

Pantheon Report

Generated at 2018-07-05 18:22:37 (UTC).

Data path: GCE London 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.

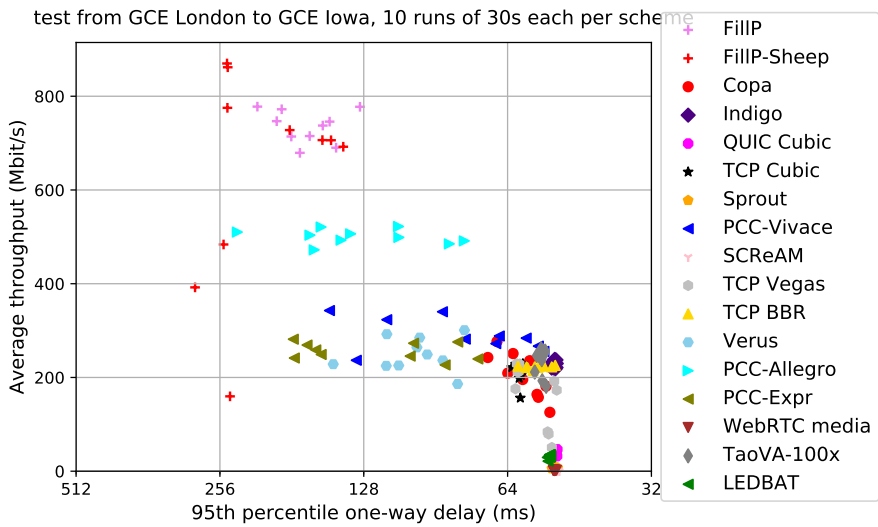
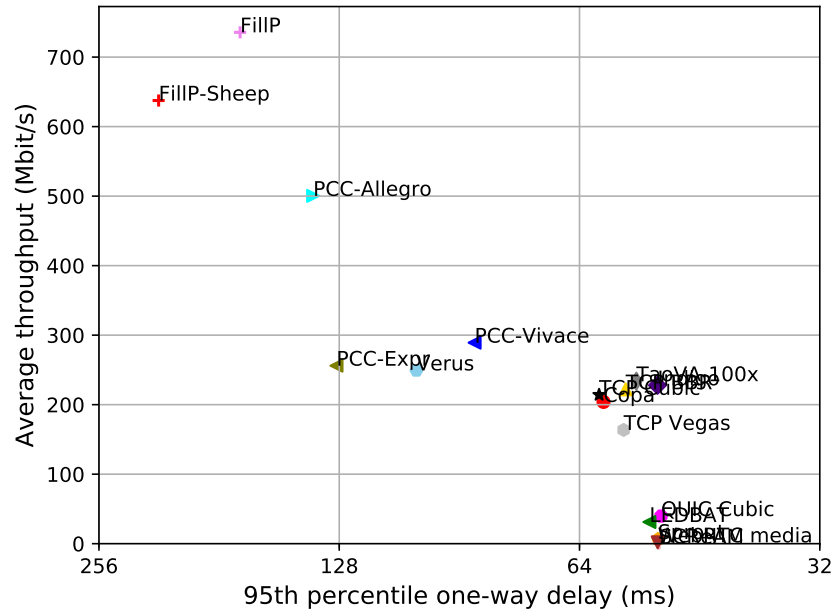
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

test from GCE London to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	222.07	56.02	0.00
Copa	10	203.95	59.72	0.01
TCP Cubic	10	214.13	60.49	0.02
FillP	10	735.61	170.37	4.66
FillP-Sheep	10	637.51	215.51	8.95
Indigo	10	227.82	51.11	0.00
LEDBAT	10	31.18	52.31	0.00
PCC-Allegro	10	500.36	137.99	1.15
PCC-Expr	10	256.04	129.03	0.50
QUIC Cubic	5	39.75	50.59	0.00
SCReAM	10	0.22	50.82	0.00
Sprout	10	6.72	51.04	0.00
TaoVA-100x	10	233.78	54.32	0.01
TCP Vegas	10	163.64	56.35	0.00
Verus	10	249.27	102.45	1.18
PCC-Vivace	10	289.17	86.63	0.12
WebRTC media	10	1.89	51.08	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-05 13:03:10

End at: 2018-07-05 13:03:40

Local clock offset: 0.244 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-05 16:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.85 Mbit/s

95th percentile per-packet one-way delay: 50.867 ms

Loss rate: 0.00%

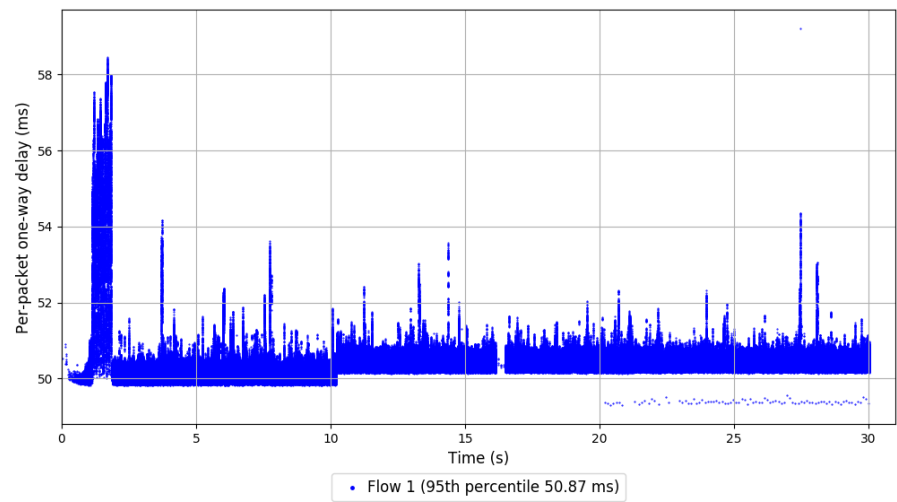
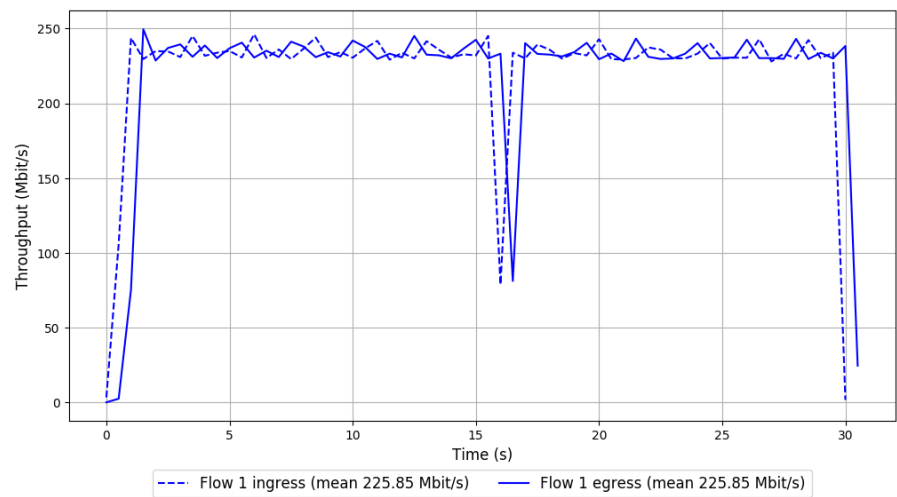
-- Flow 1:

Average throughput: 225.85 Mbit/s

95th percentile per-packet one-way delay: 50.867 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

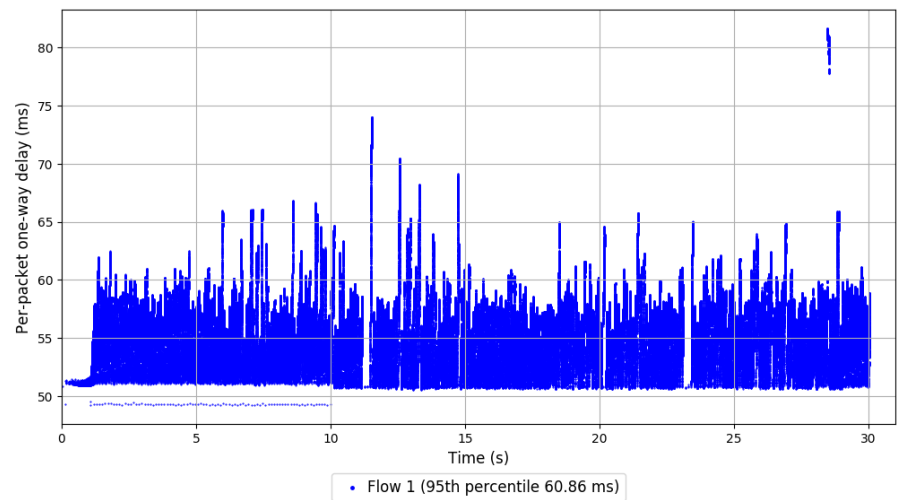
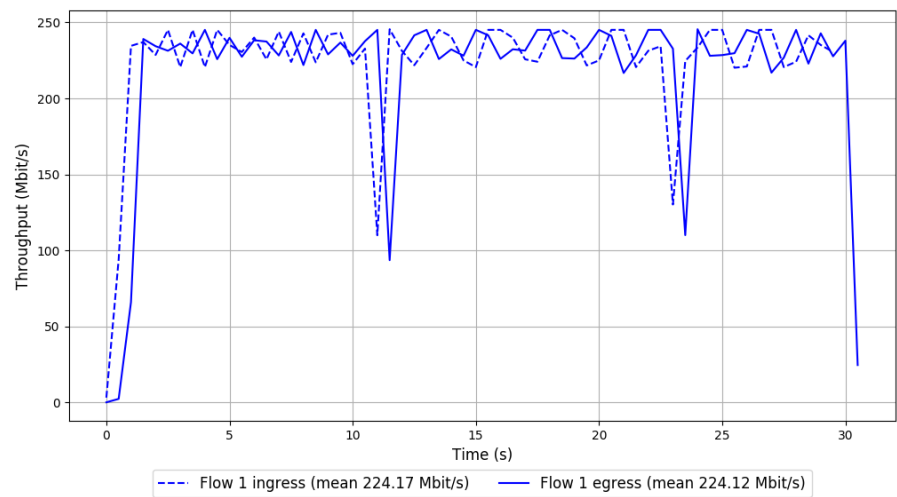


Run 2: Statistics of TCP BBR

Start at: 2018-07-05 13:25:20
End at: 2018-07-05 13:25:50
Local clock offset: -0.464 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-05 16:45:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.12 Mbit/s
95th percentile per-packet one-way delay: 60.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.12 Mbit/s
95th percentile per-packet one-way delay: 60.856 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-05 13:47:10

End at: 2018-07-05 13:47:40

Local clock offset: 0.226 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-05 16:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 56.175 ms

Loss rate: 0.00%

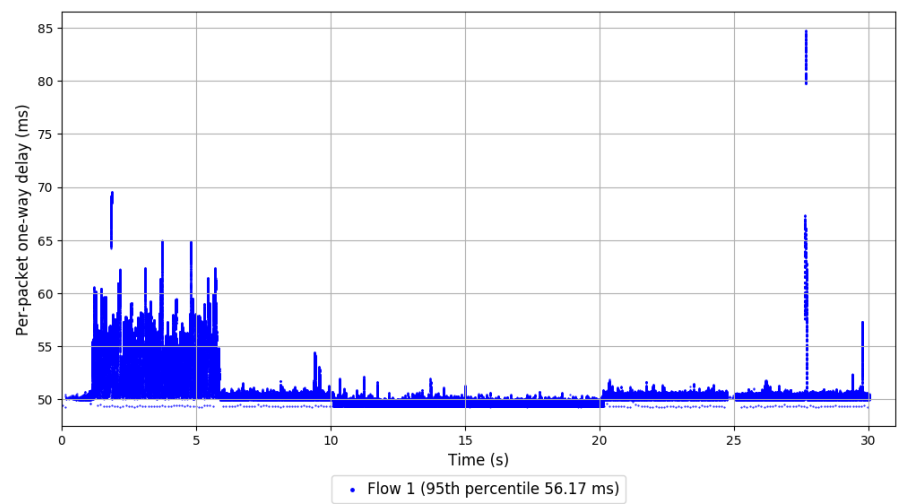
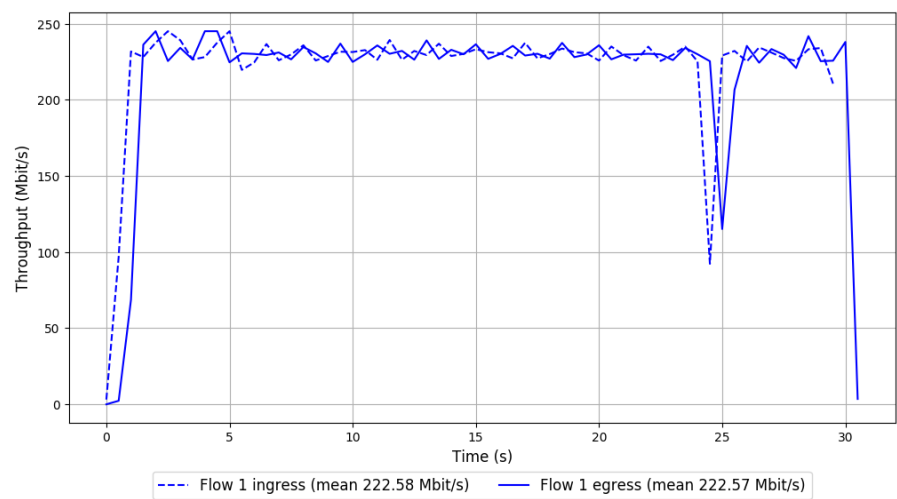
-- Flow 1:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 56.175 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

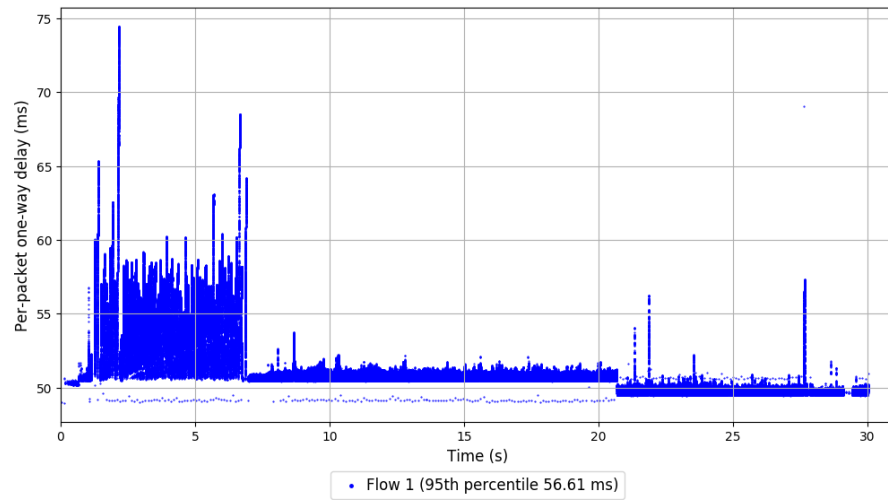
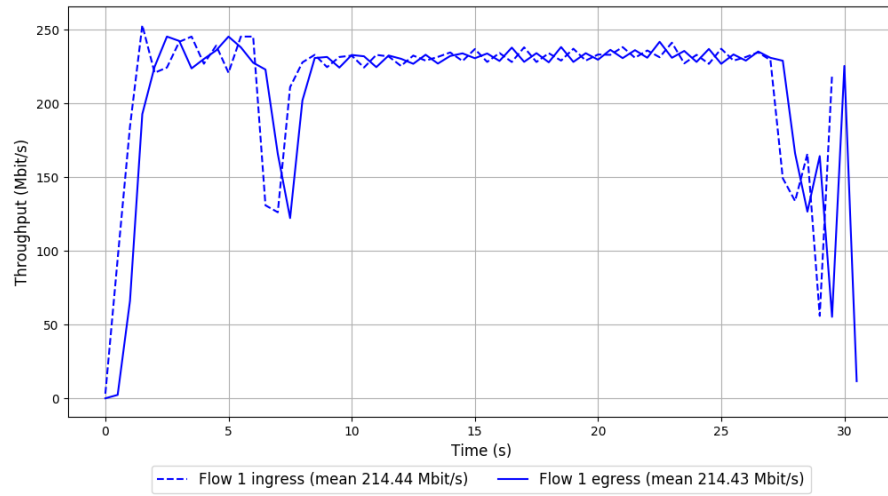


Run 4: Statistics of TCP BBR

Start at: 2018-07-05 14:09:30
End at: 2018-07-05 14:10:00
Local clock offset: -0.132 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-05 16:45:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.43 Mbit/s
95th percentile per-packet one-way delay: 56.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.43 Mbit/s
95th percentile per-packet one-way delay: 56.610 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

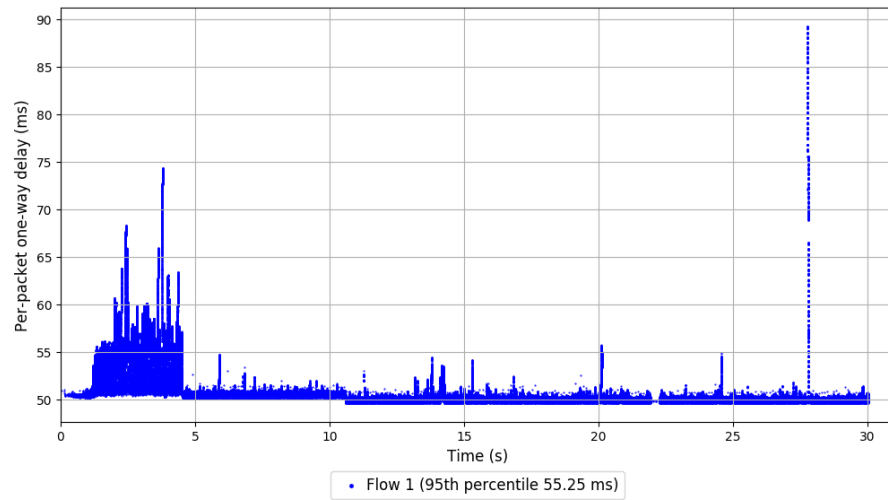
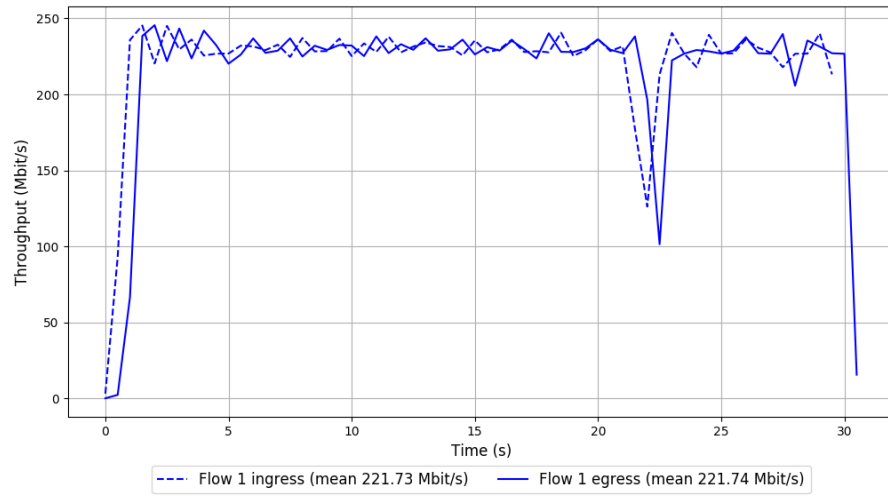


Run 5: Statistics of TCP BBR

Start at: 2018-07-05 14:31:30
End at: 2018-07-05 14:32:00
Local clock offset: -0.113 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-05 16:45:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.74 Mbit/s
95th percentile per-packet one-way delay: 55.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.74 Mbit/s
95th percentile per-packet one-way delay: 55.249 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

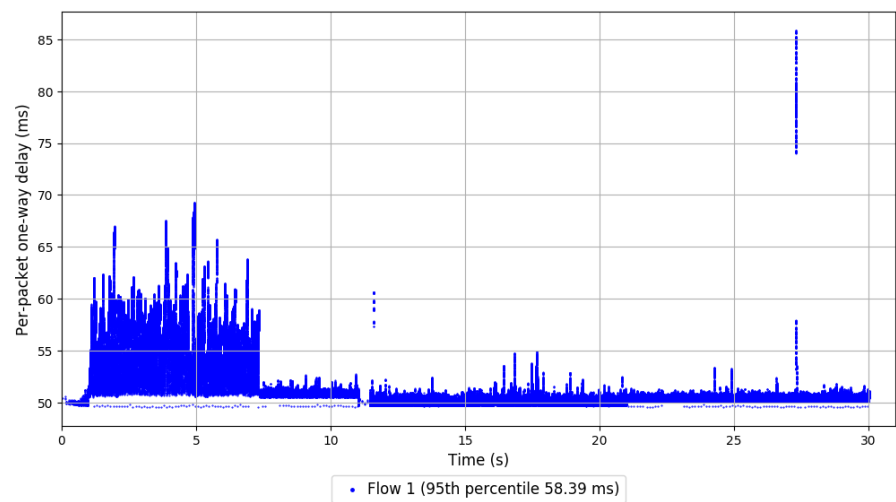
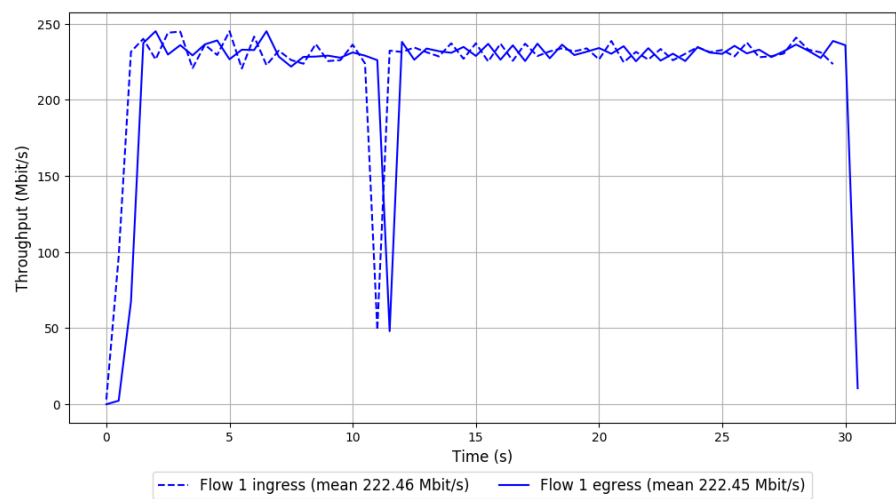


Run 6: Statistics of TCP BBR

Start at: 2018-07-05 14:53:09
End at: 2018-07-05 14:53:39
Local clock offset: -0.056 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-05 16:45:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.45 Mbit/s
95th percentile per-packet one-way delay: 58.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.45 Mbit/s
95th percentile per-packet one-way delay: 58.389 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-05 15:14:59

End at: 2018-07-05 15:15:29

Local clock offset: -0.463 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 16:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 58.141 ms

Loss rate: 0.00%

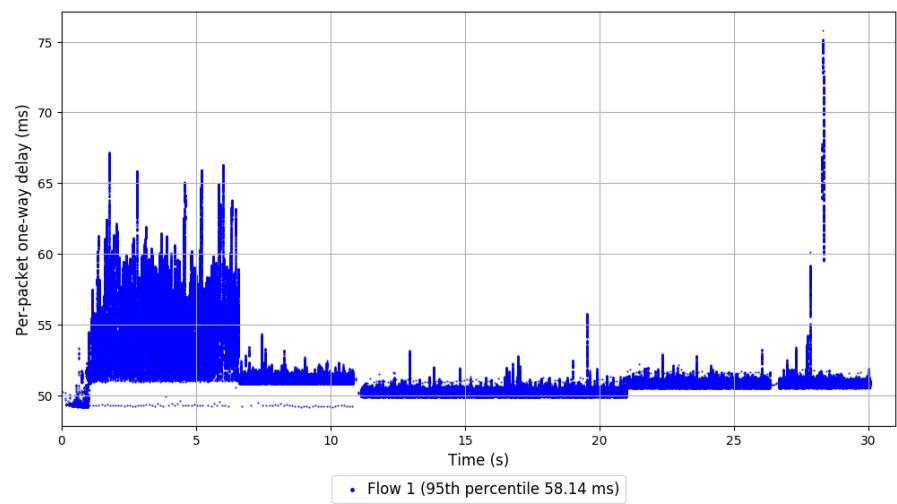
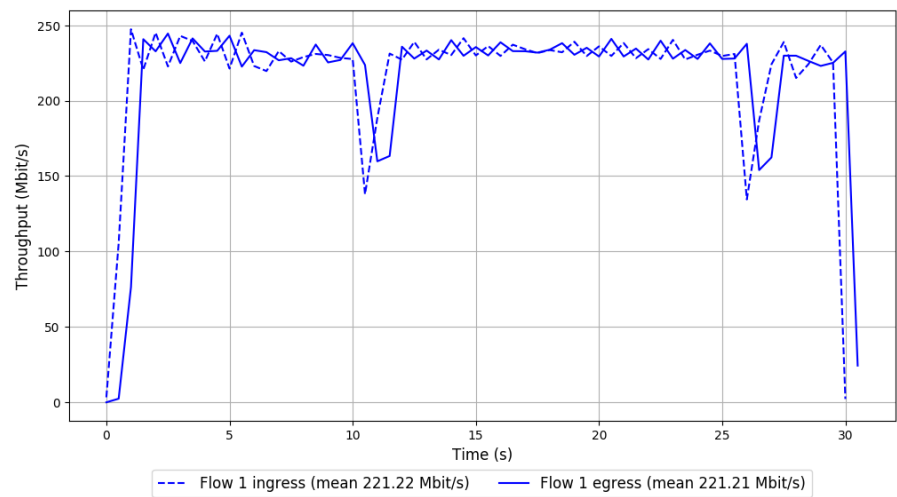
-- Flow 1:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 58.141 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-05 15:37:02

End at: 2018-07-05 15:37:32

Local clock offset: -0.092 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-05 16:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 51.745 ms

Loss rate: 0.00%

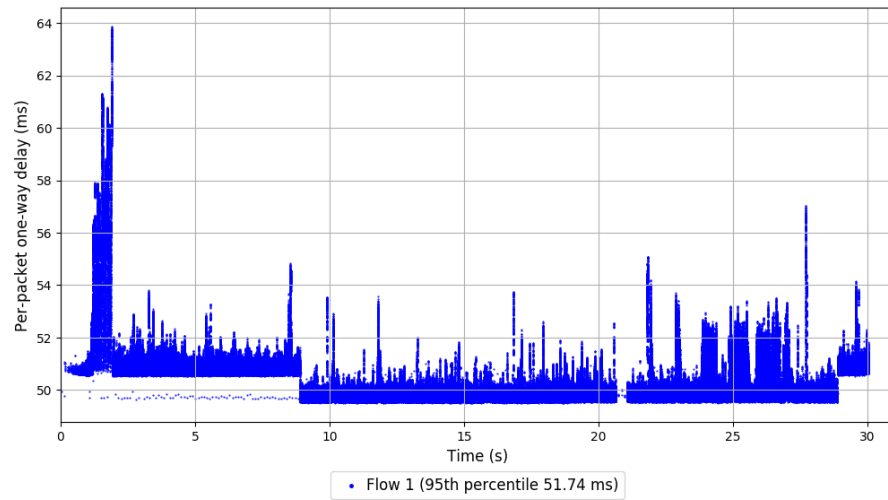
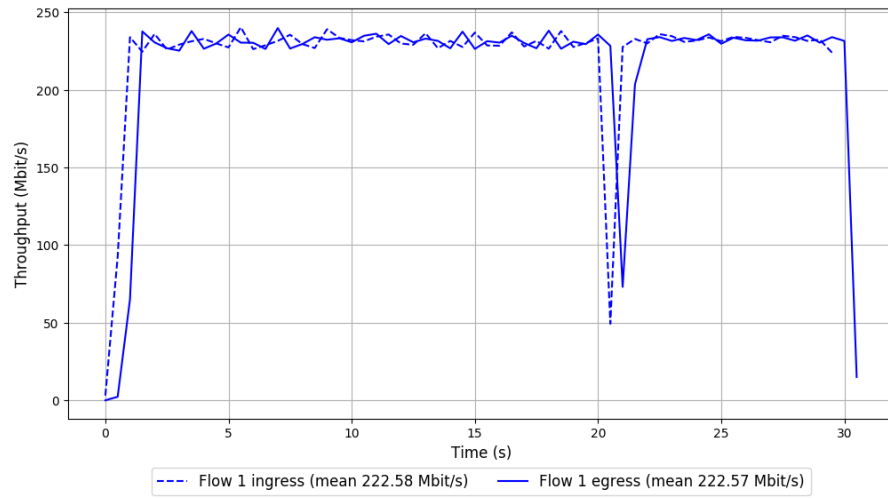
-- Flow 1:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 51.745 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-05 15:58:58

End at: 2018-07-05 15:59:28

Local clock offset: -0.106 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-05 16:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.00 Mbit/s

95th percentile per-packet one-way delay: 53.707 ms

Loss rate: 0.00%

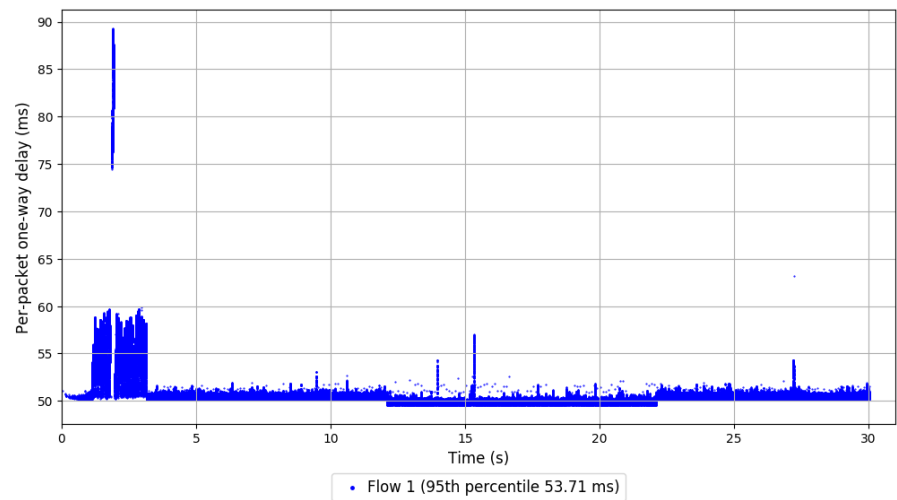
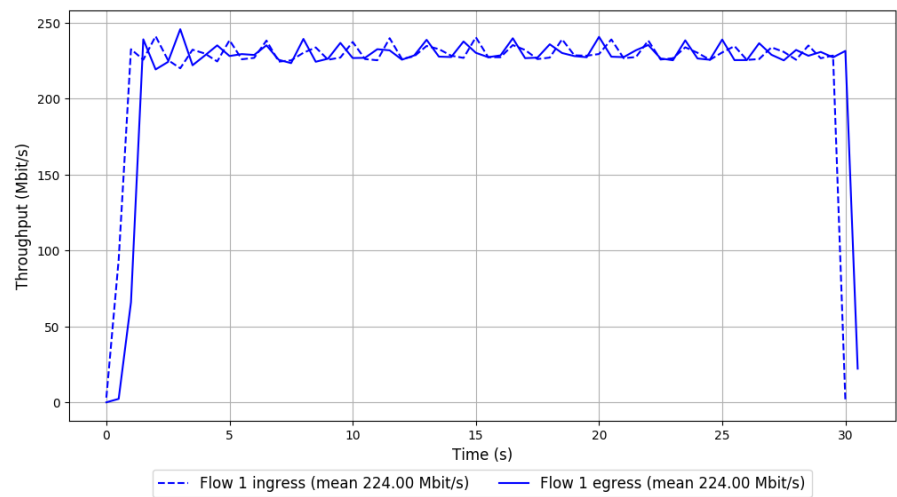
-- Flow 1:

Average throughput: 224.00 Mbit/s

95th percentile per-packet one-way delay: 53.707 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-05 16:20:56

End at: 2018-07-05 16:21:26

Local clock offset: 0.305 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-05 16:47:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.81 Mbit/s

95th percentile per-packet one-way delay: 58.411 ms

Loss rate: 0.00%

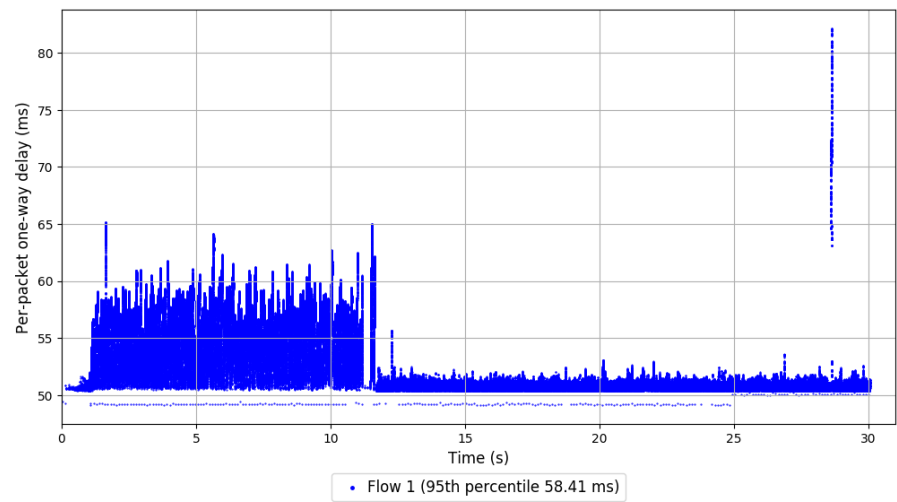
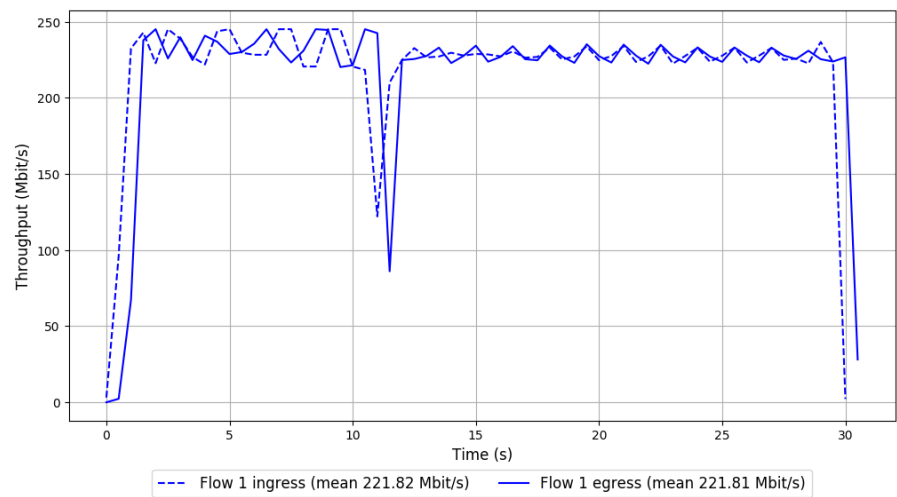
-- Flow 1:

Average throughput: 221.81 Mbit/s

95th percentile per-packet one-way delay: 58.411 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-05 13:05:45

End at: 2018-07-05 13:06:15

Local clock offset: -0.452 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-05 16:51:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.73 Mbit/s

95th percentile per-packet one-way delay: 57.522 ms

Loss rate: 0.00%

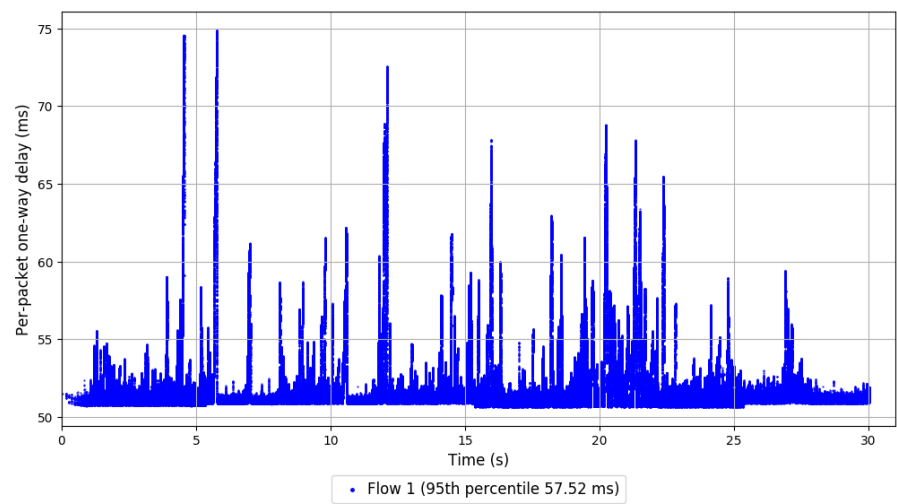
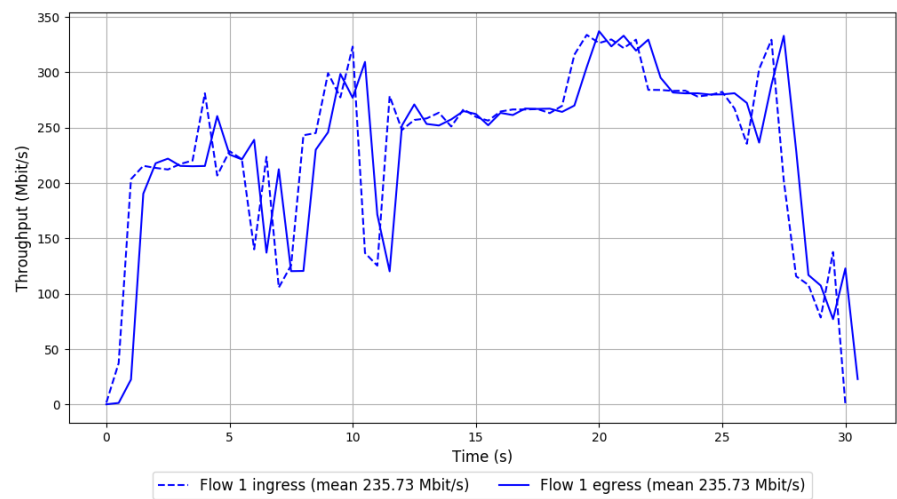
-- Flow 1:

Average throughput: 235.73 Mbit/s

95th percentile per-packet one-way delay: 57.522 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

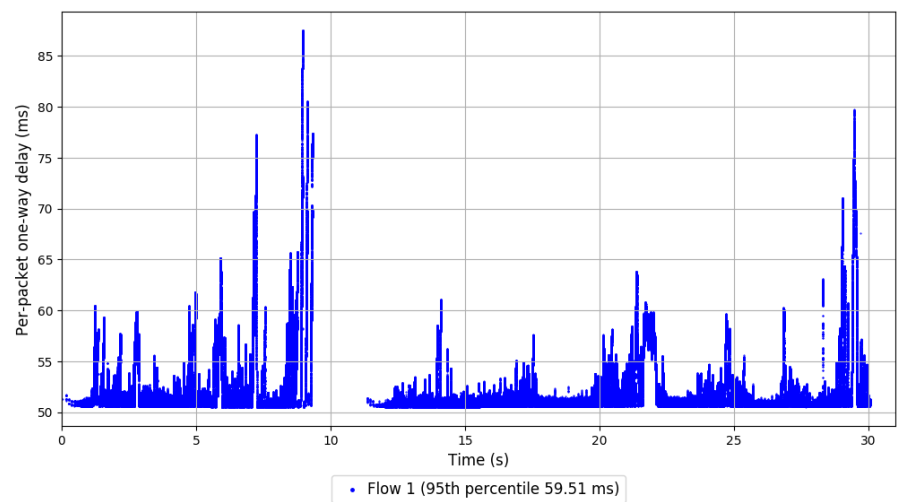
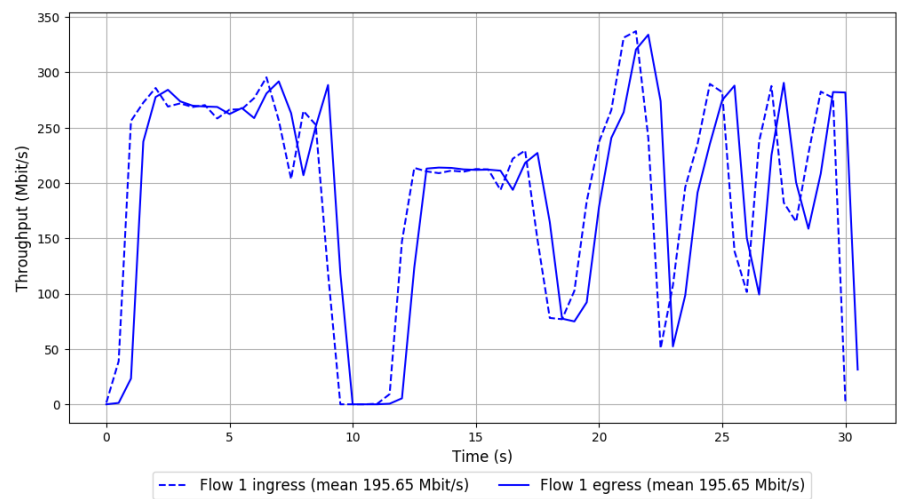


Run 2: Statistics of Copa

Start at: 2018-07-05 13:27:55
End at: 2018-07-05 13:28:25
Local clock offset: -0.469 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-05 16:51:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.65 Mbit/s
95th percentile per-packet one-way delay: 59.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.65 Mbit/s
95th percentile per-packet one-way delay: 59.505 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-05 13:49:49

End at: 2018-07-05 13:50:19

Local clock offset: -0.111 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-05 16:53:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.68 Mbit/s

95th percentile per-packet one-way delay: 67.355 ms

Loss rate: 0.00%

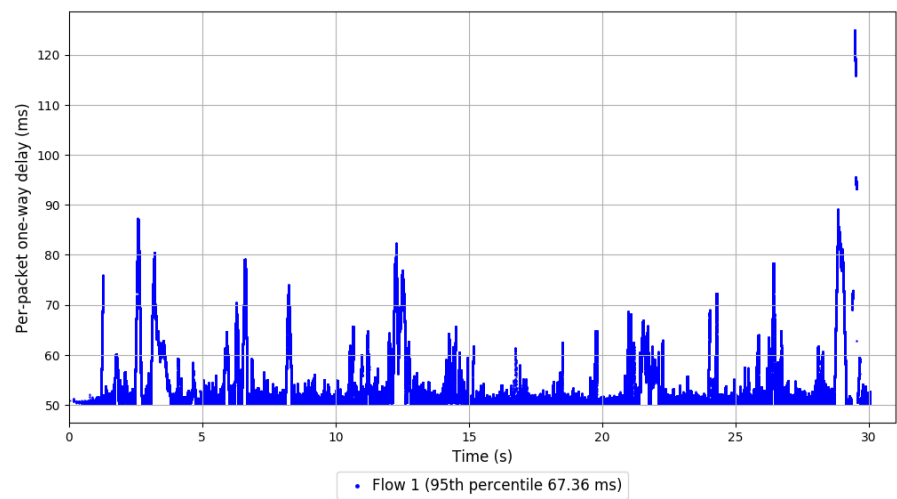
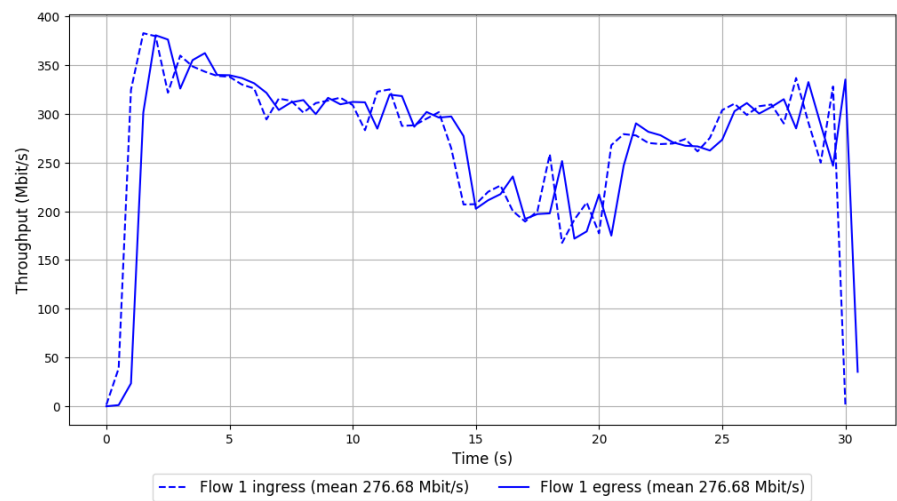
-- Flow 1:

Average throughput: 276.68 Mbit/s

95th percentile per-packet one-way delay: 67.355 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-05 14:12:09

End at: 2018-07-05 14:12:39

Local clock offset: -0.115 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-05 16:53:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.05 Mbit/s

95th percentile per-packet one-way delay: 62.341 ms

Loss rate: 0.00%

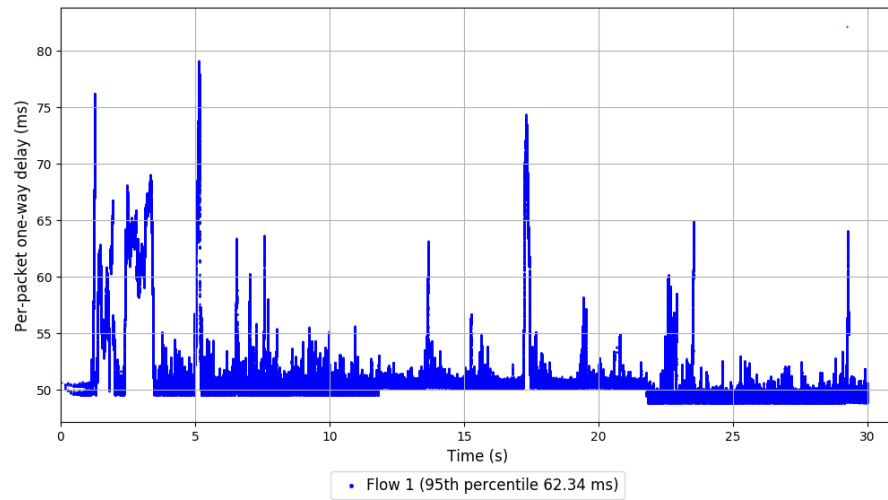
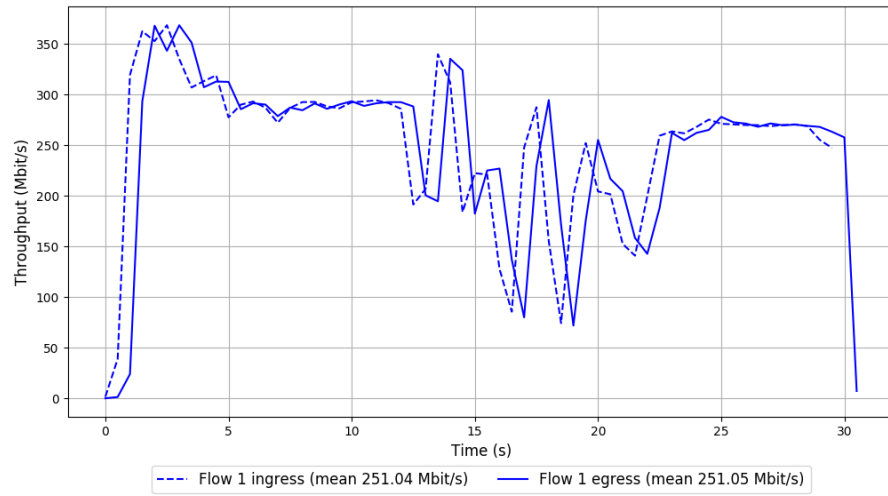
-- Flow 1:

Average throughput: 251.05 Mbit/s

95th percentile per-packet one-way delay: 62.341 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

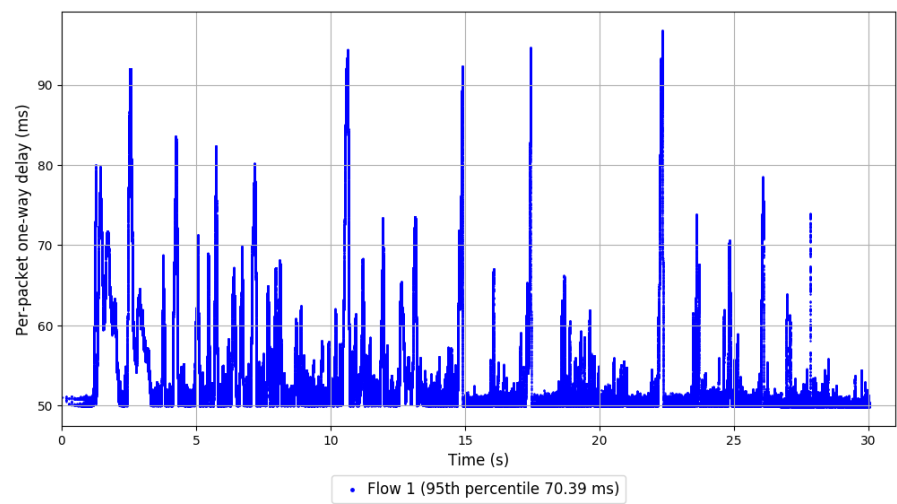
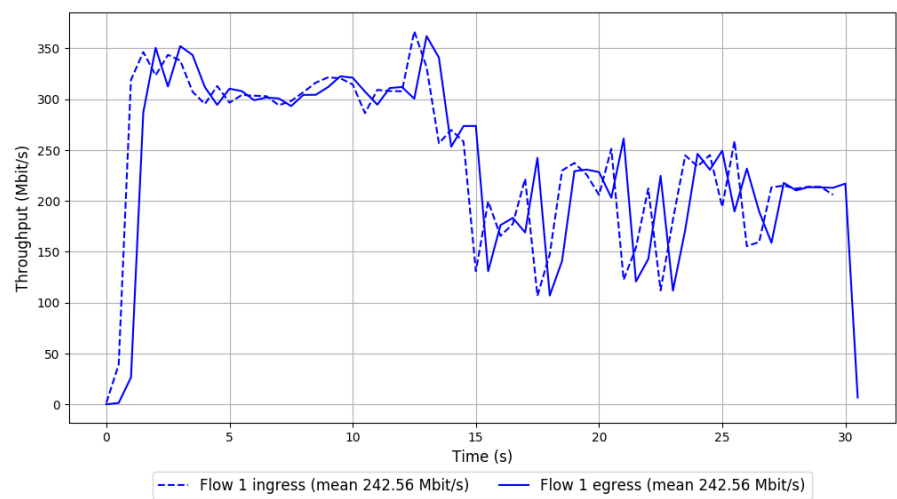


Run 5: Statistics of Copa

Start at: 2018-07-05 14:34:04
End at: 2018-07-05 14:34:34
Local clock offset: -0.447 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-05 16:53:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.56 Mbit/s
95th percentile per-packet one-way delay: 70.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.56 Mbit/s
95th percentile per-packet one-way delay: 70.393 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-05 14:55:44

End at: 2018-07-05 14:56:14

Local clock offset: -0.072 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 16:53:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.90 Mbit/s

95th percentile per-packet one-way delay: 55.540 ms

Loss rate: 0.00%

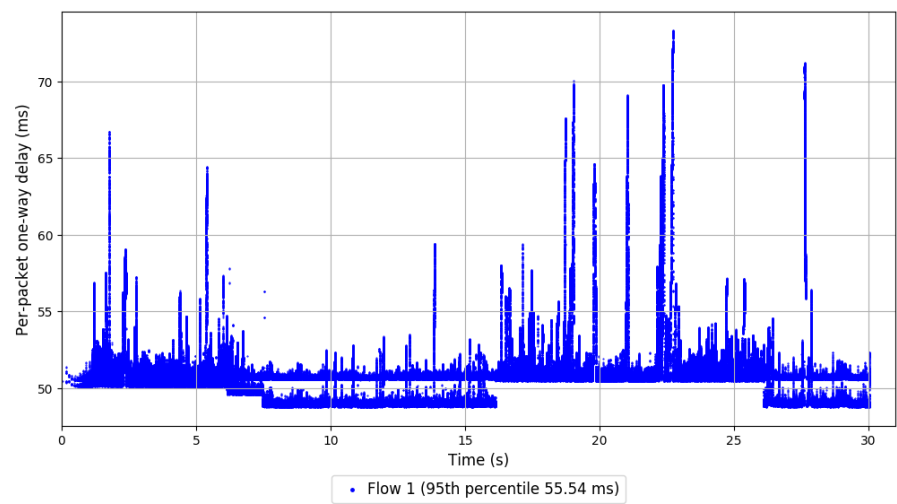
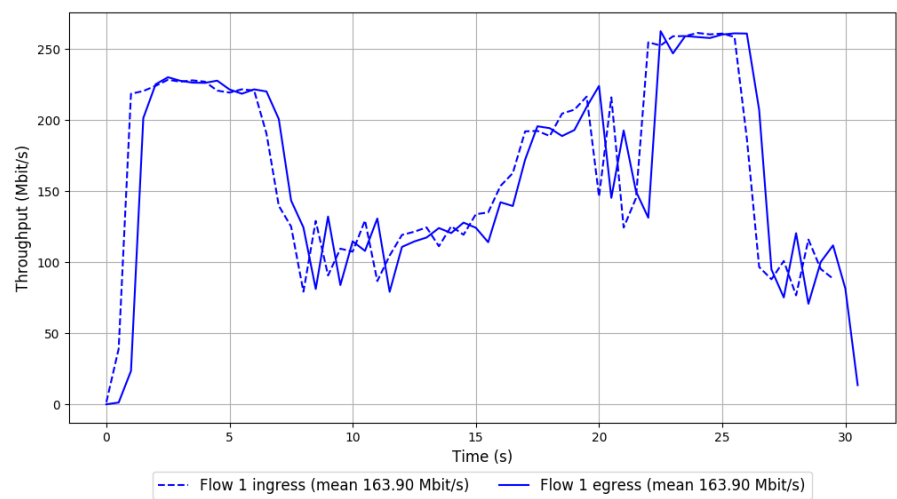
-- Flow 1:

Average throughput: 163.90 Mbit/s

95th percentile per-packet one-way delay: 55.540 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-05 15:17:36

End at: 2018-07-05 15:18:06

Local clock offset: -0.098 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-05 16:53:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.34 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.01%

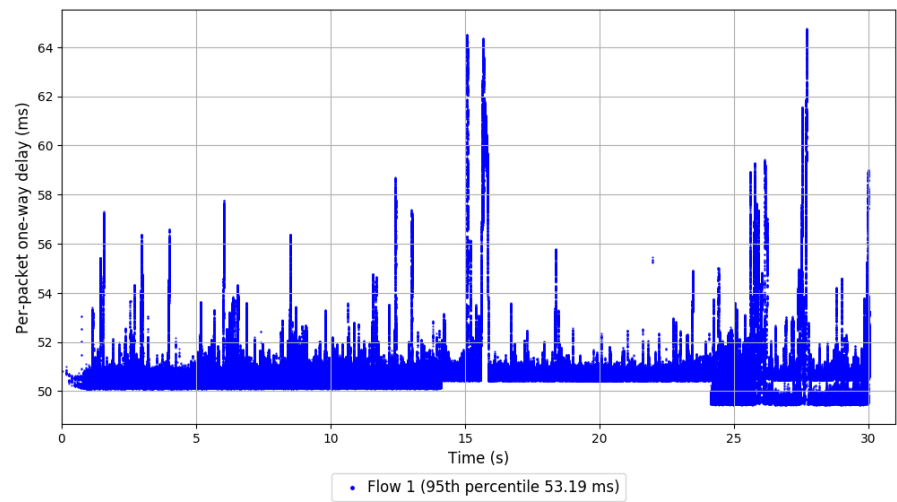
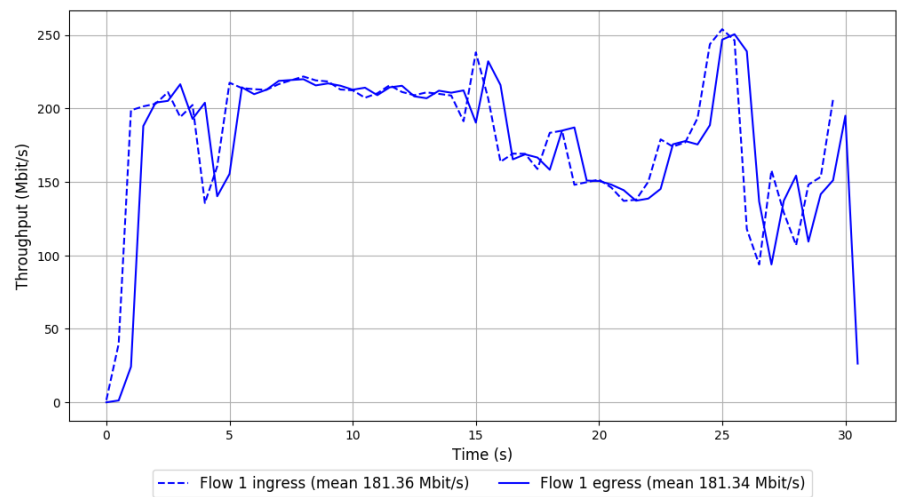
-- Flow 1:

Average throughput: 181.34 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-05 15:39:37

End at: 2018-07-05 15:40:07

Local clock offset: 0.266 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 16:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.26 Mbit/s

95th percentile per-packet one-way delay: 63.939 ms

Loss rate: 0.05%

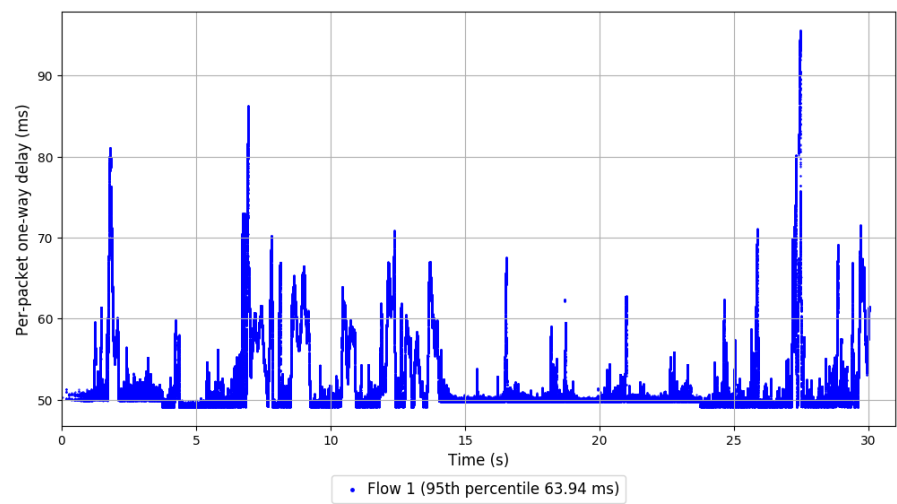
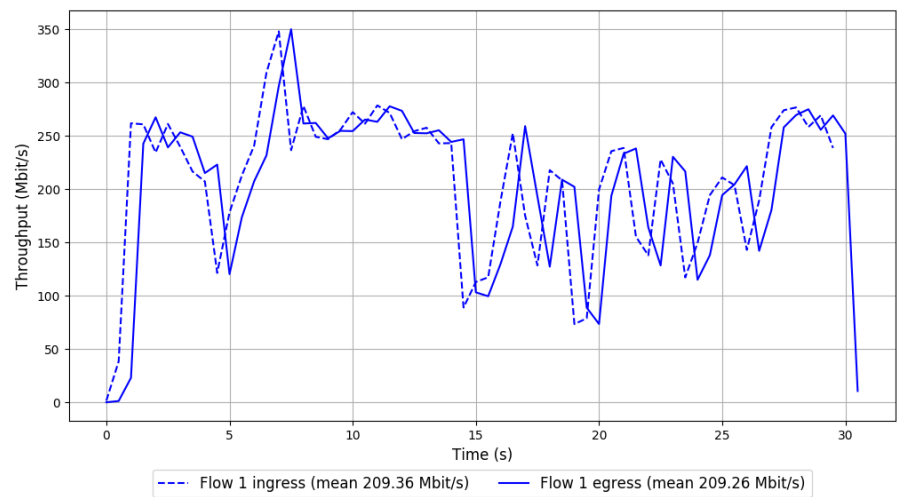
-- Flow 1:

Average throughput: 209.26 Mbit/s

95th percentile per-packet one-way delay: 63.939 ms

Loss rate: 0.05%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-05 16:01:32

End at: 2018-07-05 16:02:02

Local clock offset: -0.473 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-05 16:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.61 Mbit/s

95th percentile per-packet one-way delay: 52.204 ms

Loss rate: 0.02%

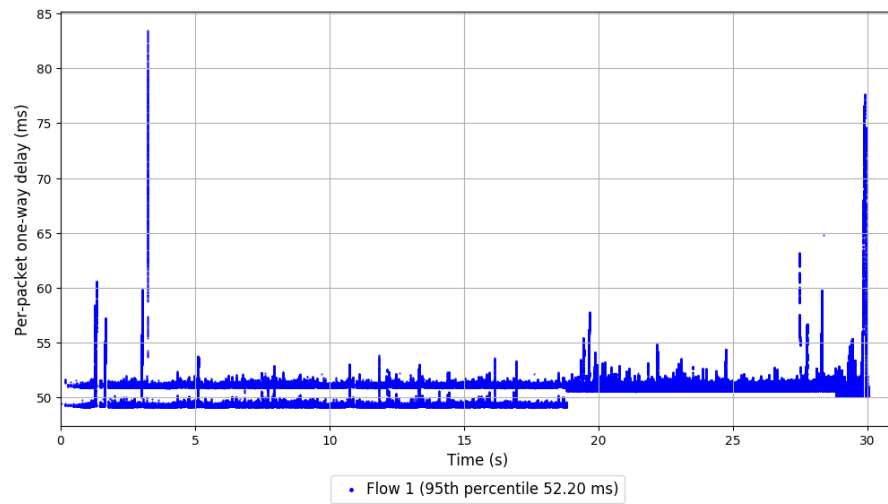
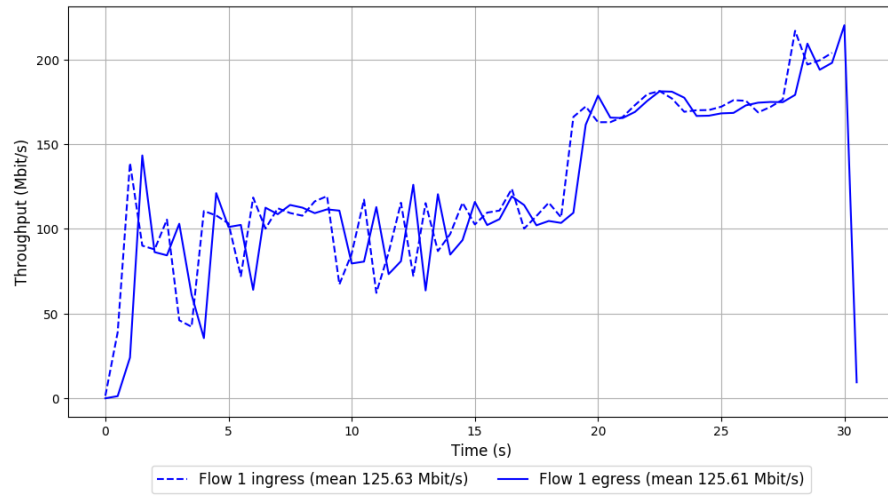
-- Flow 1:

Average throughput: 125.61 Mbit/s

95th percentile per-packet one-way delay: 52.204 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-05 16:23:34

End at: 2018-07-05 16:24:04

Local clock offset: -0.412 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-07-05 16:55:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.69 Mbit/s

95th percentile per-packet one-way delay: 55.192 ms

Loss rate: 0.00%

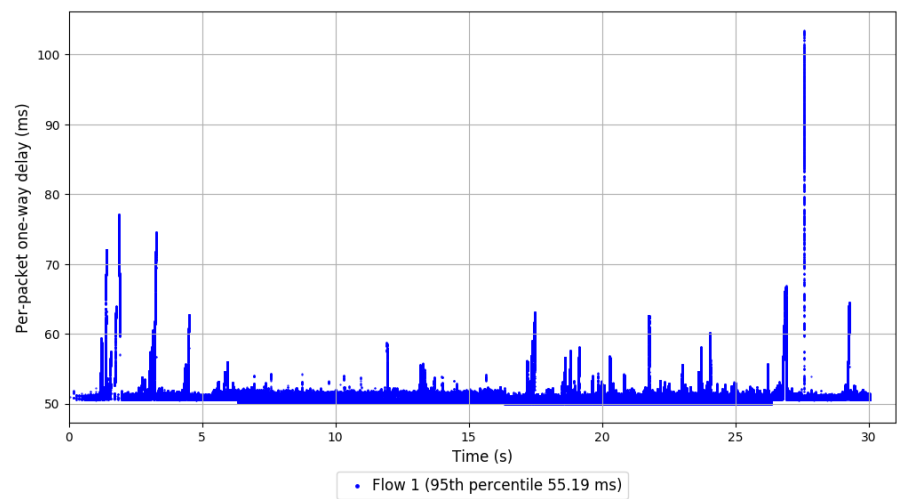
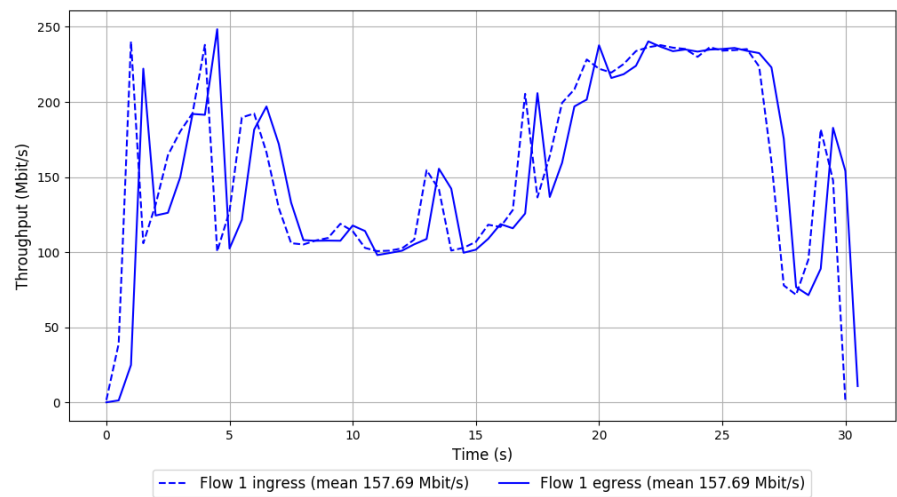
-- Flow 1:

Average throughput: 157.69 Mbit/s

95th percentile per-packet one-way delay: 55.192 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

