

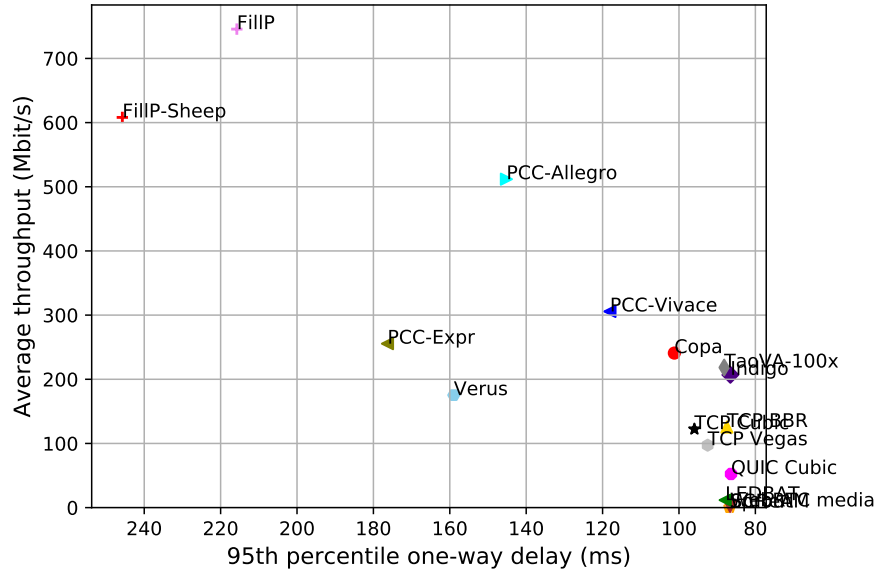
Pantheon Report

Generated at 2018-07-10 00:30:34 (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.

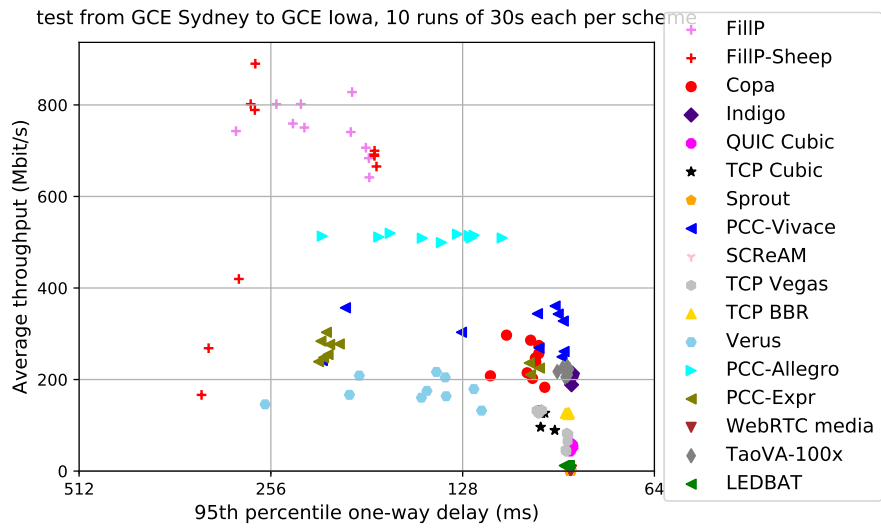
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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)



test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	125.63	87.46	0.01
Copa	10	240.82	101.21	0.01
TCP Cubic	10	122.27	95.96	0.01
FillP	10	745.69	215.75	6.58
FillP-Sheep	10	608.11	245.73	8.24
Indigo	10	206.91	86.55	0.00
LEDBAT	10	11.70	87.91	0.00
PCC-Allegro	10	511.84	145.18	0.90
PCC-Expr	10	255.49	176.32	0.70
QUIC Cubic	8	52.44	86.38	0.00
SCReAM	10	0.22	86.54	0.00
Sprout	10	0.24	86.76	0.00
TaoVA-100x	10	218.34	88.17	0.00
TCP Vegas	10	97.26	92.49	0.01
Verus	10	175.29	158.96	0.57
PCC-Vivace	10	305.71	118.08	0.06
WebRTC media	10	1.85	86.63	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-09 19:09:44

End at: 2018-07-09 19:10:14

Local clock offset: 0.015 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-09 22:54:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.76 Mbit/s

95th percentile per-packet one-way delay: 87.335 ms

Loss rate: 0.00%

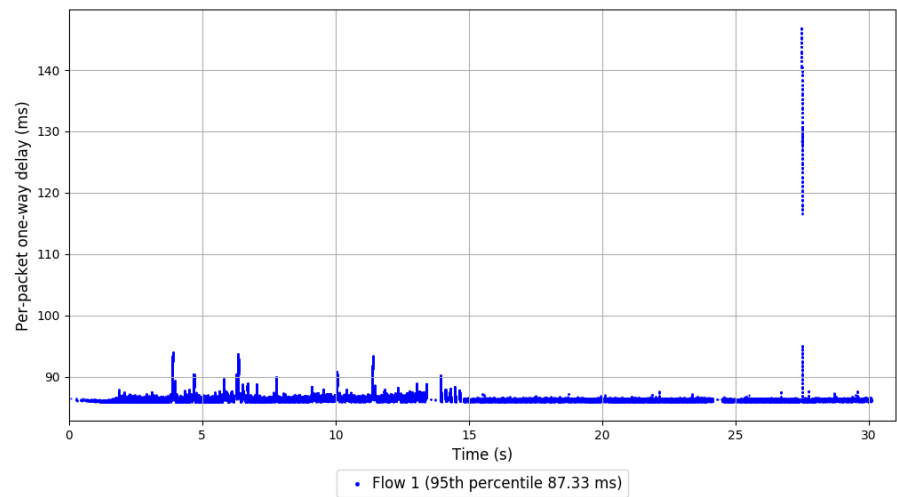
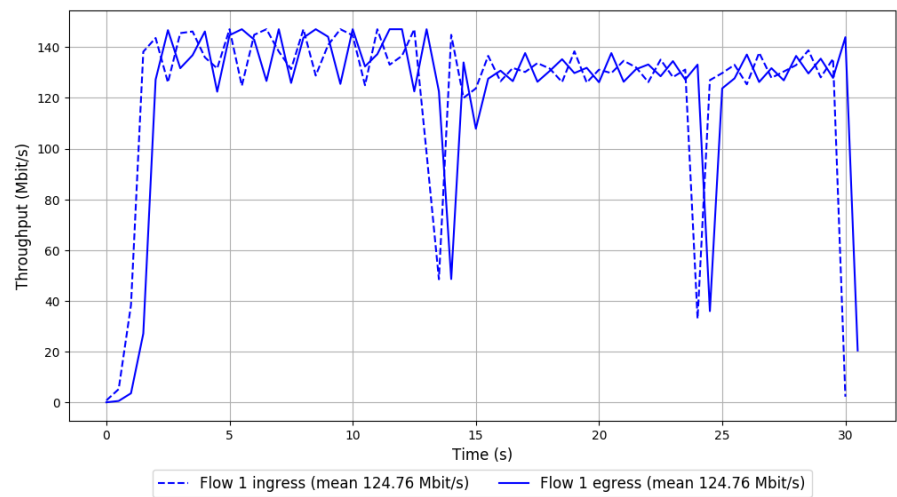
-- Flow 1:

Average throughput: 124.76 Mbit/s

95th percentile per-packet one-way delay: 87.335 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-09 19:32:14

End at: 2018-07-09 19:32:44

Local clock offset: 0.04 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-09 22:54:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.54 Mbit/s

95th percentile per-packet one-way delay: 87.603 ms

Loss rate: 0.00%

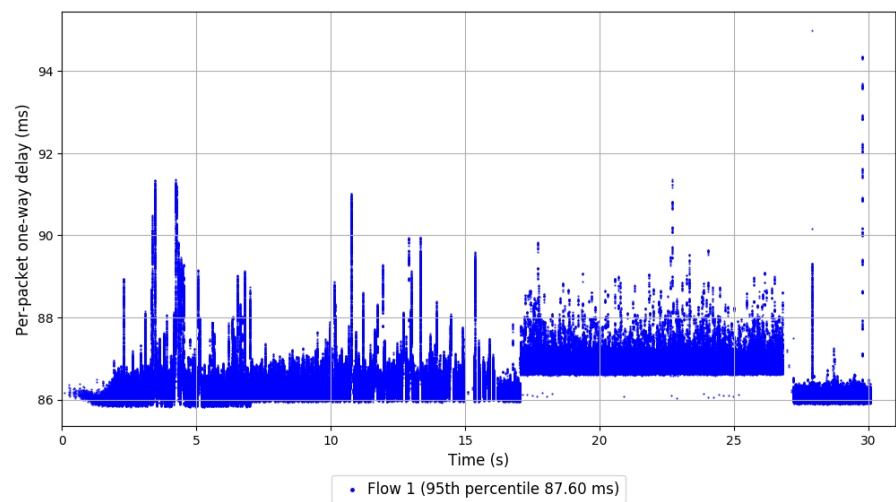
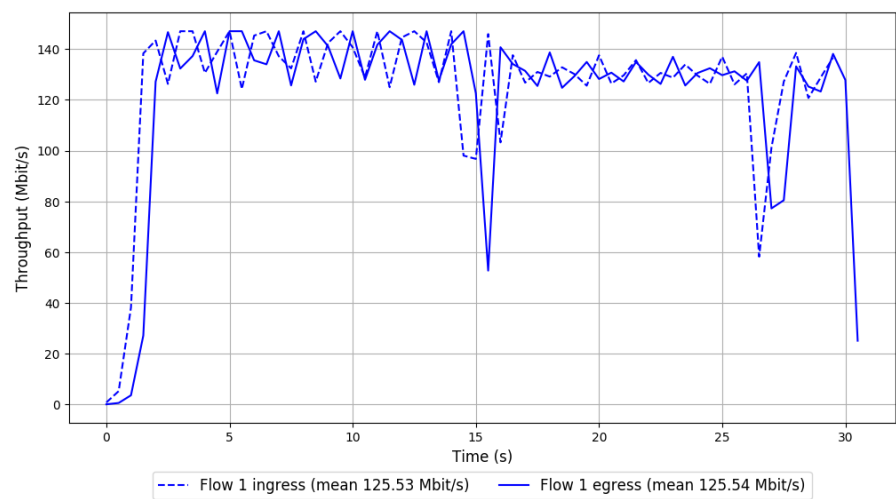
-- Flow 1:

Average throughput: 125.54 Mbit/s

95th percentile per-packet one-way delay: 87.603 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-09 19:54:42

End at: 2018-07-09 19:55:12

Local clock offset: 0.007 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-09 22:54:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.76 Mbit/s

95th percentile per-packet one-way delay: 87.389 ms

Loss rate: 0.00%

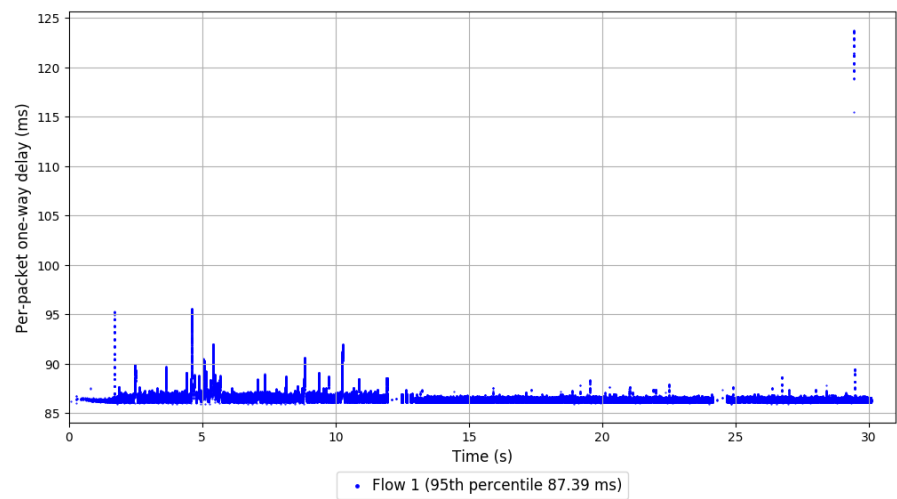
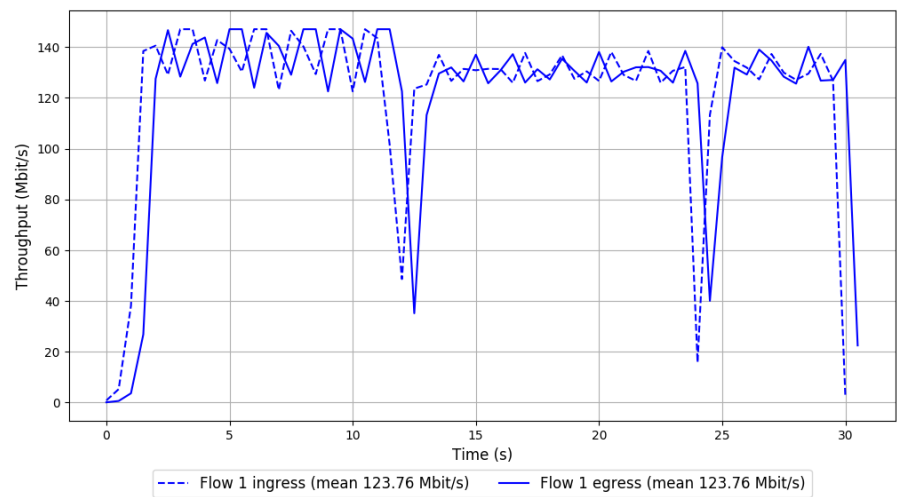
-- Flow 1:

Average throughput: 123.76 Mbit/s

95th percentile per-packet one-way delay: 87.389 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-09 20:17:27

End at: 2018-07-09 20:17:57

Local clock offset: 0.122 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-09 22:54:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.49 Mbit/s

95th percentile per-packet one-way delay: 87.594 ms

Loss rate: 0.00%

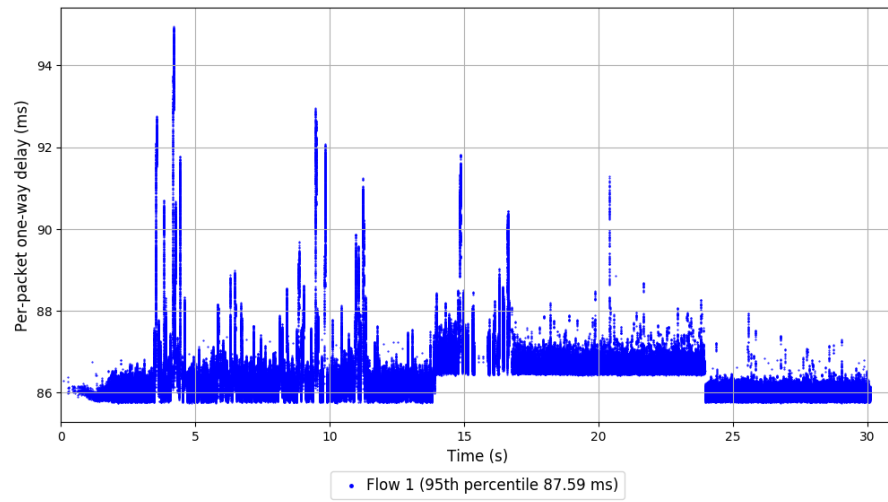
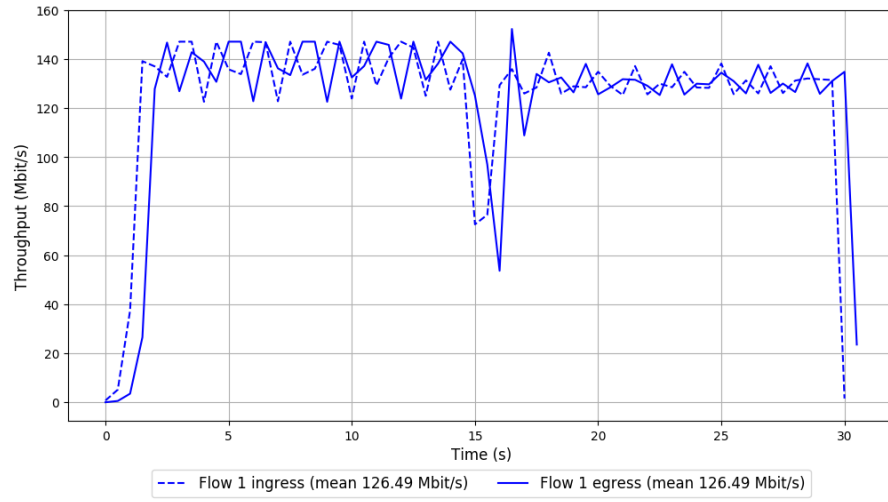
-- Flow 1:

Average throughput: 126.49 Mbit/s

95th percentile per-packet one-way delay: 87.594 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-09 20:39:54

End at: 2018-07-09 20:40:24

Local clock offset: -0.242 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-09 22:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.41 Mbit/s

95th percentile per-packet one-way delay: 88.267 ms

Loss rate: 0.00%

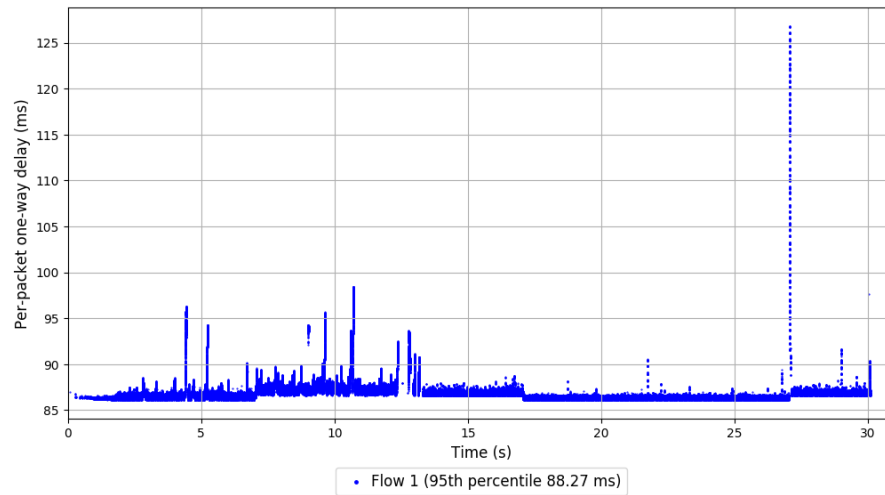
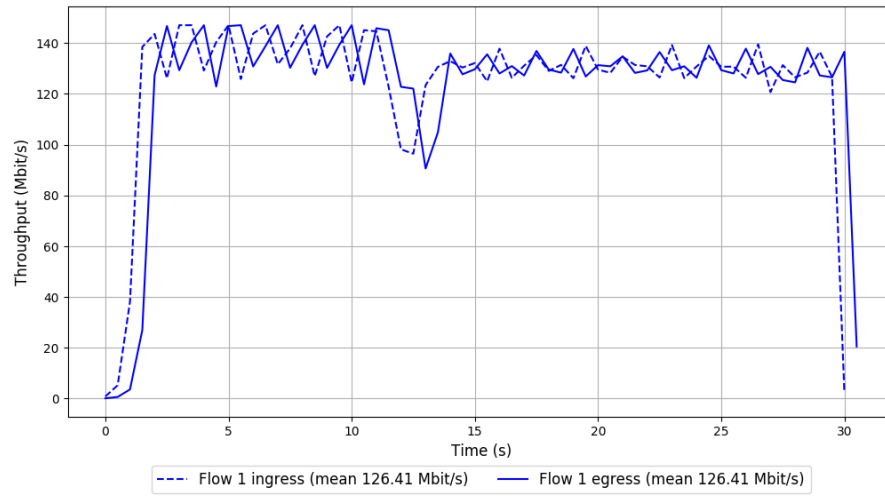
-- Flow 1:

Average throughput: 126.41 Mbit/s

95th percentile per-packet one-way delay: 88.267 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-09 21:02:23

End at: 2018-07-09 21:02:53

Local clock offset: -0.063 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-09 22:54:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.99 Mbit/s

95th percentile per-packet one-way delay: 87.343 ms

Loss rate: 0.00%

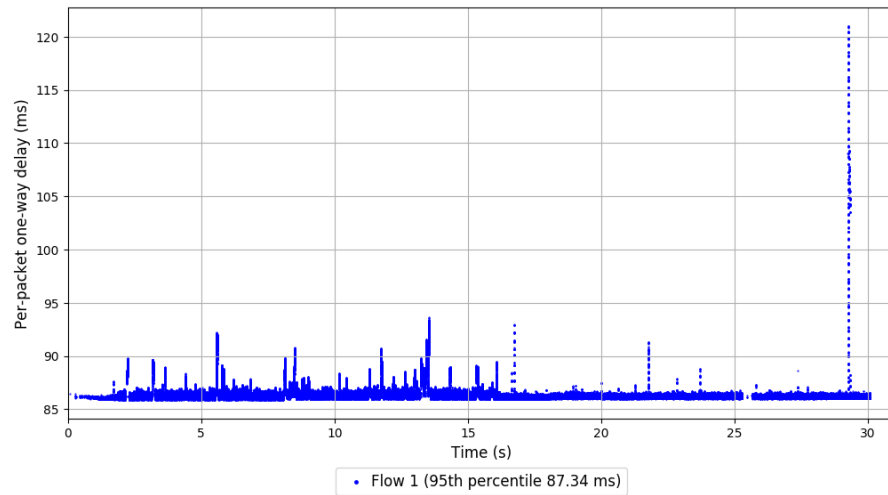
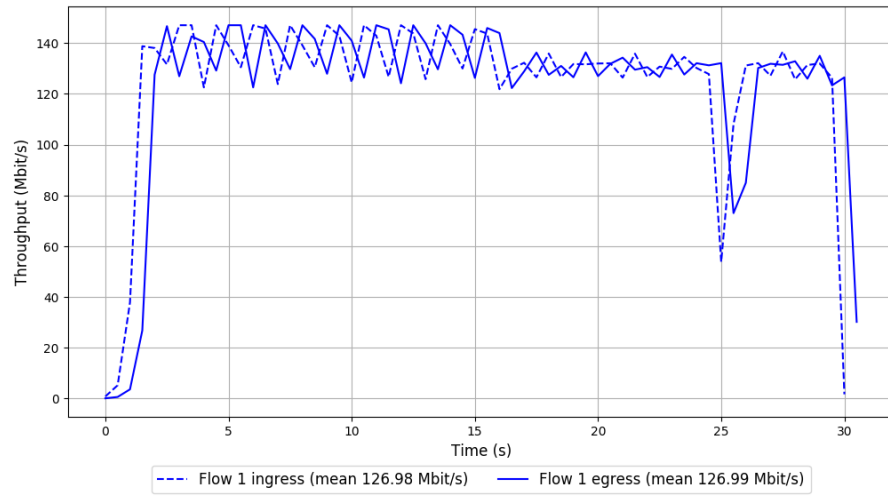
-- Flow 1:

Average throughput: 126.99 Mbit/s

95th percentile per-packet one-way delay: 87.343 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-09 21:24:30

End at: 2018-07-09 21:25:00

Local clock offset: -0.192 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-09 22:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.57 Mbit/s

95th percentile per-packet one-way delay: 87.428 ms

Loss rate: 0.00%

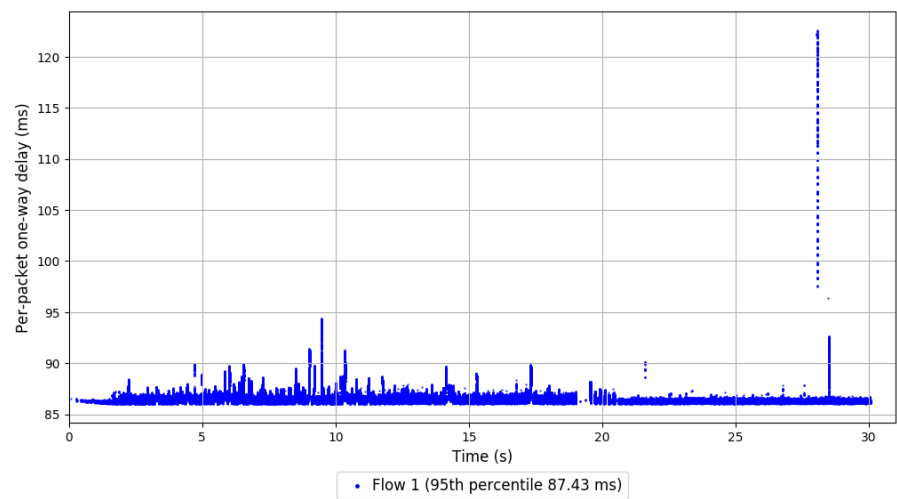
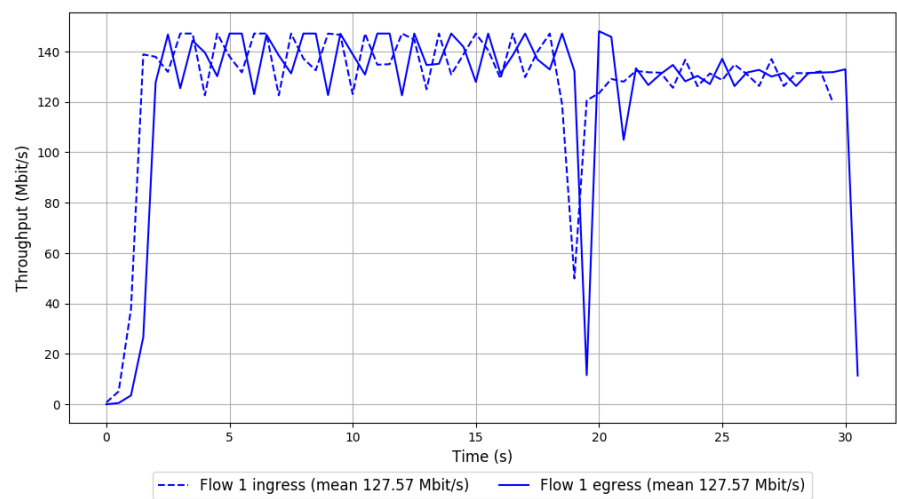
-- Flow 1:

Average throughput: 127.57 Mbit/s

95th percentile per-packet one-way delay: 87.428 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-09 21:47:03

End at: 2018-07-09 21:47:33

Local clock offset: -0.172 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-09 22:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.71 Mbit/s

95th percentile per-packet one-way delay: 87.285 ms

Loss rate: 0.00%

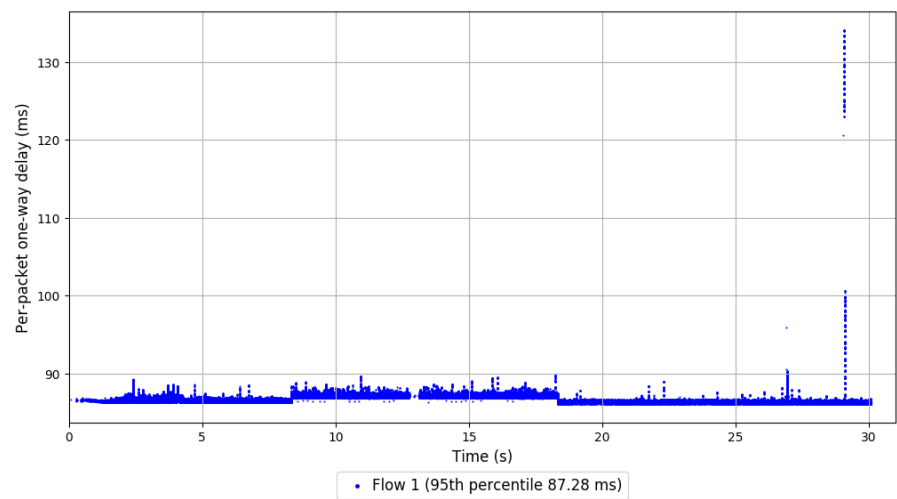
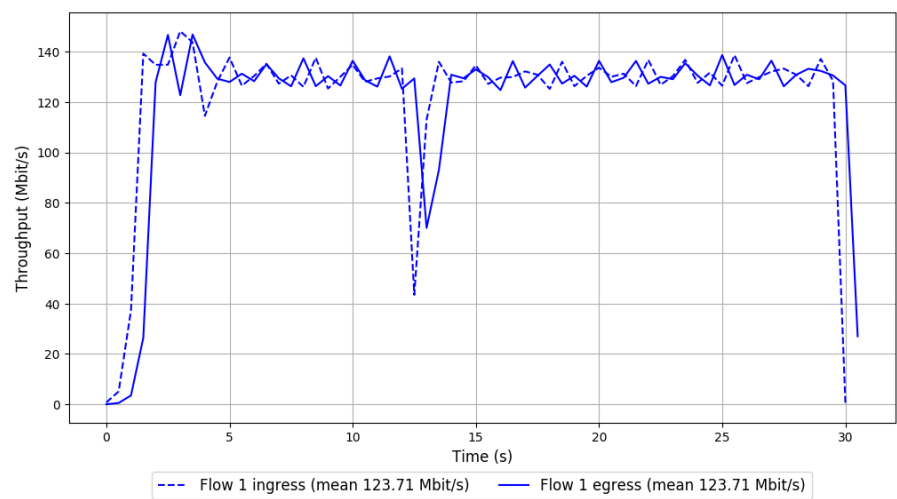
-- Flow 1:

Average throughput: 123.71 Mbit/s

95th percentile per-packet one-way delay: 87.285 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-09 22:09:30

End at: 2018-07-09 22:10:00

Local clock offset: -0.045 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-09 22:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.62 Mbit/s

95th percentile per-packet one-way delay: 87.109 ms

Loss rate: 0.00%

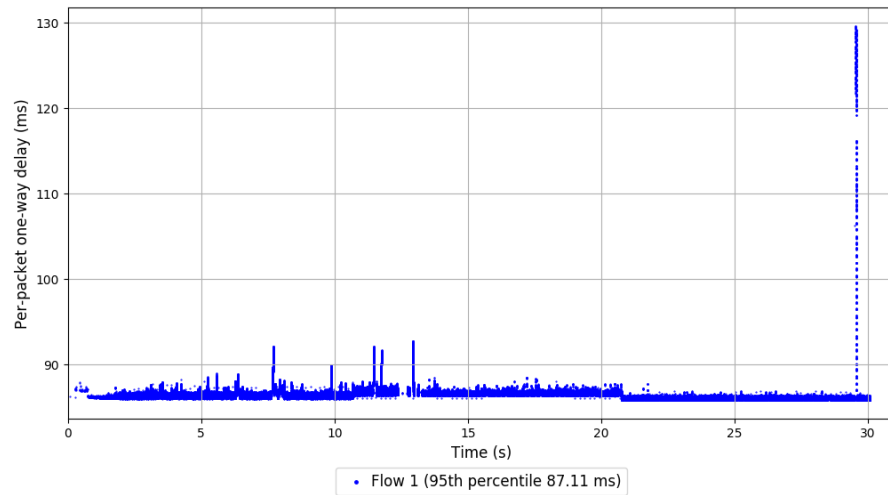
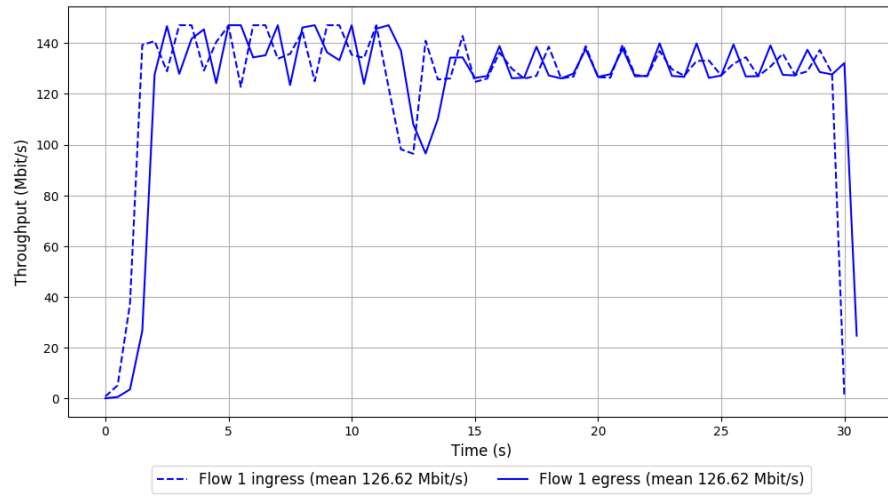
-- Flow 1:

Average throughput: 126.62 Mbit/s

95th percentile per-packet one-way delay: 87.109 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-09 22:31:39

End at: 2018-07-09 22:32:09

Local clock offset: -0.16 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-09 22:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.43 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.11%

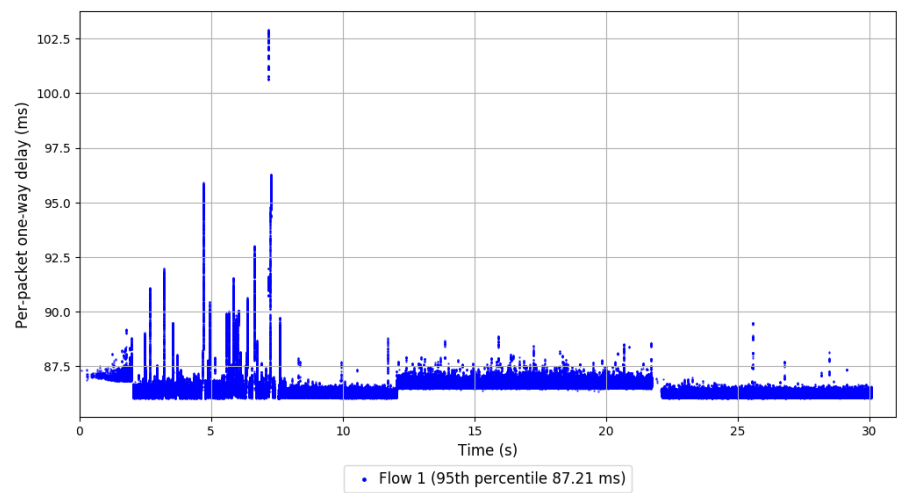
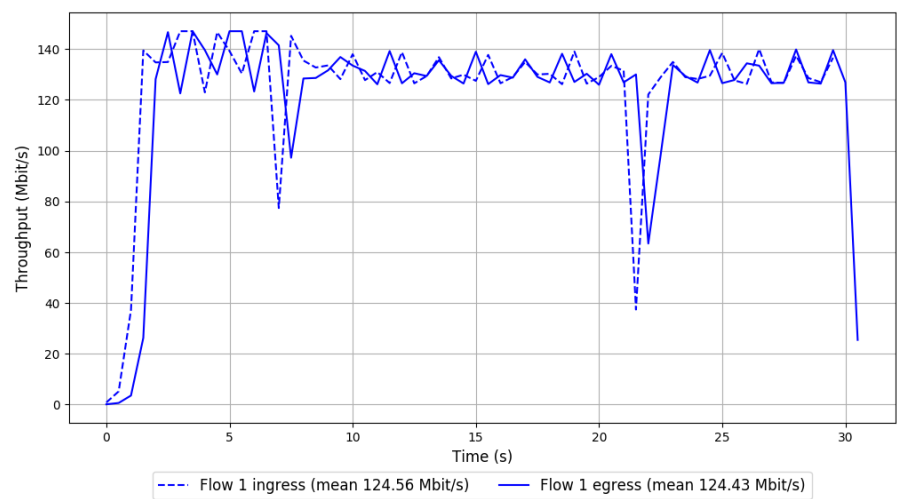
-- Flow 1:

Average throughput: 124.43 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.11%

Run 10: Report of TCP BBR — Data Link

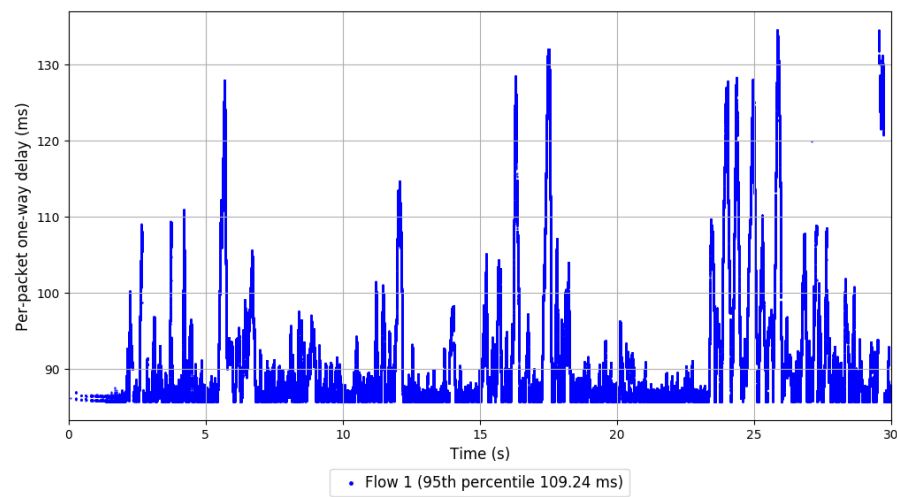
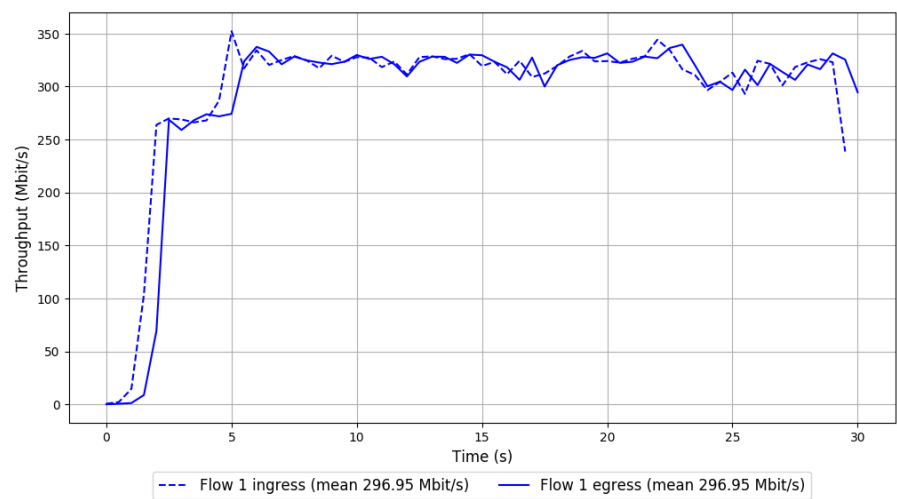


Run 1: Statistics of Copa

Start at: 2018-07-09 19:02:10
End at: 2018-07-09 19:02:40
Local clock offset: 0.031 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-09 23:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.95 Mbit/s
95th percentile per-packet one-way delay: 109.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 296.95 Mbit/s
95th percentile per-packet one-way delay: 109.236 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-09 19:24:41

End at: 2018-07-09 19:25:11

Local clock offset: 0.014 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-09 23:03:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.91 Mbit/s

95th percentile per-packet one-way delay: 98.411 ms

Loss rate: 0.00%

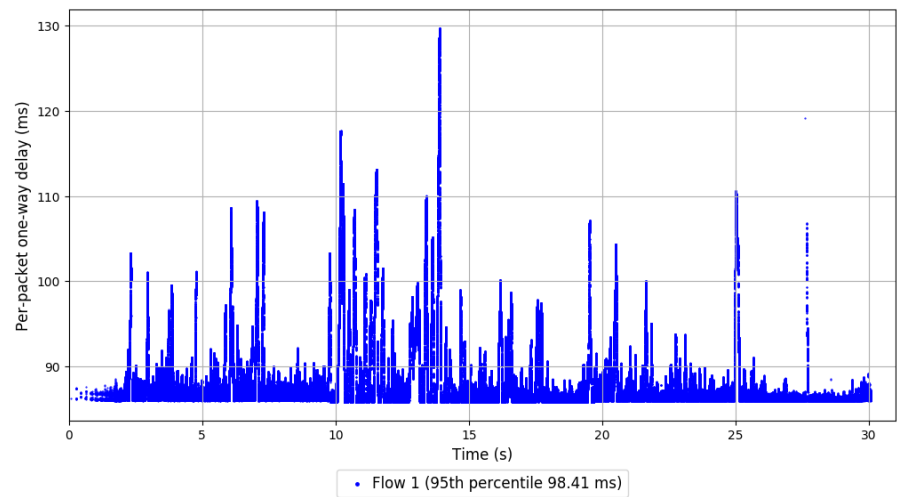
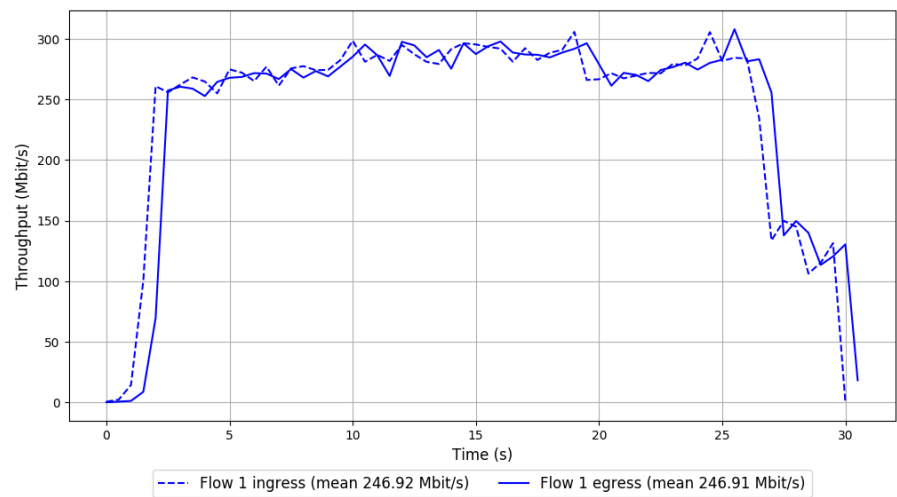
-- Flow 1:

Average throughput: 246.91 Mbit/s

95th percentile per-packet one-way delay: 98.411 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

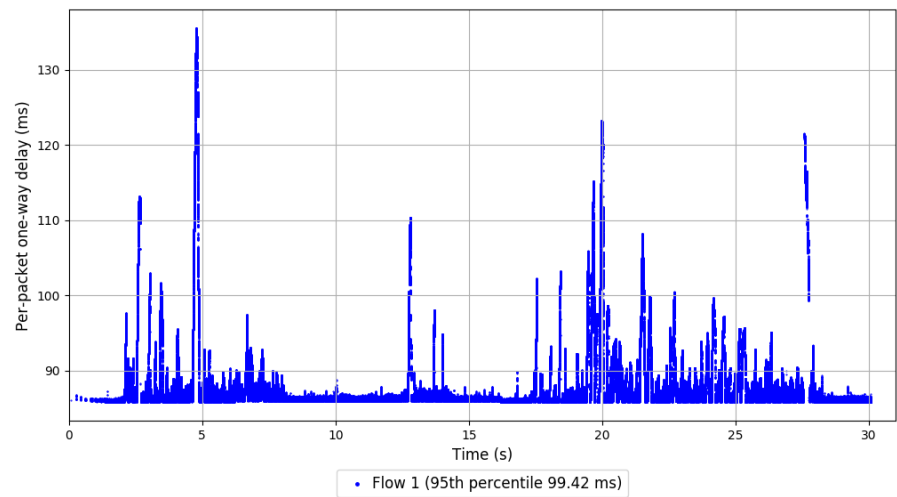
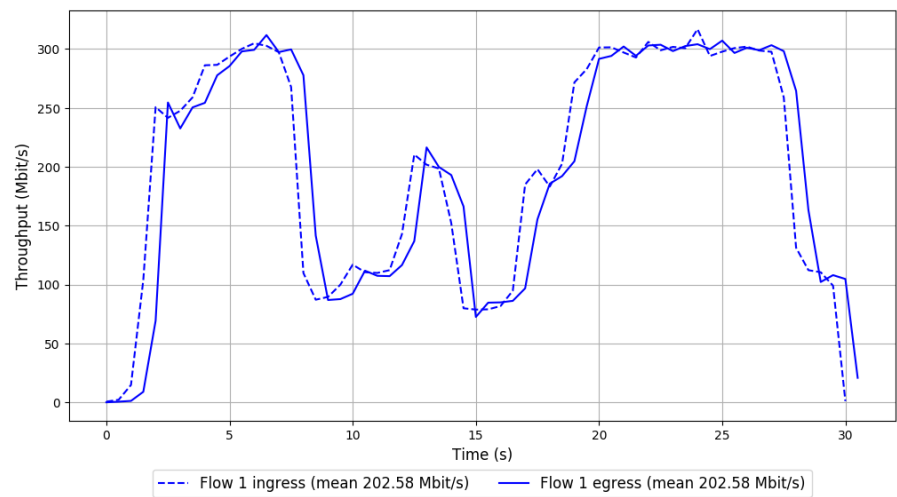


Run 3: Statistics of Copa

Start at: 2018-07-09 19:47:15
End at: 2018-07-09 19:47:45
Local clock offset: 0.085 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-09 23:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.58 Mbit/s
95th percentile per-packet one-way delay: 99.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.58 Mbit/s
95th percentile per-packet one-way delay: 99.422 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-09 20:09:53

End at: 2018-07-09 20:10:23

Local clock offset: 0.142 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-09 23:03:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.70 Mbit/s

95th percentile per-packet one-way delay: 98.276 ms

Loss rate: 0.00%

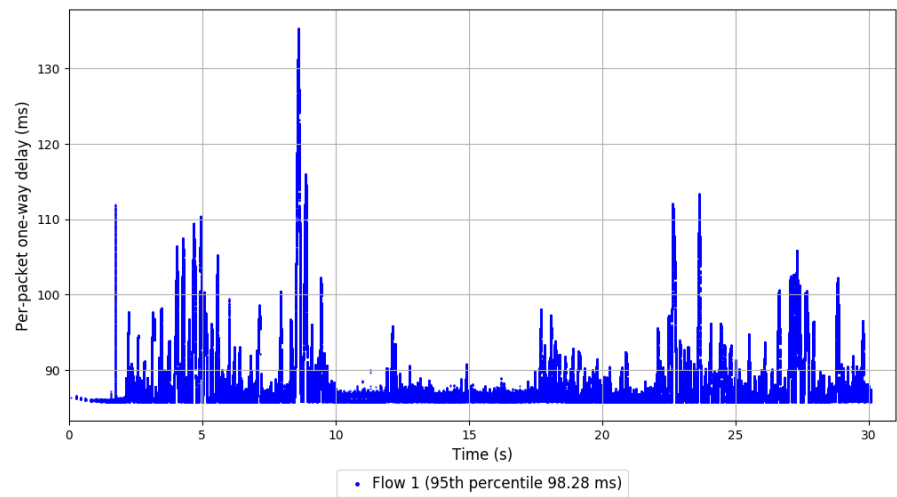
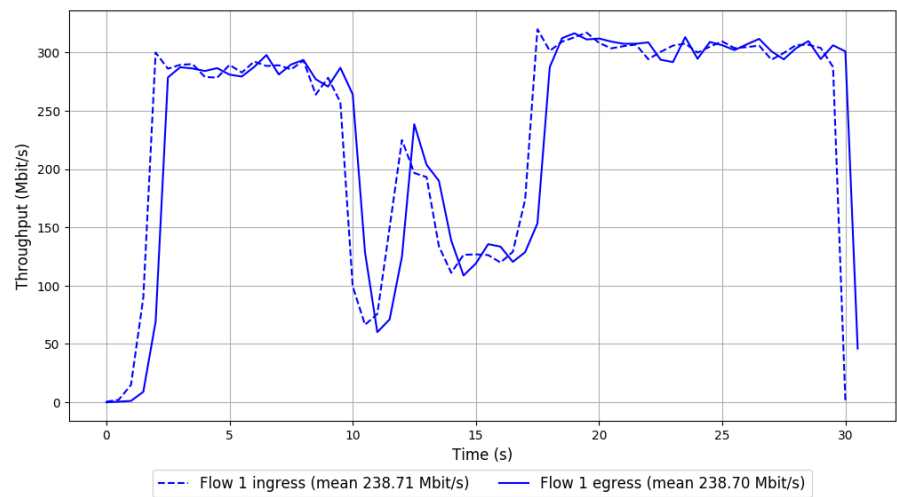
-- Flow 1:

Average throughput: 238.70 Mbit/s

95th percentile per-packet one-way delay: 98.276 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-09 20:32:26

End at: 2018-07-09 20:32:56

Local clock offset: 0.068 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-09 23:03:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.05 Mbit/s

95th percentile per-packet one-way delay: 95.135 ms

Loss rate: 0.00%

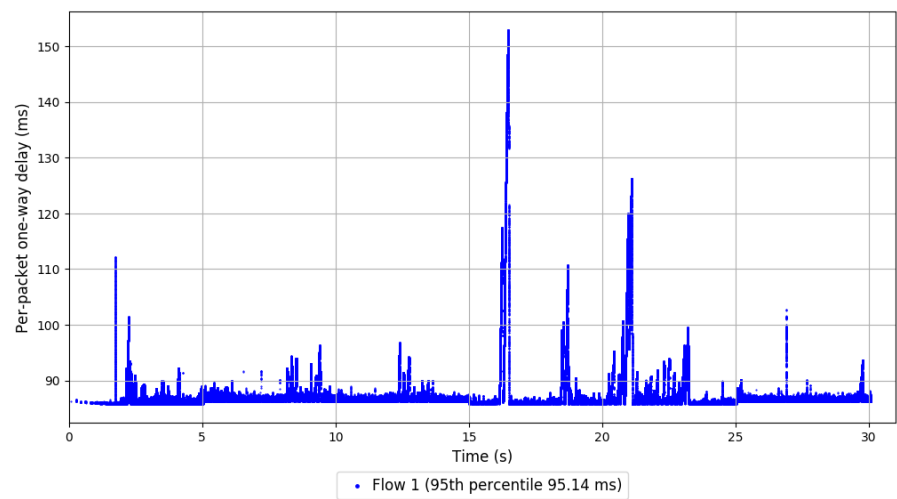
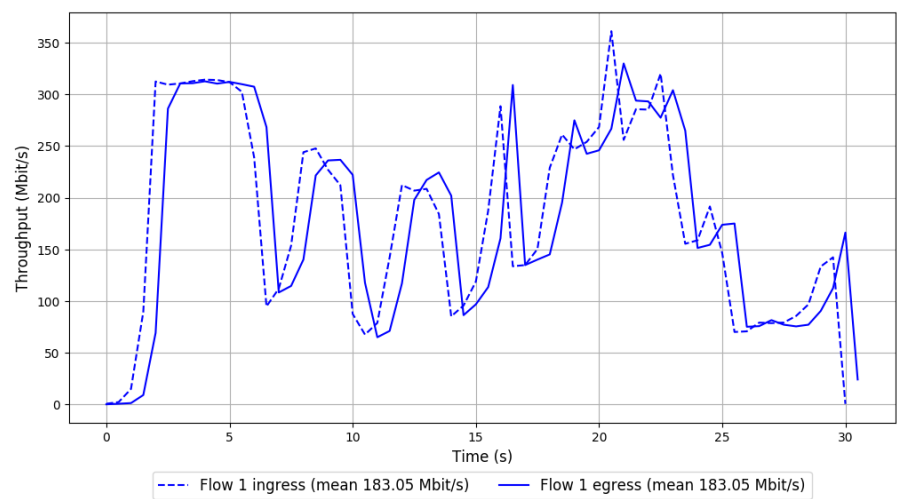
-- Flow 1:

Average throughput: 183.05 Mbit/s

95th percentile per-packet one-way delay: 95.135 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-09 20:54:49

End at: 2018-07-09 20:55:19

Local clock offset: -0.15 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-09 23:03:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.93 Mbit/s

95th percentile per-packet one-way delay: 97.195 ms

Loss rate: 0.00%

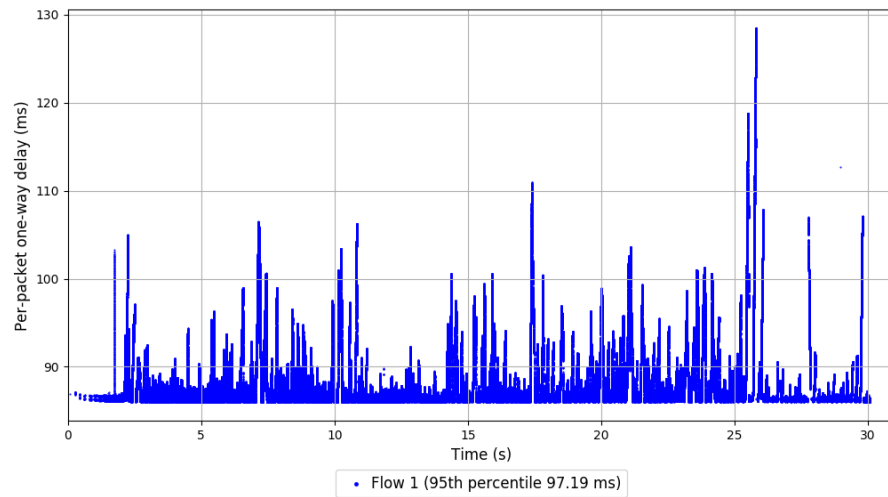
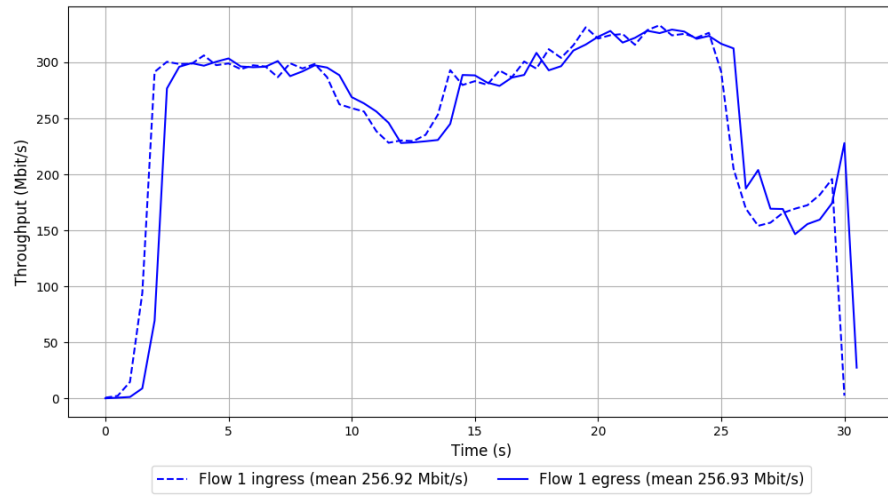
-- Flow 1:

Average throughput: 256.93 Mbit/s

95th percentile per-packet one-way delay: 97.195 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

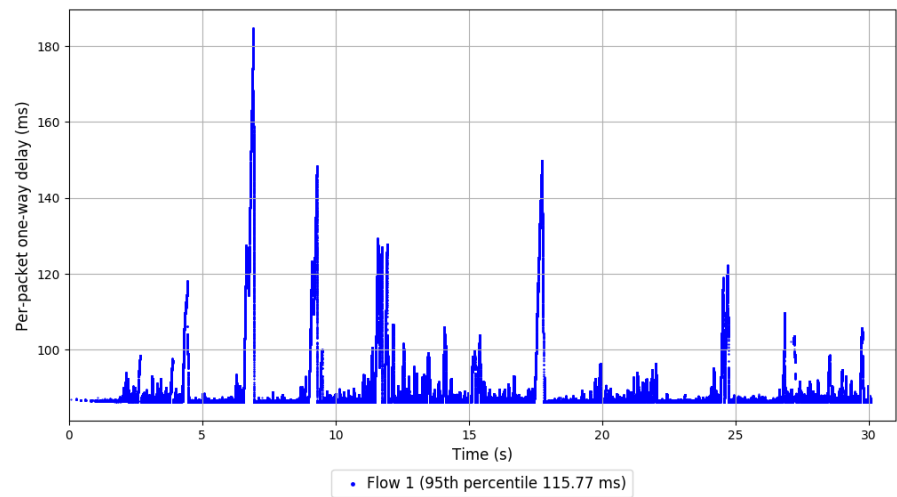
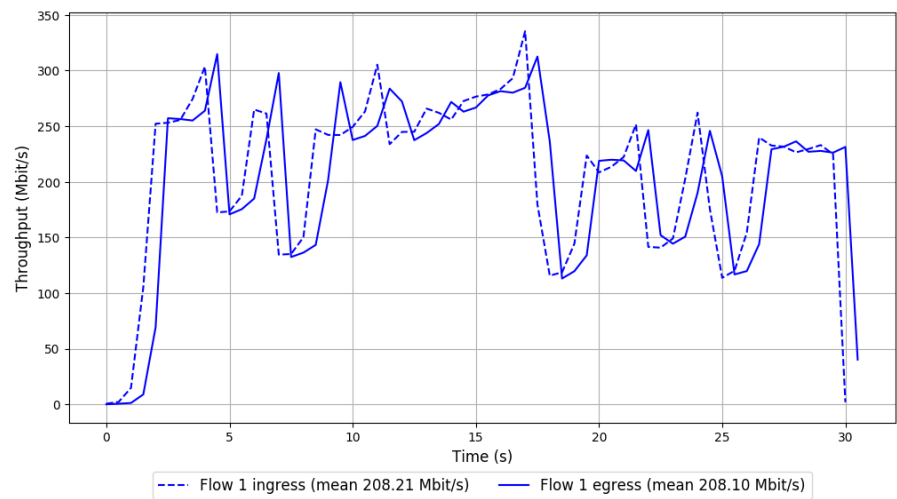


Run 7: Statistics of Copa

Start at: 2018-07-09 21:16:59
End at: 2018-07-09 21:17:29
Local clock offset: -0.295 ms
Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-09 23:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.10 Mbit/s
95th percentile per-packet one-way delay: 115.774 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 208.10 Mbit/s
95th percentile per-packet one-way delay: 115.774 ms
Loss rate: 0.05%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-09 21:39:29

End at: 2018-07-09 21:39:59

Local clock offset: -0.033 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-09 23:05:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.37 Mbit/s

95th percentile per-packet one-way delay: 97.174 ms

Loss rate: 0.00%

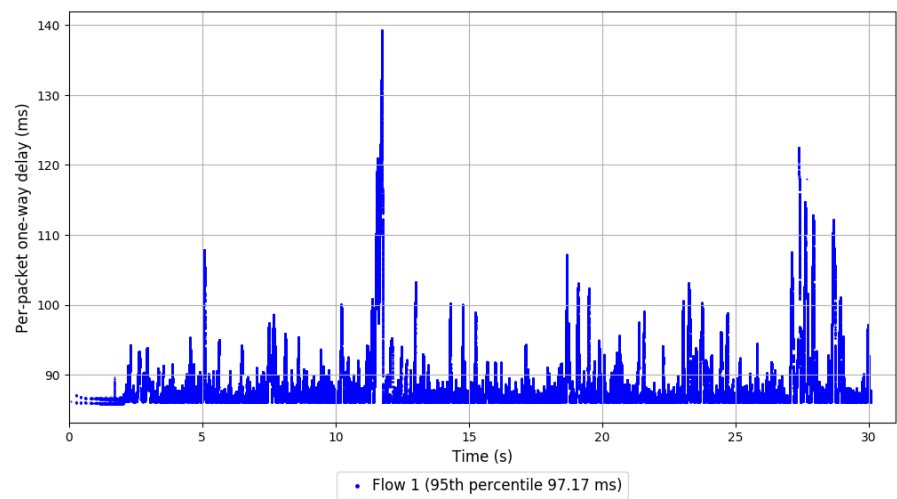
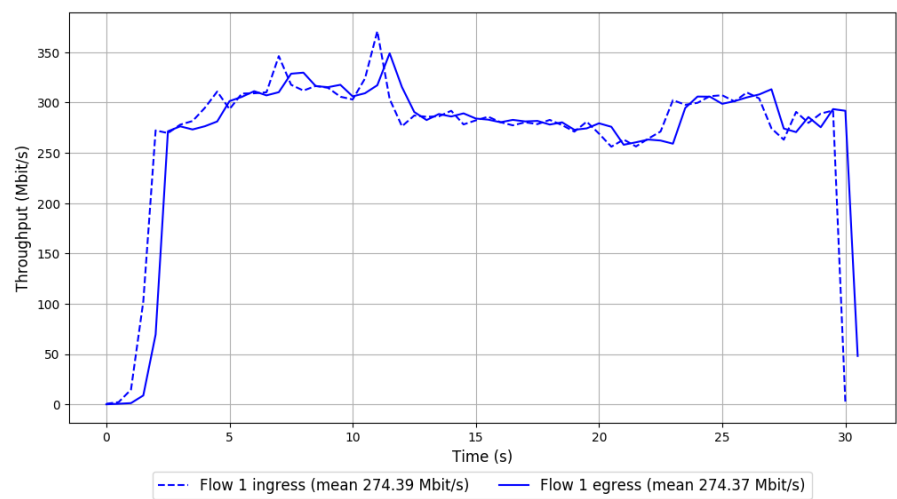
-- Flow 1:

Average throughput: 274.37 Mbit/s

95th percentile per-packet one-way delay: 97.174 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-09 22:02:00

End at: 2018-07-09 22:02:30

Local clock offset: -0.064 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-09 23:07:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.76 Mbit/s

95th percentile per-packet one-way delay: 101.373 ms

Loss rate: 0.01%

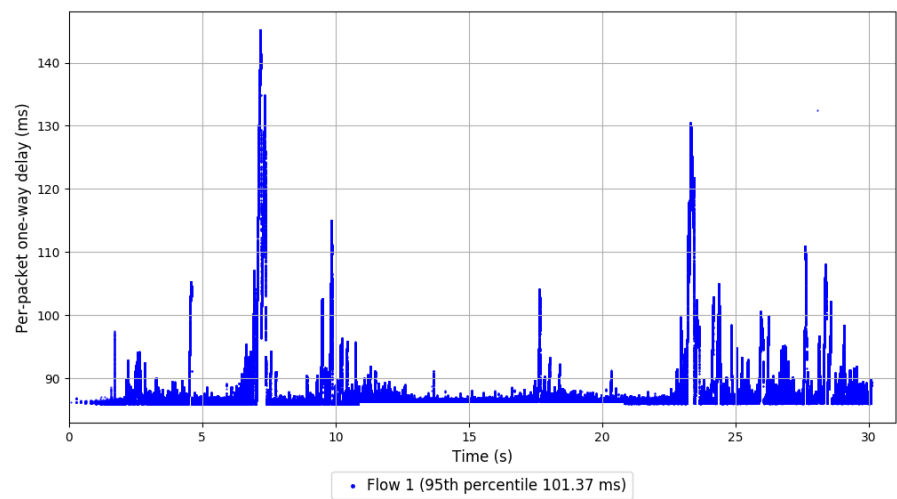
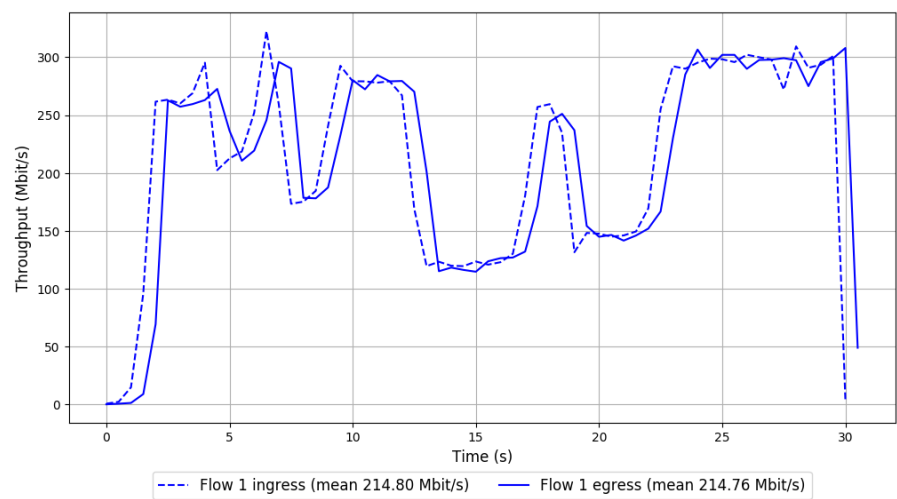
-- Flow 1:

Average throughput: 214.76 Mbit/s

95th percentile per-packet one-way delay: 101.373 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-09 22:24:05

End at: 2018-07-09 22:24:35

Local clock offset: -0.188 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.88 Mbit/s

95th percentile per-packet one-way delay: 100.107 ms

Loss rate: 0.00%

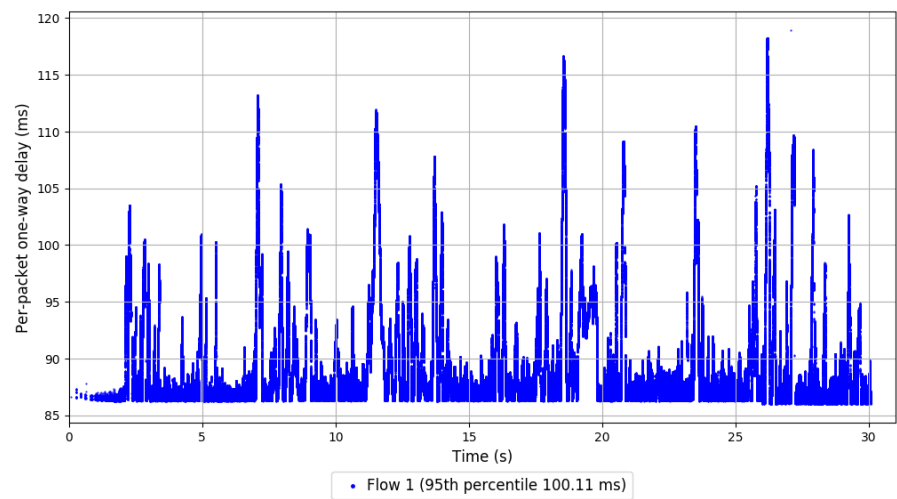
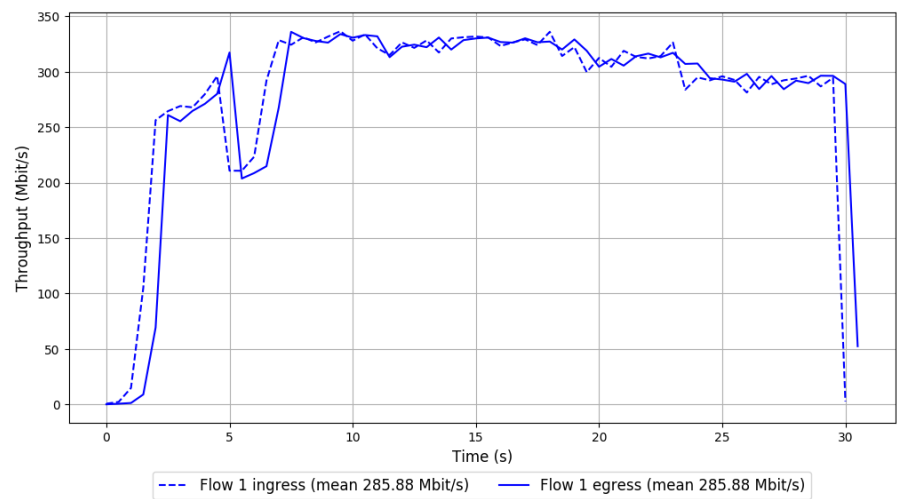
-- Flow 1:

