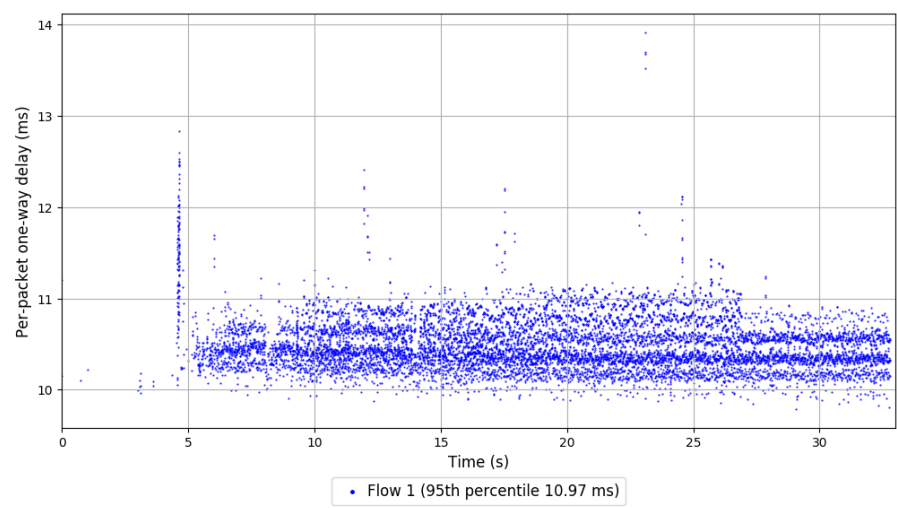
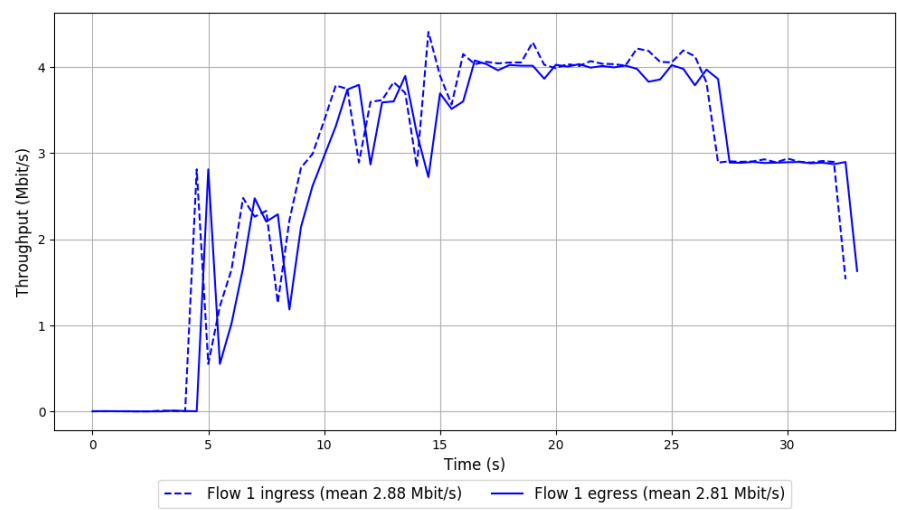


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 01:02:40
End at: 2018-08-01 01:03:10
Local clock offset: -0.123 ms
Remote clock offset: -3.887 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 10.969 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 10.969 ms
Loss rate: 2.45%

