

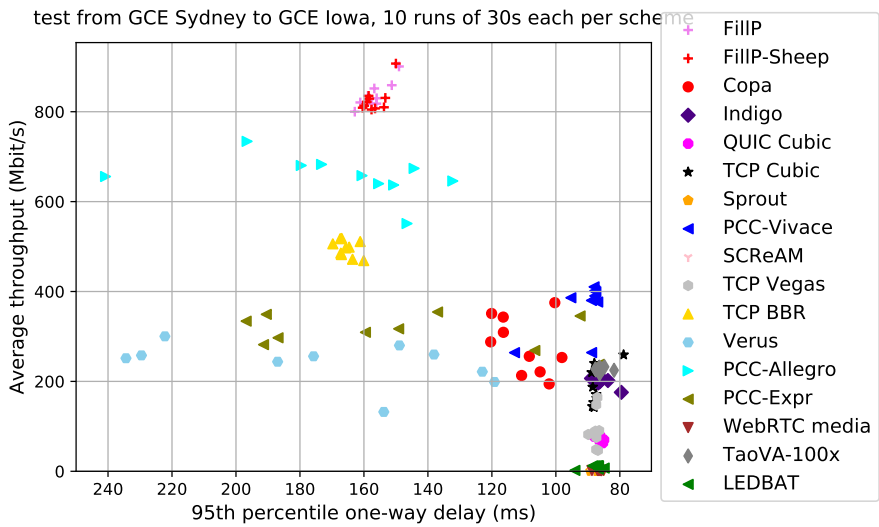
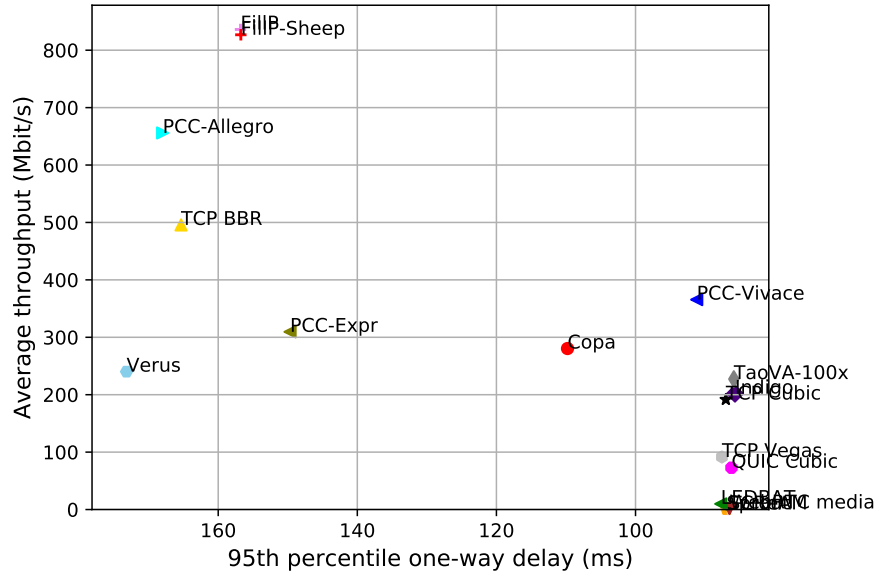
Pantheon Report

Generated at 2018-08-09 05:56:36 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Iowa 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 `time.google.com` and have been applied
to correct the timestamps in logs.

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
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 GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



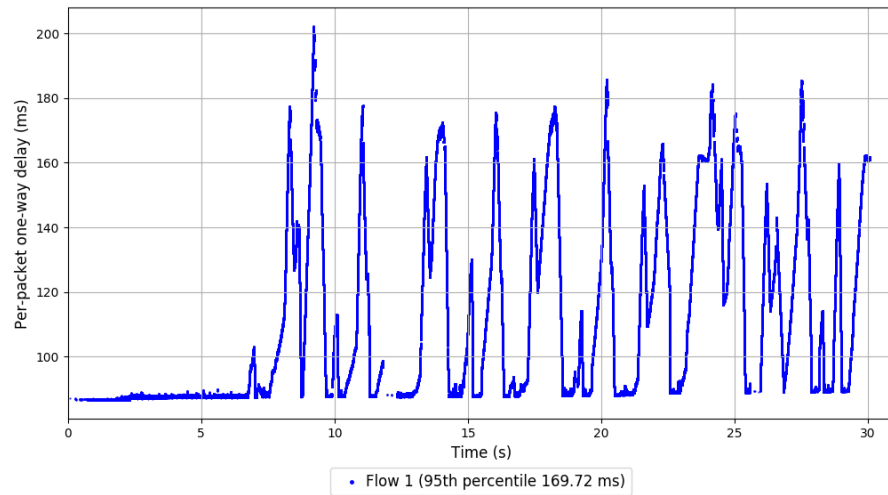
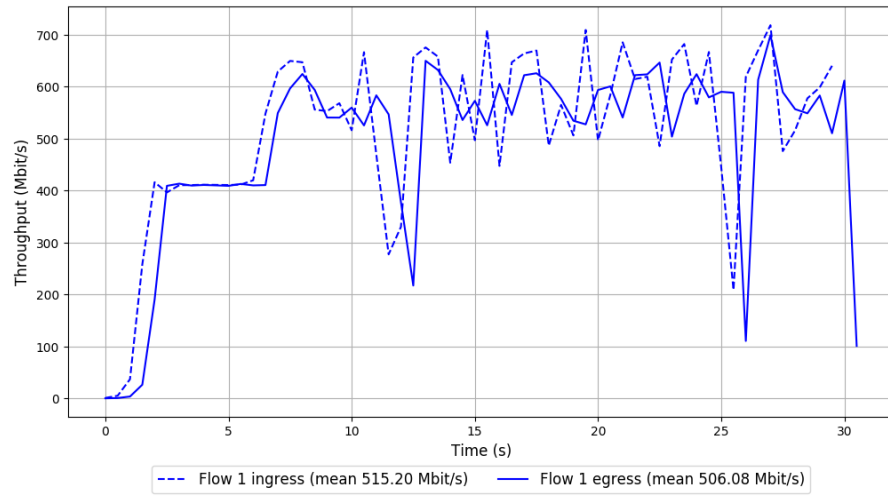
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	495.70	165.34	1.58
Copa	10	280.42	109.78	0.00
TCP Cubic	10	191.58	87.01	0.00
FillP	10	836.13	156.80	4.03
FillP-Sheep	10	826.85	156.74	3.77
Indigo	10	201.75	85.70	0.00
LEDBAT	10	9.82	87.75	0.00
PCC-Allegro	10	655.87	167.98	2.05
PCC-Expr	10	309.49	149.68	0.54
QUIC Cubic	6	72.80	86.21	0.00
SCReAM	10	0.22	86.67	0.00
Sprout	10	0.27	86.91	0.00
TaoVA-100x	10	227.22	85.87	0.00
TCP Vegas	10	91.49	87.58	0.00
Verus	10	240.16	173.18	3.99
PCC-Vivace	10	365.60	91.20	0.00
WebRTC media	10	1.87	86.49	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-08 23:56:16
End at: 2018-08-08 23:56:46
Local clock offset: 25.884 ms
Remote clock offset: -17.942 ms

Below is generated by plot.py at 2018-08-09 04:04:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.08 Mbit/s
95th percentile per-packet one-way delay: 169.725 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 506.08 Mbit/s
95th percentile per-packet one-way delay: 169.725 ms
Loss rate: 1.76%

Run 1: Report of TCP BBR — Data Link

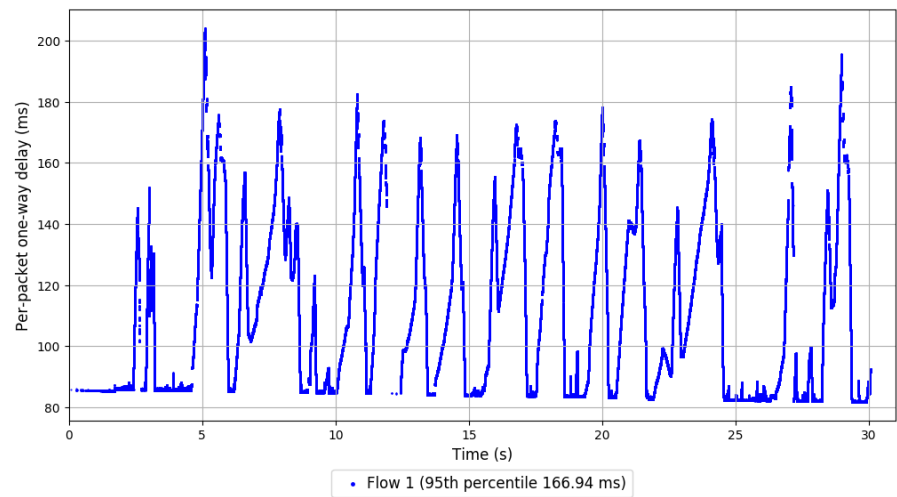
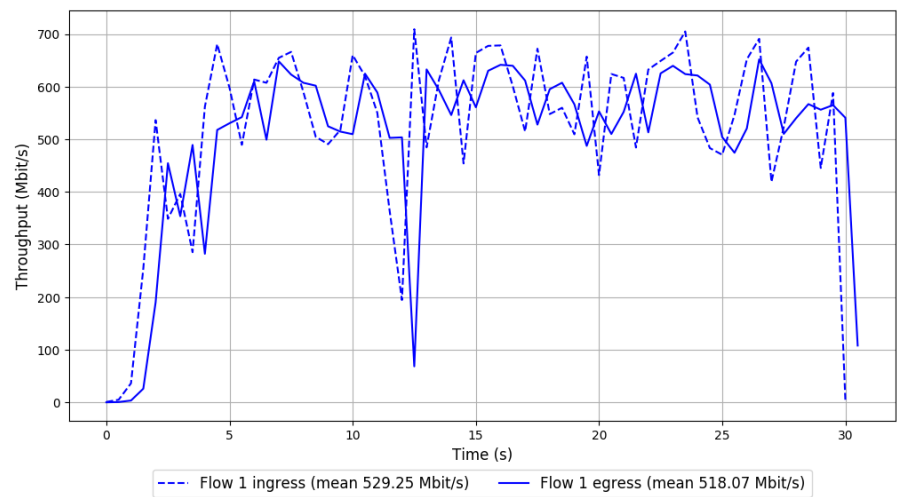


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 00:19:36
End at: 2018-08-09 00:20:06
Local clock offset: 23.214 ms
Remote clock offset: -49.047 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.07 Mbit/s
95th percentile per-packet one-way delay: 166.939 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 518.07 Mbit/s
95th percentile per-packet one-way delay: 166.939 ms
Loss rate: 2.12%

Run 2: Report of TCP BBR — Data Link

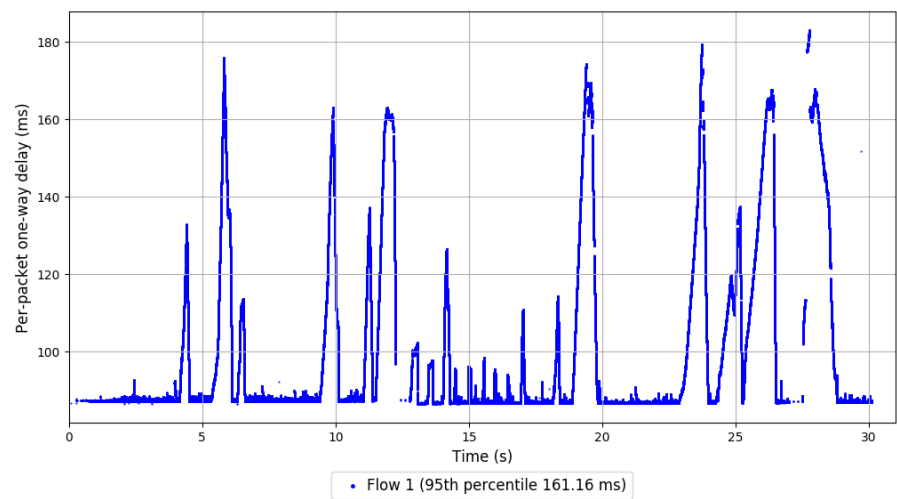
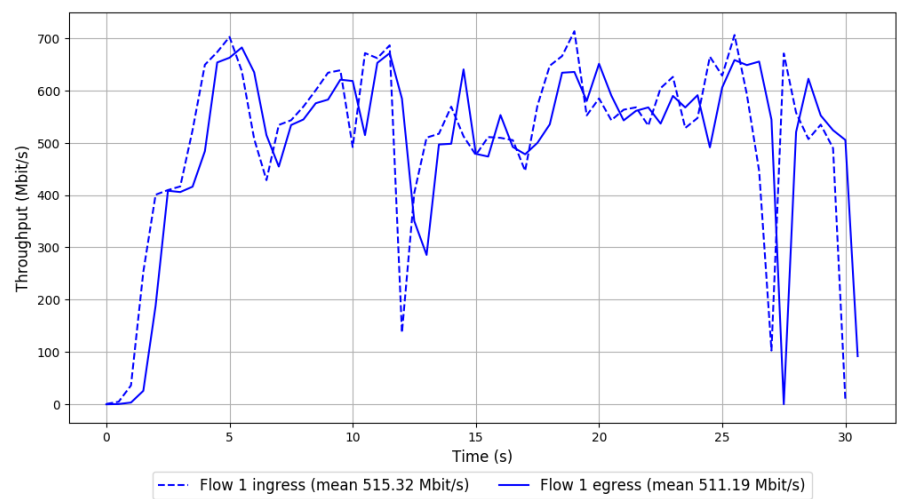


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 00:42:55
End at: 2018-08-09 00:43:25
Local clock offset: 31.278 ms
Remote clock offset: -19.811 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.19 Mbit/s
95th percentile per-packet one-way delay: 161.165 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 511.19 Mbit/s
95th percentile per-packet one-way delay: 161.165 ms
Loss rate: 0.80%

Run 3: Report of TCP BBR — Data Link

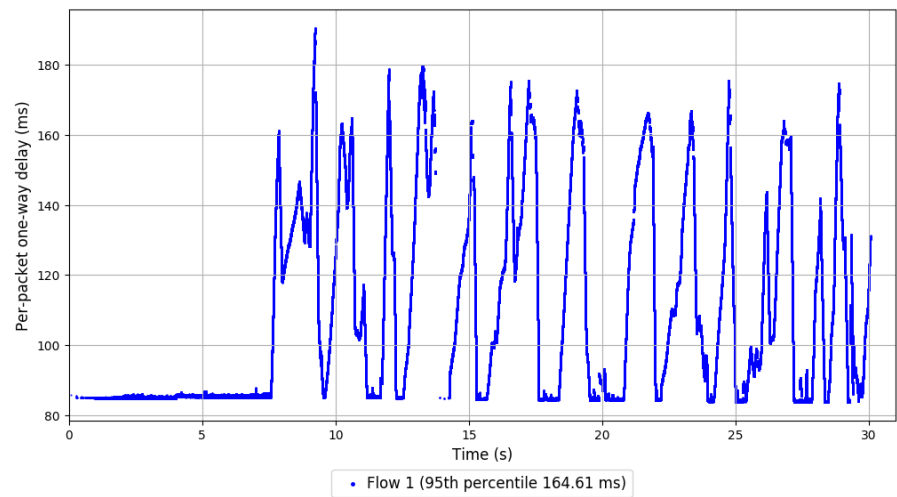
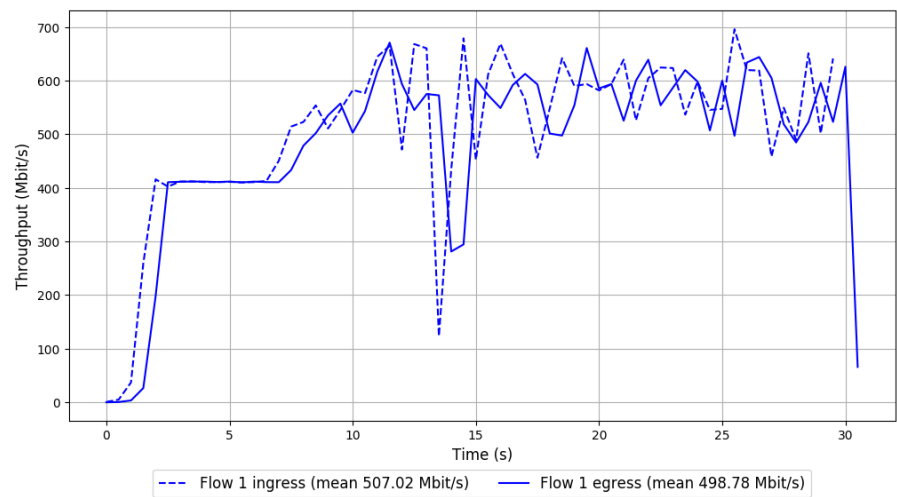


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 01:06:04
End at: 2018-08-09 01:06:34
Local clock offset: 38.201 ms
Remote clock offset: -34.317 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 498.78 Mbit/s
95th percentile per-packet one-way delay: 164.613 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 498.78 Mbit/s
95th percentile per-packet one-way delay: 164.613 ms
Loss rate: 1.63%

Run 4: Report of TCP BBR — Data Link

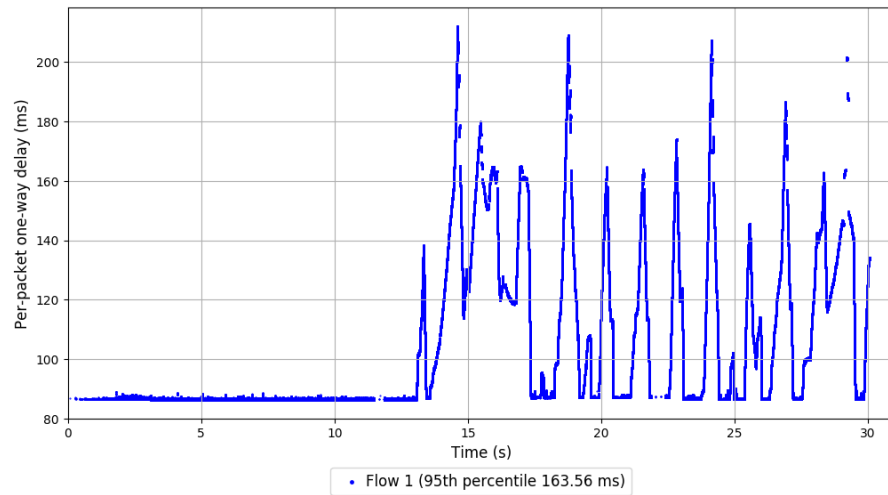
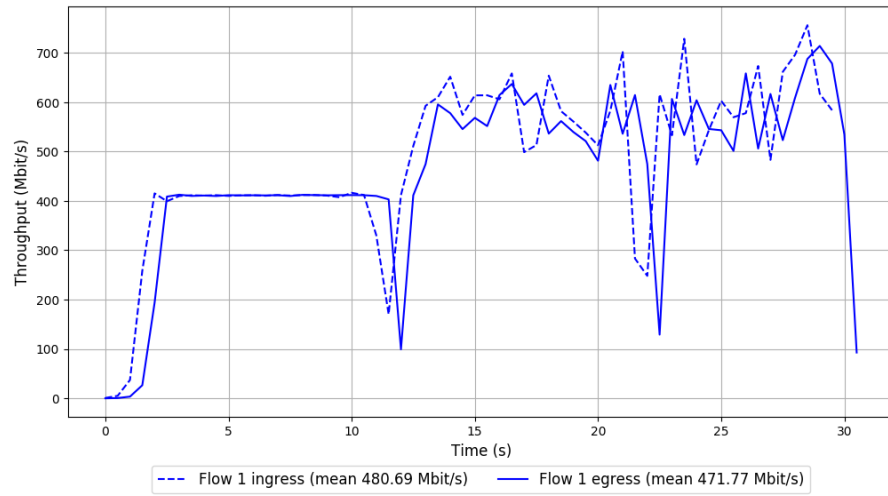


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 01:29:35
End at: 2018-08-09 01:30:05
Local clock offset: 24.448 ms
Remote clock offset: -14.758 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 471.77 Mbit/s
95th percentile per-packet one-way delay: 163.563 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 471.77 Mbit/s
95th percentile per-packet one-way delay: 163.563 ms
Loss rate: 1.86%

Run 5: Report of TCP BBR — Data Link

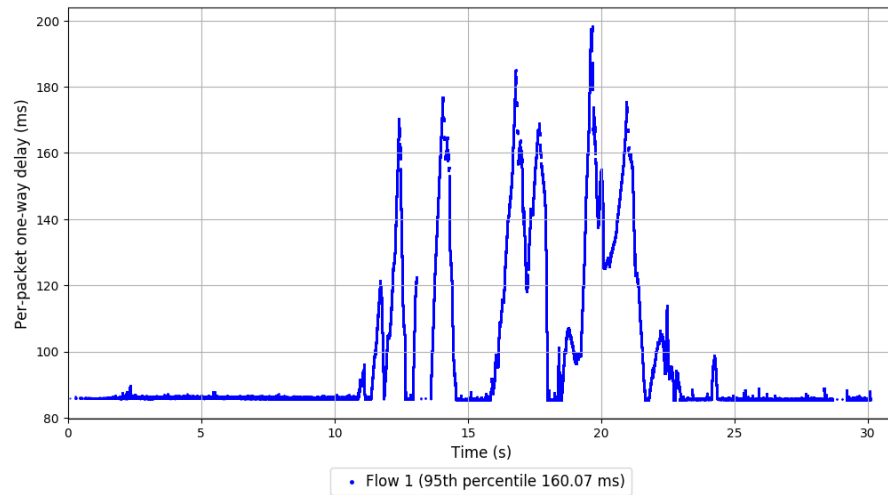
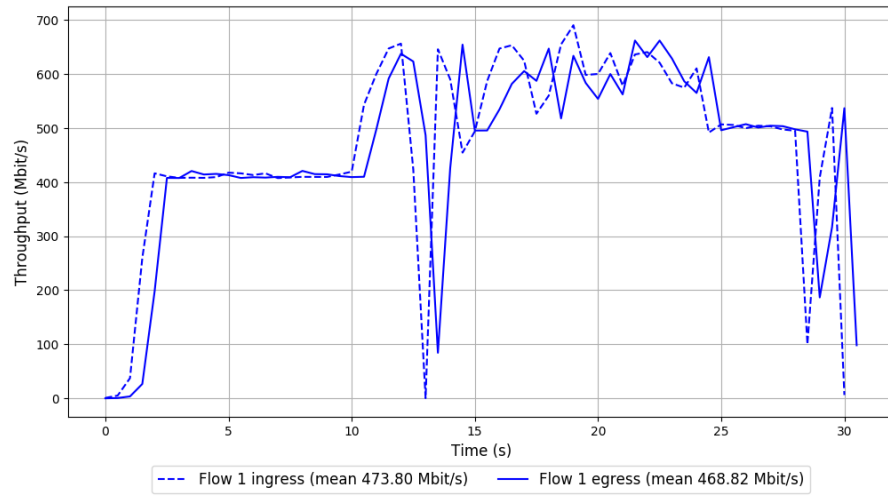


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 01:52:45
End at: 2018-08-09 01:53:15
Local clock offset: 6.857 ms
Remote clock offset: -8.619 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 468.82 Mbit/s
95th percentile per-packet one-way delay: 160.070 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 468.82 Mbit/s
95th percentile per-packet one-way delay: 160.070 ms
Loss rate: 1.05%

Run 6: Report of TCP BBR — Data Link

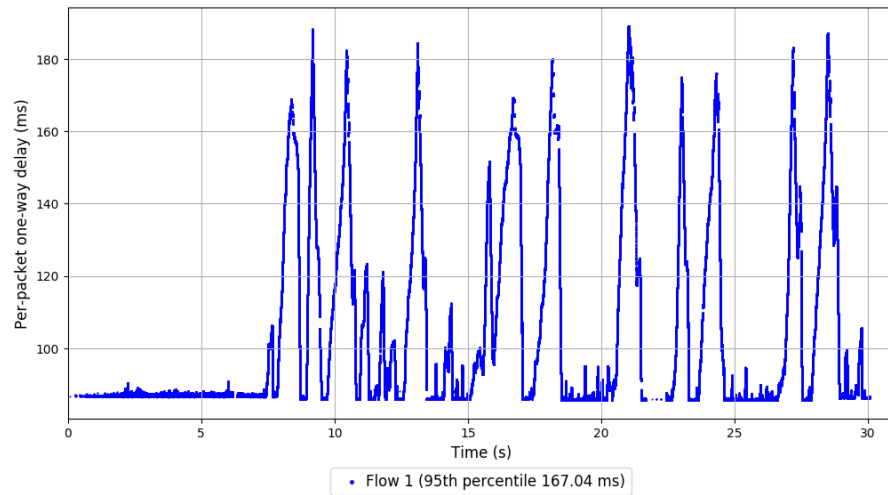
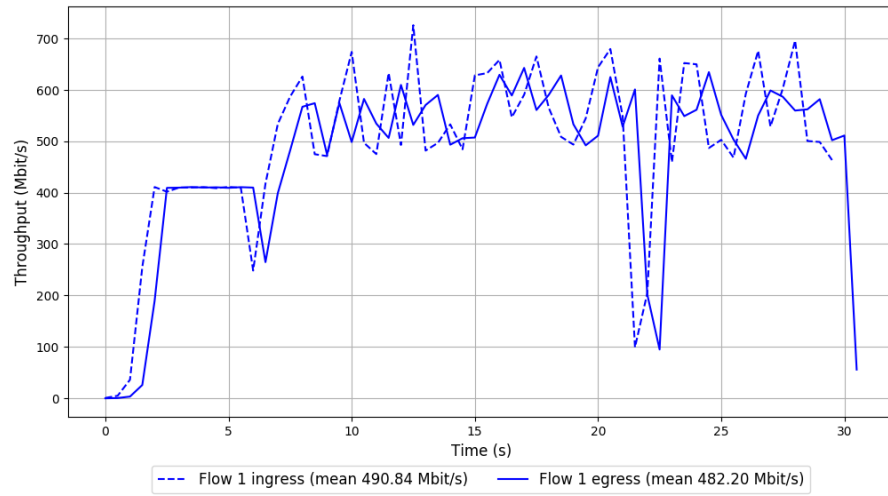


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 02:15:50
End at: 2018-08-09 02:16:20
Local clock offset: 3.802 ms
Remote clock offset: -4.367 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 482.20 Mbit/s
95th percentile per-packet one-way delay: 167.044 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 482.20 Mbit/s
95th percentile per-packet one-way delay: 167.044 ms
Loss rate: 1.76%

Run 7: Report of TCP BBR — Data Link

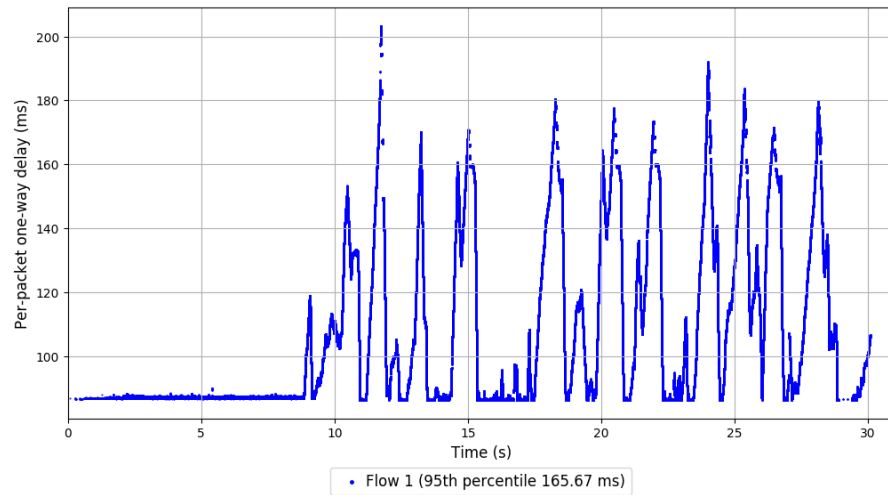
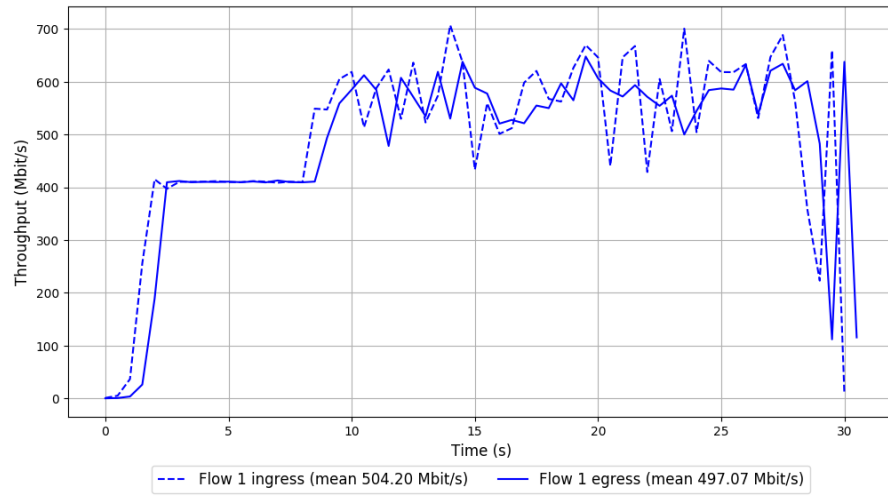


Run 8: Statistics of TCP BBR

Start at: 2018-08-09 02:39:17
End at: 2018-08-09 02:39:47
Local clock offset: 2.344 ms
Remote clock offset: -1.612 ms

Below is generated by plot.py at 2018-08-09 04:04:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 497.07 Mbit/s
95th percentile per-packet one-way delay: 165.671 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 497.07 Mbit/s
95th percentile per-packet one-way delay: 165.671 ms
Loss rate: 1.41%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 03:02:35

End at: 2018-08-09 03:03:05

Local clock offset: 1.047 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2018-08-09 04:12:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.63 Mbit/s

95th percentile per-packet one-way delay: 167.402 ms

Loss rate: 1.58%

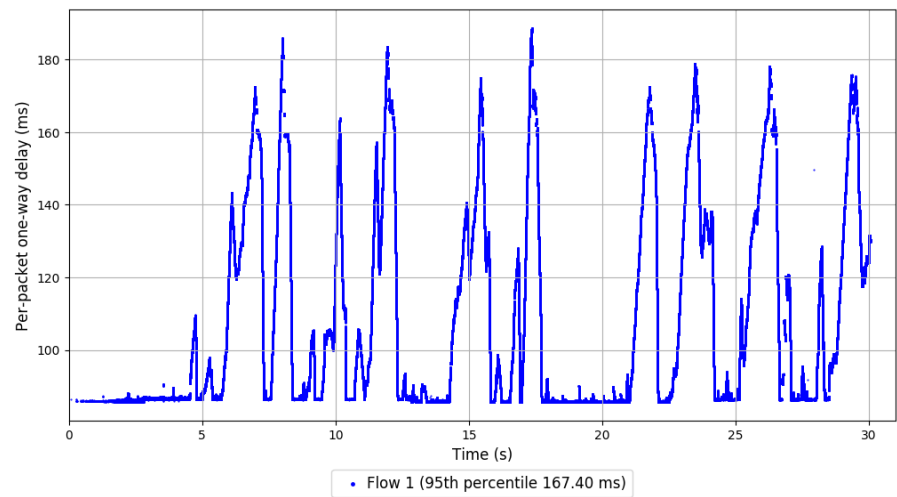
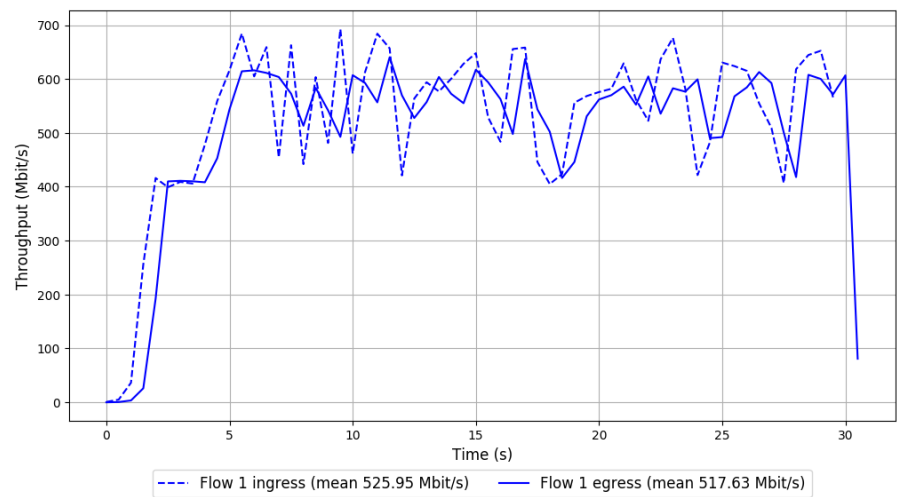
-- Flow 1:

Average throughput: 517.63 Mbit/s

95th percentile per-packet one-way delay: 167.402 ms

Loss rate: 1.58%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 03:26:15

End at: 2018-08-09 03:26:45

Local clock offset: 0.611 ms

Remote clock offset: -1.012 ms

Below is generated by plot.py at 2018-08-09 04:12:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.39 Mbit/s

95th percentile per-packet one-way delay: 167.227 ms

Loss rate: 1.85%

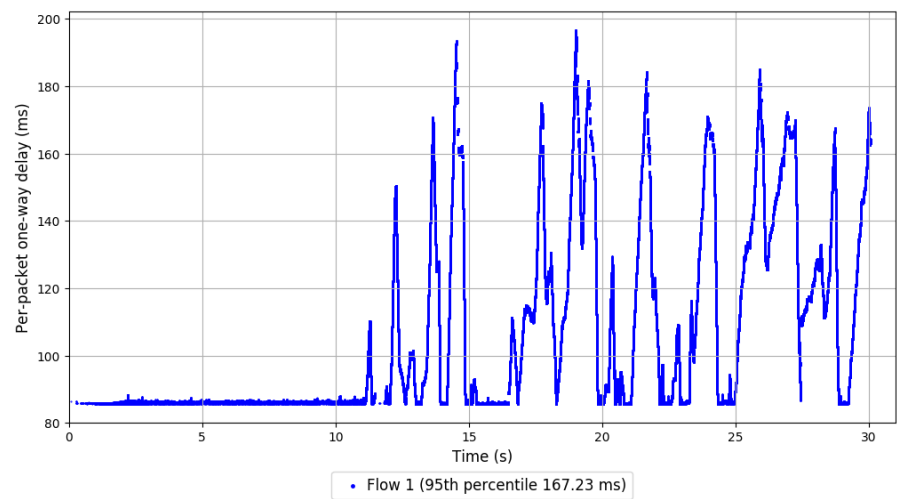
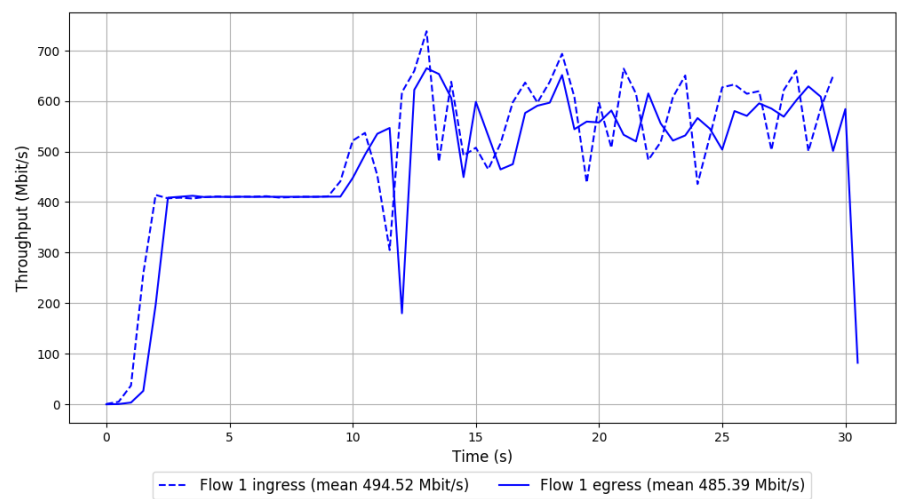
-- Flow 1:

Average throughput: 485.39 Mbit/s

95th percentile per-packet one-way delay: 167.227 ms

Loss rate: 1.85%

Run 10: Report of TCP BBR — Data Link

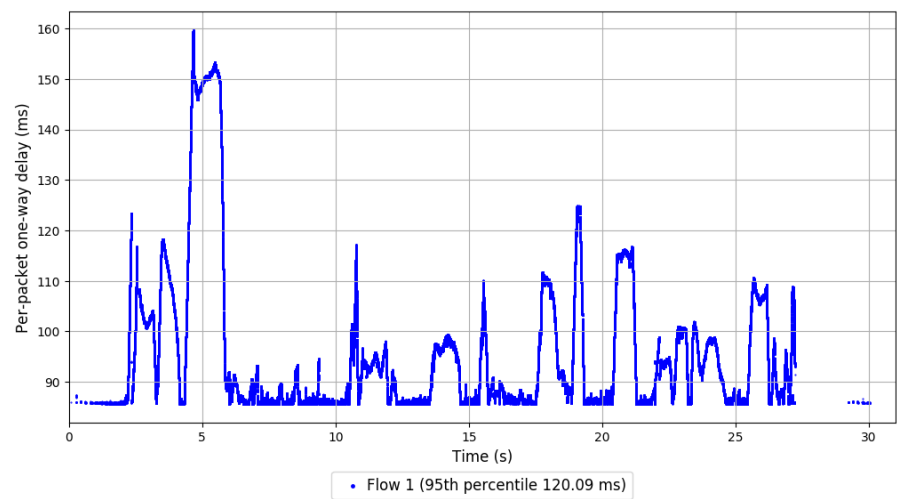
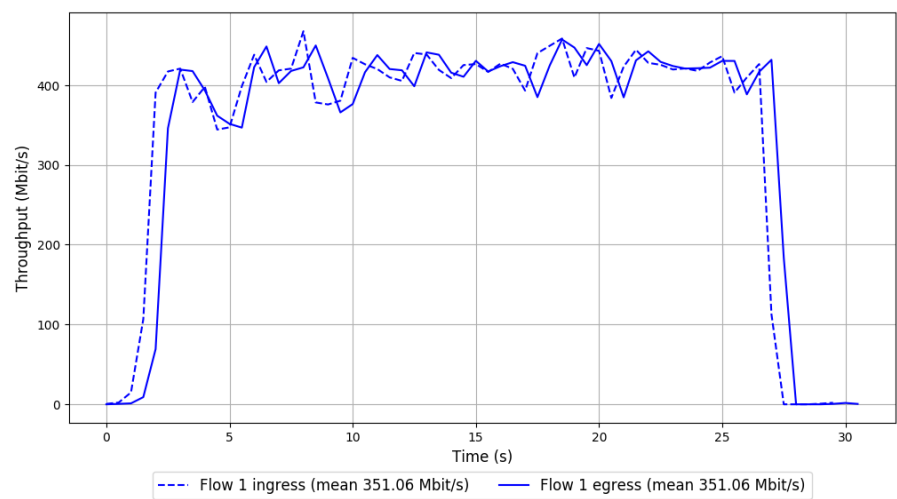


Run 1: Statistics of Copa

Start at: 2018-08-09 00:06:07
End at: 2018-08-09 00:06:38
Local clock offset: 19.932 ms
Remote clock offset: -26.347 ms

Below is generated by plot.py at 2018-08-09 04:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.06 Mbit/s
95th percentile per-packet one-way delay: 120.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.06 Mbit/s
95th percentile per-packet one-way delay: 120.088 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

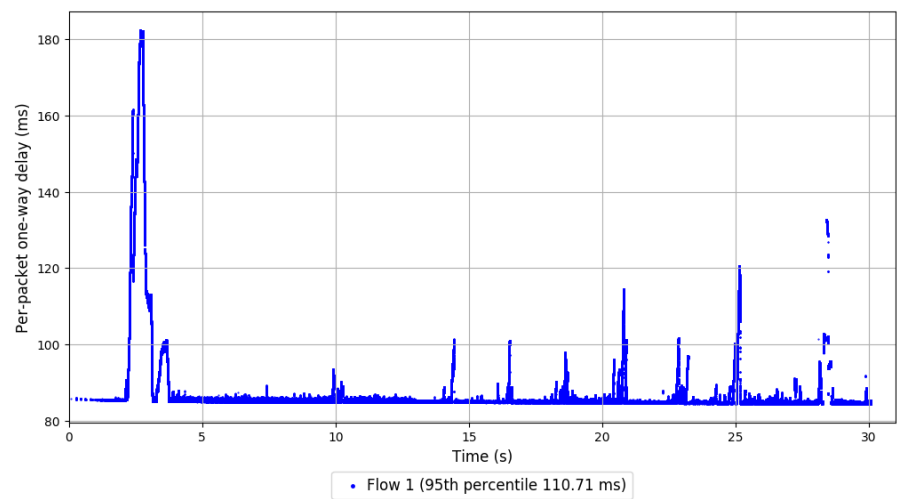
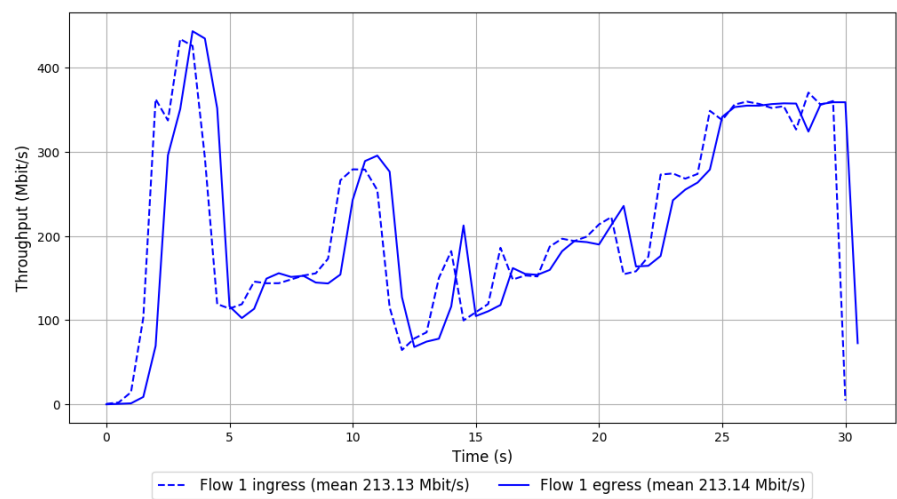


Run 2: Statistics of Copa

Start at: 2018-08-09 00:29:25
End at: 2018-08-09 00:29:55
Local clock offset: 34.949 ms
Remote clock offset: -20.342 ms

Below is generated by plot.py at 2018-08-09 04:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.14 Mbit/s
95th percentile per-packet one-way delay: 110.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.14 Mbit/s
95th percentile per-packet one-way delay: 110.712 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

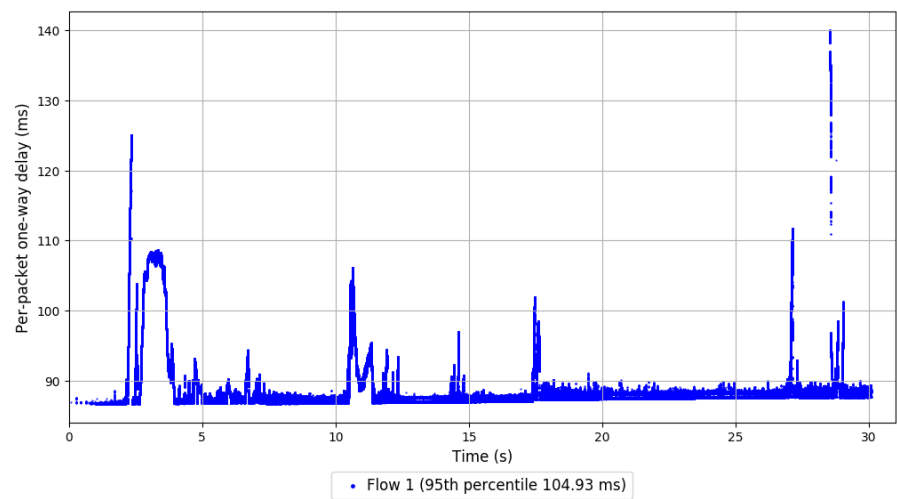
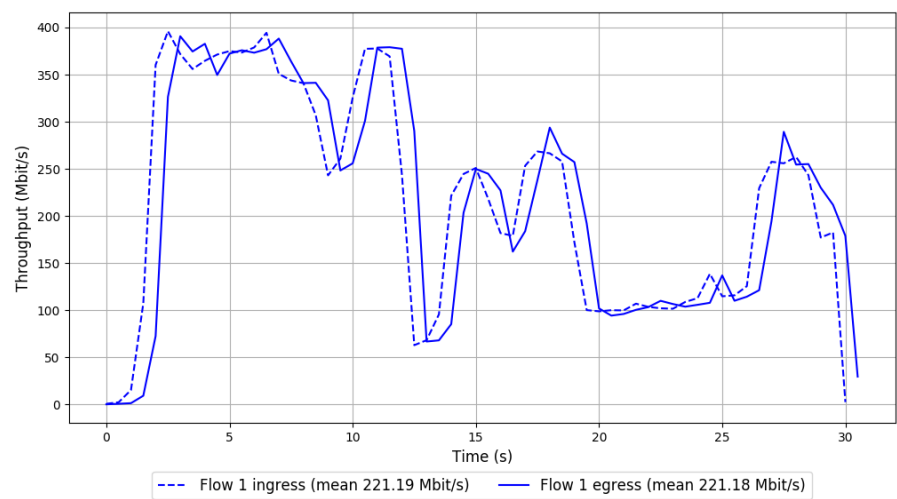


Run 3: Statistics of Copa

Start at: 2018-08-09 00:52:50
End at: 2018-08-09 00:53:20
Local clock offset: 43.101 ms
Remote clock offset: -22.496 ms

Below is generated by plot.py at 2018-08-09 04:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 104.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 104.926 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

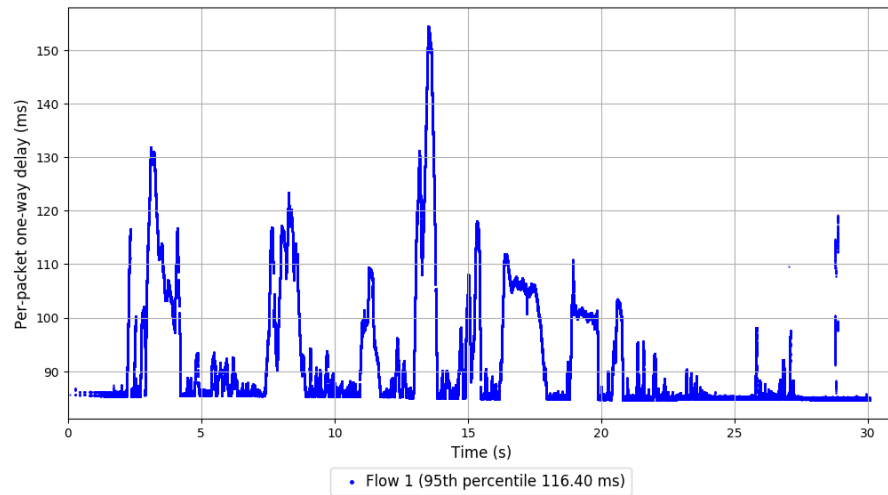
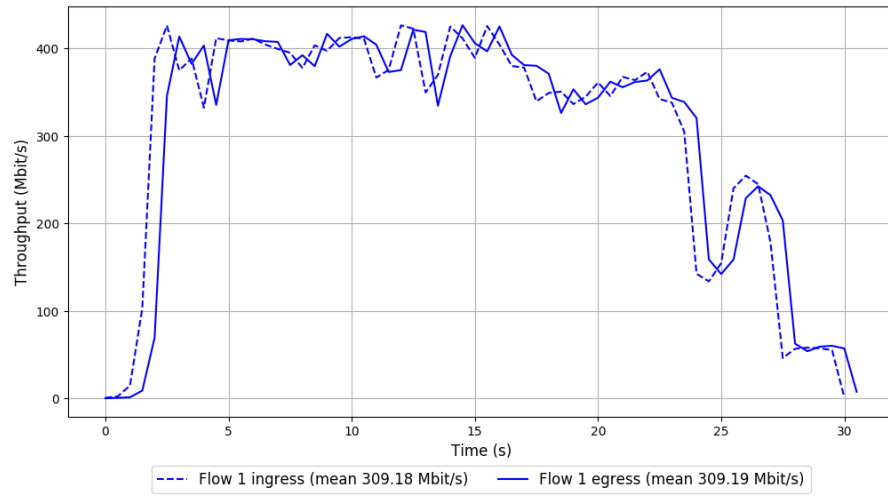


Run 4: Statistics of Copa

Start at: 2018-08-09 01:16:04
End at: 2018-08-09 01:16:34
Local clock offset: 22.17 ms
Remote clock offset: -23.171 ms

Below is generated by plot.py at 2018-08-09 04:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.19 Mbit/s
95th percentile per-packet one-way delay: 116.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.19 Mbit/s
95th percentile per-packet one-way delay: 116.398 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

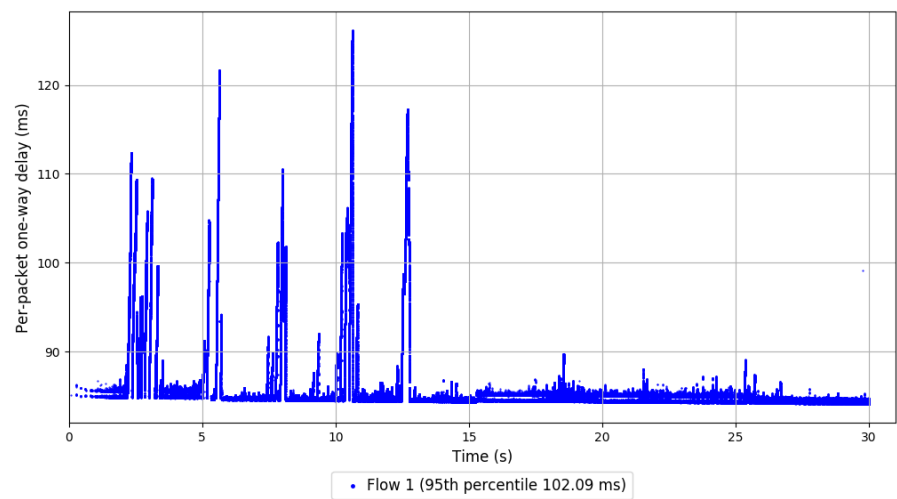
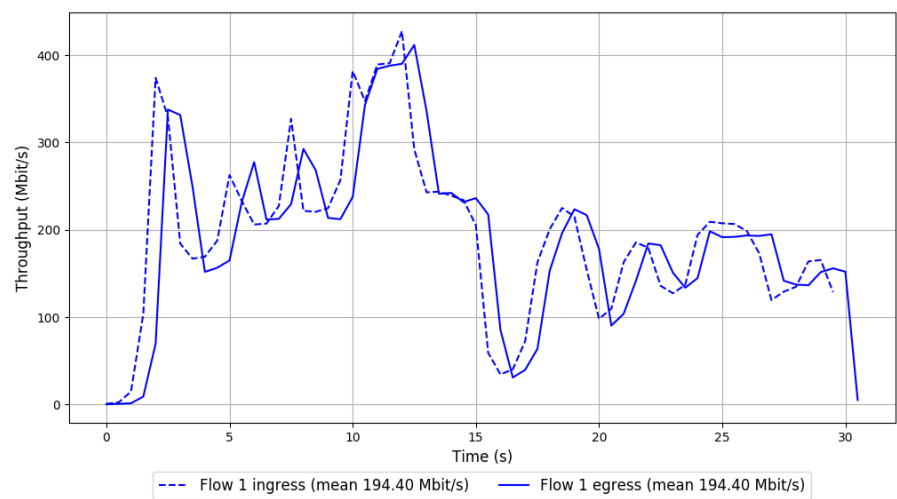


Run 5: Statistics of Copa

Start at: 2018-08-09 01:39:23
End at: 2018-08-09 01:39:53
Local clock offset: 20.29 ms
Remote clock offset: -17.459 ms

Below is generated by plot.py at 2018-08-09 04:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.40 Mbit/s
95th percentile per-packet one-way delay: 102.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.40 Mbit/s
95th percentile per-packet one-way delay: 102.093 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

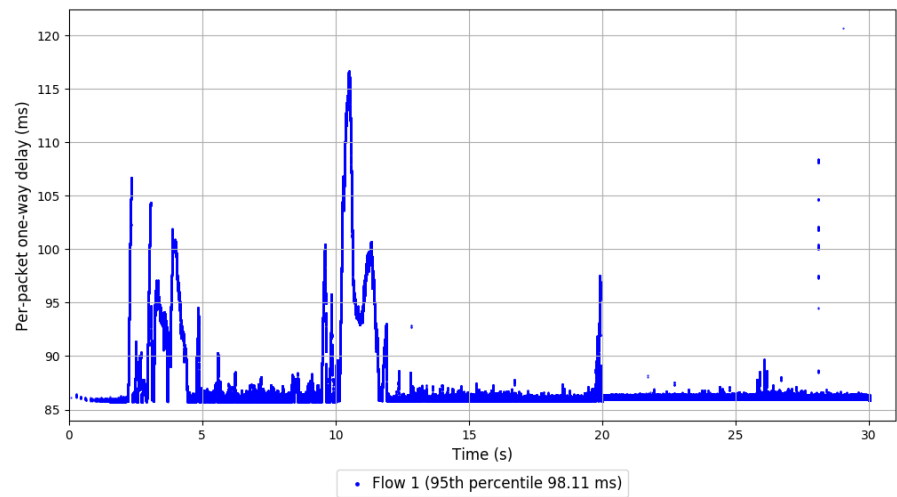
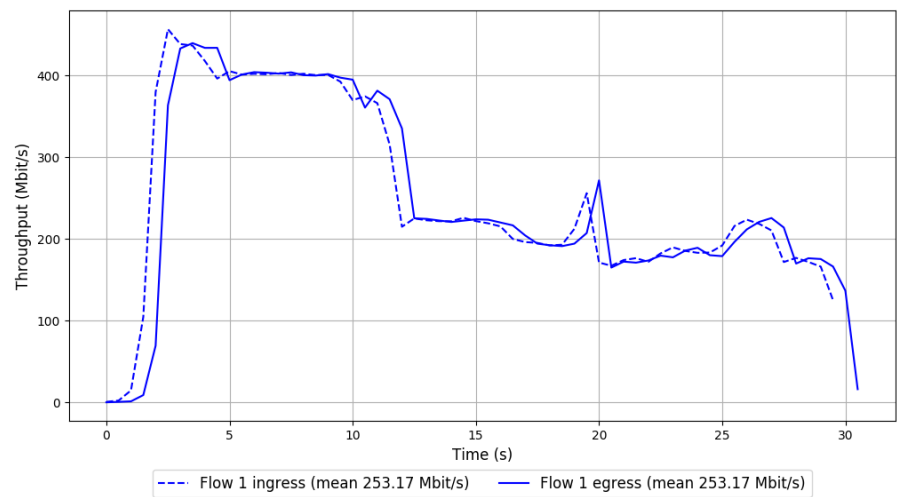


Run 6: Statistics of Copa

Start at: 2018-08-09 02:02:28
End at: 2018-08-09 02:02:58
Local clock offset: 5.986 ms
Remote clock offset: -4.658 ms

Below is generated by plot.py at 2018-08-09 04:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.17 Mbit/s
95th percentile per-packet one-way delay: 98.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 253.17 Mbit/s
95th percentile per-packet one-way delay: 98.110 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

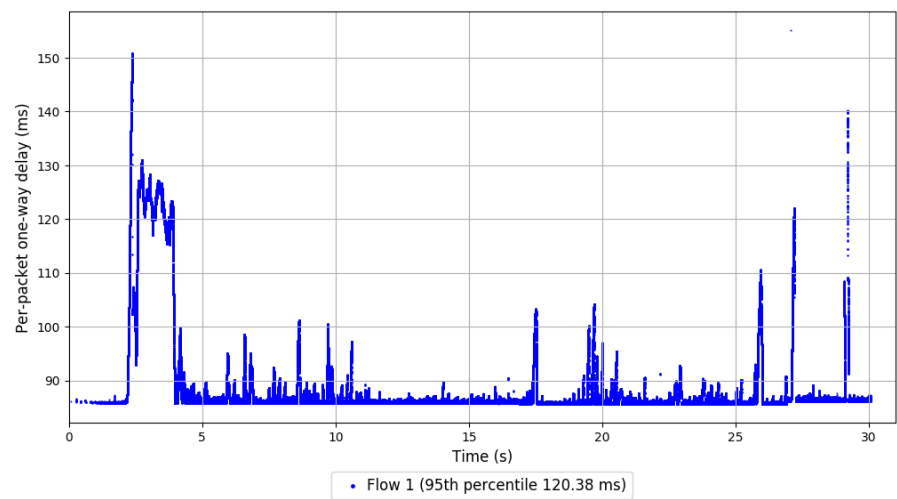
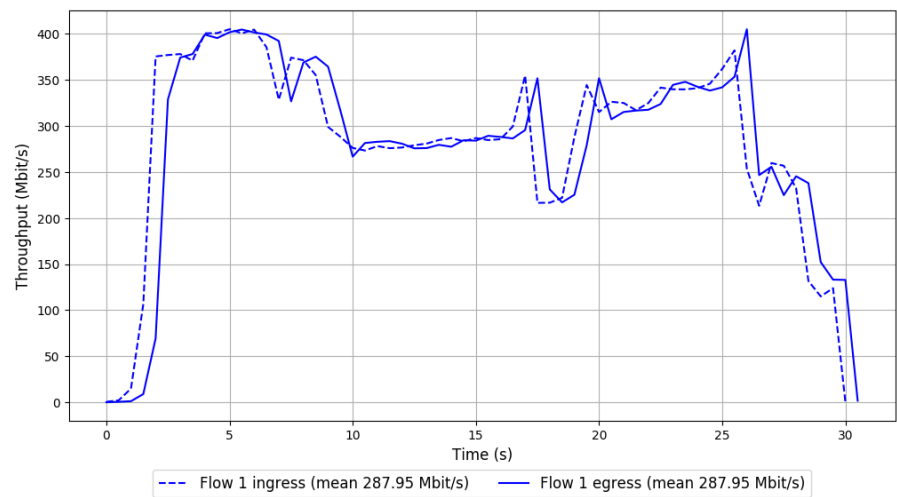


Run 7: Statistics of Copa

Start at: 2018-08-09 02:25:51
End at: 2018-08-09 02:26:21
Local clock offset: 2.47 ms
Remote clock offset: -2.374 ms

Below is generated by plot.py at 2018-08-09 04:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.95 Mbit/s
95th percentile per-packet one-way delay: 120.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 287.95 Mbit/s
95th percentile per-packet one-way delay: 120.375 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

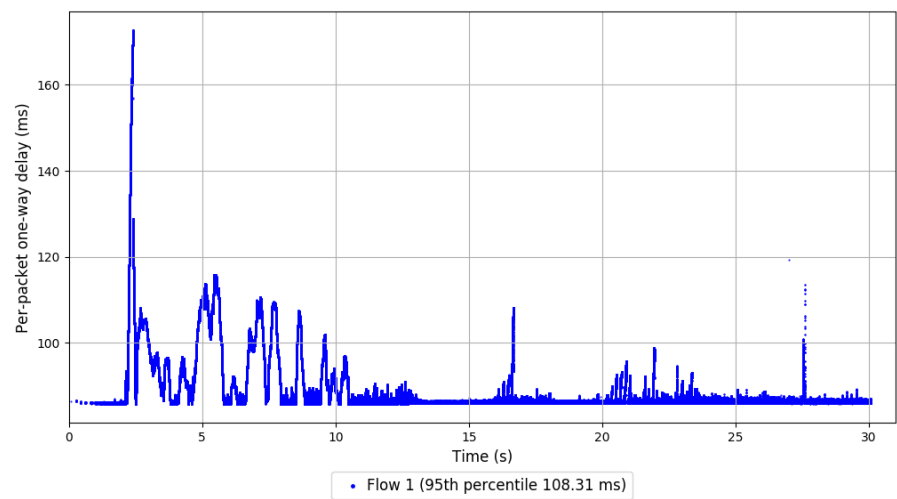
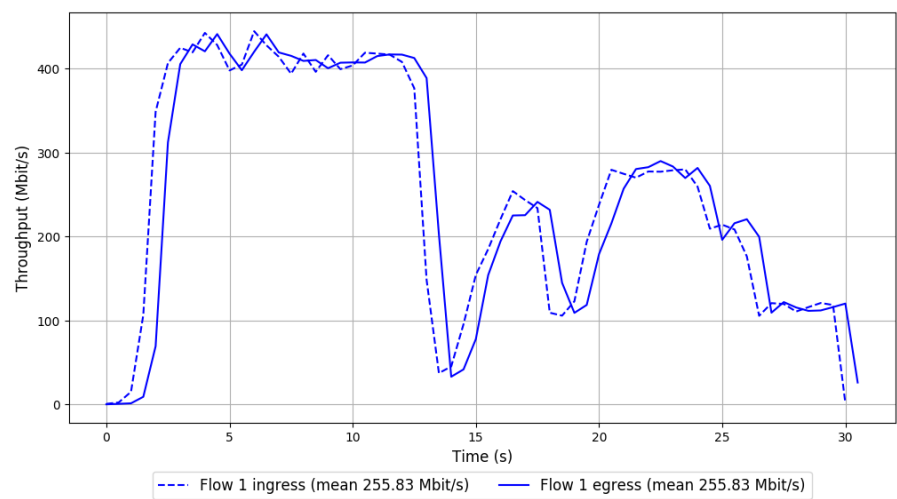


Run 8: Statistics of Copa

Start at: 2018-08-09 02:49:05
End at: 2018-08-09 02:49:35
Local clock offset: 1.673 ms
Remote clock offset: -1.921 ms

Below is generated by plot.py at 2018-08-09 04:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.83 Mbit/s
95th percentile per-packet one-way delay: 108.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 255.83 Mbit/s
95th percentile per-packet one-way delay: 108.305 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

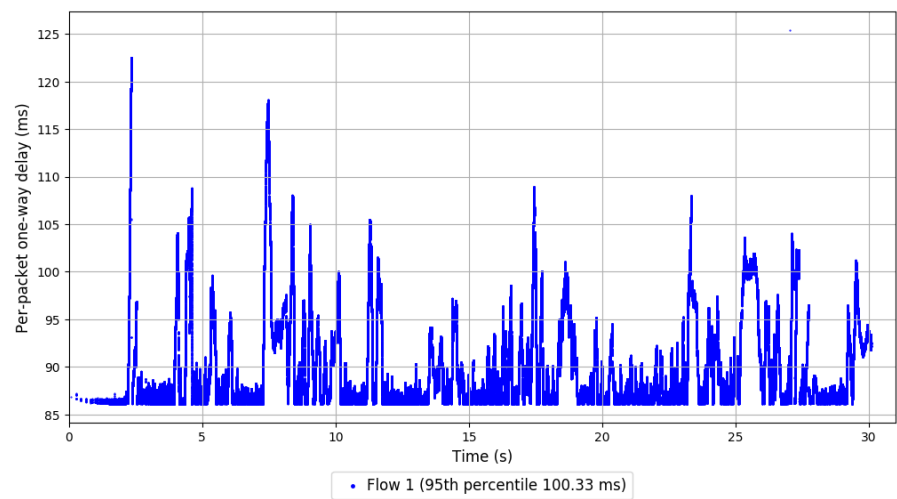
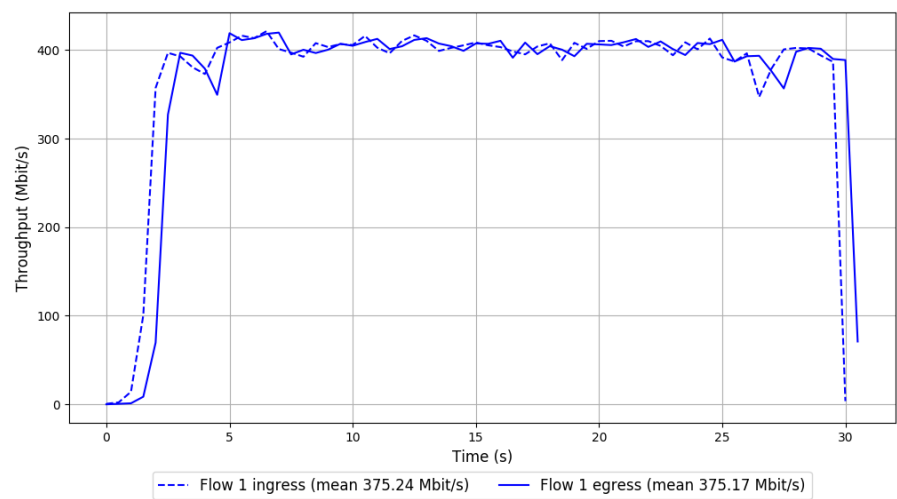


Run 9: Statistics of Copa

Start at: 2018-08-09 03:12:31
End at: 2018-08-09 03:13:01
Local clock offset: 1.081 ms
Remote clock offset: -0.786 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.17 Mbit/s
95th percentile per-packet one-way delay: 100.329 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 375.17 Mbit/s
95th percentile per-packet one-way delay: 100.329 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-09 03:36:05

End at: 2018-08-09 03:36:35

Local clock offset: 0.033 ms

Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-08-09 04:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.07 Mbit/s

95th percentile per-packet one-way delay: 116.452 ms

Loss rate: 0.02%

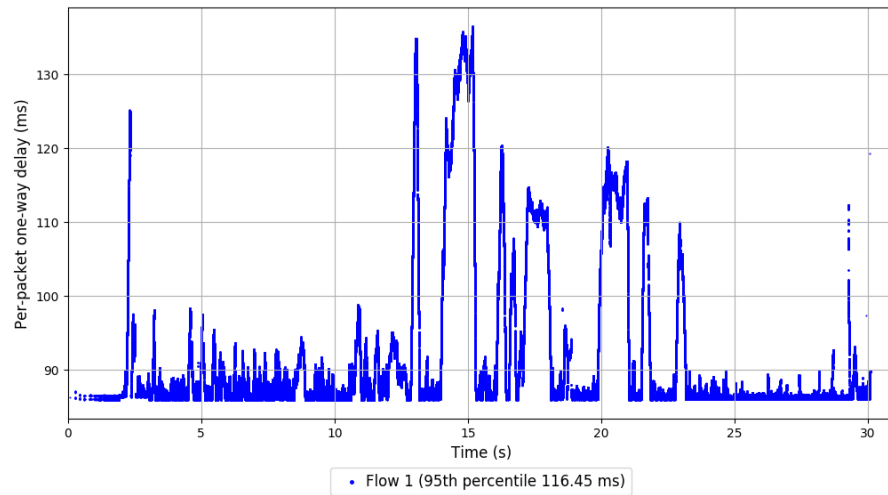
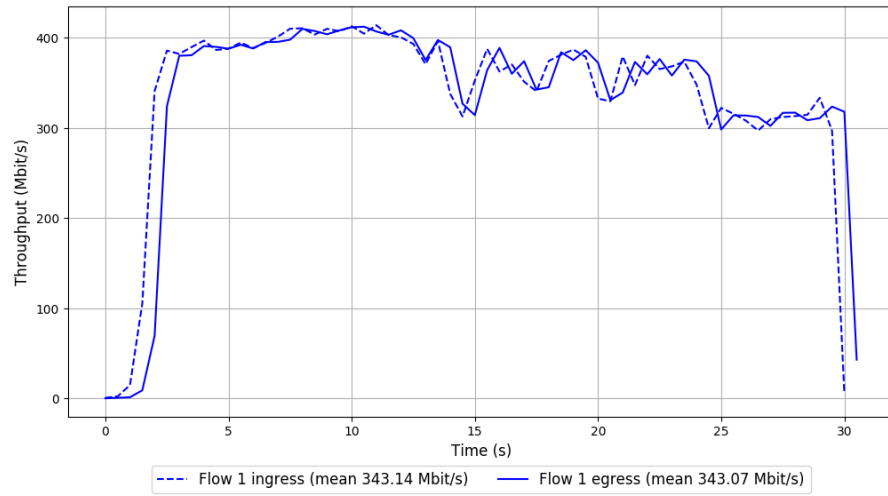
-- Flow 1:

Average throughput: 343.07 Mbit/s

95th percentile per-packet one-way delay: 116.452 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

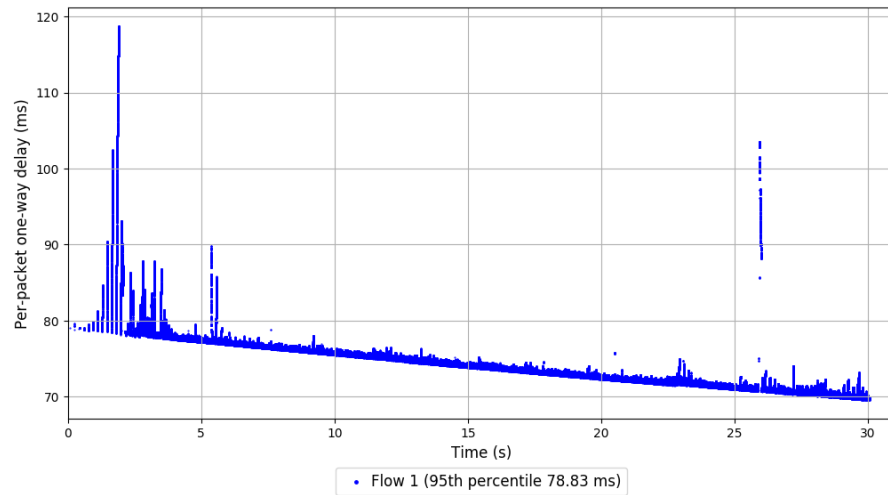
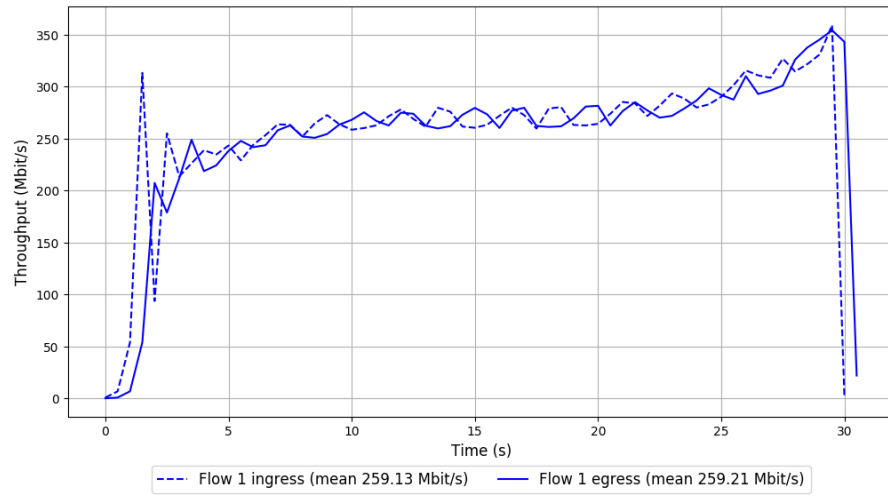


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 00:02:15
End at: 2018-08-09 00:02:45
Local clock offset: 49.119 ms
Remote clock offset: -35.623 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.21 Mbit/s
95th percentile per-packet one-way delay: 78.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 259.21 Mbit/s
95th percentile per-packet one-way delay: 78.835 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

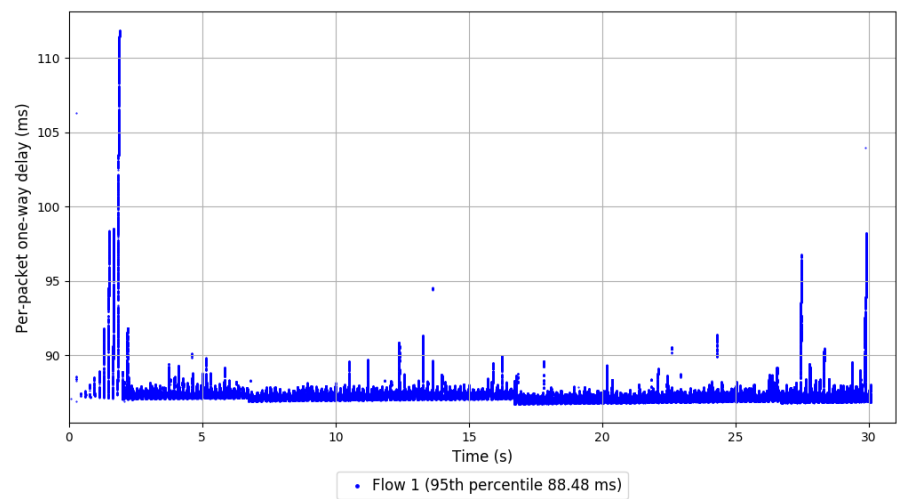
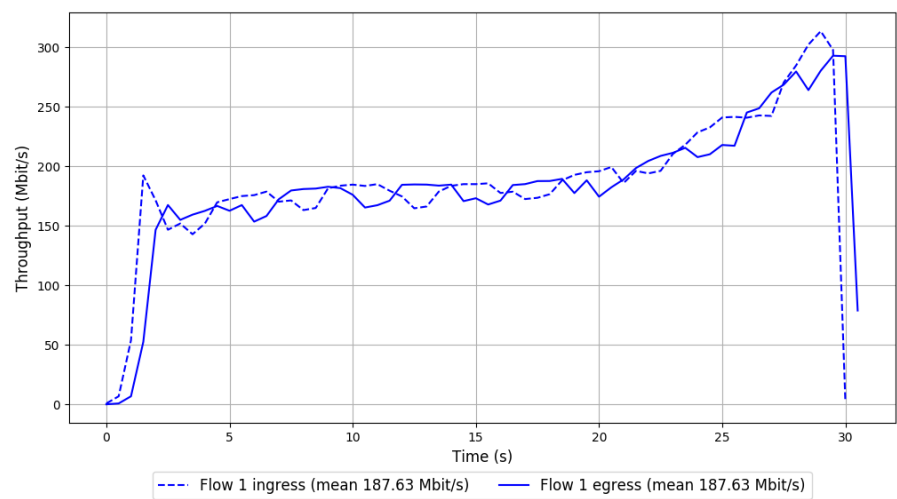


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 00:25:31
End at: 2018-08-09 00:26:01
Local clock offset: 34.235 ms
Remote clock offset: -21.787 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 88.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 88.476 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

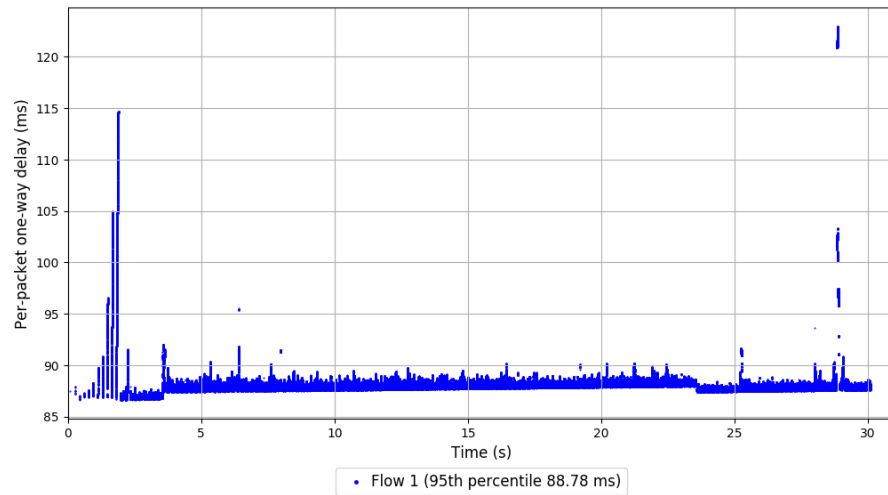
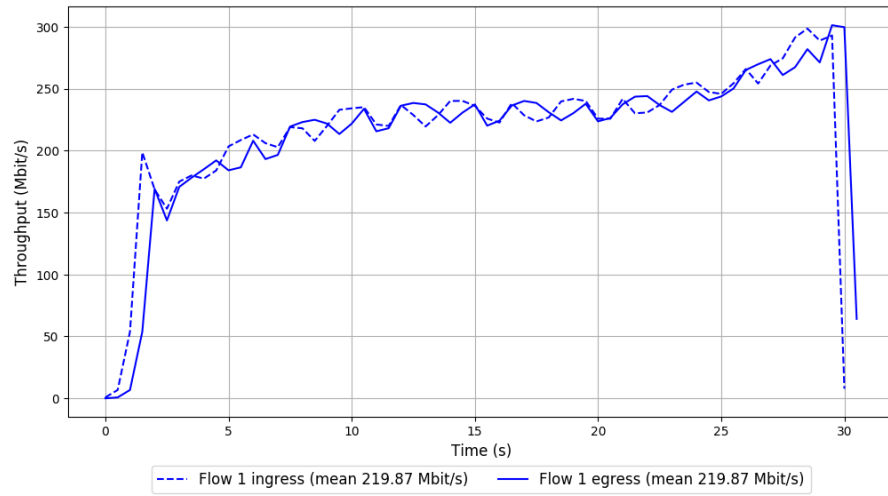


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 00:48:54
End at: 2018-08-09 00:49:24
Local clock offset: 37.793 ms
Remote clock offset: -20.335 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.87 Mbit/s
95th percentile per-packet one-way delay: 88.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.87 Mbit/s
95th percentile per-packet one-way delay: 88.785 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

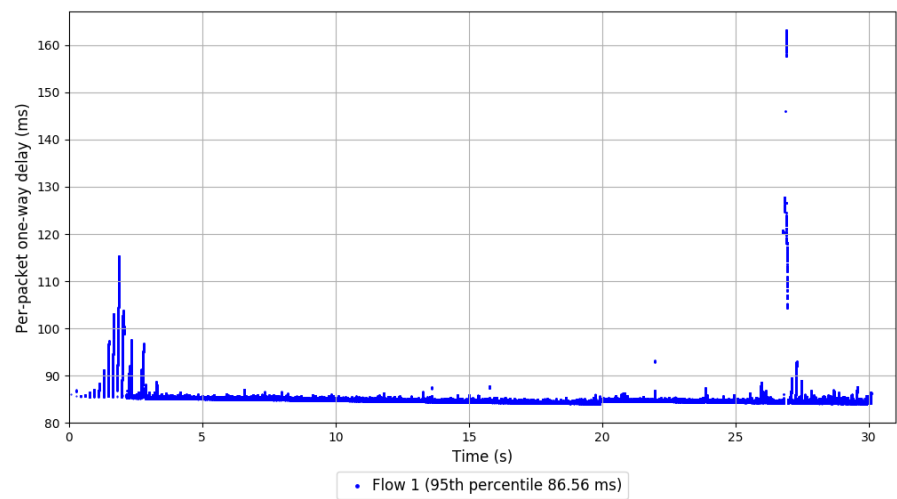
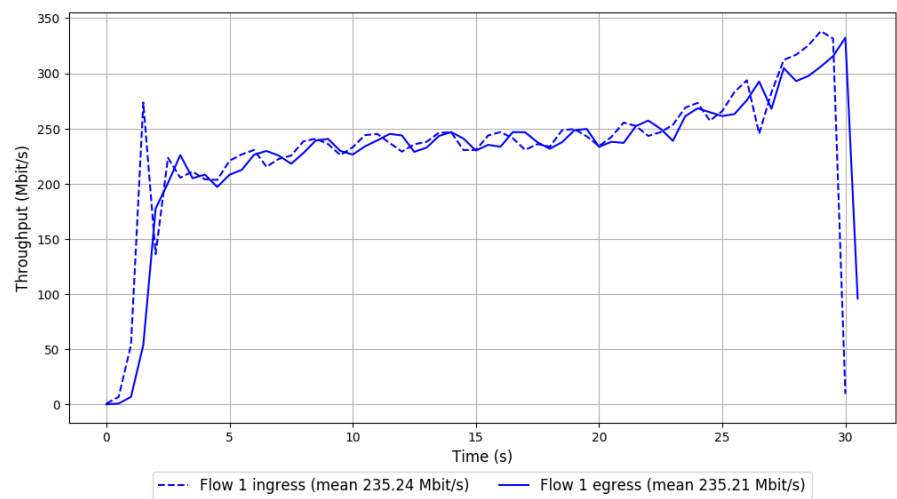


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 01:12:08
End at: 2018-08-09 01:12:38
Local clock offset: 25.232 ms
Remote clock offset: -32.392 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.21 Mbit/s
95th percentile per-packet one-way delay: 86.555 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 235.21 Mbit/s
95th percentile per-packet one-way delay: 86.555 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

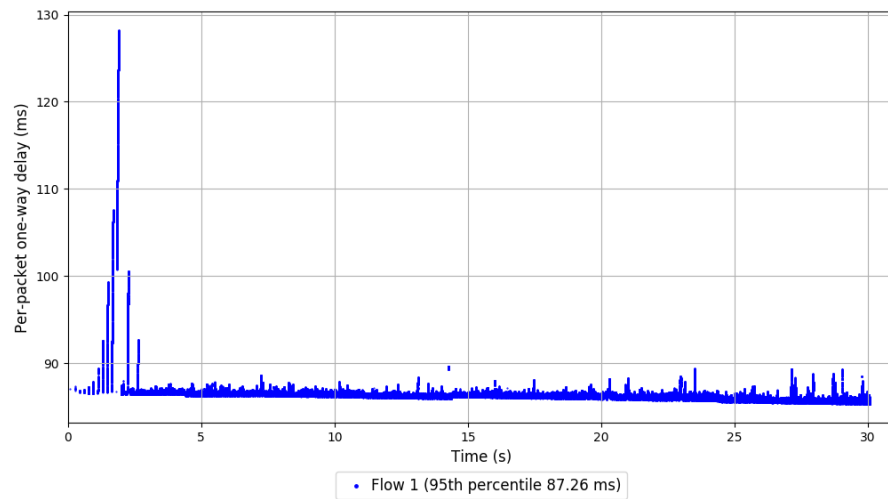
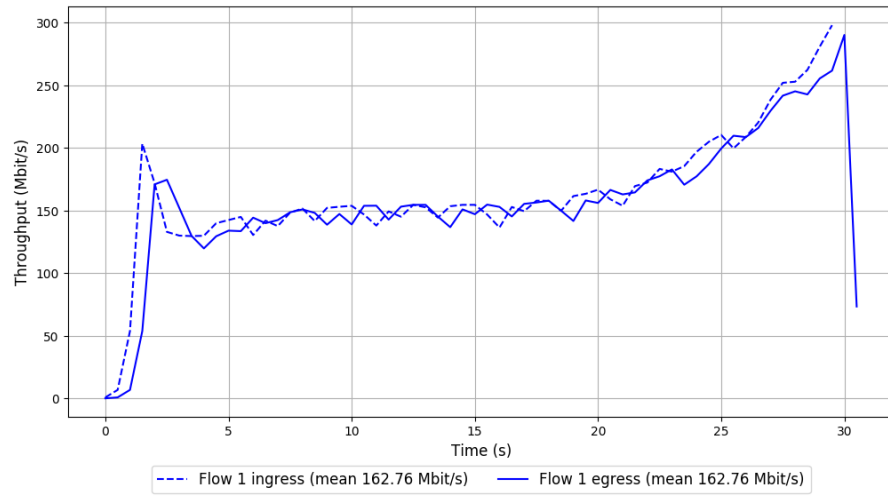


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 01:35:34
End at: 2018-08-09 01:36:04
Local clock offset: 28.409 ms
Remote clock offset: -16.025 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.76 Mbit/s
95th percentile per-packet one-way delay: 87.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.76 Mbit/s
95th percentile per-packet one-way delay: 87.259 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

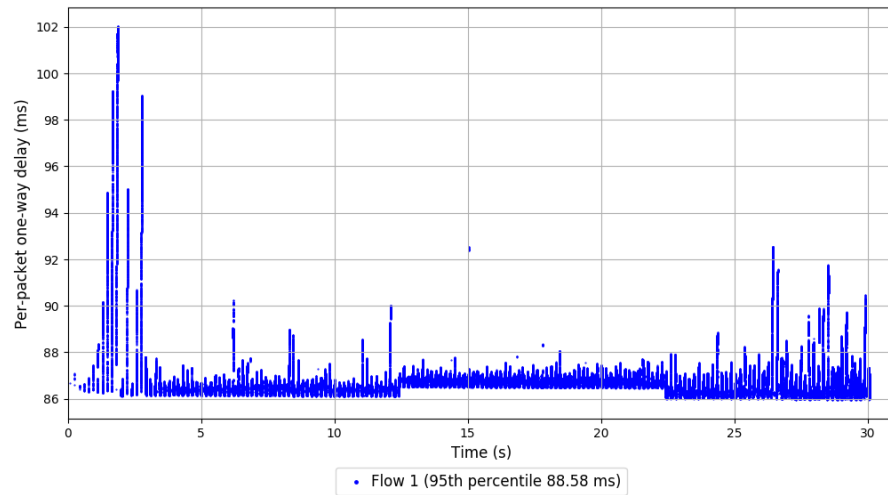
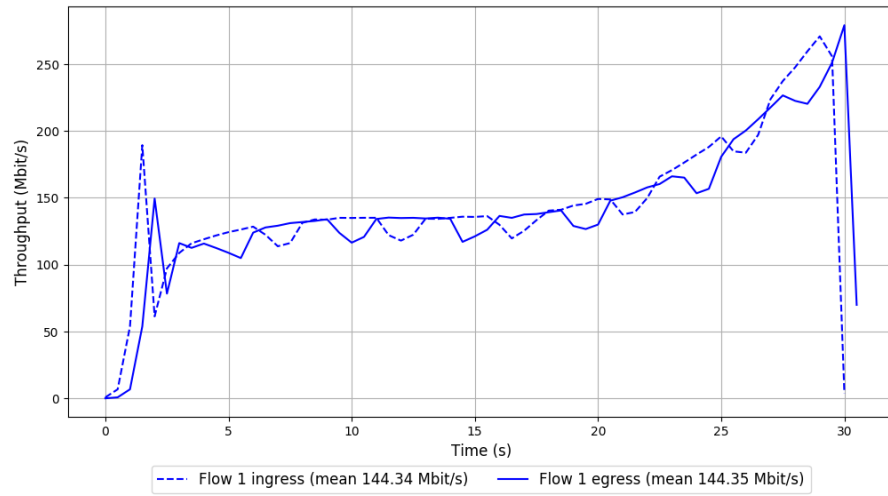


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 01:58:36
End at: 2018-08-09 01:59:06
Local clock offset: 5.726 ms
Remote clock offset: -5.547 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.35 Mbit/s
95th percentile per-packet one-way delay: 88.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.35 Mbit/s
95th percentile per-packet one-way delay: 88.576 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

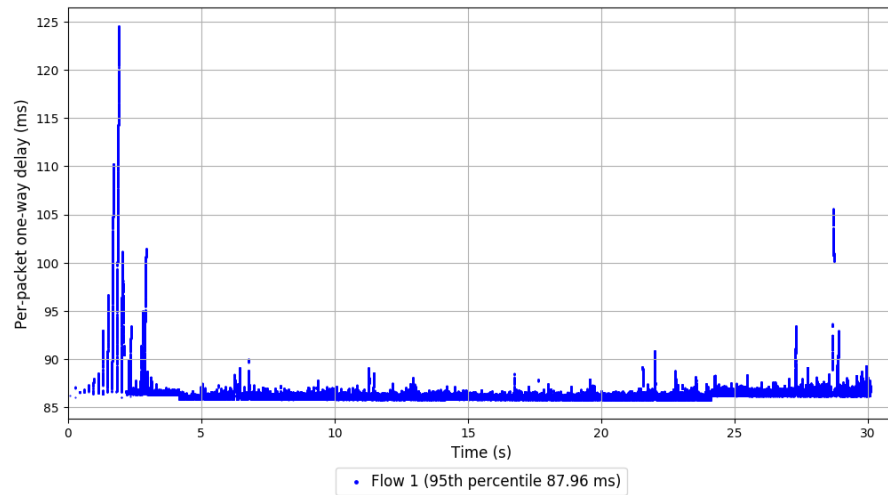
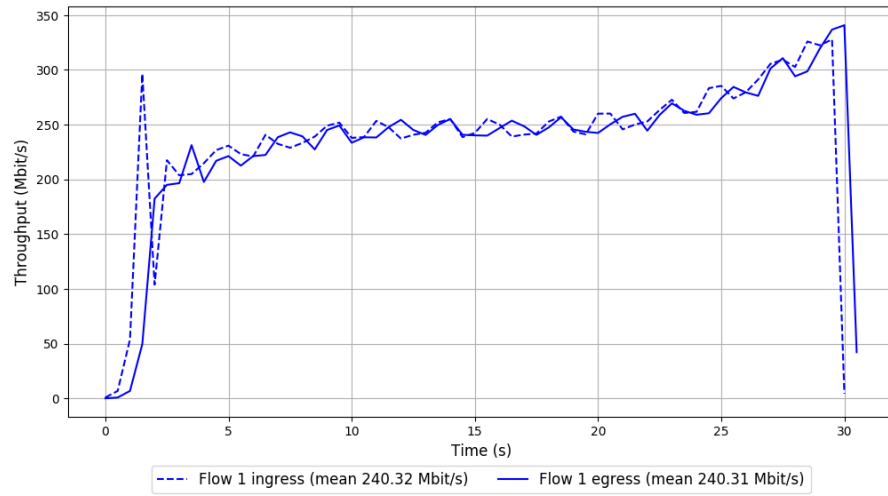


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 02:21:54
End at: 2018-08-09 02:22:24
Local clock offset: 2.584 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.31 Mbit/s
95th percentile per-packet one-way delay: 87.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.31 Mbit/s
95th percentile per-packet one-way delay: 87.958 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 02:45:17

End at: 2018-08-09 02:45:47

Local clock offset: 2.642 ms

Remote clock offset: -1.76 ms

Below is generated by plot.py at 2018-08-09 04:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.02 Mbit/s

95th percentile per-packet one-way delay: 87.414 ms

Loss rate: 0.00%

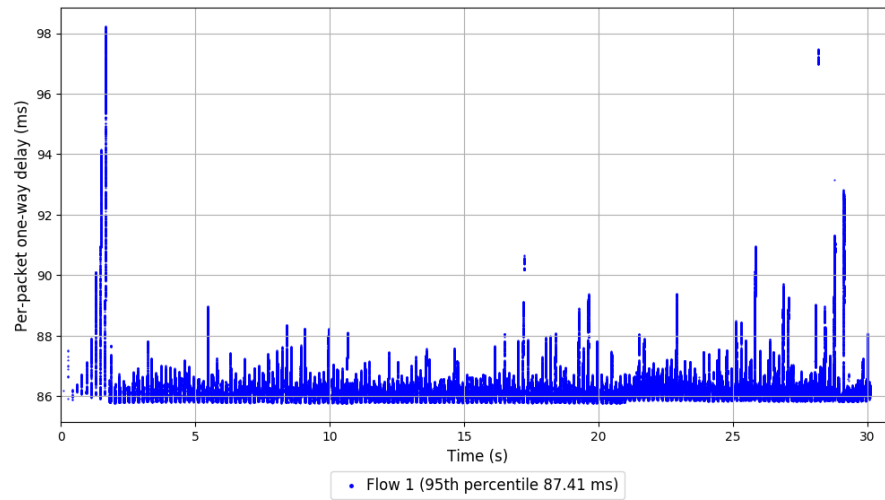
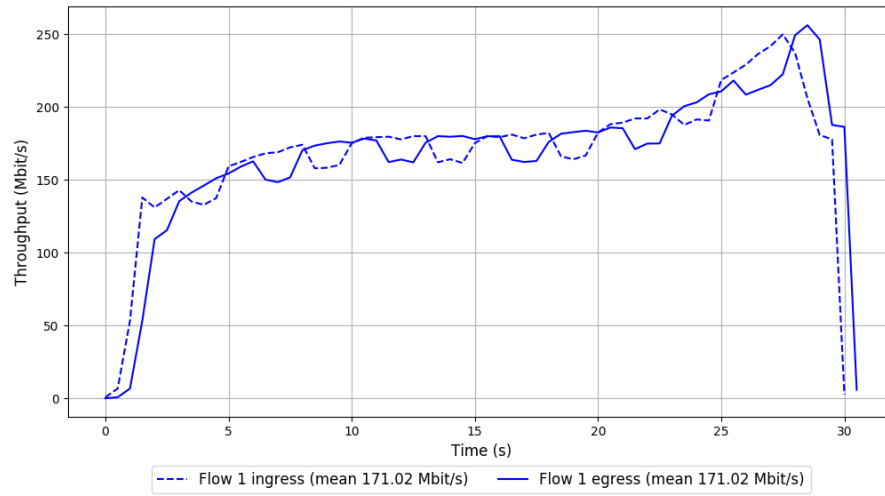
-- Flow 1:

Average throughput: 171.02 Mbit/s

95th percentile per-packet one-way delay: 87.414 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

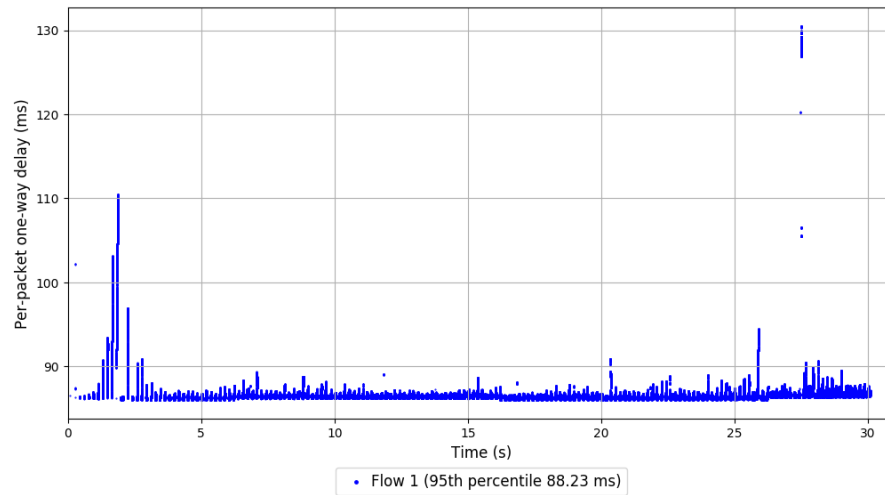
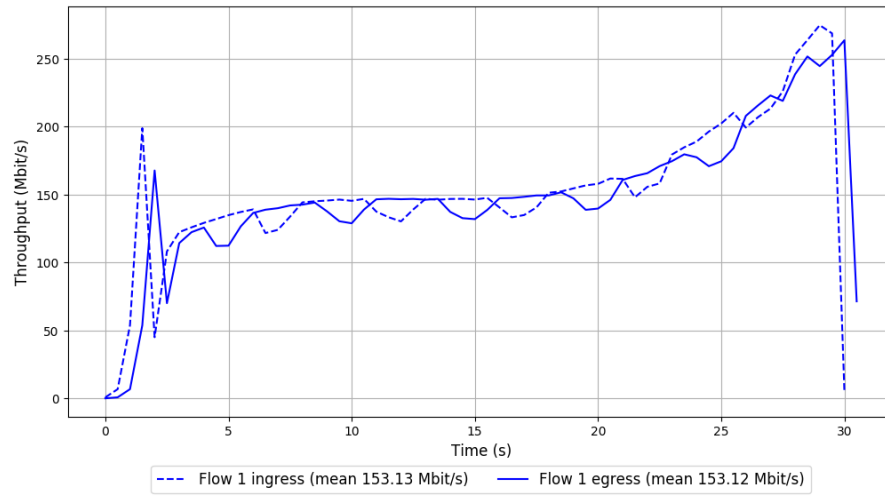


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 03:08:42
End at: 2018-08-09 03:09:12
Local clock offset: 0.842 ms
Remote clock offset: -0.779 ms

Below is generated by plot.py at 2018-08-09 04:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.12 Mbit/s
95th percentile per-packet one-way delay: 88.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.12 Mbit/s
95th percentile per-packet one-way delay: 88.232 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 03:32:12

End at: 2018-08-09 03:32:42

Local clock offset: 0.042 ms

Remote clock offset: -0.656 ms

Below is generated by plot.py at 2018-08-09 04:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.30 Mbit/s

95th percentile per-packet one-way delay: 88.058 ms

Loss rate: 0.00%

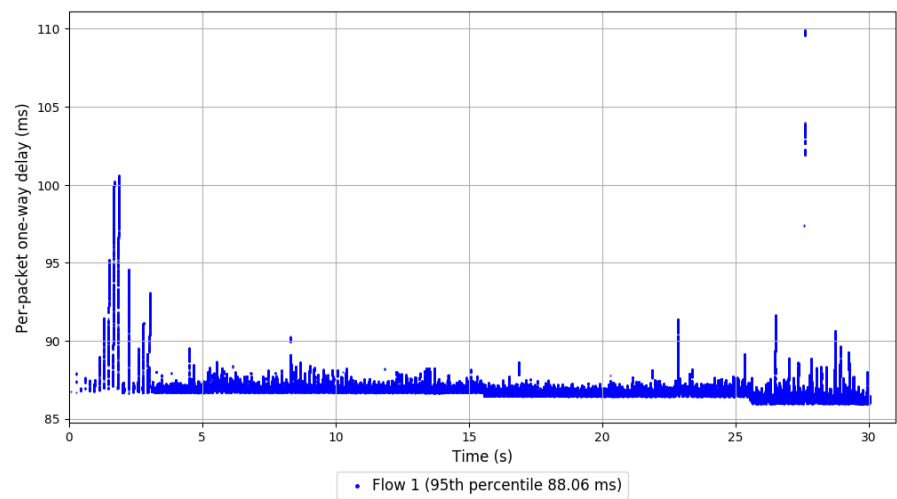
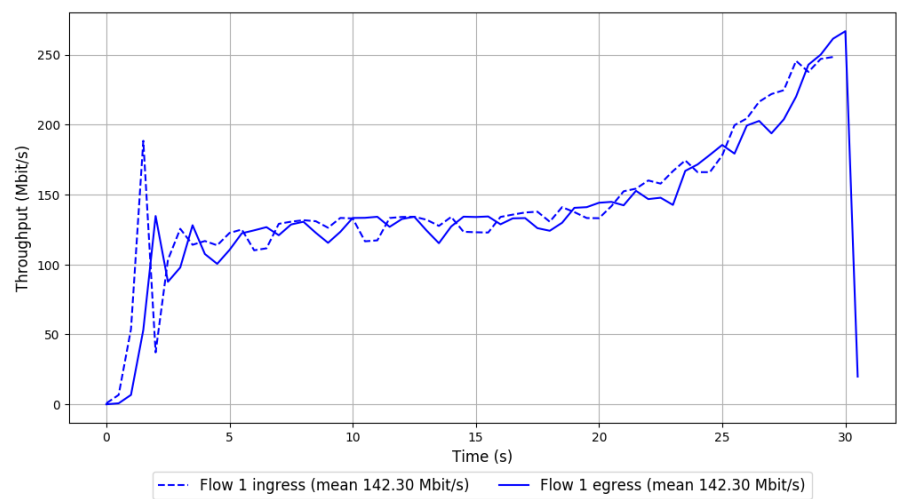
-- Flow 1:

Average throughput: 142.30 Mbit/s

95th percentile per-packet one-way delay: 88.058 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

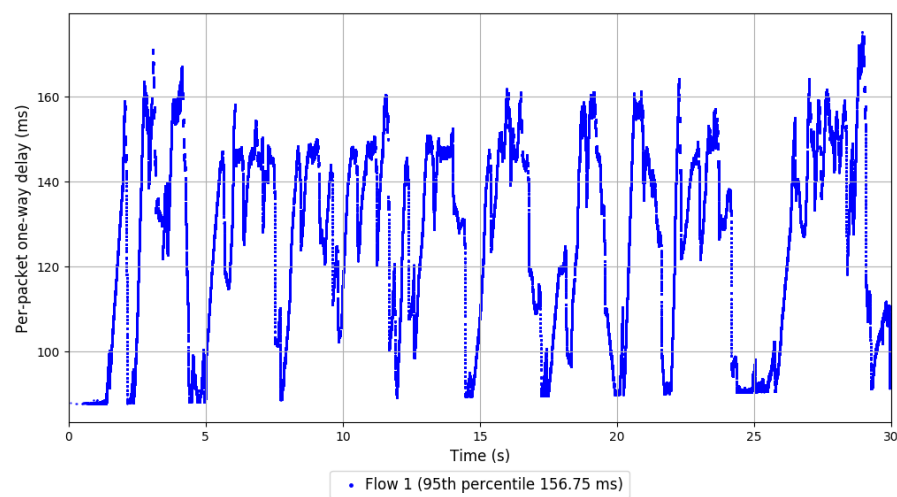
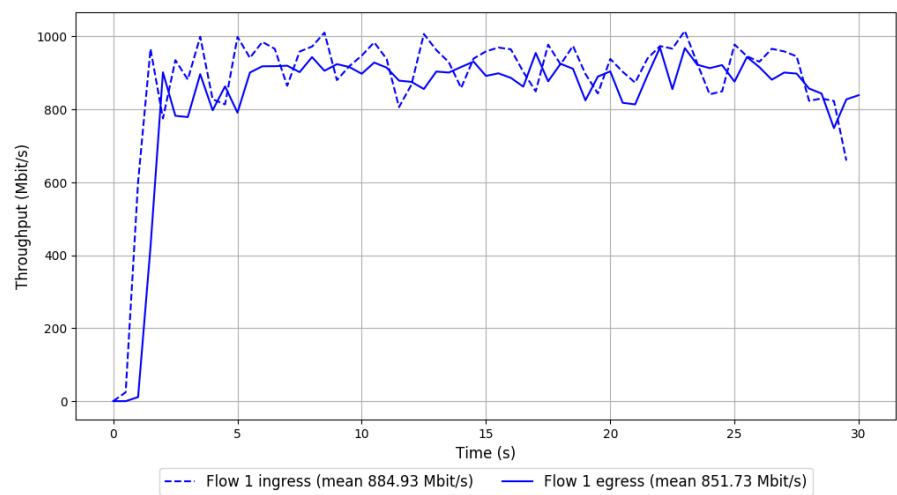


Run 1: Statistics of FillP

Start at: 2018-08-08 23:57:52
End at: 2018-08-08 23:58:22
Local clock offset: 30.197 ms
Remote clock offset: -21.149 ms

Below is generated by plot.py at 2018-08-09 04:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 851.73 Mbit/s
95th percentile per-packet one-way delay: 156.755 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 851.73 Mbit/s
95th percentile per-packet one-way delay: 156.755 ms
Loss rate: 3.74%

Run 1: Report of FillP — Data Link

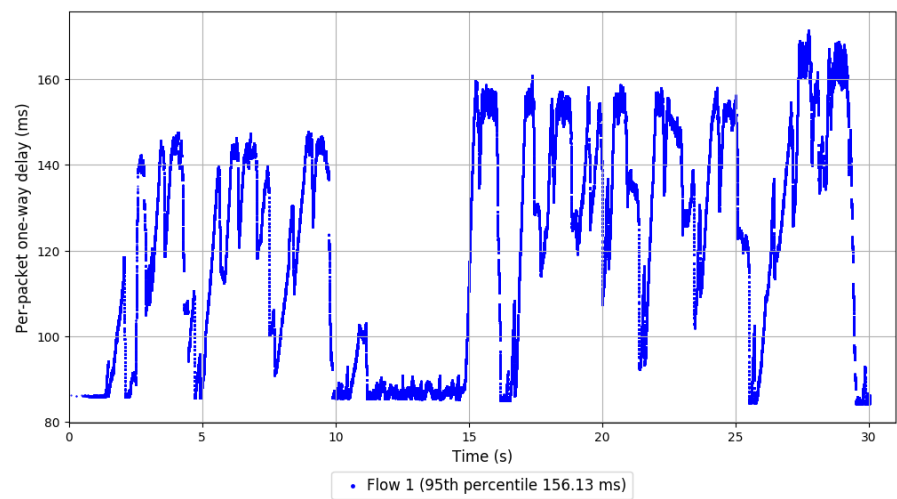
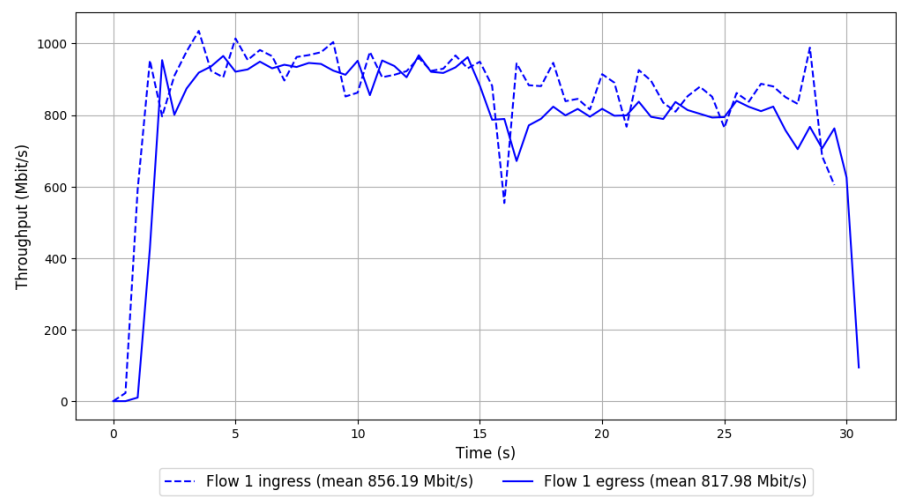


Run 2: Statistics of FillP

Start at: 2018-08-09 00:21:12
End at: 2018-08-09 00:21:42
Local clock offset: 26.092 ms
Remote clock offset: -35.816 ms

Below is generated by plot.py at 2018-08-09 04:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 817.98 Mbit/s
95th percentile per-packet one-way delay: 156.132 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 817.98 Mbit/s
95th percentile per-packet one-way delay: 156.132 ms
Loss rate: 4.47%

Run 2: Report of FillP — Data Link

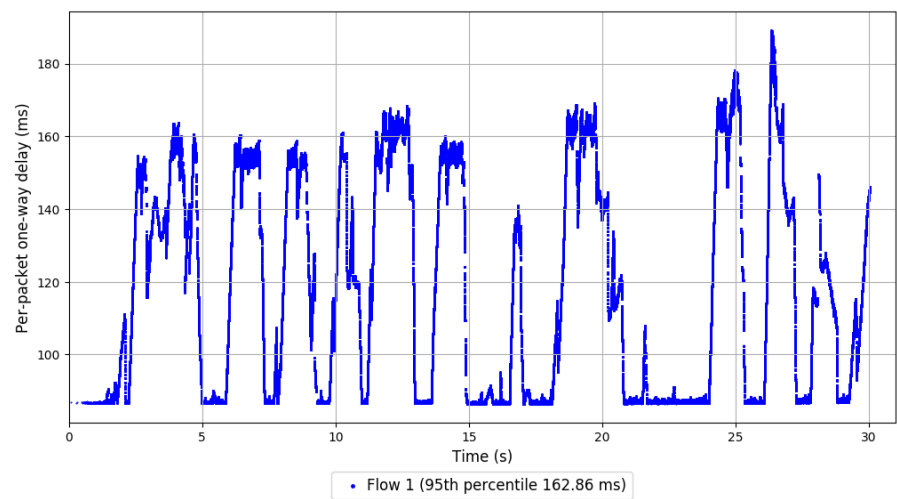
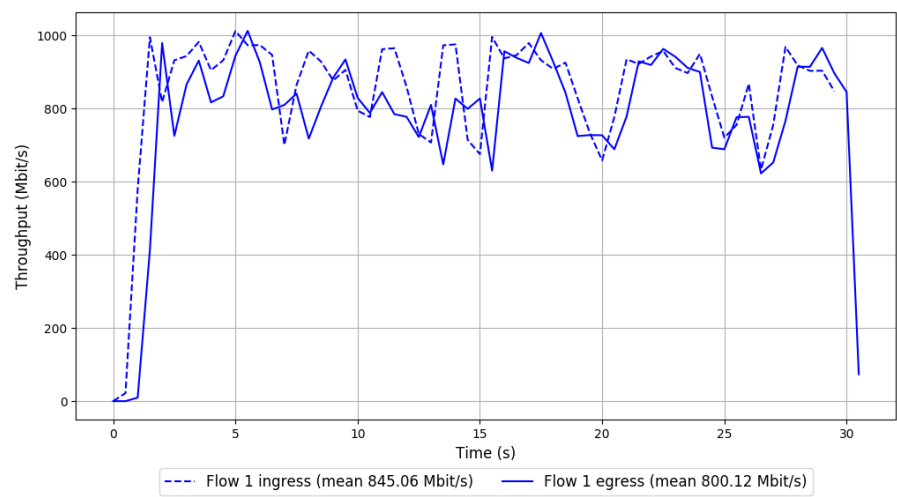


Run 3: Statistics of FillP

Start at: 2018-08-09 00:44:32
End at: 2018-08-09 00:45:02
Local clock offset: 33.072 ms
Remote clock offset: -19.492 ms

Below is generated by plot.py at 2018-08-09 04:36:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 800.12 Mbit/s
95th percentile per-packet one-way delay: 162.857 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 800.12 Mbit/s
95th percentile per-packet one-way delay: 162.857 ms
Loss rate: 5.32%

Run 3: Report of FillP — Data Link

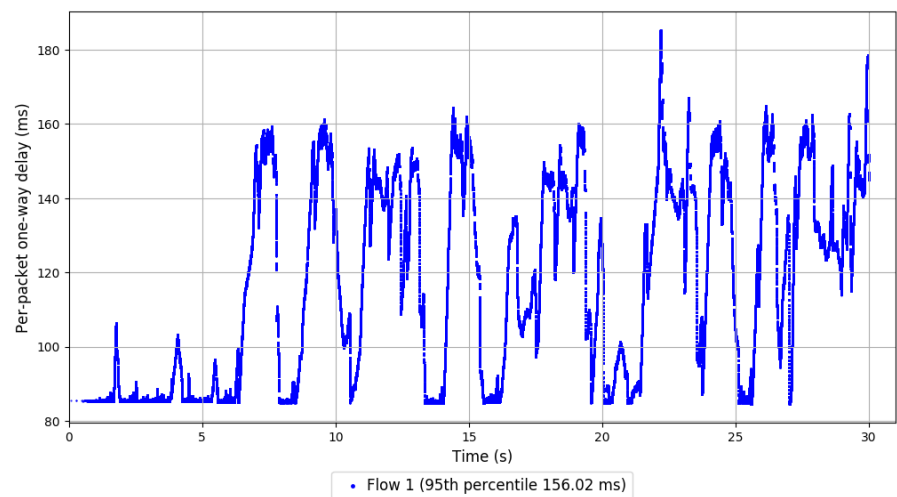
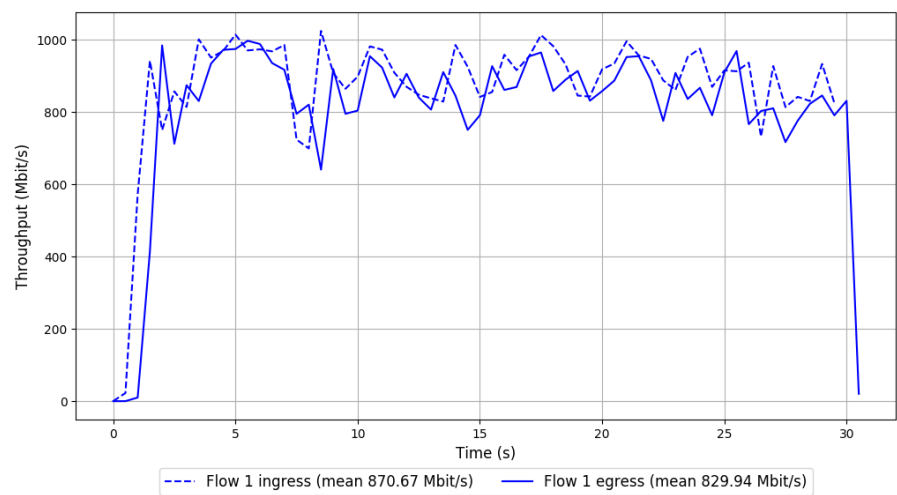


Run 4: Statistics of FillP

Start at: 2018-08-09 01:07:42
End at: 2018-08-09 01:08:12
Local clock offset: 33.279 ms
Remote clock offset: -36.129 ms

Below is generated by plot.py at 2018-08-09 04:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 829.94 Mbit/s
95th percentile per-packet one-way delay: 156.020 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 829.94 Mbit/s
95th percentile per-packet one-way delay: 156.020 ms
Loss rate: 4.68%

Run 4: Report of FillP — Data Link

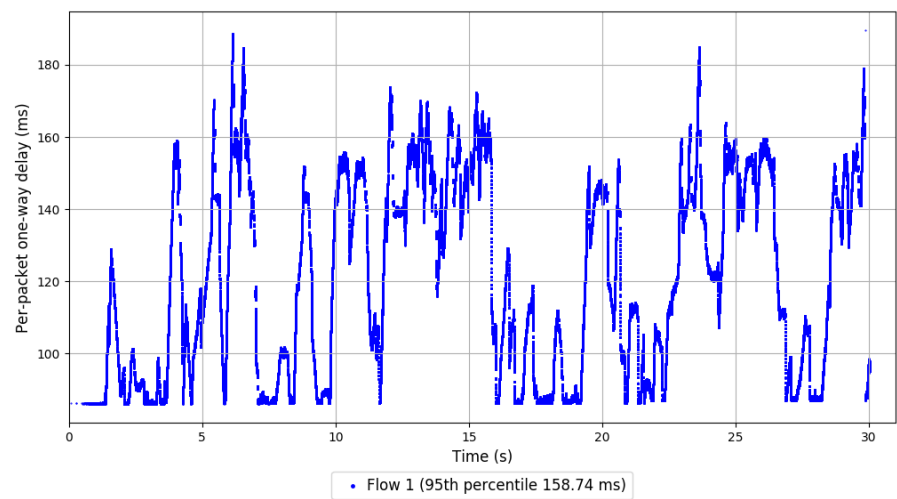
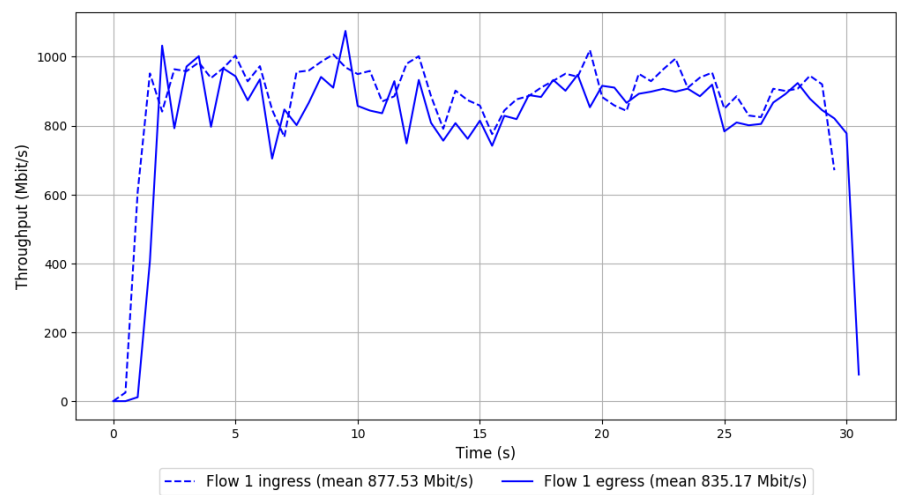


Run 5: Statistics of FillP

Start at: 2018-08-09 01:31:06
End at: 2018-08-09 01:31:36
Local clock offset: 25.59 ms
Remote clock offset: -14.912 ms

Below is generated by plot.py at 2018-08-09 04:37:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 835.17 Mbit/s
95th percentile per-packet one-way delay: 158.740 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 835.17 Mbit/s
95th percentile per-packet one-way delay: 158.740 ms
Loss rate: 4.82%

Run 5: Report of FillP — Data Link

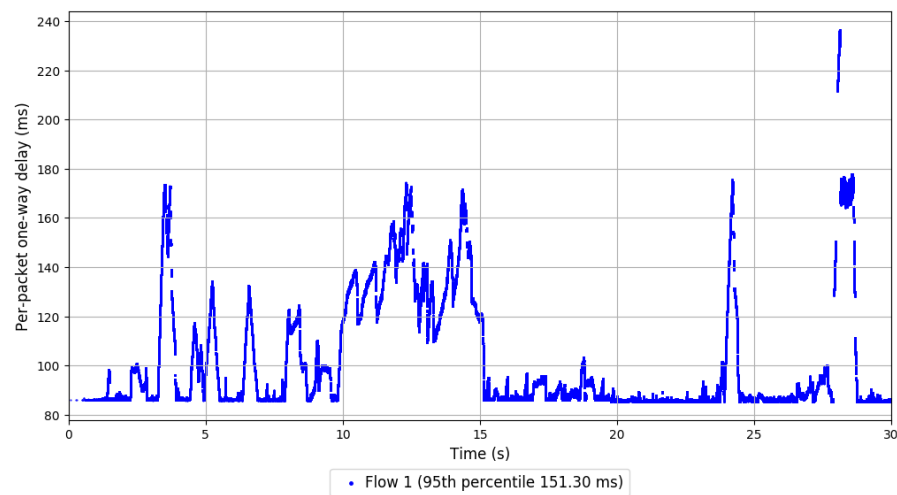
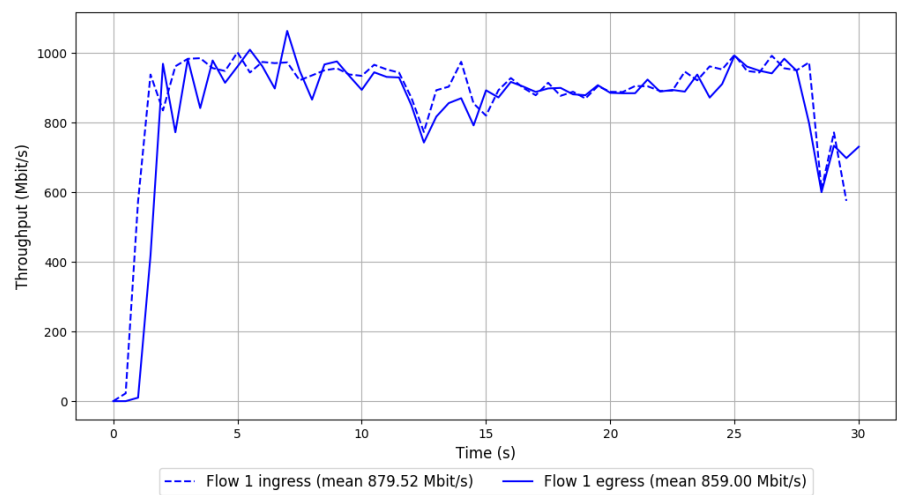


Run 6: Statistics of FillP

Start at: 2018-08-09 01:54:18
End at: 2018-08-09 01:54:48
Local clock offset: 6.607 ms
Remote clock offset: -7.546 ms

Below is generated by plot.py at 2018-08-09 04:37:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 859.00 Mbit/s
95th percentile per-packet one-way delay: 151.296 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 859.00 Mbit/s
95th percentile per-packet one-way delay: 151.296 ms
Loss rate: 2.34%

Run 6: Report of FillP — Data Link

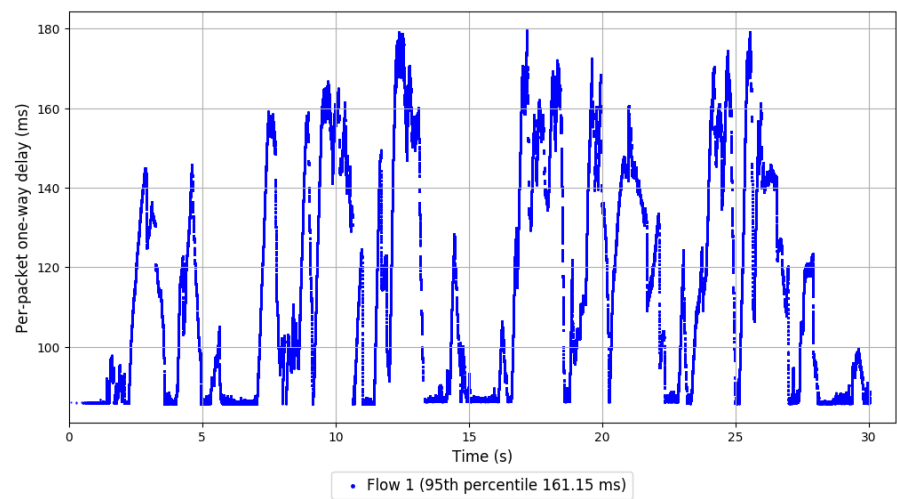
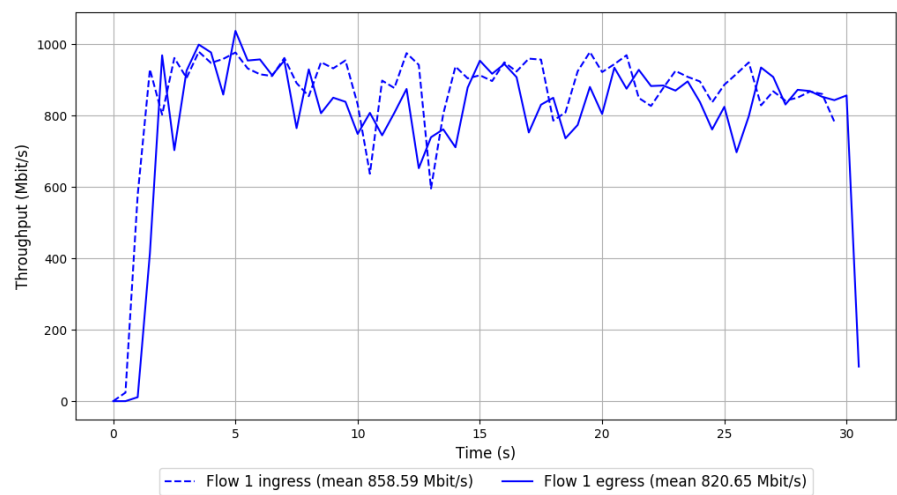


Run 7: Statistics of FillP

Start at: 2018-08-09 02:17:24
End at: 2018-08-09 02:17:54
Local clock offset: 3.464 ms
Remote clock offset: -4.471 ms

Below is generated by plot.py at 2018-08-09 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 820.65 Mbit/s
95th percentile per-packet one-way delay: 161.149 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 820.65 Mbit/s
95th percentile per-packet one-way delay: 161.149 ms
Loss rate: 4.42%

Run 7: Report of FillP — Data Link

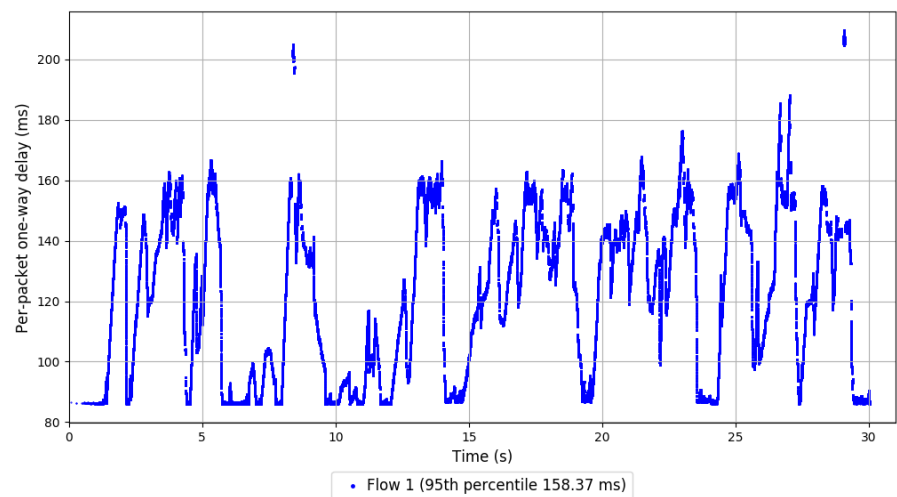
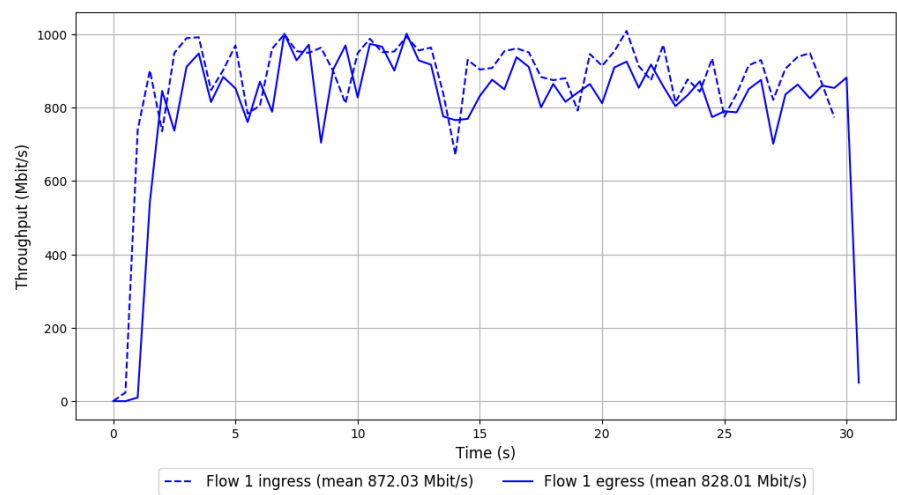


Run 8: Statistics of FillP

Start at: 2018-08-09 02:40:54
End at: 2018-08-09 02:41:24
Local clock offset: 2.67 ms
Remote clock offset: -1.641 ms

Below is generated by plot.py at 2018-08-09 04:38:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 828.01 Mbit/s
95th percentile per-packet one-way delay: 158.374 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 828.01 Mbit/s
95th percentile per-packet one-way delay: 158.374 ms
Loss rate: 5.05%

Run 8: Report of FillP — Data Link

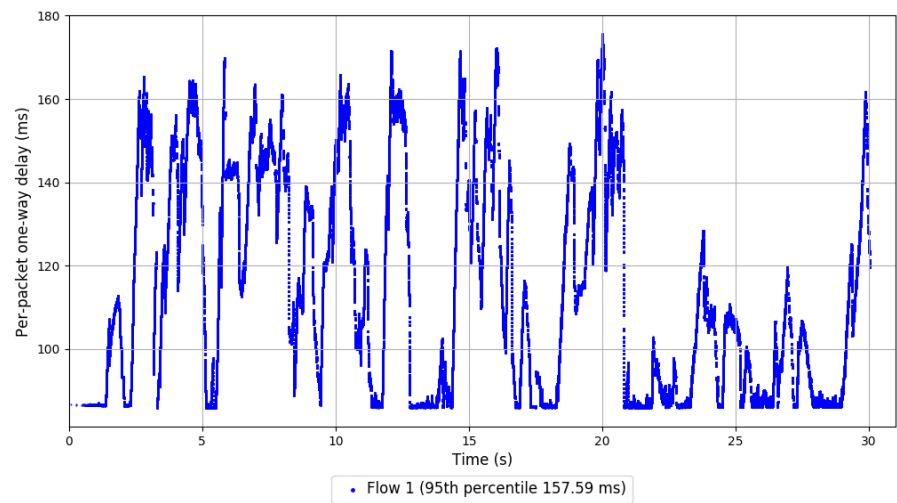
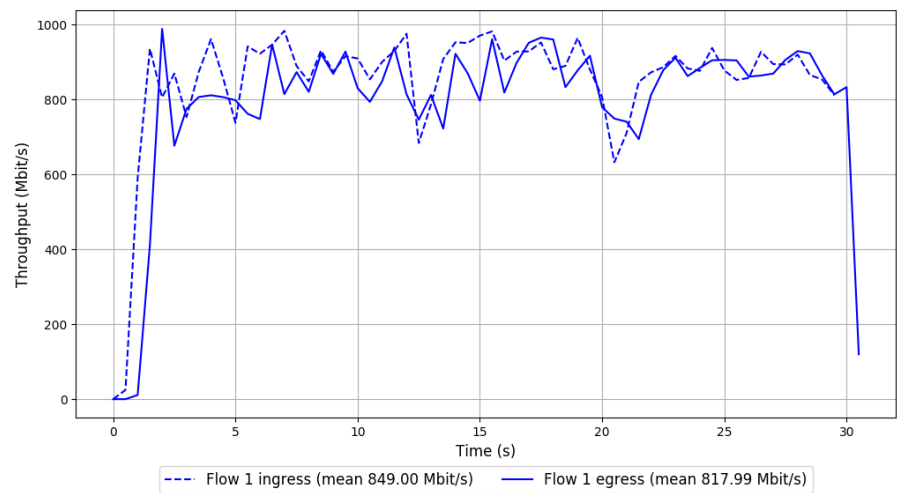


Run 9: Statistics of FillP

Start at: 2018-08-09 03:04:15
End at: 2018-08-09 03:04:45
Local clock offset: 0.969 ms
Remote clock offset: -0.927 ms

Below is generated by plot.py at 2018-08-09 04:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 817.99 Mbit/s
95th percentile per-packet one-way delay: 157.594 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 817.99 Mbit/s
95th percentile per-packet one-way delay: 157.594 ms
Loss rate: 3.65%

Run 9: Report of FillP — Data Link

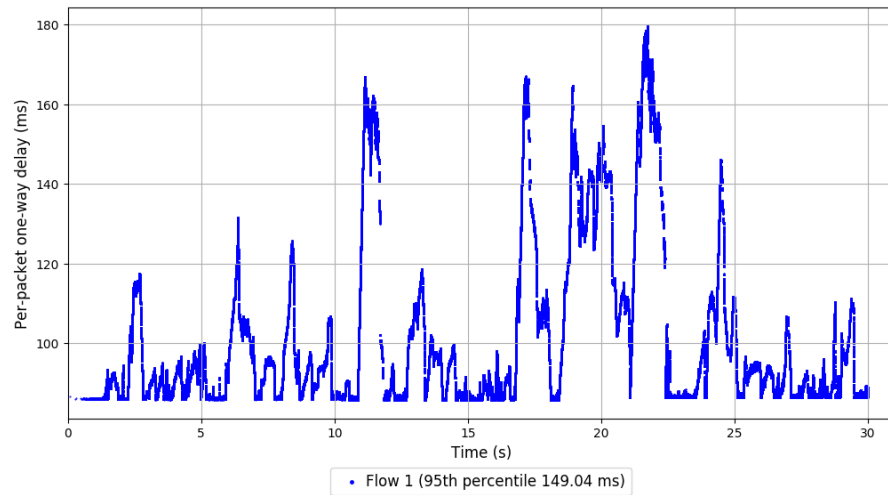
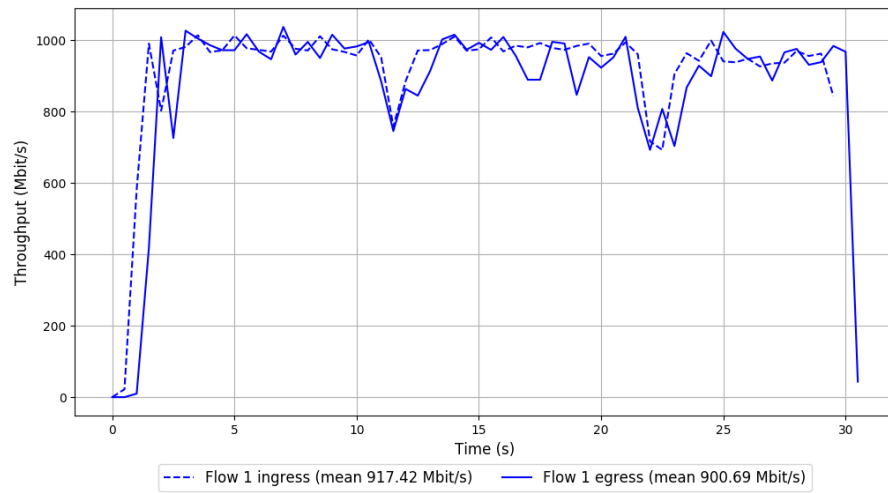


Run 10: Statistics of FillP

Start at: 2018-08-09 03:27:48
End at: 2018-08-09 03:28:18
Local clock offset: 0.332 ms
Remote clock offset: -0.923 ms

Below is generated by plot.py at 2018-08-09 04:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 900.69 Mbit/s
95th percentile per-packet one-way delay: 149.036 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 900.69 Mbit/s
95th percentile per-packet one-way delay: 149.036 ms
Loss rate: 1.82%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-08 23:52:13

End at: 2018-08-08 23:52:43

Local clock offset: 24.557 ms

Remote clock offset: -17.528 ms

Below is generated by plot.py at 2018-08-09 04:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 829.12 Mbit/s

95th percentile per-packet one-way delay: 158.323 ms

Loss rate: 2.13%

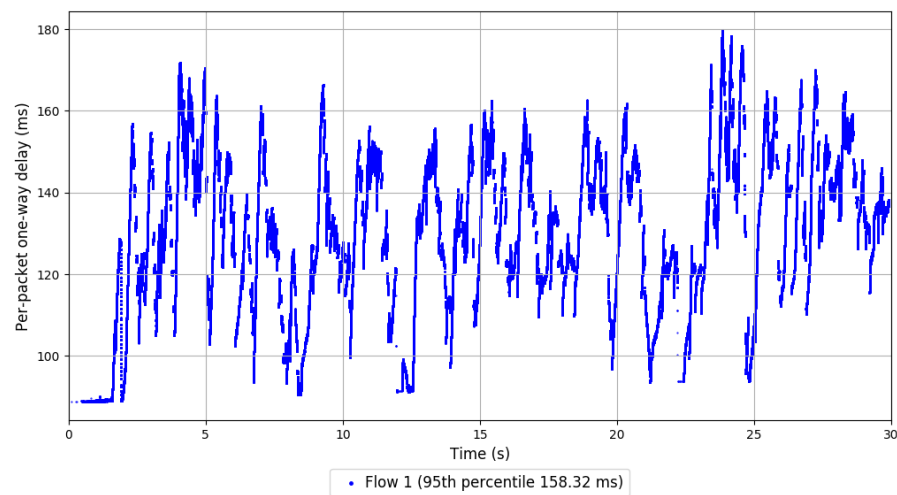
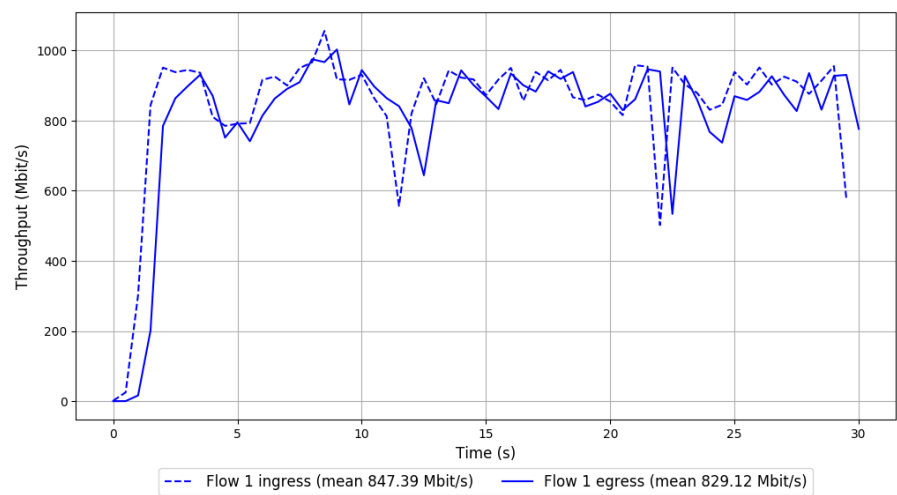
-- Flow 1:

Average throughput: 829.12 Mbit/s

95th percentile per-packet one-way delay: 158.323 ms

Loss rate: 2.13%

Run 1: Report of FillP-Sheep — Data Link

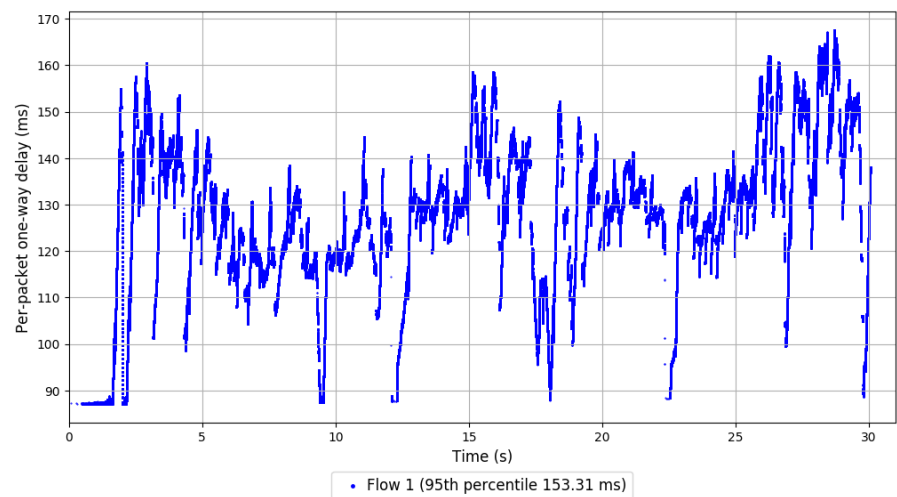
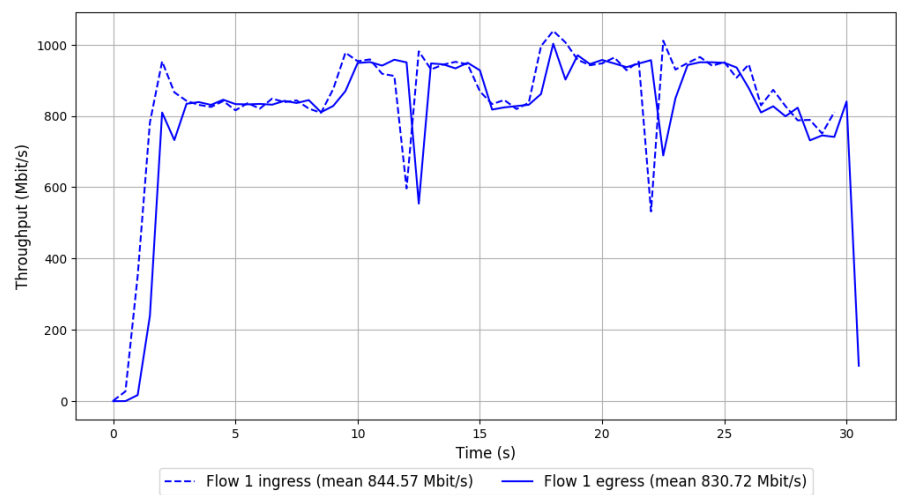


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 00:15:29
End at: 2018-08-09 00:15:59
Local clock offset: 19.237 ms
Remote clock offset: -42.383 ms

Below is generated by plot.py at 2018-08-09 04:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.72 Mbit/s
95th percentile per-packet one-way delay: 153.308 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 830.72 Mbit/s
95th percentile per-packet one-way delay: 153.308 ms
Loss rate: 1.63%

Run 2: Report of FillP-Sheep — Data Link

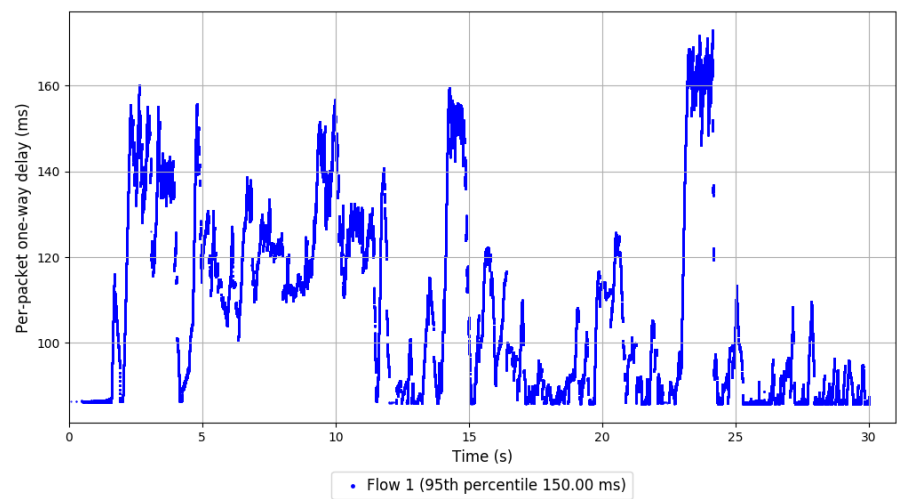
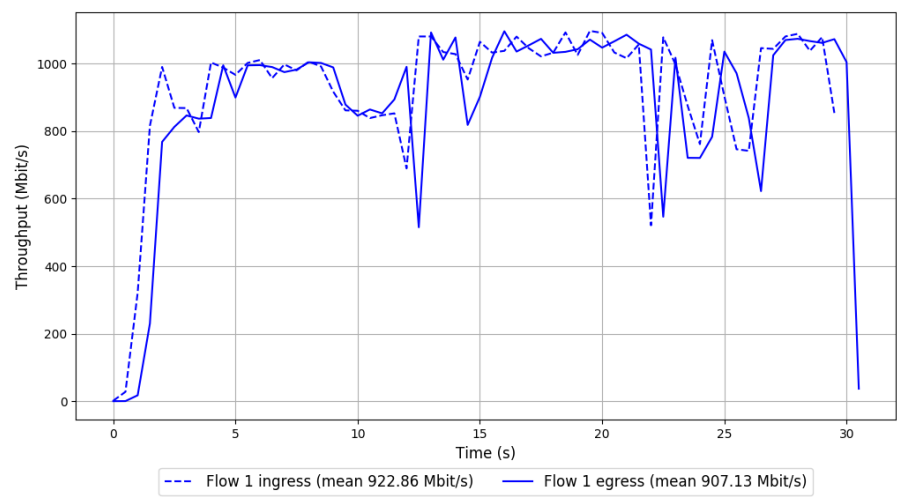


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 00:38:45
End at: 2018-08-09 00:39:15
Local clock offset: 28.576 ms
Remote clock offset: -22.898 ms

Below is generated by plot.py at 2018-08-09 04:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 907.13 Mbit/s
95th percentile per-packet one-way delay: 150.003 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 907.13 Mbit/s
95th percentile per-packet one-way delay: 150.003 ms
Loss rate: 1.70%

Run 3: Report of FillP-Sheep — Data Link

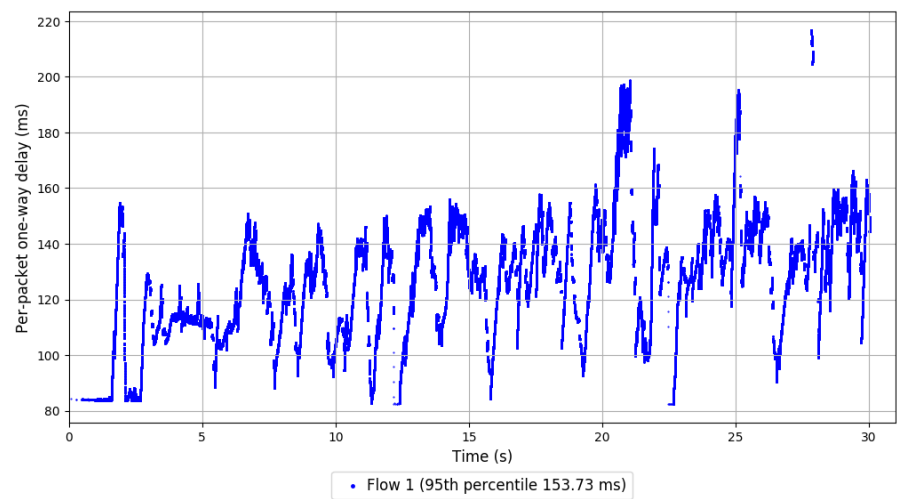
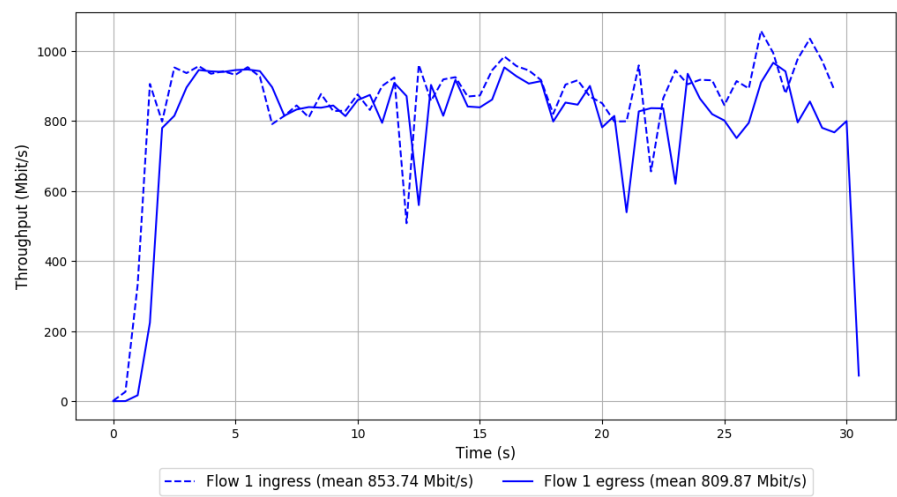


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 01:01:57
End at: 2018-08-09 01:02:27
Local clock offset: 56.801 ms
Remote clock offset: -30.286 ms

Below is generated by plot.py at 2018-08-09 04:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 809.87 Mbit/s
95th percentile per-packet one-way delay: 153.732 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 809.87 Mbit/s
95th percentile per-packet one-way delay: 153.732 ms
Loss rate: 5.15%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 01:25:27

End at: 2018-08-09 01:25:57

Local clock offset: 22.514 ms

Remote clock offset: -15.053 ms

Below is generated by plot.py at 2018-08-09 04:54:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 822.02 Mbit/s

95th percentile per-packet one-way delay: 159.098 ms

Loss rate: 4.81%

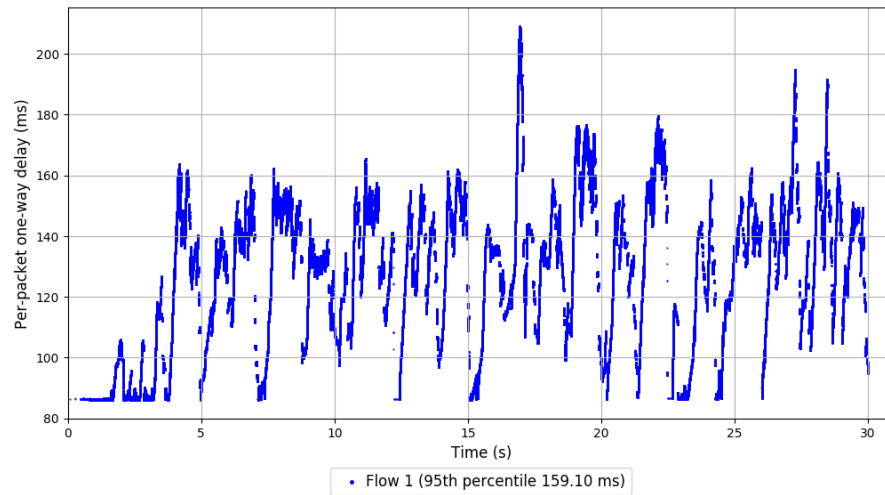
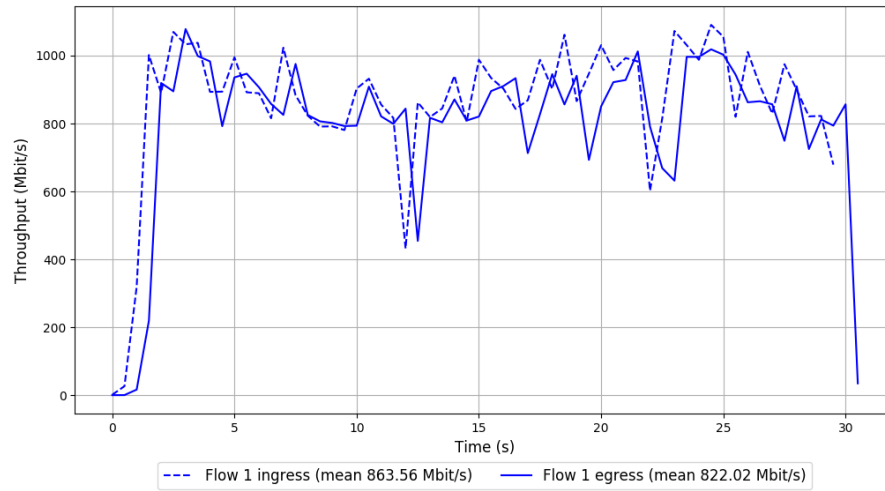
-- Flow 1:

Average throughput: 822.02 Mbit/s

95th percentile per-packet one-way delay: 159.098 ms

Loss rate: 4.81%

Run 5: Report of FillP-Sheep — Data Link

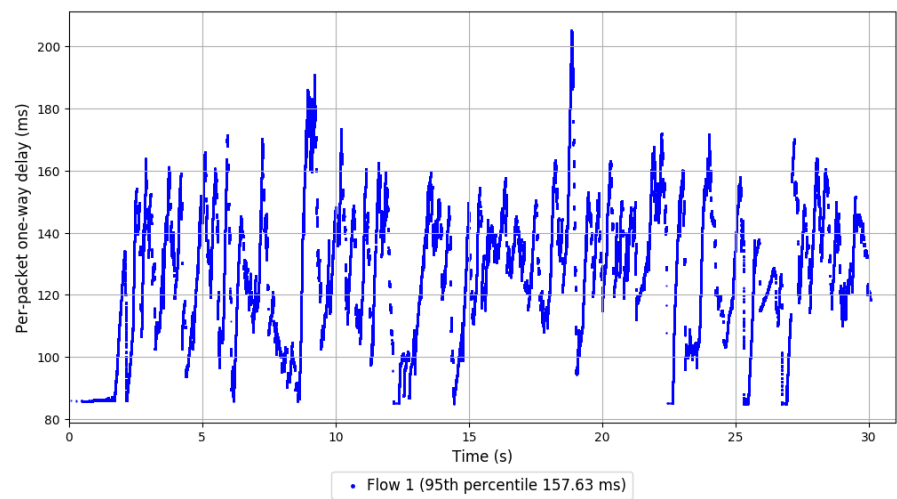
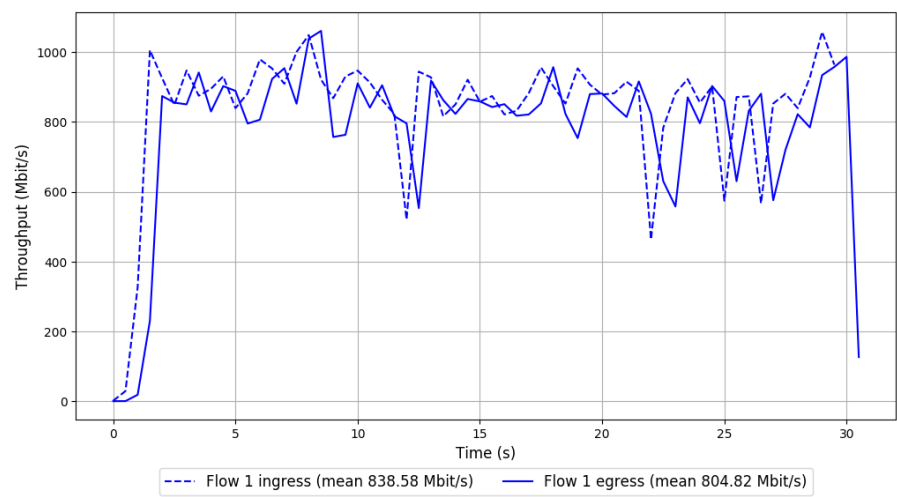


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 01:48:37
End at: 2018-08-09 01:49:07
Local clock offset: 8.747 ms
Remote clock offset: -12.726 ms

Below is generated by plot.py at 2018-08-09 04:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 804.82 Mbit/s
95th percentile per-packet one-way delay: 157.631 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 804.82 Mbit/s
95th percentile per-packet one-way delay: 157.631 ms
Loss rate: 4.03%

Run 6: Report of FillP-Sheep — Data Link

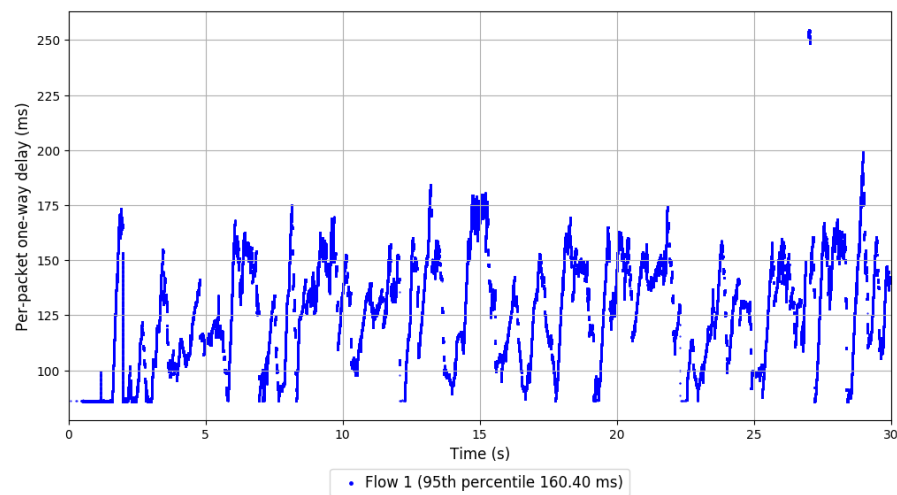
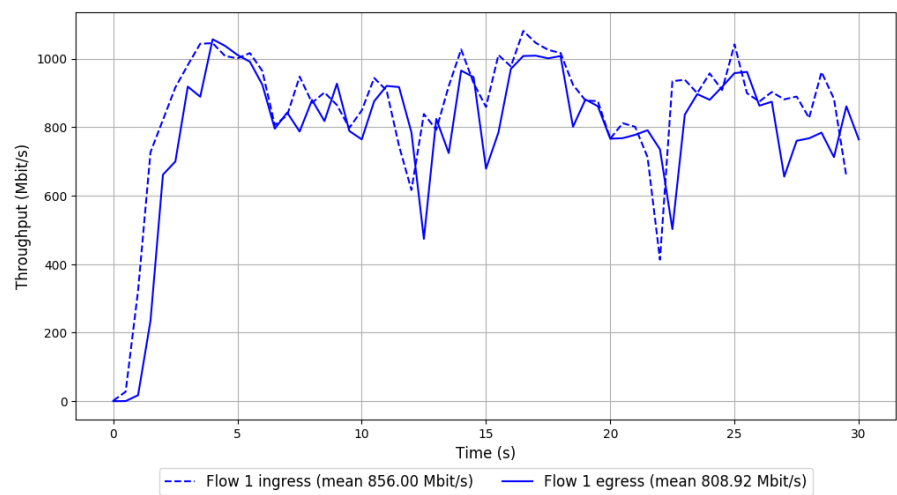


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 02:11:43
End at: 2018-08-09 02:12:13
Local clock offset: 5.548 ms
Remote clock offset: -4.168 ms

Below is generated by plot.py at 2018-08-09 05:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 808.92 Mbit/s
95th percentile per-packet one-way delay: 160.396 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 808.92 Mbit/s
95th percentile per-packet one-way delay: 160.396 ms
Loss rate: 5.50%

Run 7: Report of FillP-Sheep — Data Link

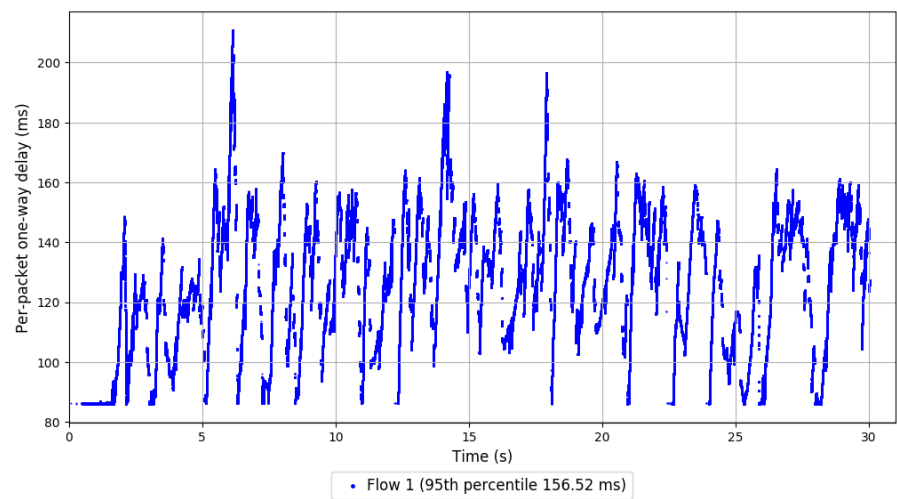
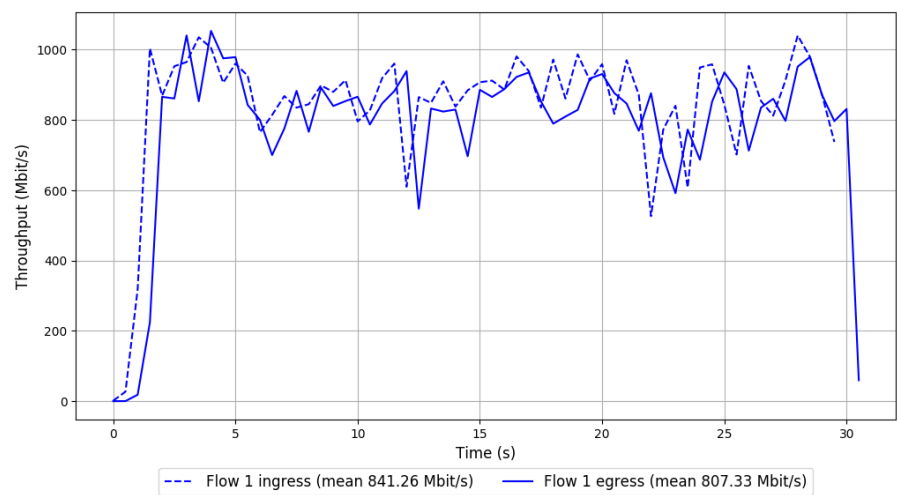


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 02:35:11
End at: 2018-08-09 02:35:41
Local clock offset: 2.332 ms
Remote clock offset: -1.635 ms

Below is generated by plot.py at 2018-08-09 05:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 807.33 Mbit/s
95th percentile per-packet one-way delay: 156.522 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 807.33 Mbit/s
95th percentile per-packet one-way delay: 156.522 ms
Loss rate: 4.03%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 02:58:26

End at: 2018-08-09 02:58:56

Local clock offset: 1.076 ms

Remote clock offset: -1.241 ms

Below is generated by plot.py at 2018-08-09 05:08:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 813.31 Mbit/s

95th percentile per-packet one-way delay: 159.899 ms

Loss rate: 4.85%

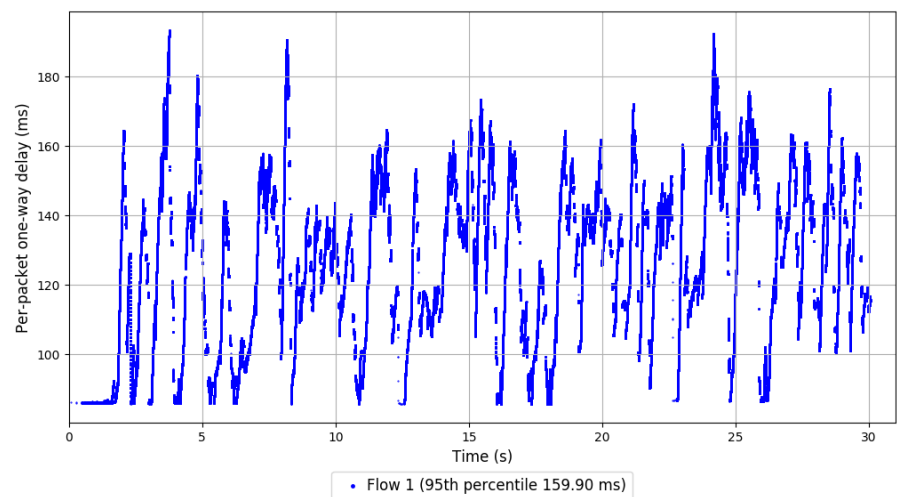
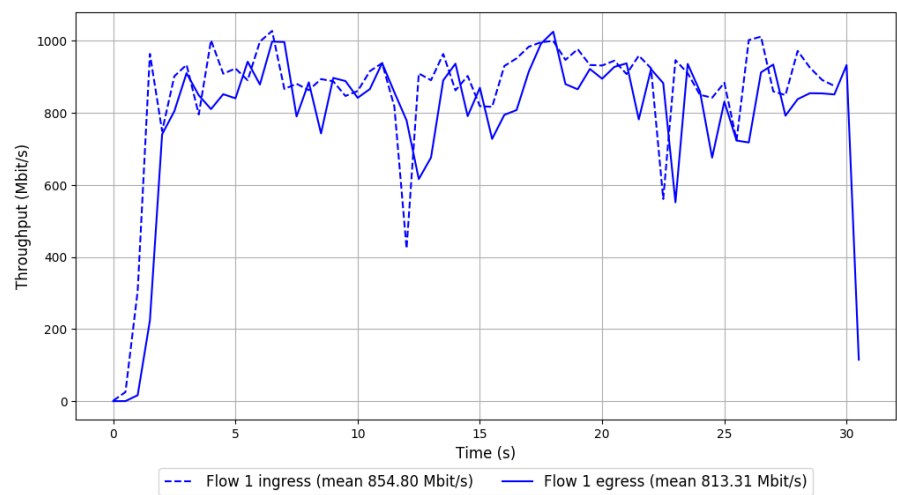
-- Flow 1:

Average throughput: 813.31 Mbit/s

95th percentile per-packet one-way delay: 159.899 ms

Loss rate: 4.85%

Run 9: Report of FillP-Sheep — Data Link

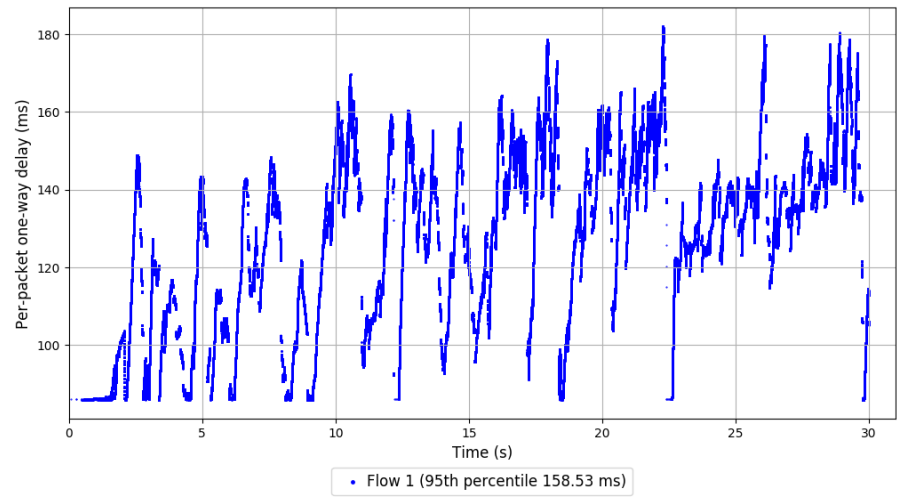
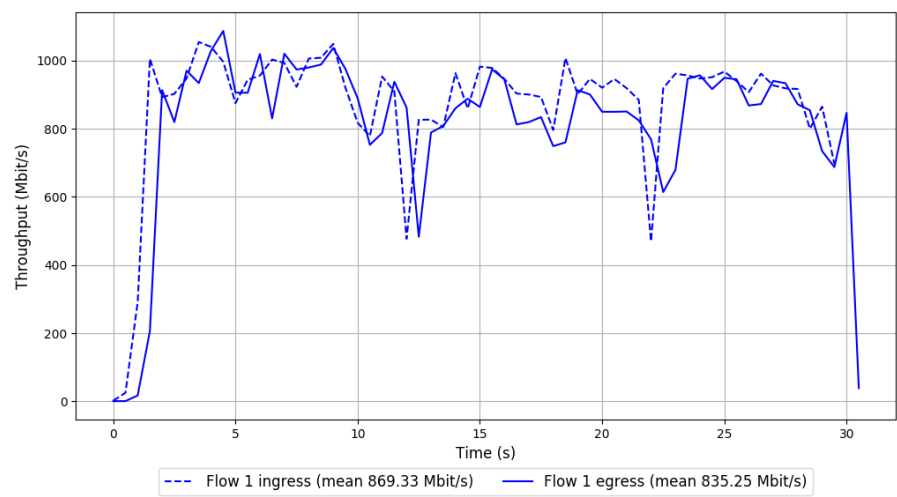


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 03:22:07
End at: 2018-08-09 03:22:37
Local clock offset: 0.809 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 835.25 Mbit/s
95th percentile per-packet one-way delay: 158.533 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 835.25 Mbit/s
95th percentile per-packet one-way delay: 158.533 ms
Loss rate: 3.92%

Run 10: Report of FillP-Sheep — Data Link

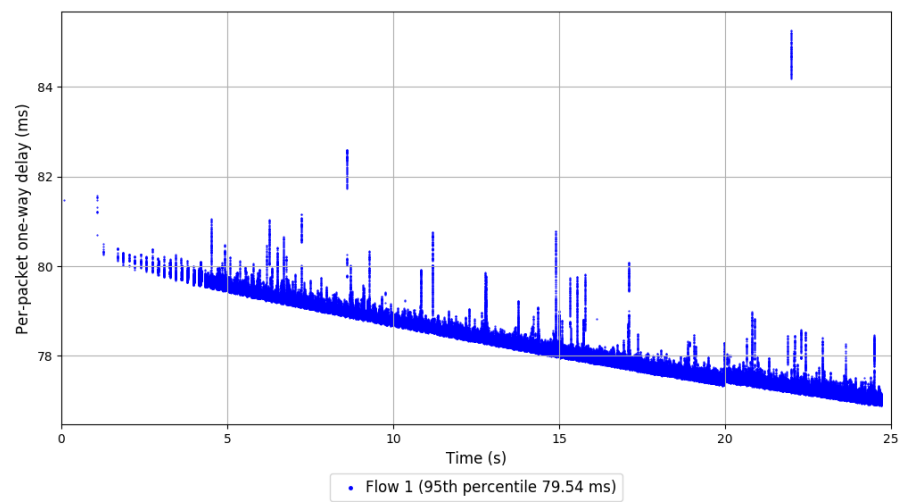
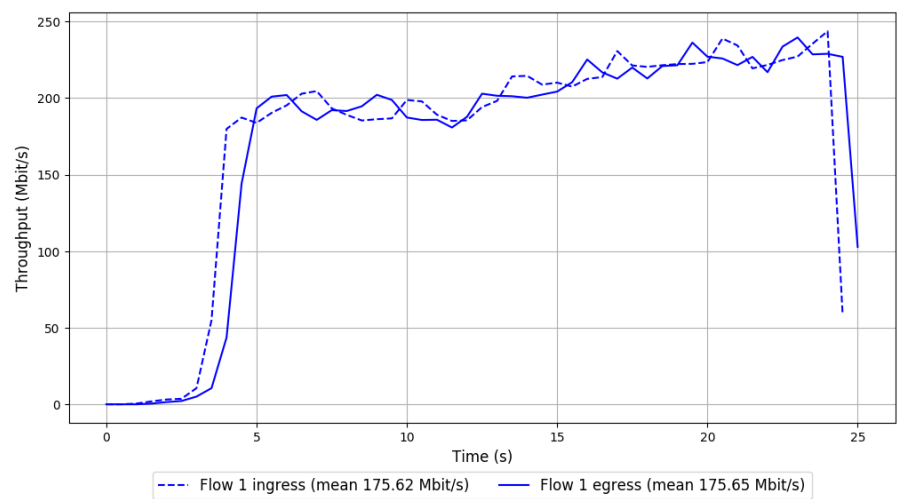


```
Run 1: Statistics of Indigo

Start at: 2018-08-08 23:53:53
End at: 2018-08-08 23:54:23
Local clock offset: 32.868 ms
Remote clock offset: -22.701 ms

# Below is generated by plot.py at 2018-08-09 05:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.65 Mbit/s
95th percentile per-packet one-way delay: 79.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.65 Mbit/s
95th percentile per-packet one-way delay: 79.537 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

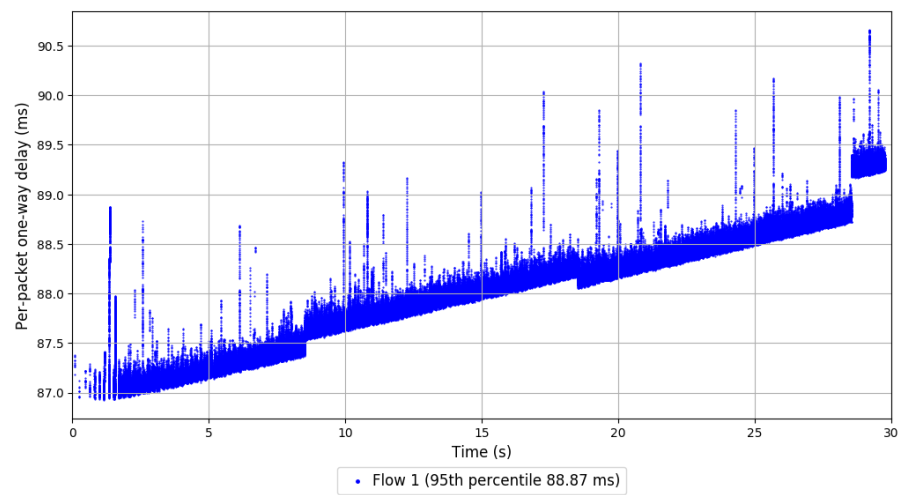
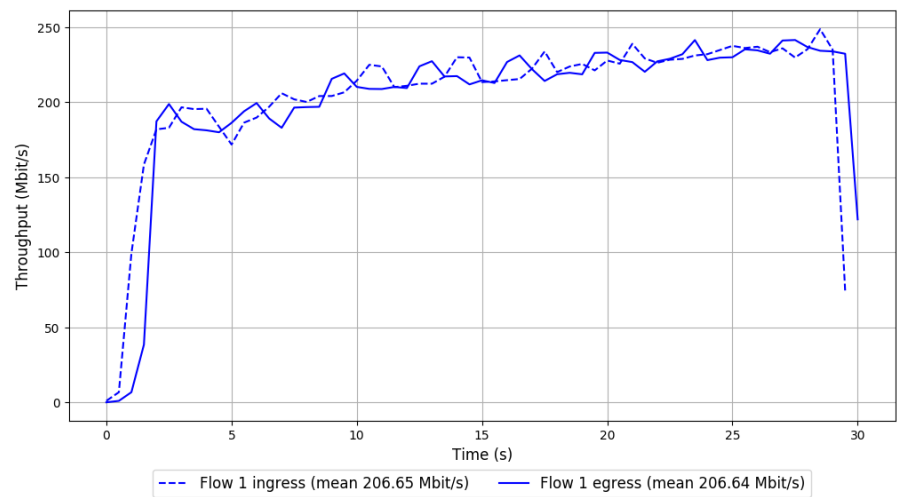


Run 2: Statistics of Indigo

Start at: 2018-08-09 00:17:09
End at: 2018-08-09 00:17:39
Local clock offset: 20.607 ms
Remote clock offset: -47.017 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.64 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.64 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

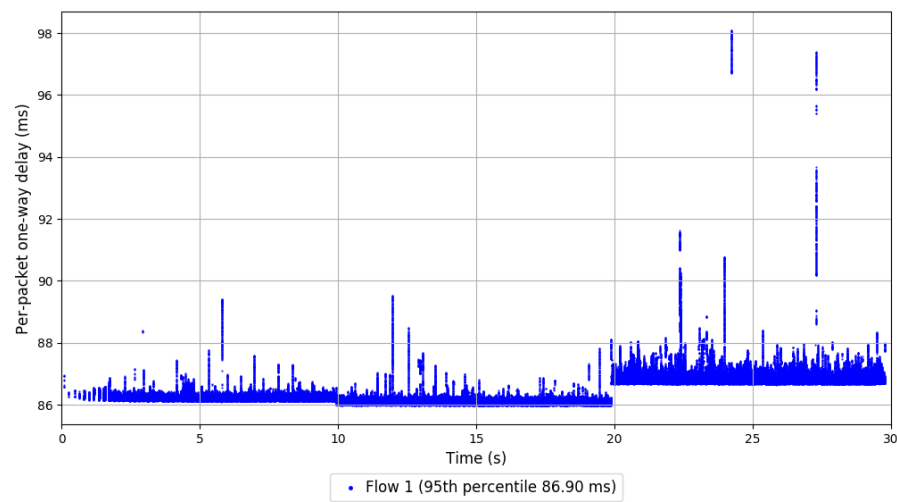
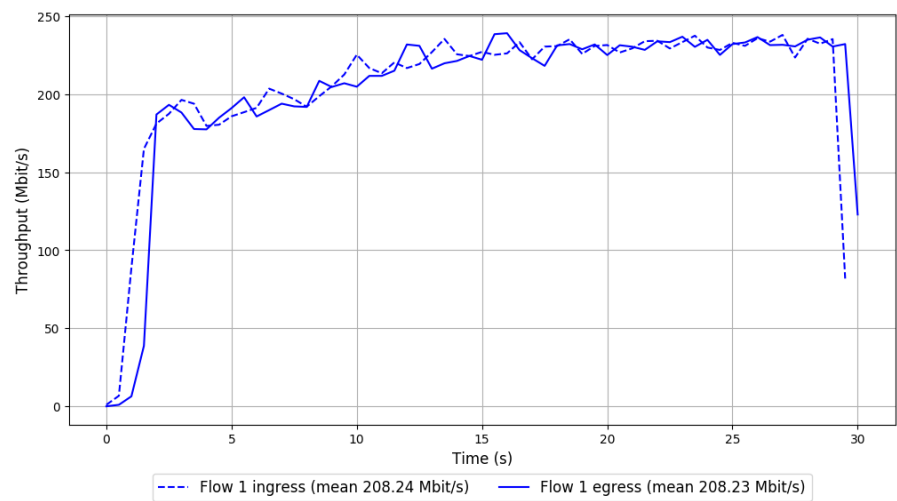


Run 3: Statistics of Indigo

Start at: 2018-08-09 00:40:28
End at: 2018-08-09 00:40:58
Local clock offset: 29.632 ms
Remote clock offset: -21.13 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.23 Mbit/s
95th percentile per-packet one-way delay: 86.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.23 Mbit/s
95th percentile per-packet one-way delay: 86.902 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

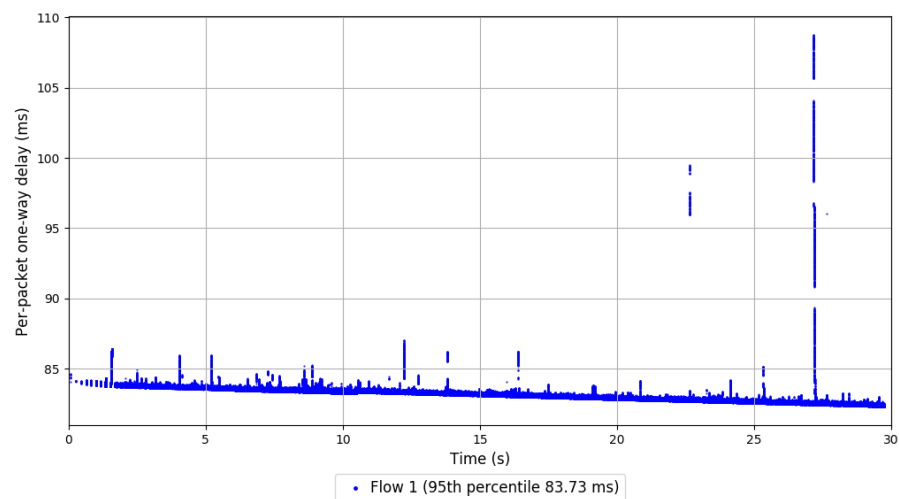
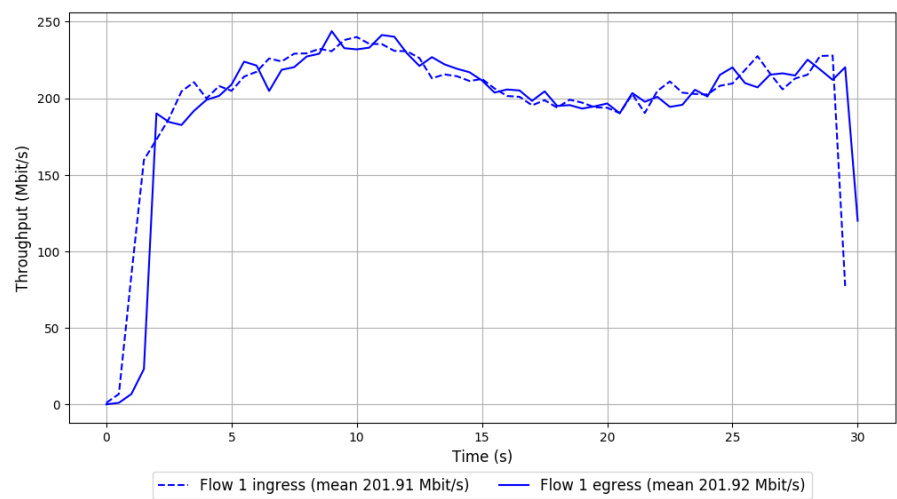


Run 4: Statistics of Indigo

Start at: 2018-08-09 01:03:37
End at: 2018-08-09 01:04:07
Local clock offset: 48.345 ms
Remote clock offset: -31.835 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.92 Mbit/s
95th percentile per-packet one-way delay: 83.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.92 Mbit/s
95th percentile per-packet one-way delay: 83.728 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

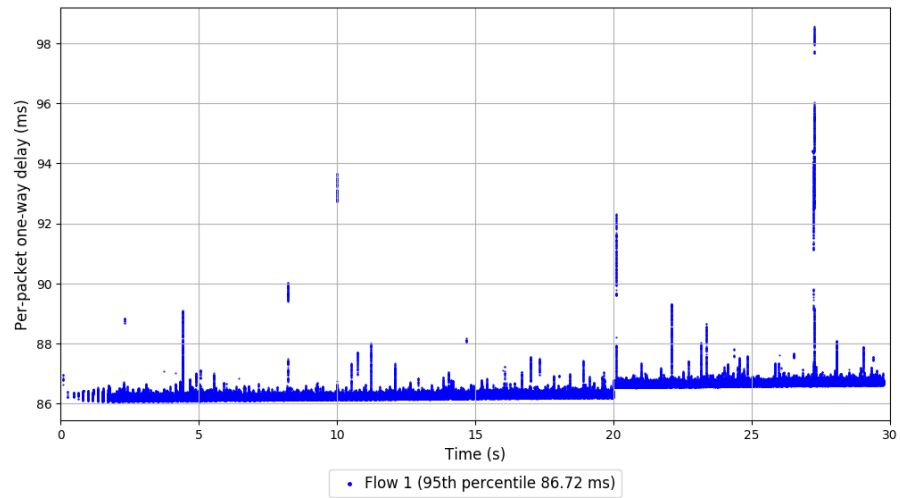
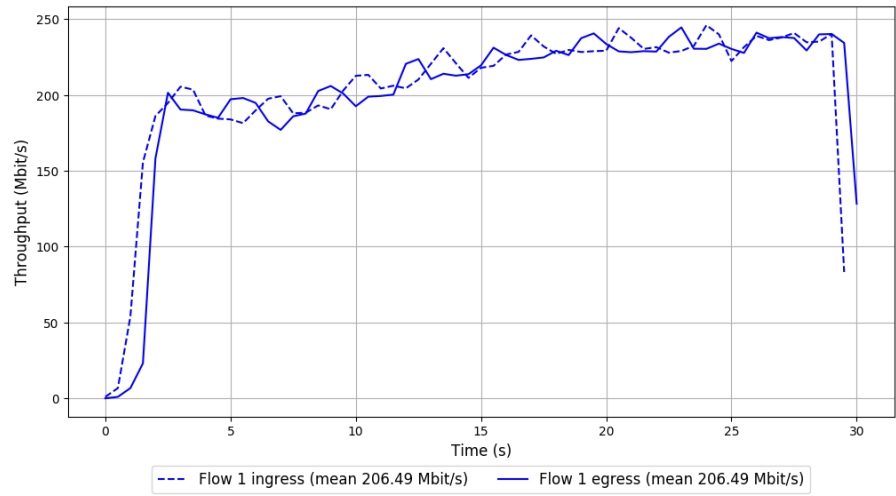


Run 5: Statistics of Indigo

Start at: 2018-08-09 01:27:08
End at: 2018-08-09 01:27:38
Local clock offset: 23.522 ms
Remote clock offset: -14.777 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.49 Mbit/s
95th percentile per-packet one-way delay: 86.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.49 Mbit/s
95th percentile per-packet one-way delay: 86.716 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

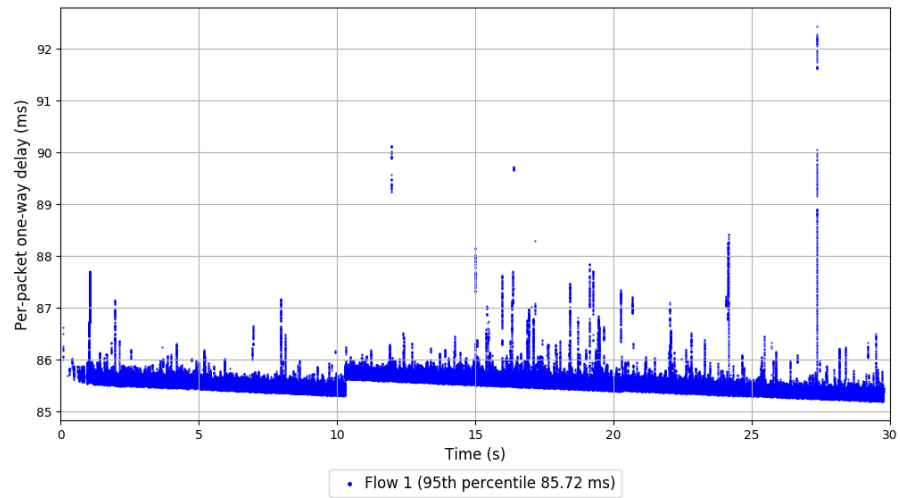
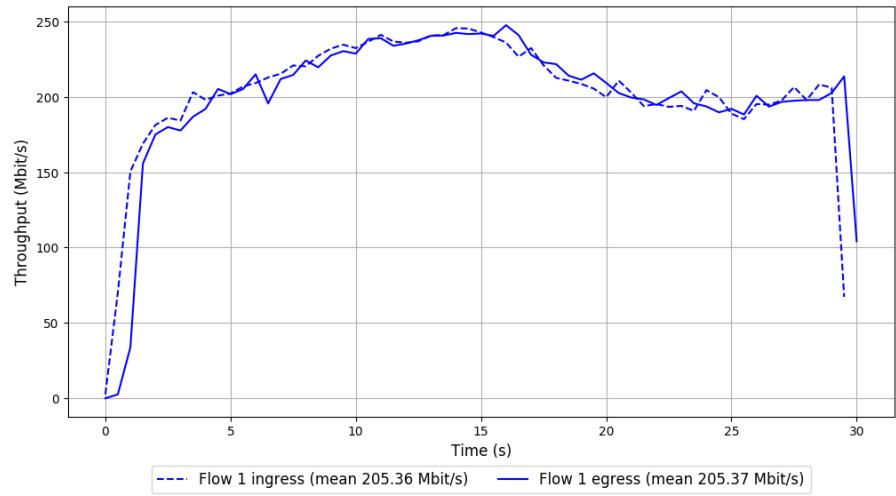


Run 6: Statistics of Indigo

Start at: 2018-08-09 01:50:17
End at: 2018-08-09 01:50:47
Local clock offset: 7.963 ms
Remote clock offset: -10.848 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.37 Mbit/s
95th percentile per-packet one-way delay: 85.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.37 Mbit/s
95th percentile per-packet one-way delay: 85.723 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 02:13:23

End at: 2018-08-09 02:13:53

Local clock offset: 4.725 ms

Remote clock offset: -4.27 ms

Below is generated by plot.py at 2018-08-09 05:09:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 86.307 ms

Loss rate: 0.00%

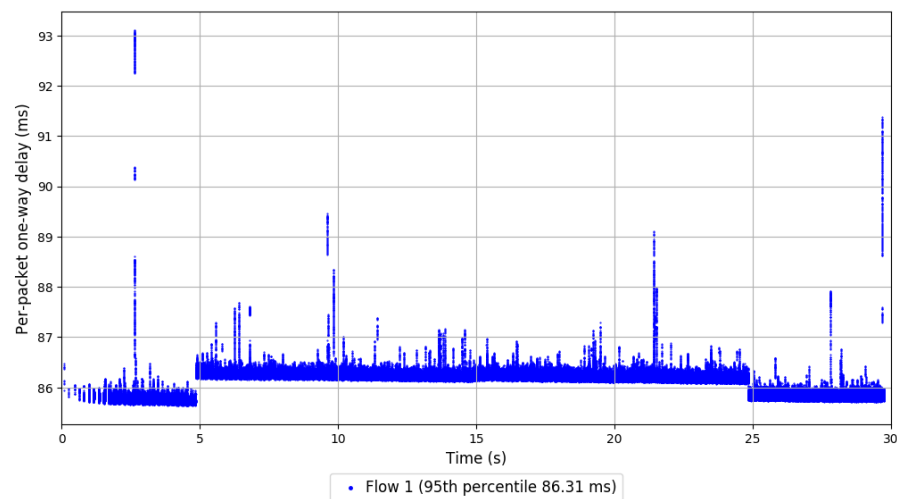
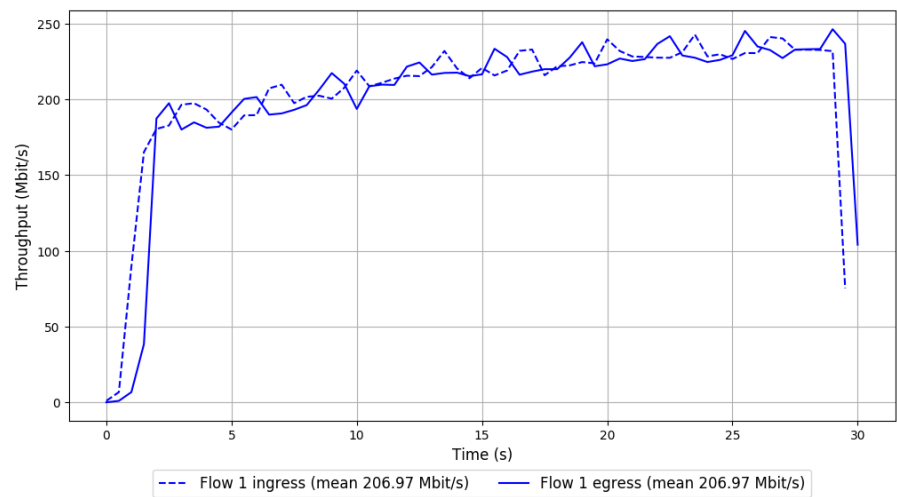
-- Flow 1:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 86.307 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 02:36:51

End at: 2018-08-09 02:37:21

Local clock offset: 2.453 ms

Remote clock offset: -1.59 ms

Below is generated by plot.py at 2018-08-09 05:09:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.17 Mbit/s

95th percentile per-packet one-way delay: 86.269 ms

Loss rate: 0.00%

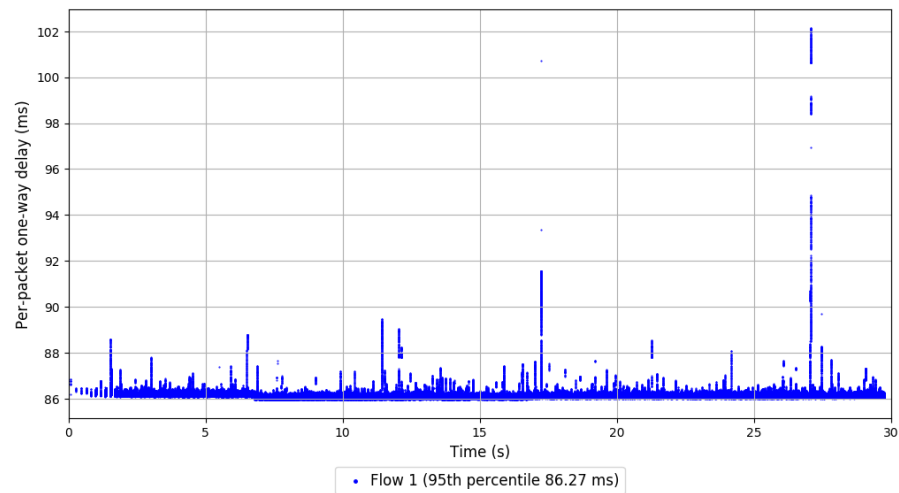
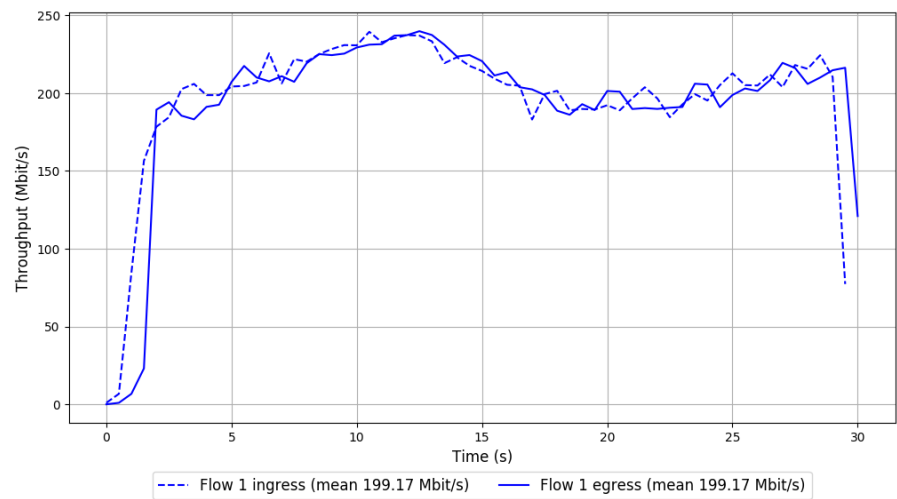
-- Flow 1:

Average throughput: 199.17 Mbit/s

95th percentile per-packet one-way delay: 86.269 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 03:00:08

End at: 2018-08-09 03:00:38

Local clock offset: 0.822 ms

Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-08-09 05:09:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.40 Mbit/s

95th percentile per-packet one-way delay: 86.245 ms

Loss rate: 0.00%

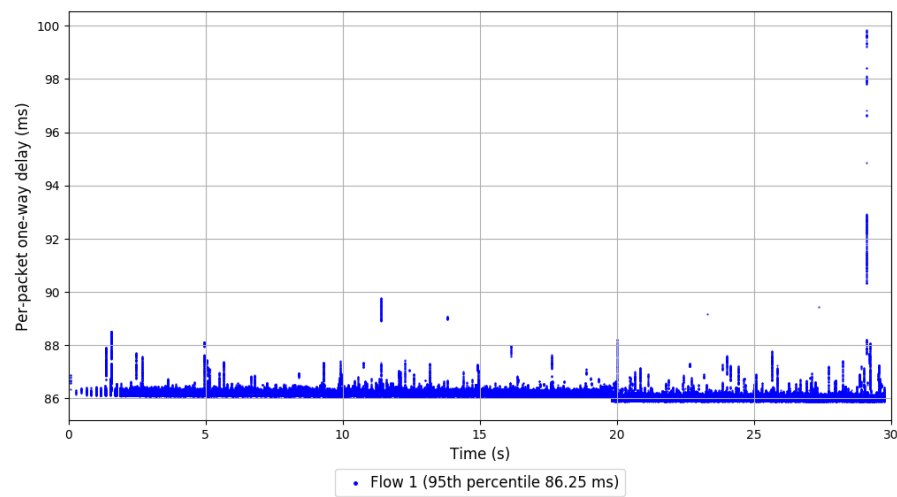
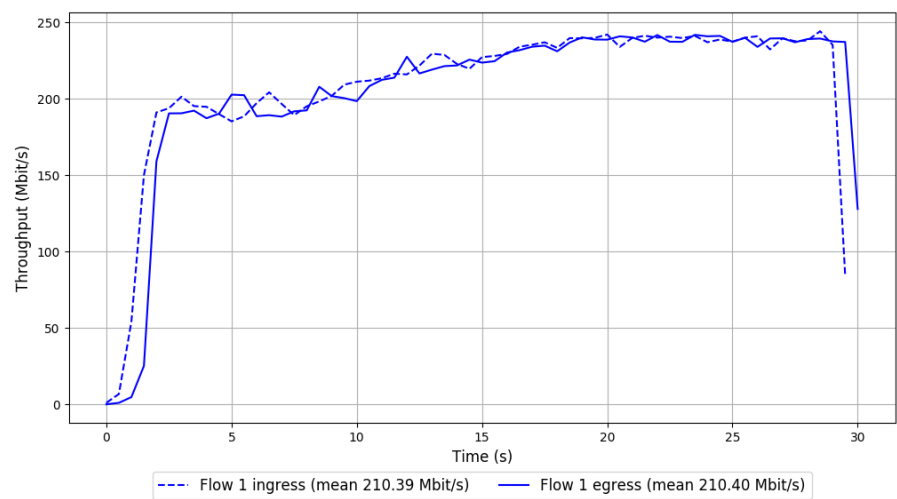
-- Flow 1:

Average throughput: 210.40 Mbit/s

95th percentile per-packet one-way delay: 86.245 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 03:23:49

End at: 2018-08-09 03:24:19

Local clock offset: 0.659 ms

Remote clock offset: -0.957 ms

Below is generated by plot.py at 2018-08-09 05:09:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.66 Mbit/s

95th percentile per-packet one-way delay: 86.746 ms

Loss rate: 0.00%

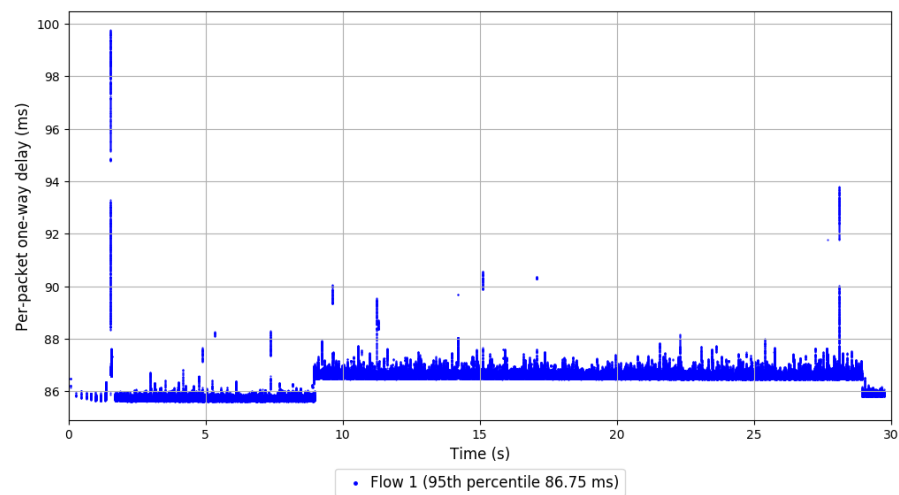
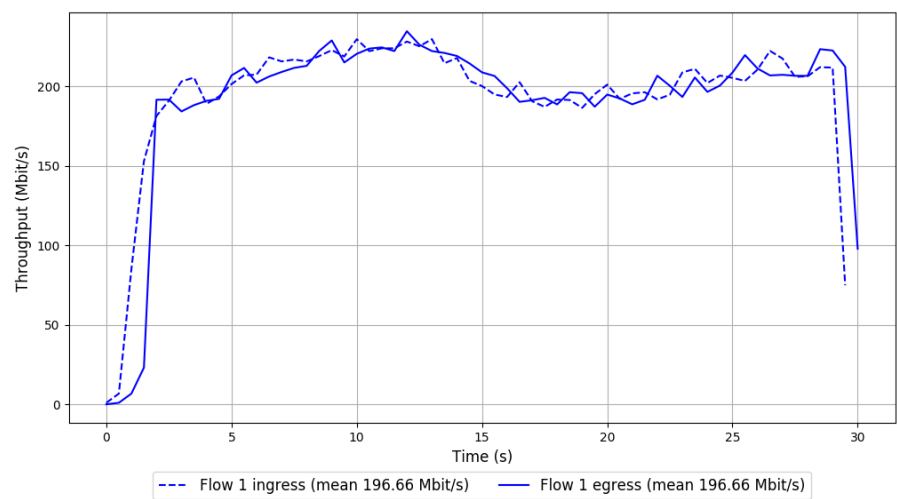
-- Flow 1:

Average throughput: 196.66 Mbit/s

95th percentile per-packet one-way delay: 86.746 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

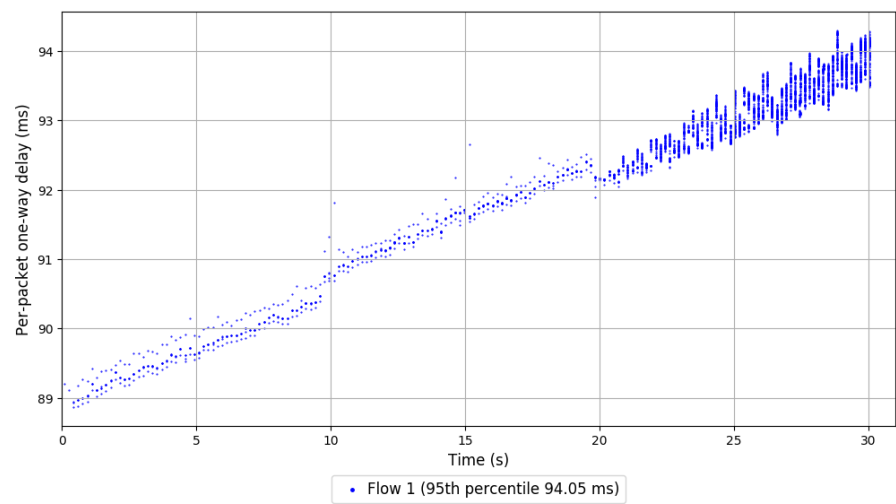
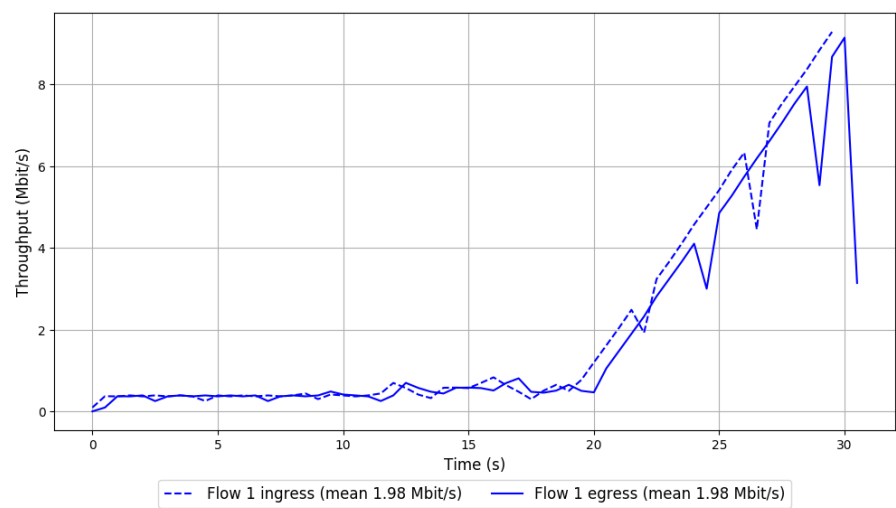


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 00:01:08
End at: 2018-08-09 00:01:38
Local clock offset: 45.884 ms
Remote clock offset: -32.259 ms

# Below is generated by plot.py at 2018-08-09 05:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 94.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 94.052 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

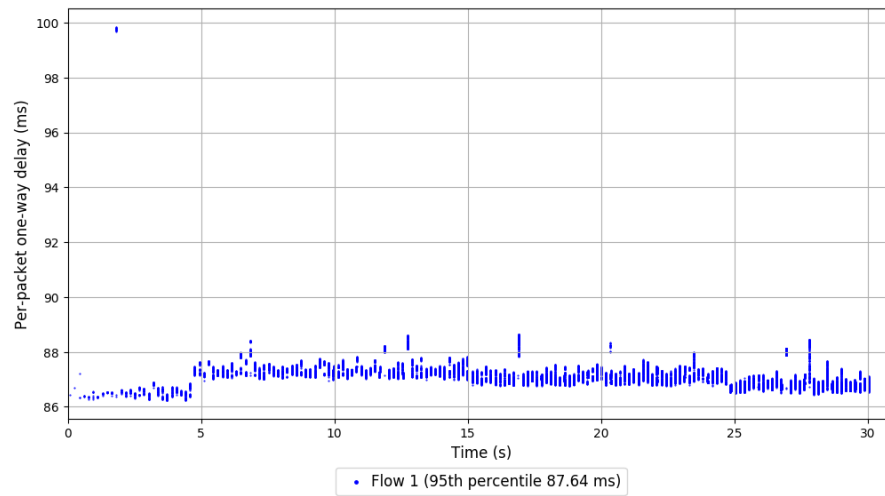
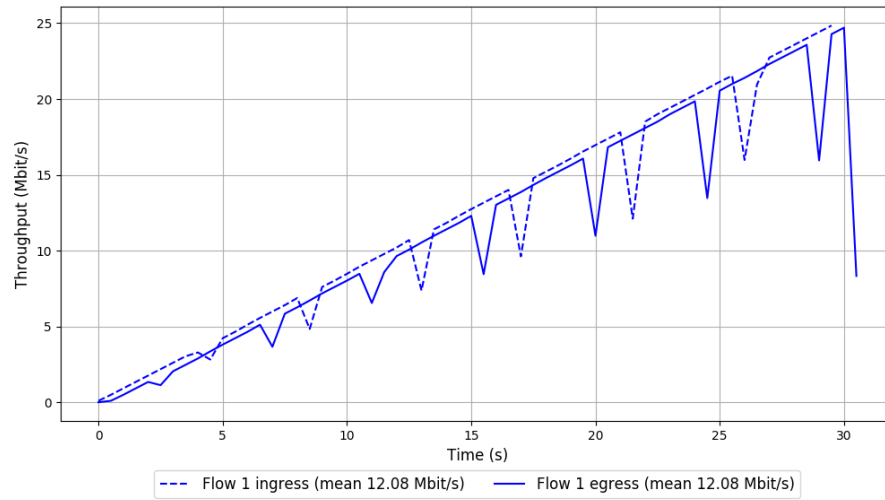