Average throughput: 285.88 Mbit/s

95th percentile per-packet one-way delay: 100.107 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

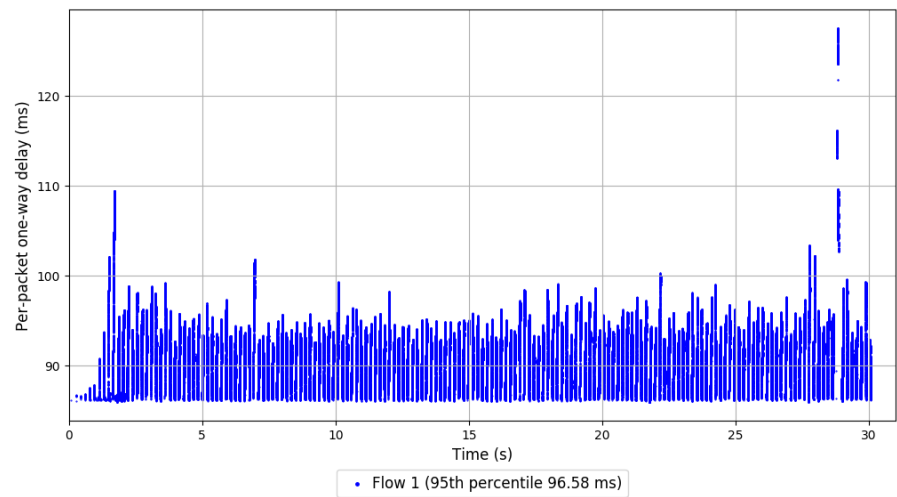
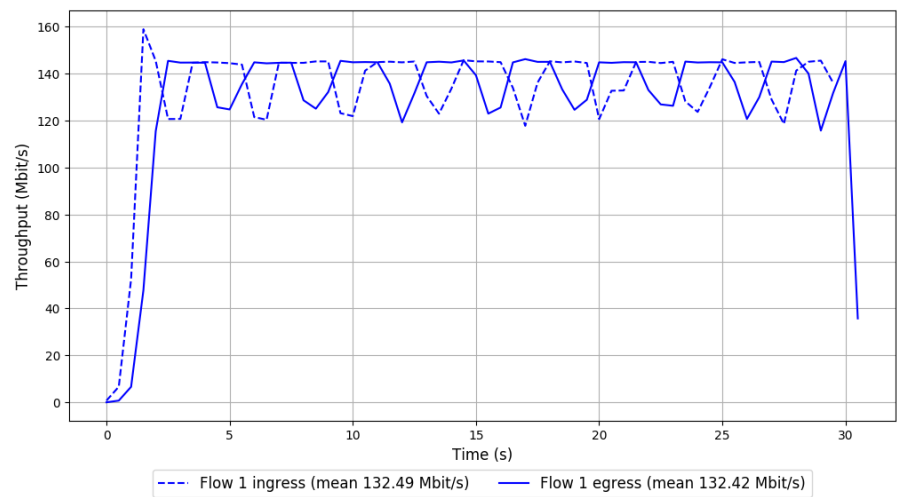


Run 1: Statistics of TCP Cubic

Start at: 2018-07-09 19:06:17
End at: 2018-07-09 19:06:47
Local clock offset: -0.016 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-09 23:09:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.42 Mbit/s
95th percentile per-packet one-way delay: 96.582 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 132.42 Mbit/s
95th percentile per-packet one-way delay: 96.582 ms
Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-09 19:28:44

End at: 2018-07-09 19:29:14

Local clock offset: 0.017 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.81 Mbit/s

95th percentile per-packet one-way delay: 95.091 ms

Loss rate: 0.00%

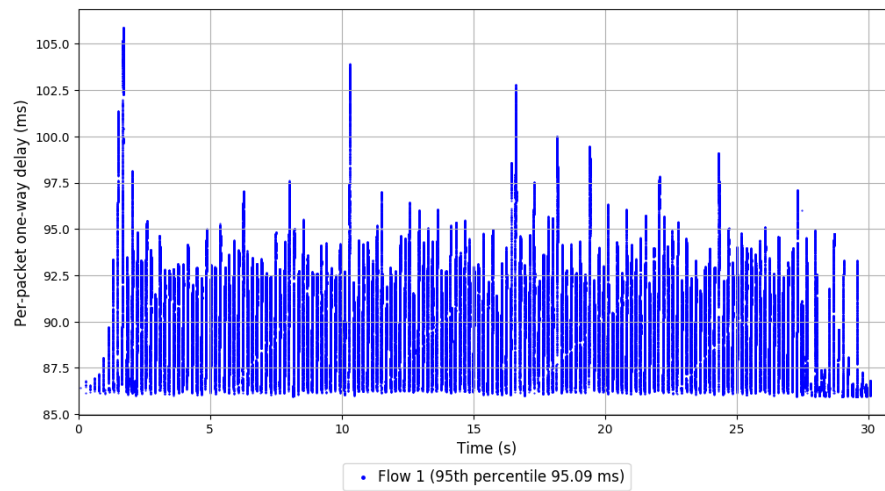
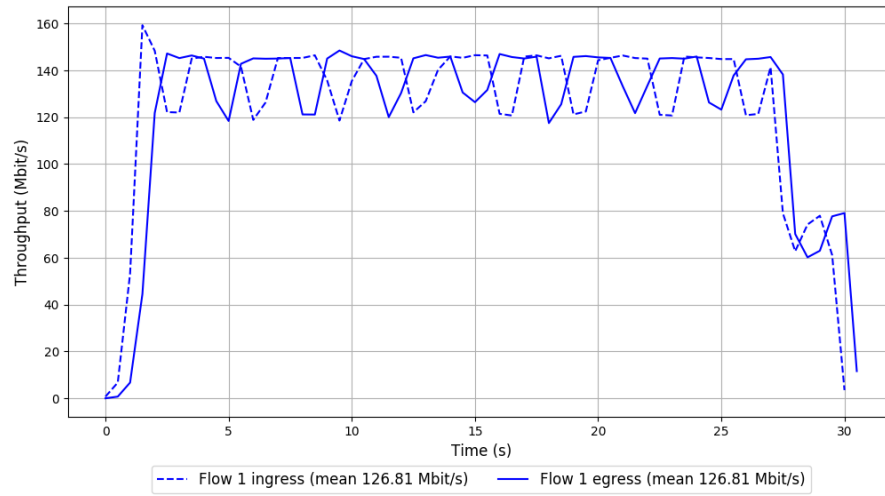
-- Flow 1:

Average throughput: 126.81 Mbit/s

95th percentile per-packet one-way delay: 95.091 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

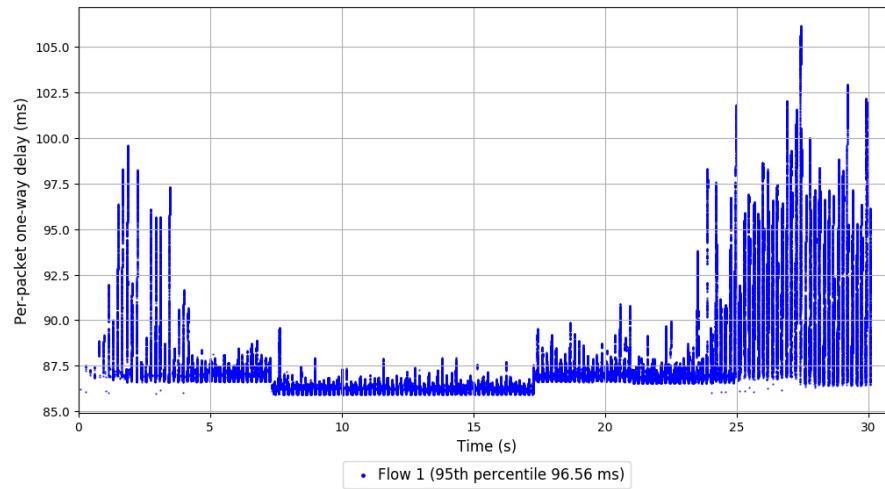
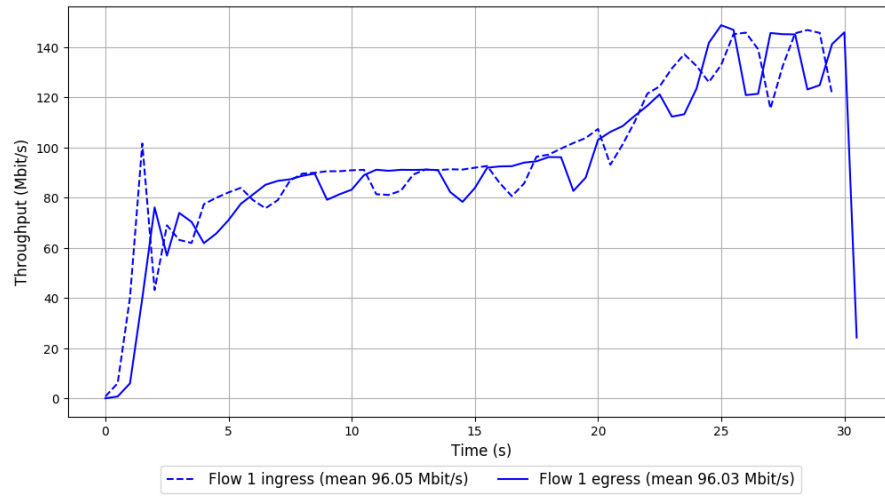


Run 3: Statistics of TCP Cubic

Start at: 2018-07-09 19:51:14
End at: 2018-07-09 19:51:44
Local clock offset: -0.058 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-09 23:09:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 96.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 96.558 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-09 20:13:56

End at: 2018-07-09 20:14:26

Local clock offset: -0.105 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.20 Mbit/s

95th percentile per-packet one-way delay: 97.174 ms

Loss rate: 0.00%

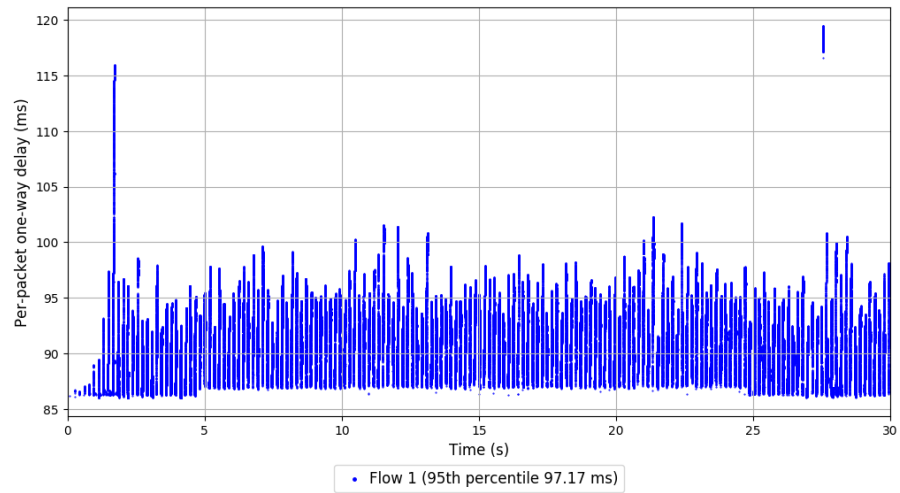
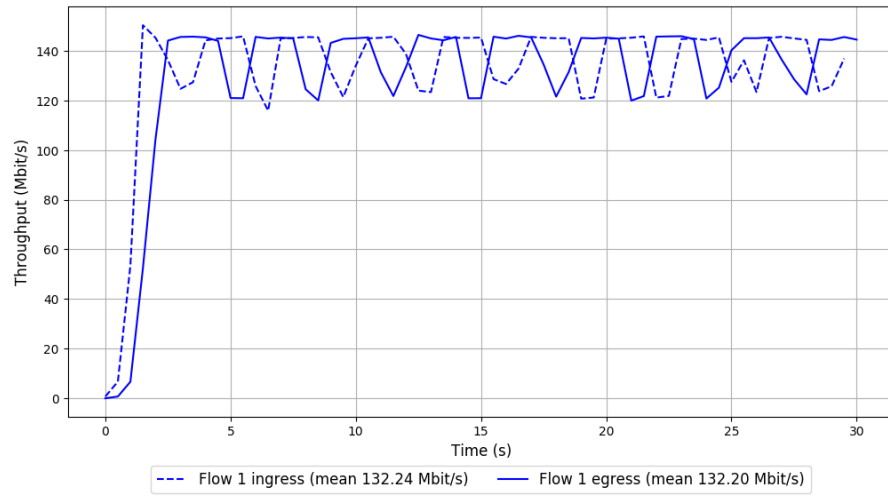
-- Flow 1:

Average throughput: 132.20 Mbit/s

95th percentile per-packet one-way delay: 97.174 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-09 20:36:24

End at: 2018-07-09 20:36:54

Local clock offset: 0.08 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.09 Mbit/s

95th percentile per-packet one-way delay: 96.334 ms

Loss rate: 0.06%

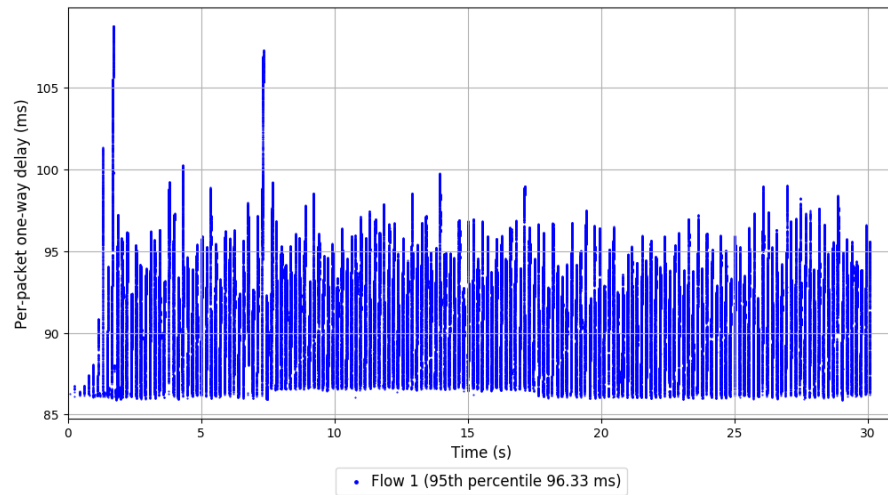
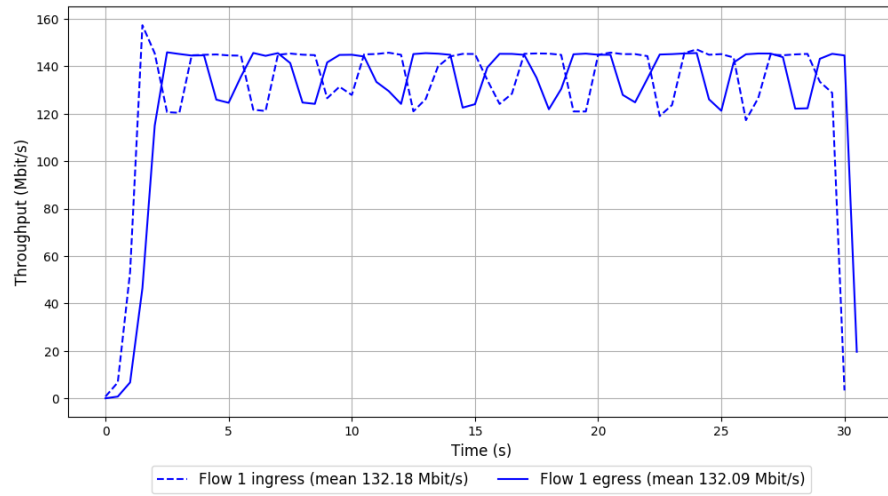
-- Flow 1:

Average throughput: 132.09 Mbit/s

95th percentile per-packet one-way delay: 96.334 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-09 20:58:53

End at: 2018-07-09 20:59:23

Local clock offset: -0.069 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.11 Mbit/s

95th percentile per-packet one-way delay: 96.209 ms

Loss rate: 0.00%

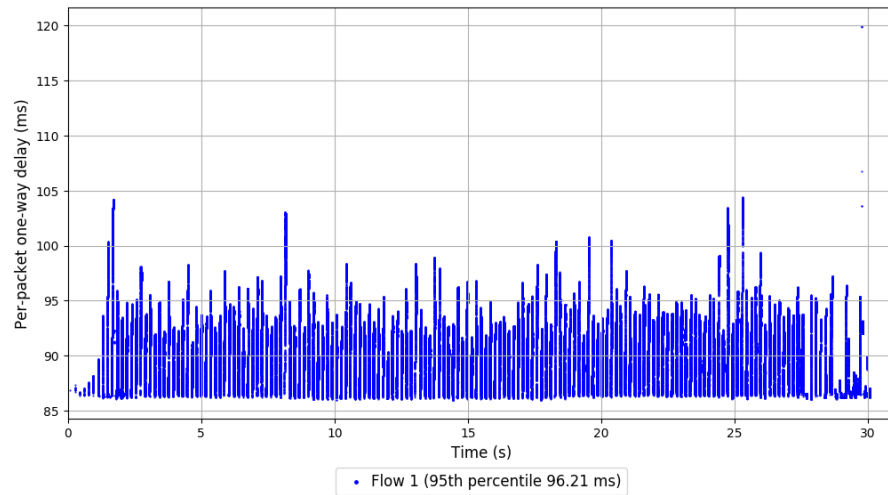
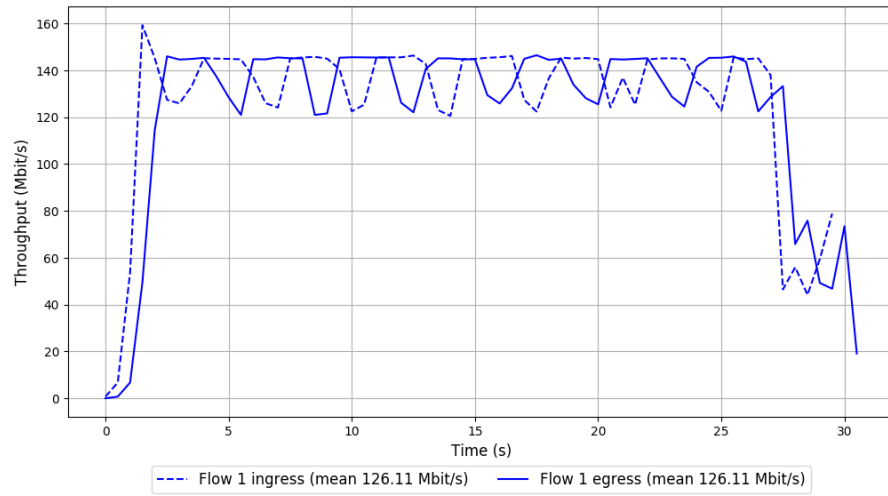
-- Flow 1:

Average throughput: 126.11 Mbit/s

95th percentile per-packet one-way delay: 96.209 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-09 21:20:58

End at: 2018-07-09 21:21:28

Local clock offset: 0.094 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.81 Mbit/s

95th percentile per-packet one-way delay: 96.240 ms

Loss rate: 0.00%

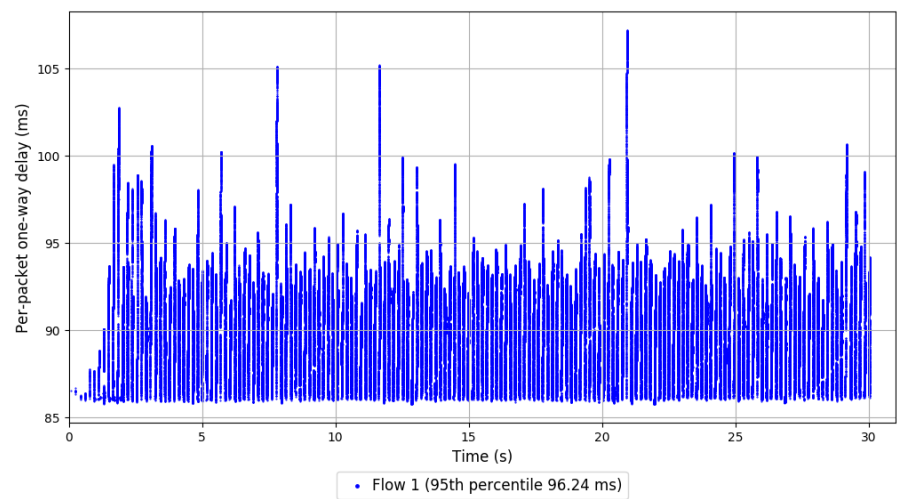
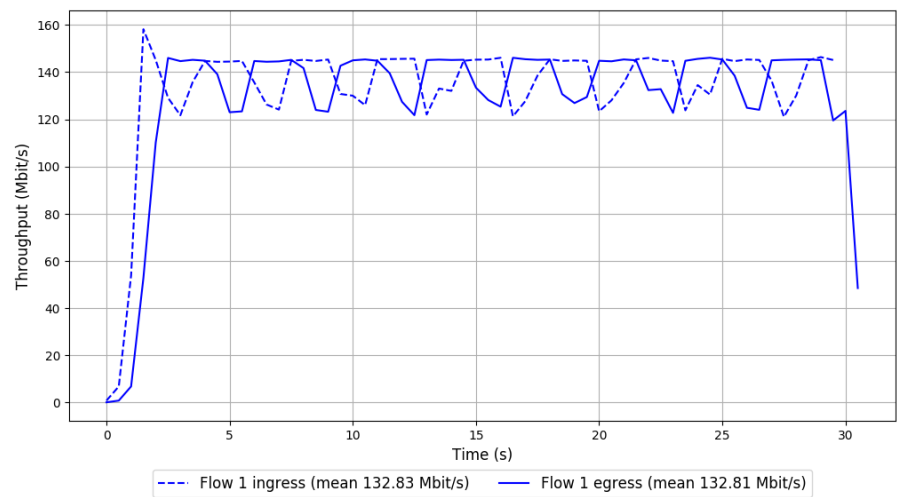
-- Flow 1:

Average throughput: 132.81 Mbit/s

95th percentile per-packet one-way delay: 96.240 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-09 21:43:34

End at: 2018-07-09 21:44:04

Local clock offset: -0.211 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 91.740 ms

Loss rate: 0.00%

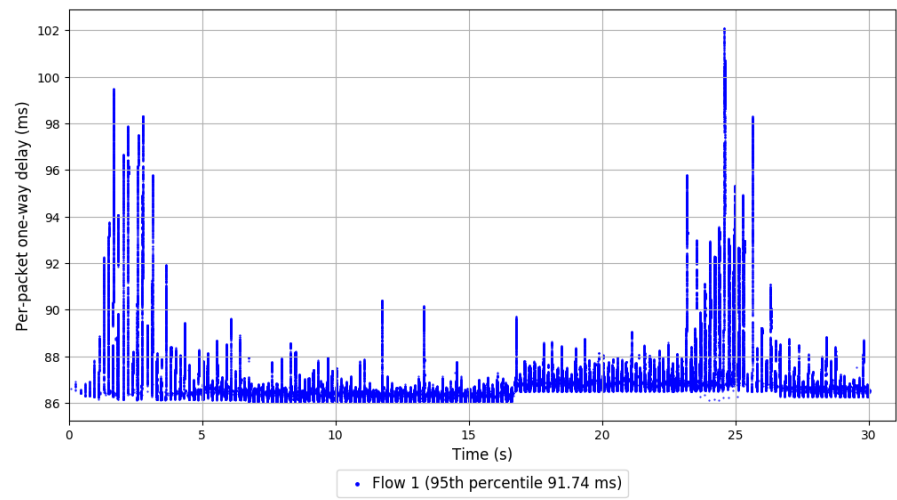
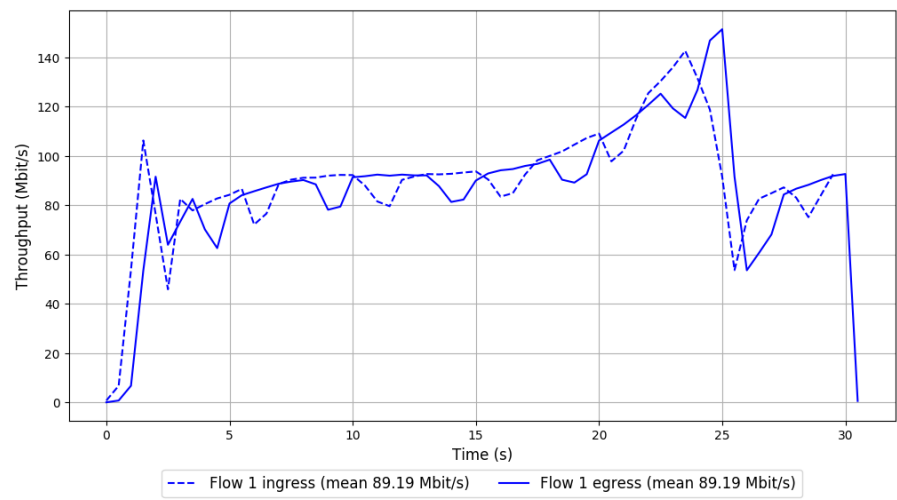
-- Flow 1:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 91.740 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-09 22:06:00

End at: 2018-07-09 22:06:30

Local clock offset: -0.055 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.04 Mbit/s

95th percentile per-packet one-way delay: 96.858 ms

Loss rate: 0.00%

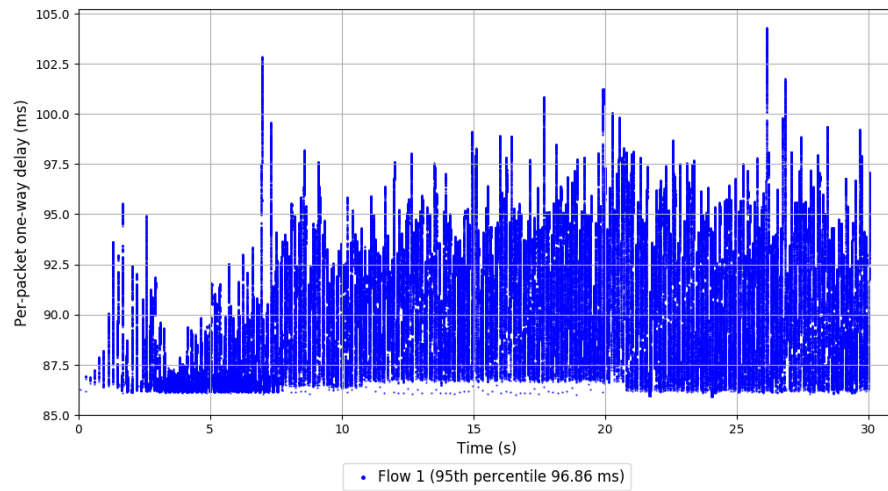
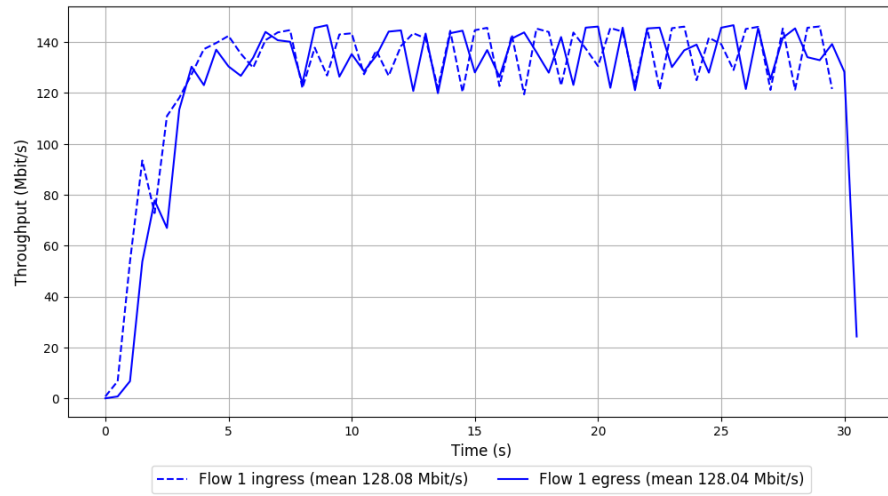
-- Flow 1:

Average throughput: 128.04 Mbit/s

95th percentile per-packet one-way delay: 96.858 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-09 22:28:12

End at: 2018-07-09 22:28:42

Local clock offset: -0.186 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-09 23:09:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.00 Mbit/s

95th percentile per-packet one-way delay: 96.846 ms

Loss rate: 0.00%

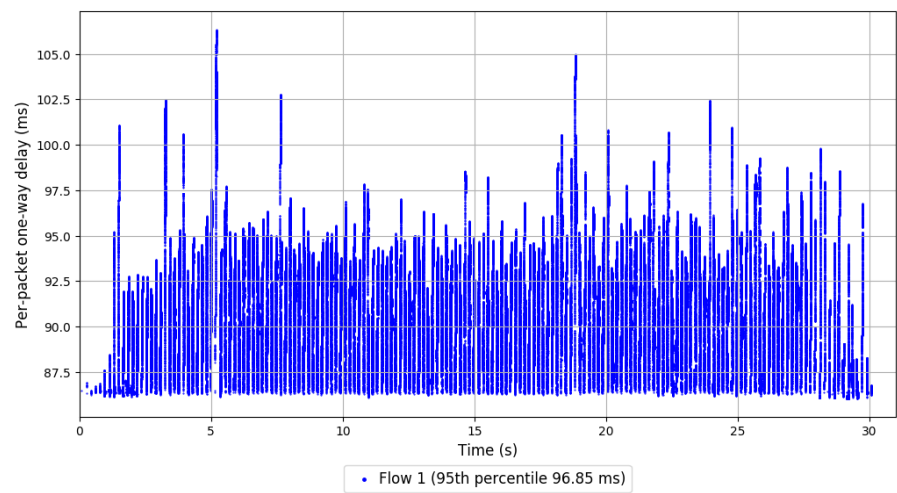
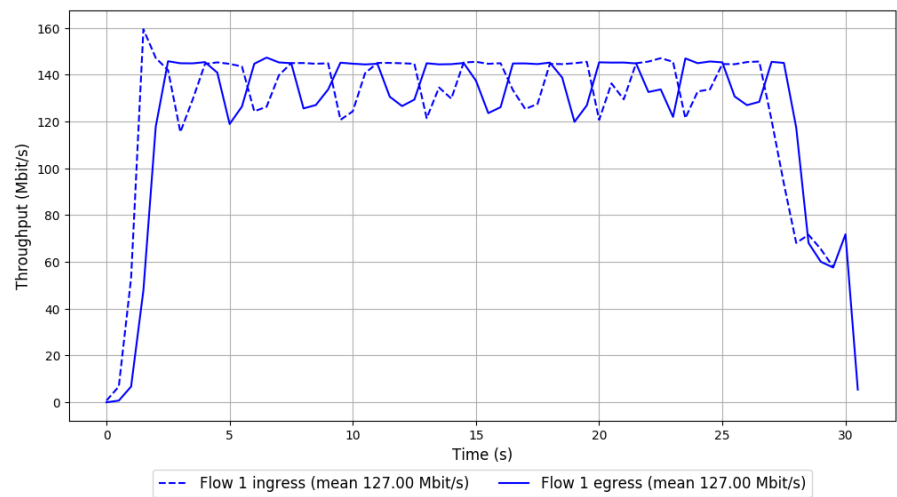
-- Flow 1:

Average throughput: 127.00 Mbit/s

95th percentile per-packet one-way delay: 96.846 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-09 19:16:19

End at: 2018-07-09 19:16:49

Local clock offset: 0.112 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-09 23:19:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 641.69 Mbit/s

95th percentile per-packet one-way delay: 179.355 ms

Loss rate: 8.85%

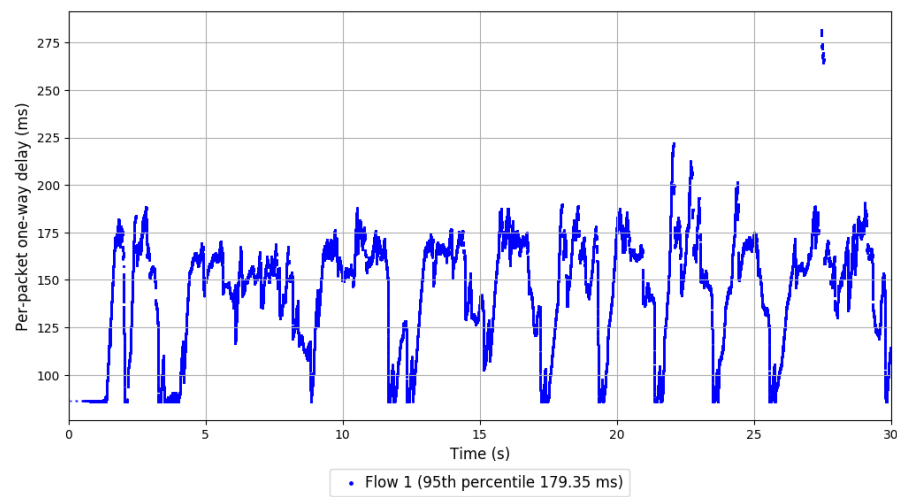
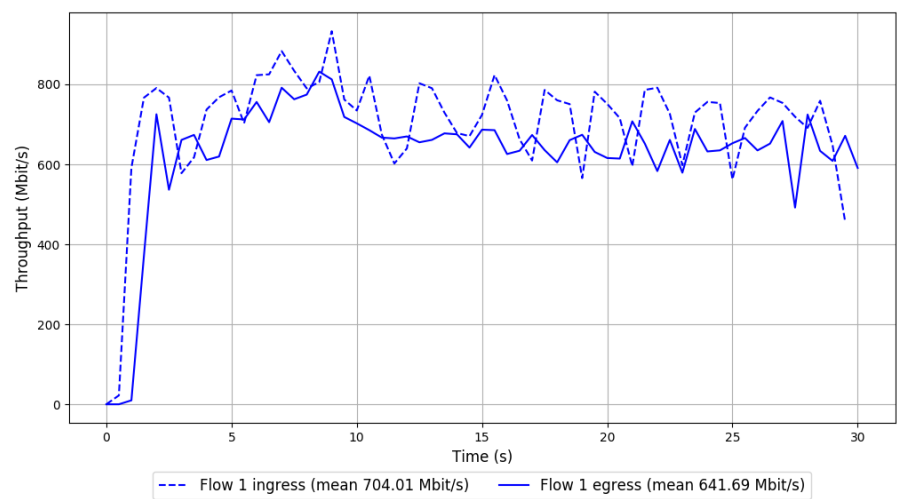
-- Flow 1:

Average throughput: 641.69 Mbit/s

95th percentile per-packet one-way delay: 179.355 ms

Loss rate: 8.85%

Run 1: Report of FillP — Data Link

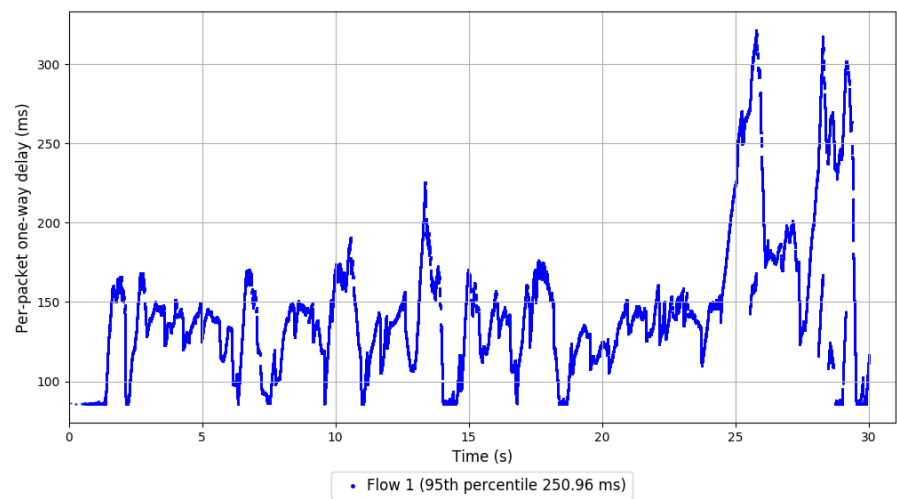
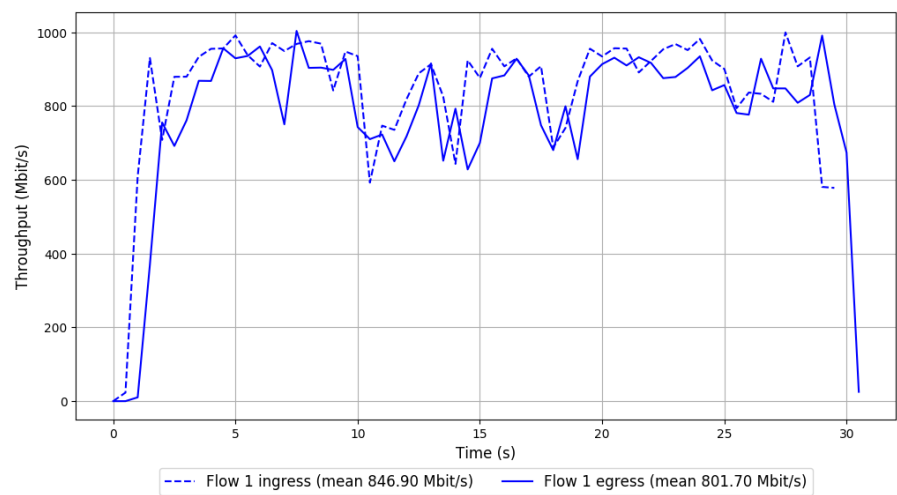


Run 2: Statistics of FillP

Start at: 2018-07-09 19:38:46
End at: 2018-07-09 19:39:16
Local clock offset: 0.175 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-09 23:22:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 801.70 Mbit/s
95th percentile per-packet one-way delay: 250.955 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 801.70 Mbit/s
95th percentile per-packet one-way delay: 250.955 ms
Loss rate: 5.34%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-09 20:01:22

End at: 2018-07-09 20:01:52

Local clock offset: -0.168 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-09 23:22:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 759.28 Mbit/s

95th percentile per-packet one-way delay: 236.426 ms

Loss rate: 8.14%

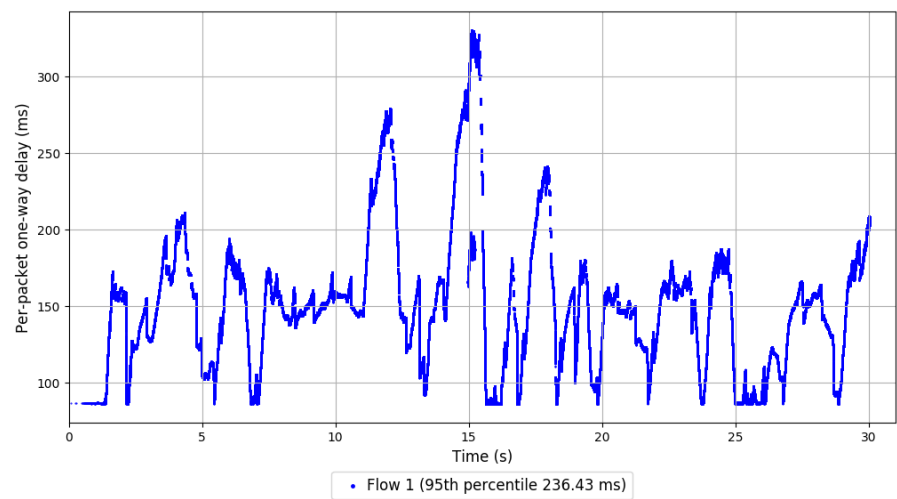
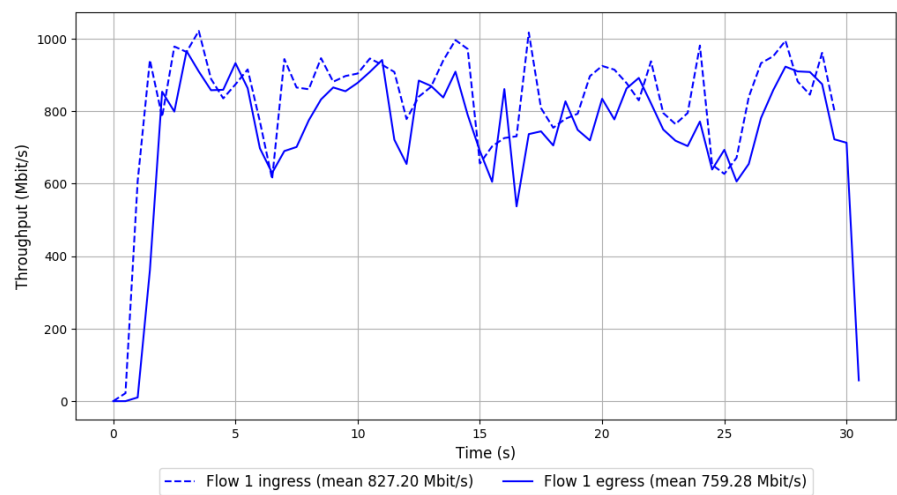
-- Flow 1:

Average throughput: 759.28 Mbit/s

95th percentile per-packet one-way delay: 236.426 ms

Loss rate: 8.14%

Run 3: Report of FillP — Data Link

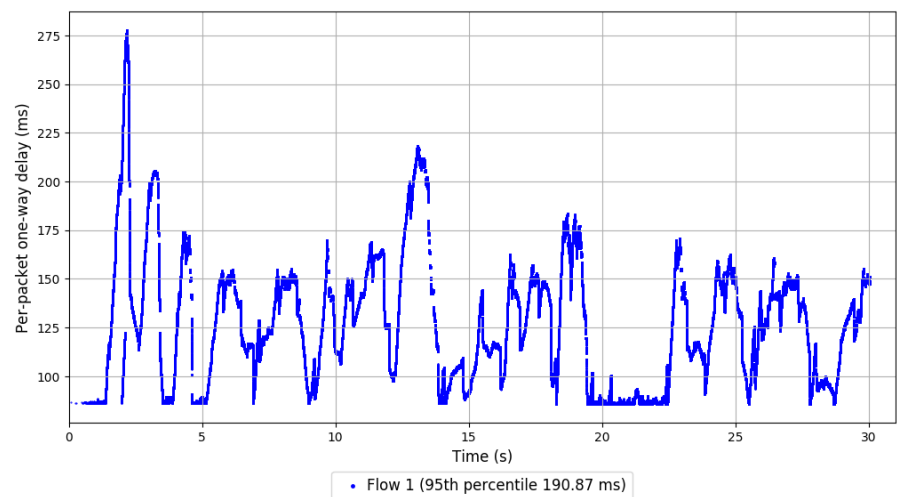
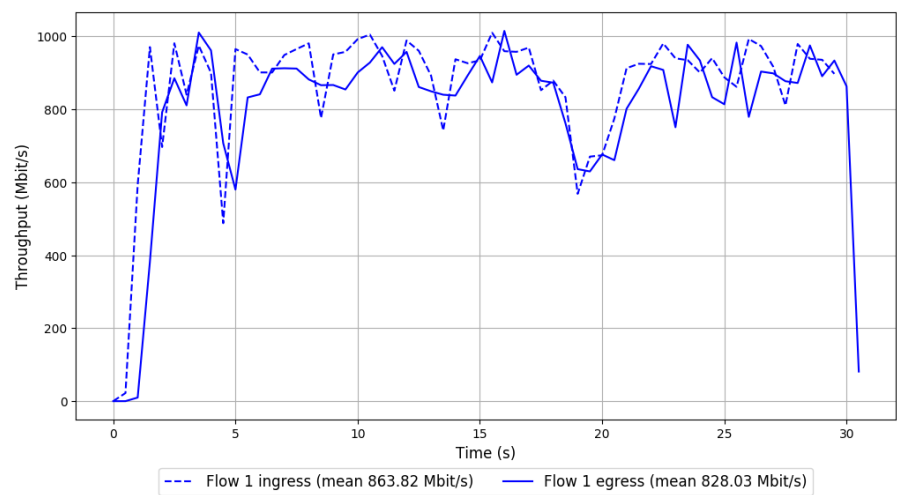


Run 4: Statistics of FillP

Start at: 2018-07-09 20:24:04
End at: 2018-07-09 20:24:34
Local clock offset: 0.153 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-09 23:22:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 828.03 Mbit/s
95th percentile per-packet one-way delay: 190.869 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 828.03 Mbit/s
95th percentile per-packet one-way delay: 190.869 ms
Loss rate: 4.14%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-09 20:46:31

End at: 2018-07-09 20:47:01

Local clock offset: -0.258 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-09 23:22:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 740.77 Mbit/s

95th percentile per-packet one-way delay: 191.784 ms

Loss rate: 7.26%

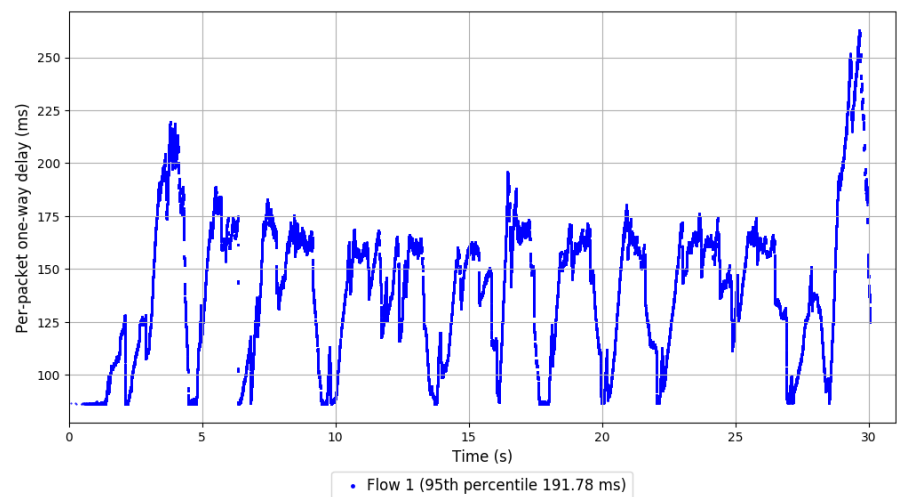
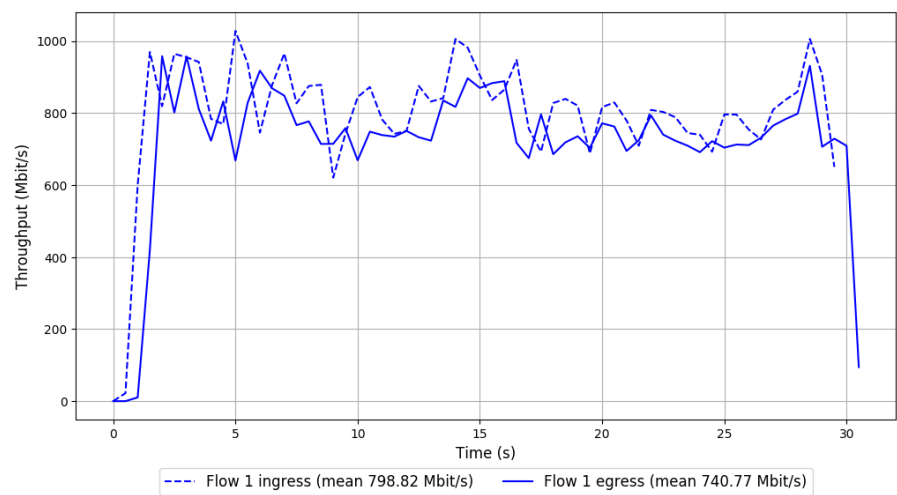
-- Flow 1:

Average throughput: 740.77 Mbit/s

95th percentile per-packet one-way delay: 191.784 ms

Loss rate: 7.26%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-09 21:08:56

End at: 2018-07-09 21:09:26

Local clock offset: -0.037 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-09 23:22:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 750.51 Mbit/s

95th percentile per-packet one-way delay: 226.794 ms

Loss rate: 6.05%

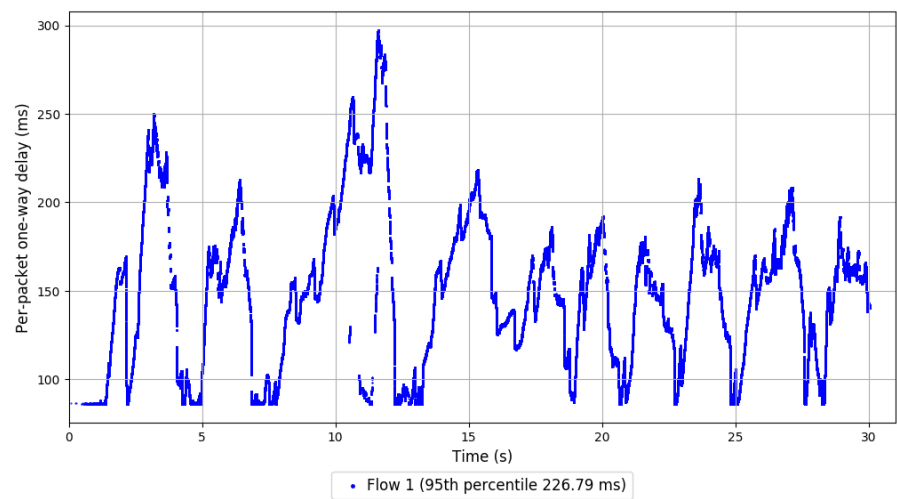
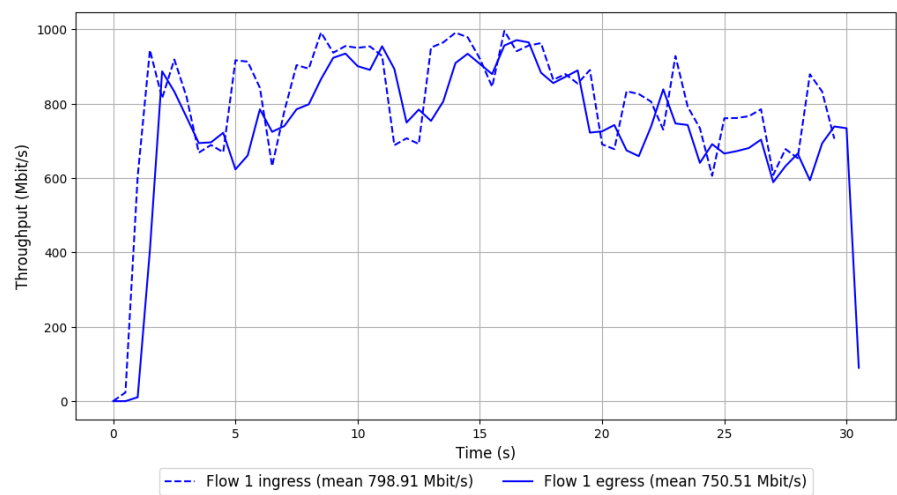
-- Flow 1:

Average throughput: 750.51 Mbit/s

95th percentile per-packet one-way delay: 226.794 ms

Loss rate: 6.05%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-09 21:31:05

End at: 2018-07-09 21:31:35

Local clock offset: 0.219 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-09 23:22:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 683.69 Mbit/s

95th percentile per-packet one-way delay: 179.656 ms

Loss rate: 7.06%

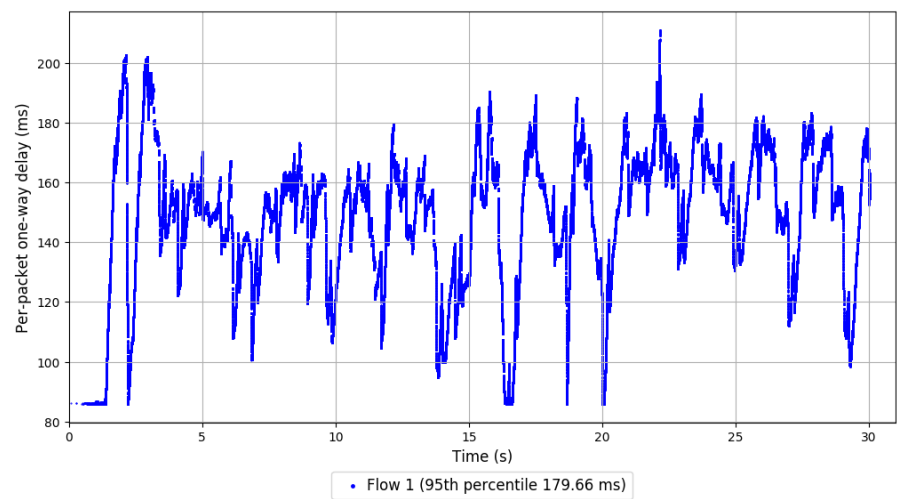
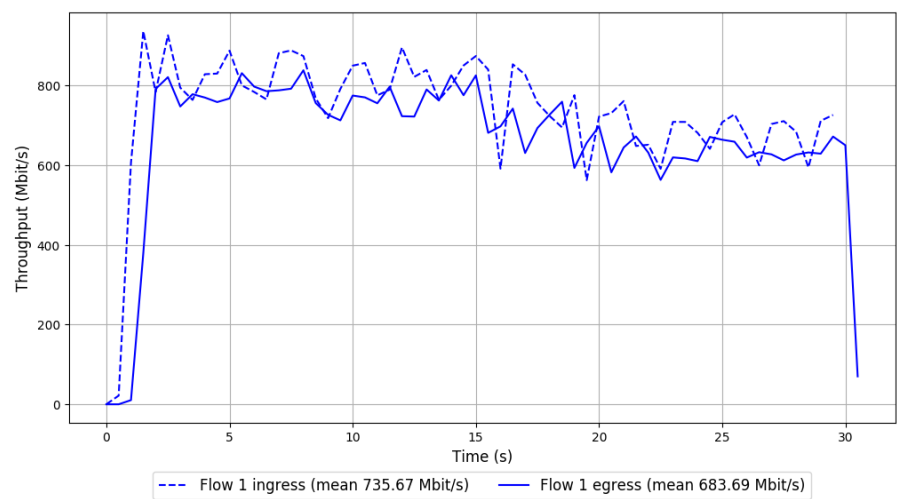
-- Flow 1:

Average throughput: 683.69 Mbit/s

95th percentile per-packet one-way delay: 179.656 ms

Loss rate: 7.06%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-09 21:53:38

End at: 2018-07-09 21:54:08

Local clock offset: 0.005 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-09 23:24:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 706.53 Mbit/s

95th percentile per-packet one-way delay: 181.610 ms

Loss rate: 7.05%

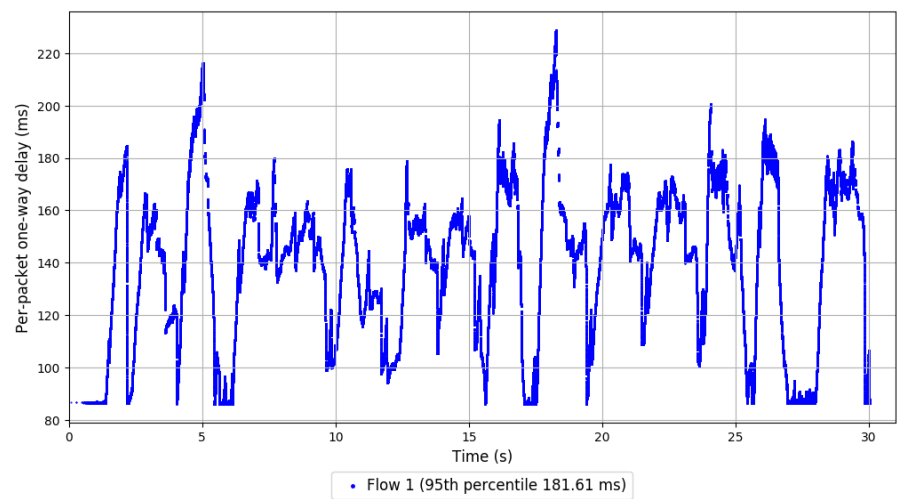
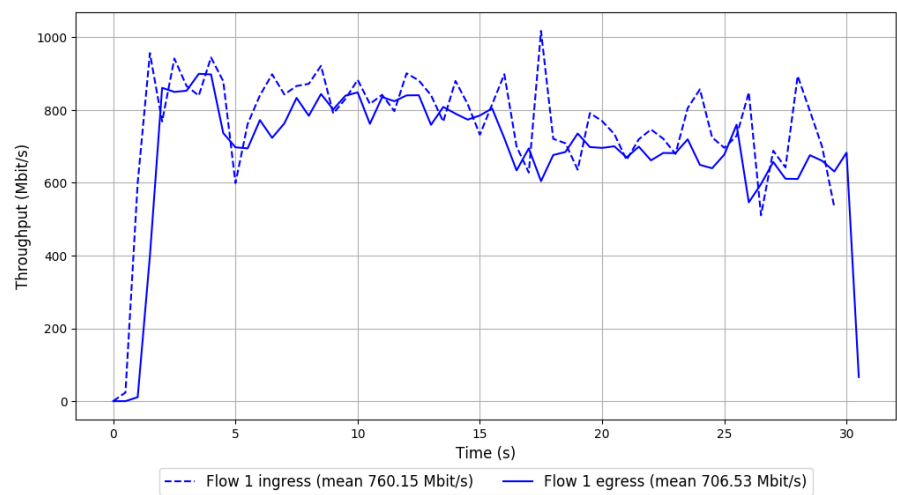
-- Flow 1:

Average throughput: 706.53 Mbit/s

95th percentile per-packet one-way delay: 181.610 ms

Loss rate: 7.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-09 22:16:02

End at: 2018-07-09 22:16:32

Local clock offset: 0.093 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-09 23:34:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 742.84 Mbit/s

95th percentile per-packet one-way delay: 290.408 ms

Loss rate: 6.59%

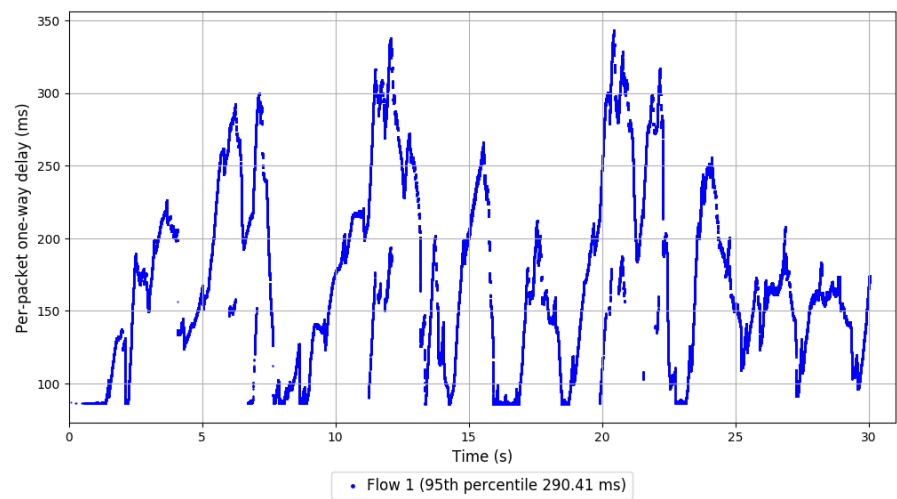
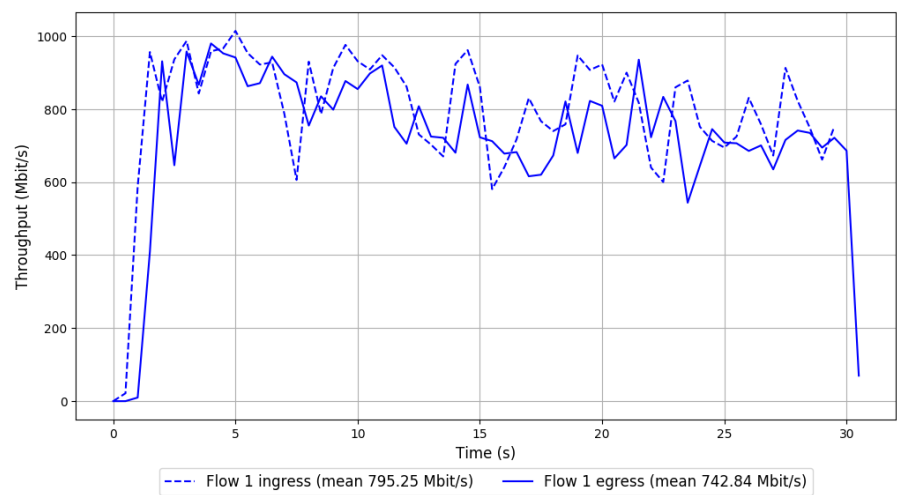
-- Flow 1:

Average throughput: 742.84 Mbit/s

95th percentile per-packet one-way delay: 290.408 ms

Loss rate: 6.59%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-09 22:38:17

End at: 2018-07-09 22:38:47

Local clock offset: -0.042 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-09 23:37:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.86 Mbit/s

95th percentile per-packet one-way delay: 229.684 ms

Loss rate: 5.28%

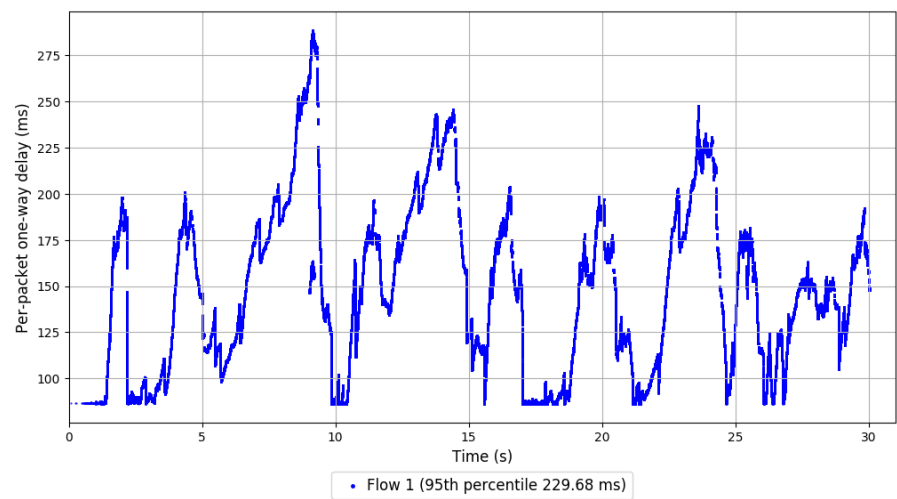
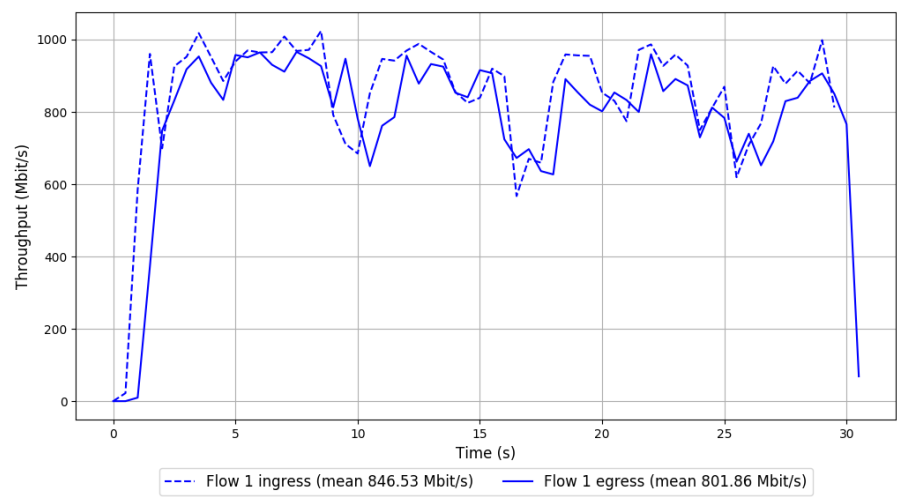
-- Flow 1:

Average throughput: 801.86 Mbit/s

95th percentile per-packet one-way delay: 229.684 ms

Loss rate: 5.28%

Run 10: Report of FillP — Data Link

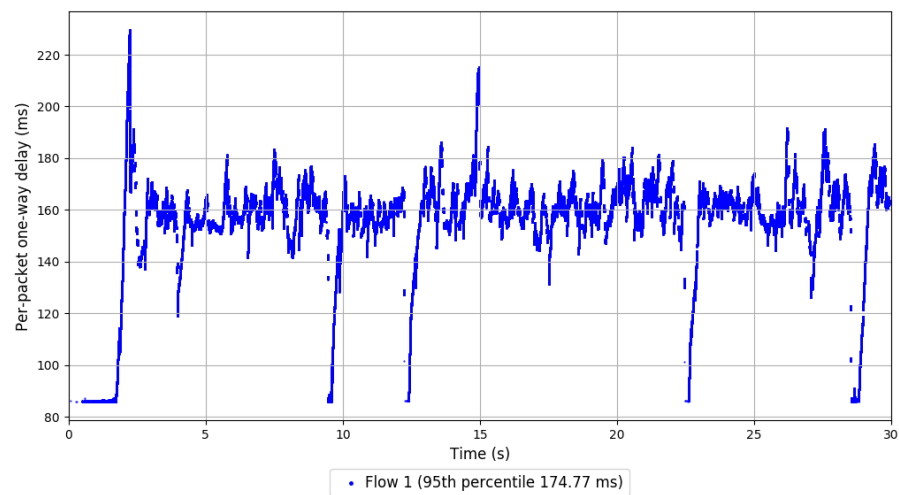
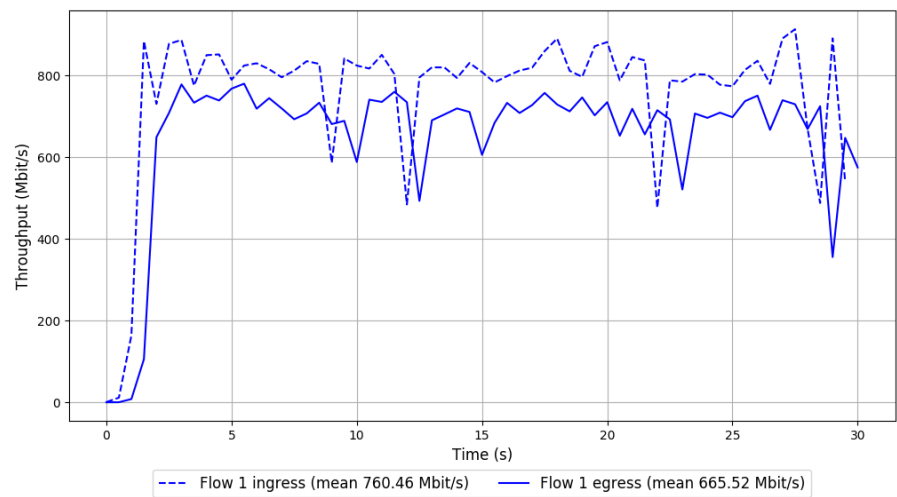


