

## Pantheon Report

Generated at 2018-08-21 22:37:16 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

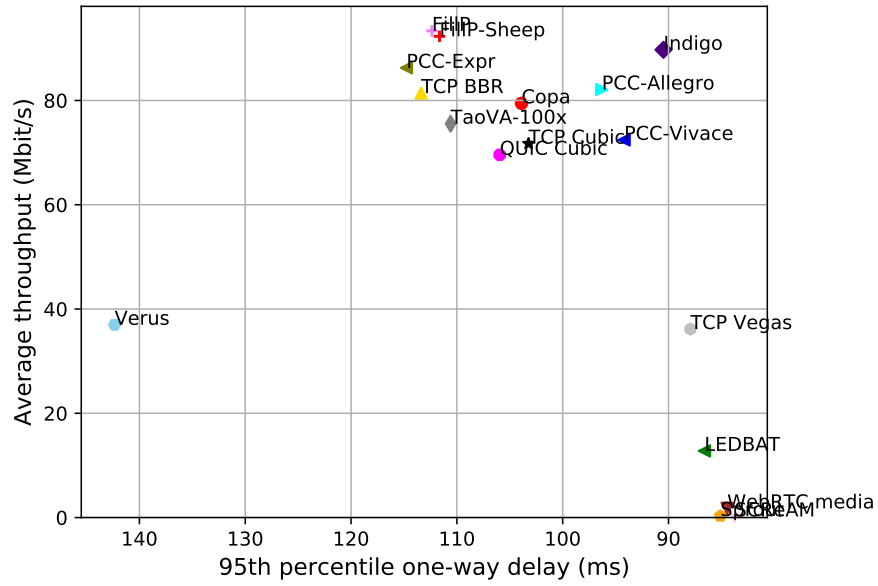
### System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

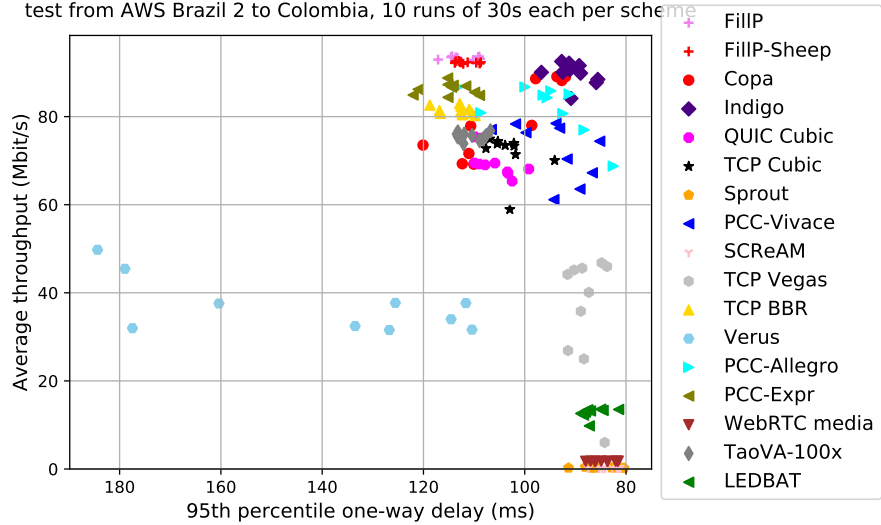
### Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
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 Brazil 2 to Colombia, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	81.42	113.38	4.46
Copa	10	79.45	103.89	1.60
TCP Cubic	10	71.71	103.23	0.41
FillP	10	93.34	112.36	10.89
FillP-Sheep	10	92.30	111.64	2.39
Indigo	10	89.71	90.48	0.87
LEDBAT	10	12.78	86.61	0.00
PCC-Allegro	10	82.09	96.31	1.53
PCC-Expr	10	86.25	114.77	2.41
QUIC Cubic	10	69.58	105.95	0.42
SCReAM	10	0.22	83.76	0.00
Sprout	10	0.31	85.10	0.00
TaoVA-100x	10	75.54	110.59	0.45
TCP Vegas	10	36.15	87.93	0.34
Verus	10	36.98	142.35	55.39
PCC-Vivace	10	72.44	94.20	0.05
WebRTC media	10	1.76	84.46	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-21 19:02:46

End at: 2018-08-21 19:03:16

Local clock offset: -6.509 ms

Remote clock offset: 0.197 ms

# Below is generated by plot.py at 2018-08-21 22:18:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.76 Mbit/s

95th percentile per-packet one-way delay: 110.418 ms

Loss rate: 4.32%

-- Flow 1:

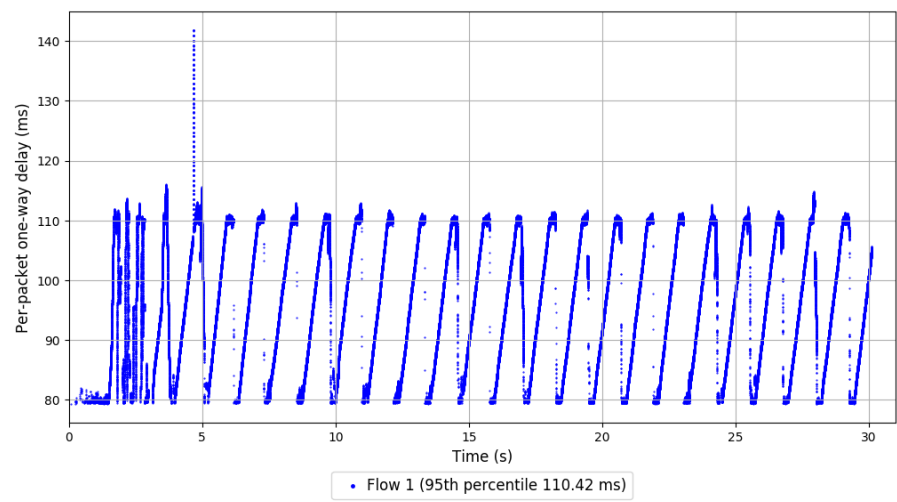
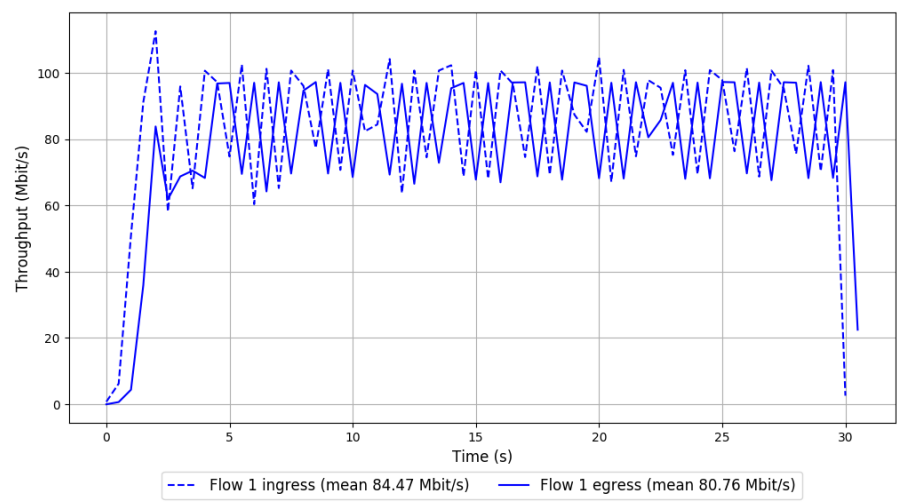
Average throughput: 80.76 Mbit/s

95th percentile per-packet one-way delay: 110.418 ms

Loss rate: 4.32%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-21 19:22:44

End at: 2018-08-21 19:23:14

Local clock offset: -4.517 ms

Remote clock offset: 1.619 ms

# Below is generated by plot.py at 2018-08-21 22:19:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 112.837 ms

Loss rate: 4.45%

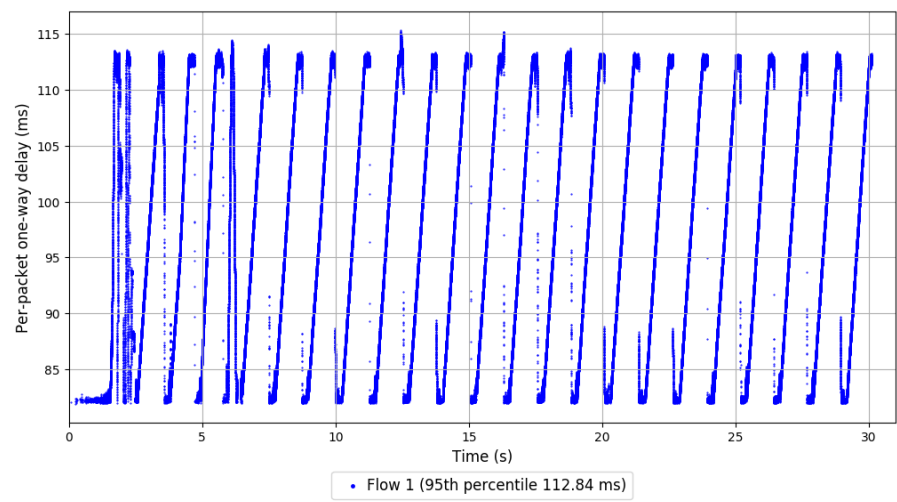
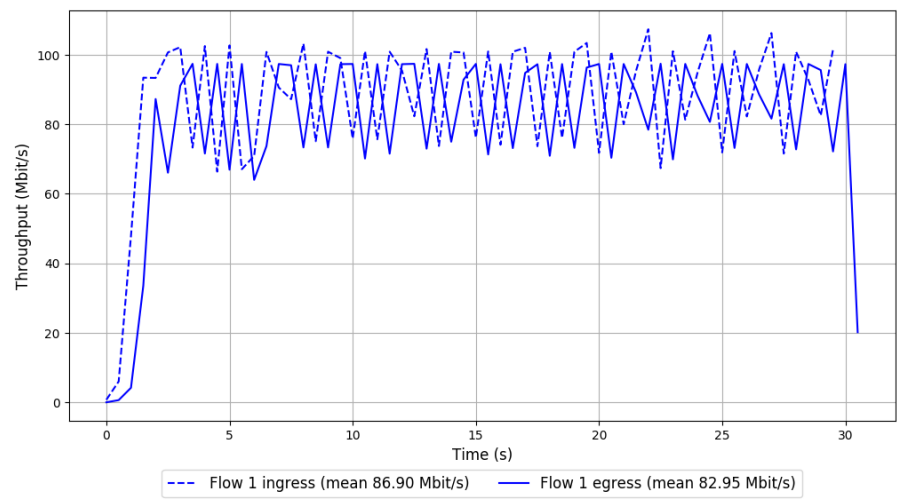
-- Flow 1:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 112.837 ms

Loss rate: 4.45%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-21 19:42:34

End at: 2018-08-21 19:43:04

Local clock offset: -6.028 ms

Remote clock offset: 1.932 ms

# Below is generated by plot.py at 2018-08-21 22:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 112.602 ms

Loss rate: 4.87%

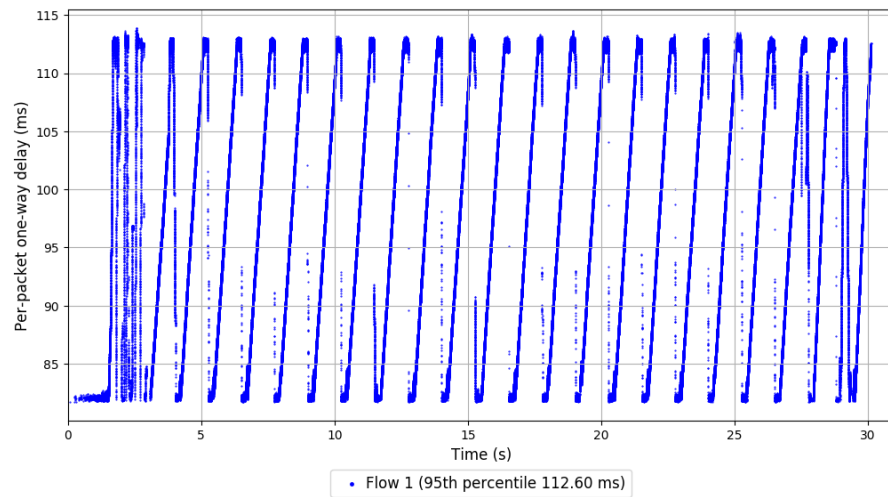
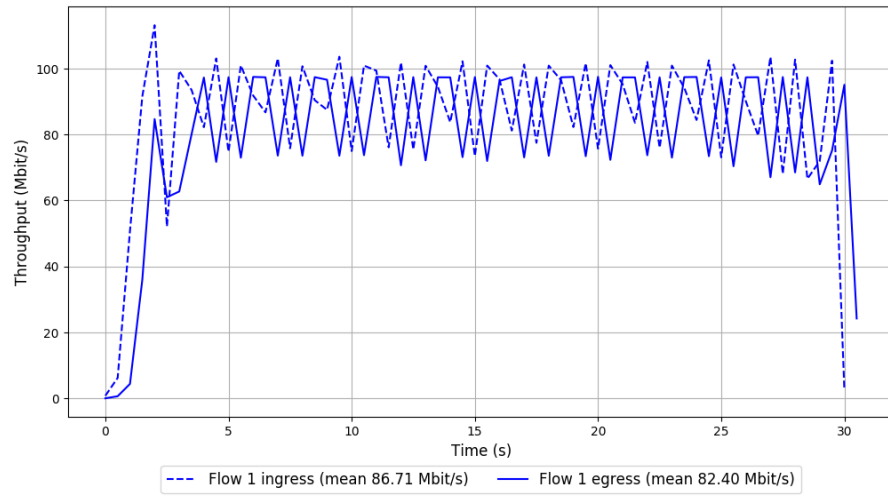
-- Flow 1:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 112.602 ms

Loss rate: 4.87%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-21 20:02:26

End at: 2018-08-21 20:02:56

Local clock offset: -5.957 ms

Remote clock offset: 8.752 ms

# Below is generated by plot.py at 2018-08-21 22:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 118.728 ms

Loss rate: 4.61%

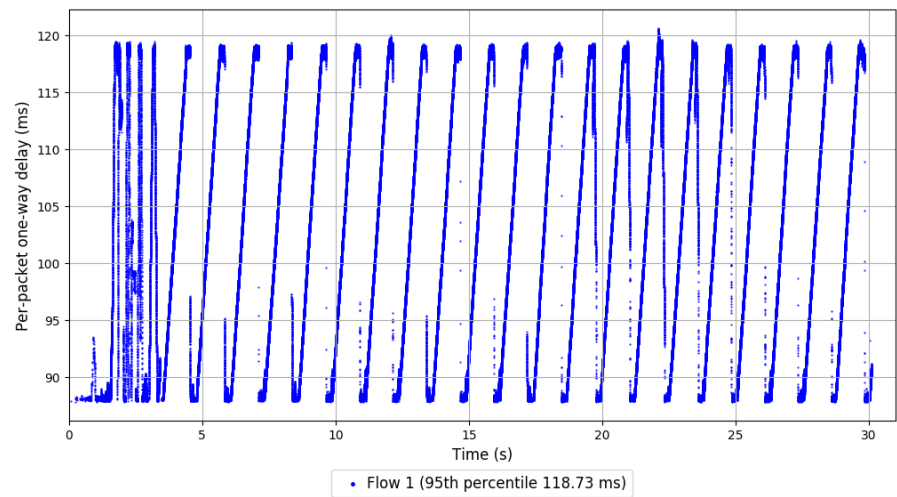
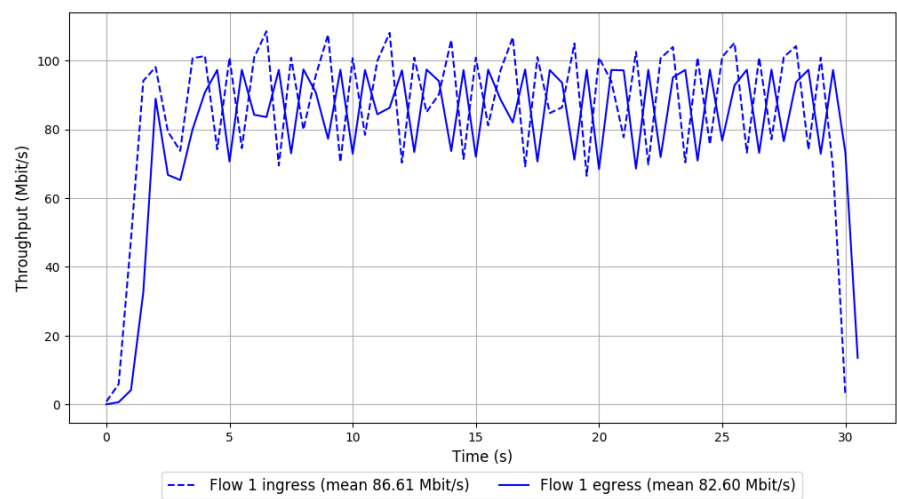
-- Flow 1:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 118.728 ms

Loss rate: 4.61%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-21 20:22:17

End at: 2018-08-21 20:22:47

Local clock offset: -4.29 ms

Remote clock offset: 3.383 ms

# Below is generated by plot.py at 2018-08-21 22:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 110.947 ms

Loss rate: 4.46%

-- Flow 1:

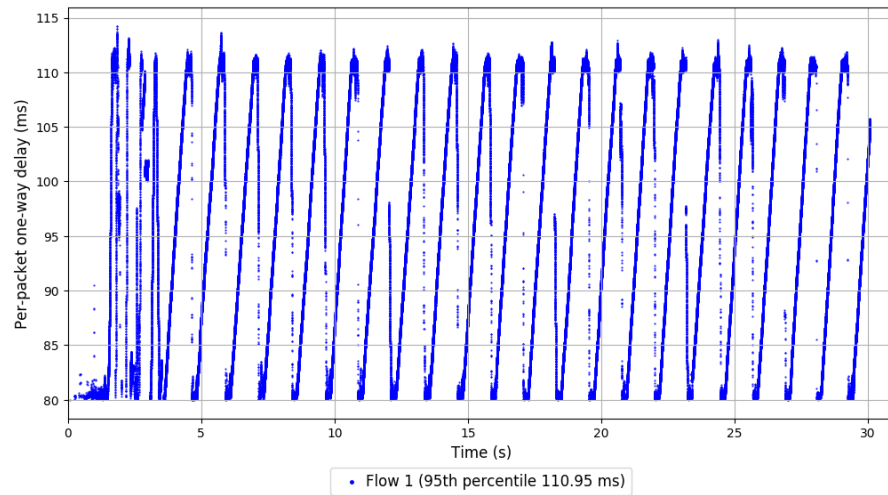
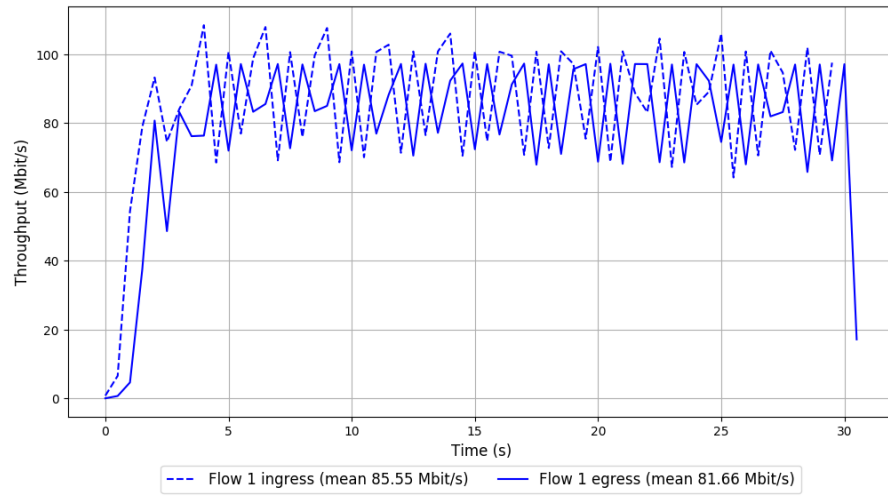
Average throughput: 81.66 Mbit/s

95th percentile per-packet one-way delay: 110.947 ms

Loss rate: 4.46%



### Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-21 20:42:11

End at: 2018-08-21 20:42:41

Local clock offset: -4.382 ms

Remote clock offset: 5.221 ms

# Below is generated by plot.py at 2018-08-21 22:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.73 Mbit/s

95th percentile per-packet one-way delay: 116.647 ms

Loss rate: 3.78%

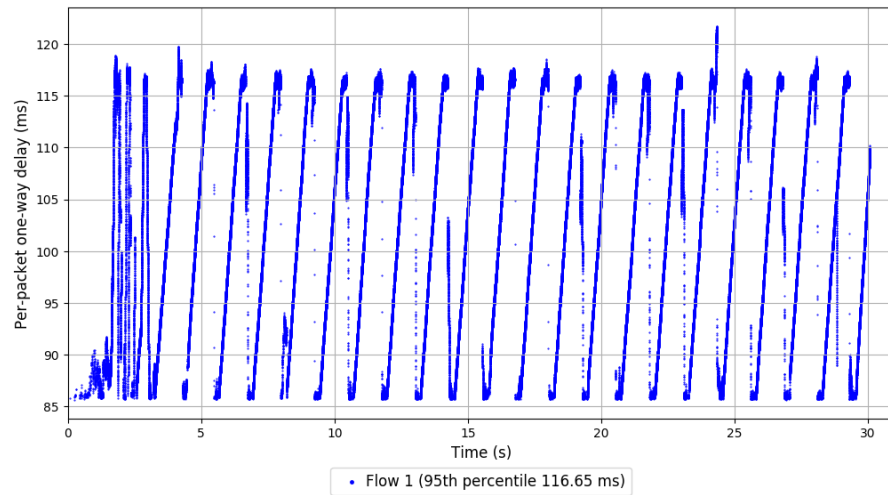
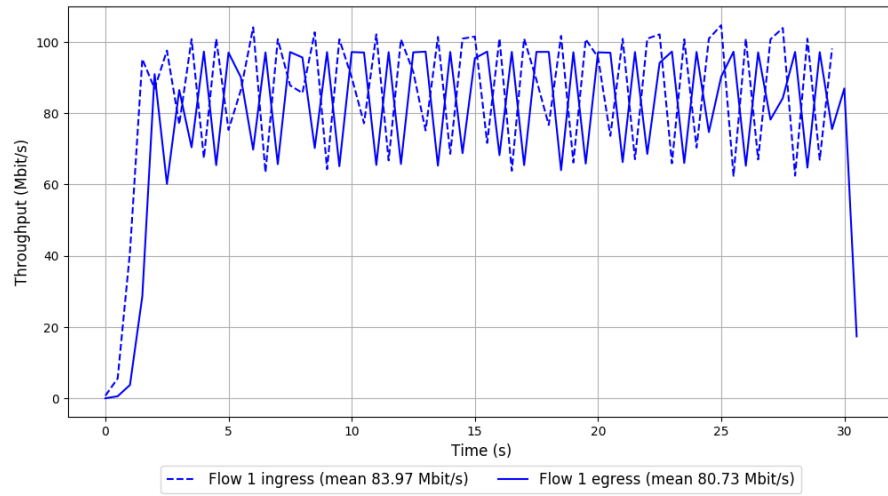
-- Flow 1:

Average throughput: 80.73 Mbit/s

95th percentile per-packet one-way delay: 116.647 ms

Loss rate: 3.78%

### Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-21 21:02:10

End at: 2018-08-21 21:02:40

Local clock offset: -5.432 ms

Remote clock offset: 3.443 ms

# Below is generated by plot.py at 2018-08-21 22:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.09 Mbit/s

95th percentile per-packet one-way delay: 112.678 ms

Loss rate: 4.37%

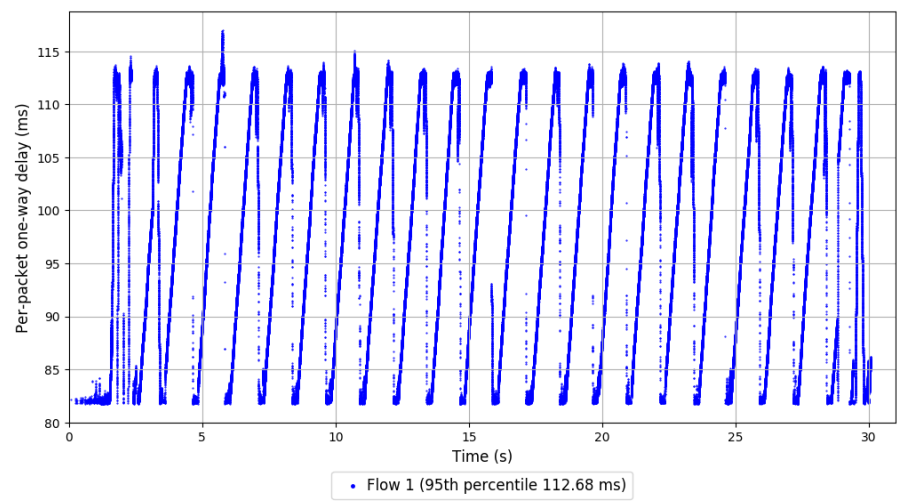
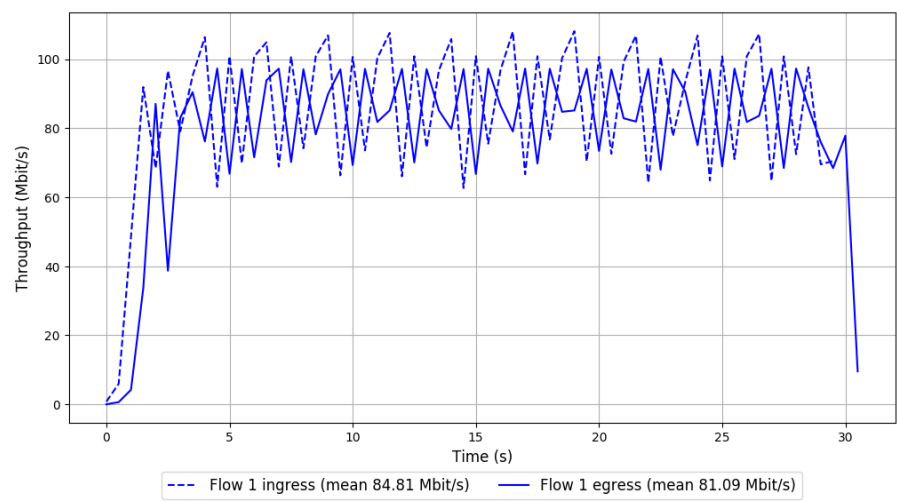
-- Flow 1:

Average throughput: 81.09 Mbit/s

95th percentile per-packet one-way delay: 112.678 ms

Loss rate: 4.37%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-21 21:22:07

End at: 2018-08-21 21:22:37

Local clock offset: -4.303 ms

Remote clock offset: 8.57 ms

# Below is generated by plot.py at 2018-08-21 22:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.38 Mbit/s

95th percentile per-packet one-way delay: 116.828 ms

Loss rate: 4.03%

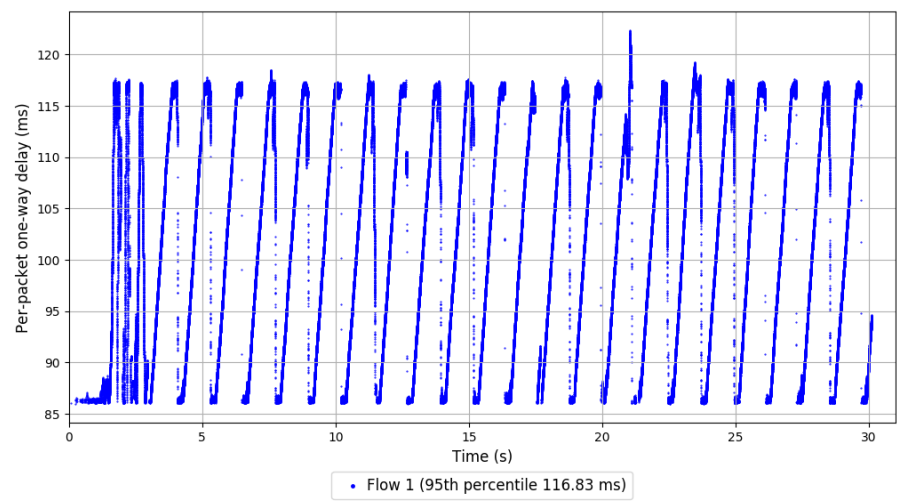
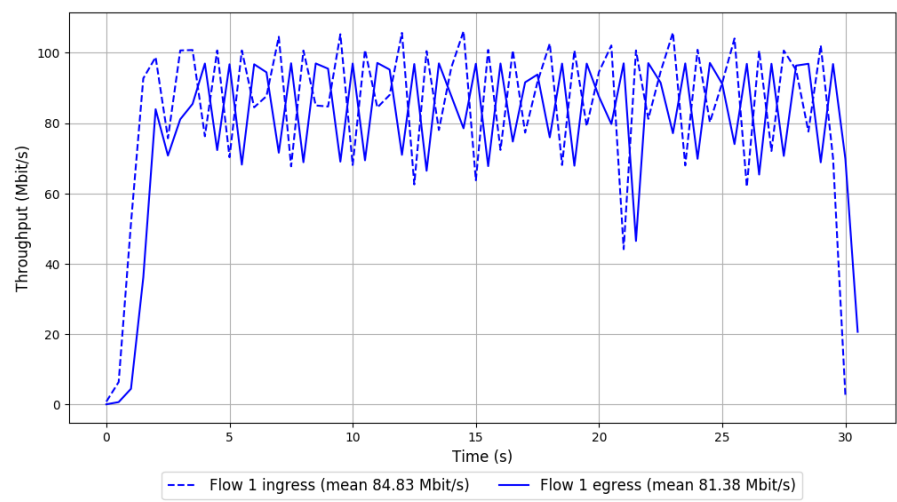
-- Flow 1:

Average throughput: 81.38 Mbit/s

95th percentile per-packet one-way delay: 116.828 ms

Loss rate: 4.03%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-21 21:42:01

End at: 2018-08-21 21:42:31

Local clock offset: -3.424 ms

Remote clock offset: 4.102 ms

# Below is generated by plot.py at 2018-08-21 22:19:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 109.774 ms

Loss rate: 5.05%

-- Flow 1:

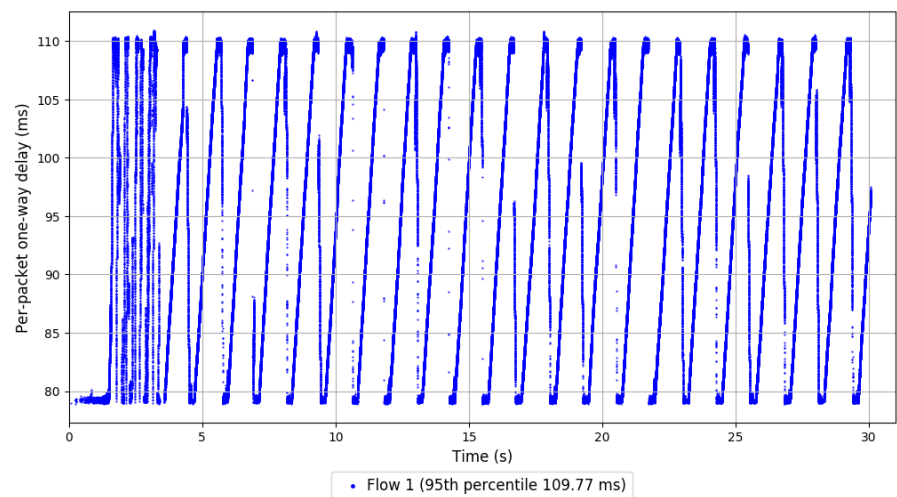
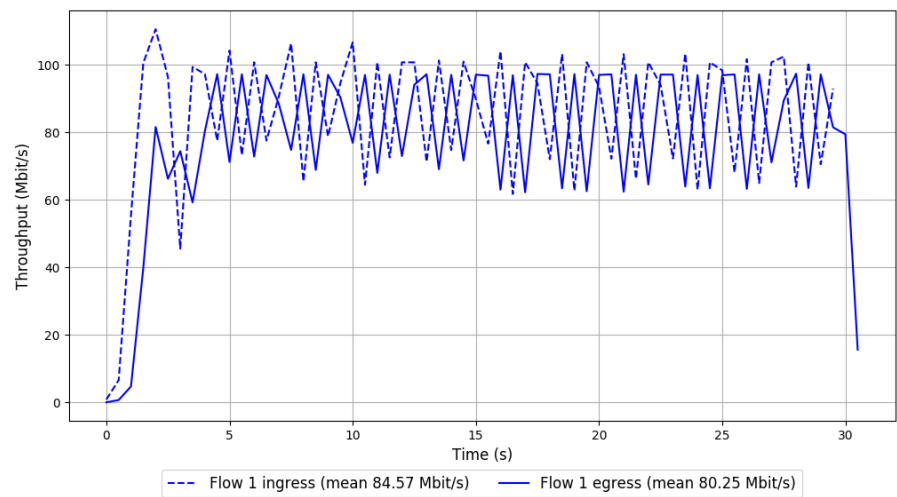
Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 109.774 ms

Loss rate: 5.05%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-21 22:01:54

End at: 2018-08-21 22:02:24

Local clock offset: -4.241 ms

Remote clock offset: 6.305 ms

# Below is generated by plot.py at 2018-08-21 22:19:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 112.315 ms

Loss rate: 4.67%

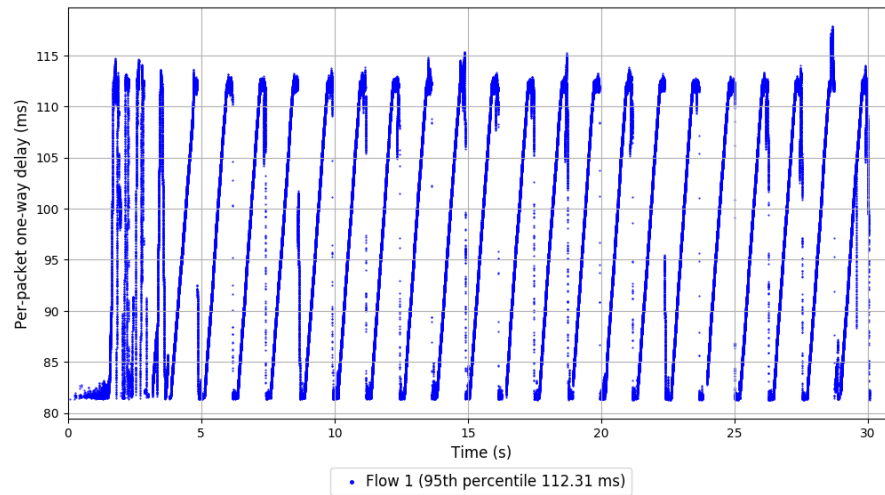
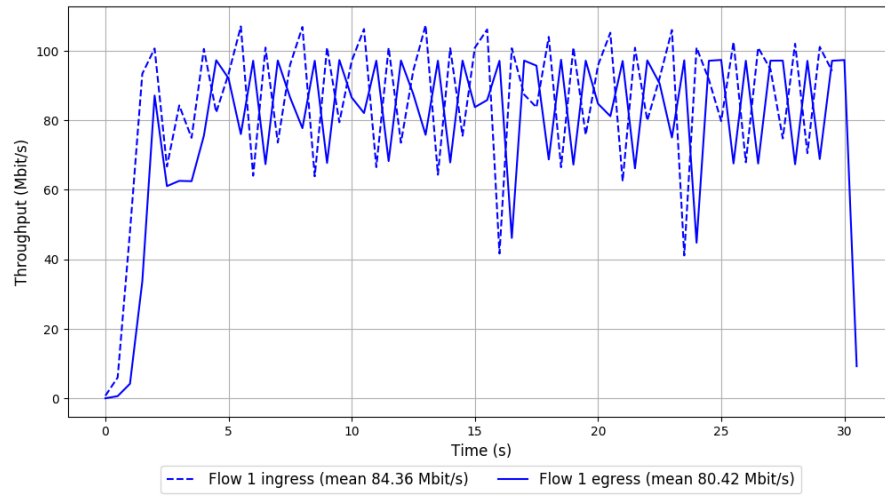
-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 112.315 ms

Loss rate: 4.67%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-21 19:00:22

End at: 2018-08-21 19:00:52

Local clock offset: -5.705 ms

Remote clock offset: 6.273 ms

# Below is generated by plot.py at 2018-08-21 22:20:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 110.672 ms

Loss rate: 1.77%

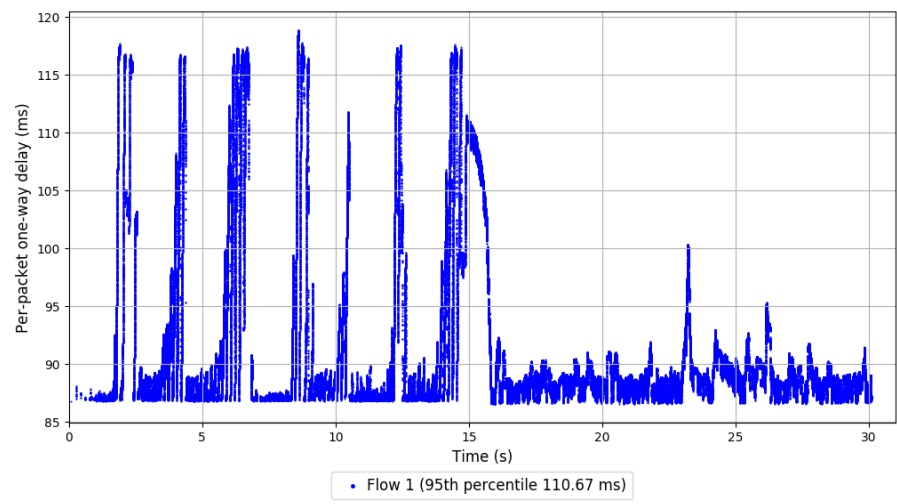
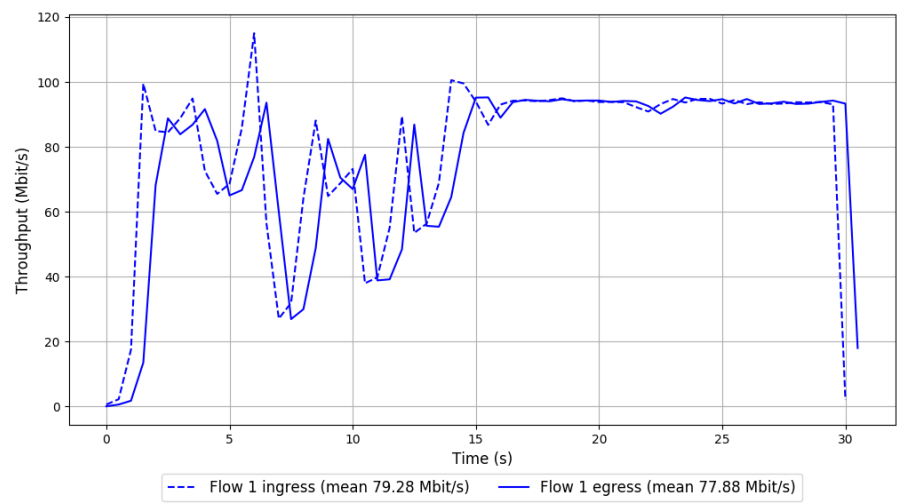
-- Flow 1:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 110.672 ms

Loss rate: 1.77%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-21 19:20:20

End at: 2018-08-21 19:20:50

Local clock offset: -5.296 ms

Remote clock offset: 6.514 ms

# Below is generated by plot.py at 2018-08-21 22:20:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 92.680 ms

Loss rate: 0.33%

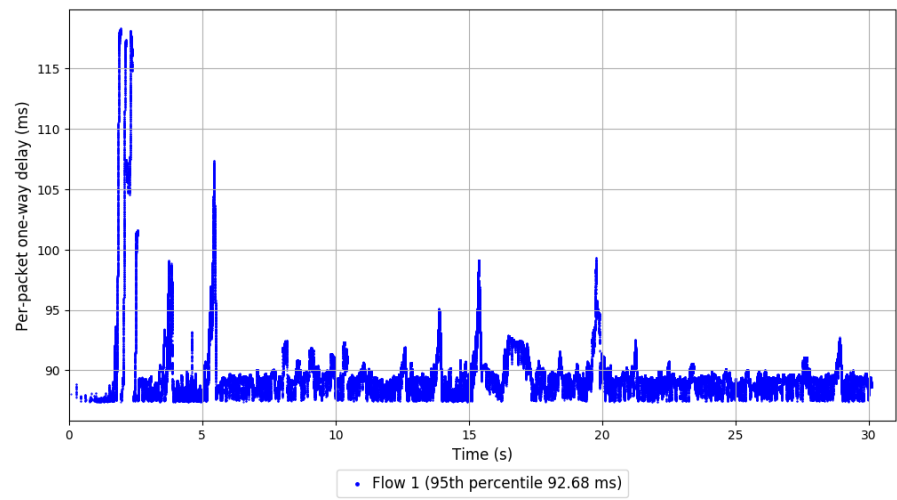
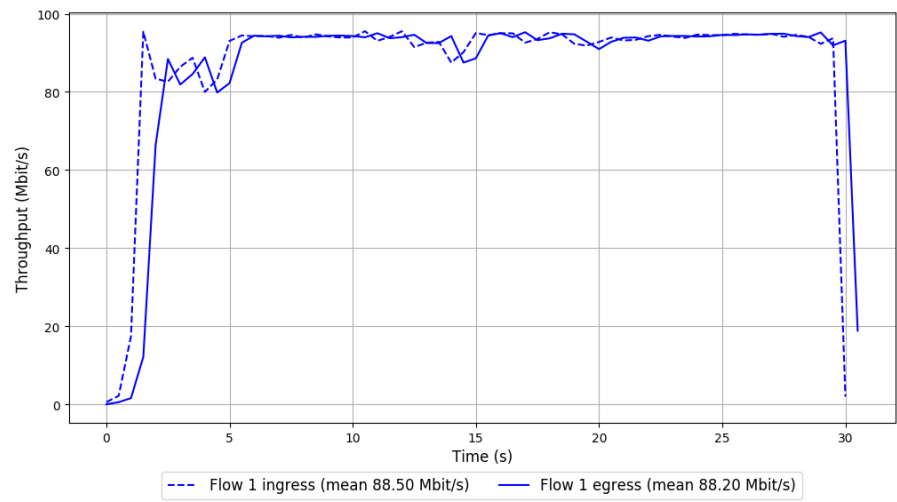
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 92.680 ms

Loss rate: 0.33%

Run 2: Report of Copa — Data Link



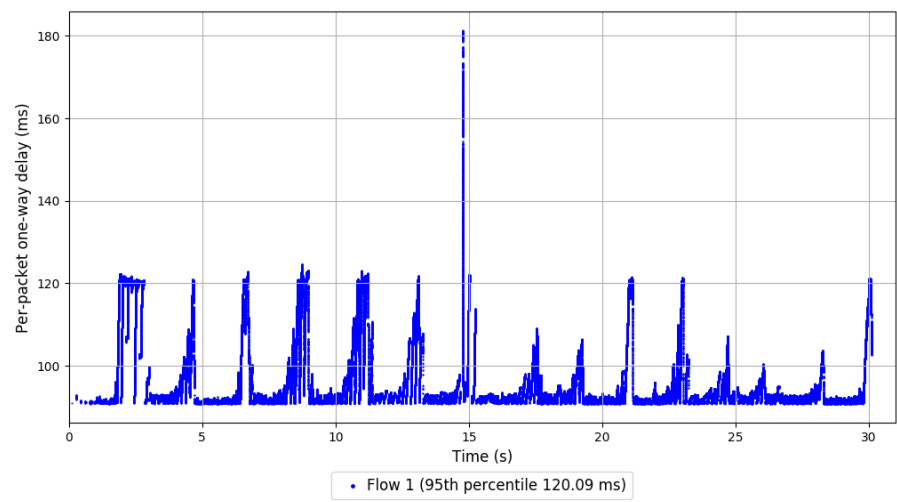
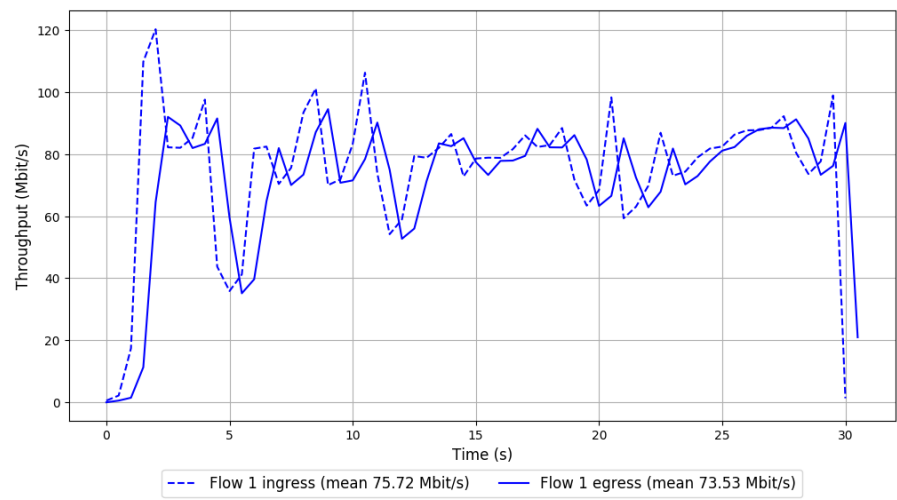
Run 3: Statistics of Copa

Start at: 2018-08-21 19:40:12  
End at: 2018-08-21 19:40:42  
Local clock offset: -5.388 ms  
Remote clock offset: 6.502 ms

# Below is generated by plot.py at 2018-08-21 22:20:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.53 Mbit/s  
95th percentile per-packet one-way delay: 120.092 ms  
Loss rate: 2.87%  
-- Flow 1:  
Average throughput: 73.53 Mbit/s  
95th percentile per-packet one-way delay: 120.092 ms  
Loss rate: 2.87%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-21 20:00:04

End at: 2018-08-21 20:00:34

Local clock offset: -4.362 ms

Remote clock offset: 2.43 ms

# Below is generated by plot.py at 2018-08-21 22:20:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 110.071 ms

Loss rate: 3.42%

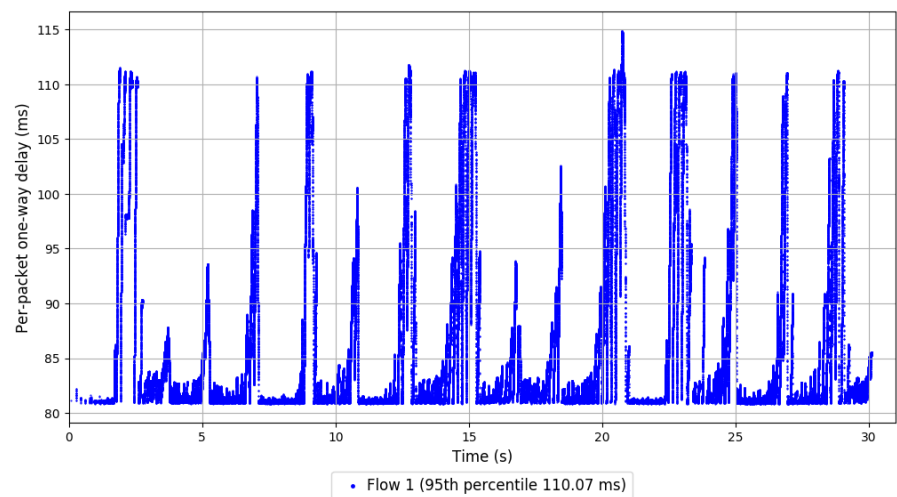
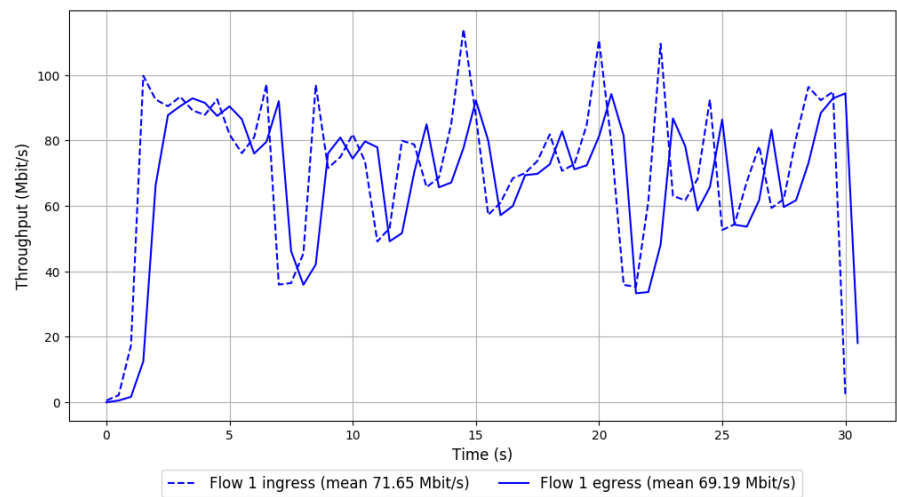
-- Flow 1:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 110.071 ms

Loss rate: 3.42%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-21 20:19:53

End at: 2018-08-21 20:20:23

Local clock offset: -4.327 ms

Remote clock offset: 8.276 ms

# Below is generated by plot.py at 2018-08-21 22:20:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 97.846 ms

Loss rate: 0.75%

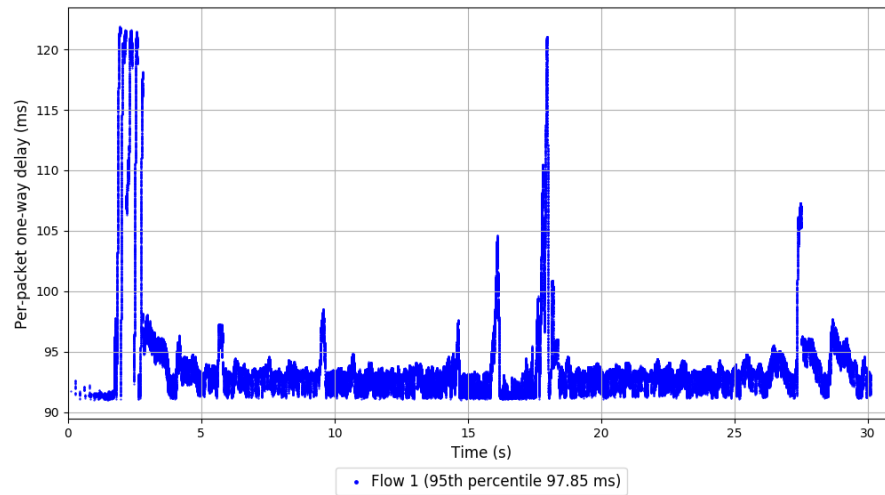
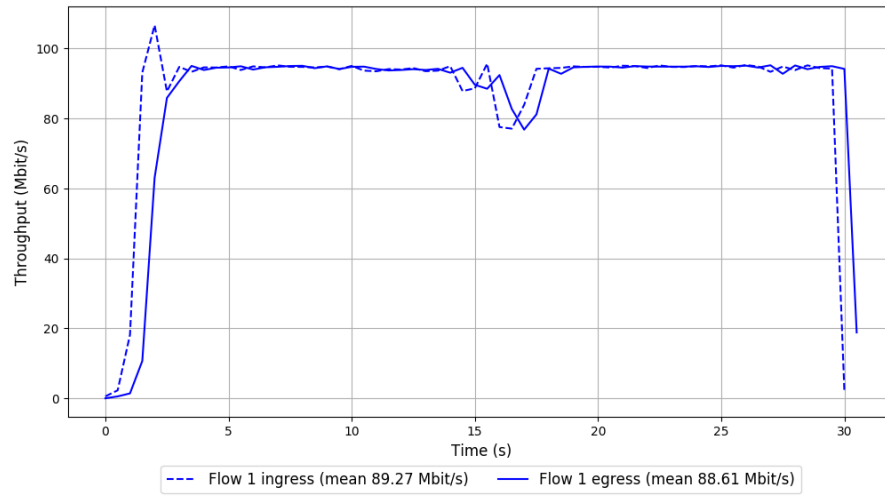
-- Flow 1:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 97.846 ms

Loss rate: 0.75%

### Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-21 20:39:47

End at: 2018-08-21 20:40:17

Local clock offset: -5.083 ms

Remote clock offset: 9.05 ms

# Below is generated by plot.py at 2018-08-21 22:20:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 91.932 ms

Loss rate: 0.36%

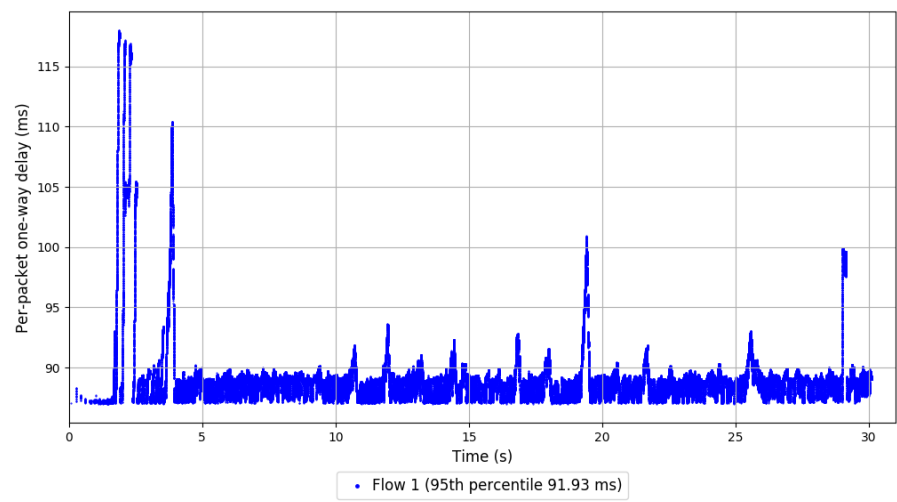
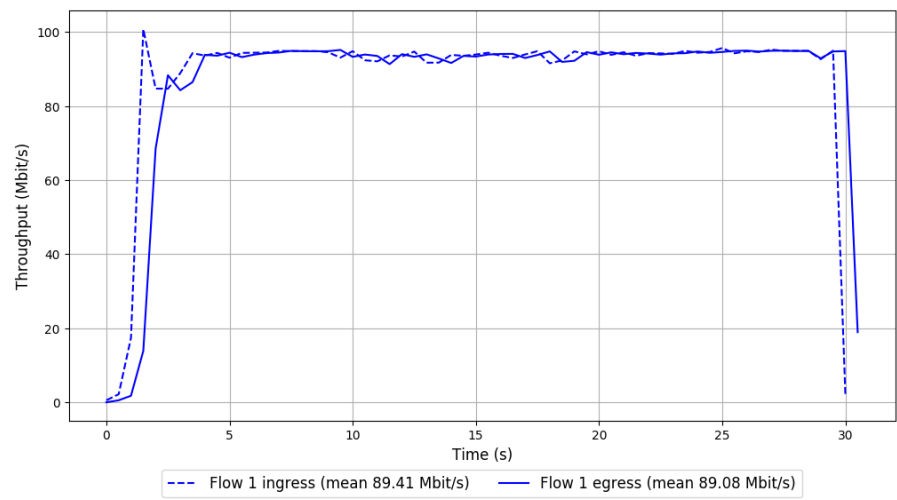
-- Flow 1:

Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 91.932 ms

Loss rate: 0.36%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-21 20:59:47

End at: 2018-08-21 21:00:17

Local clock offset: -4.698 ms

Remote clock offset: 9.775 ms

# Below is generated by plot.py at 2018-08-21 22:21:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 93.654 ms

Loss rate: 0.37%

-- Flow 1:

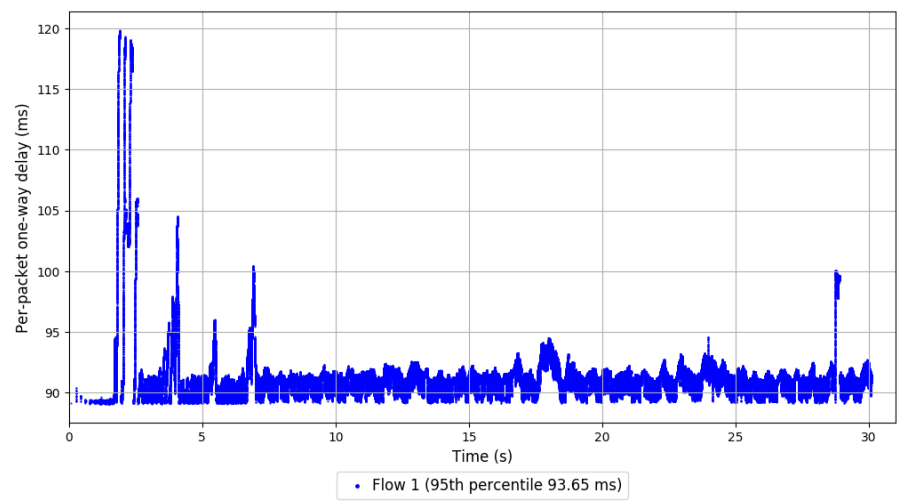
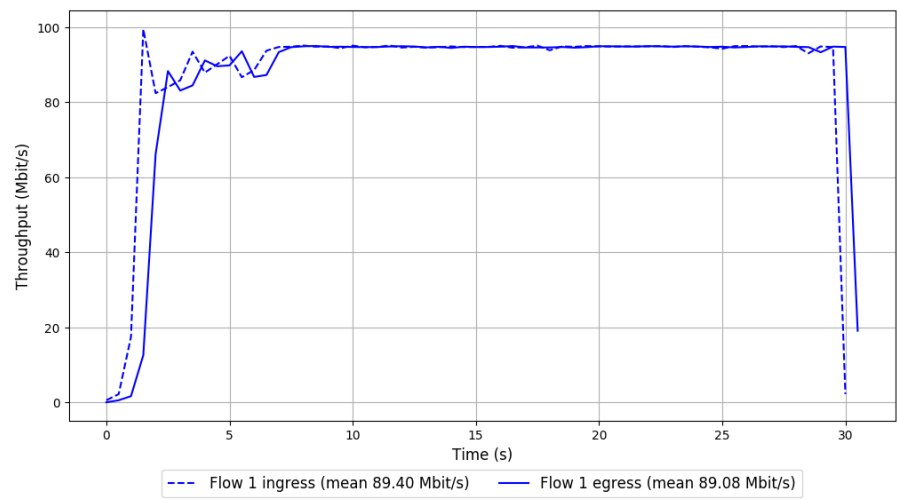
Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 93.654 ms

Loss rate: 0.37%



Run 7: Report of Copa — Data Link

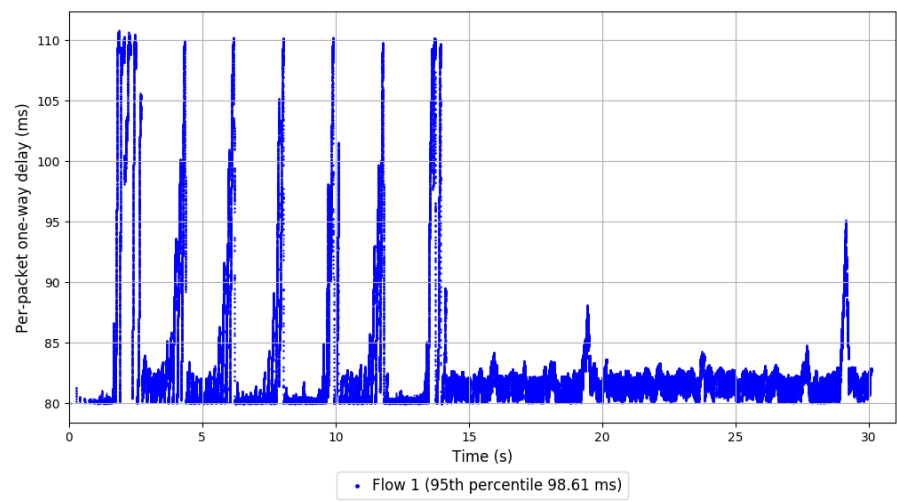
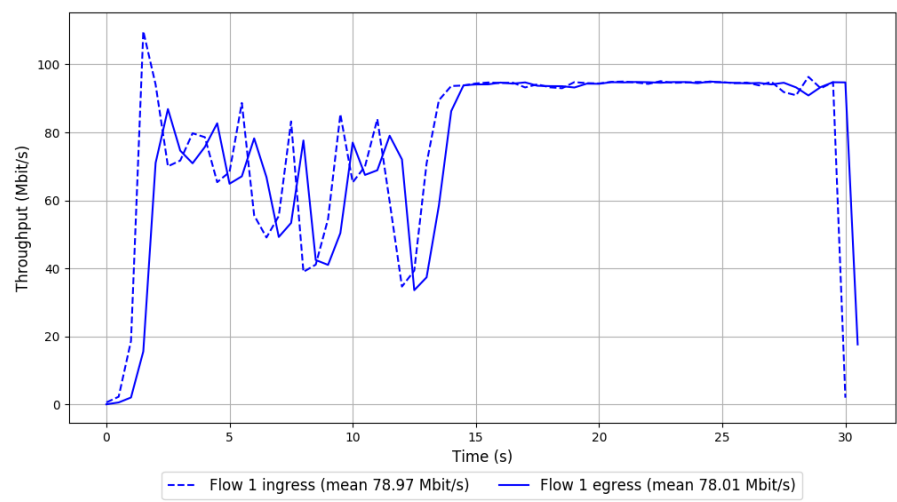


Run 8: Statistics of Copa

Start at: 2018-08-21 21:19:44  
End at: 2018-08-21 21:20:14  
Local clock offset: -3.498 ms  
Remote clock offset: 4.713 ms

# Below is generated by plot.py at 2018-08-21 22:21:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.01 Mbit/s  
95th percentile per-packet one-way delay: 98.612 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 78.01 Mbit/s  
95th percentile per-packet one-way delay: 98.612 ms  
Loss rate: 1.21%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-21 21:39:38

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

Local clock offset: -4.932 ms

Remote clock offset: 4.002 ms

# Below is generated by plot.py at 2018-08-21 22:22:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.62 Mbit/s

95th percentile per-packet one-way delay: 111.027 ms

Loss rate: 2.44%

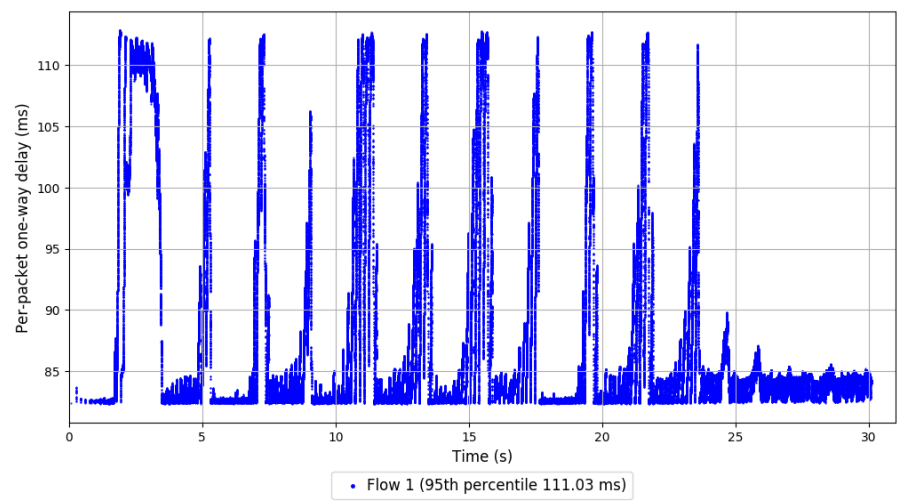
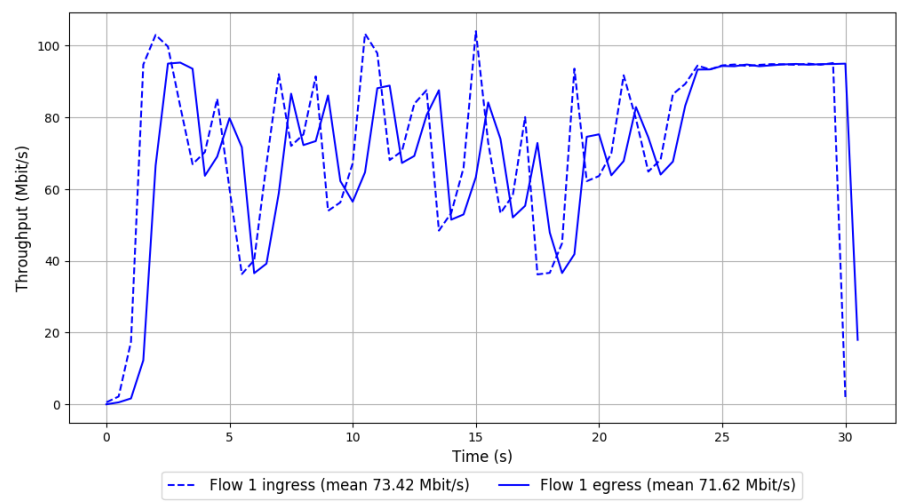
-- Flow 1:

Average throughput: 71.62 Mbit/s

95th percentile per-packet one-way delay: 111.027 ms

Loss rate: 2.44%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-21 21:59:32

End at: 2018-08-21 22:00:02

Local clock offset: -5.054 ms

Remote clock offset: 6.644 ms

# Below is generated by plot.py at 2018-08-21 22:22:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 112.337 ms

Loss rate: 2.45%

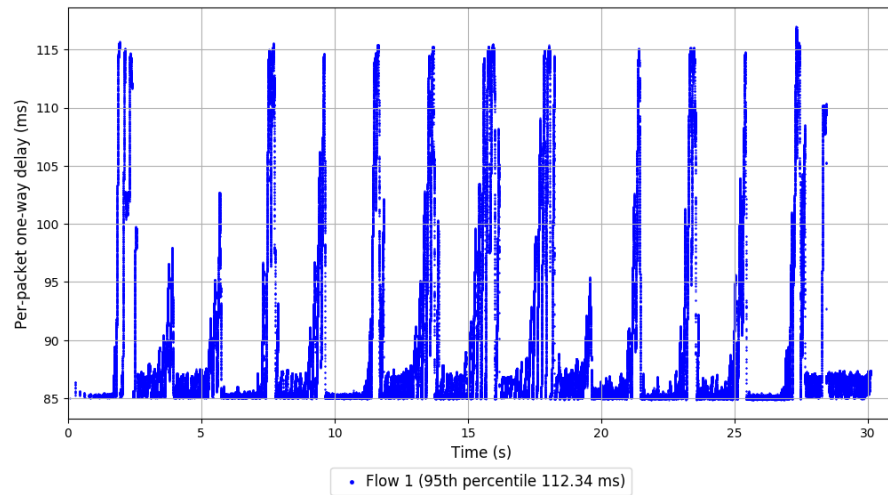
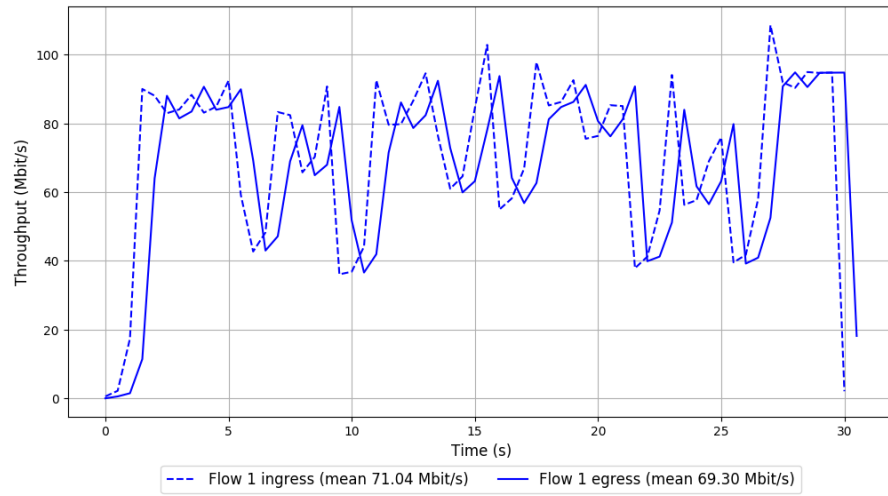
-- Flow 1:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 112.337 ms