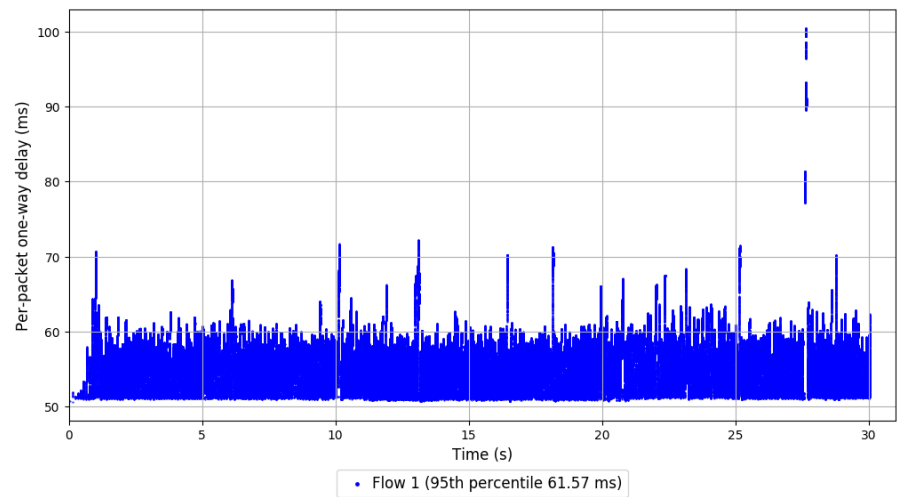
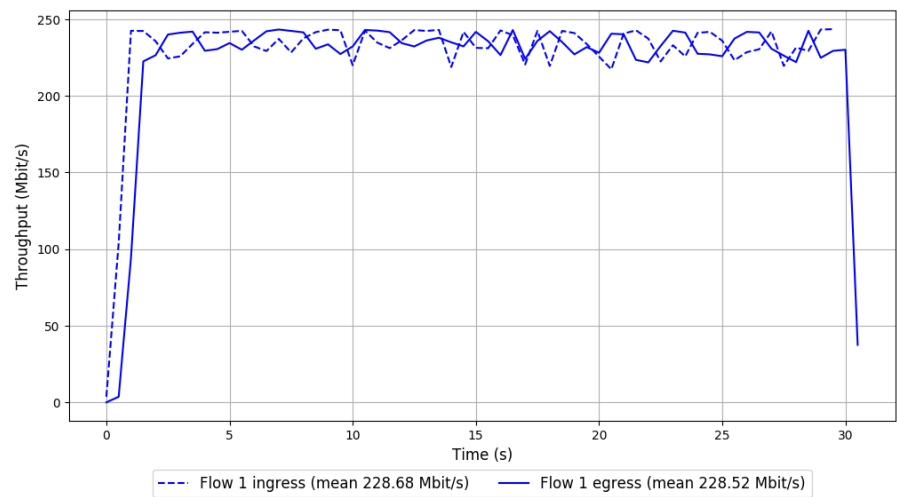


Run 1: Statistics of TCP Cubic

Start at: 2018-07-05 13:09:39
End at: 2018-07-05 13:10:09
Local clock offset: -0.425 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-05 16:55:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.52 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 228.52 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

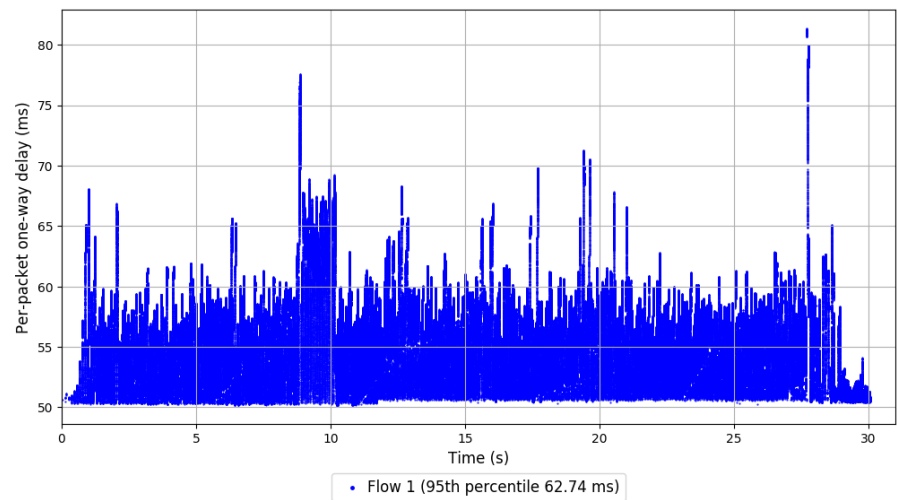
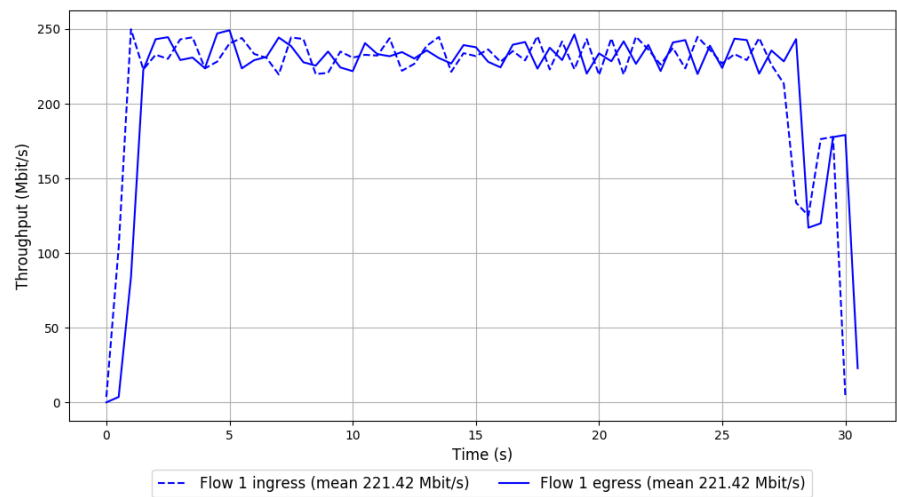


Run 2: Statistics of TCP Cubic

Start at: 2018-07-05 13:31:49
End at: 2018-07-05 13:32:19
Local clock offset: -0.087 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-05 16:55:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.42 Mbit/s
95th percentile per-packet one-way delay: 62.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.42 Mbit/s
95th percentile per-packet one-way delay: 62.740 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

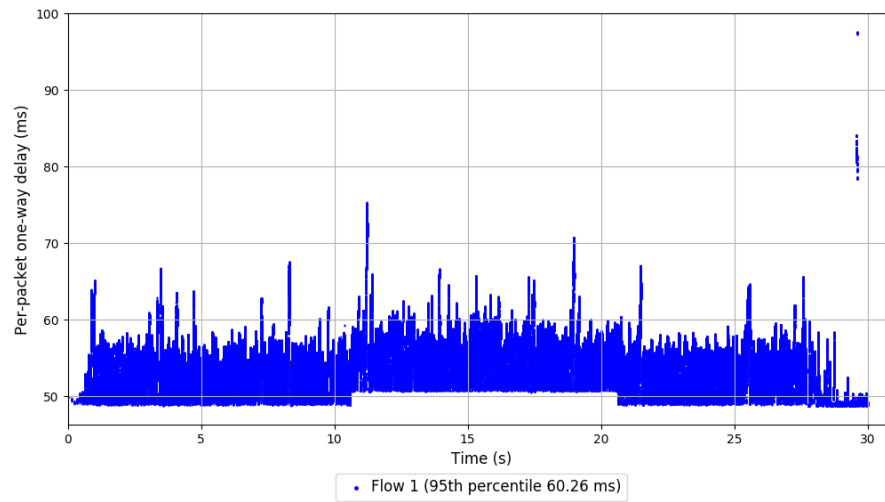
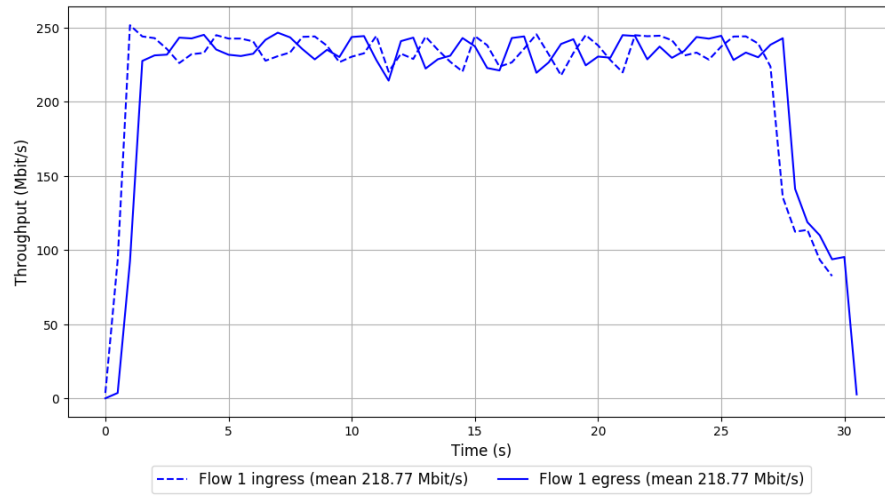


Run 3: Statistics of TCP Cubic

Start at: 2018-07-05 13:53:50
End at: 2018-07-05 13:54:20
Local clock offset: -0.104 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-05 16:55:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.77 Mbit/s
95th percentile per-packet one-way delay: 60.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.77 Mbit/s
95th percentile per-packet one-way delay: 60.258 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

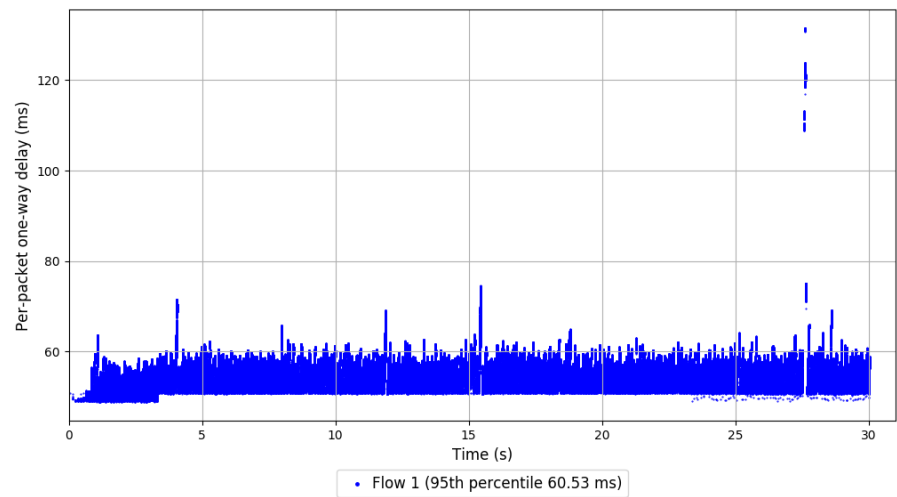
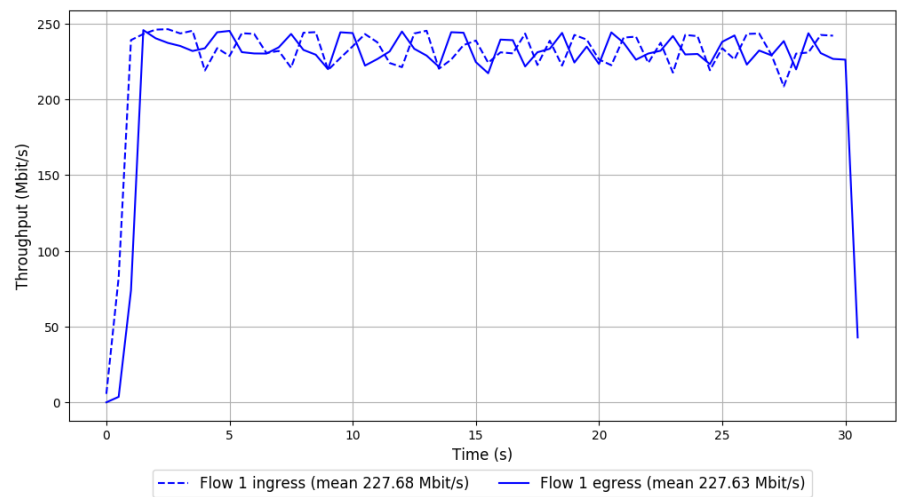


Run 4: Statistics of TCP Cubic

Start at: 2018-07-05 14:16:07
End at: 2018-07-05 14:16:37
Local clock offset: -0.122 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-05 16:56:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.63 Mbit/s
95th percentile per-packet one-way delay: 60.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.63 Mbit/s
95th percentile per-packet one-way delay: 60.529 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

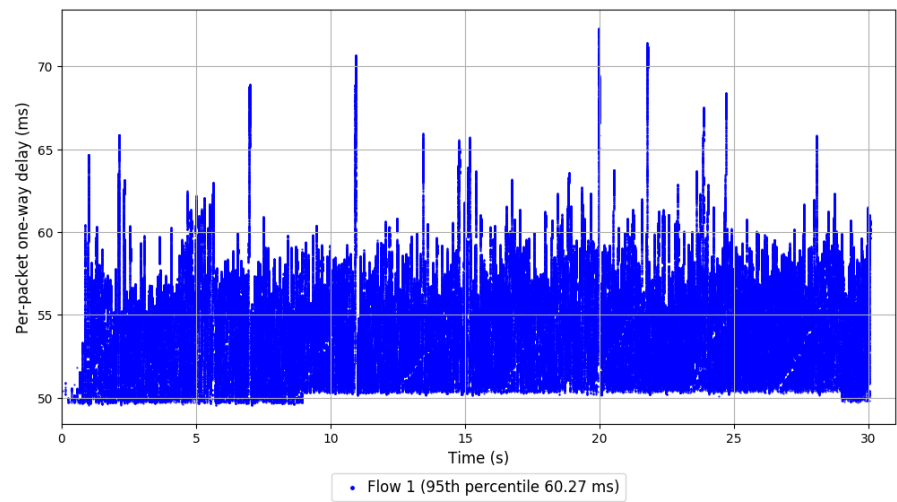
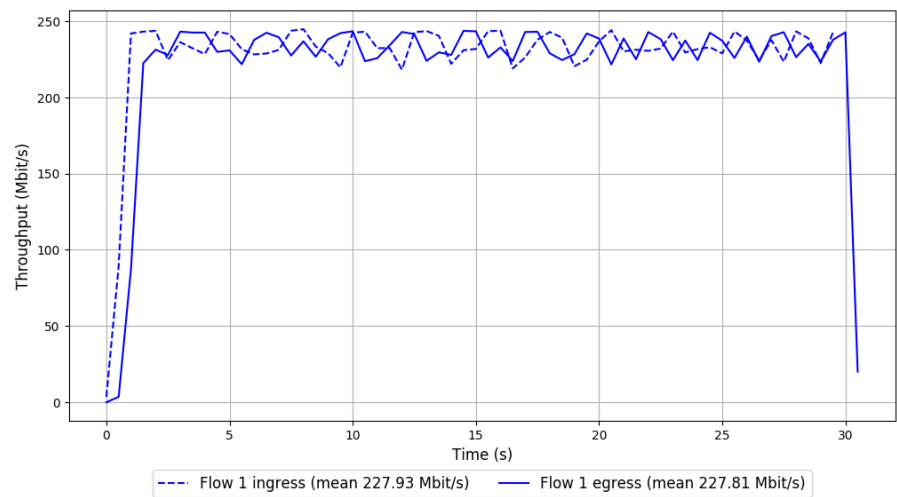


Run 5: Statistics of TCP Cubic

Start at: 2018-07-05 14:38:01
End at: 2018-07-05 14:38:31
Local clock offset: -0.063 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-05 16:57:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.81 Mbit/s
95th percentile per-packet one-way delay: 60.270 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 227.81 Mbit/s
95th percentile per-packet one-way delay: 60.270 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-05 14:59:30

End at: 2018-07-05 15:00:00

Local clock offset: -0.11 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-05 16:57:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.31 Mbit/s

95th percentile per-packet one-way delay: 60.185 ms

Loss rate: 0.00%

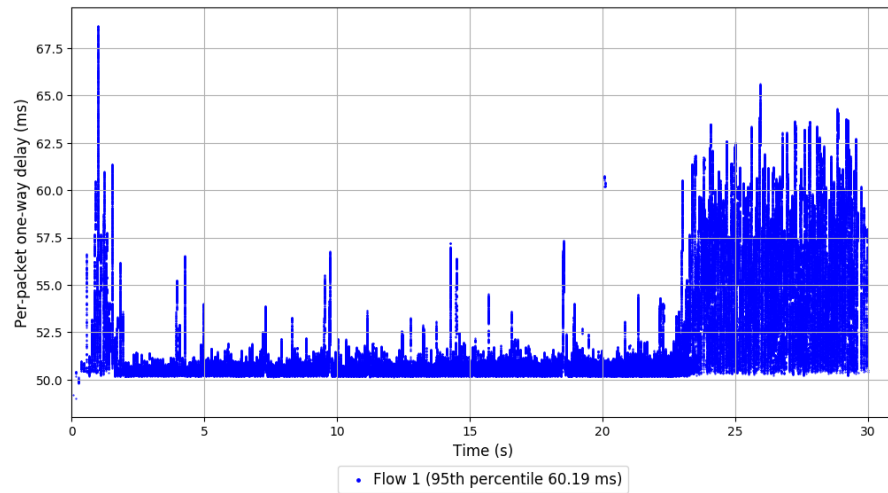
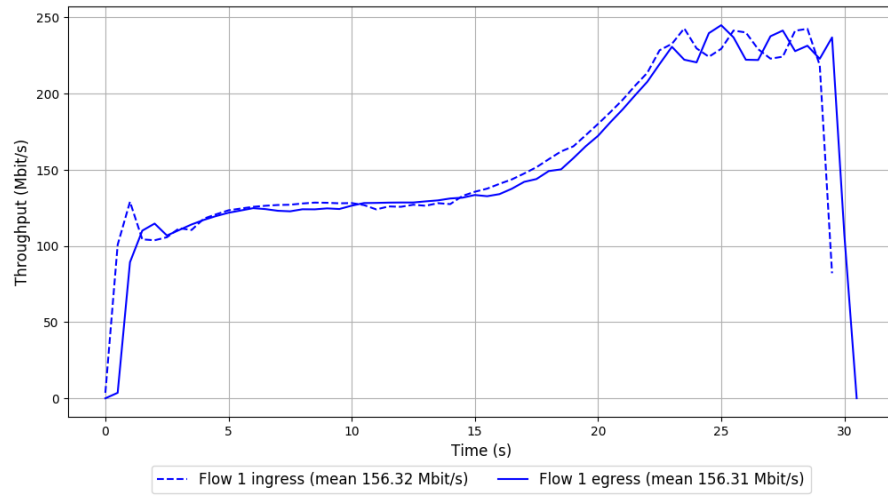
-- Flow 1:

Average throughput: 156.31 Mbit/s

95th percentile per-packet one-way delay: 60.185 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

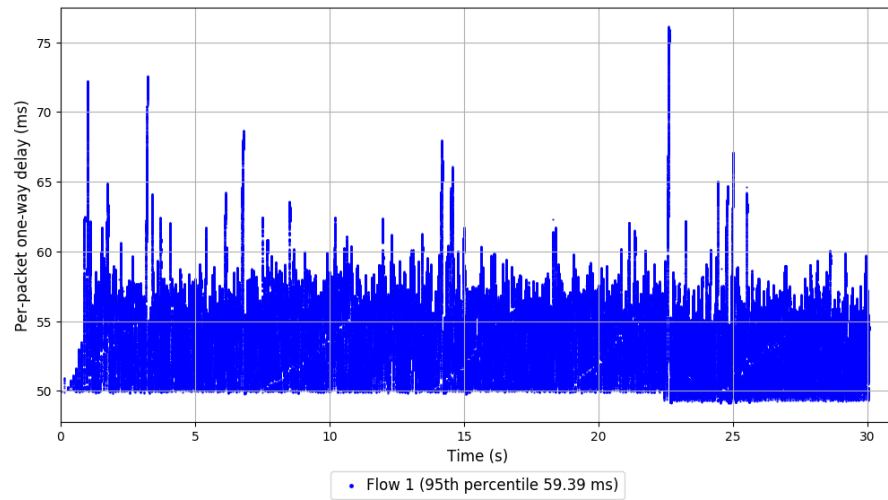
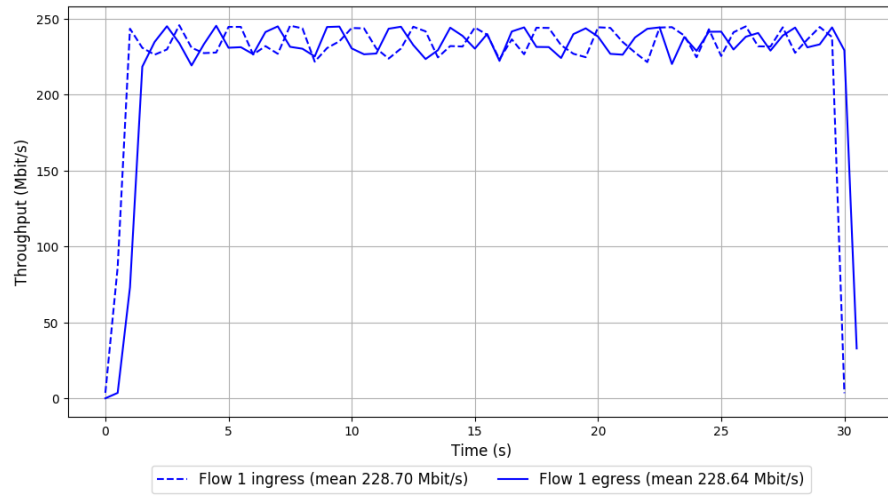


Run 7: Statistics of TCP Cubic

Start at: 2018-07-05 15:21:28
End at: 2018-07-05 15:21:58
Local clock offset: 0.268 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-05 16:58:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.64 Mbit/s
95th percentile per-packet one-way delay: 59.394 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 228.64 Mbit/s
95th percentile per-packet one-way delay: 59.394 ms
Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-05 15:43:32

End at: 2018-07-05 15:44:02

Local clock offset: -0.066 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-05 16:58:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.83 Mbit/s

95th percentile per-packet one-way delay: 59.500 ms

Loss rate: 0.04%

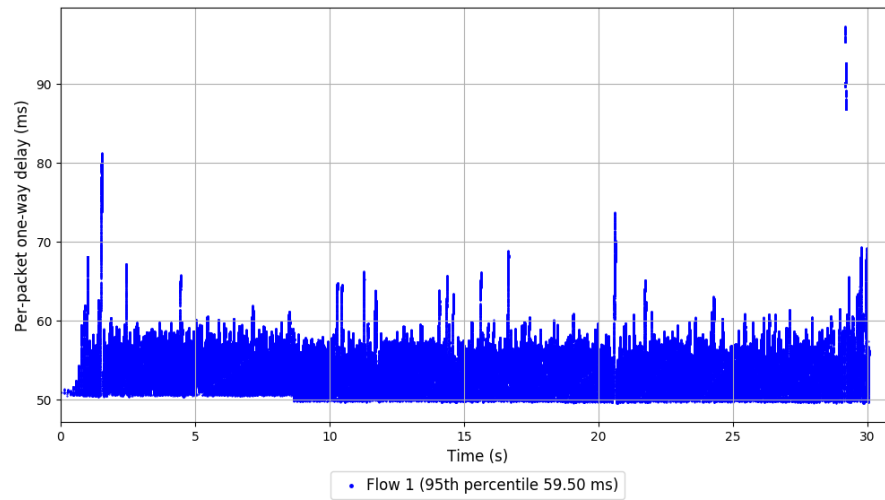
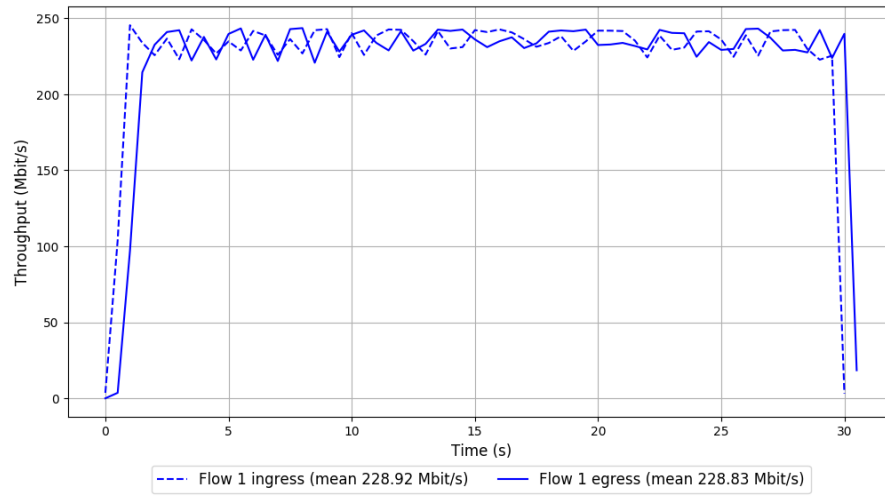
-- Flow 1:

Average throughput: 228.83 Mbit/s

95th percentile per-packet one-way delay: 59.500 ms

Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-05 16:05:19

End at: 2018-07-05 16:05:49

Local clock offset: -0.098 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-05 16:58:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.82 Mbit/s

95th percentile per-packet one-way delay: 59.911 ms

Loss rate: 0.00%

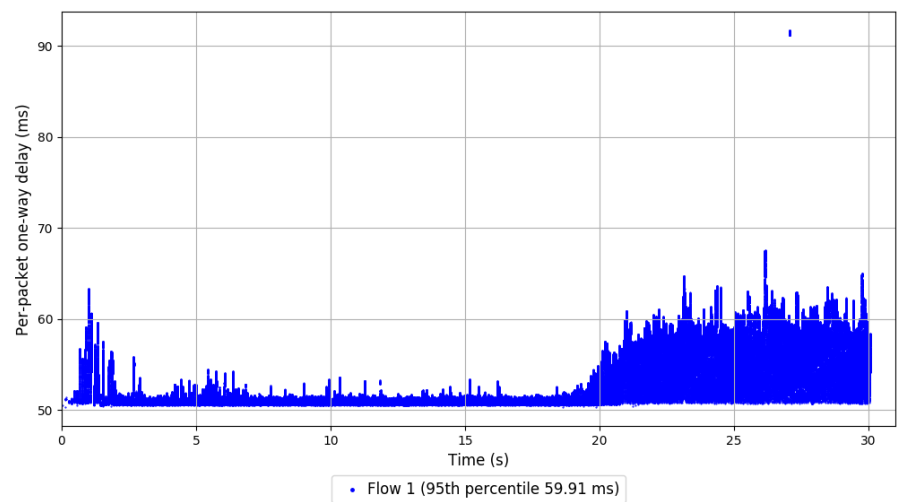
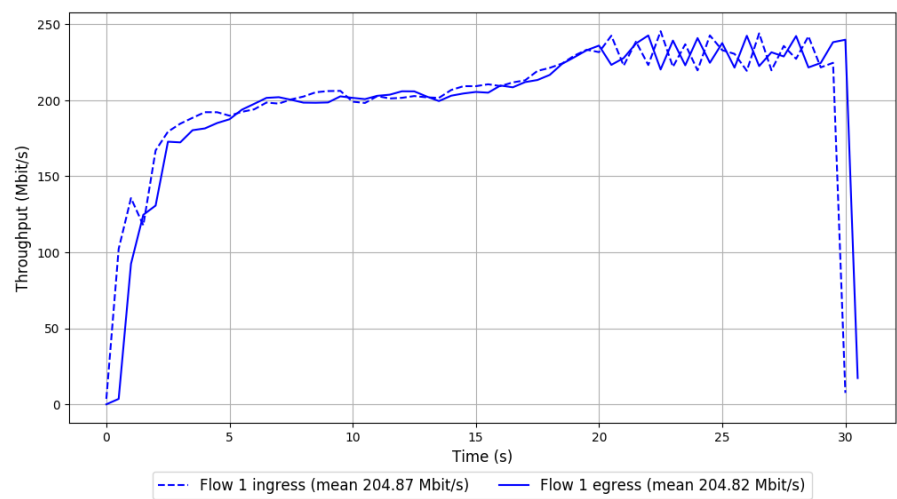
-- Flow 1:

Average throughput: 204.82 Mbit/s

95th percentile per-packet one-way delay: 59.911 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-05 16:27:20

End at: 2018-07-05 16:27:50

Local clock offset: -0.069 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-05 16:58:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.56 Mbit/s

95th percentile per-packet one-way delay: 60.529 ms

Loss rate: 0.00%

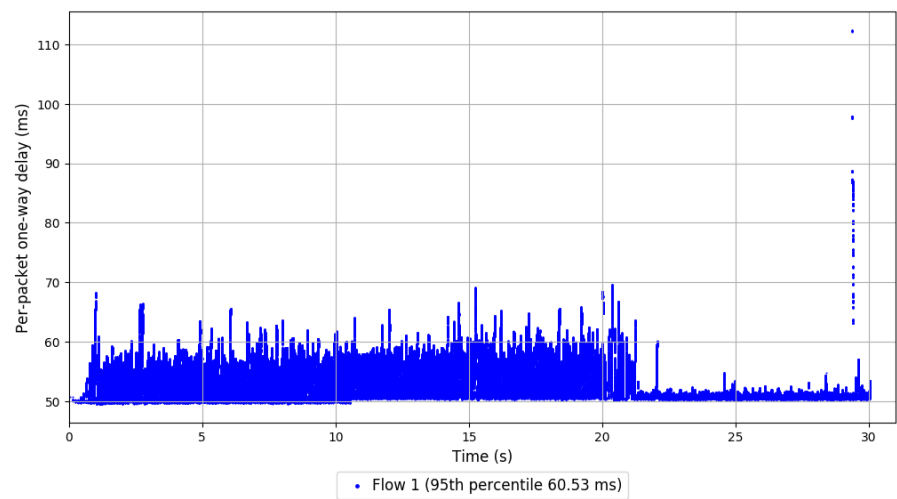
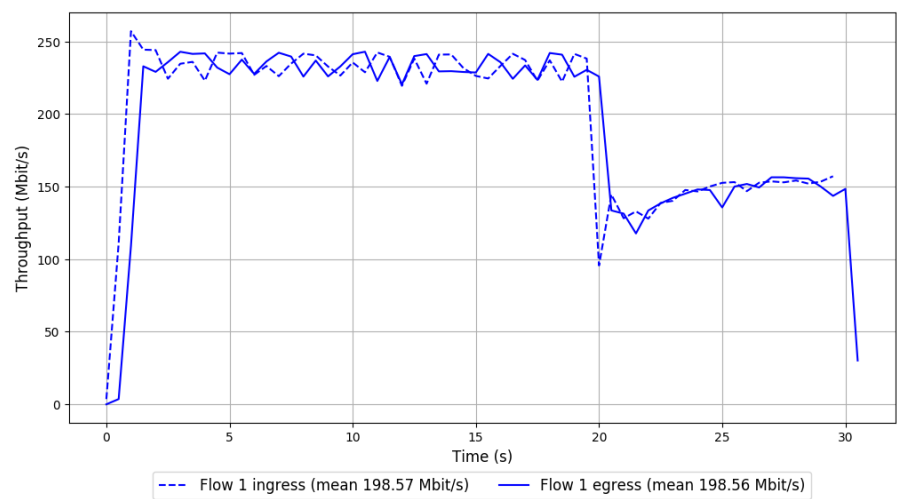
-- Flow 1:

Average throughput: 198.56 Mbit/s

95th percentile per-packet one-way delay: 60.529 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

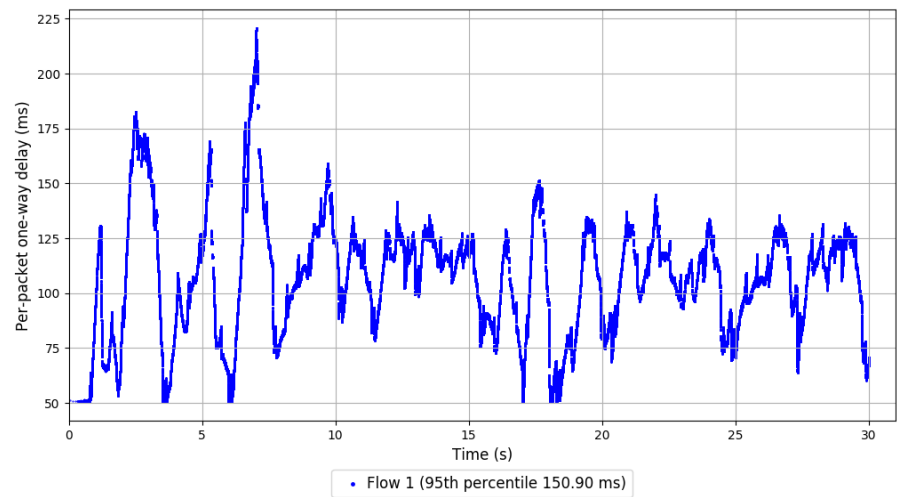
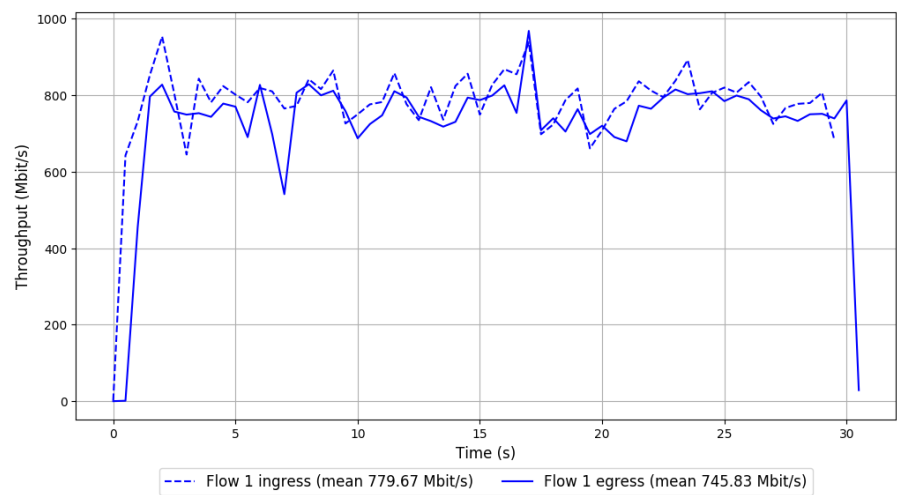


Run 1: Statistics of FillP

Start at: 2018-07-05 12:53:56
End at: 2018-07-05 12:54:26
Local clock offset: -0.121 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-05 17:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 745.83 Mbit/s
95th percentile per-packet one-way delay: 150.902 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 745.83 Mbit/s
95th percentile per-packet one-way delay: 150.902 ms
Loss rate: 4.34%

Run 1: Report of FillP — Data Link

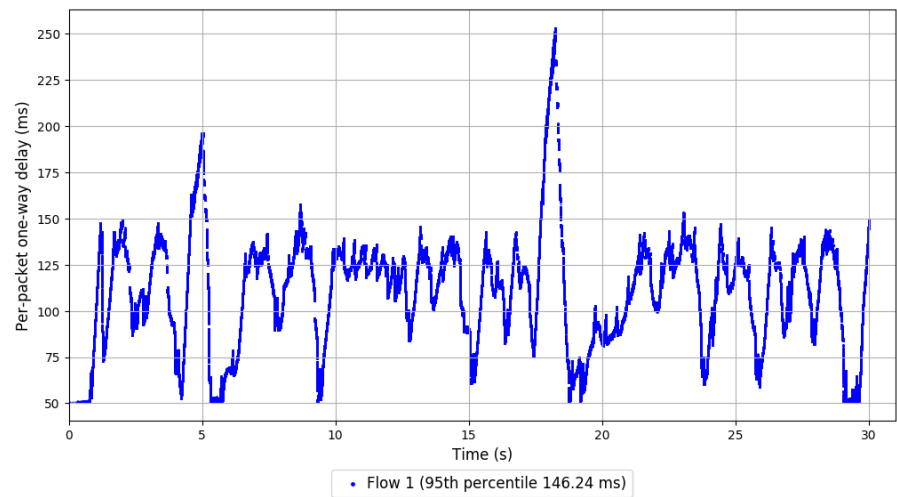
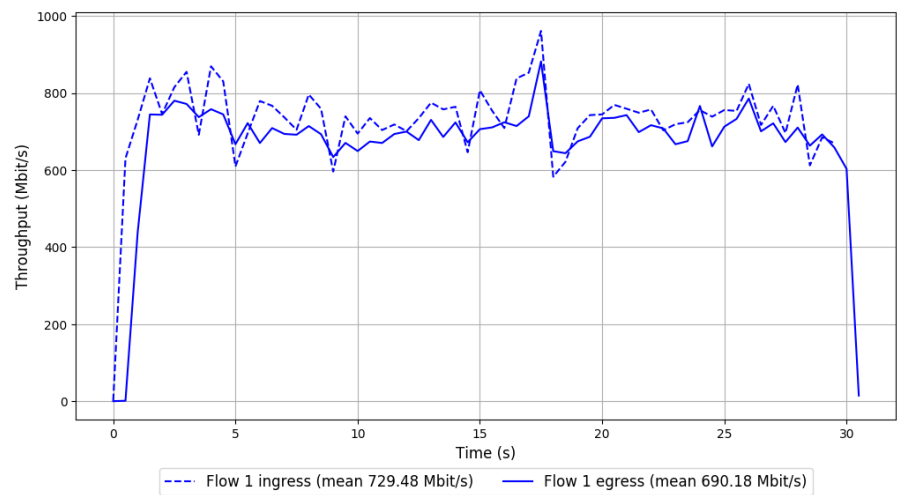


Run 2: Statistics of FillP

Start at: 2018-07-05 13:15:53
End at: 2018-07-05 13:16:23
Local clock offset: -0.121 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-05 17:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.18 Mbit/s
95th percentile per-packet one-way delay: 146.240 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 690.18 Mbit/s
95th percentile per-packet one-way delay: 146.240 ms
Loss rate: 5.39%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-05 13:38:06

End at: 2018-07-05 13:38:36

Local clock offset: -0.096 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 17:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 679.23 Mbit/s

95th percentile per-packet one-way delay: 174.141 ms

Loss rate: 5.42%

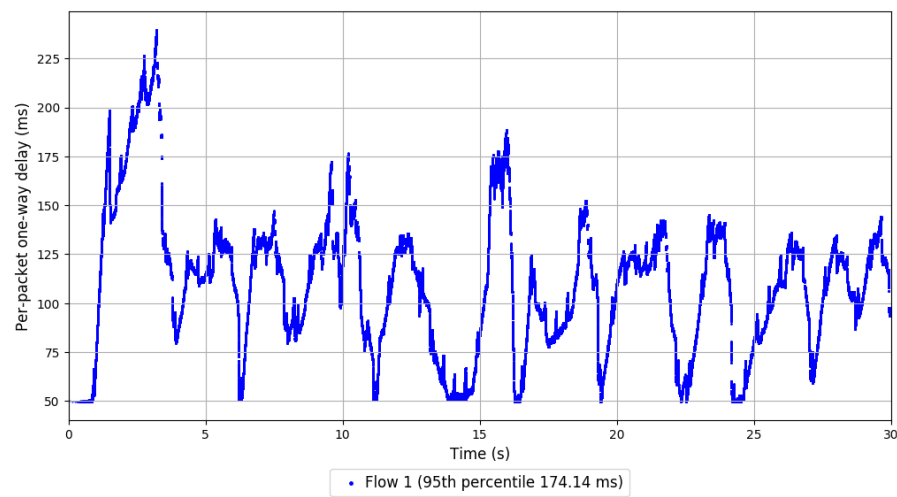
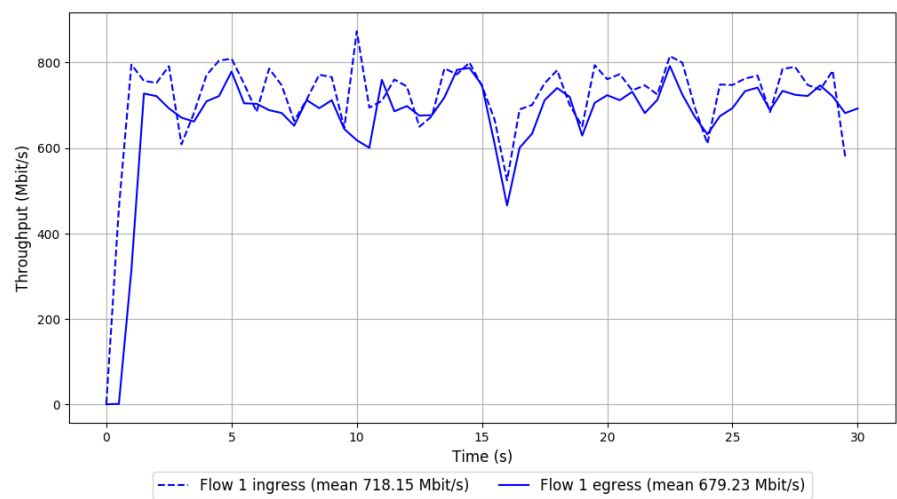
-- Flow 1:

Average throughput: 679.23 Mbit/s

95th percentile per-packet one-way delay: 174.141 ms

Loss rate: 5.42%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-05 14:00:04

End at: 2018-07-05 14:00:34

Local clock offset: -0.483 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-05 17:12:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.84 Mbit/s

95th percentile per-packet one-way delay: 213.723 ms

Loss rate: 5.10%

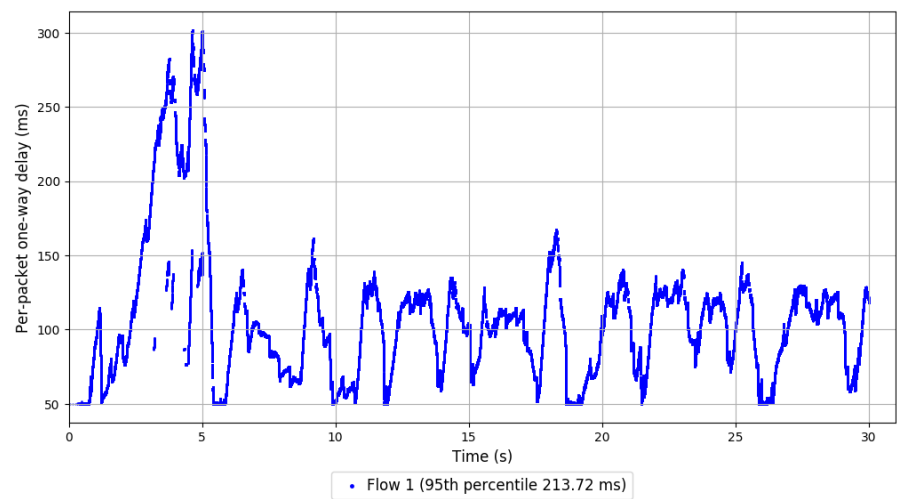
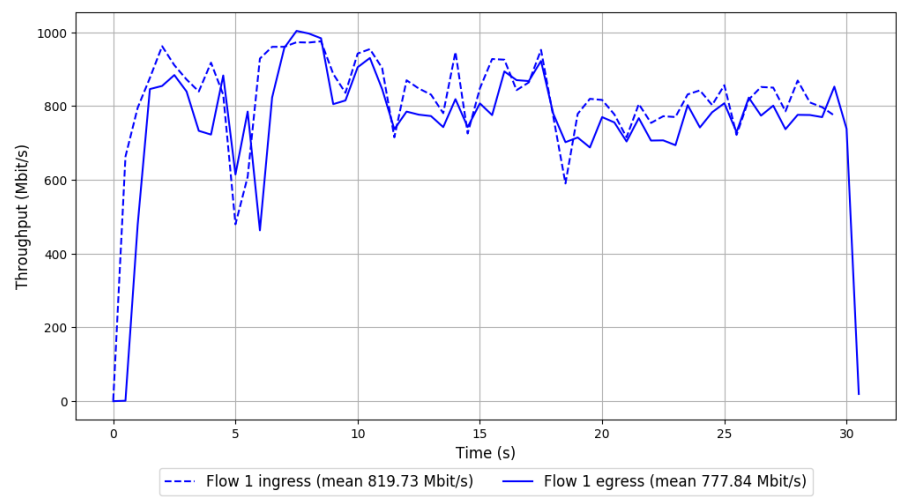
-- Flow 1:

Average throughput: 777.84 Mbit/s

95th percentile per-packet one-way delay: 213.723 ms

Loss rate: 5.10%

Run 4: Report of FillP — Data Link

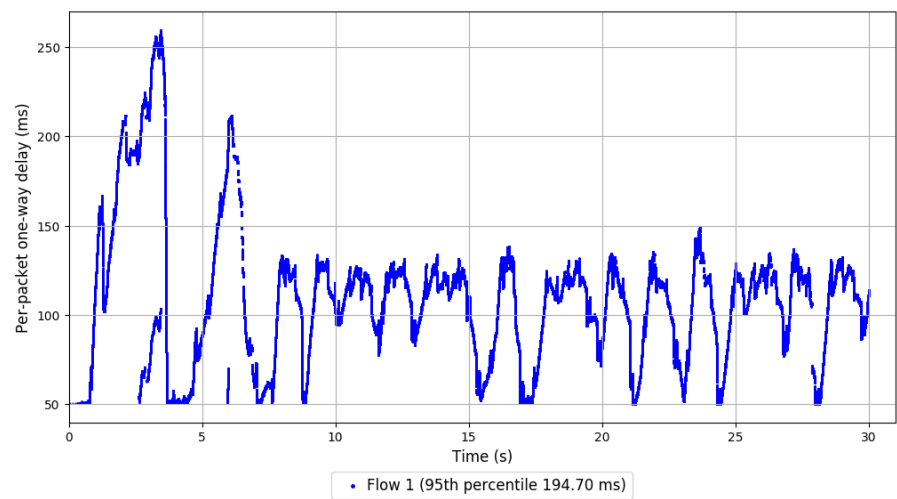
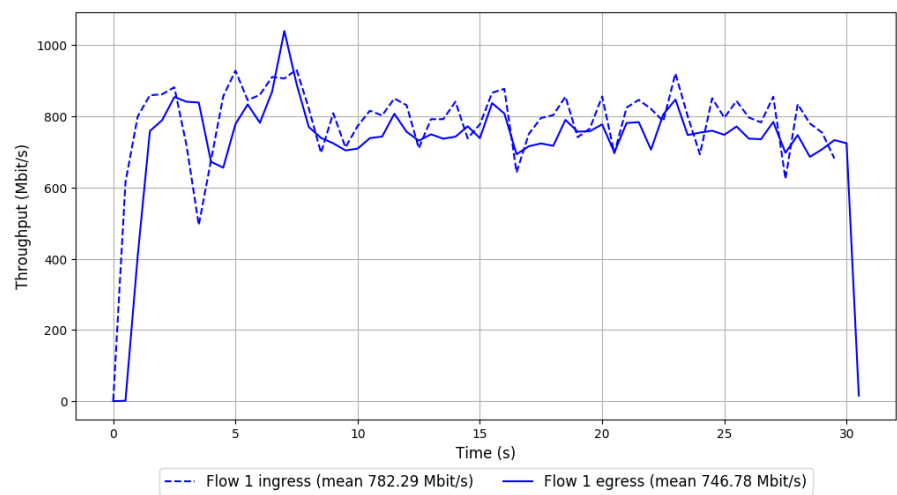


Run 5: Statistics of FillP

Start at: 2018-07-05 14:22:20
End at: 2018-07-05 14:22:50
Local clock offset: -0.117 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-05 17:12:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 746.78 Mbit/s
95th percentile per-packet one-way delay: 194.703 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 746.78 Mbit/s
95th percentile per-packet one-way delay: 194.703 ms
Loss rate: 4.54%

Run 5: Report of FillP — Data Link

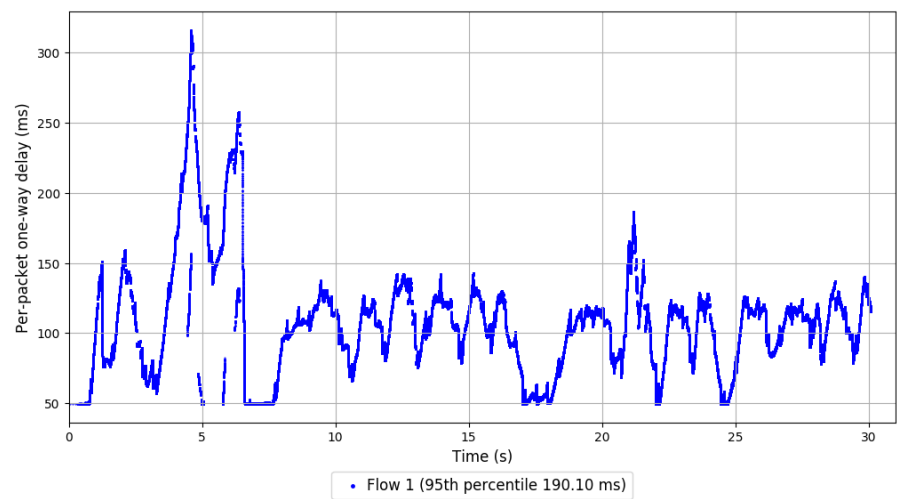
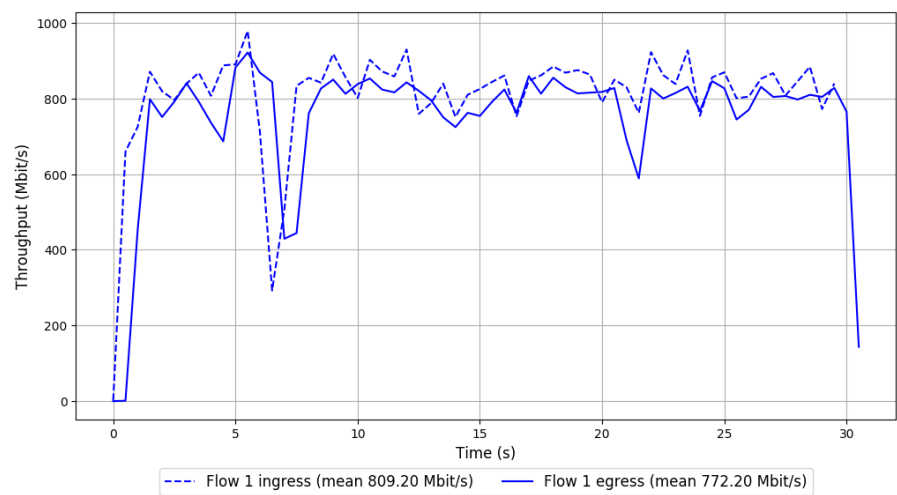


Run 6: Statistics of FillP

Start at: 2018-07-05 14:44:16
End at: 2018-07-05 14:44:46
Local clock offset: -0.009 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-05 17:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.20 Mbit/s
95th percentile per-packet one-way delay: 190.100 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 772.20 Mbit/s
95th percentile per-packet one-way delay: 190.100 ms
Loss rate: 4.36%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-05 15:05:37

End at: 2018-07-05 15:06:07

Local clock offset: -0.485 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-05 17:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 715.03 Mbit/s

95th percentile per-packet one-way delay: 166.107 ms

Loss rate: 4.18%

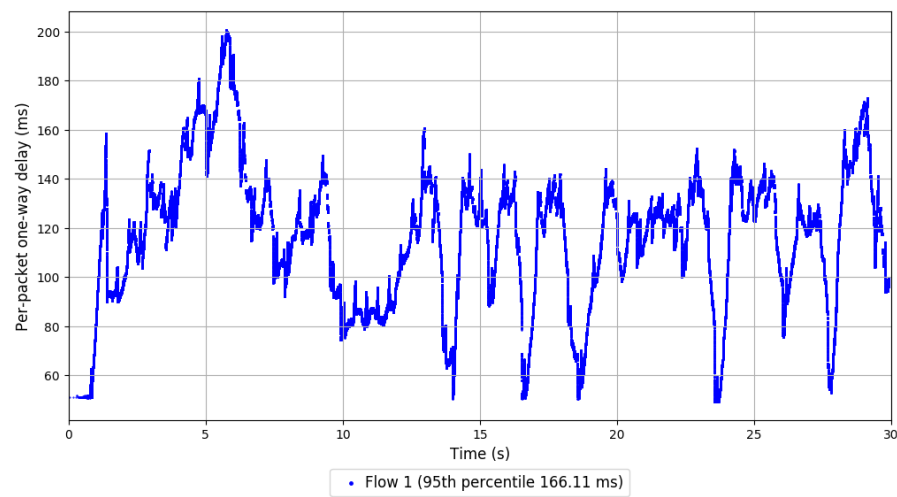
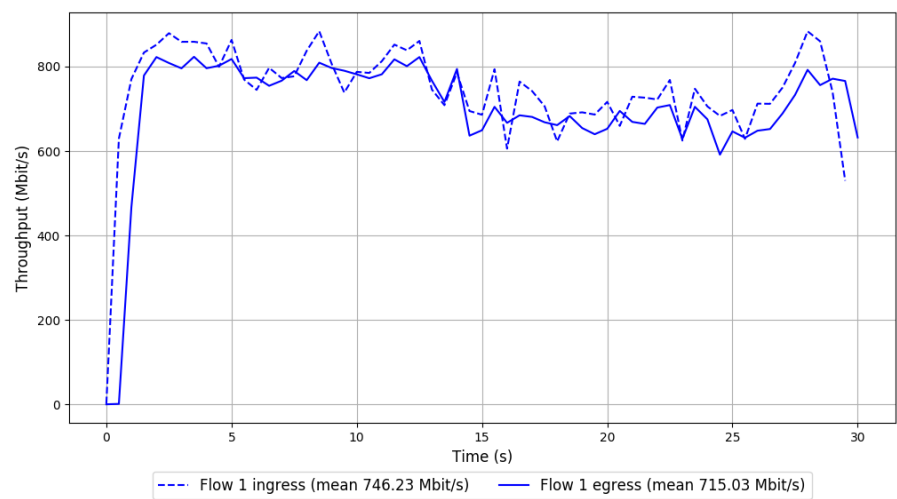
-- Flow 1:

Average throughput: 715.03 Mbit/s

95th percentile per-packet one-way delay: 166.107 ms

Loss rate: 4.18%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-05 15:27:39

End at: 2018-07-05 15:28:09

Local clock offset: -0.208 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-05 17:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 714.04 Mbit/s

95th percentile per-packet one-way delay: 181.495 ms

Loss rate: 5.38%

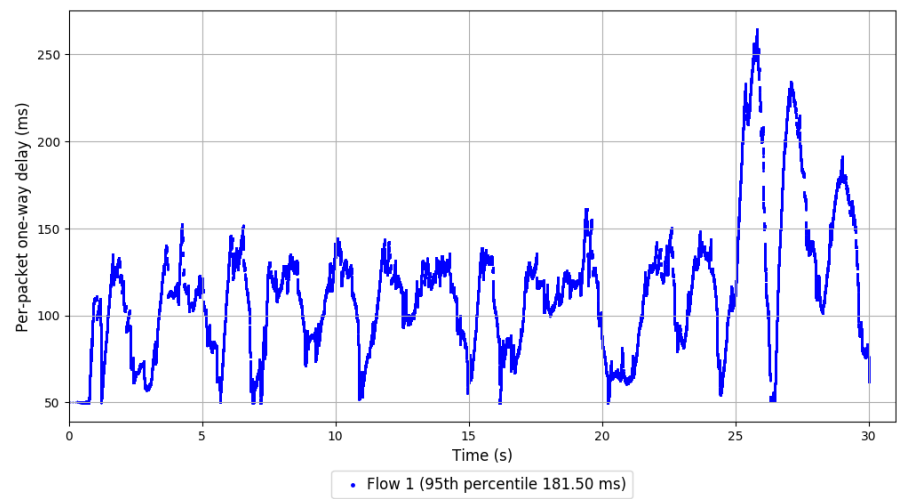
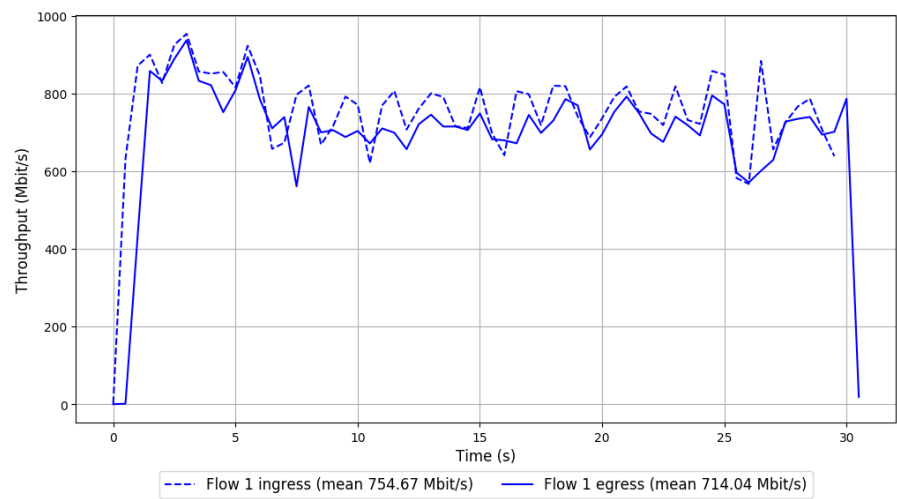
-- Flow 1:

Average throughput: 714.04 Mbit/s

95th percentile per-packet one-way delay: 181.495 ms

Loss rate: 5.38%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-05 15:49:43

End at: 2018-07-05 15:50:13

Local clock offset: -0.083 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-05 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.49 Mbit/s

95th percentile per-packet one-way delay: 130.358 ms

Loss rate: 3.79%

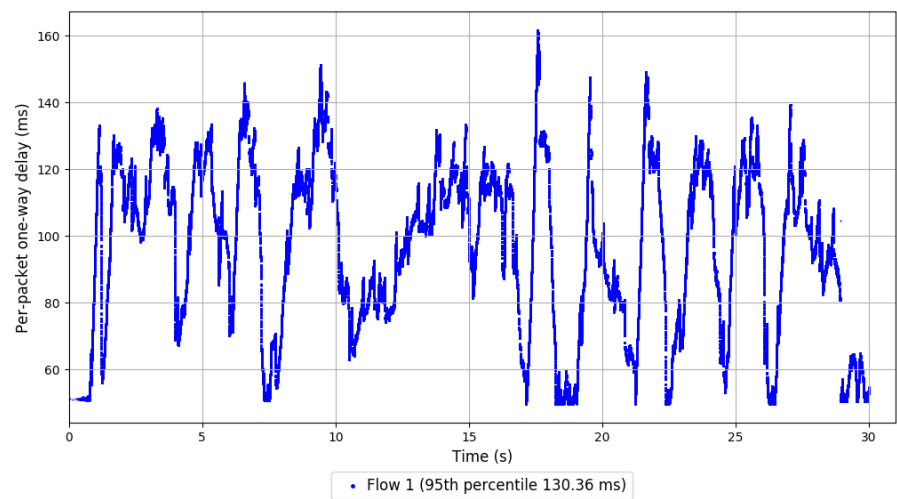
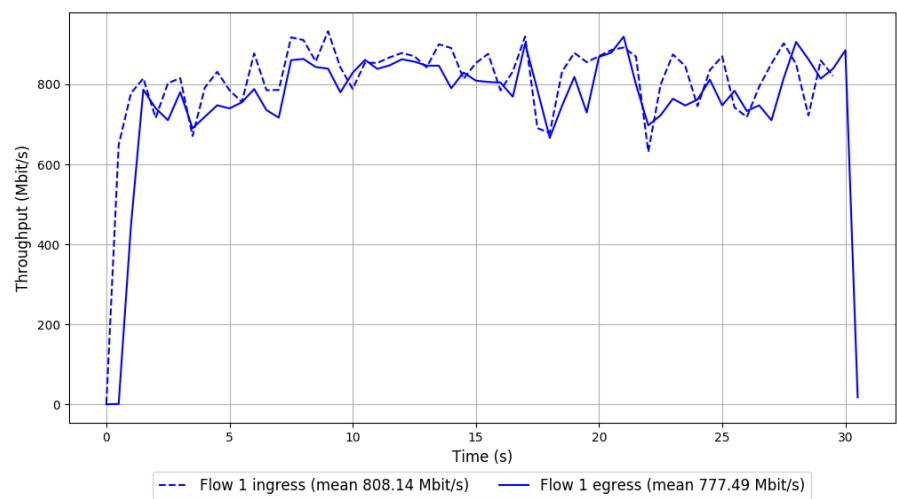
-- Flow 1:

Average throughput: 777.49 Mbit/s

95th percentile per-packet one-way delay: 130.358 ms

Loss rate: 3.79%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-05 16:11:31

End at: 2018-07-05 16:12:01

Local clock offset: -0.061 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-05 17:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 737.48 Mbit/s

95th percentile per-packet one-way delay: 155.956 ms

Loss rate: 4.14%

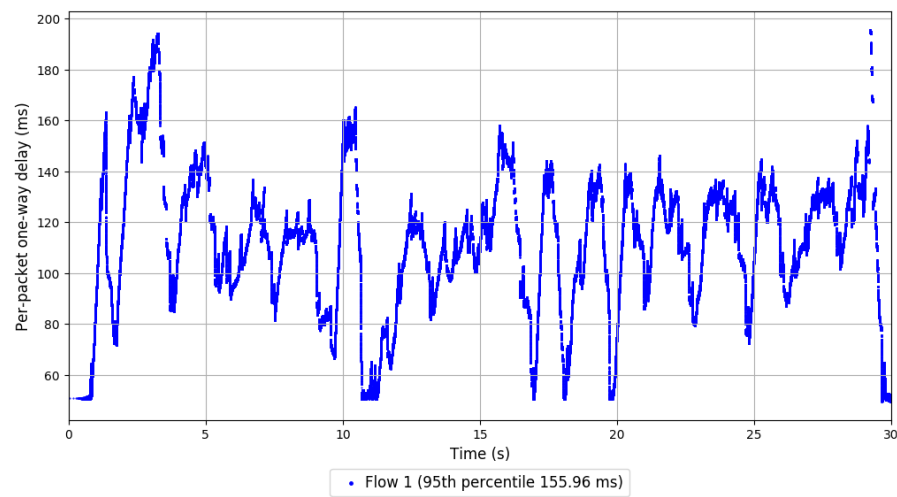
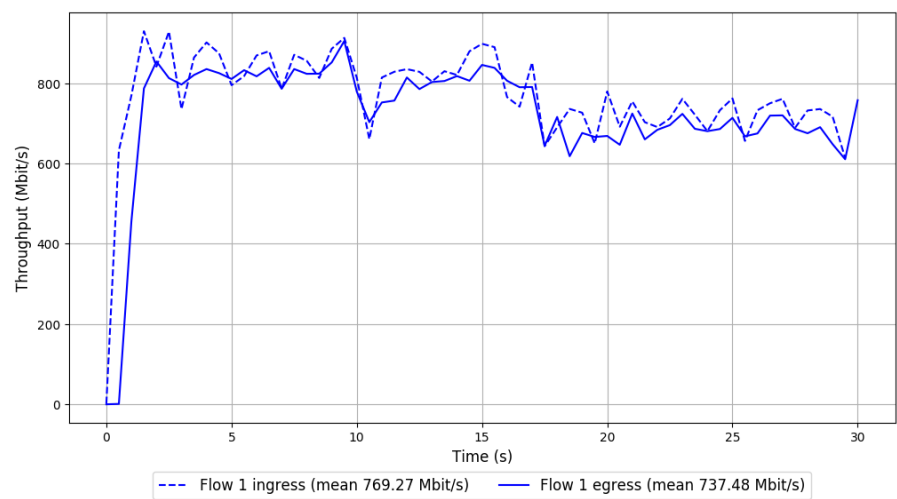
-- Flow 1:

Average throughput: 737.48 Mbit/s

95th percentile per-packet one-way delay: 155.956 ms

Loss rate: 4.14%

Run 10: Report of FillP — Data Link

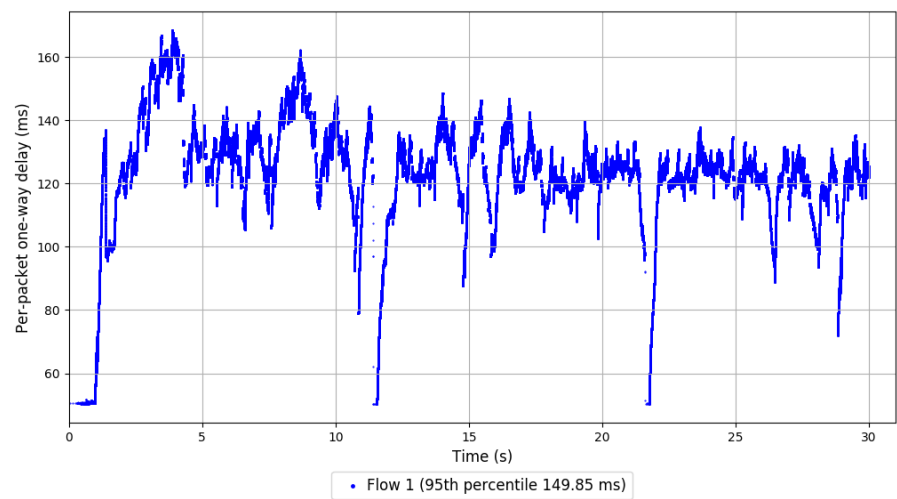
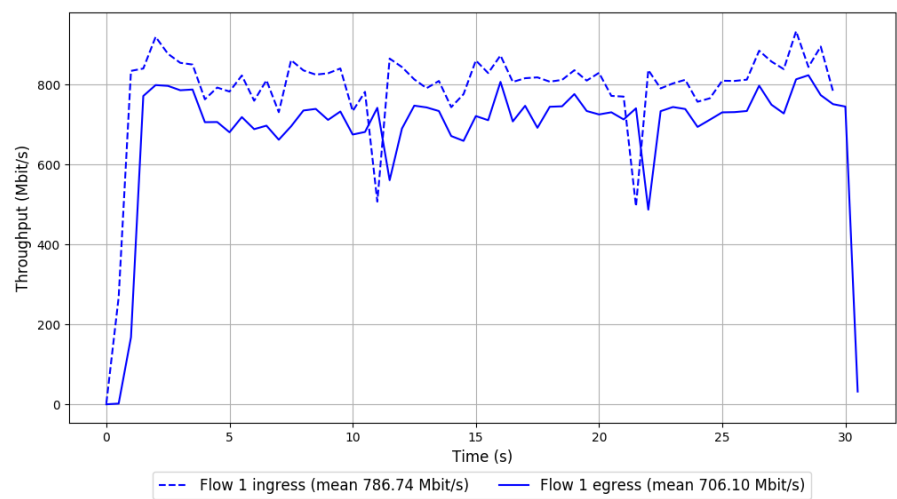


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-05 12:55:30
End at: 2018-07-05 12:56:00
Local clock offset: -0.084 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-05 17:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 706.10 Mbit/s
95th percentile per-packet one-way delay: 149.854 ms
Loss rate: 10.25%
-- Flow 1:
Average throughput: 706.10 Mbit/s
95th percentile per-packet one-way delay: 149.854 ms
Loss rate: 10.25%