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-09 18:59:08
End at: 2018-07-09 18:59:39
Local clock offset: -0.008 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-09 23:37:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 665.52 Mbit/s
95th percentile per-packet one-way delay: 174.772 ms
Loss rate: 12.48%
-- Flow 1:
Average throughput: 665.52 Mbit/s
95th percentile per-packet one-way delay: 174.772 ms
Loss rate: 12.48%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-09 19:21:34

End at: 2018-07-09 19:22:04

Local clock offset: 0.112 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-09 23:37:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 699.89 Mbit/s

95th percentile per-packet one-way delay: 175.967 ms

Loss rate: 10.75%

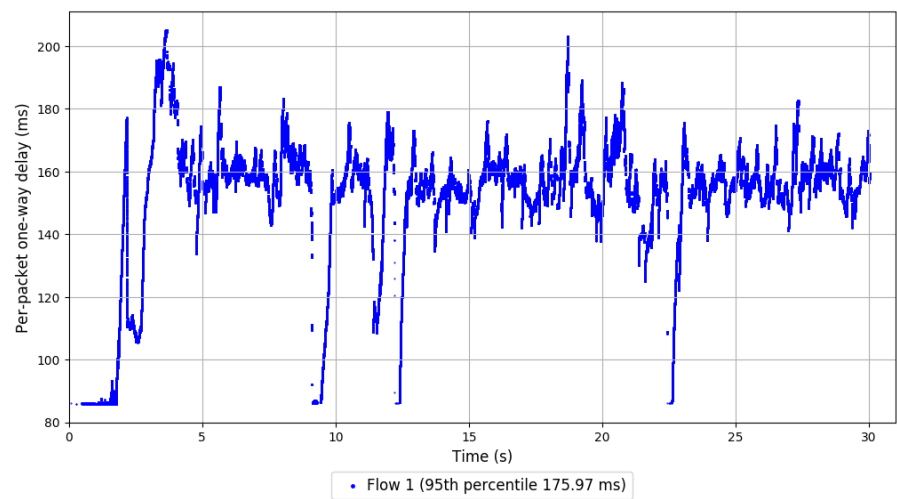
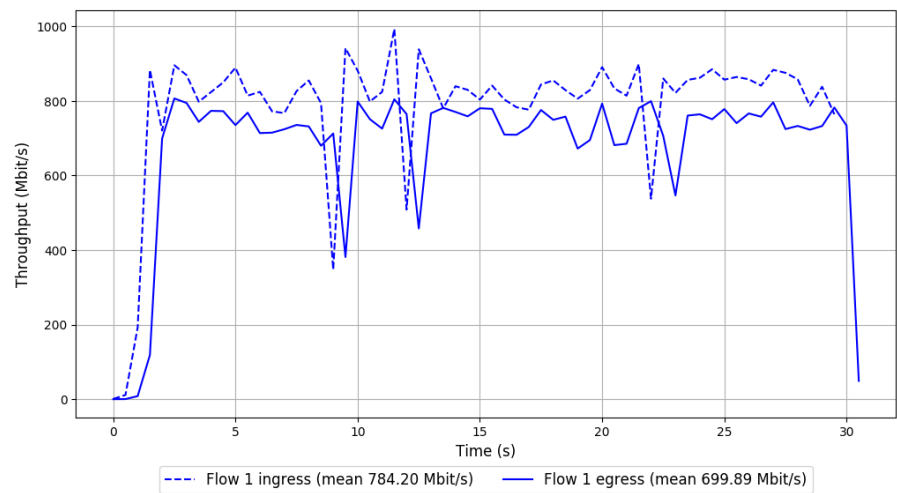
-- Flow 1:

Average throughput: 699.89 Mbit/s

95th percentile per-packet one-way delay: 175.967 ms

Loss rate: 10.75%

Run 2: Report of FillP-Sheep — Data Link

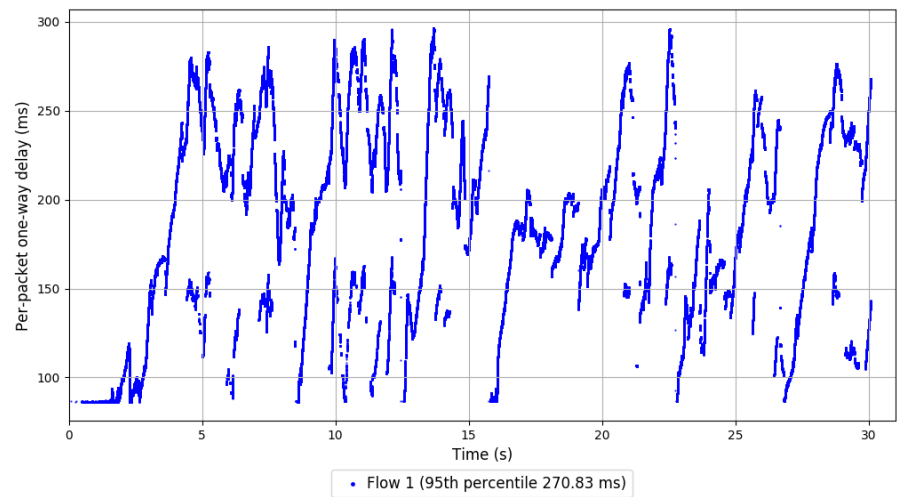
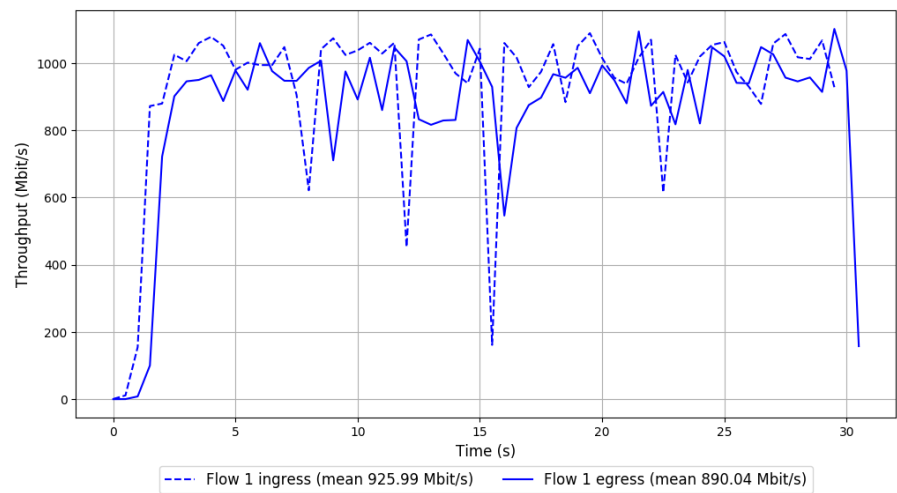


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-09 19:44:01
End at: 2018-07-09 19:44:31
Local clock offset: -0.218 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-09 23:40:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 890.04 Mbit/s
95th percentile per-packet one-way delay: 270.829 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 890.04 Mbit/s
95th percentile per-packet one-way delay: 270.829 ms
Loss rate: 3.73%

Run 3: Report of FillP-Sheep — Data Link

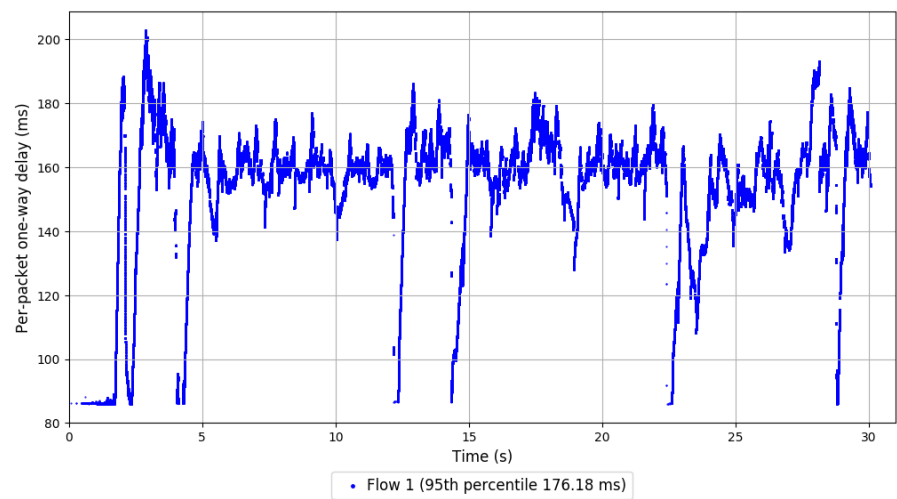
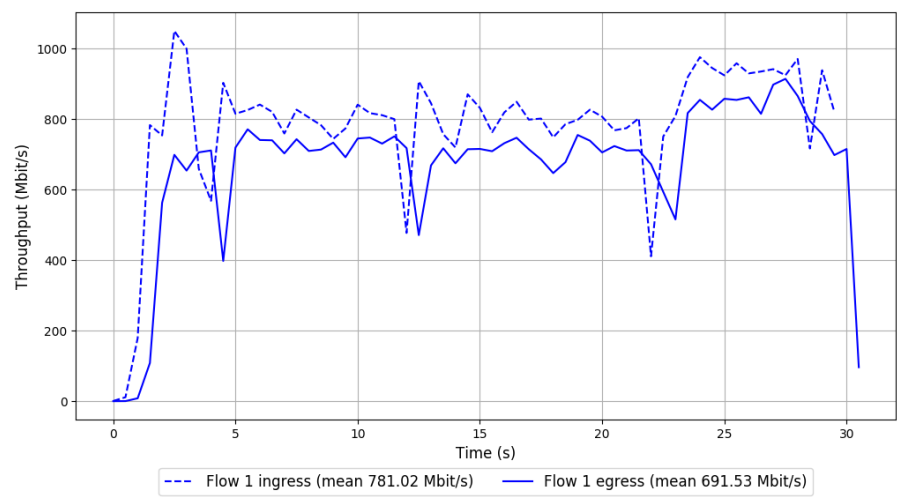


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-09 20:06:41
End at: 2018-07-09 20:07:11
Local clock offset: -0.069 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-09 23:40:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 691.53 Mbit/s
95th percentile per-packet one-way delay: 176.182 ms
Loss rate: 11.45%
-- Flow 1:
Average throughput: 691.53 Mbit/s
95th percentile per-packet one-way delay: 176.182 ms
Loss rate: 11.45%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-09 20:29:27

End at: 2018-07-09 20:29:57

Local clock offset: -0.088 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-09 23:40:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.71 Mbit/s

95th percentile per-packet one-way delay: 287.391 ms

Loss rate: 2.77%

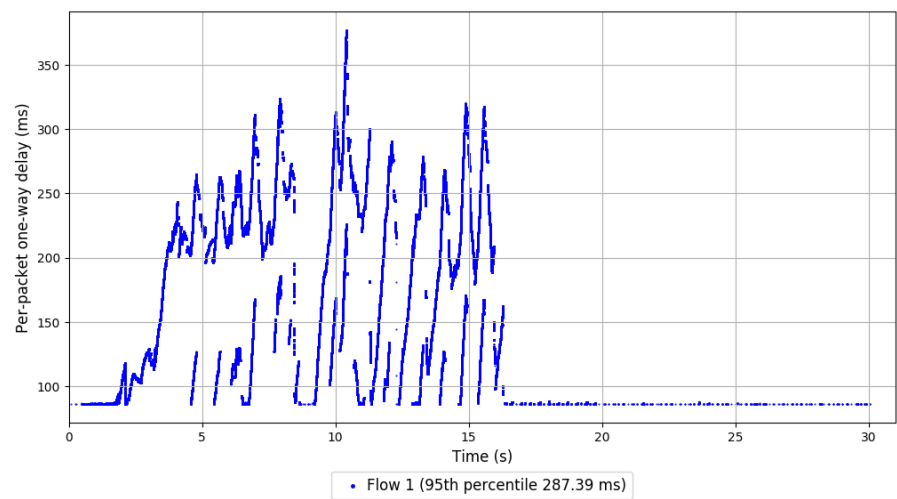
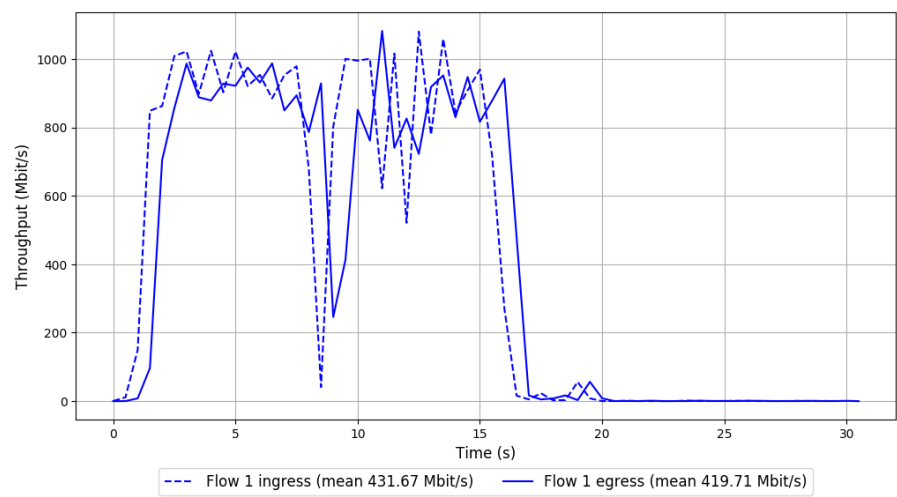
-- Flow 1:

Average throughput: 419.71 Mbit/s

95th percentile per-packet one-way delay: 287.391 ms

Loss rate: 2.77%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-09 20:51:43

End at: 2018-07-09 20:52:13

Local clock offset: -0.165 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-09 23:40:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.80 Mbit/s

95th percentile per-packet one-way delay: 176.048 ms

Loss rate: 10.22%

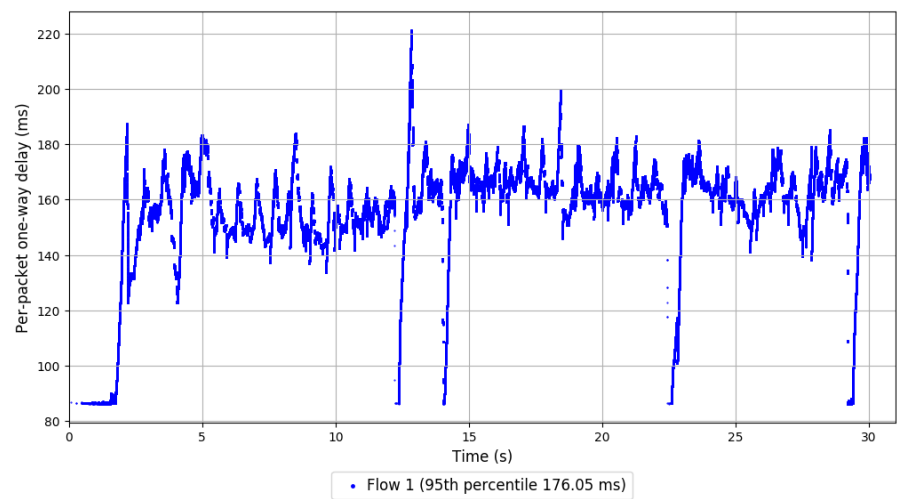
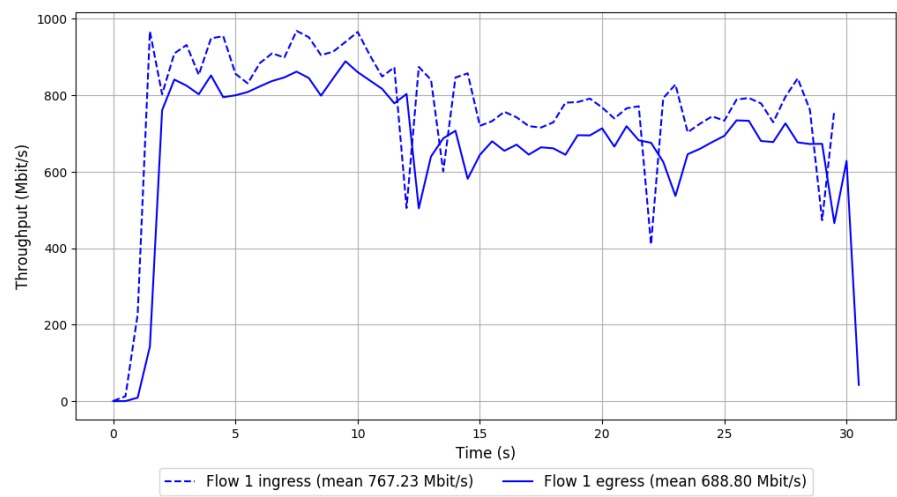
-- Flow 1:

Average throughput: 688.80 Mbit/s

95th percentile per-packet one-way delay: 176.048 ms

Loss rate: 10.22%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-09 21:14:12

End at: 2018-07-09 21:14:42

Local clock offset: -0.025 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-09 23:40:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.44 Mbit/s

95th percentile per-packet one-way delay: 328.906 ms

Loss rate: 8.54%

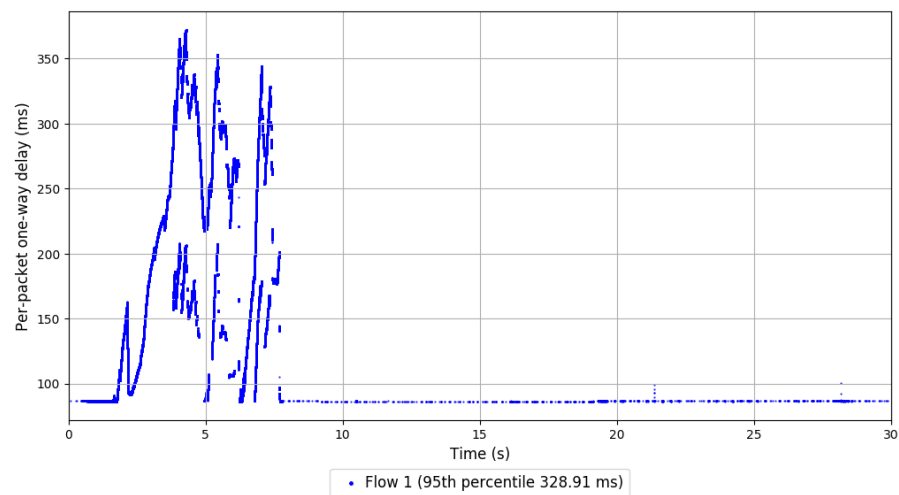
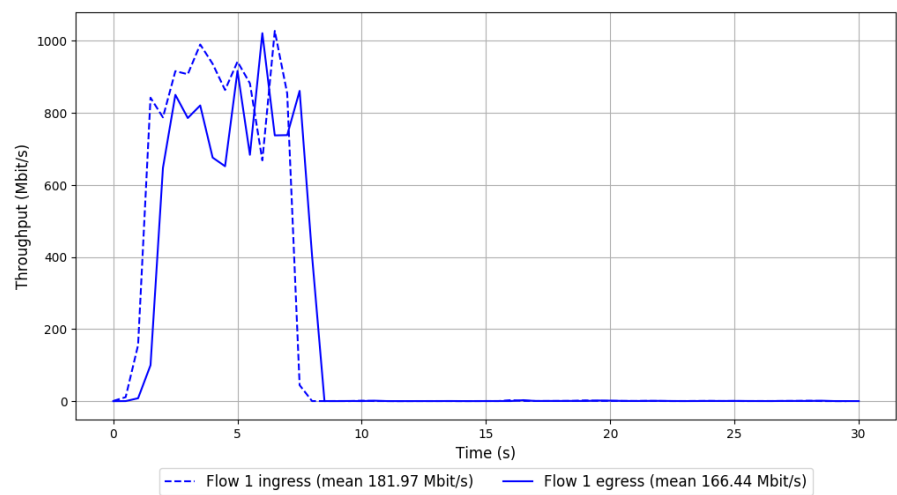
-- Flow 1:

Average throughput: 166.44 Mbit/s

95th percentile per-packet one-way delay: 328.906 ms

Loss rate: 8.54%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-09 21:36:16

End at: 2018-07-09 21:36:46

Local clock offset: -0.037 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-09 23:52:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 788.93 Mbit/s

95th percentile per-packet one-way delay: 271.257 ms

Loss rate: 7.58%

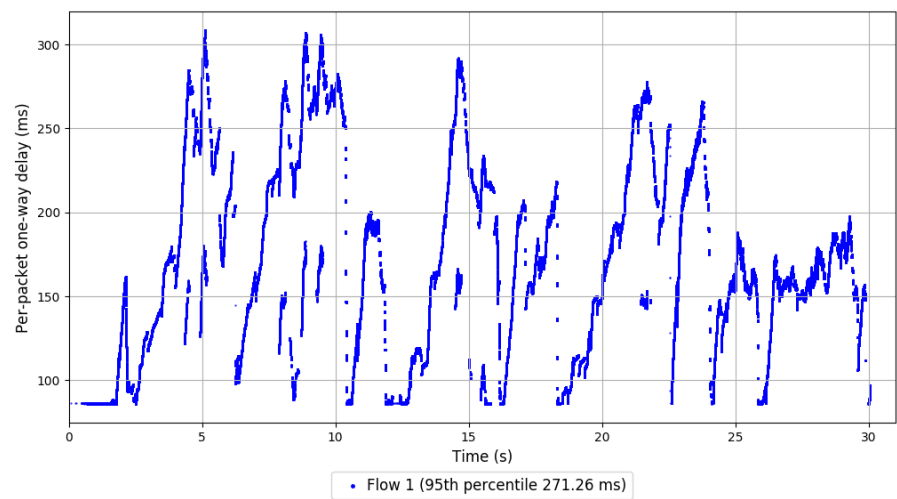
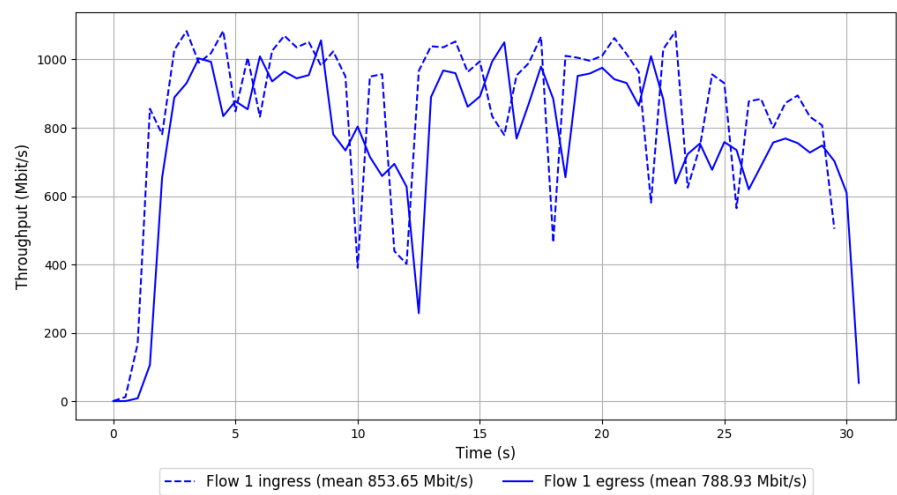
-- Flow 1:

Average throughput: 788.93 Mbit/s

95th percentile per-packet one-way delay: 271.257 ms

Loss rate: 7.58%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-09 21:58:50

End at: 2018-07-09 21:59:20

Local clock offset: 0.219 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.74 Mbit/s

95th percentile per-packet one-way delay: 275.351 ms

Loss rate: 8.86%

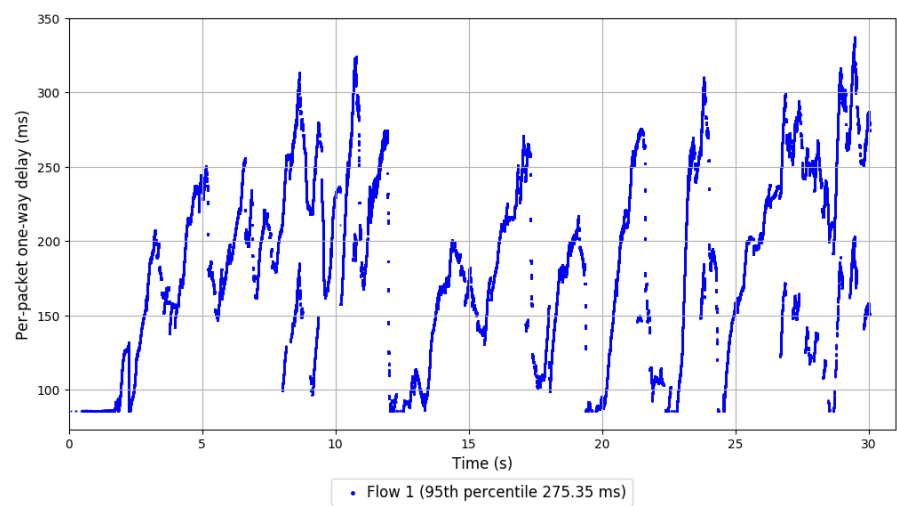
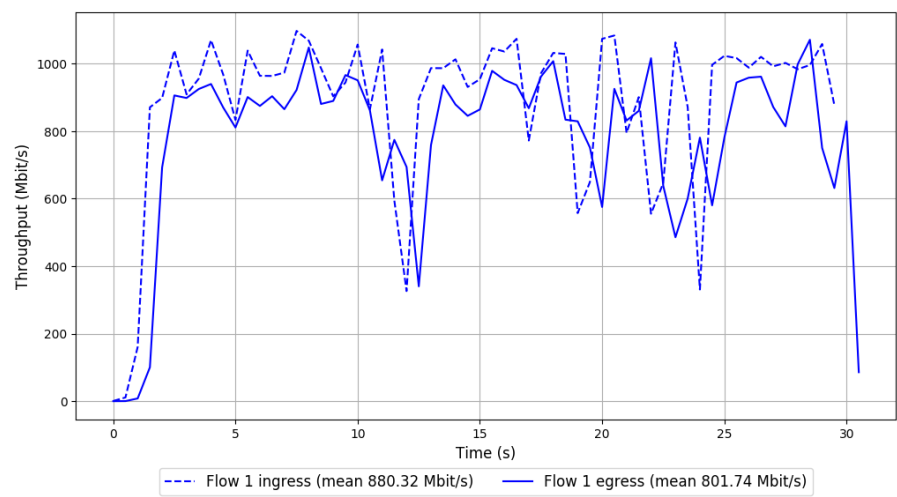
-- Flow 1:

Average throughput: 801.74 Mbit/s

95th percentile per-packet one-way delay: 275.351 ms

Loss rate: 8.86%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-09 22:21:16

End at: 2018-07-09 22:21:46

Local clock offset: 0.095 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.48 Mbit/s

95th percentile per-packet one-way delay: 320.593 ms

Loss rate: 5.98%

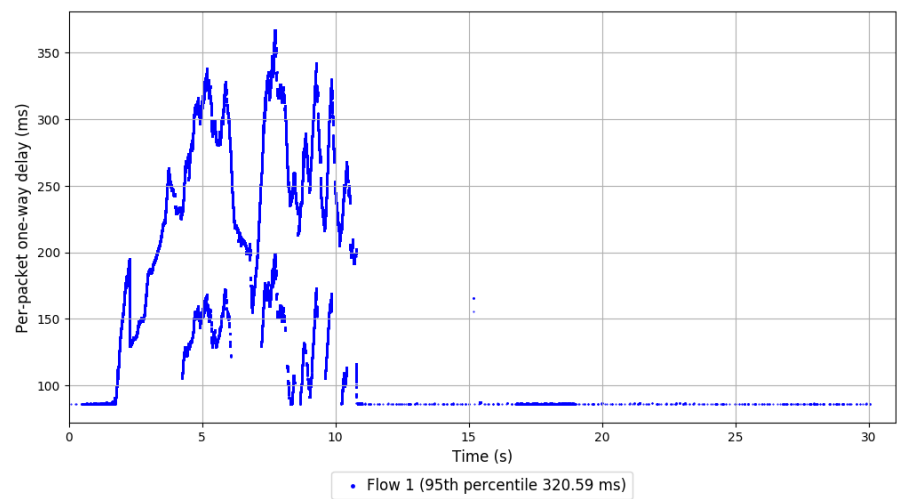
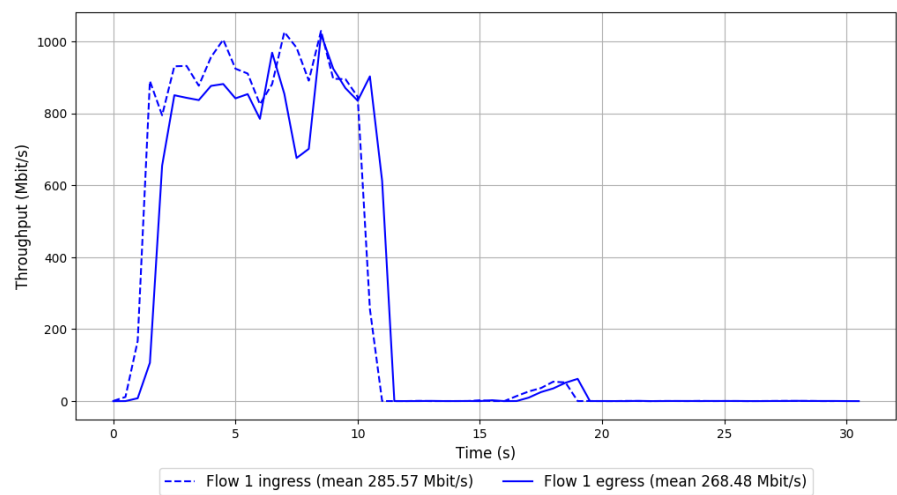
-- Flow 1:

Average throughput: 268.48 Mbit/s

95th percentile per-packet one-way delay: 320.593 ms

Loss rate: 5.98%

Run 10: Report of FillP-Sheep — Data Link

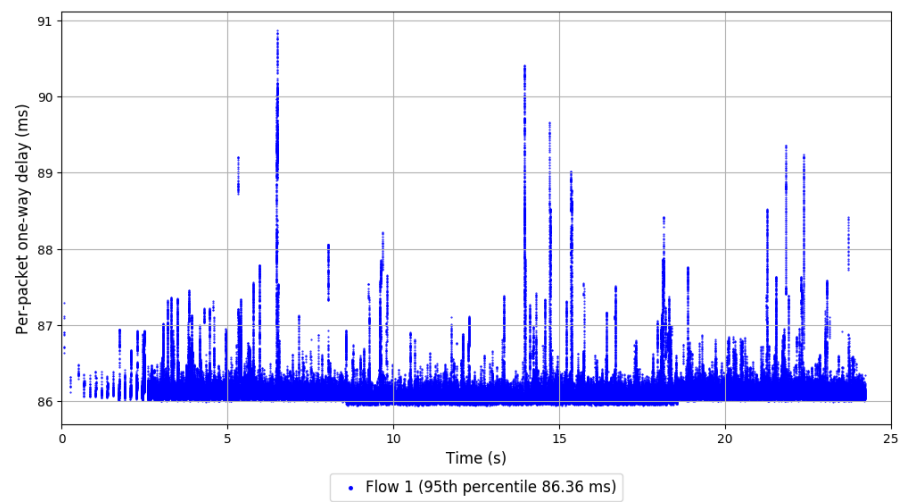
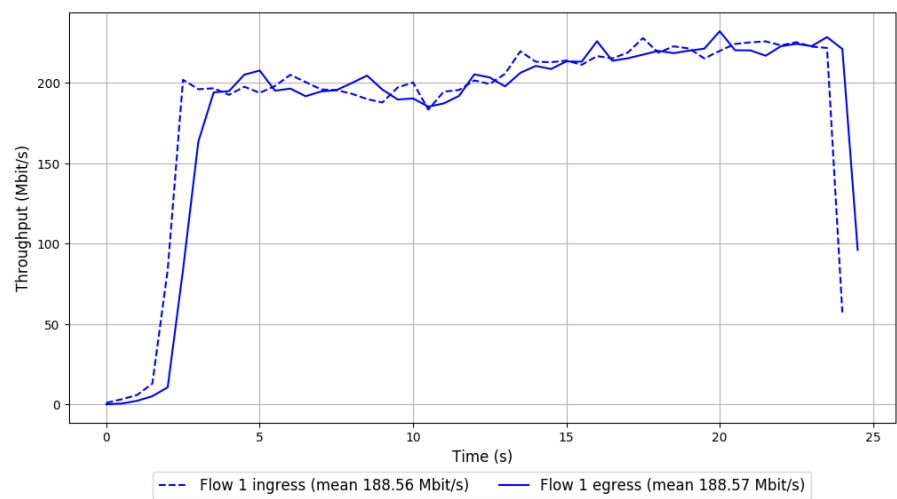


Run 1: Statistics of Indigo

Start at: 2018-07-09 19:10:57
End at: 2018-07-09 19:11:27
Local clock offset: -0.142 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-09 23:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.57 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.57 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

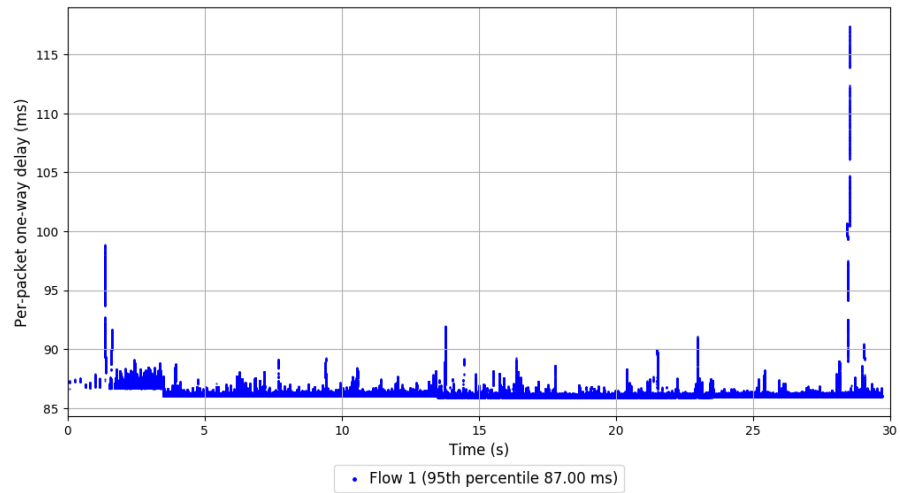
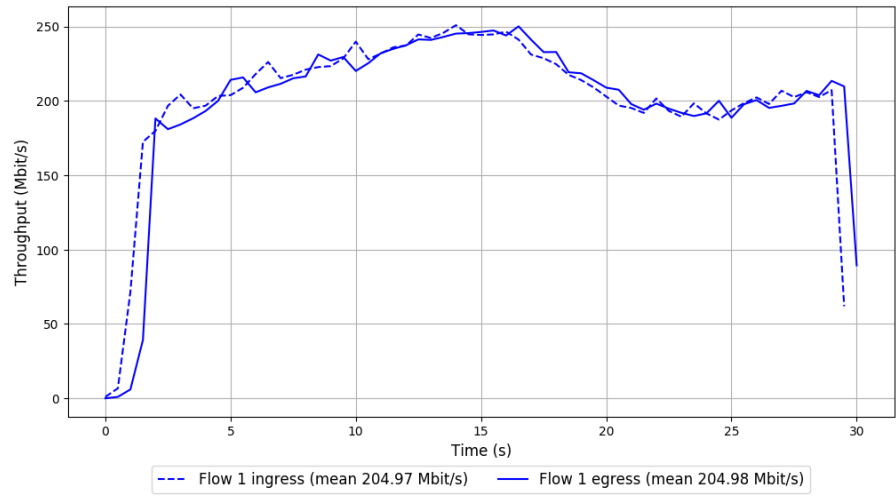


Run 2: Statistics of Indigo

Start at: 2018-07-09 19:33:27
End at: 2018-07-09 19:33:57
Local clock offset: -0.035 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-09 23:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

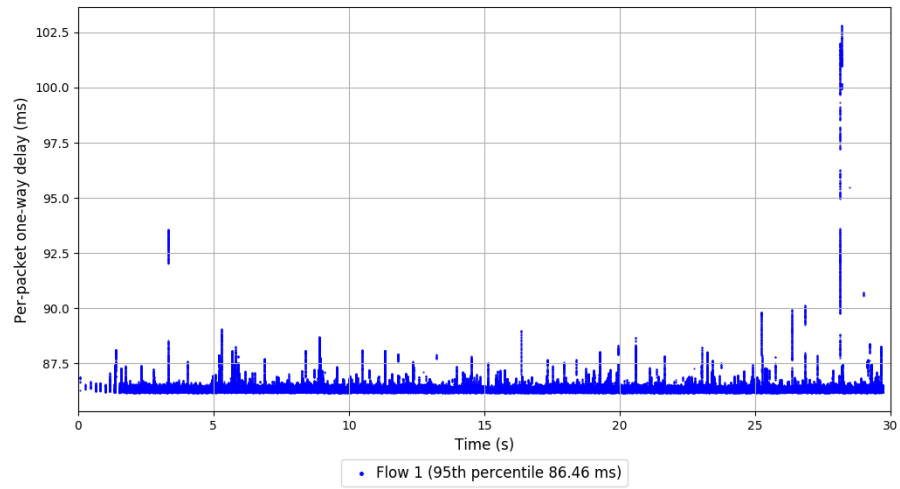
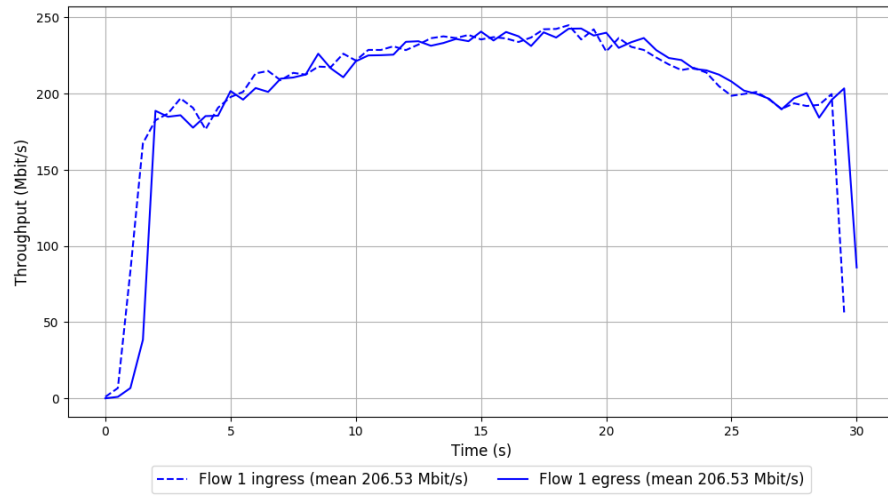


Run 3: Statistics of Indigo

Start at: 2018-07-09 19:55:55
End at: 2018-07-09 19:56:25
Local clock offset: -0.129 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-09 23:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.53 Mbit/s
95th percentile per-packet one-way delay: 86.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.53 Mbit/s
95th percentile per-packet one-way delay: 86.457 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-09 20:18:40

End at: 2018-07-09 20:19:10

Local clock offset: -0.193 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.59 Mbit/s

95th percentile per-packet one-way delay: 86.582 ms

Loss rate: 0.00%

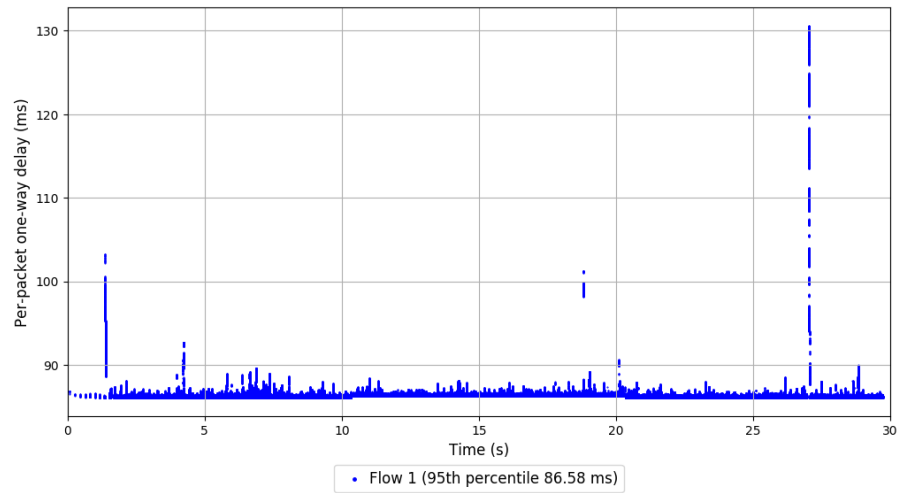
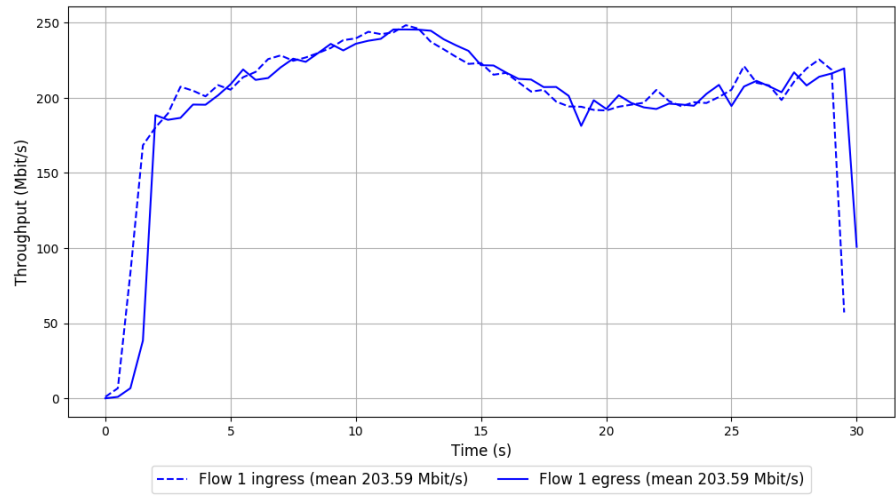
-- Flow 1:

Average throughput: 203.59 Mbit/s

95th percentile per-packet one-way delay: 86.582 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-09 20:41:07

End at: 2018-07-09 20:41:37

Local clock offset: -0.11 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.43 Mbit/s

95th percentile per-packet one-way delay: 86.984 ms

Loss rate: 0.00%

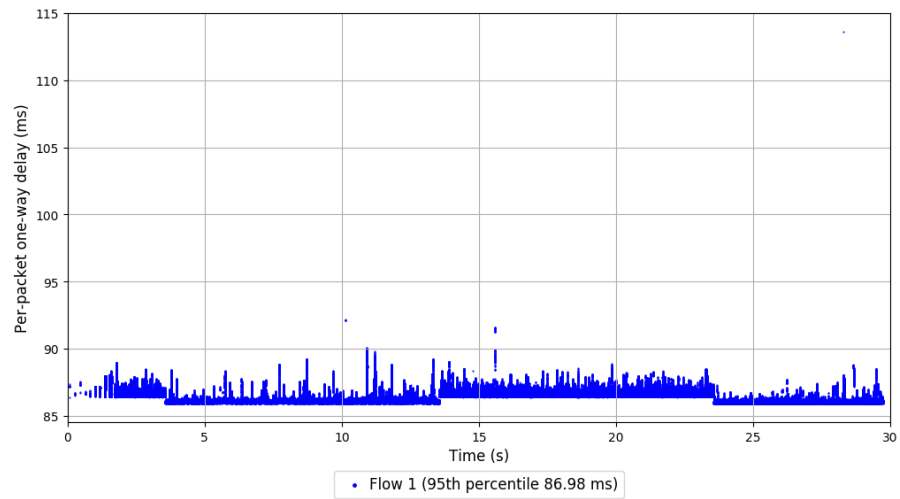
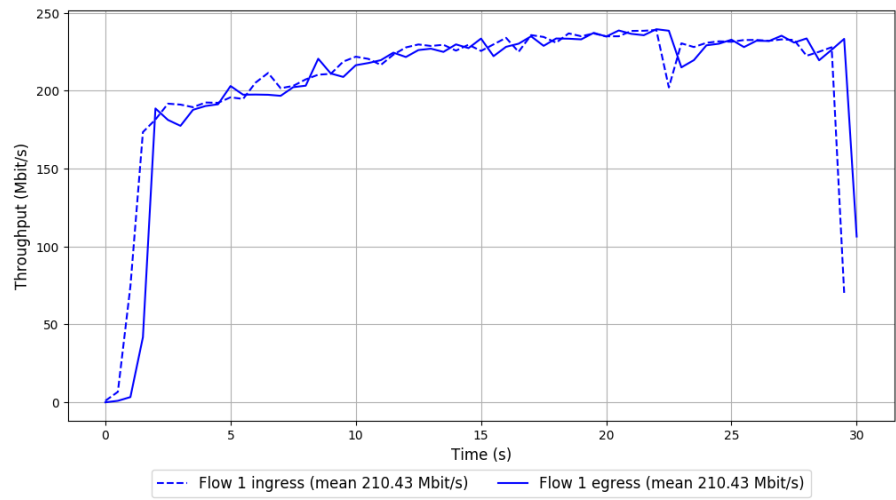
-- Flow 1:

Average throughput: 210.43 Mbit/s

95th percentile per-packet one-way delay: 86.984 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-09 21:03:36

End at: 2018-07-09 21:04:06

Local clock offset: 0.091 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 86.111 ms

Loss rate: 0.00%

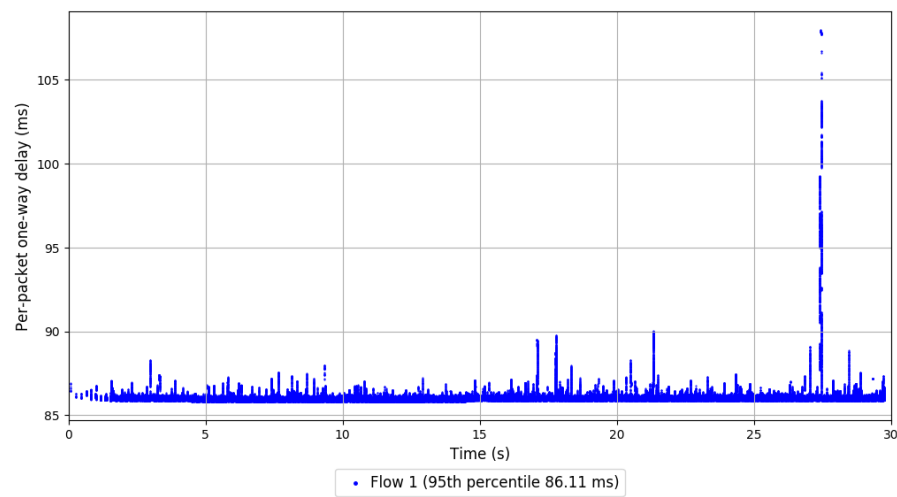
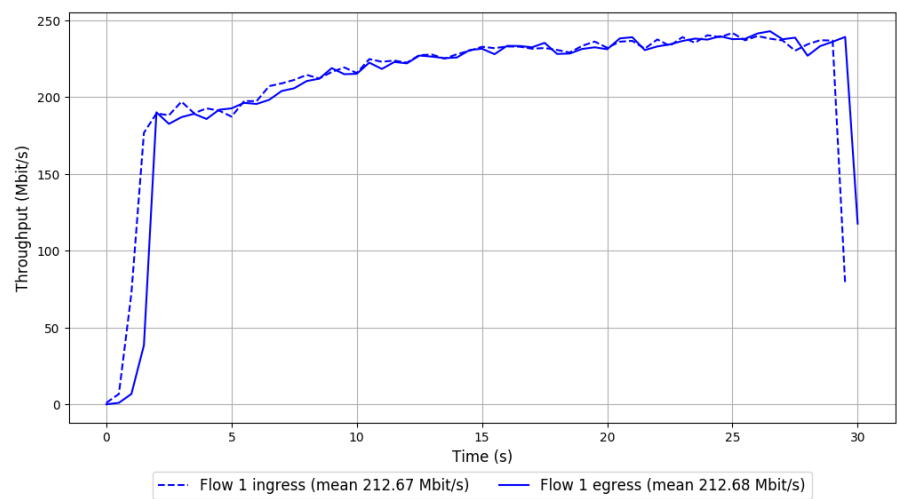
-- Flow 1:

Average throughput: 212.68 Mbit/s

95th percentile per-packet one-way delay: 86.111 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-09 21:25:43

End at: 2018-07-09 21:26:13

Local clock offset: -0.135 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.37 Mbit/s

95th percentile per-packet one-way delay: 86.278 ms

Loss rate: 0.00%

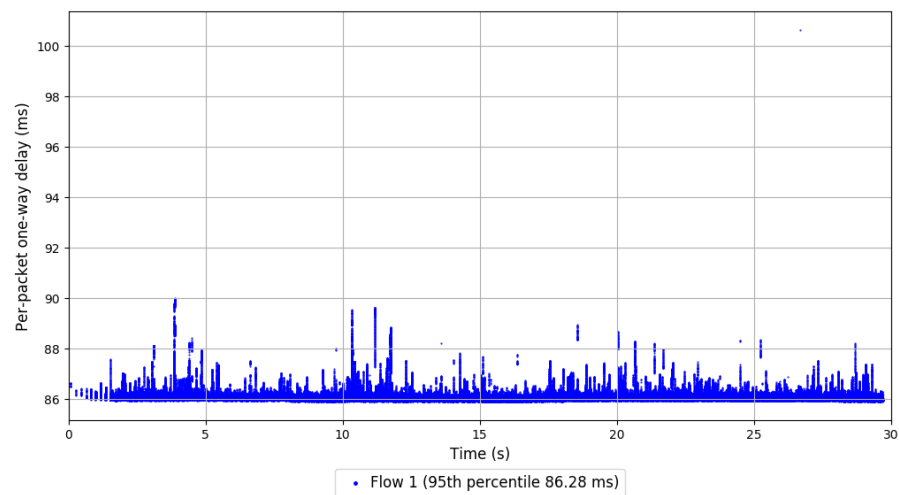
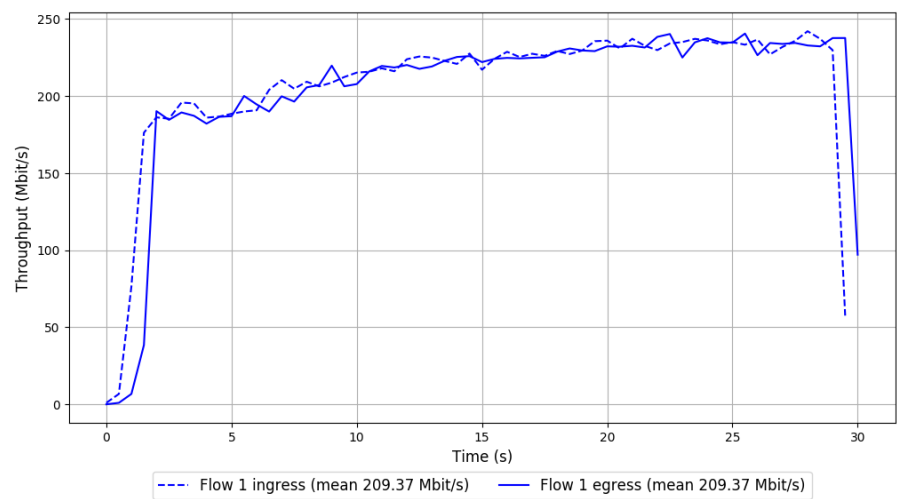
-- Flow 1:

Average throughput: 209.37 Mbit/s

95th percentile per-packet one-way delay: 86.278 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

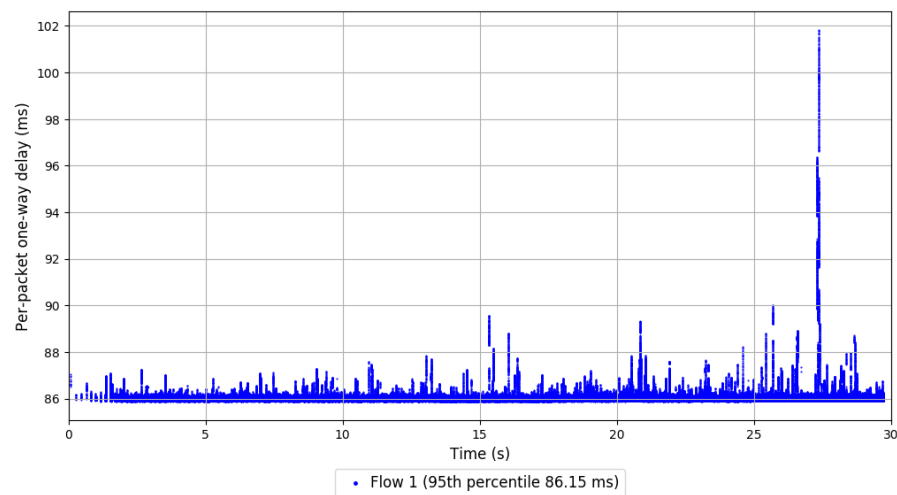
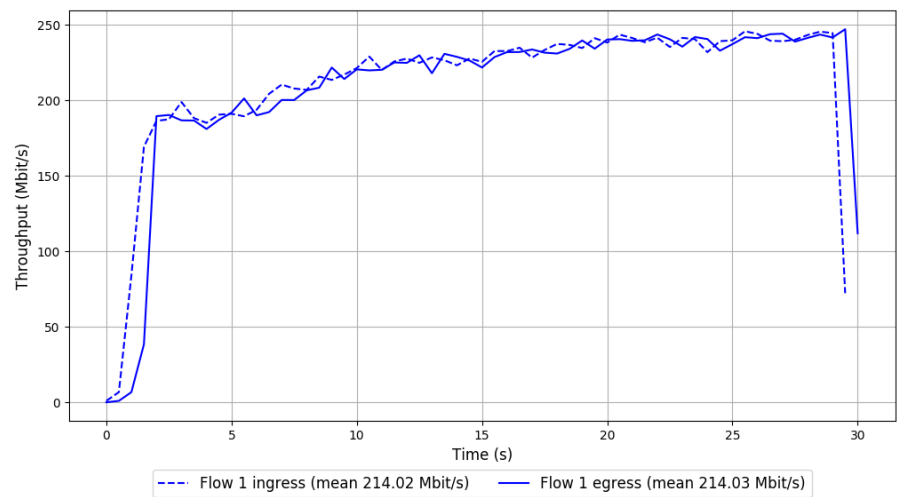


Run 8: Statistics of Indigo

Start at: 2018-07-09 21:48:16
End at: 2018-07-09 21:48:46
Local clock offset: -0.007 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-09 23:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.03 Mbit/s
95th percentile per-packet one-way delay: 86.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.03 Mbit/s
95th percentile per-packet one-way delay: 86.154 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-09 22:10:44

End at: 2018-07-09 22:11:14

Local clock offset: -0.047 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.35 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.00%

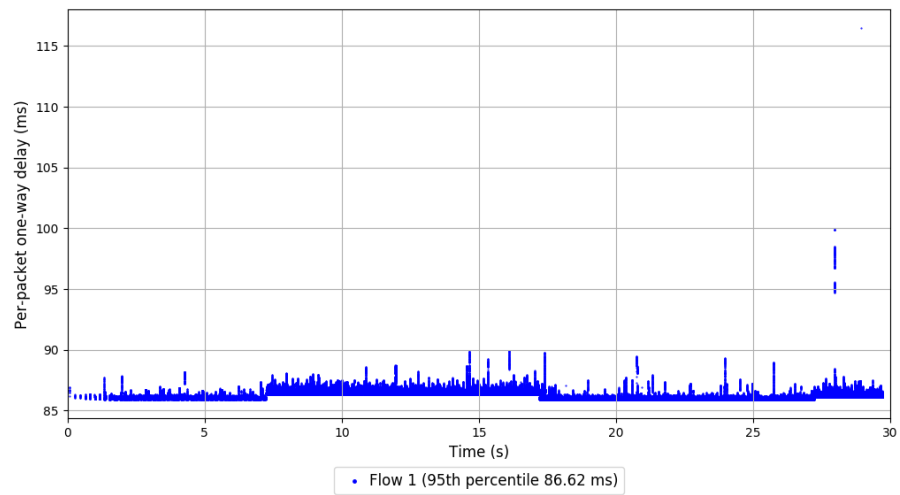
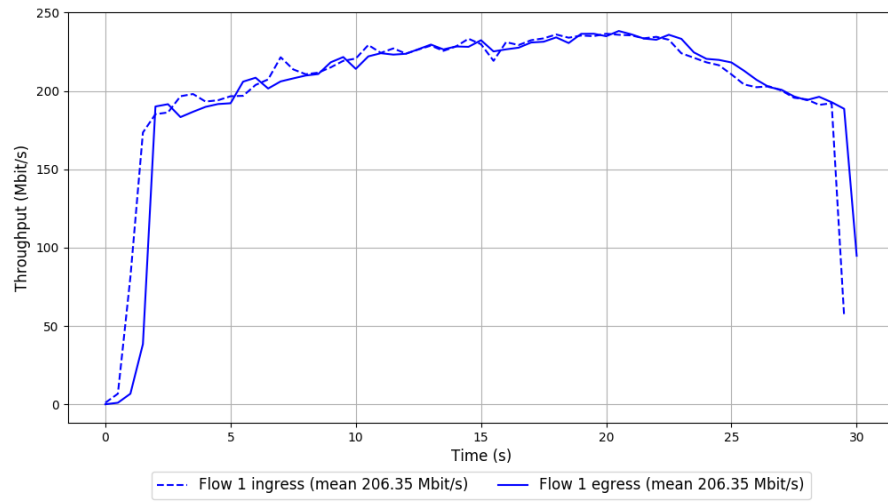
-- Flow 1:

Average throughput: 206.35 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-09 22:32:52

End at: 2018-07-09 22:33:22

Local clock offset: -0.004 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.54 Mbit/s

95th percentile per-packet one-way delay: 86.944 ms

Loss rate: 0.00%

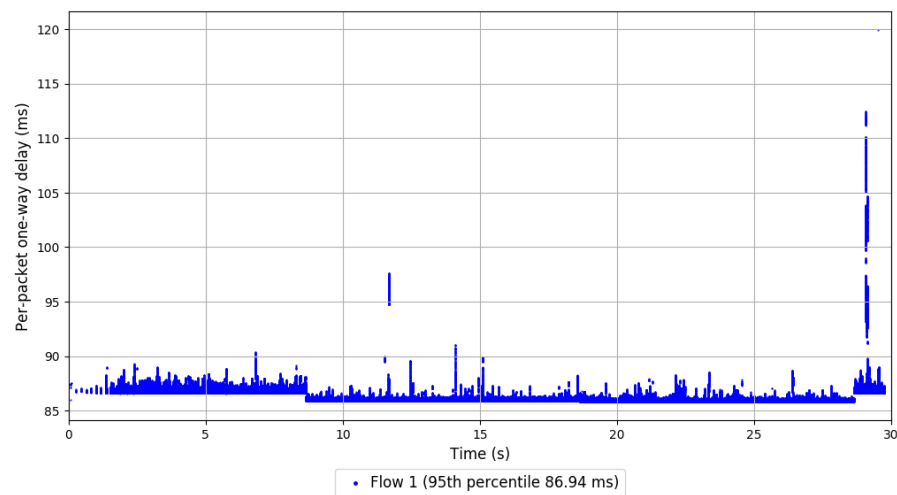
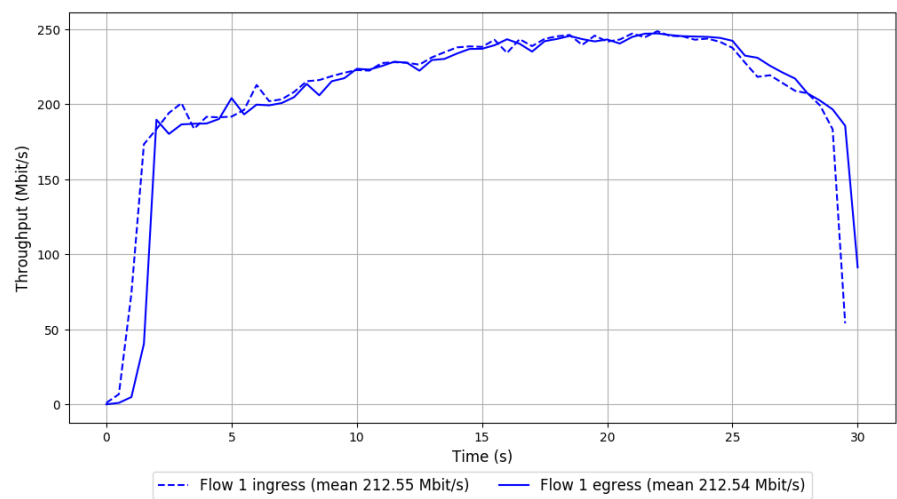
-- Flow 1:

Average throughput: 212.54 Mbit/s

95th percentile per-packet one-way delay: 86.944 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-09 19:05:09

End at: 2018-07-09 19:05:39

Local clock offset: 0.176 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 88.244 ms

Loss rate: 0.00%

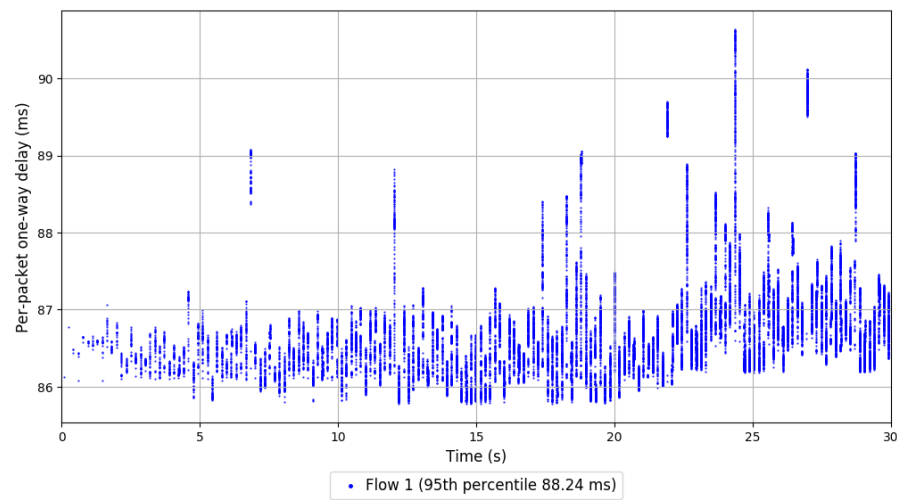
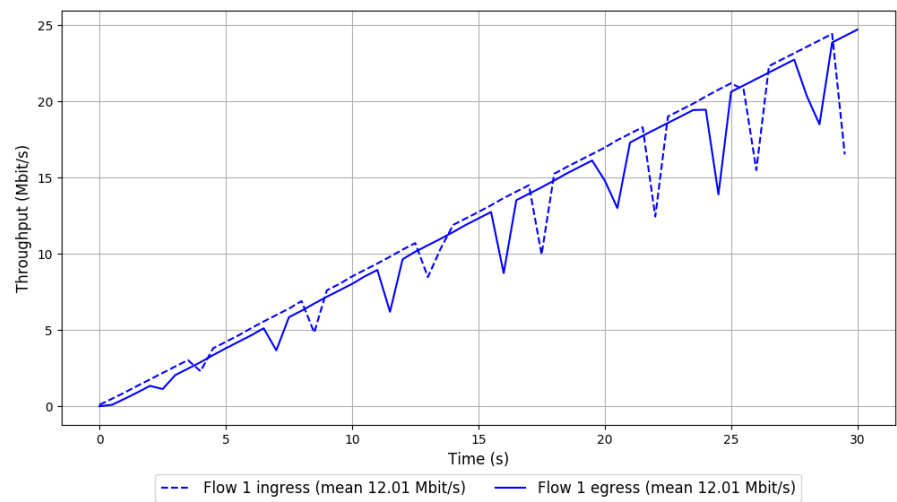
-- Flow 1:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 88.244 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-09 19:27:36

End at: 2018-07-09 19:28:07

Local clock offset: 0.178 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 88.257 ms

Loss rate: 0.00%

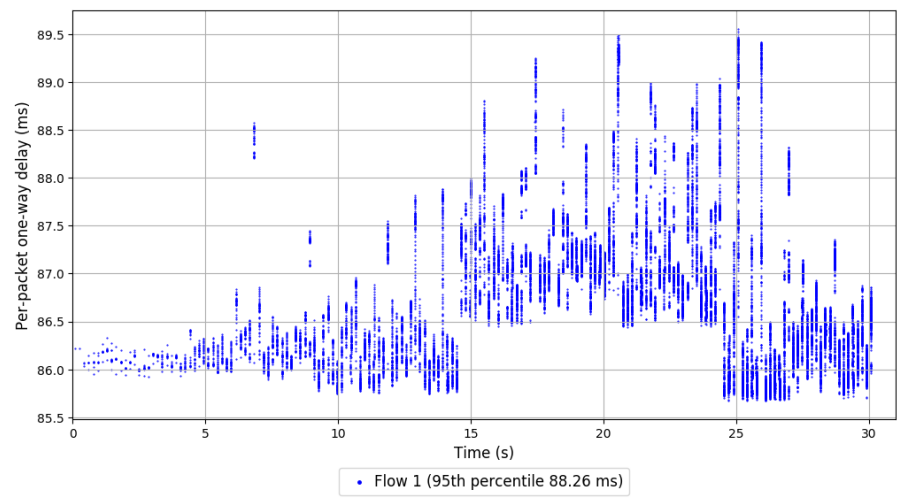
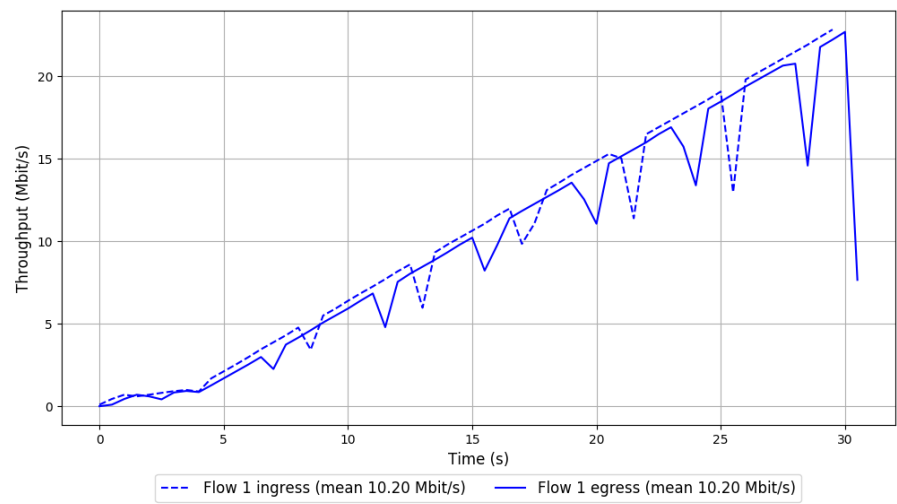
-- Flow 1:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 88.257 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