Loss rate: 2.45%

# Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-21 19:14:25

End at: 2018-08-21 19:14:55

Local clock offset: -6.339 ms

Remote clock offset: 4.387 ms

# Below is generated by plot.py at 2018-08-21 22:22:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.38 Mbit/s

95th percentile per-packet one-way delay: 105.304 ms

Loss rate: 0.29%

-- Flow 1:

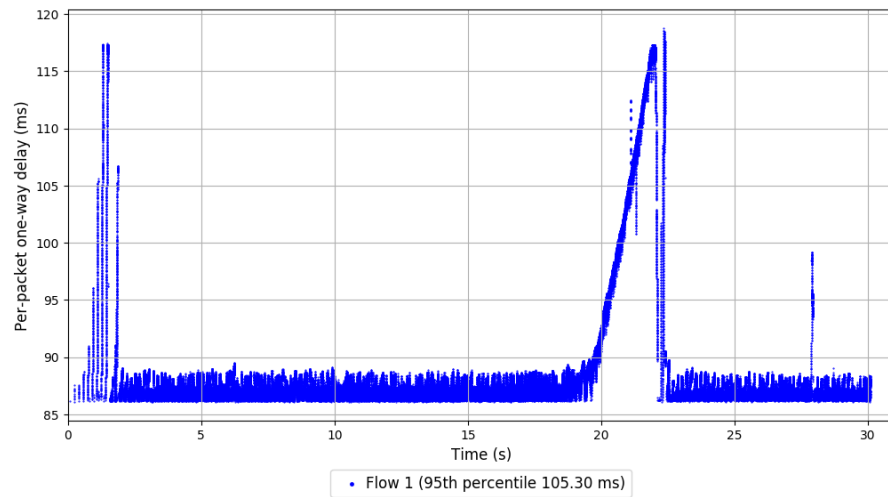
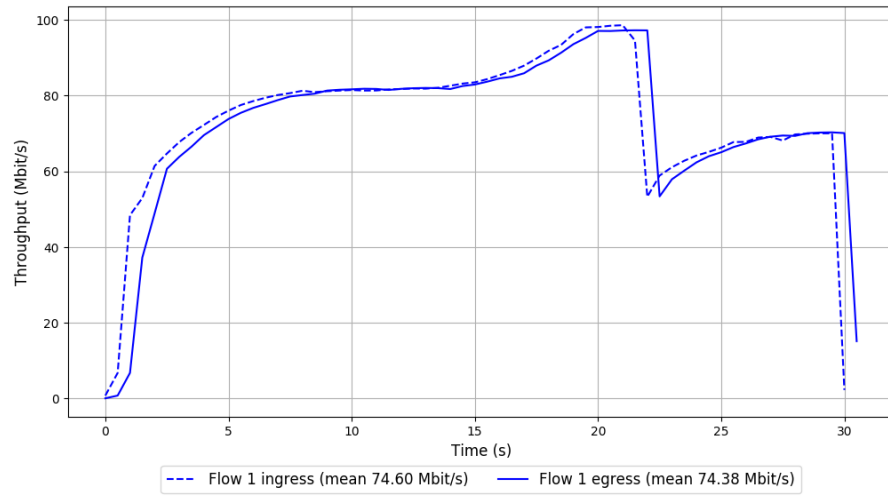
Average throughput: 74.38 Mbit/s

95th percentile per-packet one-way delay: 105.304 ms

Loss rate: 0.29%



### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

End at: 2018-08-21 19:34:49

Local clock offset: -6.221 ms

Remote clock offset: 4.349 ms

# Below is generated by plot.py at 2018-08-21 22:22:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 102.946 ms

Loss rate: 0.65%

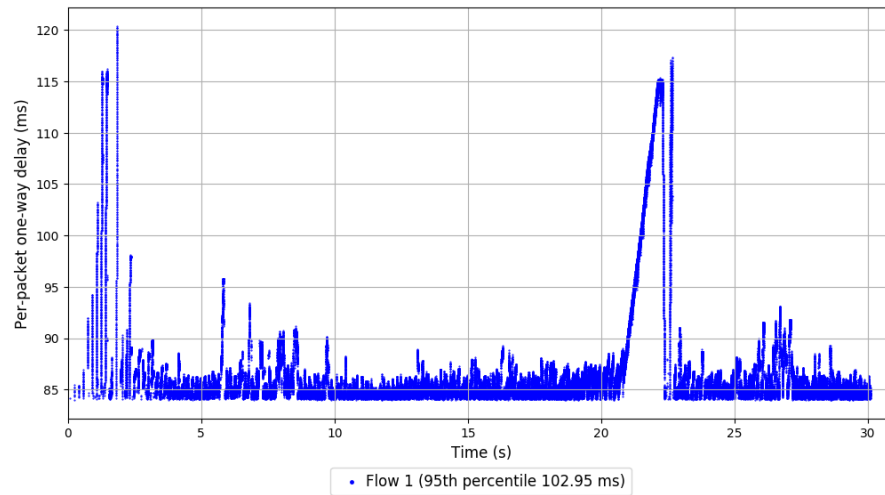
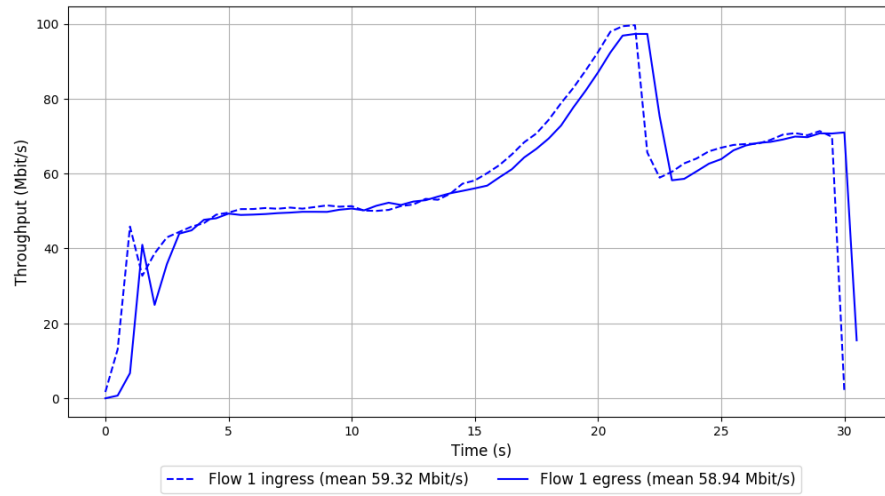
-- Flow 1:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 102.946 ms

Loss rate: 0.65%

## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-21 19:54:10

End at: 2018-08-21 19:54:40

Local clock offset: -5.82 ms

Remote clock offset: 7.213 ms

# Below is generated by plot.py at 2018-08-21 22:22:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.93 Mbit/s

95th percentile per-packet one-way delay: 106.928 ms

Loss rate: 0.36%

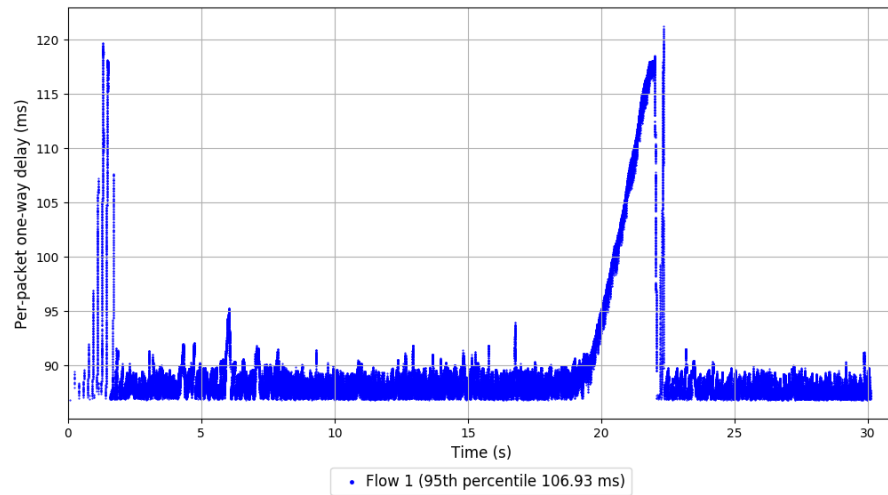
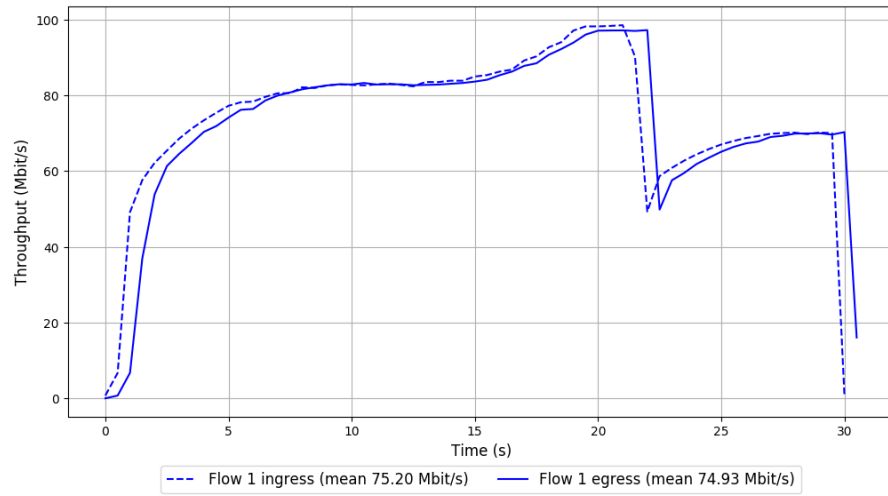
-- Flow 1:

Average throughput: 74.93 Mbit/s

95th percentile per-packet one-way delay: 106.928 ms

Loss rate: 0.36%

### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-21 20:14:00

End at: 2018-08-21 20:14:30

Local clock offset: -4.592 ms

Remote clock offset: 4.18 ms

# Below is generated by plot.py at 2018-08-21 22:22:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 102.152 ms

Loss rate: 0.35%

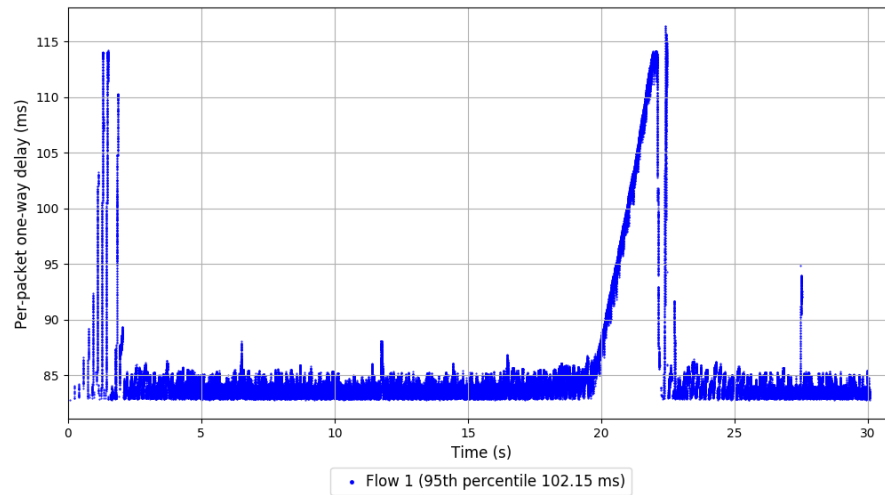
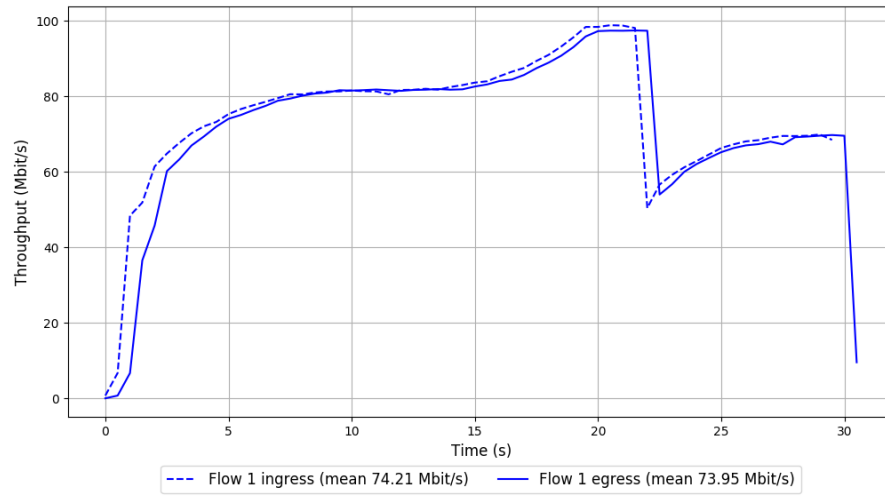
-- Flow 1:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 102.152 ms

Loss rate: 0.35%

#### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-21 20:33:54

End at: 2018-08-21 20:34:24

Local clock offset: -4.226 ms

Remote clock offset: 8.796 ms

# Below is generated by plot.py at 2018-08-21 22:22:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.84 Mbit/s

95th percentile per-packet one-way delay: 105.419 ms

Loss rate: 0.31%

-- Flow 1:

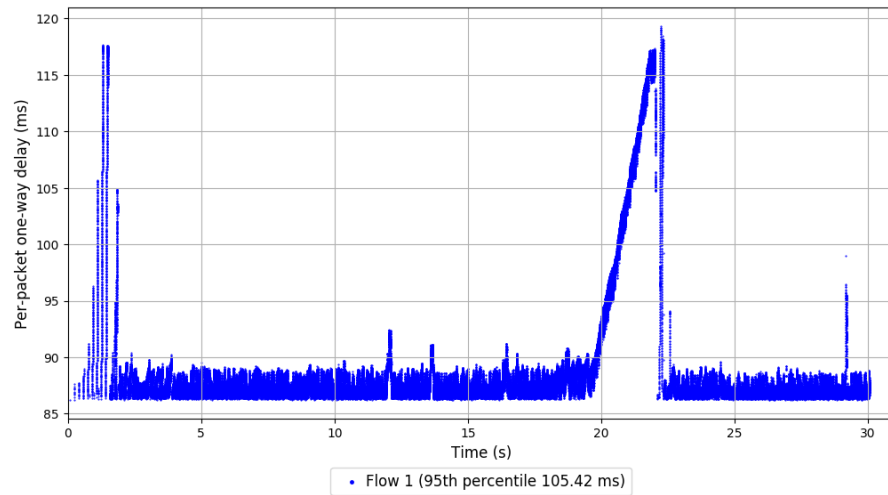
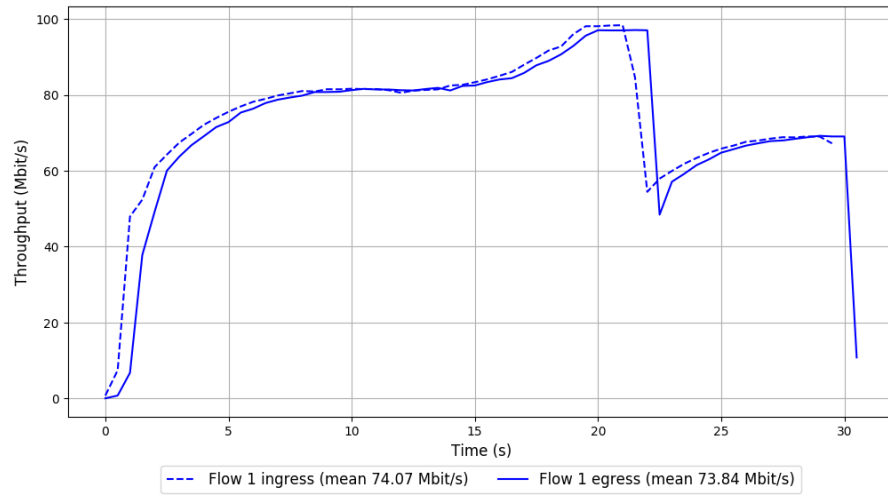
Average throughput: 73.84 Mbit/s

95th percentile per-packet one-way delay: 105.419 ms

Loss rate: 0.31%



### Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-21 20:53:47

End at: 2018-08-21 20:54:17

Local clock offset: -4.601 ms

Remote clock offset: 7.716 ms

# Below is generated by plot.py at 2018-08-21 22:22:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 103.863 ms

Loss rate: 0.40%

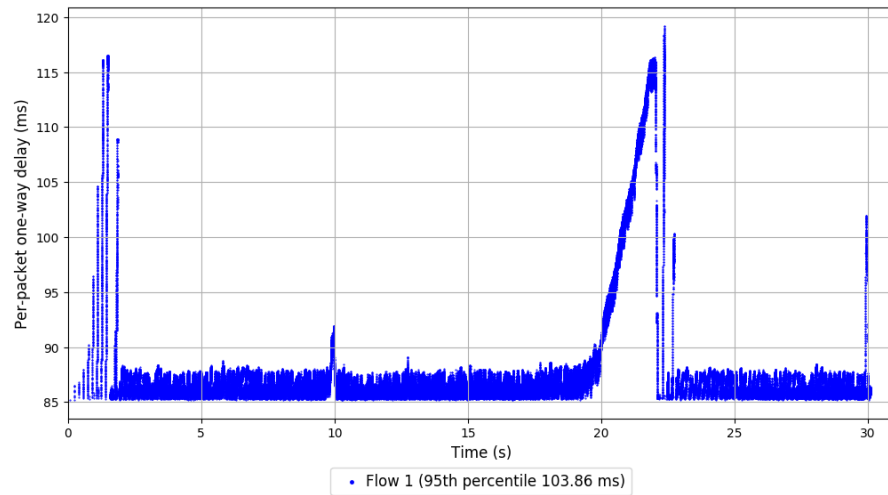
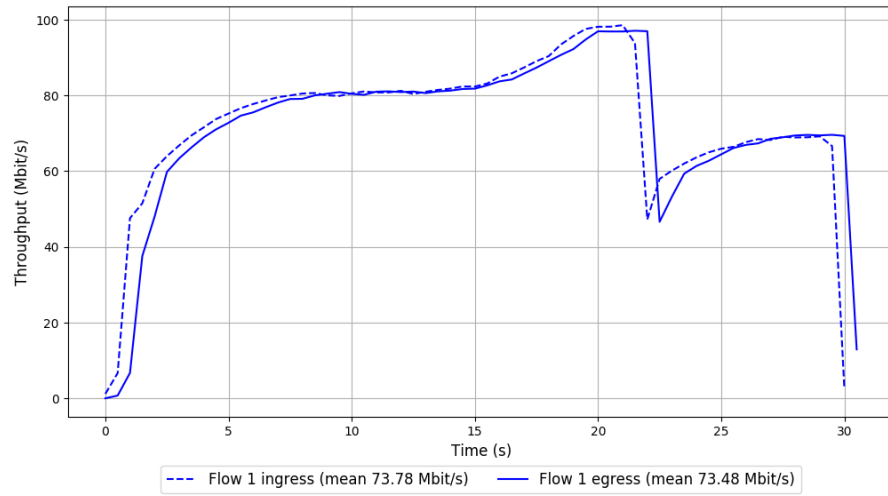
-- Flow 1:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 103.863 ms

Loss rate: 0.40%

### Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-21 21:13:45

End at: 2018-08-21 21:14:15

Local clock offset: -4.39 ms

Remote clock offset: 8.577 ms

# Below is generated by plot.py at 2018-08-21 22:22:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.40 Mbit/s

95th percentile per-packet one-way delay: 101.814 ms

Loss rate: 0.43%

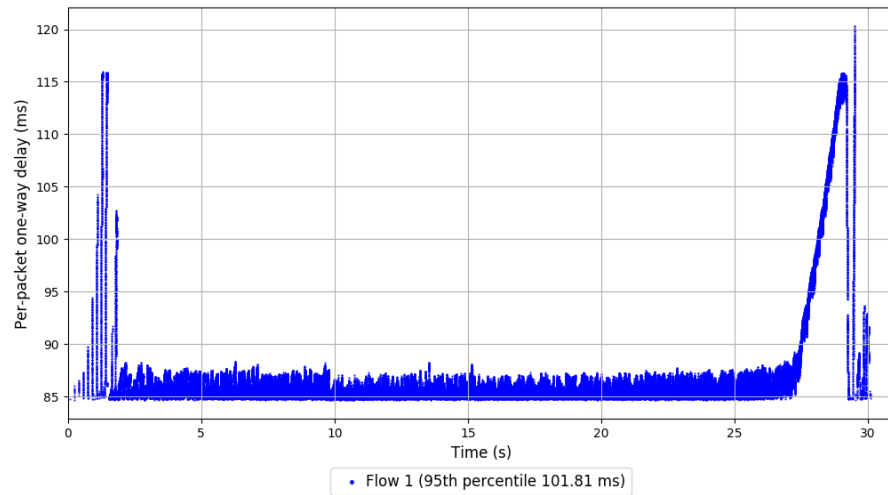
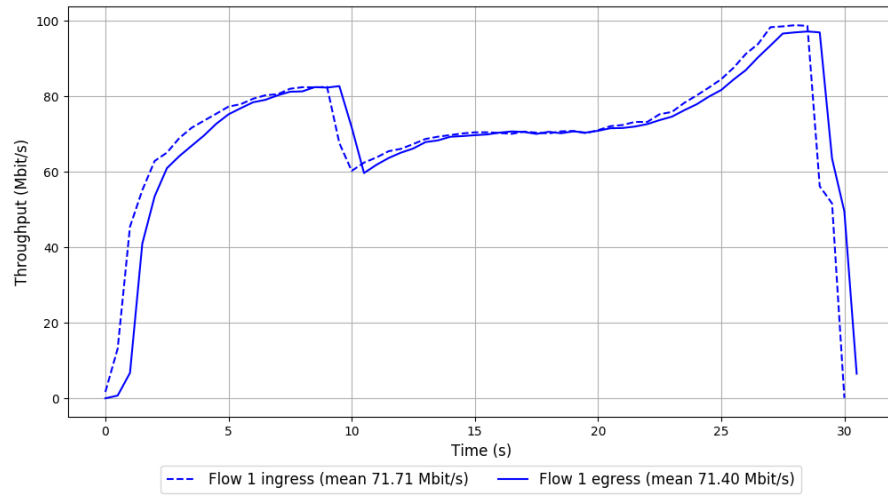
-- Flow 1:

Average throughput: 71.40 Mbit/s

95th percentile per-packet one-way delay: 101.814 ms

Loss rate: 0.43%

### Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-21 21:33:43

End at: 2018-08-21 21:34:13

Local clock offset: -3.41 ms

Remote clock offset: 4.943 ms

# Below is generated by plot.py at 2018-08-21 22:22:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.36 Mbit/s

95th percentile per-packet one-way delay: 102.105 ms

Loss rate: 0.31%

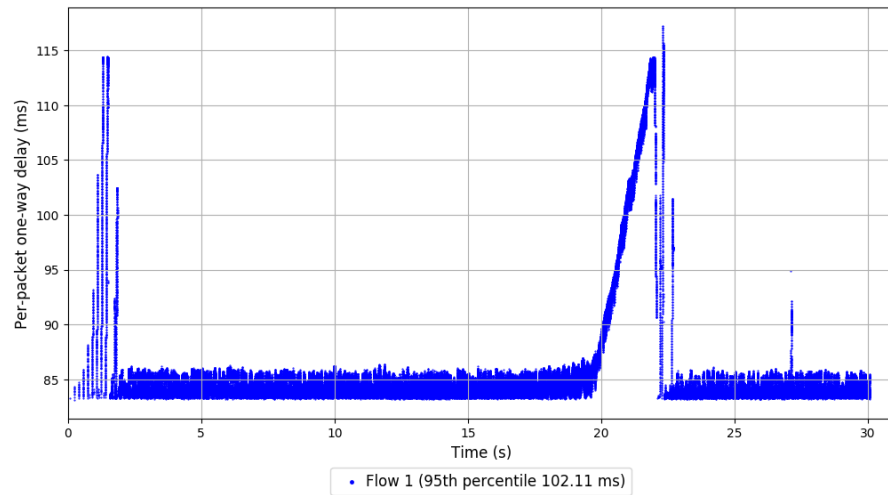
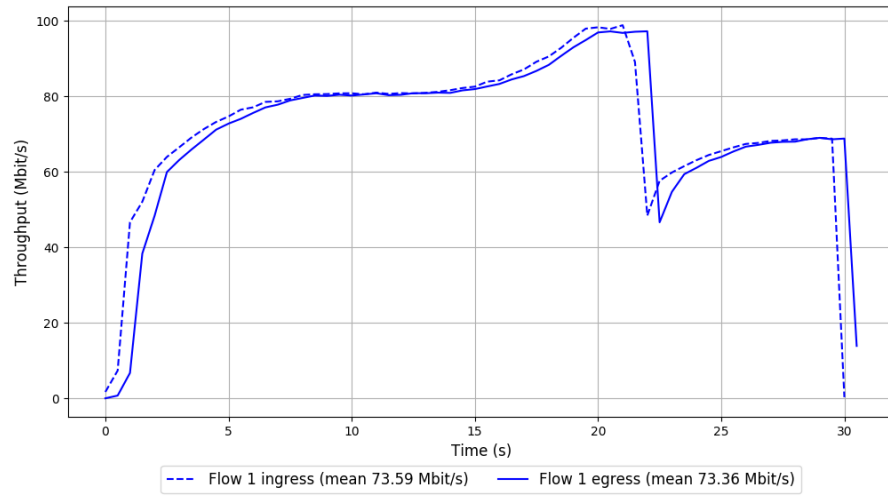
-- Flow 1:

Average throughput: 73.36 Mbit/s

95th percentile per-packet one-way delay: 102.105 ms

Loss rate: 0.31%

### Run 8: Report of TCP Cubic — Data Link



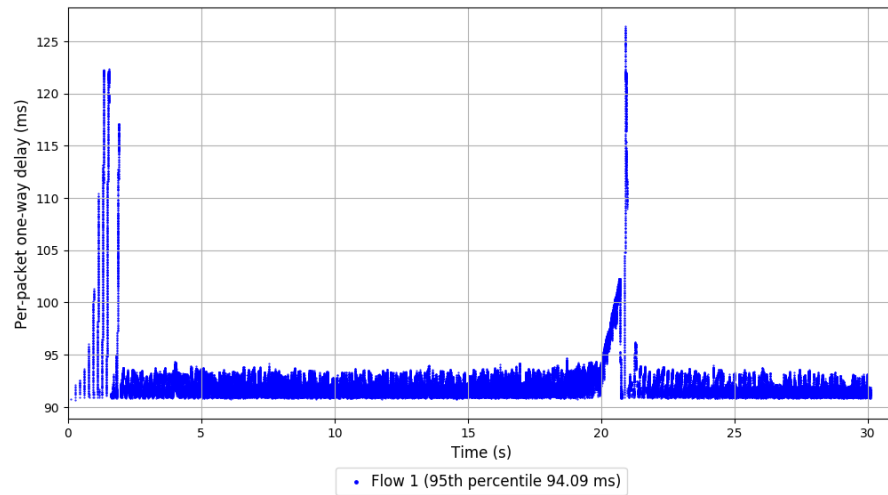
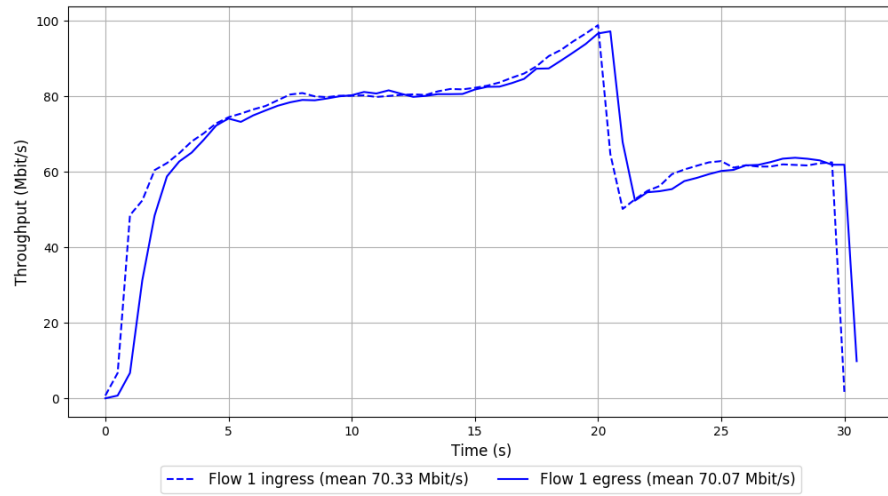
Run 9: Statistics of TCP Cubic

Start at: 2018-08-21 21:53:35  
End at: 2018-08-21 21:54:05  
Local clock offset: -4.205 ms  
Remote clock offset: 10.283 ms

# Below is generated by plot.py at 2018-08-21 22:22:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.07 Mbit/s  
95th percentile per-packet one-way delay: 94.092 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 70.07 Mbit/s  
95th percentile per-packet one-way delay: 94.092 ms  
Loss rate: 0.38%



### Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-21 22:13:28

End at: 2018-08-21 22:13:58

Local clock offset: -5.959 ms

Remote clock offset: 13.58 ms

# Below is generated by plot.py at 2018-08-21 22:22:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.78 Mbit/s

95th percentile per-packet one-way delay: 107.658 ms

Loss rate: 0.66%

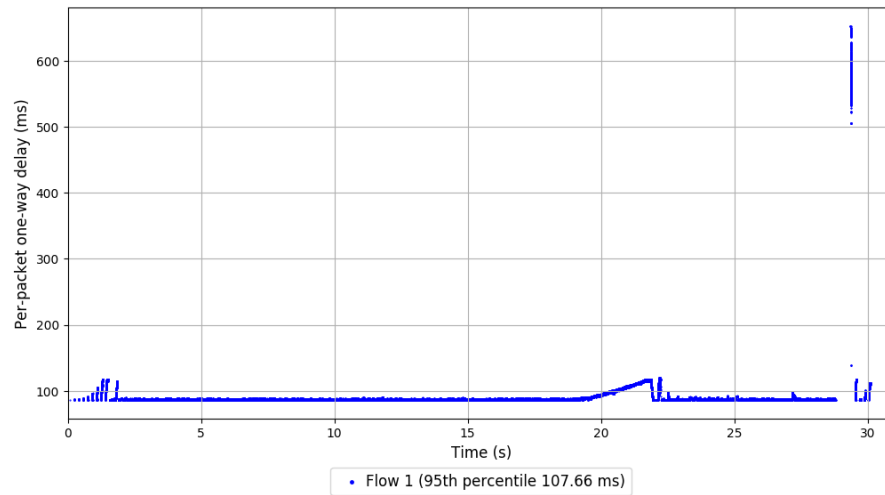
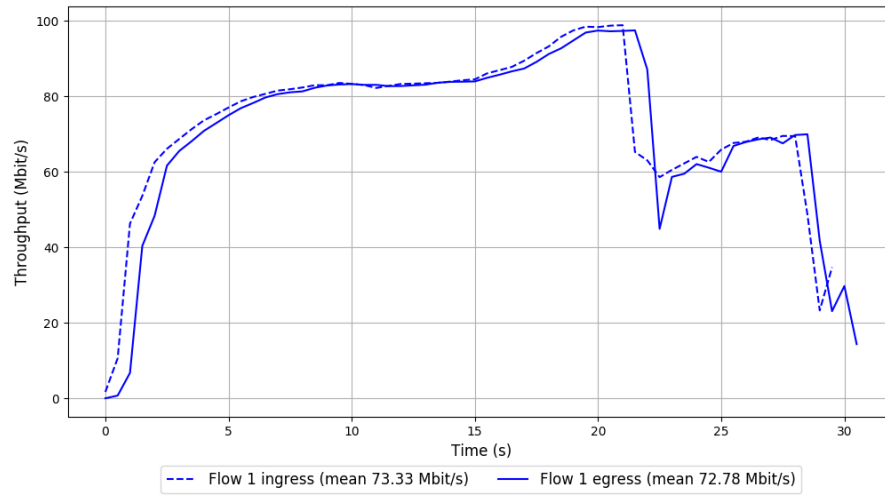
-- Flow 1:

Average throughput: 72.78 Mbit/s

95th percentile per-packet one-way delay: 107.658 ms

Loss rate: 0.66%

### Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-21 18:56:50

End at: 2018-08-21 18:57:20

Local clock offset: -6.532 ms

Remote clock offset: 4.204 ms

# Below is generated by plot.py at 2018-08-21 22:23:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 117.115 ms

Loss rate: 14.32%

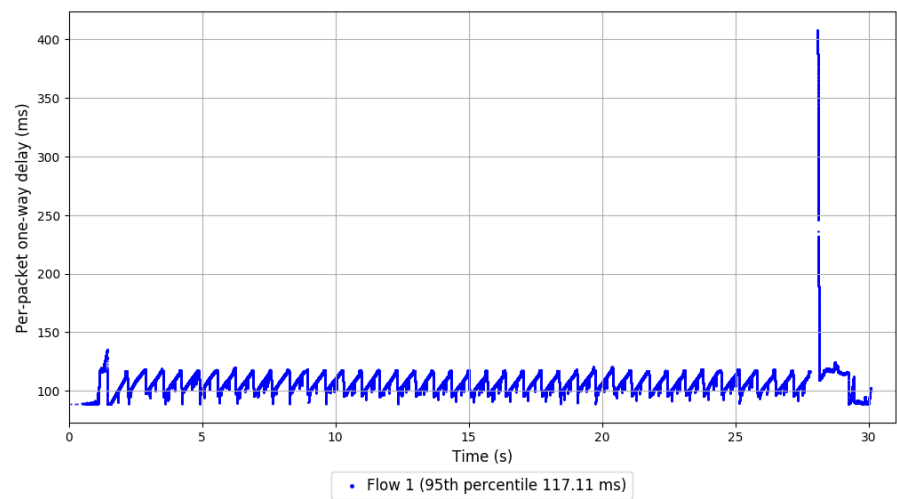
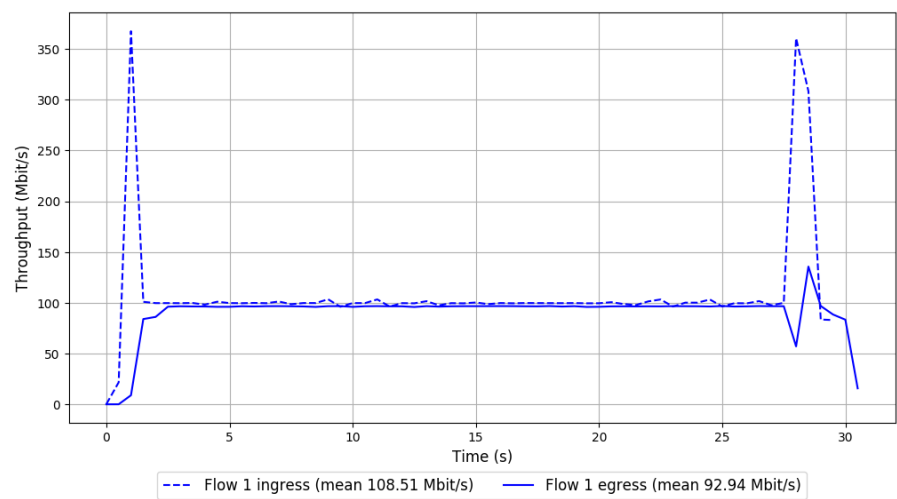
-- Flow 1:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 117.115 ms

Loss rate: 14.32%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-21 19:16:49

End at: 2018-08-21 19:17:19

Local clock offset: -5.427 ms

Remote clock offset: 1.521 ms

# Below is generated by plot.py at 2018-08-21 22:23:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 109.187 ms

Loss rate: 23.34%

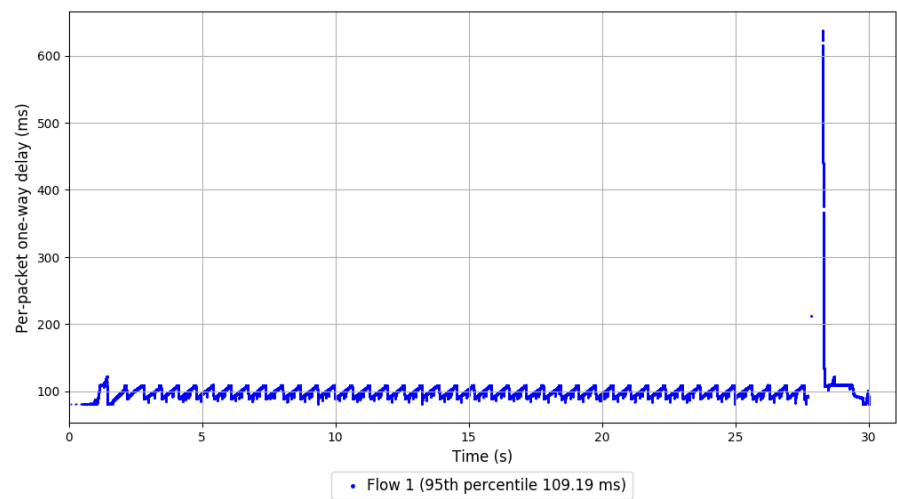
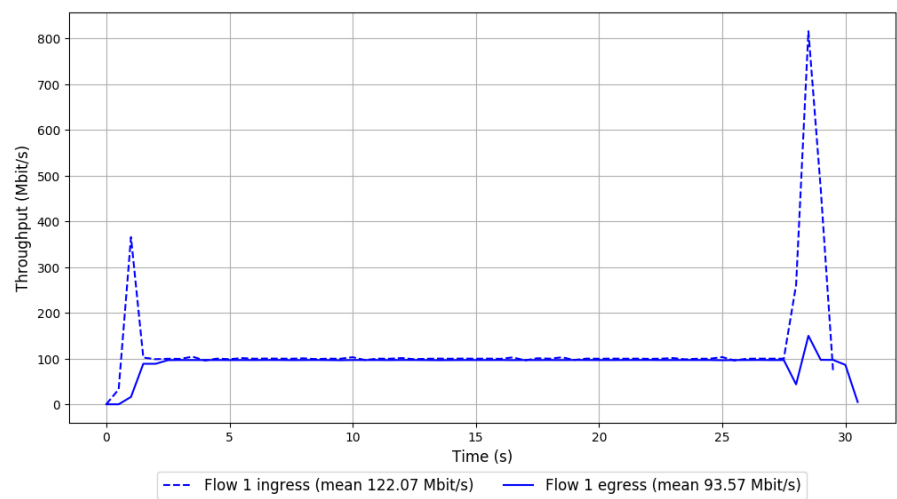
-- Flow 1:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 109.187 ms

Loss rate: 23.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-21 19:36:41

End at: 2018-08-21 19:37:11

Local clock offset: -4.776 ms

Remote clock offset: 6.448 ms

# Below is generated by plot.py at 2018-08-21 22:23:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 114.340 ms

Loss rate: 7.48%

-- Flow 1:

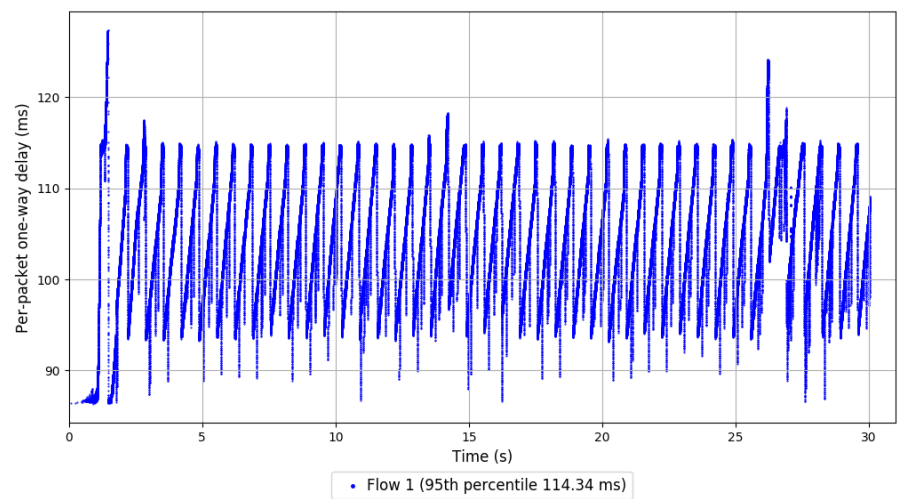
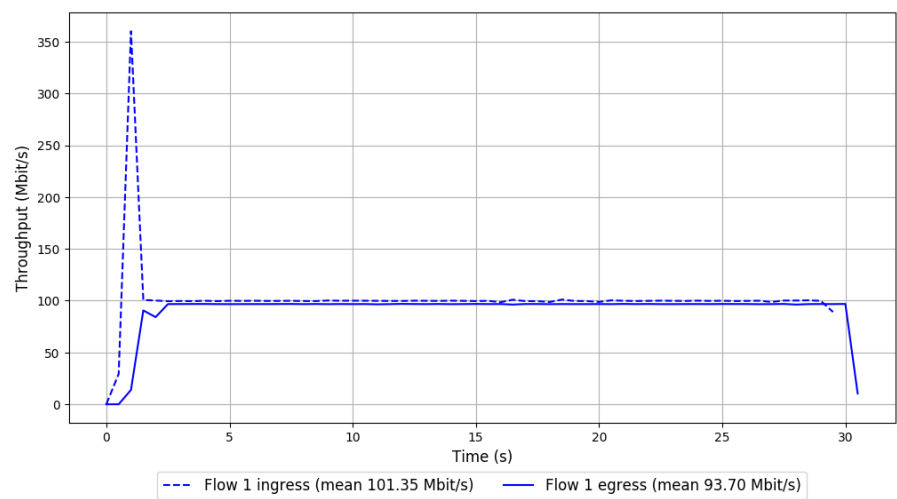
Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 114.340 ms

Loss rate: 7.48%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-21 19:56:33

End at: 2018-08-21 19:57:03

Local clock offset: -5.858 ms

Remote clock offset: 7.322 ms

# Below is generated by plot.py at 2018-08-21 22:23:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 113.279 ms

Loss rate: 8.92%

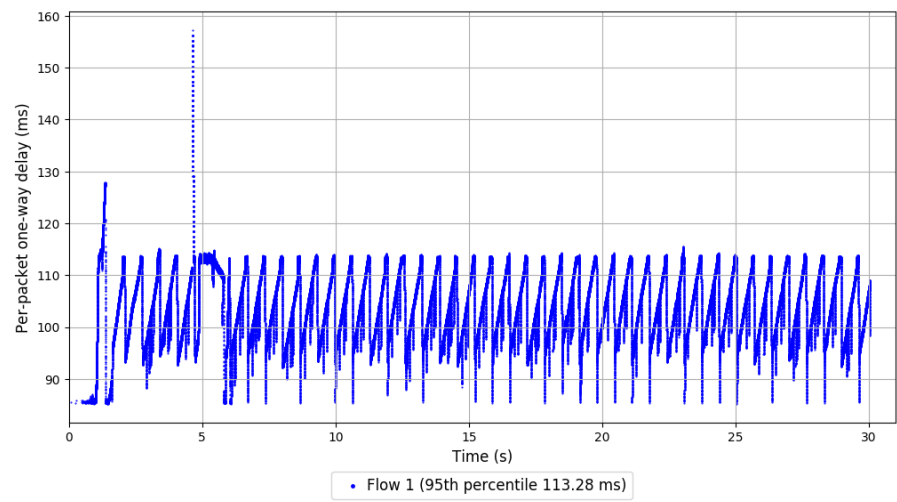
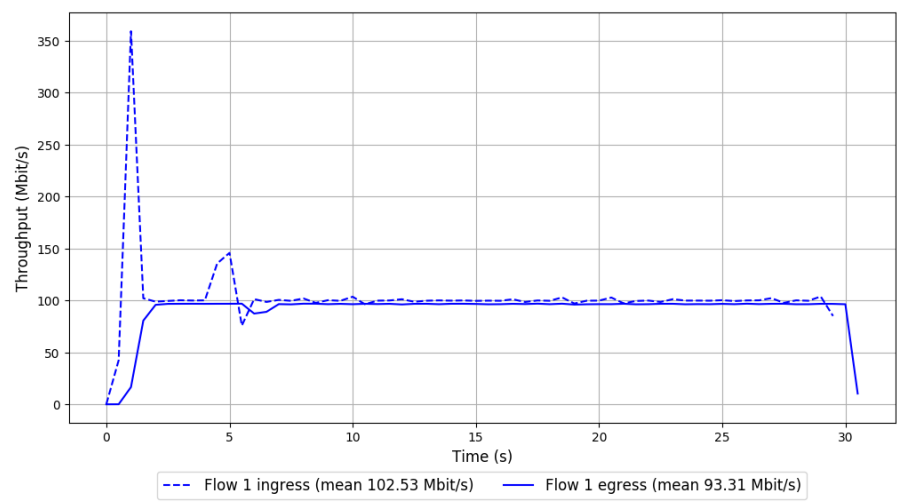
-- Flow 1:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 113.279 ms

Loss rate: 8.92%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-21 20:16:23

End at: 2018-08-21 20:16:53

Local clock offset: -4.532 ms

Remote clock offset: 3.072 ms

# Below is generated by plot.py at 2018-08-21 22:23:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 108.991 ms

Loss rate: 7.56%

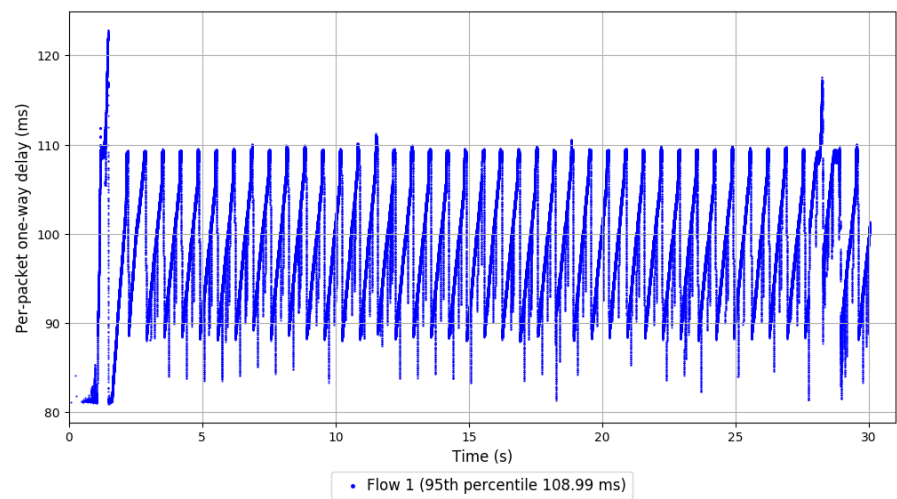
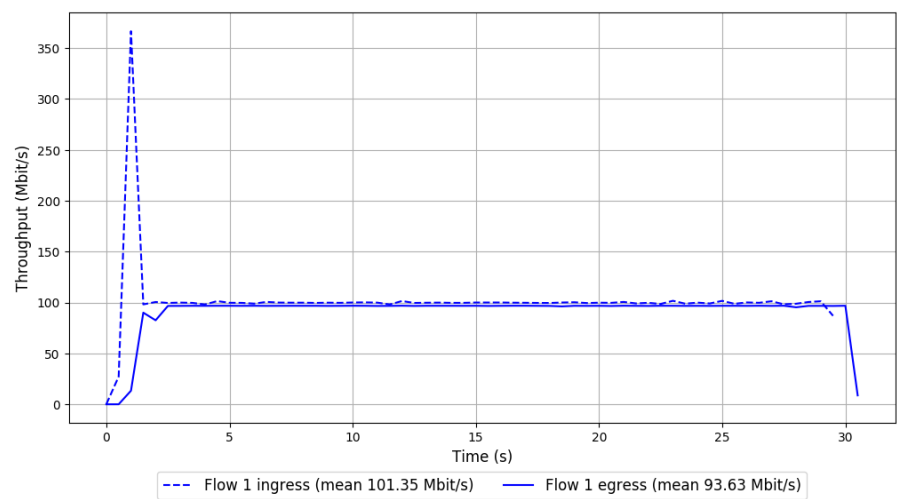
-- Flow 1:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 108.991 ms

Loss rate: 7.56%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

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

End at: 2018-08-21 20:36:47

Local clock offset: -4.159 ms

Remote clock offset: 5.107 ms

# Below is generated by plot.py at 2018-08-21 22:24:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 108.791 ms

Loss rate: 15.07%

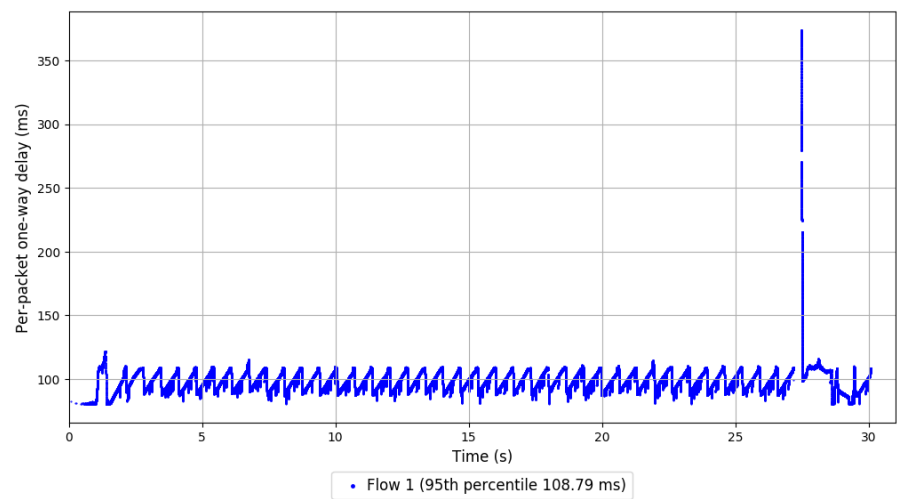
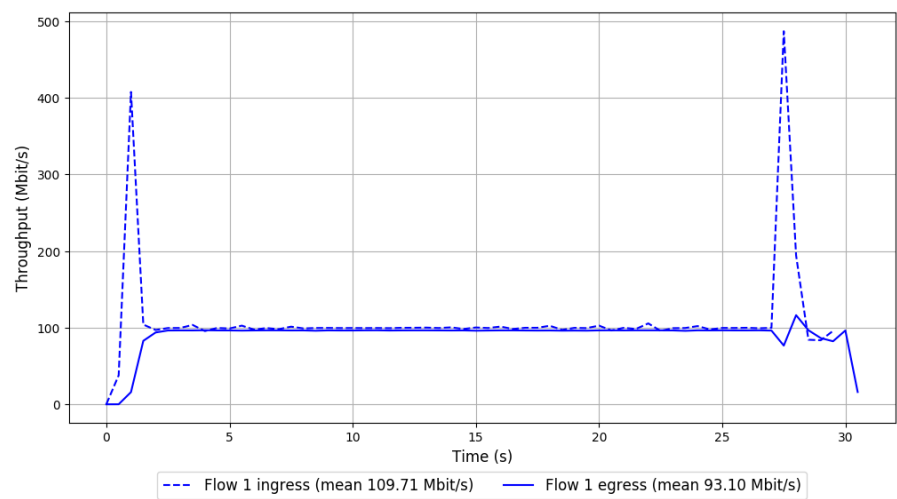
-- Flow 1:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 108.791 ms

Loss rate: 15.07%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-21 20:56:10

End at: 2018-08-21 20:56:40

Local clock offset: -5.338 ms

Remote clock offset: 9.759 ms

# Below is generated by plot.py at 2018-08-21 22:24:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 114.544 ms

Loss rate: 7.78%

-- Flow 1:

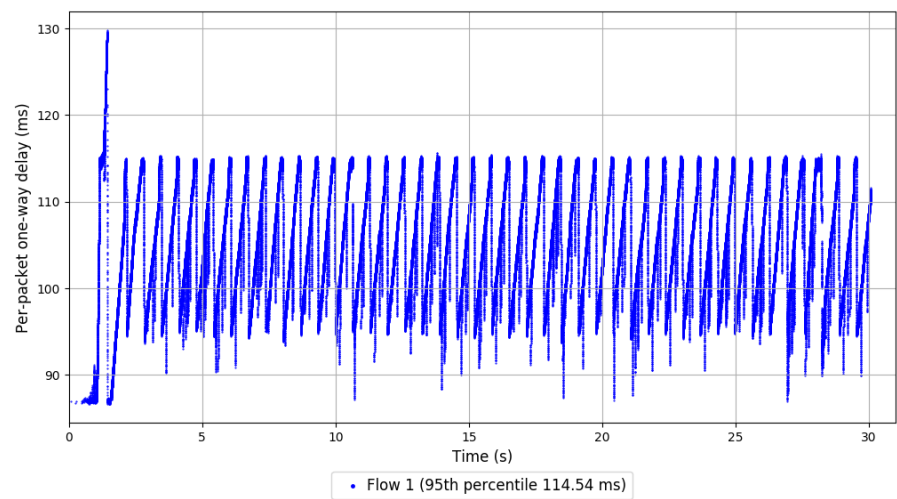
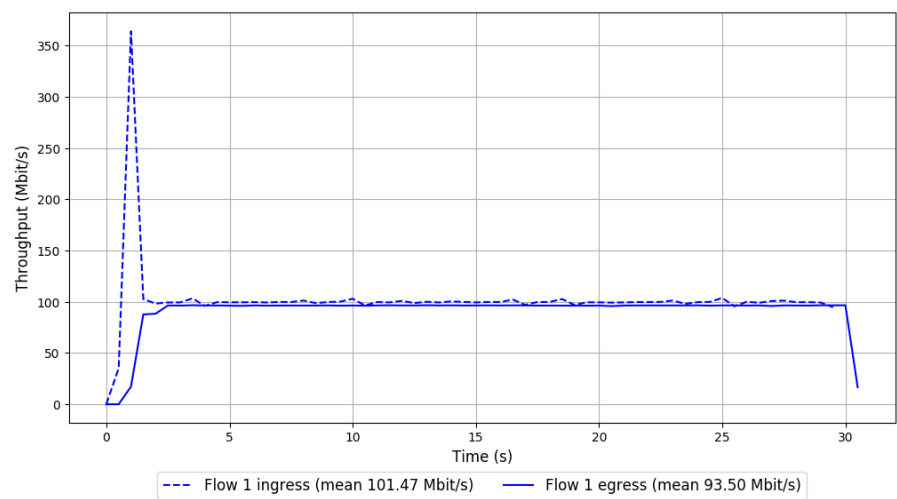
Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 114.544 ms

Loss rate: 7.78%



Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

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

End at: 2018-08-21 21:16:38

Local clock offset: -4.324 ms

Remote clock offset: 4.773 ms

# Below is generated by plot.py at 2018-08-21 22:24:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 110.205 ms

Loss rate: 9.06%

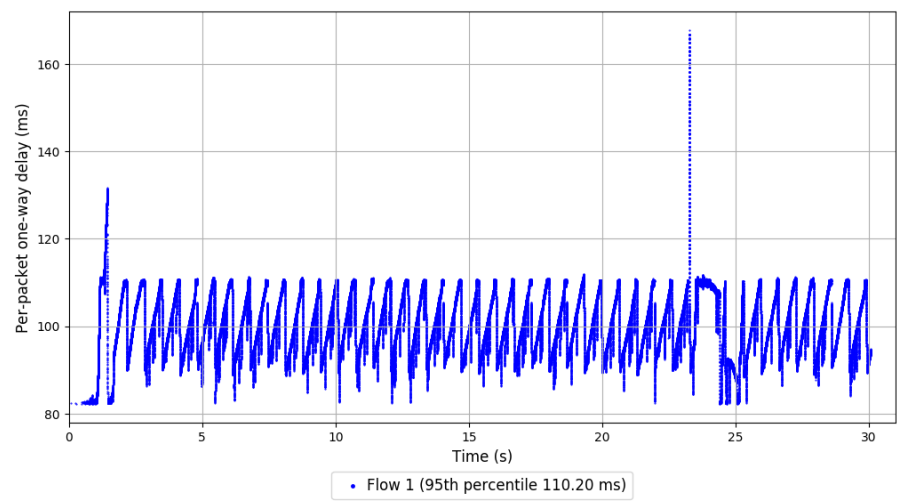
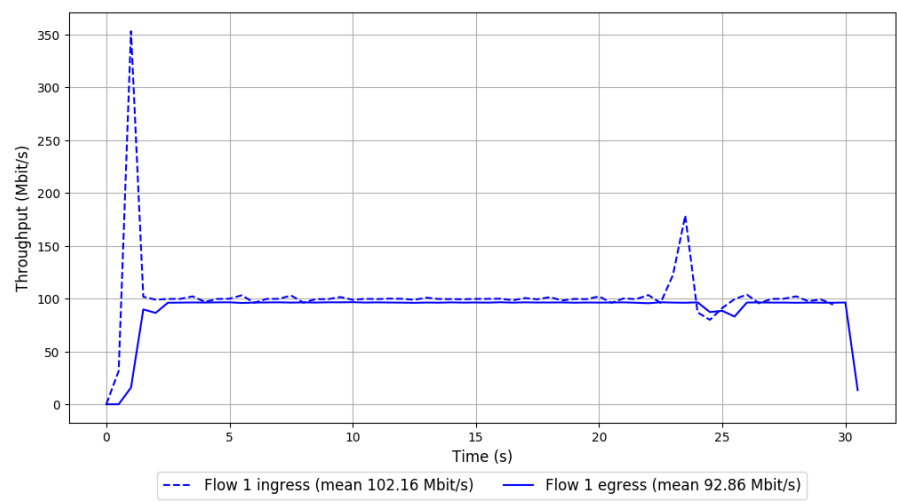
-- Flow 1:

Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 110.205 ms

Loss rate: 9.06%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-21 21:36:06

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

Local clock offset: -5.001 ms

Remote clock offset: 7.875 ms

# Below is generated by plot.py at 2018-08-21 22:24:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 113.661 ms

Loss rate: 7.80%

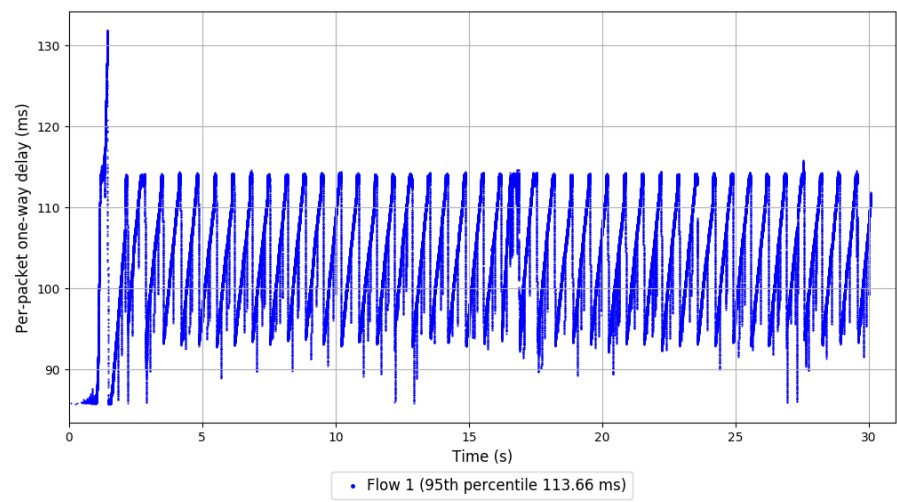
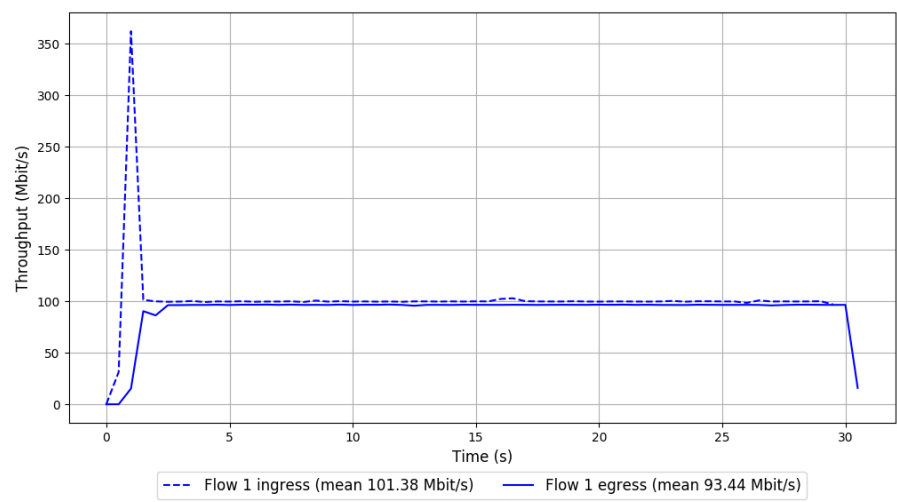
-- Flow 1:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 113.661 ms

Loss rate: 7.80%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-21 21:55:58

End at: 2018-08-21 21:56:28

Local clock offset: -4.971 ms

Remote clock offset: 4.203 ms

# Below is generated by plot.py at 2018-08-21 22:24:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 113.442 ms

Loss rate: 7.60%

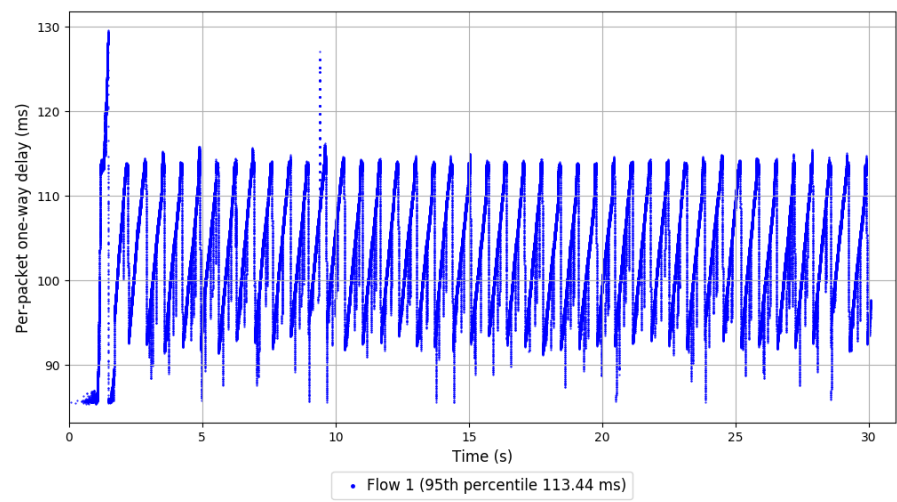
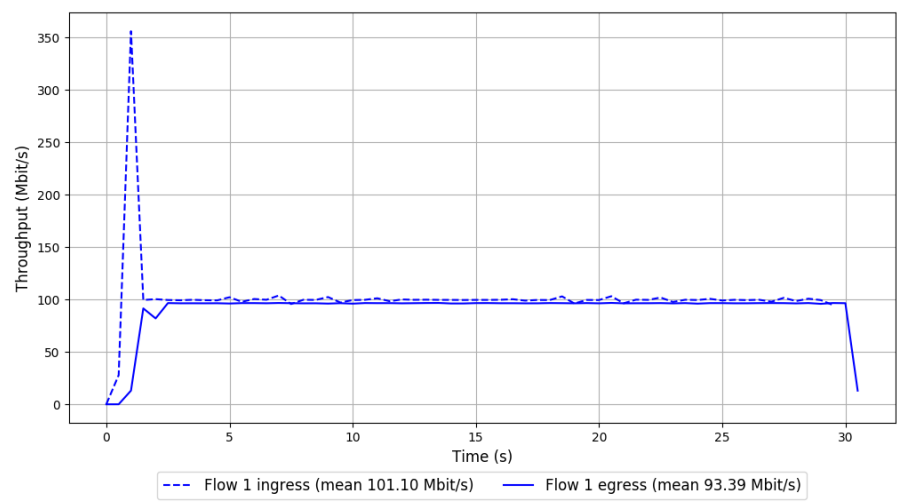
-- Flow 1:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 113.442 ms

Loss rate: 7.60%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-21 18:59:11

End at: 2018-08-21 18:59:41

Local clock offset: -6.472 ms

Remote clock offset: 1.284 ms

# Below is generated by plot.py at 2018-08-21 22:25:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 108.670 ms

Loss rate: 2.37%

-- Flow 1:

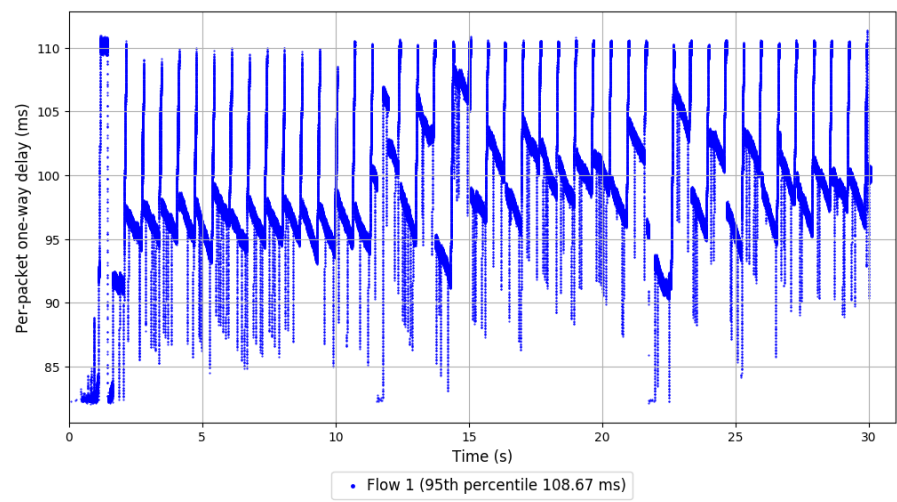
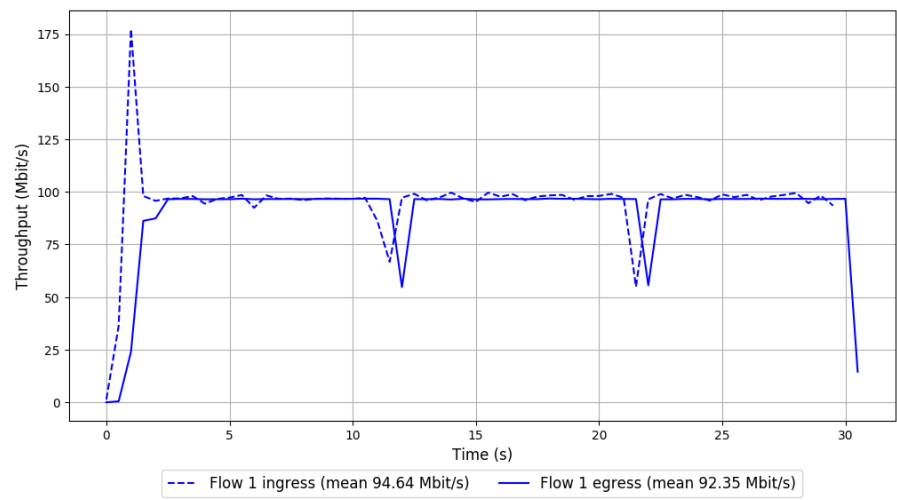
Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 108.670 ms

