

## Pantheon Report

Generated at 2018-08-01 04:48:43 (UTC).

Data path: AWS India 2 Ethernet (*local*) → Saudi Arabia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

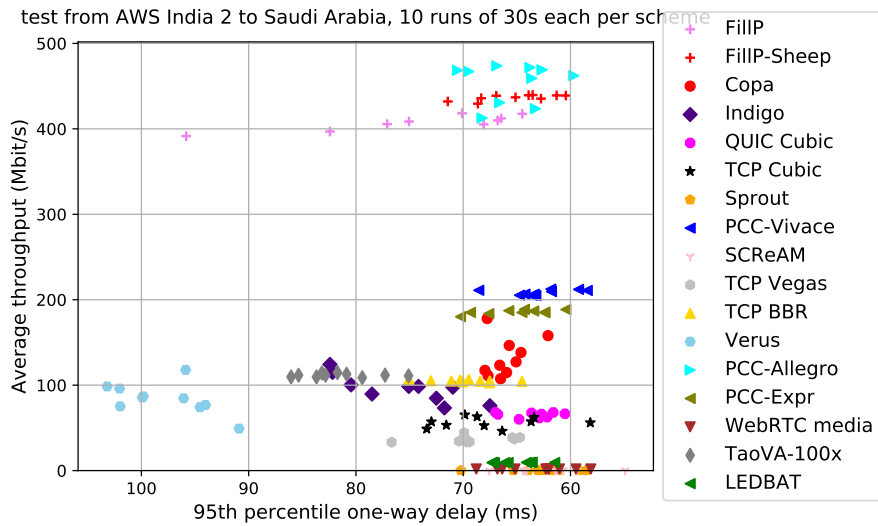
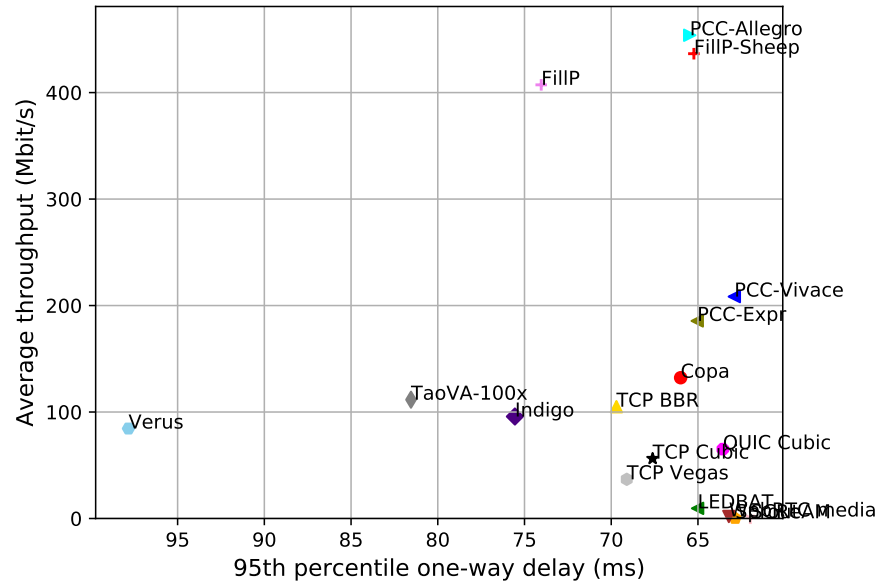
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

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

test from AWS India 2 to Saudi Arabia, 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	105.00	69.70	0.02
Copa	10	132.20	66.00	9.01
TCP Cubic	10	56.22	67.61	1.25
FillP	9	407.27	74.04	19.31
FillP-Sheep	10	436.53	65.23	9.16
Indigo	10	95.77	75.55	0.42
LEDBAT	10	9.53	65.02	0.00
PCC-Allegro	10	453.86	65.47	3.82
PCC-Expr	10	185.56	65.04	2.67
QUIC Cubic	9	65.17	63.56	0.00
SCReAM	10	0.22	61.98	0.00
Sprout	10	0.26	62.85	0.00
TaoVA-100x	10	111.58	81.54	2.77
TCP Vegas	10	36.79	69.10	1.36
Verus	10	84.48	97.83	60.38
PCC-Vivace	10	208.41	62.90	0.85
WebRTC media	10	1.88	63.22	0.00

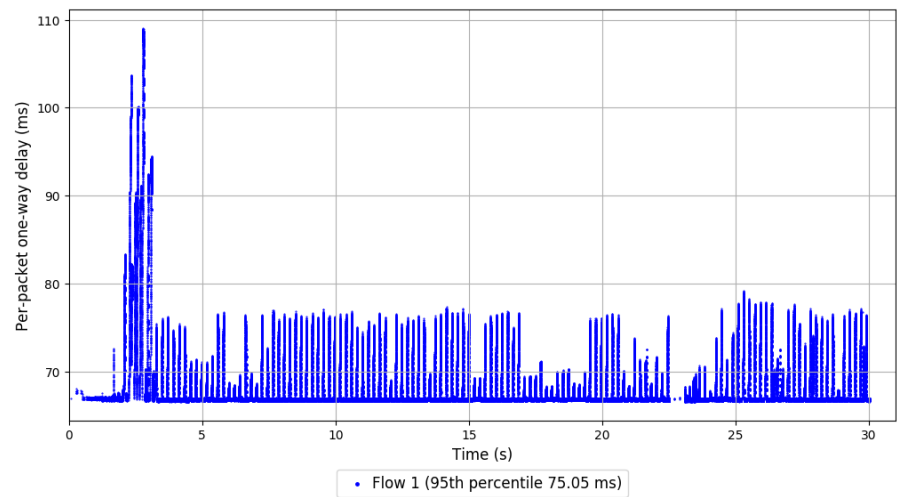
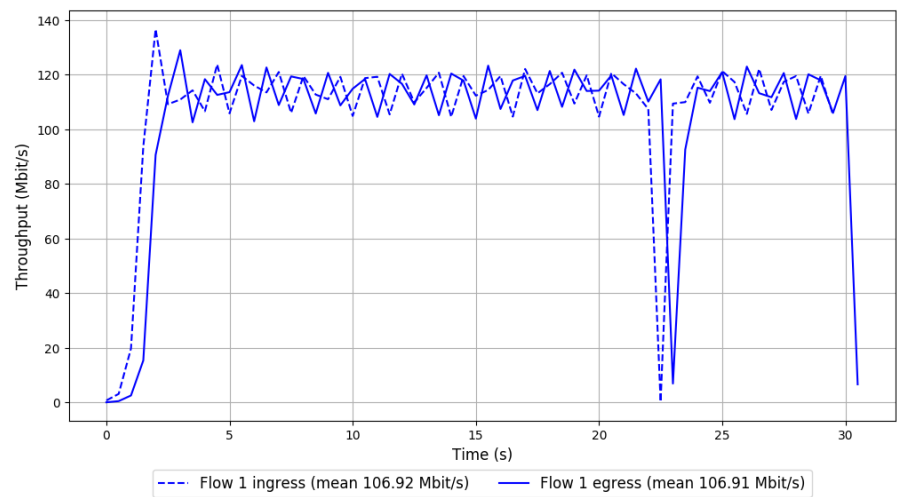
Run 1: Statistics of TCP BBR

Start at: 2018-08-01 00:16:39  
End at: 2018-08-01 00:17:09  
Local clock offset: 2.201 ms  
Remote clock offset: -23.417 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 106.91 Mbit/s  
95th percentile per-packet one-way delay: 75.052 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 106.91 Mbit/s  
95th percentile per-packet one-way delay: 75.052 ms  
Loss rate: 0.01%



Run 1: Report of TCP BBR — Data Link

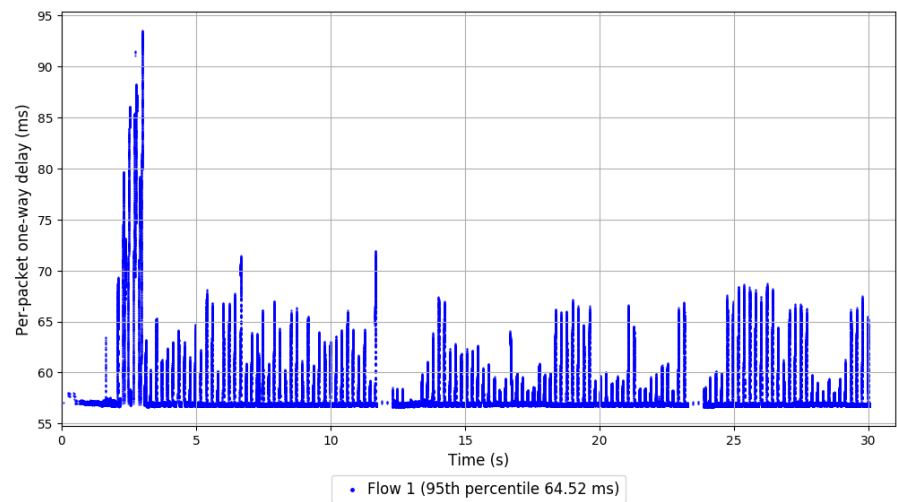
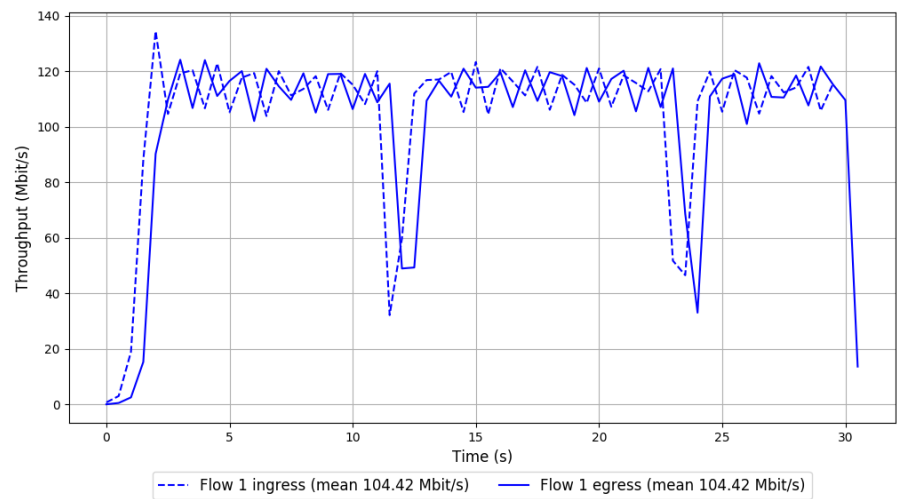


Run 2: Statistics of TCP BBR

Start at: 2018-08-01 00:38:38  
End at: 2018-08-01 00:39:08  
Local clock offset: -0.027 ms  
Remote clock offset: -34.077 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 104.42 Mbit/s  
95th percentile per-packet one-way delay: 64.523 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 104.42 Mbit/s  
95th percentile per-packet one-way delay: 64.523 ms  
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

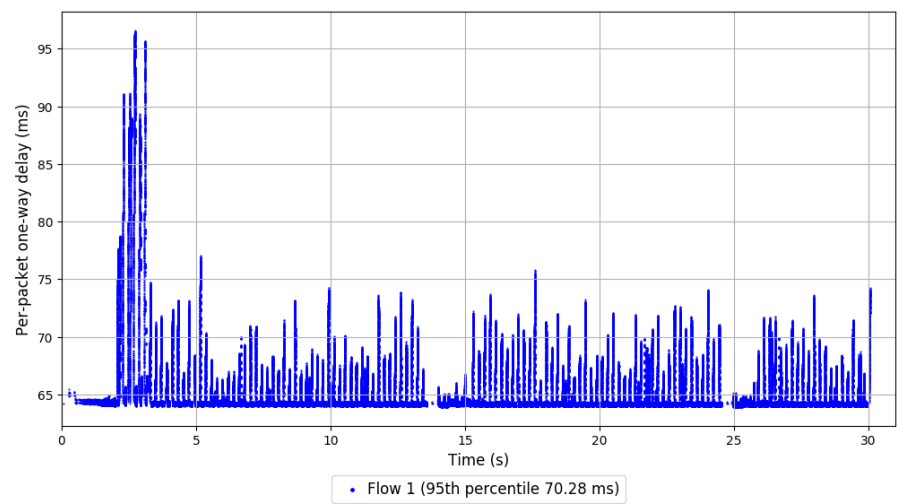
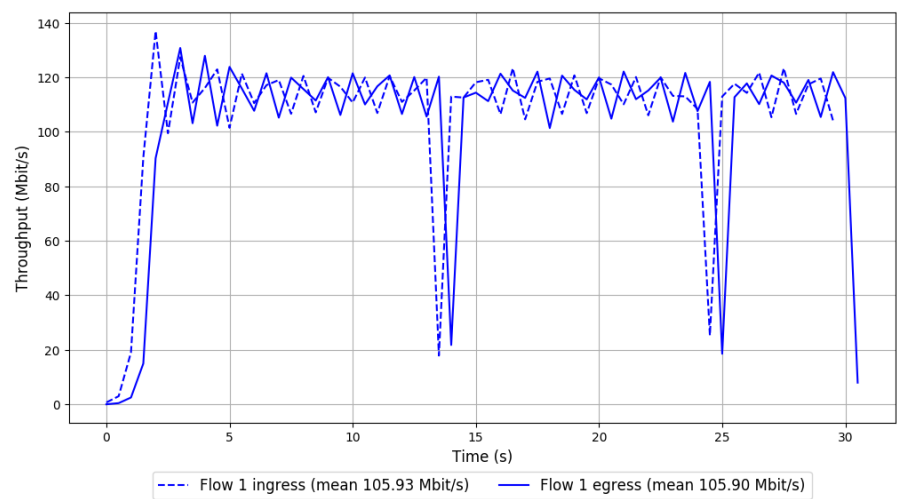


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 01:06:21  
End at: 2018-08-01 01:06:51  
Local clock offset: -0.66 ms  
Remote clock offset: -24.086 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 105.90 Mbit/s  
95th percentile per-packet one-way delay: 70.275 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 105.90 Mbit/s  
95th percentile per-packet one-way delay: 70.275 ms  
Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link

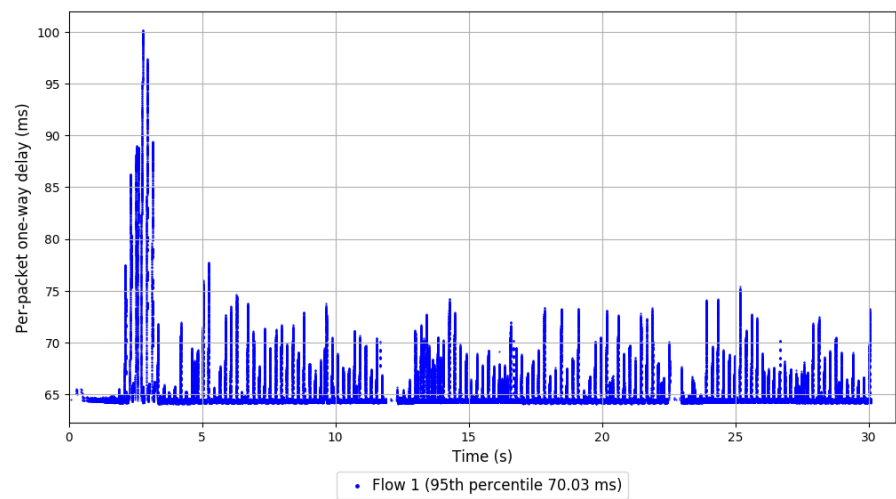
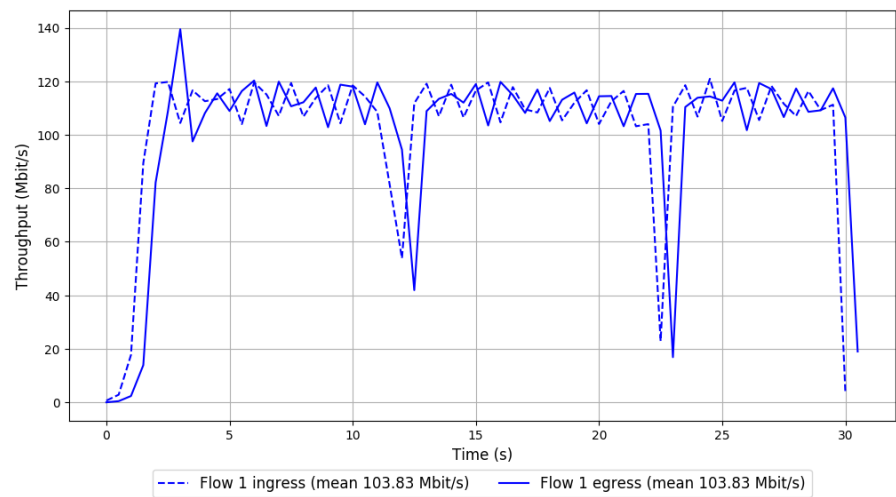


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 01:28:28  
End at: 2018-08-01 01:28:58  
Local clock offset: -1.652 ms  
Remote clock offset: -28.041 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 103.83 Mbit/s  
95th percentile per-packet one-way delay: 70.028 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 103.83 Mbit/s  
95th percentile per-packet one-way delay: 70.028 ms  
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



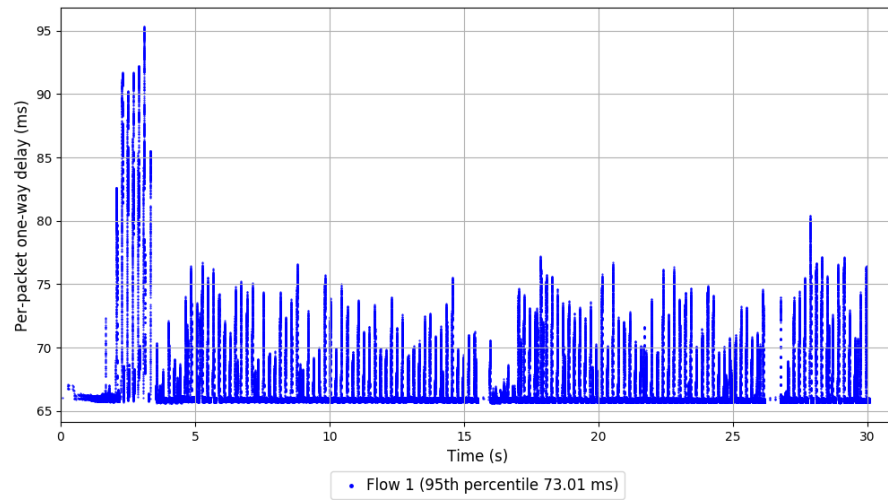
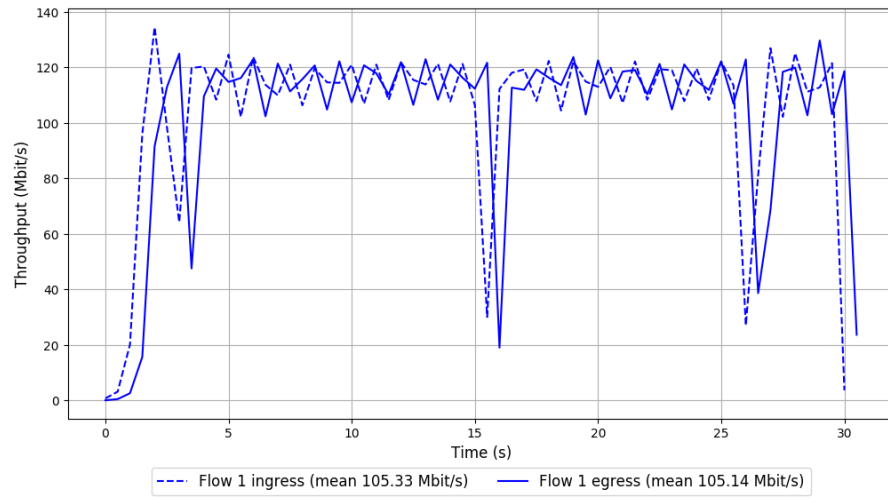
Run 5: Statistics of TCP BBR

Start at: 2018-08-01 01:56:06  
End at: 2018-08-01 01:56:36  
Local clock offset: 0.975 ms  
Remote clock offset: -22.487 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 105.14 Mbit/s  
95th percentile per-packet one-way delay: 73.014 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 105.14 Mbit/s  
95th percentile per-packet one-way delay: 73.014 ms  
Loss rate: 0.19%



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

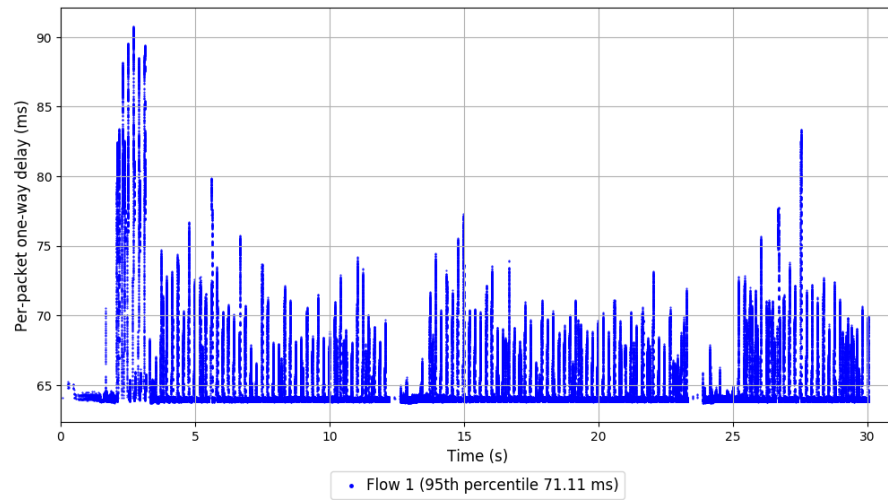
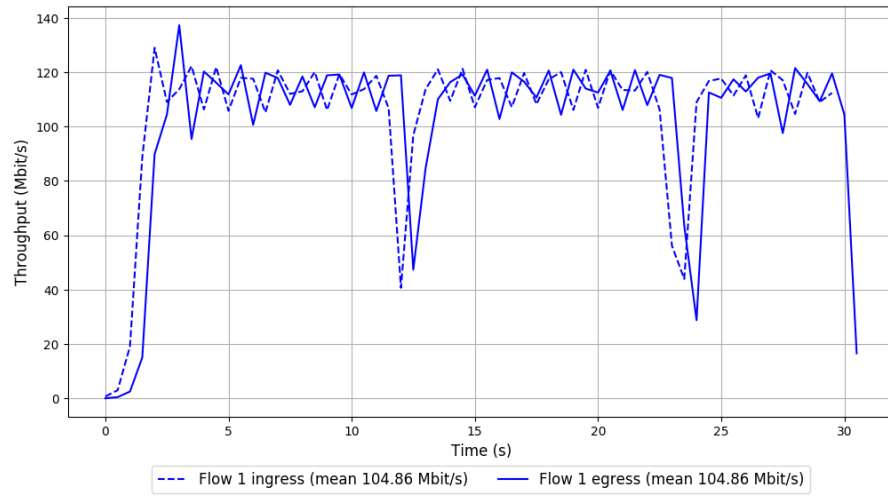


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 02:18:18  
End at: 2018-08-01 02:18:48  
Local clock offset: 0.572 ms  
Remote clock offset: -24.015 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 104.86 Mbit/s  
95th percentile per-packet one-way delay: 71.106 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 104.86 Mbit/s  
95th percentile per-packet one-way delay: 71.106 ms  
Loss rate: 0.00%

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

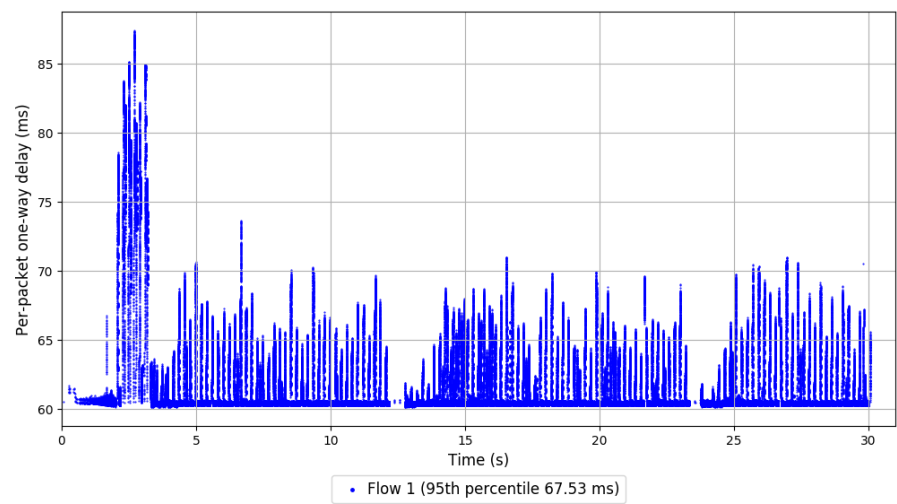
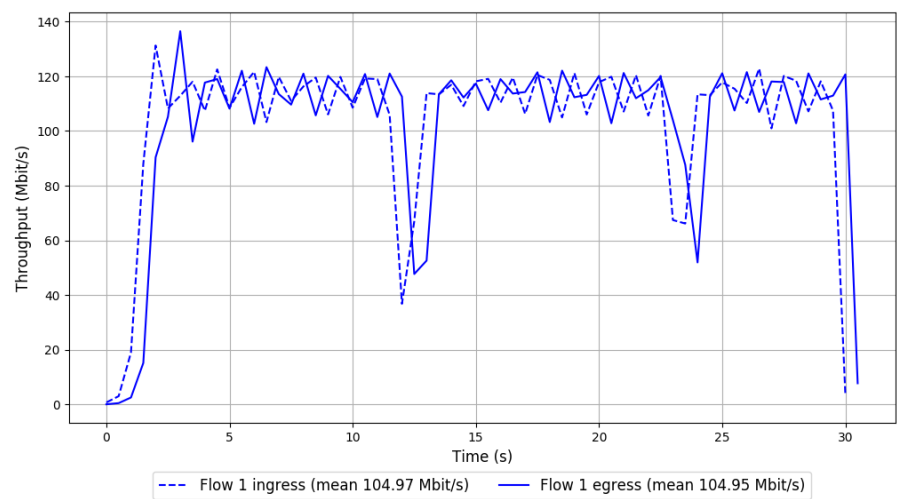


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 02:46:34  
End at: 2018-08-01 02:47:04  
Local clock offset: -1.791 ms  
Remote clock offset: -30.527 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 104.95 Mbit/s  
95th percentile per-packet one-way delay: 67.532 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 104.95 Mbit/s  
95th percentile per-packet one-way delay: 67.532 ms  
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

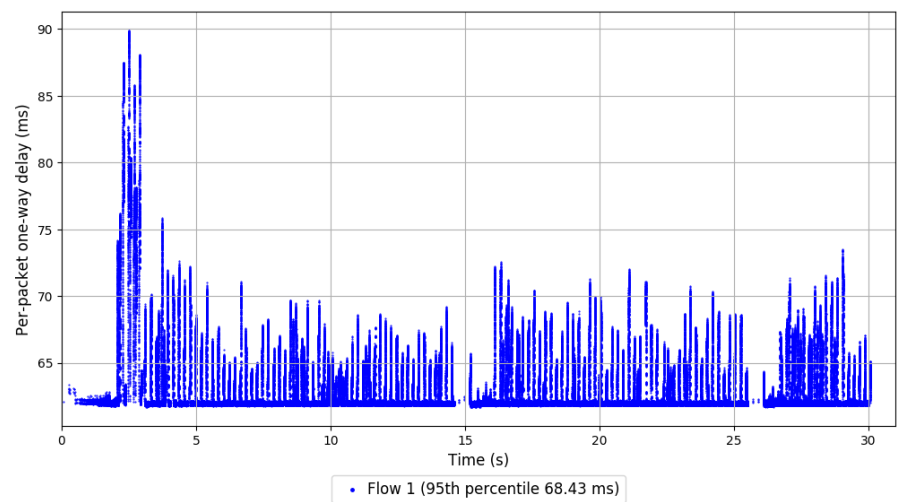
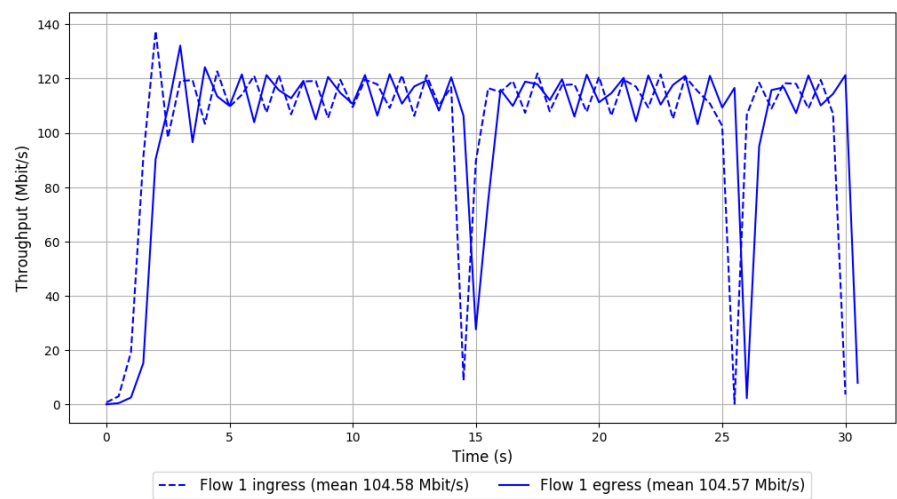


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 03:08:37  
End at: 2018-08-01 03:09:07  
Local clock offset: 2.192 ms  
Remote clock offset: -25.197 ms

# Below is generated by plot.py at 2018-08-01 04:07:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 104.57 Mbit/s  
95th percentile per-packet one-way delay: 68.429 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 104.57 Mbit/s  
95th percentile per-packet one-way delay: 68.429 ms  
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



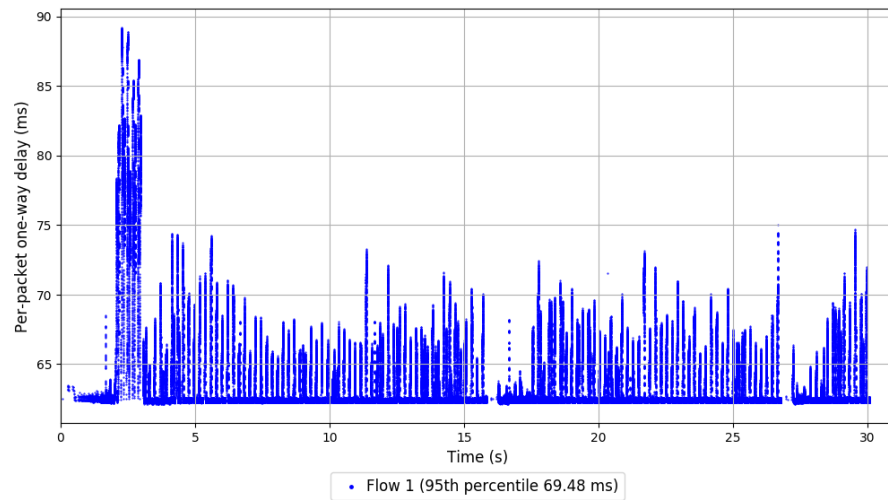
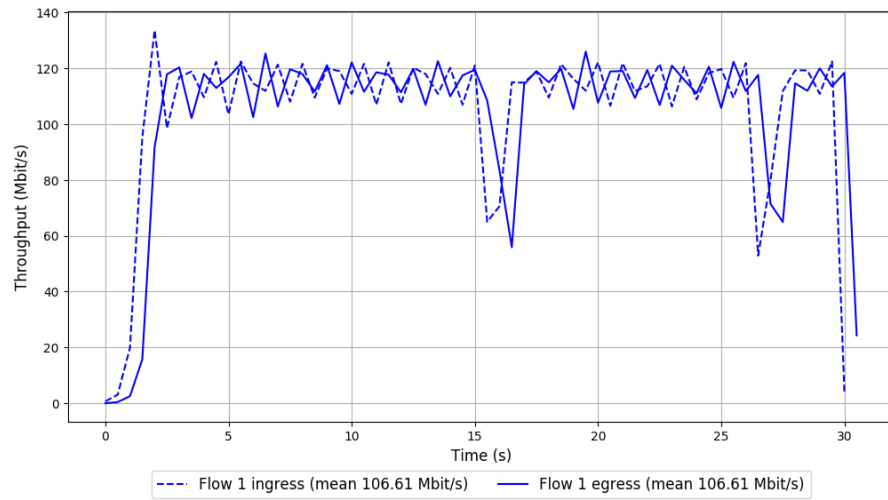
Run 9: Statistics of TCP BBR

Start at: 2018-08-01 03:30:42  
End at: 2018-08-01 03:31:12  
Local clock offset: 2.551 ms  
Remote clock offset: -25.427 ms

# Below is generated by plot.py at 2018-08-01 04:07:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 106.61 Mbit/s  
95th percentile per-packet one-way delay: 69.479 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 106.61 Mbit/s  
95th percentile per-packet one-way delay: 69.479 ms  
Loss rate: 0.00%



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

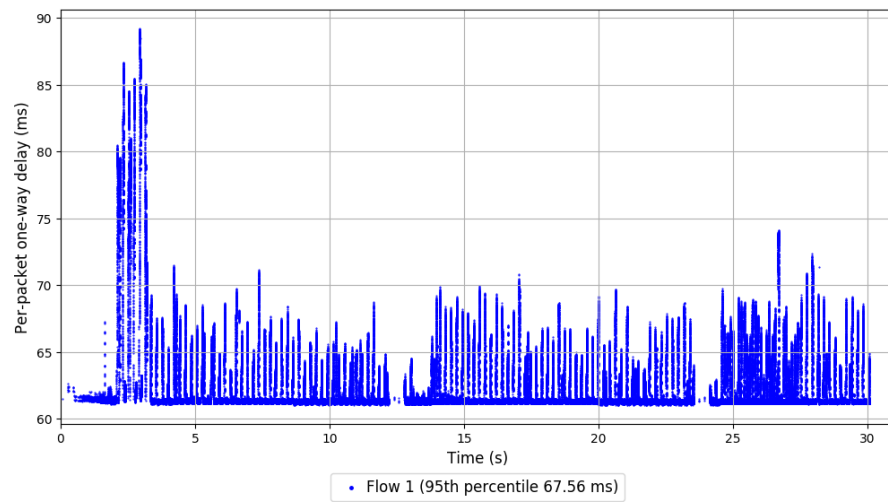
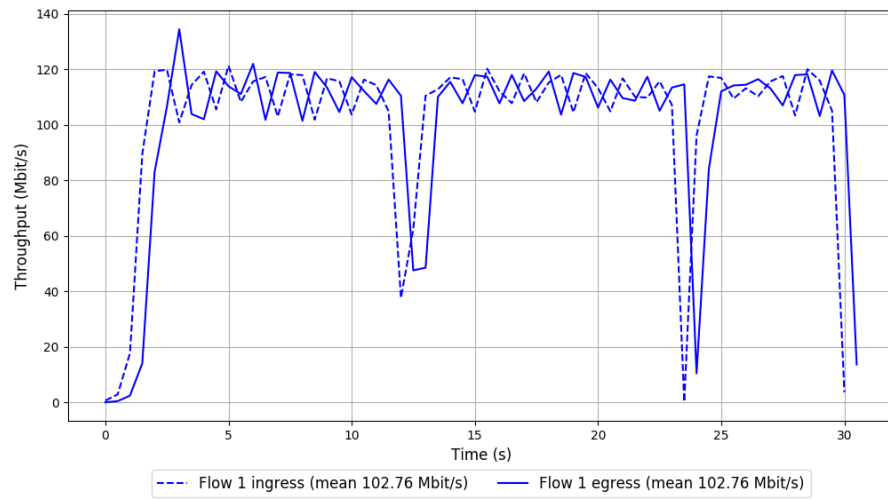


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 03:52:53  
End at: 2018-08-01 03:53:23  
Local clock offset: 2.501 ms  
Remote clock offset: -29.238 ms

# Below is generated by plot.py at 2018-08-01 04:07:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 102.76 Mbit/s  
95th percentile per-packet one-way delay: 67.564 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 102.76 Mbit/s  
95th percentile per-packet one-way delay: 67.564 ms  
Loss rate: 0.00%

# Run 10: Report of TCP BBR — Data Link

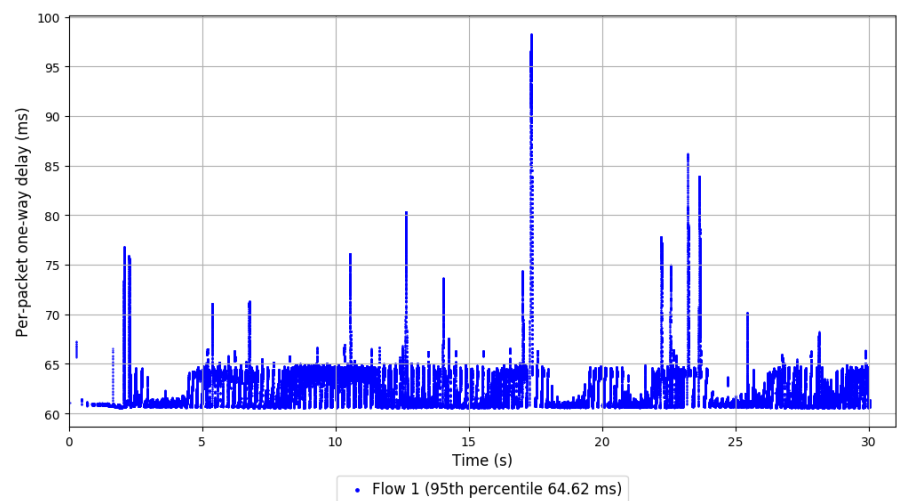
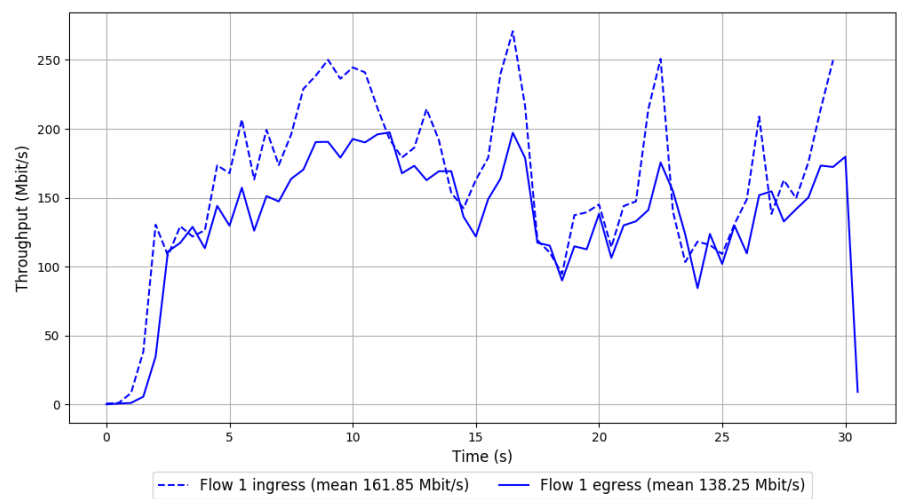


Run 1: Statistics of Copa

Start at: 2018-08-01 00:06:28  
End at: 2018-08-01 00:06:58  
Local clock offset: 1.59 ms  
Remote clock offset: -29.373 ms

# Below is generated by plot.py at 2018-08-01 04:10:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 138.25 Mbit/s  
95th percentile per-packet one-way delay: 64.617 ms  
Loss rate: 14.58%  
-- Flow 1:  
Average throughput: 138.25 Mbit/s  
95th percentile per-packet one-way delay: 64.617 ms  
Loss rate: 14.58%

Run 1: Report of Copa — Data Link

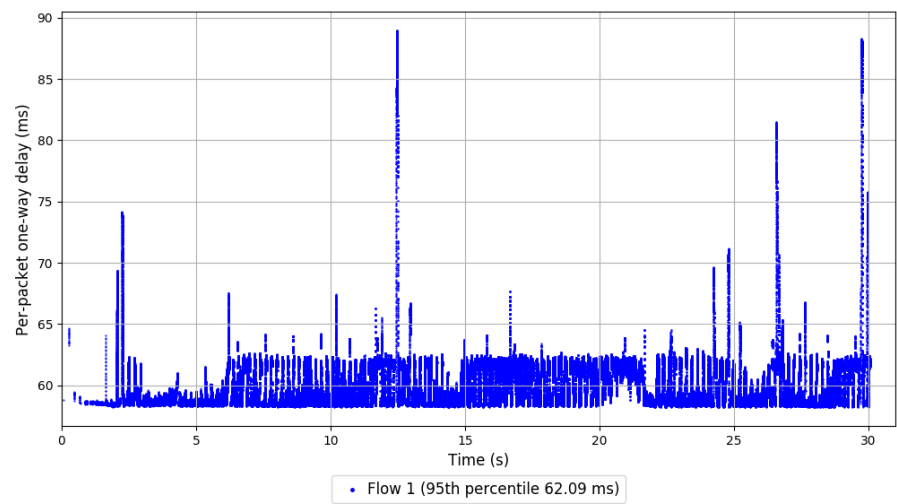
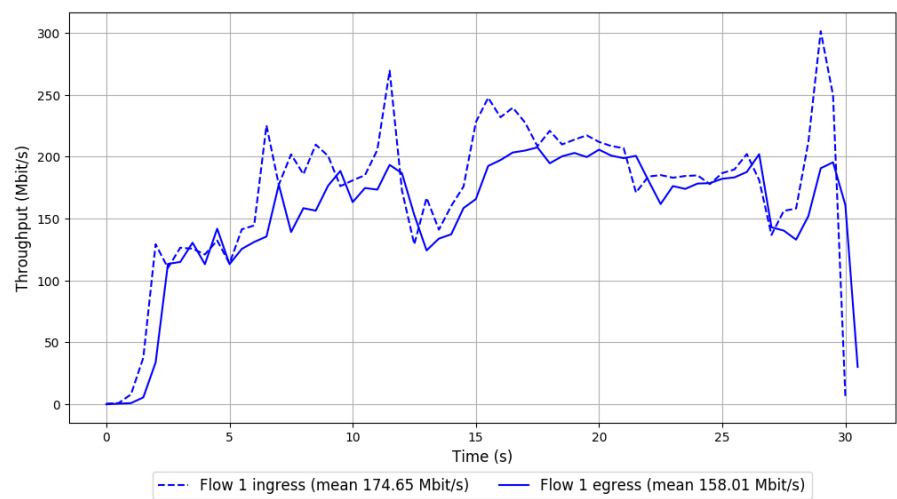


Run 2: Statistics of Copa

Start at: 2018-08-01 00:28:25  
End at: 2018-08-01 00:28:55  
Local clock offset: 3.985 ms  
Remote clock offset: -28.66 ms

# Below is generated by plot.py at 2018-08-01 04:10:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 158.01 Mbit/s  
95th percentile per-packet one-way delay: 62.095 ms  
Loss rate: 9.52%  
-- Flow 1:  
Average throughput: 158.01 Mbit/s  
95th percentile per-packet one-way delay: 62.095 ms  
Loss rate: 9.52%

Run 2: Report of Copa — Data Link



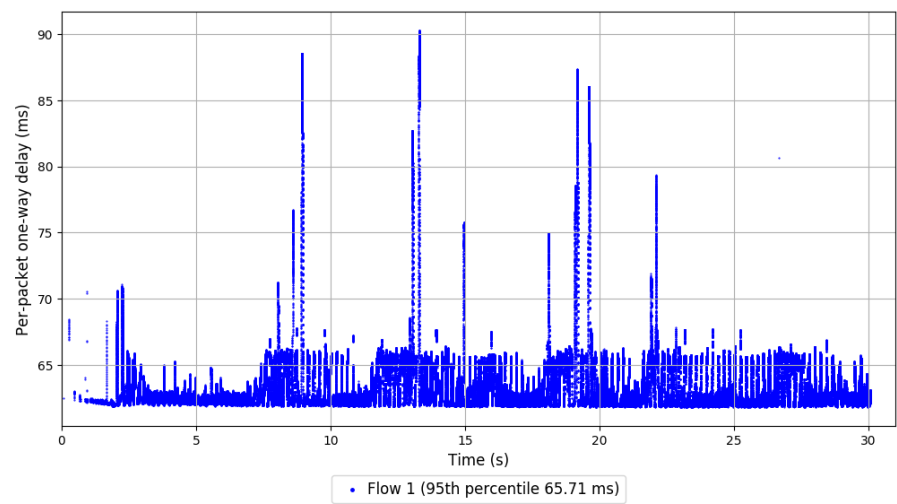
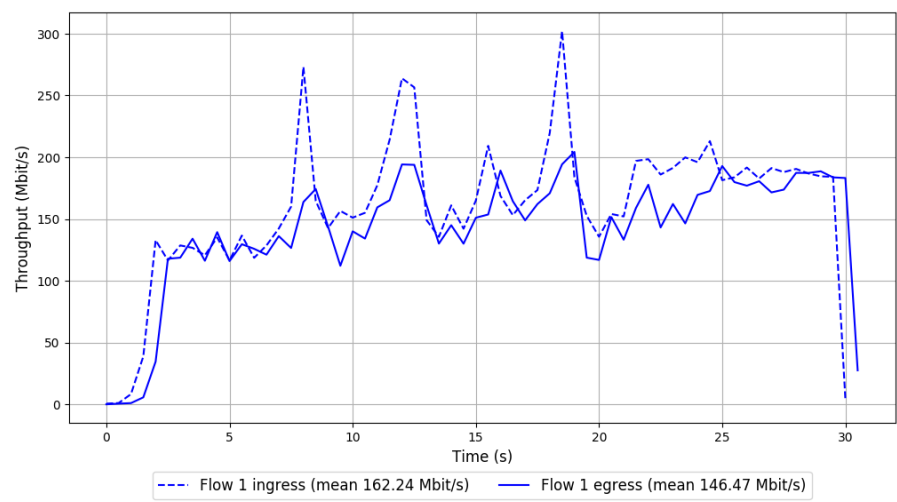
Run 3: Statistics of Copa

Start at: 2018-08-01 00:56:01  
End at: 2018-08-01 00:56:31  
Local clock offset: 2.512 ms  
Remote clock offset: -24.526 ms

# Below is generated by plot.py at 2018-08-01 04:10:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 146.47 Mbit/s  
95th percentile per-packet one-way delay: 65.709 ms  
Loss rate: 9.72%  
-- Flow 1:  
Average throughput: 146.47 Mbit/s  
95th percentile per-packet one-way delay: 65.709 ms  
Loss rate: 9.72%



Run 3: Report of Copa — Data Link

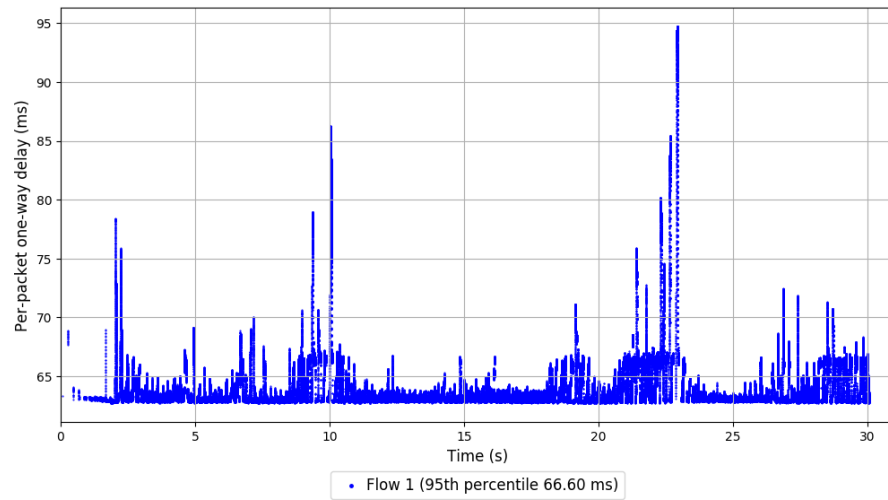
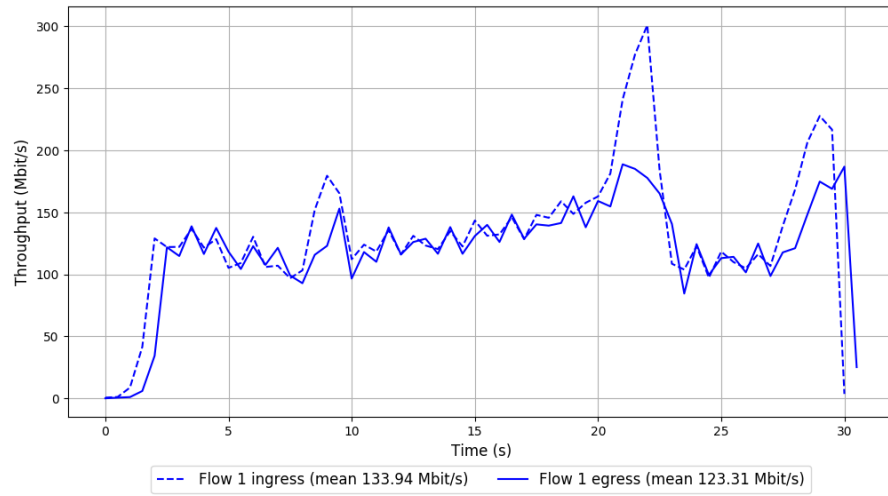


Run 4: Statistics of Copa

Start at: 2018-08-01 01:18:16  
End at: 2018-08-01 01:18:46  
Local clock offset: -0.067 ms  
Remote clock offset: -24.005 ms

# Below is generated by plot.py at 2018-08-01 04:10:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 123.31 Mbit/s  
95th percentile per-packet one-way delay: 66.596 ms  
Loss rate: 7.93%  
-- Flow 1:  
Average throughput: 123.31 Mbit/s  
95th percentile per-packet one-way delay: 66.596 ms  
Loss rate: 7.93%

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

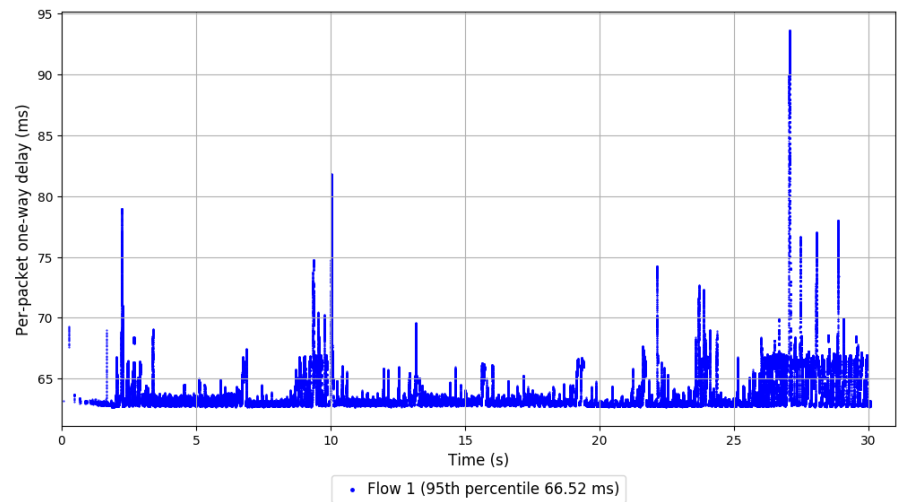
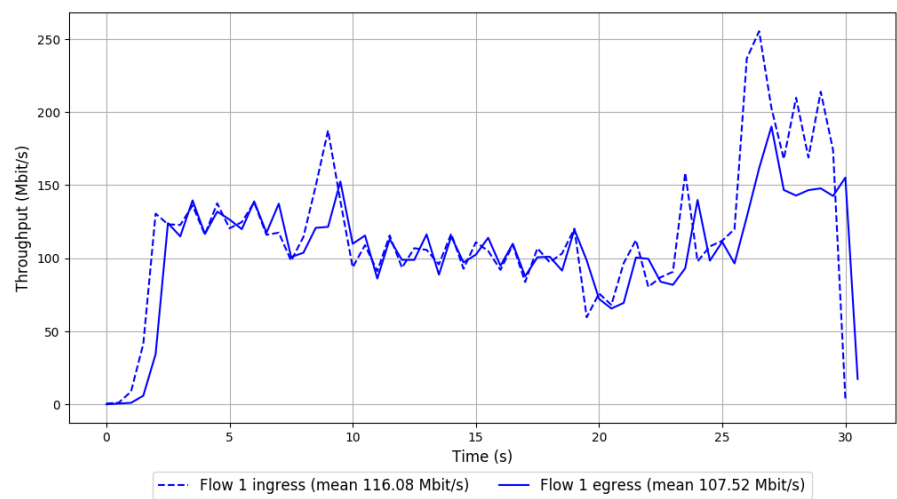


Run 5: Statistics of Copa

Start at: 2018-08-01 01:40:24  
End at: 2018-08-01 01:40:54  
Local clock offset: 1.818 ms  
Remote clock offset: -24.665 ms

# Below is generated by plot.py at 2018-08-01 04:10:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 107.52 Mbit/s  
95th percentile per-packet one-way delay: 66.516 ms  
Loss rate: 7.38%  
-- Flow 1:  
Average throughput: 107.52 Mbit/s  
95th percentile per-packet one-way delay: 66.516 ms  
Loss rate: 7.38%

Run 5: Report of Copa — Data Link

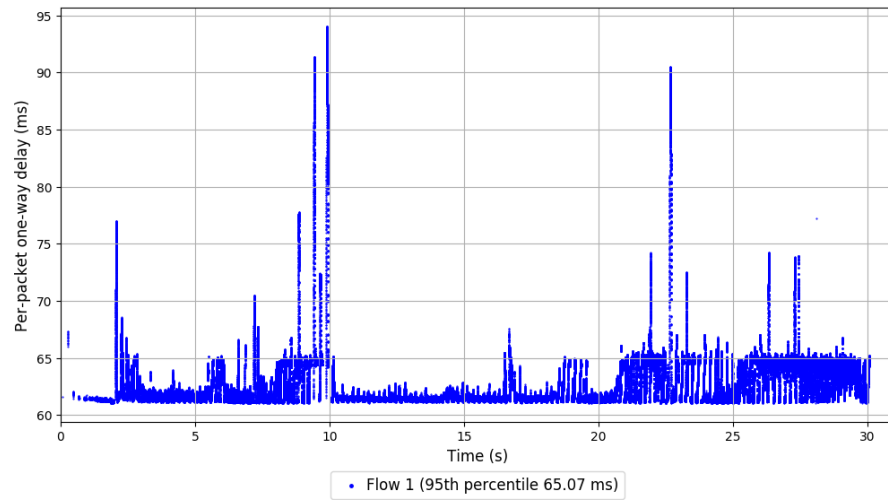
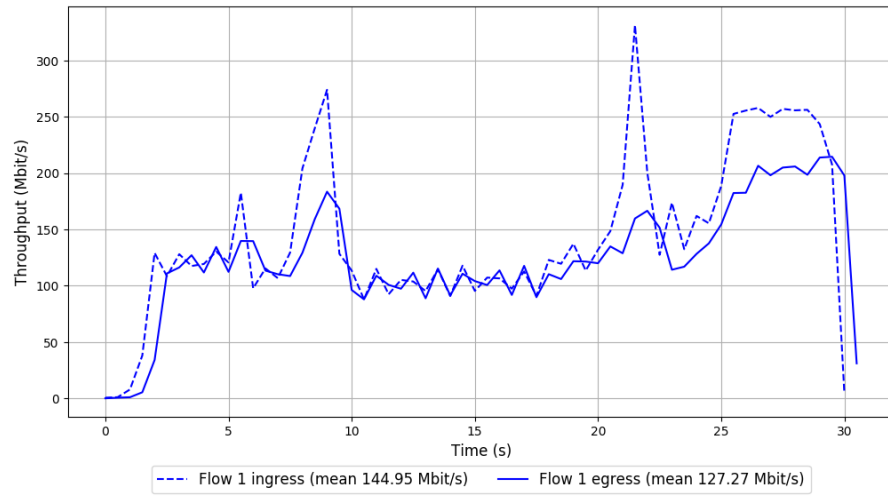


Run 6: Statistics of Copa

Start at: 2018-08-01 02:08:07  
End at: 2018-08-01 02:08:37  
Local clock offset: -1.81 ms  
Remote clock offset: -29.42 ms

# Below is generated by plot.py at 2018-08-01 04:10:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 127.27 Mbit/s  
95th percentile per-packet one-way delay: 65.072 ms  
Loss rate: 12.19%  
-- Flow 1:  
Average throughput: 127.27 Mbit/s  
95th percentile per-packet one-way delay: 65.072 ms  
Loss rate: 12.19%

## Run 6: Report of Copa — Data Link



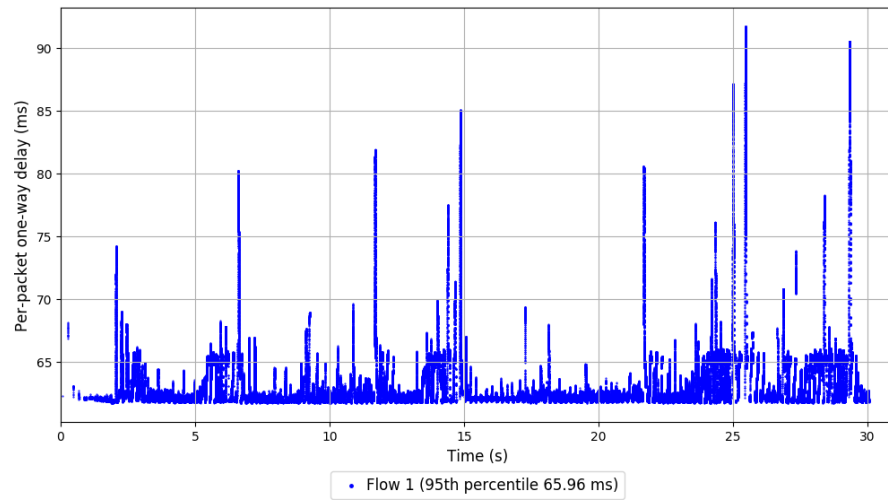
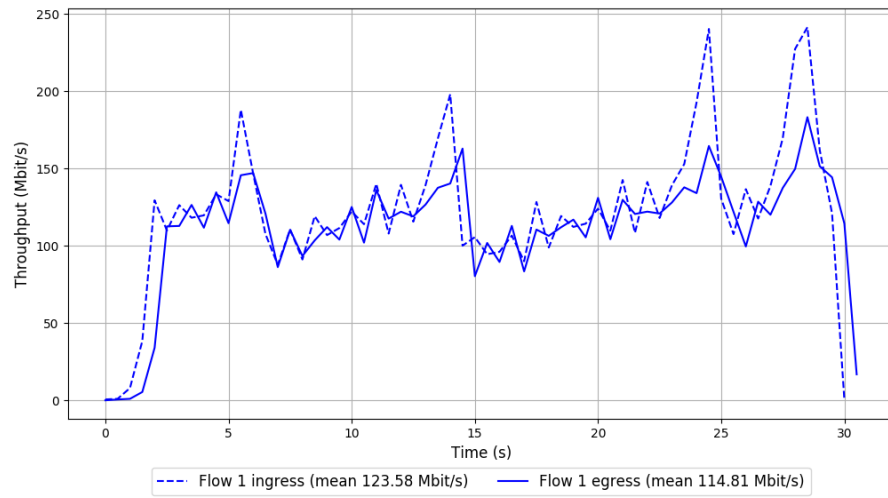
Run 7: Statistics of Copa

Start at: 2018-08-01 02:30:17  
End at: 2018-08-01 02:30:47  
Local clock offset: 0.437 ms  
Remote clock offset: -26.359 ms

# Below is generated by plot.py at 2018-08-01 04:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 114.81 Mbit/s  
95th percentile per-packet one-way delay: 65.956 ms  
Loss rate: 7.09%  
-- Flow 1:  
Average throughput: 114.81 Mbit/s  
95th percentile per-packet one-way delay: 65.956 ms  
Loss rate: 7.09%



## Run 7: Report of Copa — Data Link

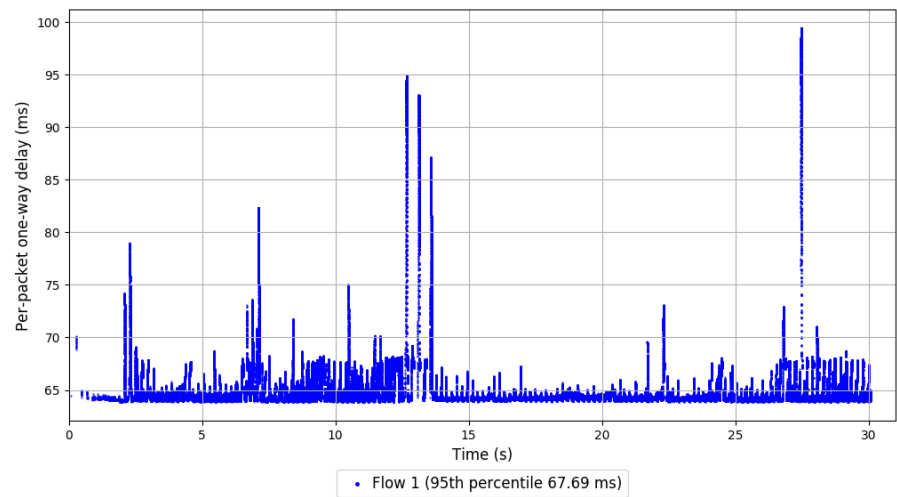
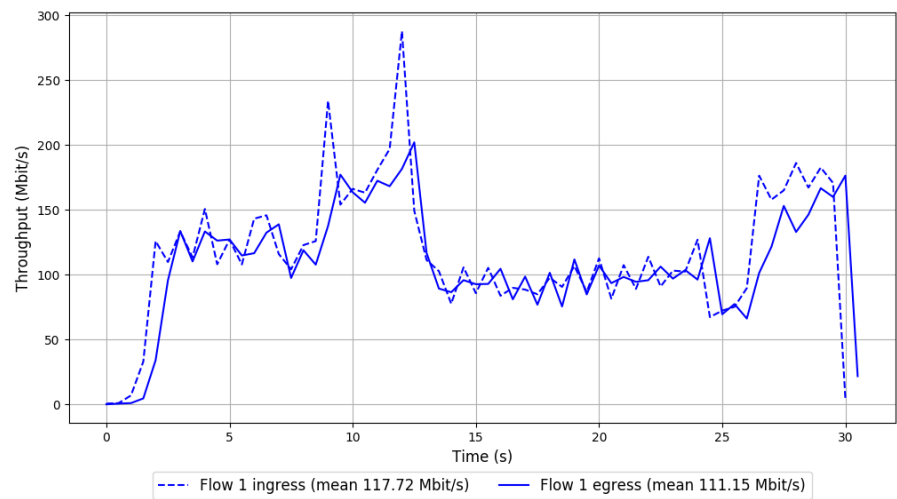


Run 8: Statistics of Copa

Start at: 2018-08-01 02:58:27  
End at: 2018-08-01 02:58:57  
Local clock offset: 0.104 ms  
Remote clock offset: -27.836 ms

# Below is generated by plot.py at 2018-08-01 04:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 111.15 Mbit/s  
95th percentile per-packet one-way delay: 67.685 ms  
Loss rate: 5.58%  
-- Flow 1:  
Average throughput: 111.15 Mbit/s  
95th percentile per-packet one-way delay: 67.685 ms  
Loss rate: 5.58%

Run 8: Report of Copa — Data Link

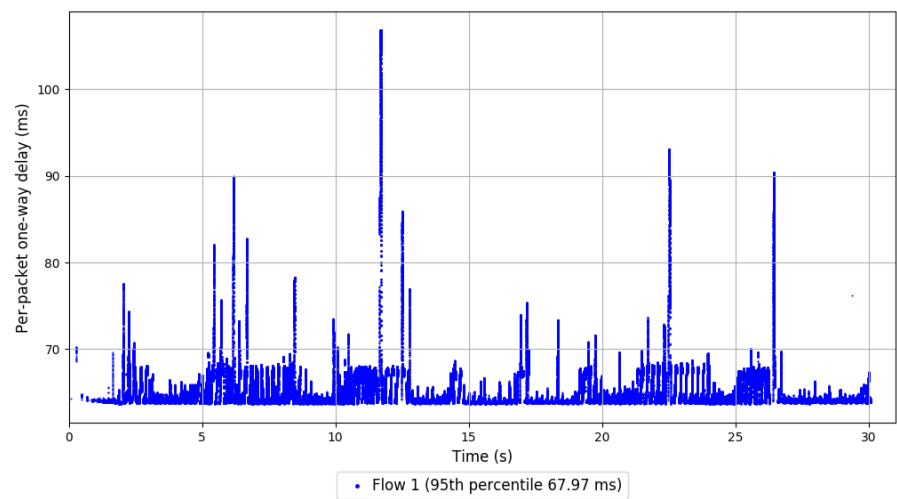
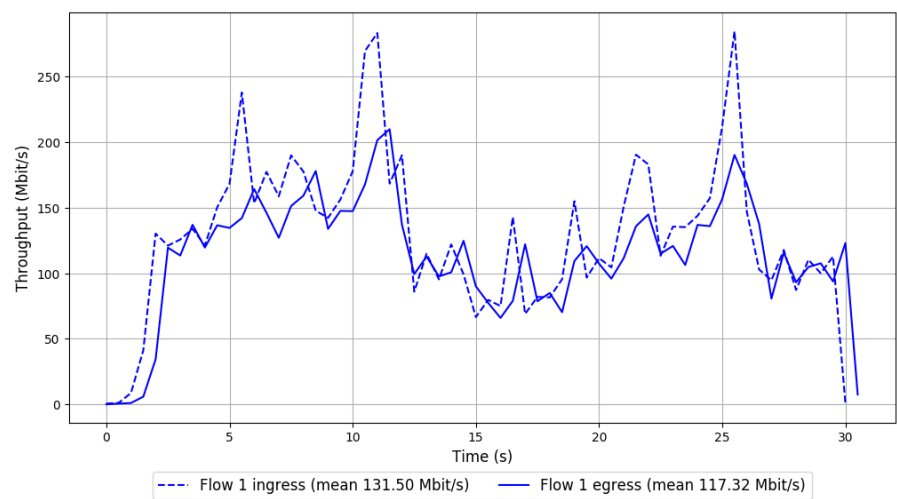


Run 9: Statistics of Copa

Start at: 2018-08-01 03:20:32  
End at: 2018-08-01 03:21:02  
Local clock offset: 2.124 ms  
Remote clock offset: -23.707 ms

# Below is generated by plot.py at 2018-08-01 04:11:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 117.32 Mbit/s  
95th percentile per-packet one-way delay: 67.975 ms  
Loss rate: 10.78%  
-- Flow 1:  
Average throughput: 117.32 Mbit/s  
95th percentile per-packet one-way delay: 67.975 ms  
Loss rate: 10.78%

Run 9: Report of Copa — Data Link

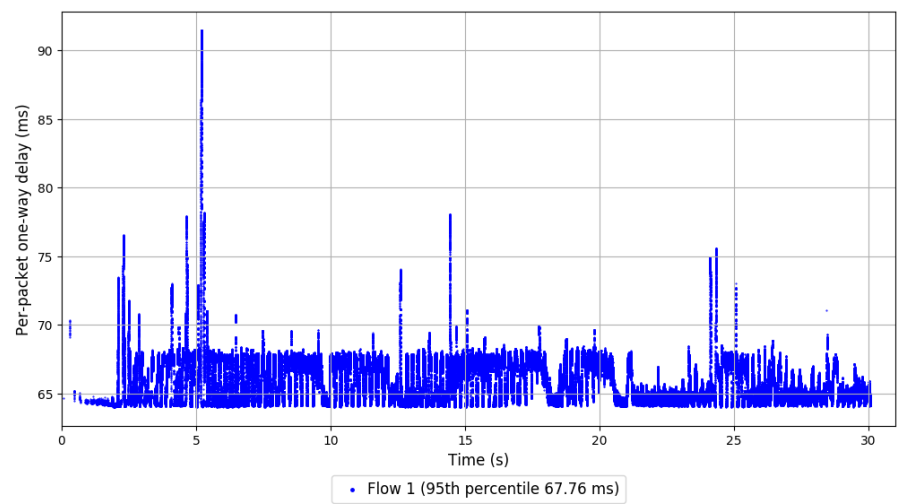
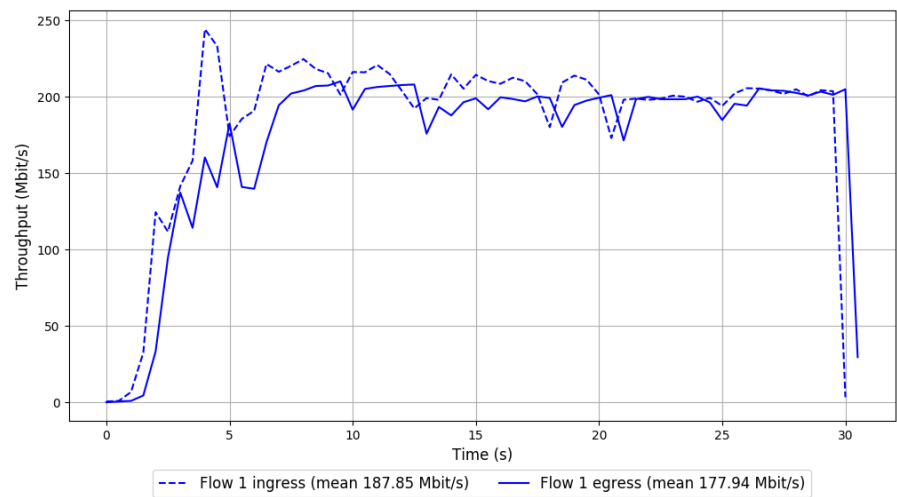


