

Pantheon Report

Generated at 2018-07-12 03:46:42 (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.

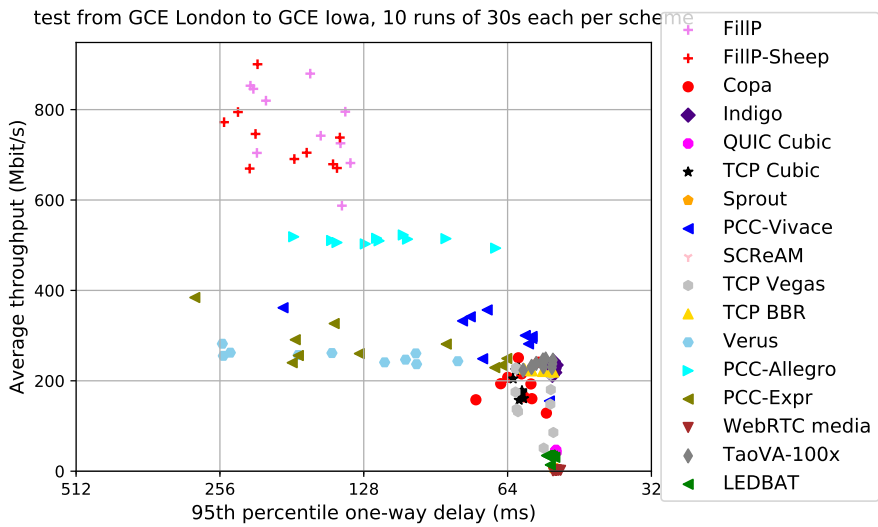
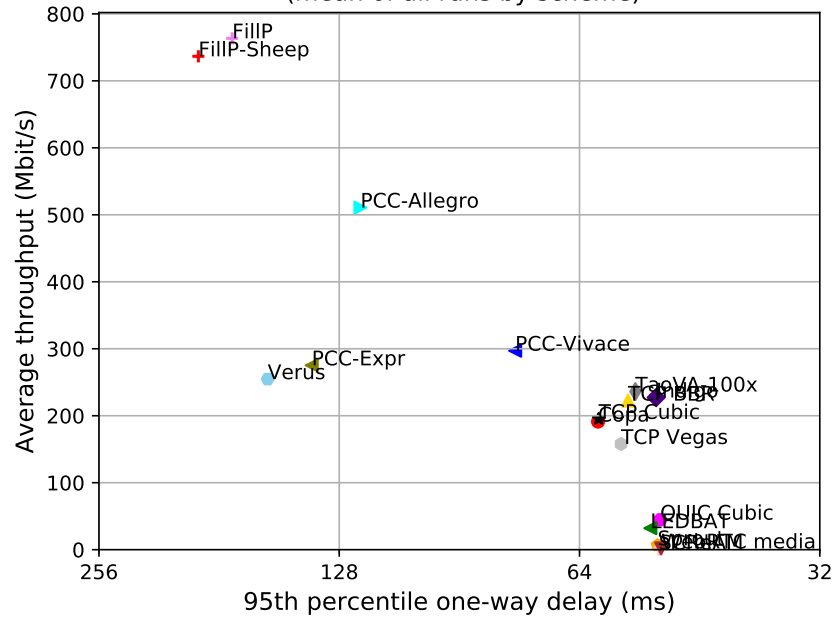
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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	222.55	55.64	0.00
Copa	10	191.29	60.67	0.00
TCP Cubic	10	195.27	60.57	0.01
FillP	10	763.48	174.31	4.56
FillP-Sheep	10	736.64	192.16	10.35
Indigo	10	227.25	51.30	0.01
LEDBAT	10	32.10	52.17	0.00
PCC-Allegro	10	510.71	120.41	0.48
PCC-Expr	10	275.22	138.58	4.12
QUIC Cubic	4	44.77	50.71	0.00
SCReAM	10	0.22	50.90	0.00
Sprout	10	6.57	51.10	0.00
TaoVA-100x	10	236.10	54.48	0.00
TCP Vegas	10	157.78	56.78	0.00
Verus	10	254.63	157.37	1.54
PCC-Vivace	10	297.05	77.06	0.12
WebRTC media	10	1.86	50.58	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-11 22:23:27

End at: 2018-07-11 22:23:57

Local clock offset: 0.017 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-12 02:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.48 Mbit/s

95th percentile per-packet one-way delay: 56.937 ms

Loss rate: 0.00%

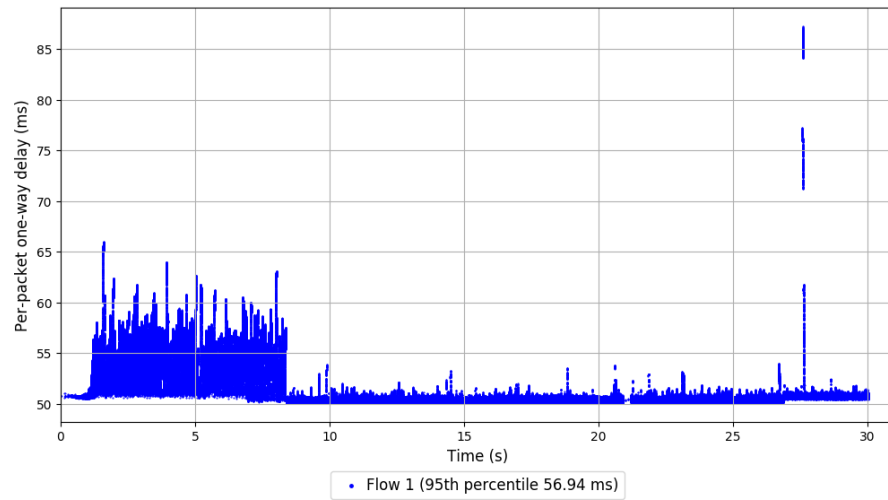
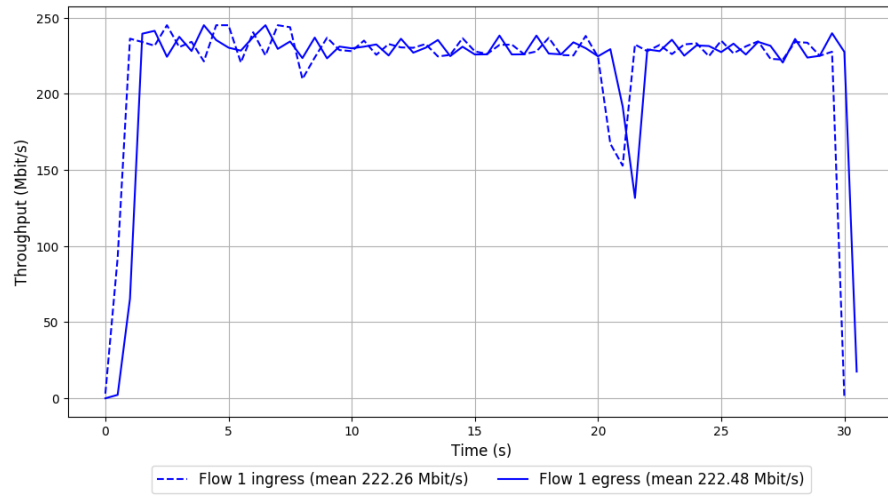
-- Flow 1:

Average throughput: 222.48 Mbit/s

95th percentile per-packet one-way delay: 56.937 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

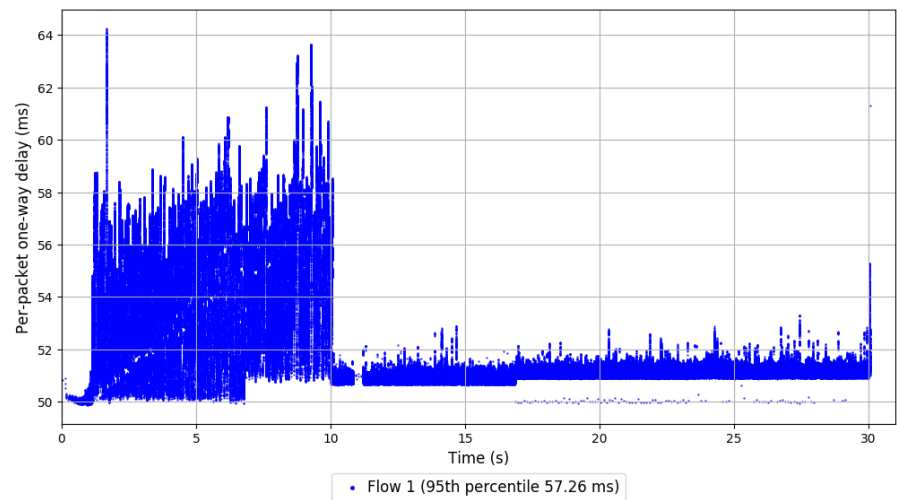
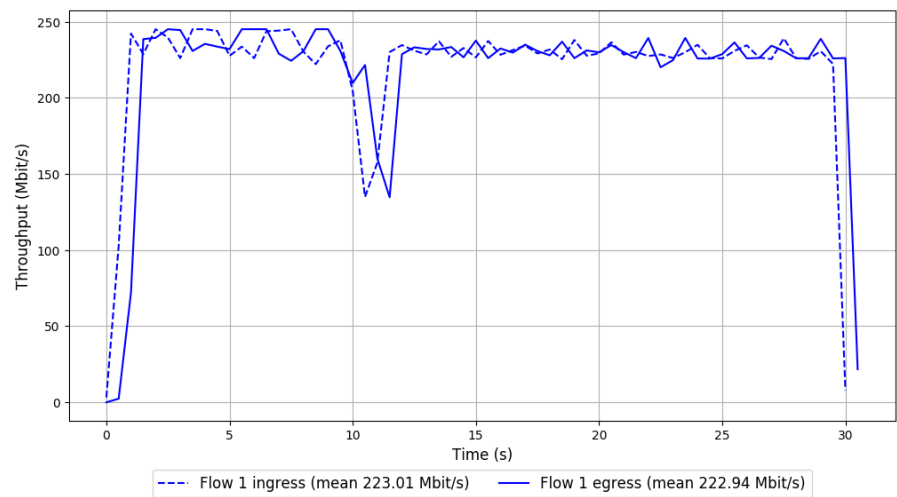


Run 2: Statistics of TCP BBR

Start at: 2018-07-11 22:45:37
End at: 2018-07-11 22:46:07
Local clock offset: -0.421 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 02:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 57.259 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 57.259 ms
Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link

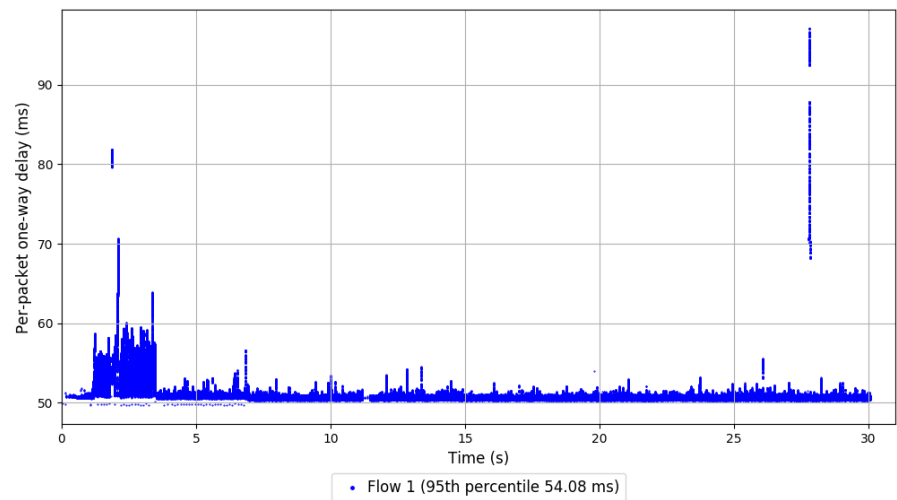
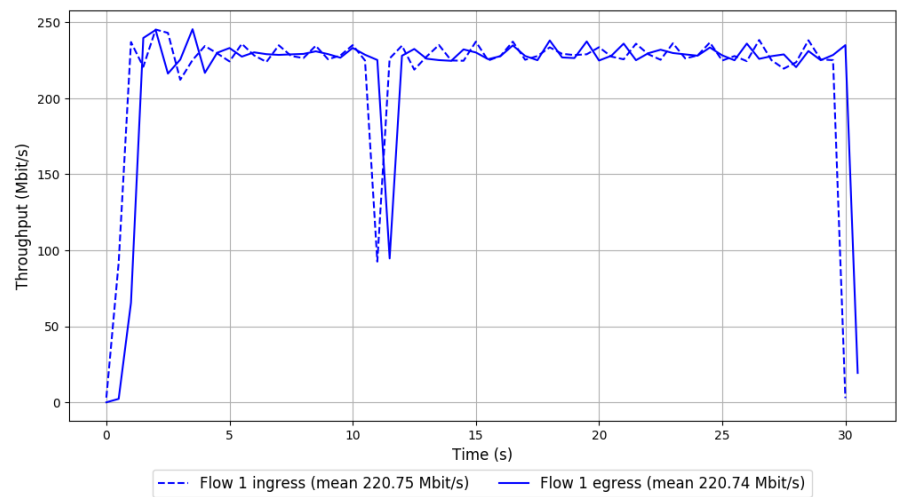


Run 3: Statistics of TCP BBR

Start at: 2018-07-11 23:07:47
End at: 2018-07-11 23:08:17
Local clock offset: -0.058 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 02:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.74 Mbit/s
95th percentile per-packet one-way delay: 54.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.74 Mbit/s
95th percentile per-packet one-way delay: 54.082 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-11 23:29:54

End at: 2018-07-11 23:30:24

Local clock offset: -0.038 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-12 02:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.68 Mbit/s

95th percentile per-packet one-way delay: 56.917 ms

Loss rate: 0.00%

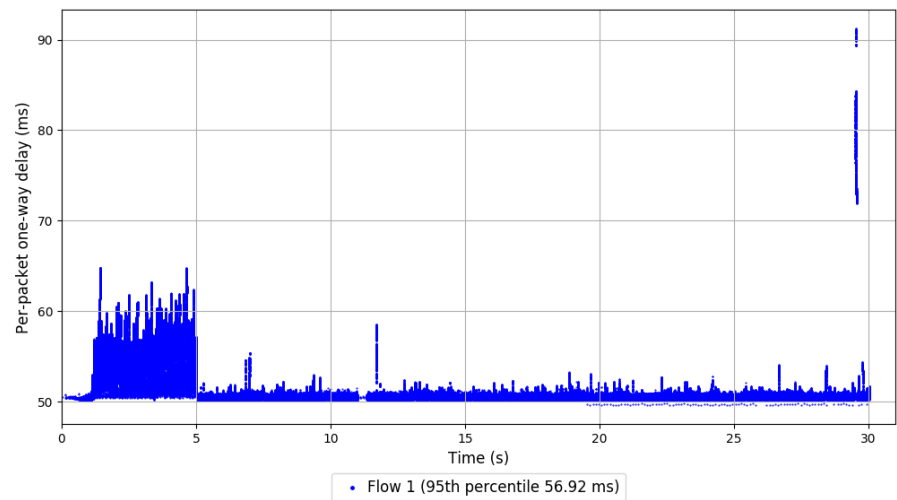
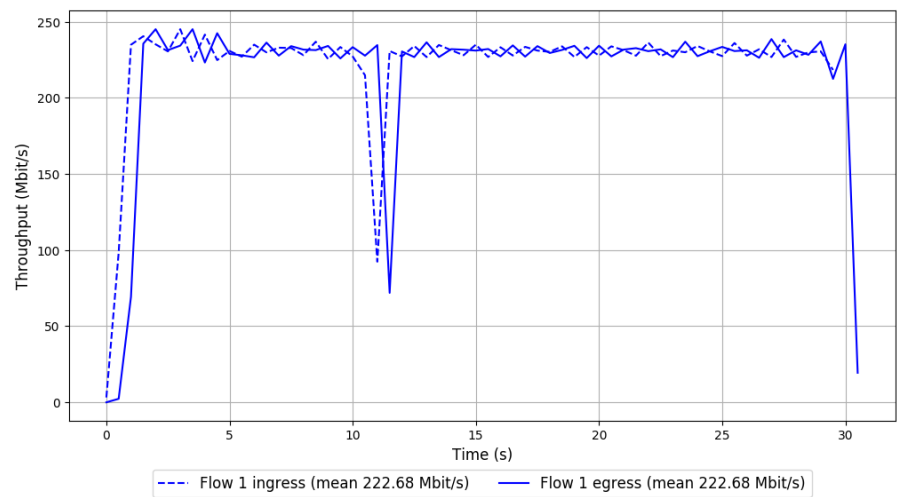
-- Flow 1:

Average throughput: 222.68 Mbit/s

95th percentile per-packet one-way delay: 56.917 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-11 23:52:02

End at: 2018-07-11 23:52:32

Local clock offset: -0.059 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-12 02:03:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.71 Mbit/s

95th percentile per-packet one-way delay: 57.861 ms

Loss rate: 0.00%

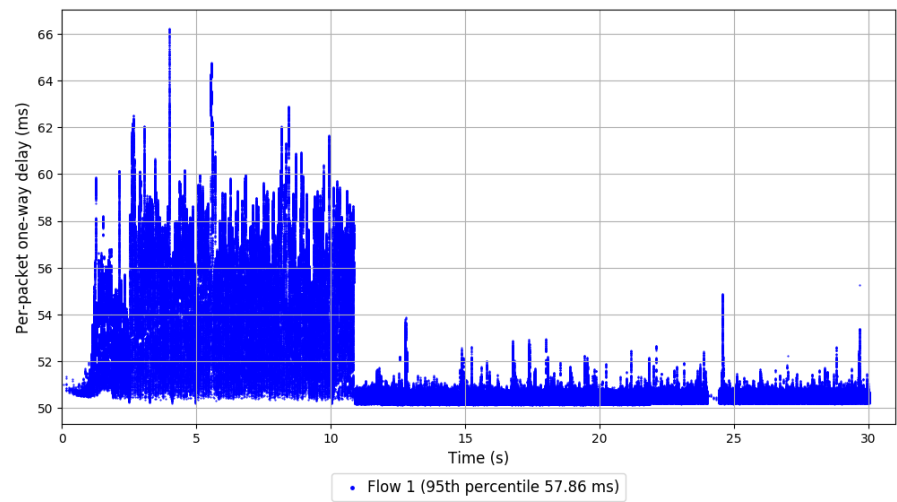
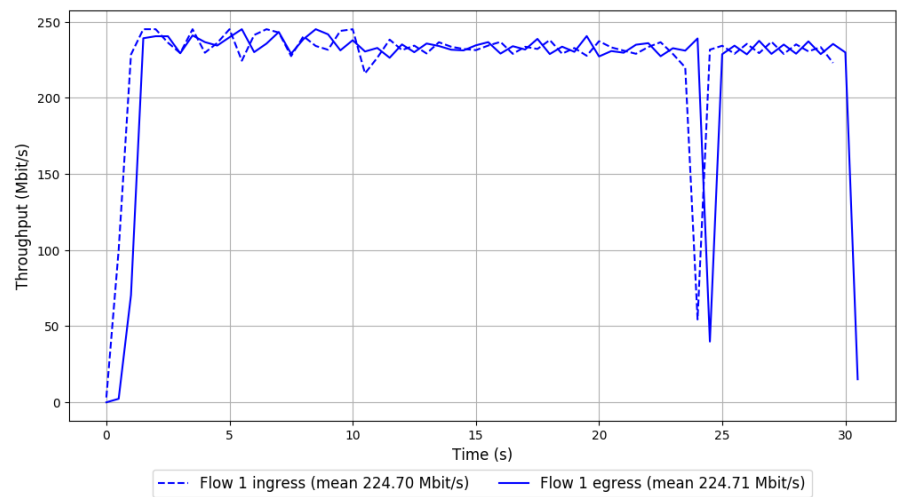
-- Flow 1:

Average throughput: 224.71 Mbit/s

95th percentile per-packet one-way delay: 57.861 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

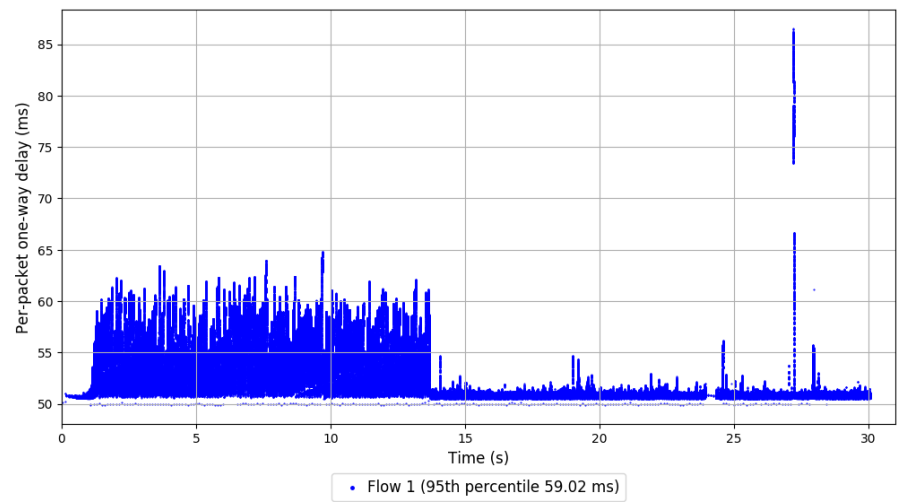
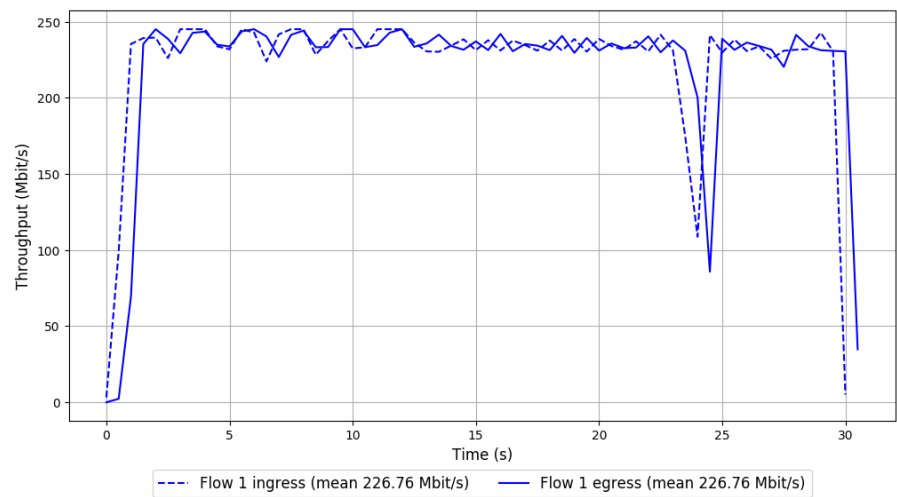


Run 6: Statistics of TCP BBR

Start at: 2018-07-12 00:14:15
End at: 2018-07-12 00:14:45
Local clock offset: -0.365 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 02:03:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.76 Mbit/s
95th percentile per-packet one-way delay: 59.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.76 Mbit/s
95th percentile per-packet one-way delay: 59.019 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-12 00:36:30

End at: 2018-07-12 00:37:00

Local clock offset: -0.06 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-12 02:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.42 Mbit/s

95th percentile per-packet one-way delay: 51.946 ms

Loss rate: 0.00%

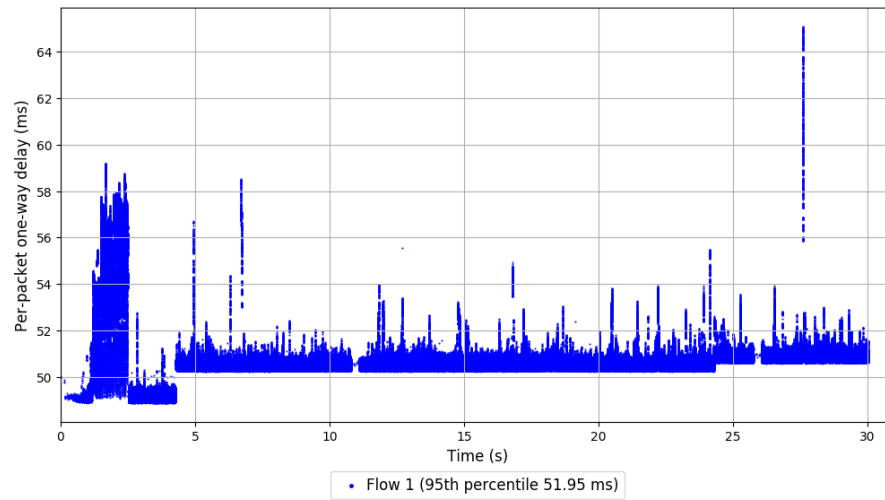
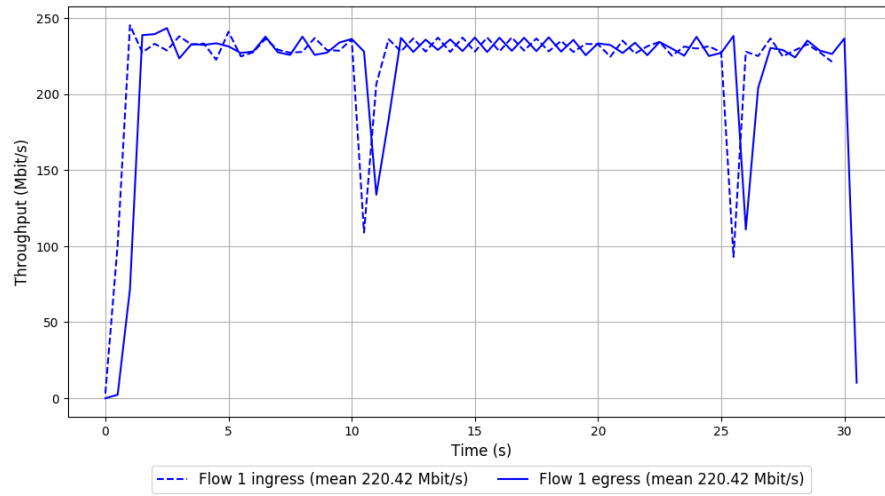
-- Flow 1:

Average throughput: 220.42 Mbit/s

95th percentile per-packet one-way delay: 51.946 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-12 00:58:31

End at: 2018-07-12 00:59:01

Local clock offset: 0.324 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-12 02:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.46 Mbit/s

95th percentile per-packet one-way delay: 53.636 ms

Loss rate: 0.00%

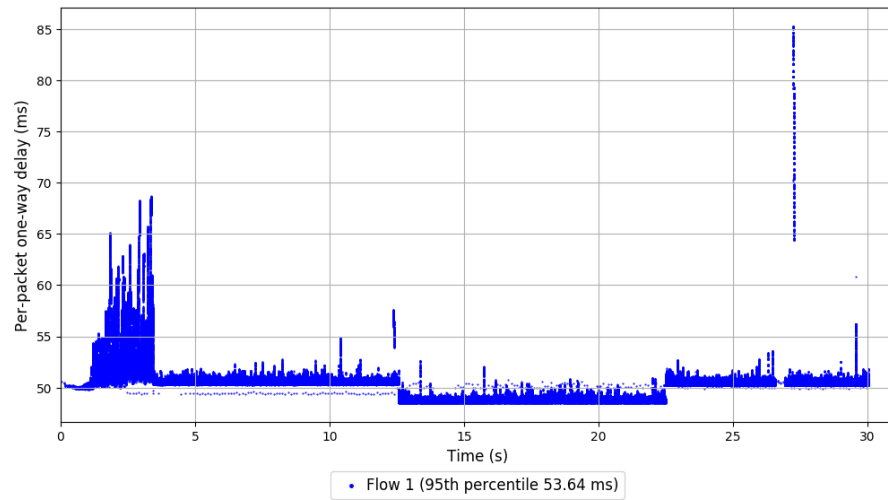
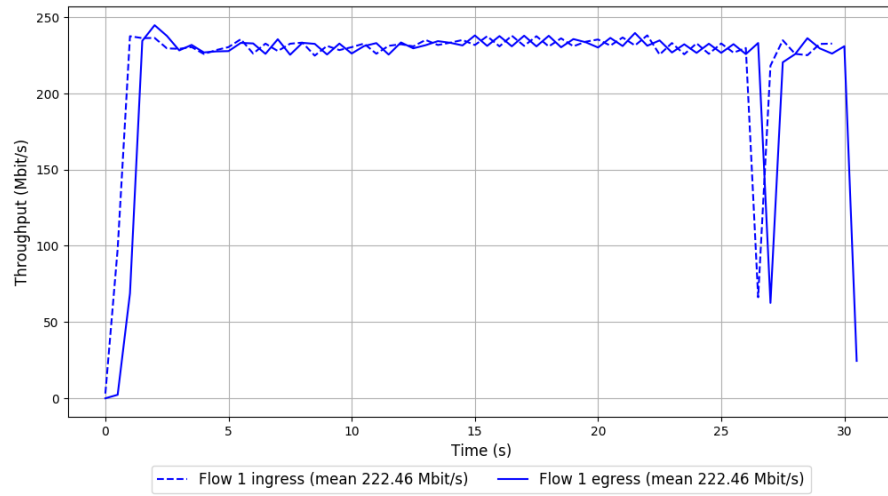
-- Flow 1:

Average throughput: 222.46 Mbit/s

95th percentile per-packet one-way delay: 53.636 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-12 01:20:53

End at: 2018-07-12 01:21:23

Local clock offset: -0.078 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-12 02:06:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.36 Mbit/s

95th percentile per-packet one-way delay: 51.263 ms

Loss rate: 0.00%

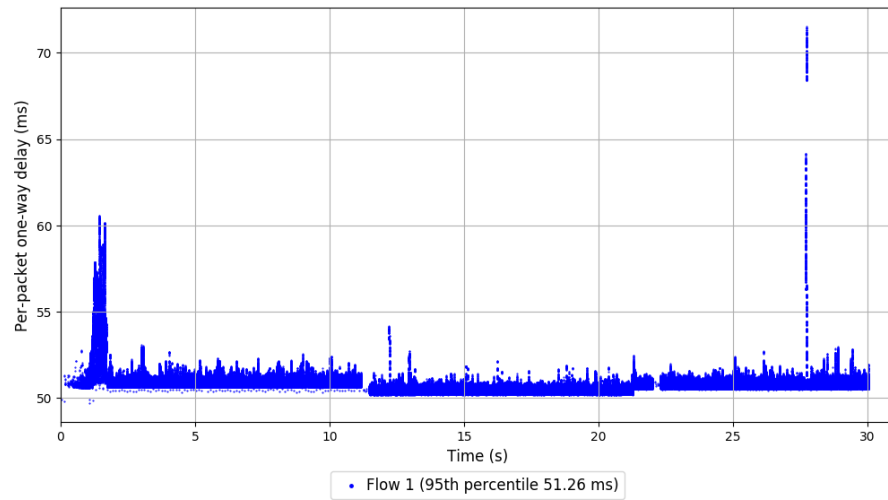
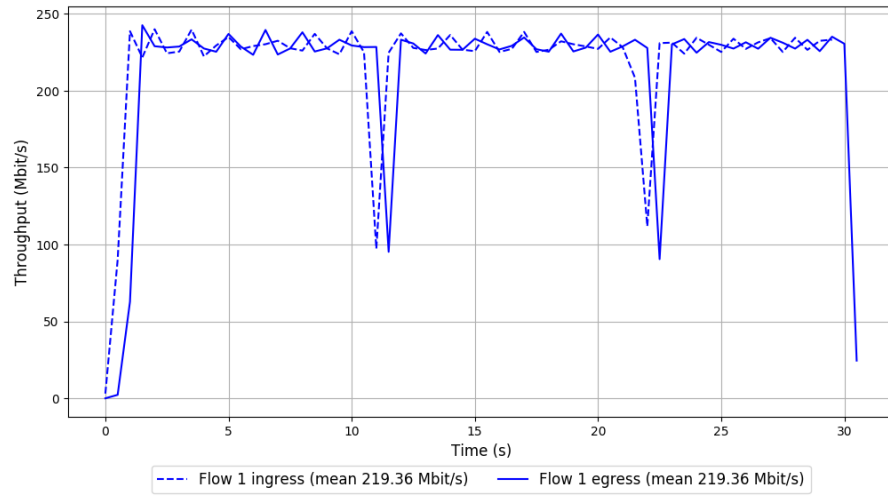
-- Flow 1:

Average throughput: 219.36 Mbit/s

95th percentile per-packet one-way delay: 51.263 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

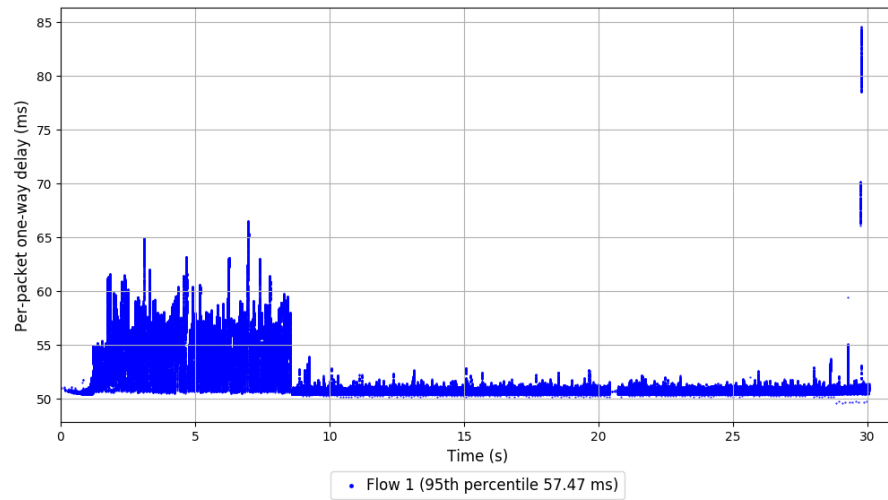
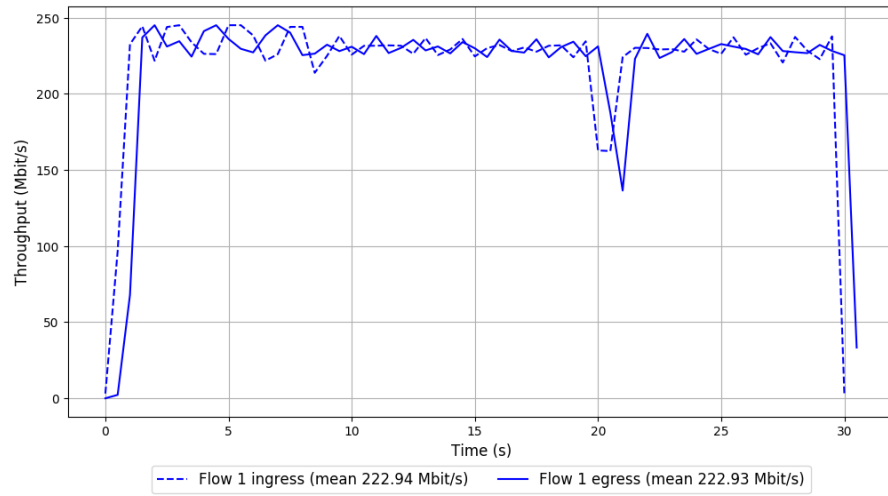


Run 10: Statistics of TCP BBR

Start at: 2018-07-12 01:42:55
End at: 2018-07-12 01:43:25
Local clock offset: -0.041 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 02:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.93 Mbit/s
95th percentile per-packet one-way delay: 57.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.93 Mbit/s
95th percentile per-packet one-way delay: 57.468 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

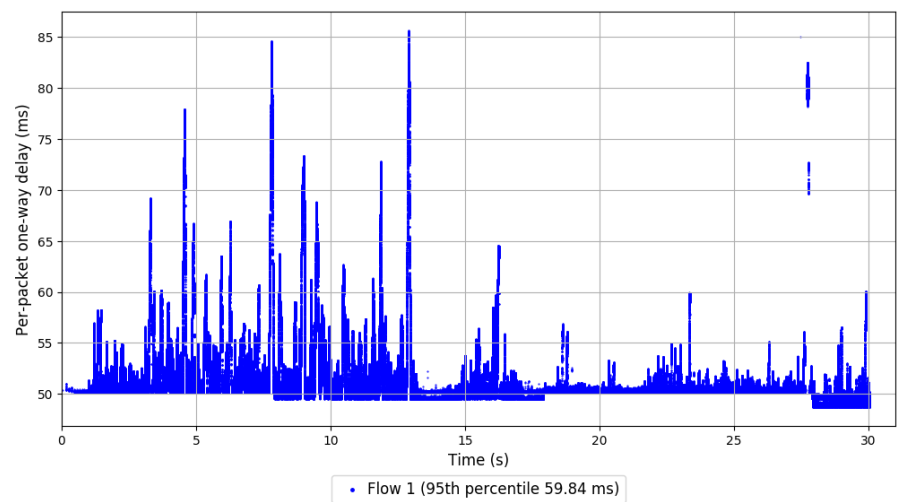
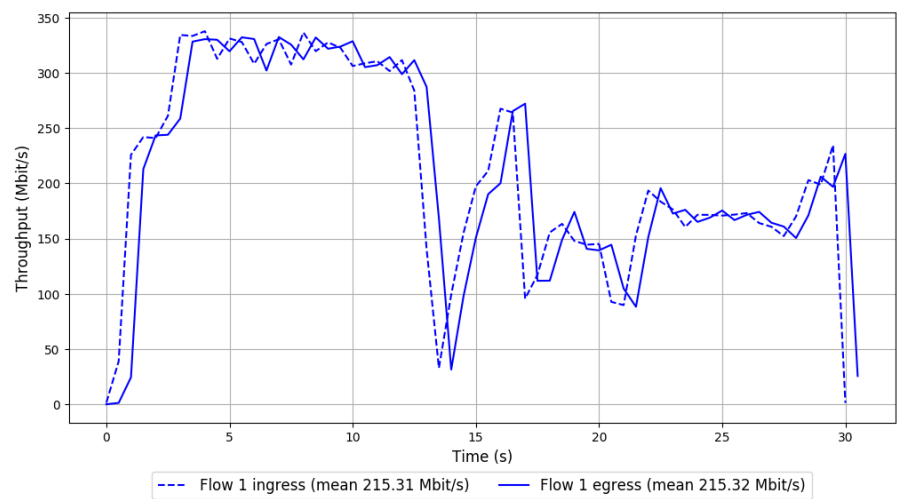