Run 1: Report of FillP-Sheep — Data Link

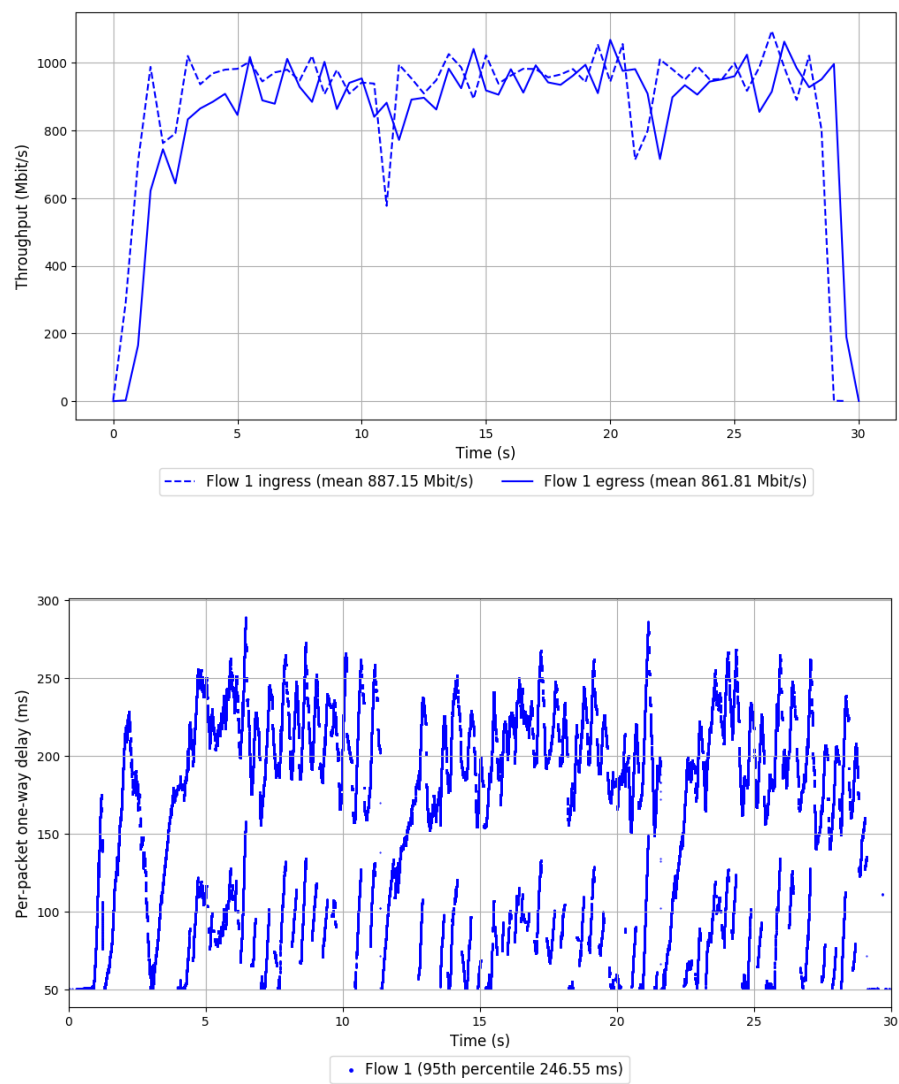


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-05 13:17:24
End at: 2018-07-05 13:17:54
Local clock offset: -0.477 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-05 17:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 861.81 Mbit/s
95th percentile per-packet one-way delay: 246.547 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 861.81 Mbit/s
95th percentile per-packet one-way delay: 246.547 ms
Loss rate: 2.86%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-05 13:39:37

End at: 2018-07-05 13:40:07

Local clock offset: -0.478 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-05 17:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.17 Mbit/s

95th percentile per-packet one-way delay: 288.592 ms

Loss rate: 12.23%

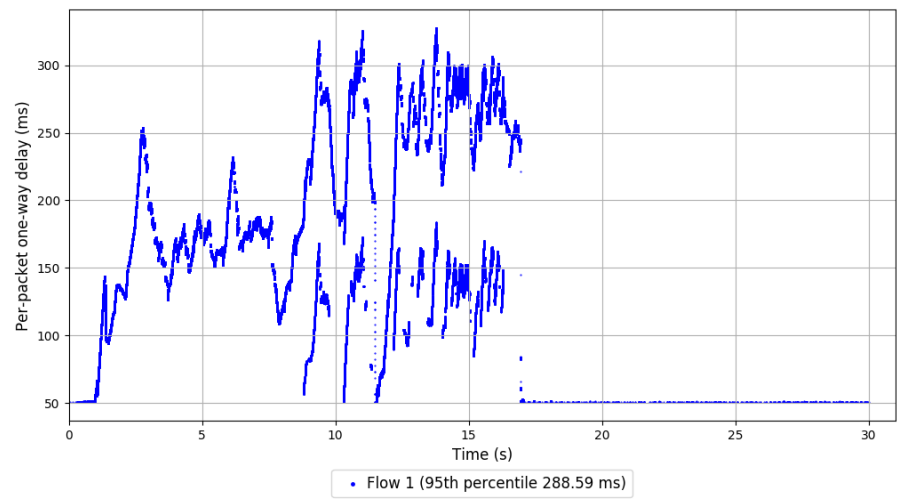
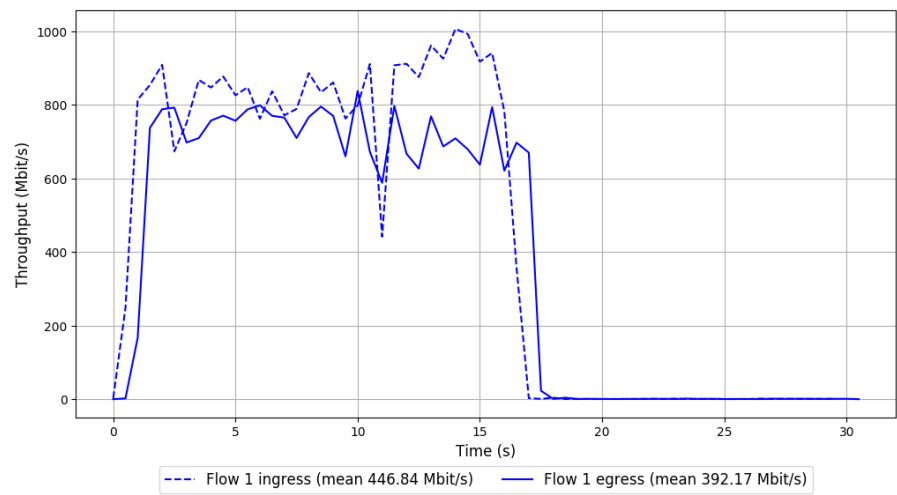
-- Flow 1:

Average throughput: 392.17 Mbit/s

95th percentile per-packet one-way delay: 288.592 ms

Loss rate: 12.23%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-05 14:01:39

End at: 2018-07-05 14:02:09

Local clock offset: -0.106 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-05 17:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 706.43 Mbit/s

95th percentile per-packet one-way delay: 156.227 ms

Loss rate: 10.83%

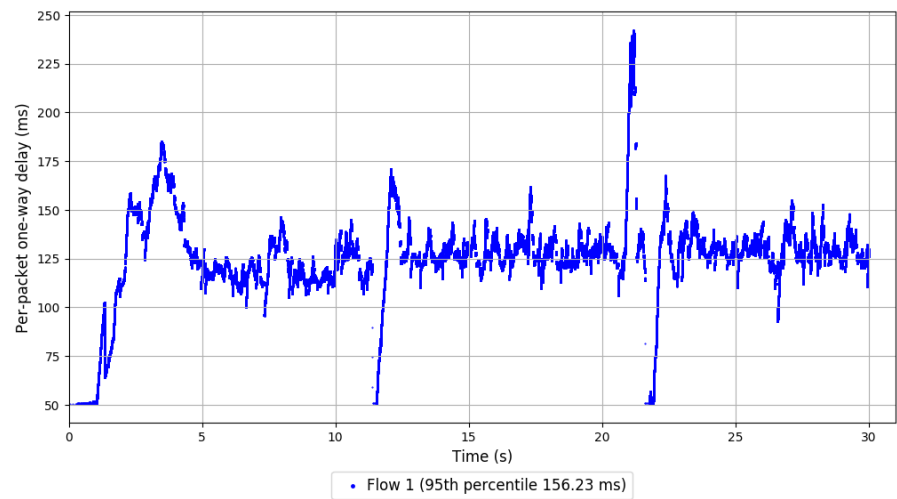
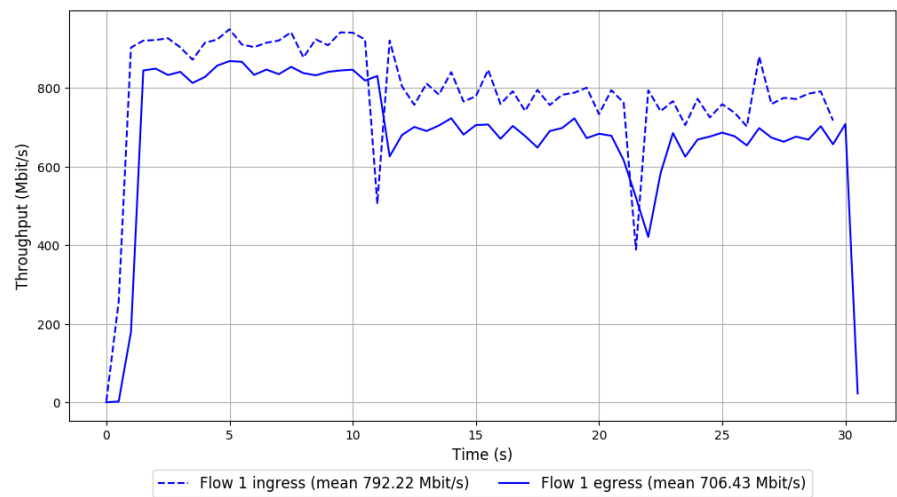
-- Flow 1:

Average throughput: 706.43 Mbit/s

95th percentile per-packet one-way delay: 156.227 ms

Loss rate: 10.83%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-05 14:23:54

End at: 2018-07-05 14:24:24

Local clock offset: 0.272 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-05 17:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.73 Mbit/s

95th percentile per-packet one-way delay: 251.558 ms

Loss rate: 8.51%

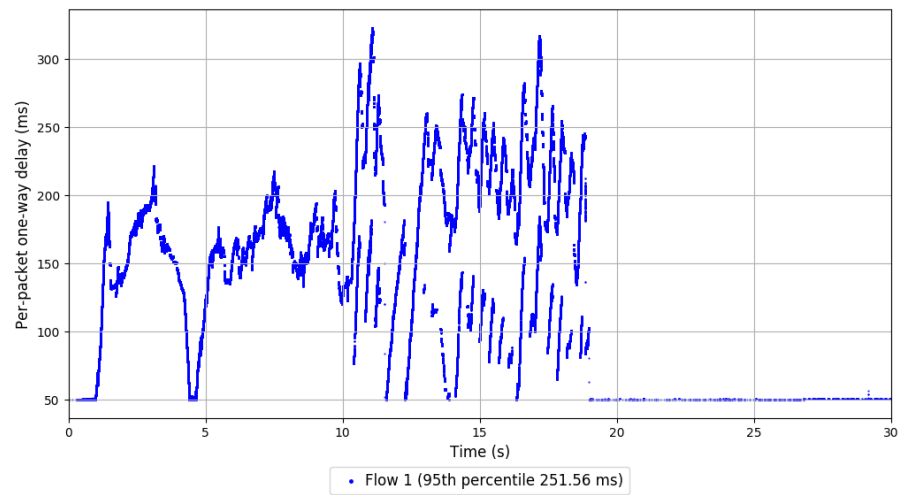
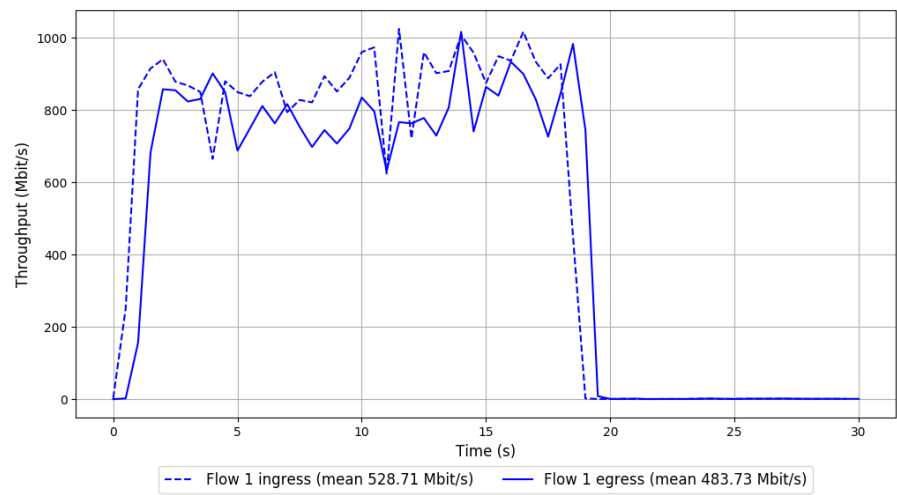
-- Flow 1:

Average throughput: 483.73 Mbit/s

95th percentile per-packet one-way delay: 251.558 ms

Loss rate: 8.51%

Run 5: Report of FillP-Sheep — Data Link

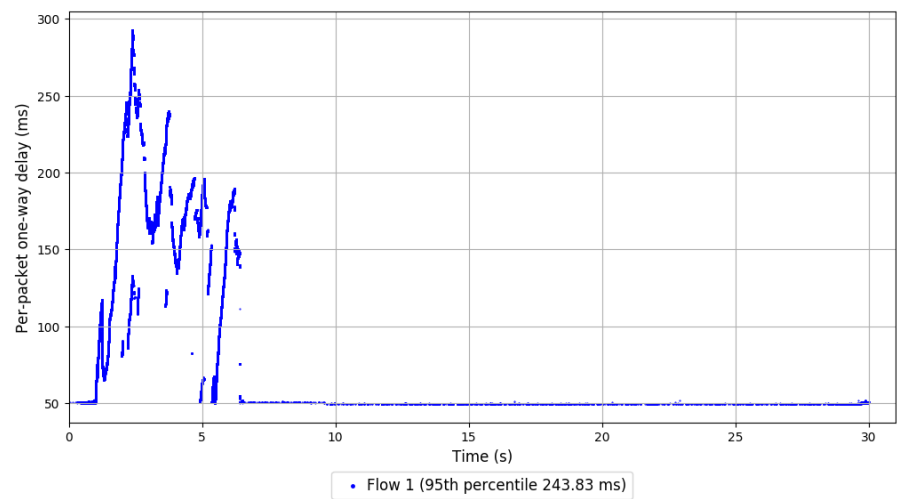
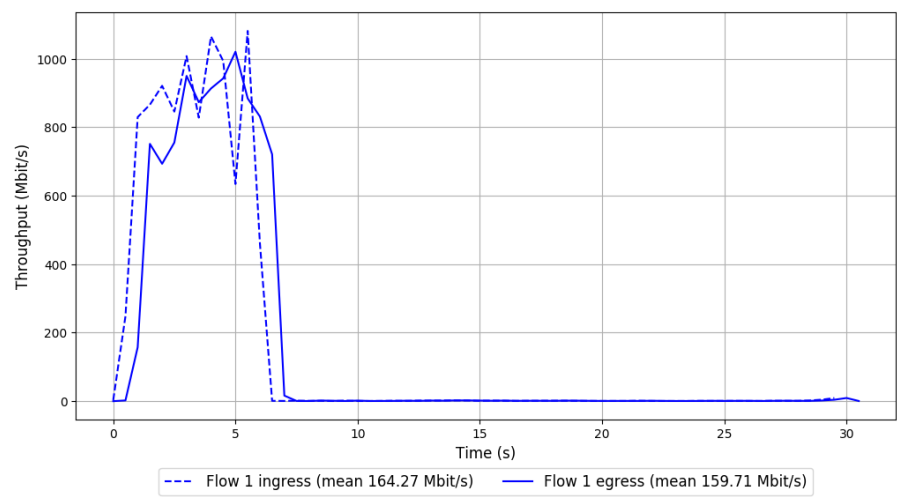


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-05 14:45:51
End at: 2018-07-05 14:46:21
Local clock offset: -0.029 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-05 17:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.71 Mbit/s
95th percentile per-packet one-way delay: 243.832 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 159.71 Mbit/s
95th percentile per-packet one-way delay: 243.832 ms
Loss rate: 2.78%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-05 15:07:09

End at: 2018-07-05 15:07:39

Local clock offset: -0.46 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-05 17:31:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 727.75 Mbit/s

95th percentile per-packet one-way delay: 182.896 ms

Loss rate: 12.04%

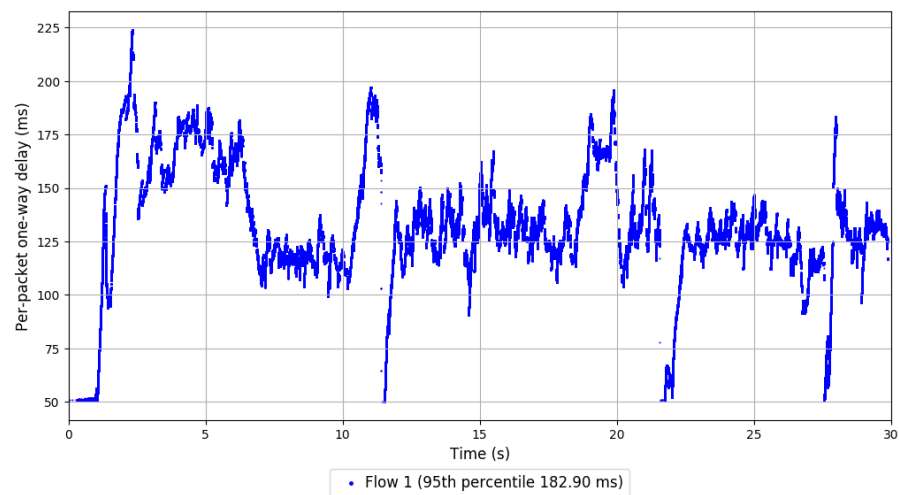
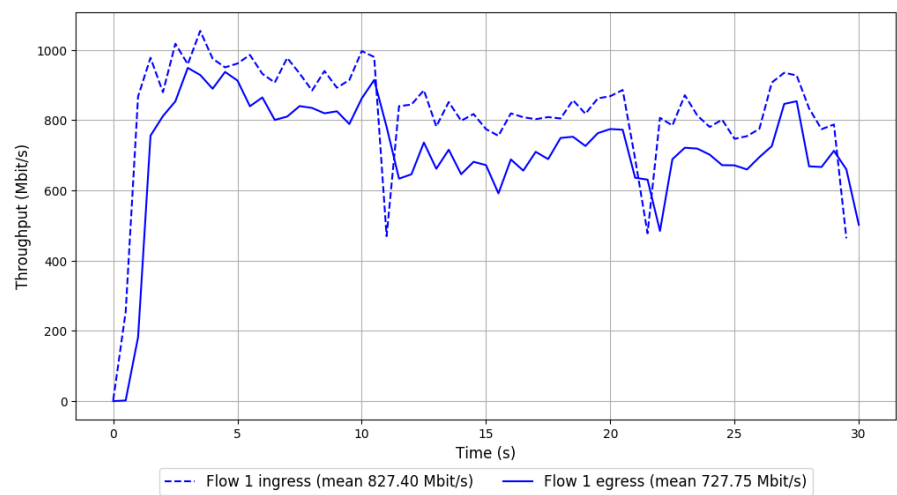
-- Flow 1:

Average throughput: 727.75 Mbit/s

95th percentile per-packet one-way delay: 182.896 ms

Loss rate: 12.04%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-05 15:29:11

End at: 2018-07-05 15:29:41

Local clock offset: 0.259 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-05 17:36:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 775.25 Mbit/s

95th percentile per-packet one-way delay: 246.928 ms

Loss rate: 13.59%

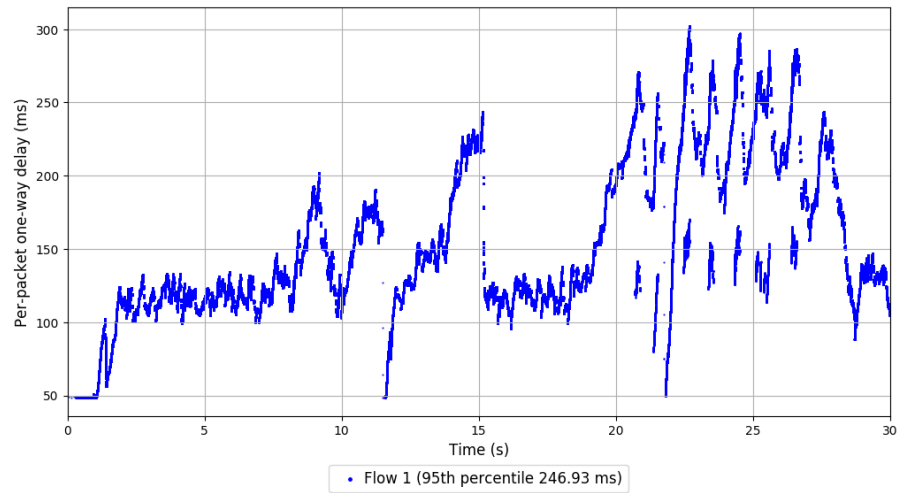
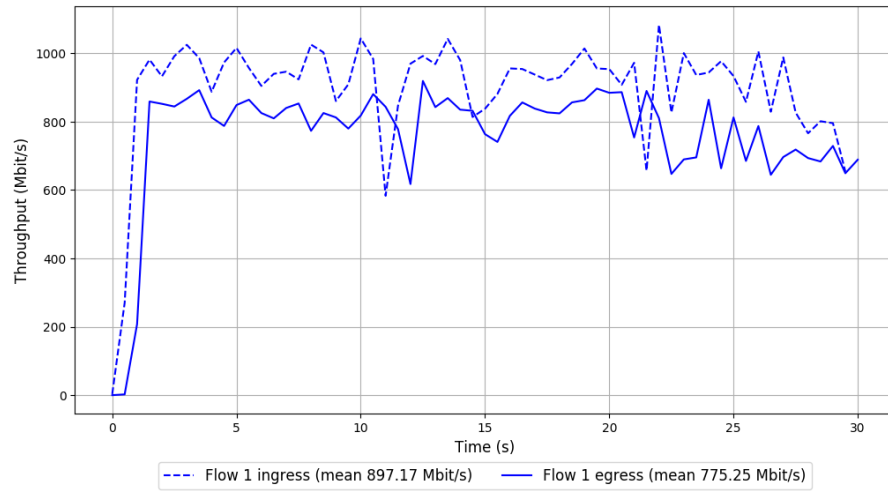
-- Flow 1:

Average throughput: 775.25 Mbit/s

95th percentile per-packet one-way delay: 246.928 ms

Loss rate: 13.59%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-05 15:51:18

End at: 2018-07-05 15:51:48

Local clock offset: -0.099 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-05 17:36:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 692.26 Mbit/s

95th percentile per-packet one-way delay: 141.283 ms

Loss rate: 11.20%

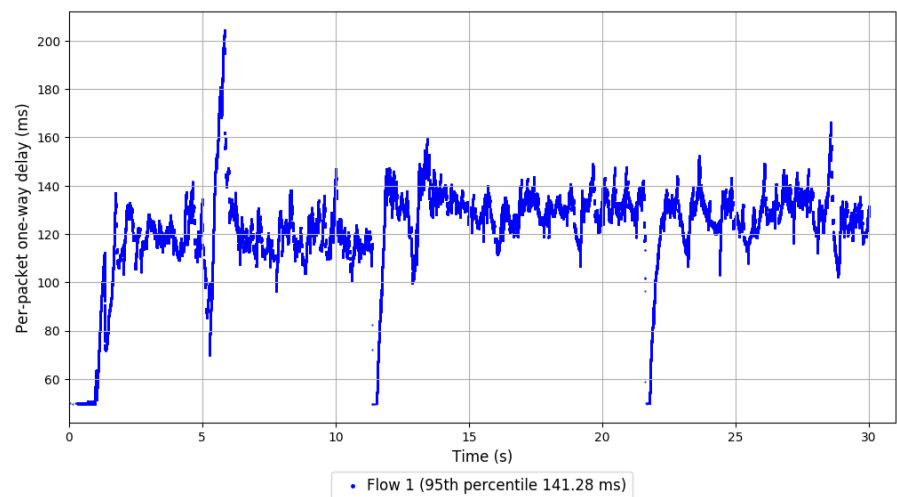
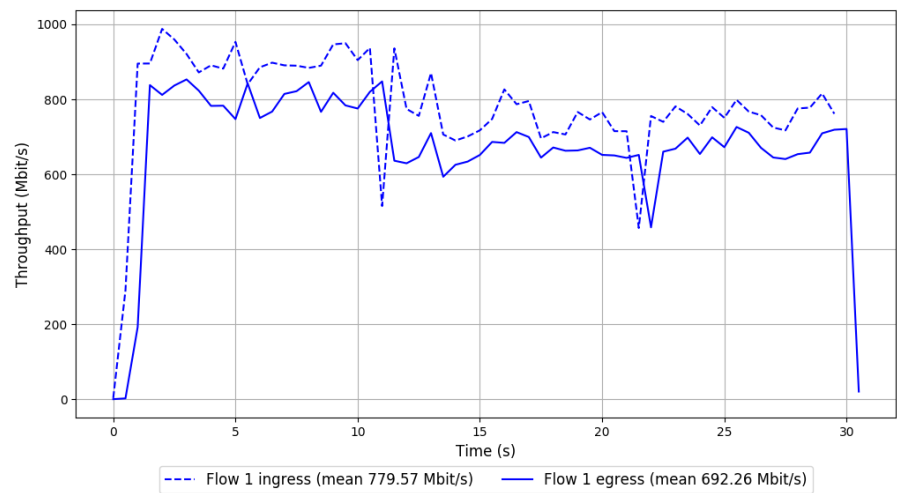
-- Flow 1:

Average throughput: 692.26 Mbit/s

95th percentile per-packet one-way delay: 141.283 ms

Loss rate: 11.20%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-05 16:13:05

End at: 2018-07-05 16:13:35

Local clock offset: -0.088 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 869.87 Mbit/s

95th percentile per-packet one-way delay: 247.385 ms

Loss rate: 5.16%

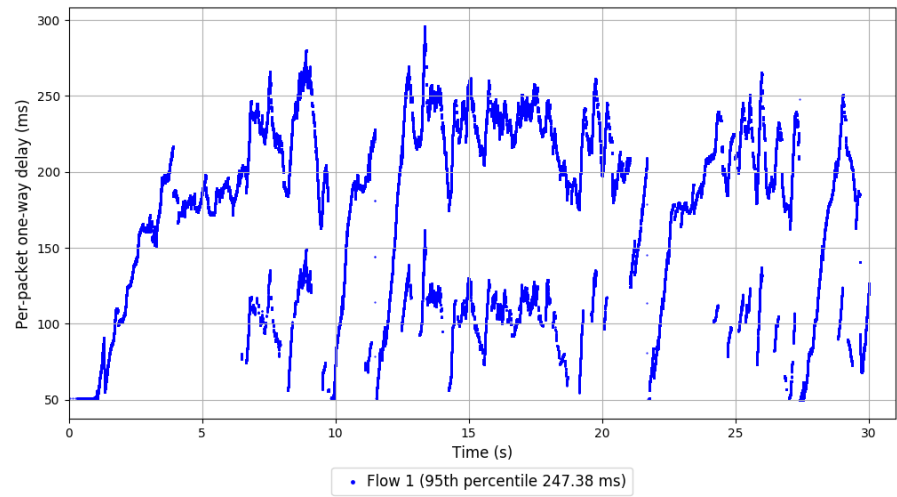
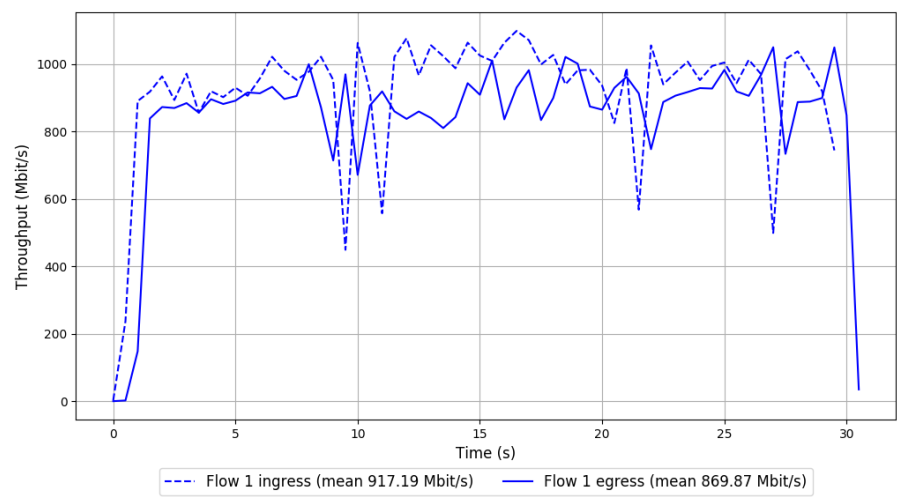
-- Flow 1:

Average throughput: 869.87 Mbit/s

95th percentile per-packet one-way delay: 247.385 ms

Loss rate: 5.16%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-05 12:51:31

End at: 2018-07-05 12:52:01

Local clock offset: -0.437 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.12 Mbit/s

95th percentile per-packet one-way delay: 51.544 ms

Loss rate: 0.00%

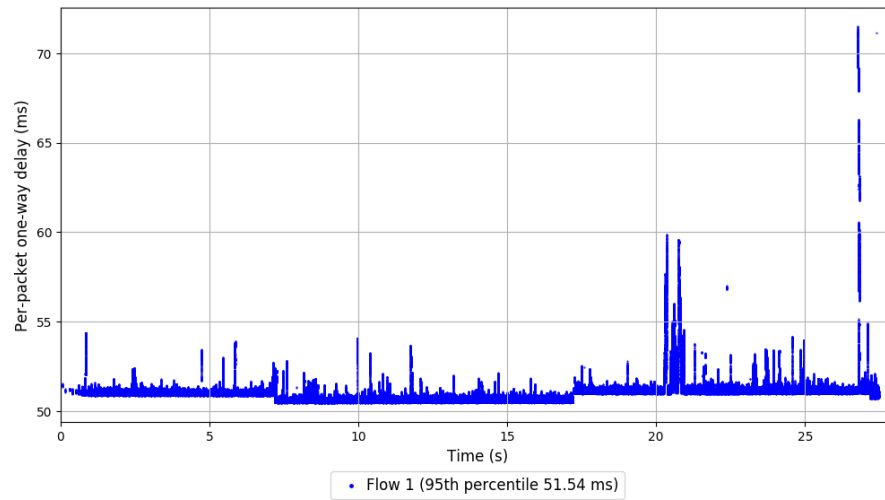
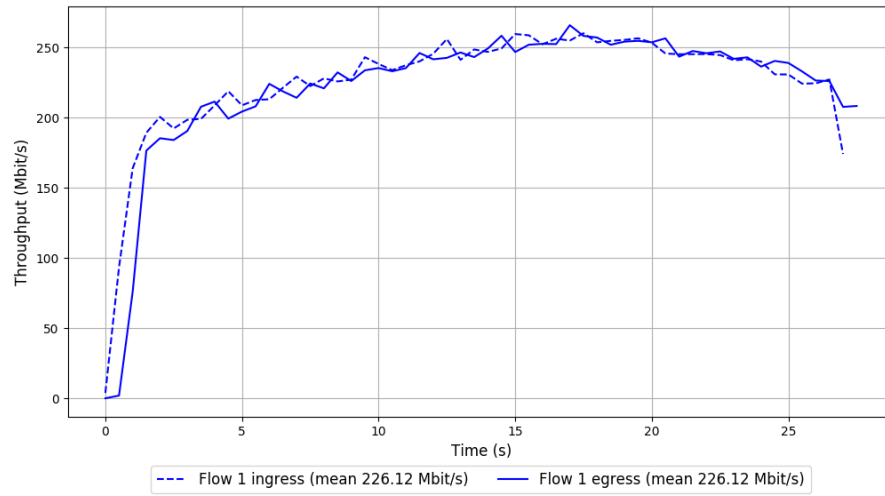
-- Flow 1:

Average throughput: 226.12 Mbit/s

95th percentile per-packet one-way delay: 51.544 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-05 13:13:29

End at: 2018-07-05 13:13:59

Local clock offset: -0.481 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.98 Mbit/s

95th percentile per-packet one-way delay: 51.748 ms

Loss rate: 0.00%

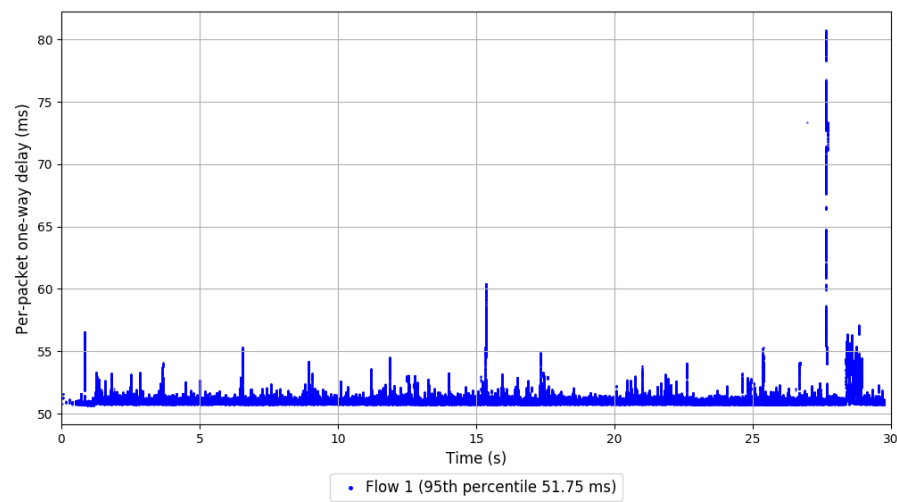
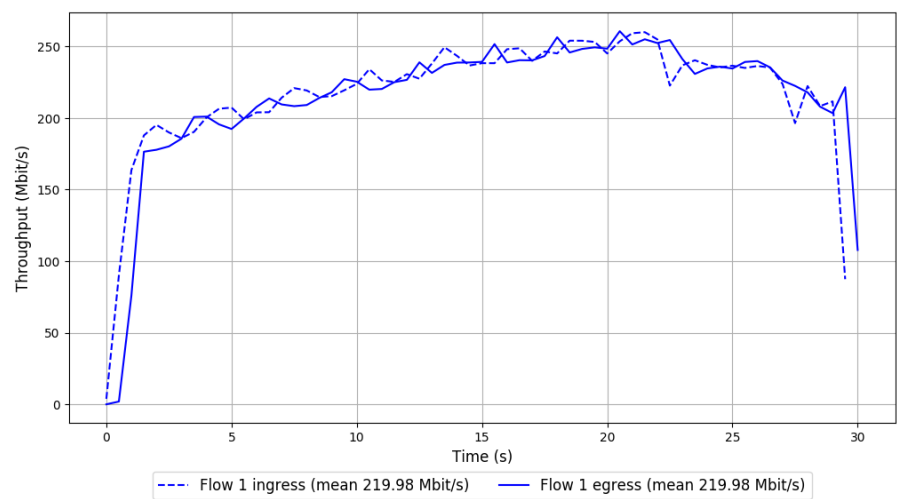
-- Flow 1:

Average throughput: 219.98 Mbit/s

95th percentile per-packet one-way delay: 51.748 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

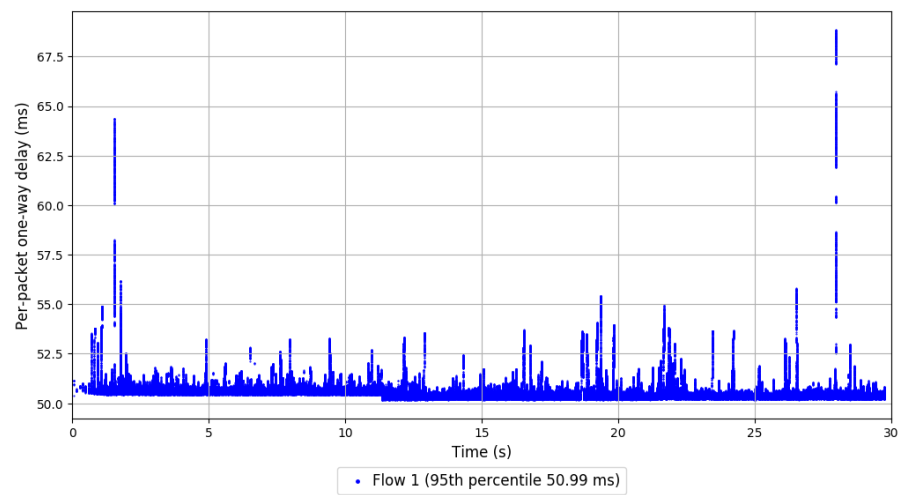
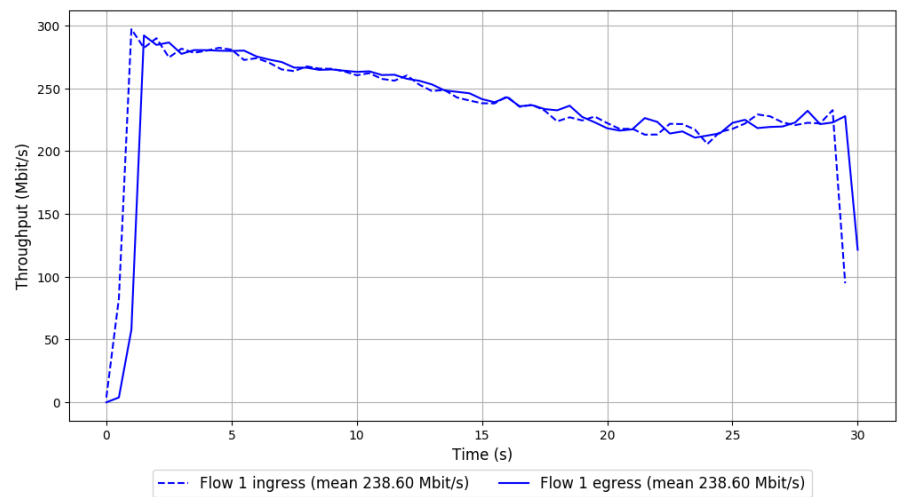


Run 3: Statistics of Indigo

Start at: 2018-07-05 13:35:39
End at: 2018-07-05 13:36:09
Local clock offset: -0.095 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-05 17:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.60 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.60 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-05 13:57:37

End at: 2018-07-05 13:58:07

Local clock offset: -0.499 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 51.478 ms

Loss rate: 0.00%

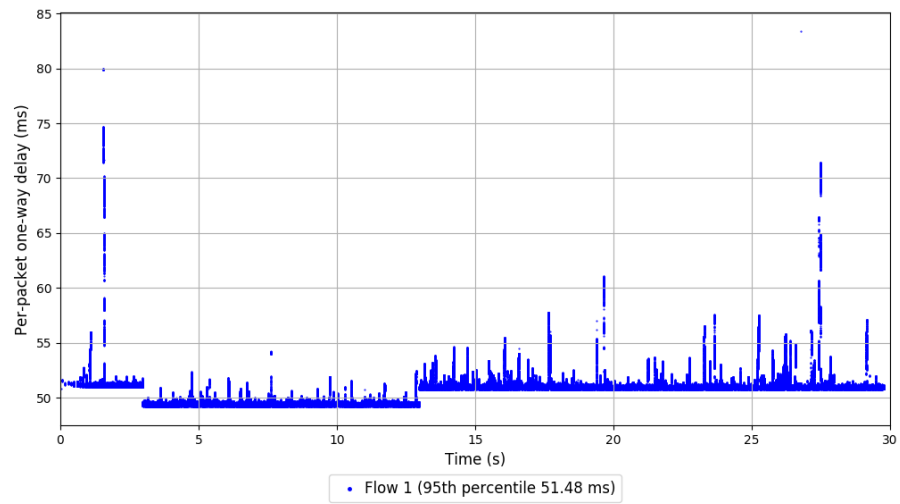
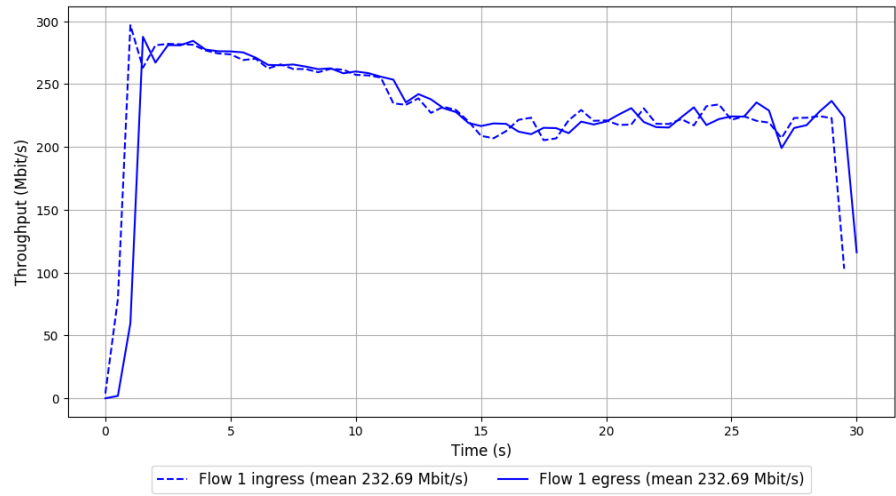
-- Flow 1:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 51.478 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

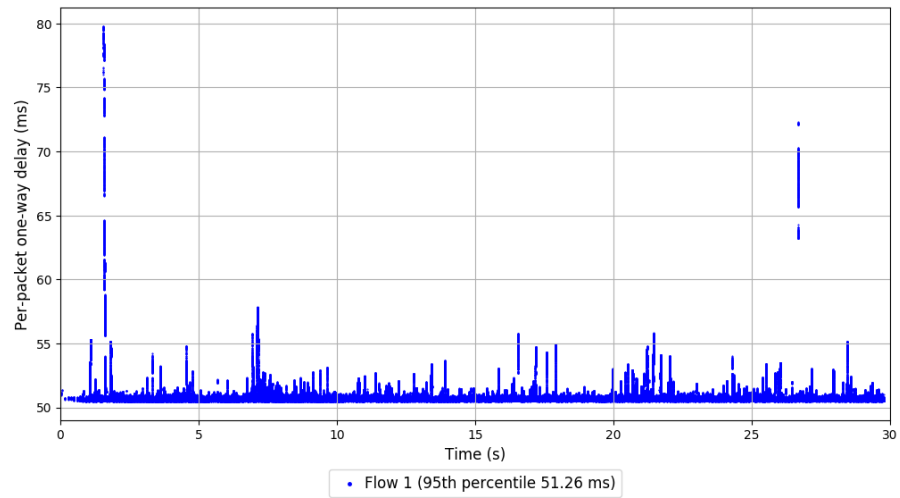
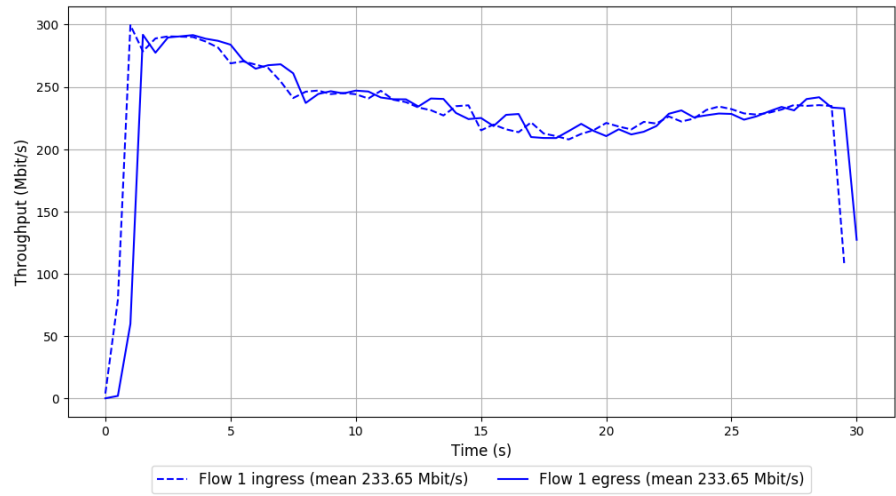


Run 5: Statistics of Indigo

Start at: 2018-07-05 14:19:54
End at: 2018-07-05 14:20:24
Local clock offset: -0.475 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-05 17:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.65 Mbit/s
95th percentile per-packet one-way delay: 51.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.65 Mbit/s
95th percentile per-packet one-way delay: 51.255 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

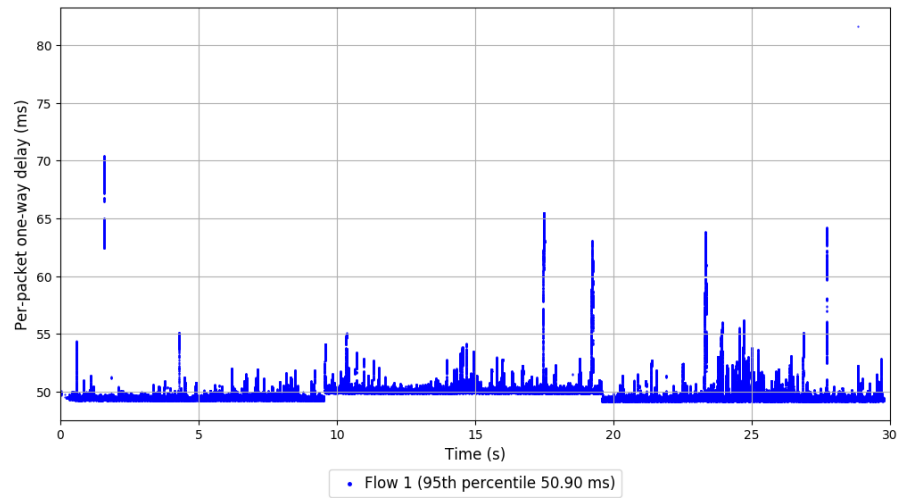
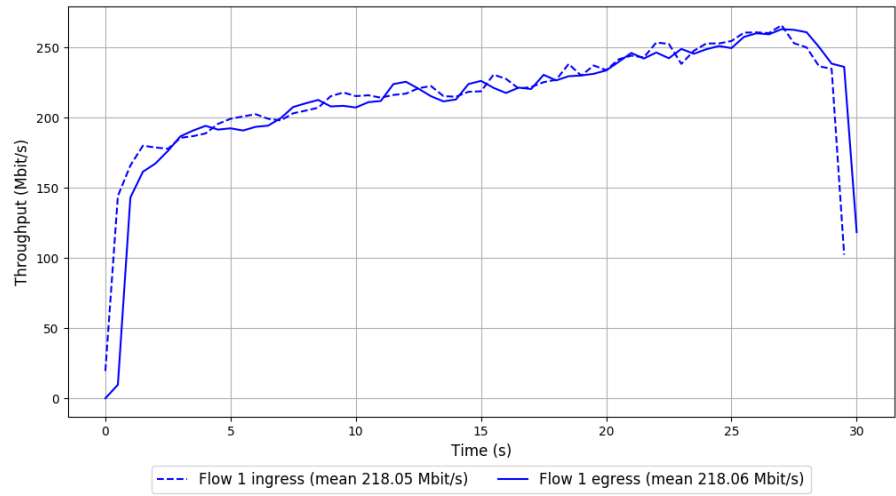


Run 6: Statistics of Indigo

Start at: 2018-07-05 14:41:51
End at: 2018-07-05 14:42:21
Local clock offset: 0.25 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-05 17:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.06 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.06 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-05 15:03:12

End at: 2018-07-05 15:03:43

Local clock offset: -0.12 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 50.662 ms

Loss rate: 0.00%

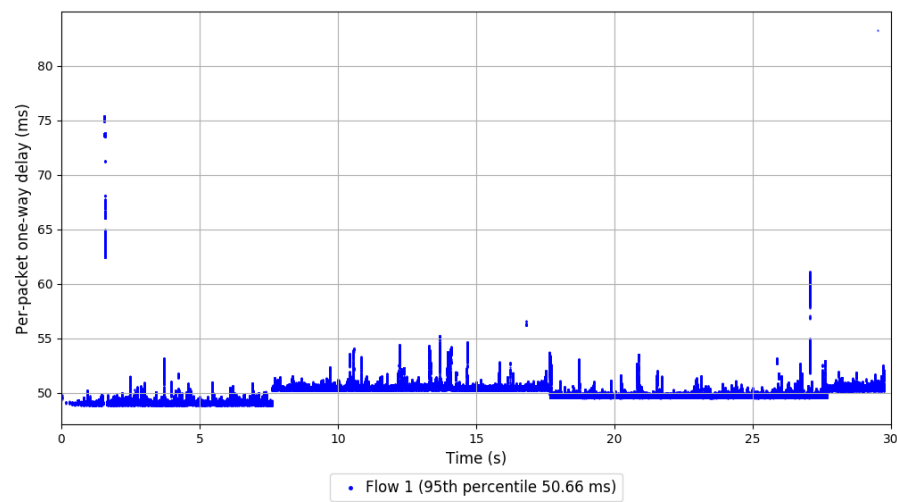
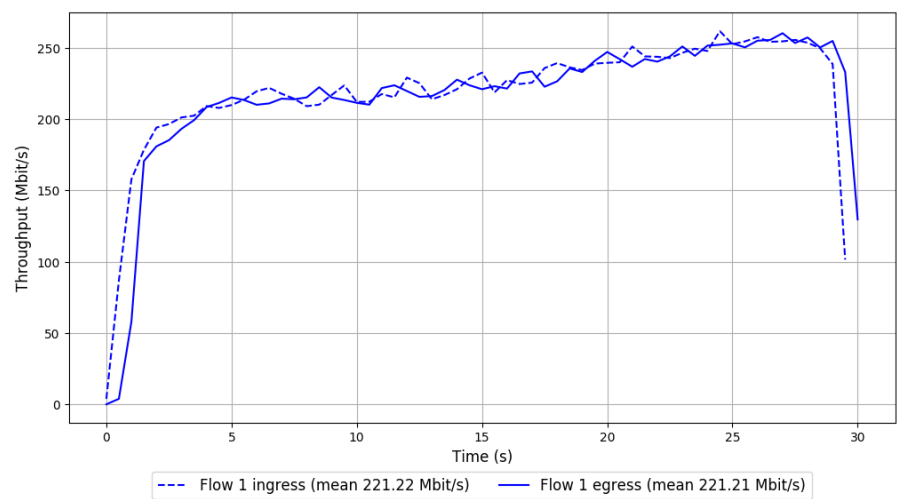
-- Flow 1:

Average throughput: 221.21 Mbit/s

95th percentile per-packet one-way delay: 50.662 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

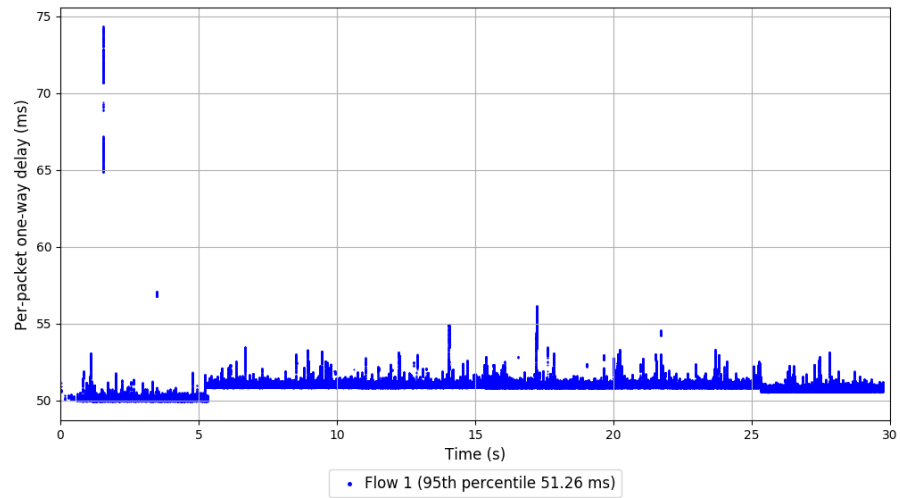
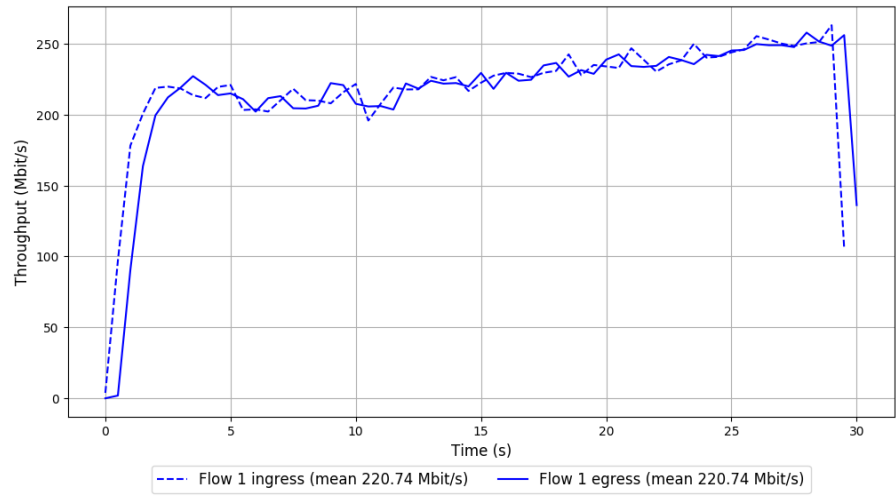


Run 8: Statistics of Indigo

Start at: 2018-07-05 15:25:15
End at: 2018-07-05 15:25:45
Local clock offset: -0.489 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-05 17:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.74 Mbit/s
95th percentile per-packet one-way delay: 51.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.74 Mbit/s
95th percentile per-packet one-way delay: 51.259 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-05 15:47:19

End at: 2018-07-05 15:47:49

Local clock offset: -0.429 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.33 Mbit/s

95th percentile per-packet one-way delay: 50.680 ms

Loss rate: 0.00%

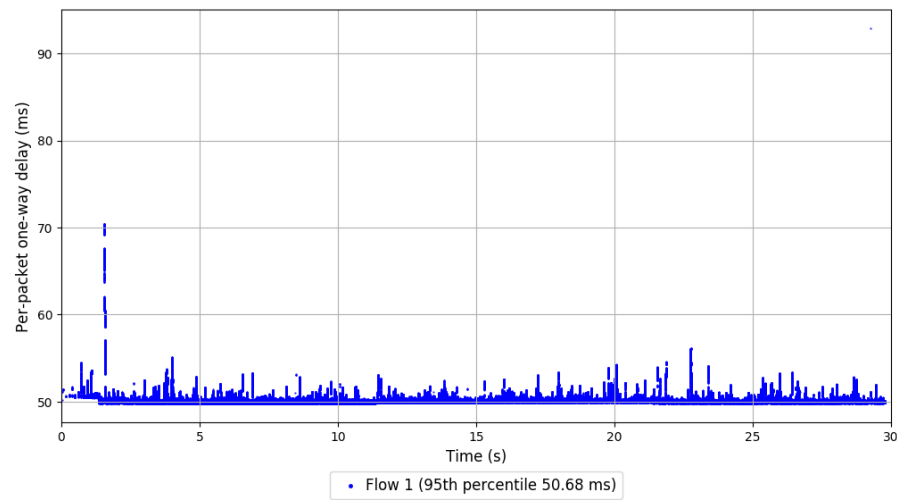
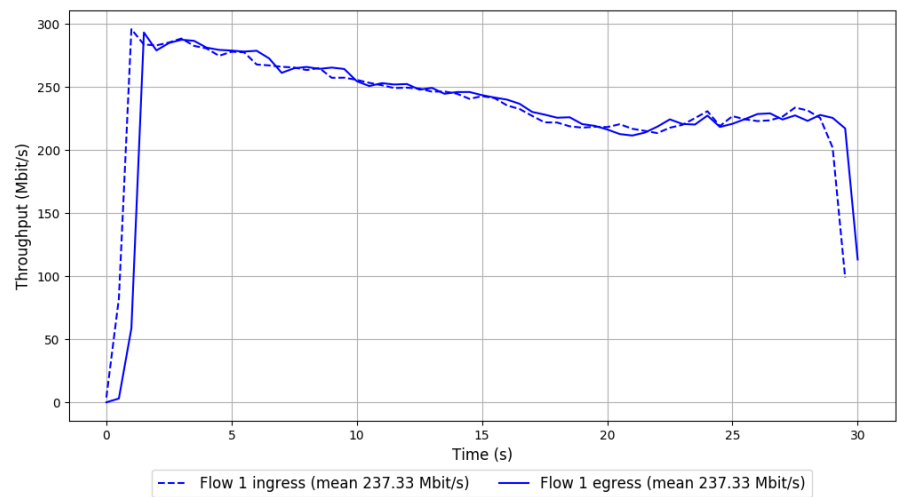
-- Flow 1:

Average throughput: 237.33 Mbit/s

95th percentile per-packet one-way delay: 50.680 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-05 16:09:07

End at: 2018-07-05 16:09:37

Local clock offset: -0.038 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.80 Mbit/s

95th percentile per-packet one-way delay: 50.605 ms

Loss rate: 0.00%

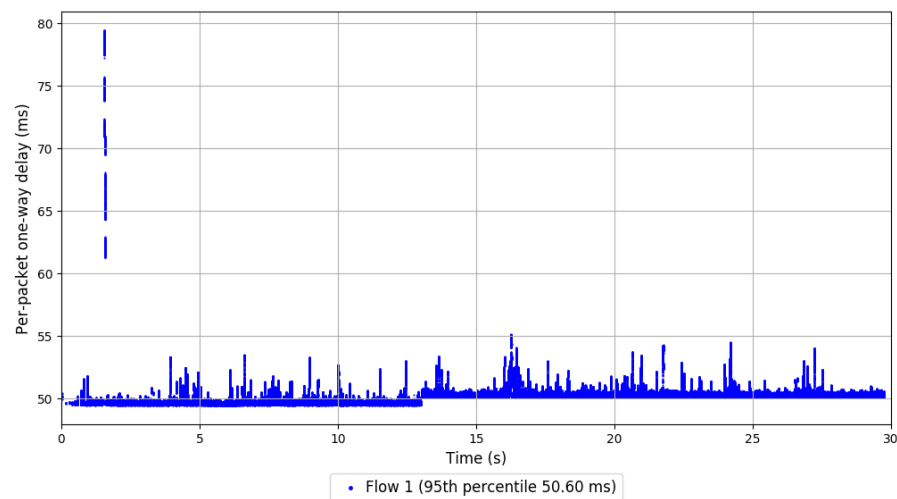
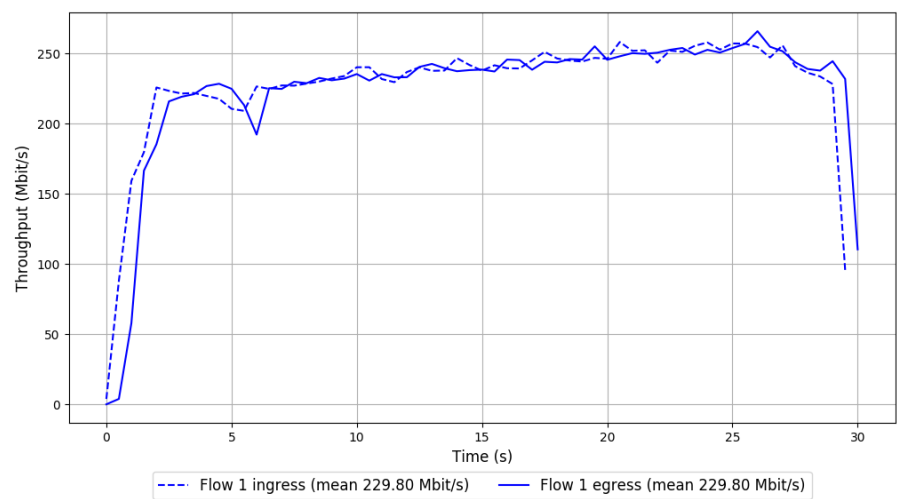
-- Flow 1:

Average throughput: 229.80 Mbit/s

95th percentile per-packet one-way delay: 50.605 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

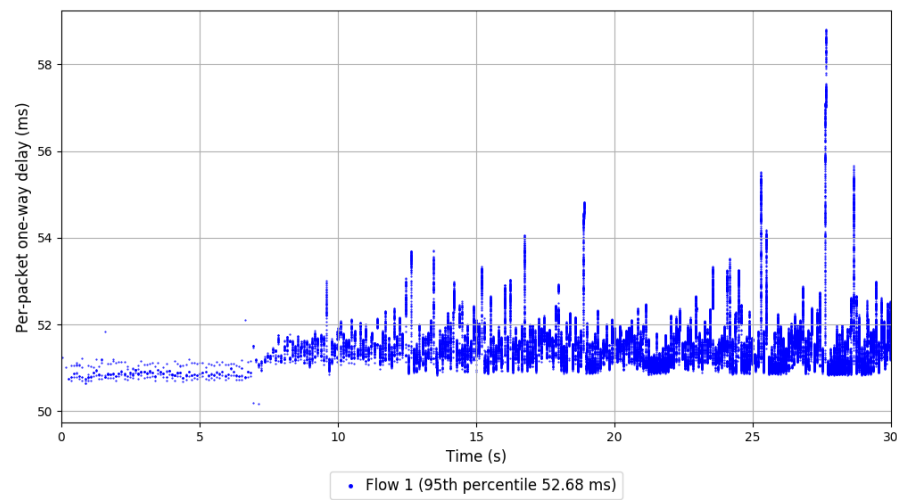
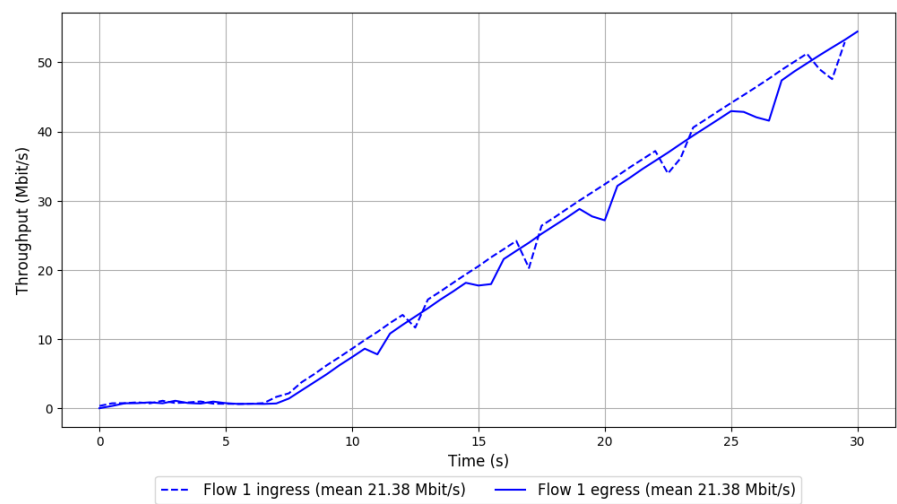


Run 1: Statistics of LEDBAT

Start at: 2018-07-05 12:57:04
End at: 2018-07-05 12:57:34
Local clock offset: -0.448 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-05 17:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 52.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 52.680 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-05 13:19:06

End at: 2018-07-05 13:19:36

Local clock offset: -0.458 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 52.450 ms

Loss rate: 0.00%

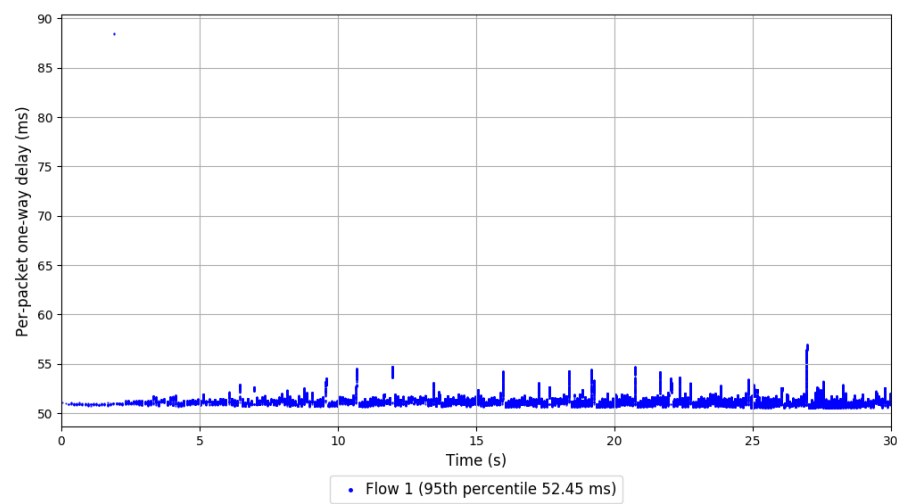
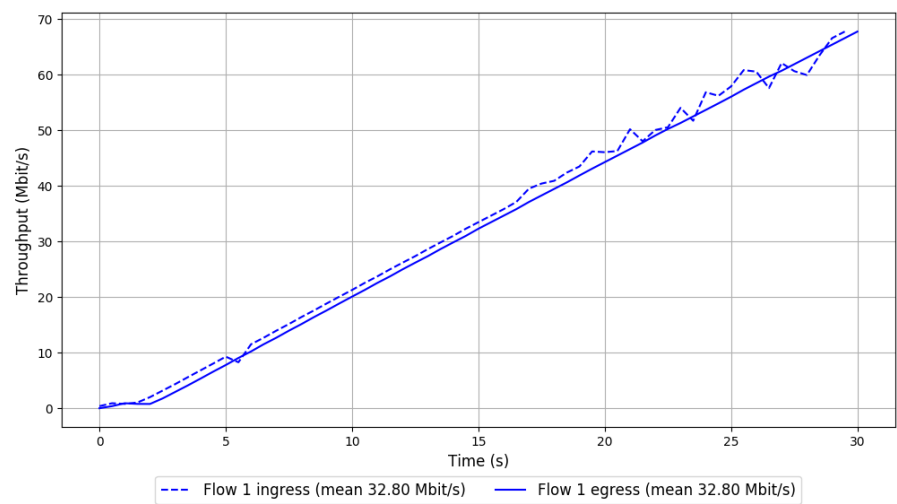
-- Flow 1:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 52.450 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-05 13:40:59

End at: 2018-07-05 13:41:29

Local clock offset: -0.082 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.00%