Loss rate: 2.37%



Run 1: Report of FillP-Sheep — Data Link

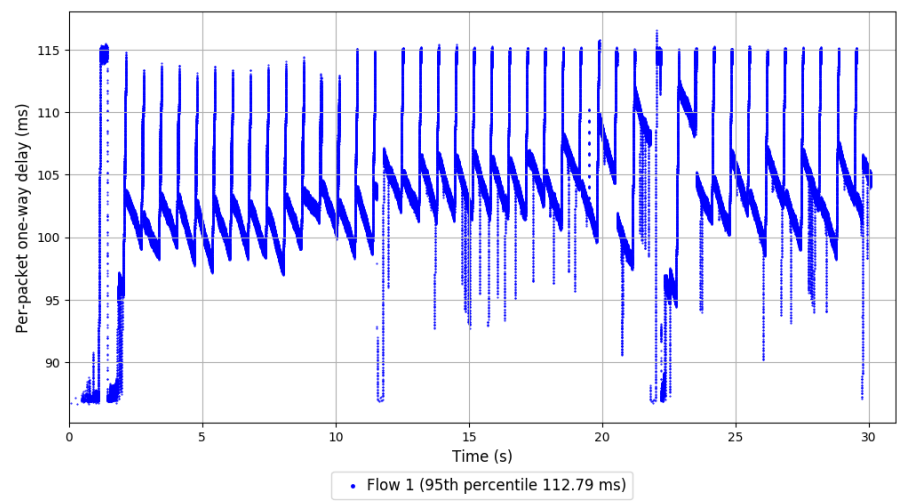
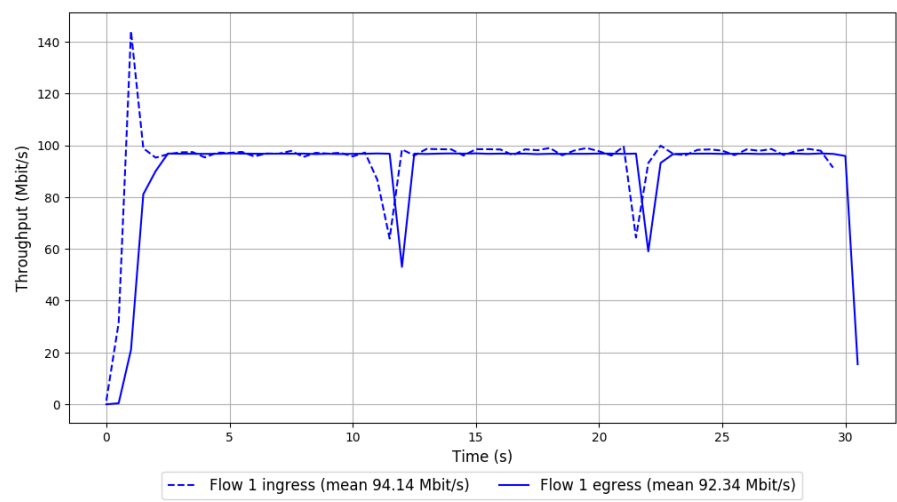


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-21 19:19:10  
End at: 2018-08-21 19:19:40  
Local clock offset: -6.096 ms  
Remote clock offset: 5.443 ms

# Below is generated by plot.py at 2018-08-21 22:25:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.34 Mbit/s  
95th percentile per-packet one-way delay: 112.786 ms  
Loss rate: 1.85%  
-- Flow 1:  
Average throughput: 92.34 Mbit/s  
95th percentile per-packet one-way delay: 112.786 ms  
Loss rate: 1.85%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-21 19:39:01

End at: 2018-08-21 19:39:31

Local clock offset: -5.397 ms

Remote clock offset: 5.42 ms

# Below is generated by plot.py at 2018-08-21 22:25:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 113.059 ms

Loss rate: 2.09%

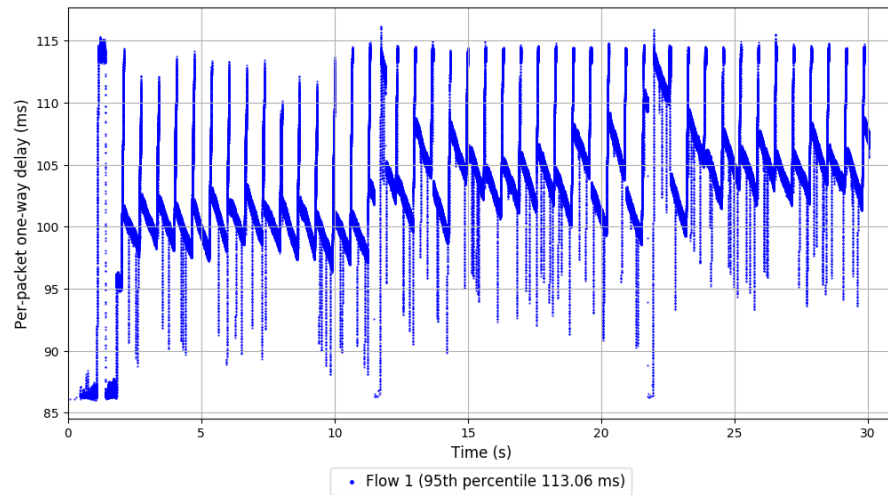
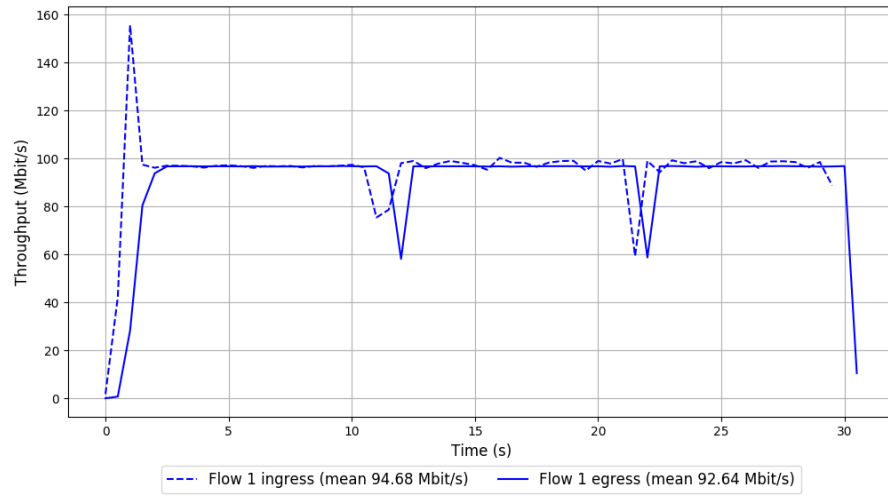
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 113.059 ms

Loss rate: 2.09%

### Run 3: Report of FillP-Sheep — Data Link

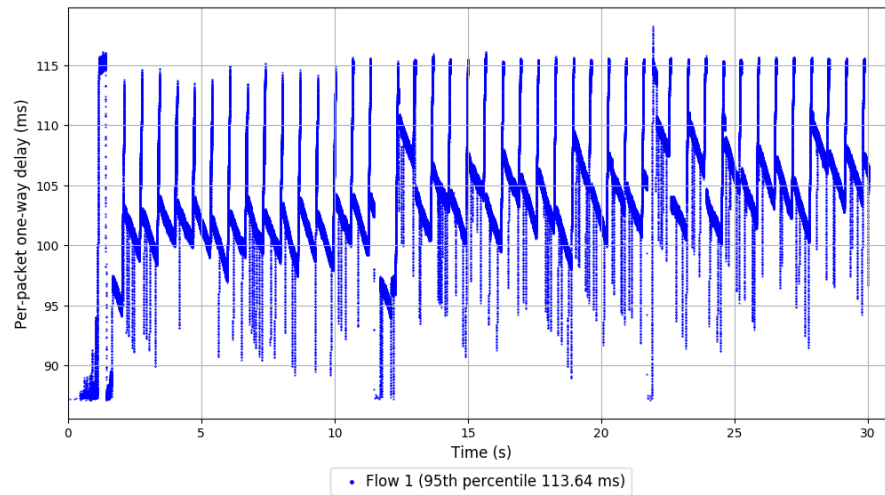
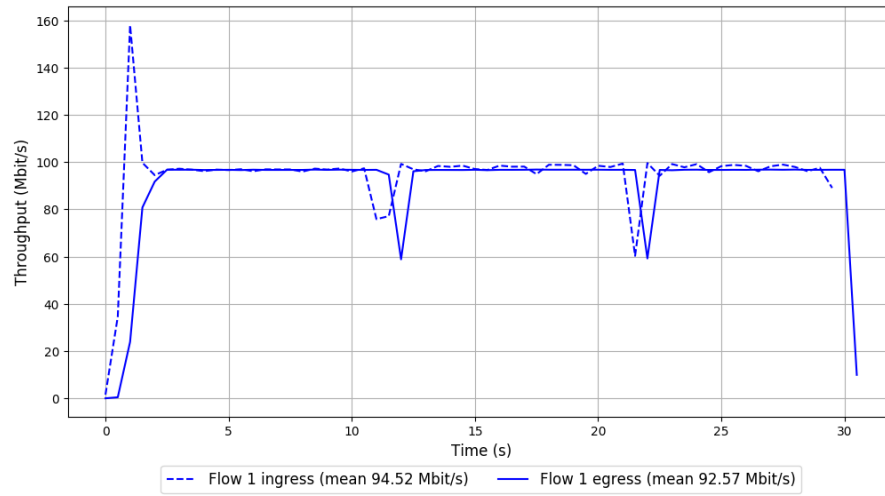


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-21 19:58:53  
End at: 2018-08-21 19:59:23  
Local clock offset: -5.135 ms  
Remote clock offset: 8.571 ms

# Below is generated by plot.py at 2018-08-21 22:25:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.57 Mbit/s  
95th percentile per-packet one-way delay: 113.636 ms  
Loss rate: 2.01%  
-- Flow 1:  
Average throughput: 92.57 Mbit/s  
95th percentile per-packet one-way delay: 113.636 ms  
Loss rate: 2.01%

#### Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-21 20:18:42

End at: 2018-08-21 20:19:12

Local clock offset: -5.112 ms

Remote clock offset: 7.141 ms

# Below is generated by plot.py at 2018-08-21 22:25:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 111.275 ms

Loss rate: 2.41%

-- Flow 1:

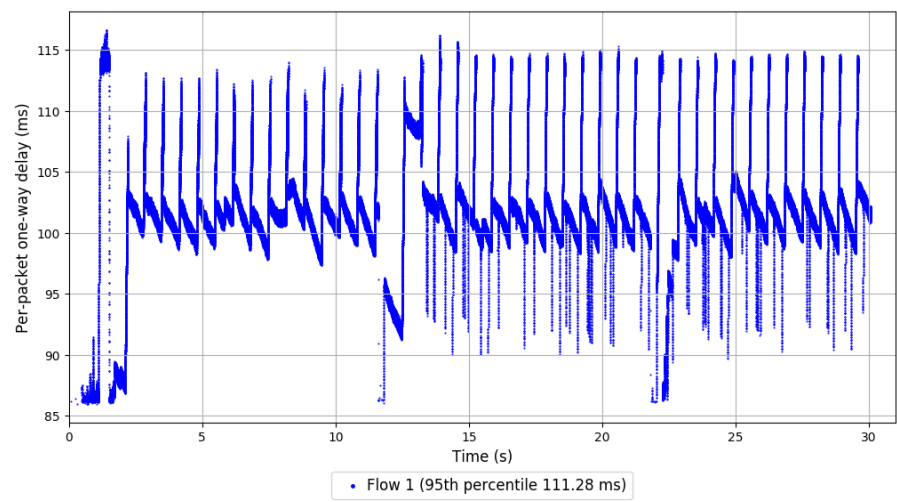
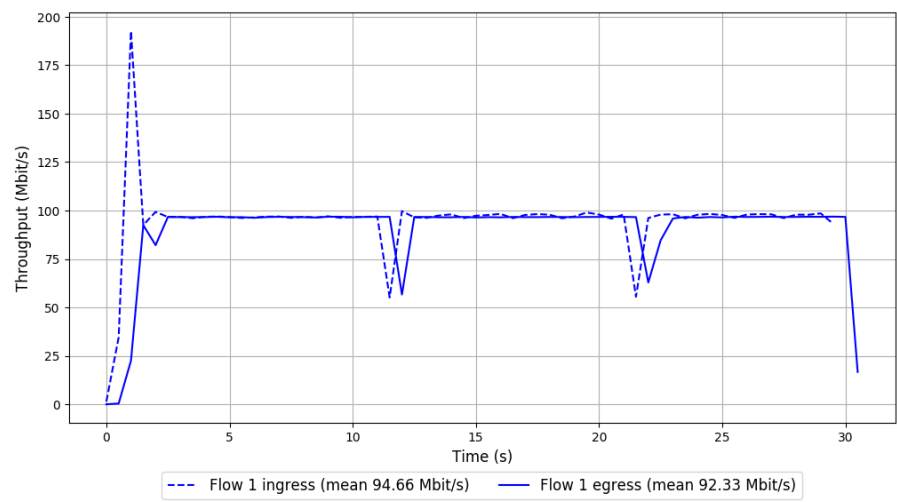
Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 111.275 ms

Loss rate: 2.41%



Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-21 20:38:37

End at: 2018-08-21 20:39:07

Local clock offset: -3.439 ms

Remote clock offset: 8.035 ms

# Below is generated by plot.py at 2018-08-21 22:25:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 112.586 ms

Loss rate: 2.15%

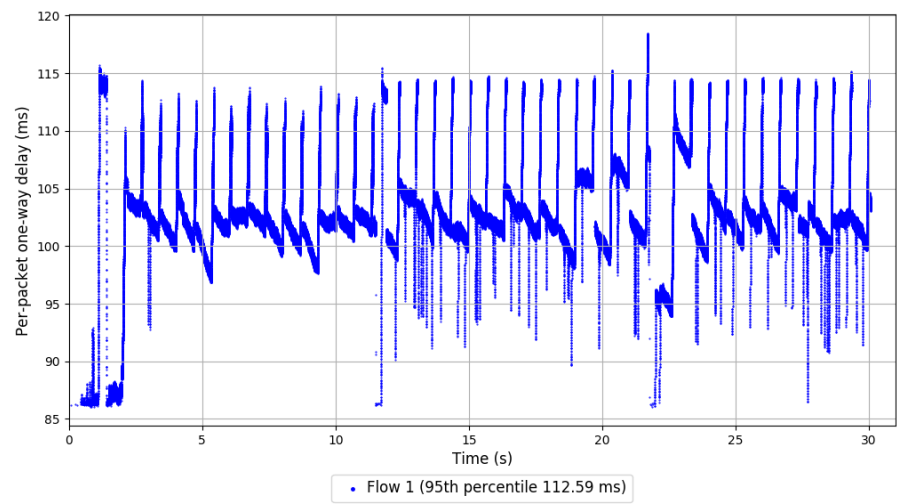
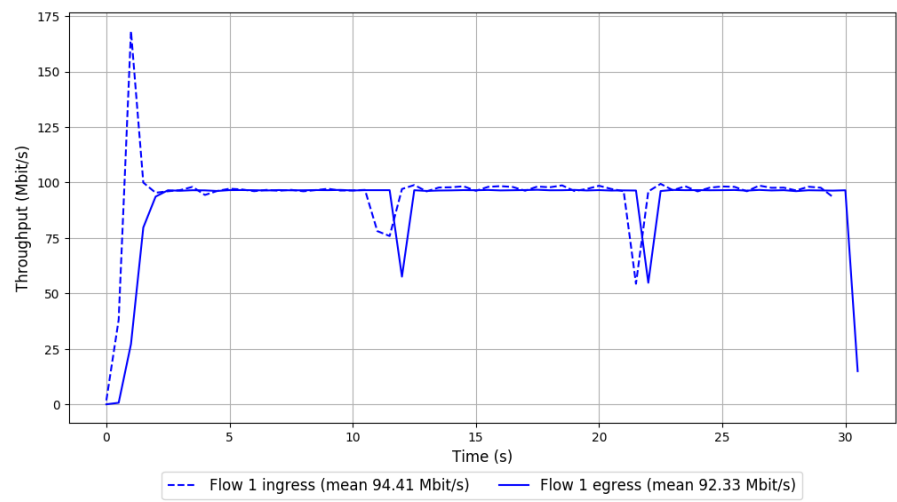
-- Flow 1:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 112.586 ms

Loss rate: 2.15%

Run 6: Report of FillP-Sheep — Data Link

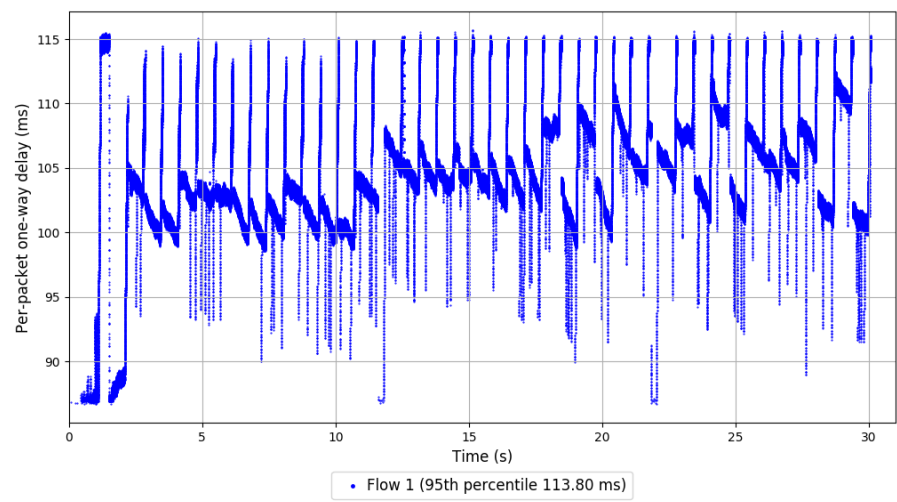
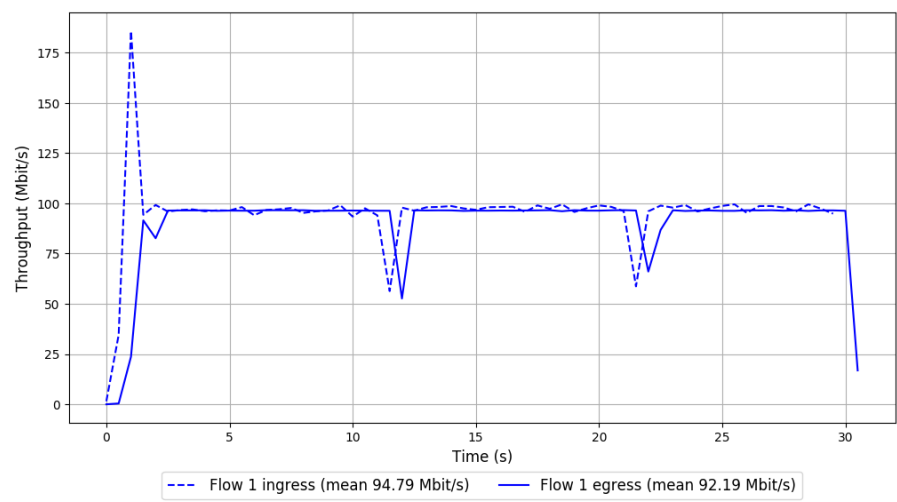


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-21 20:58:36  
End at: 2018-08-21 20:59:06  
Local clock offset: -4.617 ms  
Remote clock offset: 8.671 ms

# Below is generated by plot.py at 2018-08-21 22:26:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.19 Mbit/s  
95th percentile per-packet one-way delay: 113.799 ms  
Loss rate: 2.66%  
-- Flow 1:  
Average throughput: 92.19 Mbit/s  
95th percentile per-packet one-way delay: 113.799 ms  
Loss rate: 2.66%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-21 21:18:34

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

Local clock offset: -5.116 ms

Remote clock offset: 8.596 ms

# Below is generated by plot.py at 2018-08-21 22:26:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 112.148 ms

Loss rate: 2.16%

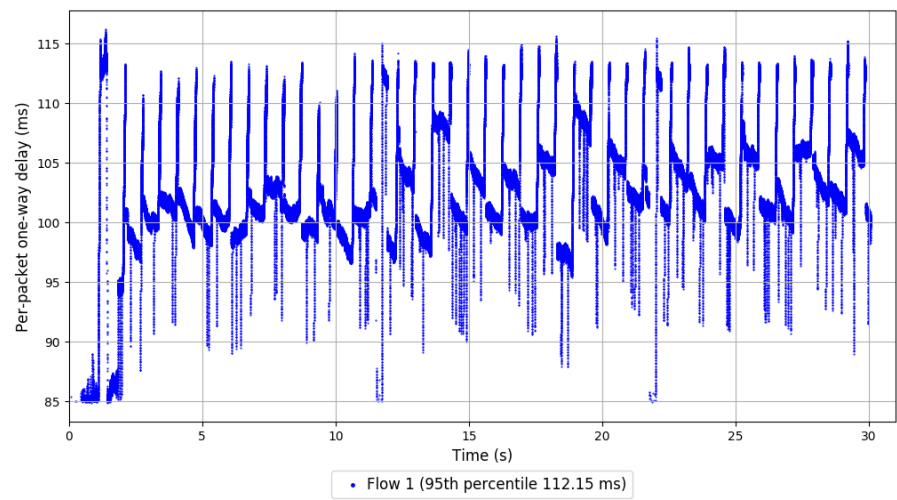
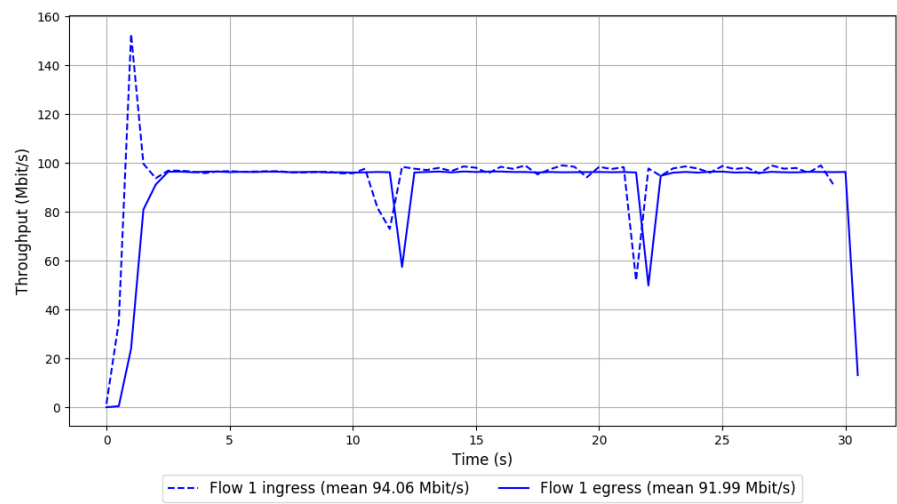
-- Flow 1:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 112.148 ms

Loss rate: 2.16%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-21 21:38:26

End at: 2018-08-21 21:38:56

Local clock offset: -4.928 ms

Remote clock offset: 5.098 ms

# Below is generated by plot.py at 2018-08-21 22:26:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 108.901 ms

Loss rate: 3.07%

-- Flow 1:

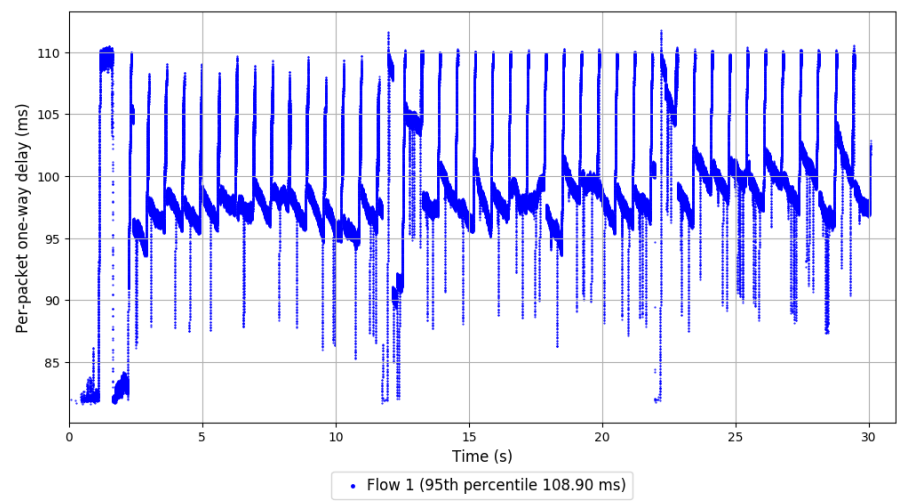
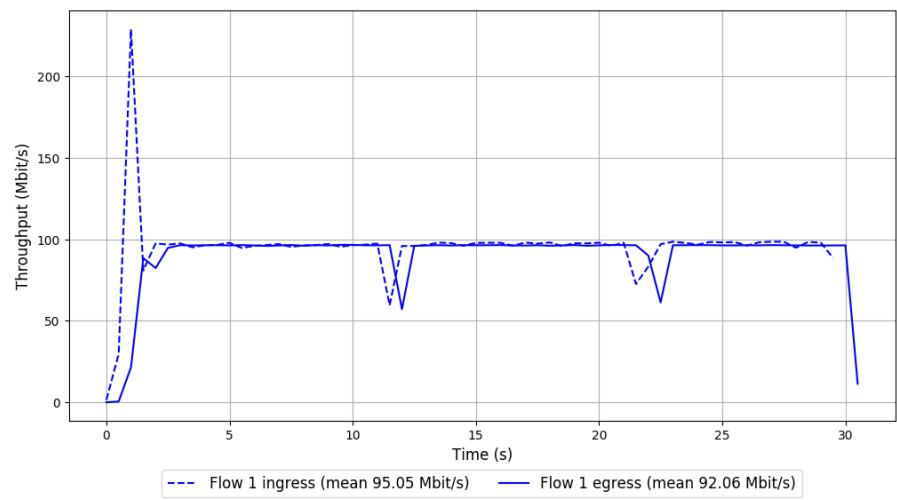
Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 108.901 ms

Loss rate: 3.07%



Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-21 21:58:21

End at: 2018-08-21 21:58:51

Local clock offset: -4.237 ms

Remote clock offset: 6.073 ms

# Below is generated by plot.py at 2018-08-21 22:26:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 109.572 ms

Loss rate: 3.16%

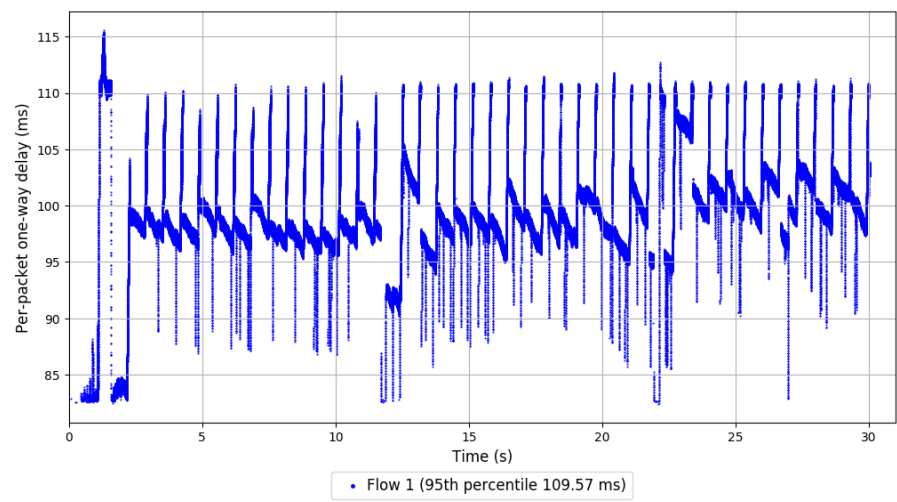
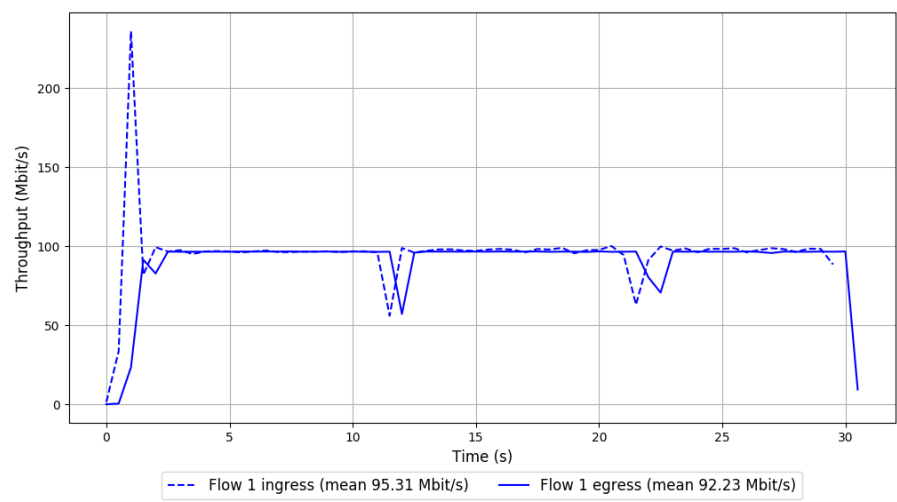
-- Flow 1:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 109.572 ms

Loss rate: 3.16%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-21 19:07:27

End at: 2018-08-21 19:07:57

Local clock offset: -7.392 ms

Remote clock offset: 5.25 ms

# Below is generated by plot.py at 2018-08-21 22:26:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 96.715 ms

Loss rate: 0.87%

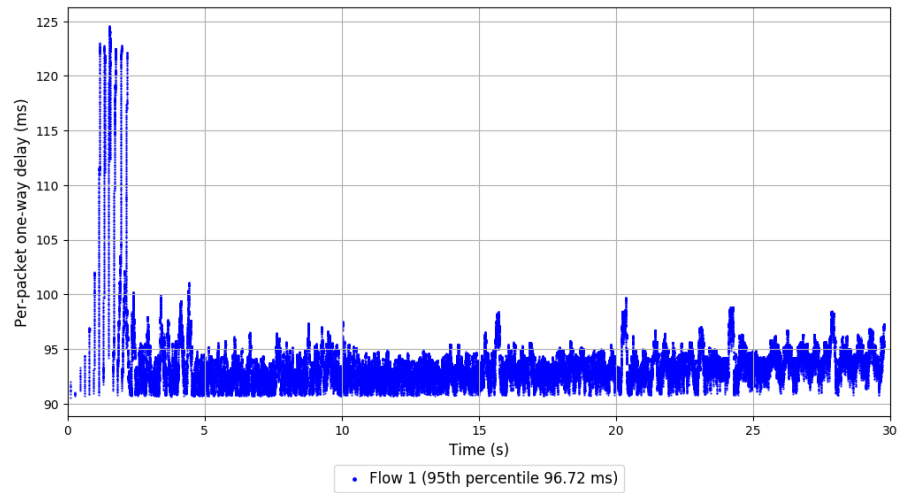
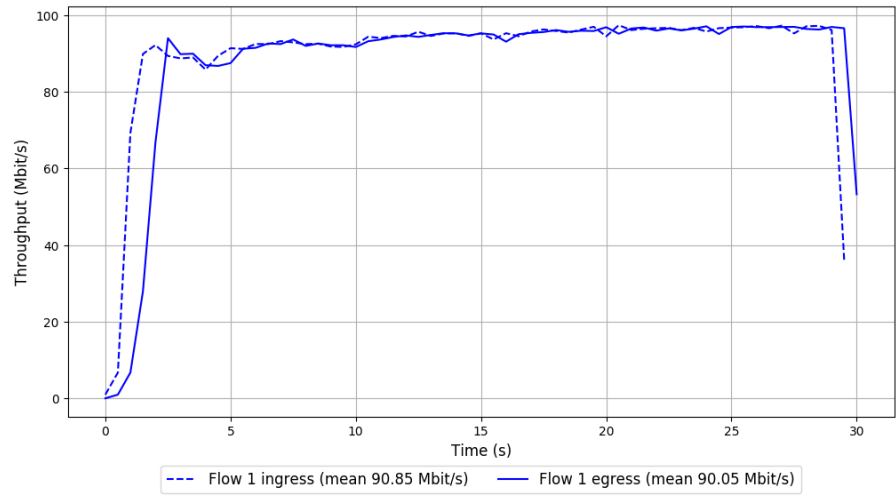
-- Flow 1:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 96.715 ms

Loss rate: 0.87%

## Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-21 19:27:23

End at: 2018-08-21 19:27:53

Local clock offset: -6.057 ms

Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2018-08-21 22:26:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.86 Mbit/s

95th percentile per-packet one-way delay: 88.975 ms

Loss rate: 1.03%

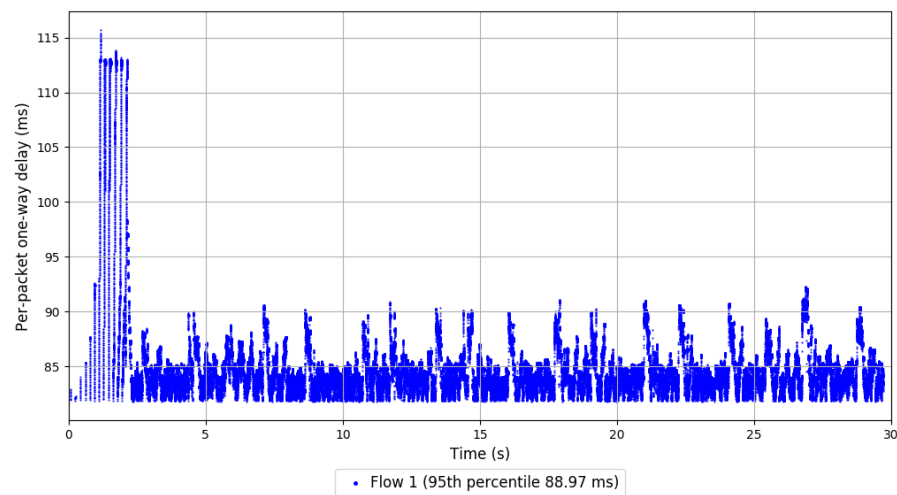
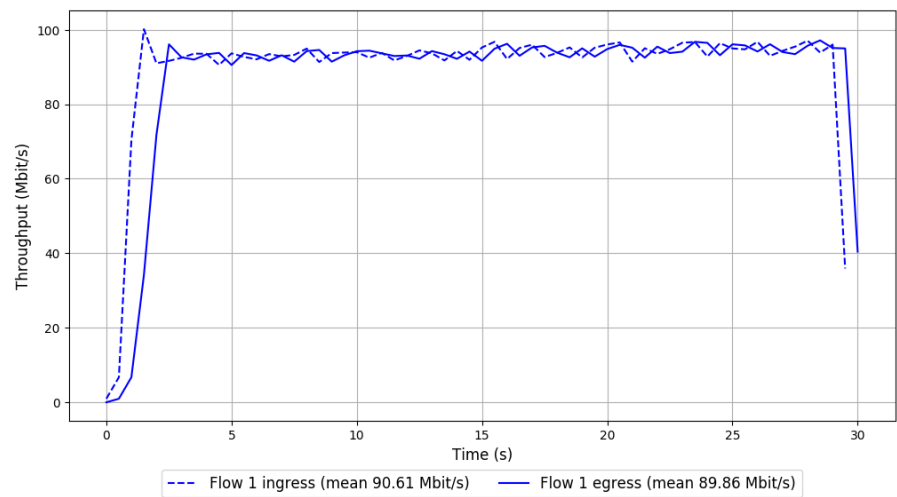
-- Flow 1:

Average throughput: 89.86 Mbit/s

95th percentile per-packet one-way delay: 88.975 ms

Loss rate: 1.03%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-21 19:47:13

End at: 2018-08-21 19:47:43

Local clock offset: -4.305 ms

Remote clock offset: 7.721 ms

# Below is generated by plot.py at 2018-08-21 22:26:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 92.698 ms

Loss rate: 0.77%

-- Flow 1:

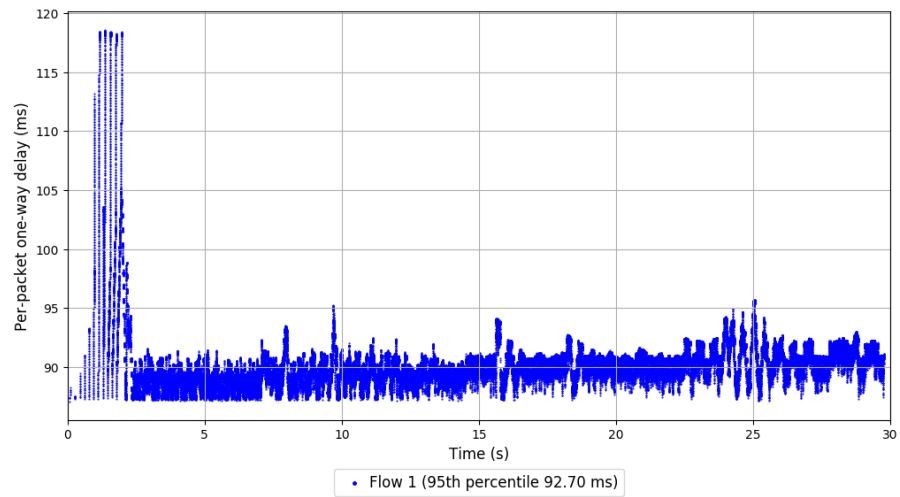
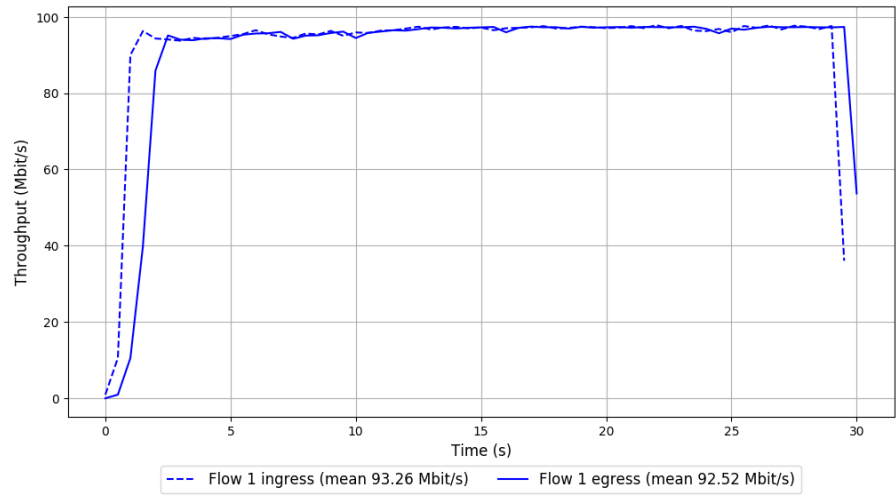
Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 92.698 ms

Loss rate: 0.77%



### Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-21 20:07:03

End at: 2018-08-21 20:07:33

Local clock offset: -6.03 ms

Remote clock offset: 6.636 ms

# Below is generated by plot.py at 2018-08-21 22:26:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 91.239 ms

Loss rate: 0.79%

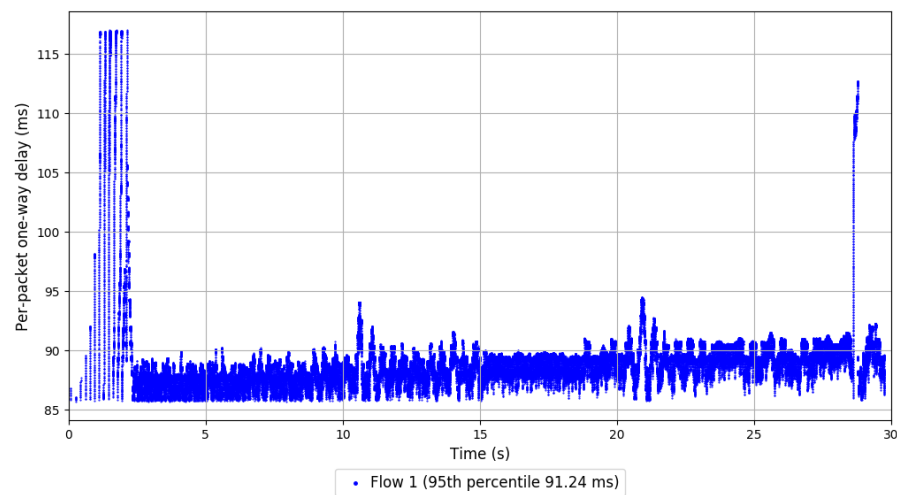
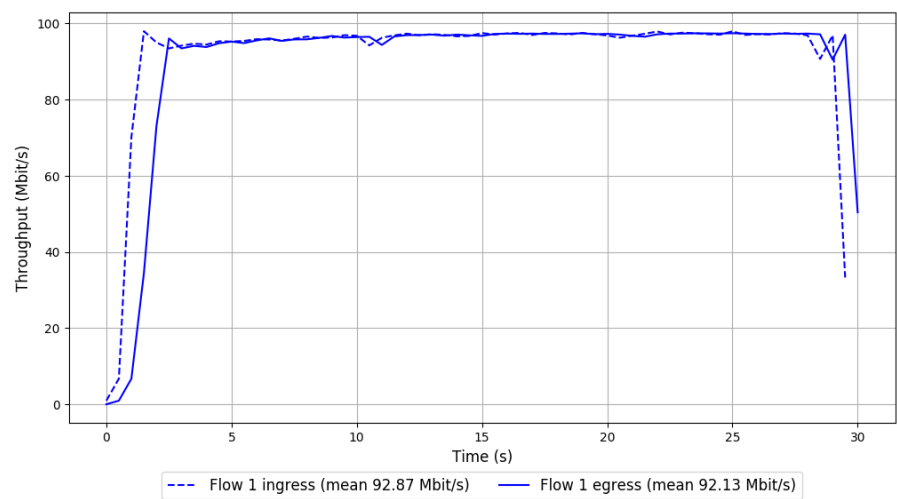
-- Flow 1:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 91.239 ms

Loss rate: 0.79%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-21 20:26:59

End at: 2018-08-21 20:27:29

Local clock offset: -4.192 ms

Remote clock offset: 8.529 ms

# Below is generated by plot.py at 2018-08-21 22:27:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 0.77%

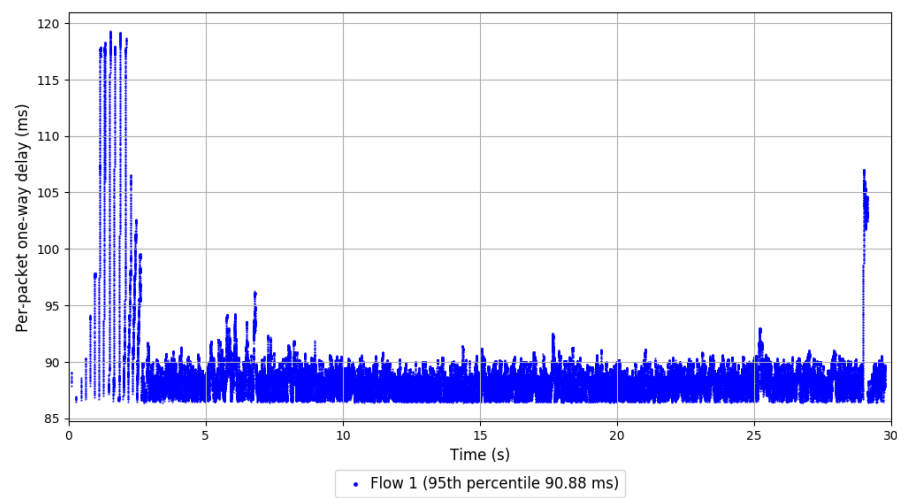
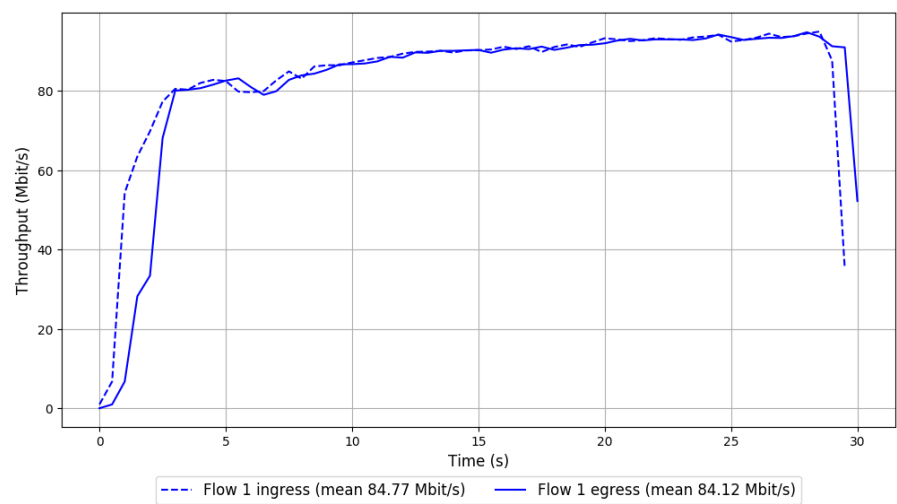
-- Flow 1:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 90.875 ms

Loss rate: 0.77%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-21 20:46:50

End at: 2018-08-21 20:47:21

Local clock offset: -5.193 ms

Remote clock offset: 4.21 ms

# Below is generated by plot.py at 2018-08-21 22:27:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 85.569 ms

Loss rate: 1.13%

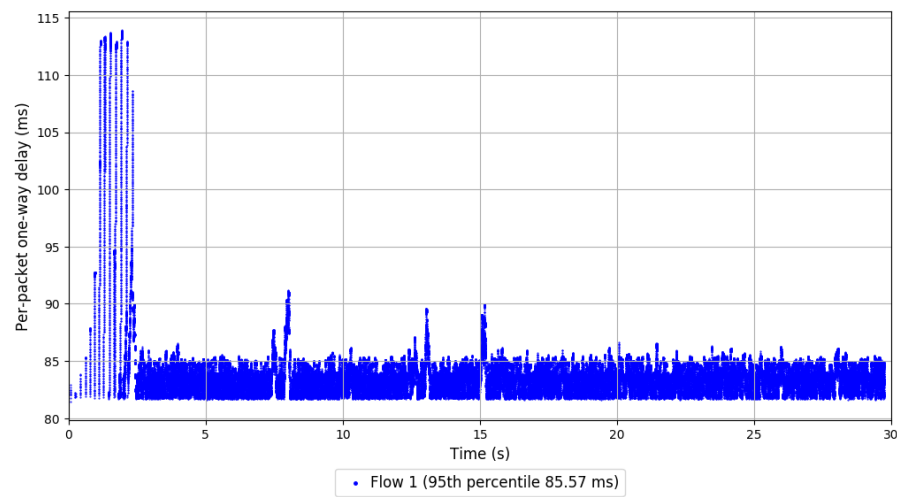
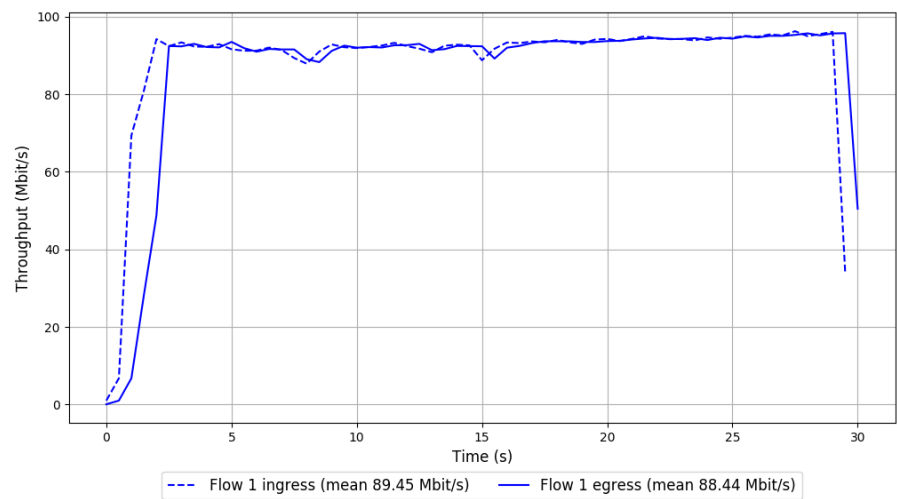
-- Flow 1:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 85.569 ms

Loss rate: 1.13%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-21 21:06:50

End at: 2018-08-21 21:07:20

Local clock offset: -4.716 ms

Remote clock offset: 4.713 ms

# Below is generated by plot.py at 2018-08-21 22:27:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 92.488 ms

Loss rate: 1.18%

-- Flow 1:

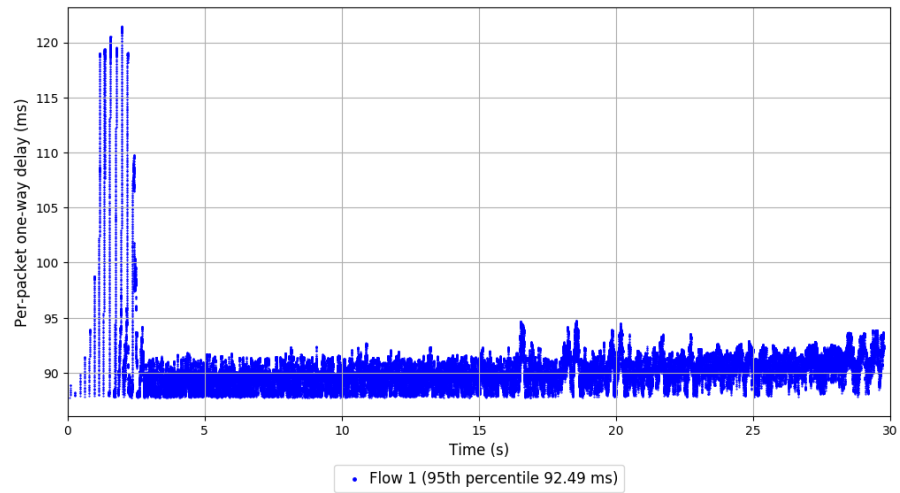
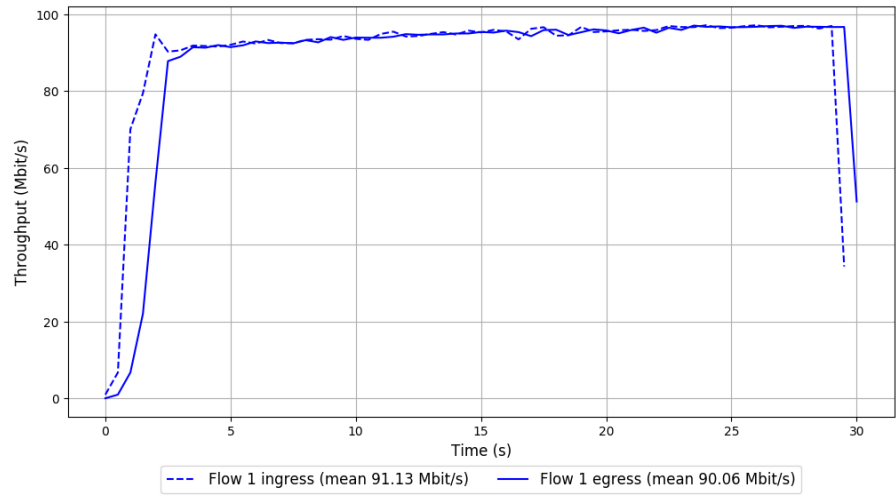
Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 92.488 ms

Loss rate: 1.18%



## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-21 21:26:47

End at: 2018-08-21 21:27:17

Local clock offset: -4.282 ms

Remote clock offset: 8.769 ms

# Below is generated by plot.py at 2018-08-21 22:27:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.64 Mbit/s

95th percentile per-packet one-way delay: 91.107 ms

Loss rate: 0.85%

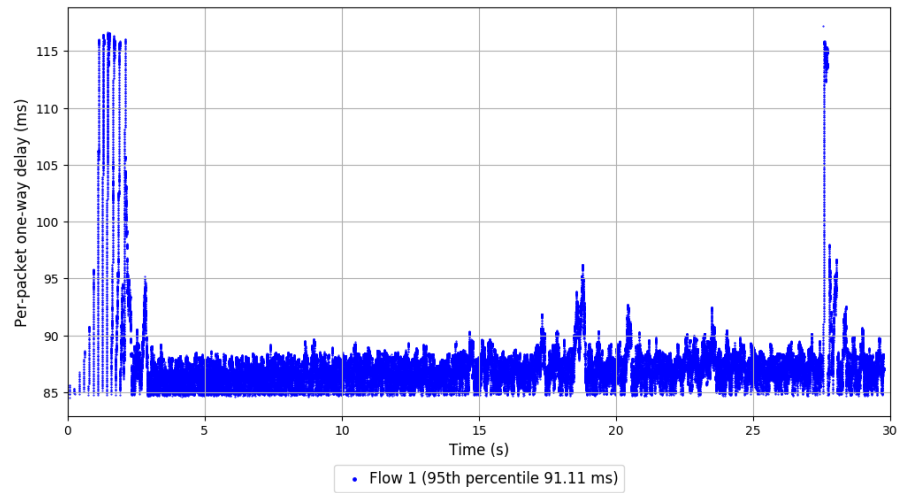
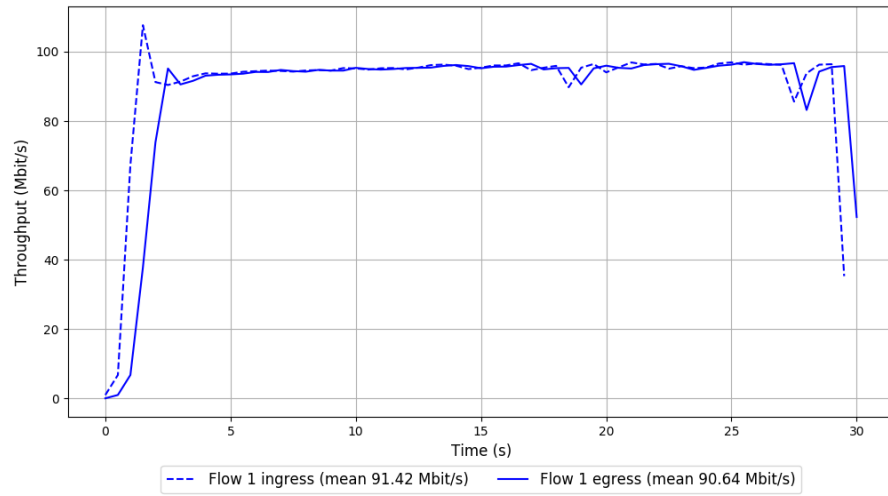
-- Flow 1:

Average throughput: 90.64 Mbit/s

95th percentile per-packet one-way delay: 91.107 ms

Loss rate: 0.85%

## Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-21 21:46:39

End at: 2018-08-21 21:47:09

Local clock offset: -4.952 ms

Remote clock offset: 5.137 ms

# Below is generated by plot.py at 2018-08-21 22:27:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 85.880 ms

Loss rate: 0.49%

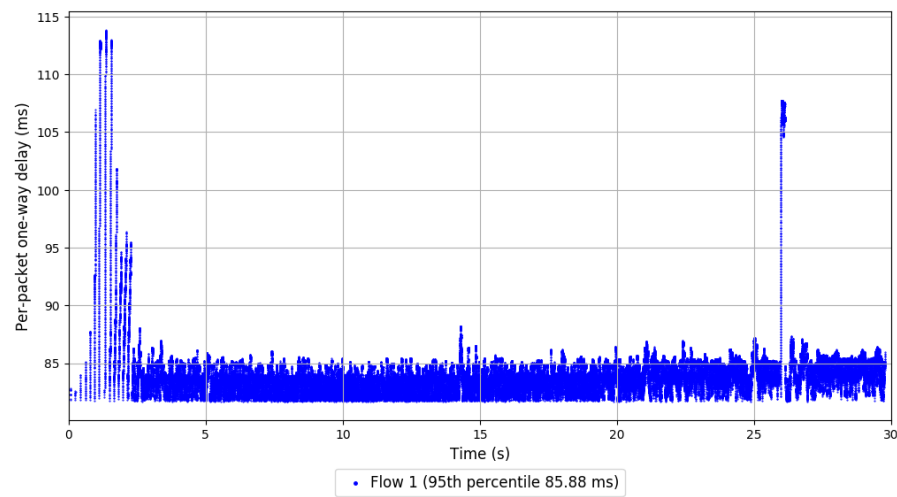
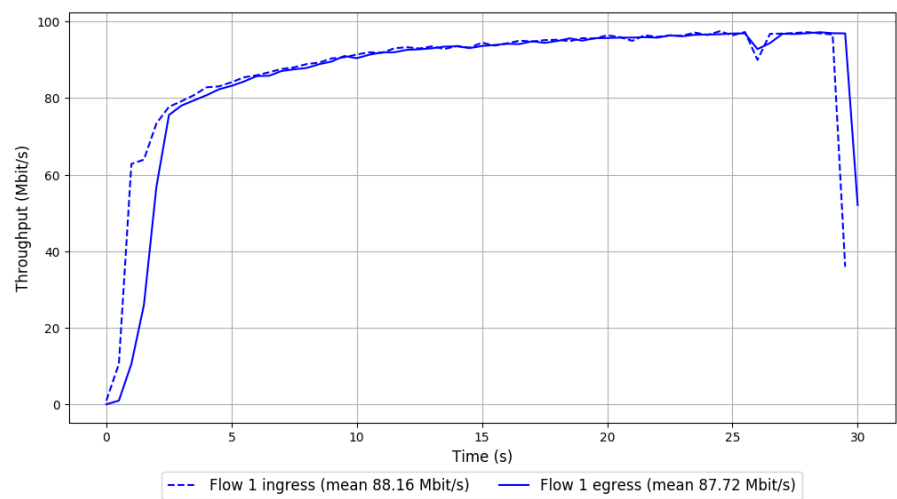
-- Flow 1:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 85.880 ms

Loss rate: 0.49%

Run 9: Report of Indigo — Data Link

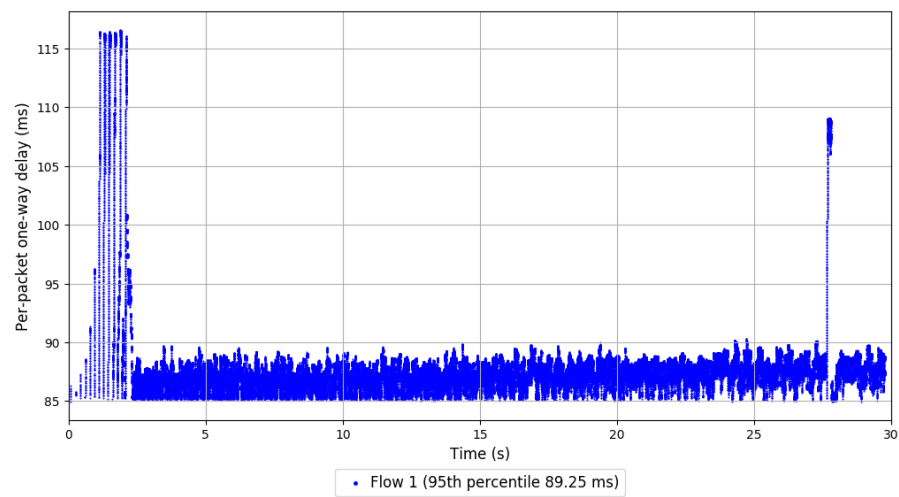
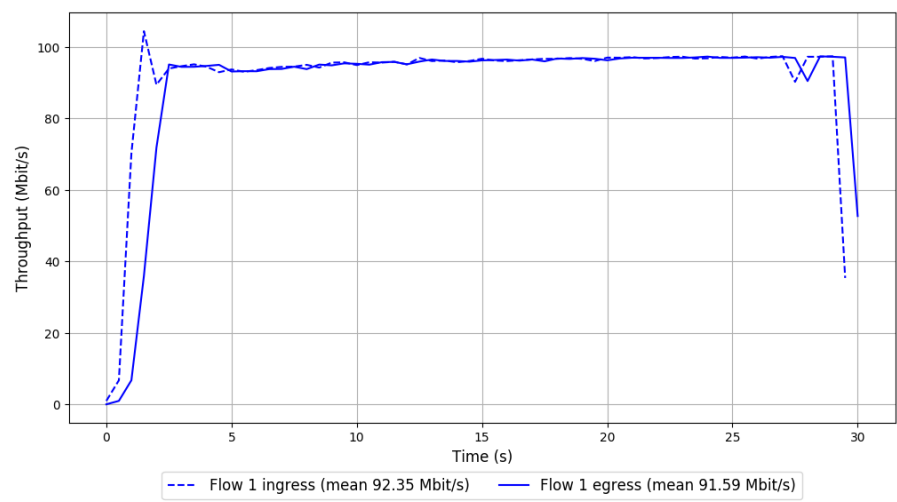


Run 10: Statistics of Indigo

Start at: 2018-08-21 22:06:32  
End at: 2018-08-21 22:07:02  
Local clock offset: -3.454 ms  
Remote clock offset: 12.291 ms

# Below is generated by plot.py at 2018-08-21 22:27:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.59 Mbit/s  
95th percentile per-packet one-way delay: 89.245 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 91.59 Mbit/s  
95th percentile per-packet one-way delay: 89.245 ms  
Loss rate: 0.82%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-08-21 19:03:57

End at: 2018-08-21 19:04:27

Local clock offset: -7.38 ms

Remote clock offset: 5.084 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 87.011 ms

Loss rate: 0.00%

-- Flow 1:

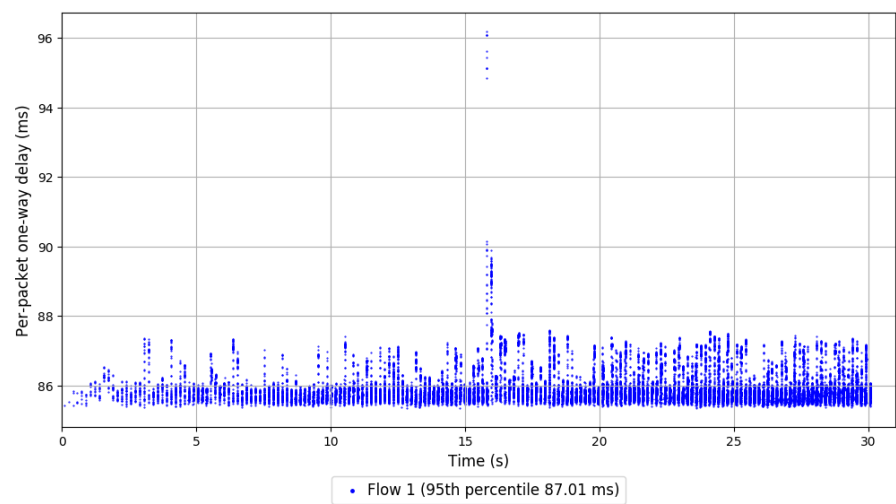
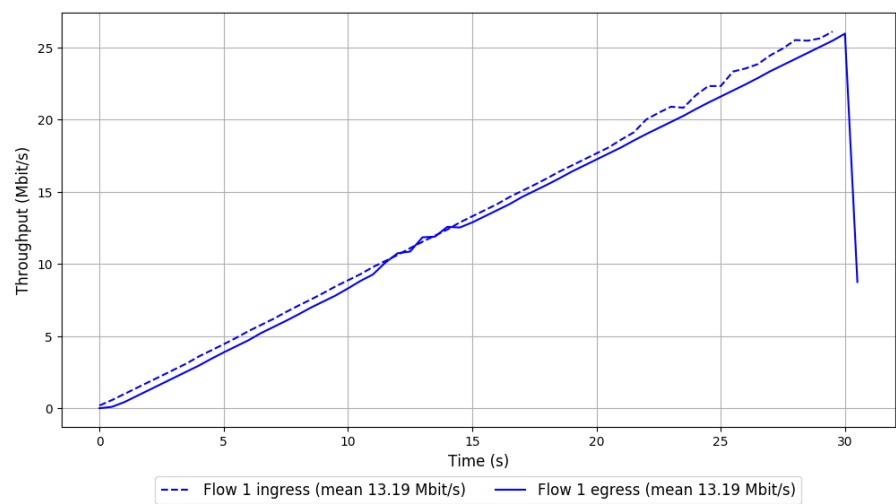
Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 87.011 ms

Loss rate: 0.00%



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-21 19:23:55

End at: 2018-08-21 19:24:25

Local clock offset: -5.257 ms

Remote clock offset: 4.412 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 84.994 ms

Loss rate: 0.00%

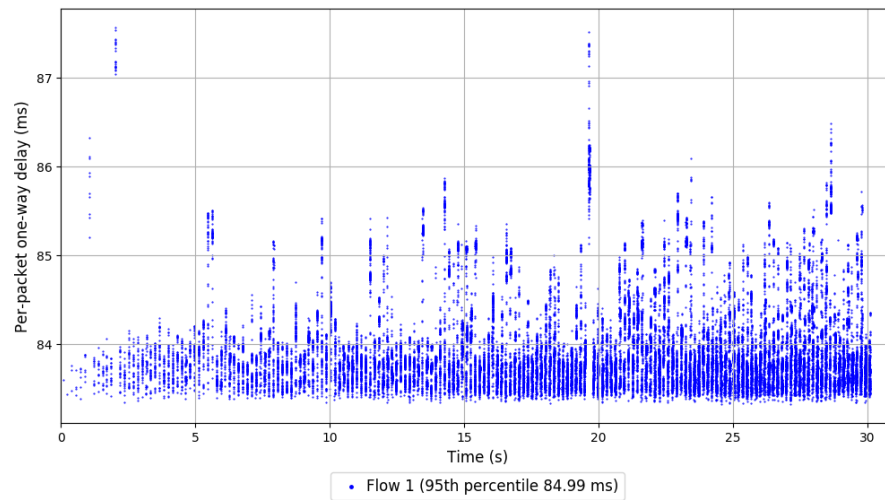
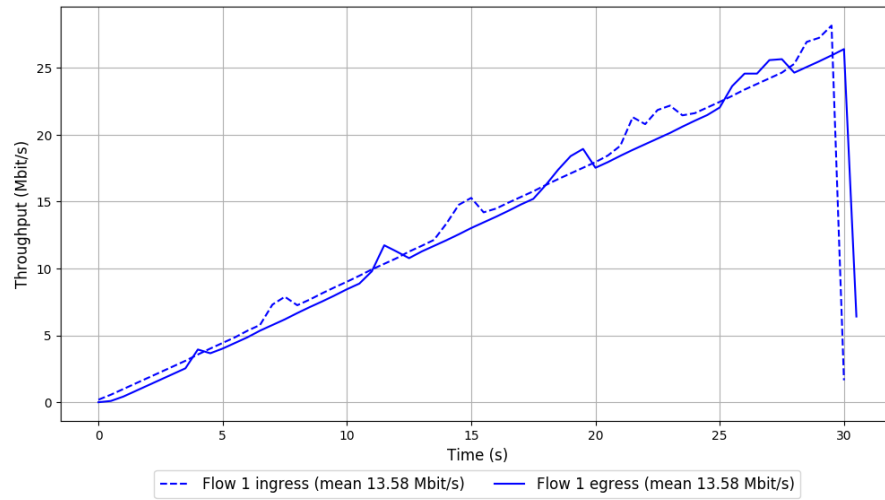
-- Flow 1:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 84.994 ms

Loss rate: 0.00%

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-21 19:43:45

End at: 2018-08-21 19:44:15

Local clock offset: -5.922 ms

Remote clock offset: 1.051 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.23 Mbit/s