Run 1: Statistics of Copa

Start at: 2018-07-11 22:26:16
End at: 2018-07-11 22:26:46
Local clock offset: -0.034 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 02:09:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.32 Mbit/s
95th percentile per-packet one-way delay: 59.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.32 Mbit/s
95th percentile per-packet one-way delay: 59.840 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-11 22:48:22

End at: 2018-07-11 22:48:52

Local clock offset: -0.069 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-12 02:09:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.57 Mbit/s

95th percentile per-packet one-way delay: 53.083 ms

Loss rate: 0.00%

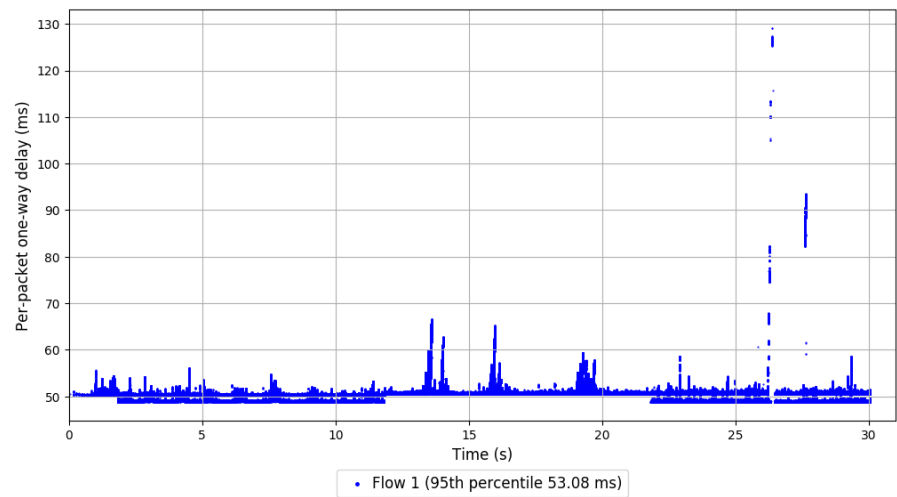
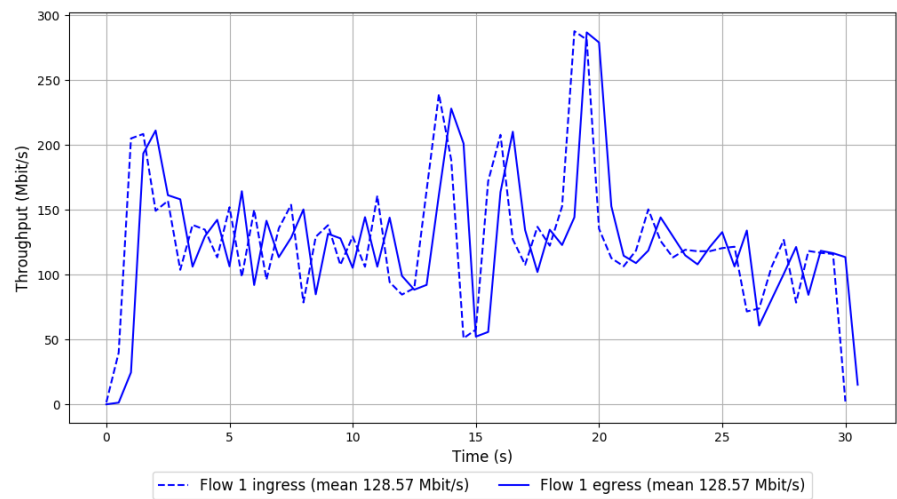
-- Flow 1:

Average throughput: 128.57 Mbit/s

95th percentile per-packet one-way delay: 53.083 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-11 23:10:43

End at: 2018-07-11 23:11:13

Local clock offset: -0.05 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-12 02:10:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.12 Mbit/s

95th percentile per-packet one-way delay: 55.131 ms

Loss rate: 0.00%

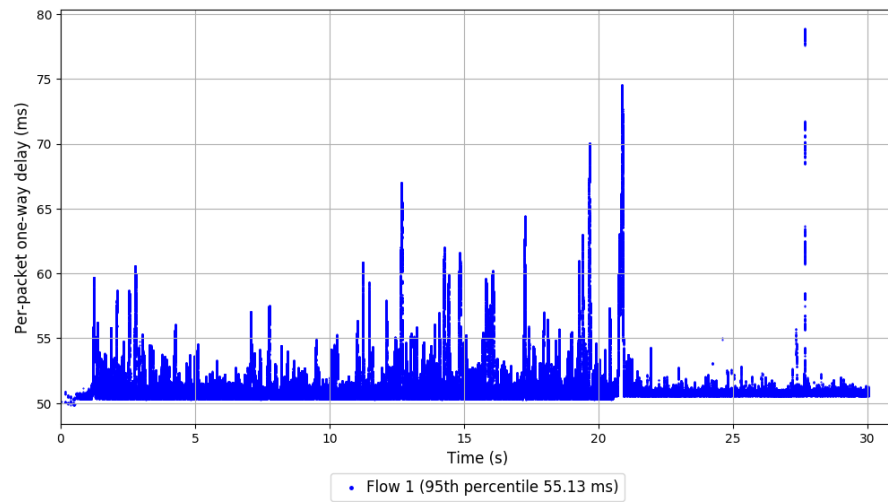
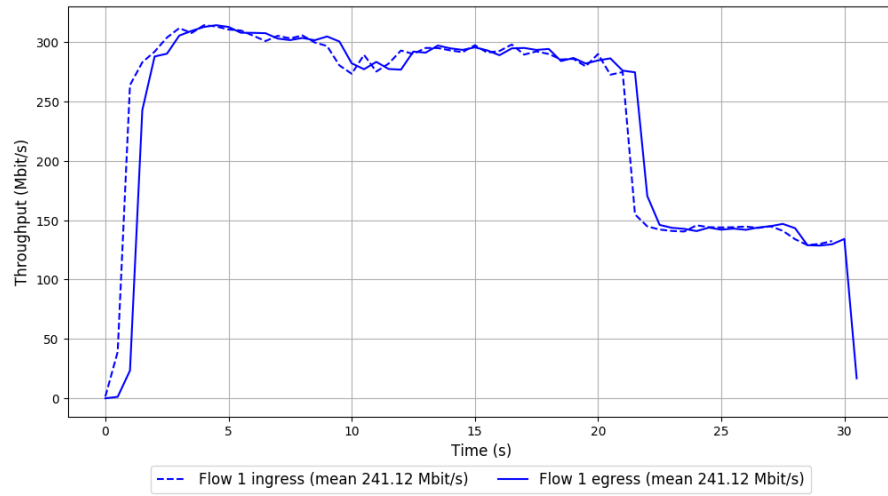
-- Flow 1:

Average throughput: 241.12 Mbit/s

95th percentile per-packet one-way delay: 55.131 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-11 23:32:44

End at: 2018-07-11 23:33:14

Local clock offset: -0.047 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-12 02:10:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.05 Mbit/s

95th percentile per-packet one-way delay: 57.192 ms

Loss rate: 0.00%

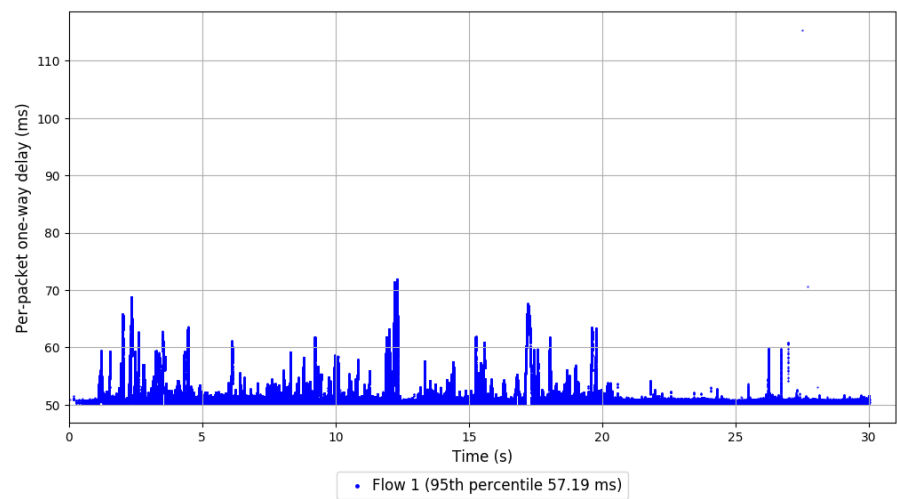
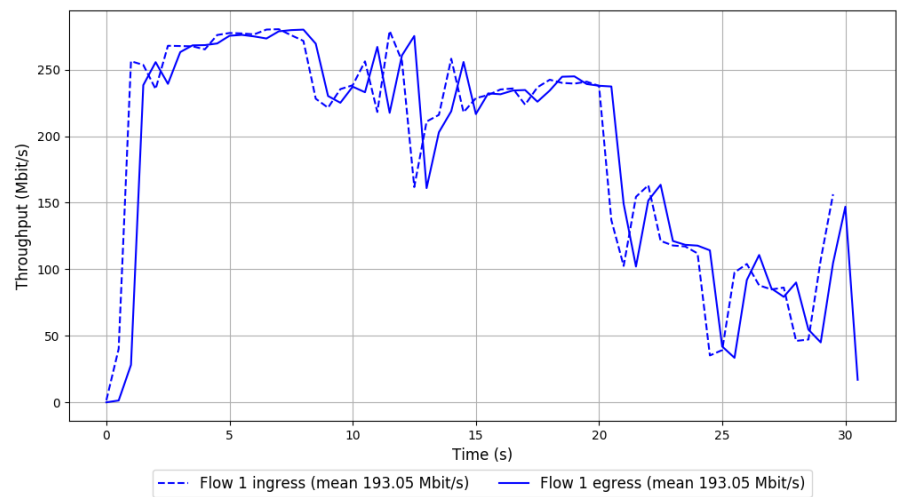
-- Flow 1:

Average throughput: 193.05 Mbit/s

95th percentile per-packet one-way delay: 57.192 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-11 23:54:56

End at: 2018-07-11 23:55:26

Local clock offset: -0.038 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-12 02:10:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 59.050 ms

Loss rate: 0.00%

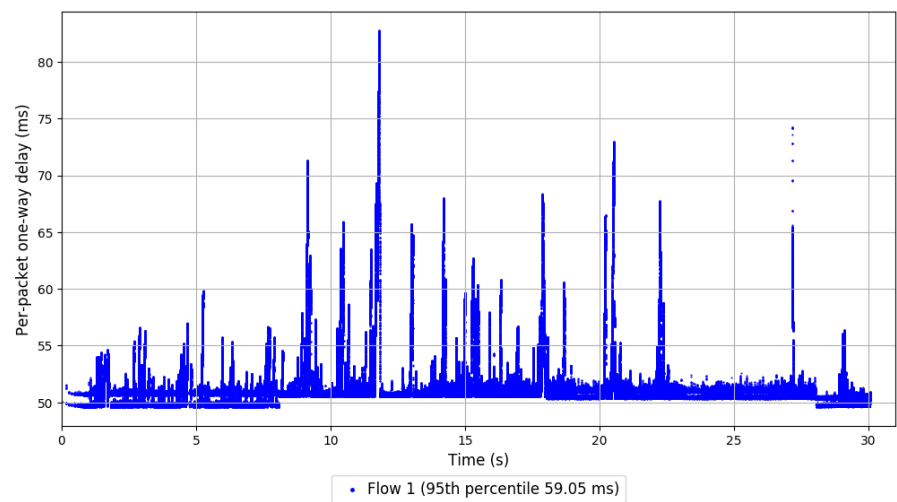
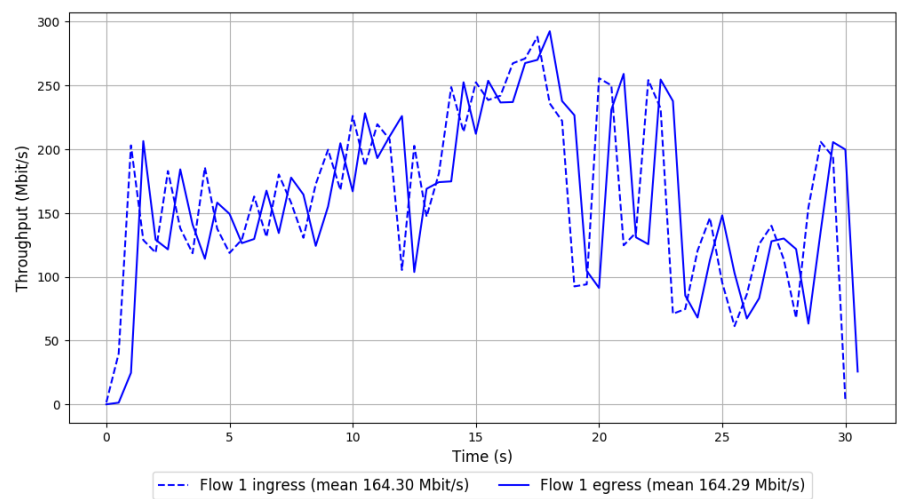
-- Flow 1:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 59.050 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

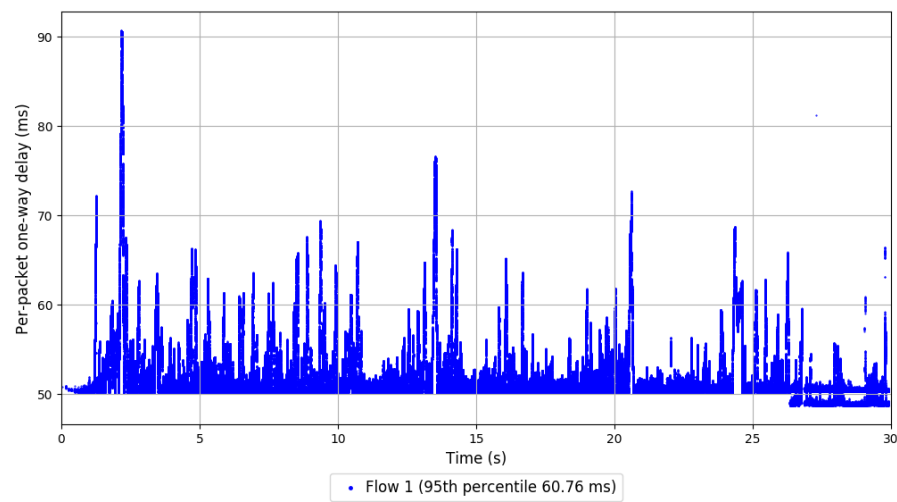
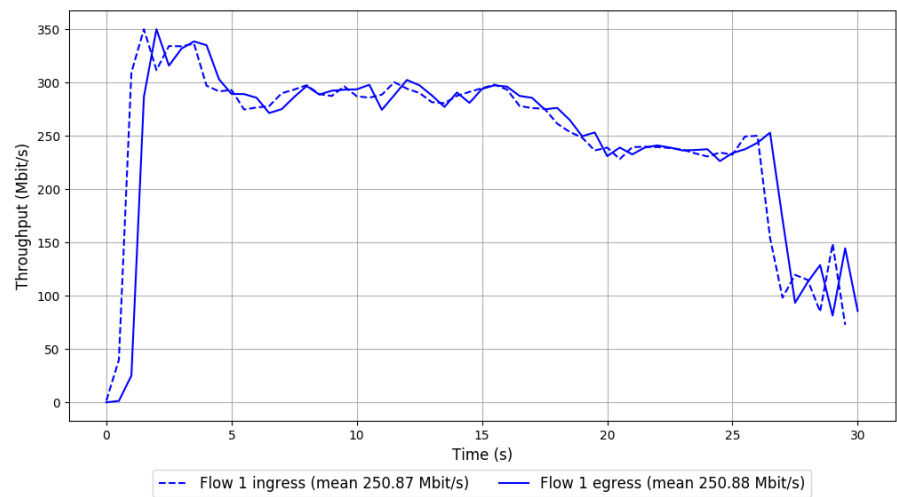


Run 6: Statistics of Copa

Start at: 2018-07-12 00:17:07
End at: 2018-07-12 00:17:37
Local clock offset: 0.009 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 02:10:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.88 Mbit/s
95th percentile per-packet one-way delay: 60.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.88 Mbit/s
95th percentile per-packet one-way delay: 60.761 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

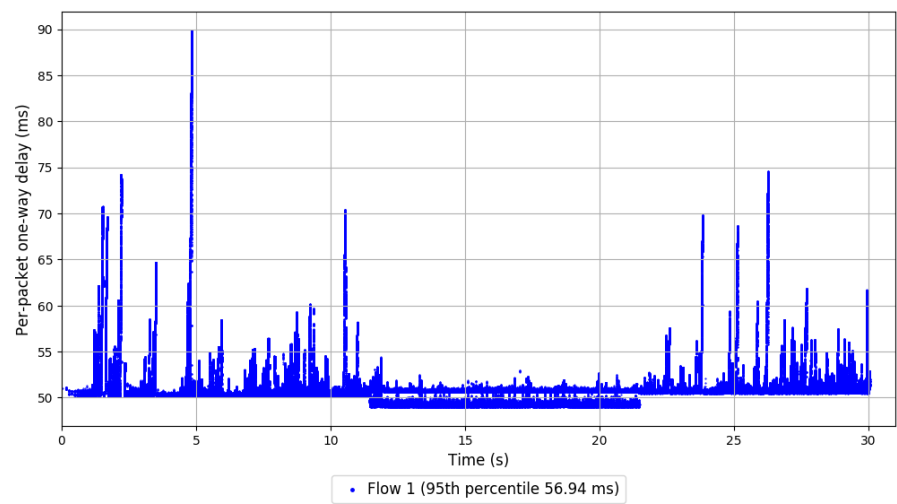
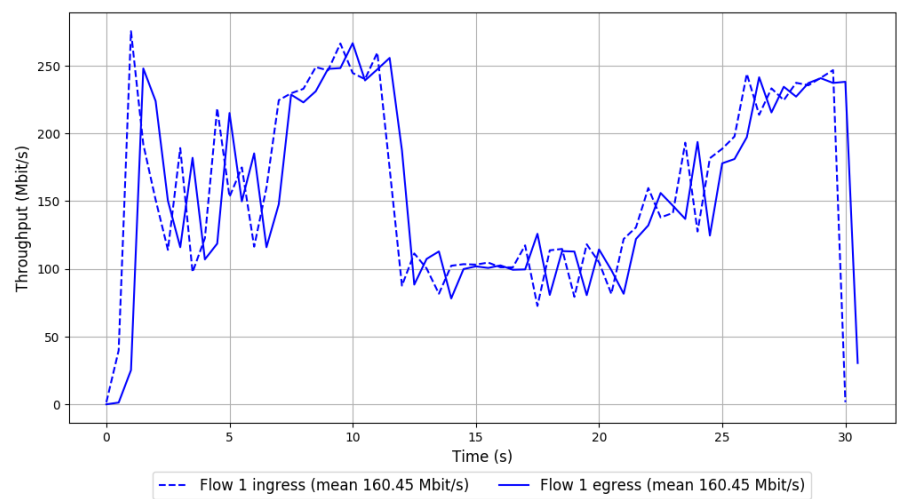


Run 7: Statistics of Copa

Start at: 2018-07-12 00:39:22
End at: 2018-07-12 00:39:52
Local clock offset: -0.075 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-12 02:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.45 Mbit/s
95th percentile per-packet one-way delay: 56.937 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.45 Mbit/s
95th percentile per-packet one-way delay: 56.937 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-12 01:01:25

End at: 2018-07-12 01:01:55

Local clock offset: 0.048 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-12 02:11:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.02 Mbit/s

95th percentile per-packet one-way delay: 74.564 ms

Loss rate: 0.00%

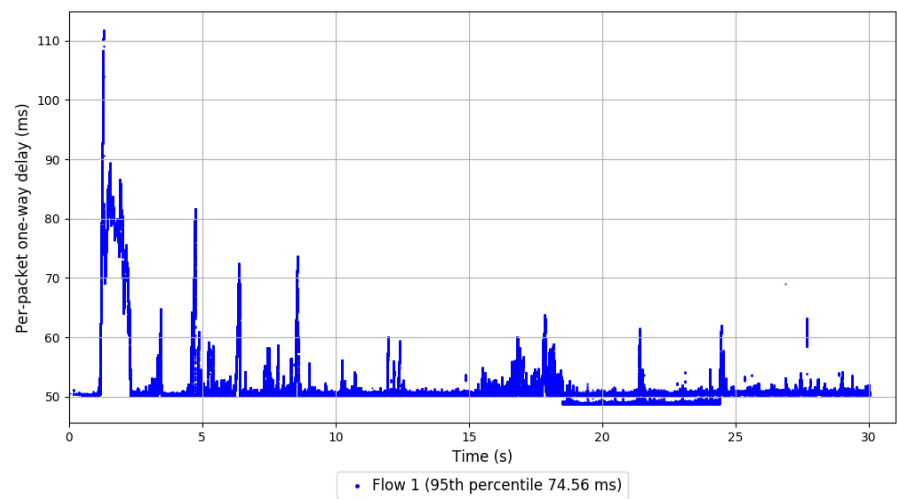
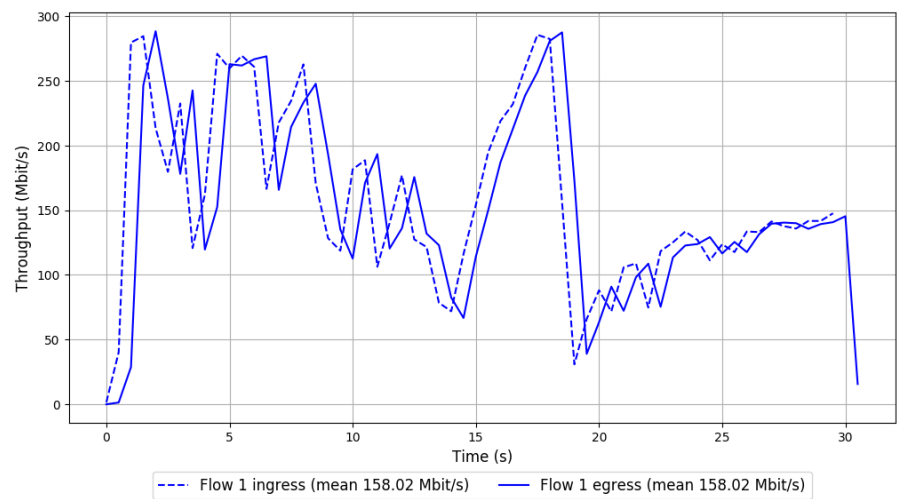
-- Flow 1:

Average throughput: 158.02 Mbit/s

95th percentile per-packet one-way delay: 74.564 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

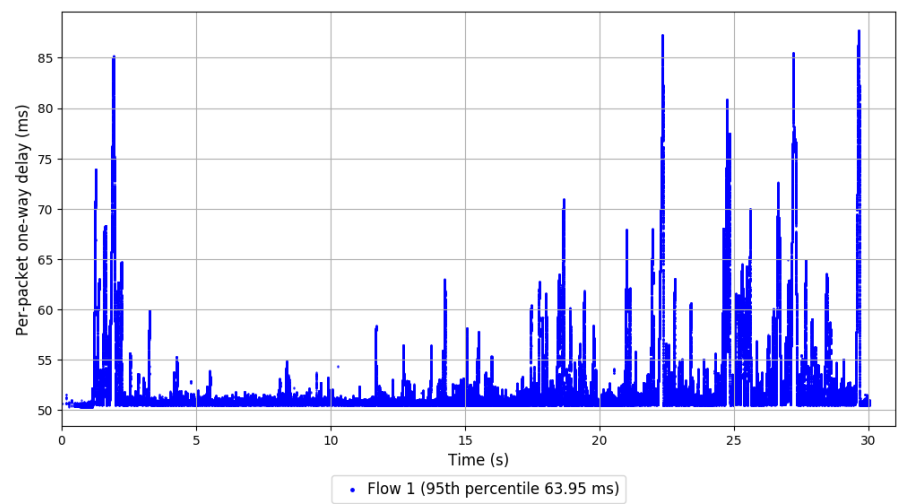
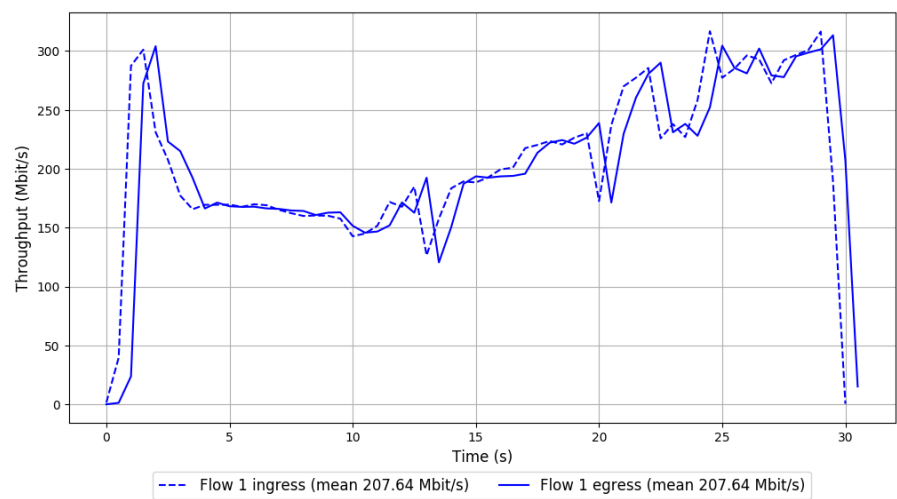


Run 9: Statistics of Copa

Start at: 2018-07-12 01:23:43
End at: 2018-07-12 01:24:13
Local clock offset: -0.066 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 02:13:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.64 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.64 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

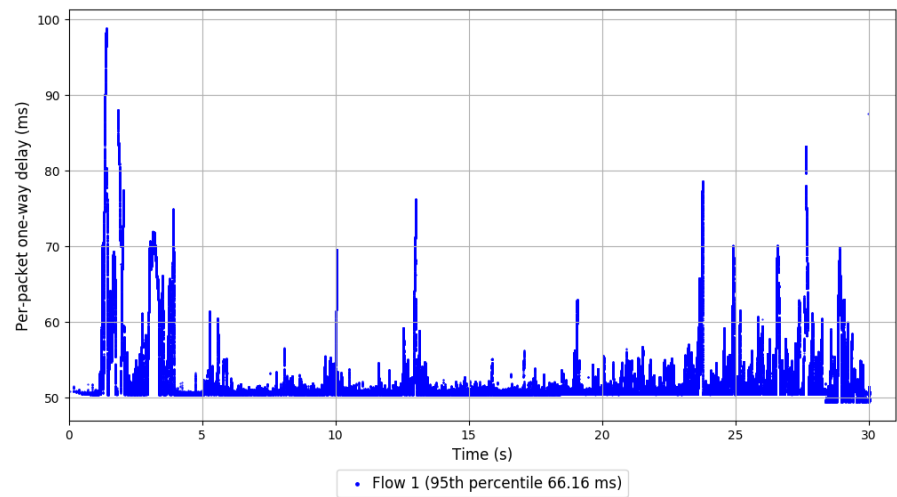
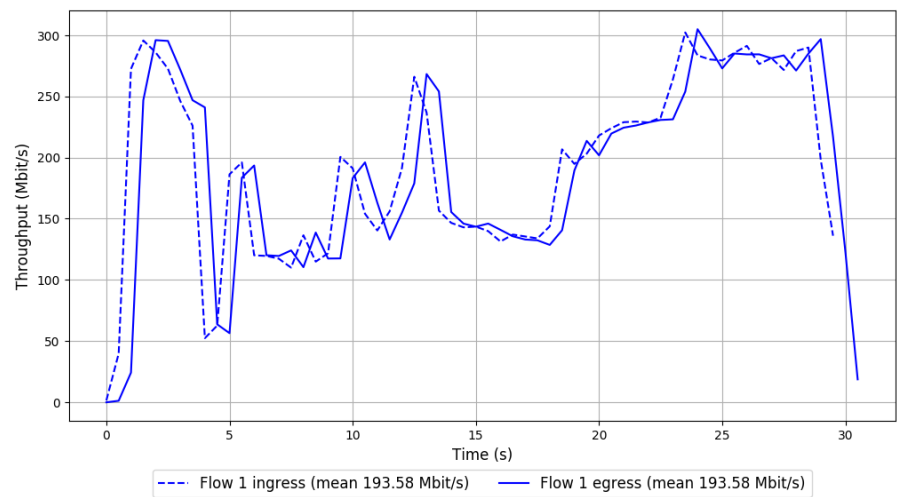


Run 10: Statistics of Copa

Start at: 2018-07-12 01:45:45
End at: 2018-07-12 01:46:15
Local clock offset: -0.069 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-12 02:14:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.58 Mbit/s
95th percentile per-packet one-way delay: 66.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.58 Mbit/s
95th percentile per-packet one-way delay: 66.156 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-11 22:15:51

End at: 2018-07-11 22:16:21

Local clock offset: 0.309 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-12 02:14:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.16 Mbit/s

95th percentile per-packet one-way delay: 59.694 ms

Loss rate: 0.00%

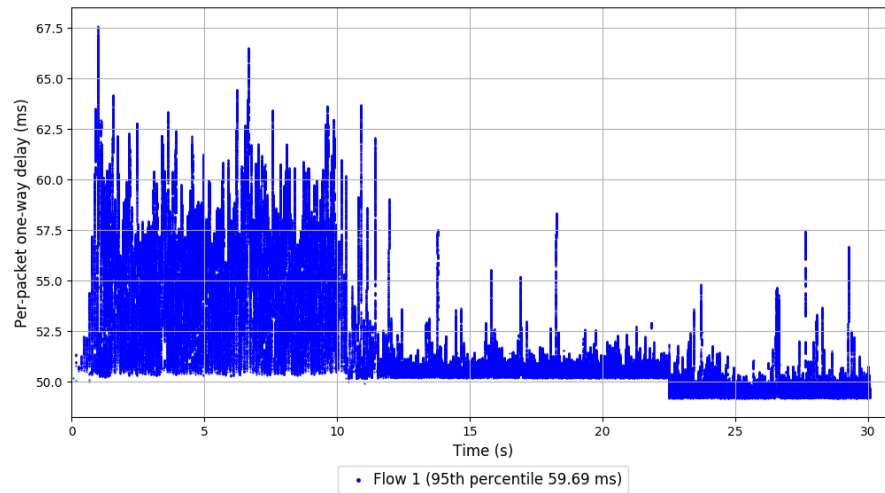
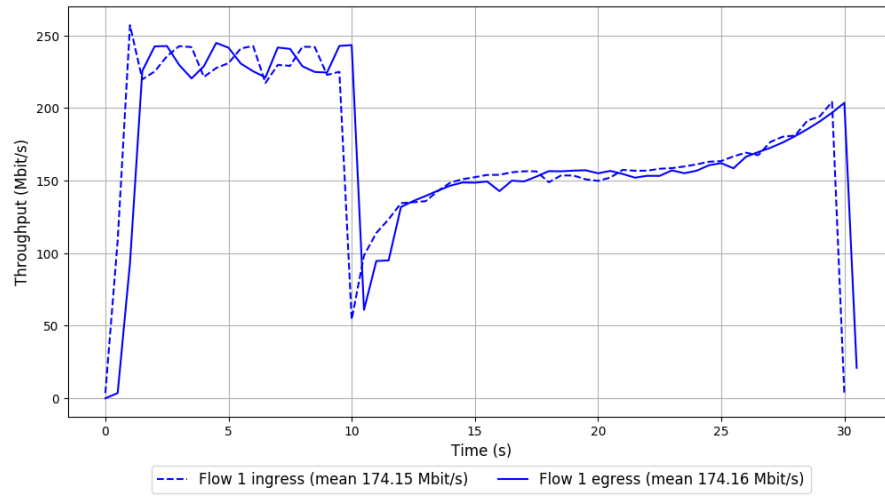
-- Flow 1:

Average throughput: 174.16 Mbit/s

95th percentile per-packet one-way delay: 59.694 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

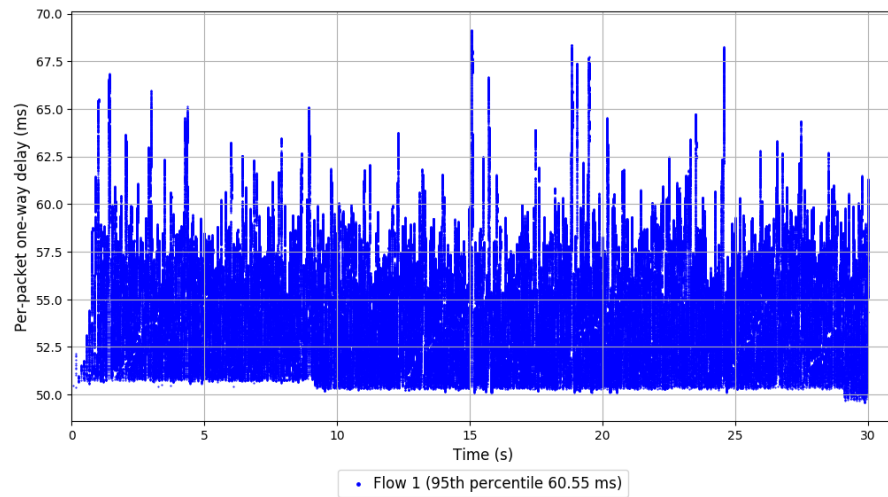
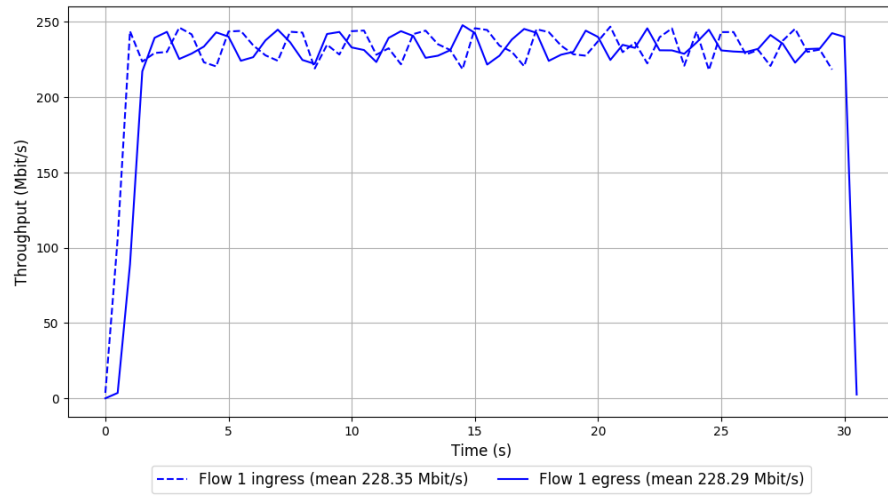


Run 2: Statistics of TCP Cubic

Start at: 2018-07-11 22:37:55
End at: 2018-07-11 22:38:25
Local clock offset: -0.017 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-12 02:14:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.29 Mbit/s
95th percentile per-packet one-way delay: 60.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.29 Mbit/s
95th percentile per-packet one-way delay: 60.551 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-11 23:00:06

End at: 2018-07-11 23:00:36

Local clock offset: -0.027 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-12 02:14:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.10 Mbit/s

95th percentile per-packet one-way delay: 61.582 ms

Loss rate: 0.00%

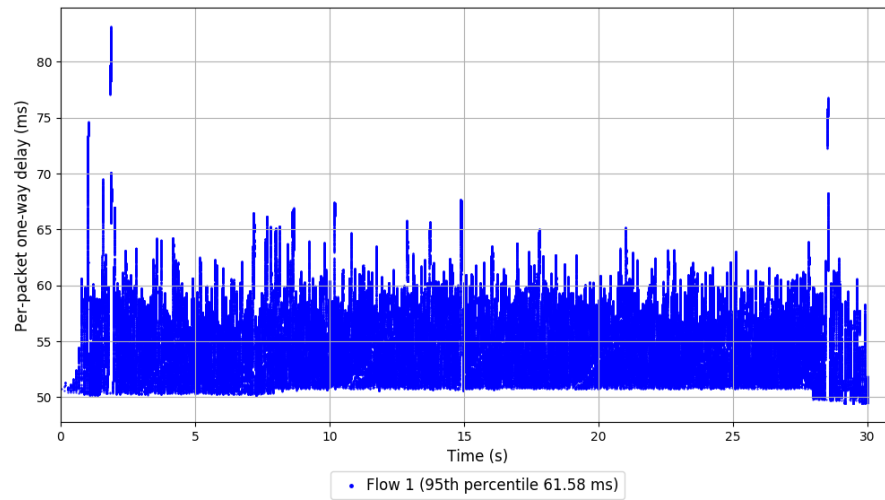
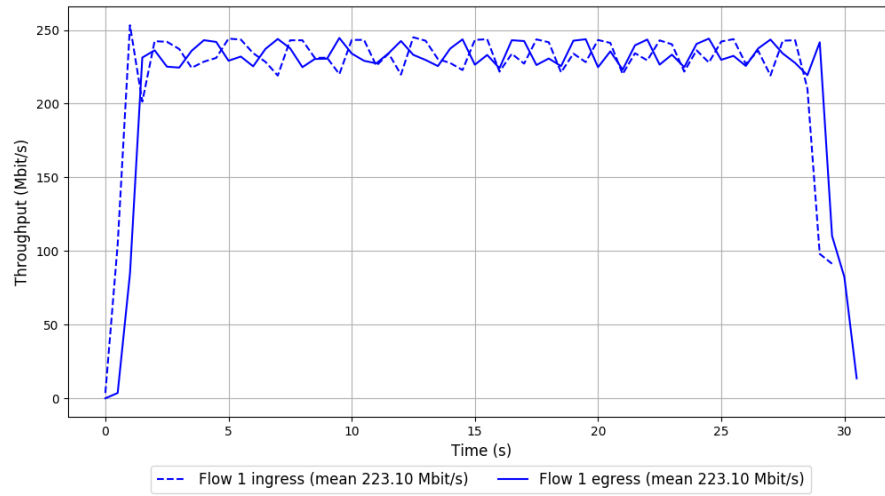
-- Flow 1:

Average throughput: 223.10 Mbit/s

95th percentile per-packet one-way delay: 61.582 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

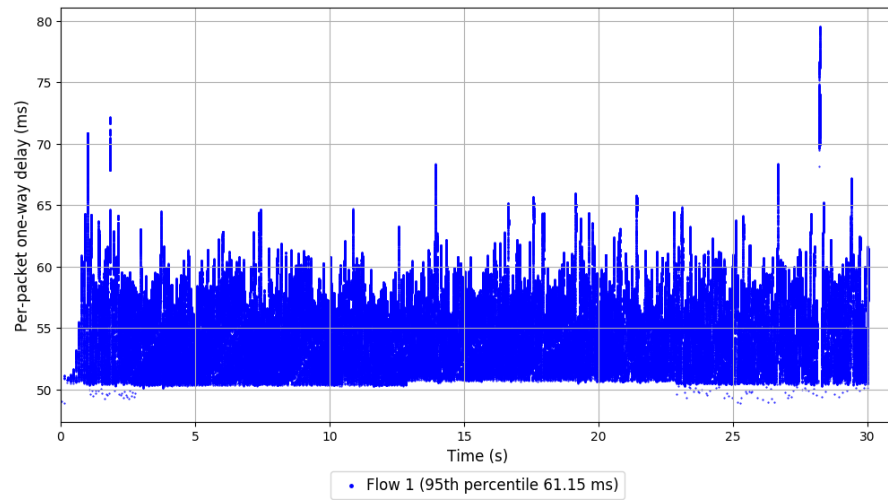
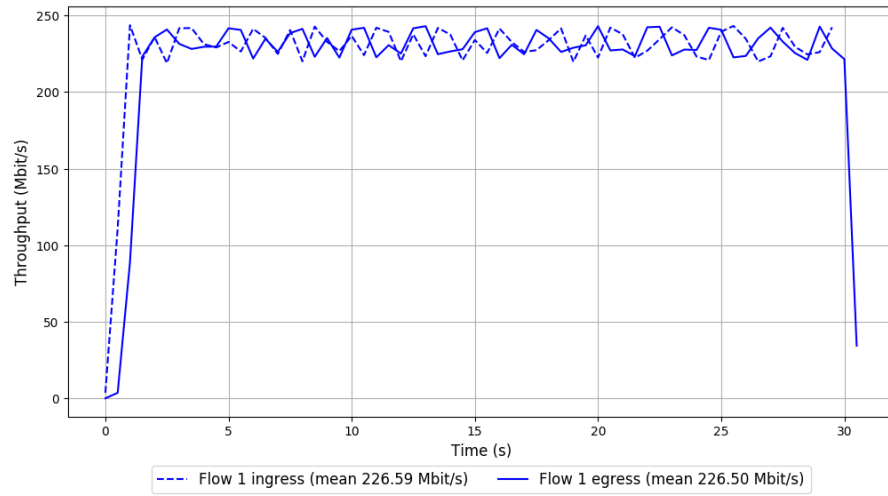


Run 4: Statistics of TCP Cubic

Start at: 2018-07-11 23:22:11
End at: 2018-07-11 23:22:41
Local clock offset: -0.052 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 02:14:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.50 Mbit/s
95th percentile per-packet one-way delay: 61.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.50 Mbit/s
95th percentile per-packet one-way delay: 61.151 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-11 23:44:27

End at: 2018-07-11 23:44:57

Local clock offset: -0.057 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 02:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.70 Mbit/s

95th percentile per-packet one-way delay: 59.955 ms

Loss rate: 0.05%

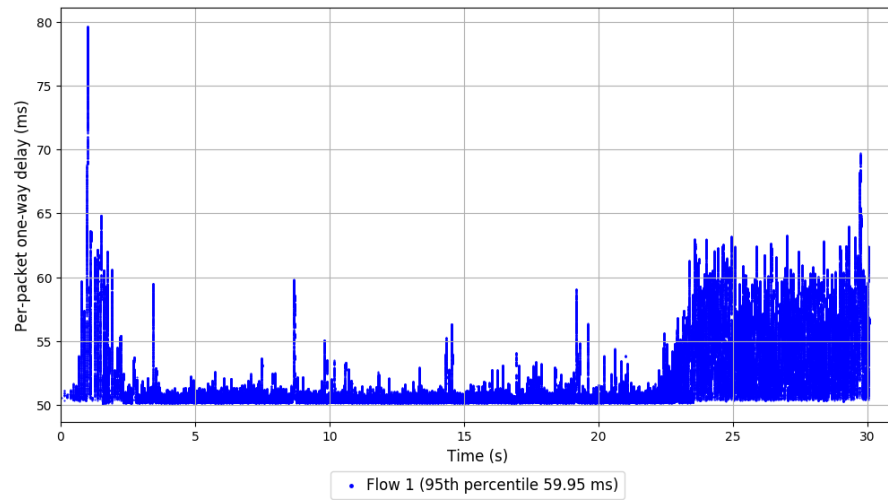
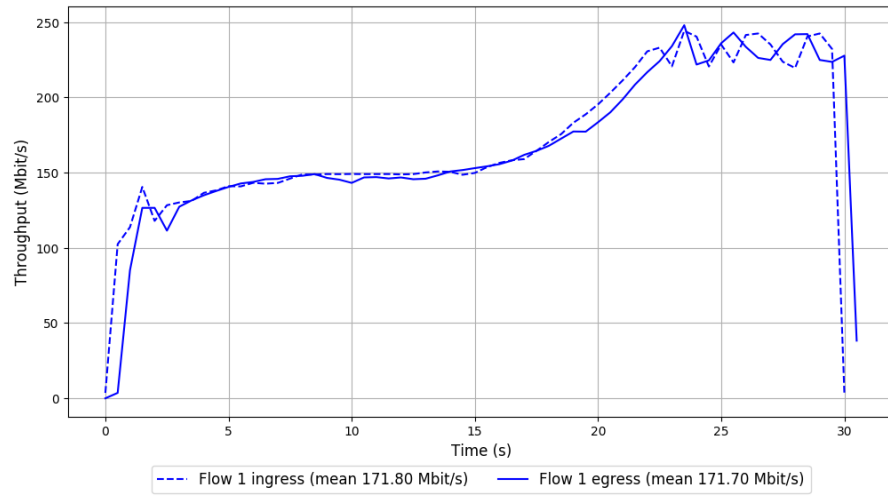
-- Flow 1:

Average throughput: 171.70 Mbit/s

95th percentile per-packet one-way delay: 59.955 ms

Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-12 00:06:35

End at: 2018-07-12 00:07:05

Local clock offset: -0.064 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-12 02:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.48 Mbit/s

95th percentile per-packet one-way delay: 62.318 ms

Loss rate: 0.00%

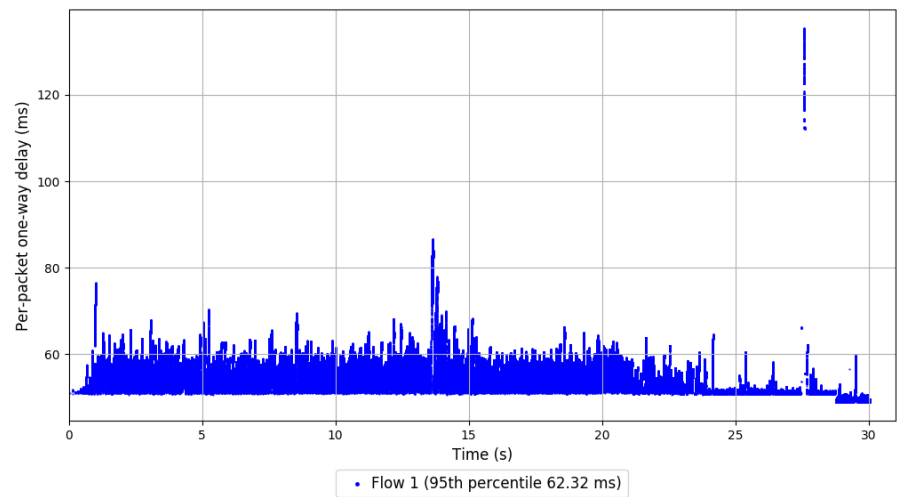
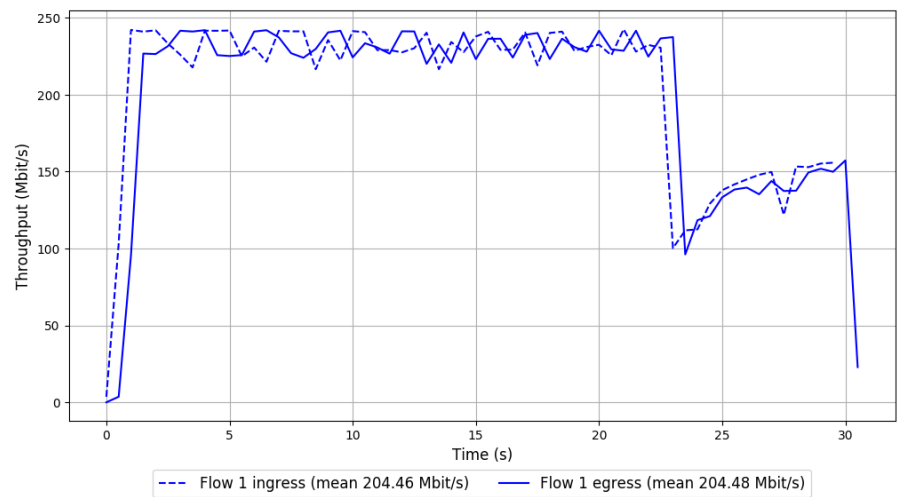
-- Flow 1:

Average throughput: 204.48 Mbit/s

95th percentile per-packet one-way delay: 62.318 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

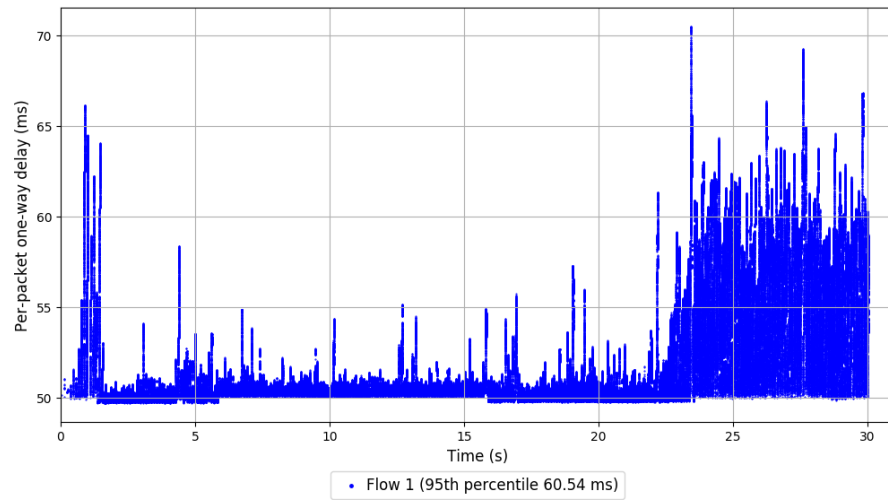
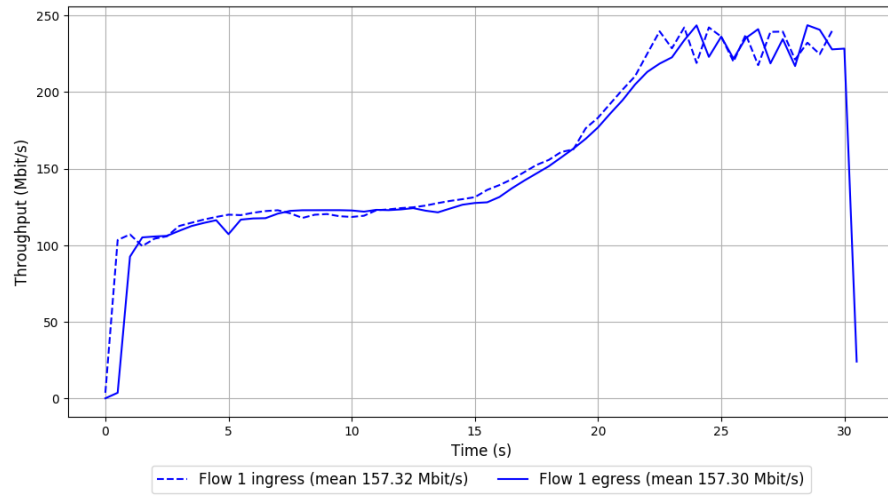


Run 7: Statistics of TCP Cubic

Start at: 2018-07-12 00:28:48
End at: 2018-07-12 00:29:18
Local clock offset: 0.343 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-12 02:14:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.30 Mbit/s
95th percentile per-packet one-way delay: 60.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.30 Mbit/s
95th percentile per-packet one-way delay: 60.544 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-12 00:50:57

End at: 2018-07-12 00:51:27

Local clock offset: 0.031 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-12 02:15:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.29 Mbit/s

95th percentile per-packet one-way delay: 59.715 ms

Loss rate: 0.00%

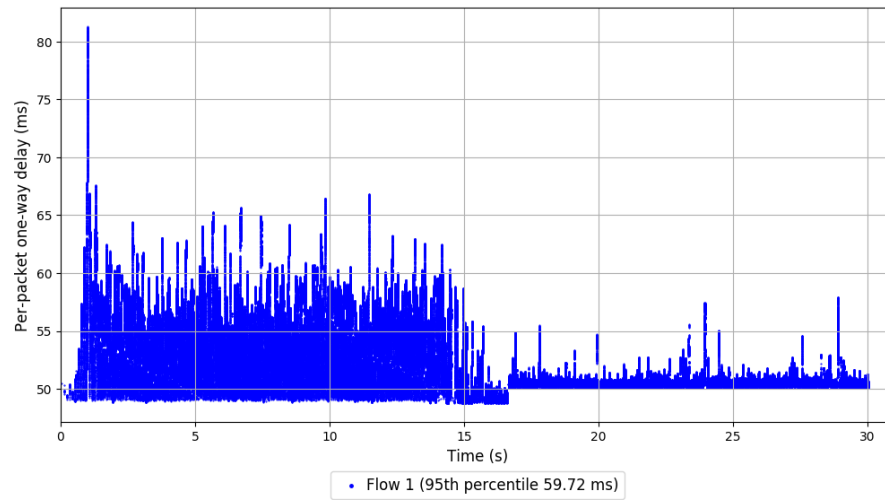
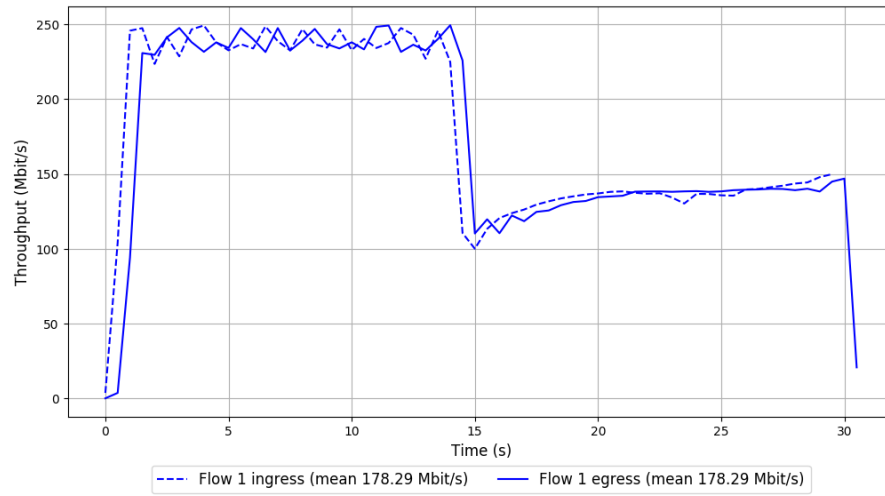
-- Flow 1:

Average throughput: 178.29 Mbit/s

95th percentile per-packet one-way delay: 59.715 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

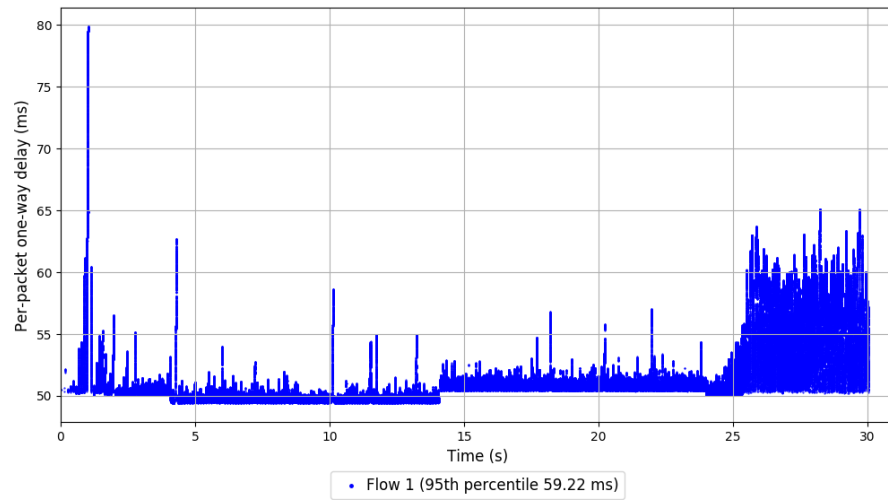
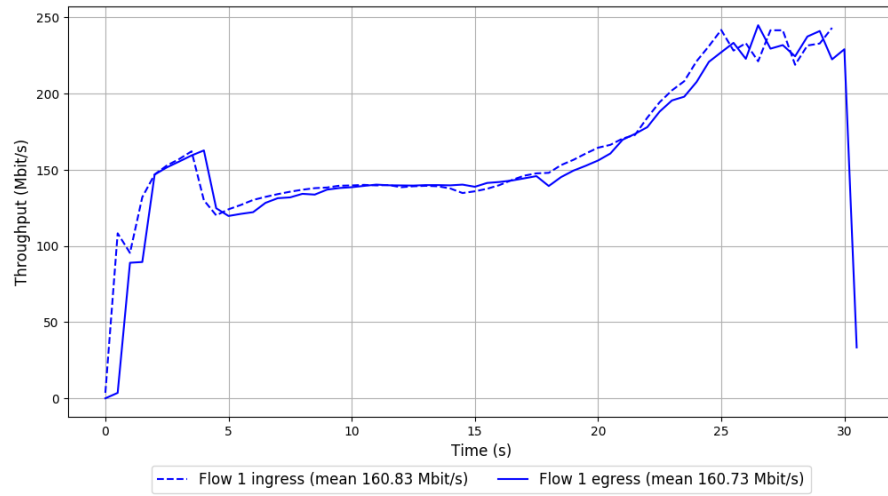


Run 9: Statistics of TCP Cubic

Start at: 2018-07-12 01:13:10
End at: 2018-07-12 01:13:40
Local clock offset: -0.008 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-12 02:15:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.73 Mbit/s
95th percentile per-packet one-way delay: 59.222 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 160.73 Mbit/s
95th percentile per-packet one-way delay: 59.222 ms
Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link

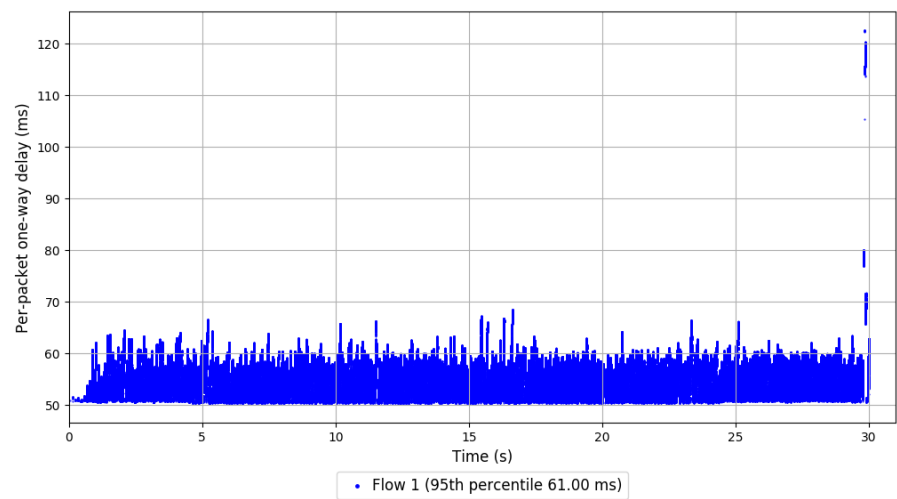
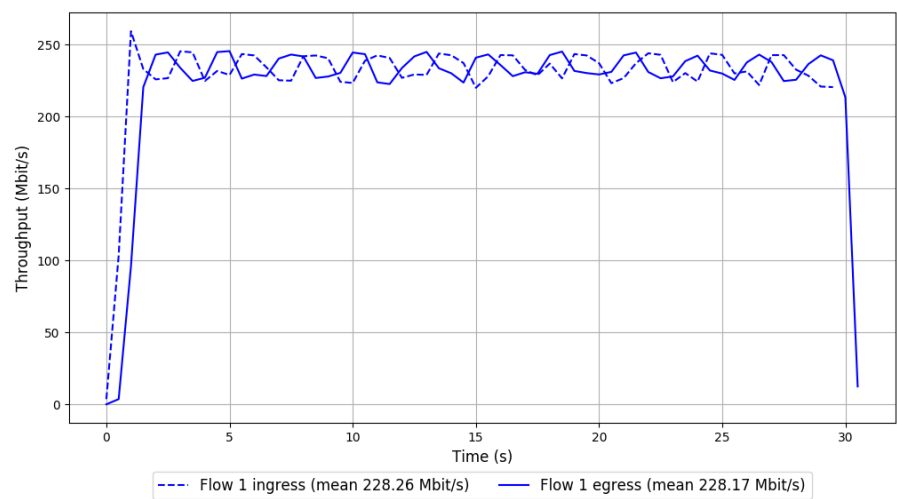


Run 10: Statistics of TCP Cubic

Start at: 2018-07-12 01:35:19
End at: 2018-07-12 01:35:49
Local clock offset: -0.114 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-12 02:17:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.17 Mbit/s
95th percentile per-packet one-way delay: 60.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.17 Mbit/s
95th percentile per-packet one-way delay: 60.999 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

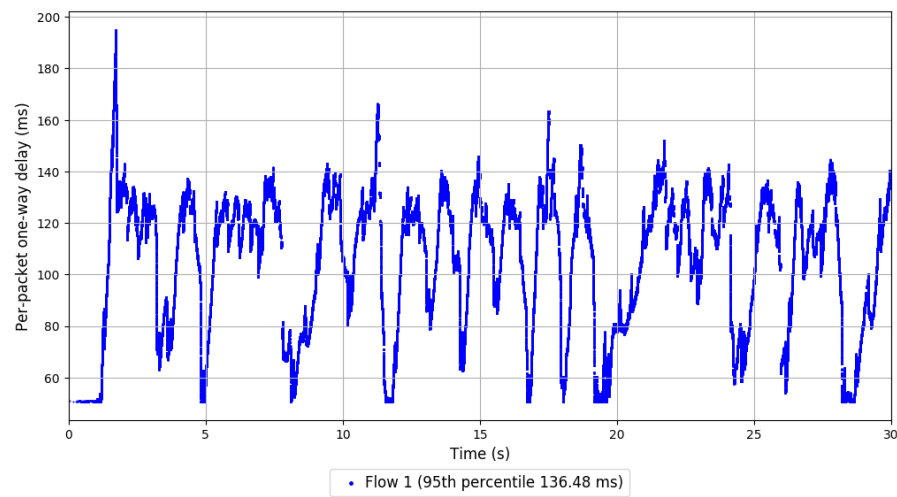
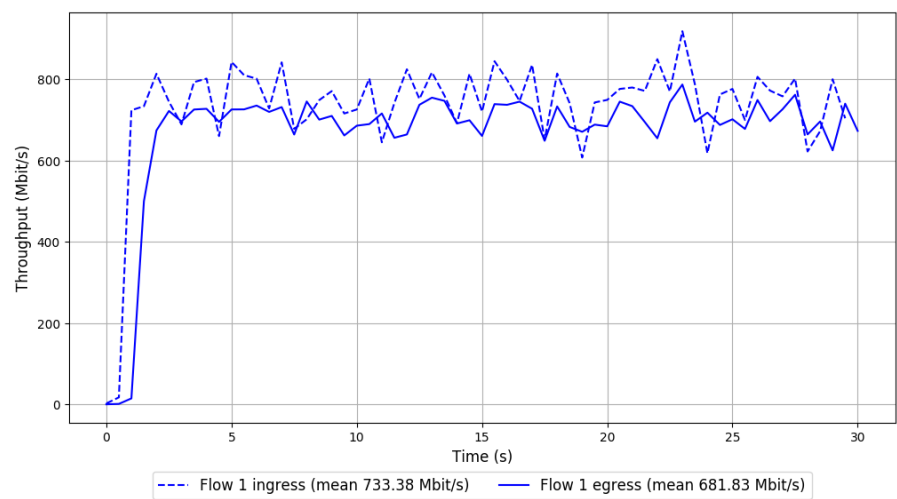


Run 1: Statistics of FillP

Start at: 2018-07-11 22:24:42
End at: 2018-07-11 22:25:12
Local clock offset: -0.033 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 02:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 681.83 Mbit/s
95th percentile per-packet one-way delay: 136.480 ms
Loss rate: 7.03%
-- Flow 1:
Average throughput: 681.83 Mbit/s
95th percentile per-packet one-way delay: 136.480 ms
Loss rate: 7.03%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-11 22:46:53

End at: 2018-07-11 22:47:23

Local clock offset: -0.037 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-12 02:27:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.47 Mbit/s

95th percentile per-packet one-way delay: 142.206 ms

Loss rate: 7.88%

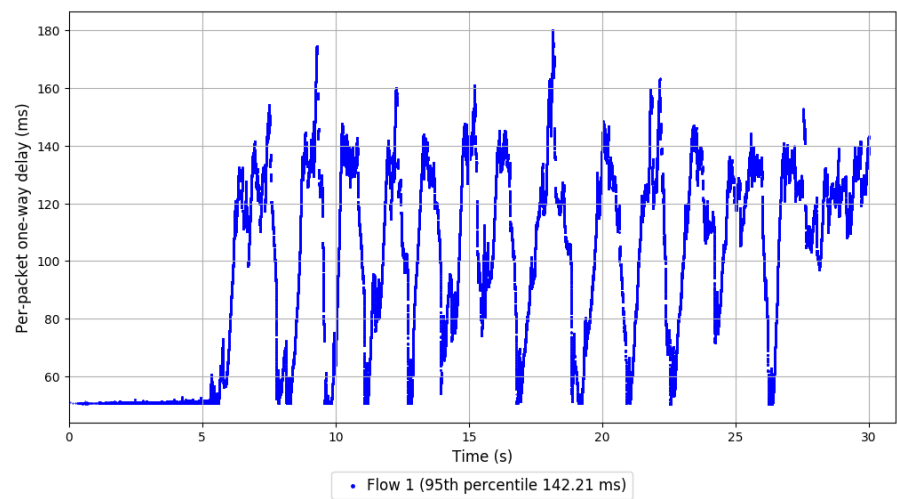
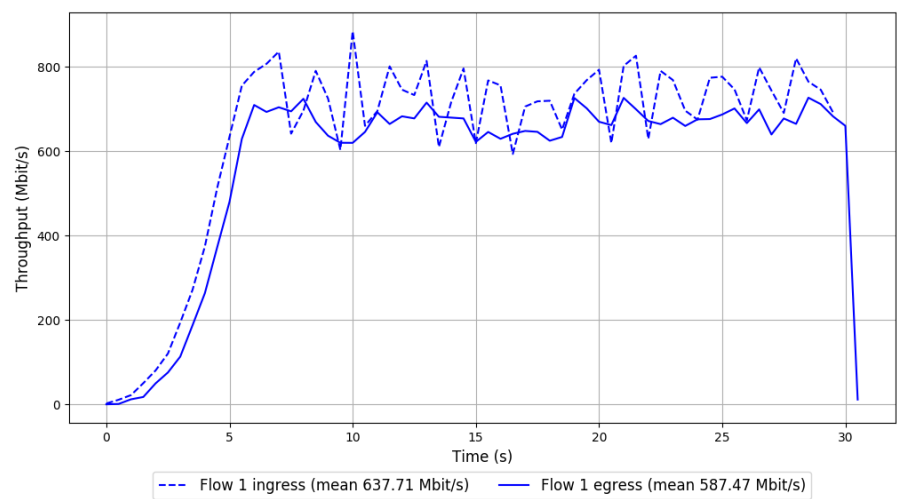
-- Flow 1:

Average throughput: 587.47 Mbit/s

95th percentile per-packet one-way delay: 142.206 ms

Loss rate: 7.88%

Run 2: Report of FillP — Data Link

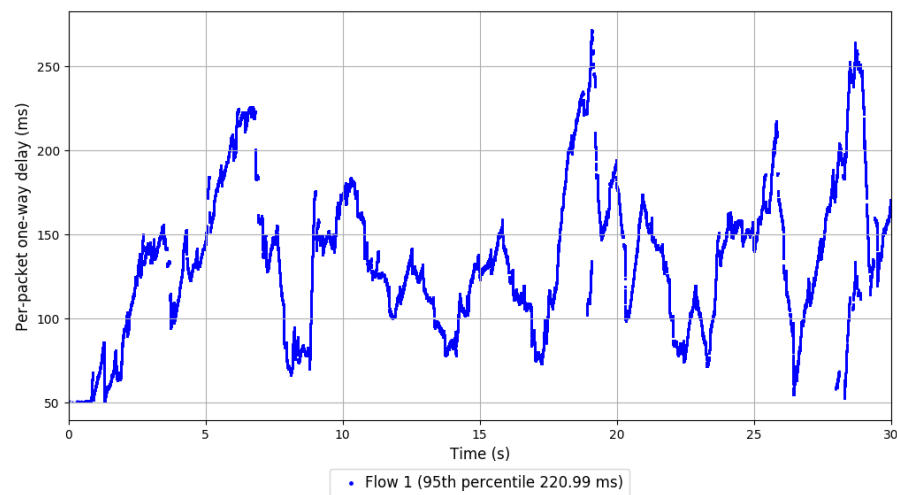
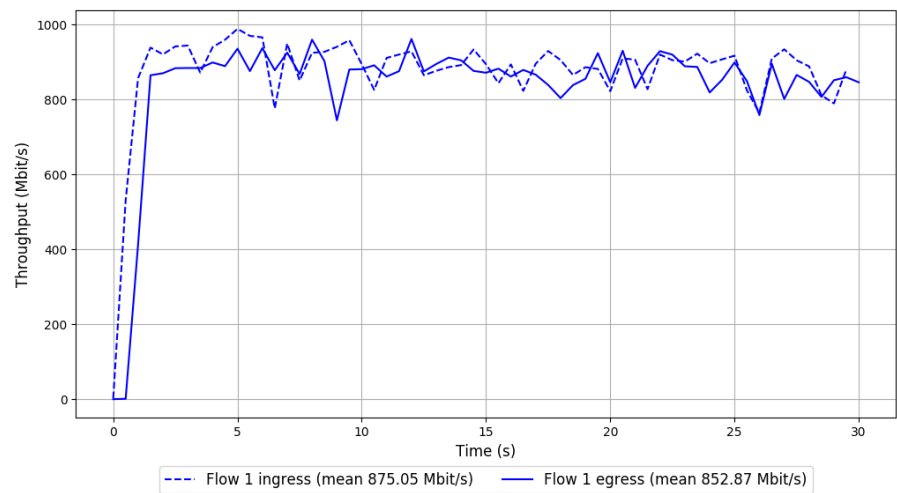


Run 3: Statistics of FillP

Start at: 2018-07-11 23:09:02
End at: 2018-07-11 23:09:32
Local clock offset: -0.02 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 02:31:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 852.87 Mbit/s
95th percentile per-packet one-way delay: 220.988 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 852.87 Mbit/s
95th percentile per-packet one-way delay: 220.988 ms
Loss rate: 2.54%

Run 3: Report of FillP — Data Link

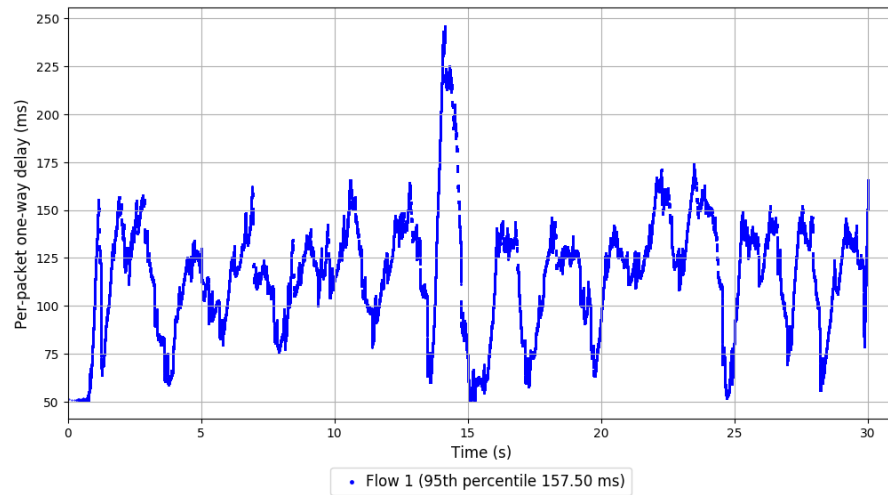
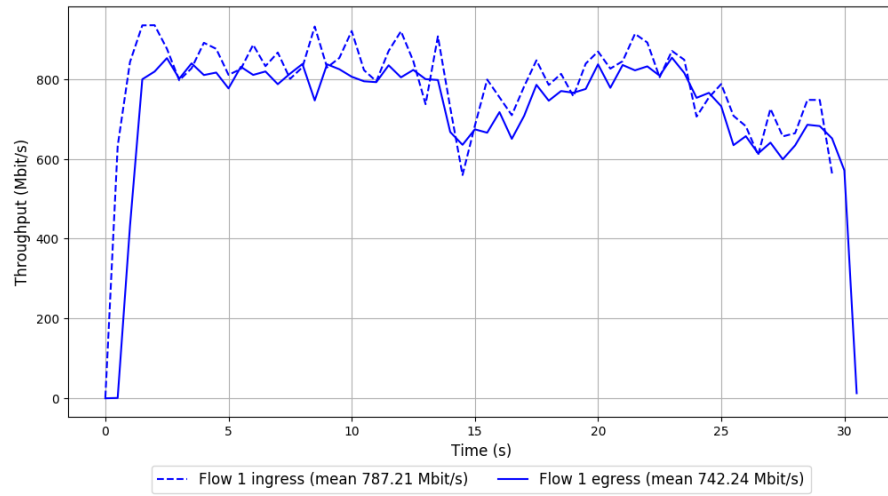


Run 4: Statistics of FillP

Start at: 2018-07-11 23:31:10
End at: 2018-07-11 23:31:40
Local clock offset: -0.404 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 02:31:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 742.24 Mbit/s
95th percentile per-packet one-way delay: 157.500 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 742.24 Mbit/s
95th percentile per-packet one-way delay: 157.500 ms
Loss rate: 5.71%

Run 4: Report of FillP — Data Link

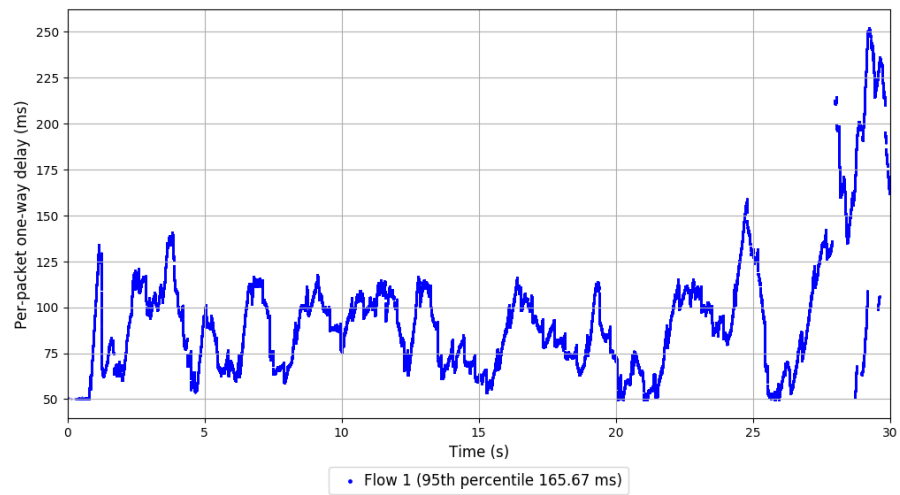
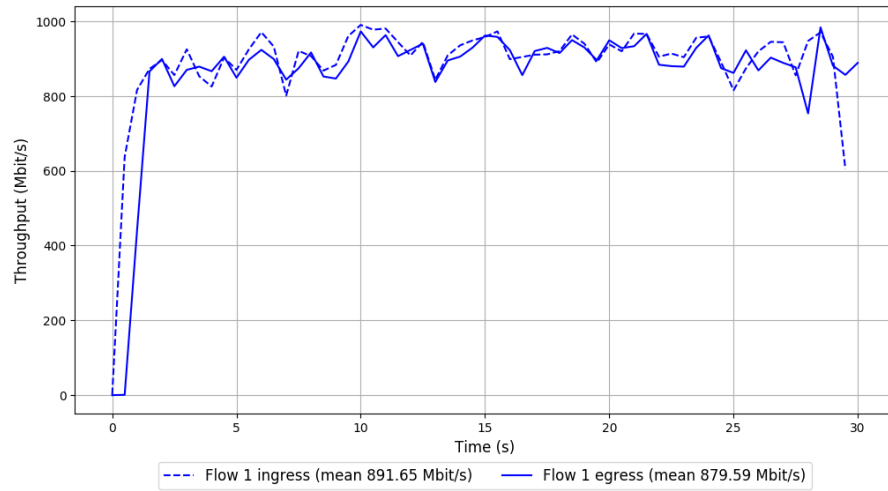


