

## Pantheon Report

Generated at 2018-08-21 23:04:55 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico 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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

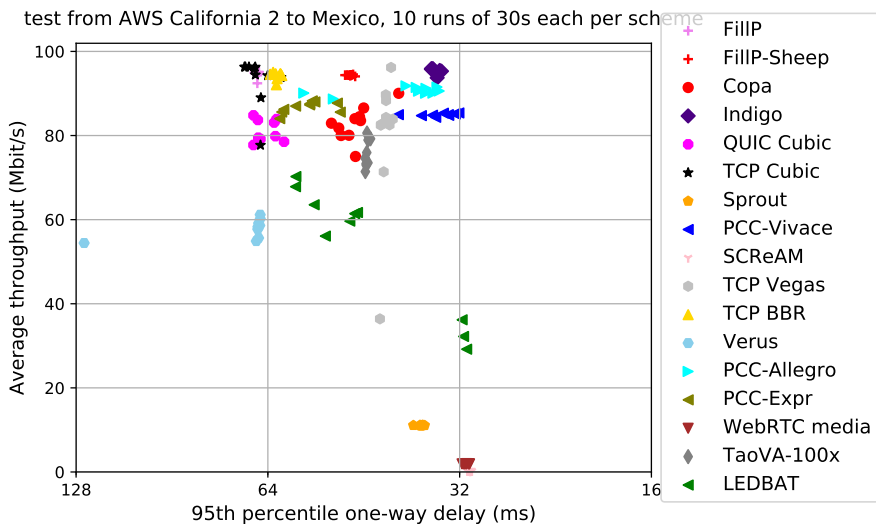
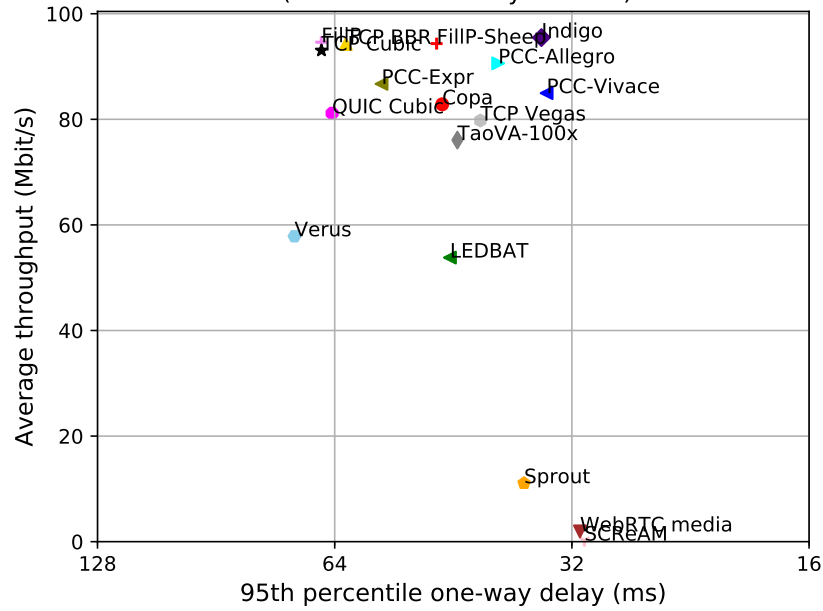
### System info:

```
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 California 2 to Mexico, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.27	61.94	3.93
Copa	10	82.84	46.75	0.88
TCP Cubic	10	93.04	66.52	0.32
FillP	10	94.61	66.56	9.07
FillP-Sheep	10	94.34	47.51	1.06
Indigo	10	95.48	34.98	0.03
LEDBAT	10	53.81	45.71	0.04
PCC-Allegro	10	90.60	39.69	0.73
PCC-Expr	10	86.72	55.82	0.78
QUIC Cubic	9	81.14	64.49	1.38
SCReAM	10	0.20	30.85	0.02
Sprout	10	11.08	36.80	0.03
TaoVA-100x	10	76.07	44.72	0.03
TCP Vegas	10	79.77	41.81	0.35
Verus	10	57.85	71.98	29.09
PCC-Vivace	10	84.96	34.46	0.01
WebRTC media	10	1.94	31.26	0.00

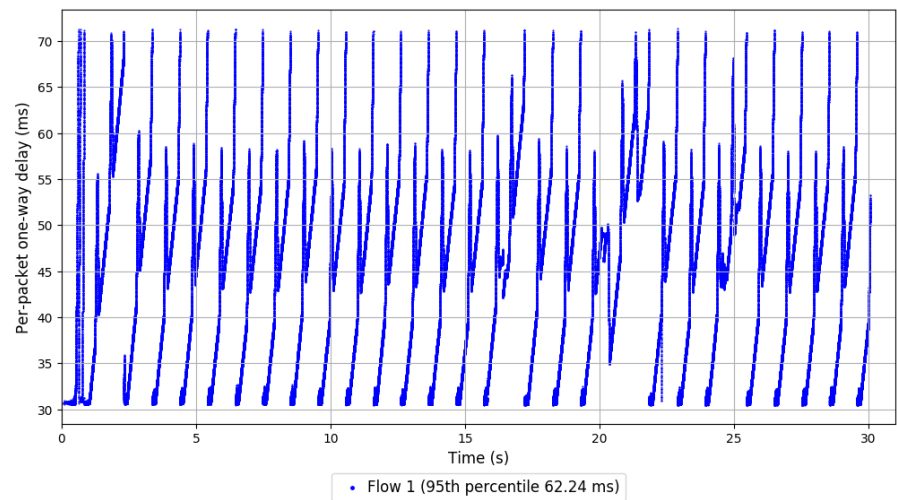
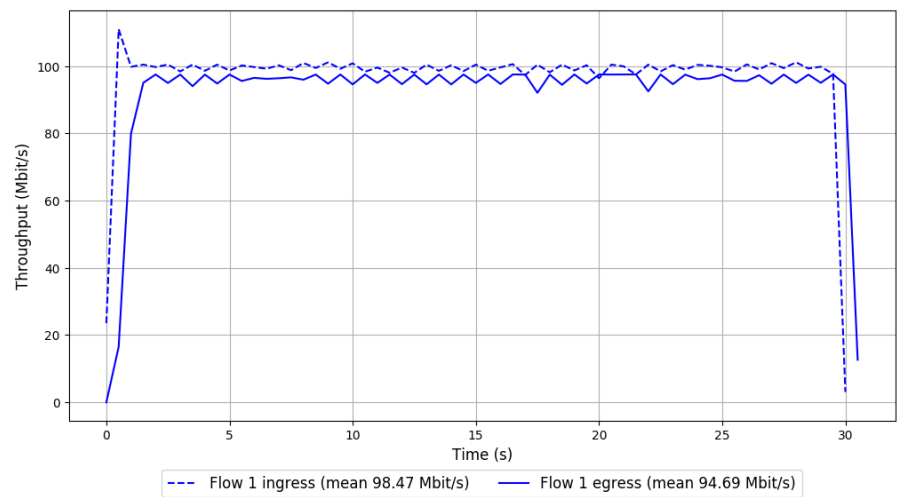
Run 1: Statistics of TCP BBR

Start at: 2018-08-21 18:59:43  
End at: 2018-08-21 19:00:13  
Local clock offset: -8.525 ms  
Remote clock offset: -0.978 ms

# Below is generated by plot.py at 2018-08-21 22:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.69 Mbit/s  
95th percentile per-packet one-way delay: 62.237 ms  
Loss rate: 3.76%  
-- Flow 1:  
Average throughput: 94.69 Mbit/s  
95th percentile per-packet one-way delay: 62.237 ms  
Loss rate: 3.76%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

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

End at: 2018-08-21 19:22:24

Local clock offset: -4.3 ms

Remote clock offset: -0.919 ms

# Below is generated by plot.py at 2018-08-21 22:43:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 61.214 ms

Loss rate: 3.95%

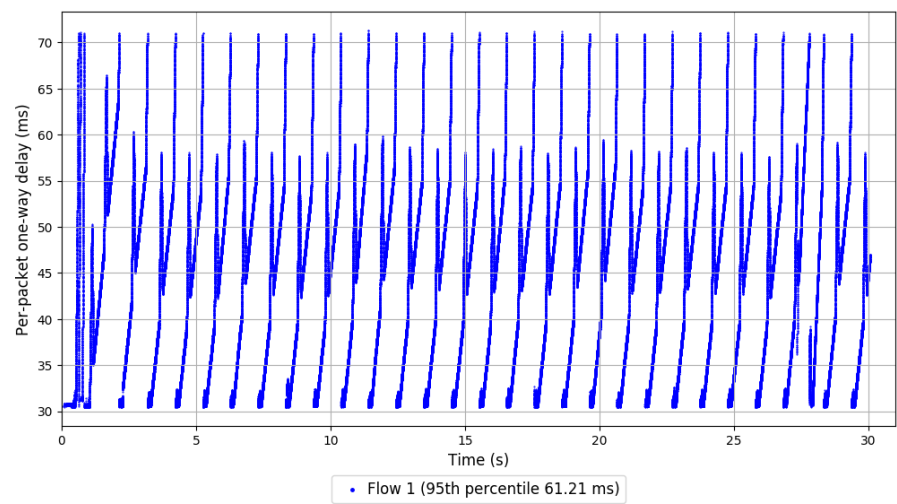
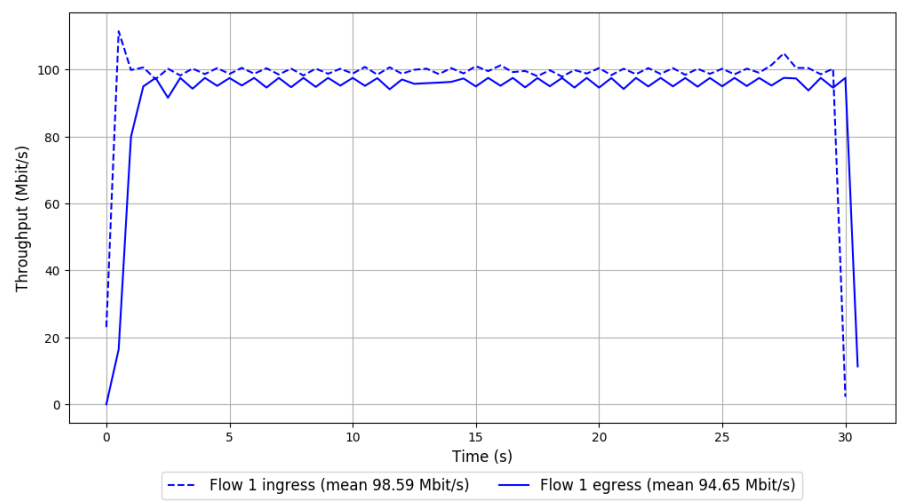
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 61.214 ms

Loss rate: 3.95%

Run 2: Report of TCP BBR — Data Link

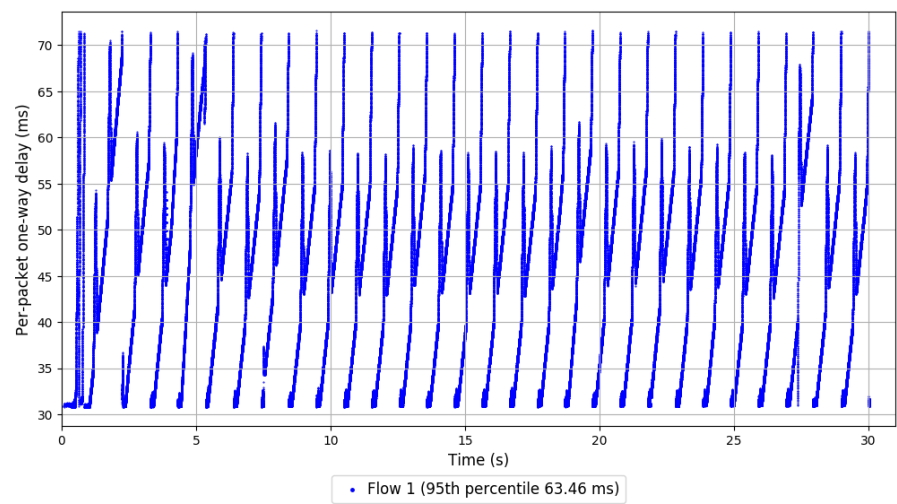
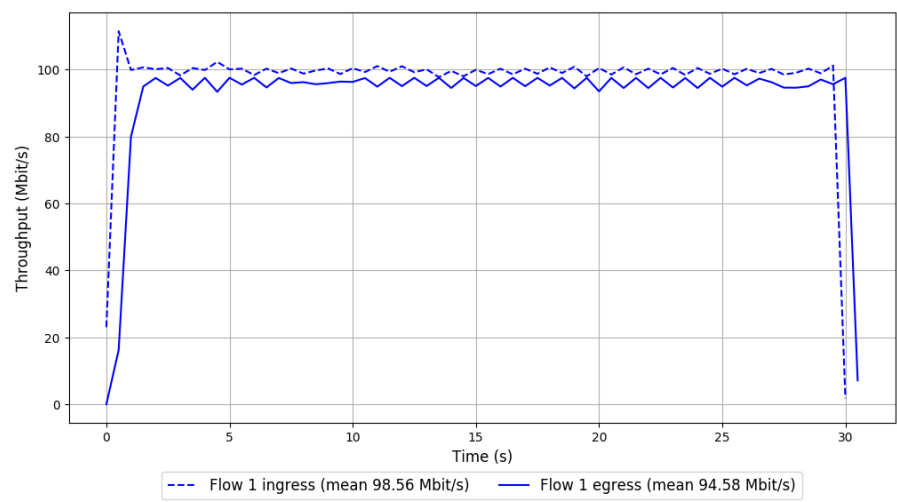


Run 3: Statistics of TCP BBR

Start at: 2018-08-21 19:44:14  
End at: 2018-08-21 19:44:44  
Local clock offset: -3.148 ms  
Remote clock offset: -0.832 ms

# Below is generated by plot.py at 2018-08-21 22:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.58 Mbit/s  
95th percentile per-packet one-way delay: 63.461 ms  
Loss rate: 4.04%  
-- Flow 1:  
Average throughput: 94.58 Mbit/s  
95th percentile per-packet one-way delay: 63.461 ms  
Loss rate: 4.04%

Run 3: Report of TCP BBR — Data Link

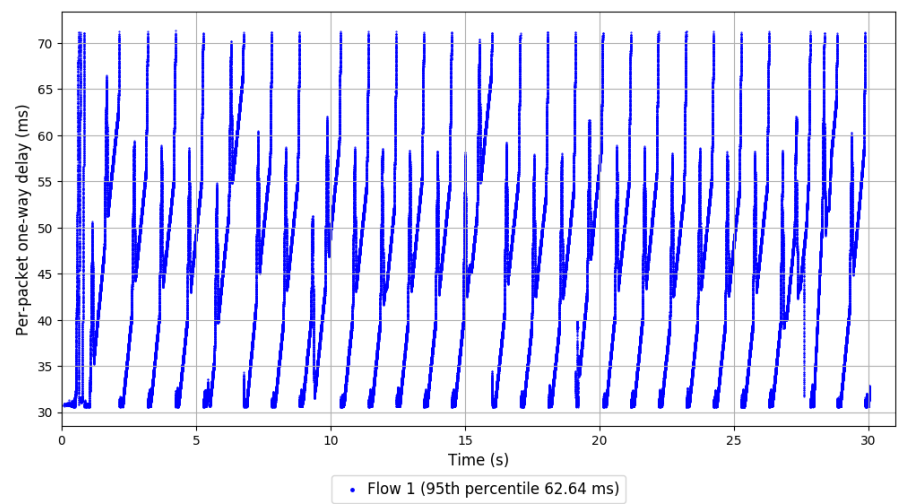
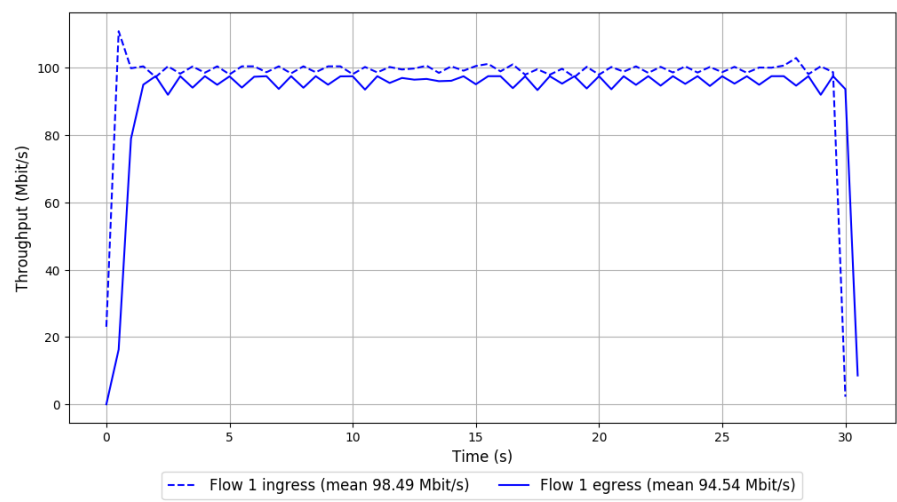


Run 4: Statistics of TCP BBR

Start at: 2018-08-21 20:06:30  
End at: 2018-08-21 20:07:00  
Local clock offset: -2.884 ms  
Remote clock offset: -0.503 ms

# Below is generated by plot.py at 2018-08-21 22:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.54 Mbit/s  
95th percentile per-packet one-way delay: 62.637 ms  
Loss rate: 4.01%  
-- Flow 1:  
Average throughput: 94.54 Mbit/s  
95th percentile per-packet one-way delay: 62.637 ms  
Loss rate: 4.01%

Run 4: Report of TCP BBR — Data Link



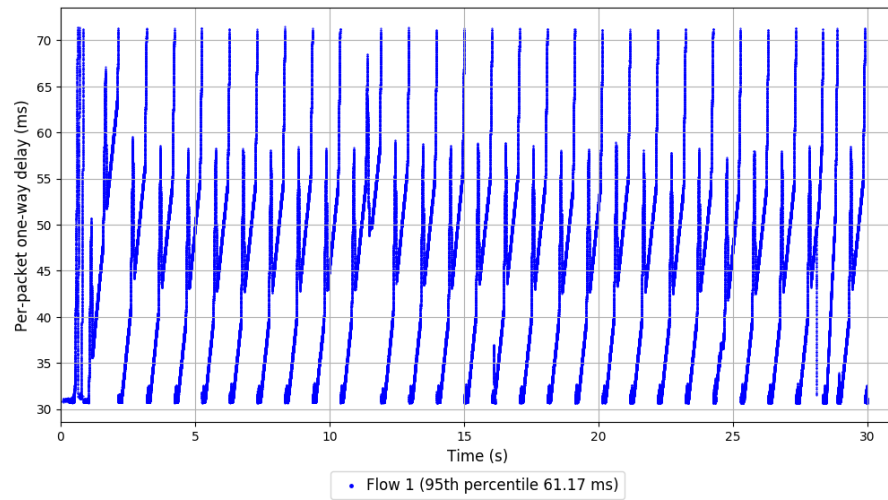
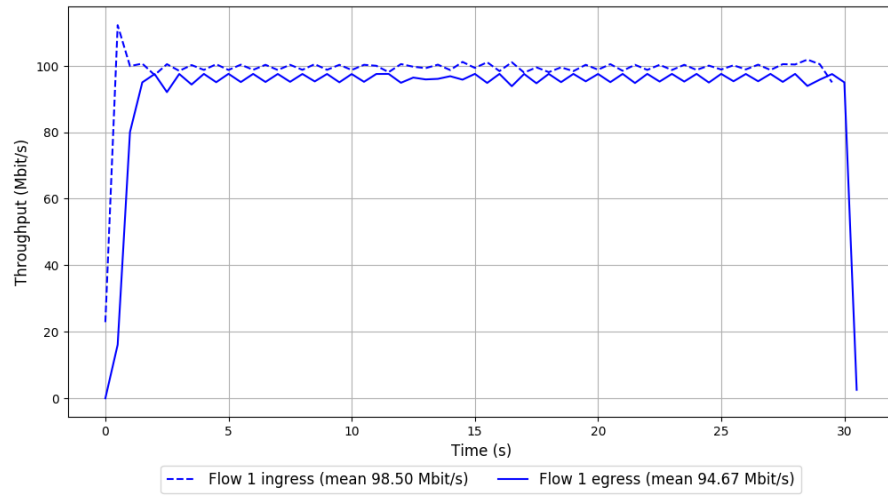
Run 5: Statistics of TCP BBR

Start at: 2018-08-21 20:28:45  
End at: 2018-08-21 20:29:15  
Local clock offset: -4.742 ms  
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2018-08-21 22:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.67 Mbit/s  
95th percentile per-packet one-way delay: 61.170 ms  
Loss rate: 3.88%  
-- Flow 1:  
Average throughput: 94.67 Mbit/s  
95th percentile per-packet one-way delay: 61.170 ms  
Loss rate: 3.88%



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

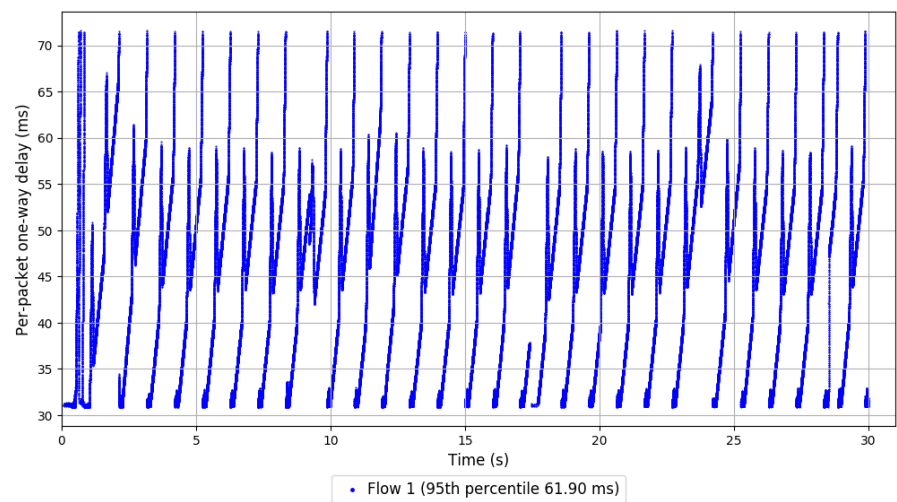
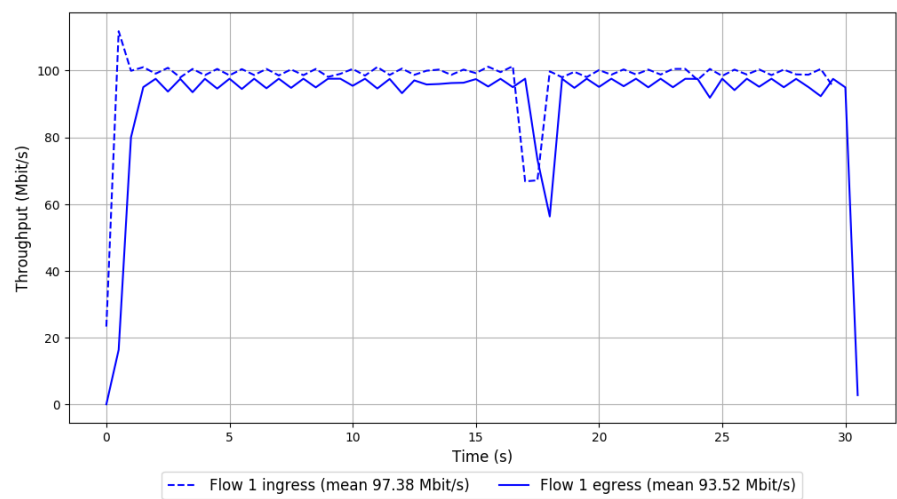


Run 6: Statistics of TCP BBR

Start at: 2018-08-21 20:50:59  
End at: 2018-08-21 20:51:29  
Local clock offset: -3.945 ms  
Remote clock offset: -0.441 ms

# Below is generated by plot.py at 2018-08-21 22:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.52 Mbit/s  
95th percentile per-packet one-way delay: 61.896 ms  
Loss rate: 3.96%  
-- Flow 1:  
Average throughput: 93.52 Mbit/s  
95th percentile per-packet one-way delay: 61.896 ms  
Loss rate: 3.96%

Run 6: Report of TCP BBR — Data Link

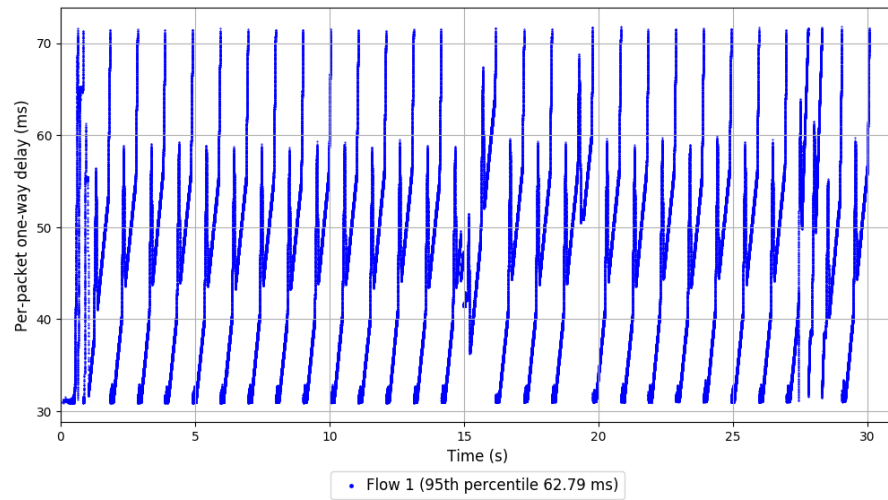
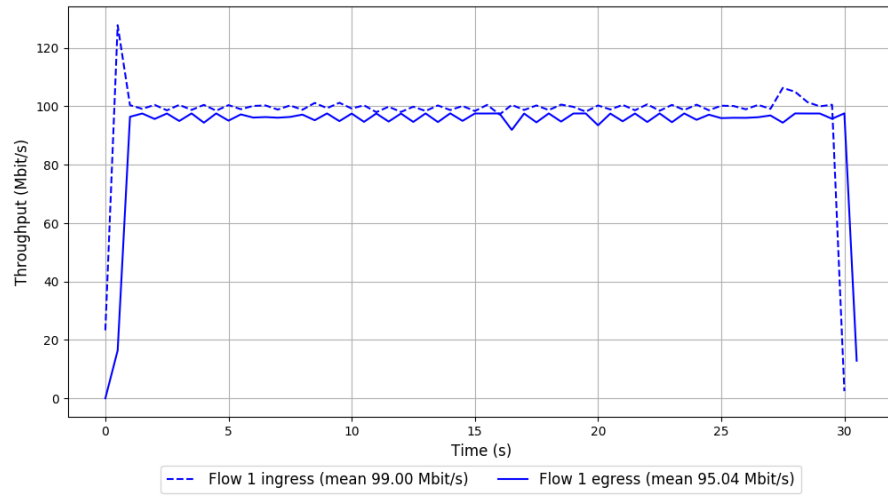


Run 7: Statistics of TCP BBR

Start at: 2018-08-21 21:13:13  
End at: 2018-08-21 21:13:43  
Local clock offset: -1.904 ms  
Remote clock offset: -0.617 ms

# Below is generated by plot.py at 2018-08-21 22:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.04 Mbit/s  
95th percentile per-packet one-way delay: 62.794 ms  
Loss rate: 3.93%  
-- Flow 1:  
Average throughput: 95.04 Mbit/s  
95th percentile per-packet one-way delay: 62.794 ms  
Loss rate: 3.93%

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



Run 8: Statistics of TCP BBR

Start at: 2018-08-21 21:35:29

End at: 2018-08-21 21:35:59

Local clock offset: 0.713 ms

Remote clock offset: -0.89 ms

# Below is generated by plot.py at 2018-08-21 22:43:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 61.091 ms

Loss rate: 3.90%

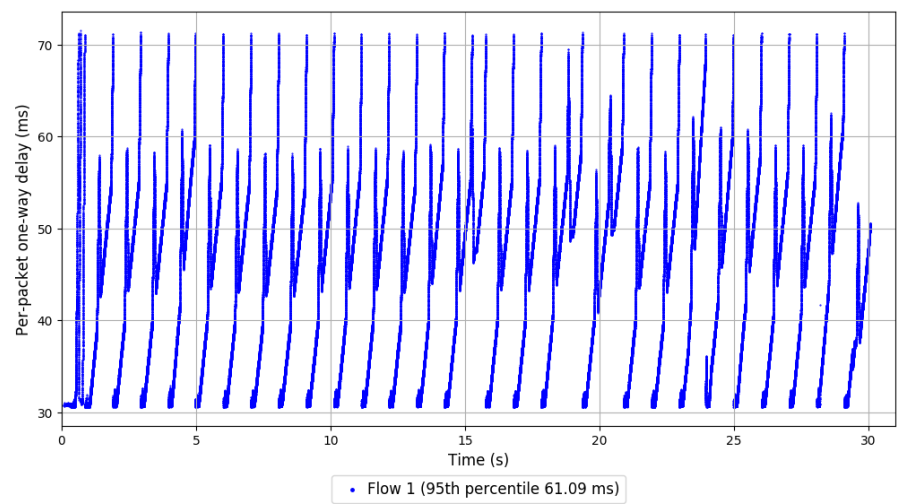
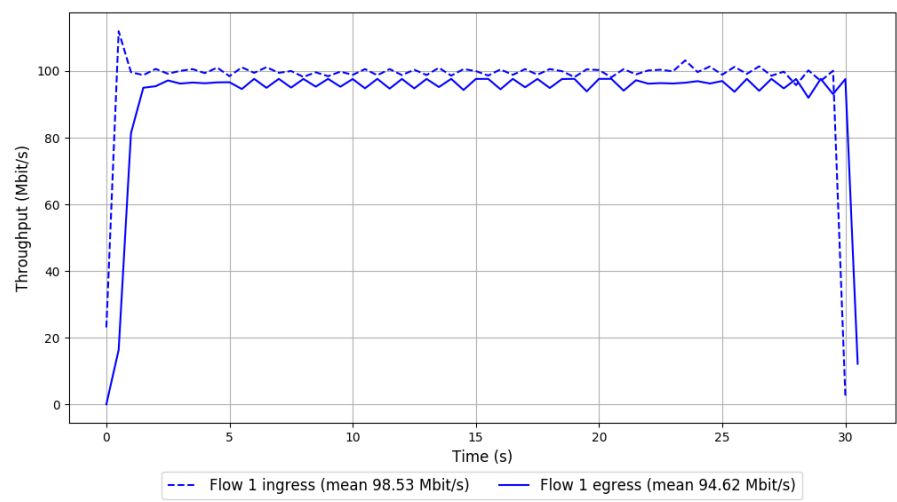
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 61.091 ms

Loss rate: 3.90%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-21 21:57:44

End at: 2018-08-21 21:58:14

Local clock offset: 0.199 ms

Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2018-08-21 22:44:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 60.860 ms

Loss rate: 3.91%

-- Flow 1:

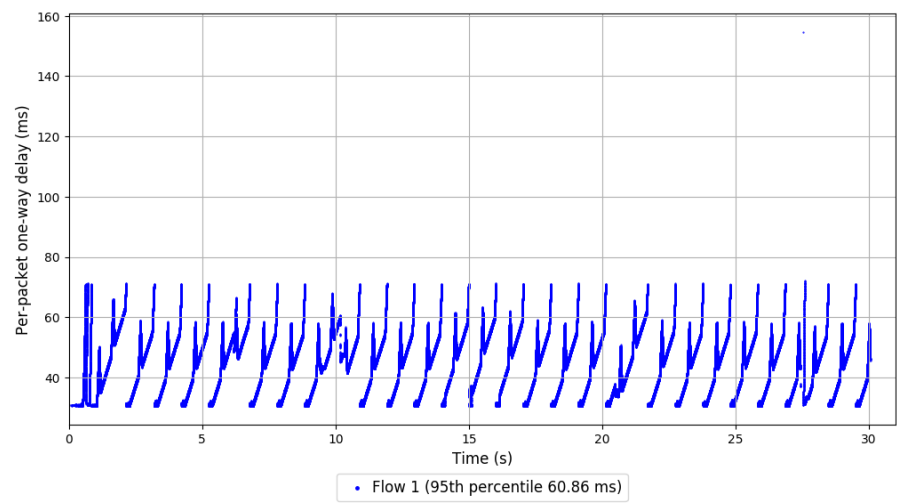
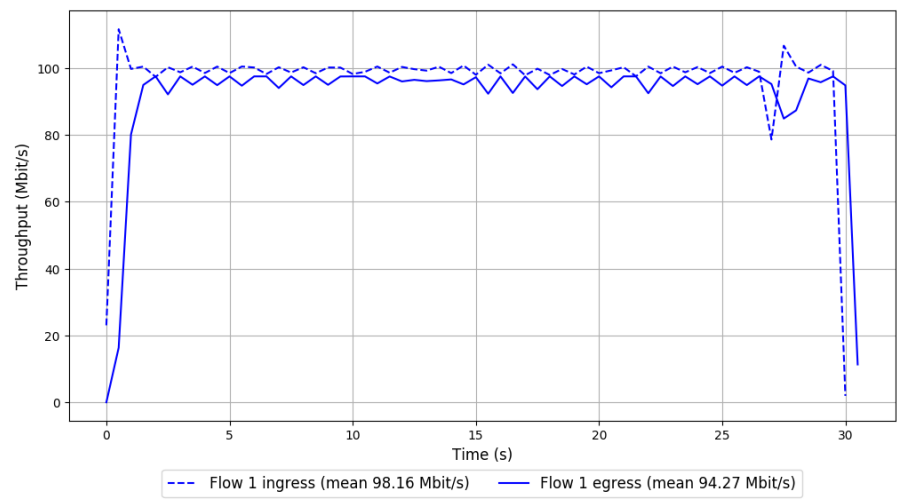
Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 60.860 ms

Loss rate: 3.91%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-21 22:20:07

End at: 2018-08-21 22:20:37

Local clock offset: 0.039 ms

Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2018-08-21 22:44:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 62.055 ms

Loss rate: 3.97%

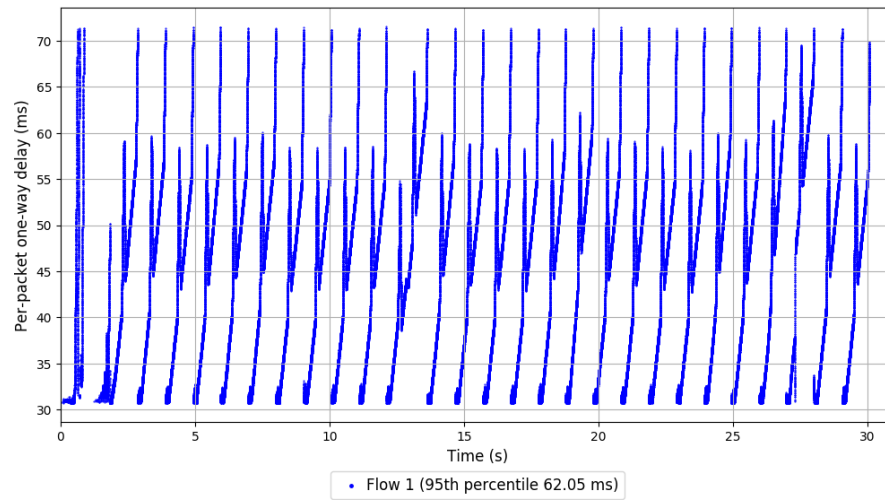
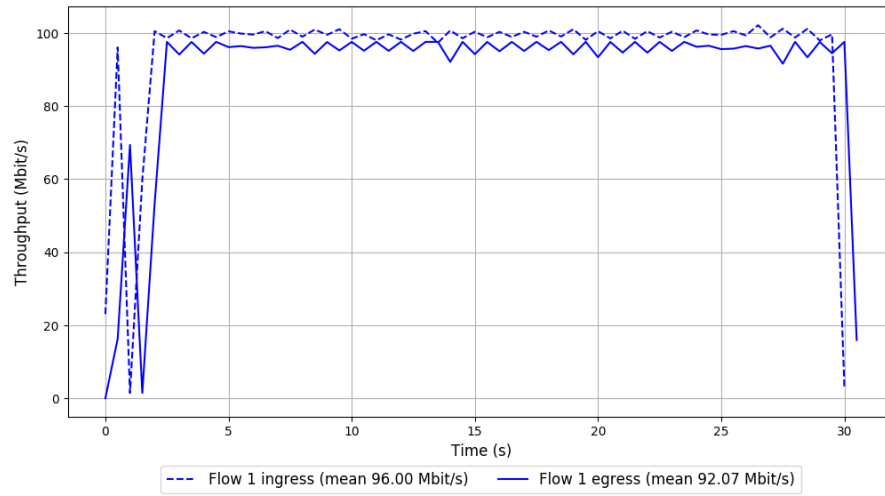
-- Flow 1:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 62.055 ms

Loss rate: 3.97%

# Run 10: Report of TCP BBR — Data Link

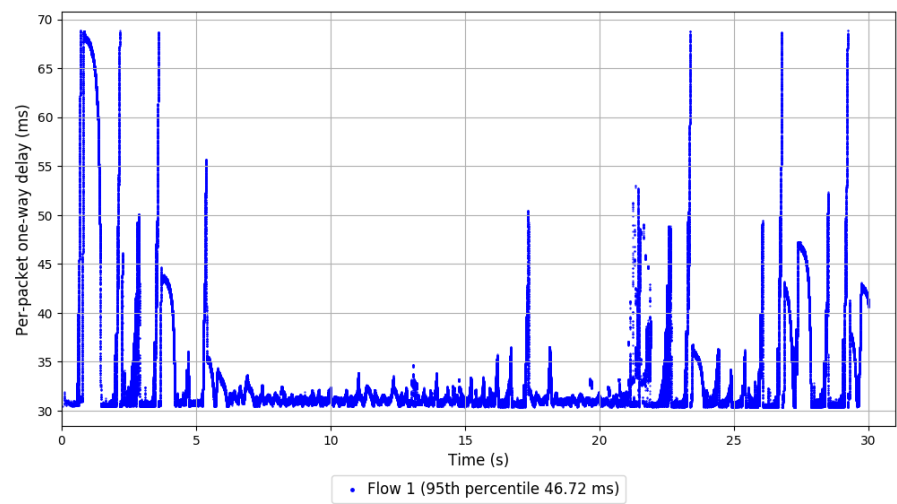
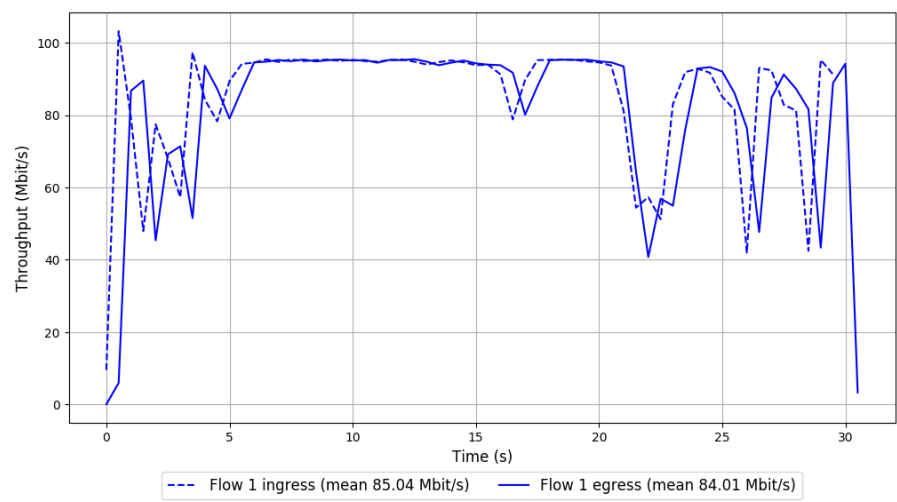


Run 1: Statistics of Copa

Start at: 2018-08-21 19:06:09  
End at: 2018-08-21 19:06:39  
Local clock offset: -9.862 ms  
Remote clock offset: -0.942 ms

# Below is generated by plot.py at 2018-08-21 22:45:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.01 Mbit/s  
95th percentile per-packet one-way delay: 46.724 ms  
Loss rate: 1.18%  
-- Flow 1:  
Average throughput: 84.01 Mbit/s  
95th percentile per-packet one-way delay: 46.724 ms  
Loss rate: 1.18%

Run 1: Report of Copa — Data Link

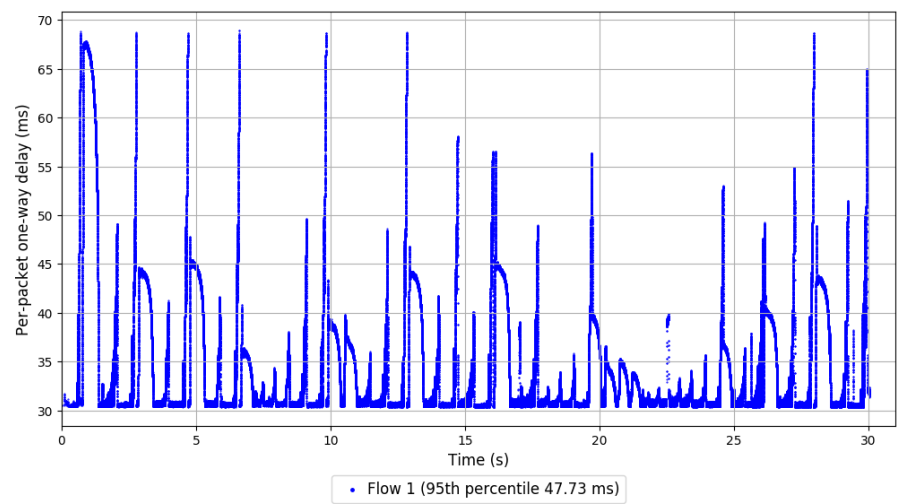
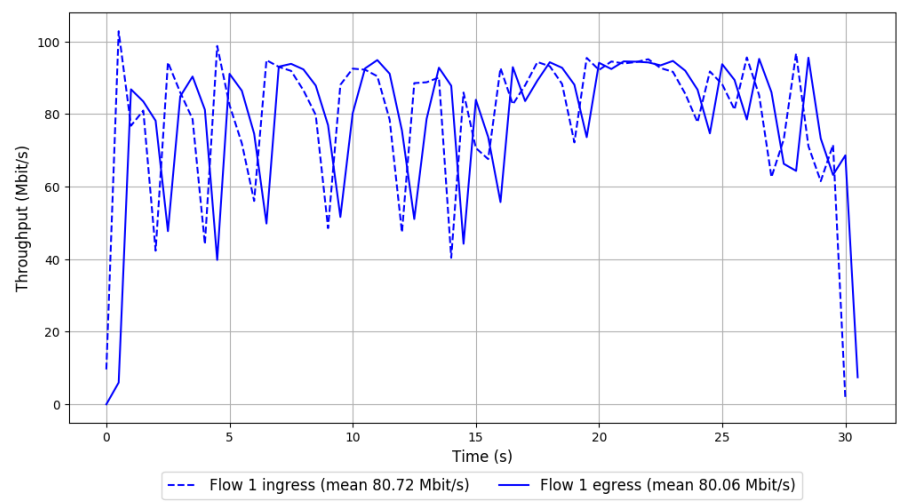


Run 2: Statistics of Copa

Start at: 2018-08-21 19:28:28  
End at: 2018-08-21 19:28:58  
Local clock offset: -4.618 ms  
Remote clock offset: -0.843 ms

# Below is generated by plot.py at 2018-08-21 22:45:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.06 Mbit/s  
95th percentile per-packet one-way delay: 47.735 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 80.06 Mbit/s  
95th percentile per-packet one-way delay: 47.735 ms  
Loss rate: 0.81%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-21 19:50:47

End at: 2018-08-21 19:51:17

Local clock offset: -2.438 ms

Remote clock offset: -0.72 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 45.266 ms

Loss rate: 0.72%

-- Flow 1:

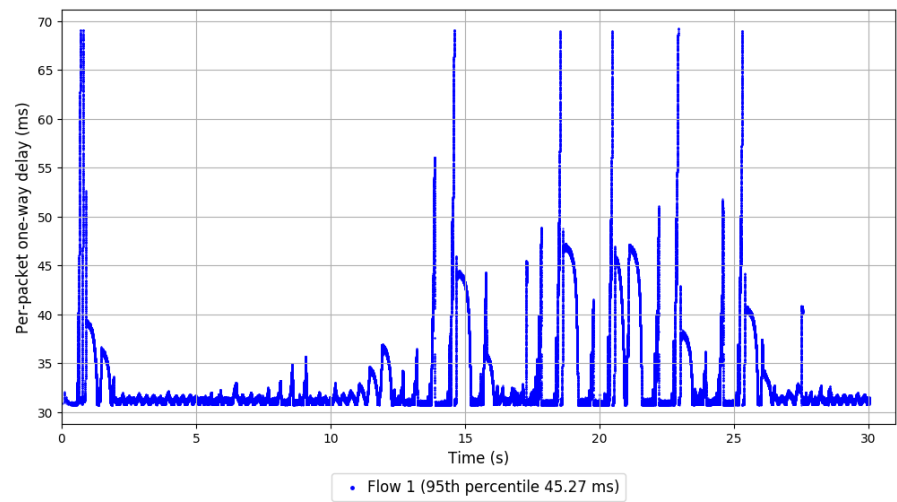
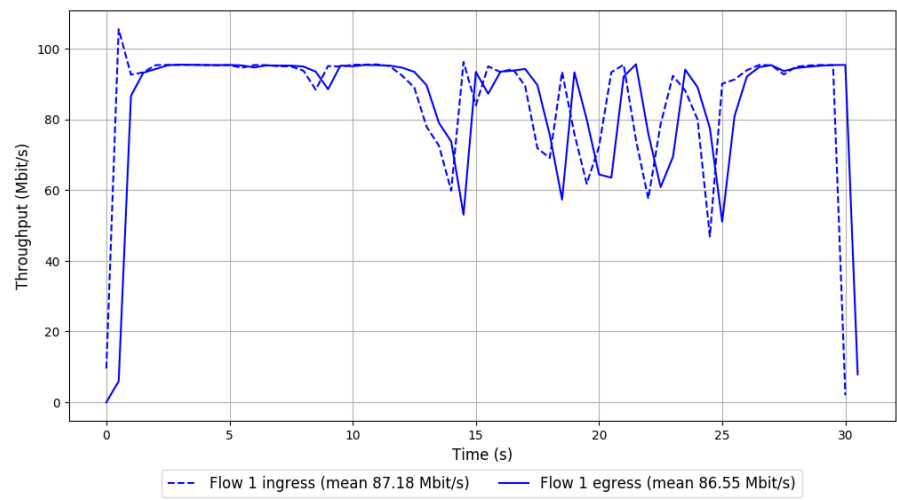
Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 45.266 ms

Loss rate: 0.72%



Run 3: Report of Copa — Data Link

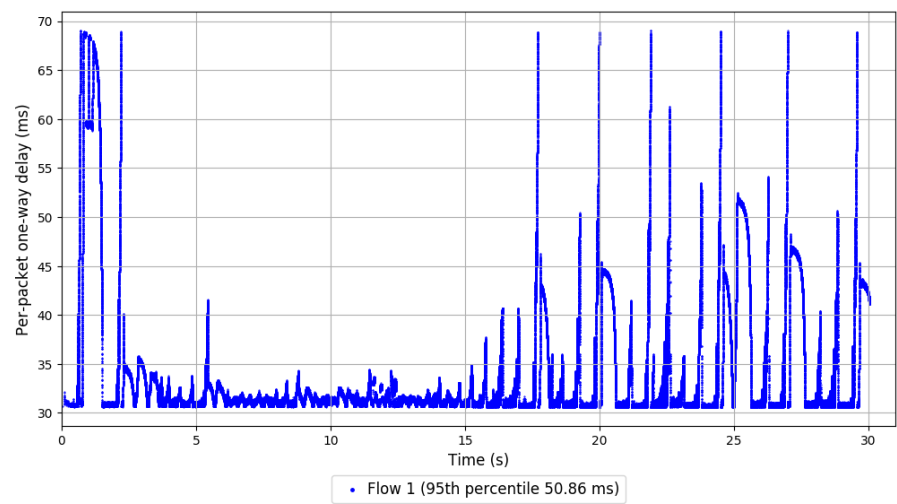
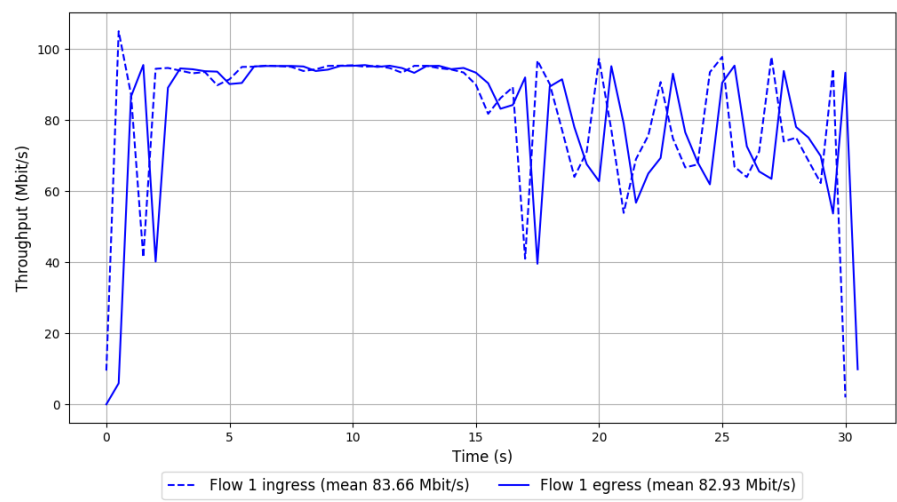


Run 4: Statistics of Copa

Start at: 2018-08-21 20:13:04  
End at: 2018-08-21 20:13:34  
Local clock offset: -3.457 ms  
Remote clock offset: -0.522 ms

# Below is generated by plot.py at 2018-08-21 22:45:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.93 Mbit/s  
95th percentile per-packet one-way delay: 50.861 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 82.93 Mbit/s  
95th percentile per-packet one-way delay: 50.861 ms  
Loss rate: 0.84%

Run 4: Report of Copa — Data Link

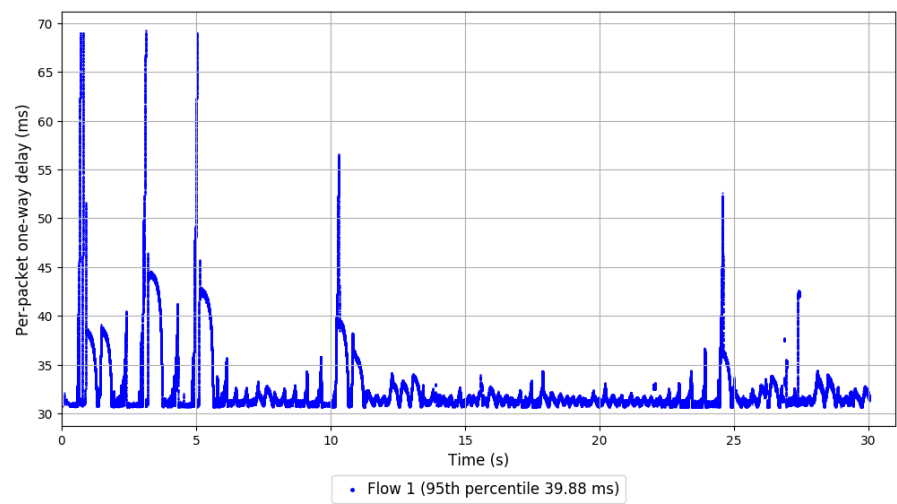
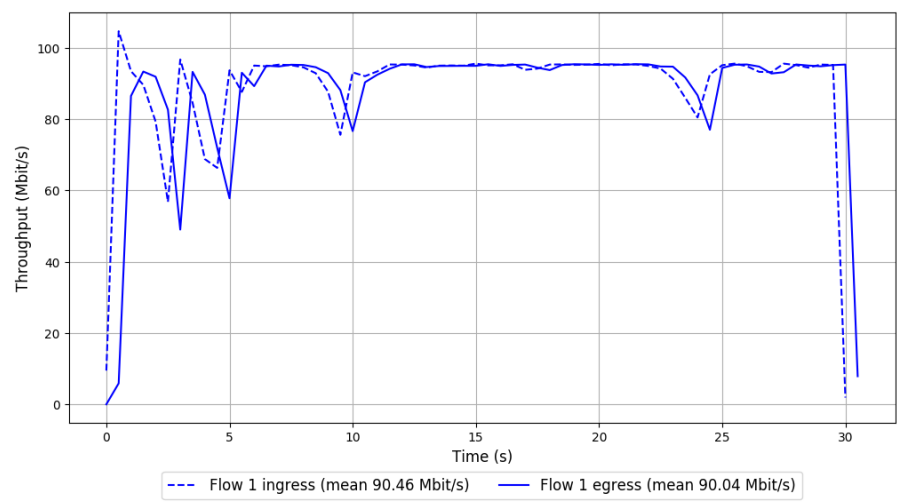


Run 5: Statistics of Copa

Start at: 2018-08-21 20:35:17  
End at: 2018-08-21 20:35:47  
Local clock offset: -5.439 ms  
Remote clock offset: -0.244 ms

# Below is generated by plot.py at 2018-08-21 22:45:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.04 Mbit/s  
95th percentile per-packet one-way delay: 39.881 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 90.04 Mbit/s  
95th percentile per-packet one-way delay: 39.881 ms  
Loss rate: 0.46%

Run 5: Report of Copa — Data Link

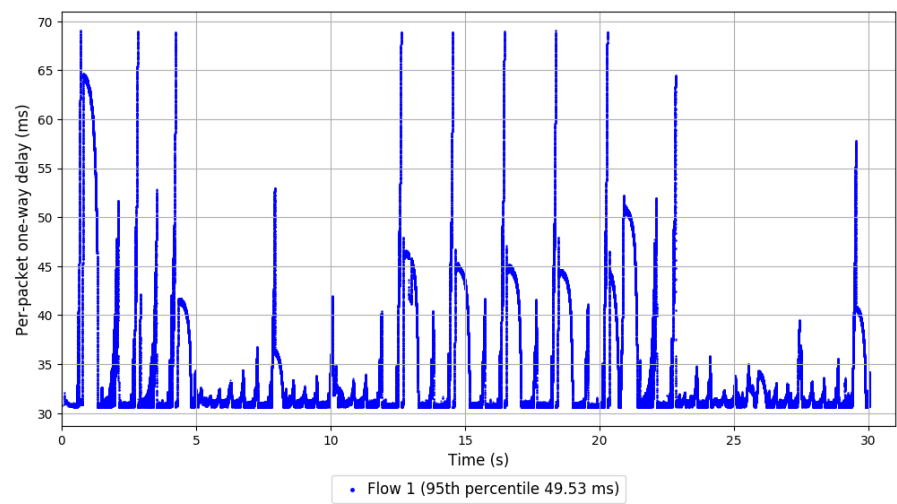
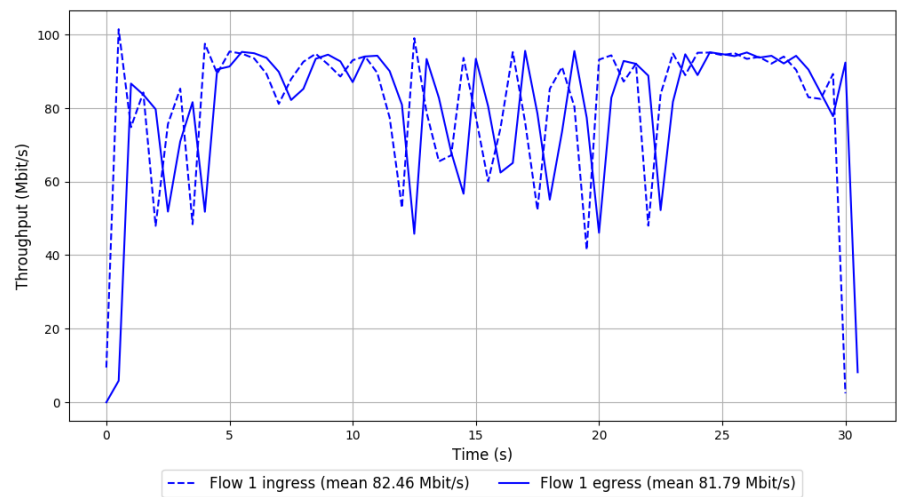


Run 6: Statistics of Copa

Start at: 2018-08-21 20:57:31  
End at: 2018-08-21 20:58:01  
Local clock offset: -3.833 ms  
Remote clock offset: -0.586 ms

# Below is generated by plot.py at 2018-08-21 22:45:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.79 Mbit/s  
95th percentile per-packet one-way delay: 49.530 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 81.79 Mbit/s  
95th percentile per-packet one-way delay: 49.530 ms  
Loss rate: 0.80%

Run 6: Report of Copa — Data Link



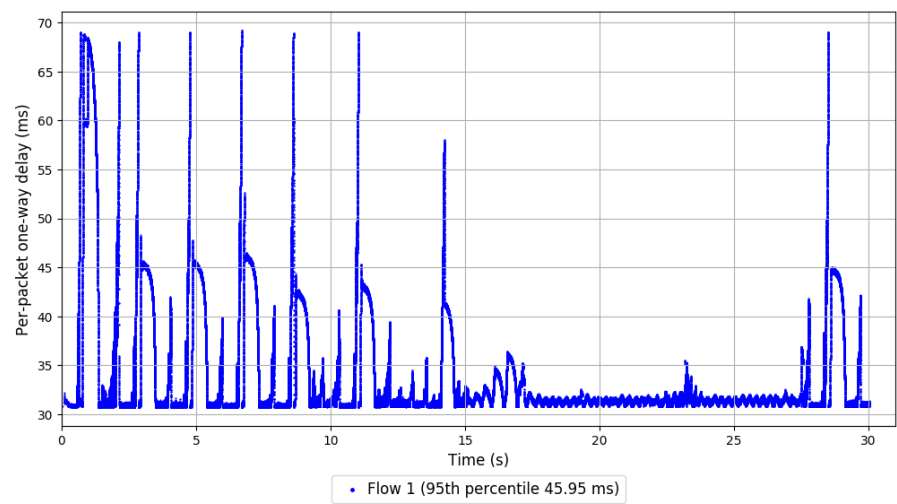
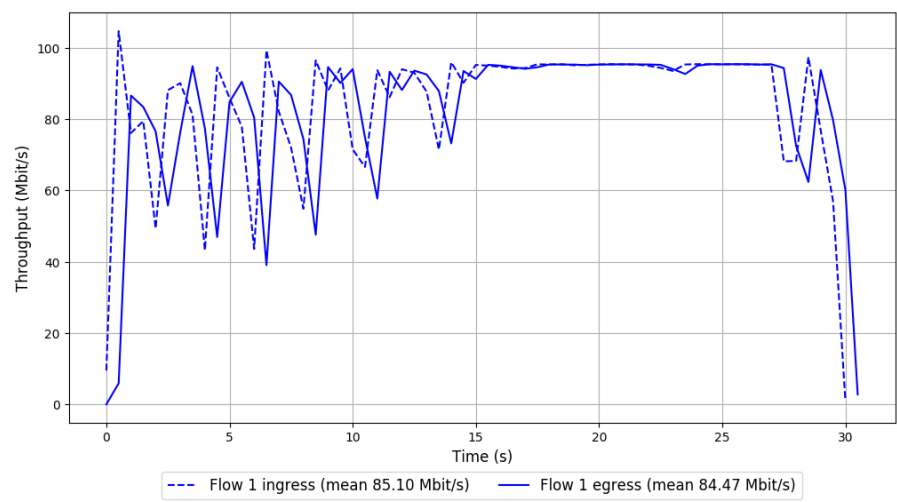
Run 7: Statistics of Copa

Start at: 2018-08-21 21:19:46  
End at: 2018-08-21 21:20:16  
Local clock offset: -0.49 ms  
Remote clock offset: -0.704 ms

# Below is generated by plot.py at 2018-08-21 22:46:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.47 Mbit/s  
95th percentile per-packet one-way delay: 45.950 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 84.47 Mbit/s  
95th percentile per-packet one-way delay: 45.950 ms  
Loss rate: 0.74%



Run 7: Report of Copa — Data Link

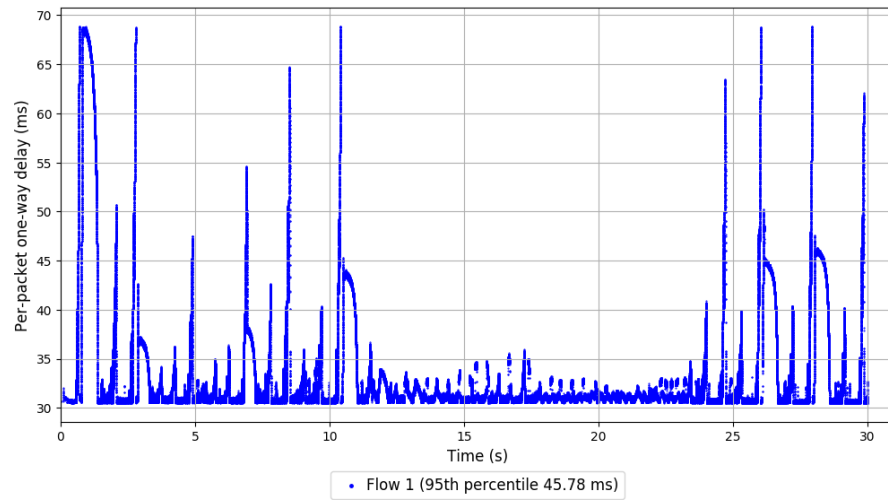
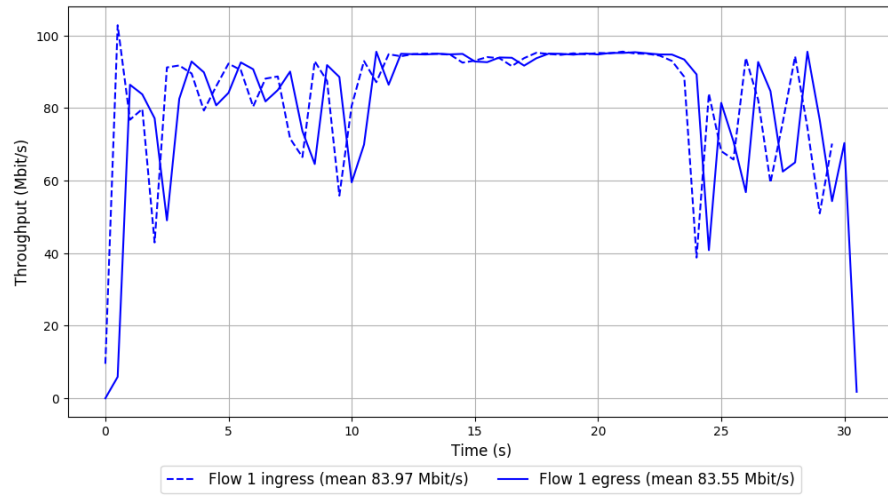


Run 8: Statistics of Copa

Start at: 2018-08-21 21:42:04  
End at: 2018-08-21 21:42:34  
Local clock offset: 0.427 ms  
Remote clock offset: -0.998 ms

# Below is generated by plot.py at 2018-08-21 22:46:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.55 Mbit/s  
95th percentile per-packet one-way delay: 45.780 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 83.55 Mbit/s  
95th percentile per-packet one-way delay: 45.780 ms  
Loss rate: 0.50%

## Run 8: Report of Copa — Data Link

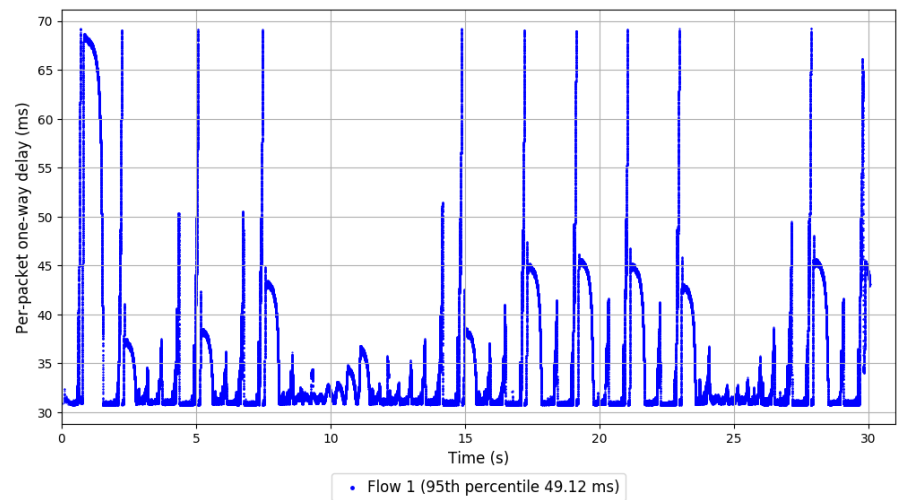
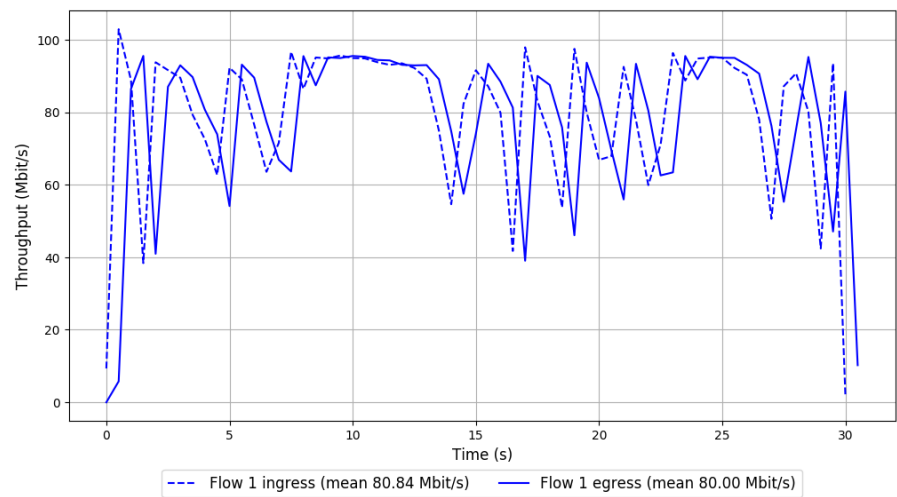


Run 9: Statistics of Copa

Start at: 2018-08-21 22:04:17  
End at: 2018-08-21 22:04:47  
Local clock offset: 0.008 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-08-21 22:46:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.00 Mbit/s  
95th percentile per-packet one-way delay: 49.123 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 80.00 Mbit/s  
95th percentile per-packet one-way delay: 49.123 ms  
Loss rate: 0.99%

Run 9: Report of Copa — Data Link

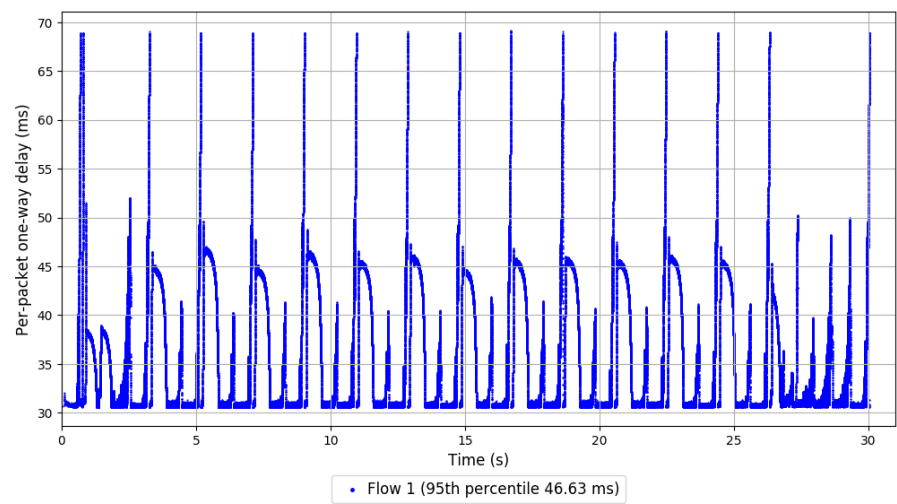
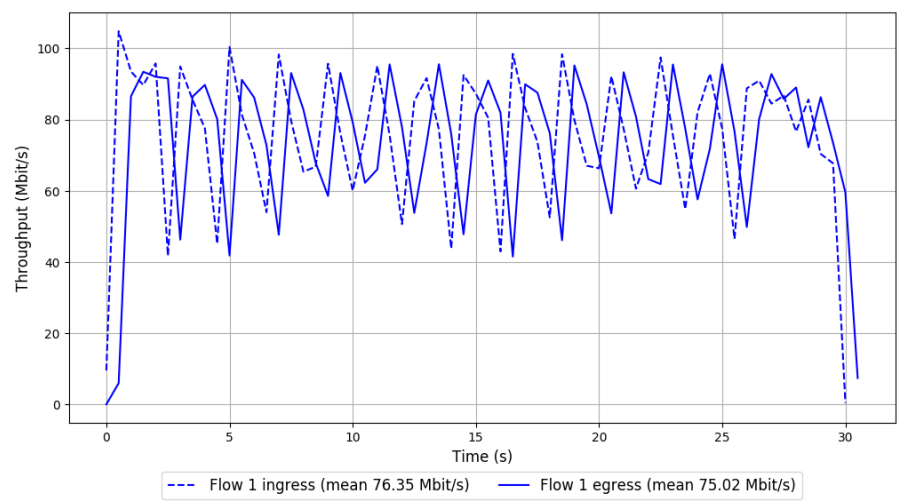


Run 10: Statistics of Copa

Start at: 2018-08-21 22:26:39  
End at: 2018-08-21 22:27:09  
Local clock offset: 0.019 ms  
Remote clock offset: -0.392 ms

# Below is generated by plot.py at 2018-08-21 22:46:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.02 Mbit/s  
95th percentile per-packet one-way delay: 46.628 ms  
Loss rate: 1.75%  
-- Flow 1:  
Average throughput: 75.02 Mbit/s  
95th percentile per-packet one-way delay: 46.628 ms  
Loss rate: 1.75%

Run 10: Report of Copa — Data Link



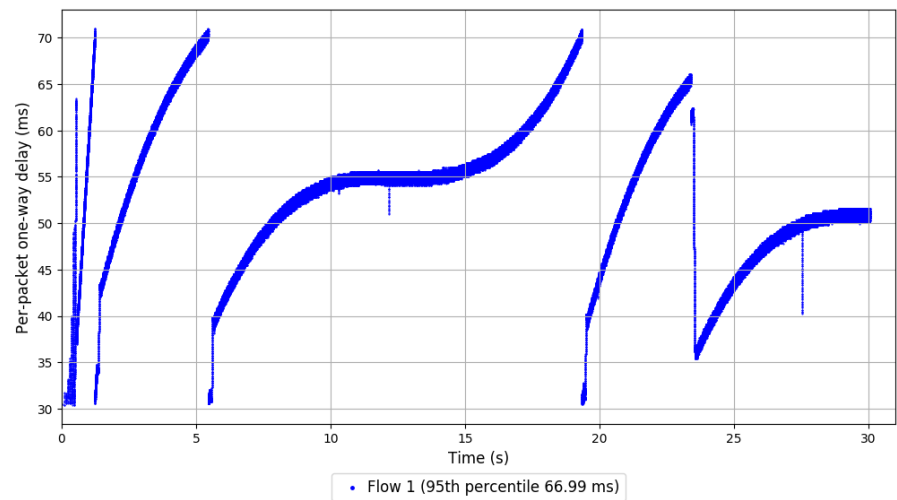
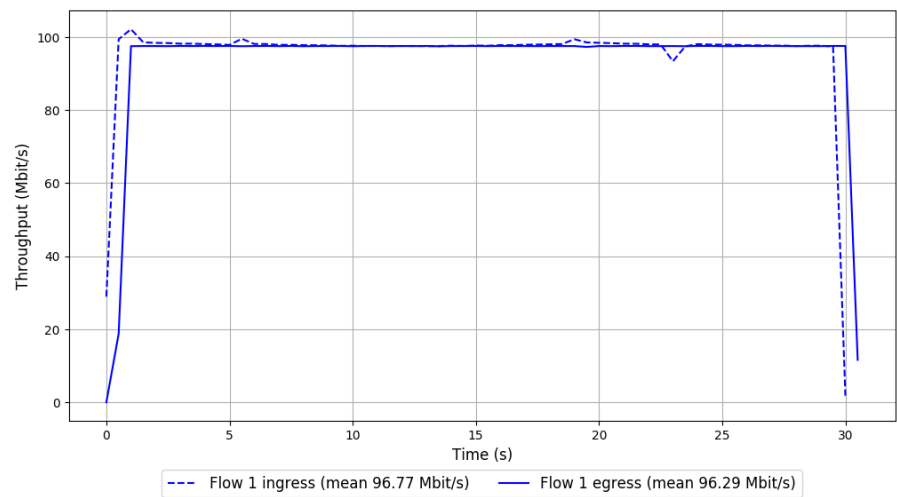
Run 1: Statistics of TCP Cubic

Start at: 2018-08-21 18:57:02  
End at: 2018-08-21 18:57:32  
Local clock offset: -8.149 ms  
Remote clock offset: -1.105 ms

# Below is generated by plot.py at 2018-08-21 22:46:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 66.986 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 66.986 ms  
Loss rate: 0.42%



Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

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

Local clock offset: -4.487 ms

Remote clock offset: -0.83 ms

# Below is generated by plot.py at 2018-08-21 22:46:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 64.058 ms

Loss rate: 0.06%

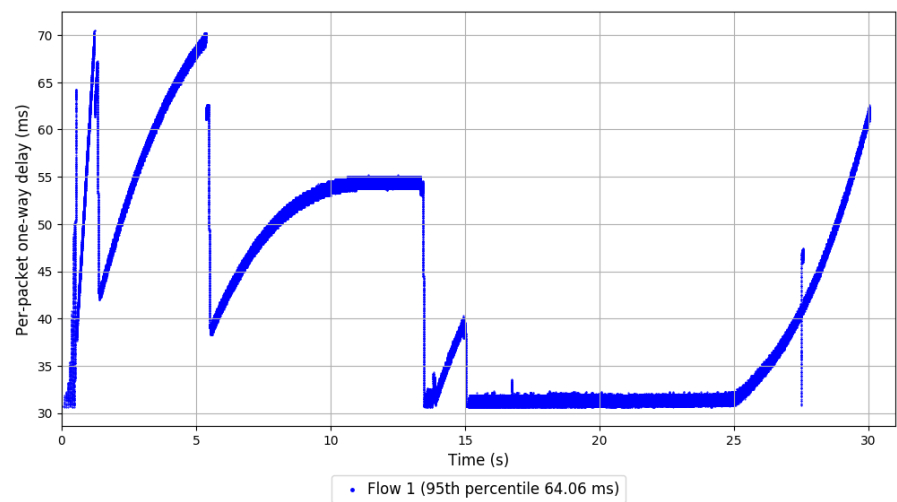
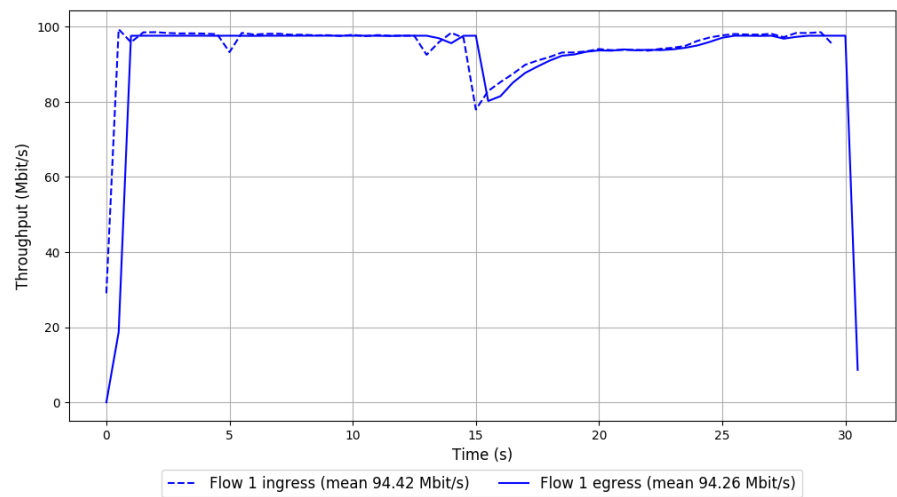
-- Flow 1:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 64.058 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