Run 10: Statistics of Copa

Start at: 2018-08-01 03:42:39  
End at: 2018-08-01 03:43:09  
Local clock offset: -0.426 ms  
Remote clock offset: -29.733 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 177.94 Mbit/s  
95th percentile per-packet one-way delay: 67.764 ms  
Loss rate: 5.28%  
-- Flow 1:  
Average throughput: 177.94 Mbit/s  
95th percentile per-packet one-way delay: 67.764 ms  
Loss rate: 5.28%

Run 10: Report of Copa — Data Link



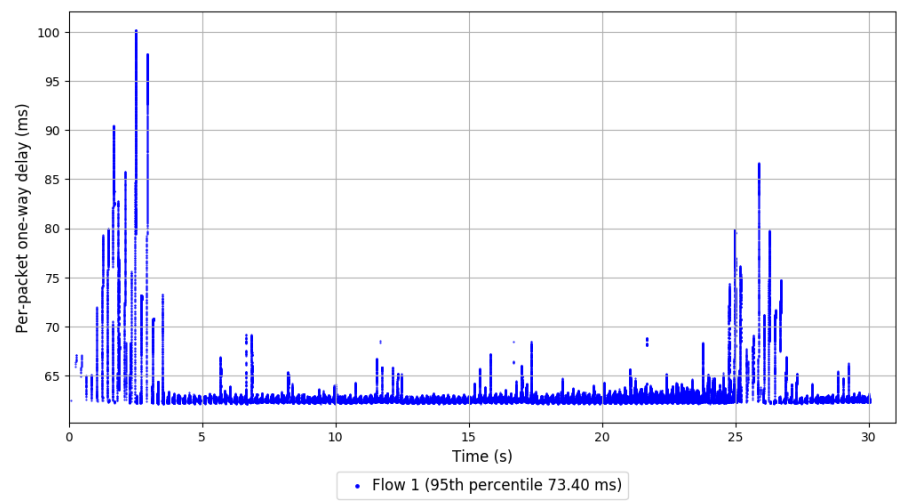
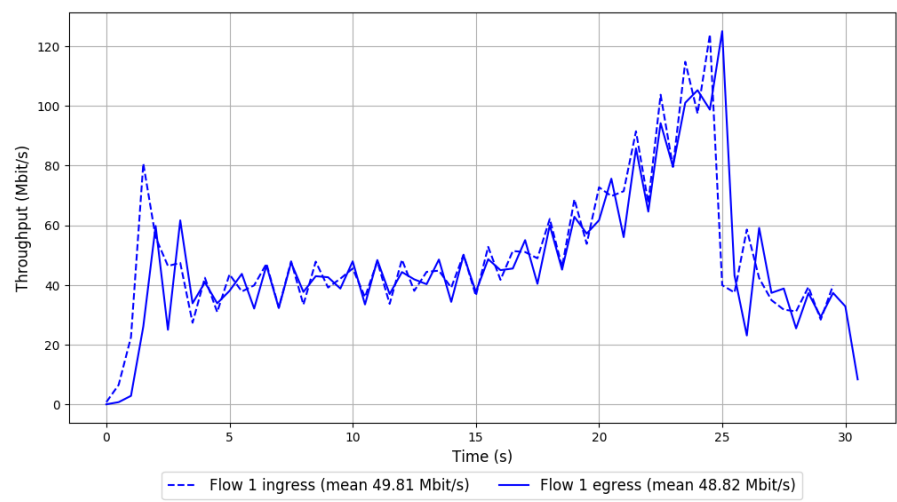
Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 00:13:06  
End at: 2018-08-01 00:13:36  
Local clock offset: 1.884 ms  
Remote clock offset: -30.153 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.82 Mbit/s  
95th percentile per-packet one-way delay: 73.402 ms  
Loss rate: 1.98%  
-- Flow 1:  
Average throughput: 48.82 Mbit/s  
95th percentile per-packet one-way delay: 73.402 ms  
Loss rate: 1.98%



Run 1: Report of TCP Cubic — Data Link

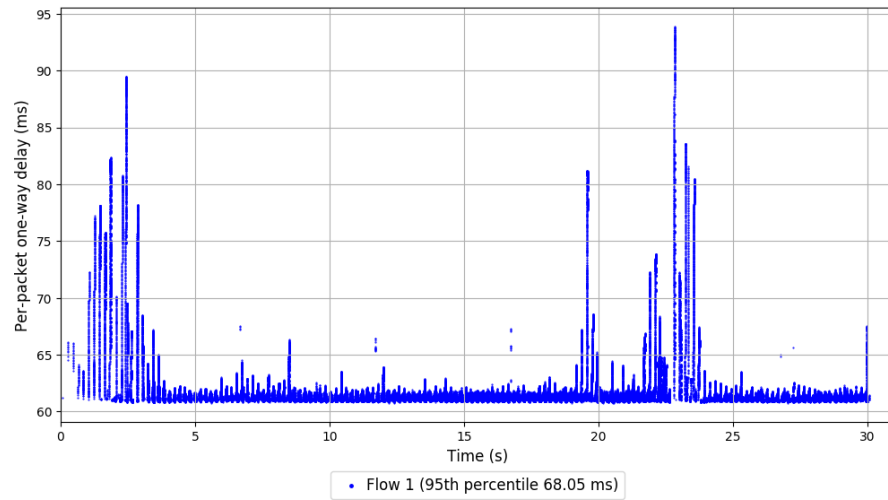
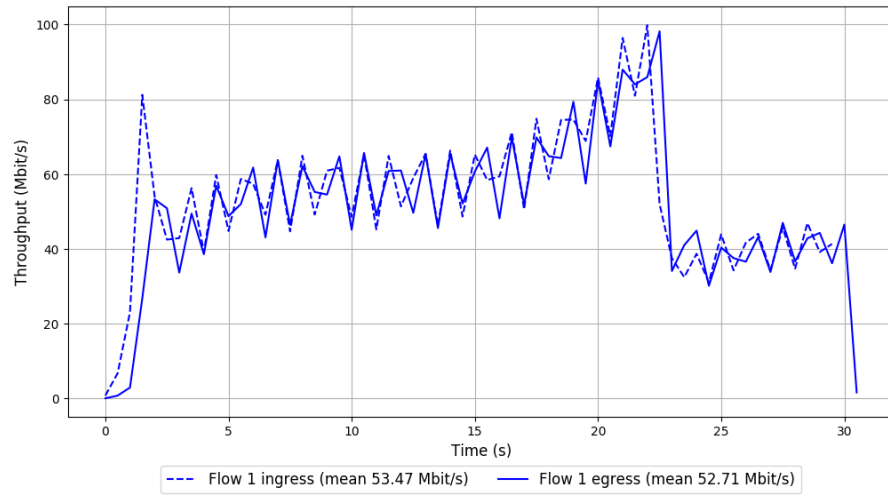


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 00:35:05  
End at: 2018-08-01 00:35:35  
Local clock offset: 0.432 ms  
Remote clock offset: -29.498 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.71 Mbit/s  
95th percentile per-packet one-way delay: 68.048 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 52.71 Mbit/s  
95th percentile per-packet one-way delay: 68.048 ms  
Loss rate: 1.43%

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

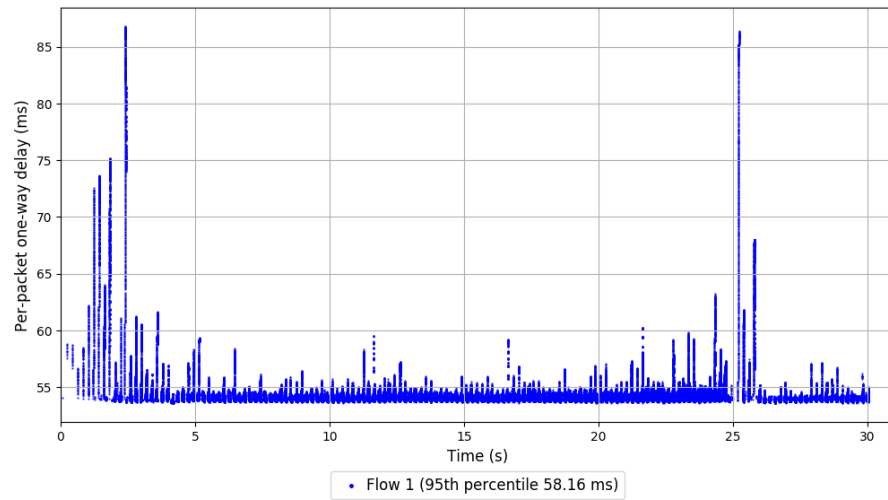
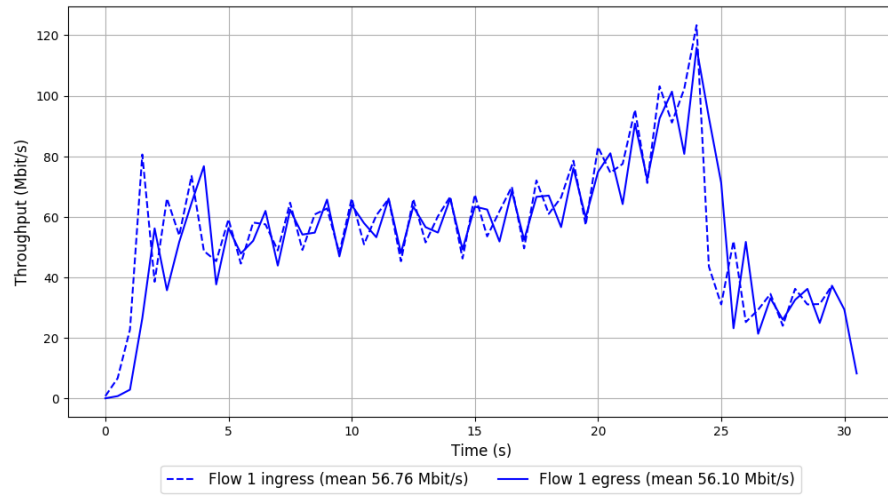


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 01:02:48  
End at: 2018-08-01 01:03:18  
Local clock offset: 1.342 ms  
Remote clock offset: -32.657 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.10 Mbit/s  
95th percentile per-packet one-way delay: 58.155 ms  
Loss rate: 1.18%  
-- Flow 1:  
Average throughput: 56.10 Mbit/s  
95th percentile per-packet one-way delay: 58.155 ms  
Loss rate: 1.18%

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

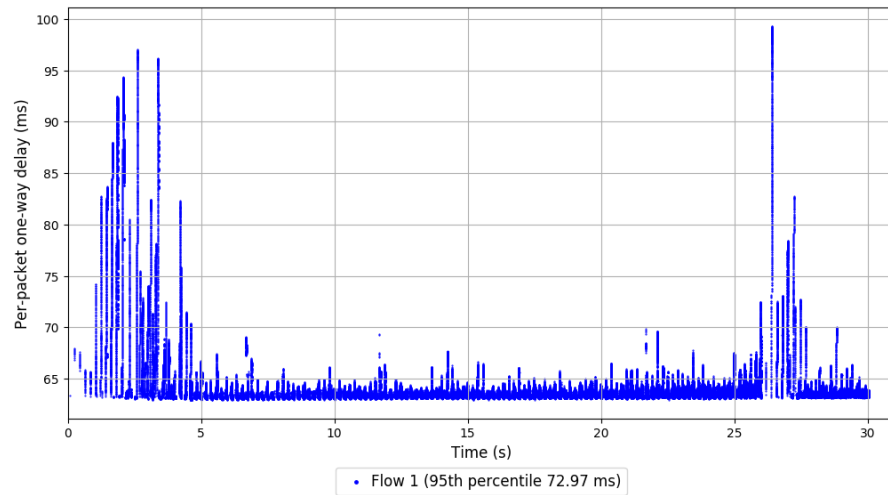
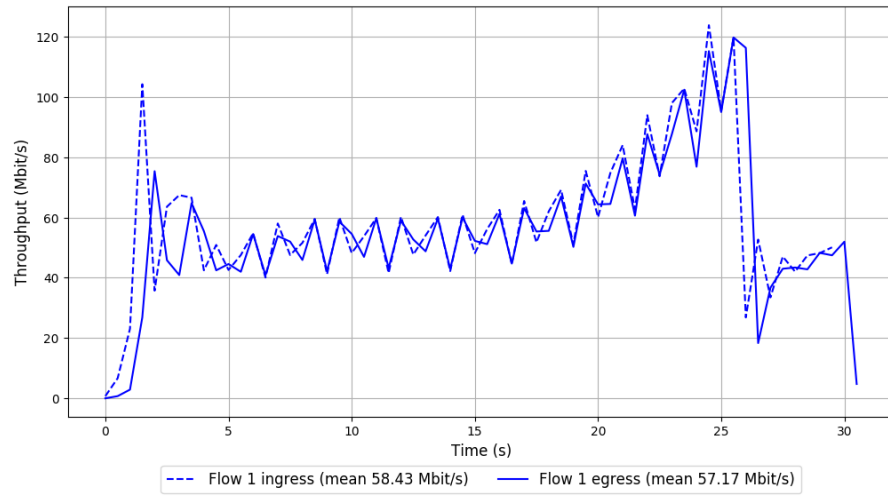


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 01:24:55  
End at: 2018-08-01 01:25:25  
Local clock offset: 1.163 ms  
Remote clock offset: -23.217 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.17 Mbit/s  
95th percentile per-packet one-way delay: 72.965 ms  
Loss rate: 2.15%  
-- Flow 1:  
Average throughput: 57.17 Mbit/s  
95th percentile per-packet one-way delay: 72.965 ms  
Loss rate: 2.15%

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



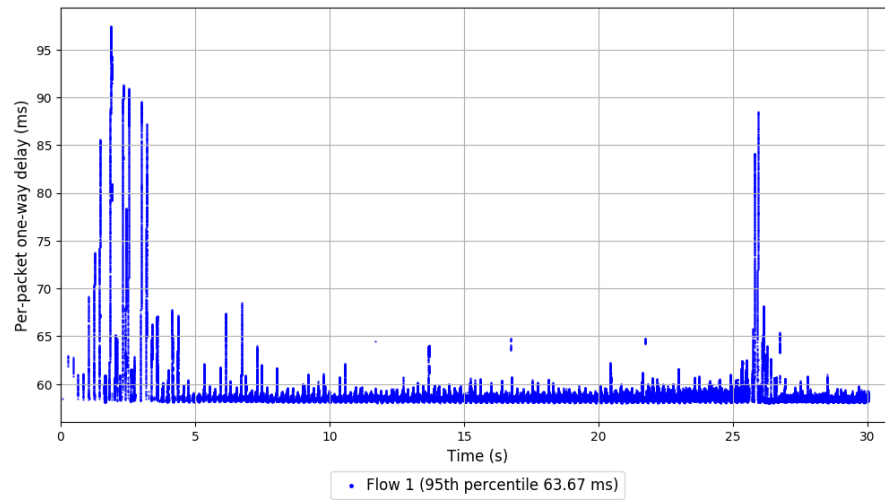
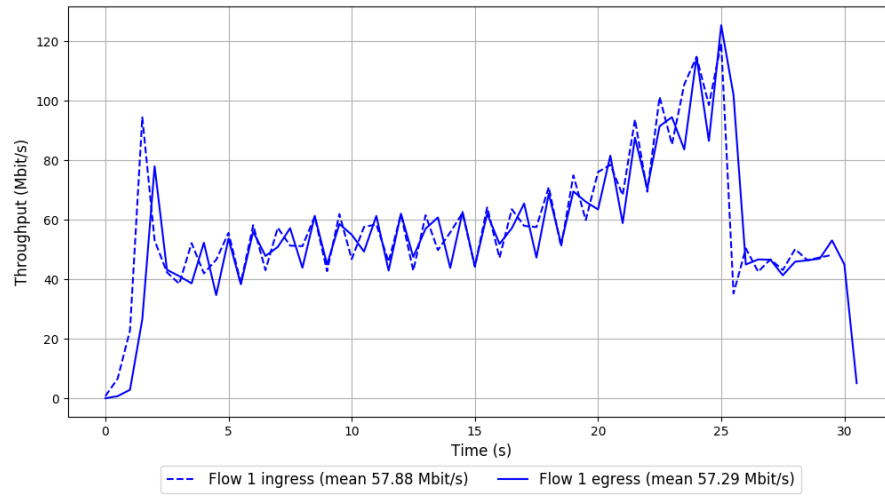
Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 01:52:33  
End at: 2018-08-01 01:53:03  
Local clock offset: 2.661 ms  
Remote clock offset: -29.132 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.29 Mbit/s  
95th percentile per-packet one-way delay: 63.675 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 57.29 Mbit/s  
95th percentile per-packet one-way delay: 63.675 ms  
Loss rate: 1.02%



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

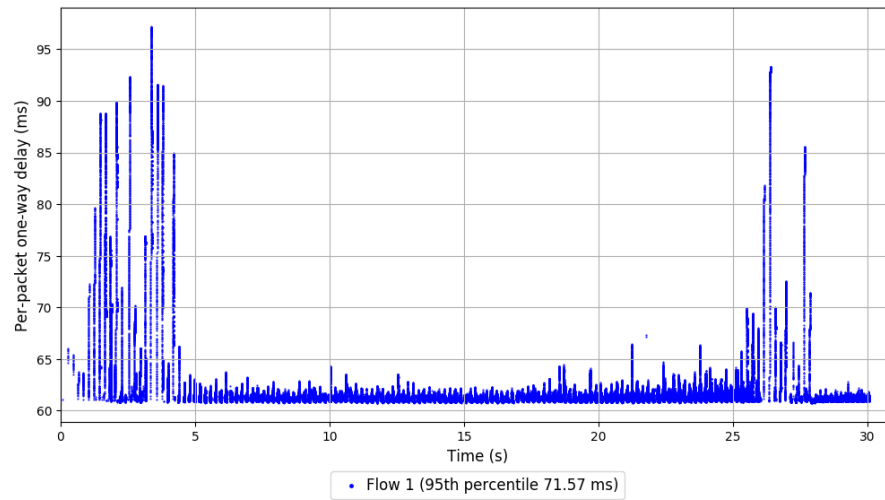
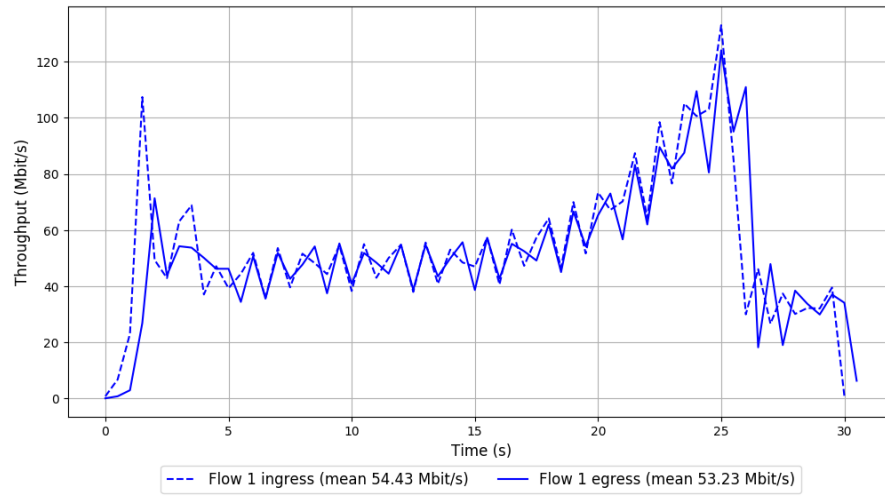


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 02:14:45  
End at: 2018-08-01 02:15:15  
Local clock offset: 0.855 ms  
Remote clock offset: -26.727 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.23 Mbit/s  
95th percentile per-packet one-way delay: 71.572 ms  
Loss rate: 2.20%  
-- Flow 1:  
Average throughput: 53.23 Mbit/s  
95th percentile per-packet one-way delay: 71.572 ms  
Loss rate: 2.20%

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

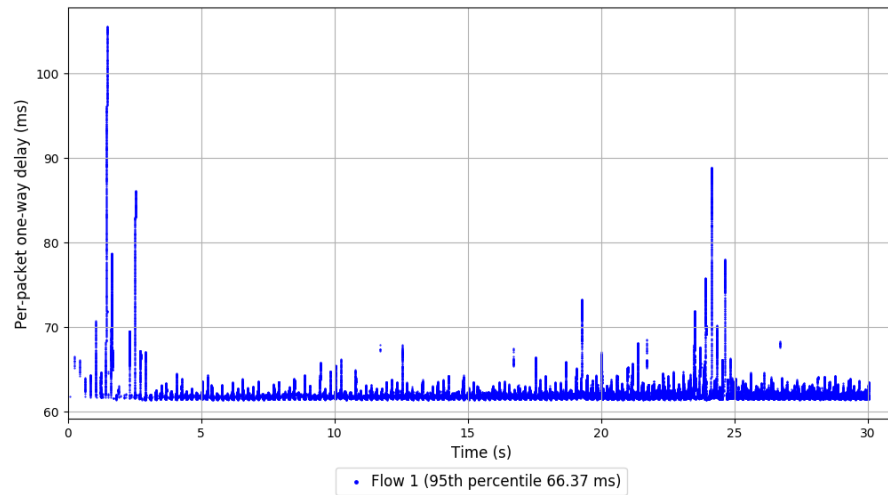
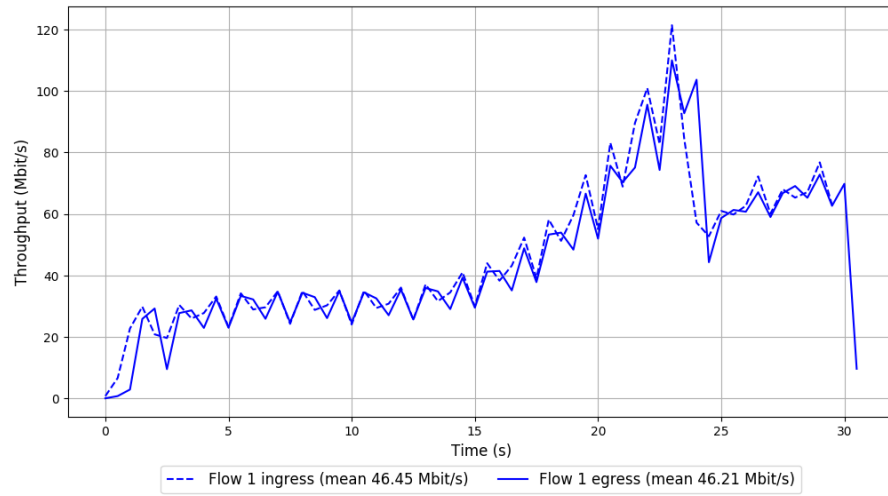


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 02:43:01  
End at: 2018-08-01 02:43:31  
Local clock offset: 0.065 ms  
Remote clock offset: -27.513 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.21 Mbit/s  
95th percentile per-packet one-way delay: 66.366 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 46.21 Mbit/s  
95th percentile per-packet one-way delay: 66.366 ms  
Loss rate: 0.50%

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

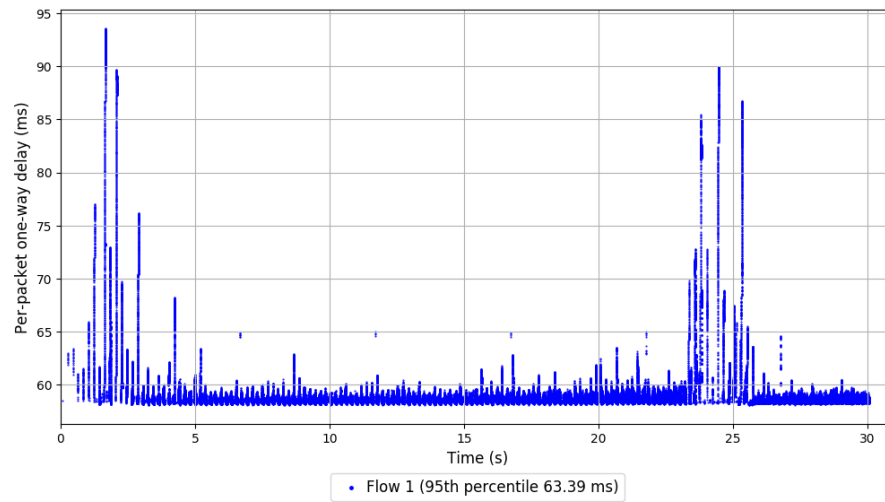
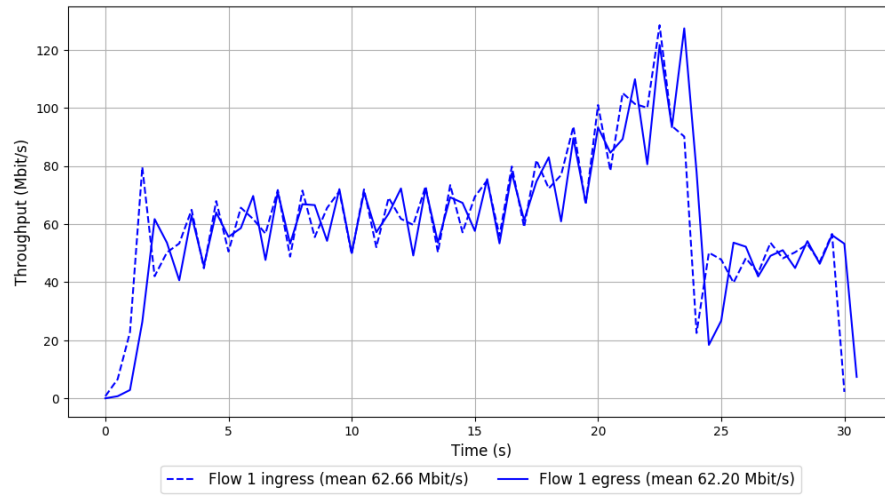


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 03:05:04  
End at: 2018-08-01 03:05:34  
Local clock offset: 0.58 ms  
Remote clock offset: -30.46 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.20 Mbit/s  
95th percentile per-packet one-way delay: 63.393 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 62.20 Mbit/s  
95th percentile per-packet one-way delay: 63.393 ms  
Loss rate: 0.75%

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



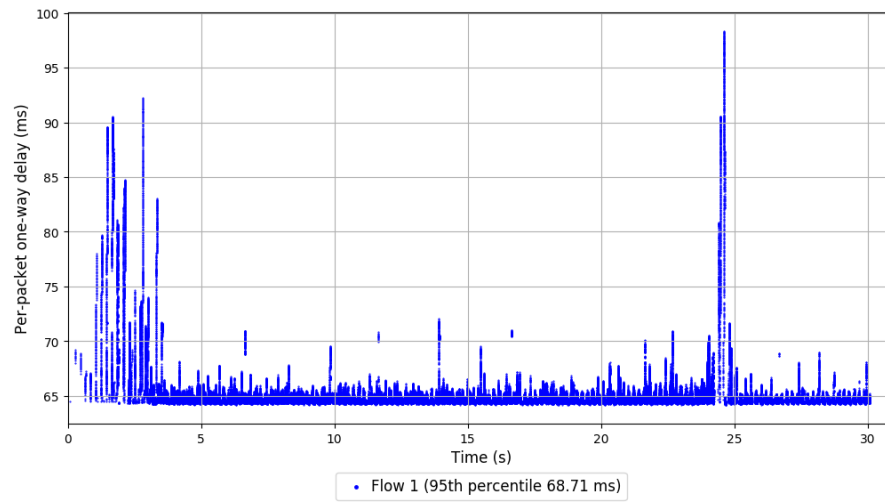
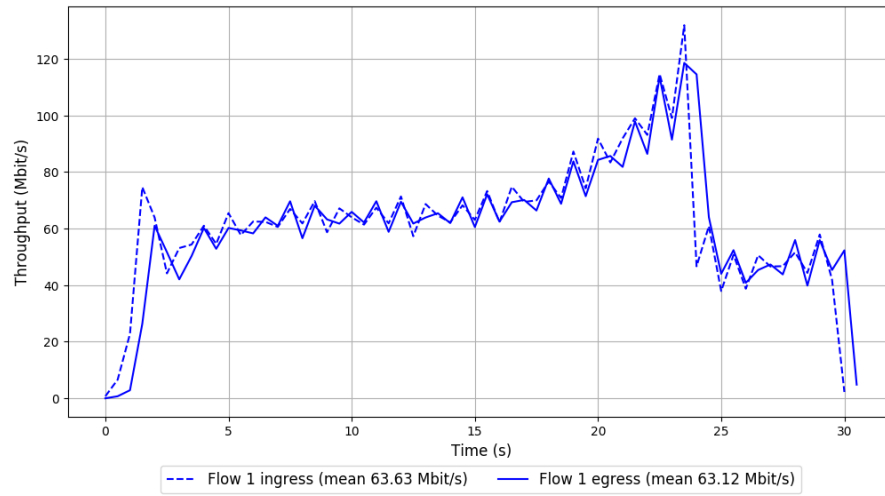
Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 03:27:08  
End at: 2018-08-01 03:27:38  
Local clock offset: 2.302 ms  
Remote clock offset: -25.942 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.12 Mbit/s  
95th percentile per-packet one-way delay: 68.708 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 63.12 Mbit/s  
95th percentile per-packet one-way delay: 68.708 ms  
Loss rate: 0.79%



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

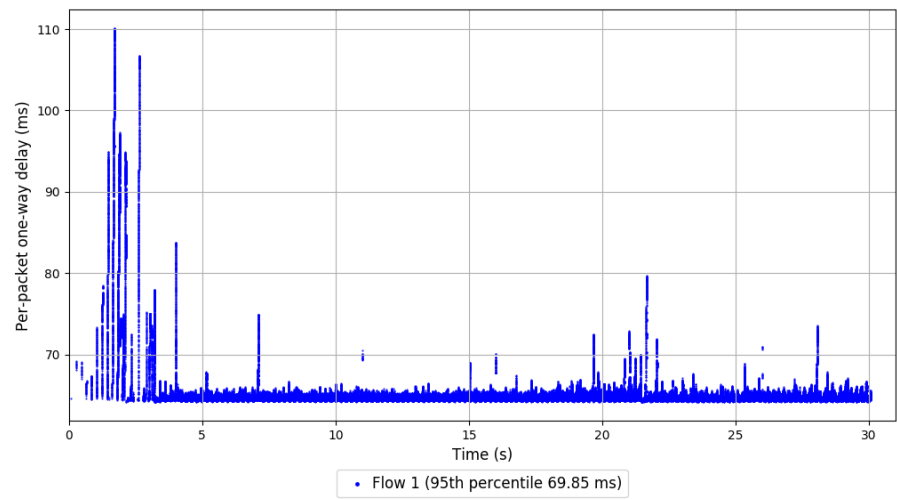
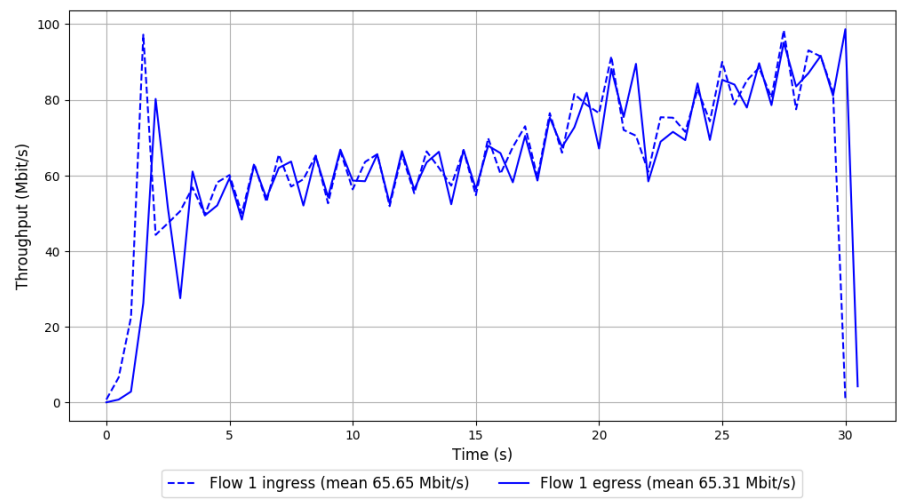


Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 03:49:19  
End at: 2018-08-01 03:49:49  
Local clock offset: 2.378 ms  
Remote clock offset: -23.588 ms

# Below is generated by plot.py at 2018-08-01 04:12:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.31 Mbit/s  
95th percentile per-packet one-way delay: 69.853 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 65.31 Mbit/s  
95th percentile per-packet one-way delay: 69.853 ms  
Loss rate: 0.52%

Run 10: Report of TCP Cubic — Data Link

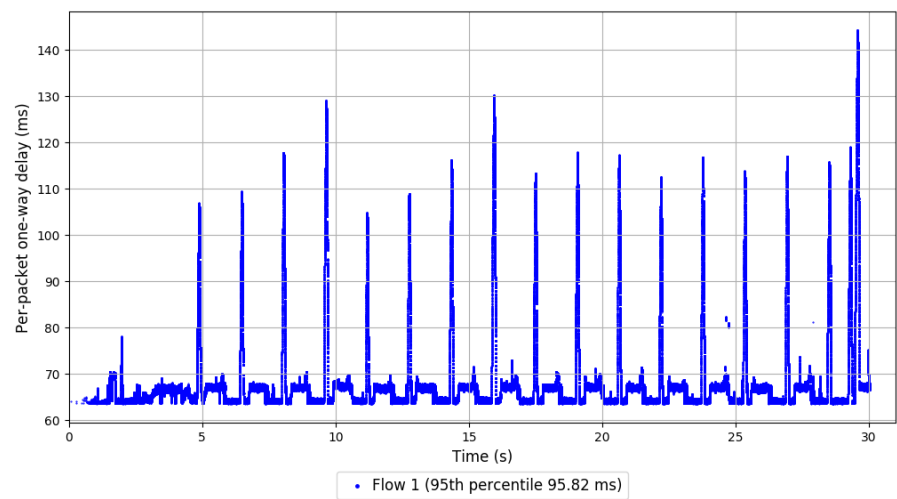
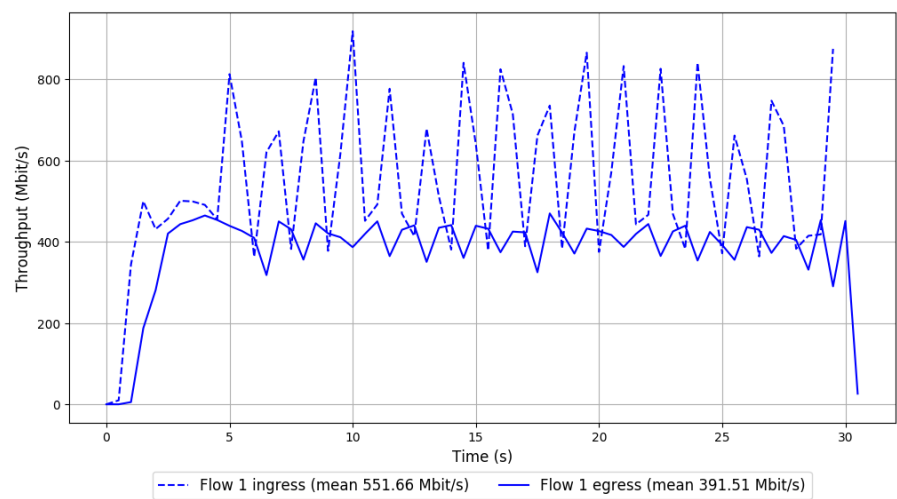


Run 1: Statistics of FillP

Start at: 2018-08-01 00:03:39  
End at: 2018-08-01 00:04:09  
Local clock offset: 2.322 ms  
Remote clock offset: -28.429 ms

# Below is generated by plot.py at 2018-08-01 04:16:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 391.51 Mbit/s  
95th percentile per-packet one-way delay: 95.822 ms  
Loss rate: 29.02%  
-- Flow 1:  
Average throughput: 391.51 Mbit/s  
95th percentile per-packet one-way delay: 95.822 ms  
Loss rate: 29.02%

Run 1: Report of FillP — Data Link

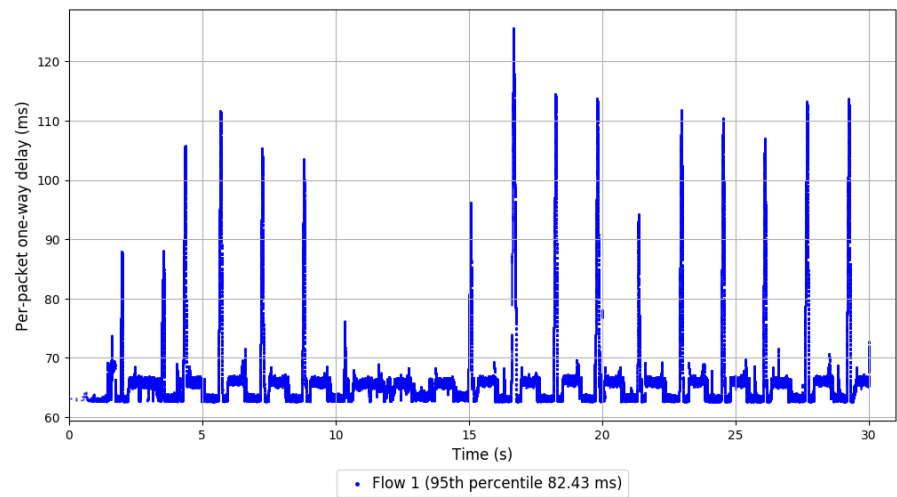
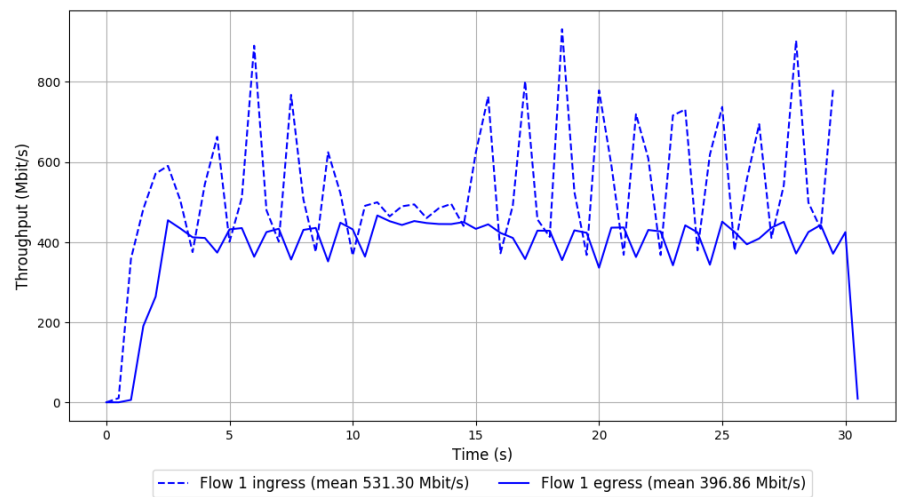


Run 2: Statistics of FillP

Start at: 2018-08-01 00:25:43  
End at: 2018-08-01 00:26:13  
Local clock offset: 2.578 ms  
Remote clock offset: -28.617 ms

# Below is generated by plot.py at 2018-08-01 04:16:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 396.86 Mbit/s  
95th percentile per-packet one-way delay: 82.426 ms  
Loss rate: 25.30%  
-- Flow 1:  
Average throughput: 396.86 Mbit/s  
95th percentile per-packet one-way delay: 82.426 ms  
Loss rate: 25.30%

Run 2: Report of FillP — Data Link



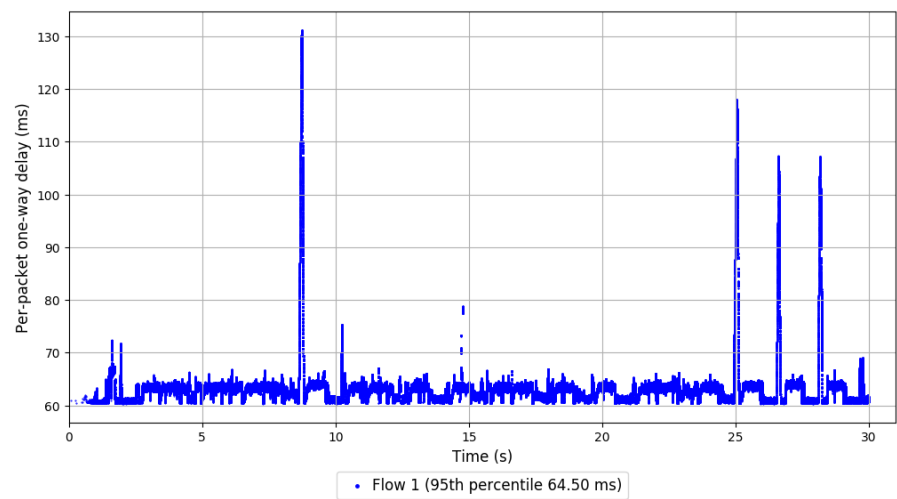
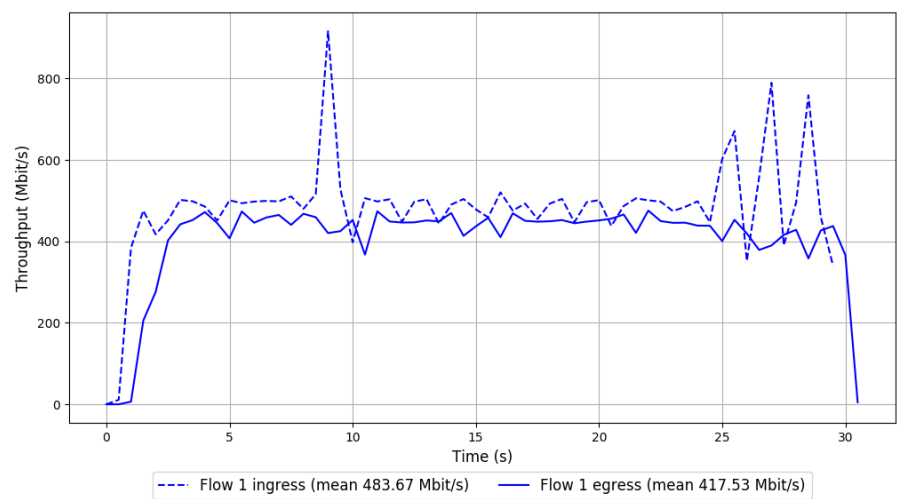
Run 3: Statistics of FillP

Start at: 2018-08-01 00:47:47  
End at: 2018-08-01 00:48:17  
Local clock offset: 2.721 ms  
Remote clock offset: -27.444 ms

# Below is generated by plot.py at 2018-08-01 04:16:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 417.53 Mbit/s  
95th percentile per-packet one-way delay: 64.496 ms  
Loss rate: 13.68%  
-- Flow 1:  
Average throughput: 417.53 Mbit/s  
95th percentile per-packet one-way delay: 64.496 ms  
Loss rate: 13.68%



Run 3: Report of FillP — Data Link

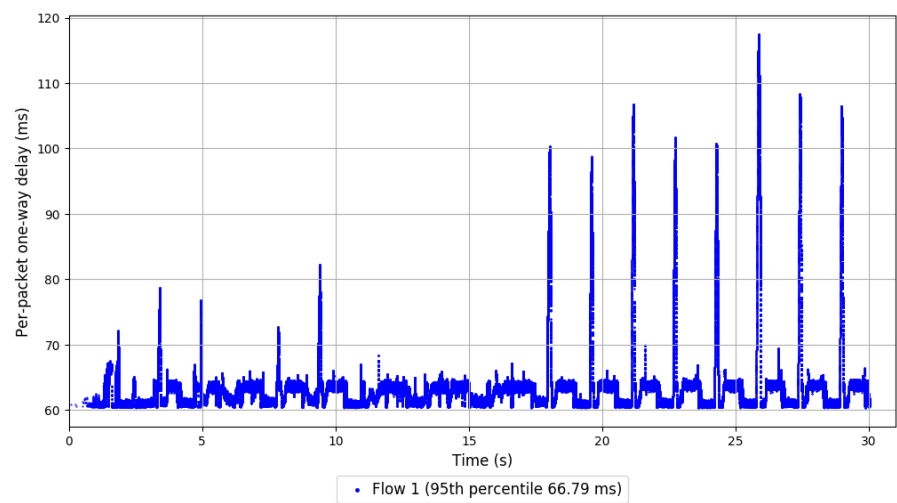
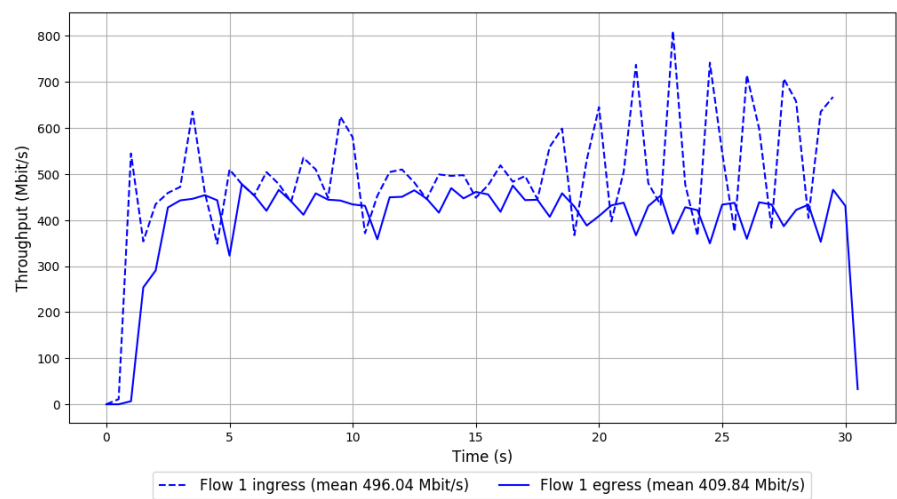


Run 4: Statistics of FillP

Start at: 2018-08-01 01:15:30  
End at: 2018-08-01 01:16:00  
Local clock offset: -2.102 ms  
Remote clock offset: -28.482 ms

# Below is generated by plot.py at 2018-08-01 04:17:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 409.84 Mbit/s  
95th percentile per-packet one-way delay: 66.790 ms  
Loss rate: 17.38%  
-- Flow 1:  
Average throughput: 409.84 Mbit/s  
95th percentile per-packet one-way delay: 66.790 ms  
Loss rate: 17.38%

Run 4: Report of FillP — Data Link

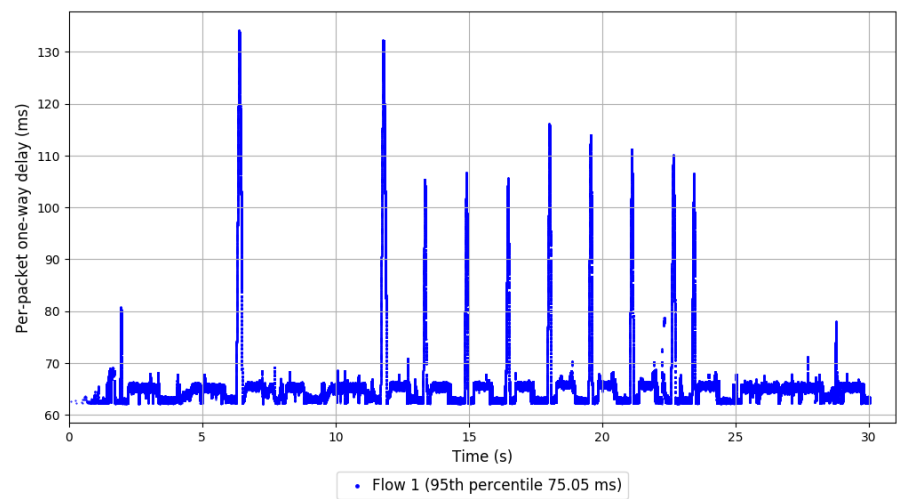
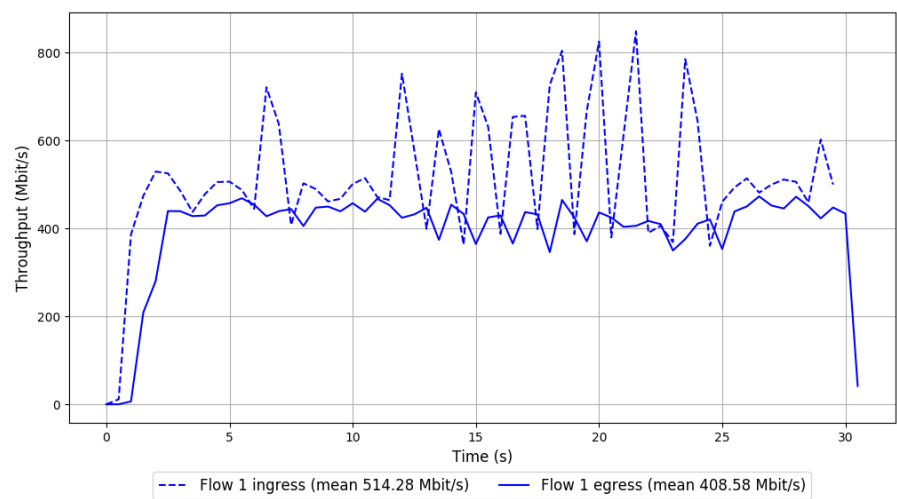


Run 5: Statistics of FillP

Start at: 2018-08-01 01:37:37  
End at: 2018-08-01 01:38:07  
Local clock offset: 0.182 ms  
Remote clock offset: -26.239 ms

# Below is generated by plot.py at 2018-08-01 04:17:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 408.58 Mbit/s  
95th percentile per-packet one-way delay: 75.052 ms  
Loss rate: 20.55%  
-- Flow 1:  
Average throughput: 408.58 Mbit/s  
95th percentile per-packet one-way delay: 75.052 ms  
Loss rate: 20.55%

Run 5: Report of FillP — Data Link

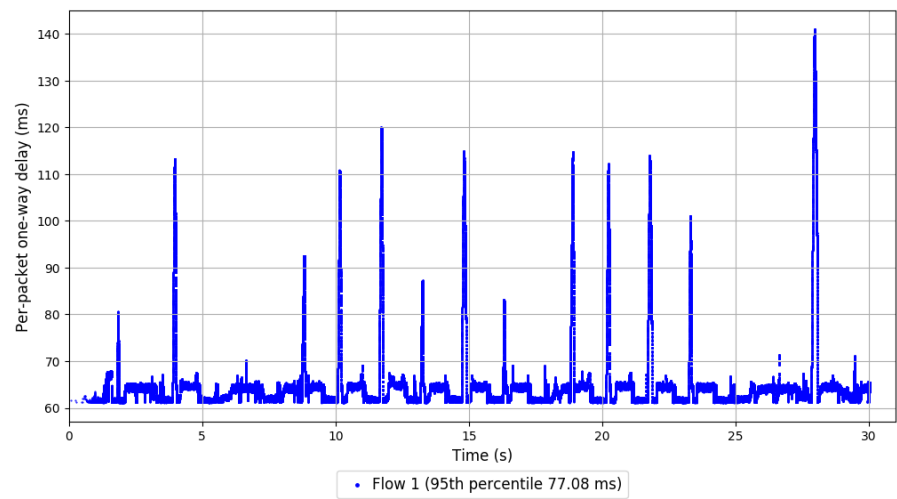
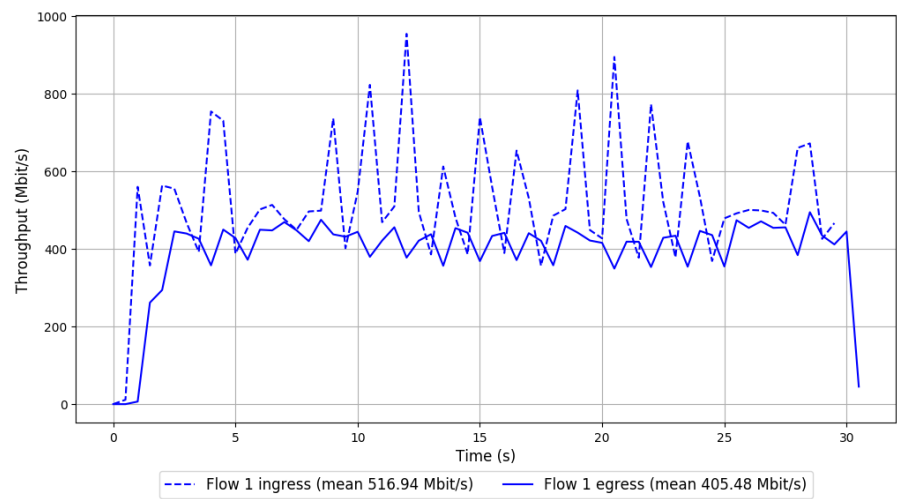


Run 6: Statistics of FillP

Start at: 2018-08-01 02:05:16  
End at: 2018-08-01 02:05:46  
Local clock offset: 2.331 ms  
Remote clock offset: -24.898 ms

# Below is generated by plot.py at 2018-08-01 04:17:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 405.48 Mbit/s  
95th percentile per-packet one-way delay: 77.084 ms  
Loss rate: 21.55%  
-- Flow 1:  
Average throughput: 405.48 Mbit/s  
95th percentile per-packet one-way delay: 77.084 ms  
Loss rate: 21.55%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

/home/ubuntu/pantheon/data/2018-08-01T00-01-AWS-India-2-to-Saudi-Arabia-10-runs/fillp\_stats.



## Run 7: Report of FillP — Data Link

Figure is missing

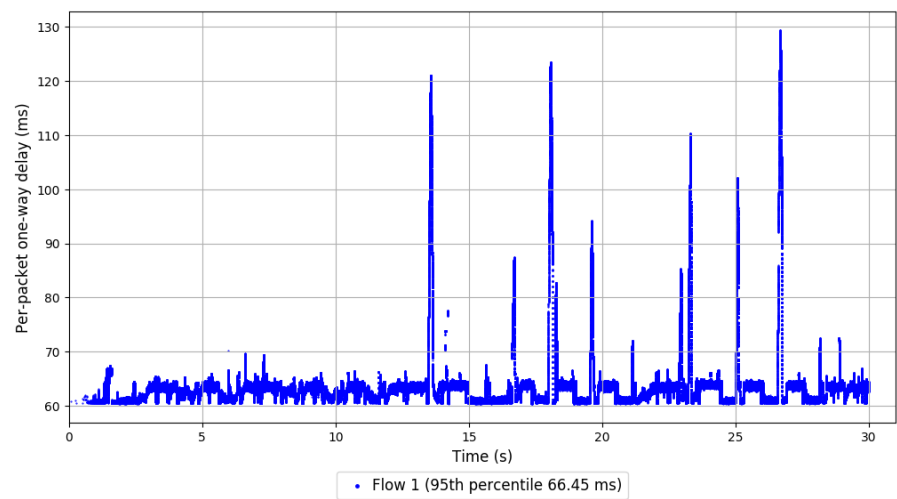
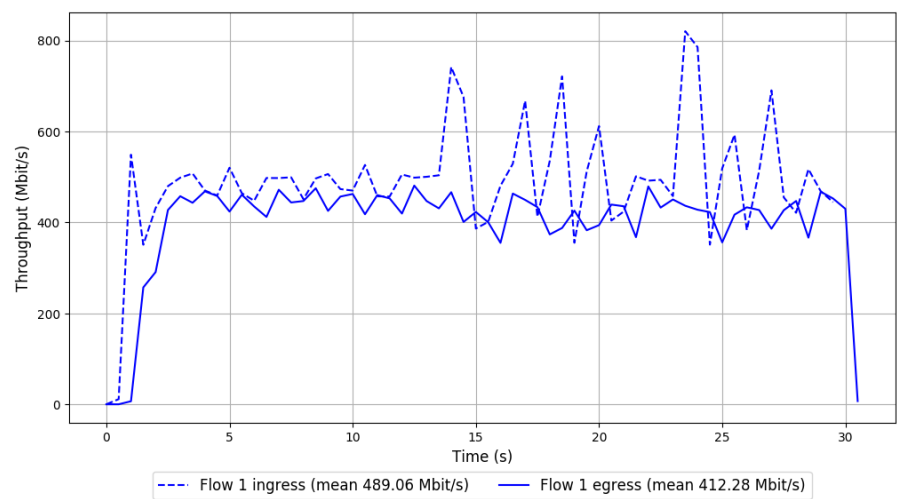
Figure is missing

Run 8: Statistics of FillP

Start at: 2018-08-01 02:55:42  
End at: 2018-08-01 02:56:12  
Local clock offset: 0.809 ms  
Remote clock offset: -27.623 ms

# Below is generated by plot.py at 2018-08-01 04:17:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 412.28 Mbit/s  
95th percentile per-packet one-way delay: 66.455 ms  
Loss rate: 15.69%  
-- Flow 1:  
Average throughput: 412.28 Mbit/s  
95th percentile per-packet one-way delay: 66.455 ms  
Loss rate: 15.69%

Run 8: Report of FillP — Data Link

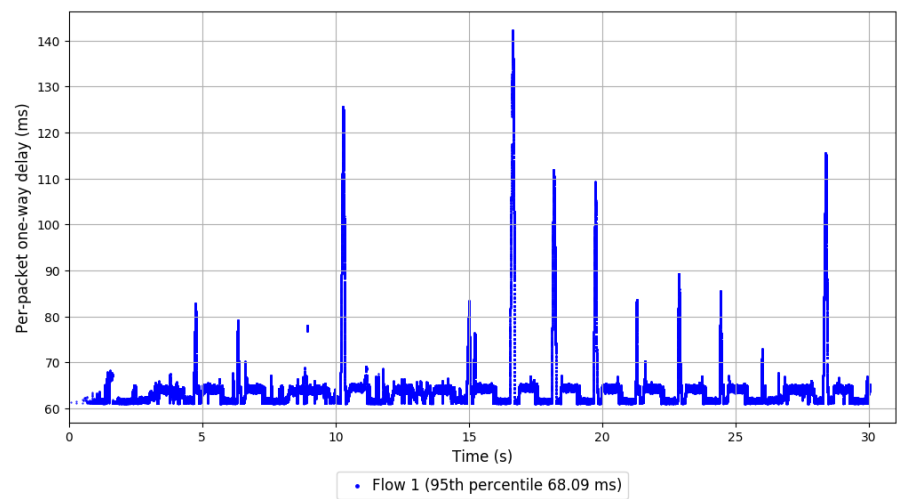
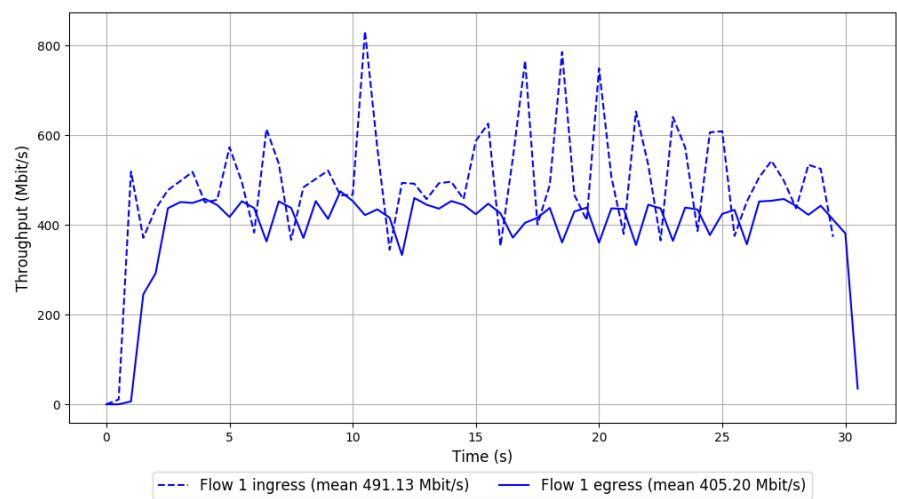


Run 9: Statistics of FillP

Start at: 2018-08-01 03:17:46  
End at: 2018-08-01 03:18:16  
Local clock offset: 0.888 ms  
Remote clock offset: -30.06 ms

# Below is generated by plot.py at 2018-08-01 04:18:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 405.20 Mbit/s  
95th percentile per-packet one-way delay: 68.090 ms  
Loss rate: 17.49%  
-- Flow 1:  
Average throughput: 405.20 Mbit/s  
95th percentile per-packet one-way delay: 68.090 ms  
Loss rate: 17.49%

Run 9: Report of FillP — Data Link

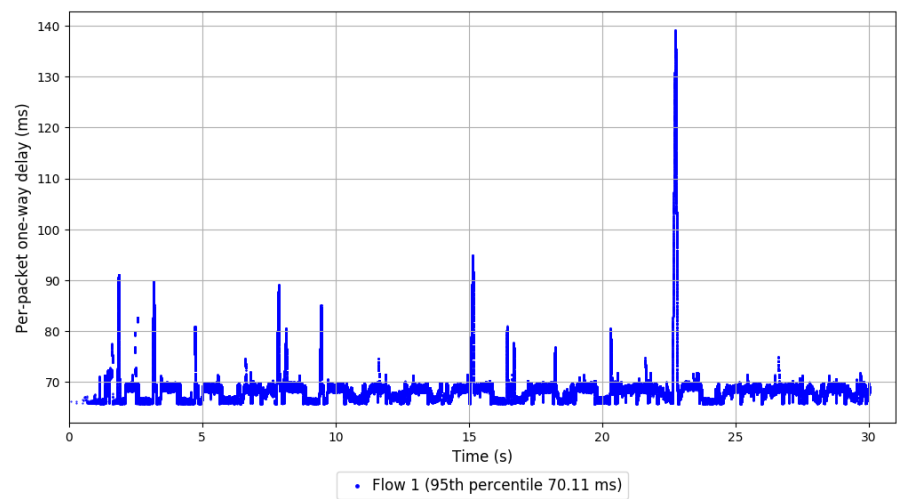
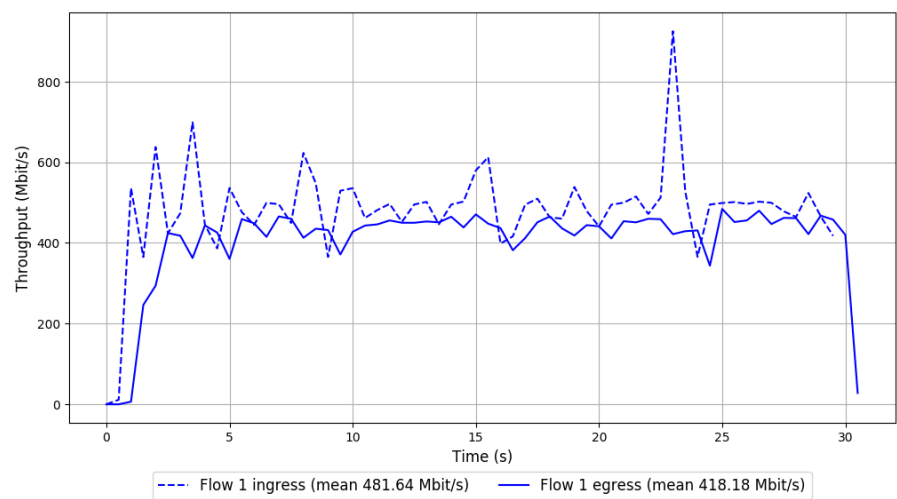


Run 10: Statistics of FillP

Start at: 2018-08-01 03:39:52  
End at: 2018-08-01 03:40:22  
Local clock offset: -0.734 ms  
Remote clock offset: -25.252 ms

# Below is generated by plot.py at 2018-08-01 04:22:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 418.18 Mbit/s  
95th percentile per-packet one-way delay: 70.109 ms  
Loss rate: 13.17%  
-- Flow 1:  
Average throughput: 418.18 Mbit/s  
95th percentile per-packet one-way delay: 70.109 ms  
Loss rate: 13.17%

Run 10: Report of FillP — Data Link



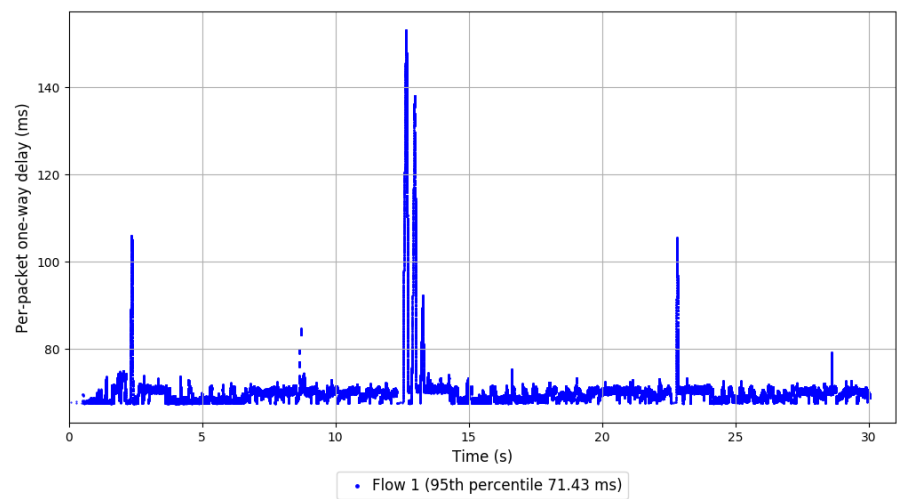
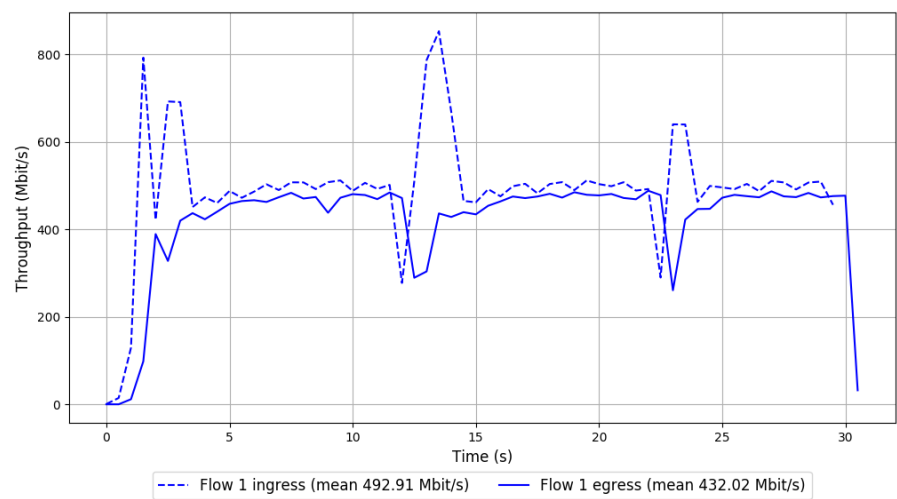
Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 00:17:55  
End at: 2018-08-01 00:18:25  
Local clock offset: 1.556 ms  
Remote clock offset: -25.81 ms

# Below is generated by plot.py at 2018-08-01 04:23:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 432.02 Mbit/s  
95th percentile per-packet one-way delay: 71.432 ms  
Loss rate: 12.35%  
-- Flow 1:  
Average throughput: 432.02 Mbit/s  
95th percentile per-packet one-way delay: 71.432 ms  
Loss rate: 12.35%



Run 1: Report of FillP-Sheep — Data Link

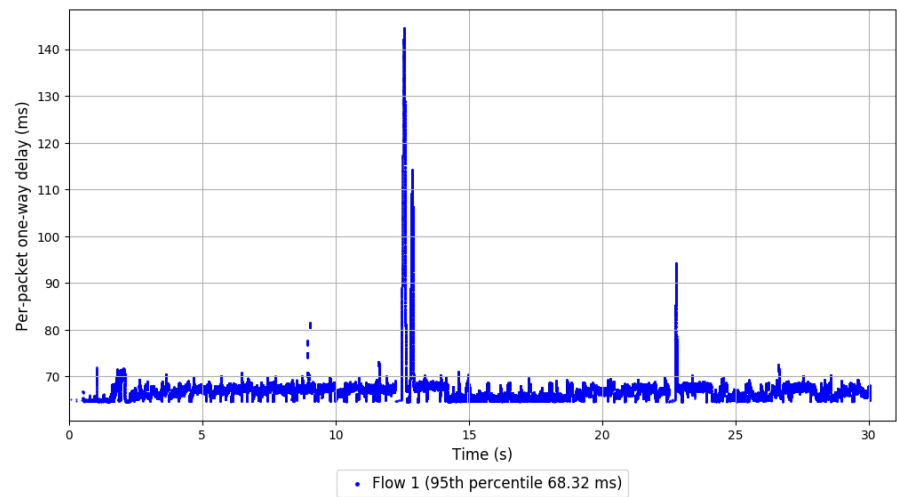
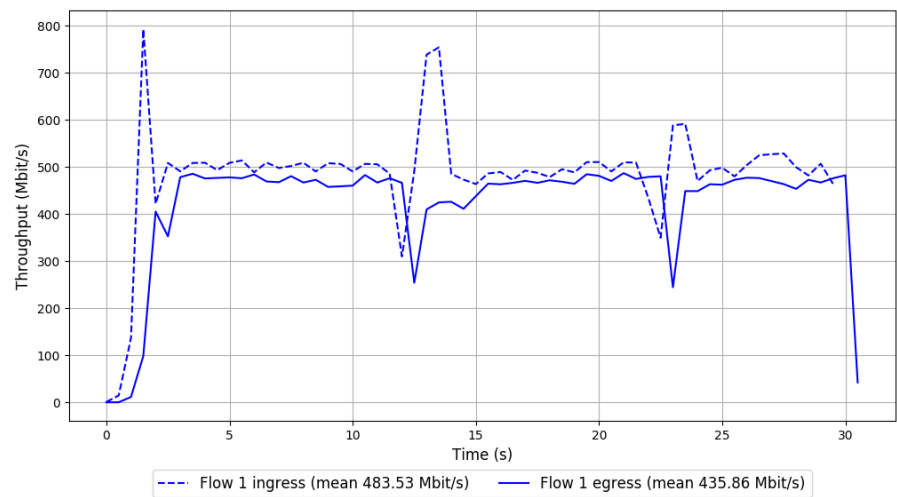