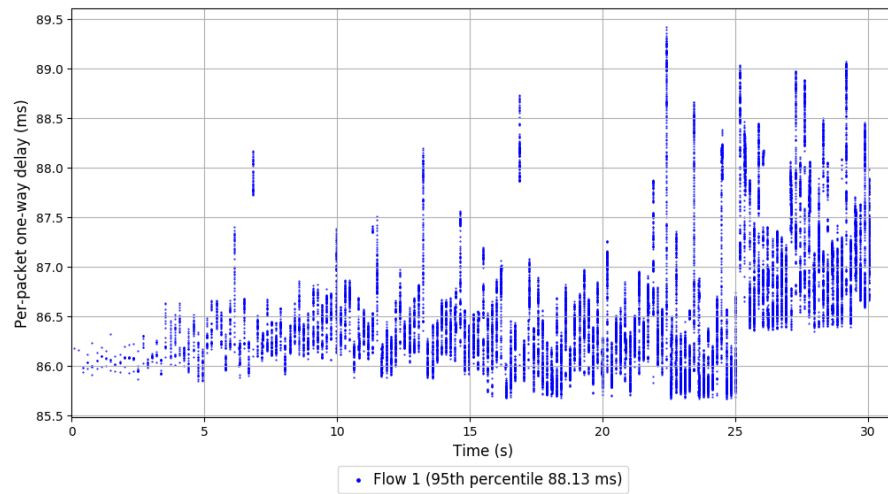
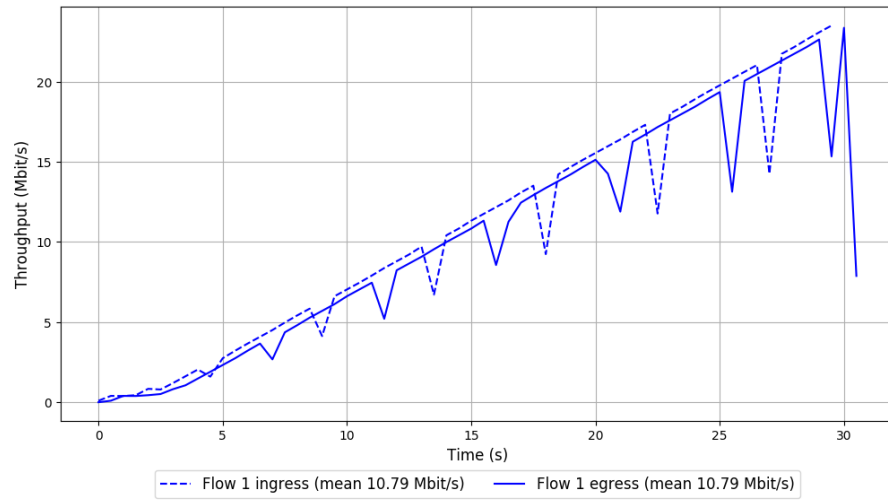


Run 3: Statistics of LEDBAT

Start at: 2018-07-09 19:50:06
End at: 2018-07-09 19:50:36
Local clock offset: 0.217 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-09 23:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 88.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 88.126 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-09 20:12:48

End at: 2018-07-09 20:13:18

Local clock offset: 0.121 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 87.756 ms

Loss rate: 0.00%

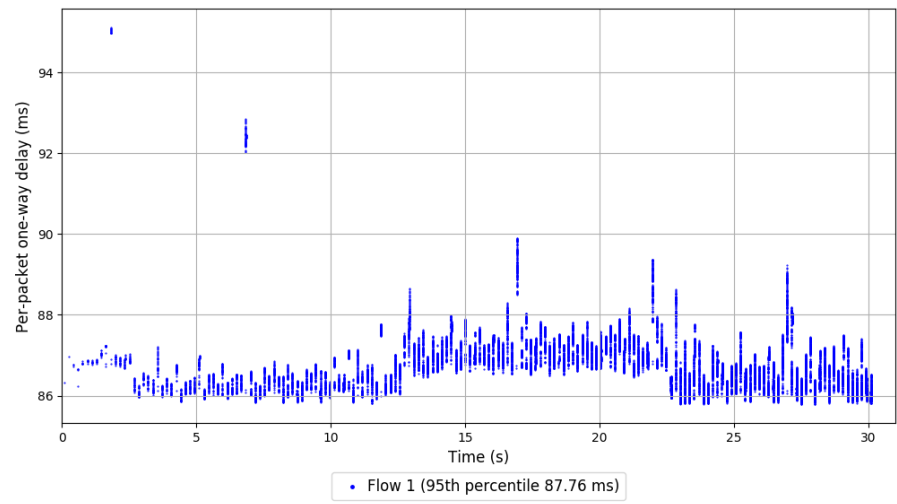
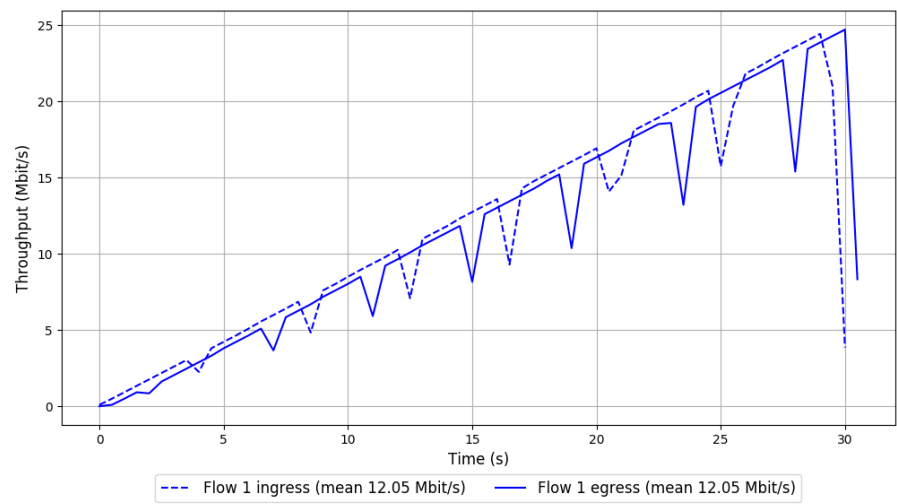
-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 87.756 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

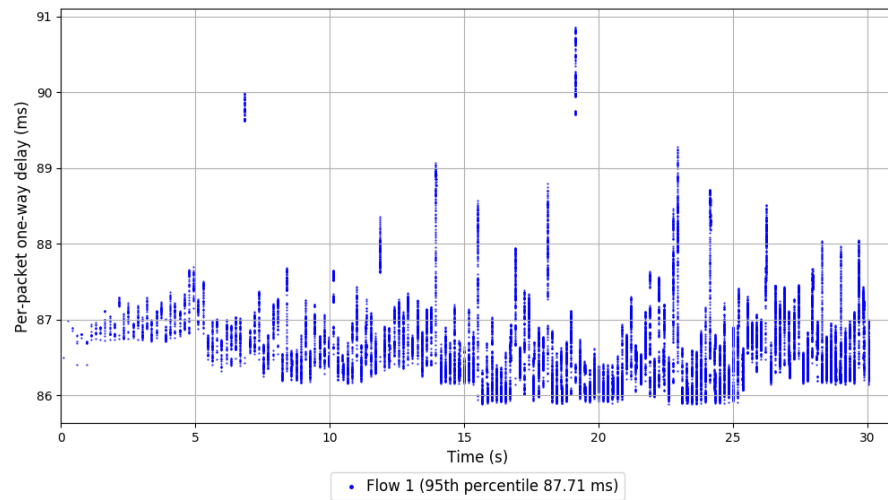
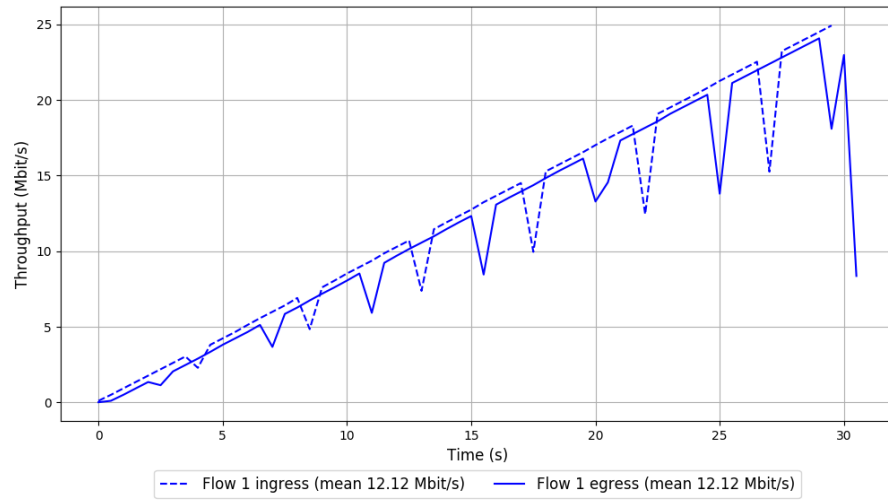


Run 5: Statistics of LEDBAT

Start at: 2018-07-09 20:35:16
End at: 2018-07-09 20:35:46
Local clock offset: -0.081 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-09 23:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.711 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-09 20:57:45

End at: 2018-07-09 20:58:15

Local clock offset: -0.141 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.726 ms

Loss rate: 0.00%

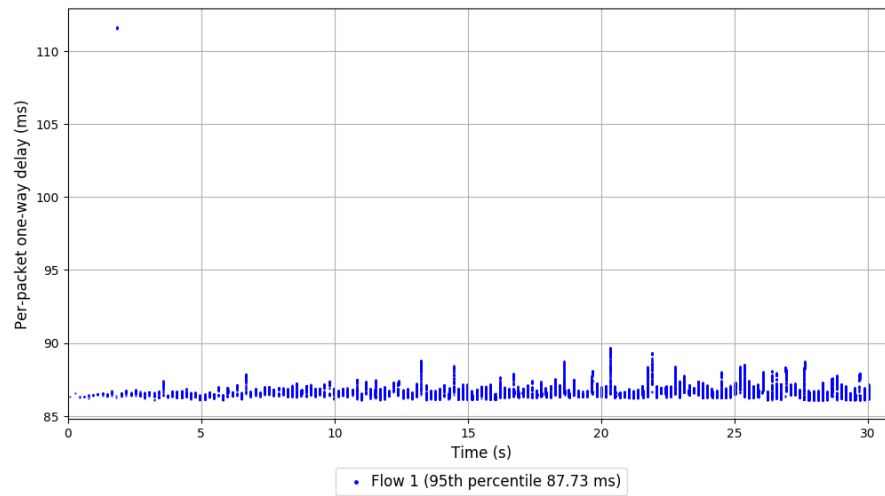
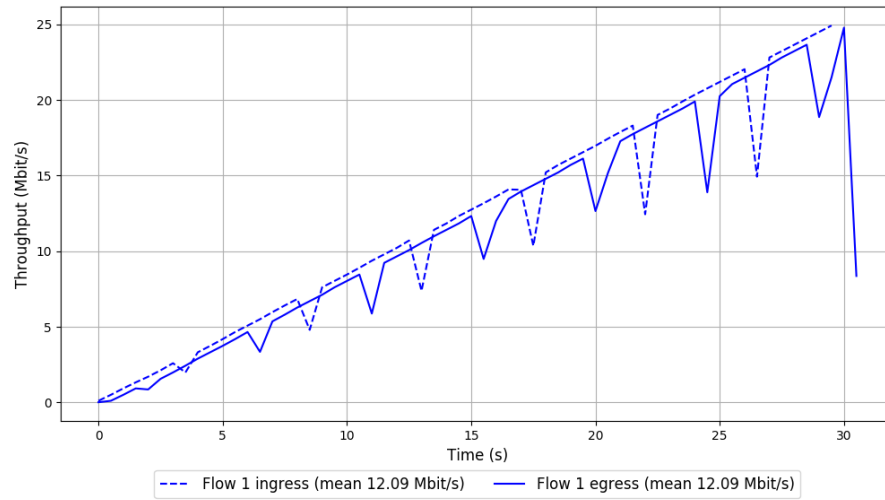
-- Flow 1:

Average throughput: 12.09 Mbit/s

95th percentile per-packet one-way delay: 87.726 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-09 21:19:50

End at: 2018-07-09 21:20:20

Local clock offset: 0.019 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 87.465 ms

Loss rate: 0.00%

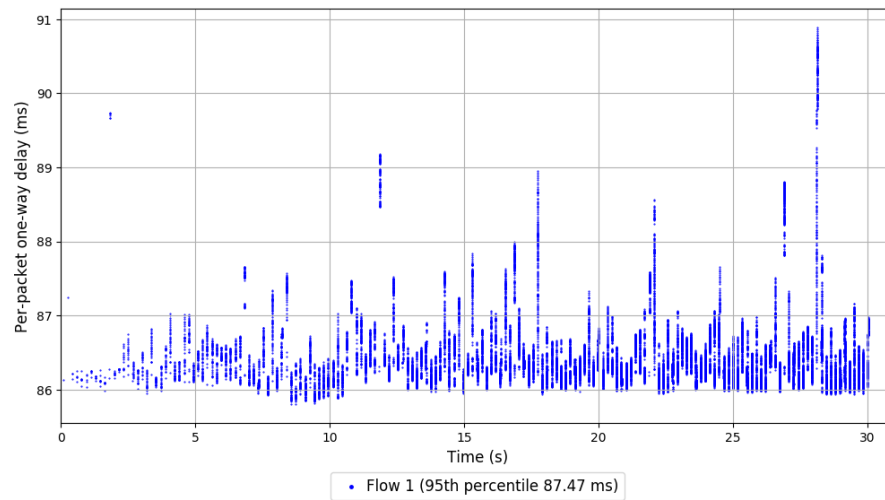
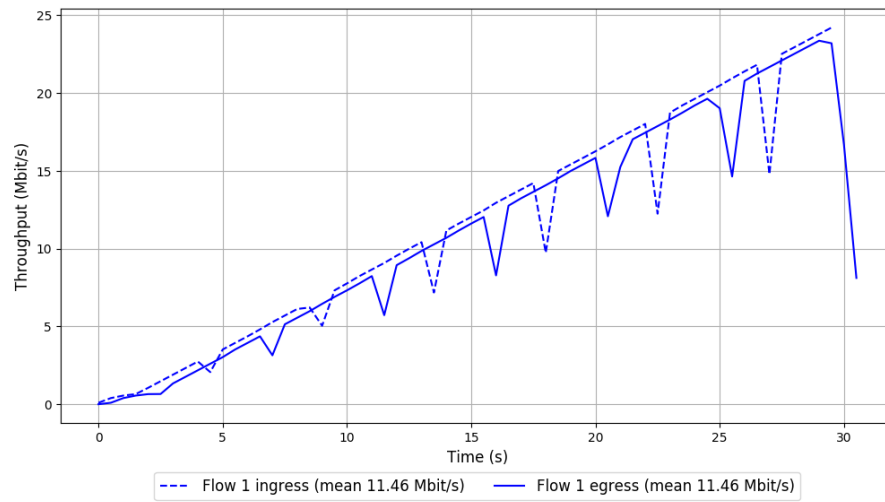
-- Flow 1:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 87.465 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-09 21:42:27

End at: 2018-07-09 21:42:57

Local clock offset: 0.077 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 87.027 ms

Loss rate: 0.00%

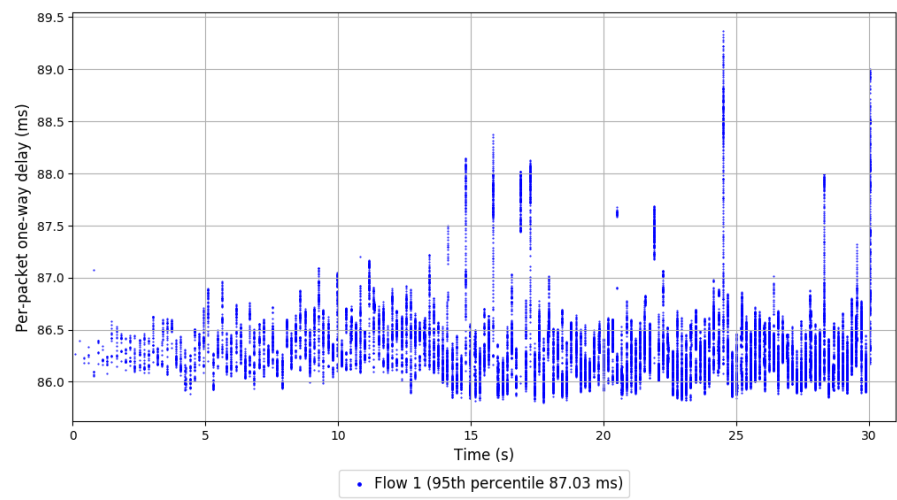
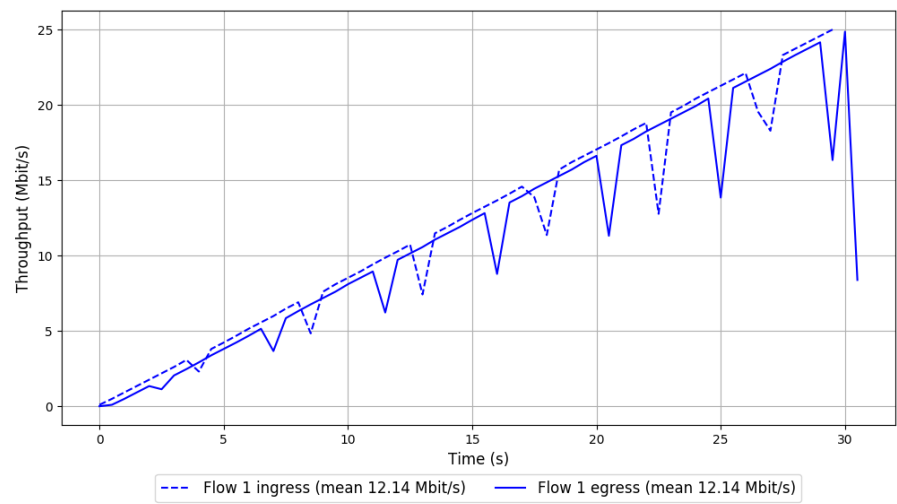
-- Flow 1:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 87.027 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-09 22:04:52

End at: 2018-07-09 22:05:23

Local clock offset: -0.126 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 88.668 ms

Loss rate: 0.00%

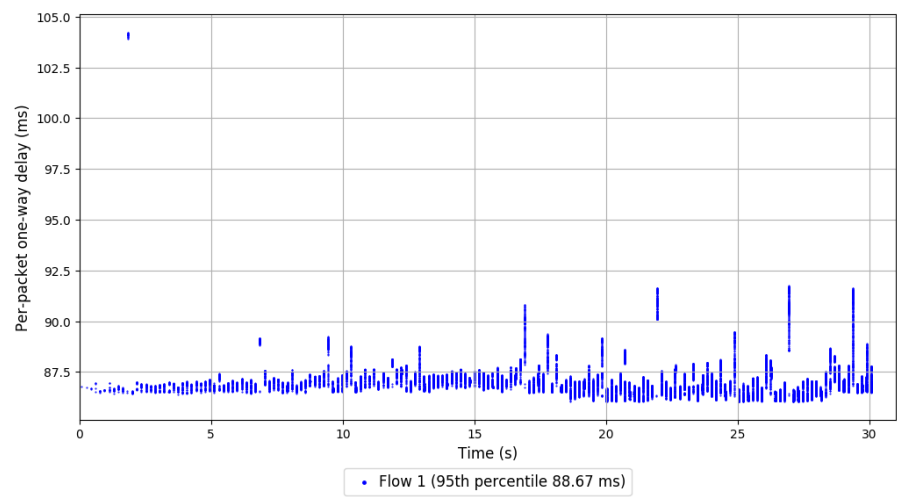
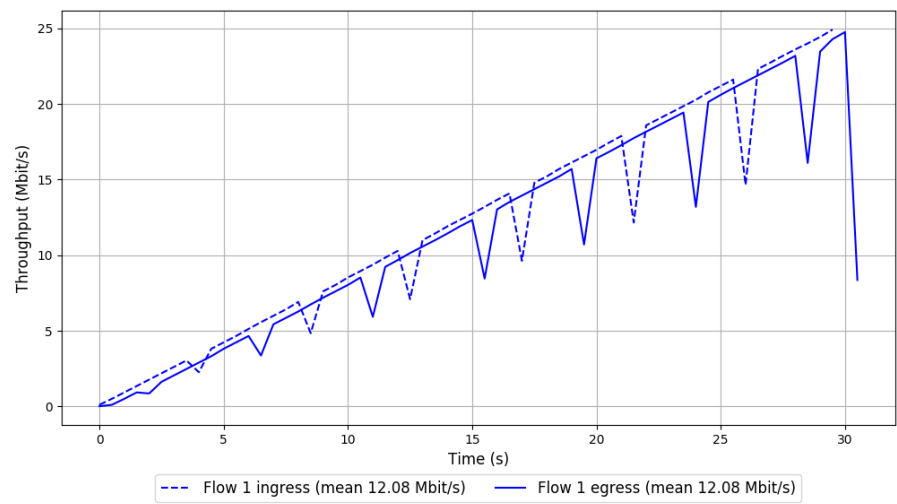
-- Flow 1:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 88.668 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-09 22:27:04

End at: 2018-07-09 22:27:34

Local clock offset: -0.218 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-09 23:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 88.105 ms

Loss rate: 0.00%

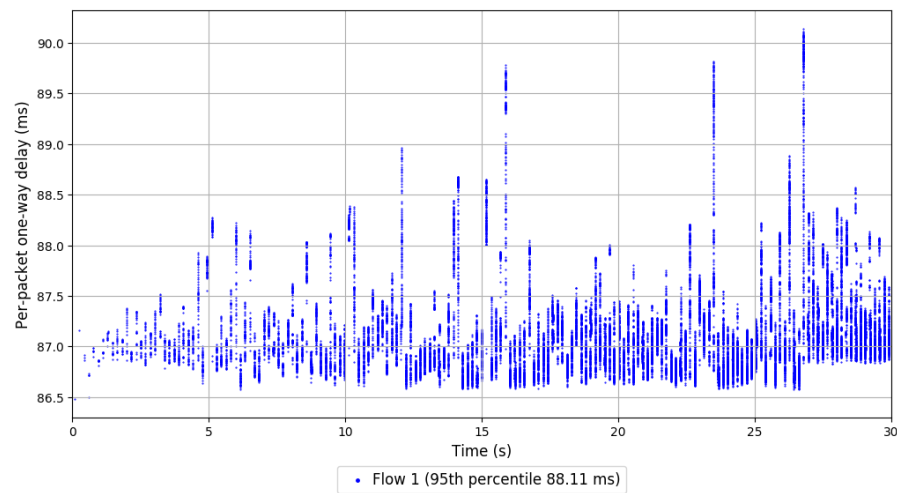
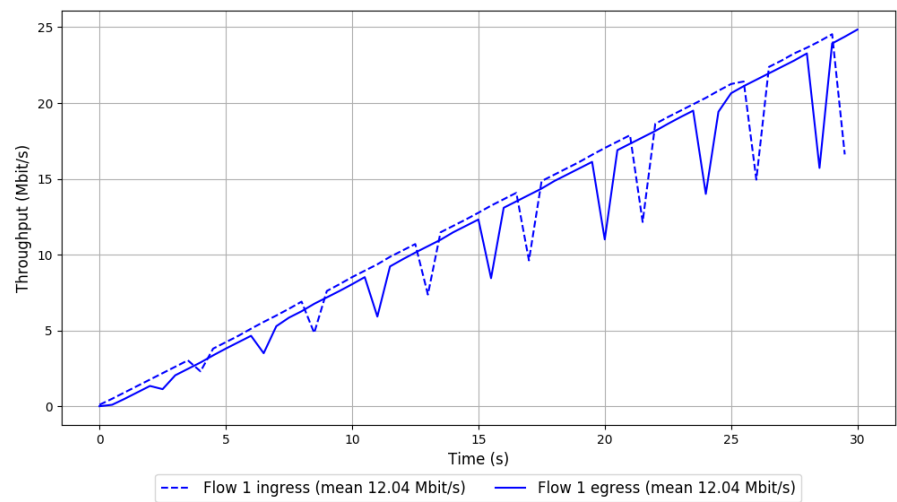
-- Flow 1:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 88.105 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-09 19:03:43

End at: 2018-07-09 19:04:13

Local clock offset: 0.059 ms

Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-09 23:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.18 Mbit/s

95th percentile per-packet one-way delay: 122.817 ms

Loss rate: 0.81%

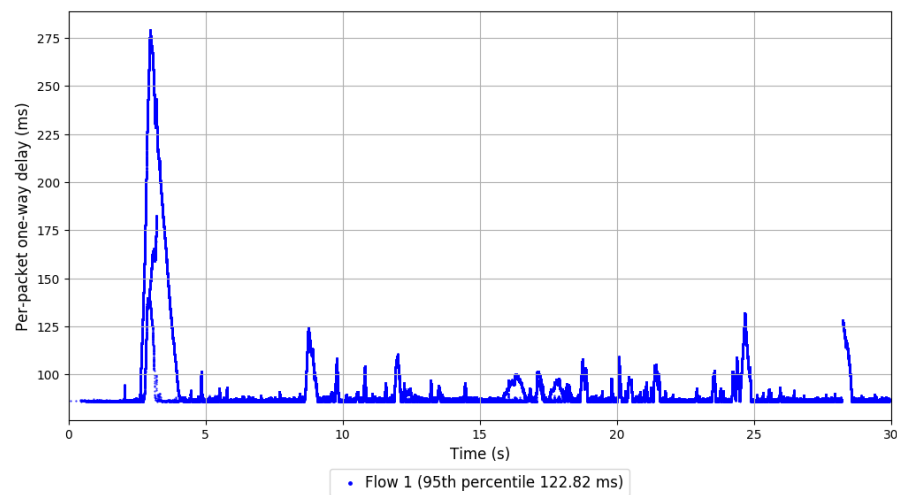
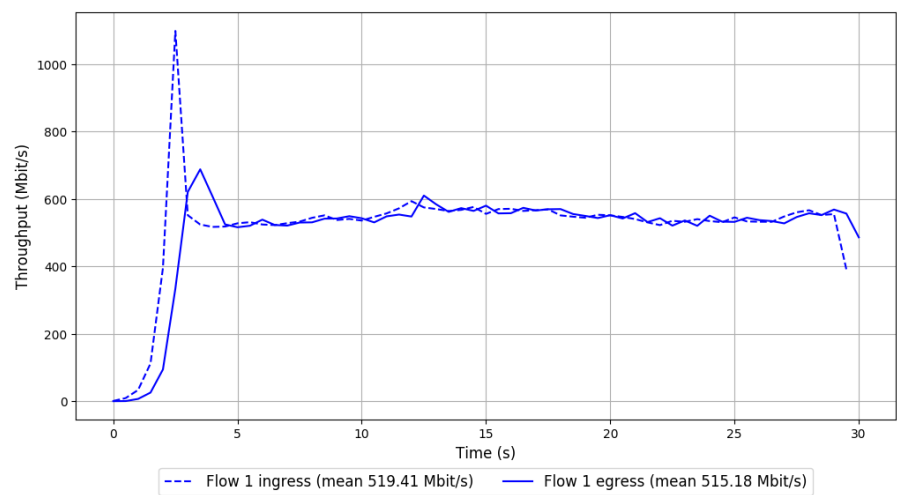
-- Flow 1:

Average throughput: 515.18 Mbit/s

95th percentile per-packet one-way delay: 122.817 ms

Loss rate: 0.81%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-09 19:26:11

End at: 2018-07-09 19:26:41

Local clock offset: 0.059 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-09 23:53:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.70 Mbit/s

95th percentile per-packet one-way delay: 130.374 ms

Loss rate: 1.22%

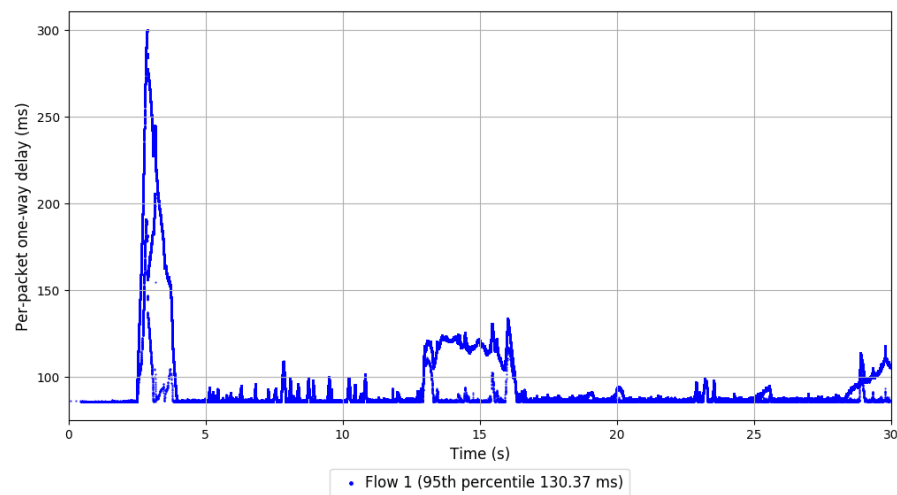
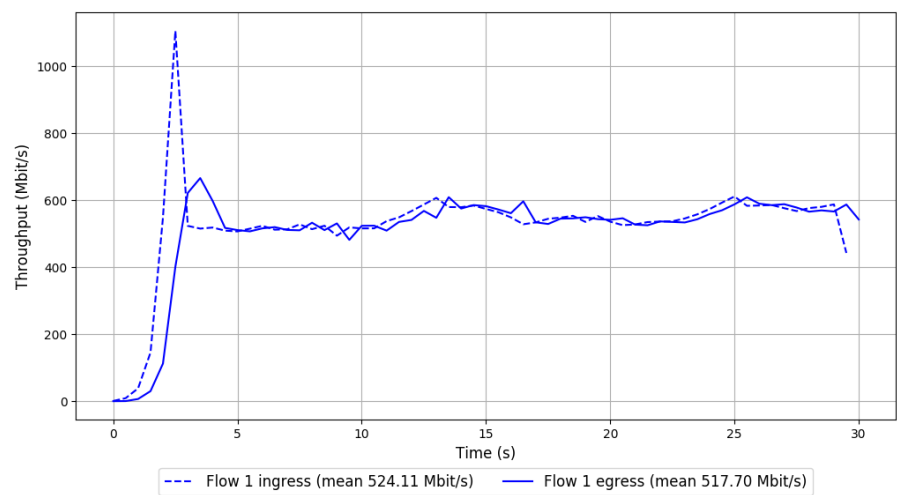
-- Flow 1:

Average throughput: 517.70 Mbit/s

95th percentile per-packet one-way delay: 130.374 ms

Loss rate: 1.22%

Run 2: Report of PCC-Allegro — Data Link

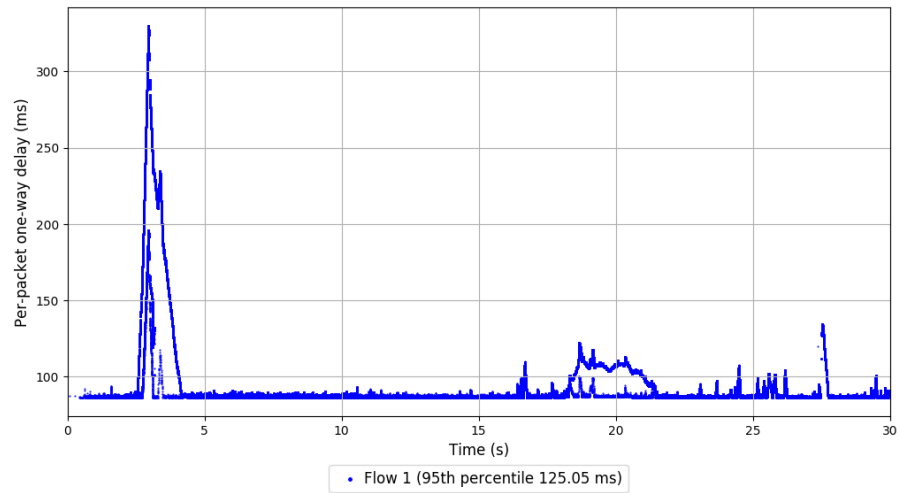
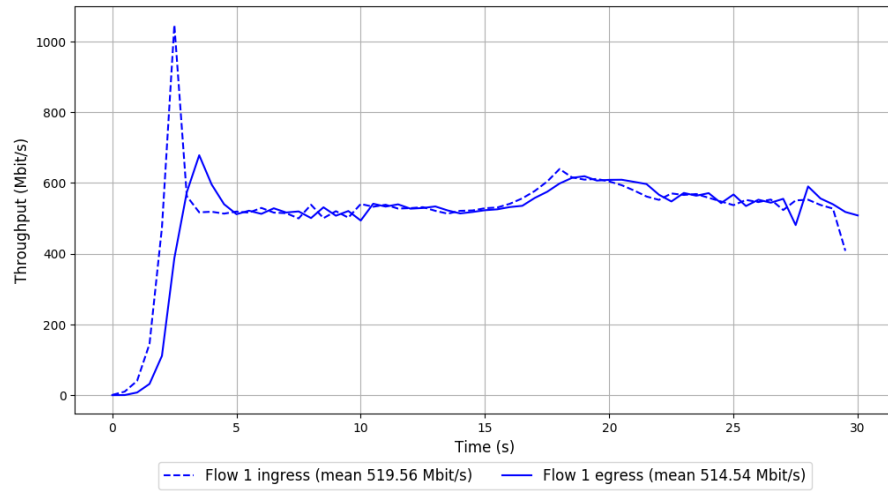


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-09 19:48:40
End at: 2018-07-09 19:49:10
Local clock offset: -0.034 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-09 23:53:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 514.54 Mbit/s
95th percentile per-packet one-way delay: 125.045 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 514.54 Mbit/s
95th percentile per-packet one-way delay: 125.045 ms
Loss rate: 0.97%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-09 20:11:21

End at: 2018-07-09 20:11:51

Local clock offset: -0.051 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-09 23:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.57 Mbit/s

95th percentile per-packet one-way delay: 166.299 ms

Loss rate: 1.40%

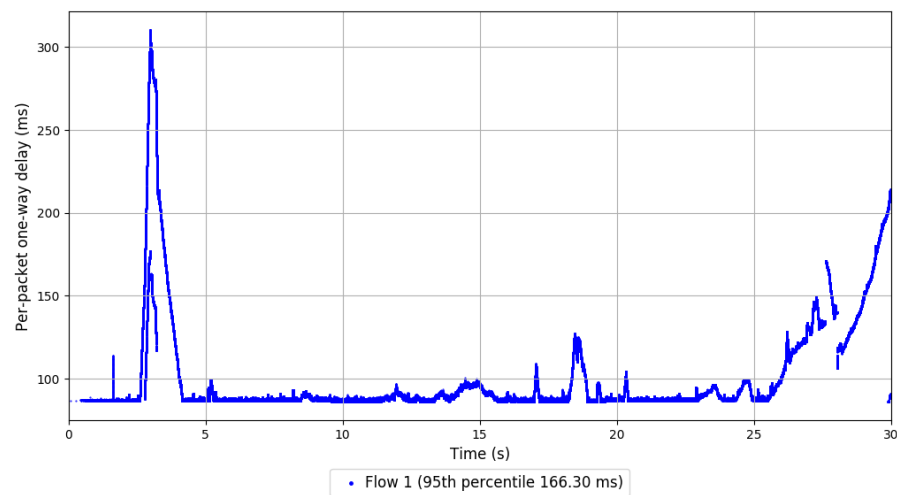
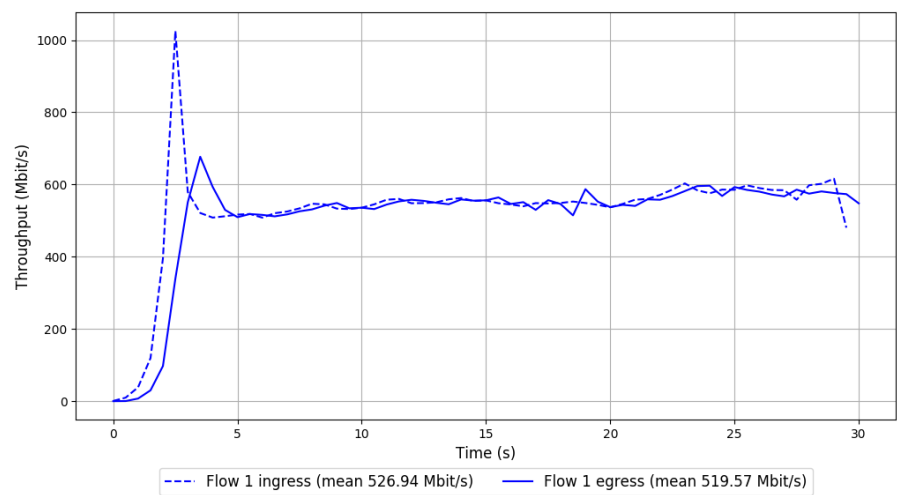
-- Flow 1:

Average throughput: 519.57 Mbit/s

95th percentile per-packet one-way delay: 166.299 ms

Loss rate: 1.40%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-09 20:33:50

End at: 2018-07-09 20:34:20

Local clock offset: 0.003 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-09 23:53:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.33 Mbit/s

95th percentile per-packet one-way delay: 212.591 ms

Loss rate: 0.79%

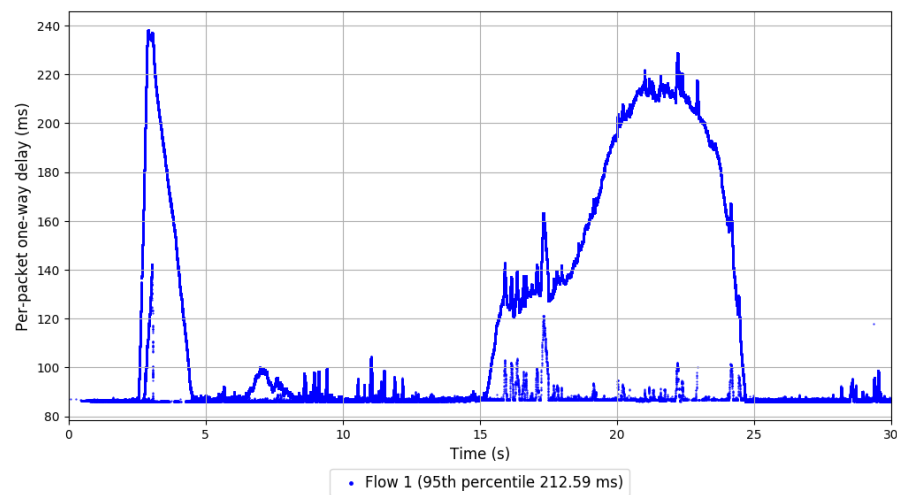
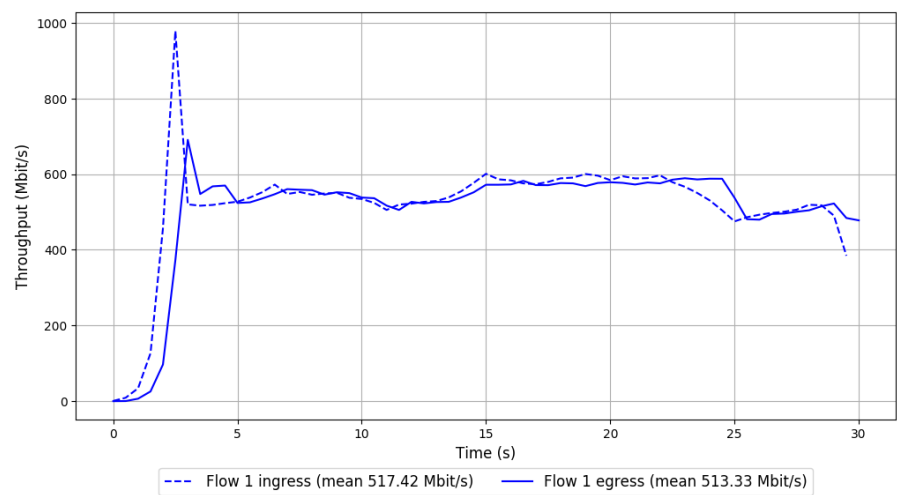
-- Flow 1:

Average throughput: 513.33 Mbit/s

95th percentile per-packet one-way delay: 212.591 ms

Loss rate: 0.79%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-09 20:56:19

End at: 2018-07-09 20:56:49

Local clock offset: -0.204 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-09 23:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.41 Mbit/s

95th percentile per-packet one-way delay: 173.308 ms

Loss rate: 0.89%

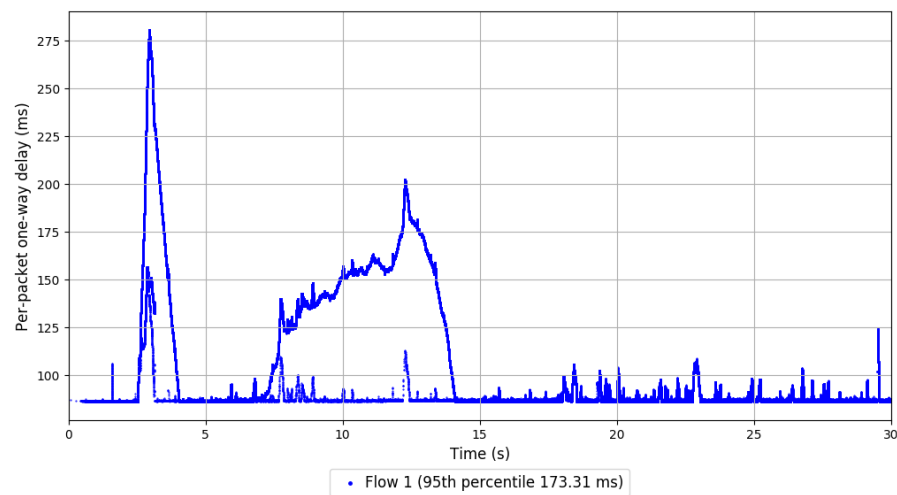
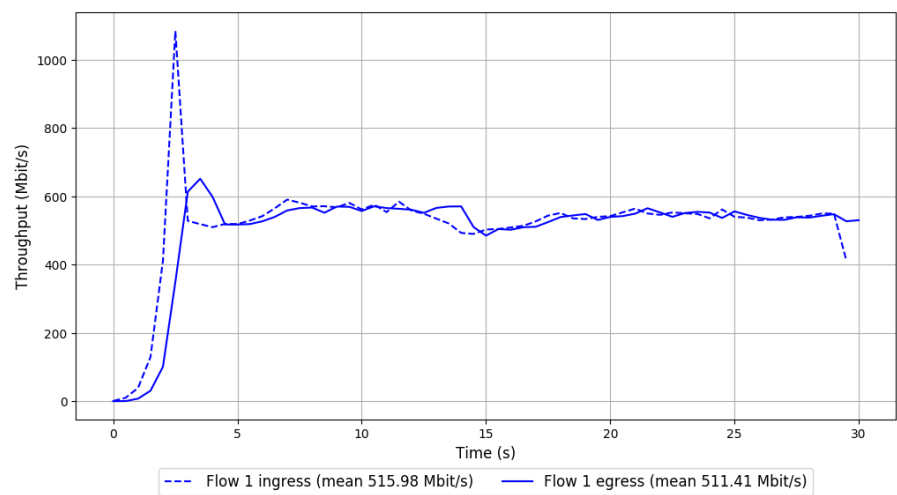
-- Flow 1:

Average throughput: 511.41 Mbit/s

95th percentile per-packet one-way delay: 173.308 ms

Loss rate: 0.89%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-09 21:18:25

End at: 2018-07-09 21:18:55

Local clock offset: -0.02 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-10 00:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.35 Mbit/s

95th percentile per-packet one-way delay: 110.948 ms

Loss rate: 0.68%

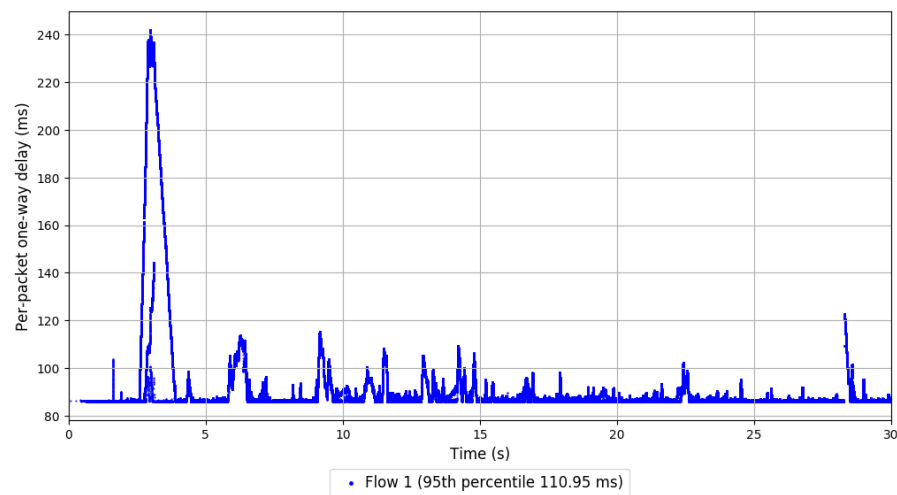
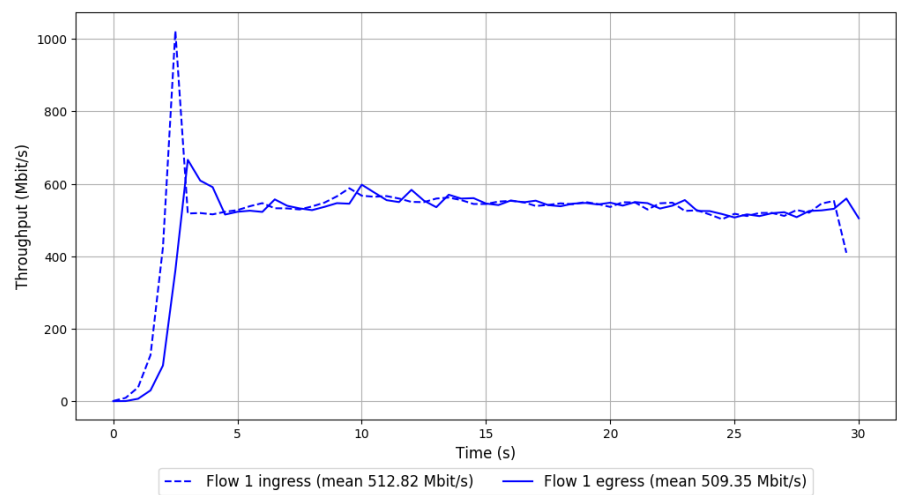
-- Flow 1:

Average throughput: 509.35 Mbit/s

95th percentile per-packet one-way delay: 110.948 ms

Loss rate: 0.68%

Run 7: Report of PCC-Allegro — Data Link

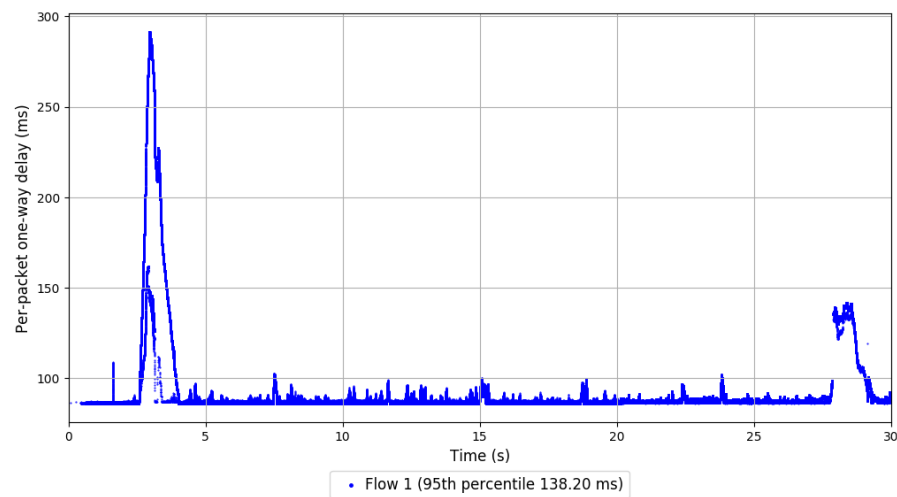
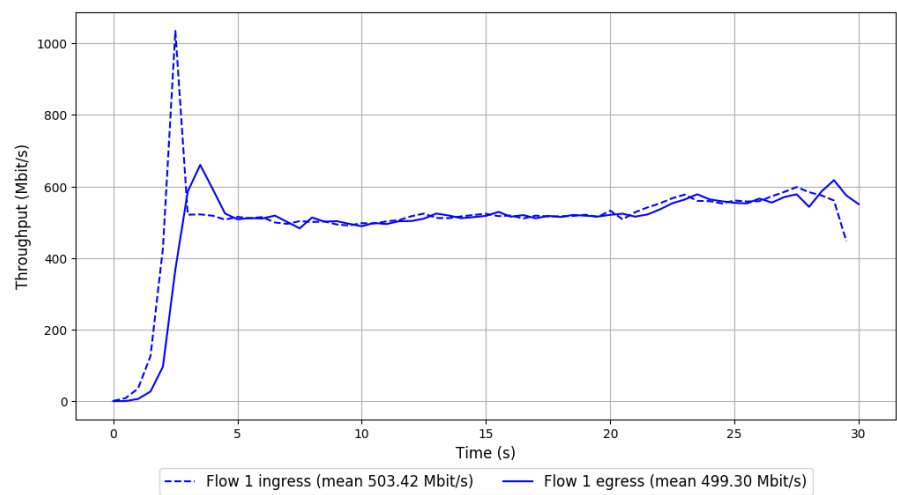


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-09 21:41:01
End at: 2018-07-09 21:41:31
Local clock offset: 0.057 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-10 00:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.30 Mbit/s
95th percentile per-packet one-way delay: 138.201 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 499.30 Mbit/s
95th percentile per-packet one-way delay: 138.201 ms
Loss rate: 0.82%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-09 22:03:27

End at: 2018-07-09 22:03:57

Local clock offset: 0.113 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-10 00:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.93 Mbit/s

95th percentile per-packet one-way delay: 148.071 ms

Loss rate: 0.65%

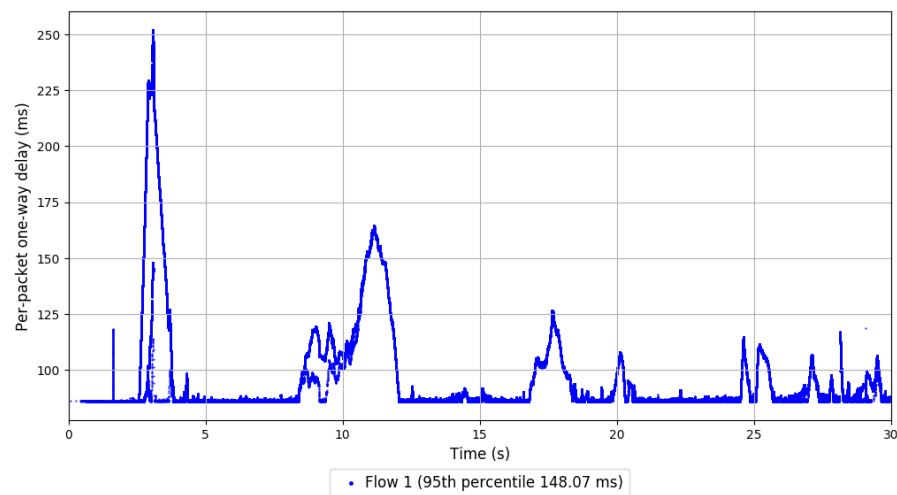
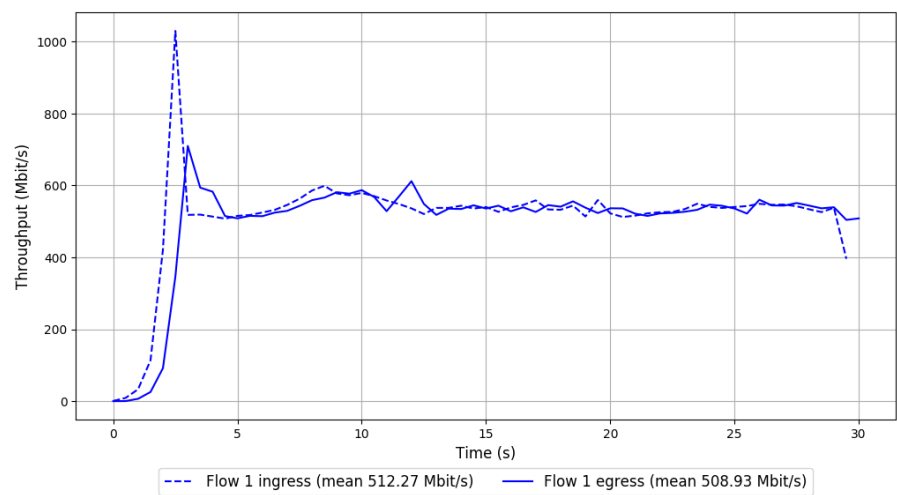
-- Flow 1:

Average throughput: 508.93 Mbit/s

95th percentile per-packet one-way delay: 148.071 ms

Loss rate: 0.65%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-09 22:25:38

End at: 2018-07-09 22:26:08

Local clock offset: -0.055 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-10 00:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.09 Mbit/s

95th percentile per-packet one-way delay: 124.125 ms

Loss rate: 0.74%

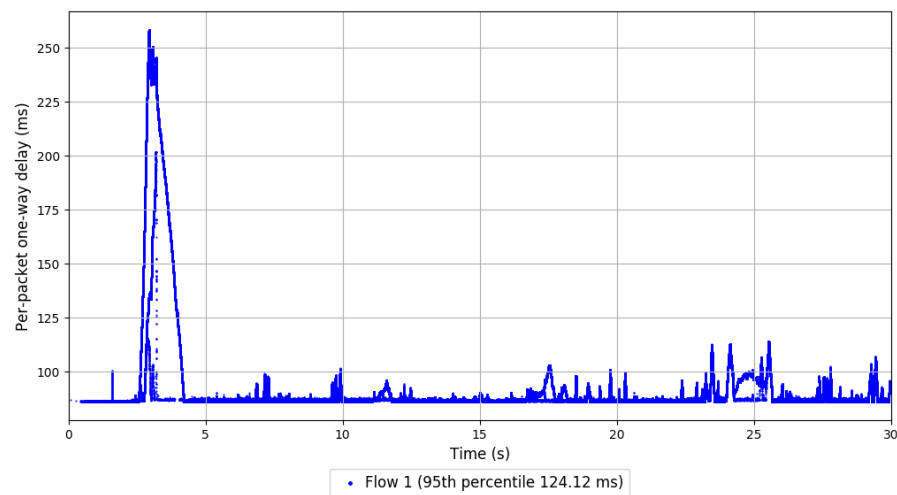
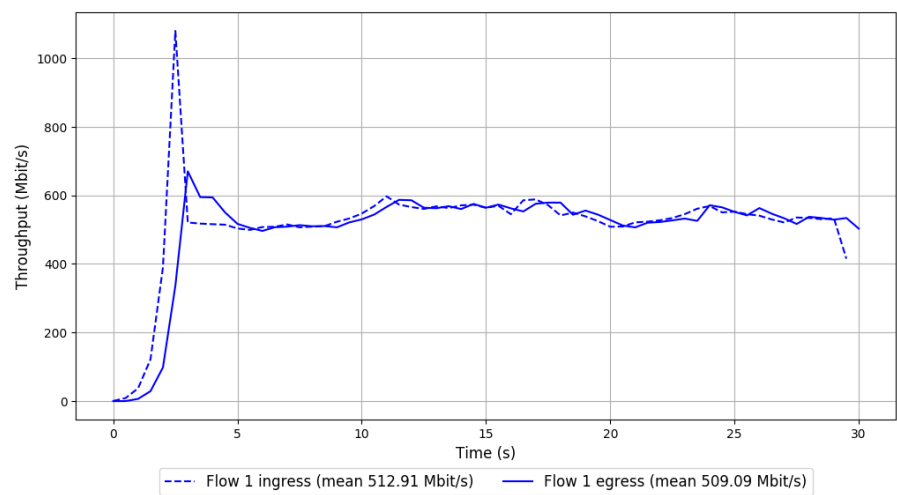
-- Flow 1:

Average throughput: 509.09 Mbit/s

95th percentile per-packet one-way delay: 124.125 ms

Loss rate: 0.74%

Run 10: Report of PCC-Allegro — Data Link

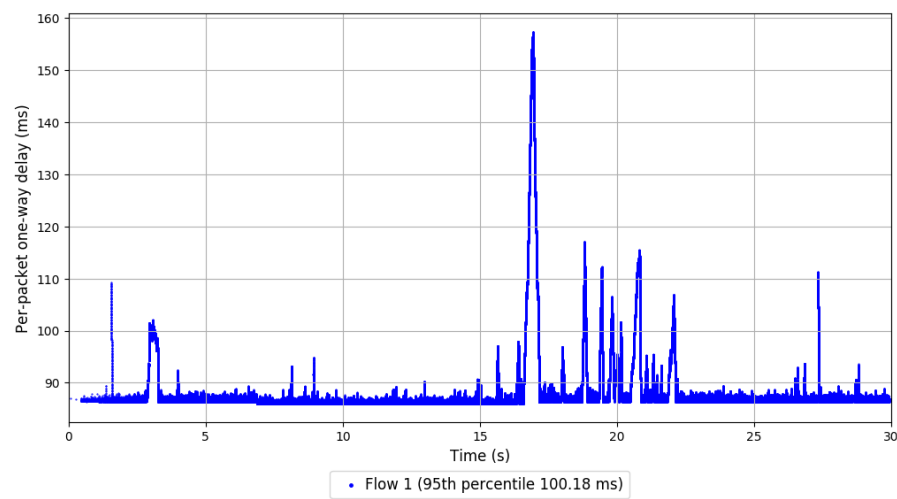
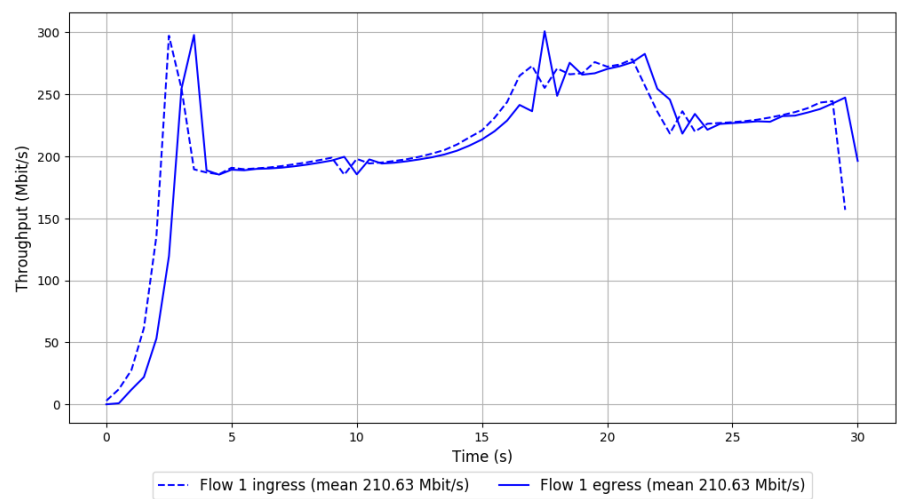


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-09 19:00:44
End at: 2018-07-09 19:01:14
Local clock offset: -0.019 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2018-07-10 00:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.63 Mbit/s
95th percentile per-packet one-way delay: 100.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.63 Mbit/s
95th percentile per-packet one-way delay: 100.183 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

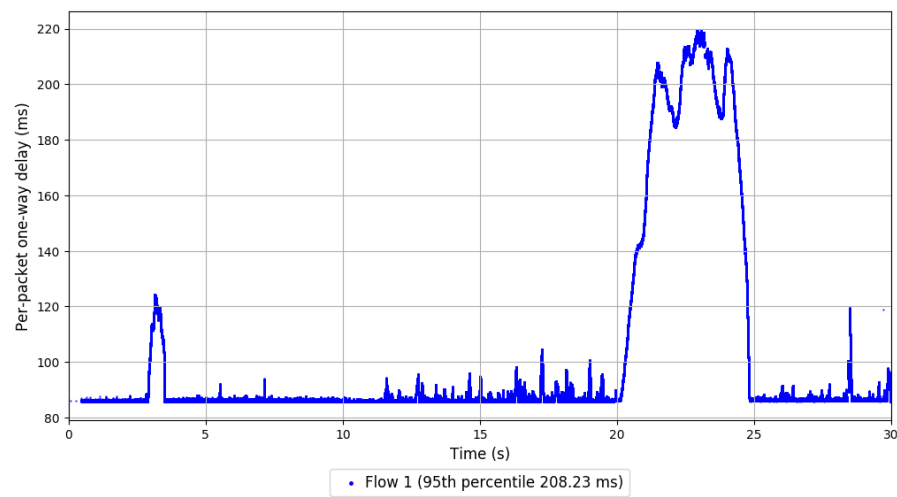
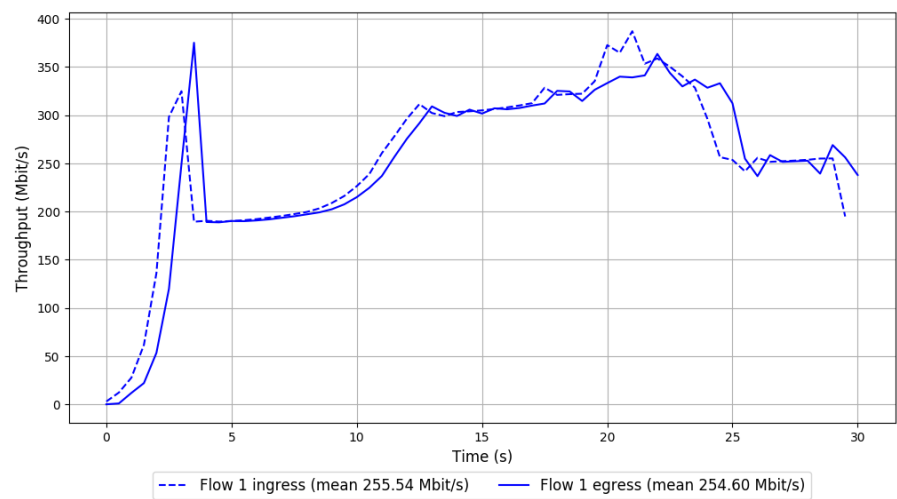


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-09 19:23:11
End at: 2018-07-09 19:23:41
Local clock offset: 0.113 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-07-10 00:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.60 Mbit/s
95th percentile per-packet one-way delay: 208.232 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 254.60 Mbit/s
95th percentile per-packet one-way delay: 208.232 ms
Loss rate: 0.37%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-09 19:45:46

End at: 2018-07-09 19:46:16

Local clock offset: -0.089 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-10 00:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.23 Mbit/s

95th percentile per-packet one-way delay: 100.600 ms

Loss rate: 0.04%

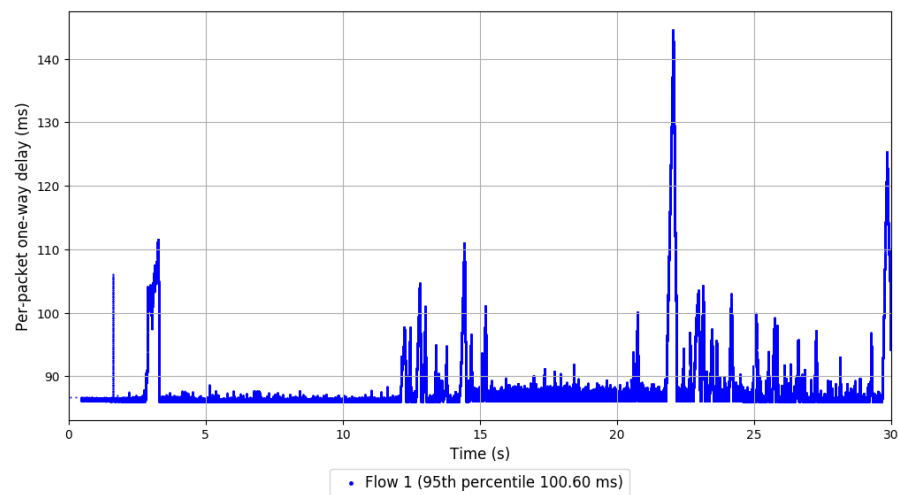
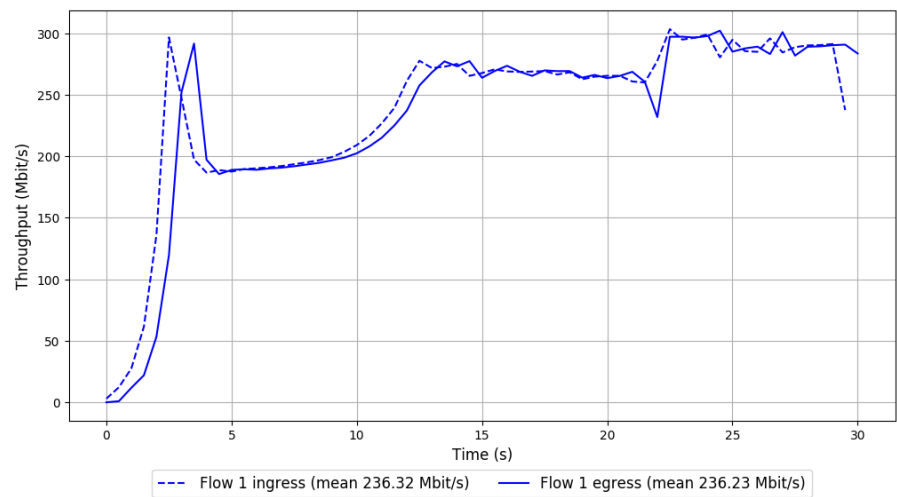
-- Flow 1:

Average throughput: 236.23 Mbit/s

95th percentile per-packet one-way delay: 100.600 ms

Loss rate: 0.04%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-09 20:08:18

End at: 2018-07-09 20:08:48

Local clock offset: -0.038 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-10 00:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.24 Mbit/s