95th percentile per-packet one-way delay: 88.382 ms

Loss rate: 0.00%

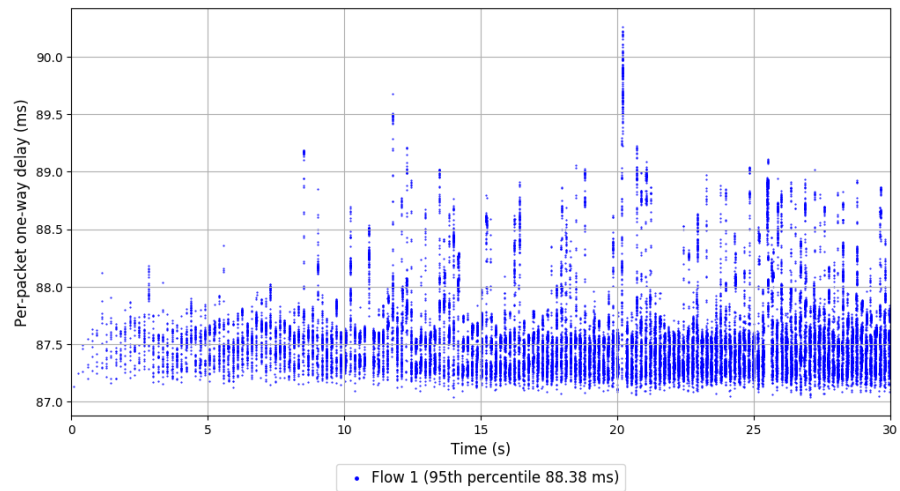
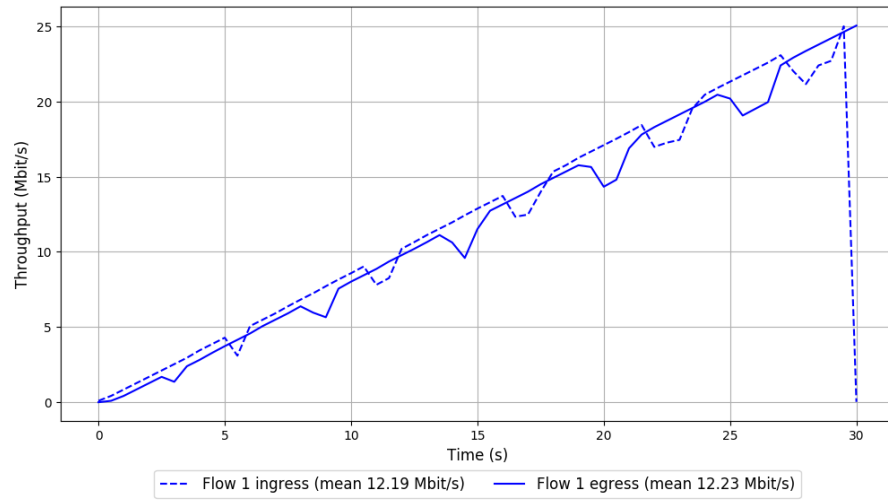
-- Flow 1:

Average throughput: 12.23 Mbit/s

95th percentile per-packet one-way delay: 88.382 ms

Loss rate: 0.00%

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-21 20:03:37

End at: 2018-08-21 20:04:07

Local clock offset: -6.024 ms

Remote clock offset: 6.581 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 87.535 ms

Loss rate: 0.00%

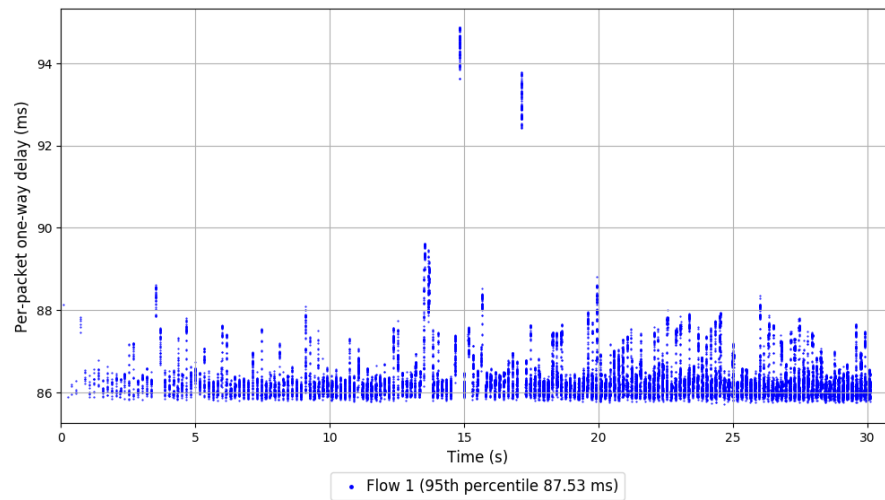
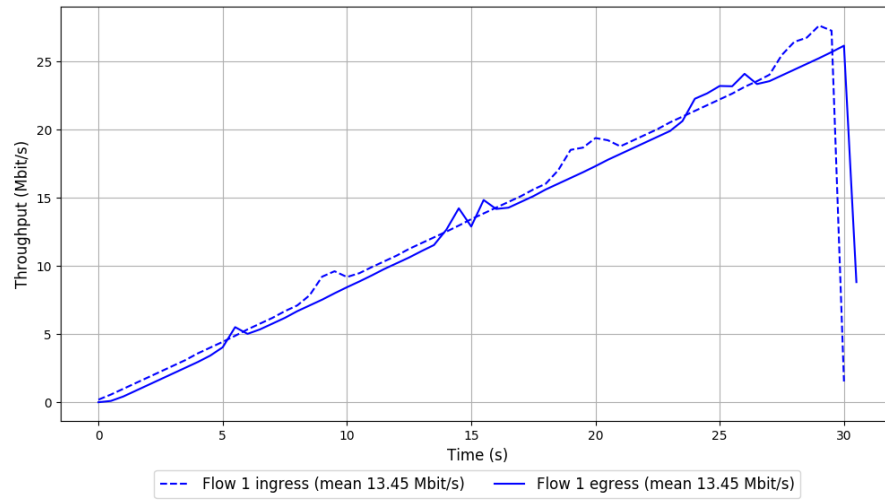
-- Flow 1:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 87.535 ms

Loss rate: 0.00%

#### Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-21 20:23:30

End at: 2018-08-21 20:24:00

Local clock offset: -5.081 ms

Remote clock offset: 4.56 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 88.951 ms

Loss rate: 0.00%

-- Flow 1:

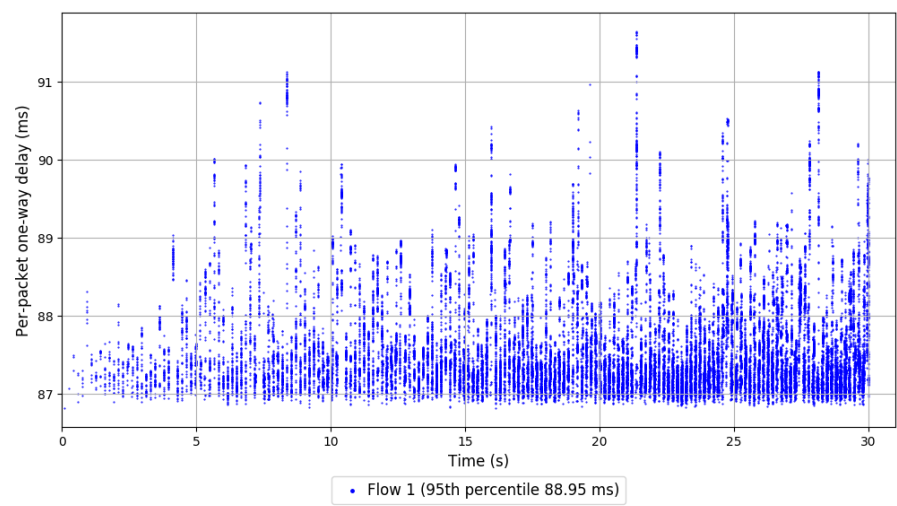
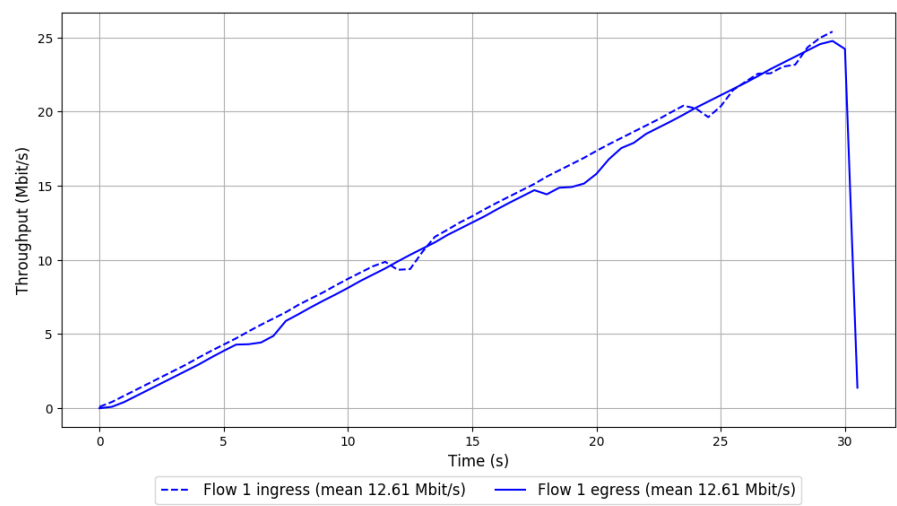
Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 88.951 ms

Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-21 20:43:22

End at: 2018-08-21 20:43:52

Local clock offset: -5.175 ms

Remote clock offset: 5.256 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 84.523 ms

Loss rate: 0.00%

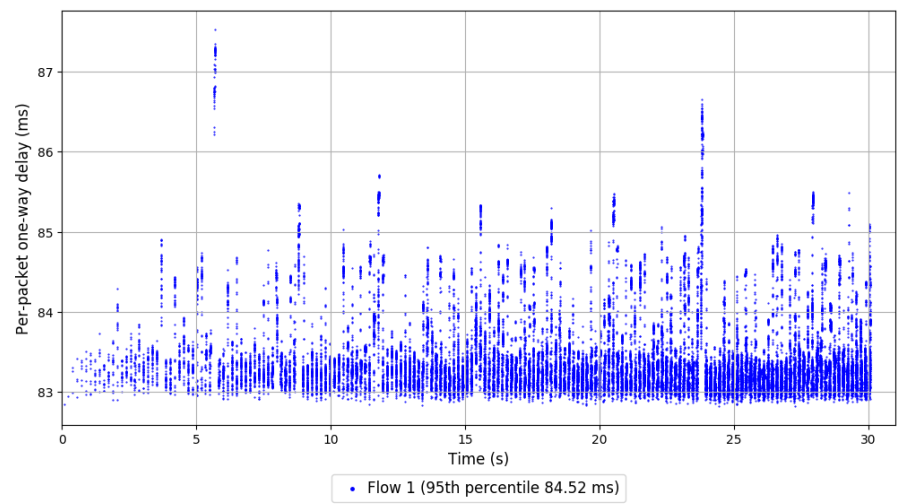
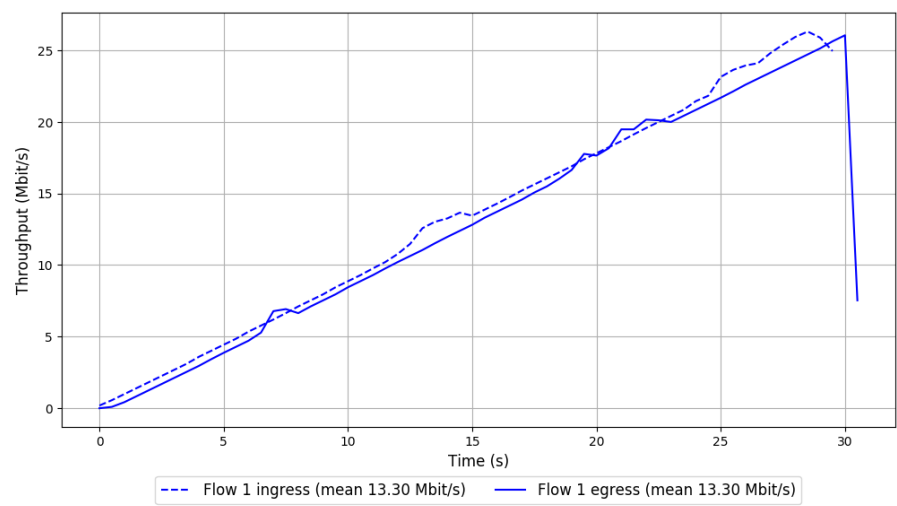
-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 84.523 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

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

End at: 2018-08-21 21:03:51

Local clock offset: -3.893 ms

Remote clock offset: 4.562 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.51 Mbit/s

95th percentile per-packet one-way delay: 81.466 ms

Loss rate: 0.00%

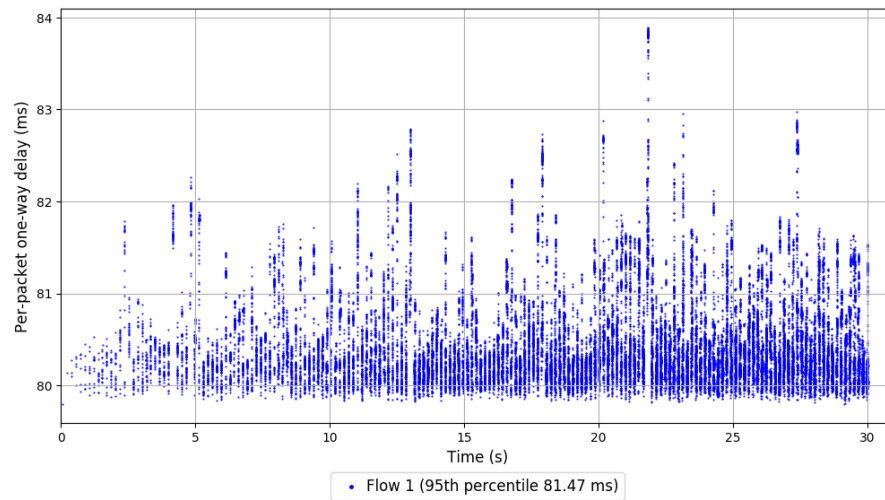
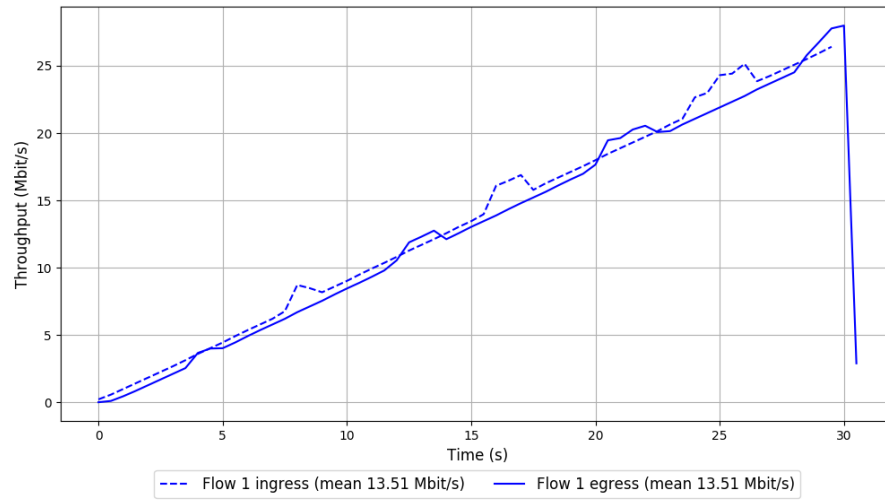
-- Flow 1:

Average throughput: 13.51 Mbit/s

95th percentile per-packet one-way delay: 81.466 ms

Loss rate: 0.00%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-21 21:23:18

End at: 2018-08-21 21:23:48

Local clock offset: -4.291 ms

Remote clock offset: 8.76 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 87.918 ms

Loss rate: 0.00%

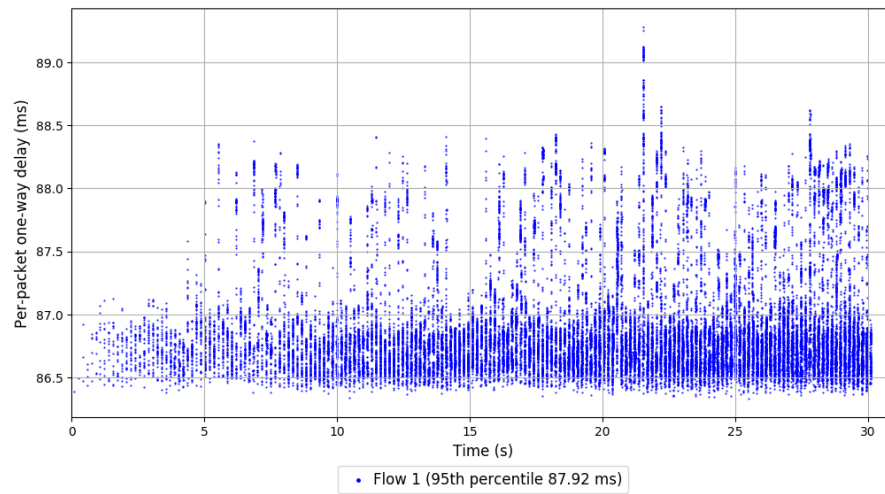
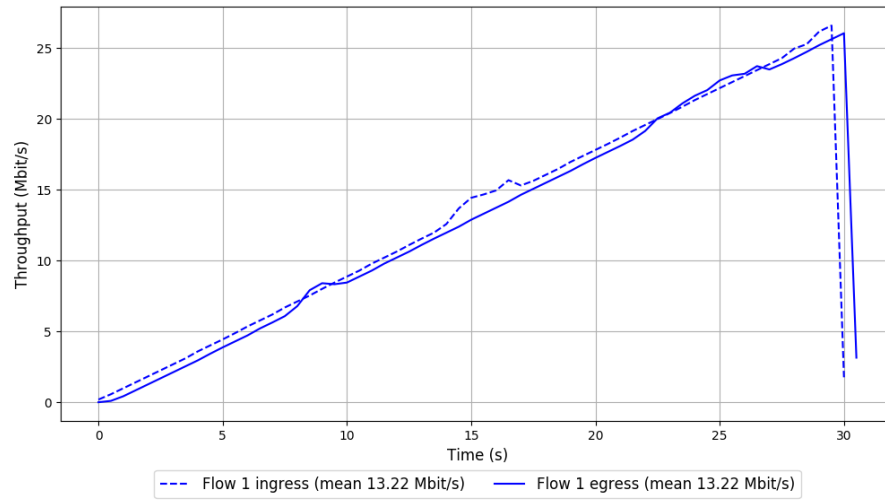
-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 87.918 ms

Loss rate: 0.00%

# Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-21 21:43:13

End at: 2018-08-21 21:43:43

Local clock offset: -4.185 ms

Remote clock offset: 10.14 ms

# Below is generated by plot.py at 2018-08-21 22:27:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.01%

-- Flow 1:

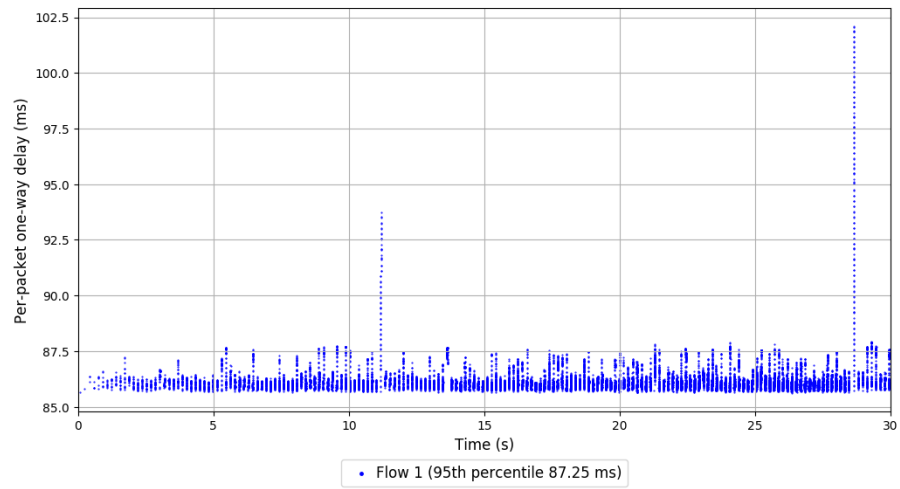
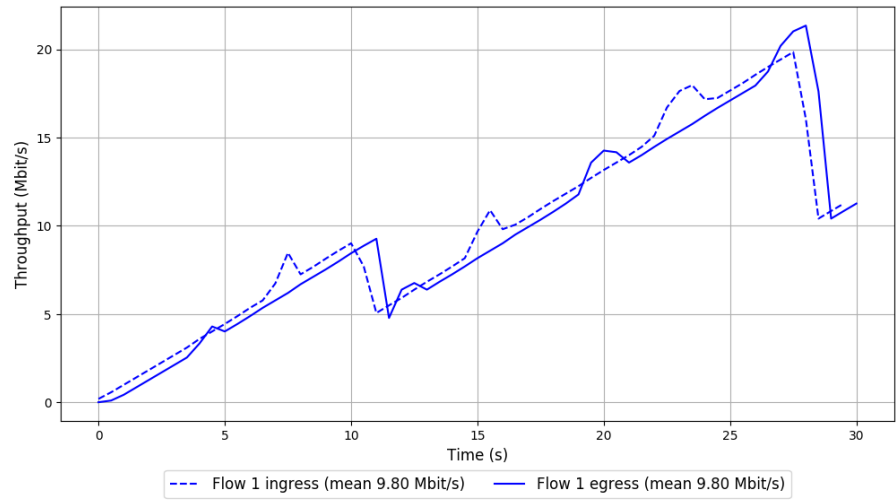
Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.01%



### Run 9: Report of LEDBAT — Data Link

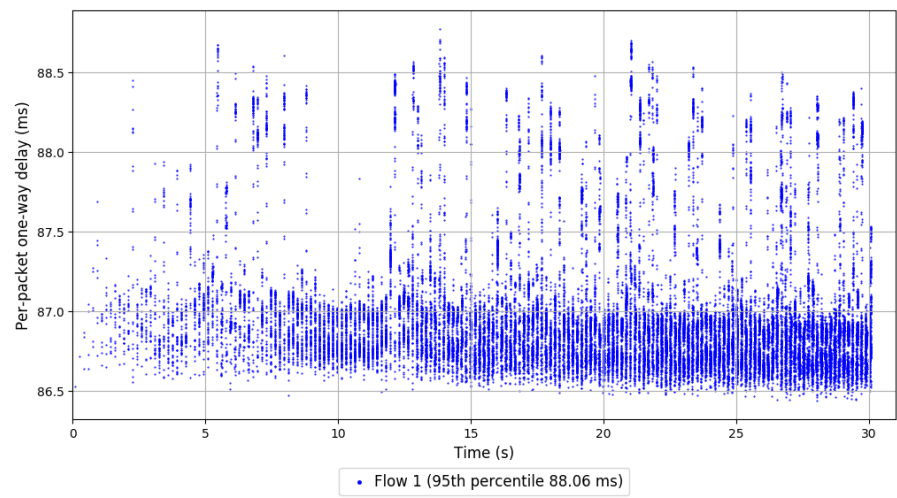
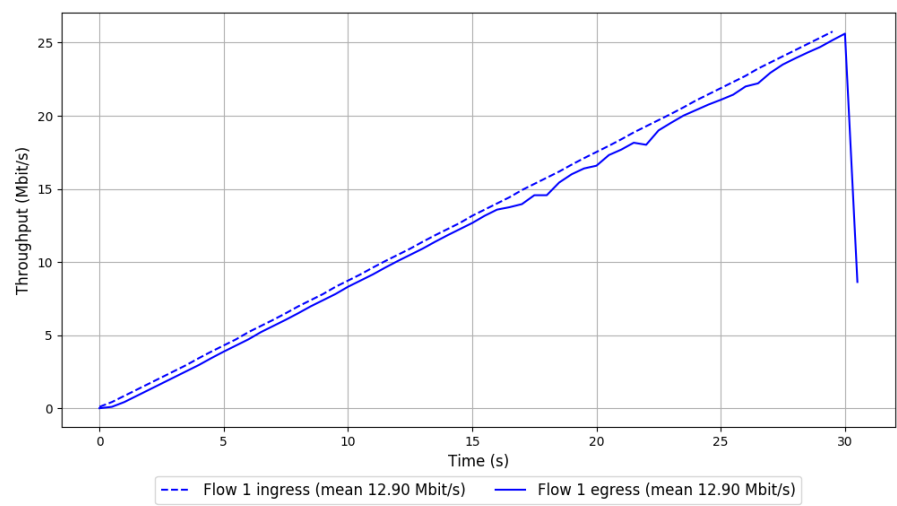


Run 10: Statistics of LEDBAT

Start at: 2018-08-21 22:03:05  
End at: 2018-08-21 22:03:35  
Local clock offset: -4.23 ms  
Remote clock offset: 11.678 ms

# Below is generated by plot.py at 2018-08-21 22:27:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.90 Mbit/s  
95th percentile per-packet one-way delay: 88.056 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.90 Mbit/s  
95th percentile per-packet one-way delay: 88.056 ms  
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

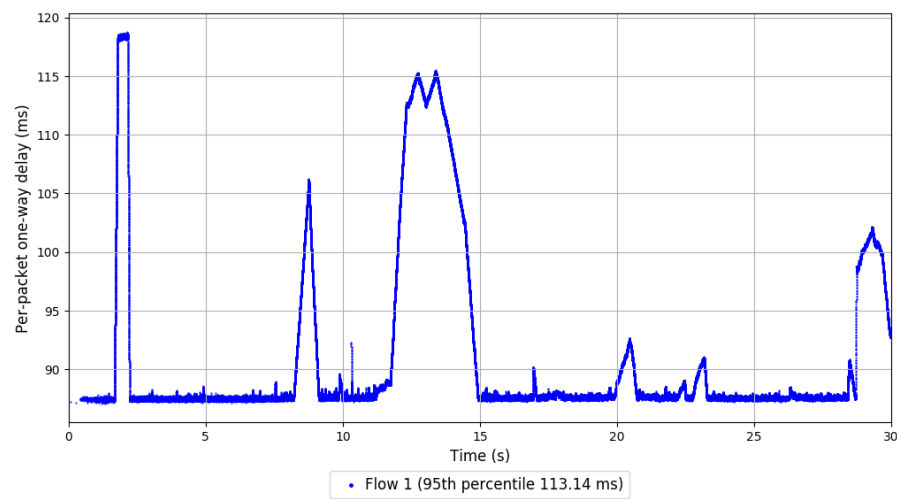
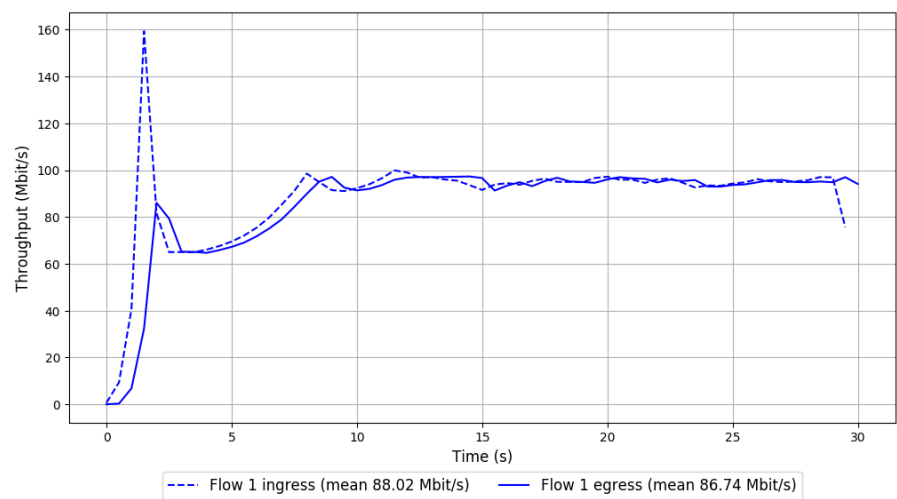


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-21 19:01:36
End at: 2018-08-21 19:02:06
Local clock offset: -7.253 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-08-21 22:28:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 113.137 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 113.137 ms
Loss rate: 1.45%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

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

End at: 2018-08-21 19:22:04

Local clock offset: -6.035 ms

Remote clock offset: 4.261 ms

# Below is generated by plot.py at 2018-08-21 22:28:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 108.672 ms

Loss rate: 1.52%

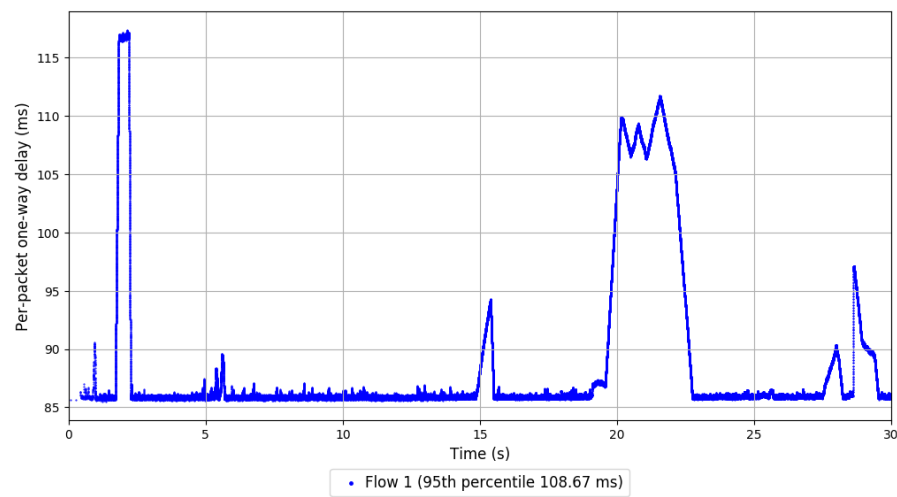
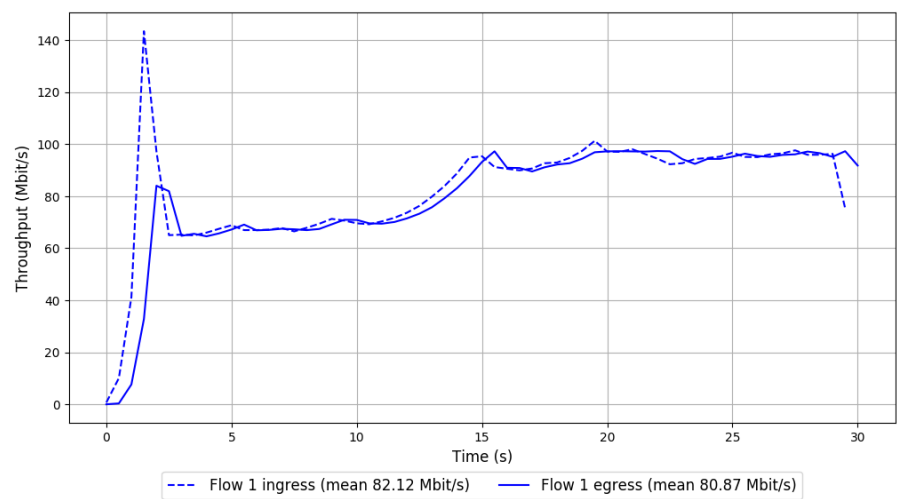
-- Flow 1:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 108.672 ms

Loss rate: 1.52%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-21 19:41:24

End at: 2018-08-21 19:41:55

Local clock offset: -5.248 ms

Remote clock offset: 5.7 ms

# Below is generated by plot.py at 2018-08-21 22:28:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 99.961 ms

Loss rate: 1.48%

-- Flow 1:

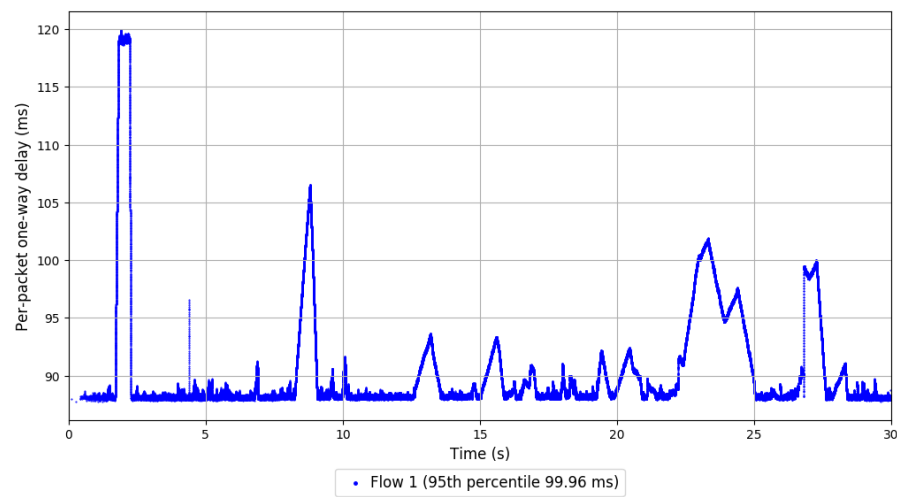
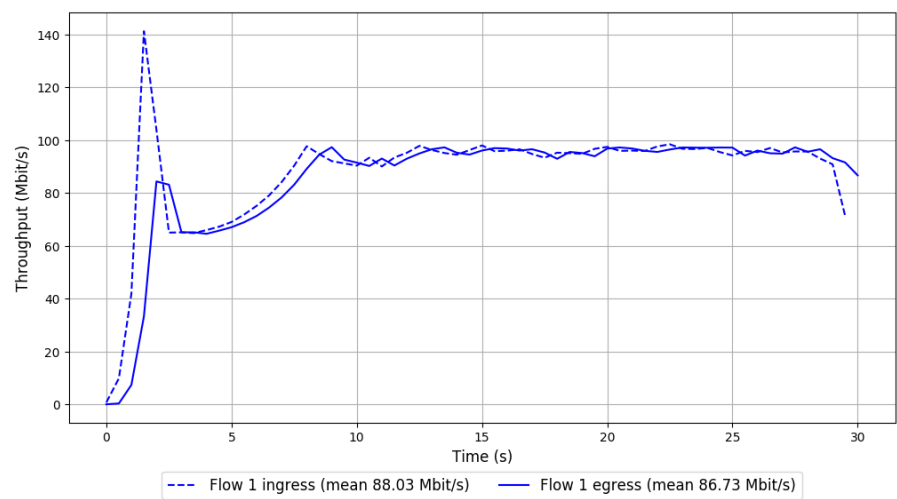
Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 99.961 ms

Loss rate: 1.48%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-21 20:01:16

End at: 2018-08-21 20:01:46

Local clock offset: -5.15 ms

Remote clock offset: 6.461 ms

# Below is generated by plot.py at 2018-08-21 22:28:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 95.580 ms

Loss rate: 1.49%

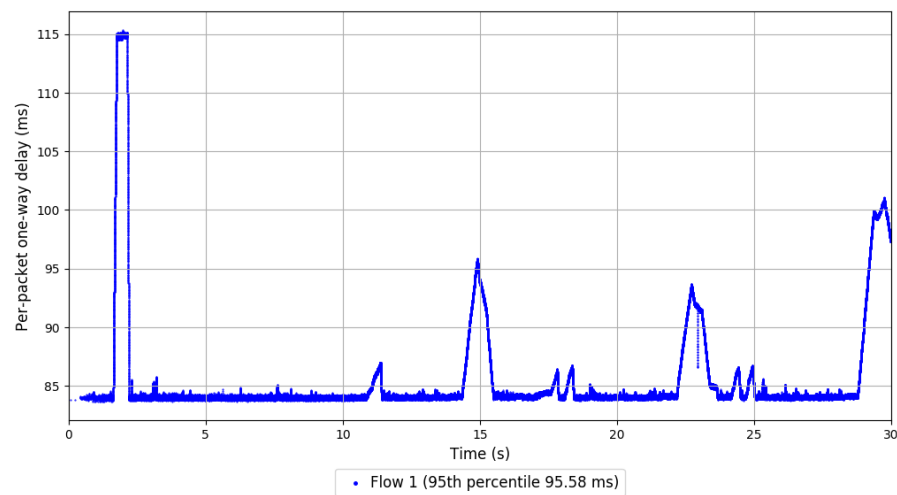
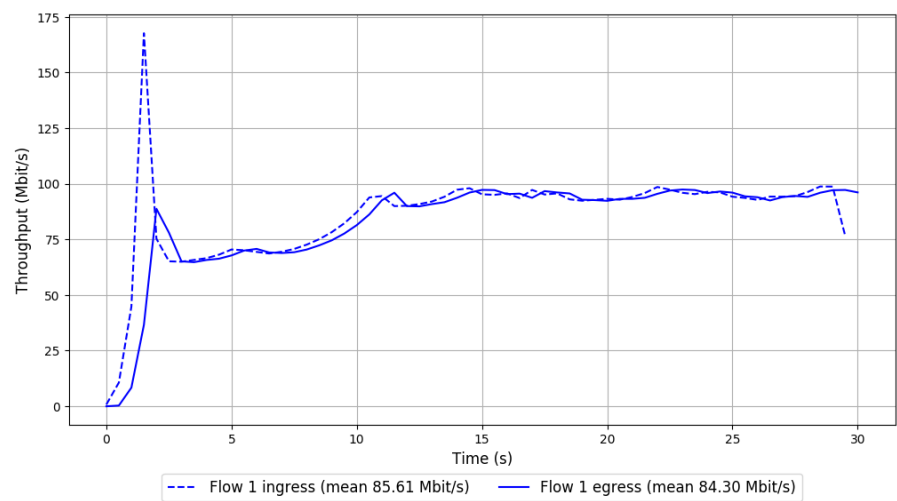
-- Flow 1:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 95.580 ms

Loss rate: 1.49%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-21 20:21:07

End at: 2018-08-21 20:21:37

Local clock offset: -5.132 ms

Remote clock offset: 3.459 ms

# Below is generated by plot.py at 2018-08-21 22:28:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 92.469 ms

Loss rate: 1.52%

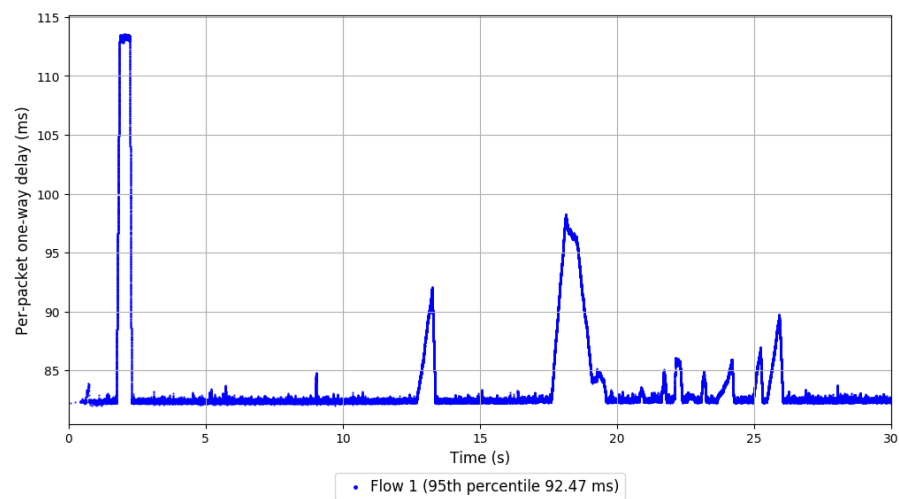
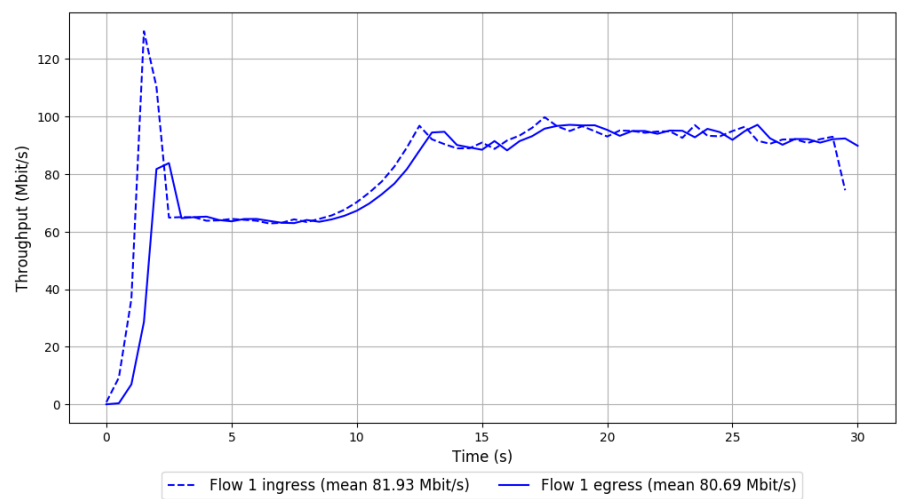
-- Flow 1:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 92.469 ms

Loss rate: 1.52%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-21 20:41:01

End at: 2018-08-21 20:41:31

Local clock offset: -4.297 ms

Remote clock offset: 4.186 ms

# Below is generated by plot.py at 2018-08-21 22:28:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 91.220 ms

Loss rate: 1.42%

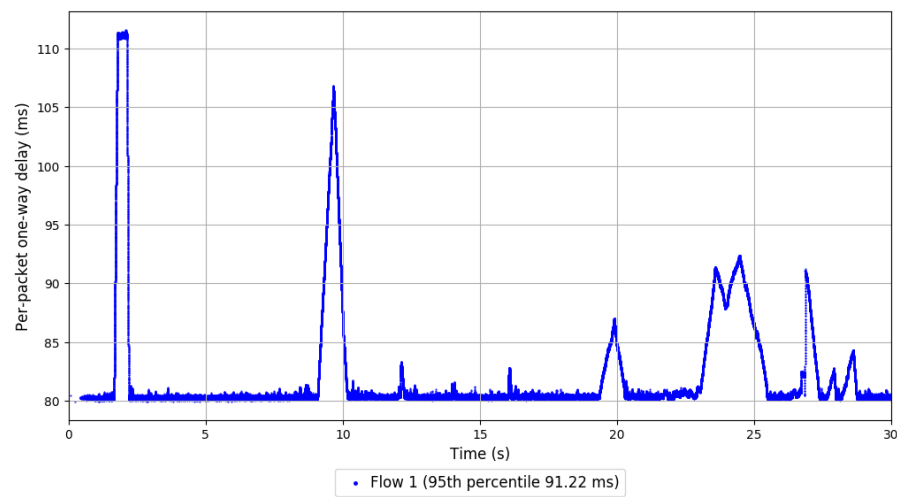
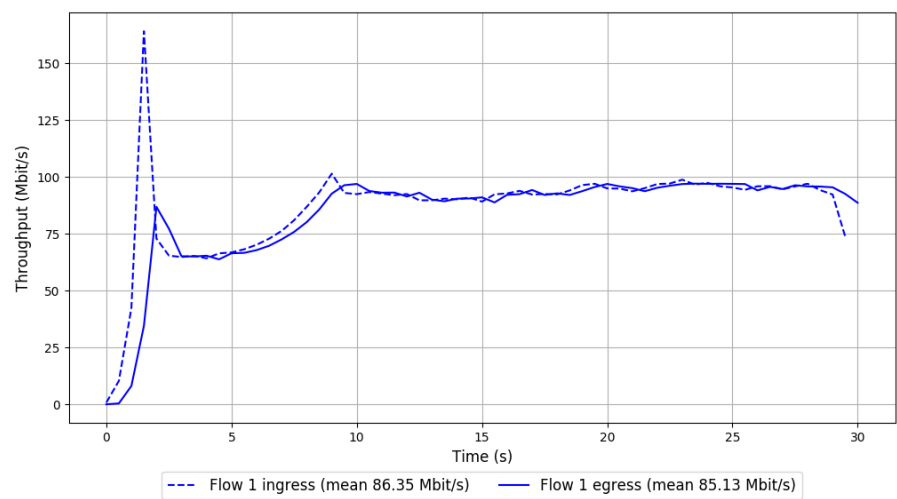
-- Flow 1:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 91.220 ms

Loss rate: 1.42%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

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

End at: 2018-08-21 21:01:31

Local clock offset: -3.873 ms

Remote clock offset: 7.542 ms

# Below is generated by plot.py at 2018-08-21 22:28:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 94.854 ms

Loss rate: 1.44%

-- Flow 1:

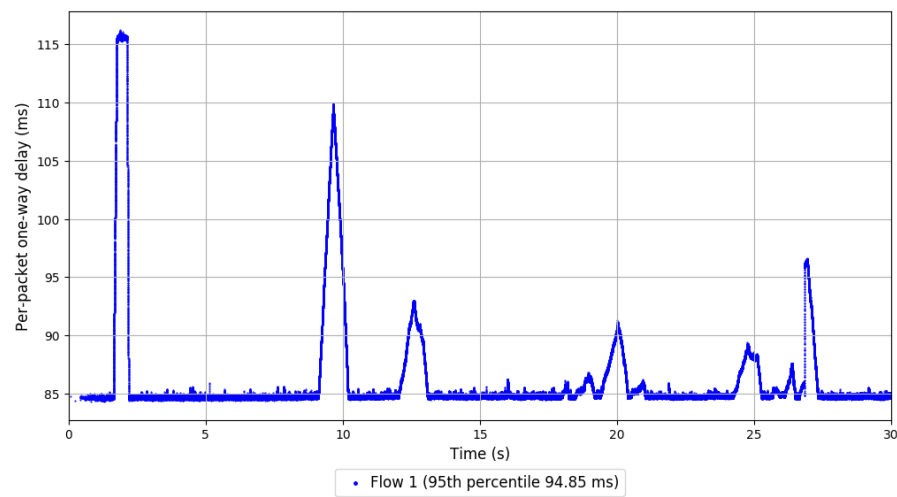
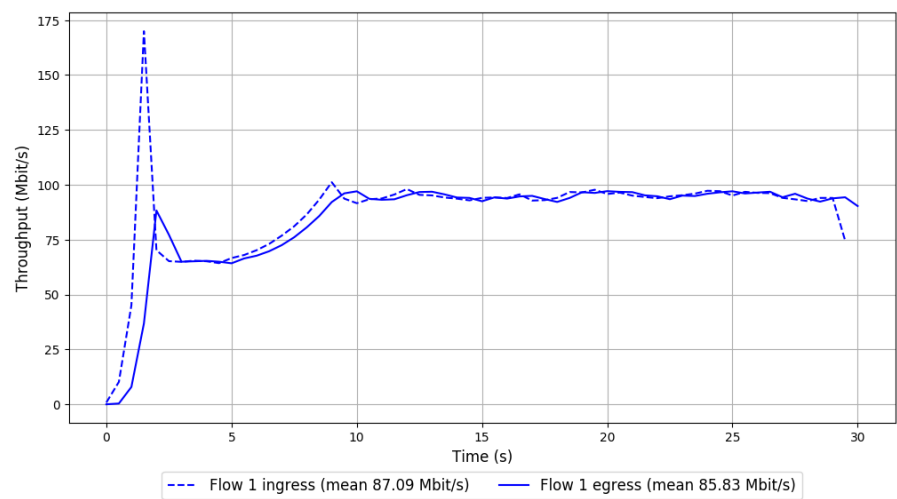
Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 94.854 ms

Loss rate: 1.44%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-21 21:20:58

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

Local clock offset: -5.076 ms

Remote clock offset: 3.635 ms

# Below is generated by plot.py at 2018-08-21 22:28:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 88.291 ms

Loss rate: 1.69%

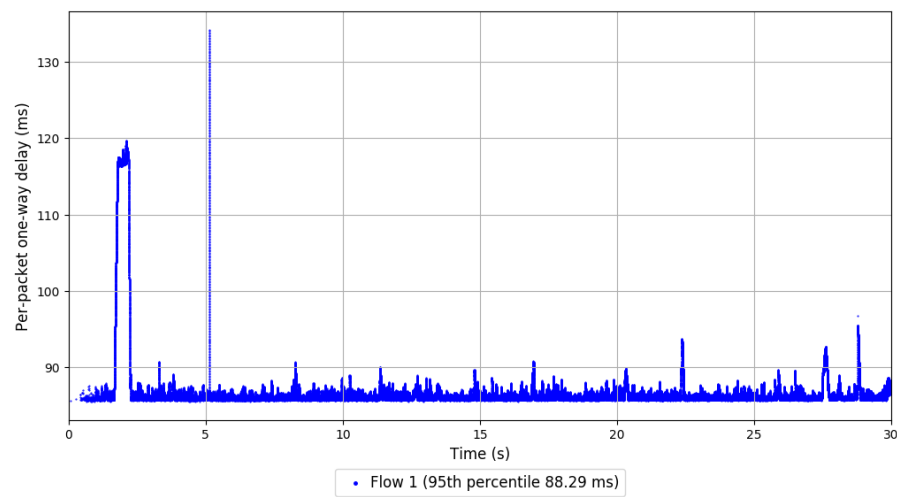
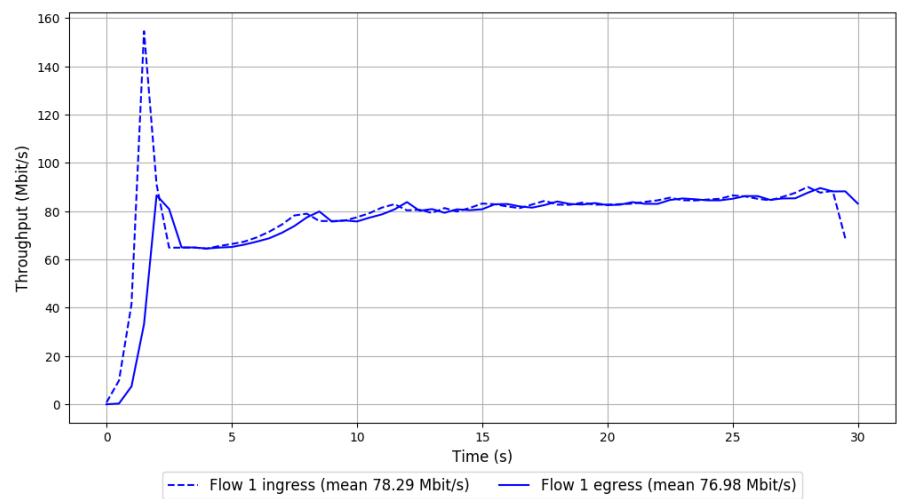
-- Flow 1:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 88.291 ms

Loss rate: 1.69%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-21 21:40:52

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

Local clock offset: -3.422 ms

Remote clock offset: 5.133 ms

# Below is generated by plot.py at 2018-08-21 22:29:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.77 Mbit/s

95th percentile per-packet one-way delay: 82.519 ms

Loss rate: 1.76%

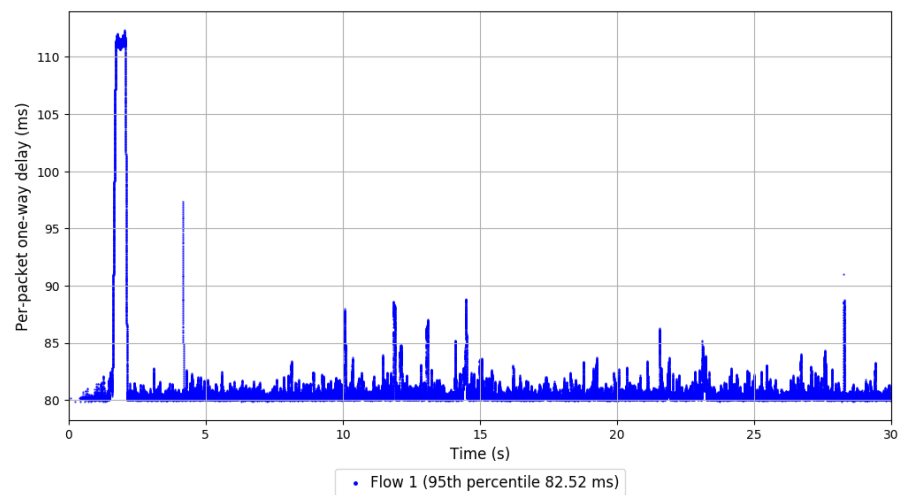
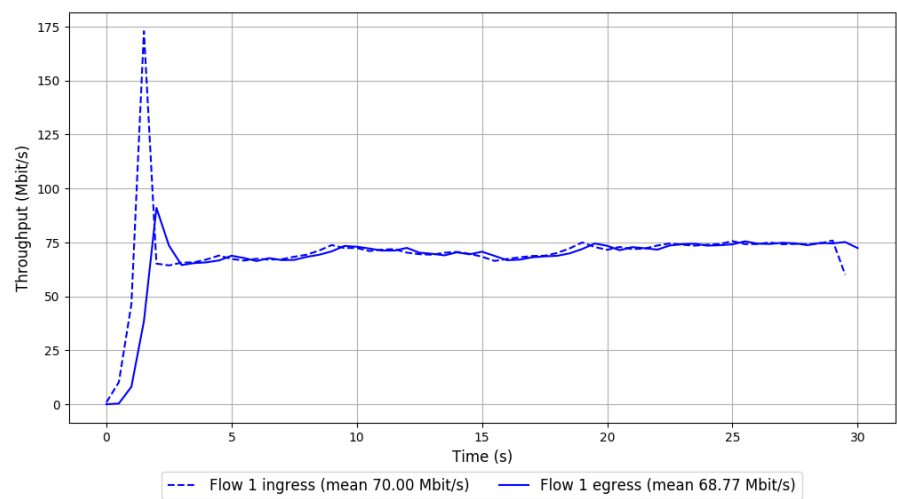
-- Flow 1:

Average throughput: 68.77 Mbit/s

95th percentile per-packet one-way delay: 82.519 ms

Loss rate: 1.76%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-21 22:00:44

End at: 2018-08-21 22:01:14

Local clock offset: -4.228 ms

Remote clock offset: 9.935 ms

# Below is generated by plot.py at 2018-08-21 22:29:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.86 Mbit/s

95th percentile per-packet one-way delay: 96.373 ms

Loss rate: 1.49%

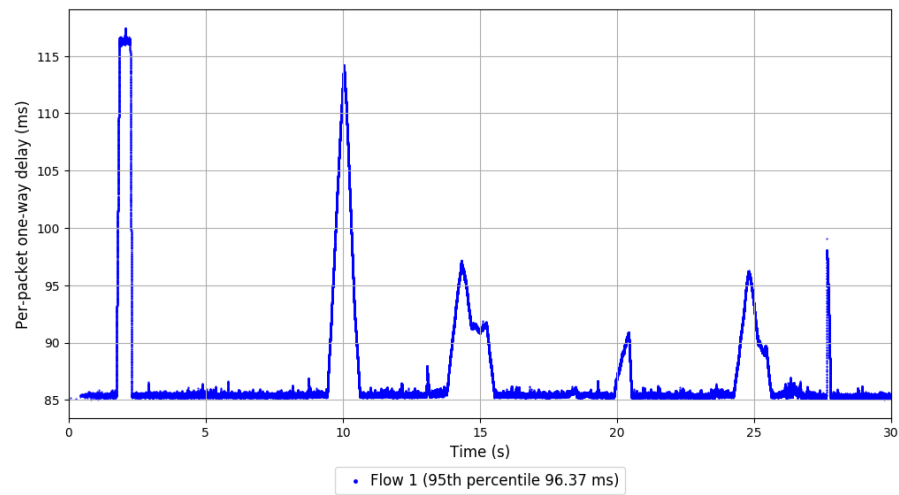
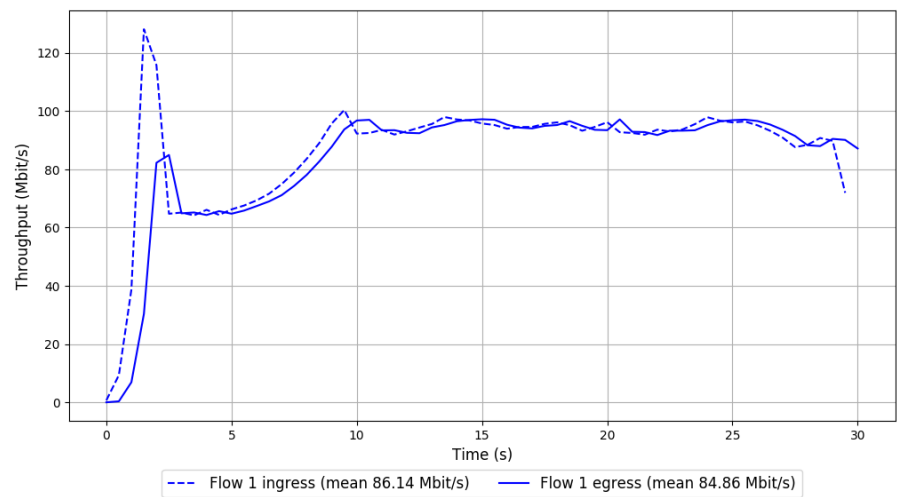
-- Flow 1:

Average throughput: 84.86 Mbit/s

95th percentile per-packet one-way delay: 96.373 ms

Loss rate: 1.49%

Run 10: Report of PCC-Allegro — Data Link



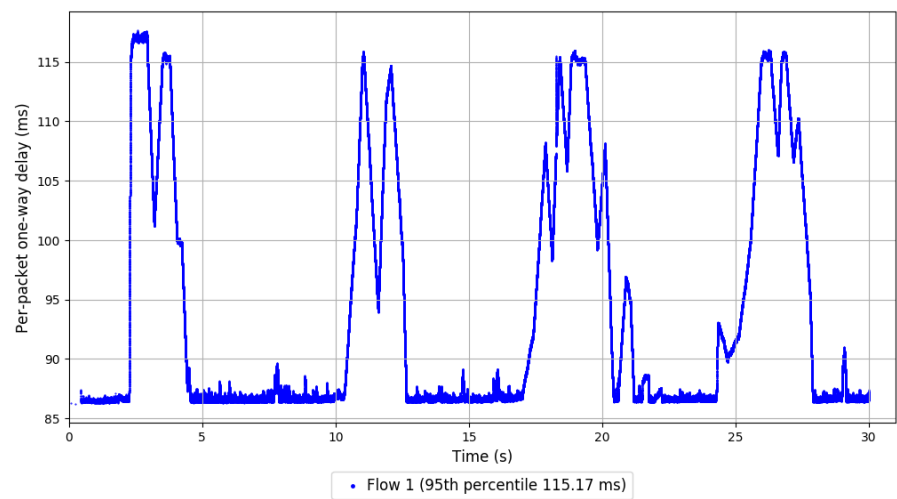
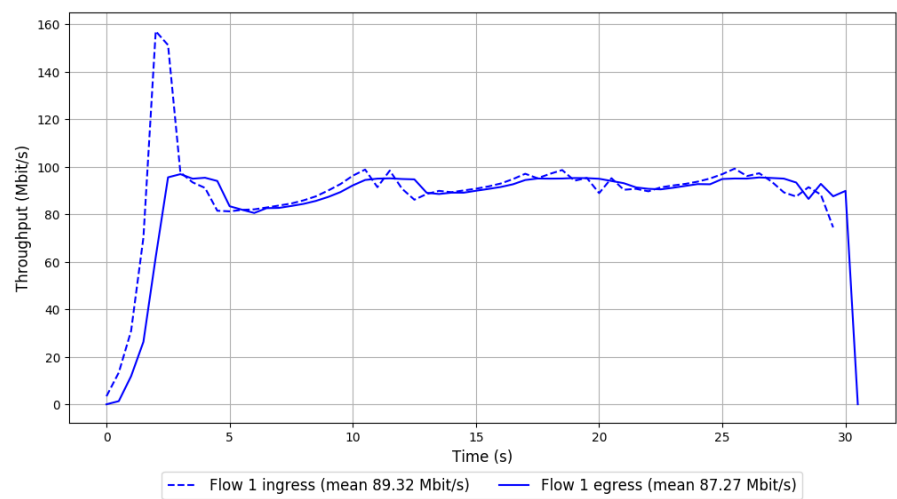
```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-21 19:12:03
End at: 2018-08-21 19:12:33
Local clock offset: -5.816 ms
Remote clock offset: 5.326 ms

# Below is generated by plot.py at 2018-08-21 22:30:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 115.174 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 115.174 ms
Loss rate: 2.30%
```



Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-21 19:31:58

End at: 2018-08-21 19:32:28

Local clock offset: -5.419 ms

Remote clock offset: 6.486 ms

# Below is generated by plot.py at 2018-08-21 22:30:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 114.425 ms

Loss rate: 2.25%

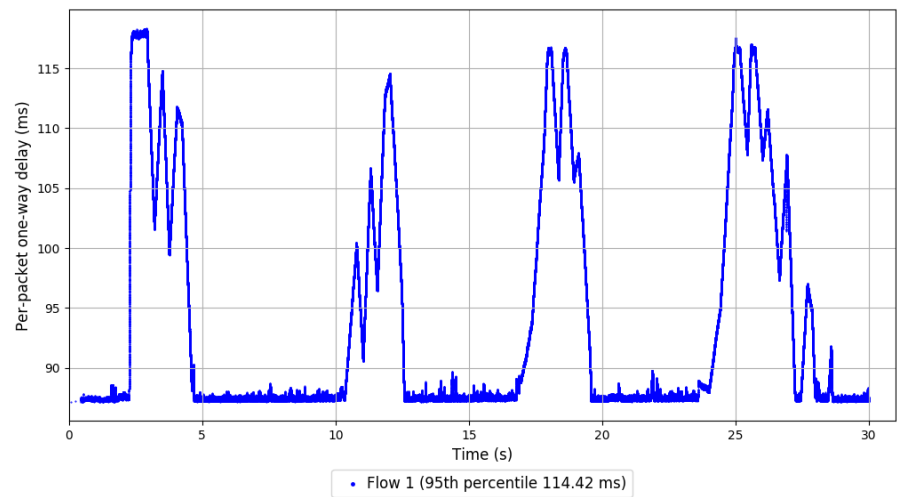
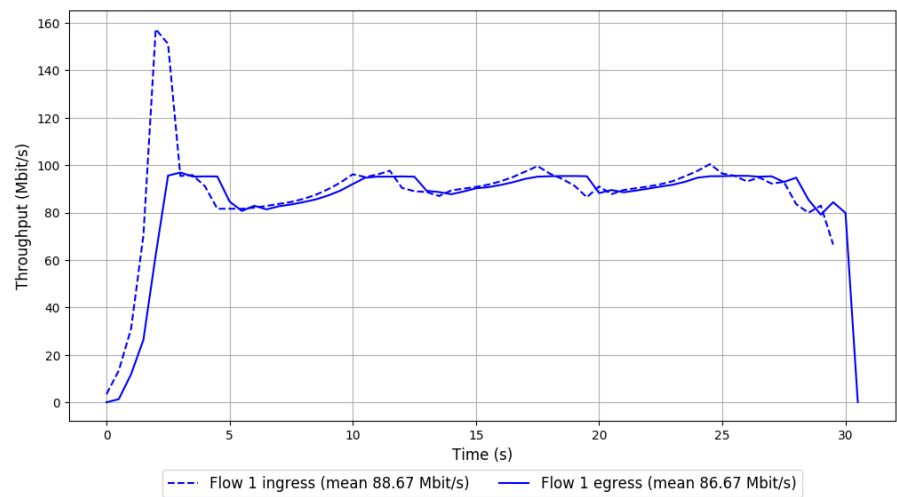
-- Flow 1:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 114.425 ms

Loss rate: 2.25%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-21 19:51:49

End at: 2018-08-21 19:52:19

Local clock offset: -4.279 ms

Remote clock offset: 5.909 ms

# Below is generated by plot.py at 2018-08-21 22:30:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 111.653 ms

Loss rate: 2.37%

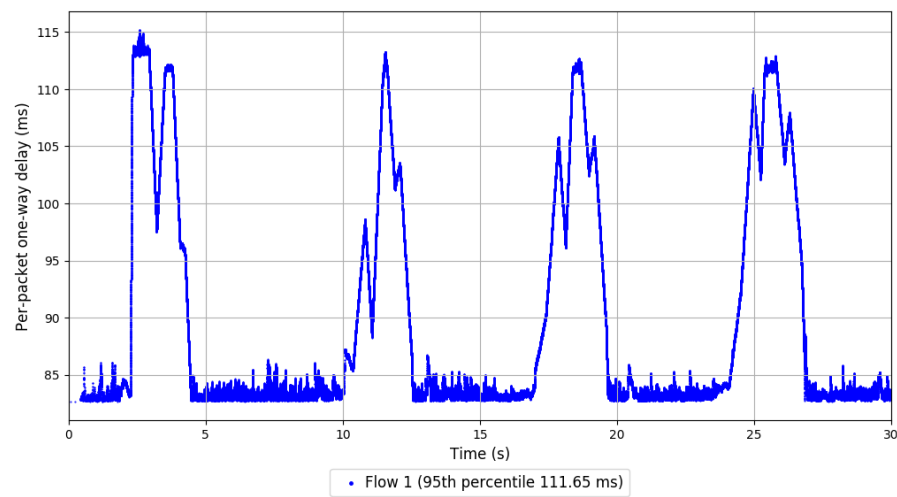
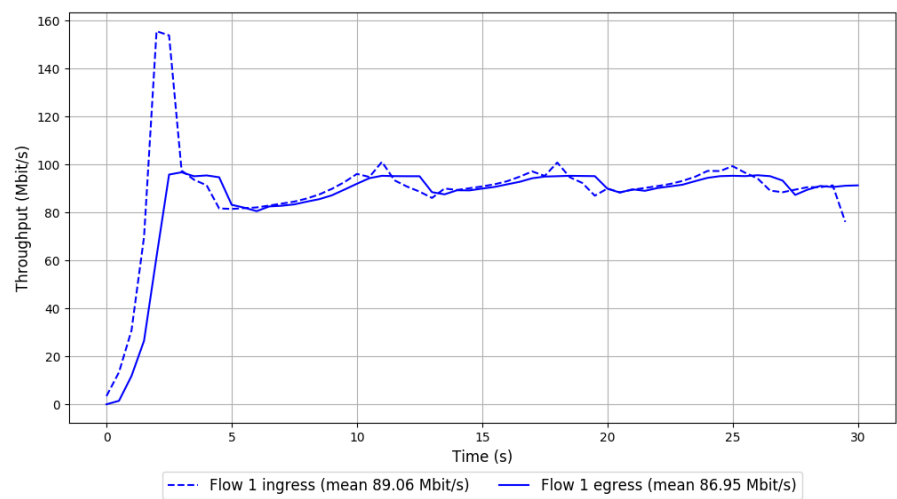
-- Flow 1:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 111.653 ms

Loss rate: 2.37%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-21 20:11:39