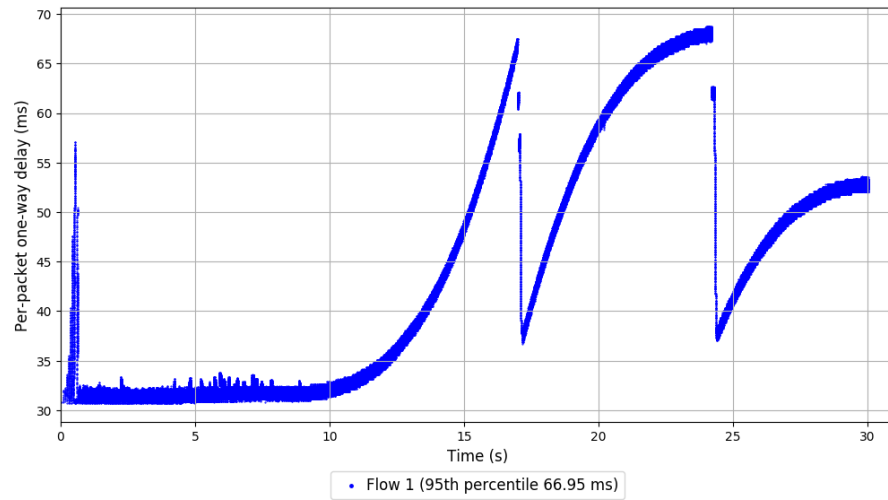
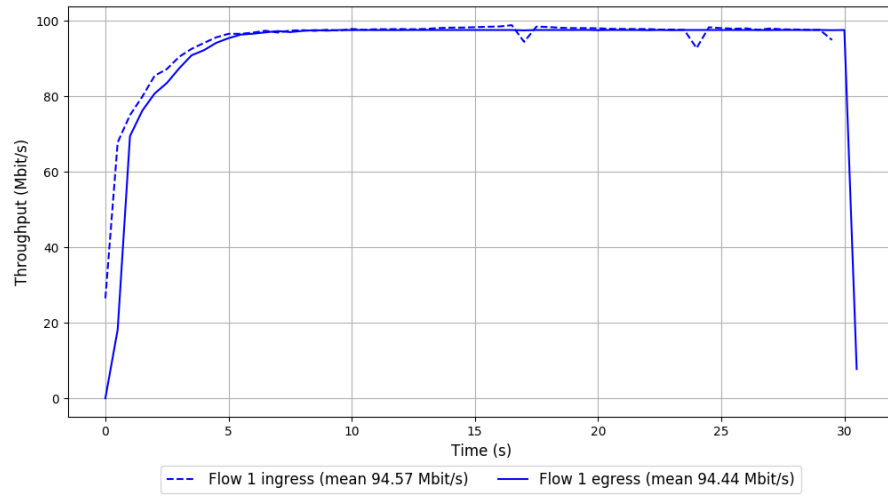


Run 3: Statistics of TCP Cubic

Start at: 2018-08-21 19:41:34  
End at: 2018-08-21 19:42:04  
Local clock offset: -3.737 ms  
Remote clock offset: -0.832 ms

# Below is generated by plot.py at 2018-08-21 22:46:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.44 Mbit/s  
95th percentile per-packet one-way delay: 66.955 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 94.44 Mbit/s  
95th percentile per-packet one-way delay: 66.955 ms  
Loss rate: 0.07%

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

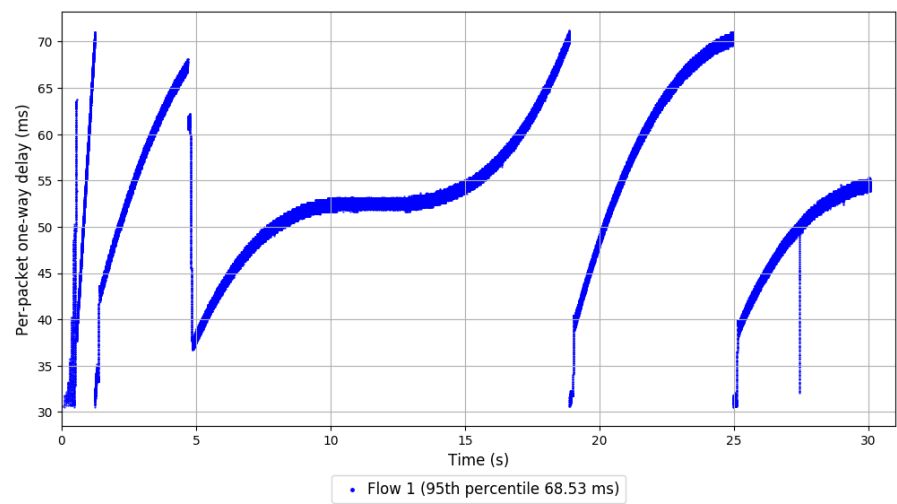
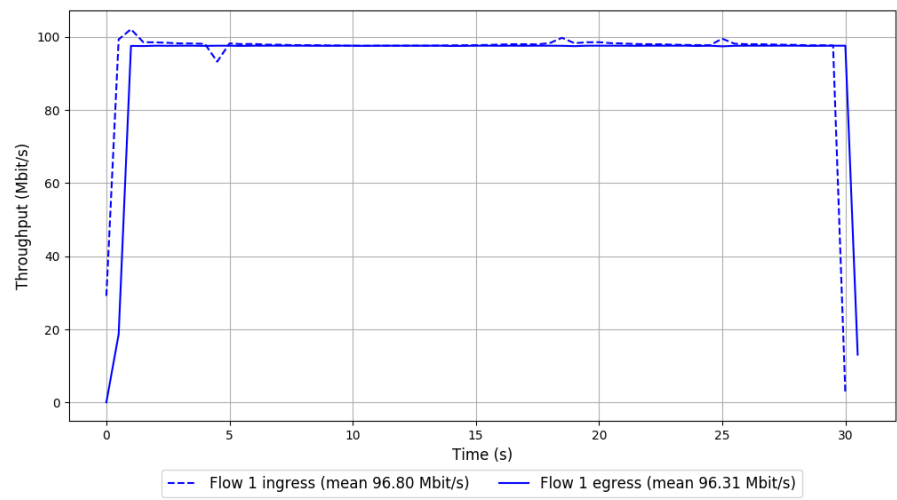


Run 4: Statistics of TCP Cubic

Start at: 2018-08-21 20:03:50  
End at: 2018-08-21 20:04:20  
Local clock offset: -2.791 ms  
Remote clock offset: -0.765 ms

# Below is generated by plot.py at 2018-08-21 22:46:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 68.525 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 68.525 ms  
Loss rate: 0.43%

Run 4: Report of TCP Cubic — Data Link



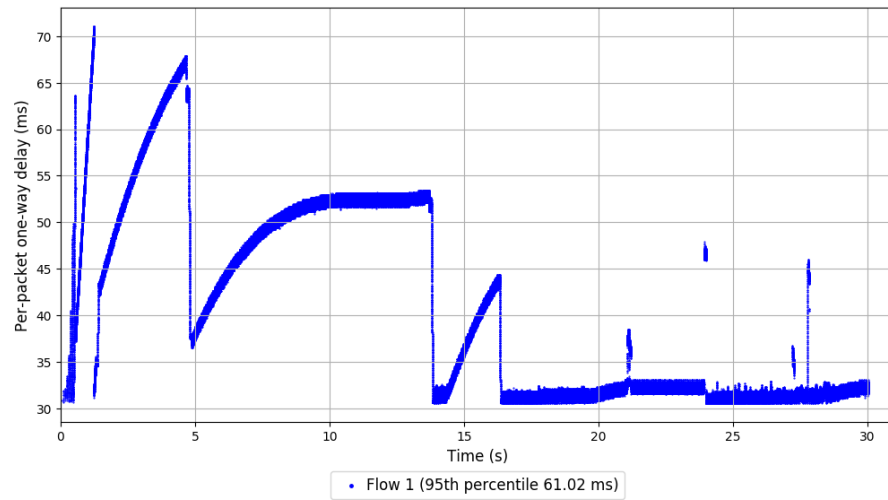
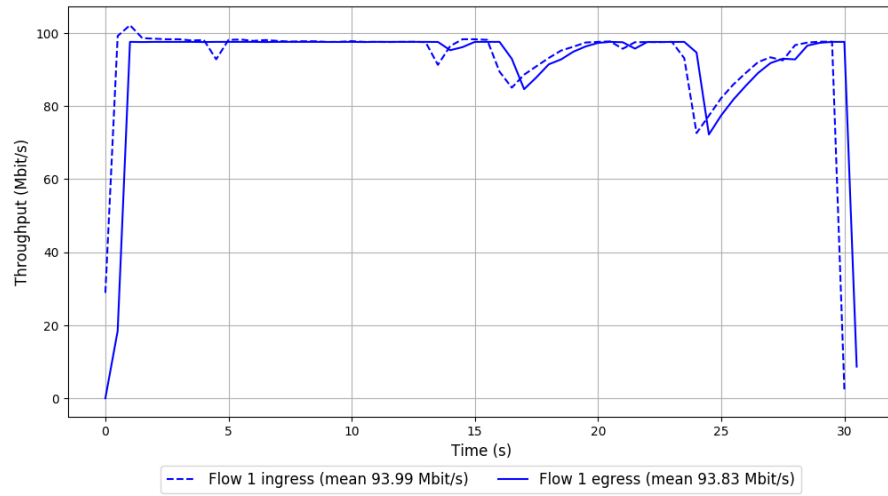
Run 5: Statistics of TCP Cubic

Start at: 2018-08-21 20:26:05  
End at: 2018-08-21 20:26:35  
Local clock offset: -4.501 ms  
Remote clock offset: -0.417 ms

# Below is generated by plot.py at 2018-08-21 22:47:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.83 Mbit/s  
95th percentile per-packet one-way delay: 61.025 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 93.83 Mbit/s  
95th percentile per-packet one-way delay: 61.025 ms  
Loss rate: 0.16%



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

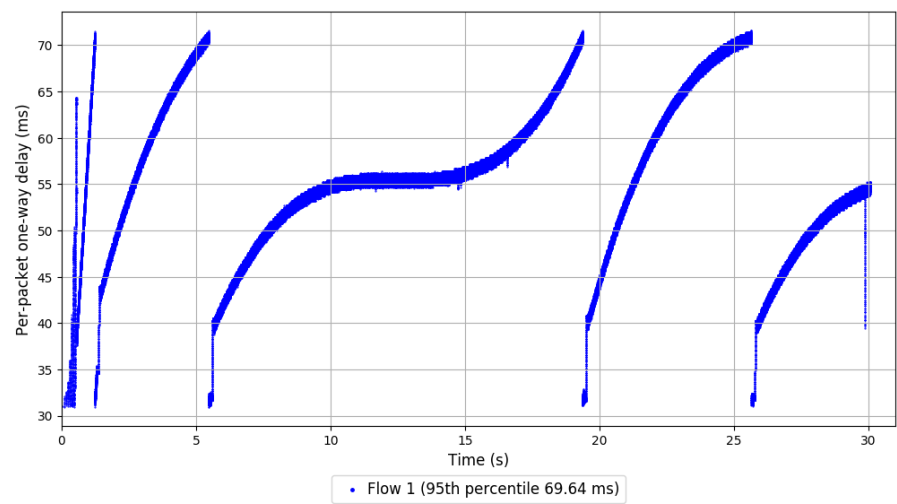
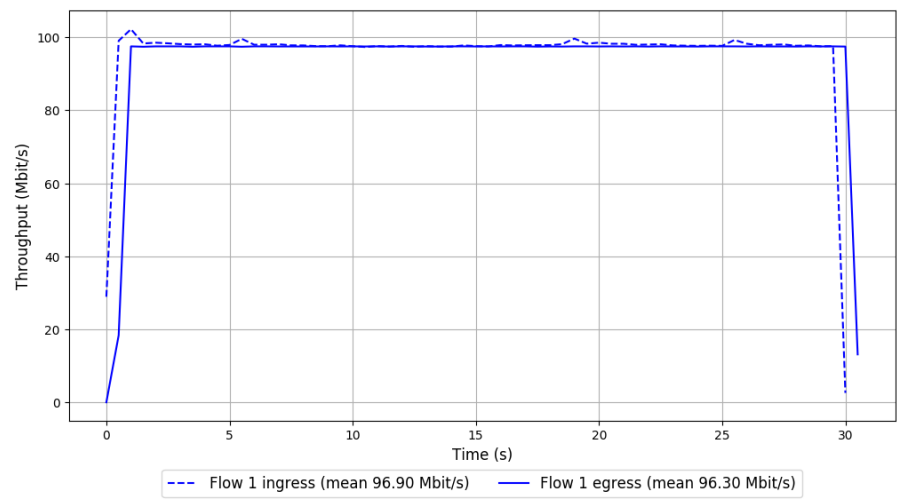


Run 6: Statistics of TCP Cubic

Start at: 2018-08-21 20:48:19  
End at: 2018-08-21 20:48:49  
Local clock offset: -4.015 ms  
Remote clock offset: -0.417 ms

# Below is generated by plot.py at 2018-08-21 22:47:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 69.636 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 69.636 ms  
Loss rate: 0.54%

Run 6: Report of TCP Cubic — Data Link

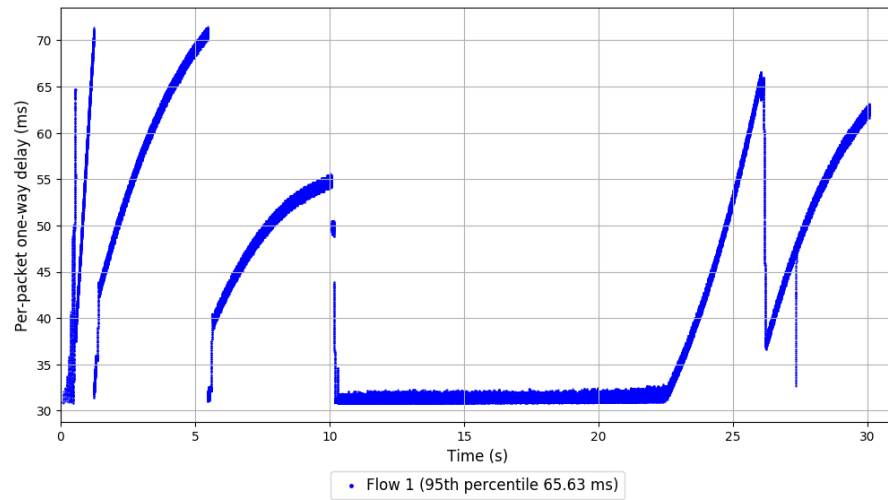
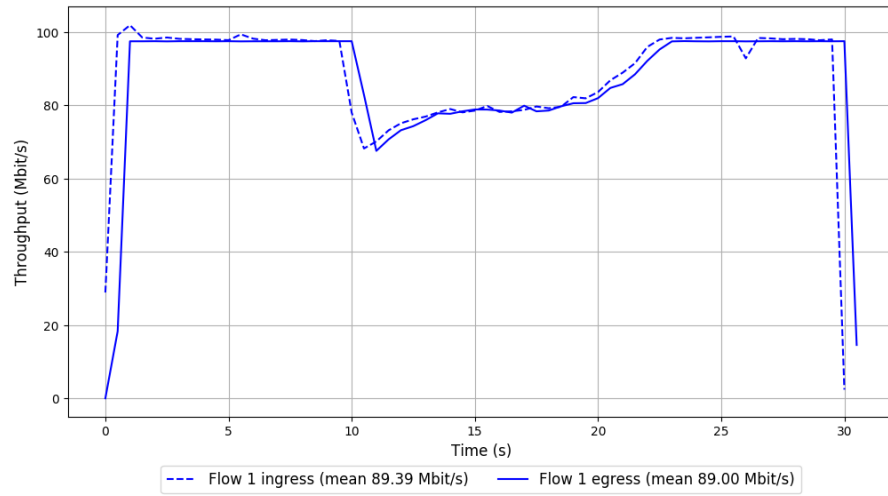


Run 7: Statistics of TCP Cubic

Start at: 2018-08-21 21:10:32  
End at: 2018-08-21 21:11:02  
Local clock offset: -2.657 ms  
Remote clock offset: -0.666 ms

# Below is generated by plot.py at 2018-08-21 22:47:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.00 Mbit/s  
95th percentile per-packet one-way delay: 65.633 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 89.00 Mbit/s  
95th percentile per-packet one-way delay: 65.633 ms  
Loss rate: 0.33%

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

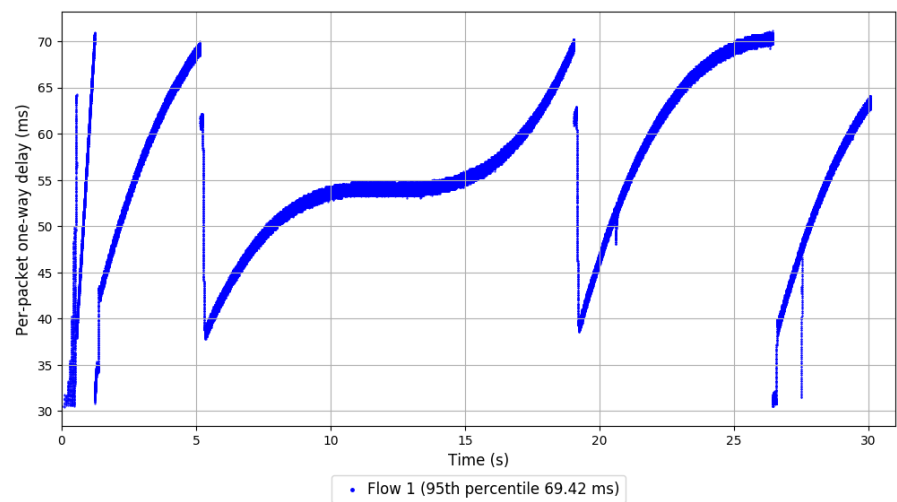
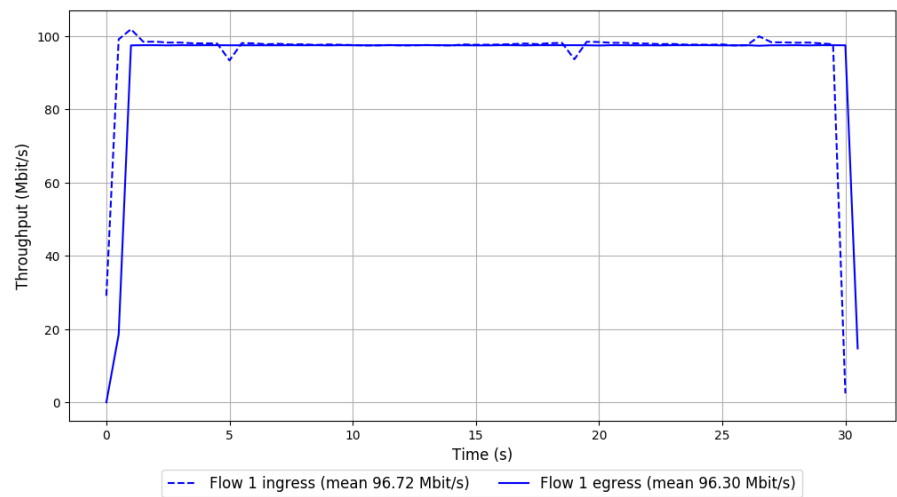


Run 8: Statistics of TCP Cubic

Start at: 2018-08-21 21:32:49  
End at: 2018-08-21 21:33:19  
Local clock offset: 0.613 ms  
Remote clock offset: -1.073 ms

# Below is generated by plot.py at 2018-08-21 22:47:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 69.424 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 69.424 ms  
Loss rate: 0.33%

Run 8: Report of TCP Cubic — Data Link



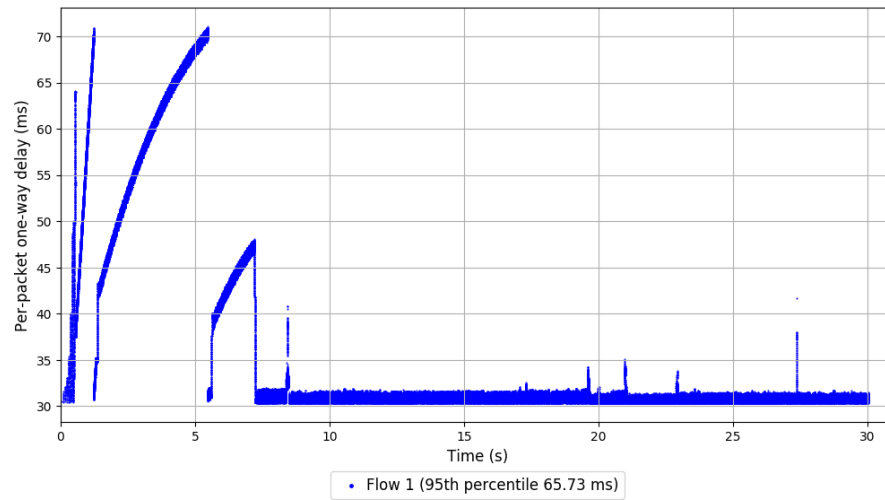
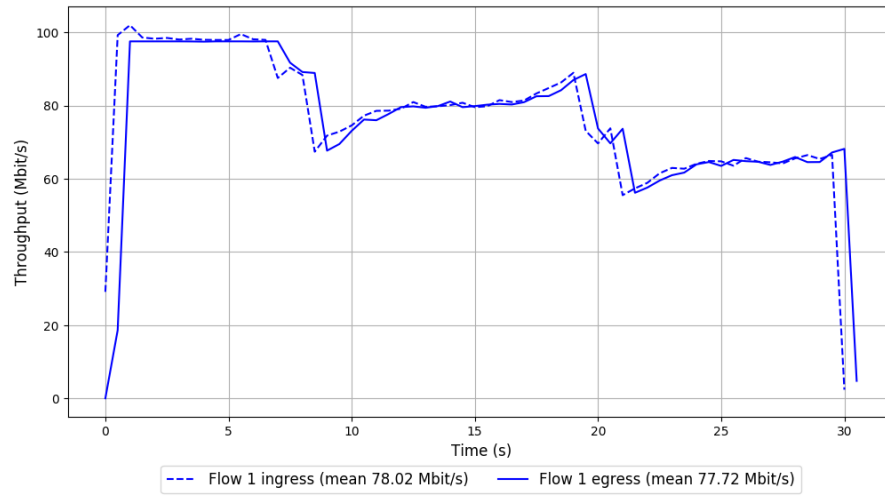
Run 9: Statistics of TCP Cubic

Start at: 2018-08-21 21:55:05  
End at: 2018-08-21 21:55:35  
Local clock offset: 0.239 ms  
Remote clock offset: -0.632 ms

# Below is generated by plot.py at 2018-08-21 22:47:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.72 Mbit/s  
95th percentile per-packet one-way delay: 65.730 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 77.72 Mbit/s  
95th percentile per-packet one-way delay: 65.730 ms  
Loss rate: 0.39%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-08-21 22:17:27

End at: 2018-08-21 22:17:57

Local clock offset: 0.033 ms

Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2018-08-21 22:47:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 67.237 ms

Loss rate: 0.44%

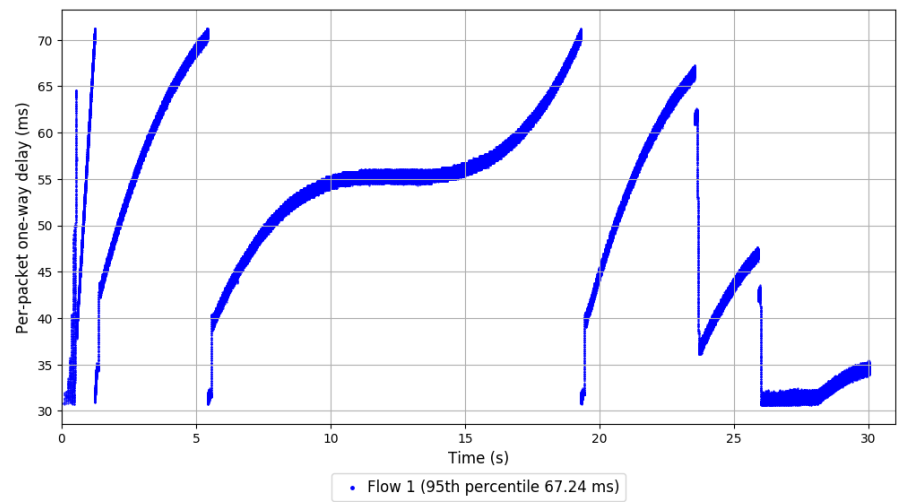
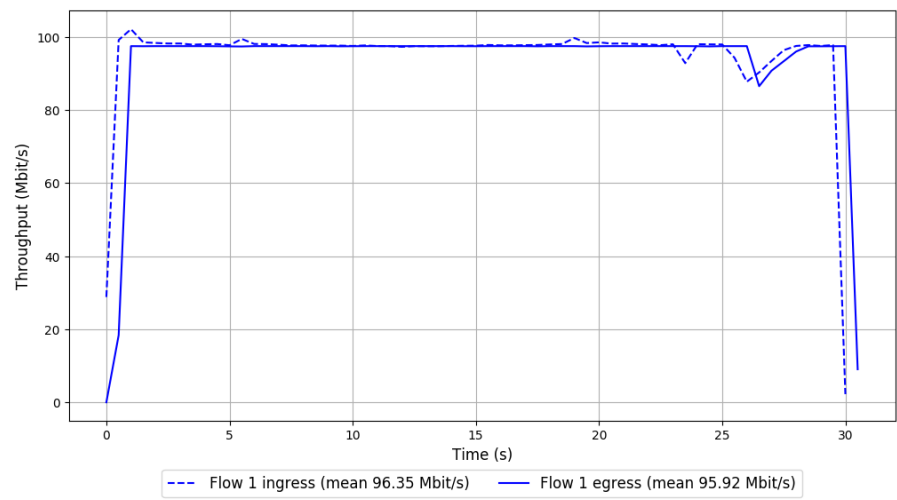
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 67.237 ms

Loss rate: 0.44%

Run 10: Report of TCP Cubic — Data Link

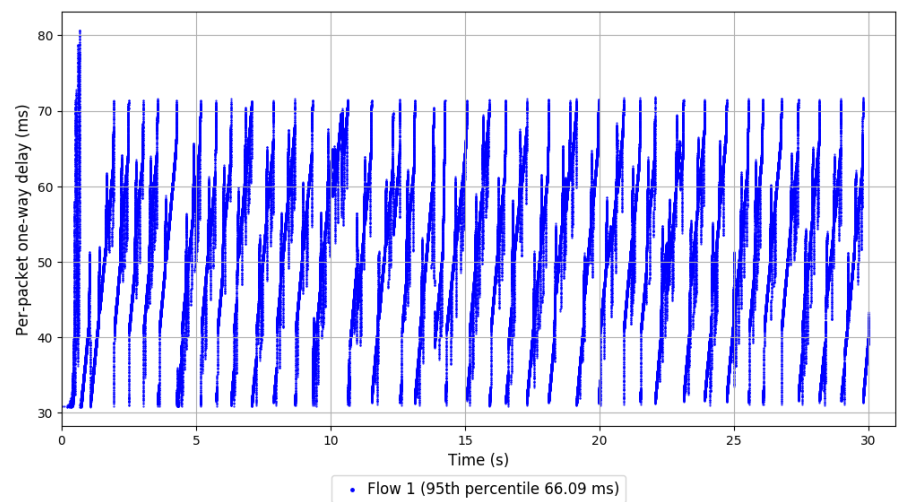
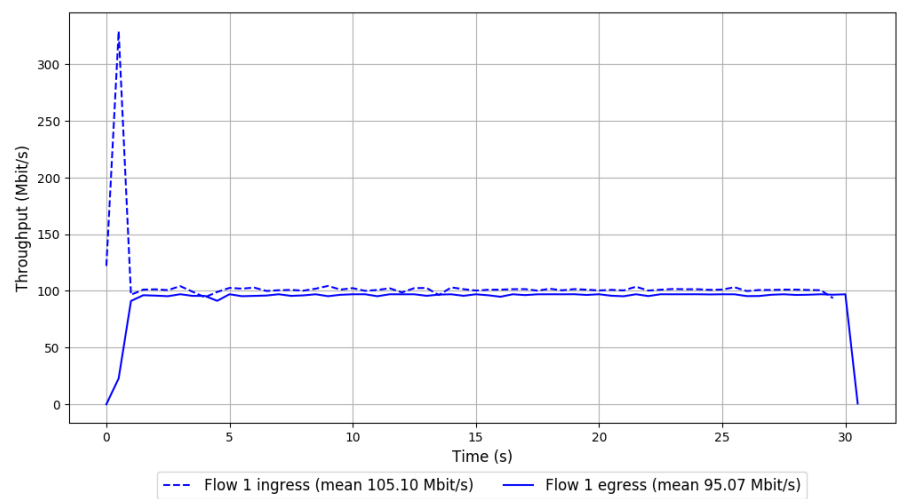


Run 1: Statistics of FillP

Start at: 2018-08-21 19:10:04  
End at: 2018-08-21 19:10:34  
Local clock offset: -7.892 ms  
Remote clock offset: -1.067 ms

# Below is generated by plot.py at 2018-08-21 22:48:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.07 Mbit/s  
95th percentile per-packet one-way delay: 66.093 ms  
Loss rate: 9.50%  
-- Flow 1:  
Average throughput: 95.07 Mbit/s  
95th percentile per-packet one-way delay: 66.093 ms  
Loss rate: 9.50%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-21 19:32:23

End at: 2018-08-21 19:32:53

Local clock offset: -4.938 ms

Remote clock offset: -0.62 ms

# Below is generated by plot.py at 2018-08-21 22:48:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 66.483 ms

Loss rate: 4.74%

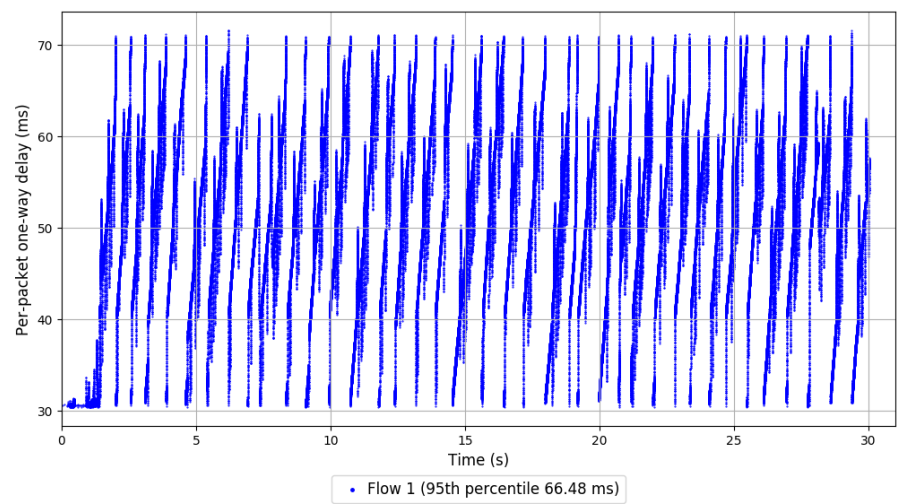
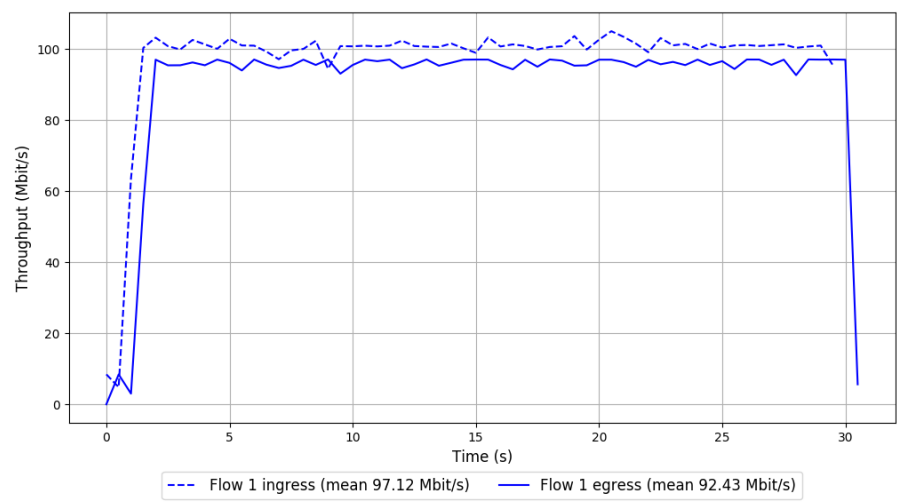
-- Flow 1:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 66.483 ms

Loss rate: 4.74%

Run 2: Report of FillP — Data Link



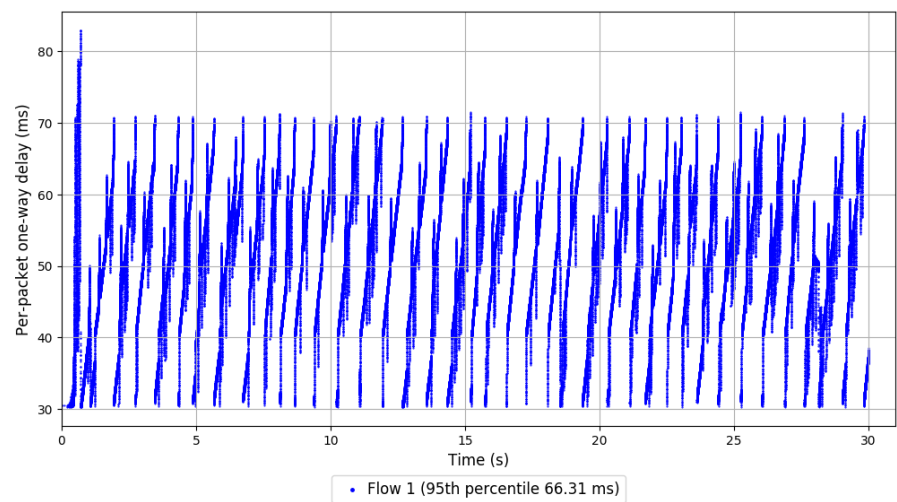
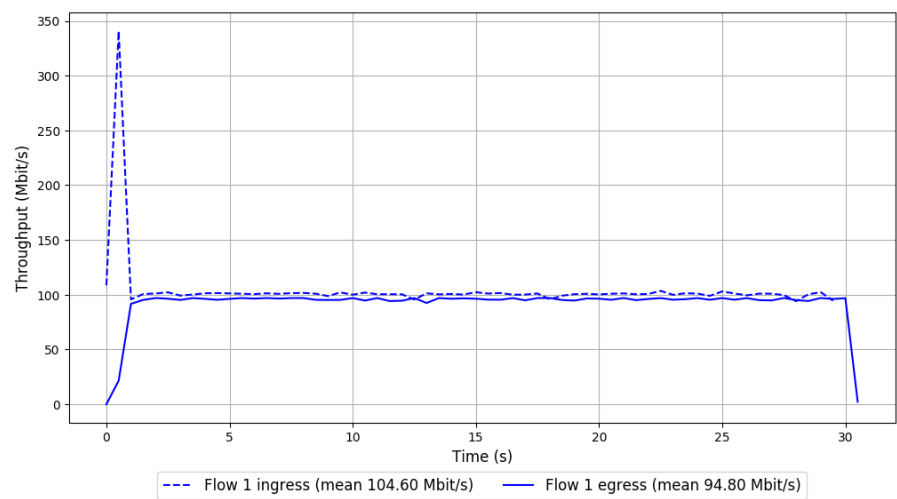
Run 3: Statistics of FillP

Start at: 2018-08-21 19:54:42  
End at: 2018-08-21 19:55:12  
Local clock offset: -2.322 ms  
Remote clock offset: -0.925 ms

# Below is generated by plot.py at 2018-08-21 22:48:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.80 Mbit/s  
95th percentile per-packet one-way delay: 66.309 ms  
Loss rate: 9.35%  
-- Flow 1:  
Average throughput: 94.80 Mbit/s  
95th percentile per-packet one-way delay: 66.309 ms  
Loss rate: 9.35%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-21 20:16:58

End at: 2018-08-21 20:17:28

Local clock offset: -3.689 ms

Remote clock offset: -0.39 ms

# Below is generated by plot.py at 2018-08-21 22:48:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 67.199 ms

Loss rate: 10.69%

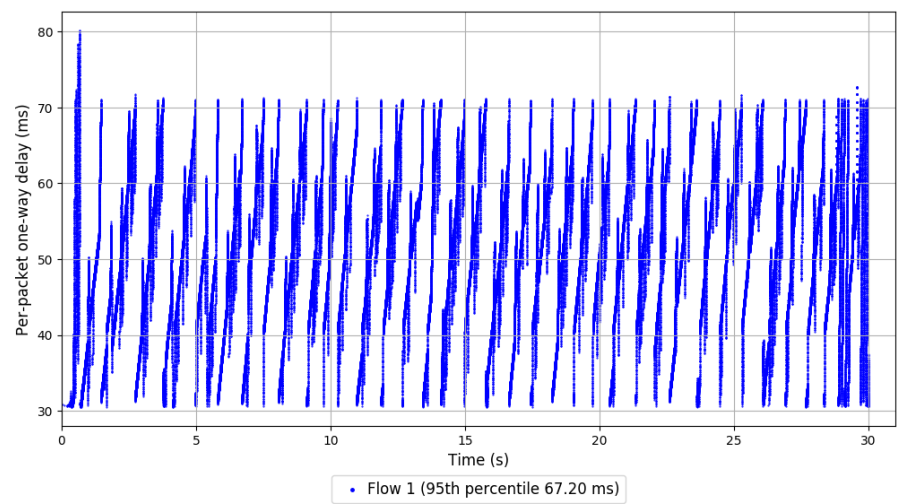
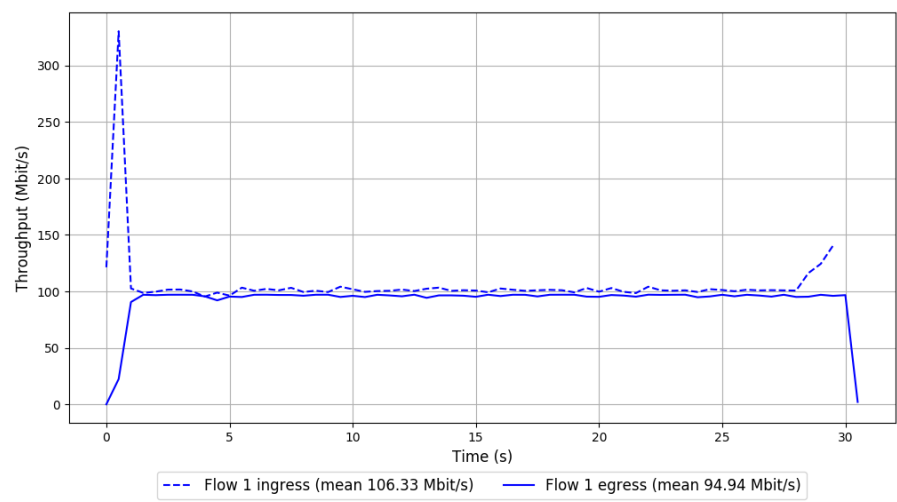
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 67.199 ms

Loss rate: 10.69%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-21 20:39:12

End at: 2018-08-21 20:39:42

Local clock offset: -5.096 ms

Remote clock offset: -0.24 ms

# Below is generated by plot.py at 2018-08-21 22:48:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 66.514 ms

Loss rate: 9.60%

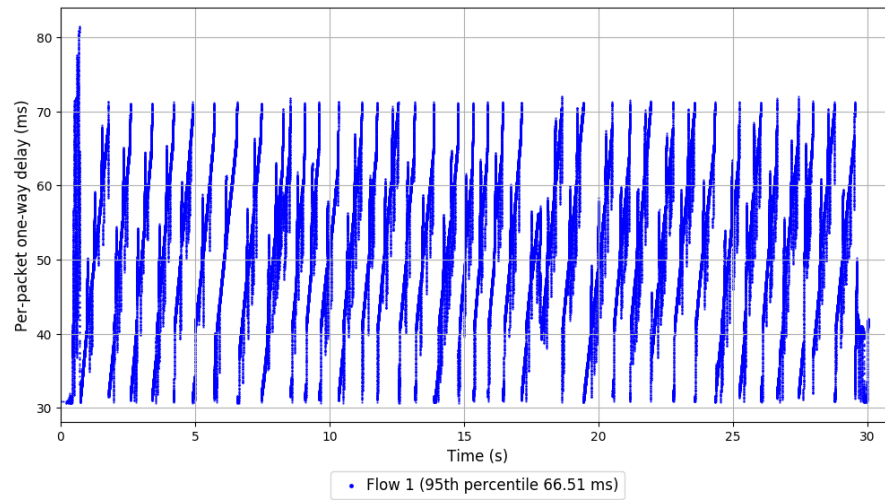
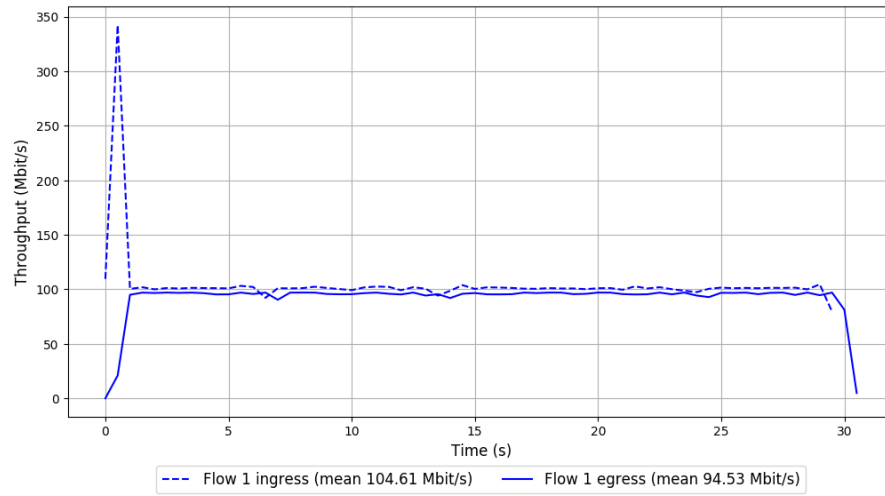
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 66.514 ms

Loss rate: 9.60%

### Run 5: Report of FillP — Data Link

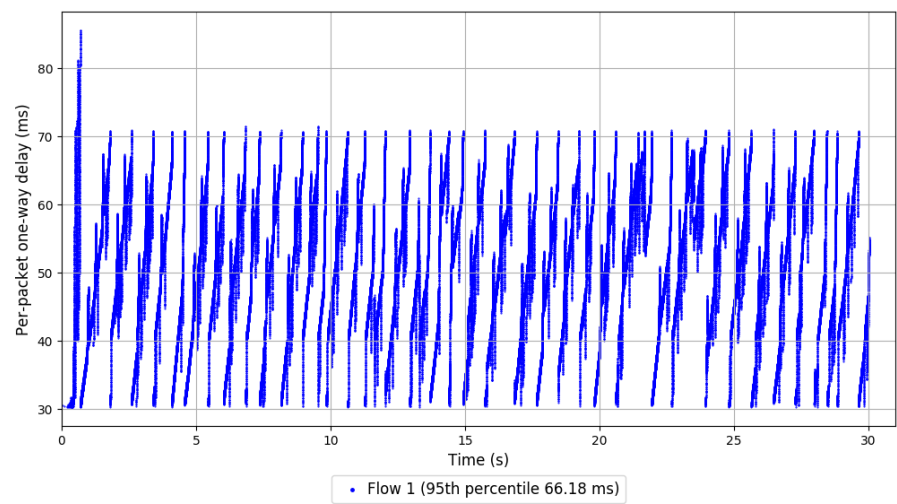
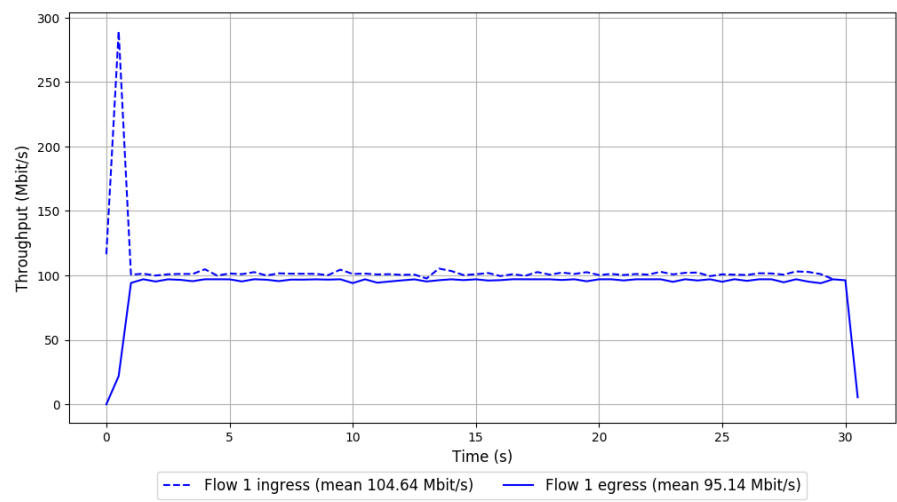


Run 6: Statistics of FillP

Start at: 2018-08-21 21:01:24  
End at: 2018-08-21 21:01:54  
Local clock offset: -3.925 ms  
Remote clock offset: -0.828 ms

# Below is generated by plot.py at 2018-08-21 22:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.14 Mbit/s  
95th percentile per-packet one-way delay: 66.183 ms  
Loss rate: 9.01%  
-- Flow 1:  
Average throughput: 95.14 Mbit/s  
95th percentile per-packet one-way delay: 66.183 ms  
Loss rate: 9.01%

Run 6: Report of FillP — Data Link



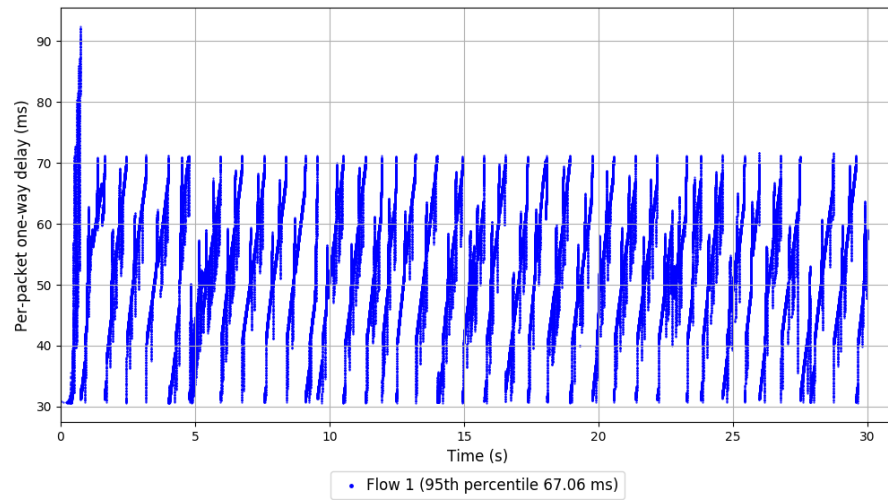
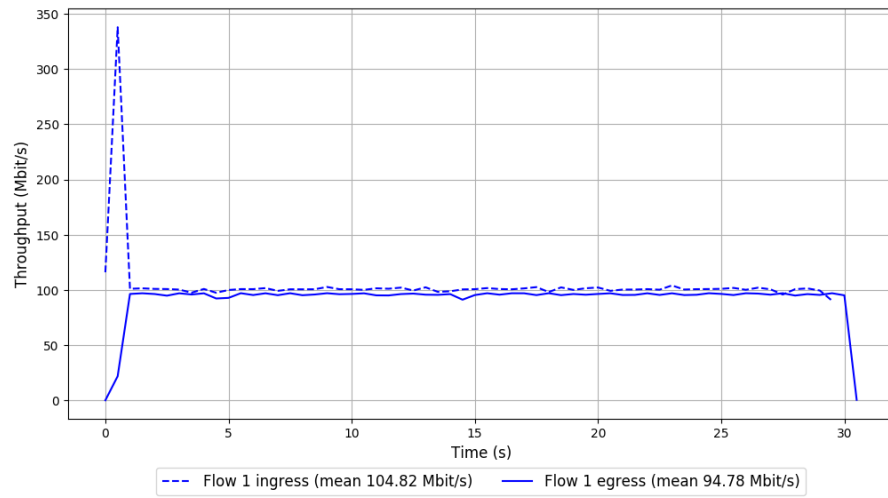
Run 7: Statistics of FillP

Start at: 2018-08-21 21:23:42  
End at: 2018-08-21 21:24:12  
Local clock offset: 0.016 ms  
Remote clock offset: -0.806 ms

# Below is generated by plot.py at 2018-08-21 22:48:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.78 Mbit/s  
95th percentile per-packet one-way delay: 67.060 ms  
Loss rate: 9.49%  
-- Flow 1:  
Average throughput: 94.78 Mbit/s  
95th percentile per-packet one-way delay: 67.060 ms  
Loss rate: 9.49%



## Run 7: Report of FillP — Data Link

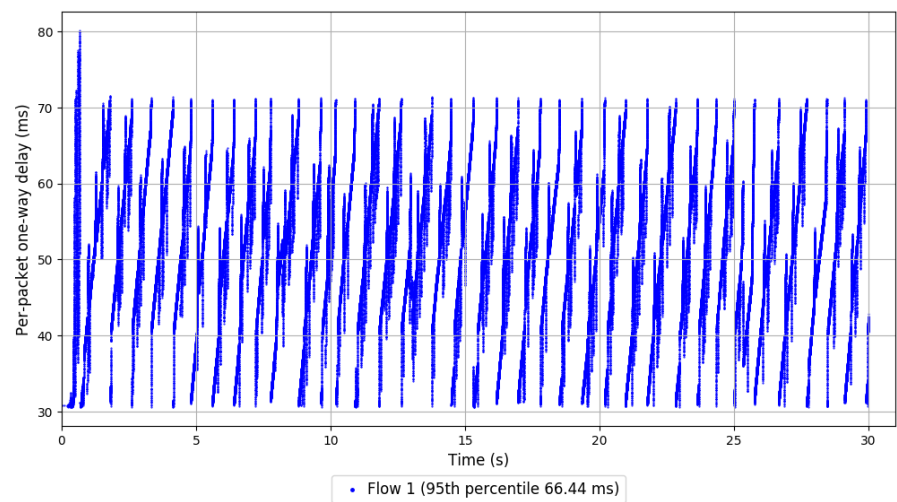
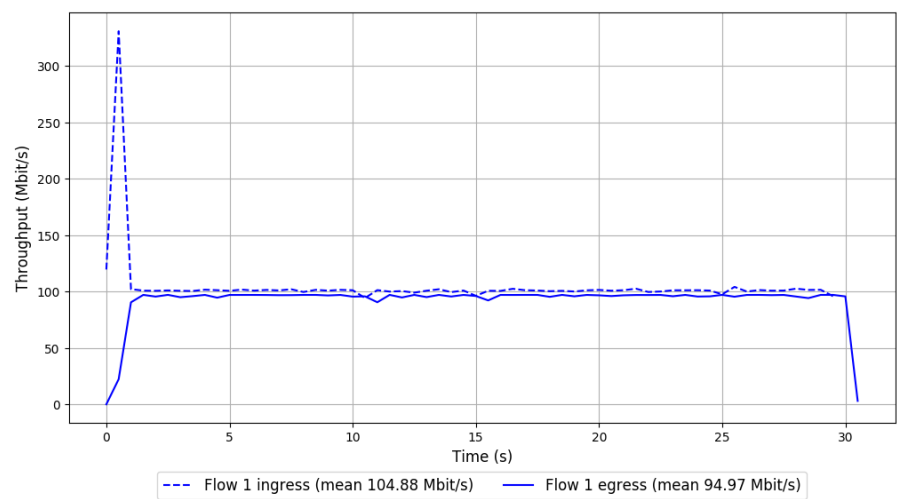


Run 8: Statistics of FillP

Start at: 2018-08-21 21:45:59  
End at: 2018-08-21 21:46:29  
Local clock offset: 0.401 ms  
Remote clock offset: -0.693 ms

# Below is generated by plot.py at 2018-08-21 22:49:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.97 Mbit/s  
95th percentile per-packet one-way delay: 66.445 ms  
Loss rate: 9.41%  
-- Flow 1:  
Average throughput: 94.97 Mbit/s  
95th percentile per-packet one-way delay: 66.445 ms  
Loss rate: 9.41%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

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

End at: 2018-08-21 22:08:42

Local clock offset: 0.006 ms

Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2018-08-21 22:49:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 66.489 ms

Loss rate: 9.54%

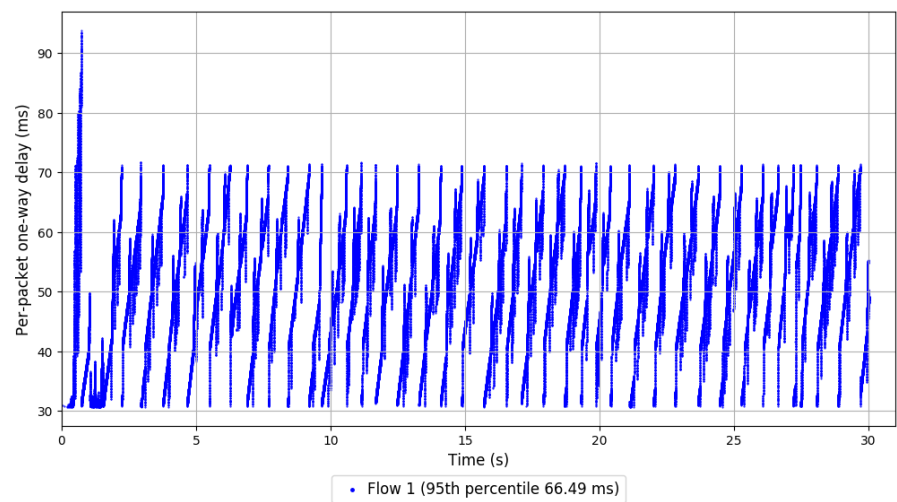
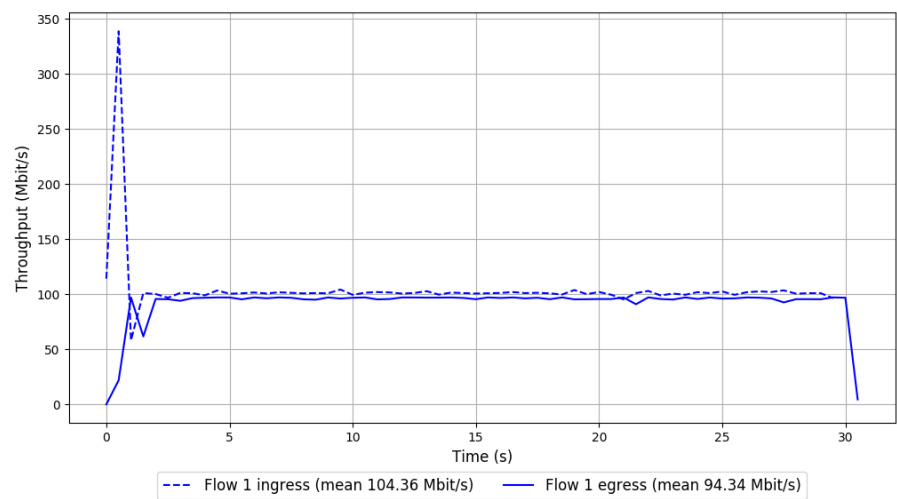
-- Flow 1:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 66.489 ms

Loss rate: 9.54%

Run 9: Report of FillP — Data Link

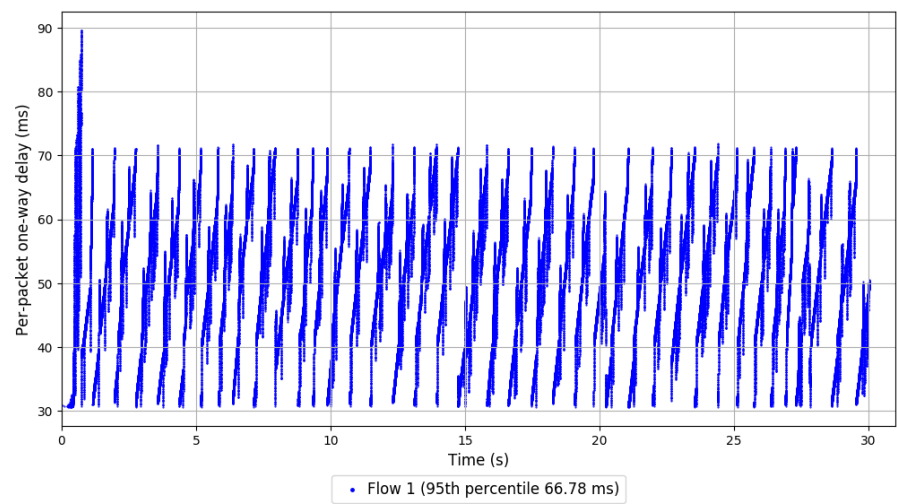
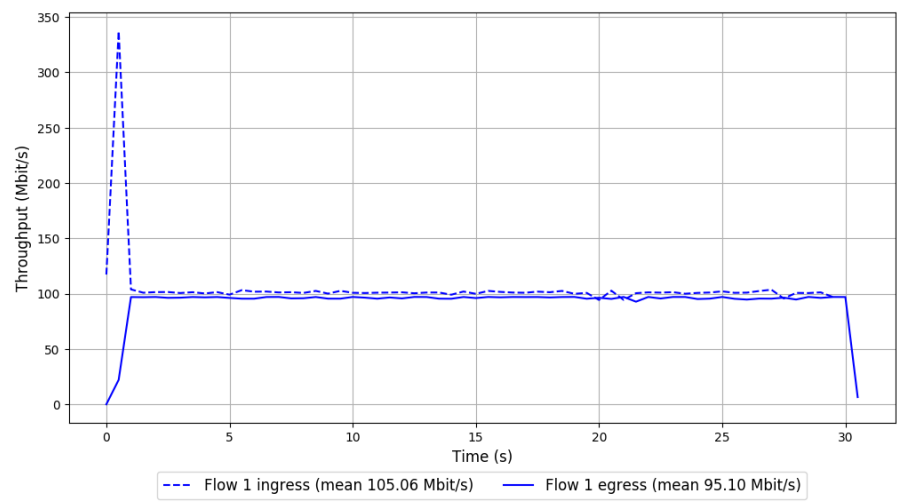


Run 10: Statistics of FillP

Start at: 2018-08-21 22:30:35  
End at: 2018-08-21 22:31:05  
Local clock offset: 0.042 ms  
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2018-08-21 22:49:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.10 Mbit/s  
95th percentile per-packet one-way delay: 66.776 ms  
Loss rate: 9.41%  
-- Flow 1:  
Average throughput: 95.10 Mbit/s  
95th percentile per-packet one-way delay: 66.776 ms  
Loss rate: 9.41%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-21 19:03:34

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

Local clock offset: -9.304 ms

Remote clock offset: -0.89 ms

# Below is generated by plot.py at 2018-08-21 22:50:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 47.510 ms

Loss rate: 1.20%

-- Flow 1:

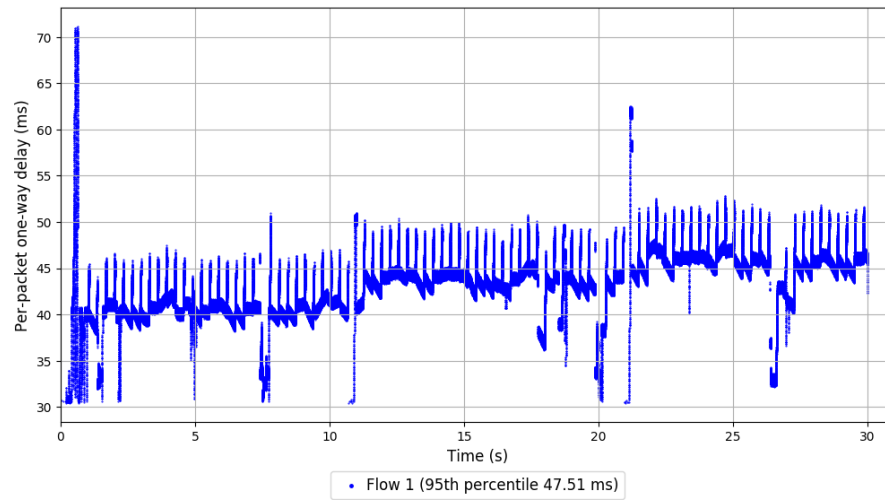
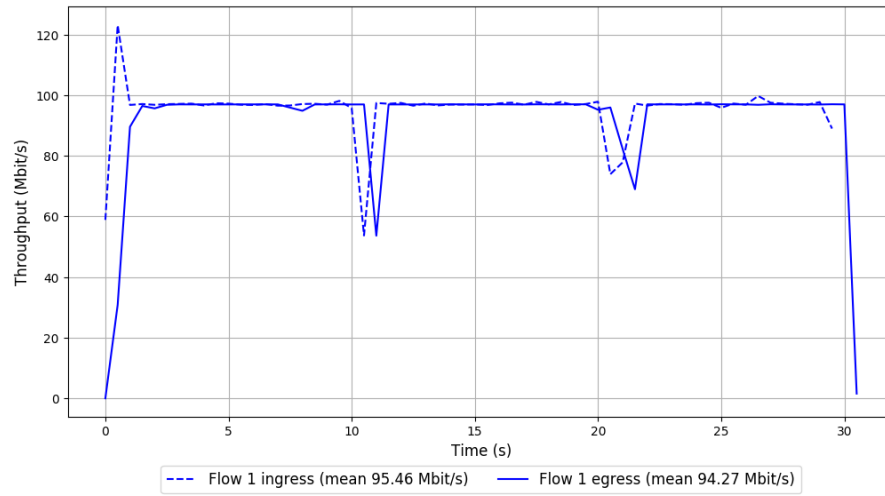
Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 47.510 ms

Loss rate: 1.20%



# Run 1: Report of FillP-Sheep — Data Link

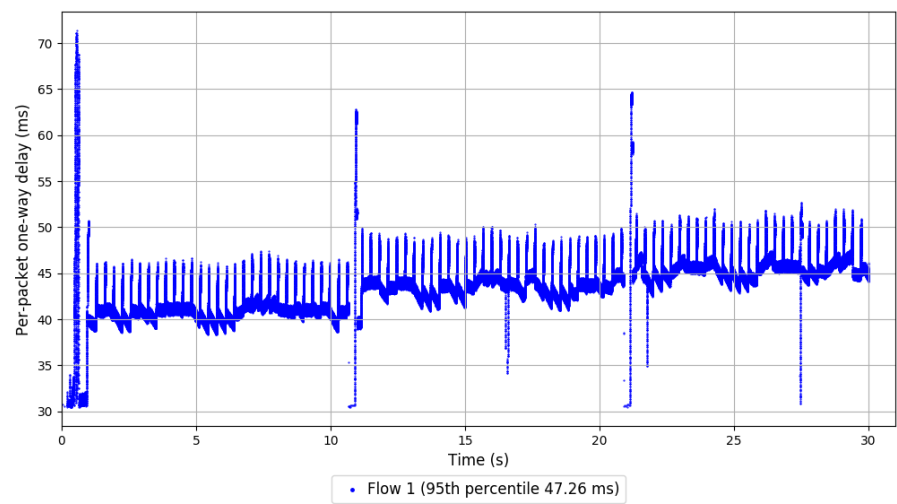
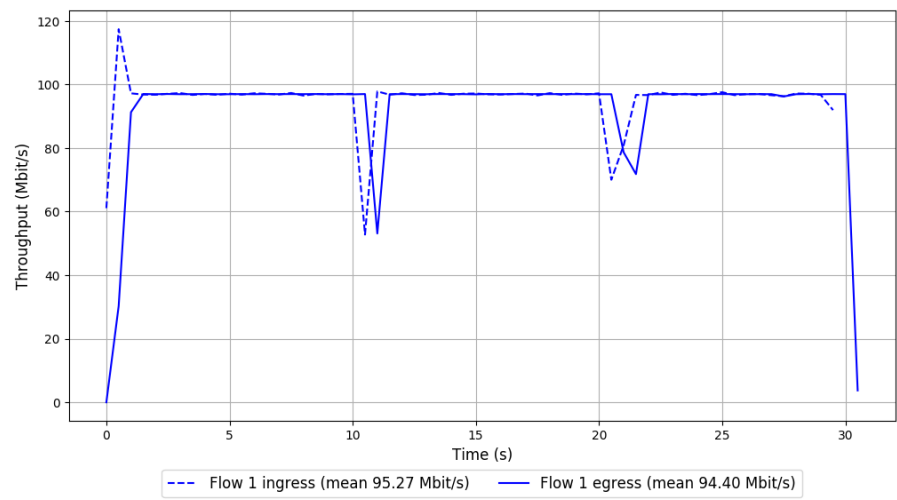


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-21 19:25:51  
End at: 2018-08-21 19:26:21  
Local clock offset: -4.337 ms  
Remote clock offset: -0.729 ms

# Below is generated by plot.py at 2018-08-21 22:50:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.40 Mbit/s  
95th percentile per-packet one-way delay: 47.262 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 94.40 Mbit/s  
95th percentile per-packet one-way delay: 47.262 ms  
Loss rate: 0.86%

Run 2: Report of FillP-Sheep — Data Link

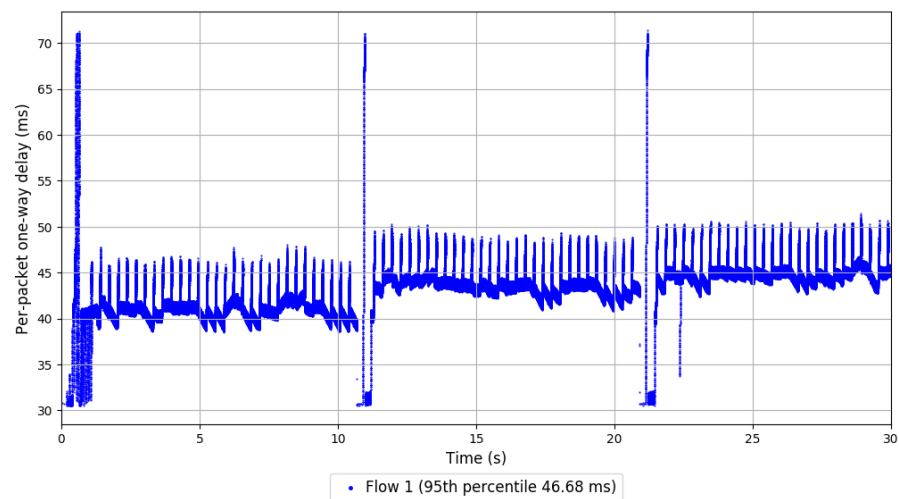
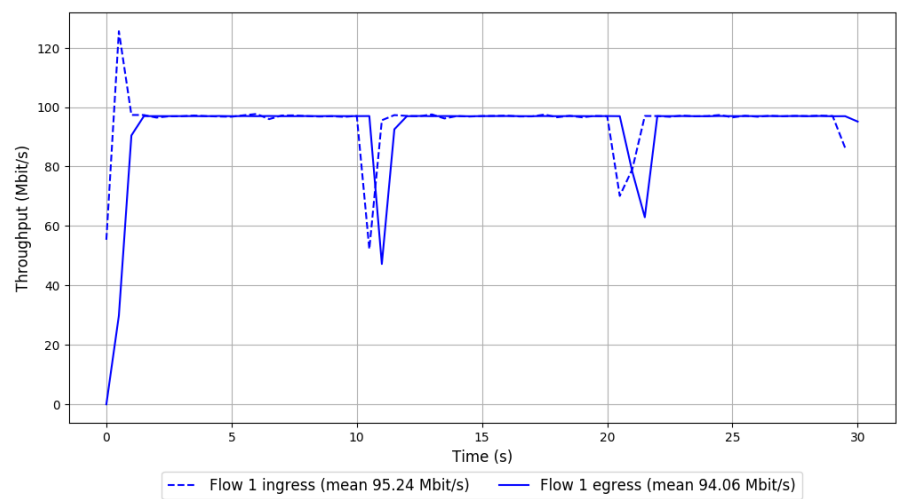


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-21 19:48:10  
End at: 2018-08-21 19:48:40  
Local clock offset: -2.506 ms  
Remote clock offset: -0.783 ms

# Below is generated by plot.py at 2018-08-21 22:50:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.06 Mbit/s  
95th percentile per-packet one-way delay: 46.679 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 94.06 Mbit/s  
95th percentile per-packet one-way delay: 46.679 ms  
Loss rate: 1.19%

Run 3: Report of FillP-Sheep — Data Link

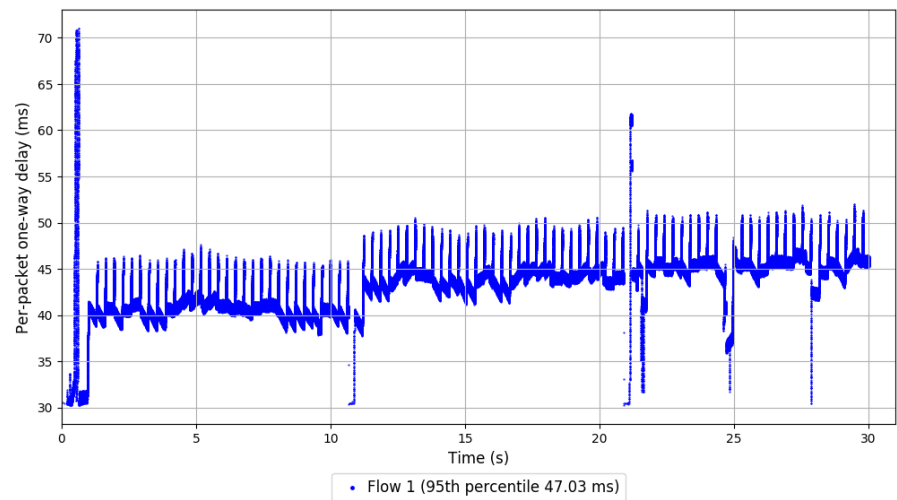
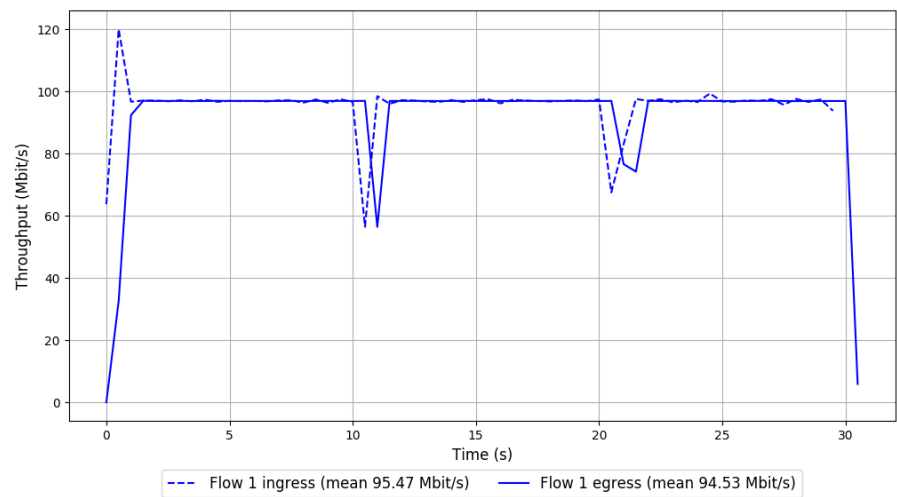


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-21 20:10:26  
End at: 2018-08-21 20:10:56  
Local clock offset: -3.258 ms  
Remote clock offset: -0.764 ms

# Below is generated by plot.py at 2018-08-21 22:50:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.53 Mbit/s  
95th percentile per-packet one-way delay: 47.028 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 94.53 Mbit/s  
95th percentile per-packet one-way delay: 47.028 ms  
Loss rate: 0.94%

Run 4: Report of FillP-Sheep — Data Link



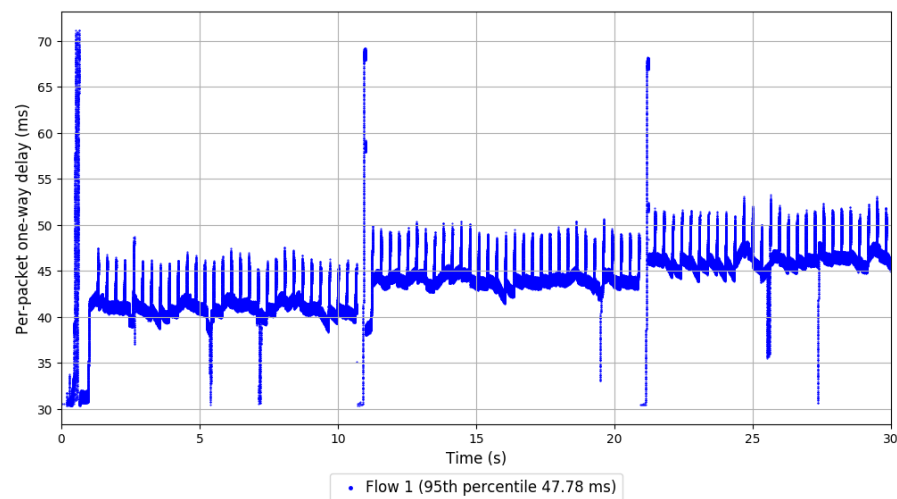
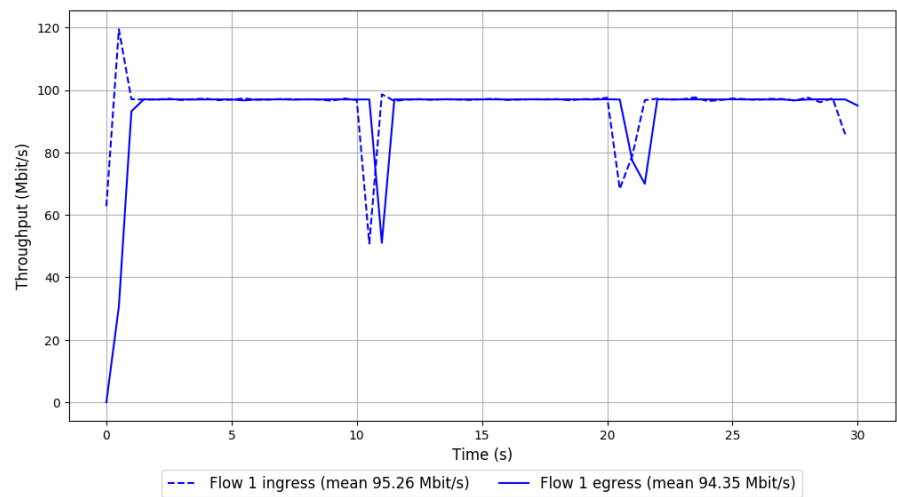
Run 5: Statistics of FillP-Sheep

Start at: 2018-08-21 20:32:41  
End at: 2018-08-21 20:33:11  
Local clock offset: -5.118 ms  
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2018-08-21 22:50:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.35 Mbit/s  
95th percentile per-packet one-way delay: 47.779 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 94.35 Mbit/s  
95th percentile per-packet one-way delay: 47.779 ms  
Loss rate: 0.90%



Run 5: Report of FillP-Sheep — Data Link

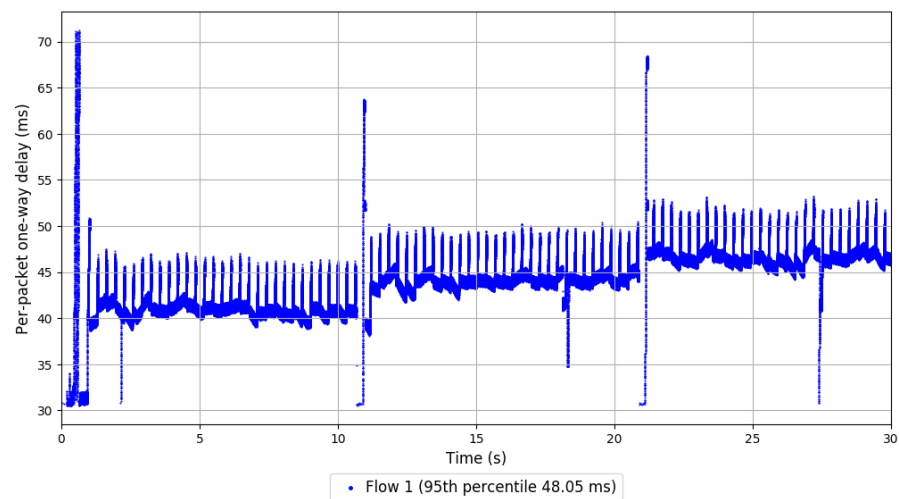
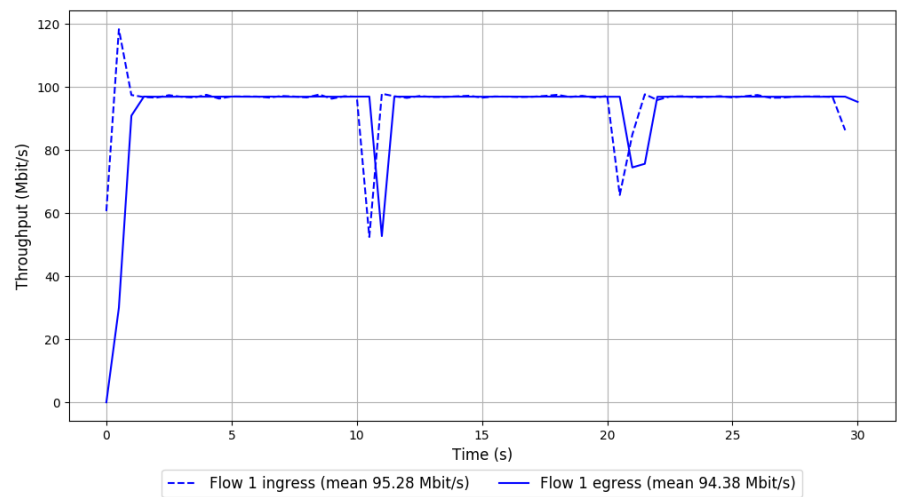


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-21 20:54:53  
End at: 2018-08-21 20:55:23  
Local clock offset: -3.824 ms  
Remote clock offset: -0.604 ms

# Below is generated by plot.py at 2018-08-21 22:50:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.38 Mbit/s  
95th percentile per-packet one-way delay: 48.051 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 94.38 Mbit/s  