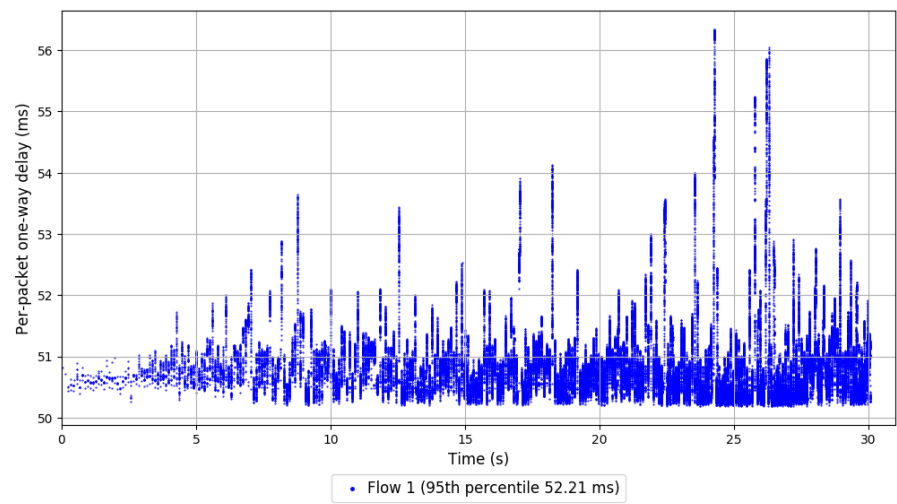
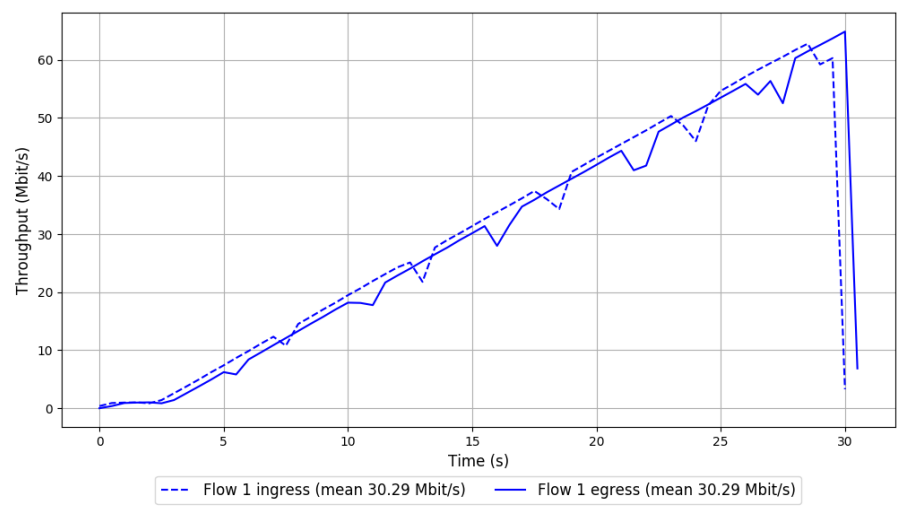
-- Flow 1:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-05 14:03:12

End at: 2018-07-05 14:03:42

Local clock offset: -0.117 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.98 Mbit/s

95th percentile per-packet one-way delay: 52.308 ms

Loss rate: 0.00%

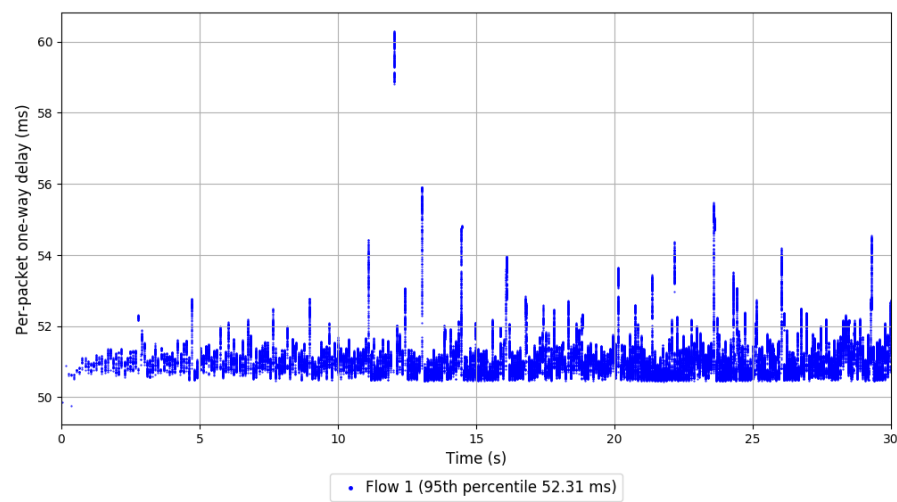
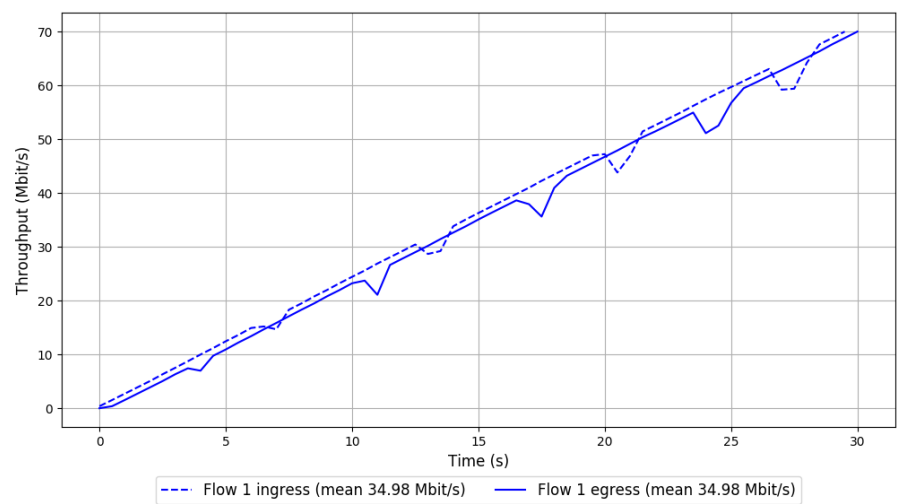
-- Flow 1:

Average throughput: 34.98 Mbit/s

95th percentile per-packet one-way delay: 52.308 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-05 14:25:18

End at: 2018-07-05 14:25:48

Local clock offset: -0.472 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 52.279 ms

Loss rate: 0.00%

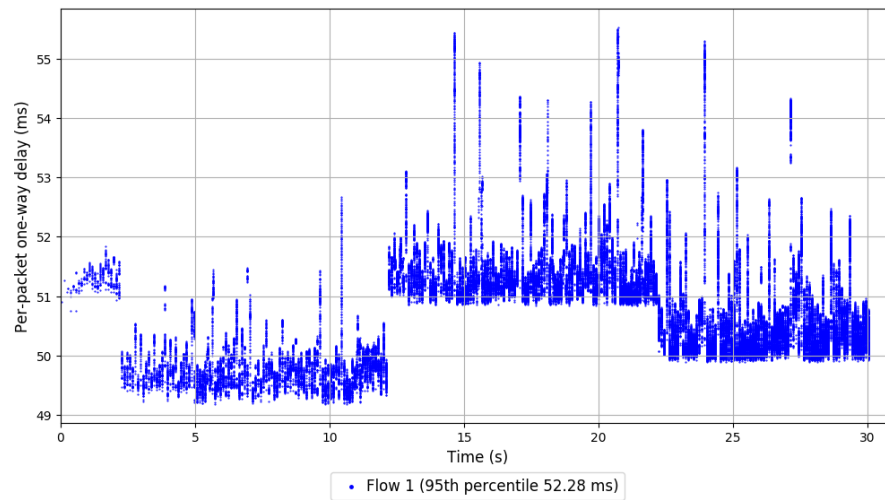
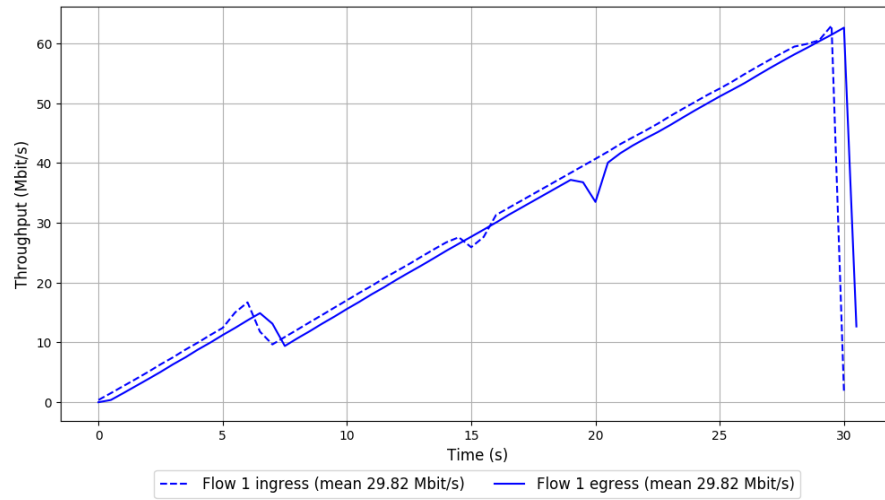
-- Flow 1:

Average throughput: 29.82 Mbit/s

95th percentile per-packet one-way delay: 52.279 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-05 14:47:02

End at: 2018-07-05 14:47:32

Local clock offset: -0.087 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.91 Mbit/s

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

Loss rate: 0.00%

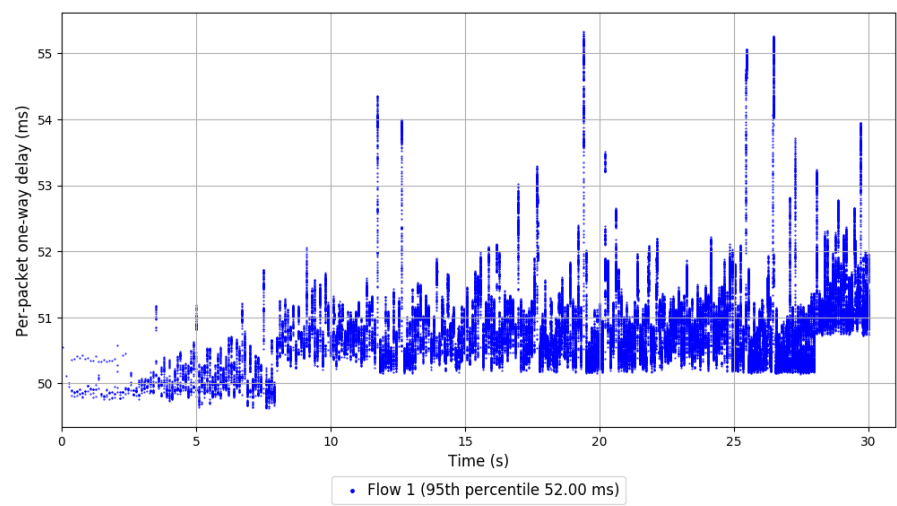
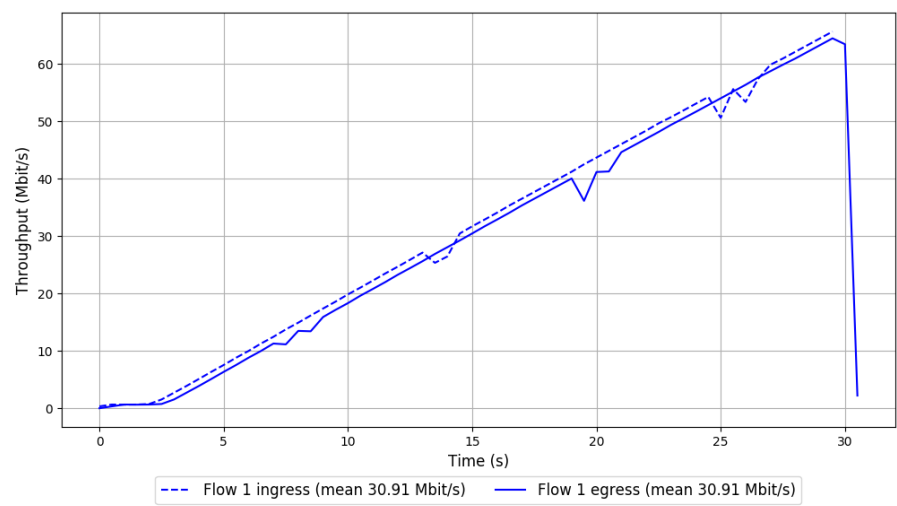
-- Flow 1:

Average throughput: 30.91 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-05 15:08:43

End at: 2018-07-05 15:09:13

Local clock offset: -0.514 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.35 Mbit/s

95th percentile per-packet one-way delay: 52.008 ms

Loss rate: 0.00%

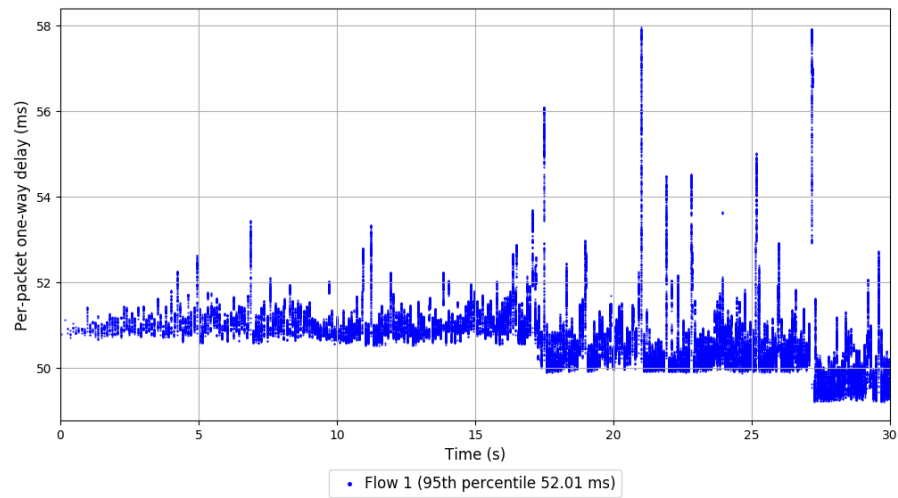
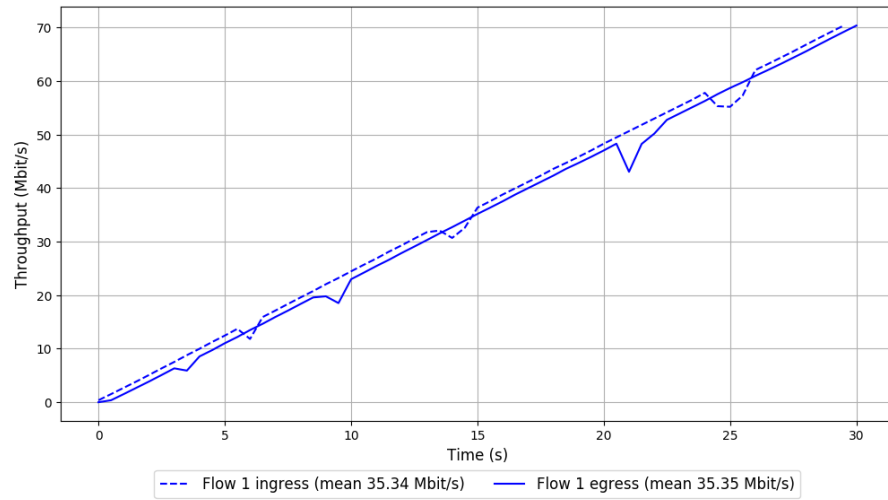
-- Flow 1:

Average throughput: 35.35 Mbit/s

95th percentile per-packet one-way delay: 52.008 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

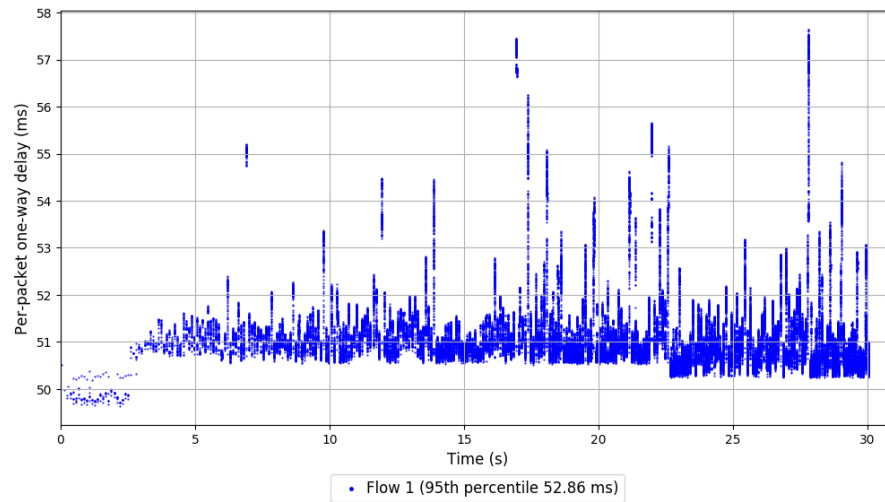
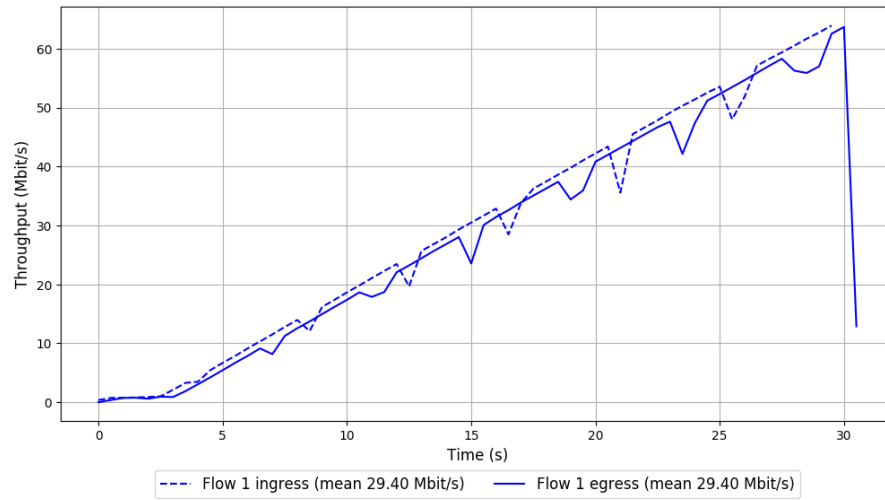


Run 8: Statistics of LEDBAT

Start at: 2018-07-05 15:30:48
End at: 2018-07-05 15:31:18
Local clock offset: -0.118 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-05 17:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 52.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 52.857 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-05 15:52:51

End at: 2018-07-05 15:53:21

Local clock offset: -0.11 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-05 17:43:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 52.088 ms

Loss rate: 0.01%

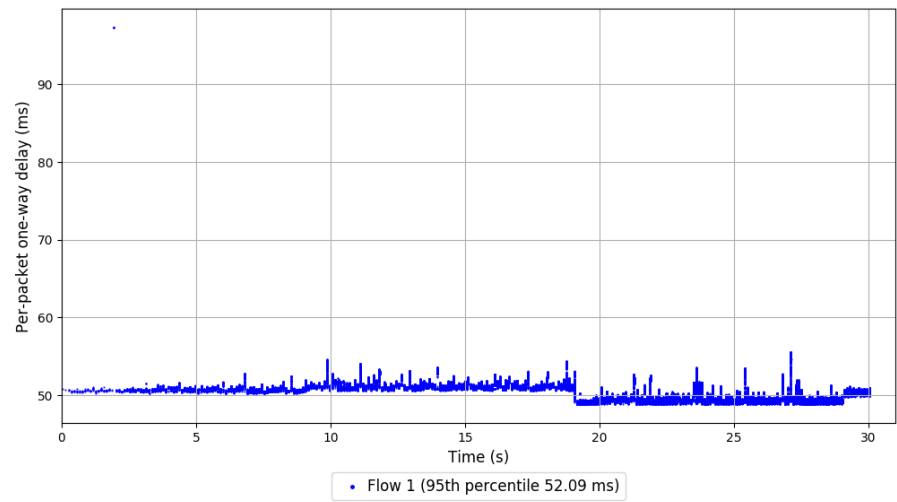
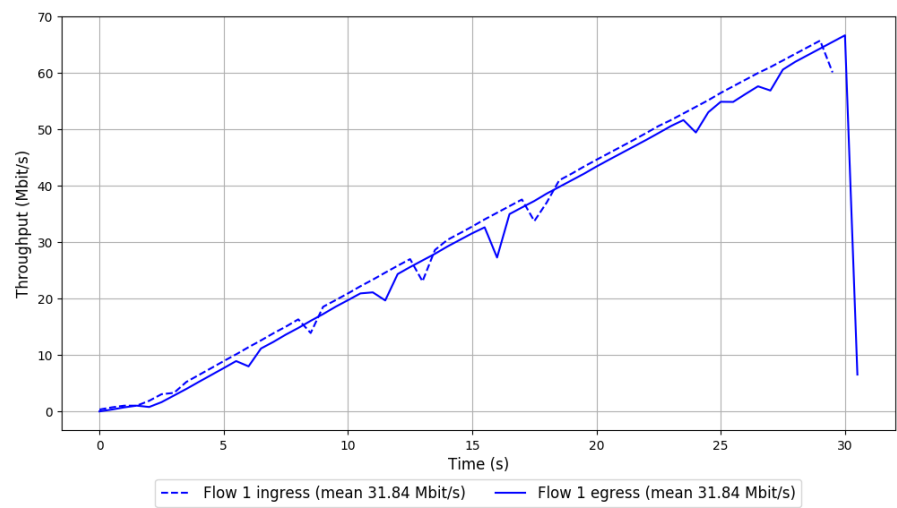
-- Flow 1:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 52.088 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-05 16:14:45

End at: 2018-07-05 16:15:15

Local clock offset: -0.061 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-05 17:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 52.253 ms

Loss rate: 0.00%

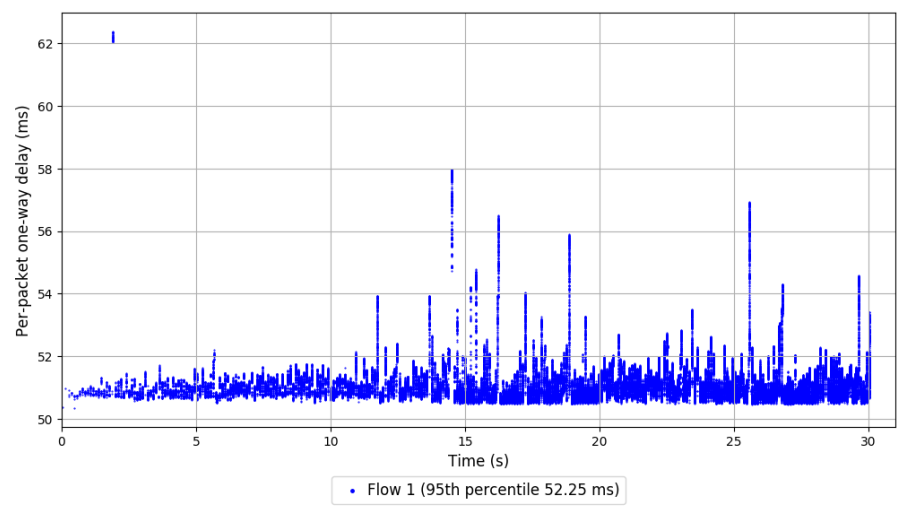
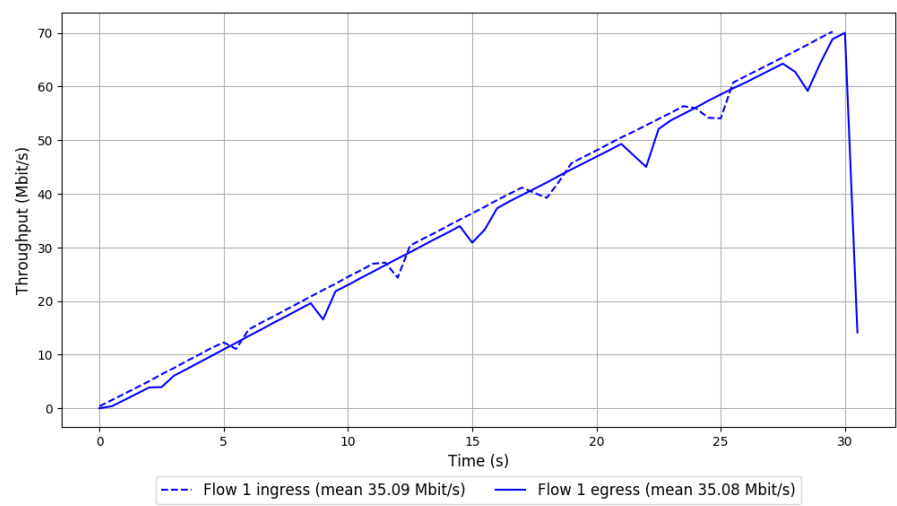
-- Flow 1:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 52.253 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-05 13:01:47

End at: 2018-07-05 13:02:17

Local clock offset: -0.437 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-05 17:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.14 Mbit/s

95th percentile per-packet one-way delay: 108.238 ms

Loss rate: 0.81%

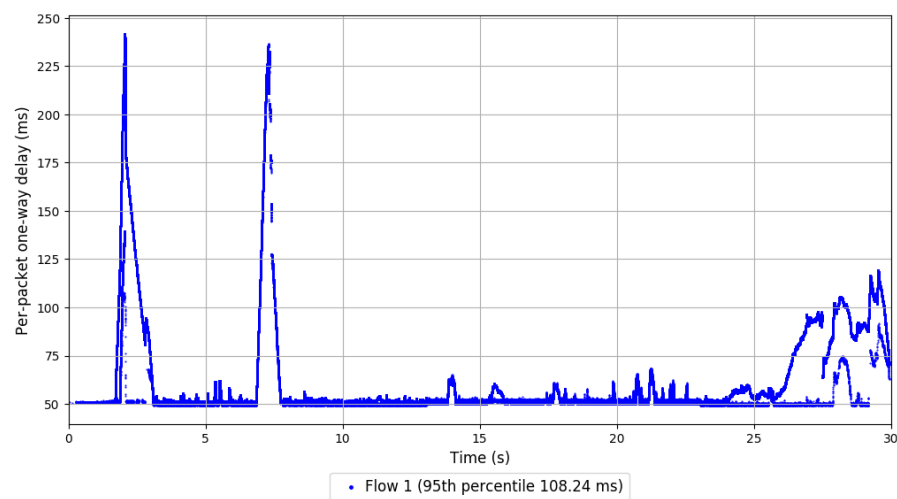
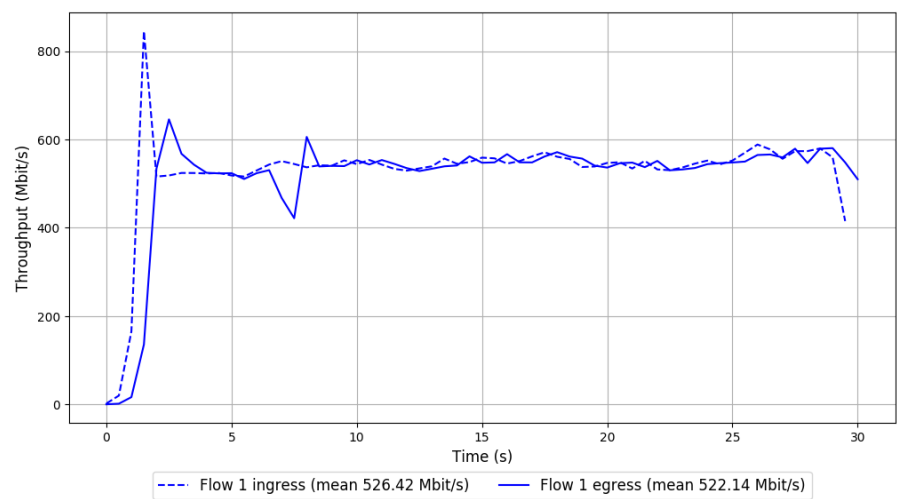
-- Flow 1:

Average throughput: 522.14 Mbit/s

95th percentile per-packet one-way delay: 108.238 ms

Loss rate: 0.81%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-05 13:23:58

End at: 2018-07-05 13:24:28

Local clock offset: -0.096 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-05 17:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.94 Mbit/s

95th percentile per-packet one-way delay: 142.790 ms

Loss rate: 1.12%

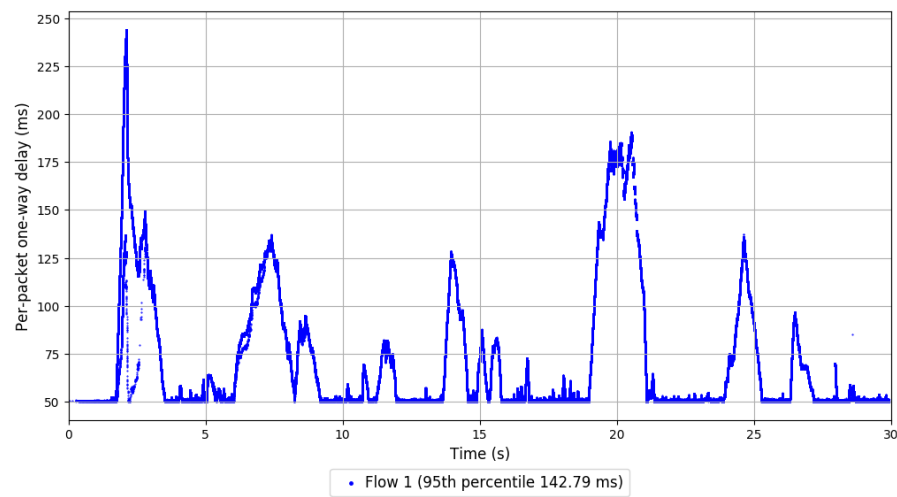
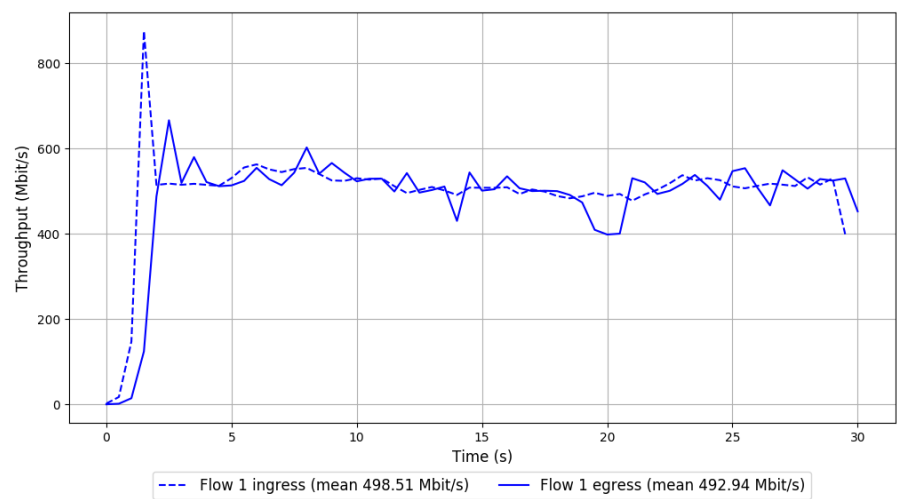
-- Flow 1:

Average throughput: 492.94 Mbit/s

95th percentile per-packet one-way delay: 142.790 ms

Loss rate: 1.12%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-05 13:45:48

End at: 2018-07-05 13:46:18

Local clock offset: -0.123 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-05 17:44:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.20 Mbit/s

95th percentile per-packet one-way delay: 235.359 ms

Loss rate: 2.44%

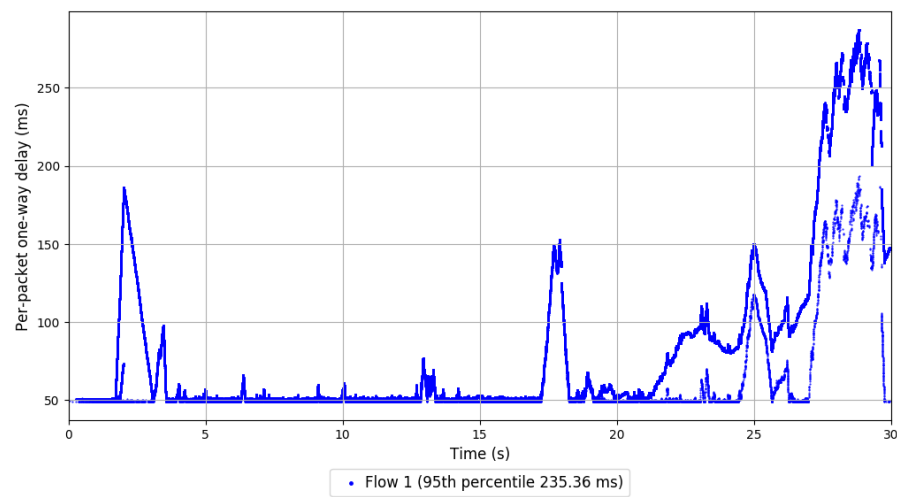
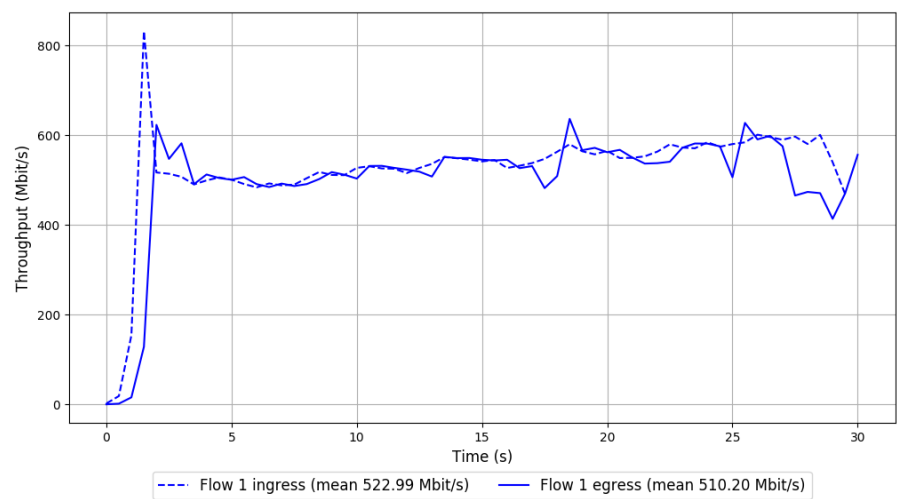
-- Flow 1:

Average throughput: 510.20 Mbit/s

95th percentile per-packet one-way delay: 235.359 ms

Loss rate: 2.44%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-05 14:08:08

End at: 2018-07-05 14:08:38

Local clock offset: -0.151 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-05 17:44:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.01 Mbit/s

95th percentile per-packet one-way delay: 84.734 ms

Loss rate: 0.14%

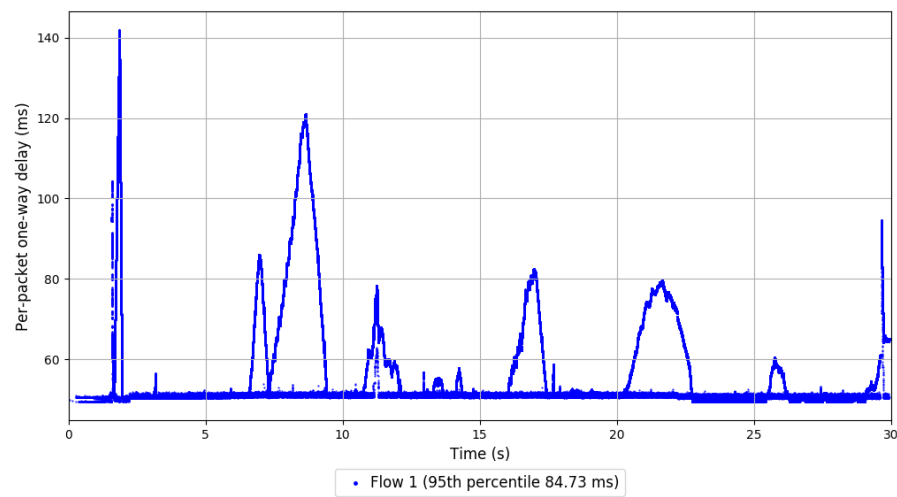
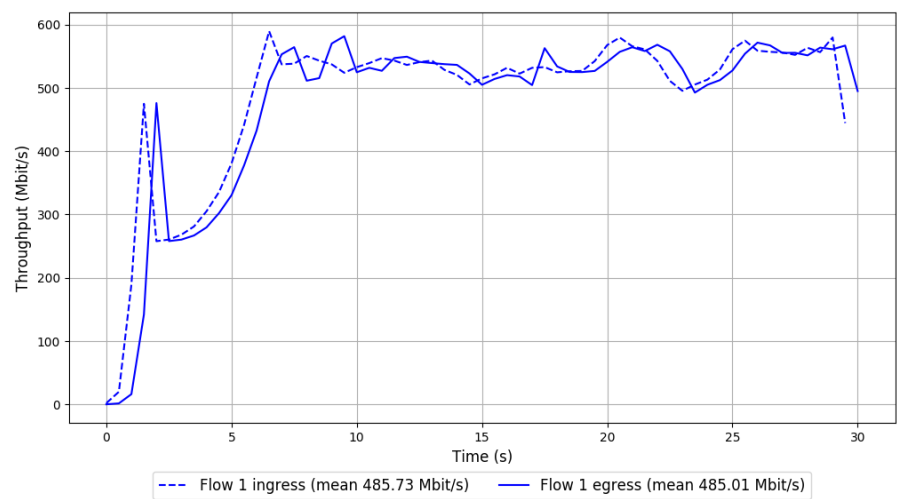
-- Flow 1:

Average throughput: 485.01 Mbit/s

95th percentile per-packet one-way delay: 84.734 ms

Loss rate: 0.14%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-05 14:30:08

End at: 2018-07-05 14:30:38

Local clock offset: -0.09 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-05 17:45:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.40 Mbit/s

95th percentile per-packet one-way delay: 78.829 ms

Loss rate: 0.94%

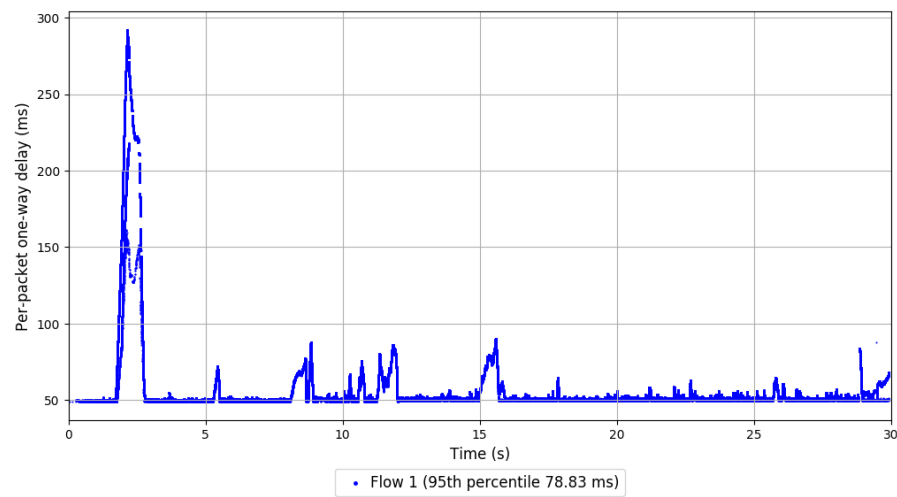
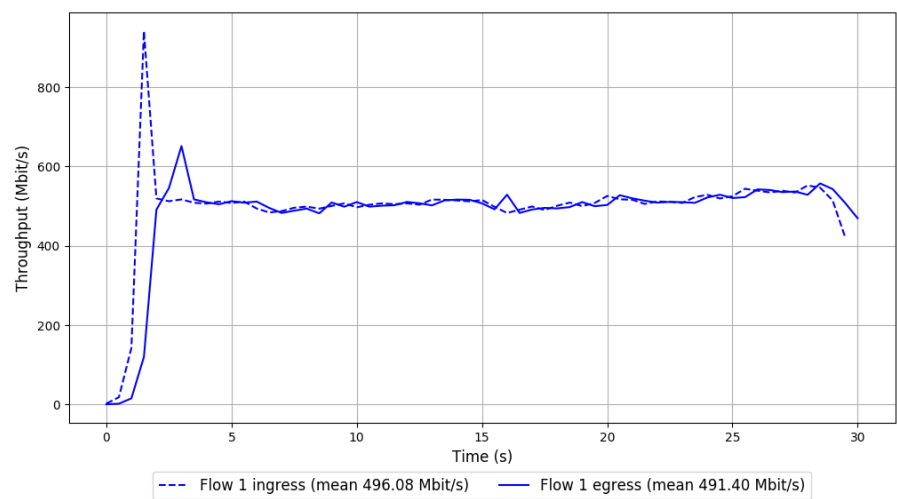
-- Flow 1:

Average throughput: 491.40 Mbit/s

95th percentile per-packet one-way delay: 78.829 ms

Loss rate: 0.94%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-05 14:51:47

End at: 2018-07-05 14:52:17

Local clock offset: -0.443 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-05 17:45:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.39 Mbit/s

95th percentile per-packet one-way delay: 136.364 ms

Loss rate: 0.37%

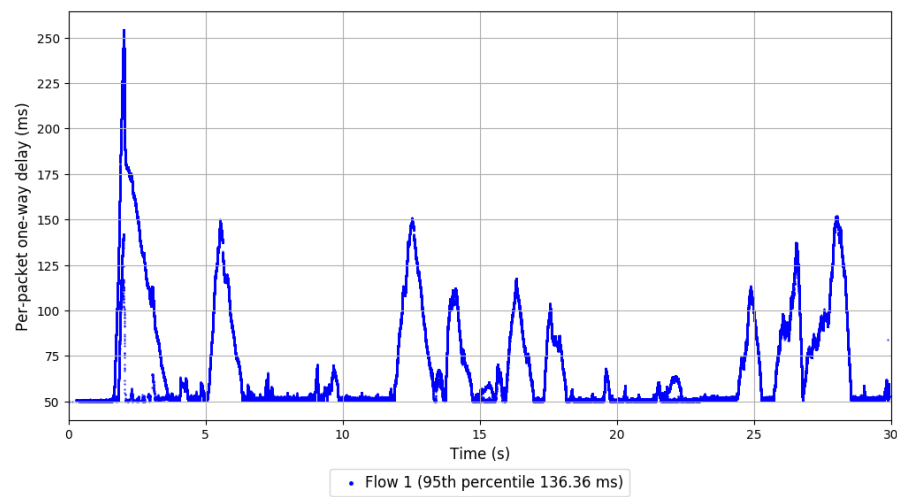
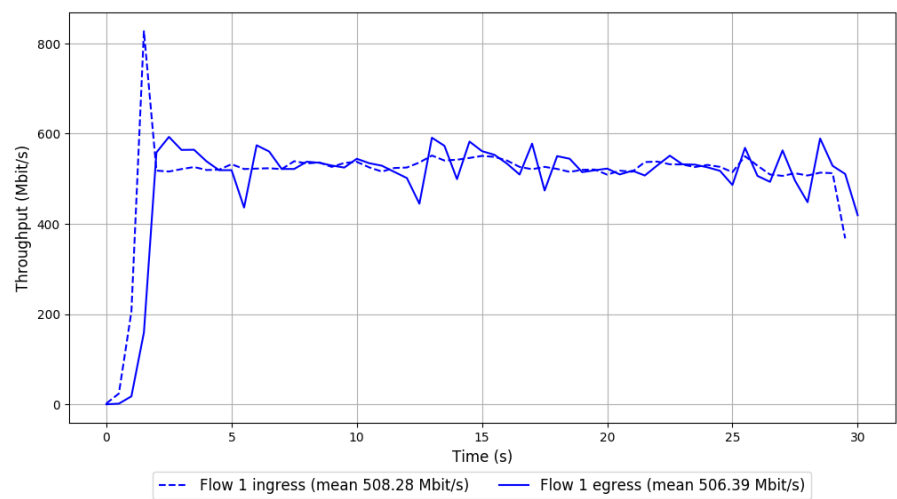
-- Flow 1:

Average throughput: 506.39 Mbit/s

95th percentile per-packet one-way delay: 136.364 ms

Loss rate: 0.37%

Run 6: Report of PCC-Allegro — Data Link

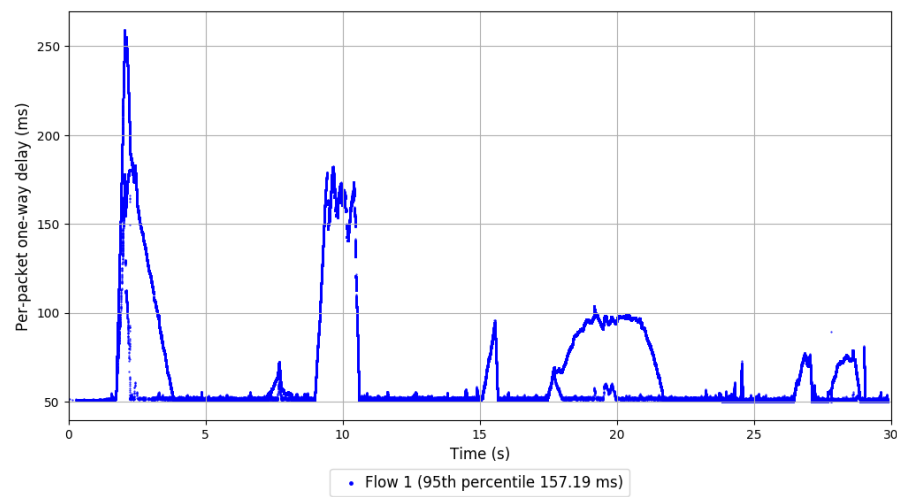
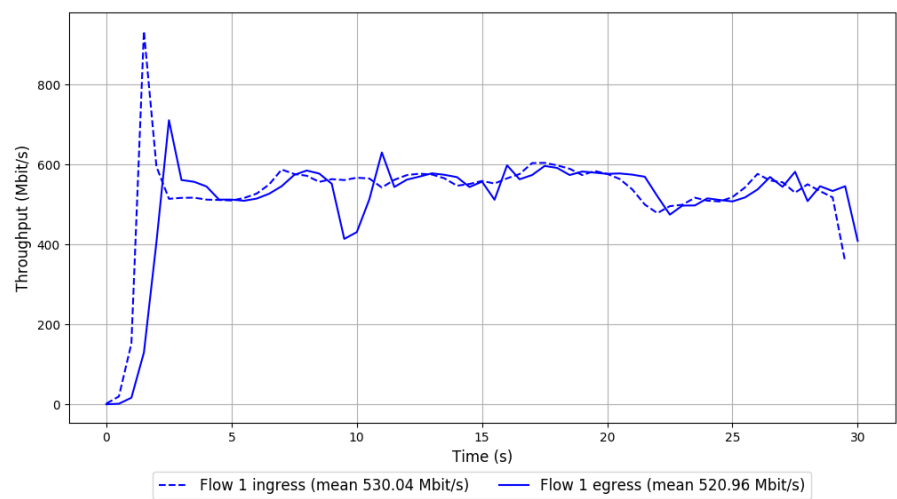


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-05 15:13:36
End at: 2018-07-05 15:14:06
Local clock offset: -0.492 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-05 17:46:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 520.96 Mbit/s
95th percentile per-packet one-way delay: 157.194 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 520.96 Mbit/s
95th percentile per-packet one-way delay: 157.194 ms
Loss rate: 1.72%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-05 15:35:39

End at: 2018-07-05 15:36:09

Local clock offset: -0.407 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-05 17:52:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.54 Mbit/s

95th percentile per-packet one-way delay: 165.871 ms

Loss rate: 2.29%

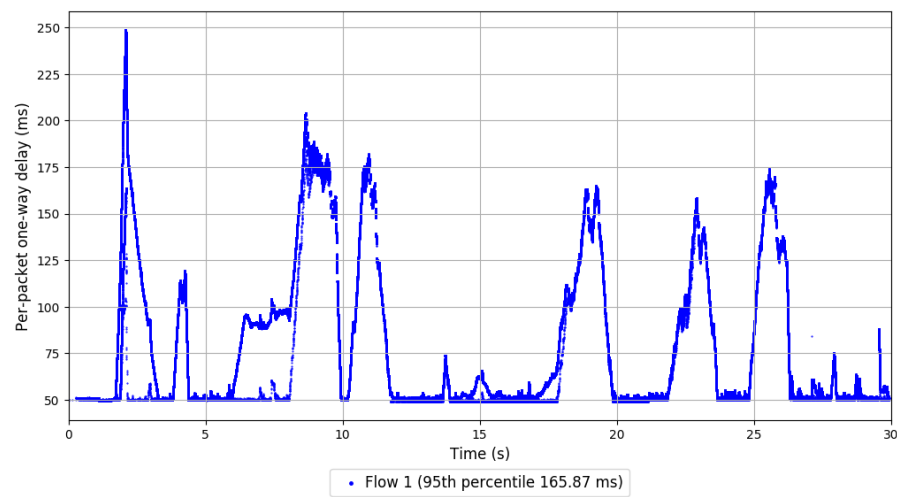
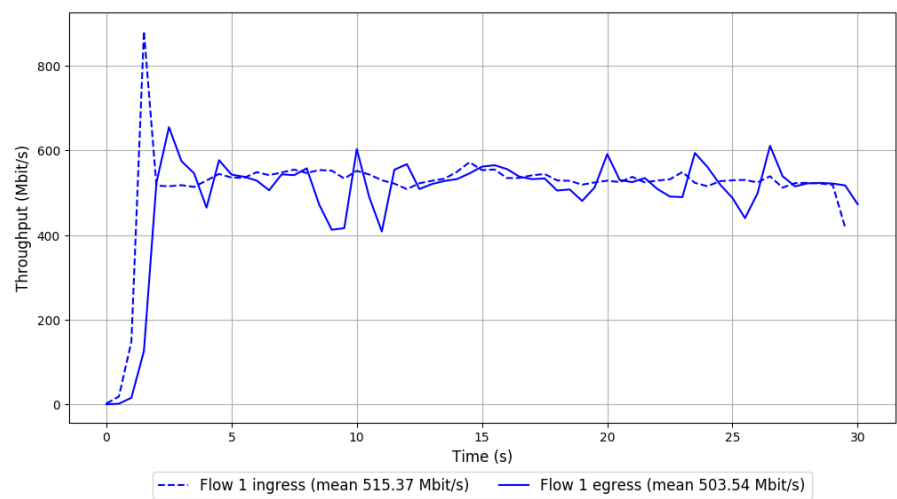
-- Flow 1:

Average throughput: 503.54 Mbit/s

95th percentile per-packet one-way delay: 165.871 ms

Loss rate: 2.29%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-05 15:57:36

End at: 2018-07-05 15:58:06

Local clock offset: -0.107 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-05 17:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.80 Mbit/s

95th percentile per-packet one-way delay: 108.055 ms

Loss rate: 0.25%

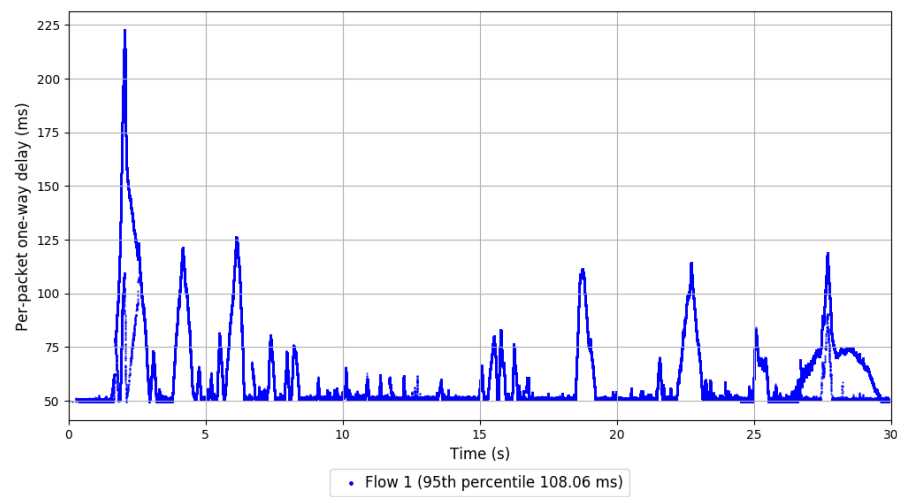
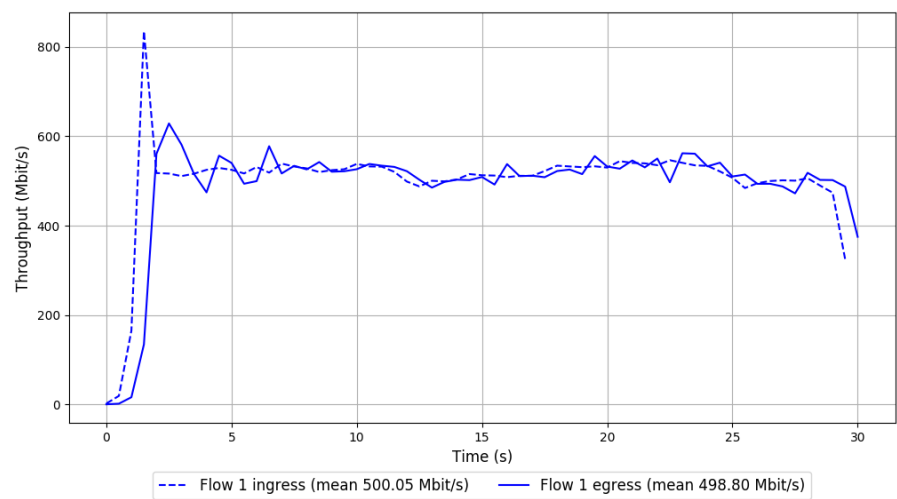
-- Flow 1:

Average throughput: 498.80 Mbit/s

95th percentile per-packet one-way delay: 108.055 ms

Loss rate: 0.25%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-05 16:19:34

End at: 2018-07-05 16:20:04

Local clock offset: -0.377 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-05 17:52:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.20 Mbit/s

95th percentile per-packet one-way delay: 162.504 ms

Loss rate: 1.42%

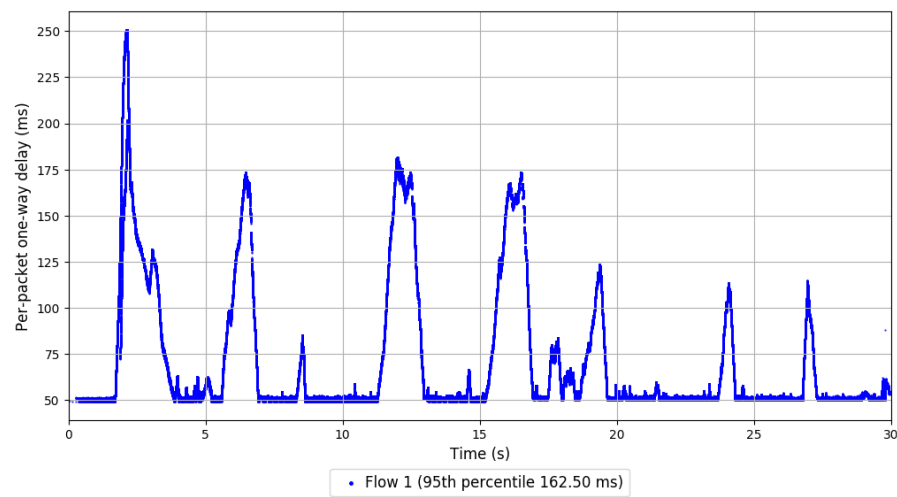
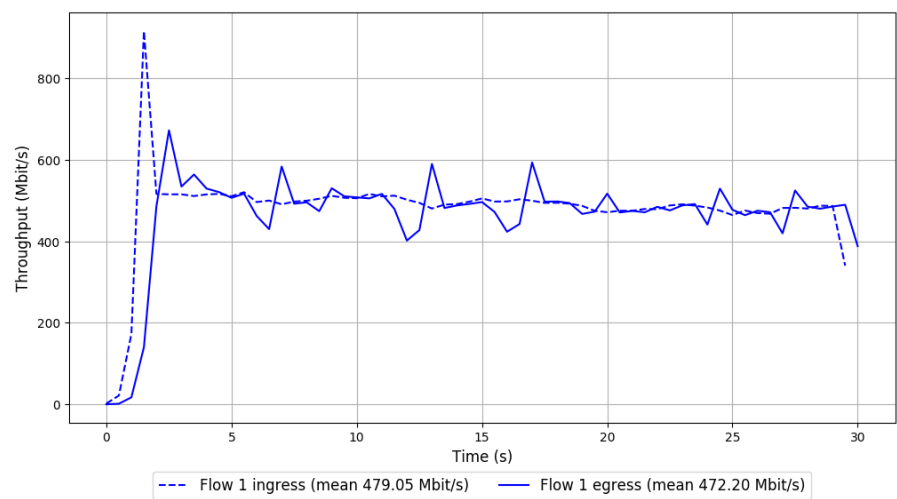
-- Flow 1:

Average throughput: 472.20 Mbit/s

95th percentile per-packet one-way delay: 162.504 ms

Loss rate: 1.42%

Run 10: Report of PCC-Allegro — Data Link

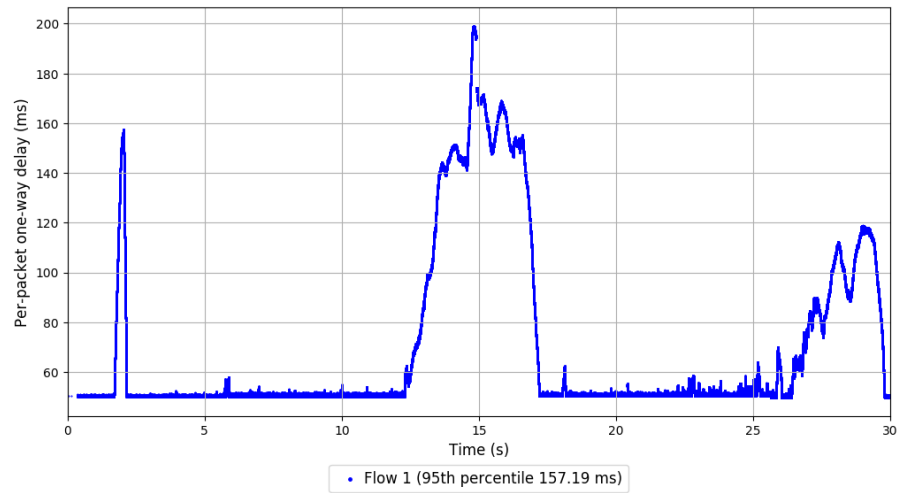
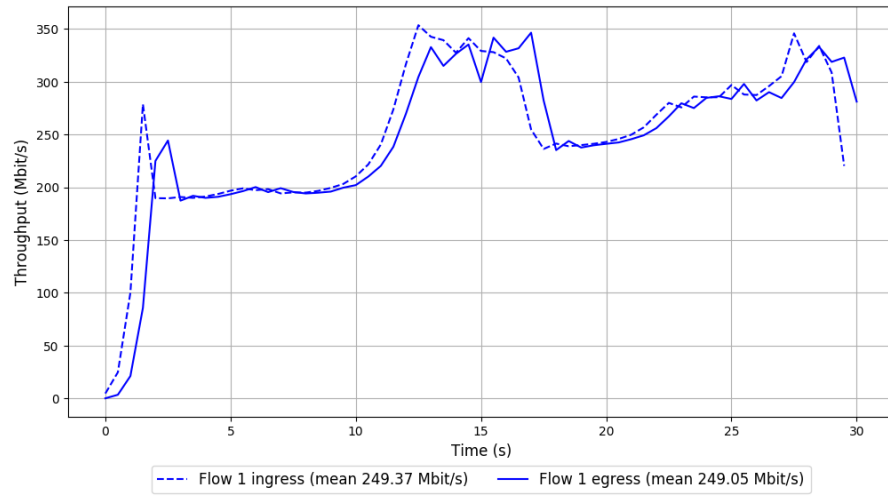


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-05 12:50:05
End at: 2018-07-05 12:50:35
Local clock offset: -0.083 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-07-05 17:52:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.05 Mbit/s
95th percentile per-packet one-way delay: 157.188 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 249.05 Mbit/s
95th percentile per-packet one-way delay: 157.188 ms
Loss rate: 0.13%
```


Run 1: Report of PCC-Expr — Data Link

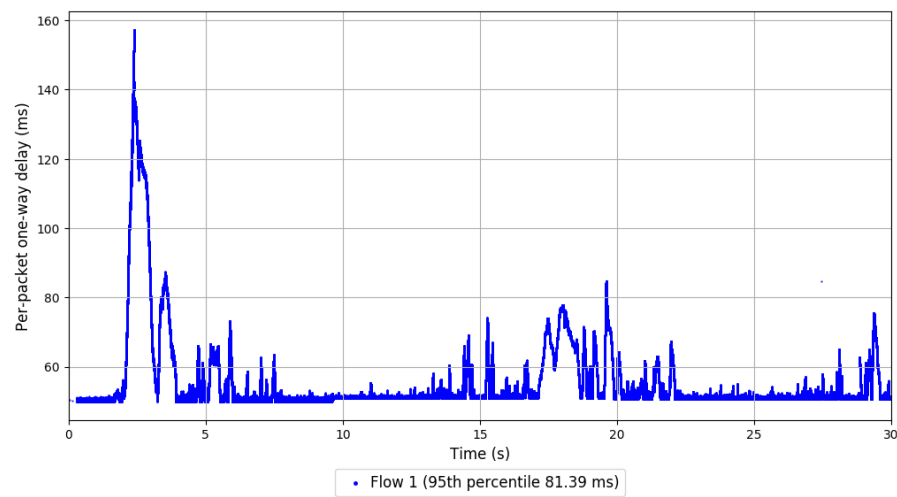
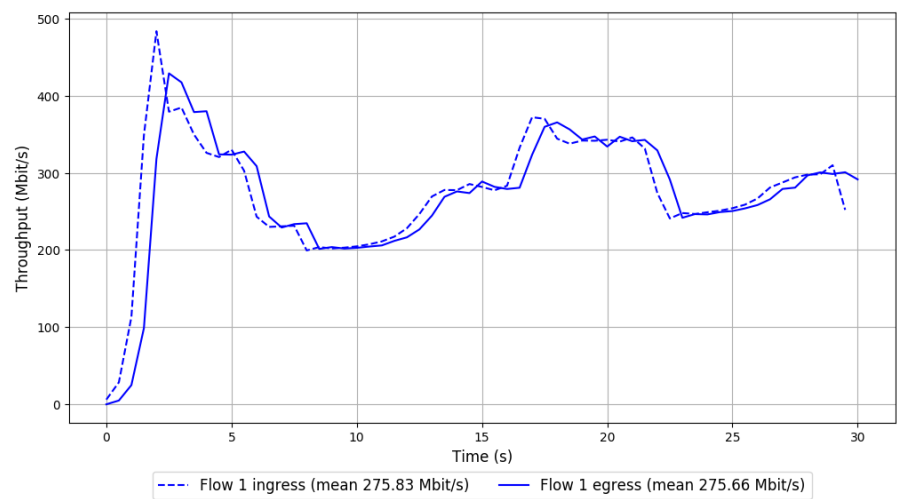


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-05 13:12:01
End at: 2018-07-05 13:12:31
Local clock offset: -0.477 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-07-05 17:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.66 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 275.66 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 0.06%
```

Run 2: Report of PCC-Expr — Data Link

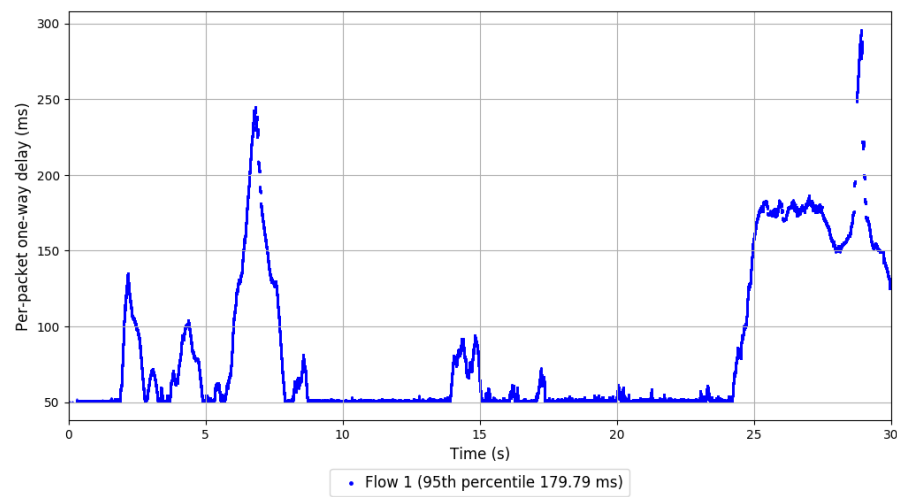
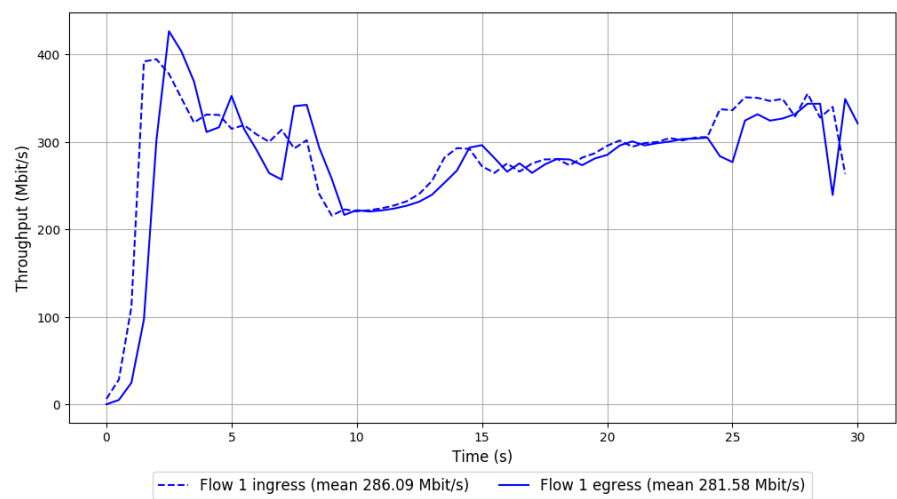


Run 3: Statistics of PCC-Expr

Start at: 2018-07-05 13:34:10
End at: 2018-07-05 13:34:40
Local clock offset: -0.116 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-05 17:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.58 Mbit/s
95th percentile per-packet one-way delay: 179.790 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 281.58 Mbit/s
95th percentile per-packet one-way delay: 179.790 ms
Loss rate: 1.57%