Run 5: Statistics of FillP

Start at: 2018-07-11 23:53:17
End at: 2018-07-11 23:53:47
Local clock offset: -0.028 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 02:31:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.59 Mbit/s
95th percentile per-packet one-way delay: 165.672 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 879.59 Mbit/s
95th percentile per-packet one-way delay: 165.672 ms
Loss rate: 1.35%

Run 5: Report of FillP — Data Link

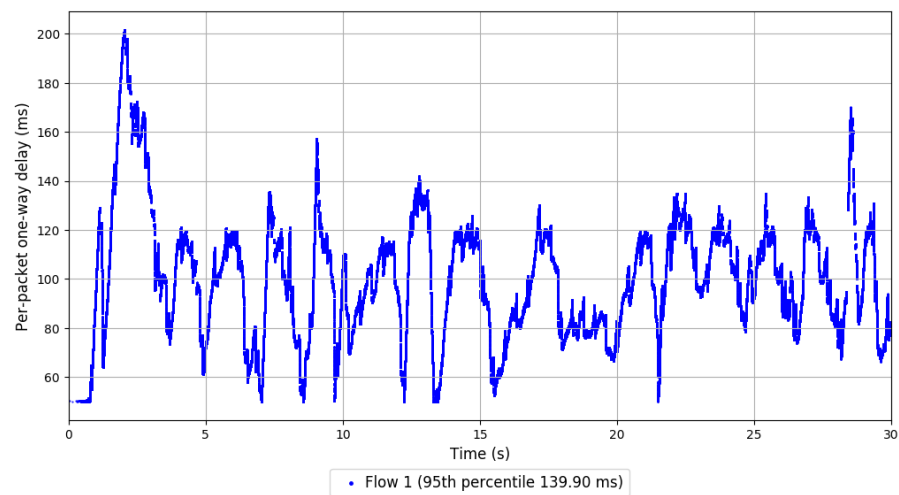
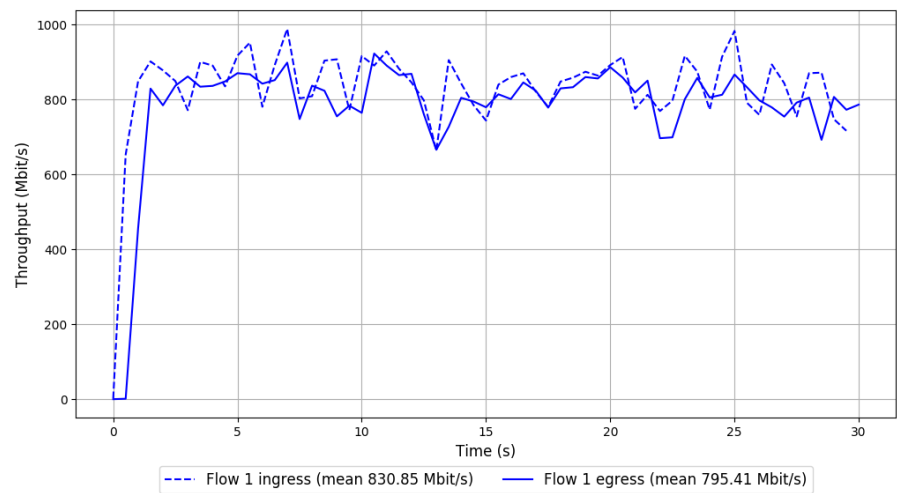


Run 6: Statistics of FillP

Start at: 2018-07-12 00:15:31
End at: 2018-07-12 00:16:01
Local clock offset: -0.021 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-12 02:31:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.41 Mbit/s
95th percentile per-packet one-way delay: 139.903 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 795.41 Mbit/s
95th percentile per-packet one-way delay: 139.903 ms
Loss rate: 4.26%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-12 00:37:45

End at: 2018-07-12 00:38:15

Local clock offset: -0.012 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-12 02:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 819.77 Mbit/s

95th percentile per-packet one-way delay: 205.059 ms

Loss rate: 3.02%

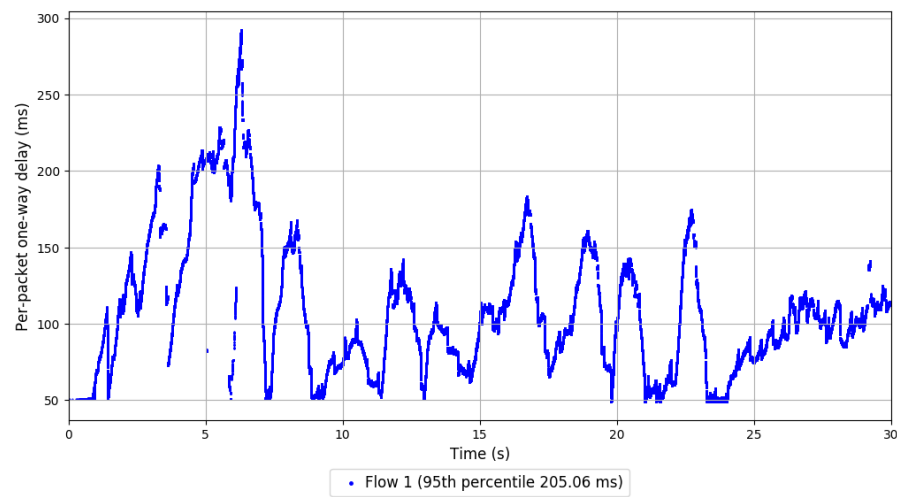
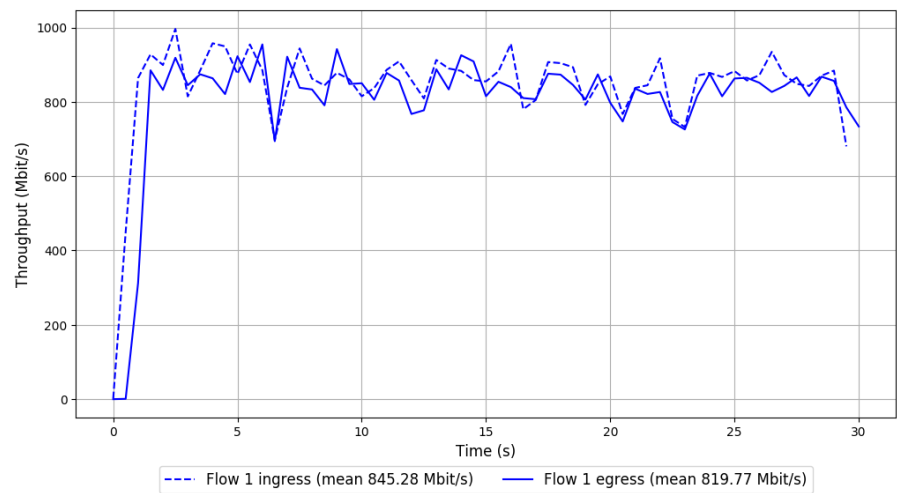
-- Flow 1:

Average throughput: 819.77 Mbit/s

95th percentile per-packet one-way delay: 205.059 ms

Loss rate: 3.02%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-12 00:59:47

End at: 2018-07-12 01:00:17

Local clock offset: -0.057 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-12 02:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 845.93 Mbit/s

95th percentile per-packet one-way delay: 217.888 ms

Loss rate: 2.61%

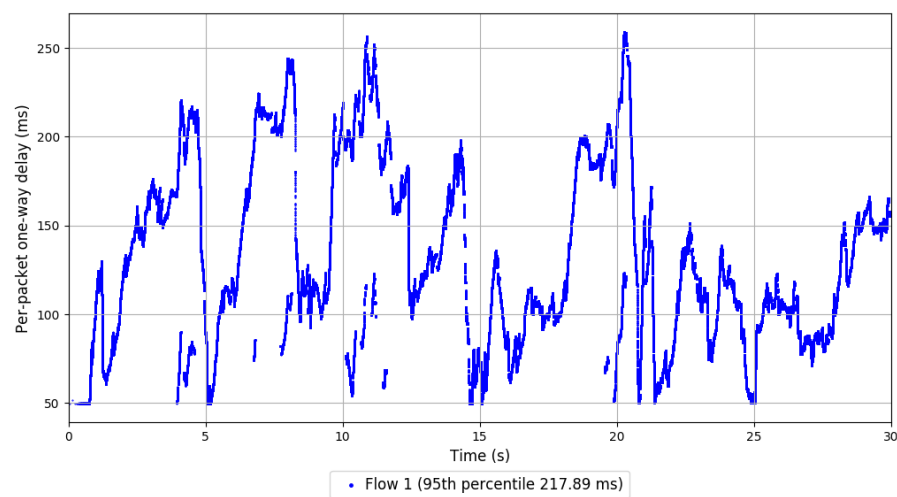
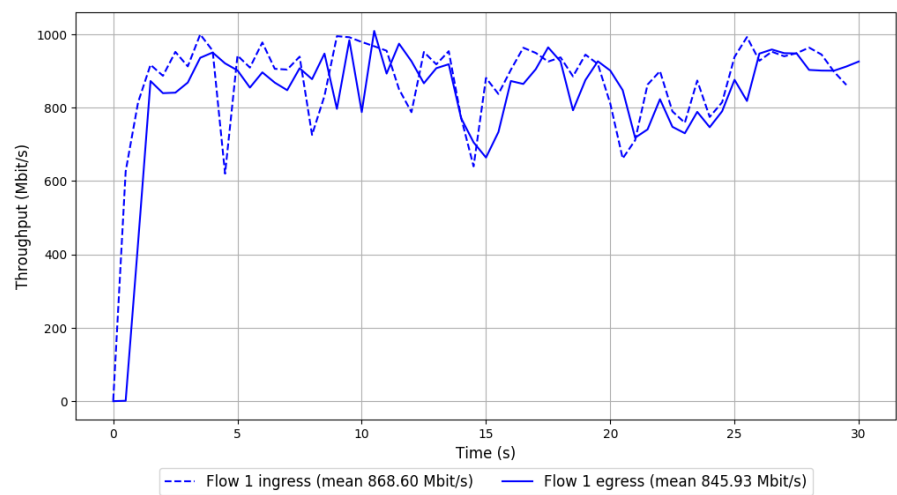
-- Flow 1:

Average throughput: 845.93 Mbit/s

95th percentile per-packet one-way delay: 217.888 ms

Loss rate: 2.61%

Run 8: Report of FillP — Data Link

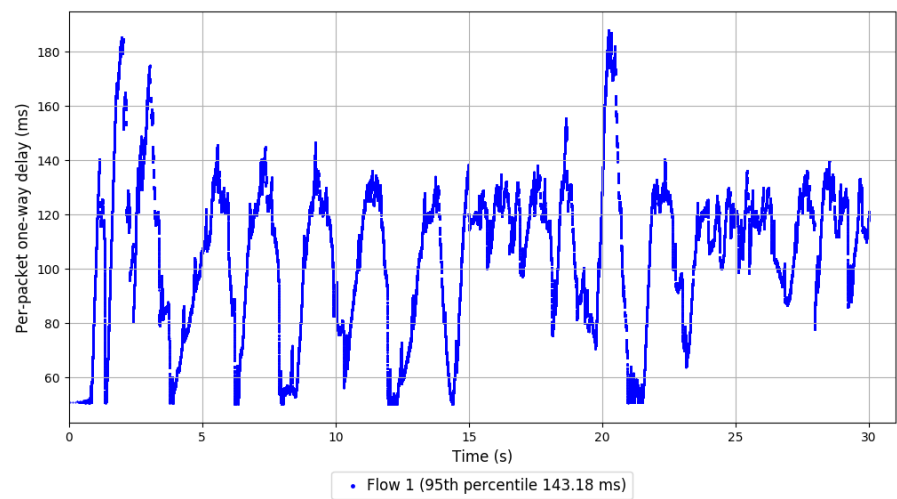
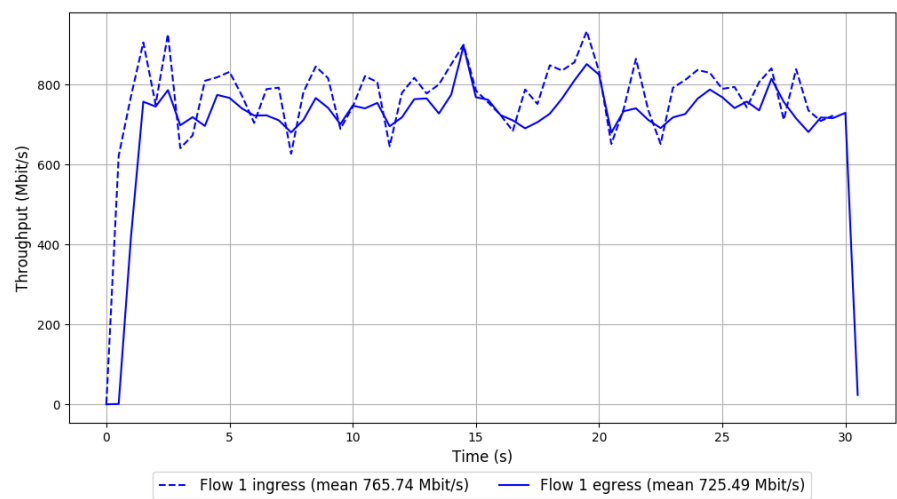


Run 9: Statistics of FillP

Start at: 2018-07-12 01:22:08
End at: 2018-07-12 01:22:38
Local clock offset: -0.051 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 02:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 725.49 Mbit/s
95th percentile per-packet one-way delay: 143.179 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 725.49 Mbit/s
95th percentile per-packet one-way delay: 143.179 ms
Loss rate: 5.25%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-12 01:44:11

End at: 2018-07-12 01:44:41

Local clock offset: -0.083 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-12 02:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 704.19 Mbit/s

95th percentile per-packet one-way delay: 214.183 ms

Loss rate: 5.96%

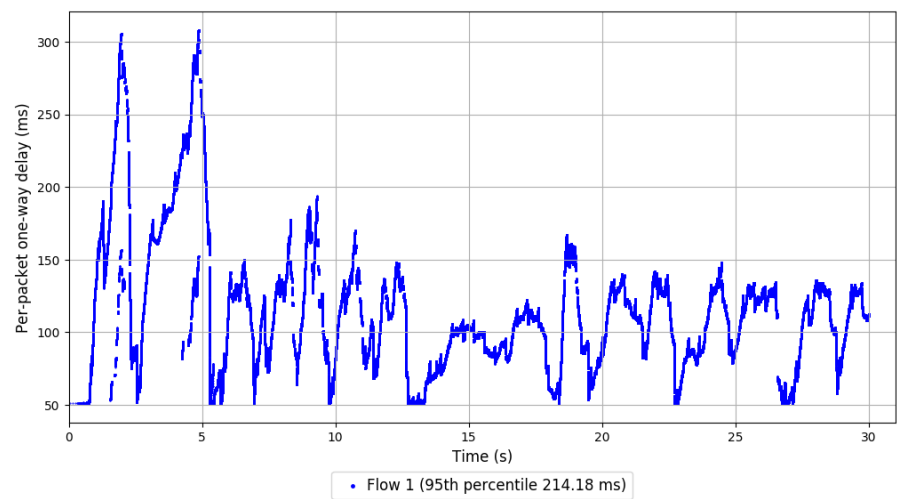
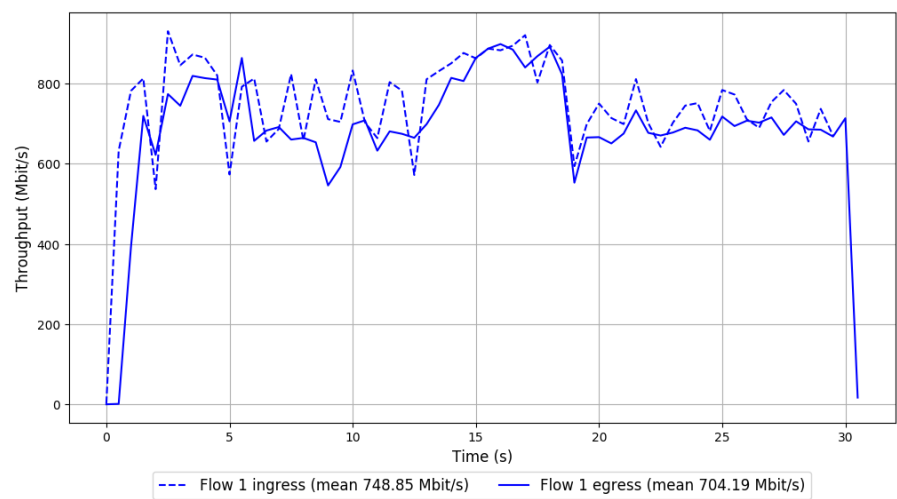
-- Flow 1:

Average throughput: 704.19 Mbit/s

95th percentile per-packet one-way delay: 214.183 ms

Loss rate: 5.96%

Run 10: Report of FillP — Data Link

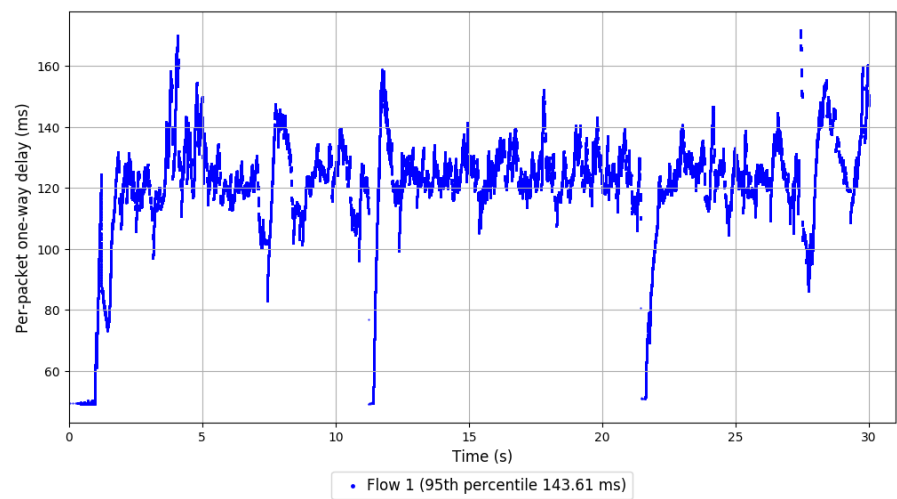
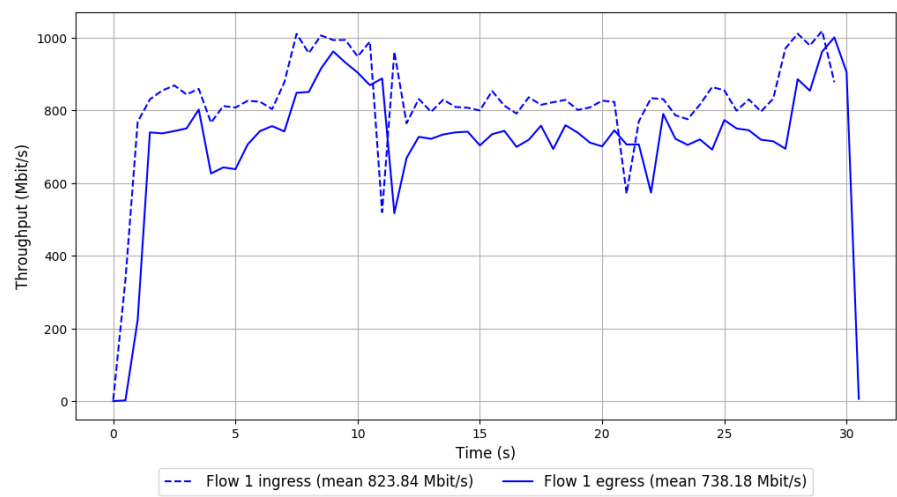


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-11 22:11:22
End at: 2018-07-11 22:11:52
Local clock offset: -0.392 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 02:44:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 738.18 Mbit/s
95th percentile per-packet one-way delay: 143.614 ms
Loss rate: 10.39%
-- Flow 1:
Average throughput: 738.18 Mbit/s
95th percentile per-packet one-way delay: 143.614 ms
Loss rate: 10.39%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-11 22:33:26

End at: 2018-07-11 22:33:56

Local clock offset: -0.069 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-12 02:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 679.23 Mbit/s

95th percentile per-packet one-way delay: 148.423 ms

Loss rate: 14.97%

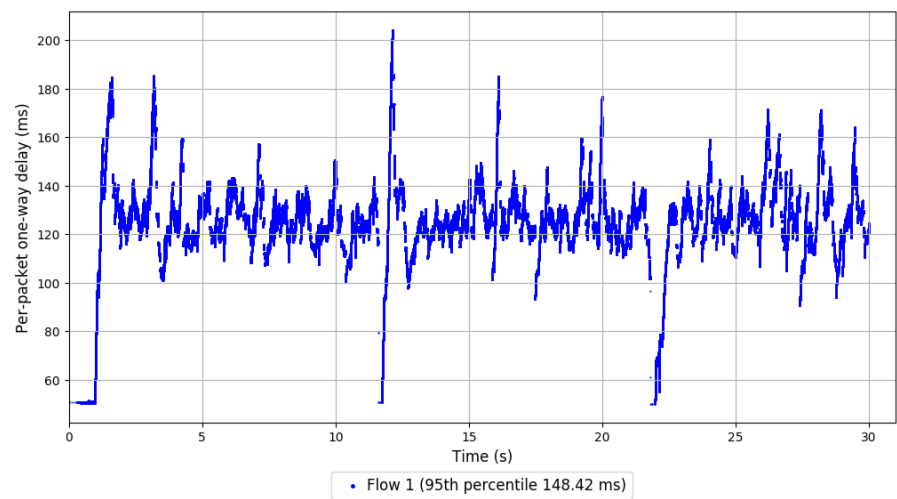
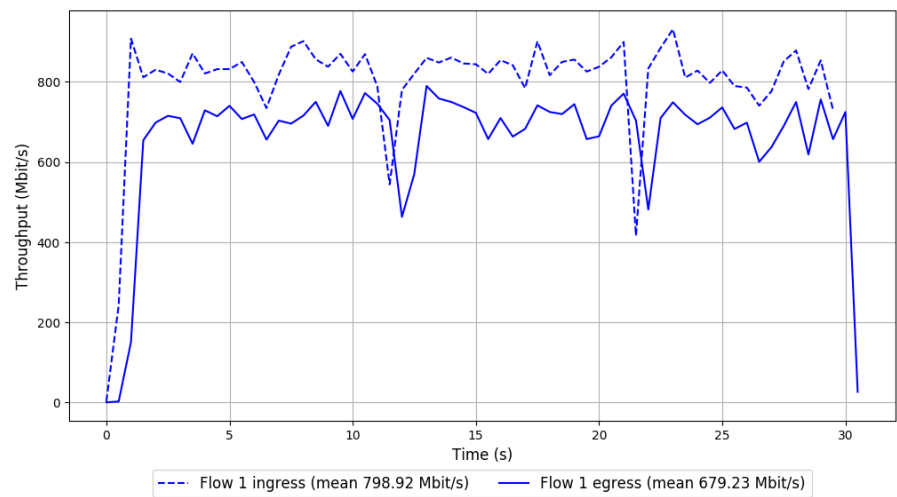
-- Flow 1:

Average throughput: 679.23 Mbit/s

95th percentile per-packet one-way delay: 148.423 ms

Loss rate: 14.97%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-11 22:55:25

End at: 2018-07-11 22:55:55

Local clock offset: -0.045 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 02:46:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 746.13 Mbit/s

95th percentile per-packet one-way delay: 215.639 ms

Loss rate: 9.78%

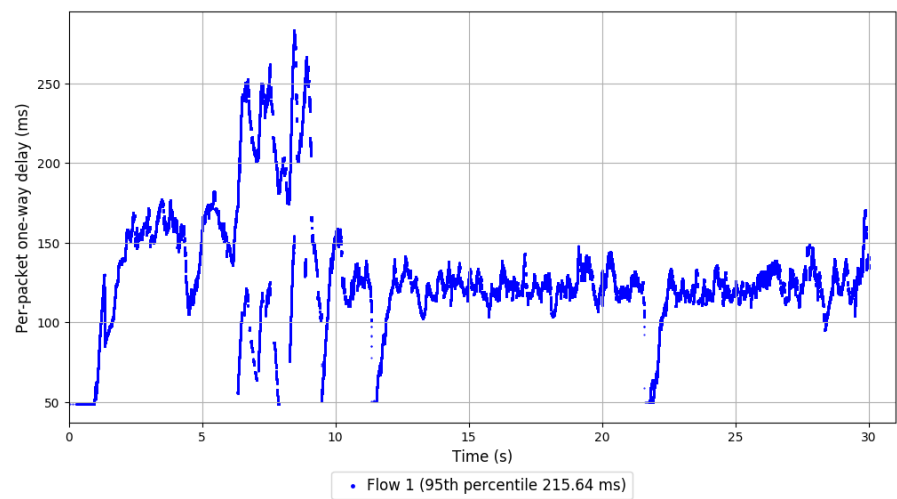
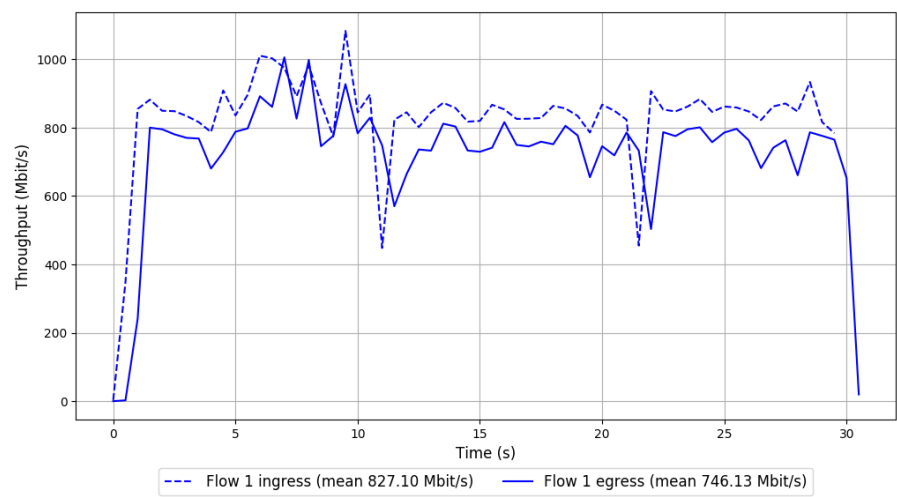
-- Flow 1:

Average throughput: 746.13 Mbit/s

95th percentile per-packet one-way delay: 215.639 ms

Loss rate: 9.78%

Run 3: Report of FillP-Sheep — Data Link

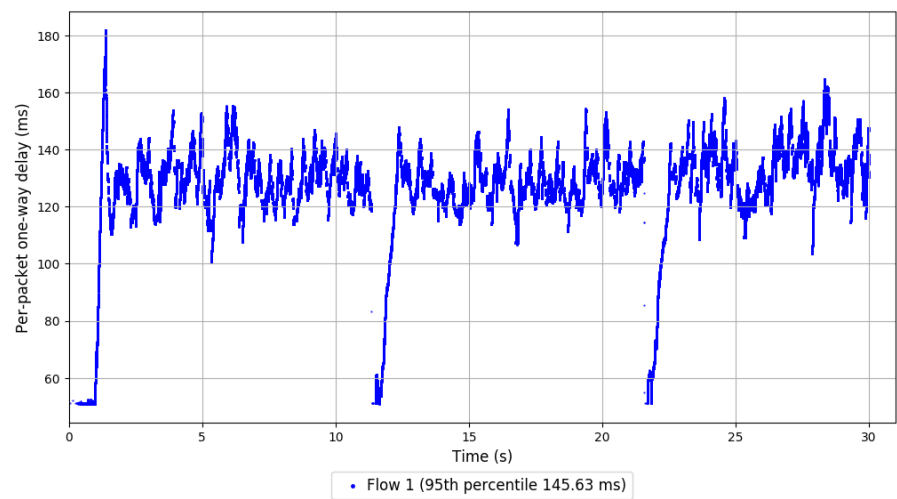
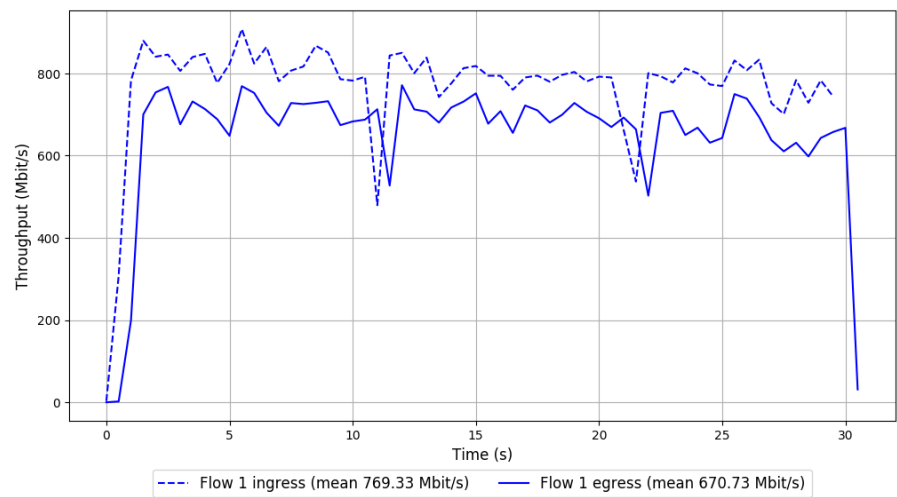


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-11 23:17:56
End at: 2018-07-11 23:18:26
Local clock offset: -0.075 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-12 02:46:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 670.73 Mbit/s
95th percentile per-packet one-way delay: 145.627 ms
Loss rate: 12.82%
-- Flow 1:
Average throughput: 670.73 Mbit/s
95th percentile per-packet one-way delay: 145.627 ms
Loss rate: 12.82%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-11 23:39:55

End at: 2018-07-11 23:40:25

Local clock offset: -0.075 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-12 02:46:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 704.68 Mbit/s

95th percentile per-packet one-way delay: 168.514 ms

Loss rate: 11.32%

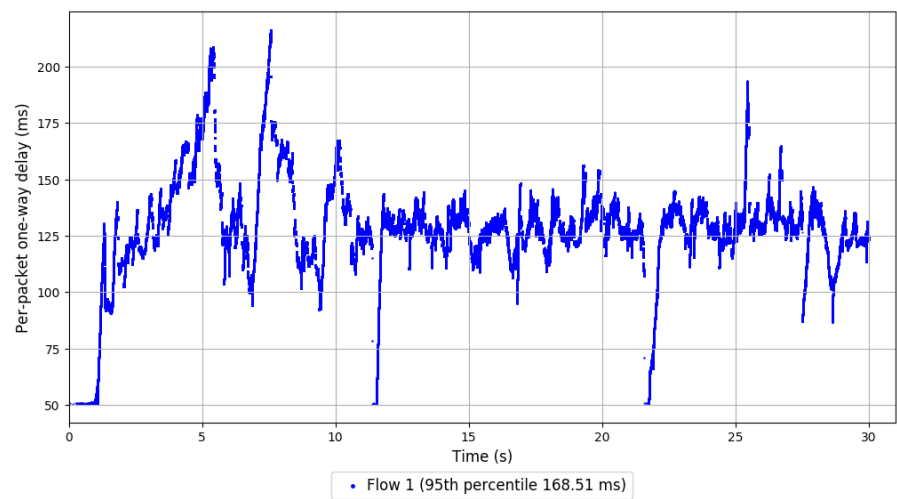
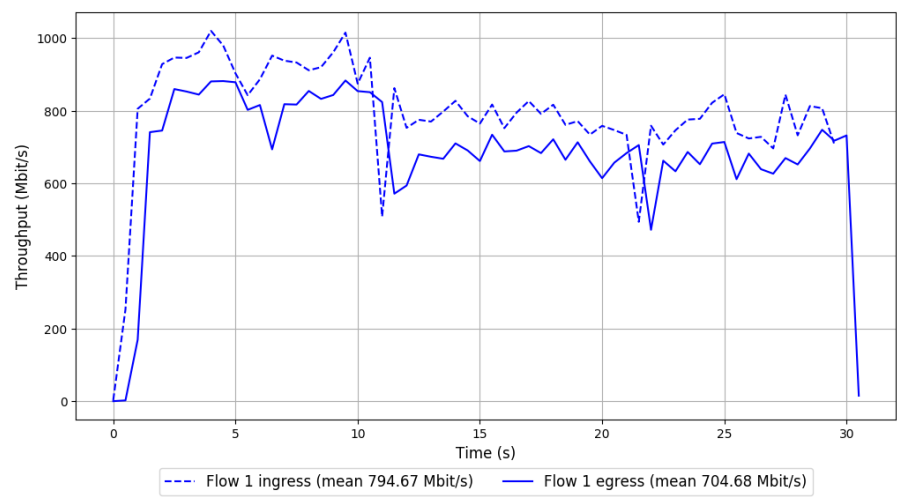
-- Flow 1:

Average throughput: 704.68 Mbit/s

95th percentile per-packet one-way delay: 168.514 ms

Loss rate: 11.32%

Run 5: Report of FillP-Sheep — Data Link

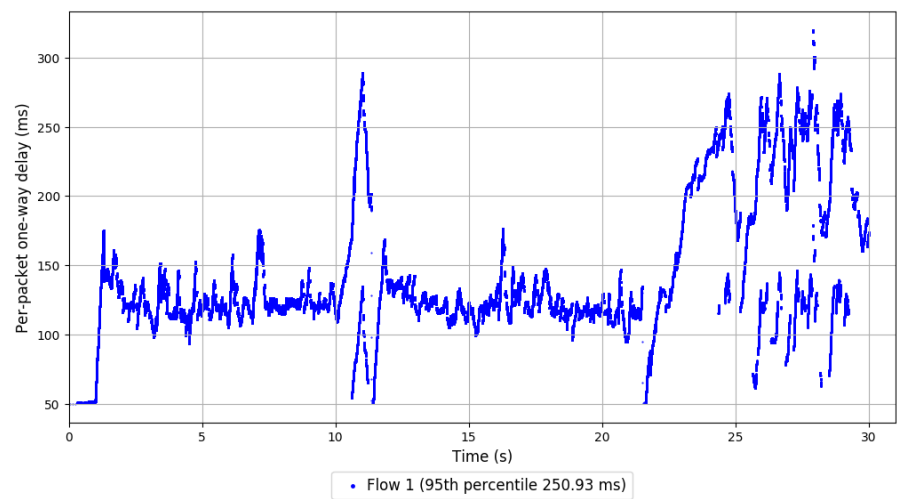
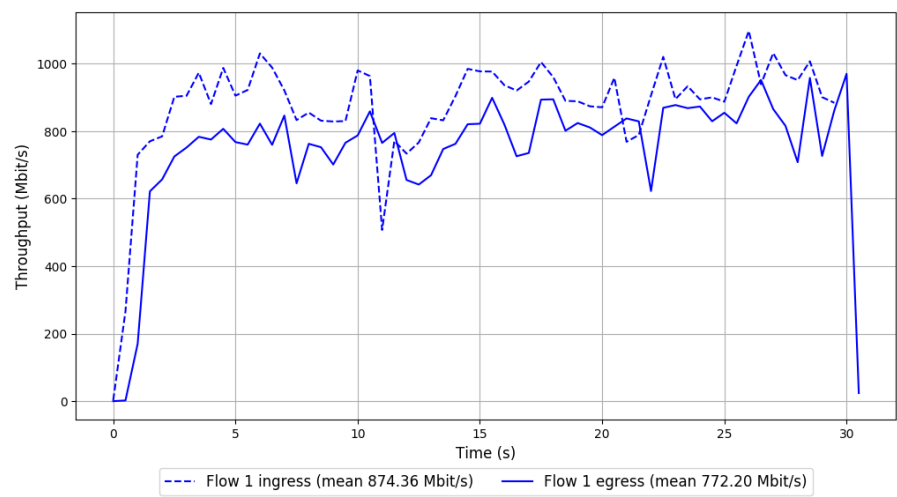


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-12 00:02:03
End at: 2018-07-12 00:02:33
Local clock offset: -0.025 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-12 02:50:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.20 Mbit/s
95th percentile per-packet one-way delay: 250.931 ms
Loss rate: 11.68%
-- Flow 1:
Average throughput: 772.20 Mbit/s
95th percentile per-packet one-way delay: 250.931 ms
Loss rate: 11.68%