End at: 2018-08-21 20:12:09

Local clock offset: -5.599 ms

Remote clock offset: 7.901 ms

# Below is generated by plot.py at 2018-08-21 22:30:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 121.068 ms

Loss rate: 2.41%

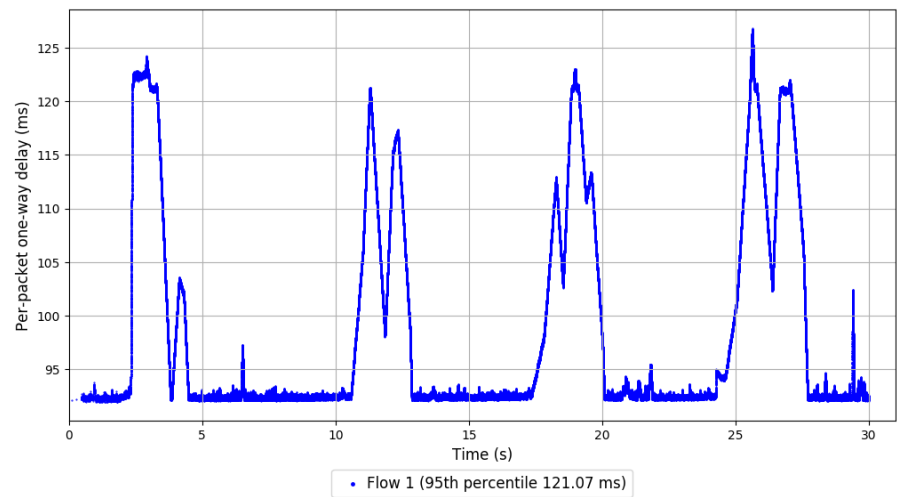
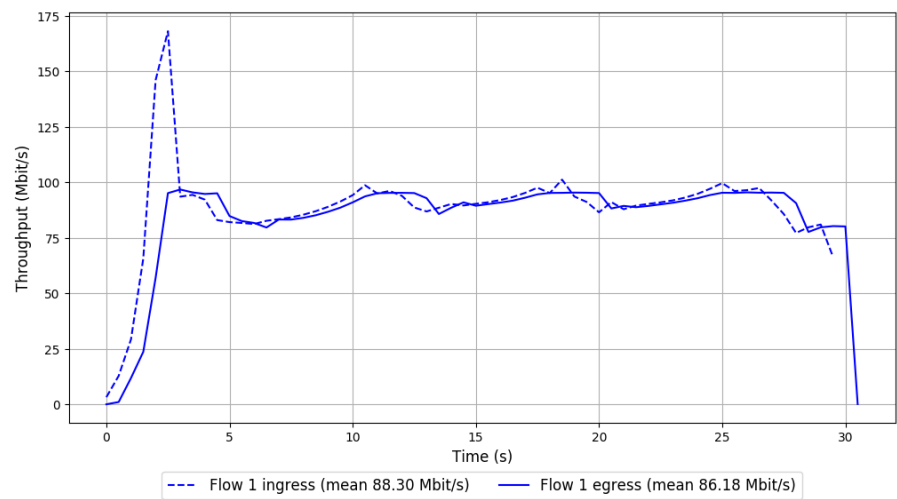
-- Flow 1:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 121.068 ms

Loss rate: 2.41%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-21 20:31:34

End at: 2018-08-21 20:32:04

Local clock offset: -4.136 ms

Remote clock offset: 4.838 ms

# Below is generated by plot.py at 2018-08-21 22:30:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.51 Mbit/s

95th percentile per-packet one-way delay: 109.895 ms

Loss rate: 2.38%

-- Flow 1:

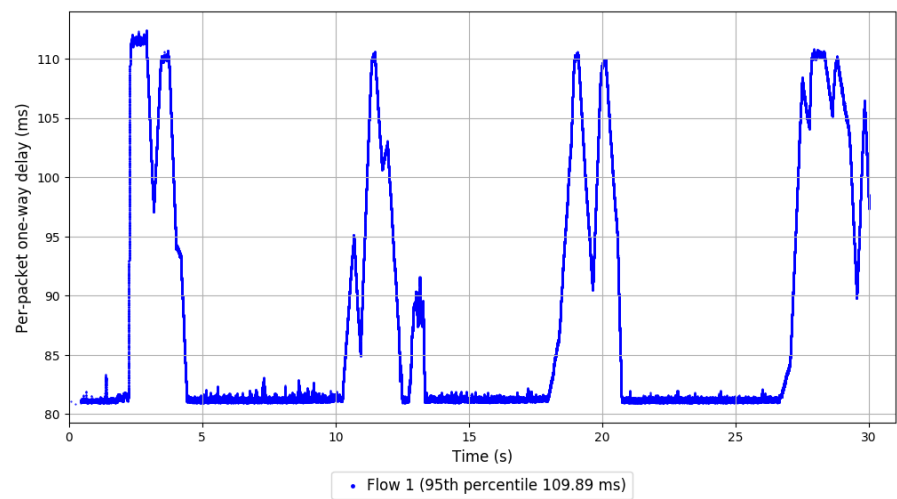
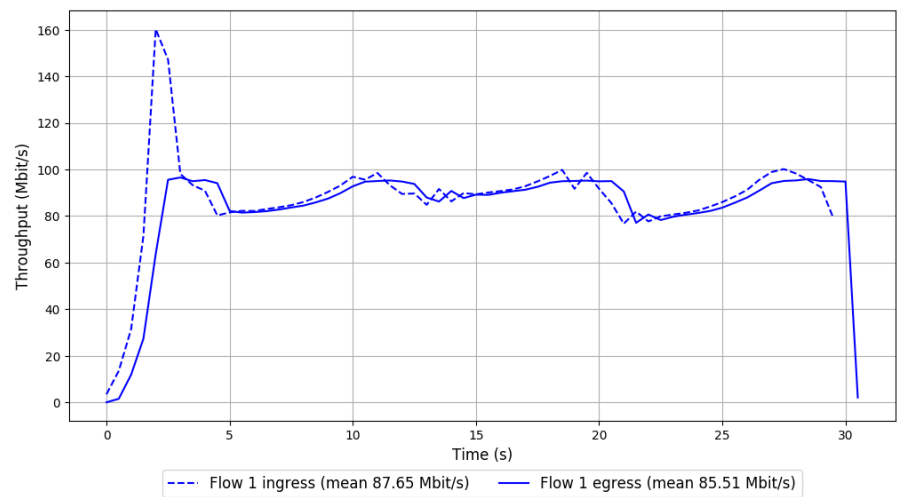
Average throughput: 85.51 Mbit/s

95th percentile per-packet one-way delay: 109.895 ms

Loss rate: 2.38%



Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-21 20:51:26

End at: 2018-08-21 20:51:56

Local clock offset: -4.491 ms

Remote clock offset: 9.047 ms

# Below is generated by plot.py at 2018-08-21 22:30:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 115.229 ms

Loss rate: 2.32%

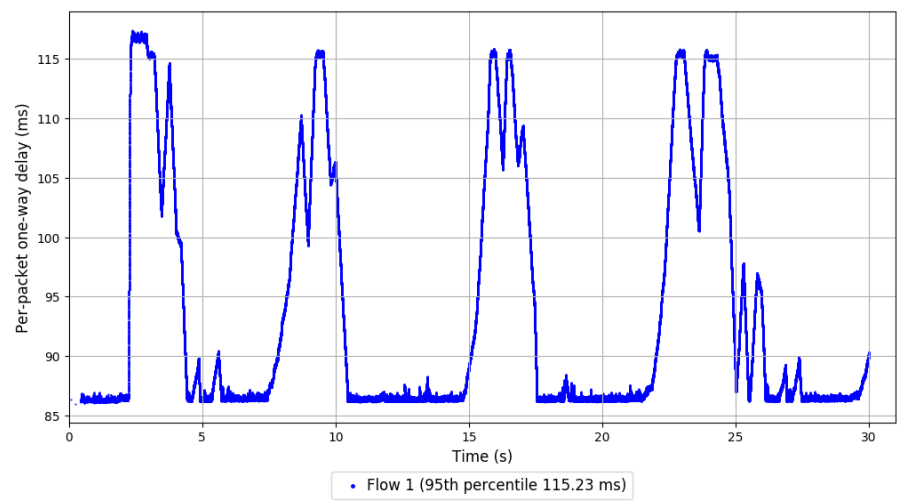
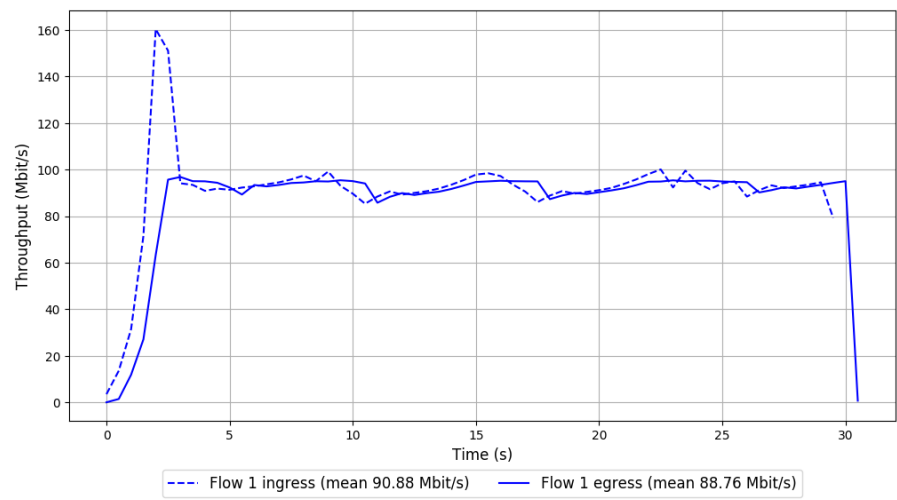
-- Flow 1:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 115.229 ms

Loss rate: 2.32%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-21 21:11:25

End at: 2018-08-21 21:11:55

Local clock offset: -4.562 ms

Remote clock offset: 8.52 ms

# Below is generated by plot.py at 2018-08-21 22:30:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 115.161 ms

Loss rate: 2.52%

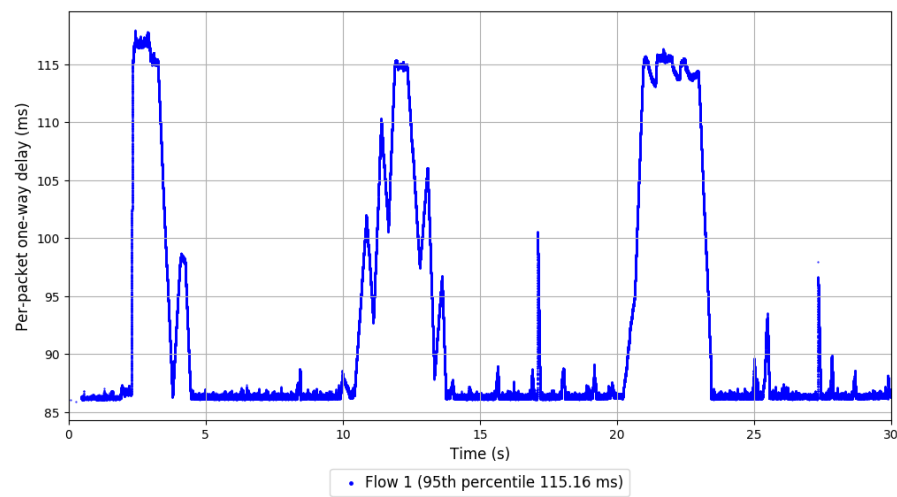
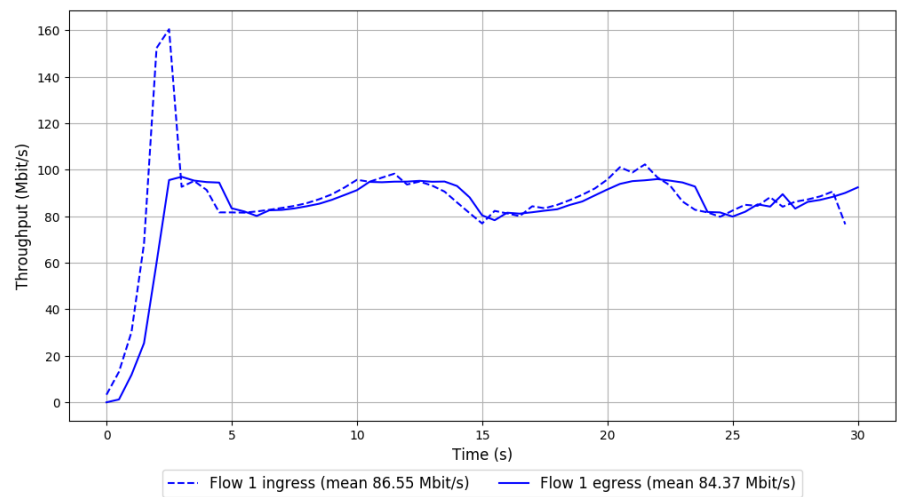
-- Flow 1:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 115.161 ms

Loss rate: 2.52%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-21 21:31:22

End at: 2018-08-21 21:31:53

Local clock offset: -4.17 ms

Remote clock offset: 7.716 ms

# Below is generated by plot.py at 2018-08-21 22:31:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 114.135 ms

Loss rate: 2.40%

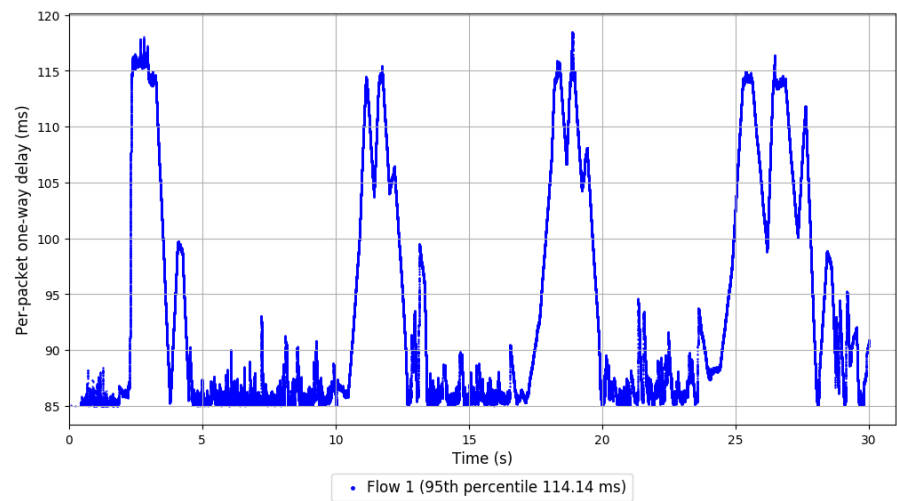
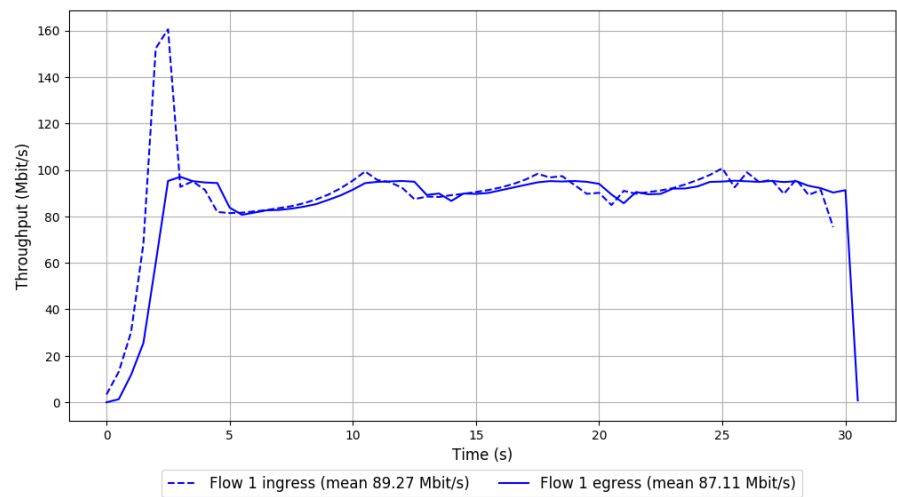
-- Flow 1:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 114.135 ms

Loss rate: 2.40%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-21 21:51:15

End at: 2018-08-21 21:51:45

Local clock offset: -3.433 ms

Remote clock offset: 5.272 ms

# Below is generated by plot.py at 2018-08-21 22:32:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 108.929 ms

Loss rate: 2.48%

-- Flow 1:

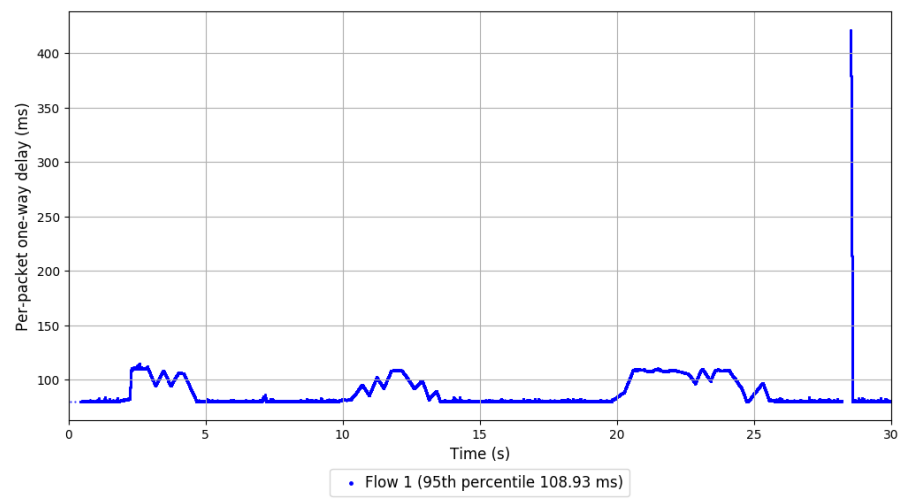
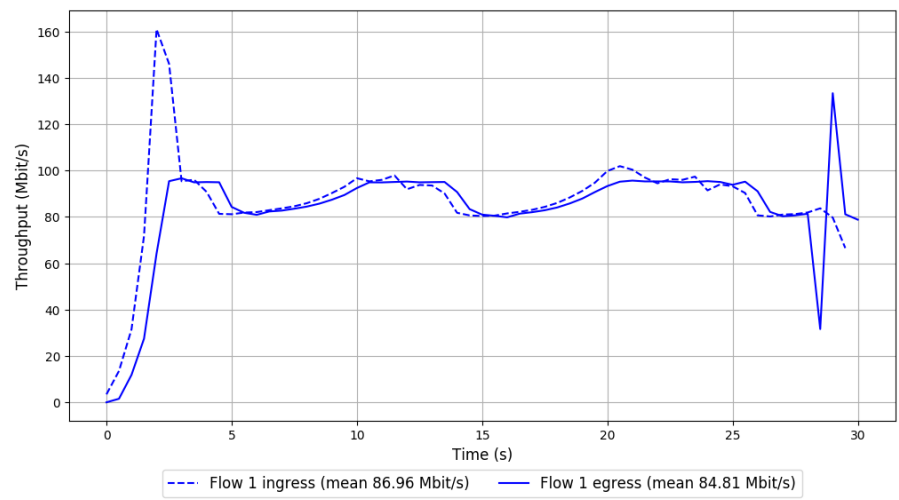
Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 108.929 ms

Loss rate: 2.48%



Run 9: Report of PCC-Expr — Data Link

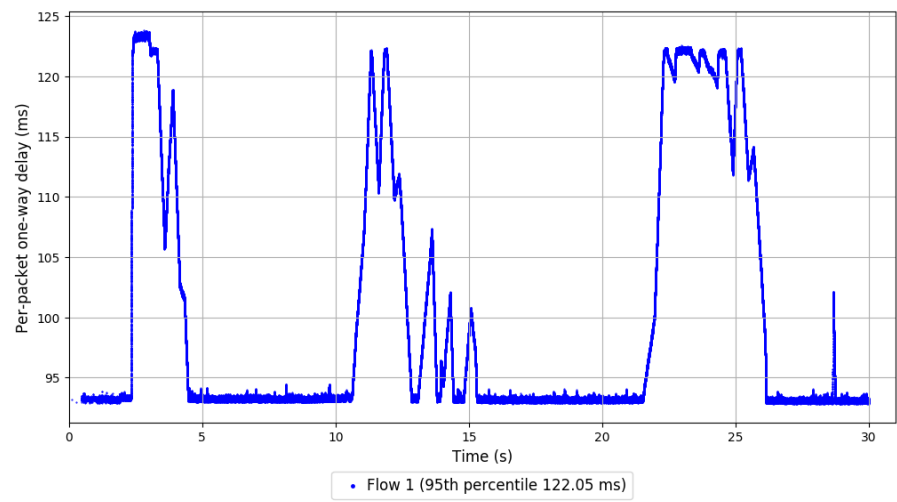
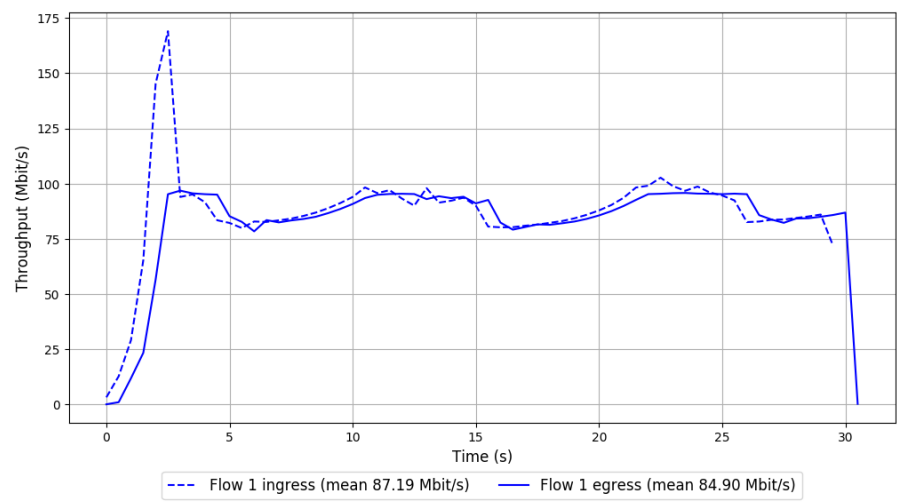


Run 10: Statistics of PCC-Expr

Start at: 2018-08-21 22:11:08  
End at: 2018-08-21 22:11:38  
Local clock offset: -6.127 ms  
Remote clock offset: 14.279 ms

# Below is generated by plot.py at 2018-08-21 22:32:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.90 Mbit/s  
95th percentile per-packet one-way delay: 122.054 ms  
Loss rate: 2.64%  
-- Flow 1:  
Average throughput: 84.90 Mbit/s  
95th percentile per-packet one-way delay: 122.054 ms  
Loss rate: 2.64%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-21 19:08:39

End at: 2018-08-21 19:09:10

Local clock offset: -6.356 ms

Remote clock offset: 0.19 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.14 Mbit/s

95th percentile per-packet one-way delay: 103.312 ms

Loss rate: 0.45%

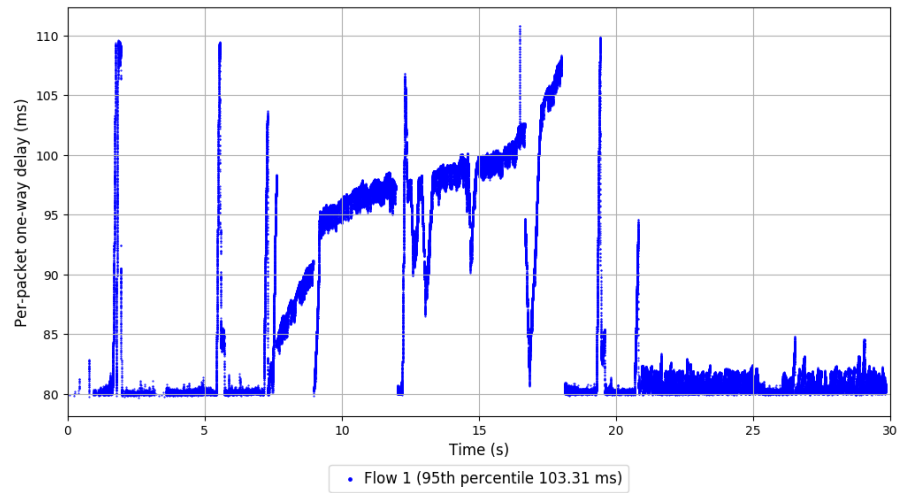
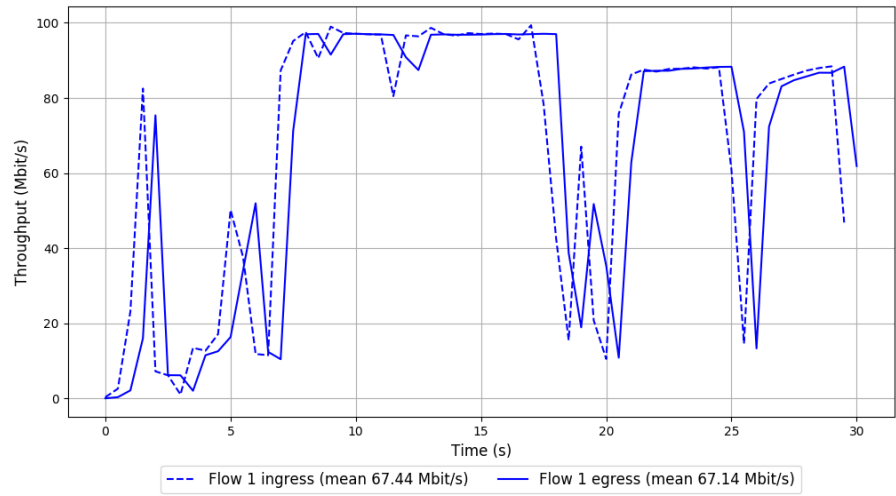
-- Flow 1:

Average throughput: 67.14 Mbit/s

95th percentile per-packet one-way delay: 103.312 ms

Loss rate: 0.45%

### Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-21 19:28:35

End at: 2018-08-21 19:29:05

Local clock offset: -5.367 ms

Remote clock offset: 6.479 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 109.839 ms

Loss rate: 0.38%

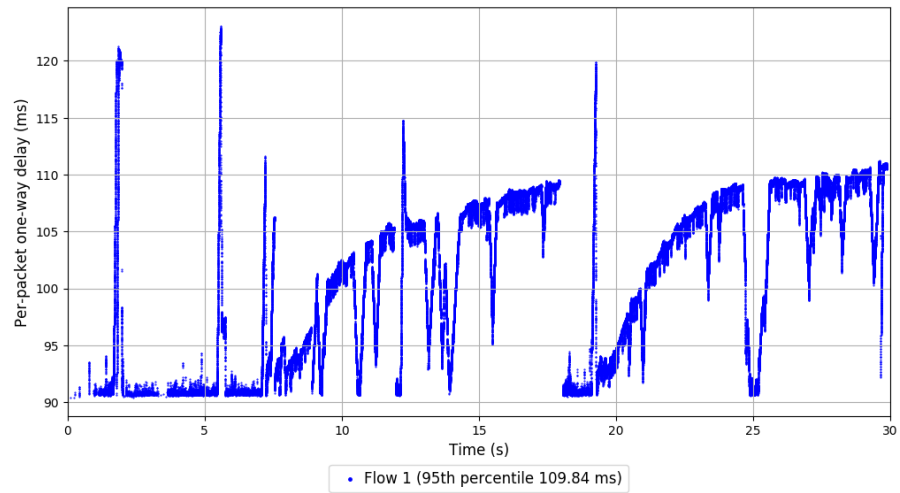
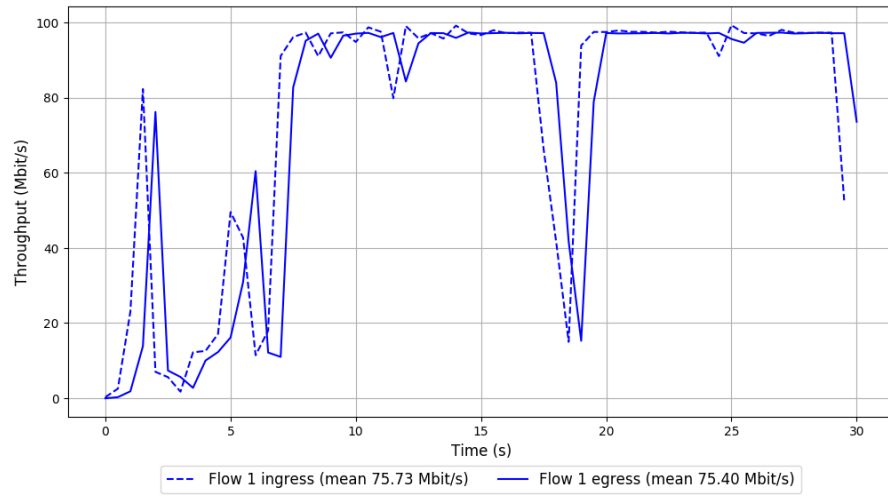
-- Flow 1:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 109.839 ms

Loss rate: 0.38%

## Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-21 19:48:26

End at: 2018-08-21 19:48:56

Local clock offset: -5.055 ms

Remote clock offset: 7.892 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.24 Mbit/s

95th percentile per-packet one-way delay: 109.020 ms

Loss rate: 0.44%

-- Flow 1:

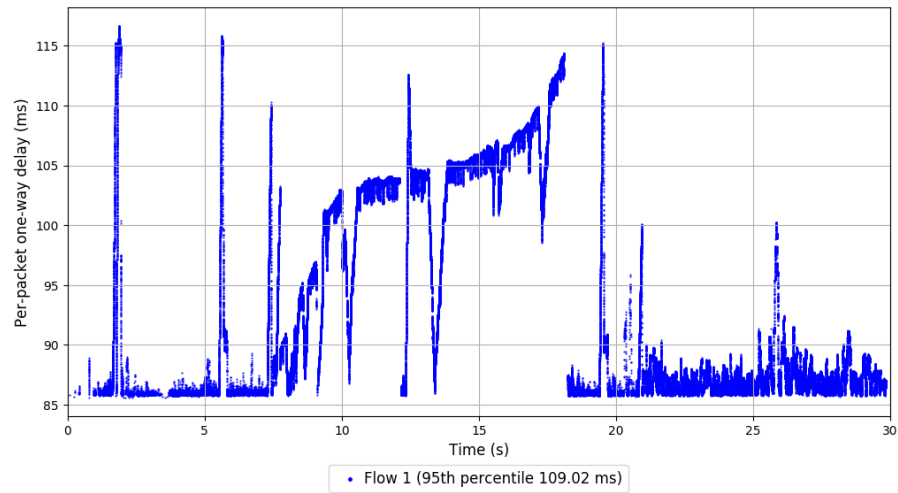
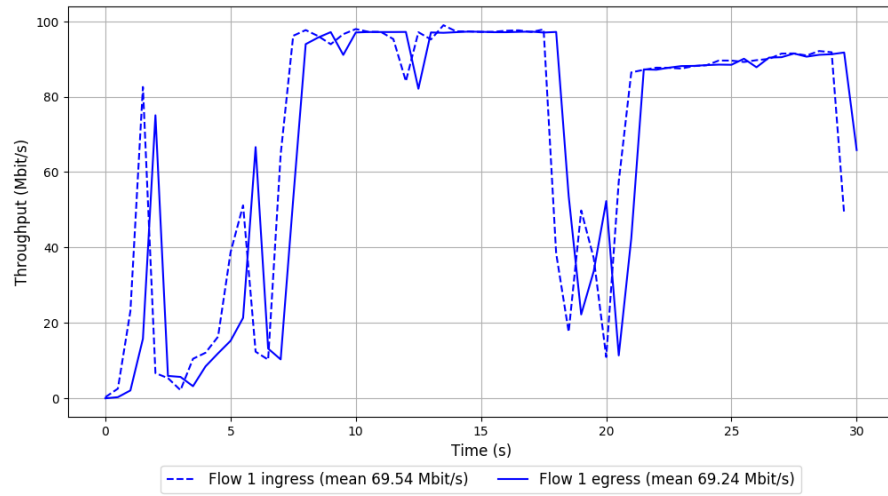
Average throughput: 69.24 Mbit/s

95th percentile per-packet one-way delay: 109.020 ms

Loss rate: 0.44%



### Run 3: Report of QUIC Cubic — Data Link

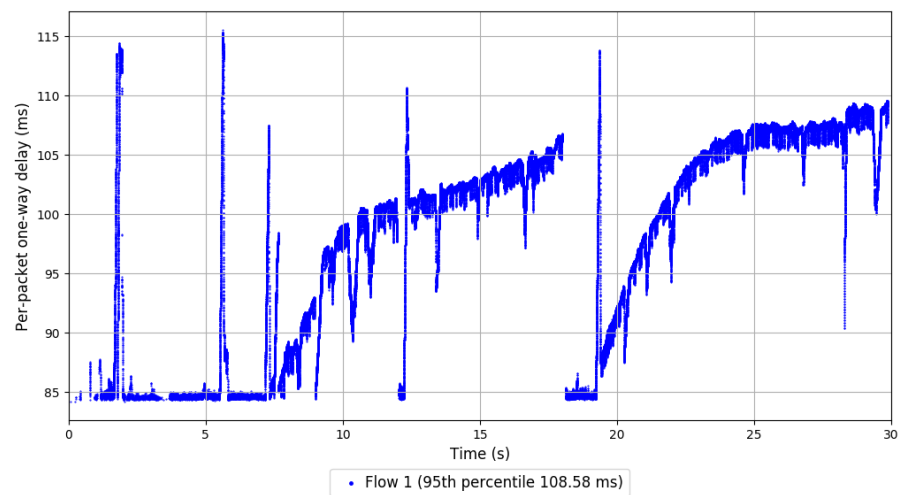
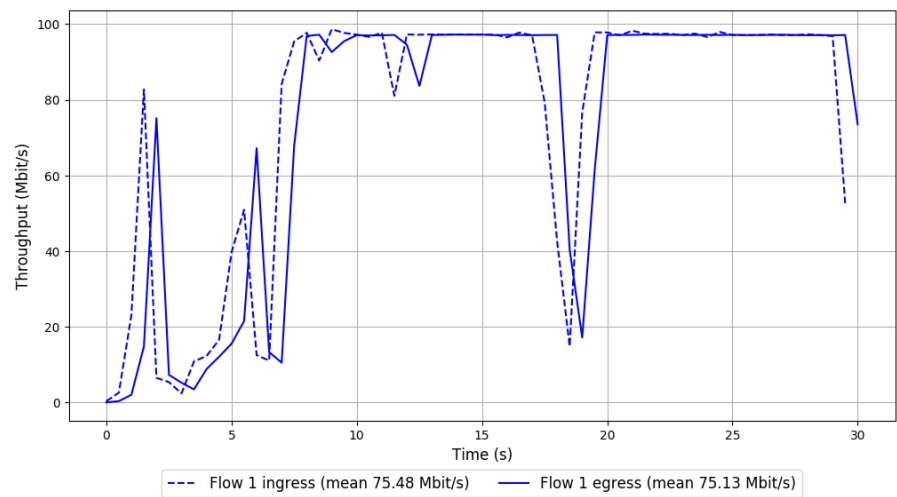


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-21 20:08:15  
End at: 2018-08-21 20:08:45  
Local clock offset: -4.385 ms  
Remote clock offset: 7.812 ms

# Below is generated by plot.py at 2018-08-21 22:32:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.13 Mbit/s  
95th percentile per-packet one-way delay: 108.577 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 75.13 Mbit/s  
95th percentile per-packet one-way delay: 108.577 ms  
Loss rate: 0.38%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-21 20:28:10

End at: 2018-08-21 20:28:40

Local clock offset: -5.009 ms

Remote clock offset: 4.646 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 102.484 ms

Loss rate: 0.47%

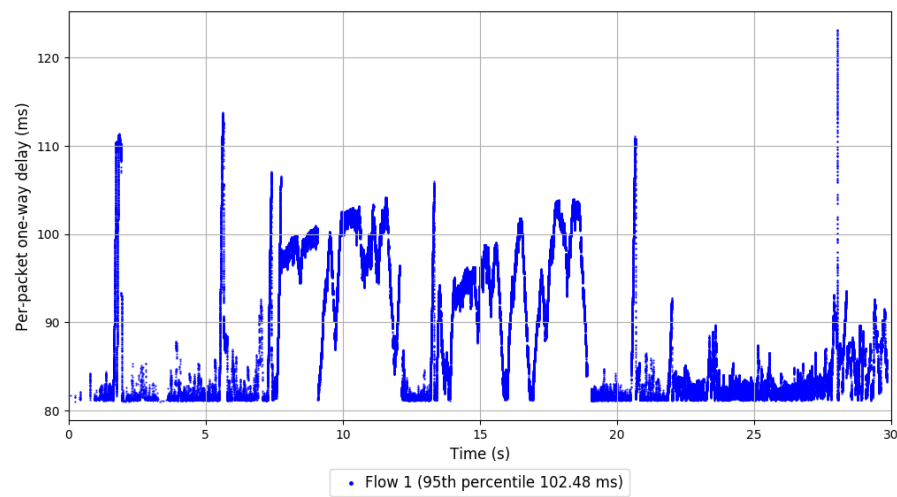
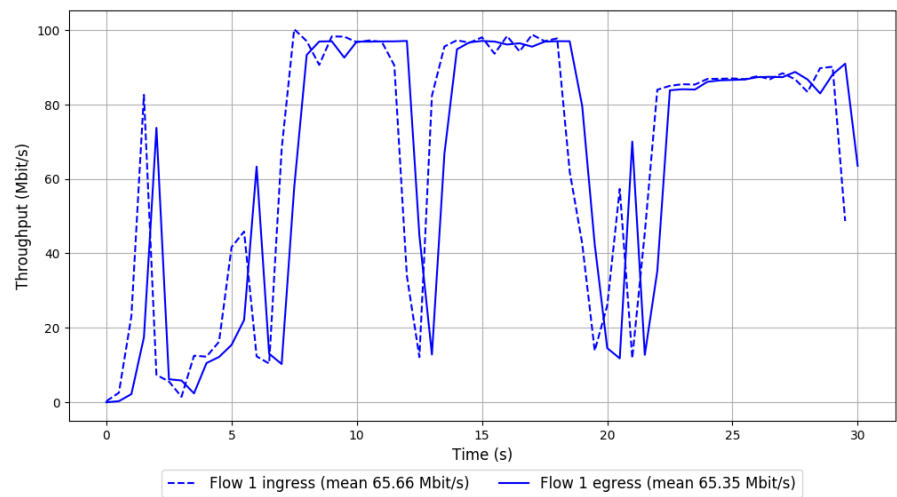
-- Flow 1:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 102.484 ms

Loss rate: 0.47%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-21 20:48:03

End at: 2018-08-21 20:48:33

Local clock offset: -5.218 ms

Remote clock offset: 5.522 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.04 Mbit/s

95th percentile per-packet one-way delay: 107.830 ms

Loss rate: 0.45%

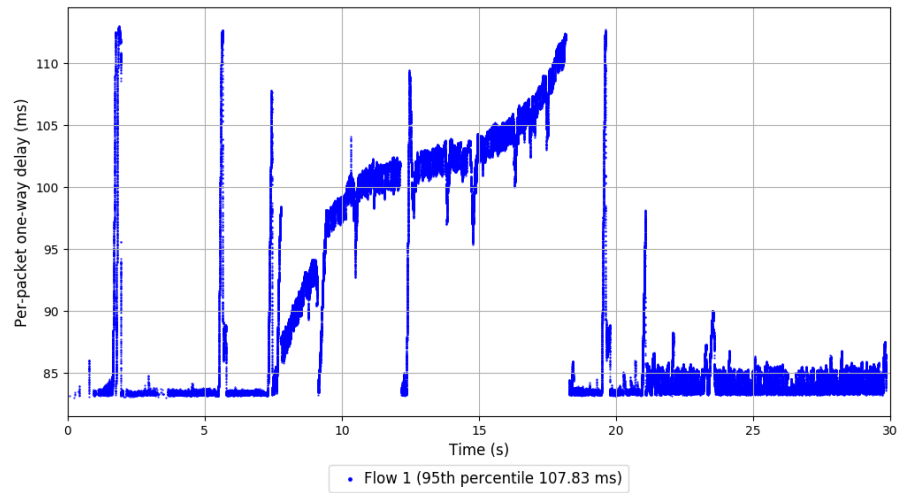
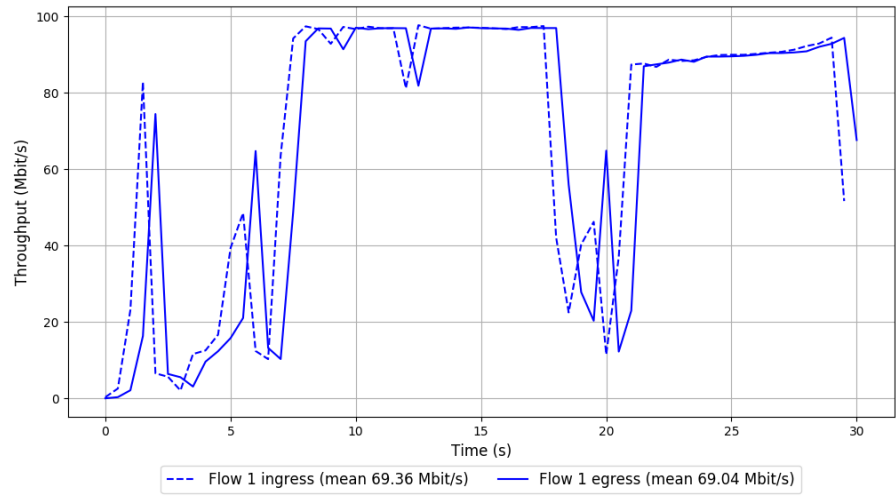
-- Flow 1:

Average throughput: 69.04 Mbit/s

95th percentile per-packet one-way delay: 107.830 ms

Loss rate: 0.45%

## Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

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

End at: 2018-08-21 21:08:32

Local clock offset: -5.428 ms

Remote clock offset: 7.382 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.10 Mbit/s

95th percentile per-packet one-way delay: 99.196 ms

Loss rate: 0.40%

-- Flow 1:

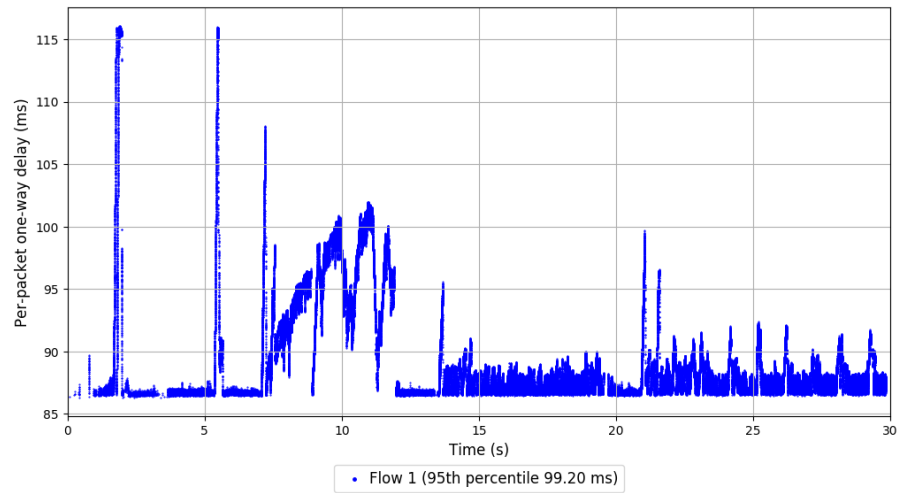
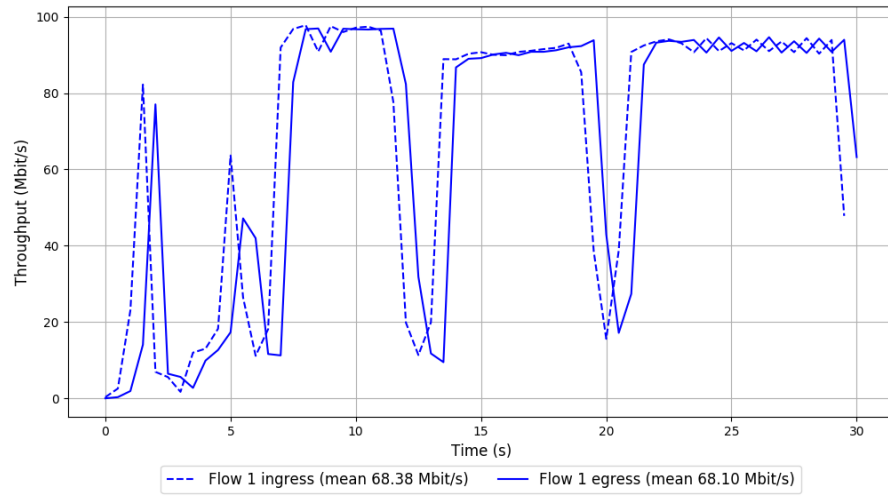
Average throughput: 68.10 Mbit/s

95th percentile per-packet one-way delay: 99.196 ms

Loss rate: 0.40%



## Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-21 21:27:59

End at: 2018-08-21 21:28:29

Local clock offset: -4.942 ms

Remote clock offset: 7.72 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 105.890 ms

Loss rate: 0.41%

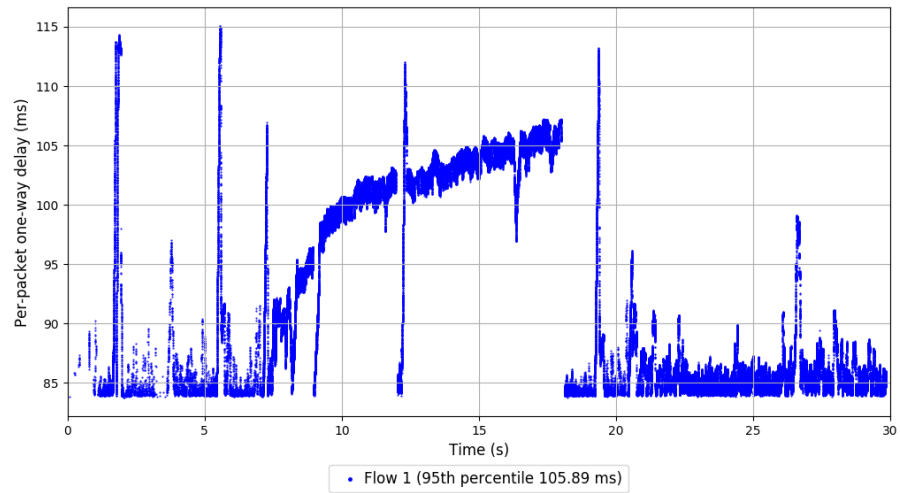
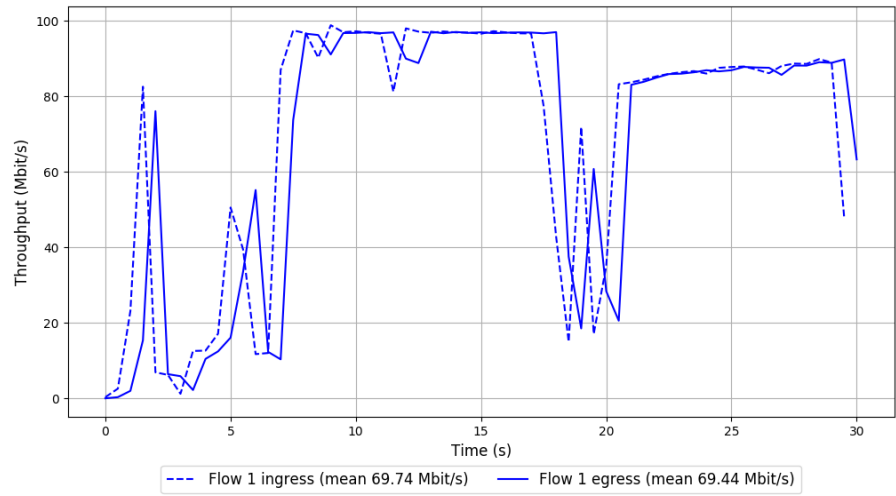
-- Flow 1:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 105.890 ms

Loss rate: 0.41%

## Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-21 21:47:51

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

Local clock offset: -4.192 ms

Remote clock offset: 8.047 ms

# Below is generated by plot.py at 2018-08-21 22:32:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 103.420 ms

Loss rate: 0.38%

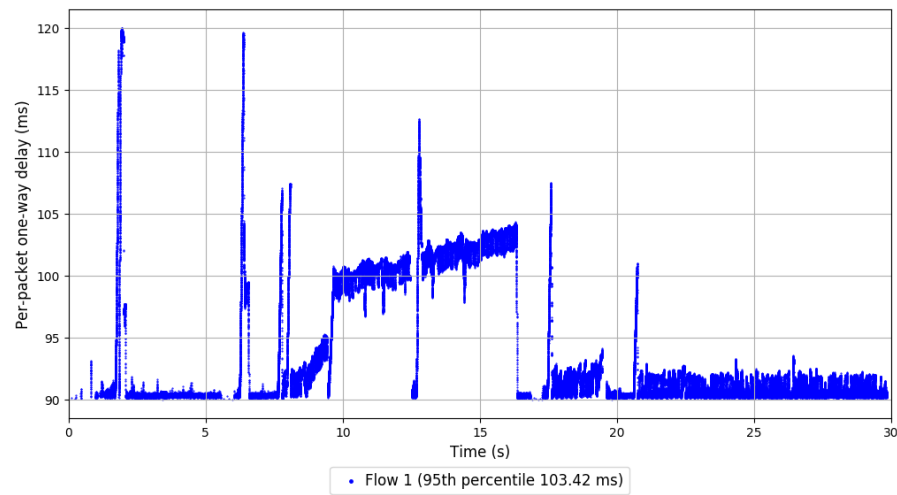
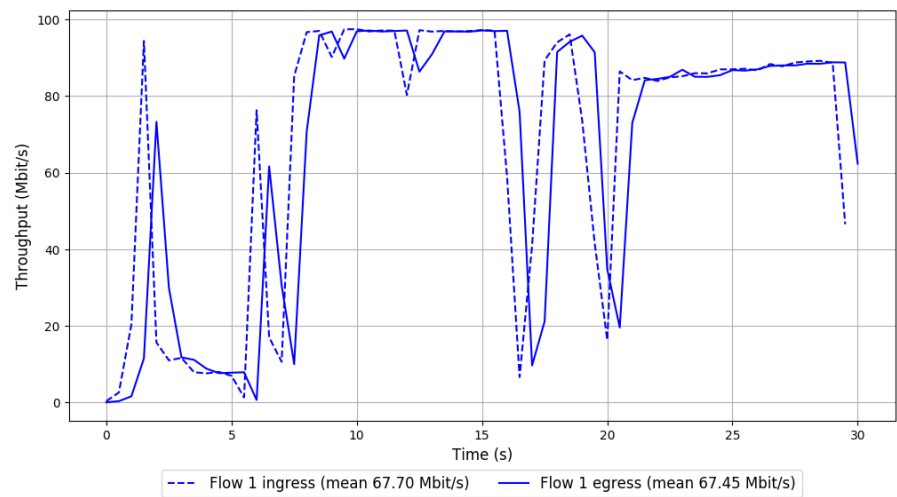
-- Flow 1:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 103.420 ms

Loss rate: 0.38%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-21 22:07:44

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

Local clock offset: -5.212 ms

Remote clock offset: 12.73 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 109.959 ms

Loss rate: 0.43%

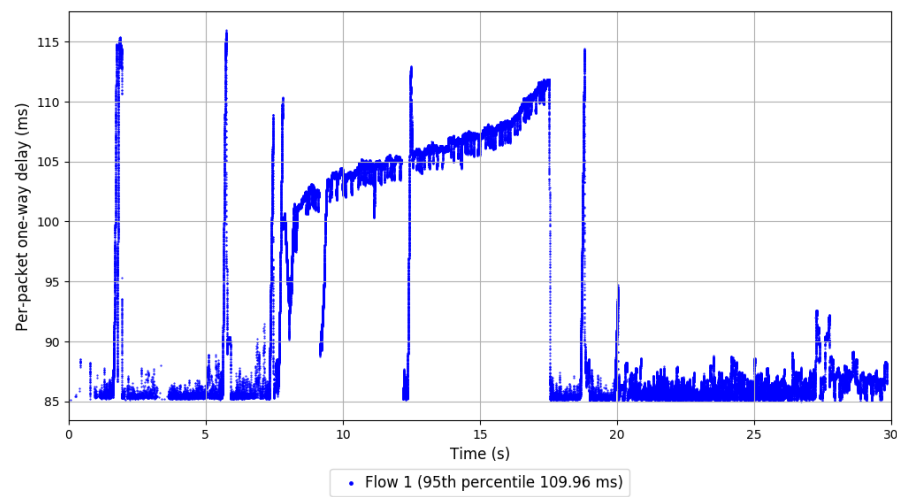
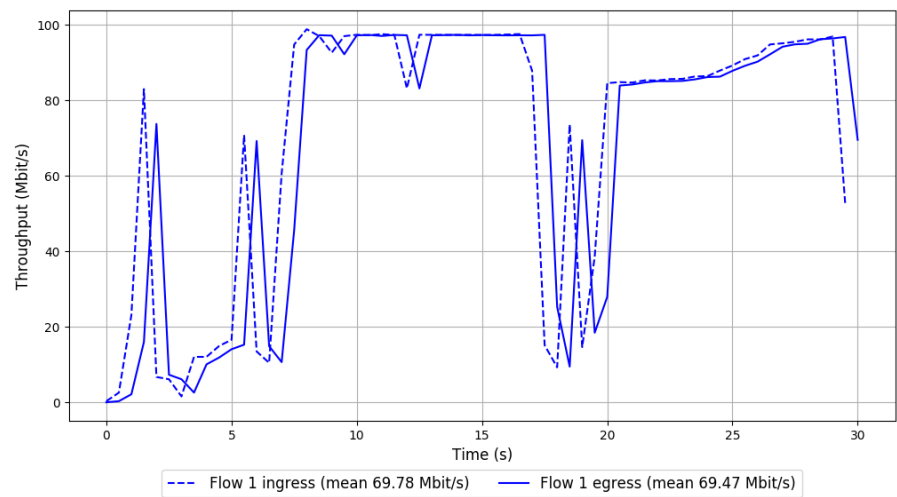
-- Flow 1:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 109.959 ms

Loss rate: 0.43%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-08-21 19:13:18

End at: 2018-08-21 19:13:48

Local clock offset: -4.912 ms

Remote clock offset: 1.494 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.808 ms

Loss rate: 0.00%

-- Flow 1:

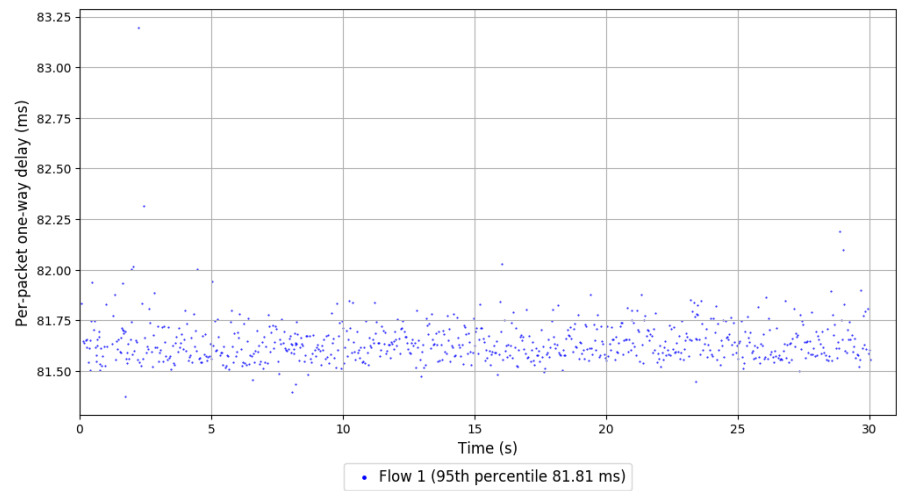
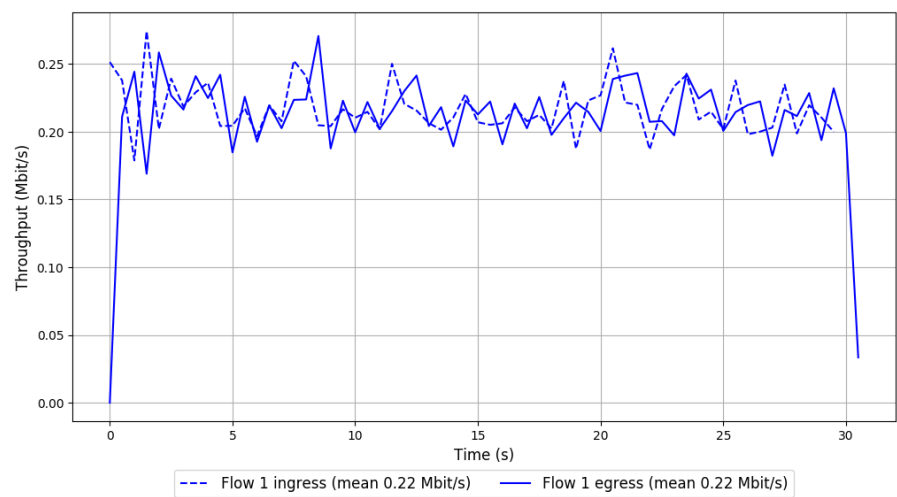
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.808 ms