```
Run 2: Statistics of LEDBAT

Start at: 2018-08-09 00:24:23
End at: 2018-08-09 00:24:53
Local clock offset: 32.005 ms
Remote clock offset: -23.644 ms

# Below is generated by plot.py at 2018-08-09 05:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.642 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

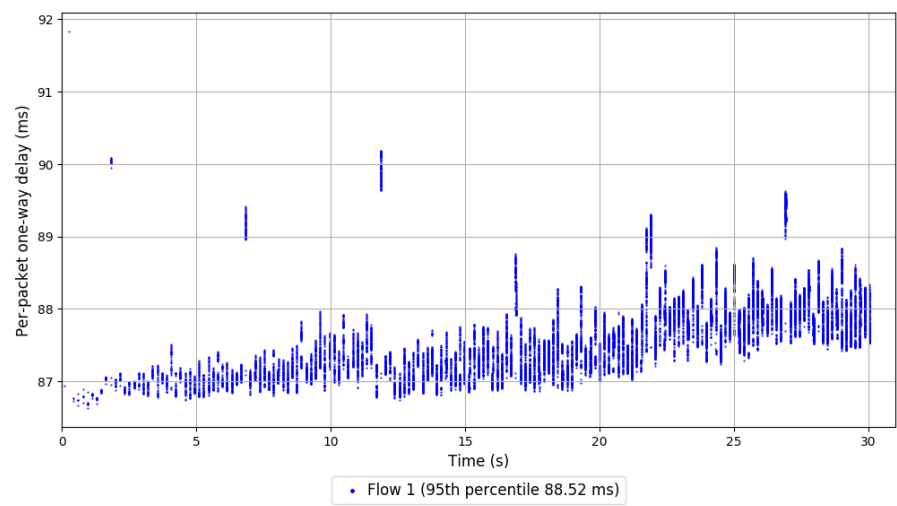
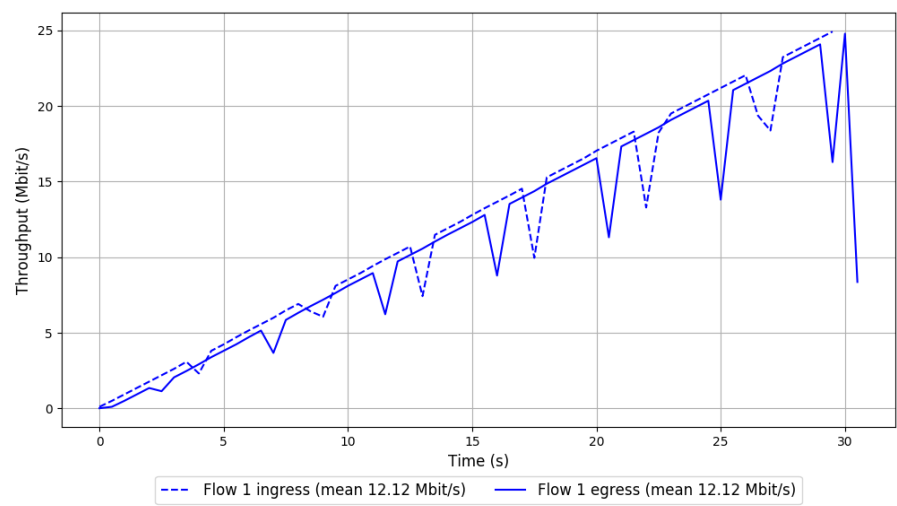


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 00:47:46
End at: 2018-08-09 00:48:16
Local clock offset: 36.399 ms
Remote clock offset: -19.907 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 88.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 88.519 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

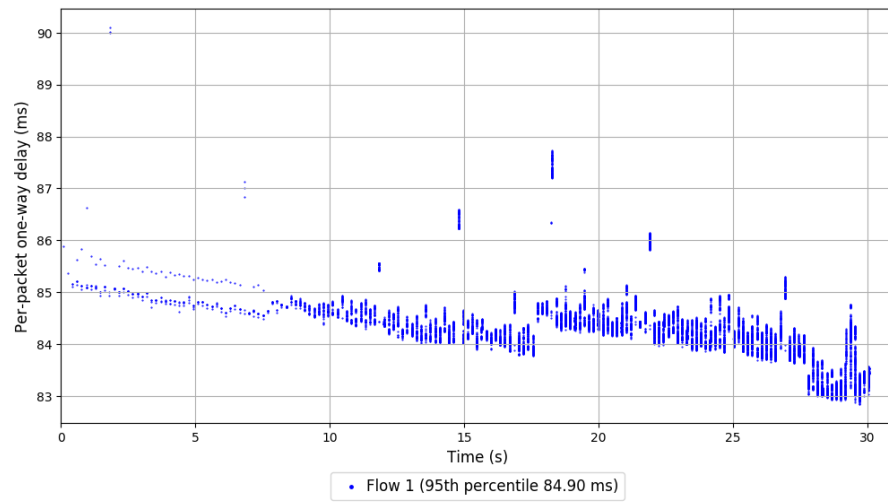
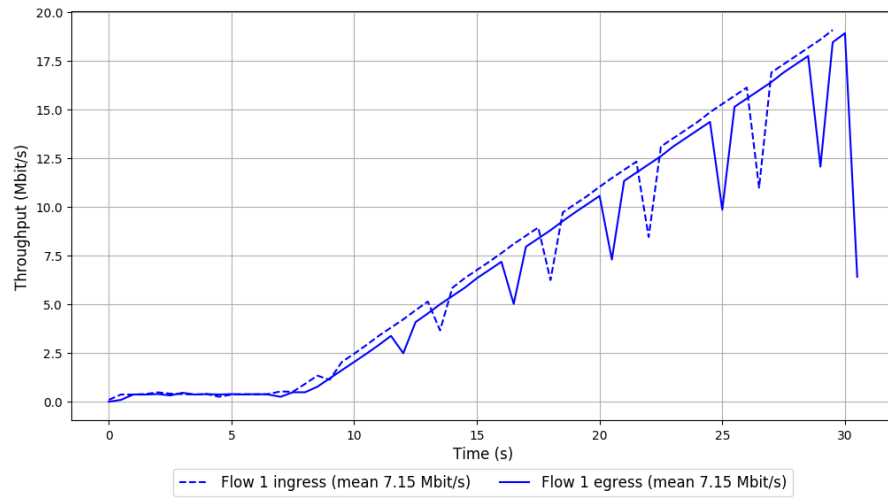


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 01:11:00
End at: 2018-08-09 01:11:30
Local clock offset: 26.897 ms
Remote clock offset: -36.272 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 84.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 84.903 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

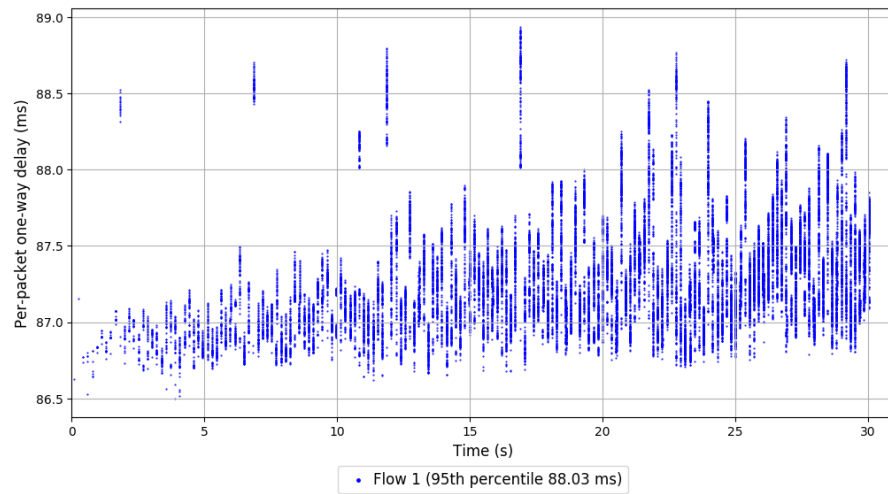
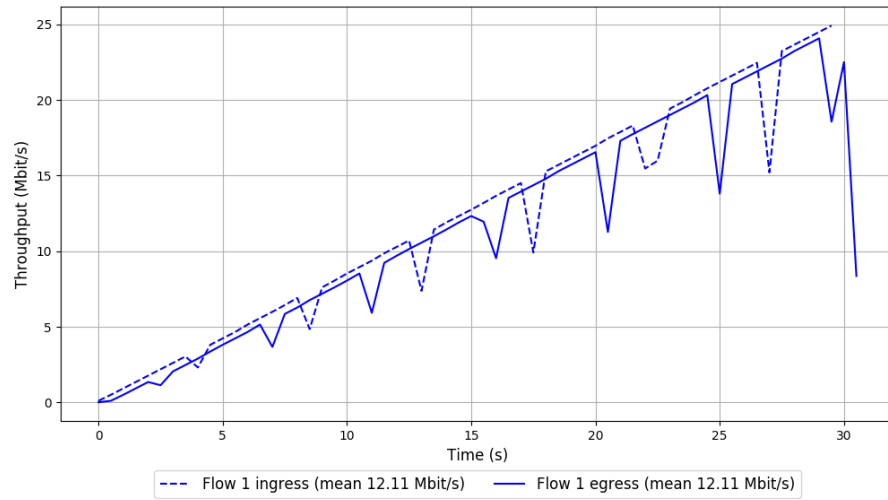


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 01:34:26
End at: 2018-08-09 01:34:56
Local clock offset: 27.653 ms
Remote clock offset: -15.478 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 88.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 88.031 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

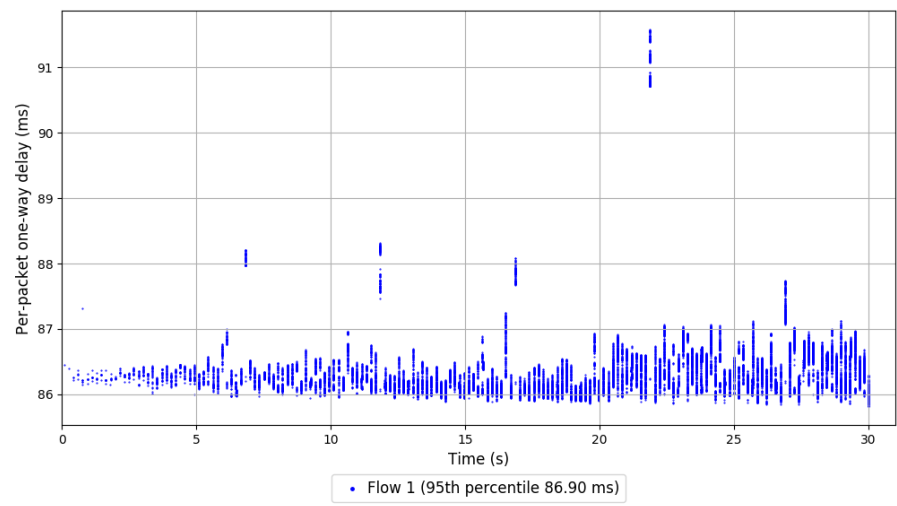
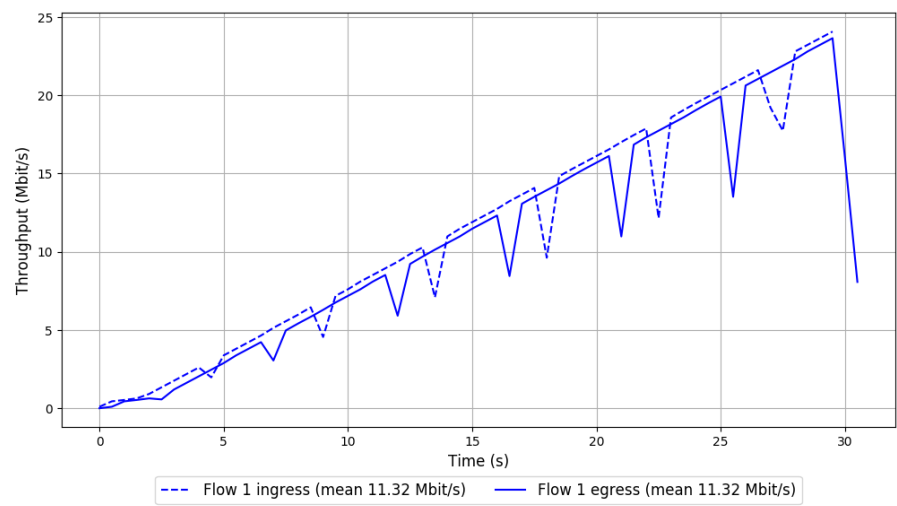


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 01:57:27
End at: 2018-08-09 01:57:58
Local clock offset: 5.916 ms
Remote clock offset: -5.975 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

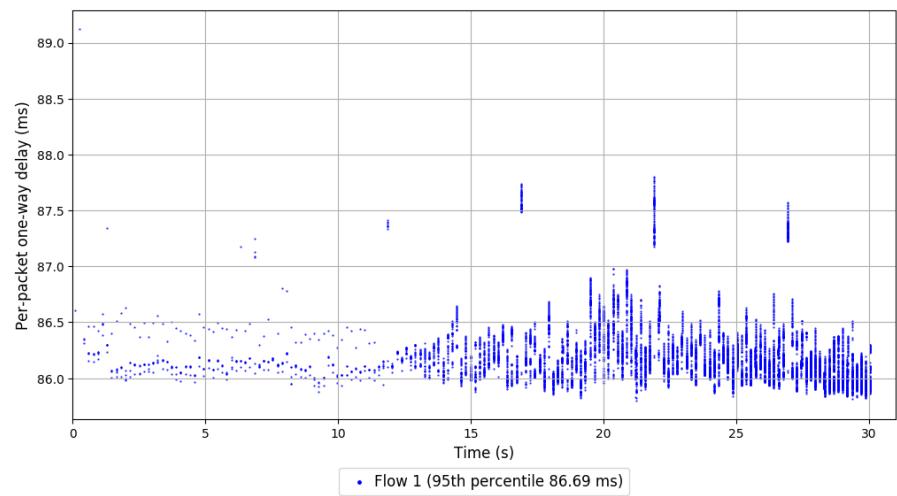
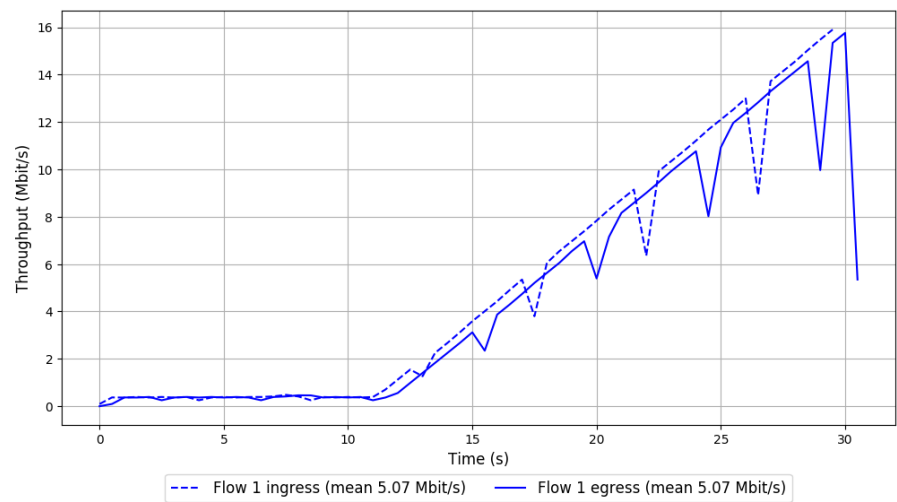


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 02:20:46
End at: 2018-08-09 02:21:16
Local clock offset: 2.653 ms
Remote clock offset: -3.755 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 02:44:09

End at: 2018-08-09 02:44:39

Local clock offset: 2.903 ms

Remote clock offset: -1.73 ms

Below is generated by plot.py at 2018-08-09 05:09:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 86.910 ms

Loss rate: 0.00%

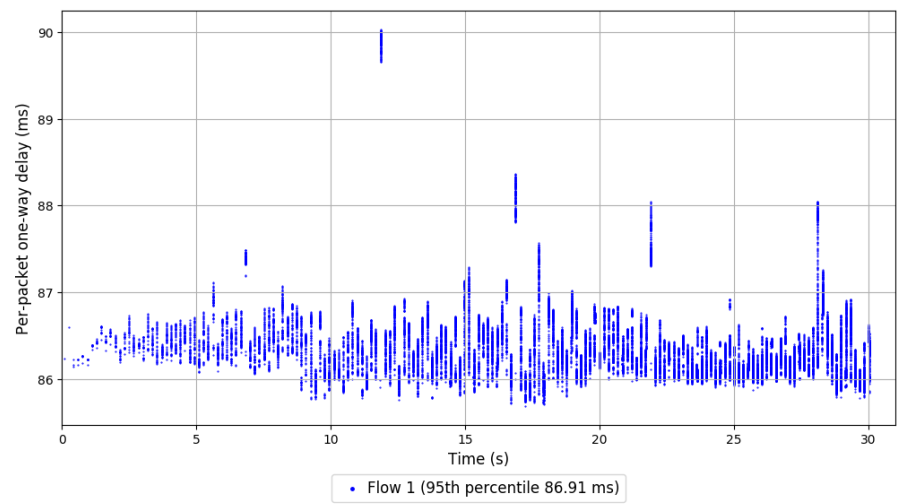
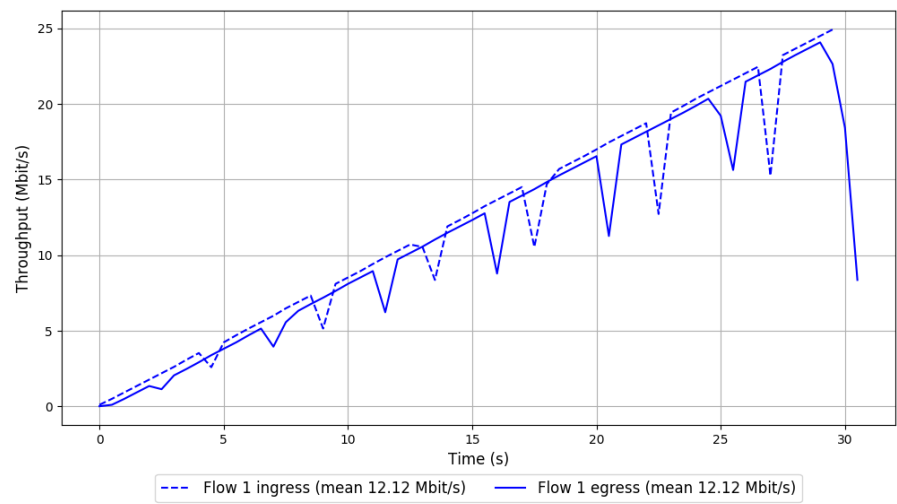
-- Flow 1:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 86.910 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-09 03:07:34

End at: 2018-08-09 03:08:04

Local clock offset: 1.131 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2018-08-09 05:09:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 86.679 ms

Loss rate: 0.00%

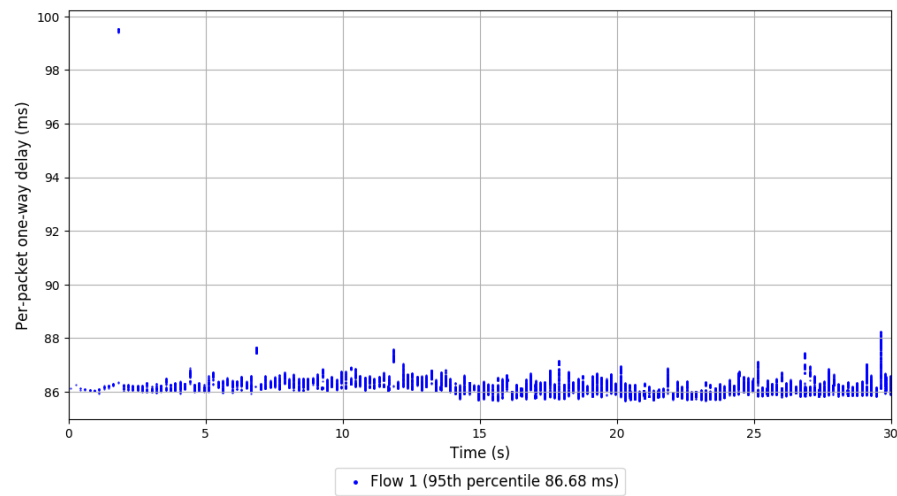
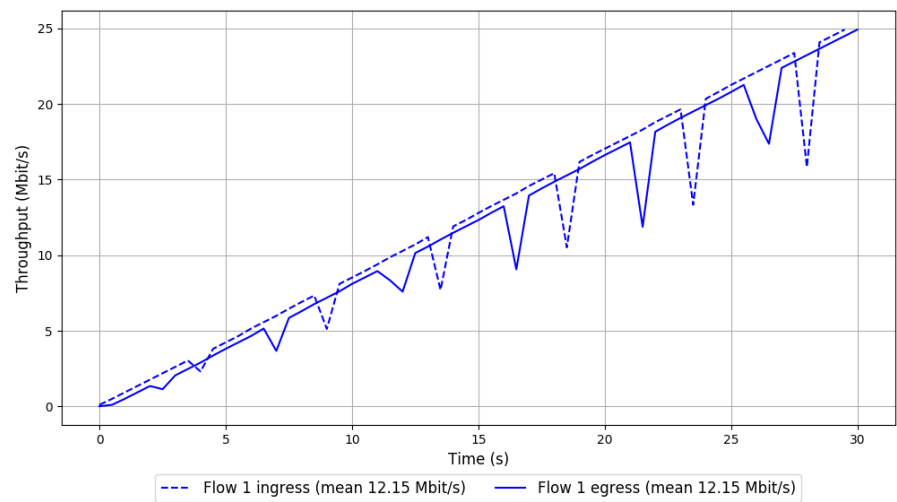
-- Flow 1:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 86.679 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

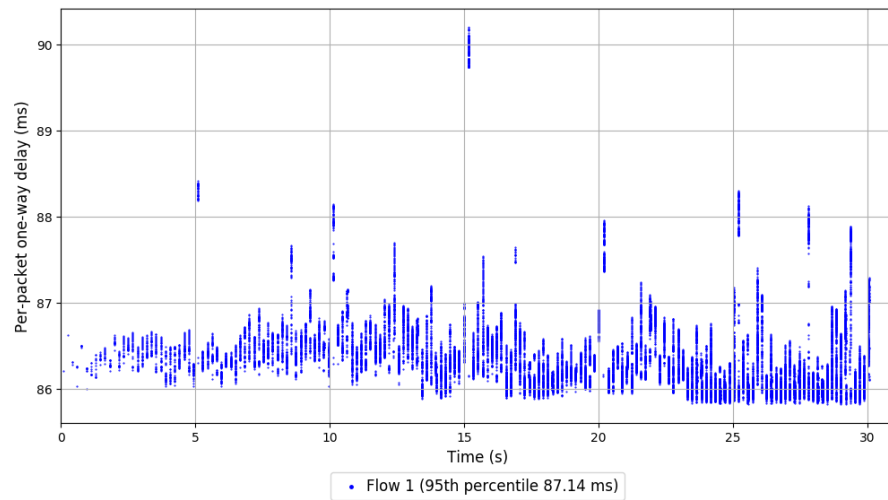
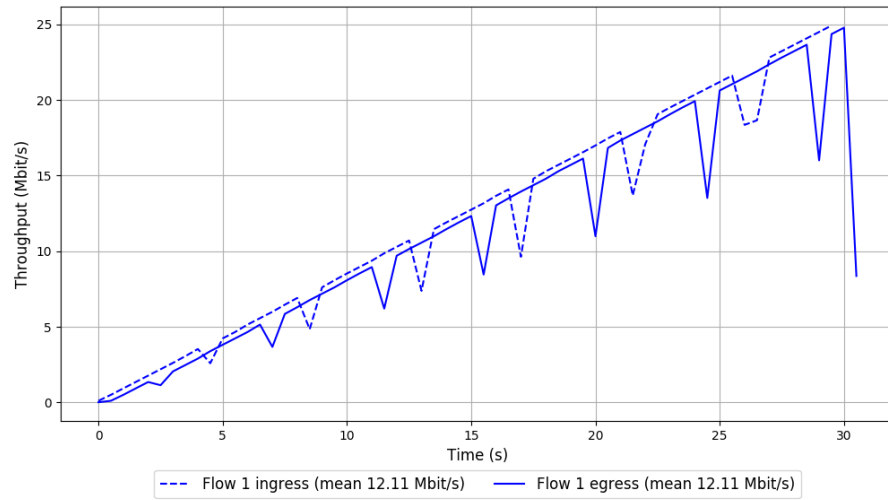


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 03:31:05
End at: 2018-08-09 03:31:35
Local clock offset: 0.141 ms
Remote clock offset: -0.729 ms

Below is generated by plot.py at 2018-08-09 05:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.144 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

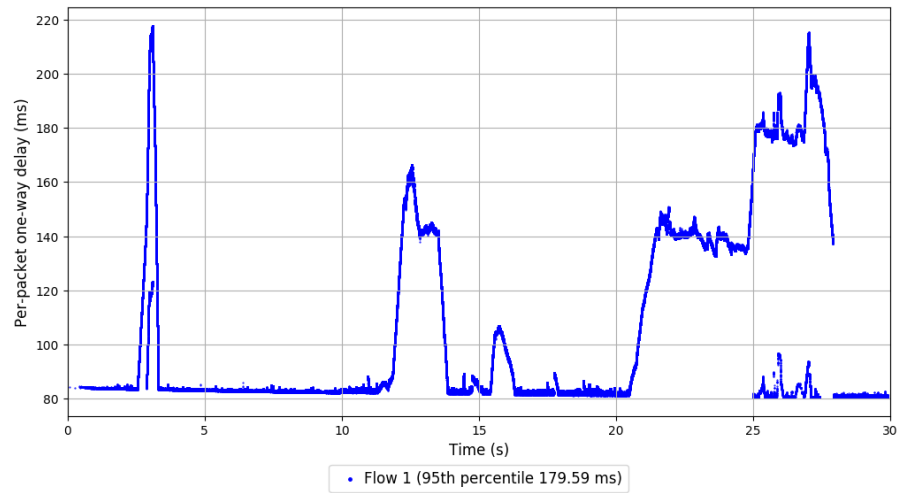
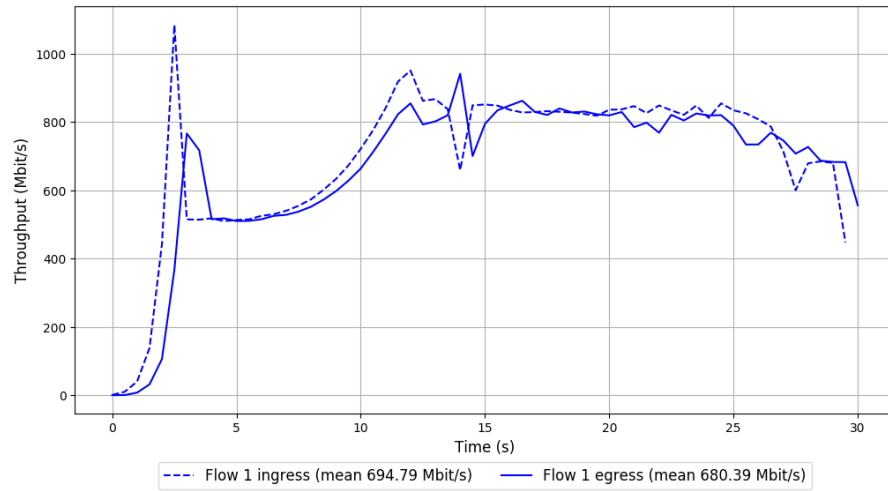


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-08 23:49:18
End at: 2018-08-08 23:49:48
Local clock offset: 18.048 ms
Remote clock offset: -15.113 ms

# Below is generated by plot.py at 2018-08-09 05:13:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 680.39 Mbit/s
95th percentile per-packet one-way delay: 179.586 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 680.39 Mbit/s
95th percentile per-packet one-way delay: 179.586 ms
Loss rate: 2.08%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 00:12:35

End at: 2018-08-09 00:13:05

Local clock offset: 21.324 ms

Remote clock offset: -35.041 ms

Below is generated by plot.py at 2018-08-09 05:13:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 734.04 Mbit/s

95th percentile per-packet one-way delay: 196.512 ms

Loss rate: 4.60%

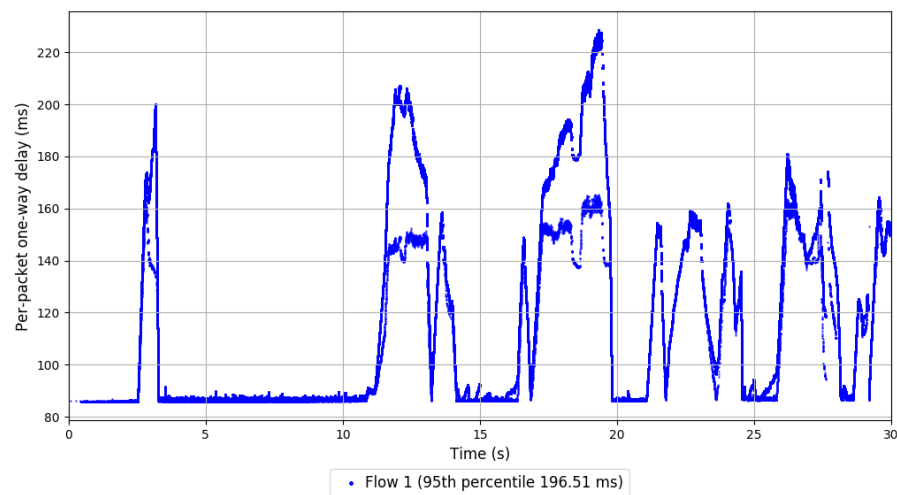
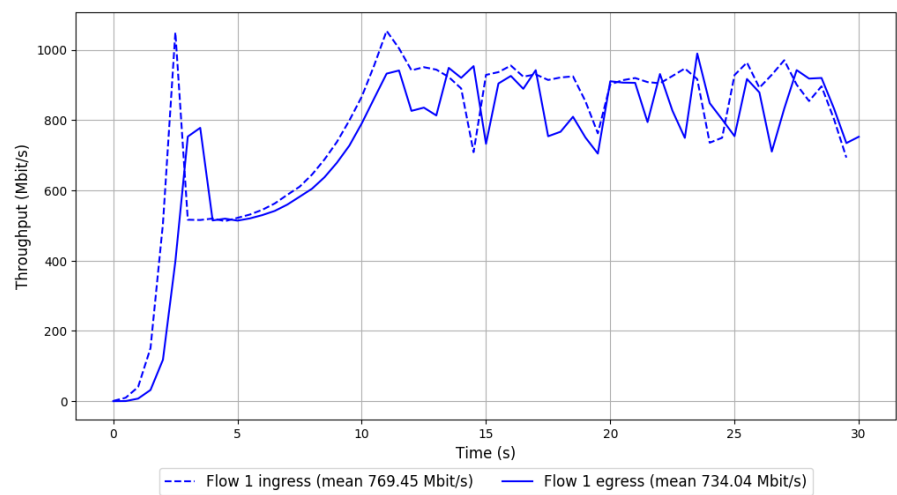
-- Flow 1:

Average throughput: 734.04 Mbit/s

95th percentile per-packet one-way delay: 196.512 ms

Loss rate: 4.60%

Run 2: Report of PCC-Allegro — Data Link

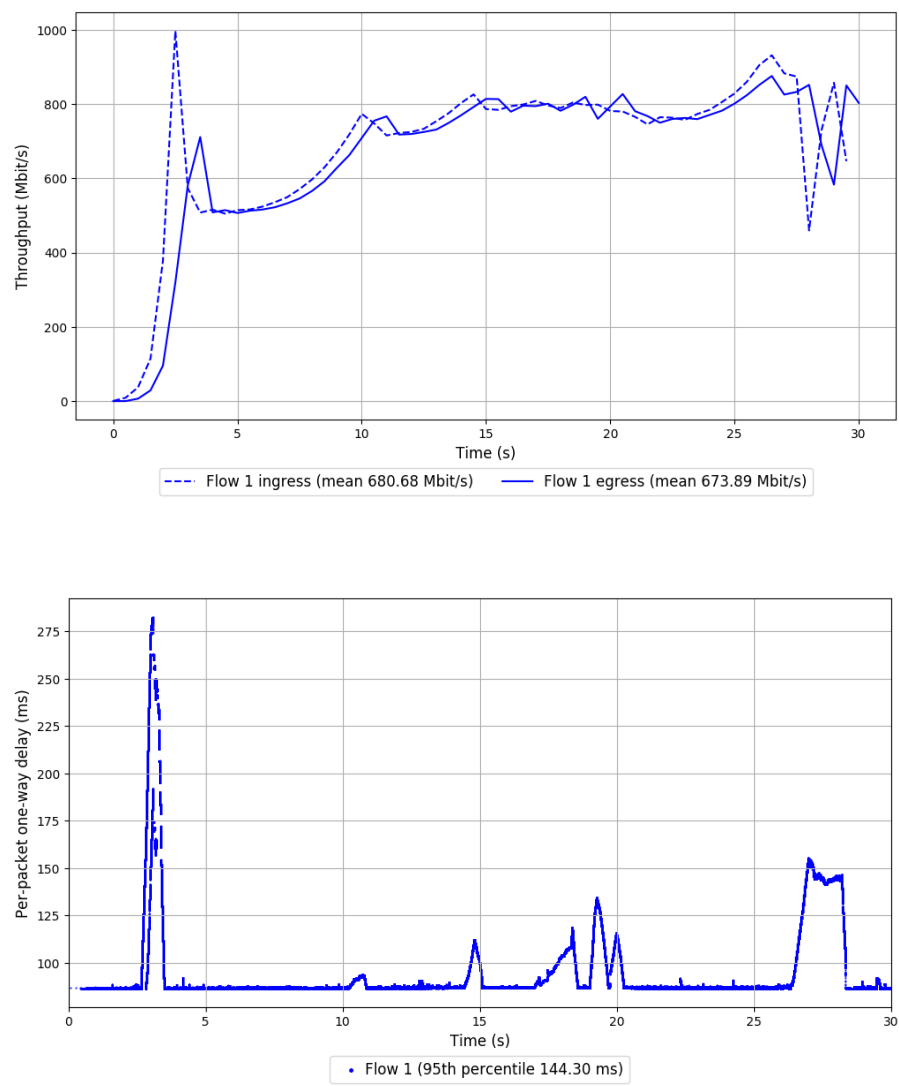


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 00:35:49
End at: 2018-08-09 00:36:19
Local clock offset: 28.097 ms
Remote clock offset: -26.23 ms

Below is generated by plot.py at 2018-08-09 05:13:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 673.89 Mbit/s
95th percentile per-packet one-way delay: 144.303 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 673.89 Mbit/s
95th percentile per-packet one-way delay: 144.303 ms
Loss rate: 1.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 00:59:06

End at: 2018-08-09 00:59:36

Local clock offset: 52.17 ms

Remote clock offset: -27.526 ms

Below is generated by plot.py at 2018-08-09 05:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.79 Mbit/s

95th percentile per-packet one-way delay: 173.242 ms

Loss rate: 1.01%

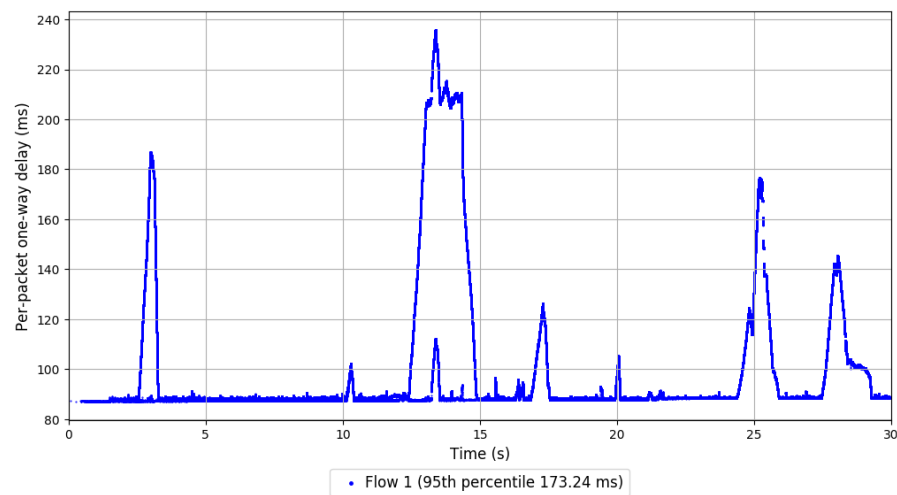
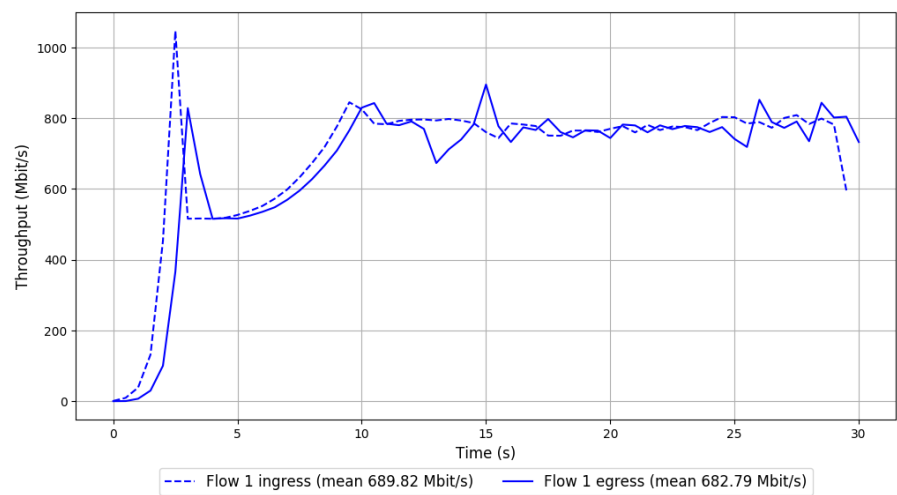
-- Flow 1:

Average throughput: 682.79 Mbit/s

95th percentile per-packet one-way delay: 173.242 ms

Loss rate: 1.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 01:22:33

End at: 2018-08-09 01:23:03

Local clock offset: 21.85 ms

Remote clock offset: -16.189 ms

Below is generated by plot.py at 2018-08-09 05:18:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 657.84 Mbit/s

95th percentile per-packet one-way delay: 160.589 ms

Loss rate: 3.95%

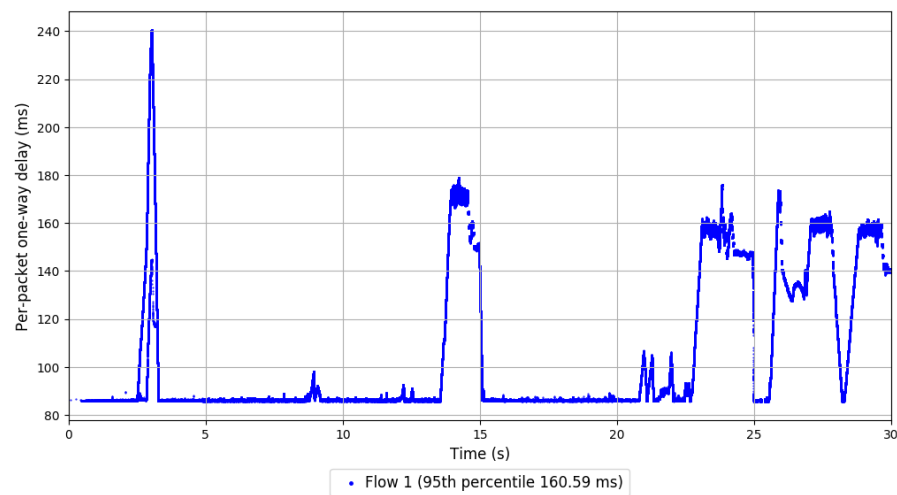
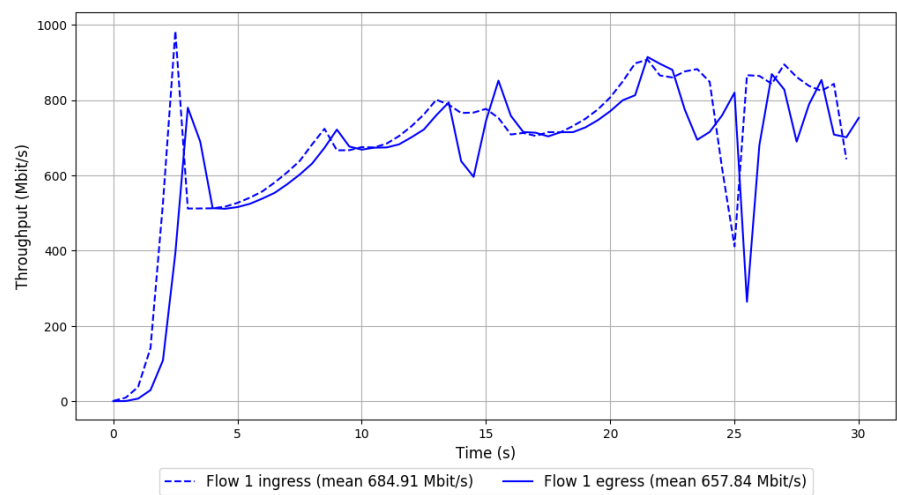
-- Flow 1:

Average throughput: 657.84 Mbit/s

95th percentile per-packet one-way delay: 160.589 ms

Loss rate: 3.95%

Run 5: Report of PCC-Allegro — Data Link

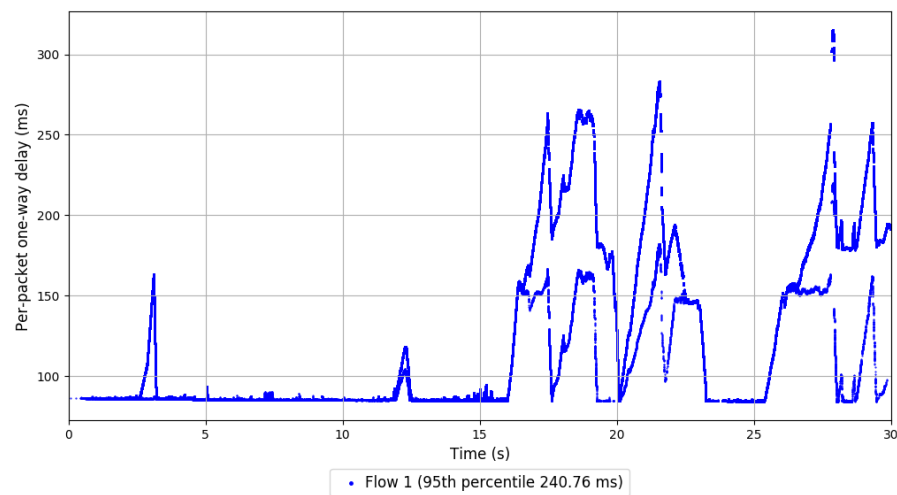
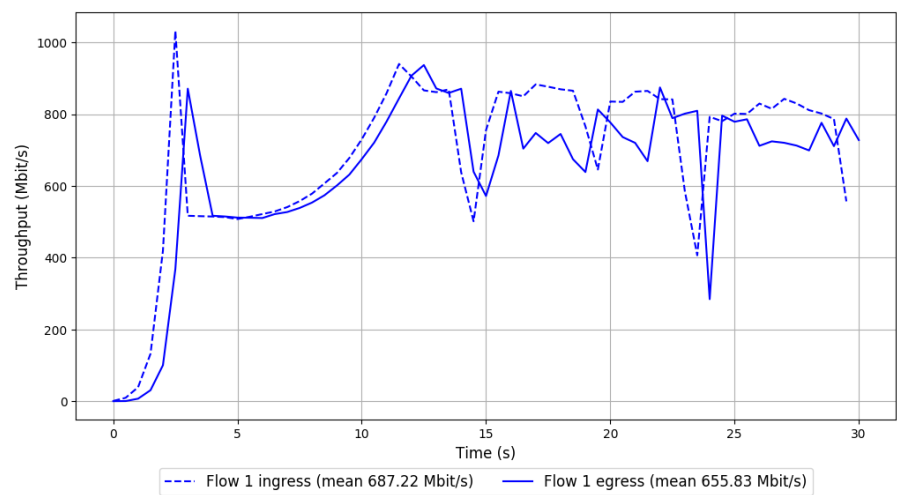


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 01:45:43
End at: 2018-08-09 01:46:13
Local clock offset: 10.892 ms
Remote clock offset: -17.344 ms

Below is generated by plot.py at 2018-08-09 05:19:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 655.83 Mbit/s
95th percentile per-packet one-way delay: 240.762 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 655.83 Mbit/s
95th percentile per-packet one-way delay: 240.762 ms
Loss rate: 4.49%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 02:08:58

End at: 2018-08-09 02:09:28

Local clock offset: 6.423 ms

Remote clock offset: -4.173 ms

Below is generated by plot.py at 2018-08-09 05:19:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.92 Mbit/s

95th percentile per-packet one-way delay: 155.404 ms

Loss rate: 0.83%

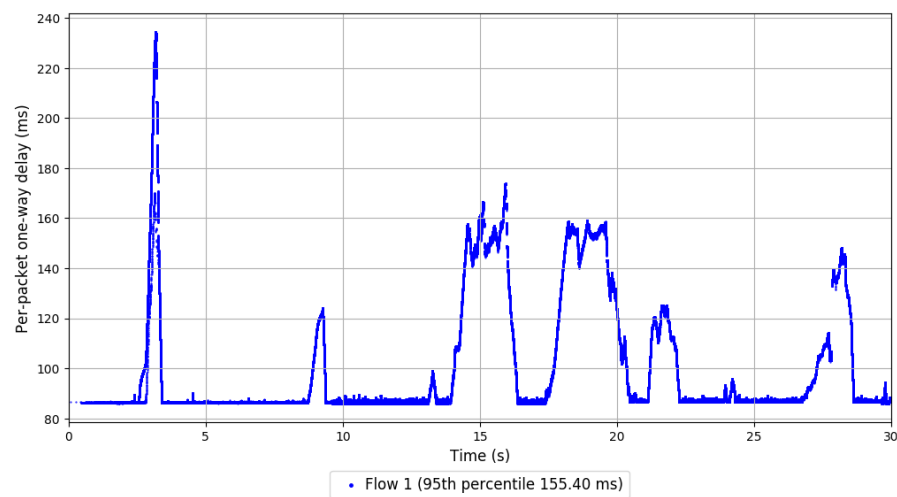
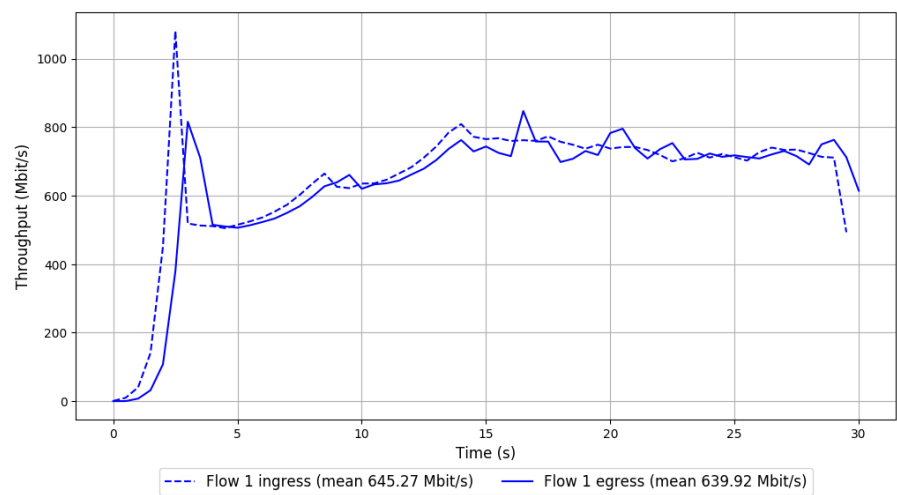
-- Flow 1:

Average throughput: 639.92 Mbit/s

95th percentile per-packet one-way delay: 155.404 ms

Loss rate: 0.83%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 02:32:18

End at: 2018-08-09 02:32:48

Local clock offset: 2.249 ms

Remote clock offset: -1.686 ms

Below is generated by plot.py at 2018-08-09 05:20:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 645.88 Mbit/s

95th percentile per-packet one-way delay: 132.208 ms

Loss rate: 0.68%

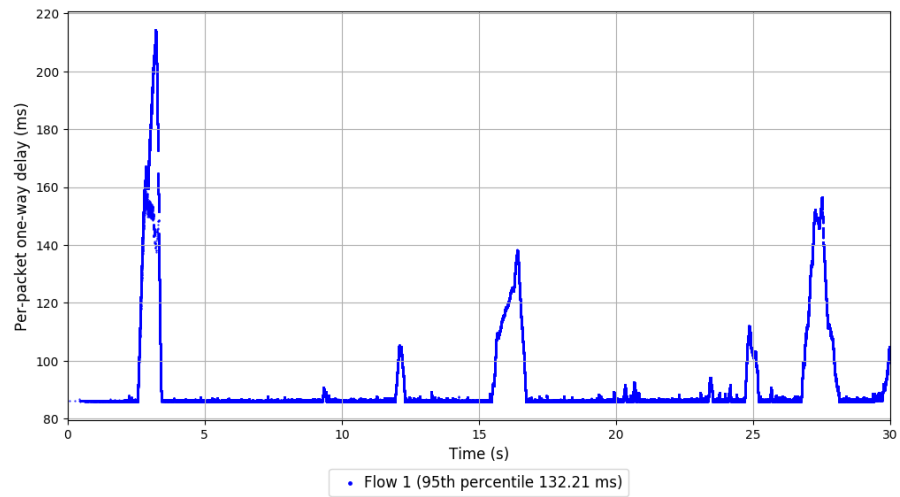
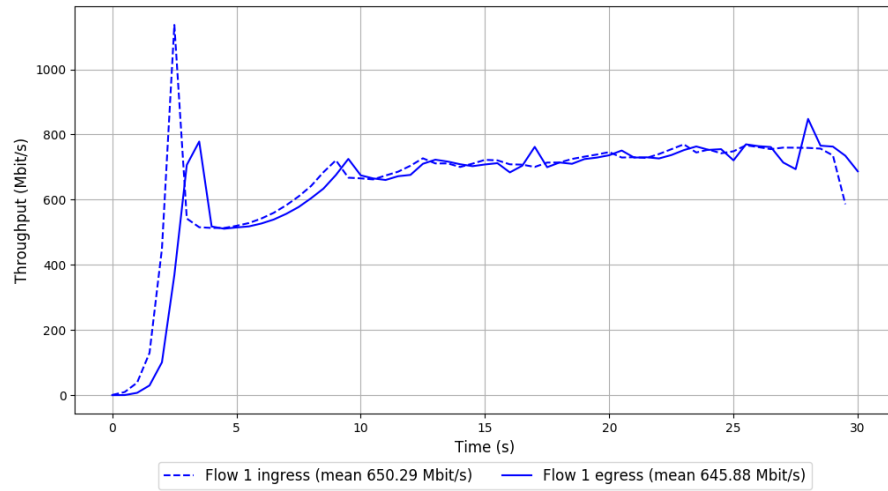
-- Flow 1:

Average throughput: 645.88 Mbit/s

95th percentile per-packet one-way delay: 132.208 ms

Loss rate: 0.68%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 02:55:36

End at: 2018-08-09 02:56:06

Local clock offset: 1.264 ms

Remote clock offset: -1.595 ms

Below is generated by plot.py at 2018-08-09 05:22:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.18 Mbit/s

95th percentile per-packet one-way delay: 146.515 ms

Loss rate: 0.71%

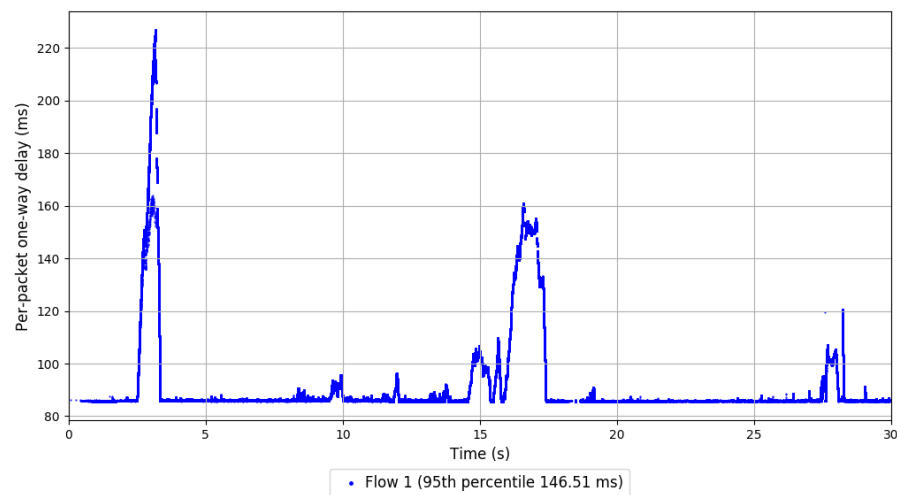
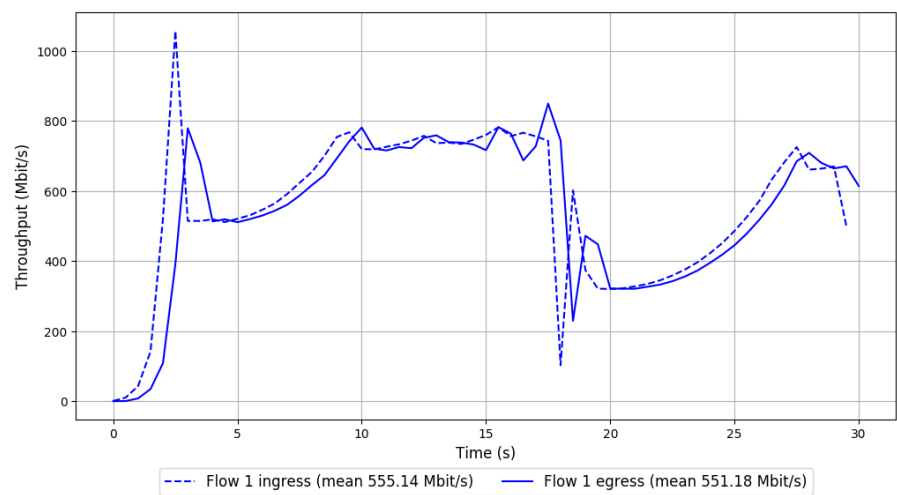
-- Flow 1:

Average throughput: 551.18 Mbit/s

95th percentile per-packet one-way delay: 146.515 ms

Loss rate: 0.71%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 03:19:10

End at: 2018-08-09 03:19:40

Local clock offset: 1.104 ms

Remote clock offset: -0.865 ms

Below is generated by plot.py at 2018-08-09 05:24:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 636.97 Mbit/s

95th percentile per-packet one-way delay: 150.709 ms

Loss rate: 1.17%

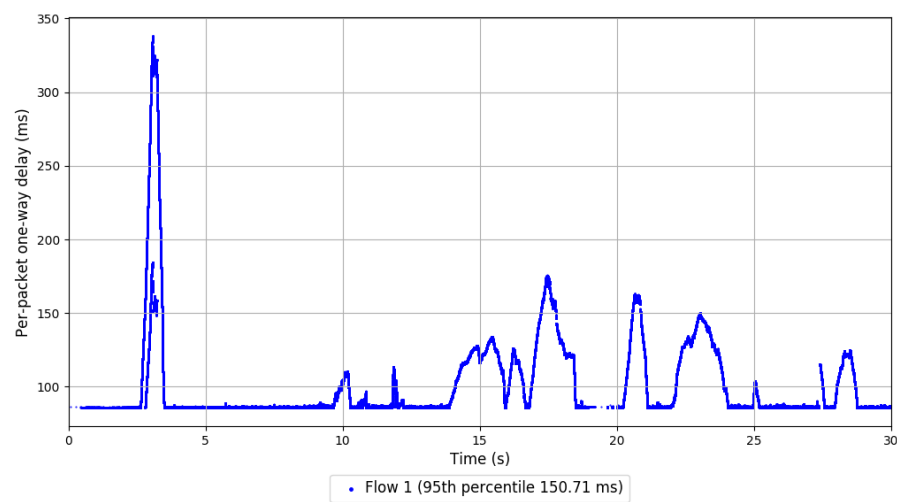
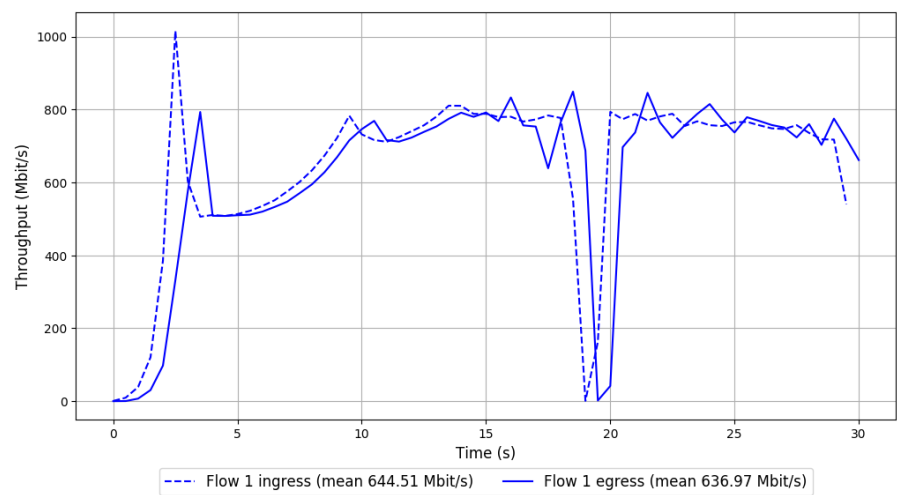
-- Flow 1:

Average throughput: 636.97 Mbit/s

95th percentile per-packet one-way delay: 150.709 ms

Loss rate: 1.17%

Run 10: Report of PCC-Allegro — Data Link

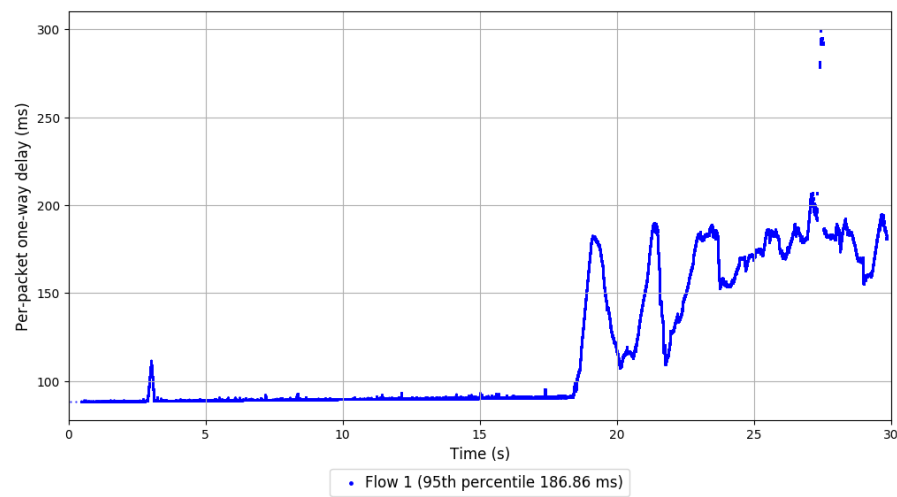
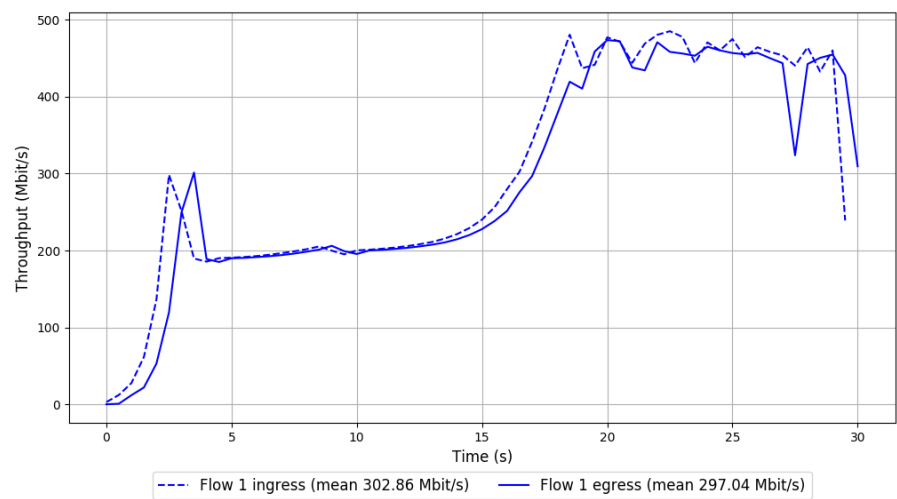


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-08 23:59:35
End at: 2018-08-09 00:00:05
Local clock offset: 38.248 ms
Remote clock offset: -26.221 ms