Run 6: Report of FillP-Sheep — Data Link

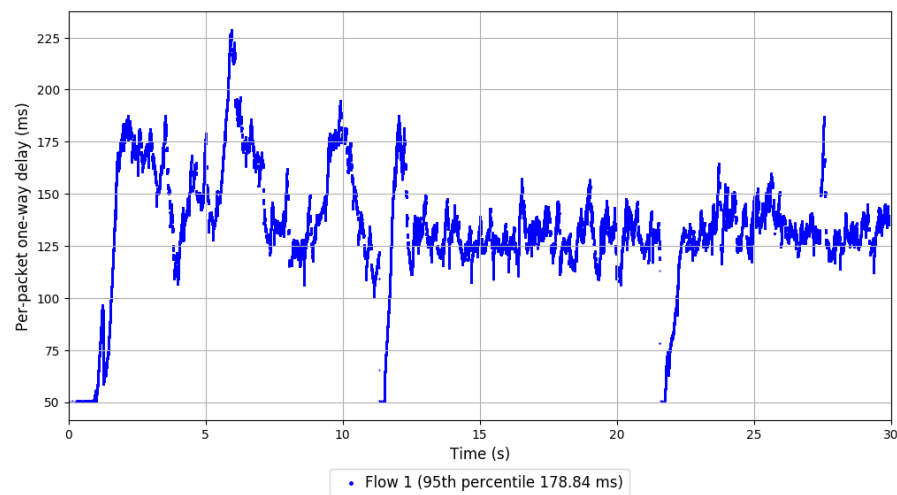
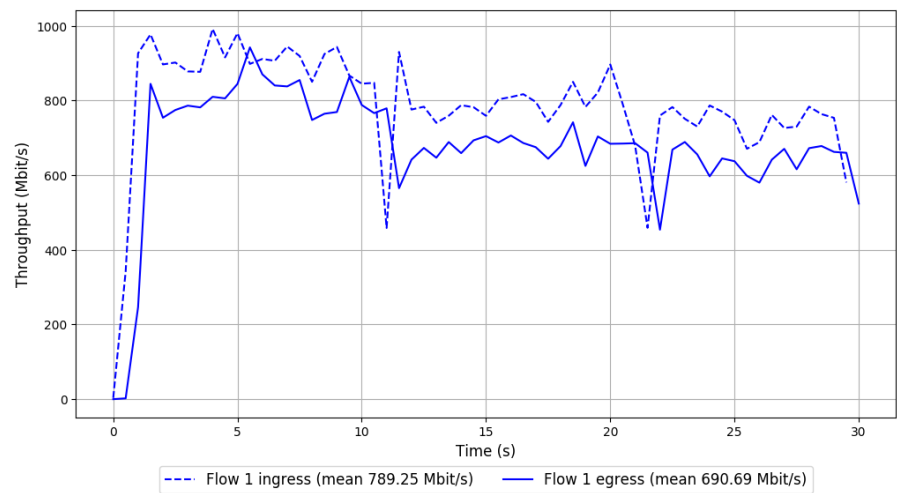


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-12 00:24:22
End at: 2018-07-12 00:24:52
Local clock offset: -0.018 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 02:55:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.69 Mbit/s
95th percentile per-packet one-way delay: 178.840 ms
Loss rate: 12.49%
-- Flow 1:
Average throughput: 690.69 Mbit/s
95th percentile per-packet one-way delay: 178.840 ms
Loss rate: 12.49%

Run 7: Report of FillP-Sheep — Data Link

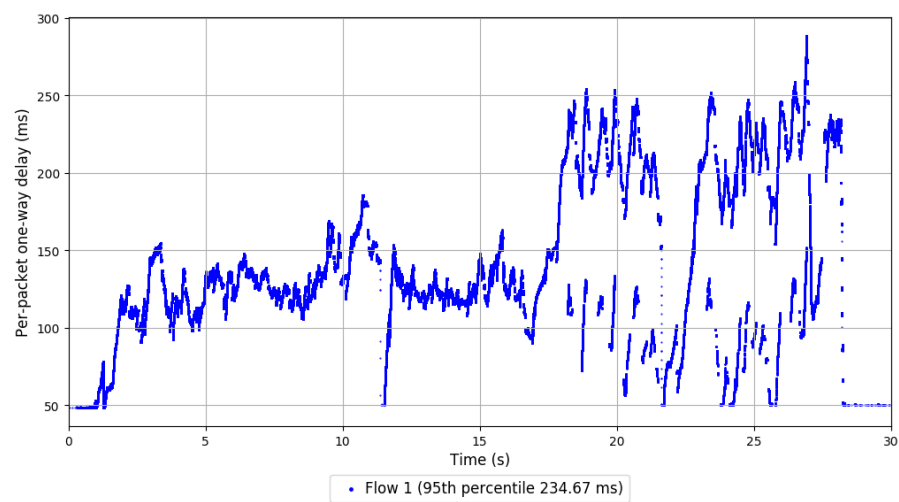
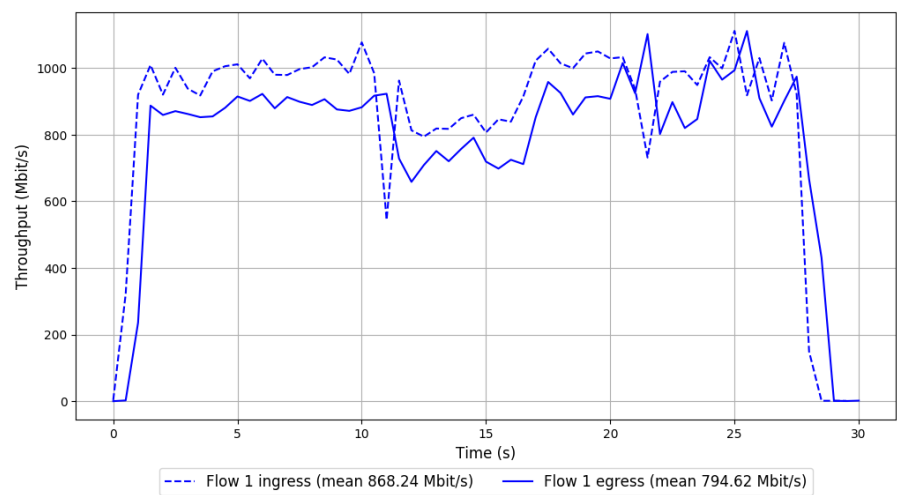


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-12 00:46:31
End at: 2018-07-12 00:47:01
Local clock offset: 0.297 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 02:59:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.62 Mbit/s
95th percentile per-packet one-way delay: 234.667 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 794.62 Mbit/s
95th percentile per-packet one-way delay: 234.667 ms
Loss rate: 8.47%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-12 01:08:33

End at: 2018-07-12 01:09:03

Local clock offset: 0.335 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 03:02:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 900.36 Mbit/s

95th percentile per-packet one-way delay: 213.565 ms

Loss rate: 4.69%

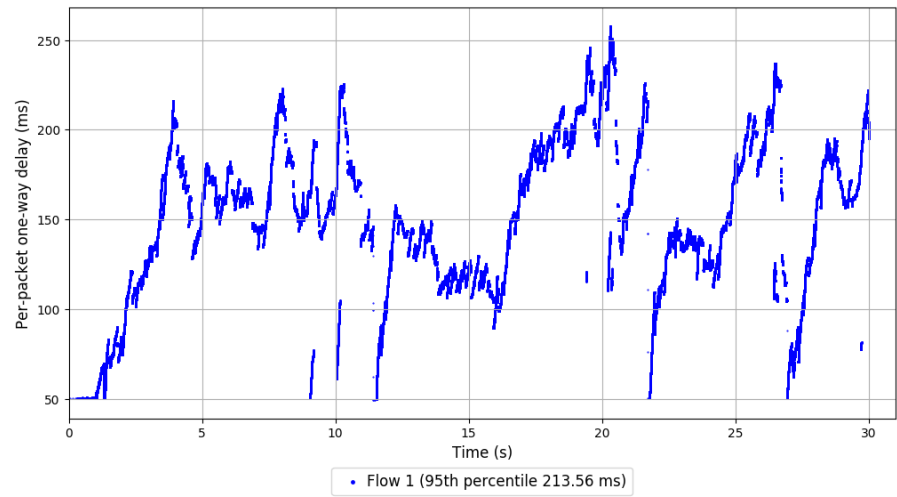
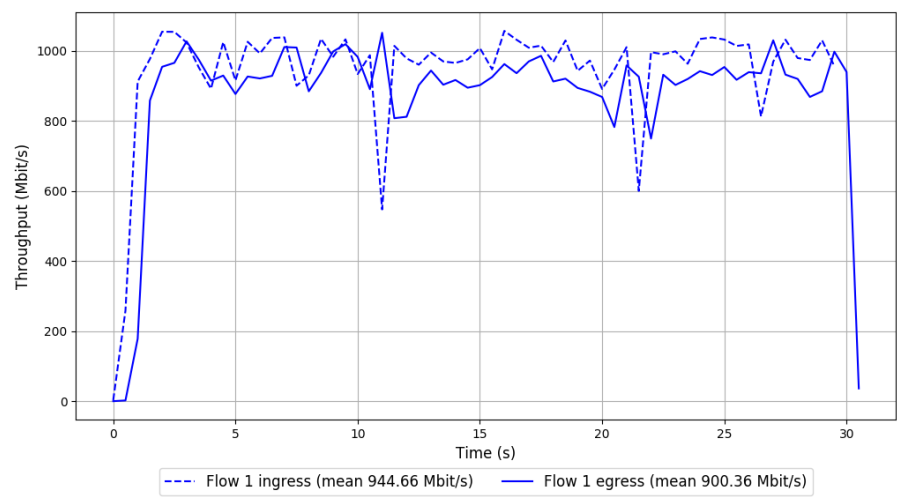
-- Flow 1:

Average throughput: 900.36 Mbit/s

95th percentile per-packet one-way delay: 213.565 ms

Loss rate: 4.69%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-12 01:30:53

End at: 2018-07-12 01:31:23

Local clock offset: -0.107 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-12 03:02:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 669.54 Mbit/s

95th percentile per-packet one-way delay: 221.789 ms

Loss rate: 6.86%

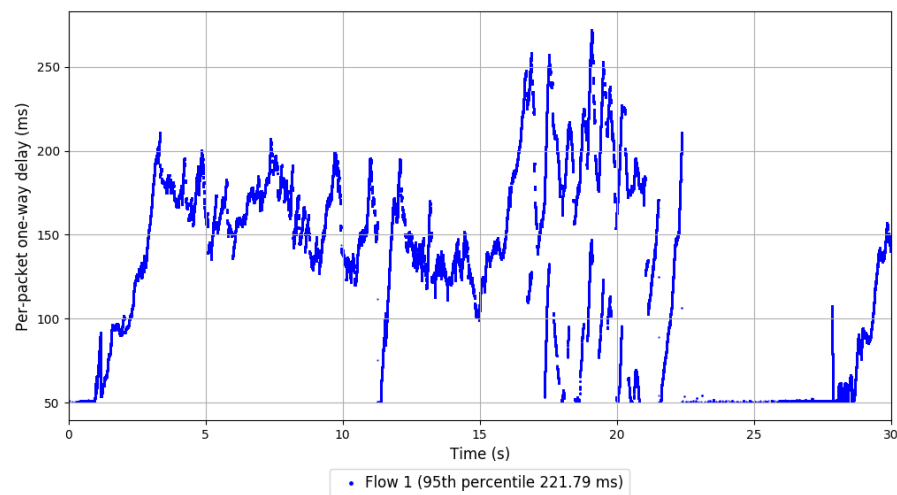
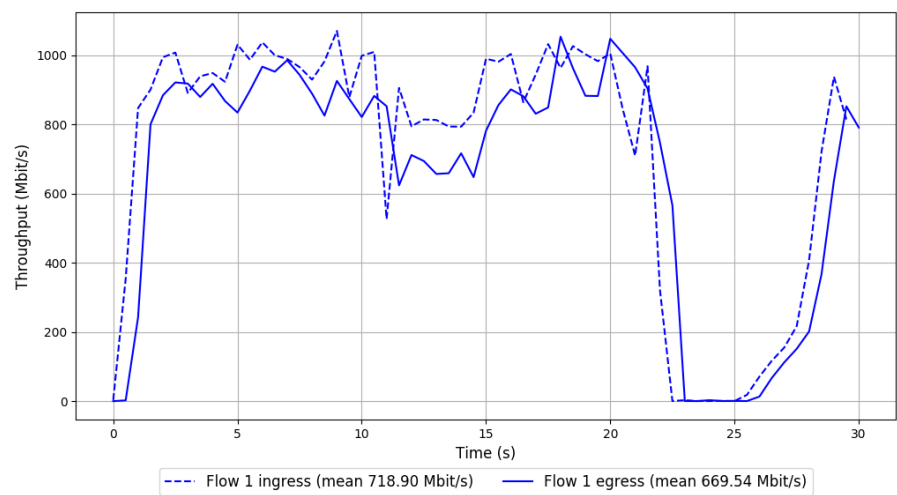
-- Flow 1:

Average throughput: 669.54 Mbit/s

95th percentile per-packet one-way delay: 221.789 ms

Loss rate: 6.86%

Run 10: Report of FillP-Sheep — Data Link

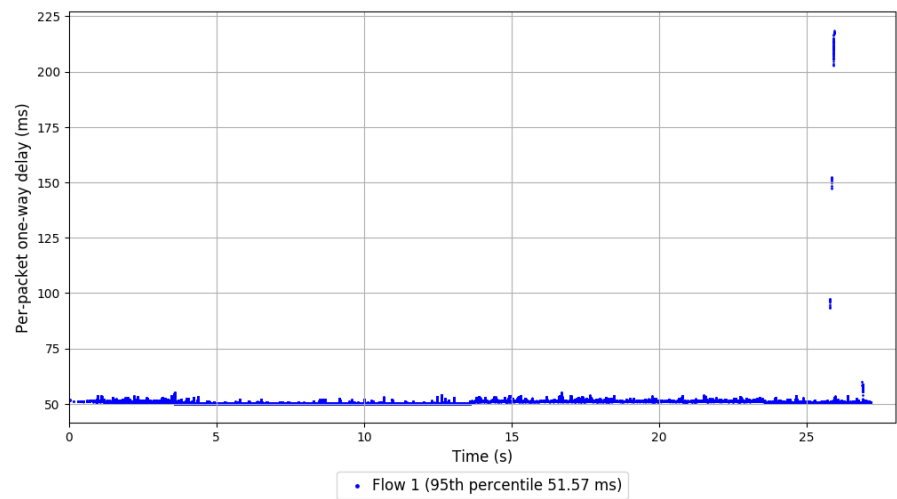
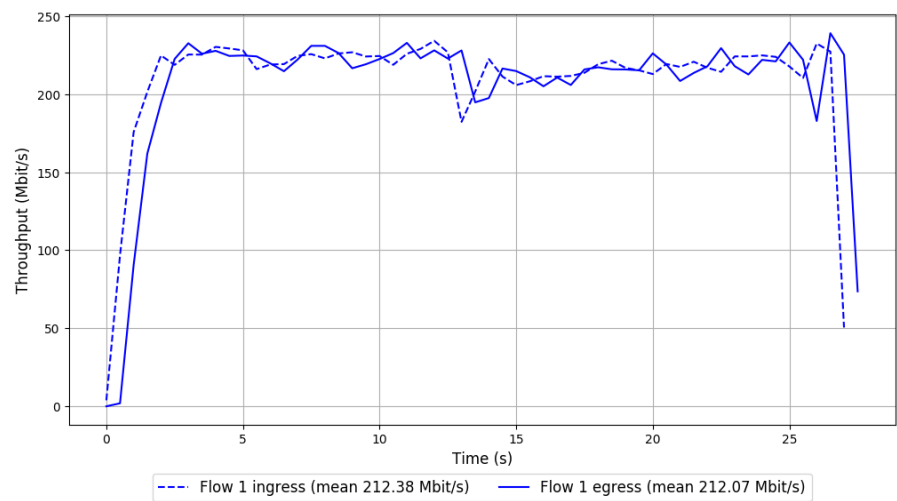


Run 1: Statistics of Indigo

Start at: 2018-07-11 22:18:17
End at: 2018-07-11 22:18:47
Local clock offset: -0.396 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 03:02:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.07 Mbit/s
95th percentile per-packet one-way delay: 51.573 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 212.07 Mbit/s
95th percentile per-packet one-way delay: 51.573 ms
Loss rate: 0.15%

Run 1: Report of Indigo — Data Link

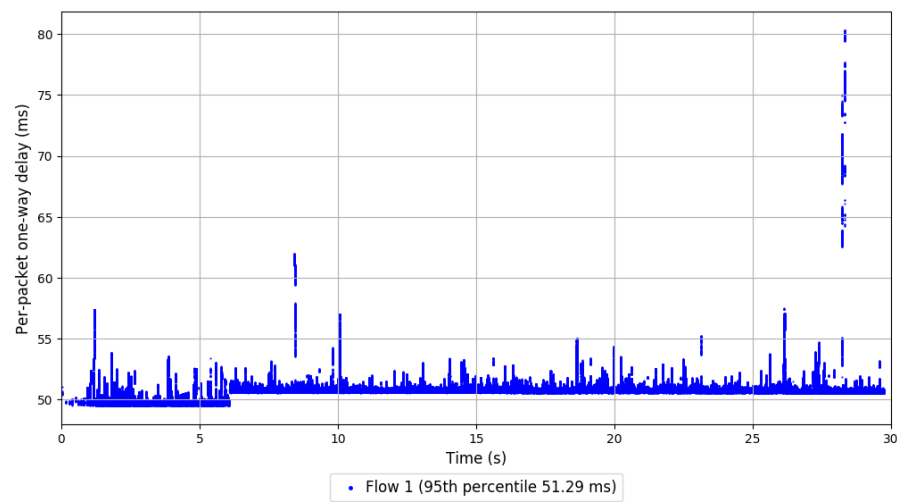
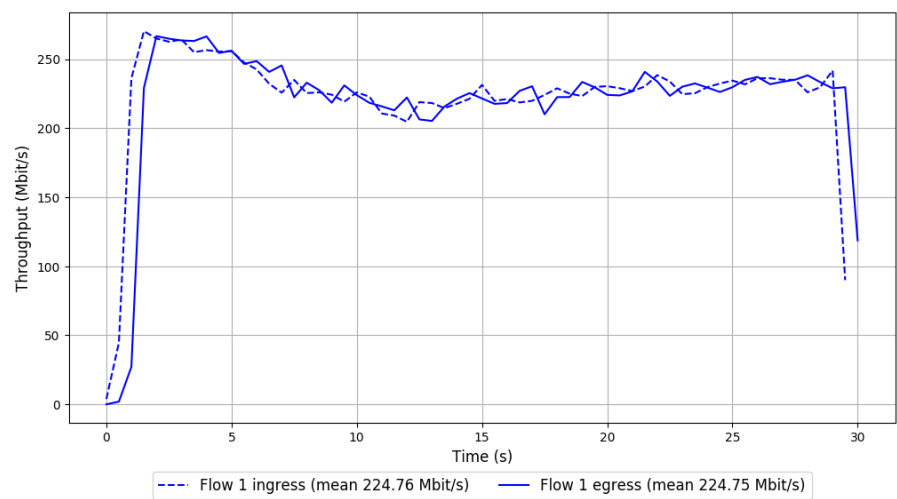


Run 2: Statistics of Indigo

Start at: 2018-07-11 22:40:27
End at: 2018-07-11 22:40:57
Local clock offset: -0.066 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 03:02:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.75 Mbit/s
95th percentile per-packet one-way delay: 51.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.75 Mbit/s
95th percentile per-packet one-way delay: 51.292 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-11 23:02:34

End at: 2018-07-11 23:03:04

Local clock offset: -0.066 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-12 03:02:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.00 Mbit/s

95th percentile per-packet one-way delay: 51.309 ms

Loss rate: 0.00%

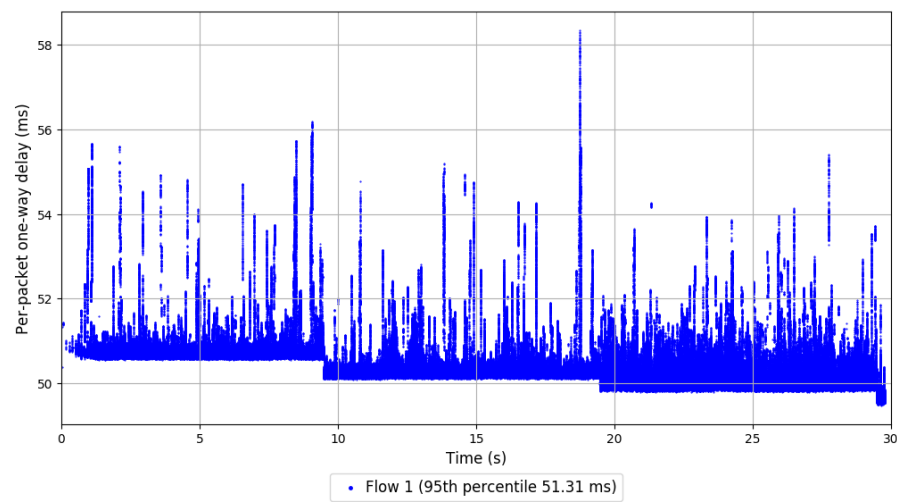
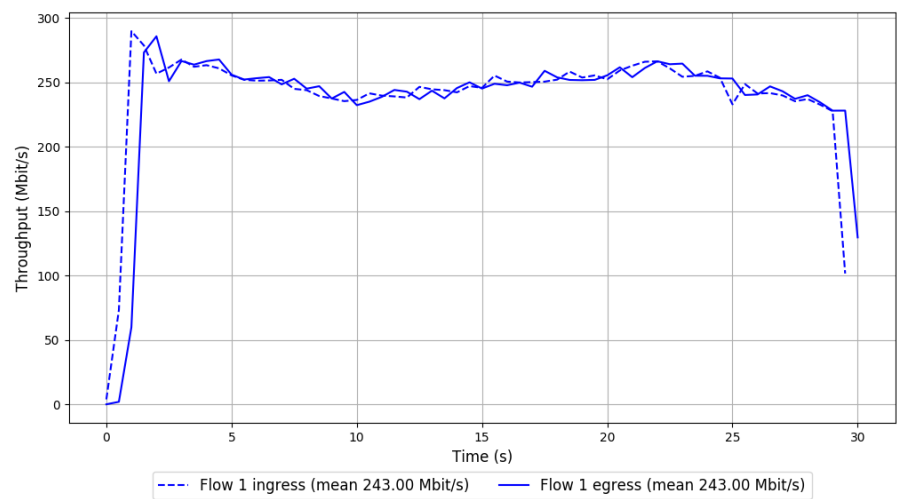
-- Flow 1:

Average throughput: 243.00 Mbit/s

95th percentile per-packet one-way delay: 51.309 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-11 23:24:42

End at: 2018-07-11 23:25:12

Local clock offset: -0.053 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-12 03:02:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.26 Mbit/s

95th percentile per-packet one-way delay: 51.648 ms

Loss rate: 0.00%

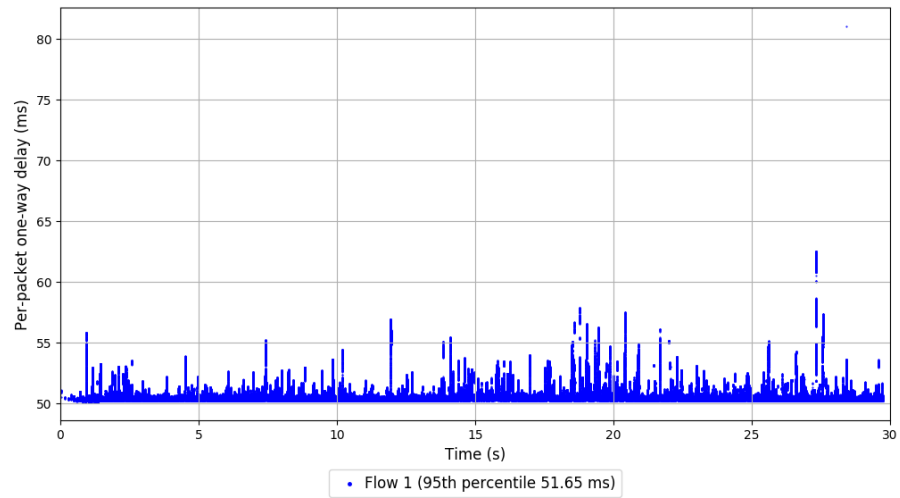
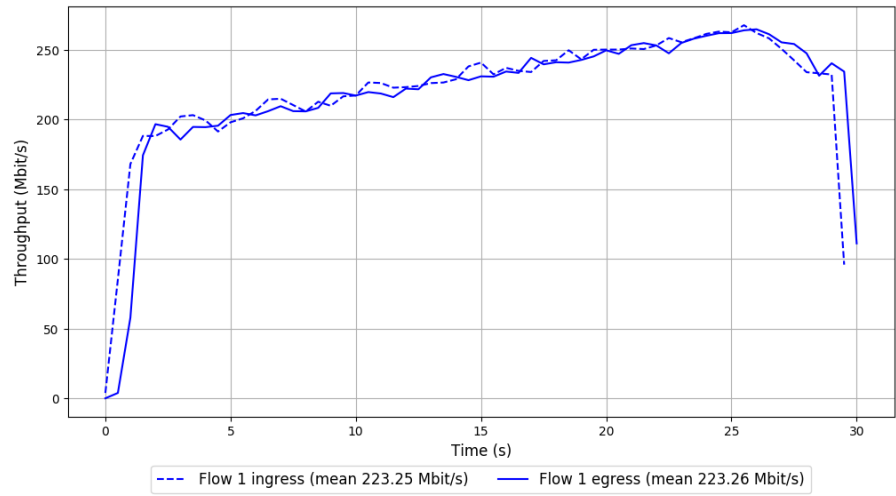
-- Flow 1:

Average throughput: 223.26 Mbit/s

95th percentile per-packet one-way delay: 51.648 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-11 23:46:53

End at: 2018-07-11 23:47:23

Local clock offset: -0.053 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-12 03:02:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.36 Mbit/s

95th percentile per-packet one-way delay: 50.991 ms

Loss rate: 0.00%

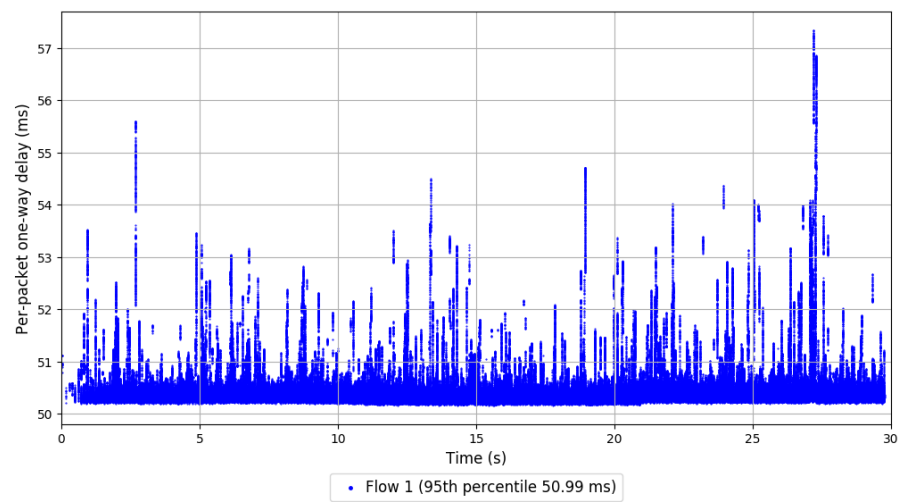
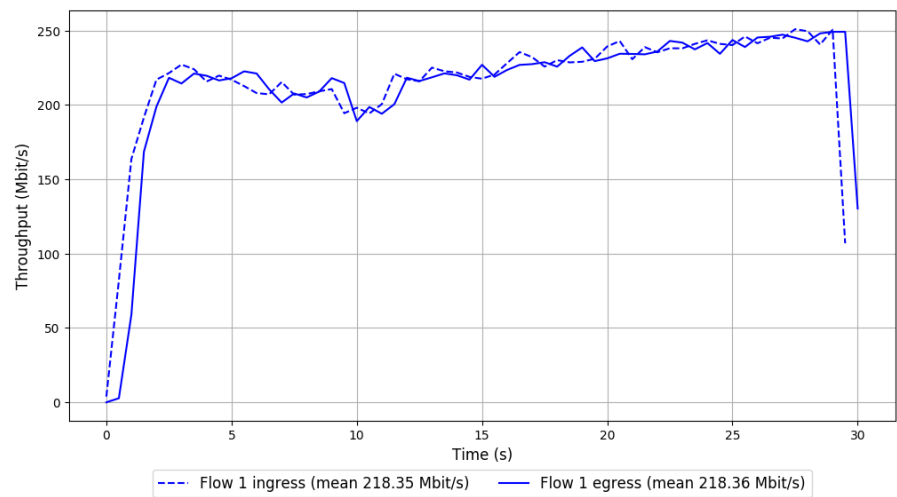
-- Flow 1:

Average throughput: 218.36 Mbit/s

95th percentile per-packet one-way delay: 50.991 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

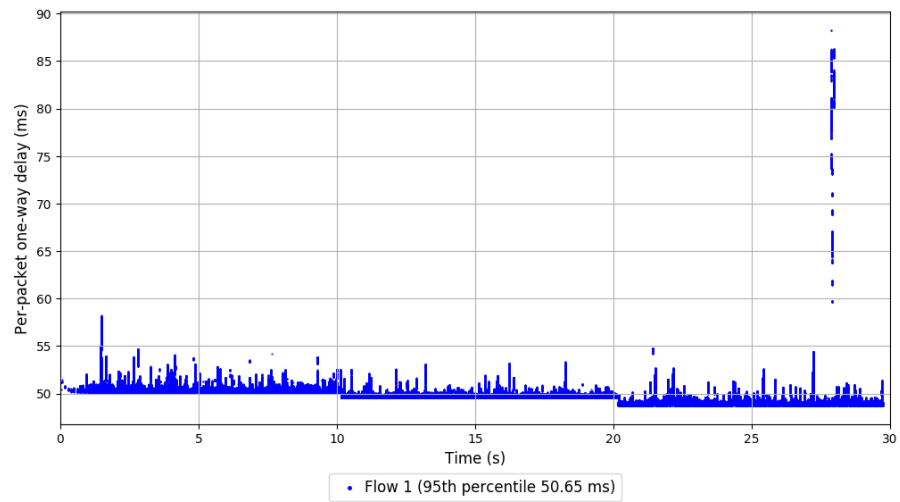
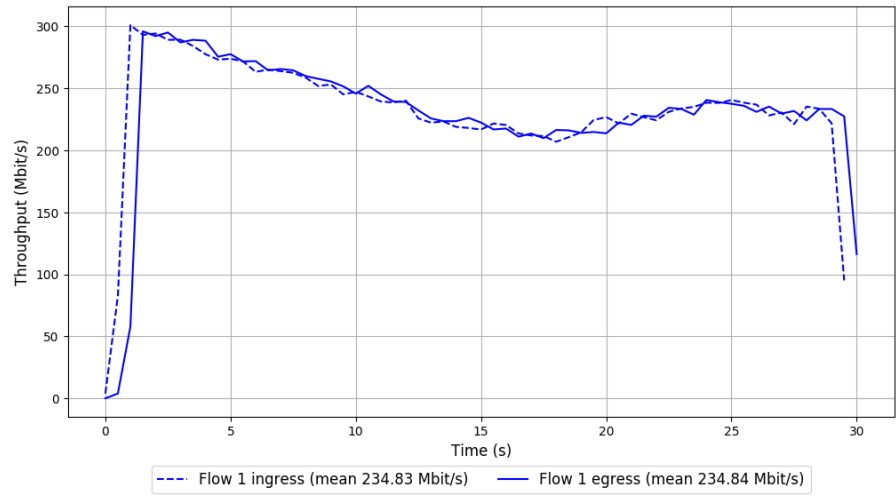


Run 6: Statistics of Indigo

Start at: 2018-07-12 00:09:03
End at: 2018-07-12 00:09:33
Local clock offset: -0.057 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.84 Mbit/s
95th percentile per-packet one-way delay: 50.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.84 Mbit/s
95th percentile per-packet one-way delay: 50.651 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

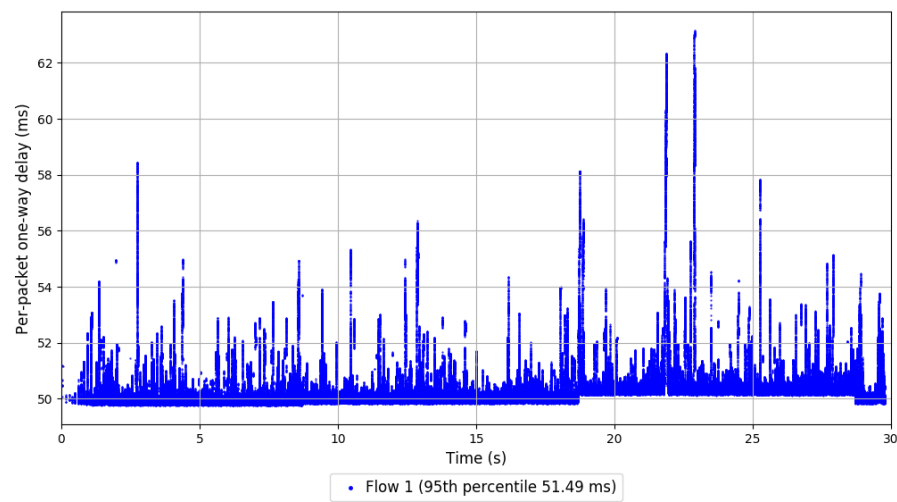
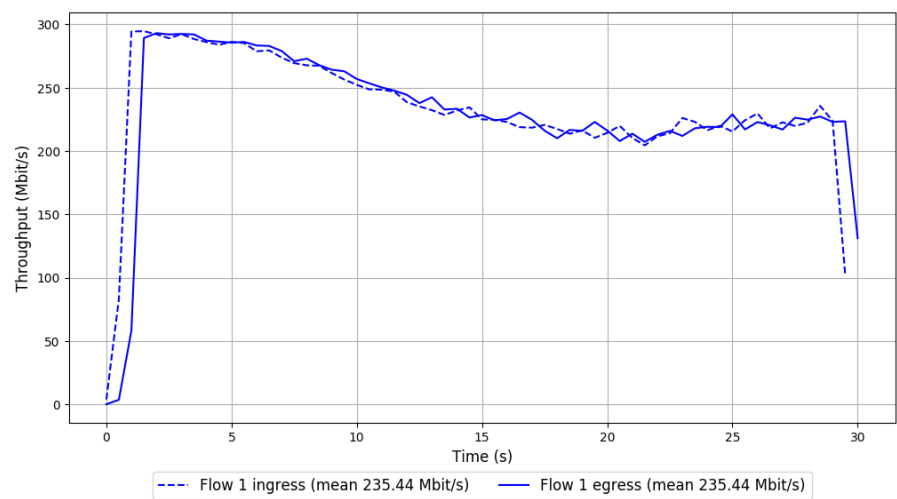


Run 7: Statistics of Indigo

Start at: 2018-07-12 00:31:15
End at: 2018-07-12 00:31:45
Local clock offset: 0.319 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.44 Mbit/s
95th percentile per-packet one-way delay: 51.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.44 Mbit/s
95th percentile per-packet one-way delay: 51.486 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

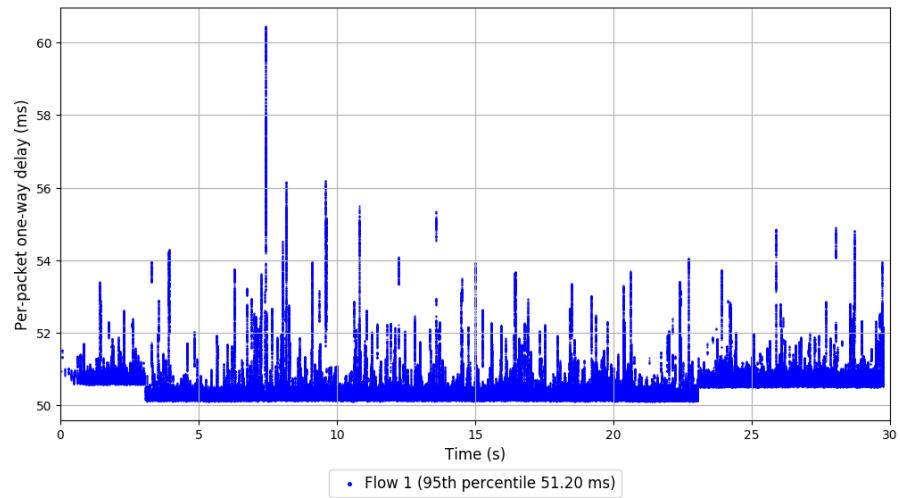
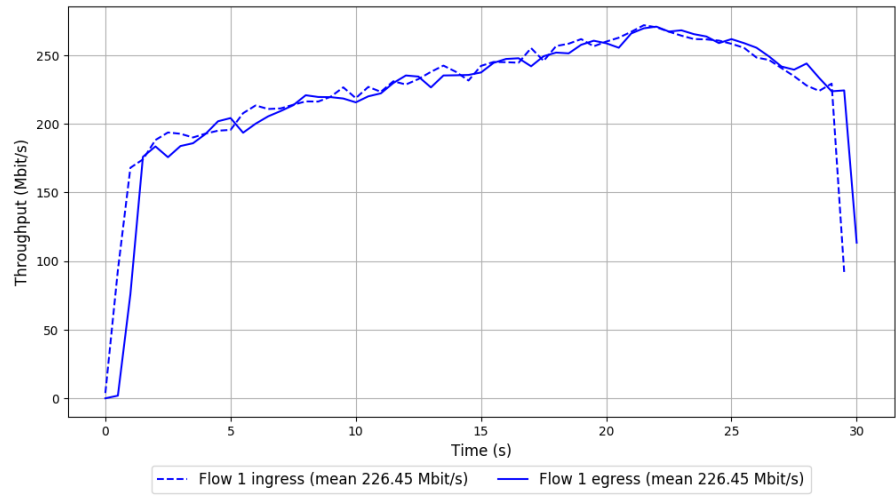