95th percentile per-packet one-way delay: 48.051 ms  
Loss rate: 0.90%

Run 6: Report of FillP-Sheep — Data Link

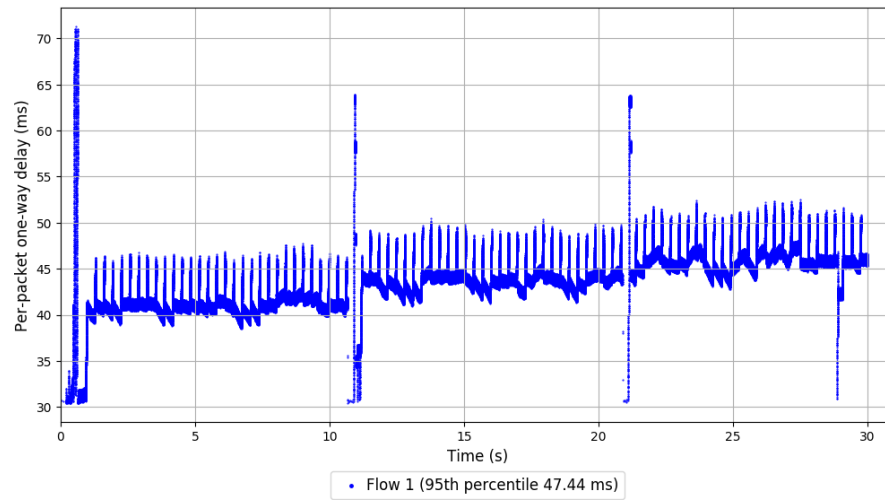
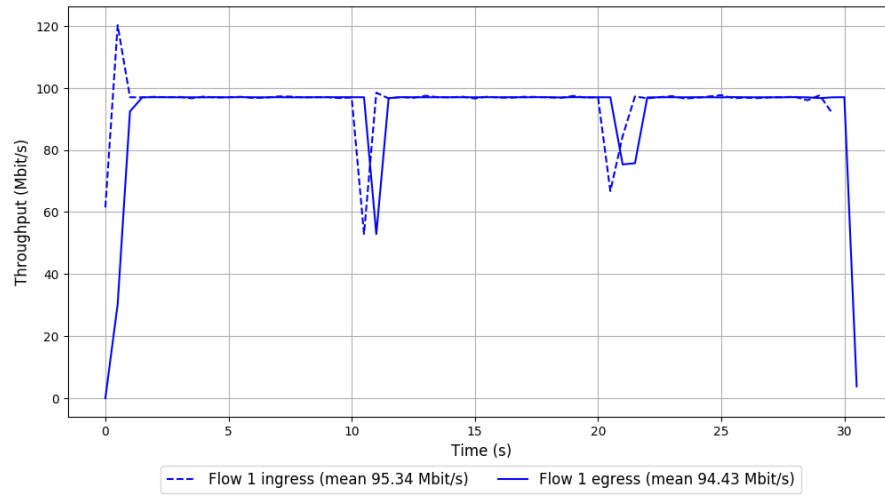


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-21 21:17:08  
End at: 2018-08-21 21:17:38  
Local clock offset: -0.987 ms  
Remote clock offset: -0.889 ms

# Below is generated by plot.py at 2018-08-21 22:51:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.43 Mbit/s  
95th percentile per-packet one-way delay: 47.442 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 94.43 Mbit/s  
95th percentile per-packet one-way delay: 47.442 ms  
Loss rate: 0.91%

## Run 7: Report of FillP-Sheep — Data Link

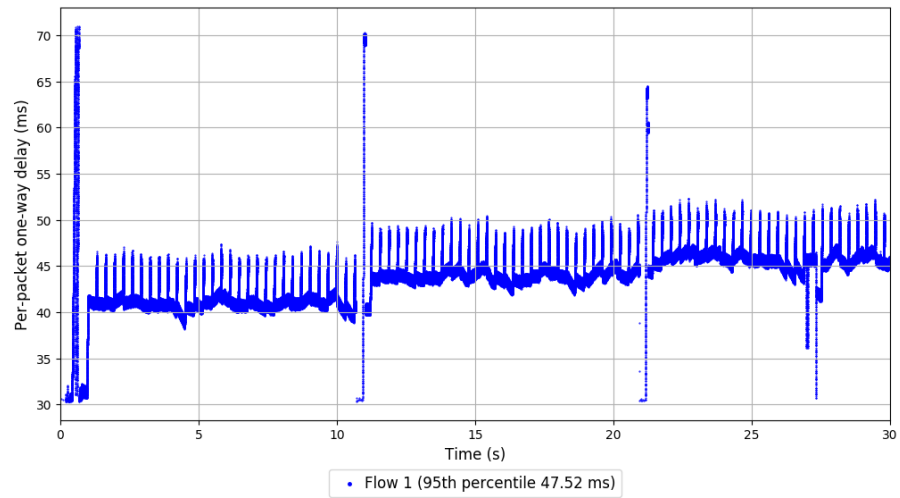
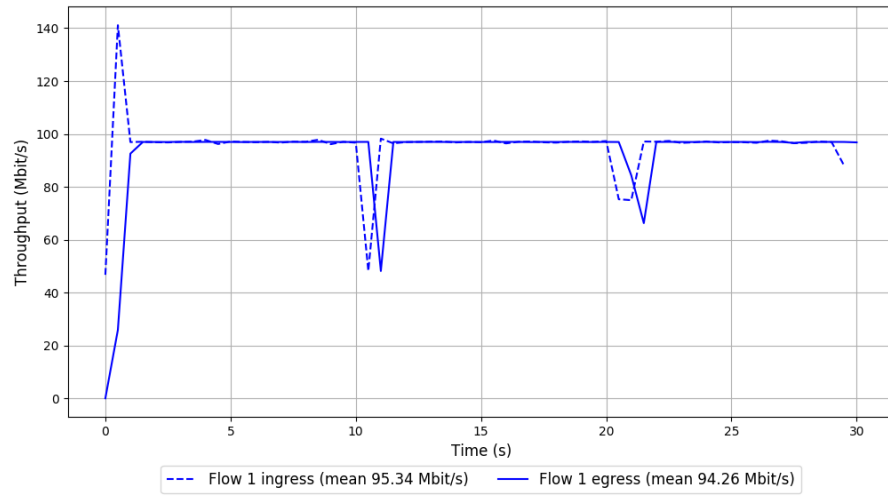


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-21 21:39:27  
End at: 2018-08-21 21:39:57  
Local clock offset: 0.549 ms  
Remote clock offset: -1.076 ms

# Below is generated by plot.py at 2018-08-21 22:51:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.26 Mbit/s  
95th percentile per-packet one-way delay: 47.522 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 94.26 Mbit/s  
95th percentile per-packet one-way delay: 47.522 ms  
Loss rate: 1.07%

## Run 8: Report of FillP-Sheep — Data Link



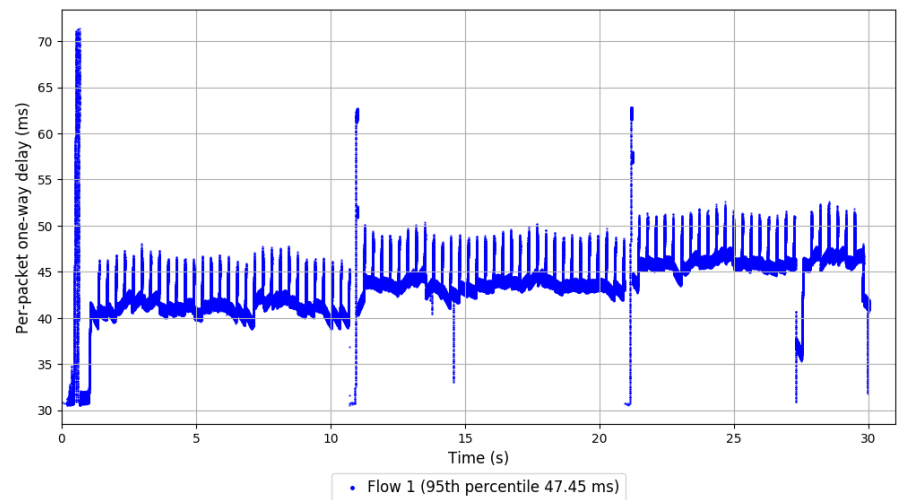
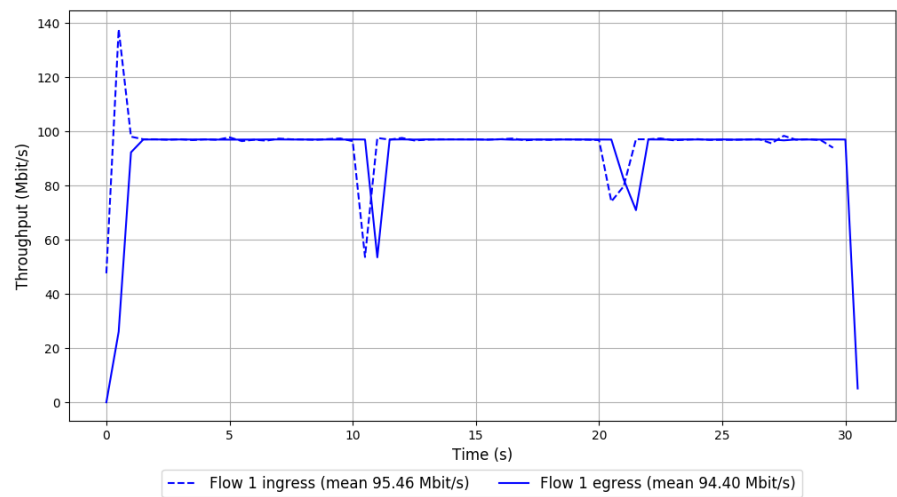
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-21 22:01:40  
End at: 2018-08-21 22:02:10  
Local clock offset: 0.054 ms  
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-08-21 22:51:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.40 Mbit/s  
95th percentile per-packet one-way delay: 47.445 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 94.40 Mbit/s  
95th percentile per-packet one-way delay: 47.445 ms  
Loss rate: 1.07%



Run 9: Report of FillP-Sheep — Data Link

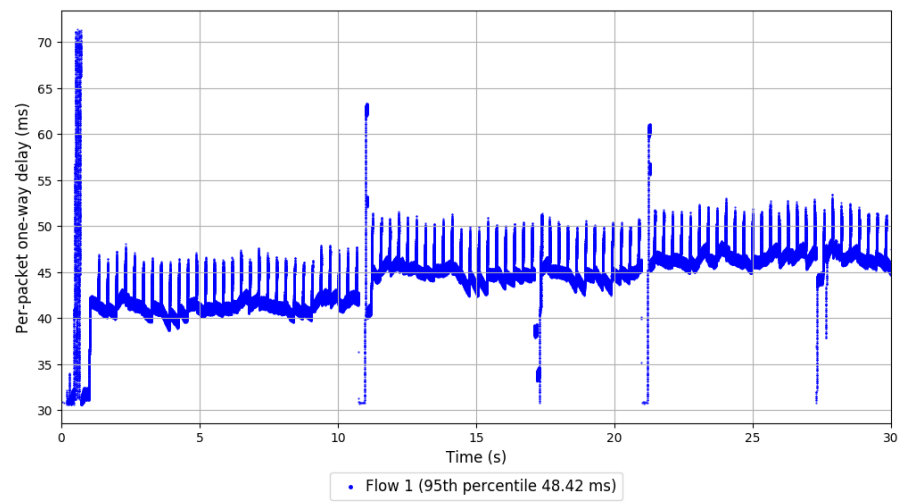
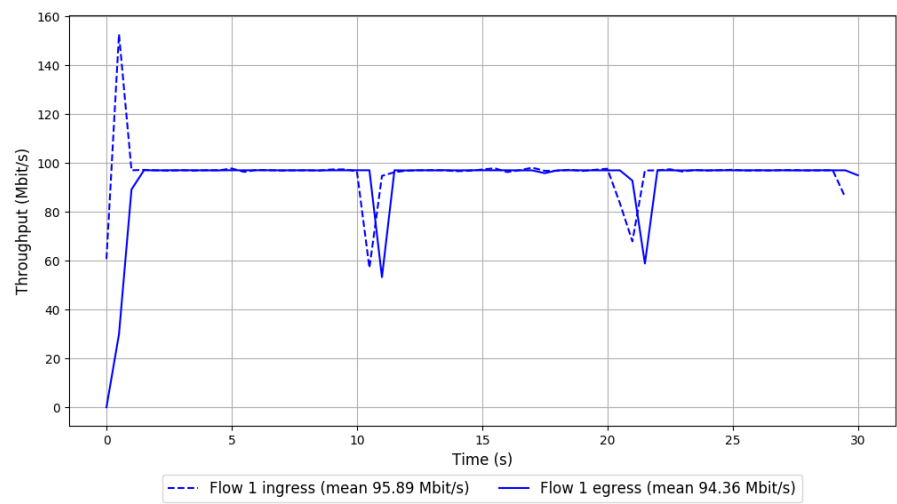


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-21 22:24:02  
End at: 2018-08-21 22:24:32  
Local clock offset: 0.03 ms  
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-08-21 22:51:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.36 Mbit/s  
95th percentile per-packet one-way delay: 48.418 ms  
Loss rate: 1.54%  
-- Flow 1:  
Average throughput: 94.36 Mbit/s  
95th percentile per-packet one-way delay: 48.418 ms  
Loss rate: 1.54%

Run 10: Report of FillP-Sheep — Data Link

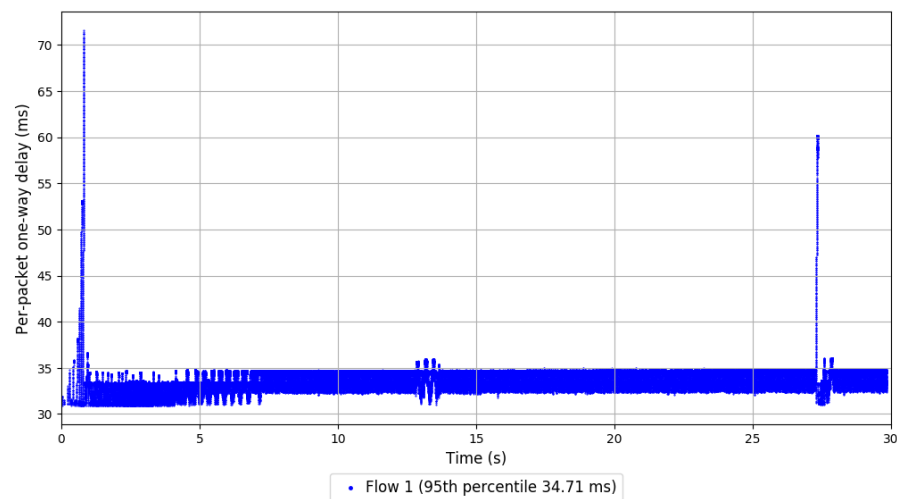
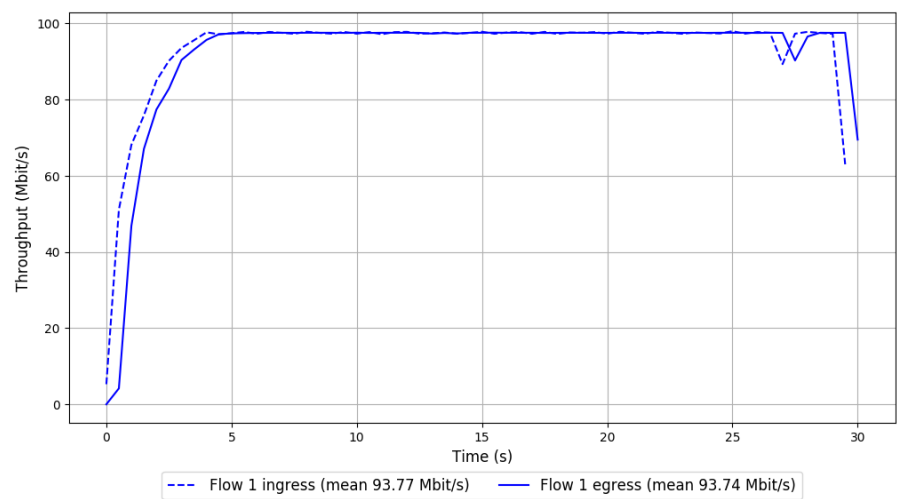


Run 1: Statistics of Indigo

Start at: 2018-08-21 19:14:00  
End at: 2018-08-21 19:14:30  
Local clock offset: -5.688 ms  
Remote clock offset: -0.729 ms

# Below is generated by plot.py at 2018-08-21 22:51:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.74 Mbit/s  
95th percentile per-packet one-way delay: 34.709 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 93.74 Mbit/s  
95th percentile per-packet one-way delay: 34.709 ms  
Loss rate: 0.02%

Run 1: Report of Indigo — Data Link

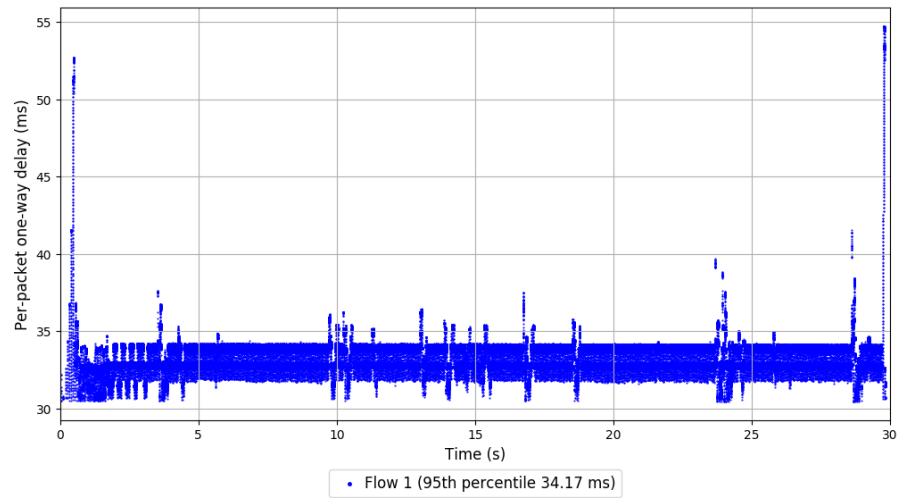
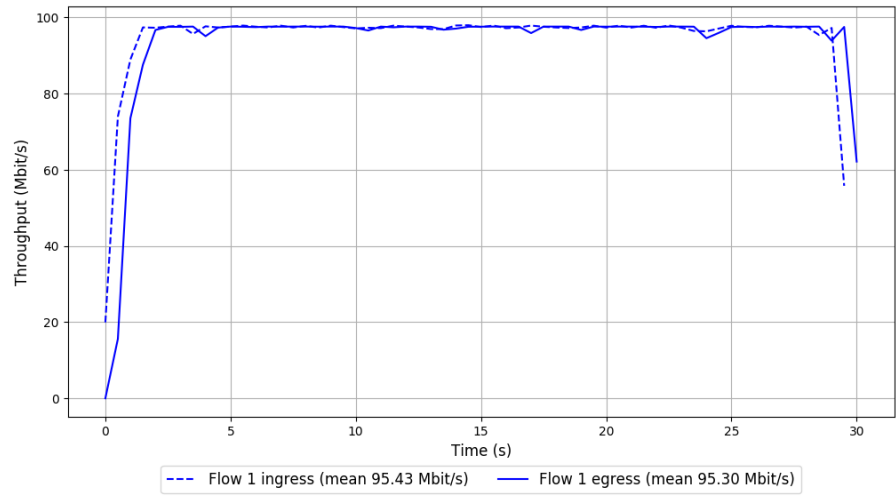


Run 2: Statistics of Indigo

Start at: 2018-08-21 19:36:17  
End at: 2018-08-21 19:36:47  
Local clock offset: -5.446 ms  
Remote clock offset: -0.748 ms

# Below is generated by plot.py at 2018-08-21 22:51:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 34.171 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 34.171 ms  
Loss rate: 0.13%

## Run 2: Report of Indigo — Data Link



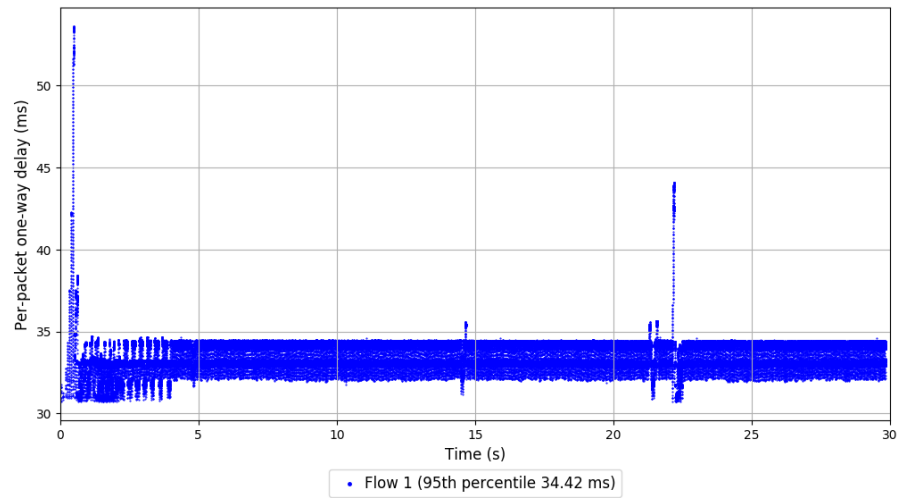
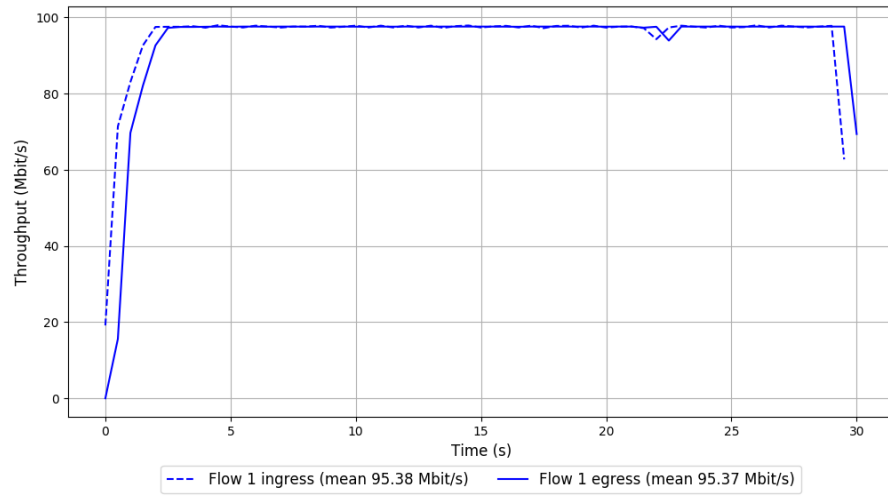
Run 3: Statistics of Indigo

Start at: 2018-08-21 19:58:36  
End at: 2018-08-21 19:59:06  
Local clock offset: -2.512 ms  
Remote clock offset: -0.609 ms

# Below is generated by plot.py at 2018-08-21 22:51:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.37 Mbit/s  
95th percentile per-packet one-way delay: 34.418 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.37 Mbit/s  
95th percentile per-packet one-way delay: 34.418 ms  
Loss rate: 0.01%



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

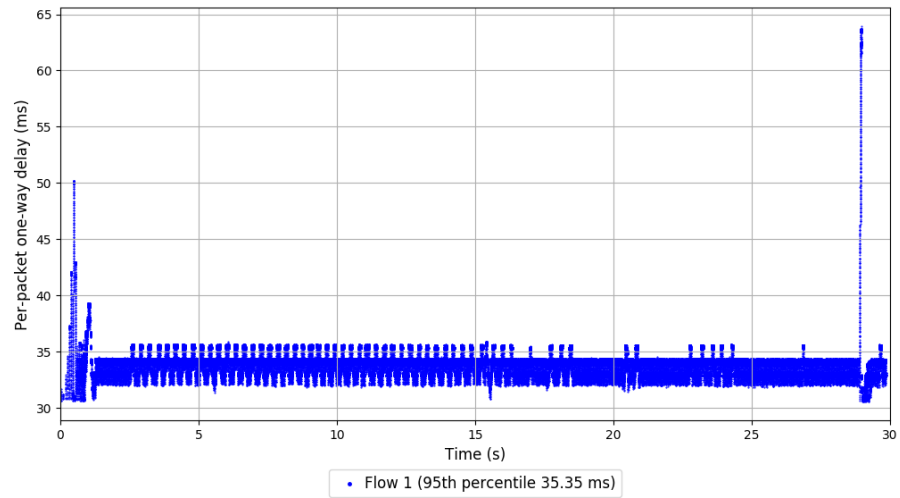
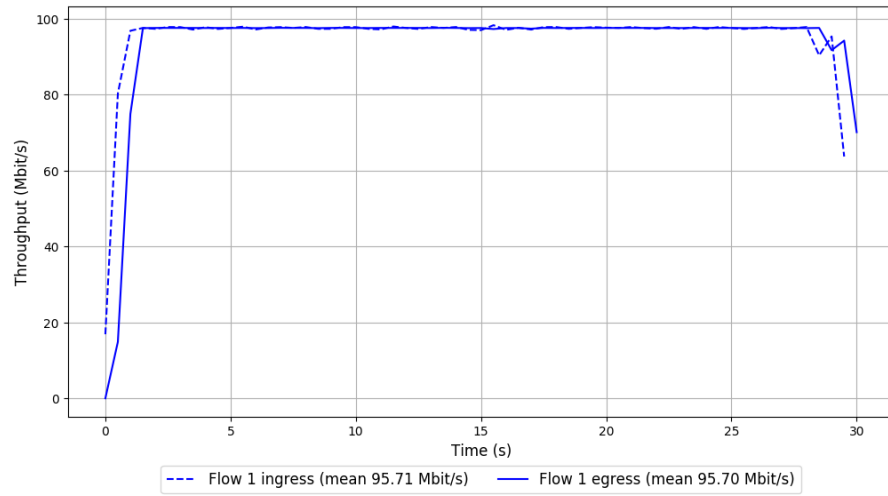


Run 4: Statistics of Indigo

Start at: 2018-08-21 20:20:52  
End at: 2018-08-21 20:21:22  
Local clock offset: -4.017 ms  
Remote clock offset: -0.437 ms

# Below is generated by plot.py at 2018-08-21 22:51:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 35.349 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 35.349 ms  
Loss rate: 0.01%

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

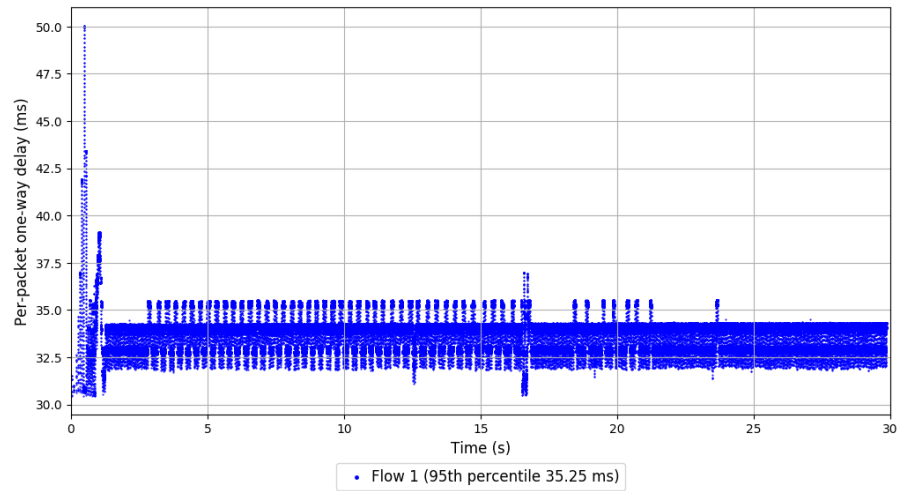
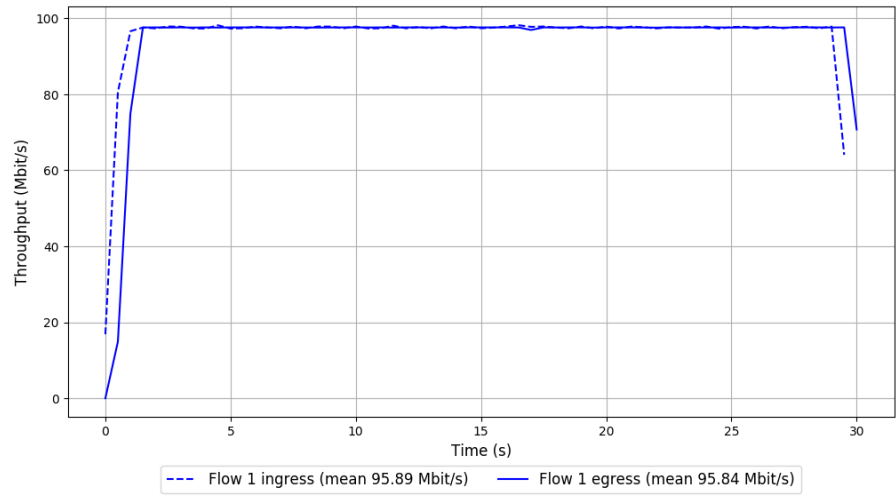


Run 5: Statistics of Indigo

Start at: 2018-08-21 20:43:06  
End at: 2018-08-21 20:43:36  
Local clock offset: -4.359 ms  
Remote clock offset: -0.577 ms

# Below is generated by plot.py at 2018-08-21 22:52:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 35.247 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 35.247 ms  
Loss rate: 0.03%

### Run 5: Report of Indigo — Data Link

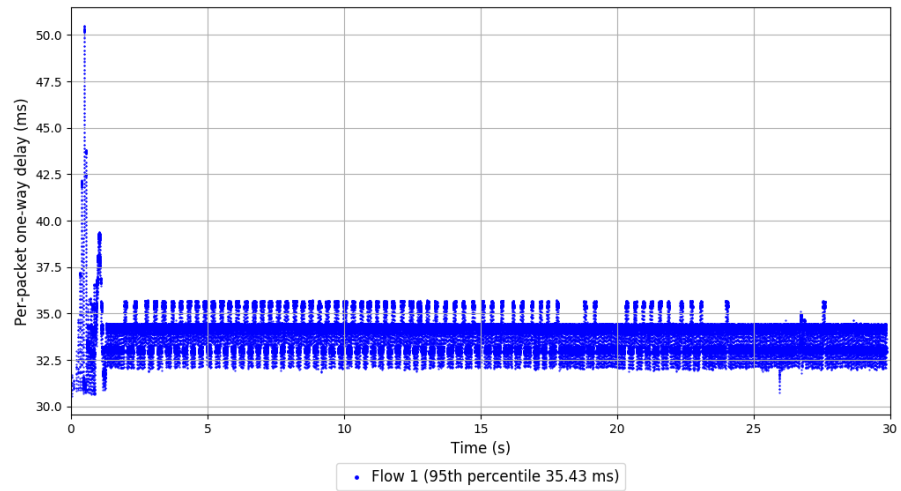
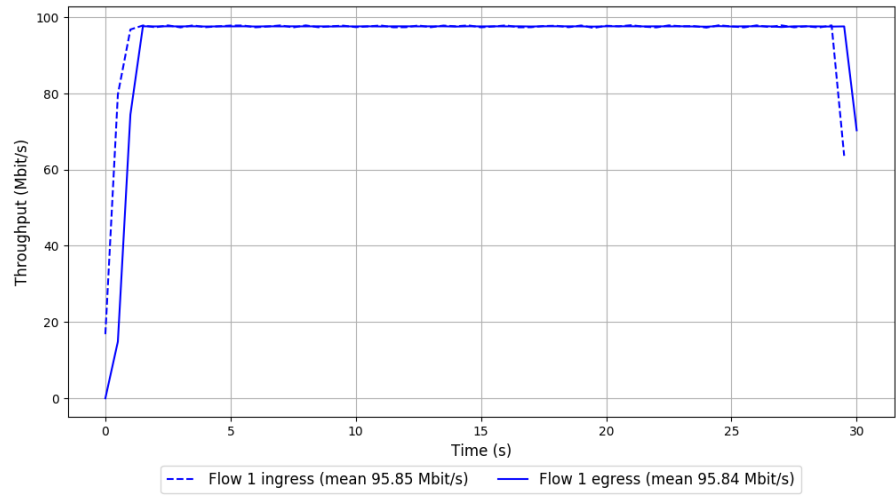


Run 6: Statistics of Indigo

Start at: 2018-08-21 21:05:18  
End at: 2018-08-21 21:05:48  
Local clock offset: -4.063 ms  
Remote clock offset: -0.567 ms

# Below is generated by plot.py at 2018-08-21 22:52:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 35.427 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 35.427 ms  
Loss rate: 0.00%

## Run 6: Report of Indigo — Data Link



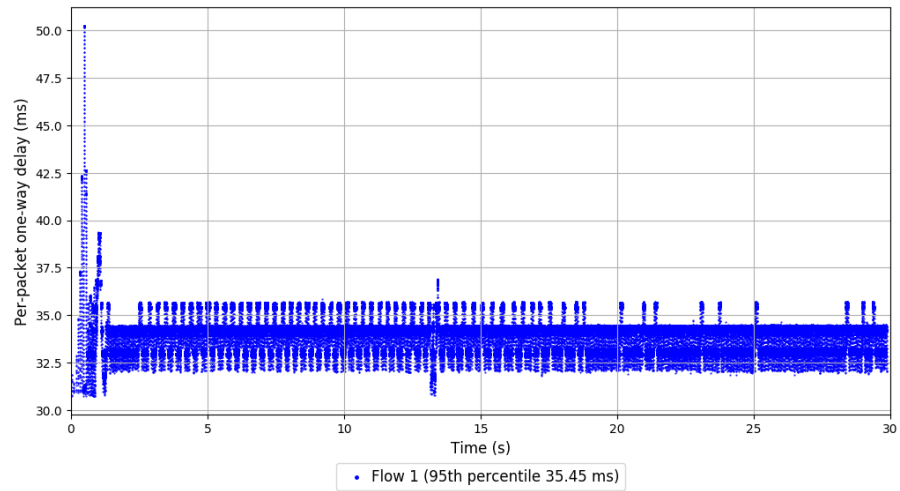
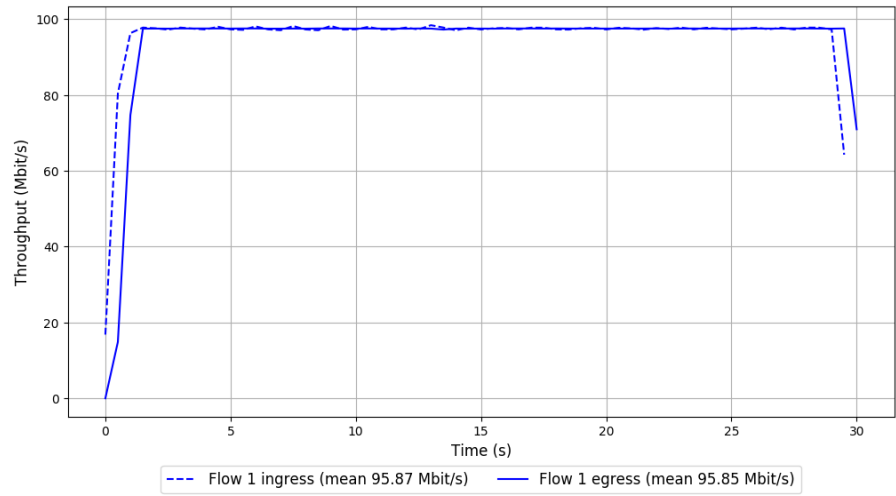
Run 7: Statistics of Indigo

Start at: 2018-08-21 21:27:37  
End at: 2018-08-21 21:28:07  
Local clock offset: 0.227 ms  
Remote clock offset: -0.828 ms

# Below is generated by plot.py at 2018-08-21 22:52:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.85 Mbit/s  
95th percentile per-packet one-way delay: 35.445 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 95.85 Mbit/s  
95th percentile per-packet one-way delay: 35.445 ms  
Loss rate: 0.02%



## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-21 21:49:52

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

Local clock offset: 0.304 ms

Remote clock offset: -0.73 ms

# Below is generated by plot.py at 2018-08-21 22:52:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 35.248 ms

Loss rate: 0.00%

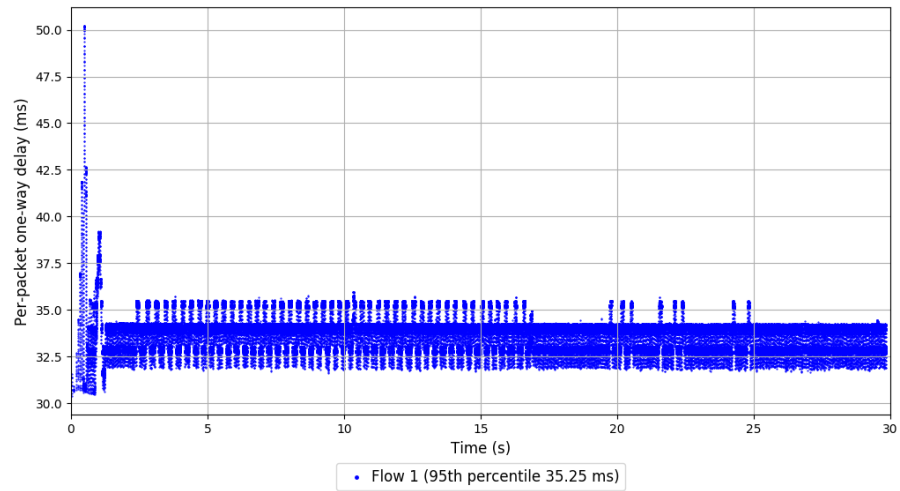
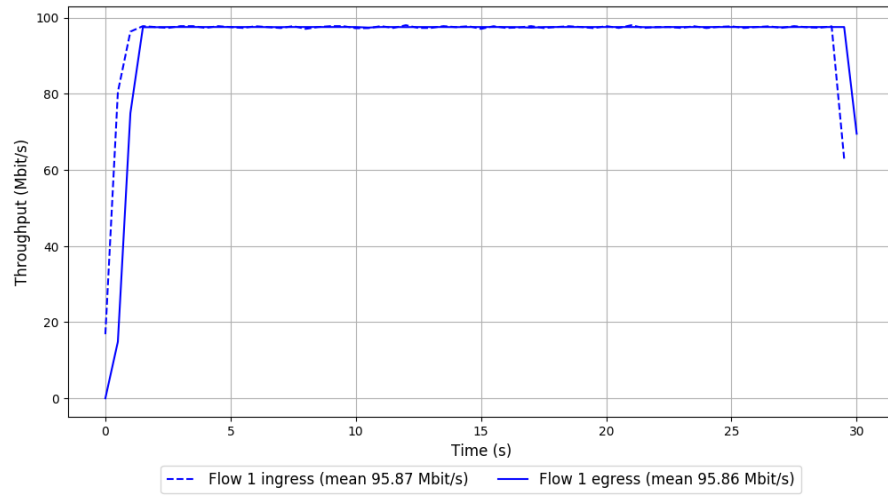
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 35.248 ms

Loss rate: 0.00%

## Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

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

End at: 2018-08-21 22:12:42

Local clock offset: 0.118 ms

Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2018-08-21 22:52:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 34.384 ms

Loss rate: 0.01%

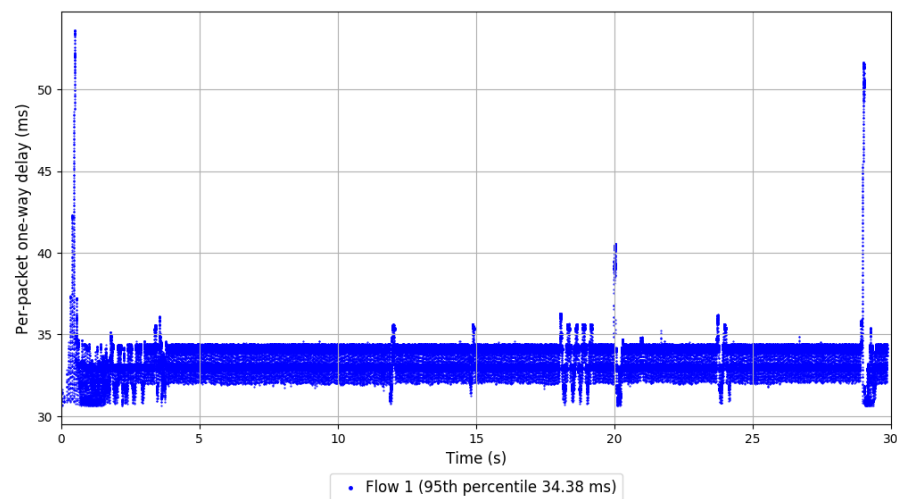
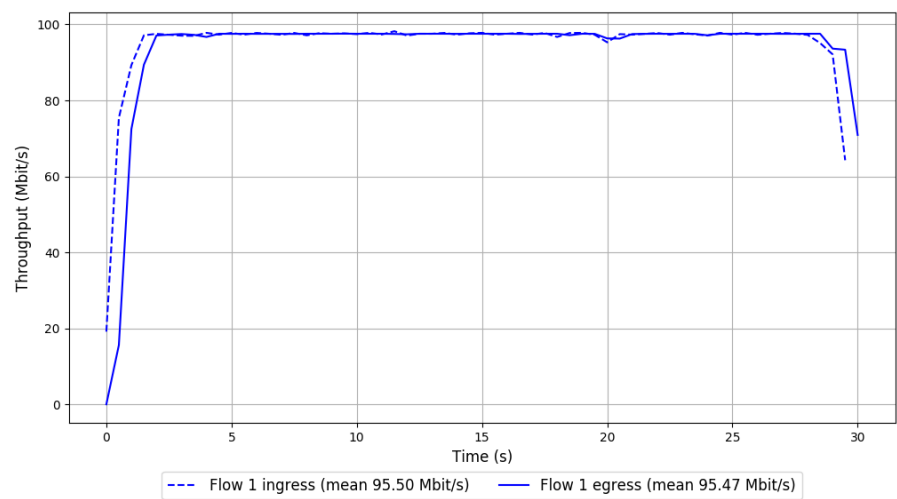
-- Flow 1:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 34.384 ms

Loss rate: 0.01%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-21 22:34:30

End at: 2018-08-21 22:35:00

Local clock offset: 0.137 ms

Remote clock offset: -0.677 ms

# Below is generated by plot.py at 2018-08-21 22:52:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 35.405 ms

Loss rate: 0.11%

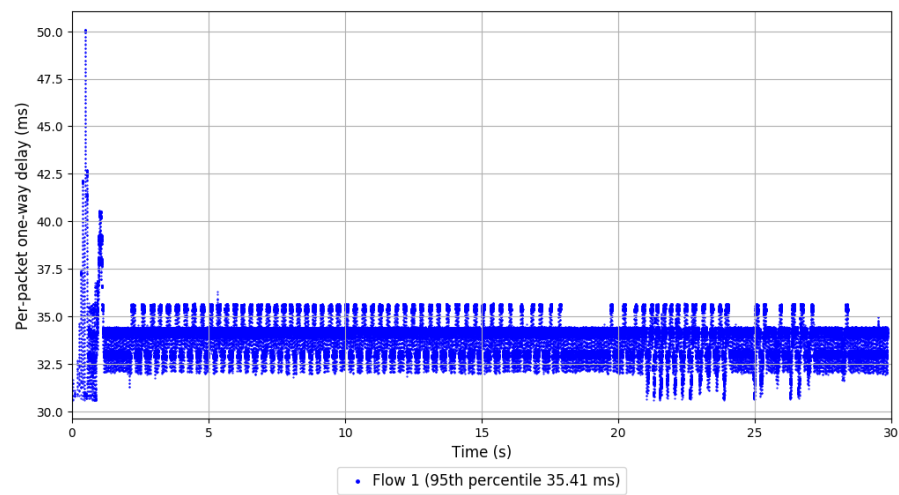
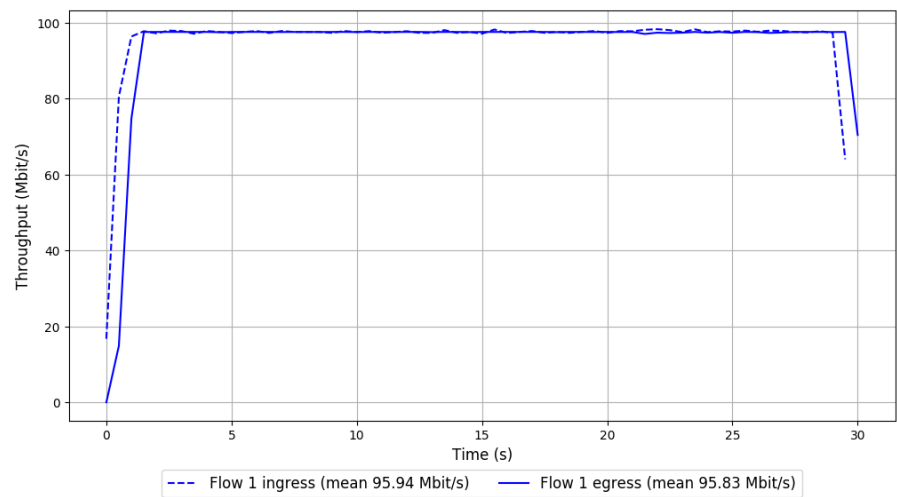
-- Flow 1:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 35.405 ms

Loss rate: 0.11%

Run 10: Report of Indigo — Data Link



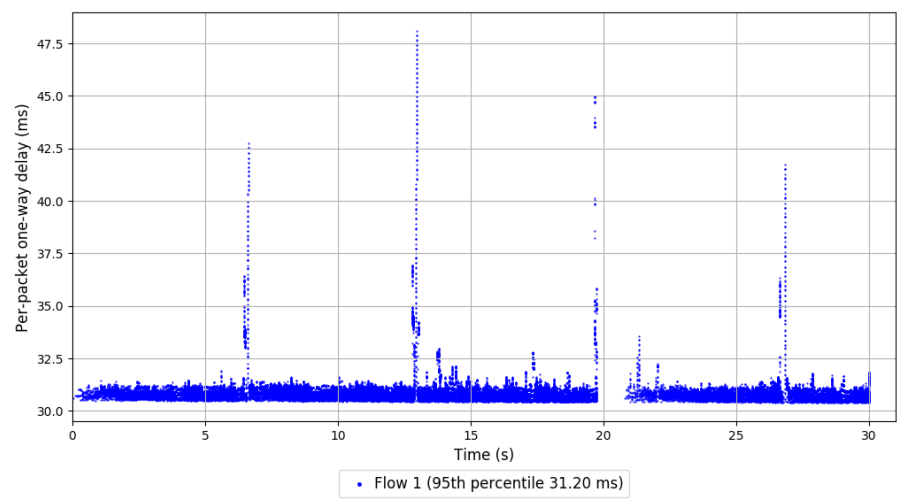
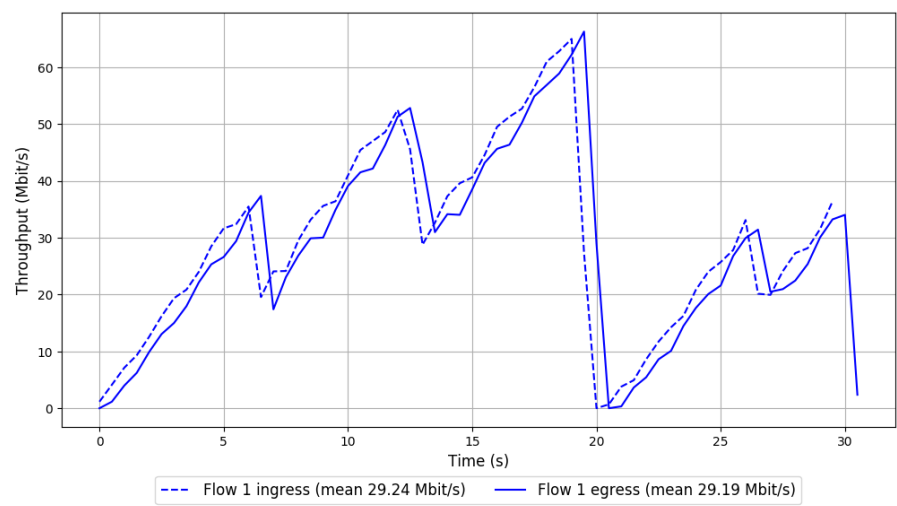
Run 1: Statistics of LEDBAT

Start at: 2018-08-21 19:01:02  
End at: 2018-08-21 19:01:32  
Local clock offset: -8.731 ms  
Remote clock offset: -0.923 ms

# Below is generated by plot.py at 2018-08-21 22:52:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.19 Mbit/s  
95th percentile per-packet one-way delay: 31.202 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 29.19 Mbit/s  
95th percentile per-packet one-way delay: 31.202 ms  
Loss rate: 0.16%



Run 1: Report of LEDBAT — Data Link

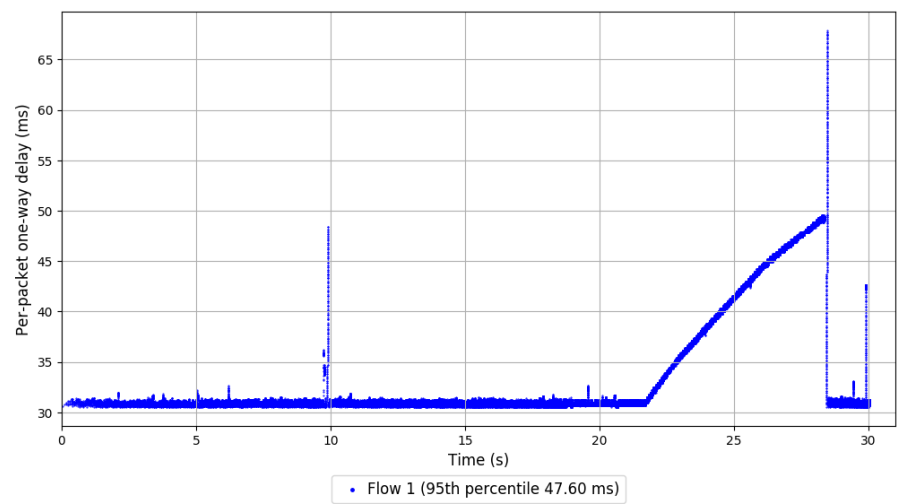
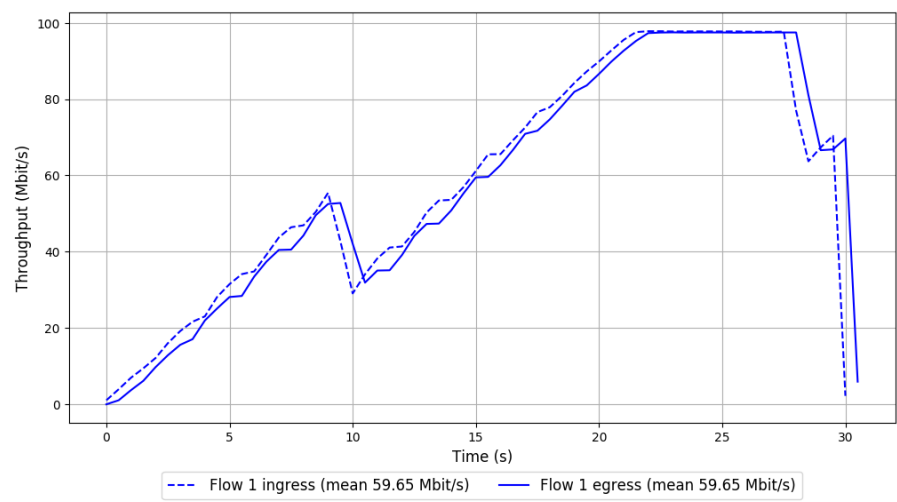


Run 2: Statistics of LEDBAT

Start at: 2018-08-21 19:23:13  
End at: 2018-08-21 19:23:44  
Local clock offset: -4.265 ms  
Remote clock offset: -0.757 ms

# Below is generated by plot.py at 2018-08-21 22:52:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.65 Mbit/s  
95th percentile per-packet one-way delay: 47.601 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 59.65 Mbit/s  
95th percentile per-packet one-way delay: 47.601 ms  
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

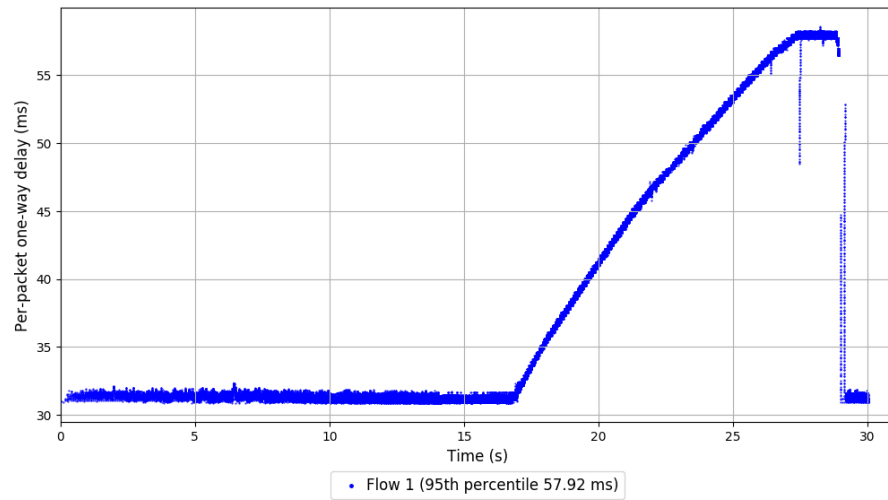
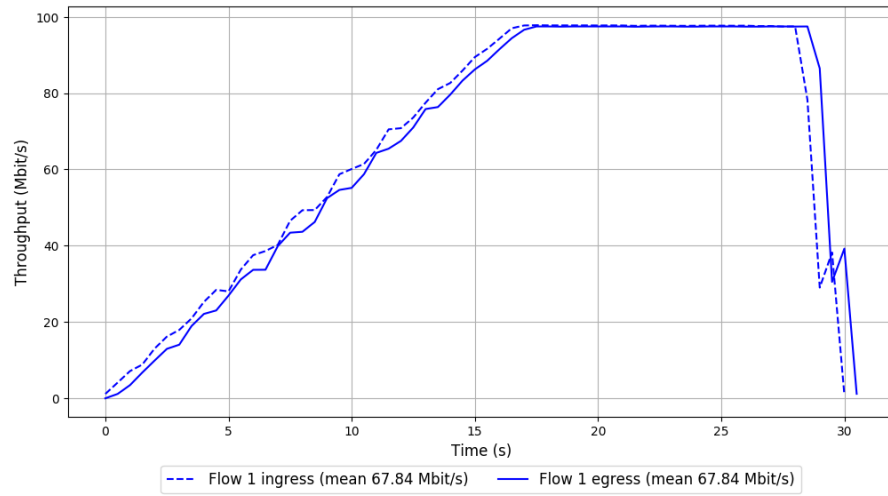


Run 3: Statistics of LEDBAT

Start at: 2018-08-21 19:45:33  
End at: 2018-08-21 19:46:03  
Local clock offset: -2.864 ms  
Remote clock offset: -0.727 ms

# Below is generated by plot.py at 2018-08-21 22:52:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.84 Mbit/s  
95th percentile per-packet one-way delay: 57.920 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 67.84 Mbit/s  
95th percentile per-packet one-way delay: 57.920 ms  
Loss rate: 0.01%

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

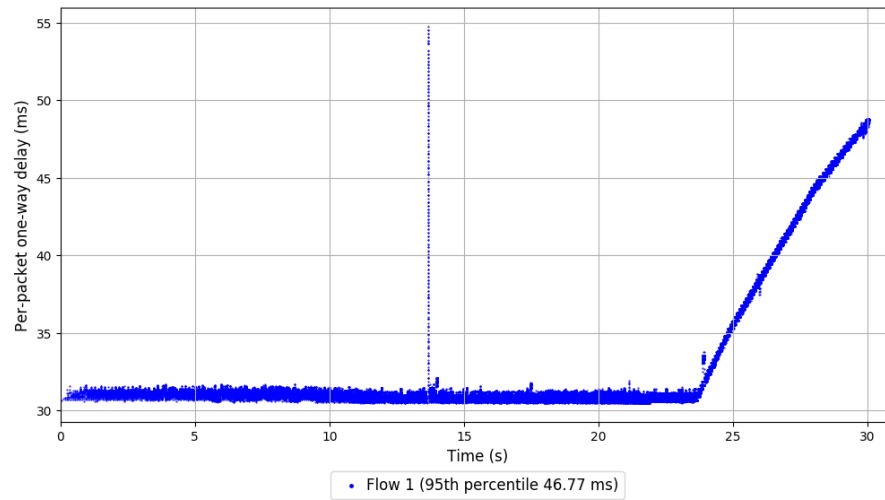
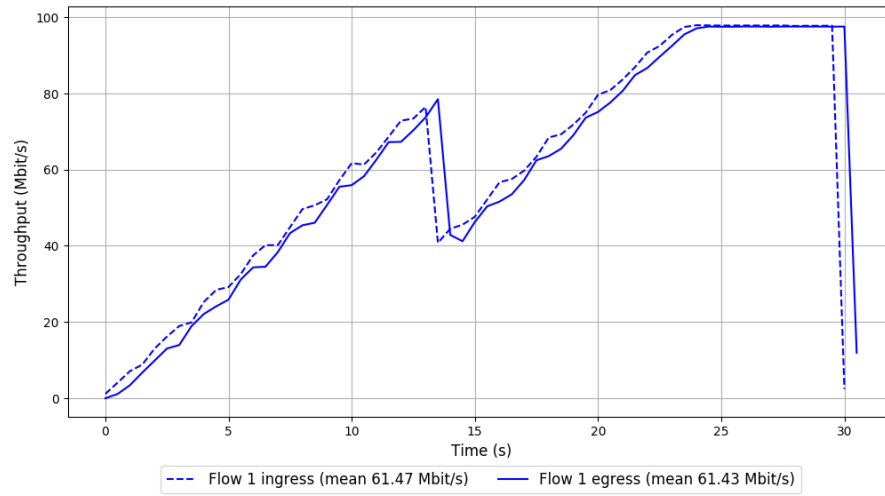


Run 4: Statistics of LEDBAT

Start at: 2018-08-21 20:07:50  
End at: 2018-08-21 20:08:20  
Local clock offset: -2.974 ms  
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2018-08-21 22:53:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.43 Mbit/s  
95th percentile per-packet one-way delay: 46.766 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 61.43 Mbit/s  
95th percentile per-packet one-way delay: 46.766 ms  
Loss rate: 0.00%

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



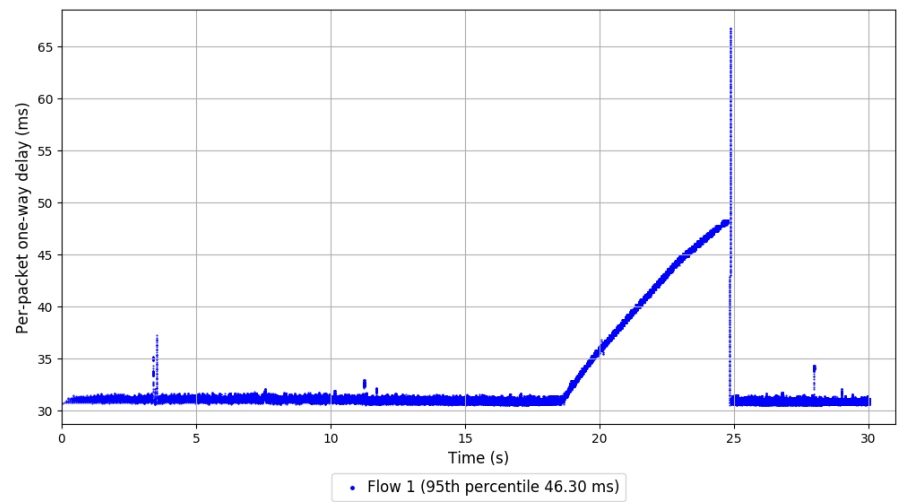
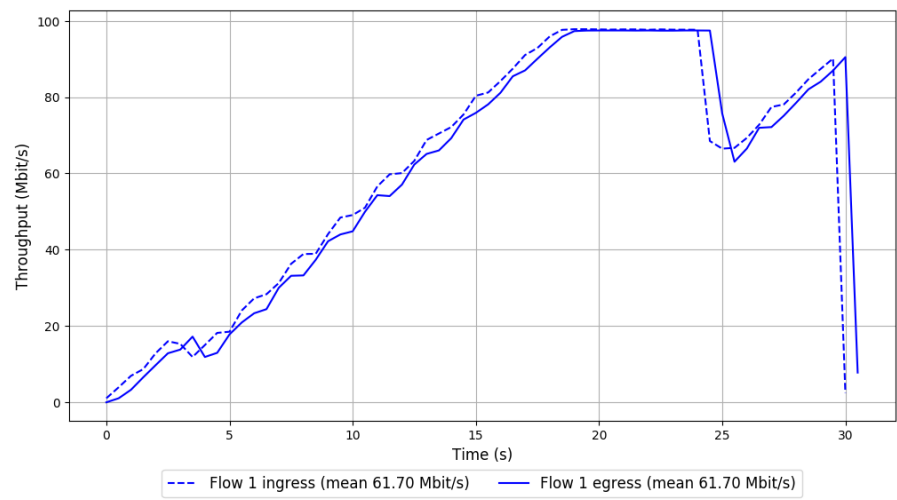
Run 5: Statistics of LEDBAT

Start at: 2018-08-21 20:30:04  
End at: 2018-08-21 20:30:34  
Local clock offset: -4.864 ms  
Remote clock offset: -0.357 ms

# Below is generated by plot.py at 2018-08-21 22:53:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.70 Mbit/s  
95th percentile per-packet one-way delay: 46.297 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 61.70 Mbit/s  
95th percentile per-packet one-way delay: 46.297 ms  
Loss rate: 0.01%



Run 5: Report of LEDBAT — Data Link

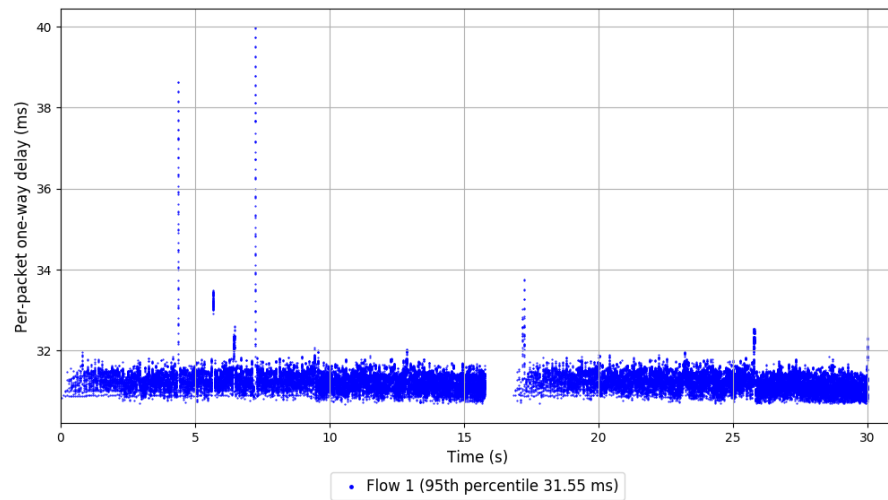
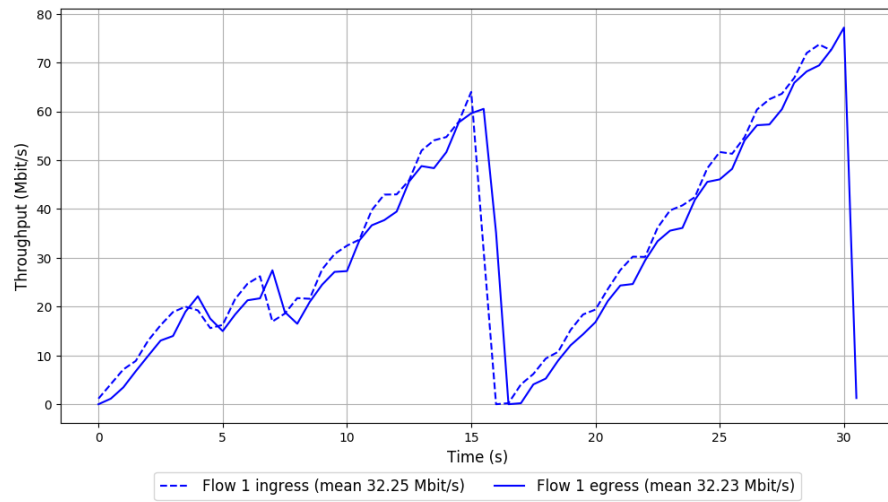


Run 6: Statistics of LEDBAT

Start at: 2018-08-21 20:52:18  
End at: 2018-08-21 20:52:48  
Local clock offset: -3.917 ms  
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2018-08-21 22:53:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.23 Mbit/s  
95th percentile per-packet one-way delay: 31.553 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 32.23 Mbit/s  
95th percentile per-packet one-way delay: 31.553 ms  
Loss rate: 0.07%

## Run 6: Report of LEDBAT — Data Link

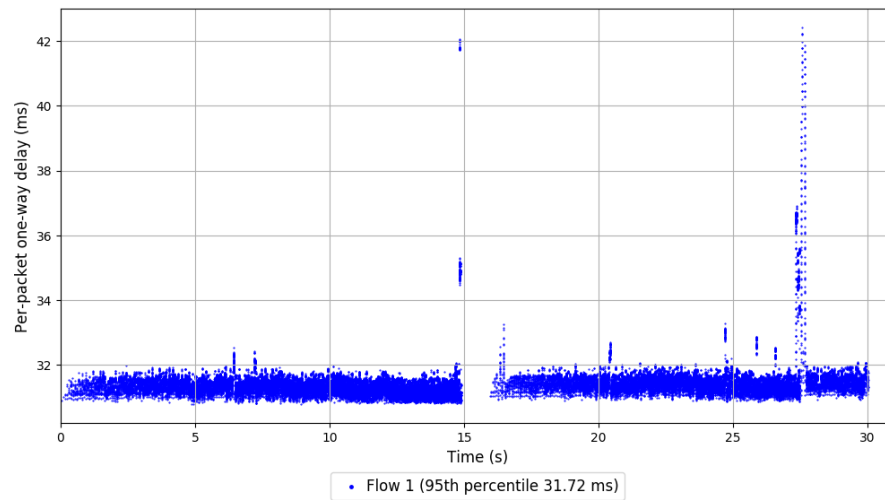
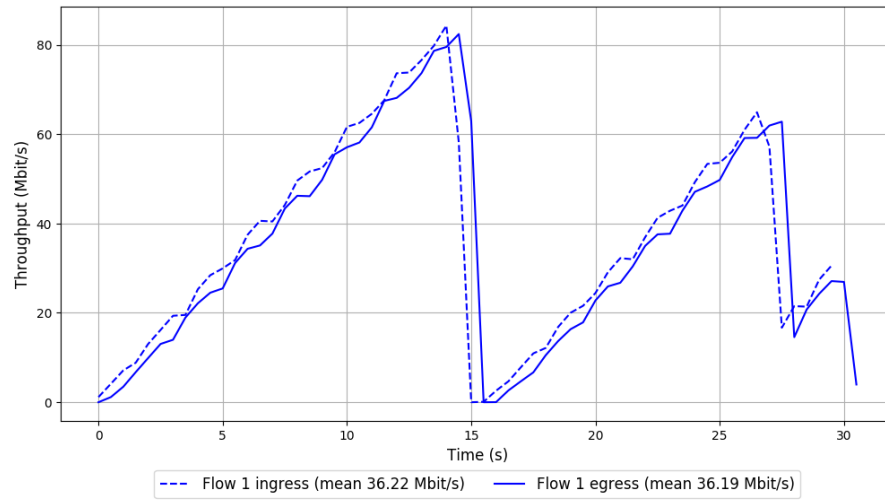


Run 7: Statistics of LEDBAT

Start at: 2018-08-21 21:14:33  
End at: 2018-08-21 21:15:03  
Local clock offset: -1.483 ms  
Remote clock offset: -0.652 ms

# Below is generated by plot.py at 2018-08-21 22:53:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.19 Mbit/s  
95th percentile per-packet one-way delay: 31.719 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 36.19 Mbit/s  
95th percentile per-packet one-way delay: 31.719 ms  
Loss rate: 0.08%

### Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-21 21:36:49

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

Local clock offset: 0.752 ms

Remote clock offset: -0.75 ms

# Below is generated by plot.py at 2018-08-21 22:53:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 57.848 ms

Loss rate: 0.00%

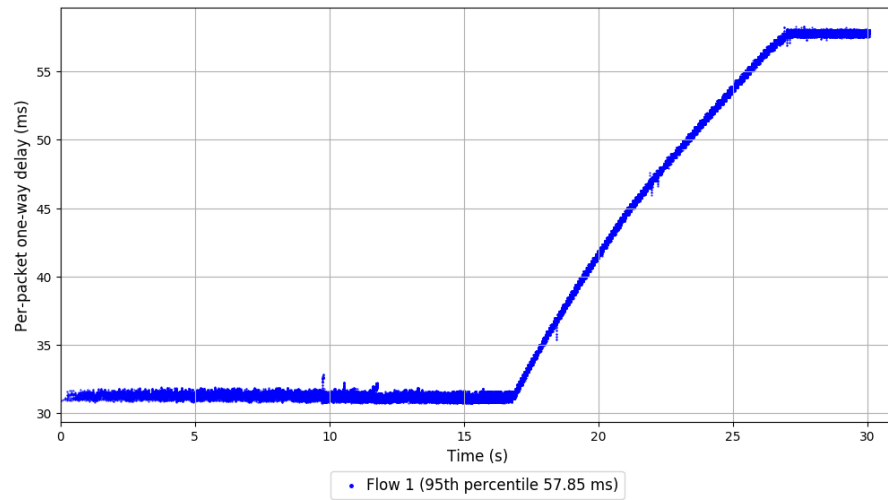
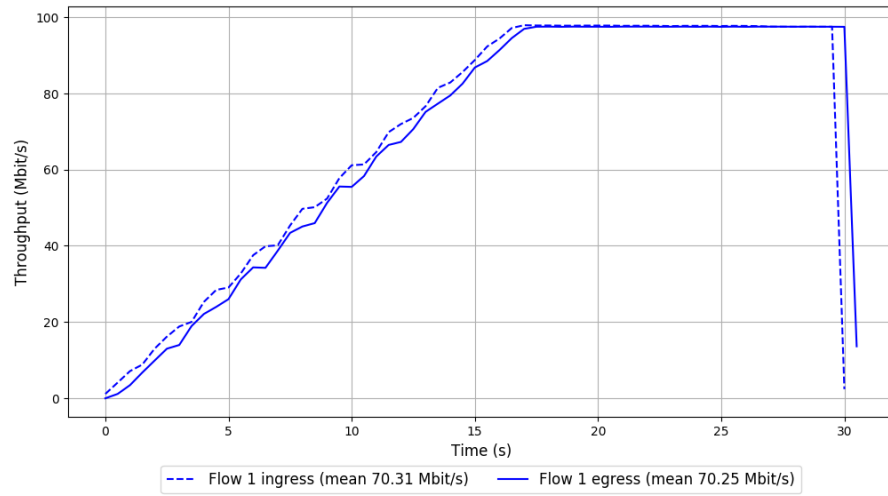
-- Flow 1:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 57.848 ms

Loss rate: 0.00%

## Run 8: Report of LEDBAT — Data Link



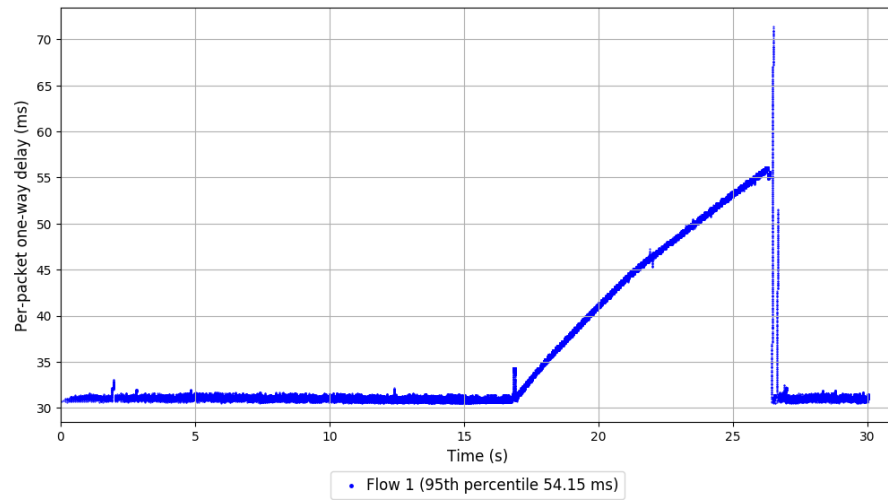
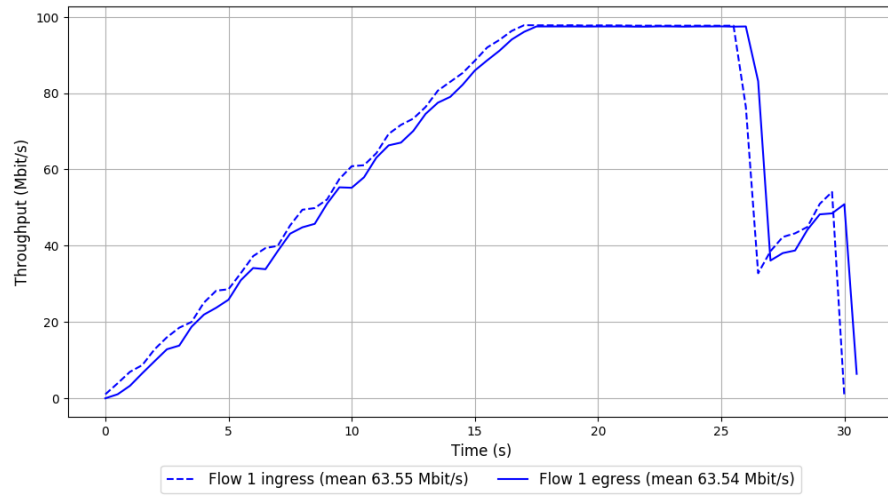
Run 9: Statistics of LEDBAT

Start at: 2018-08-21 21:59:03  
End at: 2018-08-21 21:59:33  
Local clock offset: 0.173 ms  
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2018-08-21 22:53:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.54 Mbit/s  
95th percentile per-packet one-way delay: 54.146 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 63.54 Mbit/s  
95th percentile per-packet one-way delay: 54.146 ms  
Loss rate: 0.01%



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



Run 10: Statistics of LEDBAT

Start at: 2018-08-21 22:21:26

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