Run 3: Report of PCC-Expr — Data Link

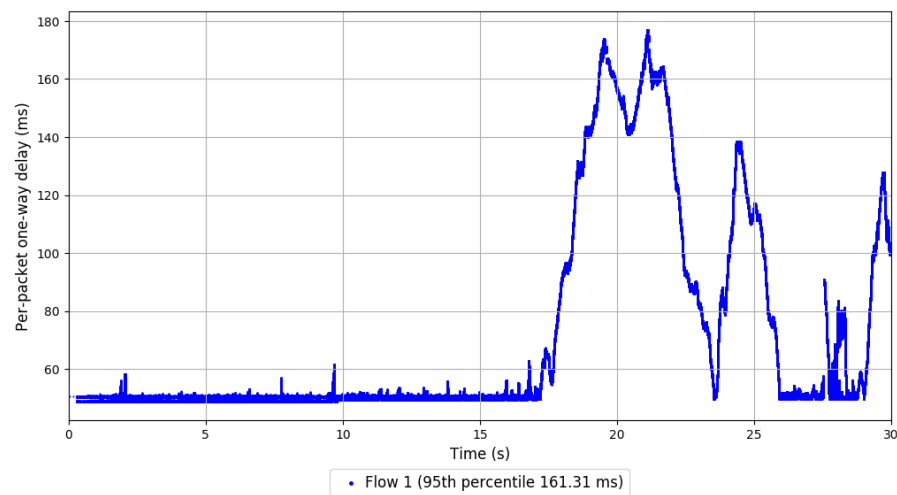
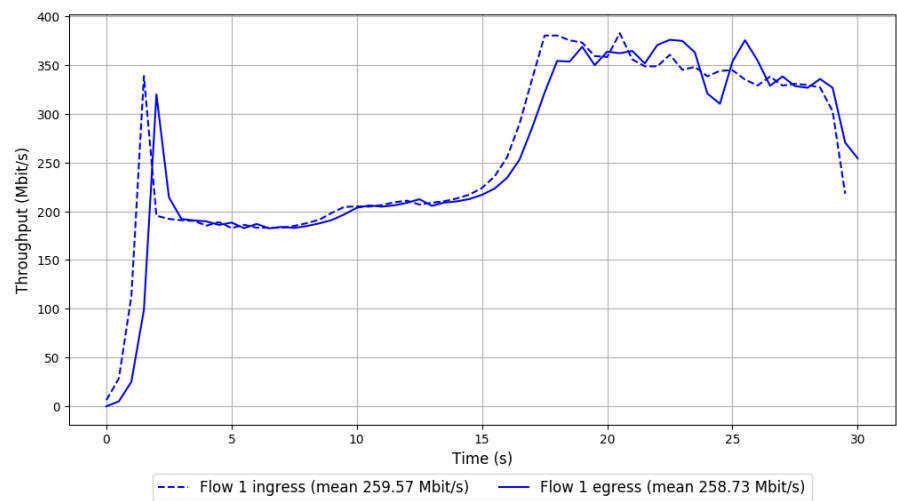


Run 4: Statistics of PCC-Expr

Start at: 2018-07-05 13:56:11
End at: 2018-07-05 13:56:41
Local clock offset: -0.117 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-05 17:53:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.73 Mbit/s
95th percentile per-packet one-way delay: 161.306 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 258.73 Mbit/s
95th percentile per-packet one-way delay: 161.306 ms
Loss rate: 0.32%

Run 4: Report of PCC-Expr — Data Link

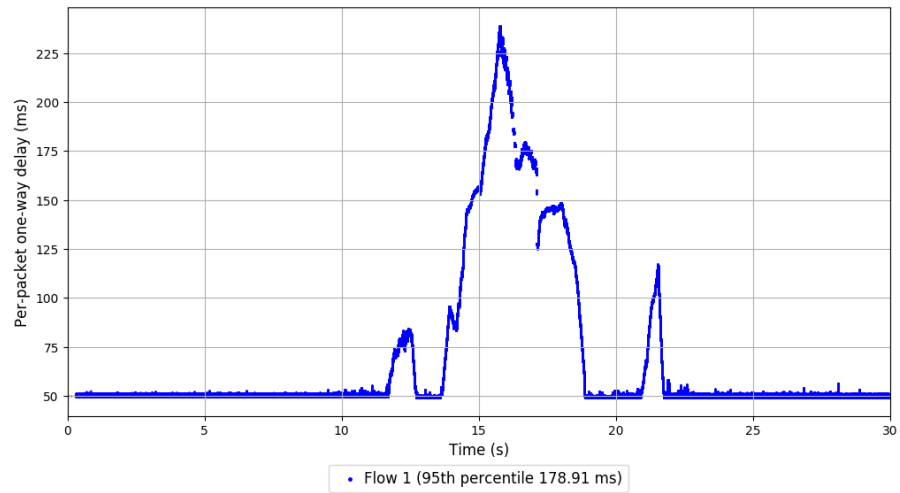
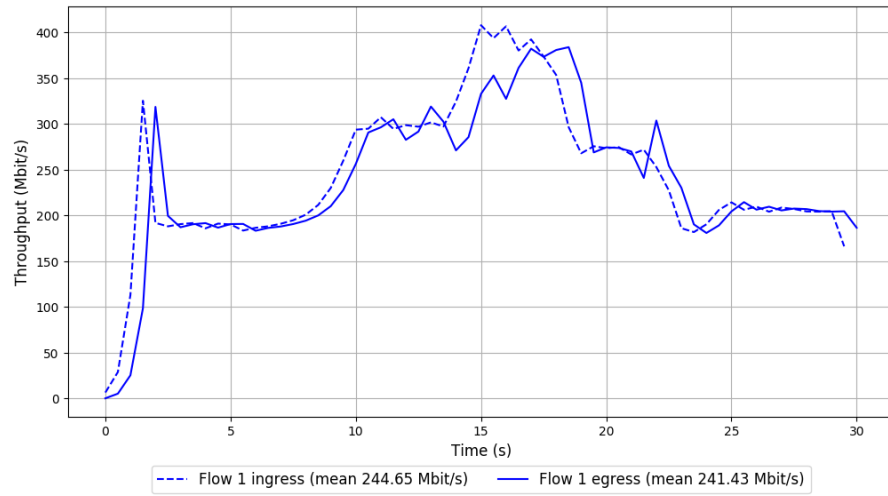


Run 5: Statistics of PCC-Expr

Start at: 2018-07-05 14:18:28
End at: 2018-07-05 14:18:58
Local clock offset: -0.481 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-05 17:53:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.43 Mbit/s
95th percentile per-packet one-way delay: 178.907 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 241.43 Mbit/s
95th percentile per-packet one-way delay: 178.907 ms
Loss rate: 1.31%

Run 5: Report of PCC-Expr — Data Link

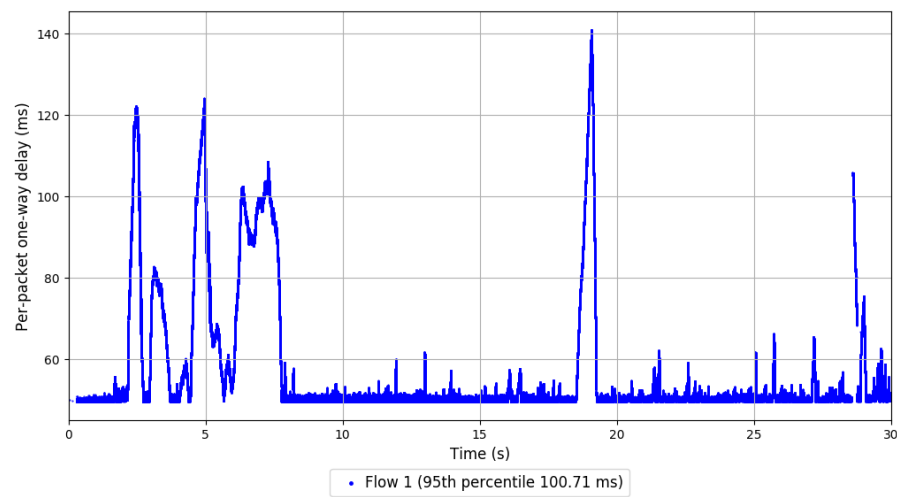
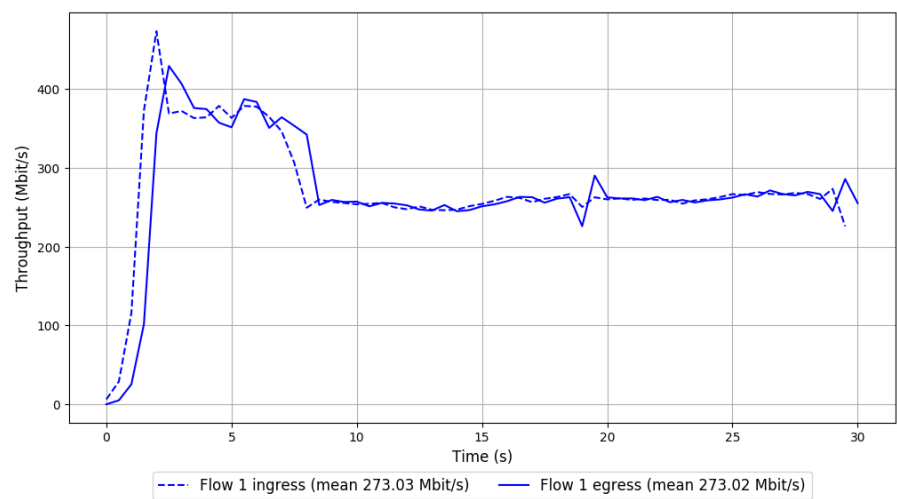


Run 6: Statistics of PCC-Expr

Start at: 2018-07-05 14:40:23
End at: 2018-07-05 14:40:53
Local clock offset: -0.065 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-05 18:00:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.02 Mbit/s
95th percentile per-packet one-way delay: 100.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 273.02 Mbit/s
95th percentile per-packet one-way delay: 100.711 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

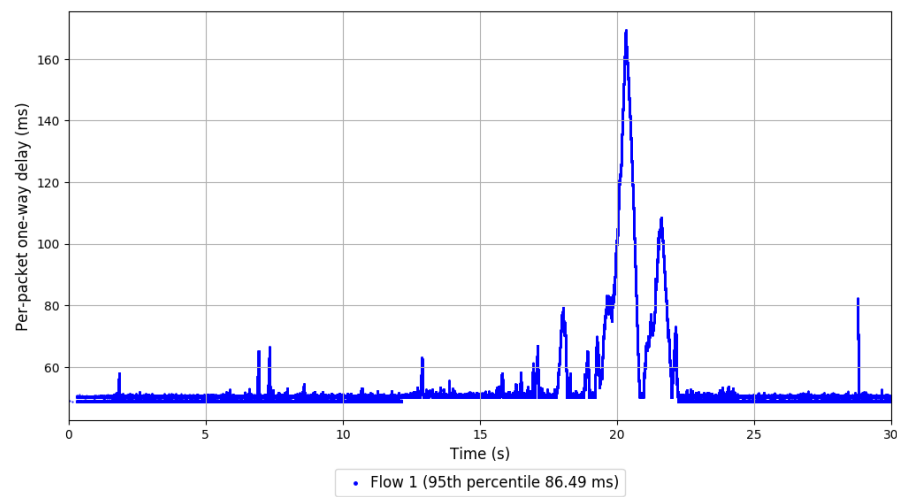
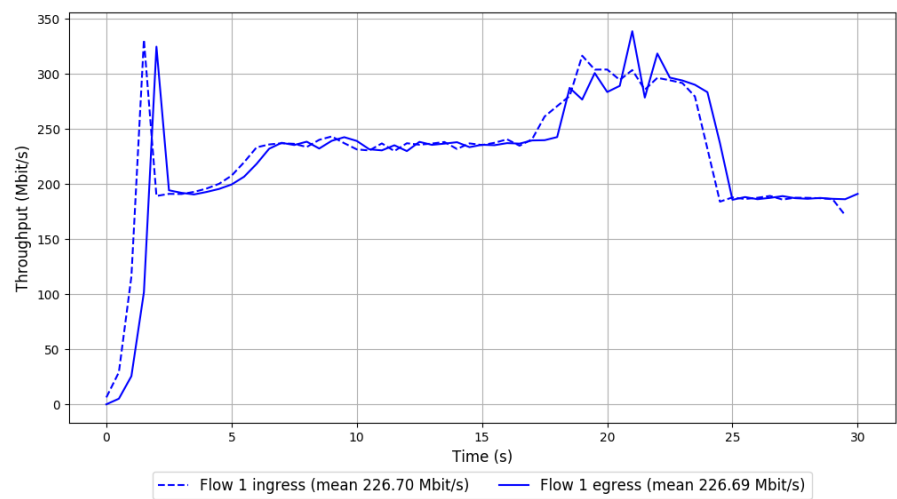


Run 7: Statistics of PCC-Expr

Start at: 2018-07-05 15:01:48
End at: 2018-07-05 15:02:18
Local clock offset: -0.124 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-05 18:00:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.69 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.69 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

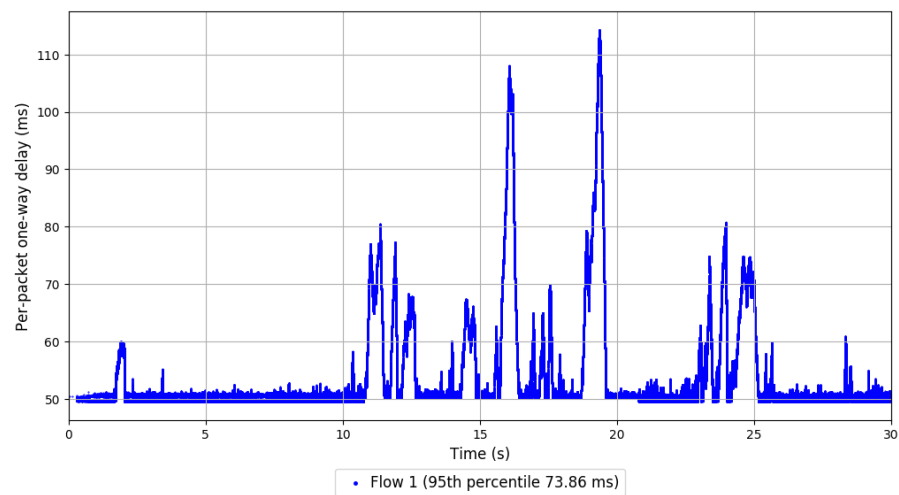
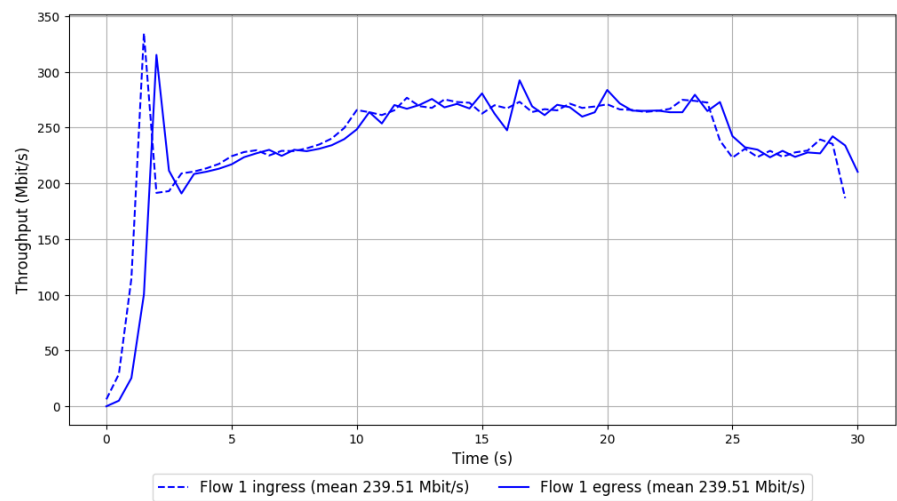


Run 8: Statistics of PCC-Expr

Start at: 2018-07-05 15:23:50
End at: 2018-07-05 15:24:20
Local clock offset: -0.155 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-05 18:00:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.51 Mbit/s
95th percentile per-packet one-way delay: 73.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.51 Mbit/s
95th percentile per-packet one-way delay: 73.857 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-05 15:45:53

End at: 2018-07-05 15:46:23

Local clock offset: -0.088 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-05 18:00:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.53 Mbit/s

95th percentile per-packet one-way delay: 102.364 ms

Loss rate: 0.00%

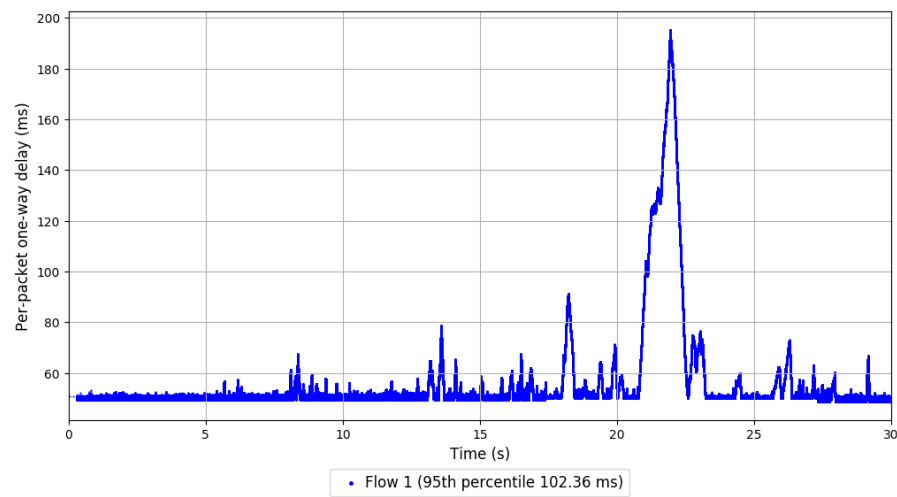
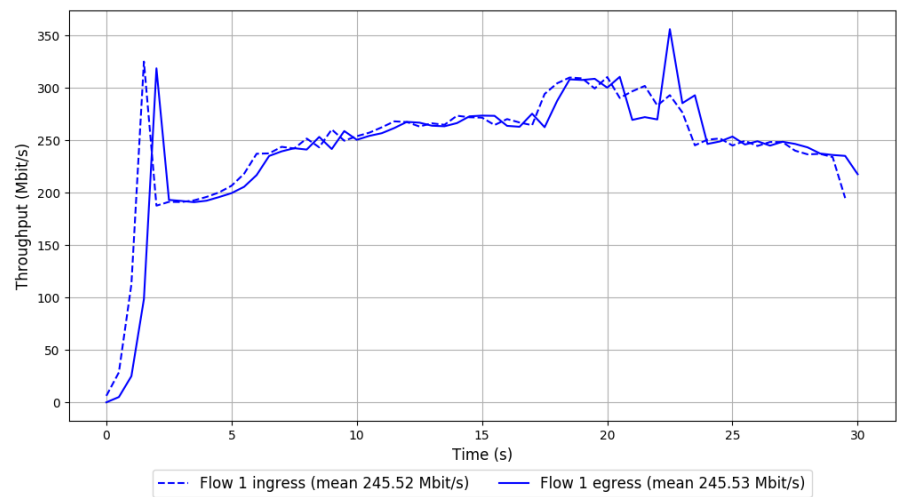
-- Flow 1:

Average throughput: 245.53 Mbit/s

95th percentile per-packet one-way delay: 102.364 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-05 16:07:39

End at: 2018-07-05 16:08:09

Local clock offset: -0.084 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.16 Mbit/s

95th percentile per-packet one-way delay: 168.273 ms

Loss rate: 1.59%

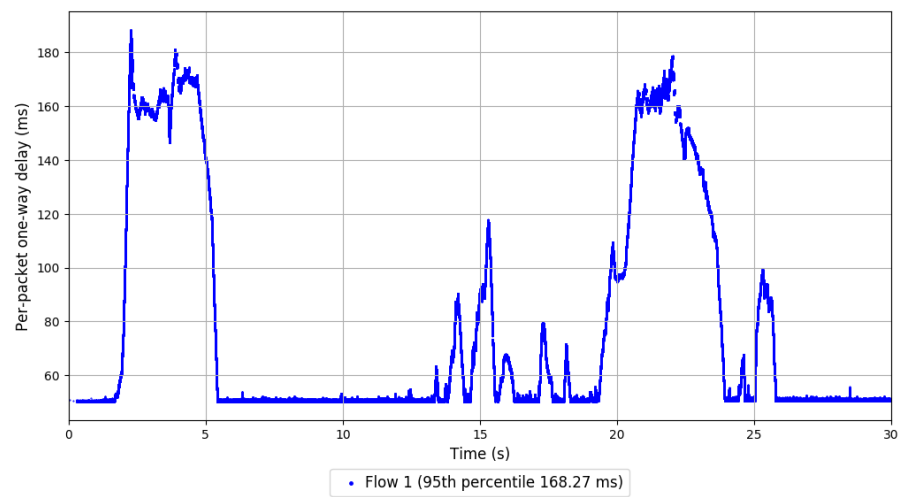
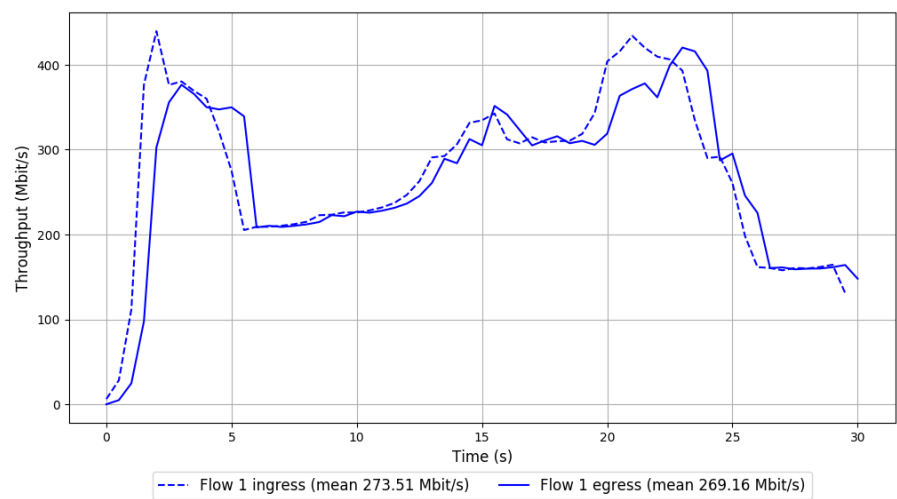
-- Flow 1:

Average throughput: 269.16 Mbit/s

95th percentile per-packet one-way delay: 168.273 ms

Loss rate: 1.59%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-05 12:52:49

End at: 2018-07-05 12:53:19

Local clock offset: -0.107 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.75 Mbit/s

95th percentile per-packet one-way delay: 50.704 ms

Loss rate: 0.00%

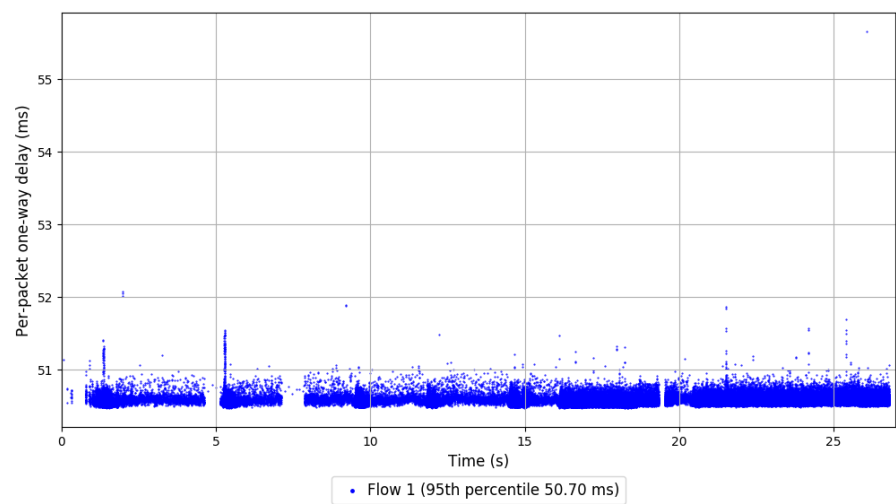
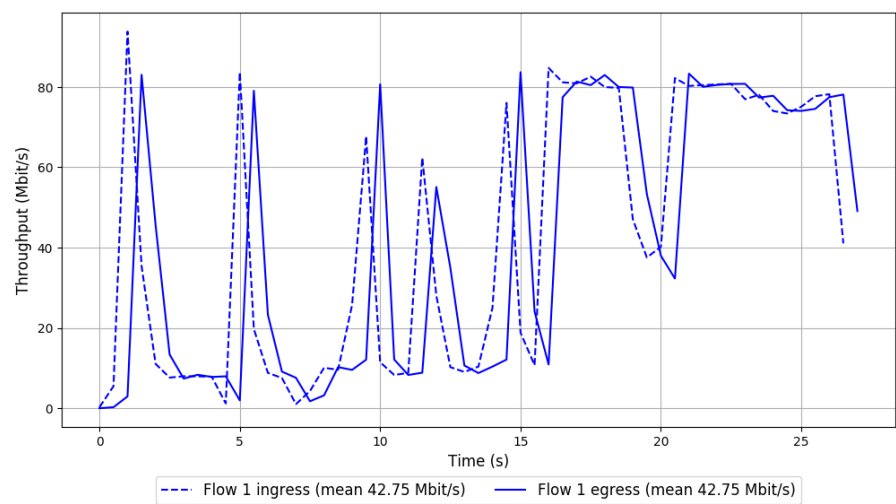
-- Flow 1:

Average throughput: 42.75 Mbit/s

95th percentile per-packet one-way delay: 50.704 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

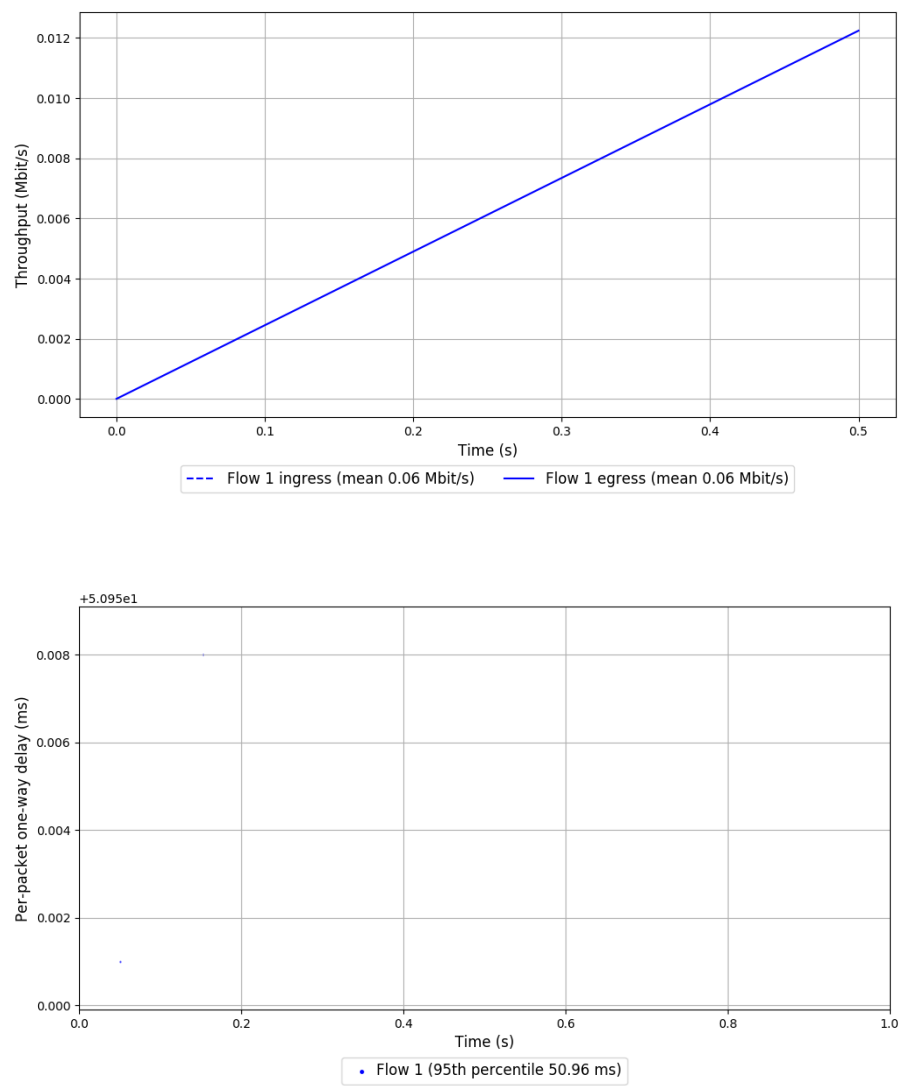
Start at: 2018-07-05 13:14:48

End at: 2018-07-05 13:15:18

Local clock offset: -0.466 ms

Remote clock offset: -0.136 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-05 13:36:58

End at: 2018-07-05 13:37:28

Local clock offset: -0.115 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.58 Mbit/s

95th percentile per-packet one-way delay: 50.538 ms

Loss rate: 0.00%

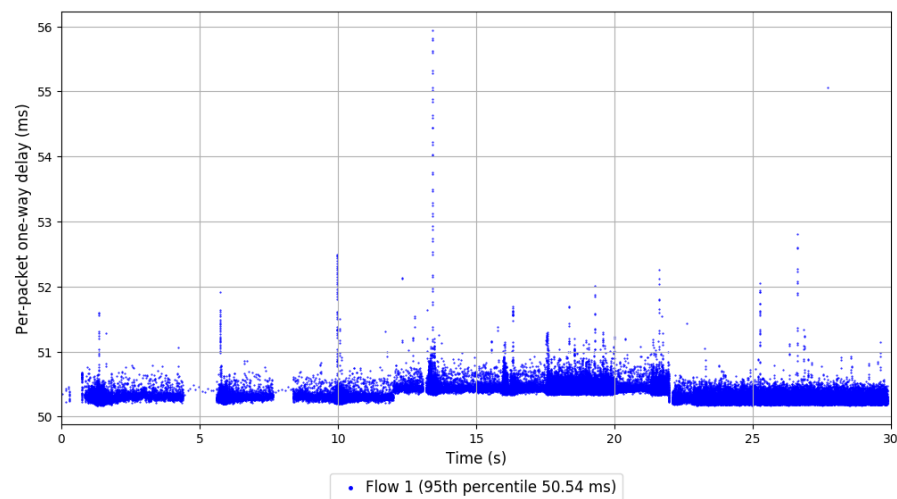
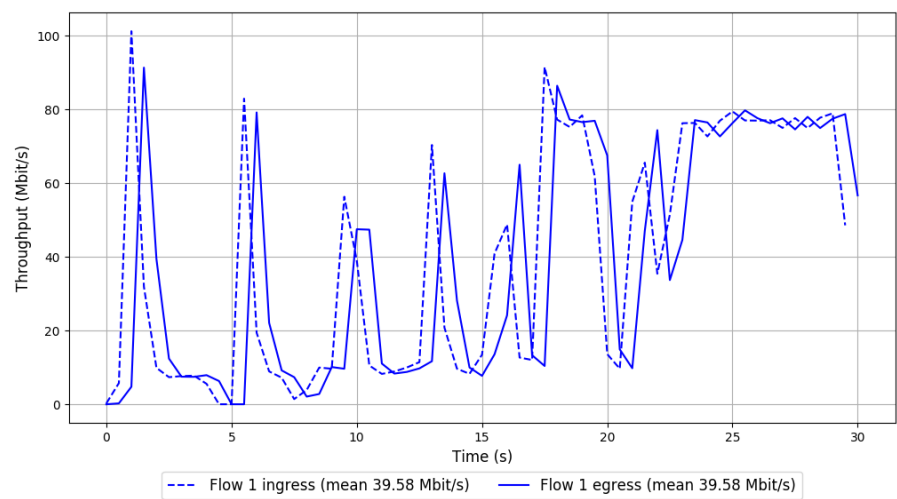
-- Flow 1:

Average throughput: 39.58 Mbit/s

95th percentile per-packet one-way delay: 50.538 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-05 13:58:56

End at: 2018-07-05 13:59:26

Local clock offset: 0.259 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.64 Mbit/s

95th percentile per-packet one-way delay: 50.363 ms

Loss rate: 0.00%

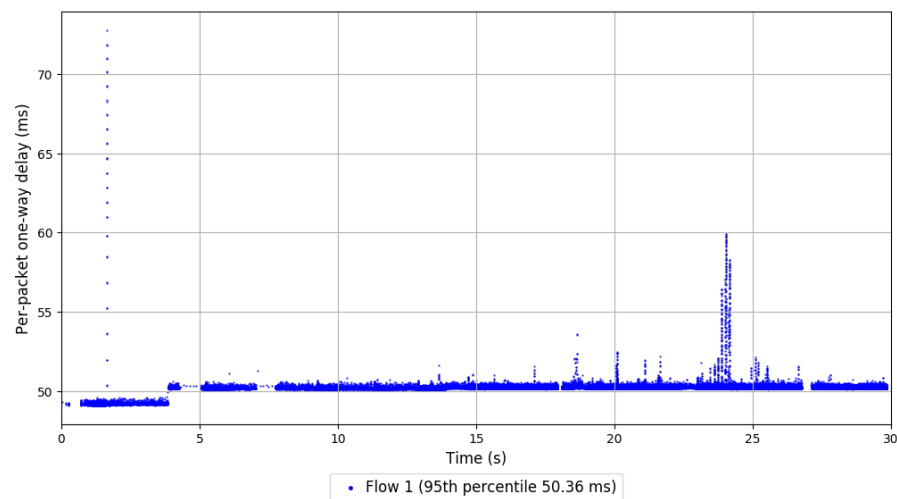
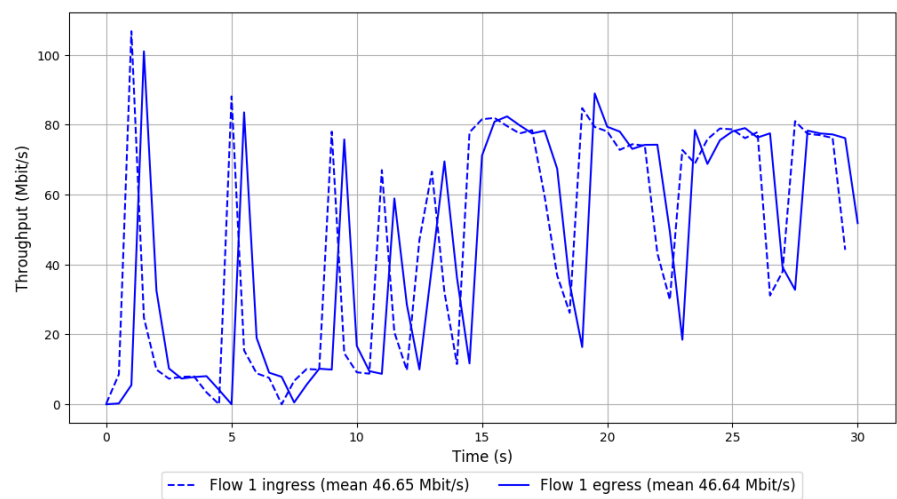
-- Flow 1:

Average throughput: 46.64 Mbit/s

95th percentile per-packet one-way delay: 50.363 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-05 14:21:13

End at: 2018-07-05 14:21:43

Local clock offset: -0.12 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.01%

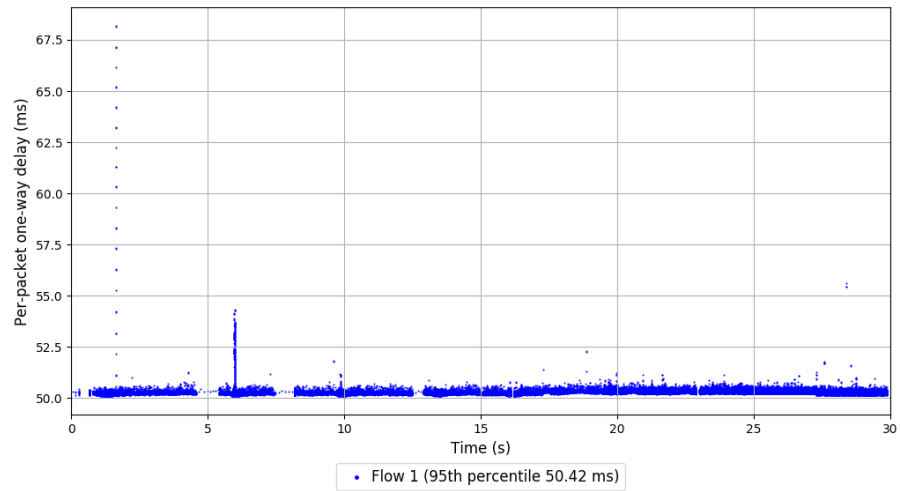
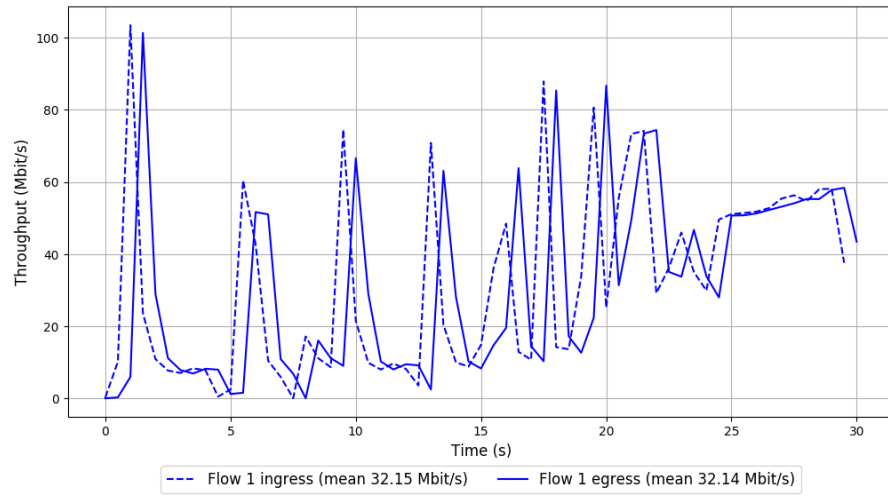
-- Flow 1:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-05 14:43:09

End at: 2018-07-05 14:43:39

Local clock offset: -0.073 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.64 Mbit/s

95th percentile per-packet one-way delay: 50.933 ms

Loss rate: 0.00%

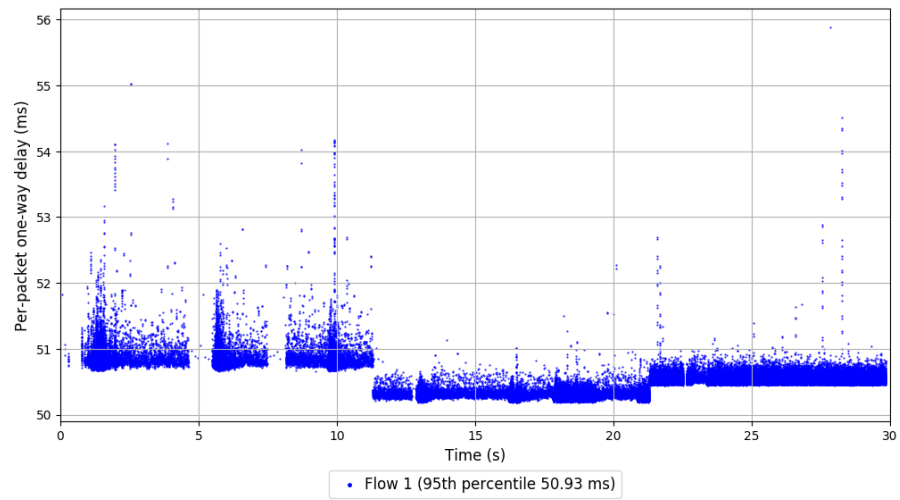
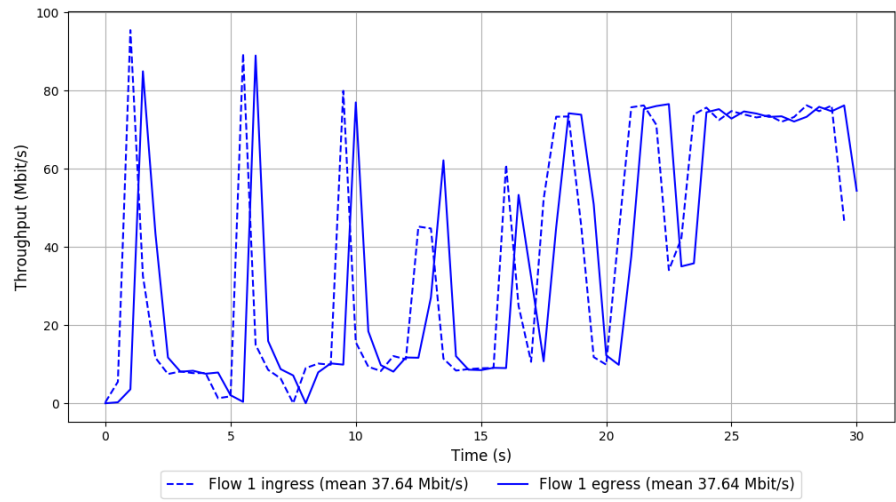
-- Flow 1:

Average throughput: 37.64 Mbit/s

95th percentile per-packet one-way delay: 50.933 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

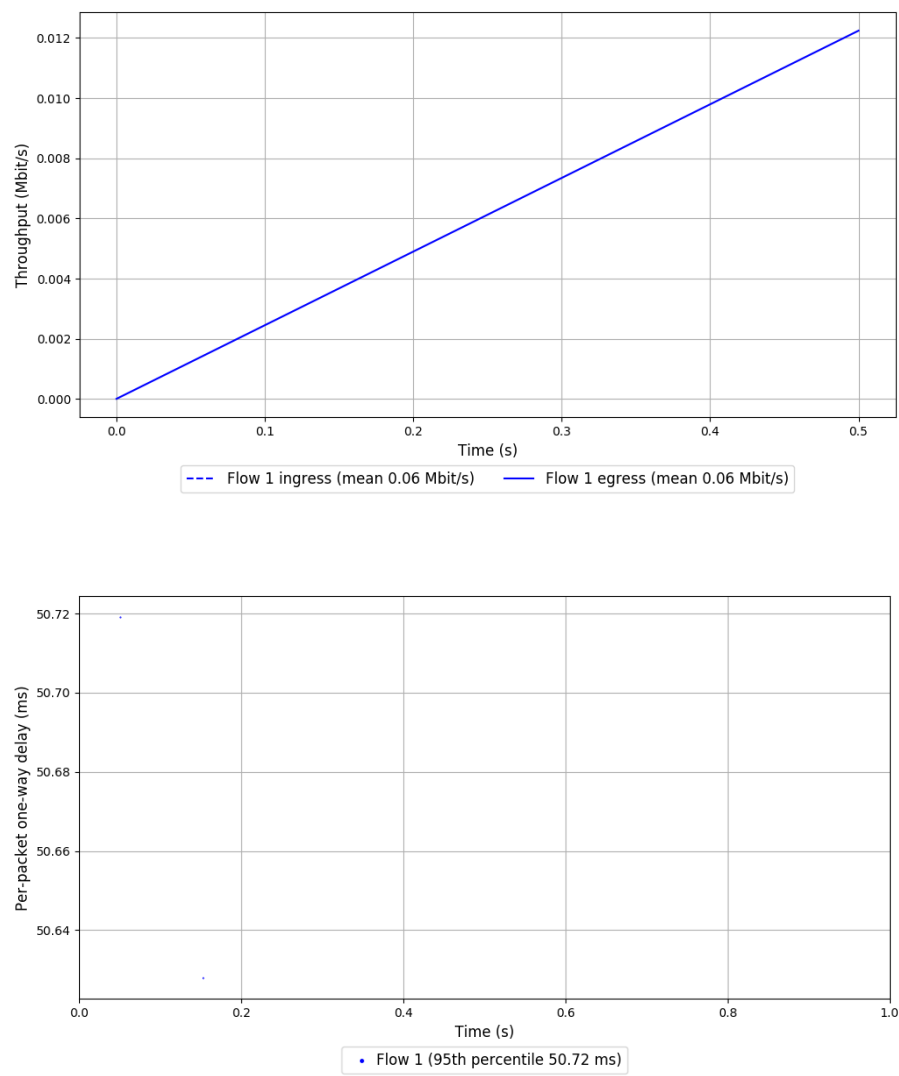
Start at: 2018-07-05 15:04:31

End at: 2018-07-05 15:05:01

Local clock offset: -0.081 ms

Remote clock offset: 0.029 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

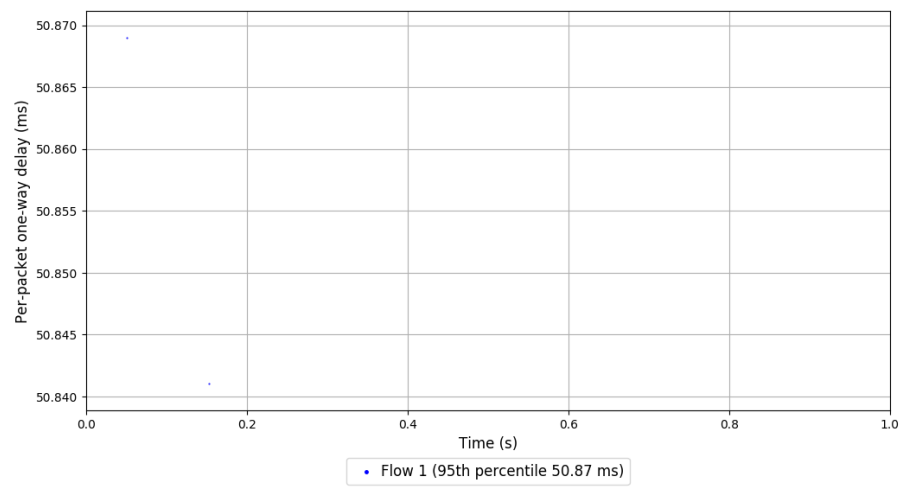
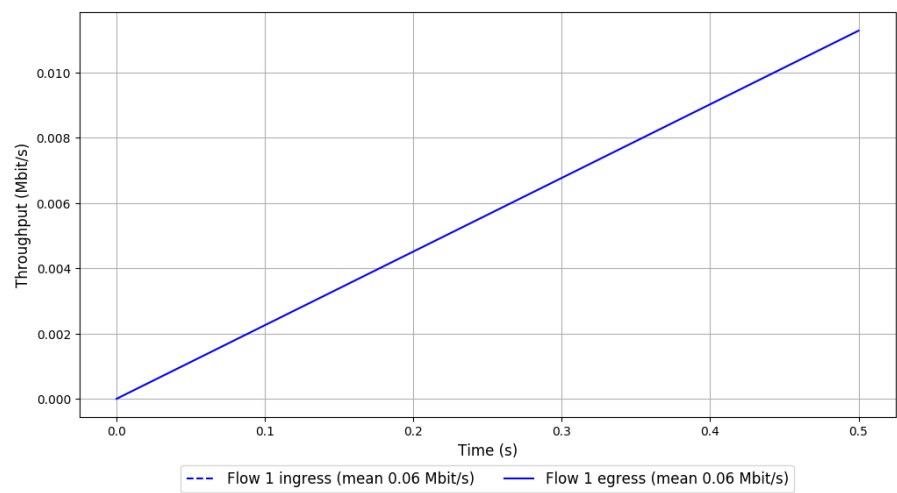
Start at: 2018-07-05 15:26:34

End at: 2018-07-05 15:27:04

Local clock offset: -0.193 ms

Remote clock offset: 0.001 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

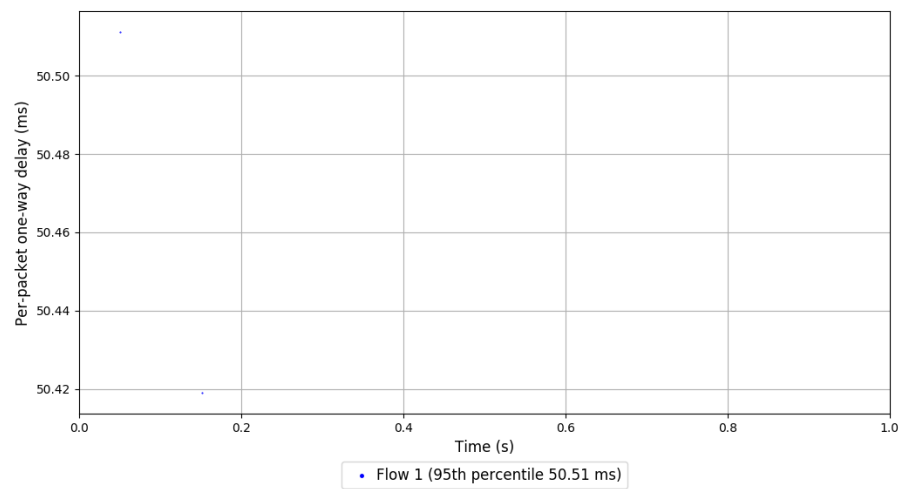
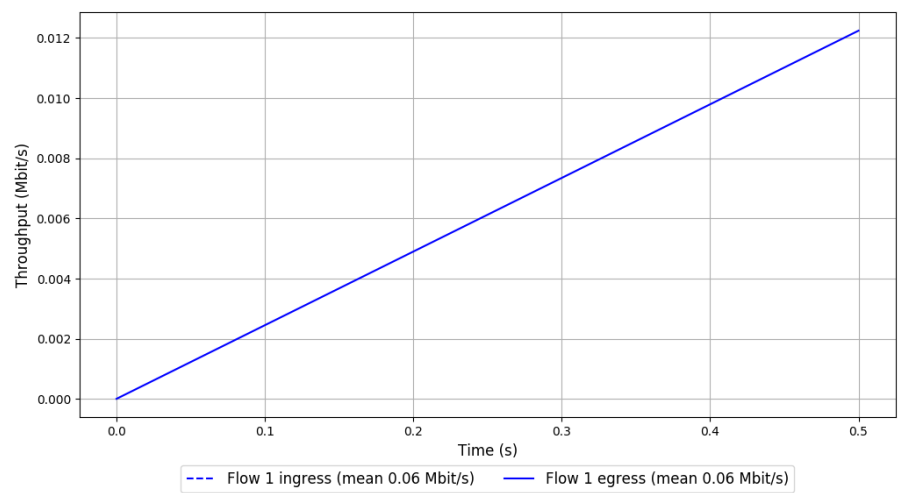
Start at: 2018-07-05 15:48:38