Run 8: Statistics of Indigo

Start at: 2018-07-12 00:53:20
End at: 2018-07-12 00:53:50
Local clock offset: -0.014 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.45 Mbit/s
95th percentile per-packet one-way delay: 51.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.45 Mbit/s
95th percentile per-packet one-way delay: 51.195 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

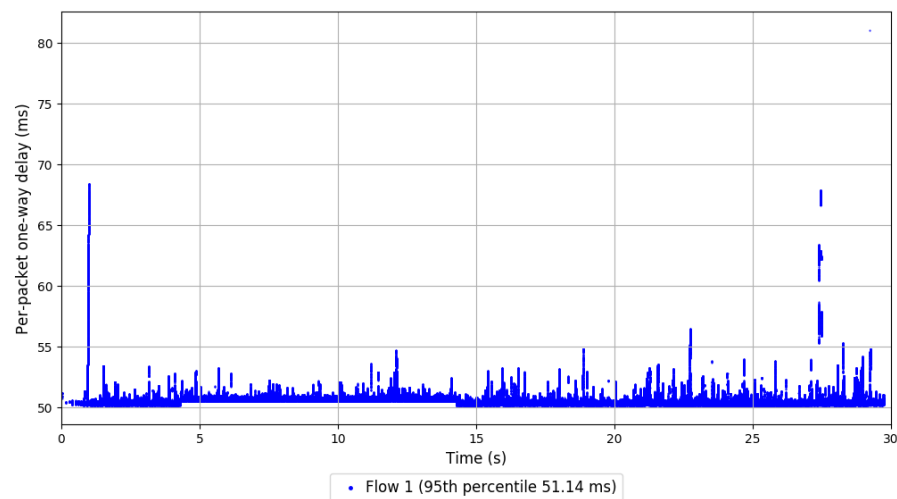
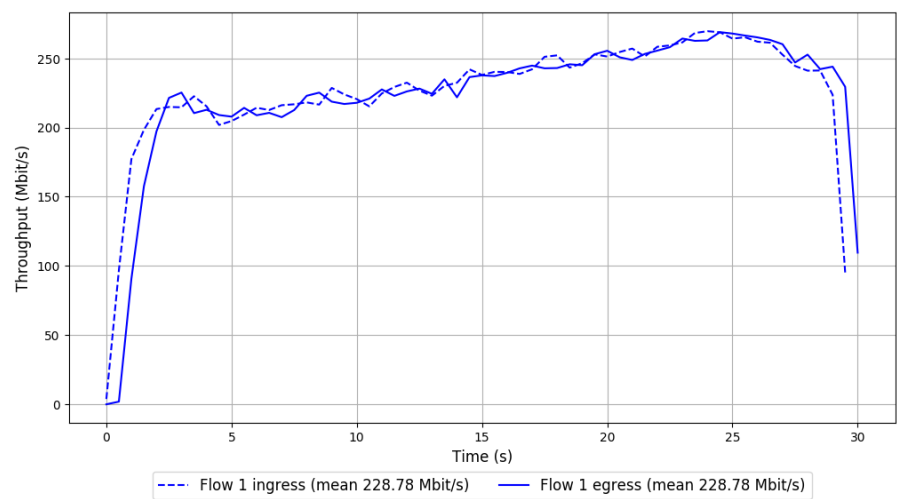


Run 9: Statistics of Indigo

Start at: 2018-07-12 01:15:39
End at: 2018-07-12 01:16:09
Local clock offset: -0.053 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.78 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.78 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-12 01:37:43

End at: 2018-07-12 01:38:14

Local clock offset: -0.072 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-12 03:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.53 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.00%

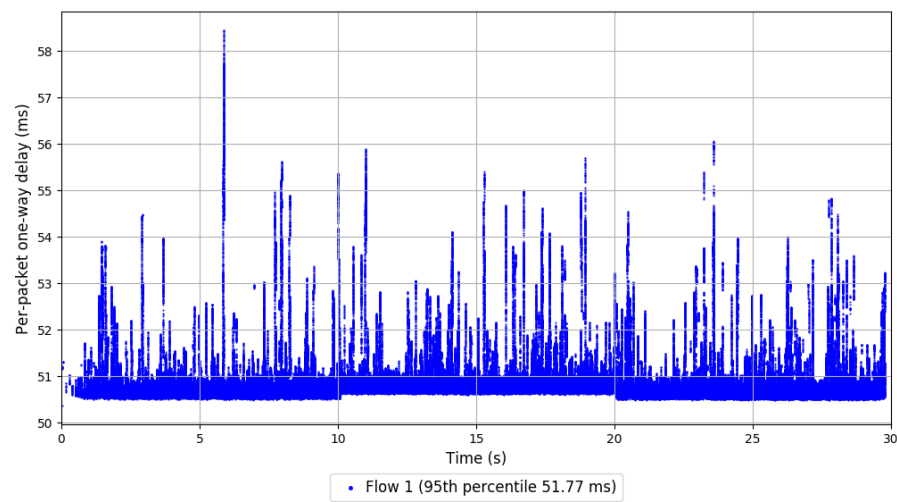
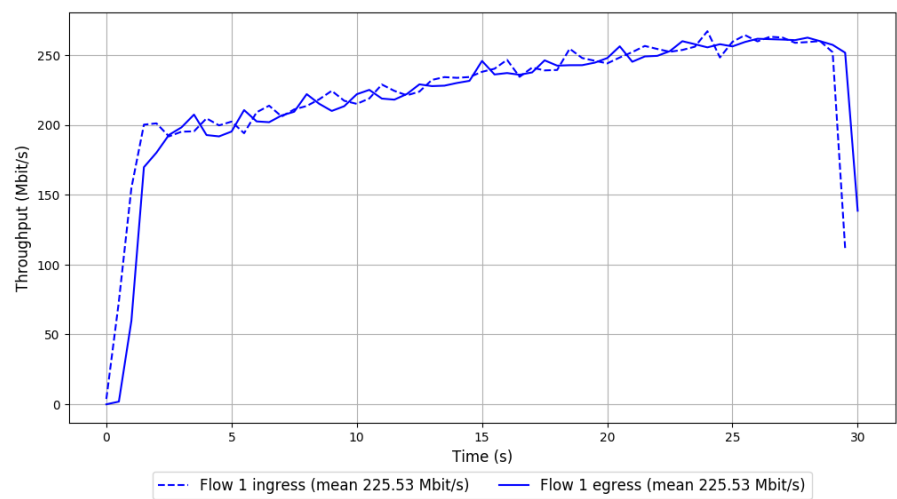
-- Flow 1:

Average throughput: 225.53 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

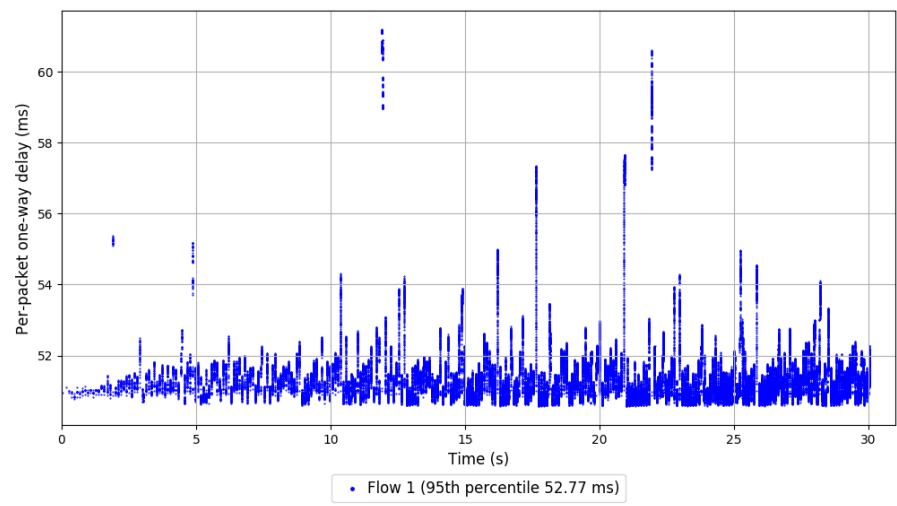
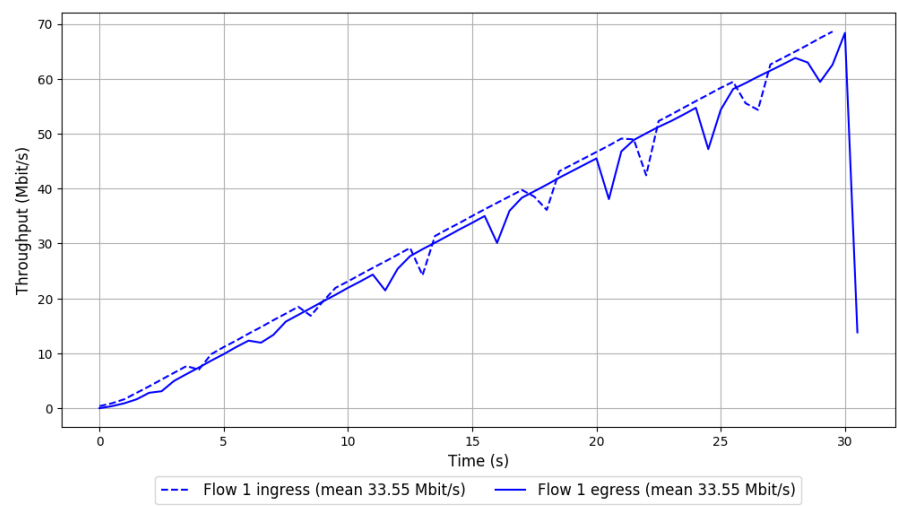


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-11 22:08:51
End at: 2018-07-11 22:09:21
Local clock offset: -0.056 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-12 03:02:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 52.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 52.770 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-11 22:30:57

End at: 2018-07-11 22:31:27

Local clock offset: -0.073 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-12 03:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 52.101 ms

Loss rate: 0.00%

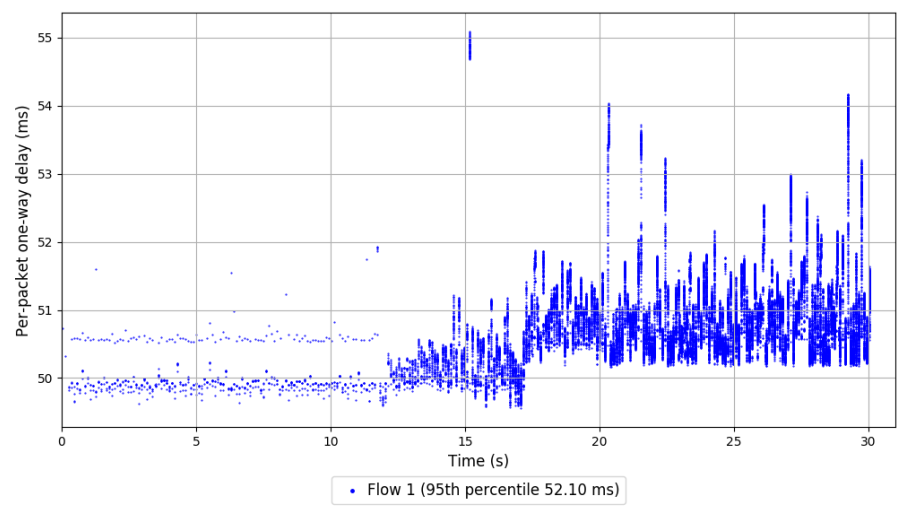
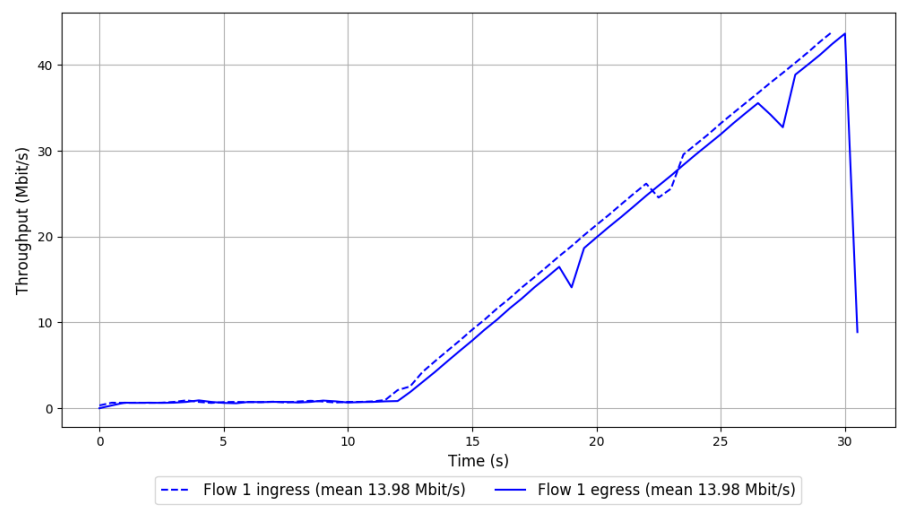
-- Flow 1:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 52.101 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

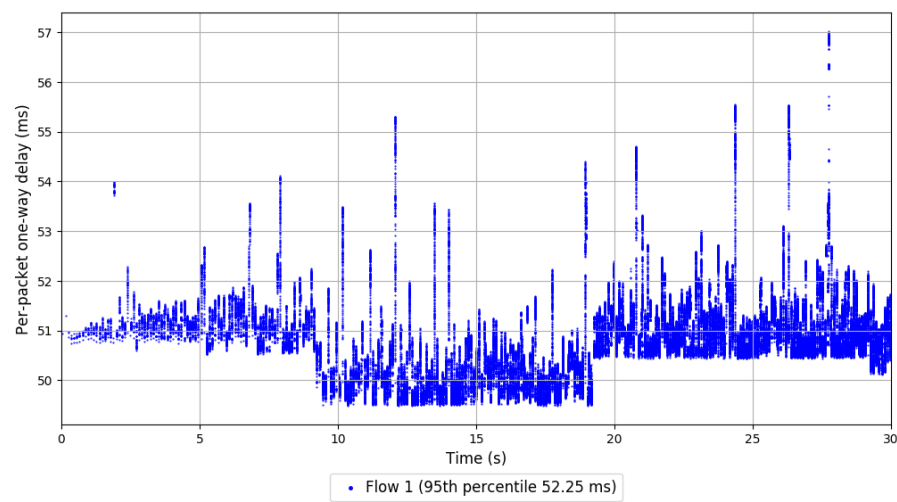
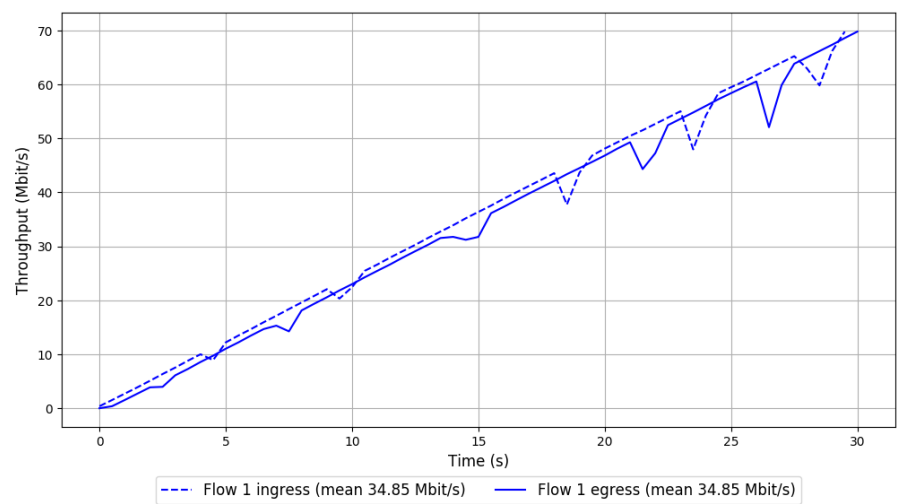


Run 3: Statistics of LEDBAT

Start at: 2018-07-11 22:52:55
End at: 2018-07-11 22:53:25
Local clock offset: -0.04 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 52.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 52.254 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-11 23:15:26

End at: 2018-07-11 23:15:56

Local clock offset: -0.033 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-12 03:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 52.228 ms

Loss rate: 0.00%

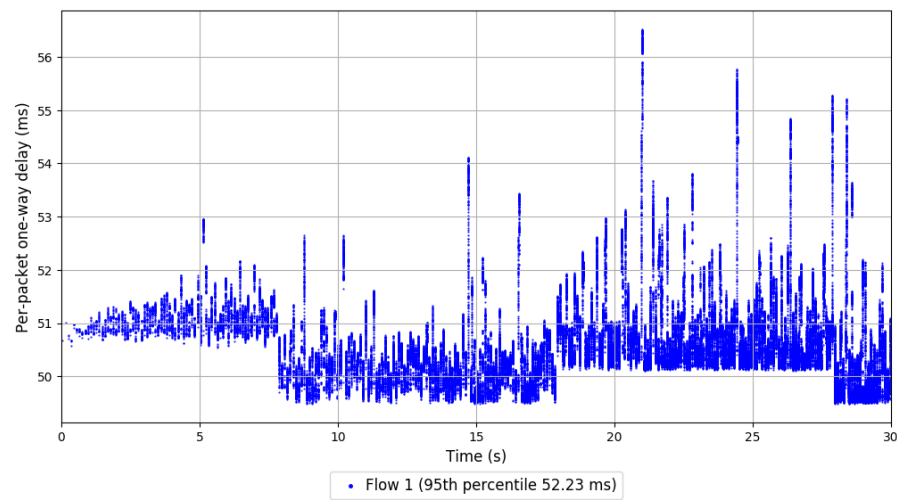
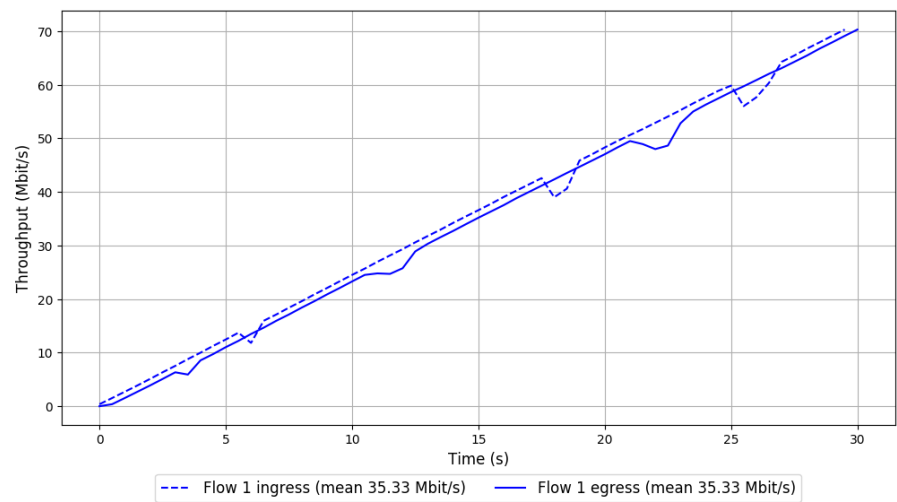
-- Flow 1:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 52.228 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

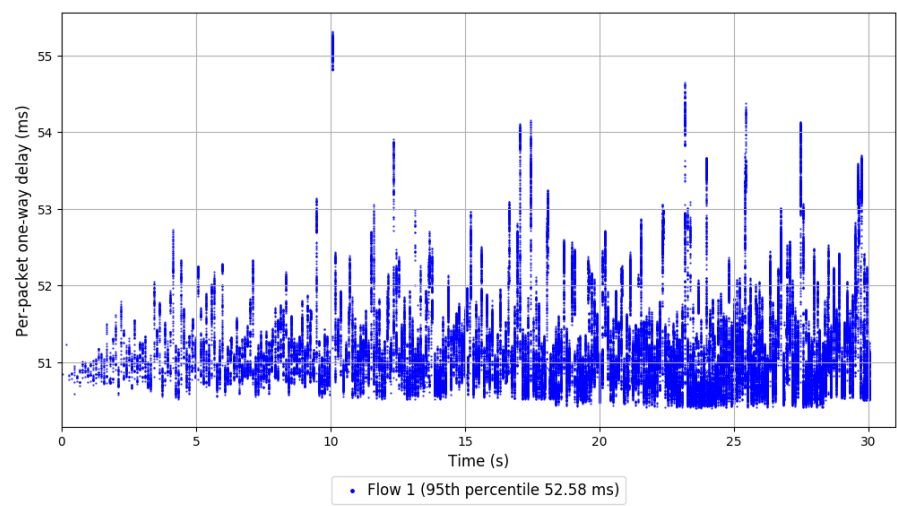
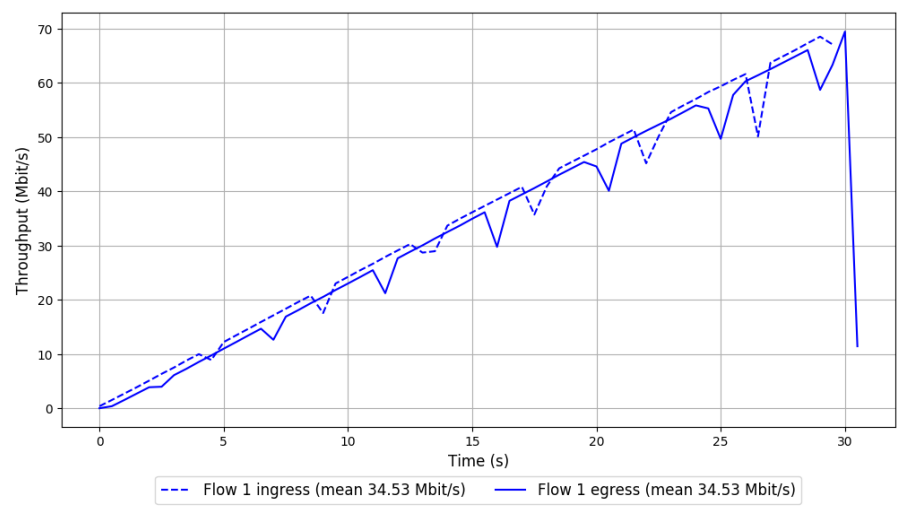


Run 5: Statistics of LEDBAT

Start at: 2018-07-11 23:37:25
End at: 2018-07-11 23:37:55
Local clock offset: -0.02 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 52.583 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

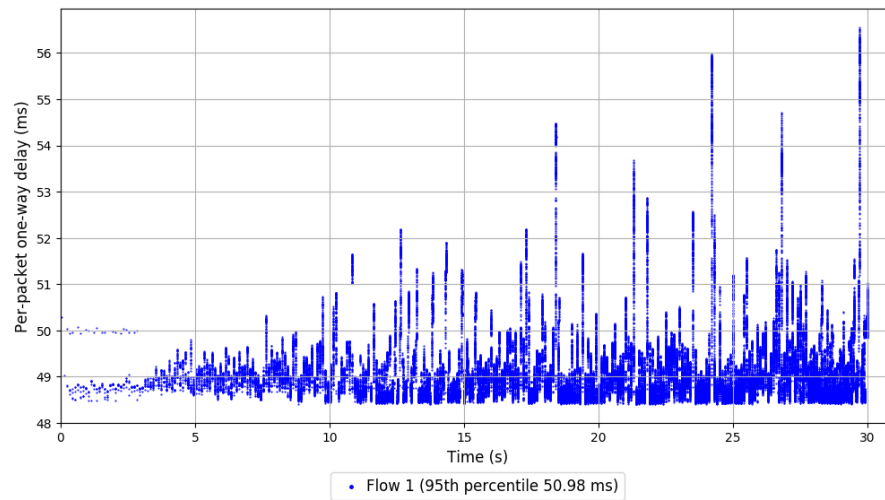
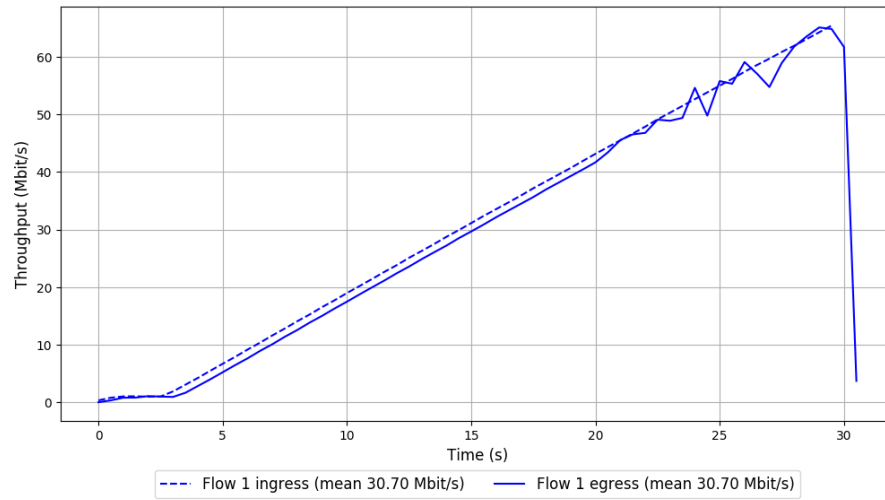


Run 6: Statistics of LEDBAT

Start at: 2018-07-11 23:59:34
End at: 2018-07-12 00:00:04
Local clock offset: 0.291 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 50.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 50.980 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-12 00:21:51

End at: 2018-07-12 00:22:21

Local clock offset: 0.023 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 03:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 52.097 ms

Loss rate: 0.00%

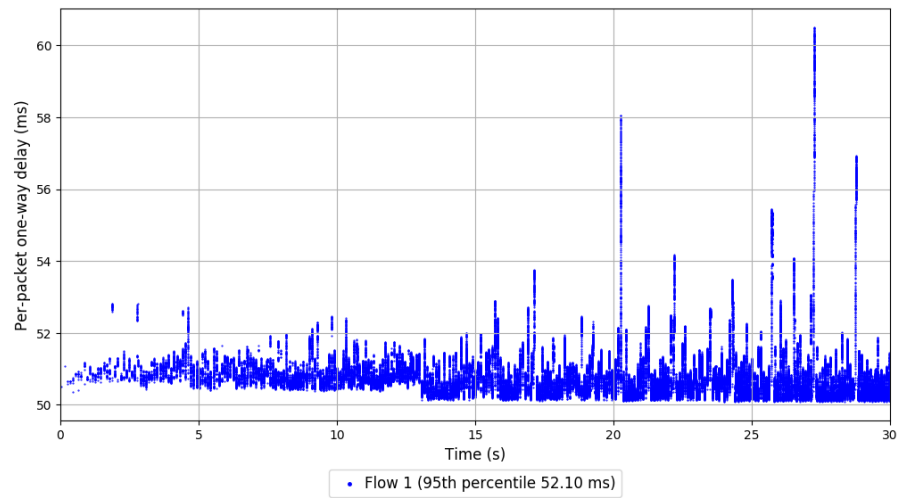
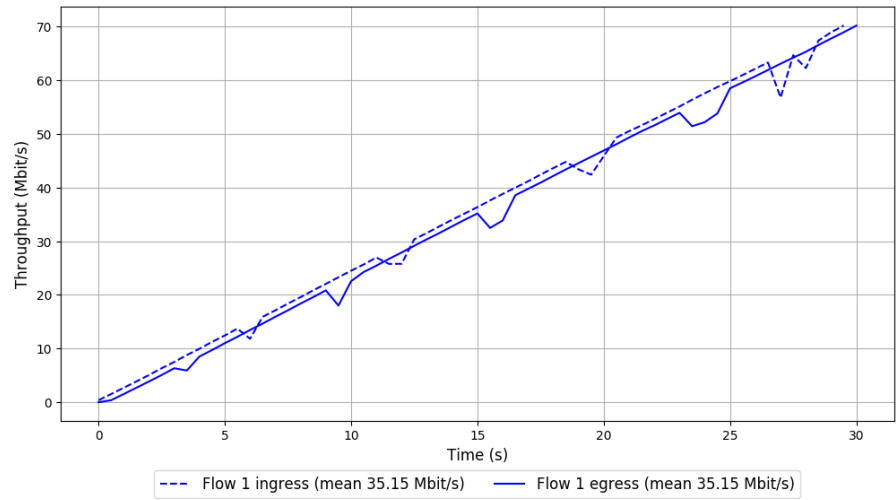
-- Flow 1:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 52.097 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

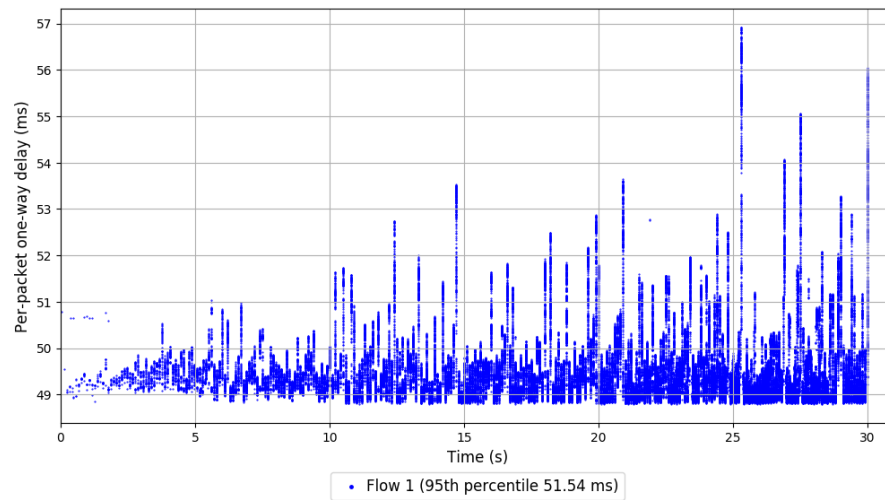
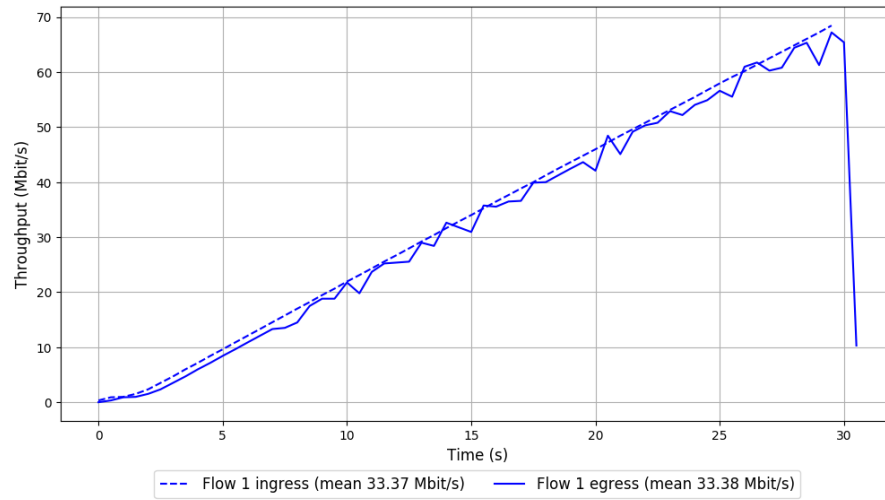


Run 8: Statistics of LEDBAT

Start at: 2018-07-12 00:44:00
End at: 2018-07-12 00:44:31
Local clock offset: -0.036 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-12 01:06:01

End at: 2018-07-12 01:06:31

Local clock offset: 0.327 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-12 03:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.90 Mbit/s

95th percentile per-packet one-way delay: 52.100 ms

Loss rate: 0.00%

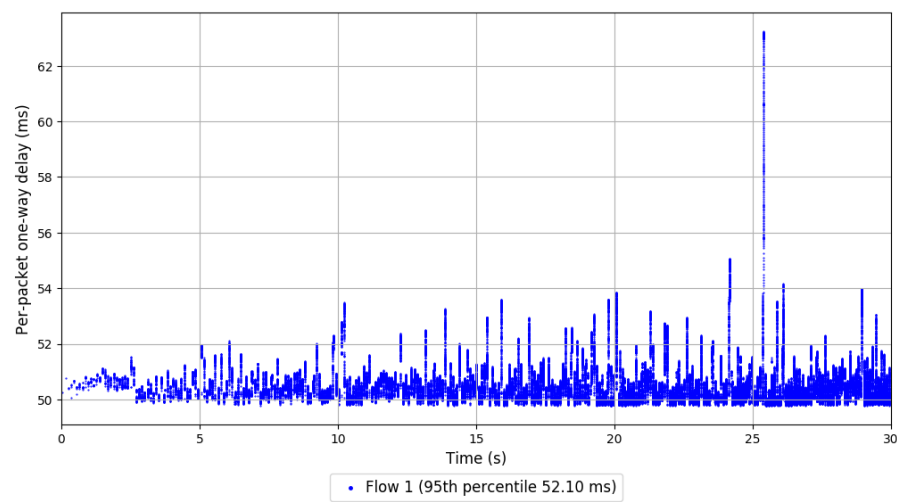
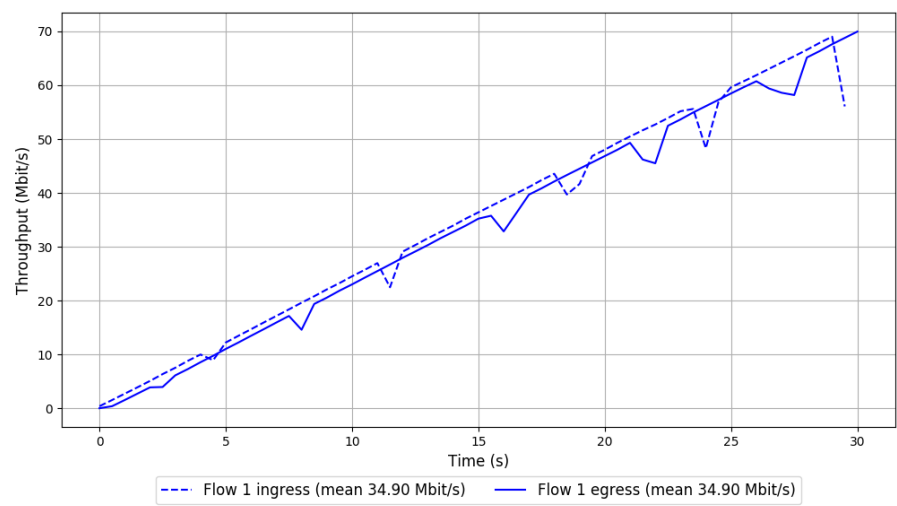
-- Flow 1:

Average throughput: 34.90 Mbit/s

95th percentile per-packet one-way delay: 52.100 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

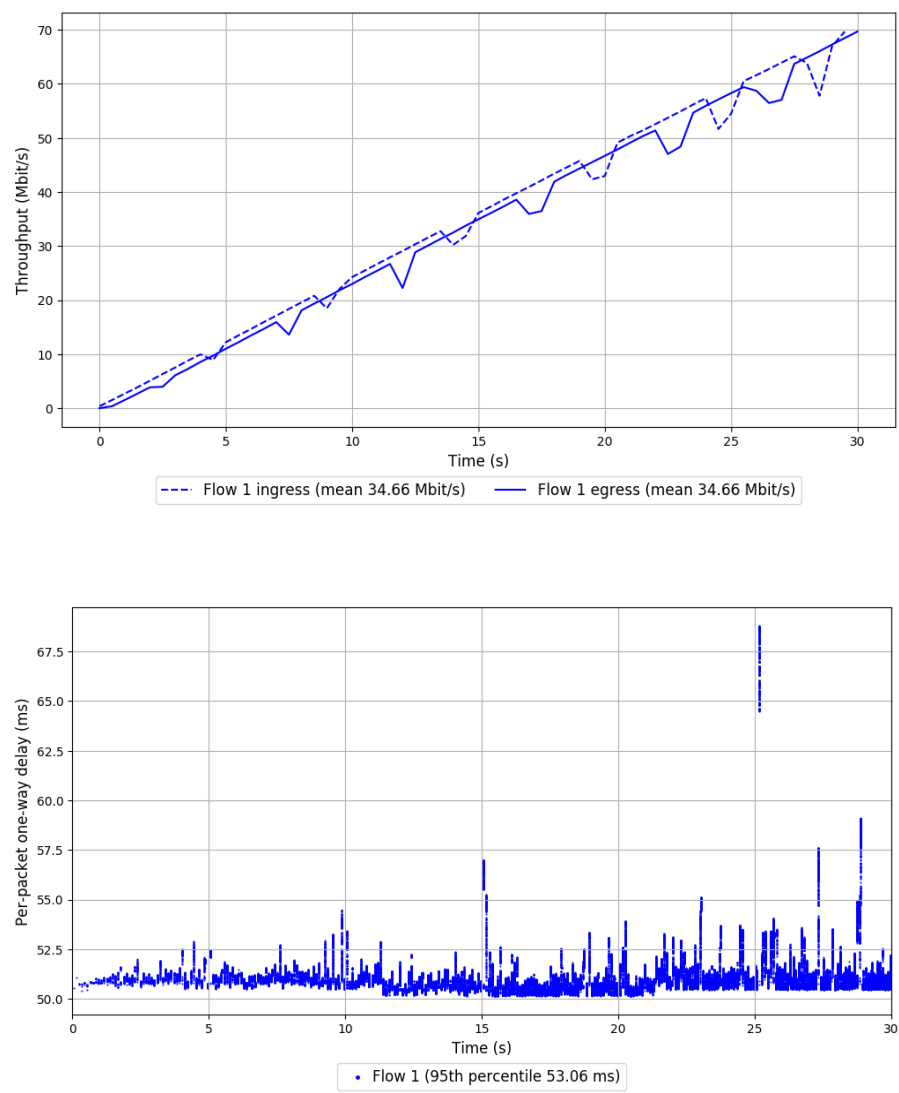


Run 10: Statistics of LEDBAT

Start at: 2018-07-12 01:28:22
End at: 2018-07-12 01:28:52
Local clock offset: -0.067 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 03:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 53.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 53.063 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