Local clock offset: 0.035 ms

Remote clock offset: 0.096 ms

# Below is generated by plot.py at 2018-08-21 22:53:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 52.001 ms

Loss rate: 0.03%

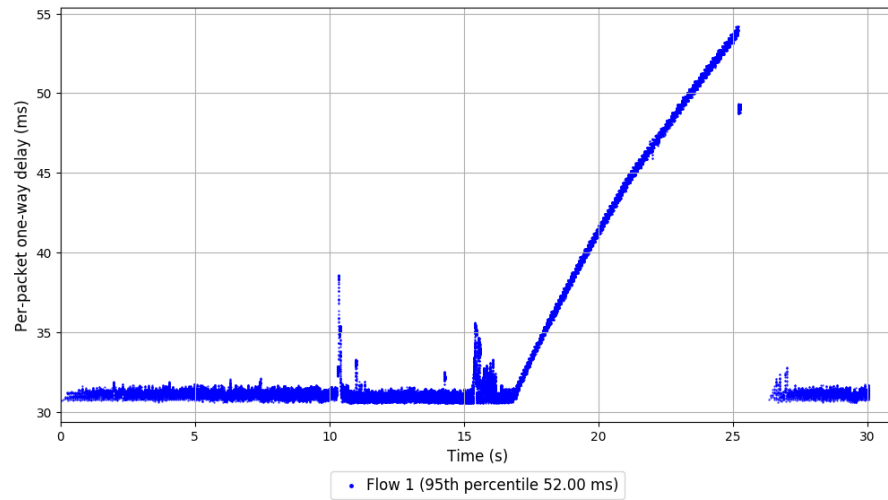
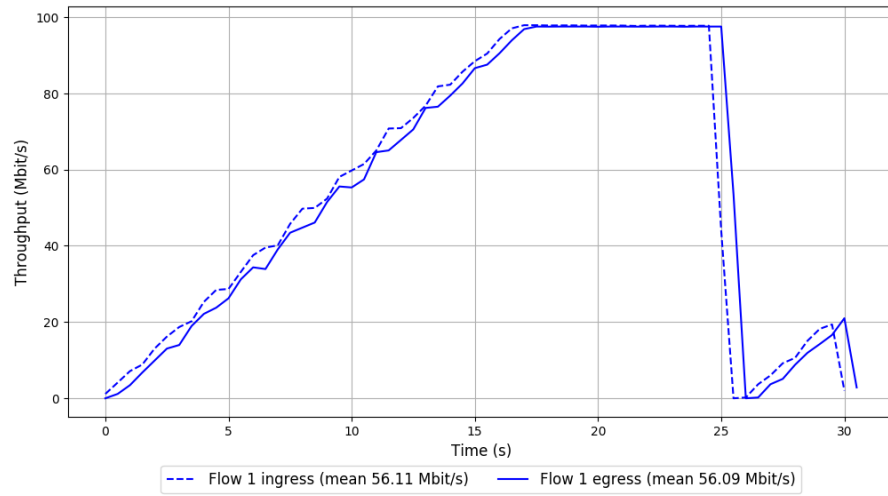
-- Flow 1:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 52.001 ms

Loss rate: 0.03%

# Run 10: Report of LEDBAT — Data Link

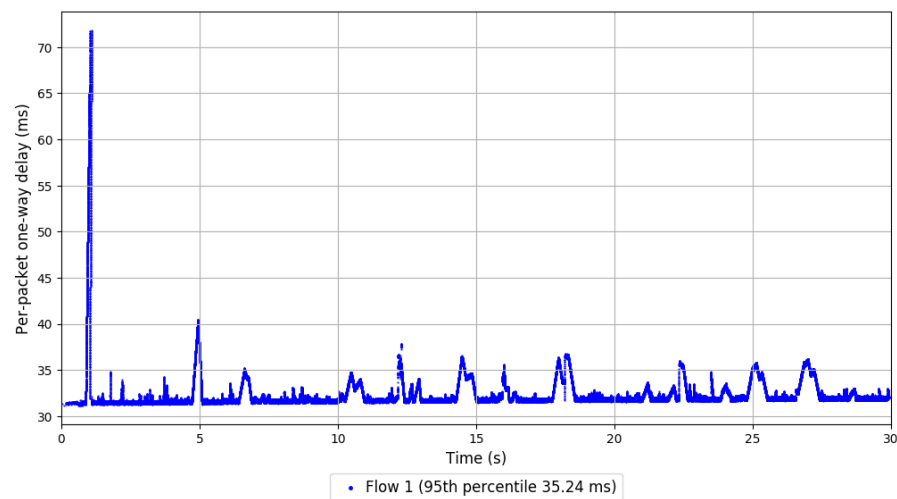
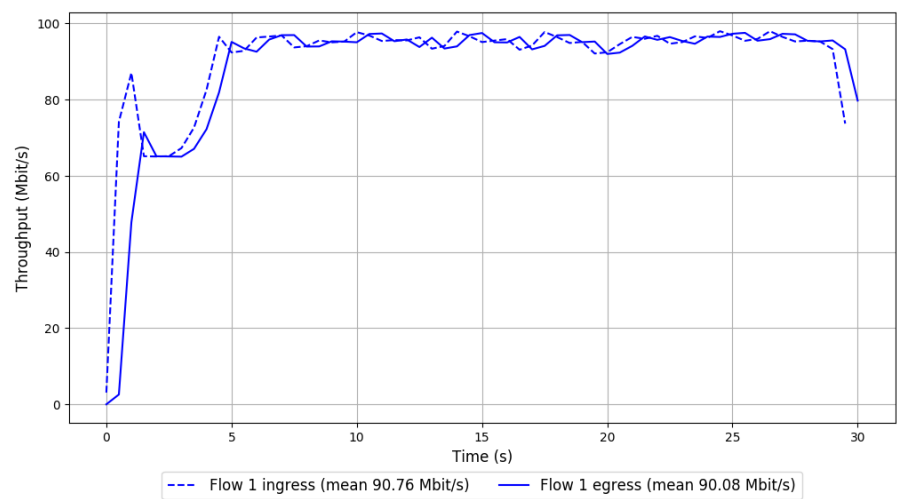


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-21 19:07:30  
End at: 2018-08-21 19:08:00  
Local clock offset: -10.126 ms  
Remote clock offset: -0.936 ms

# Below is generated by plot.py at 2018-08-21 22:54:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.08 Mbit/s  
95th percentile per-packet one-way delay: 35.239 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 90.08 Mbit/s  
95th percentile per-packet one-way delay: 35.239 ms  
Loss rate: 0.75%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-21 19:29:49

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

Local clock offset: -4.64 ms

Remote clock offset: -0.553 ms

# Below is generated by plot.py at 2018-08-21 22:54:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 37.124 ms

Loss rate: 0.80%

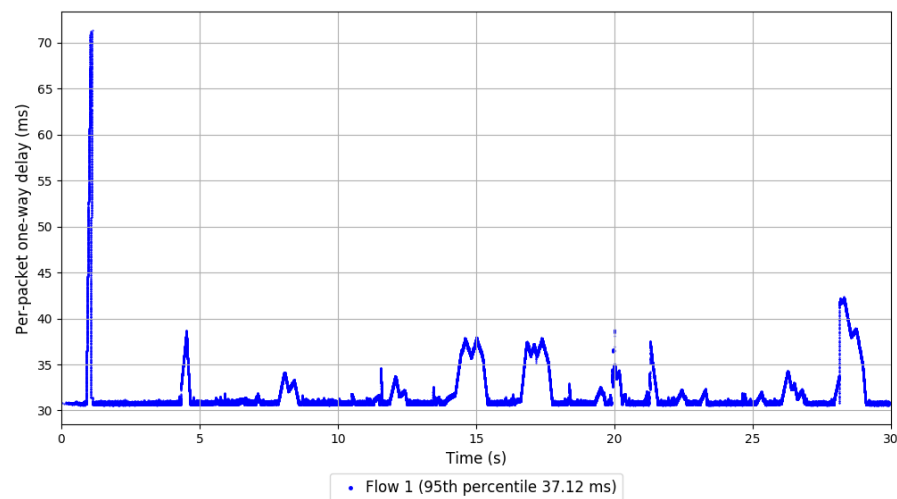
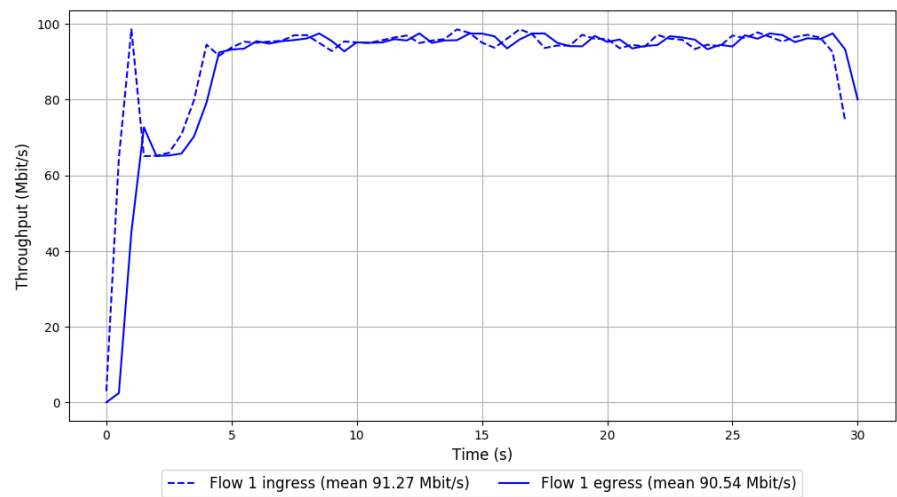
-- Flow 1:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 37.124 ms

Loss rate: 0.80%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

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

End at: 2018-08-21 19:52:39

Local clock offset: -2.301 ms

Remote clock offset: -0.756 ms

# Below is generated by plot.py at 2018-08-21 22:54:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 36.139 ms

Loss rate: 0.70%

-- Flow 1:

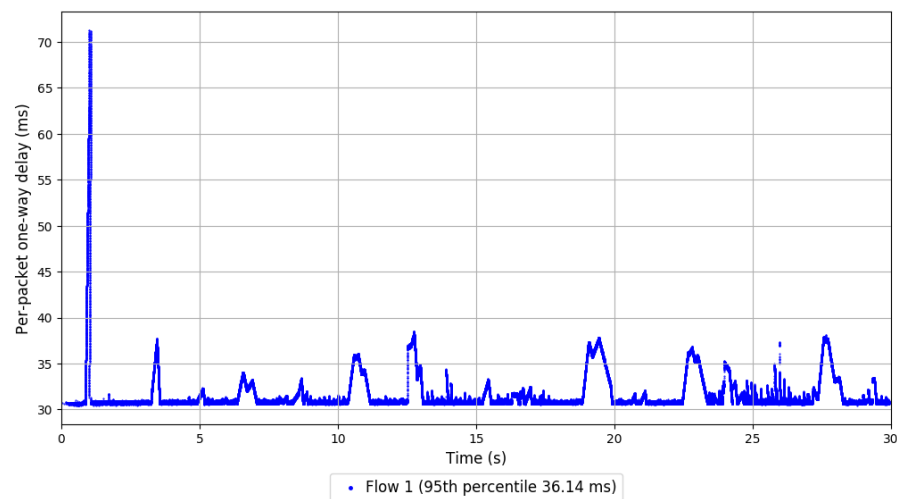
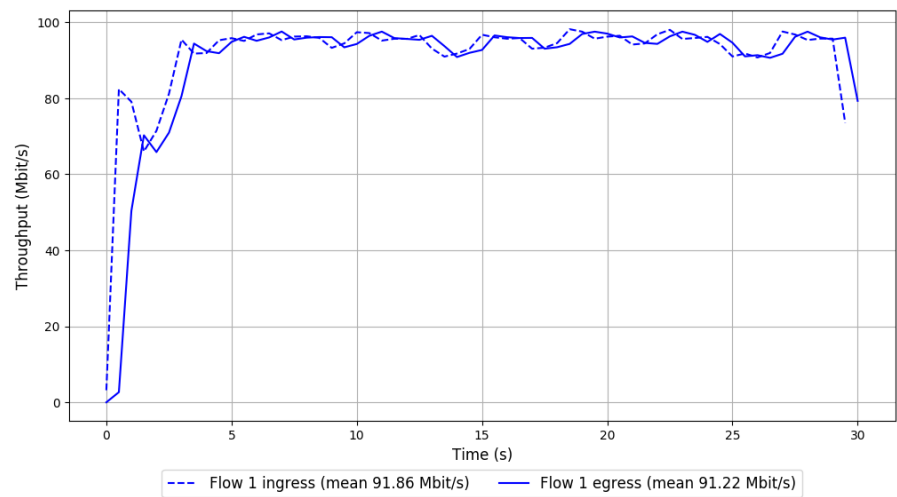
Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 36.139 ms

Loss rate: 0.70%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-21 20:14:24

End at: 2018-08-21 20:14:54

Local clock offset: -3.481 ms

Remote clock offset: -0.466 ms

# Below is generated by plot.py at 2018-08-21 22:54:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 36.195 ms

Loss rate: 0.70%

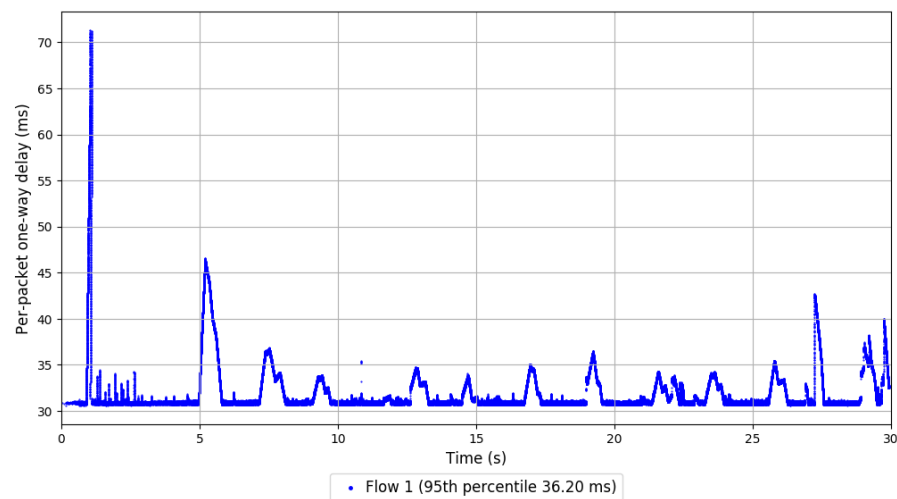
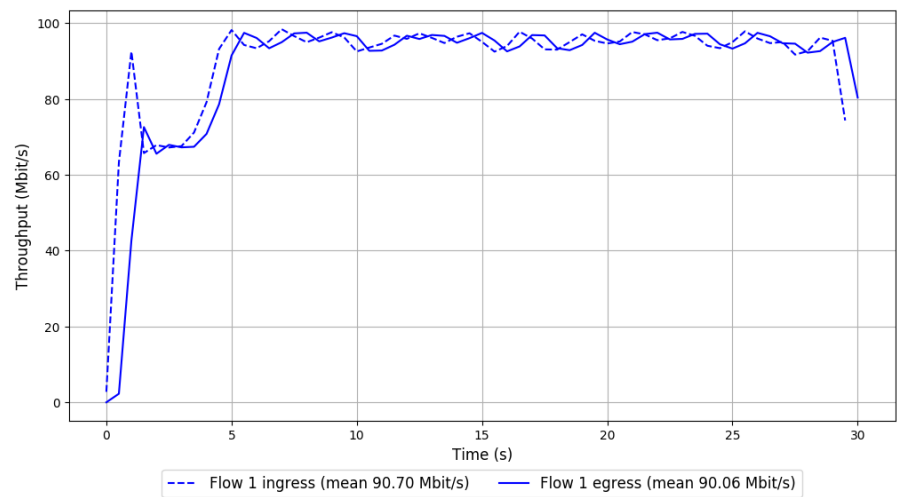
-- Flow 1:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 36.195 ms

Loss rate: 0.70%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-21 20:36:38

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

Local clock offset: -5.49 ms

Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2018-08-21 22:54:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.53 Mbit/s

95th percentile per-packet one-way delay: 34.729 ms

Loss rate: 0.69%

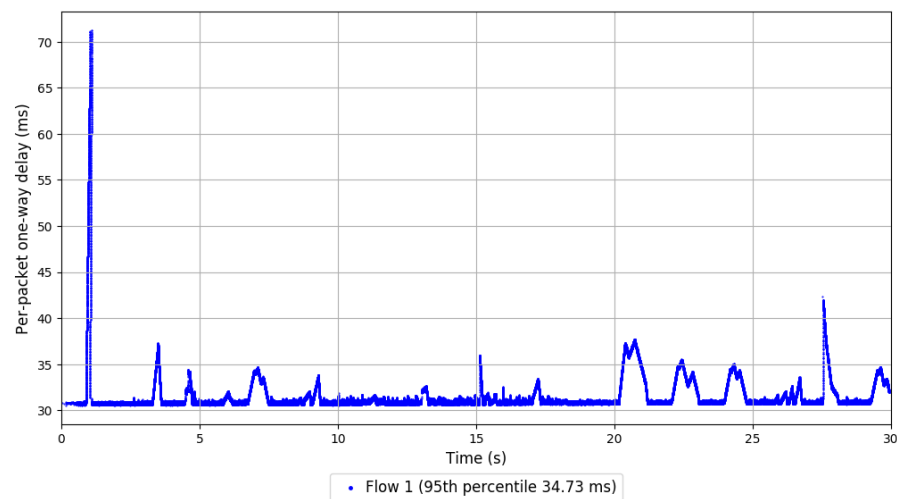
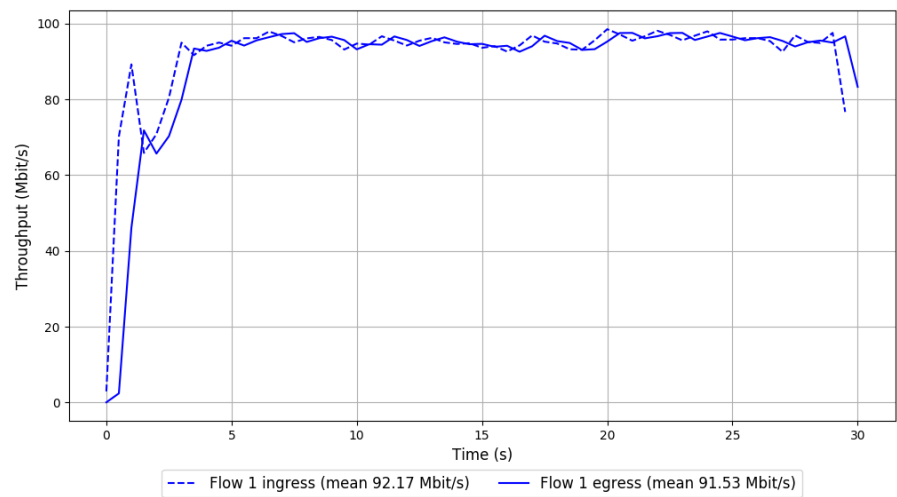
-- Flow 1:

Average throughput: 91.53 Mbit/s

95th percentile per-packet one-way delay: 34.729 ms

Loss rate: 0.69%

Run 5: Report of PCC-Allegro — Data Link

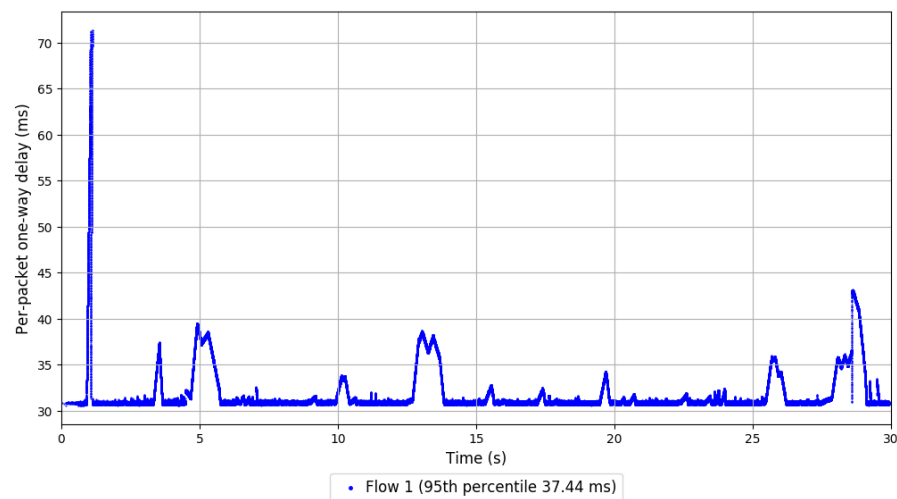
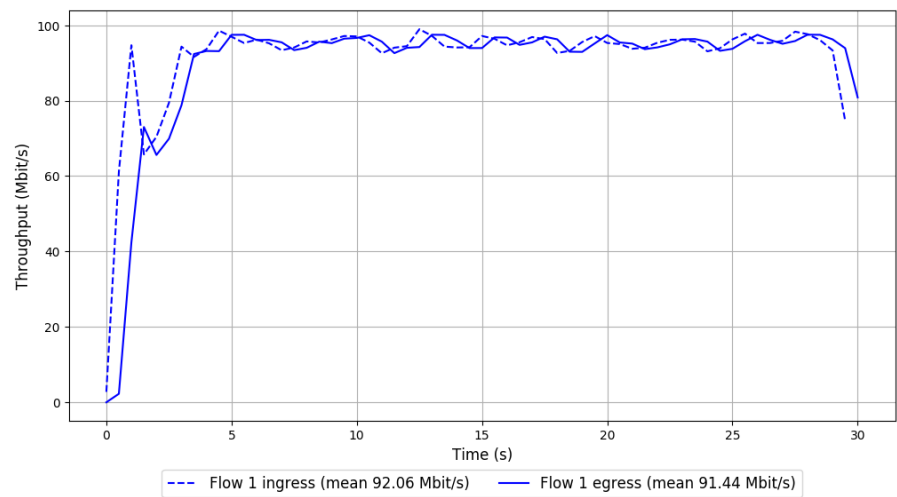


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-21 20:58:51  
End at: 2018-08-21 20:59:21  
Local clock offset: -3.941 ms  
Remote clock offset: -0.621 ms

# Below is generated by plot.py at 2018-08-21 22:54:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.44 Mbit/s  
95th percentile per-packet one-way delay: 37.438 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 91.44 Mbit/s  
95th percentile per-packet one-way delay: 37.438 ms  
Loss rate: 0.67%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

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

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

Local clock offset: -0.31 ms

Remote clock offset: -0.947 ms

# Below is generated by plot.py at 2018-08-21 22:54:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.59 Mbit/s

95th percentile per-packet one-way delay: 34.454 ms

Loss rate: 0.75%

-- Flow 1:

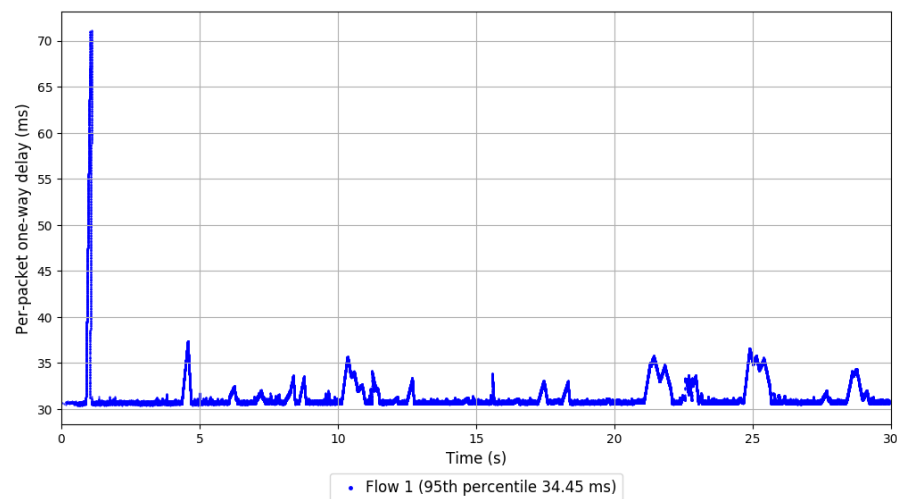
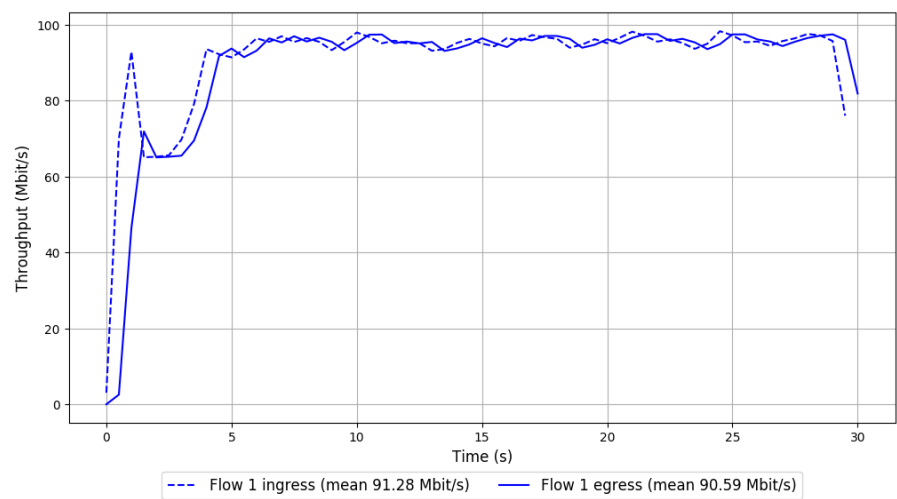
Average throughput: 90.59 Mbit/s

95th percentile per-packet one-way delay: 34.454 ms

Loss rate: 0.75%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-21 21:43:26

End at: 2018-08-21 21:43:56

Local clock offset: 0.464 ms

Remote clock offset: -0.837 ms

# Below is generated by plot.py at 2018-08-21 22:54:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 50.515 ms

Loss rate: 0.79%

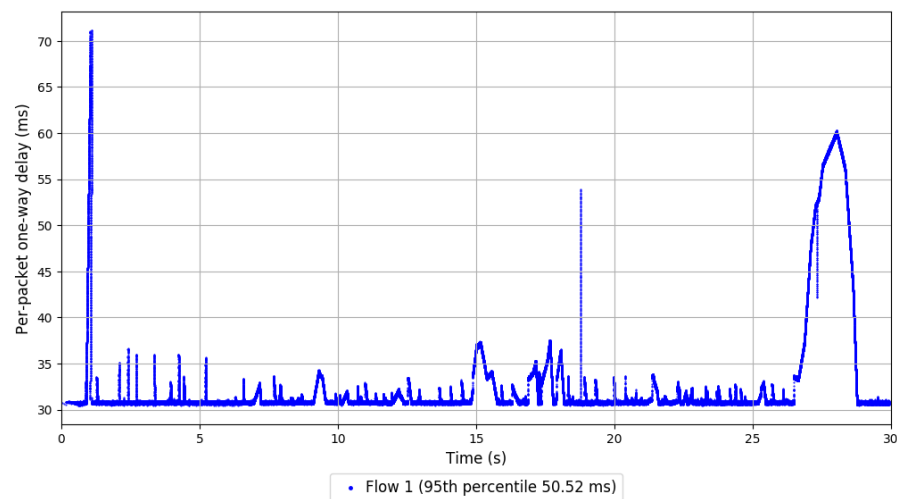
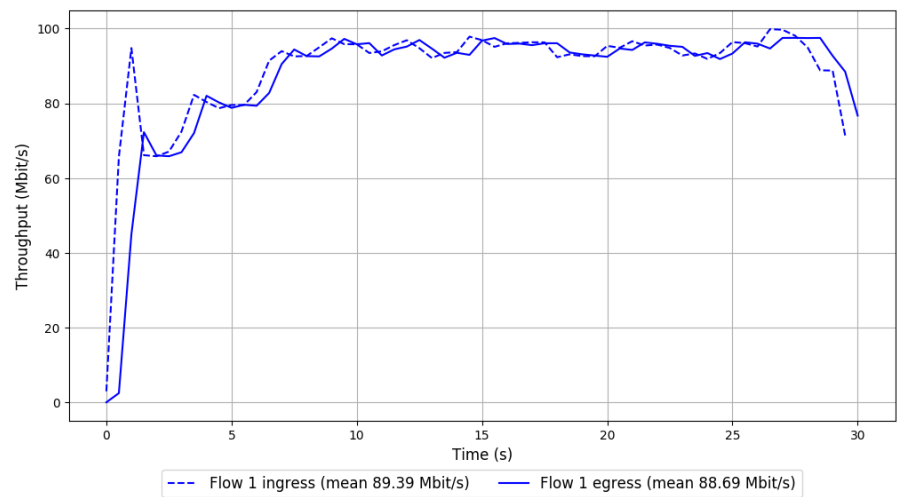
-- Flow 1:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 50.515 ms

Loss rate: 0.79%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-21 22:05:38

End at: 2018-08-21 22:06:08

Local clock offset: 0.096 ms

Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-08-21 22:55:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 56.202 ms

Loss rate: 0.75%

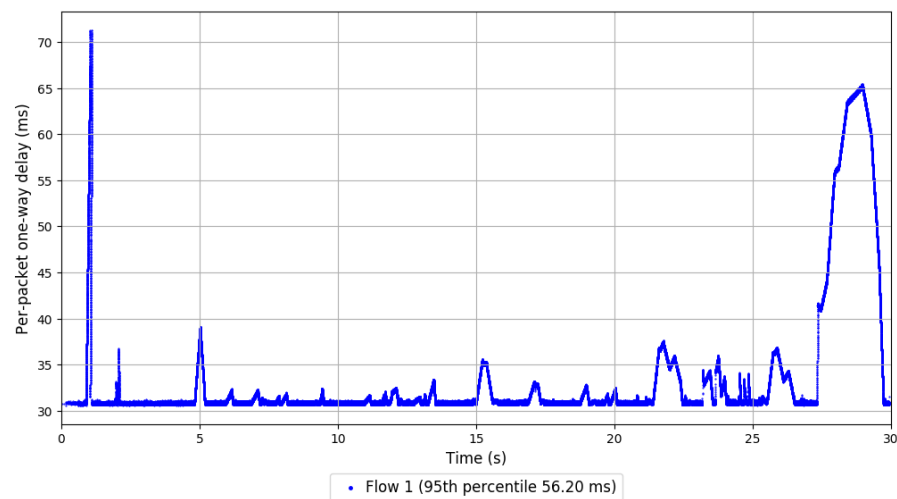
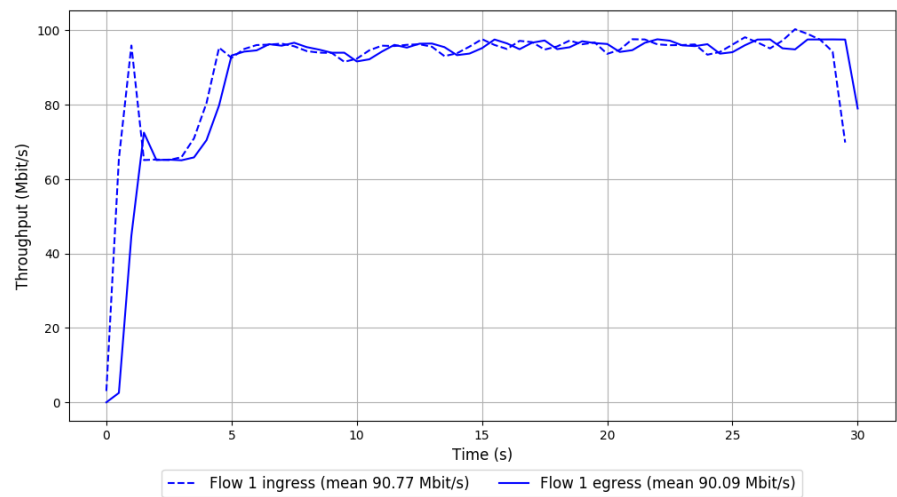
-- Flow 1:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 56.202 ms

Loss rate: 0.75%

Run 9: Report of PCC-Allegro — Data Link

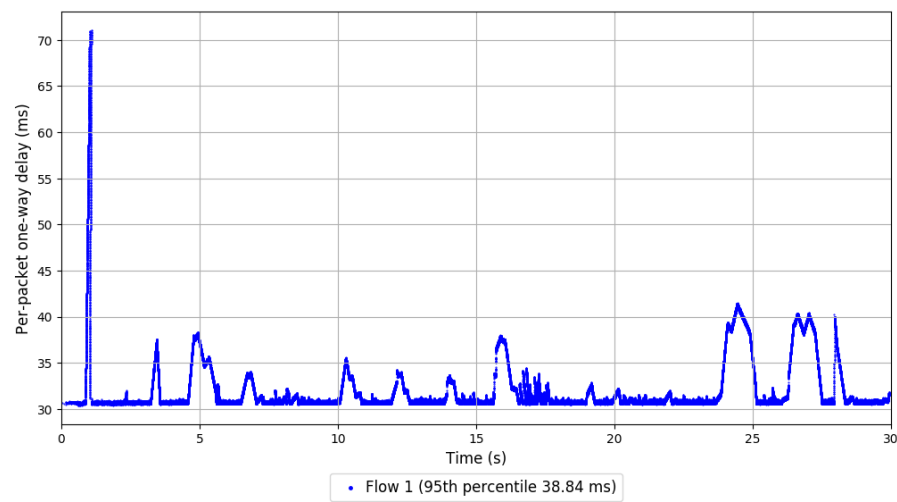
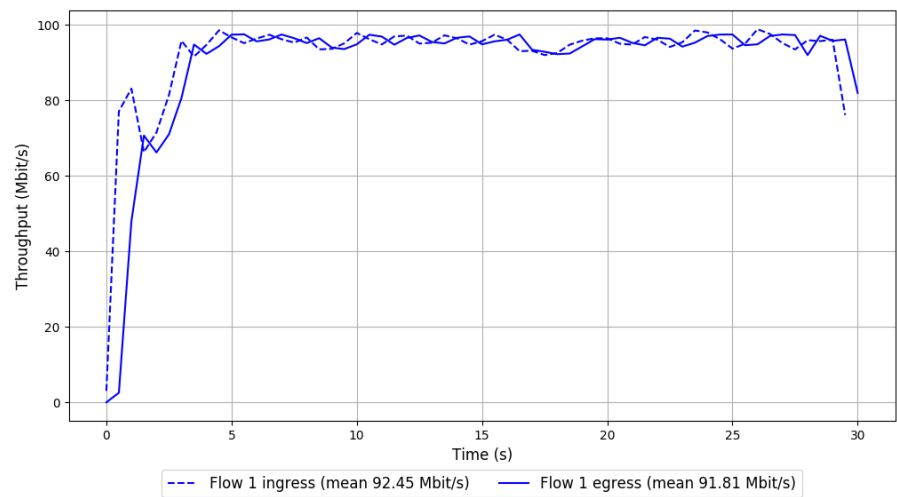


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-21 22:28:01  
End at: 2018-08-21 22:28:31  
Local clock offset: 0.119 ms  
Remote clock offset: -0.471 ms

# Below is generated by plot.py at 2018-08-21 22:55:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.81 Mbit/s  
95th percentile per-packet one-way delay: 38.845 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 91.81 Mbit/s  
95th percentile per-packet one-way delay: 38.845 ms  
Loss rate: 0.69%

Run 10: Report of PCC-Allegro — Data Link



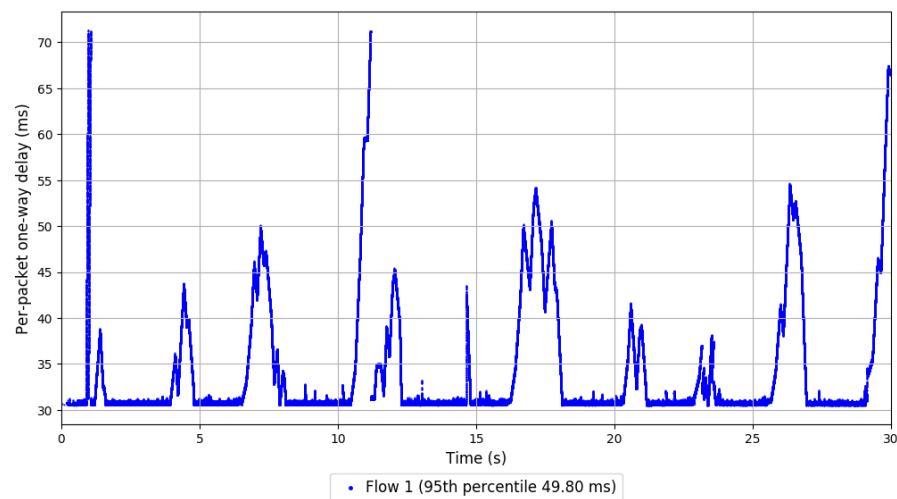
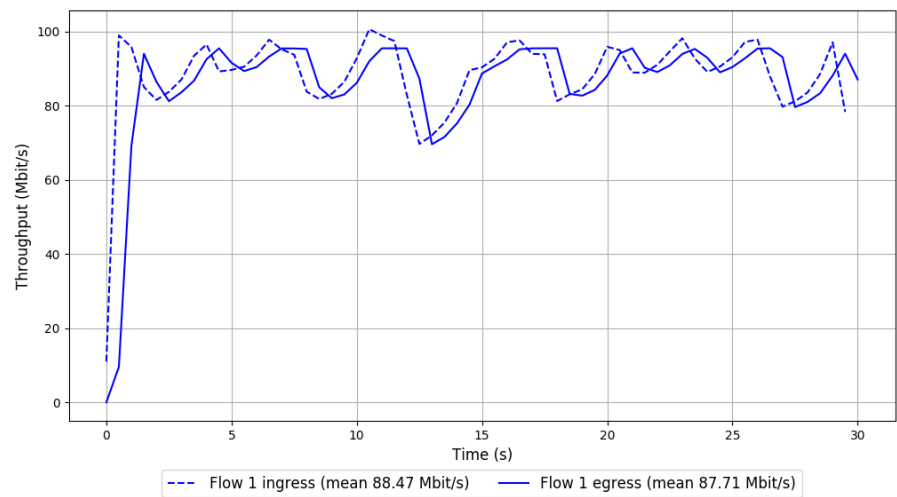
Run 1: Statistics of PCC-Expr

Start at: 2018-08-21 18:58:21  
End at: 2018-08-21 18:58:51  
Local clock offset: -8.327 ms  
Remote clock offset: -0.945 ms

# Below is generated by plot.py at 2018-08-21 22:56:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.71 Mbit/s  
95th percentile per-packet one-way delay: 49.796 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 87.71 Mbit/s  
95th percentile per-packet one-way delay: 49.796 ms  
Loss rate: 0.74%



Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-21 19:20:32

End at: 2018-08-21 19:21:02

Local clock offset: -4.36 ms

Remote clock offset: -0.79 ms

# Below is generated by plot.py at 2018-08-21 22:56:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 60.885 ms

Loss rate: 1.06%

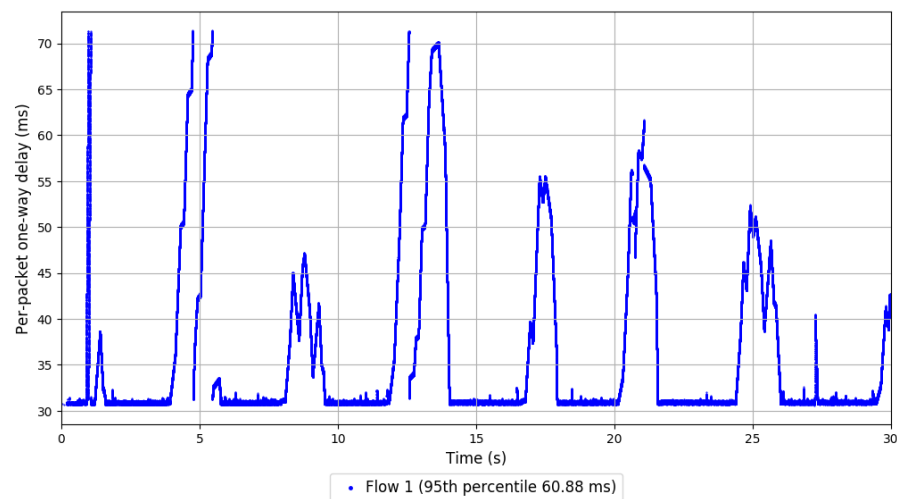
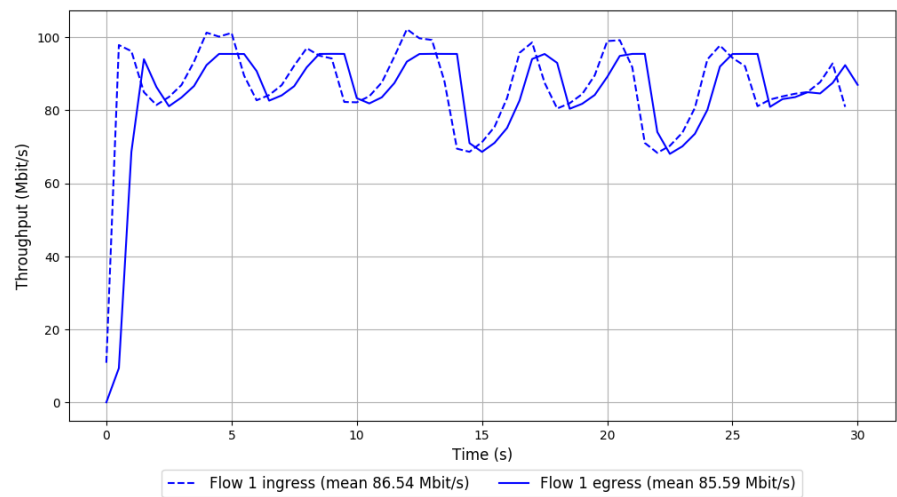
-- Flow 1:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 60.885 ms

Loss rate: 1.06%

Run 2: Report of PCC-Expr — Data Link

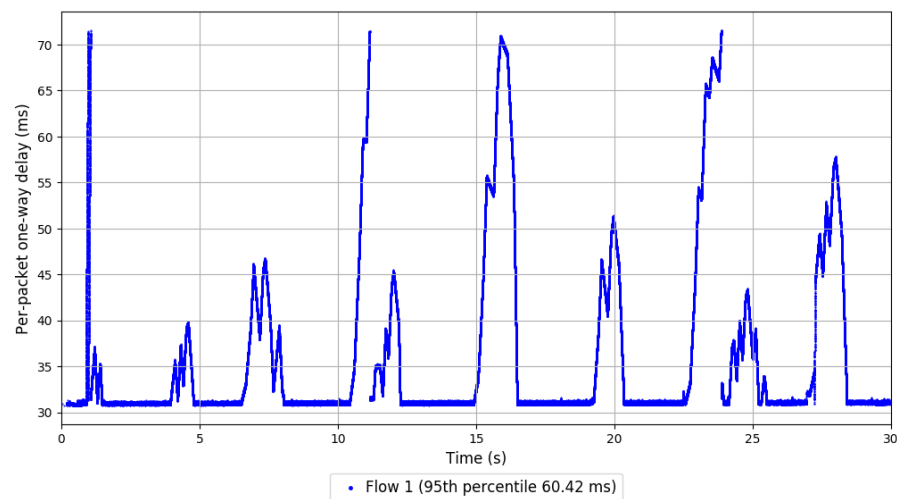
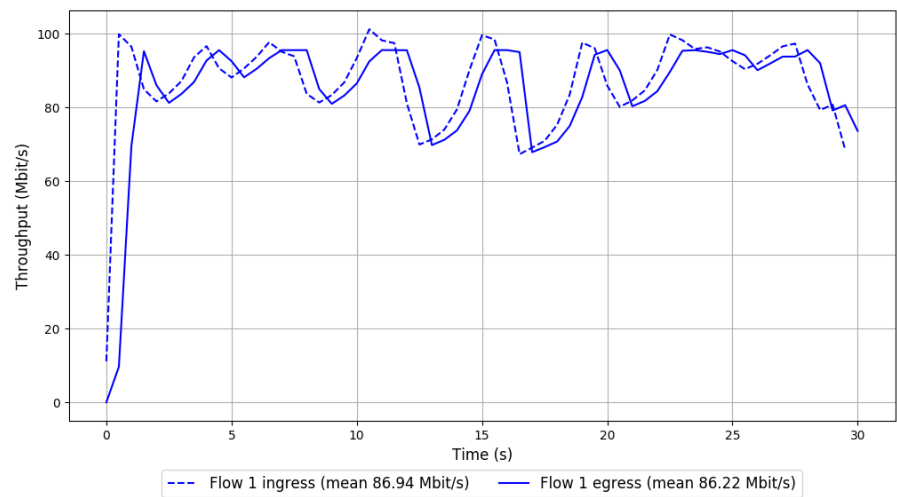


Run 3: Statistics of PCC-Expr

Start at: 2018-08-21 19:42:53  
End at: 2018-08-21 19:43:23  
Local clock offset: -3.511 ms  
Remote clock offset: -0.988 ms

# Below is generated by plot.py at 2018-08-21 22:56:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.22 Mbit/s  
95th percentile per-packet one-way delay: 60.424 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 86.22 Mbit/s  
95th percentile per-packet one-way delay: 60.424 ms  
Loss rate: 0.83%

Run 3: Report of PCC-Expr — Data Link

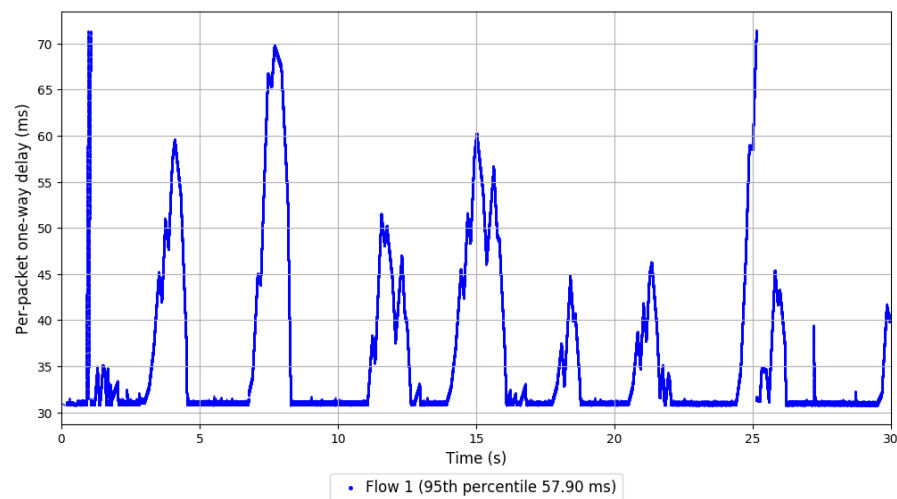
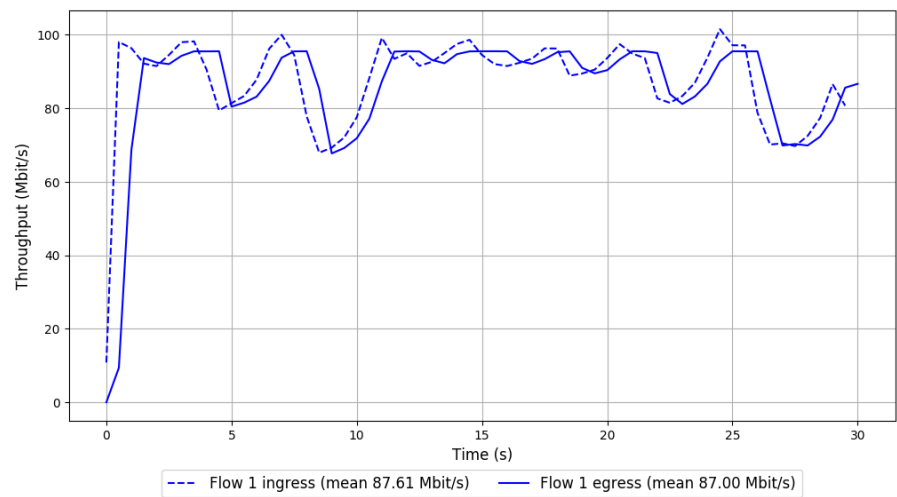


Run 4: Statistics of PCC-Expr

Start at: 2018-08-21 20:05:09  
End at: 2018-08-21 20:05:39  
Local clock offset: -2.84 ms  
Remote clock offset: -0.401 ms

# Below is generated by plot.py at 2018-08-21 22:56:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.00 Mbit/s  
95th percentile per-packet one-way delay: 57.902 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 87.00 Mbit/s  
95th percentile per-packet one-way delay: 57.902 ms  
Loss rate: 0.66%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-21 20:27:24

End at: 2018-08-21 20:27:54

Local clock offset: -4.623 ms

Remote clock offset: -0.574 ms

# Below is generated by plot.py at 2018-08-21 22:56:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 61.311 ms

Loss rate: 0.68%

-- Flow 1:

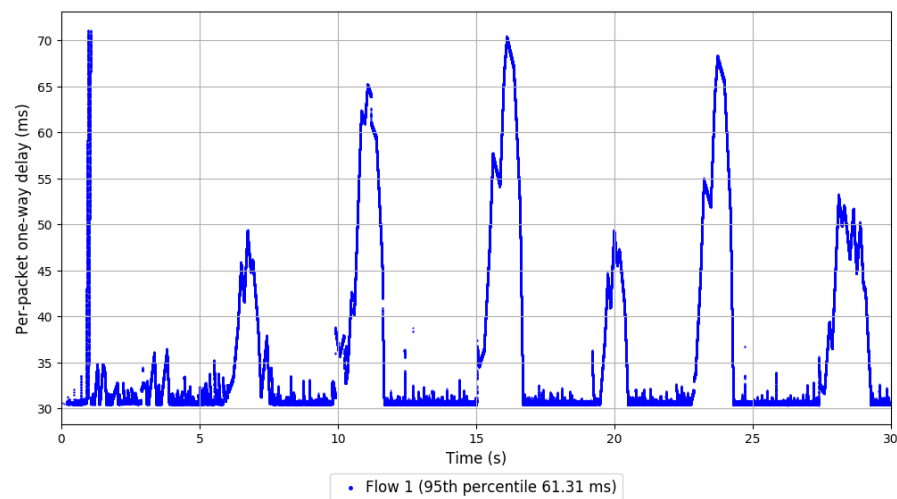
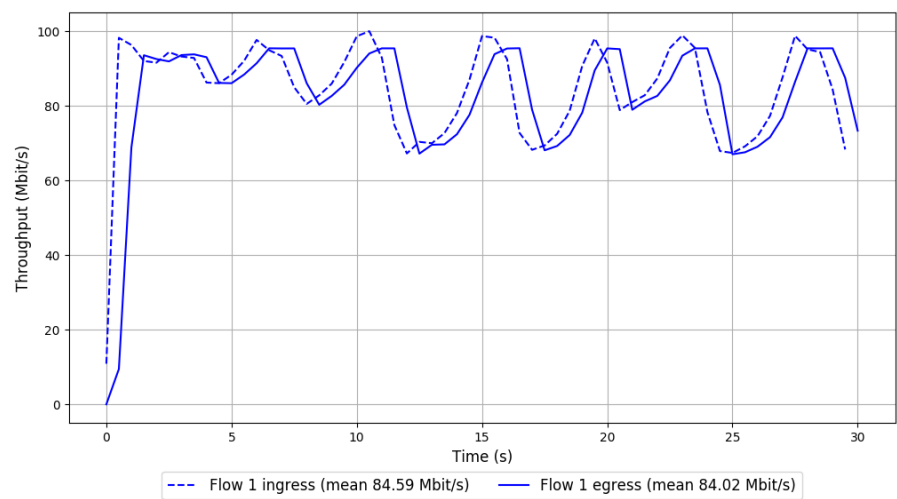
Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 61.311 ms

Loss rate: 0.68%



Run 5: Report of PCC-Expr — Data Link

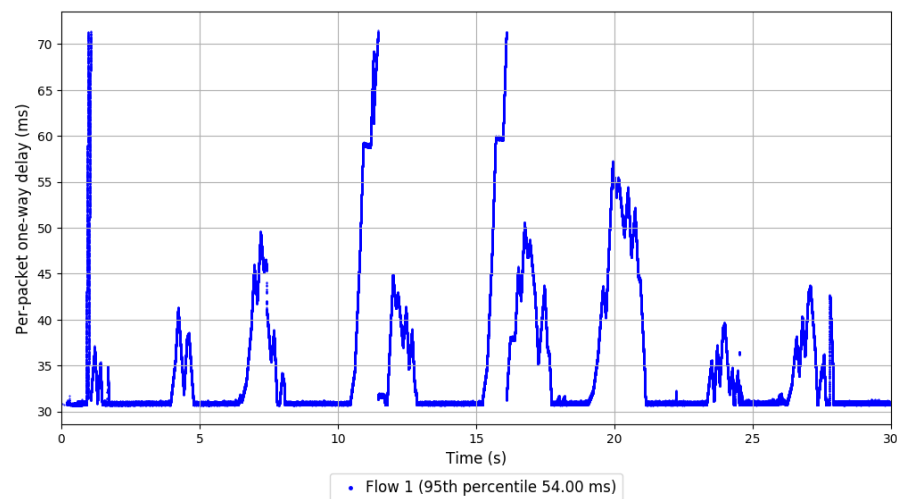
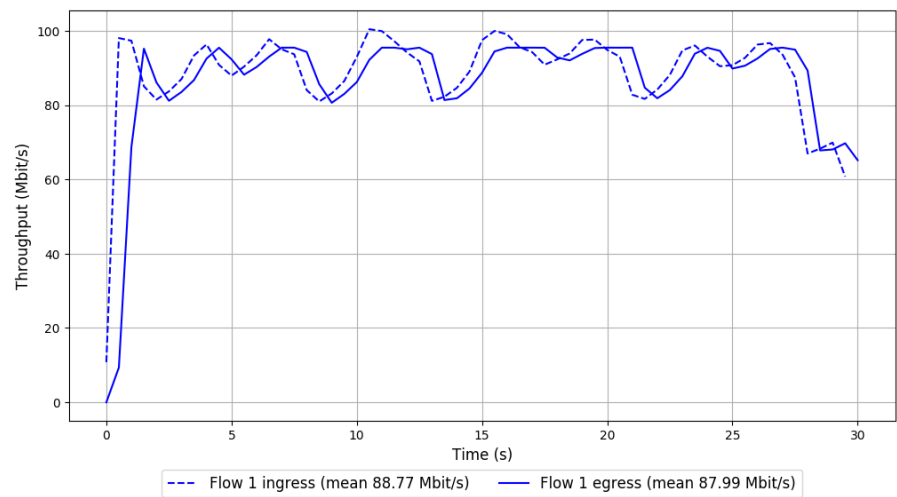


Run 6: Statistics of PCC-Expr

Start at: 2018-08-21 20:49:38  
End at: 2018-08-21 20:50:08  
Local clock offset: -3.888 ms  
Remote clock offset: -0.552 ms

# Below is generated by plot.py at 2018-08-21 22:56:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.99 Mbit/s  
95th percentile per-packet one-way delay: 53.996 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 87.99 Mbit/s  
95th percentile per-packet one-way delay: 53.996 ms  
Loss rate: 0.88%

Run 6: Report of PCC-Expr — Data Link

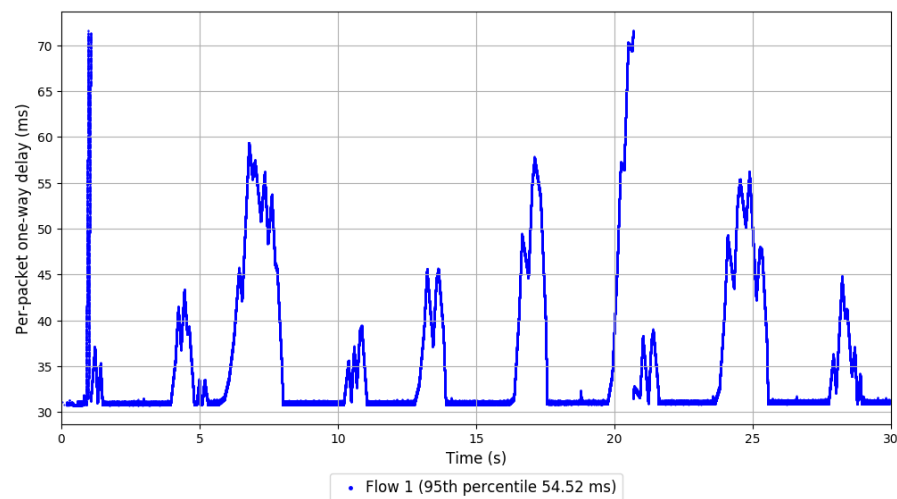
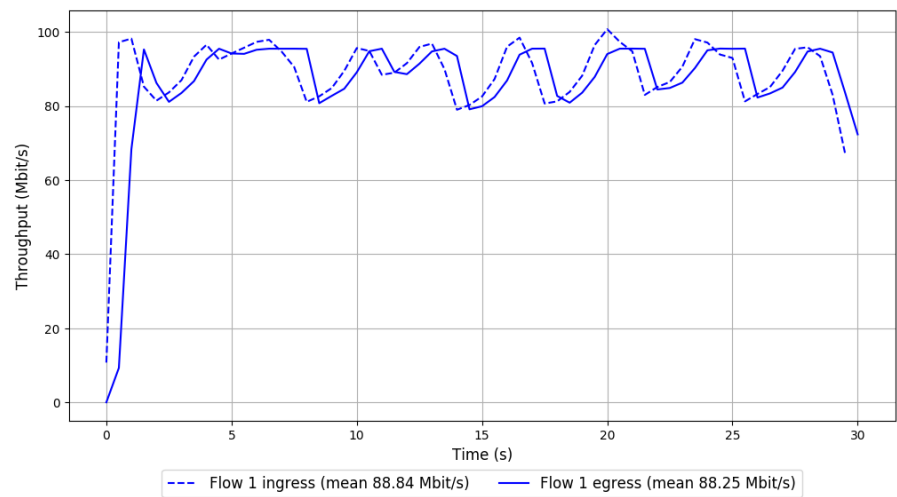


Run 7: Statistics of PCC-Expr

Start at: 2018-08-21 21:11:51  
End at: 2018-08-21 21:12:21  
Local clock offset: -2.187 ms  
Remote clock offset: -0.664 ms

# Below is generated by plot.py at 2018-08-21 22:57:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.25 Mbit/s  
95th percentile per-packet one-way delay: 54.523 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 88.25 Mbit/s  
95th percentile per-packet one-way delay: 54.523 ms  
Loss rate: 0.67%

Run 7: Report of PCC-Expr — Data Link

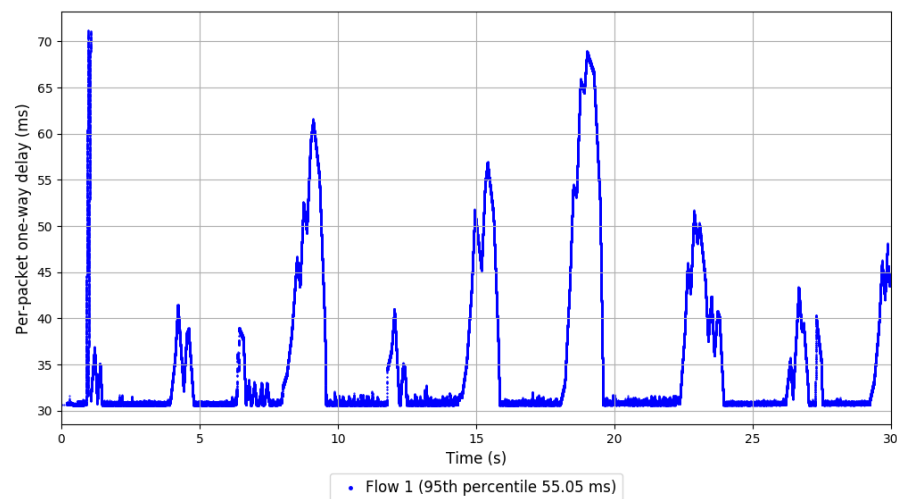
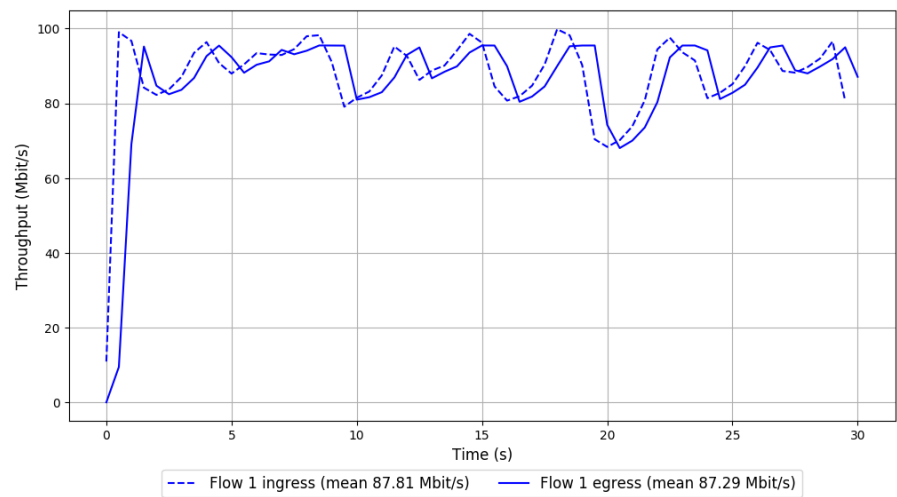


Run 8: Statistics of PCC-Expr

Start at: 2018-08-21 21:34:08  
End at: 2018-08-21 21:34:38  
Local clock offset: 0.657 ms  
Remote clock offset: -0.892 ms

# Below is generated by plot.py at 2018-08-21 22:57:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.29 Mbit/s  
95th percentile per-packet one-way delay: 55.048 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 87.29 Mbit/s  
95th percentile per-packet one-way delay: 55.048 ms  
Loss rate: 0.55%

Run 8: Report of PCC-Expr — Data Link



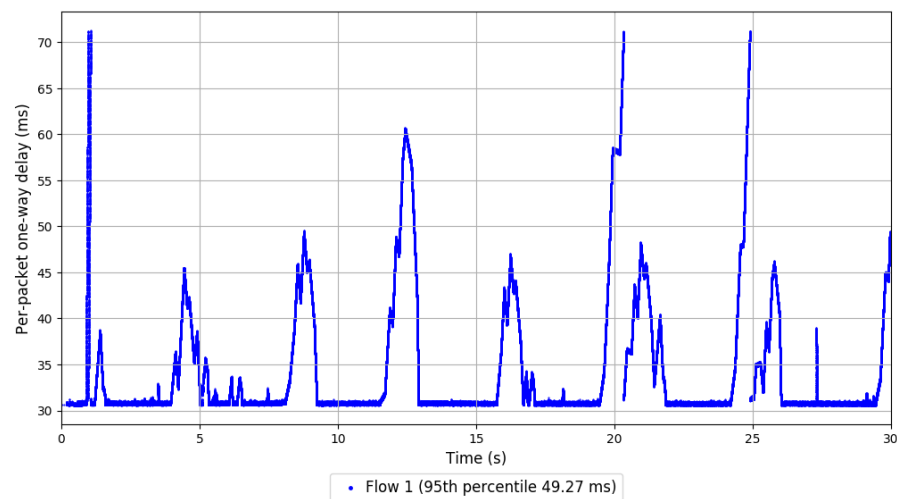
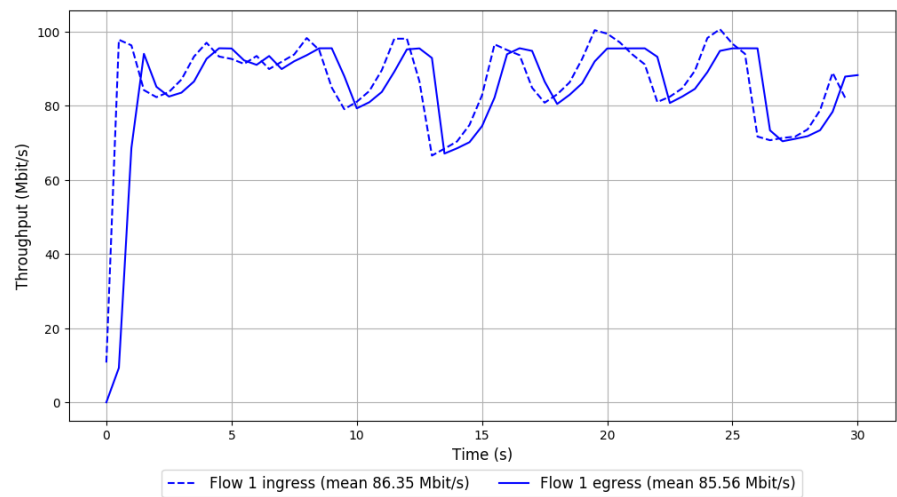
Run 9: Statistics of PCC-Expr

Start at: 2018-08-21 21:56:23  
End at: 2018-08-21 21:56:53  
Local clock offset: 0.219 ms  
Remote clock offset: -0.331 ms

# Below is generated by plot.py at 2018-08-21 22:58:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.56 Mbit/s  
95th percentile per-packet one-way delay: 49.274 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 85.56 Mbit/s  
95th percentile per-packet one-way delay: 49.274 ms  
Loss rate: 0.85%



Run 9: Report of PCC-Expr — Data Link

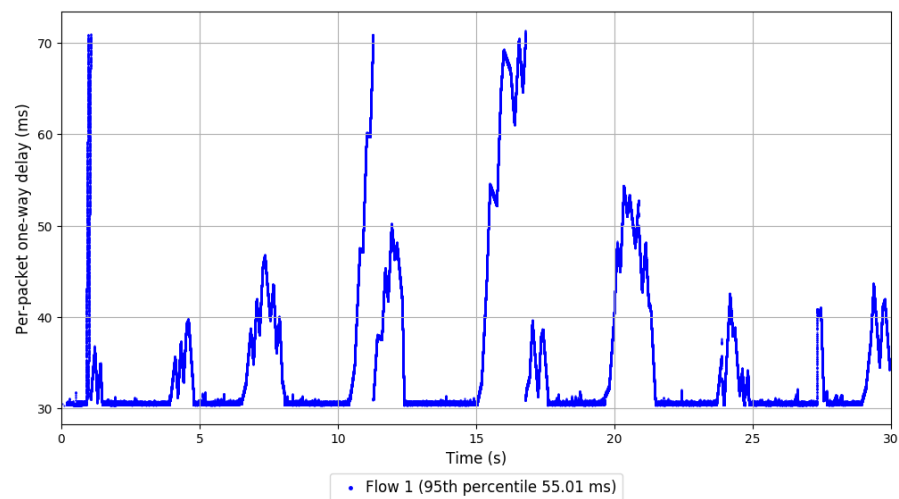
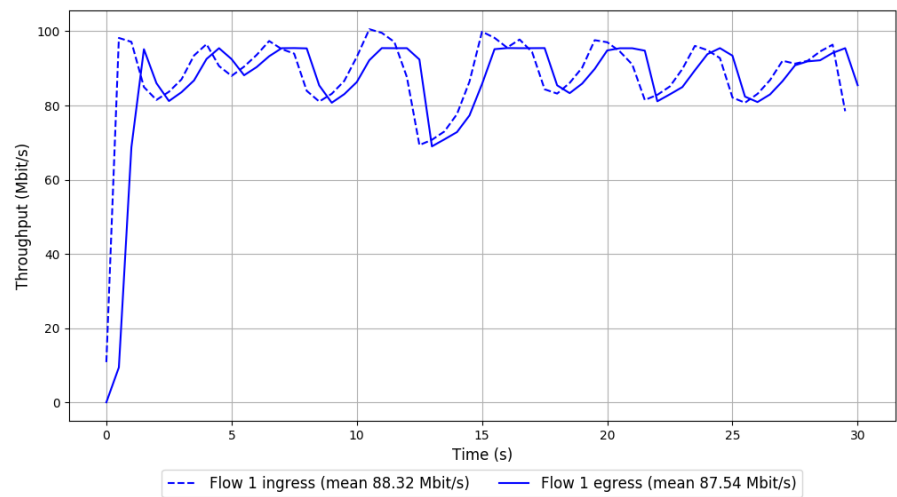


Run 10: Statistics of PCC-Expr

Start at: 2018-08-21 22:18:45  
End at: 2018-08-21 22:19:16  
Local clock offset: 0.141 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-08-21 22:58:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.54 Mbit/s  
95th percentile per-packet one-way delay: 55.008 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 87.54 Mbit/s  
95th percentile per-packet one-way delay: 55.008 ms  
Loss rate: 0.86%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

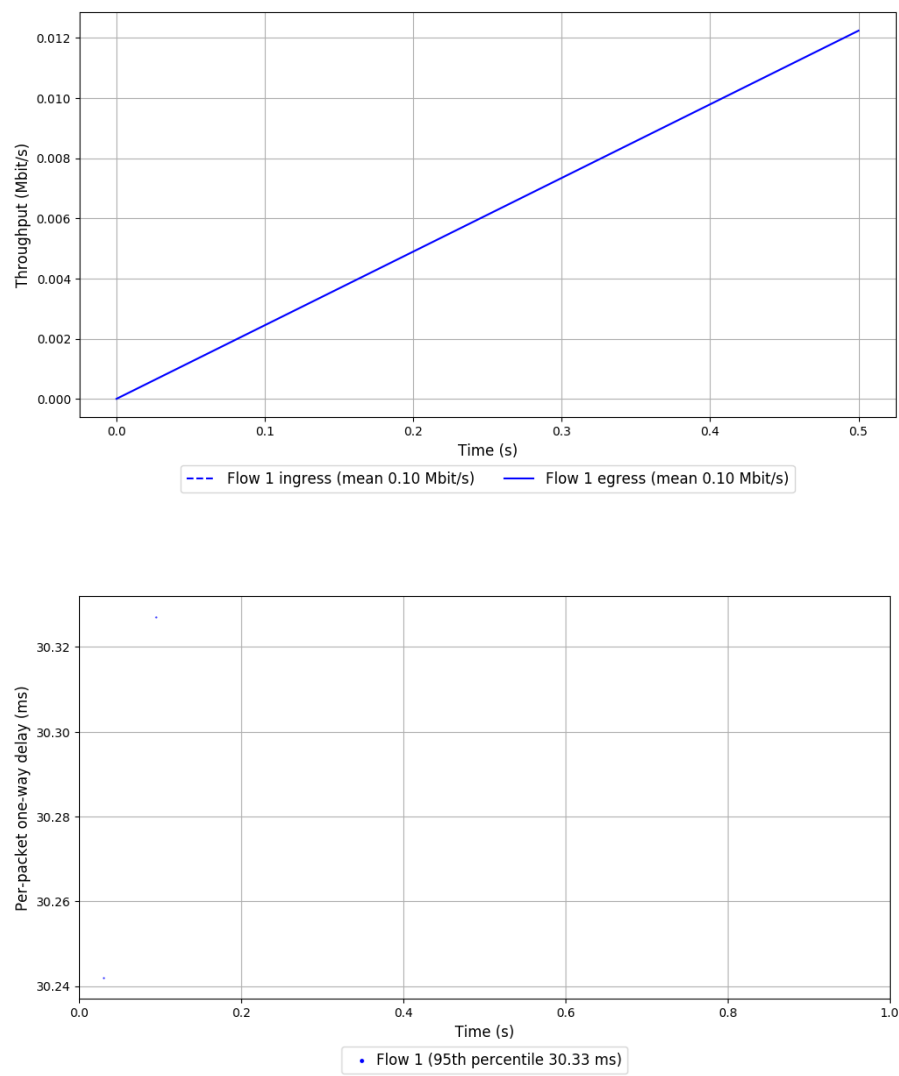
Start at: 2018-08-21 19:02:19

End at: 2018-08-21 19:02:49

Local clock offset: -9.089 ms

Remote clock offset: -1.166 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-21 19:24:32

End at: 2018-08-21 19:25:02

Local clock offset: -4.294 ms

Remote clock offset: -0.638 ms

# Below is generated by plot.py at 2018-08-21 22:58:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 66.356 ms

Loss rate: 1.06%

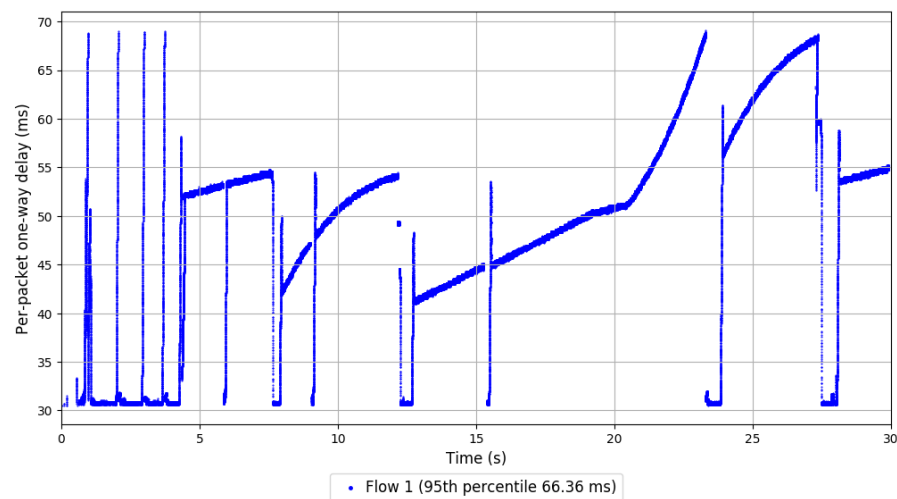
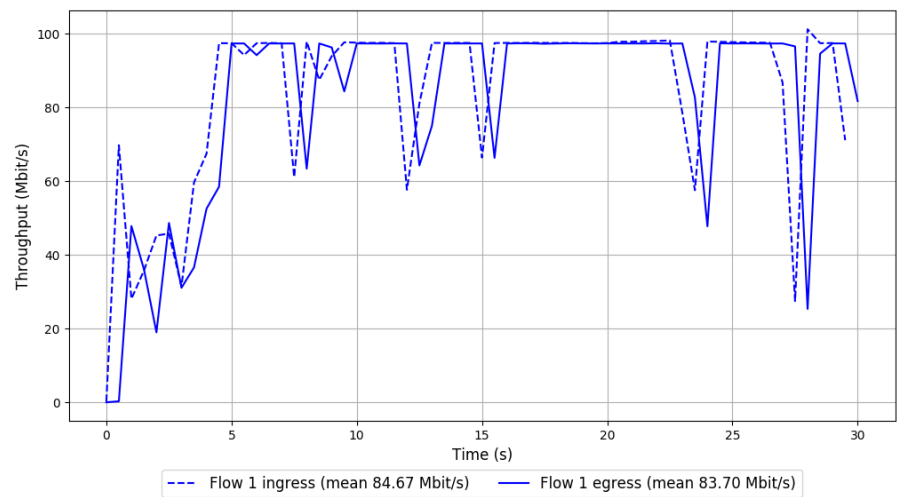
-- Flow 1:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 66.356 ms

Loss rate: 1.06%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-21 19:46:52

End at: 2018-08-21 19:47:22

Local clock offset: -2.737 ms

Remote clock offset: -0.686 ms

# Below is generated by plot.py at 2018-08-21 22:58:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 65.738 ms

Loss rate: 1.70%

-- Flow 1:

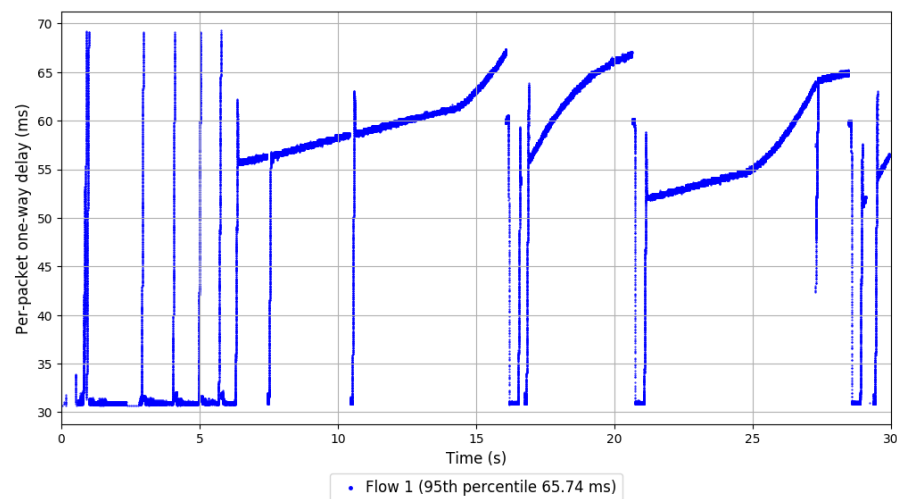
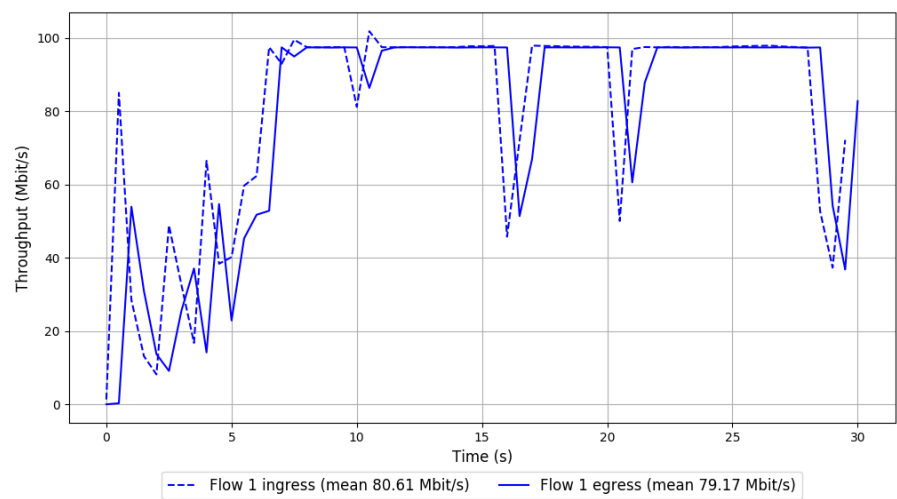
Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 65.738 ms

Loss rate: 1.70%



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-21 20:09:07

End at: 2018-08-21 20:09:37

Local clock offset: -3.15 ms

Remote clock offset: -0.586 ms

# Below is generated by plot.py at 2018-08-21 22:58:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.52 Mbit/s

95th percentile per-packet one-way delay: 60.367 ms

Loss rate: 1.68%

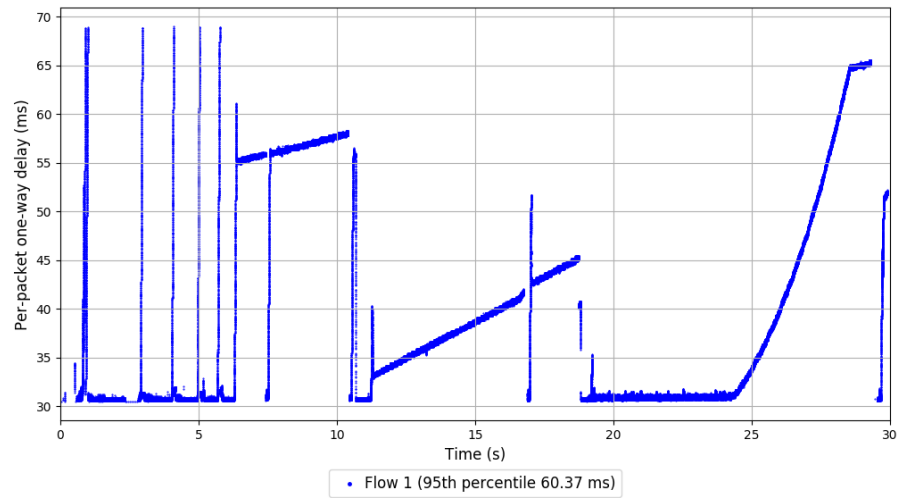
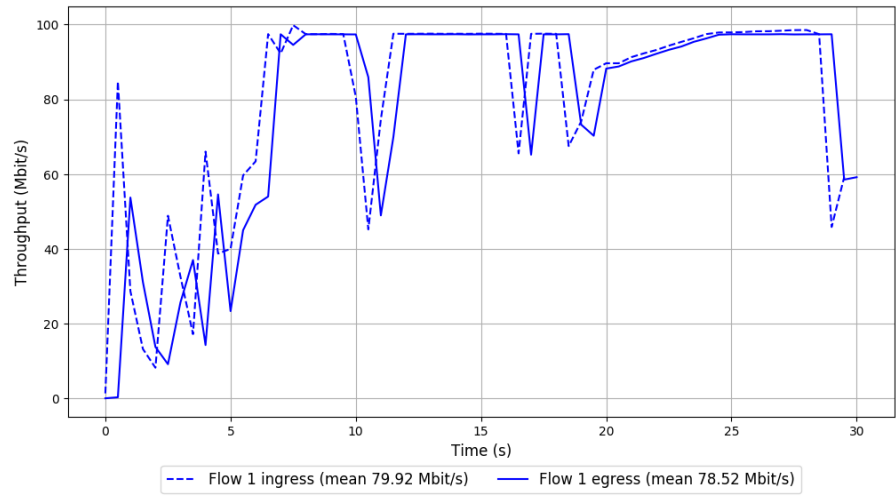
-- Flow 1:

Average throughput: 78.52 Mbit/s

95th percentile per-packet one-way delay: 60.367 ms

Loss rate: 1.68%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-21 20:31:22

End at: 2018-08-21 20:31:52

Local clock offset: -5.074 ms

Remote clock offset: -0.348 ms

# Below is generated by plot.py at 2018-08-21 22:58:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.08 Mbit/s

95th percentile per-packet one-way delay: 62.567 ms

Loss rate: 0.81%

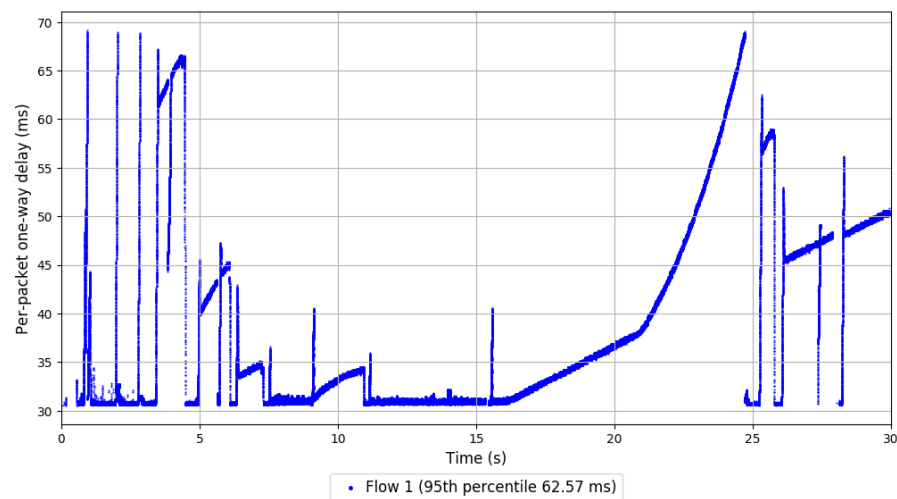
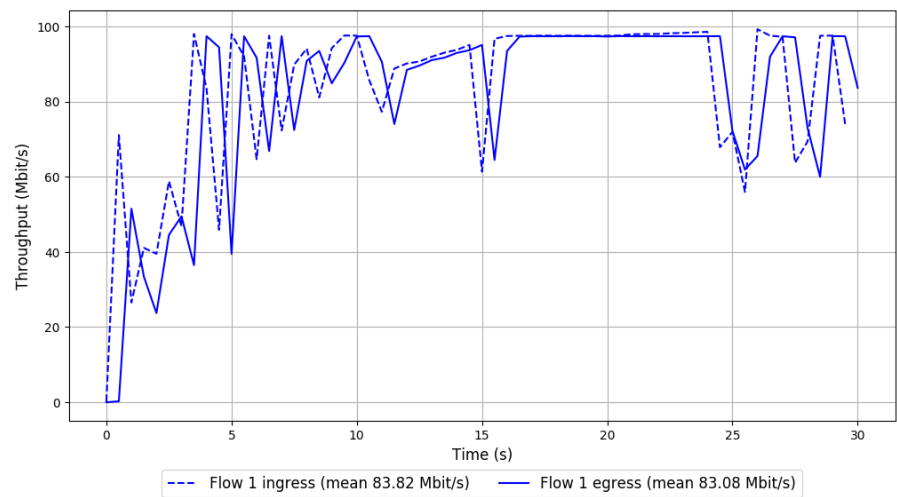
-- Flow 1:

Average throughput: 83.08 Mbit/s

95th percentile per-packet one-way delay: 62.567 ms

Loss rate: 0.81%

Run 5: Report of QUIC Cubic — Data Link

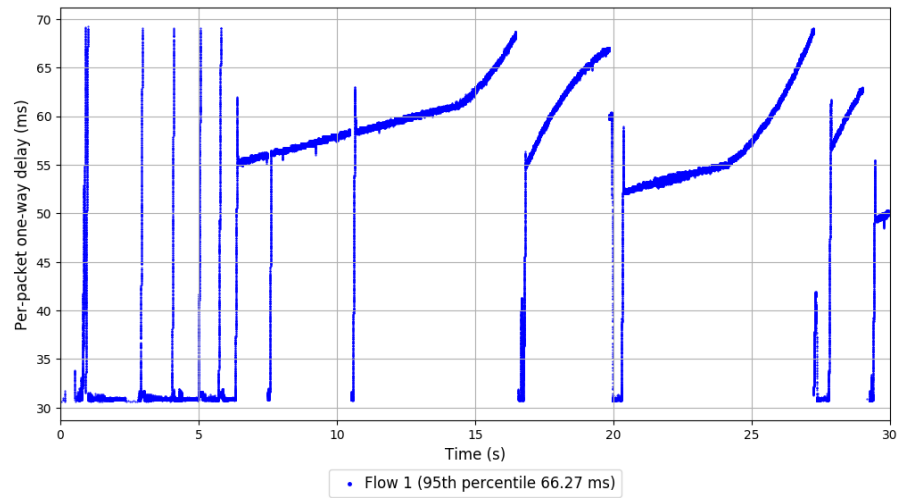
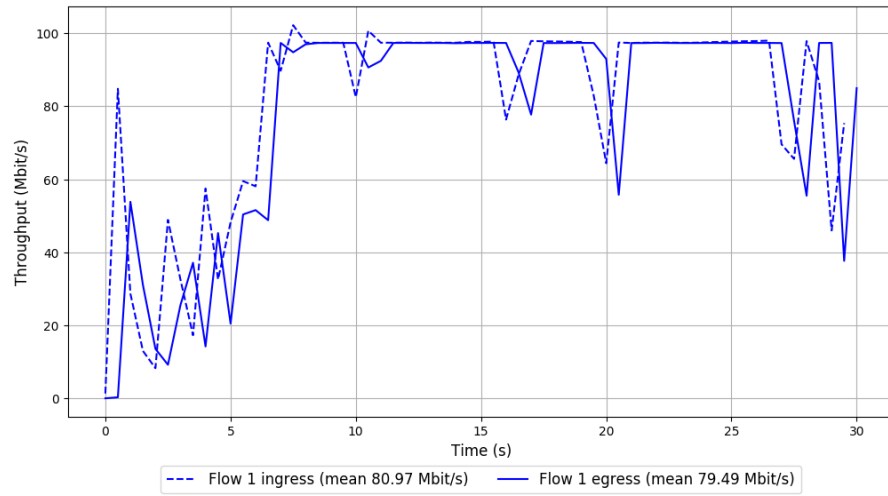


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-21 20:53:35  
End at: 2018-08-21 20:54:05  
Local clock offset: -3.899 ms  
Remote clock offset: -0.579 ms

# Below is generated by plot.py at 2018-08-21 22:58:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.49 Mbit/s  
95th percentile per-packet one-way delay: 66.265 ms  
Loss rate: 1.77%  
-- Flow 1:  
Average throughput: 79.49 Mbit/s  
95th percentile per-packet one-way delay: 66.265 ms  
Loss rate: 1.77%

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



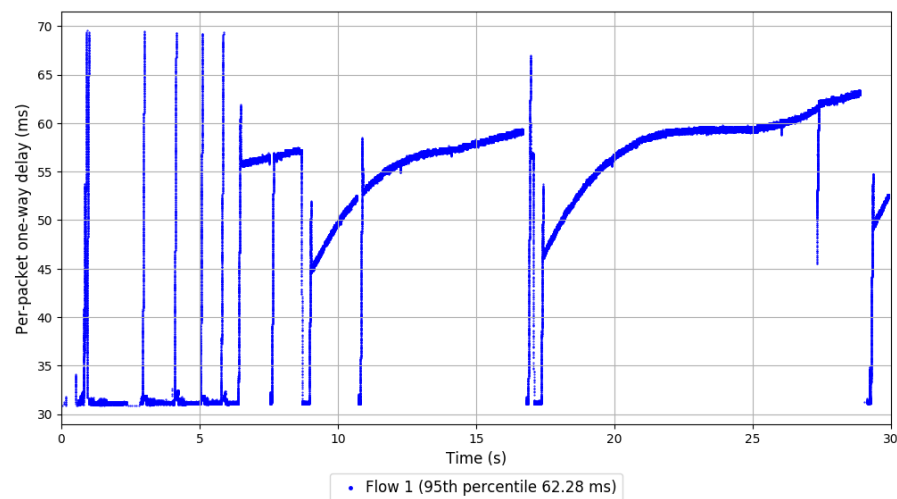
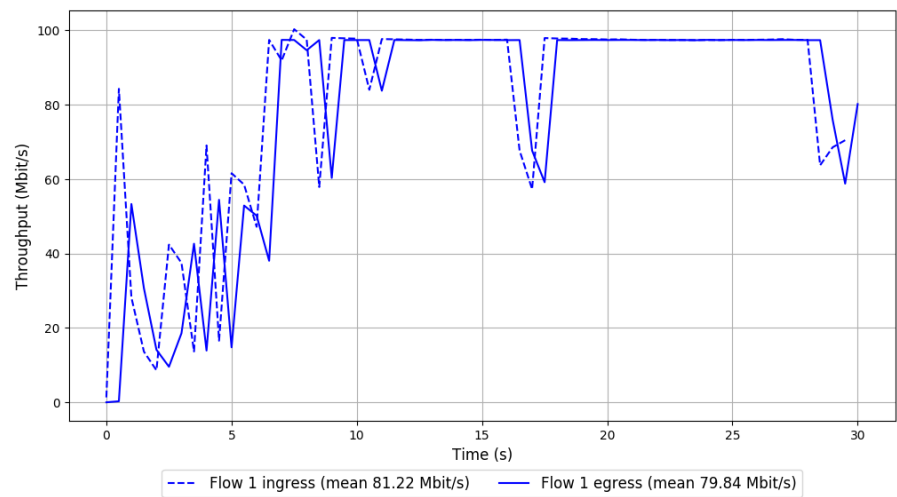
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-21 21:15:49  
End at: 2018-08-21 21:16:19  
Local clock offset: -1.275 ms  
Remote clock offset: -0.516 ms

# Below is generated by plot.py at 2018-08-21 22:58:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.84 Mbit/s  
95th percentile per-packet one-way delay: 62.283 ms  
Loss rate: 1.62%  
-- Flow 1:  
Average throughput: 79.84 Mbit/s  
95th percentile per-packet one-way delay: 62.283 ms  
Loss rate: 1.62%



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-21 21:38:07

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

Local clock offset: 0.619 ms

Remote clock offset: -1.033 ms

# Below is generated by plot.py at 2018-08-21 22:58:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 67.418 ms

Loss rate: 0.93%

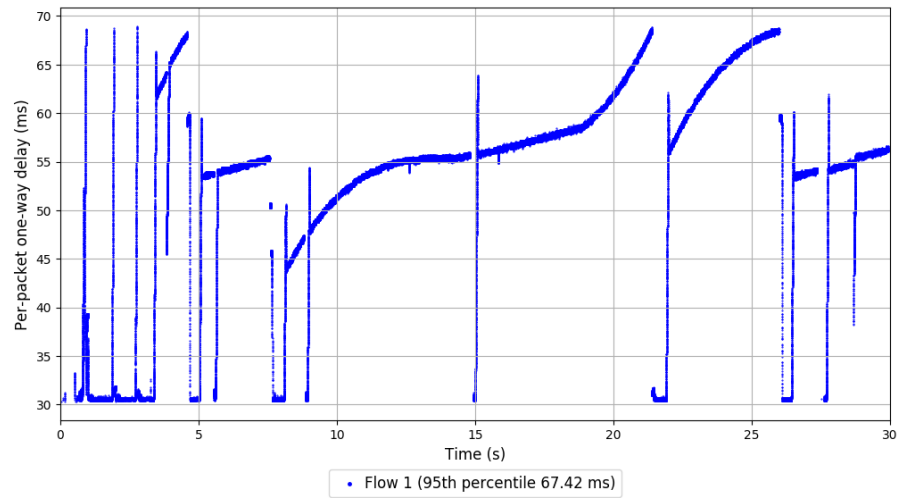
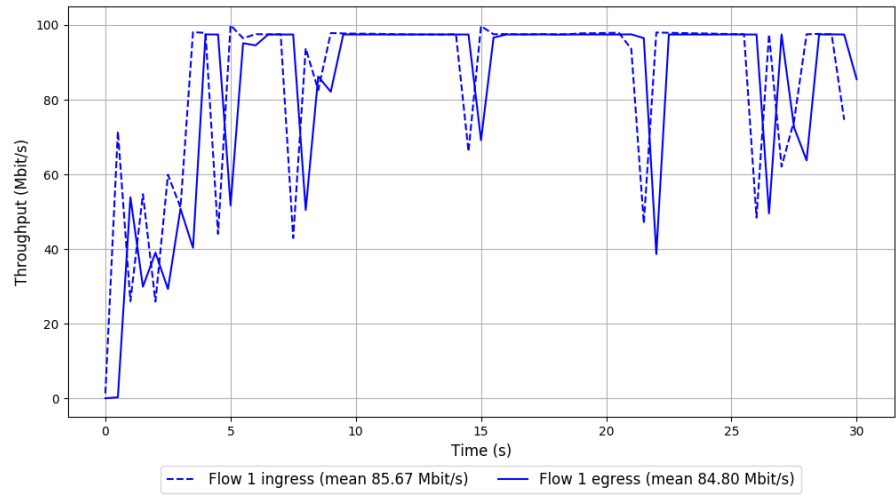
-- Flow 1:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 67.418 ms

Loss rate: 0.93%

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



Run 9: Statistics of QUIC Cubic

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

End at: 2018-08-21 22:00:51

Local clock offset: 0.165 ms

Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2018-08-21 22:58:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 62.006 ms

Loss rate: 0.95%

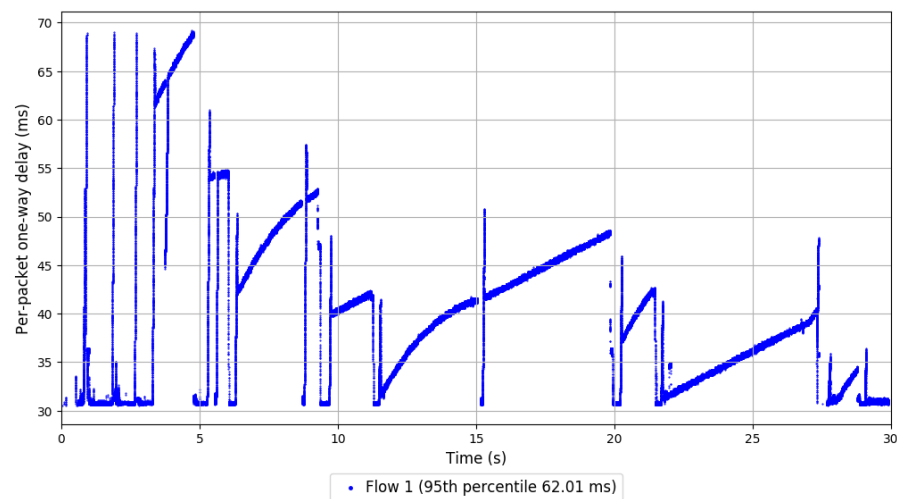
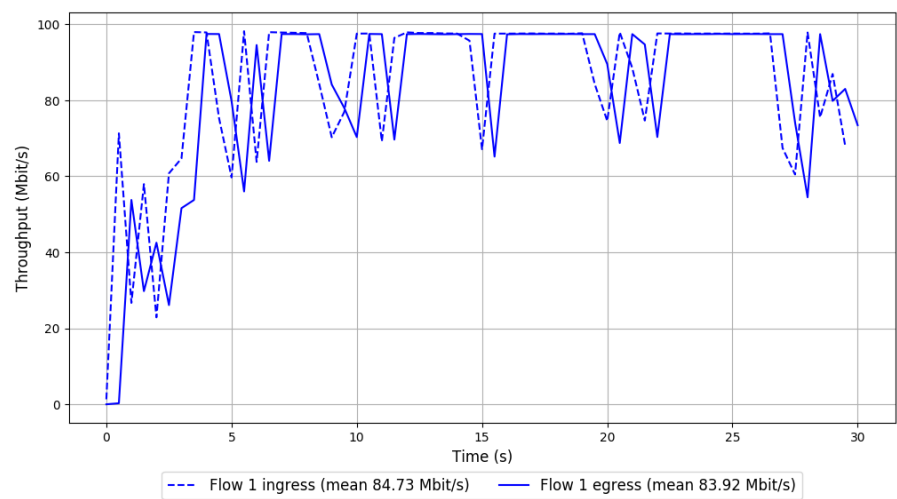
-- Flow 1:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 62.006 ms

Loss rate: 0.95%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: 2018-08-21 22:23:14

Local clock offset: 0.129 ms

Remote clock offset: 0.277 ms

# Below is generated by plot.py at 2018-08-21 22:58:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 67.424 ms

Loss rate: 1.88%

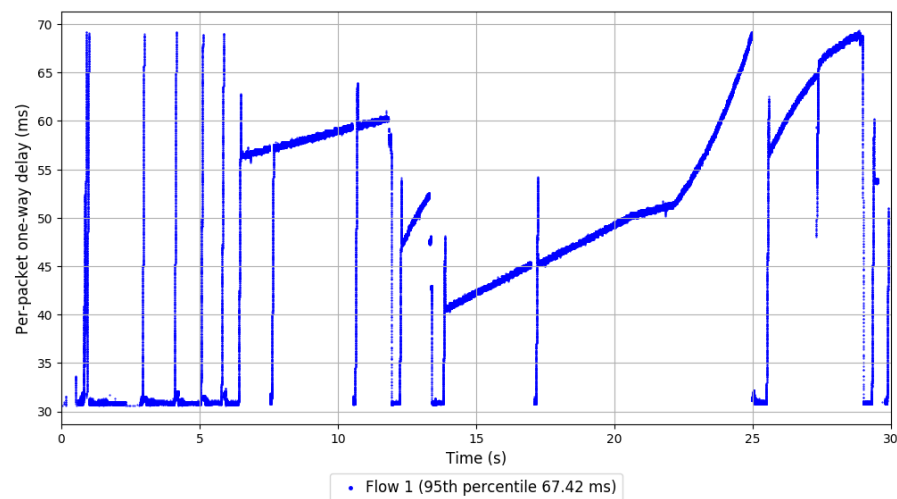
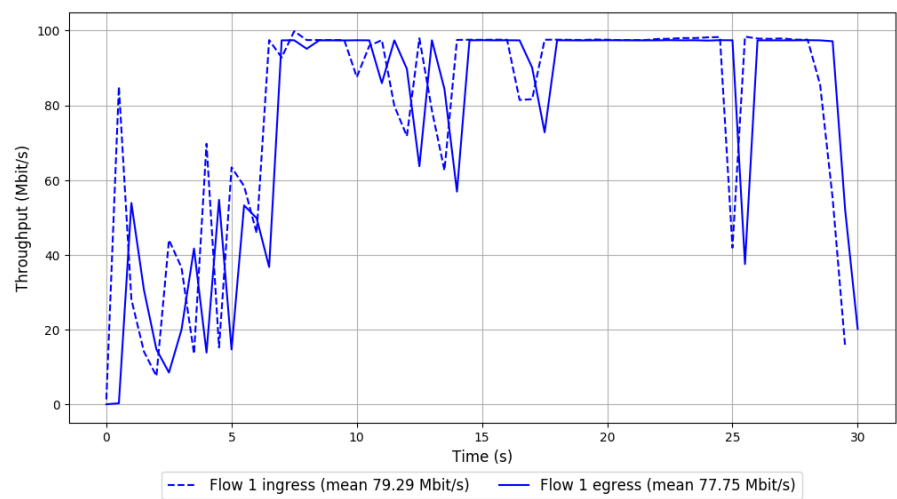
-- Flow 1:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 67.424 ms

Loss rate: 1.88%

Run 10: Report of QUIC Cubic — Data Link



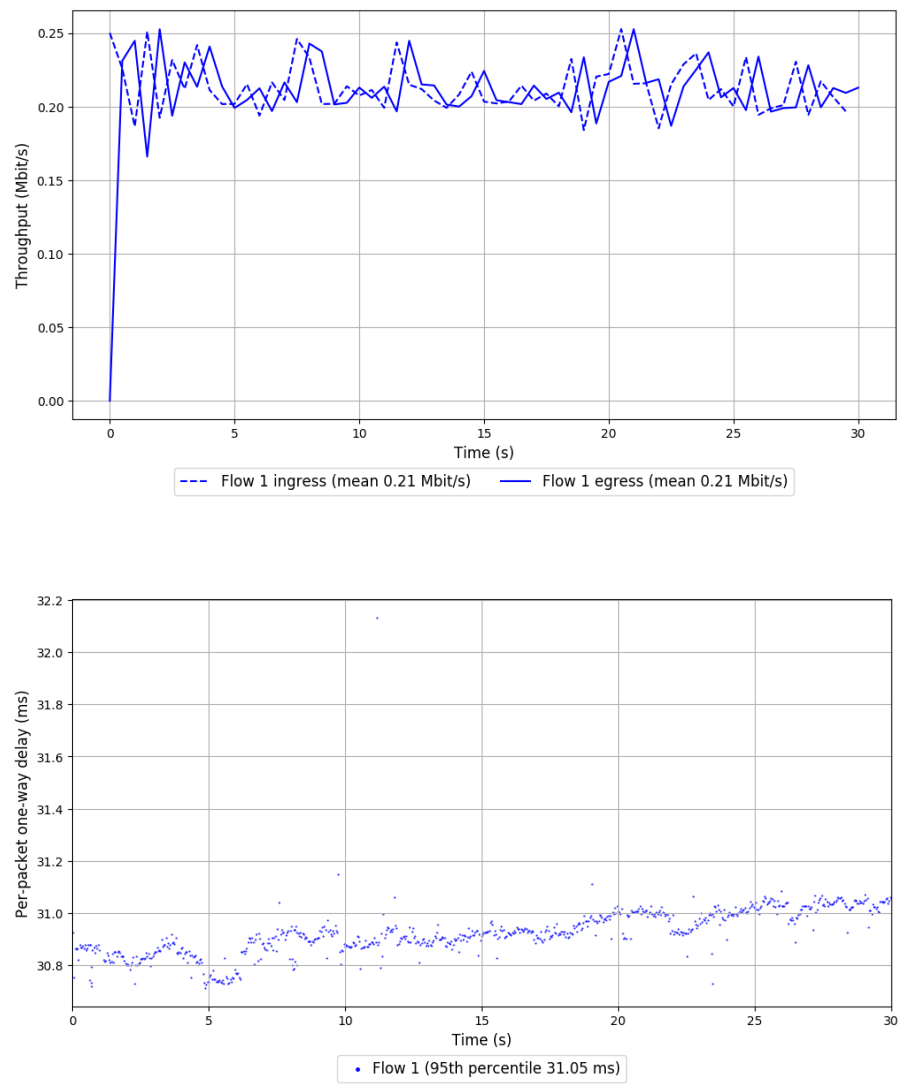
Run 1: Statistics of SCReAM

Start at: 2018-08-21 19:12:44  
End at: 2018-08-21 19:13:14  
Local clock offset: -6.287 ms  
Remote clock offset: -1.068 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.046 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.046 ms  
Loss rate: 0.00%



Run 1: Report of SReAM — Data Link

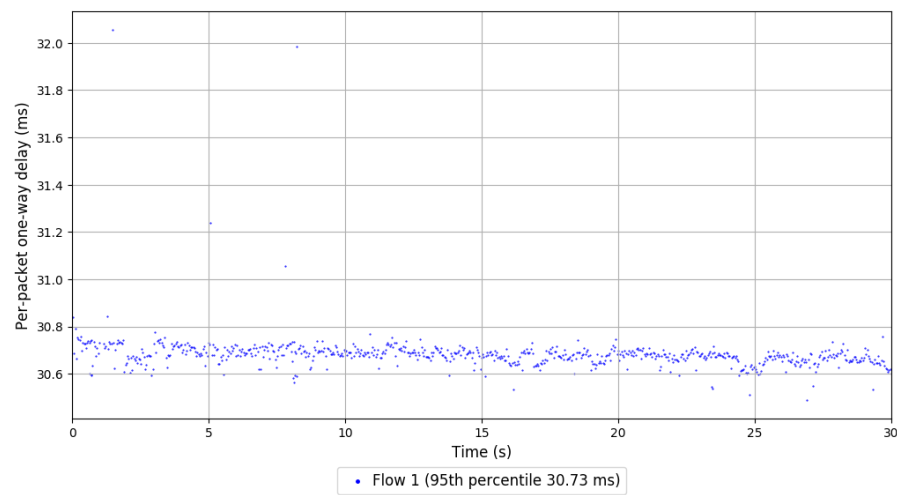
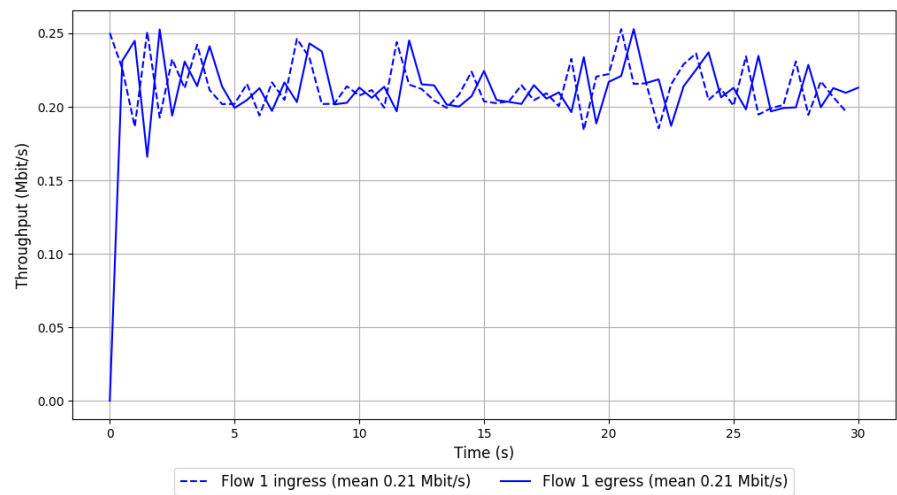


Run 2: Statistics of SCReAM

Start at: 2018-08-21 19:35:02  
End at: 2018-08-21 19:35:32  
Local clock offset: -5.279 ms  
Remote clock offset: -0.666 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.733 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.733 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

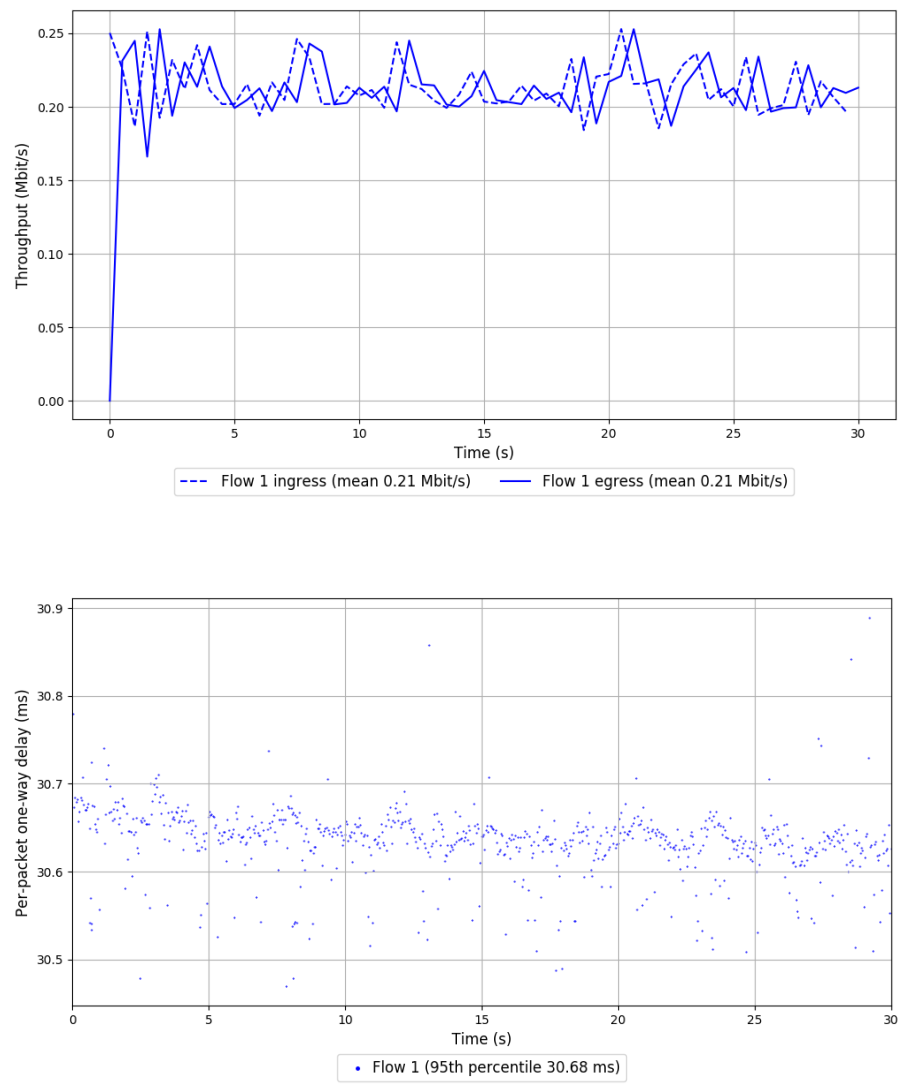


Run 3: Statistics of SCReAM

Start at: 2018-08-21 19:57:22  
End at: 2018-08-21 19:57:52  
Local clock offset: -2.466 ms  
Remote clock offset: -0.829 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.678 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.678 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

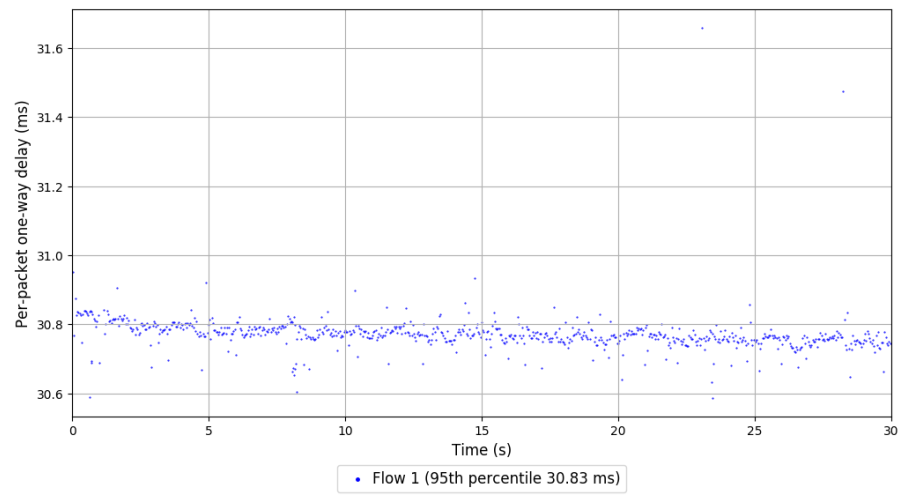
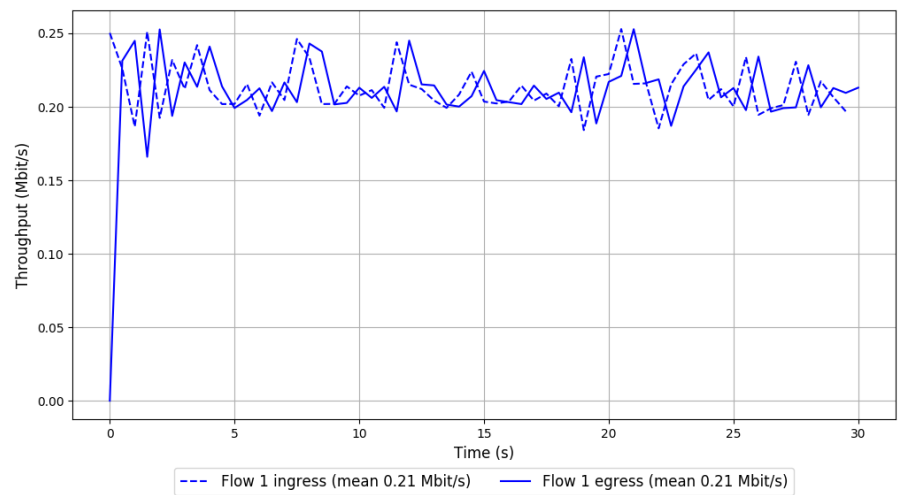


Run 4: Statistics of SCReAM

Start at: 2018-08-21 20:19:37  
End at: 2018-08-21 20:20:07  
Local clock offset: -3.926 ms  
Remote clock offset: -0.491 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.827 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.827 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



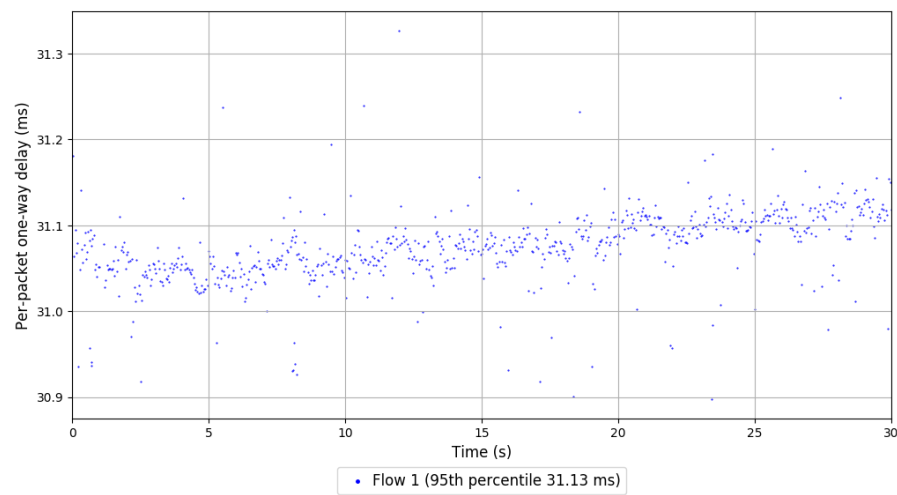
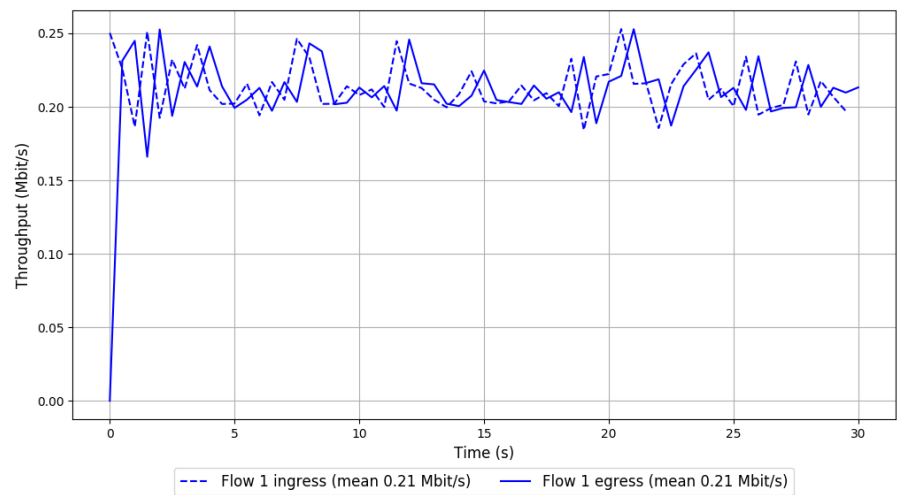
Run 5: Statistics of SCReAM

Start at: 2018-08-21 20:41:51  
End at: 2018-08-21 20:42:21  
Local clock offset: -4.65 ms  
Remote clock offset: -0.268 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.129 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.129 ms  
Loss rate: 0.00%



Run 5: Report of SReAM — Data Link

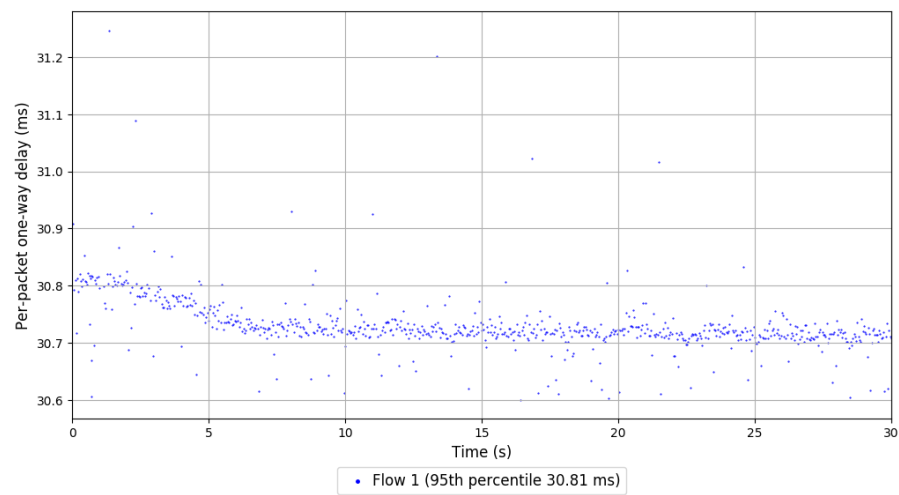
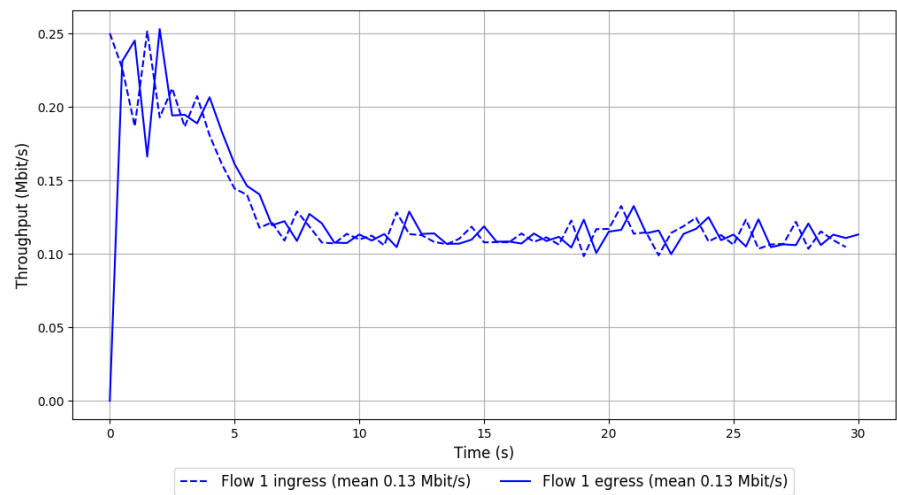


Run 6: Statistics of SCReAM

Start at: 2018-08-21 21:04:03  
End at: 2018-08-21 21:04:33  
Local clock offset: -4.004 ms  
Remote clock offset: -0.568 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.13 Mbit/s  
95th percentile per-packet one-way delay: 30.808 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 0.13 Mbit/s  
95th percentile per-packet one-way delay: 30.808 ms  
Loss rate: 0.23%

Run 6: Report of SReAM — Data Link

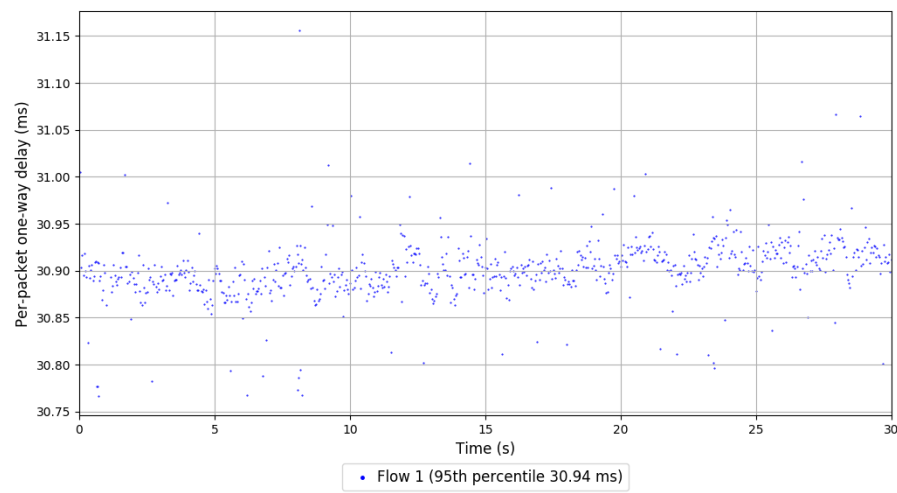
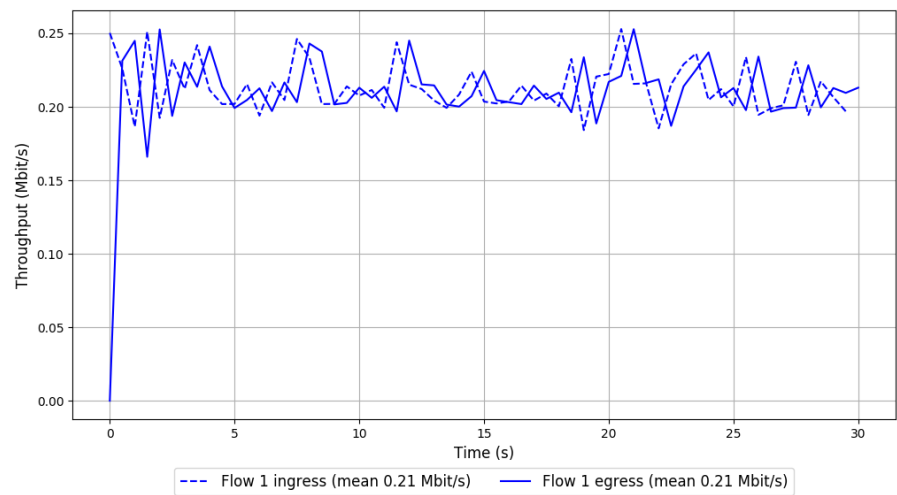


Run 7: Statistics of SReAM

Start at: 2018-08-21 21:26:22  
End at: 2018-08-21 21:26:52  
Local clock offset: 0.142 ms  
Remote clock offset: -0.772 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.940 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.940 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

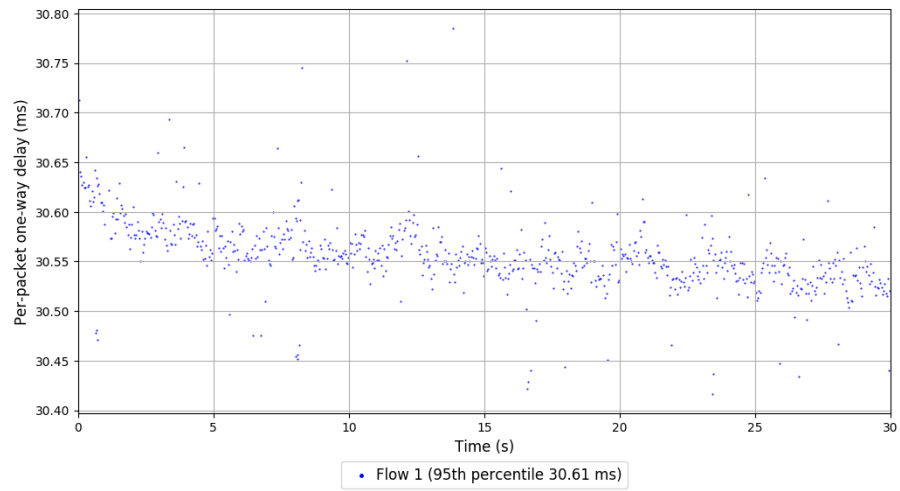
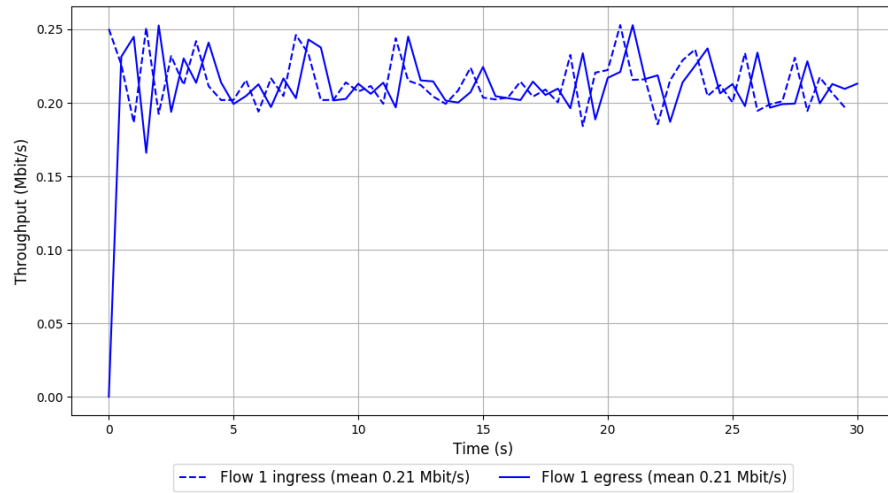


Run 8: Statistics of SCReAM

Start at: 2018-08-21 21:48:37  
End at: 2018-08-21 21:49:07  
Local clock offset: 0.336 ms  
Remote clock offset: -0.967 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.612 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.612 ms  
Loss rate: 0.00%

## Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-21 22:10:57

End at: 2018-08-21 22:11:27

Local clock offset: 0.031 ms

Remote clock offset: 0.103 ms

# Below is generated by plot.py at 2018-08-21 22:58:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.863 ms

Loss rate: 0.00%

-- Flow 1:

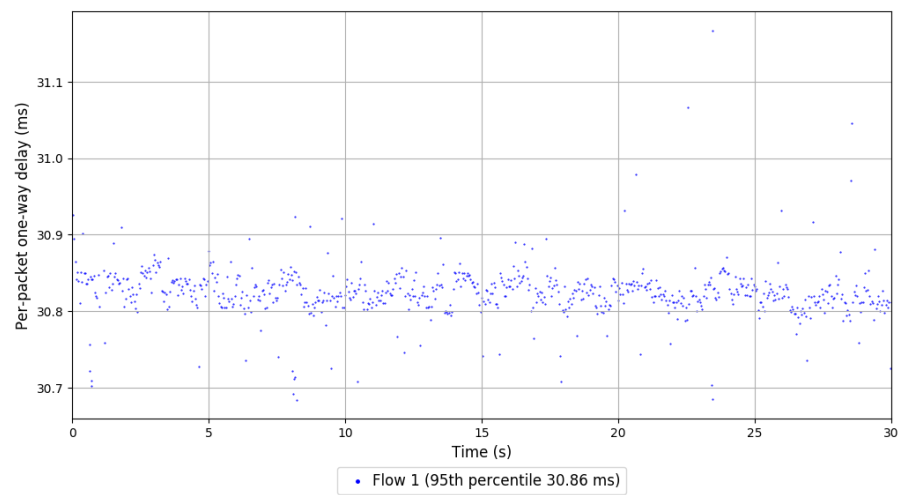
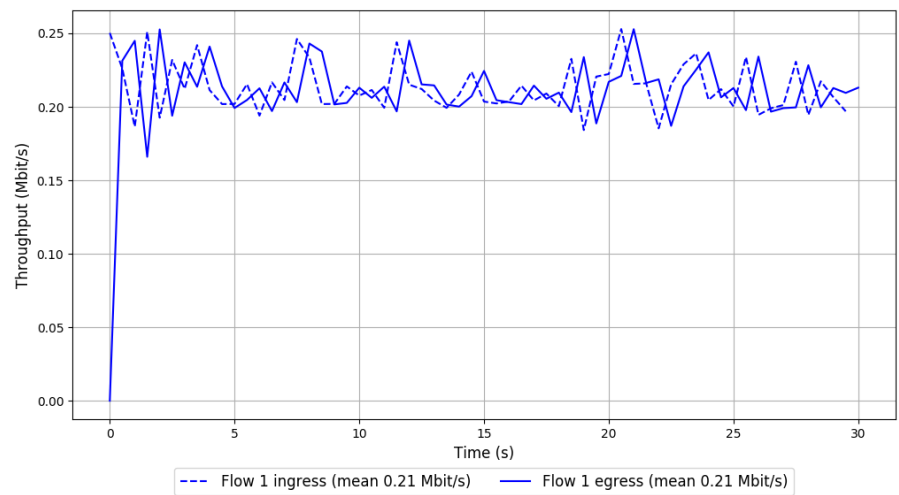
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.863 ms

Loss rate: 0.00%



Run 9: Report of SReAM — Data Link

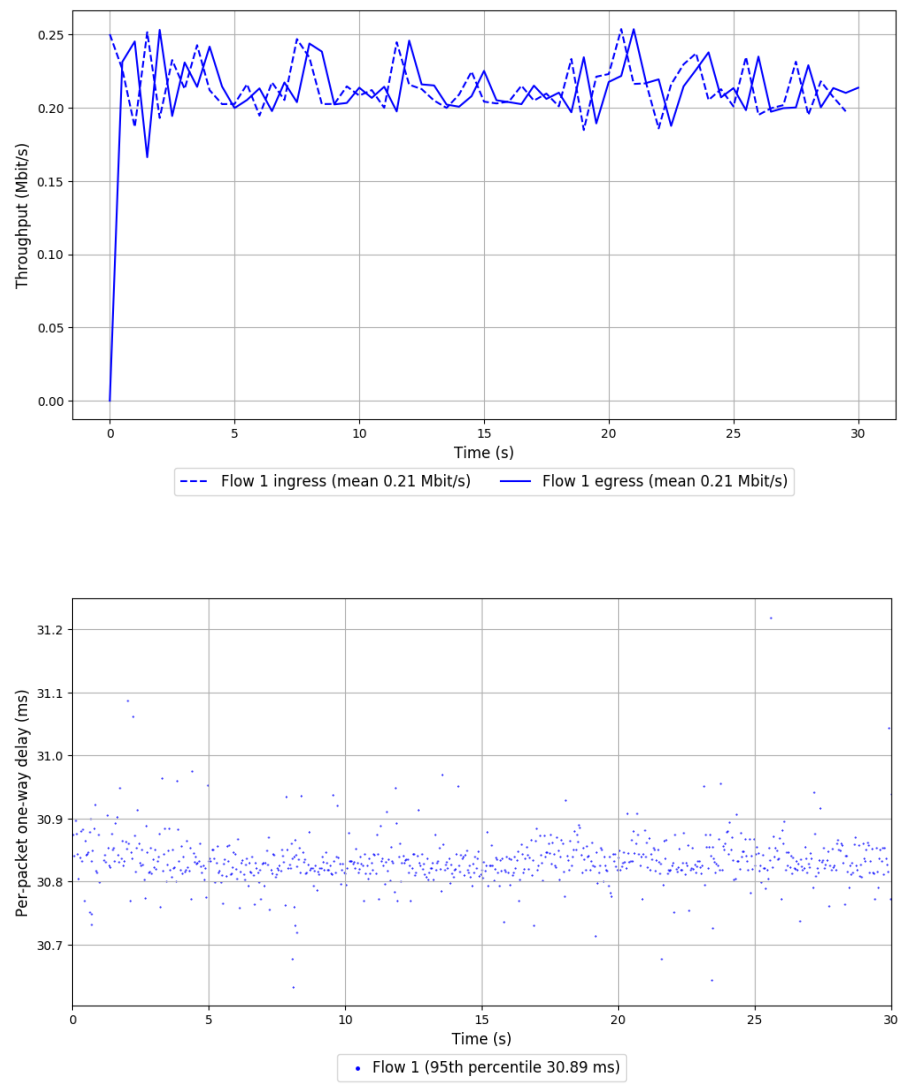


Run 10: Statistics of SCReAM

Start at: 2018-08-21 22:33:15  
End at: 2018-08-21 22:33:45  
Local clock offset: 0.034 ms  
Remote clock offset: -0.617 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.889 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.889 ms  
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

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

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

Local clock offset: -8.882 ms

Remote clock offset: -0.9 ms

# Below is generated by plot.py at 2018-08-21 22:58:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 37.822 ms

Loss rate: 0.09%

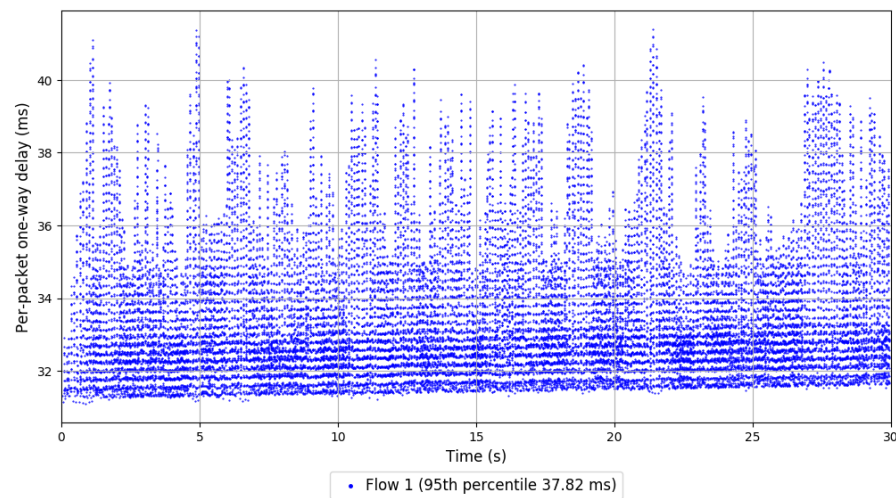
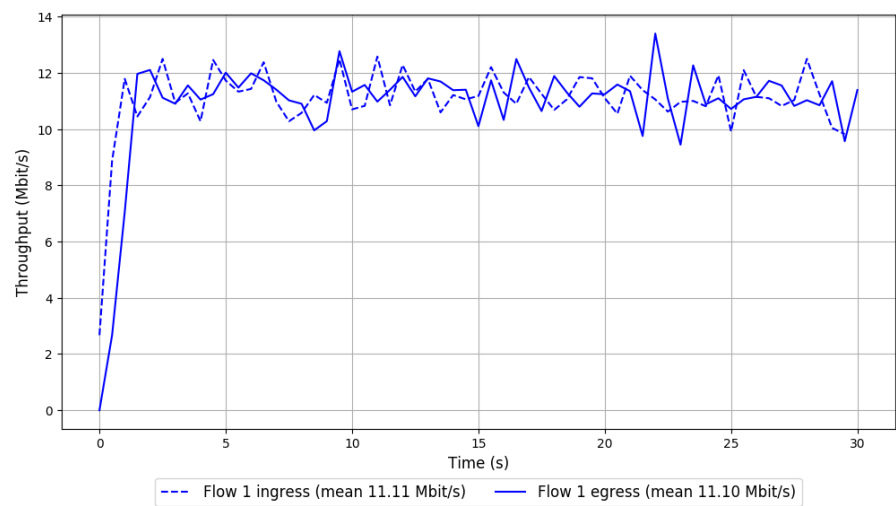
-- Flow 1:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 37.822 ms

Loss rate: 0.09%

Run 1: Report of Sprout — Data Link

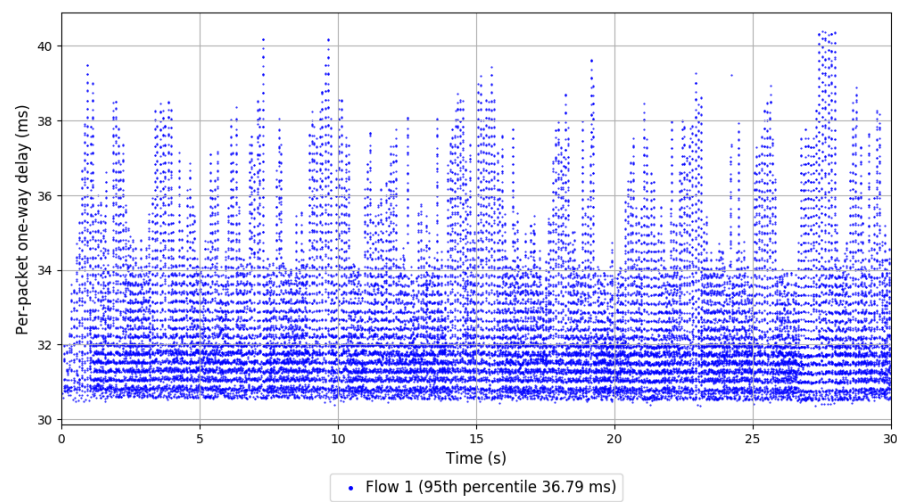
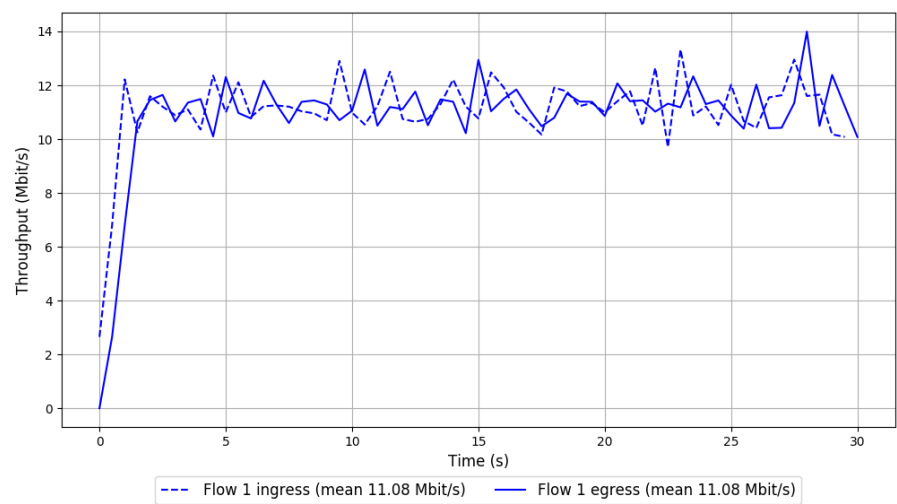


Run 2: Statistics of Sprout

Start at: 2018-08-21 19:31:07  
End at: 2018-08-21 19:31:37  
Local clock offset: -4.792 ms  
Remote clock offset: -0.543 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.08 Mbit/s  
95th percentile per-packet one-way delay: 36.792 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.08 Mbit/s  
95th percentile per-packet one-way delay: 36.792 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



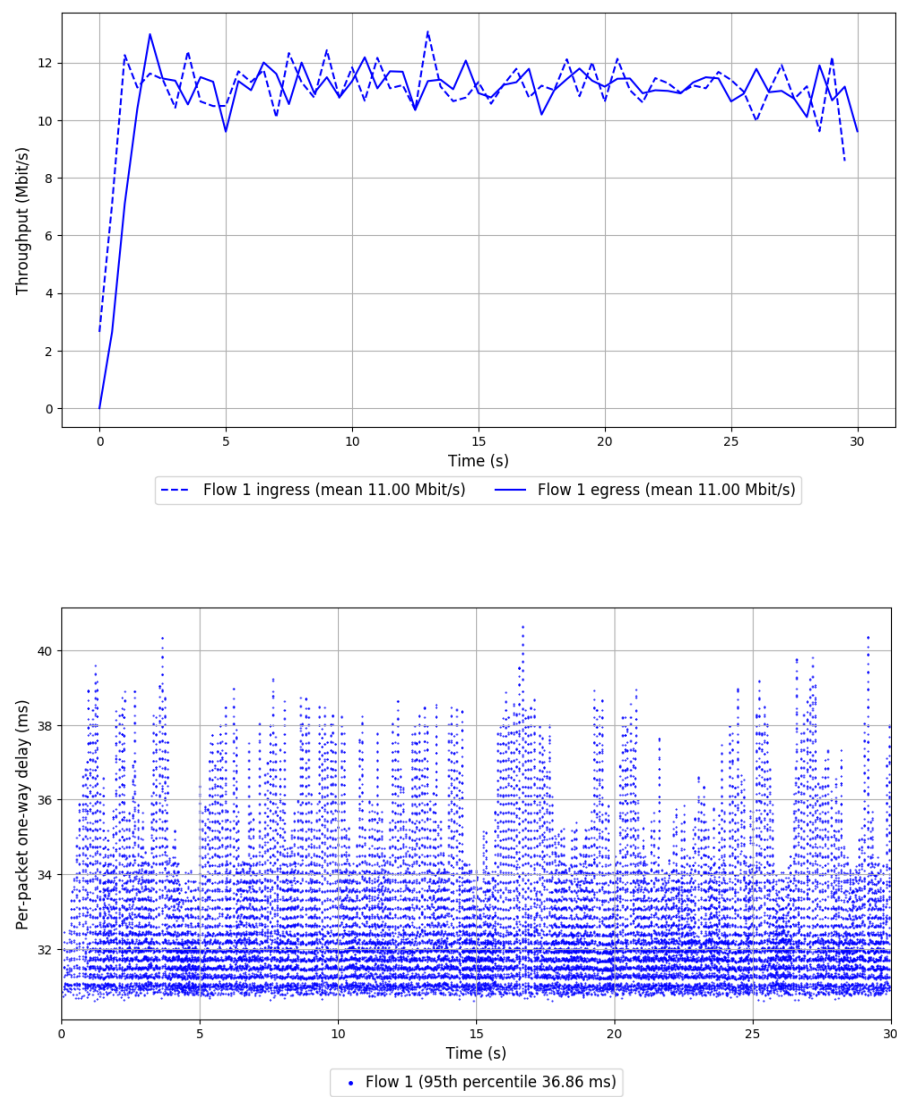
Run 3: Statistics of Sprout

Start at: 2018-08-21 19:53:26  
End at: 2018-08-21 19:53:56  
Local clock offset: -2.303 ms  
Remote clock offset: -0.589 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.00 Mbit/s  
95th percentile per-packet one-way delay: 36.861 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 11.00 Mbit/s  
95th percentile per-packet one-way delay: 36.861 ms  
Loss rate: 0.01%



Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-21 20:15:42

End at: 2018-08-21 20:16:12

Local clock offset: -3.582 ms

Remote clock offset: -0.49 ms

# Below is generated by plot.py at 2018-08-21 22:58:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 36.586 ms

Loss rate: 0.00%

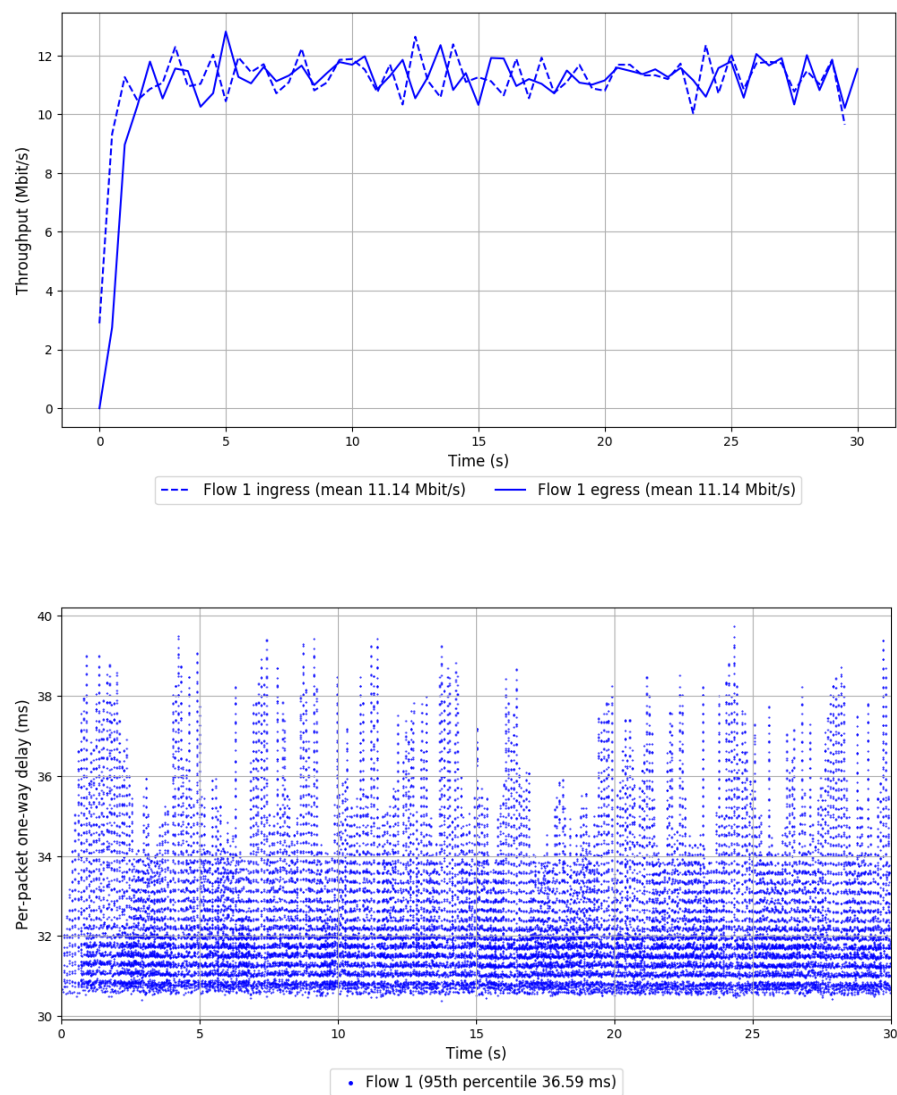
-- Flow 1:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 36.586 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

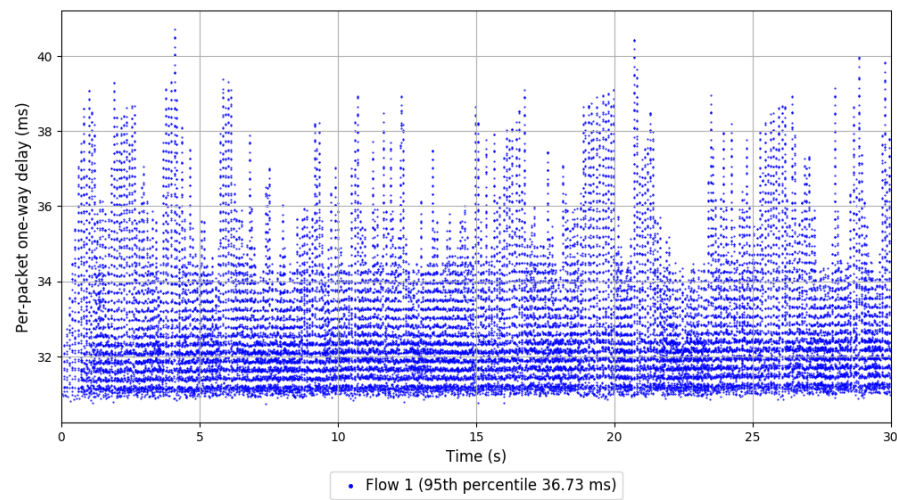
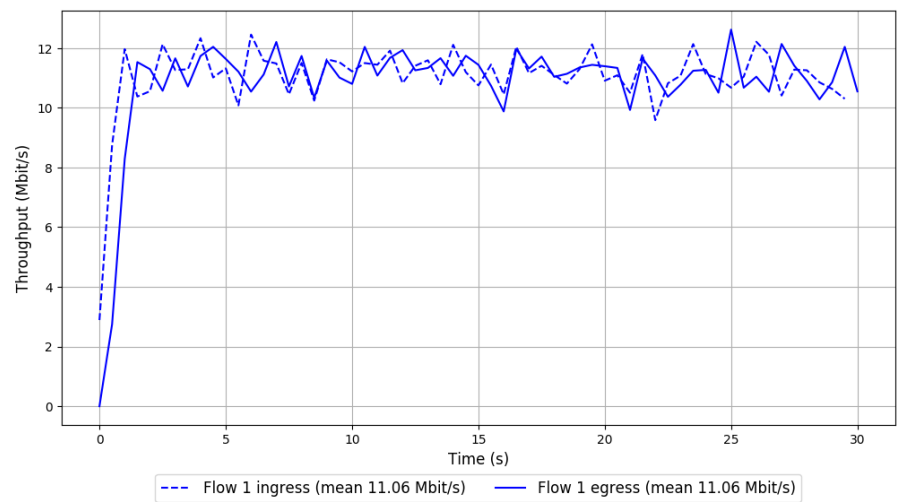


Run 5: Statistics of Sprout

Start at: 2018-08-21 20:37:56  
End at: 2018-08-21 20:38:26  
Local clock offset: -5.385 ms  
Remote clock offset: -0.235 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.06 Mbit/s  
95th percentile per-packet one-way delay: 36.734 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.06 Mbit/s  
95th percentile per-packet one-way delay: 36.734 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

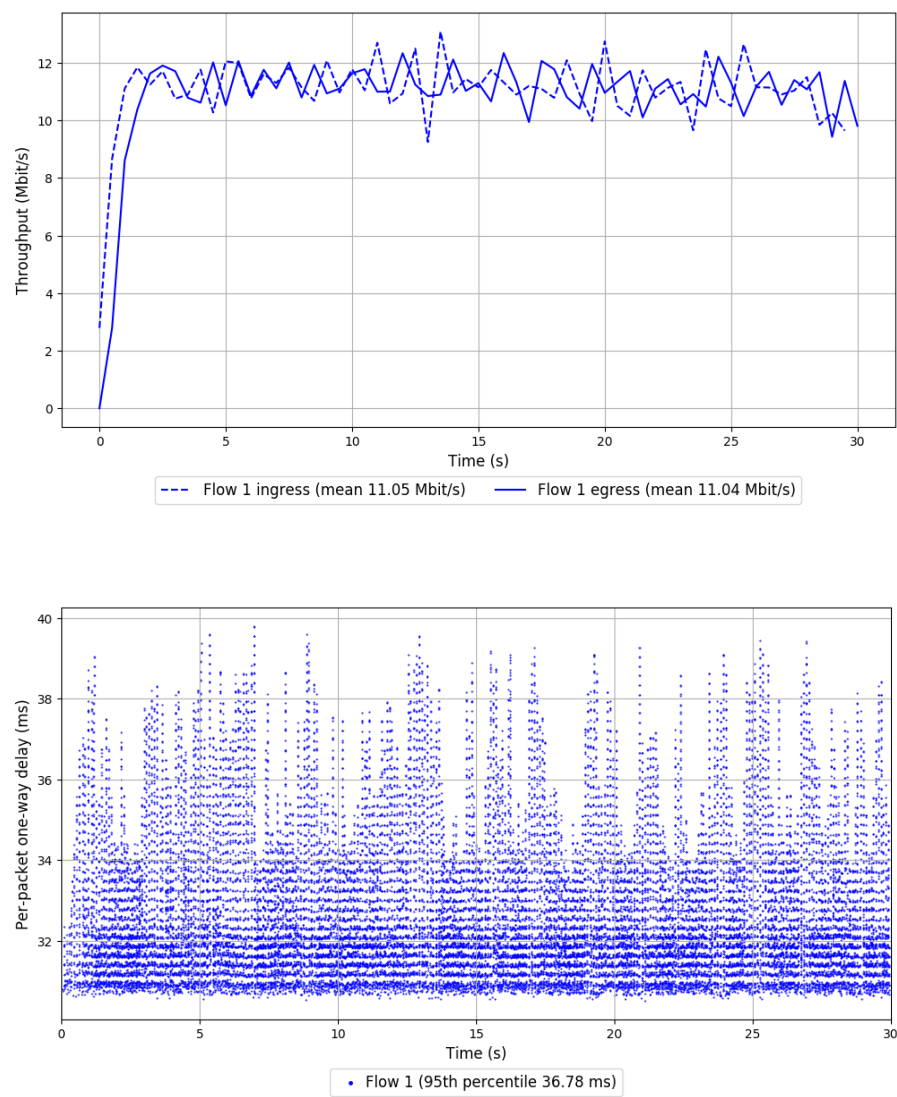


Run 6: Statistics of Sprout

Start at: 2018-08-21 21:00:09  
End at: 2018-08-21 21:00:39  
Local clock offset: -3.901 ms  
Remote clock offset: -0.604 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.04 Mbit/s  
95th percentile per-packet one-way delay: 36.785 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 11.04 Mbit/s  
95th percentile per-packet one-way delay: 36.785 ms  
Loss rate: 0.06%

Run 6: Report of Sprout — Data Link



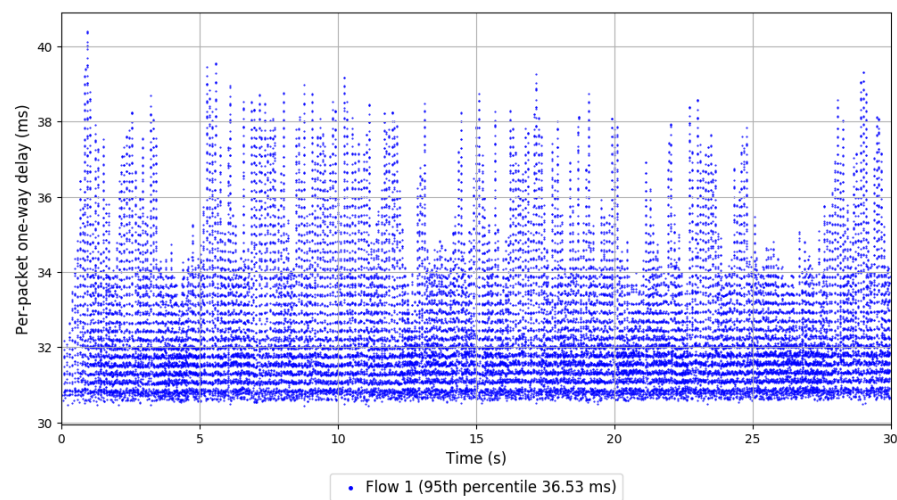
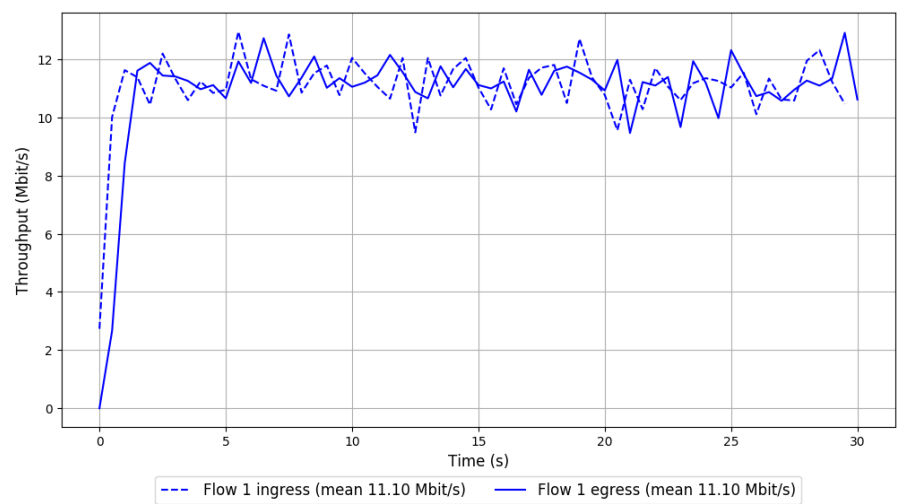
Run 7: Statistics of Sprout

Start at: 2018-08-21 21:22:27  
End at: 2018-08-21 21:22:57  
Local clock offset: -0.214 ms  
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.10 Mbit/s  
95th percentile per-packet one-way delay: 36.534 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.10 Mbit/s  
95th percentile per-packet one-way delay: 36.534 ms  
Loss rate: 0.00%



Run 7: Report of Sprout — Data Link

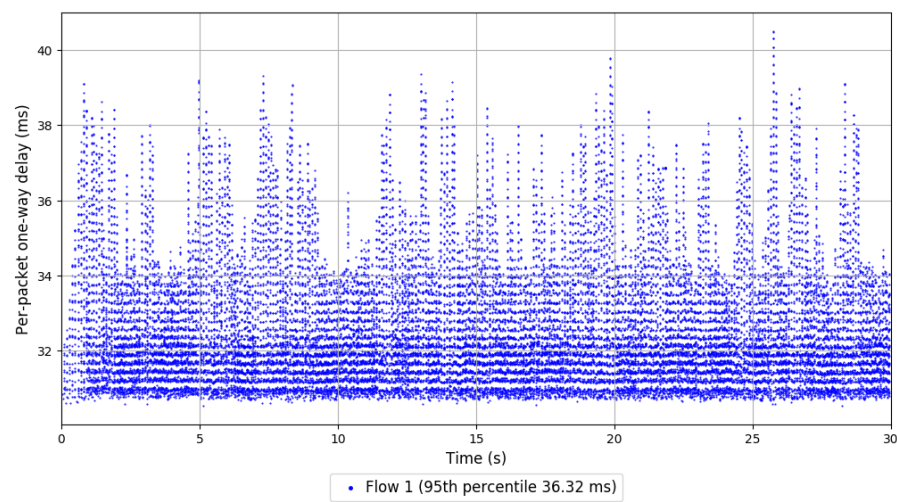
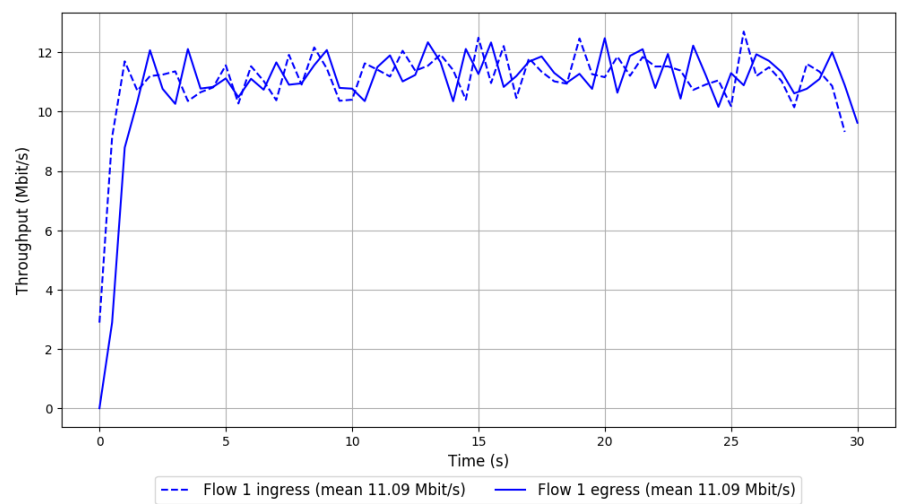


Run 8: Statistics of Sprout

Start at: 2018-08-21 21:44:43  
End at: 2018-08-21 21:45:13  
Local clock offset: 0.425 ms  
Remote clock offset: -0.709 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.09 Mbit/s  
95th percentile per-packet one-way delay: 36.317 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.09 Mbit/s  
95th percentile per-packet one-way delay: 36.317 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

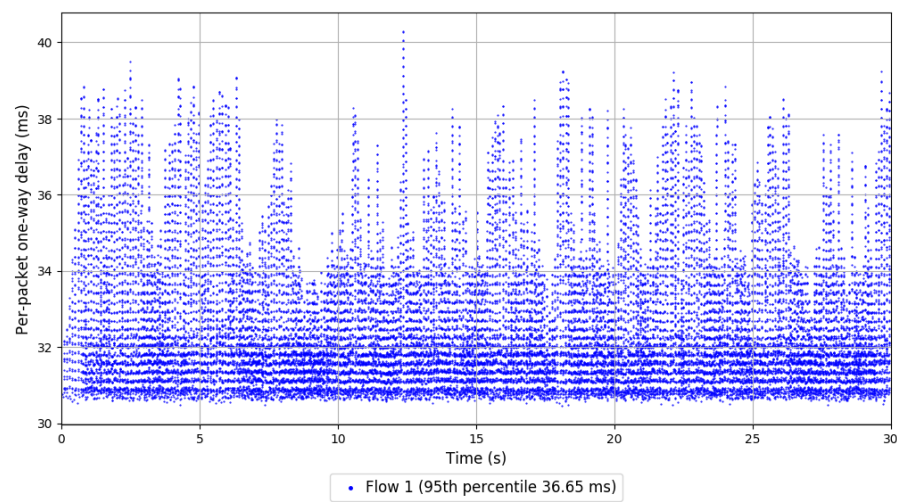
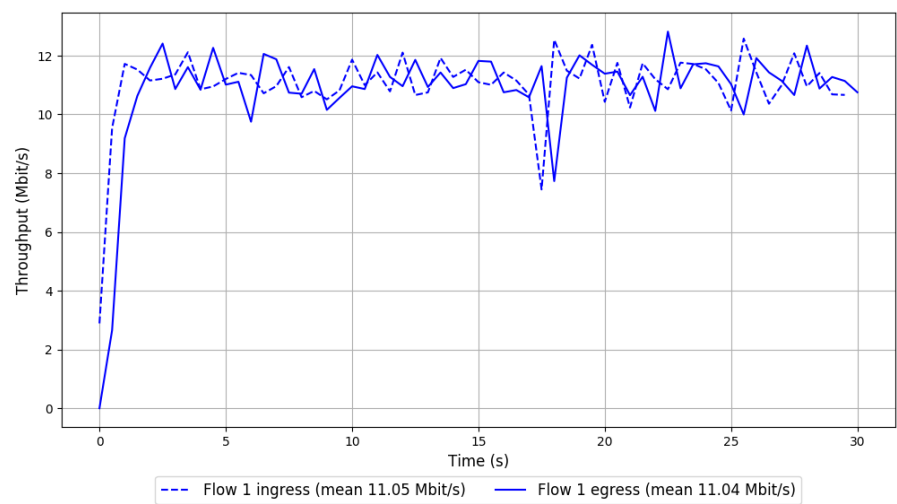


Run 9: Statistics of Sprout

Start at: 2018-08-21 22:06:56  
End at: 2018-08-21 22:07:26  
Local clock offset: 0.017 ms  
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.04 Mbit/s  
95th percentile per-packet one-way delay: 36.646 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 11.04 Mbit/s  
95th percentile per-packet one-way delay: 36.646 ms  
Loss rate: 0.07%

Run 9: Report of Sprout — Data Link

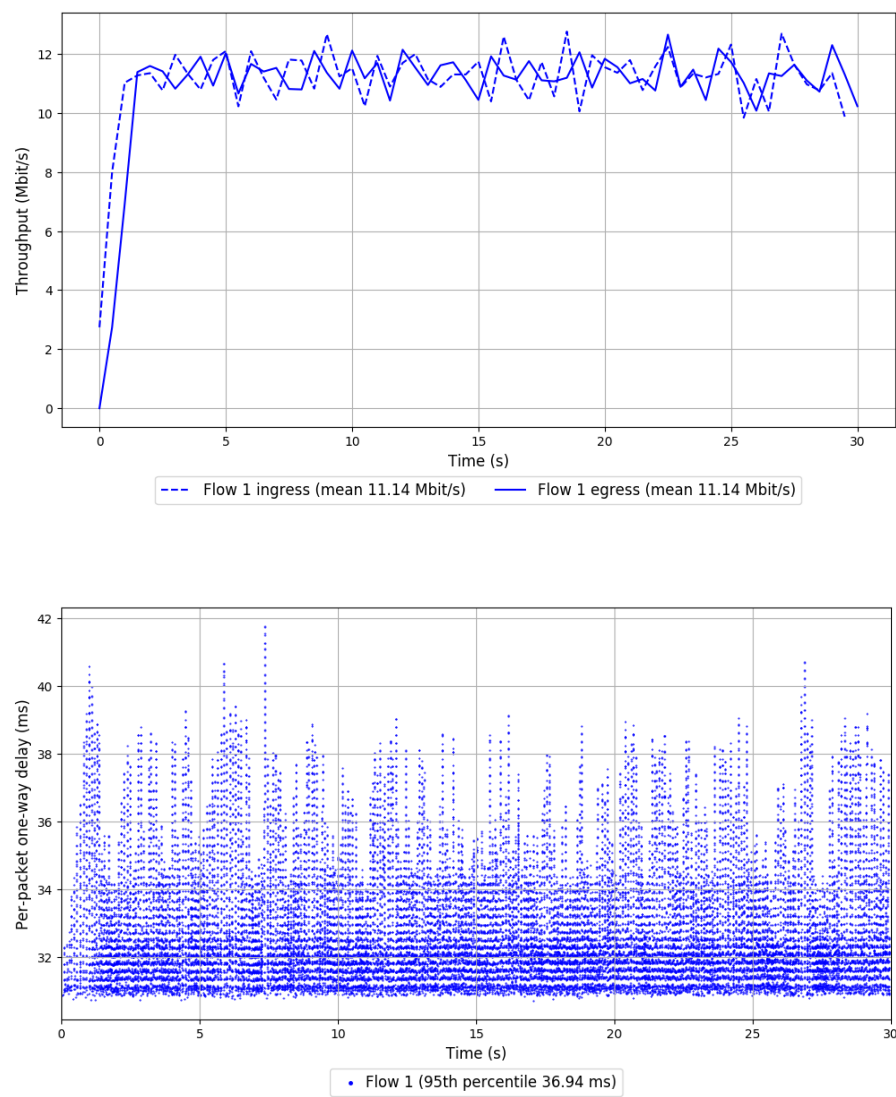


Run 10: Statistics of Sprout

Start at: 2018-08-21 22:29:19  
End at: 2018-08-21 22:29:49  
Local clock offset: 0.125 ms  
Remote clock offset: -0.263 ms

# Below is generated by plot.py at 2018-08-21 22:58:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.14 Mbit/s  
95th percentile per-packet one-way delay: 36.939 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 11.14 Mbit/s  
95th percentile per-packet one-way delay: 36.939 ms  
Loss rate: 0.03%

Run 10: Report of Sprout — Data Link



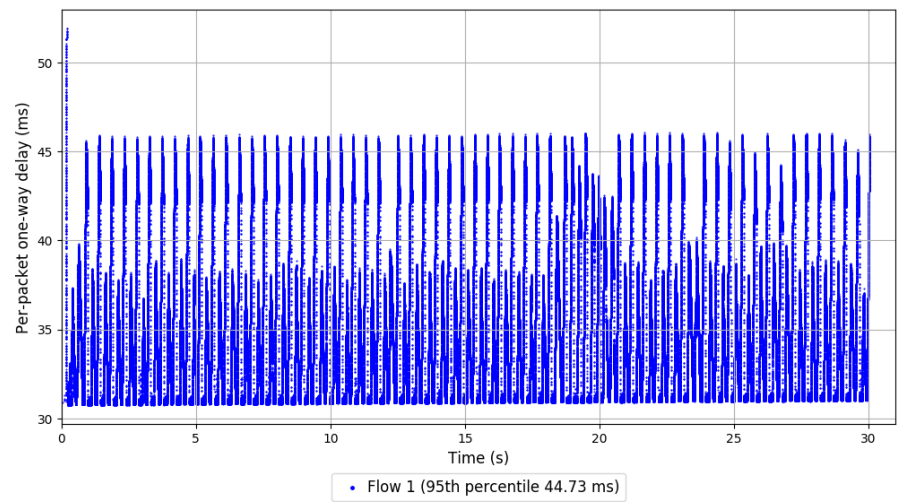
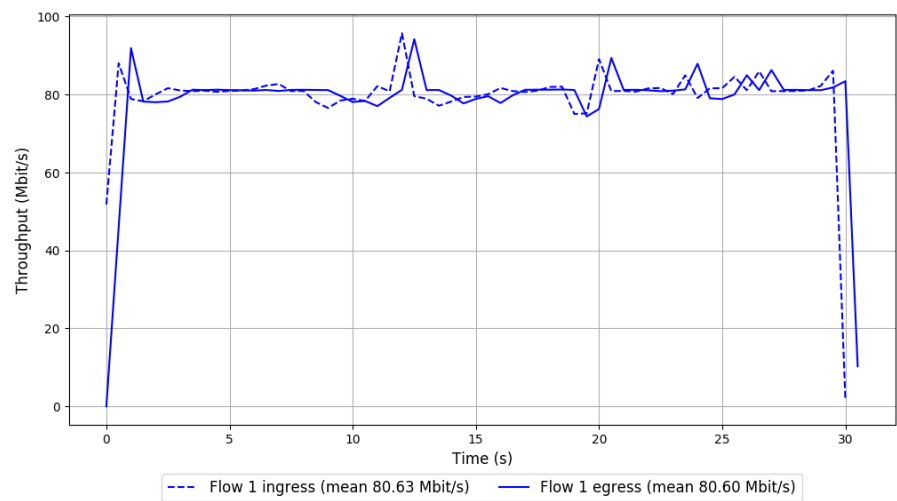
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-21 19:11:23
End at: 2018-08-21 19:11:53
Local clock offset: -6.911 ms
Remote clock offset: -1.036 ms

# Below is generated by plot.py at 2018-08-21 23:00:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 44.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 44.727 ms
Loss rate: 0.00%
```