Loss rate: 0.00%



Run 1: Report of SReAM — Data Link

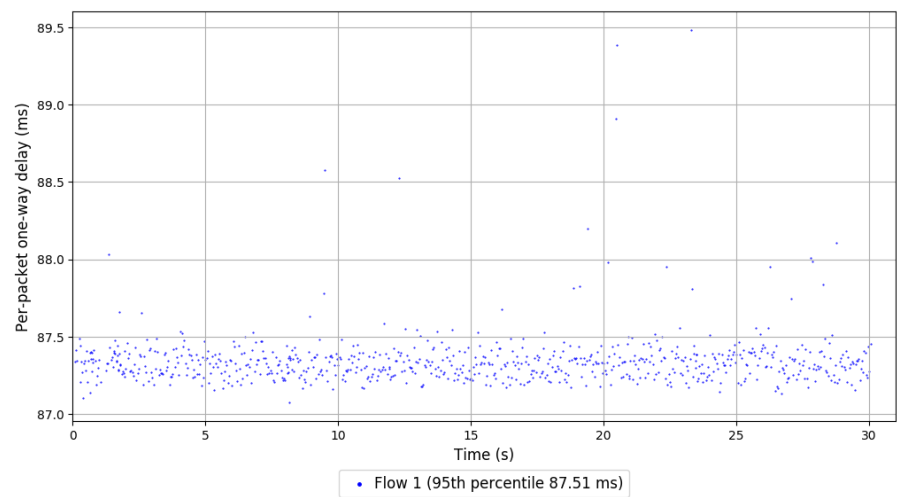
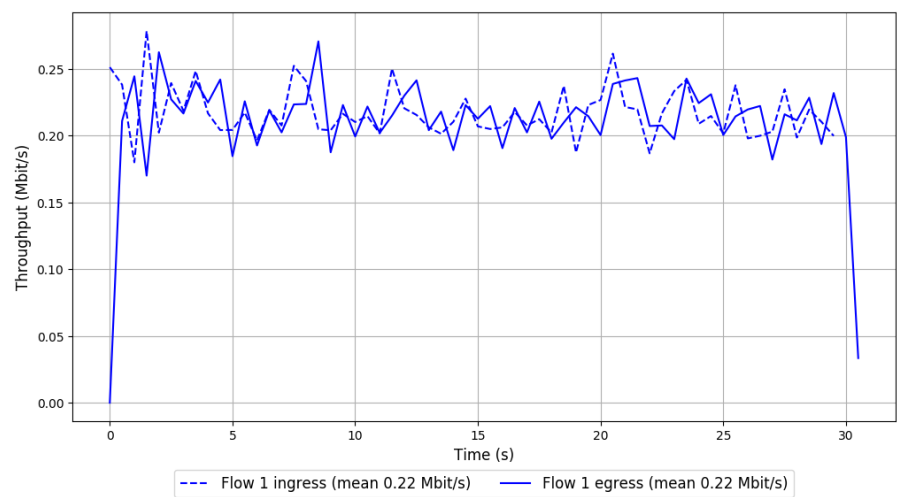


```
Run 2: Statistics of SCReAM

Start at: 2018-08-21 19:33:12
End at: 2018-08-21 19:33:42
Local clock offset: -5.481 ms
Remote clock offset: 6.405 ms

# Below is generated by plot.py at 2018-08-21 22:32:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.511 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-21 19:53:03

End at: 2018-08-21 19:53:33

Local clock offset: -5.816 ms

Remote clock offset: 3.254 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.113 ms

Loss rate: 0.00%

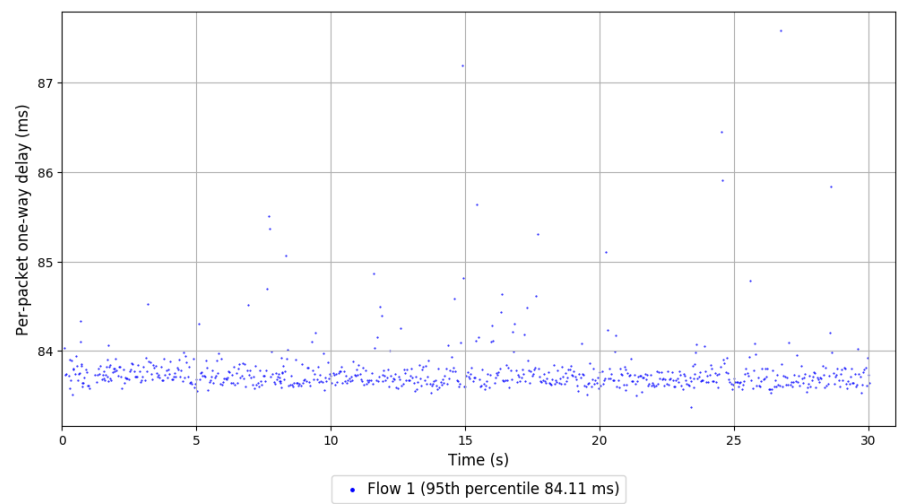
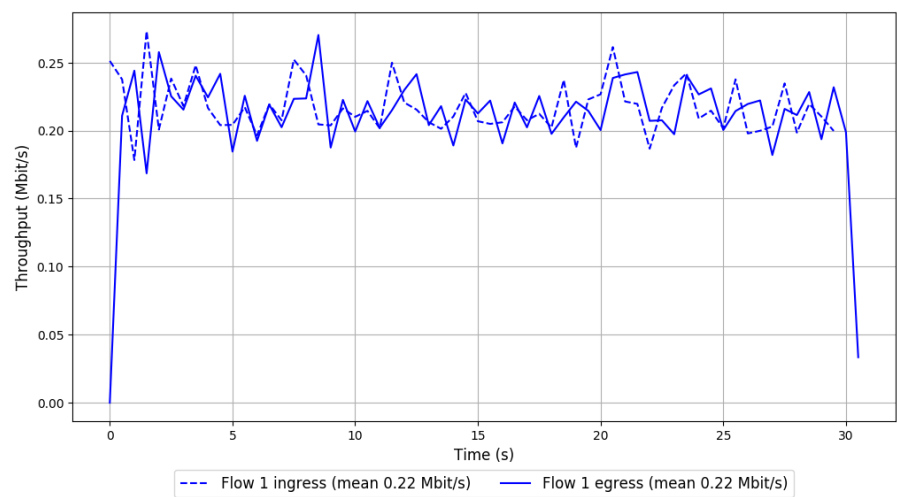
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.113 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-21 20:12:53

End at: 2018-08-21 20:13:23

Local clock offset: -4.653 ms

Remote clock offset: 3.123 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.514 ms

Loss rate: 0.00%

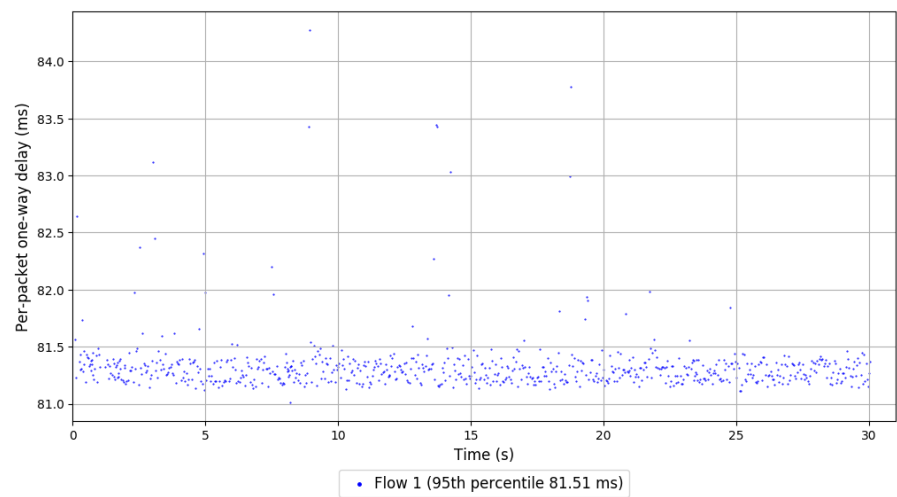
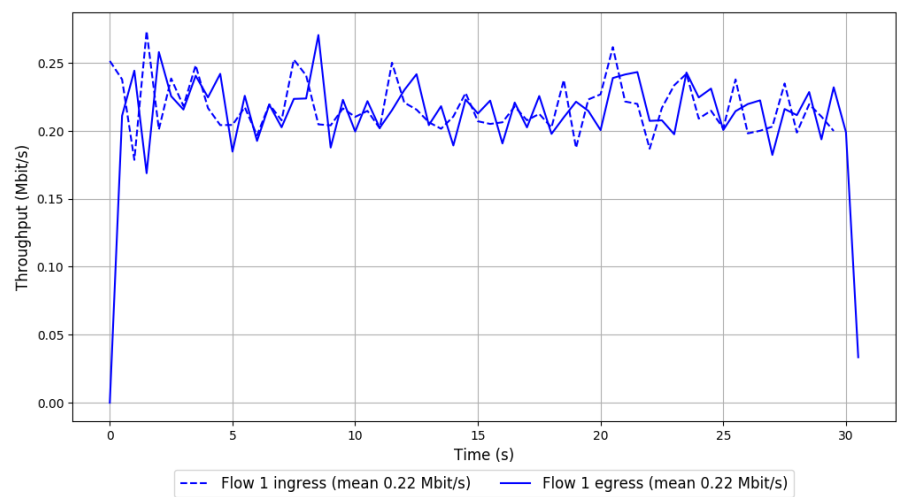
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.514 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-21 20:32:47

End at: 2018-08-21 20:33:17

Local clock offset: -4.989 ms

Remote clock offset: 7.767 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 84.654 ms

Loss rate: 0.00%

-- Flow 1:

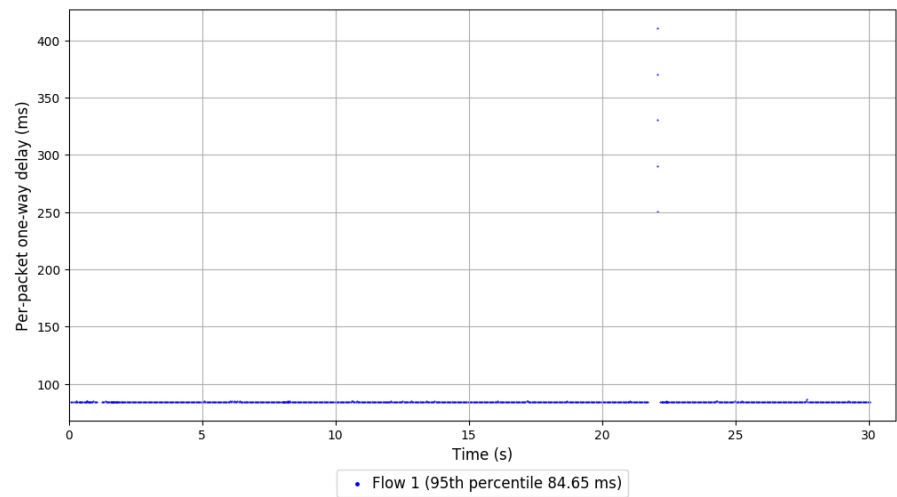
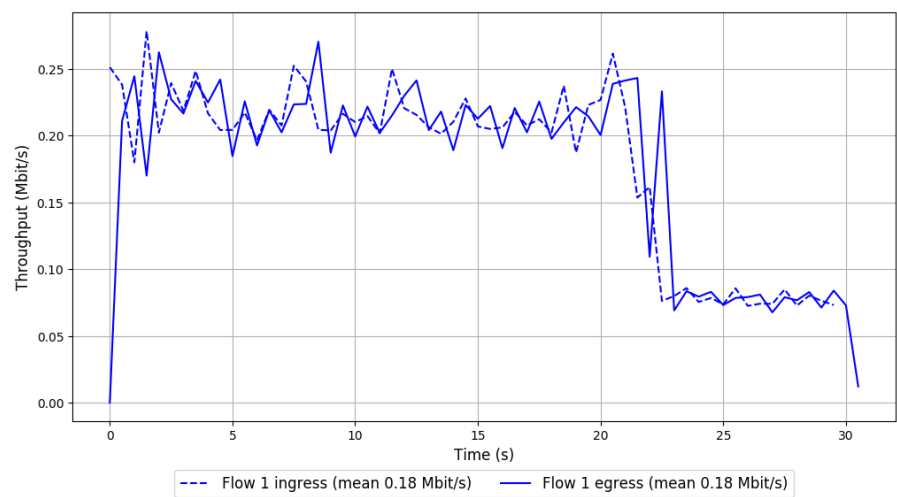
Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 84.654 ms

Loss rate: 0.00%



Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-21 20:52:40

End at: 2018-08-21 20:53:10

Local clock offset: -4.604 ms

Remote clock offset: 5.042 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.100 ms

Loss rate: 0.00%

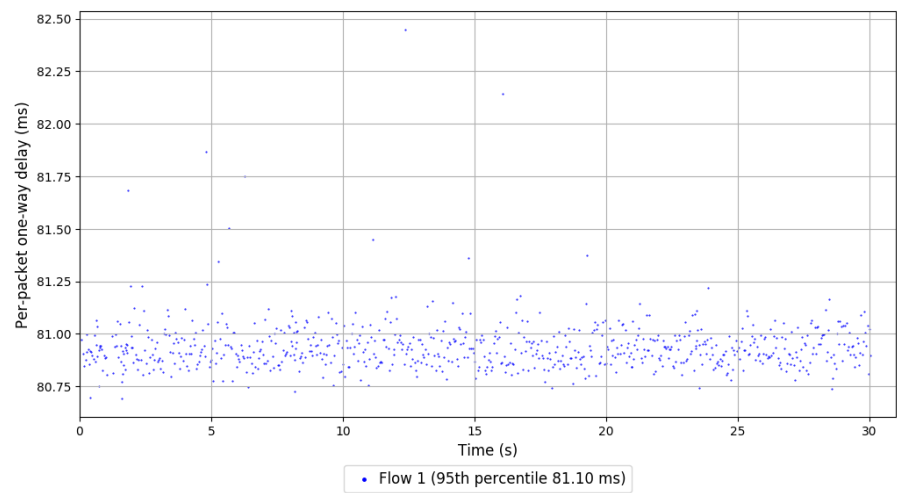
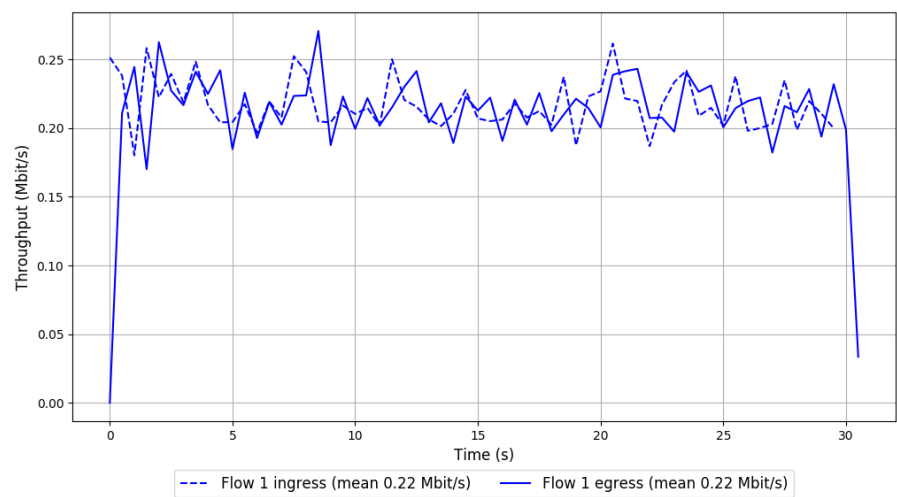
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.100 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-21 21:12:39

End at: 2018-08-21 21:13:09

Local clock offset: -4.433 ms

Remote clock offset: 9.598 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.417 ms

Loss rate: 0.00%

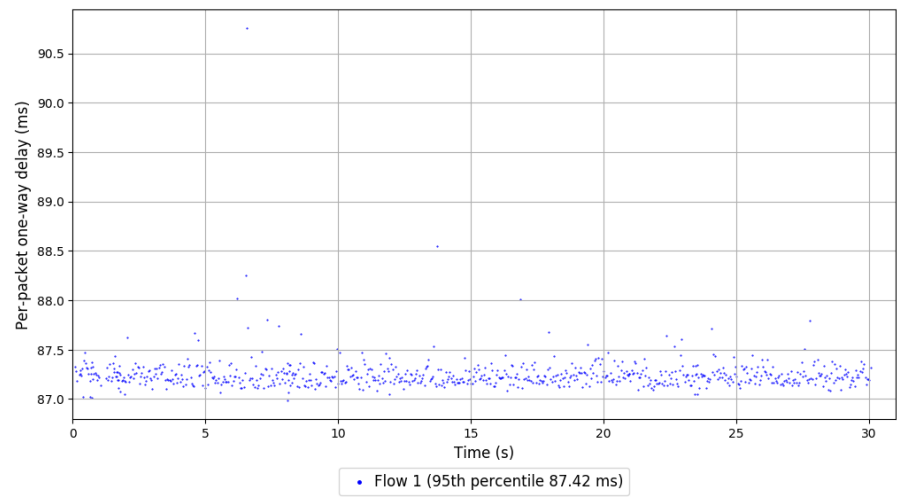
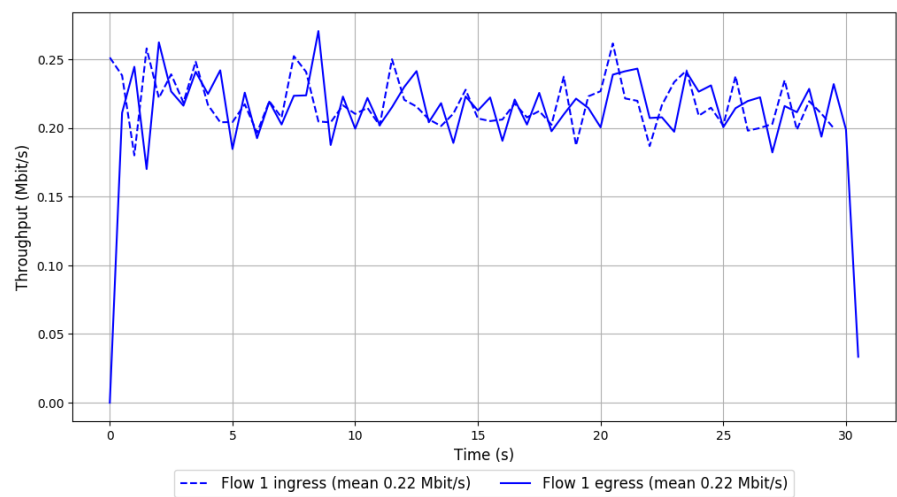
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.417 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-21 21:32:36

End at: 2018-08-21 21:33:06

Local clock offset: -4.244 ms

Remote clock offset: 5.005 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.722 ms

Loss rate: 0.00%

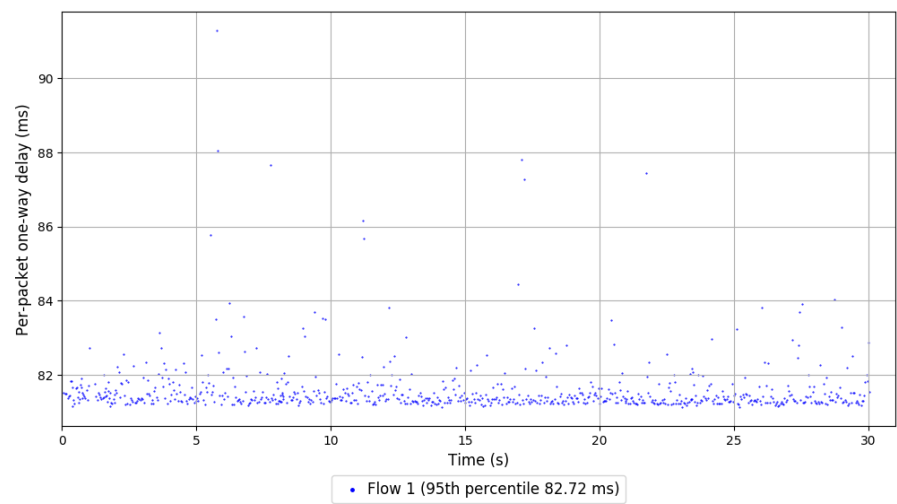
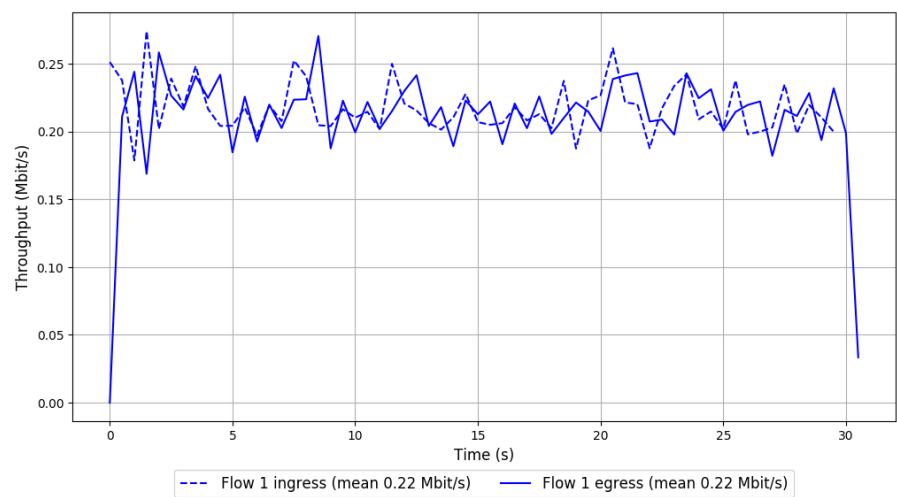
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.722 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-21 21:52:28

End at: 2018-08-21 21:52:59

Local clock offset: -3.44 ms

Remote clock offset: 4.181 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.298 ms

Loss rate: 0.00%

-- Flow 1:

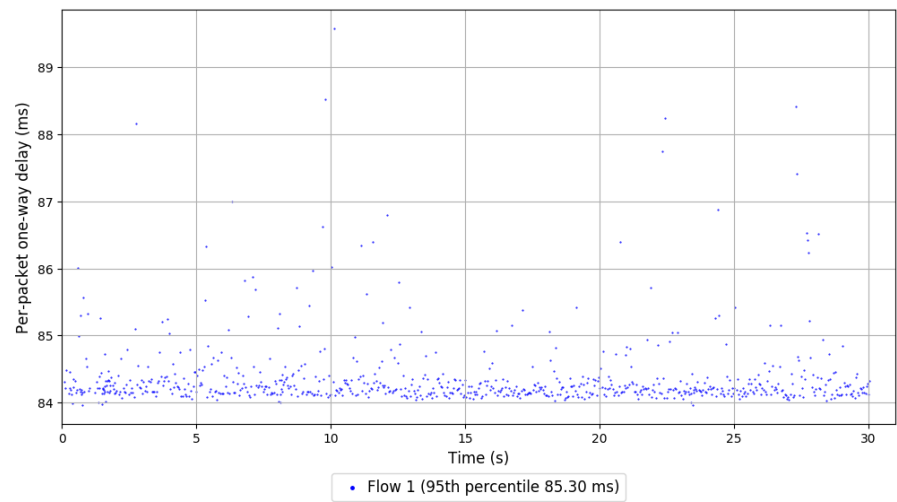
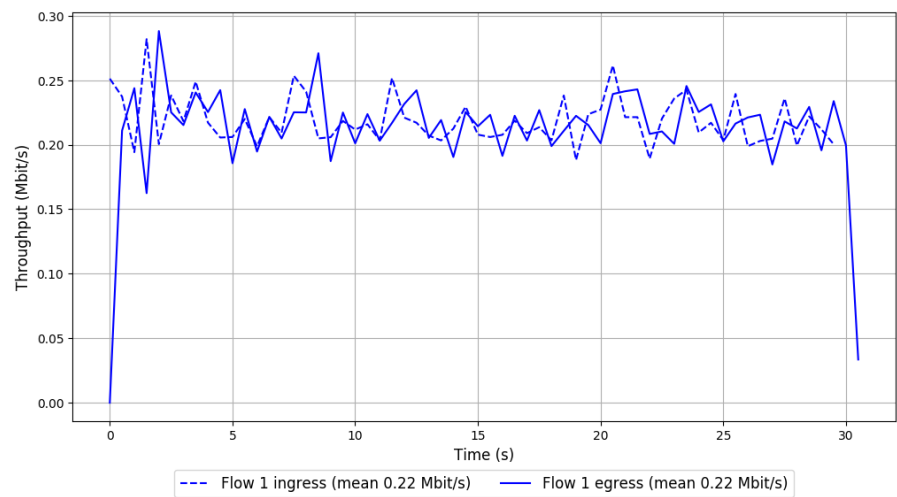
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.298 ms

Loss rate: 0.00%



Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-21 22:12:22

End at: 2018-08-21 22:12:52

Local clock offset: -5.75 ms

Remote clock offset: 8.448 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.435 ms

Loss rate: 0.00%

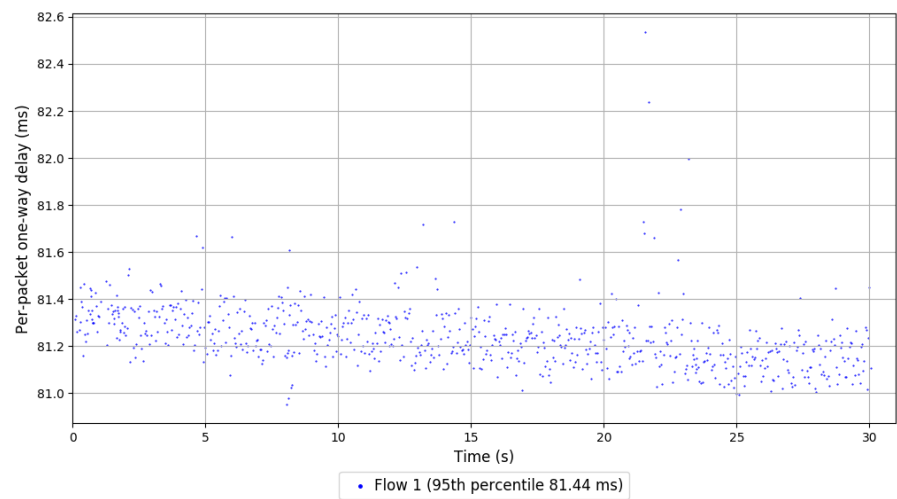
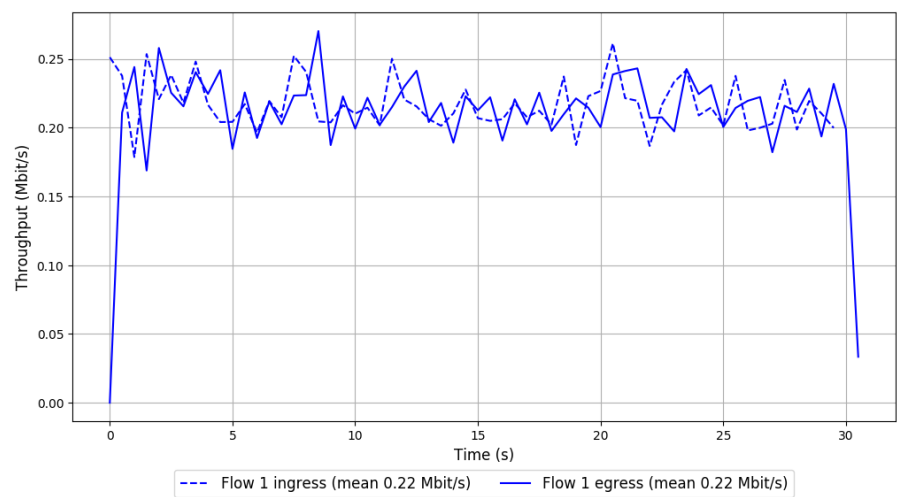
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.435 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-21 19:09:50

End at: 2018-08-21 19:10:20

Local clock offset: -6.866 ms

Remote clock offset: 4.213 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.847 ms

Loss rate: 0.00%

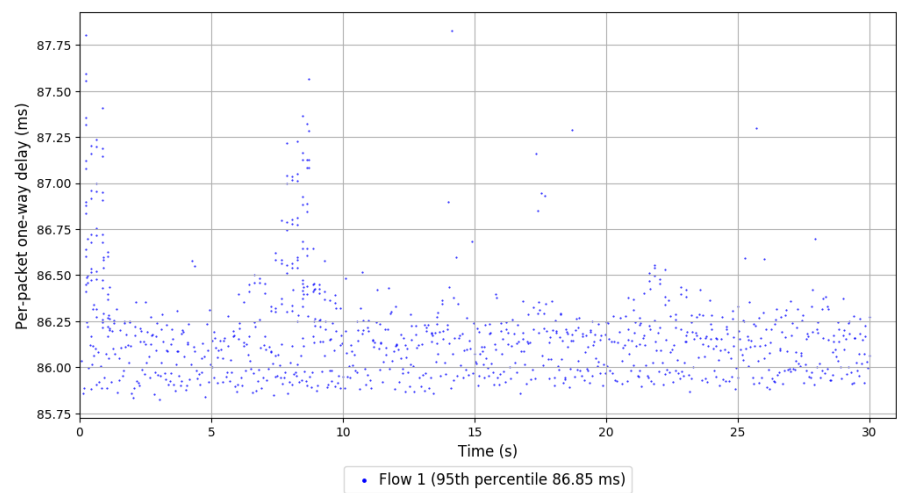
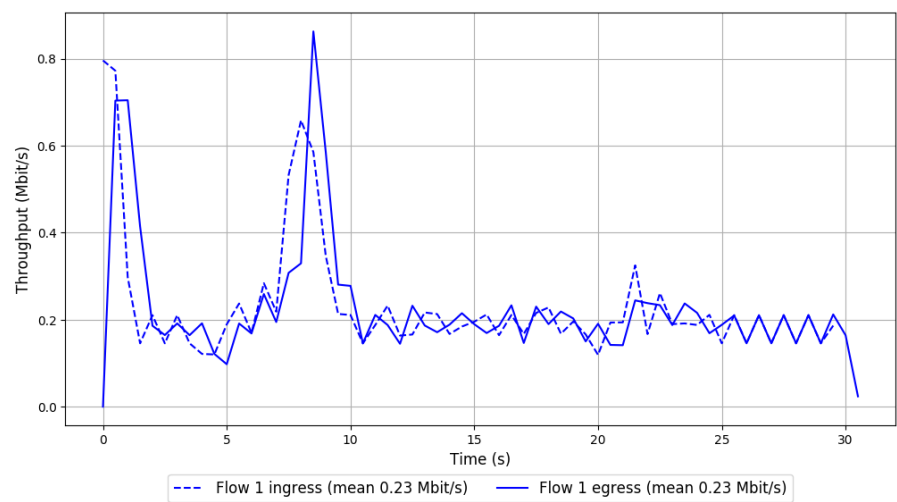
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.847 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

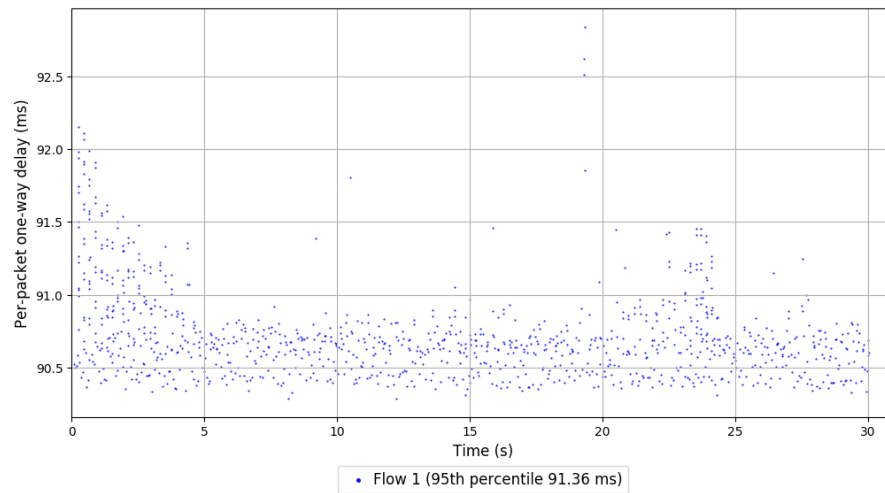
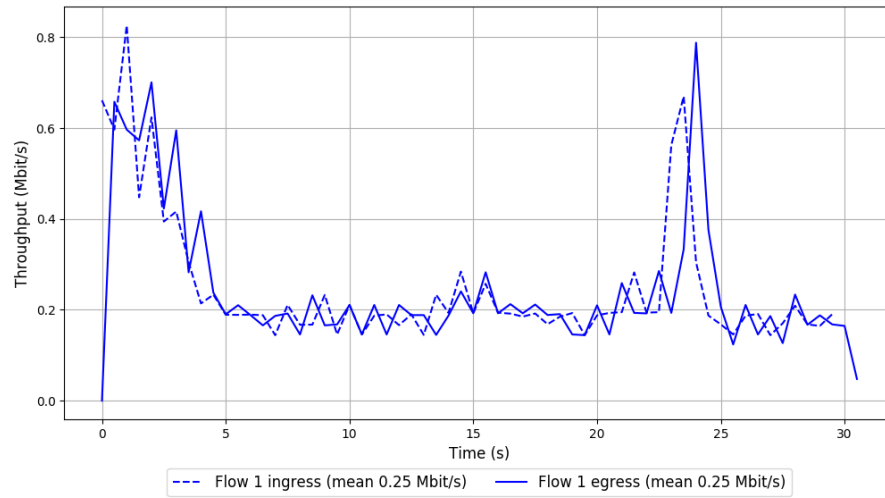


Run 2: Statistics of Sprout

Start at: 2018-08-21 19:29:45  
End at: 2018-08-21 19:30:15  
Local clock offset: -4.588 ms  
Remote clock offset: 6.485 ms

# Below is generated by plot.py at 2018-08-21 22:32:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 91.362 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 91.362 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



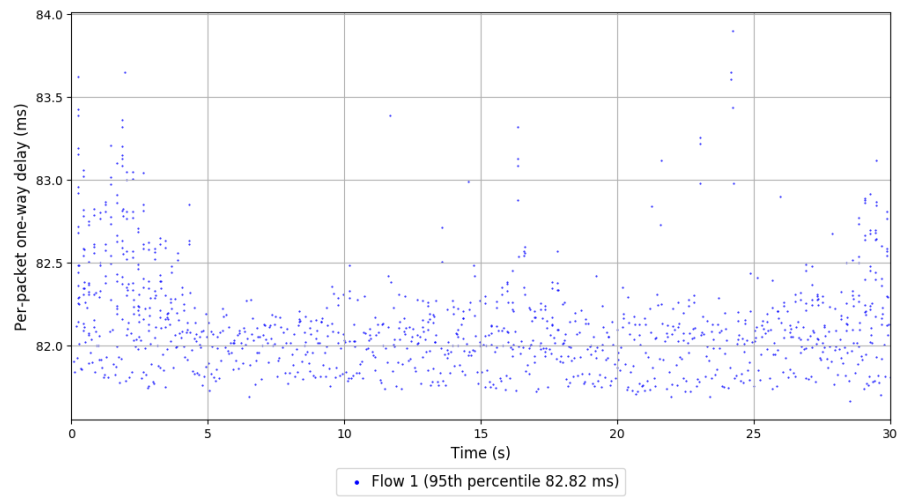
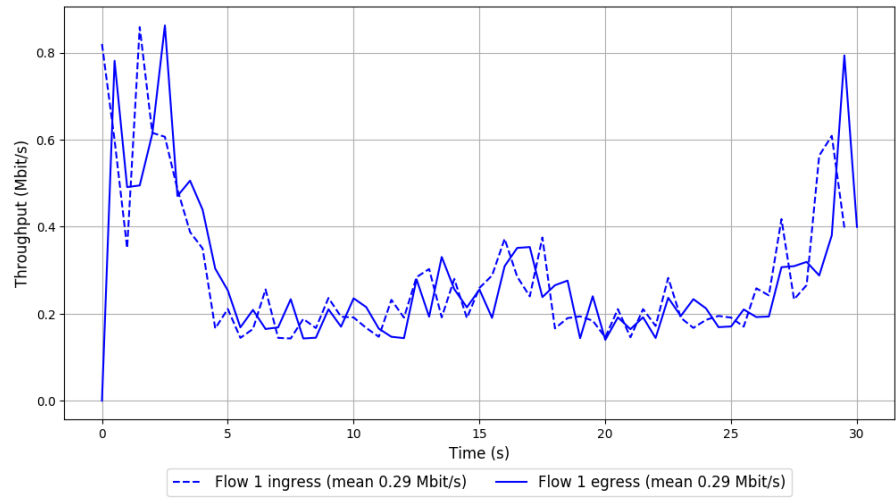
Run 3: Statistics of Sprout

Start at: 2018-08-21 19:49:36  
End at: 2018-08-21 19:50:06  
Local clock offset: -5.889 ms  
Remote clock offset: 1.792 ms

# Below is generated by plot.py at 2018-08-21 22:32:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 82.820 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 82.820 ms  
Loss rate: 0.00%



### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-21 20:09:26

End at: 2018-08-21 20:09:56

Local clock offset: -4.977 ms

Remote clock offset: 6.788 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.122 ms

Loss rate: 0.00%

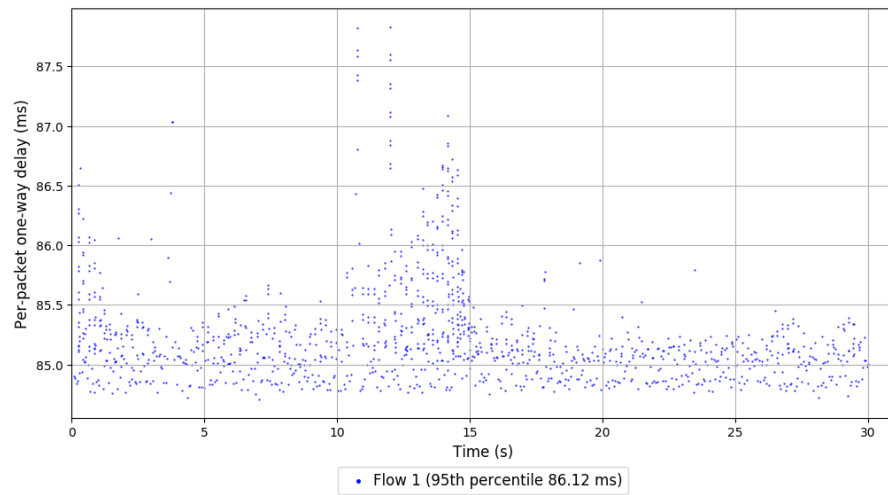
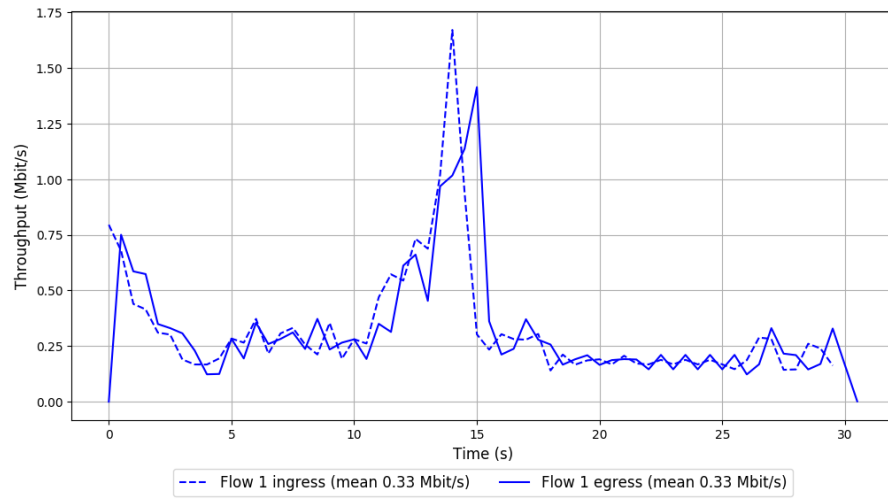
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.122 ms

Loss rate: 0.00%

#### Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

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

End at: 2018-08-21 20:29:50

Local clock offset: -3.395 ms

Remote clock offset: 3.766 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 80.396 ms

Loss rate: 0.00%

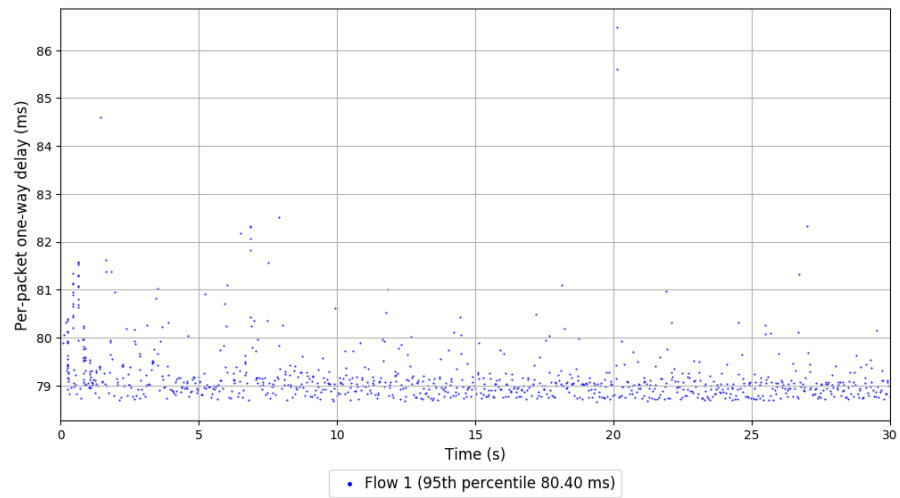
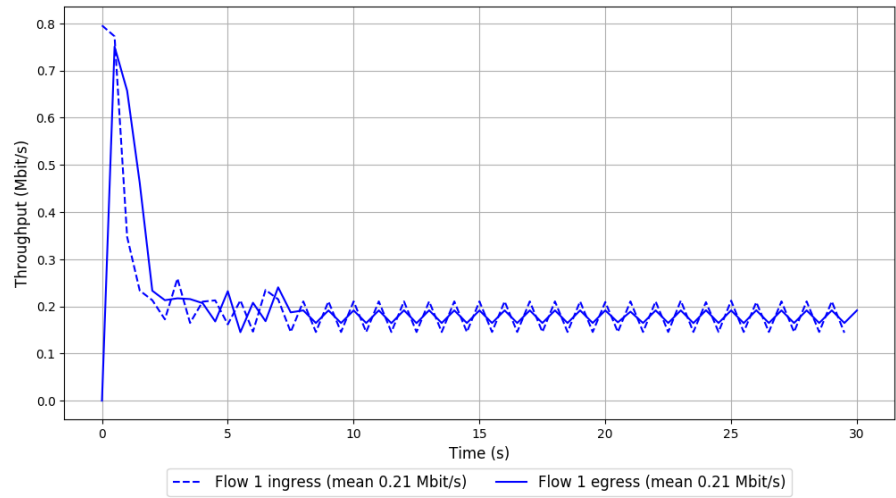
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 80.396 ms

Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link

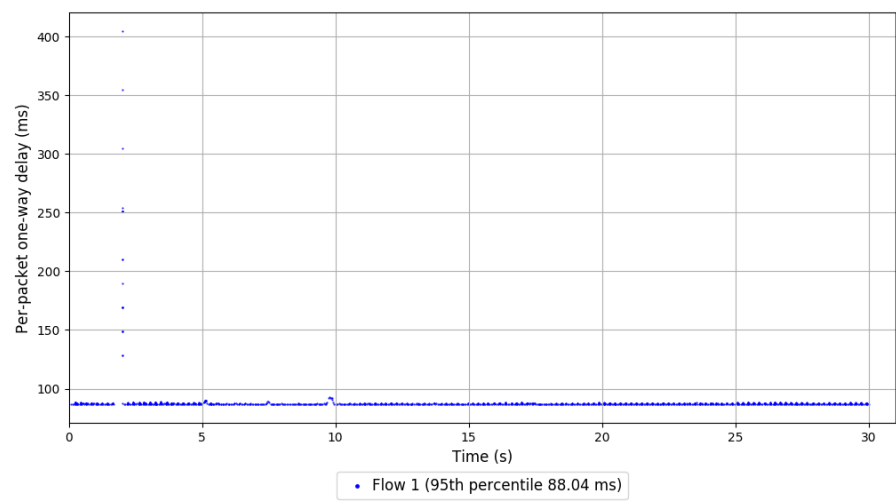
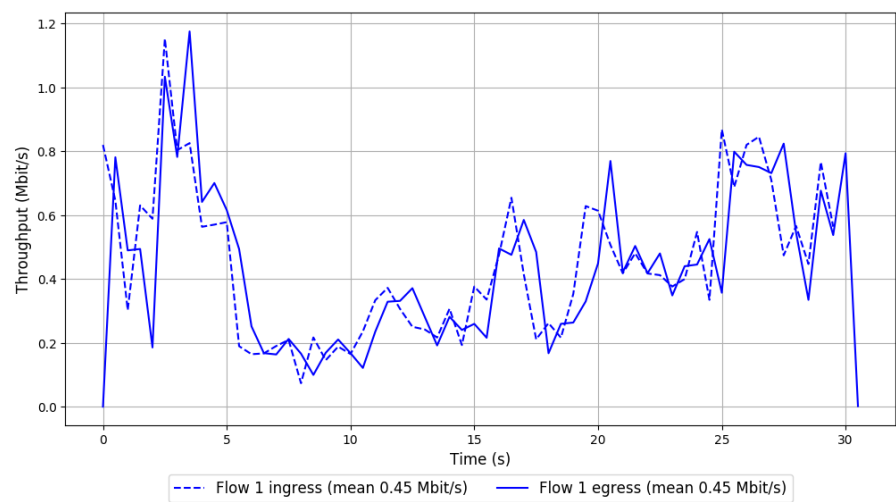


Run 6: Statistics of Sprout

Start at: 2018-08-21 20:49:13  
End at: 2018-08-21 20:49:43  
Local clock offset: -5.297 ms  
Remote clock offset: 9.25 ms

# Below is generated by plot.py at 2018-08-21 22:32:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 88.040 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 88.040 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



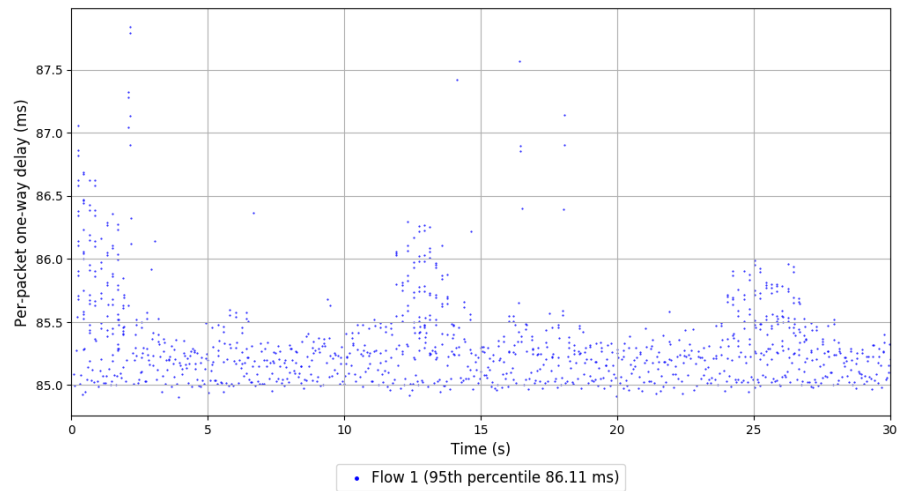
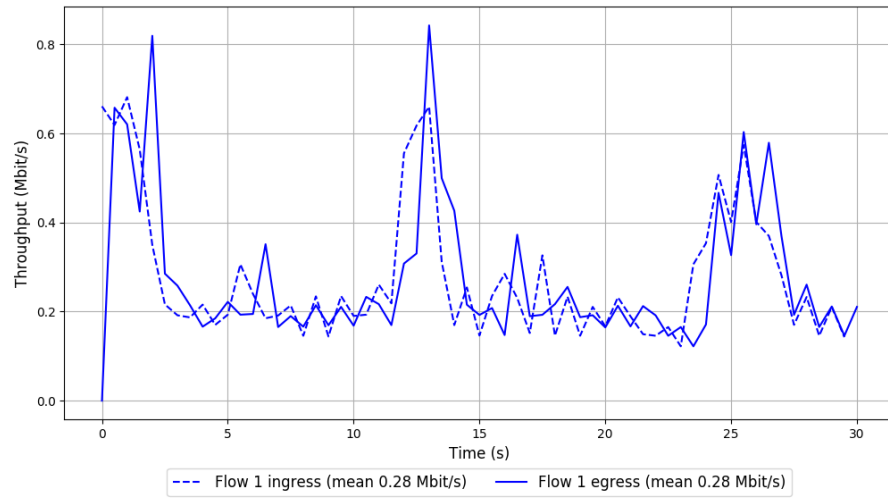
Run 7: Statistics of Sprout

Start at: 2018-08-21 21:09:12  
End at: 2018-08-21 21:09:42  
Local clock offset: -4.602 ms  
Remote clock offset: 7.452 ms

# Below is generated by plot.py at 2018-08-21 22:32:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.28 Mbit/s  
95th percentile per-packet one-way delay: 86.105 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.28 Mbit/s  
95th percentile per-packet one-way delay: 86.105 ms  
Loss rate: 0.00%



## Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-21 21:29:09

End at: 2018-08-21 21:29:39

Local clock offset: -4.182 ms

Remote clock offset: 3.821 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 81.149 ms

Loss rate: 0.00%

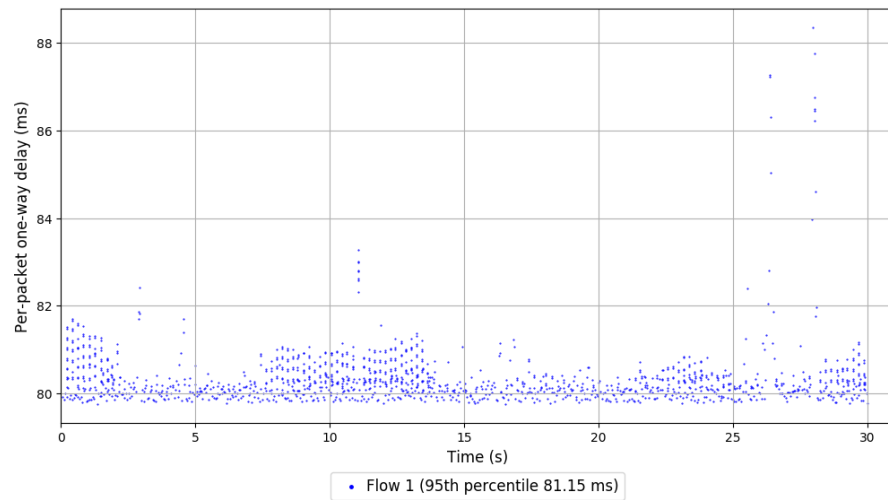
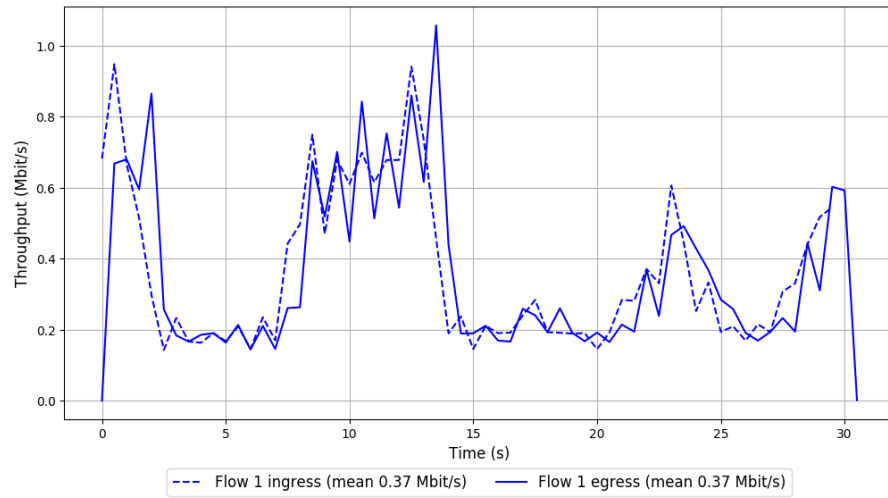
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 81.149 ms

Loss rate: 0.00%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-21 21:49:02

End at: 2018-08-21 21:49:32

Local clock offset: -4.2 ms

Remote clock offset: 9.168 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 85.839 ms

Loss rate: 0.00%

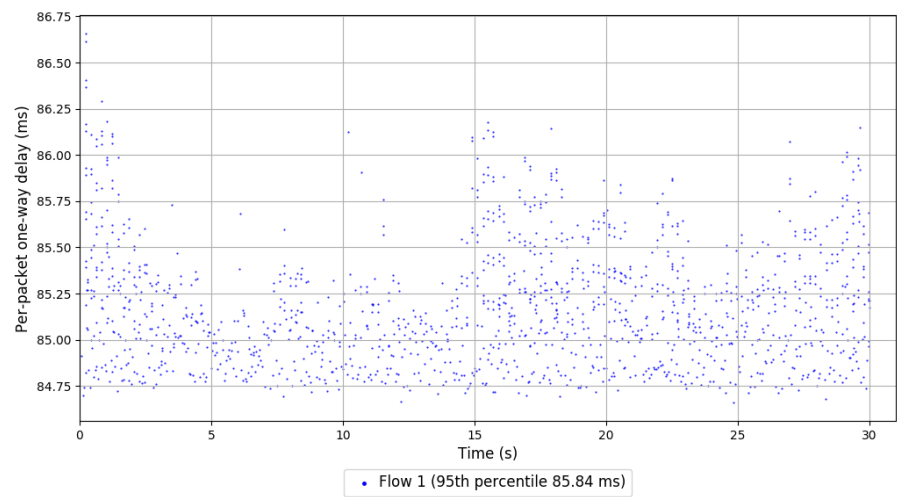
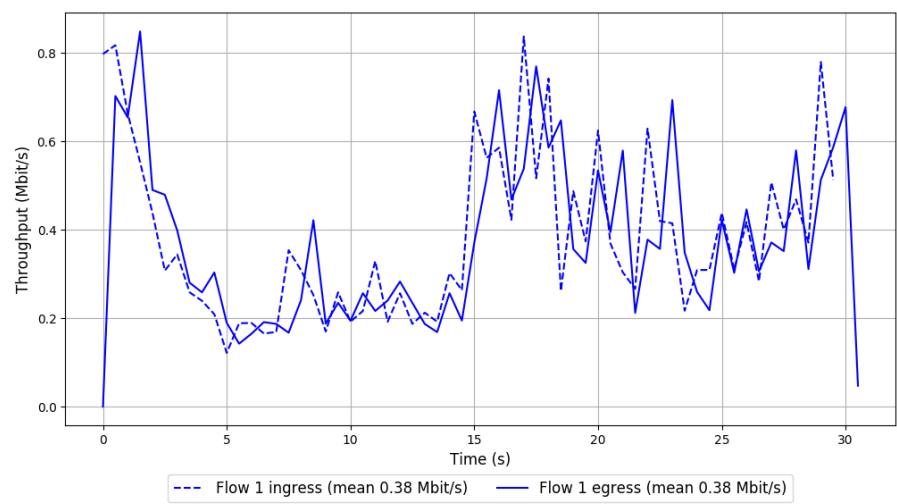
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 85.839 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-21 22:08:55

End at: 2018-08-21 22:09:25

Local clock offset: -5.551 ms

Remote clock offset: 7.831 ms

# Below is generated by plot.py at 2018-08-21 22:32:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 82.326 ms

Loss rate: 0.00%

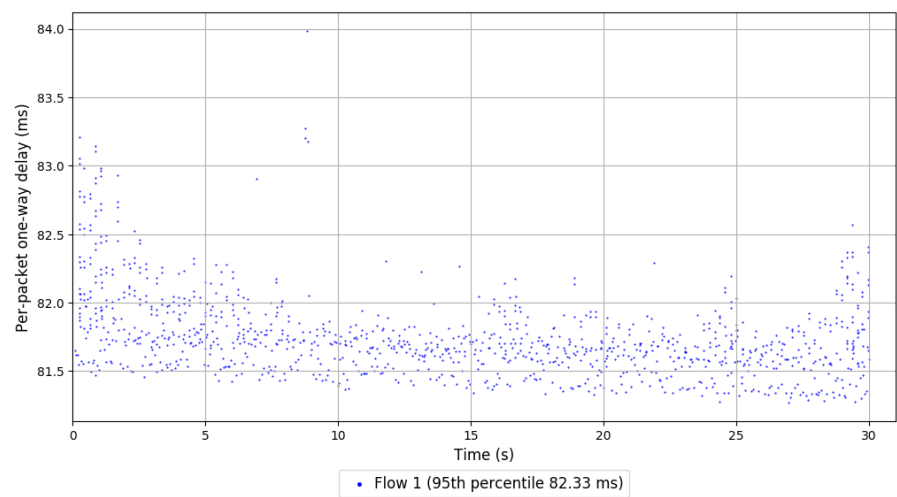
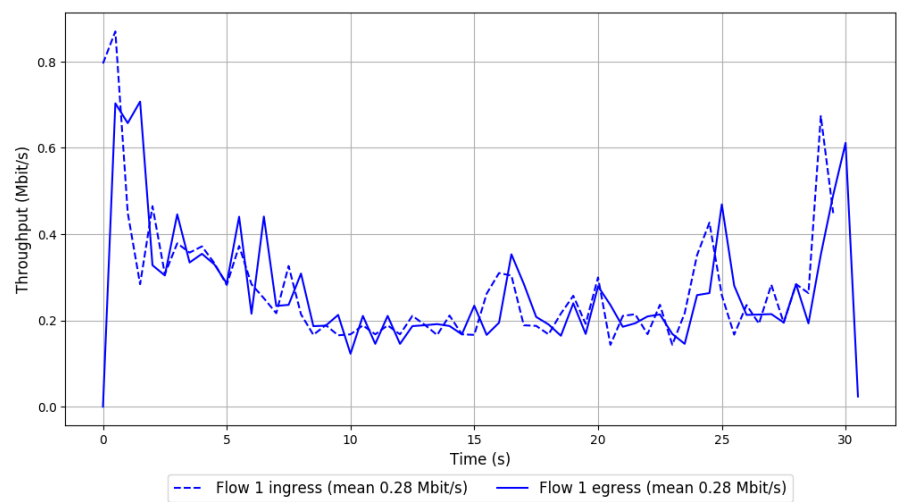
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 82.326 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



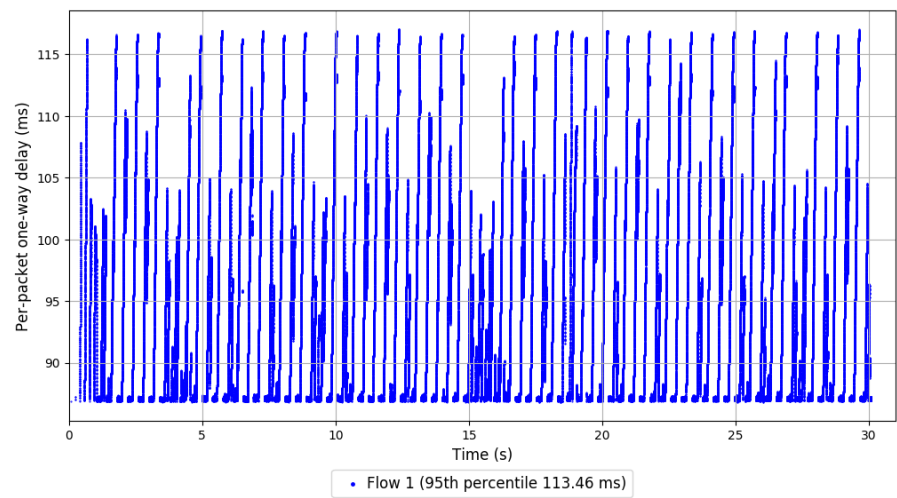
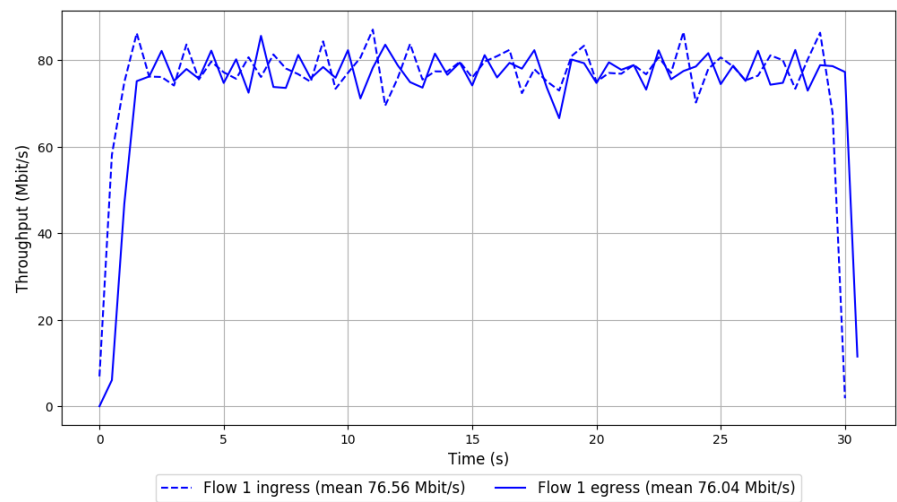
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-21 19:15:36
End at: 2018-08-21 19:16:06
Local clock offset: -6.329 ms
Remote clock offset: 5.36 ms

# Below is generated by plot.py at 2018-08-21 22:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 113.459 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 113.459 ms
Loss rate: 0.72%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-21 19:35:28

End at: 2018-08-21 19:35:58

Local clock offset: -4.736 ms

Remote clock offset: 6.592 ms

# Below is generated by plot.py at 2018-08-21 22:33:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 0.50%

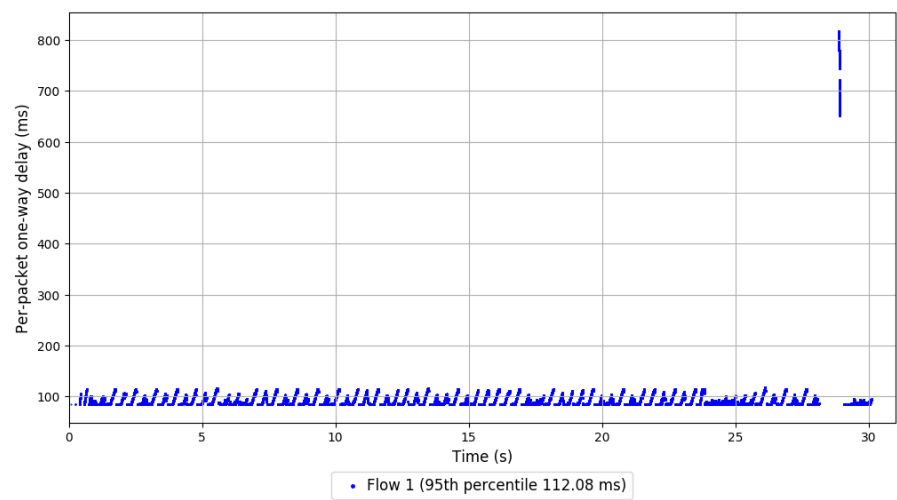
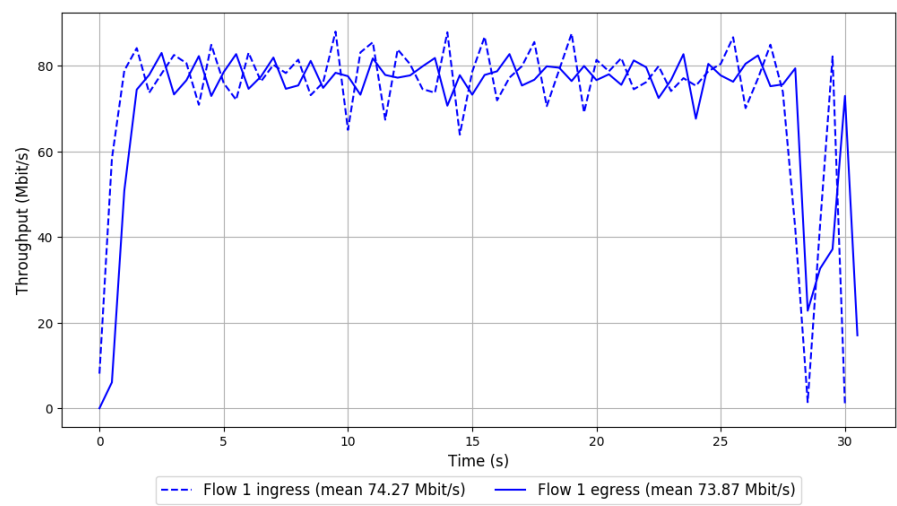
-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 112.084 ms

Loss rate: 0.50%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-21 19:55:20

End at: 2018-08-21 19:55:50

Local clock offset: -5.907 ms

Remote clock offset: 8.328 ms

# Below is generated by plot.py at 2018-08-21 22:33:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 113.196 ms

Loss rate: 0.57%

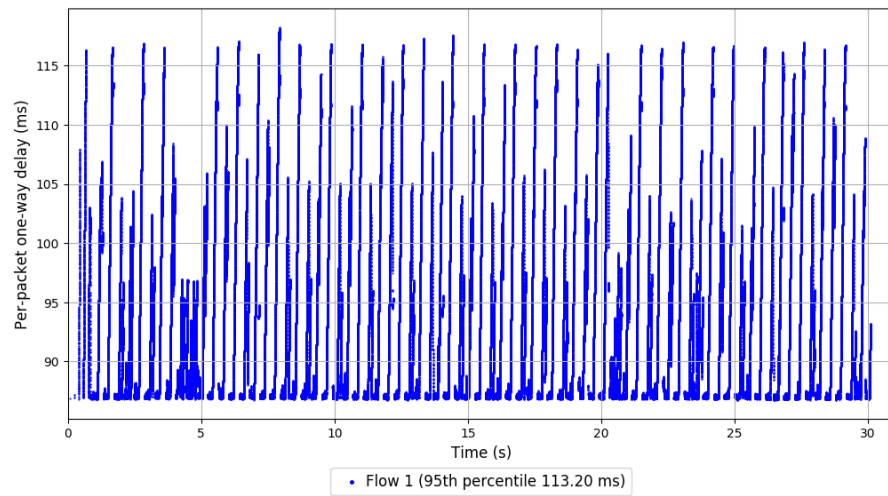
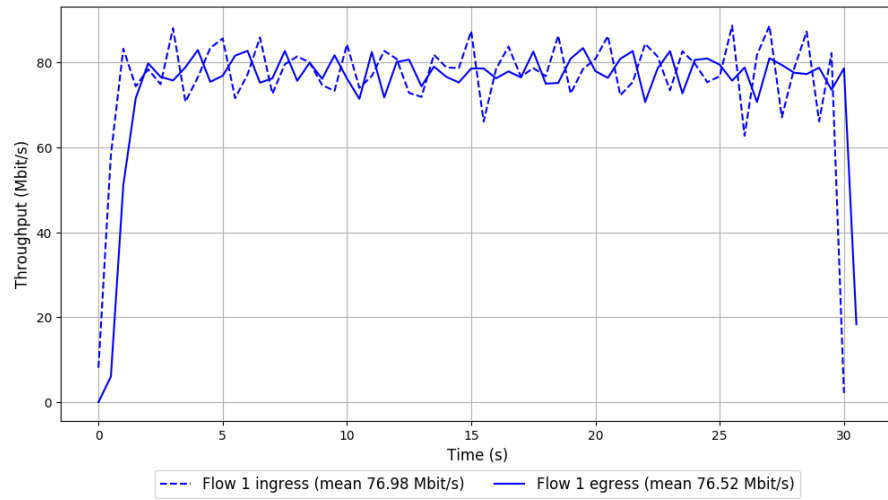
-- Flow 1:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 113.196 ms

Loss rate: 0.57%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-21 20:15:10

End at: 2018-08-21 20:15:40

Local clock offset: -4.591 ms

Remote clock offset: 4.181 ms

# Below is generated by plot.py at 2018-08-21 22:34:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.51 Mbit/s

95th percentile per-packet one-way delay: 107.757 ms

Loss rate: 0.65%

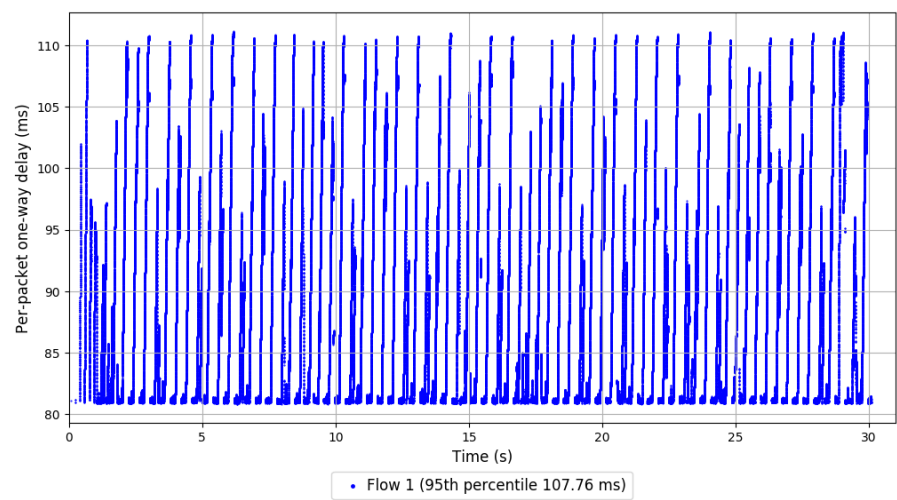
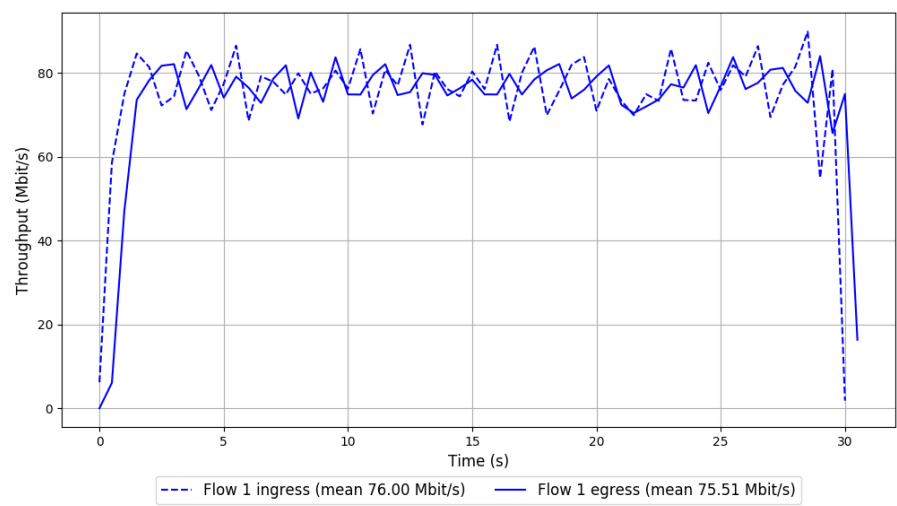
-- Flow 1:

Average throughput: 75.51 Mbit/s

95th percentile per-packet one-way delay: 107.757 ms

Loss rate: 0.65%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-21 20:35:04

End at: 2018-08-21 20:35:34

Local clock offset: -3.402 ms

Remote clock offset: 7.688 ms

# Below is generated by plot.py at 2018-08-21 22:34:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 108.902 ms

Loss rate: 0.28%

-- Flow 1:

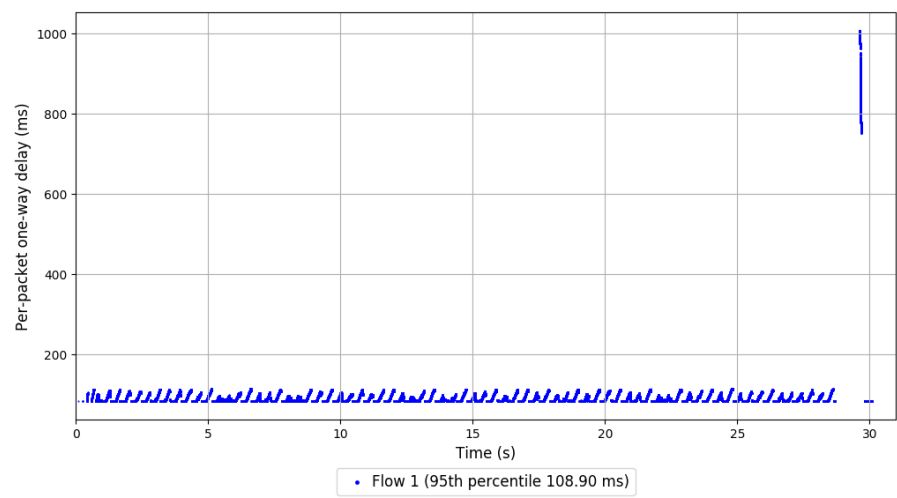