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 00:39:53  
End at: 2018-08-01 00:40:23  
Local clock offset: 1.615 ms  
Remote clock offset: -24.113 ms

# Below is generated by plot.py at 2018-08-01 04:23:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 435.86 Mbit/s  
95th percentile per-packet one-way delay: 68.324 ms  
Loss rate: 9.85%  
-- Flow 1:  
Average throughput: 435.86 Mbit/s  
95th percentile per-packet one-way delay: 68.324 ms  
Loss rate: 9.85%

Run 2: Report of FillP-Sheep — Data Link

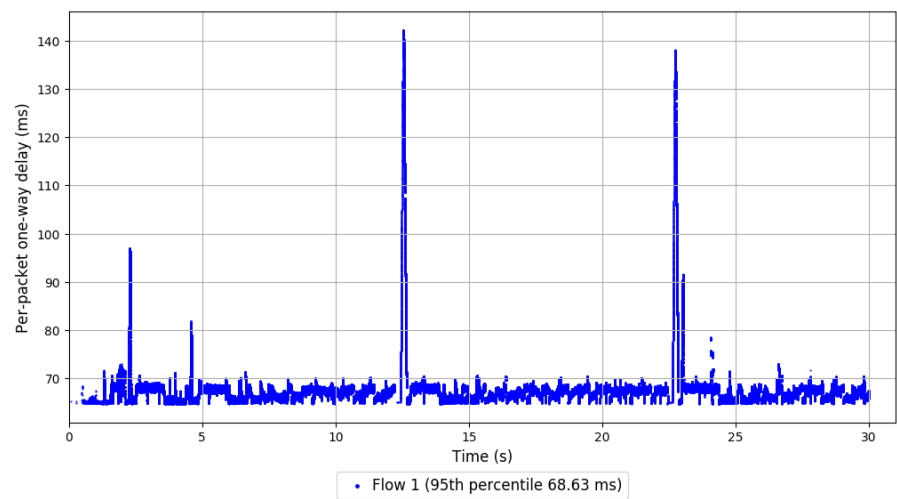
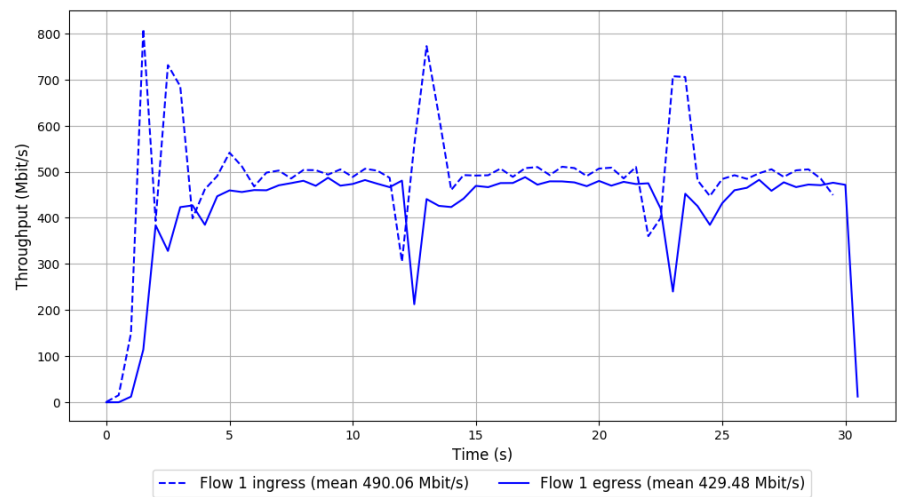


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 01:07:37  
End at: 2018-08-01 01:08:07  
Local clock offset: -2.294 ms  
Remote clock offset: -24.837 ms

# Below is generated by plot.py at 2018-08-01 04:23:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 429.48 Mbit/s  
95th percentile per-packet one-way delay: 68.634 ms  
Loss rate: 12.36%  
-- Flow 1:  
Average throughput: 429.48 Mbit/s  
95th percentile per-packet one-way delay: 68.634 ms  
Loss rate: 12.36%

Run 3: Report of FillP-Sheep — Data Link

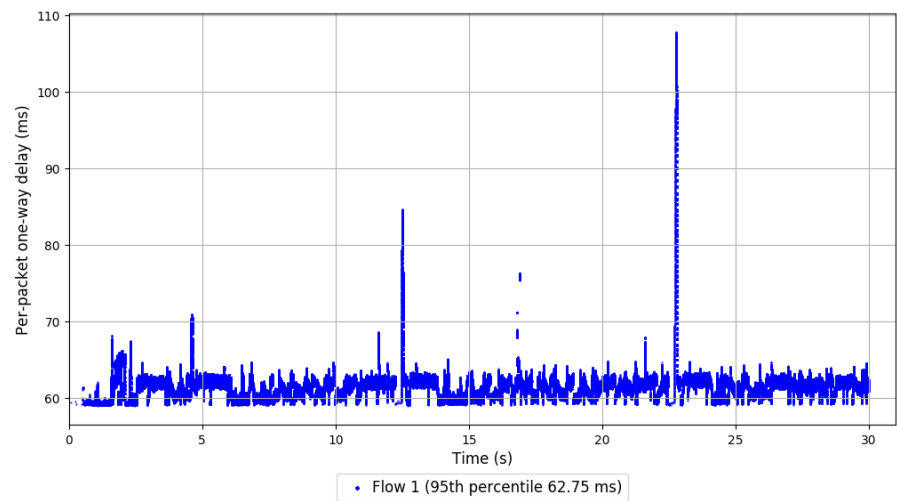
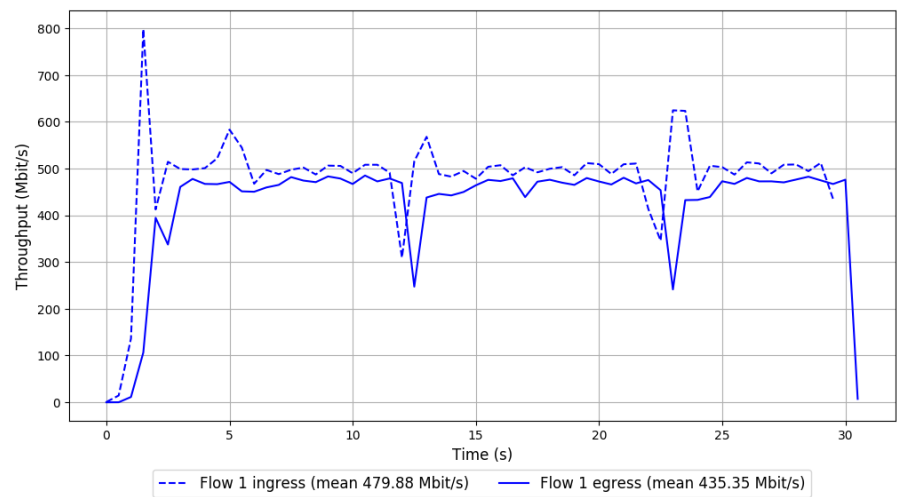


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 01:29:43  
End at: 2018-08-01 01:30:13  
Local clock offset: 1.79 ms  
Remote clock offset: -26.991 ms

# Below is generated by plot.py at 2018-08-01 04:23:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 435.35 Mbit/s  
95th percentile per-packet one-way delay: 62.751 ms  
Loss rate: 9.27%  
-- Flow 1:  
Average throughput: 435.35 Mbit/s  
95th percentile per-packet one-way delay: 62.751 ms  
Loss rate: 9.27%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 01:57:21

End at: 2018-08-01 01:57:51

Local clock offset: 1.018 ms

Remote clock offset: -26.659 ms

# Below is generated by plot.py at 2018-08-01 04:23:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 436.87 Mbit/s

95th percentile per-packet one-way delay: 65.125 ms

Loss rate: 8.60%

-- Flow 1:

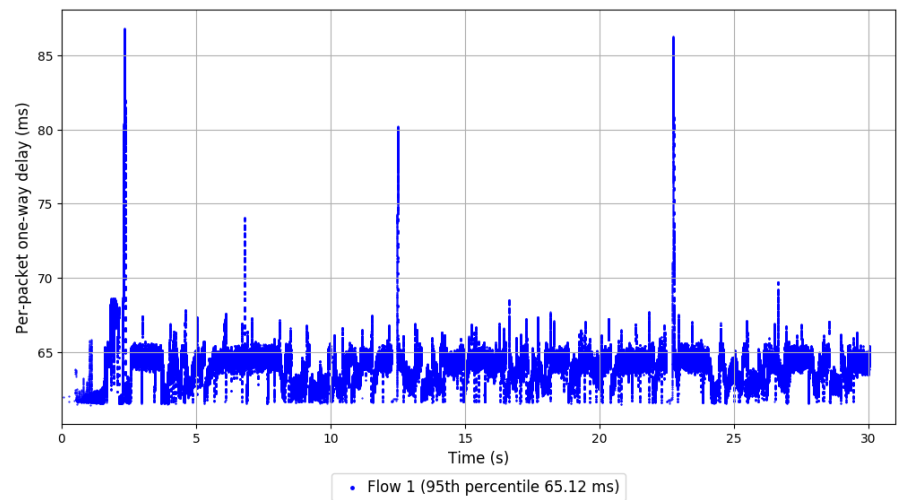
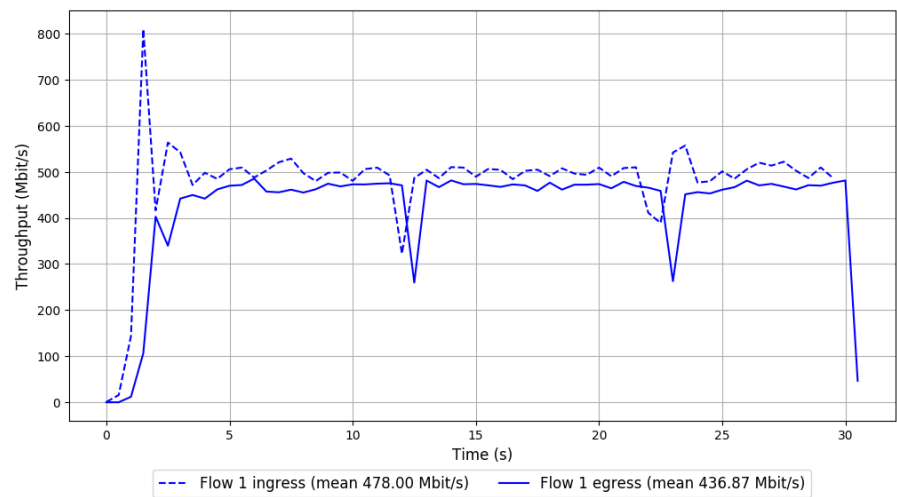
Average throughput: 436.87 Mbit/s

95th percentile per-packet one-way delay: 65.125 ms

Loss rate: 8.60%



Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 02:19:33

End at: 2018-08-01 02:20:03

Local clock offset: 1.17 ms

Remote clock offset: -29.649 ms

# Below is generated by plot.py at 2018-08-01 04:23:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 439.14 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 7.92%

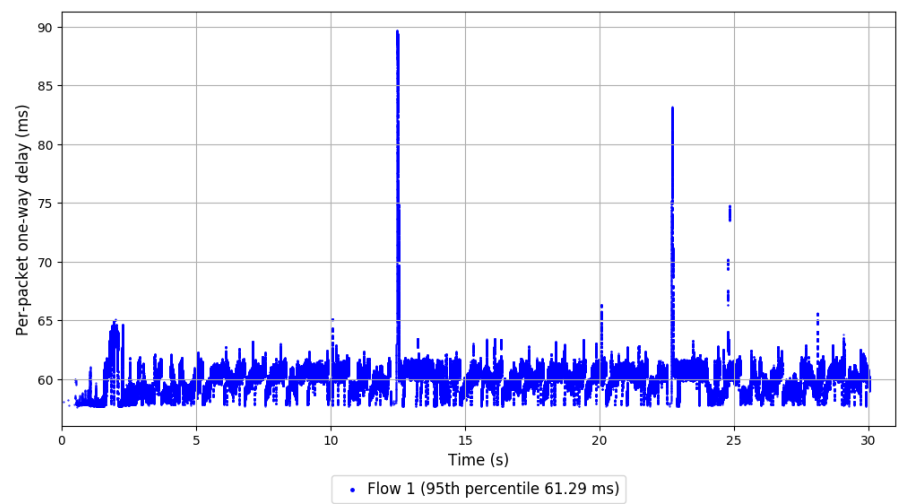
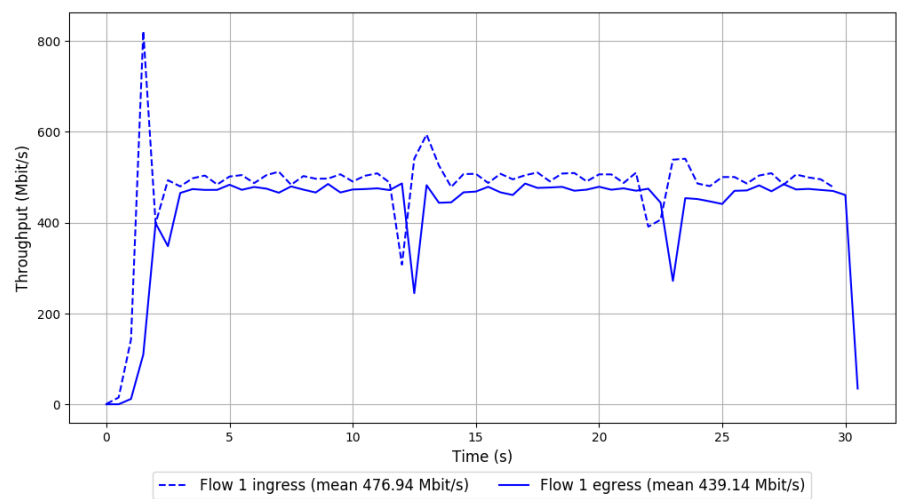
-- Flow 1:

Average throughput: 439.14 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 7.92%

Run 6: Report of FillP-Sheep — Data Link

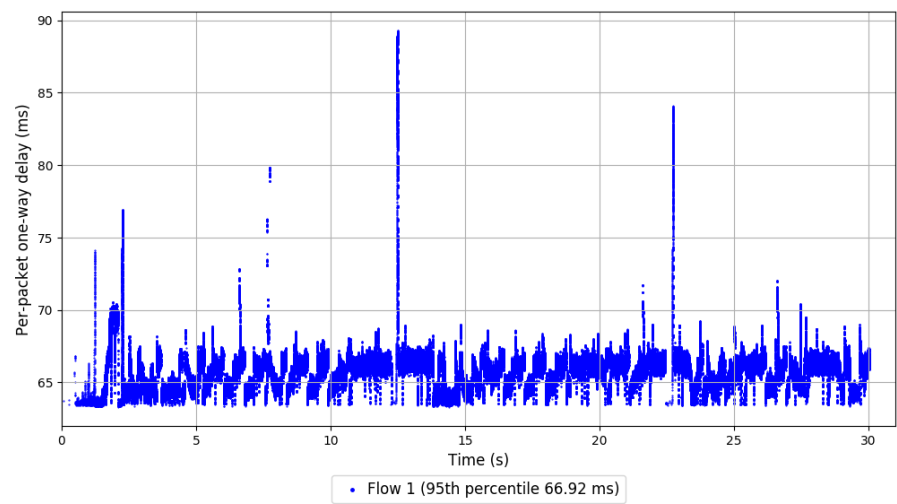
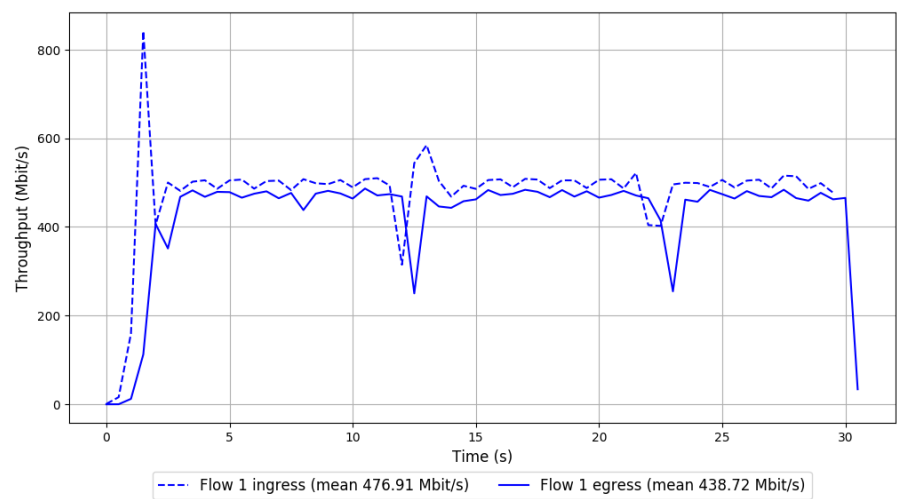


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 02:47:49  
End at: 2018-08-01 02:48:19  
Local clock offset: -0.495 ms  
Remote clock offset: -26.196 ms

# Below is generated by plot.py at 2018-08-01 04:25:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 438.72 Mbit/s  
95th percentile per-packet one-way delay: 66.919 ms  
Loss rate: 8.00%  
-- Flow 1:  
Average throughput: 438.72 Mbit/s  
95th percentile per-packet one-way delay: 66.919 ms  
Loss rate: 8.00%

Run 7: Report of FillP-Sheep — Data Link

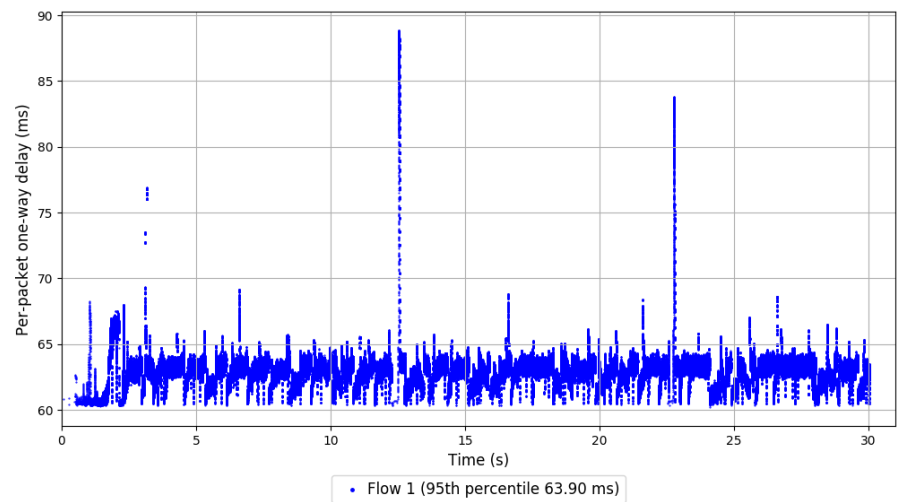
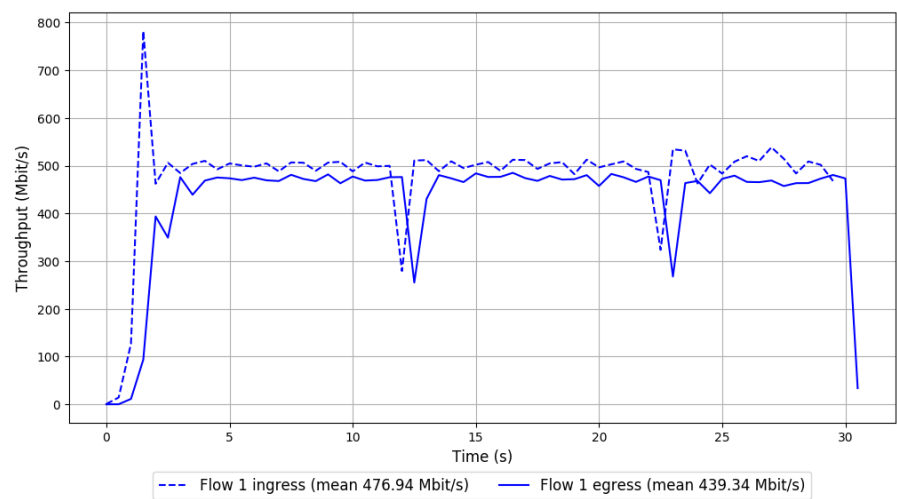


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 03:09:53  
End at: 2018-08-01 03:10:23  
Local clock offset: 1.558 ms  
Remote clock offset: -30.169 ms

# Below is generated by plot.py at 2018-08-01 04:28:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 439.34 Mbit/s  
95th percentile per-packet one-way delay: 63.902 ms  
Loss rate: 7.88%  
-- Flow 1:  
Average throughput: 439.34 Mbit/s  
95th percentile per-packet one-way delay: 63.902 ms  
Loss rate: 7.88%

Run 8: Report of FillP-Sheep — Data Link



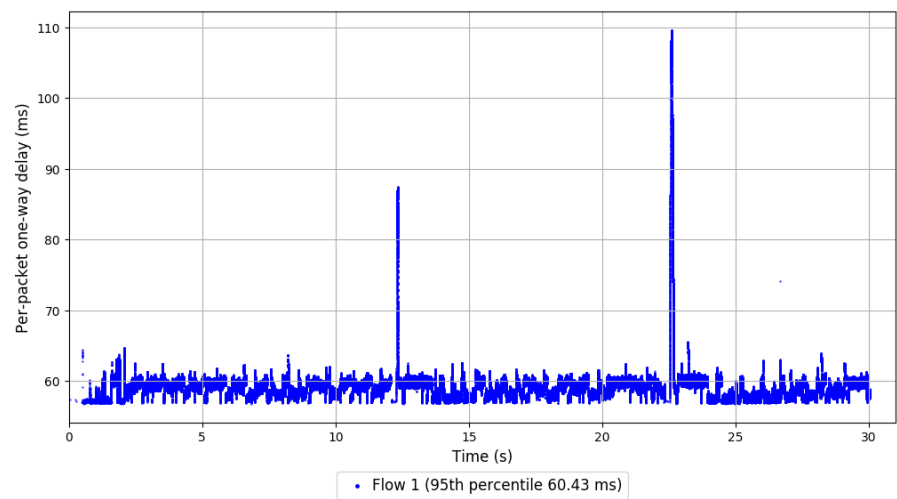
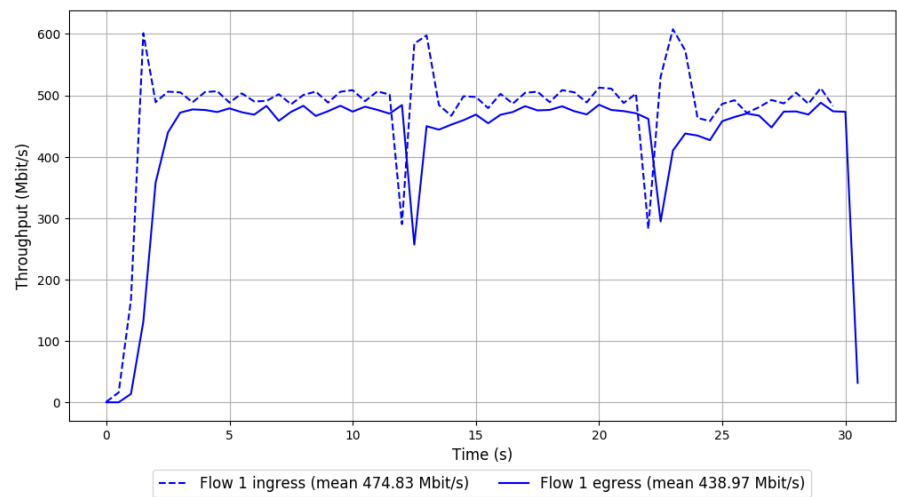
Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 03:31:57  
End at: 2018-08-01 03:32:27  
Local clock offset: 2.594 ms  
Remote clock offset: -30.35 ms

# Below is generated by plot.py at 2018-08-01 04:28:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 438.97 Mbit/s  
95th percentile per-packet one-way delay: 60.432 ms  
Loss rate: 7.55%  
-- Flow 1:  
Average throughput: 438.97 Mbit/s  
95th percentile per-packet one-way delay: 60.432 ms  
Loss rate: 7.55%



Run 9: Report of FillP-Sheep — Data Link

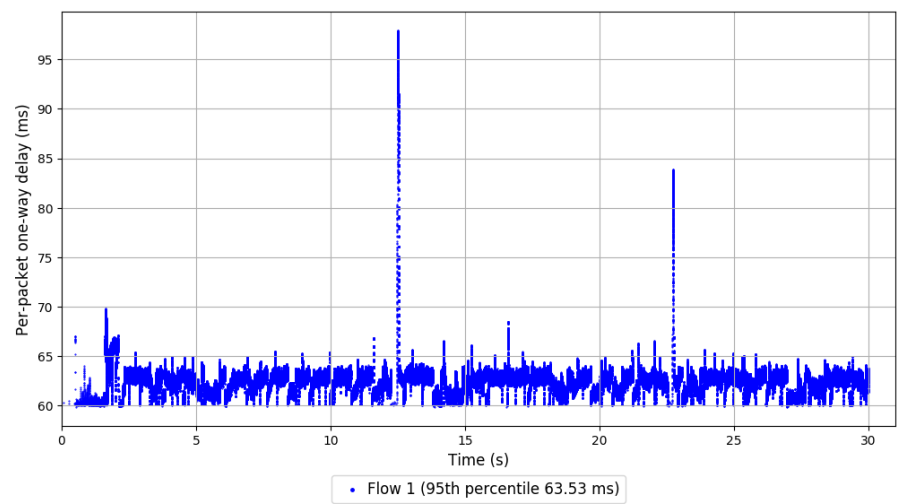
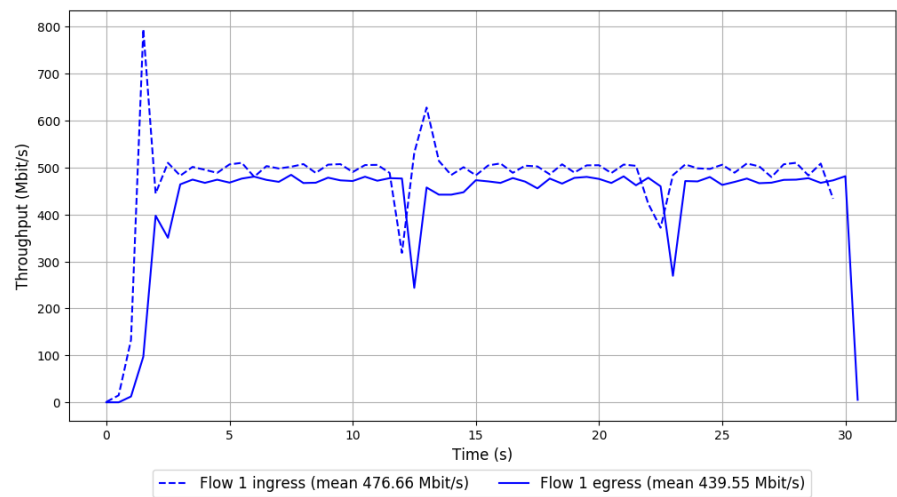


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 03:54:08  
End at: 2018-08-01 03:54:38  
Local clock offset: 0.851 ms  
Remote clock offset: -29.206 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 439.55 Mbit/s  
95th percentile per-packet one-way delay: 63.532 ms  
Loss rate: 7.78%  
-- Flow 1:  
Average throughput: 439.55 Mbit/s  
95th percentile per-packet one-way delay: 63.532 ms  
Loss rate: 7.78%

Run 10: Report of FillP-Sheep — Data Link

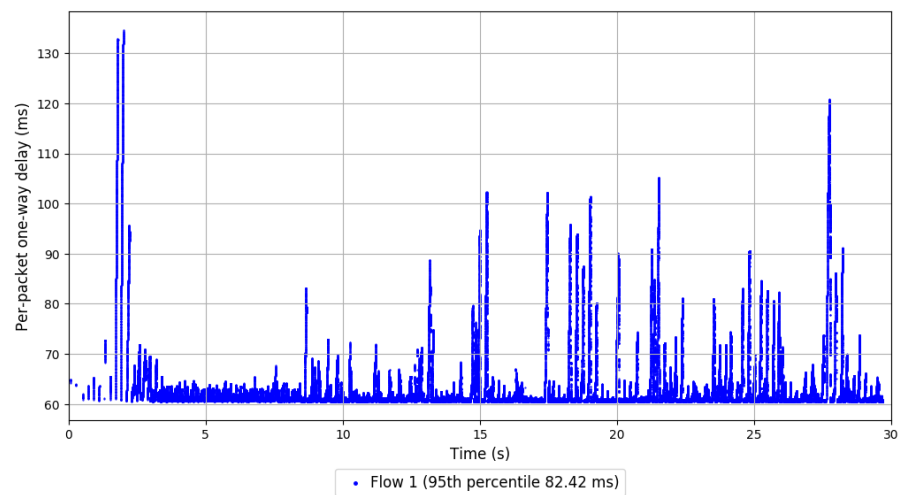
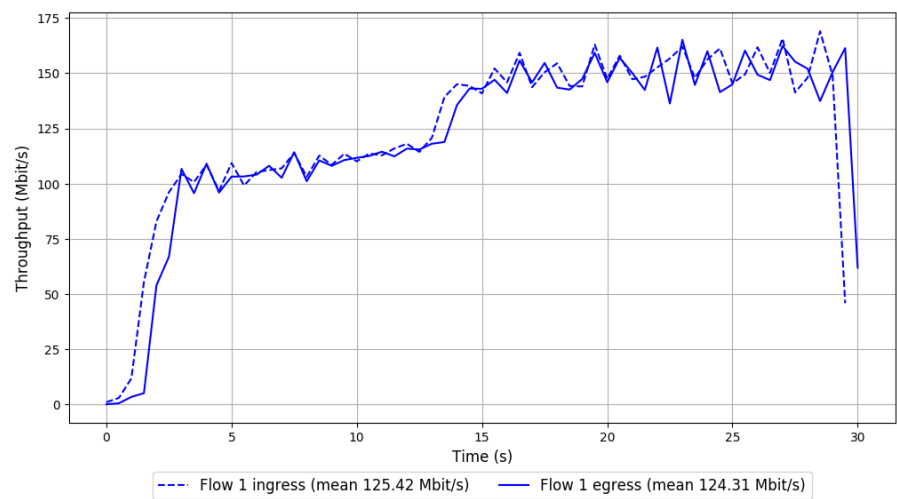


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 00:07:51
End at: 2018-08-01 00:08:21
Local clock offset: 0.544 ms
Remote clock offset: -30.366 ms

# Below is generated by plot.py at 2018-08-01 04:28:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.31 Mbit/s
95th percentile per-packet one-way delay: 82.422 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 124.31 Mbit/s
95th percentile per-packet one-way delay: 82.422 ms
Loss rate: 0.90%
```

Run 1: Report of Indigo — Data Link

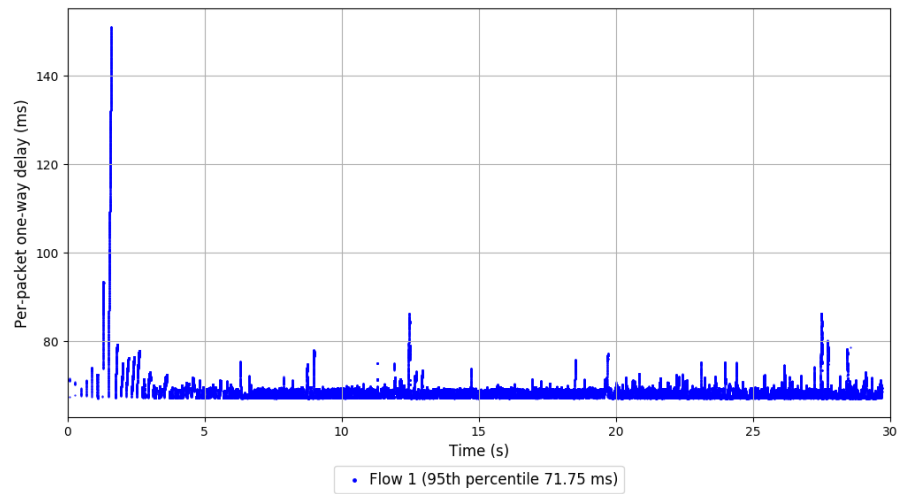
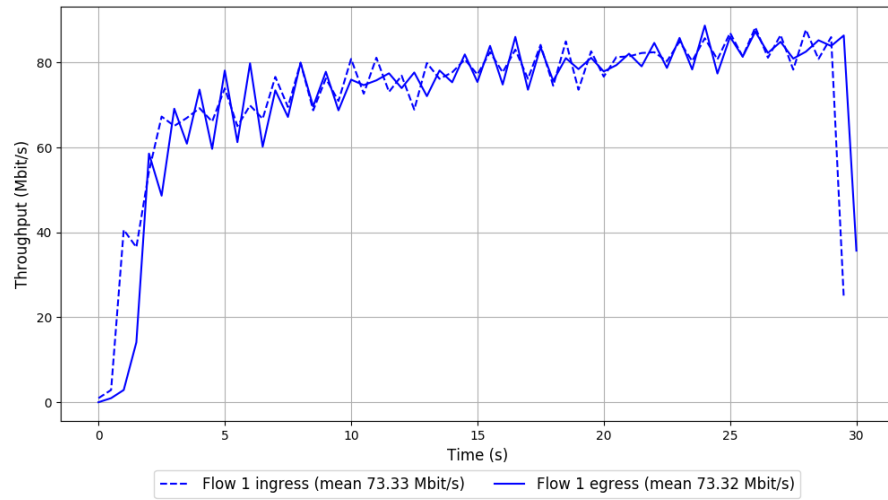


Run 2: Statistics of Indigo

Start at: 2018-08-01 00:29:50  
End at: 2018-08-01 00:30:20  
Local clock offset: 0.237 ms  
Remote clock offset: -26.253 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.32 Mbit/s  
95th percentile per-packet one-way delay: 71.752 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 73.32 Mbit/s  
95th percentile per-packet one-way delay: 71.752 ms  
Loss rate: 0.00%

## Run 2: Report of Indigo — Data Link



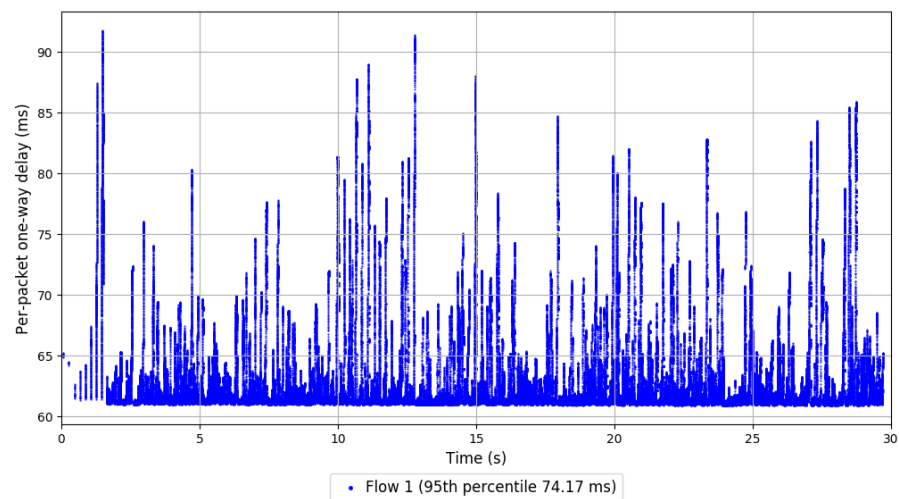
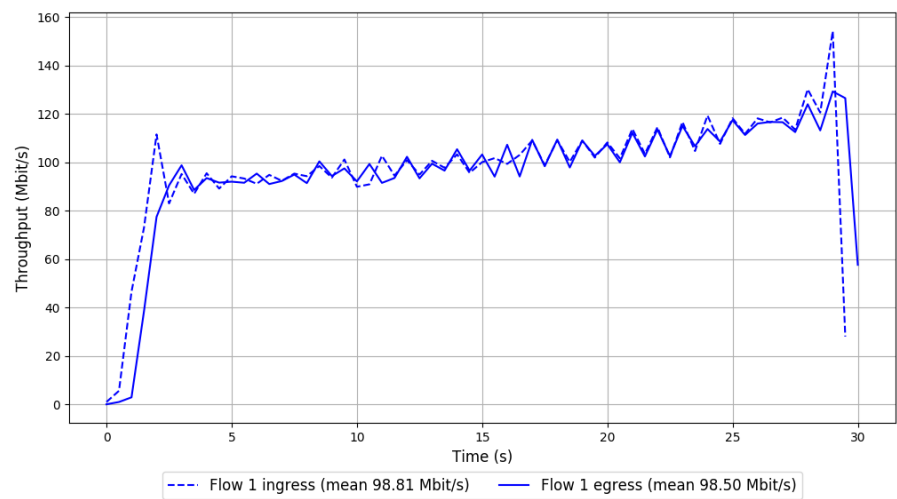
Run 3: Statistics of Indigo

Start at: 2018-08-01 00:57:32  
End at: 2018-08-01 00:58:02  
Local clock offset: -1.088 ms  
Remote clock offset: -28.739 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 98.50 Mbit/s  
95th percentile per-packet one-way delay: 74.168 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 98.50 Mbit/s  
95th percentile per-packet one-way delay: 74.168 ms  
Loss rate: 0.33%



Run 3: Report of Indigo — Data Link

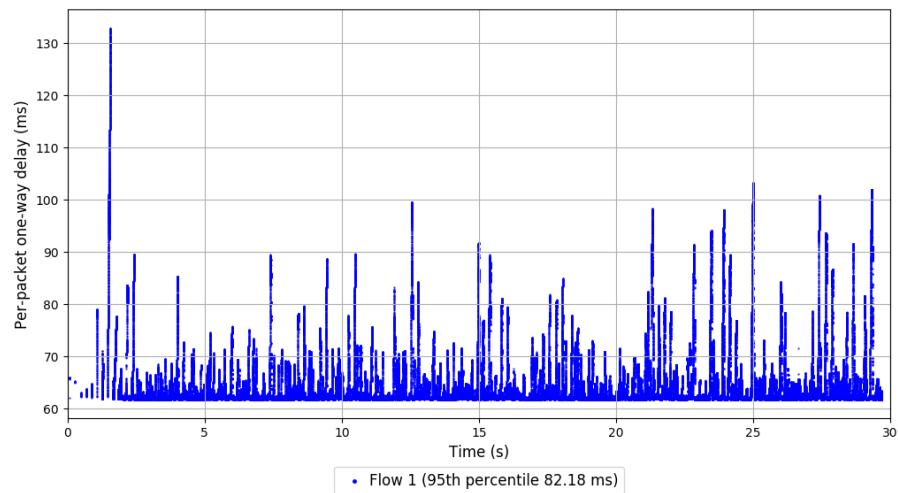
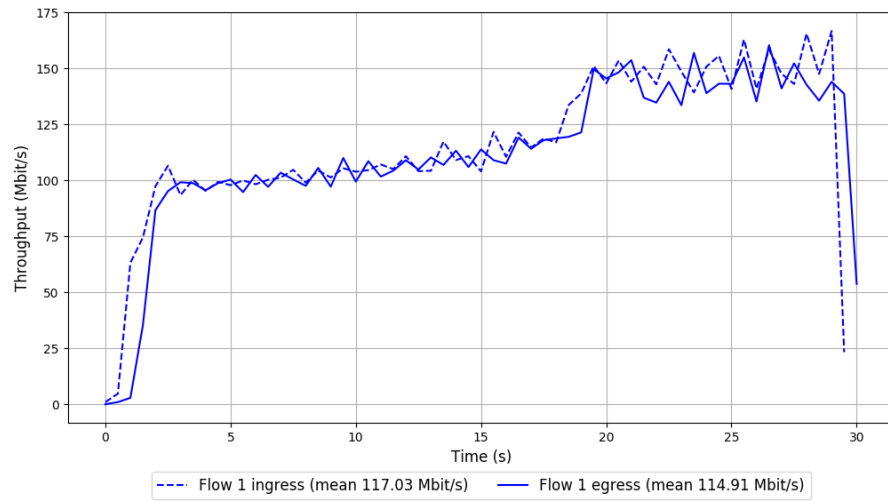


Run 4: Statistics of Indigo

Start at: 2018-08-01 01:19:38  
End at: 2018-08-01 01:20:08  
Local clock offset: -2.632 ms  
Remote clock offset: -27.529 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 114.91 Mbit/s  
95th percentile per-packet one-way delay: 82.183 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 114.91 Mbit/s  
95th percentile per-packet one-way delay: 82.183 ms  
Loss rate: 1.81%

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

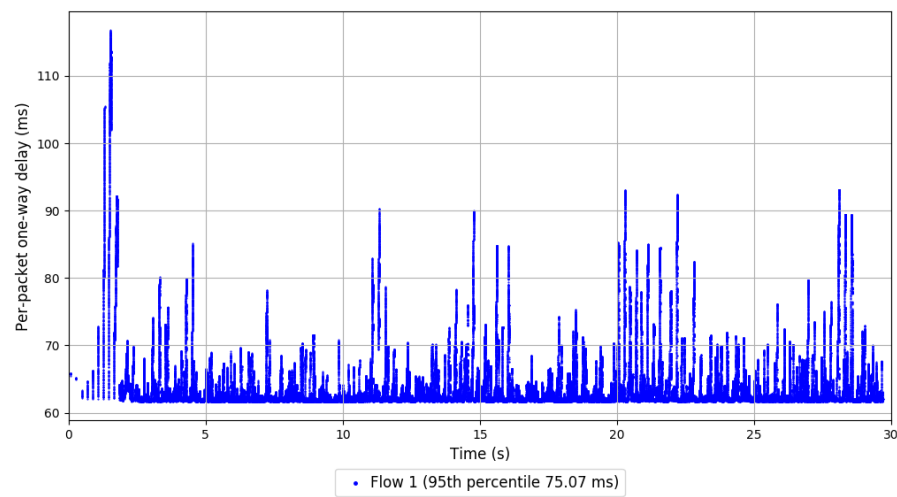
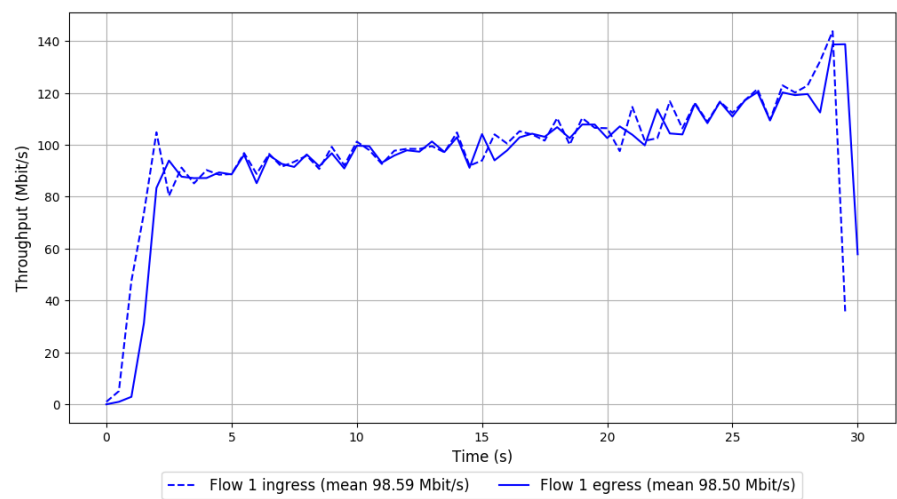


Run 5: Statistics of Indigo

Start at: 2018-08-01 01:41:45  
End at: 2018-08-01 01:42:15  
Local clock offset: 2.881 ms  
Remote clock offset: -24.526 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 98.50 Mbit/s  
95th percentile per-packet one-way delay: 75.068 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 98.50 Mbit/s  
95th percentile per-packet one-way delay: 75.068 ms  
Loss rate: 0.10%

Run 5: Report of Indigo — Data Link

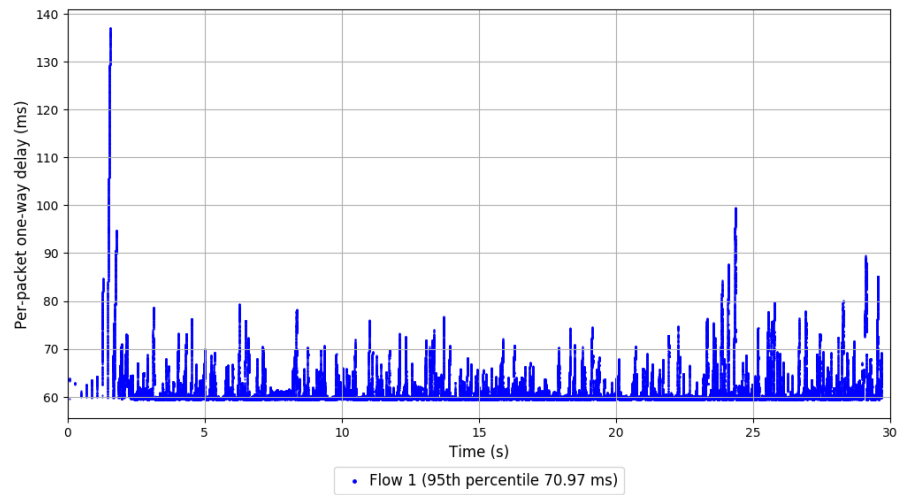
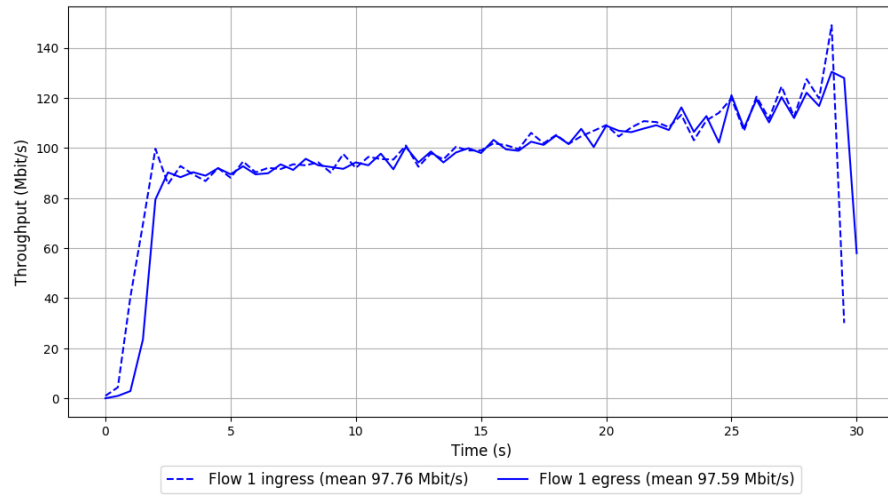


Run 6: Statistics of Indigo

Start at: 2018-08-01 02:09:29  
End at: 2018-08-01 02:09:59  
Local clock offset: -0.269 ms  
Remote clock offset: -29.291 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.59 Mbit/s  
95th percentile per-packet one-way delay: 70.969 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 97.59 Mbit/s  
95th percentile per-packet one-way delay: 70.969 ms  
Loss rate: 0.17%

## Run 6: Report of Indigo — Data Link



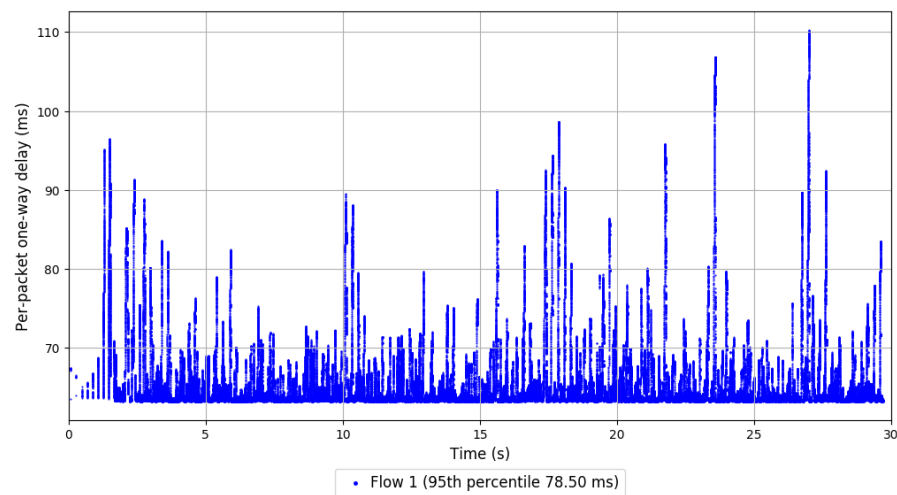
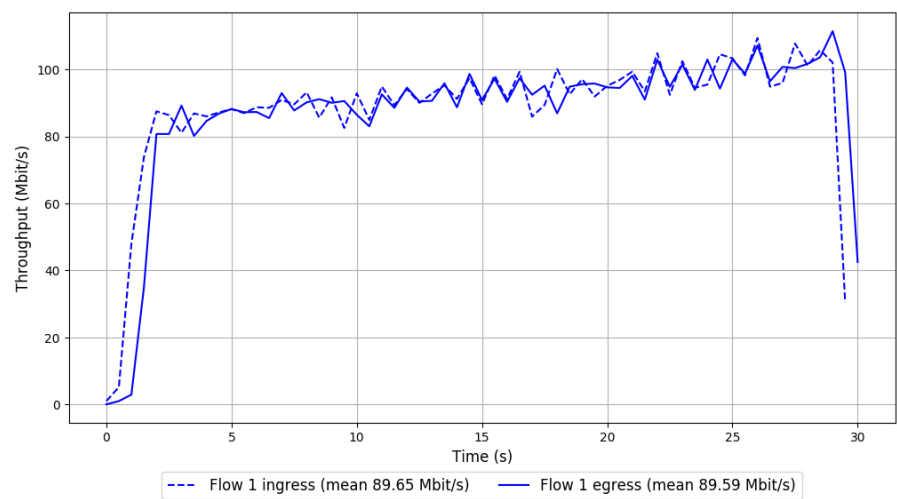
Run 7: Statistics of Indigo

Start at: 2018-08-01 02:31:38  
End at: 2018-08-01 02:32:08  
Local clock offset: -1.39 ms  
Remote clock offset: -27.013 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.59 Mbit/s  
95th percentile per-packet one-way delay: 78.503 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 89.59 Mbit/s  
95th percentile per-packet one-way delay: 78.503 ms  
Loss rate: 0.07%



Run 7: Report of Indigo — Data Link

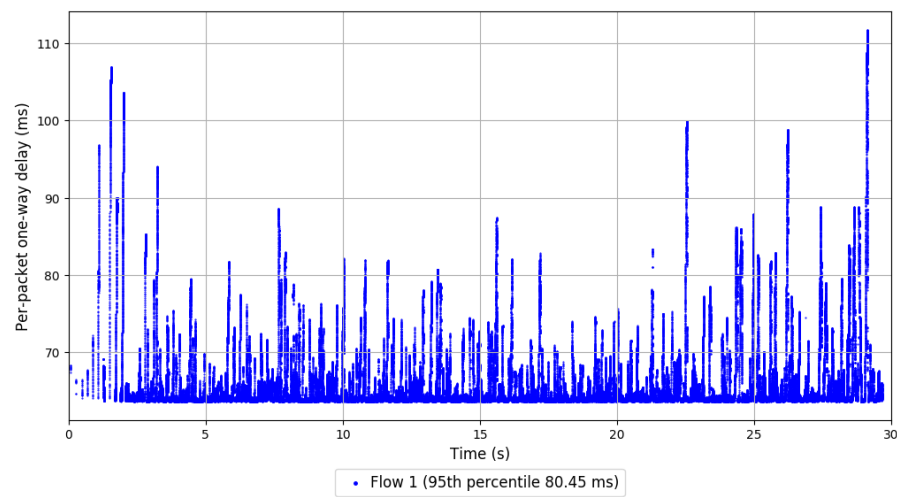
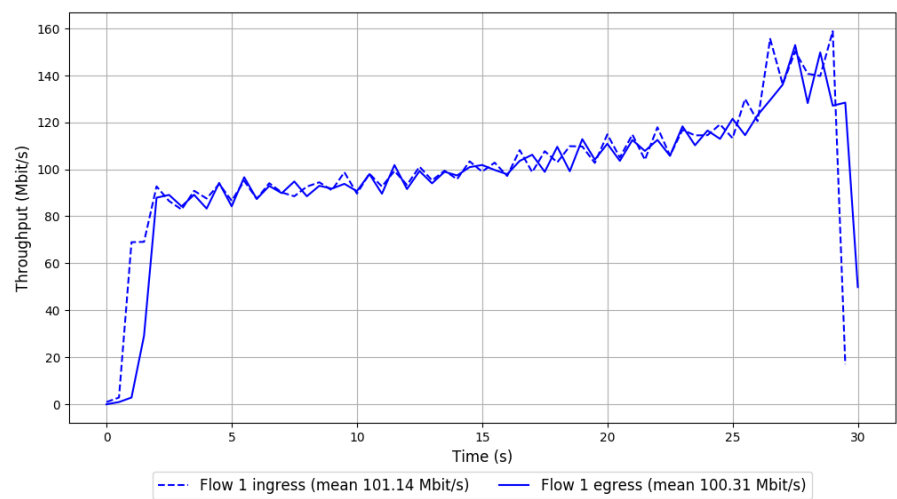


Run 8: Statistics of Indigo

Start at: 2018-08-01 02:59:48  
End at: 2018-08-01 03:00:18  
Local clock offset: -0.913 ms  
Remote clock offset: -26.427 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 100.31 Mbit/s  
95th percentile per-packet one-way delay: 80.455 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 100.31 Mbit/s  
95th percentile per-packet one-way delay: 80.455 ms  
Loss rate: 0.83%

Run 8: Report of Indigo — Data Link

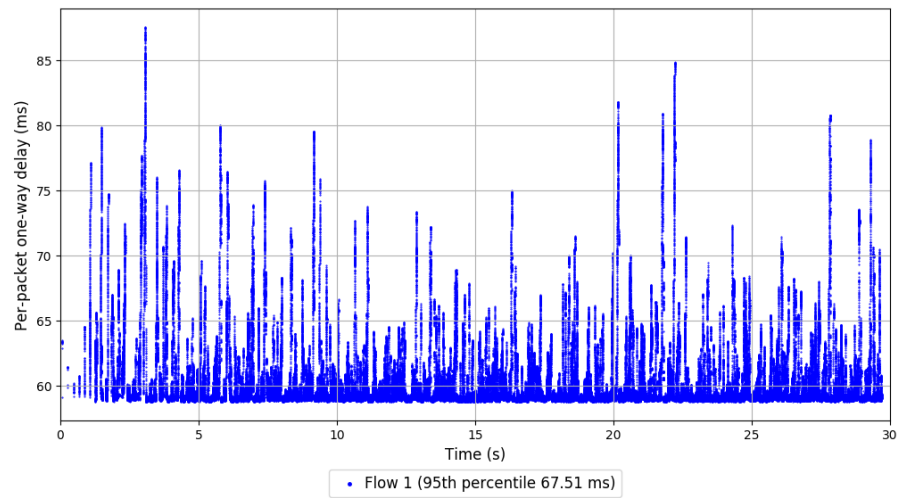
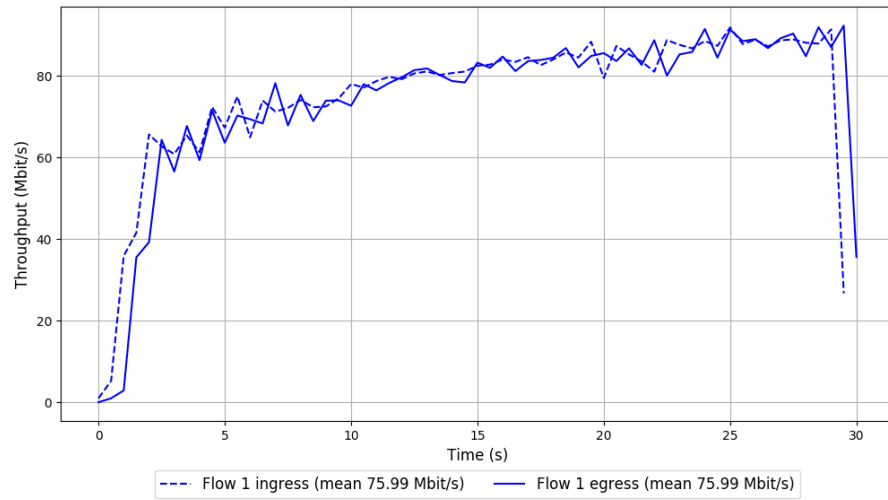


Run 9: Statistics of Indigo

Start at: 2018-08-01 03:21:53  
End at: 2018-08-01 03:22:23  
Local clock offset: 0.145 ms  
Remote clock offset: -30.433 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.99 Mbit/s  
95th percentile per-packet one-way delay: 67.514 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 75.99 Mbit/s  
95th percentile per-packet one-way delay: 67.514 ms  
Loss rate: 0.00%

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

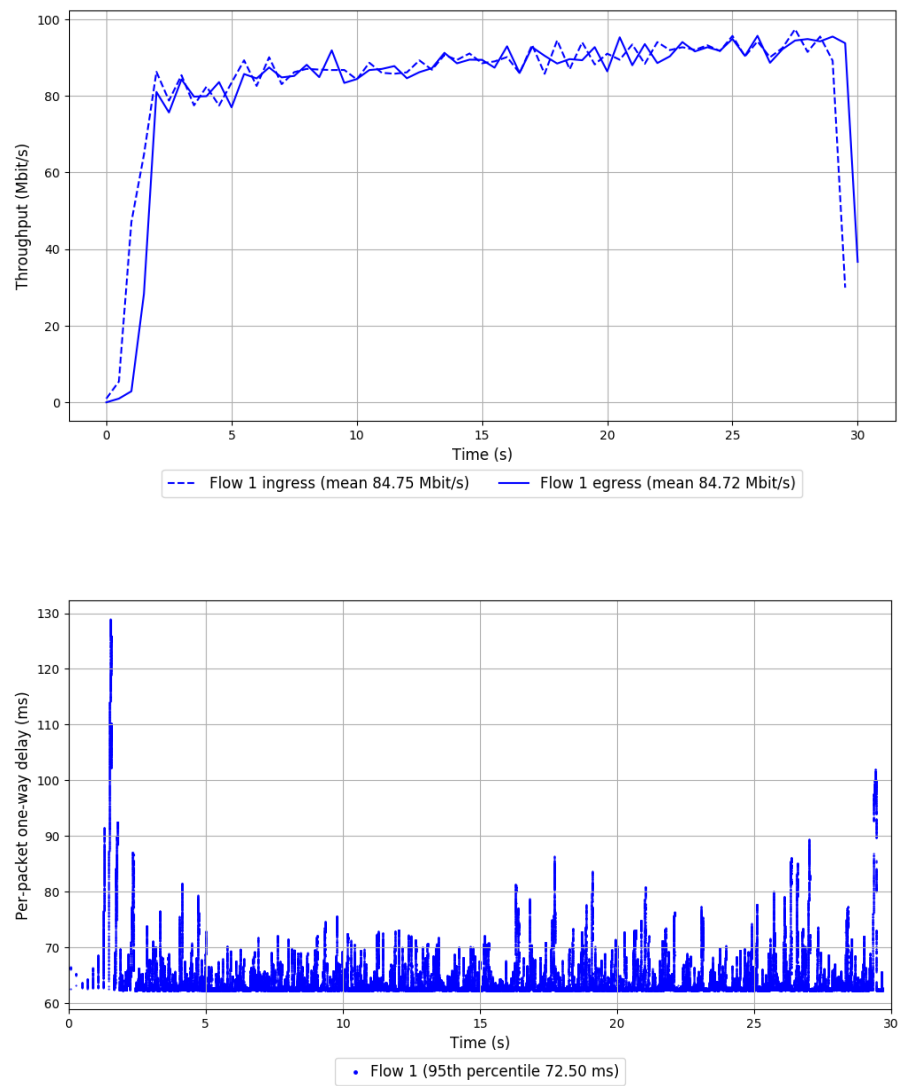


Run 10: Statistics of Indigo

Start at: 2018-08-01 03:44:06  
End at: 2018-08-01 03:44:36  
Local clock offset: 0.345 ms  
Remote clock offset: -27.984 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.72 Mbit/s  
95th percentile per-packet one-way delay: 72.504 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 84.72 Mbit/s  
95th percentile per-packet one-way delay: 72.504 ms  
Loss rate: 0.03%

Run 10: Report of Indigo — Data Link



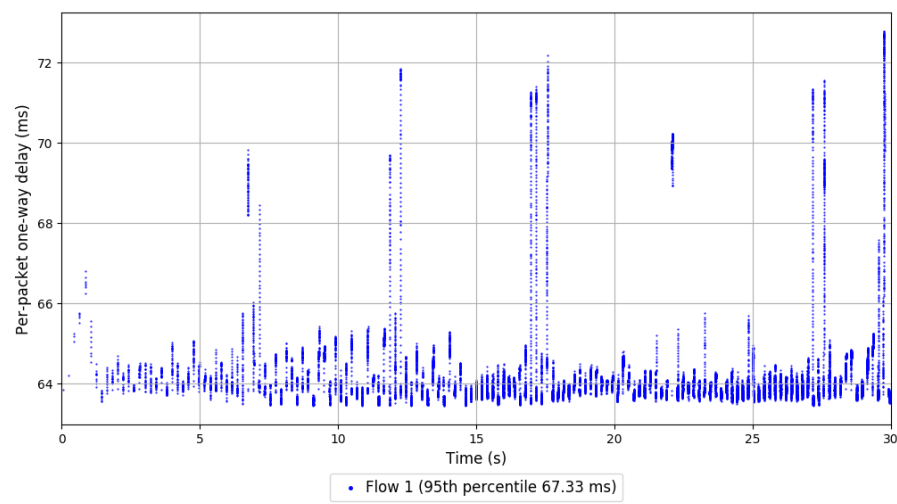
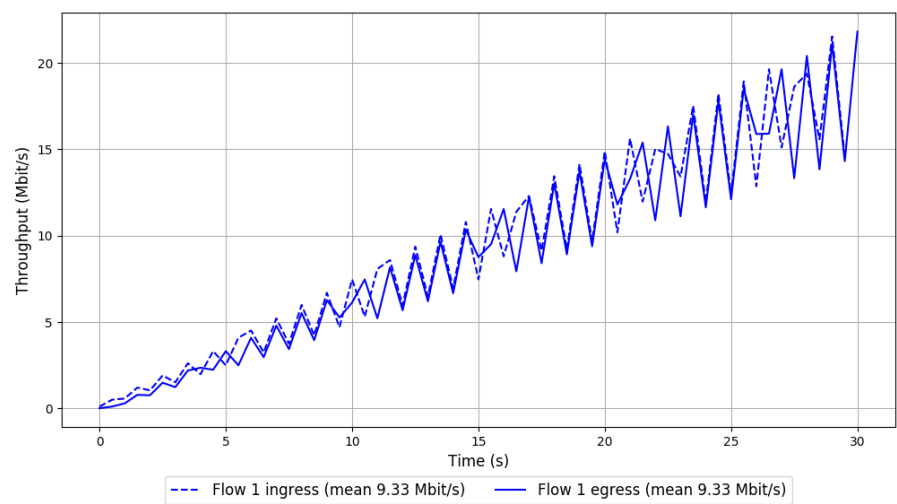
```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 00:15:28
End at: 2018-08-01 00:15:58
Local clock offset: 3.541 ms
Remote clock offset: -27.094 ms