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

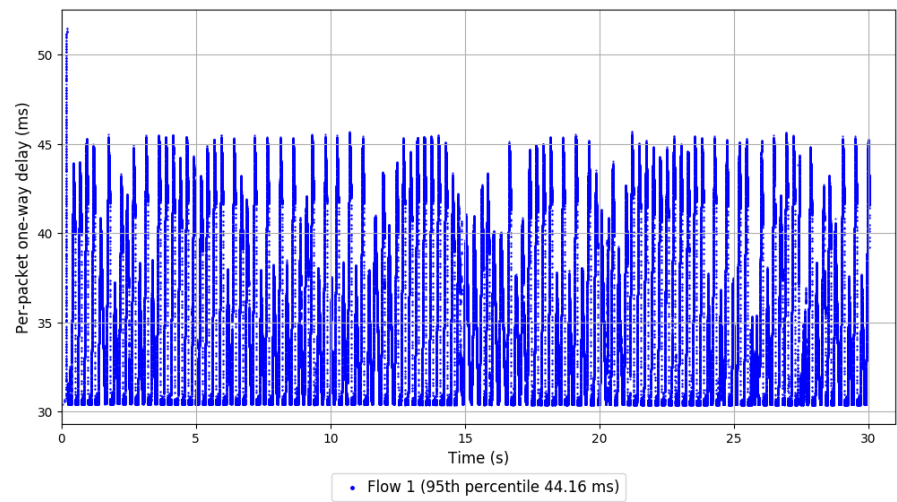
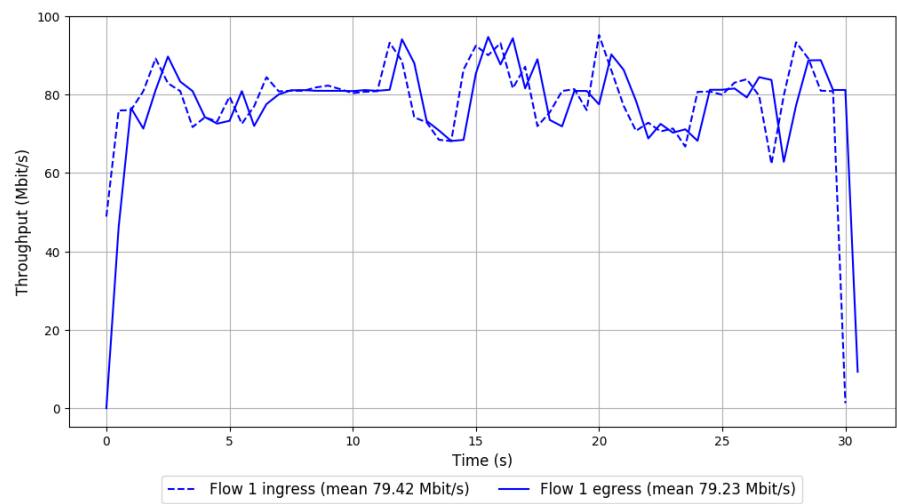


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-21 19:33:41  
End at: 2018-08-21 19:34:11  
Local clock offset: -5.096 ms  
Remote clock offset: -0.792 ms

# Below is generated by plot.py at 2018-08-21 23:00:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.23 Mbit/s  
95th percentile per-packet one-way delay: 44.165 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 79.23 Mbit/s  
95th percentile per-packet one-way delay: 44.165 ms  
Loss rate: 0.20%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-21 19:56:00

End at: 2018-08-21 19:56:30

Local clock offset: -2.43 ms

Remote clock offset: -0.657 ms

# Below is generated by plot.py at 2018-08-21 23:00:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 44.630 ms

Loss rate: 0.01%

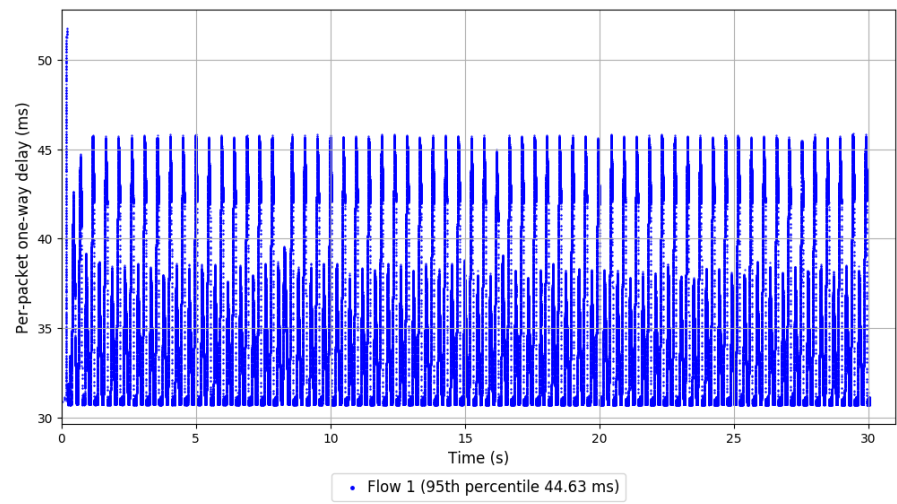
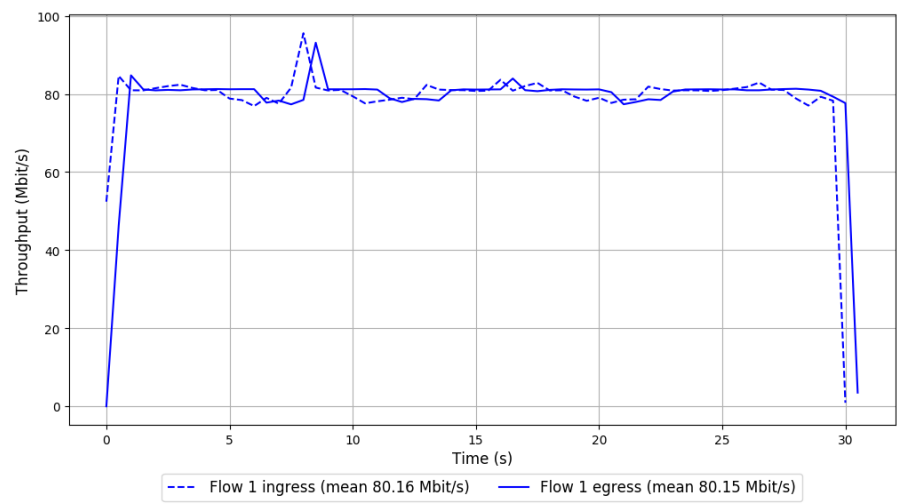
-- Flow 1:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 44.630 ms

Loss rate: 0.01%

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

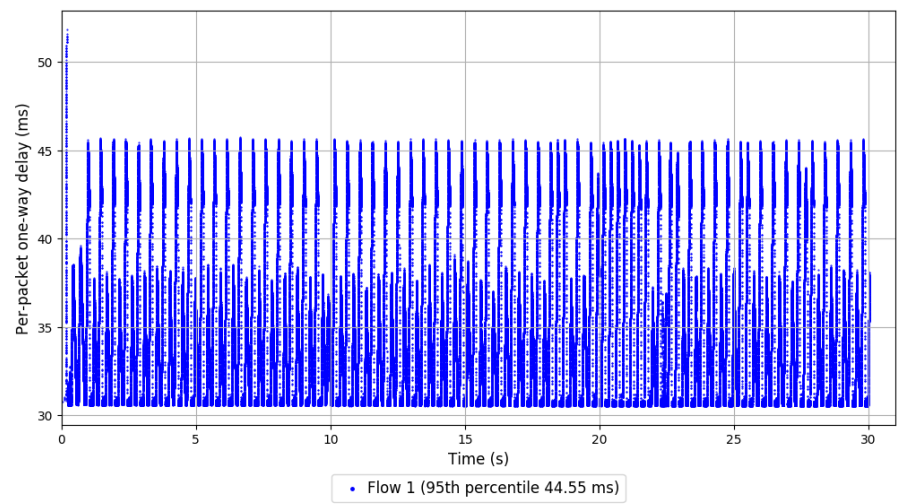
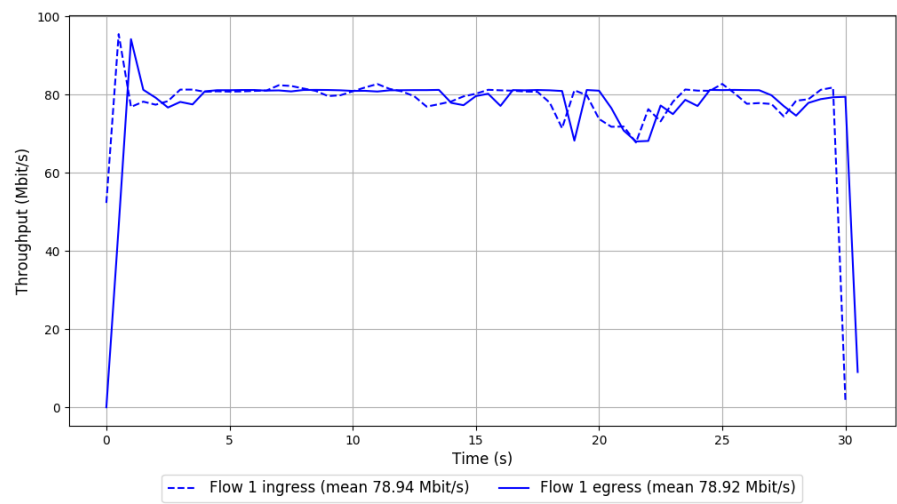


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-21 20:18:16  
End at: 2018-08-21 20:18:46  
Local clock offset: -3.805 ms  
Remote clock offset: -0.558 ms

# Below is generated by plot.py at 2018-08-21 23:00:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.92 Mbit/s  
95th percentile per-packet one-way delay: 44.553 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 78.92 Mbit/s  
95th percentile per-packet one-way delay: 44.553 ms  
Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-21 20:40:30

End at: 2018-08-21 20:41:00

Local clock offset: -4.89 ms

Remote clock offset: -0.451 ms

# Below is generated by plot.py at 2018-08-21 23:00:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 44.770 ms

Loss rate: 0.03%

-- Flow 1:

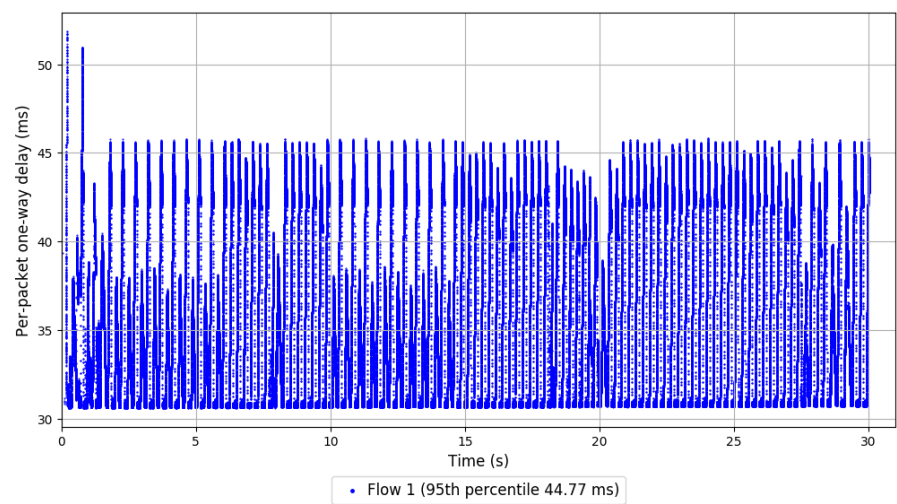
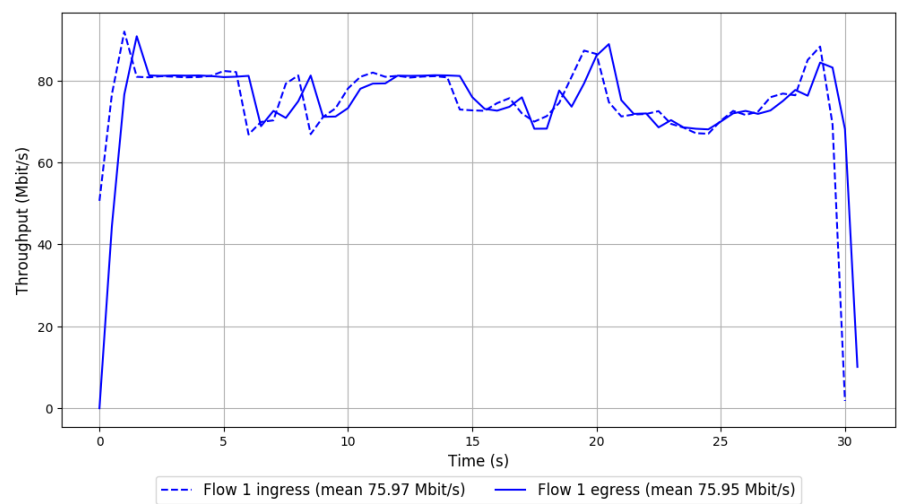
Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 44.770 ms

Loss rate: 0.03%



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

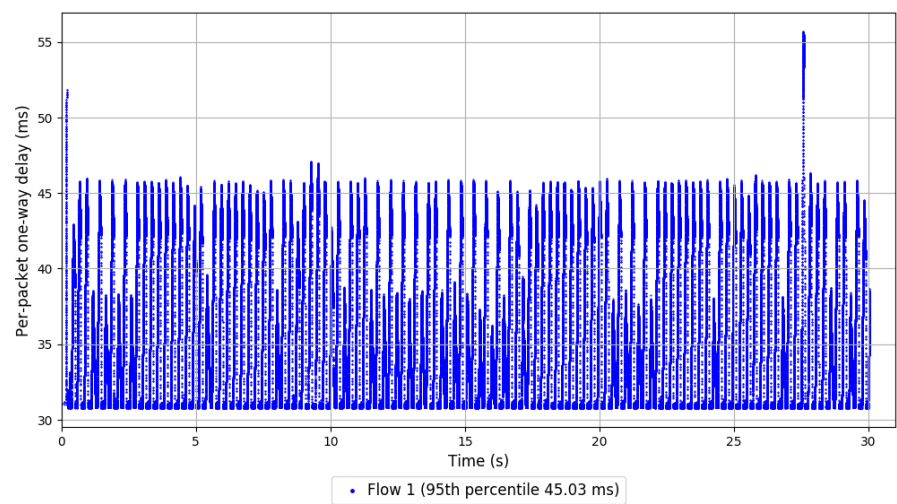
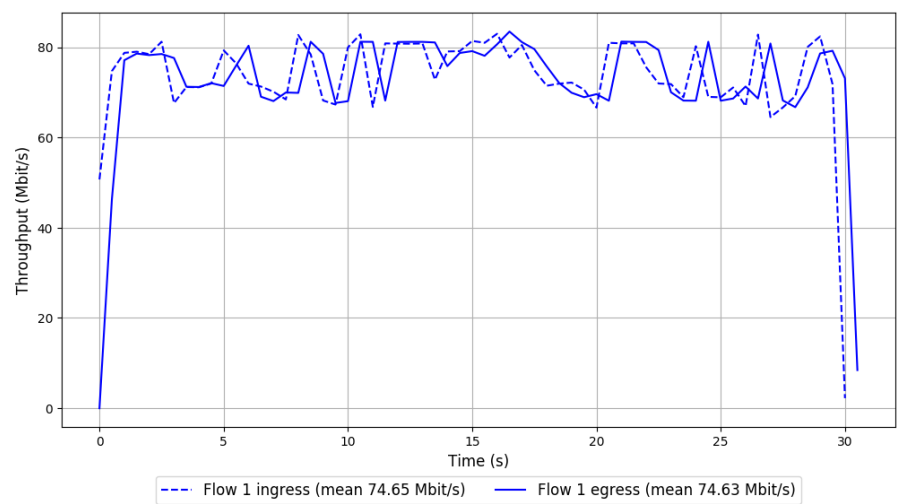


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-21 21:02:43  
End at: 2018-08-21 21:03:13  
Local clock offset: -4.034 ms  
Remote clock offset: -0.506 ms

# Below is generated by plot.py at 2018-08-21 23:00:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.63 Mbit/s  
95th percentile per-packet one-way delay: 45.034 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 74.63 Mbit/s  
95th percentile per-packet one-way delay: 45.034 ms  
Loss rate: 0.00%