# Below is generated by plot.py at 2018-08-09 05:24:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 297.04 Mbit/s
95th percentile per-packet one-way delay: 186.858 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 297.04 Mbit/s
95th percentile per-packet one-way delay: 186.858 ms
Loss rate: 1.91%
```


Run 1: Report of PCC-Expr — Data Link

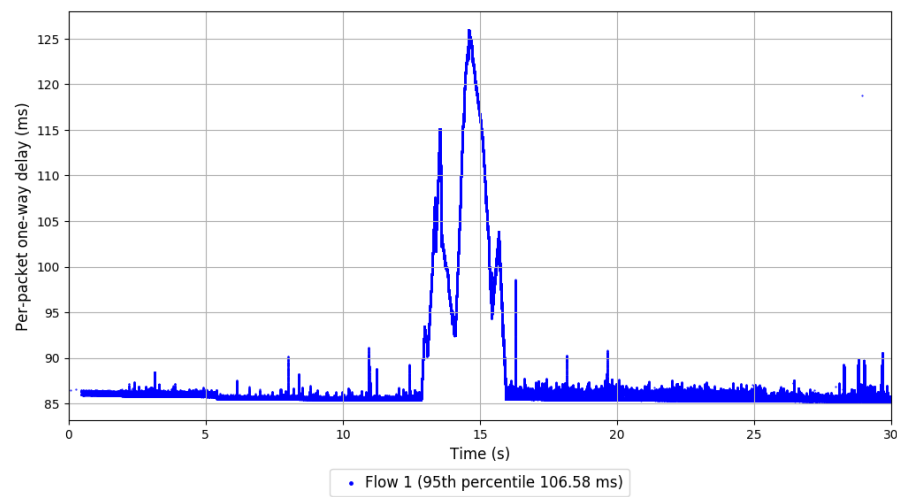
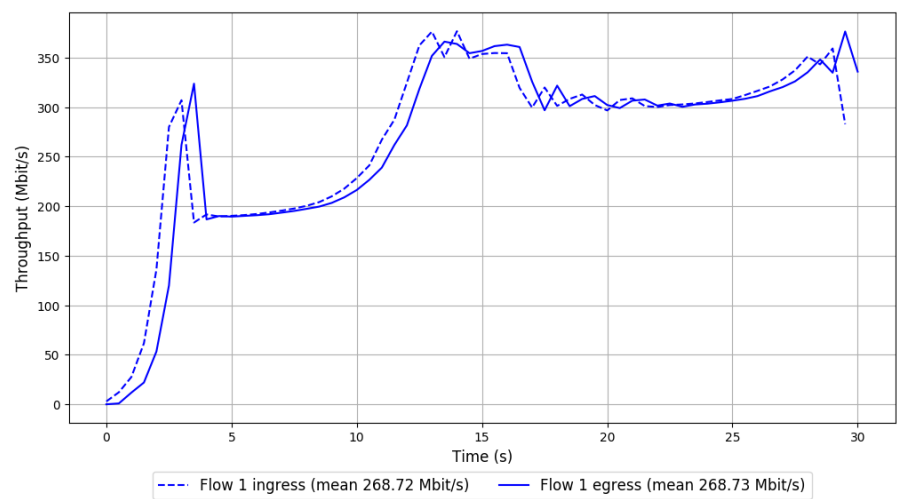


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 00:22:52
End at: 2018-08-09 00:23:22
Local clock offset: 28.993 ms
Remote clock offset: -28.39 ms

Below is generated by plot.py at 2018-08-09 05:24:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.73 Mbit/s
95th percentile per-packet one-way delay: 106.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.73 Mbit/s
95th percentile per-packet one-way delay: 106.583 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

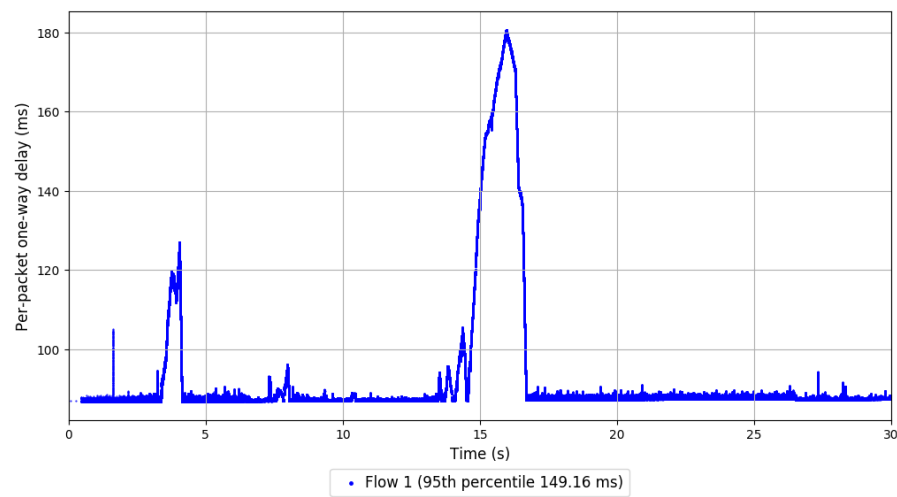
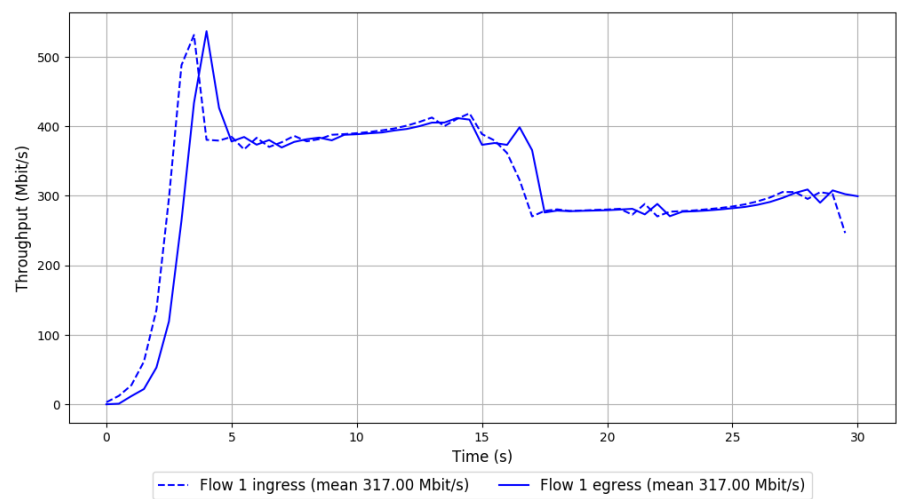


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 00:46:11
End at: 2018-08-09 00:46:41
Local clock offset: 34.367 ms
Remote clock offset: -19.544 ms

Below is generated by plot.py at 2018-08-09 05:28:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.00 Mbit/s
95th percentile per-packet one-way delay: 149.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 317.00 Mbit/s
95th percentile per-packet one-way delay: 149.156 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

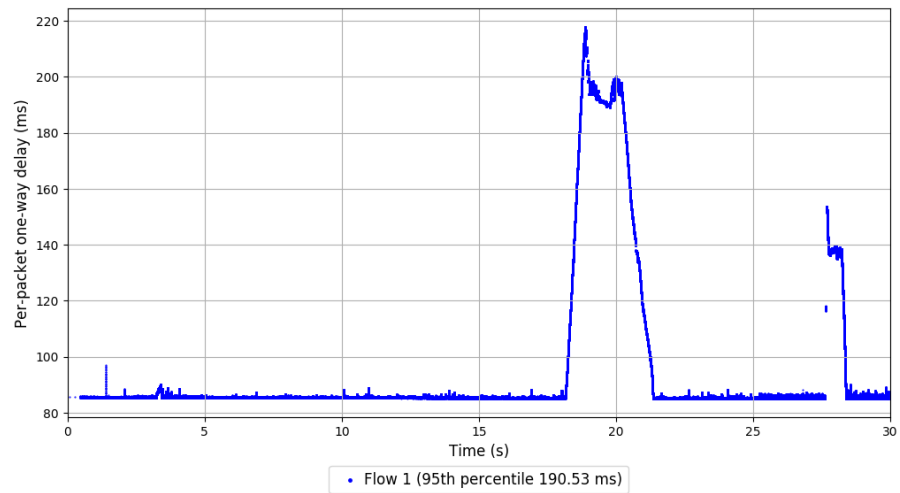
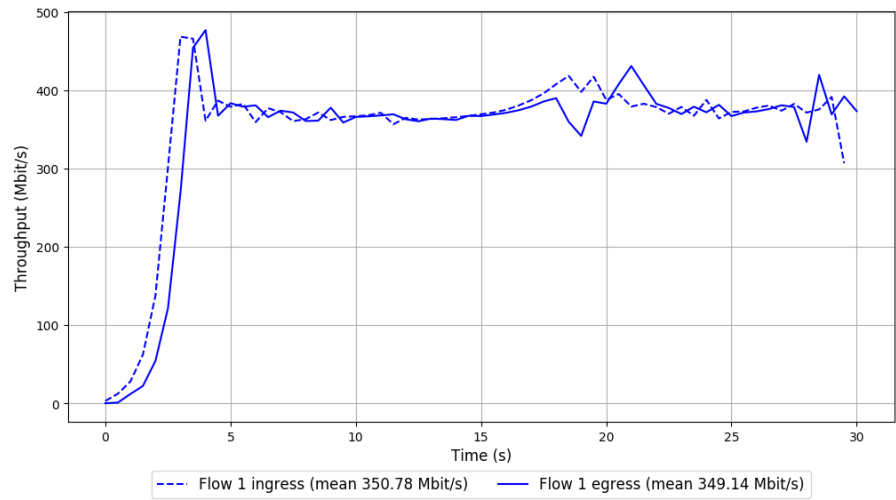


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 01:09:23
End at: 2018-08-09 01:09:53
Local clock offset: 29.608 ms
Remote clock offset: -37.695 ms

Below is generated by plot.py at 2018-08-09 05:30:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.14 Mbit/s
95th percentile per-packet one-way delay: 190.535 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 349.14 Mbit/s
95th percentile per-packet one-way delay: 190.535 ms
Loss rate: 0.47%

Run 4: Report of PCC-Expr — Data Link

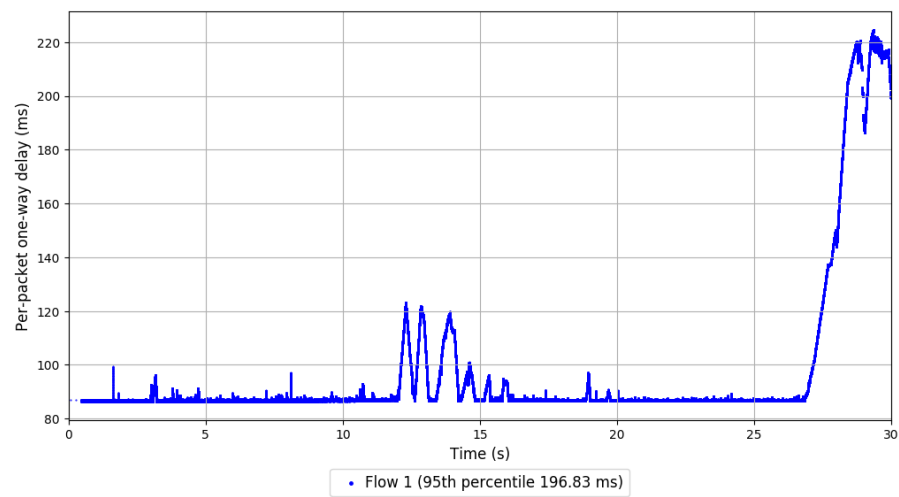
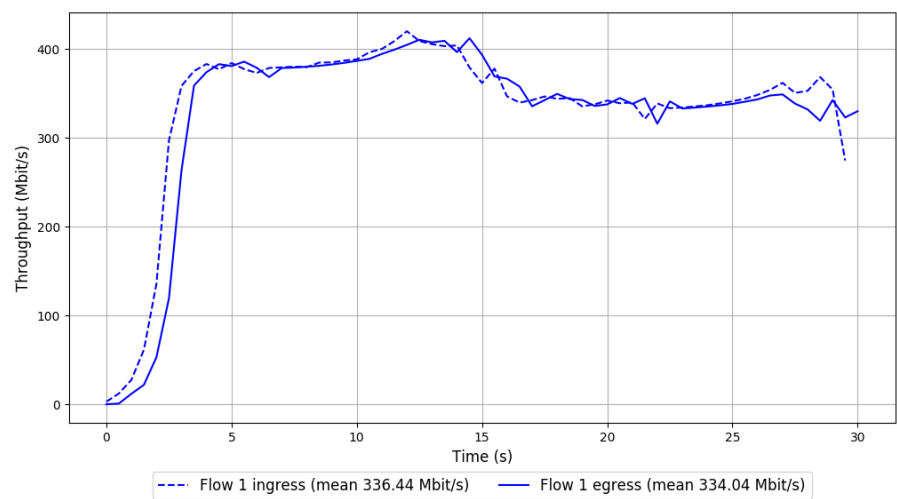


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 01:32:49
End at: 2018-08-09 01:33:19
Local clock offset: 26.453 ms
Remote clock offset: -15.257 ms

Below is generated by plot.py at 2018-08-09 05:30:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.04 Mbit/s
95th percentile per-packet one-way delay: 196.828 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 334.04 Mbit/s
95th percentile per-packet one-way delay: 196.828 ms
Loss rate: 0.71%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 01:55:59

End at: 2018-08-09 01:56:29

Local clock offset: 6.399 ms

Remote clock offset: -6.53 ms

Below is generated by plot.py at 2018-08-09 05:30:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.01 Mbit/s

95th percentile per-packet one-way delay: 86.430 ms

Loss rate: 0.00%

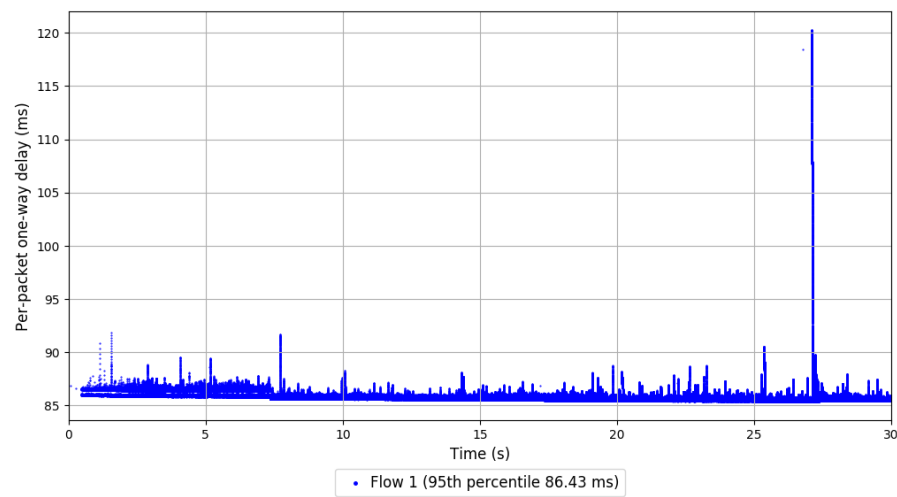
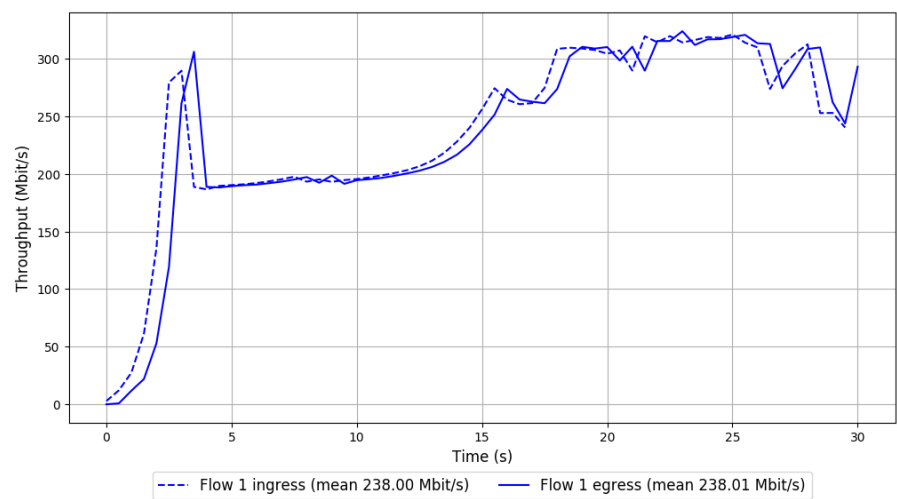
-- Flow 1:

Average throughput: 238.01 Mbit/s

95th percentile per-packet one-way delay: 86.430 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

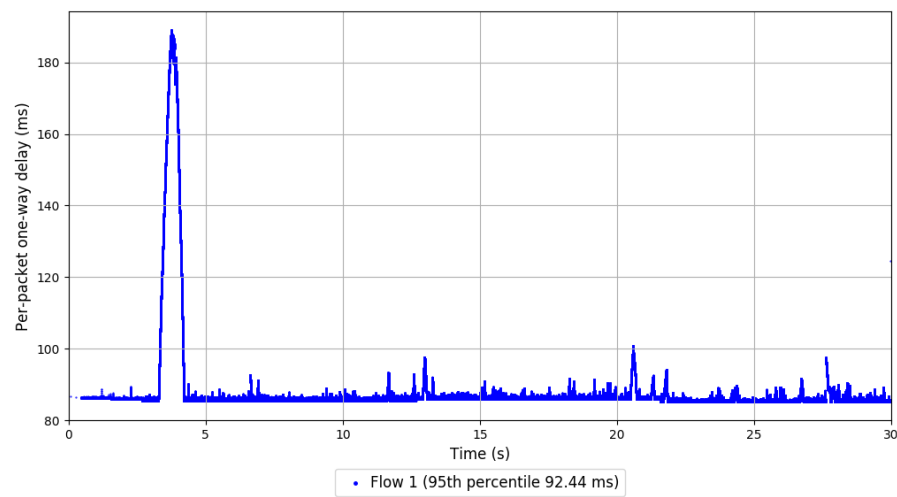
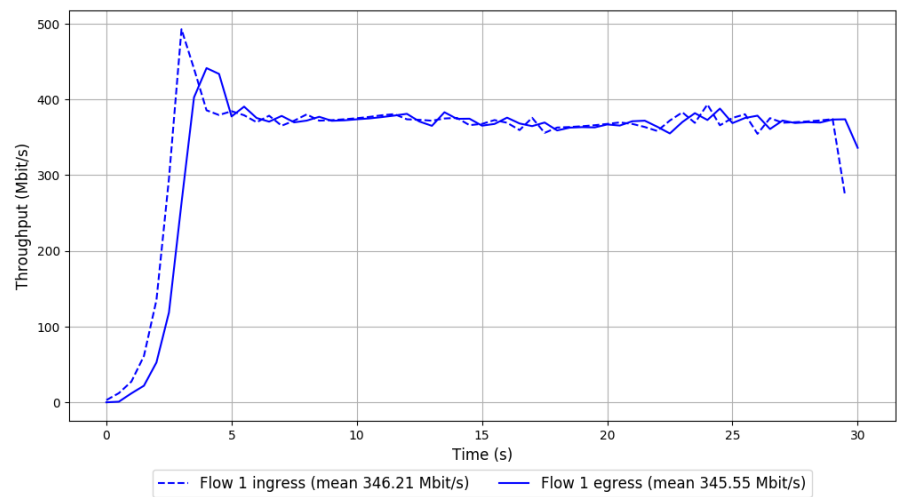


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 02:19:05
End at: 2018-08-09 02:19:35
Local clock offset: 3.195 ms
Remote clock offset: -4.377 ms

Below is generated by plot.py at 2018-08-09 05:33:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.55 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 345.55 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 0.19%

Run 7: Report of PCC-Expr — Data Link

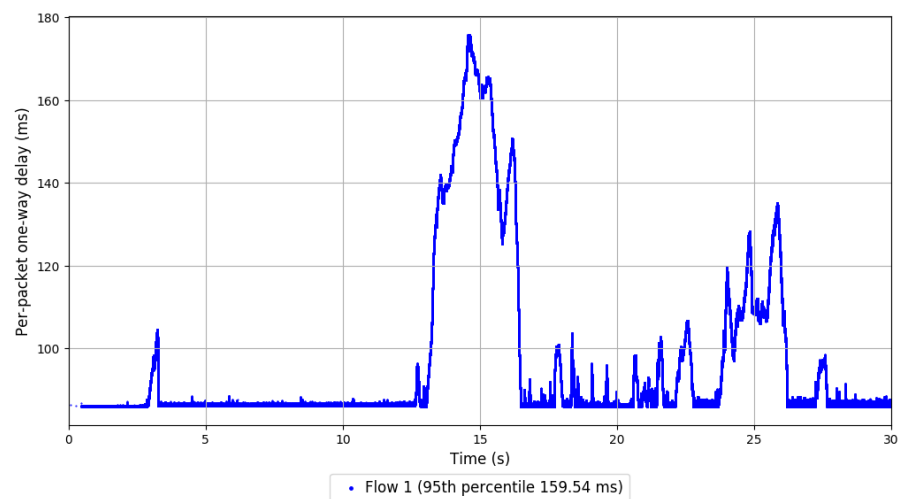
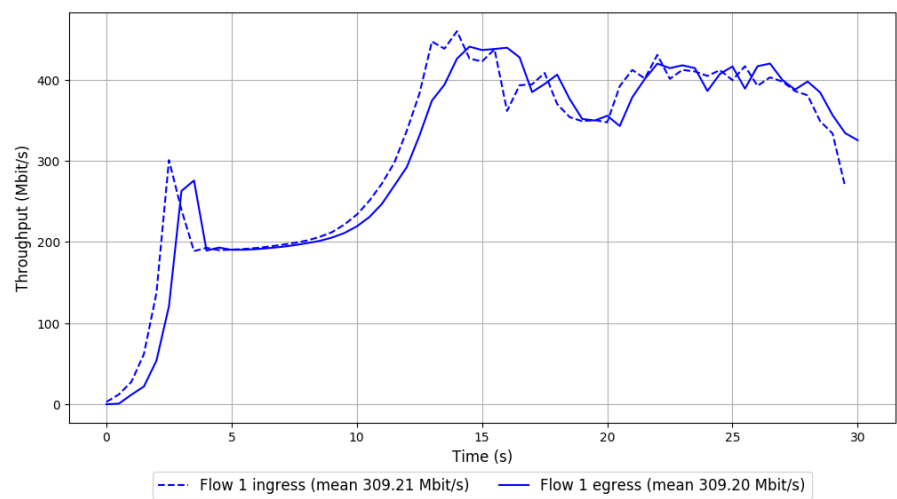


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 02:42:35
End at: 2018-08-09 02:43:05
Local clock offset: 2.664 ms
Remote clock offset: -1.677 ms

Below is generated by plot.py at 2018-08-09 05:33:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.20 Mbit/s
95th percentile per-packet one-way delay: 159.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.20 Mbit/s
95th percentile per-packet one-way delay: 159.541 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

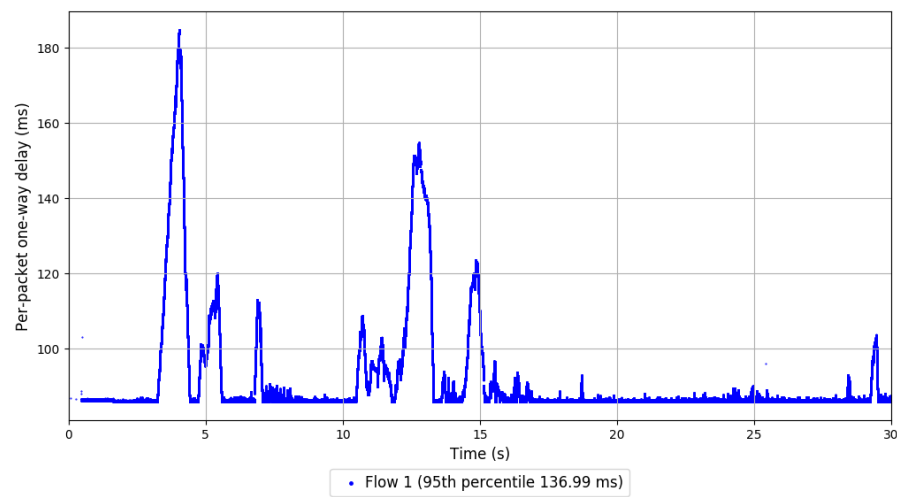
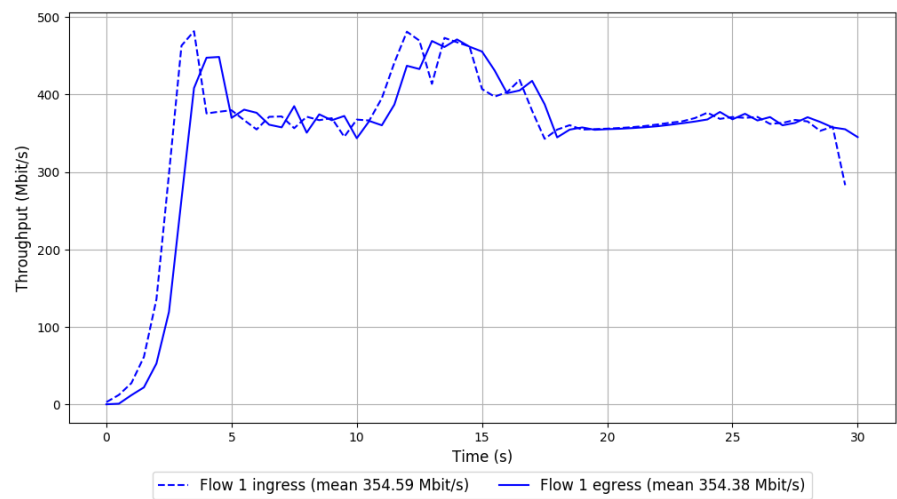


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 03:05:55
End at: 2018-08-09 03:06:25
Local clock offset: 0.813 ms
Remote clock offset: -0.831 ms

Below is generated by plot.py at 2018-08-09 05:34:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.38 Mbit/s
95th percentile per-packet one-way delay: 136.989 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 354.38 Mbit/s
95th percentile per-packet one-way delay: 136.989 ms
Loss rate: 0.06%

Run 9: Report of PCC-Expr — Data Link

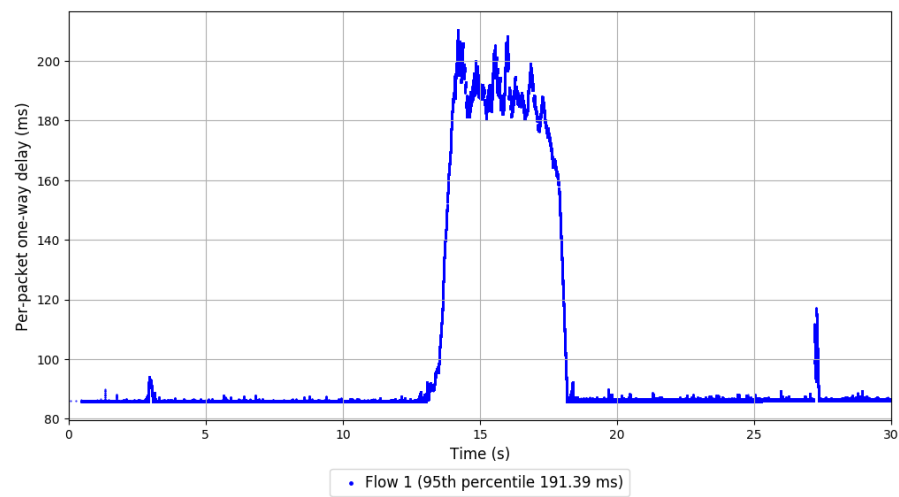
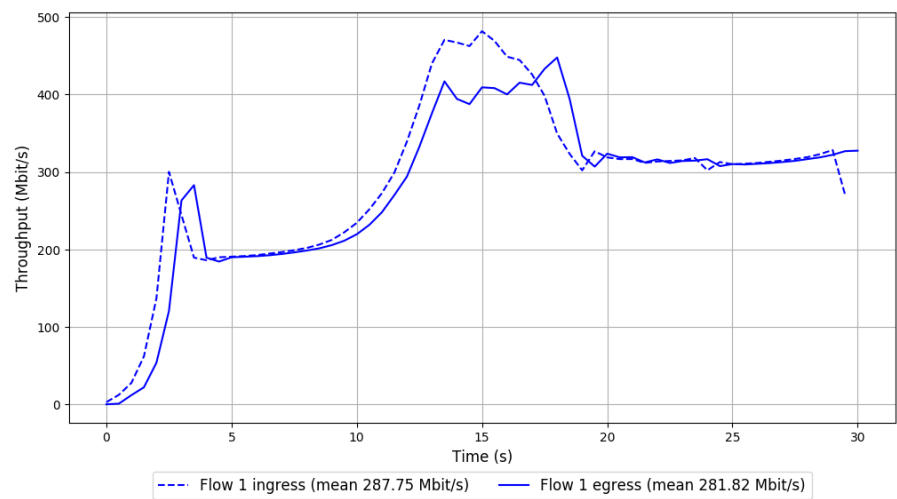


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 03:29:33
End at: 2018-08-09 03:30:03
Local clock offset: 0.125 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2018-08-09 05:34:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.82 Mbit/s
95th percentile per-packet one-way delay: 191.394 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 281.82 Mbit/s
95th percentile per-packet one-way delay: 191.394 ms
Loss rate: 2.06%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

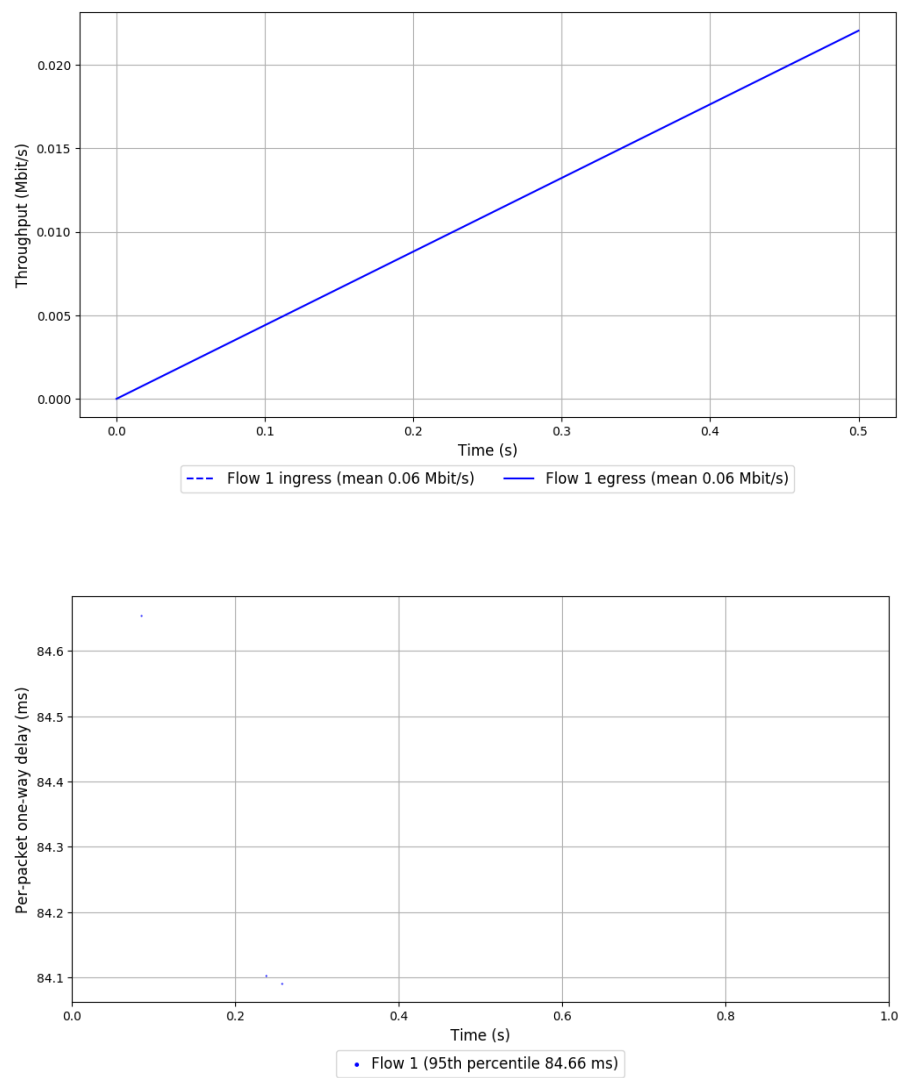
Start at: 2018-08-09 00:05:01

End at: 2018-08-09 00:05:31

Local clock offset: 22.552 ms

Remote clock offset: -27.118 ms

Run 1: Report of QUIC Cubic — Data Link

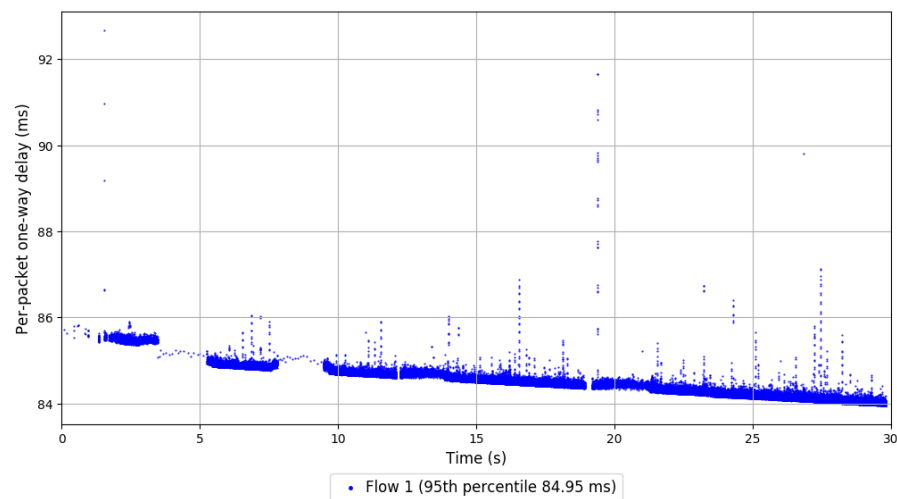
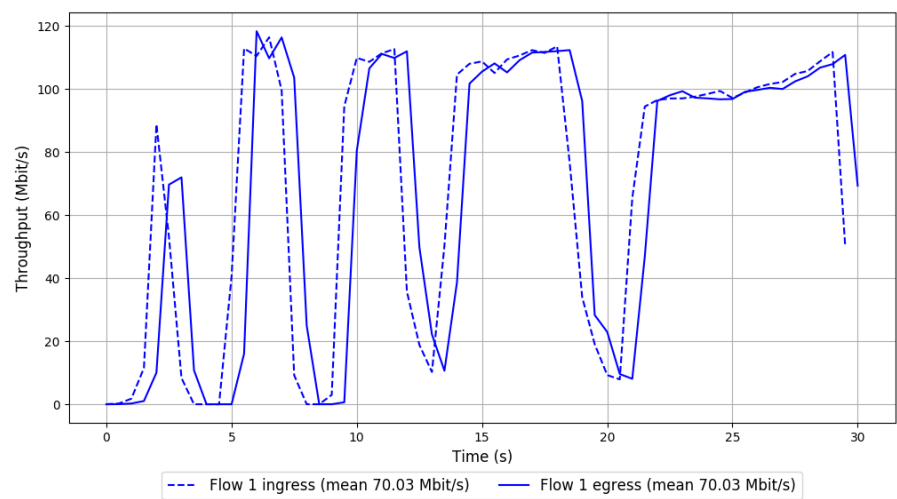


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 00:28:14
End at: 2018-08-09 00:28:44
Local clock offset: 37.377 ms
Remote clock offset: -20.141 ms

Below is generated by plot.py at 2018-08-09 05:34:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 84.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 84.946 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

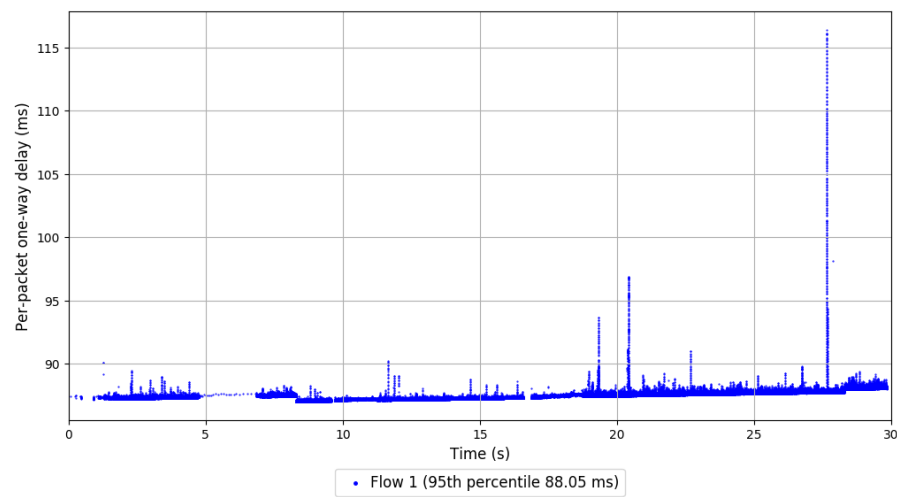
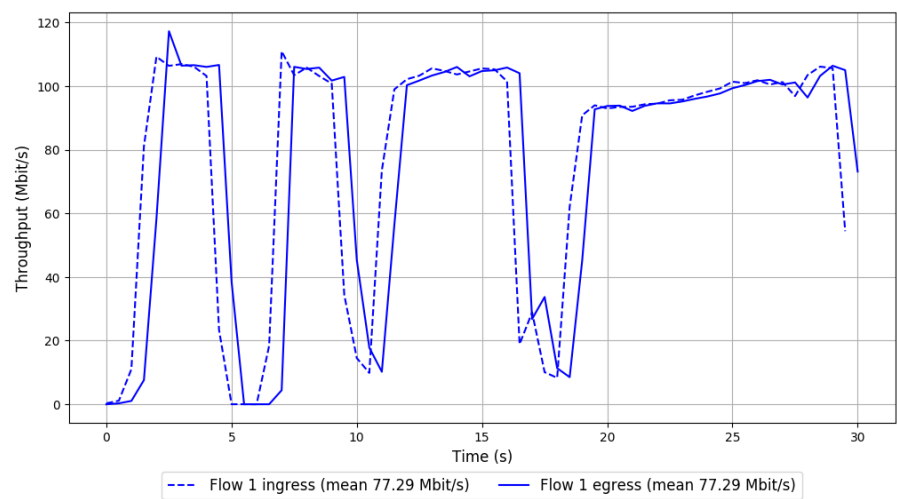


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 00:51:39
End at: 2018-08-09 00:52:09
Local clock offset: 41.431 ms
Remote clock offset: -21.675 ms

Below is generated by plot.py at 2018-08-09 05:34:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 88.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 88.052 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

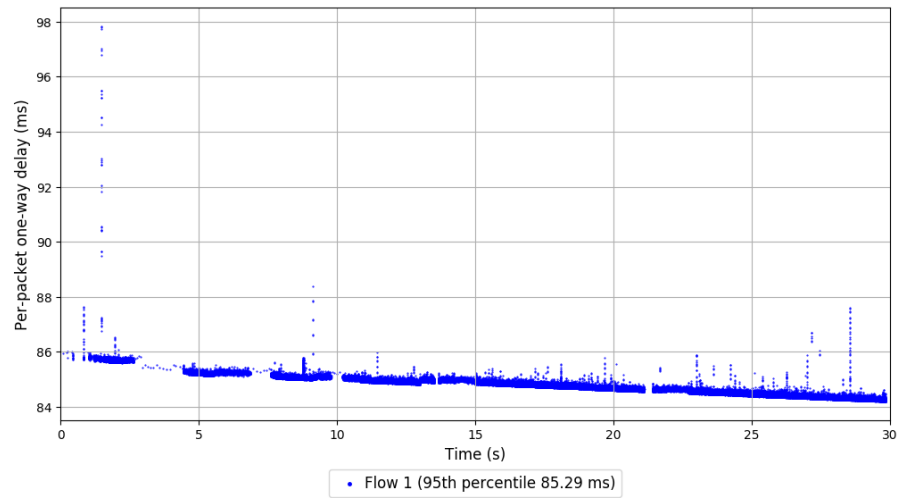
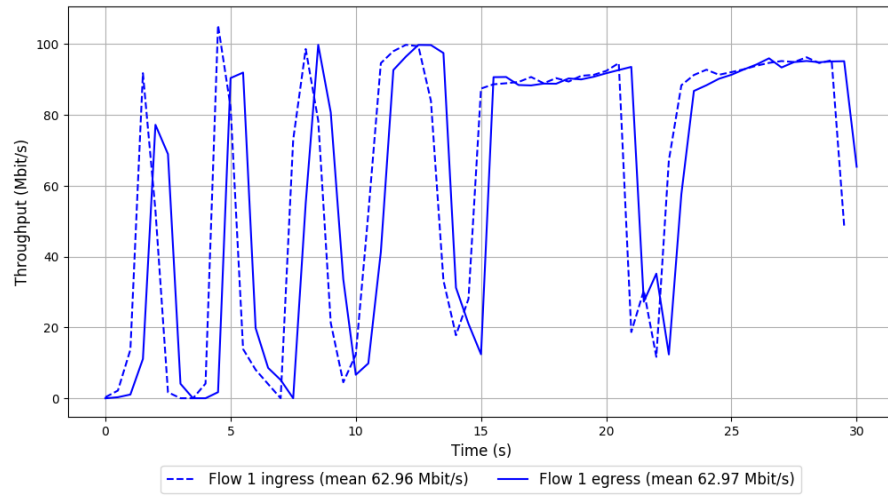


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 01:14:54
End at: 2018-08-09 01:15:24
Local clock offset: 23.053 ms
Remote clock offset: -25.274 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.97 Mbit/s
95th percentile per-packet one-way delay: 85.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.97 Mbit/s
95th percentile per-packet one-way delay: 85.294 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

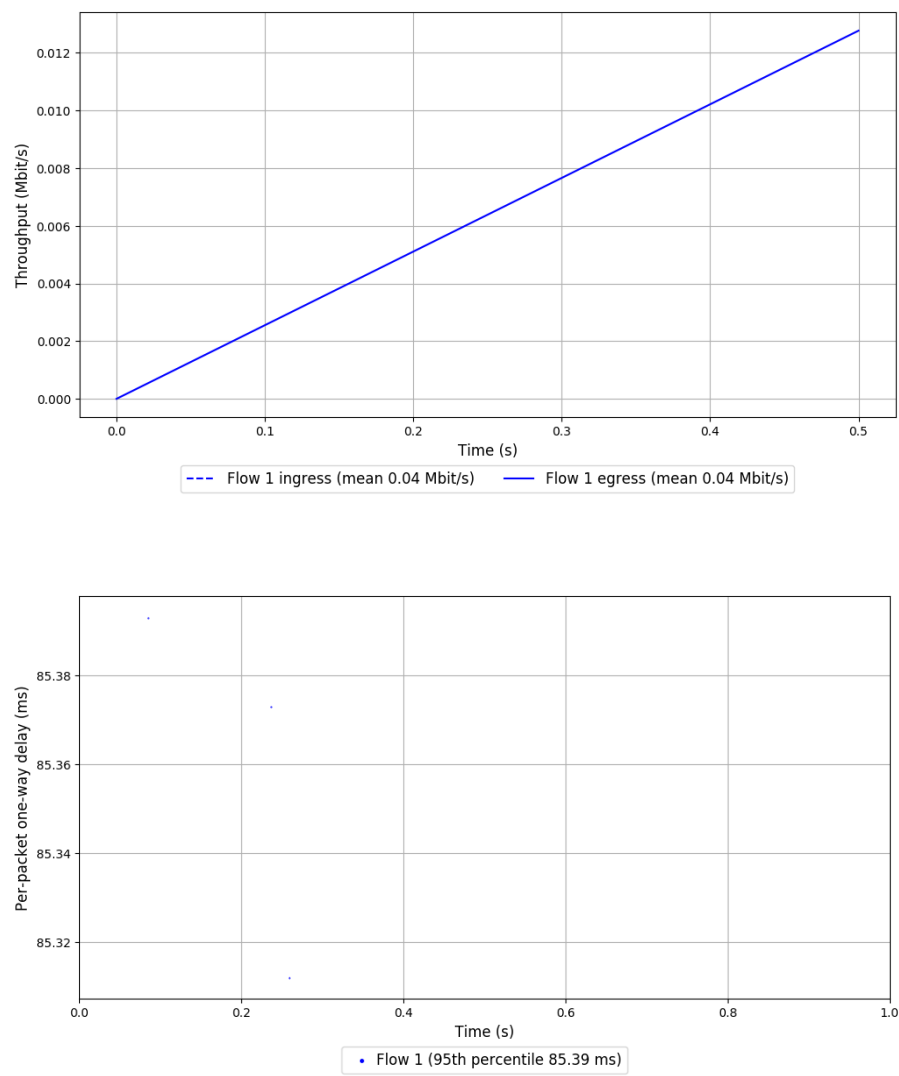
Start at: 2018-08-09 01:38:16

End at: 2018-08-09 01:38:46

Local clock offset: 22.573 ms

Remote clock offset: -16.945 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 02:01:17

End at: 2018-08-09 02:01:47

Local clock offset: 5.833 ms

Remote clock offset: -4.87 ms

Below is generated by plot.py at 2018-08-09 05:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 86.189 ms

Loss rate: 0.00%

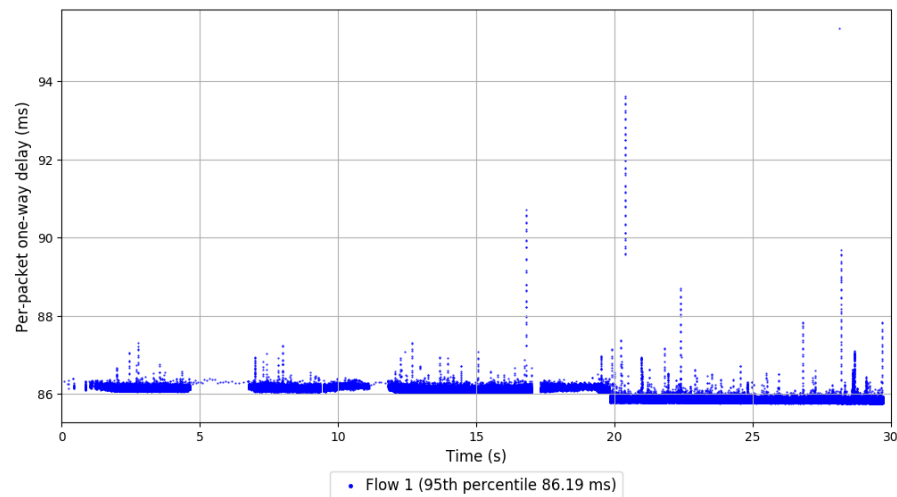
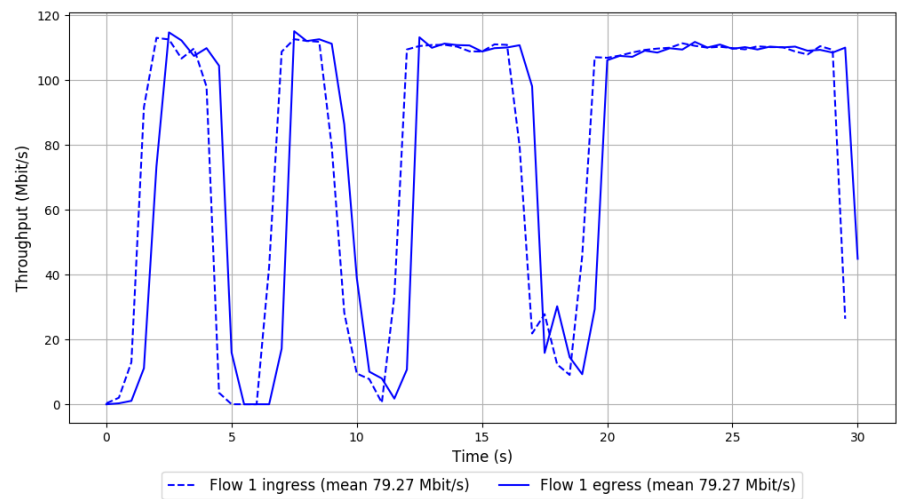
-- Flow 1:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 86.189 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 02:24:40

End at: 2018-08-09 02:25:10

Local clock offset: 2.276 ms

Remote clock offset: -2.651 ms

Below is generated by plot.py at 2018-08-09 05:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 86.475 ms

Loss rate: 0.00%

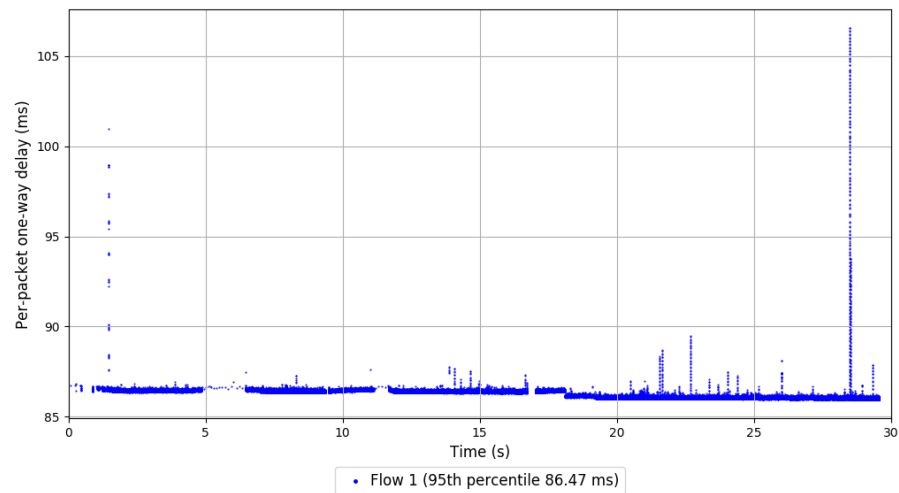
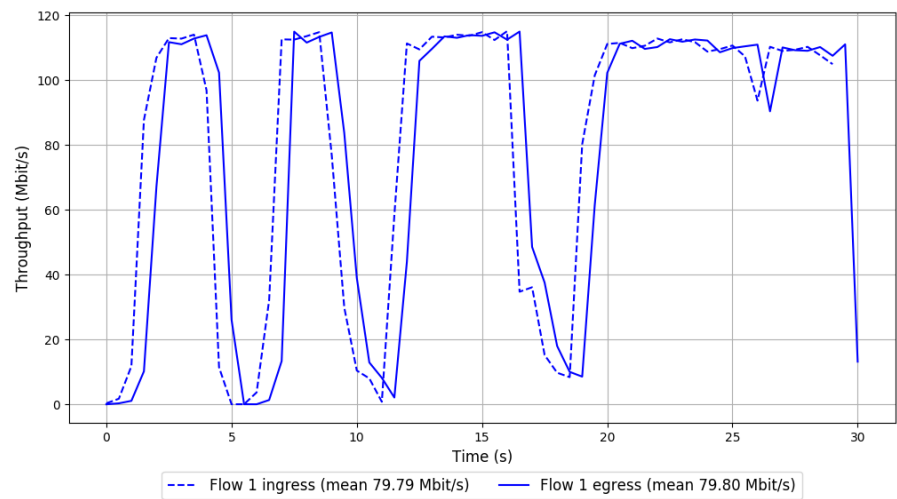
-- Flow 1:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 86.475 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

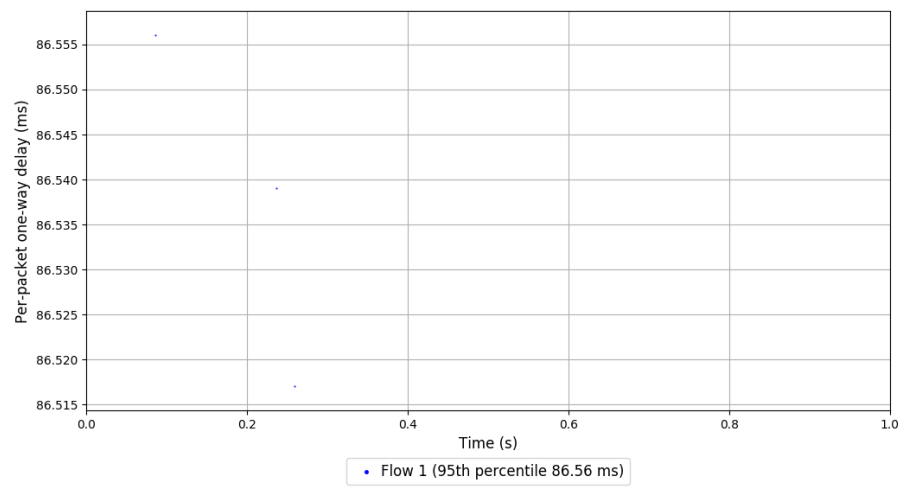
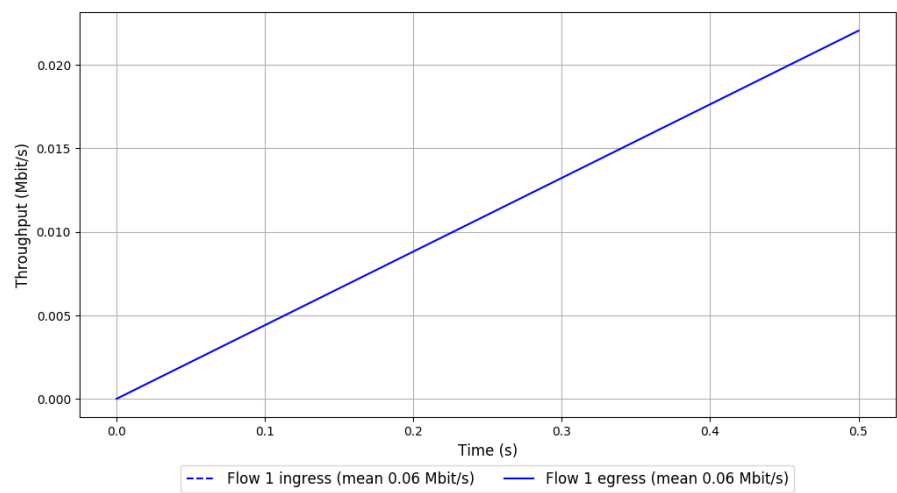
Start at: 2018-08-09 02:47:59

End at: 2018-08-09 02:48:29

Local clock offset: 1.976 ms

Remote clock offset: -1.82 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

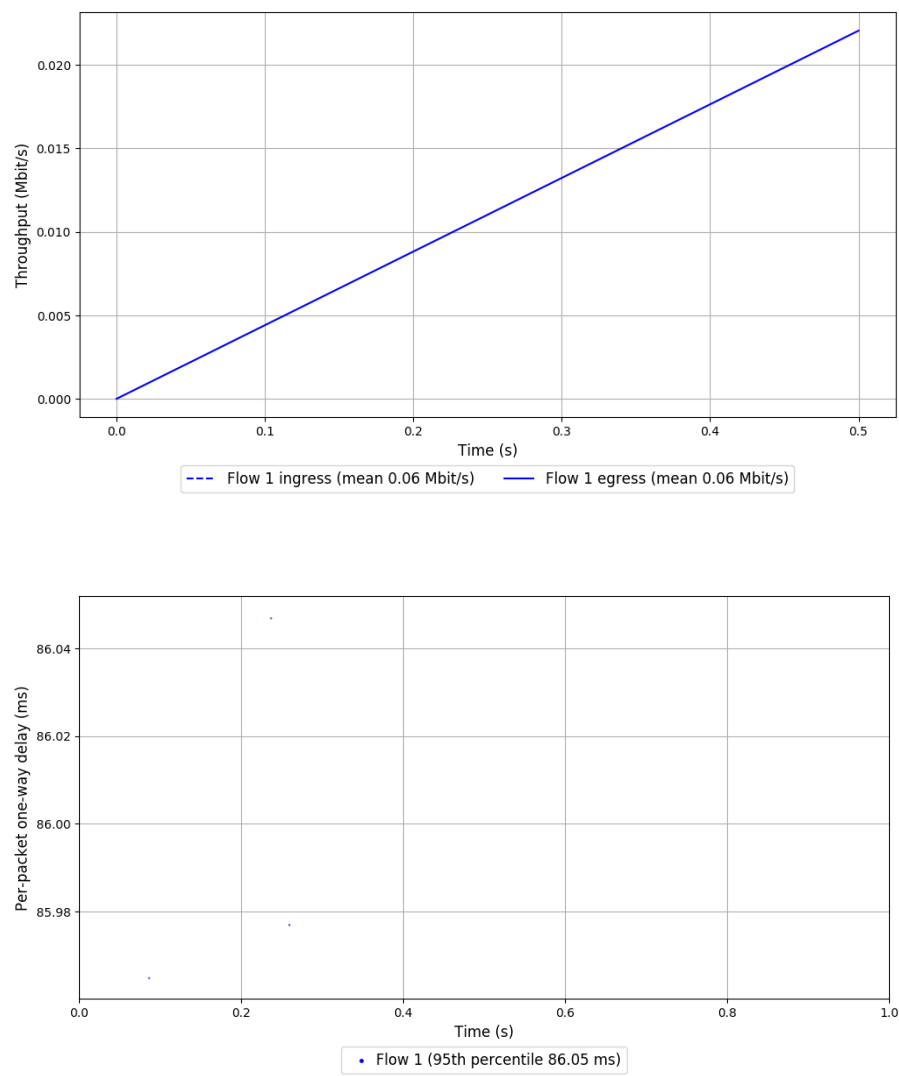
Start at: 2018-08-09 03:11:24

End at: 2018-08-09 03:11:54

Local clock offset: 1.184 ms

Remote clock offset: -0.755 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 03:34:54

End at: 2018-08-09 03:35:24

Local clock offset: 0.18 ms

Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-08-09 05:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 86.279 ms

Loss rate: 0.00%

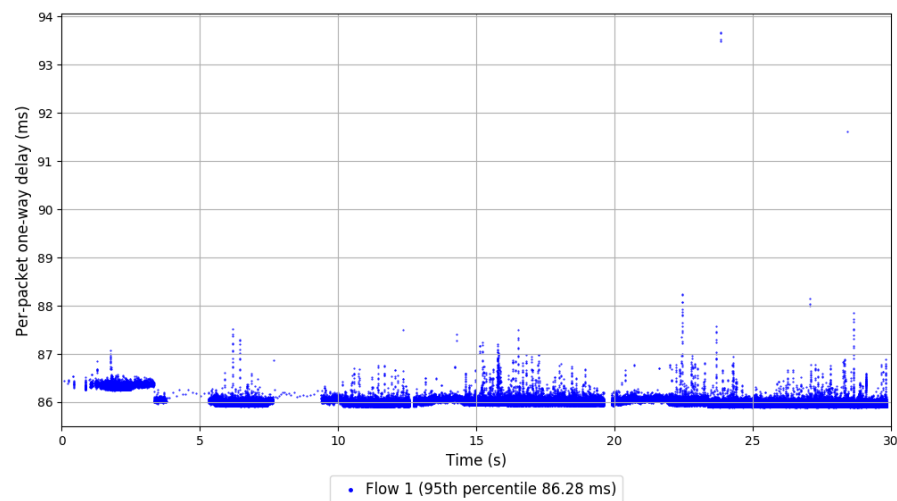
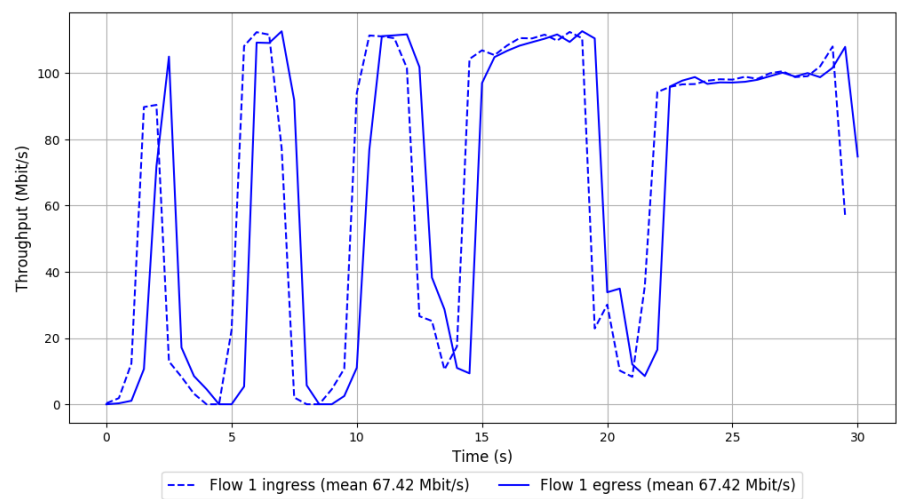
-- Flow 1:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 86.279 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

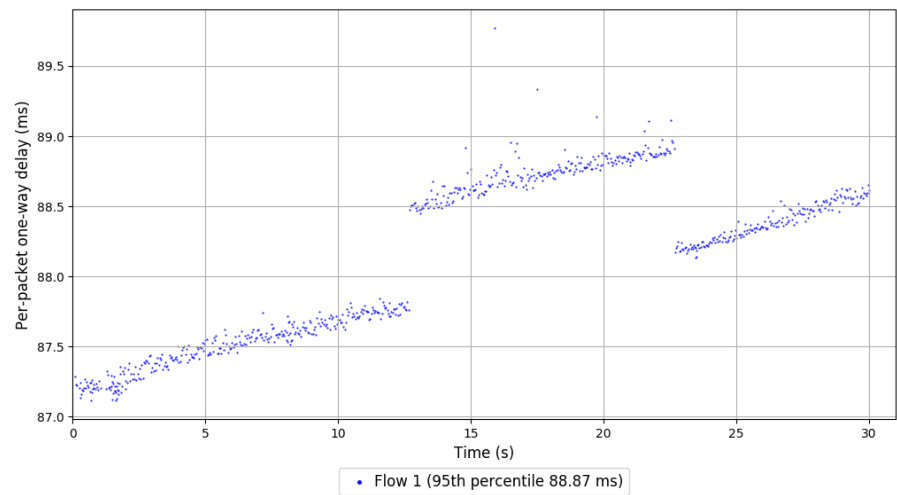
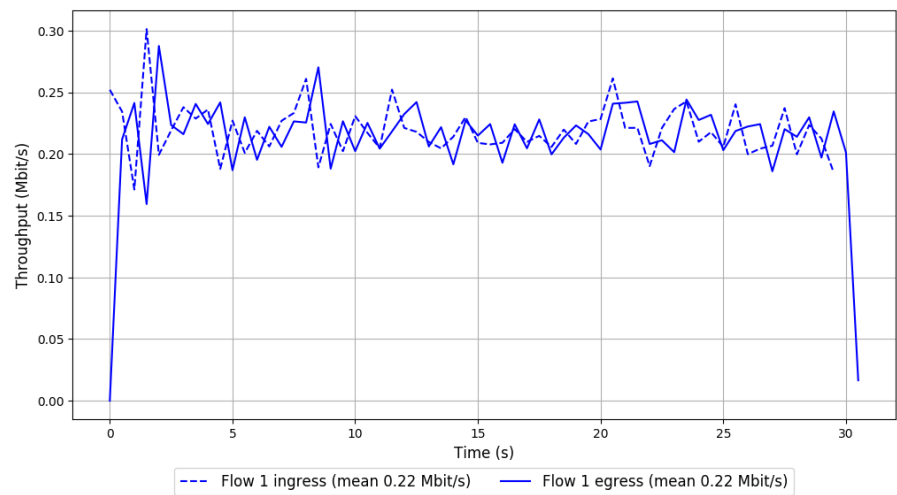


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 00:07:45
End at: 2018-08-09 00:08:15
Local clock offset: 19.977 ms
Remote clock offset: -26.771 ms

# Below is generated by plot.py at 2018-08-09 05:34:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.867 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

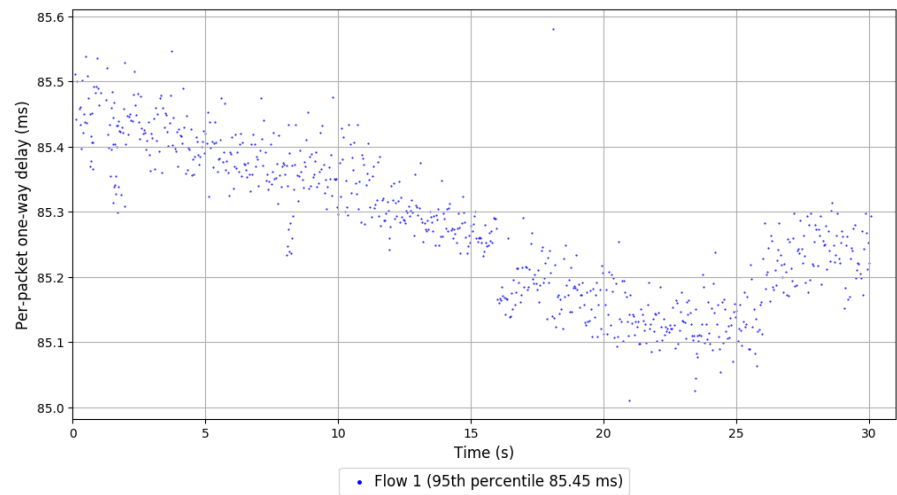
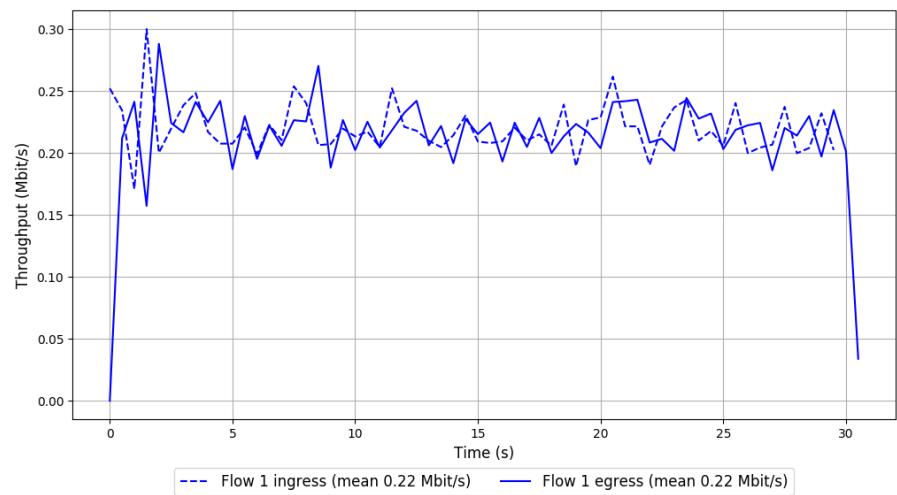


Run 2: Statistics of SCReAM

Start at: 2018-08-09 00:30:51
End at: 2018-08-09 00:31:21
Local clock offset: 32.328 ms
Remote clock offset: -21.21 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.452 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-09 00:54:17

End at: 2018-08-09 00:54:47

Local clock offset: 45.042 ms

Remote clock offset: -23.5 ms

Below is generated by plot.py at 2018-08-09 05:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.505 ms

Loss rate: 0.00%

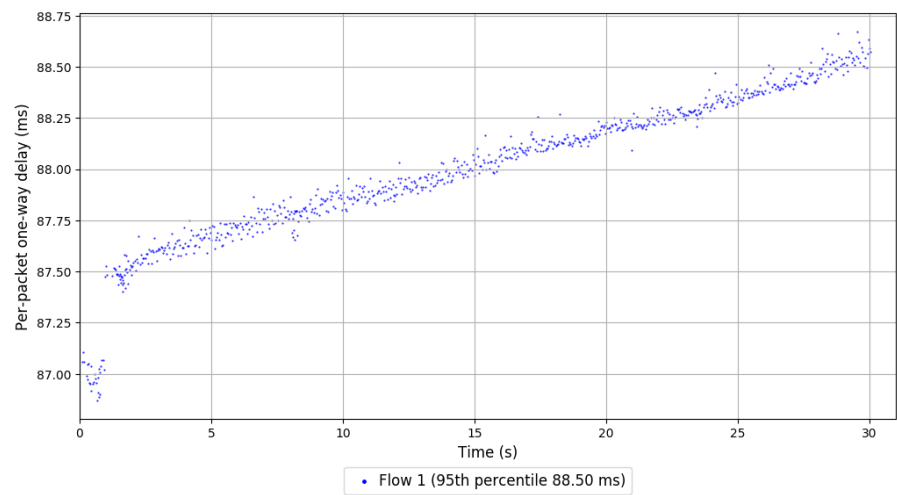
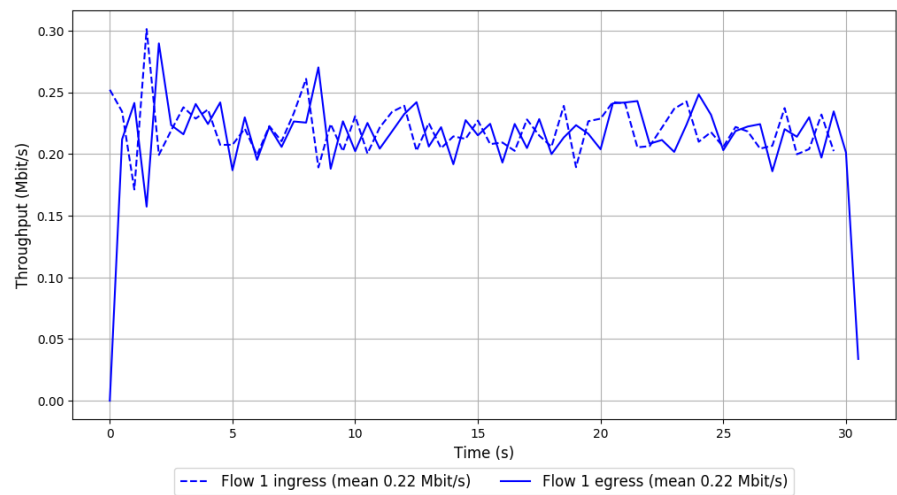
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.505 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

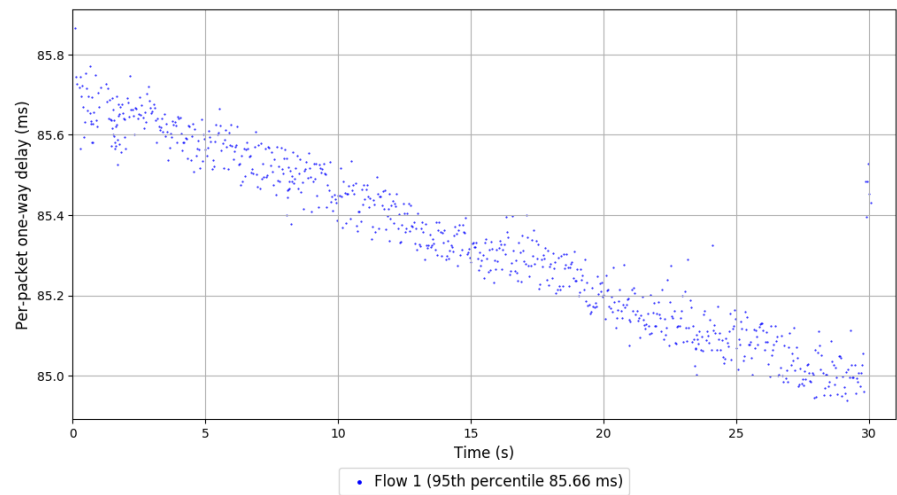
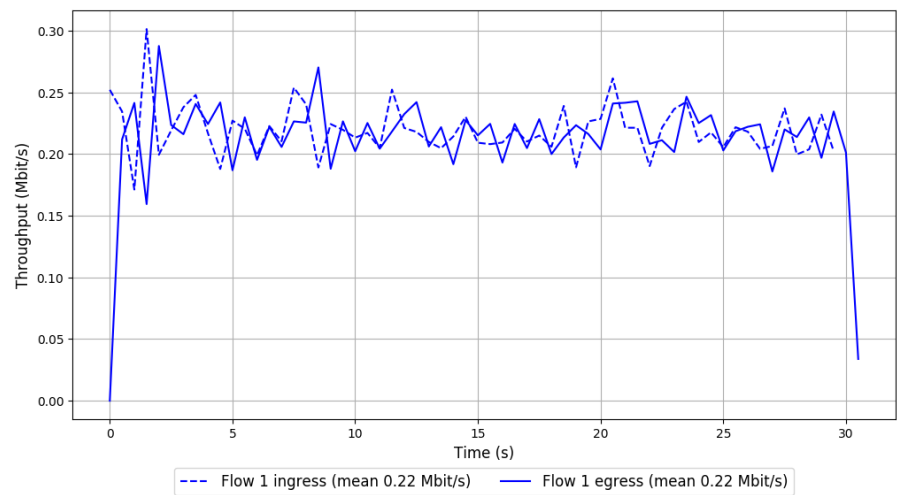


Run 4: Statistics of SCReAM

Start at: 2018-08-09 01:17:38
End at: 2018-08-09 01:18:08
Local clock offset: 21.701 ms
Remote clock offset: -20.78 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.664 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

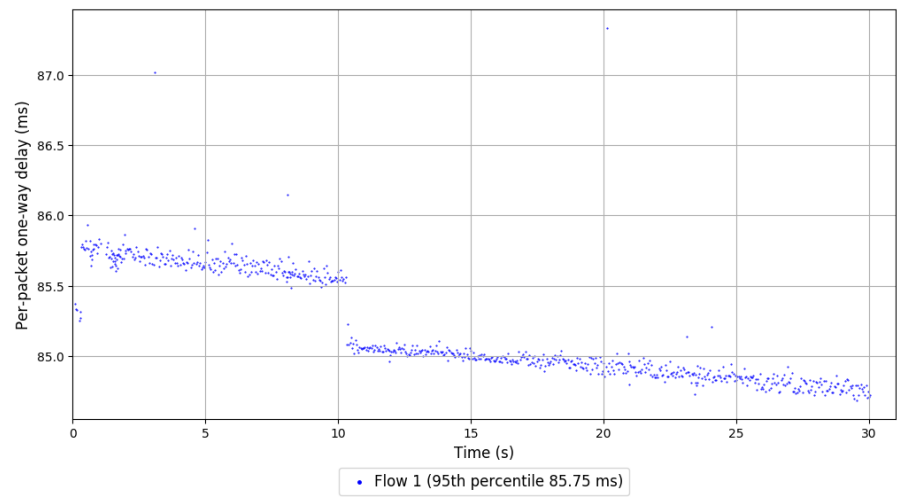
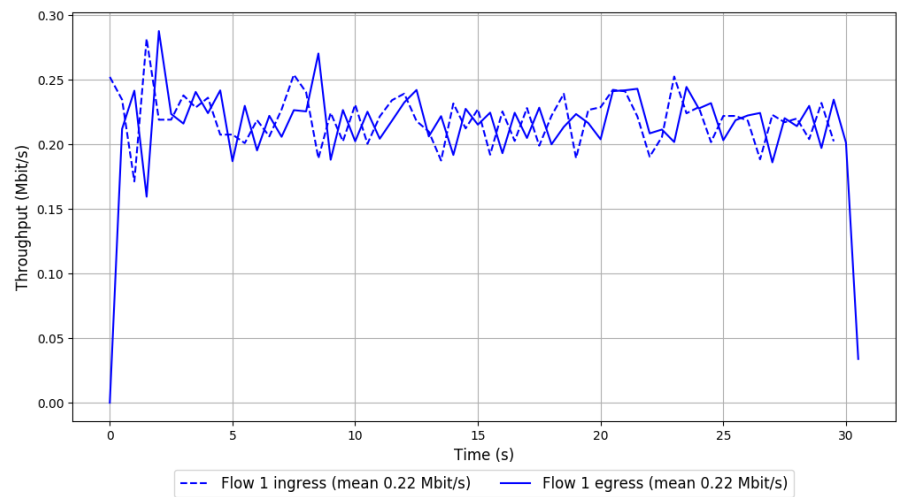


Run 5: Statistics of SCReAM

Start at: 2018-08-09 01:40:46
End at: 2018-08-09 01:41:16
Local clock offset: 17.472 ms
Remote clock offset: -17.961 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.751 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

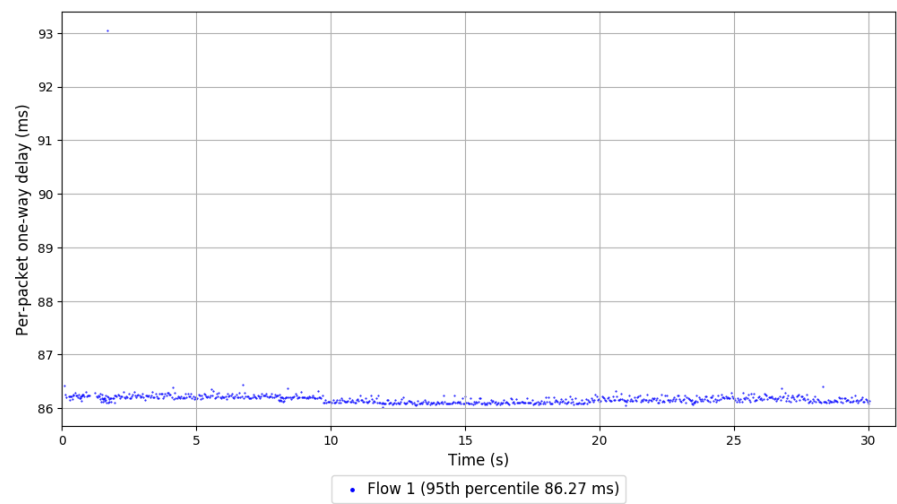
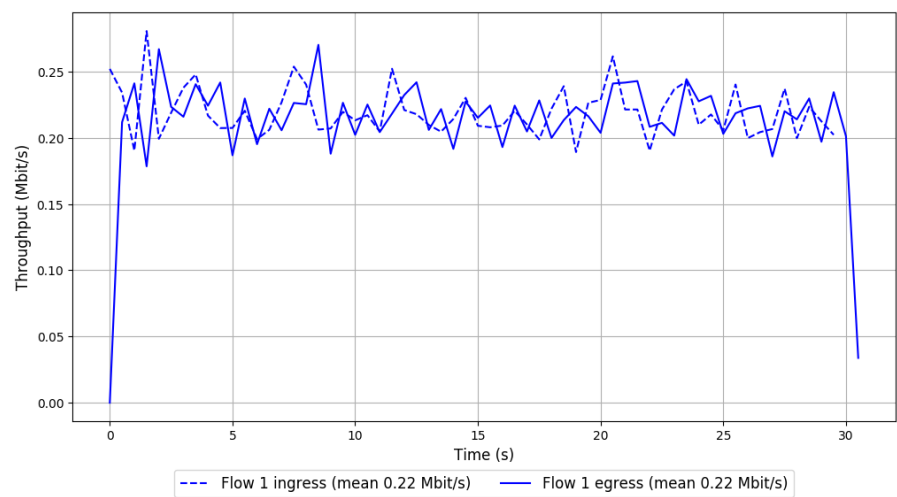


Run 6: Statistics of SCReAM

Start at: 2018-08-09 02:03:57
End at: 2018-08-09 02:04:27
Local clock offset: 6.038 ms
Remote clock offset: -4.448 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.270 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

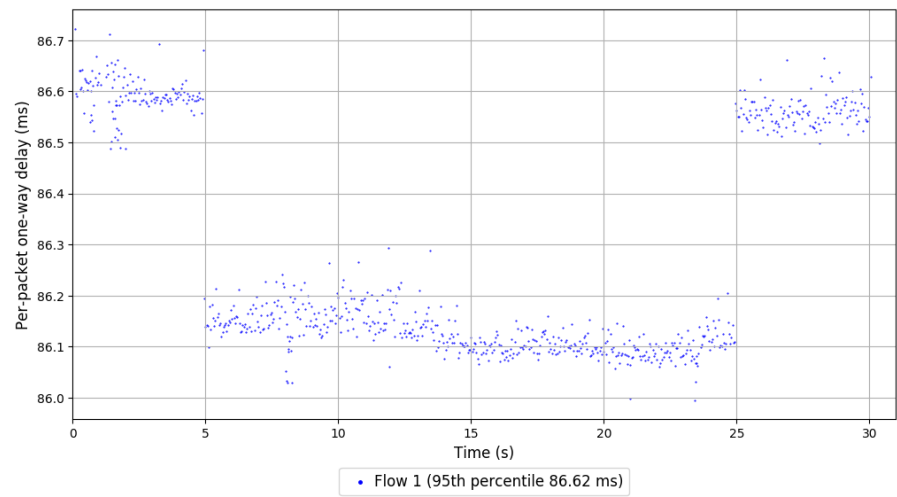
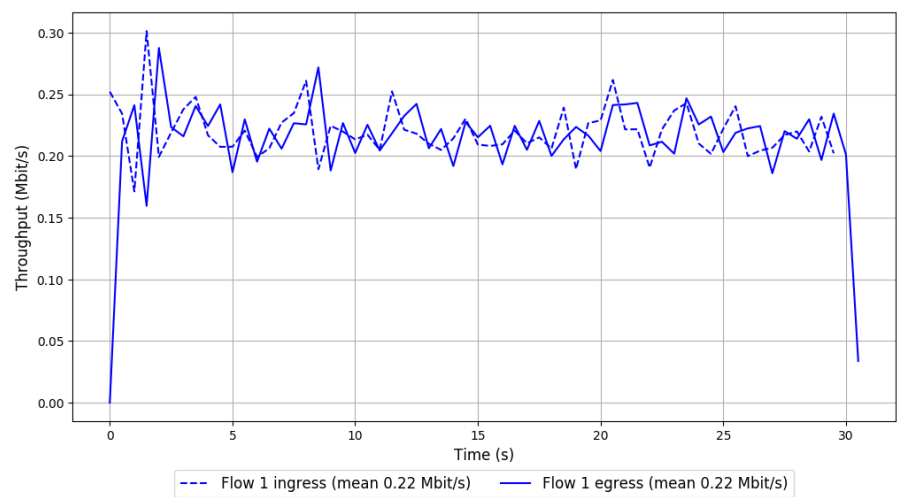


Run 7: Statistics of SCReAM

Start at: 2018-08-09 02:27:23
End at: 2018-08-09 02:27:53
Local clock offset: 2.186 ms
Remote clock offset: -2.198 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.618 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

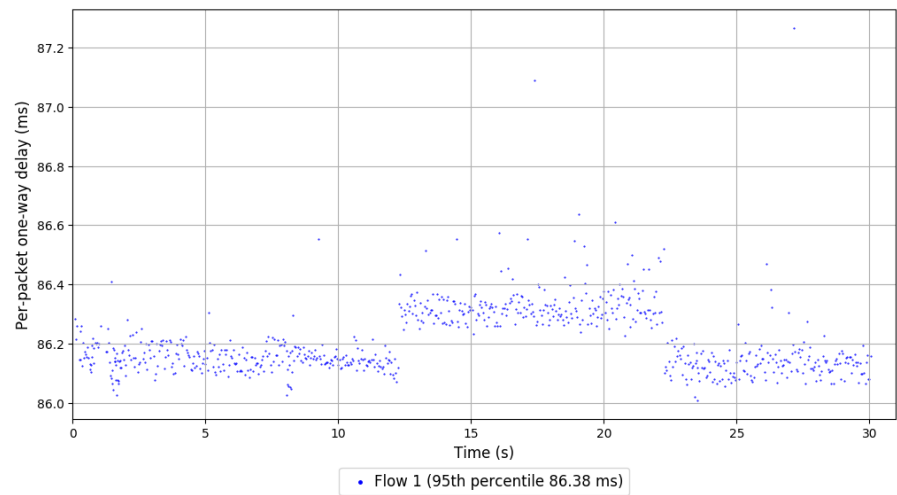
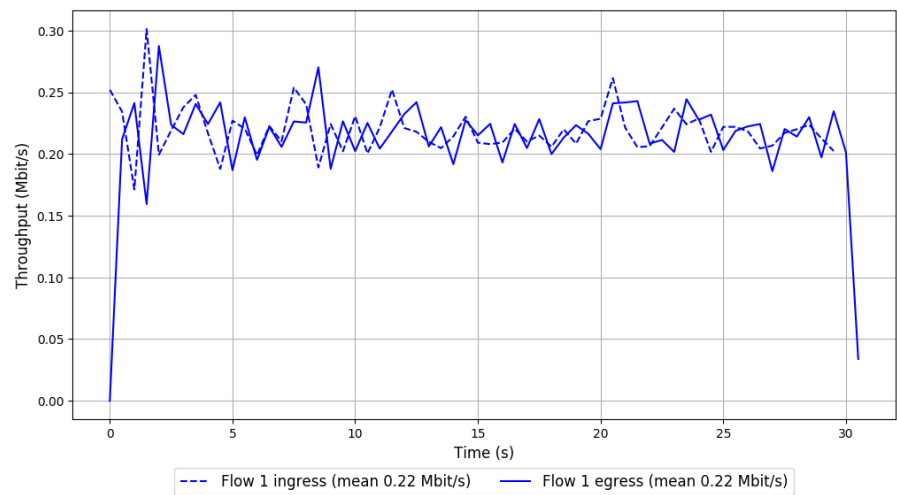


Run 8: Statistics of SCReAM

Start at: 2018-08-09 02:50:35
End at: 2018-08-09 02:51:05
Local clock offset: 1.429 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

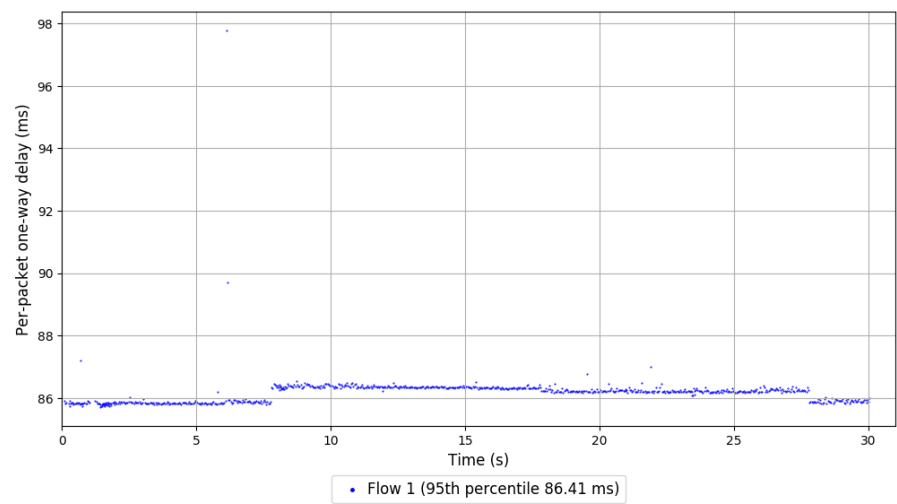
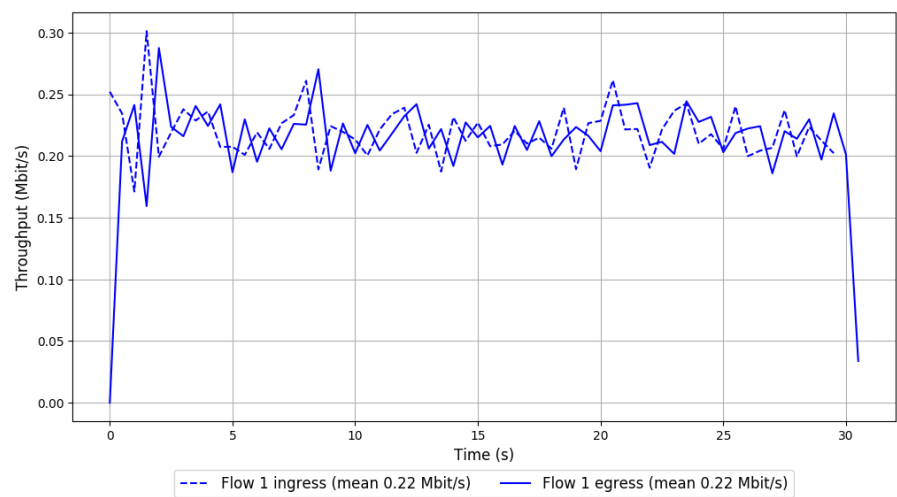


Run 9: Statistics of SCReAM

Start at: 2018-08-09 03:14:10
End at: 2018-08-09 03:14:40
Local clock offset: 1.355 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.413 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 03:37:42

End at: 2018-08-09 03:38:12

Local clock offset: -0.054 ms

Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-08-09 05:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.798 ms

Loss rate: 0.00%

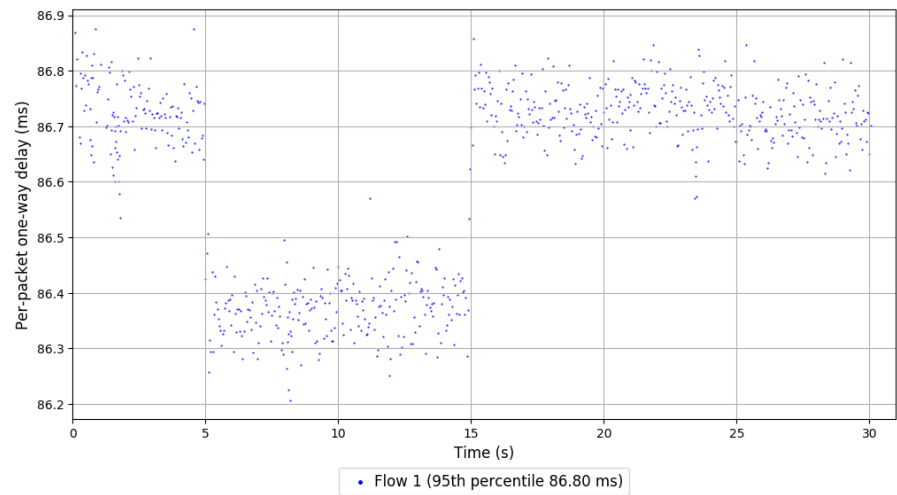
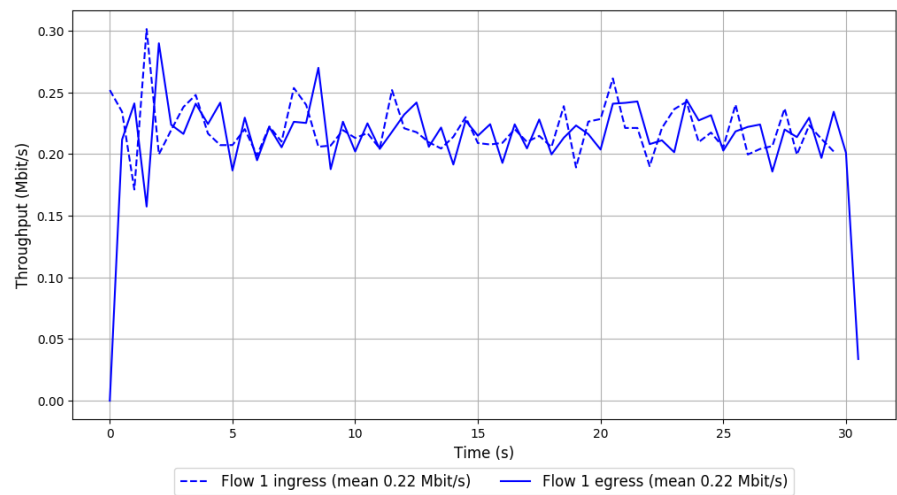
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.798 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

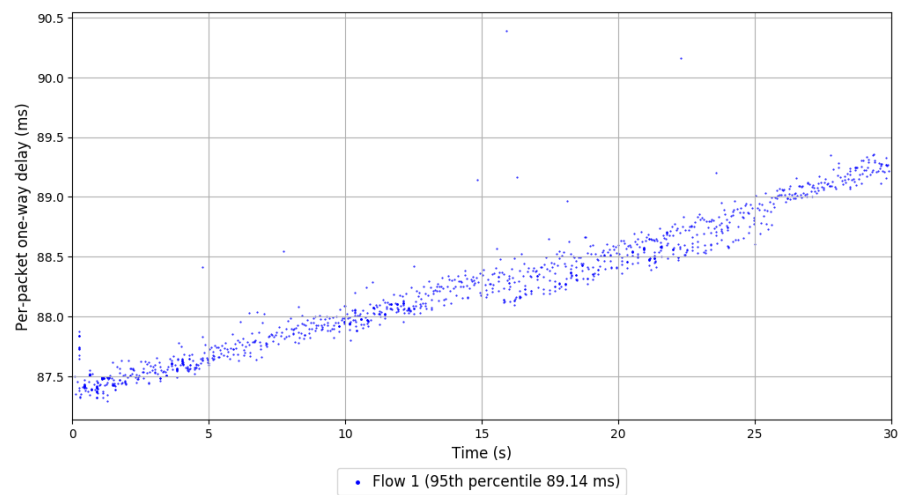
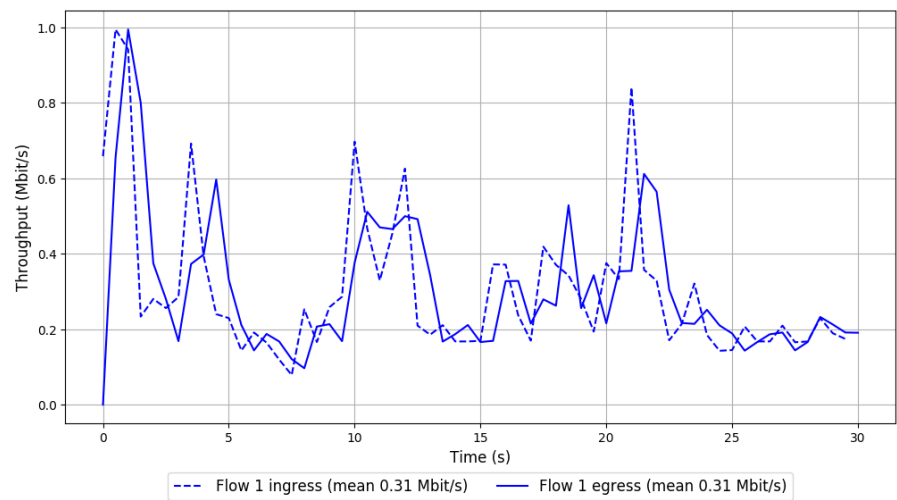


Run 1: Statistics of Sprout

Start at: 2018-08-09 00:08:52
End at: 2018-08-09 00:09:22
Local clock offset: 22.038 ms
Remote clock offset: -27.976 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 89.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 89.144 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

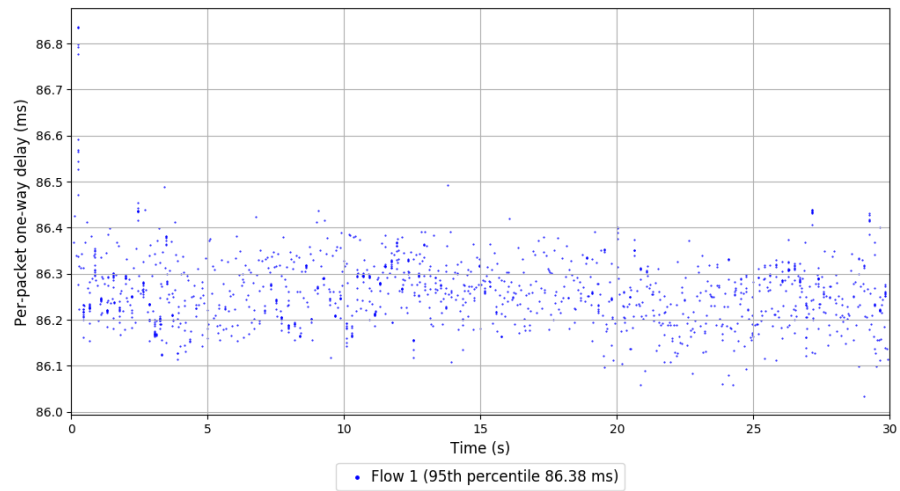
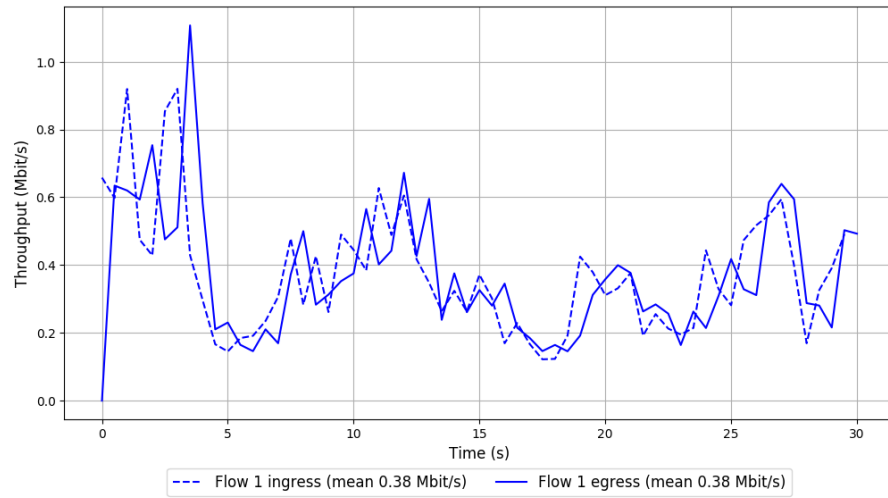


Run 2: Statistics of Sprout

Start at: 2018-08-09 00:31:57
End at: 2018-08-09 00:32:27
Local clock offset: 30.275 ms
Remote clock offset: -22.018 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

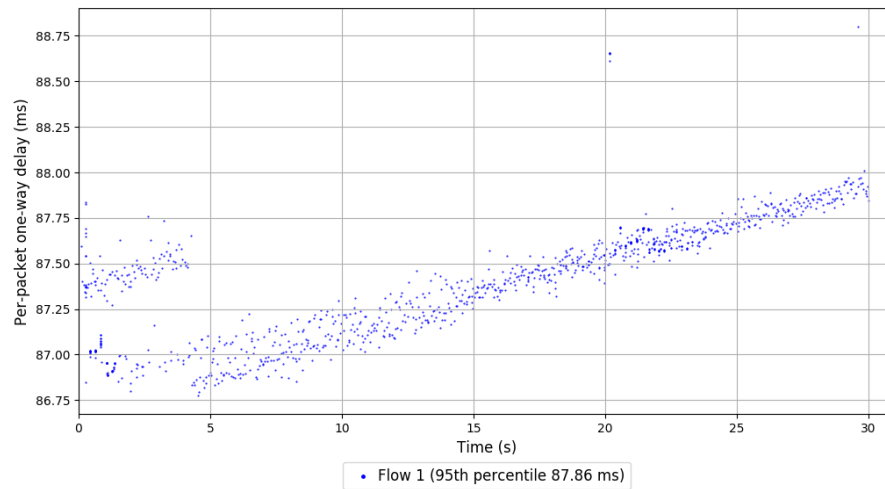
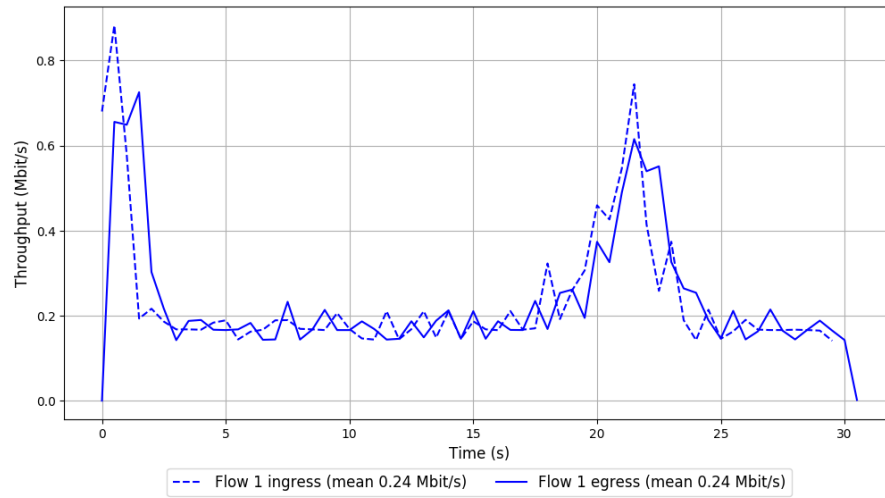


Run 3: Statistics of Sprout

Start at: 2018-08-09 00:55:23
End at: 2018-08-09 00:55:53
Local clock offset: 46.911 ms
Remote clock offset: -24.386 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 87.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 87.856 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

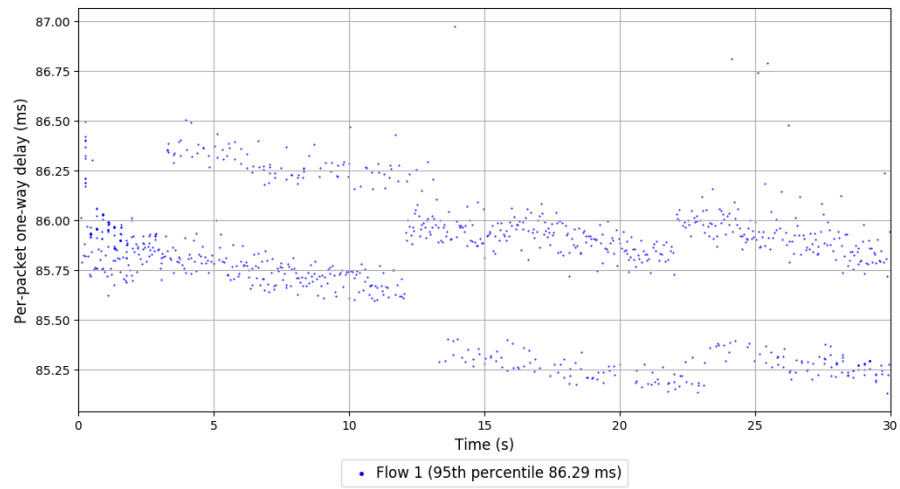
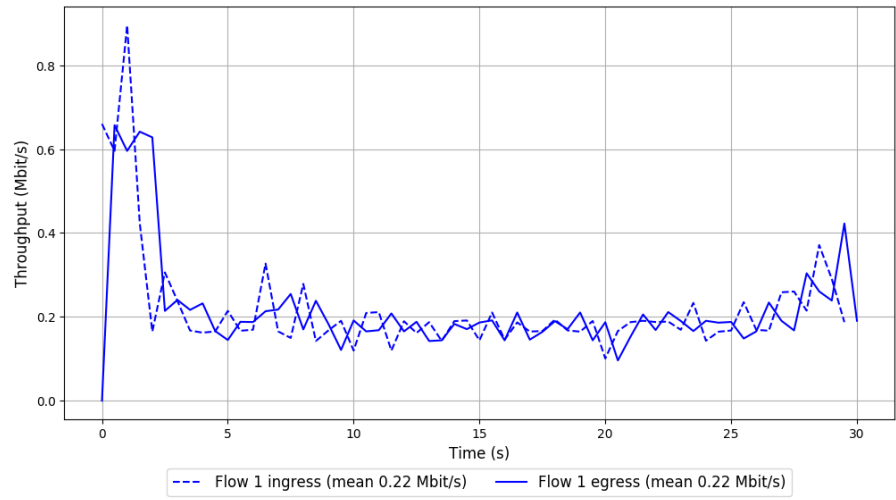


Run 4: Statistics of Sprout

Start at: 2018-08-09 01:18:45
End at: 2018-08-09 01:19:15
Local clock offset: 21.569 ms
Remote clock offset: -19.353 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.293 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

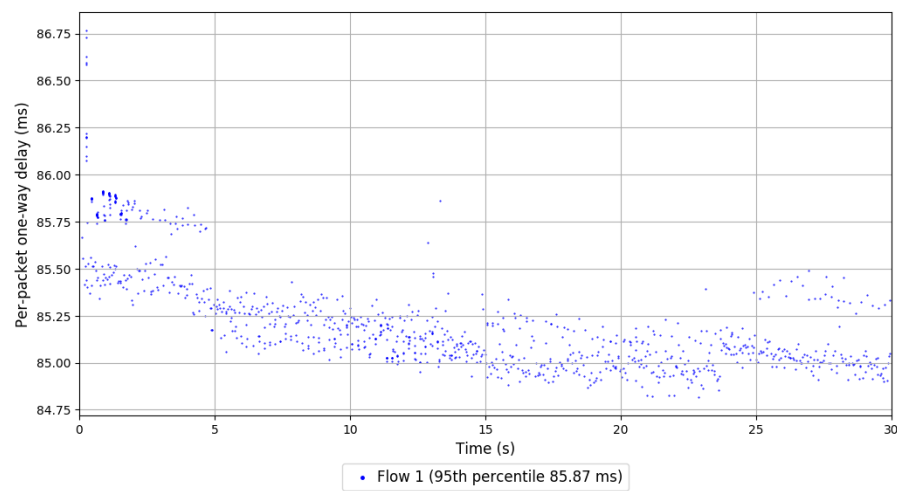
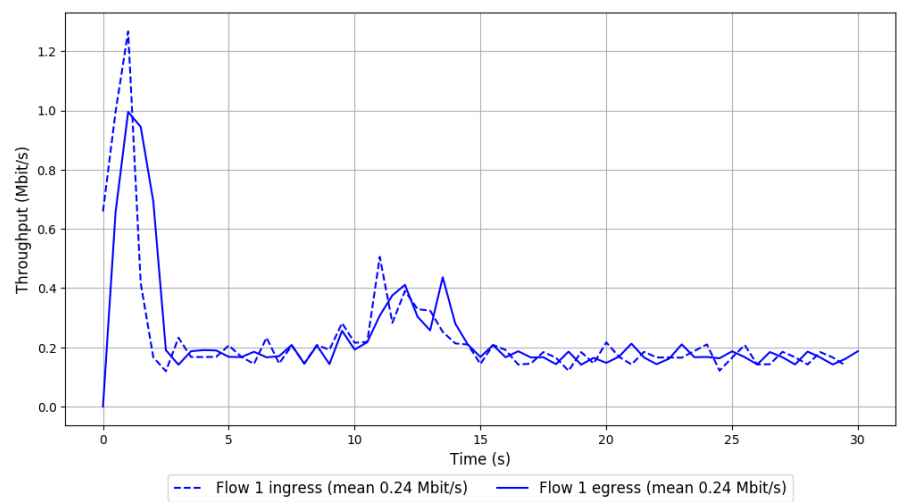


Run 5: Statistics of Sprout

Start at: 2018-08-09 01:41:53
End at: 2018-08-09 01:42:23
Local clock offset: 15.74 ms
Remote clock offset: -18.528 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 85.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 85.874 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

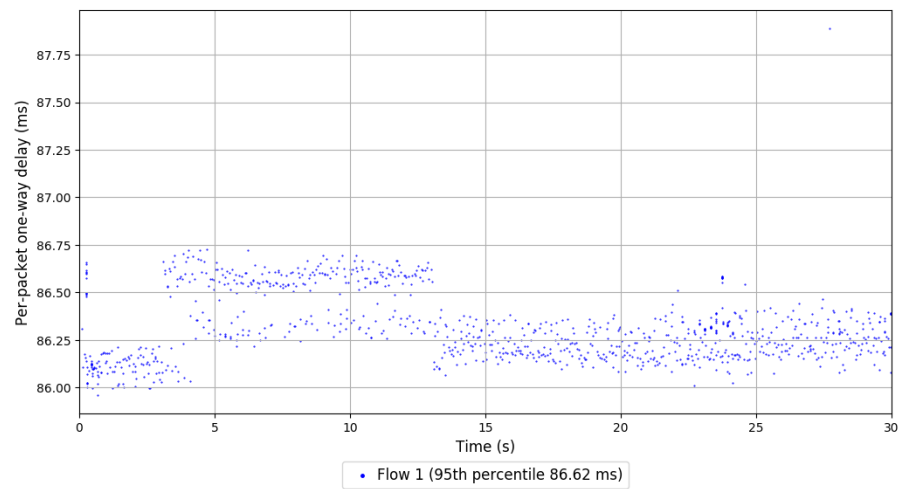
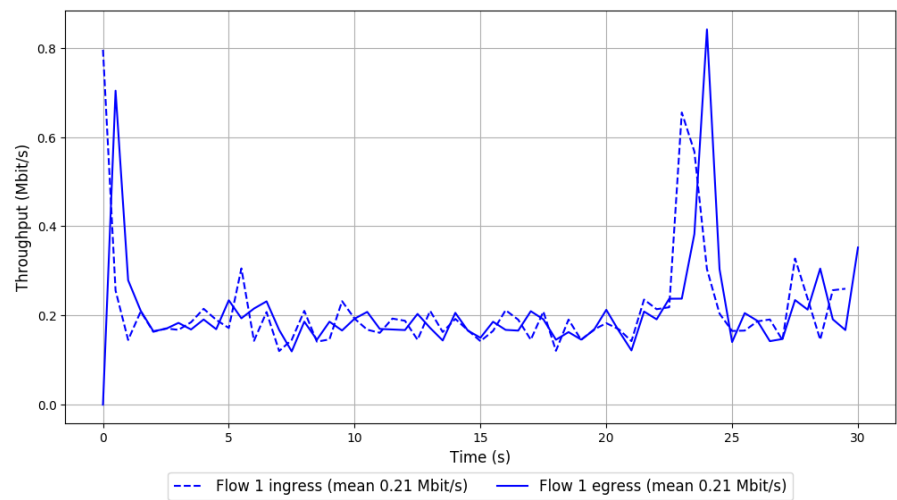


Run 6: Statistics of Sprout

Start at: 2018-08-09 02:05:04
End at: 2018-08-09 02:05:34
Local clock offset: 6.073 ms
Remote clock offset: -4.303 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

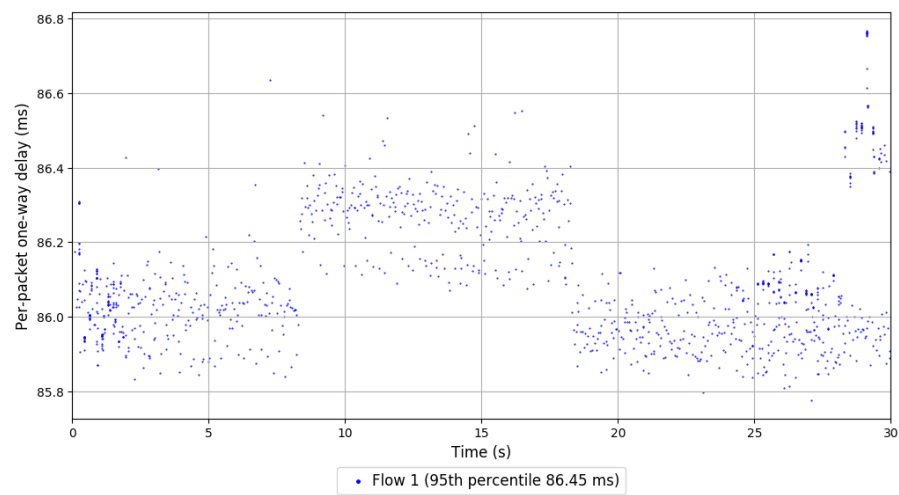
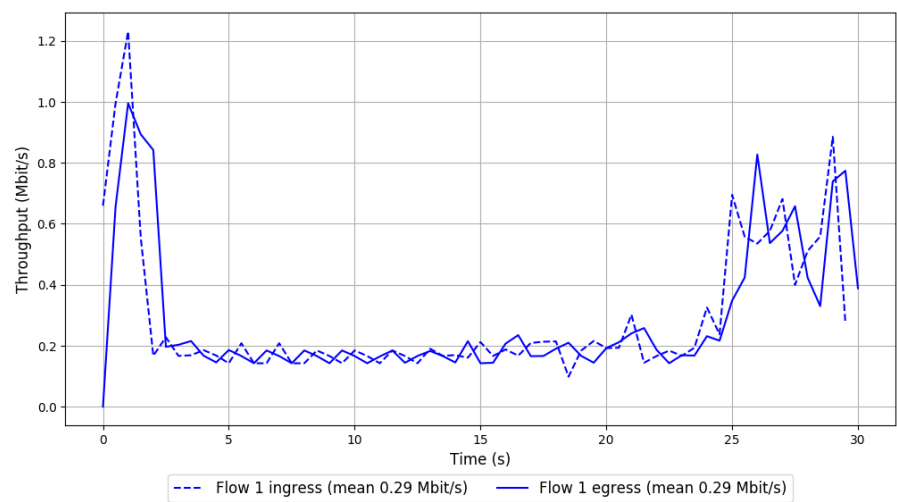


Run 7: Statistics of Sprout

Start at: 2018-08-09 02:28:30
End at: 2018-08-09 02:29:00
Local clock offset: 2.34 ms
Remote clock offset: -2.046 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.448 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 02:51:41

End at: 2018-08-09 02:52:11

Local clock offset: 1.231 ms

Remote clock offset: -2.01 ms

Below is generated by plot.py at 2018-08-09 05:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.776 ms

Loss rate: 0.00%

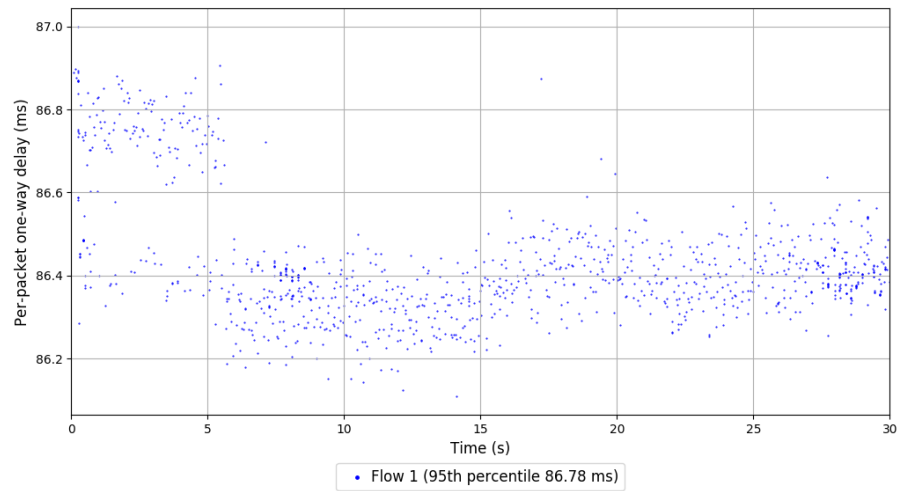
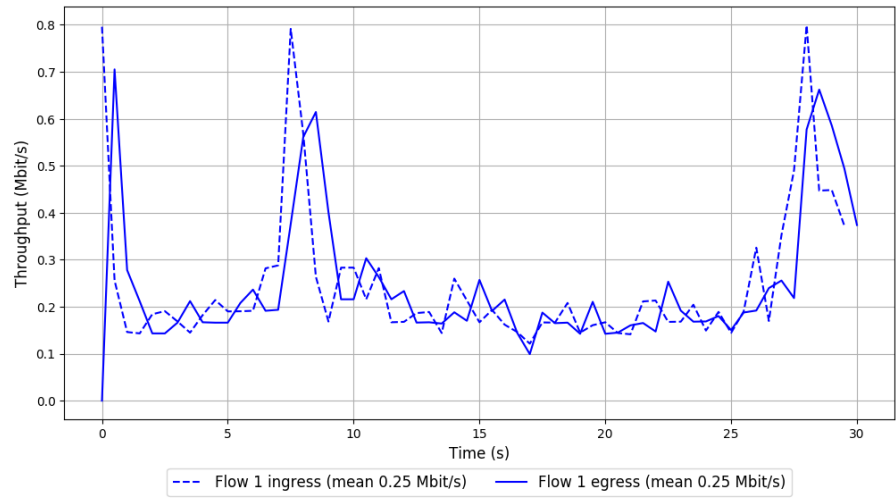
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.776 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

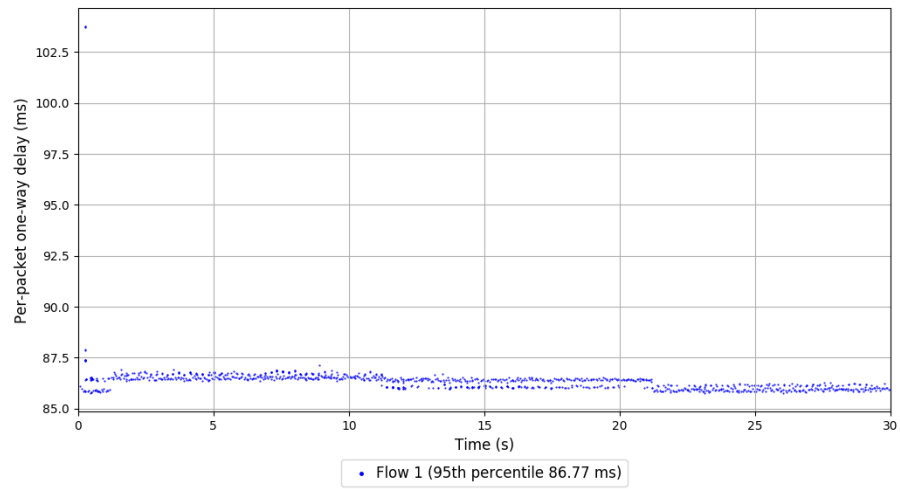
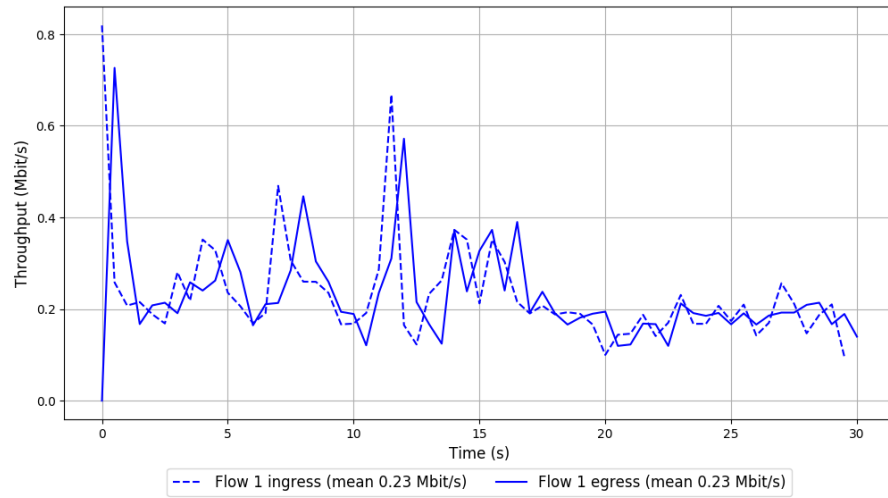


Run 9: Statistics of Sprout

Start at: 2018-08-09 03:15:17
End at: 2018-08-09 03:15:47
Local clock offset: 1.319 ms
Remote clock offset: -0.815 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.768 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

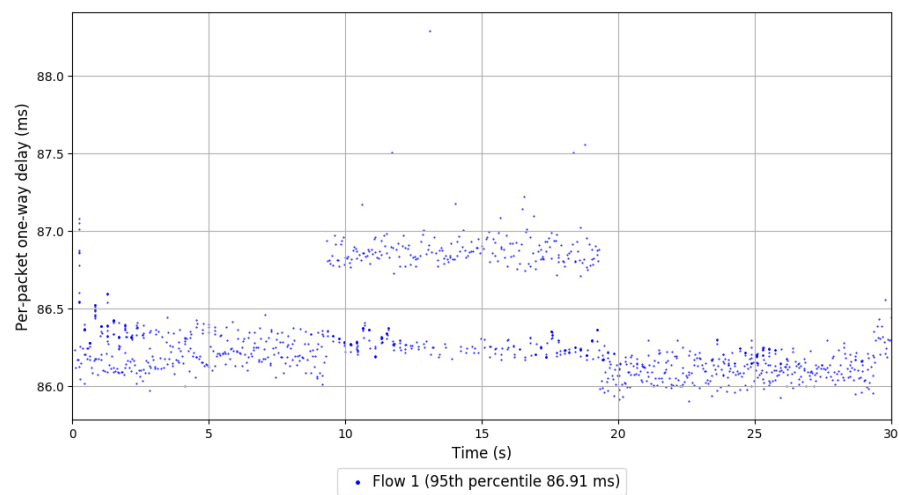
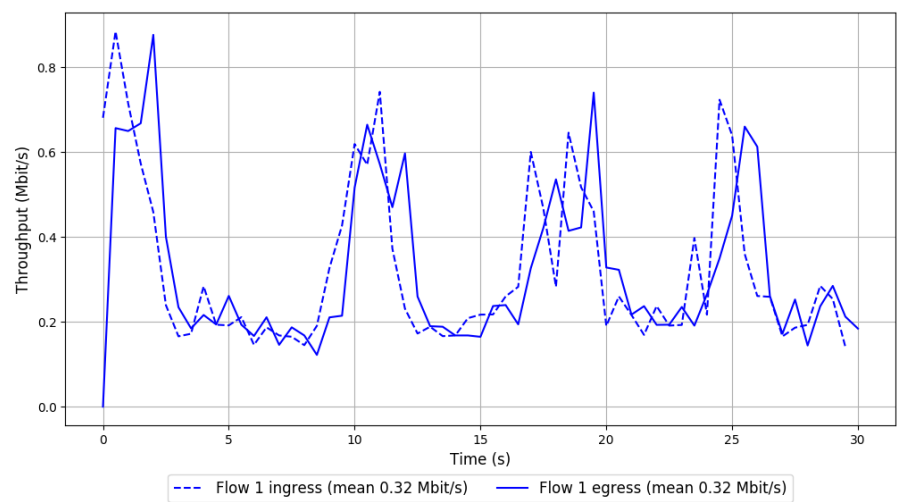


Run 10: Statistics of Sprout

Start at: 2018-08-09 03:38:49
End at: 2018-08-09 03:39:19
Local clock offset: -0.04 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2018-08-09 05:34:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.908 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

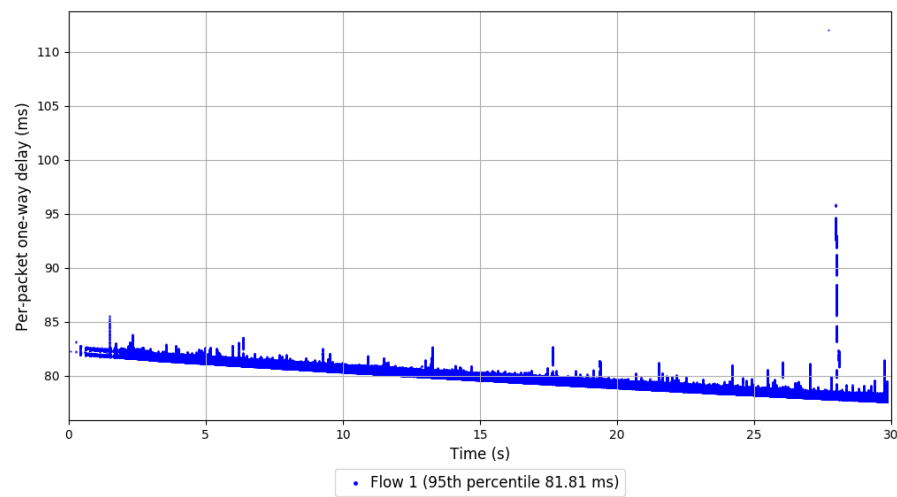
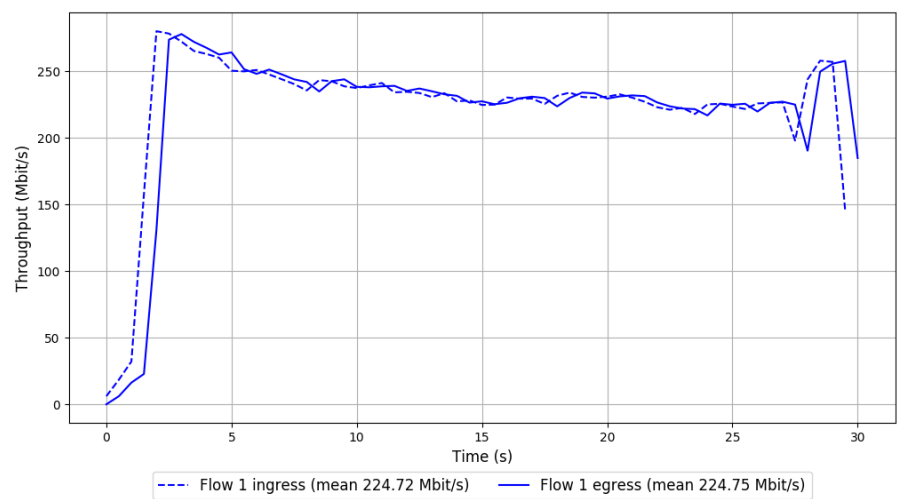


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 00:03:35
End at: 2018-08-09 00:04:05
Local clock offset: 31.183 ms
Remote clock offset: -29.934 ms

# Below is generated by plot.py at 2018-08-09 05:37:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.75 Mbit/s
95th percentile per-packet one-way delay: 81.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.75 Mbit/s
95th percentile per-packet one-way delay: 81.806 ms
Loss rate: 0.00%
```