# Below is generated by plot.py at 2018-08-01 04:28:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 67.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 67.329 ms
Loss rate: 0.00%
```



Run 1: Report of LEDBAT — Data Link

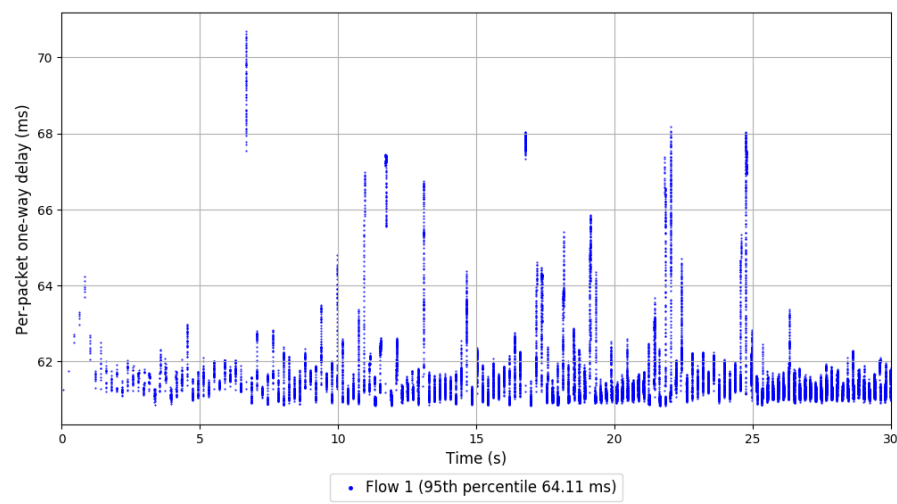
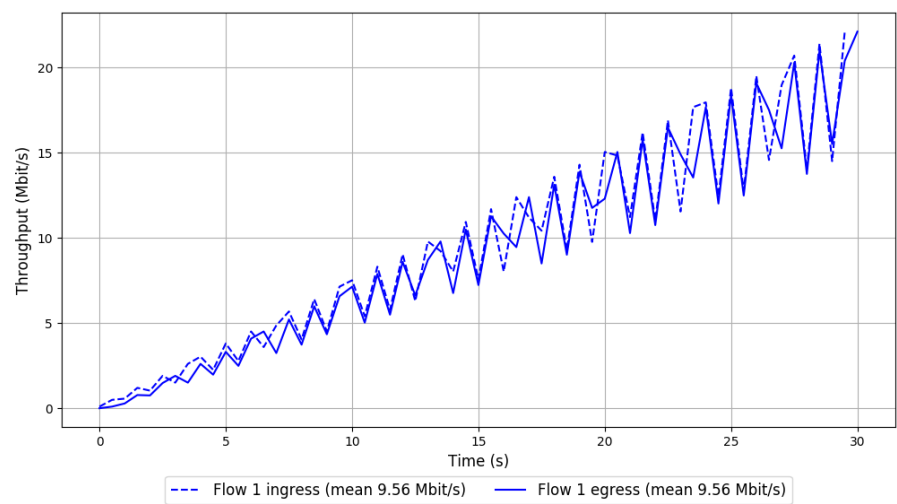


Run 2: Statistics of LEDBAT

Start at: 2018-08-01 00:37:27  
End at: 2018-08-01 00:37:57  
Local clock offset: 2.048 ms  
Remote clock offset: -27.658 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.56 Mbit/s  
95th percentile per-packet one-way delay: 64.113 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.56 Mbit/s  
95th percentile per-packet one-way delay: 64.113 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

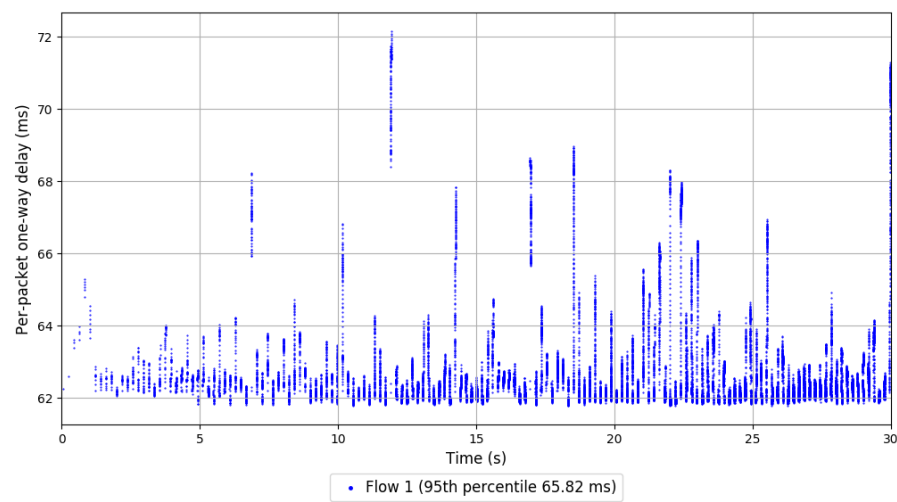
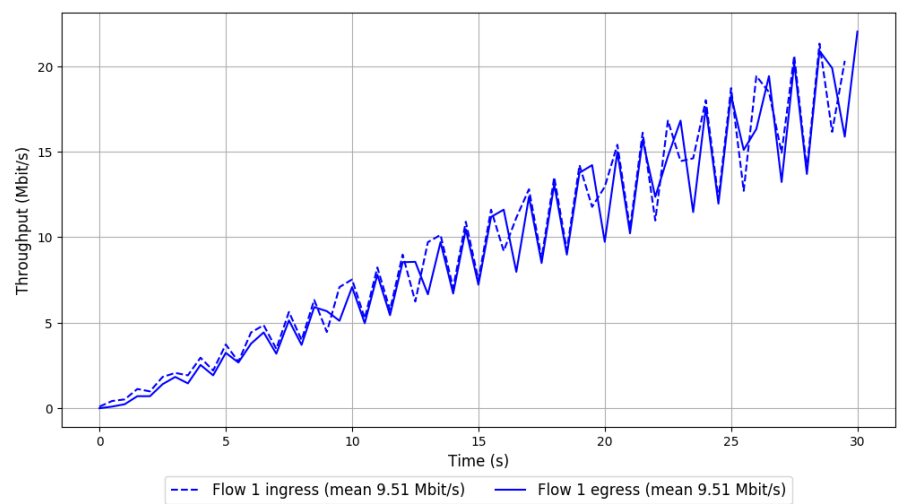


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 01:05:11  
End at: 2018-08-01 01:05:41  
Local clock offset: 0.56 ms  
Remote clock offset: -25.121 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.51 Mbit/s  
95th percentile per-packet one-way delay: 65.821 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.51 Mbit/s  
95th percentile per-packet one-way delay: 65.821 ms  
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

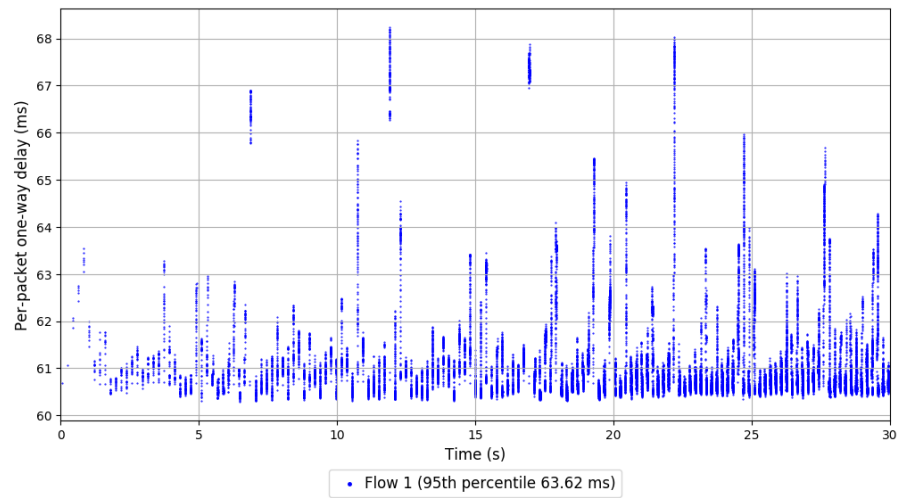
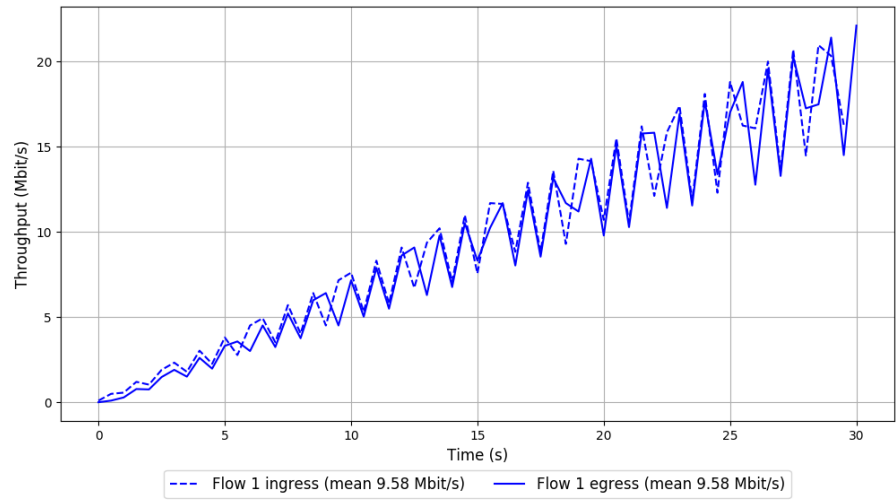


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 01:27:17  
End at: 2018-08-01 01:27:47  
Local clock offset: 1.267 ms  
Remote clock offset: -26.065 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.58 Mbit/s  
95th percentile per-packet one-way delay: 63.620 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.58 Mbit/s  
95th percentile per-packet one-way delay: 63.620 ms  
Loss rate: 0.00%

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



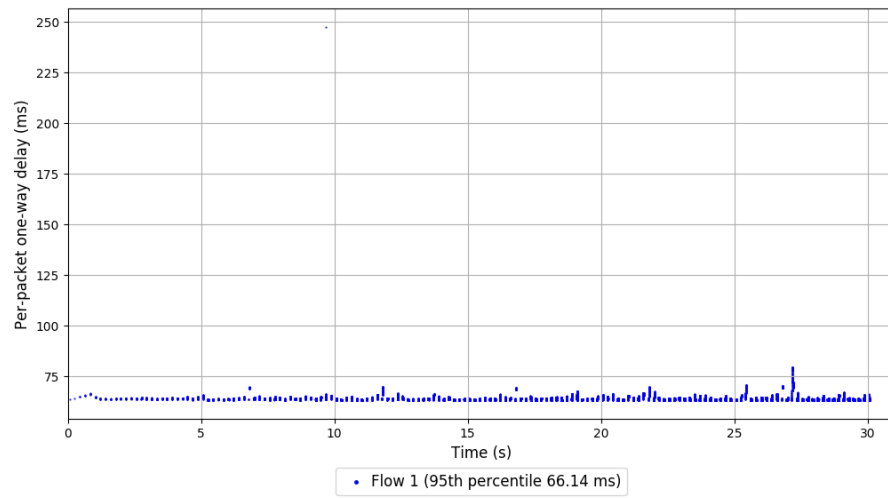
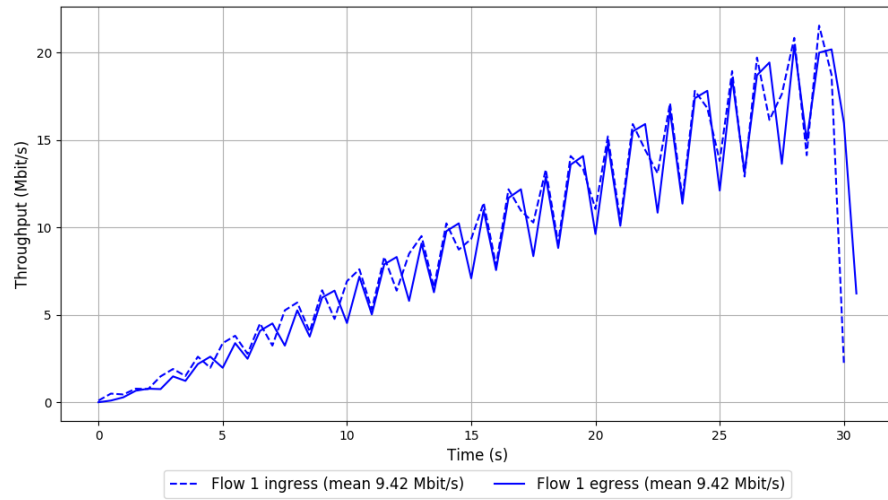
Run 5: Statistics of LEDBAT

Start at: 2018-08-01 01:54:55  
End at: 2018-08-01 01:55:25  
Local clock offset: 3.312 ms  
Remote clock offset: -22.412 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.42 Mbit/s  
95th percentile per-packet one-way delay: 66.143 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.42 Mbit/s  
95th percentile per-packet one-way delay: 66.143 ms  
Loss rate: 0.00%



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

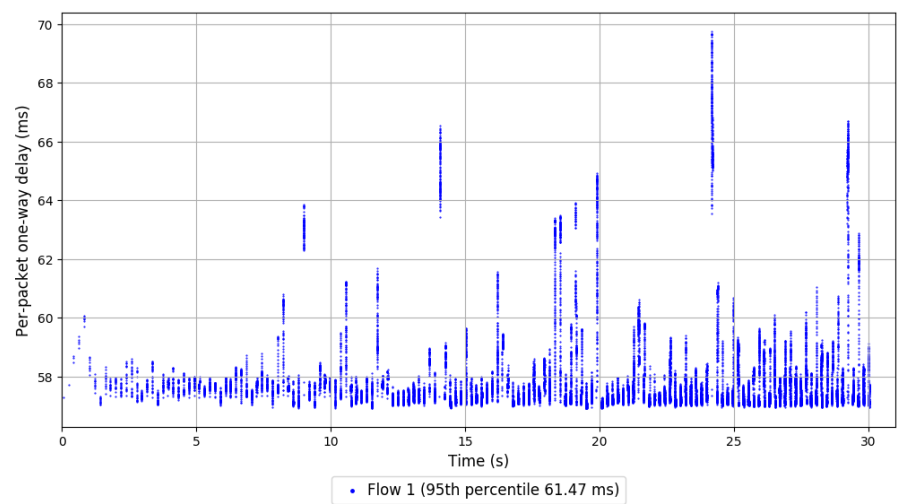
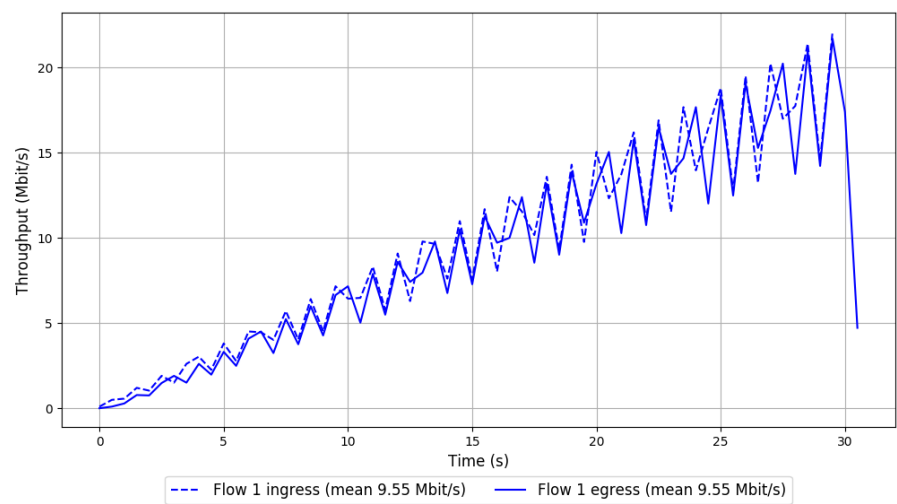


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 02:17:07  
End at: 2018-08-01 02:17:37  
Local clock offset: 1.843 ms  
Remote clock offset: -29.759 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.55 Mbit/s  
95th percentile per-packet one-way delay: 61.473 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.55 Mbit/s  
95th percentile per-packet one-way delay: 61.473 ms  
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

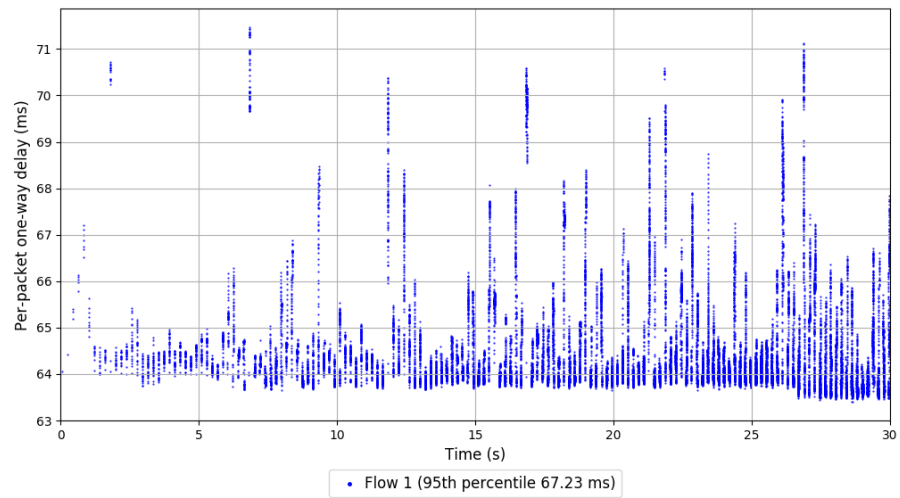
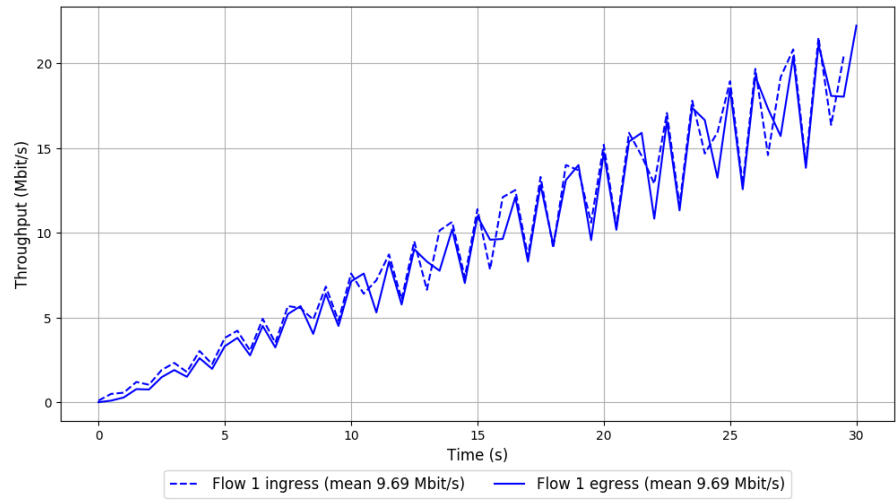


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 02:45:23  
End at: 2018-08-01 02:45:53  
Local clock offset: -0.89 ms  
Remote clock offset: -26.251 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.69 Mbit/s  
95th percentile per-packet one-way delay: 67.235 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.69 Mbit/s  
95th percentile per-packet one-way delay: 67.235 ms  
Loss rate: 0.00%

## Run 7: Report of LEDBAT — Data Link

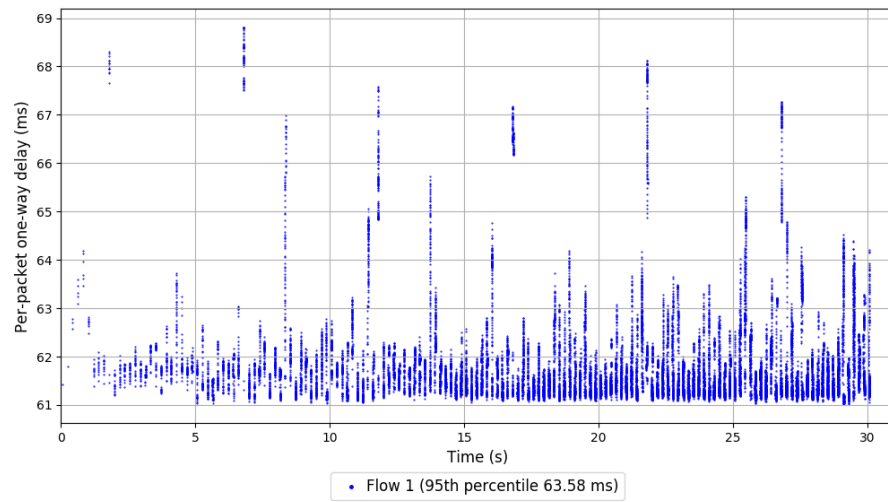
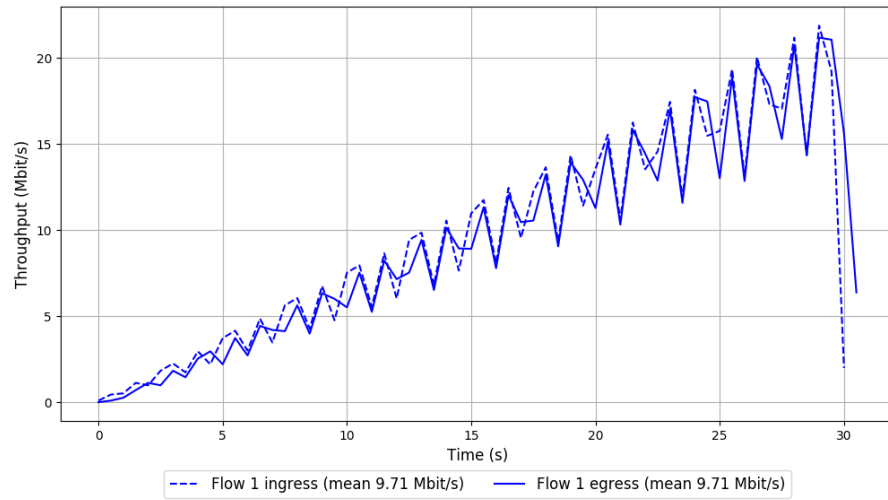


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 03:07:26  
End at: 2018-08-01 03:07:56  
Local clock offset: 1.695 ms  
Remote clock offset: -26.243 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.71 Mbit/s  
95th percentile per-packet one-way delay: 63.577 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.71 Mbit/s  
95th percentile per-packet one-way delay: 63.577 ms  
Loss rate: 0.00%

# Run 8: Report of LEDBAT — Data Link



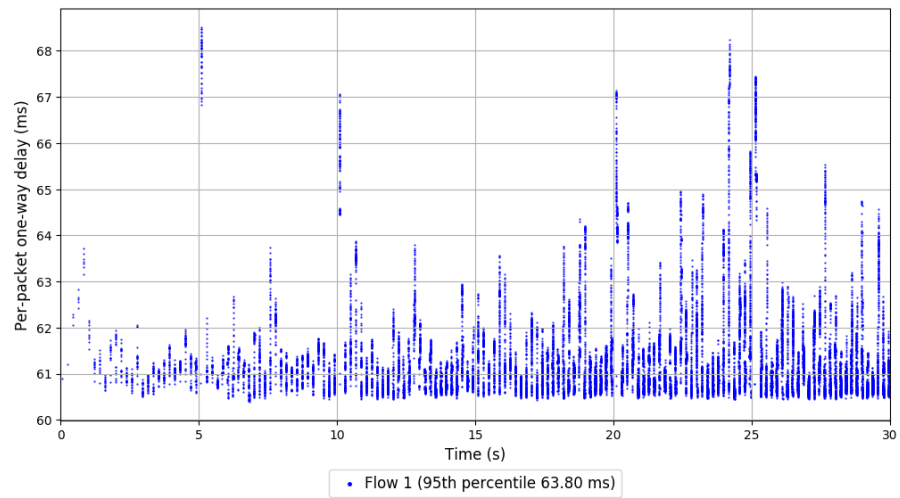
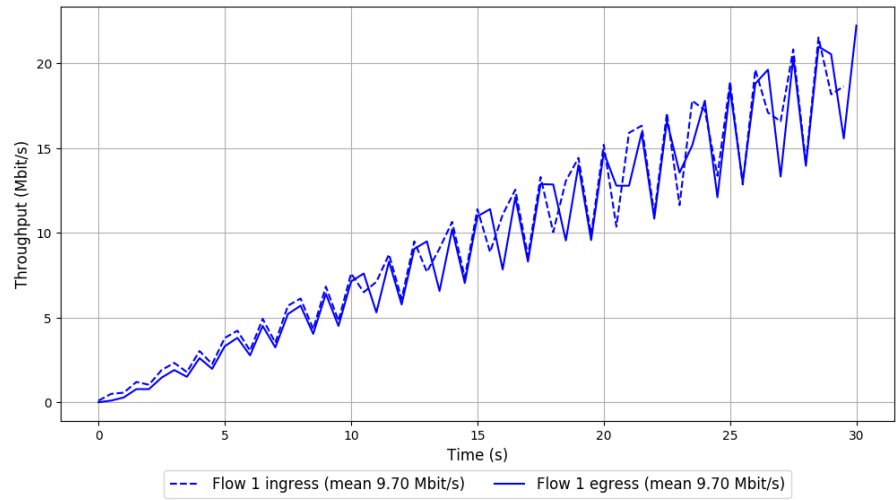
Run 9: Statistics of LEDBAT

Start at: 2018-08-01 03:29:31  
End at: 2018-08-01 03:30:01  
Local clock offset: -3.006 ms  
Remote clock offset: -32.673 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.70 Mbit/s  
95th percentile per-packet one-way delay: 63.802 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.70 Mbit/s  
95th percentile per-packet one-way delay: 63.802 ms  
Loss rate: 0.00%



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

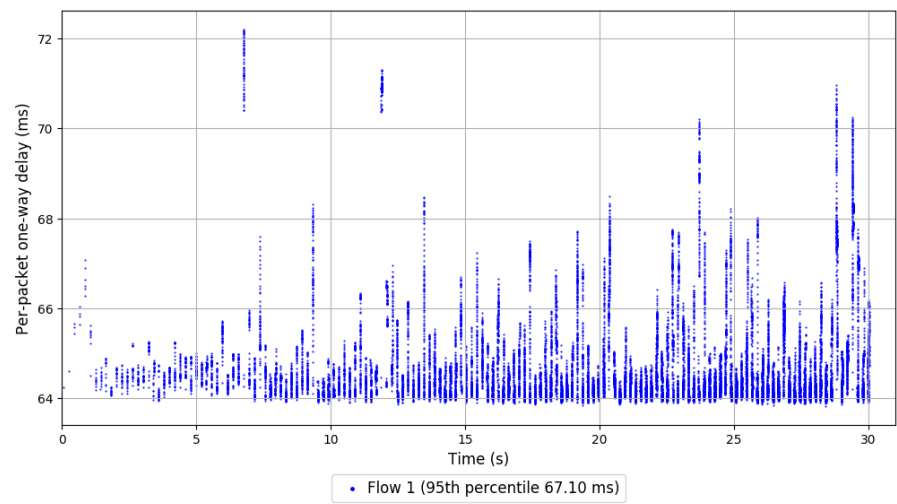
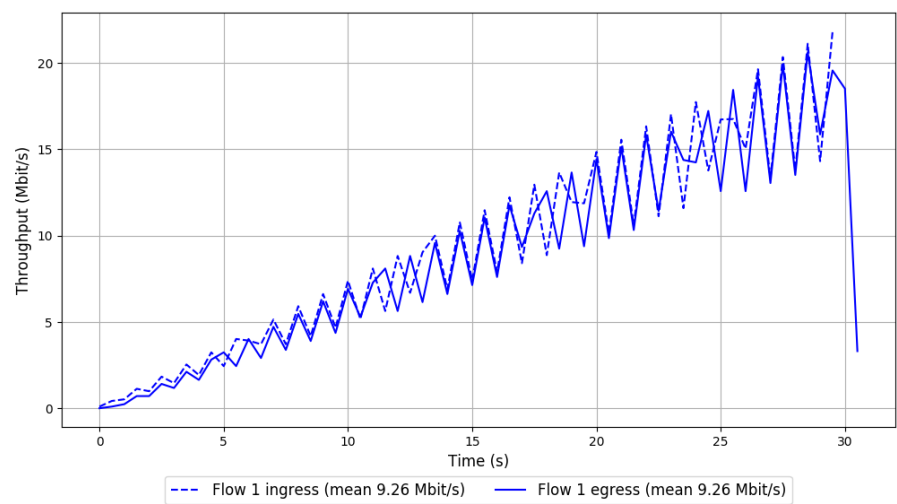


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 03:51:42  
End at: 2018-08-01 03:52:12  
Local clock offset: 1.603 ms  
Remote clock offset: -27.68 ms

# Below is generated by plot.py at 2018-08-01 04:28:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.26 Mbit/s  
95th percentile per-packet one-way delay: 67.097 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.26 Mbit/s  
95th percentile per-packet one-way delay: 67.097 ms  
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

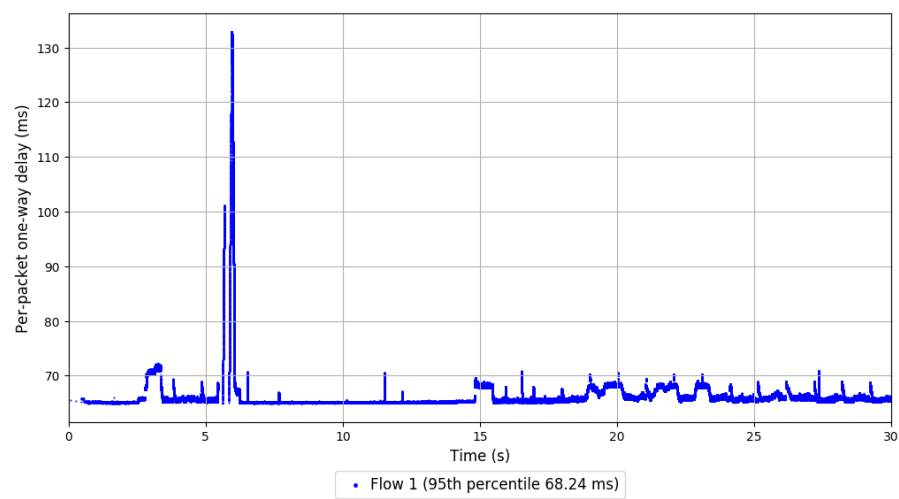
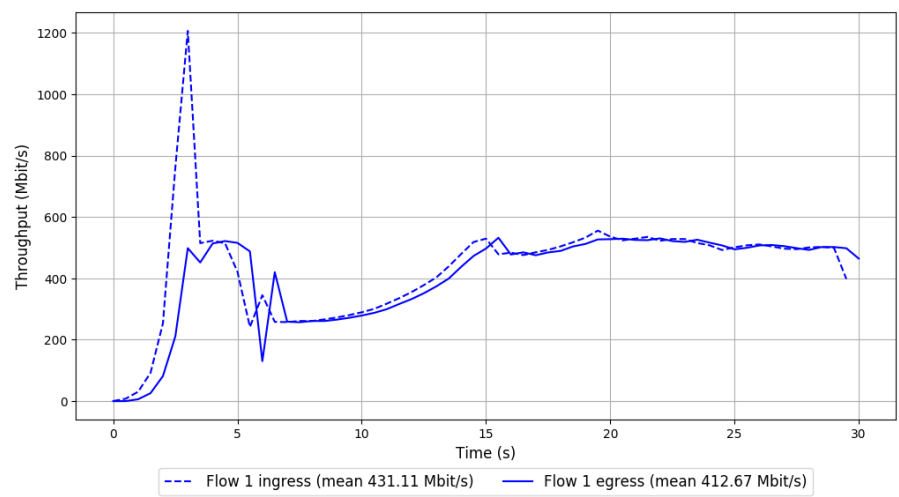


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 00:10:29
End at: 2018-08-01 00:10:59
Local clock offset: 2.714 ms
Remote clock offset: -23.978 ms

# Below is generated by plot.py at 2018-08-01 04:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.67 Mbit/s
95th percentile per-packet one-way delay: 68.244 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 412.67 Mbit/s
95th percentile per-packet one-way delay: 68.244 ms
Loss rate: 4.28%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 00:32:25

End at: 2018-08-01 00:32:55

Local clock offset: 1.442 ms

Remote clock offset: -23.027 ms

# Below is generated by plot.py at 2018-08-01 04:31:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 467.18 Mbit/s

95th percentile per-packet one-way delay: 69.483 ms

Loss rate: 3.47%

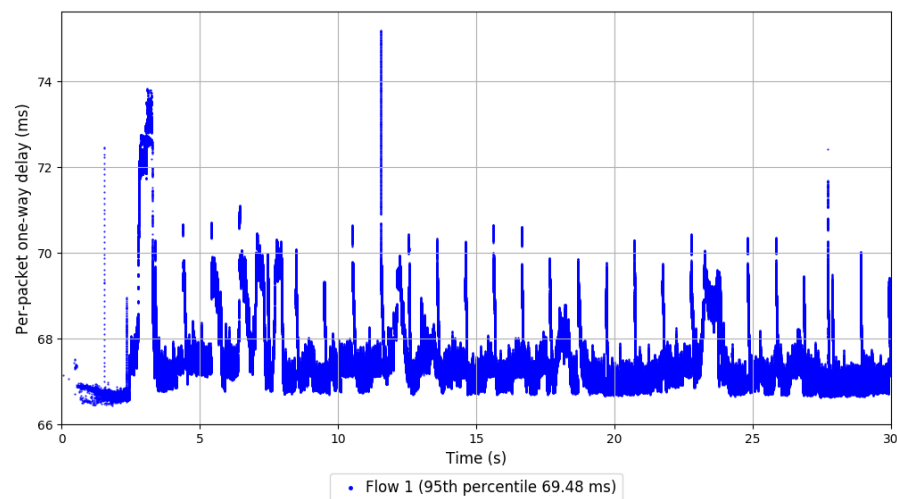
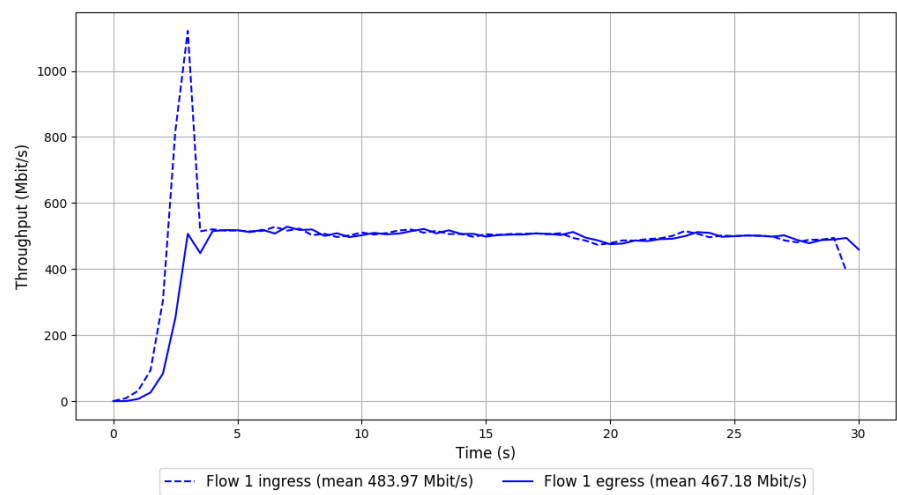
-- Flow 1:

Average throughput: 467.18 Mbit/s

95th percentile per-packet one-way delay: 69.483 ms

Loss rate: 3.47%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

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

End at: 2018-08-01 01:00:39

Local clock offset: 1.275 ms

Remote clock offset: -30.061 ms

# Below is generated by plot.py at 2018-08-01 04:31:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 462.24 Mbit/s

95th percentile per-packet one-way delay: 59.687 ms

Loss rate: 3.52%

-- Flow 1:

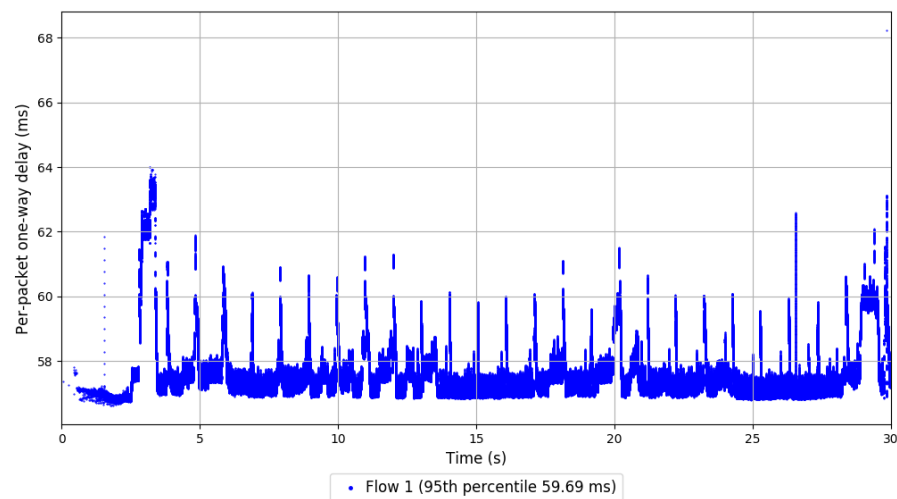
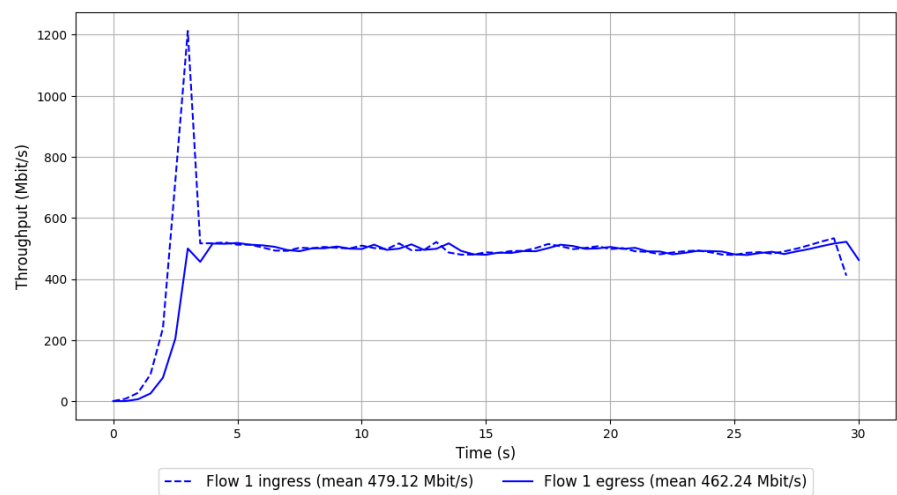
Average throughput: 462.24 Mbit/s

95th percentile per-packet one-way delay: 59.687 ms

Loss rate: 3.52%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 01:22:16

End at: 2018-08-01 01:22:46

Local clock offset: -2.145 ms

Remote clock offset: -28.165 ms

# Below is generated by plot.py at 2018-08-01 04:31:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 471.76 Mbit/s

95th percentile per-packet one-way delay: 63.778 ms

Loss rate: 3.89%

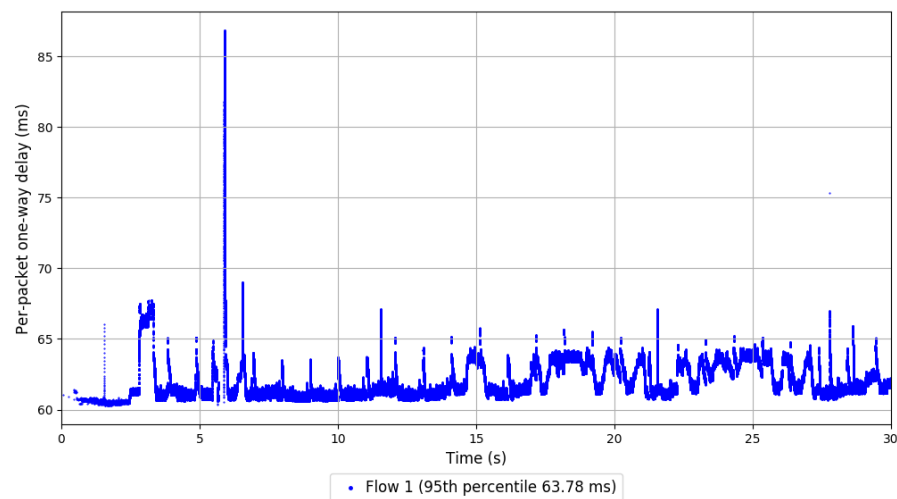
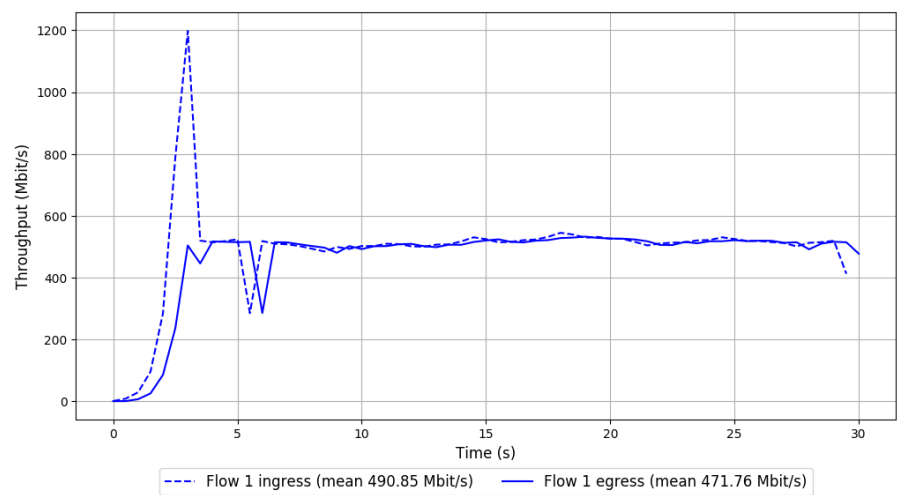
-- Flow 1:

Average throughput: 471.76 Mbit/s

95th percentile per-packet one-way delay: 63.778 ms

Loss rate: 3.89%

Run 4: Report of PCC-Allegro — Data Link

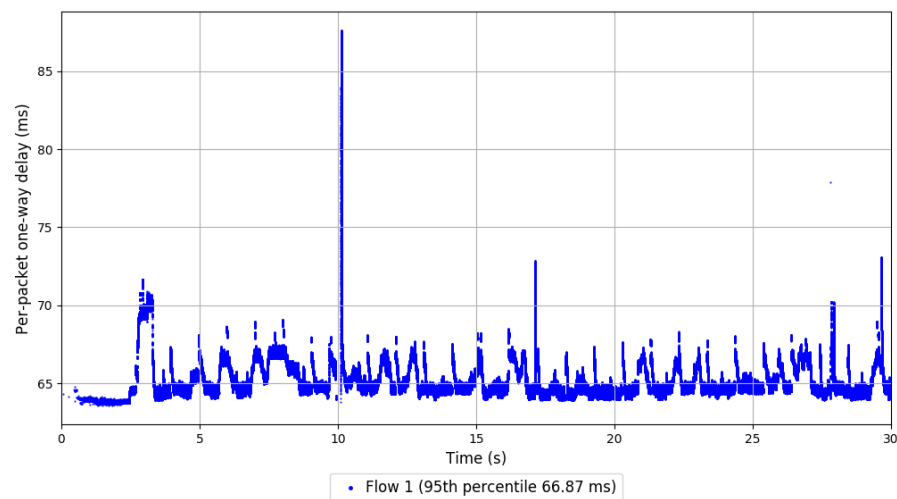
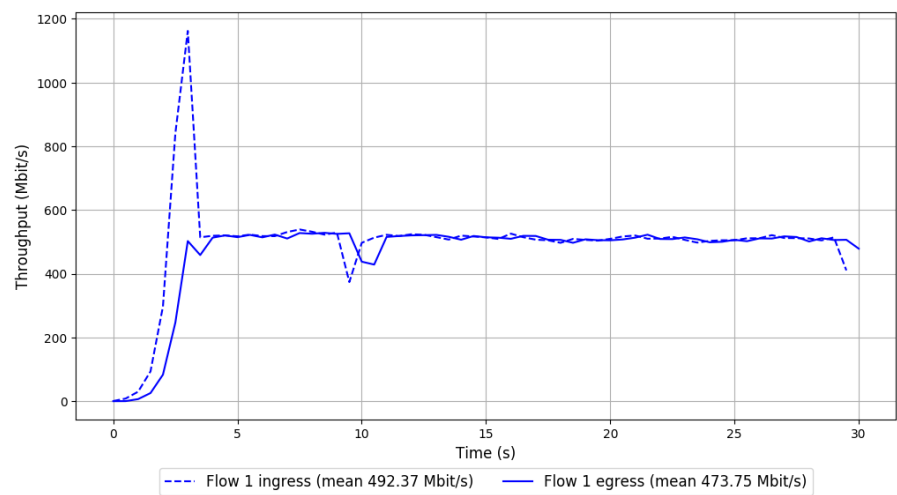


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 01:44:22  
End at: 2018-08-01 01:44:52  
Local clock offset: 1.38 ms  
Remote clock offset: -26.854 ms

# Below is generated by plot.py at 2018-08-01 04:31:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 473.75 Mbit/s  
95th percentile per-packet one-way delay: 66.867 ms  
Loss rate: 3.78%  
-- Flow 1:  
Average throughput: 473.75 Mbit/s  
95th percentile per-packet one-way delay: 66.867 ms  
Loss rate: 3.78%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 02:12:06

End at: 2018-08-01 02:12:36

Local clock offset: 0.014 ms

Remote clock offset: -28.913 ms

# Below is generated by plot.py at 2018-08-01 04:34:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 469.17 Mbit/s

95th percentile per-packet one-way delay: 62.649 ms

Loss rate: 3.81%

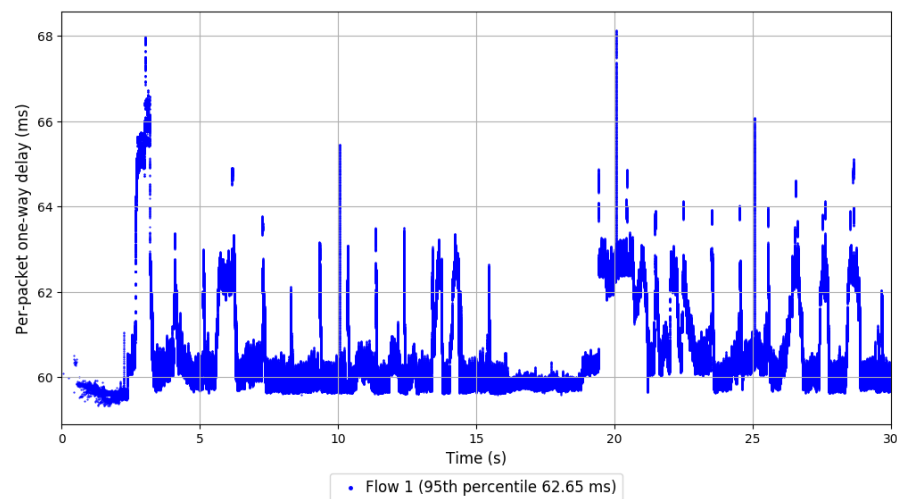
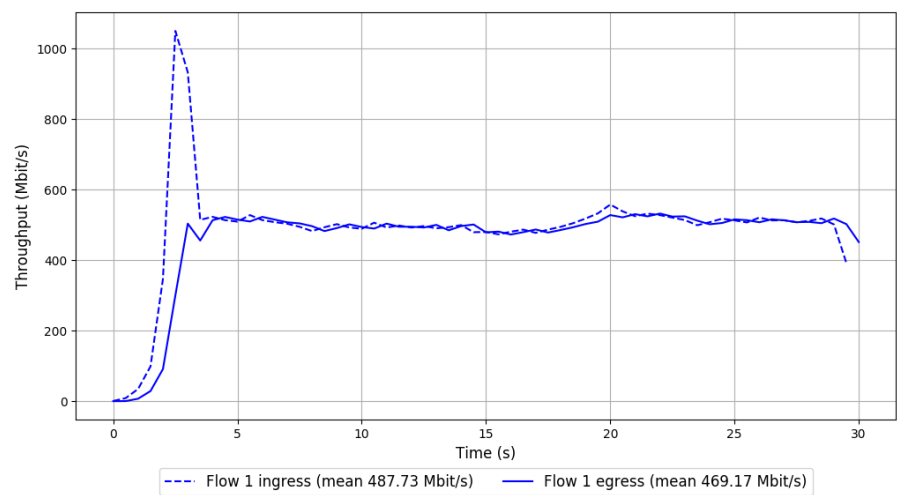
-- Flow 1:

Average throughput: 469.17 Mbit/s

95th percentile per-packet one-way delay: 62.649 ms

Loss rate: 3.81%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 02:34:14

End at: 2018-08-01 02:34:44

Local clock offset: -0.441 ms

Remote clock offset: -29.298 ms

# Below is generated by plot.py at 2018-08-01 04:34:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 423.54 Mbit/s

95th percentile per-packet one-way delay: 63.272 ms

Loss rate: 4.02%

-- Flow 1:

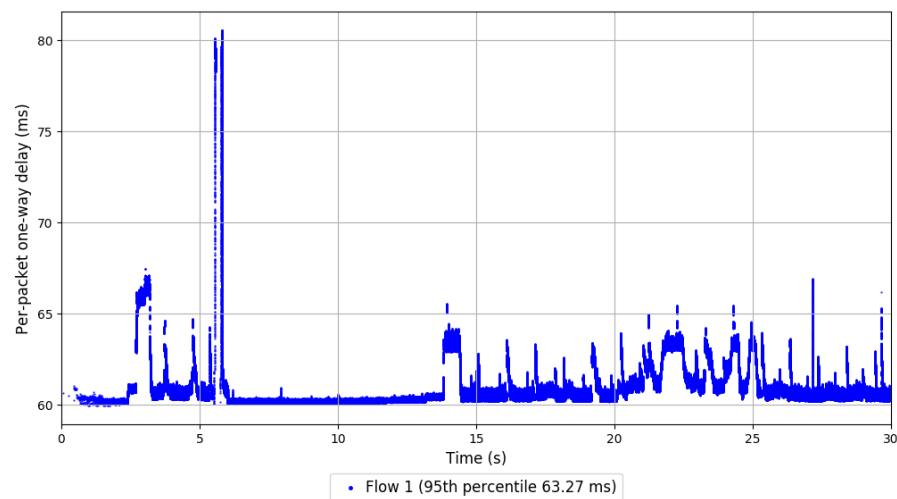
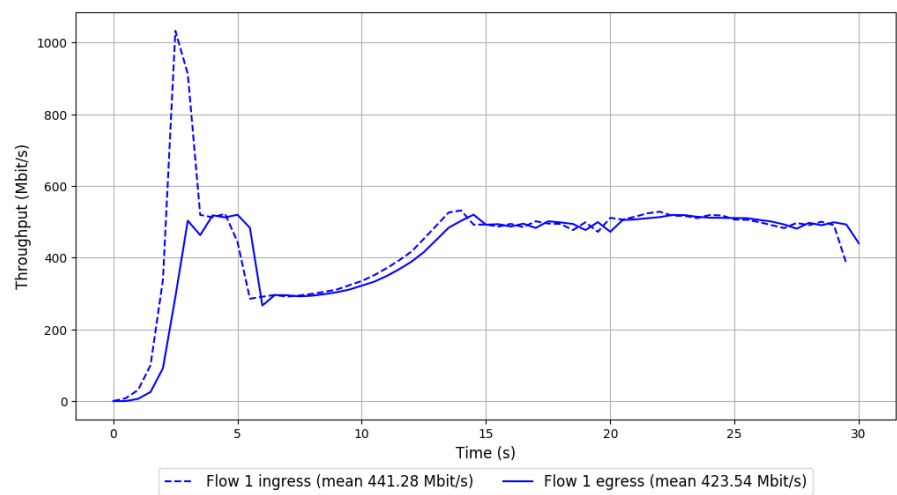
Average throughput: 423.54 Mbit/s

95th percentile per-packet one-way delay: 63.272 ms

Loss rate: 4.02%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 03:02:24

End at: 2018-08-01 03:02:54

Local clock offset: -1.707 ms

Remote clock offset: -23.676 ms

# Below is generated by plot.py at 2018-08-01 04:34:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 468.47 Mbit/s

95th percentile per-packet one-way delay: 70.529 ms

Loss rate: 3.64%

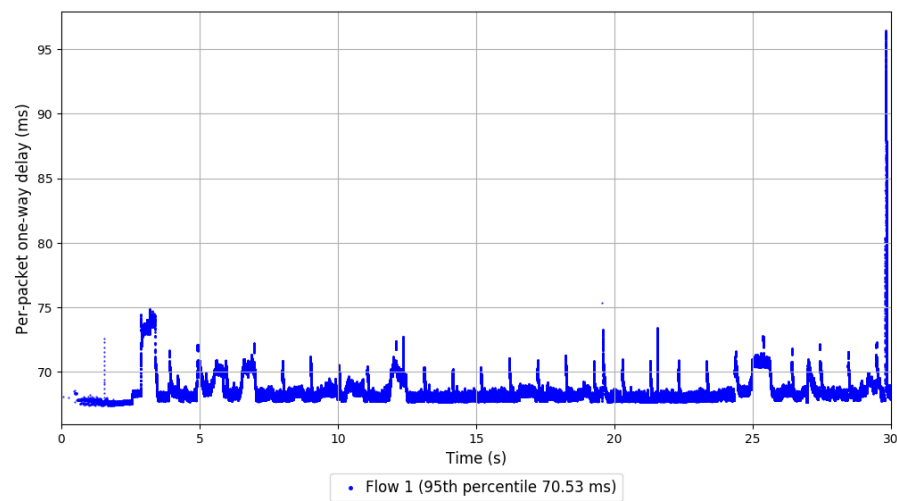
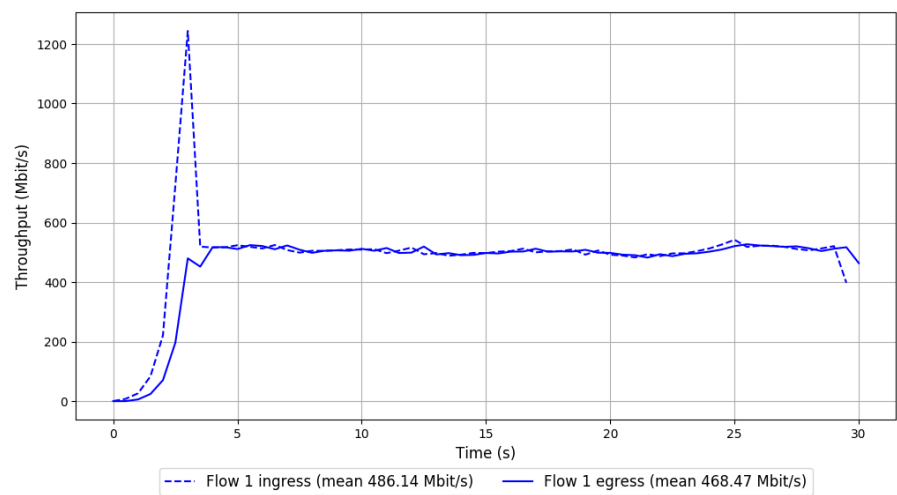
-- Flow 1:

Average throughput: 468.47 Mbit/s

95th percentile per-packet one-way delay: 70.529 ms

Loss rate: 3.64%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 03:24:28

End at: 2018-08-01 03:24:58

Local clock offset: 1.435 ms

Remote clock offset: -30.304 ms

# Below is generated by plot.py at 2018-08-01 04:36:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 459.20 Mbit/s

95th percentile per-packet one-way delay: 63.614 ms

Loss rate: 3.71%

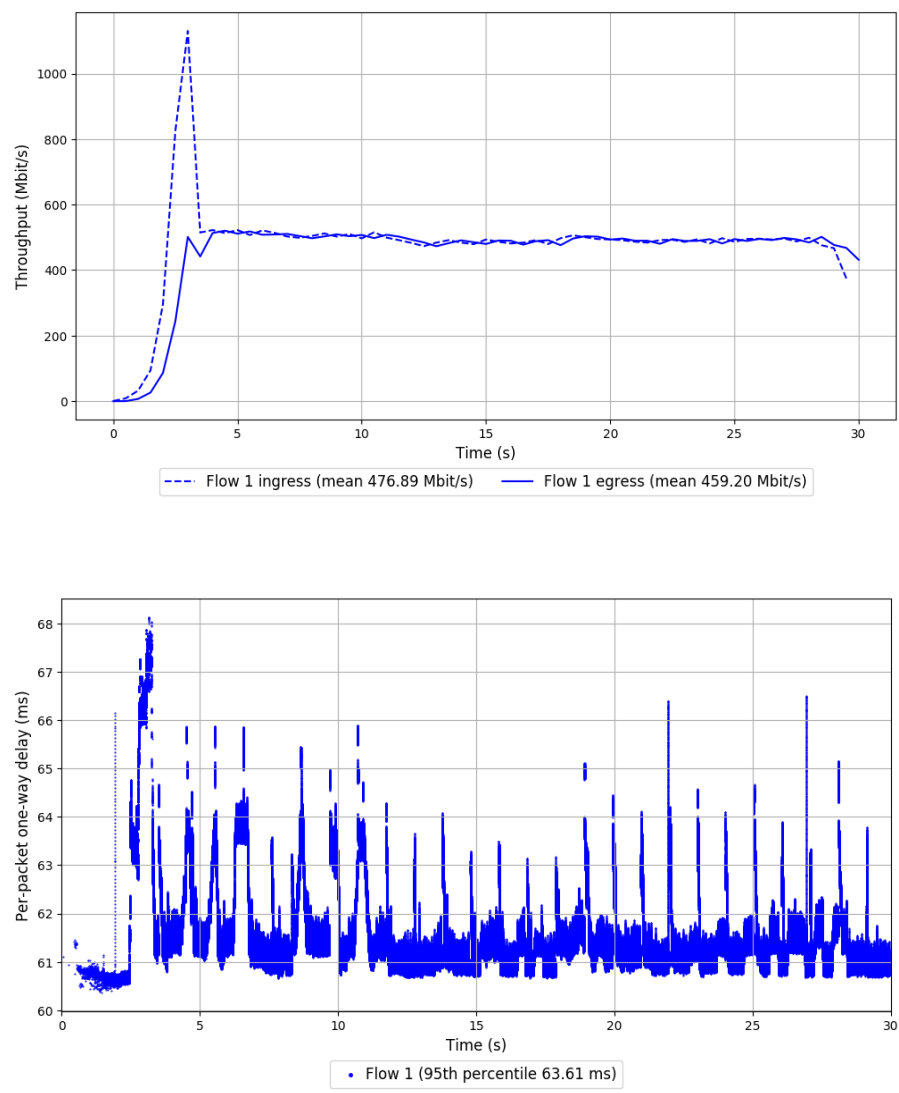
-- Flow 1:

Average throughput: 459.20 Mbit/s

95th percentile per-packet one-way delay: 63.614 ms

Loss rate: 3.71%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 03:46:41

End at: 2018-08-01 03:47:11

Local clock offset: 2.03 ms

Remote clock offset: -27.568 ms

# Below is generated by plot.py at 2018-08-01 04:36:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 430.61 Mbit/s

95th percentile per-packet one-way delay: 66.607 ms

Loss rate: 4.06%

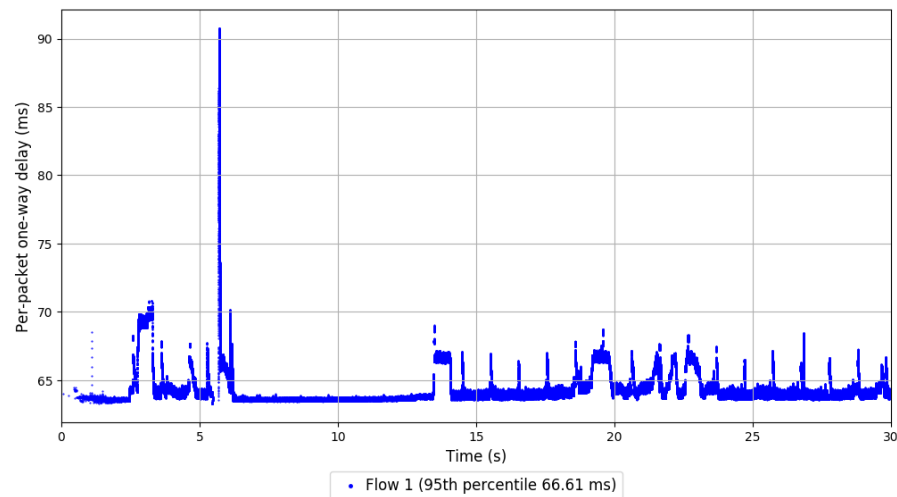
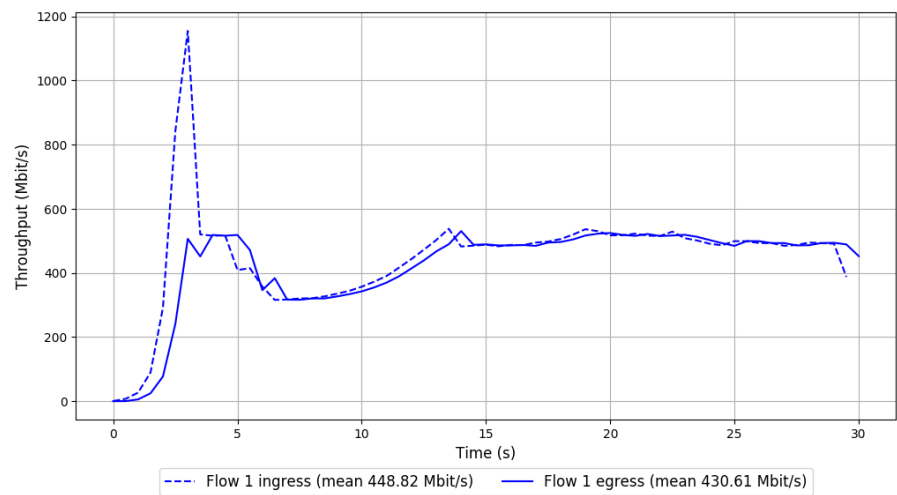
-- Flow 1:

Average throughput: 430.61 Mbit/s

95th percentile per-packet one-way delay: 66.607 ms

Loss rate: 4.06%

Run 10: Report of PCC-Allegro — Data Link



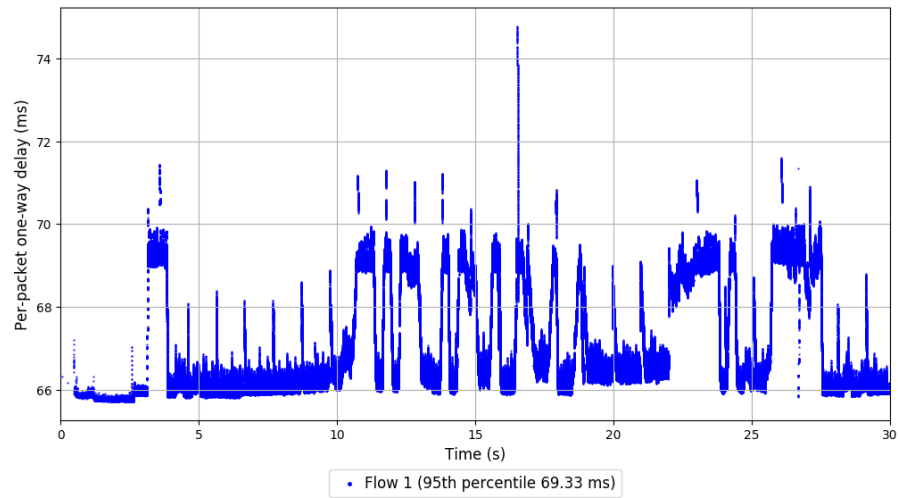
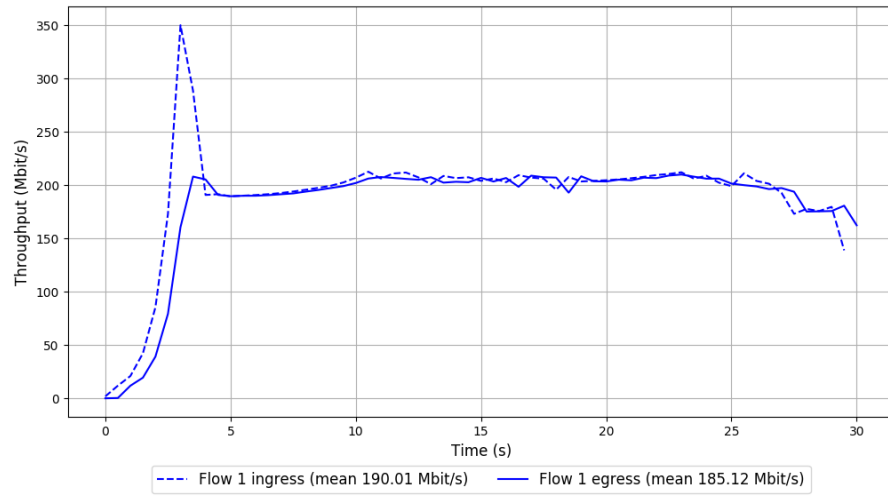
```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 00:20:33
End at: 2018-08-01 00:21:03
Local clock offset: 3.127 ms
Remote clock offset: -25.634 ms