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

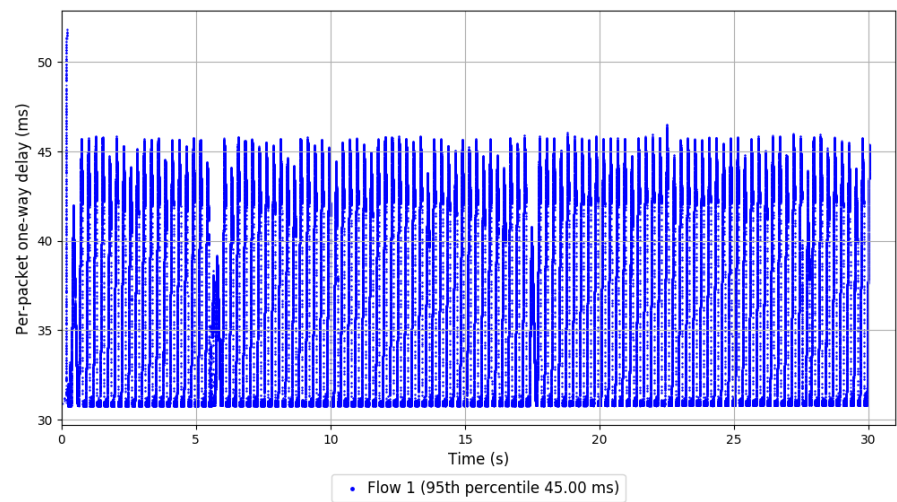
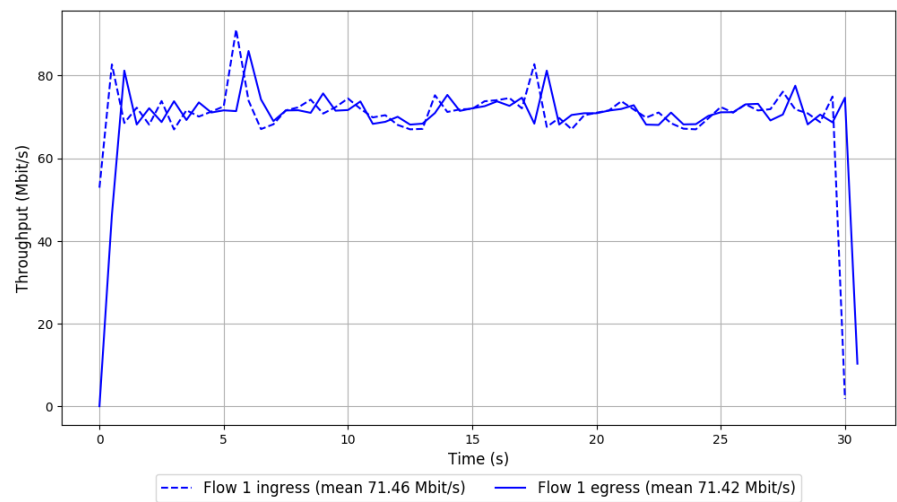


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-21 21:25:01  
End at: 2018-08-21 21:25:31  
Local clock offset: 0.022 ms  
Remote clock offset: -0.754 ms

# Below is generated by plot.py at 2018-08-21 23:00:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.42 Mbit/s  
95th percentile per-packet one-way delay: 44.996 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 71.42 Mbit/s  
95th percentile per-packet one-way delay: 44.996 ms  
Loss rate: 0.01%

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

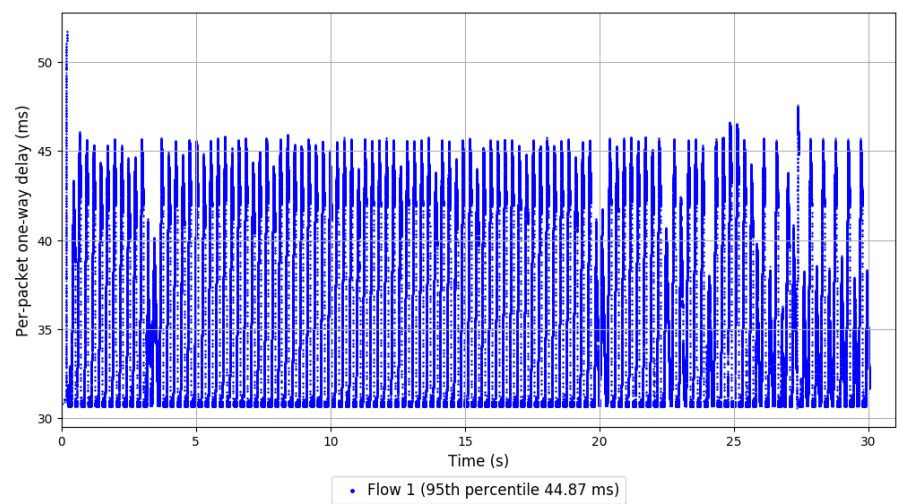
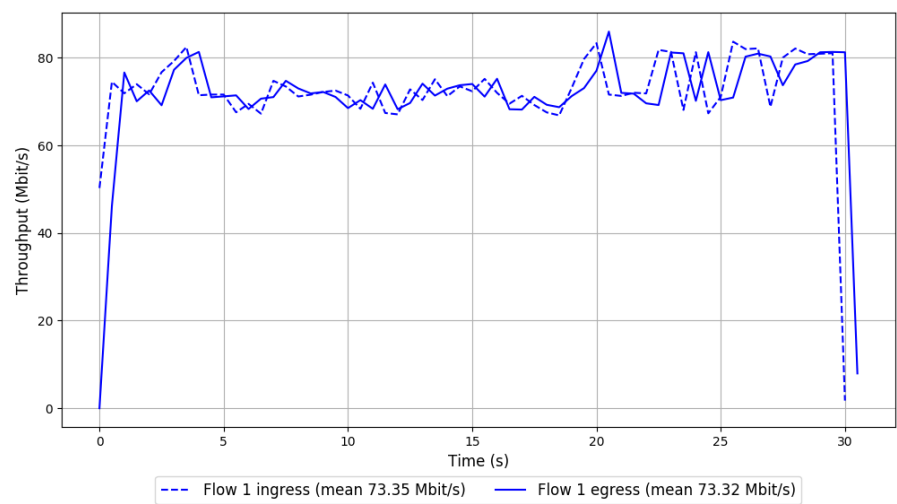


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-21 21:47:17  
End at: 2018-08-21 21:47:47  
Local clock offset: 0.379 ms  
Remote clock offset: -0.776 ms

# Below is generated by plot.py at 2018-08-21 23:00:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.32 Mbit/s  
95th percentile per-packet one-way delay: 44.872 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 73.32 Mbit/s  
95th percentile per-packet one-way delay: 44.872 ms  
Loss rate: 0.03%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-21 22:09:33

End at: 2018-08-21 22:10:03

Local clock offset: 0.134 ms

Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2018-08-21 23:02:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.52 Mbit/s

95th percentile per-packet one-way delay: 44.575 ms

Loss rate: 0.00%

-- Flow 1:

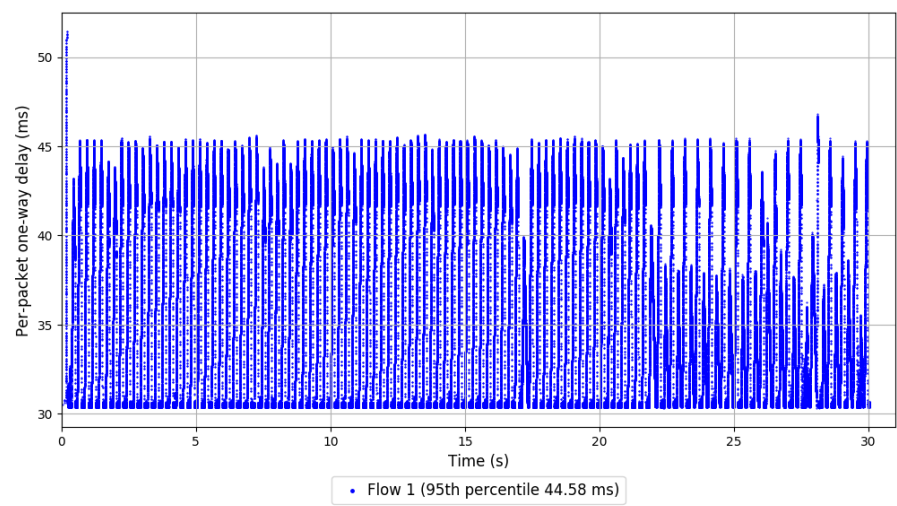
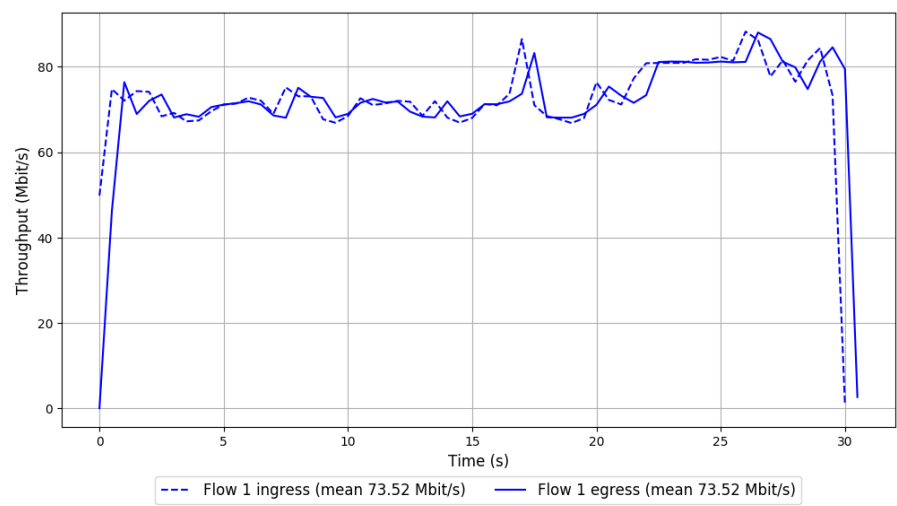
Average throughput: 73.52 Mbit/s

95th percentile per-packet one-way delay: 44.575 ms

Loss rate: 0.00%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-21 22:31:54

End at: 2018-08-21 22:32:24

Local clock offset: 0.138 ms

Remote clock offset: -0.529 ms

# Below is generated by plot.py at 2018-08-21 23:02:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.96 Mbit/s

95th percentile per-packet one-way delay: 44.855 ms

Loss rate: 0.01%

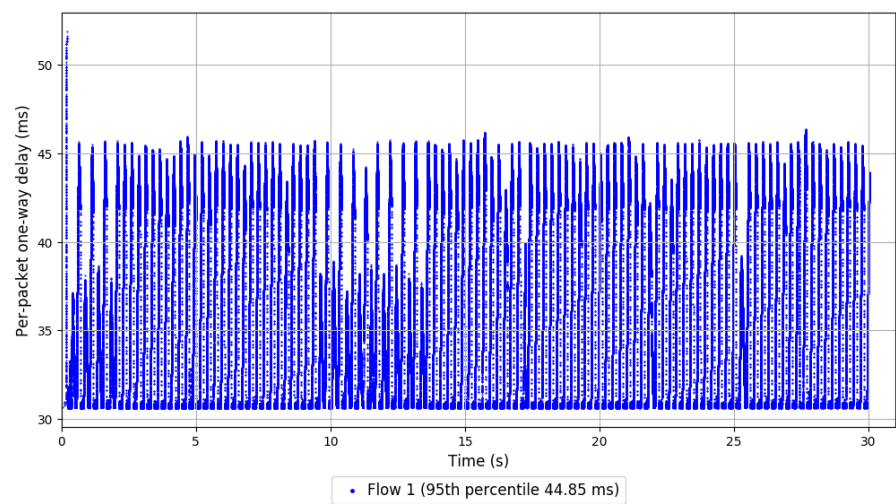
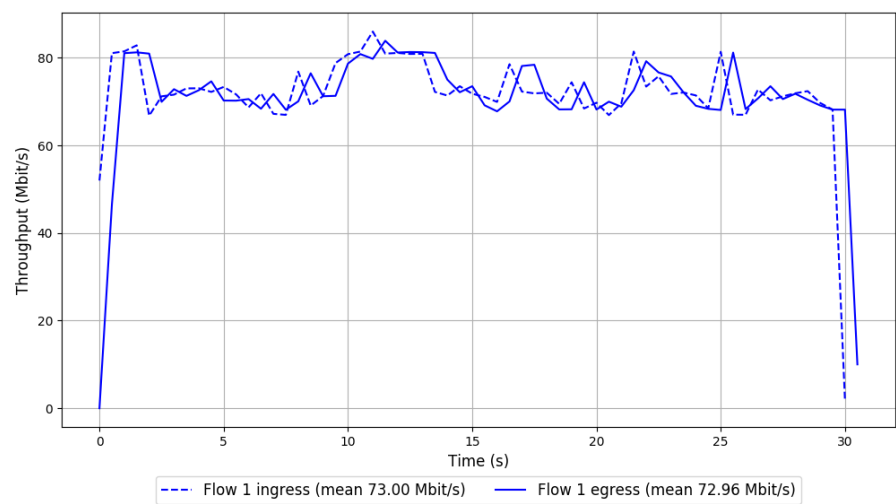
-- Flow 1:

Average throughput: 72.96 Mbit/s

95th percentile per-packet one-way delay: 44.855 ms

Loss rate: 0.01%

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

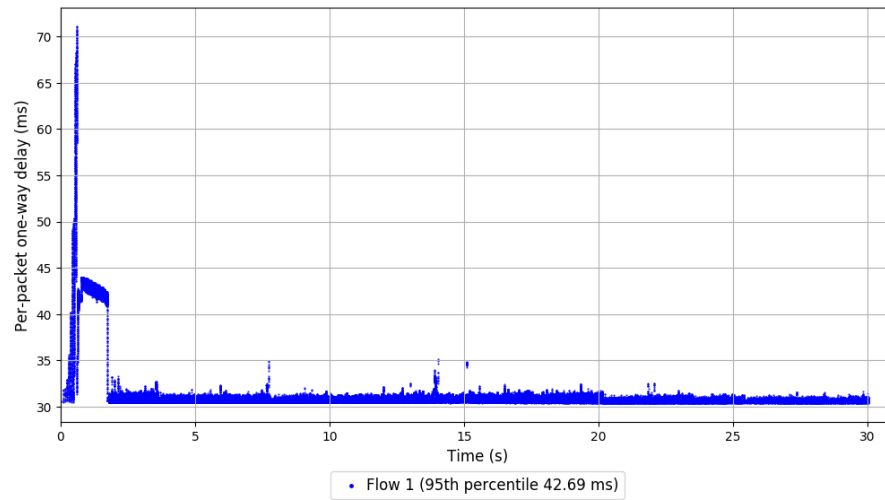
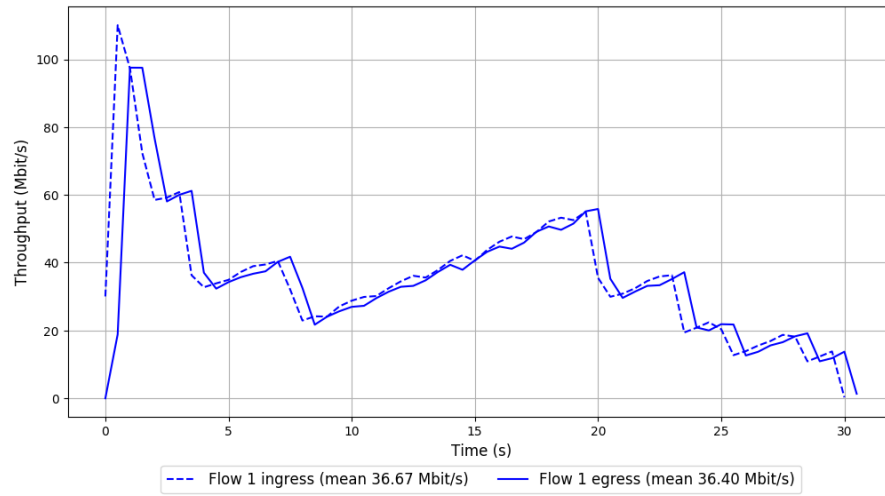


Run 1: Statistics of TCP Vegas

Start at: 2018-08-21 19:04:53  
End at: 2018-08-21 19:05:23  
Local clock offset: -9.585 ms  
Remote clock offset: -0.904 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.40 Mbit/s  
95th percentile per-packet one-way delay: 42.685 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 36.40 Mbit/s  
95th percentile per-packet one-way delay: 42.685 ms  
Loss rate: 0.72%

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

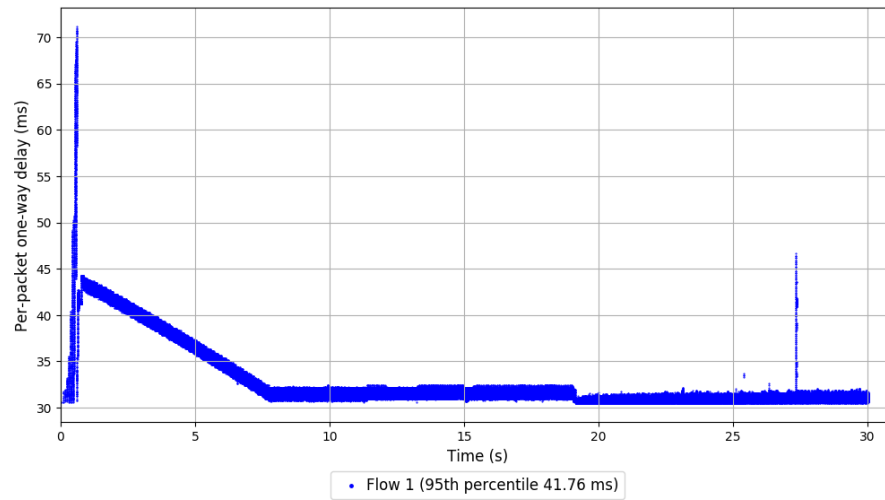
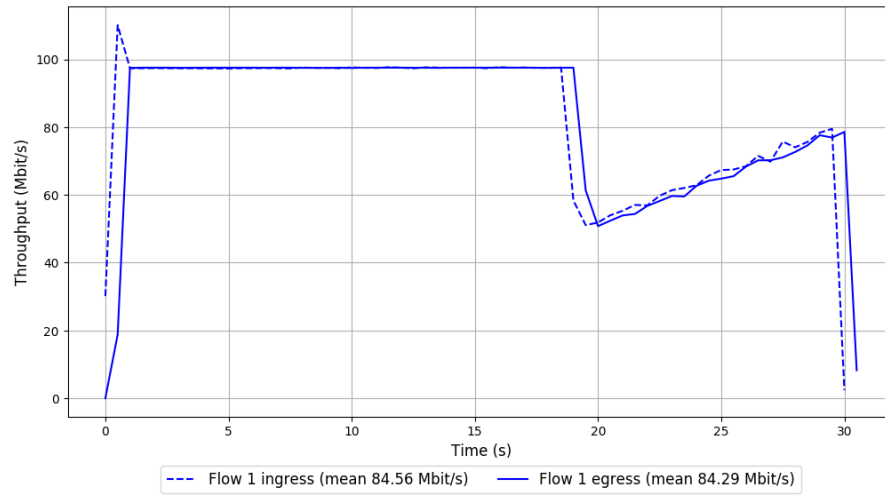


Run 2: Statistics of TCP Vegas

Start at: 2018-08-21 19:27:09  
End at: 2018-08-21 19:27:39  
Local clock offset: -4.408 ms  
Remote clock offset: -0.657 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.29 Mbit/s  
95th percentile per-packet one-way delay: 41.757 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 84.29 Mbit/s  
95th percentile per-packet one-way delay: 41.757 ms  
Loss rate: 0.31%

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



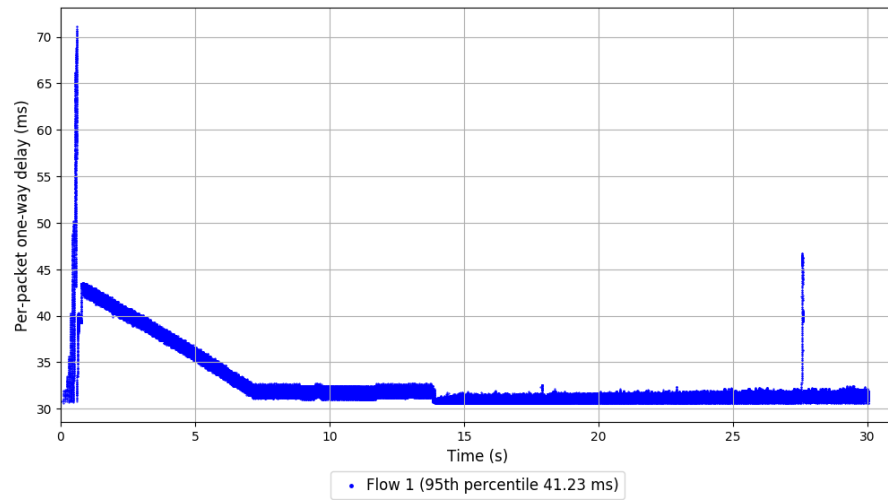
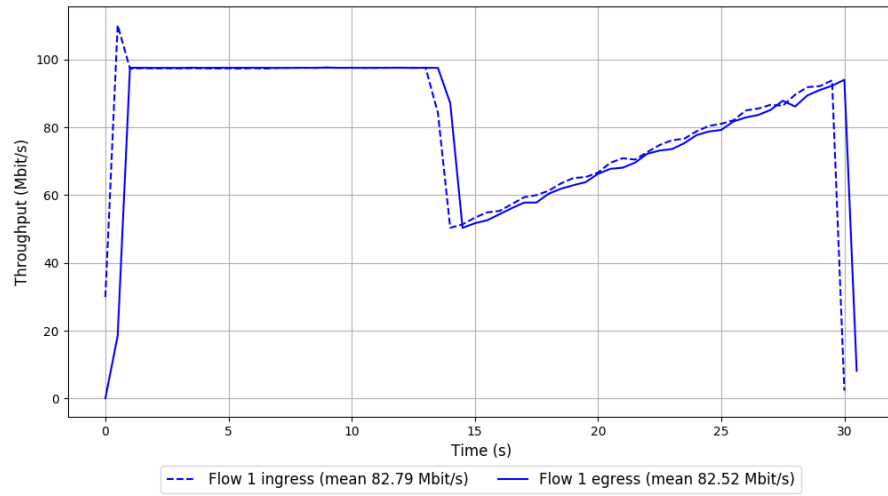
Run 3: Statistics of TCP Vegas

Start at: 2018-08-21 19:49:29  
End at: 2018-08-21 19:49:59  
Local clock offset: -2.416 ms  
Remote clock offset: -0.794 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.52 Mbit/s  
95th percentile per-packet one-way delay: 41.226 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 82.52 Mbit/s  
95th percentile per-packet one-way delay: 41.226 ms  
Loss rate: 0.32%



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

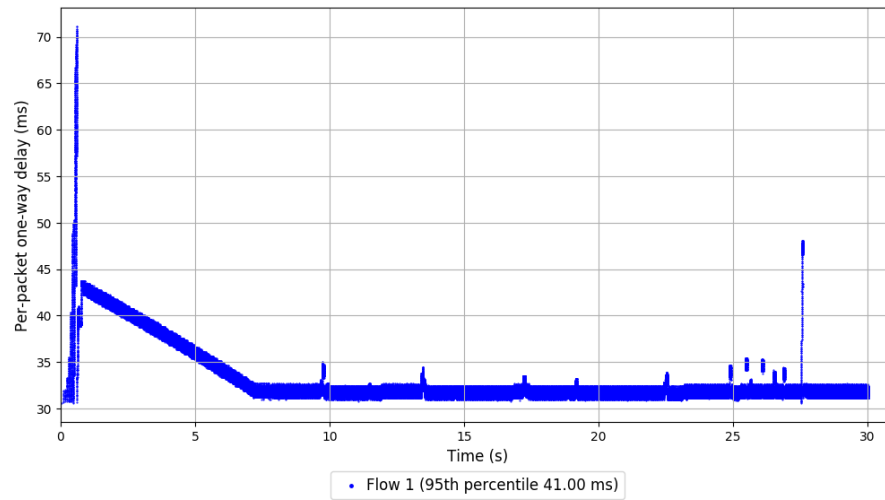
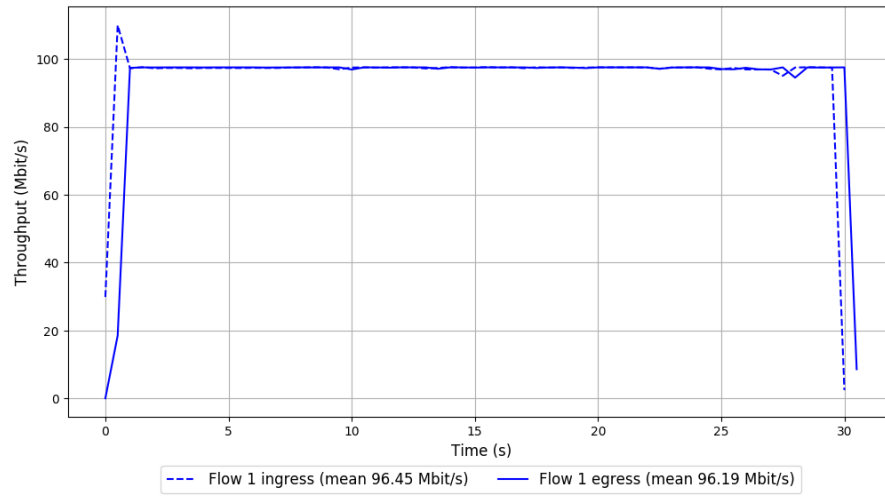


Run 4: Statistics of TCP Vegas

Start at: 2018-08-21 20:11:44  
End at: 2018-08-21 20:12:15  
Local clock offset: -3.274 ms  
Remote clock offset: -0.546 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.19 Mbit/s  
95th percentile per-packet one-way delay: 41.001 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 96.19 Mbit/s  
95th percentile per-packet one-way delay: 41.001 ms  
Loss rate: 0.27%

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

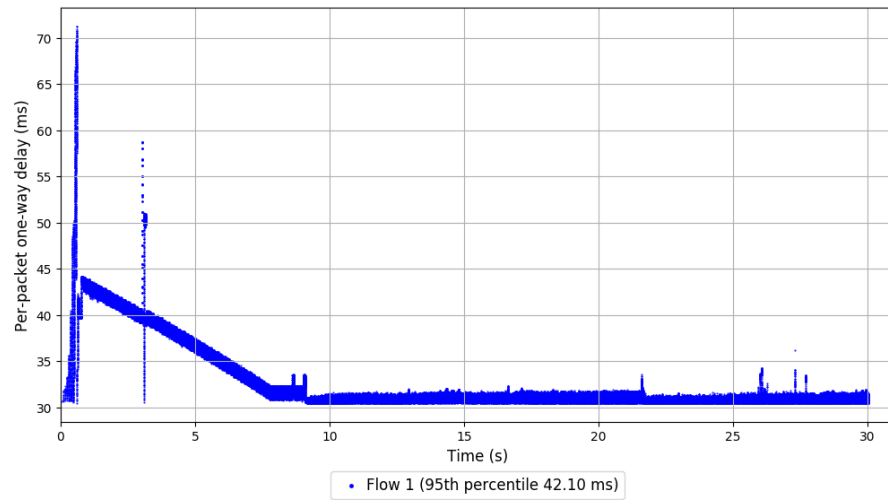
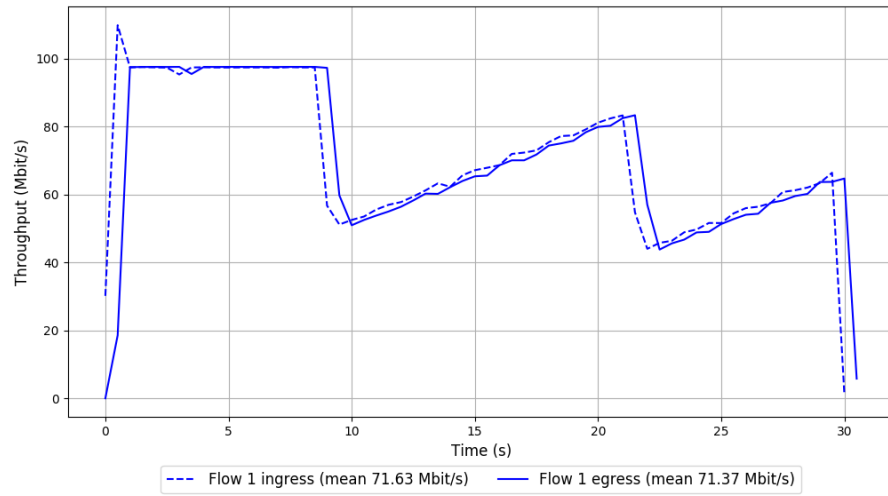


Run 5: Statistics of TCP Vegas

Start at: 2018-08-21 20:33:59  
End at: 2018-08-21 20:34:29  
Local clock offset: -5.227 ms  
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.37 Mbit/s  
95th percentile per-packet one-way delay: 42.105 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 71.37 Mbit/s  
95th percentile per-packet one-way delay: 42.105 ms  
Loss rate: 0.37%

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

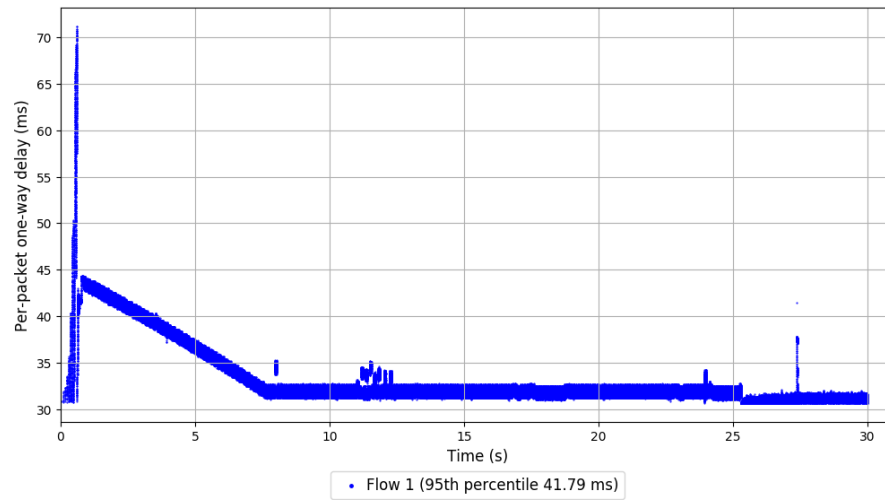
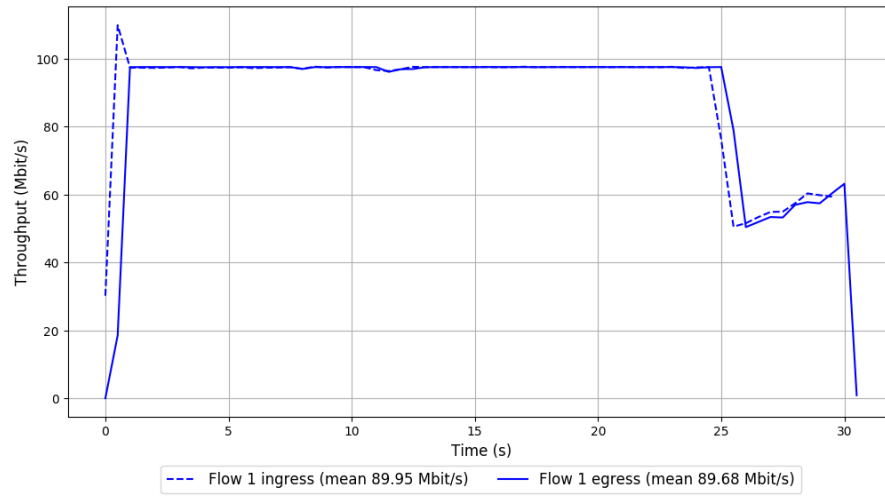


Run 6: Statistics of TCP Vegas

Start at: 2018-08-21 20:56:12  
End at: 2018-08-21 20:56:42  
Local clock offset: -3.909 ms  
Remote clock offset: -0.645 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.68 Mbit/s  
95th percentile per-packet one-way delay: 41.786 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 89.68 Mbit/s  
95th percentile per-packet one-way delay: 41.786 ms  
Loss rate: 0.29%

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



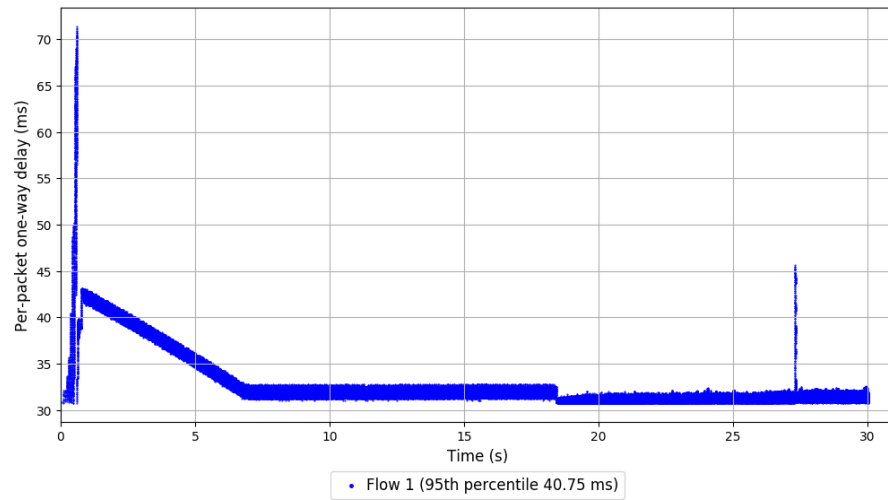
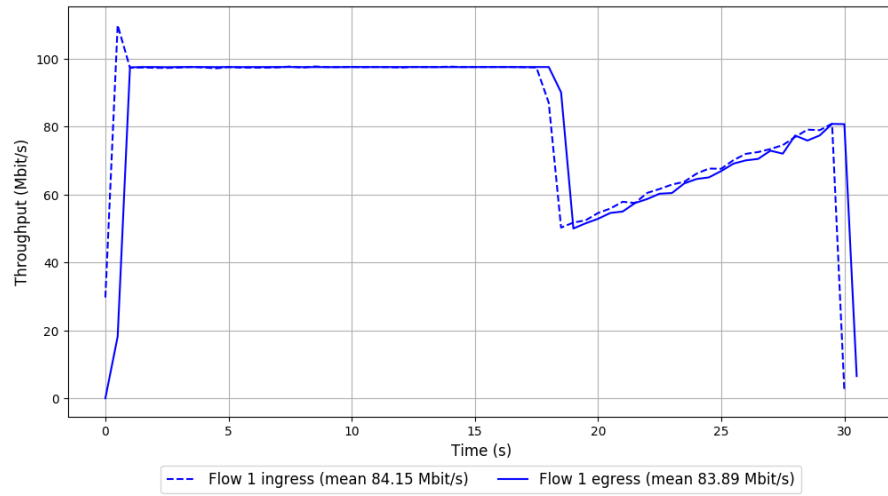
Run 7: Statistics of TCP Vegas

Start at: 2018-08-21 21:18:26  
End at: 2018-08-21 21:18:56  
Local clock offset: -0.687 ms  
Remote clock offset: -0.751 ms

# Below is generated by plot.py at 2018-08-21 23:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.89 Mbit/s  
95th percentile per-packet one-way delay: 40.751 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 83.89 Mbit/s  
95th percentile per-packet one-way delay: 40.751 ms  
Loss rate: 0.31%



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



Run 8: Statistics of TCP Vegas

Start at: 2018-08-21 21:40:45

End at: 2018-08-21 21:41:15

Local clock offset: 0.584 ms

Remote clock offset: -0.82 ms

# Below is generated by plot.py at 2018-08-21 23:02:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 42.520 ms

Loss rate: 0.32%

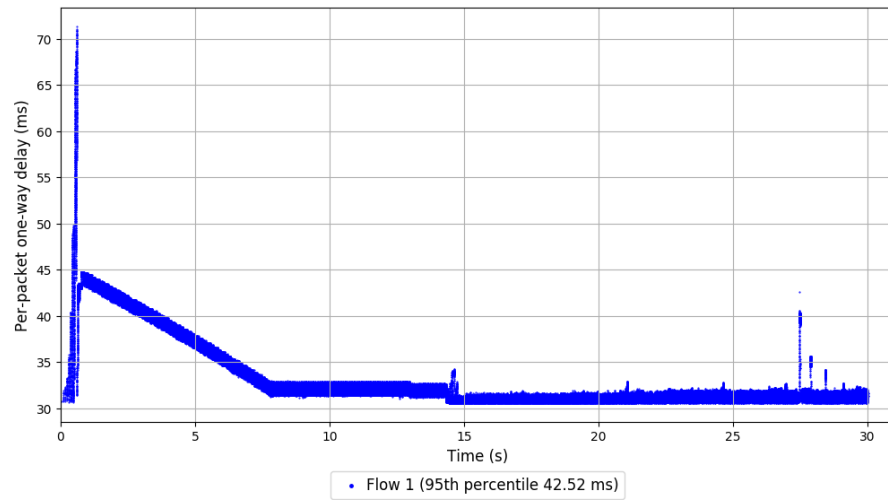
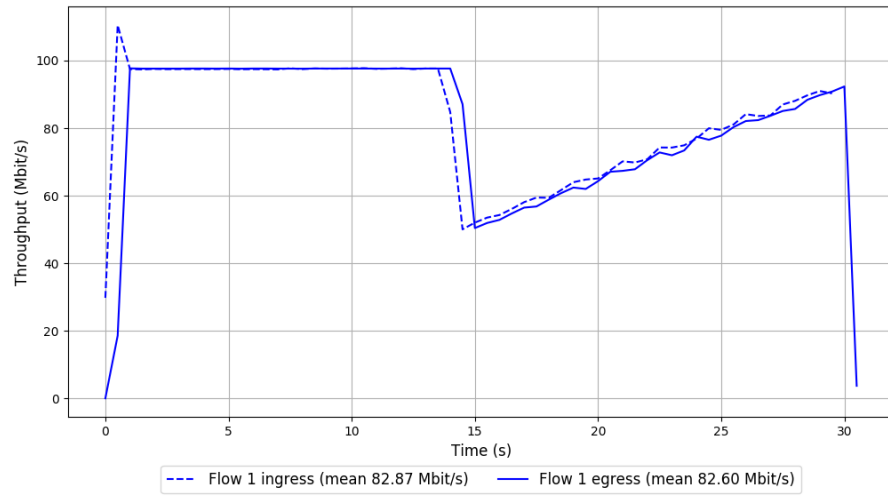
-- Flow 1:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 42.520 ms

Loss rate: 0.32%

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

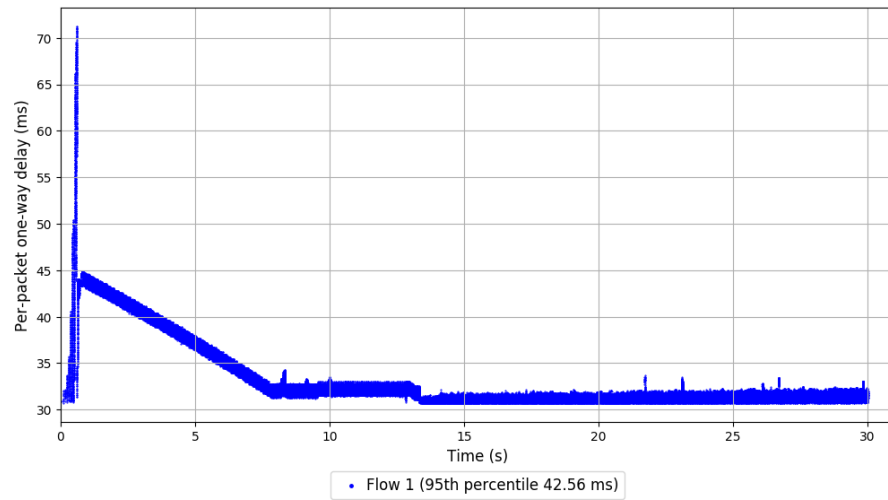
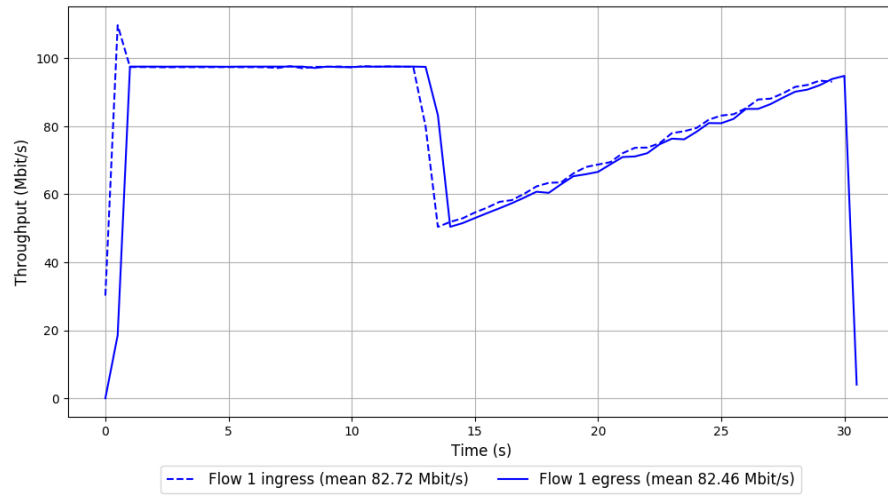


Run 9: Statistics of TCP Vegas

Start at: 2018-08-21 22:02:58  
End at: 2018-08-21 22:03:28  
Local clock offset: 0.048 ms  
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-08-21 23:02:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.46 Mbit/s  
95th percentile per-packet one-way delay: 42.556 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 82.46 Mbit/s  
95th percentile per-packet one-way delay: 42.556 ms  
Loss rate: 0.31%

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

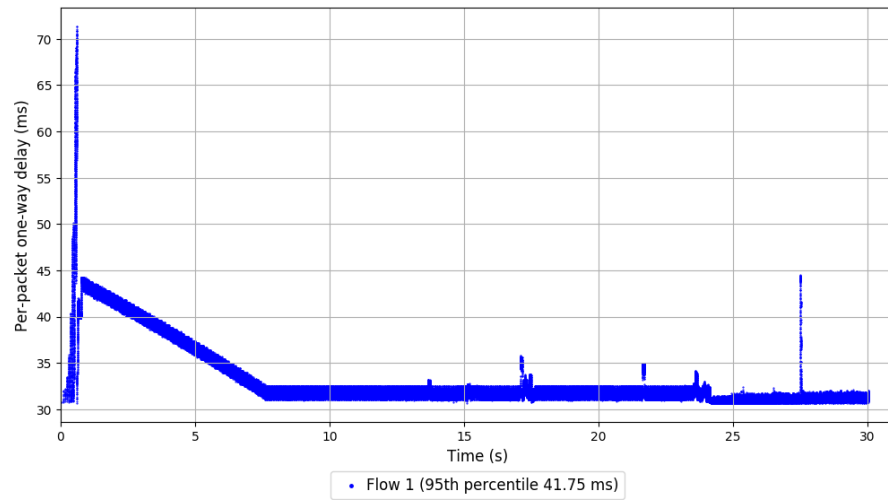
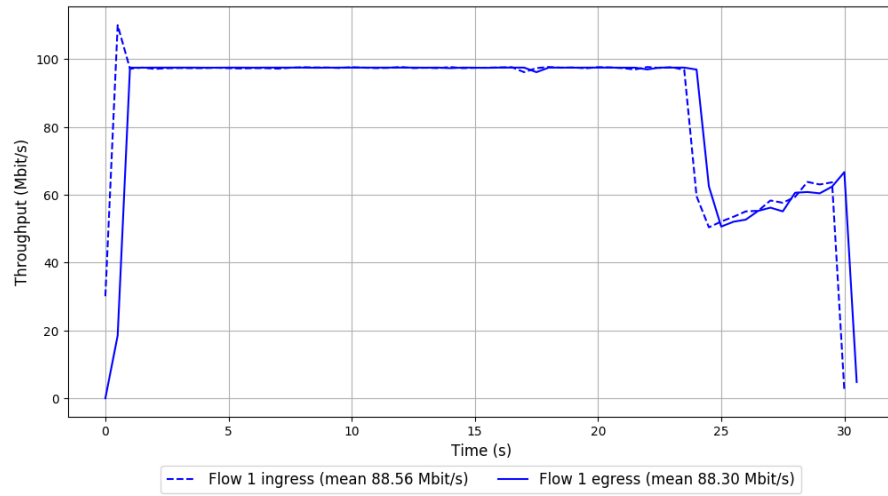


Run 10: Statistics of TCP Vegas

Start at: 2018-08-21 22:25:21  
End at: 2018-08-21 22:25:51  
Local clock offset: 0.125 ms  
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-08-21 23:02:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.30 Mbit/s  
95th percentile per-packet one-way delay: 41.749 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 88.30 Mbit/s  
95th percentile per-packet one-way delay: 41.749 ms  
Loss rate: 0.30%

# Run 10: Report of TCP Vegas — Data Link



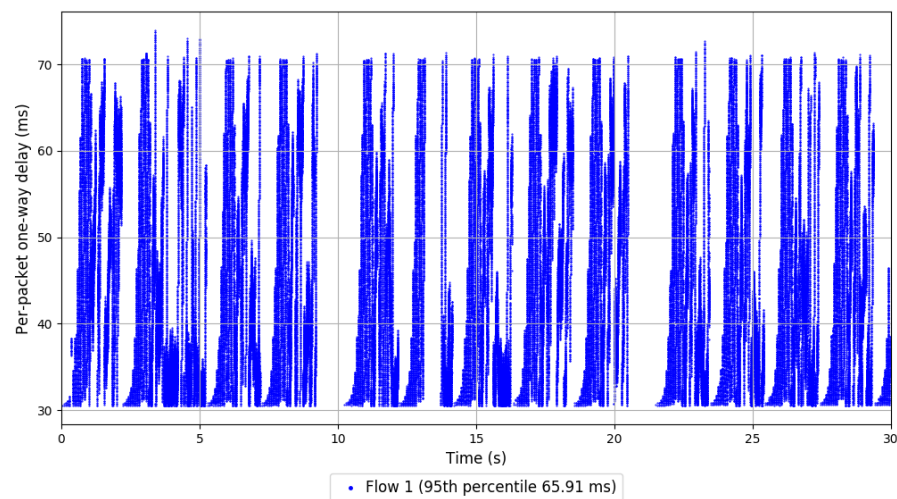
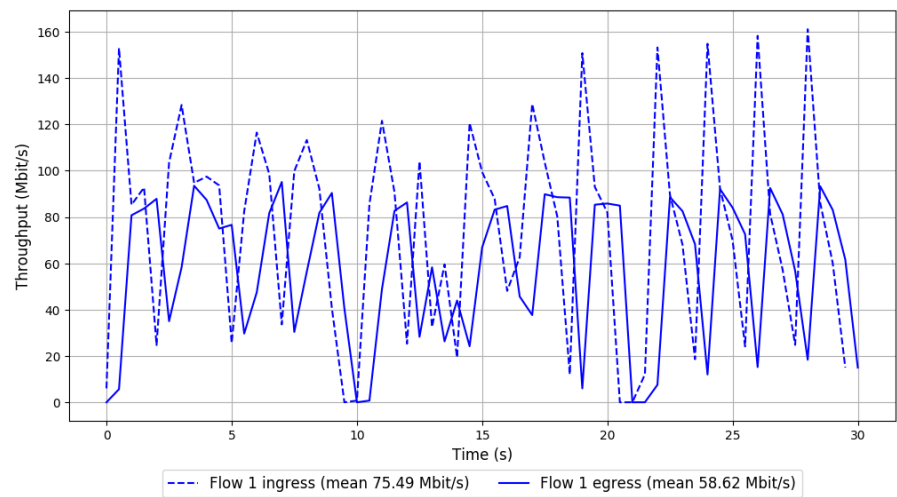
Run 1: Statistics of Verus

Start at: 2018-08-21 19:17:55  
End at: 2018-08-21 19:18:25  
Local clock offset: -4.658 ms  
Remote clock offset: -1.004 ms

# Below is generated by plot.py at 2018-08-21 23:02:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.62 Mbit/s  
95th percentile per-packet one-way delay: 65.907 ms  
Loss rate: 22.34%  
-- Flow 1:  
Average throughput: 58.62 Mbit/s  
95th percentile per-packet one-way delay: 65.907 ms  
Loss rate: 22.34%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-21 19:40:12

End at: 2018-08-21 19:40:42

Local clock offset: -4.283 ms

Remote clock offset: -1.0 ms

# Below is generated by plot.py at 2018-08-21 23:03:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.44 Mbit/s

95th percentile per-packet one-way delay: 124.328 ms

Loss rate: 83.39%

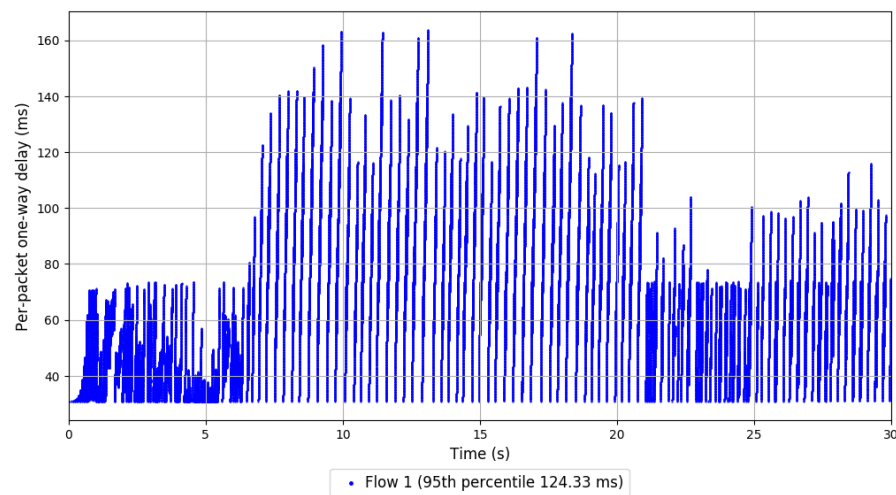
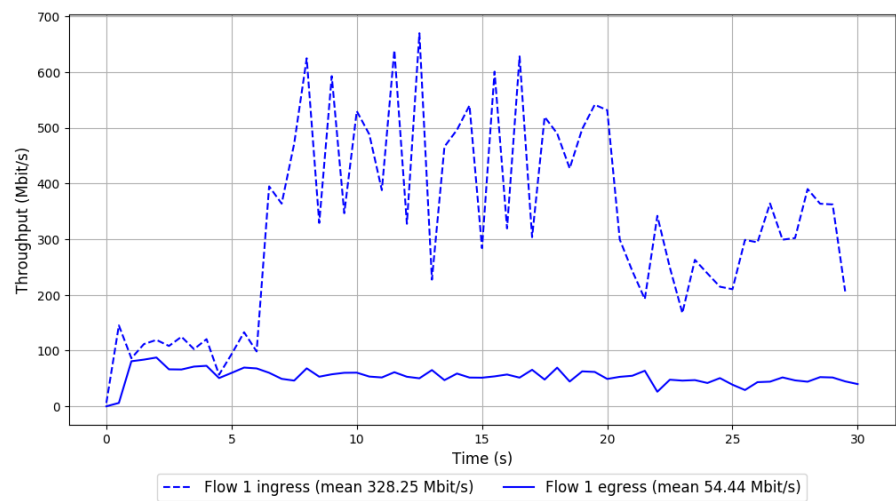
-- Flow 1:

Average throughput: 54.44 Mbit/s

95th percentile per-packet one-way delay: 124.328 ms

Loss rate: 83.39%

Run 2: Report of Verus — Data Link

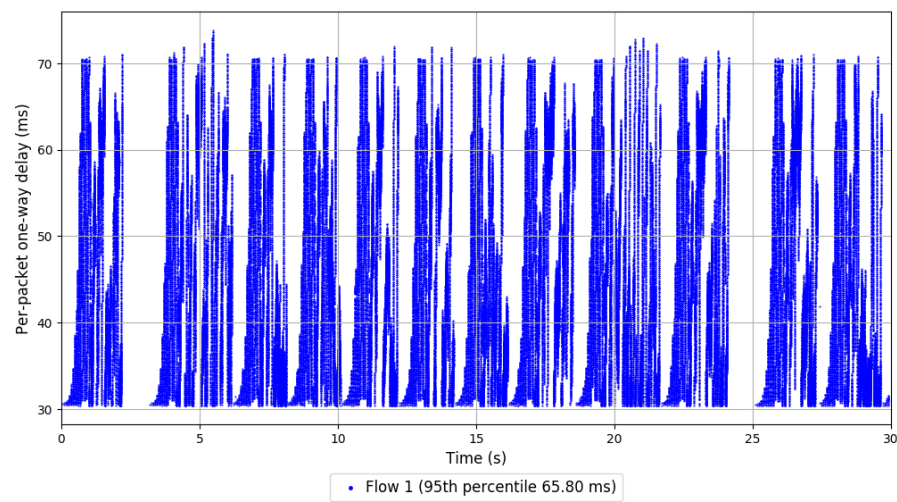
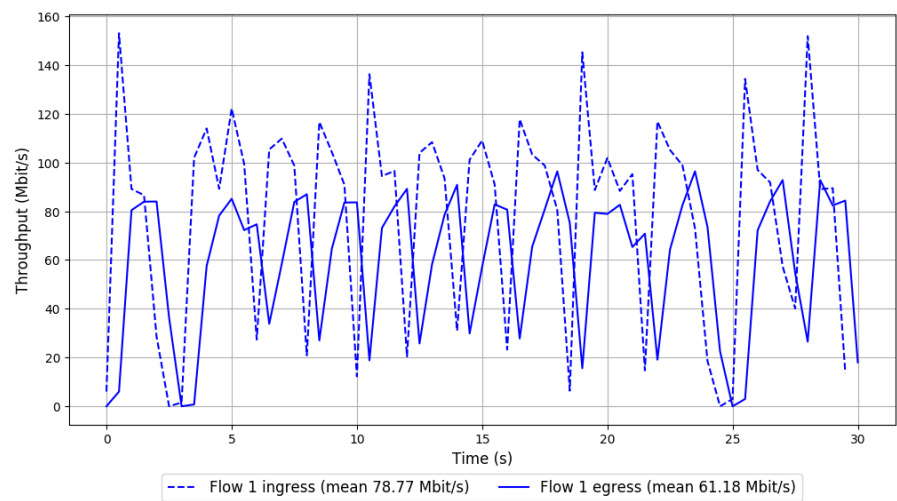


Run 3: Statistics of Verus

Start at: 2018-08-21 20:02:31  
End at: 2018-08-21 20:03:01  
Local clock offset: -2.63 ms  
Remote clock offset: -0.729 ms

# Below is generated by plot.py at 2018-08-21 23:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.18 Mbit/s  
95th percentile per-packet one-way delay: 65.802 ms  
Loss rate: 22.33%  
-- Flow 1:  
Average throughput: 61.18 Mbit/s  
95th percentile per-packet one-way delay: 65.802 ms  
Loss rate: 22.33%

Run 3: Report of Verus — Data Link

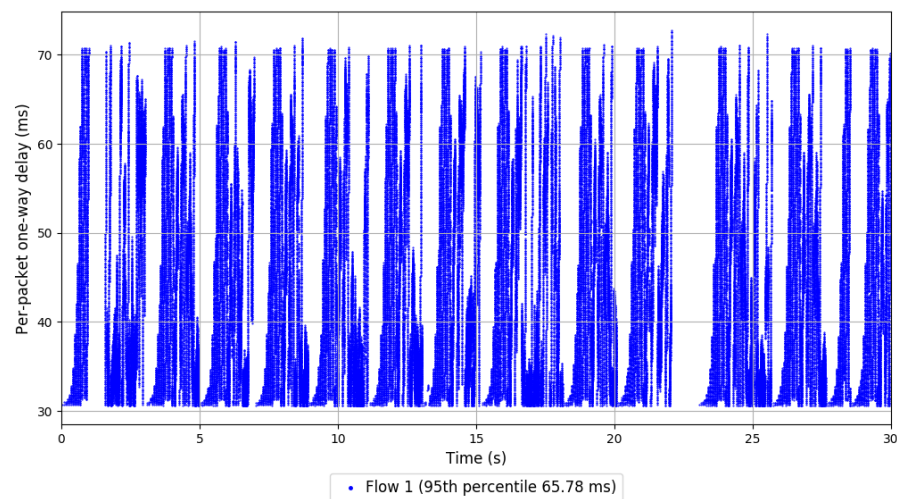
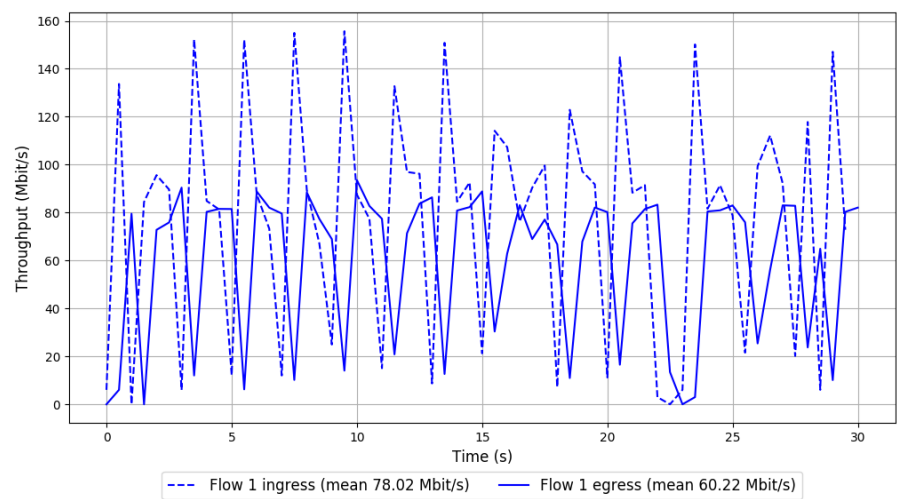


Run 4: Statistics of Verus

Start at: 2018-08-21 20:24:47  
End at: 2018-08-21 20:25:17  
Local clock offset: -4.471 ms  
Remote clock offset: -0.352 ms

# Below is generated by plot.py at 2018-08-21 23:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.22 Mbit/s  
95th percentile per-packet one-way delay: 65.783 ms  
Loss rate: 22.72%  
-- Flow 1:  
Average throughput: 60.22 Mbit/s  
95th percentile per-packet one-way delay: 65.783 ms  
Loss rate: 22.72%

Run 4: Report of Verus — Data Link



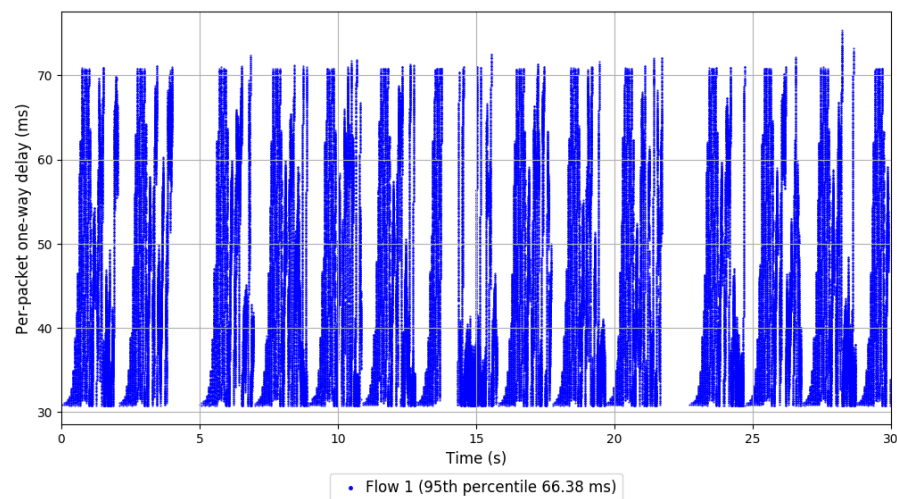
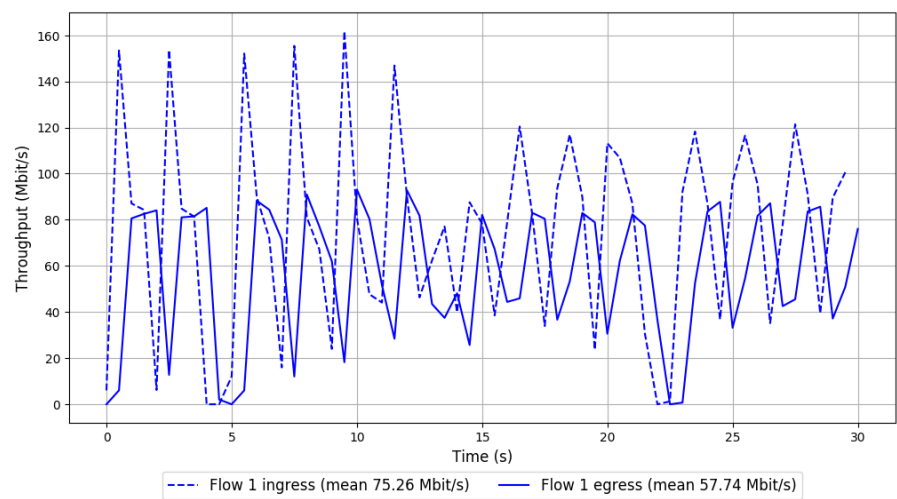
Run 5: Statistics of Verus

Start at: 2018-08-21 20:47:01  
End at: 2018-08-21 20:47:31  
Local clock offset: -4.096 ms  
Remote clock offset: -0.482 ms

# Below is generated by plot.py at 2018-08-21 23:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.74 Mbit/s  
95th percentile per-packet one-way delay: 66.381 ms  
Loss rate: 23.28%  
-- Flow 1:  
Average throughput: 57.74 Mbit/s  
95th percentile per-packet one-way delay: 66.381 ms  
Loss rate: 23.28%



Run 5: Report of Verus — Data Link

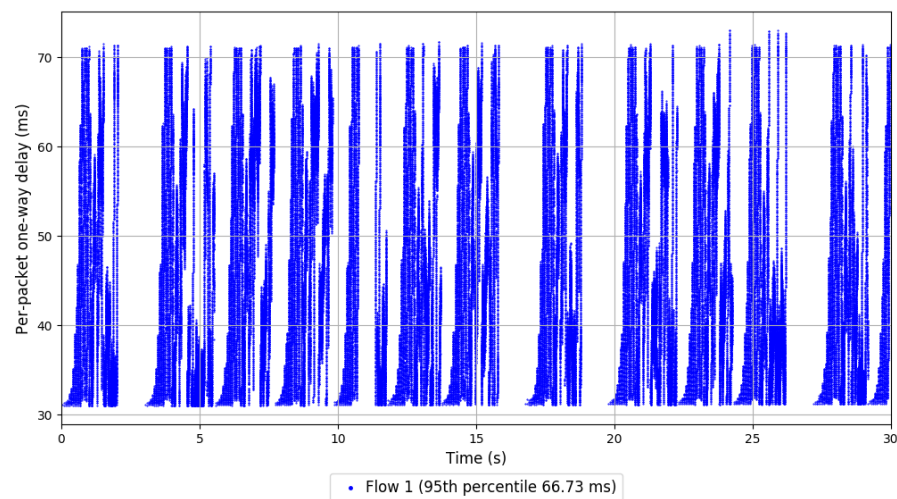
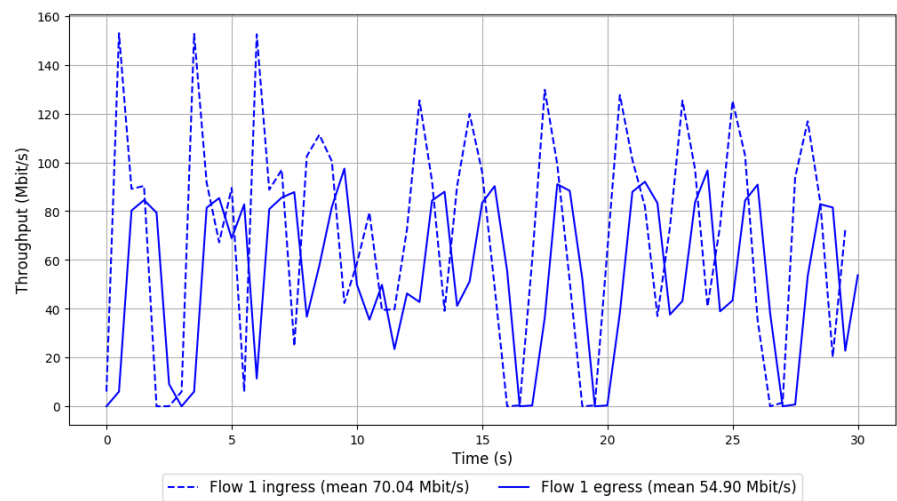


Run 6: Statistics of Verus

Start at: 2018-08-21 21:09:14  
End at: 2018-08-21 21:09:44  
Local clock offset: -3.327 ms  
Remote clock offset: -0.585 ms

# Below is generated by plot.py at 2018-08-21 23:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.90 Mbit/s  
95th percentile per-packet one-way delay: 66.734 ms  
Loss rate: 21.53%  
-- Flow 1:  
Average throughput: 54.90 Mbit/s  
95th percentile per-packet one-way delay: 66.734 ms  
Loss rate: 21.53%

Run 6: Report of Verus — Data Link

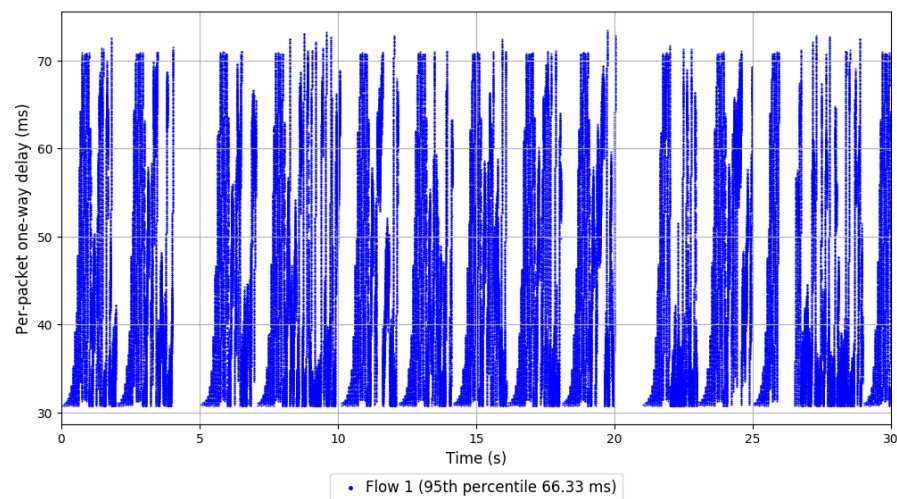
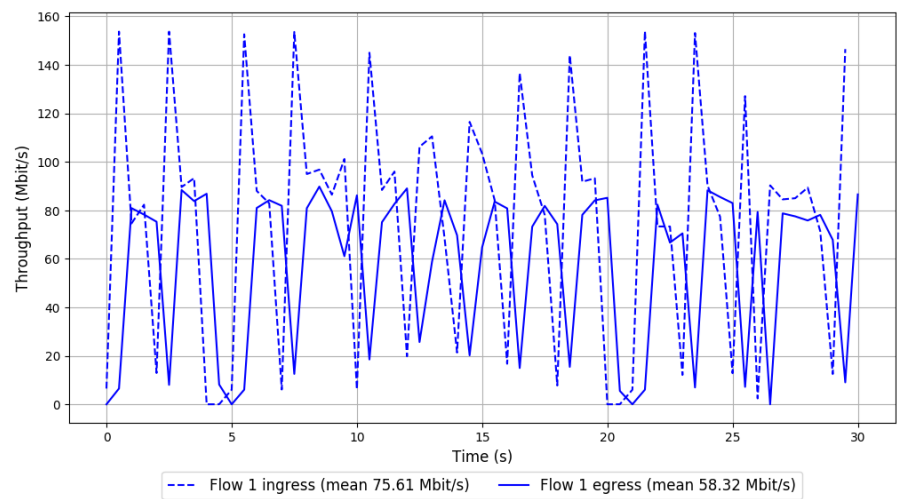


Run 7: Statistics of Verus

Start at: 2018-08-21 21:31:31  
End at: 2018-08-21 21:32:01  
Local clock offset: 0.465 ms  
Remote clock offset: -0.816 ms

# Below is generated by plot.py at 2018-08-21 23:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.32 Mbit/s  
95th percentile per-packet one-way delay: 66.330 ms  
Loss rate: 22.78%  
-- Flow 1:  
Average throughput: 58.32 Mbit/s  
95th percentile per-packet one-way delay: 66.330 ms  
Loss rate: 22.78%