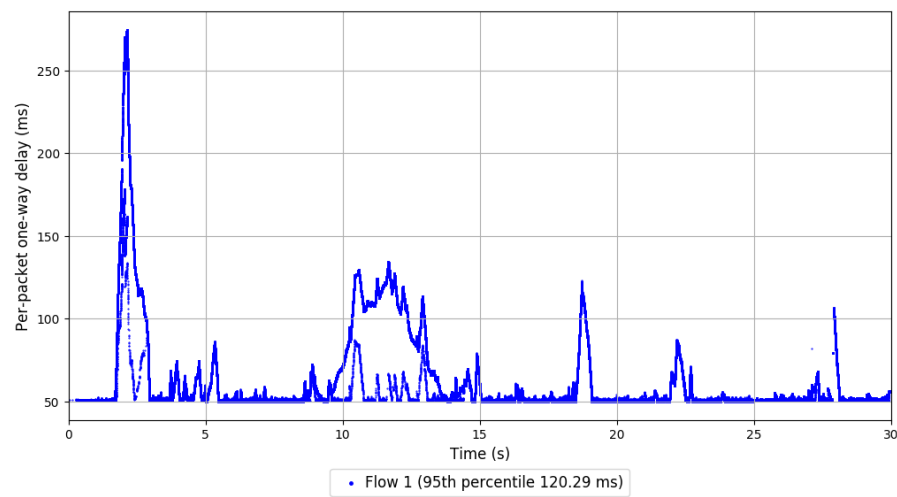
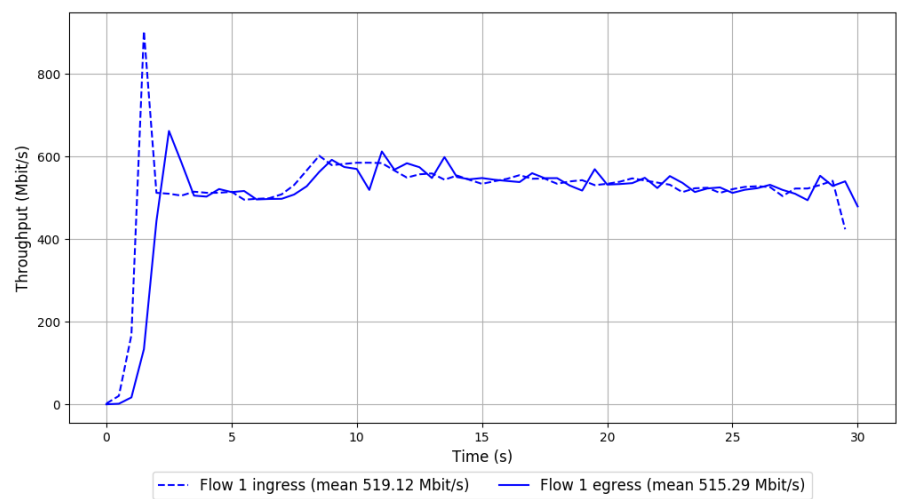


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-11 22:09:59
End at: 2018-07-11 22:10:29
Local clock offset: -0.326 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-07-12 03:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 515.29 Mbit/s
95th percentile per-packet one-way delay: 120.294 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 515.29 Mbit/s
95th percentile per-packet one-way delay: 120.294 ms
Loss rate: 0.72%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-11 22:32:03

End at: 2018-07-11 22:32:33

Local clock offset: -0.046 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-12 03:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.91 Mbit/s

95th percentile per-packet one-way delay: 145.613 ms

Loss rate: 0.41%

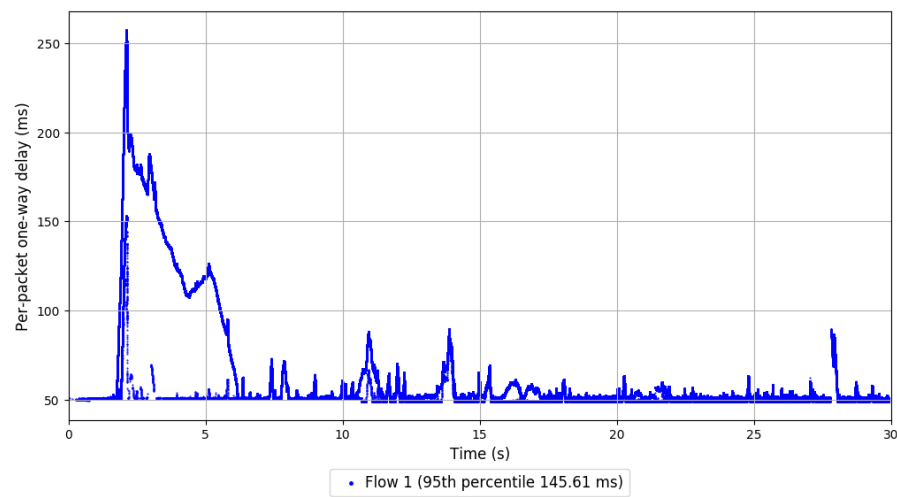
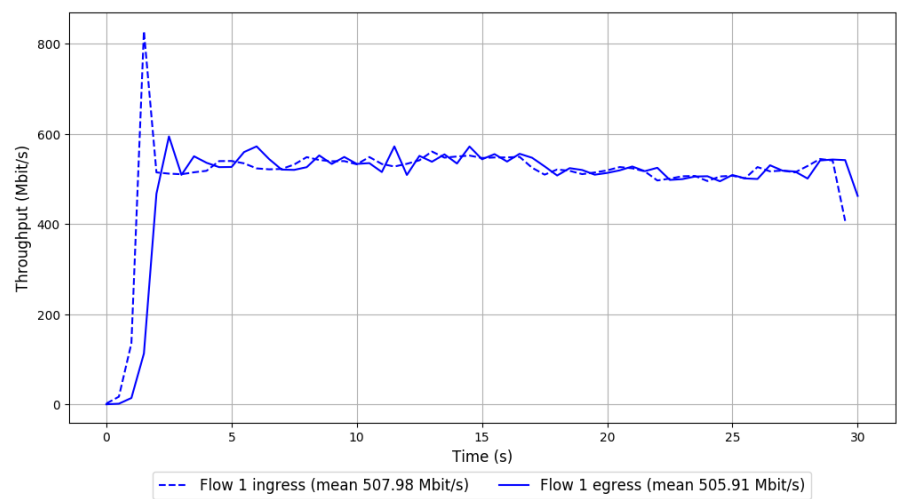
-- Flow 1:

Average throughput: 505.91 Mbit/s

95th percentile per-packet one-way delay: 145.613 ms

Loss rate: 0.41%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-11 22:54:02

End at: 2018-07-11 22:54:32

Local clock offset: -0.045 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-12 03:06:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.45 Mbit/s

95th percentile per-packet one-way delay: 149.449 ms

Loss rate: 0.26%

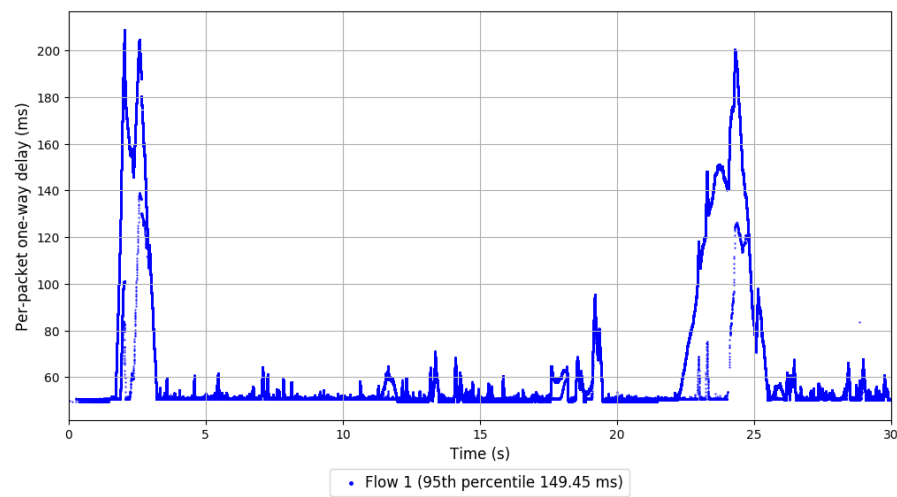
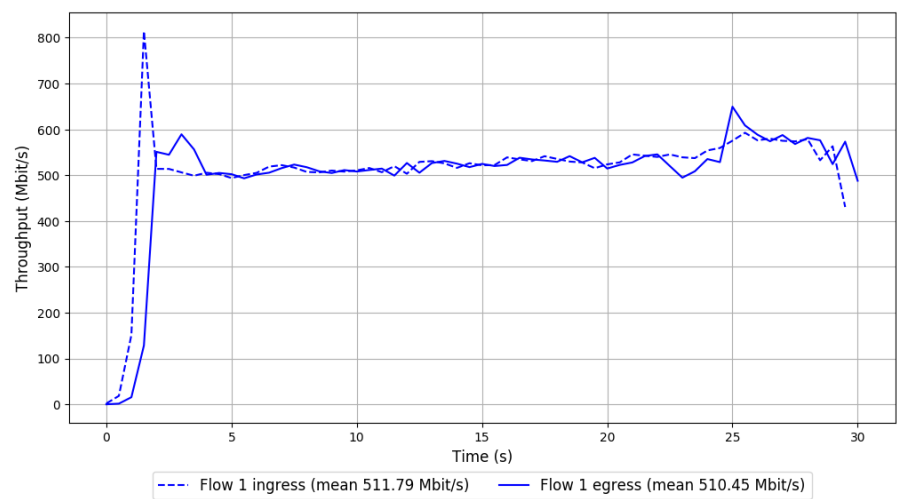
-- Flow 1:

Average throughput: 510.45 Mbit/s

95th percentile per-packet one-way delay: 149.449 ms

Loss rate: 0.26%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-11 23:16:34

End at: 2018-07-11 23:17:04

Local clock offset: -0.061 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 03:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.89 Mbit/s

95th percentile per-packet one-way delay: 127.063 ms

Loss rate: 0.44%

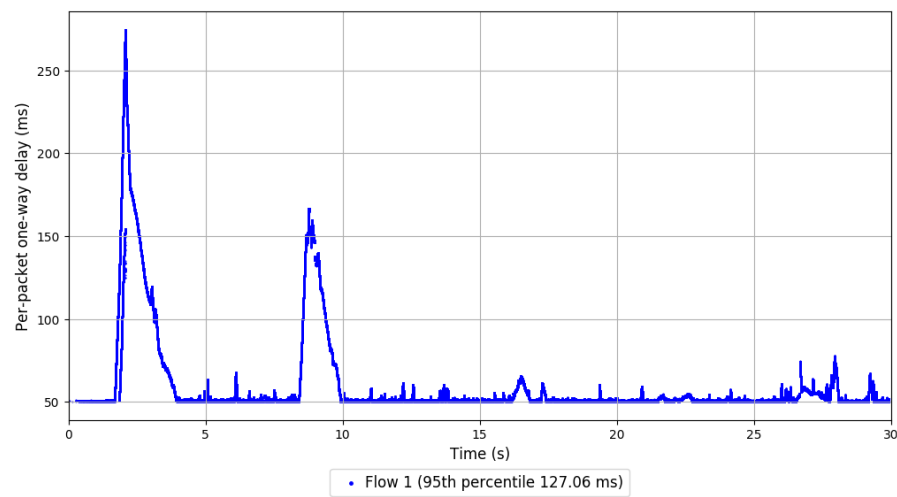
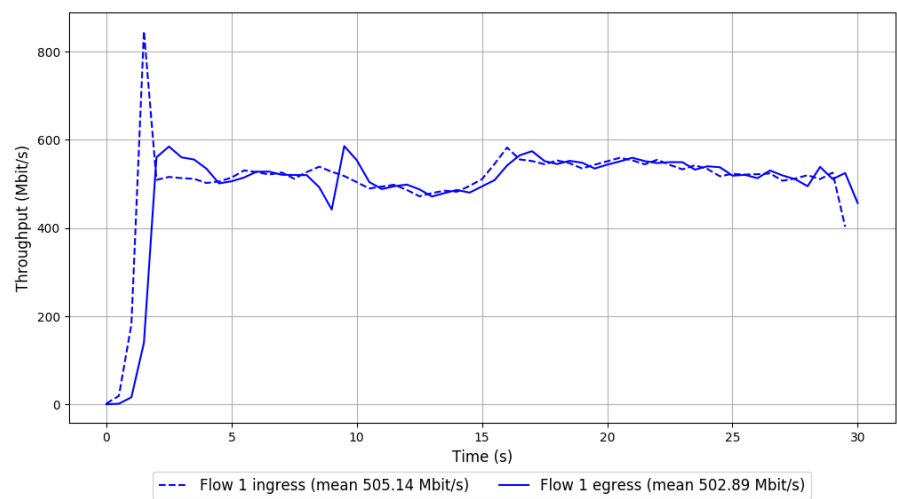
-- Flow 1:

Average throughput: 502.89 Mbit/s

95th percentile per-packet one-way delay: 127.063 ms

Loss rate: 0.44%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-11 23:38:33

End at: 2018-07-11 23:39:03

Local clock offset: -0.071 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-12 03:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.51 Mbit/s

95th percentile per-packet one-way delay: 67.791 ms

Loss rate: 0.39%

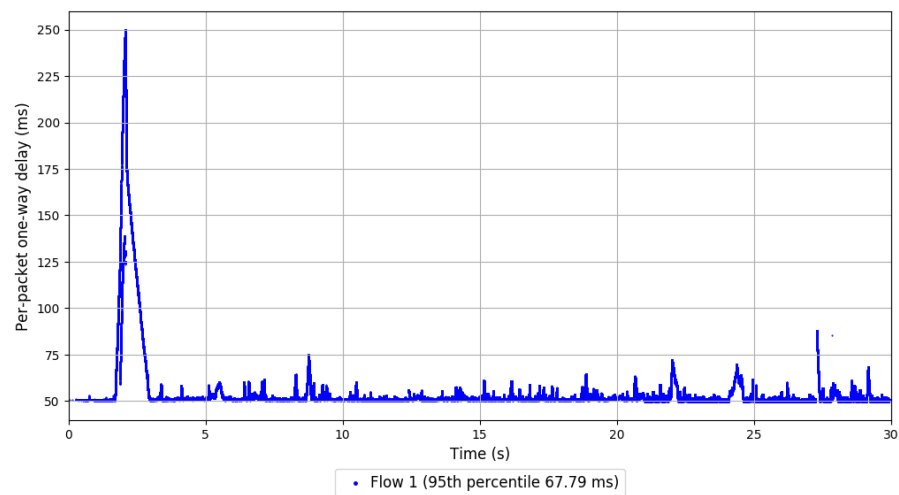
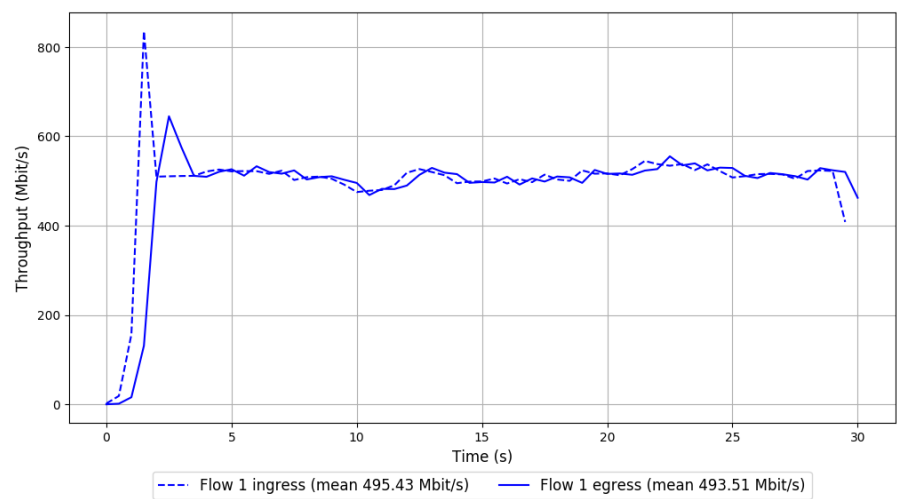
-- Flow 1:

Average throughput: 493.51 Mbit/s

95th percentile per-packet one-way delay: 67.791 ms

Loss rate: 0.39%

Run 5: Report of PCC-Allegro — Data Link

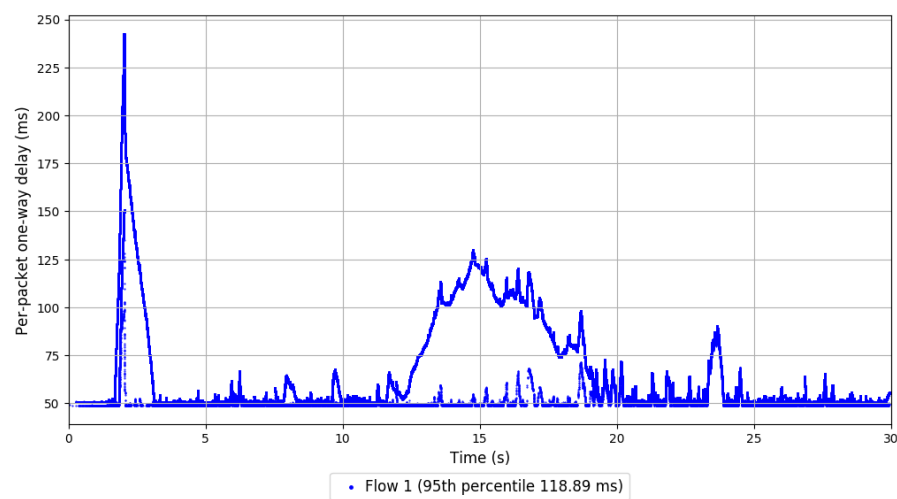
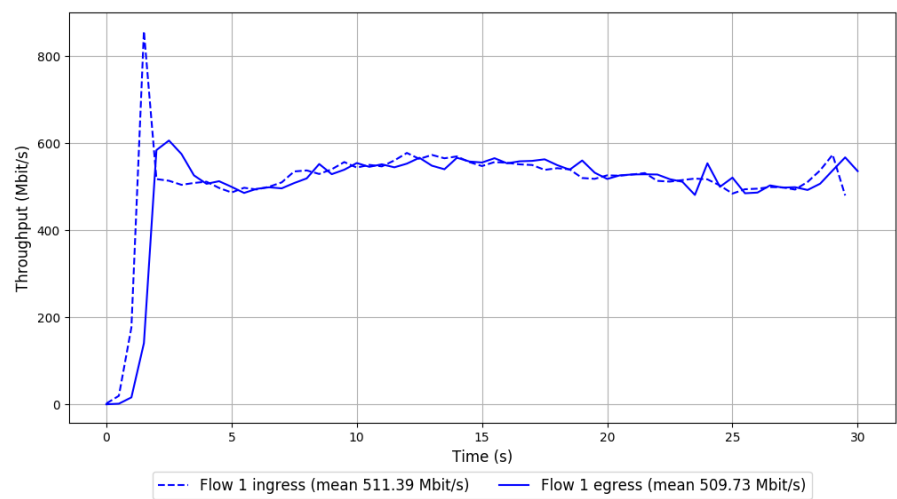


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-12 00:00:41
End at: 2018-07-12 00:01:11
Local clock offset: -0.068 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 03:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 509.73 Mbit/s
95th percentile per-packet one-way delay: 118.888 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 509.73 Mbit/s
95th percentile per-packet one-way delay: 118.888 ms
Loss rate: 0.32%

Run 6: Report of PCC-Allegro — Data Link

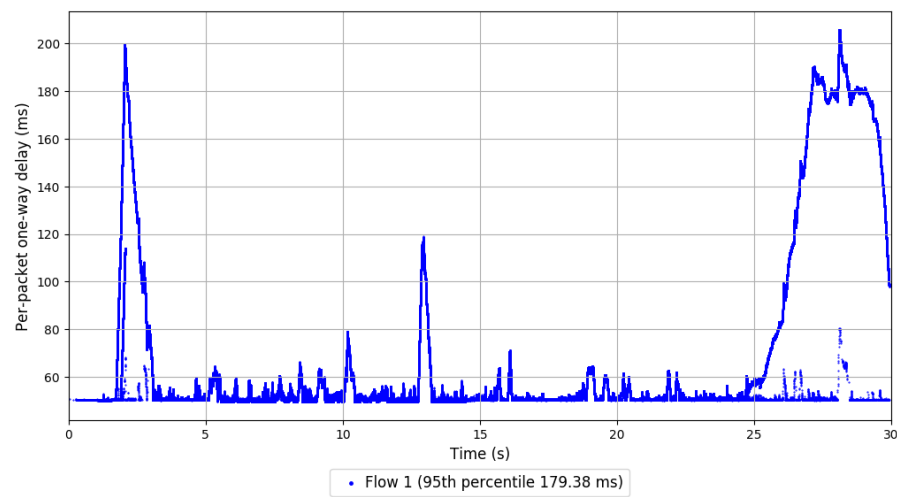
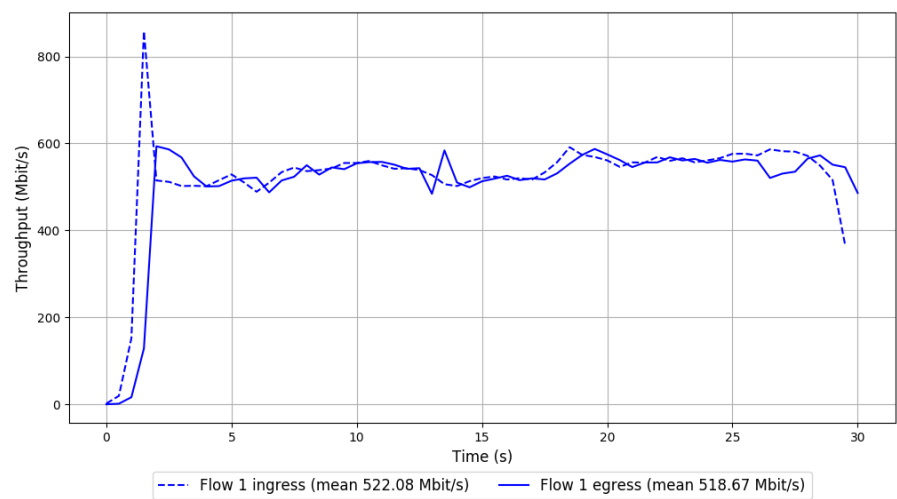


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-12 00:22:59
End at: 2018-07-12 00:23:29
Local clock offset: -0.038 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 03:08:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.67 Mbit/s
95th percentile per-packet one-way delay: 179.379 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 518.67 Mbit/s
95th percentile per-packet one-way delay: 179.379 ms
Loss rate: 0.65%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-12 00:45:08

End at: 2018-07-12 00:45:38

Local clock offset: -0.364 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-12 03:13:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.54 Mbit/s

95th percentile per-packet one-way delay: 86.132 ms

Loss rate: 0.62%

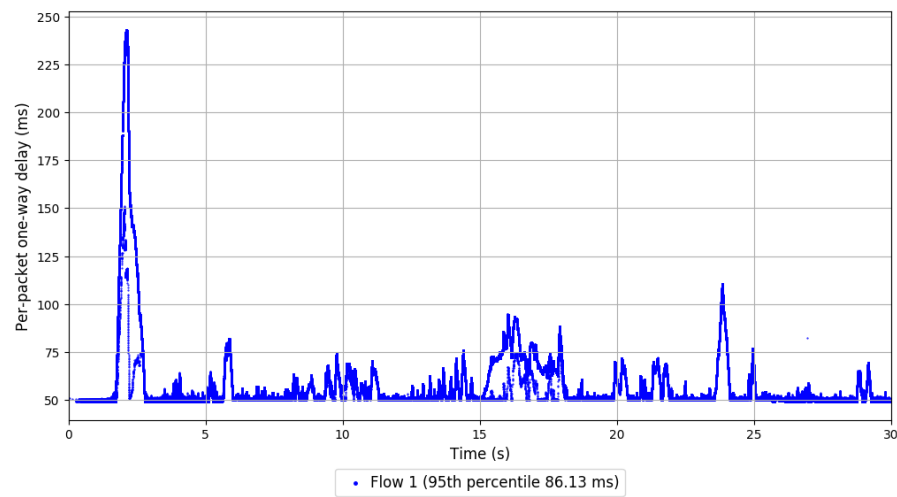
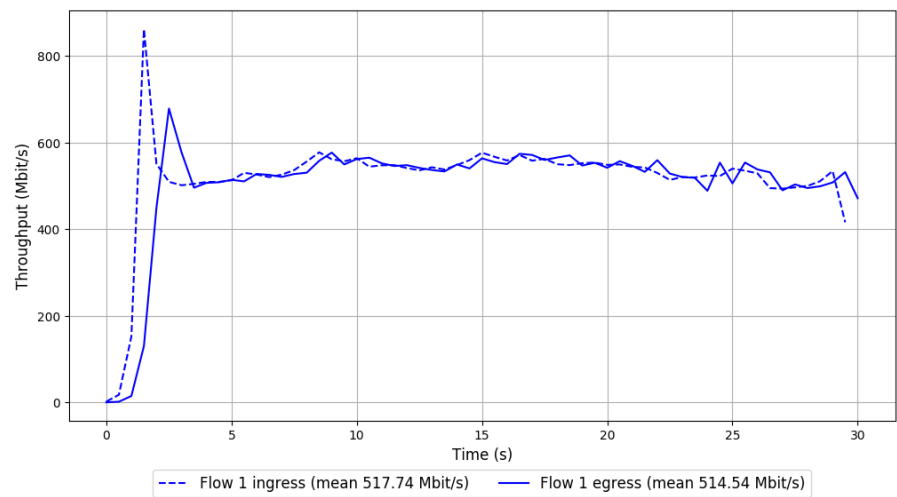
-- Flow 1:

Average throughput: 514.54 Mbit/s

95th percentile per-packet one-way delay: 86.132 ms

Loss rate: 0.62%

Run 8: Report of PCC-Allegro — Data Link

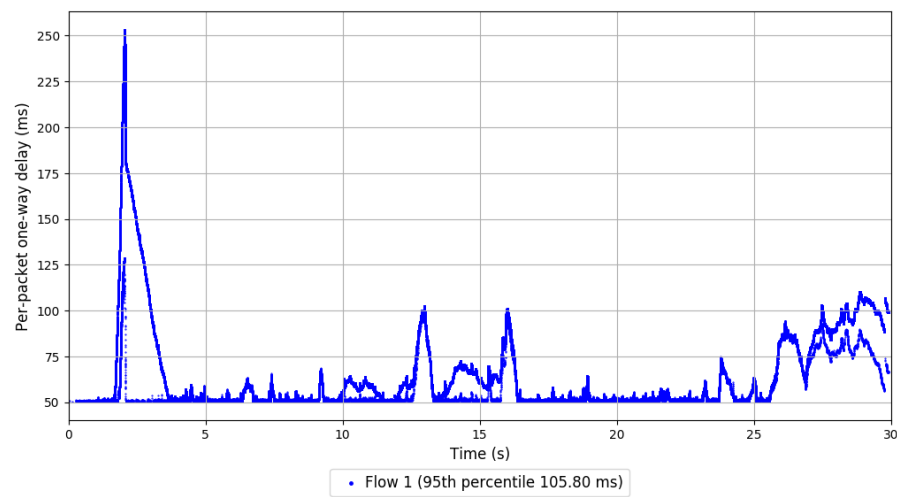
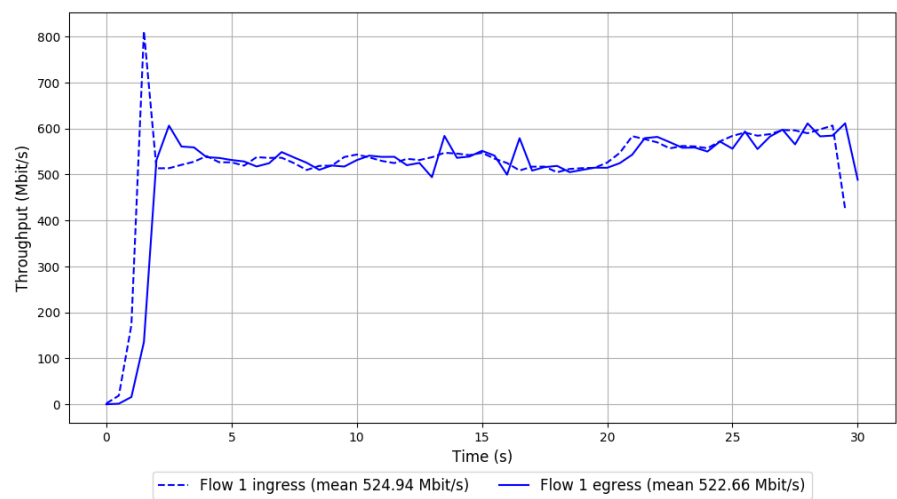


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-12 01:07:09
End at: 2018-07-12 01:07:39
Local clock offset: -0.115 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-12 03:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 522.66 Mbit/s
95th percentile per-packet one-way delay: 105.802 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 522.66 Mbit/s
95th percentile per-packet one-way delay: 105.802 ms
Loss rate: 0.43%

Run 9: Report of PCC-Allegro — Data Link

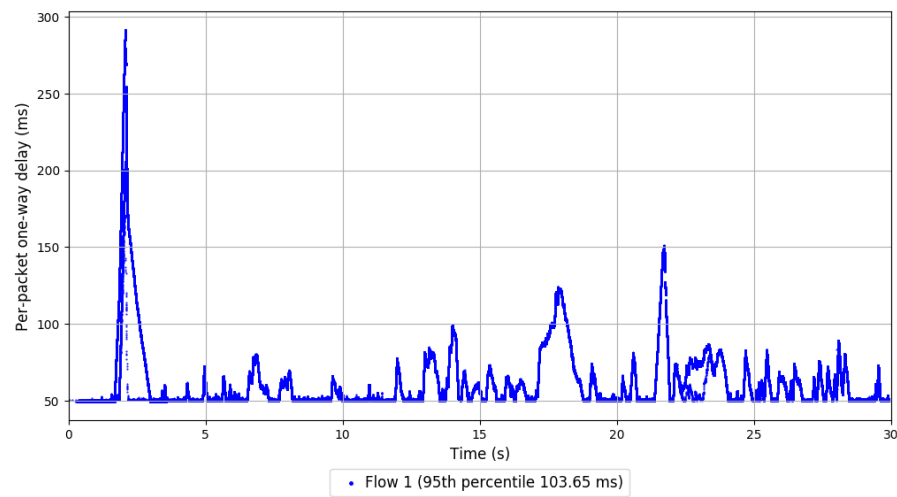
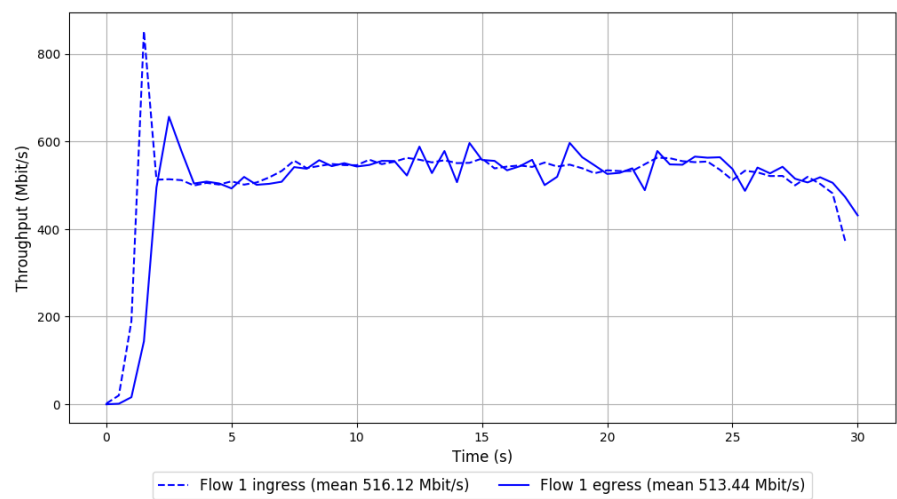


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-12 01:29:30
End at: 2018-07-12 01:30:00
Local clock offset: 0.311 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-12 03:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 513.44 Mbit/s
95th percentile per-packet one-way delay: 103.649 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 513.44 Mbit/s
95th percentile per-packet one-way delay: 103.649 ms
Loss rate: 0.52%

Run 10: Report of PCC-Allegro — Data Link

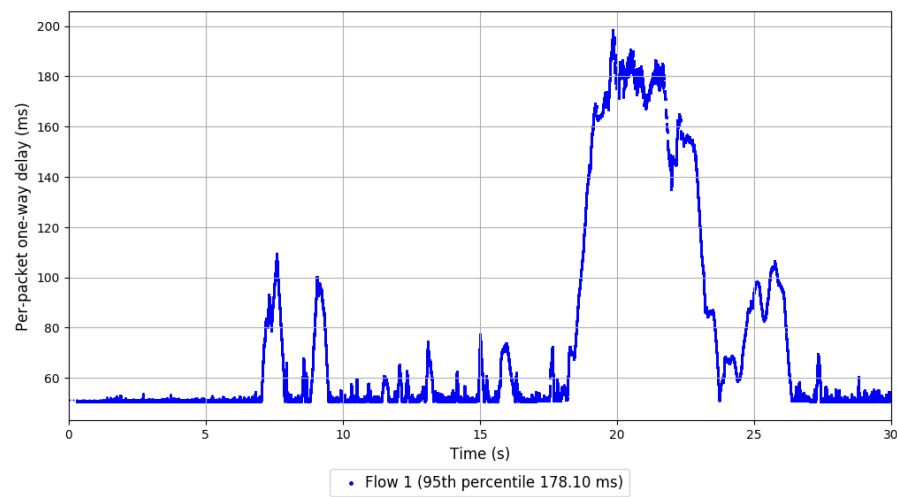
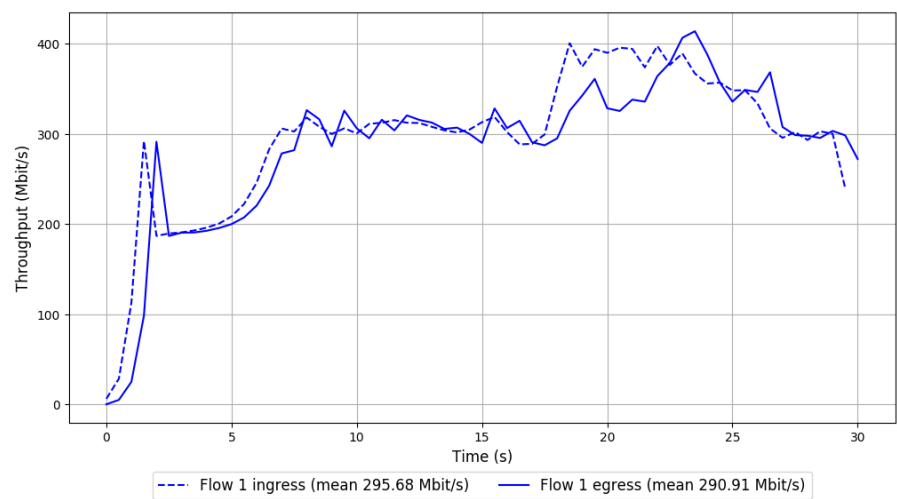