# Below is generated by plot.py at 2018-08-01 04:36:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.12 Mbit/s
95th percentile per-packet one-way delay: 69.325 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 185.12 Mbit/s
95th percentile per-packet one-way delay: 69.325 ms
Loss rate: 2.57%
```



# Run 1: Report of PCC-Expr — Data Link

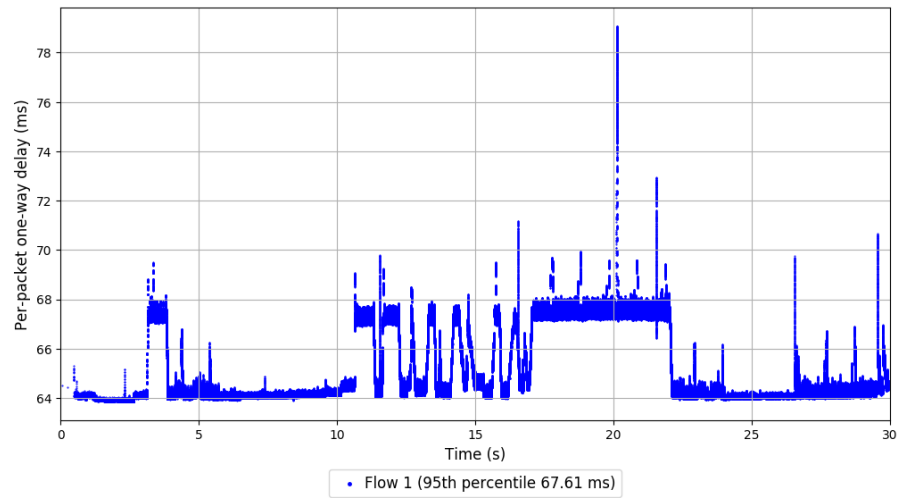
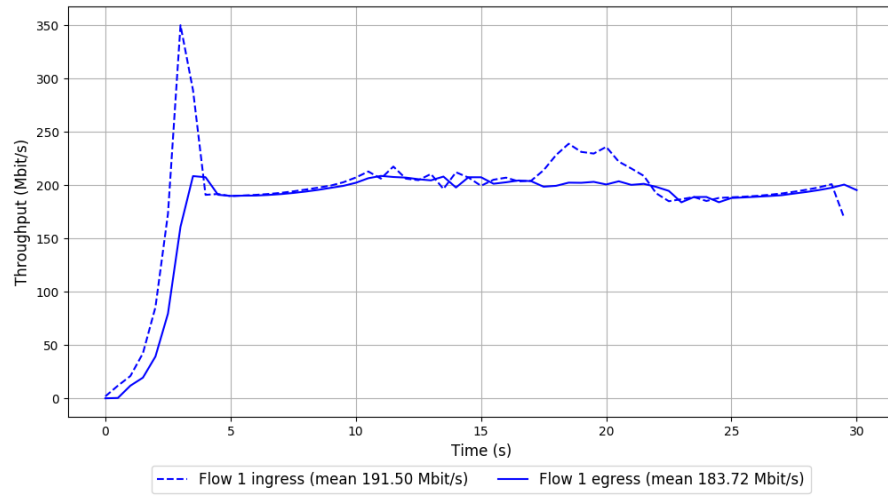


Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 00:42:33  
End at: 2018-08-01 00:43:03  
Local clock offset: 2.348 ms  
Remote clock offset: -26.822 ms

# Below is generated by plot.py at 2018-08-01 04:36:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 183.72 Mbit/s  
95th percentile per-packet one-way delay: 67.614 ms  
Loss rate: 4.06%  
-- Flow 1:  
Average throughput: 183.72 Mbit/s  
95th percentile per-packet one-way delay: 67.614 ms  
Loss rate: 4.06%

## Run 2: Report of PCC-Expr — Data Link

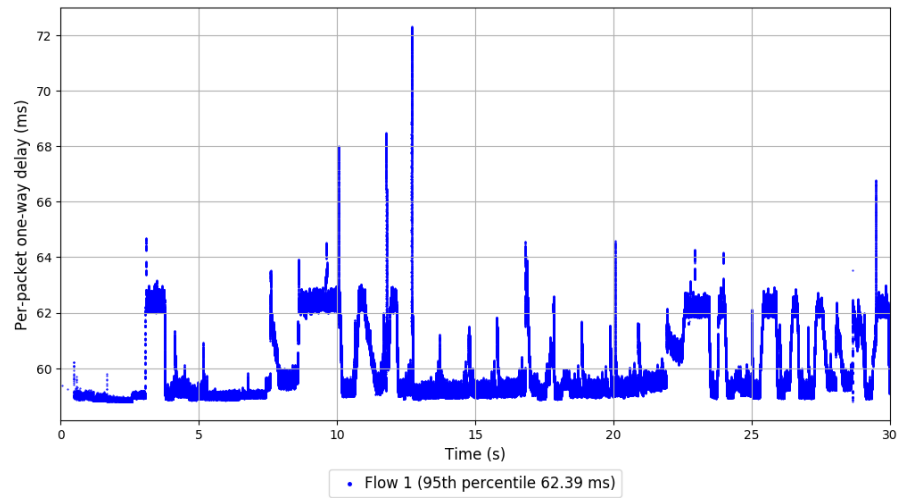
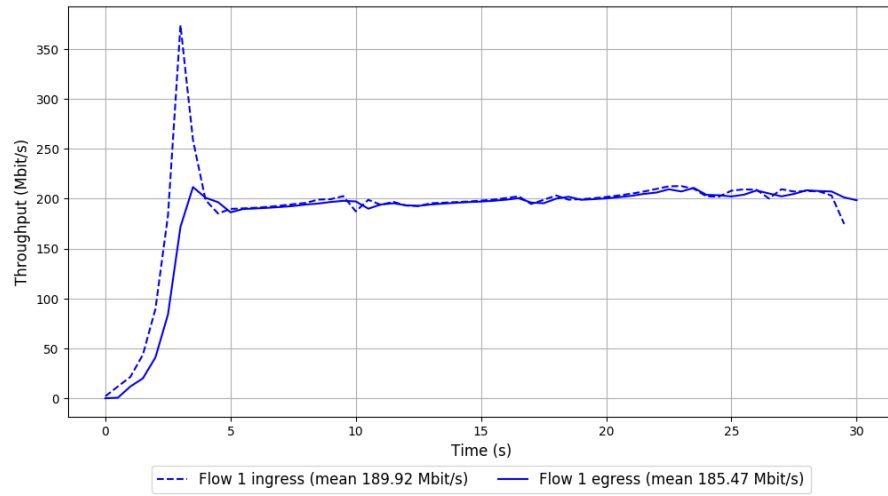


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 01:10:15  
End at: 2018-08-01 01:10:45  
Local clock offset: 0.718 ms  
Remote clock offset: -27.57 ms

# Below is generated by plot.py at 2018-08-01 04:36:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 185.47 Mbit/s  
95th percentile per-packet one-way delay: 62.392 ms  
Loss rate: 2.34%  
-- Flow 1:  
Average throughput: 185.47 Mbit/s  
95th percentile per-packet one-way delay: 62.392 ms  
Loss rate: 2.34%

### Run 3: Report of PCC-Expr — Data Link

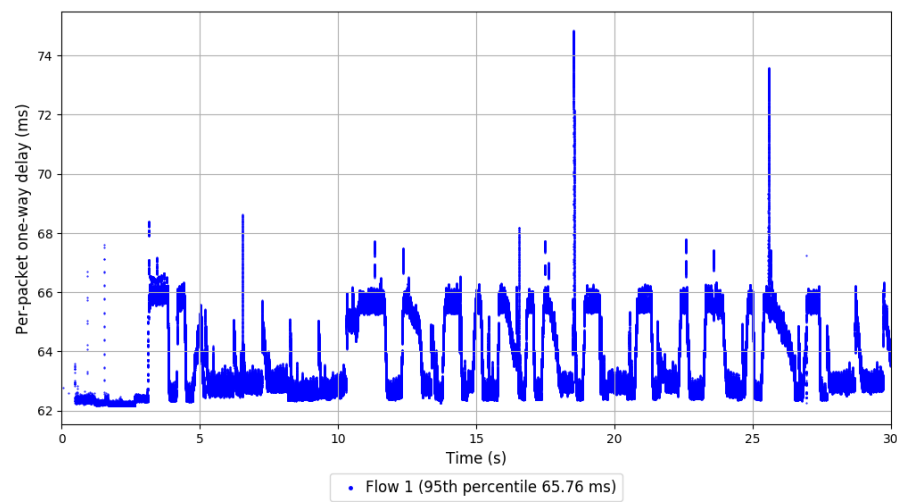
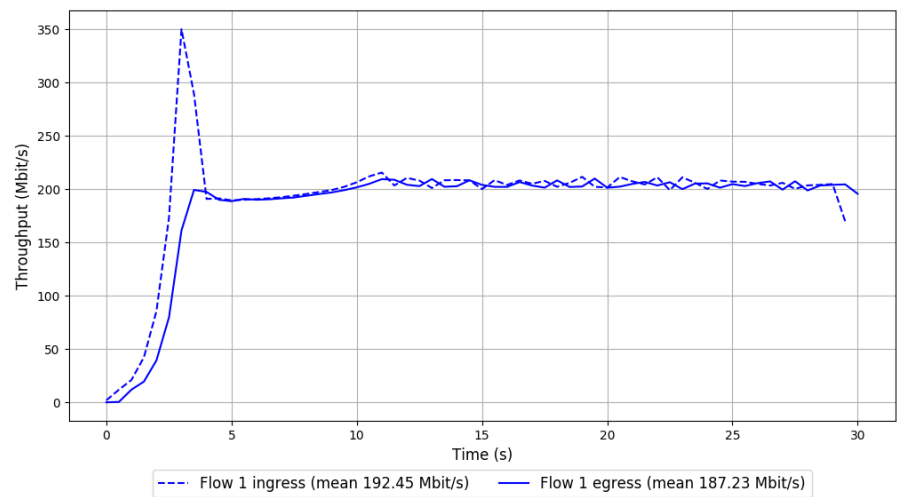


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 01:32:23  
End at: 2018-08-01 01:32:53  
Local clock offset: 0.146 ms  
Remote clock offset: -28.622 ms

# Below is generated by plot.py at 2018-08-01 04:38:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 187.23 Mbit/s  
95th percentile per-packet one-way delay: 65.757 ms  
Loss rate: 2.71%  
-- Flow 1:  
Average throughput: 187.23 Mbit/s  
95th percentile per-packet one-way delay: 65.757 ms  
Loss rate: 2.71%

Run 4: Report of PCC-Expr — Data Link



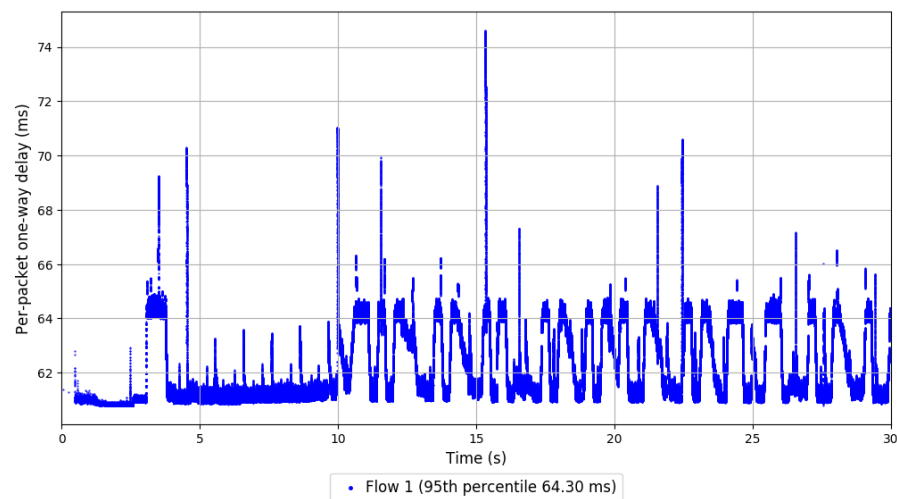
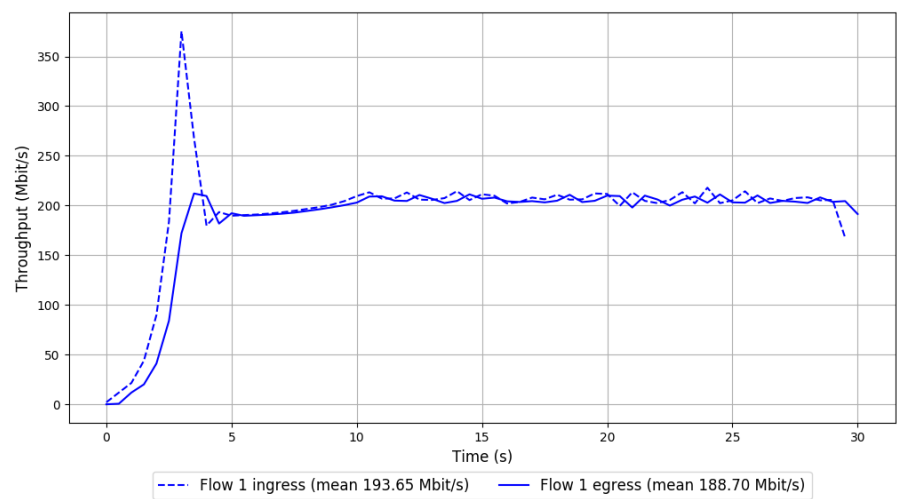
Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 02:00:00  
End at: 2018-08-01 02:00:31  
Local clock offset: -0.738 ms  
Remote clock offset: -28.779 ms

# Below is generated by plot.py at 2018-08-01 04:38:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 188.70 Mbit/s  
95th percentile per-packet one-way delay: 64.296 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 188.70 Mbit/s  
95th percentile per-packet one-way delay: 64.296 ms  
Loss rate: 2.55%



Run 5: Report of PCC-Expr — Data Link

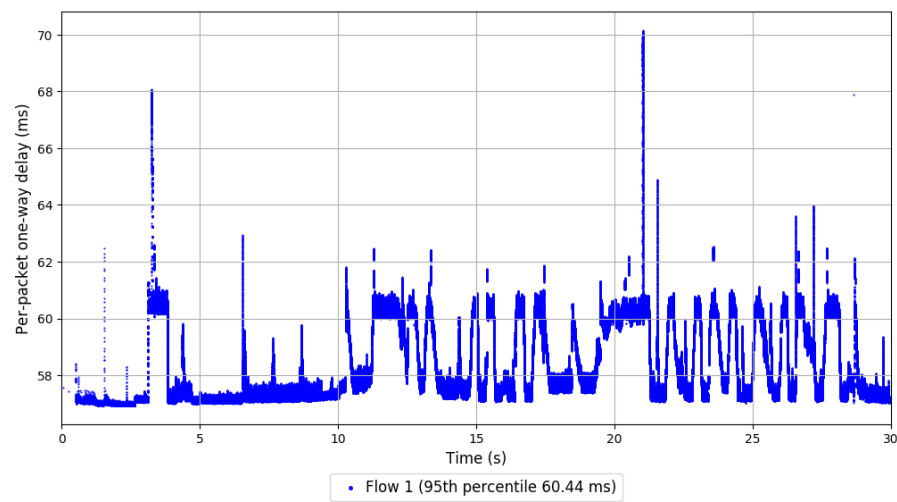
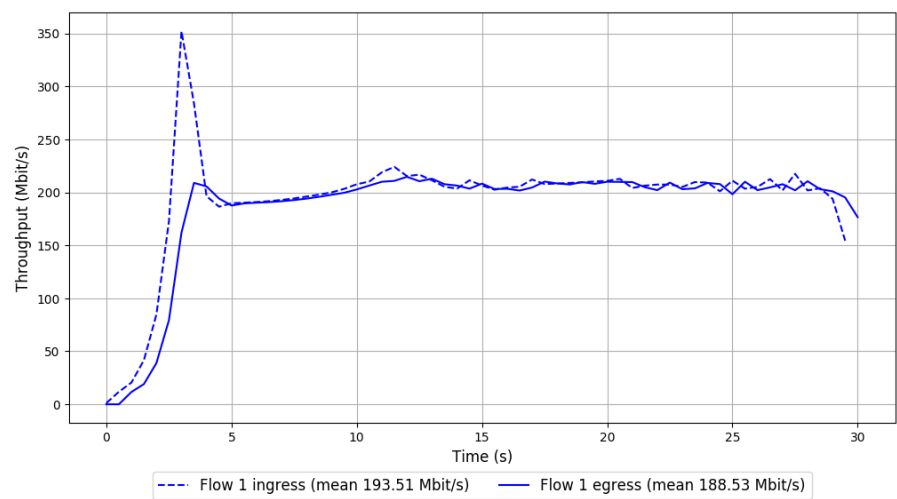


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 02:22:13  
End at: 2018-08-01 02:22:43  
Local clock offset: -0.116 ms  
Remote clock offset: -31.851 ms

# Below is generated by plot.py at 2018-08-01 04:39:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 188.53 Mbit/s  
95th percentile per-packet one-way delay: 60.438 ms  
Loss rate: 2.57%  
-- Flow 1:  
Average throughput: 188.53 Mbit/s  
95th percentile per-packet one-way delay: 60.438 ms  
Loss rate: 2.57%

Run 6: Report of PCC-Expr — Data Link

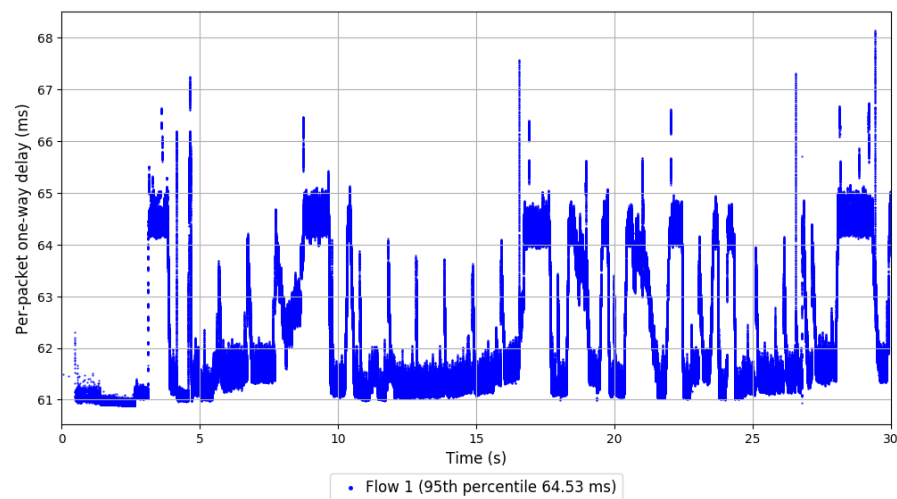
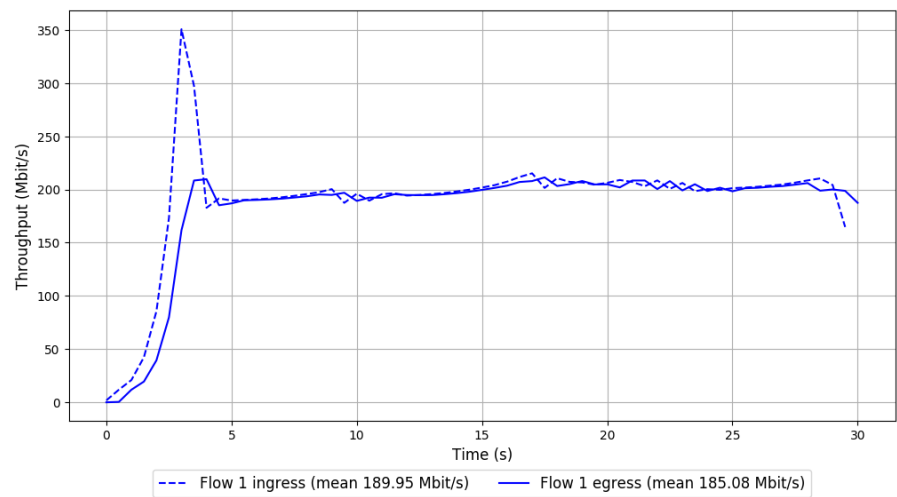


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 02:50:28  
End at: 2018-08-01 02:50:58  
Local clock offset: 0.975 ms  
Remote clock offset: -29.647 ms

# Below is generated by plot.py at 2018-08-01 04:39:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 185.08 Mbit/s  
95th percentile per-packet one-way delay: 64.529 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 185.08 Mbit/s  
95th percentile per-packet one-way delay: 64.529 ms  
Loss rate: 2.55%

Run 7: Report of PCC-Expr — Data Link

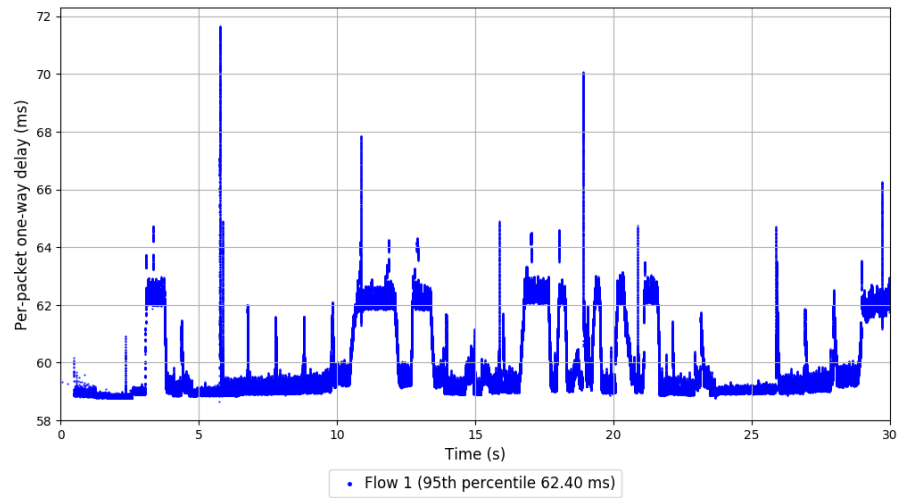
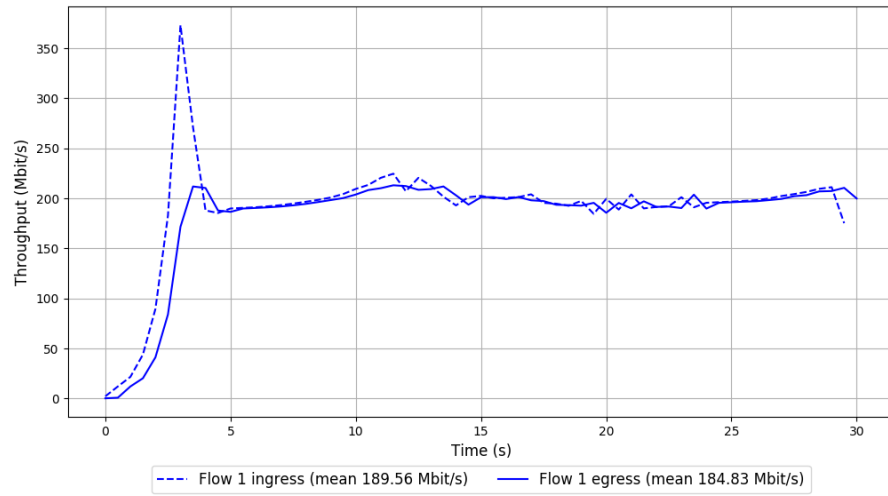


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 03:12:32  
End at: 2018-08-01 03:13:02  
Local clock offset: 0.992 ms  
Remote clock offset: -29.915 ms

# Below is generated by plot.py at 2018-08-01 04:40:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 184.83 Mbit/s  
95th percentile per-packet one-way delay: 62.396 ms  
Loss rate: 2.49%  
-- Flow 1:  
Average throughput: 184.83 Mbit/s  
95th percentile per-packet one-way delay: 62.396 ms  
Loss rate: 2.49%

## Run 8: Report of PCC-Expr — Data Link



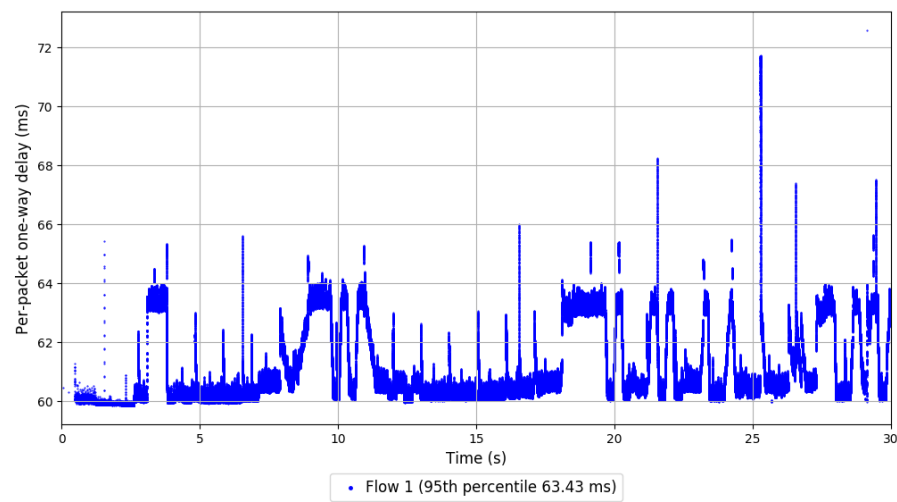
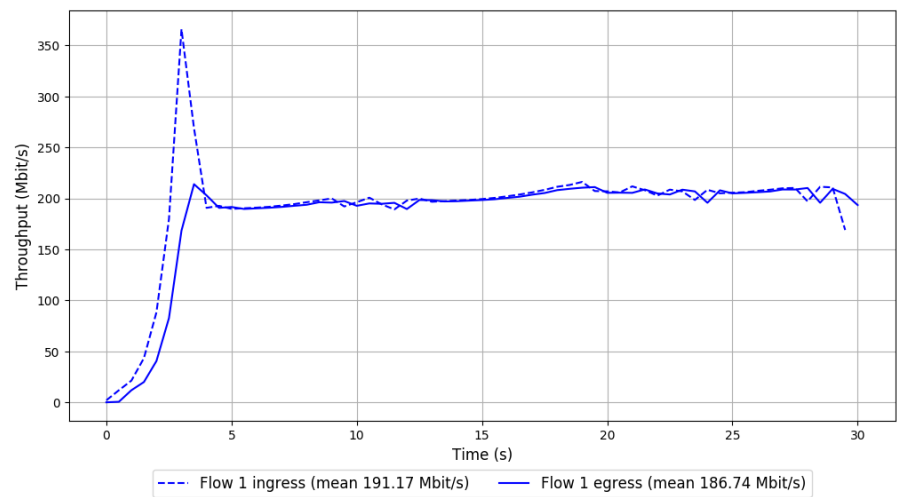
Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 03:34:36  
End at: 2018-08-01 03:35:06  
Local clock offset: 0.402 ms  
Remote clock offset: -29.845 ms

# Below is generated by plot.py at 2018-08-01 04:40:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 186.74 Mbit/s  
95th percentile per-packet one-way delay: 63.426 ms  
Loss rate: 2.31%  
-- Flow 1:  
Average throughput: 186.74 Mbit/s  
95th percentile per-packet one-way delay: 63.426 ms  
Loss rate: 2.31%



Run 9: Report of PCC-Expr — Data Link

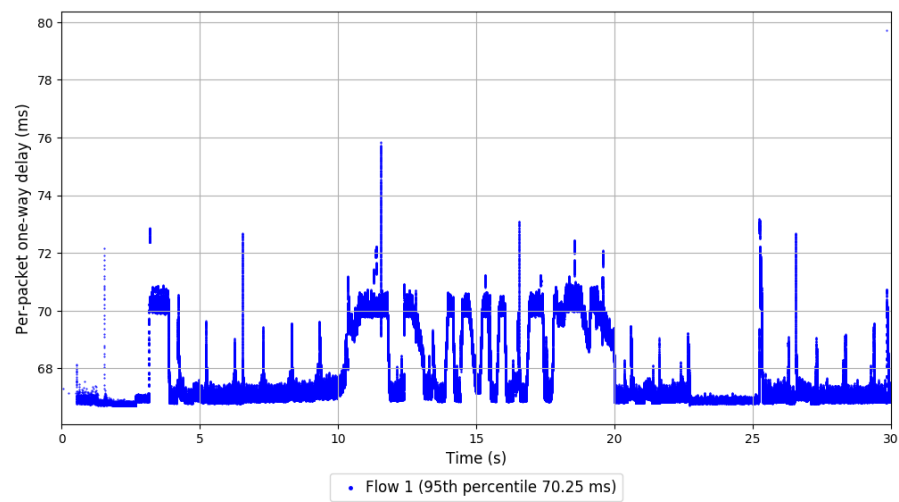
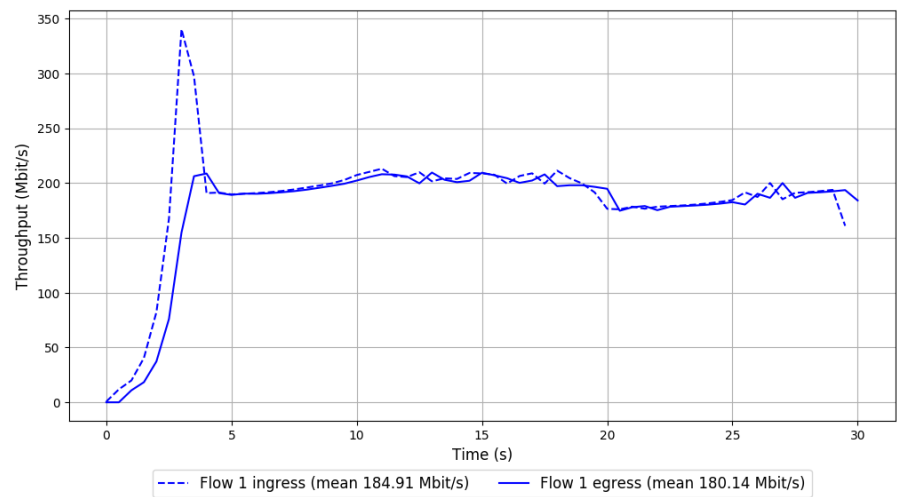


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 03:56:47  
End at: 2018-08-01 03:57:17  
Local clock offset: 1.22 ms  
Remote clock offset: -24.681 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 180.14 Mbit/s  
95th percentile per-packet one-way delay: 70.255 ms  
Loss rate: 2.58%  
-- Flow 1:  
Average throughput: 180.14 Mbit/s  
95th percentile per-packet one-way delay: 70.255 ms  
Loss rate: 2.58%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

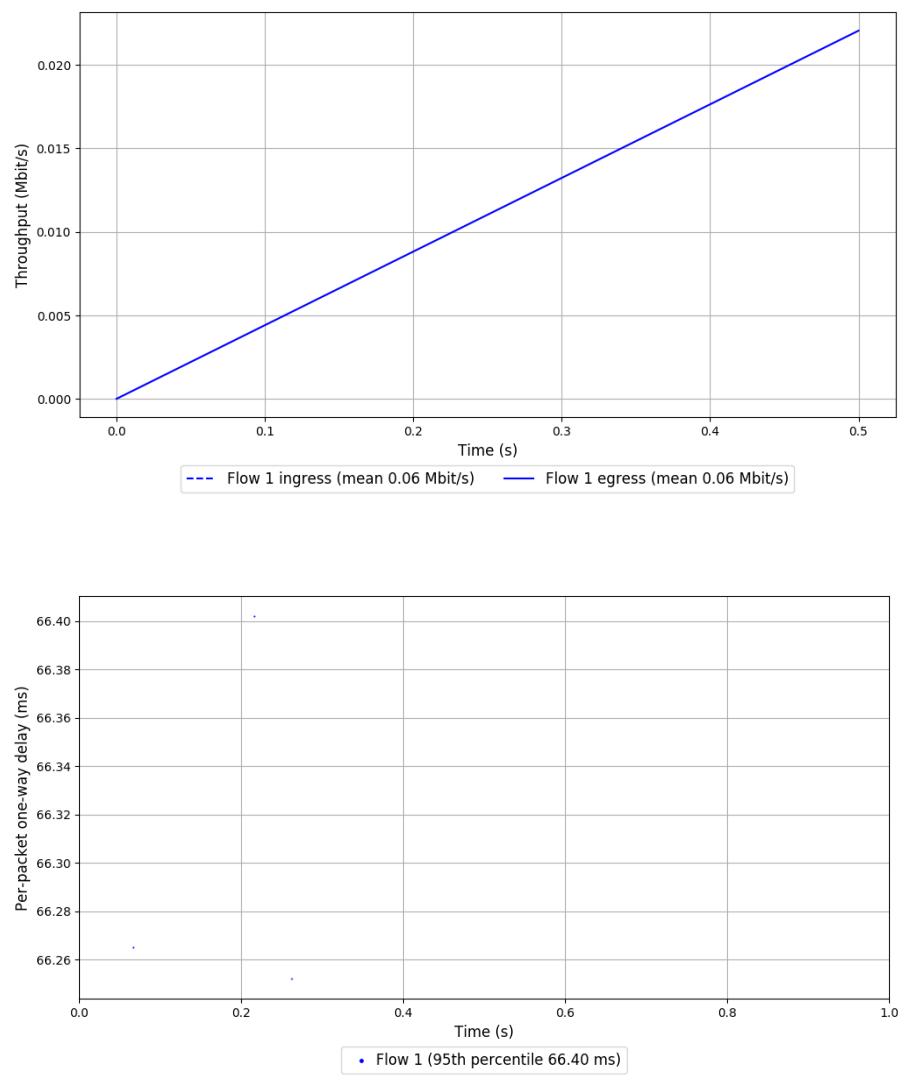
Start at: 2018-08-01 00:22:01

End at: 2018-08-01 00:22:31

Local clock offset: 1.141 ms

Remote clock offset: -27.436 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

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

End at: 2018-08-01 00:44:30

Local clock offset: 2.102 ms

Remote clock offset: -26.26 ms

# Below is generated by plot.py at 2018-08-01 04:40:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.08 Mbit/s

95th percentile per-packet one-way delay: 64.796 ms

Loss rate: 0.00%

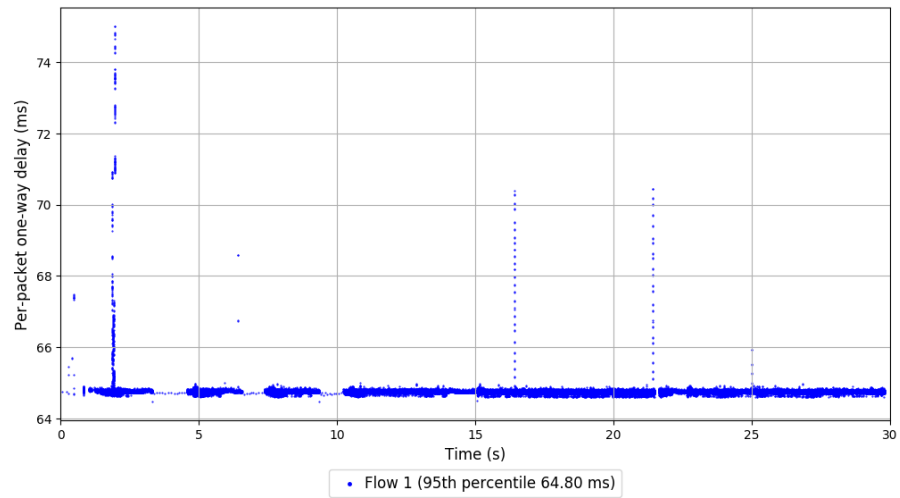
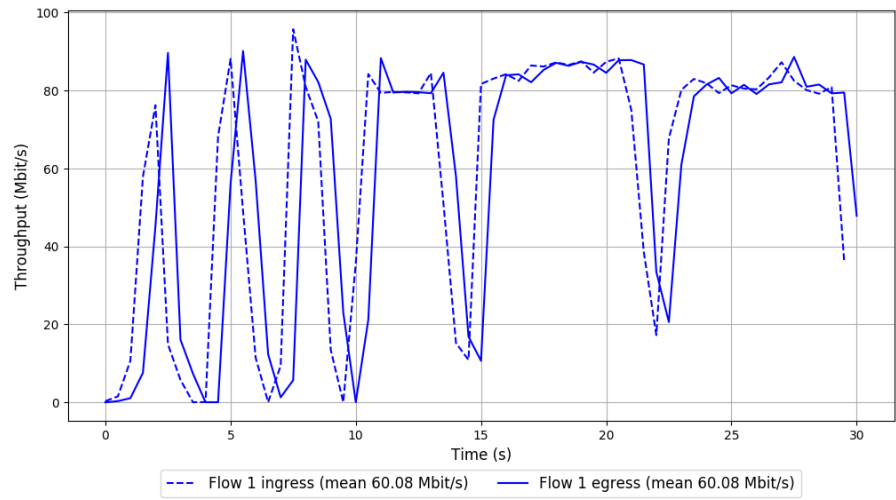
-- Flow 1:

Average throughput: 60.08 Mbit/s

95th percentile per-packet one-way delay: 64.796 ms

Loss rate: 0.00%

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



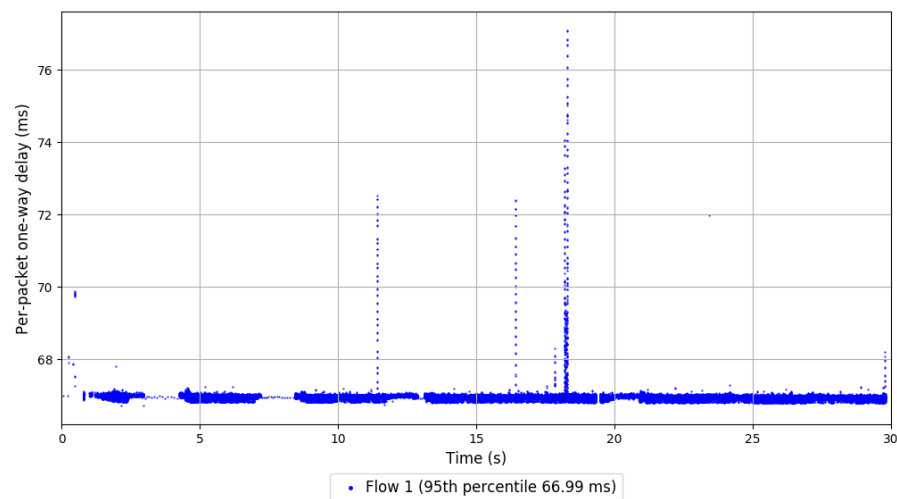
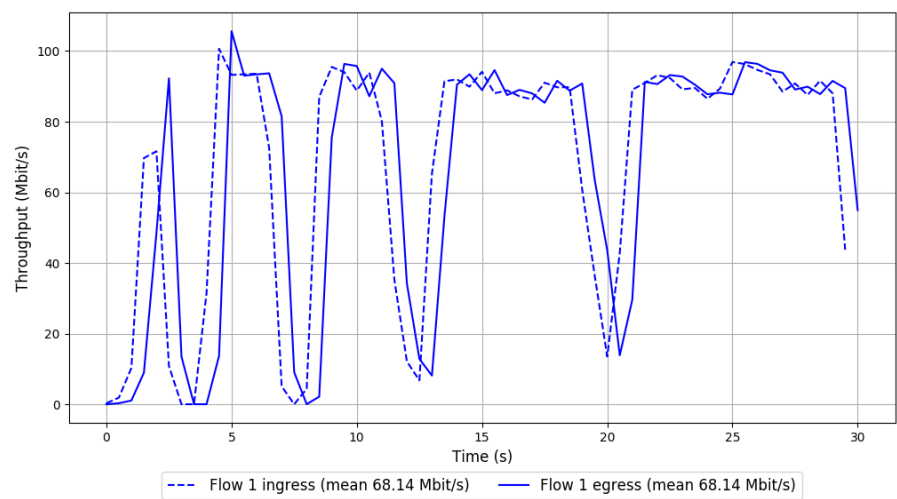
Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 01:11:42  
End at: 2018-08-01 01:12:12  
Local clock offset: -2.557 ms  
Remote clock offset: -22.565 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.14 Mbit/s  
95th percentile per-packet one-way delay: 66.991 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.14 Mbit/s  
95th percentile per-packet one-way delay: 66.991 ms  
Loss rate: 0.00%



Run 3: Report of QUIC Cubic — Data Link

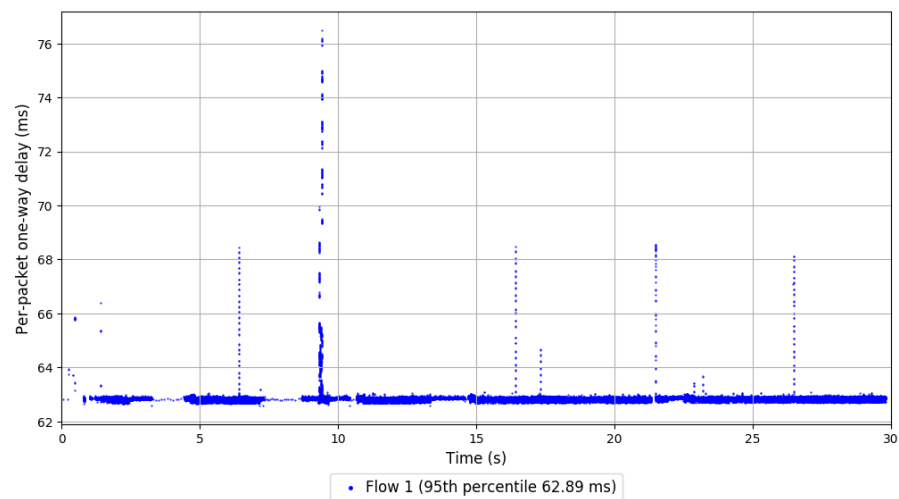
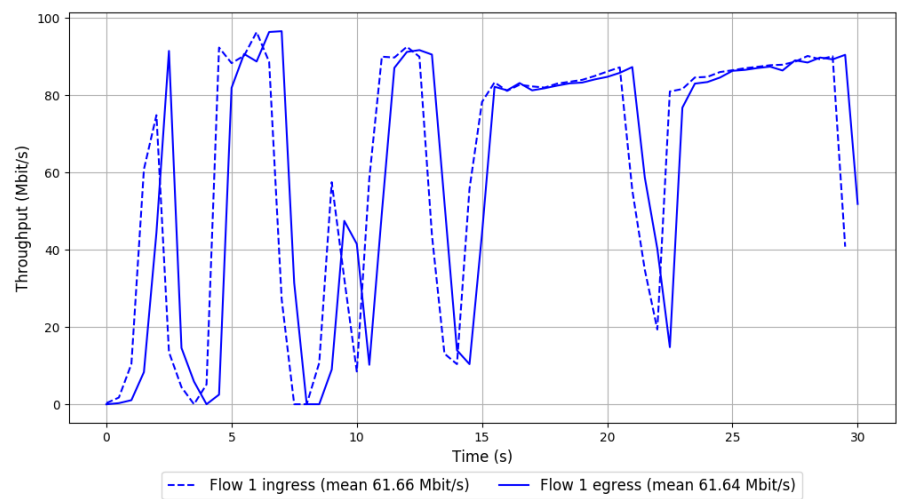


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 01:33:50  
End at: 2018-08-01 01:34:20  
Local clock offset: 1.52 ms  
Remote clock offset: -27.047 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.64 Mbit/s  
95th percentile per-packet one-way delay: 62.888 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 61.64 Mbit/s  
95th percentile per-packet one-way delay: 62.888 ms  
Loss rate: 0.03%

Run 4: Report of QUIC Cubic — Data Link

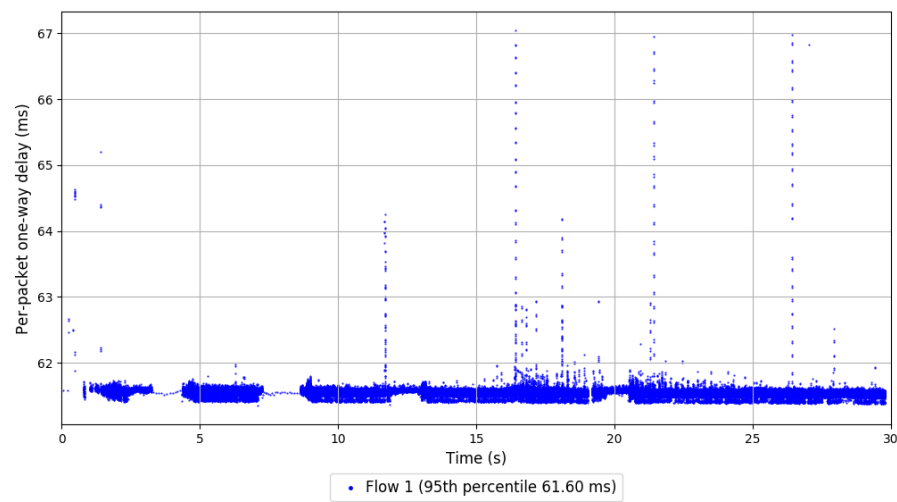
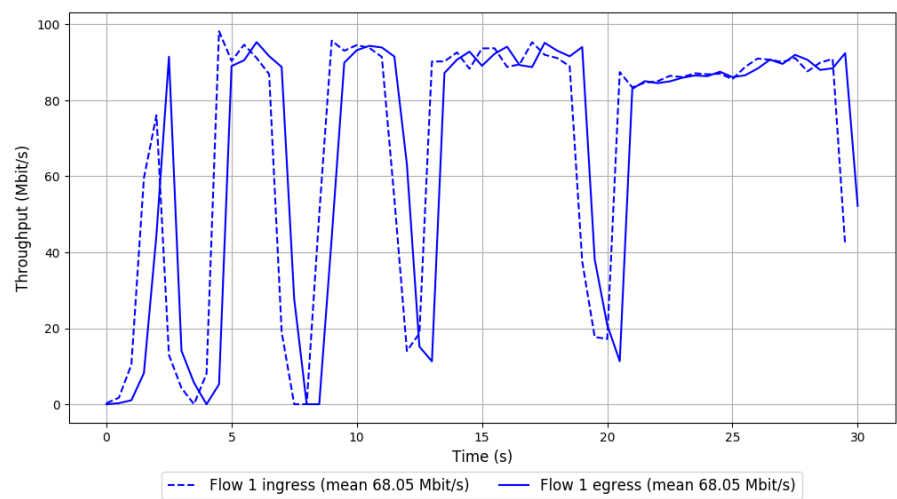


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 02:01:28  
End at: 2018-08-01 02:01:58  
Local clock offset: 1.068 ms  
Remote clock offset: -28.887 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.05 Mbit/s  
95th percentile per-packet one-way delay: 61.605 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.05 Mbit/s  
95th percentile per-packet one-way delay: 61.605 ms  
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

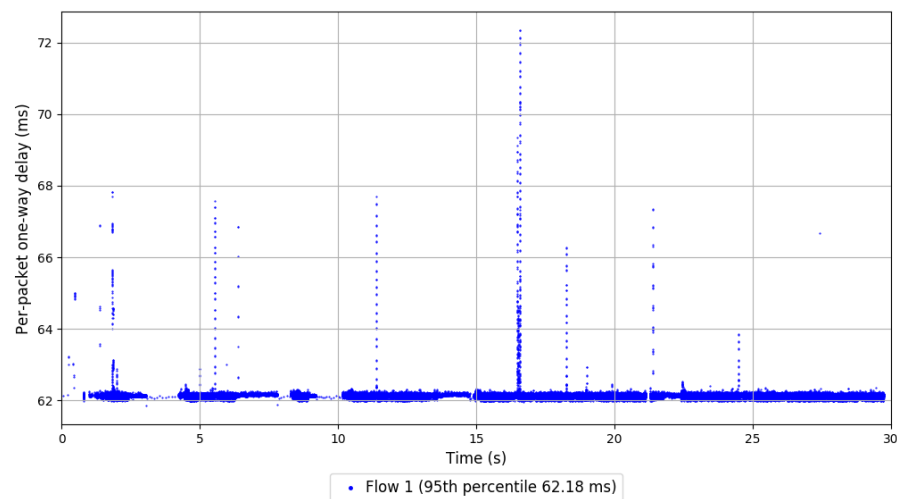
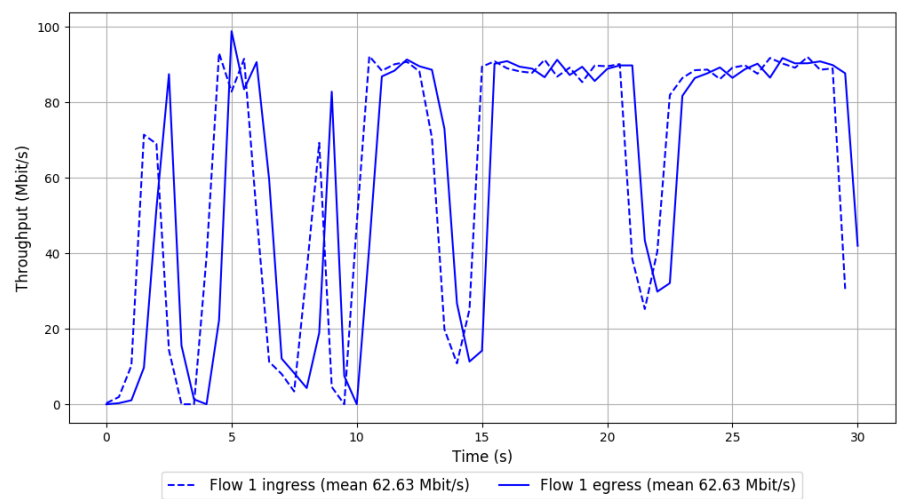


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 02:23:41  
End at: 2018-08-01 02:24:11  
Local clock offset: 1.258 ms  
Remote clock offset: -24.961 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.63 Mbit/s  
95th percentile per-packet one-way delay: 62.179 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 62.63 Mbit/s  
95th percentile per-packet one-way delay: 62.179 ms  
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



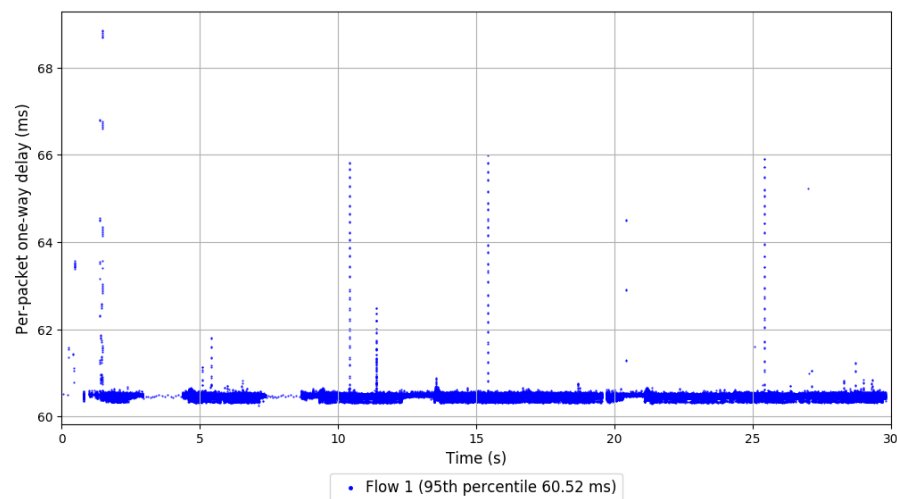
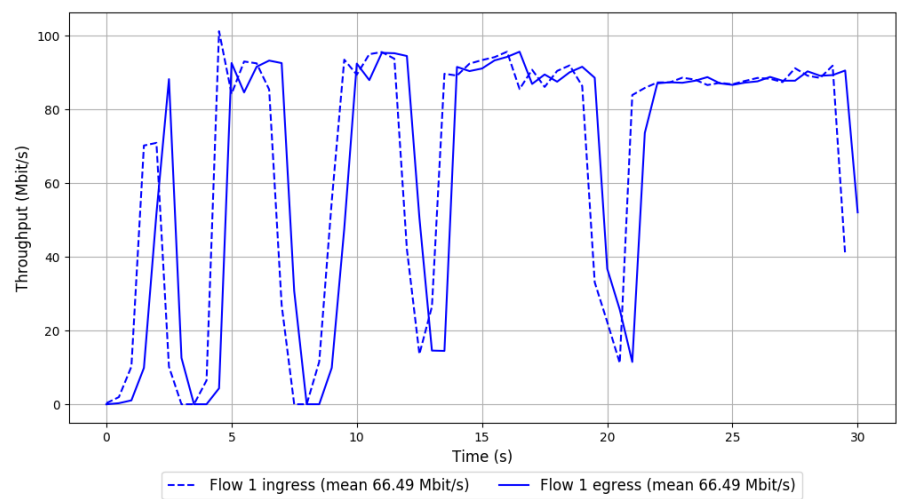
Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 02:51:55  
End at: 2018-08-01 02:52:25  
Local clock offset: 0.344 ms  
Remote clock offset: -28.026 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.49 Mbit/s  
95th percentile per-packet one-way delay: 60.519 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 66.49 Mbit/s  
95th percentile per-packet one-way delay: 60.519 ms  
Loss rate: 0.00%



Run 7: Report of QUIC Cubic — Data Link

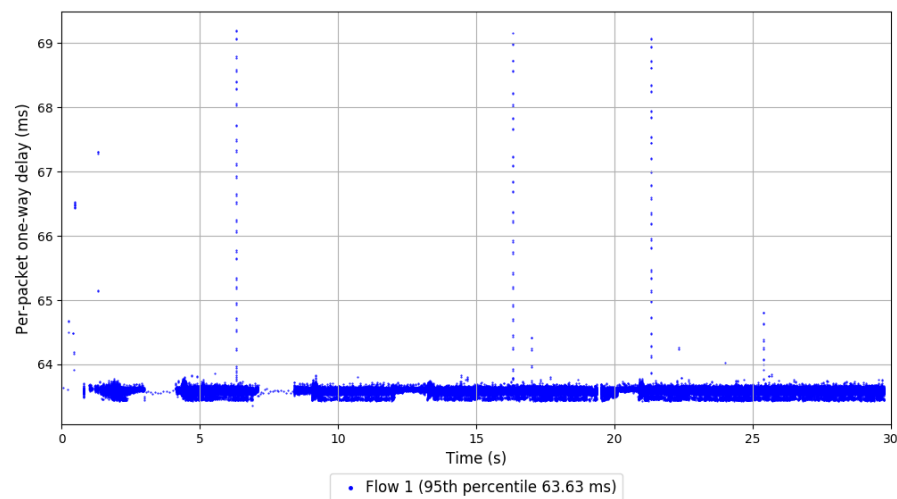
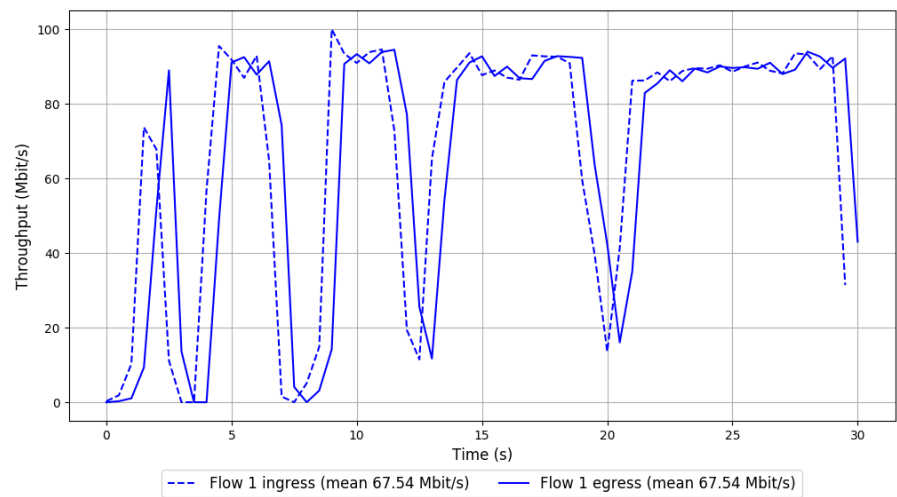


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 03:13:59  
End at: 2018-08-01 03:14:29  
Local clock offset: 0.349 ms  
Remote clock offset: -25.496 ms

# Below is generated by plot.py at 2018-08-01 04:40:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.54 Mbit/s  
95th percentile per-packet one-way delay: 63.631 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.54 Mbit/s  
95th percentile per-packet one-way delay: 63.631 ms  
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 03:36:05

End at: 2018-08-01 03:36:35

Local clock offset: 1.081 ms

Remote clock offset: -25.02 ms

# Below is generated by plot.py at 2018-08-01 04:40:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.79 Mbit/s

95th percentile per-packet one-way delay: 66.763 ms

Loss rate: 0.00%

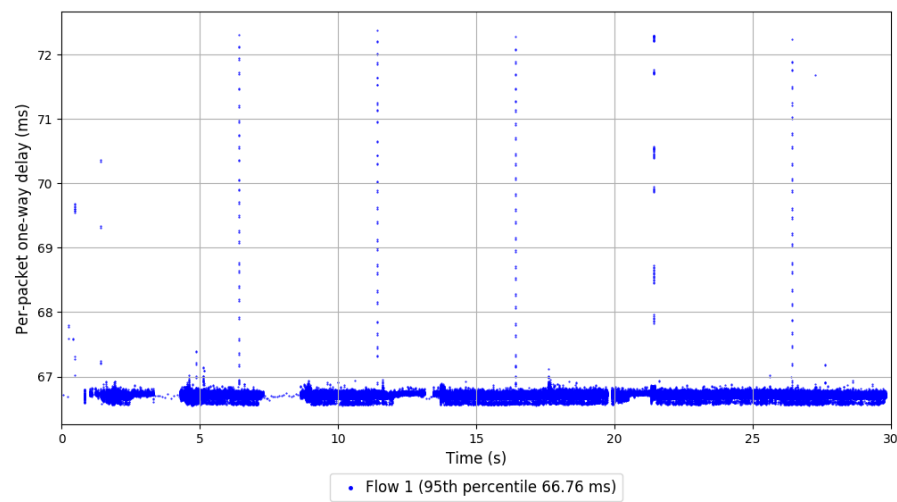
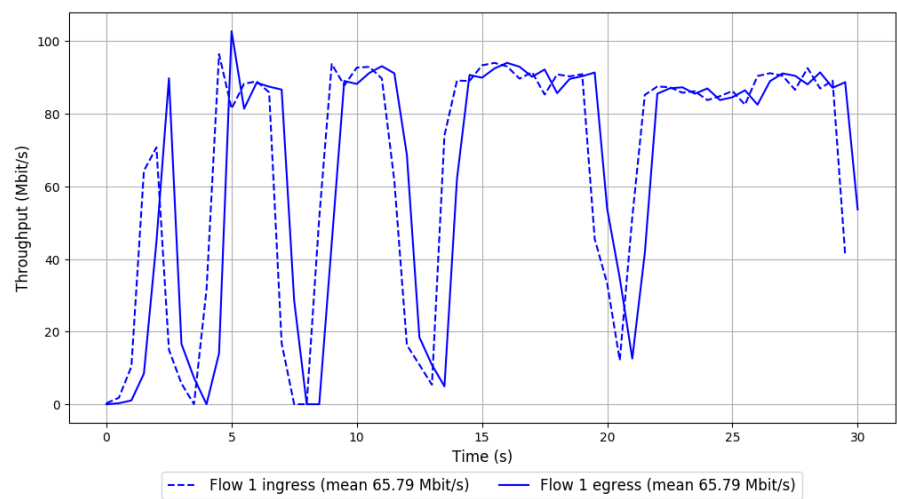
-- Flow 1:

Average throughput: 65.79 Mbit/s

95th percentile per-packet one-way delay: 66.763 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 03:58:14

End at: 2018-08-01 03:58:44

Local clock offset: 0.41 ms

Remote clock offset: -26.832 ms

# Below is generated by plot.py at 2018-08-01 04:40:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.17 Mbit/s

95th percentile per-packet one-way delay: 62.705 ms

Loss rate: 0.00%

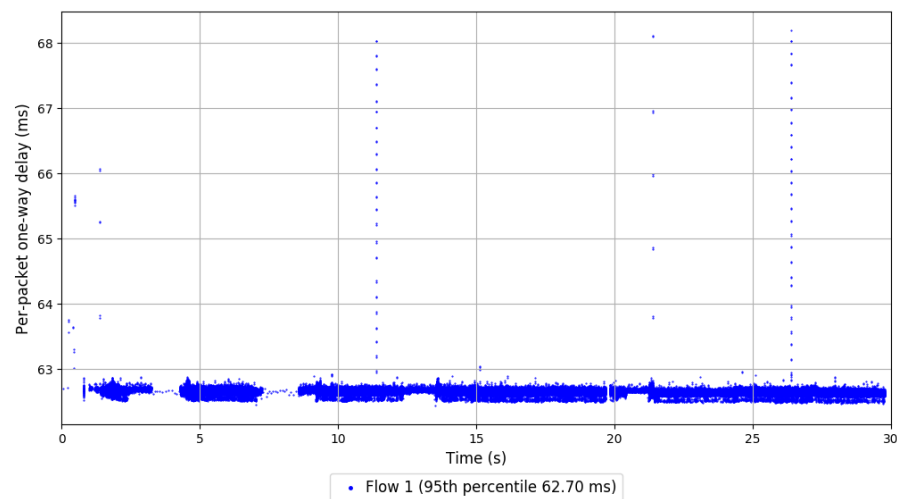
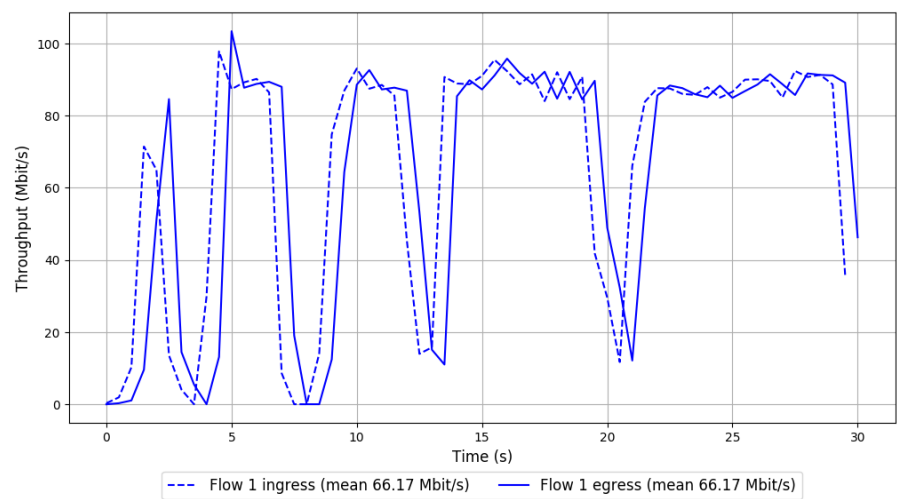
-- Flow 1:

Average throughput: 66.17 Mbit/s

95th percentile per-packet one-way delay: 62.705 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



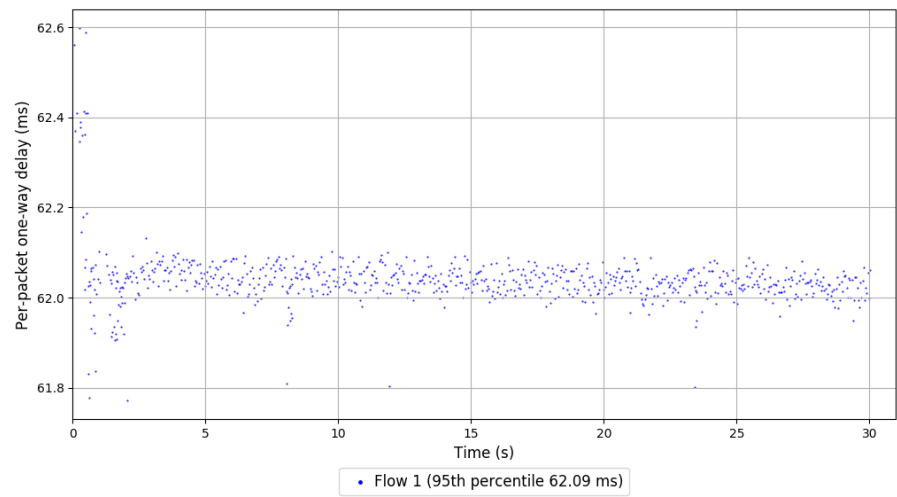
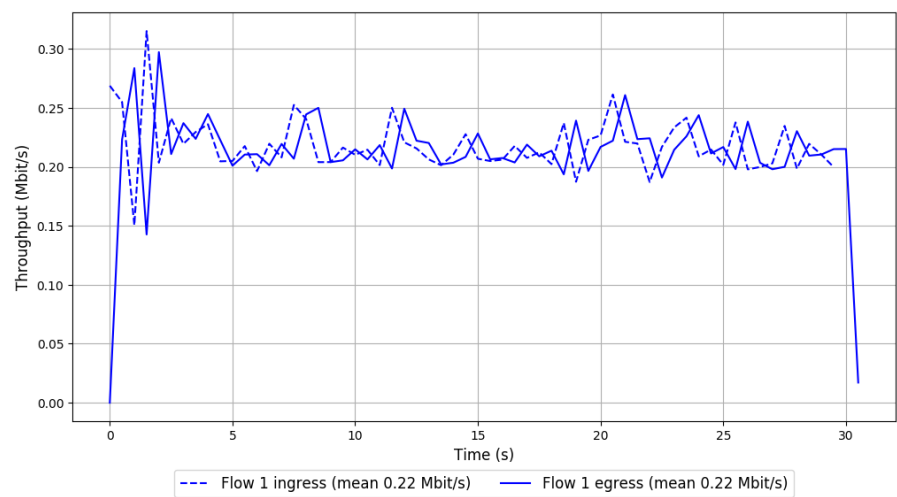
```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 00:02:30
End at: 2018-08-01 00:03:00
Local clock offset: 2.067 ms
Remote clock offset: -30.499 ms