End at: 2018-07-05 15:49:08

Local clock offset: -0.071 ms

Remote clock offset: 0.035 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

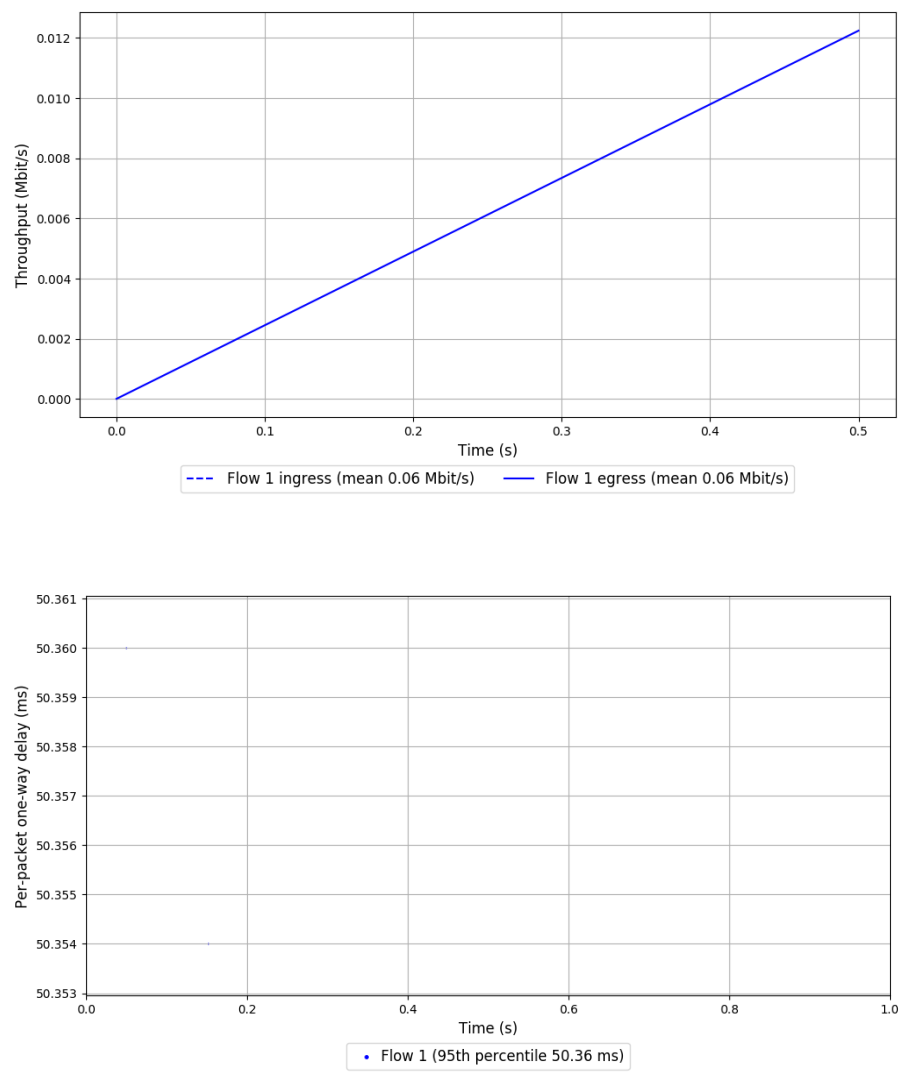
Start at: 2018-07-05 16:10:26

End at: 2018-07-05 16:10:56

Local clock offset: -0.061 ms

Remote clock offset: 0.143 ms

Run 10: Report of QUIC Cubic — Data Link

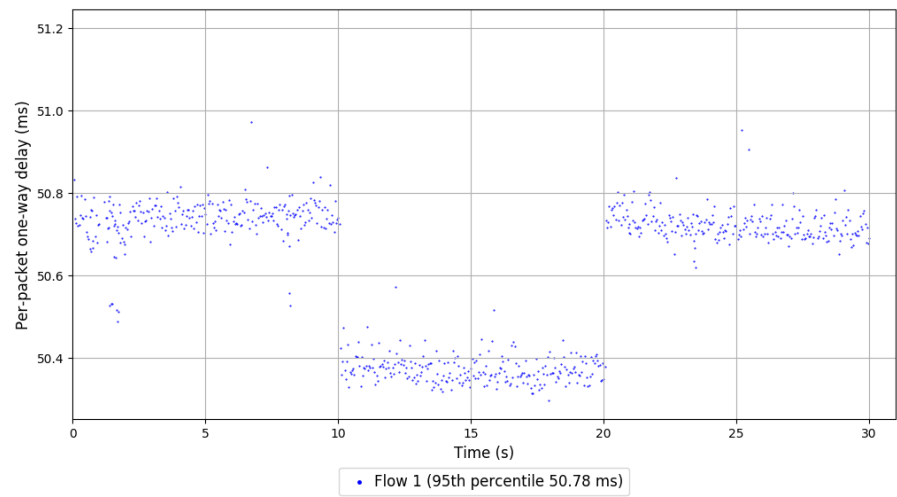
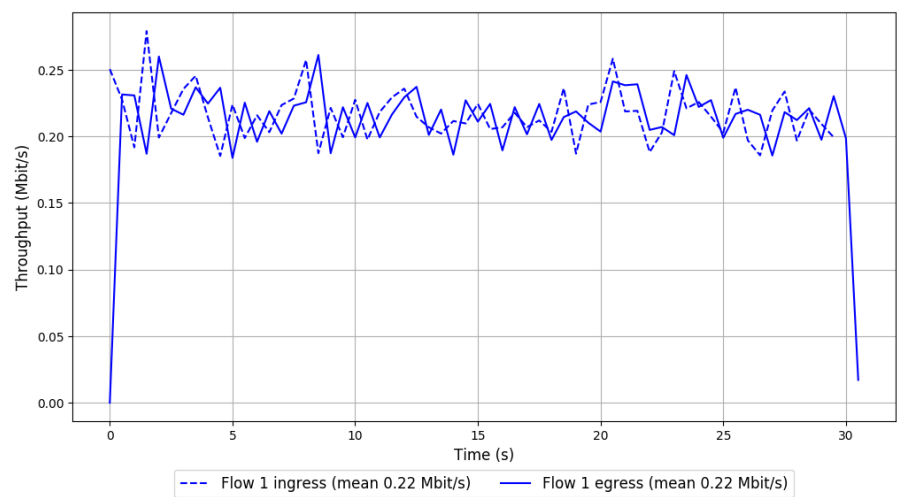


```
Run 1: Statistics of SCReAM

Start at: 2018-07-05 12:58:10
End at: 2018-07-05 12:58:40
Local clock offset: -0.129 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-07-05 18:01:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.782 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

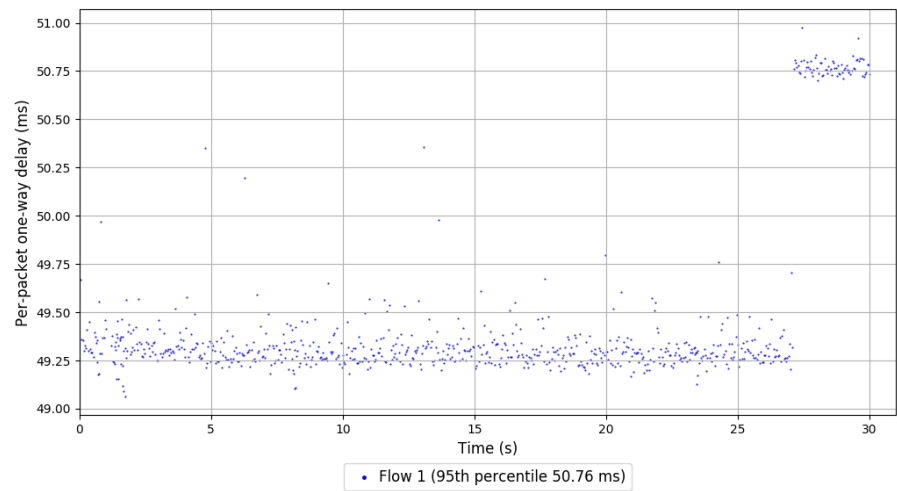
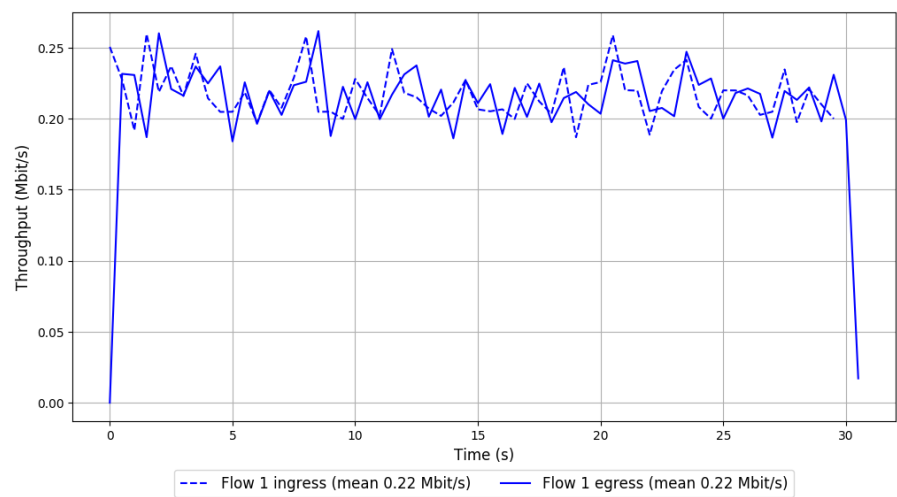


Run 2: Statistics of SCReAM

Start at: 2018-07-05 13:20:13
End at: 2018-07-05 13:20:43
Local clock offset: -0.125 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-05 18:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-05 13:42:07

End at: 2018-07-05 13:42:37

Local clock offset: -0.468 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.976 ms

Loss rate: 0.00%

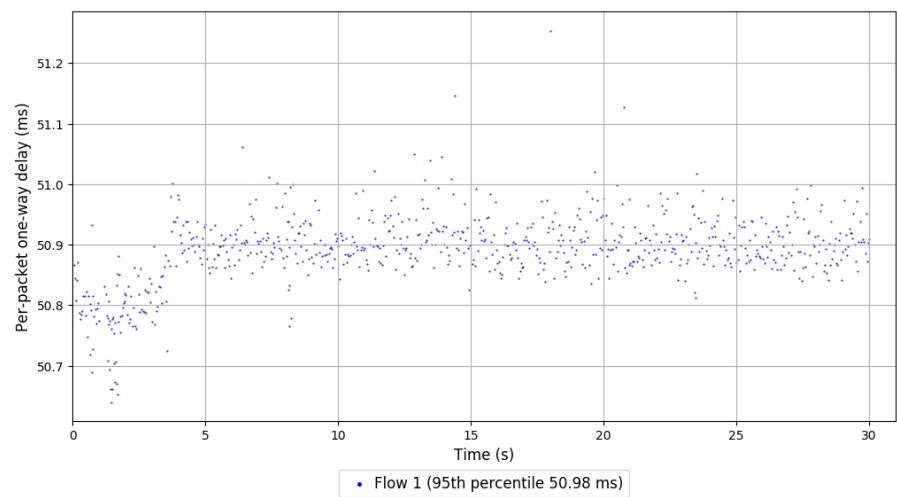
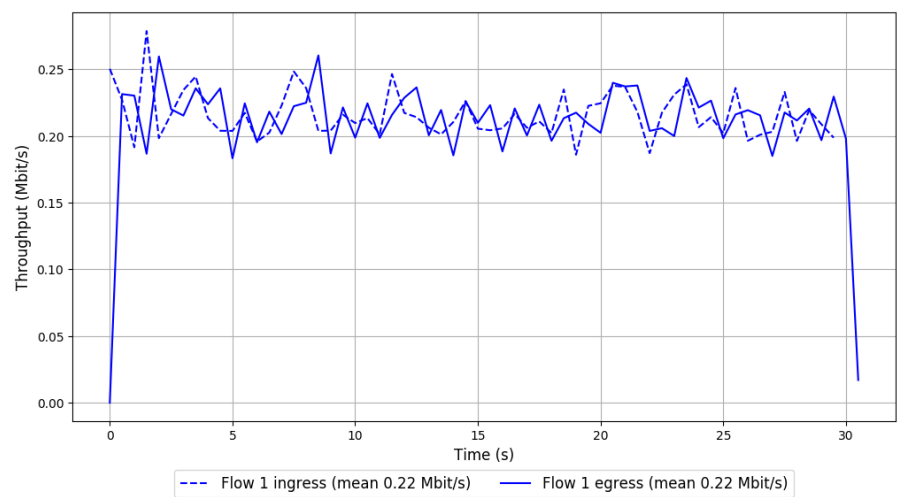
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.976 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-05 14:04:20

End at: 2018-07-05 14:04:50

Local clock offset: -0.48 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.285 ms

Loss rate: 0.00%

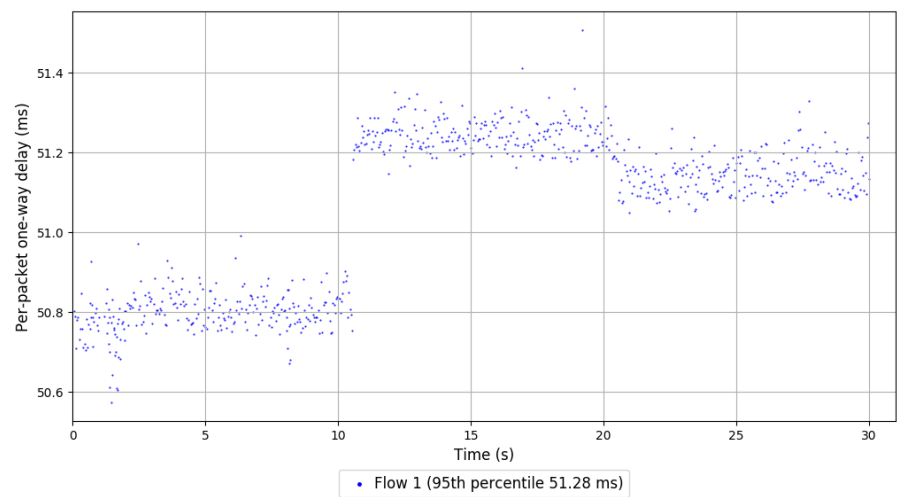
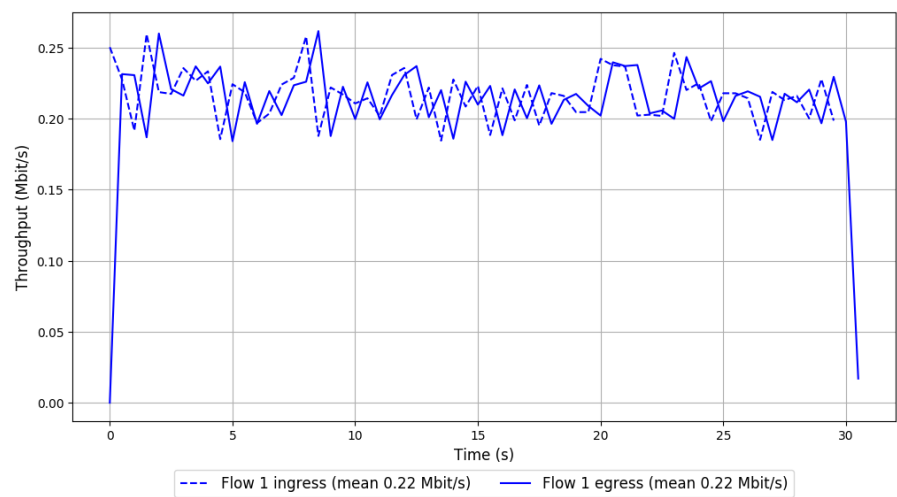
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.285 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-05 14:26:26

End at: 2018-07-05 14:26:56

Local clock offset: -0.143 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.876 ms

Loss rate: 0.00%

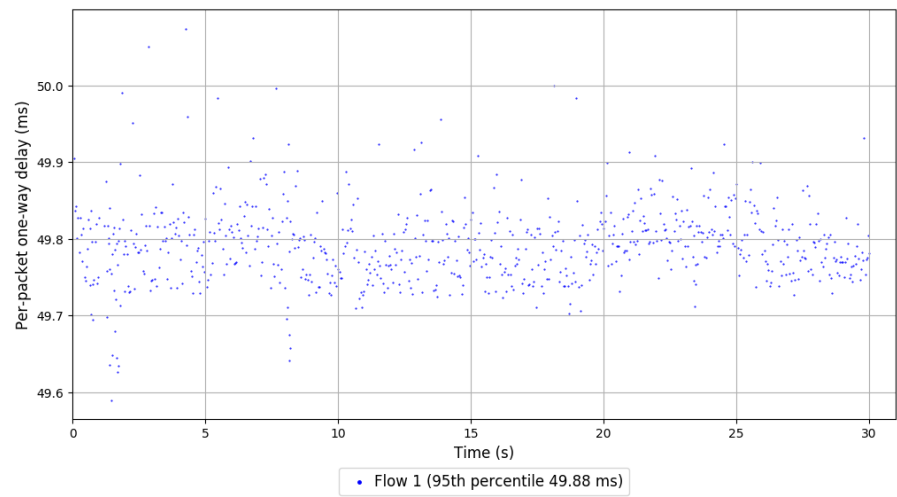
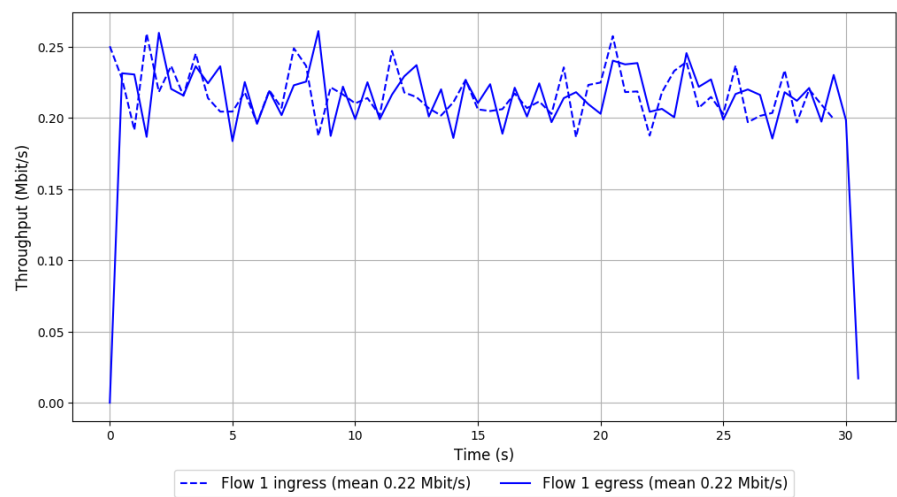
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.876 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

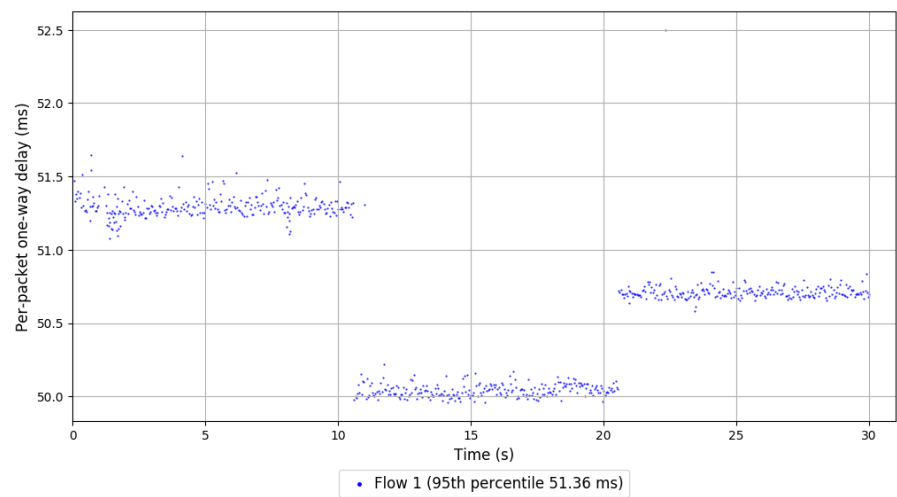
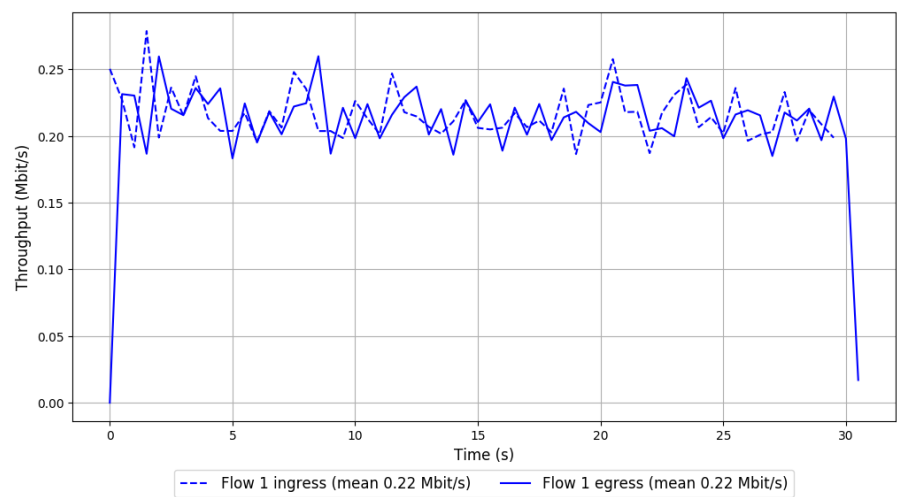


Run 6: Statistics of SCReAM

Start at: 2018-07-05 14:48:10
End at: 2018-07-05 14:48:40
Local clock offset: -0.417 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-05 18:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

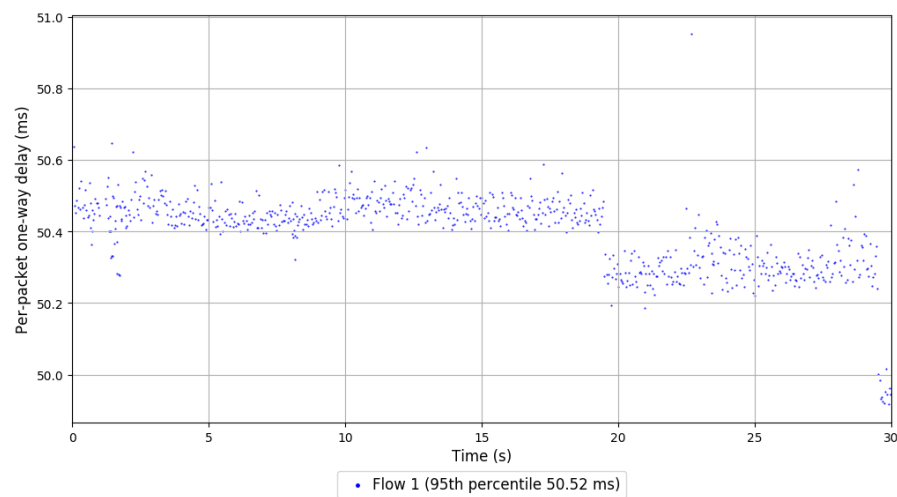
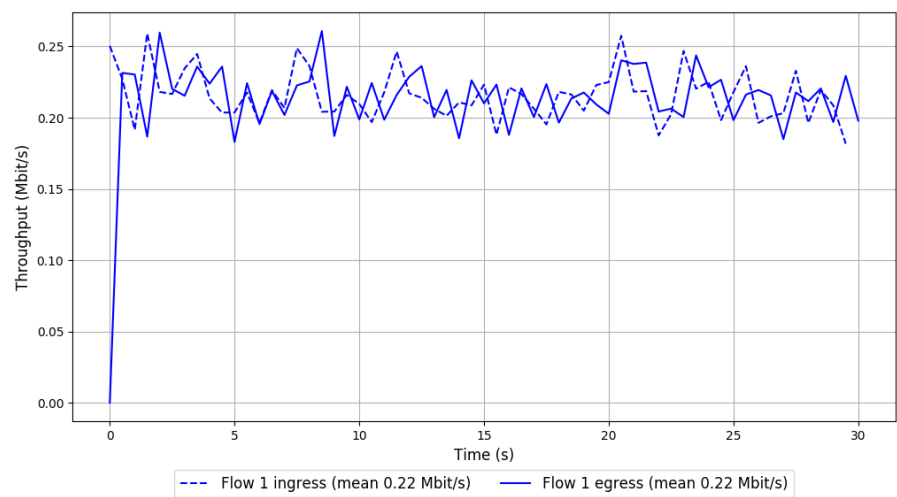


Run 7: Statistics of SCReAM

Start at: 2018-07-05 15:09:51
End at: 2018-07-05 15:10:21
Local clock offset: 0.273 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-05 18:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.522 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

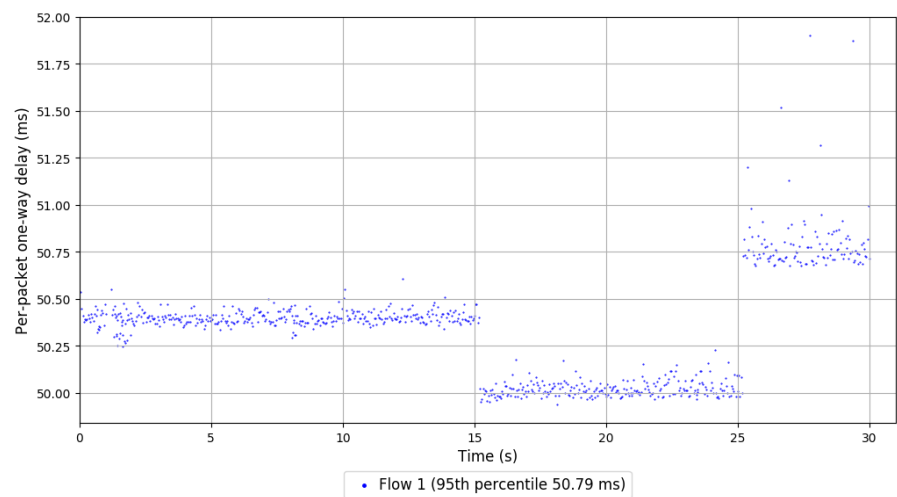
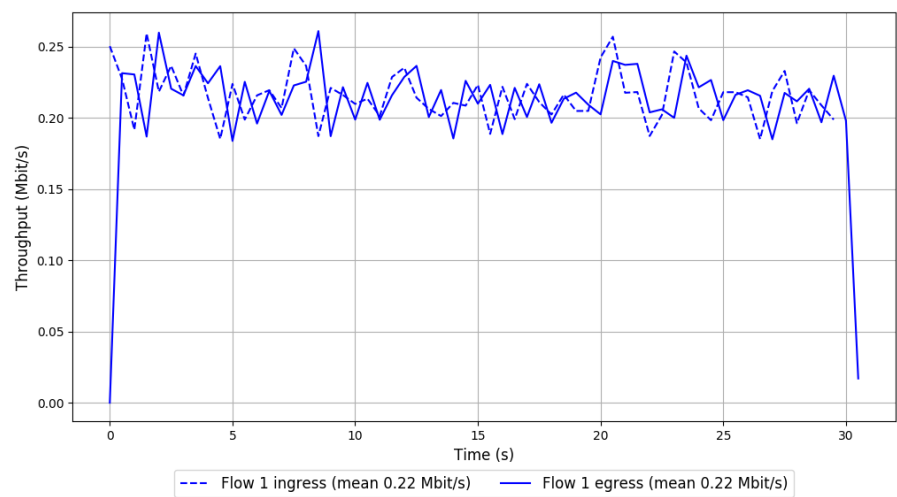


Run 8: Statistics of SCReAM

Start at: 2018-07-05 15:31:55
End at: 2018-07-05 15:32:25
Local clock offset: 0.243 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-05 18:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-05 15:53:59

End at: 2018-07-05 15:54:29

Local clock offset: 0.302 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-05 18:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.761 ms

Loss rate: 0.00%

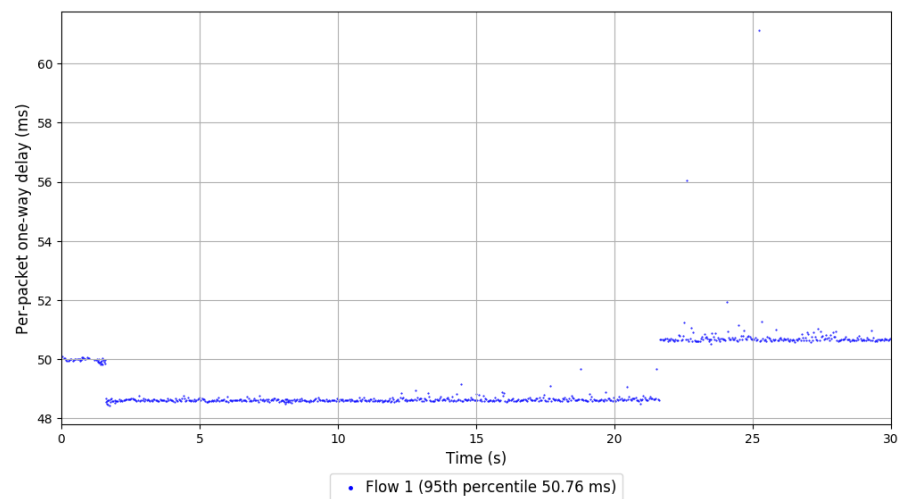
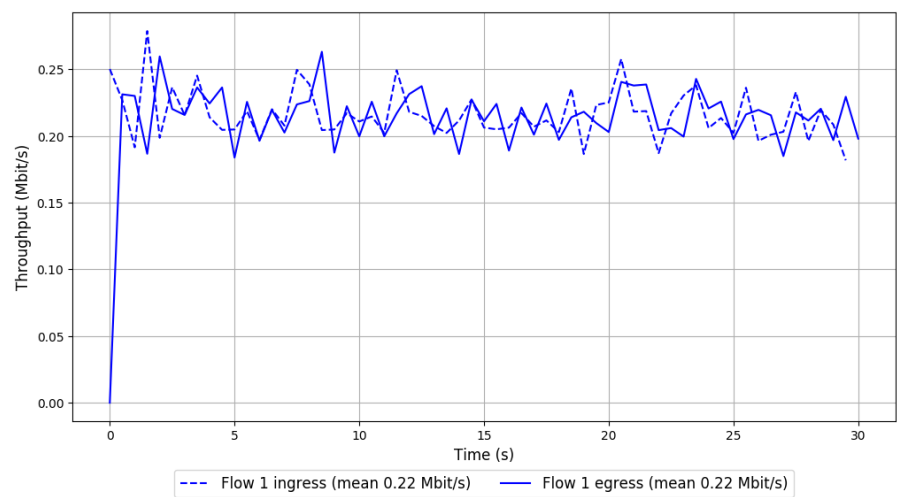
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.761 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-05 16:15:53

End at: 2018-07-05 16:16:23

Local clock offset: -0.108 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-05 18:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.132 ms

Loss rate: 0.00%

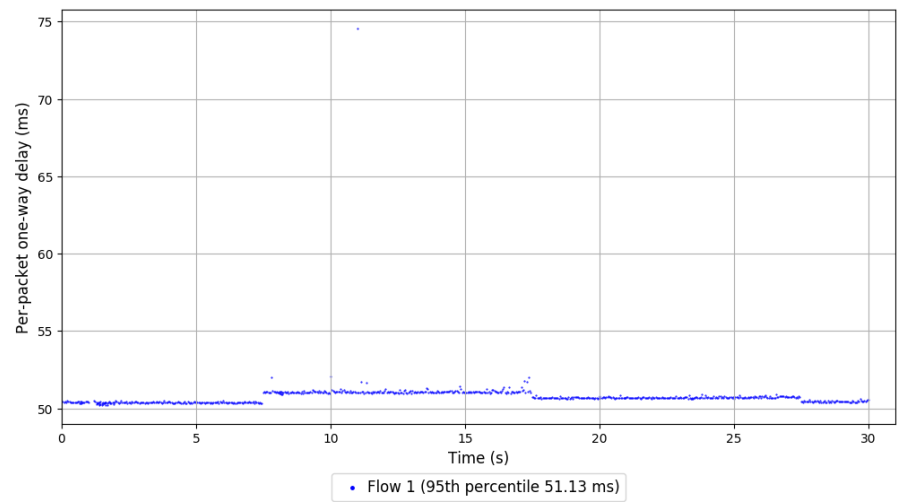
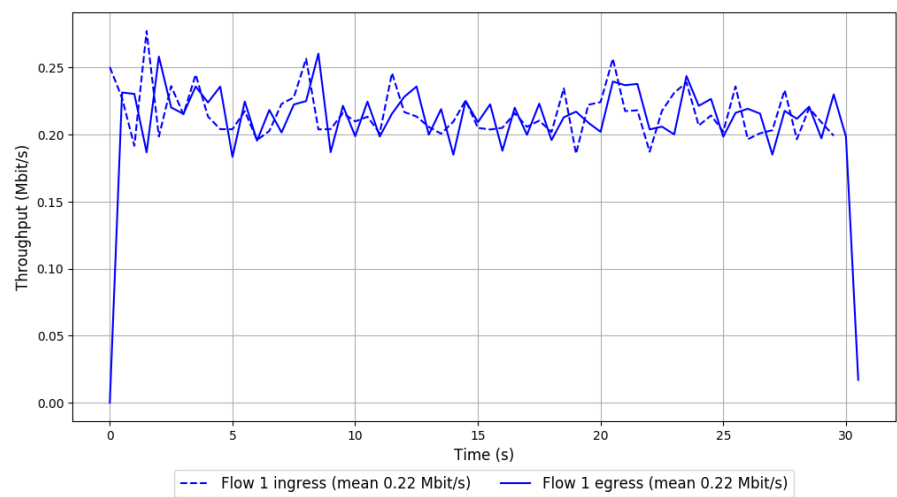
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.132 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

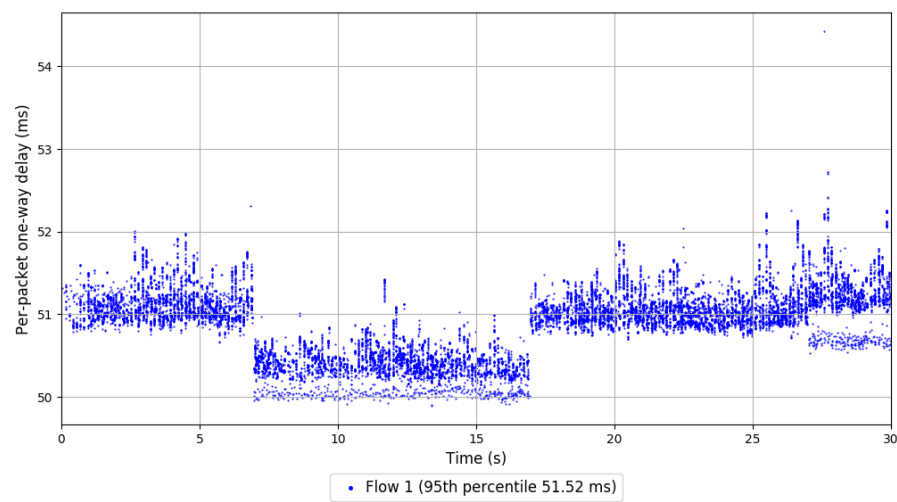
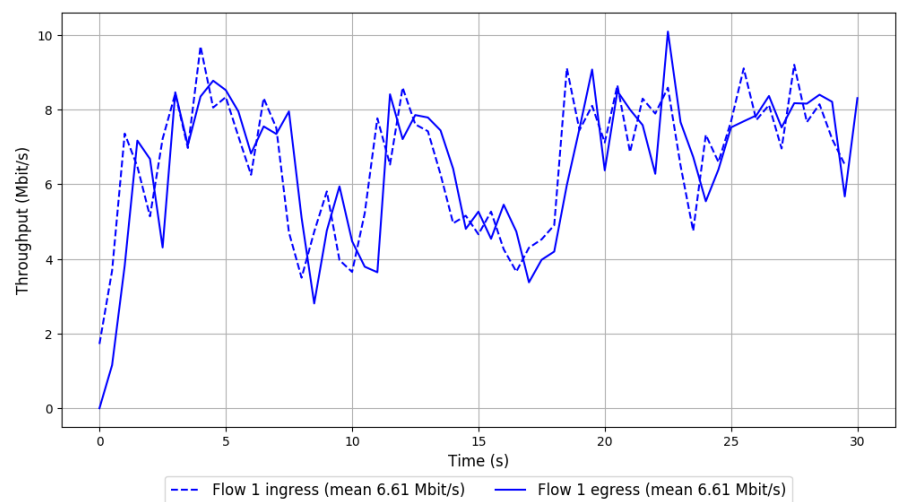


Run 1: Statistics of Sprout

Start at: 2018-07-05 13:08:33
End at: 2018-07-05 13:09:03
Local clock offset: -0.502 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-05 18:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 51.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 51.518 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

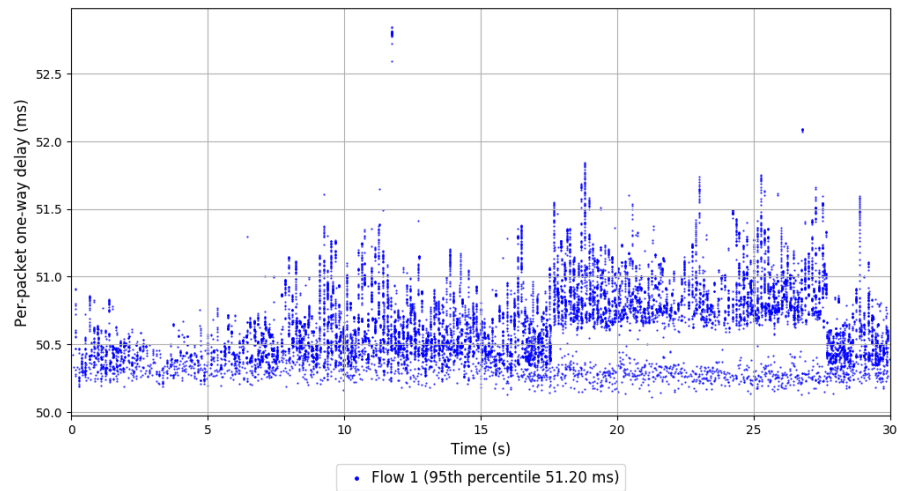
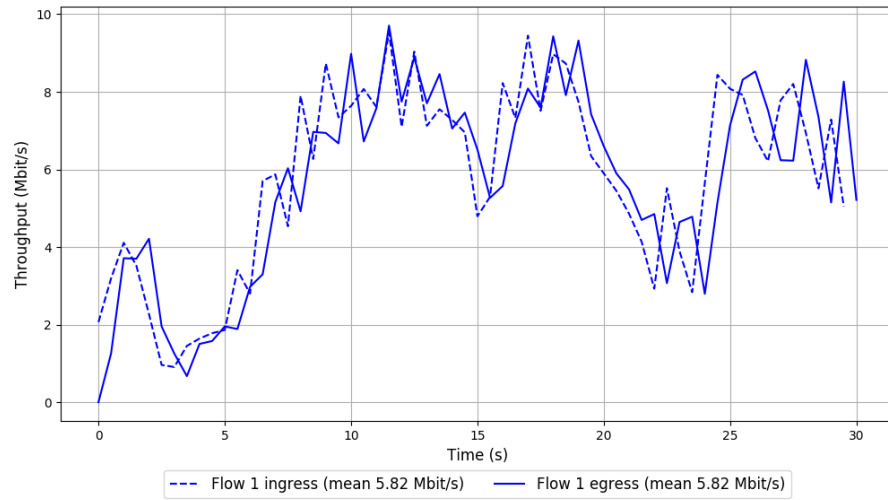


Run 2: Statistics of Sprout

Start at: 2018-07-05 13:30:43
End at: 2018-07-05 13:31:13
Local clock offset: -0.076 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-05 18:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 51.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 51.204 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-05 13:52:44

End at: 2018-07-05 13:53:14

Local clock offset: -0.119 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-05 18:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 51.304 ms

Loss rate: 0.00%

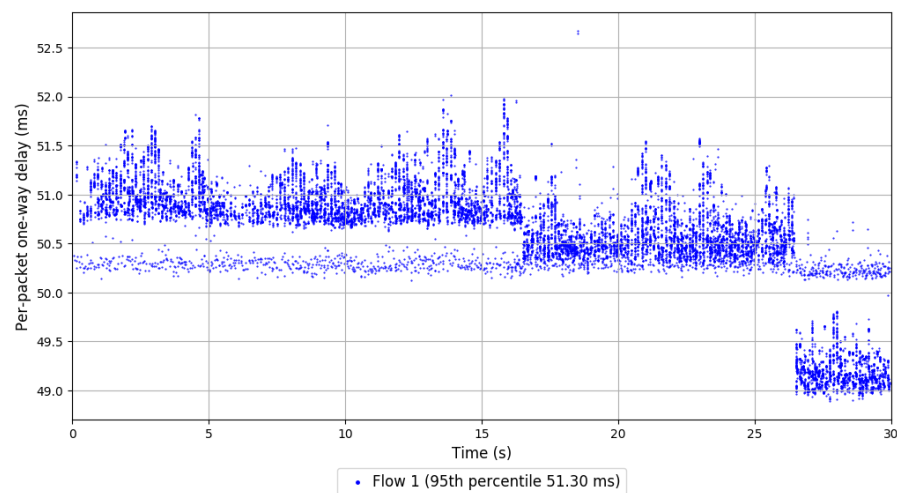
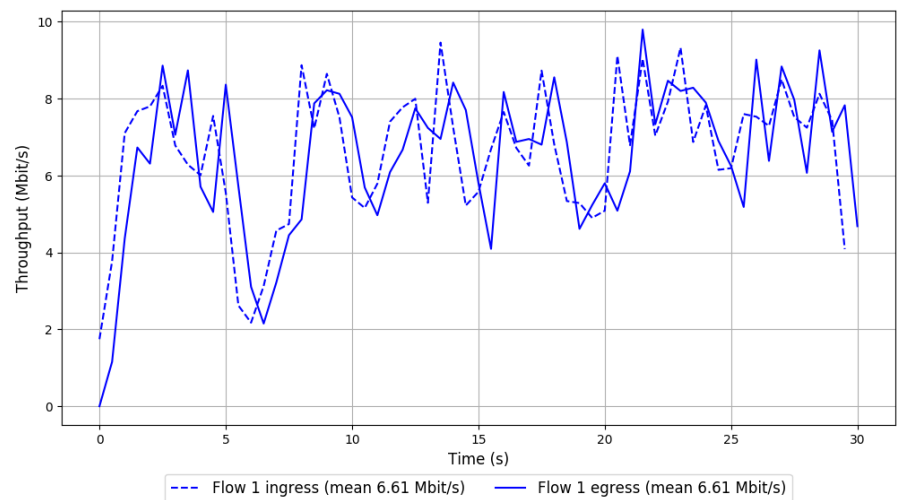
-- Flow 1:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 51.304 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

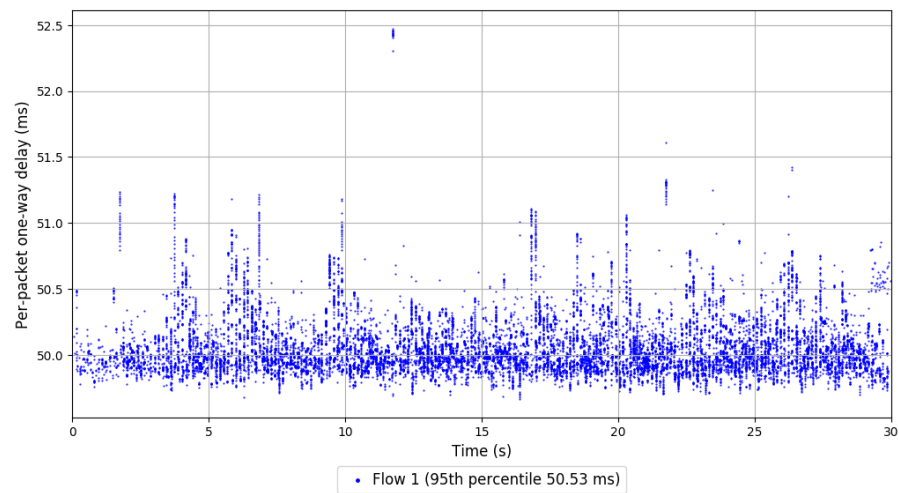
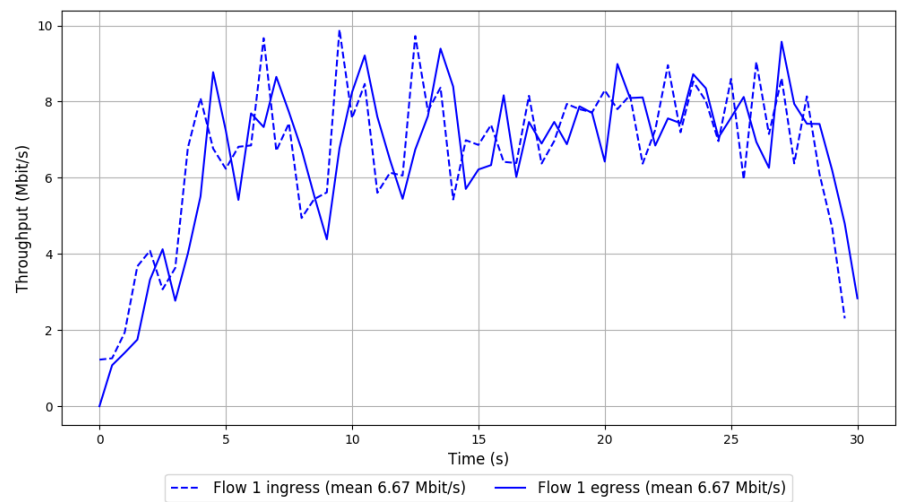


Run 4: Statistics of Sprout

Start at: 2018-07-05 14:15:01
End at: 2018-07-05 14:15:31
Local clock offset: -0.161 ms
Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-05 18:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 50.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 50.526 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

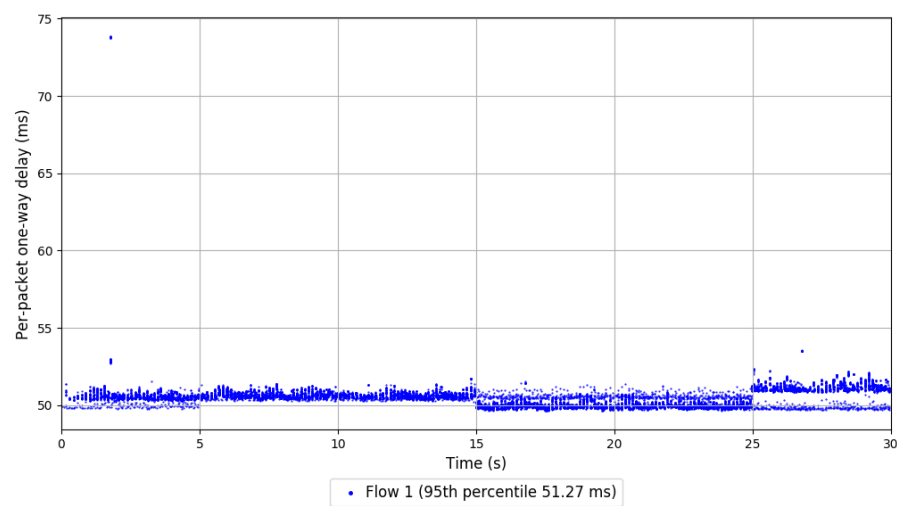
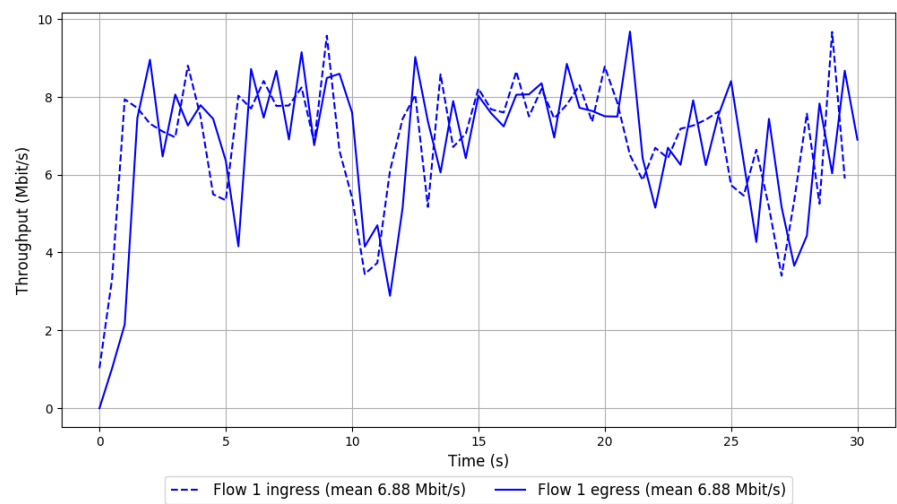


Run 5: Statistics of Sprout

Start at: 2018-07-05 14:36:55
End at: 2018-07-05 14:37:25
Local clock offset: -0.096 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-05 18:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 51.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 51.269 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-05 14:58:24

End at: 2018-07-05 14:58:54

Local clock offset: -0.121 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-05 18:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 50.950 ms

Loss rate: 0.00%

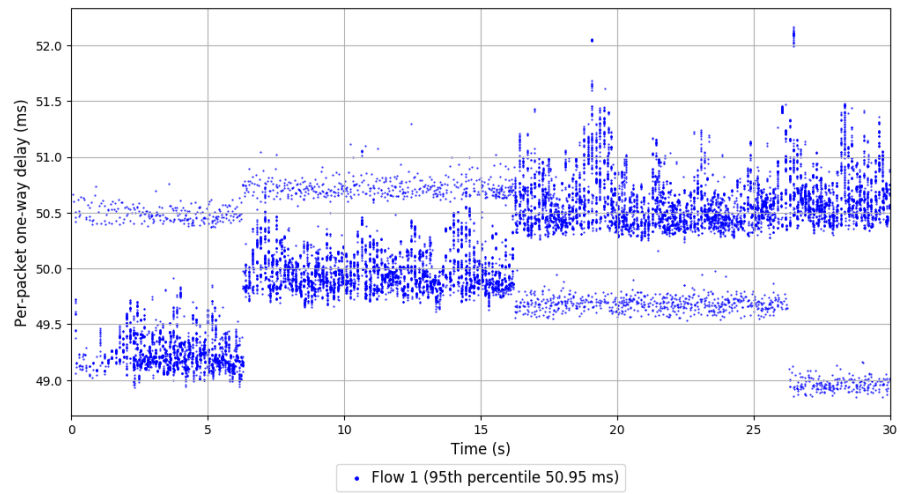
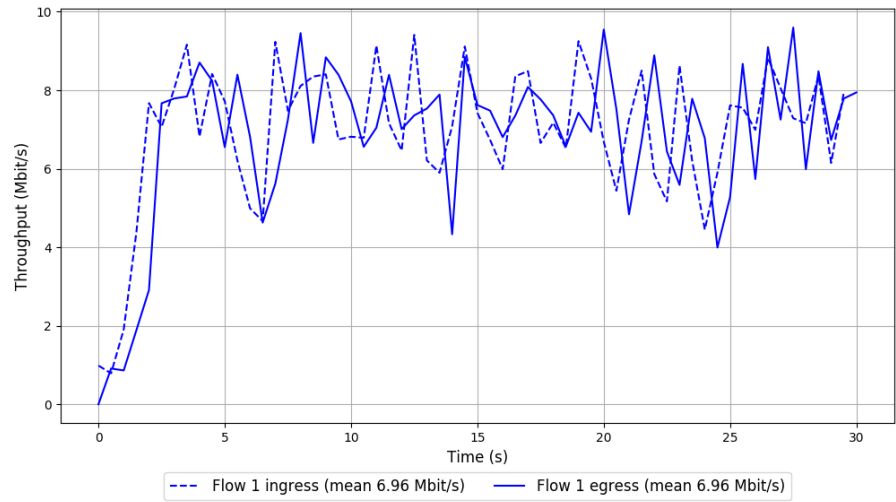
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 50.950 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

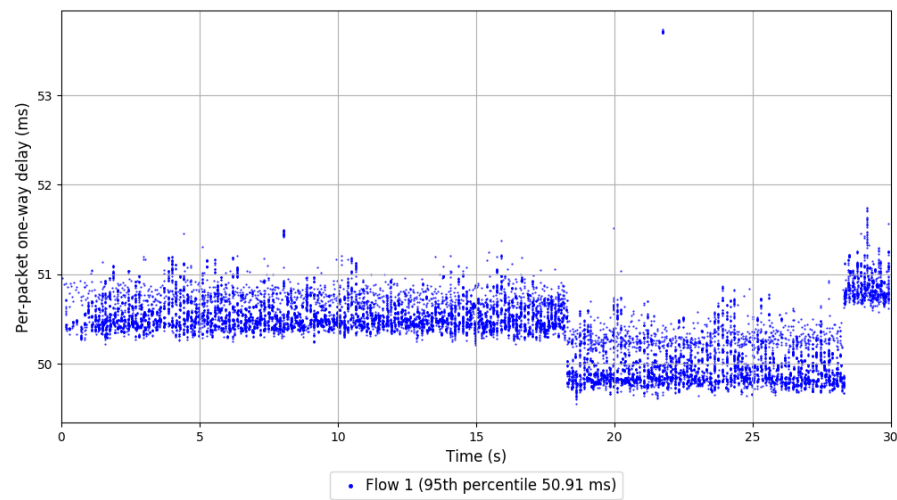
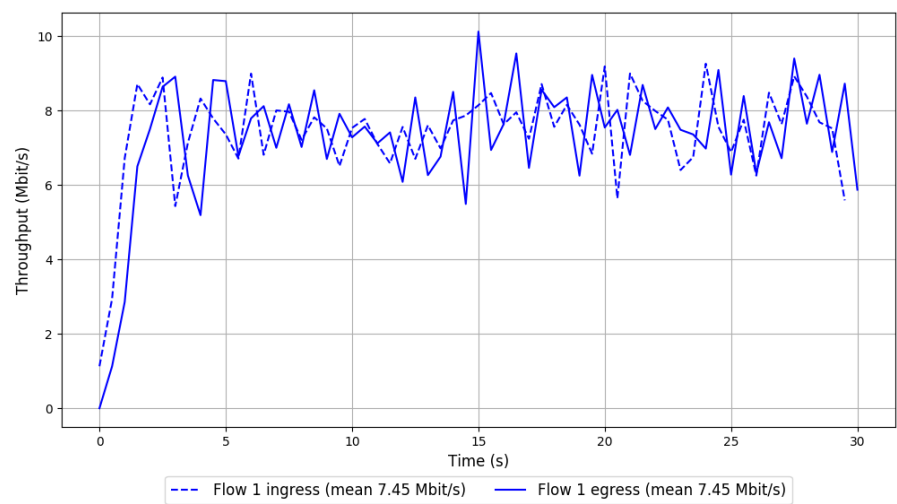


Run 7: Statistics of Sprout

Start at: 2018-07-05 15:20:22
End at: 2018-07-05 15:20:52
Local clock offset: -0.128 ms
Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-05 18:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 50.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 50.911 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-05 15:42:26

End at: 2018-07-05 15:42:56

Local clock offset: -0.121 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-05 18:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 50.781 ms

Loss rate: 0.00%

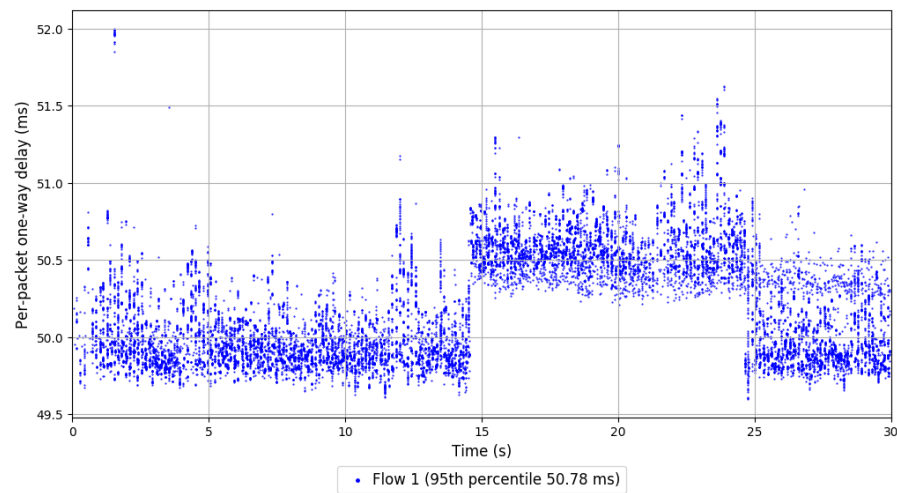
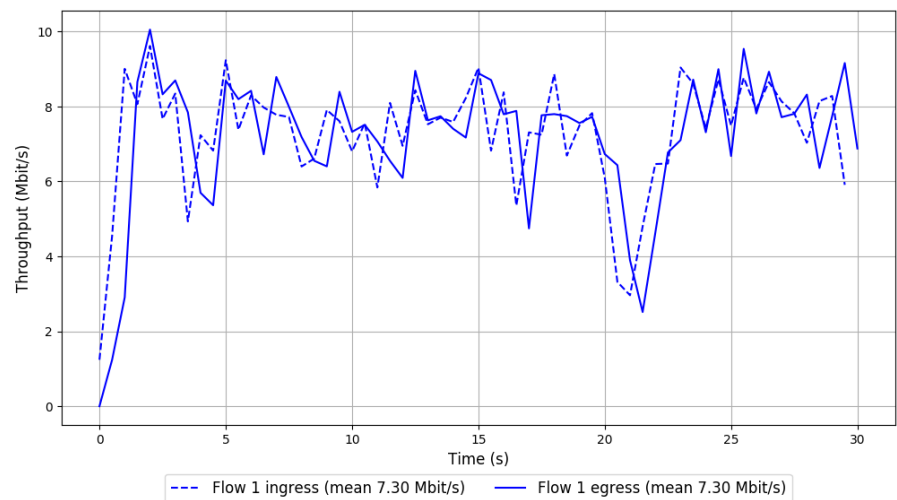
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 50.781 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-05 16:04:13

End at: 2018-07-05 16:04:43

Local clock offset: -0.398 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-05 18:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.60 Mbit/s

95th percentile per-packet one-way delay: 51.682 ms

Loss rate: 0.00%

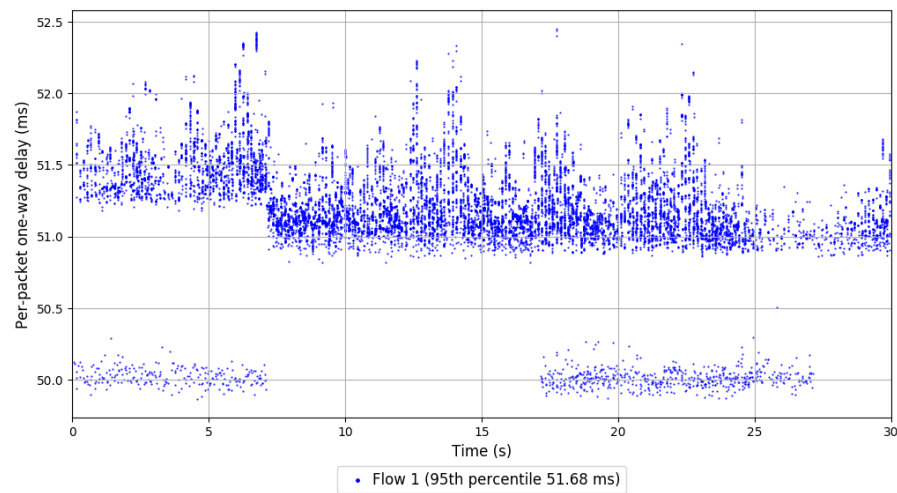
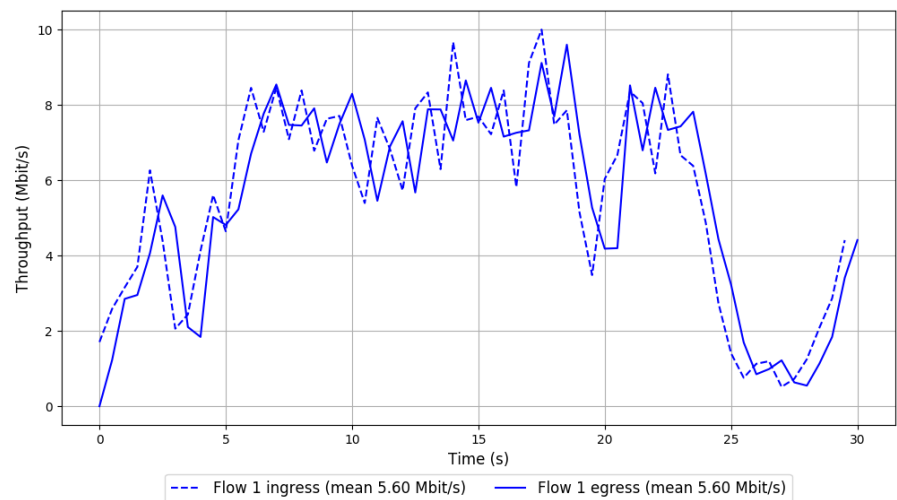
-- Flow 1:

Average throughput: 5.60 Mbit/s

95th percentile per-packet one-way delay: 51.682 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-05 16:26:14

End at: 2018-07-05 16:26:44

Local clock offset: 0.291 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-07-05 18:01:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 50.279 ms

Loss rate: 0.00%

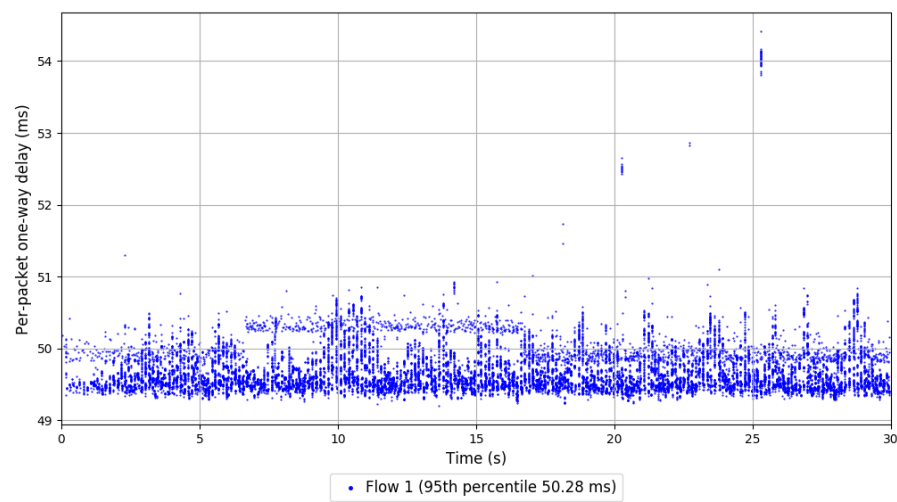
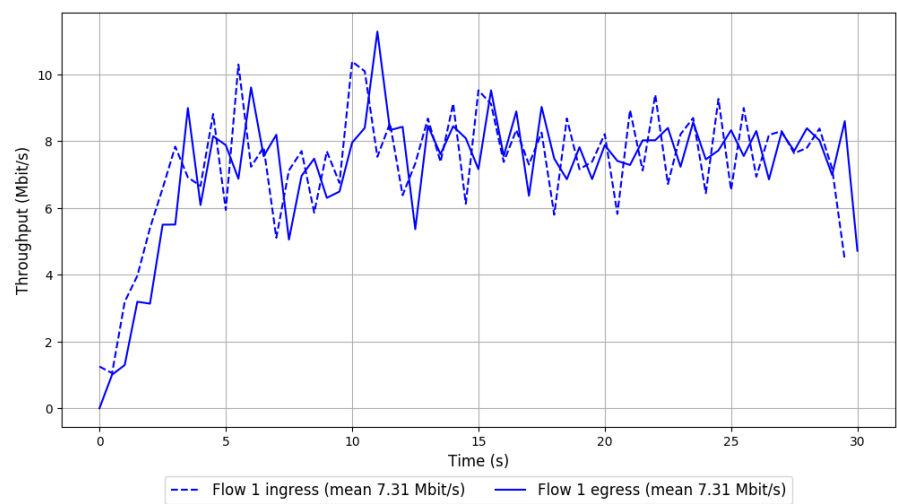
-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 50.279 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

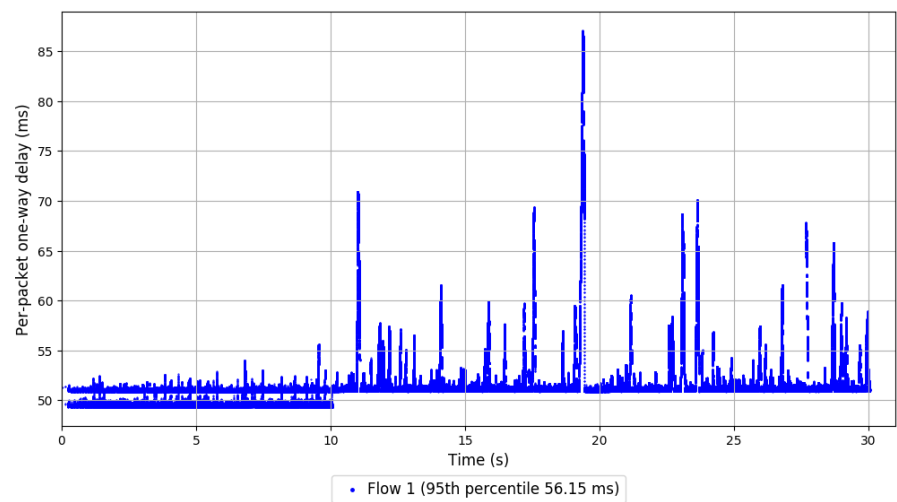
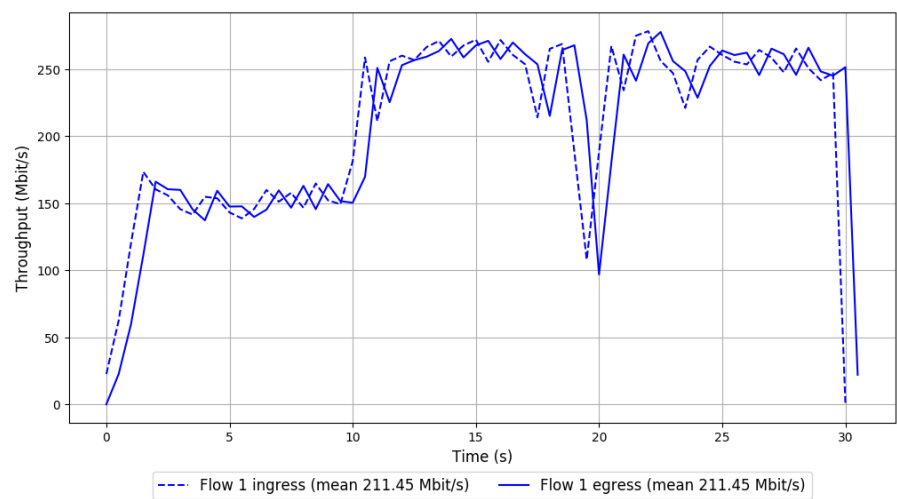


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-05 13:07:10
End at: 2018-07-05 13:07:40
Local clock offset: -0.463 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-07-05 18:01:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.45 Mbit/s
95th percentile per-packet one-way delay: 56.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.45 Mbit/s
95th percentile per-packet one-way delay: 56.146 ms
Loss rate: 0.00%
```


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

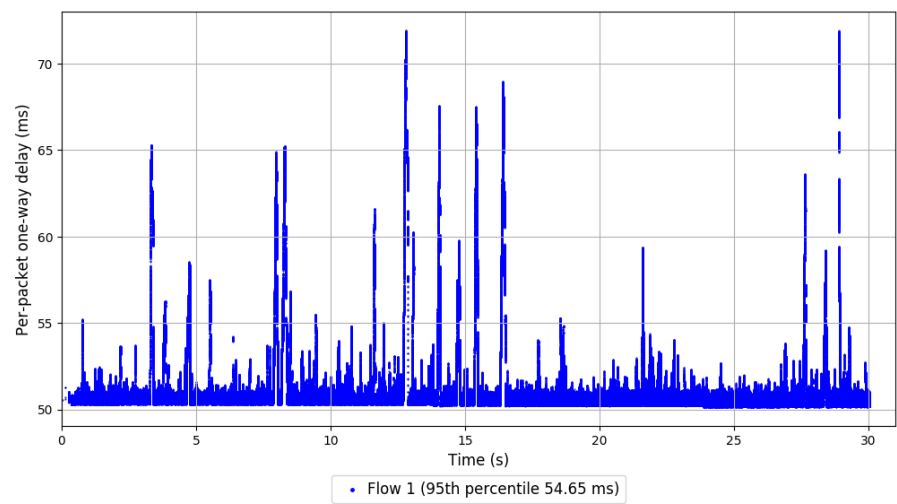
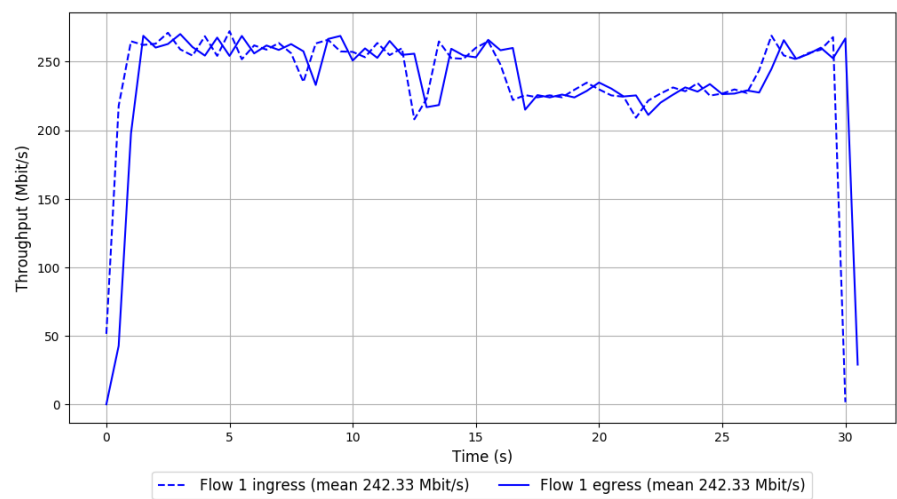


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-05 13:29:17
End at: 2018-07-05 13:29:47
Local clock offset: -0.109 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-05 18:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.33 Mbit/s
95th percentile per-packet one-way delay: 54.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.33 Mbit/s
95th percentile per-packet one-way delay: 54.646 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-05 13:51:17

End at: 2018-07-05 13:51:47

Local clock offset: -0.47 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 18:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.06 Mbit/s

95th percentile per-packet one-way delay: 54.451 ms

Loss rate: 0.00%

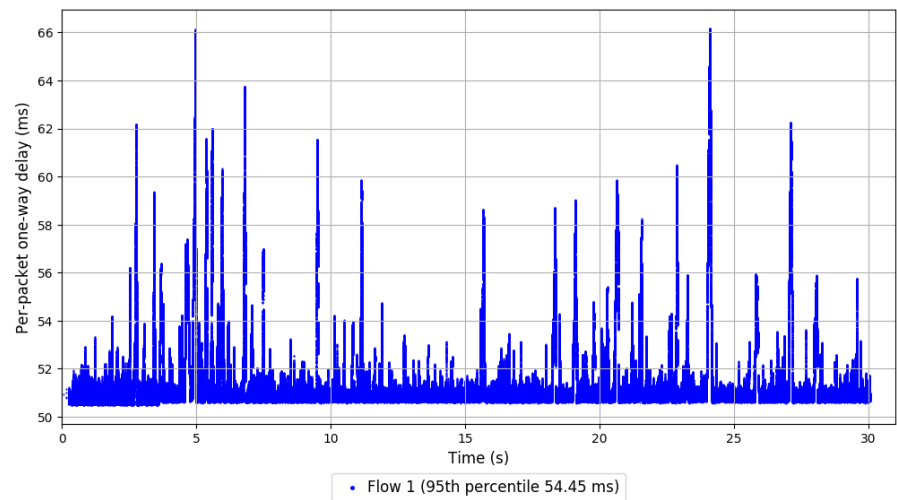
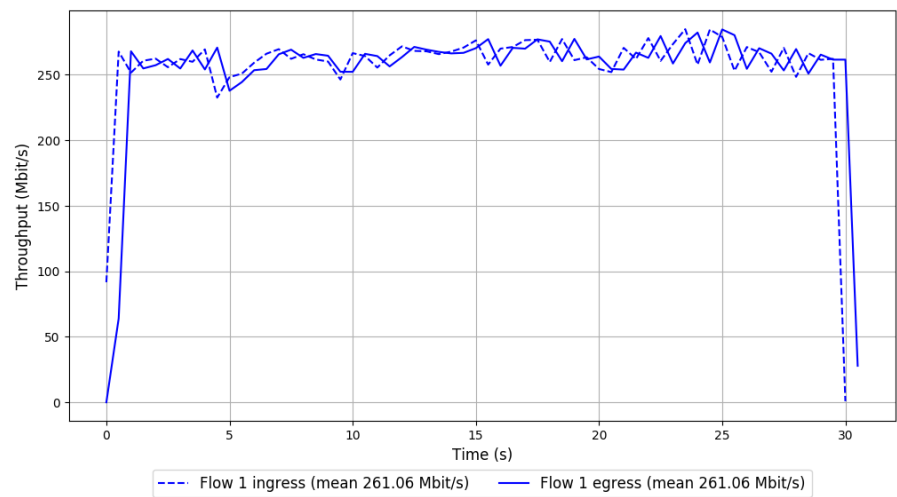
-- Flow 1:

Average throughput: 261.06 Mbit/s

95th percentile per-packet one-way delay: 54.451 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-05 14:13:35

End at: 2018-07-05 14:14:05

Local clock offset: -0.141 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-05 18:06:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.75 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.00%

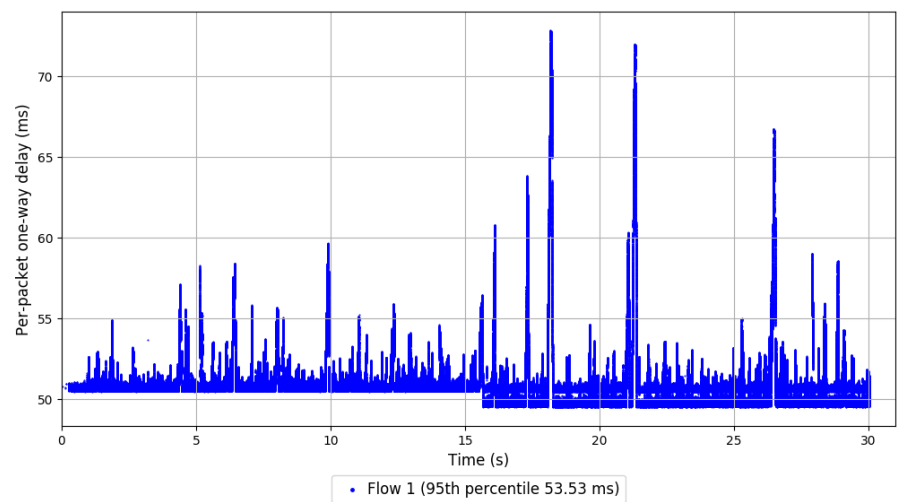
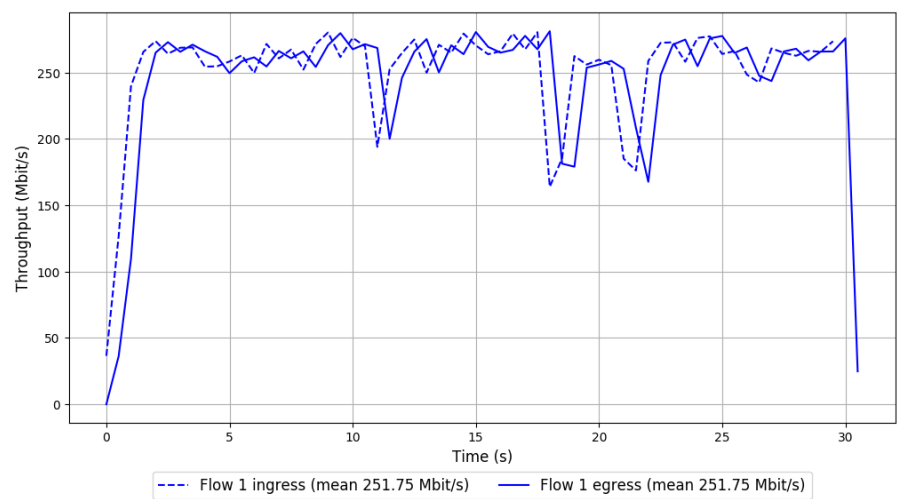
-- Flow 1:

Average throughput: 251.75 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-05 14:35:29

End at: 2018-07-05 14:35:59

Local clock offset: -0.441 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-05 18:07:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.10 Mbit/s

95th percentile per-packet one-way delay: 53.382 ms

Loss rate: 0.00%

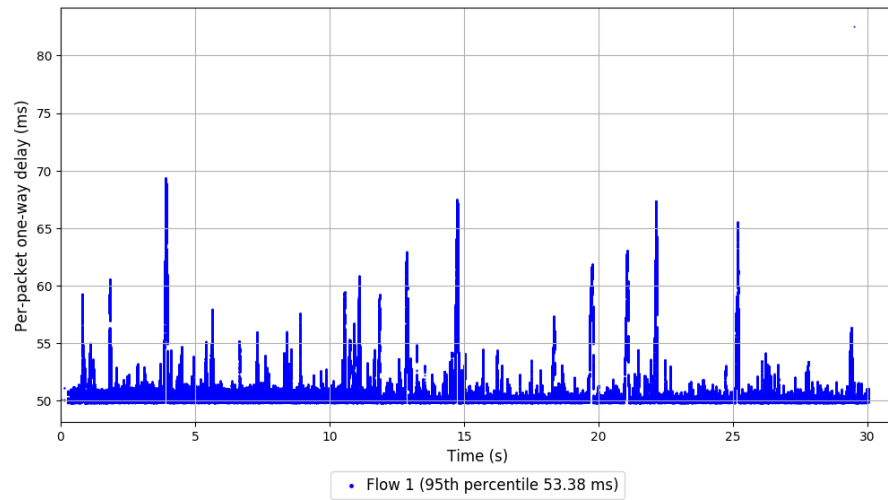
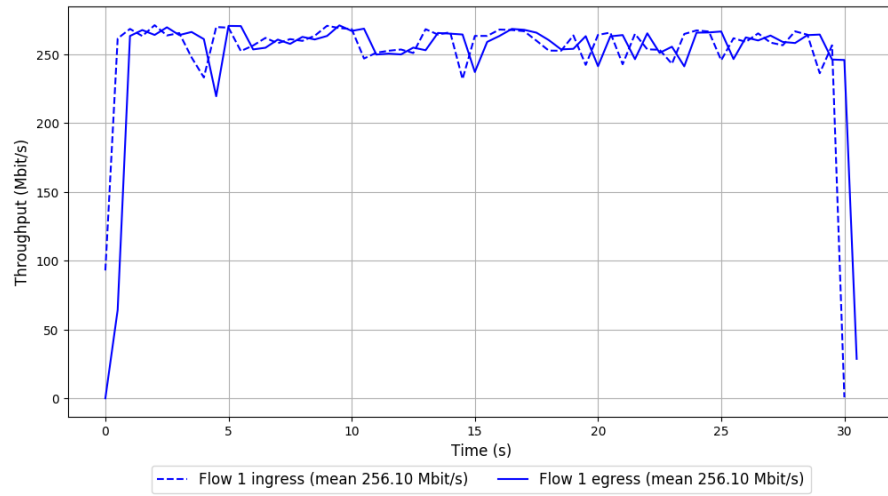
-- Flow 1:

Average throughput: 256.10 Mbit/s

95th percentile per-packet one-way delay: 53.382 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-05 14:57:03

End at: 2018-07-05 14:57:33

Local clock offset: -0.079 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-05 18:07:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.04 Mbit/s

95th percentile per-packet one-way delay: 54.155 ms

Loss rate: 0.00%

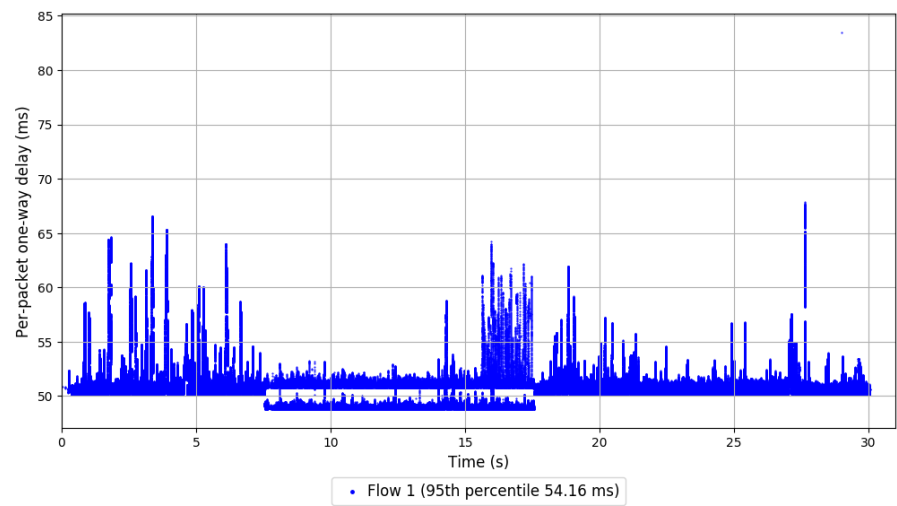
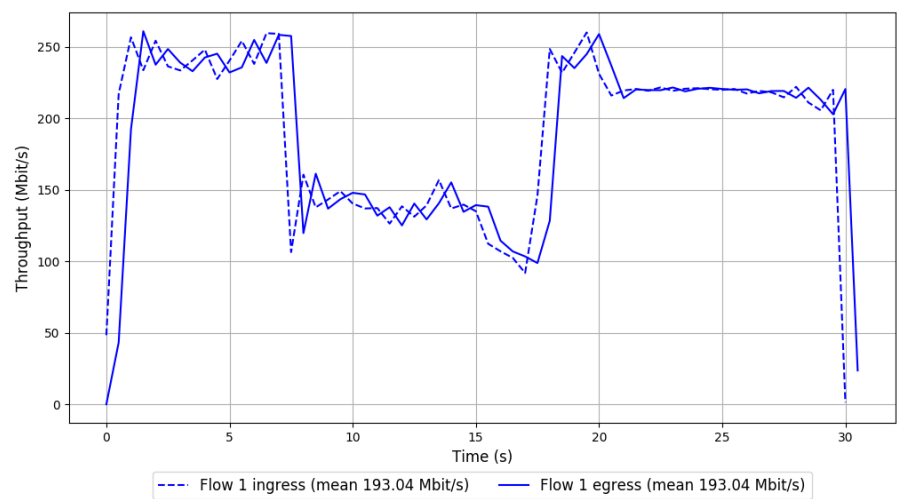
-- Flow 1:

Average throughput: 193.04 Mbit/s

95th percentile per-packet one-way delay: 54.155 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-05 15:18:57

End at: 2018-07-05 15:19:27

Local clock offset: 0.254 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-05 18:07:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.84 Mbit/s