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

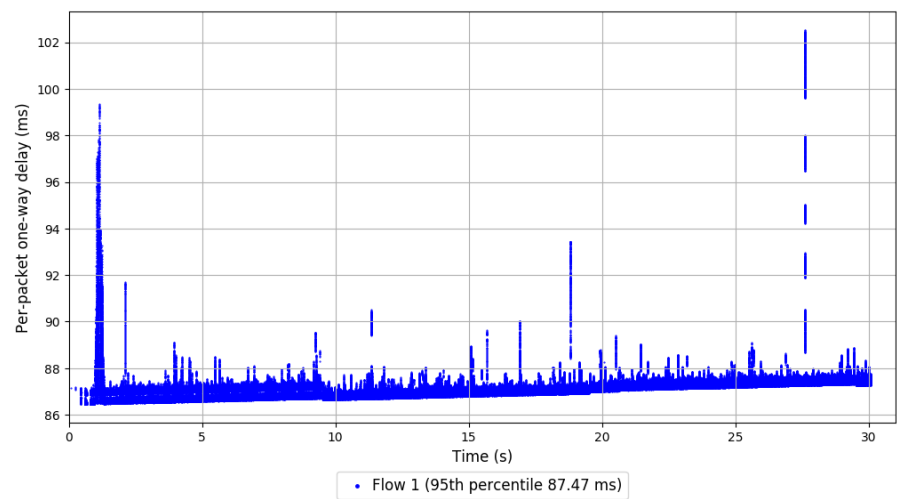
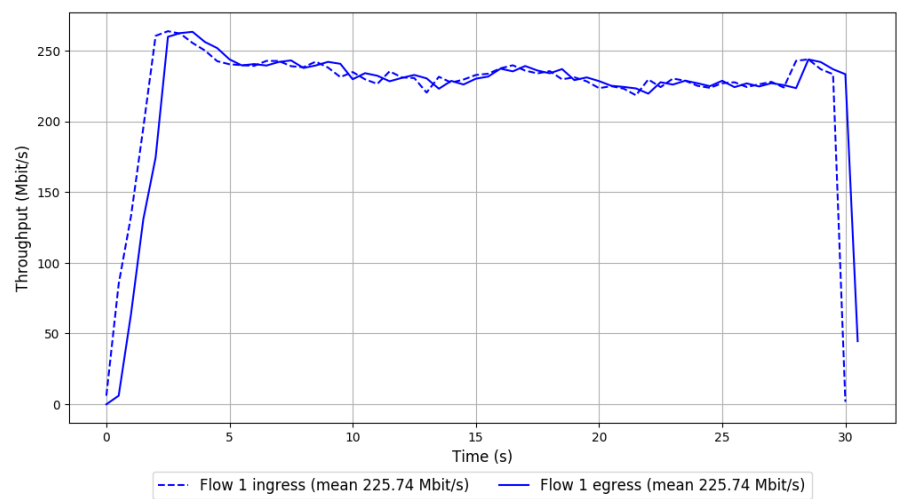


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 00:26:47
End at: 2018-08-09 00:27:17
Local clock offset: 36.985 ms
Remote clock offset: -20.465 ms

Below is generated by plot.py at 2018-08-09 05:38:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 87.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 87.466 ms
Loss rate: 0.00%

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

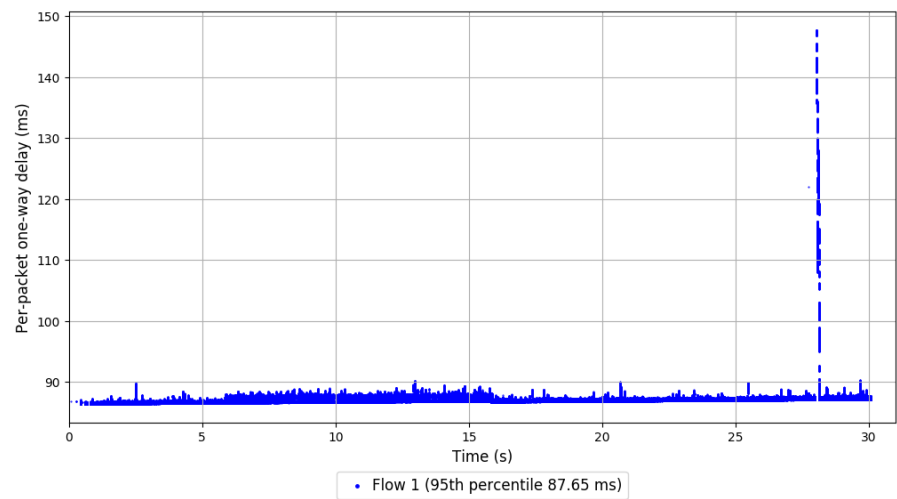
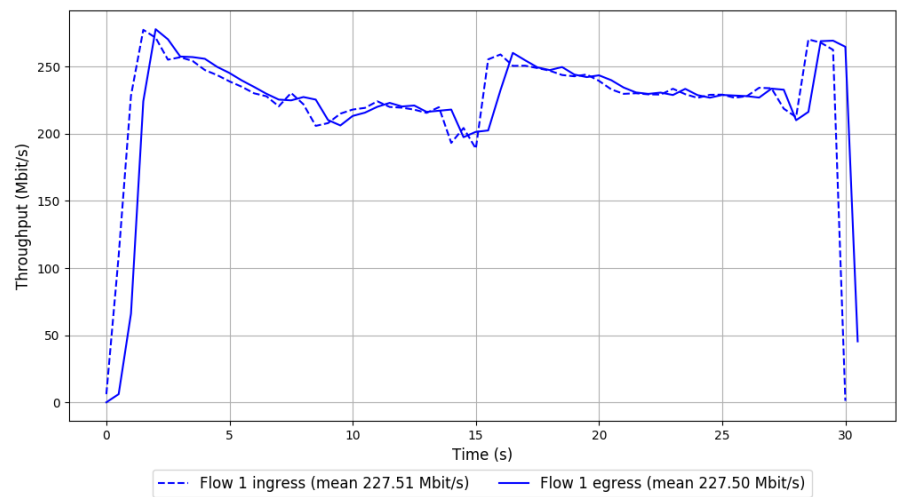


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 00:50:12
End at: 2018-08-09 00:50:42
Local clock offset: 39.653 ms
Remote clock offset: -20.929 ms

Below is generated by plot.py at 2018-08-09 05:39:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.50 Mbit/s
95th percentile per-packet one-way delay: 87.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.50 Mbit/s
95th percentile per-packet one-way delay: 87.646 ms
Loss rate: 0.00%

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

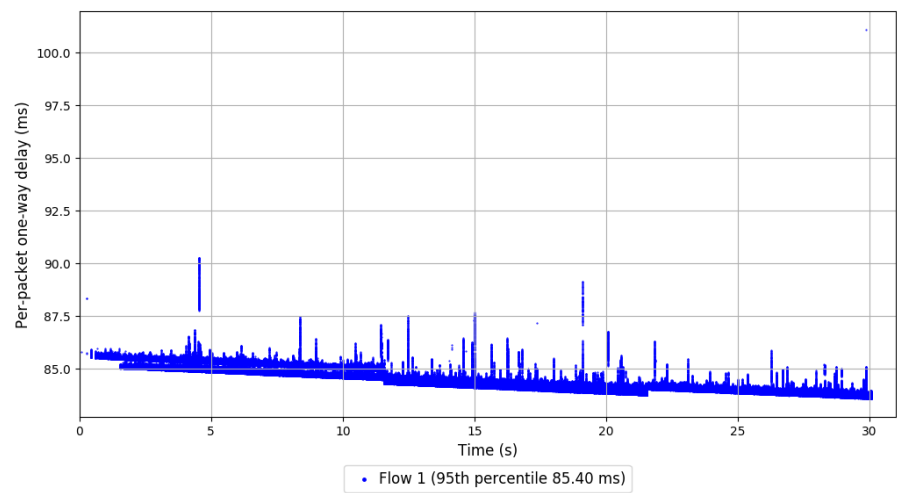
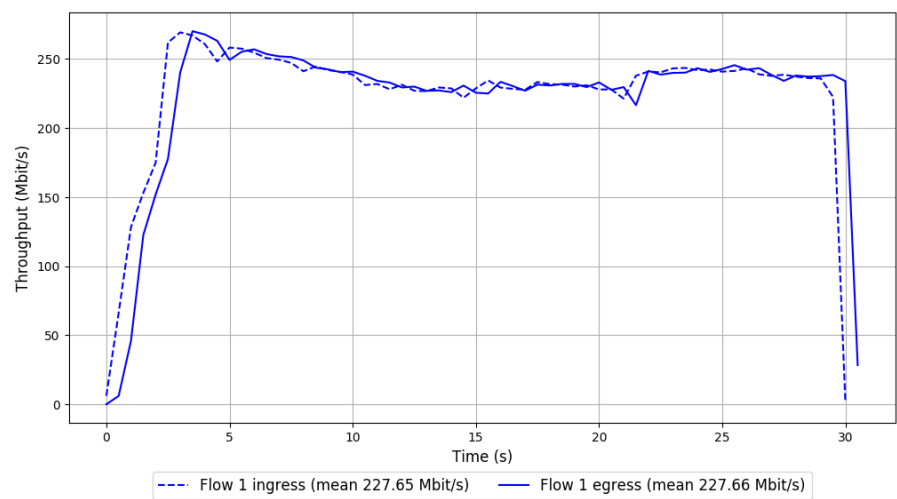


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 01:13:26
End at: 2018-08-09 01:13:56
Local clock offset: 24.053 ms
Remote clock offset: -28.932 ms

Below is generated by plot.py at 2018-08-09 05:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 85.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 85.400 ms
Loss rate: 0.00%

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

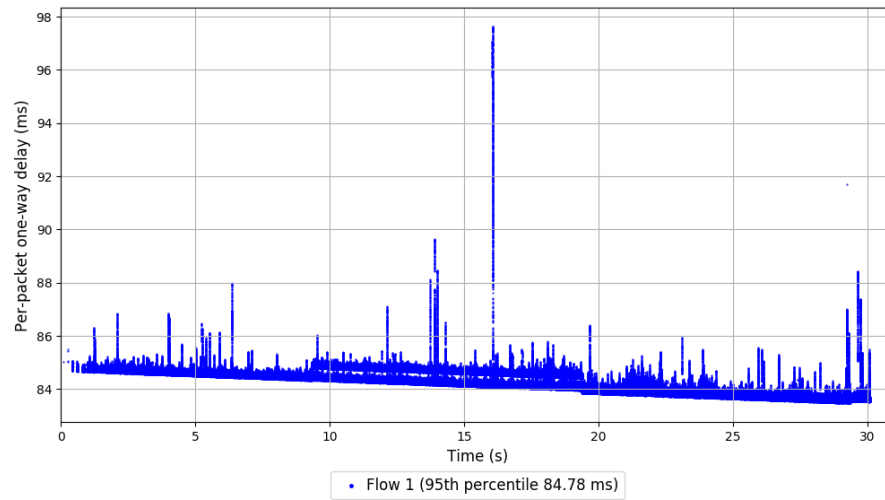
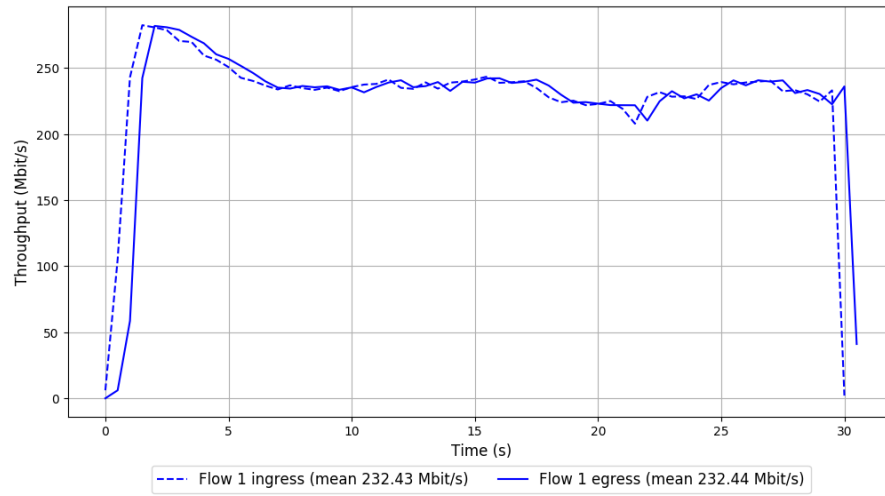


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 01:36:49
End at: 2018-08-09 01:37:19
Local clock offset: 26.527 ms
Remote clock offset: -16.48 ms

Below is generated by plot.py at 2018-08-09 05:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.44 Mbit/s
95th percentile per-packet one-way delay: 84.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 232.44 Mbit/s
95th percentile per-packet one-way delay: 84.779 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 01:59:50

End at: 2018-08-09 02:00:20

Local clock offset: 5.828 ms

Remote clock offset: -5.202 ms

Below is generated by plot.py at 2018-08-09 05:40:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.54 Mbit/s

95th percentile per-packet one-way delay: 86.486 ms

Loss rate: 0.00%

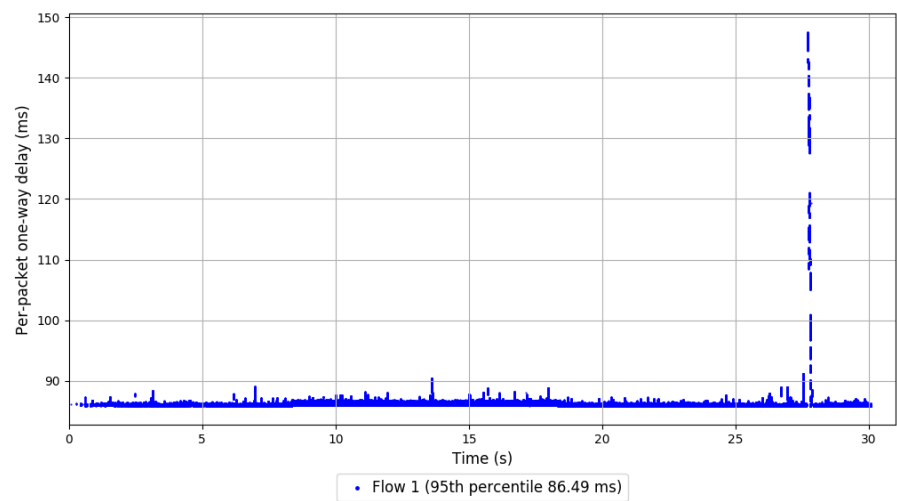
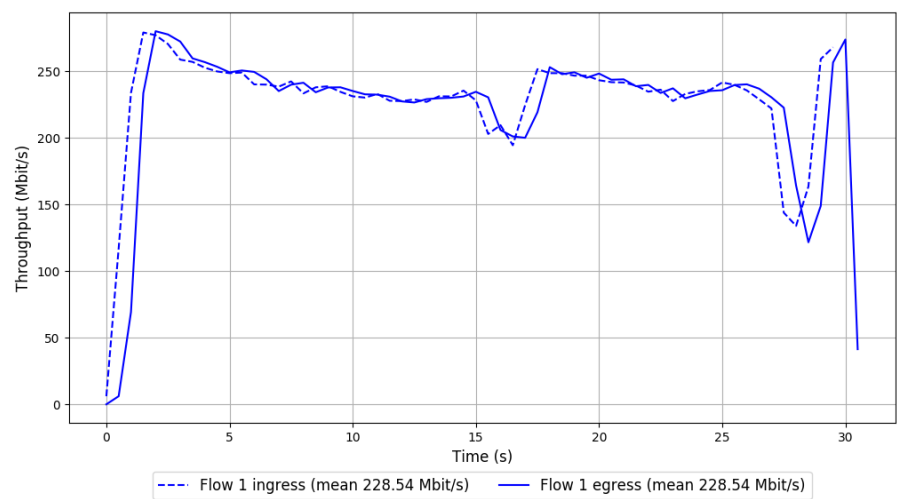
-- Flow 1:

Average throughput: 228.54 Mbit/s

95th percentile per-packet one-way delay: 86.486 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 02:23:13

End at: 2018-08-09 02:23:43

Local clock offset: 2.461 ms

Remote clock offset: -2.947 ms

Below is generated by plot.py at 2018-08-09 05:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.08 Mbit/s

95th percentile per-packet one-way delay: 86.358 ms

Loss rate: 0.00%

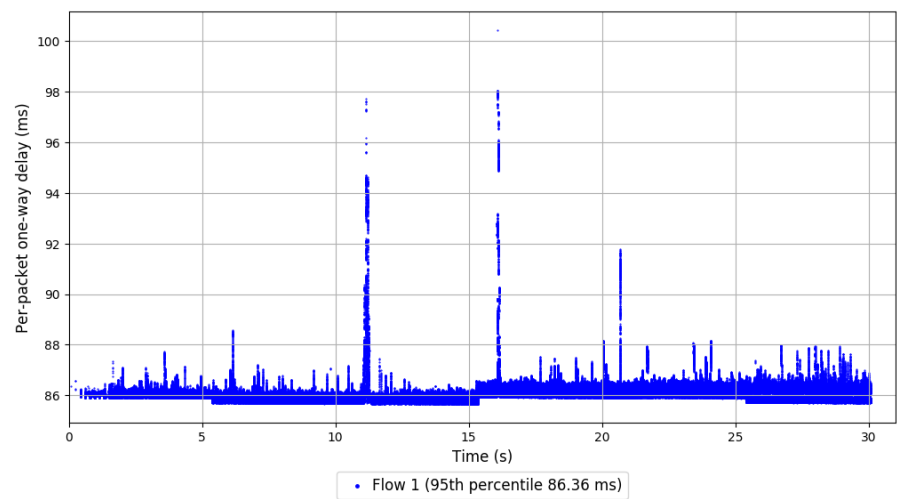
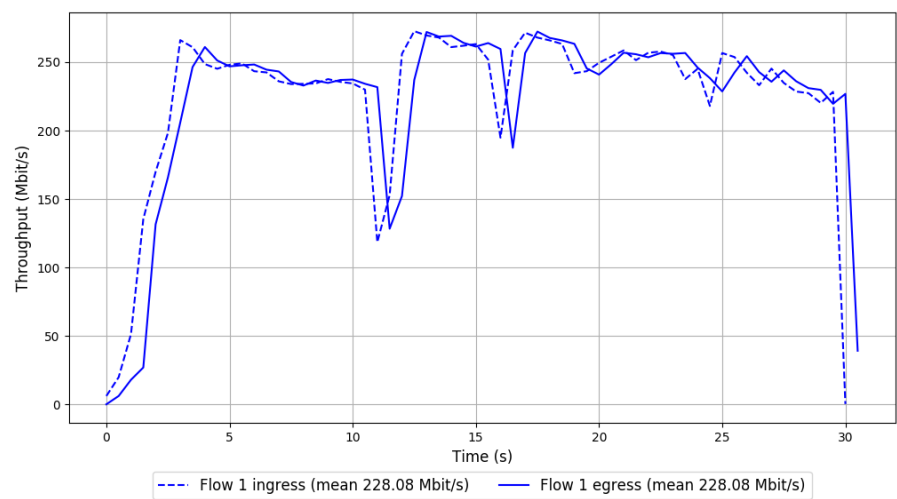
-- Flow 1:

Average throughput: 228.08 Mbit/s

95th percentile per-packet one-way delay: 86.358 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 02:46:32

End at: 2018-08-09 02:47:02

Local clock offset: 2.319 ms

Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-08-09 05:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.93 Mbit/s

95th percentile per-packet one-way delay: 86.320 ms

Loss rate: 0.00%

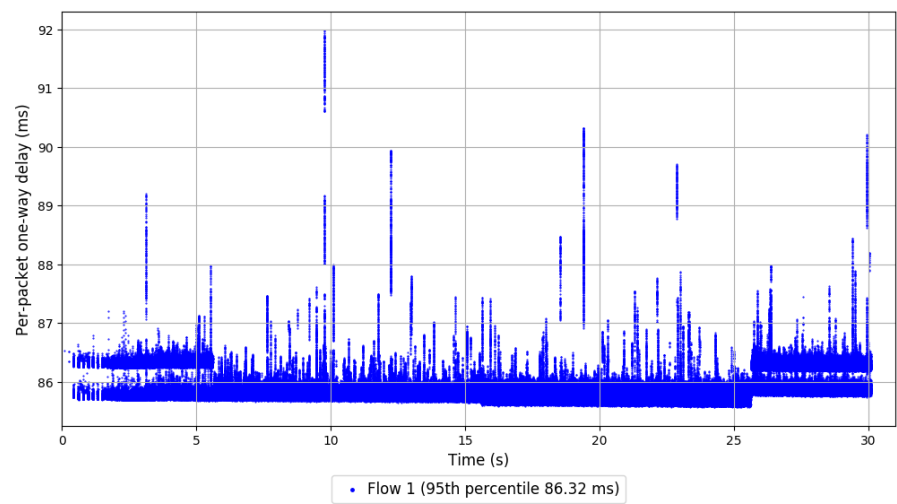
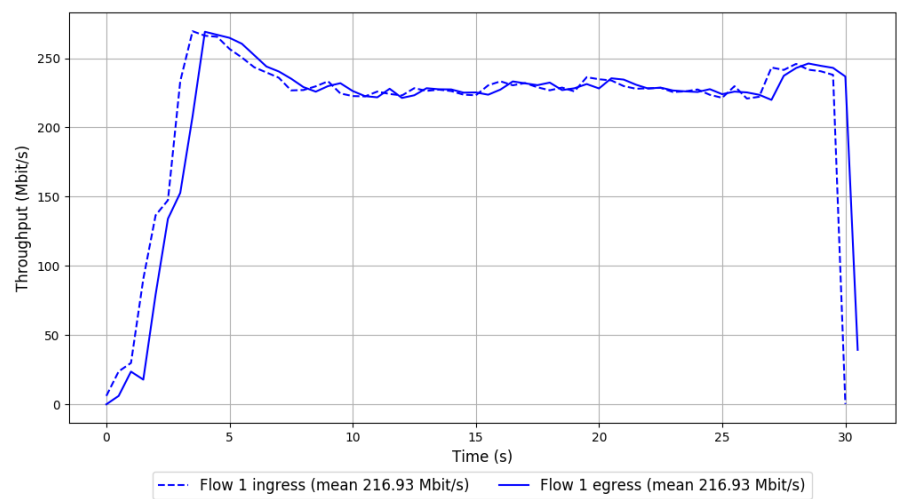
-- Flow 1:

Average throughput: 216.93 Mbit/s

95th percentile per-packet one-way delay: 86.320 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 03:09:56

End at: 2018-08-09 03:10:26

Local clock offset: 1.158 ms

Remote clock offset: -0.797 ms

Below is generated by plot.py at 2018-08-09 05:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.88 Mbit/s

95th percentile per-packet one-way delay: 85.992 ms

Loss rate: 0.00%

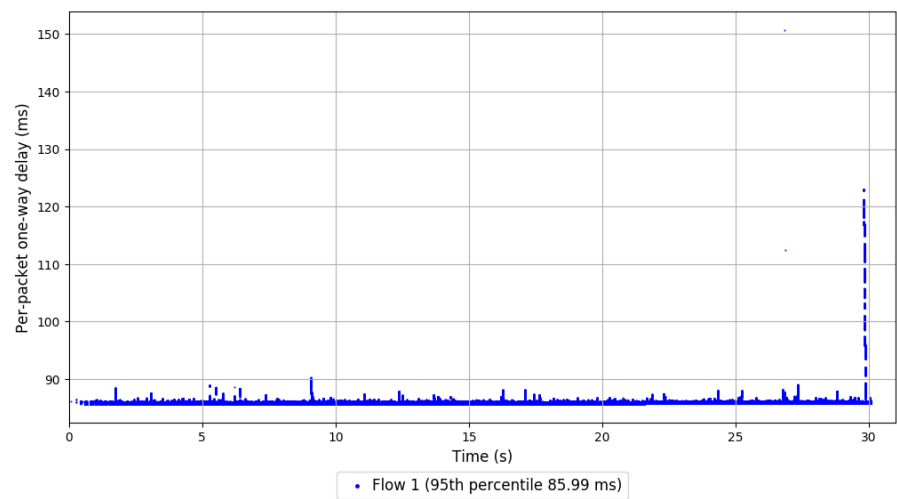
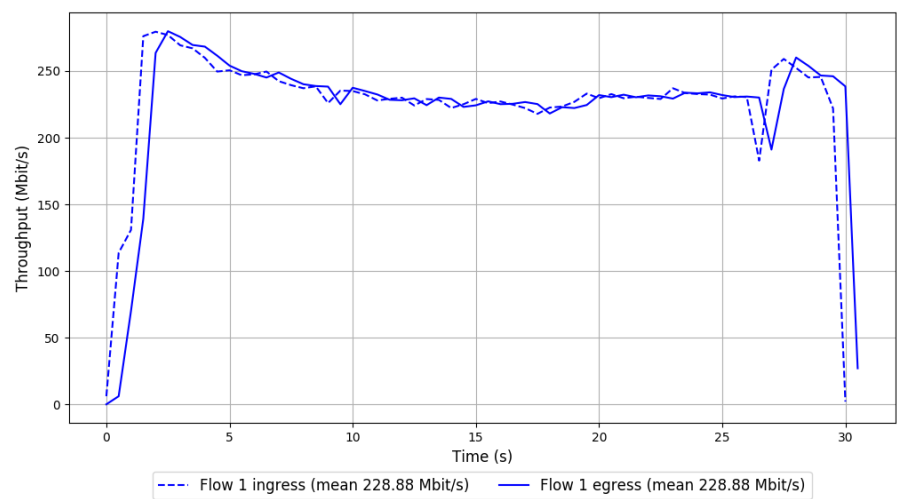
-- Flow 1:

Average throughput: 228.88 Mbit/s

95th percentile per-packet one-way delay: 85.992 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 03:33:27

End at: 2018-08-09 03:33:57

Local clock offset: 0.098 ms

Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-08-09 05:45:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 86.426 ms

Loss rate: 0.00%

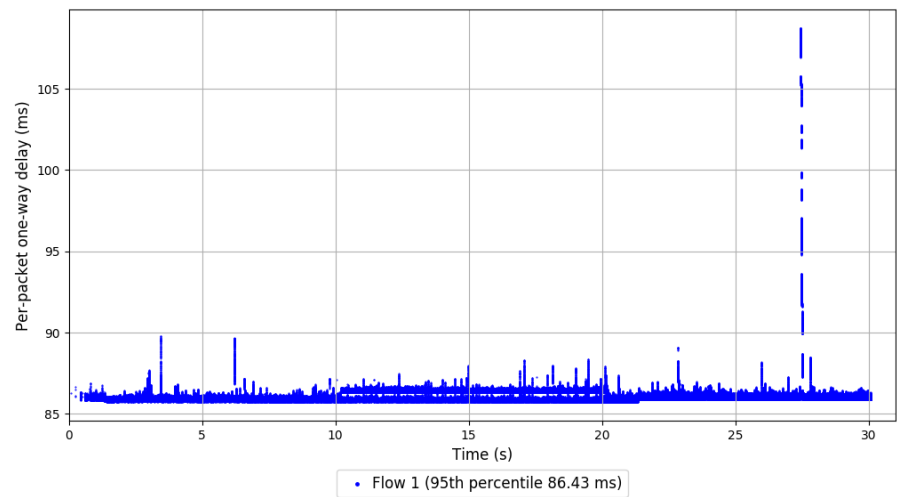
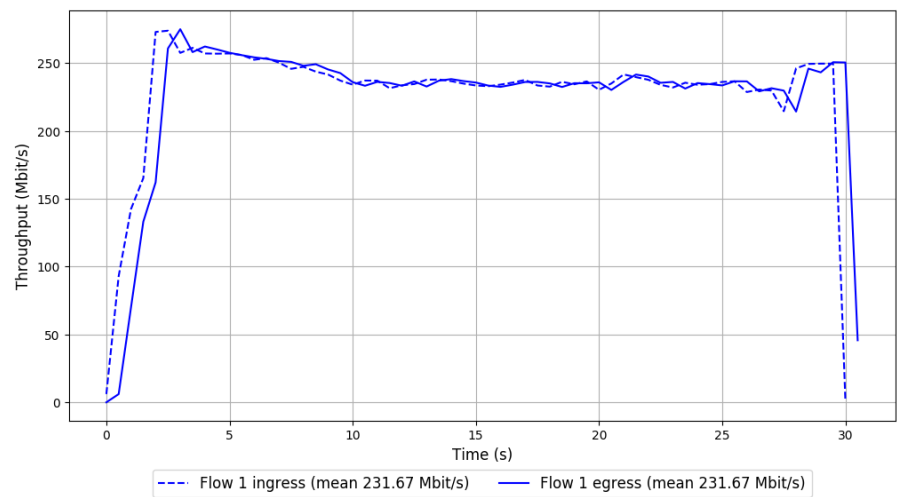
-- Flow 1:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 86.426 ms

Loss rate: 0.00%

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

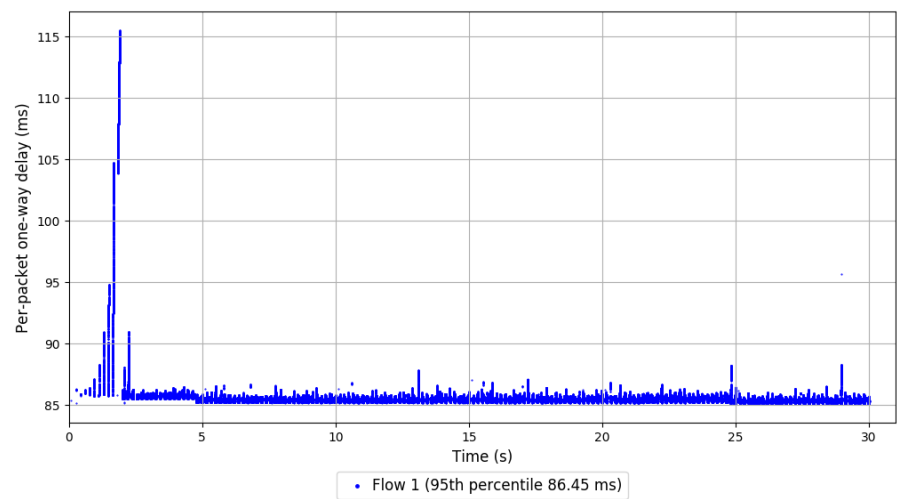
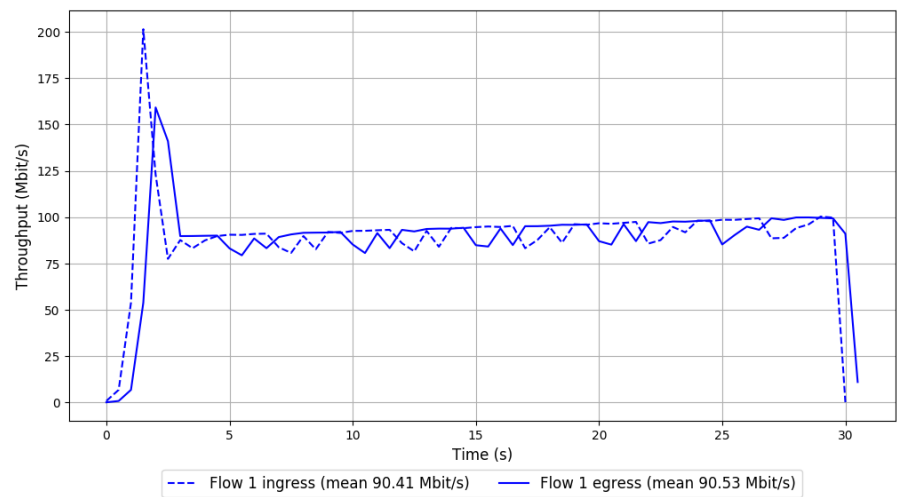


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 00:11:23
End at: 2018-08-09 00:11:53
Local clock offset: 24.256 ms
Remote clock offset: -32.392 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 86.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 86.454 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

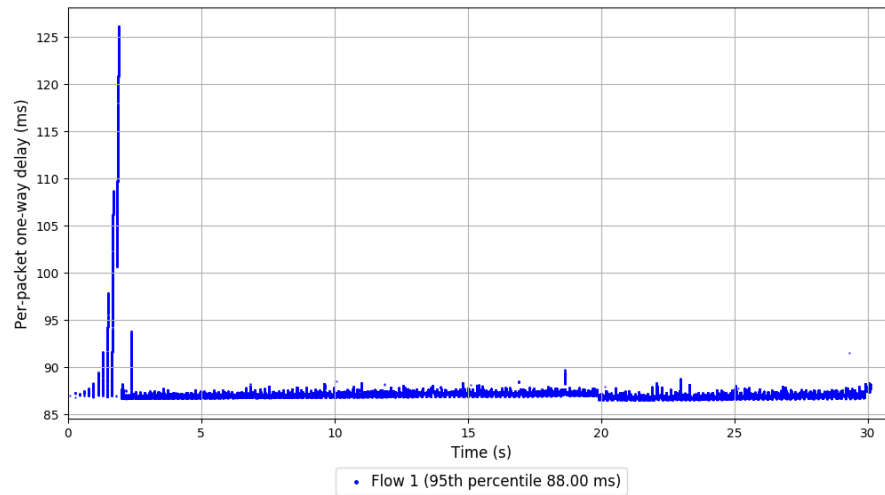
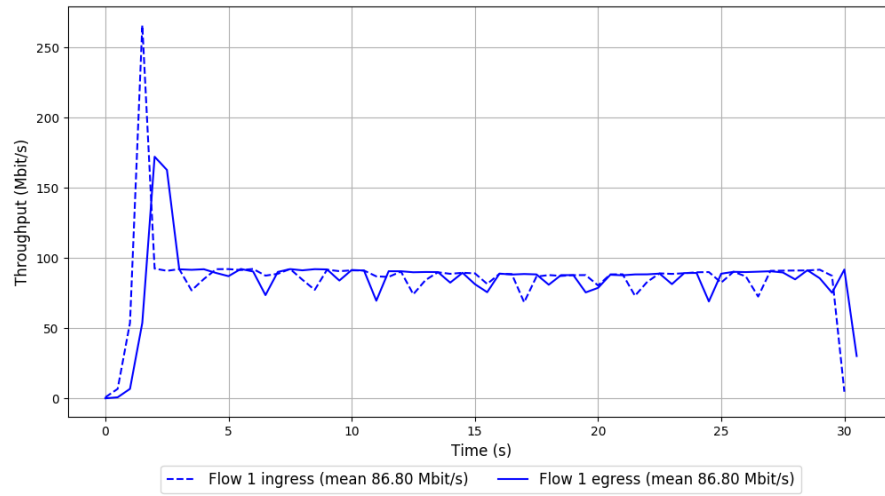


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 00:34:38
End at: 2018-08-09 00:35:08
Local clock offset: 28.503 ms
Remote clock offset: -24.774 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 88.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 88.003 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

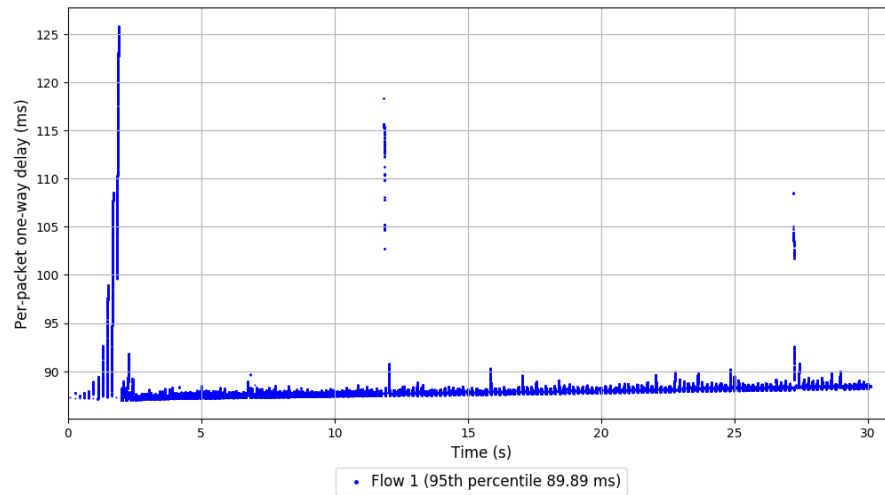
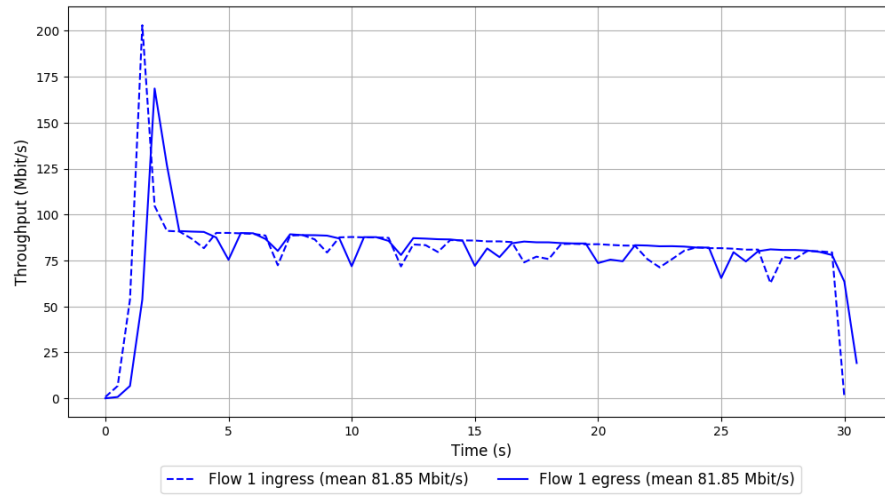


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 00:57:55
End at: 2018-08-09 00:58:25
Local clock offset: 50.313 ms
Remote clock offset: -26.4 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 89.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 89.891 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

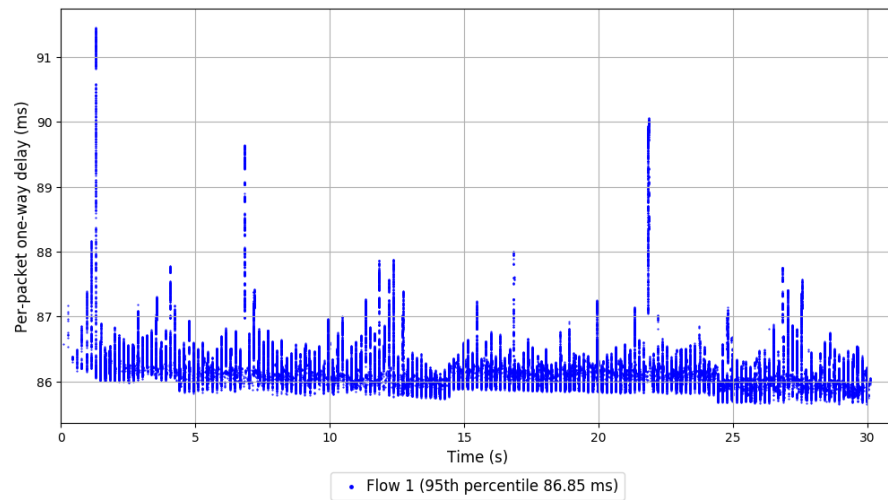
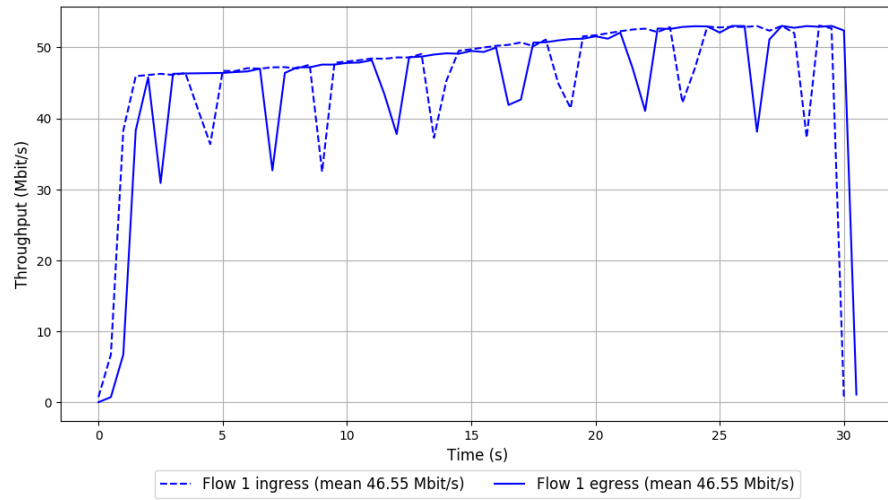


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 01:21:23
End at: 2018-08-09 01:21:53
Local clock offset: 21.447 ms
Remote clock offset: -16.832 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

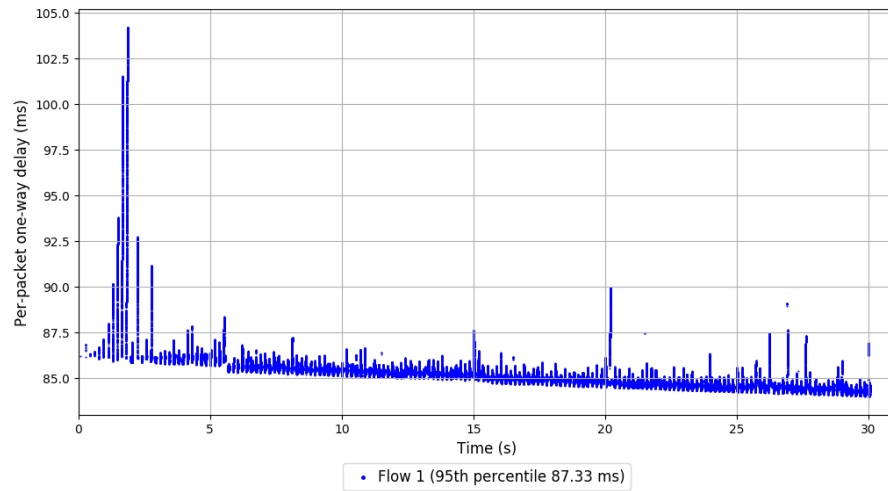
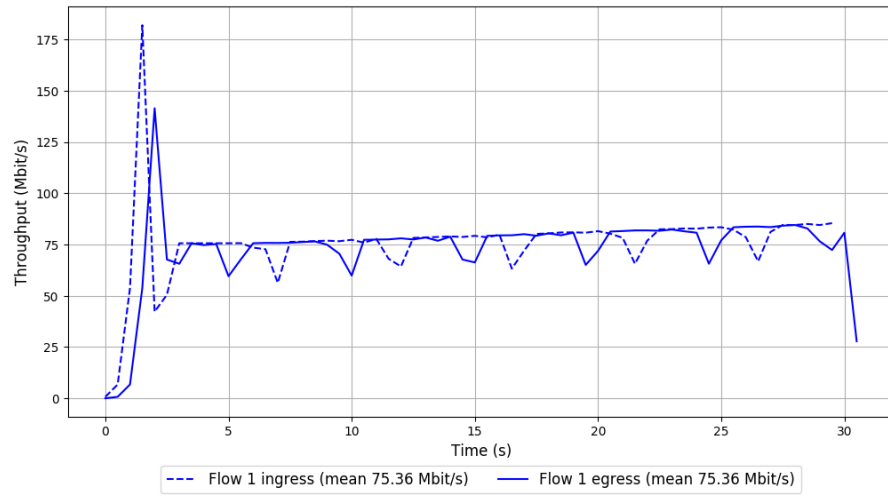


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 01:44:32
End at: 2018-08-09 01:45:02
Local clock offset: 11.829 ms
Remote clock offset: -19.696 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 87.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 87.328 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

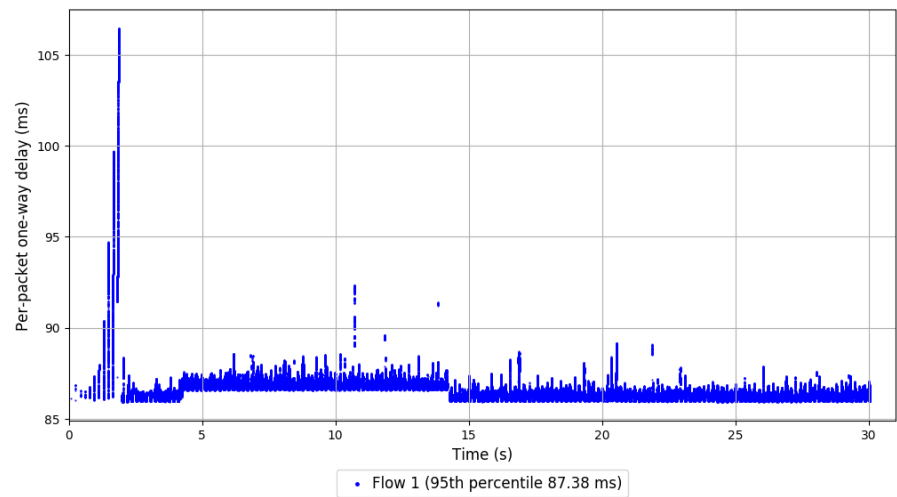
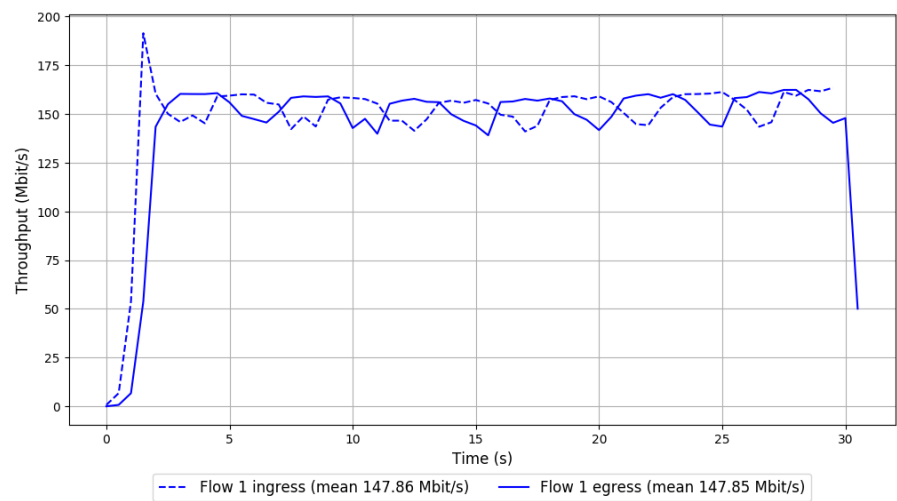


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 02:07:44
End at: 2018-08-09 02:08:14
Local clock offset: 6.323 ms
Remote clock offset: -4.214 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.85 Mbit/s
95th percentile per-packet one-way delay: 87.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.85 Mbit/s
95th percentile per-packet one-way delay: 87.383 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

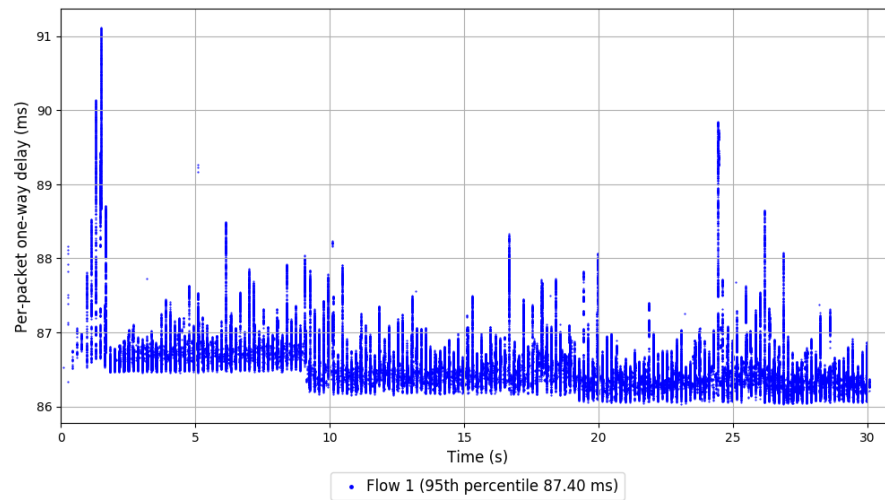
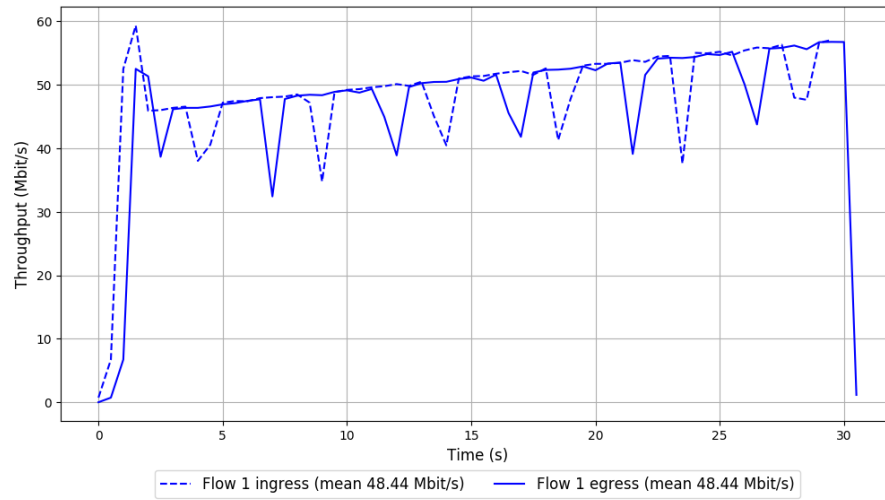


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 02:31:09
End at: 2018-08-09 02:31:39
Local clock offset: 2.243 ms
Remote clock offset: -1.723 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 87.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 87.397 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

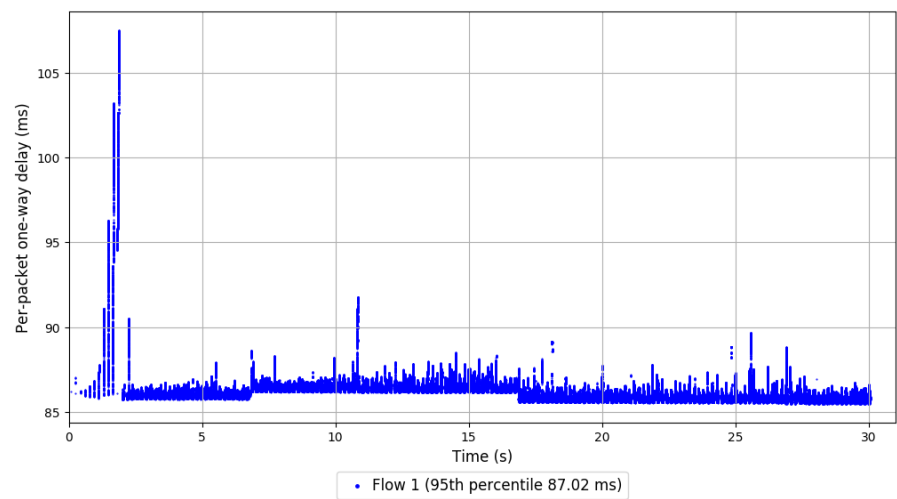
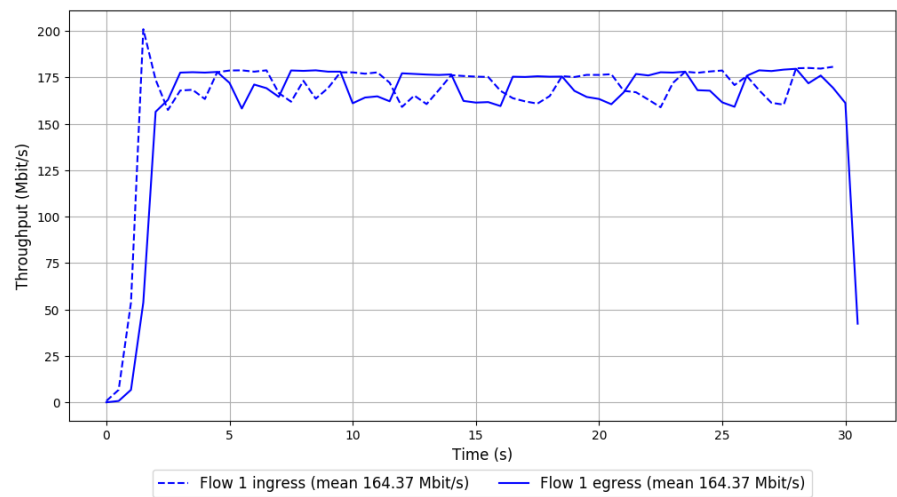


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 02:54:21
End at: 2018-08-09 02:54:51
Local clock offset: 1.32 ms
Remote clock offset: -1.816 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.37 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.37 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

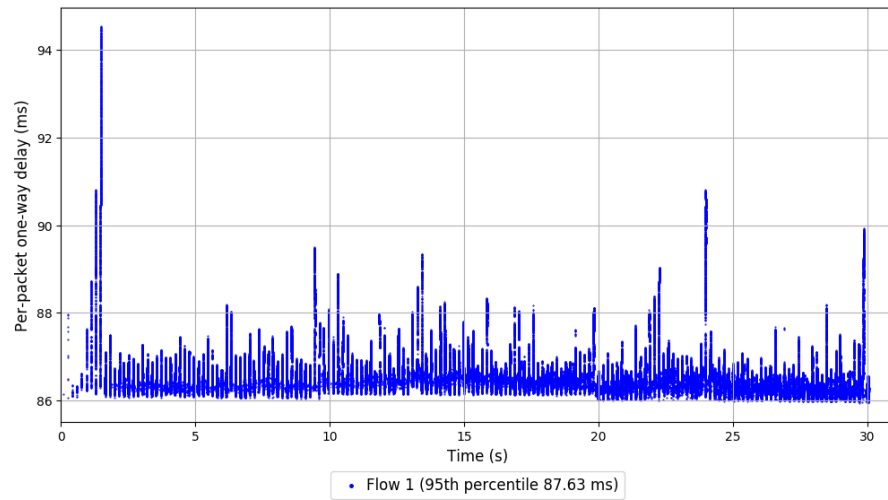
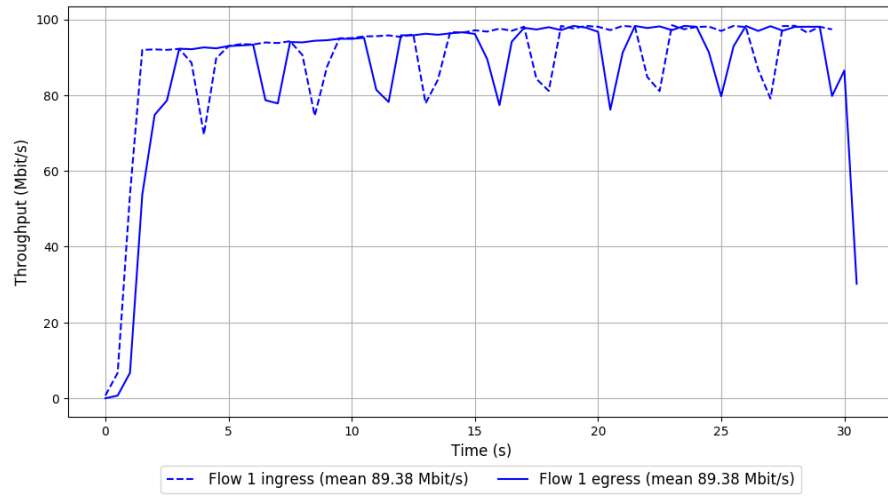


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 03:17:58
End at: 2018-08-09 03:18:28
Local clock offset: 1.164 ms
Remote clock offset: -0.862 ms

Below is generated by plot.py at 2018-08-09 05:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 87.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 87.631 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 03:41:28

End at: 2018-08-09 03:41:58

Local clock offset: -0.058 ms

Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-08-09 05:45:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 87.809 ms

Loss rate: 0.02%

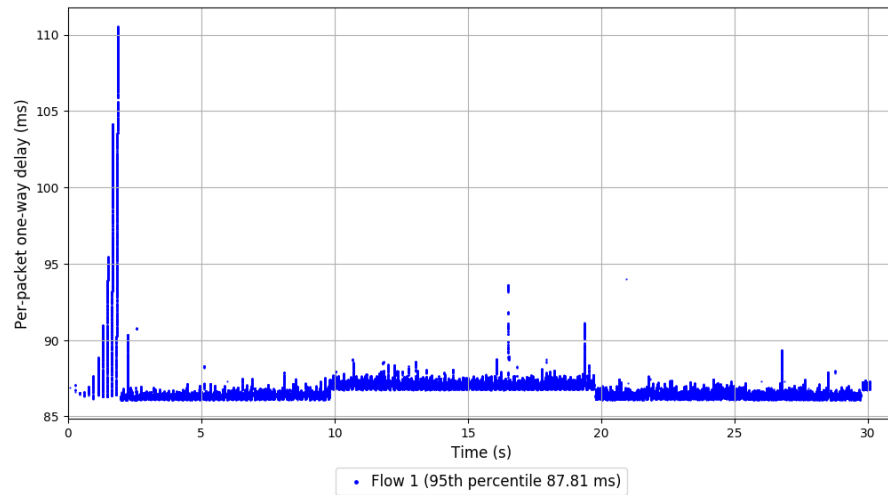
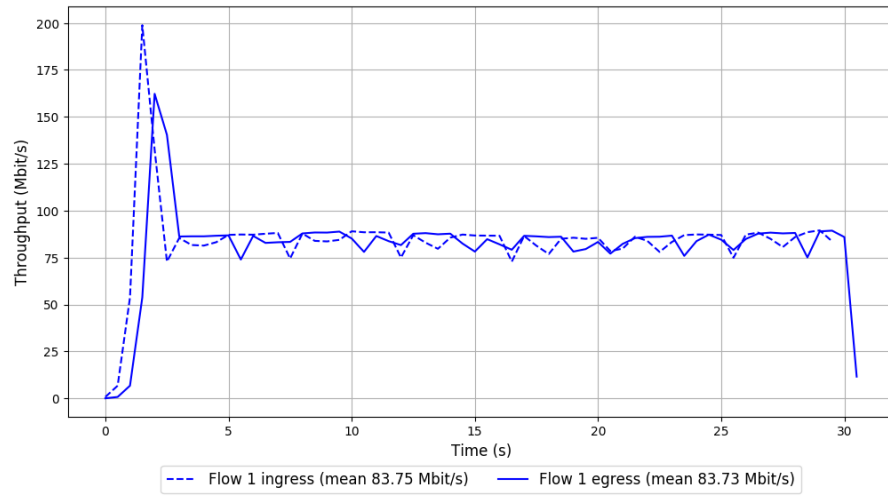
-- Flow 1:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 87.809 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

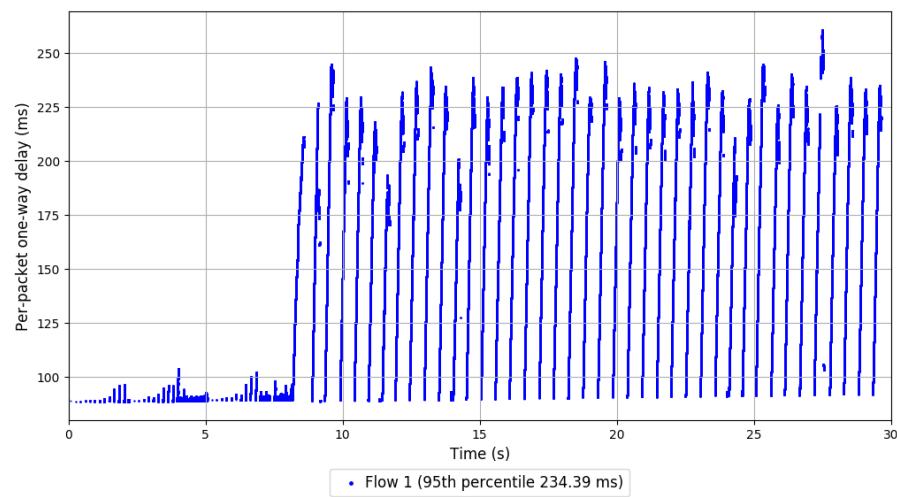
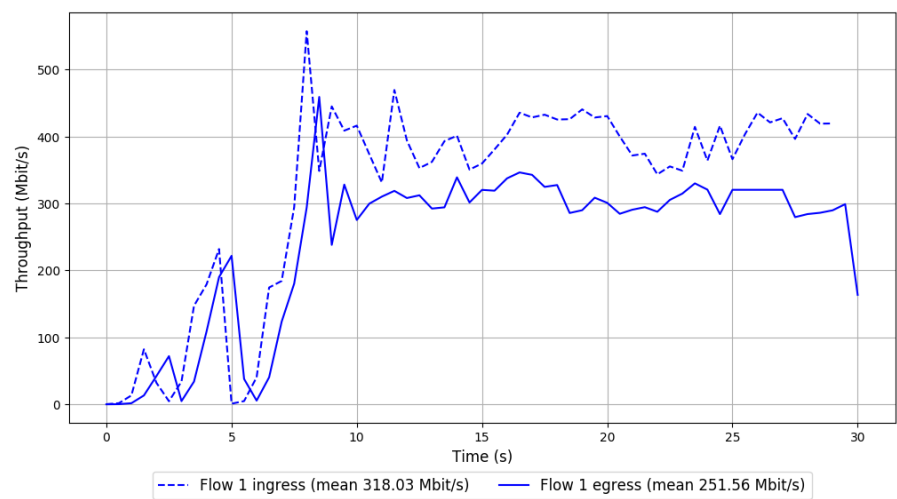


Run 1: Statistics of Verus

Start at: 2018-08-08 23:50:49
End at: 2018-08-08 23:51:19
Local clock offset: 16.41 ms
Remote clock offset: -12.45 ms

Below is generated by plot.py at 2018-08-09 05:46:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.56 Mbit/s
95th percentile per-packet one-way delay: 234.387 ms
Loss rate: 20.63%
-- Flow 1:
Average throughput: 251.56 Mbit/s
95th percentile per-packet one-way delay: 234.387 ms
Loss rate: 20.63%

Run 1: Report of Verus — Data Link

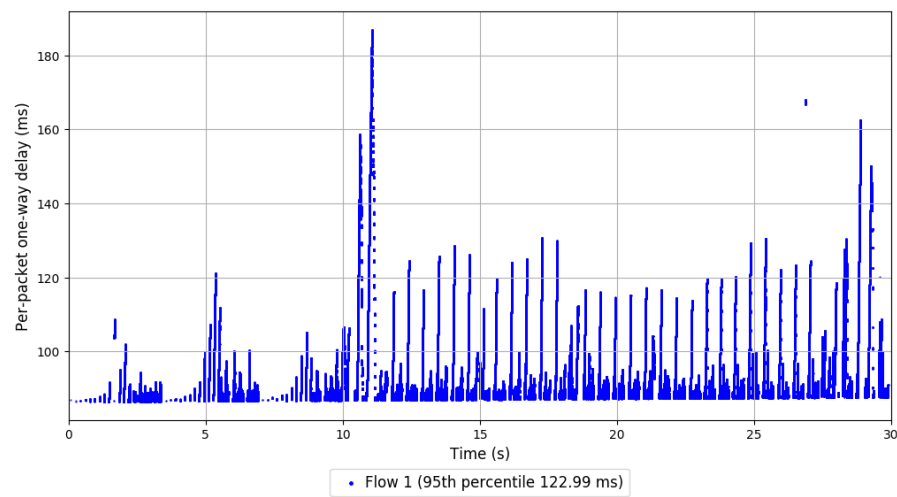
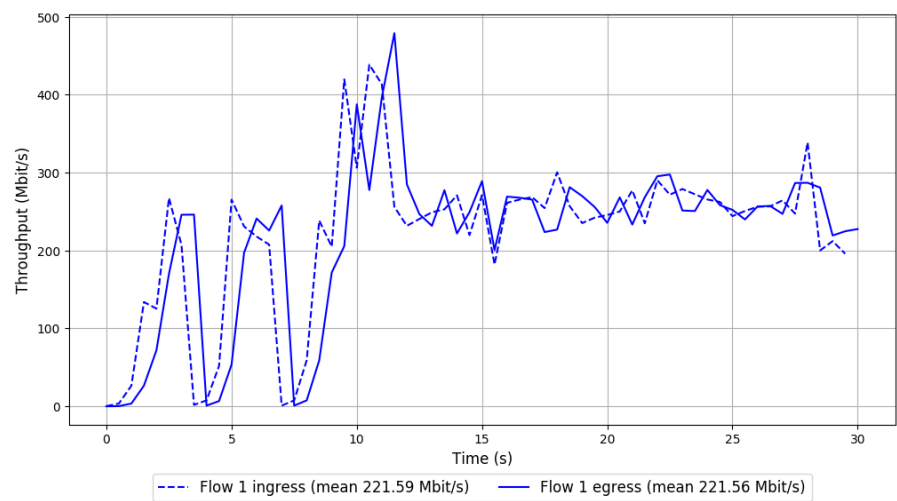


Run 2: Statistics of Verus

Start at: 2018-08-09 00:14:08
End at: 2018-08-09 00:14:38
Local clock offset: 19.54 ms
Remote clock offset: -39.023 ms

Below is generated by plot.py at 2018-08-09 05:46:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.56 Mbit/s
95th percentile per-packet one-way delay: 122.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.56 Mbit/s
95th percentile per-packet one-way delay: 122.993 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

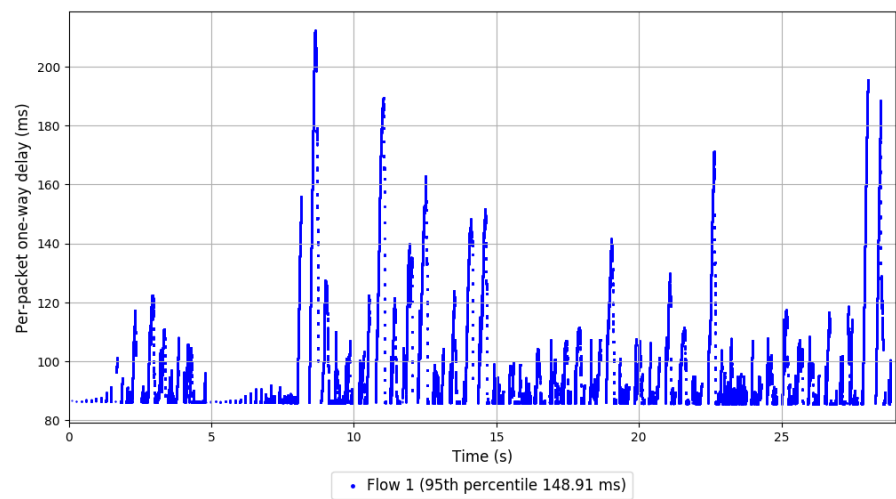
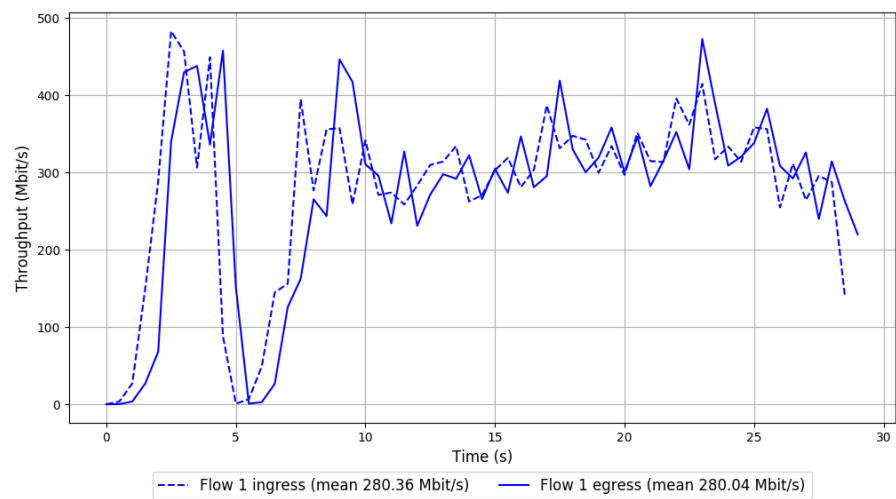


Run 3: Statistics of Verus

Start at: 2018-08-09 00:37:20
End at: 2018-08-09 00:37:50
Local clock offset: 28.147 ms
Remote clock offset: -24.8 ms

Below is generated by plot.py at 2018-08-09 05:47:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.04 Mbit/s
95th percentile per-packet one-way delay: 148.905 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 280.04 Mbit/s
95th percentile per-packet one-way delay: 148.905 ms
Loss rate: 0.07%

Run 3: Report of Verus — Data Link

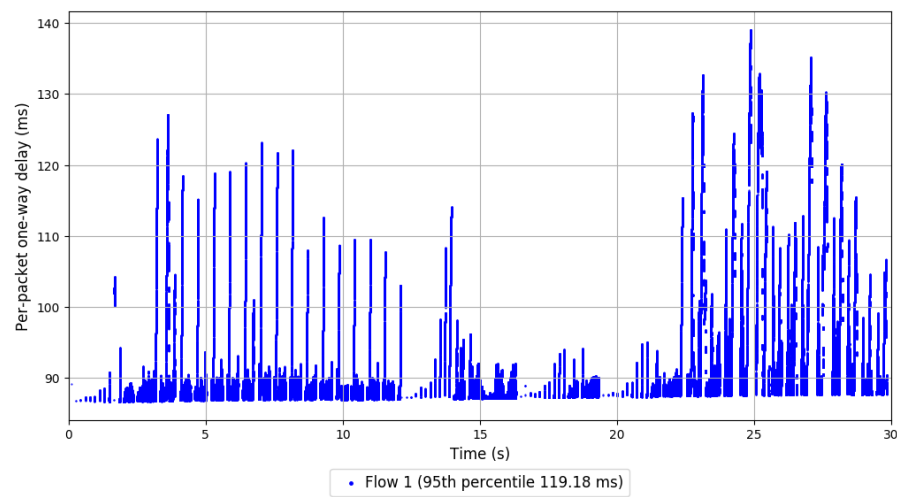
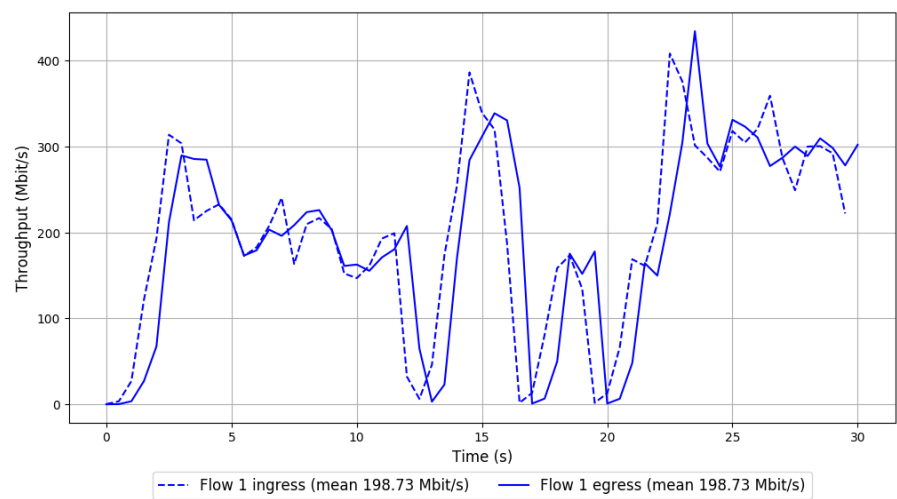


Run 4: Statistics of Verus

Start at: 2018-08-09 01:00:38
End at: 2018-08-09 01:01:08
Local clock offset: 54.982 ms
Remote clock offset: -28.904 ms

Below is generated by plot.py at 2018-08-09 05:47:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.73 Mbit/s
95th percentile per-packet one-way delay: 119.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.73 Mbit/s
95th percentile per-packet one-way delay: 119.183 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

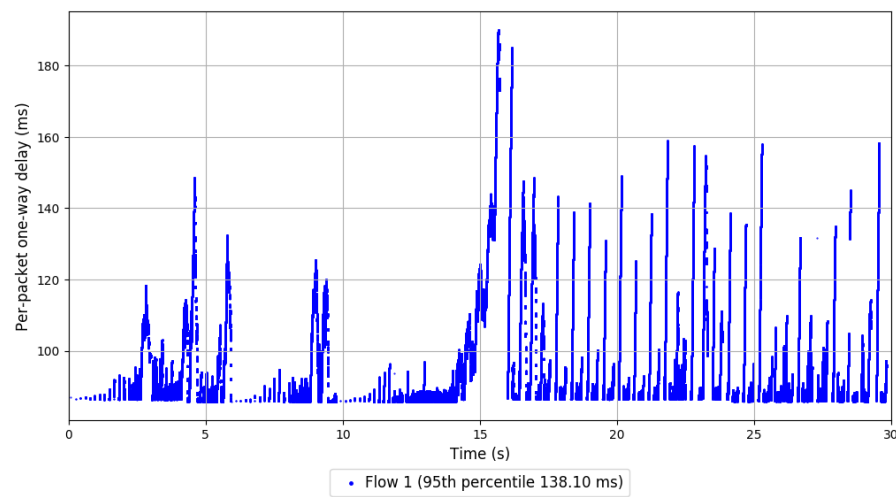
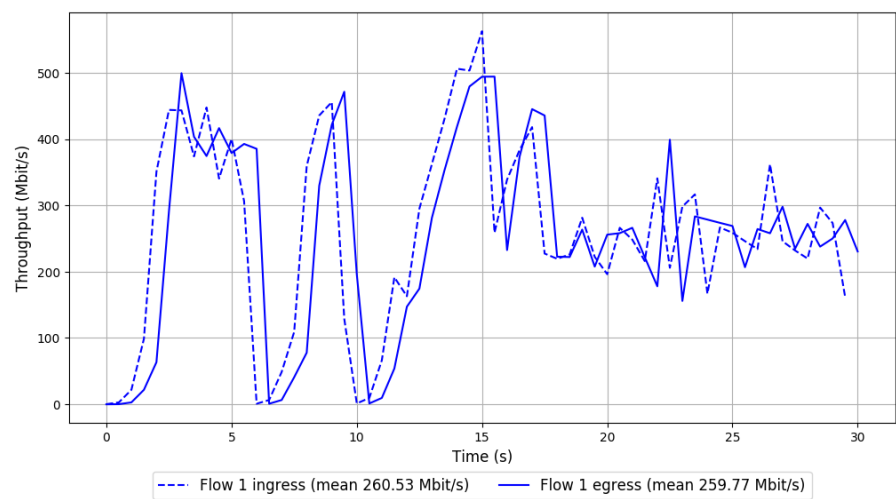


Run 5: Statistics of Verus

Start at: 2018-08-09 01:24:04
End at: 2018-08-09 01:24:34
Local clock offset: 22.243 ms
Remote clock offset: -15.475 ms

Below is generated by plot.py at 2018-08-09 05:47:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 138.096 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 138.096 ms
Loss rate: 0.26%

Run 5: Report of Verus — Data Link

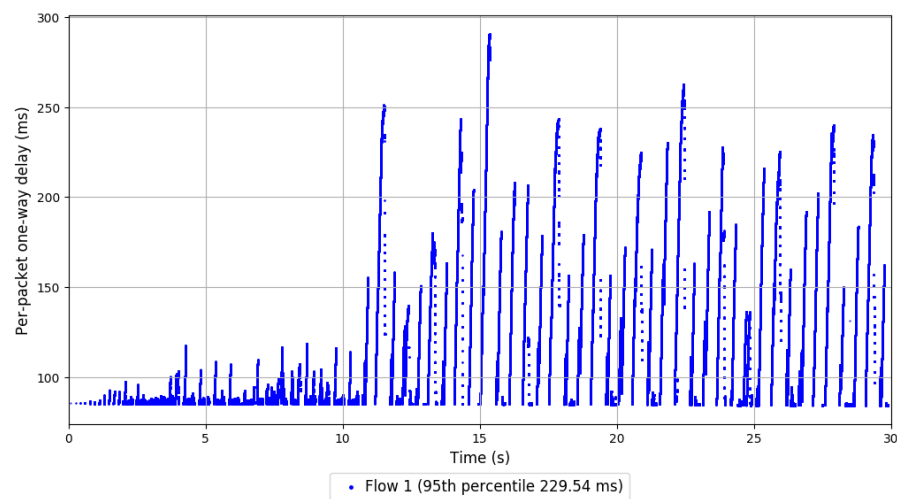
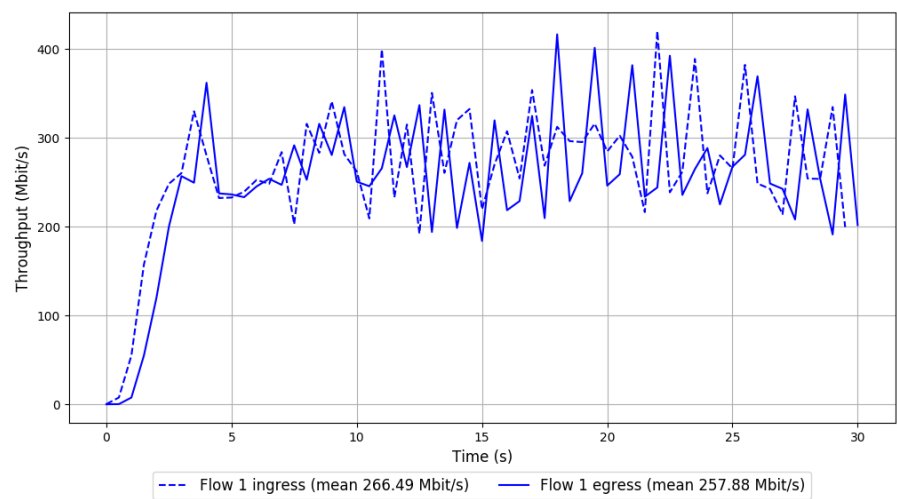


Run 6: Statistics of Verus

Start at: 2018-08-09 01:47:13
End at: 2018-08-09 01:47:44
Local clock offset: 9.78 ms
Remote clock offset: -14.731 ms

Below is generated by plot.py at 2018-08-09 05:48:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.88 Mbit/s
95th percentile per-packet one-way delay: 229.543 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 257.88 Mbit/s
95th percentile per-packet one-way delay: 229.543 ms
Loss rate: 3.24%

Run 6: Report of Verus — Data Link

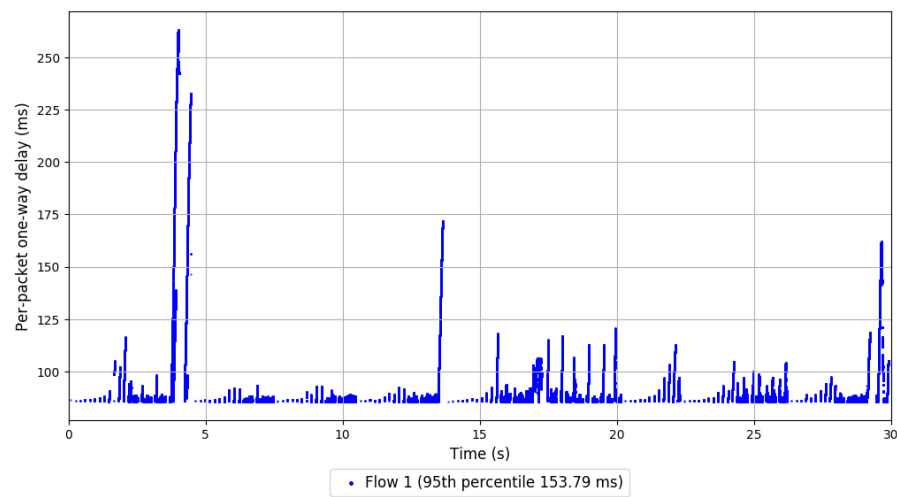
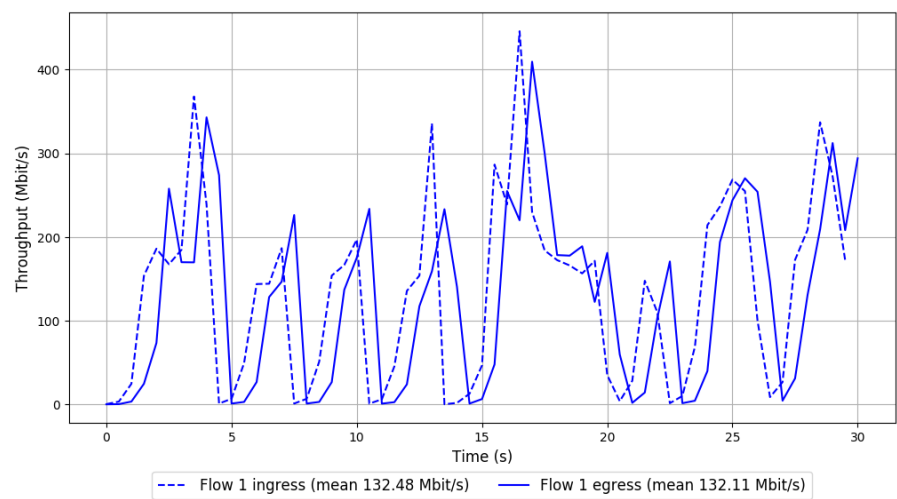


Run 7: Statistics of Verus

Start at: 2018-08-09 02:10:28
End at: 2018-08-09 02:10:58
Local clock offset: 6.378 ms
Remote clock offset: -4.154 ms

Below is generated by plot.py at 2018-08-09 05:48:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.11 Mbit/s
95th percentile per-packet one-way delay: 153.788 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 132.11 Mbit/s
95th percentile per-packet one-way delay: 153.788 ms
Loss rate: 0.25%

Run 7: Report of Verus — Data Link

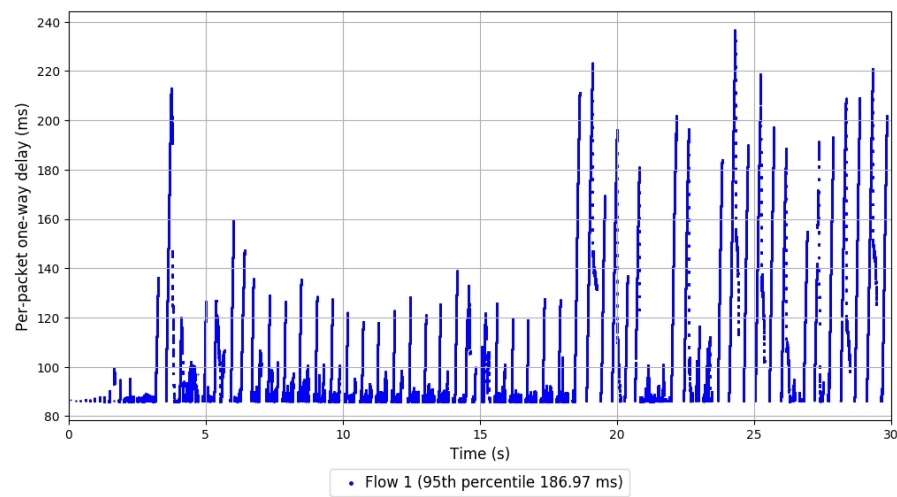
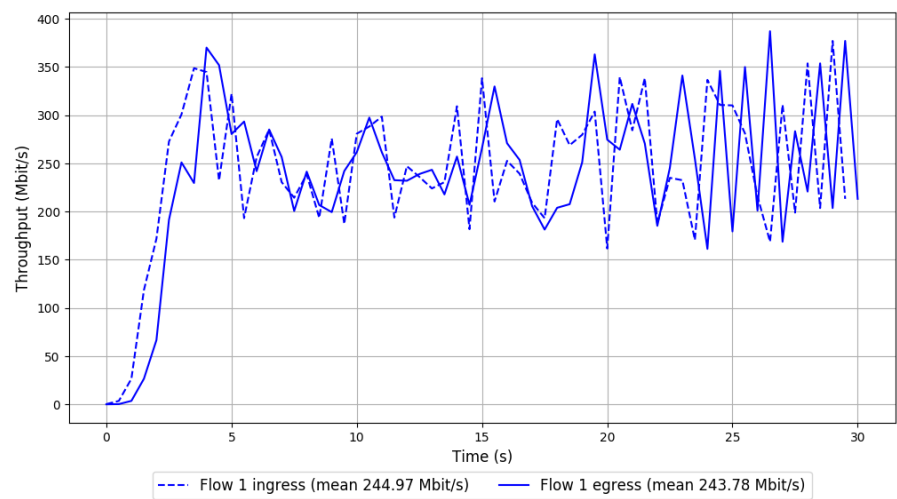