# Below is generated by plot.py at 2018-08-01 04:40:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.089 ms
Loss rate: 0.00%
```



Run 1: Report of SReAM — Data Link

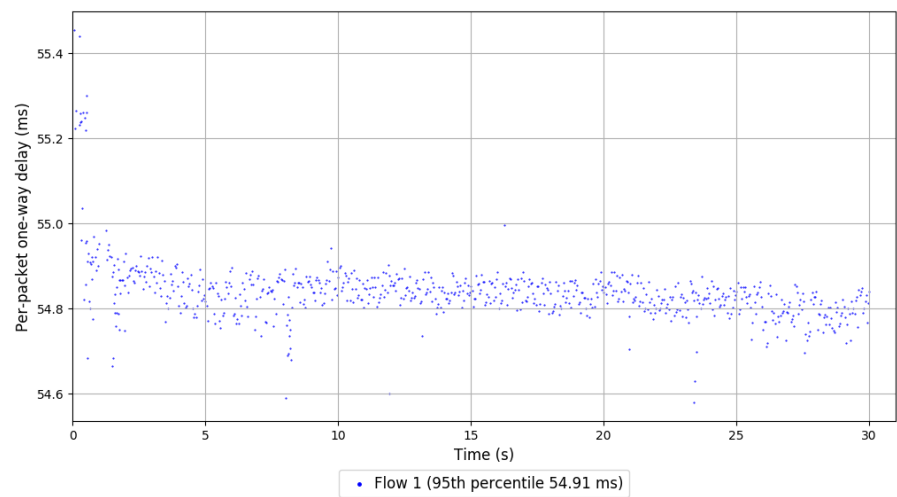
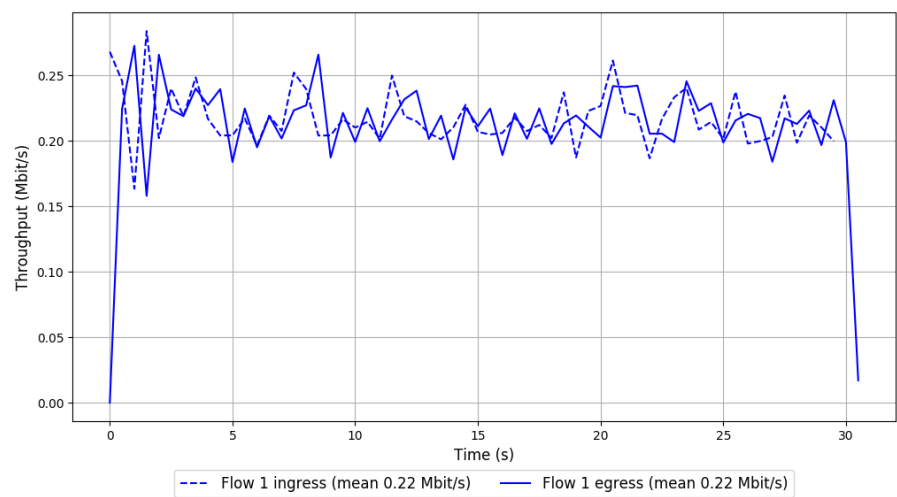


Run 2: Statistics of SCReAM

Start at: 2018-08-01 00:24:34  
End at: 2018-08-01 00:25:04  
Local clock offset: 2.773 ms  
Remote clock offset: -34.159 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 54.910 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 54.910 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

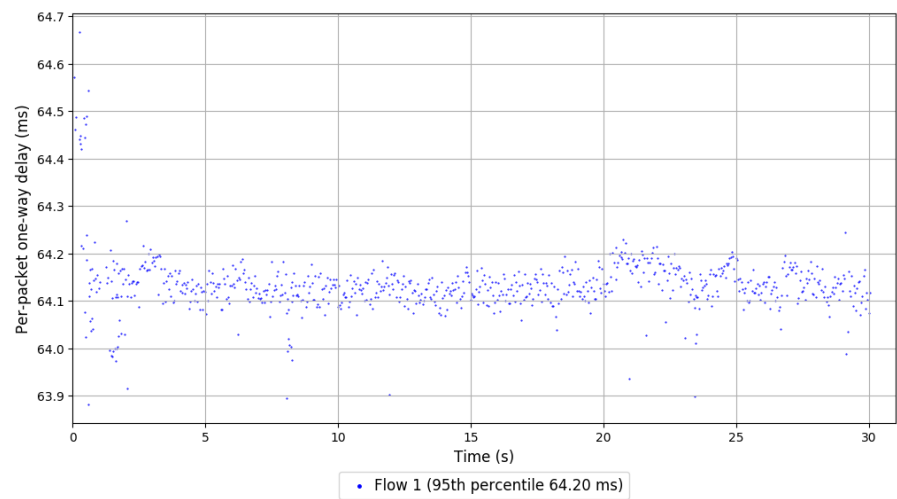
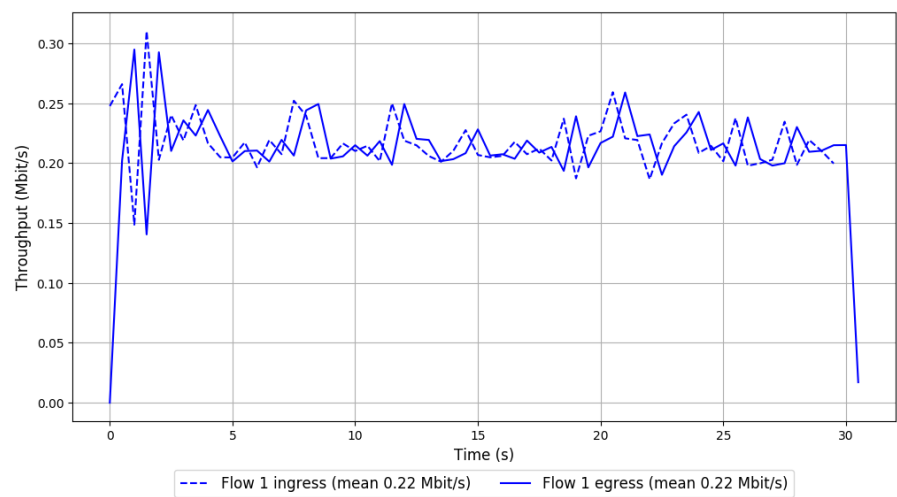


Run 3: Statistics of SCReAM

Start at: 2018-08-01 00:46:38  
End at: 2018-08-01 00:47:08  
Local clock offset: 0.82 ms  
Remote clock offset: -25.347 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.196 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.196 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

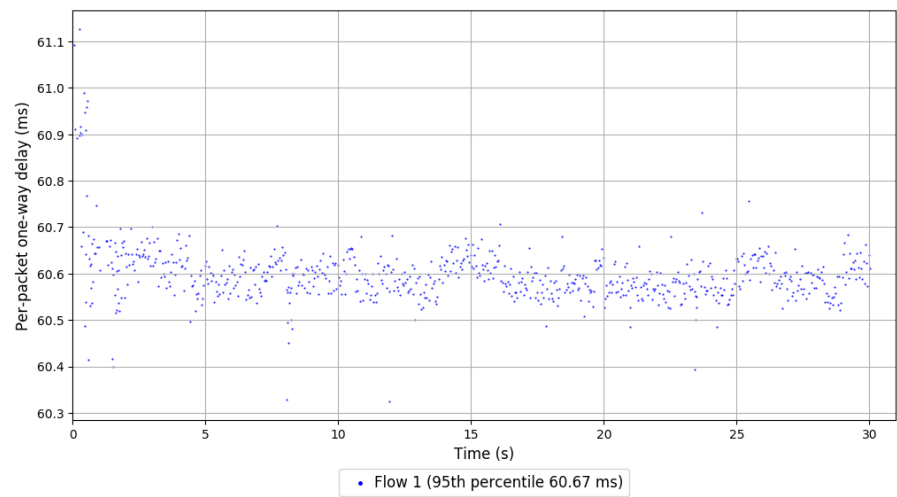
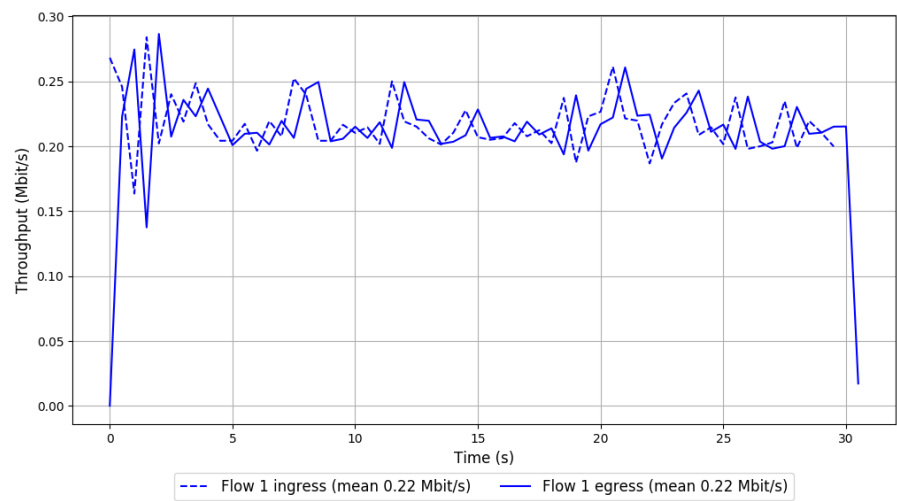


Run 4: Statistics of SCReAM

Start at: 2018-08-01 01:14:21  
End at: 2018-08-01 01:14:51  
Local clock offset: -2.536 ms  
Remote clock offset: -28.886 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 60.670 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 60.670 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



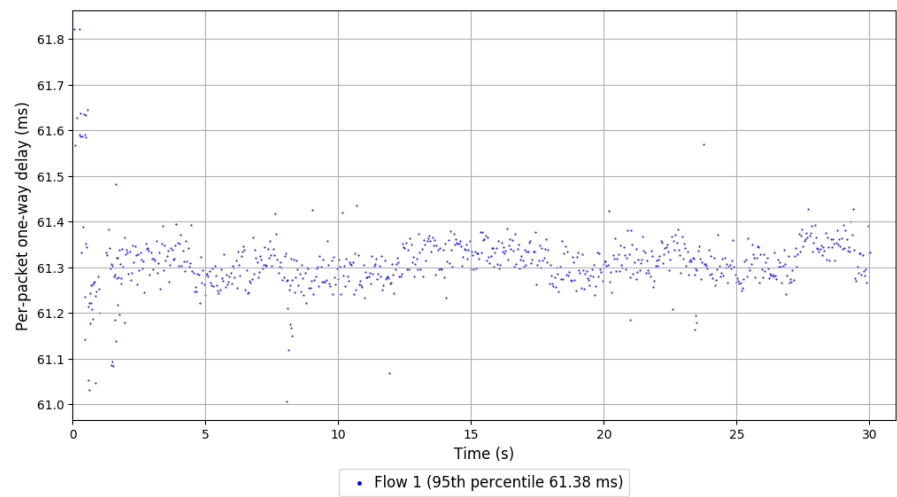
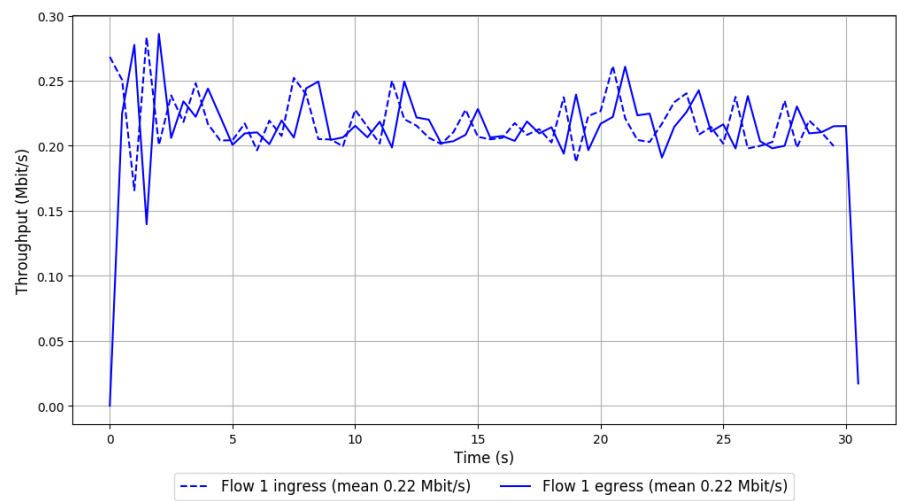
Run 5: Statistics of SCReAM

Start at: 2018-08-01 01:36:28  
End at: 2018-08-01 01:36:58  
Local clock offset: 1.486 ms  
Remote clock offset: -28.835 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 61.380 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 61.380 ms  
Loss rate: 0.00%



Run 5: Report of SReAM — Data Link

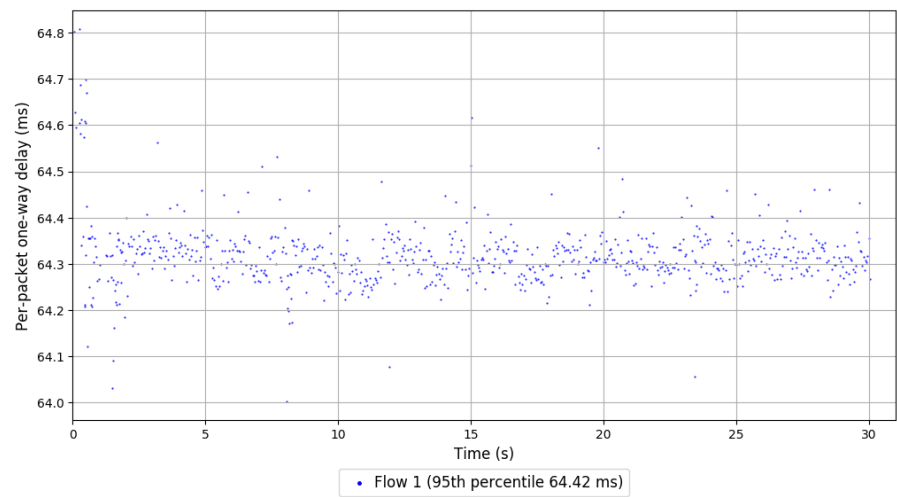
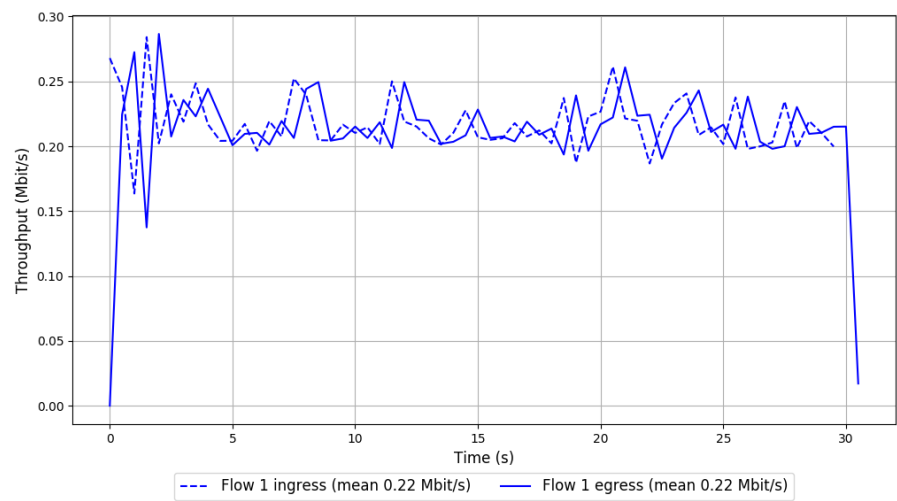


Run 6: Statistics of SCReAM

Start at: 2018-08-01 02:04:07  
End at: 2018-08-01 02:04:37  
Local clock offset: 2.149 ms  
Remote clock offset: -22.322 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.422 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.422 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

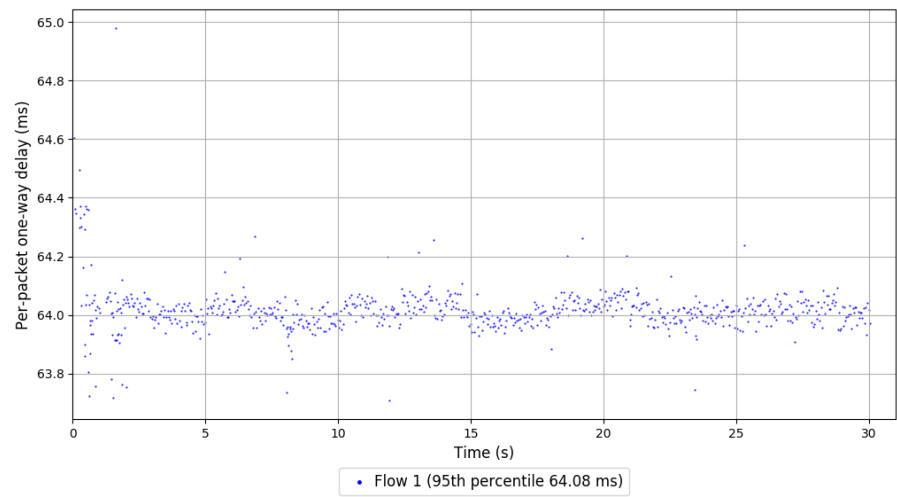
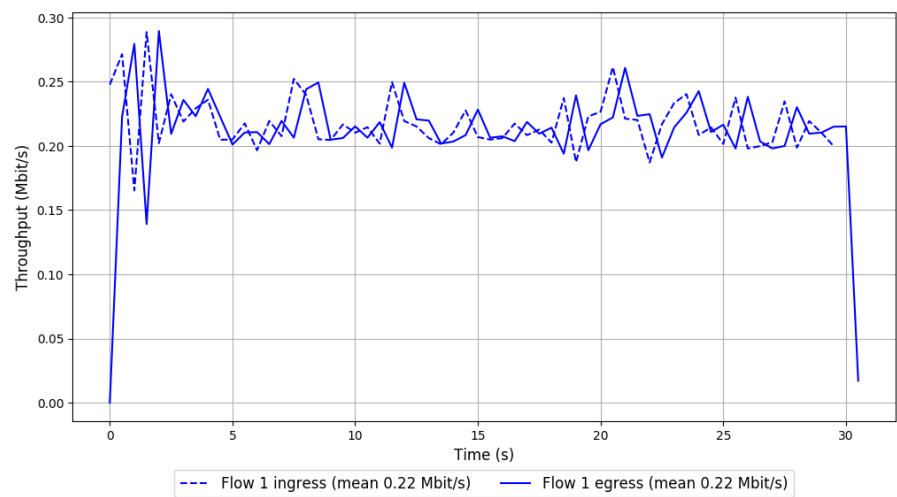


Run 7: Statistics of SCReAM

Start at: 2018-08-01 02:26:19  
End at: 2018-08-01 02:26:49  
Local clock offset: 0.121 ms  
Remote clock offset: -27.202 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.081 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 64.081 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

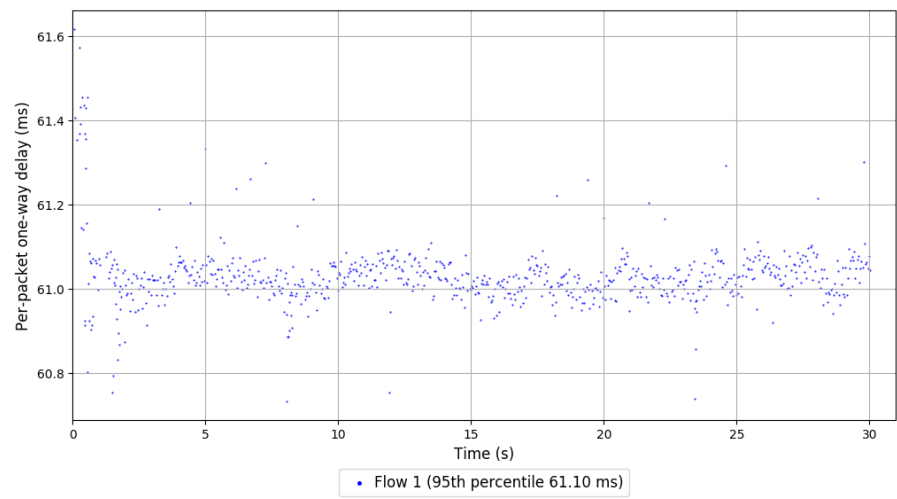
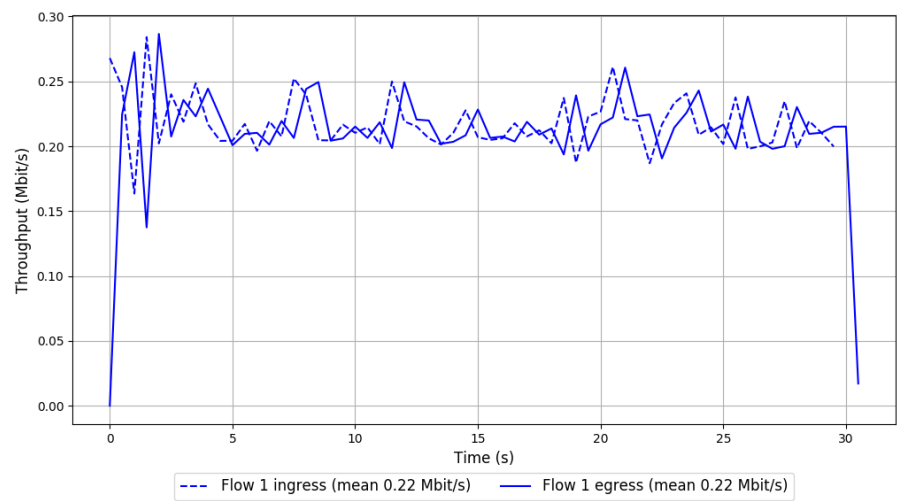


Run 8: Statistics of SCReAM

Start at: 2018-08-01 02:54:33  
End at: 2018-08-01 02:55:03  
Local clock offset: 0.885 ms  
Remote clock offset: -27.279 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 61.100 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 61.100 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



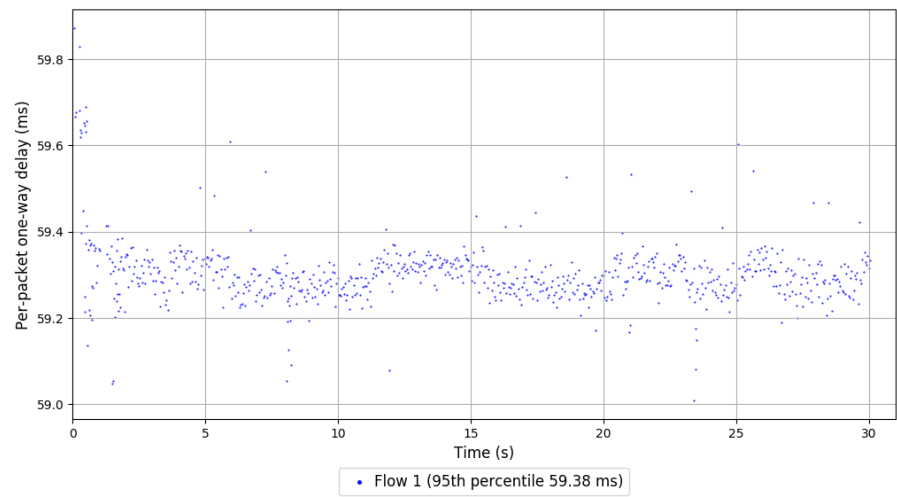
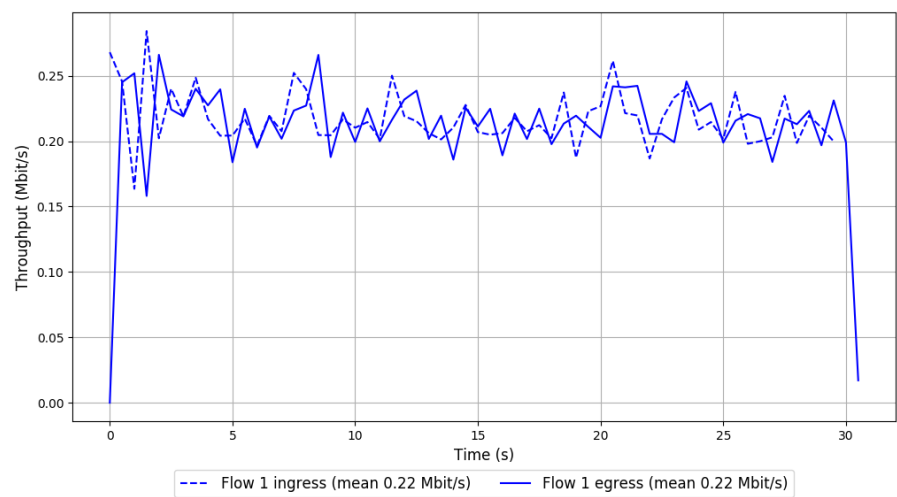
Run 9: Statistics of SCReAM

Start at: 2018-08-01 03:16:37  
End at: 2018-08-01 03:17:07  
Local clock offset: 0.365 ms  
Remote clock offset: -29.796 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 59.382 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 59.382 ms  
Loss rate: 0.00%



Run 9: Report of SReAM — Data Link

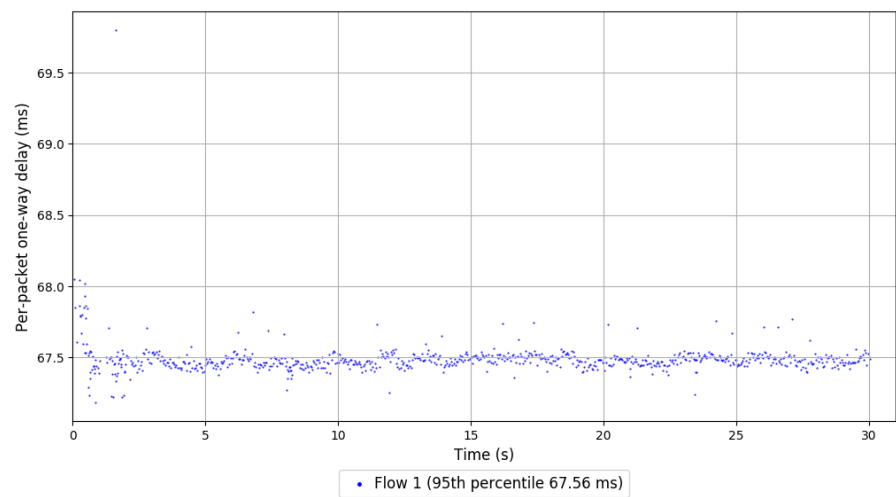
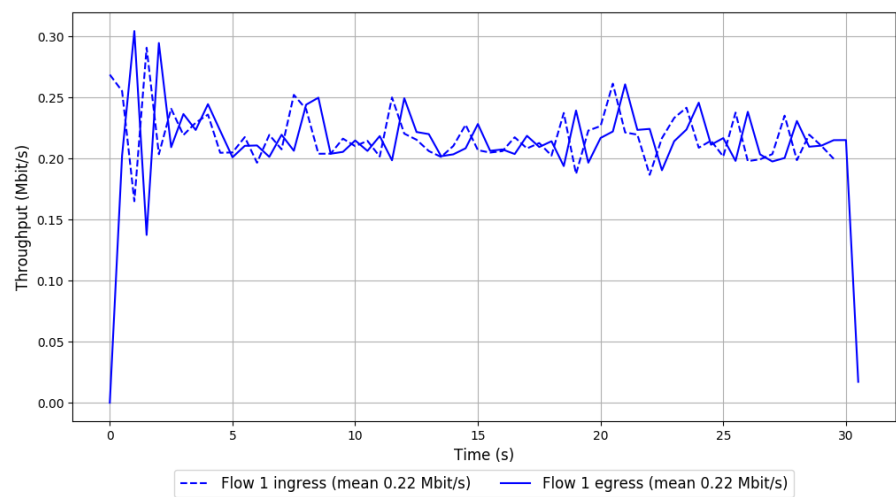


Run 10: Statistics of SReAM

Start at: 2018-08-01 03:38:43  
End at: 2018-08-01 03:39:13  
Local clock offset: -0.088 ms  
Remote clock offset: -25.736 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 67.563 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 67.563 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

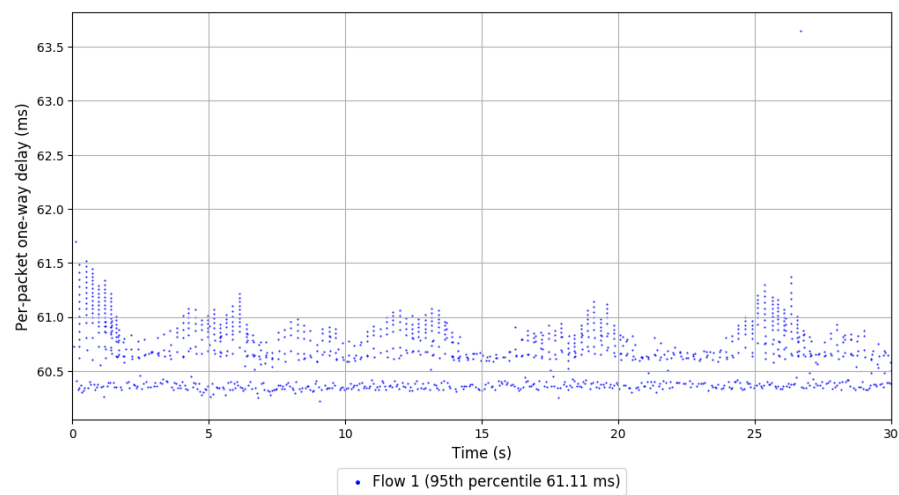
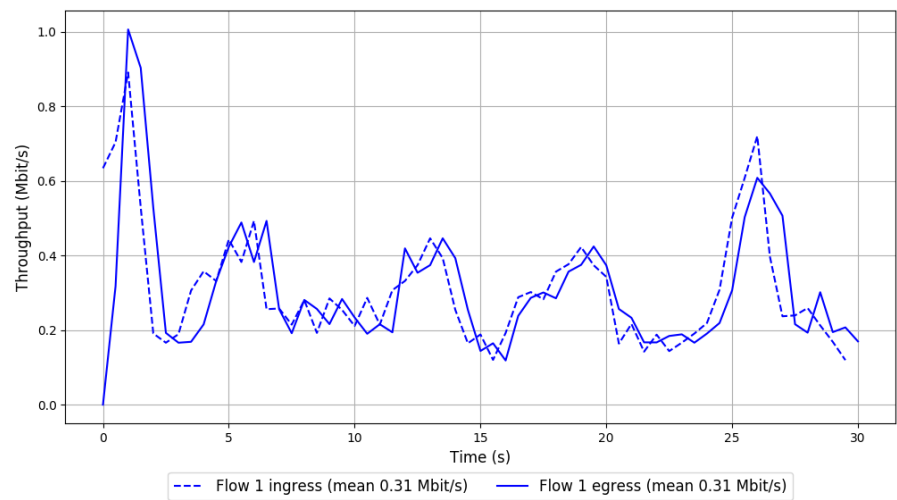


Run 1: Statistics of Sprout

Start at: 2018-08-01 00:14:19  
End at: 2018-08-01 00:14:49  
Local clock offset: 4.547 ms  
Remote clock offset: -26.764 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 61.111 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 61.111 ms  
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

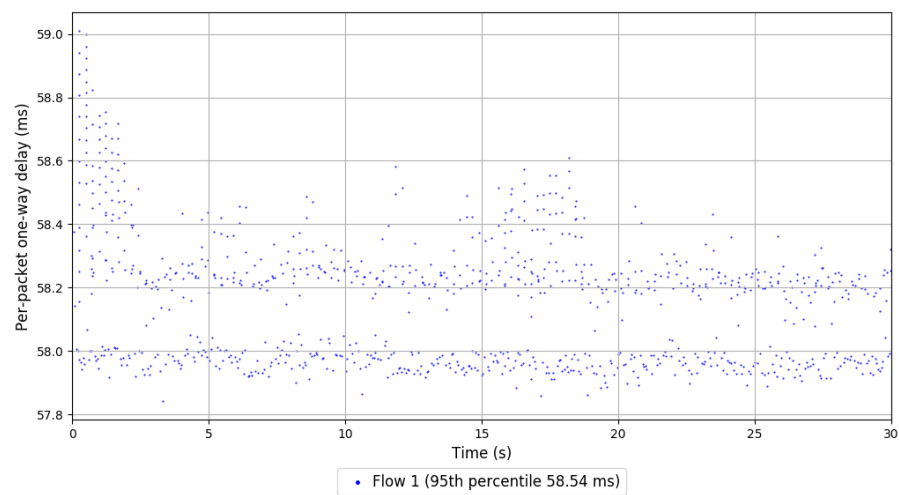
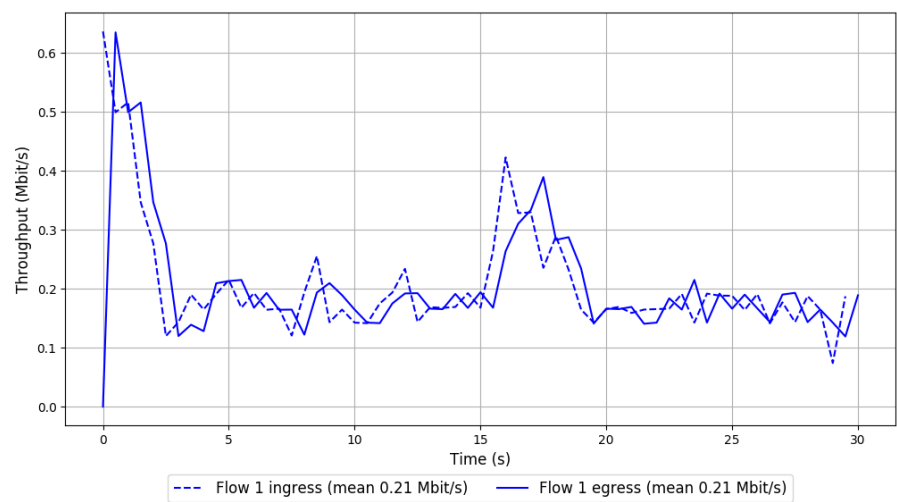


Run 2: Statistics of Sprout

Start at: 2018-08-01 00:36:18  
End at: 2018-08-01 00:36:48  
Local clock offset: 3.301 ms  
Remote clock offset: -29.208 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 58.538 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 58.538 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



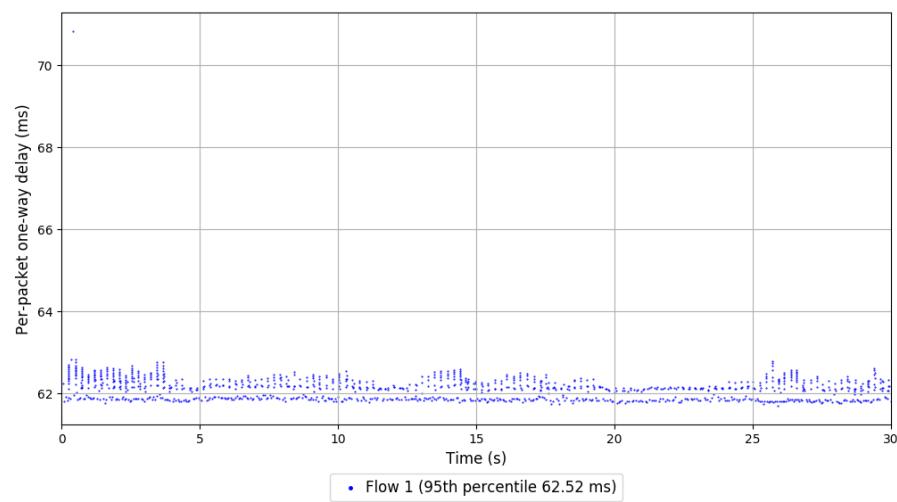
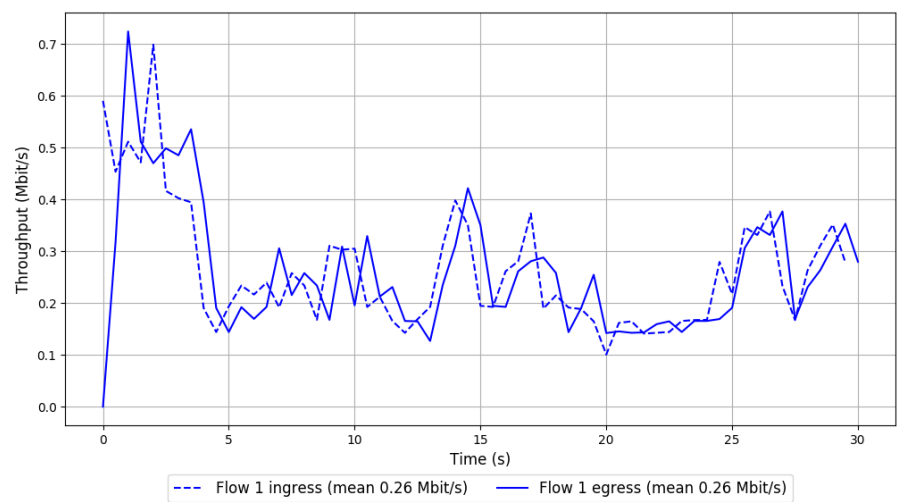
Run 3: Statistics of Sprout

Start at: 2018-08-01 01:04:01  
End at: 2018-08-01 01:04:31  
Local clock offset: -1.058 ms  
Remote clock offset: -26.737 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 62.520 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 62.520 ms  
Loss rate: 0.00%



Run 3: Report of Sprout — Data Link

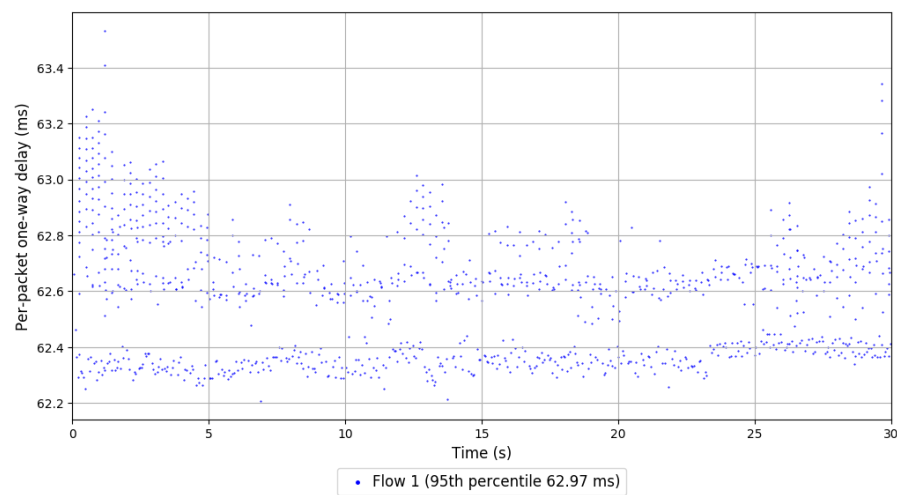
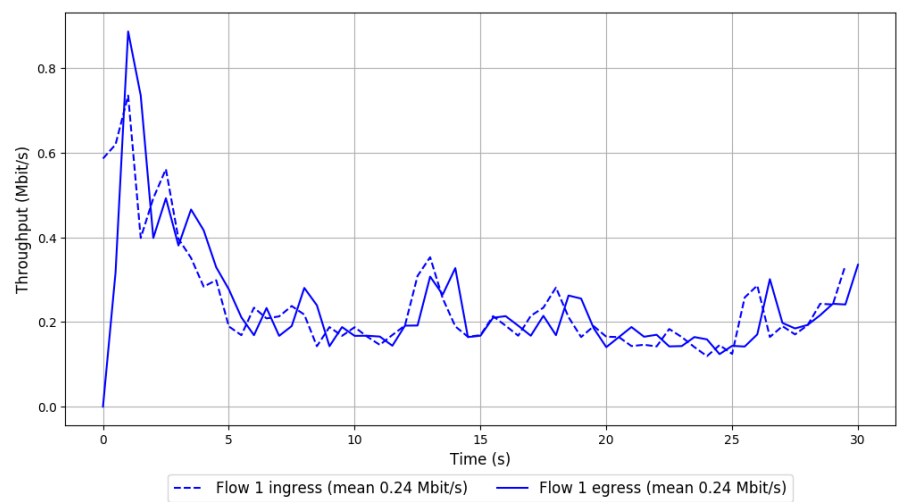


Run 4: Statistics of Sprout

Start at: 2018-08-01 01:26:08  
End at: 2018-08-01 01:26:38  
Local clock offset: -0.526 ms  
Remote clock offset: -25.665 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 62.972 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 62.972 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

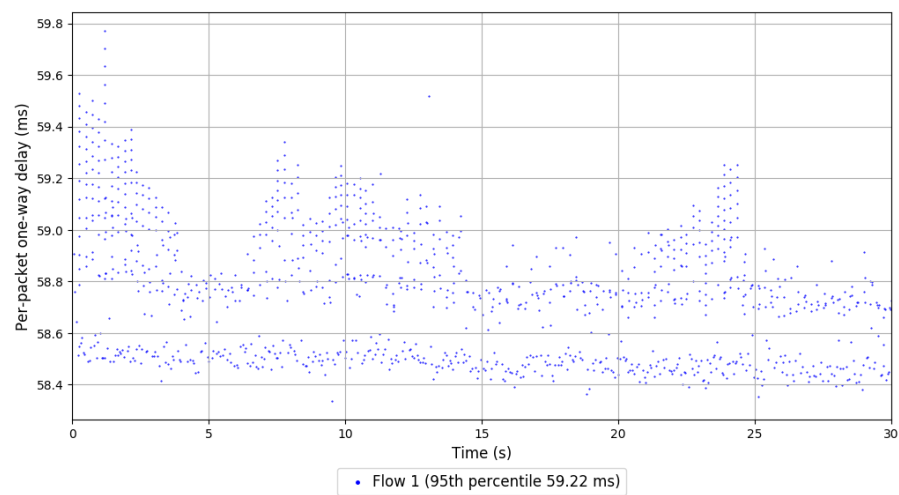
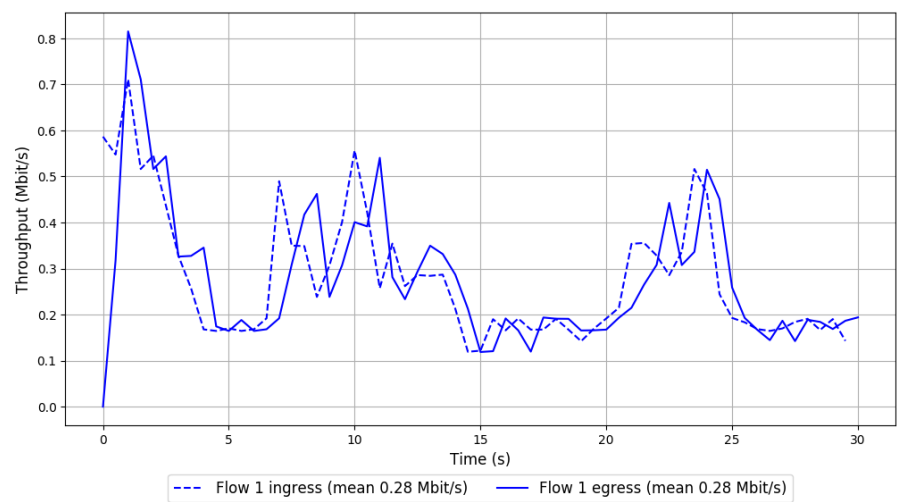


Run 5: Statistics of Sprout

Start at: 2018-08-01 01:53:46  
End at: 2018-08-01 01:54:16  
Local clock offset: 2.11 ms  
Remote clock offset: -28.821 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.28 Mbit/s  
95th percentile per-packet one-way delay: 59.217 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.28 Mbit/s  
95th percentile per-packet one-way delay: 59.217 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

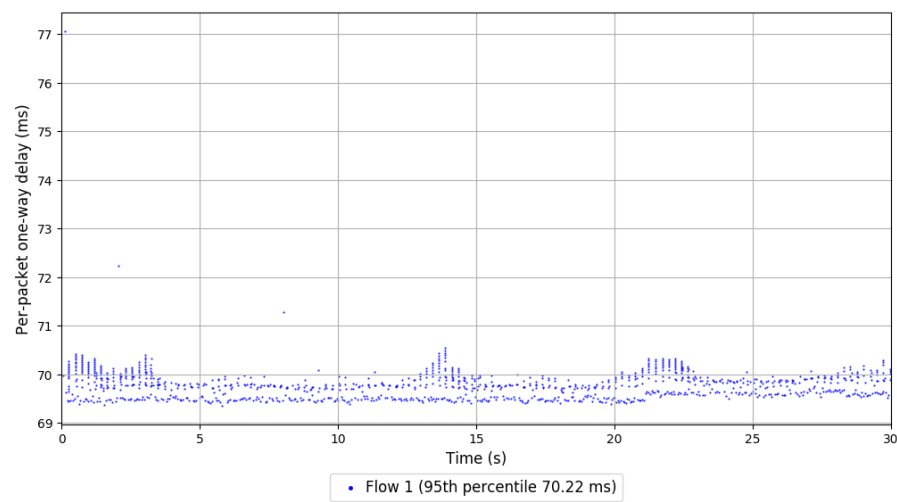
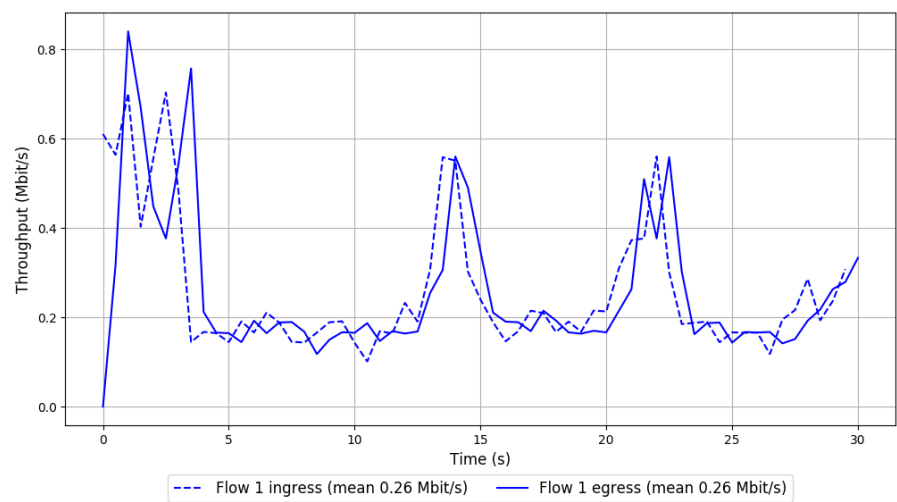


Run 6: Statistics of Sprout

Start at: 2018-08-01 02:15:58  
End at: 2018-08-01 02:16:28  
Local clock offset: -6.176 ms  
Remote clock offset: -24.923 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 70.222 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 70.222 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



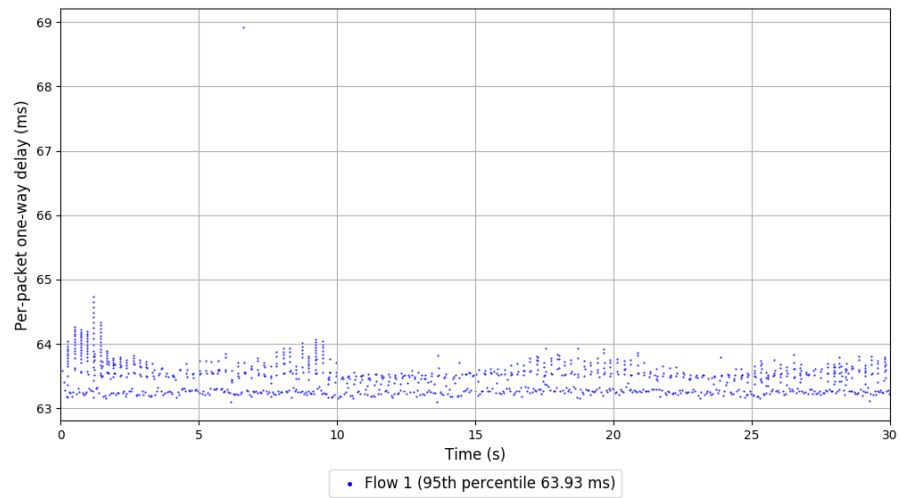
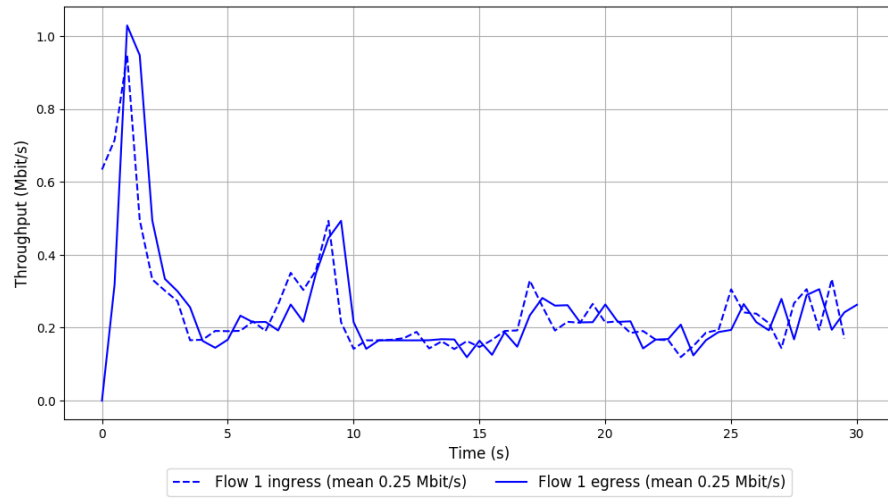
Run 7: Statistics of Sprout

Start at: 2018-08-01 02:44:14  
End at: 2018-08-01 02:44:44  
Local clock offset: -1.39 ms  
Remote clock offset: -27.512 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 63.932 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.25 Mbit/s  
95th percentile per-packet one-way delay: 63.932 ms  
Loss rate: 0.00%



## Run 7: Report of Sprout — Data Link

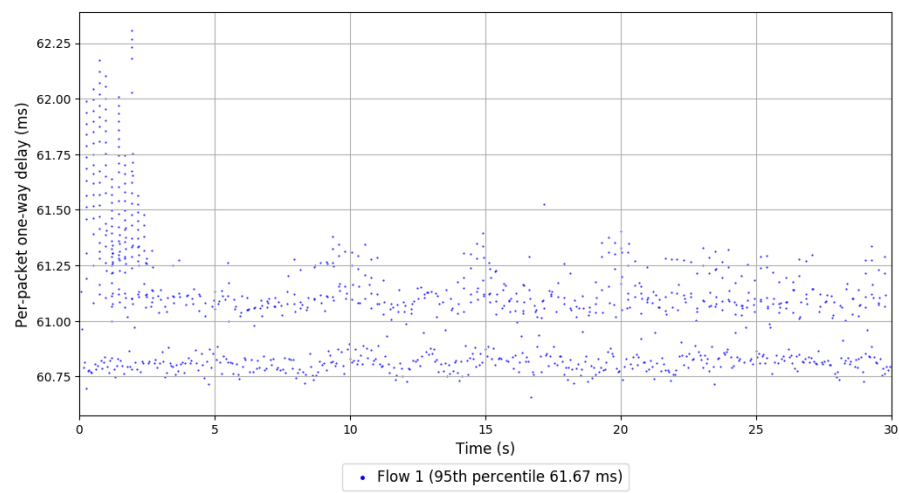
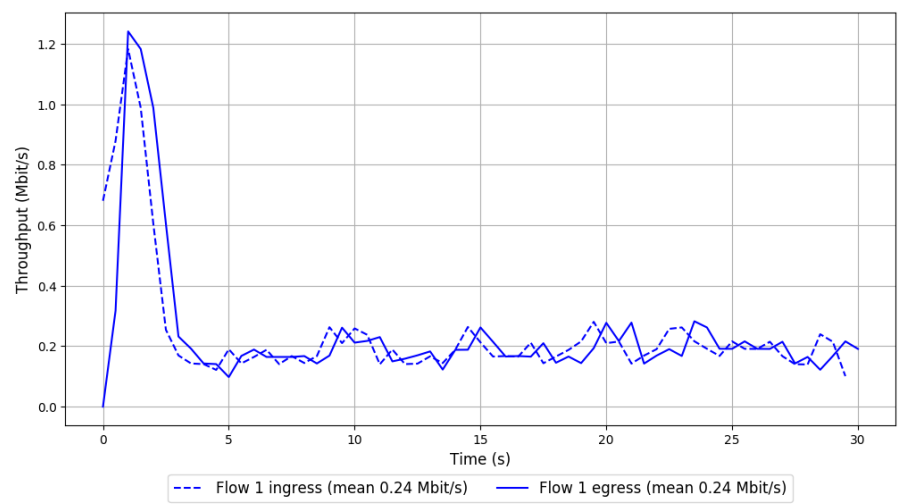


Run 8: Statistics of Sprout

Start at: 2018-08-01 03:06:17  
End at: 2018-08-01 03:06:47  
Local clock offset: 1.525 ms  
Remote clock offset: -26.851 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 61.671 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 61.671 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

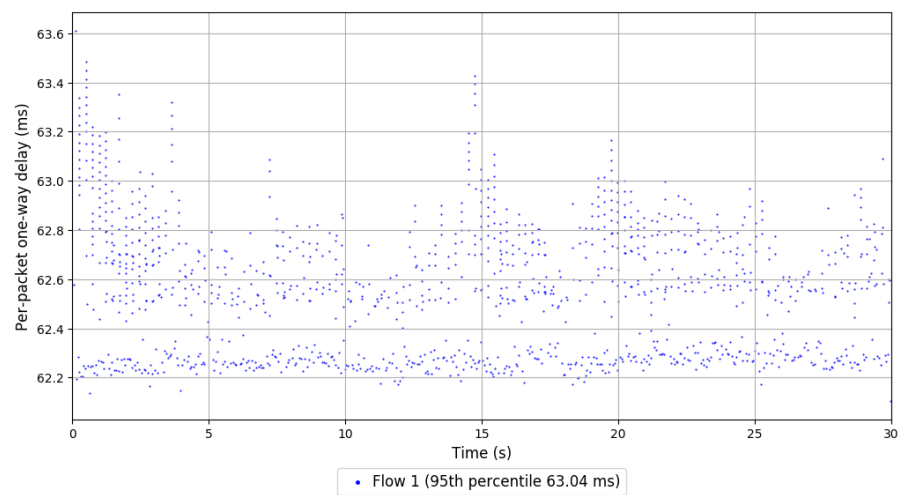
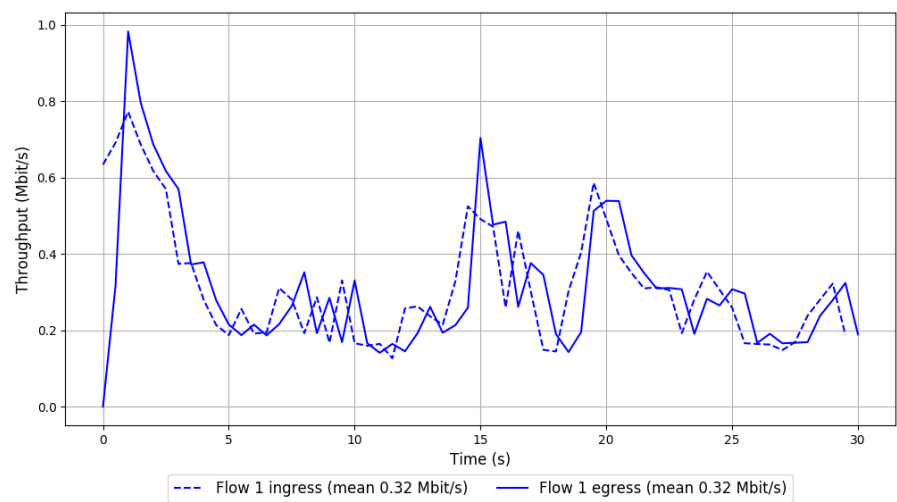


Run 9: Statistics of Sprout

Start at: 2018-08-01 03:28:21  
End at: 2018-08-01 03:28:51  
Local clock offset: 0.984 ms  
Remote clock offset: -29.228 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 63.042 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 63.042 ms  
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

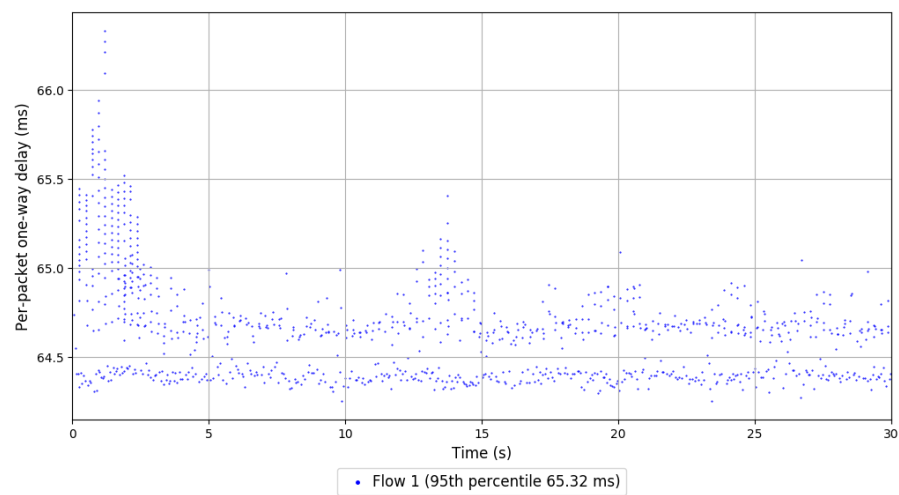
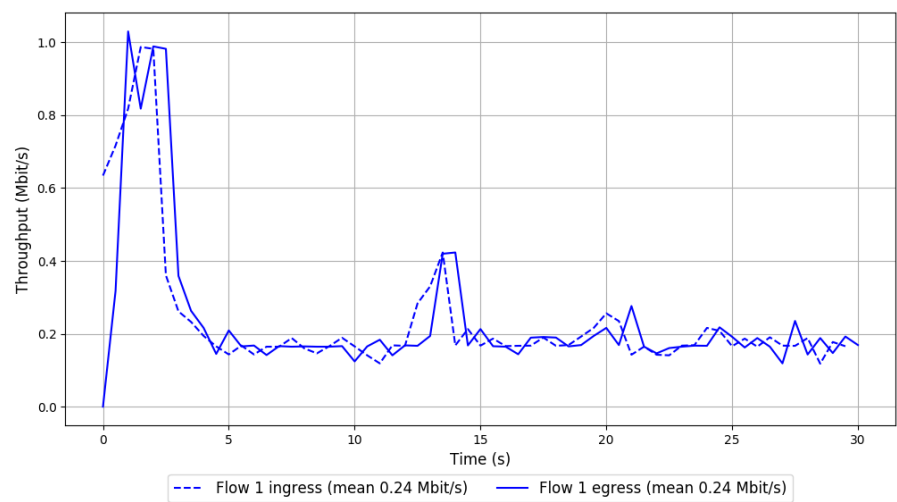


Run 10: Statistics of Sprout

Start at: 2018-08-01 03:50:33  
End at: 2018-08-01 03:51:03  
Local clock offset: 0.857 ms  
Remote clock offset: -25.149 ms

# Below is generated by plot.py at 2018-08-01 04:40:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 65.321 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 65.321 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



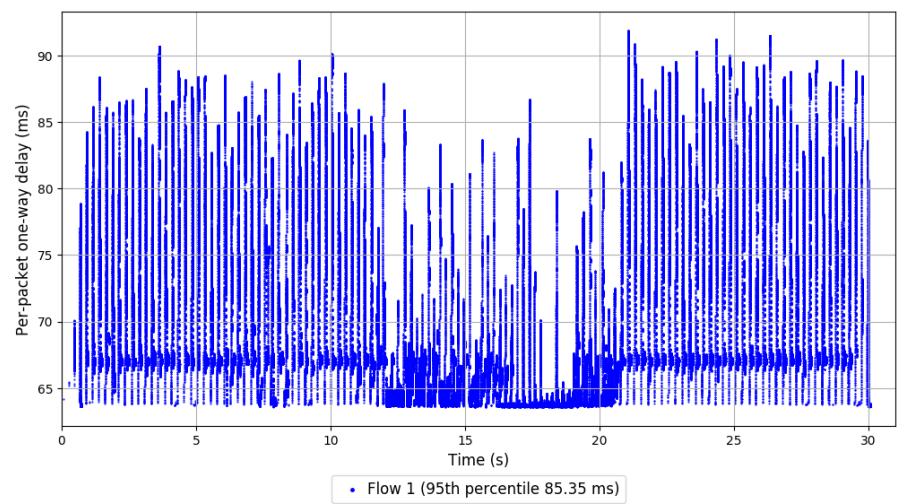
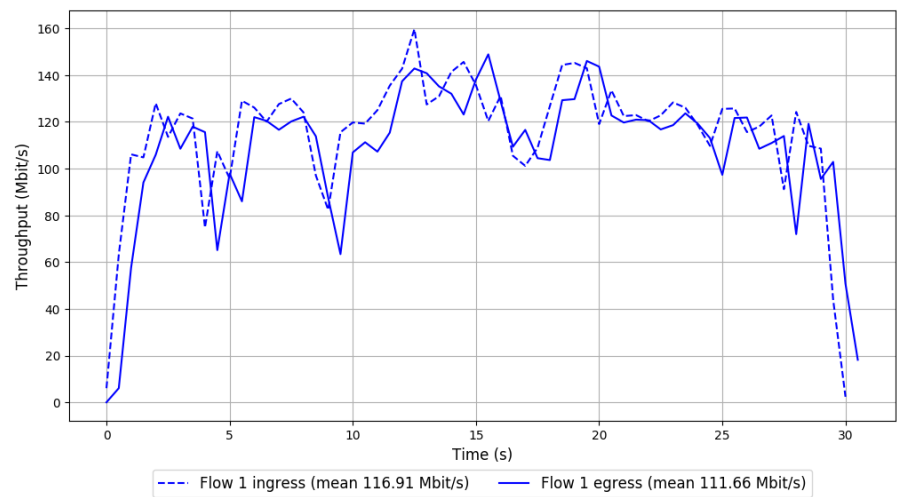
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 00:09:09  
End at: 2018-08-01 00:09:39  
Local clock offset: 4.229 ms  
Remote clock offset: -23.557 ms

# Below is generated by plot.py at 2018-08-01 04:42:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 111.66 Mbit/s  
95th percentile per-packet one-way delay: 85.350 ms  
Loss rate: 4.49%  
-- Flow 1:  
Average throughput: 111.66 Mbit/s  
95th percentile per-packet one-way delay: 85.350 ms  
Loss rate: 4.49%



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

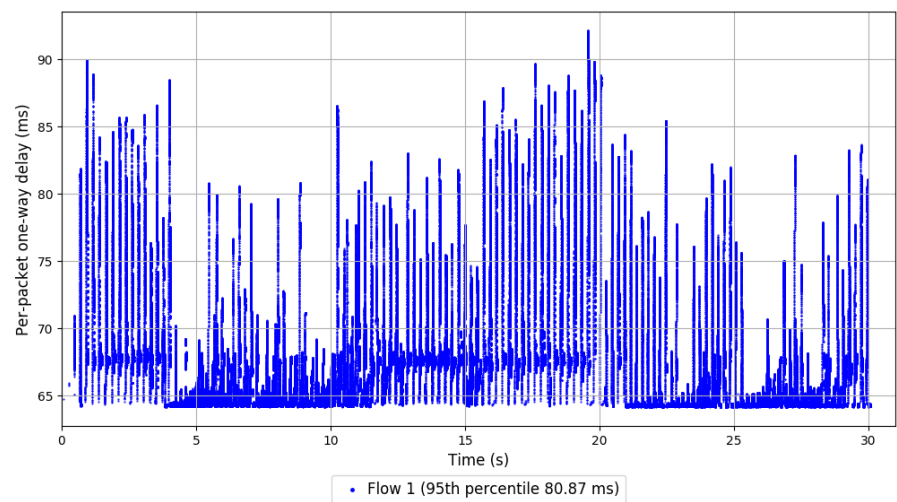
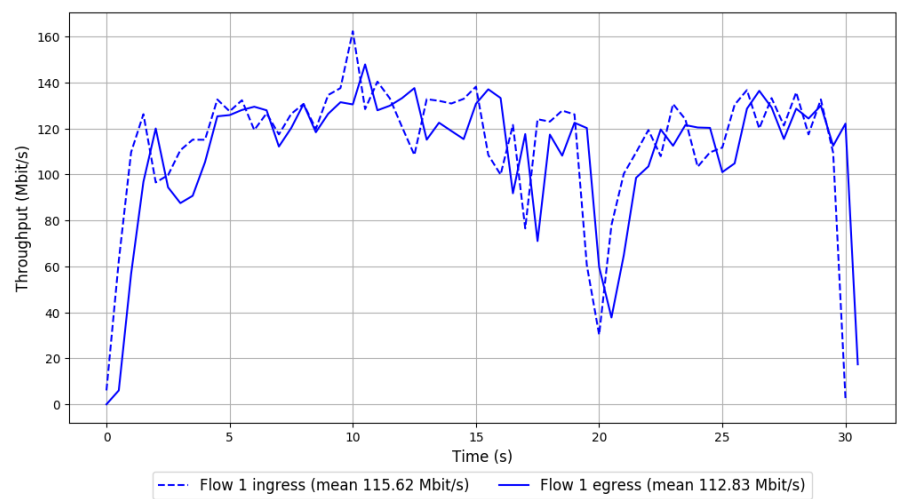


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 00:31:05  
End at: 2018-08-01 00:31:35  
Local clock offset: 1.707 ms  
Remote clock offset: -24.858 ms

# Below is generated by plot.py at 2018-08-01 04:42:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 112.83 Mbit/s  
95th percentile per-packet one-way delay: 80.869 ms  
Loss rate: 2.41%  
-- Flow 1:  
Average throughput: 112.83 Mbit/s  
95th percentile per-packet one-way delay: 80.869 ms  
Loss rate: 2.41%

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

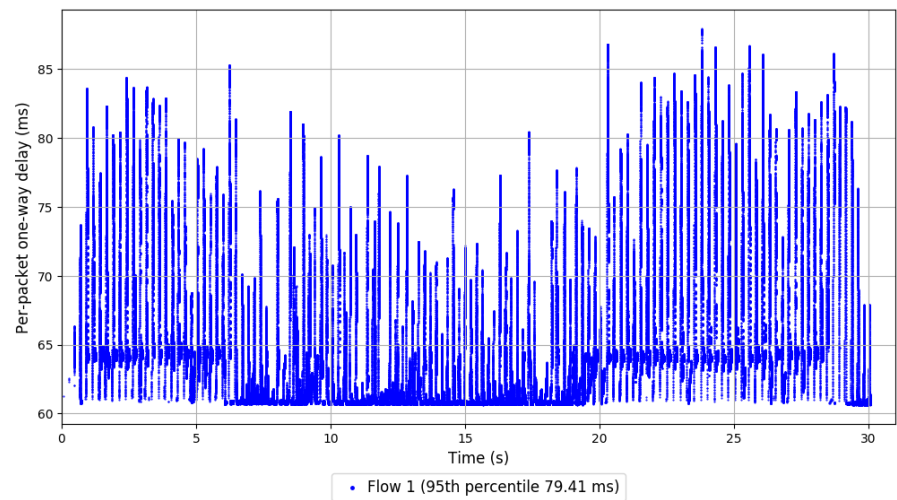
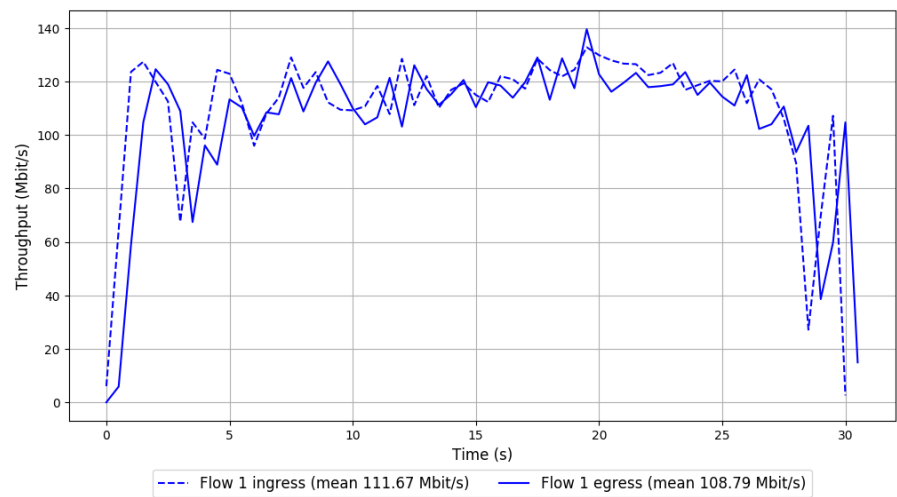


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 00:58:49  
End at: 2018-08-01 00:59:19  
Local clock offset: 2.024 ms  
Remote clock offset: -28.407 ms

# Below is generated by plot.py at 2018-08-01 04:42:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 108.79 Mbit/s  
95th percentile per-packet one-way delay: 79.409 ms  
Loss rate: 2.57%  
-- Flow 1:  
Average throughput: 108.79 Mbit/s  
95th percentile per-packet one-way delay: 79.409 ms  
Loss rate: 2.57%

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

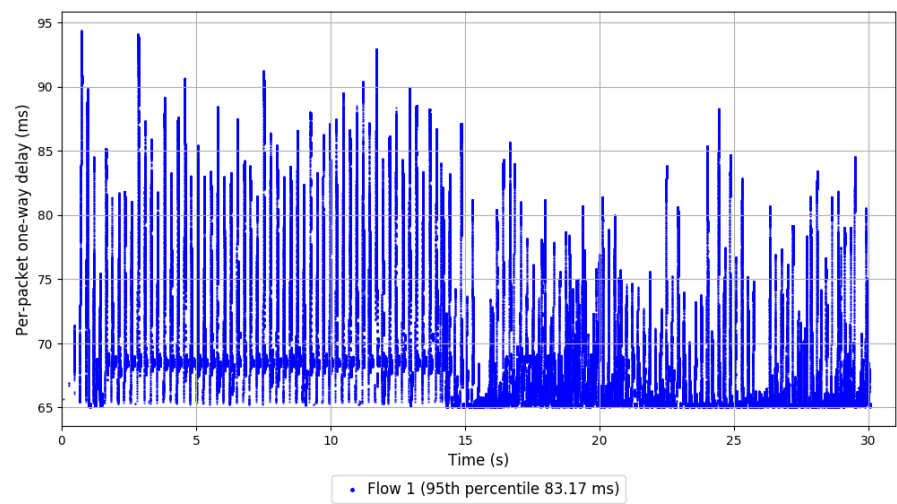
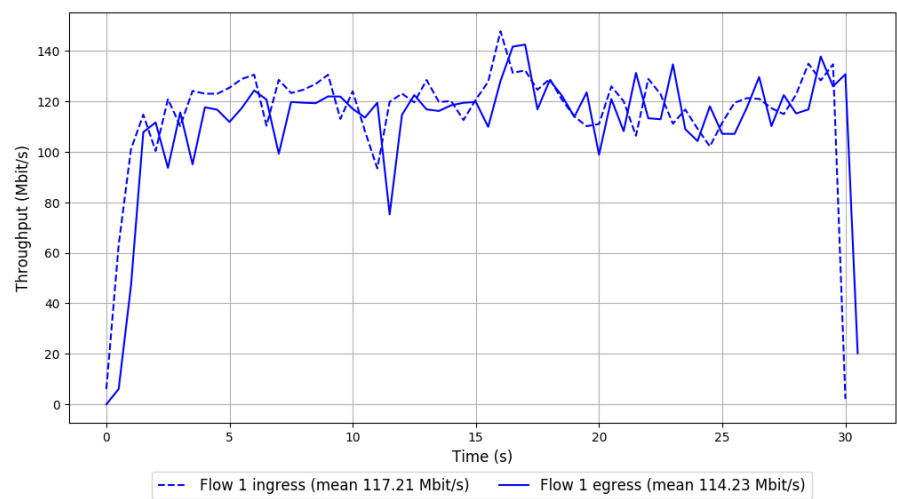


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 01:20:56  
End at: 2018-08-01 01:21:26  
Local clock offset: -0.487 ms  
Remote clock offset: -24.458 ms

# Below is generated by plot.py at 2018-08-01 04:42:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 114.23 Mbit/s  
95th percentile per-packet one-way delay: 83.169 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 114.23 Mbit/s  
95th percentile per-packet one-way delay: 83.169 ms  
Loss rate: 2.55%

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



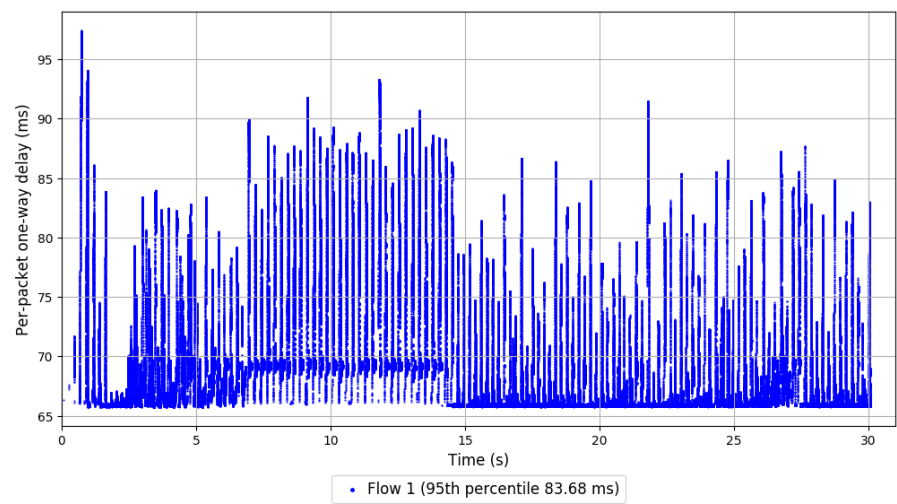
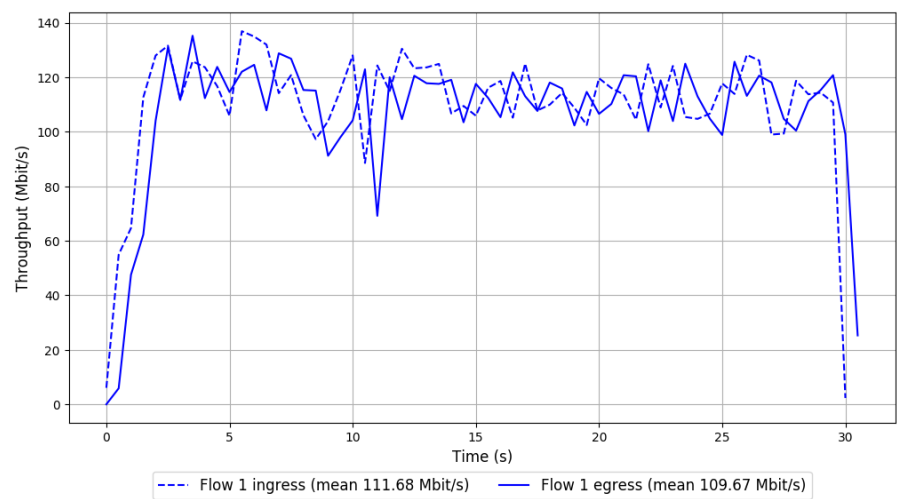
Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 01:43:01  
End at: 2018-08-01 01:43:31  
Local clock offset: 0.218 ms  
Remote clock offset: -23.107 ms

# Below is generated by plot.py at 2018-08-01 04:42:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 109.67 Mbit/s  
95th percentile per-packet one-way delay: 83.676 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 109.67 Mbit/s  
95th percentile per-packet one-way delay: 83.676 ms  
Loss rate: 1.81%



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

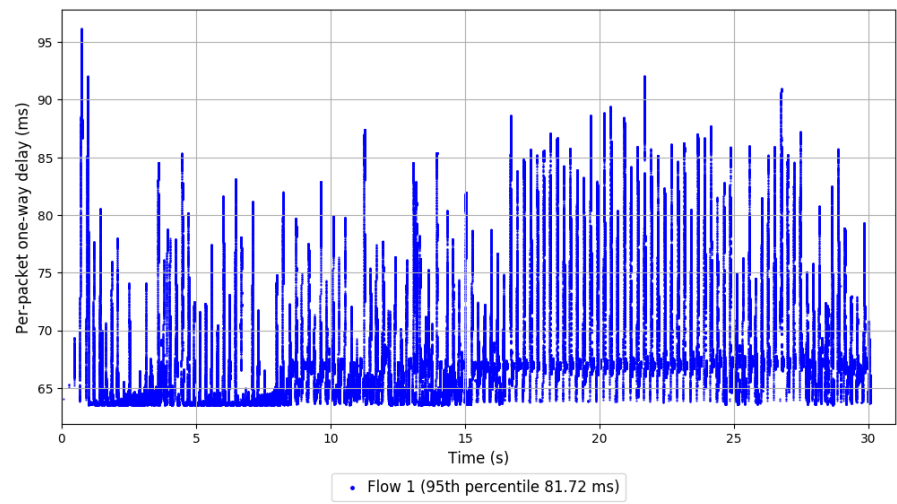
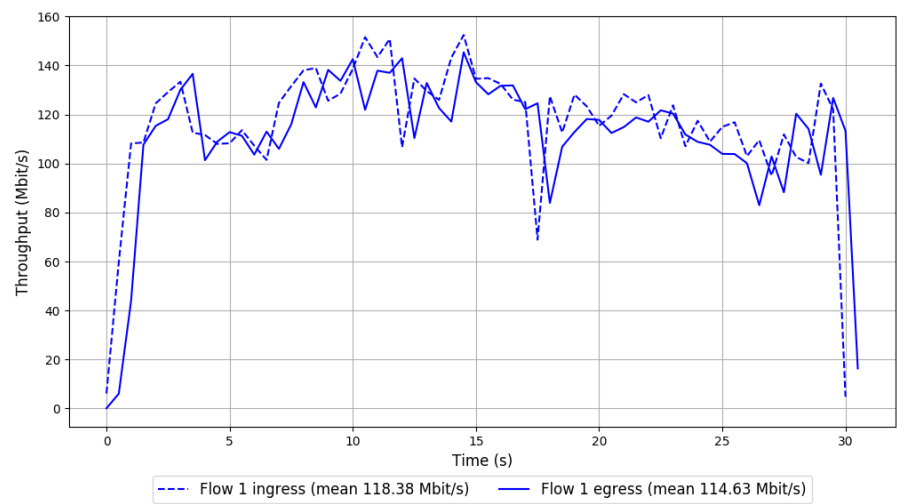


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 02:10:45  
End at: 2018-08-01 02:11:15  
Local clock offset: 1.021 ms  
Remote clock offset: -26.439 ms

# Below is generated by plot.py at 2018-08-01 04:42:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 114.63 Mbit/s  
95th percentile per-packet one-way delay: 81.718 ms  
Loss rate: 3.16%  
-- Flow 1:  
Average throughput: 114.63 Mbit/s  
95th percentile per-packet one-way delay: 81.718 ms  
Loss rate: 3.16%

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