Run 4: Report of WebRTC media — Data Link

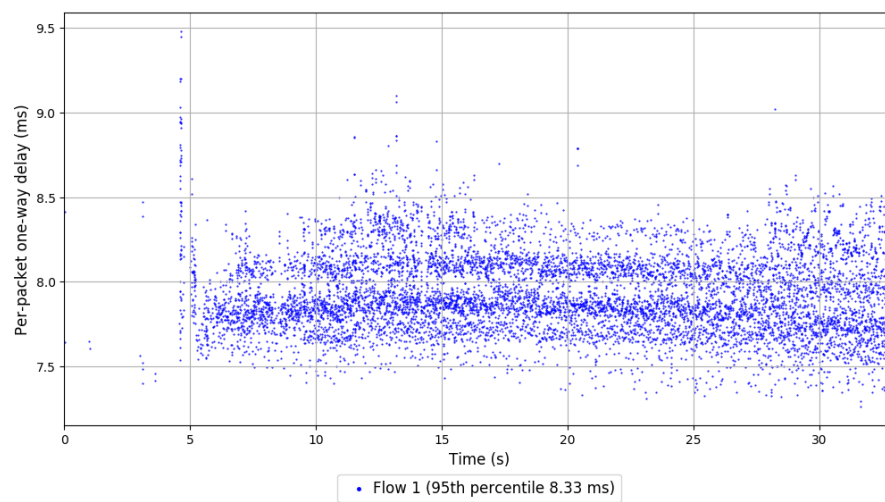
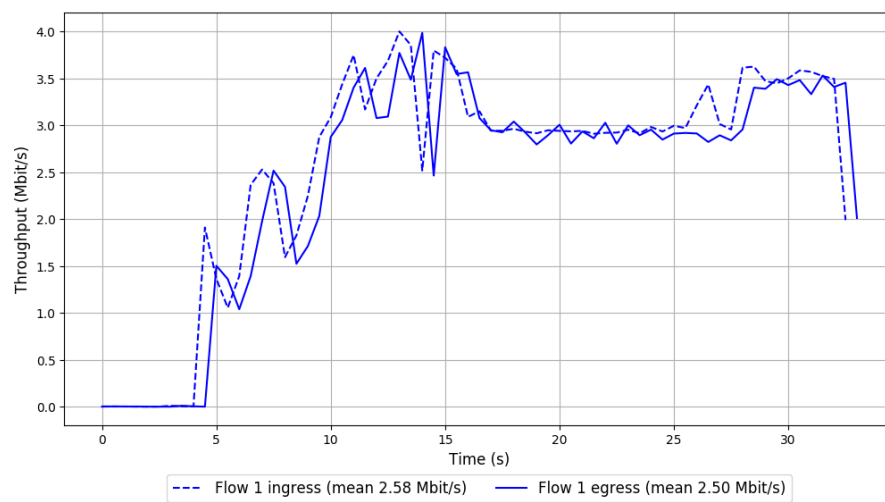


Run 5: Statistics of WebRTC media

Start at: 2018-08-01 01:22:01
End at: 2018-08-01 01:22:31
Local clock offset: 3.618 ms
Remote clock offset: -2.029 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 8.334 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 8.334 ms
Loss rate: 3.08%