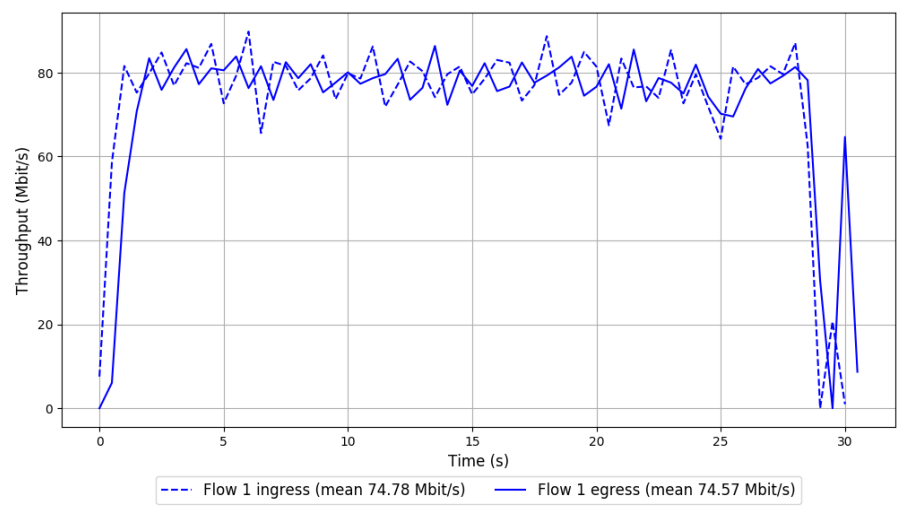
Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 108.902 ms

Loss rate: 0.28%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-21 20:54:57

End at: 2018-08-21 20:55:27

Local clock offset: -4.557 ms

Remote clock offset: 9.84 ms

# Below is generated by plot.py at 2018-08-21 22:34:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 113.227 ms

Loss rate: 0.41%

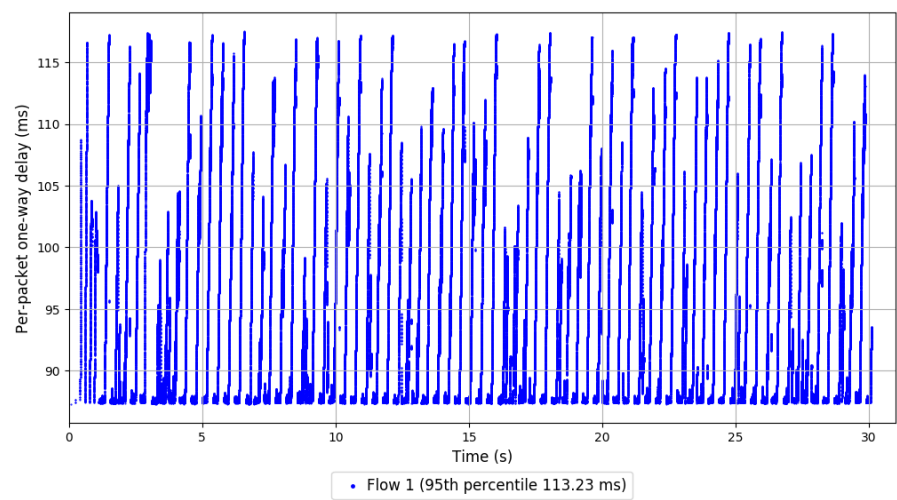
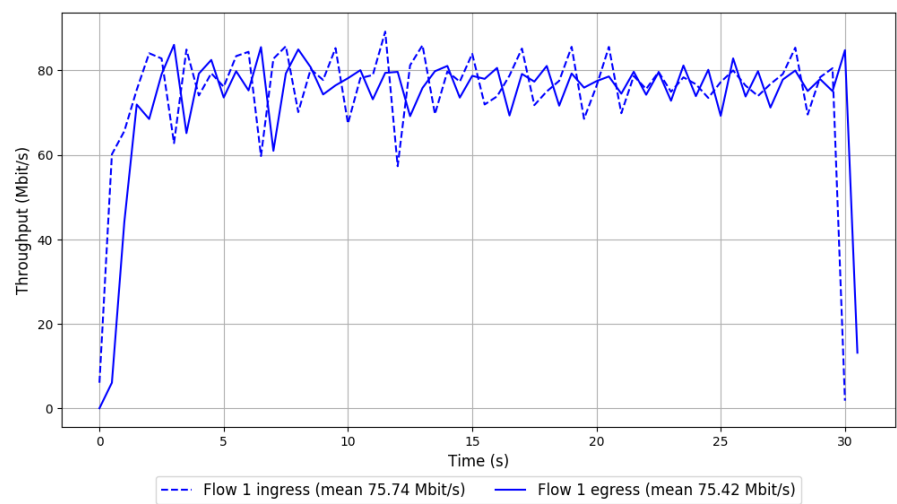
-- Flow 1:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 113.227 ms

Loss rate: 0.41%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-21 21:14:55

End at: 2018-08-21 21:15:25

Local clock offset: -3.597 ms

Remote clock offset: 8.603 ms

# Below is generated by plot.py at 2018-08-21 22:34:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.77 Mbit/s

95th percentile per-packet one-way delay: 106.783 ms

Loss rate: 0.25%

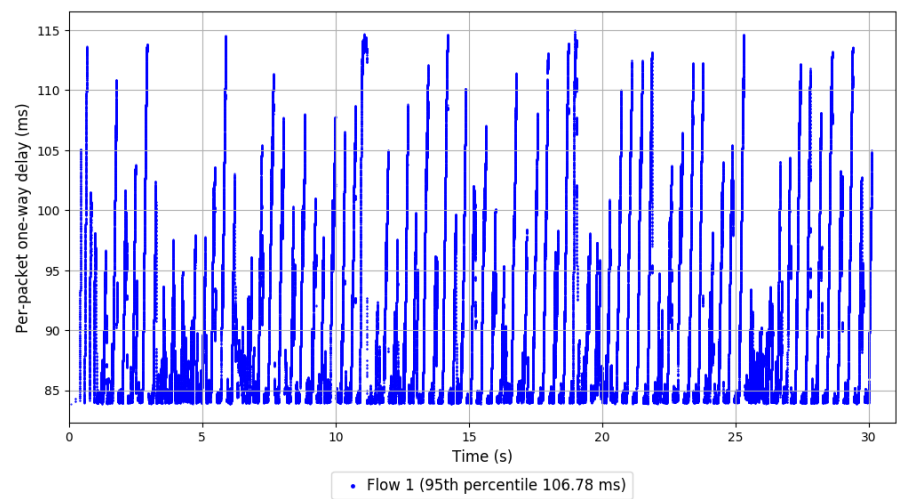
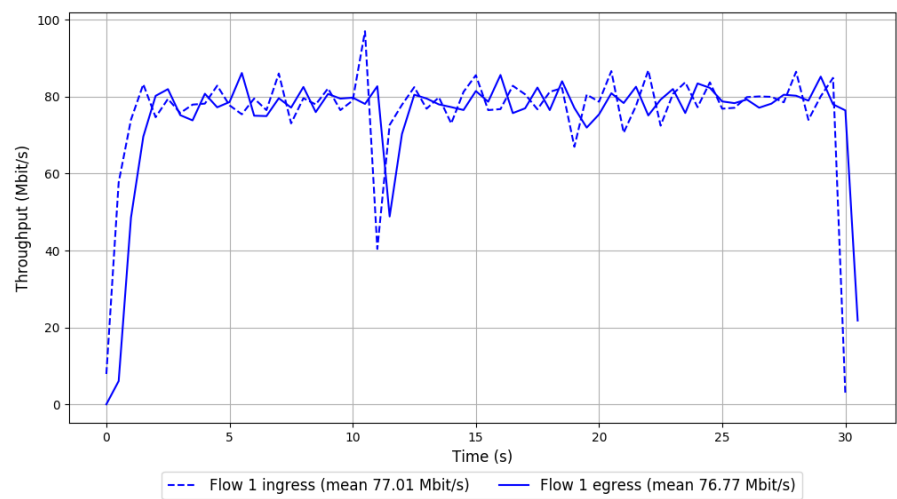
-- Flow 1:

Average throughput: 76.77 Mbit/s

95th percentile per-packet one-way delay: 106.783 ms

Loss rate: 0.25%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-21 21:34:53

End at: 2018-08-21 21:35:23

Local clock offset: -3.399 ms

Remote clock offset: 7.782 ms

# Below is generated by plot.py at 2018-08-21 22:34:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.72 Mbit/s

95th percentile per-packet one-way delay: 110.413 ms

Loss rate: 0.39%

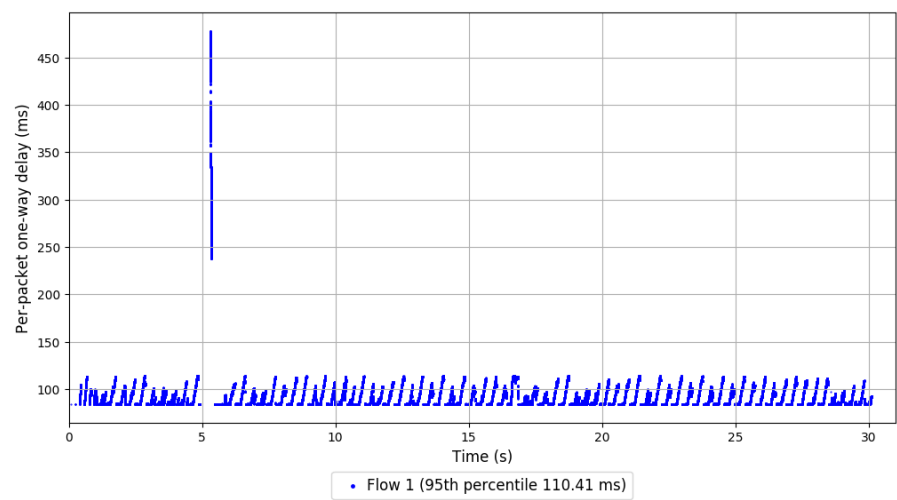
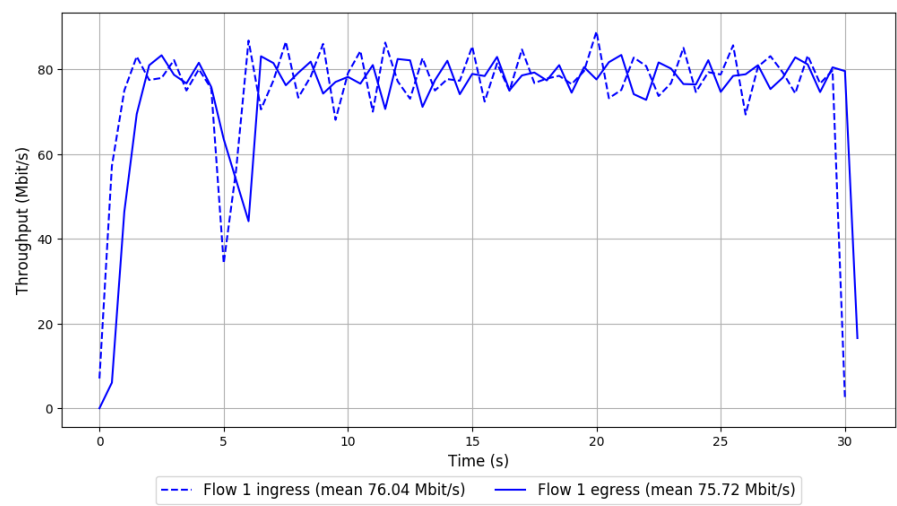
-- Flow 1:

Average throughput: 75.72 Mbit/s

95th percentile per-packet one-way delay: 110.413 ms

Loss rate: 0.39%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-21 21:54:45

End at: 2018-08-21 21:55:15

Local clock offset: -5.037 ms

Remote clock offset: 8.043 ms

# Below is generated by plot.py at 2018-08-21 22:35:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.02 Mbit/s

95th percentile per-packet one-way delay: 111.949 ms

Loss rate: 0.54%

-- Flow 1:

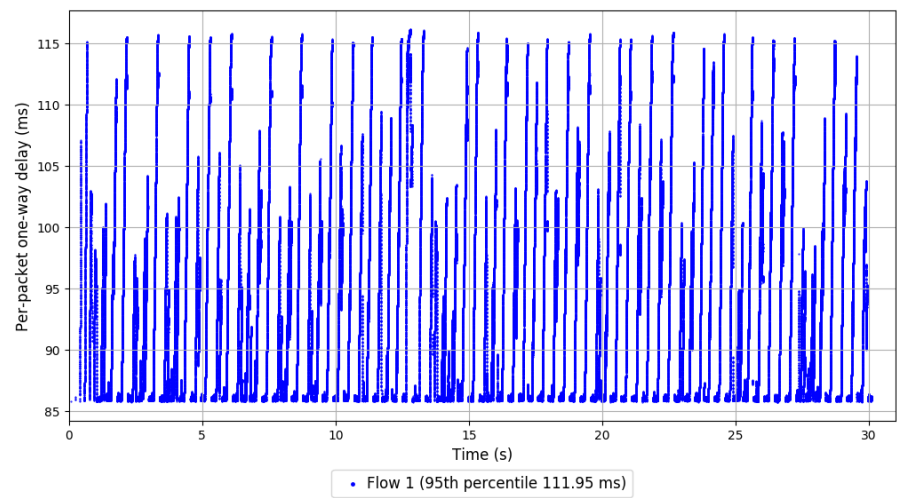
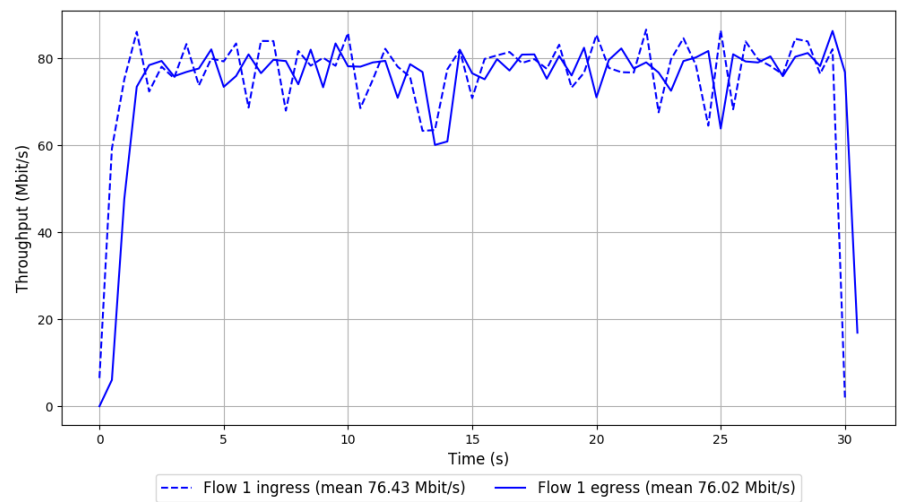
Average throughput: 76.02 Mbit/s

95th percentile per-packet one-way delay: 111.949 ms

Loss rate: 0.54%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-21 22:14:38

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

Local clock offset: -6.196 ms

Remote clock offset: 12.6 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 108.179 ms

Loss rate: 0.22%

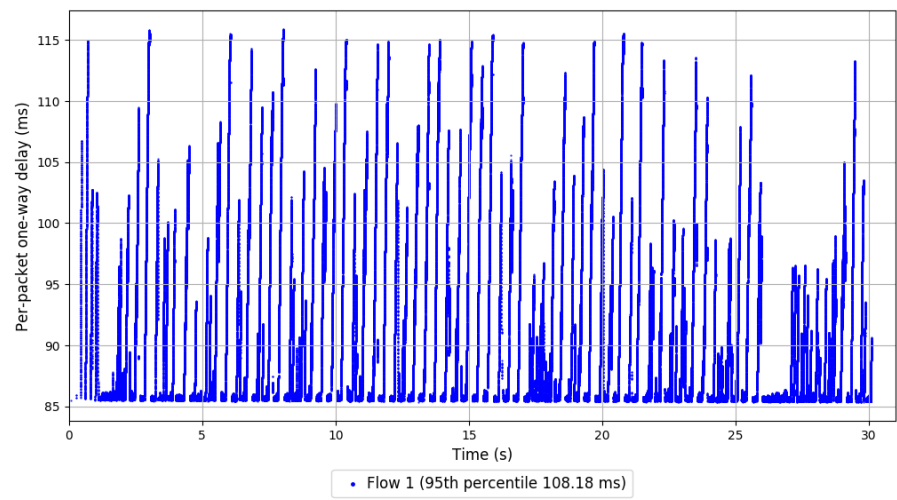
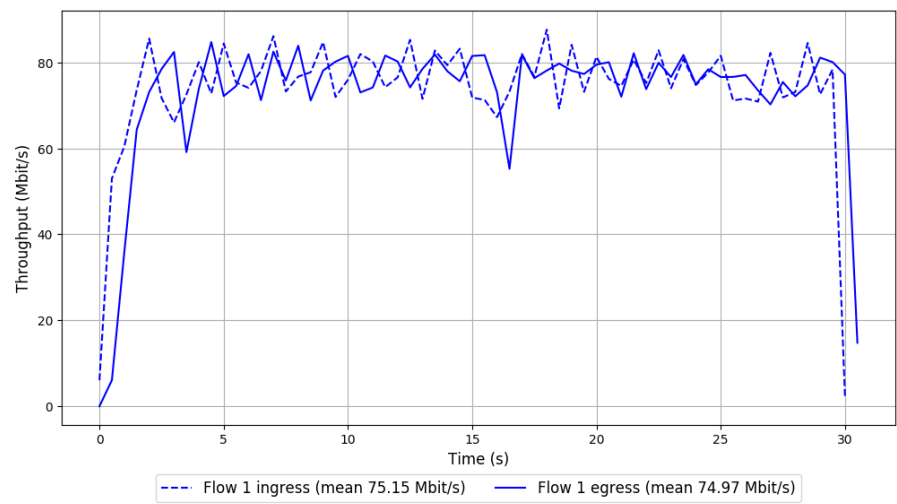
-- Flow 1:

Average throughput: 74.97 Mbit/s

95th percentile per-packet one-way delay: 108.179 ms

Loss rate: 0.22%

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



Run 1: Statistics of TCP Vegas

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

End at: 2018-08-21 19:05:35

Local clock offset: -6.586 ms

Remote clock offset: 5.118 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.17 Mbit/s

95th percentile per-packet one-way delay: 91.545 ms

Loss rate: 0.31%

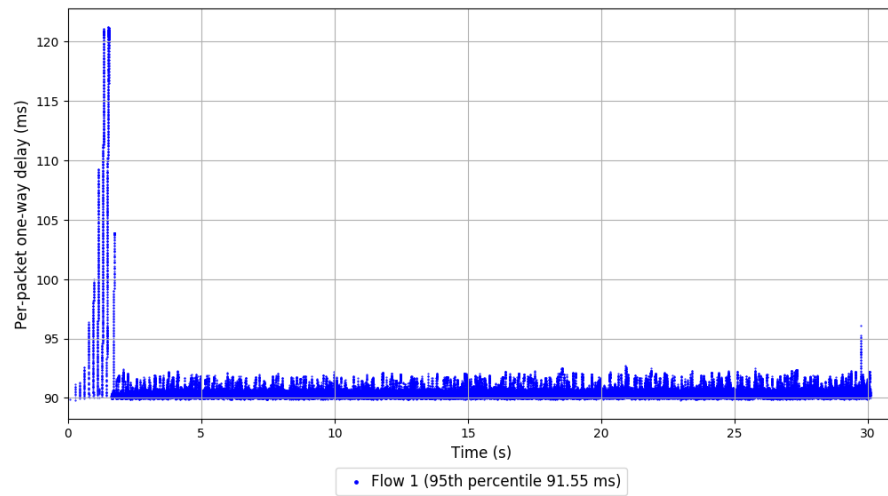
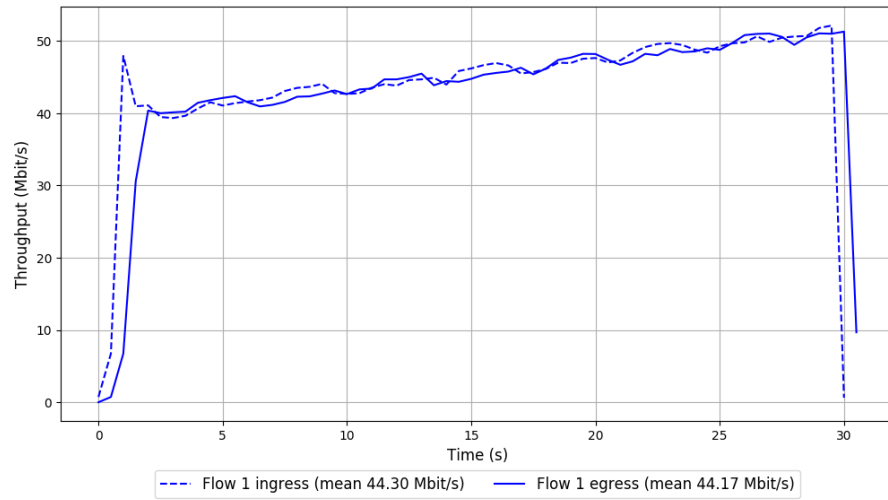
-- Flow 1:

Average throughput: 44.17 Mbit/s

95th percentile per-packet one-way delay: 91.545 ms

Loss rate: 0.31%

### Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-21 19:25:03

End at: 2018-08-21 19:25:33

Local clock offset: -4.539 ms

Remote clock offset: 5.516 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.60 Mbit/s

95th percentile per-packet one-way delay: 88.651 ms

Loss rate: 0.27%

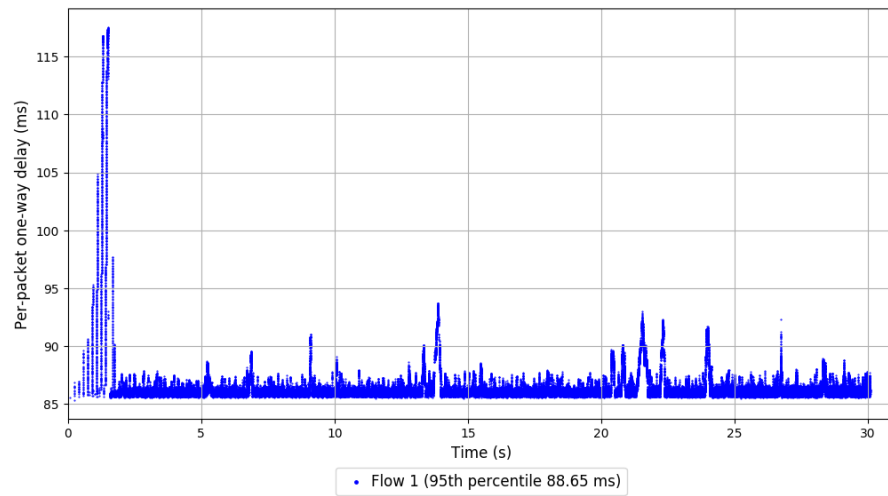
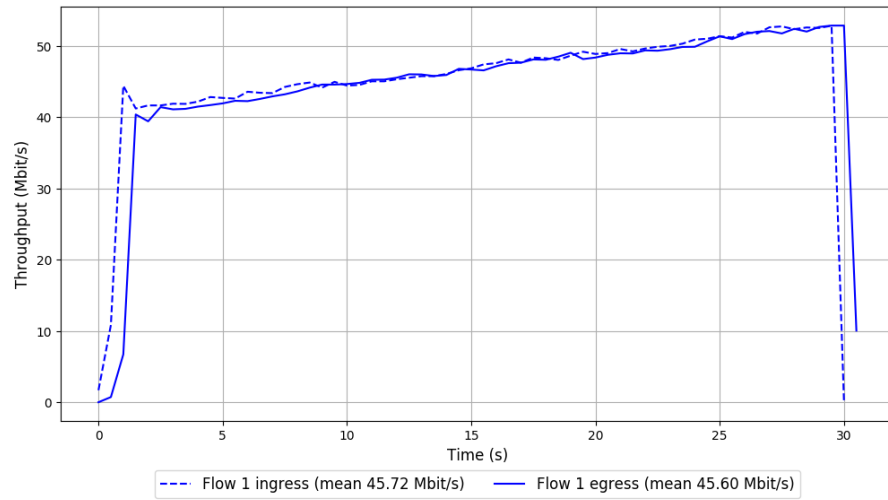
-- Flow 1:

Average throughput: 45.60 Mbit/s

95th percentile per-packet one-way delay: 88.651 ms

Loss rate: 0.27%

## Run 2: Report of TCP Vegas — Data Link



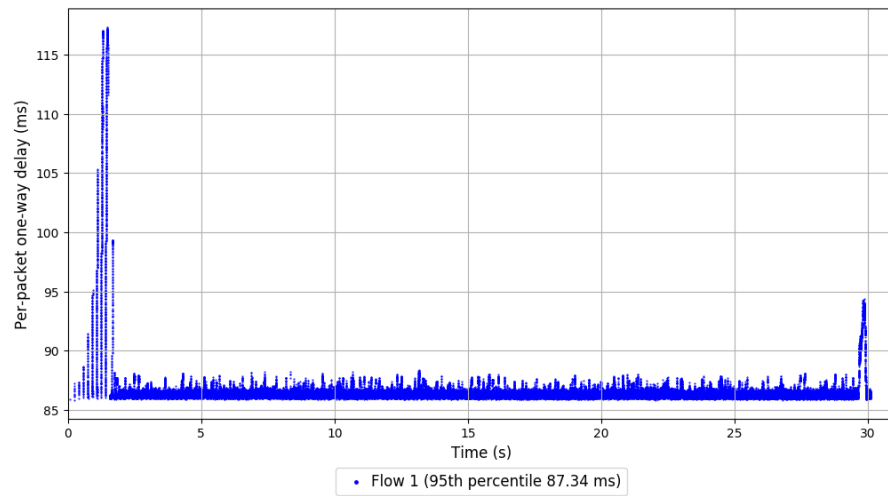
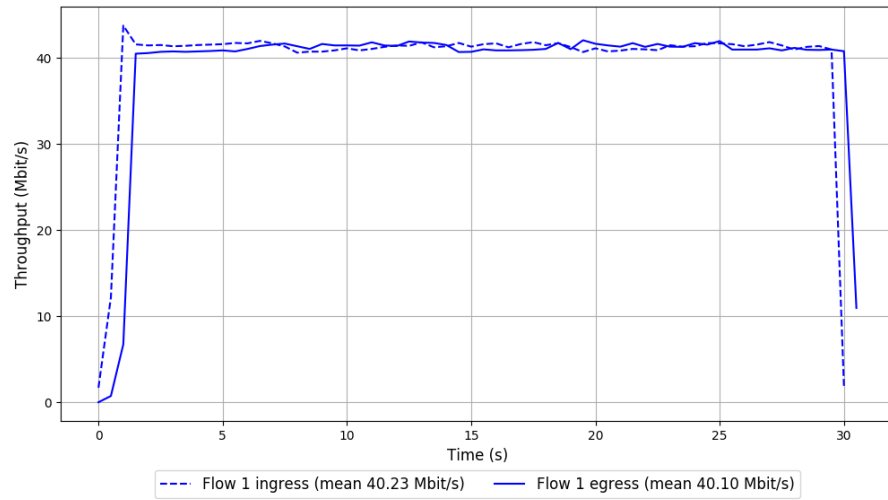
Run 3: Statistics of TCP Vegas

Start at: 2018-08-21 19:44:53  
End at: 2018-08-21 19:45:23  
Local clock offset: -5.884 ms  
Remote clock offset: 5.202 ms

# Below is generated by plot.py at 2018-08-21 22:35:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.10 Mbit/s  
95th percentile per-packet one-way delay: 87.342 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 40.10 Mbit/s  
95th percentile per-packet one-way delay: 87.342 ms  
Loss rate: 0.31%



### Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-21 20:04:44

End at: 2018-08-21 20:05:14

Local clock offset: -5.227 ms

Remote clock offset: 6.525 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 91.451 ms

Loss rate: 0.45%

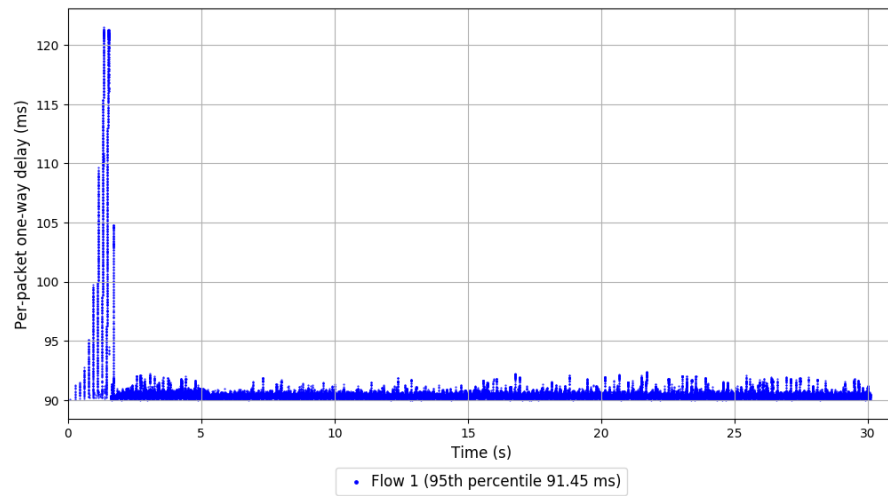
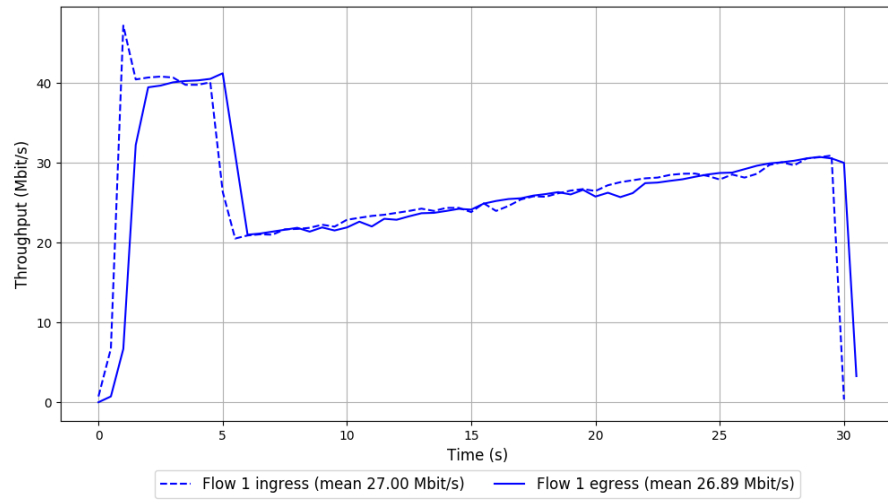
-- Flow 1:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 91.451 ms

Loss rate: 0.45%

#### Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-21 20:24:38

End at: 2018-08-21 20:25:08

Local clock offset: -3.451 ms

Remote clock offset: 7.414 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 84.826 ms

Loss rate: 0.27%

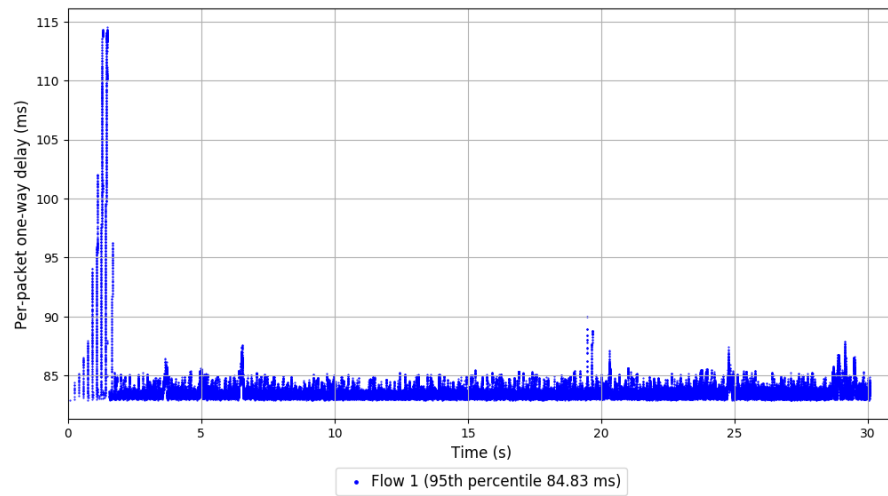
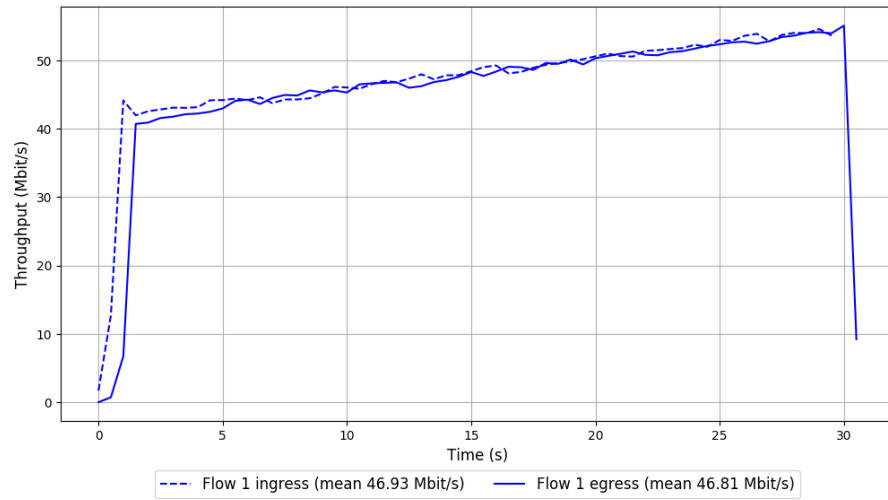
-- Flow 1:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 84.826 ms

Loss rate: 0.27%

### Run 5: Report of TCP Vegas — Data Link

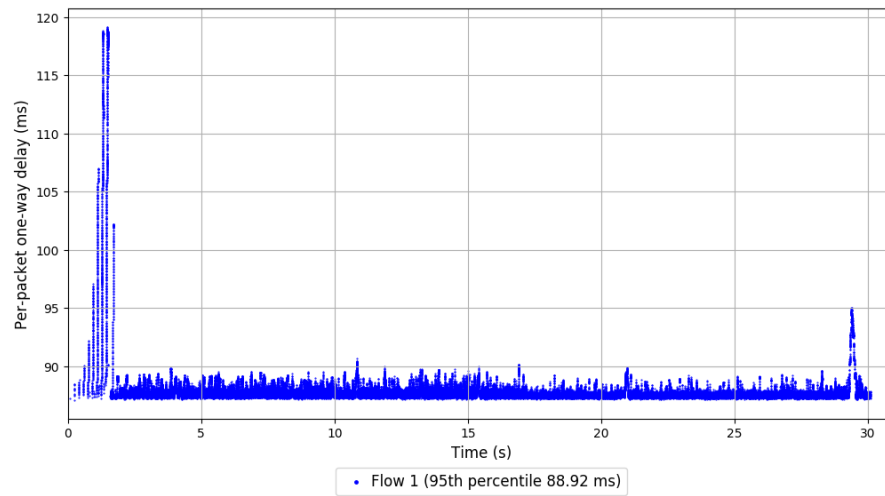
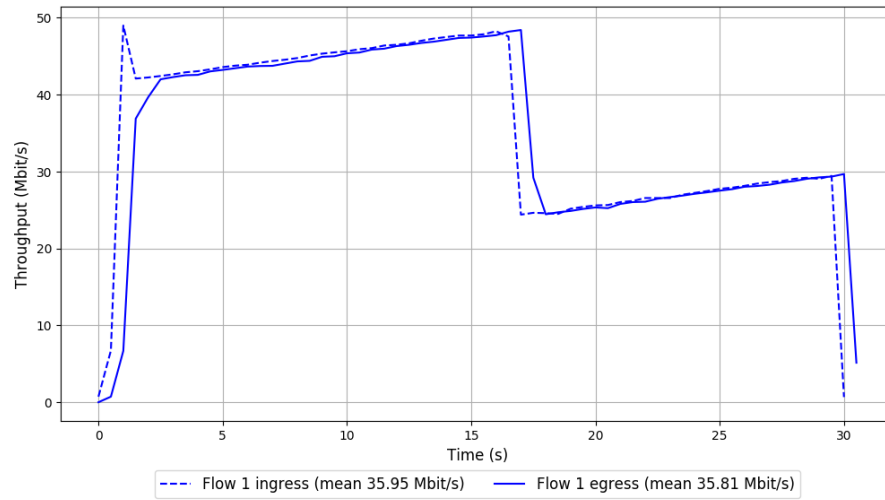


Run 6: Statistics of TCP Vegas

Start at: 2018-08-21 20:44:30  
End at: 2018-08-21 20:45:00  
Local clock offset: -4.402 ms  
Remote clock offset: 10.288 ms

# Below is generated by plot.py at 2018-08-21 22:35:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.81 Mbit/s  
95th percentile per-packet one-way delay: 88.922 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 35.81 Mbit/s  
95th percentile per-packet one-way delay: 88.922 ms  
Loss rate: 0.38%

## Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-21 21:04:29

End at: 2018-08-21 21:04:59

Local clock offset: -5.471 ms

Remote clock offset: 9.623 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 90.274 ms

Loss rate: 0.27%

-- Flow 1:

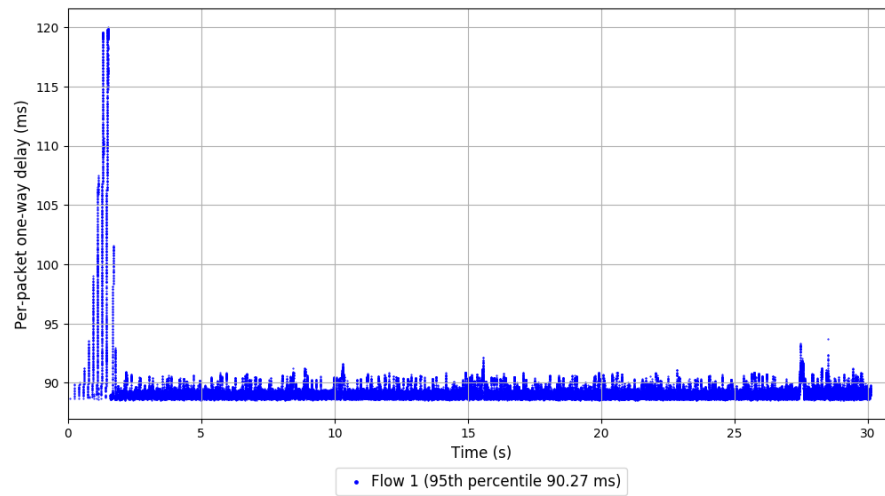
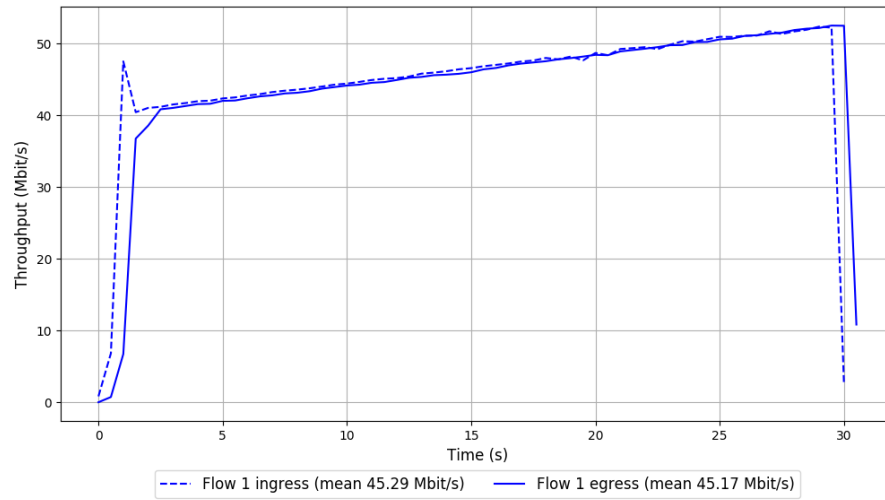
Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 90.274 ms

Loss rate: 0.27%



### Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-21 21:24:26

End at: 2018-08-21 21:24:56

Local clock offset: -4.982 ms

Remote clock offset: 3.756 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 83.747 ms

Loss rate: 0.27%

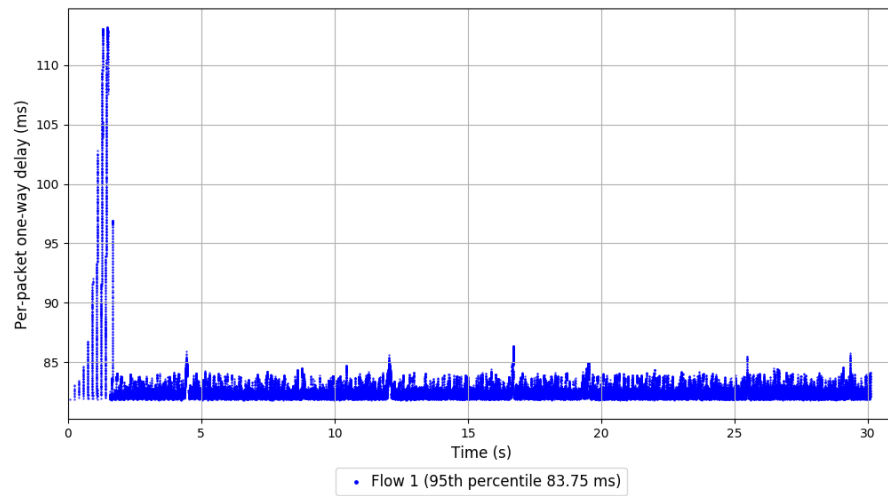
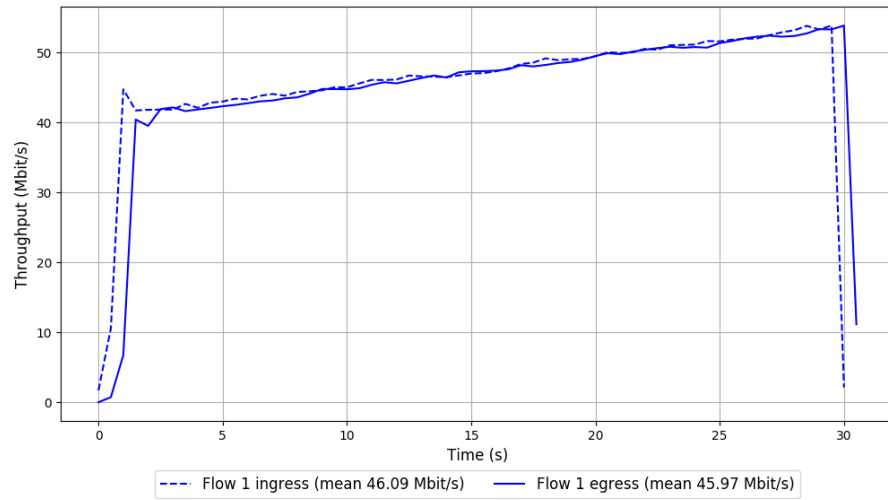
-- Flow 1:

Average throughput: 45.97 Mbit/s

95th percentile per-packet one-way delay: 83.747 ms

Loss rate: 0.27%

### Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-21 21:44:20

End at: 2018-08-21 21:44:50

Local clock offset: -4.951 ms

Remote clock offset: 5.262 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.01 Mbit/s

95th percentile per-packet one-way delay: 84.208 ms

Loss rate: 0.09%

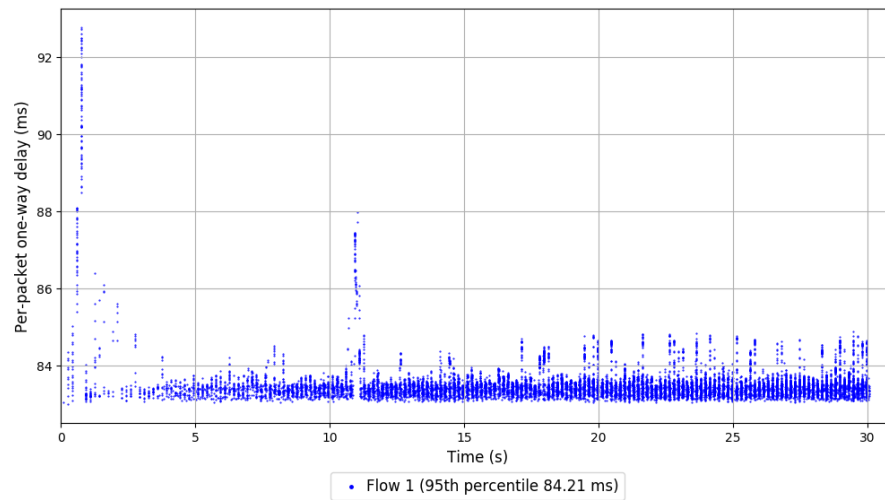
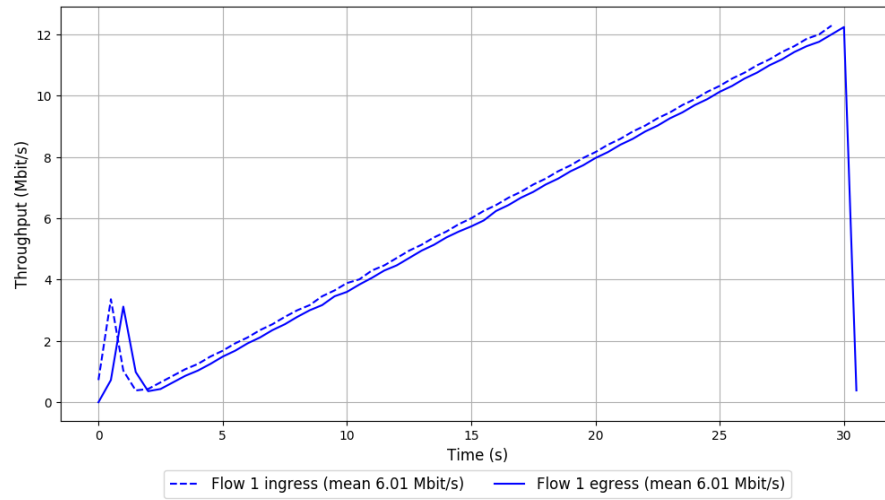
-- Flow 1:

Average throughput: 6.01 Mbit/s

95th percentile per-packet one-way delay: 84.208 ms

Loss rate: 0.09%

### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-21 22:04:13

End at: 2018-08-21 22:04:43

Local clock offset: -3.473 ms

Remote clock offset: 6.893 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.99 Mbit/s

95th percentile per-packet one-way delay: 88.314 ms

Loss rate: 0.73%

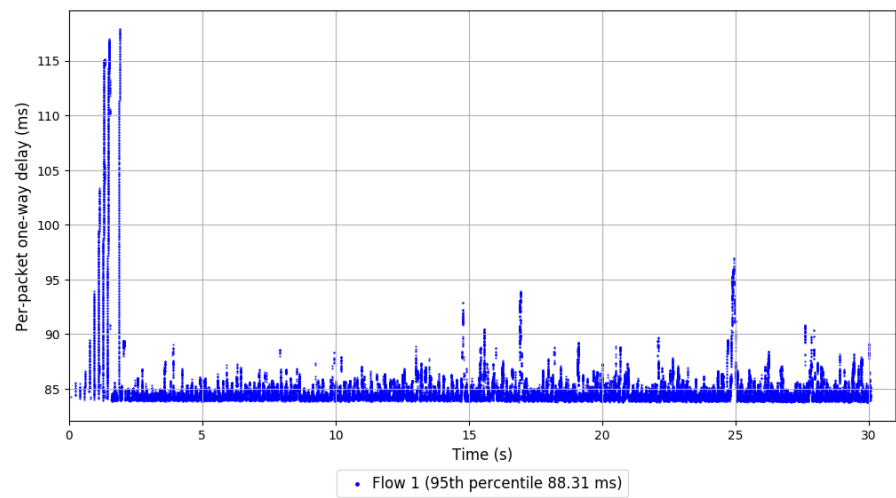
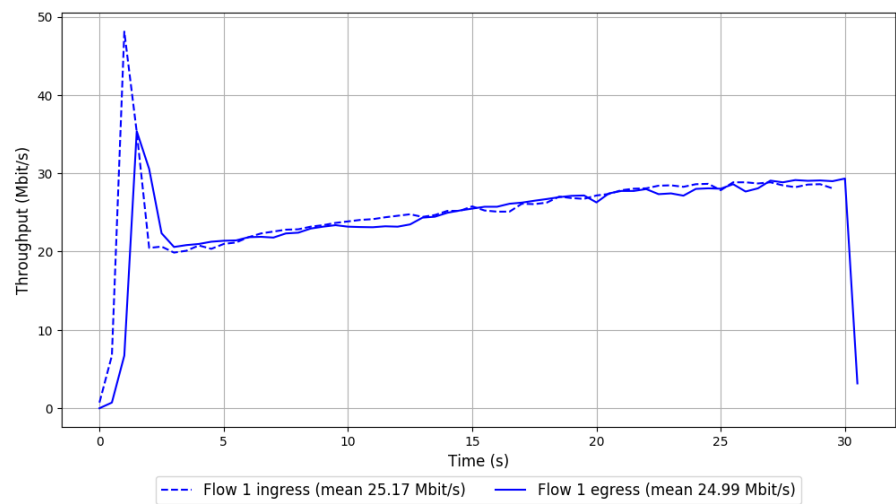
-- Flow 1:

Average throughput: 24.99 Mbit/s

95th percentile per-packet one-way delay: 88.314 ms

Loss rate: 0.73%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-21 18:58:01

End at: 2018-08-21 18:58:31

Local clock offset: -7.336 ms

Remote clock offset: 1.456 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.58 Mbit/s

95th percentile per-packet one-way delay: 160.379 ms

Loss rate: 75.45%

-- Flow 1:

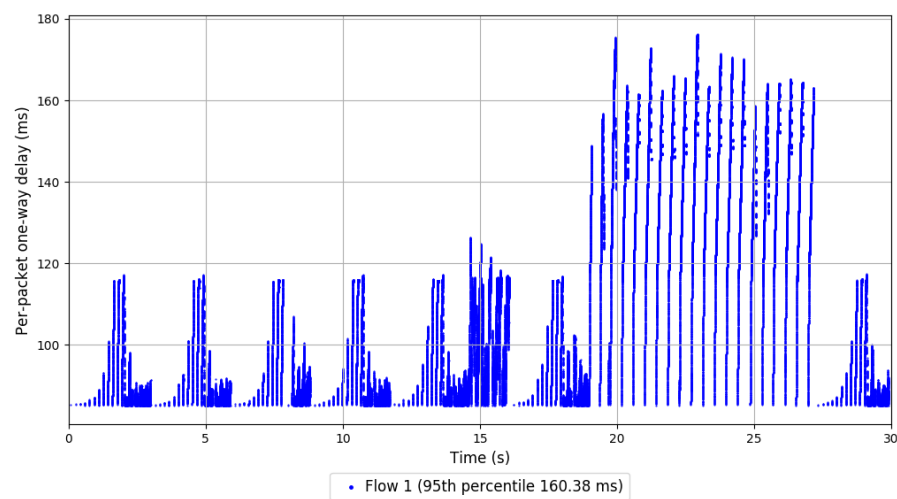
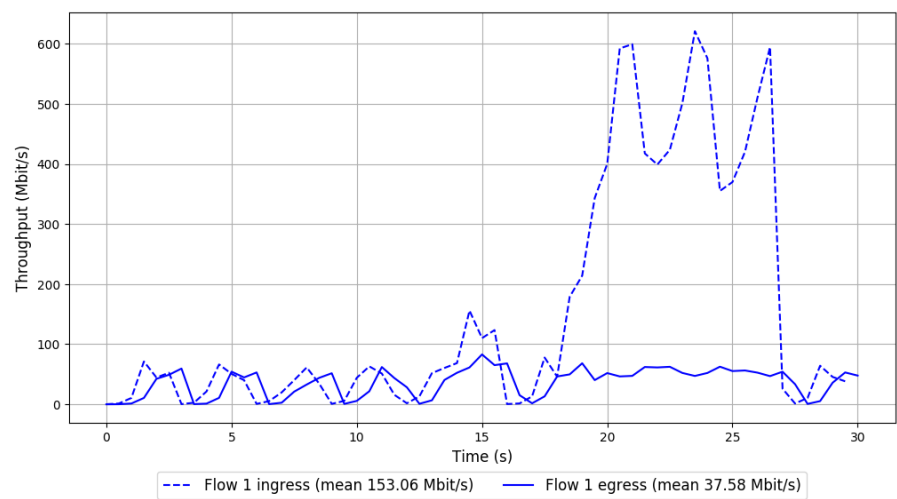
Average throughput: 37.58 Mbit/s

95th percentile per-packet one-way delay: 160.379 ms

Loss rate: 75.45%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-21 19:18:00

End at: 2018-08-21 19:18:30

Local clock offset: -5.38 ms

Remote clock offset: 5.426 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 133.496 ms

Loss rate: 54.83%

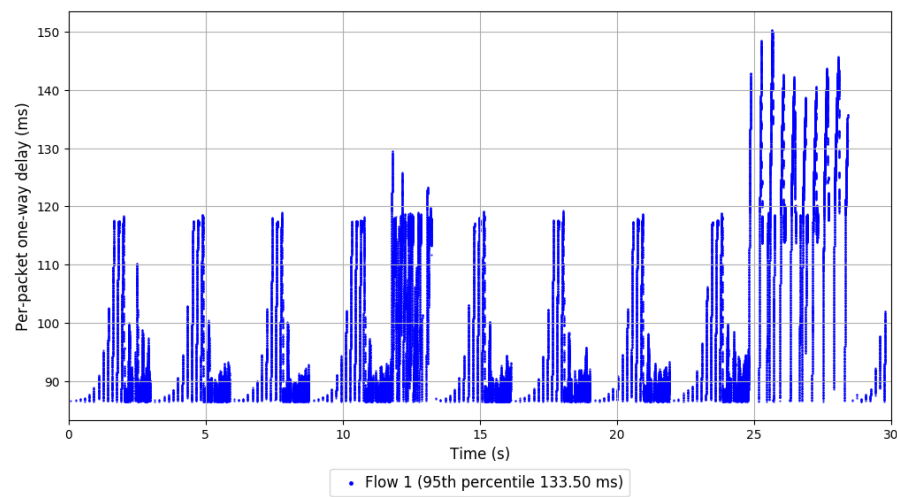
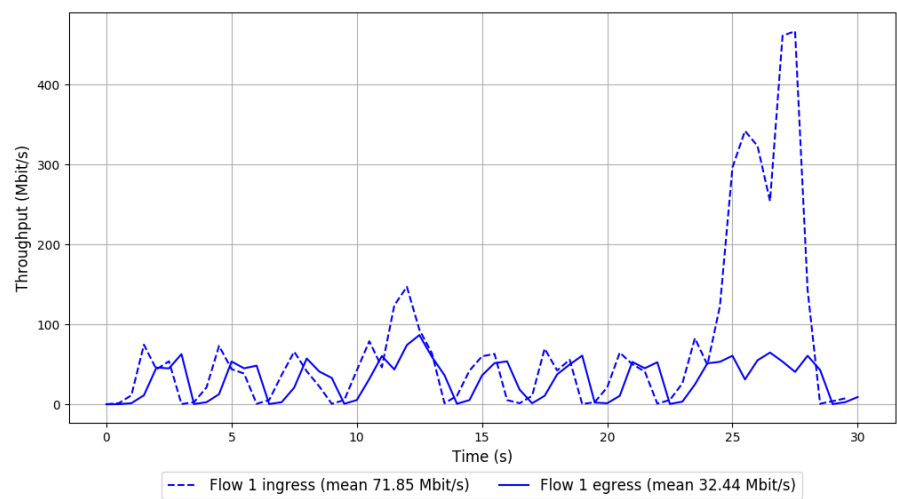
-- Flow 1:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 133.496 ms

Loss rate: 54.83%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-21 19:37:52

End at: 2018-08-21 19:38:22

Local clock offset: -6.348 ms

Remote clock offset: 0.491 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.66 Mbit/s

95th percentile per-packet one-way delay: 111.624 ms

Loss rate: 30.87%

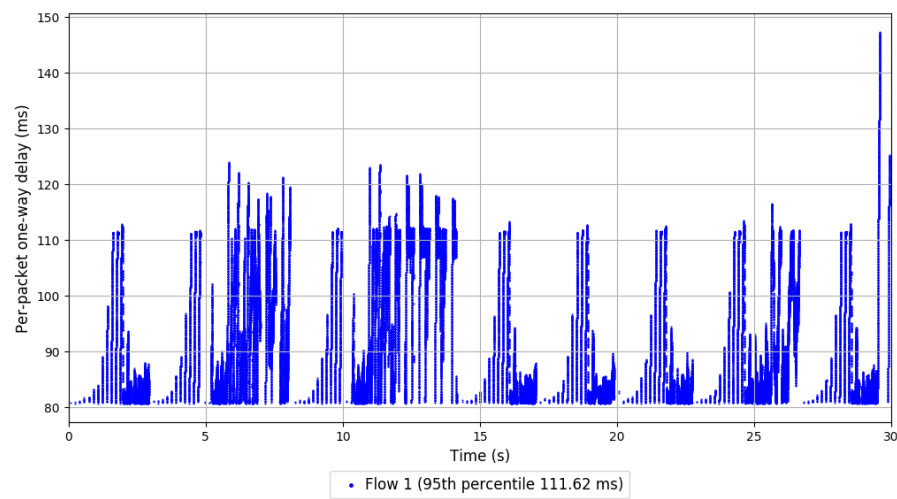
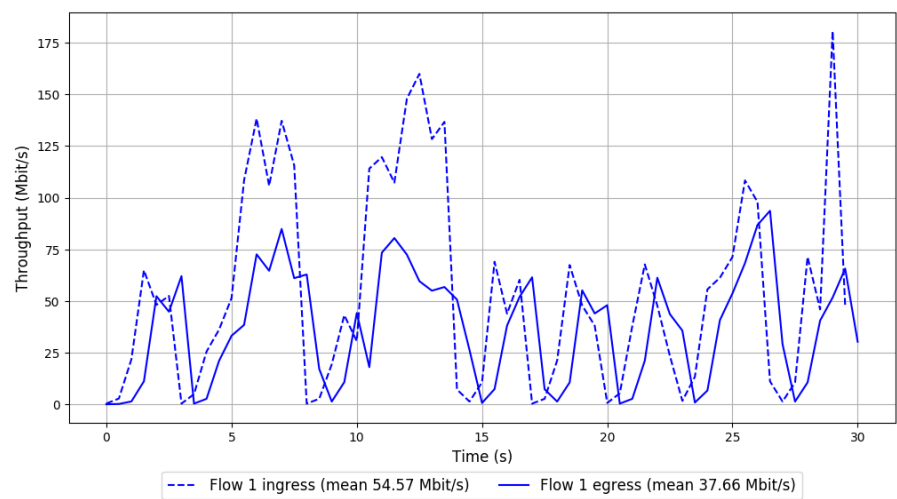
-- Flow 1:

Average throughput: 37.66 Mbit/s

95th percentile per-packet one-way delay: 111.624 ms

Loss rate: 30.87%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-21 19:57:43

End at: 2018-08-21 19:58:13

Local clock offset: -5.122 ms

Remote clock offset: 3.418 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 126.737 ms

Loss rate: 53.23%

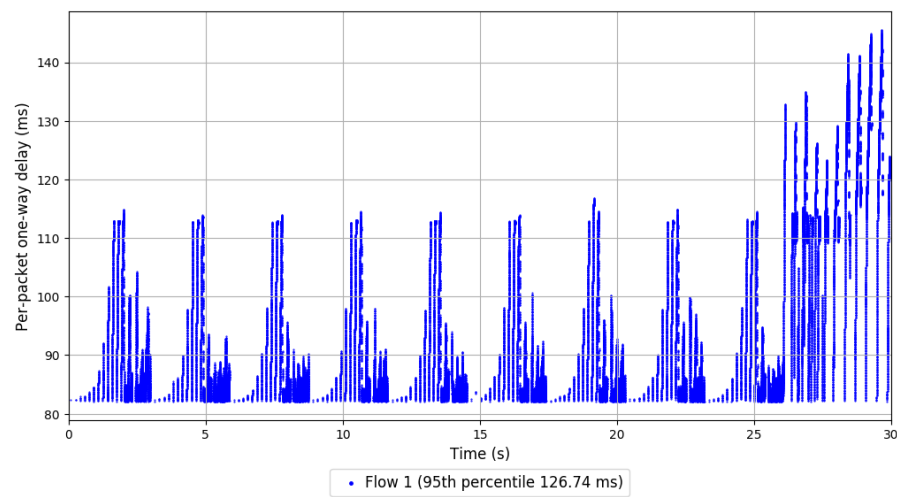
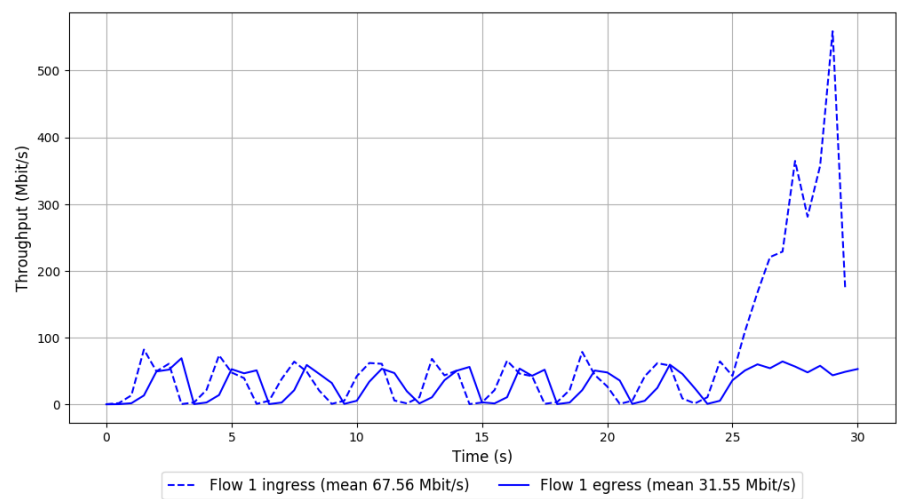
-- Flow 1:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 126.737 ms

Loss rate: 53.23%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-21 20:17:33

End at: 2018-08-21 20:18:03

Local clock offset: -5.232 ms

Remote clock offset: 3.316 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 114.543 ms

Loss rate: 24.33%

-- Flow 1:

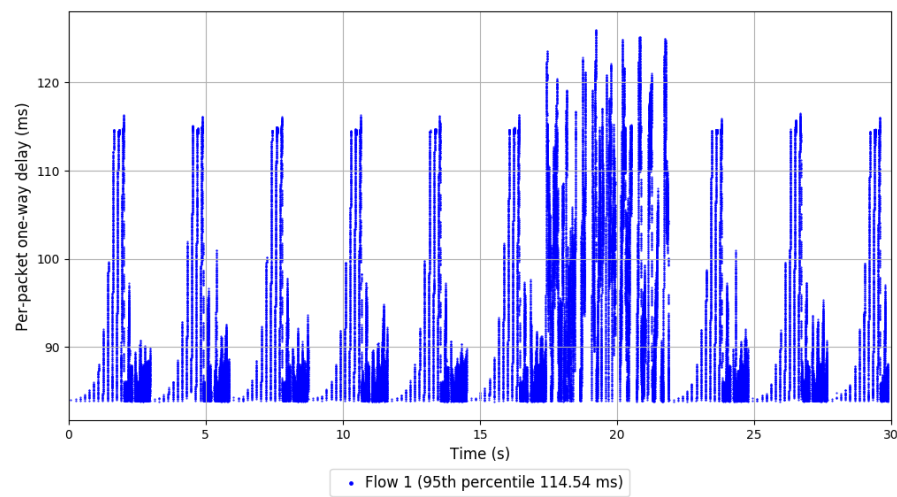
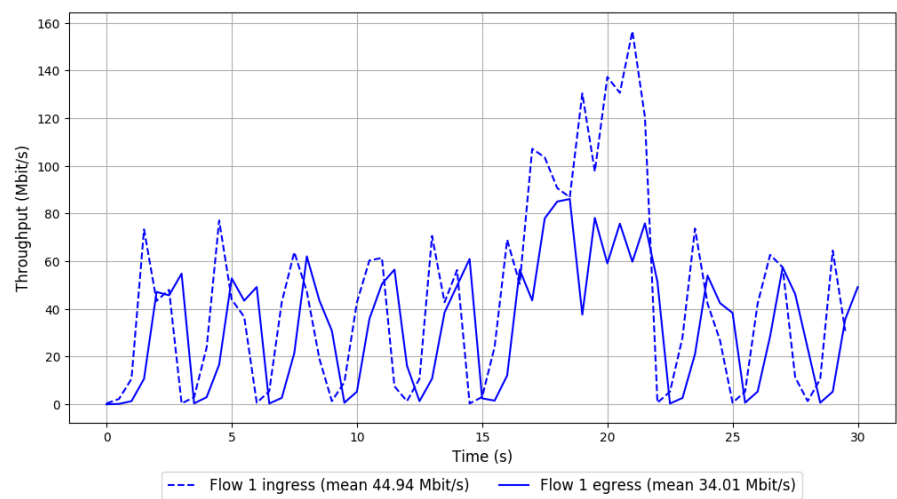
Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 114.543 ms

Loss rate: 24.33%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-21 20:37:28

End at: 2018-08-21 20:37:58

Local clock offset: -4.228 ms

Remote clock offset: 4.032 ms

# Below is generated by plot.py at 2018-08-21 22:35:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 110.408 ms

Loss rate: 24.19%

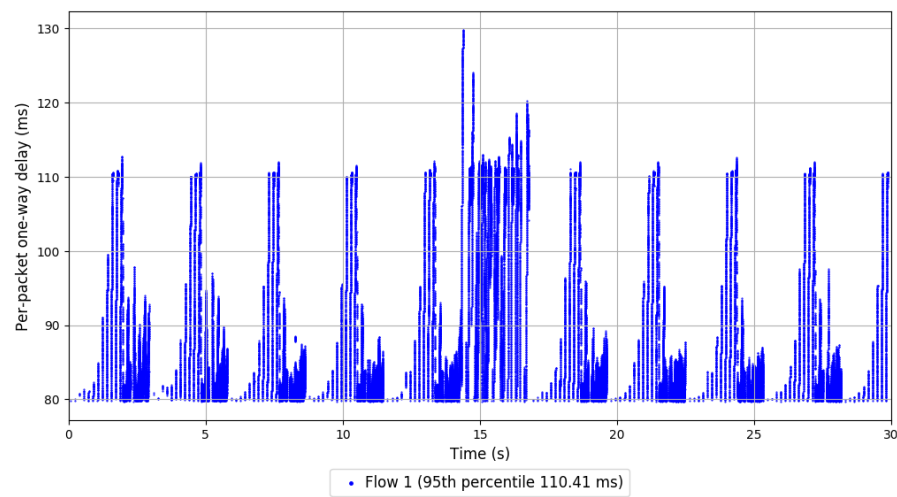
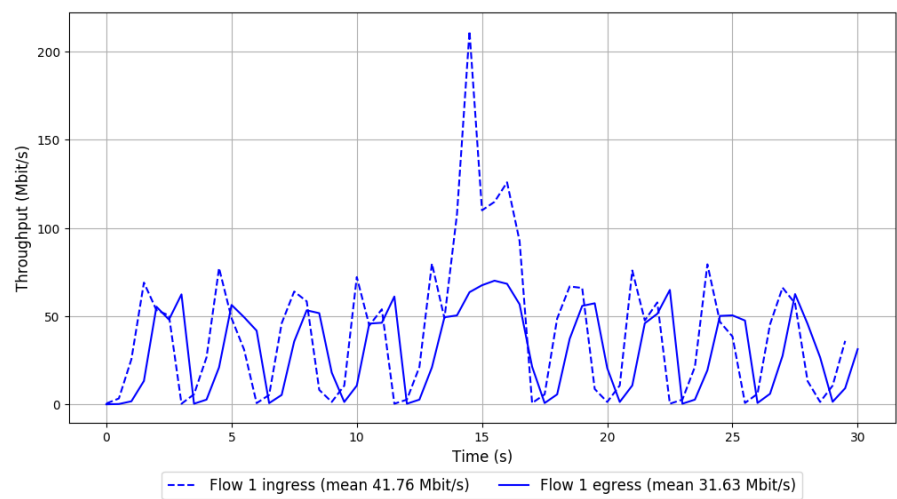