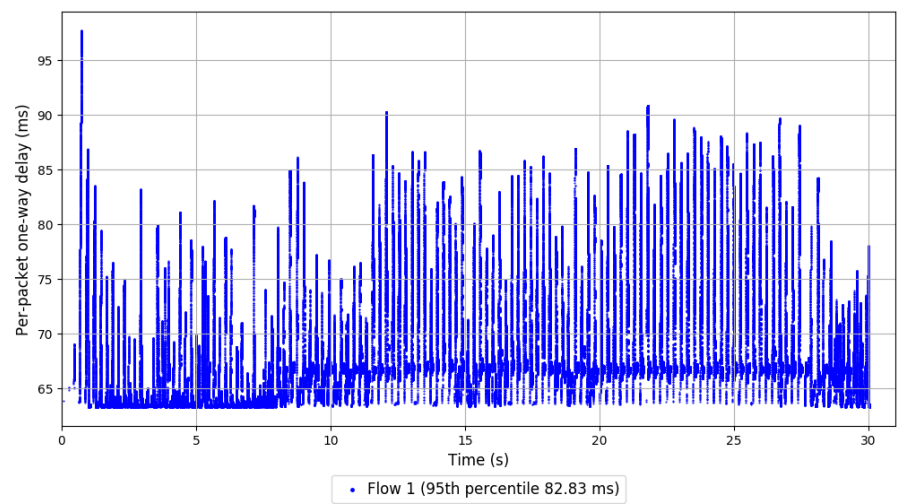
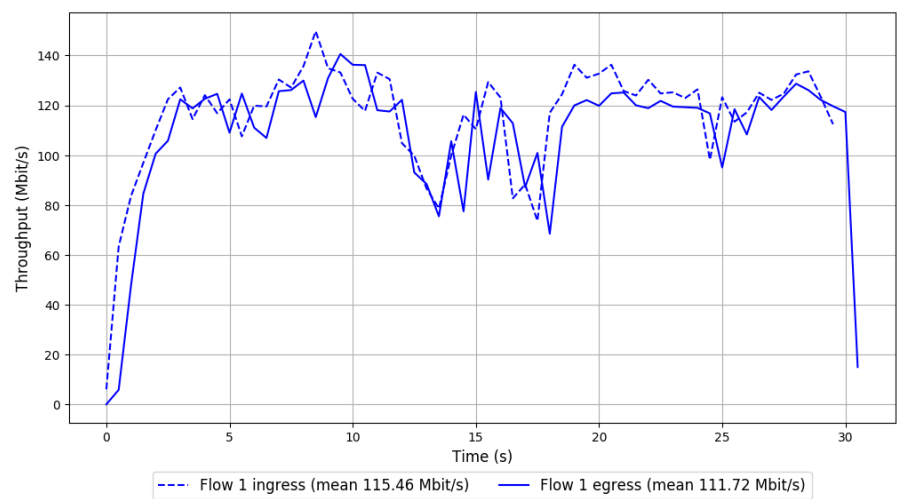


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 02:32:53  
End at: 2018-08-01 02:33:24  
Local clock offset: -1.795 ms  
Remote clock offset: -27.182 ms

# Below is generated by plot.py at 2018-08-01 04:42:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 111.72 Mbit/s  
95th percentile per-packet one-way delay: 82.831 ms  
Loss rate: 3.24%  
-- Flow 1:  
Average throughput: 111.72 Mbit/s  
95th percentile per-packet one-way delay: 82.831 ms  
Loss rate: 3.24%

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

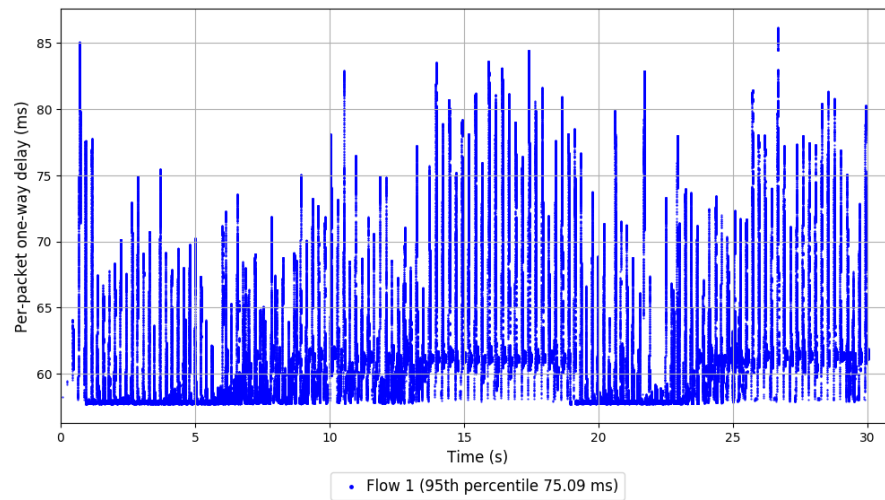
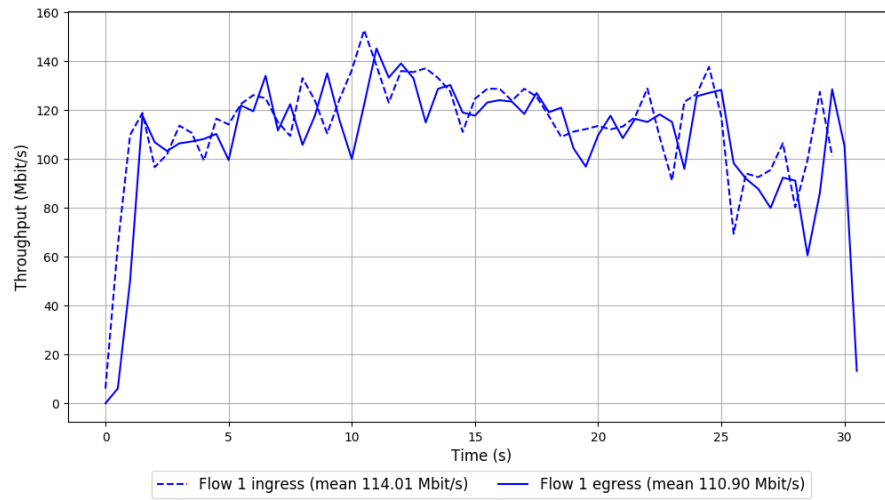


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 03:01:04  
End at: 2018-08-01 03:01:34  
Local clock offset: 1.649 ms  
Remote clock offset: -29.909 ms

# Below is generated by plot.py at 2018-08-01 04:43:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 110.90 Mbit/s  
95th percentile per-packet one-way delay: 75.093 ms  
Loss rate: 2.72%  
-- Flow 1:  
Average throughput: 110.90 Mbit/s  
95th percentile per-packet one-way delay: 75.093 ms  
Loss rate: 2.72%

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



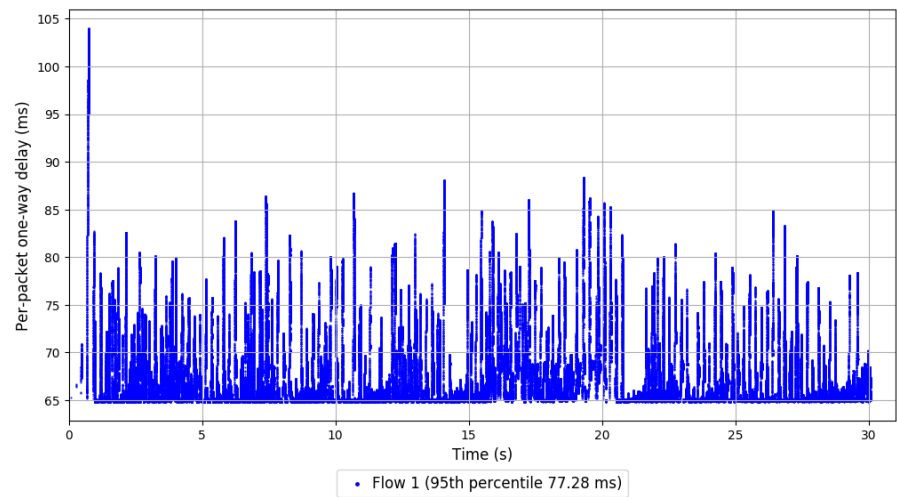
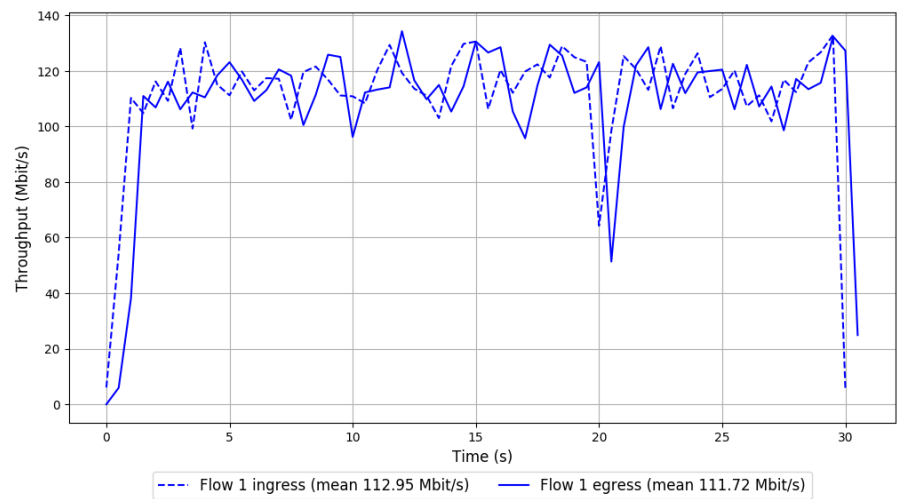
Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 03:23:08  
End at: 2018-08-01 03:23:38  
Local clock offset: 0.332 ms  
Remote clock offset: -27.139 ms

# Below is generated by plot.py at 2018-08-01 04:44:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 111.72 Mbit/s  
95th percentile per-packet one-way delay: 77.284 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 111.72 Mbit/s  
95th percentile per-packet one-way delay: 77.284 ms  
Loss rate: 1.09%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 03:45:21

End at: 2018-08-01 03:45:51

Local clock offset: 2.966 ms

Remote clock offset: -23.583 ms

# Below is generated by plot.py at 2018-08-01 04:44:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 109.64 Mbit/s

95th percentile per-packet one-way delay: 86.044 ms

Loss rate: 3.62%

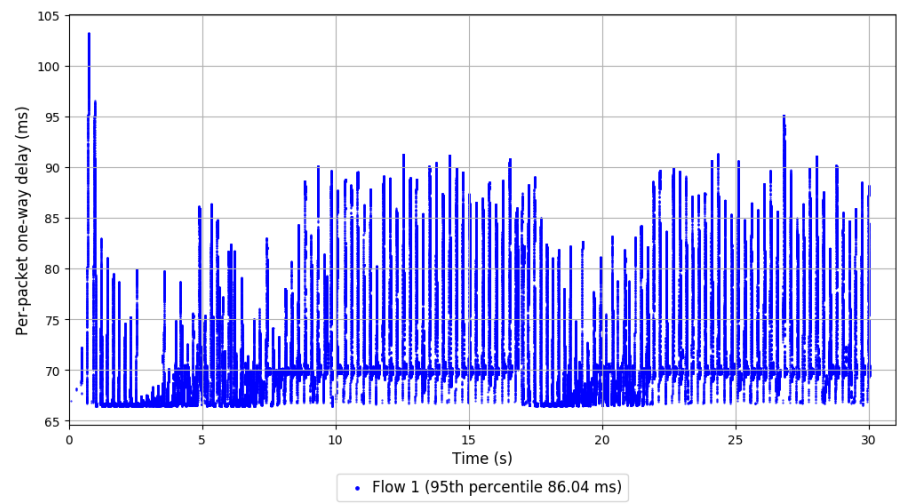
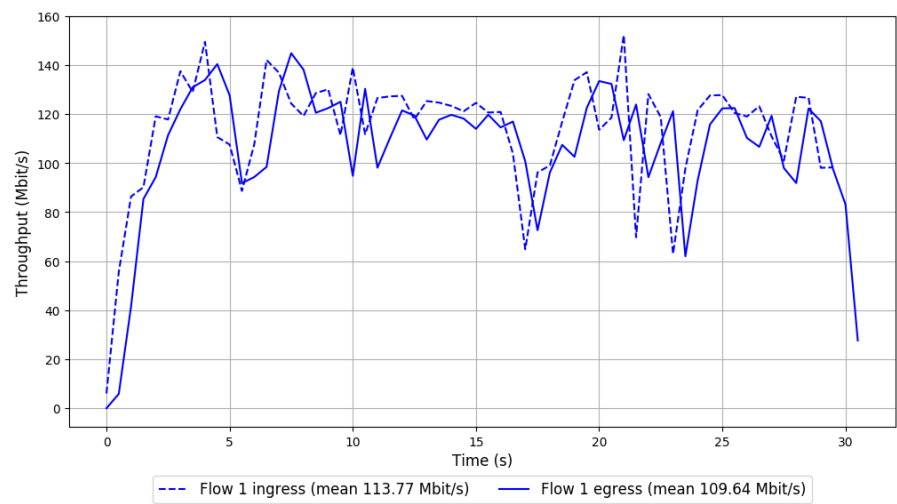
-- Flow 1:

Average throughput: 109.64 Mbit/s

95th percentile per-packet one-way delay: 86.044 ms

Loss rate: 3.62%

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

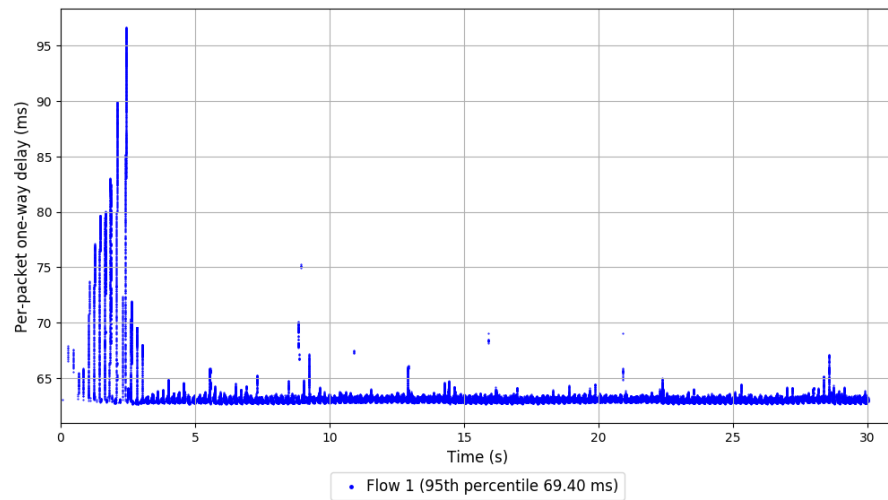
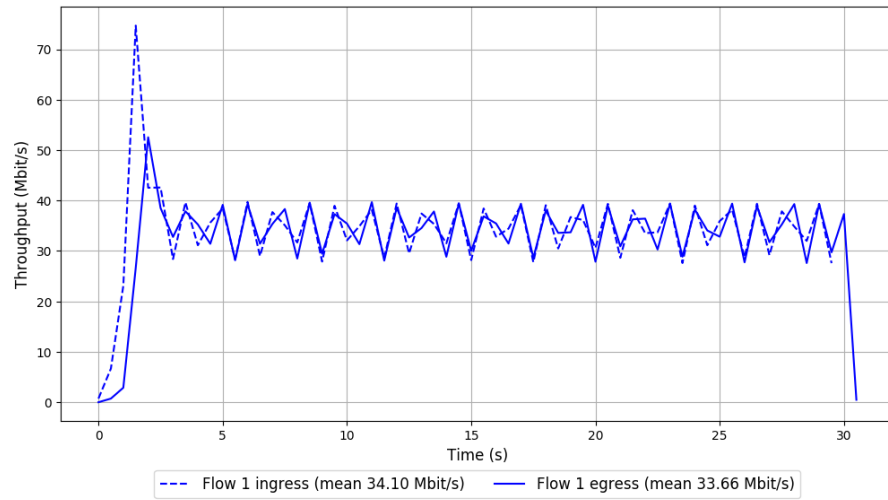


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 00:11:55  
End at: 2018-08-01 00:12:25  
Local clock offset: 3.635 ms  
Remote clock offset: -25.232 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.66 Mbit/s  
95th percentile per-packet one-way delay: 69.401 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 33.66 Mbit/s  
95th percentile per-packet one-way delay: 69.401 ms  
Loss rate: 1.29%

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

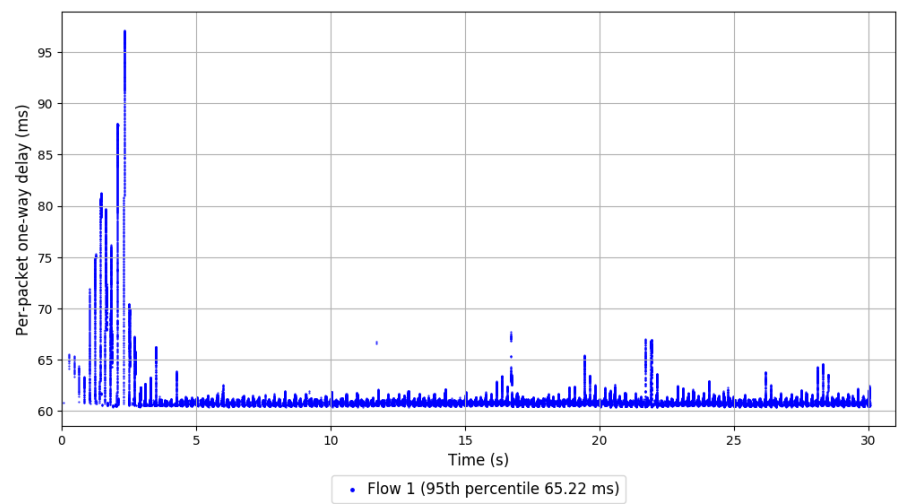
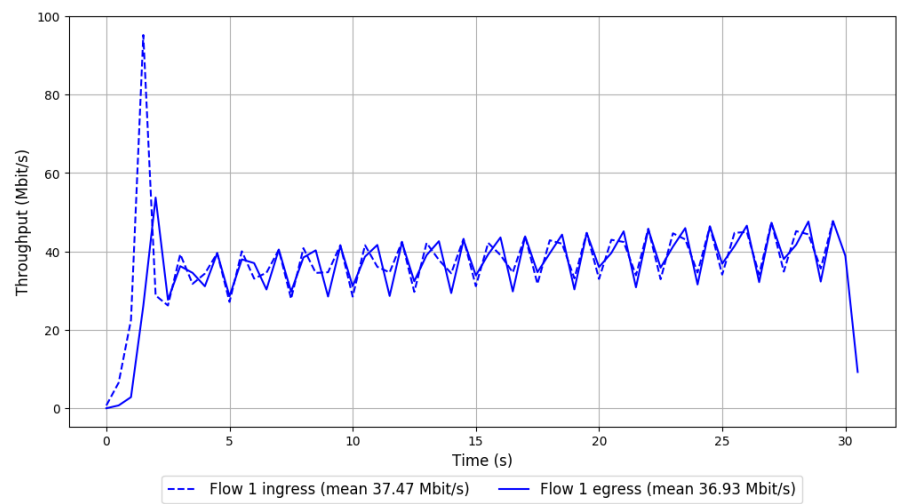


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 00:33:53  
End at: 2018-08-01 00:34:23  
Local clock offset: 3.288 ms  
Remote clock offset: -26.991 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.93 Mbit/s  
95th percentile per-packet one-way delay: 65.217 ms  
Loss rate: 1.45%  
-- Flow 1:  
Average throughput: 36.93 Mbit/s  
95th percentile per-packet one-way delay: 65.217 ms  
Loss rate: 1.45%

Run 2: Report of TCP Vegas — Data Link



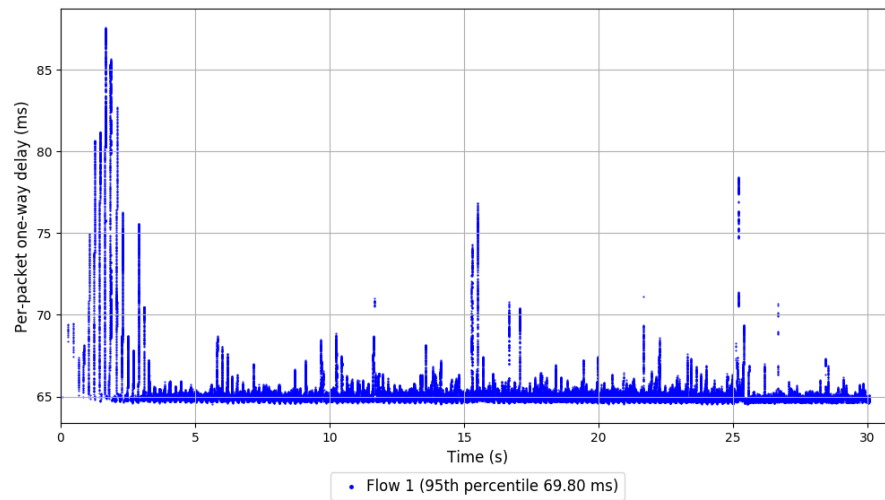
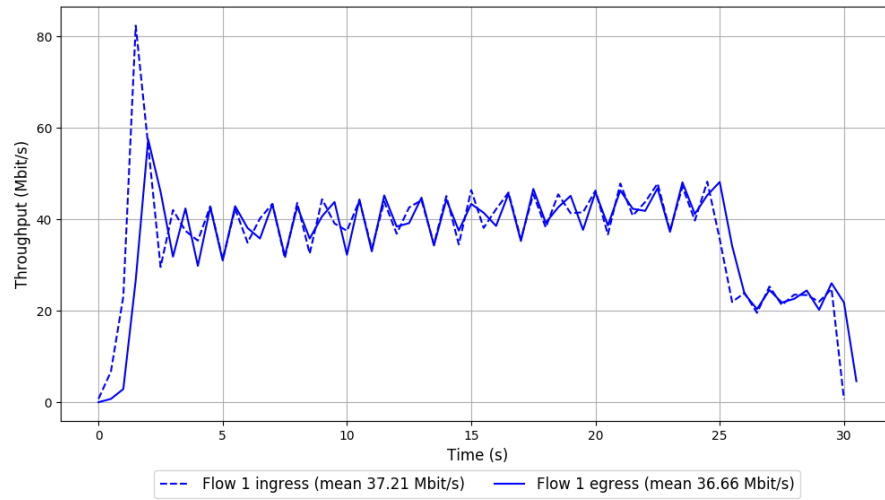
Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 01:01:36  
End at: 2018-08-01 01:02:06  
Local clock offset: -2.897 ms  
Remote clock offset: -26.142 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.66 Mbit/s  
95th percentile per-packet one-way delay: 69.799 ms  
Loss rate: 1.47%  
-- Flow 1:  
Average throughput: 36.66 Mbit/s  
95th percentile per-packet one-way delay: 69.799 ms  
Loss rate: 1.47%



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

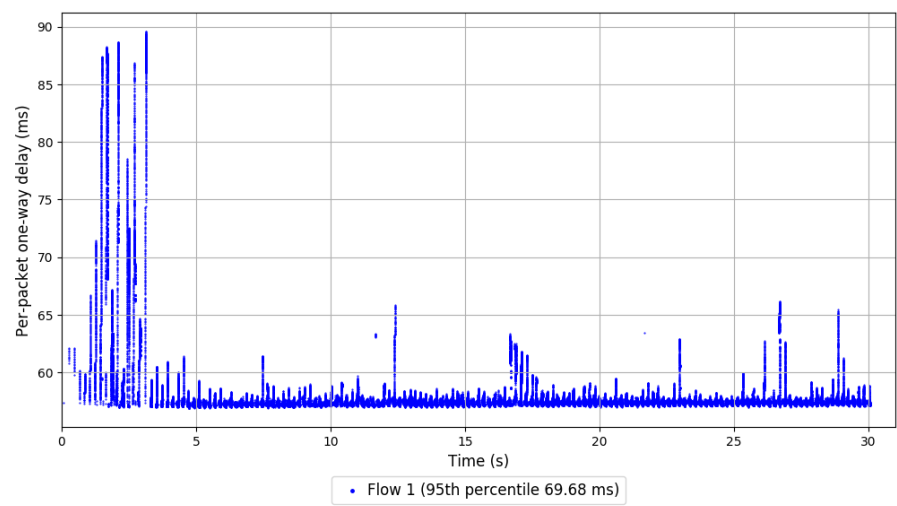
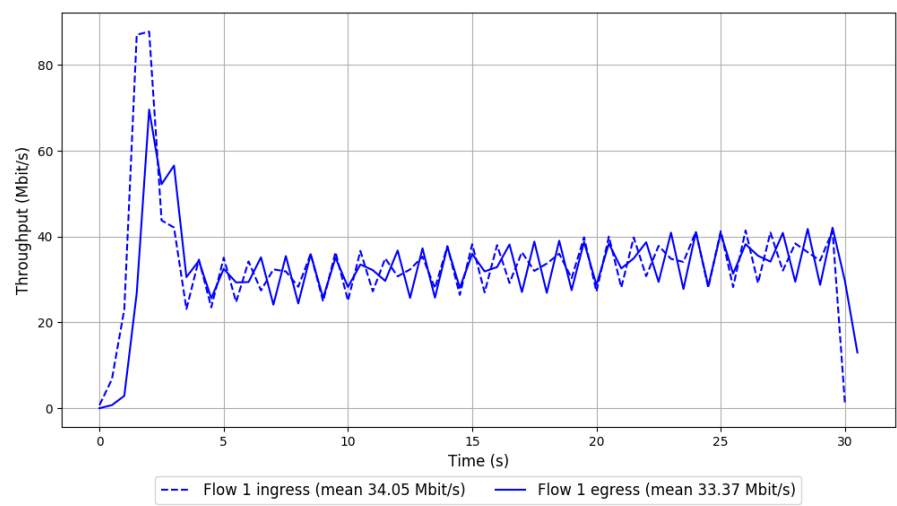


Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 01:23:43  
End at: 2018-08-01 01:24:13  
Local clock offset: -0.171 ms  
Remote clock offset: -32.711 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.37 Mbit/s  
95th percentile per-packet one-way delay: 69.679 ms  
Loss rate: 1.99%  
-- Flow 1:  
Average throughput: 33.37 Mbit/s  
95th percentile per-packet one-way delay: 69.679 ms  
Loss rate: 1.99%

Run 4: Report of TCP Vegas — Data Link

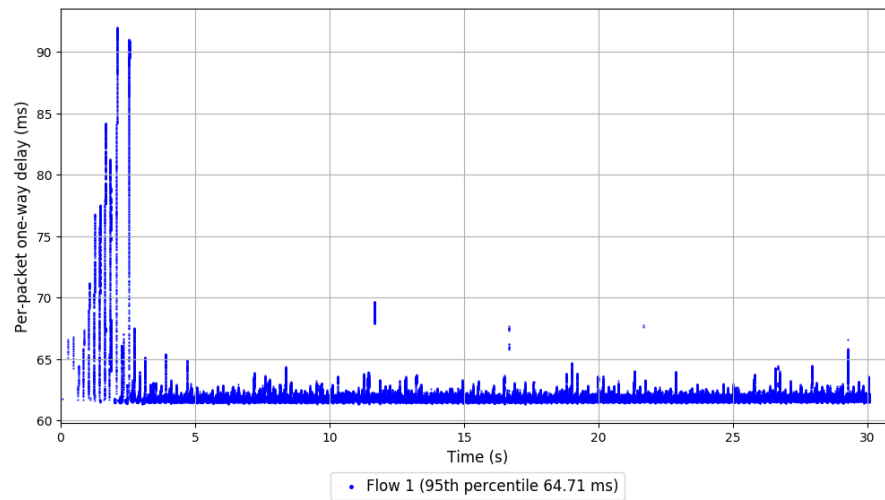
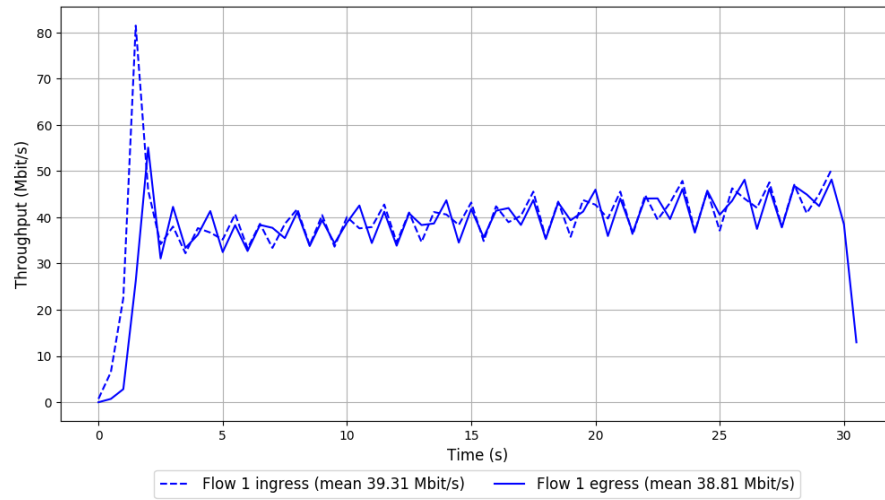


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 01:51:20  
End at: 2018-08-01 01:51:50  
Local clock offset: 3.553 ms  
Remote clock offset: -24.731 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.81 Mbit/s  
95th percentile per-packet one-way delay: 64.712 ms  
Loss rate: 1.26%  
-- Flow 1:  
Average throughput: 38.81 Mbit/s  
95th percentile per-packet one-way delay: 64.712 ms  
Loss rate: 1.26%

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

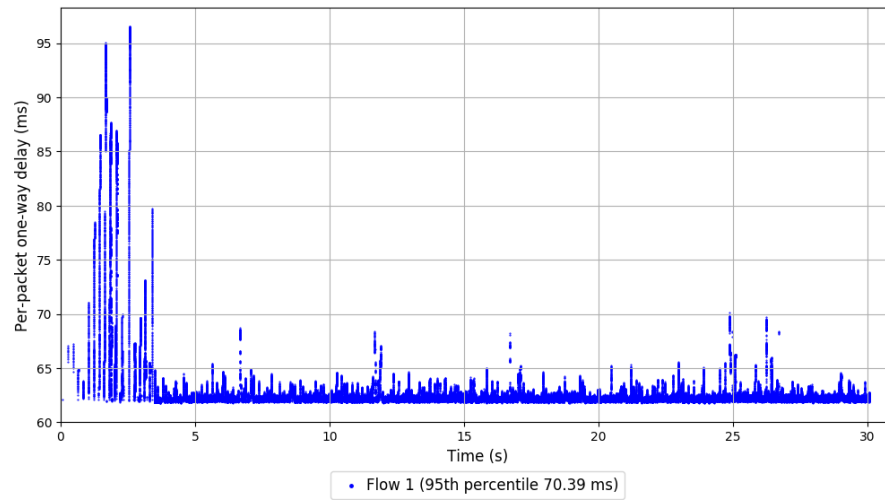
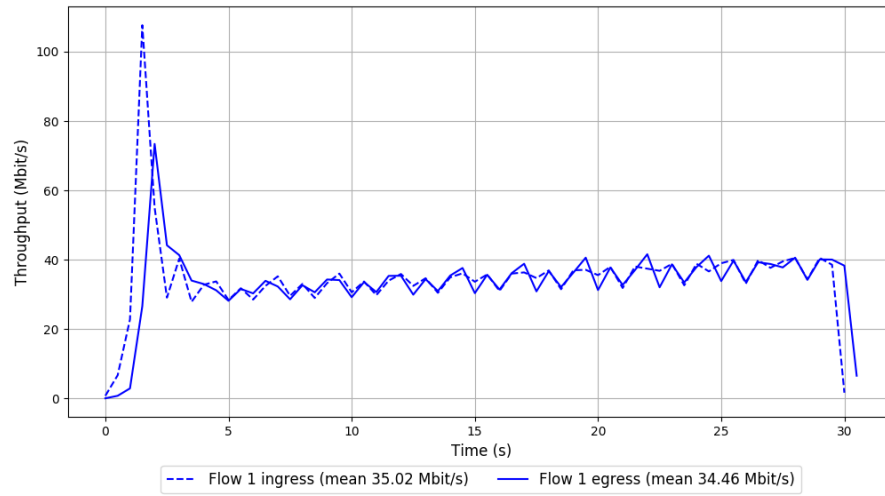


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 02:13:33  
End at: 2018-08-01 02:14:03  
Local clock offset: -1.66 ms  
Remote clock offset: -28.627 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.46 Mbit/s  
95th percentile per-packet one-way delay: 70.385 ms  
Loss rate: 1.62%  
-- Flow 1:  
Average throughput: 34.46 Mbit/s  
95th percentile per-packet one-way delay: 70.385 ms  
Loss rate: 1.62%

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



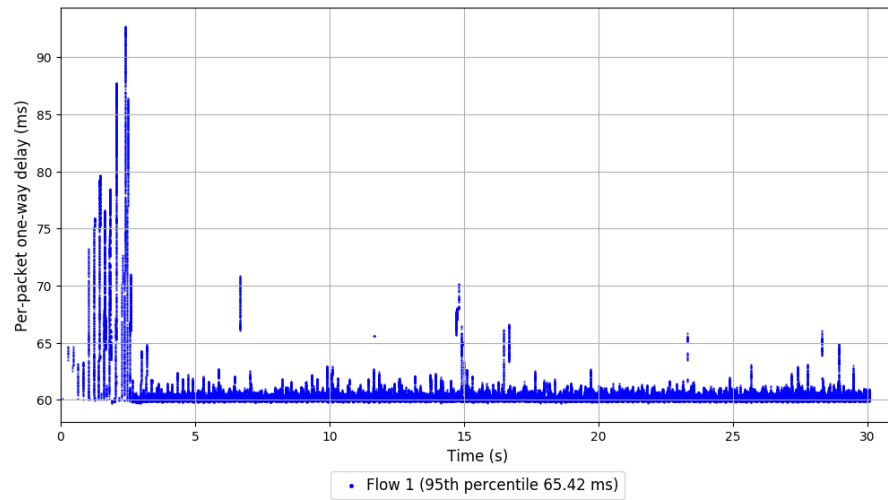
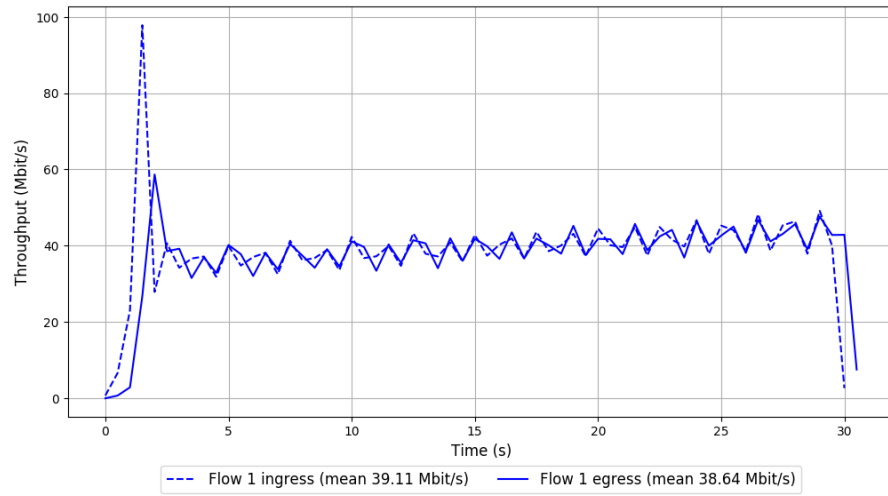
Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 02:41:42  
End at: 2018-08-01 02:42:12  
Local clock offset: 0.849 ms  
Remote clock offset: -28.027 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.64 Mbit/s  
95th percentile per-packet one-way delay: 65.419 ms  
Loss rate: 1.20%  
-- Flow 1:  
Average throughput: 38.64 Mbit/s  
95th percentile per-packet one-way delay: 65.419 ms  
Loss rate: 1.20%



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

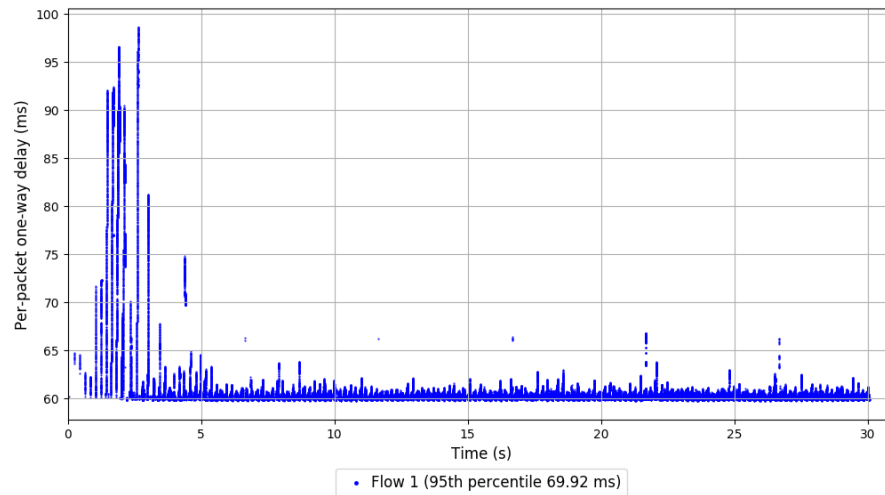
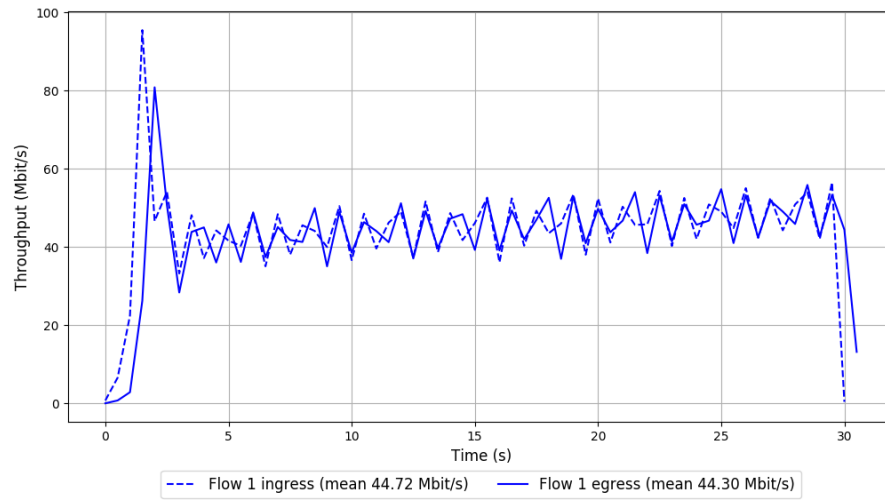


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 03:03:52  
End at: 2018-08-01 03:04:22  
Local clock offset: 1.793 ms  
Remote clock offset: -28.028 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.30 Mbit/s  
95th percentile per-packet one-way delay: 69.917 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 44.30 Mbit/s  
95th percentile per-packet one-way delay: 69.917 ms  
Loss rate: 0.94%

# Run 8: Report of TCP Vegas — Data Link

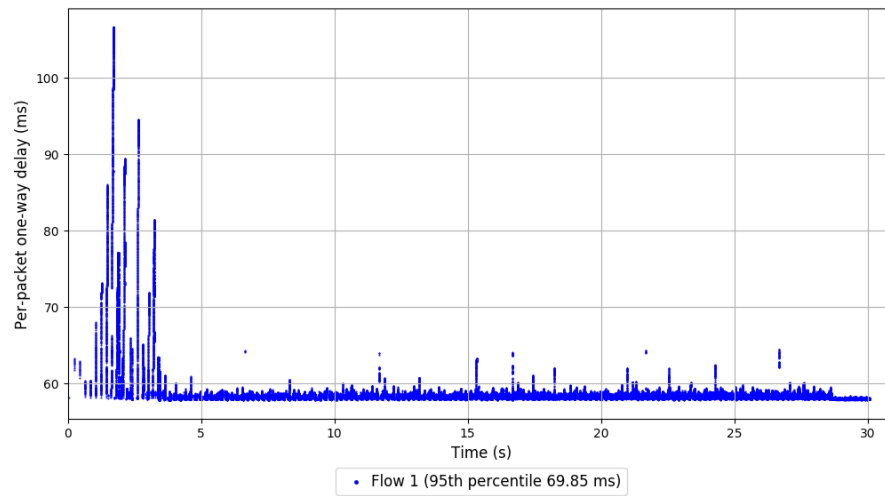
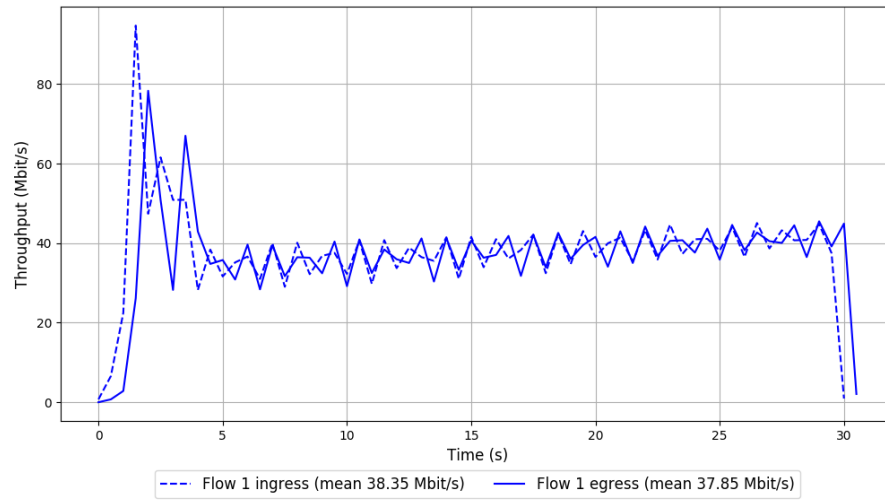


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 03:25:56  
End at: 2018-08-01 03:26:26  
Local clock offset: 1.291 ms  
Remote clock offset: -33.343 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.85 Mbit/s  
95th percentile per-packet one-way delay: 69.848 ms  
Loss rate: 1.31%  
-- Flow 1:  
Average throughput: 37.85 Mbit/s  
95th percentile per-packet one-way delay: 69.848 ms  
Loss rate: 1.31%

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

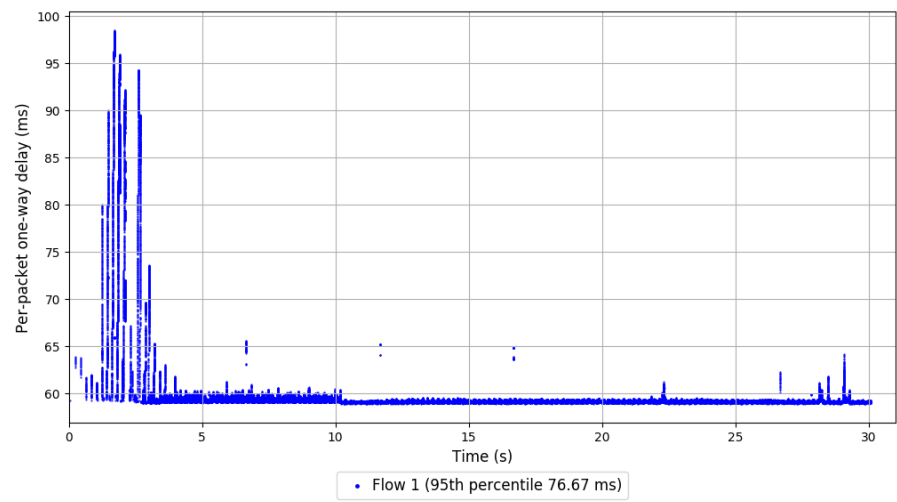
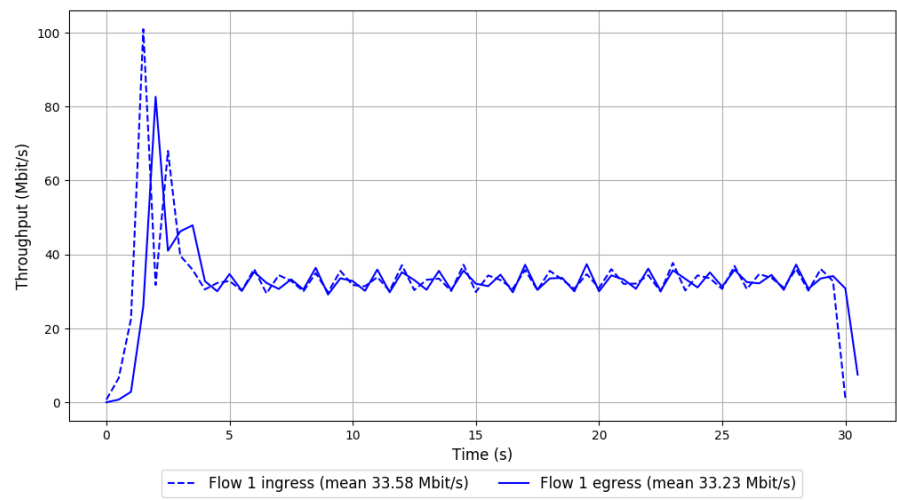


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 03:48:07  
End at: 2018-08-01 03:48:37  
Local clock offset: 1.221 ms  
Remote clock offset: -29.962 ms

# Below is generated by plot.py at 2018-08-01 04:44:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.23 Mbit/s  
95th percentile per-packet one-way delay: 76.668 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 33.23 Mbit/s  
95th percentile per-packet one-way delay: 76.668 ms  
Loss rate: 1.04%

Run 10: Report of TCP Vegas — Data Link



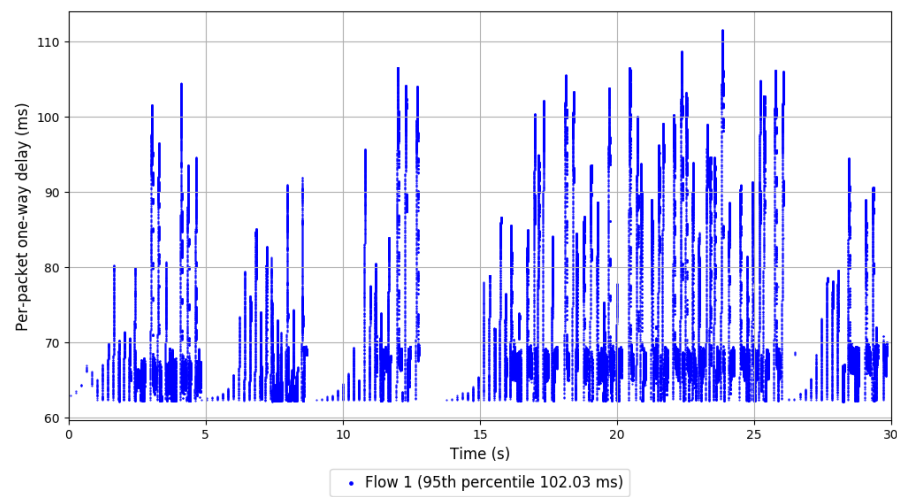
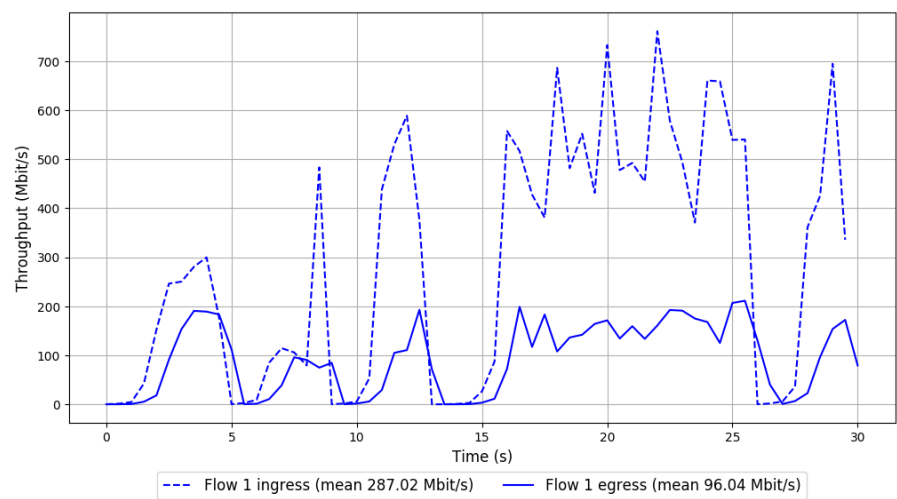
Run 1: Statistics of Verus

Start at: 2018-08-01 00:05:08  
End at: 2018-08-01 00:05:38  
Local clock offset: 3.835 ms  
Remote clock offset: -25.708 ms

# Below is generated by plot.py at 2018-08-01 04:45:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.04 Mbit/s  
95th percentile per-packet one-way delay: 102.034 ms  
Loss rate: 66.53%  
-- Flow 1:  
Average throughput: 96.04 Mbit/s  
95th percentile per-packet one-way delay: 102.034 ms  
Loss rate: 66.53%



Run 1: Report of Verus — Data Link

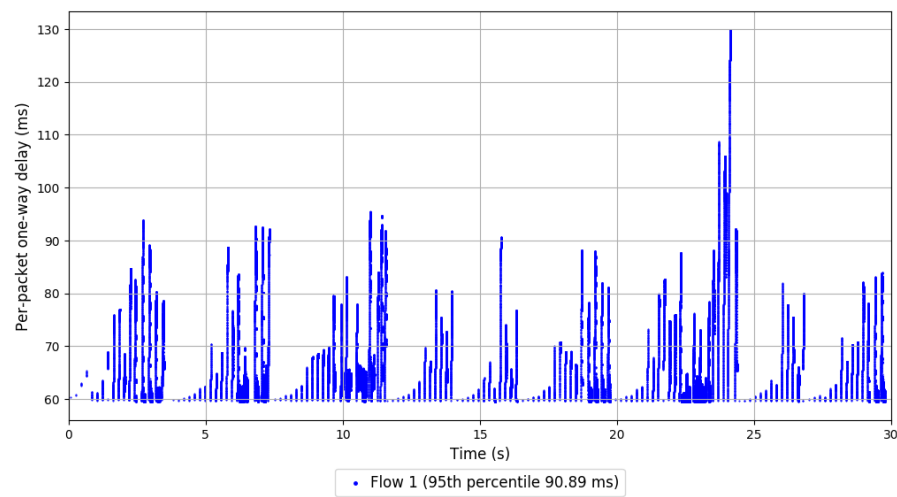
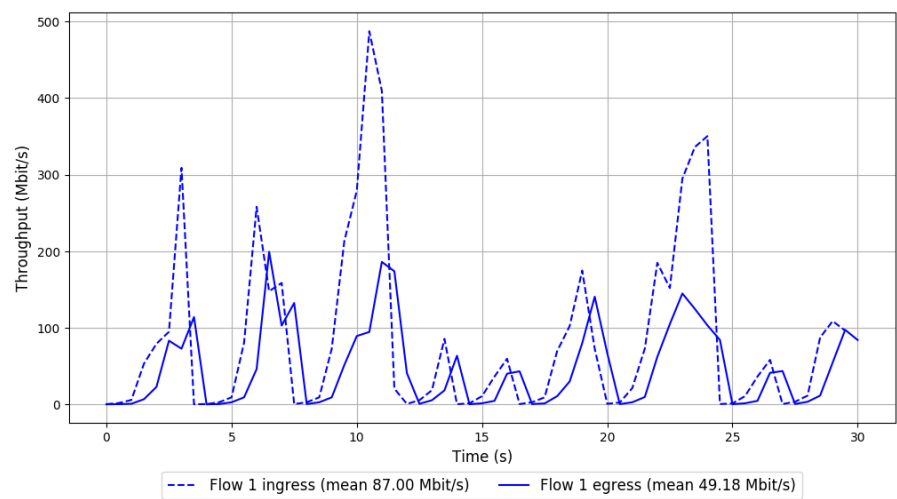


Run 2: Statistics of Verus

Start at: 2018-08-01 00:27:12  
End at: 2018-08-01 00:27:42  
Local clock offset: 2.23 ms  
Remote clock offset: -29.556 ms

# Below is generated by plot.py at 2018-08-01 04:45:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.18 Mbit/s  
95th percentile per-packet one-way delay: 90.890 ms  
Loss rate: 43.48%  
-- Flow 1:  
Average throughput: 49.18 Mbit/s  
95th percentile per-packet one-way delay: 90.890 ms  
Loss rate: 43.48%

Run 2: Report of Verus — Data Link

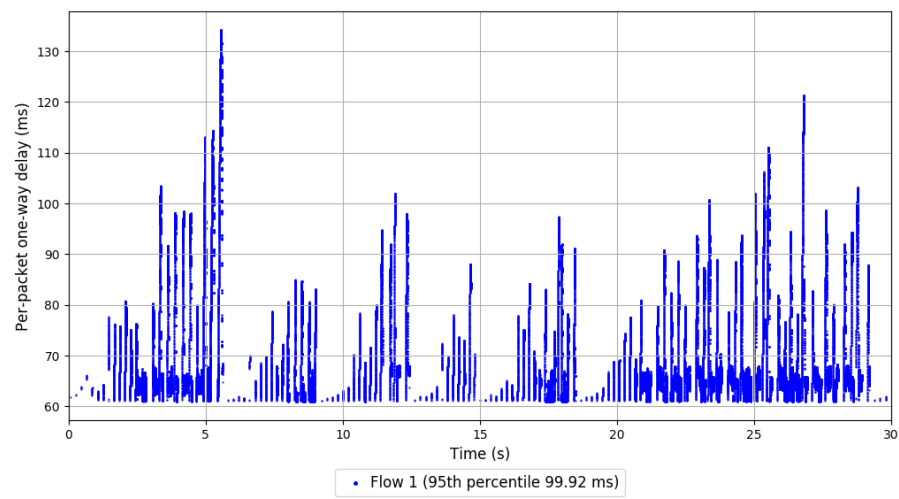
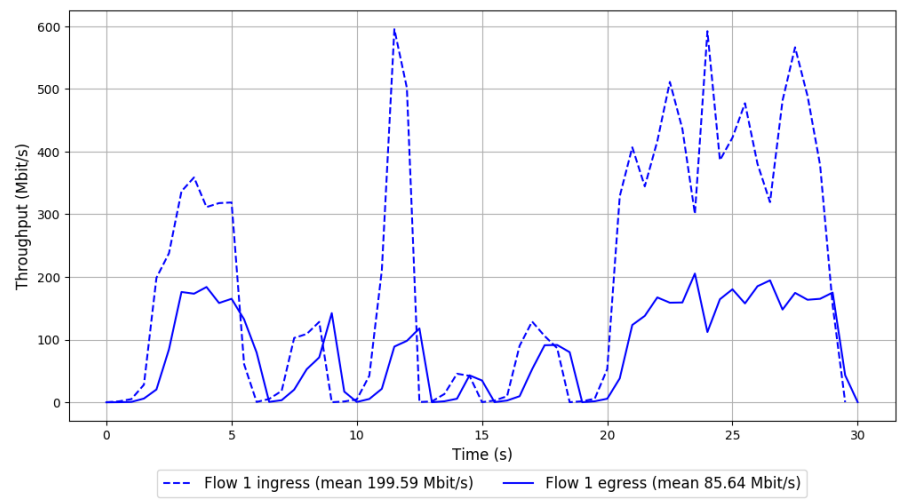


Run 3: Statistics of Verus

Start at: 2018-08-01 00:49:17  
End at: 2018-08-01 00:49:47  
Local clock offset: 3.442 ms  
Remote clock offset: -28.757 ms

# Below is generated by plot.py at 2018-08-01 04:45:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.64 Mbit/s  
95th percentile per-packet one-way delay: 99.920 ms  
Loss rate: 57.09%  
-- Flow 1:  
Average throughput: 85.64 Mbit/s  
95th percentile per-packet one-way delay: 99.920 ms  
Loss rate: 57.09%

Run 3: Report of Verus — Data Link

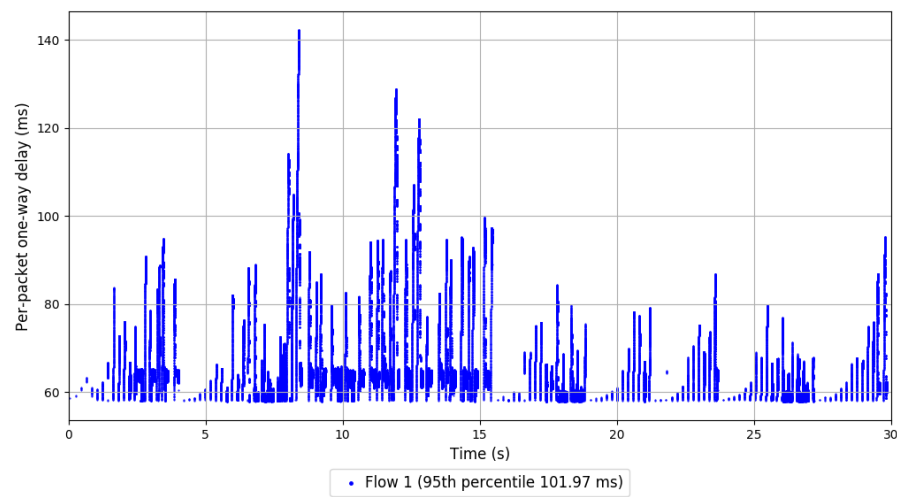
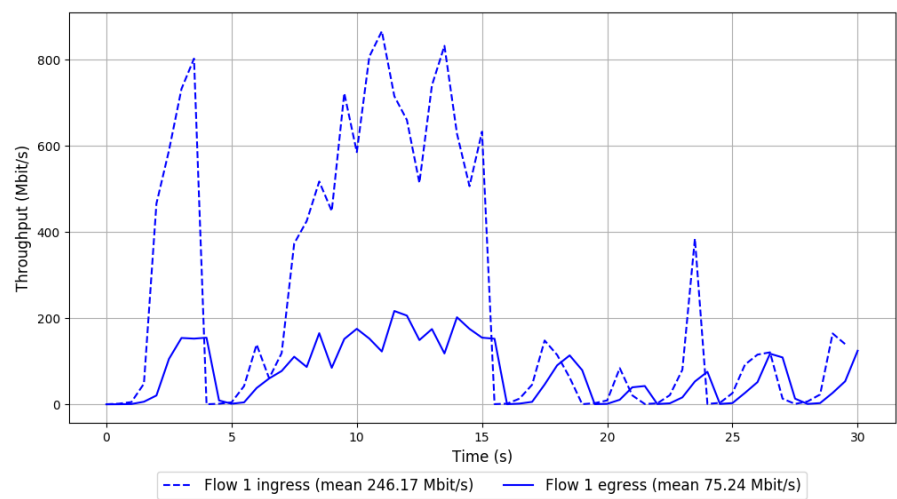


Run 4: Statistics of Verus

Start at: 2018-08-01 01:16:59  
End at: 2018-08-01 01:17:29  
Local clock offset: 0.227 ms  
Remote clock offset: -28.652 ms

# Below is generated by plot.py at 2018-08-01 04:45:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.24 Mbit/s  
95th percentile per-packet one-way delay: 101.974 ms  
Loss rate: 69.43%  
-- Flow 1:  
Average throughput: 75.24 Mbit/s  
95th percentile per-packet one-way delay: 101.974 ms  
Loss rate: 69.43%

Run 4: Report of Verus — Data Link



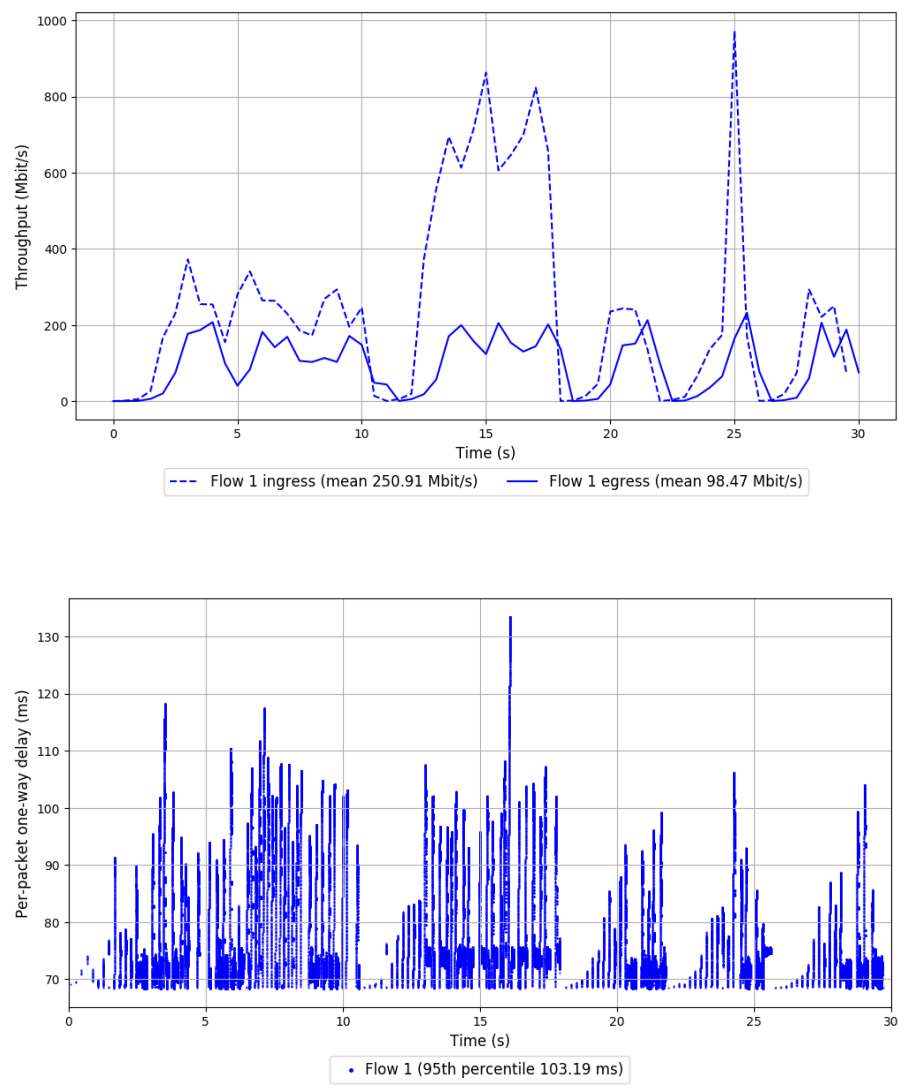
Run 5: Statistics of Verus

Start at: 2018-08-01 01:39:06  
End at: 2018-08-01 01:39:36  
Local clock offset: -0.009 ms  
Remote clock offset: -23.434 ms

# Below is generated by plot.py at 2018-08-01 04:45:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 98.47 Mbit/s  
95th percentile per-packet one-way delay: 103.188 ms  
Loss rate: 60.76%  
-- Flow 1:  
Average throughput: 98.47 Mbit/s  
95th percentile per-packet one-way delay: 103.188 ms  
Loss rate: 60.76%



Run 5: Report of Verus — Data Link

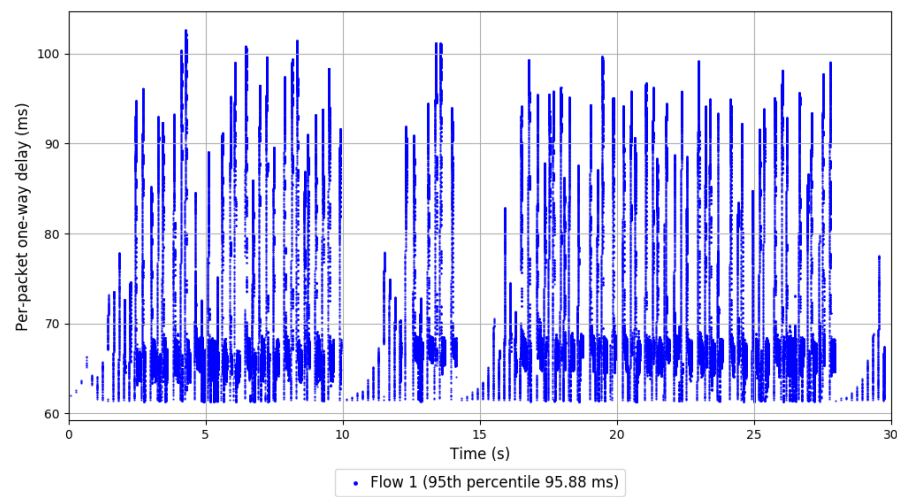
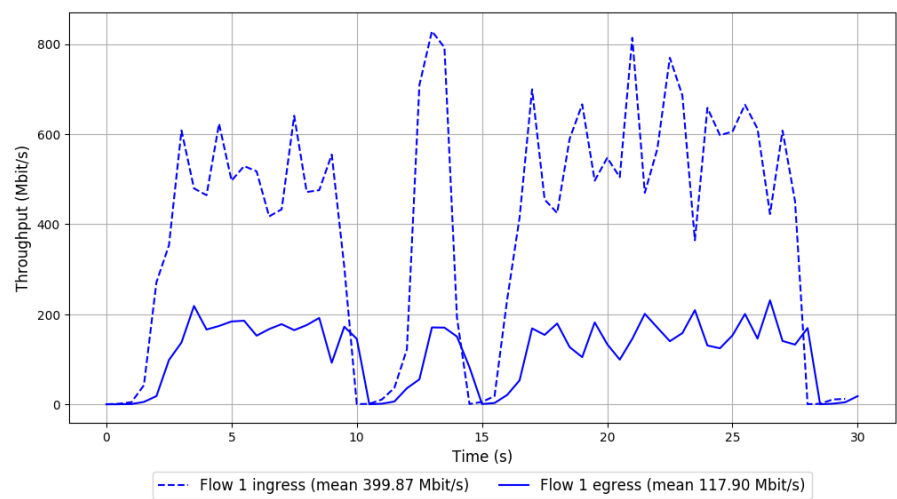


Run 6: Statistics of Verus

Start at: 2018-08-01 02:06:45  
End at: 2018-08-01 02:07:15  
Local clock offset: 2.18 ms  
Remote clock offset: -25.205 ms

# Below is generated by plot.py at 2018-08-01 04:45:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 117.90 Mbit/s  
95th percentile per-packet one-way delay: 95.879 ms  
Loss rate: 70.52%  
-- Flow 1:  
Average throughput: 117.90 Mbit/s  
95th percentile per-packet one-way delay: 95.879 ms  
Loss rate: 70.52%

Run 6: Report of Verus — Data Link

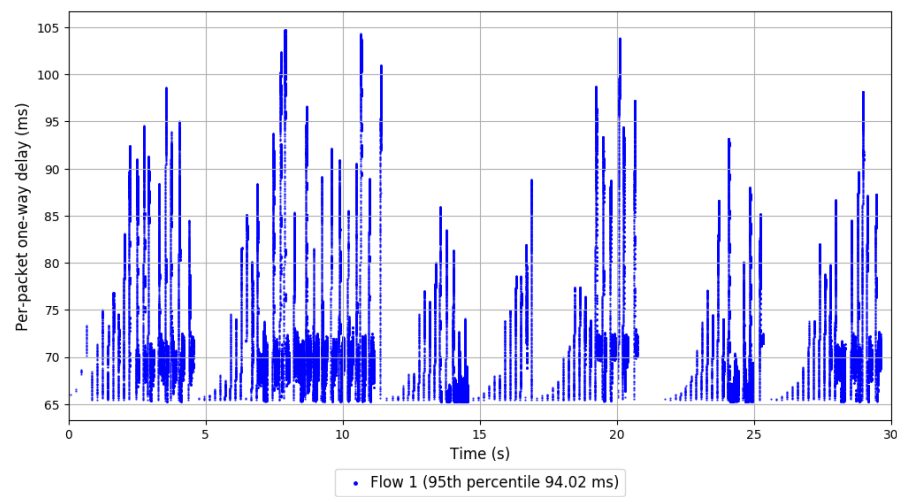
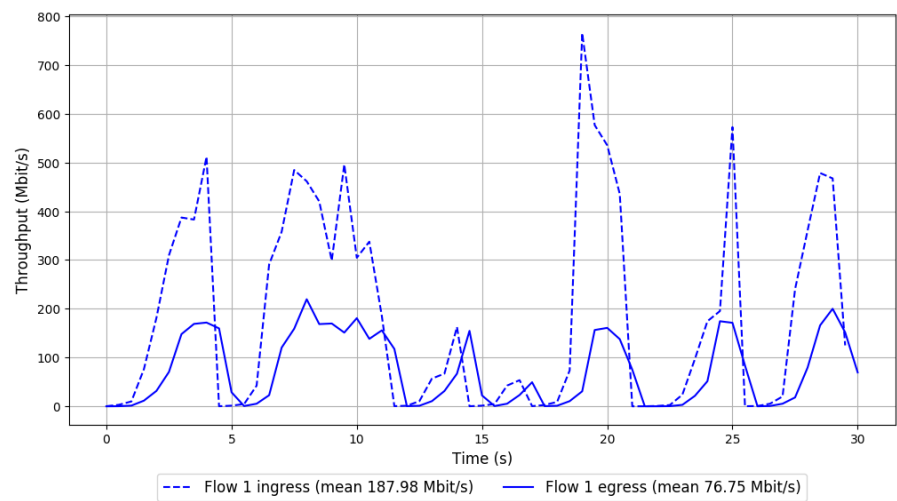


Run 7: Statistics of Verus

Start at: 2018-08-01 02:29:00  
End at: 2018-08-01 02:29:31  
Local clock offset: -2.156 ms  
Remote clock offset: -25.446 ms

# Below is generated by plot.py at 2018-08-01 04:45:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.75 Mbit/s  
95th percentile per-packet one-way delay: 94.024 ms  
Loss rate: 59.17%  
-- Flow 1:  
Average throughput: 76.75 Mbit/s  