Run 5: Report of WebRTC media — Data Link

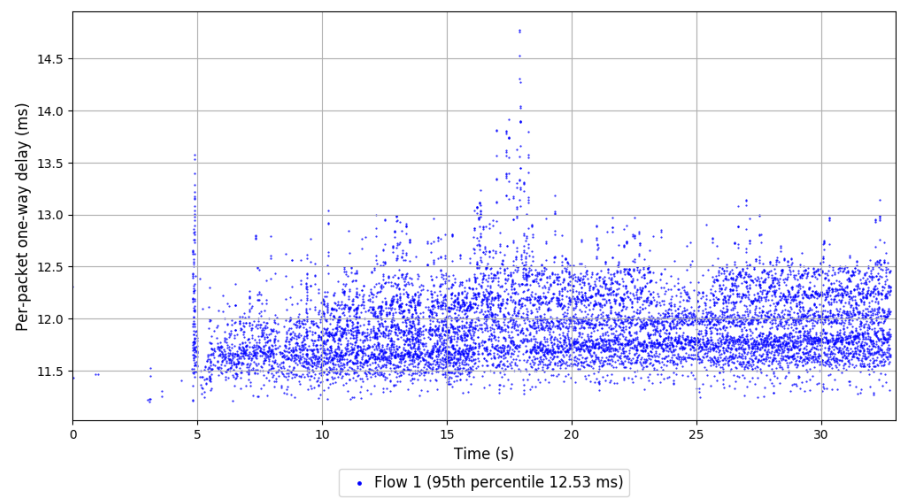
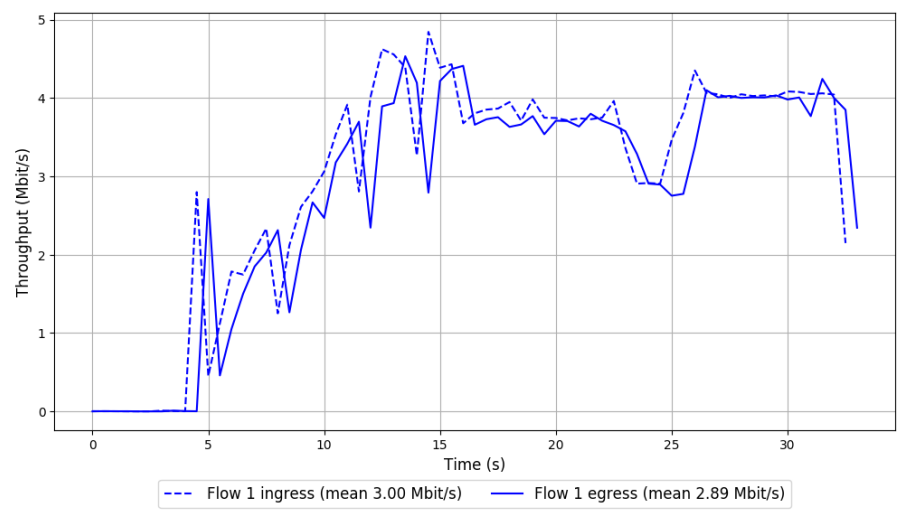


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 01:40:53
End at: 2018-08-01 01:41:23
Local clock offset: 0.001 ms
Remote clock offset: -3.786 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 12.526 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 12.526 ms
Loss rate: 3.71%

Run 6: Report of WebRTC media — Data Link

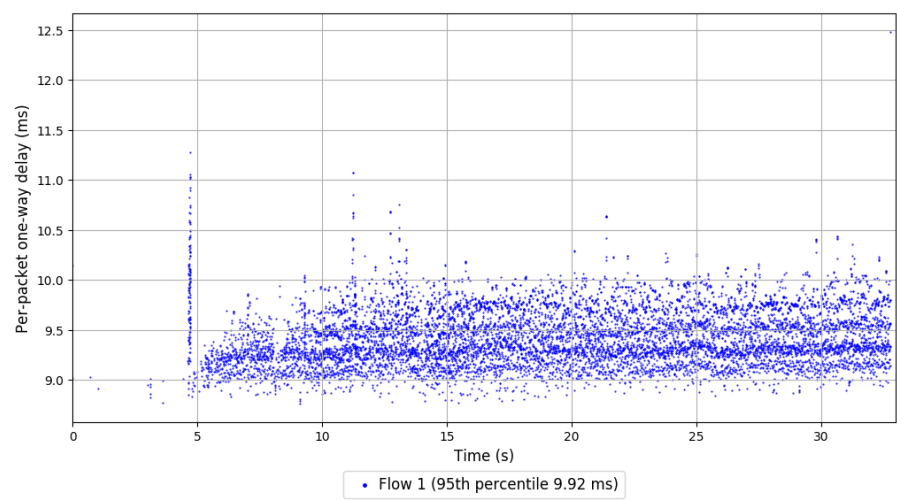
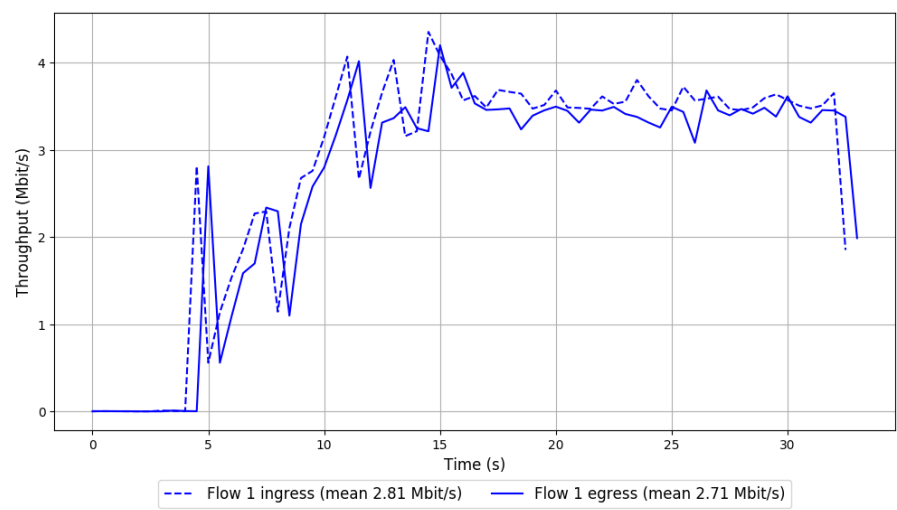