-- Flow 1:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 110.408 ms

Loss rate: 24.19%

Run 6: Report of Verus — Data Link

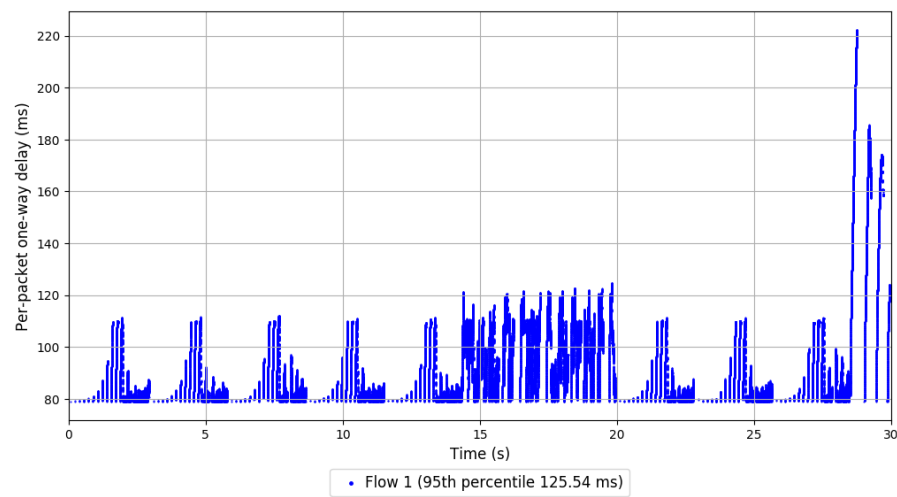
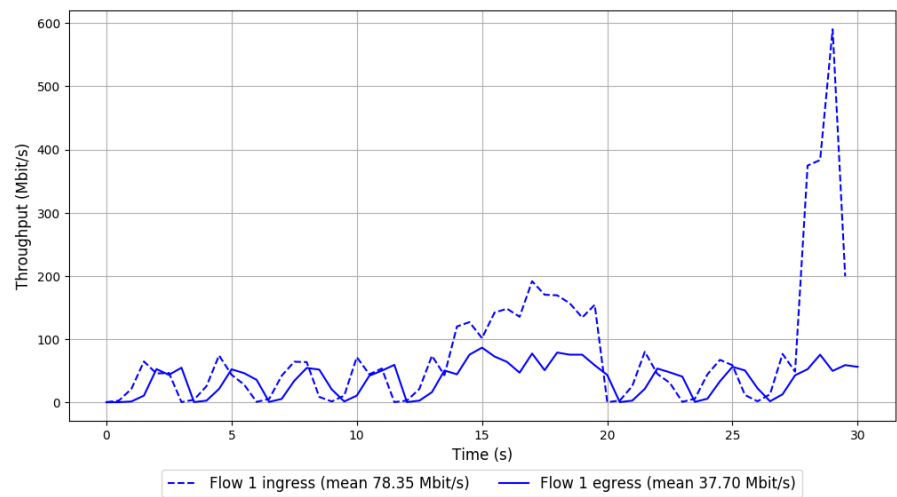


Run 7: Statistics of Verus

Start at: 2018-08-21 20:57:26  
End at: 2018-08-21 20:57:56  
Local clock offset: -3.838 ms  
Remote clock offset: 3.657 ms

# Below is generated by plot.py at 2018-08-21 22:35:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.70 Mbit/s  
95th percentile per-packet one-way delay: 125.544 ms  
Loss rate: 51.80%  
-- Flow 1:  
Average throughput: 37.70 Mbit/s  
95th percentile per-packet one-way delay: 125.544 ms  
Loss rate: 51.80%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-21 21:17:19

End at: 2018-08-21 21:17:49

Local clock offset: -3.524 ms

Remote clock offset: 9.728 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.77 Mbit/s

95th percentile per-packet one-way delay: 184.357 ms

Loss rate: 89.00%

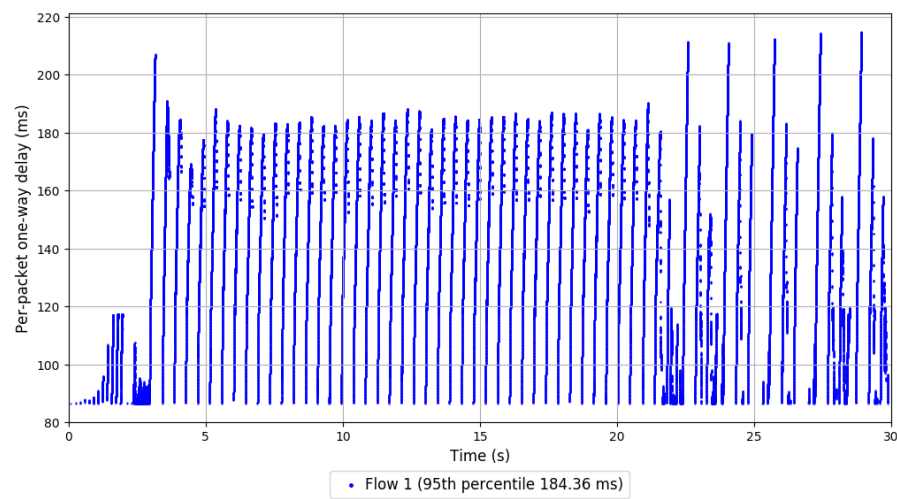
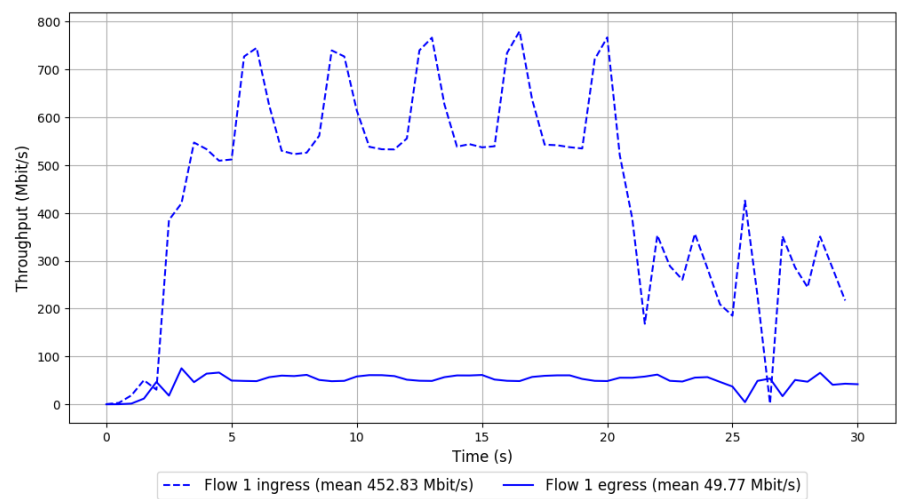
-- Flow 1:

Average throughput: 49.77 Mbit/s

95th percentile per-packet one-way delay: 184.357 ms

Loss rate: 89.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-21 21:37:17

End at: 2018-08-21 21:37:47

Local clock offset: -4.158 ms

Remote clock offset: 5.065 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 177.468 ms

Loss rate: 65.42%

-- Flow 1:

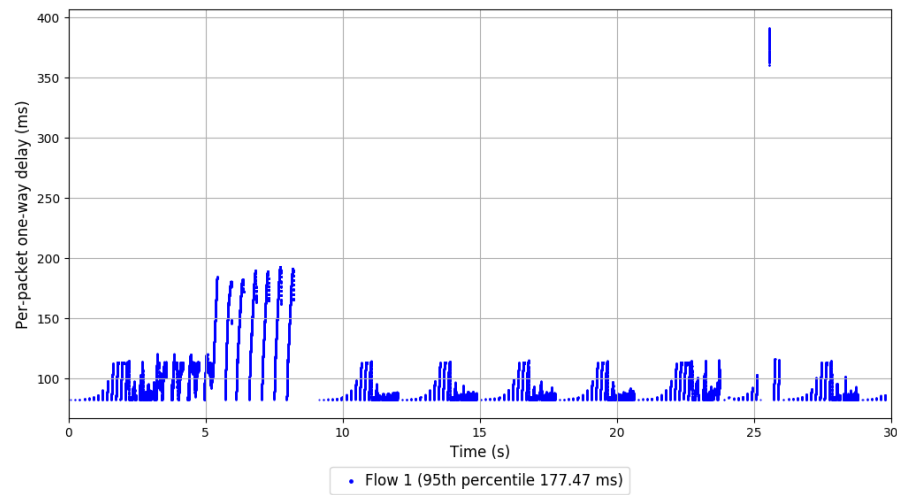
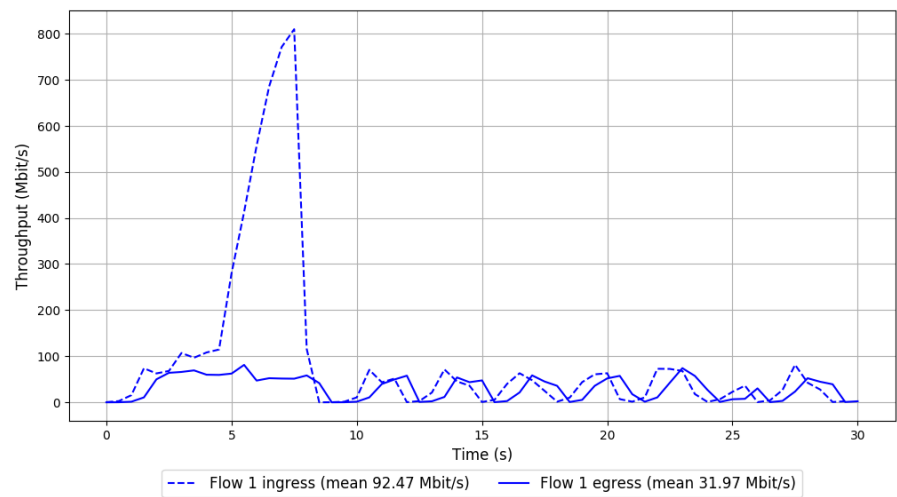
Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 177.468 ms

Loss rate: 65.42%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

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

End at: 2018-08-21 21:57:39

Local clock offset: -4.233 ms

Remote clock offset: 5.56 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.45 Mbit/s

95th percentile per-packet one-way delay: 178.947 ms

Loss rate: 84.75%

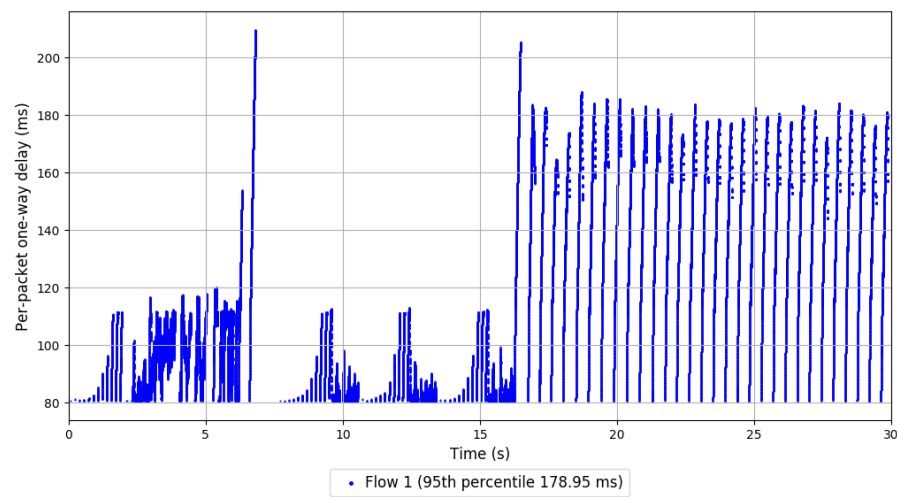
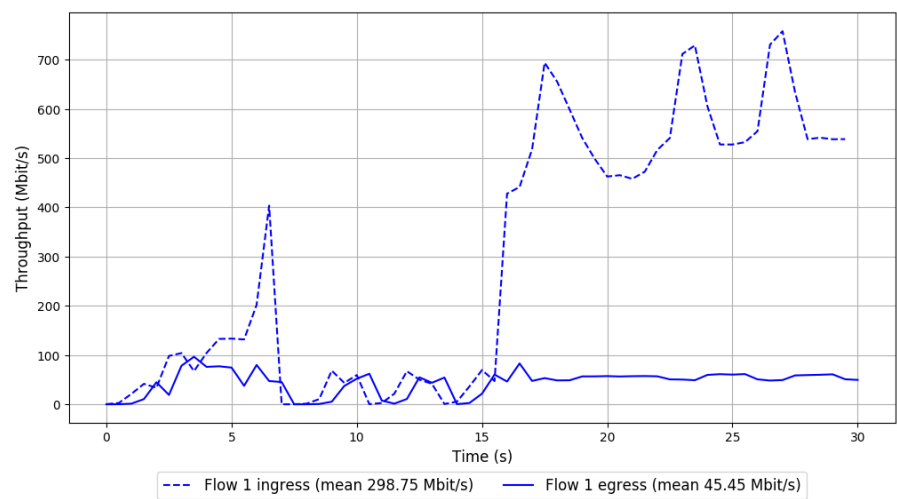
-- Flow 1:

Average throughput: 45.45 Mbit/s

95th percentile per-packet one-way delay: 178.947 ms

Loss rate: 84.75%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-21 19:06:14

End at: 2018-08-21 19:06:44

Local clock offset: -6.679 ms

Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 93.113 ms

Loss rate: 0.04%

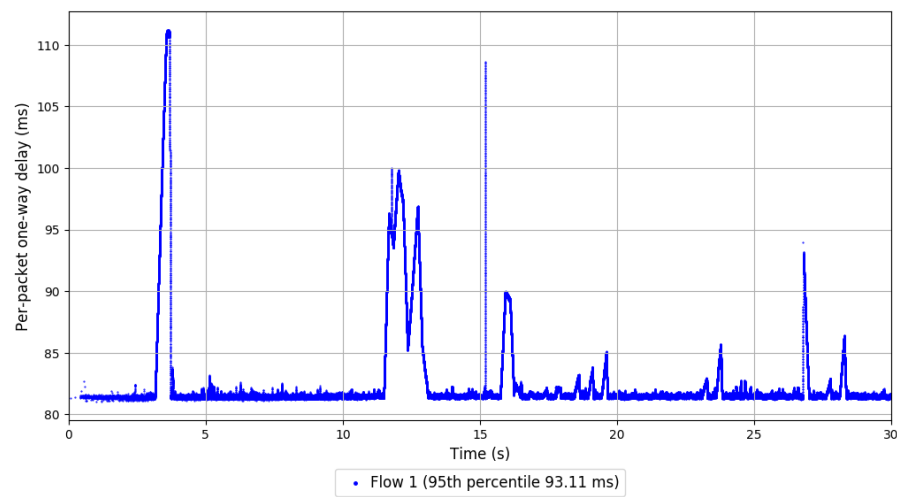
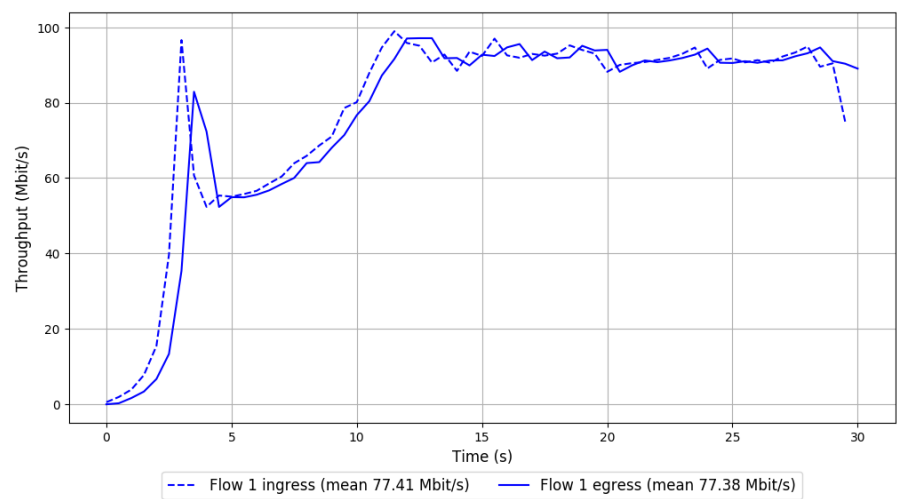
-- Flow 1:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 93.113 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-21 19:26:12

End at: 2018-08-21 19:26:42

Local clock offset: -5.282 ms

Remote clock offset: 4.37 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 89.103 ms

Loss rate: 0.04%

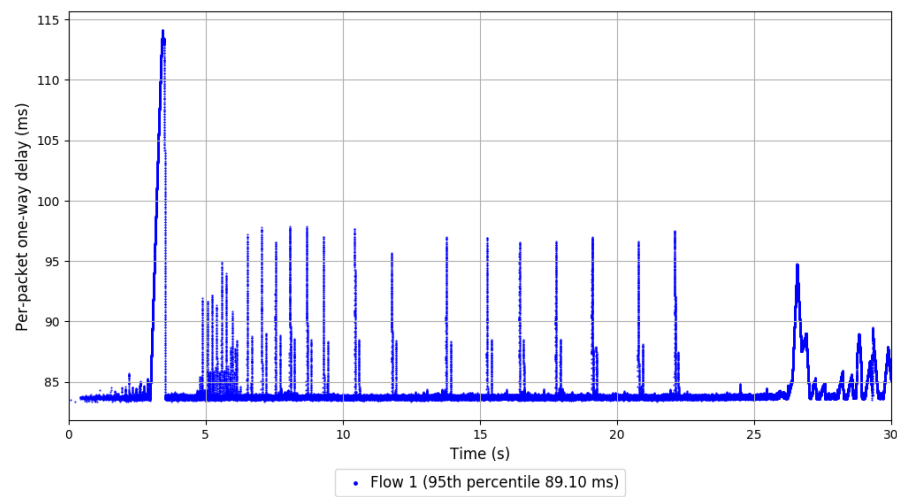
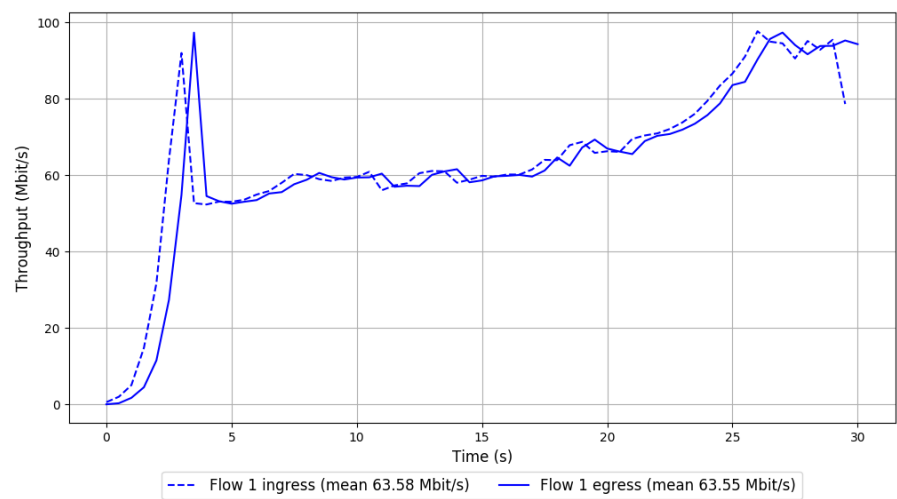
-- Flow 1:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 89.103 ms

Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-21 19:46:02

End at: 2018-08-21 19:46:32

Local clock offset: -5.175 ms

Remote clock offset: 2.57 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.46 Mbit/s

95th percentile per-packet one-way delay: 93.841 ms

Loss rate: 0.04%

-- Flow 1:

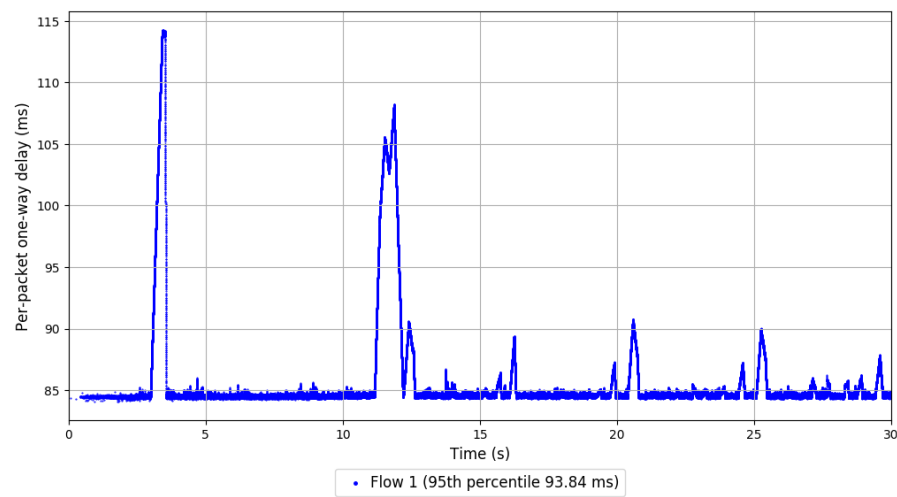
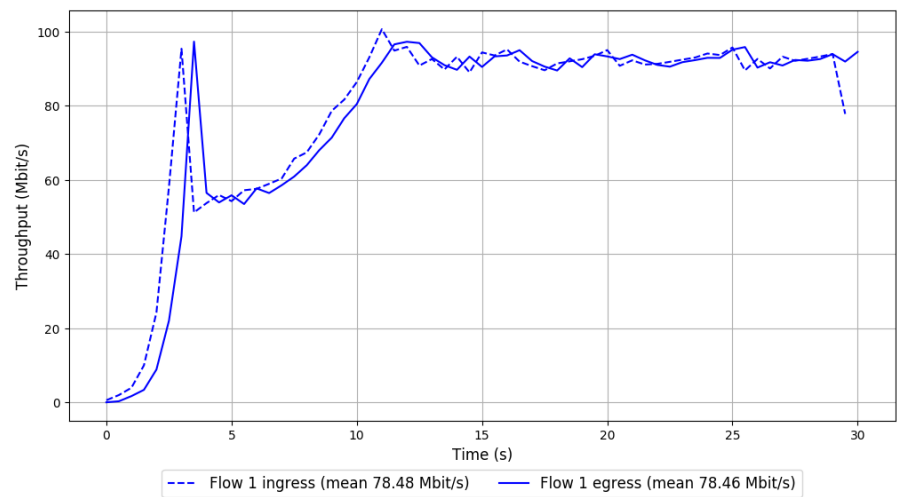
Average throughput: 78.46 Mbit/s

95th percentile per-packet one-way delay: 93.841 ms

Loss rate: 0.04%



Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-21 20:05:53

End at: 2018-08-21 20:06:23

Local clock offset: -6.02 ms

Remote clock offset: 6.658 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 94.248 ms

Loss rate: 0.00%

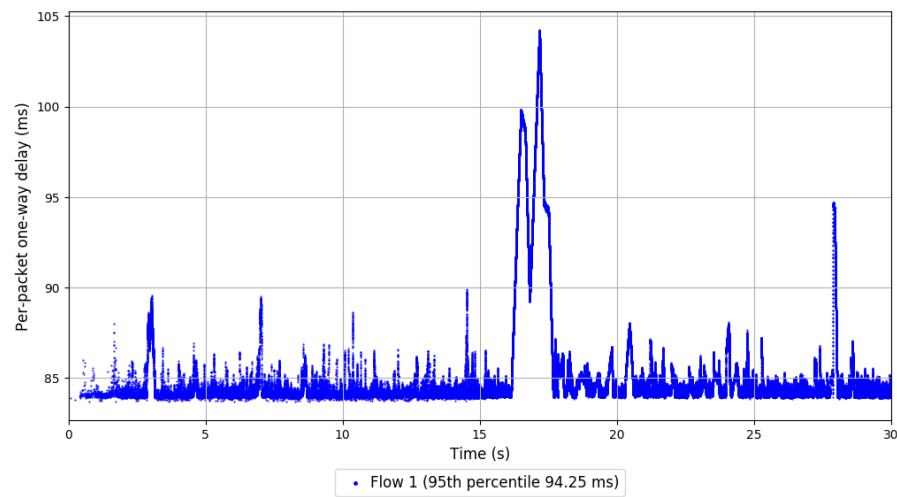
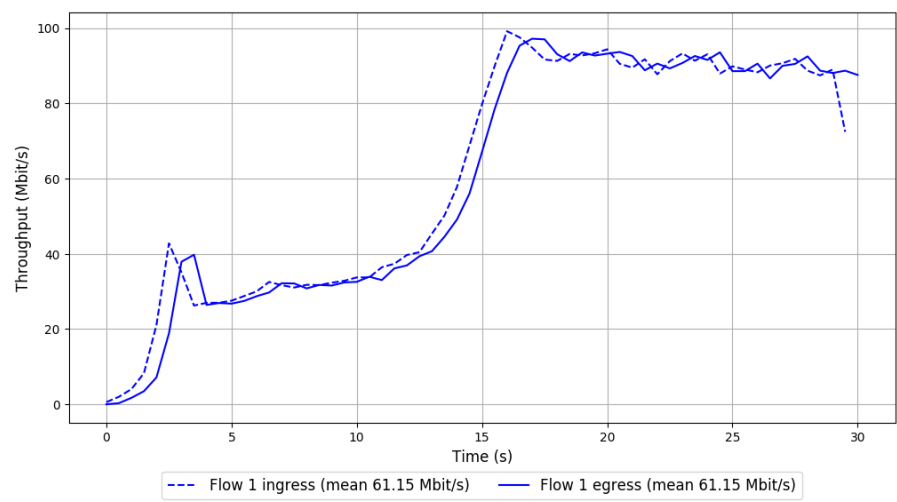
-- Flow 1:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 94.248 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-21 20:25:47

End at: 2018-08-21 20:26:17

Local clock offset: -4.198 ms

Remote clock offset: 4.707 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 101.826 ms

Loss rate: 0.04%

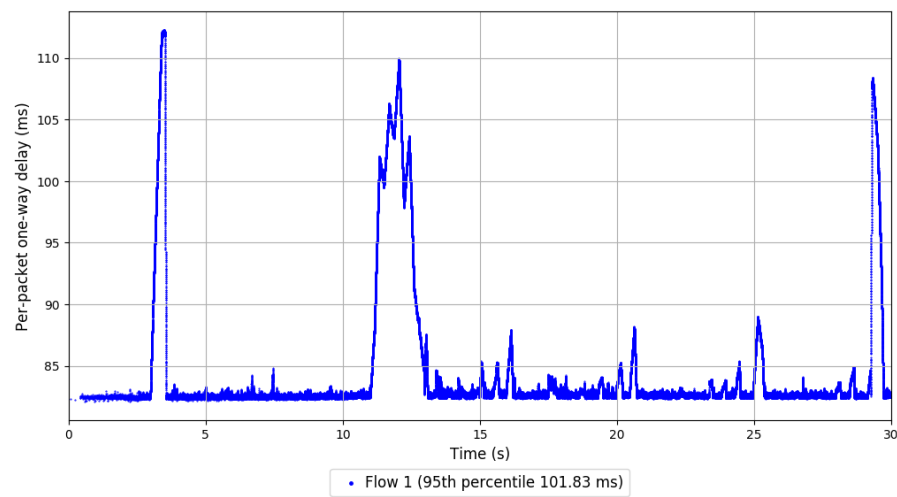
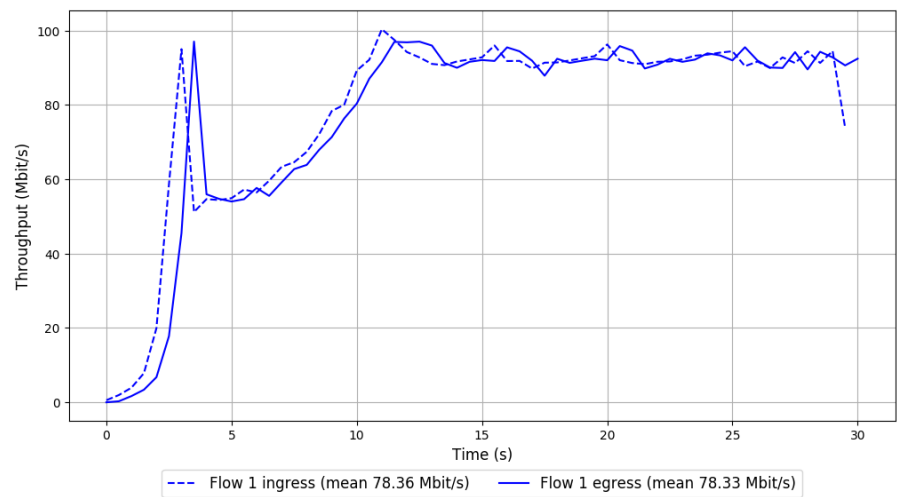
-- Flow 1:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 101.826 ms

Loss rate: 0.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-21 20:45:39

End at: 2018-08-21 20:46:09

Local clock offset: -5.174 ms

Remote clock offset: 5.413 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 85.195 ms

Loss rate: 0.04%

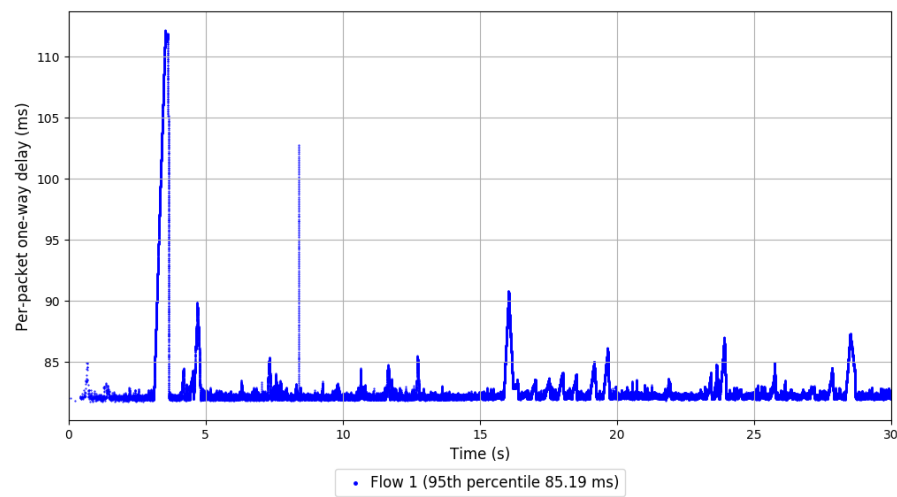
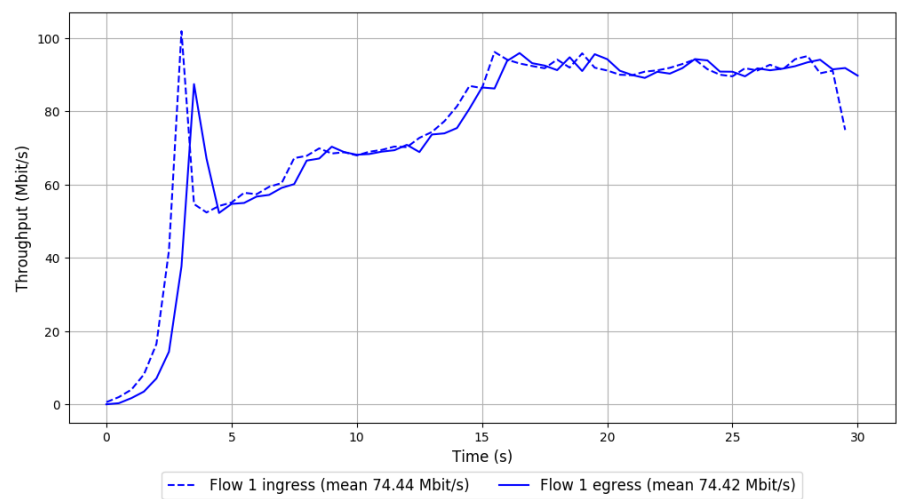
-- Flow 1:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 85.195 ms

Loss rate: 0.04%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-21 21:05:38

End at: 2018-08-21 21:06:08

Local clock offset: -3.929 ms

Remote clock offset: 4.594 ms

# Below is generated by plot.py at 2018-08-21 22:37:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 99.767 ms

Loss rate: 0.07%

-- Flow 1:

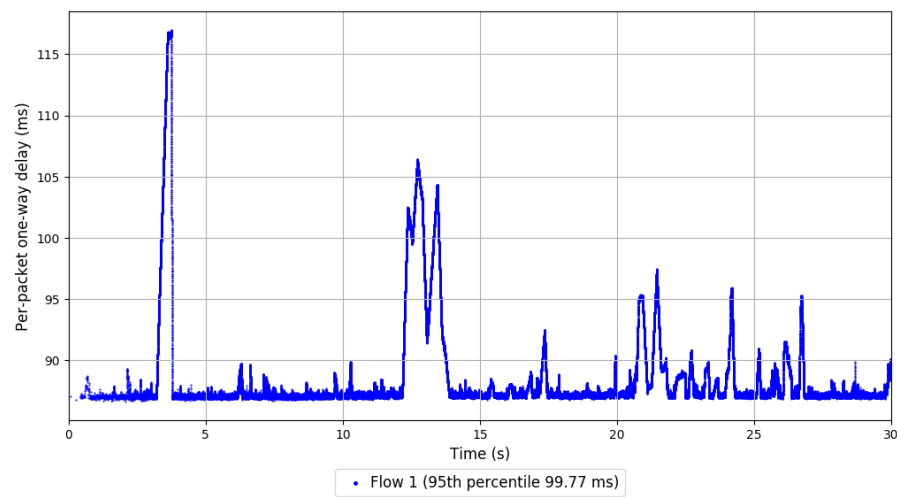
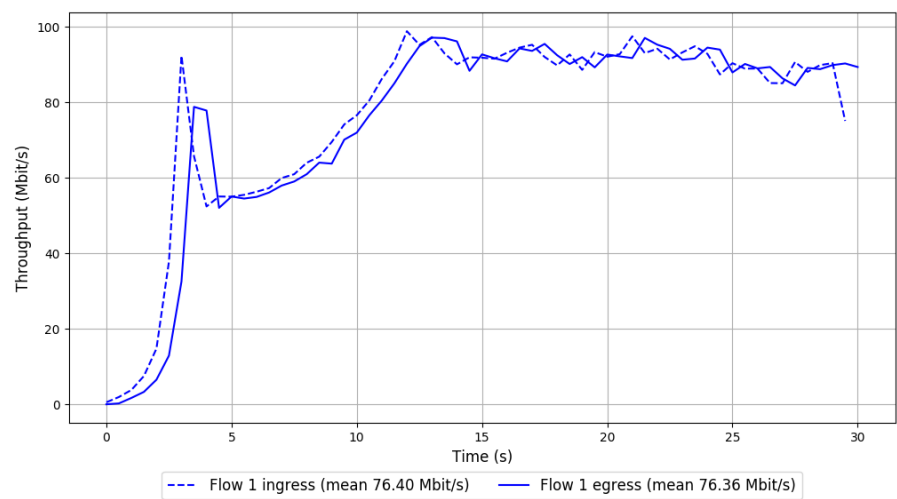
Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 99.767 ms

Loss rate: 0.07%



Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-21 21:25:35

End at: 2018-08-21 21:26:05

Local clock offset: -4.272 ms

Remote clock offset: 3.778 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 106.602 ms

Loss rate: 0.17%

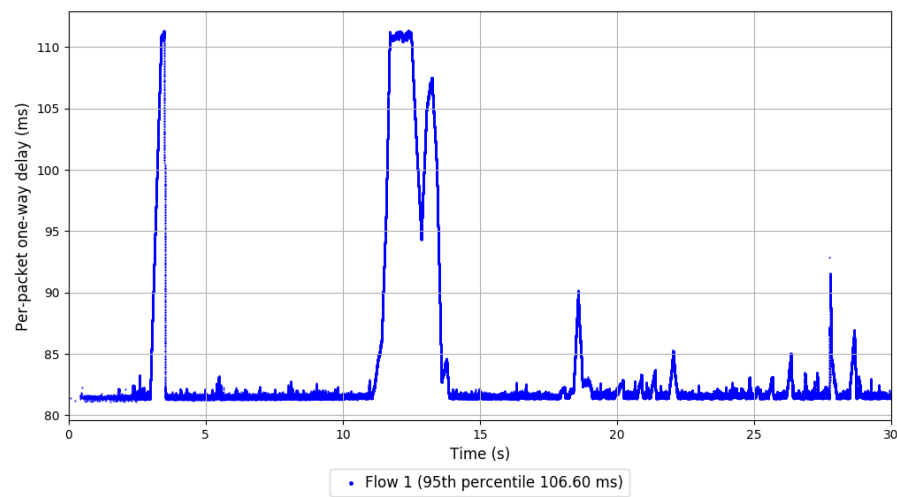
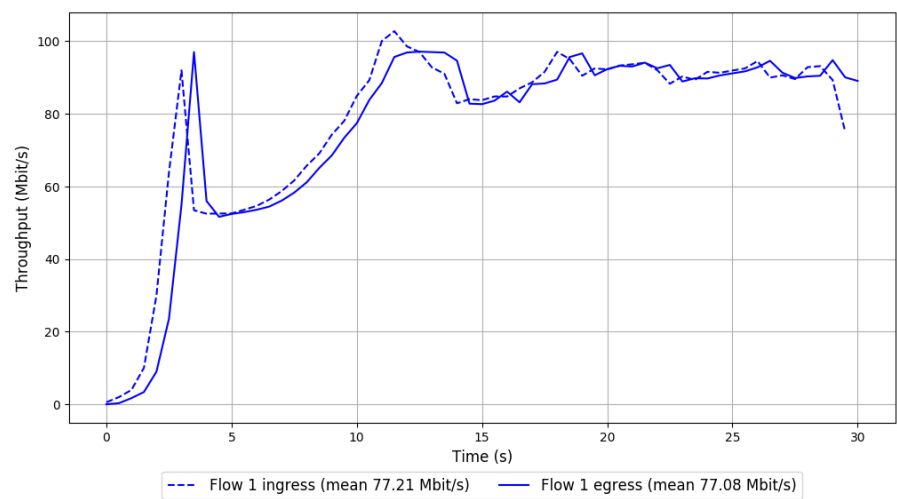
-- Flow 1:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 106.602 ms

Loss rate: 0.17%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-21 21:45:27

End at: 2018-08-21 21:45:58

Local clock offset: -4.948 ms

Remote clock offset: 9.154 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 91.635 ms

Loss rate: 0.04%

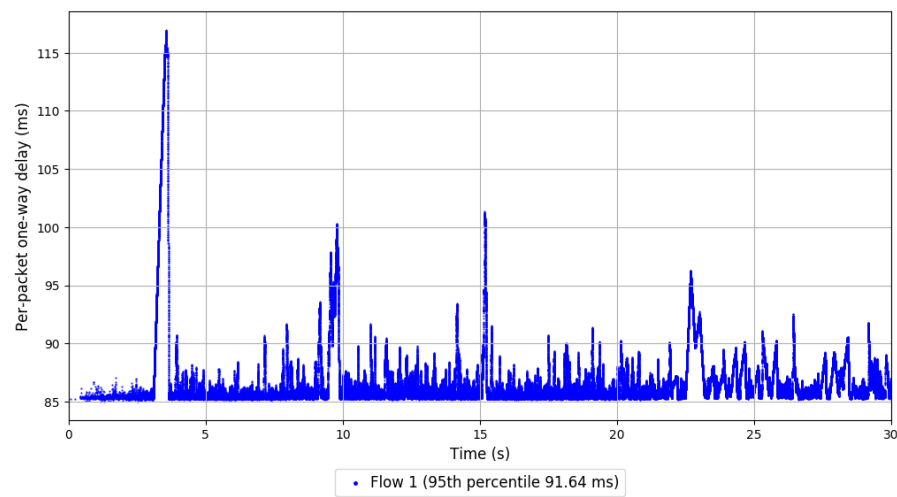
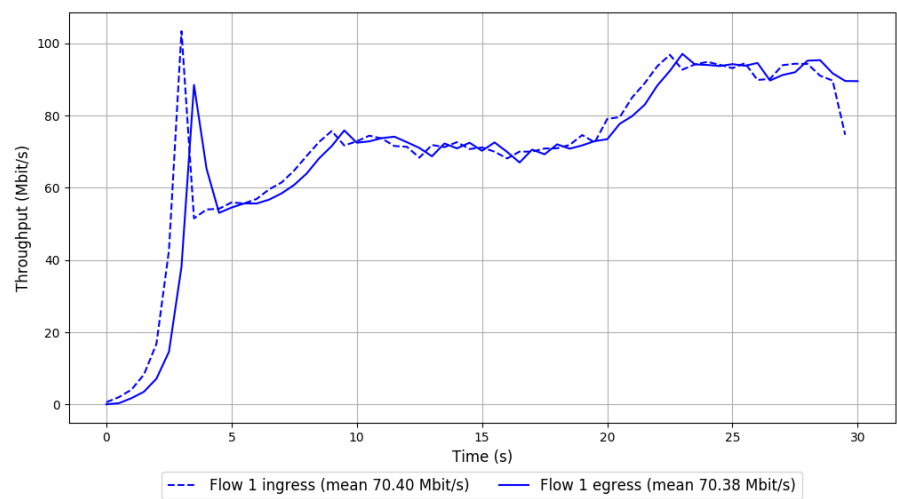
-- Flow 1:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 91.635 ms

Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-21 22:05:21

End at: 2018-08-21 22:05:51

Local clock offset: -4.284 ms

Remote clock offset: 7.182 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.24 Mbit/s

95th percentile per-packet one-way delay: 86.657 ms

Loss rate: 0.05%

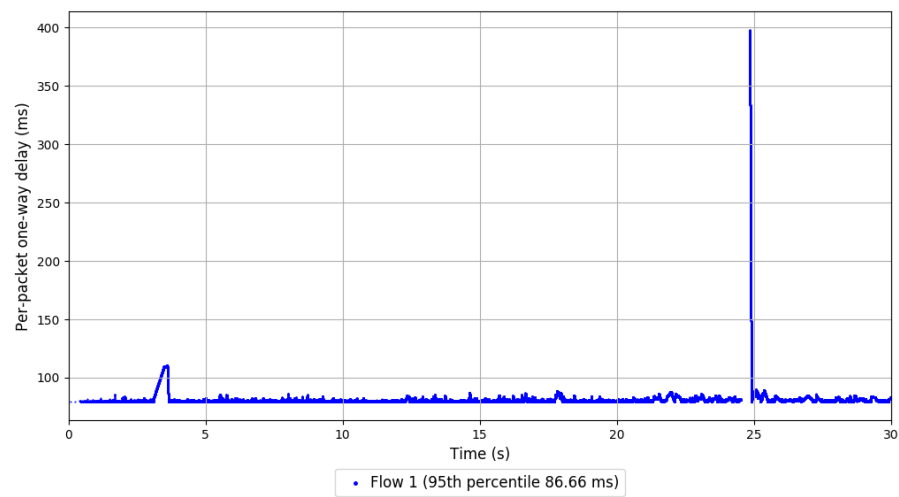
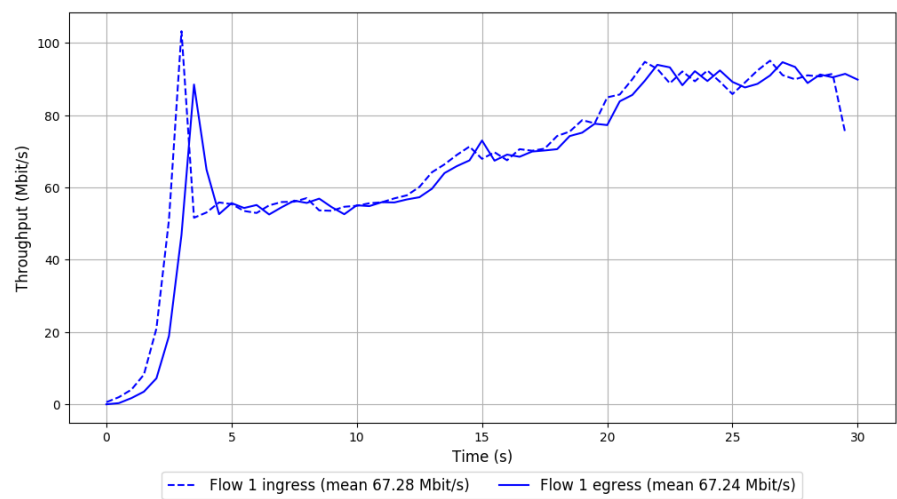
-- Flow 1:

Average throughput: 67.24 Mbit/s

95th percentile per-packet one-way delay: 86.657 ms

Loss rate: 0.05%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-21 19:10:57

End at: 2018-08-21 19:11:27

Local clock offset: -6.72 ms

Remote clock offset: 0.224 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 83.691 ms

Loss rate: 0.00%

-- Flow 1:

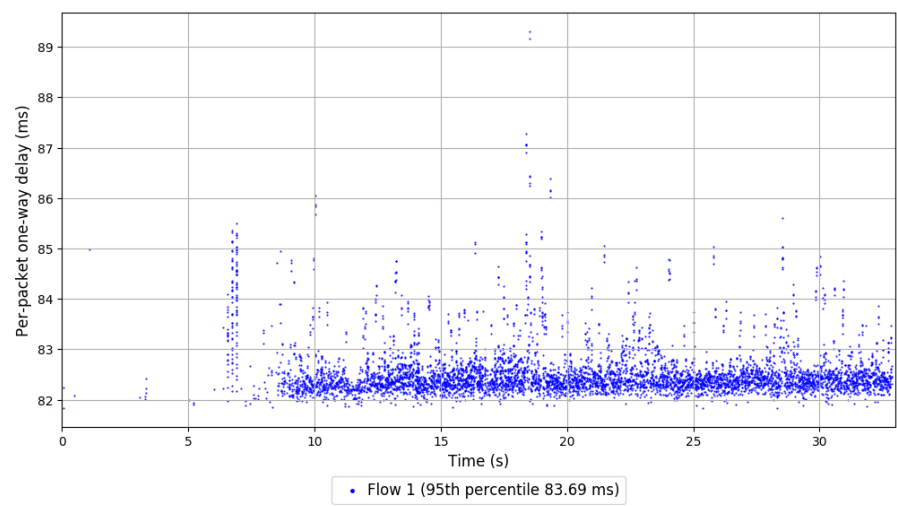
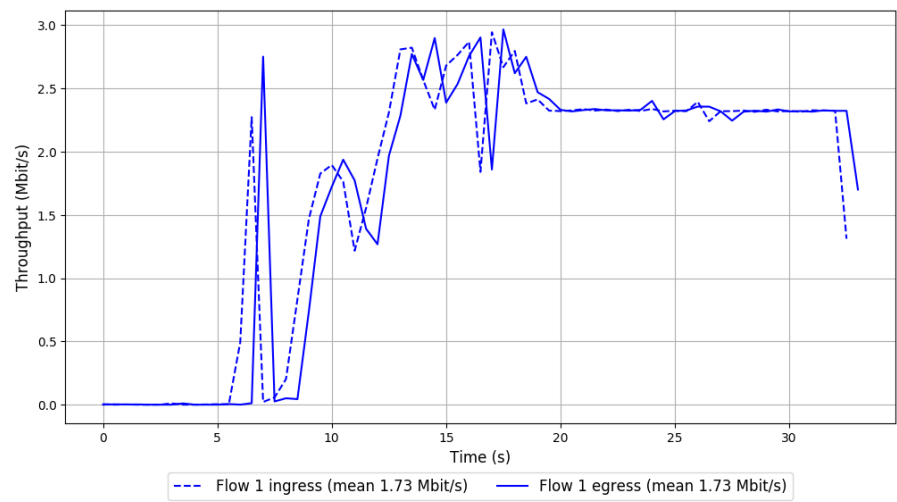
Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 83.691 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-21 19:30:52

End at: 2018-08-21 19:31:22

Local clock offset: -6.147 ms

Remote clock offset: 1.633 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 85.989 ms

Loss rate: 0.00%

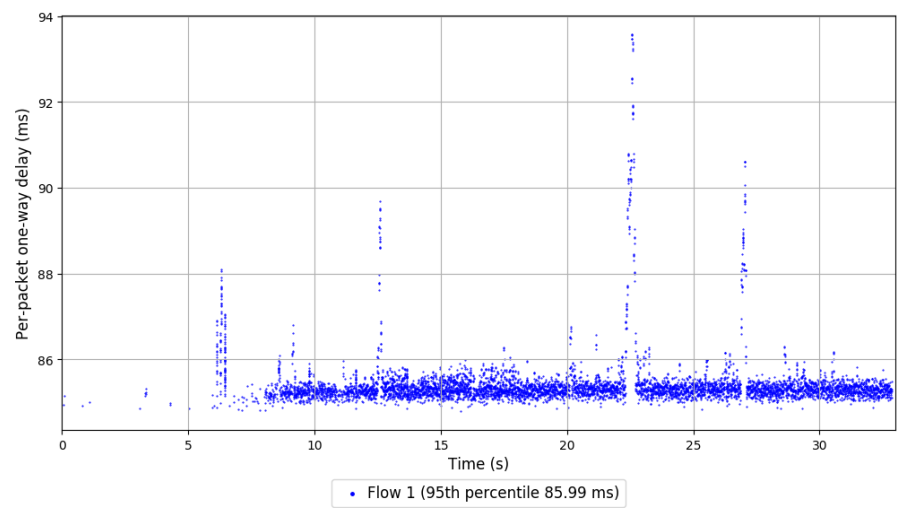
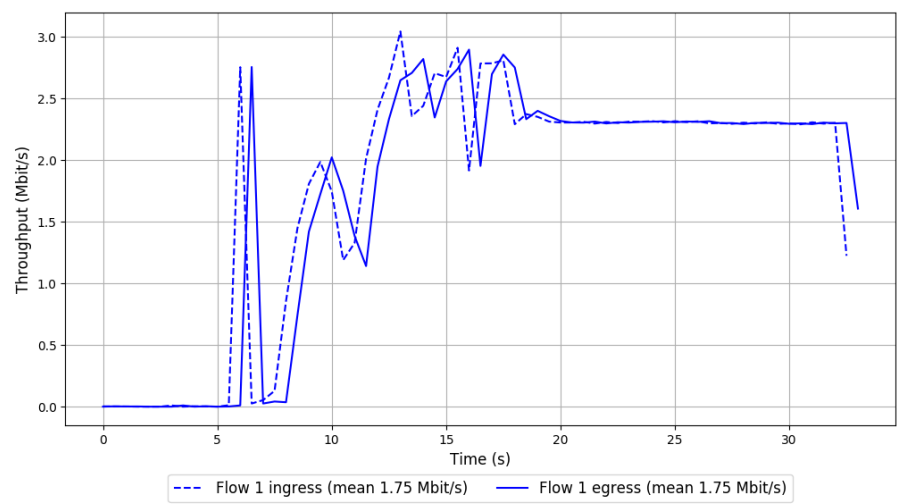
-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 85.989 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-21 19:50:42

End at: 2018-08-21 19:51:13

Local clock offset: -5.823 ms

Remote clock offset: 6.886 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 87.963 ms

Loss rate: 0.00%

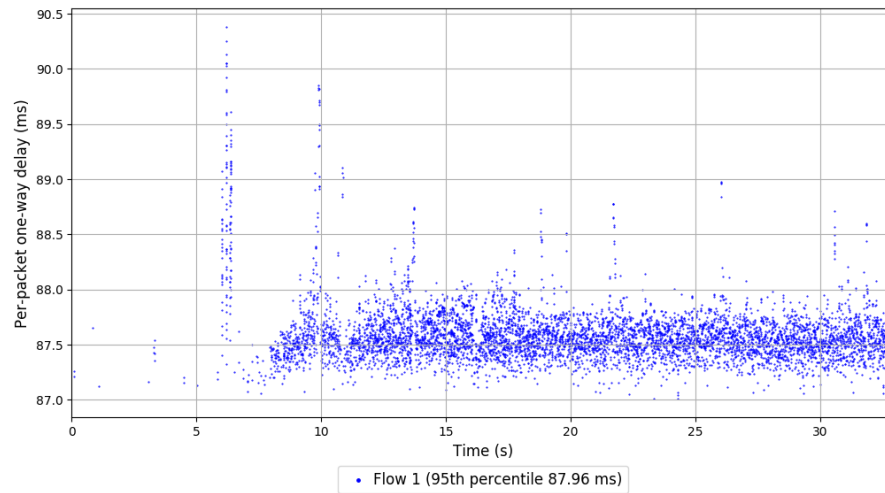
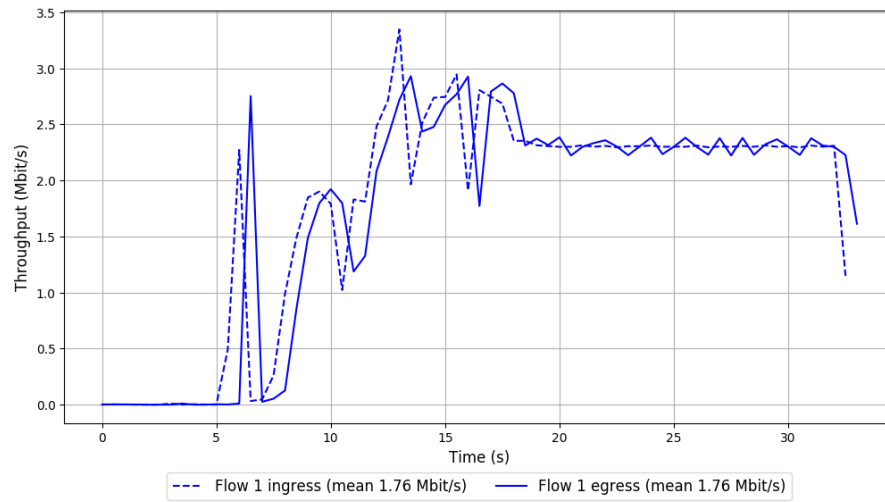
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 87.963 ms

Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-21 20:10:32

End at: 2018-08-21 20:11:02

Local clock offset: -4.964 ms

Remote clock offset: 2.97 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 82.041 ms

Loss rate: 0.00%

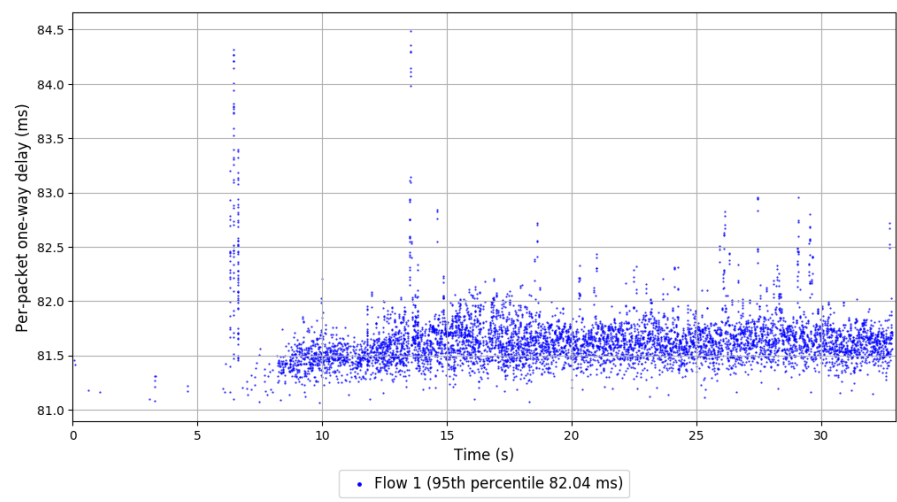
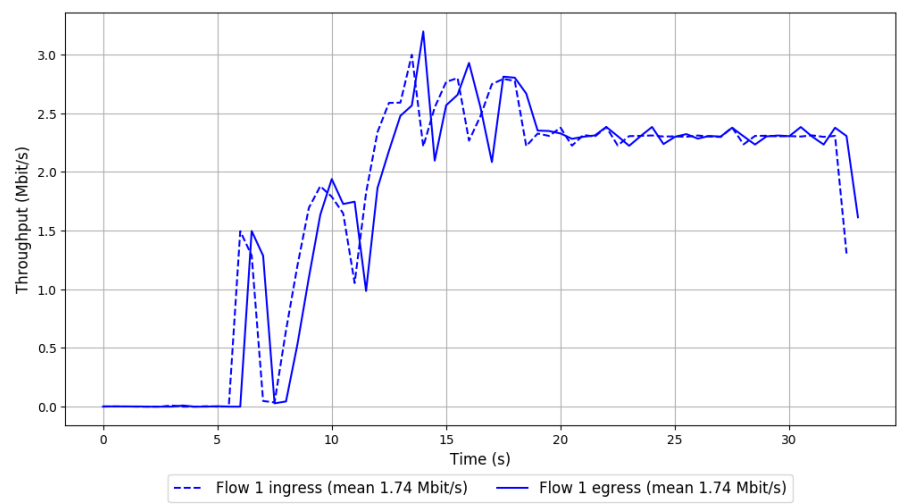
-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 82.041 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-21 20:30:27

End at: 2018-08-21 20:30:57

Local clock offset: -4.18 ms

Remote clock offset: 3.738 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 81.725 ms

Loss rate: 0.00%

-- Flow 1:

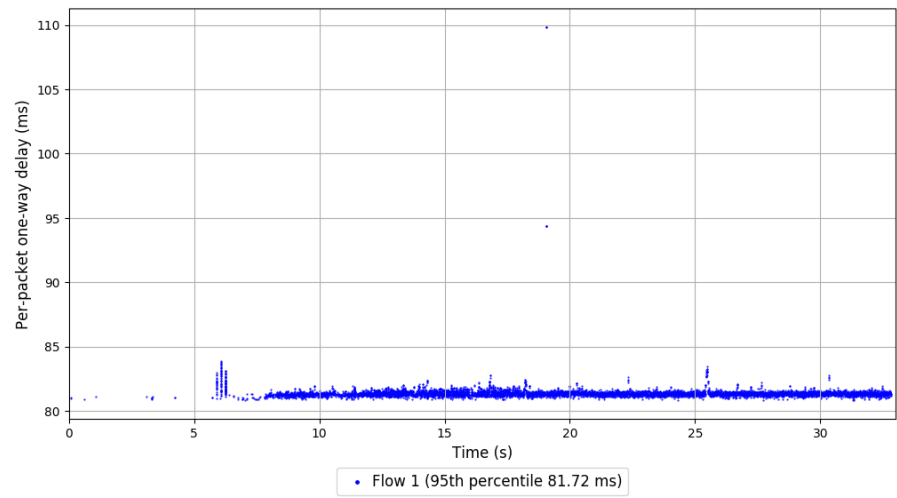
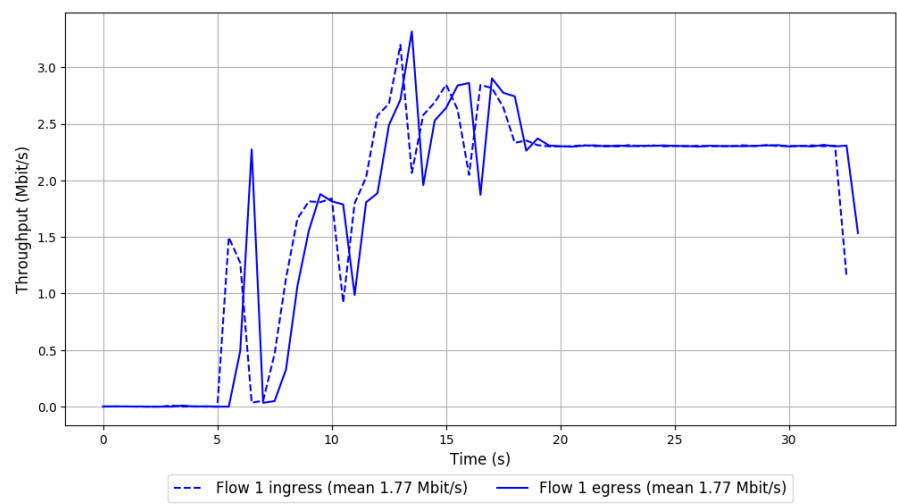
Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 81.725 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-21 20:50:20

End at: 2018-08-21 20:50:50

Local clock offset: -5.314 ms

Remote clock offset: 9.049 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 86.164 ms

Loss rate: 0.00%

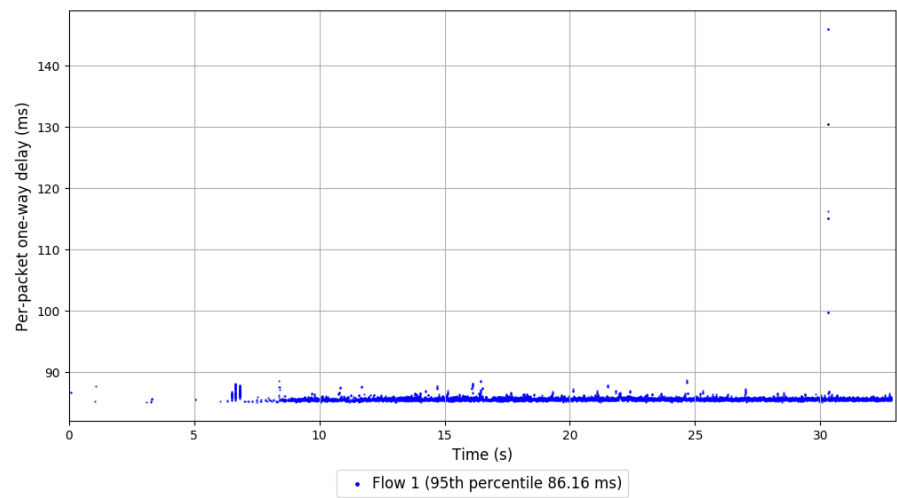
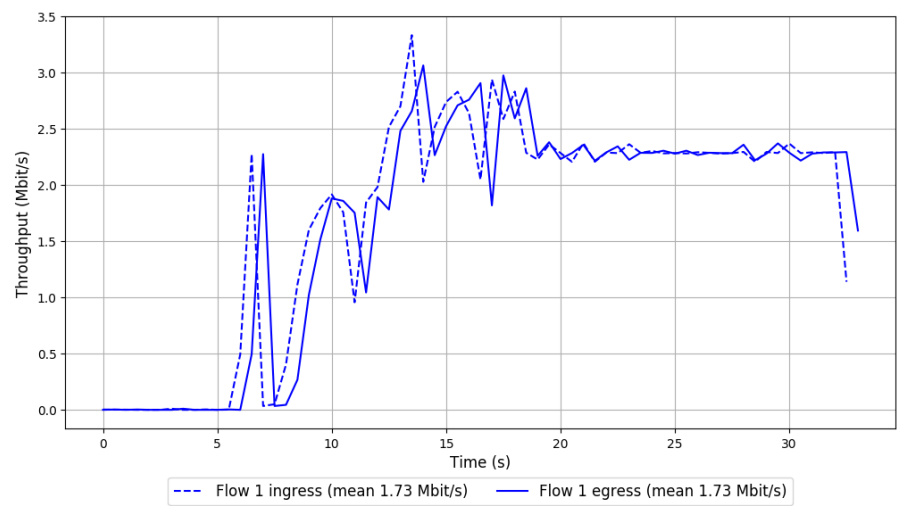
-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 86.164 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-21 21:10:18

End at: 2018-08-21 21:10:48

Local clock offset: -5.3 ms

Remote clock offset: 7.53 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 86.999 ms

Loss rate: 0.00%

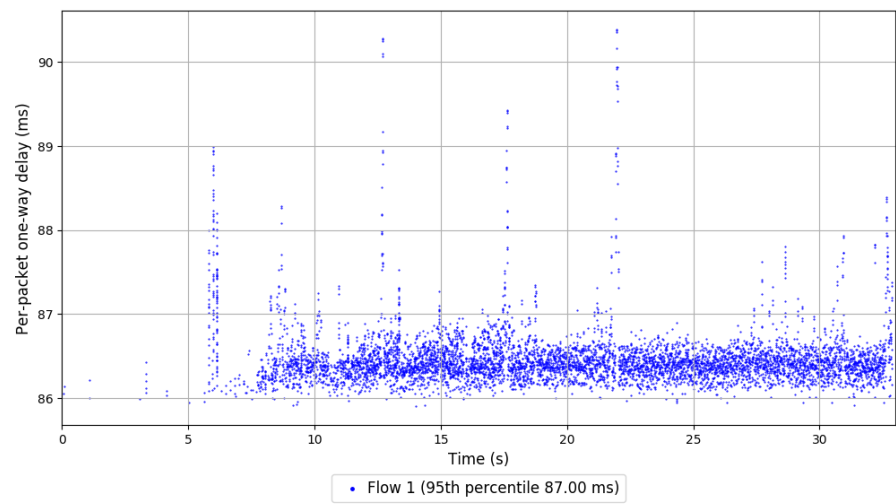
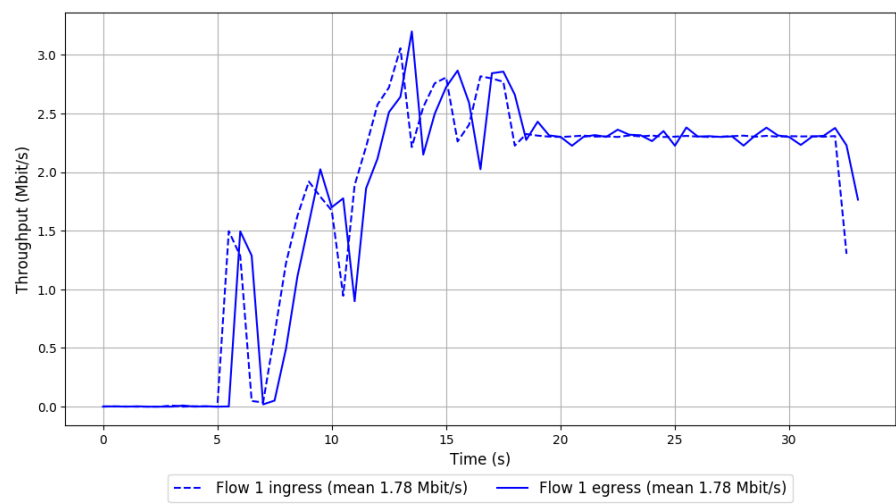
-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 86.999 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-21 21:30:16

End at: 2018-08-21 21:30:46

Local clock offset: -4.174 ms

Remote clock offset: 4.989 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 83.620 ms

Loss rate: 0.00%

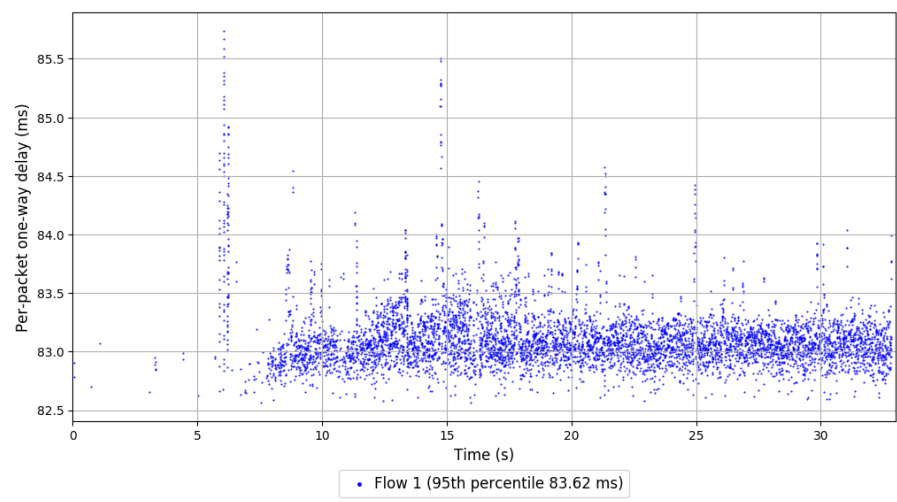
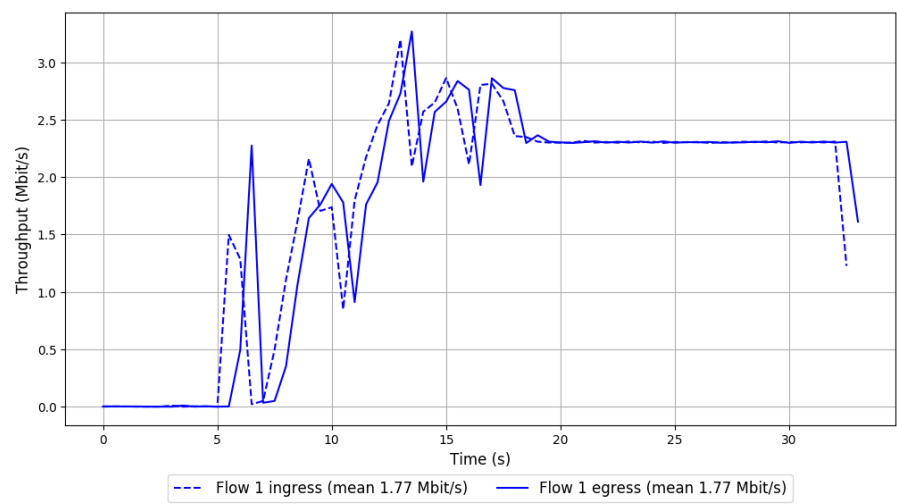
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 83.620 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-21 21:50:08

End at: 2018-08-21 21:50:38

Local clock offset: -4.977 ms

Remote clock offset: 8.06 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 84.895 ms

Loss rate: 0.00%

-- Flow 1:

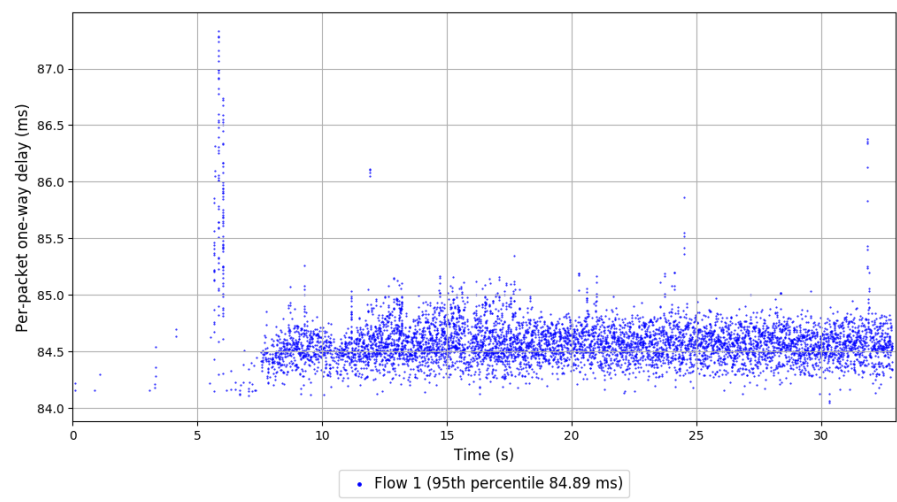
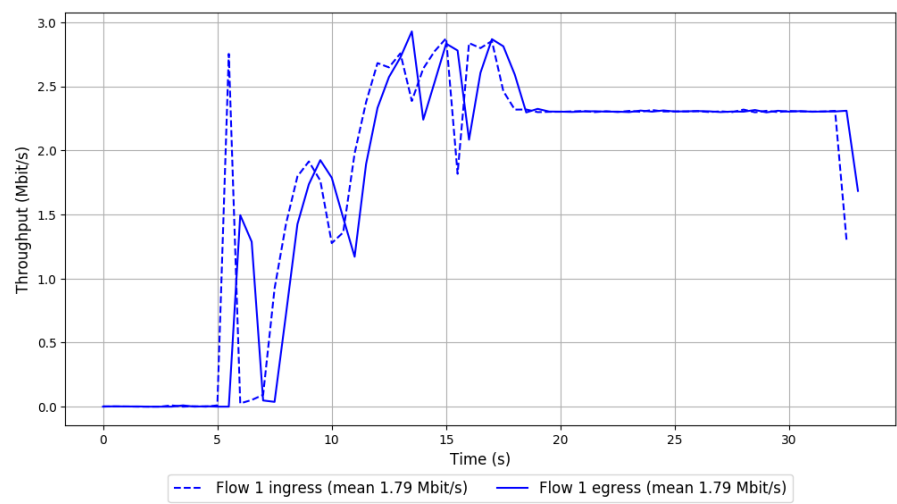
Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 84.895 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-21 22:10:01

End at: 2018-08-21 22:10:31

Local clock offset: -5.16 ms

Remote clock offset: 8.092 ms

# Below is generated by plot.py at 2018-08-21 22:37:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 81.530 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 81.530 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