95th percentile per-packet one-way delay: 94.024 ms  
Loss rate: 59.17%

Run 7: Report of Verus — Data Link

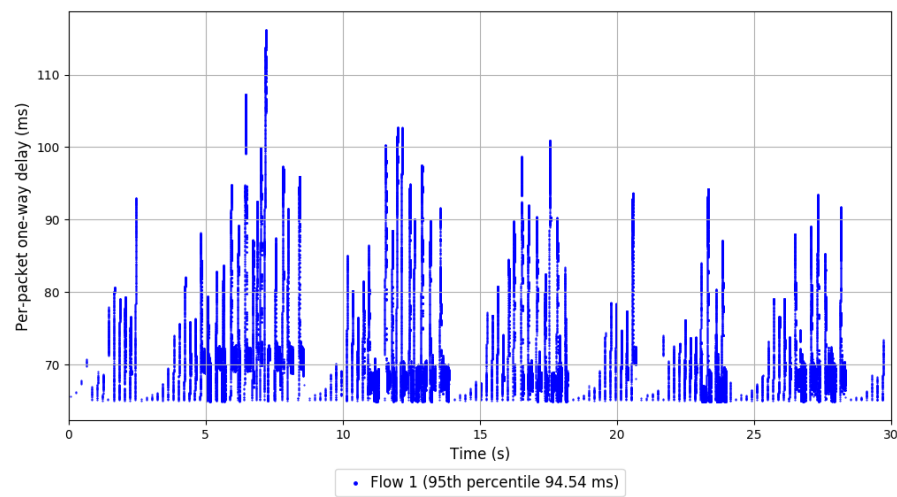
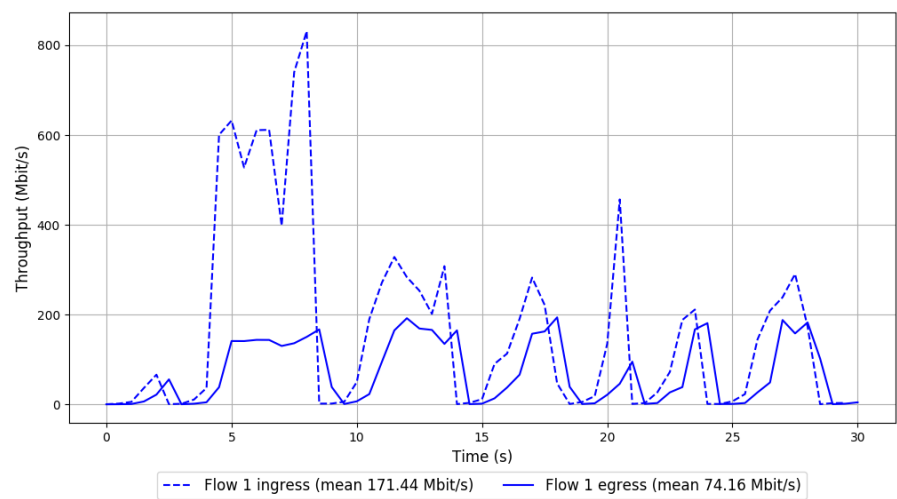


Run 8: Statistics of Verus

Start at: 2018-08-01 02:57:11  
End at: 2018-08-01 02:57:41  
Local clock offset: -0.563 ms  
Remote clock offset: -27.534 ms

# Below is generated by plot.py at 2018-08-01 04:45:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.16 Mbit/s  
95th percentile per-packet one-way delay: 94.538 ms  
Loss rate: 56.73%  
-- Flow 1:  
Average throughput: 74.16 Mbit/s  
95th percentile per-packet one-way delay: 94.538 ms  
Loss rate: 56.73%

Run 8: Report of Verus — Data Link



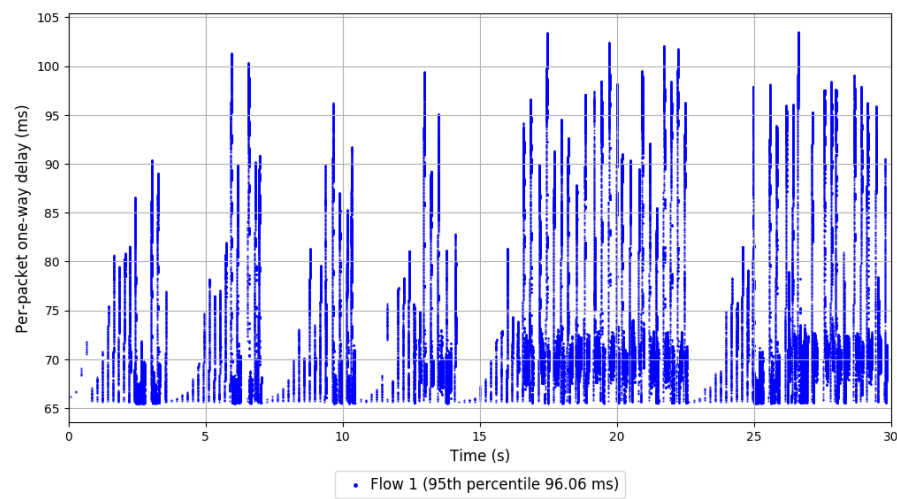
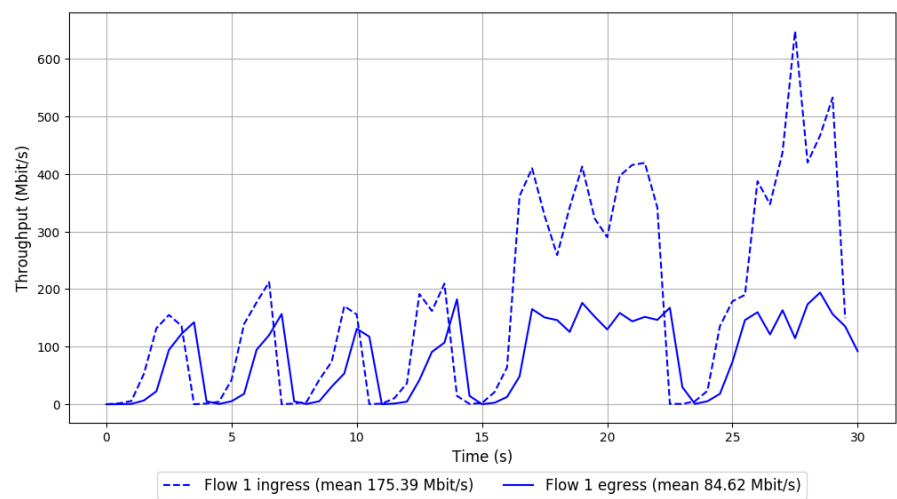
Run 9: Statistics of Verus

Start at: 2018-08-01 03:19:15  
End at: 2018-08-01 03:19:45  
Local clock offset: -0.538 ms  
Remote clock offset: -24.471 ms

# Below is generated by plot.py at 2018-08-01 04:45:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.62 Mbit/s  
95th percentile per-packet one-way delay: 96.061 ms  
Loss rate: 51.74%  
-- Flow 1:  
Average throughput: 84.62 Mbit/s  
95th percentile per-packet one-way delay: 96.061 ms  
Loss rate: 51.74%



Run 9: Report of Verus — Data Link

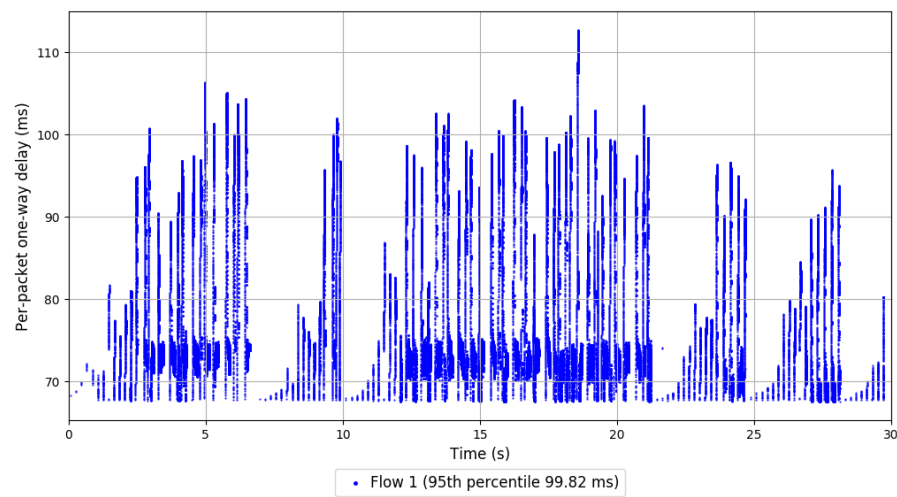
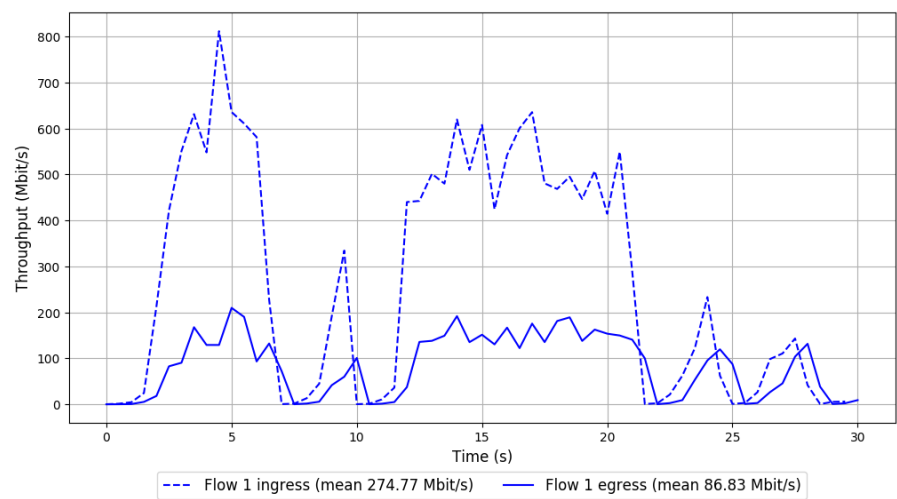


Run 10: Statistics of Verus

Start at: 2018-08-01 03:41:21  
End at: 2018-08-01 03:41:51  
Local clock offset: -0.253 ms  
Remote clock offset: -25.703 ms

# Below is generated by plot.py at 2018-08-01 04:46:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.83 Mbit/s  
95th percentile per-packet one-way delay: 99.822 ms  
Loss rate: 68.39%  
-- Flow 1:  
Average throughput: 86.83 Mbit/s  
95th percentile per-packet one-way delay: 99.822 ms  
Loss rate: 68.39%

Run 10: Report of Verus — Data Link

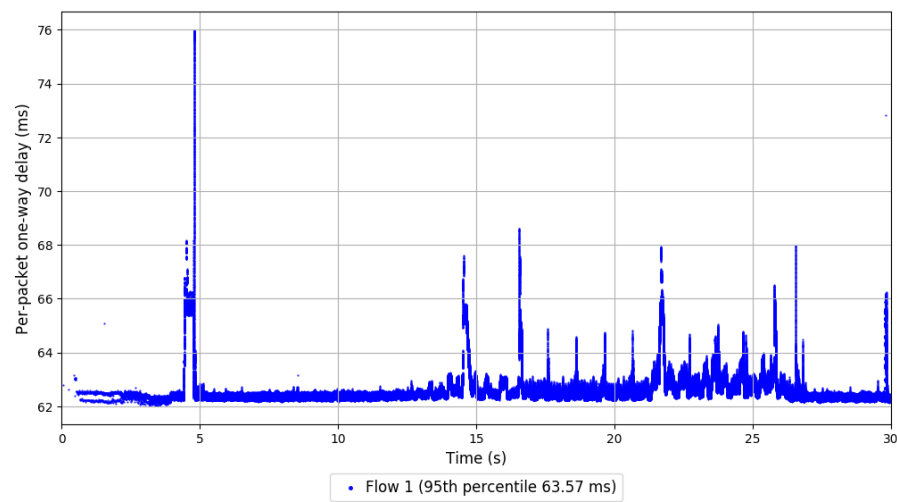
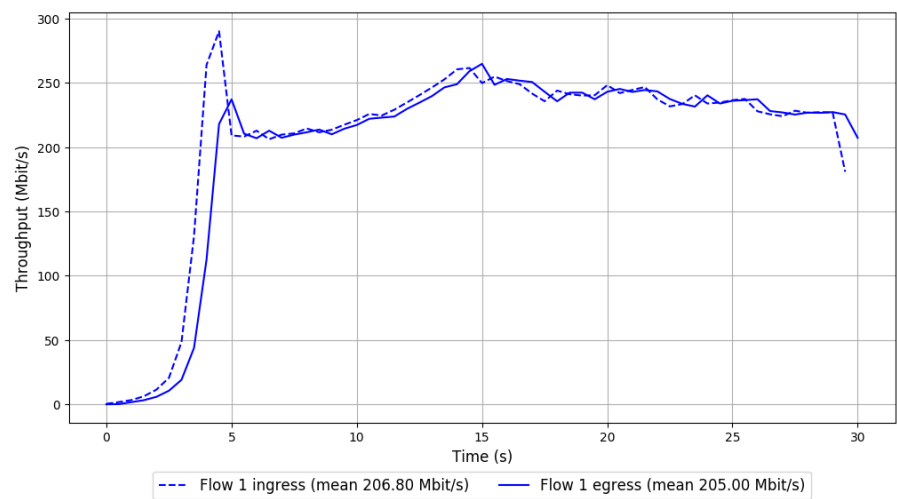


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 00:23:09  
End at: 2018-08-01 00:23:39  
Local clock offset: 1.929 ms  
Remote clock offset: -27.525 ms

# Below is generated by plot.py at 2018-08-01 04:47:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 205.00 Mbit/s  
95th percentile per-packet one-way delay: 63.574 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 205.00 Mbit/s  
95th percentile per-packet one-way delay: 63.574 ms  
Loss rate: 0.87%

Run 1: Report of PCC-Vivace — Data Link

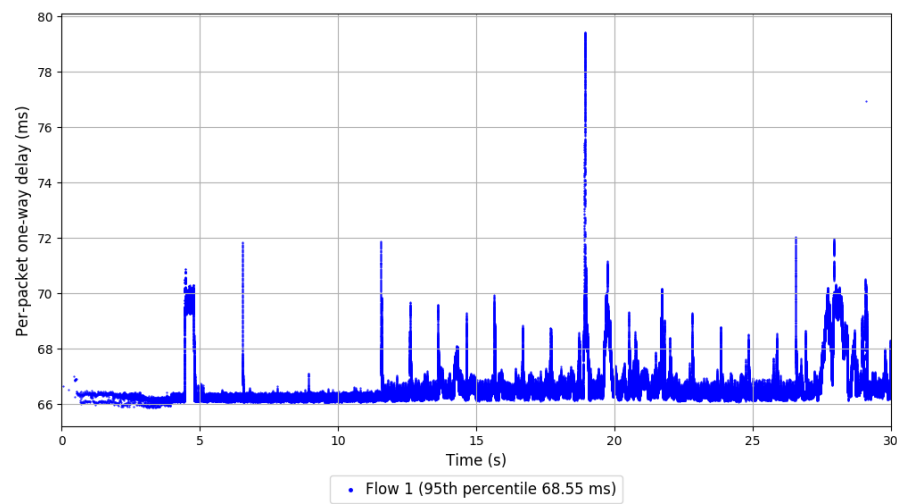
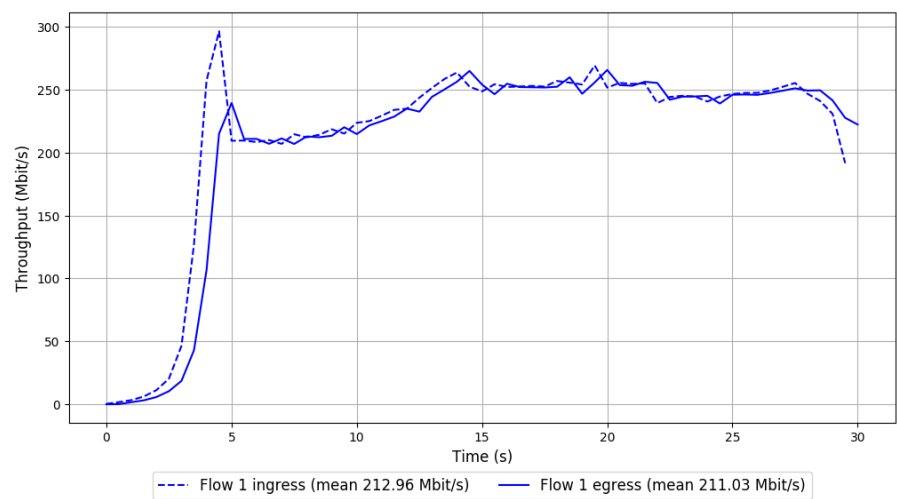


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 00:45:13  
End at: 2018-08-01 00:45:43  
Local clock offset: 4.249 ms  
Remote clock offset: -22.721 ms

# Below is generated by plot.py at 2018-08-01 04:47:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 211.03 Mbit/s  
95th percentile per-packet one-way delay: 68.551 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 211.03 Mbit/s  
95th percentile per-packet one-way delay: 68.551 ms  
Loss rate: 0.91%

Run 2: Report of PCC-Vivace — Data Link



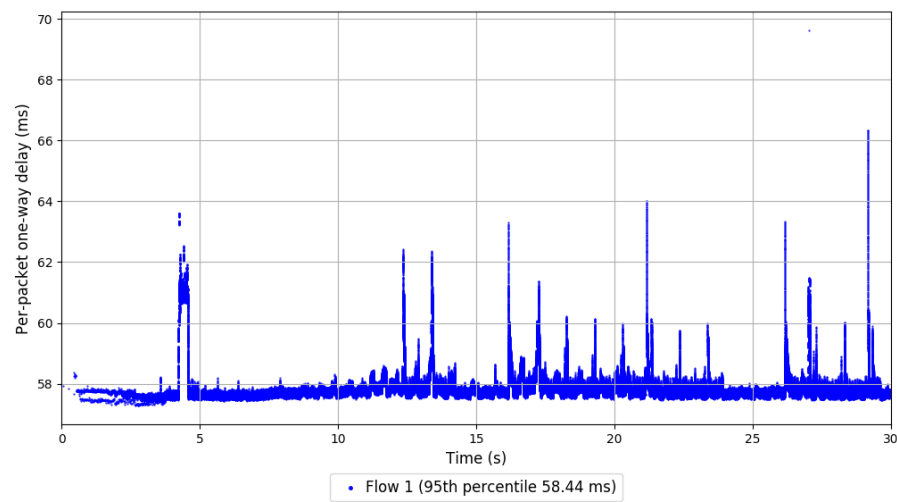
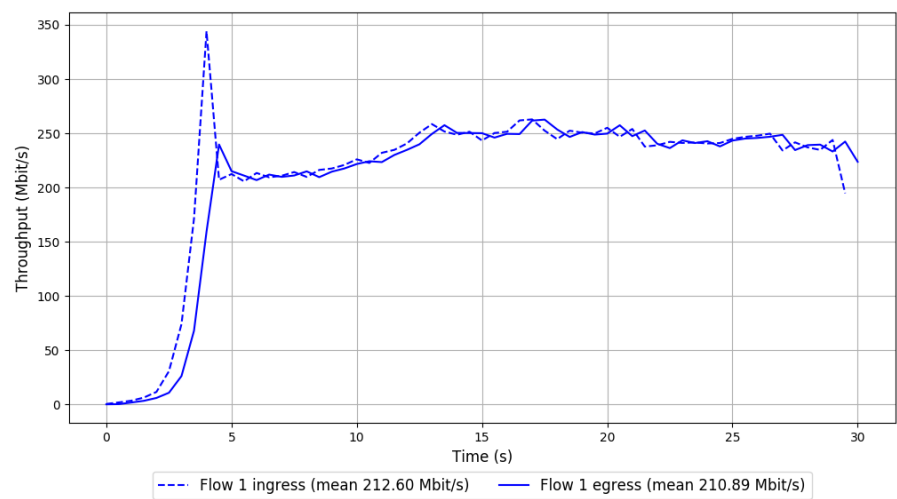
Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 01:12:56  
End at: 2018-08-01 01:13:26  
Local clock offset: 0.865 ms  
Remote clock offset: -28.576 ms

# Below is generated by plot.py at 2018-08-01 04:47:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 210.89 Mbit/s  
95th percentile per-packet one-way delay: 58.440 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 210.89 Mbit/s  
95th percentile per-packet one-way delay: 58.440 ms  
Loss rate: 0.80%



Run 3: Report of PCC-Vivace — Data Link

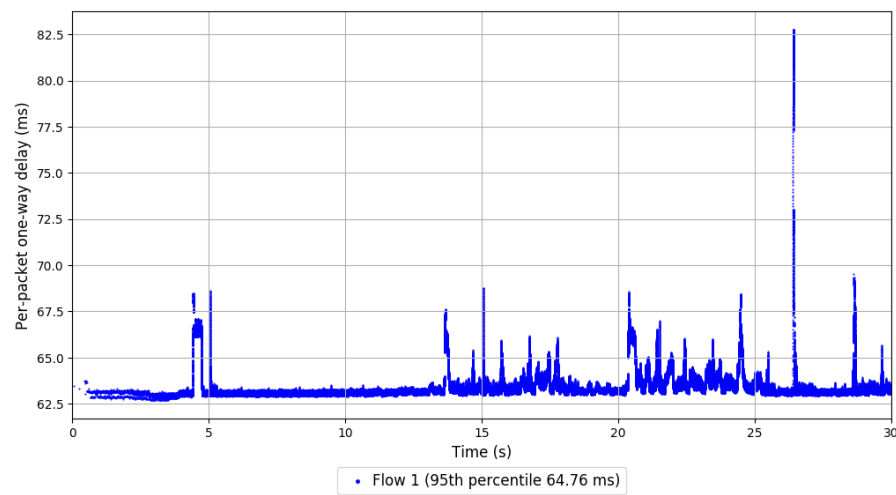
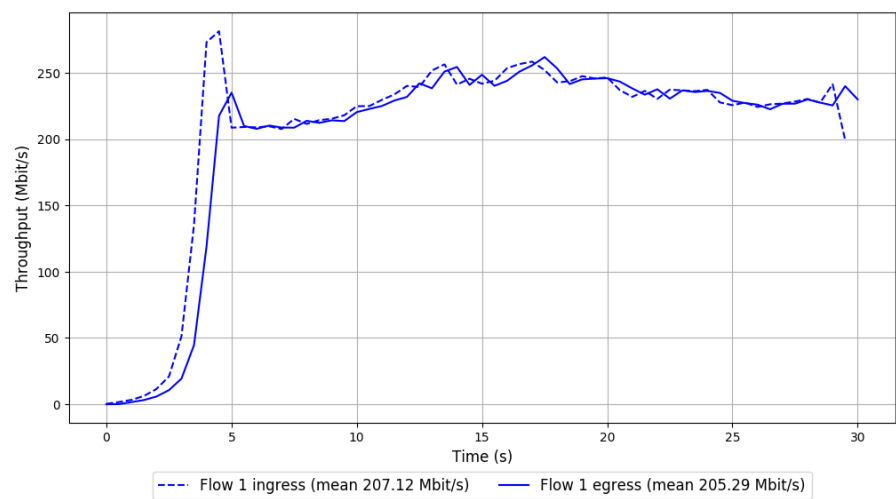


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 01:35:03  
End at: 2018-08-01 01:35:34  
Local clock offset: 0.928 ms  
Remote clock offset: -25.165 ms

# Below is generated by plot.py at 2018-08-01 04:47:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 205.29 Mbit/s  
95th percentile per-packet one-way delay: 64.756 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 205.29 Mbit/s  
95th percentile per-packet one-way delay: 64.756 ms  
Loss rate: 0.88%

Run 4: Report of PCC-Vivace — Data Link

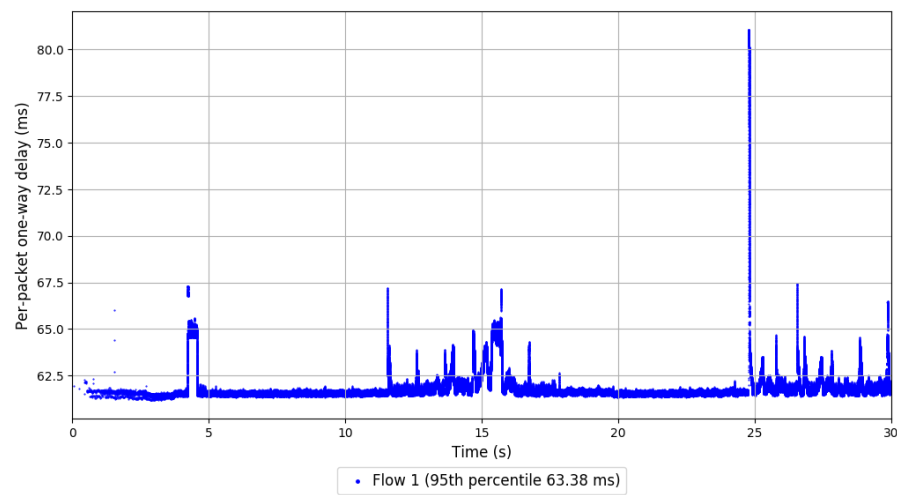
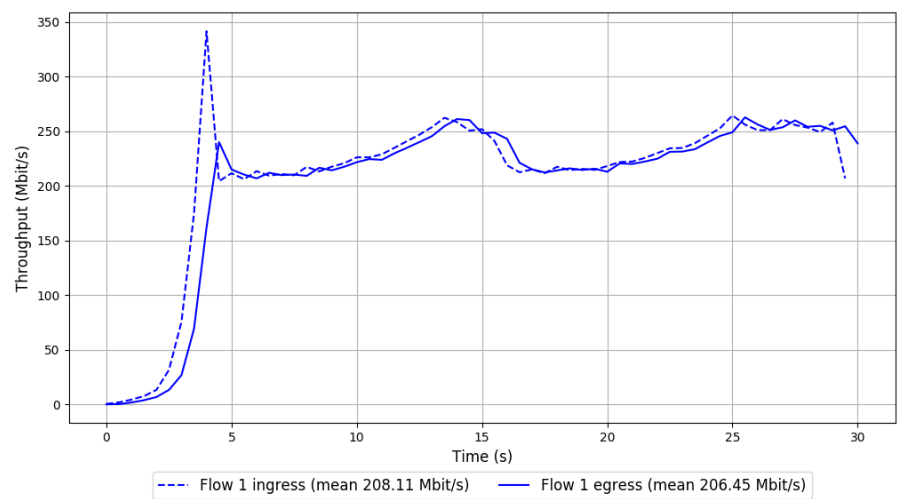


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 02:02:42  
End at: 2018-08-01 02:03:12  
Local clock offset: 0.349 ms  
Remote clock offset: -27.259 ms

# Below is generated by plot.py at 2018-08-01 04:48:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.45 Mbit/s  
95th percentile per-packet one-way delay: 63.384 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 206.45 Mbit/s  
95th percentile per-packet one-way delay: 63.384 ms  
Loss rate: 0.80%

Run 5: Report of PCC-Vivace — Data Link

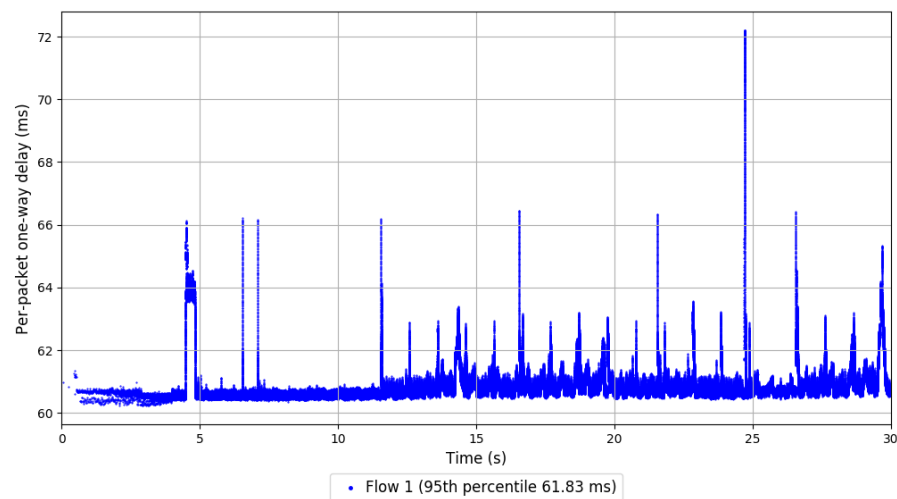
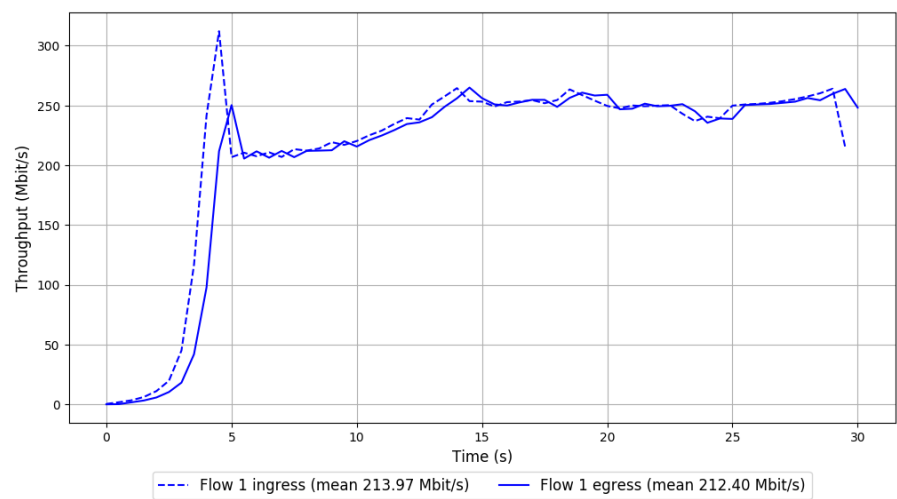


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 02:24:54  
End at: 2018-08-01 02:25:24  
Local clock offset: 0.886 ms  
Remote clock offset: -29.966 ms

# Below is generated by plot.py at 2018-08-01 04:48:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 212.40 Mbit/s  
95th percentile per-packet one-way delay: 61.829 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 212.40 Mbit/s  
95th percentile per-packet one-way delay: 61.829 ms  
Loss rate: 0.73%

Run 6: Report of PCC-Vivace — Data Link



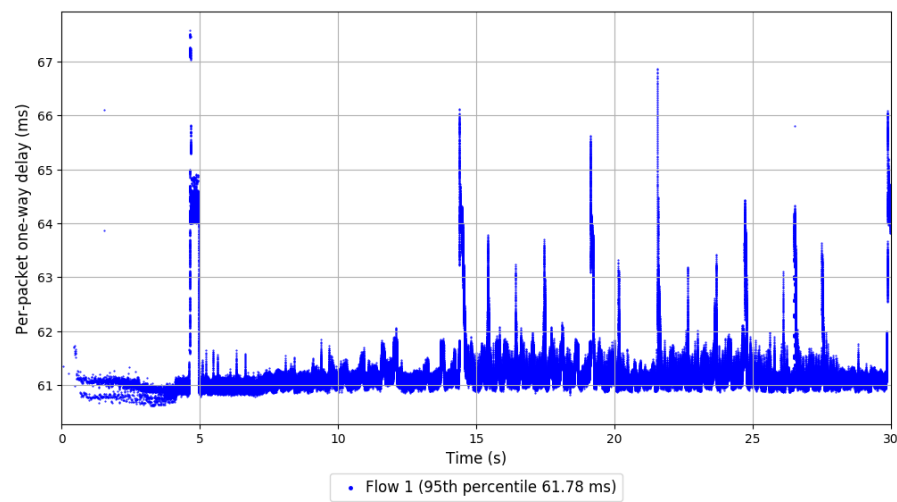
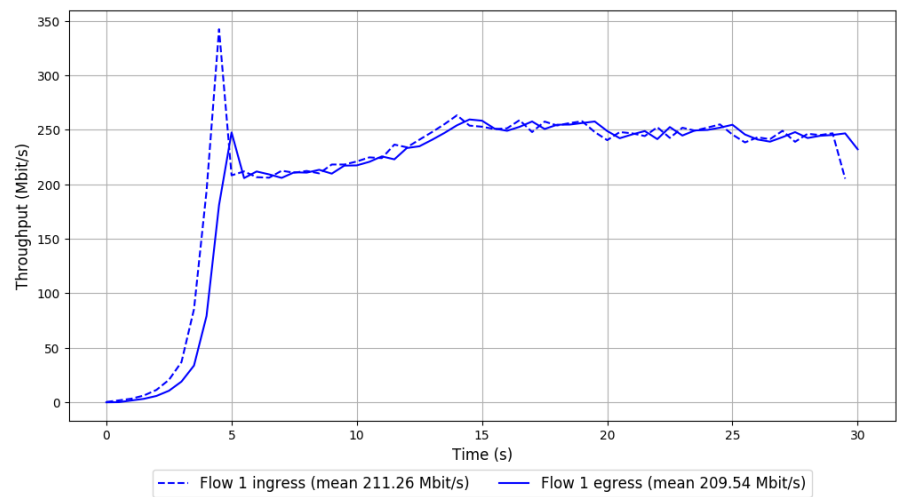
Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 02:53:08  
End at: 2018-08-01 02:53:38  
Local clock offset: 0.758 ms  
Remote clock offset: -27.632 ms

# Below is generated by plot.py at 2018-08-01 04:48:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 209.54 Mbit/s  
95th percentile per-packet one-way delay: 61.777 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 209.54 Mbit/s  
95th percentile per-packet one-way delay: 61.777 ms  
Loss rate: 0.80%



Run 7: Report of PCC-Vivace — Data Link

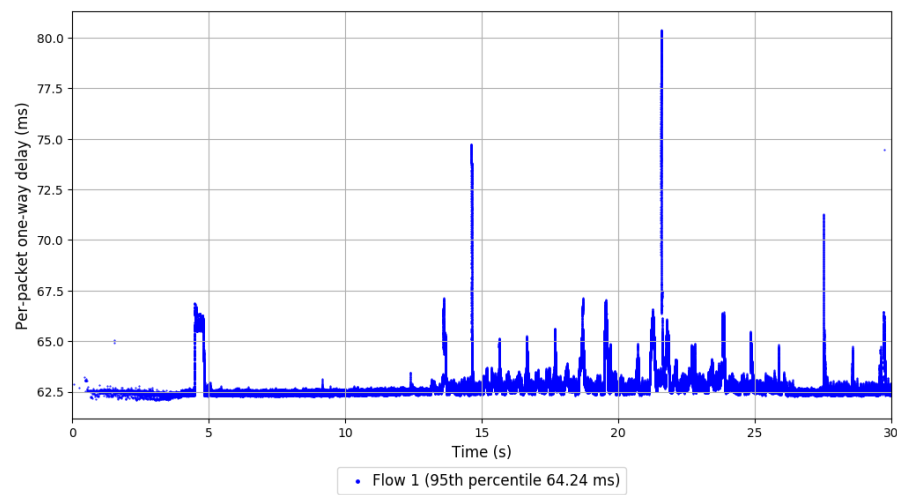
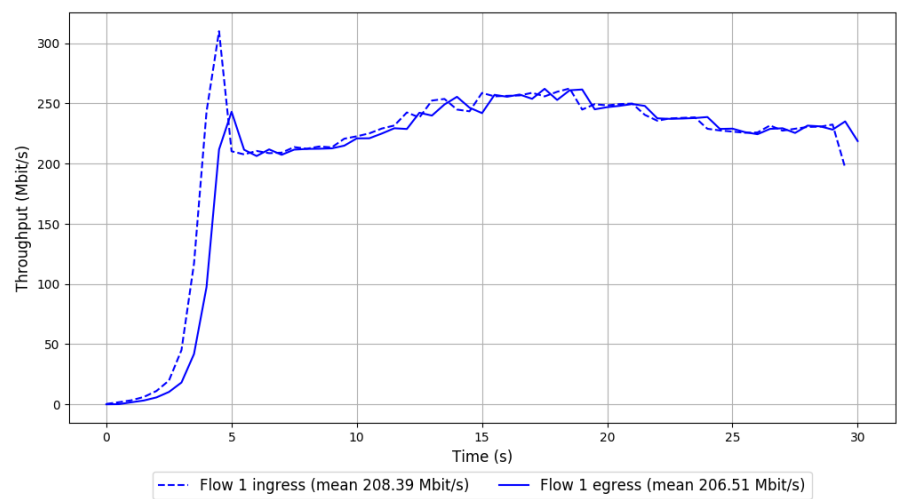


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 03:15:13  
End at: 2018-08-01 03:15:43  
Local clock offset: -0.261 ms  
Remote clock offset: -30.085 ms

# Below is generated by plot.py at 2018-08-01 04:48:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.51 Mbit/s  
95th percentile per-packet one-way delay: 64.244 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 206.51 Mbit/s  
95th percentile per-packet one-way delay: 64.244 ms  
Loss rate: 0.90%

Run 8: Report of PCC-Vivace — Data Link

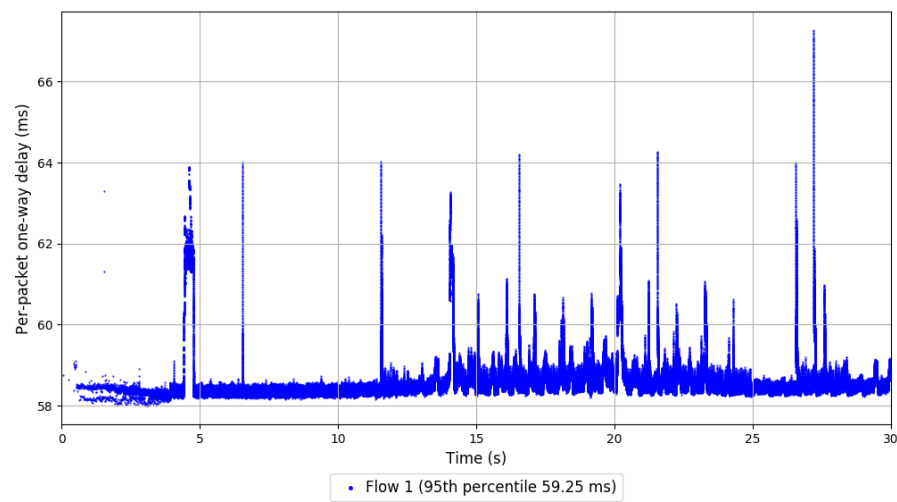
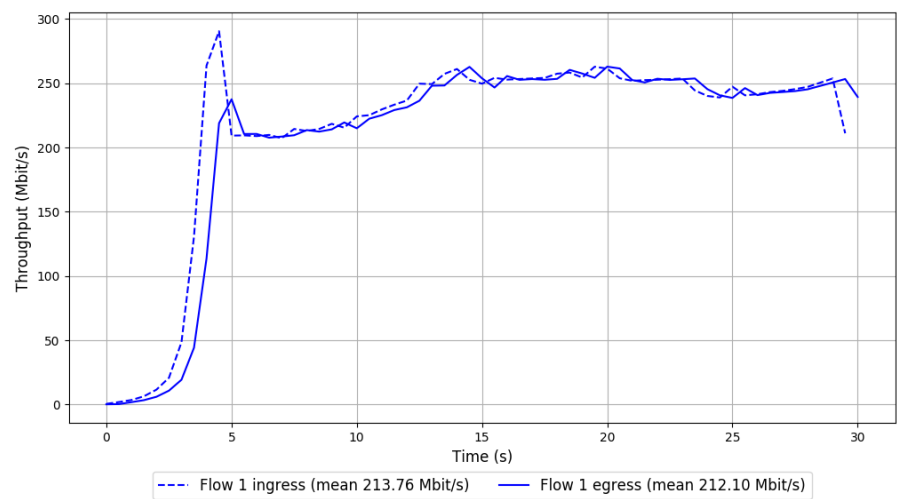


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 03:37:18  
End at: 2018-08-01 03:37:48  
Local clock offset: 1.363 ms  
Remote clock offset: -30.828 ms

# Below is generated by plot.py at 2018-08-01 04:48:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 212.10 Mbit/s  
95th percentile per-packet one-way delay: 59.251 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 212.10 Mbit/s  
95th percentile per-packet one-way delay: 59.251 ms  
Loss rate: 0.78%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 03:59:28

End at: 2018-08-01 03:59:58

Local clock offset: 2.096 ms

Remote clock offset: -27.413 ms

# Below is generated by plot.py at 2018-08-01 04:48:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 63.235 ms

Loss rate: 1.07%

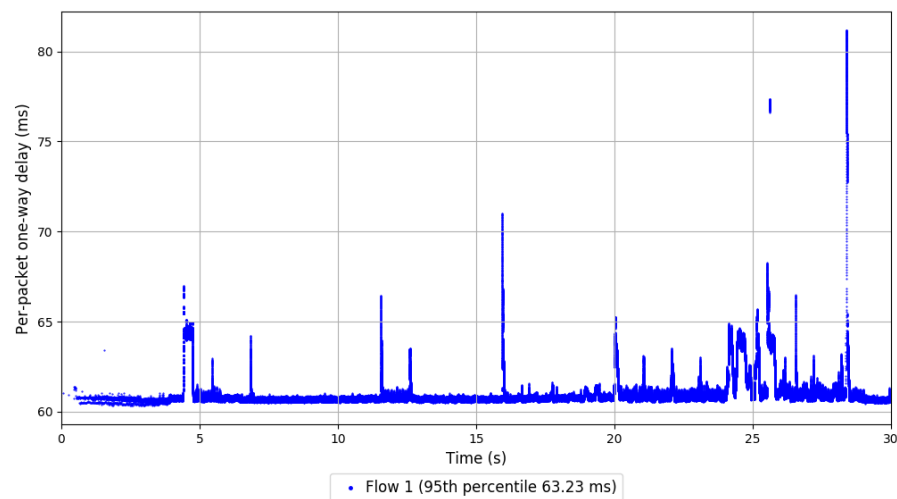
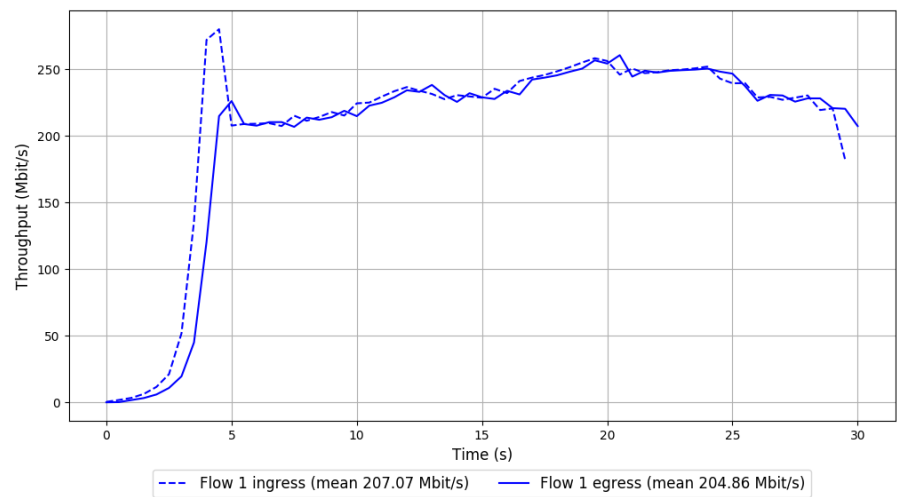
-- Flow 1:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 63.235 ms

Loss rate: 1.07%

Run 10: Report of PCC-Vivace — Data Link



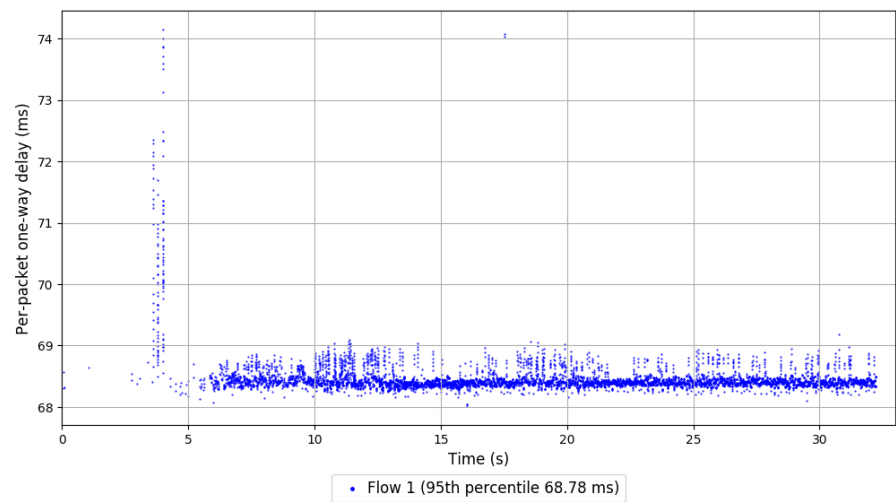
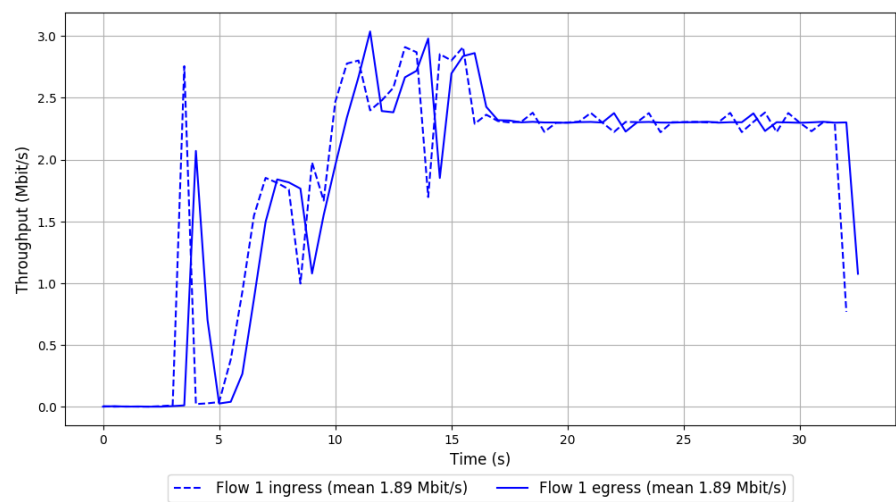
Run 1: Statistics of WebRTC media

Start at: 2018-08-01 00:19:24  
End at: 2018-08-01 00:19:54  
Local clock offset: 3.434 ms  
Remote clock offset: -23.185 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 68.783 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 68.783 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

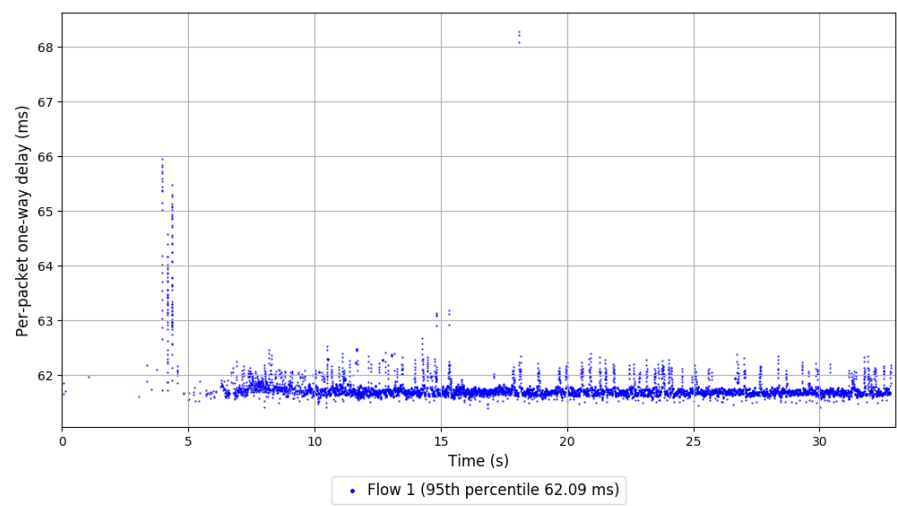
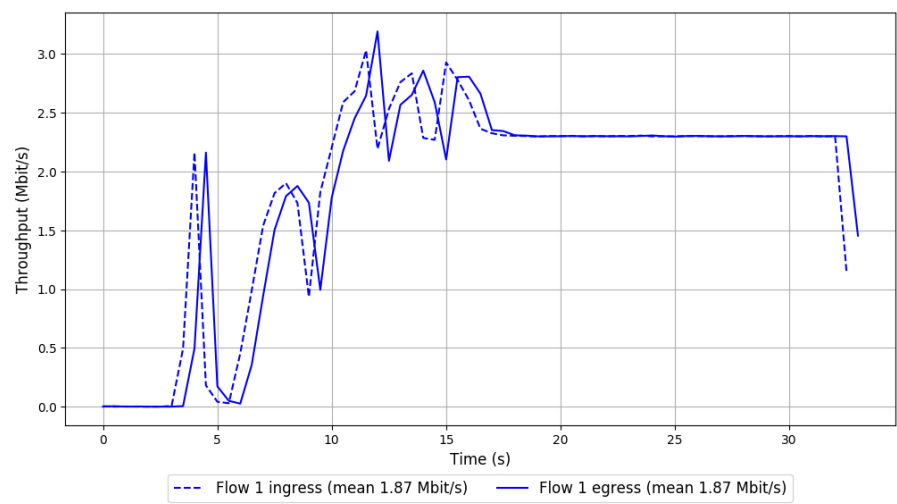


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 00:41:23  
End at: 2018-08-01 00:41:53  
Local clock offset: 1.908 ms  
Remote clock offset: -27.206 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 62.092 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 62.092 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

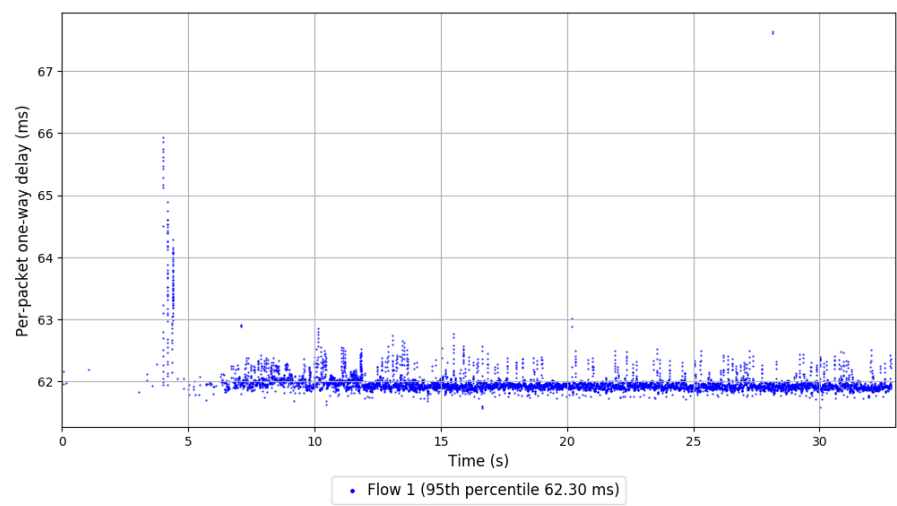
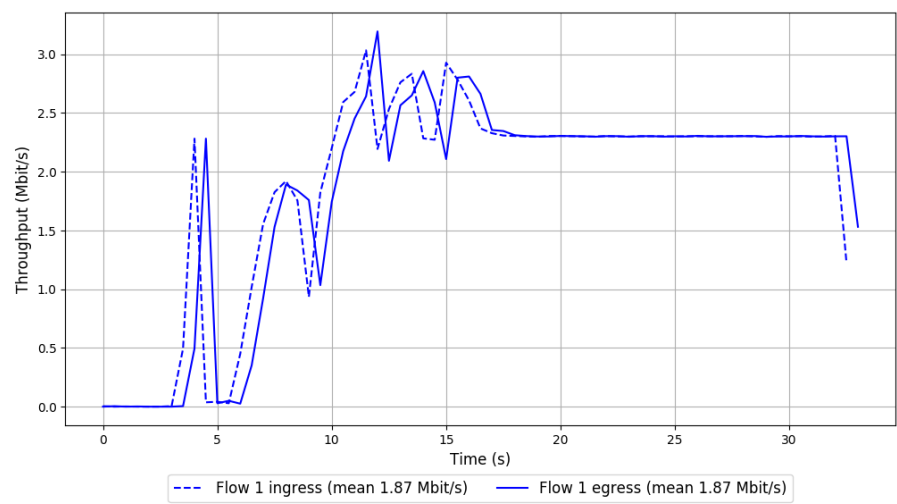


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 01:09:06  
End at: 2018-08-01 01:09:36  
Local clock offset: 0.254 ms  
Remote clock offset: -25.134 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 62.298 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 62.298 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

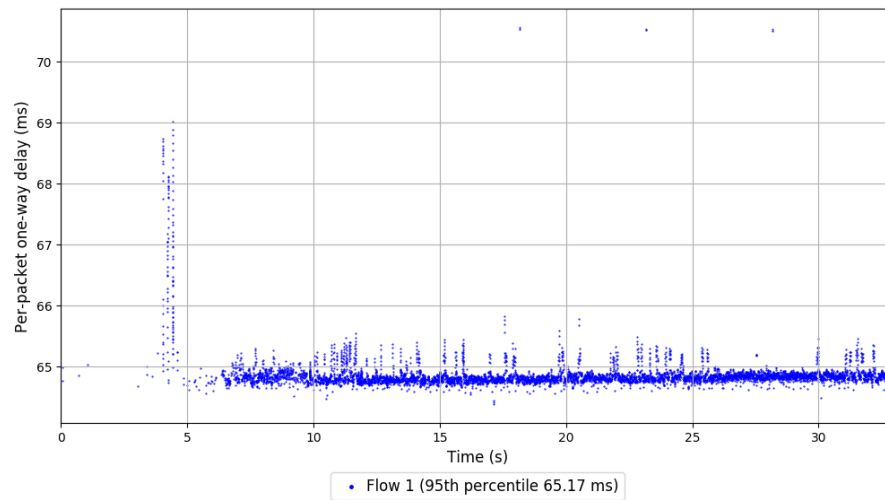
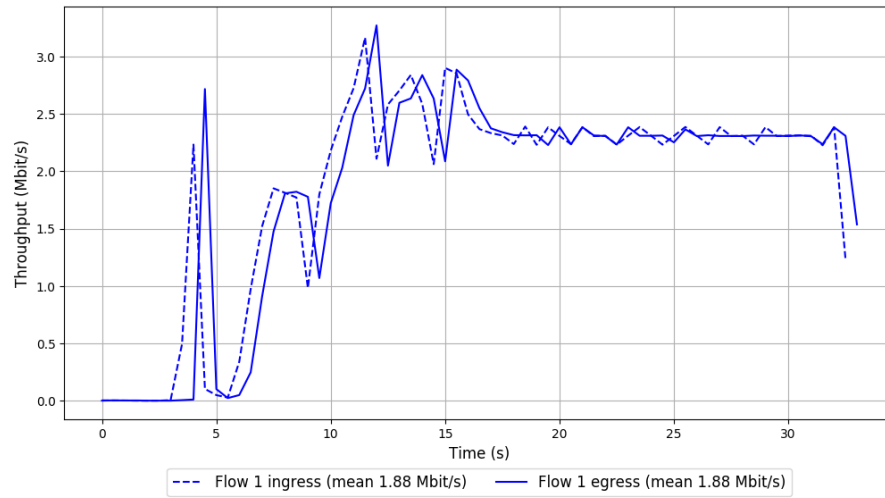


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 01:31:13  
End at: 2018-08-01 01:31:43  
Local clock offset: -1.044 ms  
Remote clock offset: -25.162 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 65.175 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 65.175 ms  
Loss rate: 0.00%

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



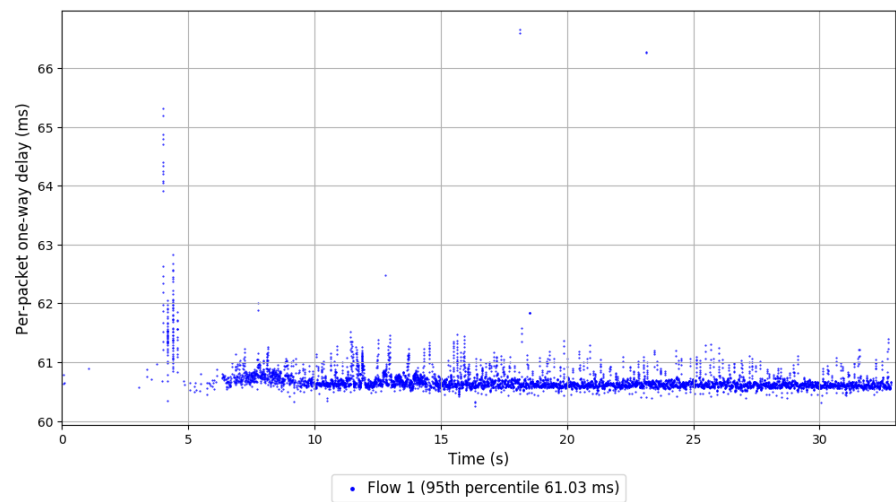
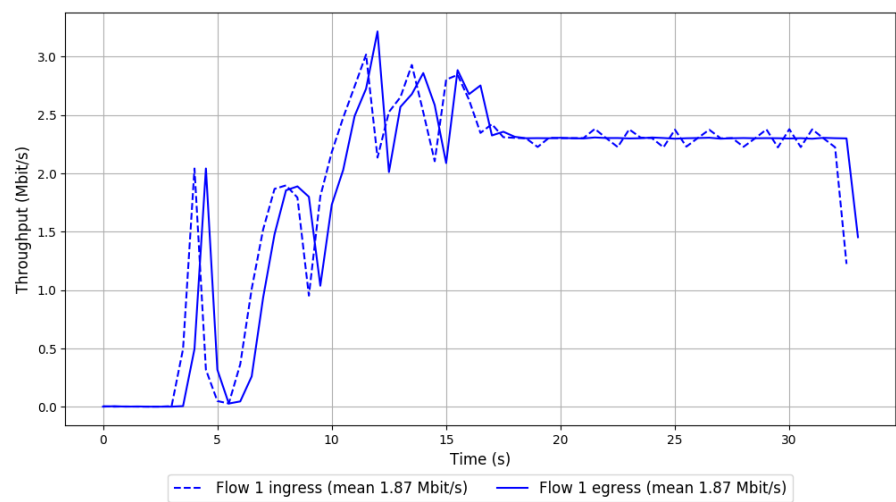
Run 5: Statistics of WebRTC media

Start at: 2018-08-01 01:58:51  
End at: 2018-08-01 01:59:21  
Local clock offset: 1.796 ms  
Remote clock offset: -29.294 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 61.033 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 61.033 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

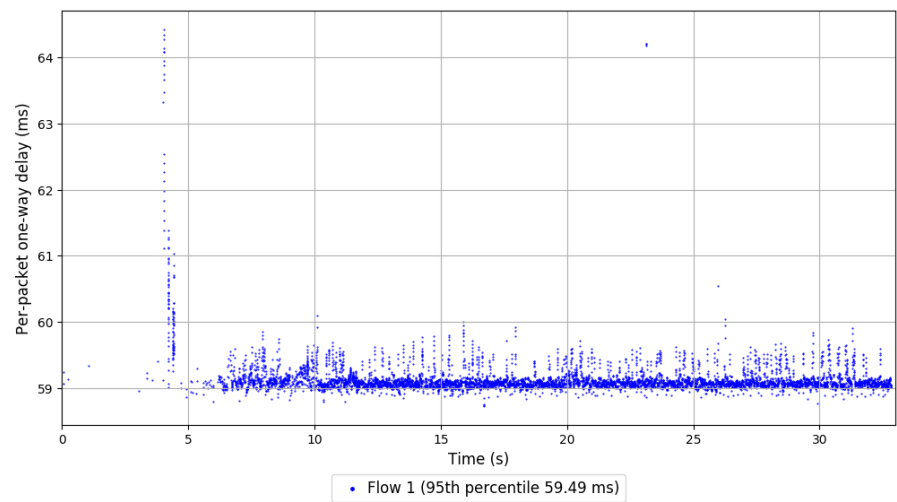
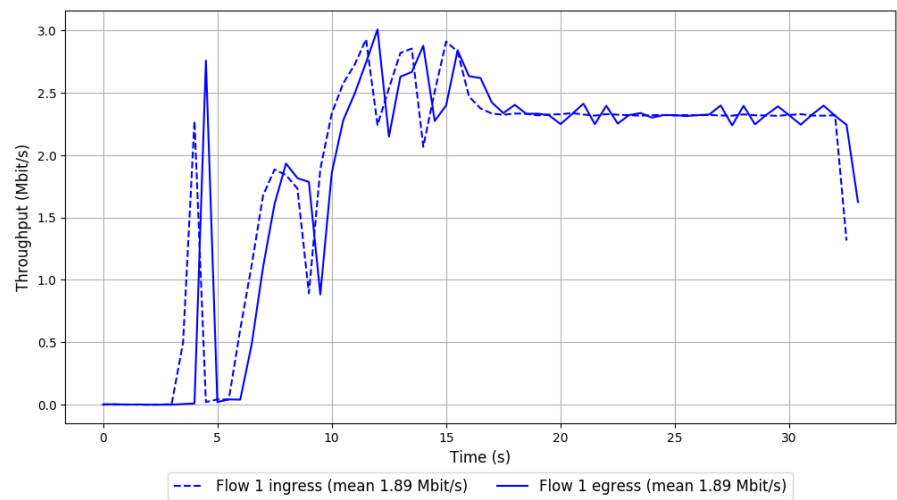


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 02:21:03  
End at: 2018-08-01 02:21:33  
Local clock offset: 0.577 ms  
Remote clock offset: -29.092 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 59.490 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 59.490 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

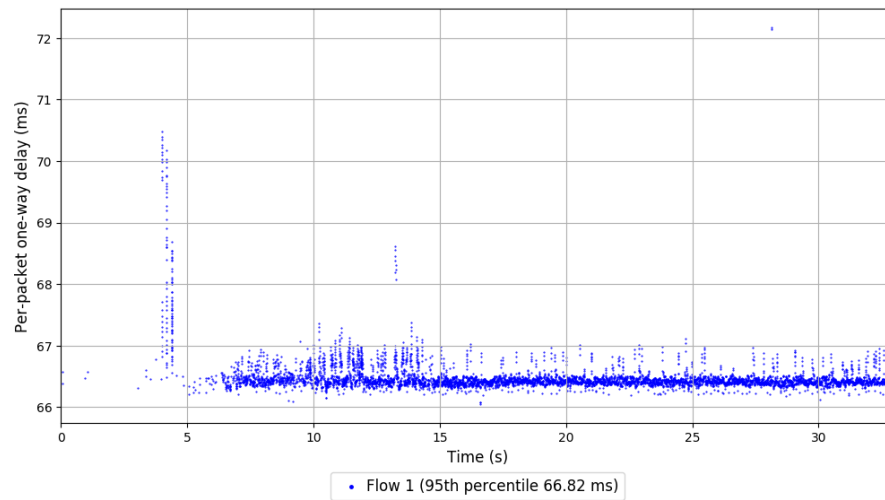
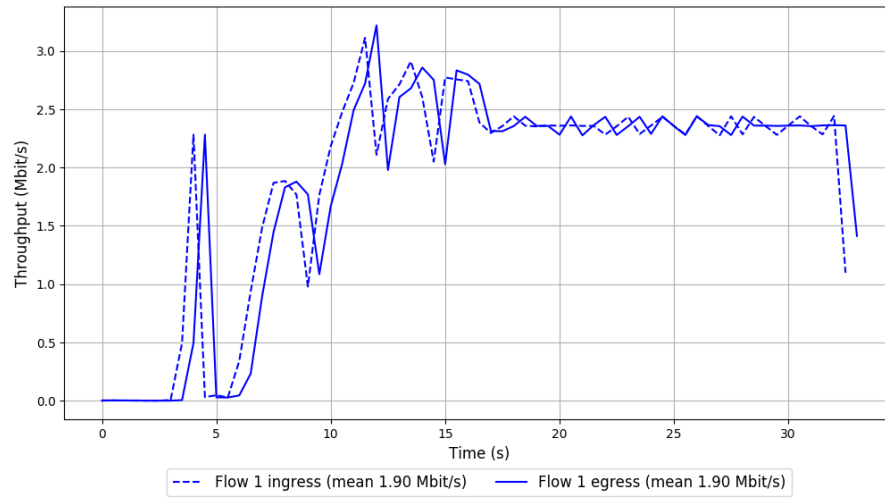


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 02:49:18  
End at: 2018-08-01 02:49:48  
Local clock offset: 0.434 ms  
Remote clock offset: -25.343 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.90 Mbit/s  
95th percentile per-packet one-way delay: 66.817 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.90 Mbit/s  
95th percentile per-packet one-way delay: 66.817 ms  
Loss rate: 0.00%

### Run 7: Report of WebRTC media — Data Link

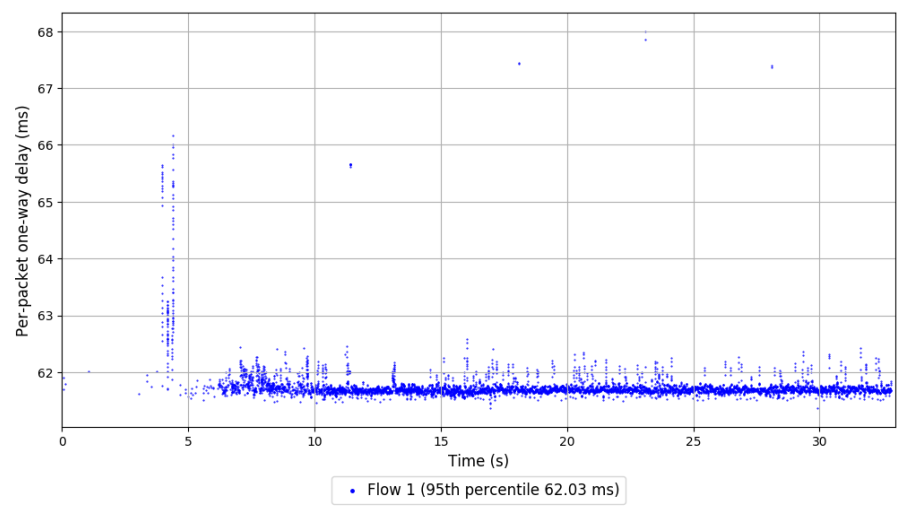
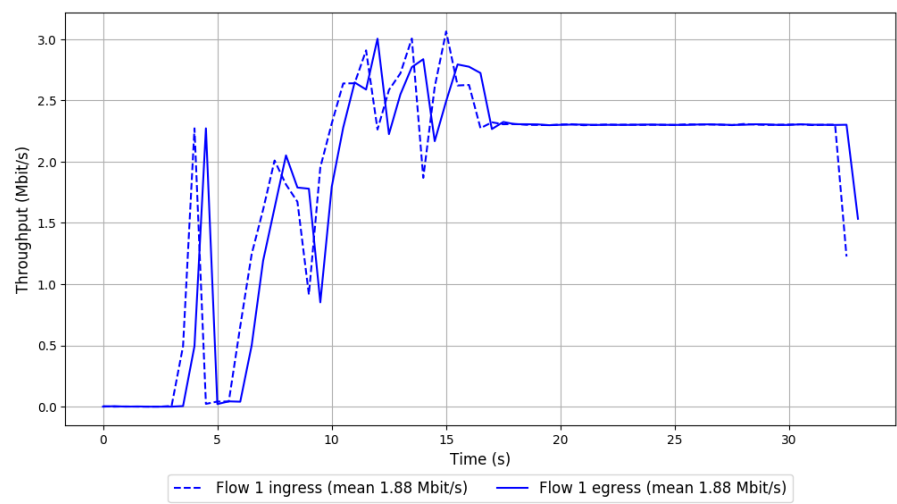


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 03:11:22  
End at: 2018-08-01 03:11:52  
Local clock offset: -1.879 ms  
Remote clock offset: -32.246 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 62.026 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 62.026 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



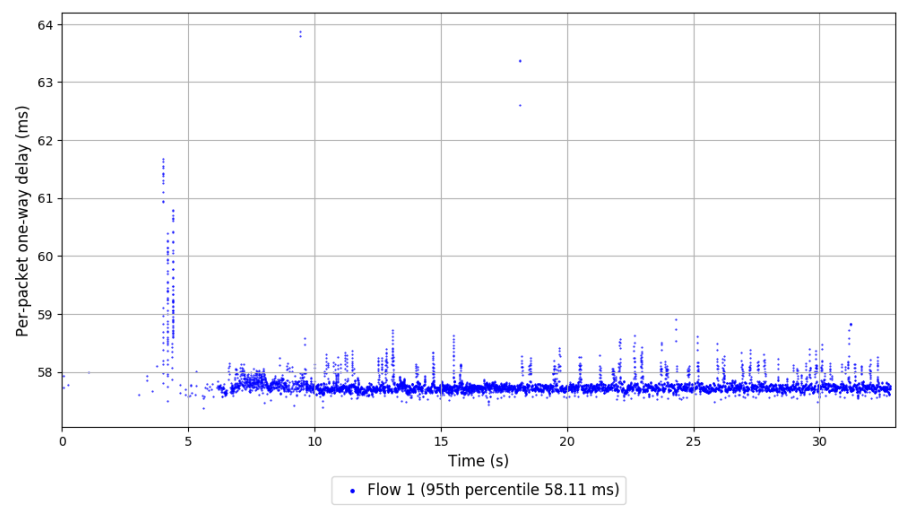
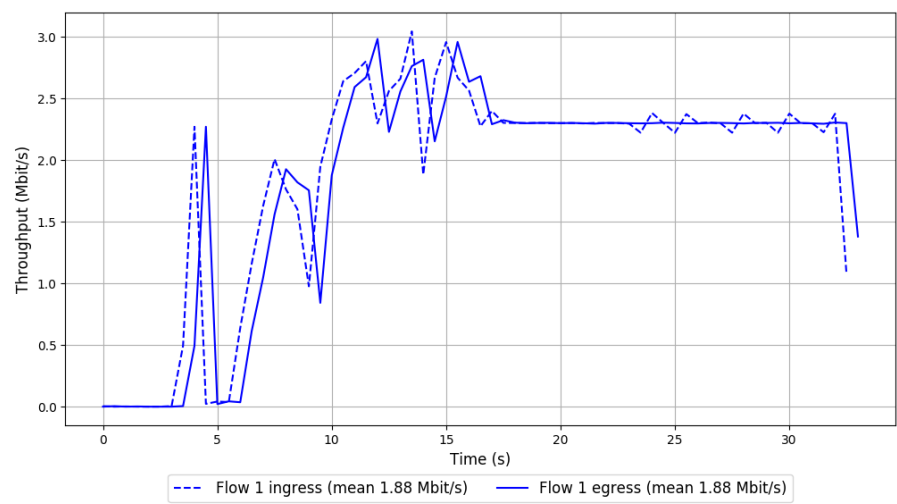
Run 9: Statistics of WebRTC media

Start at: 2018-08-01 03:33:26  
End at: 2018-08-01 03:33:56  
Local clock offset: 2.04 ms  
Remote clock offset: -30.545 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 58.111 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 58.111 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 03:55:38  
End at: 2018-08-01 03:56:08  
Local clock offset: 0.478 ms  
Remote clock offset: -26.596 ms

# Below is generated by plot.py at 2018-08-01 04:48:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 66.367 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 66.367 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