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 01:59:49
End at: 2018-08-01 02:00:19
Local clock offset: 1.447 ms
Remote clock offset: -9.033 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 9.924 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 9.924 ms
Loss rate: 3.31%

Run 7: Report of WebRTC media — Data Link

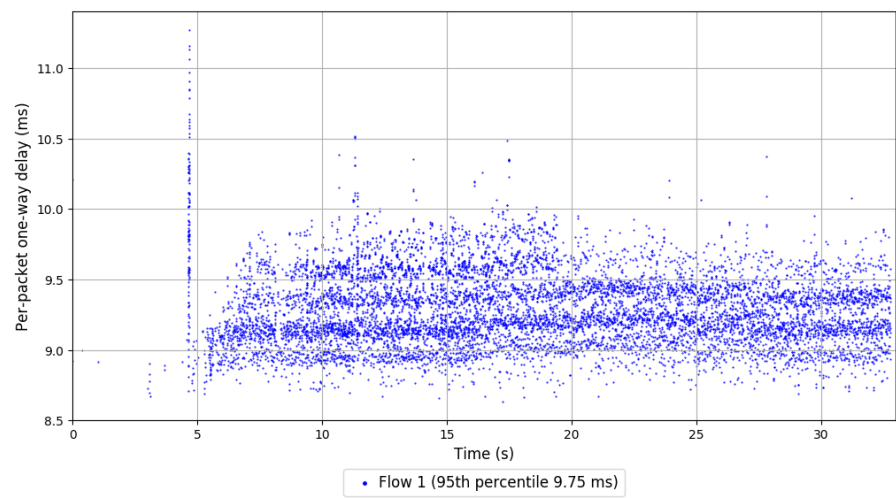
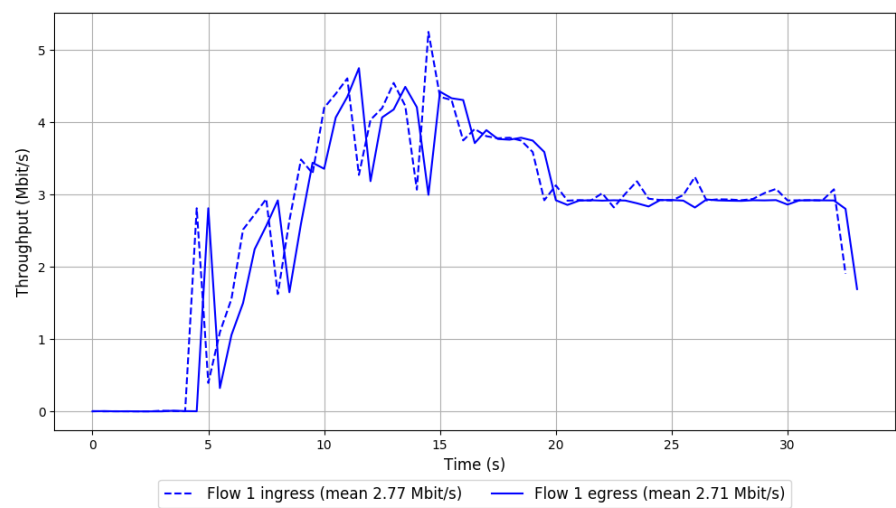