95th percentile per-packet one-way delay: 209.473 ms

Loss rate: 0.73%

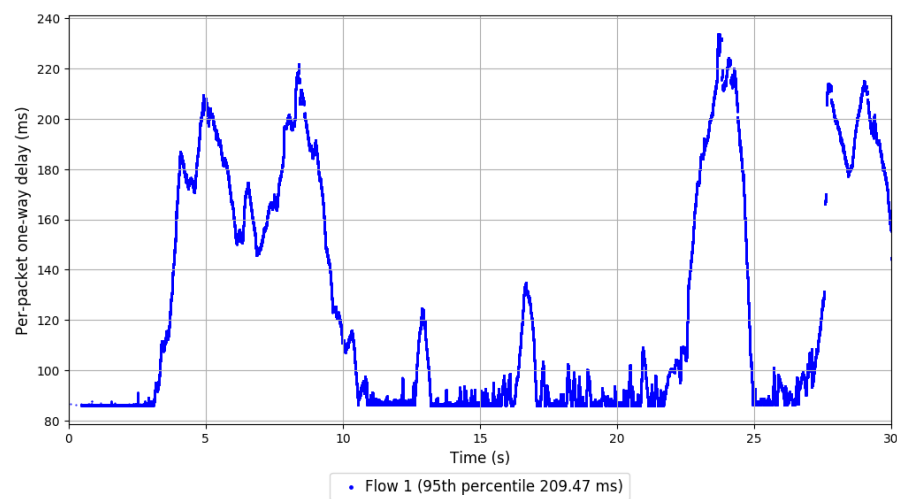
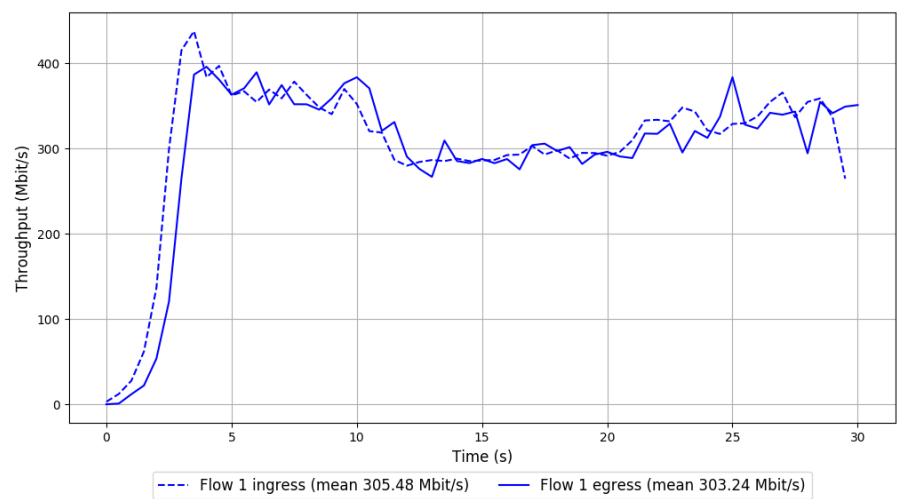
-- Flow 1:

Average throughput: 303.24 Mbit/s

95th percentile per-packet one-way delay: 209.473 ms

Loss rate: 0.73%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-09 20:30:53

End at: 2018-07-09 20:31:24

Local clock offset: 0.042 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-10 00:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.75 Mbit/s

95th percentile per-packet one-way delay: 199.936 ms

Loss rate: 0.26%

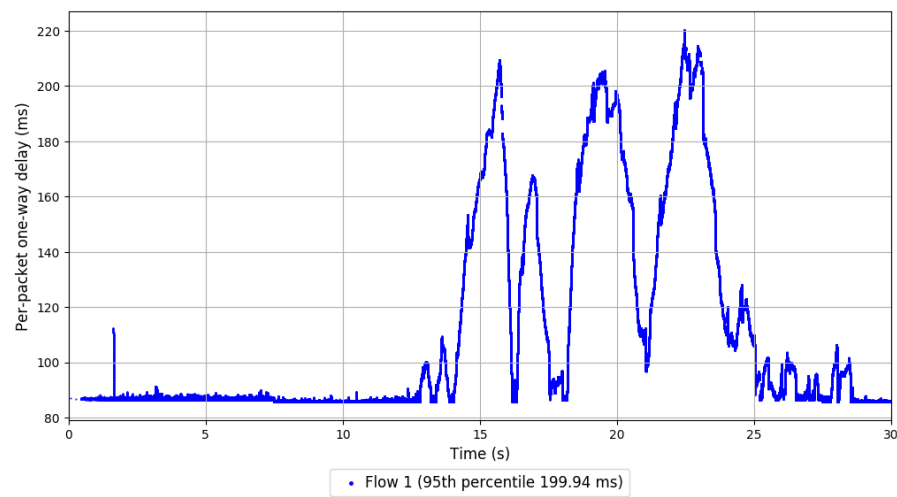
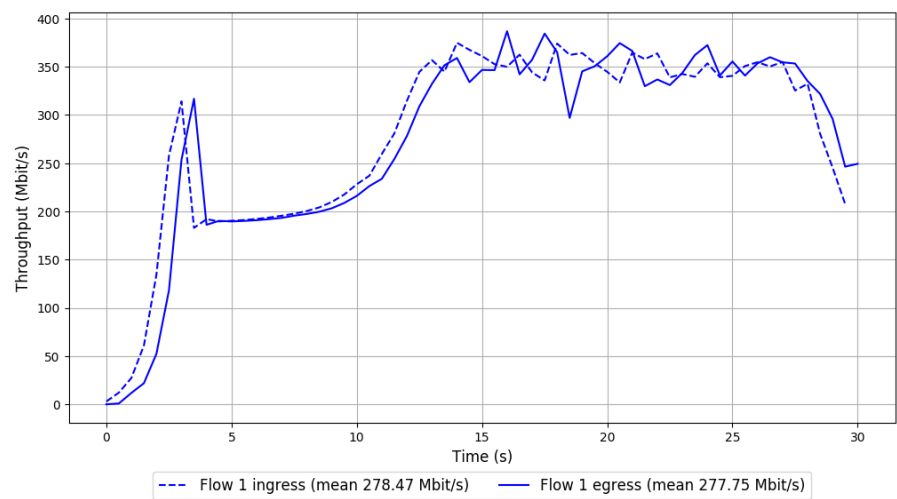
-- Flow 1:

Average throughput: 277.75 Mbit/s

95th percentile per-packet one-way delay: 199.936 ms

Loss rate: 0.26%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-09 20:53:20

End at: 2018-07-09 20:53:50

Local clock offset: -0.282 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-10 00:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.05 Mbit/s

95th percentile per-packet one-way delay: 215.455 ms

Loss rate: 1.18%

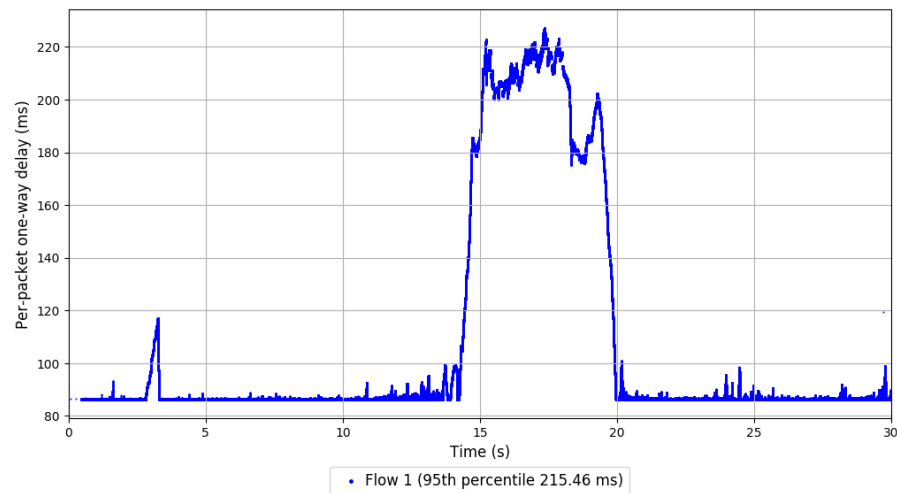
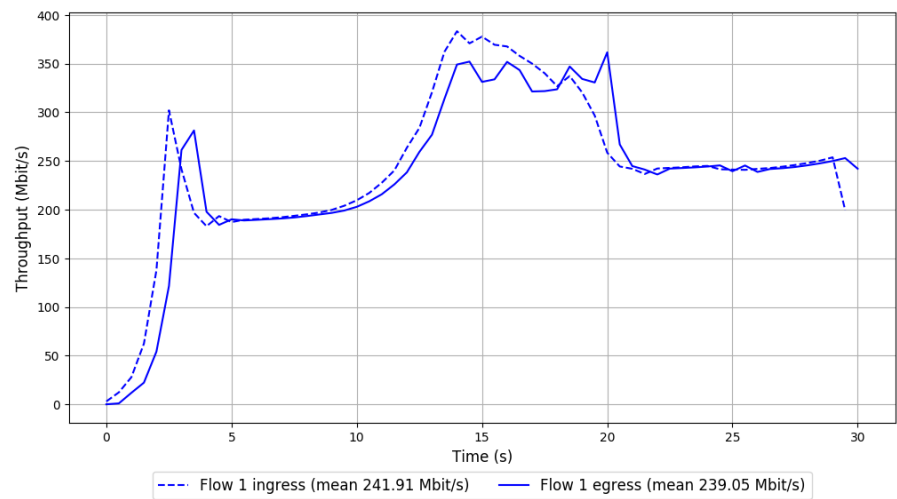
-- Flow 1:

Average throughput: 239.05 Mbit/s

95th percentile per-packet one-way delay: 215.455 ms

Loss rate: 1.18%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-09 21:15:27

End at: 2018-07-09 21:15:57

Local clock offset: -0.282 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-10 00:09:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.65 Mbit/s

95th percentile per-packet one-way delay: 207.032 ms

Loss rate: 1.00%

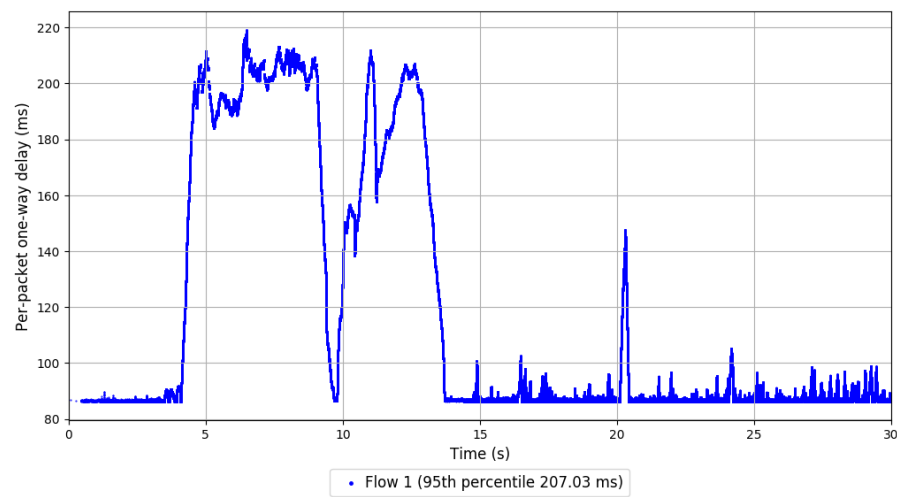
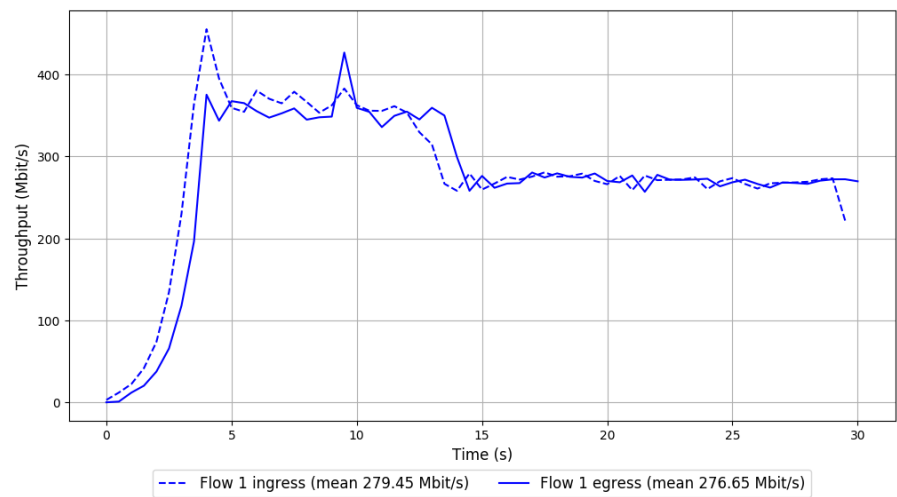
-- Flow 1:

Average throughput: 276.65 Mbit/s

95th percentile per-packet one-way delay: 207.032 ms

Loss rate: 1.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-09 21:37:56

End at: 2018-07-09 21:38:26

Local clock offset: 0.101 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-10 00:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.88 Mbit/s

95th percentile per-packet one-way delay: 213.654 ms

Loss rate: 2.97%

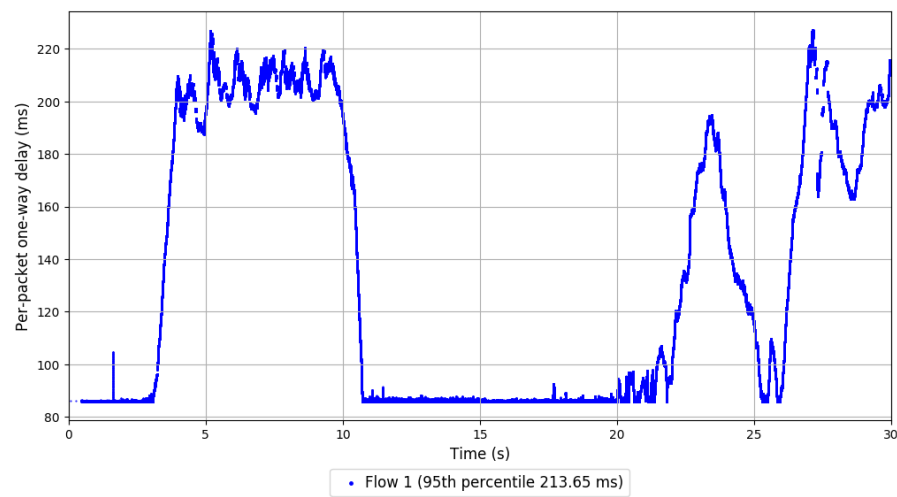
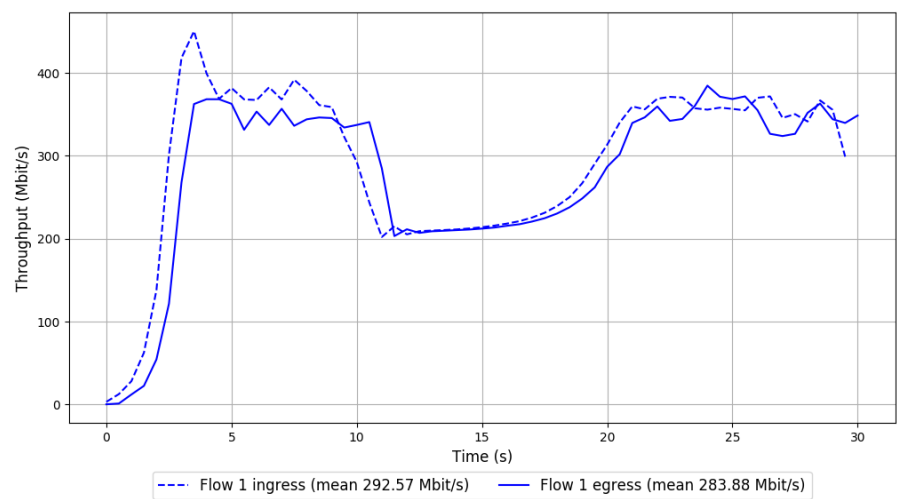
-- Flow 1:

Average throughput: 283.88 Mbit/s

95th percentile per-packet one-way delay: 213.654 ms

Loss rate: 2.97%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-09 22:00:33

End at: 2018-07-09 22:01:03

Local clock offset: 0.007 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-10 00:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.00 Mbit/s

95th percentile per-packet one-way delay: 96.985 ms

Loss rate: 0.00%

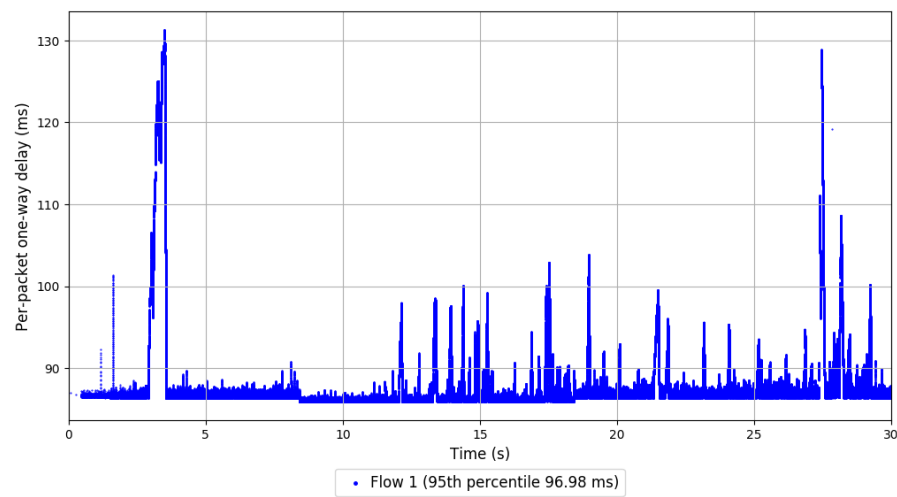
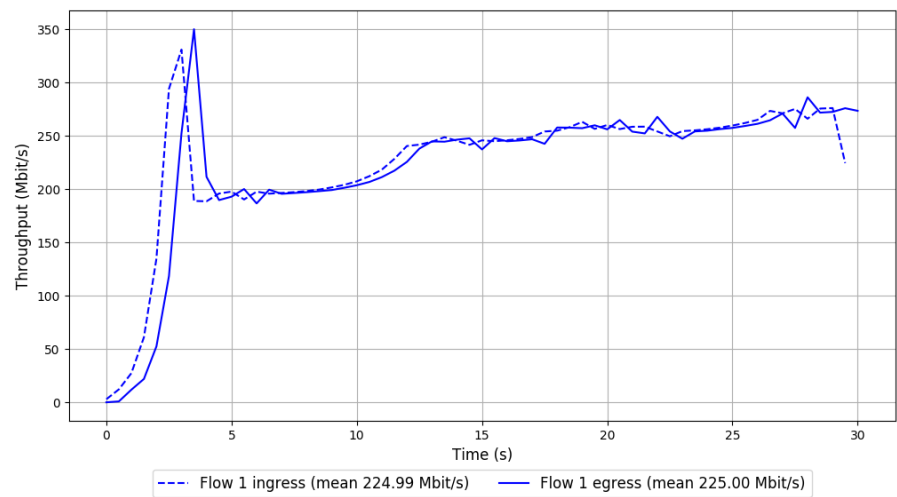
-- Flow 1:

Average throughput: 225.00 Mbit/s

95th percentile per-packet one-way delay: 96.985 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

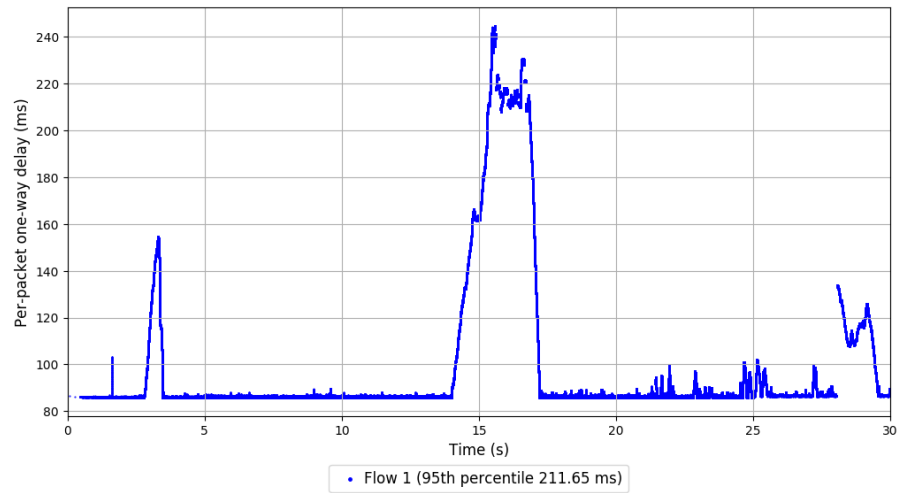
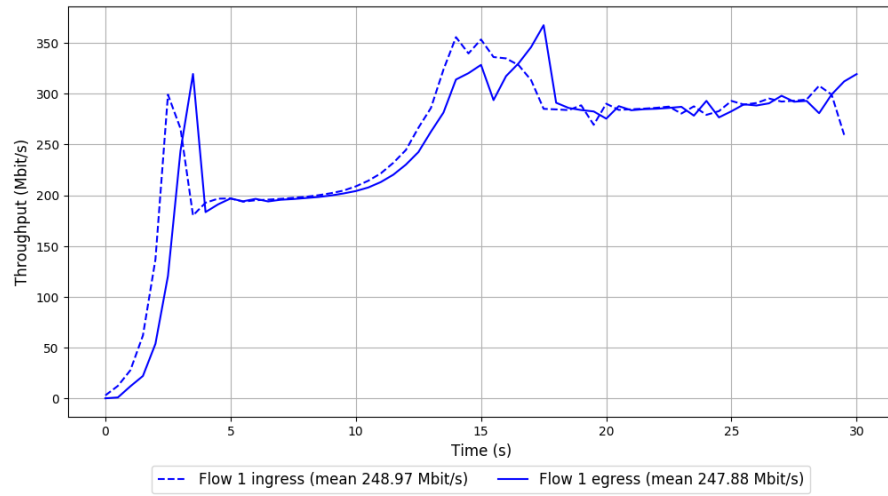


Run 10: Statistics of PCC-Expr

Start at: 2018-07-09 22:22:36
End at: 2018-07-09 22:23:06
Local clock offset: -0.032 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-10 00:10:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.88 Mbit/s
95th percentile per-packet one-way delay: 211.649 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 247.88 Mbit/s
95th percentile per-packet one-way delay: 211.649 ms
Loss rate: 0.44%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

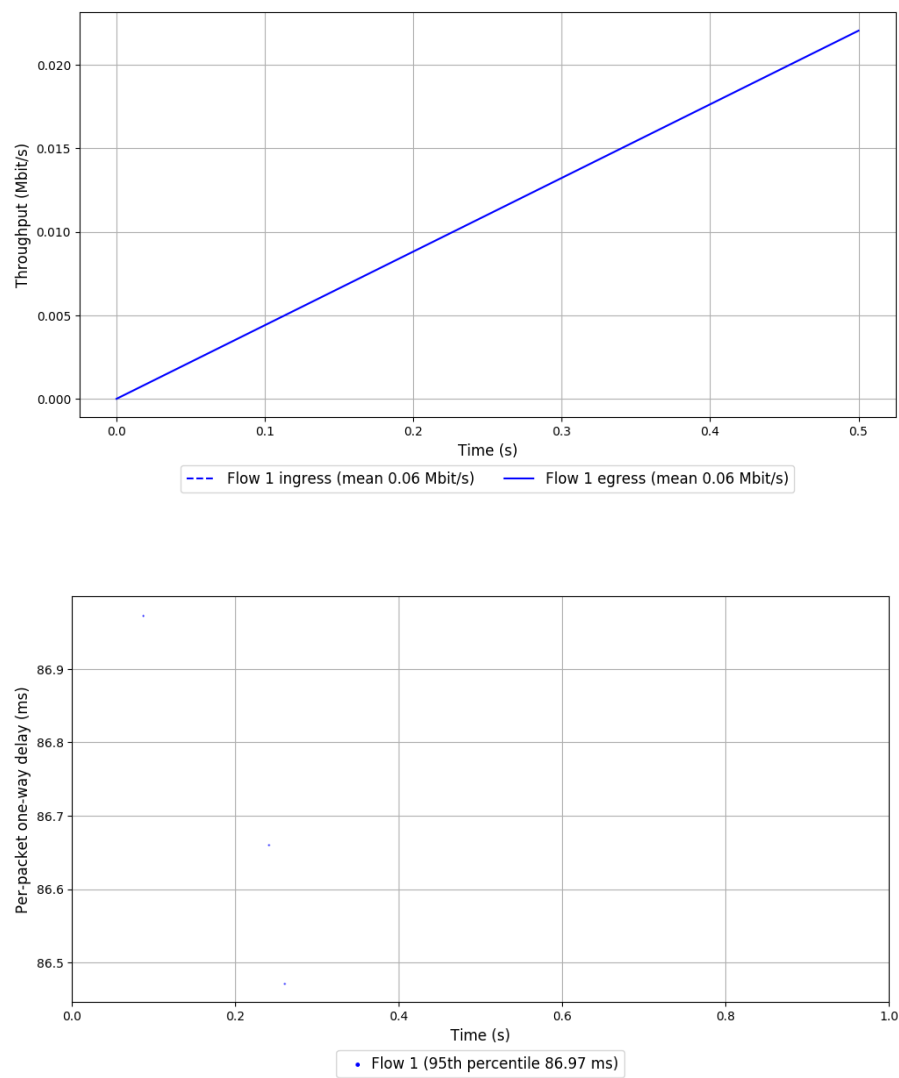
Start at: 2018-07-09 19:08:37

End at: 2018-07-09 19:09:07

Local clock offset: 0.029 ms

Remote clock offset: -0.099 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-09 19:31:04

End at: 2018-07-09 19:31:34

Local clock offset: -0.035 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-10 00:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 86.529 ms

Loss rate: 0.00%

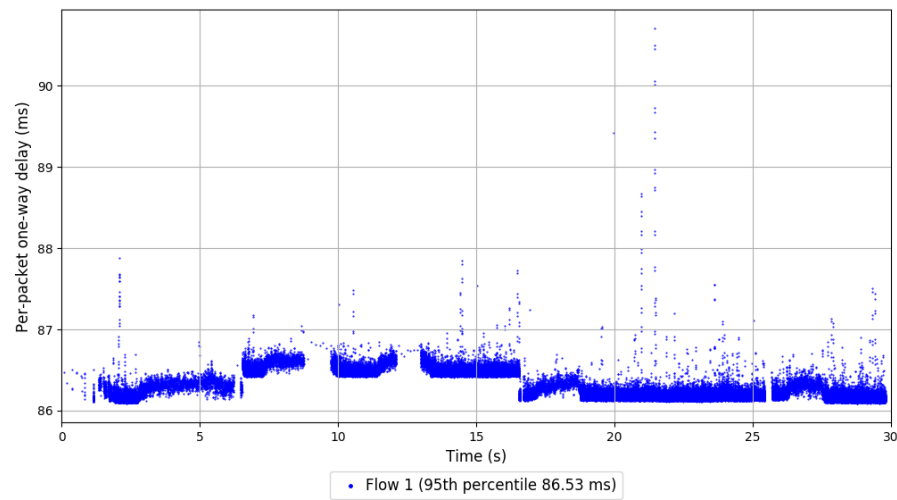
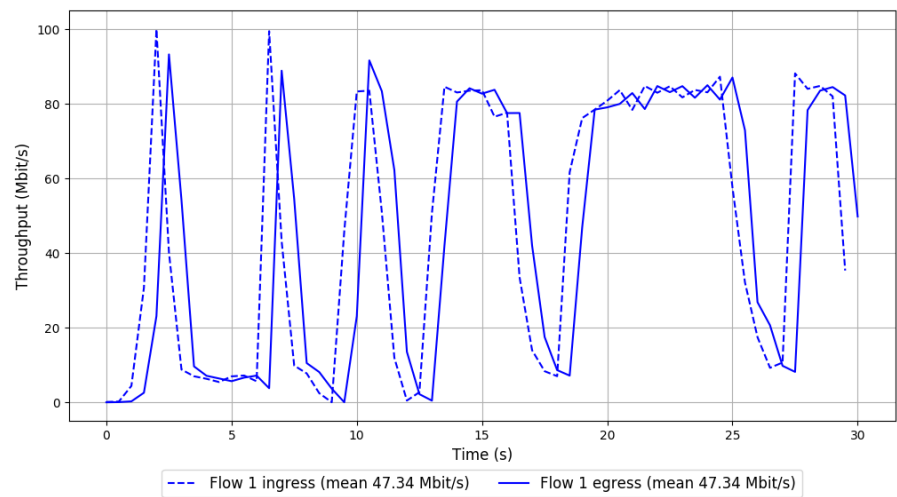
-- Flow 1:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 86.529 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-09 19:53:33

End at: 2018-07-09 19:54:03

Local clock offset: -0.15 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-10 00:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 86.721 ms

Loss rate: 0.00%

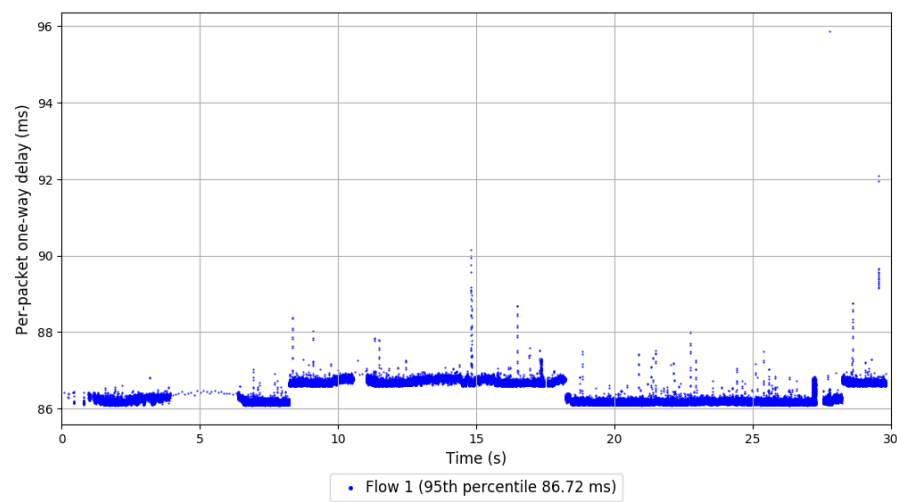
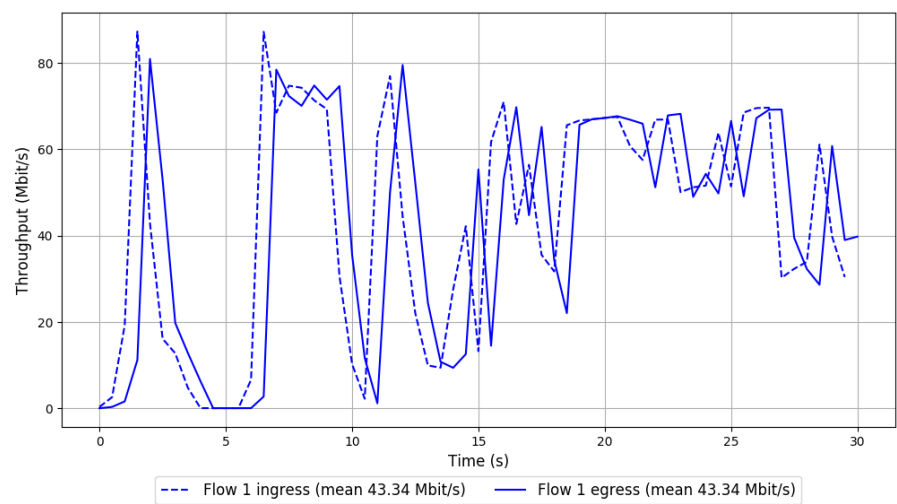
-- Flow 1:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 86.721 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-09 20:16:17

End at: 2018-07-09 20:16:47

Local clock offset: -0.008 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-10 00:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 86.028 ms

Loss rate: 0.00%

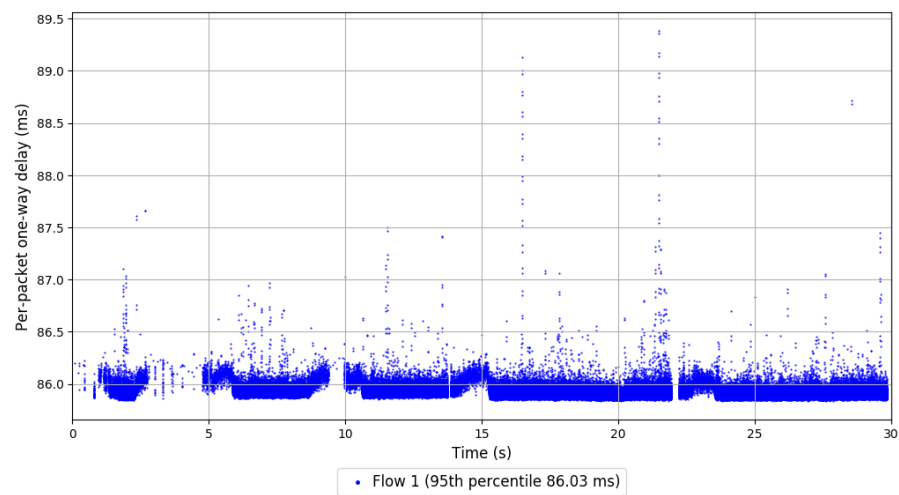
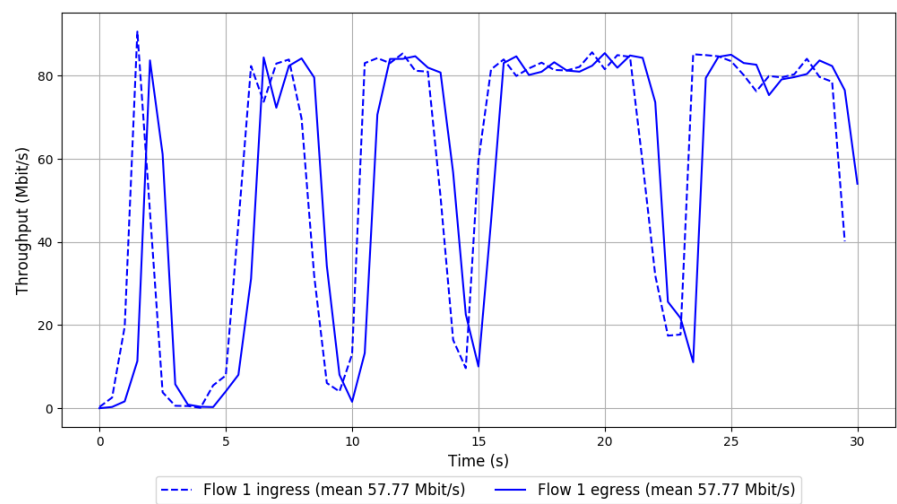
-- Flow 1:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 86.028 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-09 20:38:44

End at: 2018-07-09 20:39:14

Local clock offset: -0.14 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-10 00:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 86.594 ms

Loss rate: 0.00%

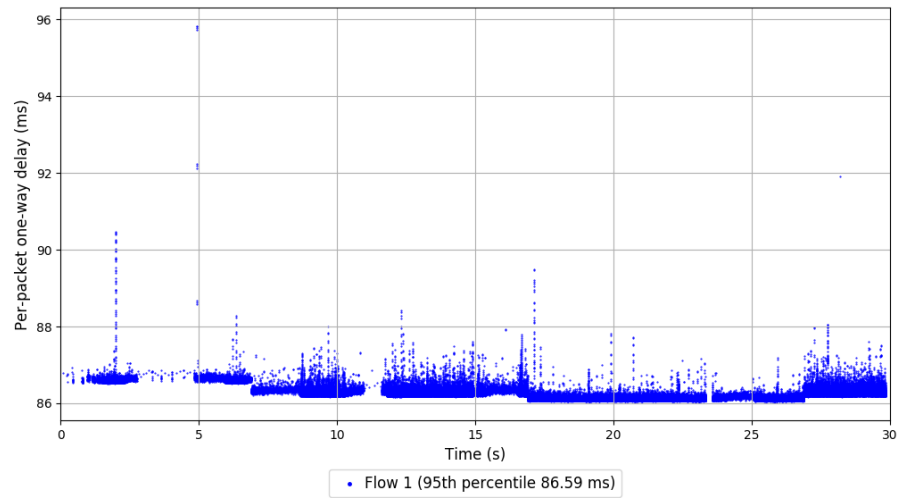
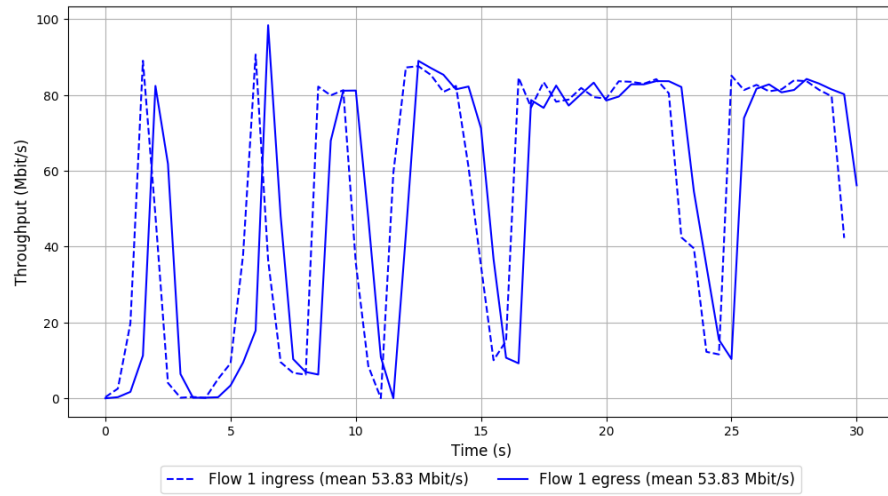
-- Flow 1:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 86.594 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-09 21:01:13

End at: 2018-07-09 21:01:43

Local clock offset: 0.103 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 85.866 ms

Loss rate: 0.00%

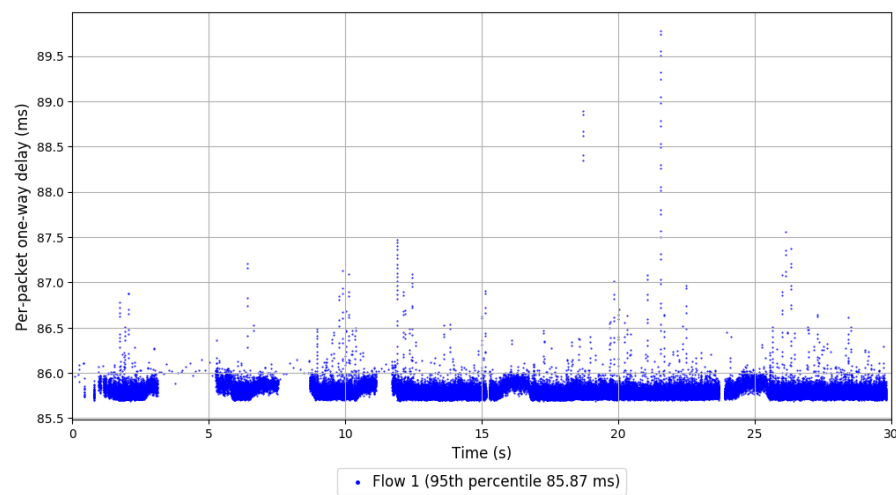
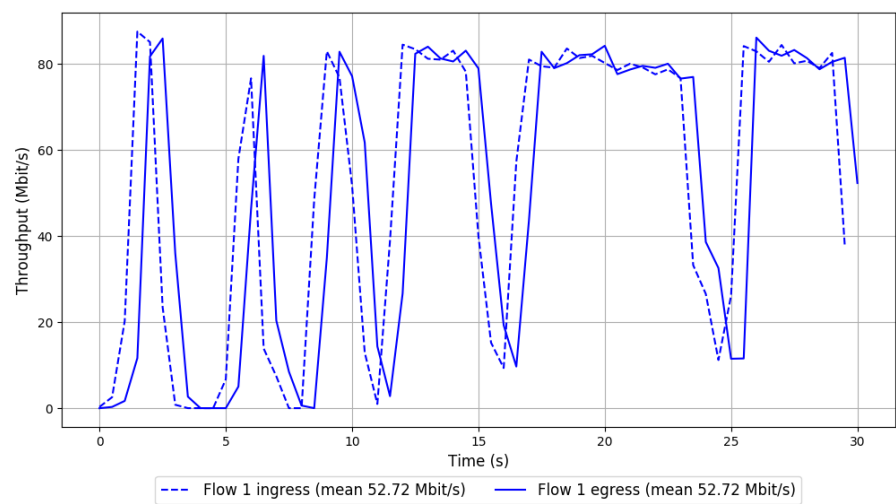
-- Flow 1:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 85.866 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-09 21:23:19

End at: 2018-07-09 21:23:49

Local clock offset: -0.133 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.78 Mbit/s

95th percentile per-packet one-way delay: 86.623 ms

Loss rate: 0.00%

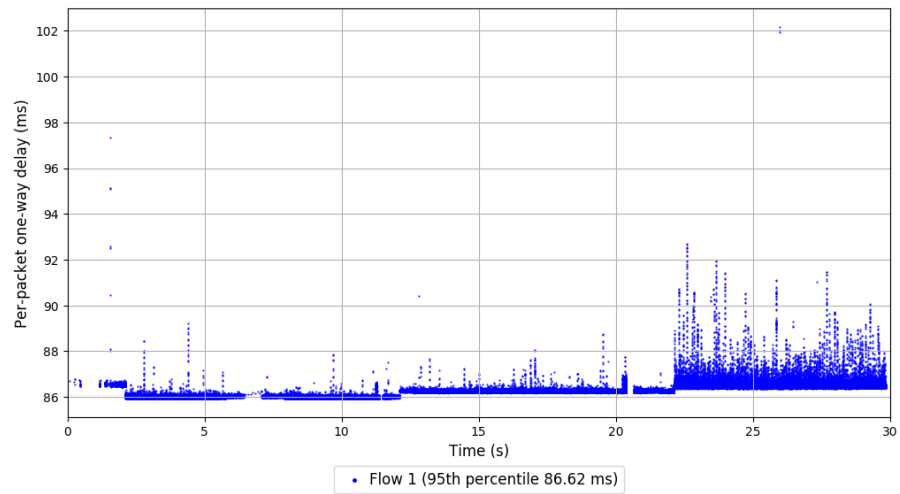
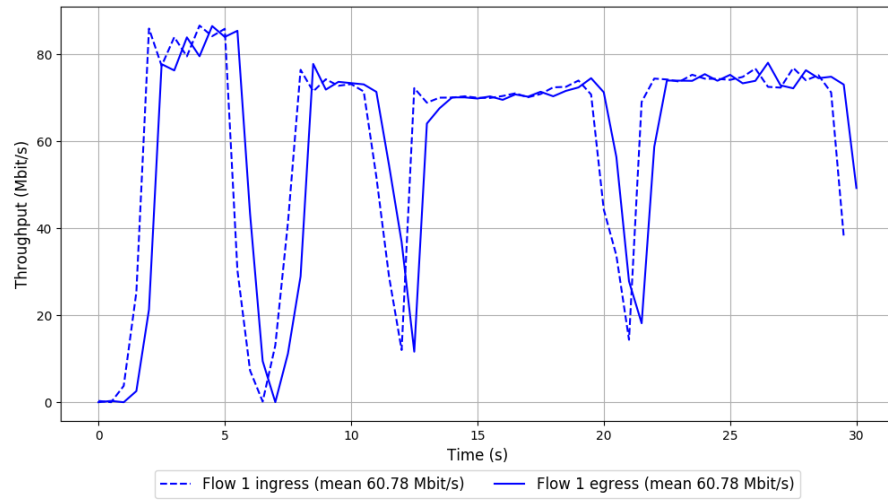
-- Flow 1:

Average throughput: 60.78 Mbit/s

95th percentile per-packet one-way delay: 86.623 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-09 21:45:53

End at: 2018-07-09 21:46:23

Local clock offset: 0.206 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: 86.275 ms

Loss rate: 0.00%

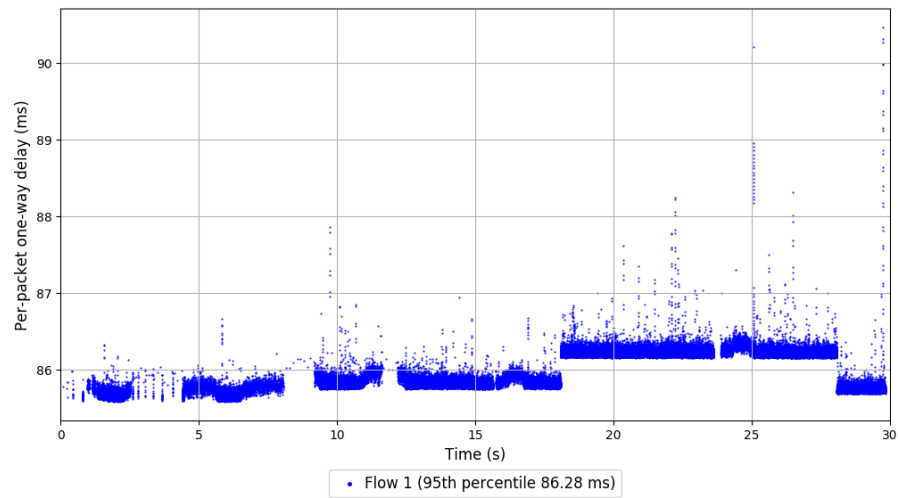
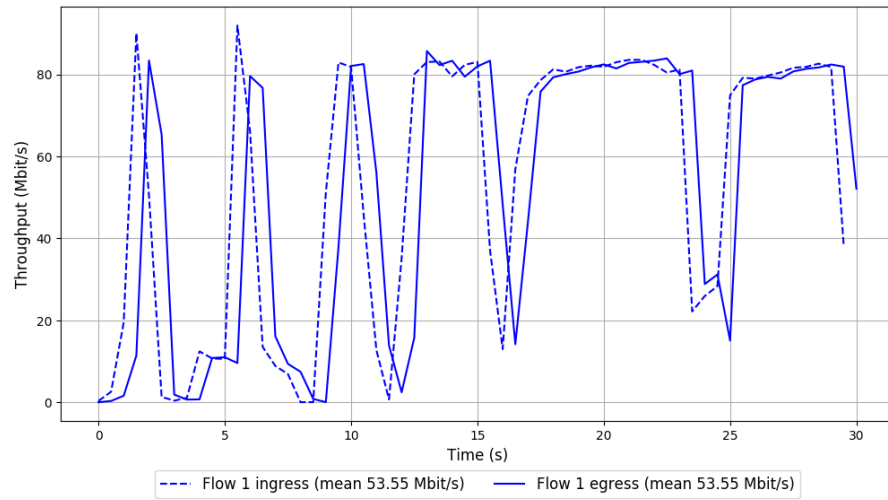
-- Flow 1:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: 86.275 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-09 22:08:21

End at: 2018-07-09 22:08:51

Local clock offset: -0.193 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 86.399 ms

Loss rate: 0.00%

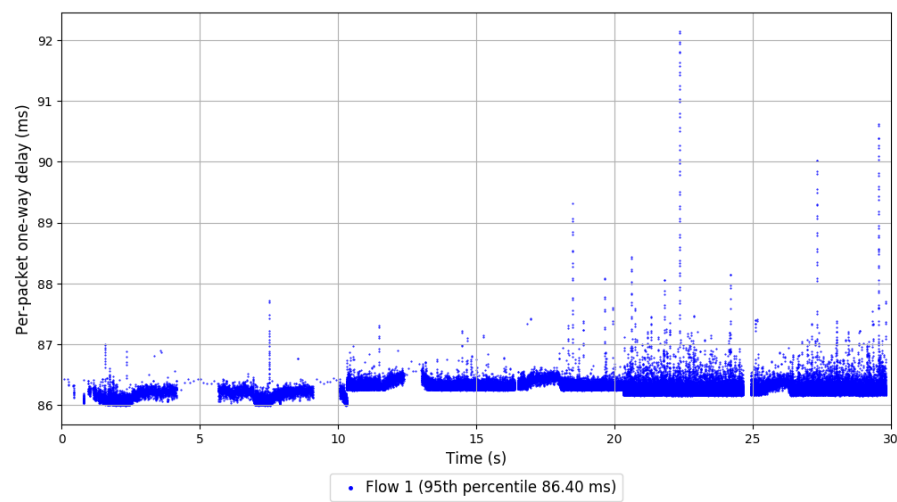
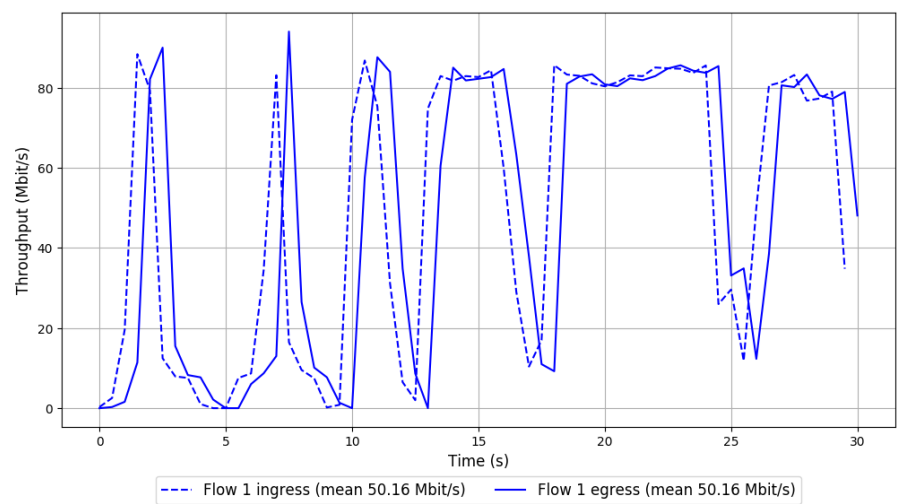
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 86.399 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