95th percentile per-packet one-way delay: 54.291 ms

Loss rate: 0.01%

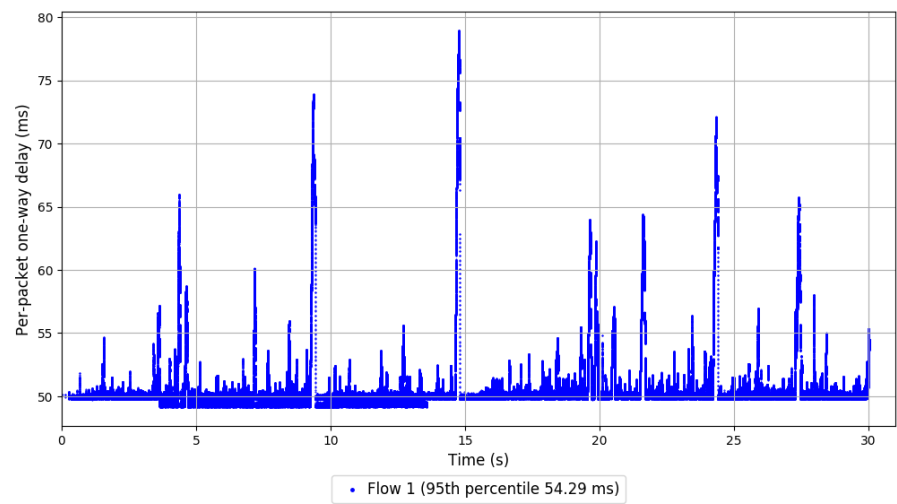
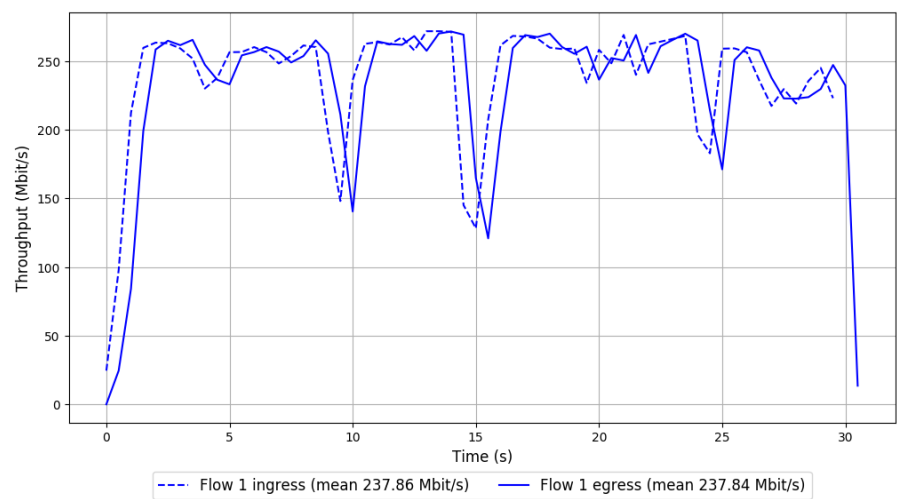
-- Flow 1:

Average throughput: 237.84 Mbit/s

95th percentile per-packet one-way delay: 54.291 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-05 15:40:59

End at: 2018-07-05 15:41:29

Local clock offset: -0.093 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-05 18:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.36 Mbit/s

95th percentile per-packet one-way delay: 53.833 ms

Loss rate: 0.00%

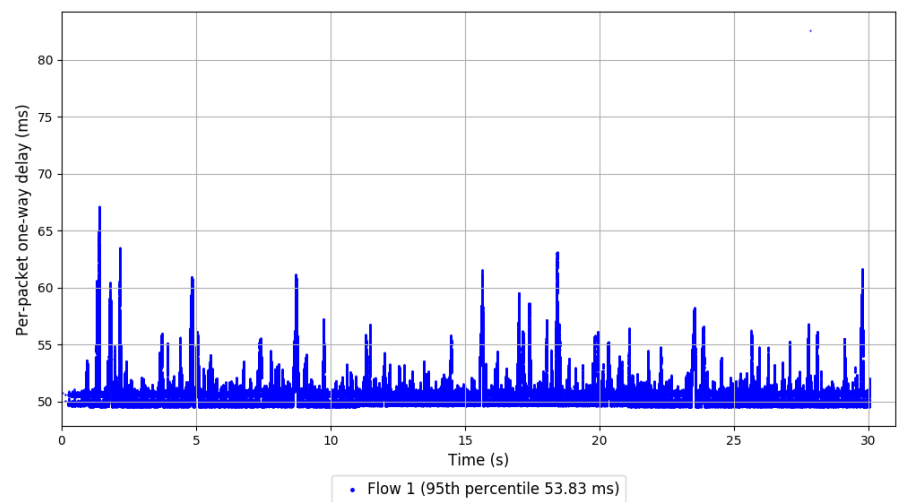
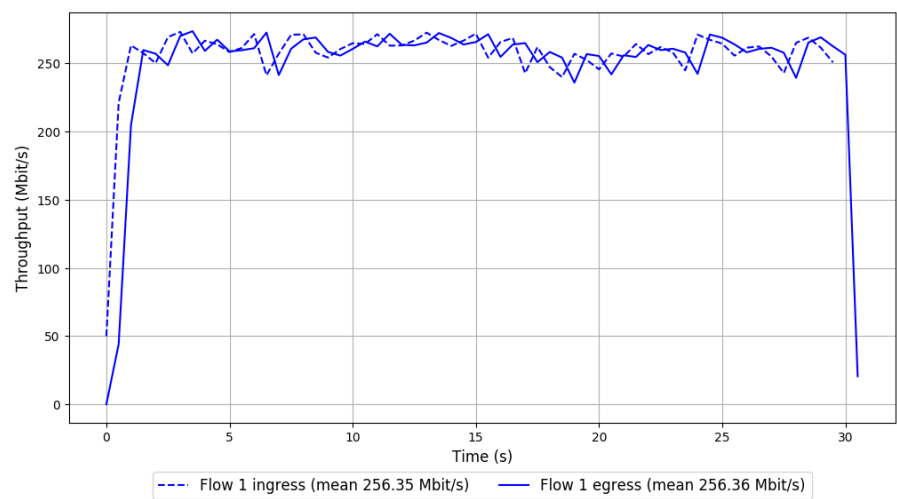
-- Flow 1:

Average throughput: 256.36 Mbit/s

95th percentile per-packet one-way delay: 53.833 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-05 16:02:47

End at: 2018-07-05 16:03:17

Local clock offset: -0.013 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-05 18:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.78 Mbit/s

95th percentile per-packet one-way delay: 55.619 ms

Loss rate: 0.00%

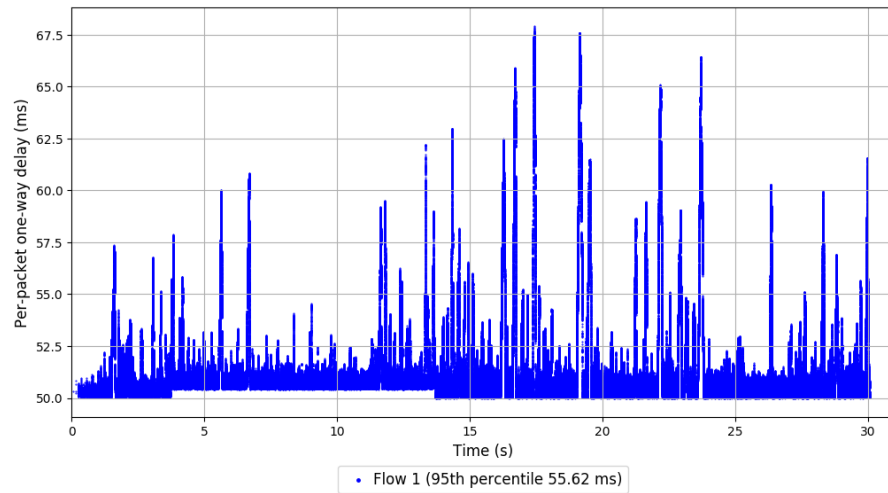
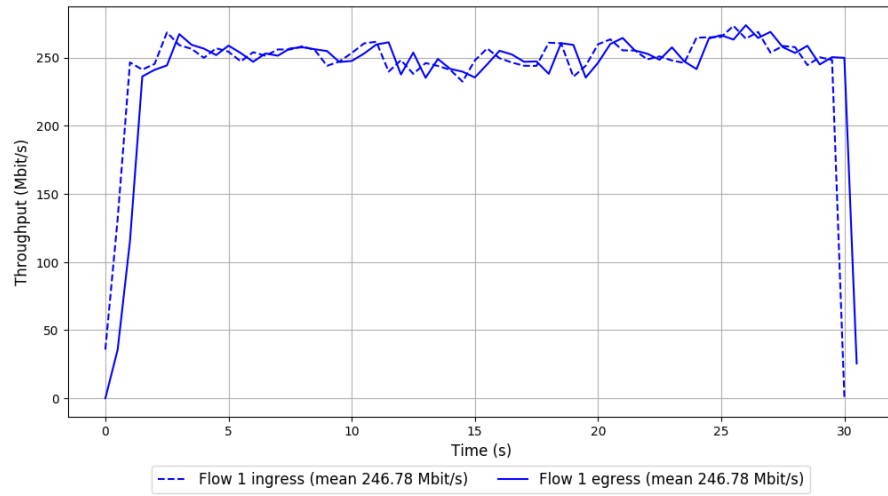
-- Flow 1:

Average throughput: 246.78 Mbit/s

95th percentile per-packet one-way delay: 55.619 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-05 16:24:53

End at: 2018-07-05 16:25:23

Local clock offset: -0.055 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-05 18:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.07 Mbit/s

95th percentile per-packet one-way delay: 53.154 ms

Loss rate: 0.09%

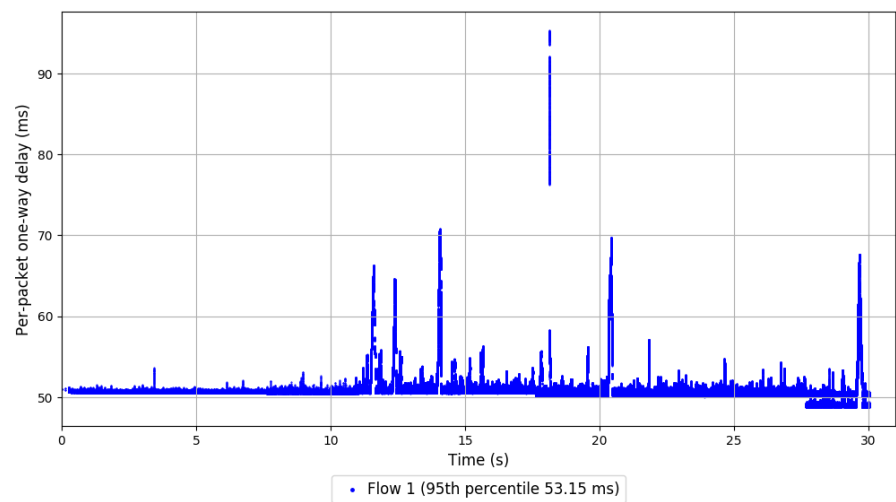
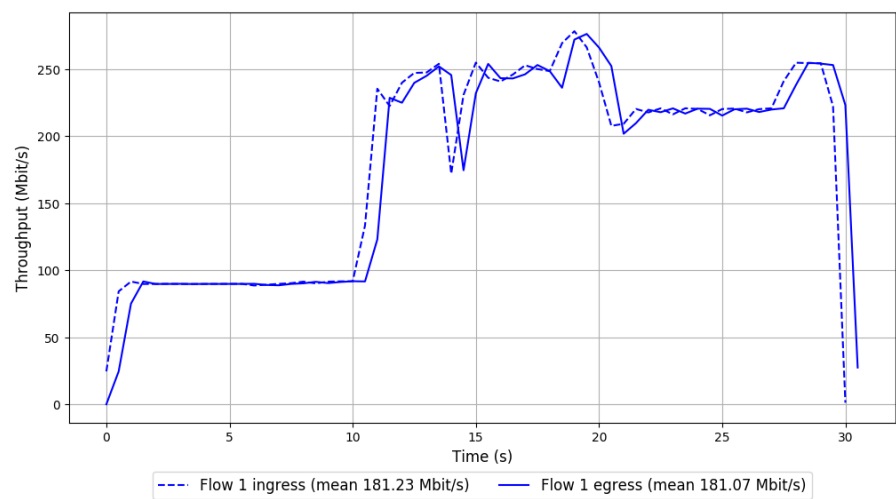
-- Flow 1:

Average throughput: 181.07 Mbit/s

95th percentile per-packet one-way delay: 53.154 ms

Loss rate: 0.09%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-05 13:00:39

End at: 2018-07-05 13:01:09

Local clock offset: -0.125 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-05 18:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.57 Mbit/s

95th percentile per-packet one-way delay: 51.705 ms

Loss rate: 0.00%

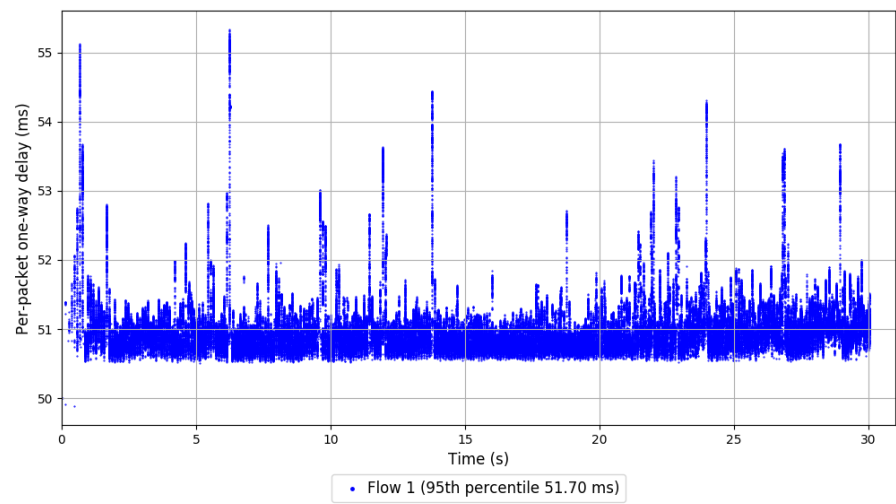
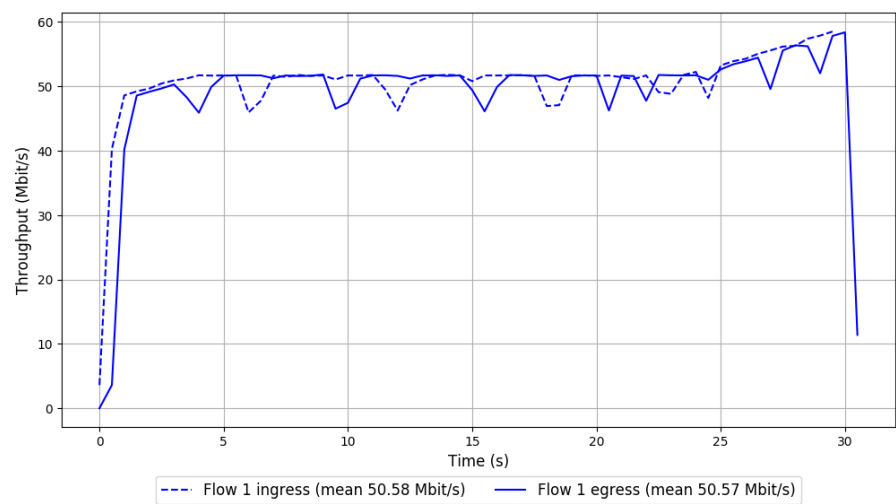
-- Flow 1:

Average throughput: 50.57 Mbit/s

95th percentile per-packet one-way delay: 51.705 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

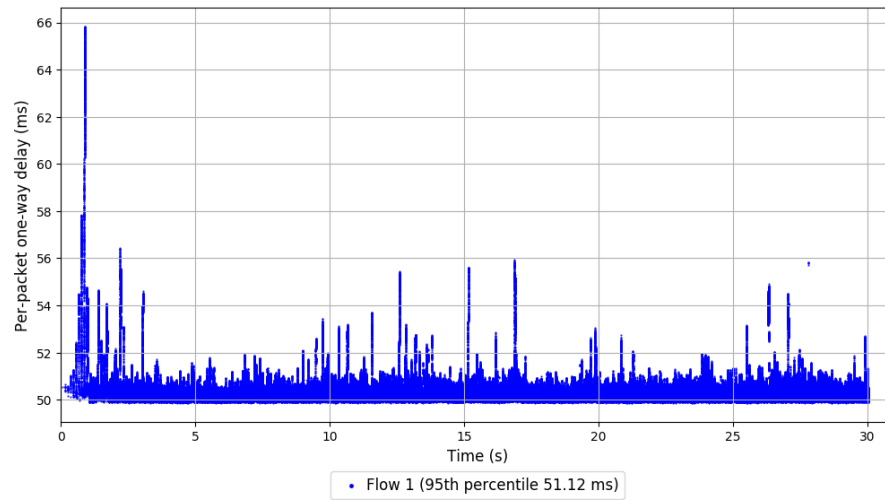
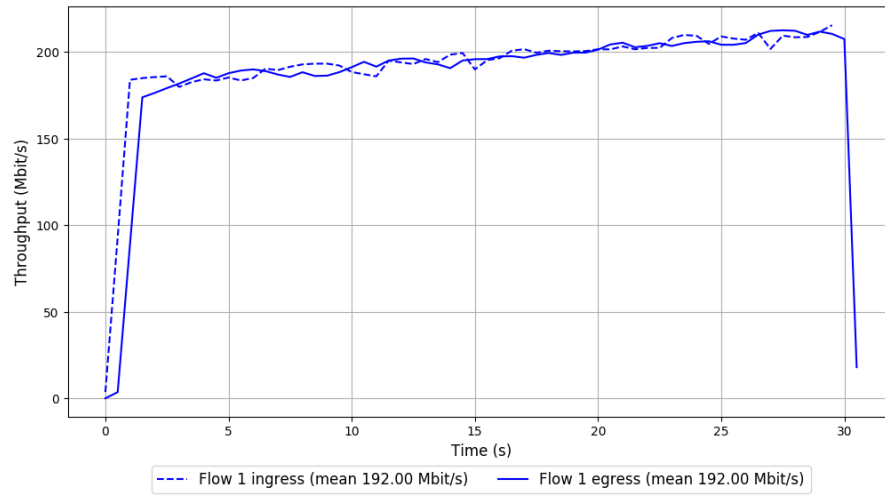


Run 2: Statistics of TCP Vegas

Start at: 2018-07-05 13:22:44
End at: 2018-07-05 13:23:14
Local clock offset: 0.236 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-05 18:09:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.00 Mbit/s
95th percentile per-packet one-way delay: 51.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.00 Mbit/s
95th percentile per-packet one-way delay: 51.118 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

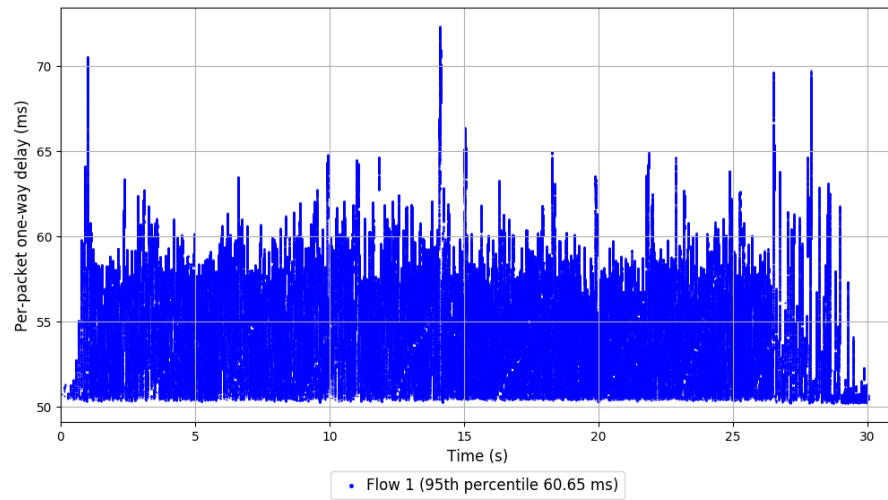
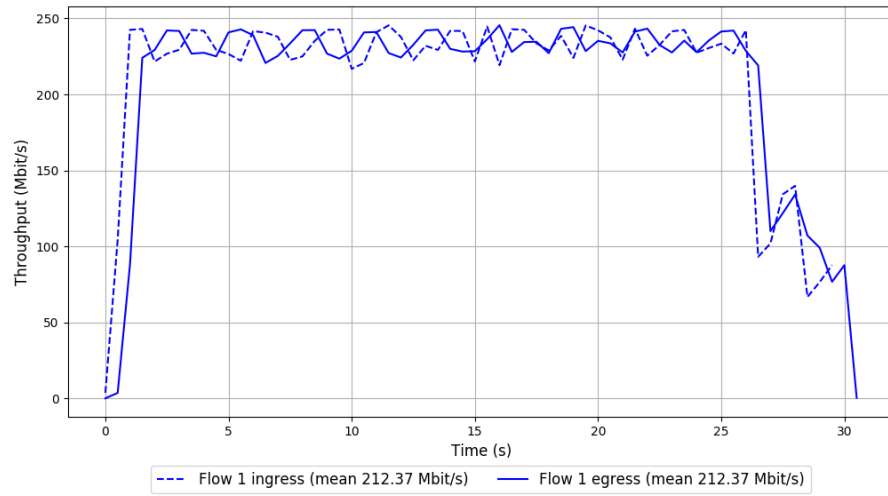


Run 3: Statistics of TCP Vegas

Start at: 2018-07-05 13:44:33
End at: 2018-07-05 13:45:03
Local clock offset: -0.104 ms
Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-05 18:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 60.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.37 Mbit/s
95th percentile per-packet one-way delay: 60.648 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

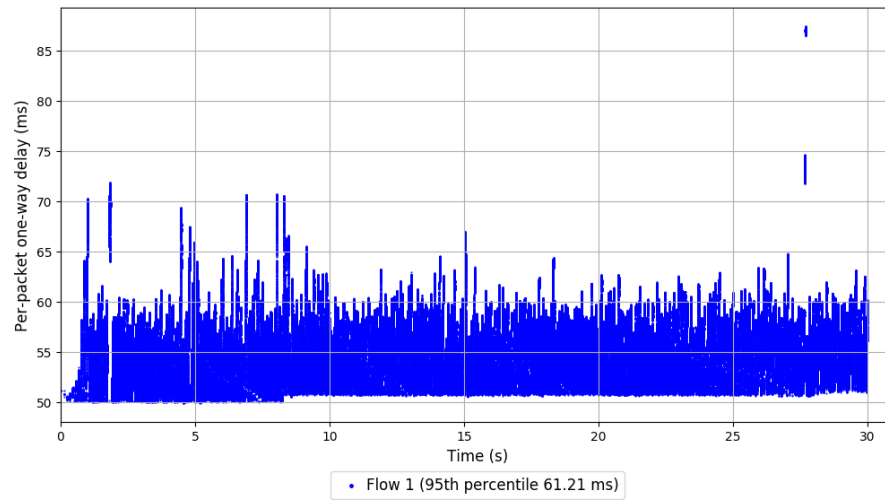
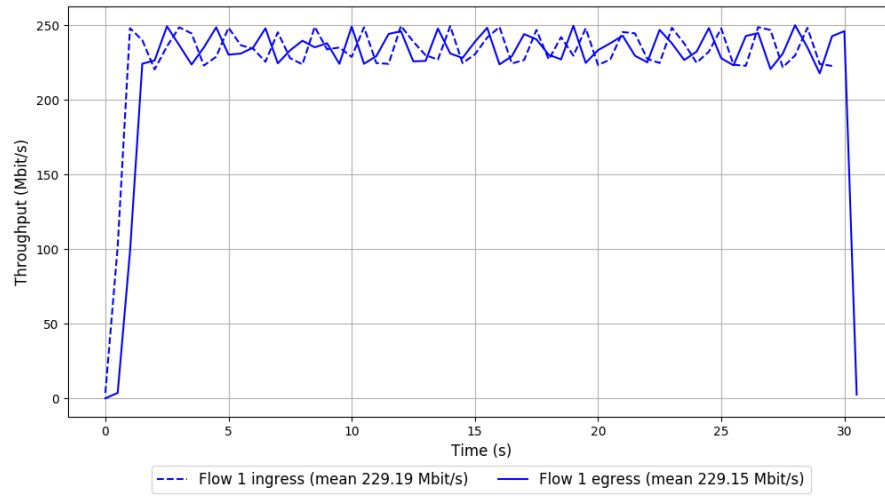


Run 4: Statistics of TCP Vegas

Start at: 2018-07-05 14:06:52
End at: 2018-07-05 14:07:22
Local clock offset: -0.509 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-05 18:11:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.15 Mbit/s
95th percentile per-packet one-way delay: 61.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.15 Mbit/s
95th percentile per-packet one-way delay: 61.213 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

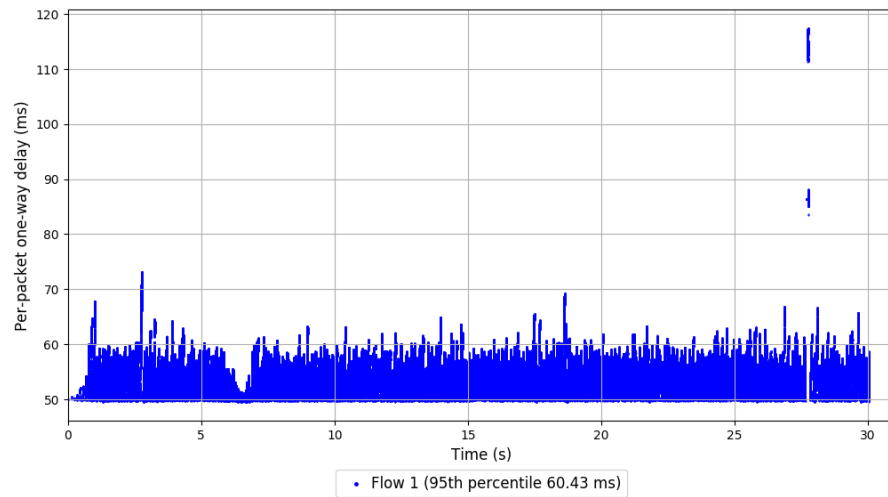
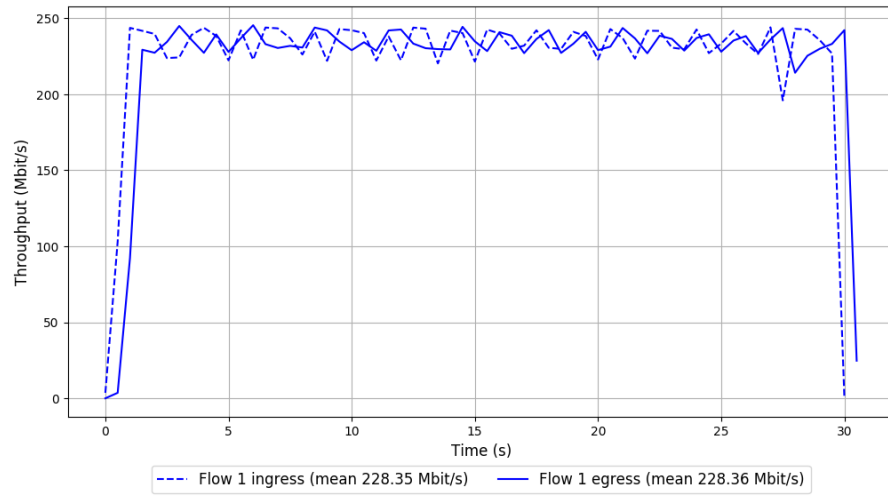


Run 5: Statistics of TCP Vegas

Start at: 2018-07-05 14:28:52
End at: 2018-07-05 14:29:22
Local clock offset: -0.081 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-05 18:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.36 Mbit/s
95th percentile per-packet one-way delay: 60.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.36 Mbit/s
95th percentile per-packet one-way delay: 60.428 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-05 14:50:38

End at: 2018-07-05 14:51:08

Local clock offset: -0.442 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-05 18:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 52.764 ms

Loss rate: 0.00%

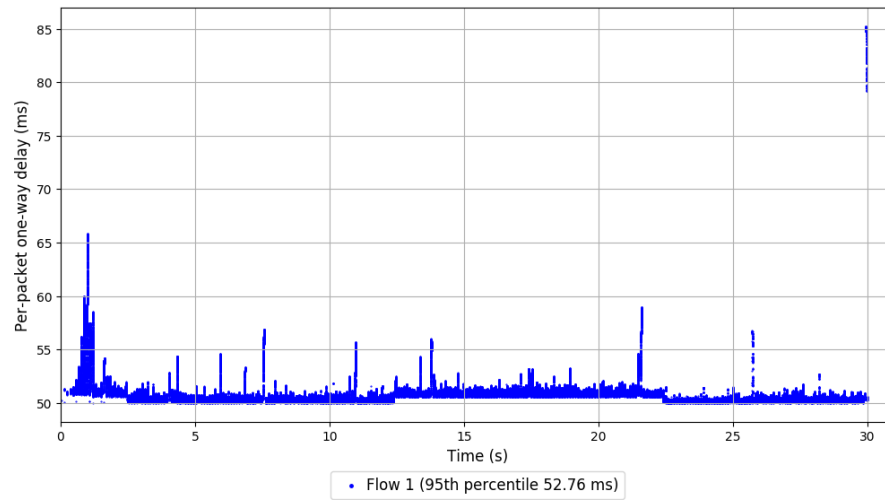
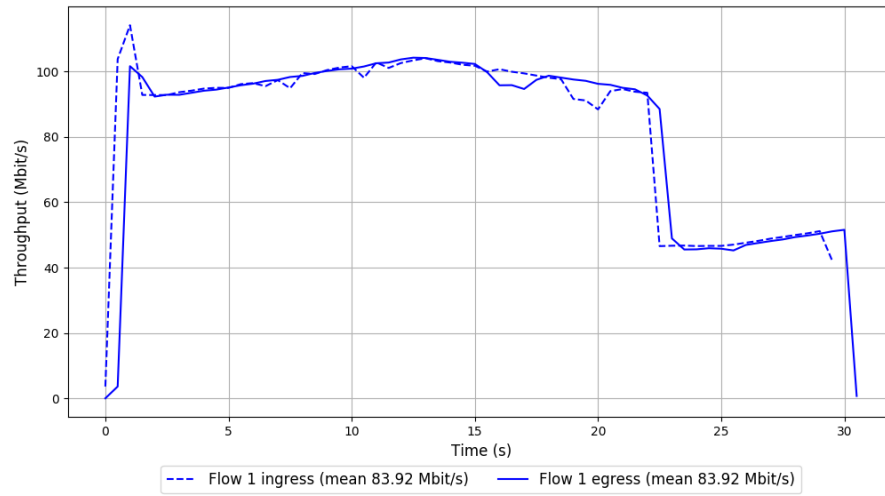
-- Flow 1:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 52.764 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

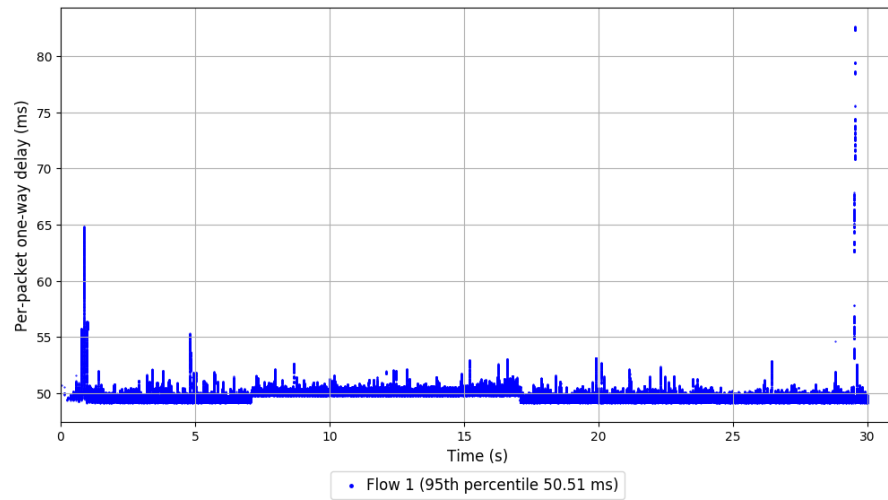
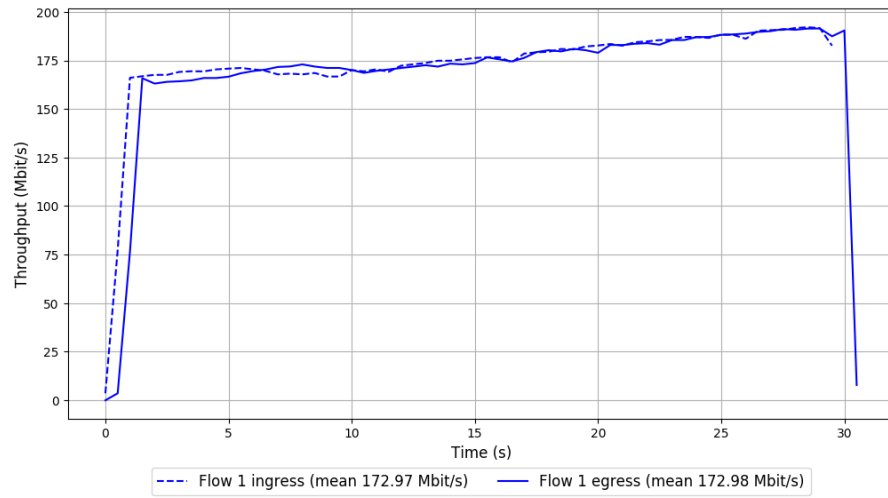


Run 7: Statistics of TCP Vegas

Start at: 2018-07-05 15:12:23
End at: 2018-07-05 15:12:53
Local clock offset: 0.231 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-05 18:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.98 Mbit/s
95th percentile per-packet one-way delay: 50.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.98 Mbit/s
95th percentile per-packet one-way delay: 50.511 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

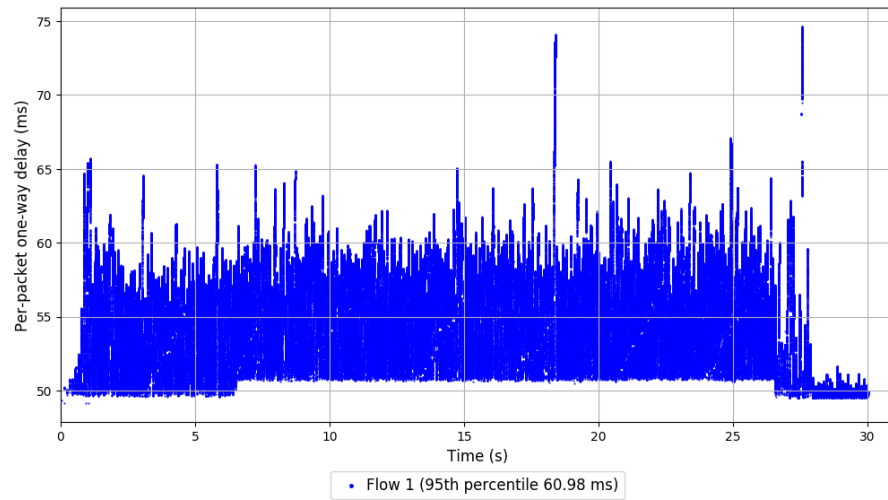
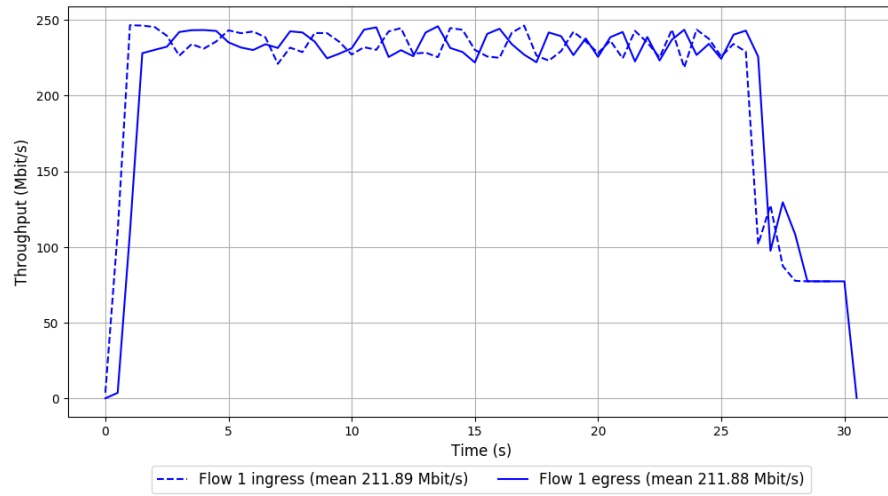


Run 8: Statistics of TCP Vegas

Start at: 2018-07-05 15:34:24
End at: 2018-07-05 15:34:54
Local clock offset: -0.135 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-05 18:11:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.88 Mbit/s
95th percentile per-packet one-way delay: 60.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.88 Mbit/s
95th percentile per-packet one-way delay: 60.975 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-05 15:56:27

End at: 2018-07-05 15:56:57

Local clock offset: -0.094 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-05 18:11:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.32 Mbit/s

95th percentile per-packet one-way delay: 52.521 ms

Loss rate: 0.00%

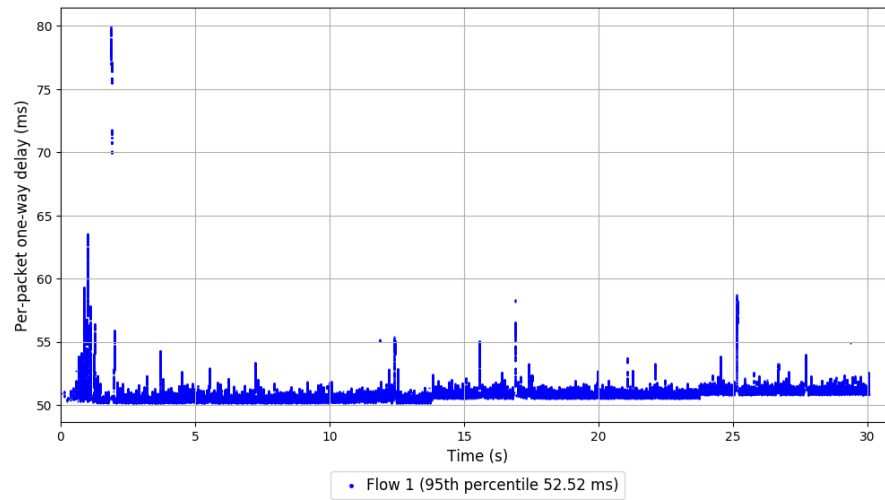
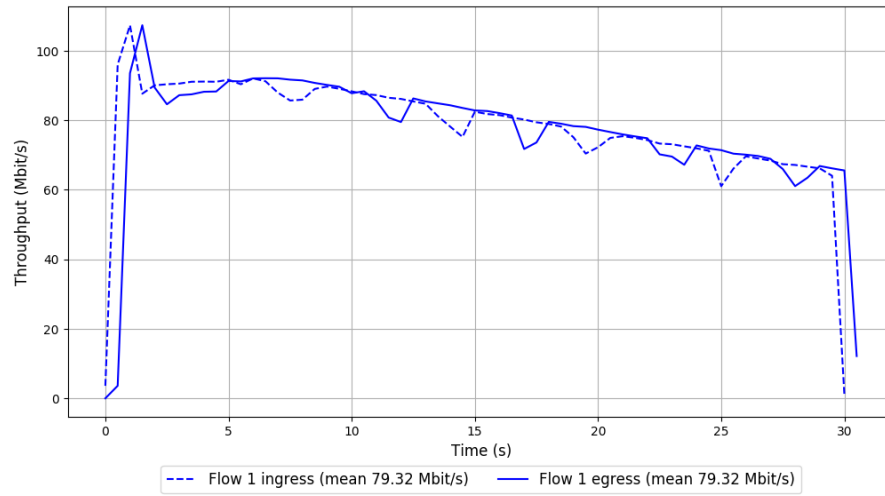
-- Flow 1:

Average throughput: 79.32 Mbit/s

95th percentile per-packet one-way delay: 52.521 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-05 16:18:21

End at: 2018-07-05 16:18:51

Local clock offset: -0.068 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-05 18:12:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.82 Mbit/s

95th percentile per-packet one-way delay: 61.608 ms

Loss rate: 0.00%

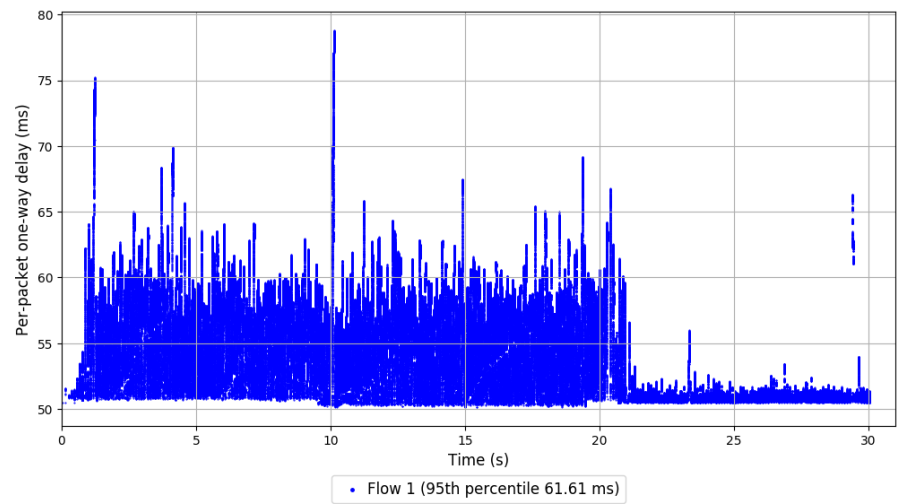
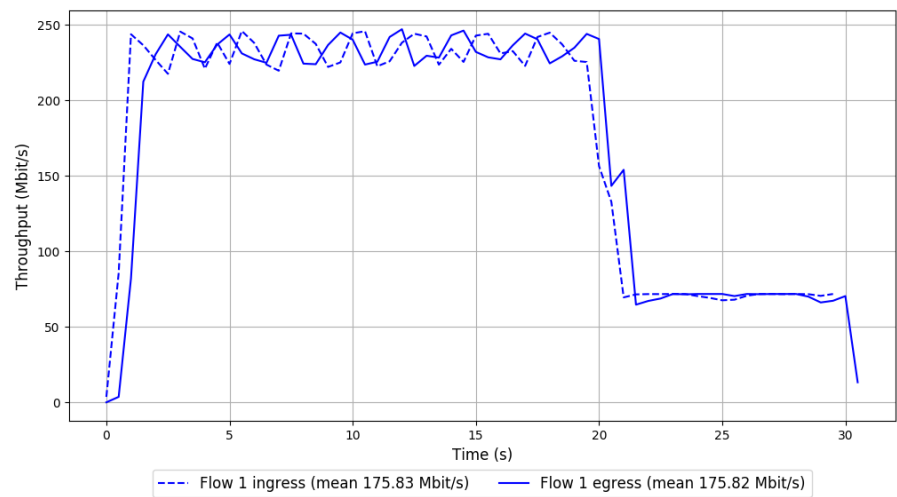
-- Flow 1:

Average throughput: 175.82 Mbit/s

95th percentile per-packet one-way delay: 61.608 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

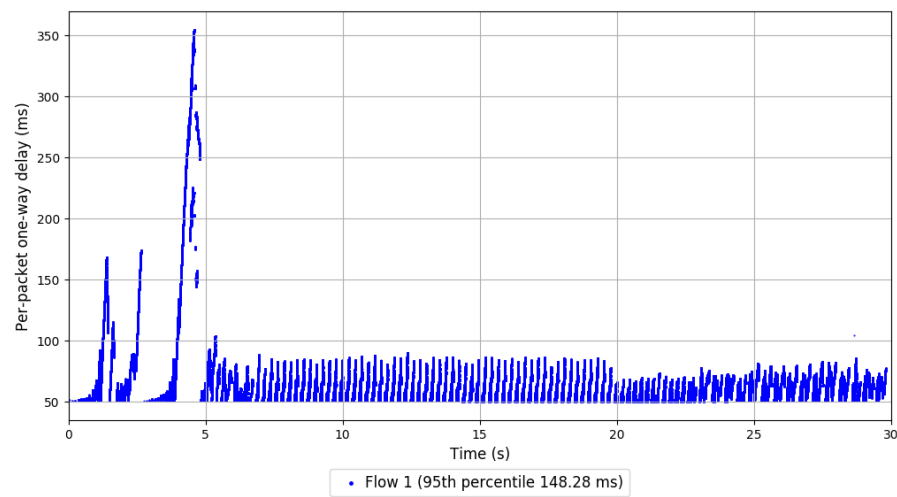
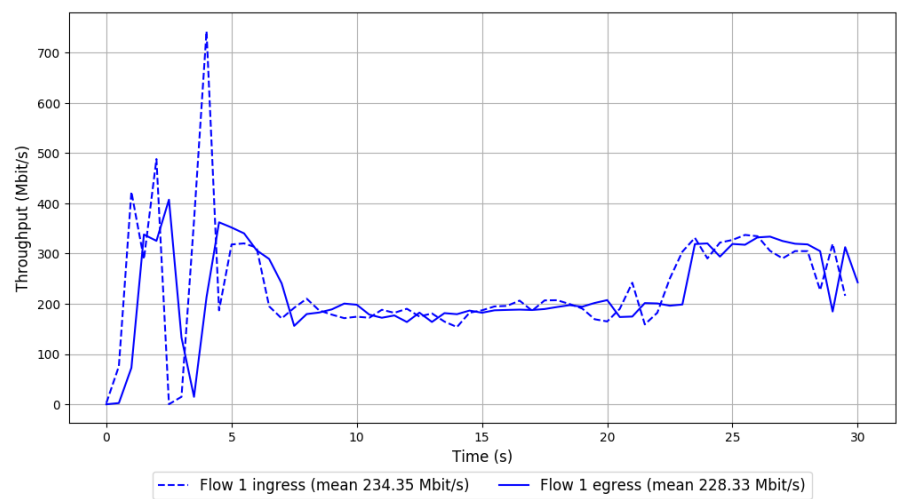


Run 1: Statistics of Verus

Start at: 2018-07-05 13:04:26
End at: 2018-07-05 13:04:56
Local clock offset: -0.098 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-05 18:13:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 148.277 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 148.277 ms
Loss rate: 2.57%

Run 1: Report of Verus — Data Link

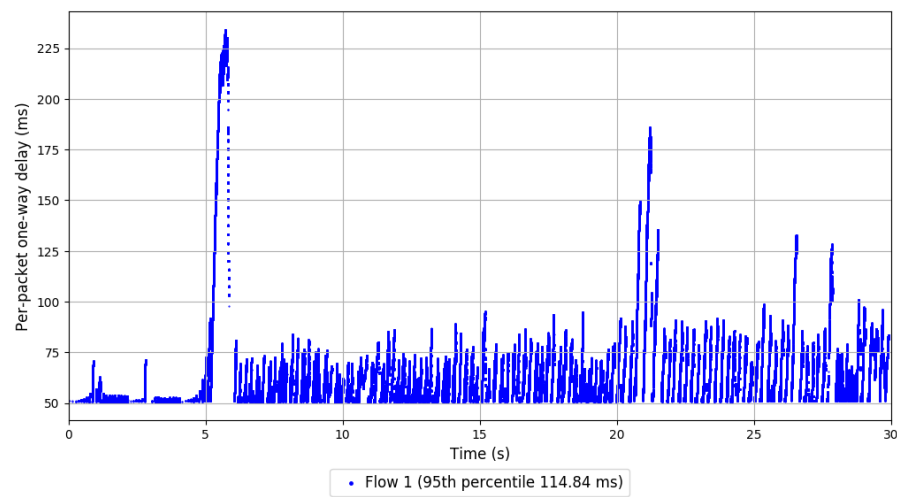
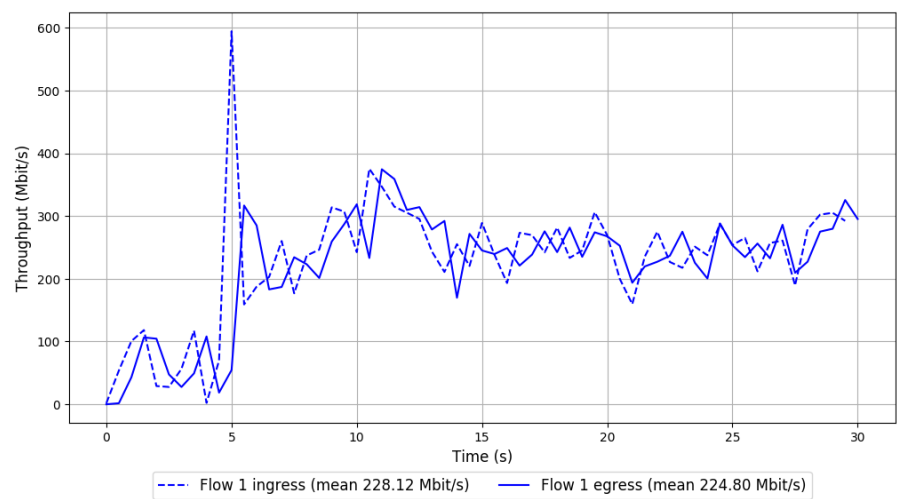


Run 2: Statistics of Verus

Start at: 2018-07-05 13:26:36
End at: 2018-07-05 13:27:06
Local clock offset: -0.488 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-05 18:13:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 114.844 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 224.80 Mbit/s
95th percentile per-packet one-way delay: 114.844 ms
Loss rate: 1.44%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-05 13:48:25

End at: 2018-07-05 13:48:55

Local clock offset: -0.076 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-05 18:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.03 Mbit/s

95th percentile per-packet one-way delay: 97.737 ms

Loss rate: 1.80%

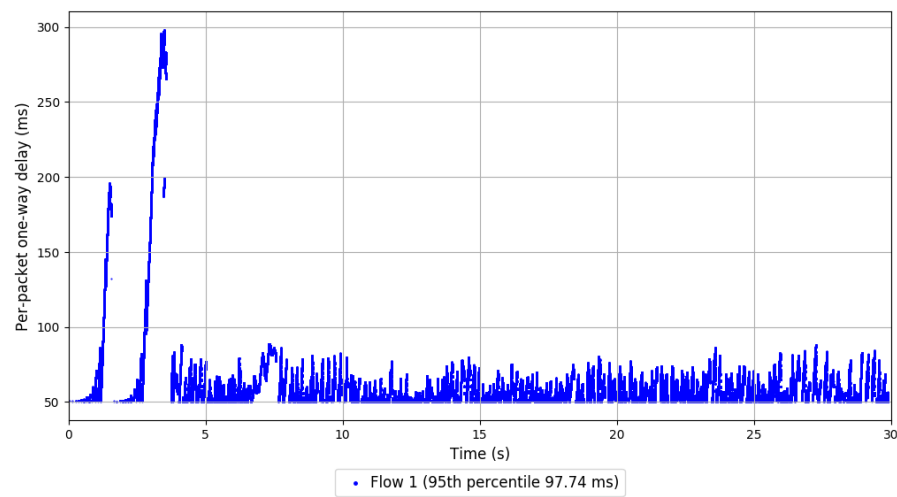
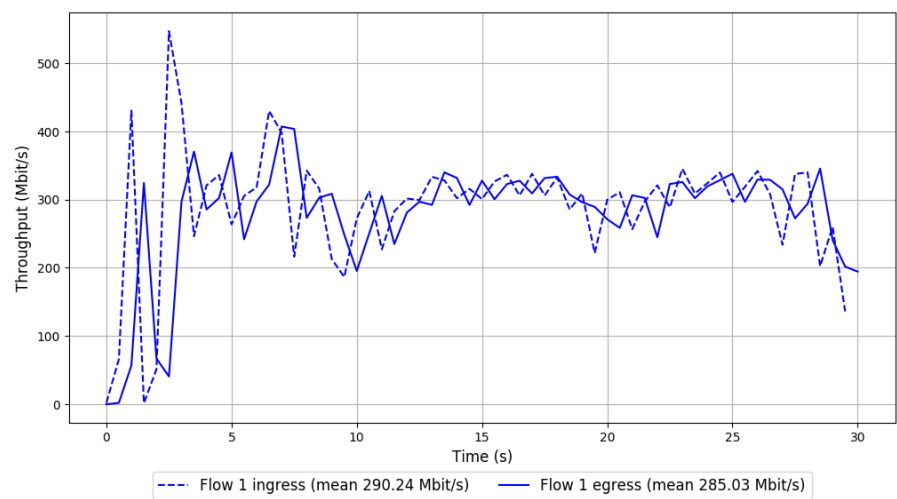
-- Flow 1:

Average throughput: 285.03 Mbit/s

95th percentile per-packet one-way delay: 97.737 ms

Loss rate: 1.80%

Run 3: Report of Verus — Data Link

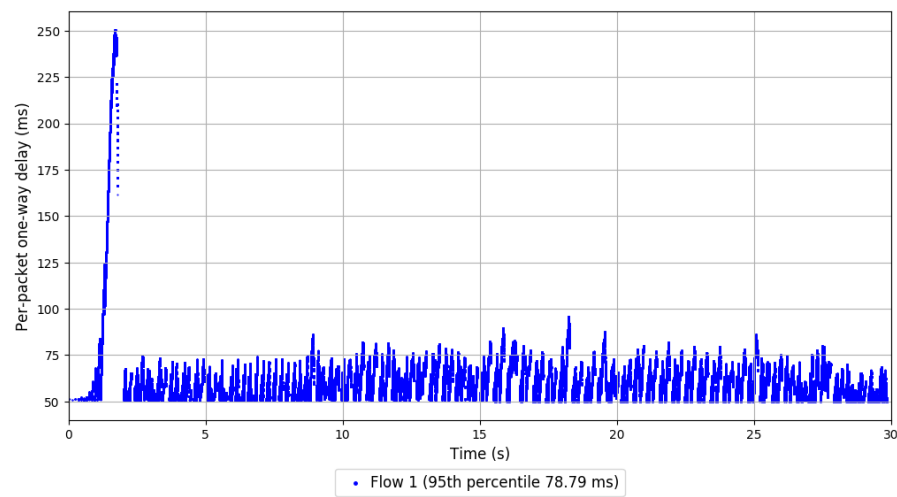
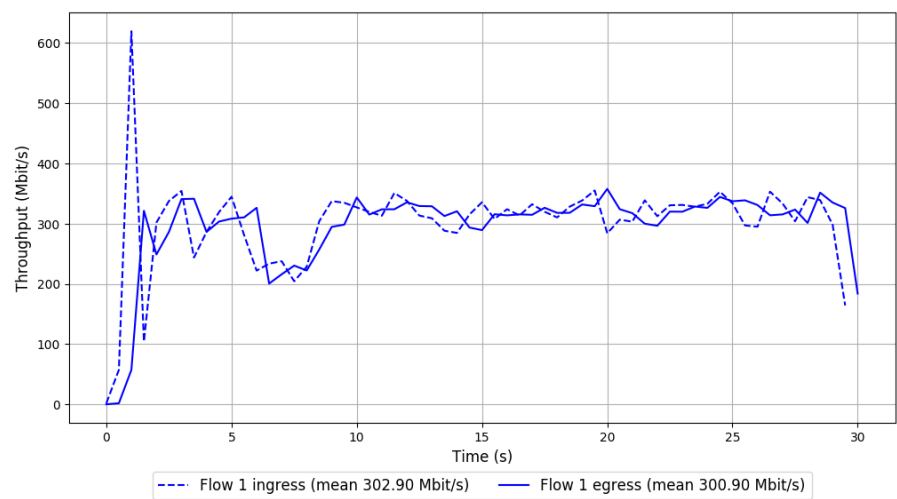


Run 4: Statistics of Verus

Start at: 2018-07-05 14:10:45
End at: 2018-07-05 14:11:15
Local clock offset: -0.492 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-05 18:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.90 Mbit/s
95th percentile per-packet one-way delay: 78.794 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 300.90 Mbit/s
95th percentile per-packet one-way delay: 78.794 ms
Loss rate: 0.66%

Run 4: Report of Verus — Data Link

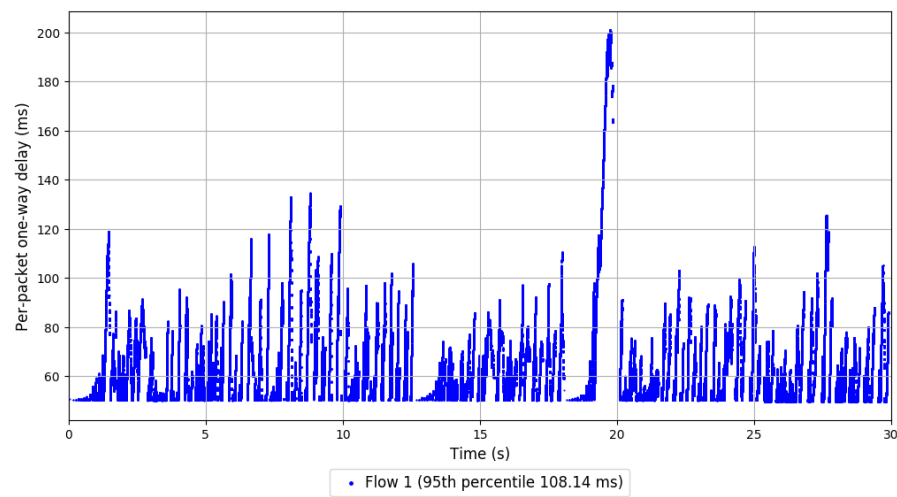
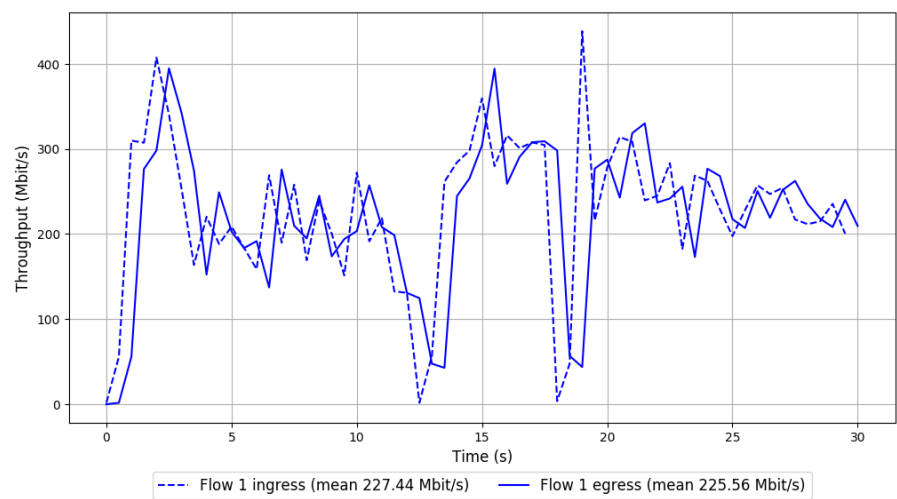


Run 5: Statistics of Verus

Start at: 2018-07-05 14:32:45
End at: 2018-07-05 14:33:15
Local clock offset: -0.107 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-05 18:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.56 Mbit/s
95th percentile per-packet one-way delay: 108.144 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 225.56 Mbit/s
95th percentile per-packet one-way delay: 108.144 ms
Loss rate: 0.77%

Run 5: Report of Verus — Data Link

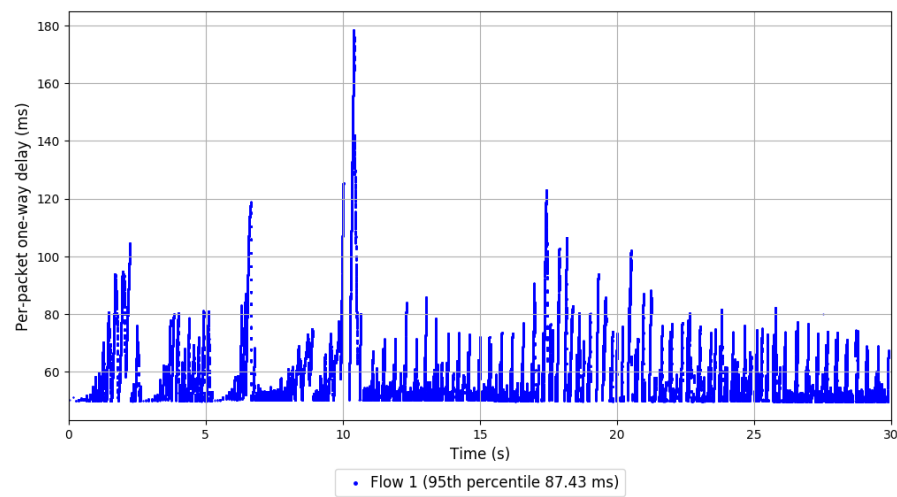
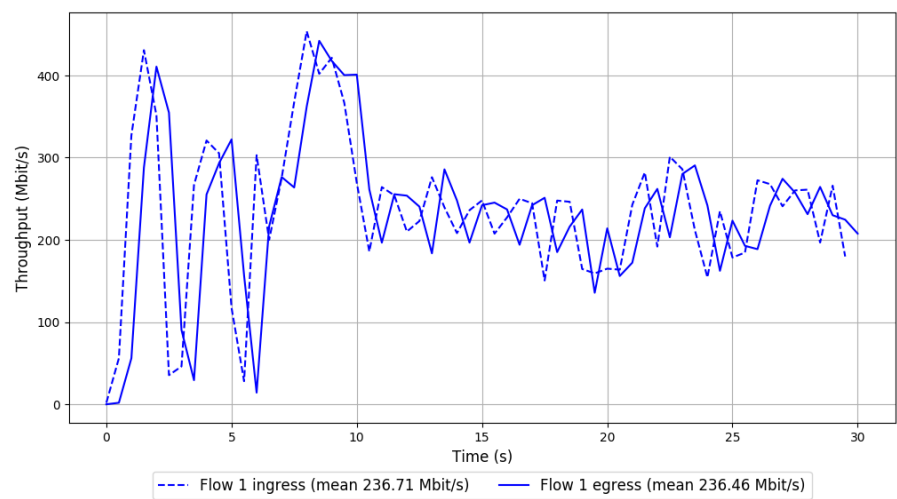


Run 6: Statistics of Verus

Start at: 2018-07-05 14:54:25
End at: 2018-07-05 14:54:55
Local clock offset: -0.058 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-05 18:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.46 Mbit/s
95th percentile per-packet one-way delay: 87.426 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 236.46 Mbit/s
95th percentile per-packet one-way delay: 87.426 ms
Loss rate: 0.10%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-05 15:16:15

End at: 2018-07-05 15:16:45

Local clock offset: -0.137 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-05 18:16:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.21 Mbit/s

95th percentile per-packet one-way delay: 99.070 ms

Loss rate: 0.07%

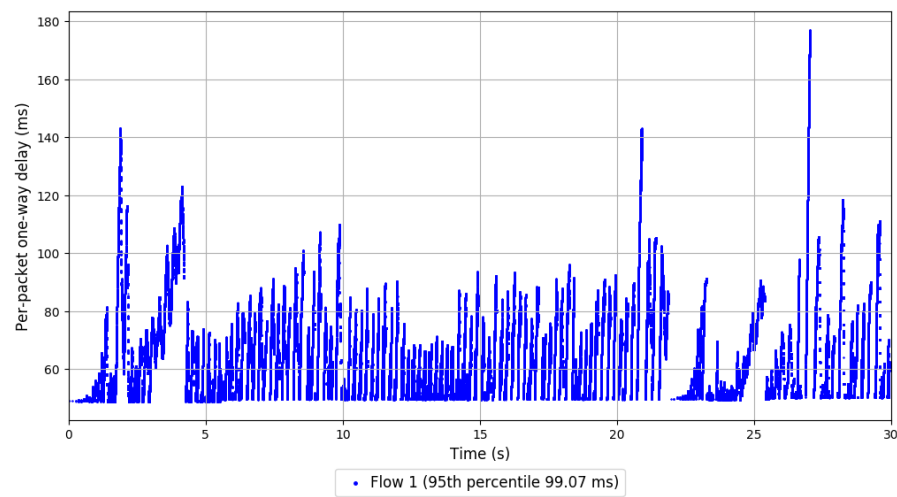
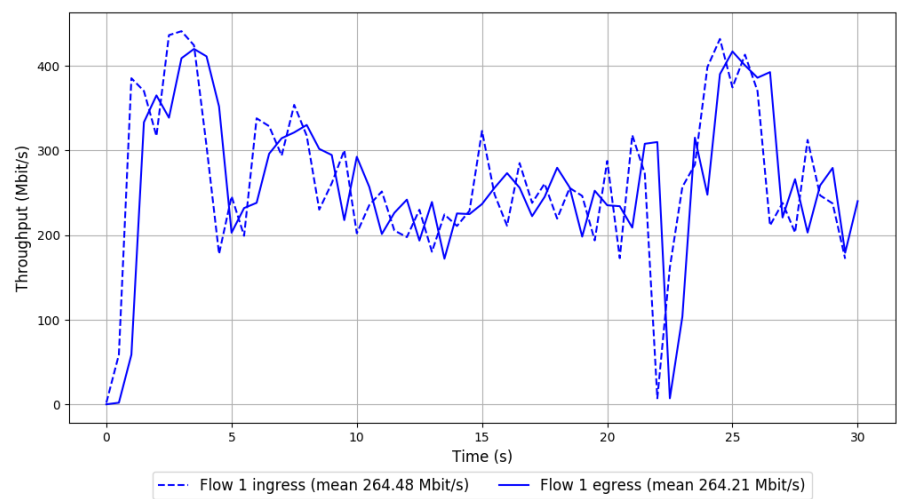
-- Flow 1:

Average throughput: 264.21 Mbit/s

95th percentile per-packet one-way delay: 99.070 ms

Loss rate: 0.07%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-05 15:38:17

End at: 2018-07-05 15:38:47

Local clock offset: -0.084 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-05 18:16:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.00 Mbit/s

95th percentile per-packet one-way delay: 94.269 ms

Loss rate: 1.28%

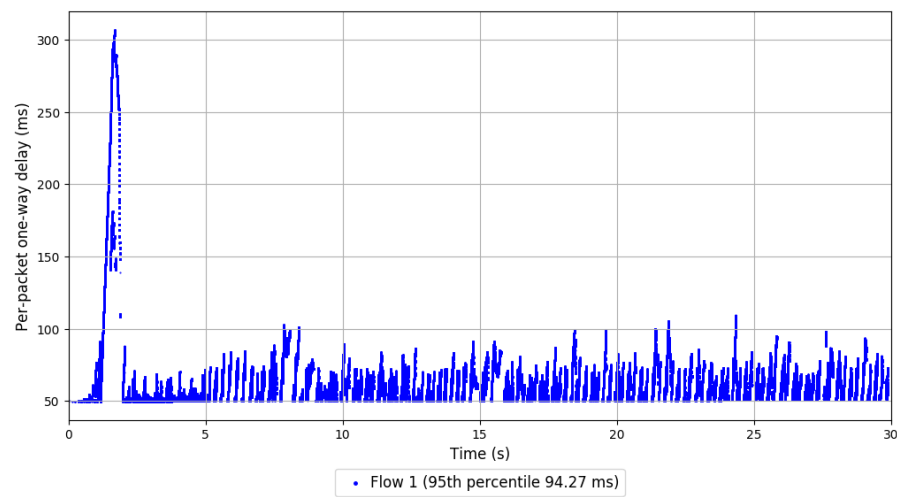
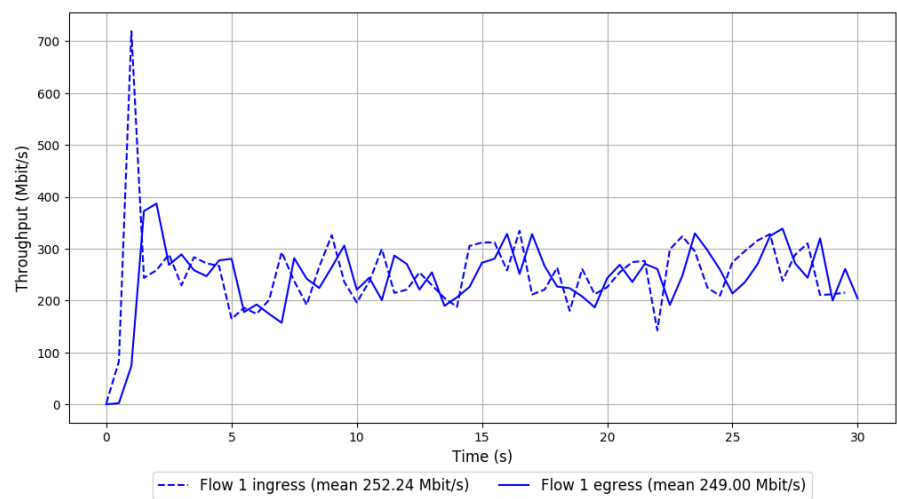
-- Flow 1:

Average throughput: 249.00 Mbit/s

95th percentile per-packet one-way delay: 94.269 ms

Loss rate: 1.28%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-05 16:00:14

End at: 2018-07-05 16:00:44

Local clock offset: -0.435 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-05 18:16:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.09 Mbit/s

95th percentile per-packet one-way delay: 81.425 ms

Loss rate: 1.37%

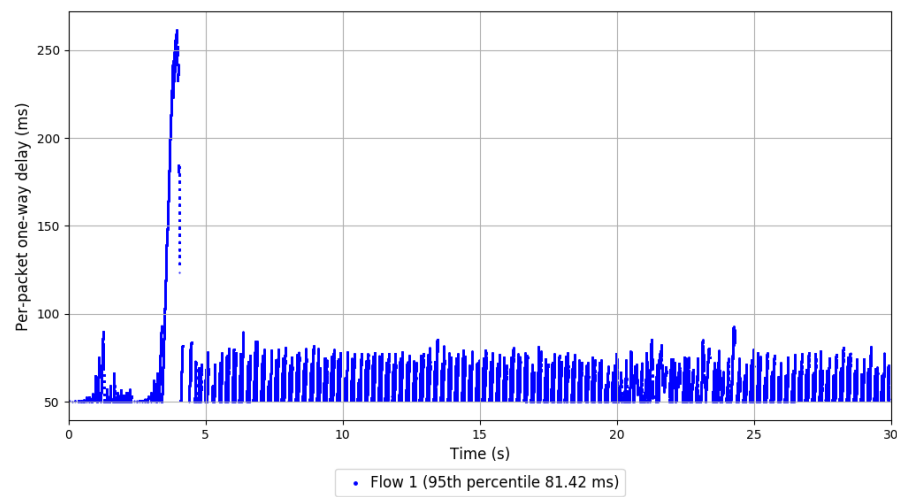
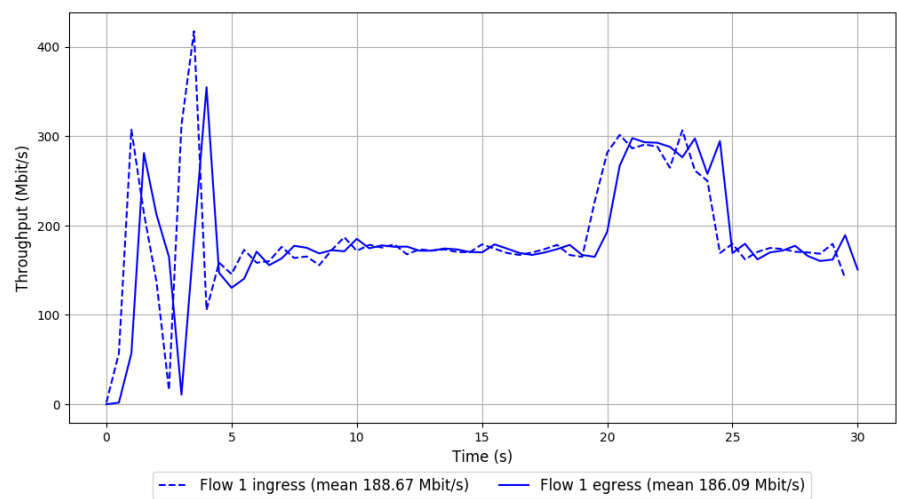
-- Flow 1:

Average throughput: 186.09 Mbit/s

95th percentile per-packet one-way delay: 81.425 ms

Loss rate: 1.37%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-05 16:22:11

End at: 2018-07-05 16:22:41

Local clock offset: 0.305 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-05 18:18:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.32 Mbit/s

95th percentile per-packet one-way delay: 114.515 ms

Loss rate: 1.70%

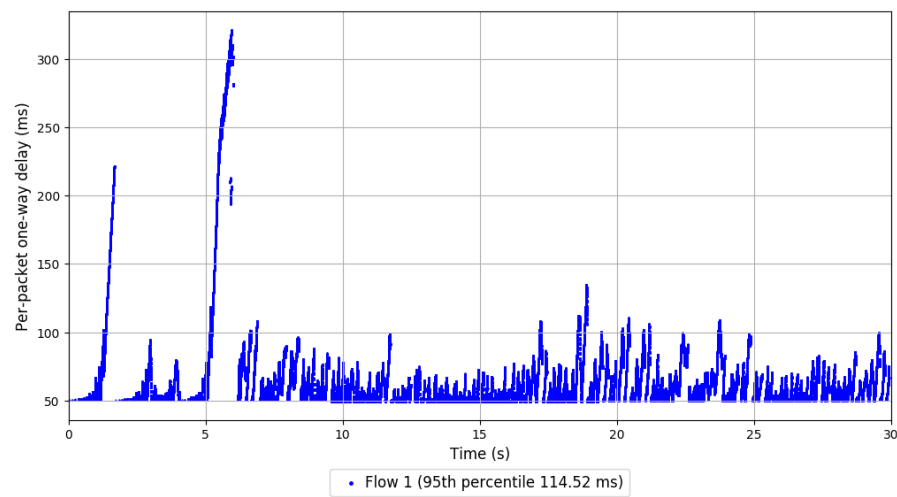
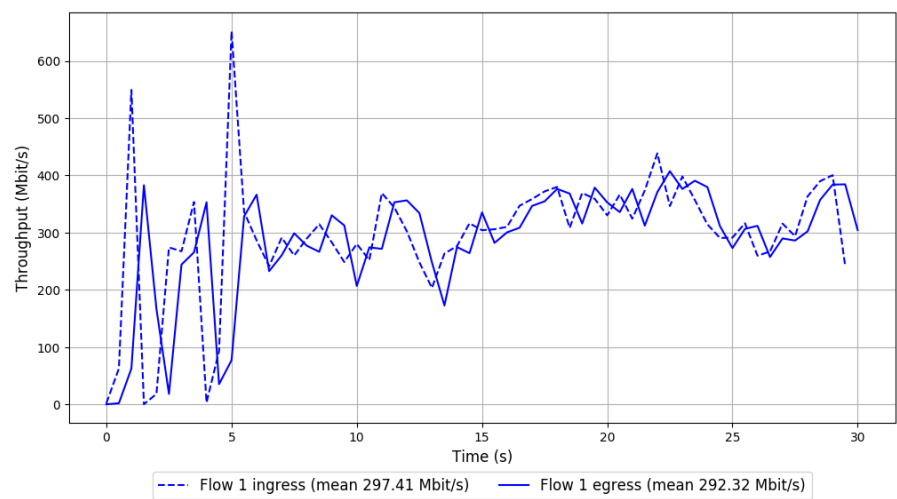
-- Flow 1:

Average throughput: 292.32 Mbit/s

95th percentile per-packet one-way delay: 114.515 ms

Loss rate: 1.70%

Run 10: Report of Verus — Data Link

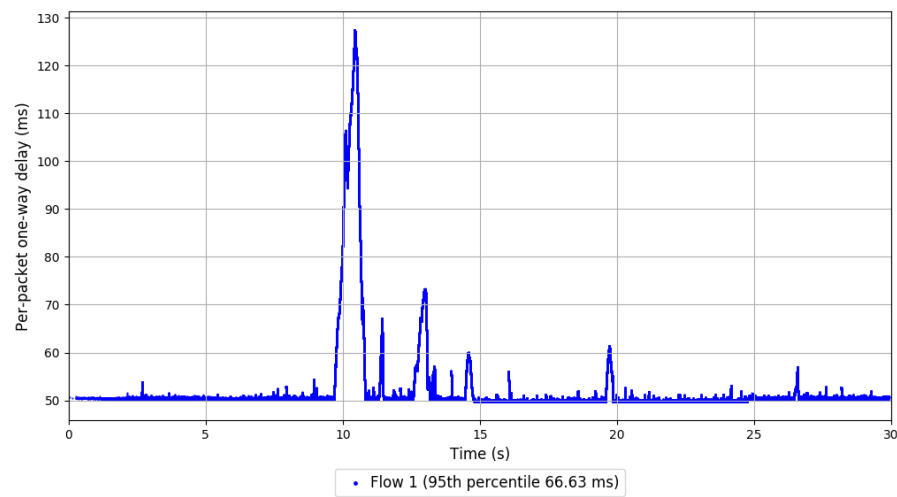
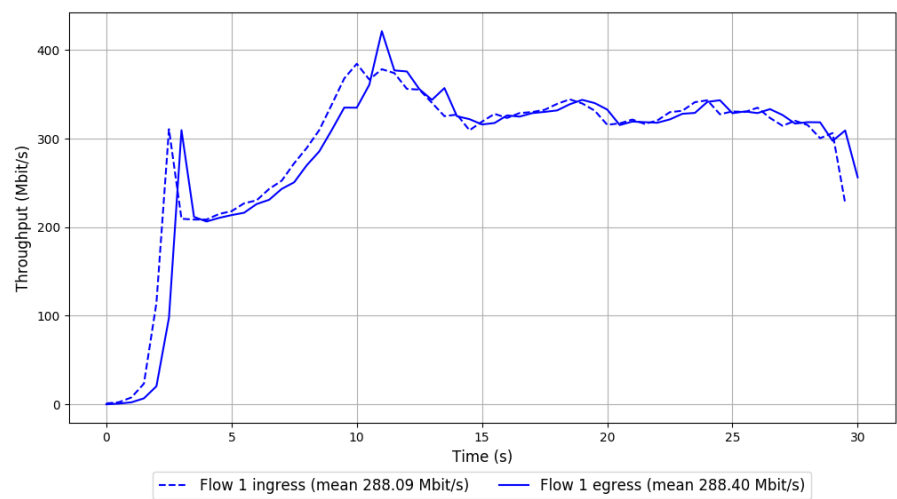


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-05 12:59:16
End at: 2018-07-05 12:59:46
Local clock offset: -0.117 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-05 18:19:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.40 Mbit/s
95th percentile per-packet one-way delay: 66.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 288.40 Mbit/s
95th percentile per-packet one-way delay: 66.627 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

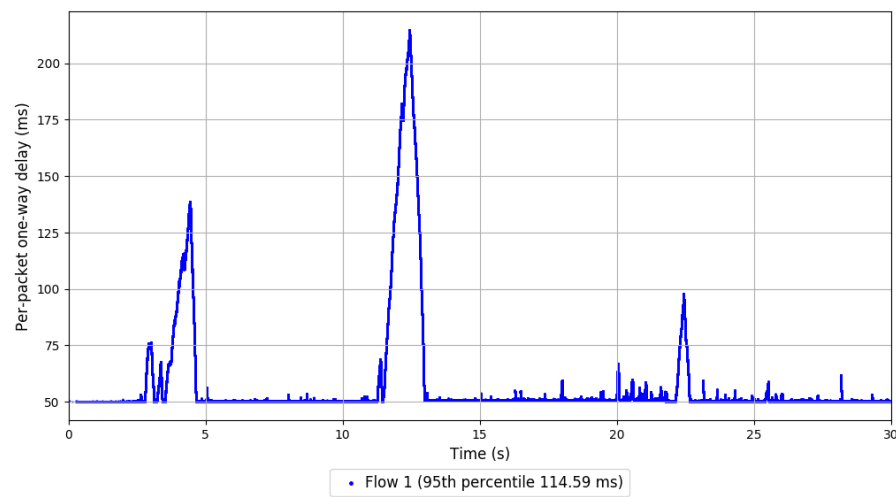
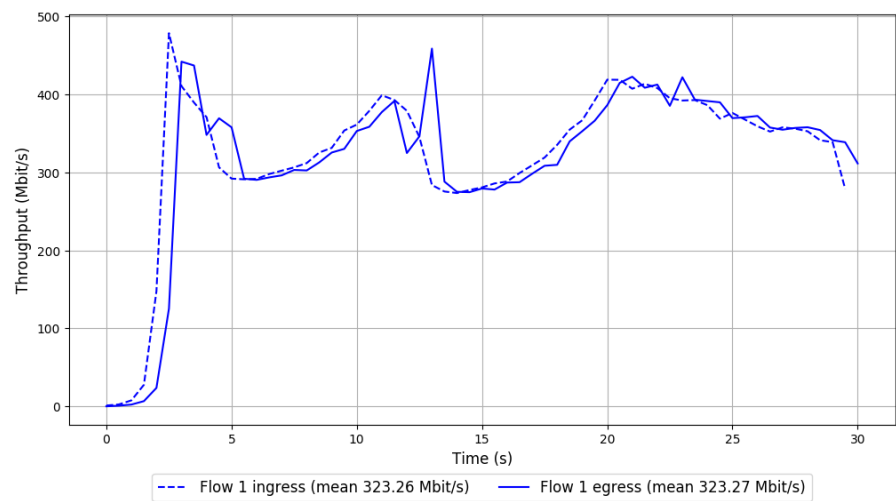


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-05 13:21:19
End at: 2018-07-05 13:21:49
Local clock offset: -0.462 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-05 18:20:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 323.27 Mbit/s
95th percentile per-packet one-way delay: 114.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 323.27 Mbit/s
95th percentile per-packet one-way delay: 114.586 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

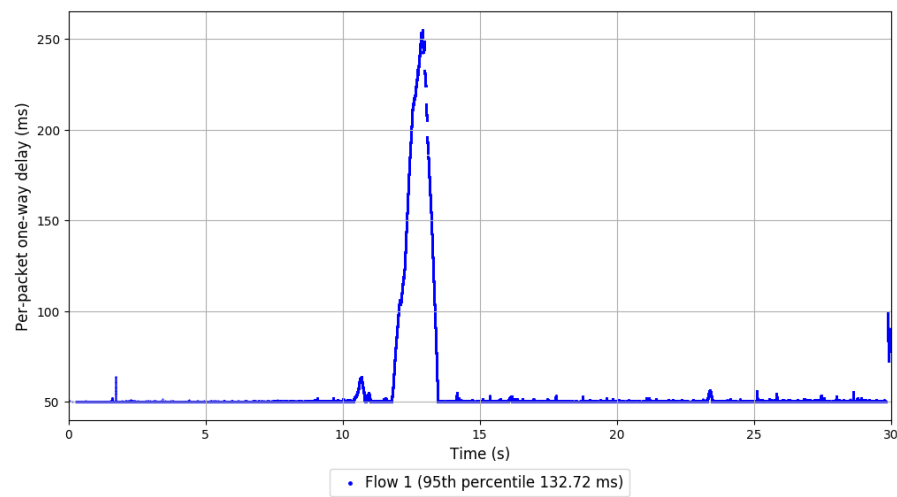
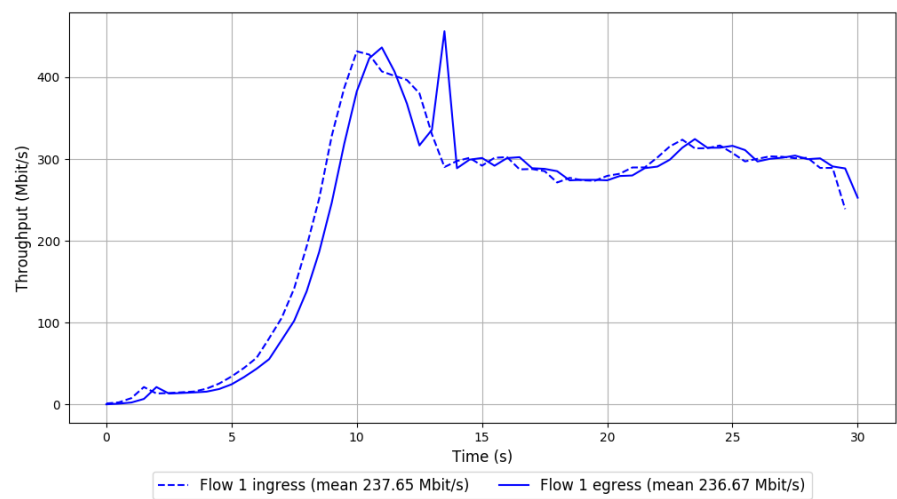


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-05 13:43:12
End at: 2018-07-05 13:43:42
Local clock offset: -0.083 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-05 18:20:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.67 Mbit/s
95th percentile per-packet one-way delay: 132.723 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 236.67 Mbit/s
95th percentile per-packet one-way delay: 132.723 ms
Loss rate: 0.41%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-05 14:05:25

End at: 2018-07-05 14:05:55

Local clock offset: 0.239 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 18:21:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.76 Mbit/s

95th percentile per-packet one-way delay: 151.028 ms

Loss rate: 0.23%

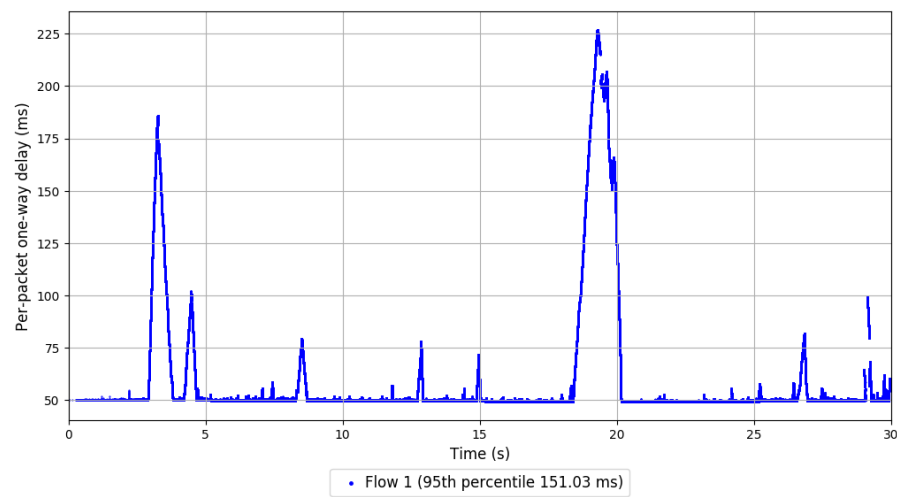
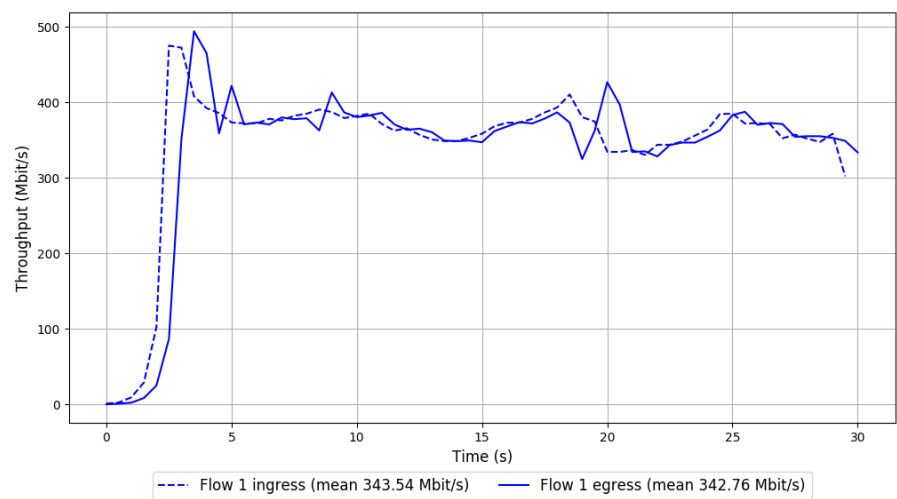
-- Flow 1:

Average throughput: 342.76 Mbit/s

95th percentile per-packet one-way delay: 151.028 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

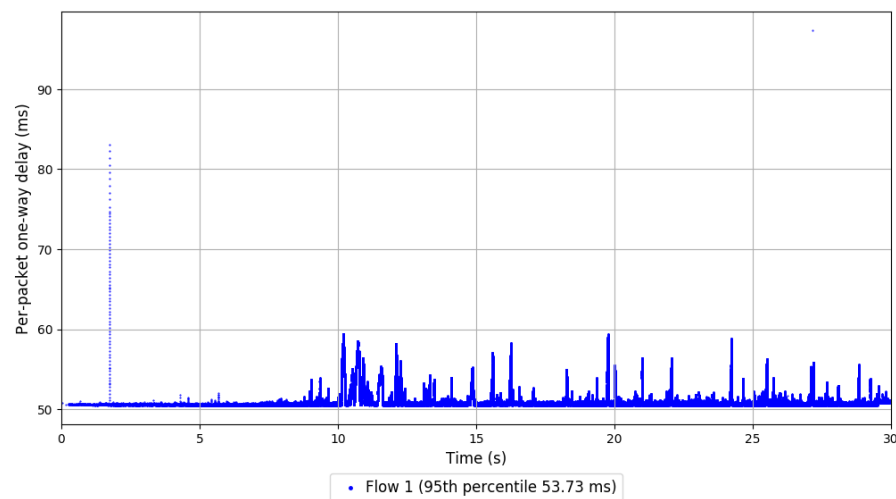
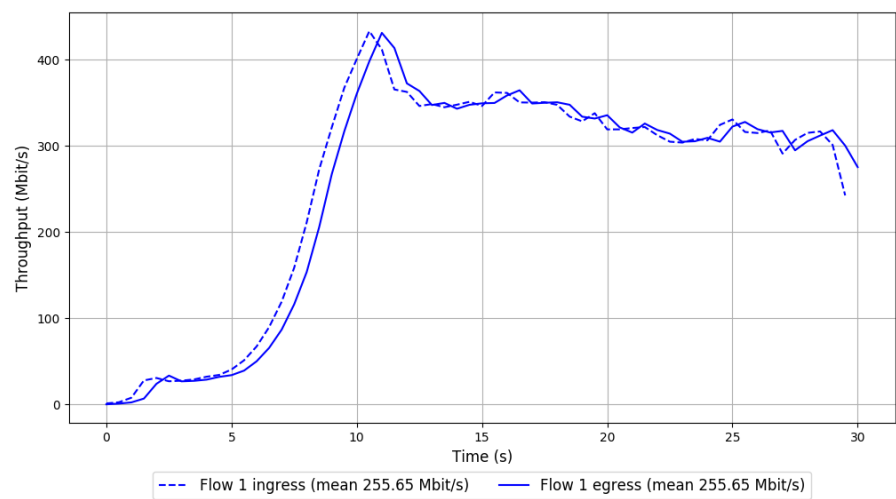


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-05 14:27:31
End at: 2018-07-05 14:28:01
Local clock offset: -0.442 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-05 18:21:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.65 Mbit/s
95th percentile per-packet one-way delay: 53.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 255.65 Mbit/s
95th percentile per-packet one-way delay: 53.730 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-05 14:49:15

End at: 2018-07-05 14:49:45

Local clock offset: -0.058 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 18:21:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.79 Mbit/s

95th percentile per-packet one-way delay: 78.489 ms

Loss rate: 0.00%

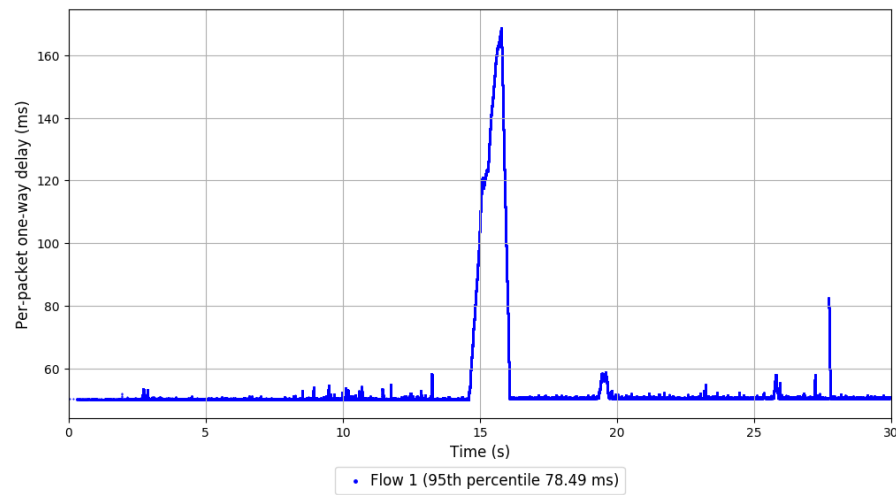
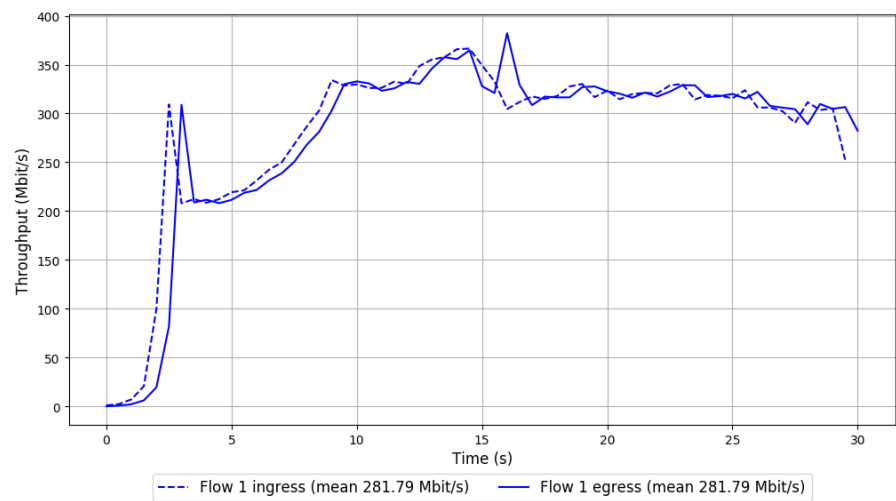
-- Flow 1:

Average throughput: 281.79 Mbit/s

95th percentile per-packet one-way delay: 78.489 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-05 15:10:56

End at: 2018-07-05 15:11:26

Local clock offset: -0.491 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-05 18:21:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.17 Mbit/s

95th percentile per-packet one-way delay: 87.624 ms

Loss rate: 0.06%

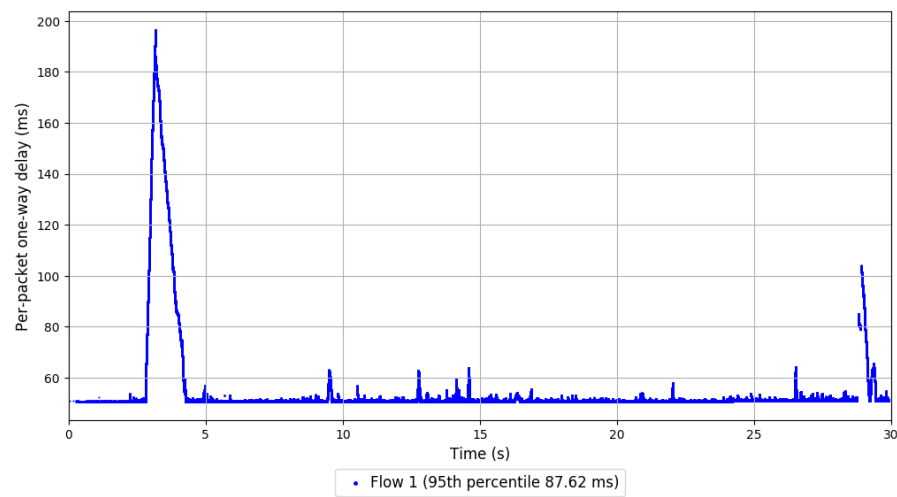
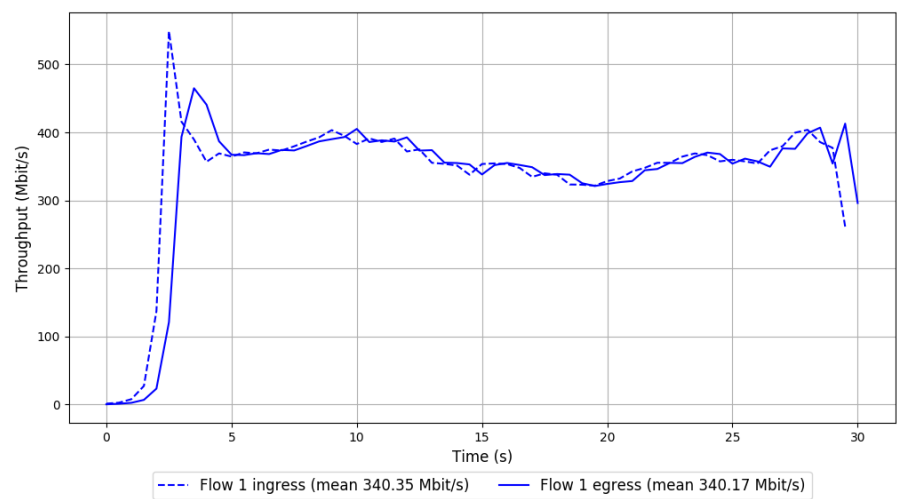
-- Flow 1:

Average throughput: 340.17 Mbit/s

95th percentile per-packet one-way delay: 87.624 ms

Loss rate: 0.06%

Run 7: Report of PCC-Vivace — Data Link

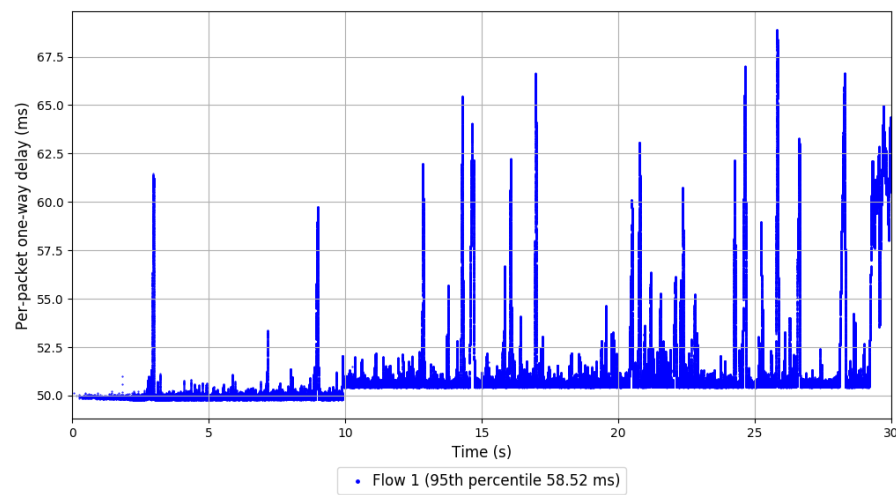
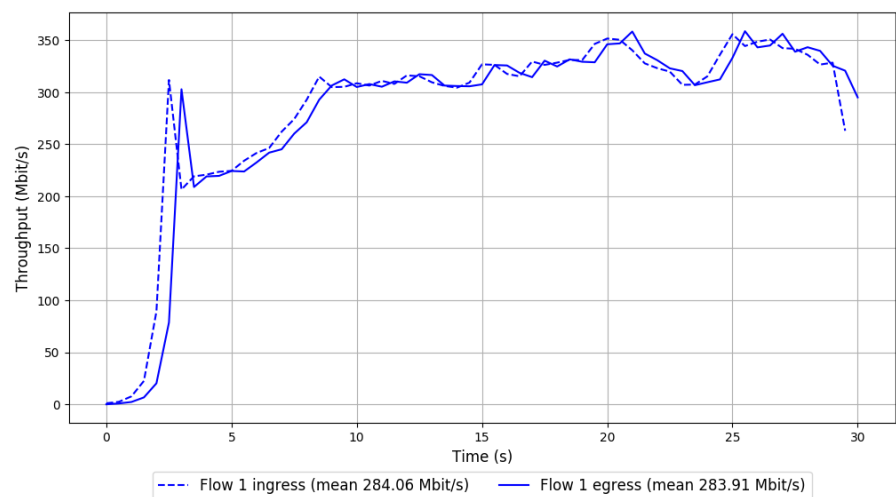


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-05 15:33:00
End at: 2018-07-05 15:33:30
Local clock offset: -0.472 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-05 18:22:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.91 Mbit/s
95th percentile per-packet one-way delay: 58.525 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 283.91 Mbit/s
95th percentile per-packet one-way delay: 58.525 ms
Loss rate: 0.05%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-05 15:55:04

End at: 2018-07-05 15:55:34

Local clock offset: -0.421 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-05 18:22:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.88 Mbit/s

95th percentile per-packet one-way delay: 55.197 ms

Loss rate: 0.46%

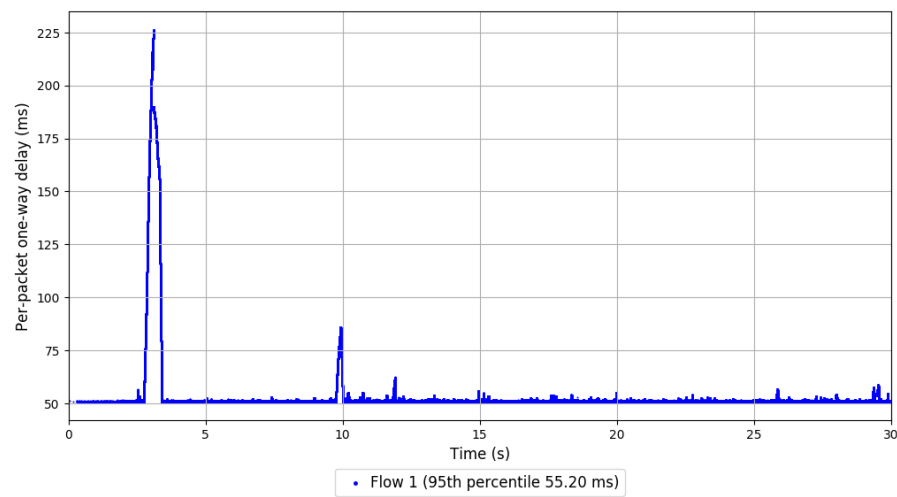
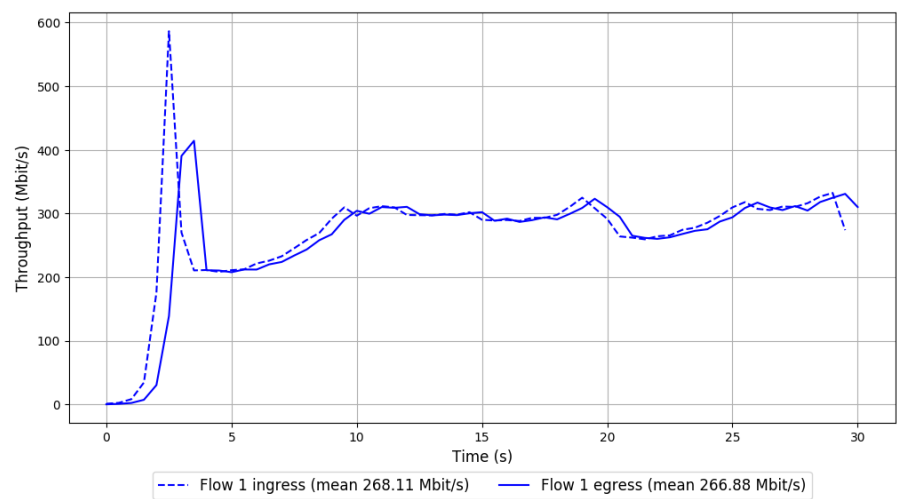
-- Flow 1:

Average throughput: 266.88 Mbit/s

95th percentile per-packet one-way delay: 55.197 ms

Loss rate: 0.46%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-05 16:16:58

End at: 2018-07-05 16:17:28

Local clock offset: 0.315 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.20 Mbit/s

95th percentile per-packet one-way delay: 67.758 ms

Loss rate: 0.00%

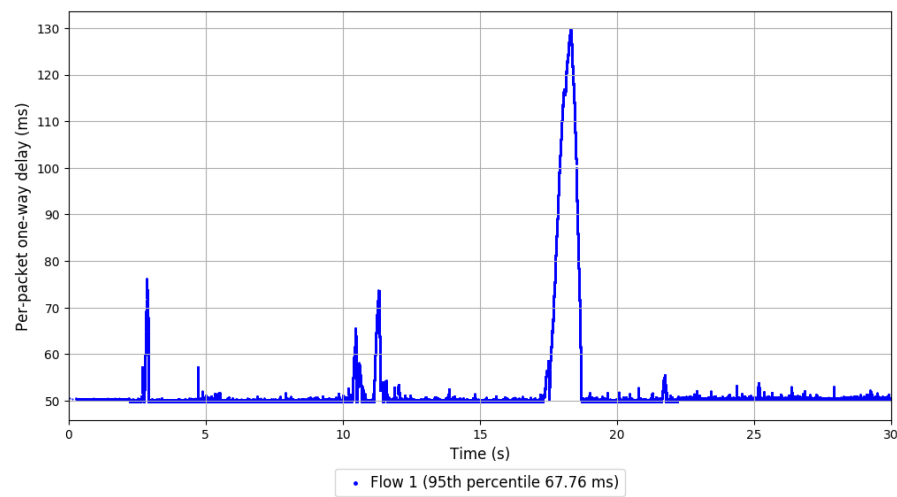
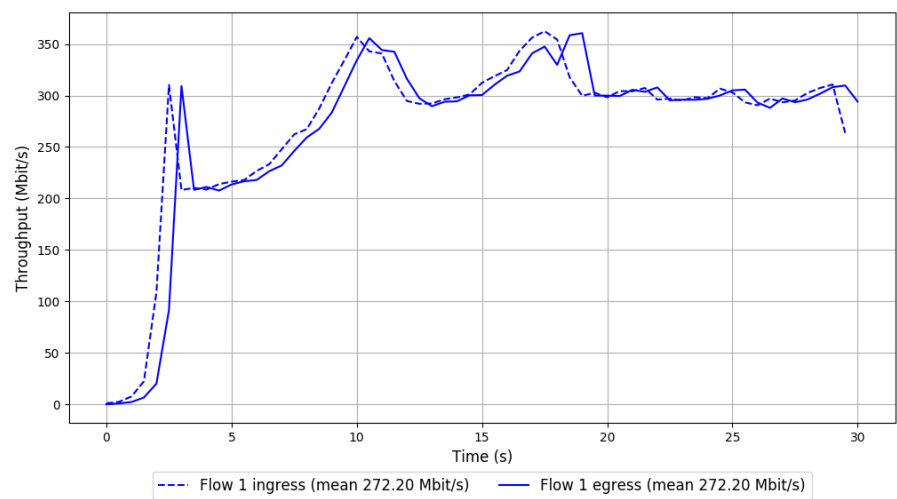
-- Flow 1:

Average throughput: 272.20 Mbit/s

95th percentile per-packet one-way delay: 67.758 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

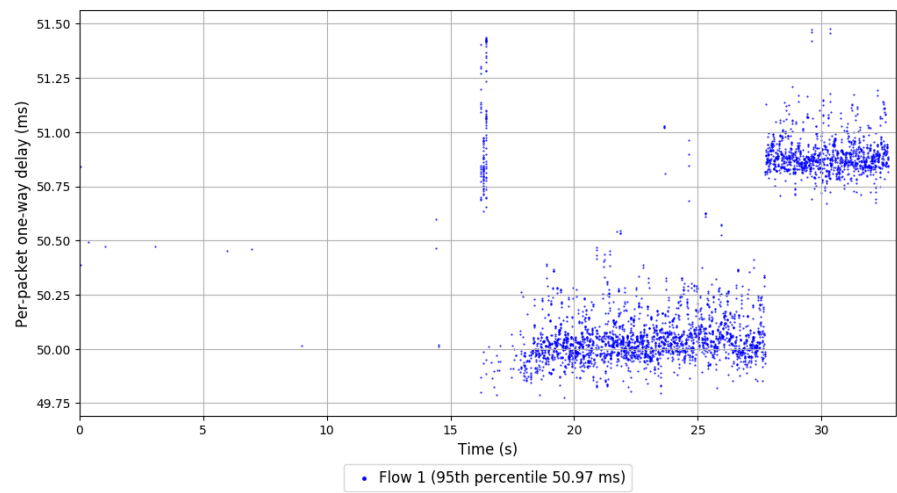
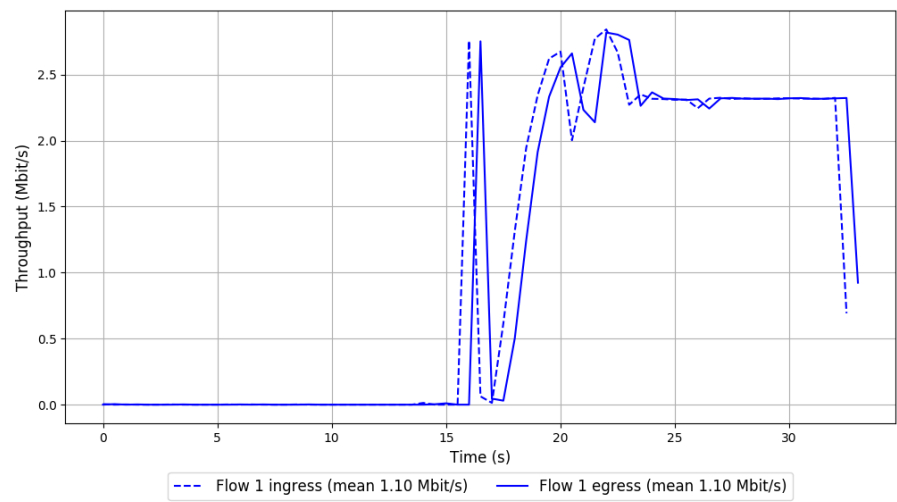


Run 1: Statistics of WebRTC media

Start at: 2018-07-05 13:10:55
End at: 2018-07-05 13:11:25
Local clock offset: -0.127 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-05 18:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 50.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 50.970 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-05 13:33:05

End at: 2018-07-05 13:33:35

Local clock offset: -0.126 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.971 ms

Loss rate: 0.00%

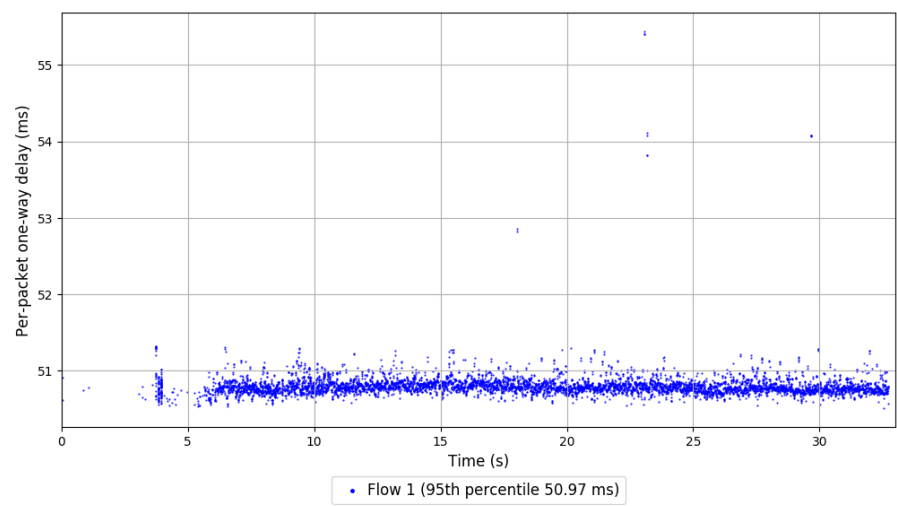
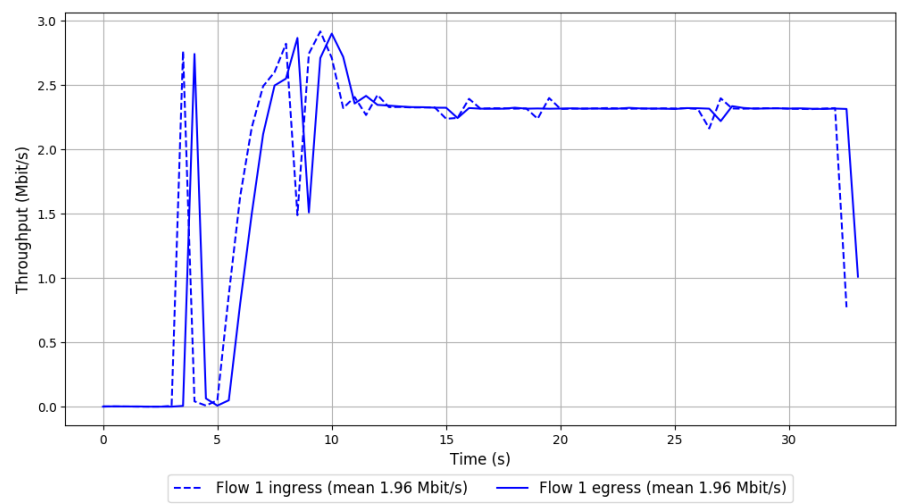
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.971 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-05 13:55:05

End at: 2018-07-05 13:55:35

Local clock offset: -0.129 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.039 ms

Loss rate: 0.00%

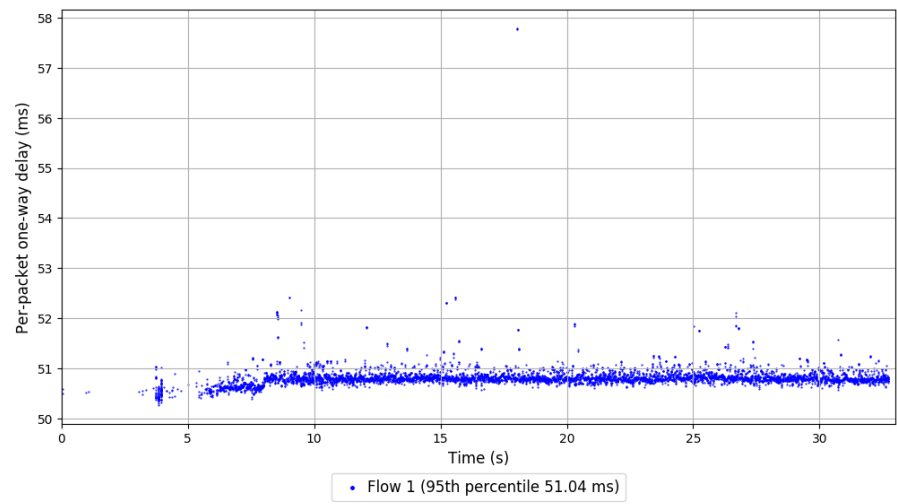
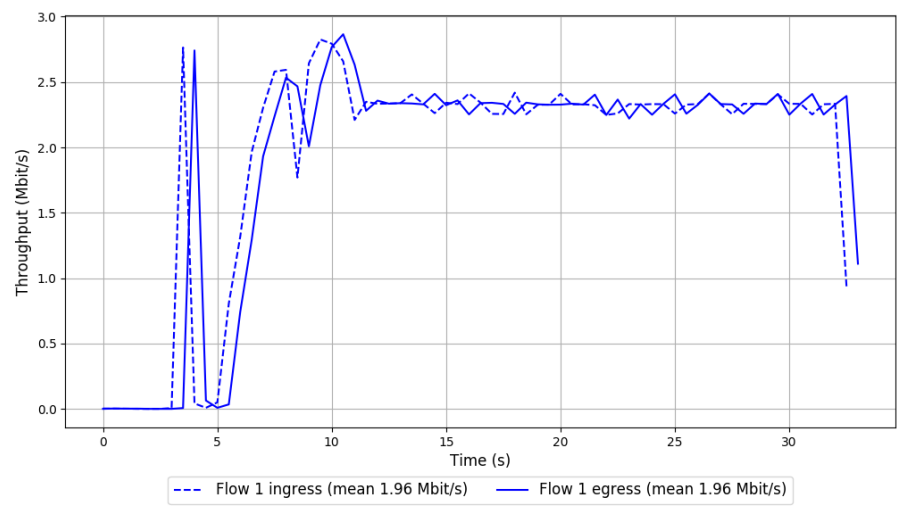
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.039 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

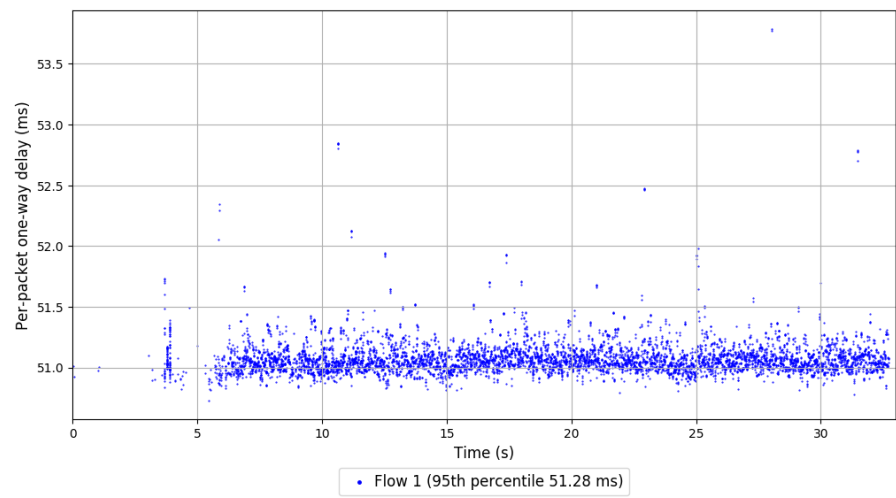
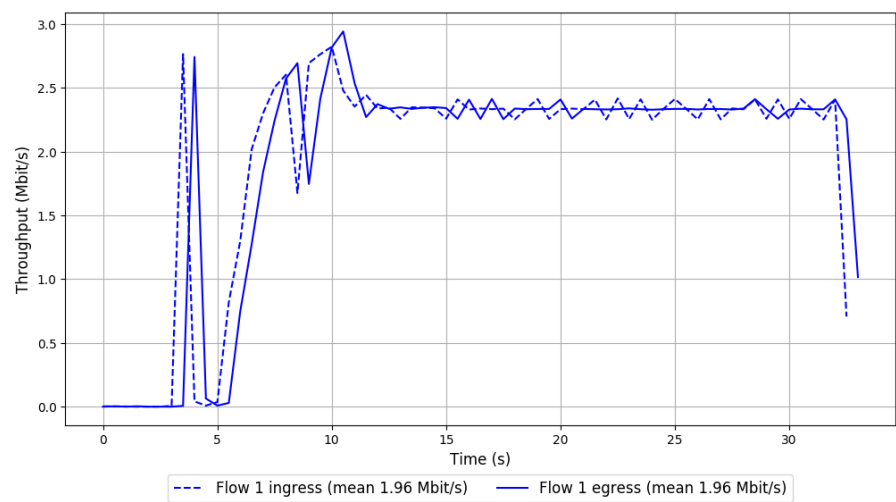


Run 4: Statistics of WebRTC media

Start at: 2018-07-05 14:17:23
End at: 2018-07-05 14:17:53
Local clock offset: -0.453 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-05 18:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.284 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-05 14:39:17

End at: 2018-07-05 14:39:47

Local clock offset: -0.09 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 50.597 ms

Loss rate: 0.00%

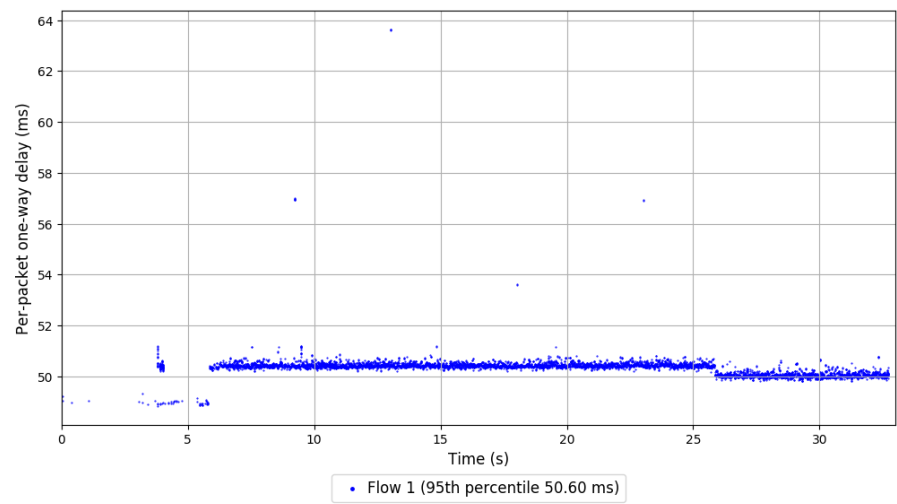
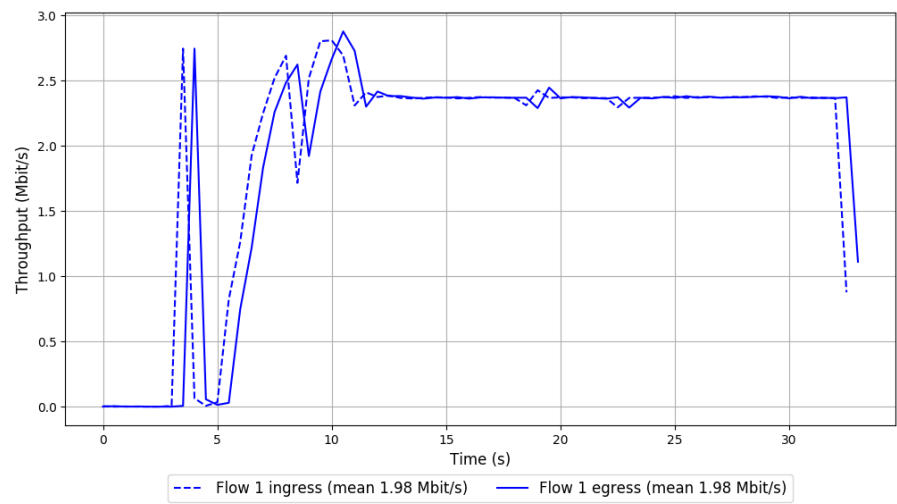
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 50.597 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

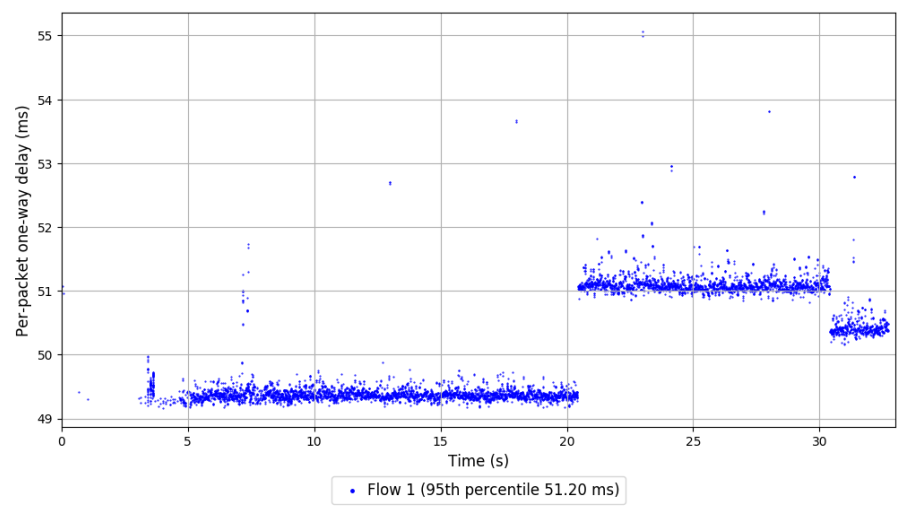
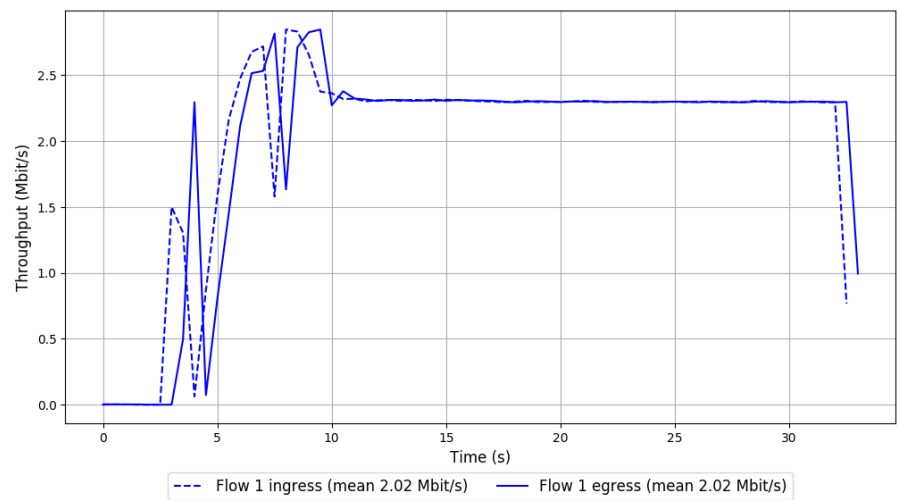


Run 6: Statistics of WebRTC media

Start at: 2018-07-05 15:00:43
End at: 2018-07-05 15:01:13
Local clock offset: -0.464 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-05 18:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 51.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 51.195 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

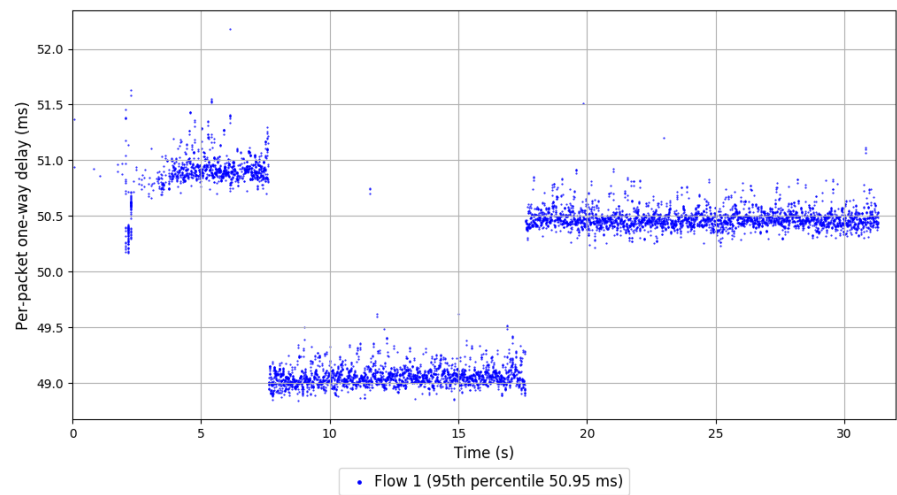
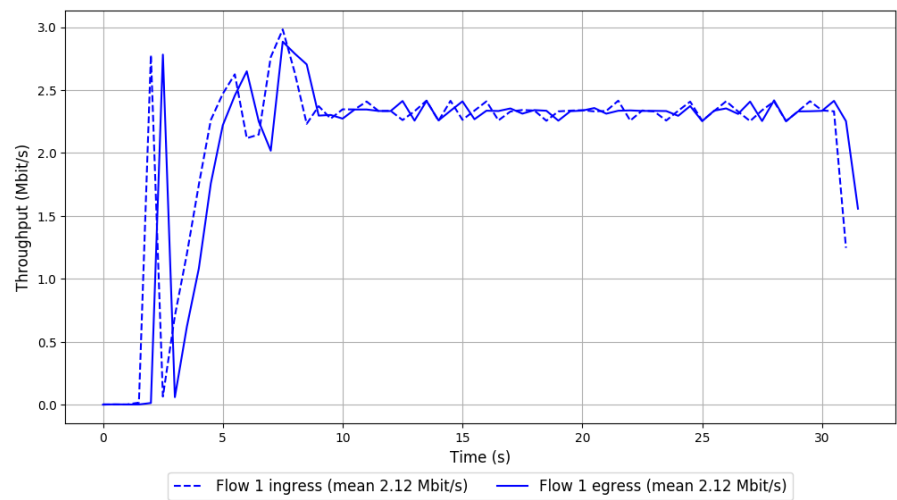


Run 7: Statistics of WebRTC media

Start at: 2018-07-05 15:22:44
End at: 2018-07-05 15:23:14
Local clock offset: -0.135 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-05 18:22:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 50.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 50.945 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-05 15:44:48

End at: 2018-07-05 15:45:18

Local clock offset: -0.461 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 51.241 ms

Loss rate: 0.00%

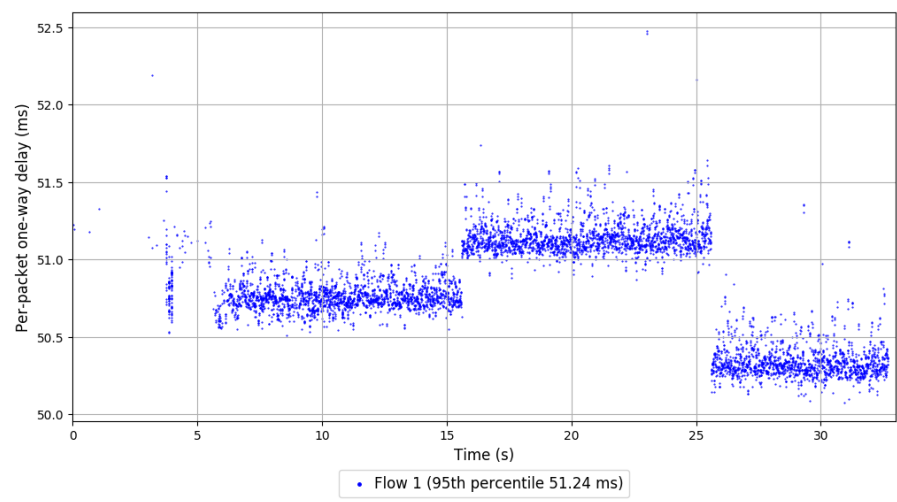
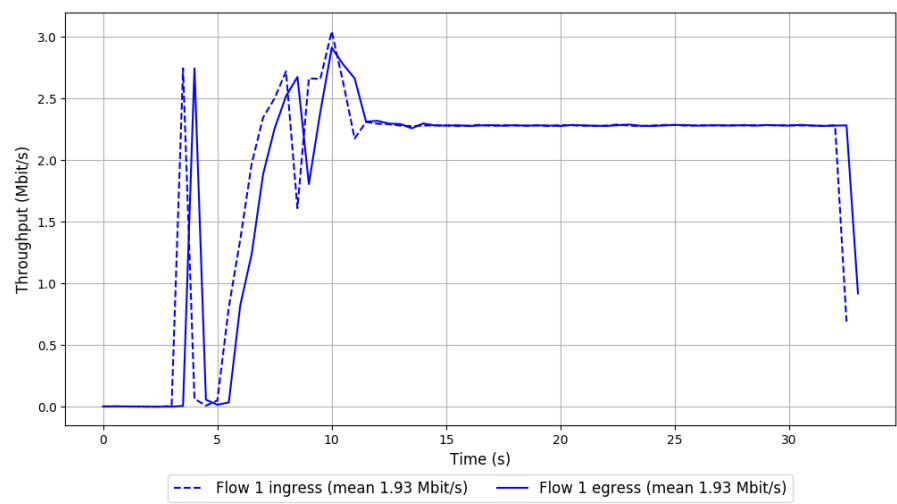
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 51.241 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-05 16:06:34

End at: 2018-07-05 16:07:04

Local clock offset: -0.447 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 51.303 ms

Loss rate: 0.00%

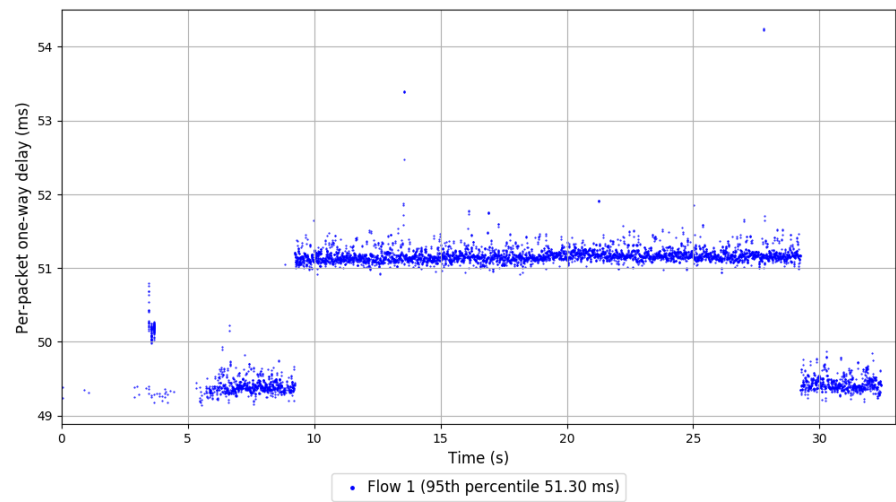
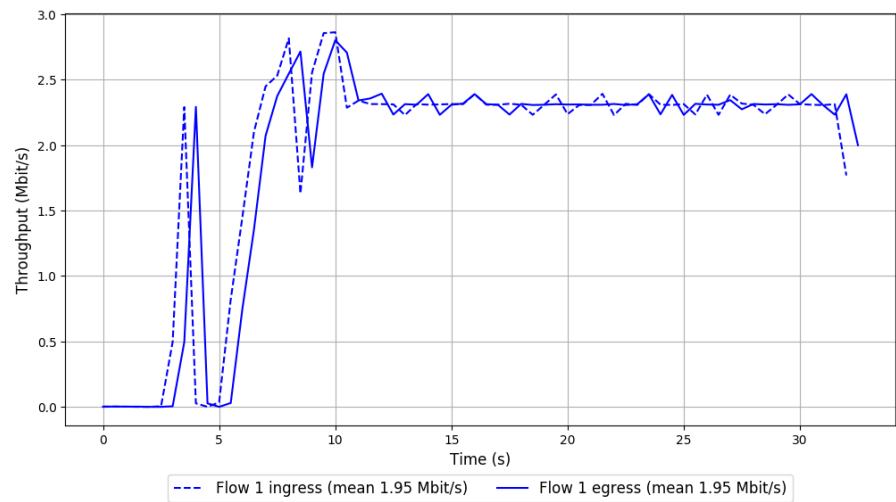
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 51.303 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-05 16:28:34

End at: 2018-07-05 16:29:04

Local clock offset: -0.04 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-05 18:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.237 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.237 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