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 02:18:45
End at: 2018-08-01 02:19:15
Local clock offset: 2.8 ms
Remote clock offset: -10.18 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 9.754 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 9.754 ms
Loss rate: 2.17%

Run 8: Report of WebRTC media — Data Link

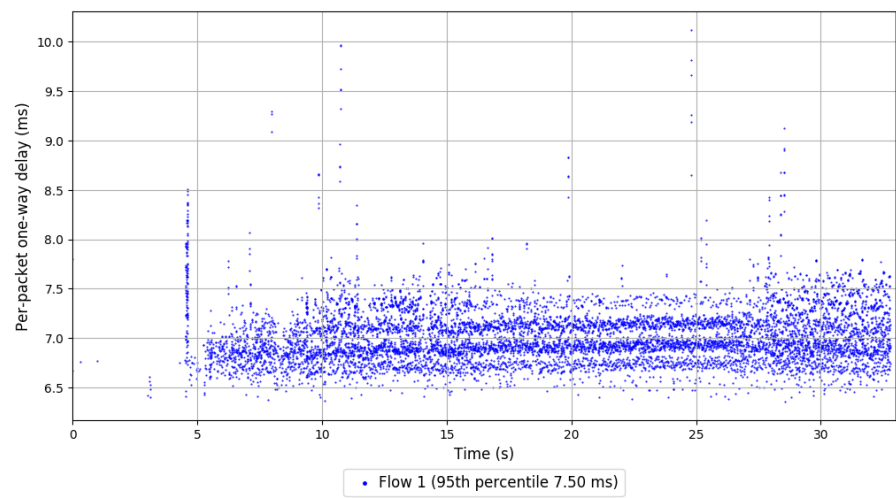
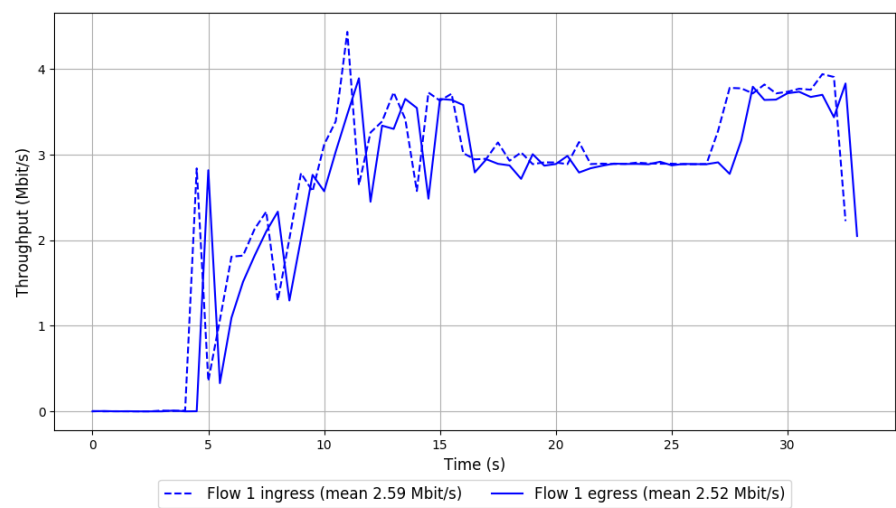


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 02:37:50
End at: 2018-08-01 02:38:20
Local clock offset: 1.961 ms
Remote clock offset: -11.598 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 7.495 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 7.495 ms
Loss rate: 2.81%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 02:56:51
End at: 2018-08-01 02:57:21
Local clock offset: -0.539 ms
Remote clock offset: -2.912 ms

Below is generated by plot.py at 2018-08-01 03:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 12.614 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 12.614 ms
Loss rate: 5.39%

Run 10: Report of WebRTC media — Data Link