Run 8: Statistics of Verus

Start at: 2018-08-09 02:33:48
End at: 2018-08-09 02:34:18
Local clock offset: 2.207 ms
Remote clock offset: -1.695 ms

Below is generated by plot.py at 2018-08-09 05:49:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.78 Mbit/s
95th percentile per-packet one-way delay: 186.975 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 243.78 Mbit/s
95th percentile per-packet one-way delay: 186.975 ms
Loss rate: 0.10%

Run 8: Report of Verus — Data Link

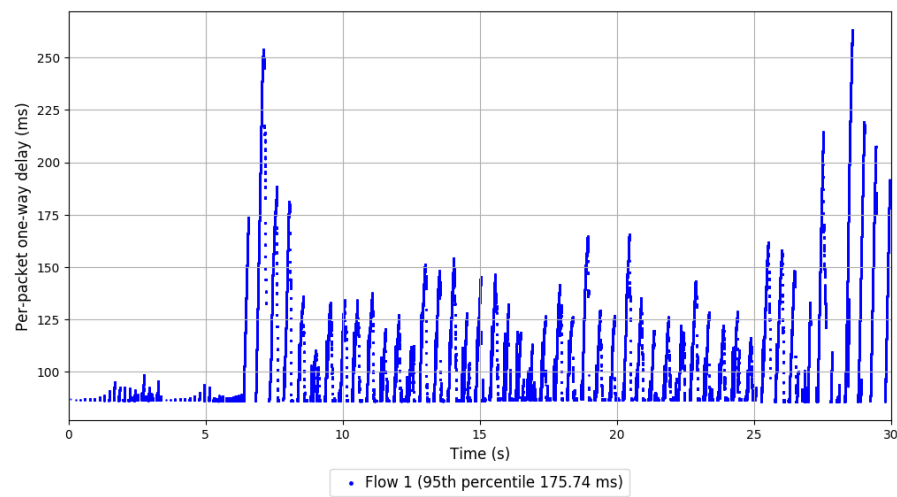
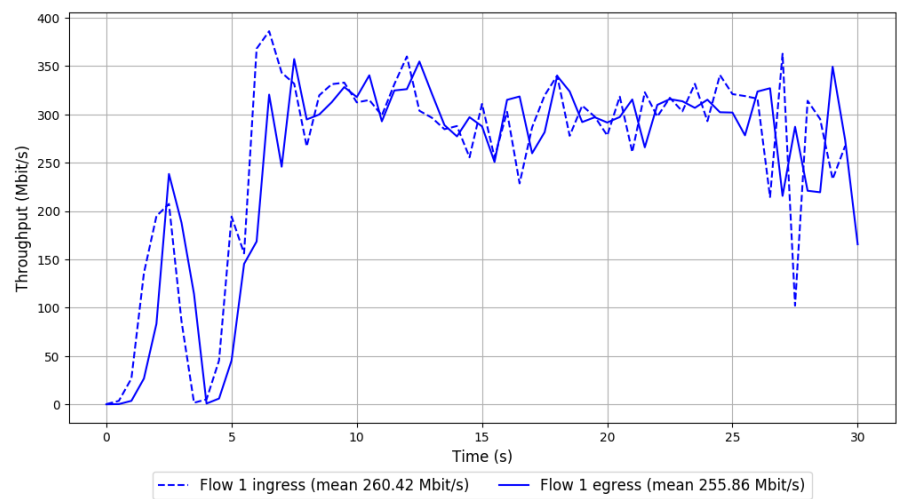


Run 9: Statistics of Verus

Start at: 2018-08-09 02:57:03
End at: 2018-08-09 02:57:33
Local clock offset: 1.061 ms
Remote clock offset: -1.453 ms

Below is generated by plot.py at 2018-08-09 05:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.86 Mbit/s
95th percentile per-packet one-way delay: 175.738 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 255.86 Mbit/s
95th percentile per-packet one-way delay: 175.738 ms
Loss rate: 1.53%

Run 9: Report of Verus — Data Link

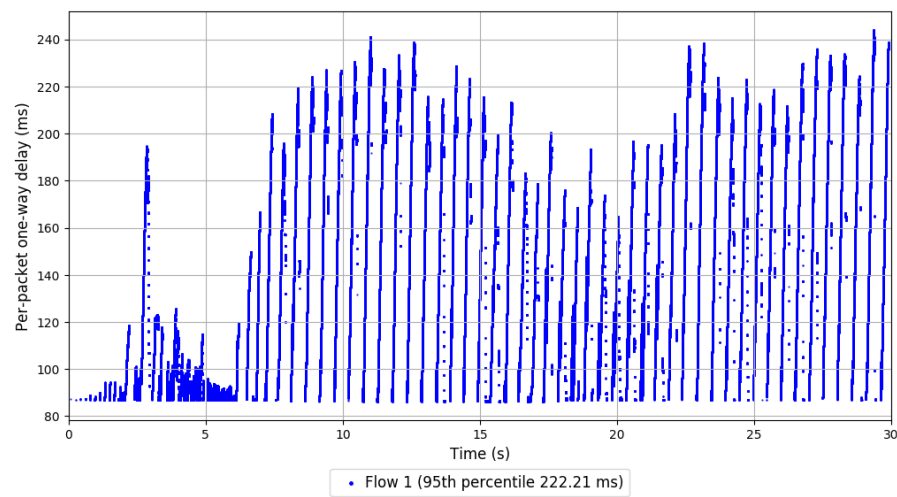
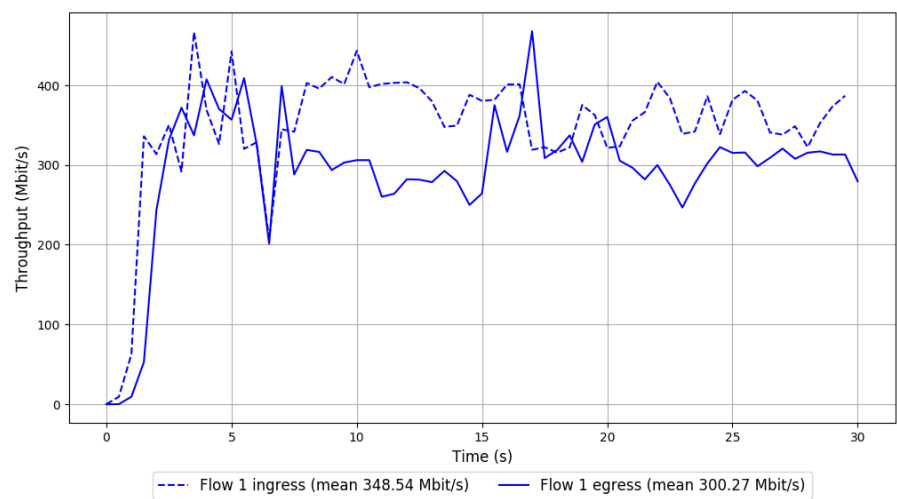


Run 10: Statistics of Verus

Start at: 2018-08-09 03:20:40
End at: 2018-08-09 03:21:10
Local clock offset: 0.67 ms
Remote clock offset: -0.887 ms

Below is generated by plot.py at 2018-08-09 05:51:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.27 Mbit/s
95th percentile per-packet one-way delay: 222.213 ms
Loss rate: 13.83%
-- Flow 1:
Average throughput: 300.27 Mbit/s
95th percentile per-packet one-way delay: 222.213 ms
Loss rate: 13.83%

Run 10: Report of Verus — Data Link

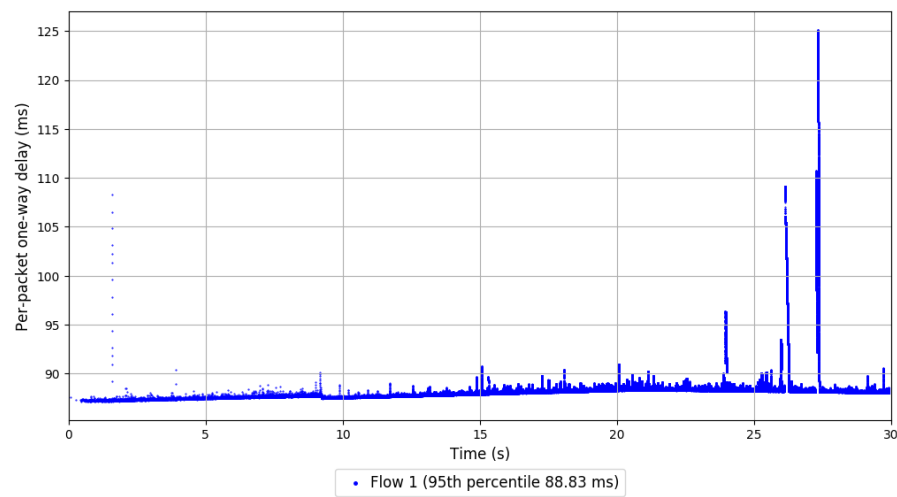
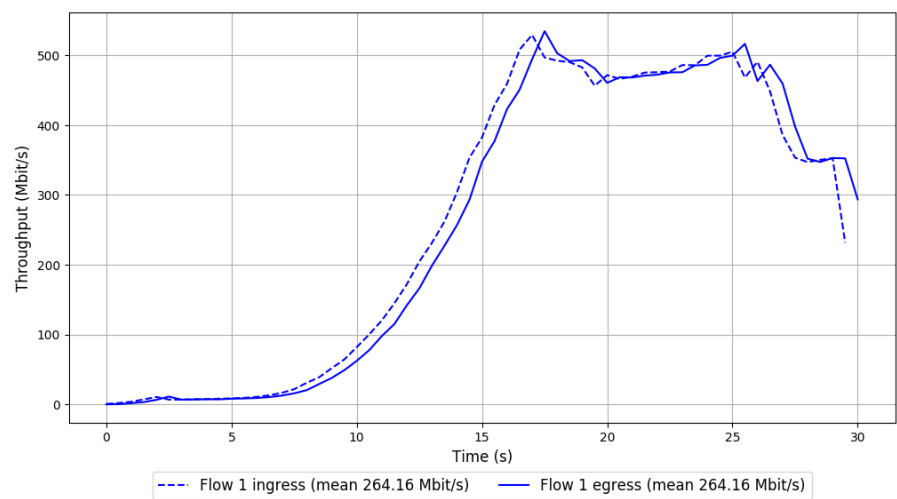


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 00:09:58
End at: 2018-08-09 00:10:28
Local clock offset: 24.487 ms
Remote clock offset: -29.985 ms

Below is generated by plot.py at 2018-08-09 05:51:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.16 Mbit/s
95th percentile per-packet one-way delay: 88.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 264.16 Mbit/s
95th percentile per-packet one-way delay: 88.830 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

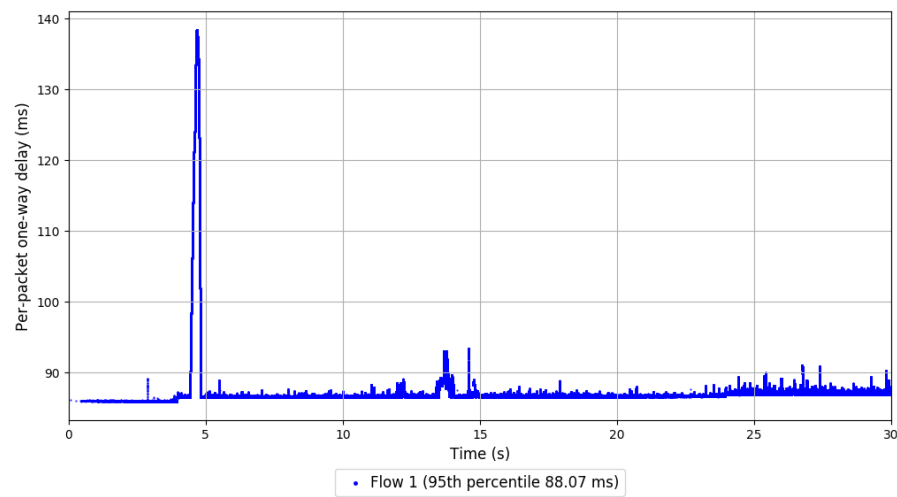
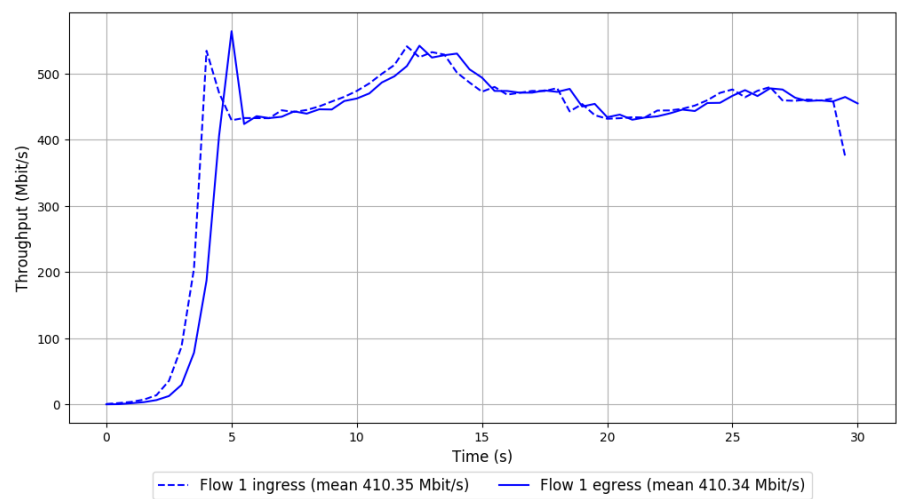


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 00:33:04
End at: 2018-08-09 00:33:34
Local clock offset: 29.449 ms
Remote clock offset: -23.062 ms

Below is generated by plot.py at 2018-08-09 05:54:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 410.34 Mbit/s
95th percentile per-packet one-way delay: 88.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 410.34 Mbit/s
95th percentile per-packet one-way delay: 88.066 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

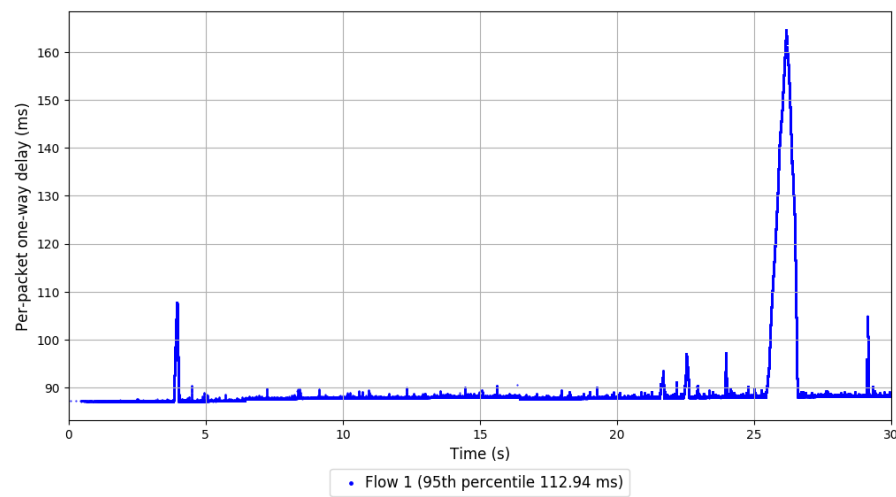
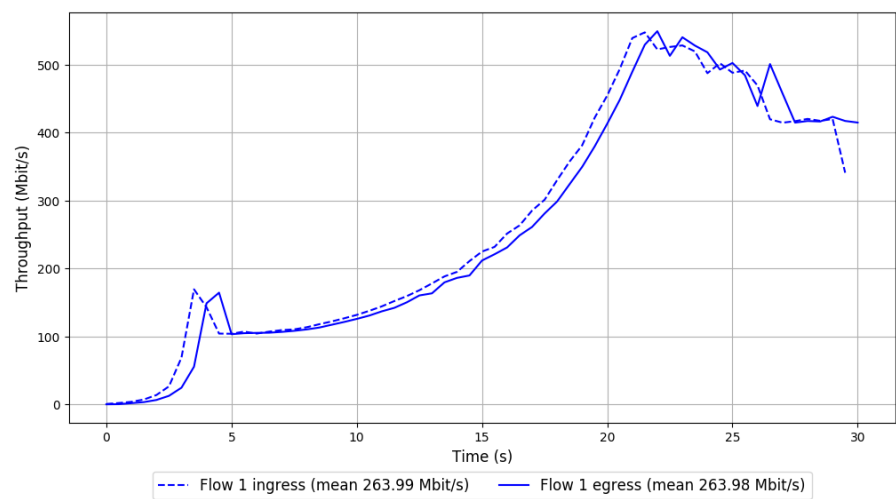


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 00:56:30
End at: 2018-08-09 00:57:00
Local clock offset: 48.008 ms
Remote clock offset: -25.334 ms

Below is generated by plot.py at 2018-08-09 05:54:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.98 Mbit/s
95th percentile per-packet one-way delay: 112.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.98 Mbit/s
95th percentile per-packet one-way delay: 112.937 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

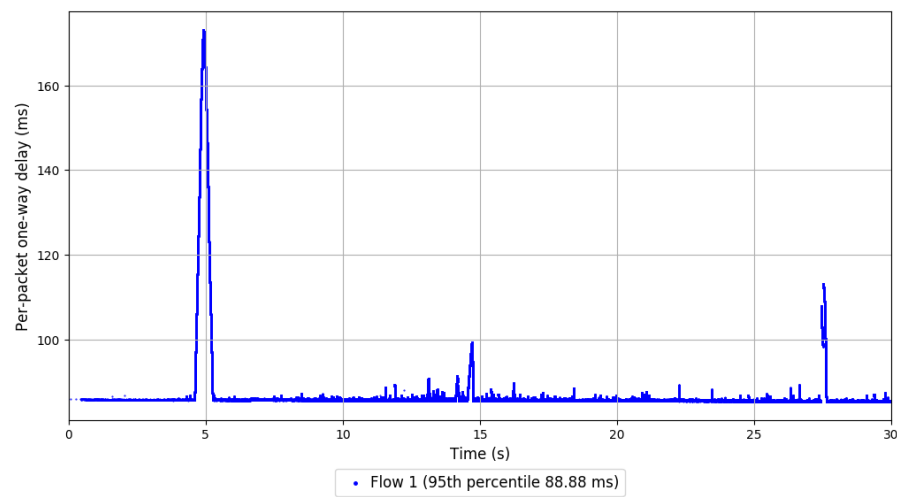
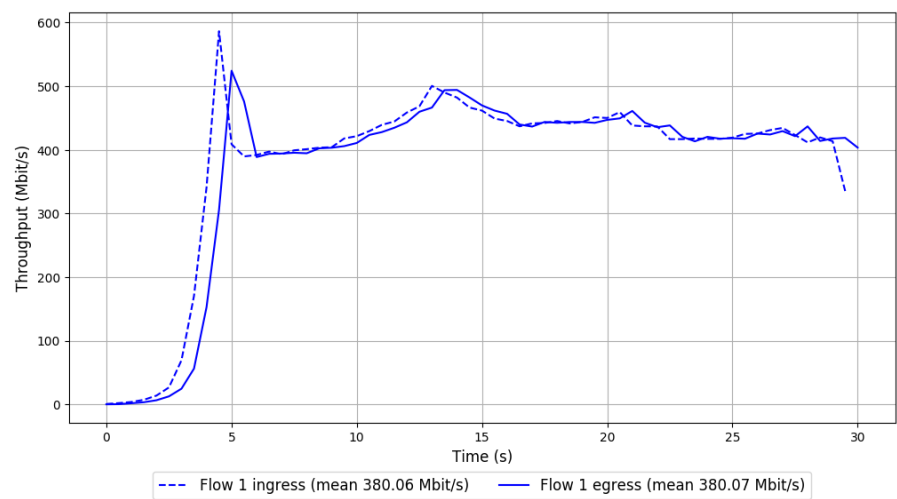


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 01:19:51
End at: 2018-08-09 01:20:21
Local clock offset: 21.324 ms
Remote clock offset: -18.137 ms

Below is generated by plot.py at 2018-08-09 05:54:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.07 Mbit/s
95th percentile per-packet one-way delay: 88.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.07 Mbit/s
95th percentile per-packet one-way delay: 88.883 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

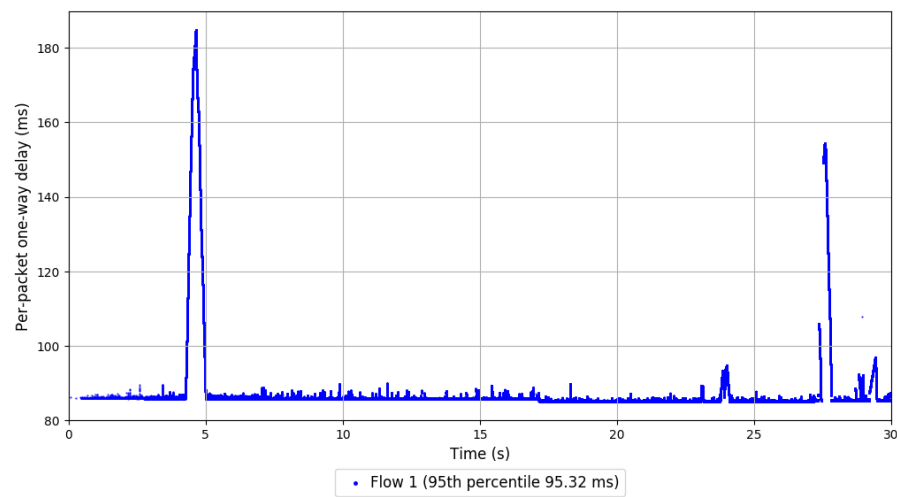
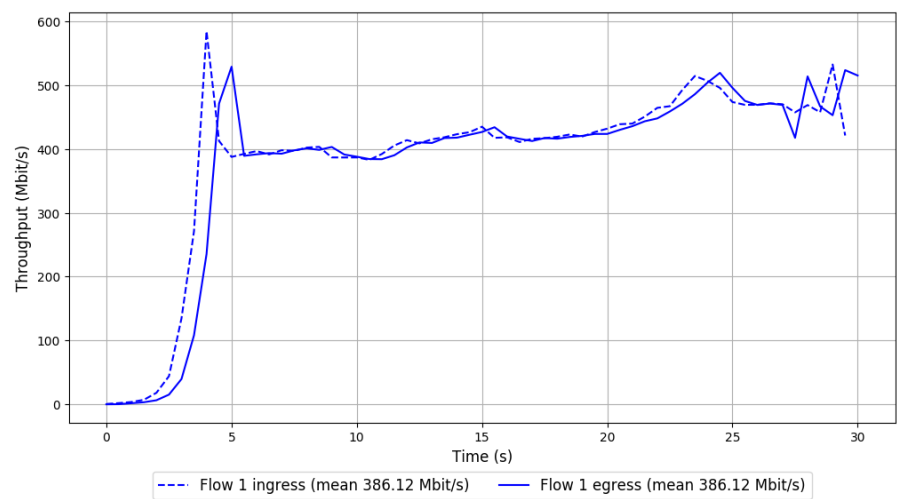


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 01:43:00
End at: 2018-08-09 01:43:30
Local clock offset: 13.88 ms
Remote clock offset: -19.016 ms

Below is generated by plot.py at 2018-08-09 05:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 386.12 Mbit/s
95th percentile per-packet one-way delay: 95.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 386.12 Mbit/s
95th percentile per-packet one-way delay: 95.316 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

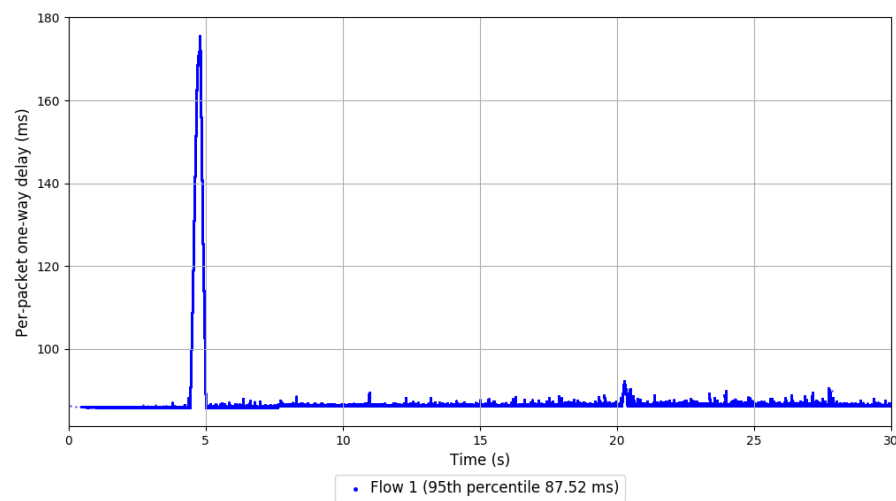
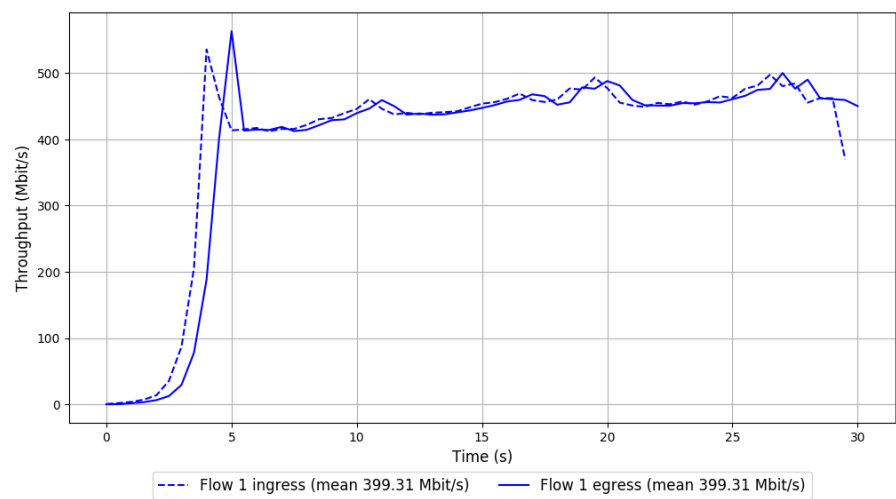


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 02:06:10
End at: 2018-08-09 02:06:40
Local clock offset: 6.305 ms
Remote clock offset: -4.222 ms

Below is generated by plot.py at 2018-08-09 05:55:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.31 Mbit/s
95th percentile per-packet one-way delay: 87.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 399.31 Mbit/s
95th percentile per-packet one-way delay: 87.517 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

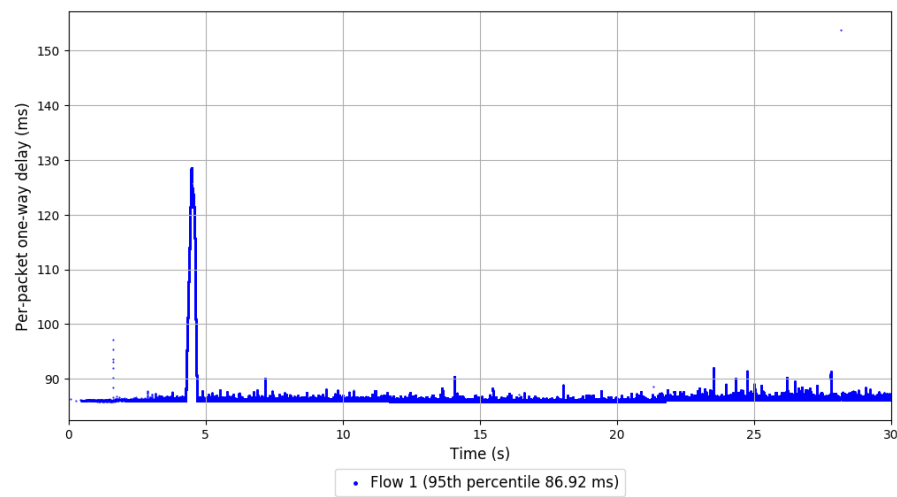
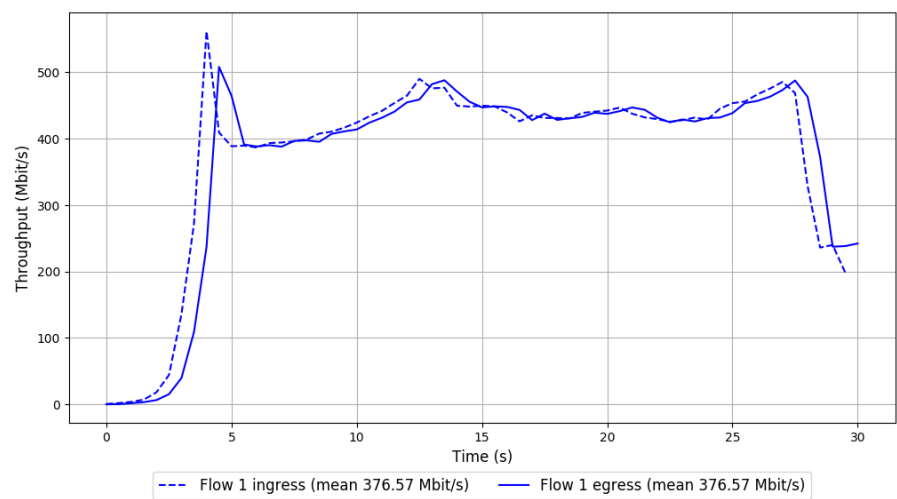


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 02:29:36
End at: 2018-08-09 02:30:06
Local clock offset: 2.303 ms
Remote clock offset: -1.925 ms

Below is generated by plot.py at 2018-08-09 05:56:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.57 Mbit/s
95th percentile per-packet one-way delay: 86.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.57 Mbit/s
95th percentile per-packet one-way delay: 86.919 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 02:52:48

End at: 2018-08-09 02:53:18

Local clock offset: 1.267 ms

Remote clock offset: -2.06 ms

Below is generated by plot.py at 2018-08-09 05:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.20 Mbit/s

95th percentile per-packet one-way delay: 87.856 ms

Loss rate: 0.00%

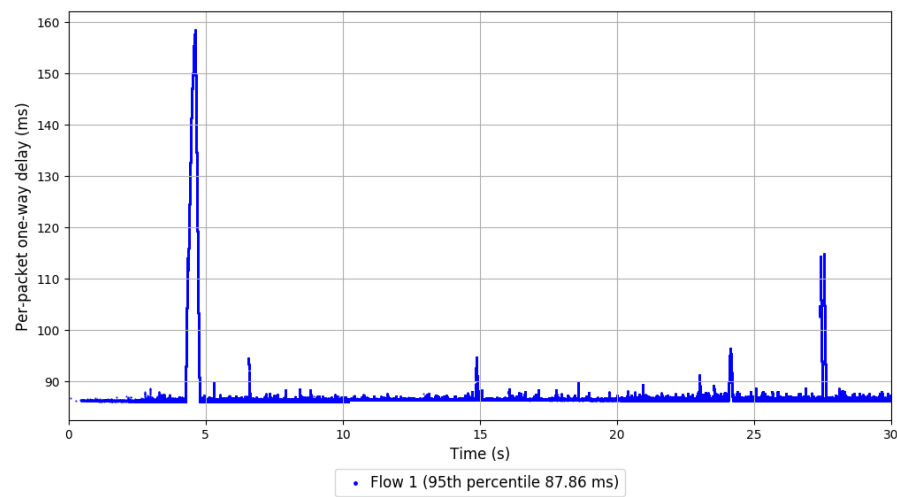
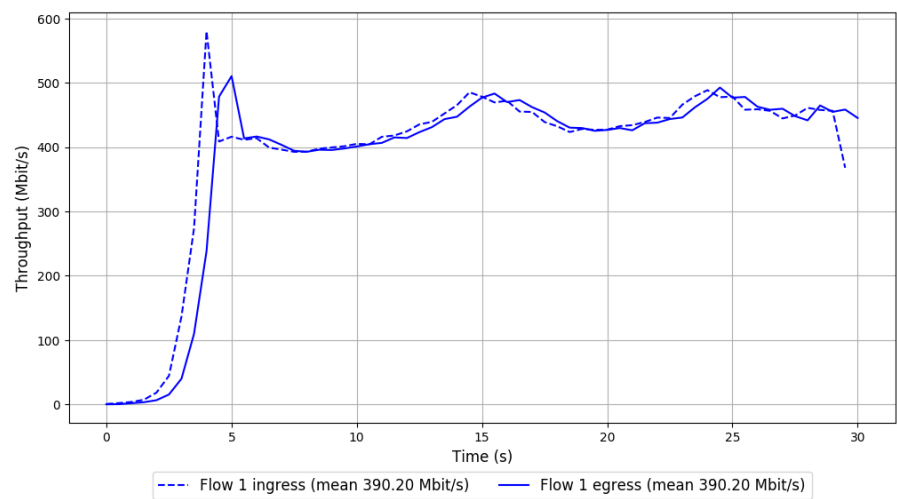
-- Flow 1:

Average throughput: 390.20 Mbit/s

95th percentile per-packet one-way delay: 87.856 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 03:16:24

End at: 2018-08-09 03:16:54

Local clock offset: 1.138 ms

Remote clock offset: -0.782 ms

Below is generated by plot.py at 2018-08-09 05:56:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.63 Mbit/s

95th percentile per-packet one-way delay: 87.840 ms

Loss rate: 0.00%

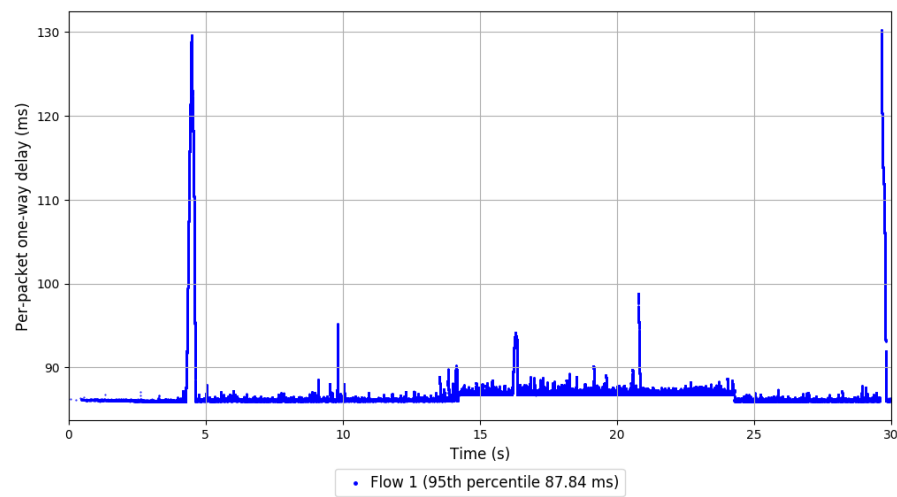
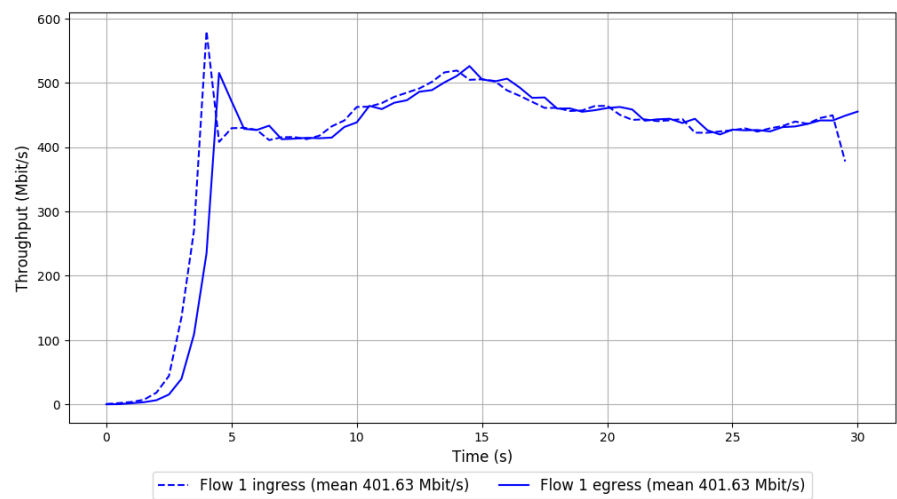
-- Flow 1:

Average throughput: 401.63 Mbit/s

95th percentile per-packet one-way delay: 87.840 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

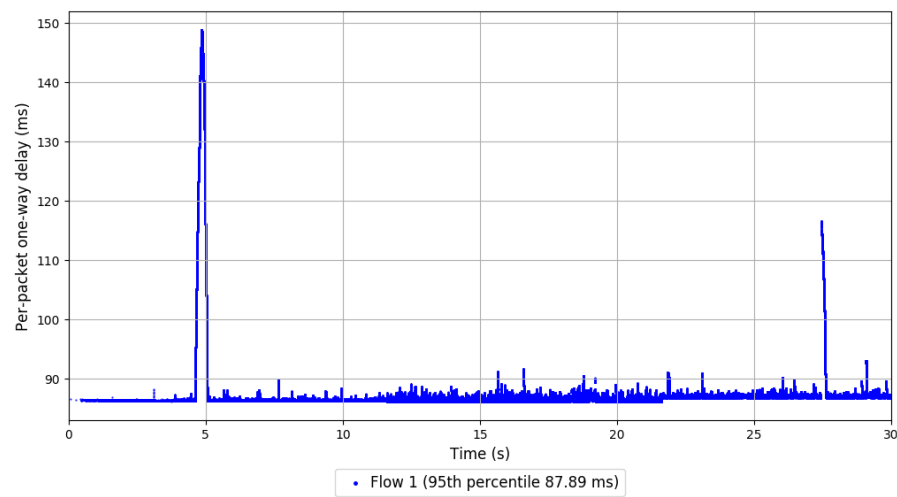
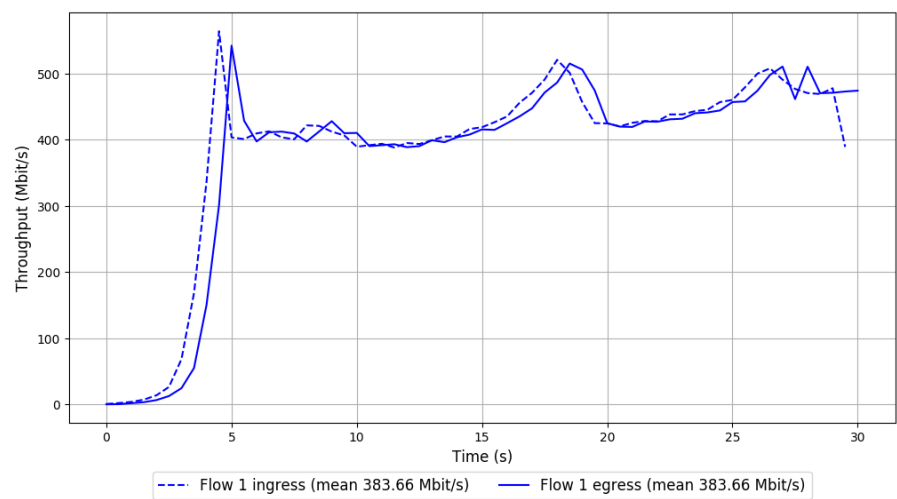


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 03:39:55
End at: 2018-08-09 03:40:25
Local clock offset: -0.091 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.66 Mbit/s
95th percentile per-packet one-way delay: 87.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 383.66 Mbit/s
95th percentile per-packet one-way delay: 87.886 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

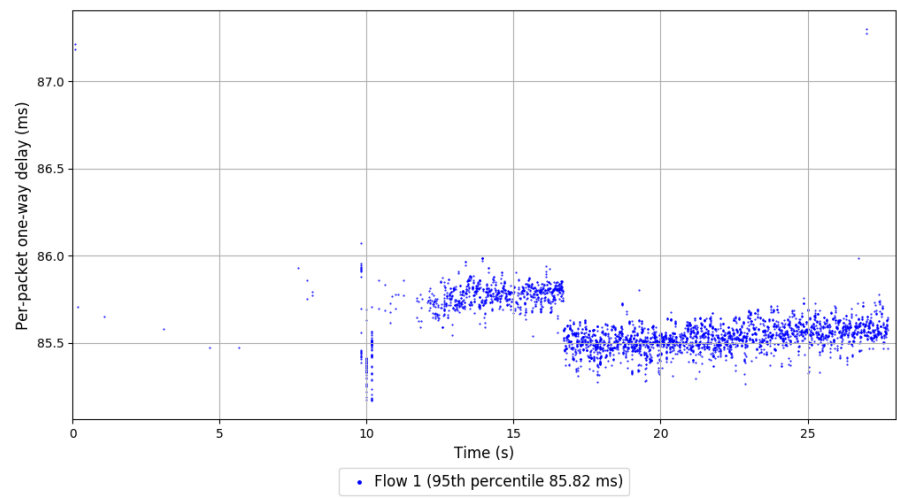
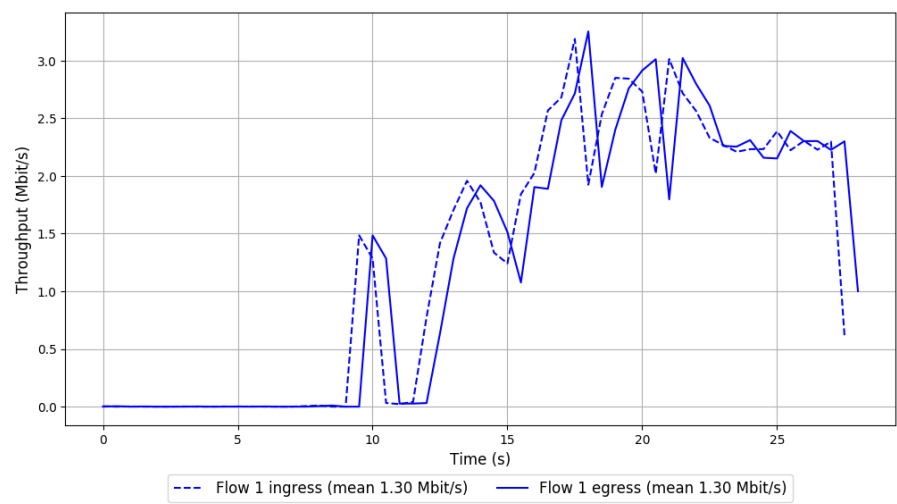


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-08 23:55:09
End at: 2018-08-08 23:55:39
Local clock offset: 25.794 ms
Remote clock offset: -18.182 ms

# Below is generated by plot.py at 2018-08-09 05:56:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 85.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 85.818 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

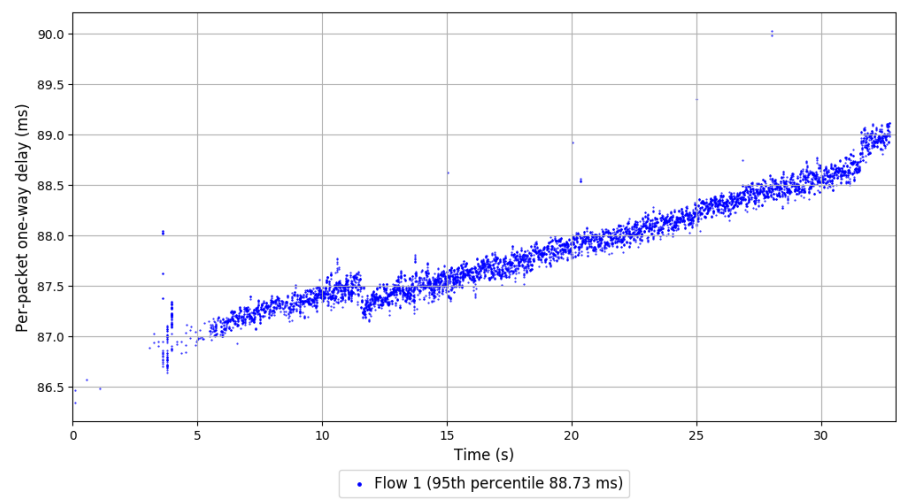
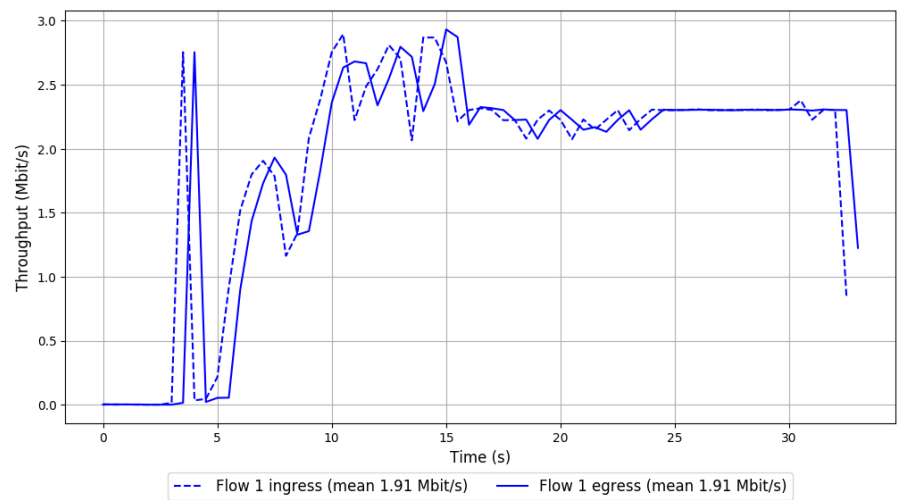


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 00:18:29
End at: 2018-08-09 00:18:59
Local clock offset: 21.983 ms
Remote clock offset: -51.317 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 88.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 88.727 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

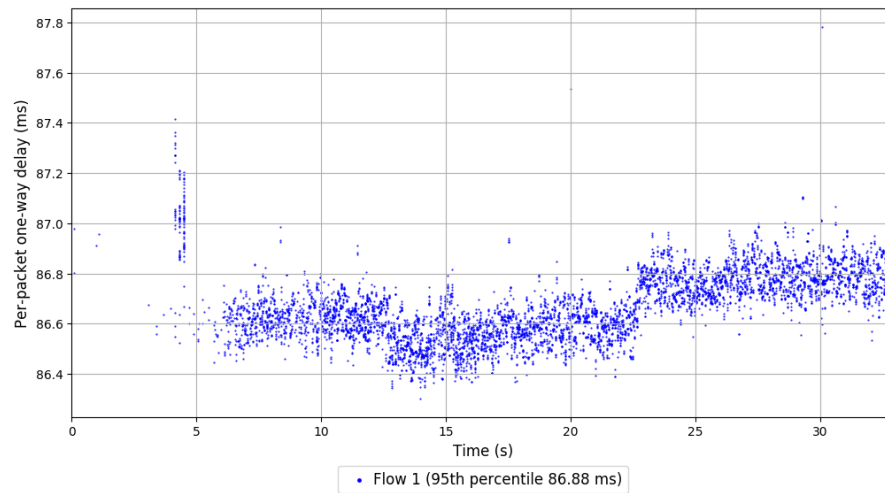
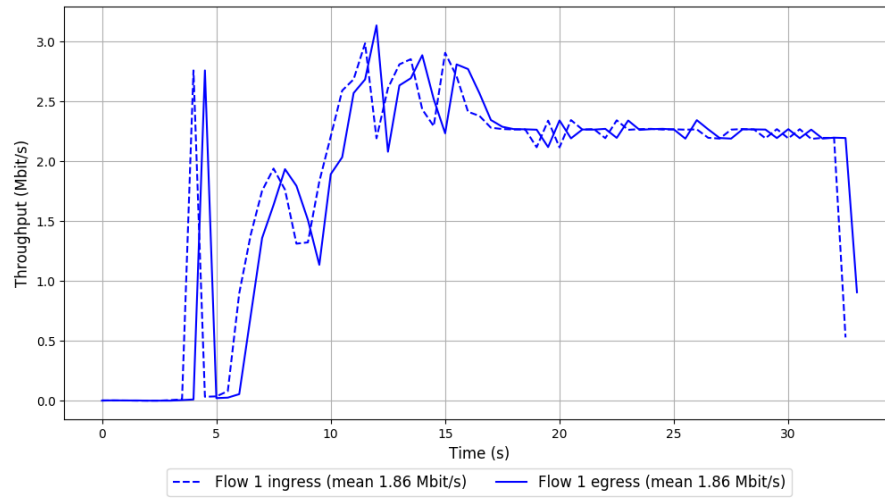


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 00:41:48
End at: 2018-08-09 00:42:18
Local clock offset: 30.401 ms
Remote clock offset: -20.247 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

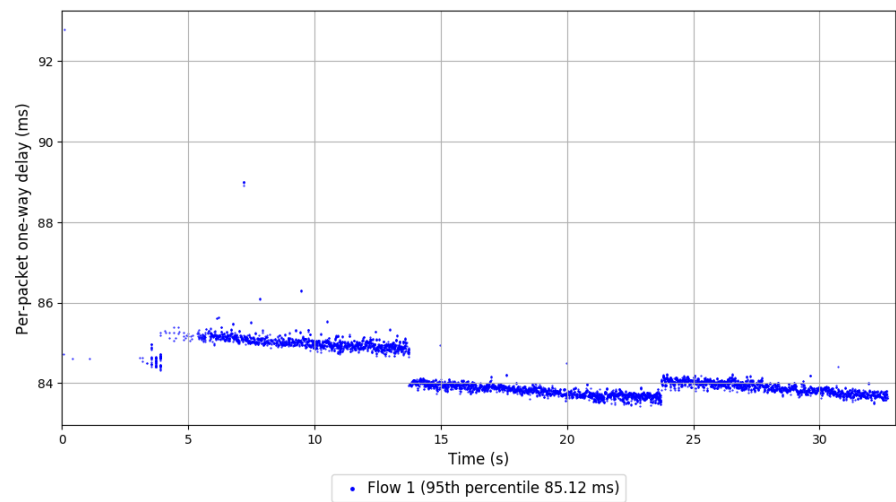
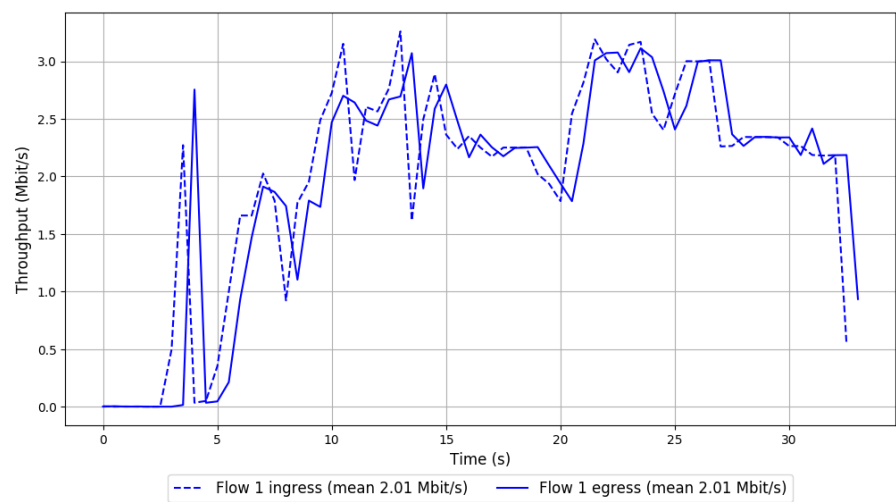


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 01:04:57
End at: 2018-08-09 01:05:27
Local clock offset: 42.369 ms
Remote clock offset: -33.264 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 85.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 85.124 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

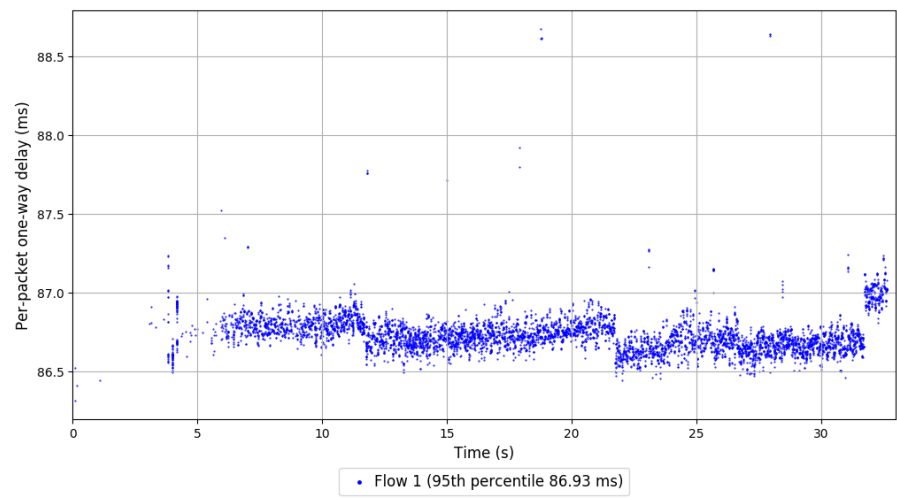
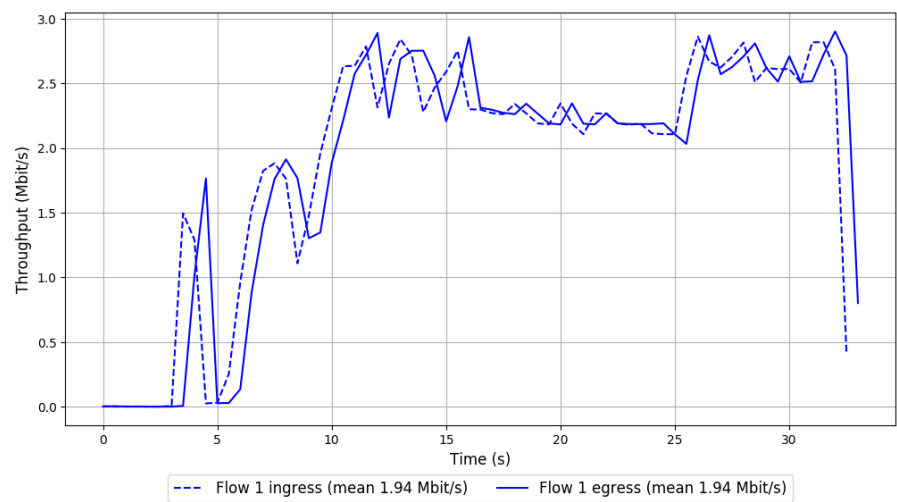


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 01:28:28
End at: 2018-08-09 01:28:58
Local clock offset: 23.734 ms
Remote clock offset: -14.76 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.933 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

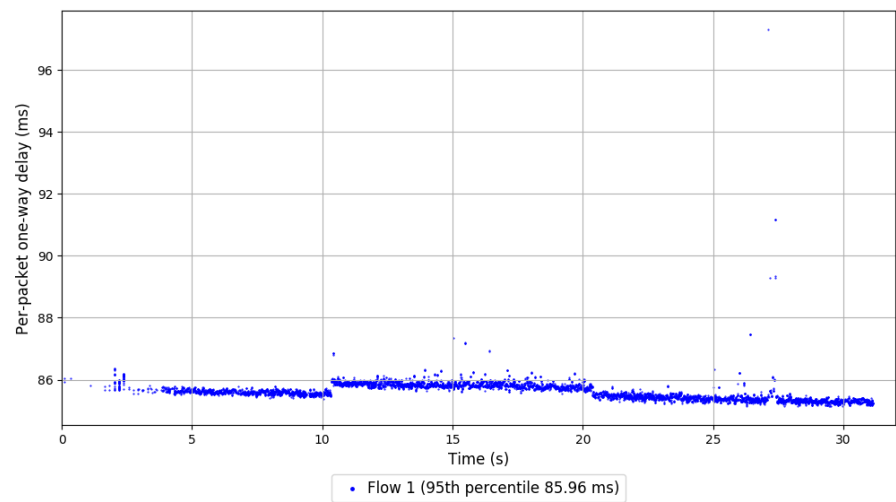
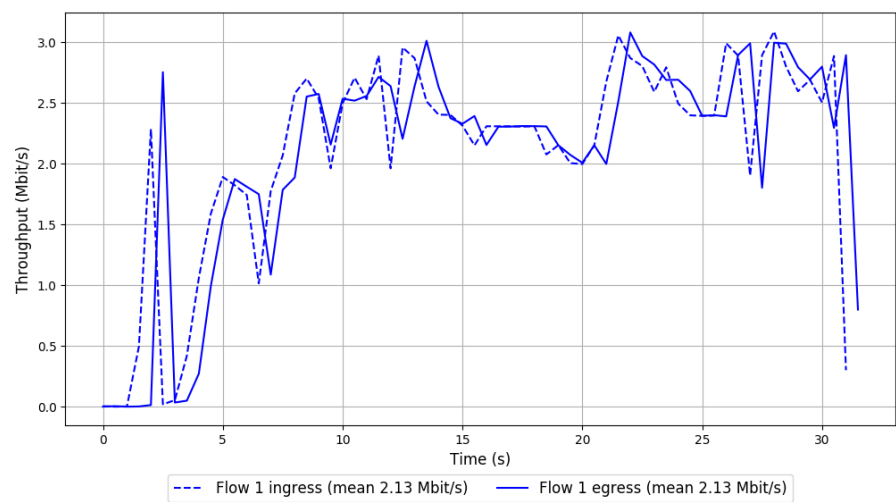


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 01:51:37
End at: 2018-08-09 01:52:08
Local clock offset: 7.476 ms
Remote clock offset: -9.394 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 85.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 85.956 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

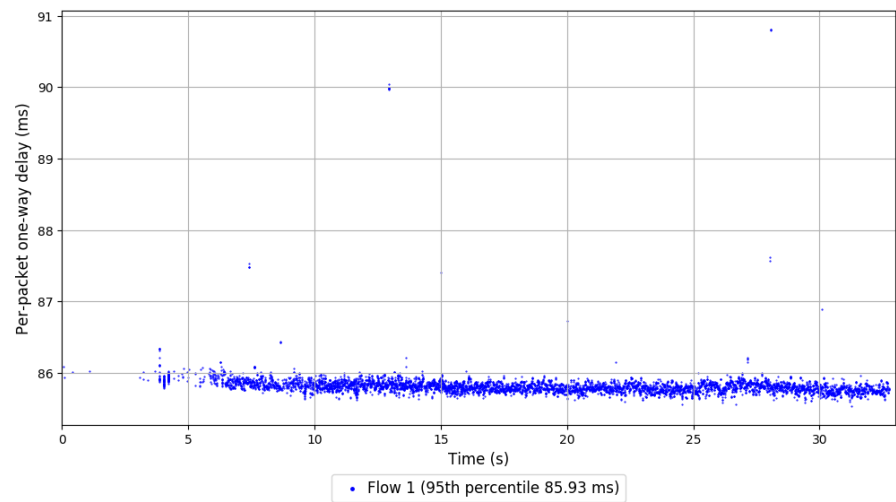
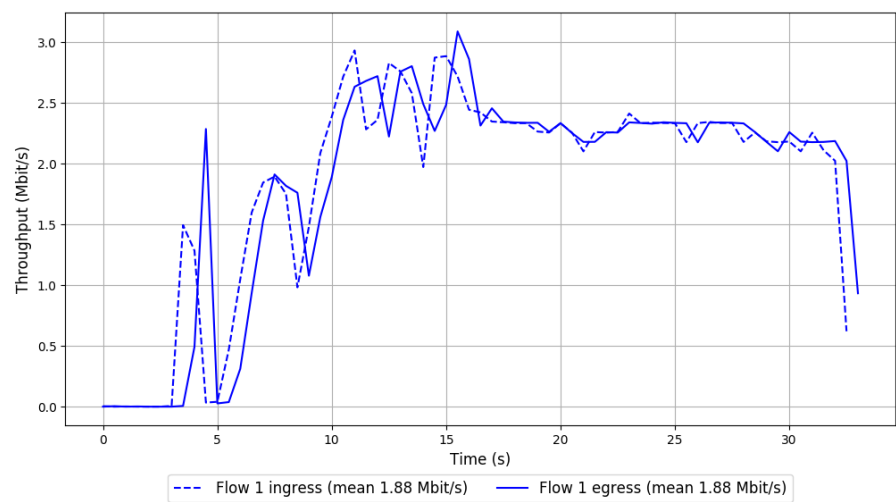


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 02:14:43
End at: 2018-08-09 02:15:13
Local clock offset: 4.257 ms
Remote clock offset: -4.298 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 85.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 85.932 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

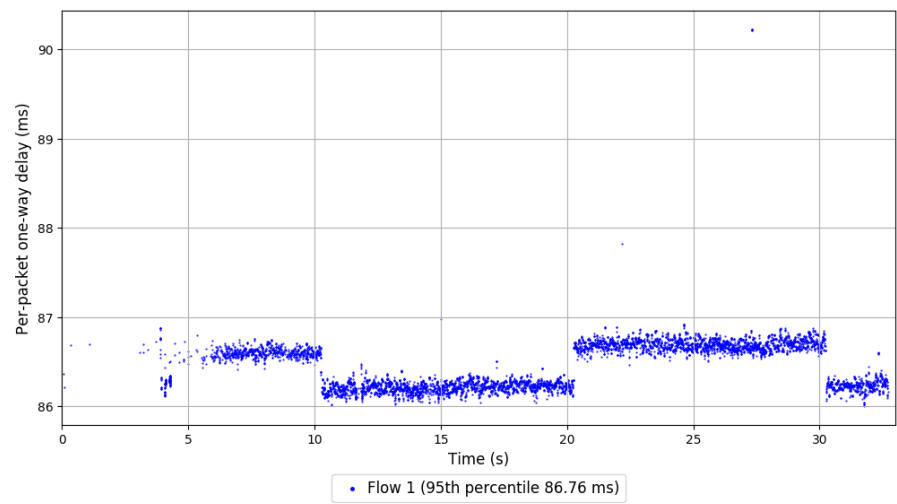
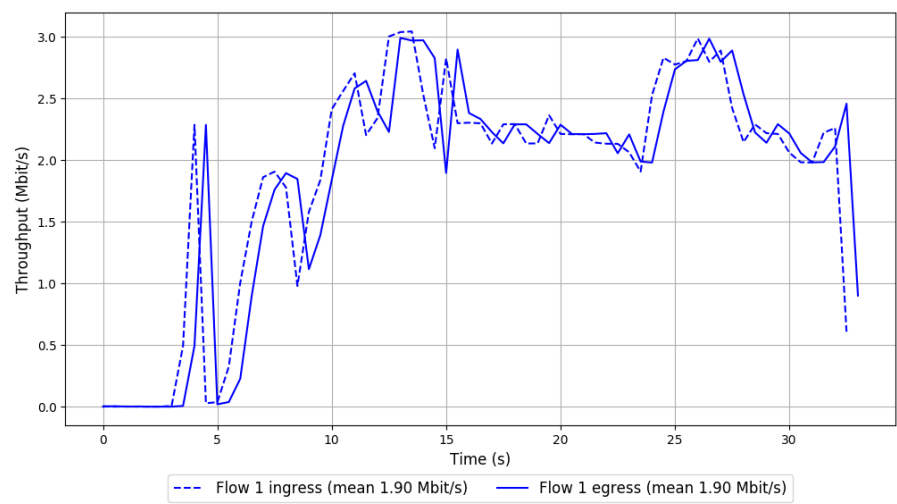


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 02:38:10
End at: 2018-08-09 02:38:40
Local clock offset: 2.515 ms
Remote clock offset: -1.593 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.764 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

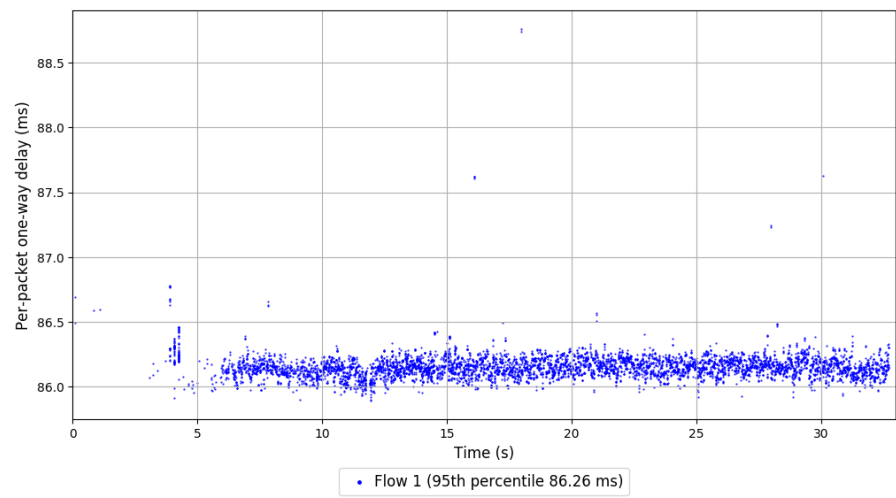
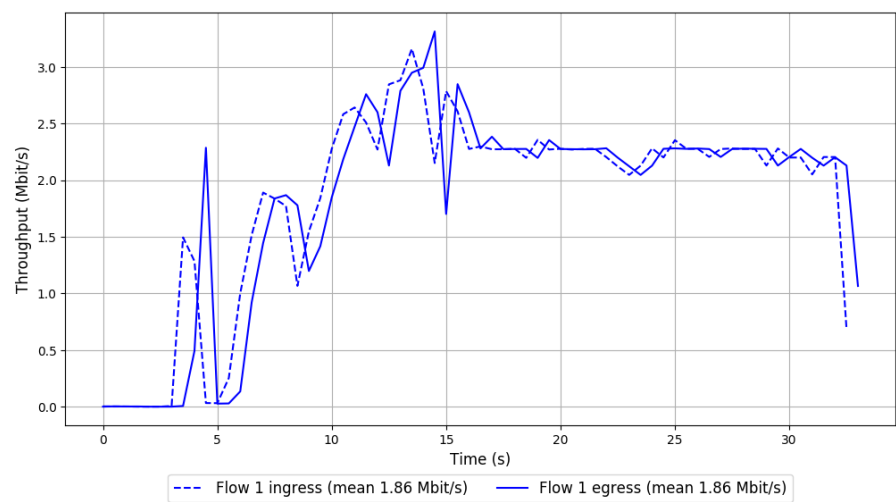


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 03:01:28
End at: 2018-08-09 03:01:58
Local clock offset: 0.963 ms
Remote clock offset: -1.055 ms

Below is generated by plot.py at 2018-08-09 05:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.262 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 03:25:08

End at: 2018-08-09 03:25:38

Local clock offset: 0.612 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-08-09 05:56:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.509 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.509 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