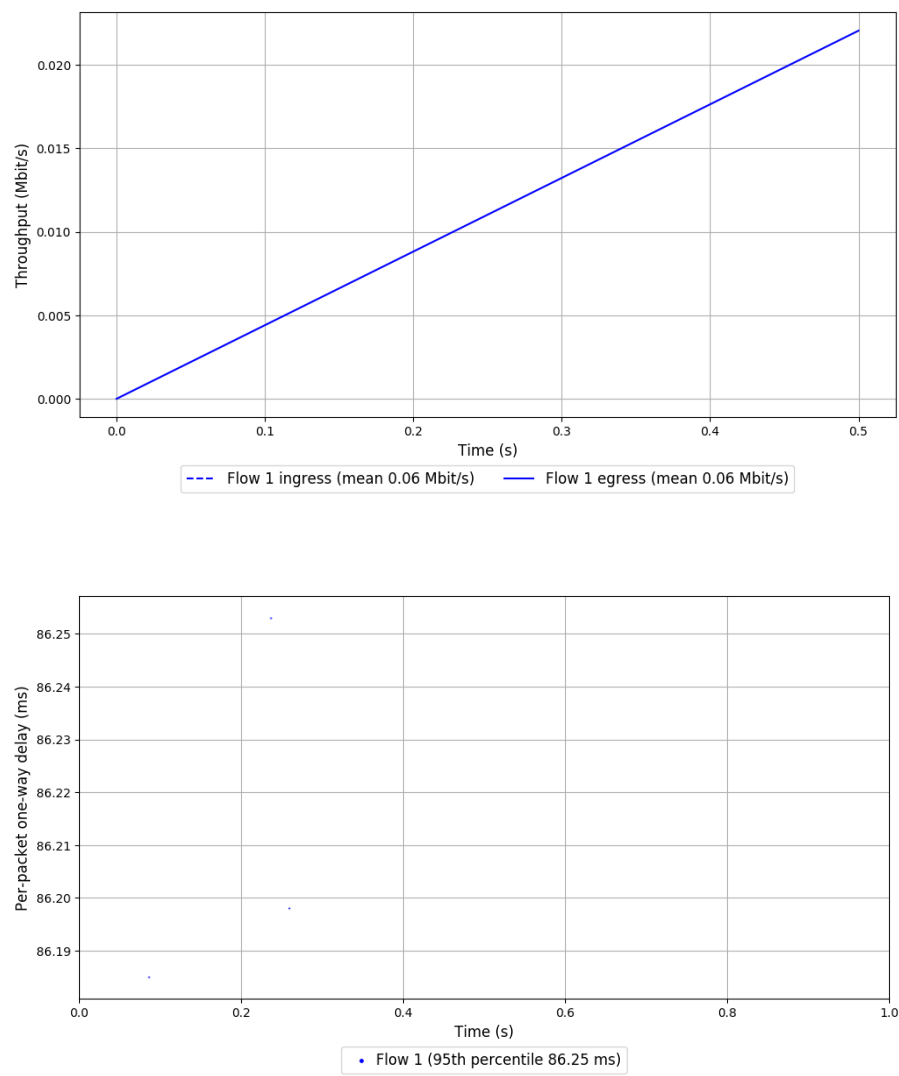
Start at: 2018-07-09 22:30:32

End at: 2018-07-09 22:31:03

Local clock offset: -0.085 ms

Remote clock offset: 0.036 ms

Run 10: Report of QUIC Cubic — Data Link

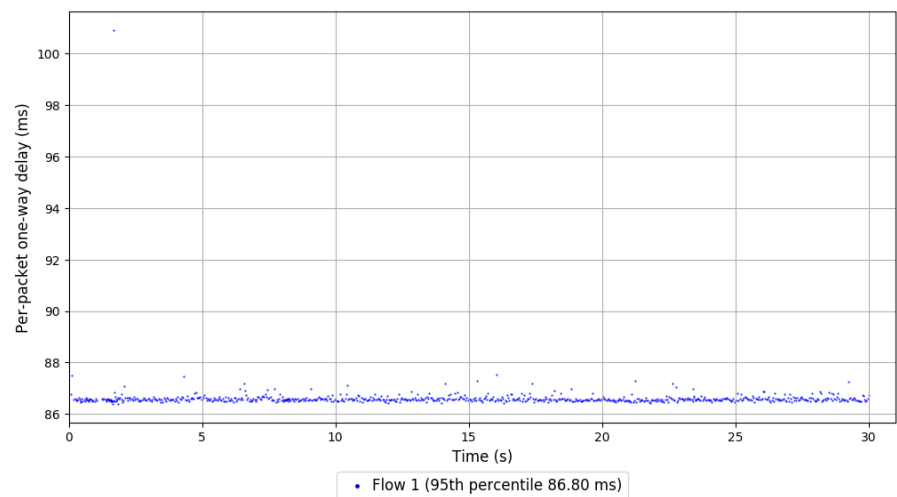
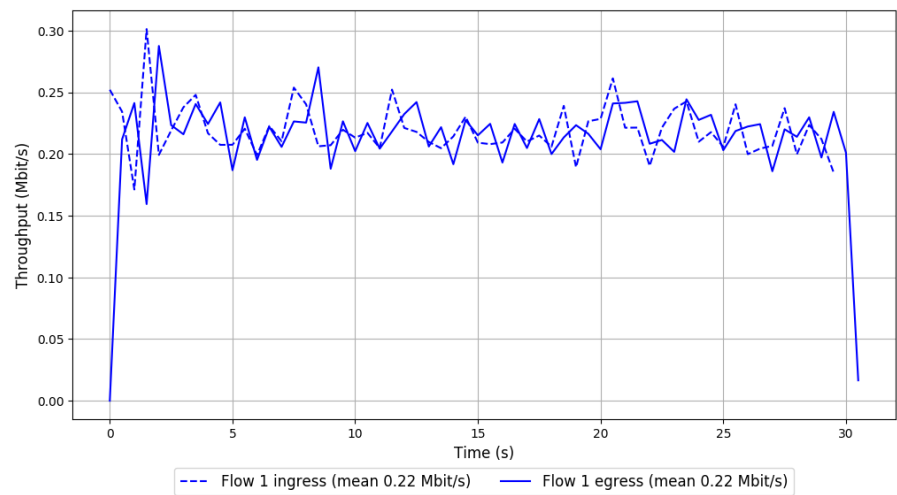


```
Run 1: Statistics of SCReAM

Start at: 2018-07-09 19:19:07
End at: 2018-07-09 19:19:37
Local clock offset: -0.018 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-07-10 00:10:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

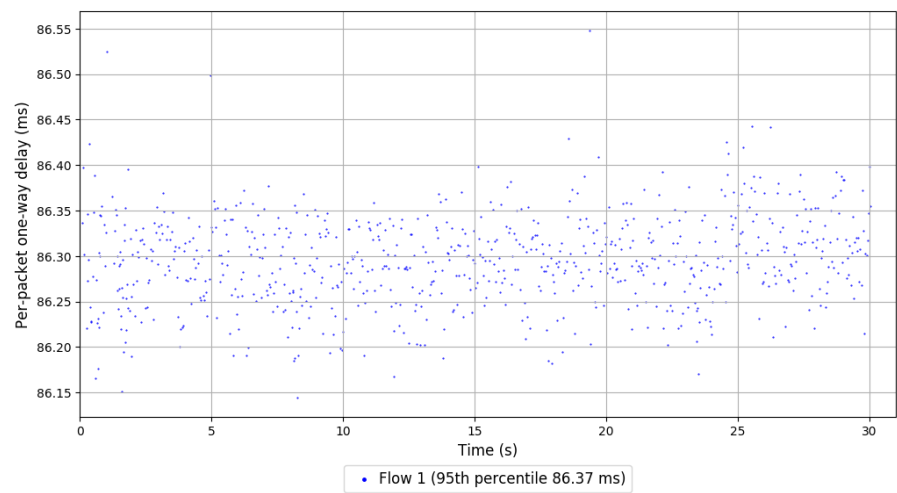
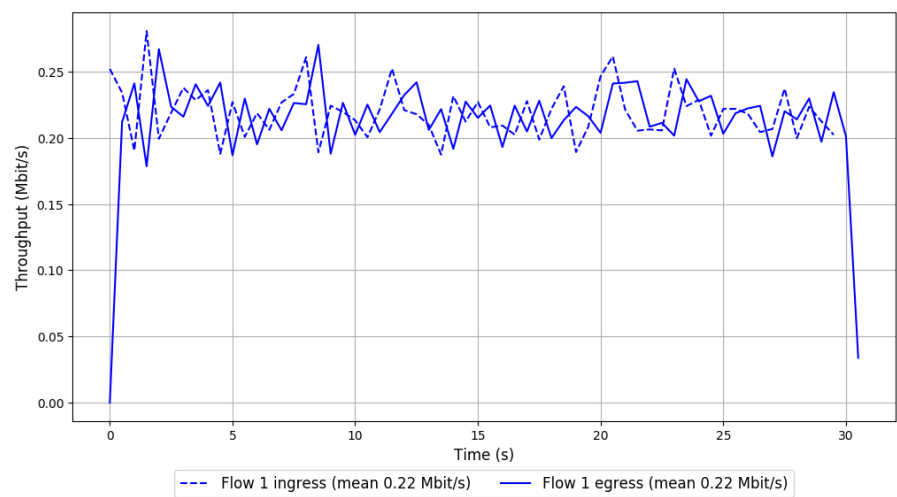


Run 2: Statistics of SCReAM

Start at: 2018-07-09 19:41:36
End at: 2018-07-09 19:42:06
Local clock offset: -0.099 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-10 00:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-09 20:04:14

End at: 2018-07-09 20:04:44

Local clock offset: -0.026 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.796 ms

Loss rate: 0.00%

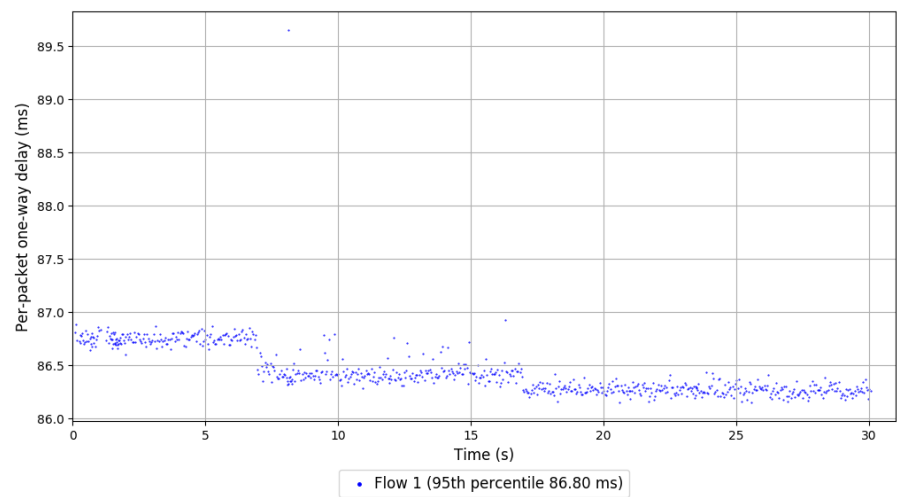
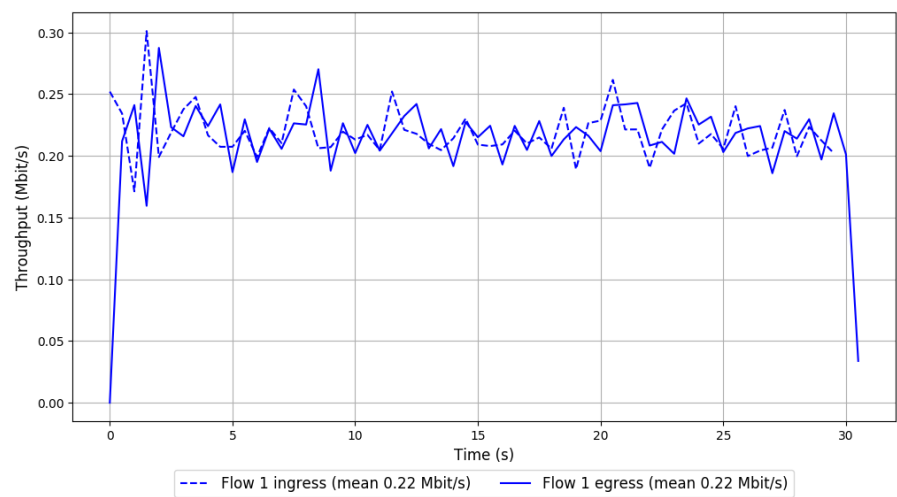
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.796 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-09 20:26:59

End at: 2018-07-09 20:27:29

Local clock offset: -0.099 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.589 ms

Loss rate: 0.00%

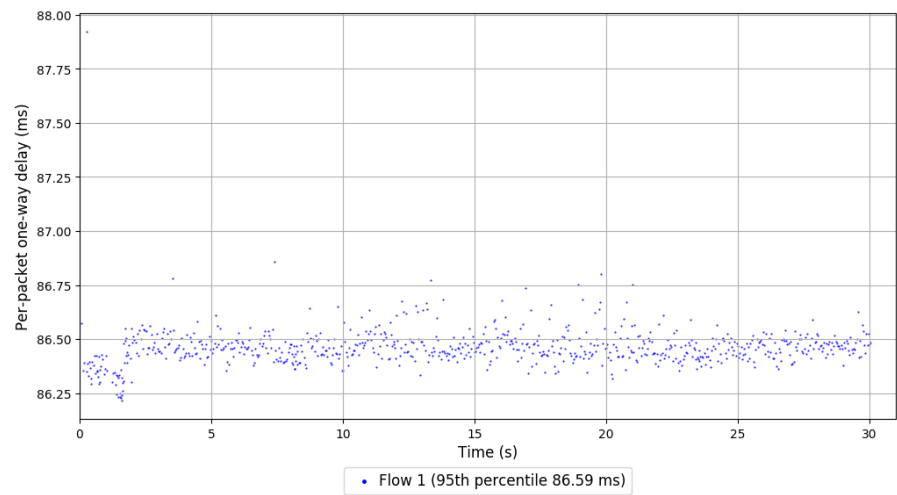
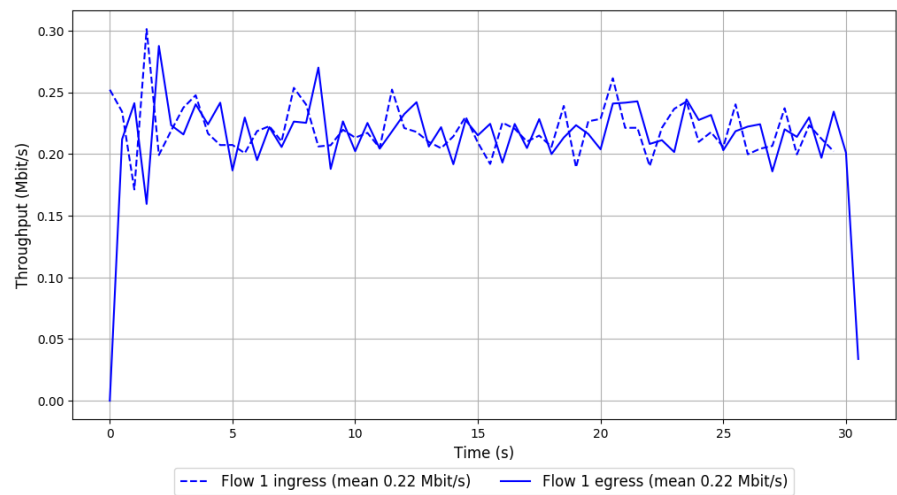
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.589 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

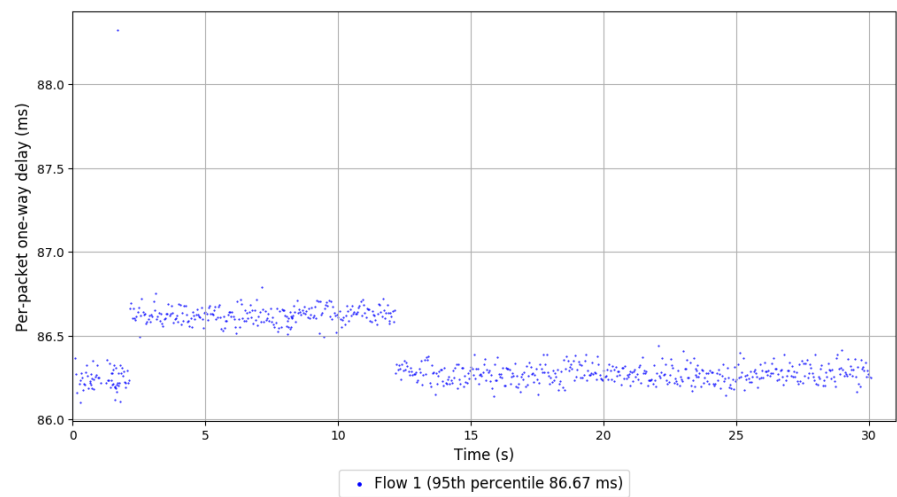
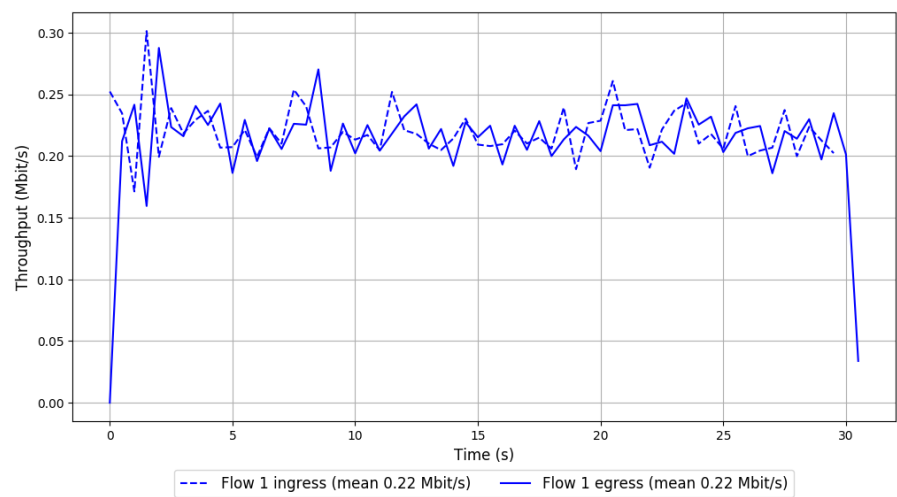


Run 5: Statistics of SCReAM

Start at: 2018-07-09 20:49:19
End at: 2018-07-09 20:49:49
Local clock offset: -0.07 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-10 00:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.674 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-09 21:11:49

End at: 2018-07-09 21:12:19

Local clock offset: -0.104 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.840 ms

Loss rate: 0.00%

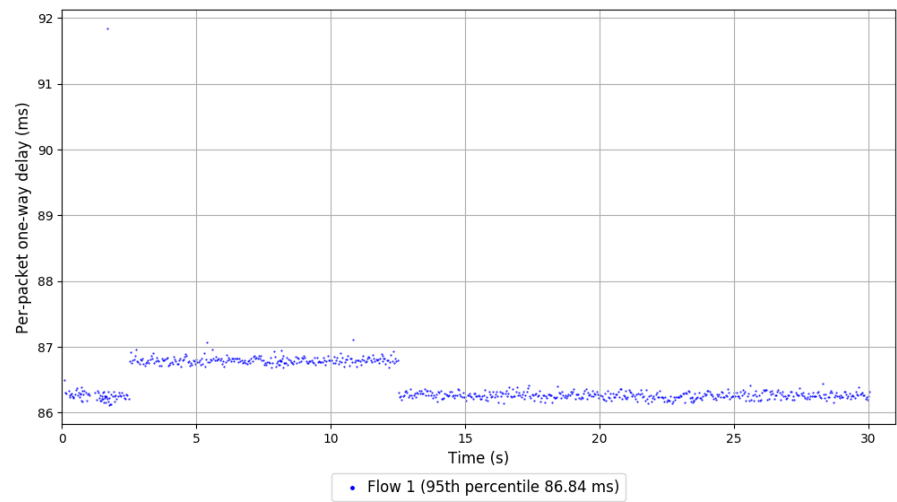
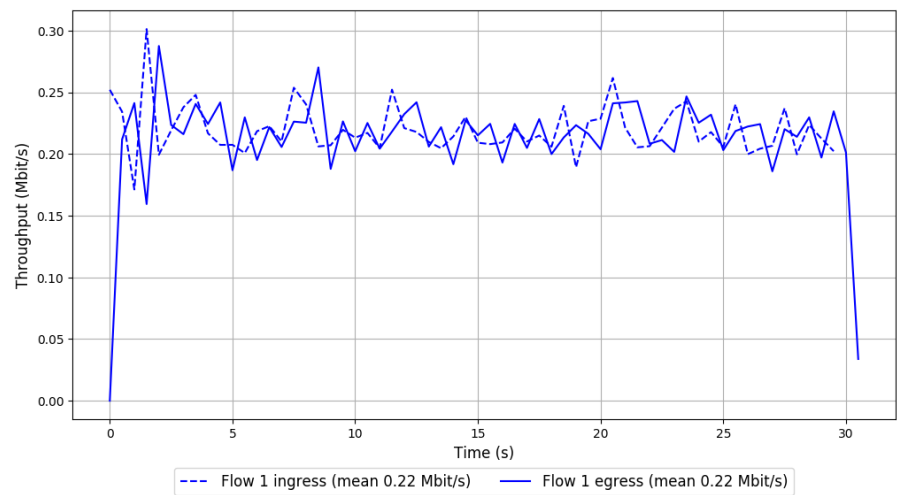
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.840 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-09 21:33:50

End at: 2018-07-09 21:34:20

Local clock offset: 0.08 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.00%

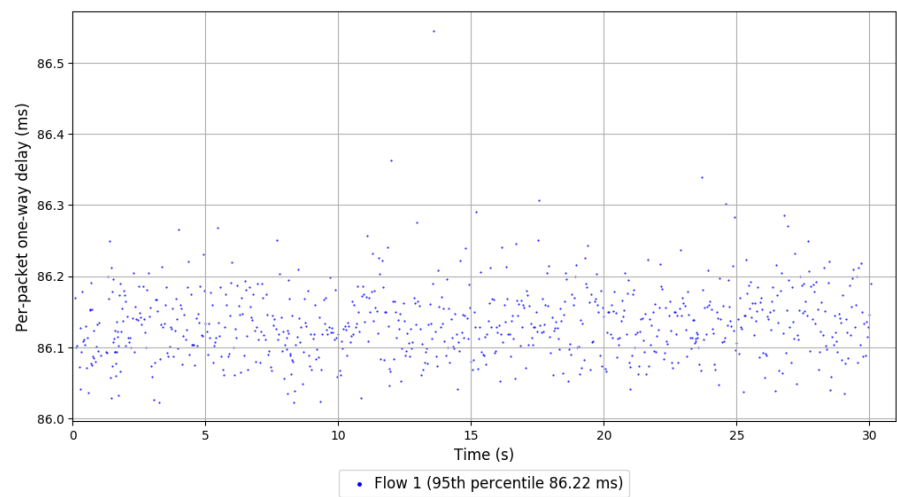
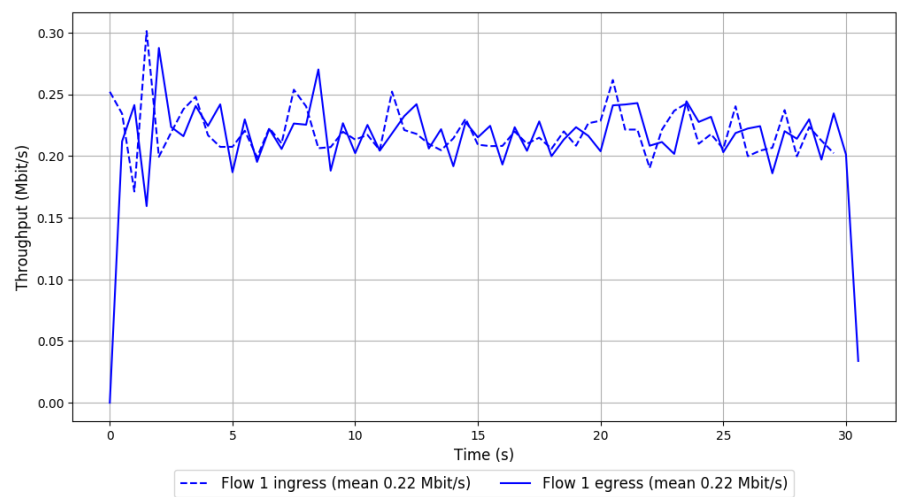
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-09 21:56:28

End at: 2018-07-09 21:56:58

Local clock offset: -0.248 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.668 ms

Loss rate: 0.00%

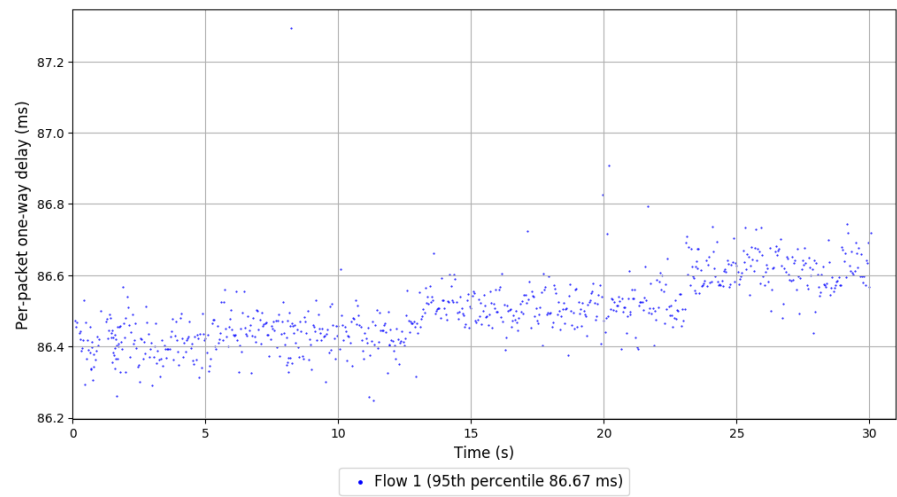
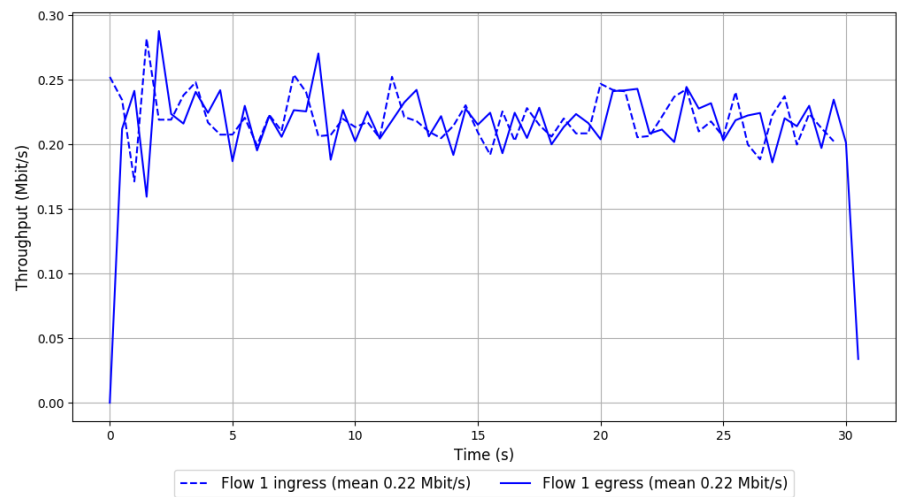
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.668 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-09 22:18:51

End at: 2018-07-09 22:19:21

Local clock offset: 0.168 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.282 ms

Loss rate: 0.00%

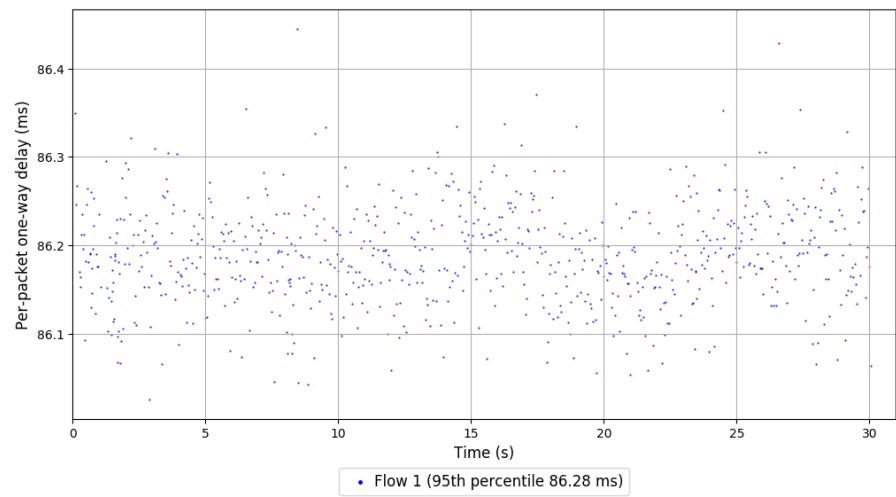
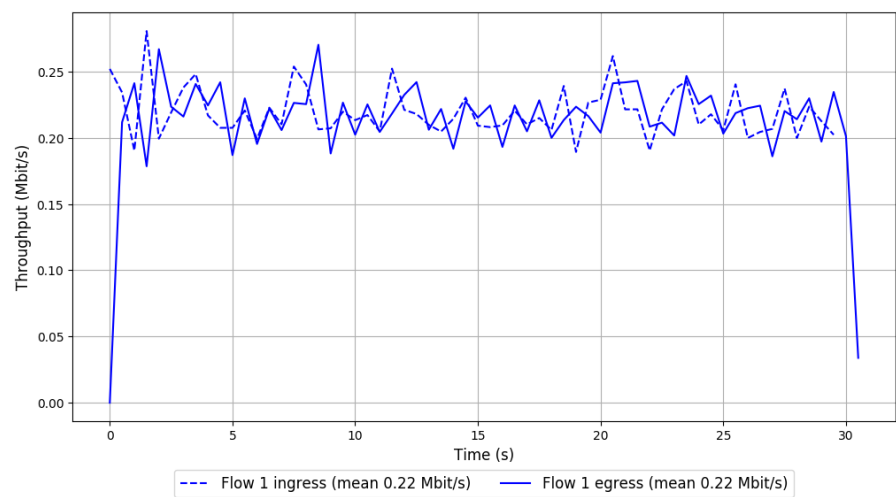
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.282 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-09 22:41:09

End at: 2018-07-09 22:41:39

Local clock offset: 0.057 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.00%

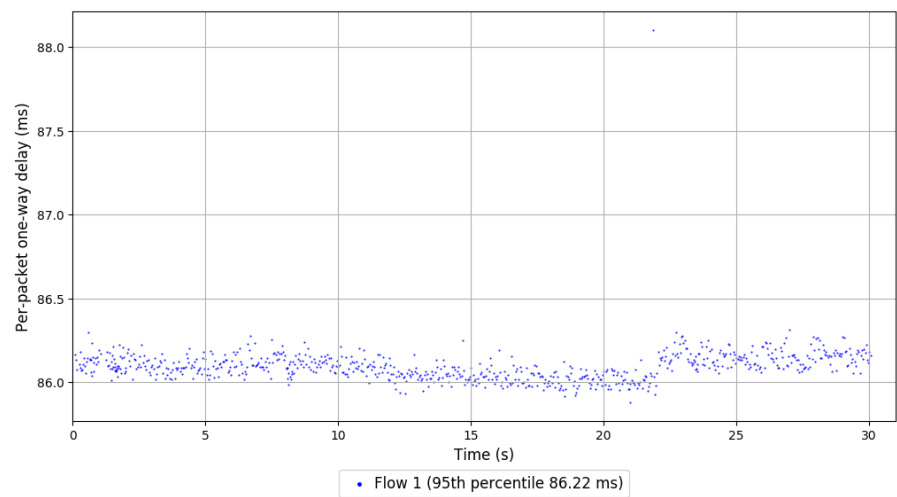
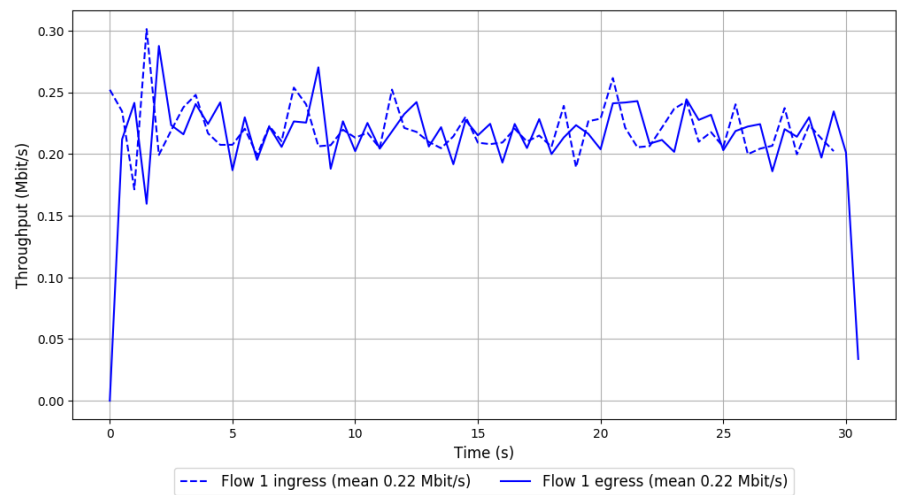
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

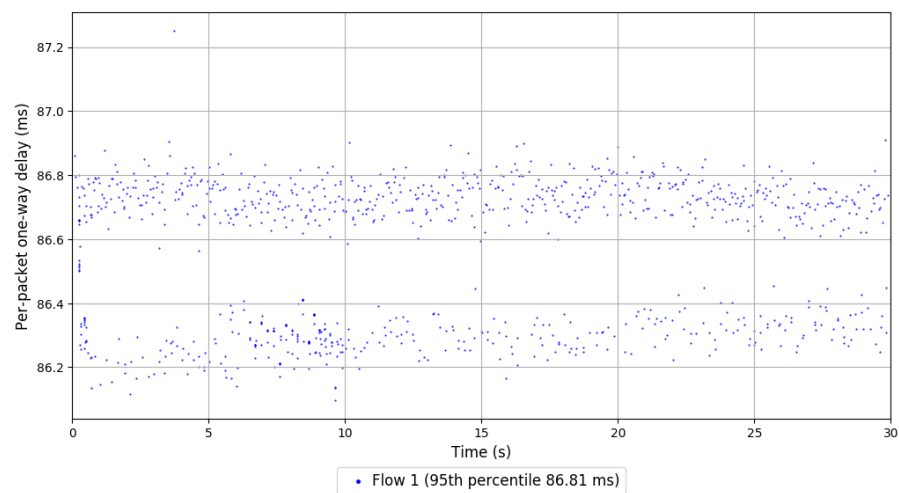
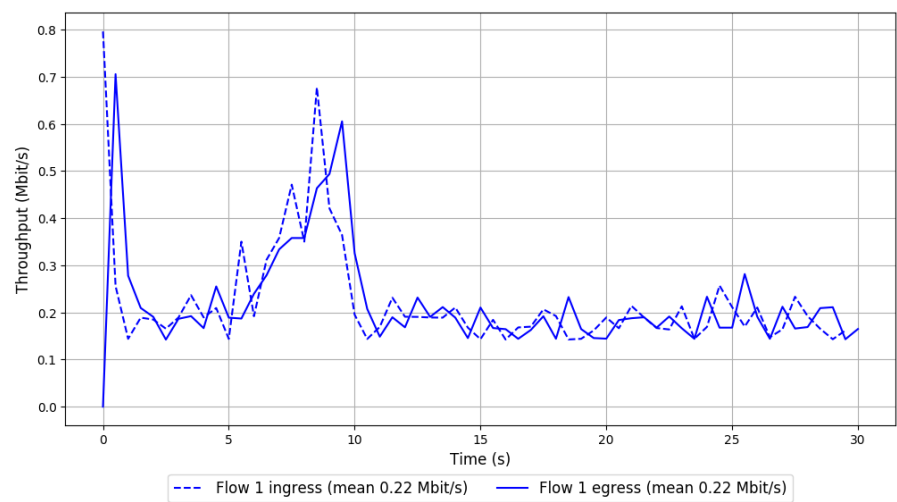


Run 1: Statistics of Sprout

Start at: 2018-07-09 19:07:30
End at: 2018-07-09 19:08:00
Local clock offset: -0.096 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-10 00:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-09 19:29:57

End at: 2018-07-09 19:30:27

Local clock offset: 0.021 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.00%

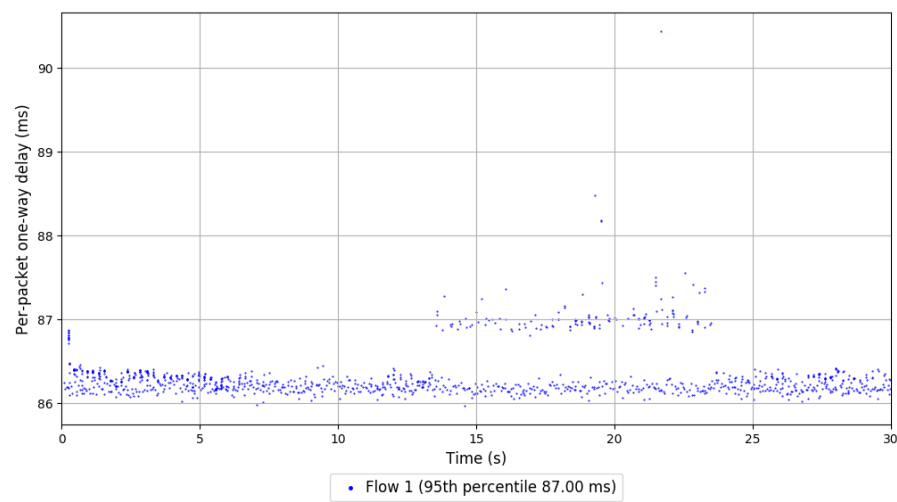
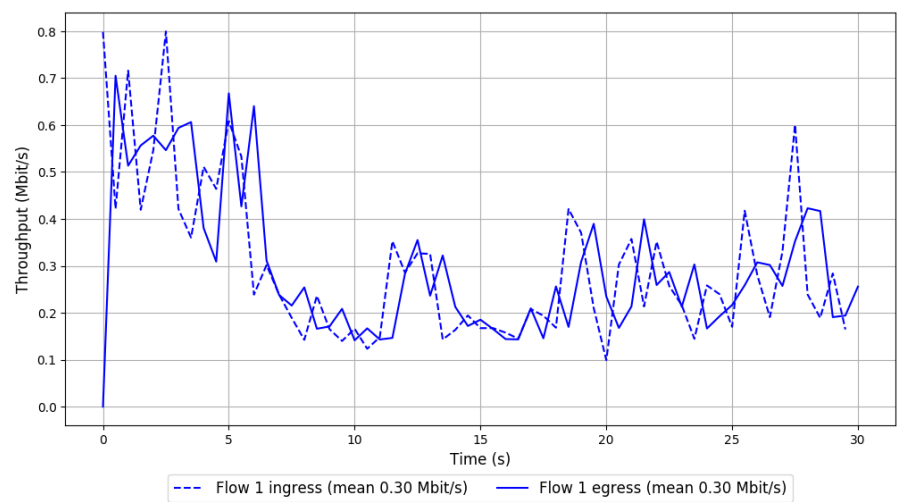
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 87.000 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

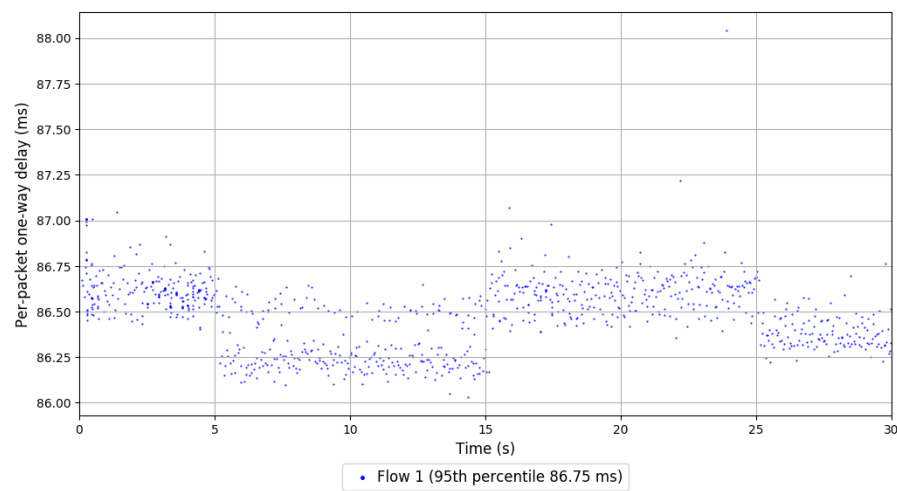
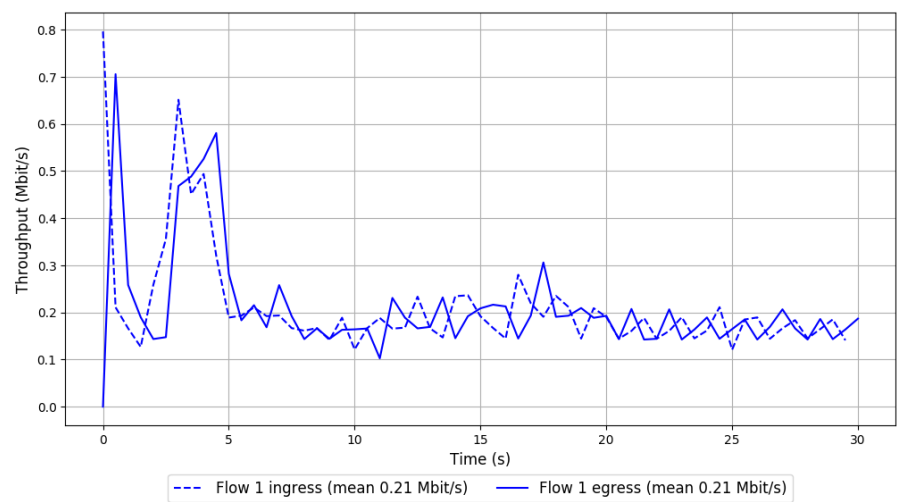


Run 3: Statistics of Sprout

Start at: 2018-07-09 19:52:26
End at: 2018-07-09 19:52:56
Local clock offset: -0.125 ms
Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-10 00:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-09 20:15:10

End at: 2018-07-09 20:15:40

Local clock offset: -0.118 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.985 ms

Loss rate: 0.00%

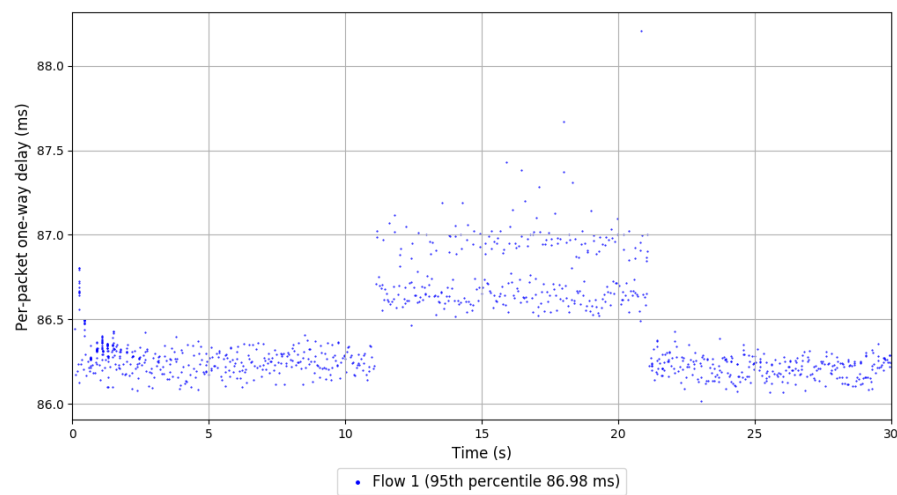
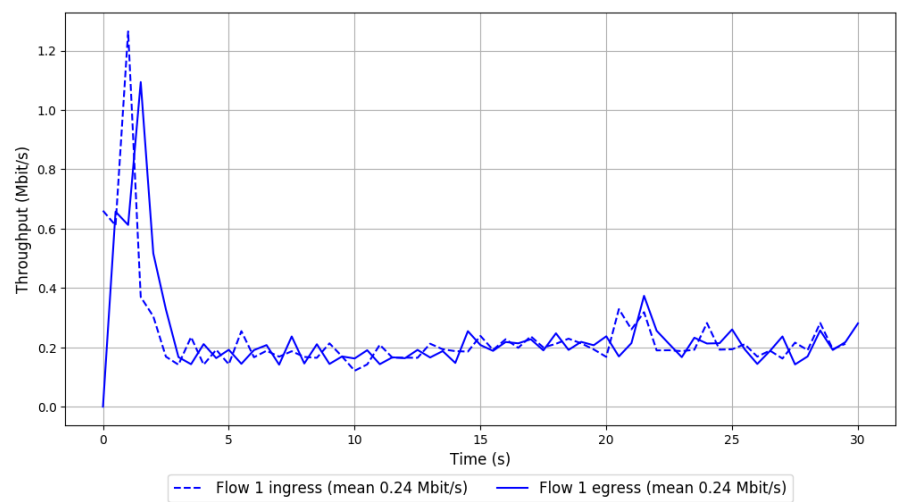
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.985 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-09 20:37:37

End at: 2018-07-09 20:38:07

Local clock offset: 0.279 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 86.402 ms

Loss rate: 0.00%

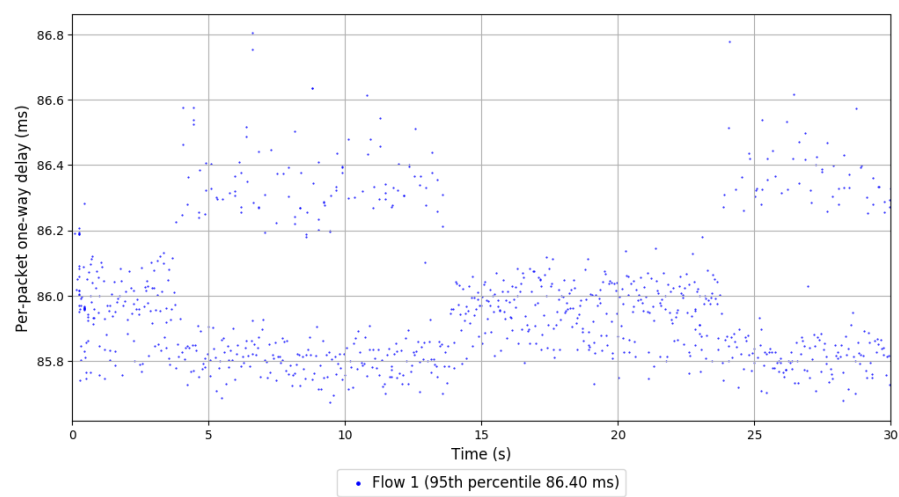
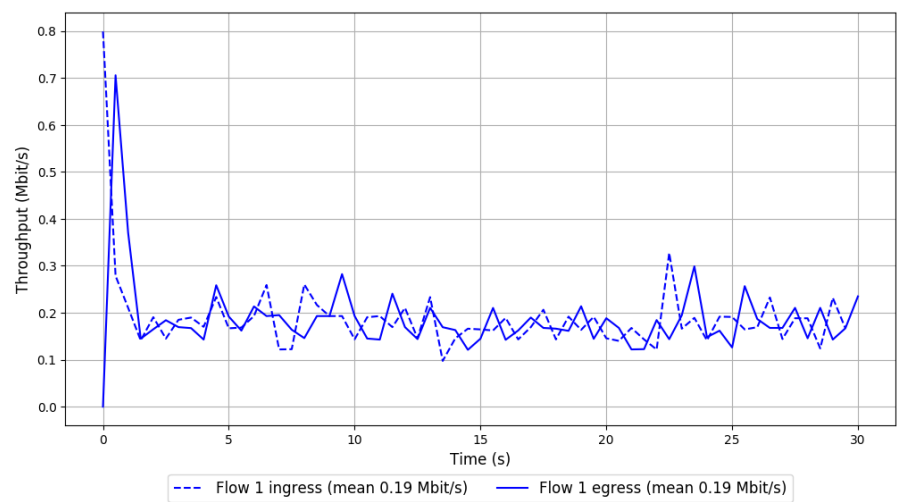
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 86.402 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-09 21:00:06

End at: 2018-07-09 21:00:36

Local clock offset: -0.198 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 0.00%

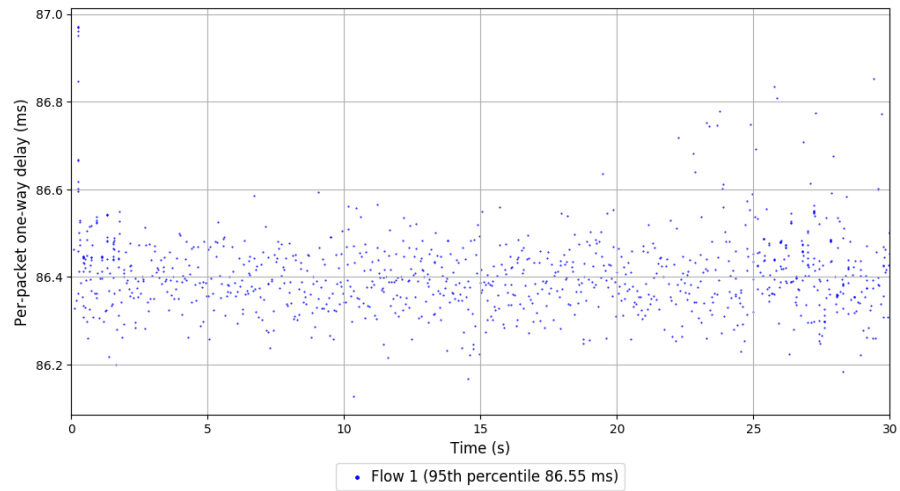
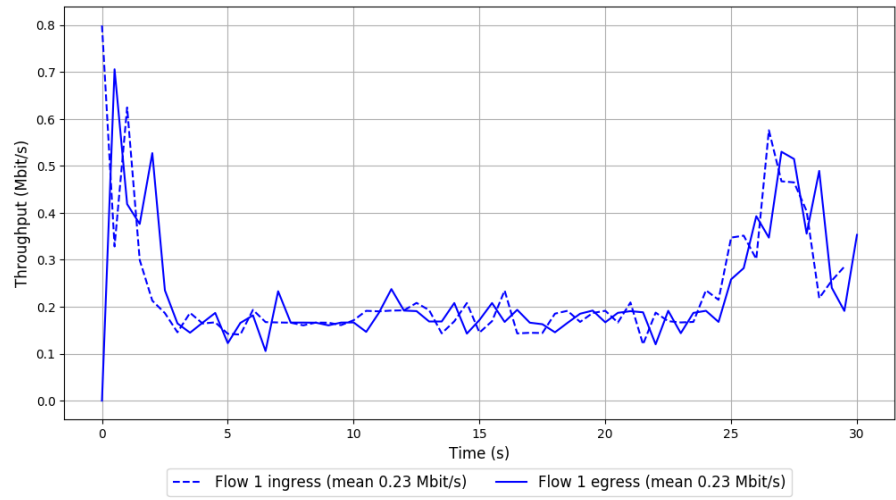
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

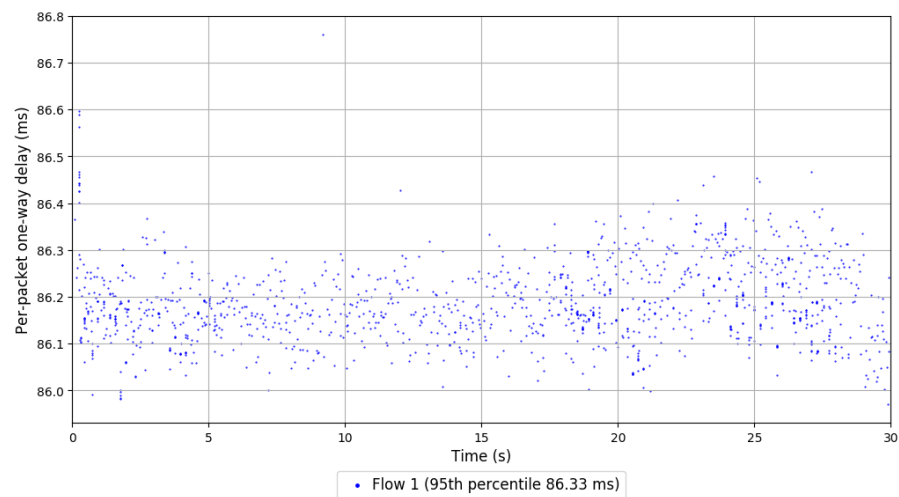
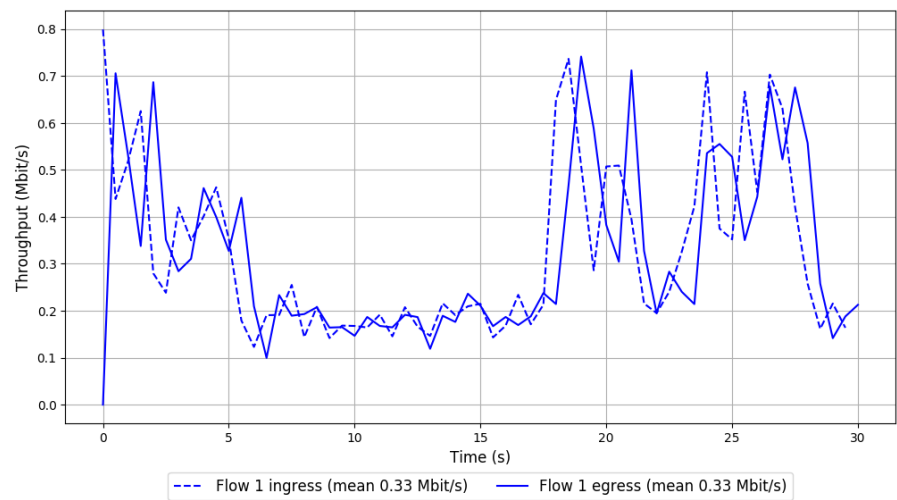


Run 7: Statistics of Sprout

Start at: 2018-07-09 21:22:12
End at: 2018-07-09 21:22:42
Local clock offset: -0.005 ms
Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-10 00:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.335 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

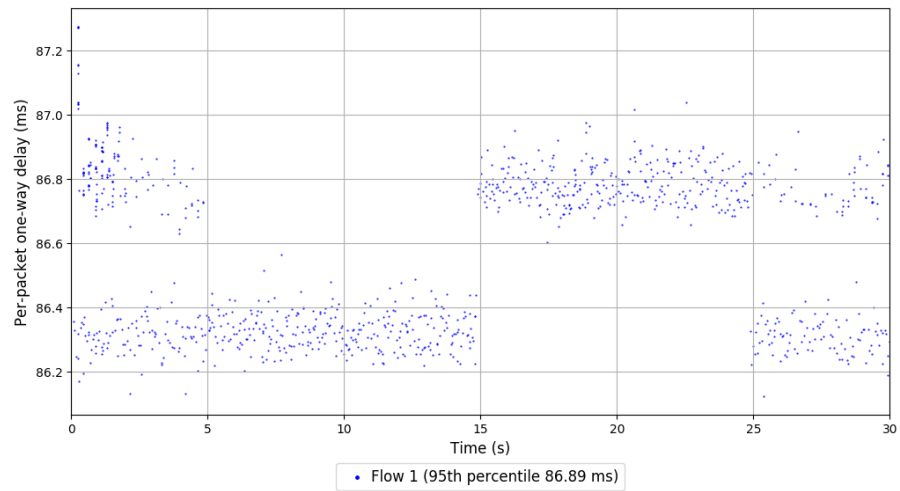
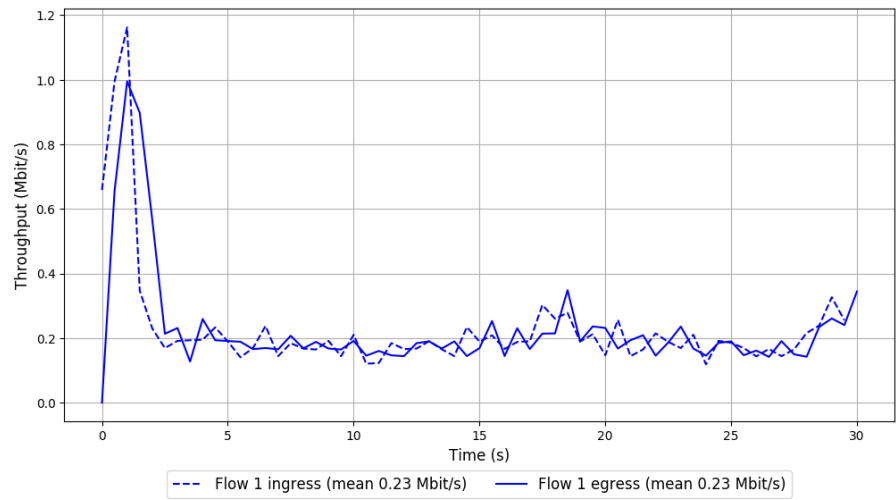


Run 8: Statistics of Sprout

Start at: 2018-07-09 21:44:46
End at: 2018-07-09 21:45:16
Local clock offset: -0.155 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-10 00:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.890 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-09 22:07:14

End at: 2018-07-09 22:07:44

Local clock offset: -0.003 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.934 ms

Loss rate: 0.00%

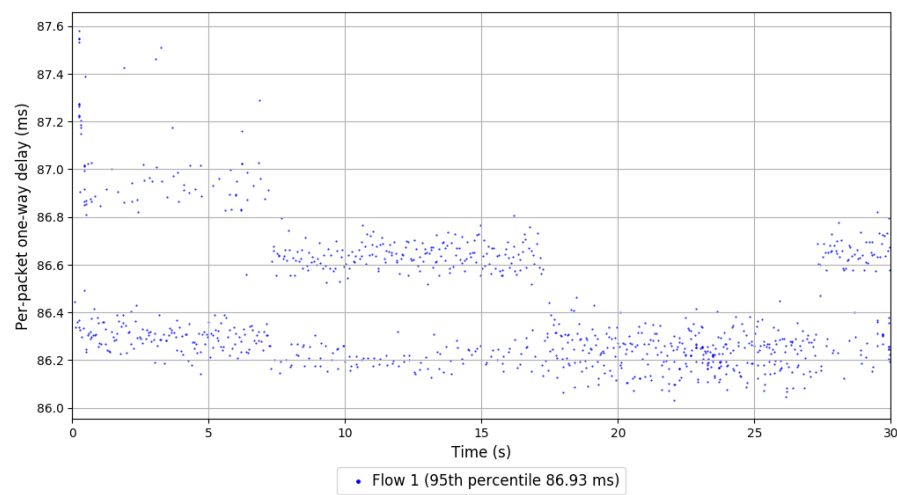
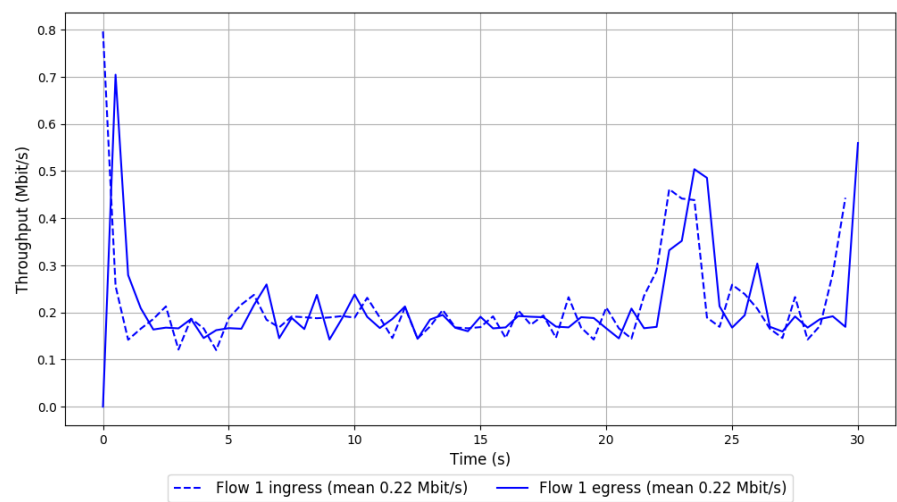
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.934 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-09 22:29:26

End at: 2018-07-09 22:29:56

Local clock offset: -0.007 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-10 00:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.916 ms

Loss rate: 0.00%

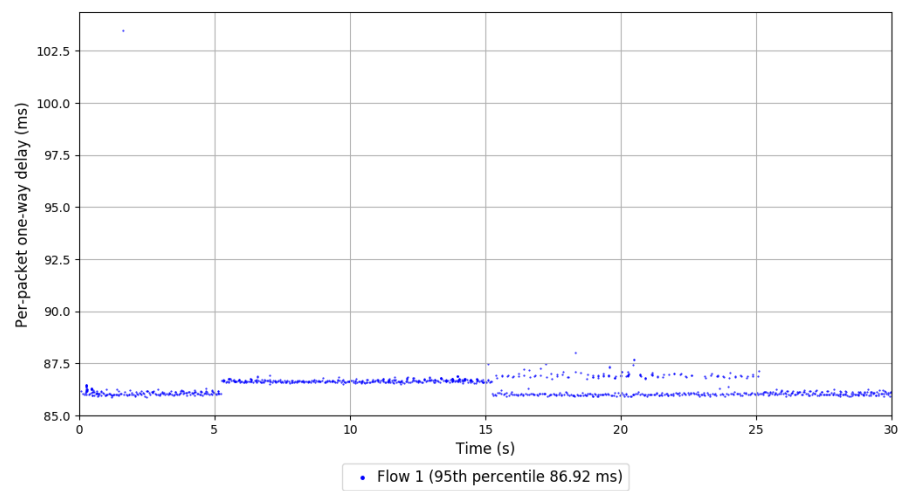
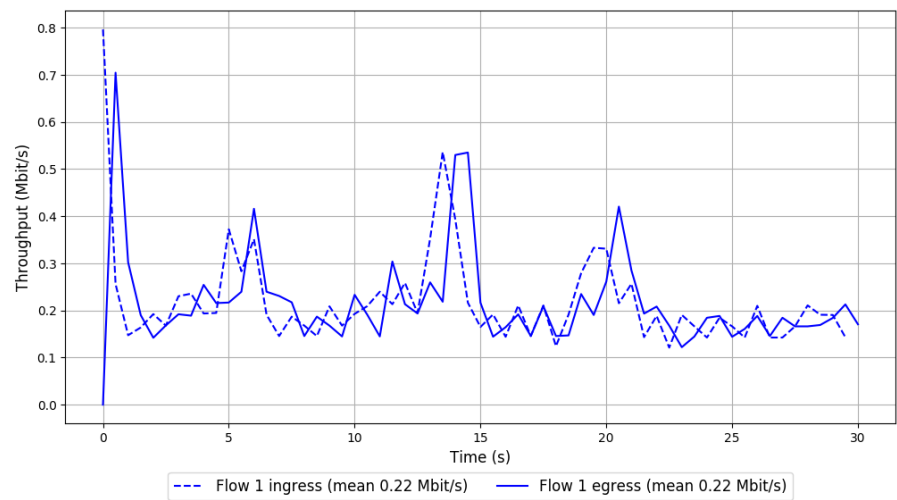
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.916 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-09 19:13:45

End at: 2018-07-09 19:14:15

Local clock offset: -0.0 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-10 00:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.93 Mbit/s

95th percentile per-packet one-way delay: 89.105 ms

Loss rate: 0.00%

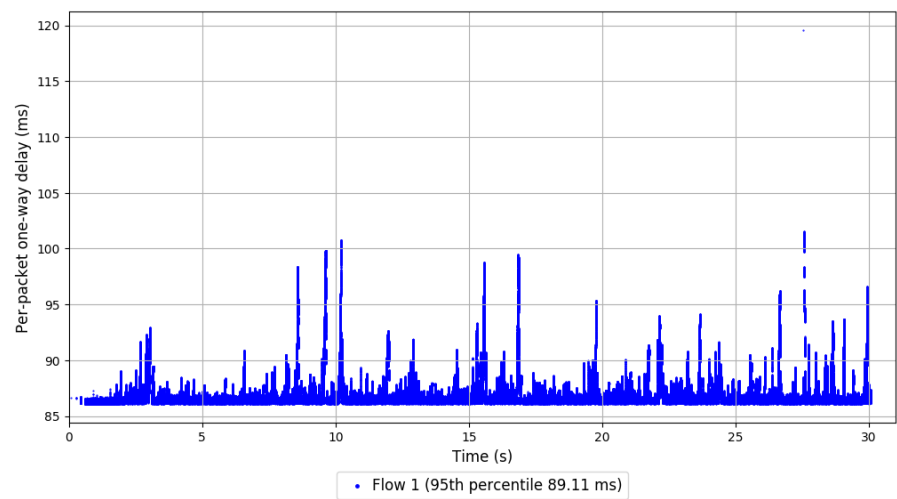
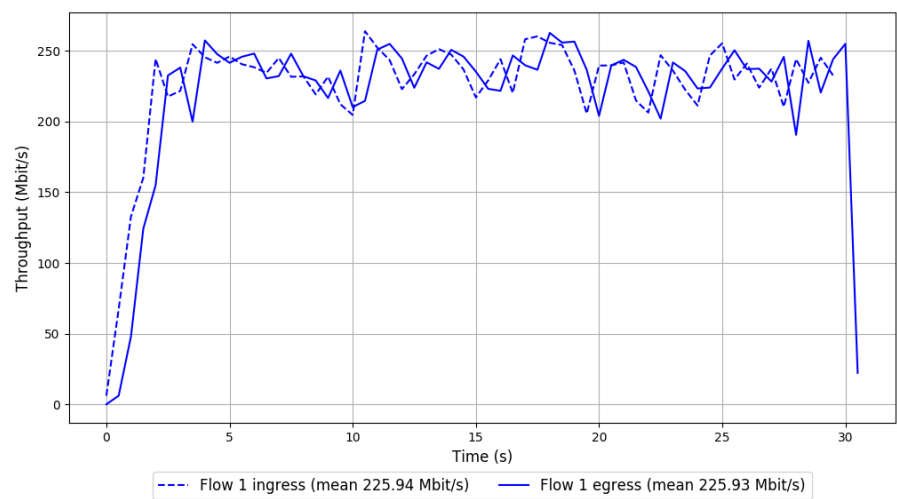
-- Flow 1:

Average throughput: 225.93 Mbit/s

95th percentile per-packet one-way delay: 89.105 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-09 19:36:11

End at: 2018-07-09 19:36:41

Local clock offset: 0.132 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-10 00:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 87.853 ms

Loss rate: 0.00%

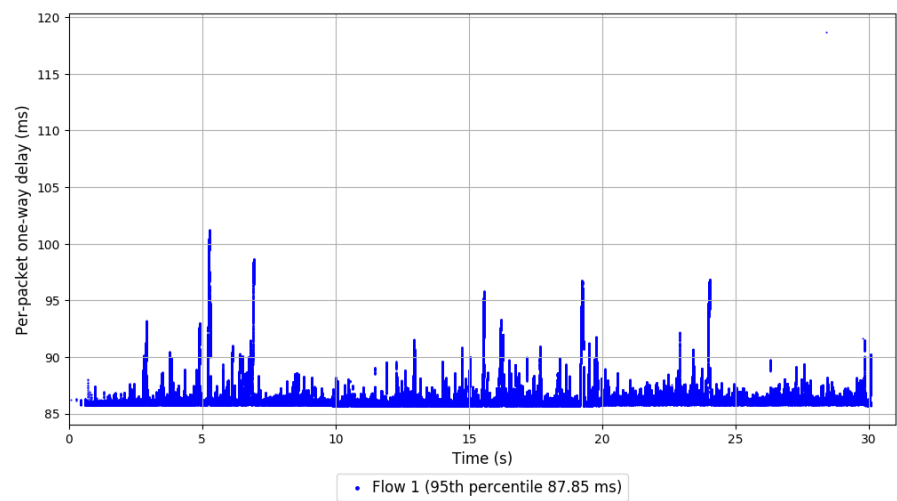
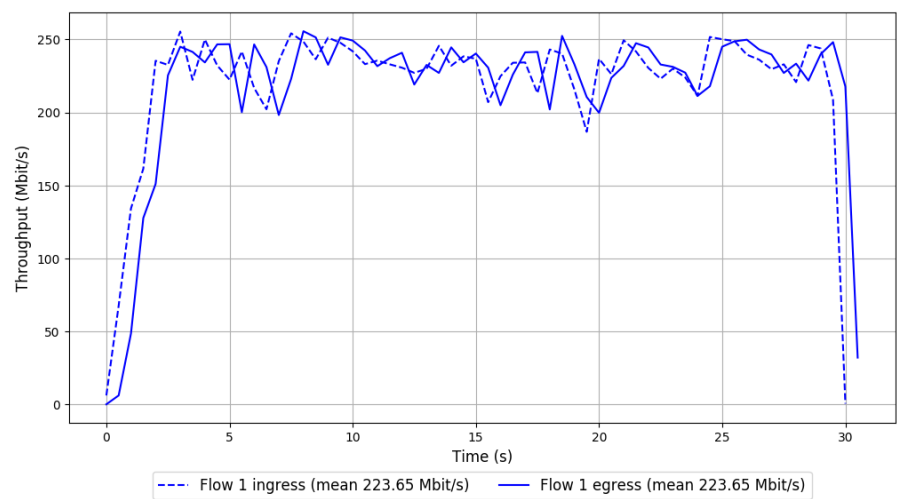
-- Flow 1:

Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 87.853 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-09 19:58:47

End at: 2018-07-09 19:59:17

Local clock offset: -0.069 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-10 00:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.53 Mbit/s

95th percentile per-packet one-way delay: 87.808 ms

Loss rate: 0.01%

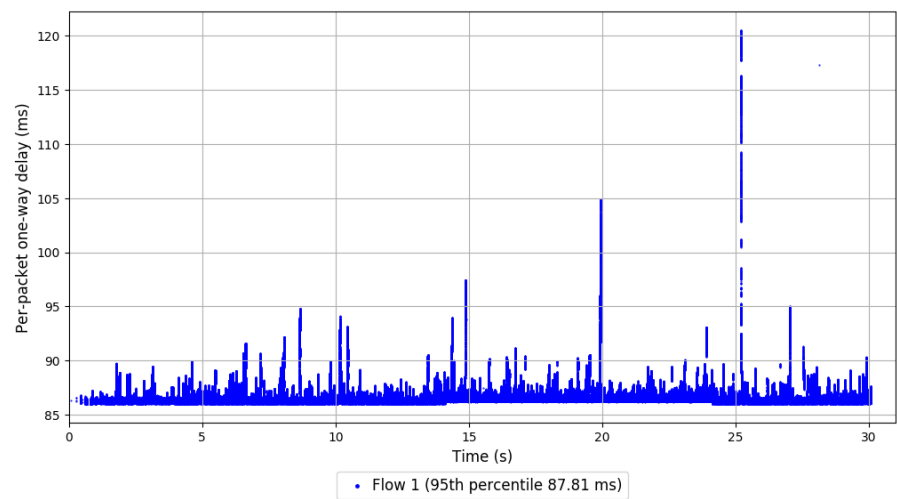
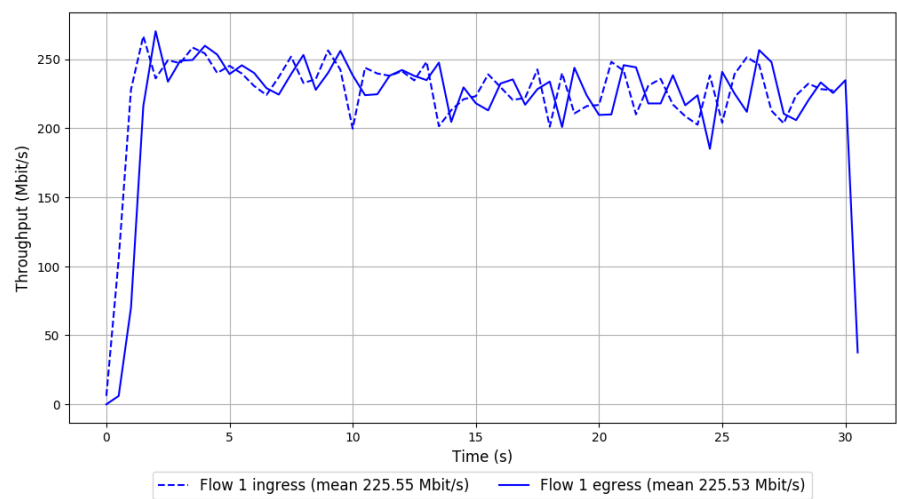
-- Flow 1:

Average throughput: 225.53 Mbit/s

95th percentile per-packet one-way delay: 87.808 ms

Loss rate: 0.01%

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

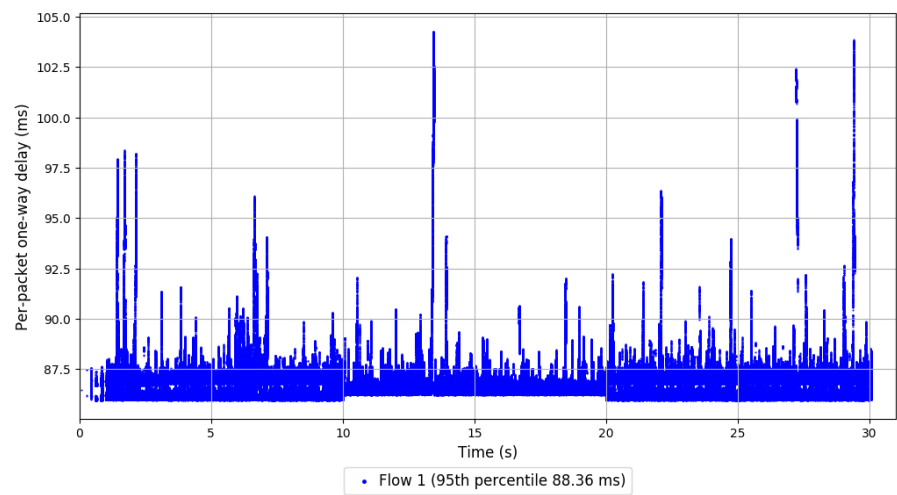
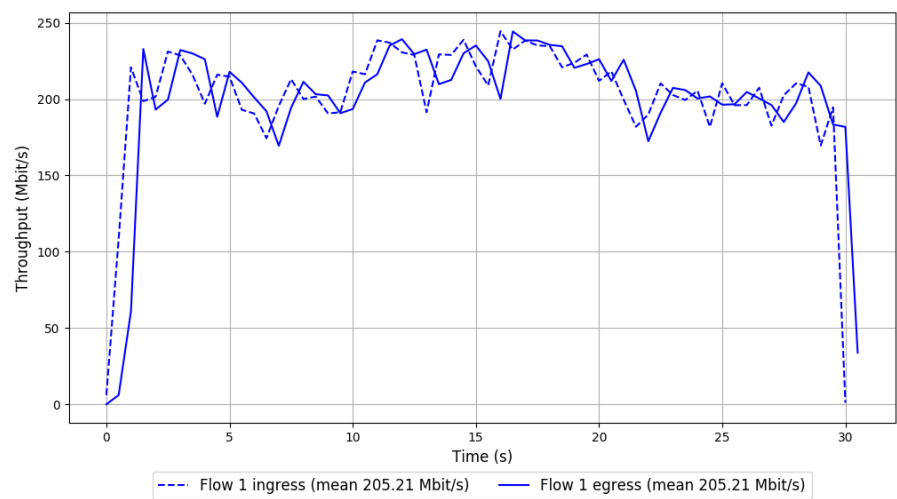


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-09 20:21:31
End at: 2018-07-09 20:22:01
Local clock offset: -0.165 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-10 00:15:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 88.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 88.362 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-09 20:43:58

End at: 2018-07-09 20:44:28

Local clock offset: -0.089 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-10 00:15:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.79 Mbit/s

95th percentile per-packet one-way delay: 87.403 ms

Loss rate: 0.00%

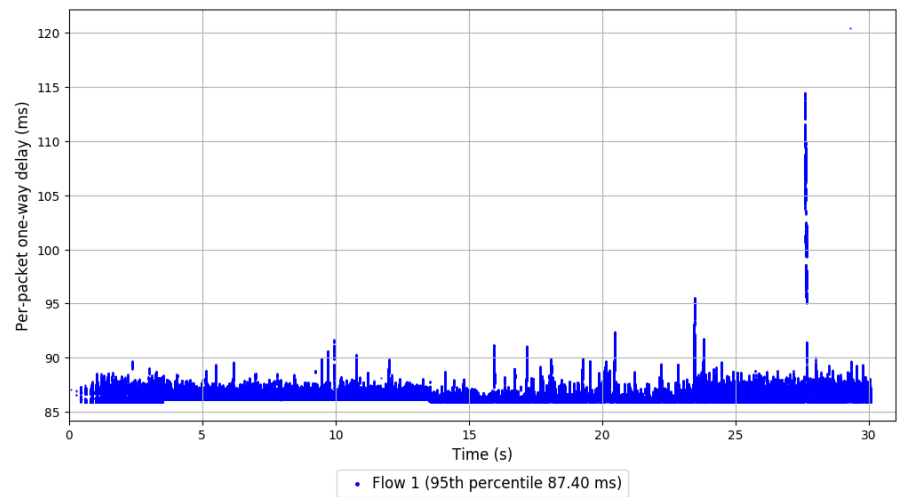
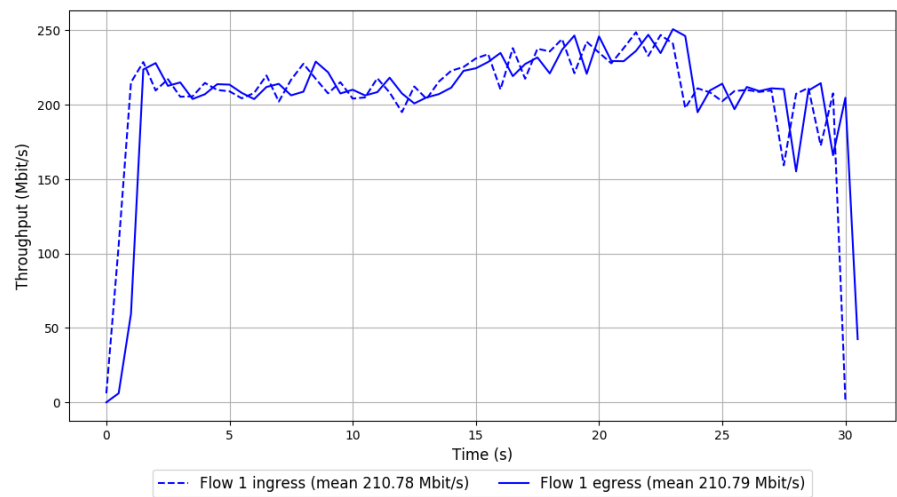
-- Flow 1:

Average throughput: 210.79 Mbit/s

95th percentile per-packet one-way delay: 87.403 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-09 21:06:22

End at: 2018-07-09 21:06:52

Local clock offset: 0.079 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-10 00:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 87.042 ms

Loss rate: 0.00%

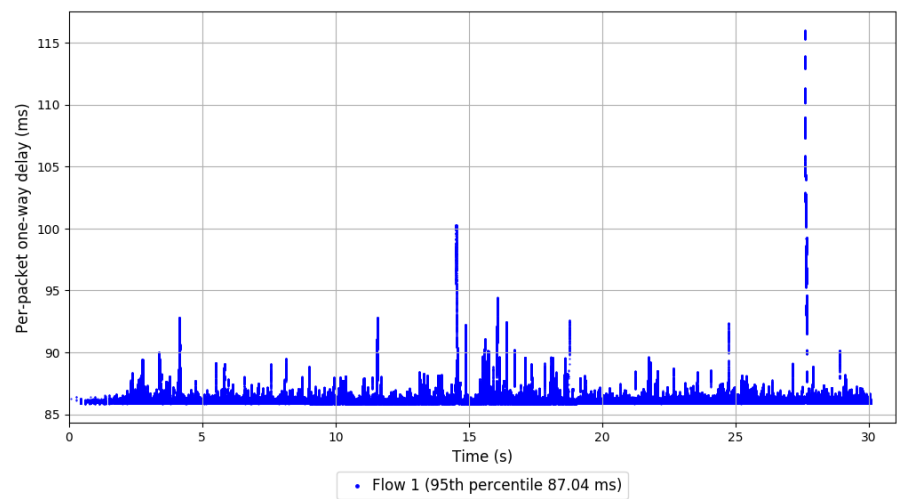
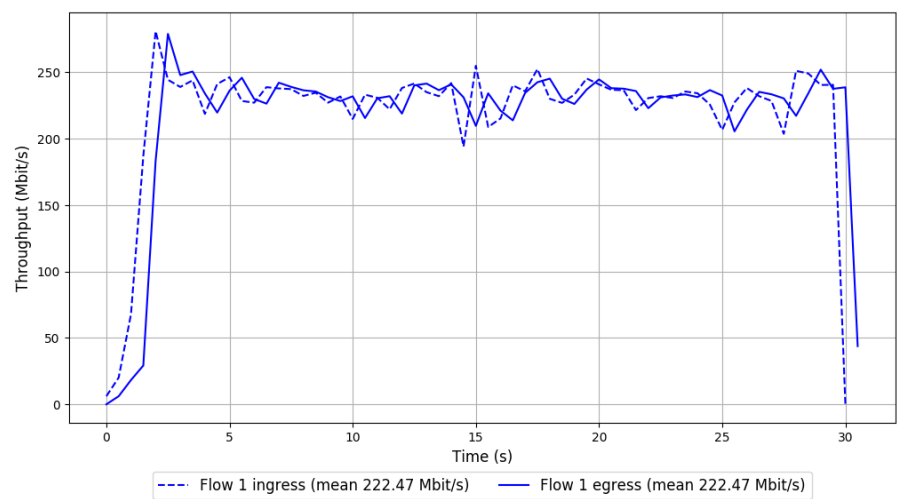
-- Flow 1:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 87.042 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-09 21:28:31

End at: 2018-07-09 21:29:01

Local clock offset: -0.181 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-10 00:17:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.32 Mbit/s

95th percentile per-packet one-way delay: 90.925 ms

Loss rate: 0.00%

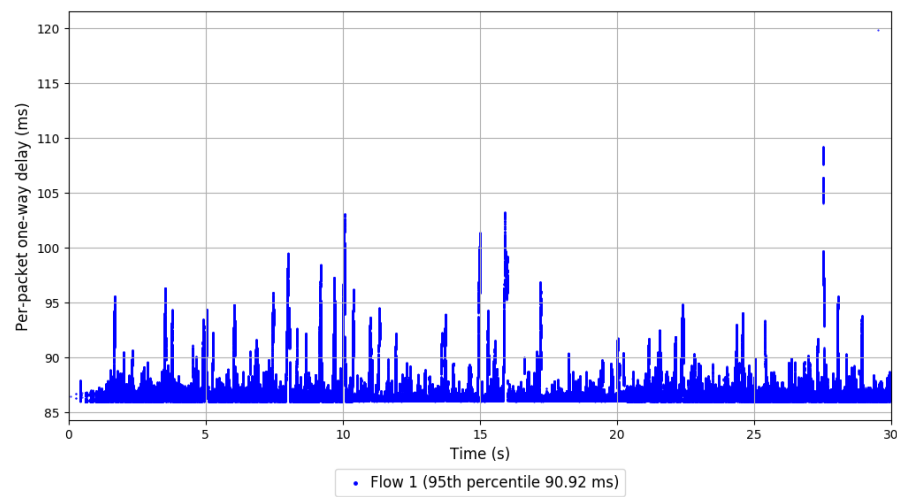
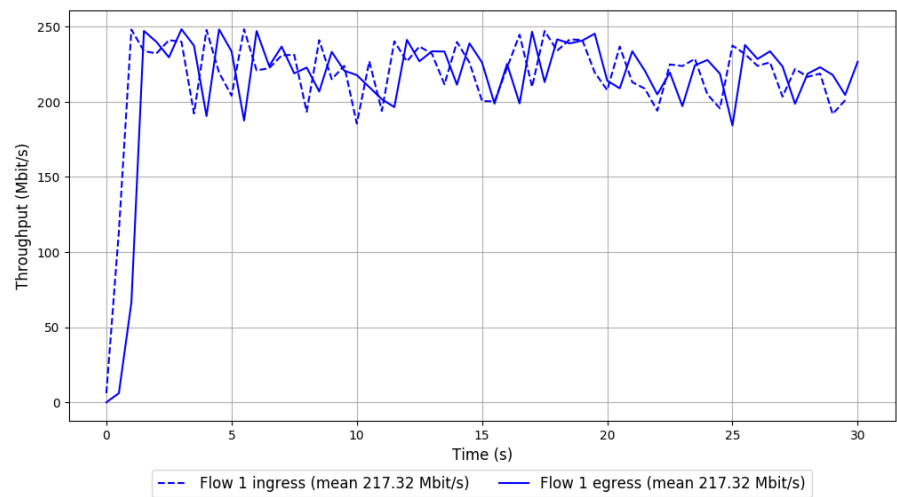
-- Flow 1:

Average throughput: 217.32 Mbit/s

95th percentile per-packet one-way delay: 90.925 ms

Loss rate: 0.00%

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

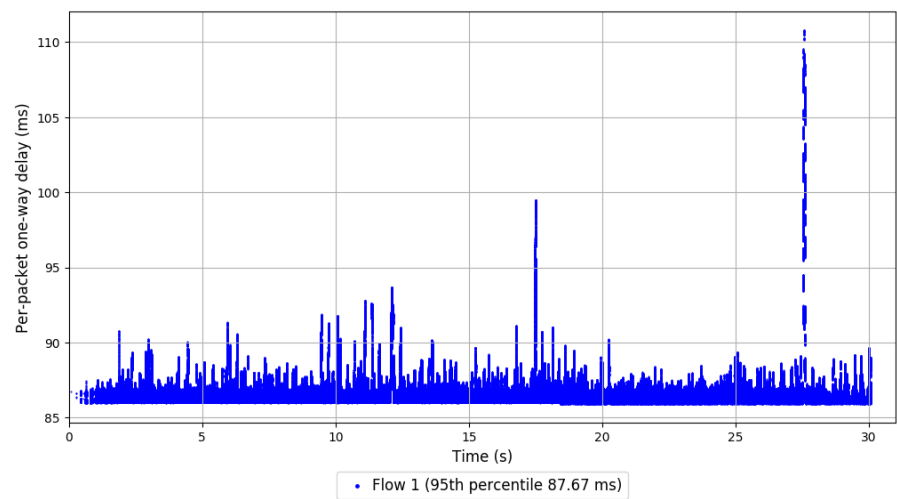
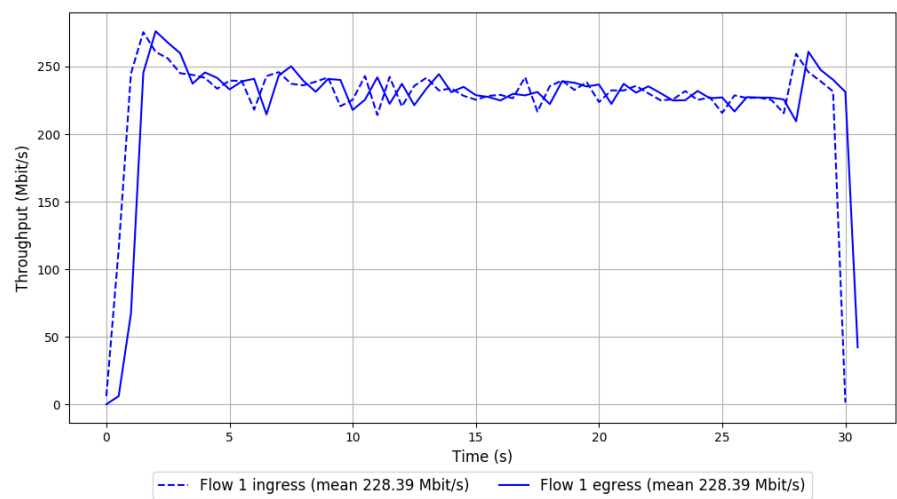


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-09 21:51:03
End at: 2018-07-09 21:51:33
Local clock offset: -0.119 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-10 00:17:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.39 Mbit/s
95th percentile per-packet one-way delay: 87.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.39 Mbit/s
95th percentile per-packet one-way delay: 87.665 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-09 22:13:29

End at: 2018-07-09 22:13:59

Local clock offset: -0.091 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 00:22:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.67 Mbit/s

95th percentile per-packet one-way delay: 87.887 ms

Loss rate: 0.00%

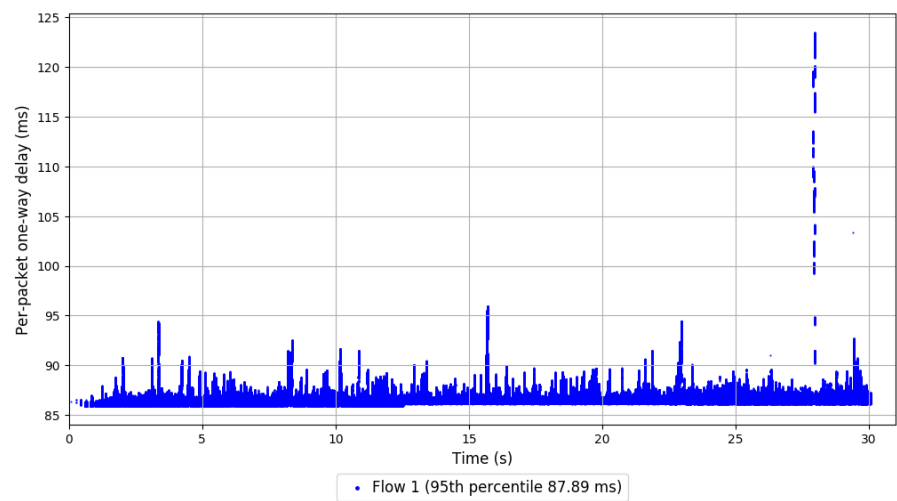
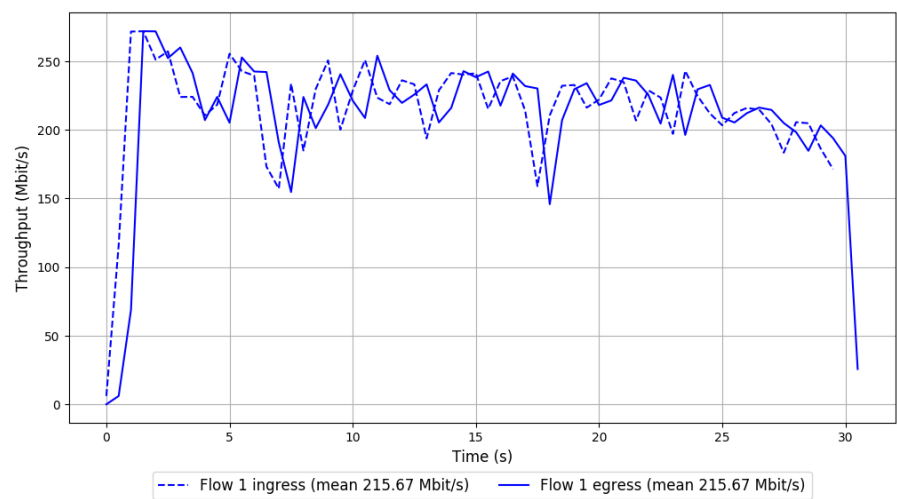
-- Flow 1:

Average throughput: 215.67 Mbit/s

95th percentile per-packet one-way delay: 87.887 ms

Loss rate: 0.00%

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

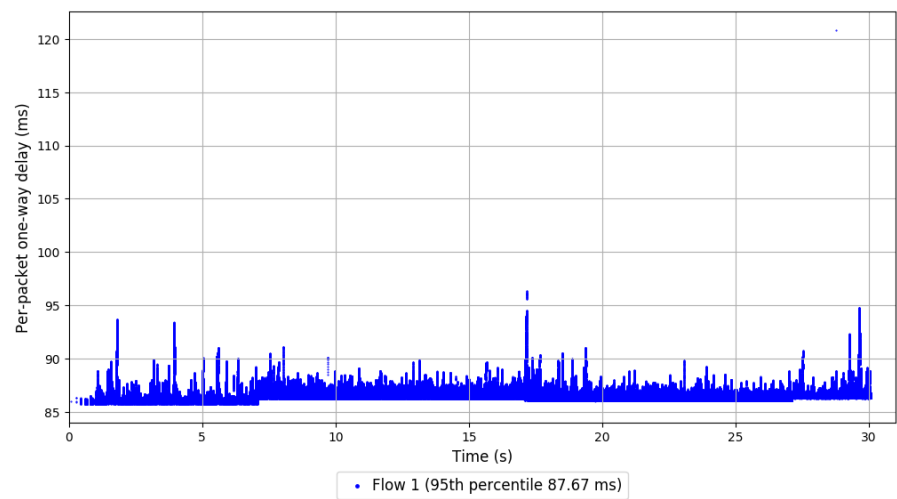
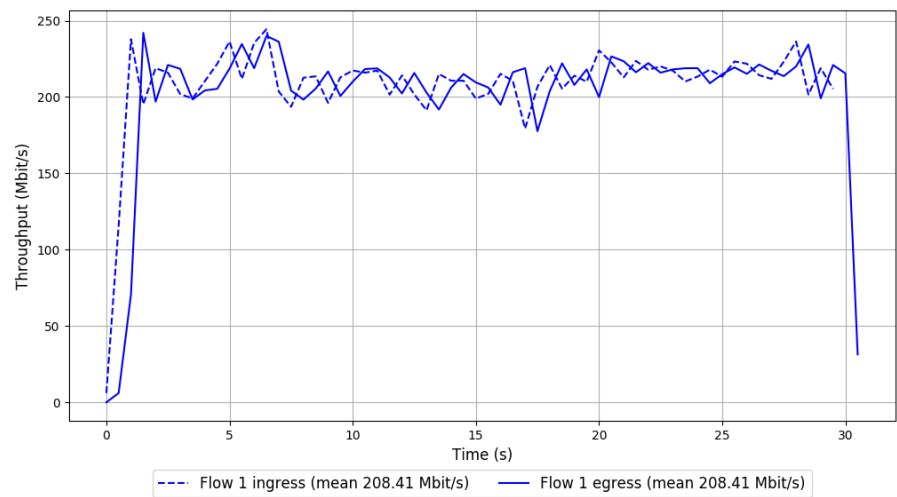


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-09 22:35:44
End at: 2018-07-09 22:36:14
Local clock offset: 0.041 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-07-10 00:22:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.41 Mbit/s
95th percentile per-packet one-way delay: 87.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.41 Mbit/s
95th percentile per-packet one-way delay: 87.668 ms
Loss rate: 0.00%
```