Run 7: Report of Verus — Data Link

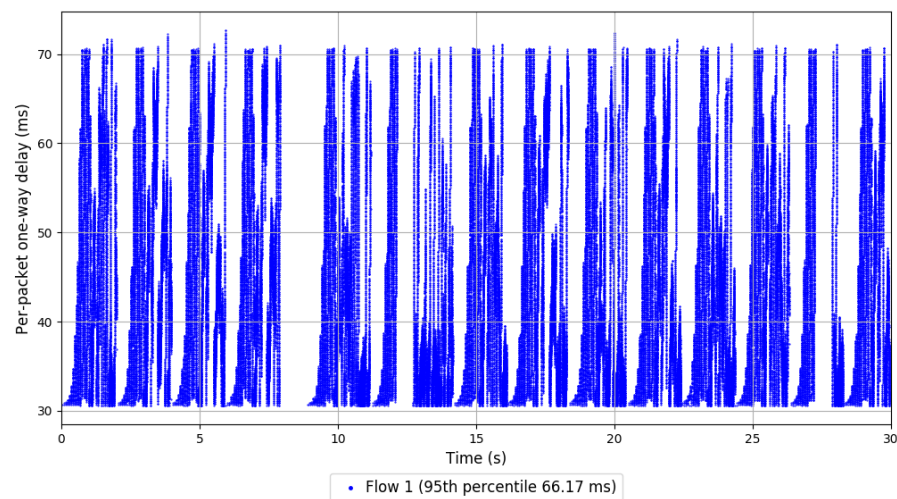
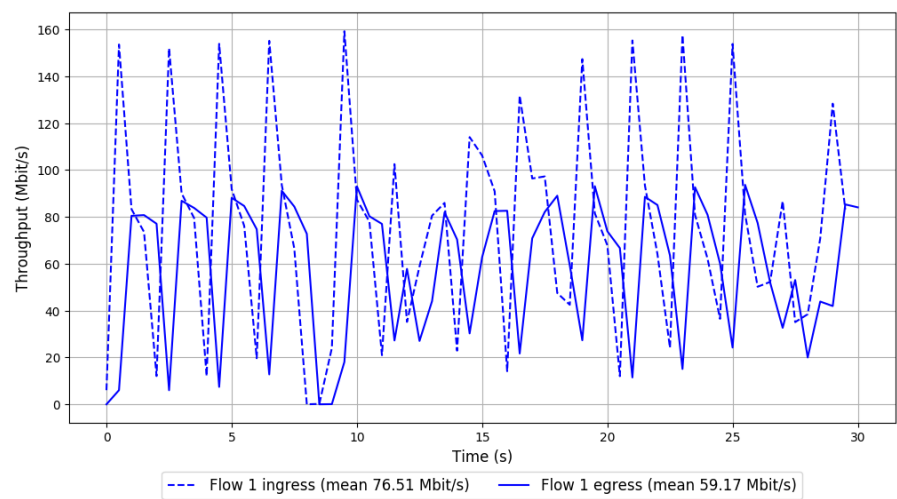


Run 8: Statistics of Verus

Start at: 2018-08-21 21:53:46  
End at: 2018-08-21 21:54:17  
Local clock offset: 0.162 ms  
Remote clock offset: -0.515 ms

# Below is generated by plot.py at 2018-08-21 23:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.17 Mbit/s  
95th percentile per-packet one-way delay: 66.170 ms  
Loss rate: 22.65%  
-- Flow 1:  
Average throughput: 59.17 Mbit/s  
95th percentile per-packet one-way delay: 66.170 ms  
Loss rate: 22.65%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

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

End at: 2018-08-21 22:16:38

Local clock offset: 0.104 ms

Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2018-08-21 23:03:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.64 Mbit/s

95th percentile per-packet one-way delay: 66.181 ms

Loss rate: 23.05%

-- Flow 1:

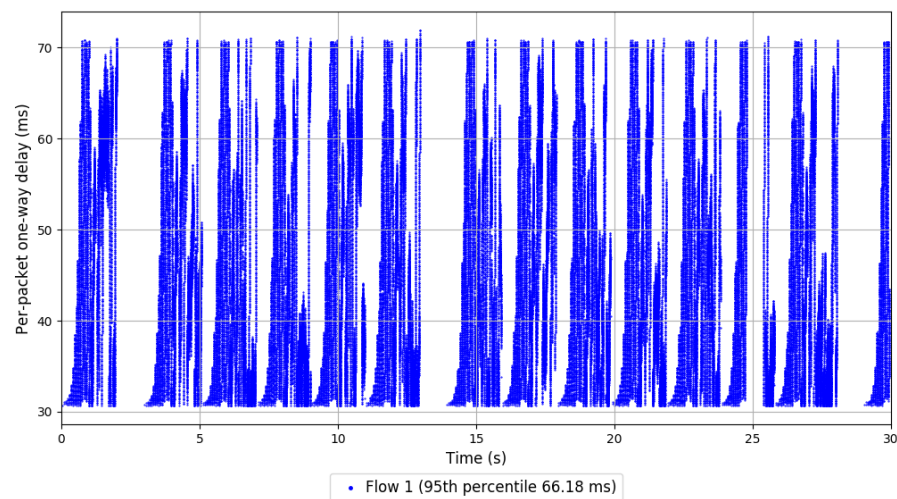
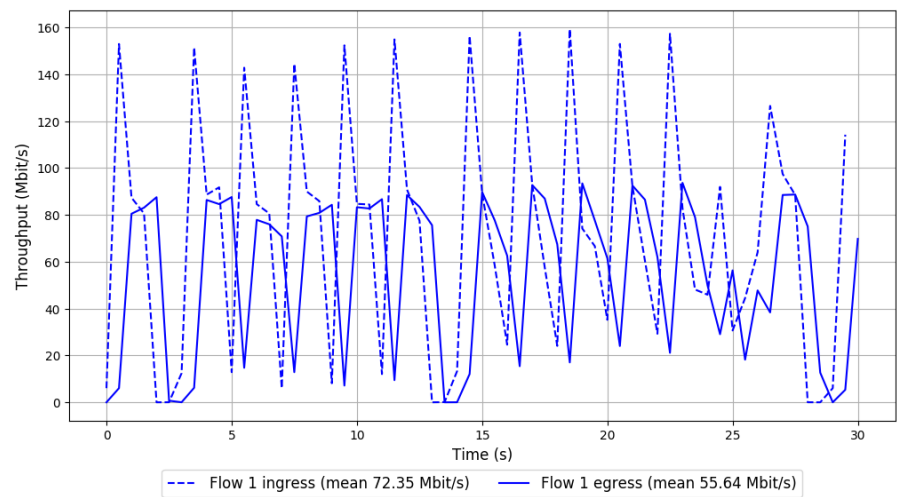
Average throughput: 55.64 Mbit/s

95th percentile per-packet one-way delay: 66.181 ms

Loss rate: 23.05%



Run 9: Report of Verus — Data Link

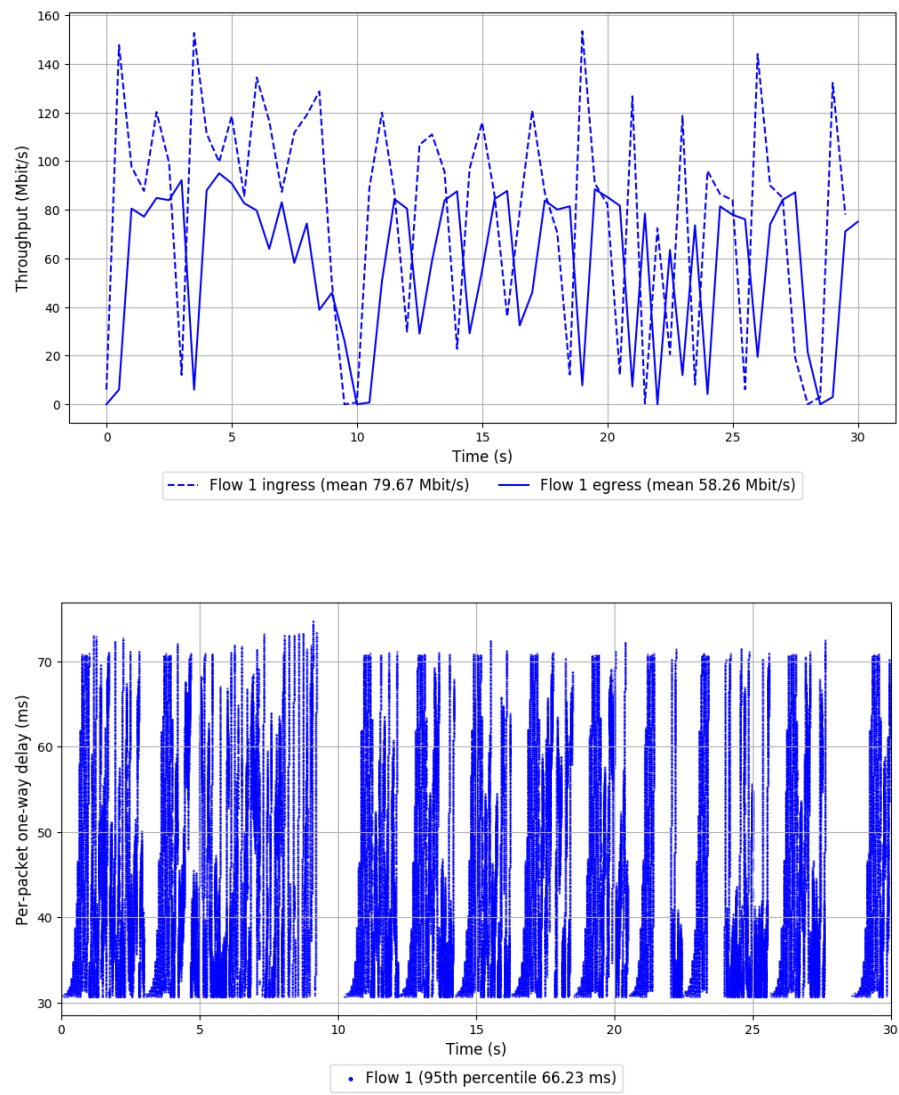


Run 10: Statistics of Verus

Start at: 2018-08-21 22:38:26  
End at: 2018-08-21 22:38:56  
Local clock offset: 0.023 ms  
Remote clock offset: -0.769 ms

# Below is generated by plot.py at 2018-08-21 23:03:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.26 Mbit/s  
95th percentile per-packet one-way delay: 66.226 ms  
Loss rate: 26.80%  
-- Flow 1:  
Average throughput: 58.26 Mbit/s  
95th percentile per-packet one-way delay: 66.226 ms  
Loss rate: 26.80%

Run 10: Report of Verus — Data Link

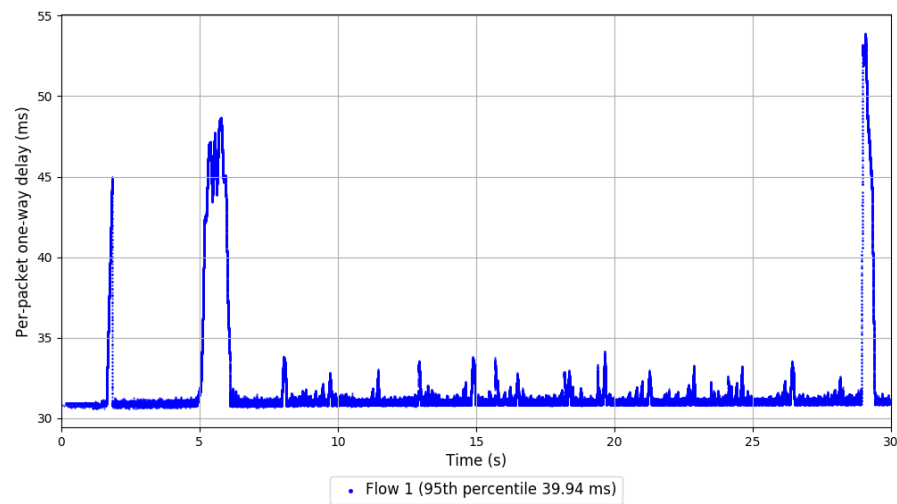
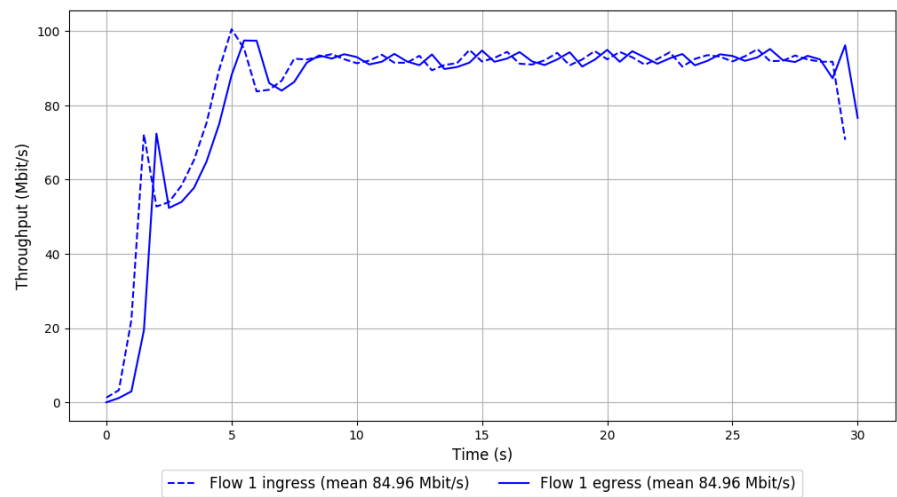


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-21 19:16:35  
End at: 2018-08-21 19:17:05  
Local clock offset: -4.927 ms  
Remote clock offset: -0.805 ms

# Below is generated by plot.py at 2018-08-21 23:04:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 39.935 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 39.935 ms  
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

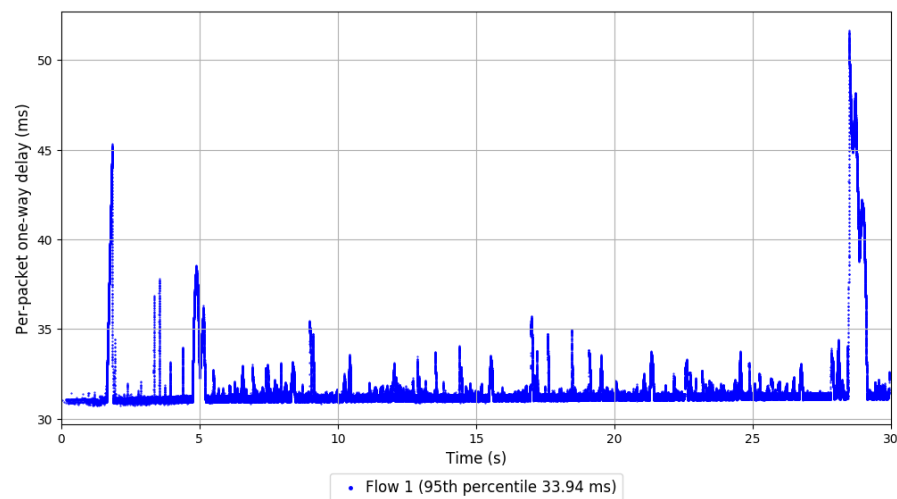
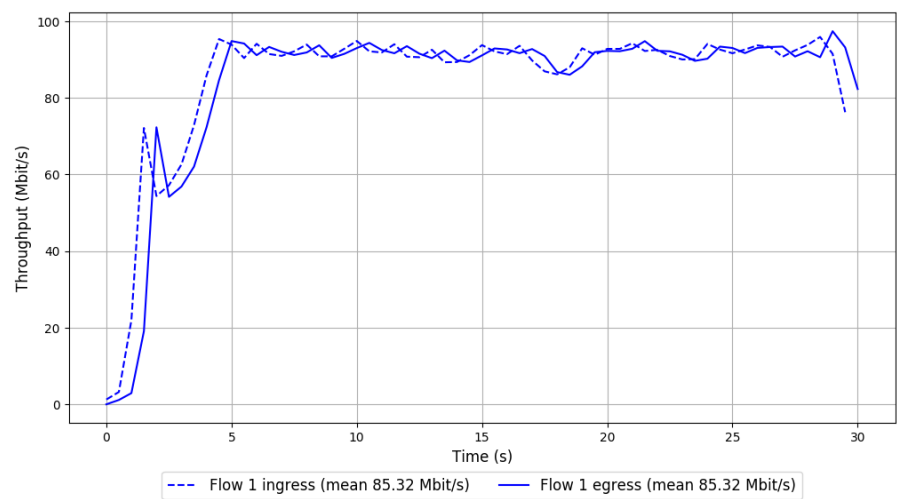


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-21 19:38:53  
End at: 2018-08-21 19:39:23  
Local clock offset: -4.824 ms  
Remote clock offset: -0.733 ms

# Below is generated by plot.py at 2018-08-21 23:04:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.32 Mbit/s  
95th percentile per-packet one-way delay: 33.935 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.32 Mbit/s  
95th percentile per-packet one-way delay: 33.935 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-21 20:01:12

End at: 2018-08-21 20:01:42

Local clock offset: -2.522 ms

Remote clock offset: -0.59 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 32.091 ms

Loss rate: 0.00%

-- Flow 1:

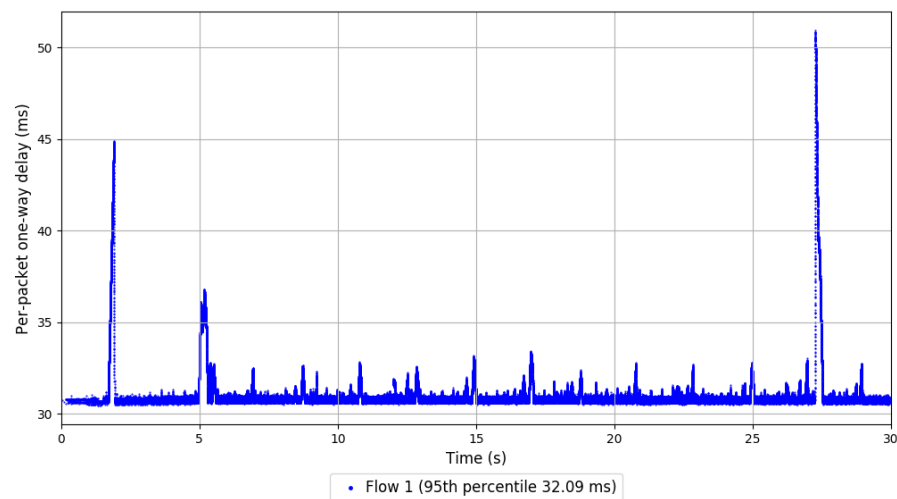
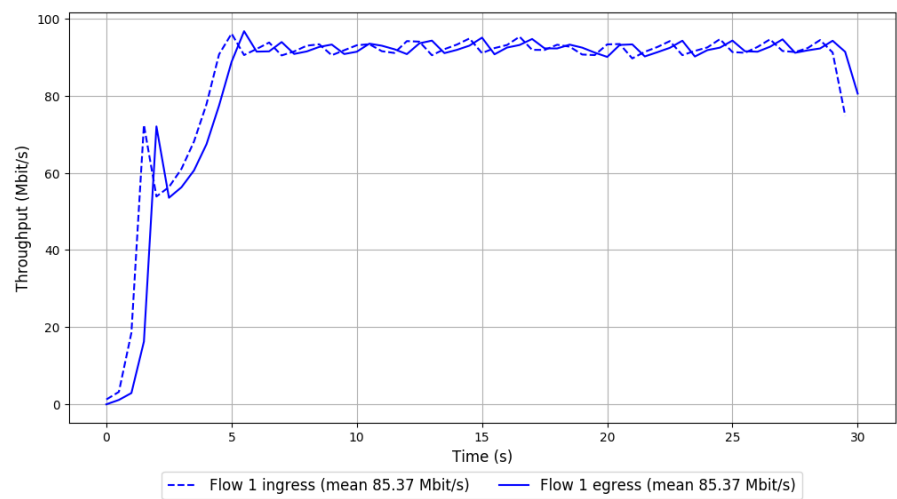
Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 32.091 ms

Loss rate: 0.00%



Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-21 20:23:27

End at: 2018-08-21 20:23:57

Local clock offset: -4.328 ms

Remote clock offset: -0.41 ms

# Below is generated by plot.py at 2018-08-21 23:04:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 32.533 ms

Loss rate: 0.00%

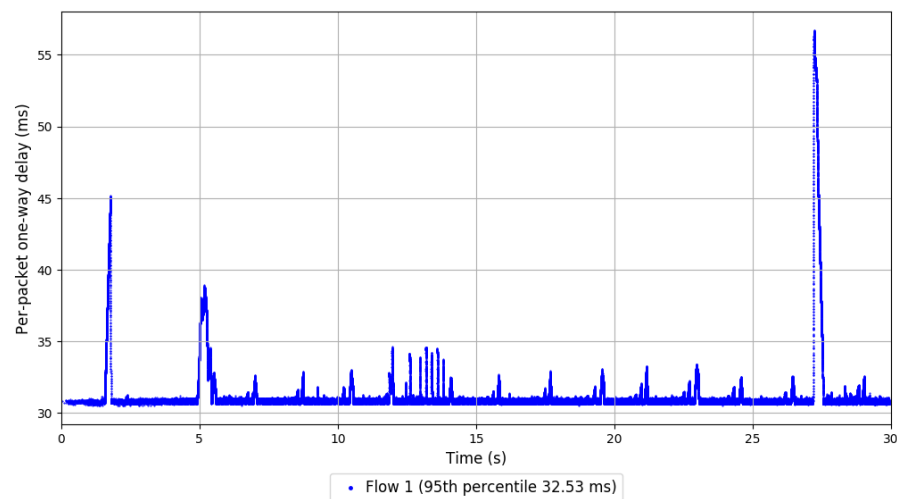
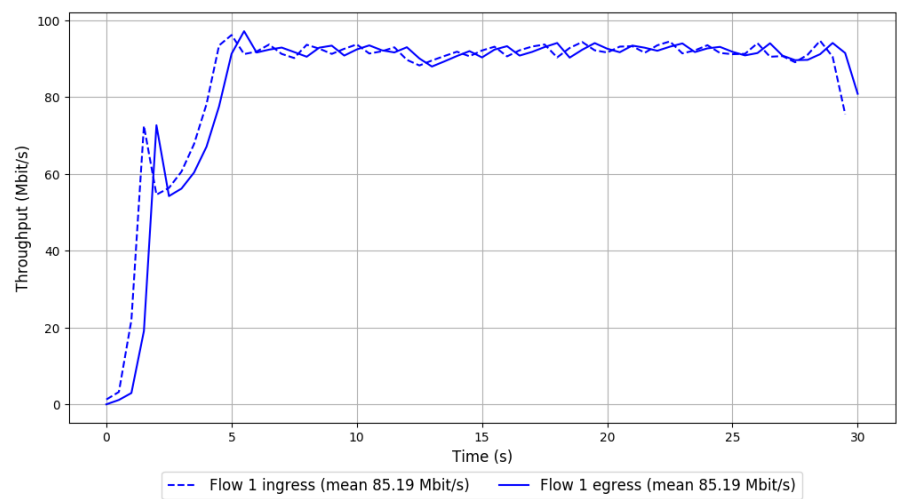
-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 32.533 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

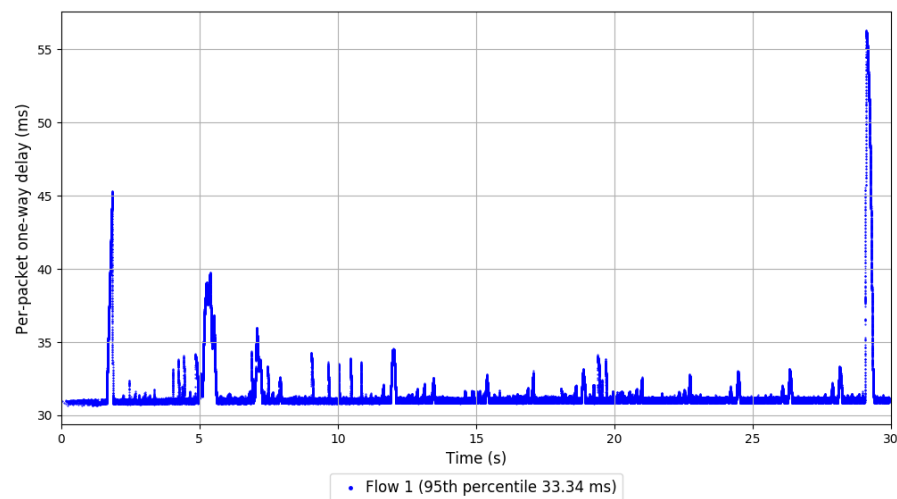
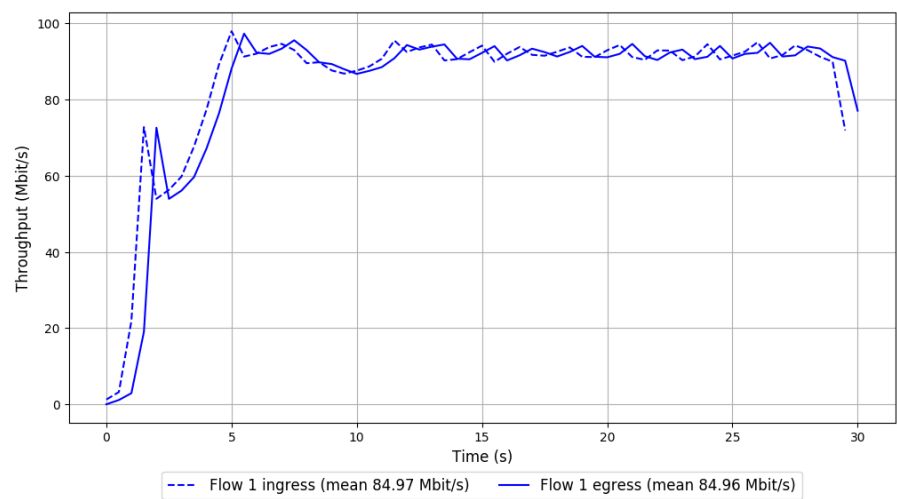


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-21 20:45:41  
End at: 2018-08-21 20:46:11  
Local clock offset: -4.178 ms  
Remote clock offset: -0.454 ms

# Below is generated by plot.py at 2018-08-21 23:04:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 33.342 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 33.342 ms  
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

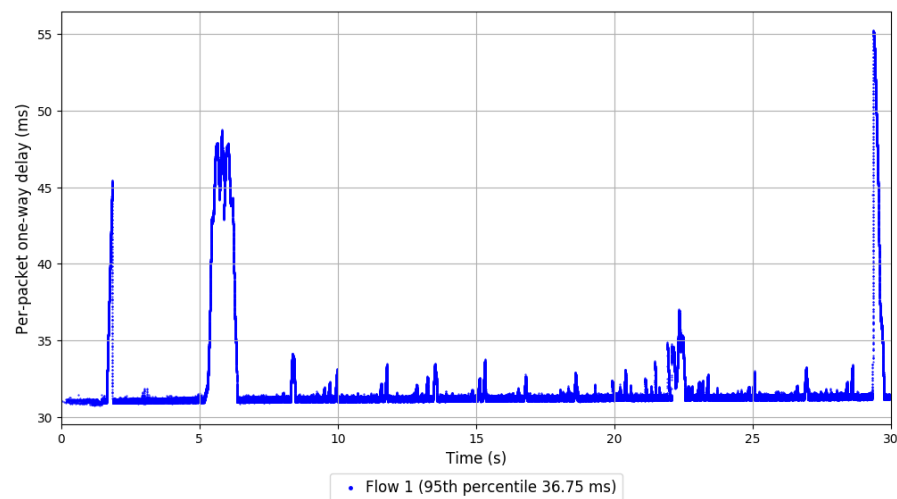
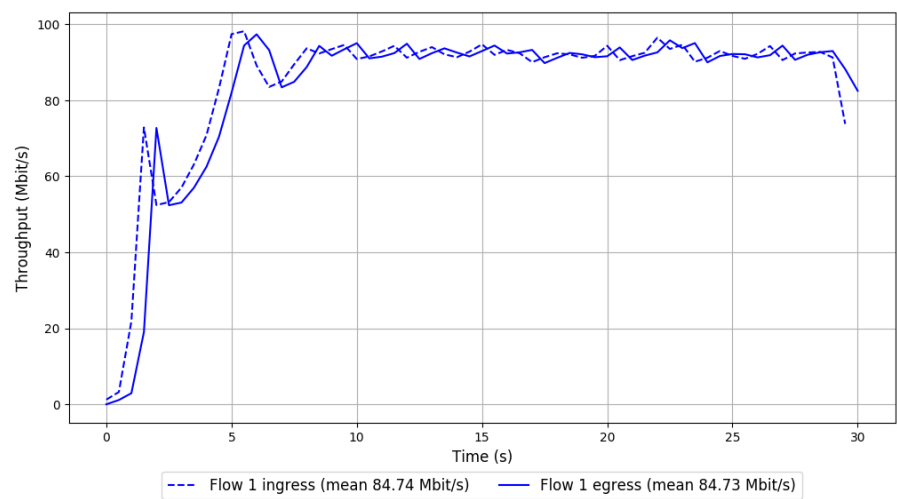


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-21 21:07:53  
End at: 2018-08-21 21:08:23  
Local clock offset: -3.956 ms  
Remote clock offset: -0.789 ms

# Below is generated by plot.py at 2018-08-21 23:04:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.73 Mbit/s  
95th percentile per-packet one-way delay: 36.746 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 84.73 Mbit/s  
95th percentile per-packet one-way delay: 36.746 ms  
Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link



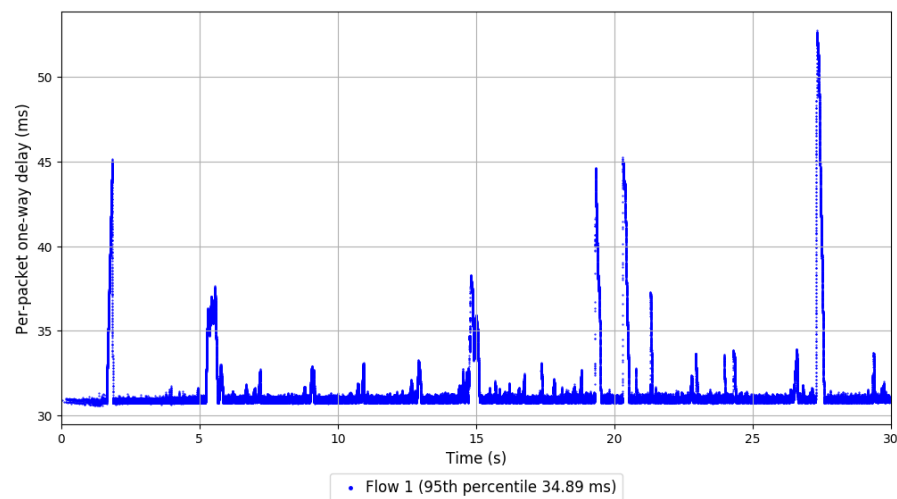
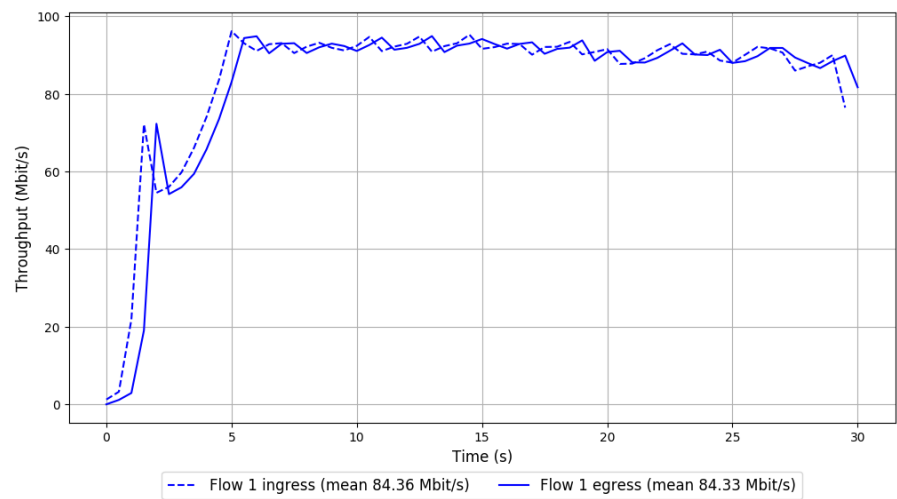
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-21 21:30:12  
End at: 2018-08-21 21:30:42  
Local clock offset: 0.485 ms  
Remote clock offset: -0.804 ms

# Below is generated by plot.py at 2018-08-21 23:04:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.33 Mbit/s  
95th percentile per-packet one-way delay: 34.894 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 84.33 Mbit/s  
95th percentile per-packet one-way delay: 34.894 ms  
Loss rate: 0.04%



Run 7: Report of PCC-Vivace — Data Link

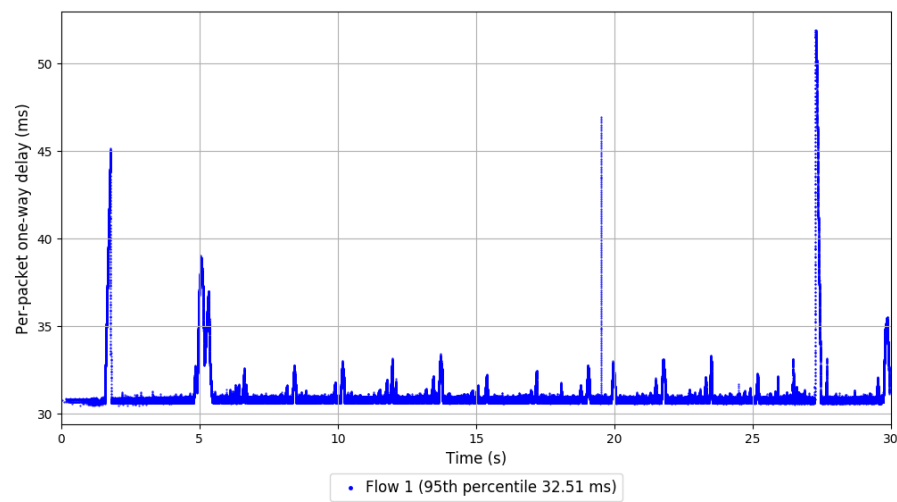
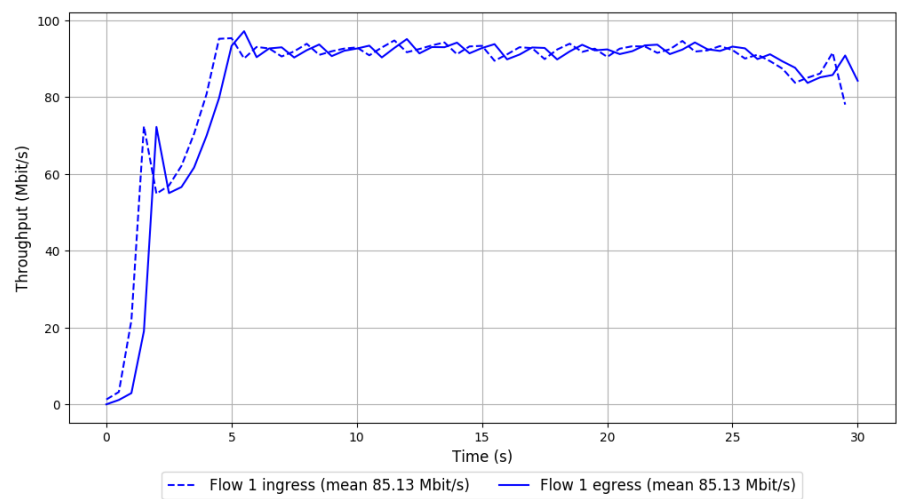


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-21 21:52:27  
End at: 2018-08-21 21:52:57  
Local clock offset: 0.273 ms  
Remote clock offset: -0.518 ms

# Below is generated by plot.py at 2018-08-21 23:04:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.13 Mbit/s  
95th percentile per-packet one-way delay: 32.505 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.13 Mbit/s  
95th percentile per-packet one-way delay: 32.505 ms  
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

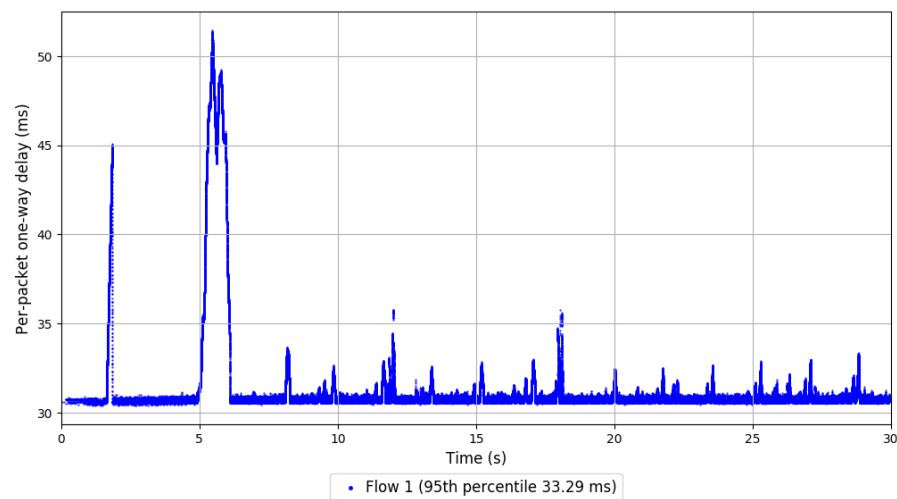
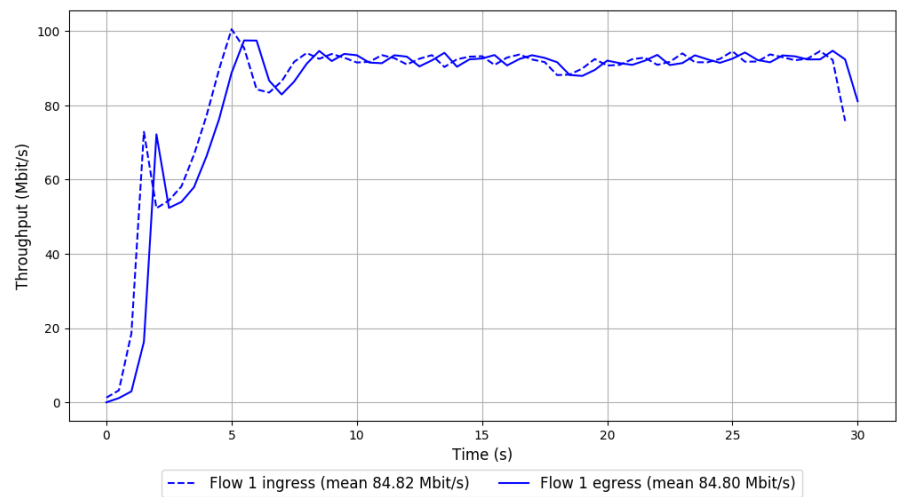


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-21 22:14:48  
End at: 2018-08-21 22:15:18  
Local clock offset: 0.03 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.80 Mbit/s  
95th percentile per-packet one-way delay: 33.286 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 84.80 Mbit/s  
95th percentile per-packet one-way delay: 33.286 ms  
Loss rate: 0.02%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-21 22:37:05

End at: 2018-08-21 22:37:35

Local clock offset: 0.062 ms

Remote clock offset: -0.747 ms

# Below is generated by plot.py at 2018-08-21 23:04:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 35.301 ms

Loss rate: 0.00%

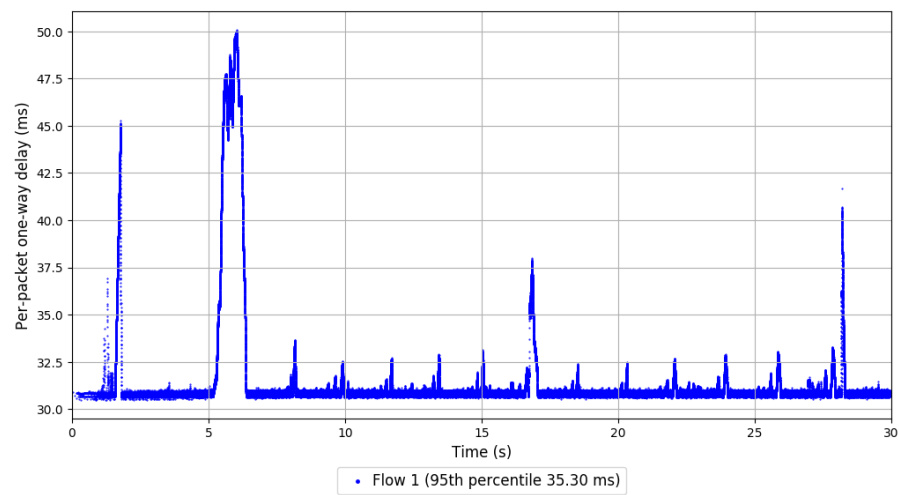
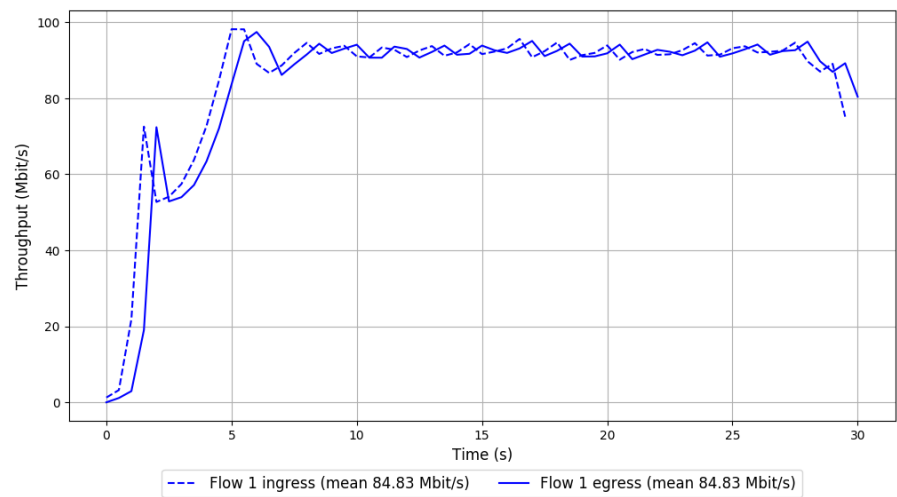
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 35.301 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



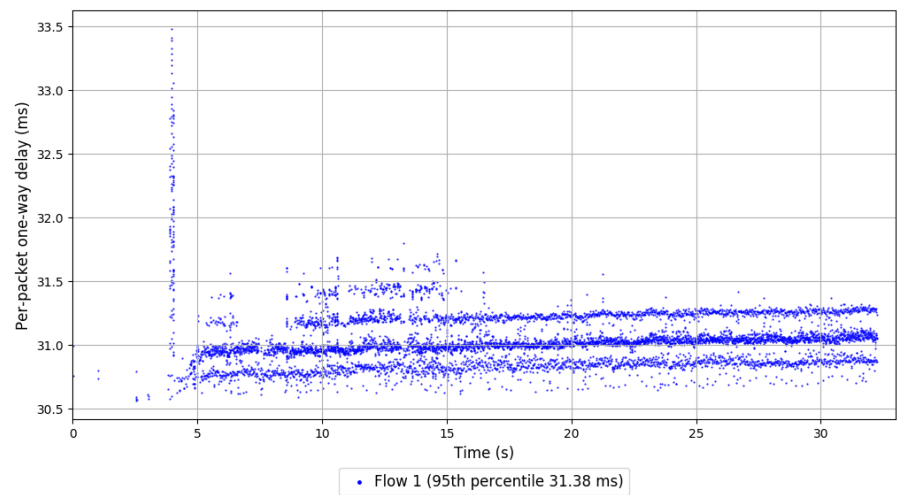
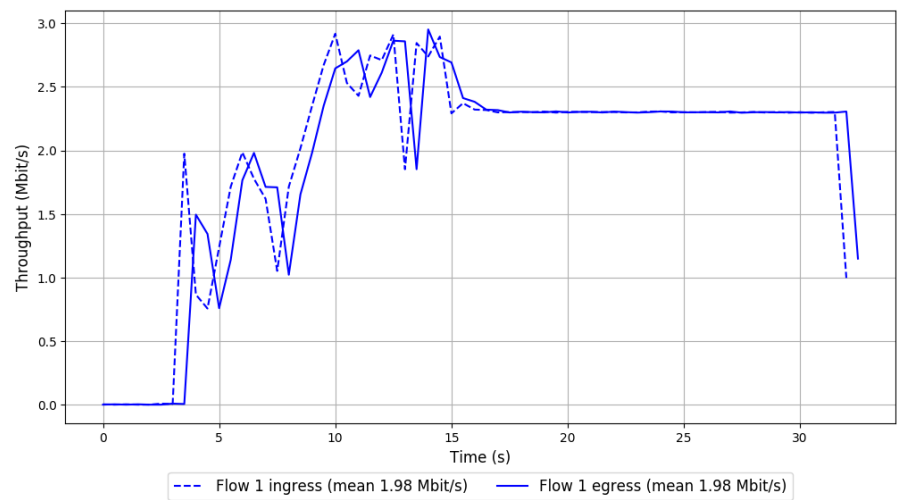
Run 1: Statistics of WebRTC media

Start at: 2018-08-21 19:15:20  
End at: 2018-08-21 19:15:50  
Local clock offset: -5.283 ms  
Remote clock offset: -0.916 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 31.382 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 31.382 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

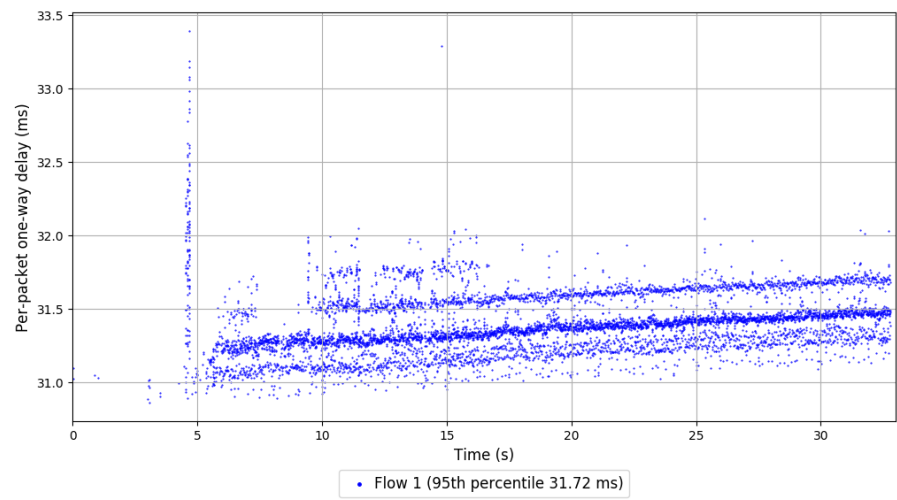
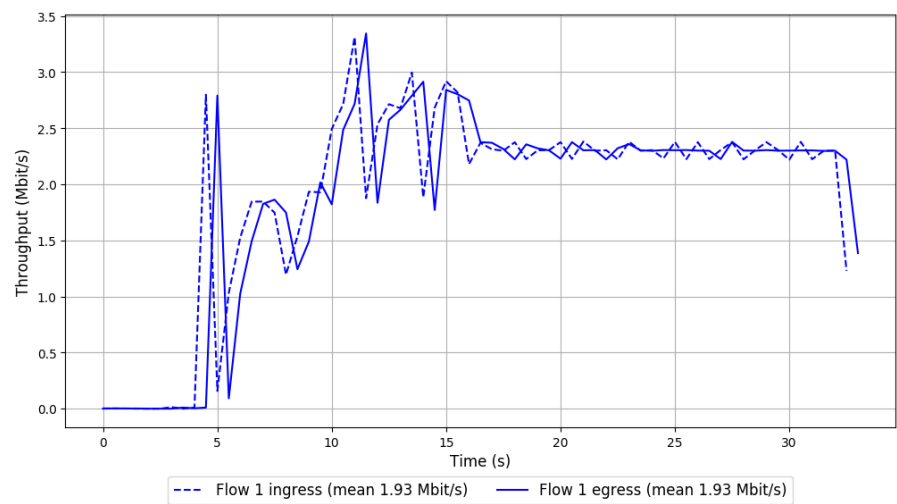


Run 2: Statistics of WebRTC media

Start at: 2018-08-21 19:37:37  
End at: 2018-08-21 19:38:07  
Local clock offset: -5.538 ms  
Remote clock offset: -0.772 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 31.720 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 31.720 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

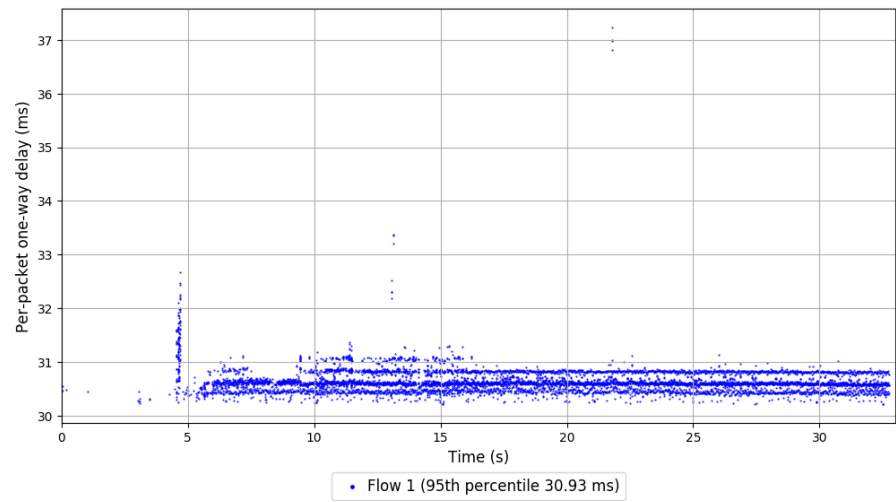
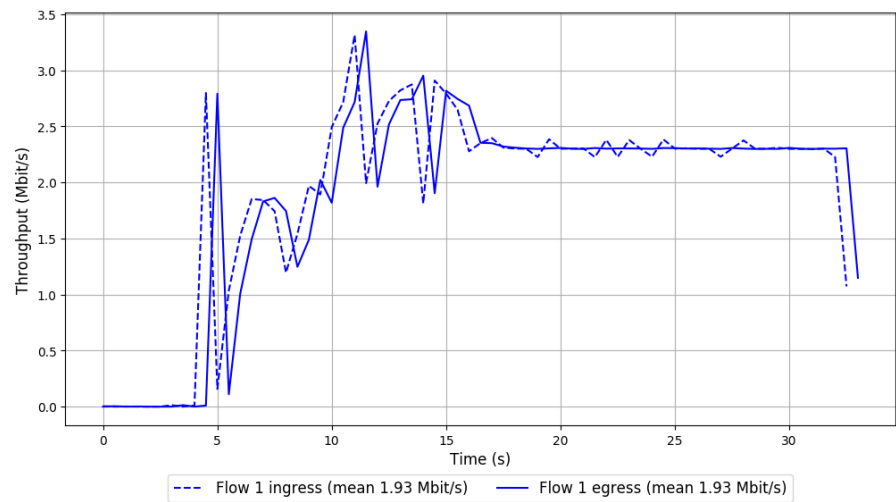


Run 3: Statistics of WebRTC media

Start at: 2018-08-21 19:59:56  
End at: 2018-08-21 20:00:26  
Local clock offset: -2.462 ms  
Remote clock offset: -0.834 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 30.933 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 30.933 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

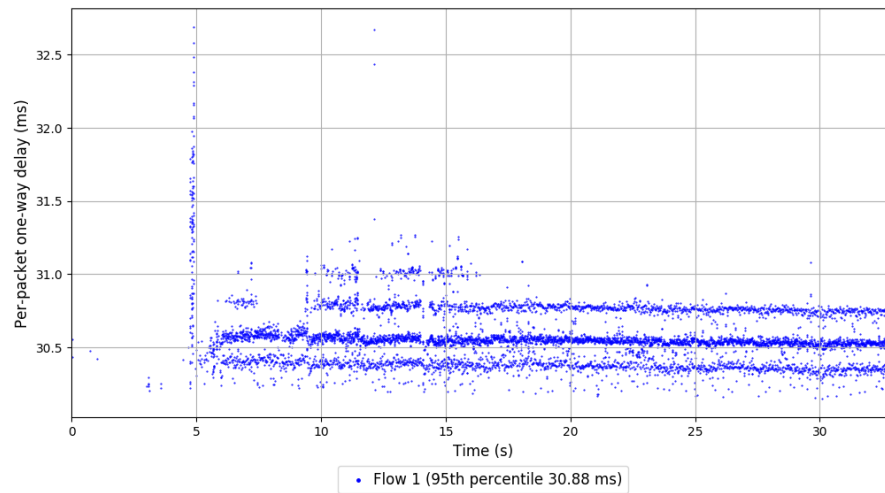
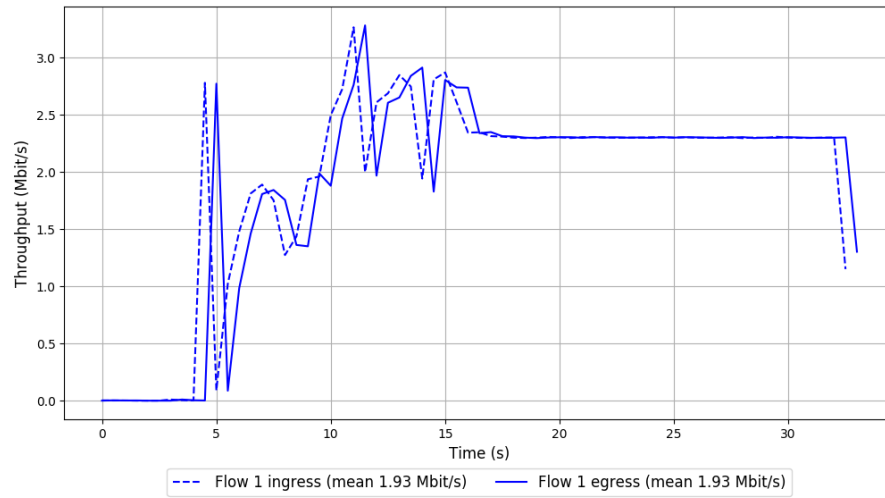


Run 4: Statistics of WebRTC media

Start at: 2018-08-21 20:22:12  
End at: 2018-08-21 20:22:42  
Local clock offset: -4.153 ms  
Remote clock offset: -0.659 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 30.877 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 30.877 ms  
Loss rate: 0.00%

#### Run 4: Report of WebRTC media — Data Link



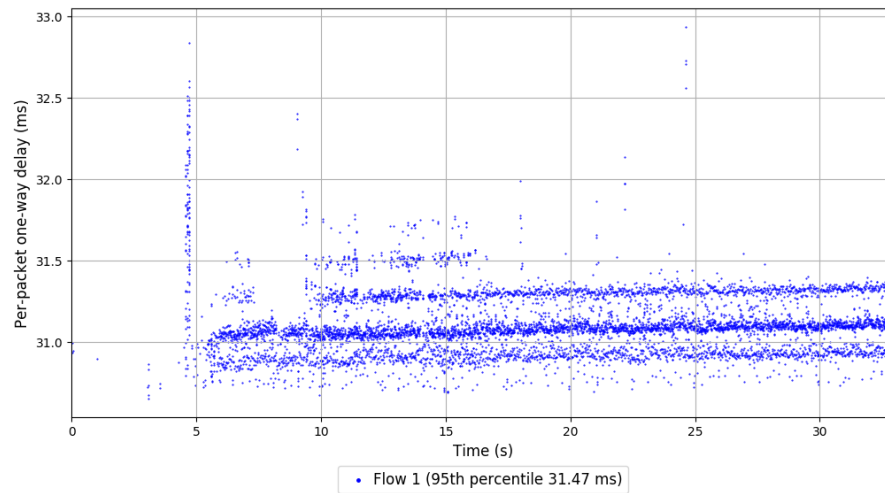
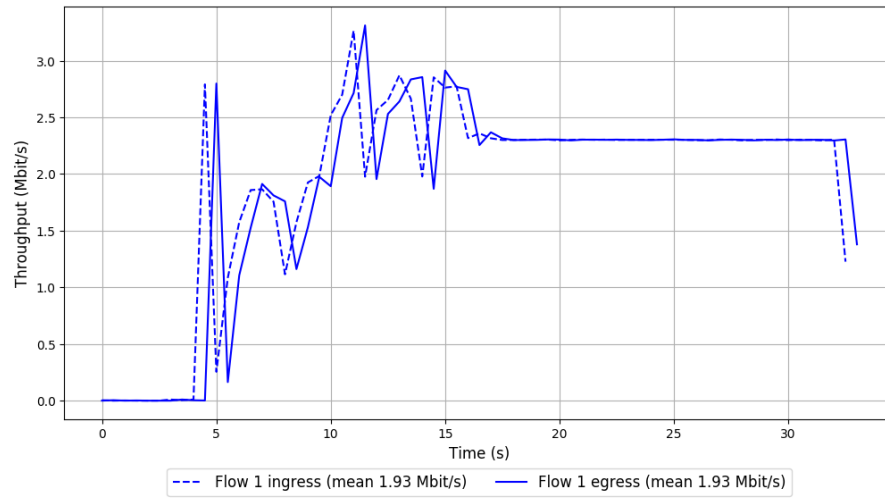
Run 5: Statistics of WebRTC media

Start at: 2018-08-21 20:44:26  
End at: 2018-08-21 20:44:56  
Local clock offset: -4.322 ms  
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 31.466 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 31.466 ms  
Loss rate: 0.00%



### Run 5: Report of WebRTC media — Data Link

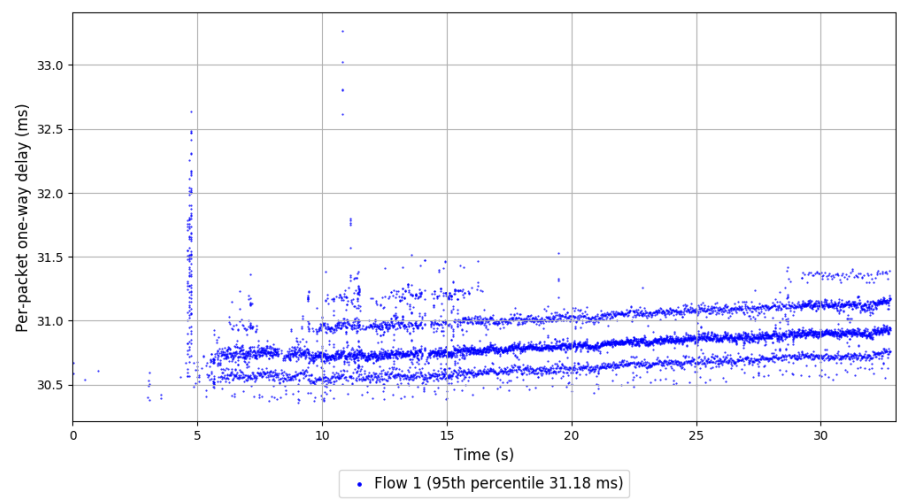
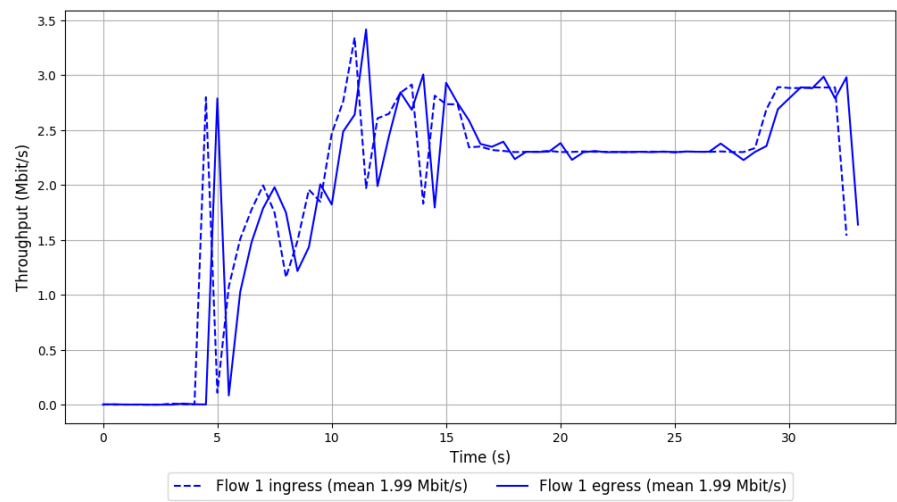


Run 6: Statistics of WebRTC media

Start at: 2018-08-21 21:06:38  
End at: 2018-08-21 21:07:08  
Local clock offset: -4.084 ms  
Remote clock offset: -0.647 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 31.177 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 31.177 ms  
Loss rate: 0.03%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-21 21:28:57

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

Local clock offset: 0.319 ms

Remote clock offset: -0.7 ms

# Below is generated by plot.py at 2018-08-21 23:04:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.514 ms

Loss rate: 0.00%

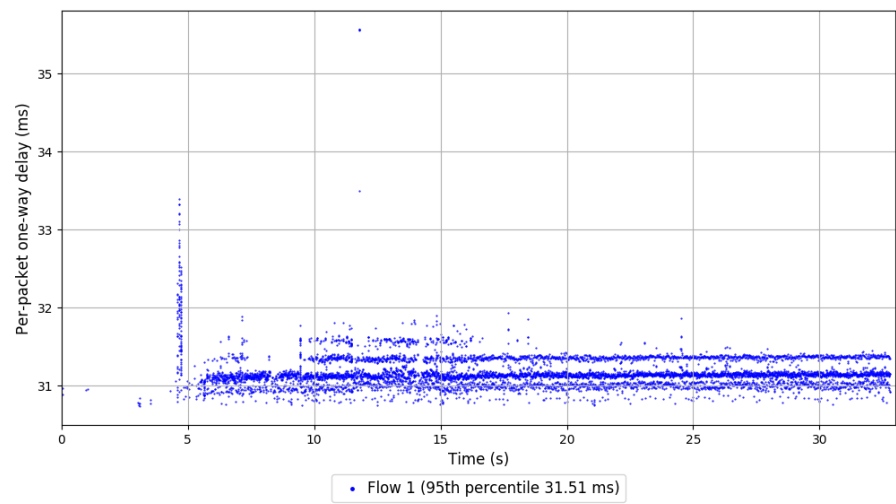
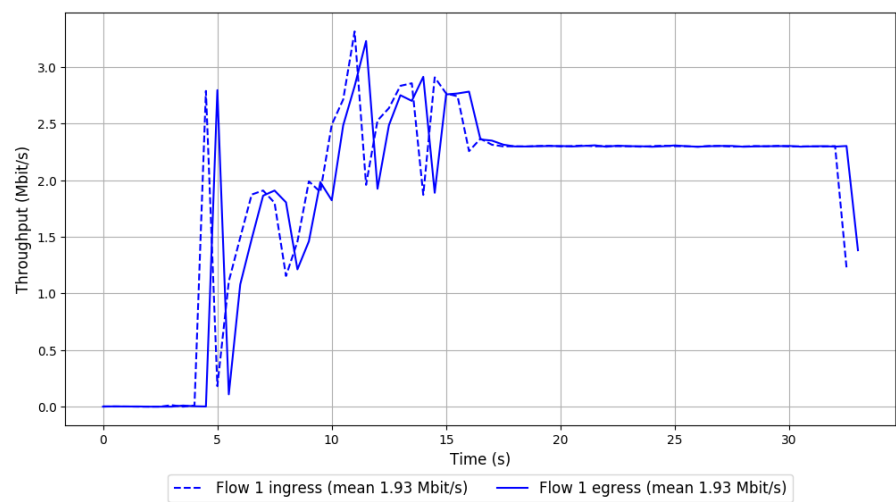
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.514 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

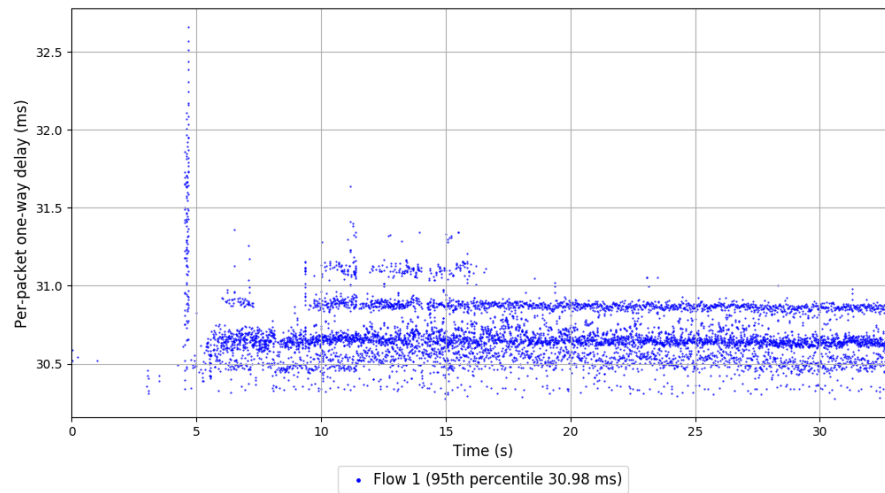
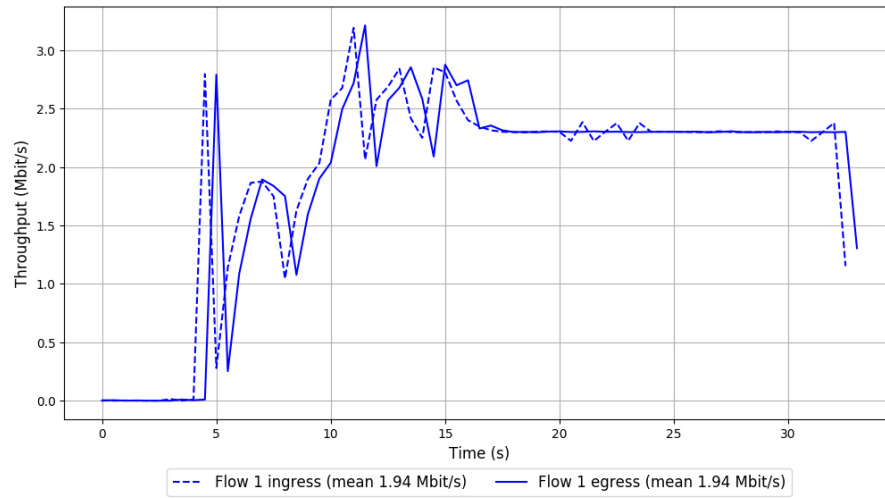


Run 8: Statistics of WebRTC media

Start at: 2018-08-21 21:51:12  
End at: 2018-08-21 21:51:42  
Local clock offset: 0.295 ms  
Remote clock offset: -0.763 ms

# Below is generated by plot.py at 2018-08-21 23:04:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 30.982 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 30.982 ms  
Loss rate: 0.00%

## Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-21 22:13:33

End at: 2018-08-21 22:14:03

Local clock offset: 0.12 ms

Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-08-21 23:04:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.236 ms

Loss rate: 0.00%

-- Flow 1:

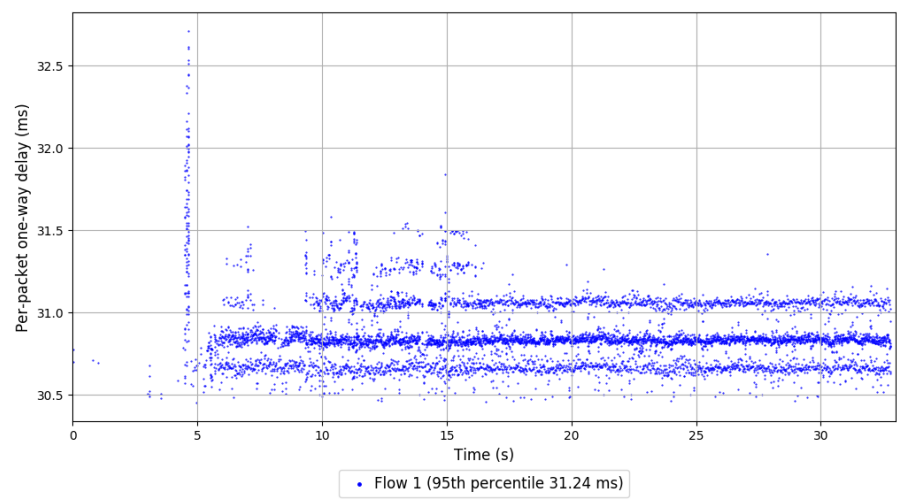
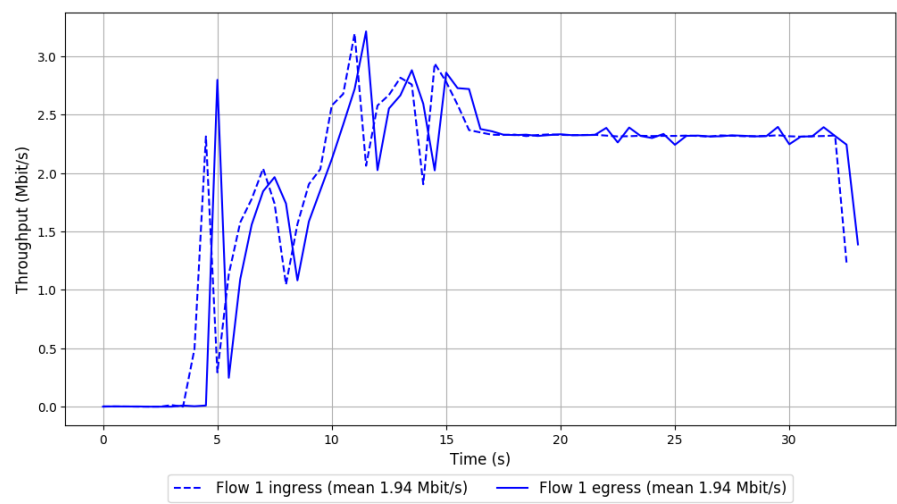
Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.236 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-21 22:35:50

End at: 2018-08-21 22:36:20

Local clock offset: 0.051 ms

Remote clock offset: -0.711 ms

# Below is generated by plot.py at 2018-08-21 23:04:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.284 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.284 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