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

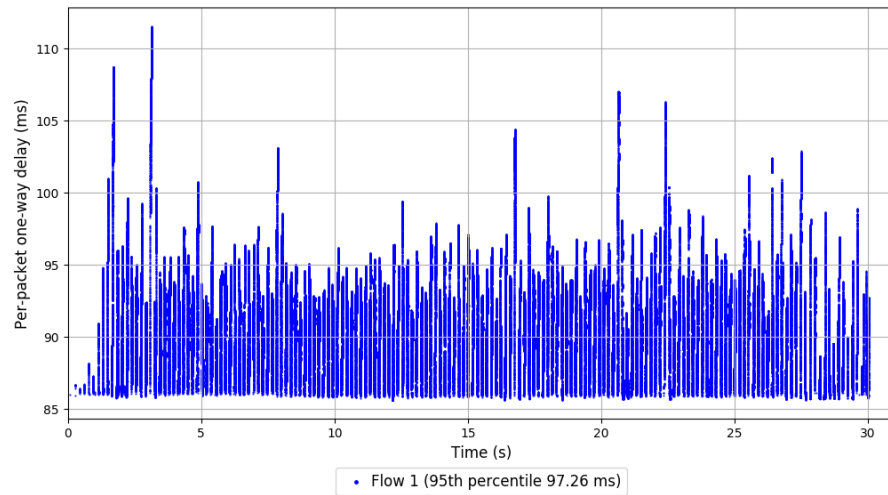
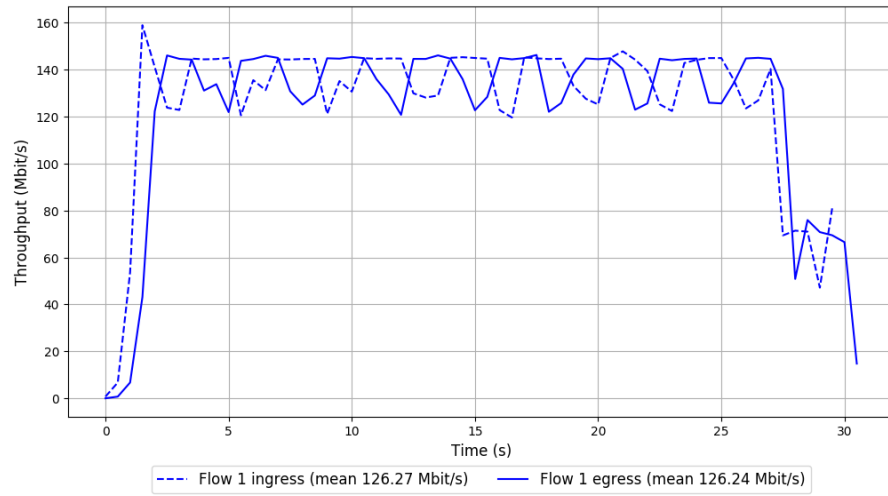


Run 1: Statistics of TCP Vegas

Start at: 2018-07-09 19:17:53
End at: 2018-07-09 19:18:23
Local clock offset: 0.226 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-10 00:22:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.24 Mbit/s
95th percentile per-packet one-way delay: 97.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.24 Mbit/s
95th percentile per-packet one-way delay: 97.260 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

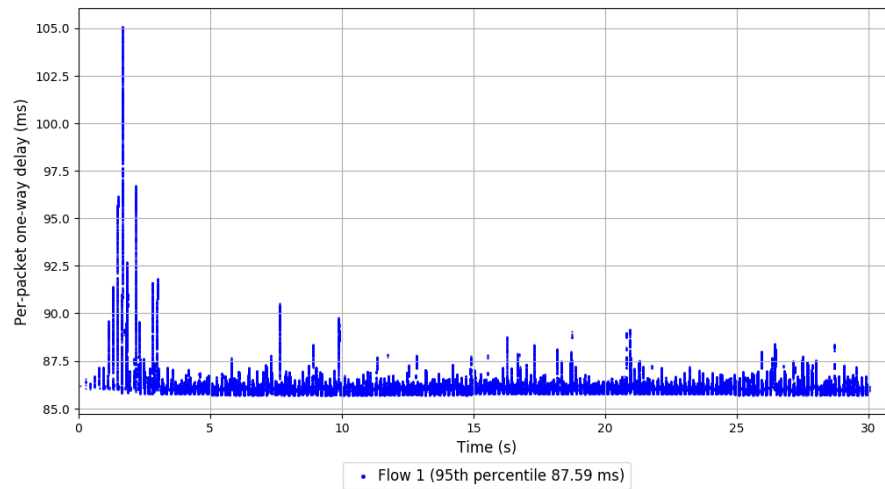
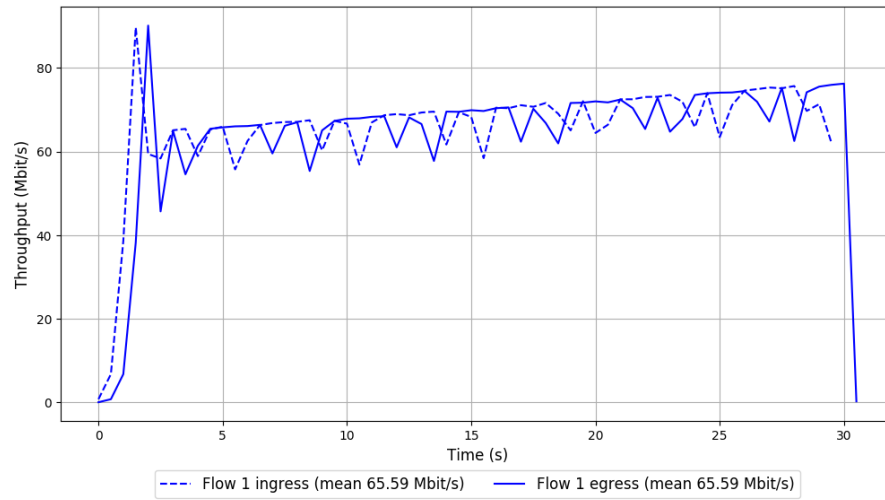


Run 2: Statistics of TCP Vegas

Start at: 2018-07-09 19:40:26
End at: 2018-07-09 19:40:56
Local clock offset: 0.203 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-10 00:22:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 87.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 87.592 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-09 20:03:00

End at: 2018-07-09 20:03:30

Local clock offset: -0.0 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.19 Mbit/s

95th percentile per-packet one-way delay: 97.913 ms

Loss rate: 0.00%

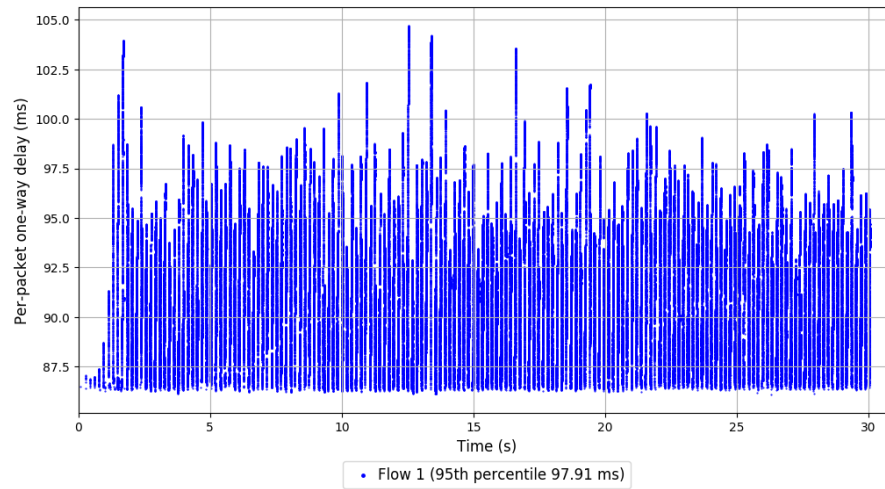
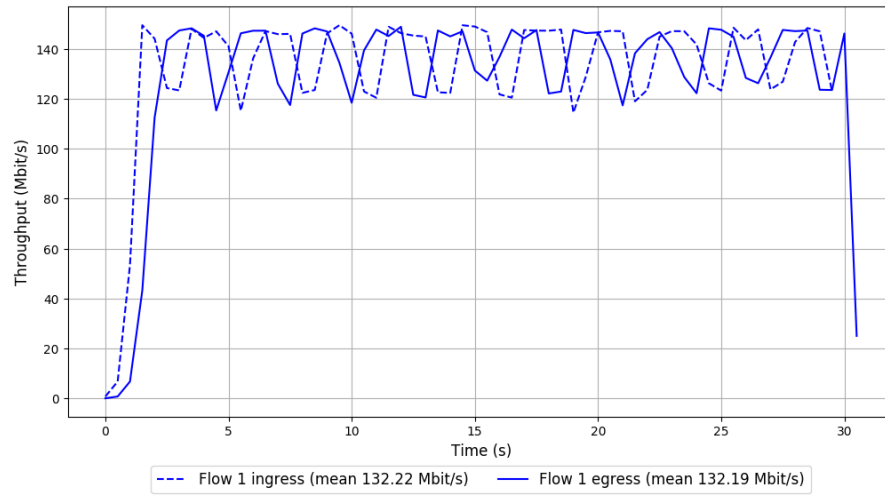
-- Flow 1:

Average throughput: 132.19 Mbit/s

95th percentile per-packet one-way delay: 97.913 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-09 20:25:46

End at: 2018-07-09 20:26:16

Local clock offset: -0.226 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.09 Mbit/s

95th percentile per-packet one-way delay: 97.908 ms

Loss rate: 0.00%

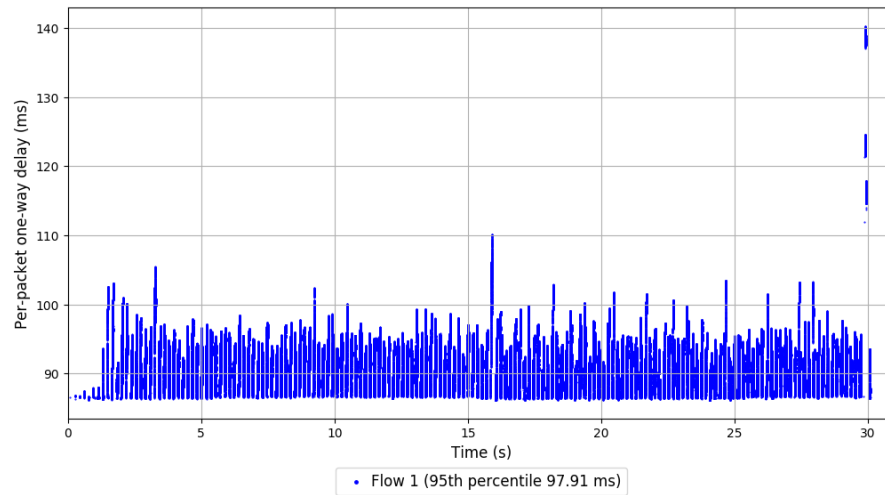
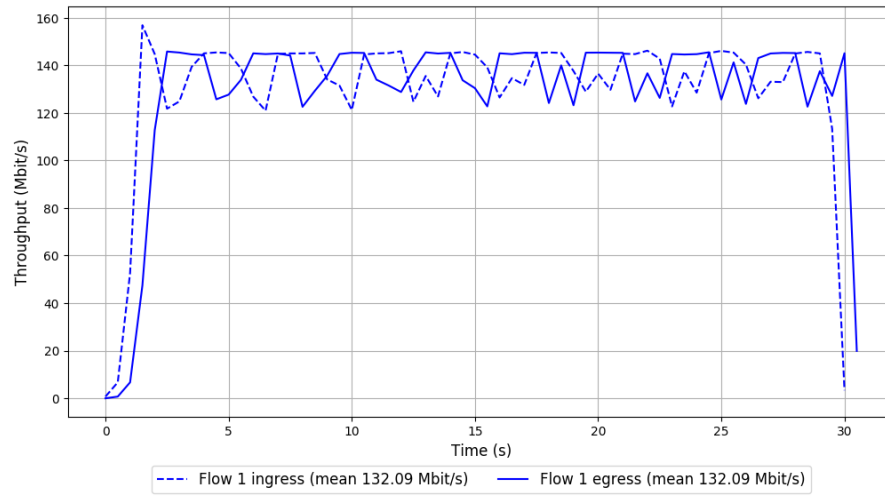
-- Flow 1:

Average throughput: 132.09 Mbit/s

95th percentile per-packet one-way delay: 97.908 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-09 20:48:09

End at: 2018-07-09 20:48:39

Local clock offset: 0.22 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 88.231 ms

Loss rate: 0.00%

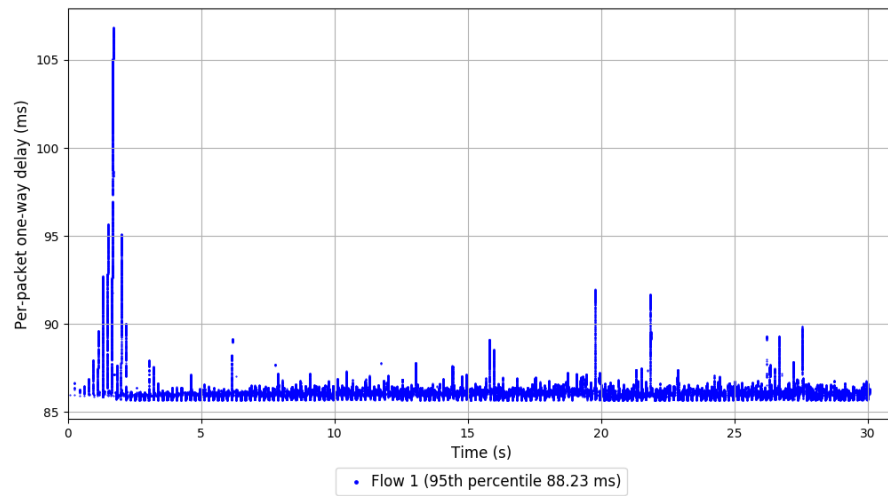
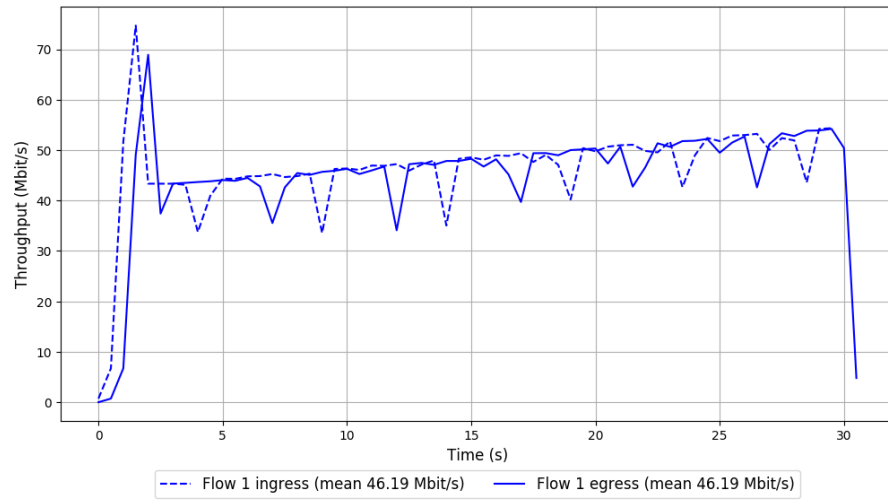
-- Flow 1:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 88.231 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-09 21:10:35

End at: 2018-07-09 21:11:05

Local clock offset: 0.048 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 96.805 ms

Loss rate: 0.09%

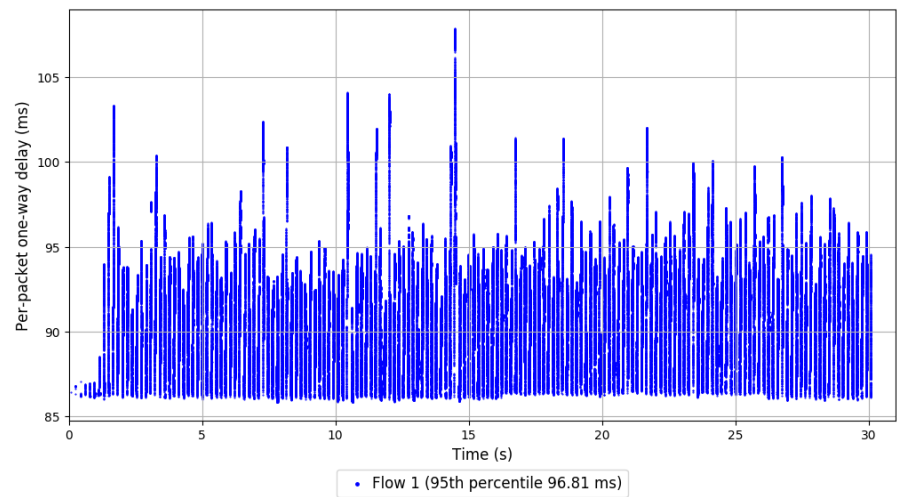
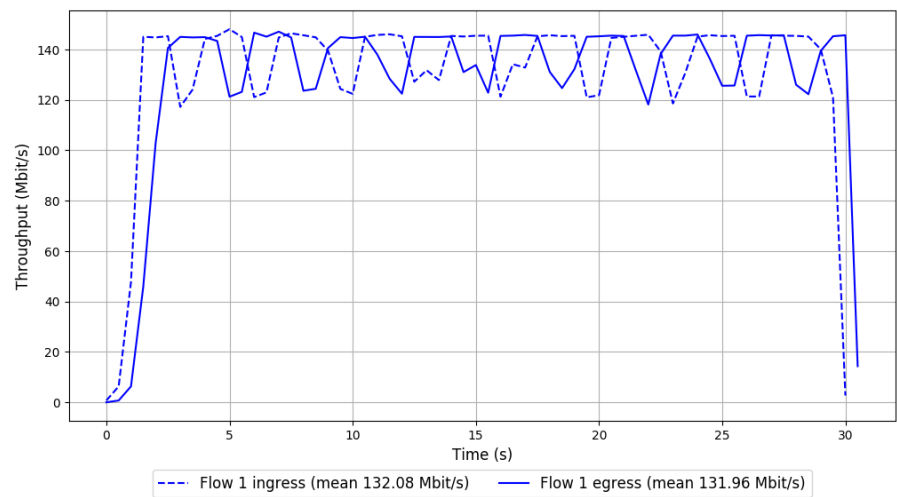
-- Flow 1:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 96.805 ms

Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-09 21:32:41

End at: 2018-07-09 21:33:11

Local clock offset: -0.032 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.04 Mbit/s

95th percentile per-packet one-way delay: 87.985 ms

Loss rate: 0.00%

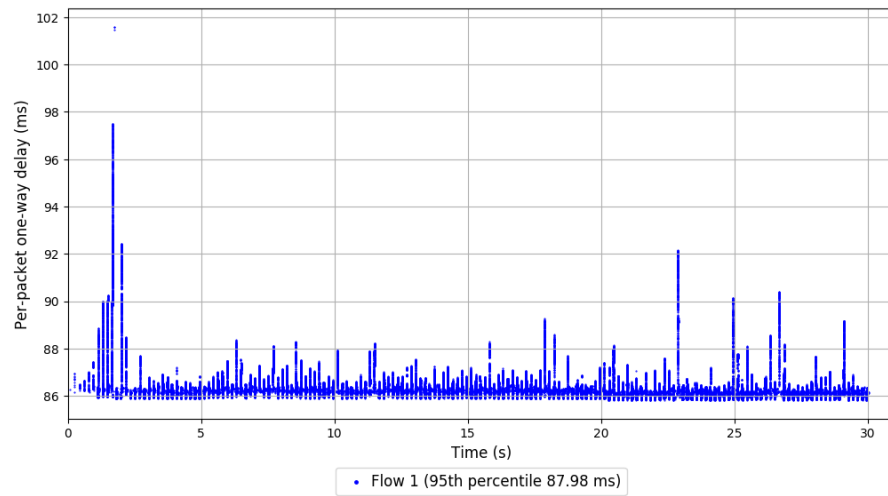
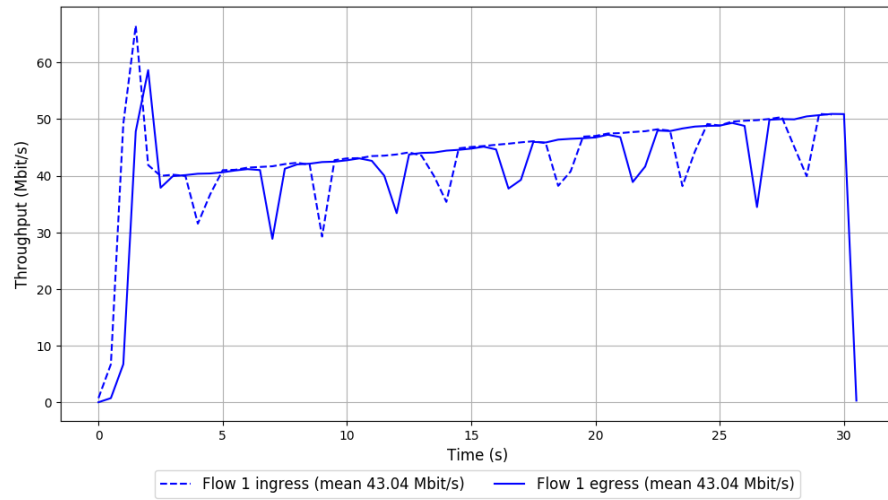
-- Flow 1:

Average throughput: 43.04 Mbit/s

95th percentile per-packet one-way delay: 87.985 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

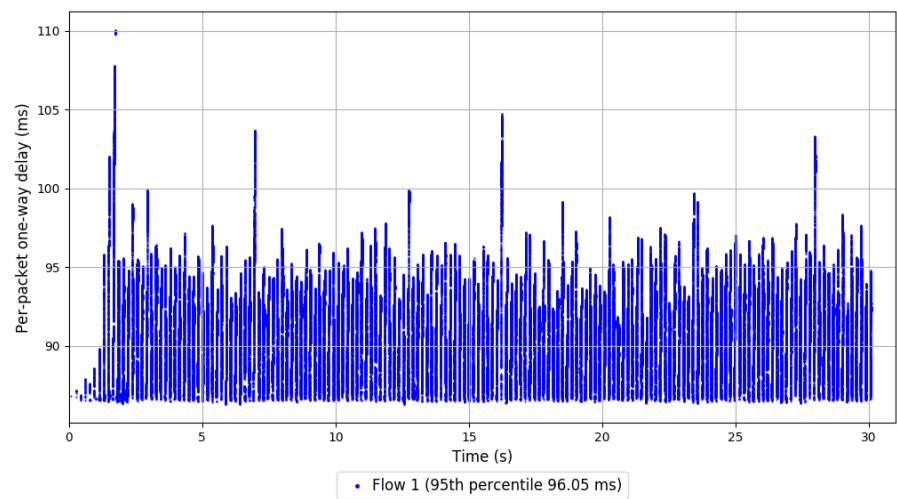
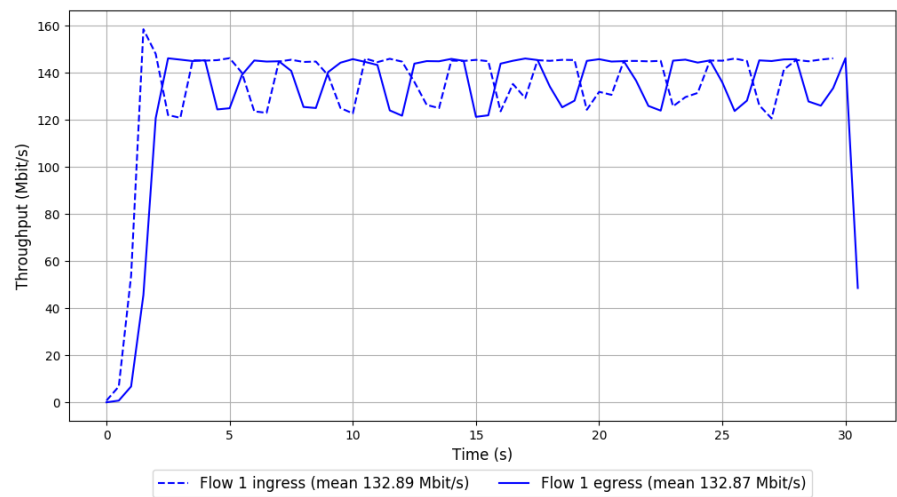


Run 8: Statistics of TCP Vegas

Start at: 2018-07-09 21:55:14
End at: 2018-07-09 21:55:45
Local clock offset: -0.222 ms
Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-10 00:22:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.87 Mbit/s
95th percentile per-packet one-way delay: 96.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.87 Mbit/s
95th percentile per-packet one-way delay: 96.046 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-09 22:17:40

End at: 2018-07-09 22:18:10

Local clock offset: -0.109 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.72 Mbit/s

95th percentile per-packet one-way delay: 87.376 ms

Loss rate: 0.00%

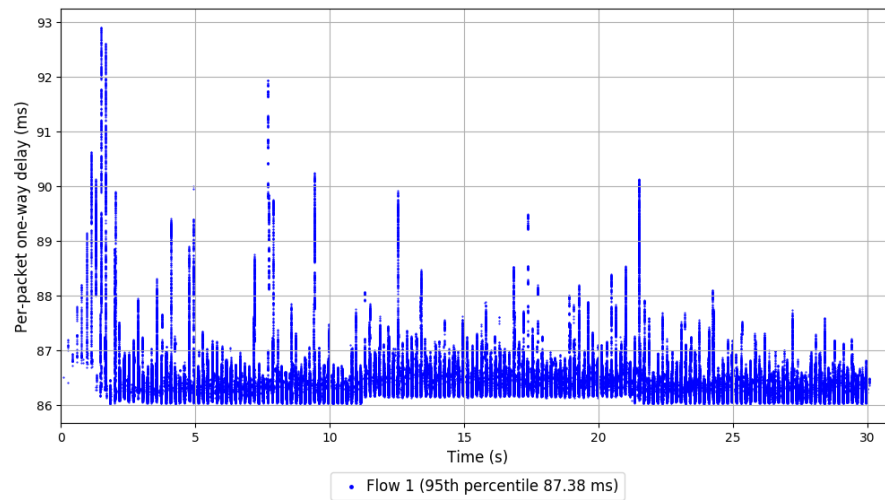
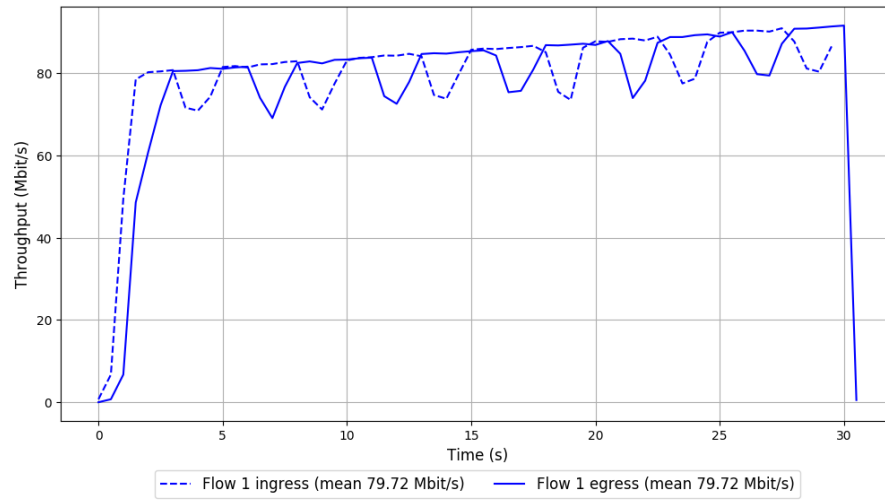
-- Flow 1:

Average throughput: 79.72 Mbit/s

95th percentile per-packet one-way delay: 87.376 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-09 22:39:58

End at: 2018-07-09 22:40:28

Local clock offset: -0.091 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-10 00:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 87.828 ms

Loss rate: 0.00%

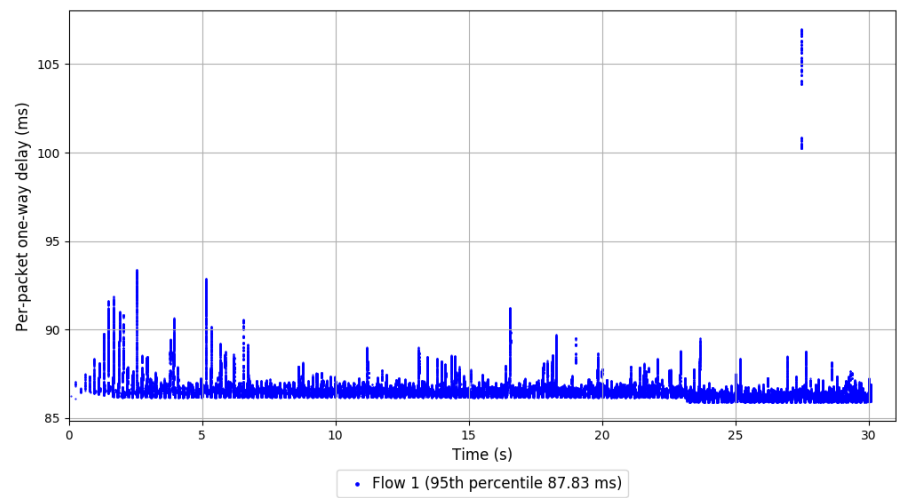
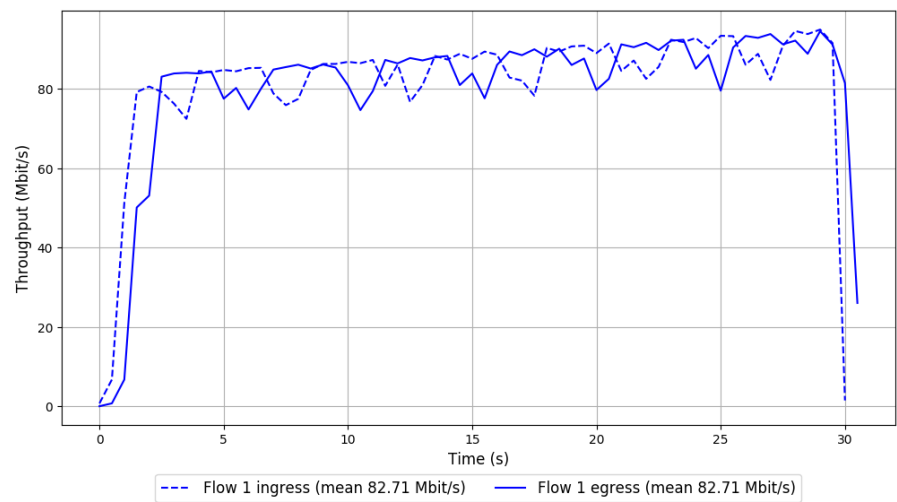
-- Flow 1:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 87.828 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

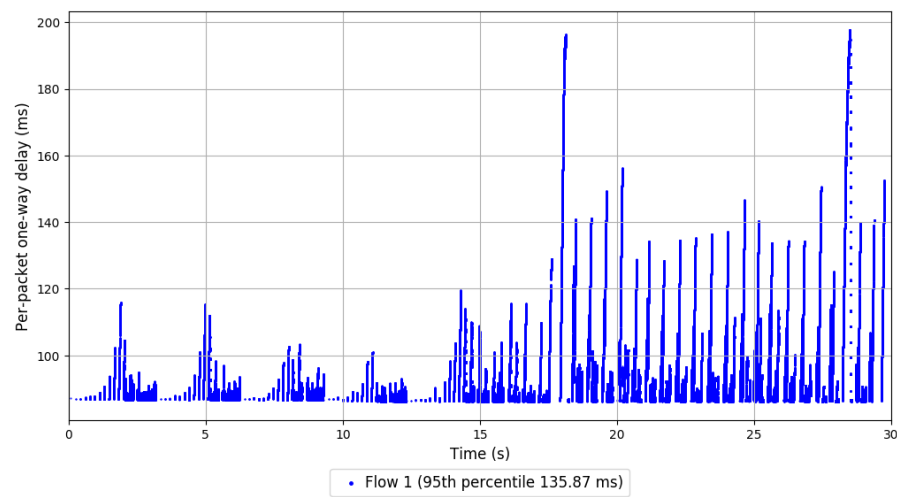
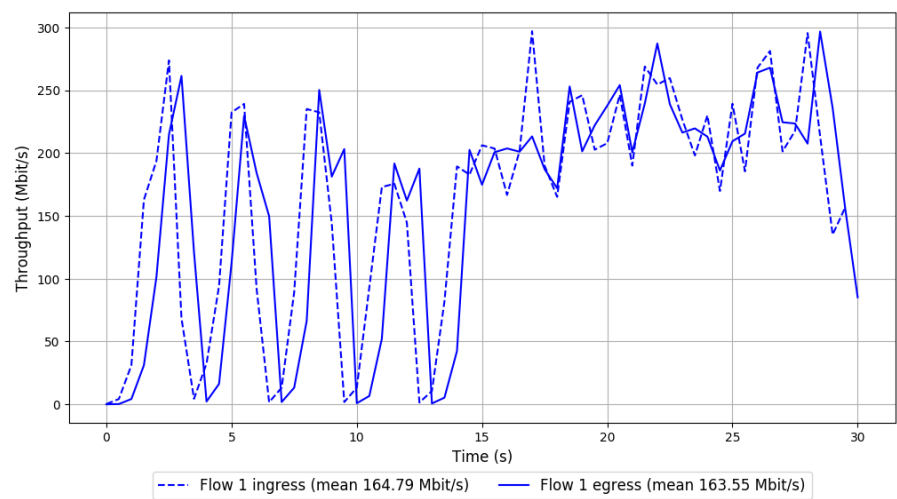


Run 1: Statistics of Verus

Start at: 2018-07-09 18:57:51
End at: 2018-07-09 18:58:21
Local clock offset: -0.169 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-10 00:22:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.55 Mbit/s
95th percentile per-packet one-way delay: 135.874 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 163.55 Mbit/s
95th percentile per-packet one-way delay: 135.874 ms
Loss rate: 0.74%

Run 1: Report of Verus — Data Link

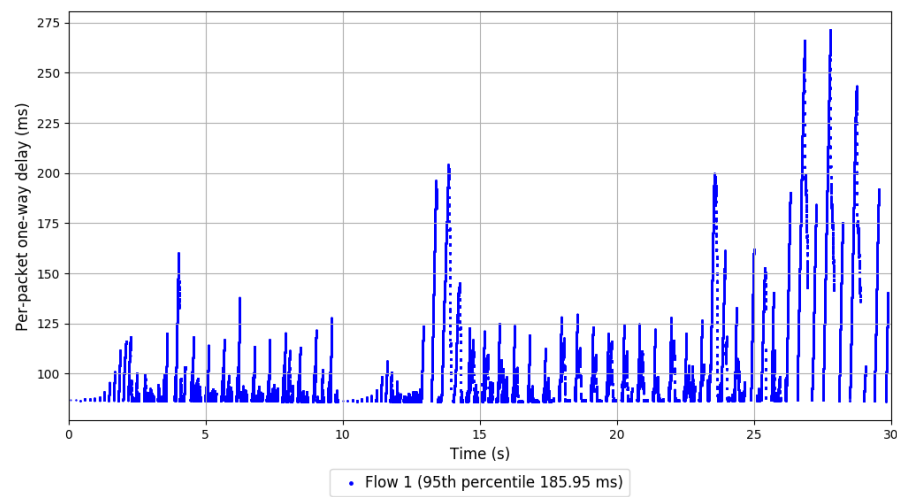
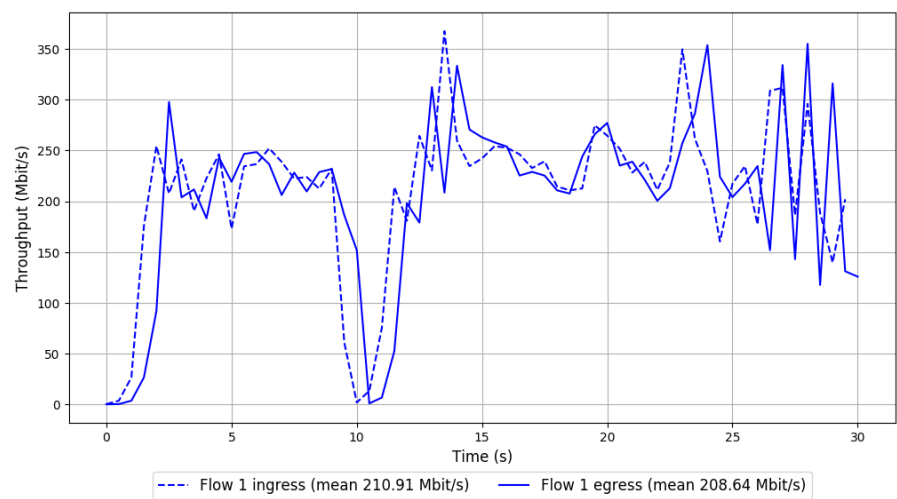


Run 2: Statistics of Verus

Start at: 2018-07-09 19:20:13
End at: 2018-07-09 19:20:43
Local clock offset: 0.024 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-10 00:22:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.64 Mbit/s
95th percentile per-packet one-way delay: 185.954 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 208.64 Mbit/s
95th percentile per-packet one-way delay: 185.954 ms
Loss rate: 1.08%

Run 2: Report of Verus — Data Link

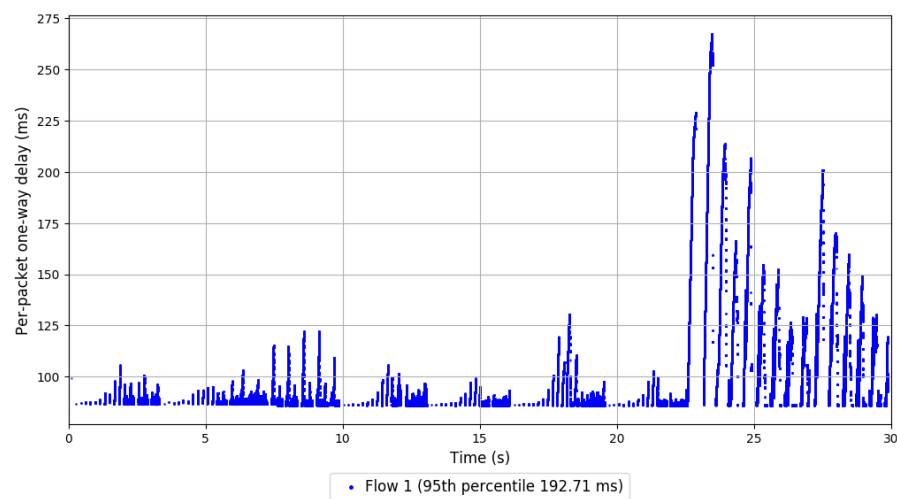
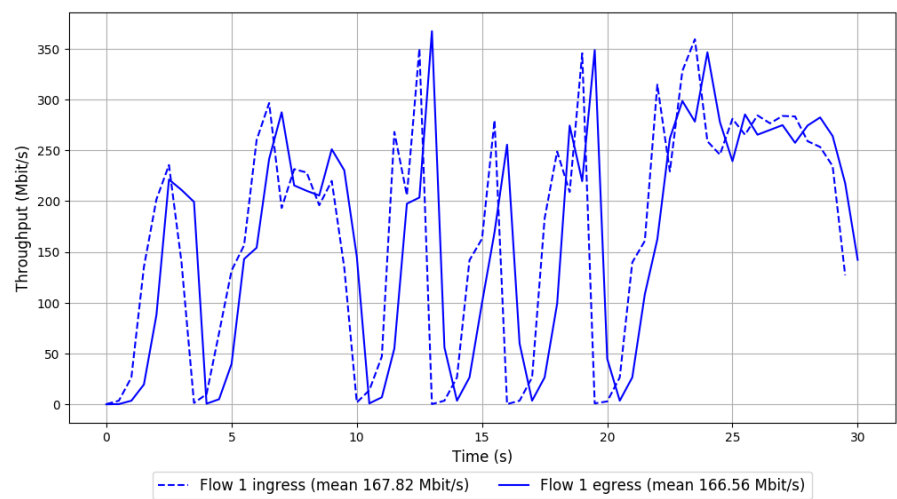


Run 3: Statistics of Verus

Start at: 2018-07-09 19:42:43
End at: 2018-07-09 19:43:13
Local clock offset: 0.057 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-10 00:22:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.56 Mbit/s
95th percentile per-packet one-way delay: 192.711 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 166.56 Mbit/s
95th percentile per-packet one-way delay: 192.711 ms
Loss rate: 0.78%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-09 20:05:21

End at: 2018-07-09 20:05:51

Local clock offset: -0.074 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-10 00:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.80 Mbit/s

95th percentile per-packet one-way delay: 136.305 ms

Loss rate: 0.00%

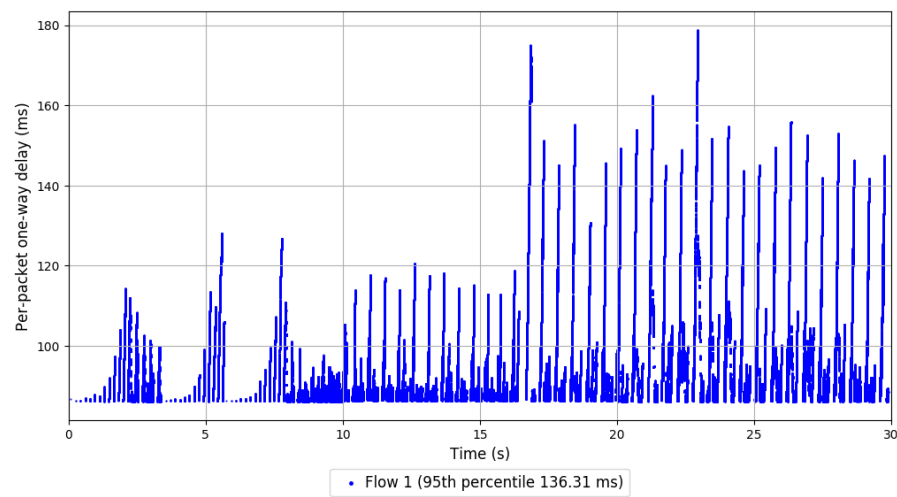
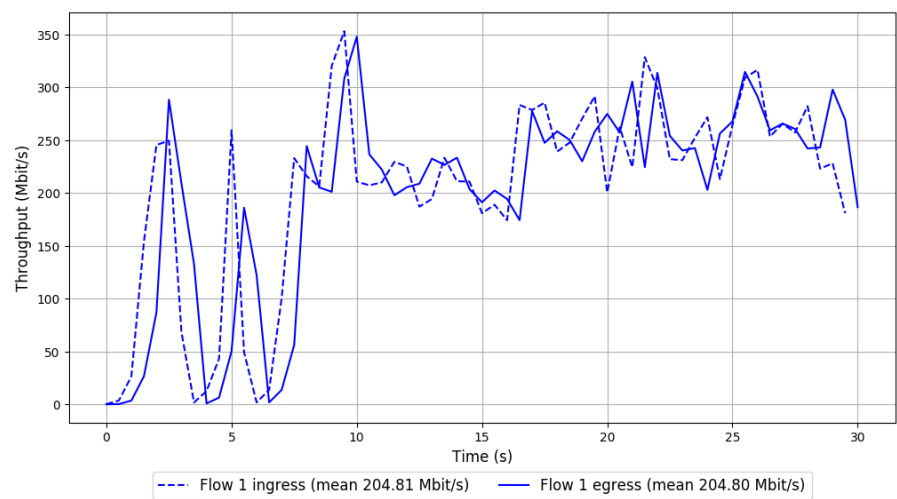
-- Flow 1:

Average throughput: 204.80 Mbit/s

95th percentile per-packet one-way delay: 136.305 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link

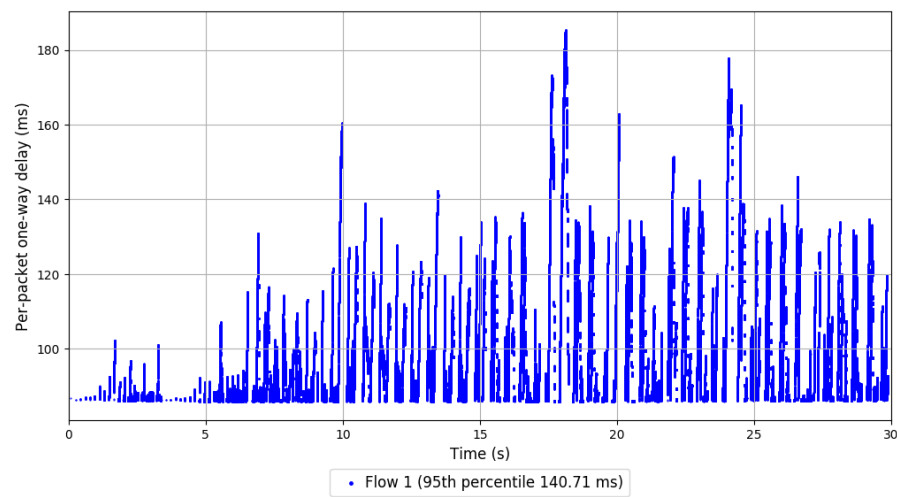
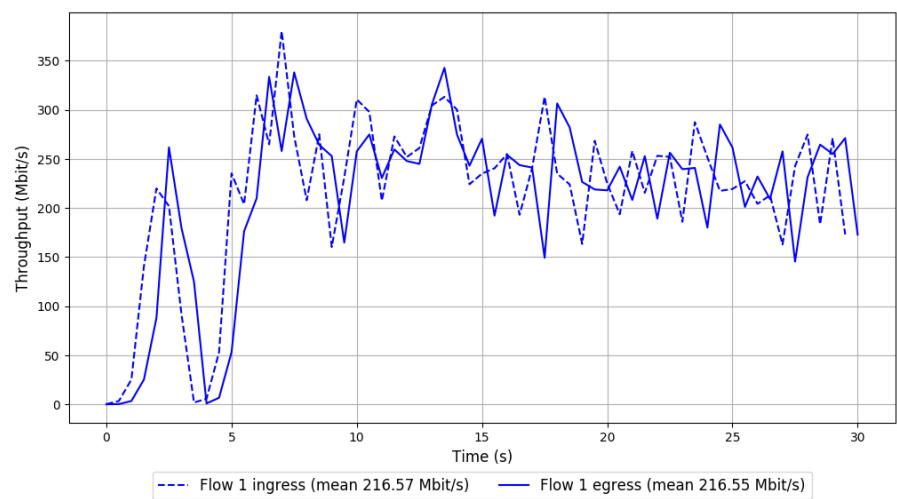


Run 5: Statistics of Verus

Start at: 2018-07-09 20:28:06
End at: 2018-07-09 20:28:36
Local clock offset: 0.003 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-10 00:23:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.55 Mbit/s
95th percentile per-packet one-way delay: 140.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.55 Mbit/s
95th percentile per-packet one-way delay: 140.714 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-09 20:50:26

End at: 2018-07-09 20:50:56

Local clock offset: -0.044 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-10 00:23:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.45 Mbit/s

95th percentile per-packet one-way delay: 148.556 ms

Loss rate: 0.16%

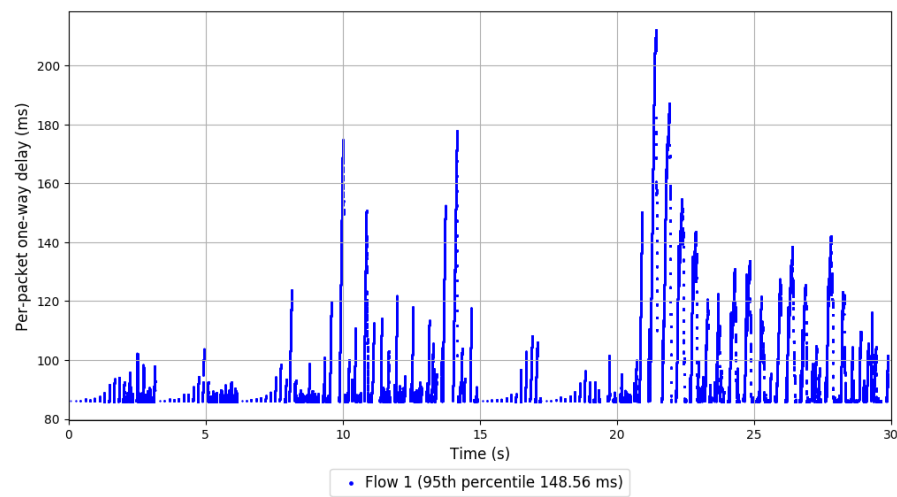
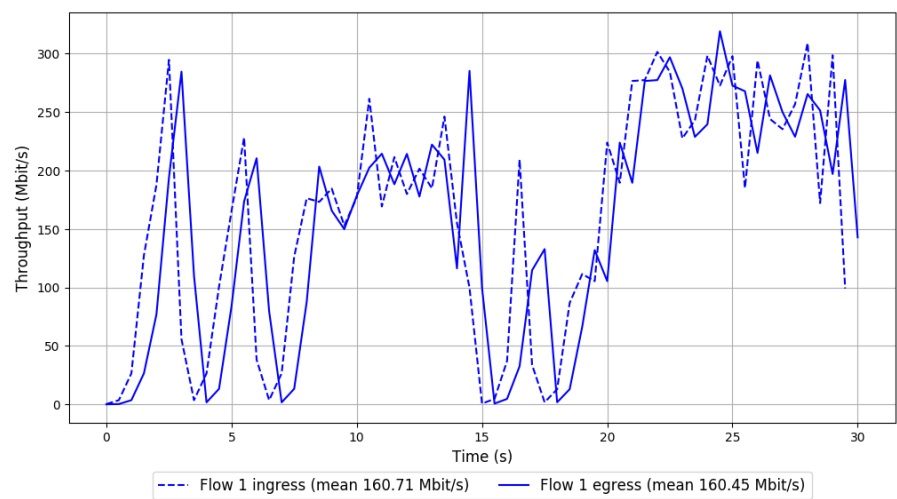
-- Flow 1:

Average throughput: 160.45 Mbit/s

95th percentile per-packet one-way delay: 148.556 ms

Loss rate: 0.16%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-09 21:12:55

End at: 2018-07-09 21:13:25

Local clock offset: -0.274 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-10 00:23:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.85 Mbit/s

95th percentile per-packet one-way delay: 261.376 ms

Loss rate: 2.88%

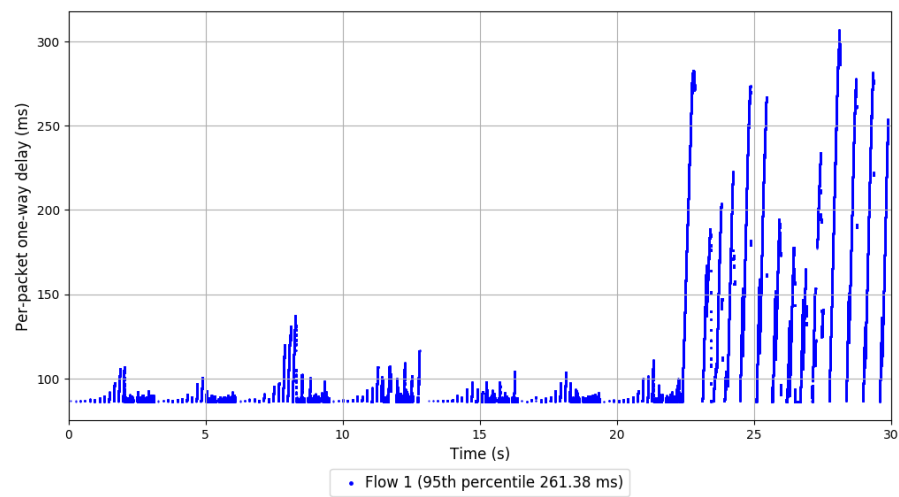
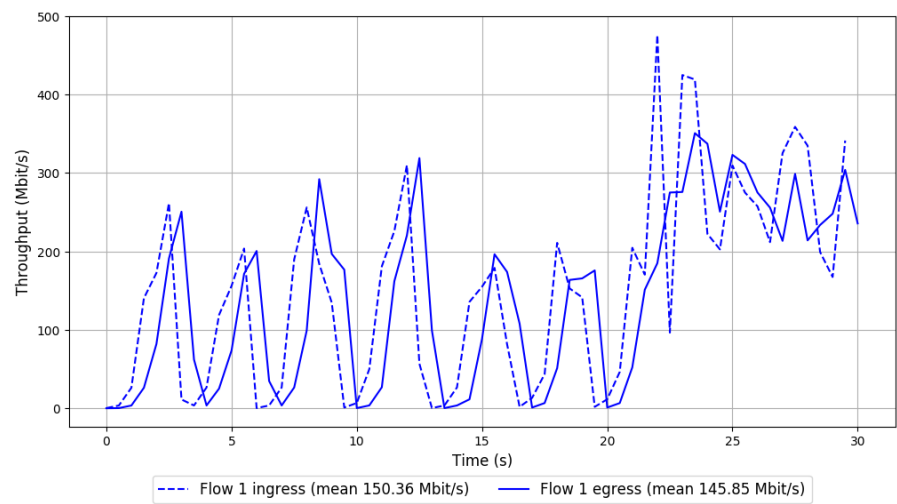
-- Flow 1:

Average throughput: 145.85 Mbit/s

95th percentile per-packet one-way delay: 261.376 ms

Loss rate: 2.88%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-09 21:34:57

End at: 2018-07-09 21:35:27

Local clock offset: 0.093 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-10 00:24:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.22 Mbit/s

95th percentile per-packet one-way delay: 122.899 ms

Loss rate: 0.00%

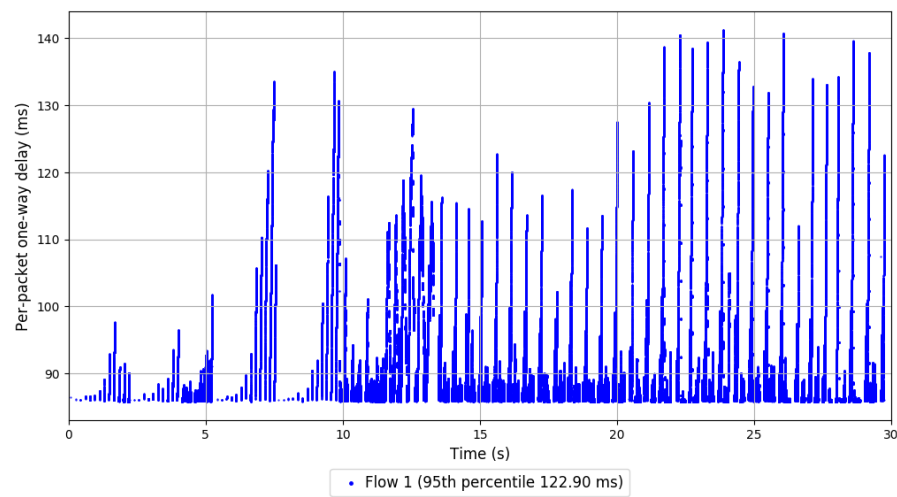
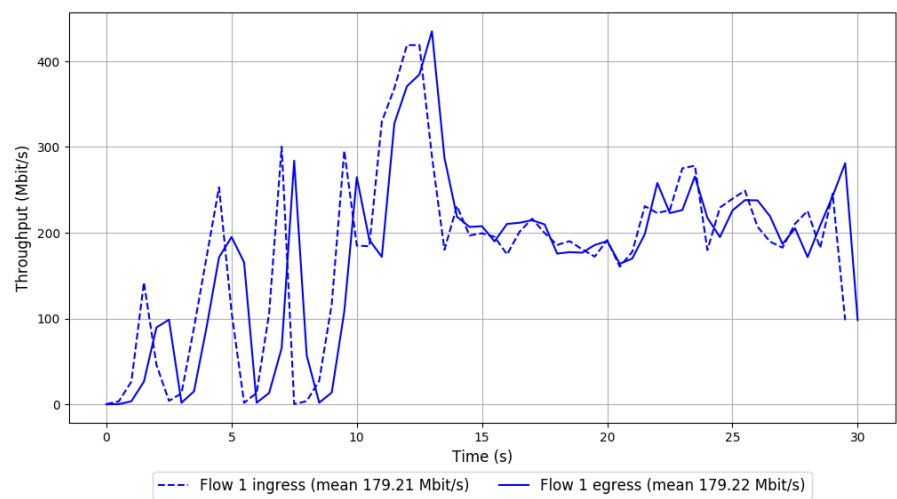
-- Flow 1:

Average throughput: 179.22 Mbit/s

95th percentile per-packet one-way delay: 122.899 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

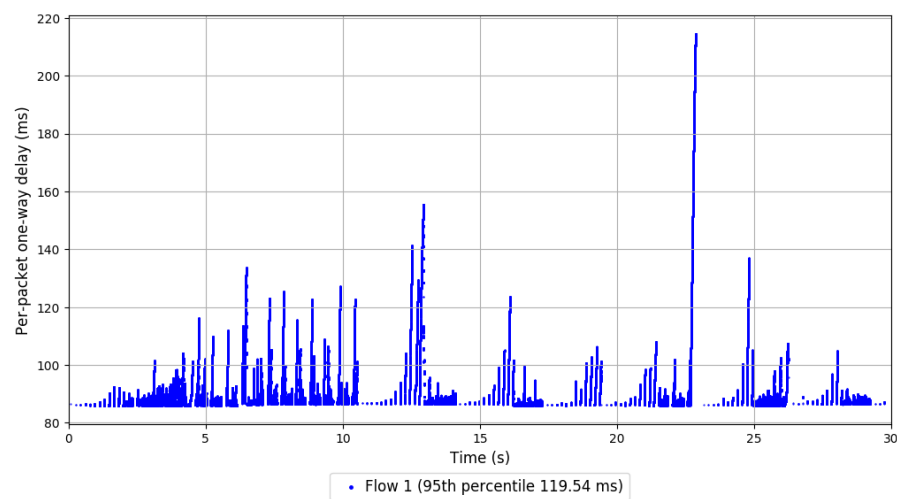
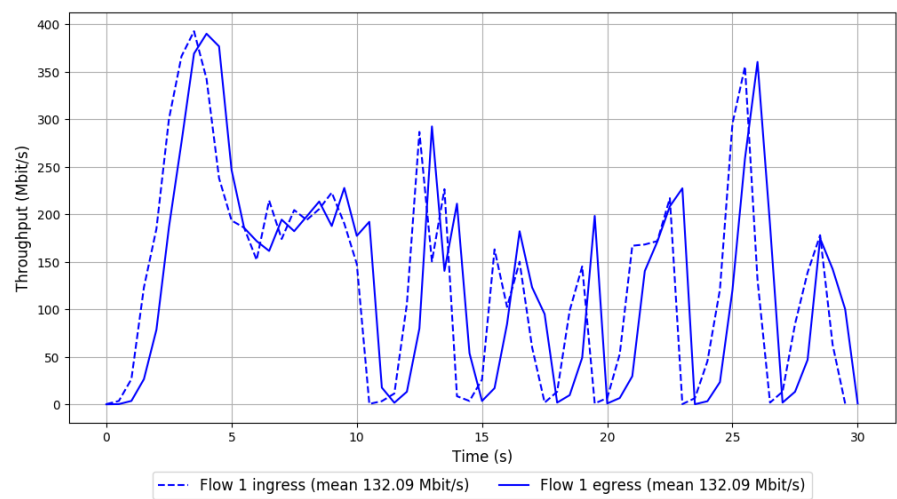


Run 9: Statistics of Verus

Start at: 2018-07-09 21:57:35
End at: 2018-07-09 21:58:05
Local clock offset: -0.005 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-10 00:24:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.09 Mbit/s
95th percentile per-packet one-way delay: 119.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.09 Mbit/s
95th percentile per-packet one-way delay: 119.541 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-09 22:19:58

End at: 2018-07-09 22:20:28

Local clock offset: 0.006 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-10 00:25:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.22 Mbit/s

95th percentile per-packet one-way delay: 145.644 ms

Loss rate: 0.01%

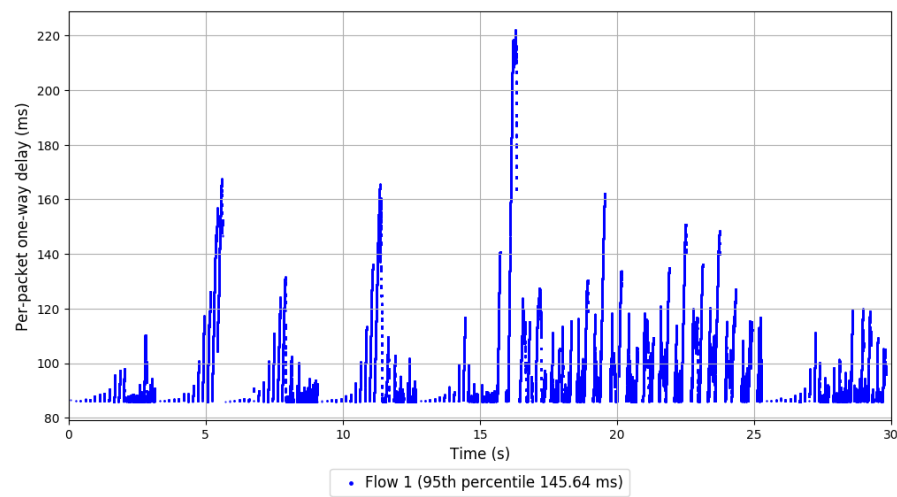
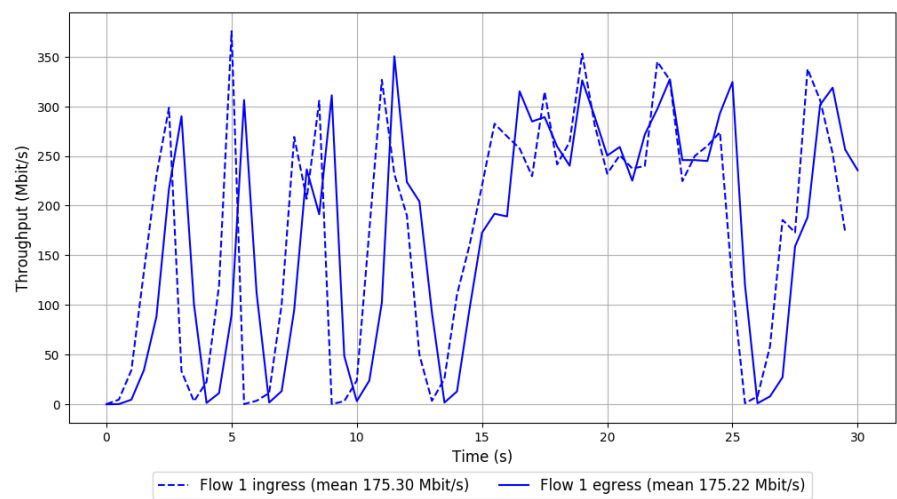
-- Flow 1:

Average throughput: 175.22 Mbit/s

95th percentile per-packet one-way delay: 145.644 ms

Loss rate: 0.01%

Run 10: Report of Verus — Data Link

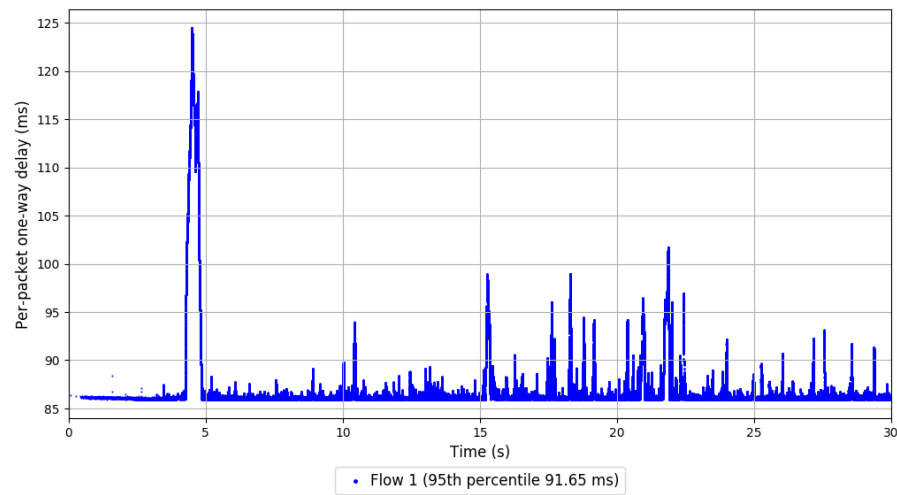
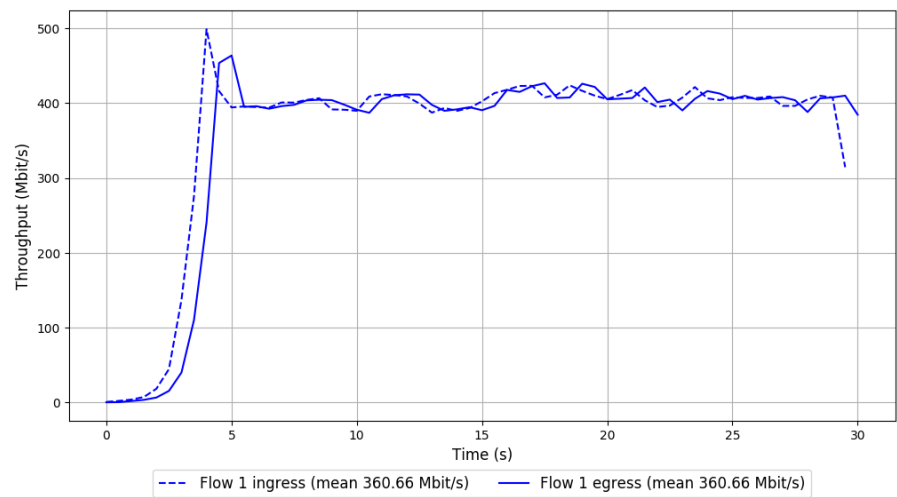


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-09 19:12:13
End at: 2018-07-09 19:12:43
Local clock offset: -0.143 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-10 00:29:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.66 Mbit/s
95th percentile per-packet one-way delay: 91.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.66 Mbit/s
95th percentile per-packet one-way delay: 91.651 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-09 19:34:47

End at: 2018-07-09 19:35:17

Local clock offset: -0.196 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-10 00:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.47 Mbit/s

95th percentile per-packet one-way delay: 212.554 ms

Loss rate: 0.46%

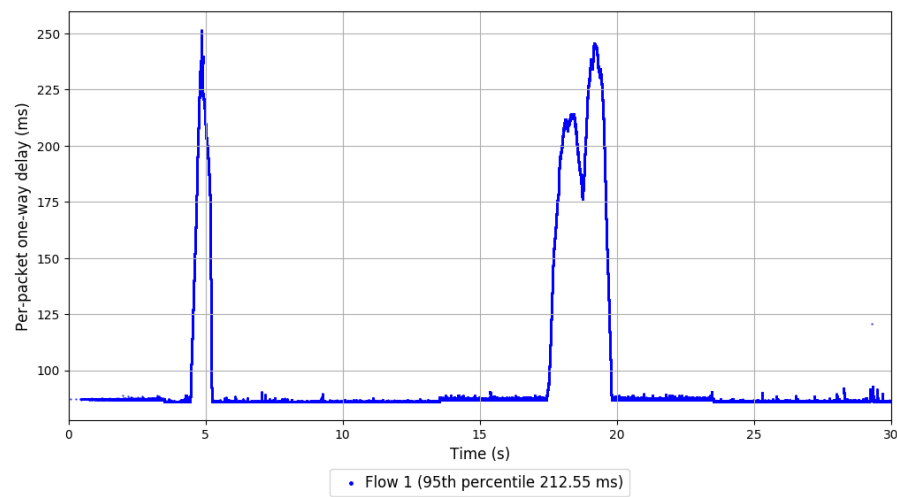
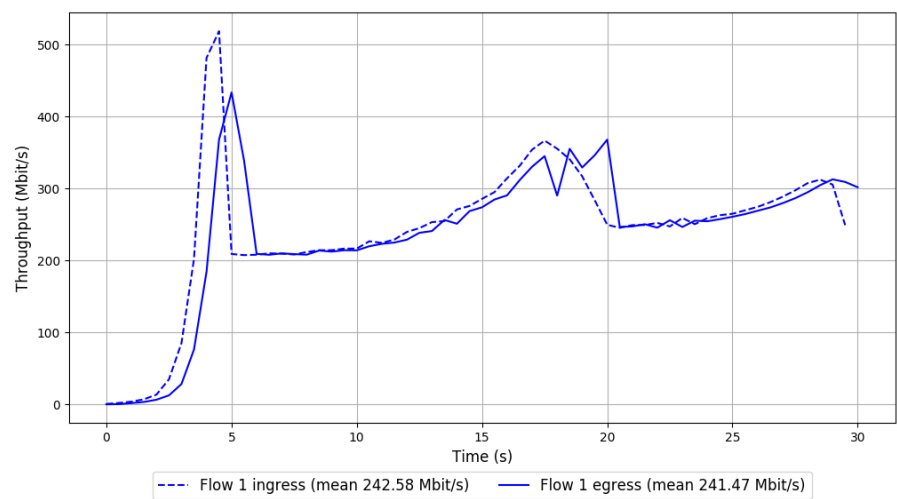
-- Flow 1:

Average throughput: 241.47 Mbit/s

95th percentile per-packet one-way delay: 212.554 ms

Loss rate: 0.46%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-09 19:57:16

End at: 2018-07-09 19:57:46

Local clock offset: -0.037 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-10 00:29:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.07 Mbit/s

95th percentile per-packet one-way delay: 90.624 ms

Loss rate: 0.00%

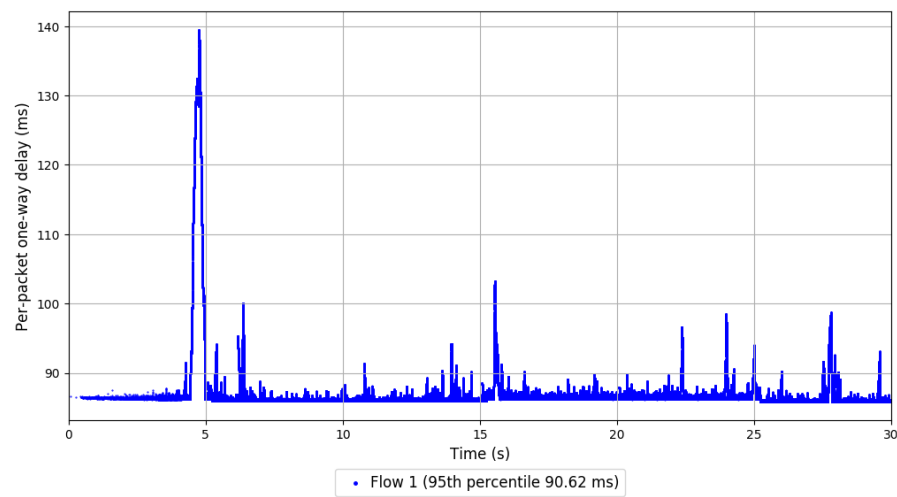
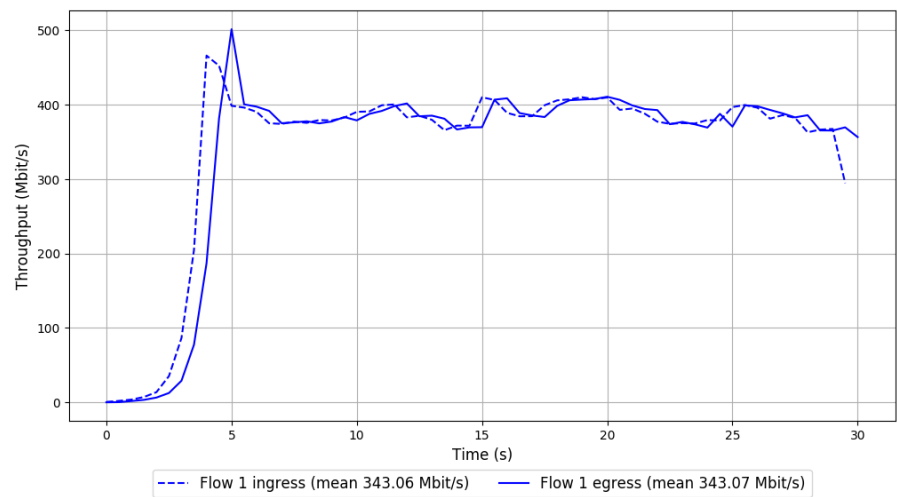
-- Flow 1:

Average throughput: 343.07 Mbit/s

95th percentile per-packet one-way delay: 90.624 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-09 20:20:00

End at: 2018-07-09 20:20:30

Local clock offset: -0.04 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-10 00:29:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.87 Mbit/s

95th percentile per-packet one-way delay: 97.694 ms

Loss rate: 0.08%

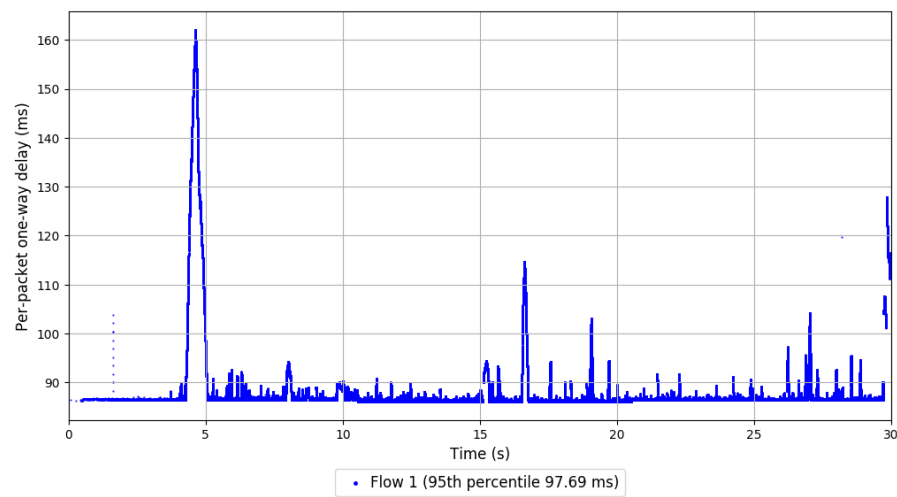
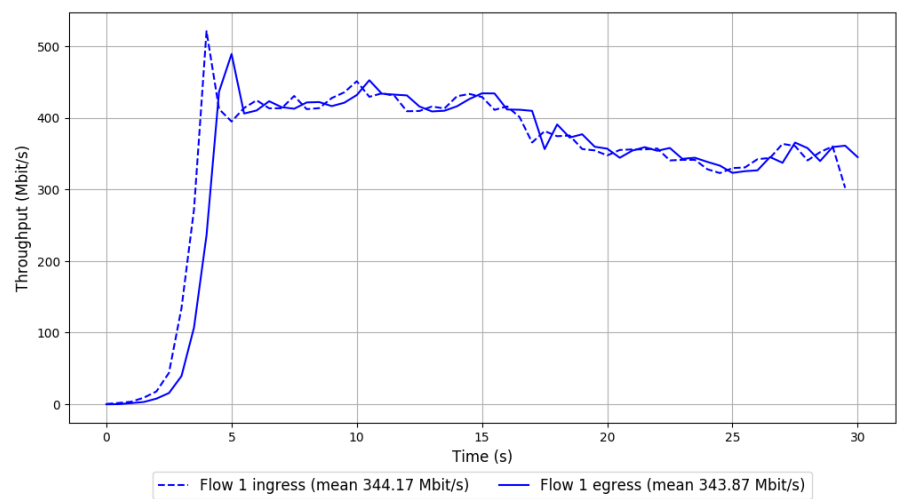
-- Flow 1:

Average throughput: 343.87 Mbit/s

95th percentile per-packet one-way delay: 97.694 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-09 20:42:28

End at: 2018-07-09 20:42:58

Local clock offset: -0.087 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-10 00:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.85 Mbit/s

95th percentile per-packet one-way delay: 88.973 ms

Loss rate: 0.01%

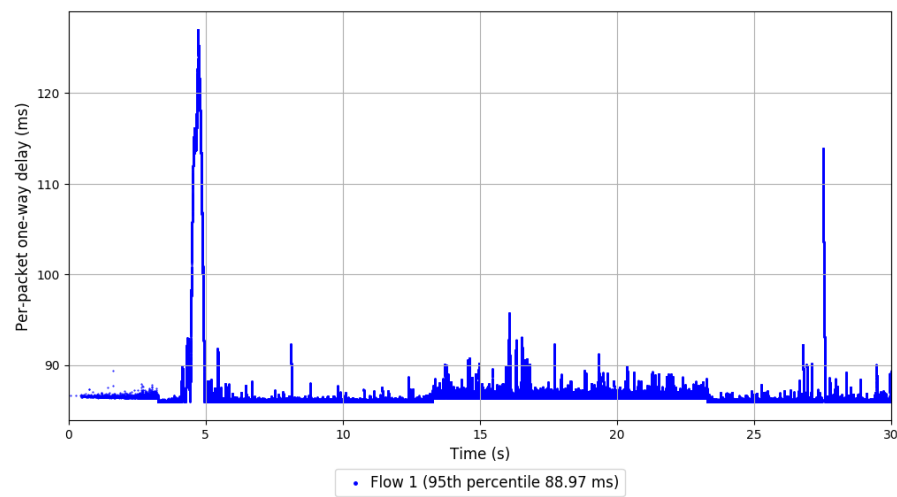
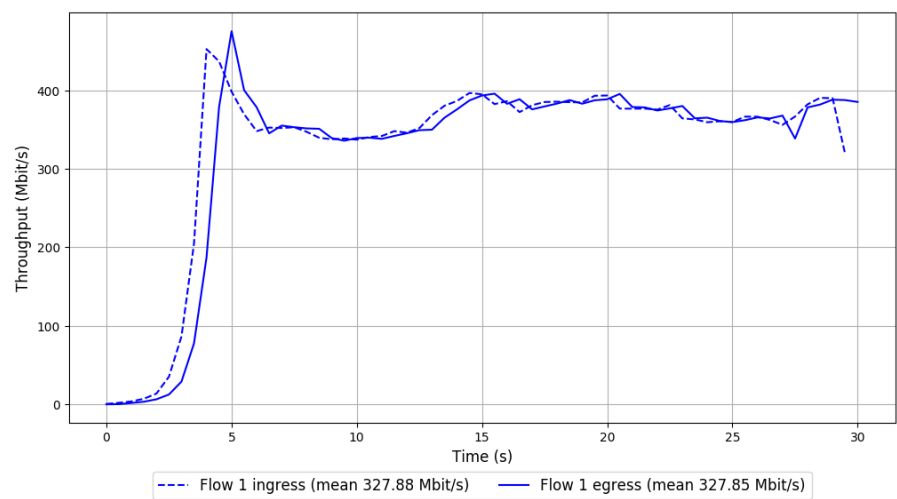
-- Flow 1:

Average throughput: 327.85 Mbit/s

95th percentile per-packet one-way delay: 88.973 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-09 21:04:57

End at: 2018-07-09 21:05:27

Local clock offset: 0.067 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-10 00:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.61 Mbit/s

95th percentile per-packet one-way delay: 89.398 ms

Loss rate: 0.00%

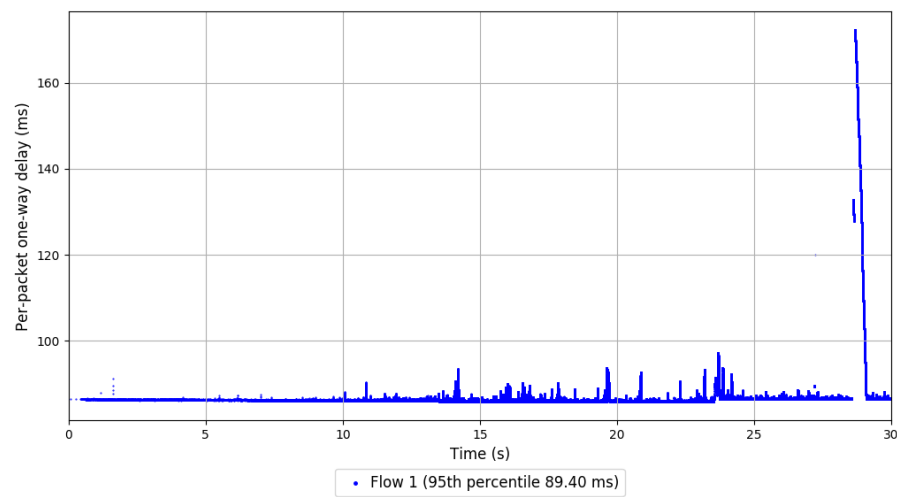
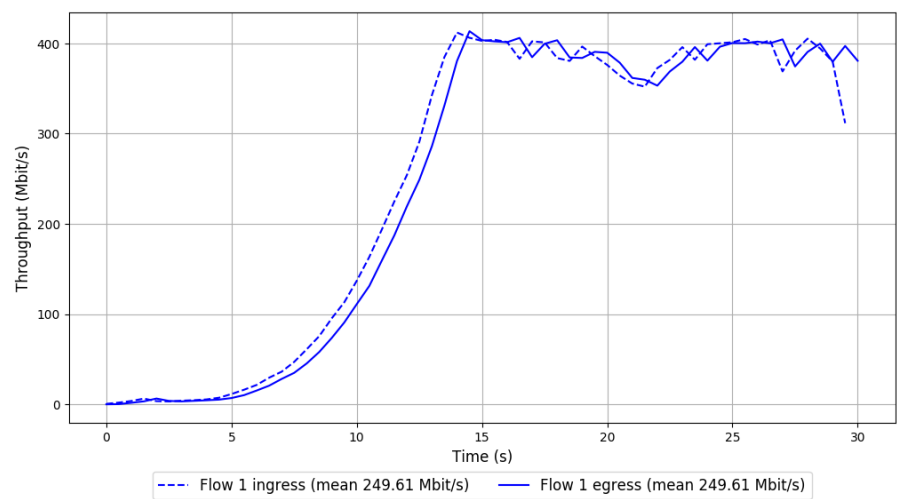
-- Flow 1:

Average throughput: 249.61 Mbit/s

95th percentile per-packet one-way delay: 89.398 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-09 21:27:03

End at: 2018-07-09 21:27:33

Local clock offset: 0.049 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-10 00:30:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.28 Mbit/s

95th percentile per-packet one-way delay: 128.554 ms

Loss rate: 0.00%

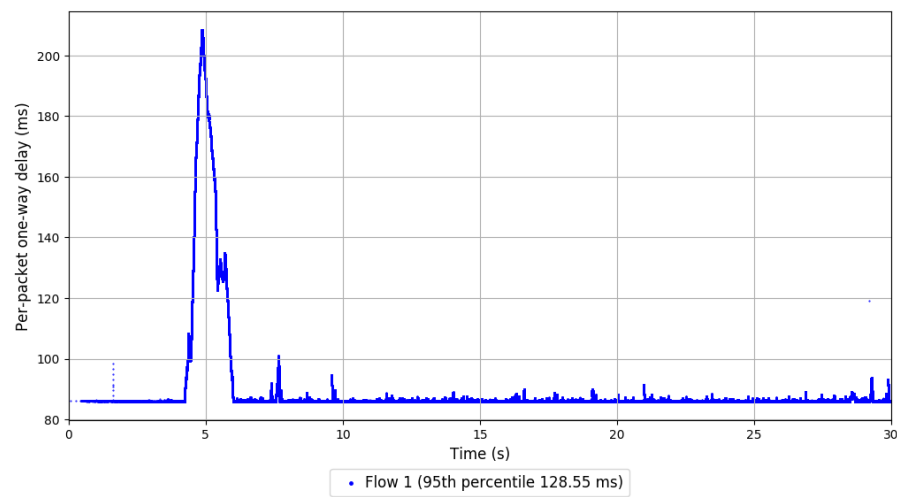
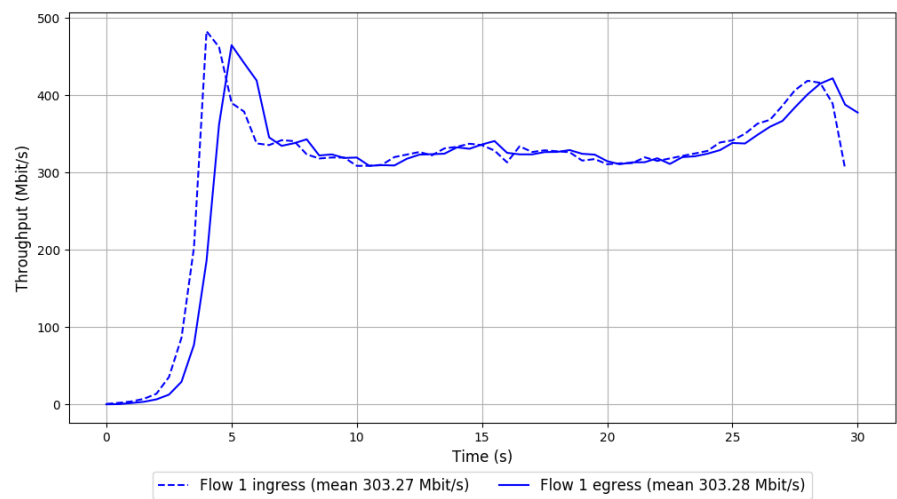
-- Flow 1:

Average throughput: 303.28 Mbit/s

95th percentile per-packet one-way delay: 128.554 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-09 21:49:37

End at: 2018-07-09 21:50:07

Local clock offset: -0.099 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-10 00:30:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.09 Mbit/s

95th percentile per-packet one-way delay: 97.130 ms

Loss rate: 0.00%

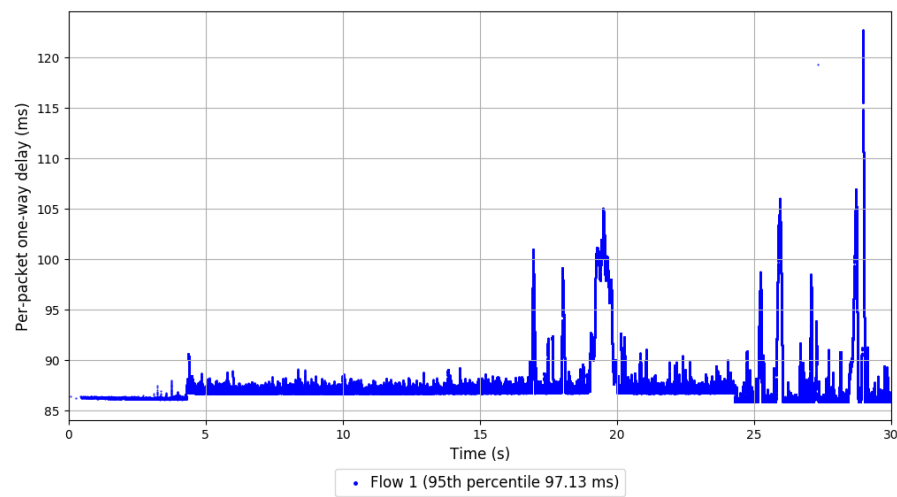
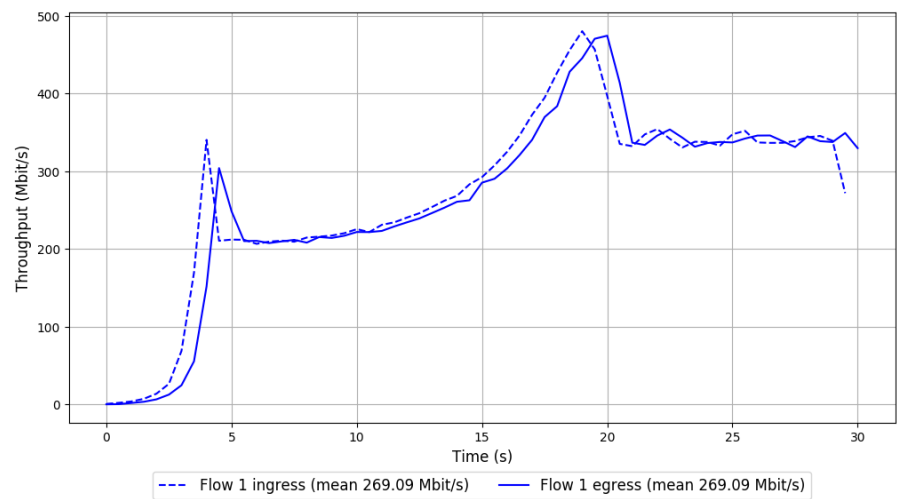
-- Flow 1:

Average throughput: 269.09 Mbit/s

95th percentile per-packet one-way delay: 97.130 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-09 22:12:04

End at: 2018-07-09 22:12:34

Local clock offset: -0.139 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-10 00:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.36 Mbit/s

95th percentile per-packet one-way delay: 88.718 ms

Loss rate: 0.00%

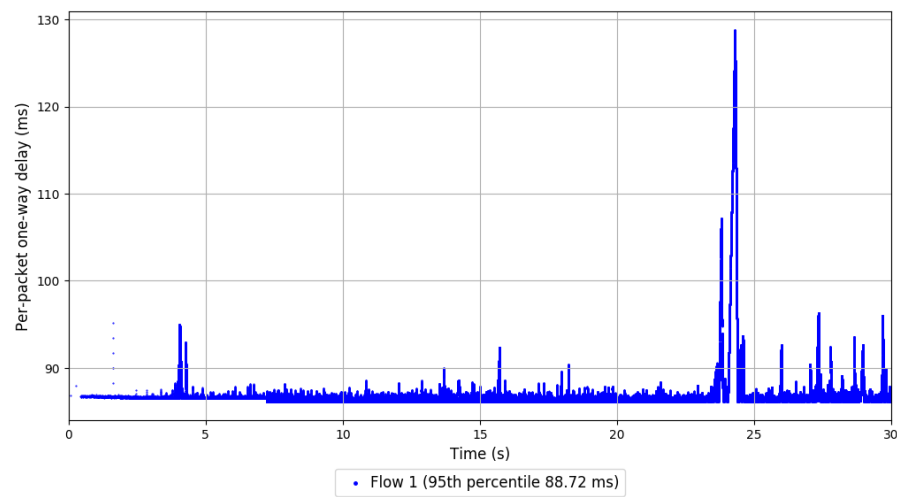
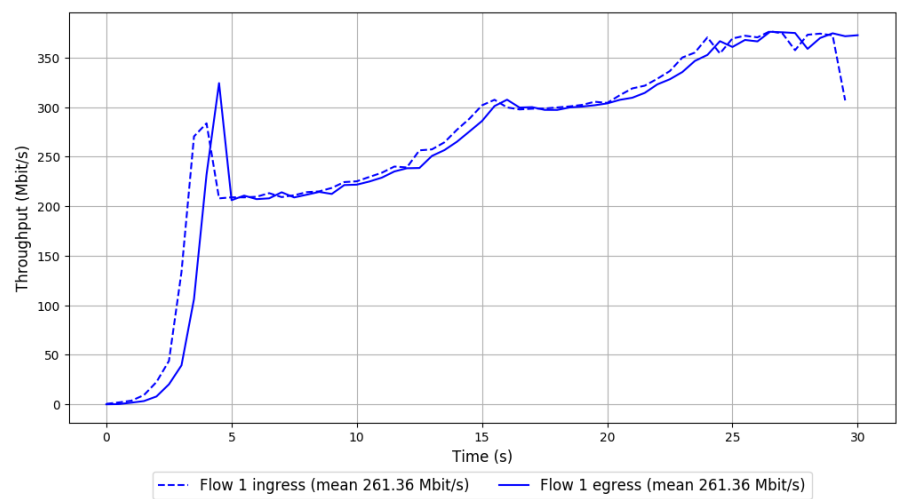
-- Flow 1:

Average throughput: 261.36 Mbit/s

95th percentile per-packet one-way delay: 88.718 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-09 22:34:13

End at: 2018-07-09 22:34:43

Local clock offset: -0.209 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.80 Mbit/s

95th percentile per-packet one-way delay: 195.541 ms

Loss rate: 0.04%

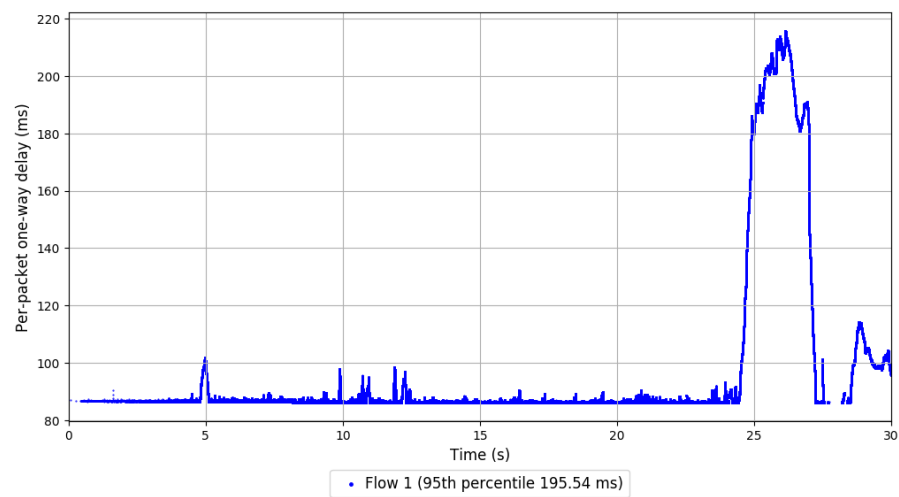
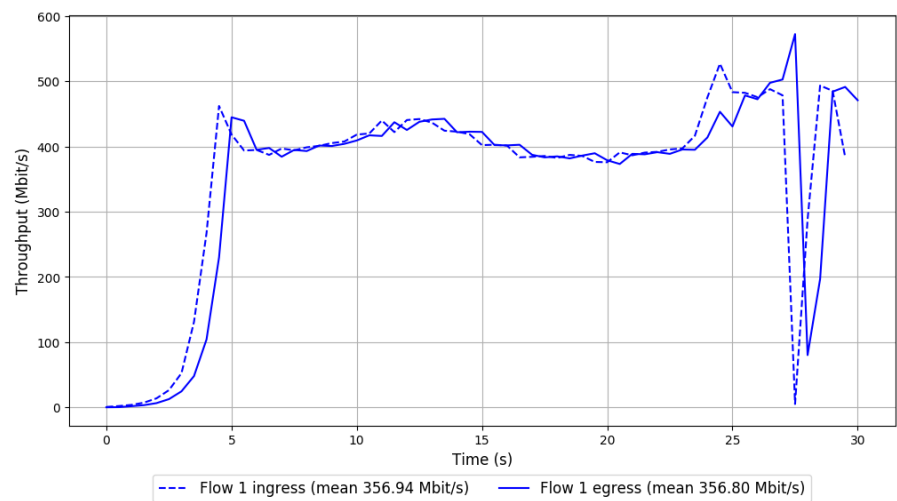
-- Flow 1:

Average throughput: 356.80 Mbit/s

95th percentile per-packet one-way delay: 195.541 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-09 19:15:13

End at: 2018-07-09 19:15:43

Local clock offset: -0.026 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 86.590 ms

Loss rate: 0.00%

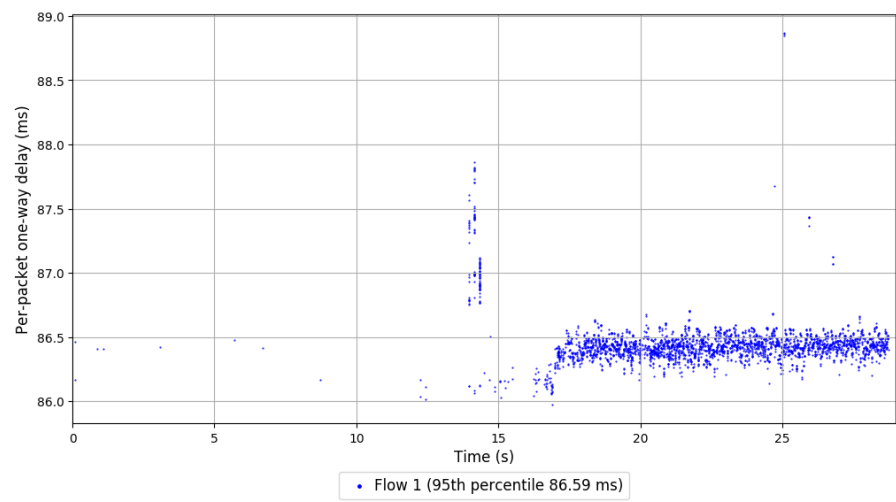
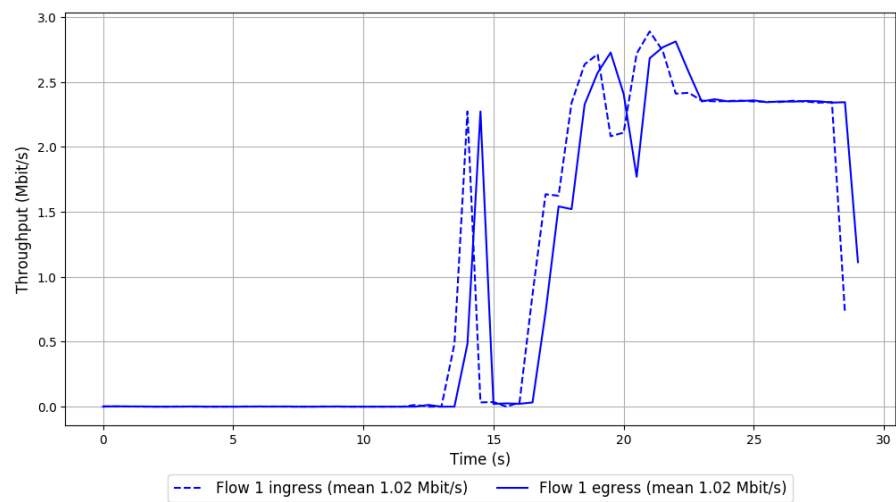
-- Flow 1:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 86.590 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

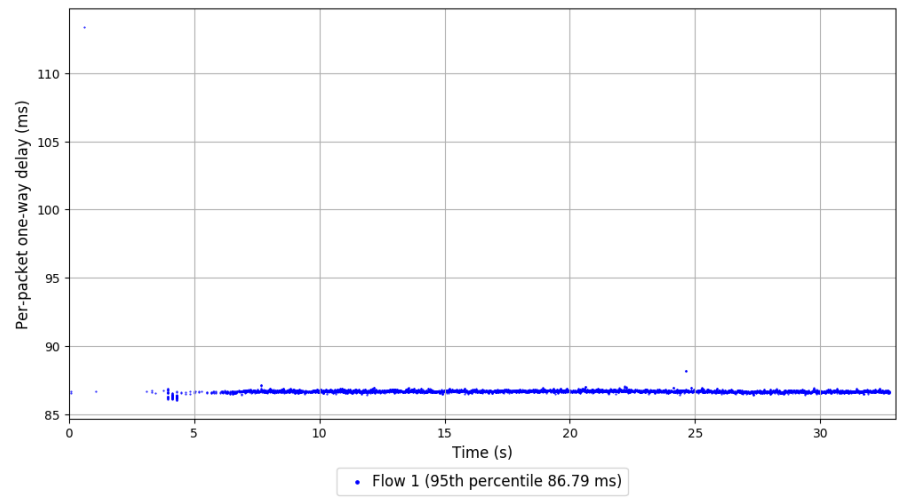
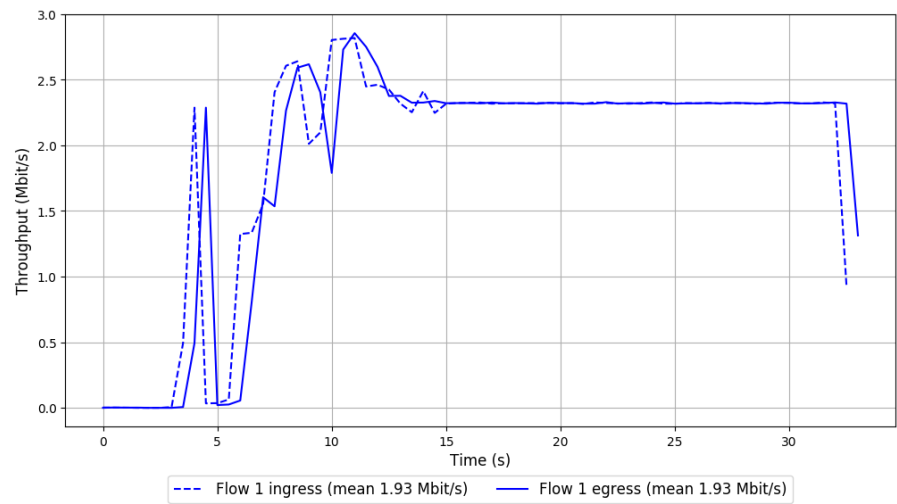


Run 2: Statistics of WebRTC media

Start at: 2018-07-09 19:37:39
End at: 2018-07-09 19:38:09
Local clock offset: -0.037 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-10 00:30:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.792 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-09 20:00:15

End at: 2018-07-09 20:00:45

Local clock offset: 0.021 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.414 ms

Loss rate: 0.00%

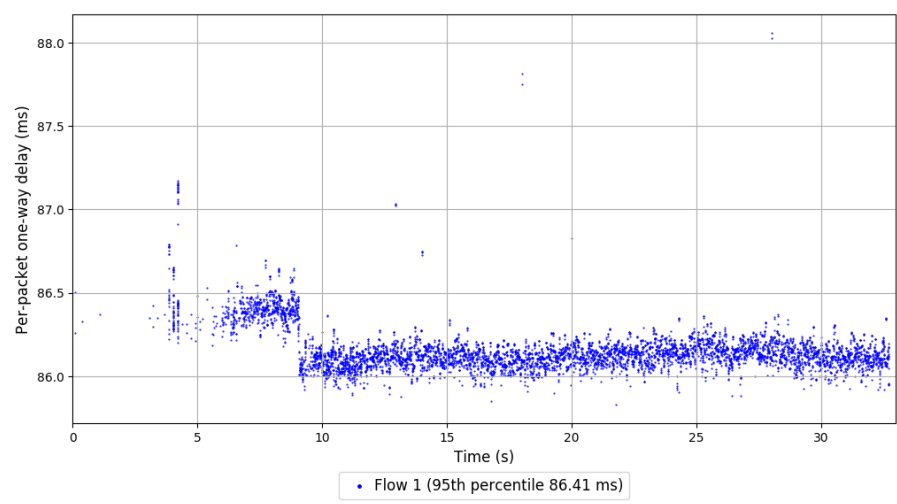
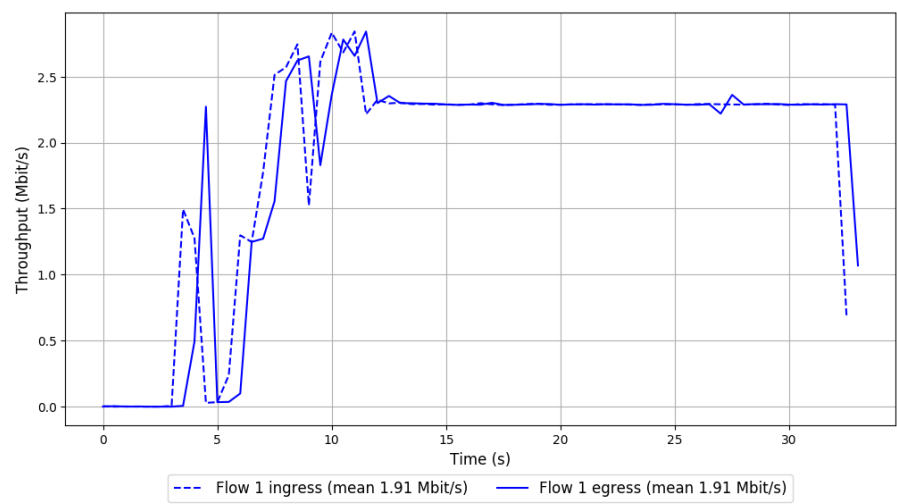
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.414 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-09 20:22:57

End at: 2018-07-09 20:23:27

Local clock offset: -0.195 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.574 ms

Loss rate: 0.00%

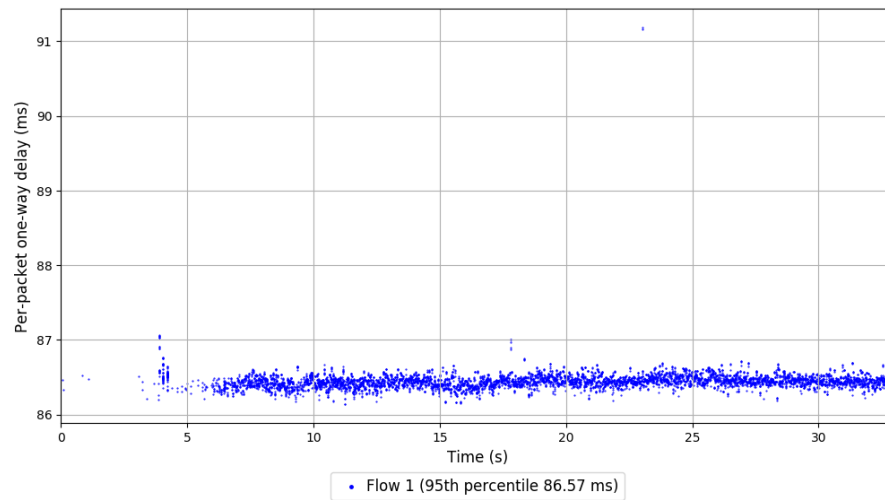
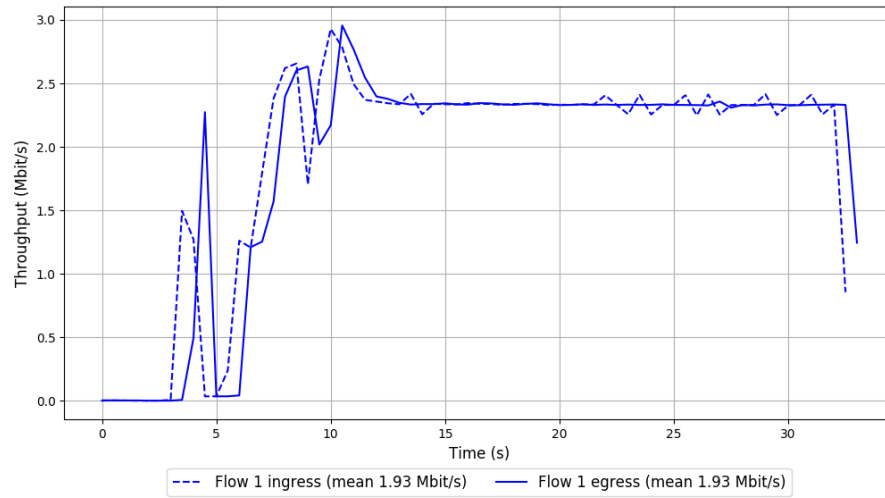
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.574 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-09 20:45:24

End at: 2018-07-09 20:45:54

Local clock offset: 0.082 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.490 ms

Loss rate: 0.00%

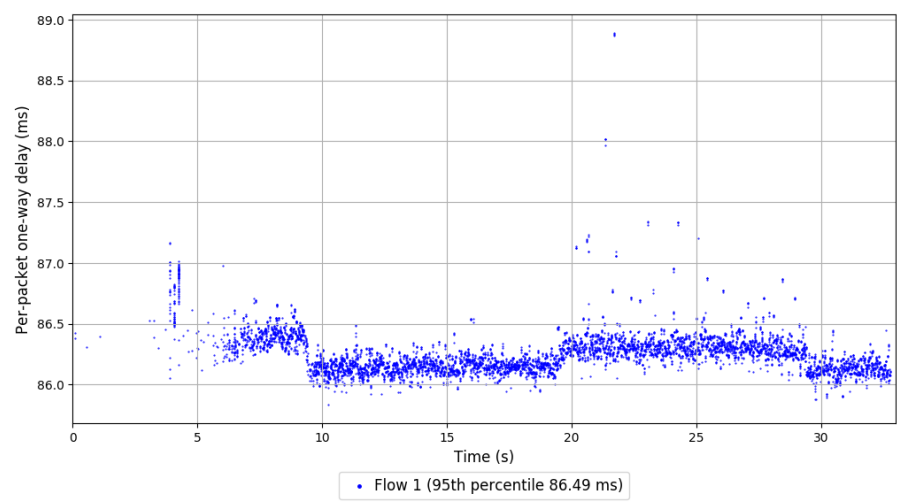
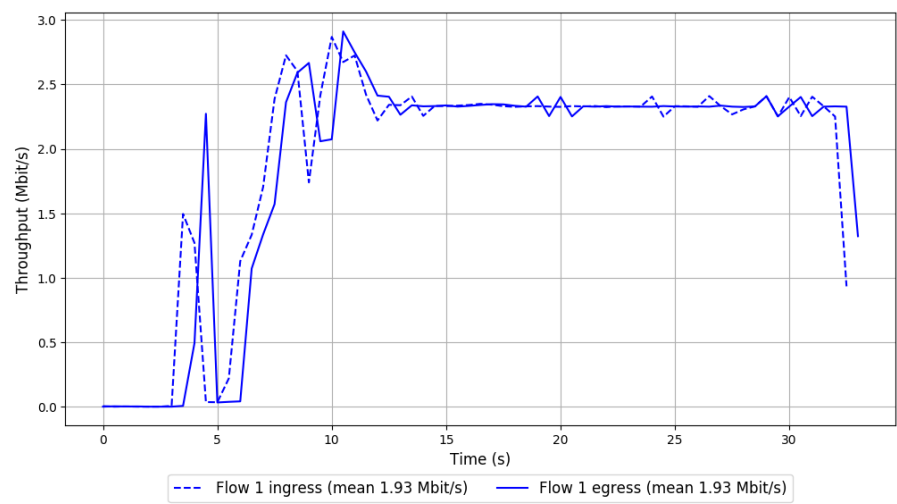
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.490 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-09 21:07:49

End at: 2018-07-09 21:08:19

Local clock offset: -0.195 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.576 ms

Loss rate: 0.00%

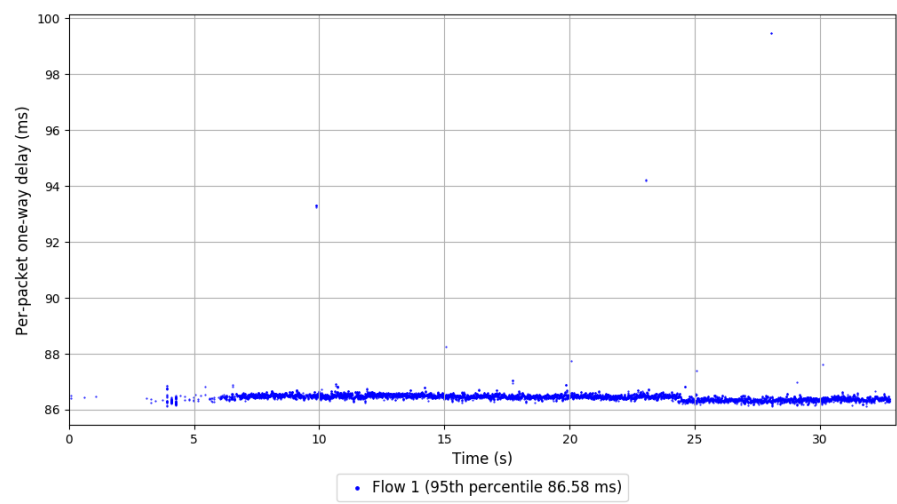
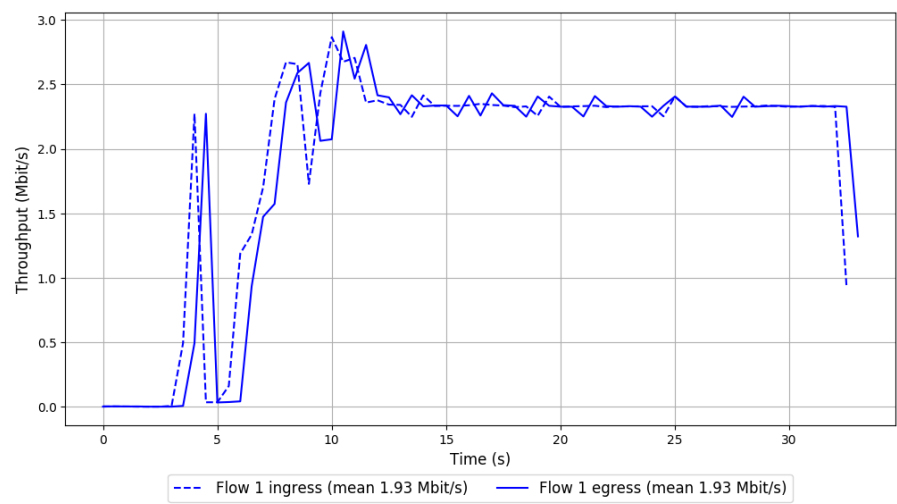
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.576 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-09 21:29:58

End at: 2018-07-09 21:30:28

Local clock offset: 0.103 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

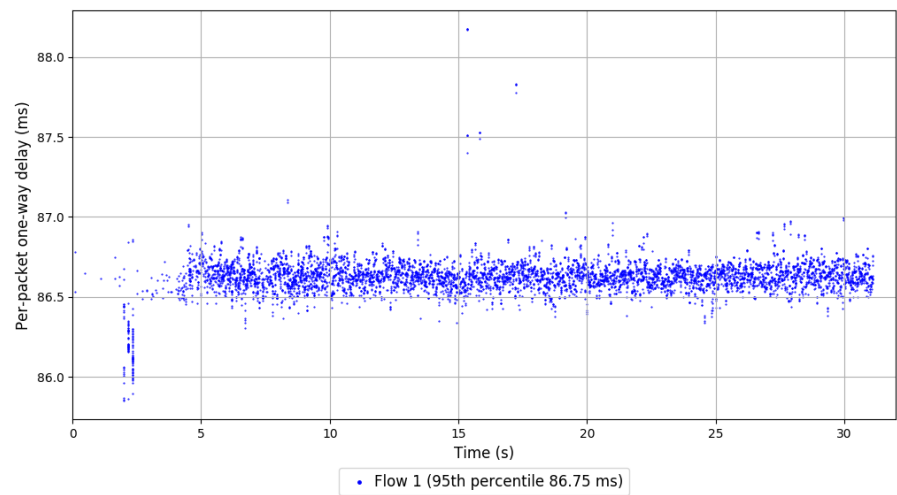
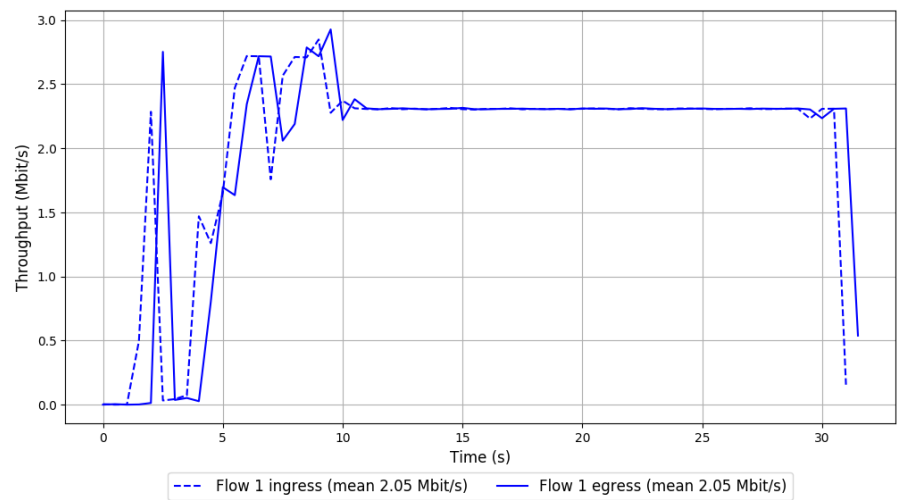
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

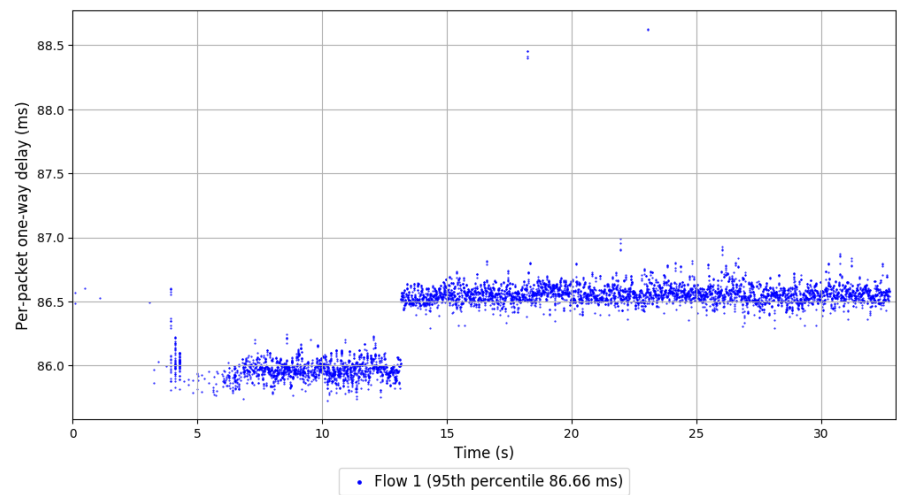
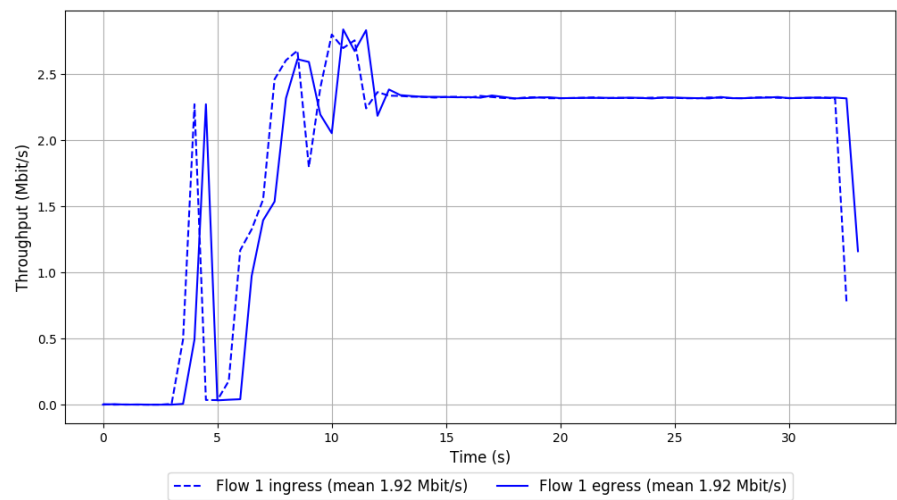


Run 8: Statistics of WebRTC media

Start at: 2018-07-09 21:52:31
End at: 2018-07-09 21:53:01
Local clock offset: 0.105 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-10 00:30:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-09 22:14:55

End at: 2018-07-09 22:15:25

Local clock offset: -0.247 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.656 ms

Loss rate: 0.00%

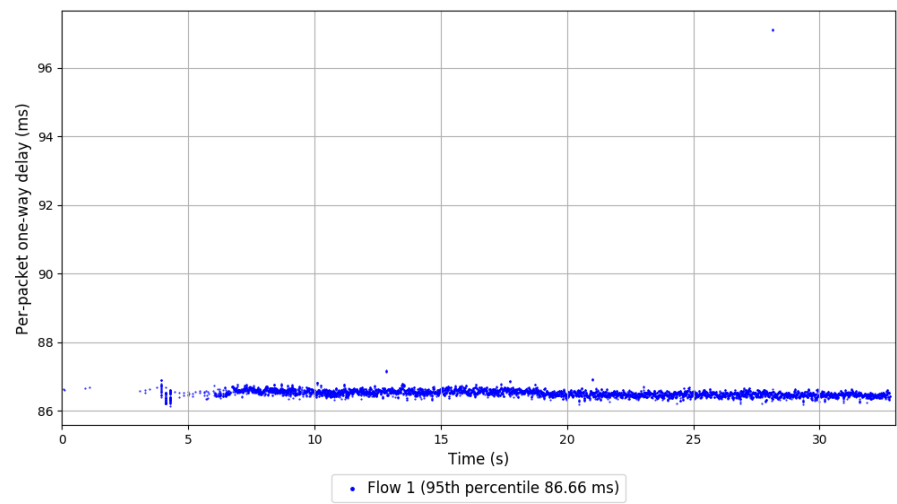
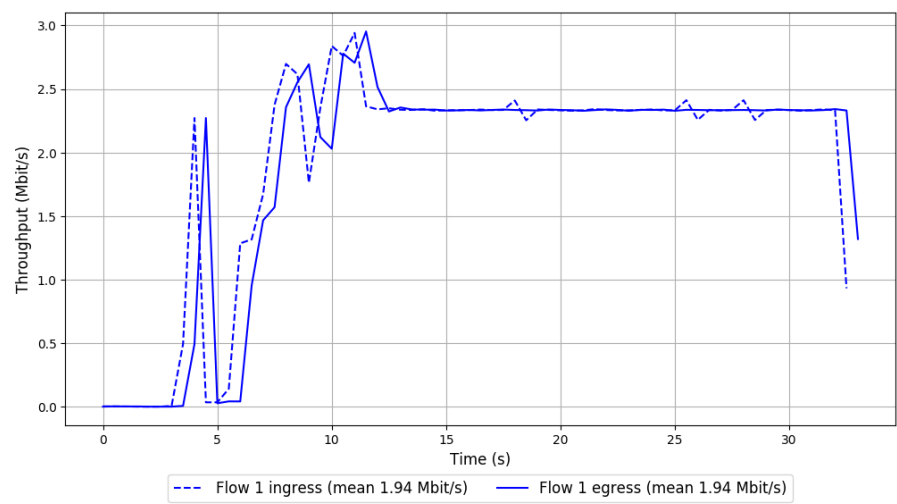
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.656 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-09 22:37:10

End at: 2018-07-09 22:37:40

Local clock offset: -0.07 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-10 00:30:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.780 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