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-11 22:12:57
End at: 2018-07-11 22:13:27
Local clock offset: -0.451 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-12 03:15:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 290.91 Mbit/s
95th percentile per-packet one-way delay: 178.102 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 290.91 Mbit/s
95th percentile per-packet one-way delay: 178.102 ms
Loss rate: 1.61%
```

Run 1: Report of PCC-Expr — Data Link

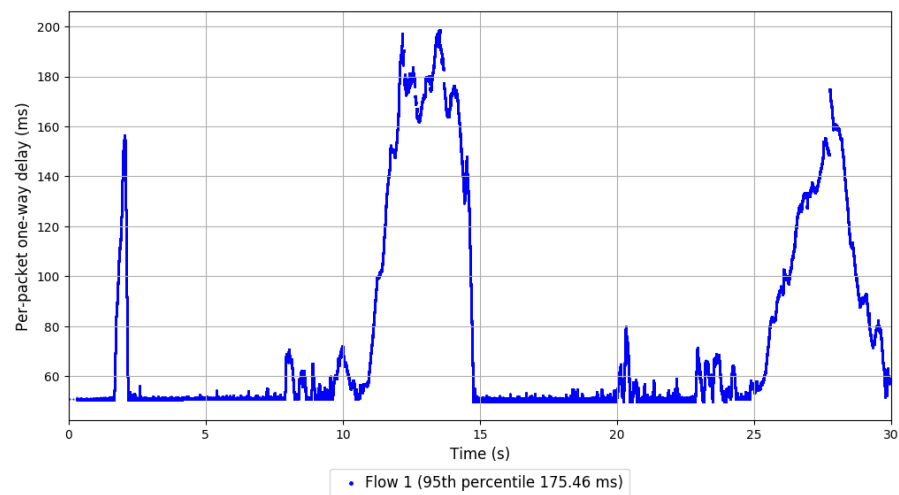
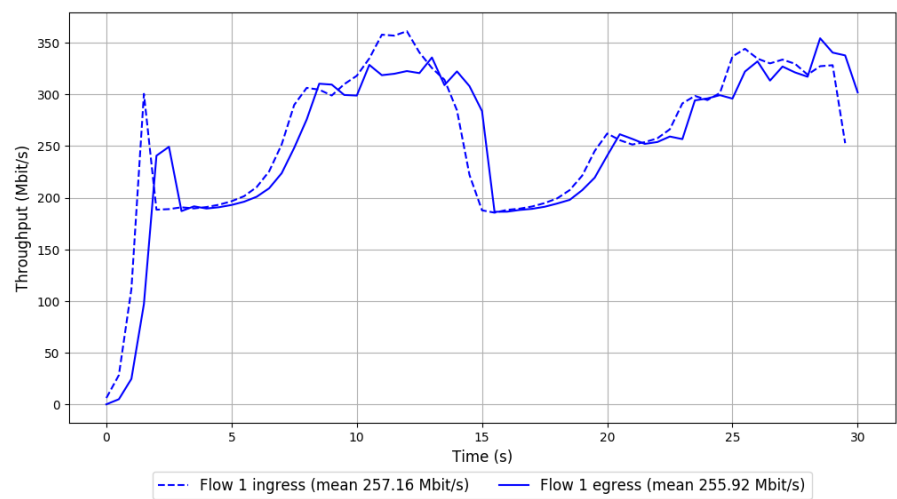


Run 2: Statistics of PCC-Expr

Start at: 2018-07-11 22:35:00
End at: 2018-07-11 22:35:30
Local clock offset: -0.419 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 03:15:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.92 Mbit/s
95th percentile per-packet one-way delay: 175.457 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 255.92 Mbit/s
95th percentile per-packet one-way delay: 175.457 ms
Loss rate: 0.48%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-11 22:57:01

End at: 2018-07-11 22:57:31

Local clock offset: -0.415 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 03:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.26 Mbit/s

95th percentile per-packet one-way delay: 288.976 ms

Loss rate: 36.72%

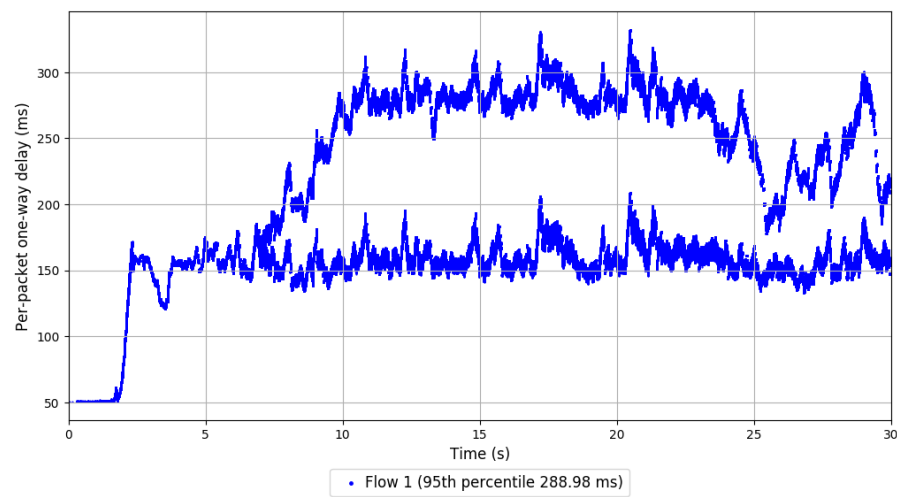
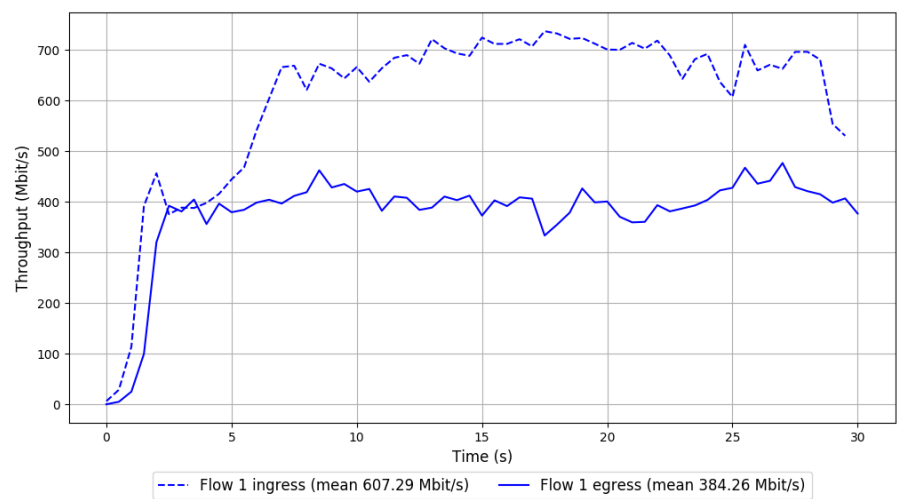
-- Flow 1:

Average throughput: 384.26 Mbit/s

95th percentile per-packet one-way delay: 288.976 ms

Loss rate: 36.72%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-11 23:19:29

End at: 2018-07-11 23:19:59

Local clock offset: -0.023 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-12 03:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.03 Mbit/s

95th percentile per-packet one-way delay: 180.719 ms

Loss rate: 1.97%

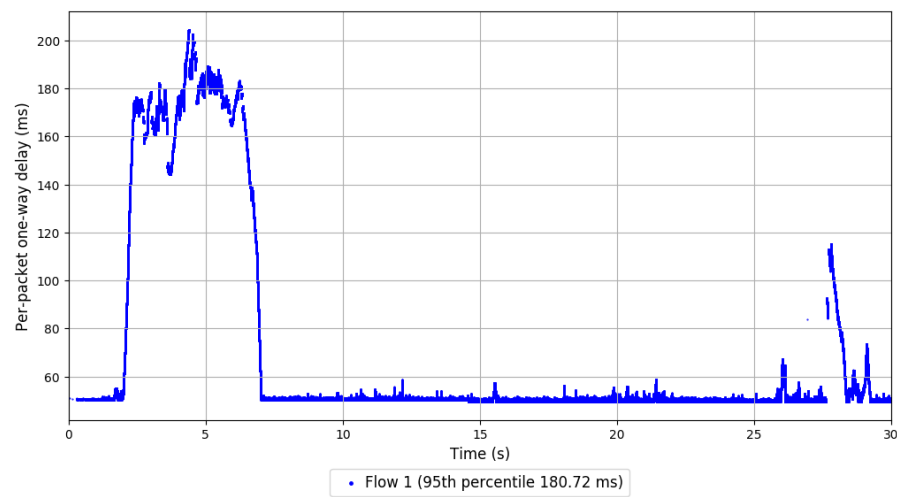
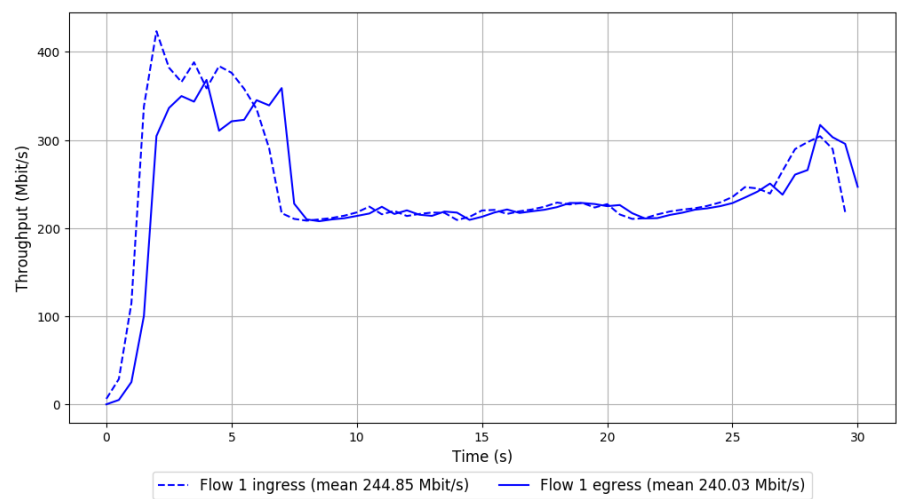
-- Flow 1:

Average throughput: 240.03 Mbit/s

95th percentile per-packet one-way delay: 180.719 ms

Loss rate: 1.97%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-11 23:41:29

End at: 2018-07-11 23:41:59

Local clock offset: -0.005 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-12 03:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.67 Mbit/s

95th percentile per-packet one-way delay: 147.639 ms

Loss rate: 0.42%

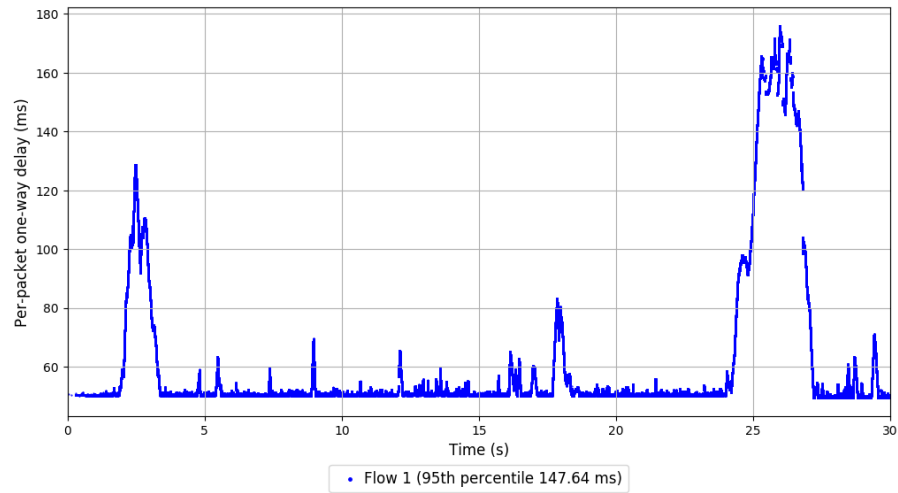
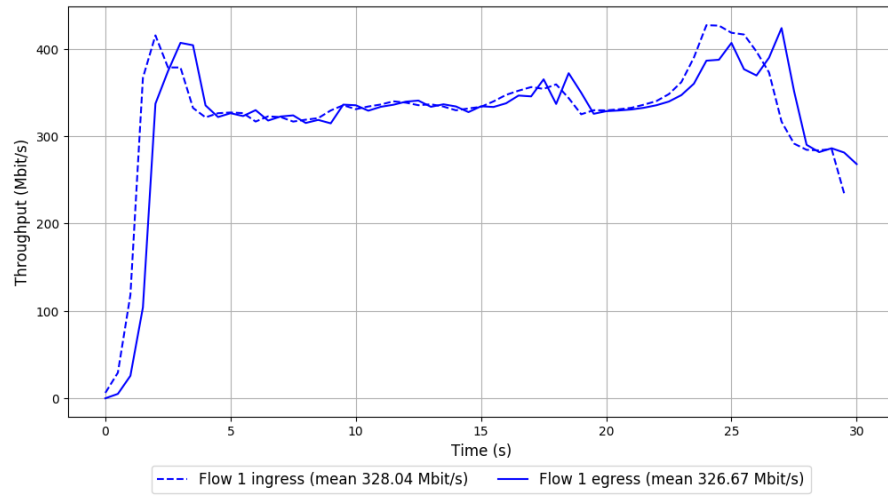
-- Flow 1:

Average throughput: 326.67 Mbit/s

95th percentile per-packet one-way delay: 147.639 ms

Loss rate: 0.42%

Run 5: Report of PCC-Expr — Data Link

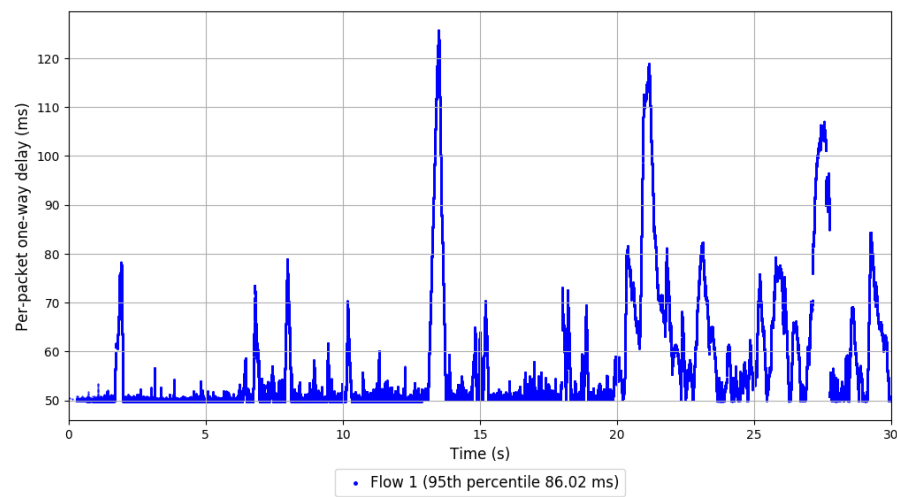
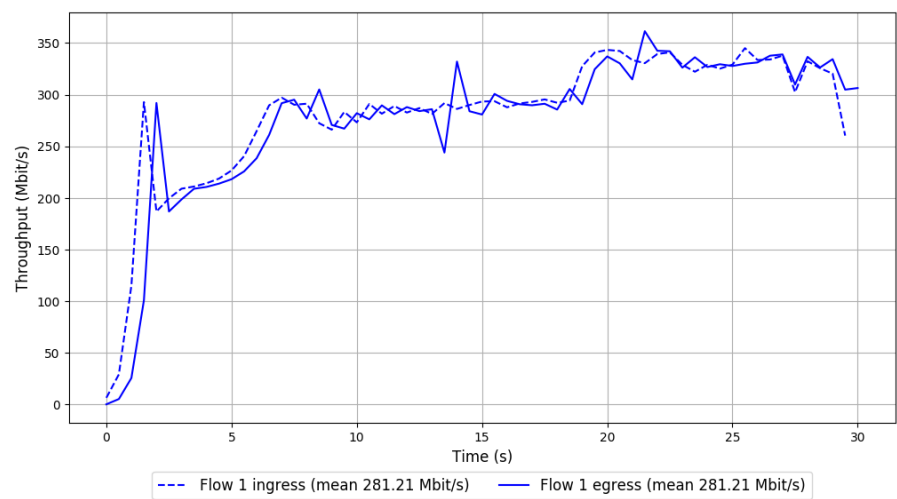


Run 6: Statistics of PCC-Expr

Start at: 2018-07-12 00:03:41
End at: 2018-07-12 00:04:11
Local clock offset: 0.302 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 03:22:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.21 Mbit/s
95th percentile per-packet one-way delay: 86.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 281.21 Mbit/s
95th percentile per-packet one-way delay: 86.021 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-12 00:25:55

End at: 2018-07-12 00:26:25

Local clock offset: 0.308 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.23 Mbit/s

95th percentile per-packet one-way delay: 130.738 ms

Loss rate: 0.00%

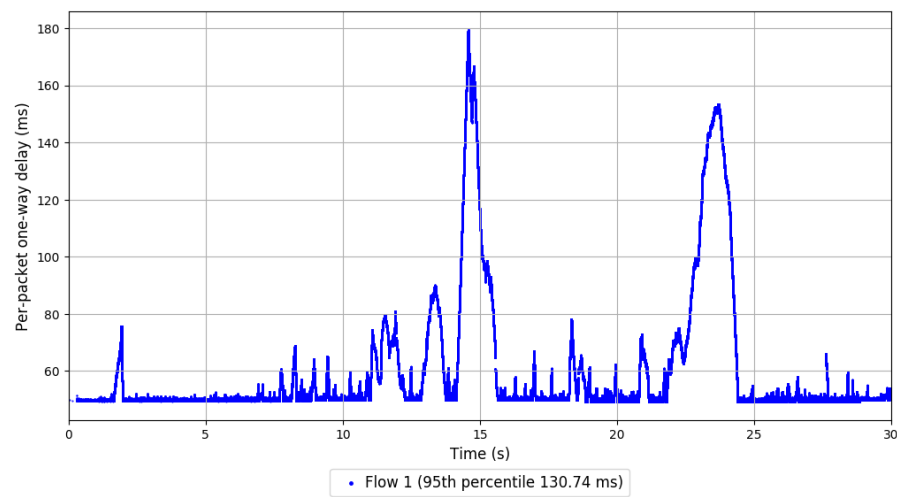
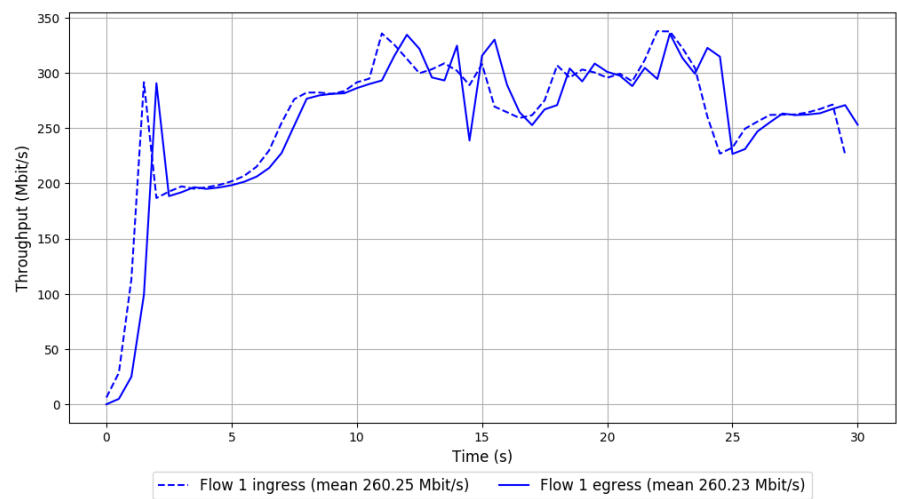
-- Flow 1:

Average throughput: 260.23 Mbit/s

95th percentile per-packet one-way delay: 130.738 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

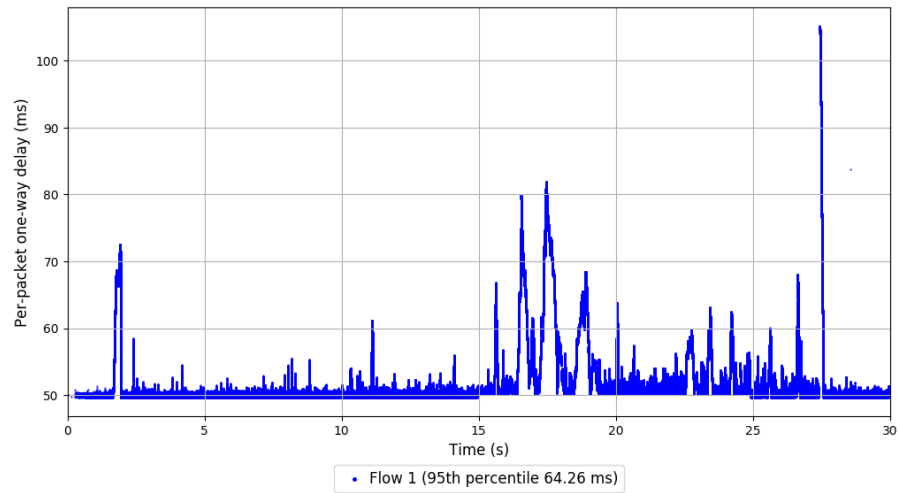
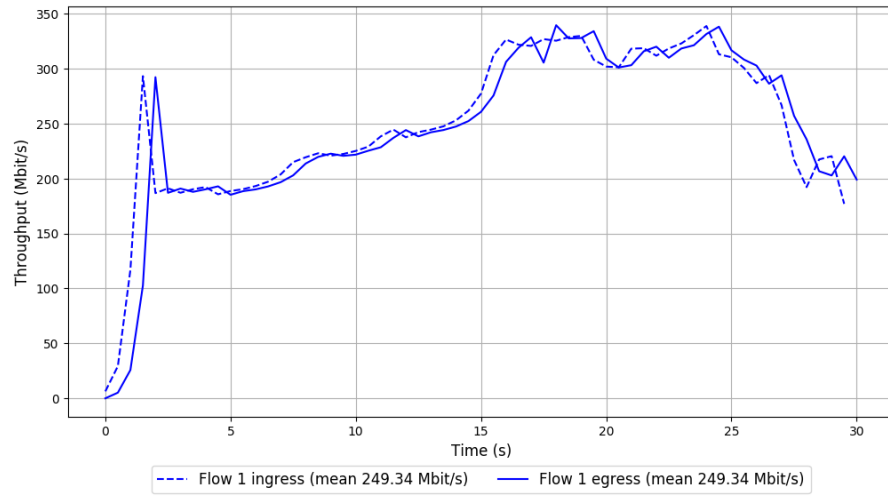


Run 8: Statistics of PCC-Expr

Start at: 2018-07-12 00:48:09
End at: 2018-07-12 00:48:39
Local clock offset: -0.016 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-12 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.34 Mbit/s
95th percentile per-packet one-way delay: 64.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 249.34 Mbit/s
95th percentile per-packet one-way delay: 64.261 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-12 01:10:15

End at: 2018-07-12 01:10:45

Local clock offset: -0.015 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.47 Mbit/s

95th percentile per-packet one-way delay: 65.815 ms

Loss rate: 0.00%

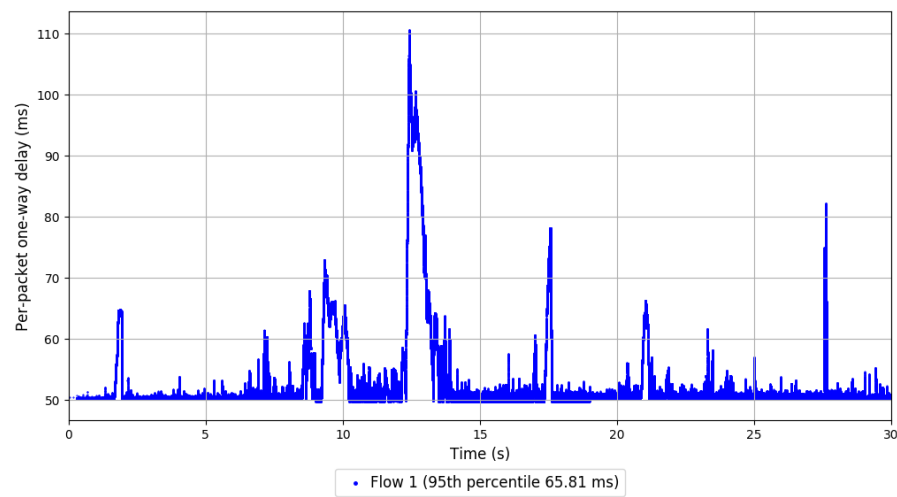
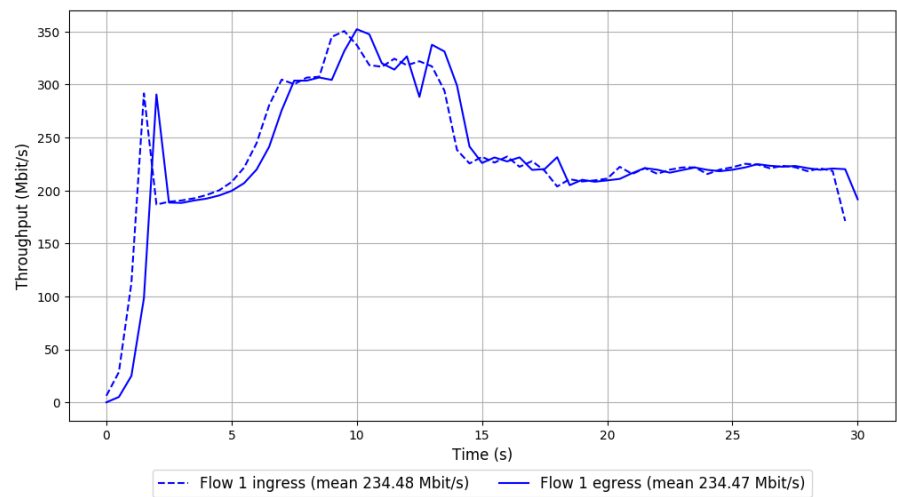
-- Flow 1:

Average throughput: 234.47 Mbit/s

95th percentile per-packet one-way delay: 65.815 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

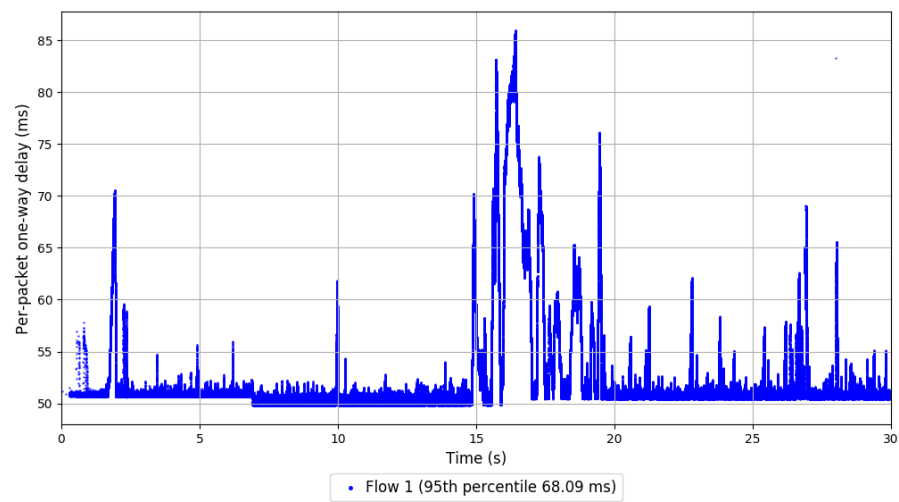
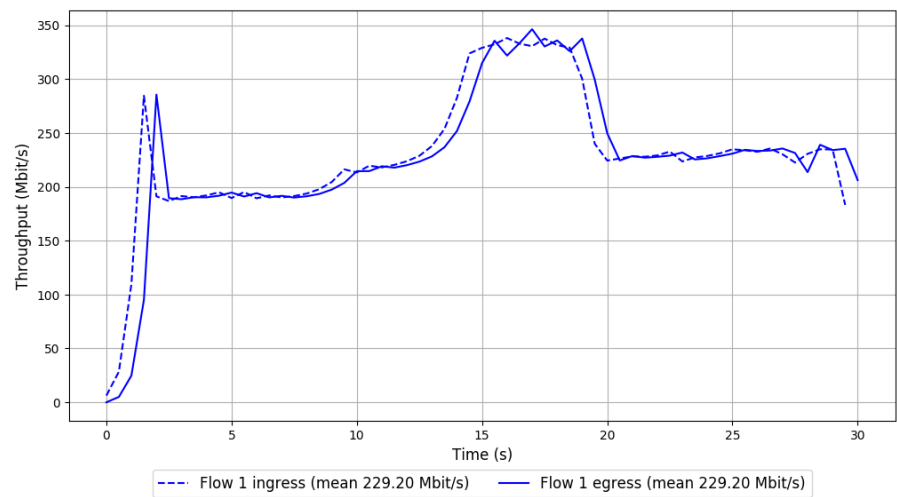


Run 10: Statistics of PCC-Expr

Start at: 2018-07-12 01:32:27
End at: 2018-07-12 01:32:57
Local clock offset: -0.411 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-12 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.20 Mbit/s
95th percentile per-packet one-way delay: 68.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.20 Mbit/s
95th percentile per-packet one-way delay: 68.086 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-11 22:06:37

End at: 2018-07-11 22:07:08

Local clock offset: 0.013 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.16 Mbit/s

95th percentile per-packet one-way delay: 50.843 ms

Loss rate: 0.00%

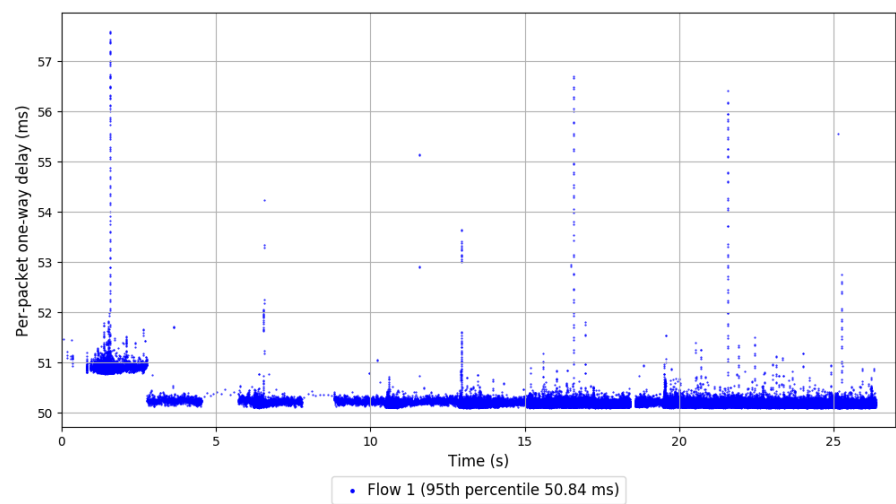
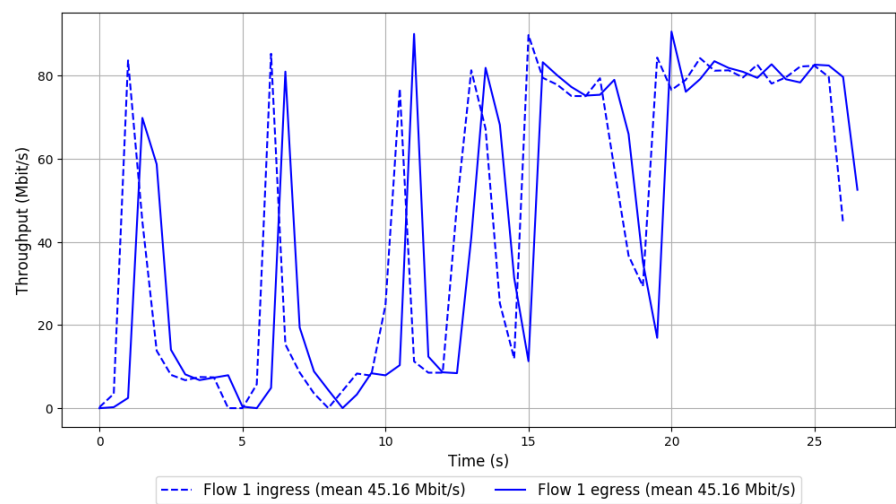
-- Flow 1:

Average throughput: 45.16 Mbit/s

95th percentile per-packet one-way delay: 50.843 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

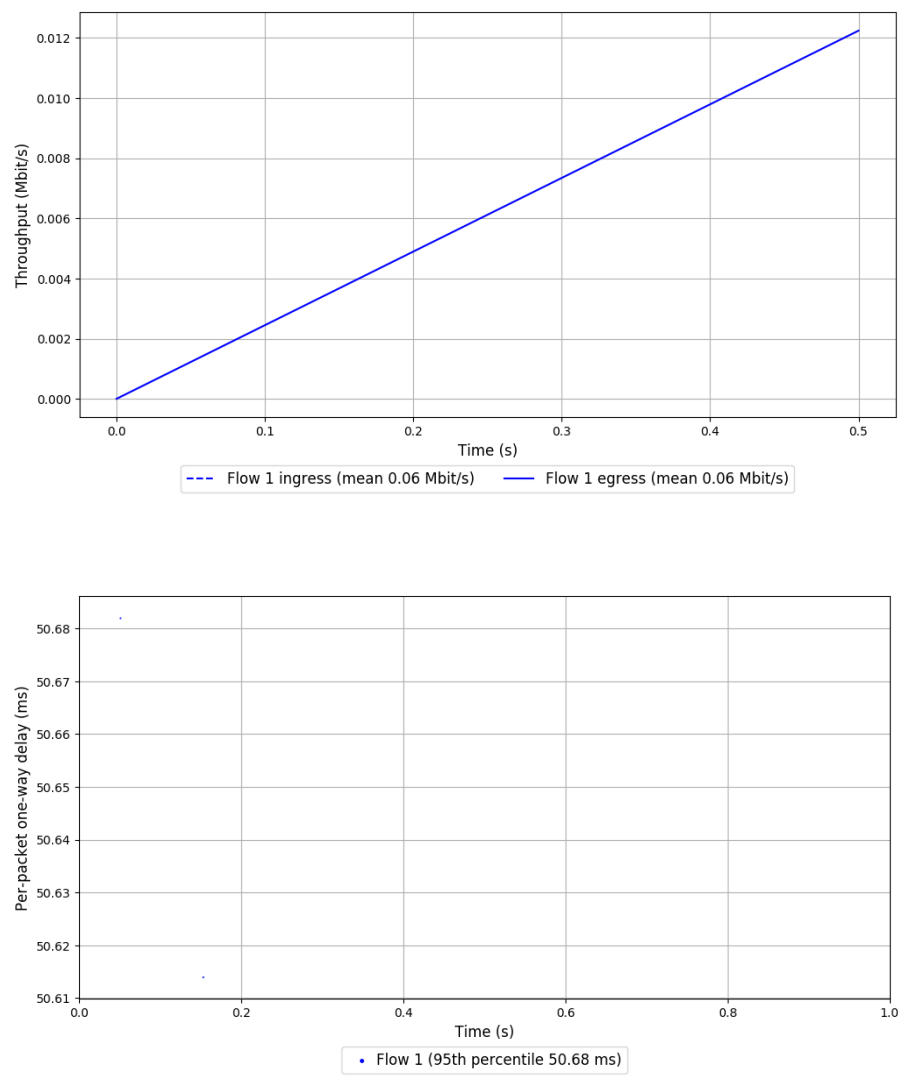
Start at: 2018-07-11 22:28:45

End at: 2018-07-11 22:29:15

Local clock offset: -0.034 ms

Remote clock offset: -0.034 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

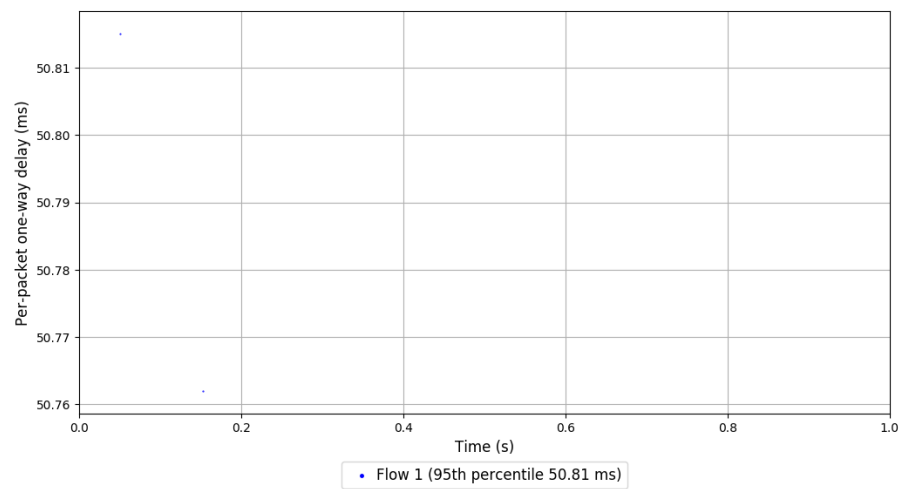
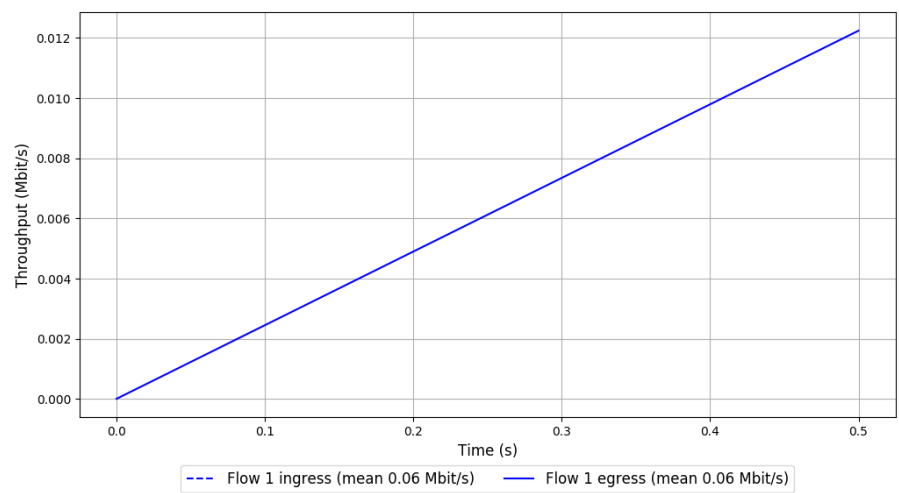
Start at: 2018-07-11 22:50:43

End at: 2018-07-11 22:51:13

Local clock offset: -0.057 ms

Remote clock offset: -0.022 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

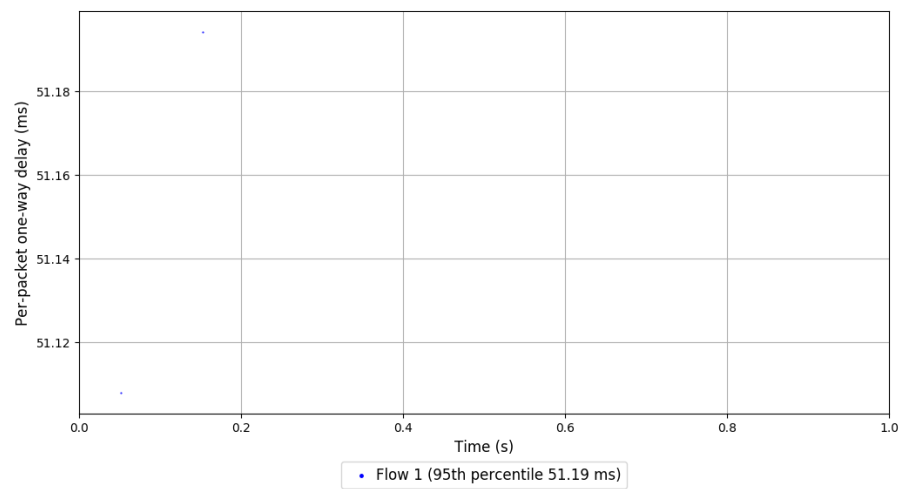
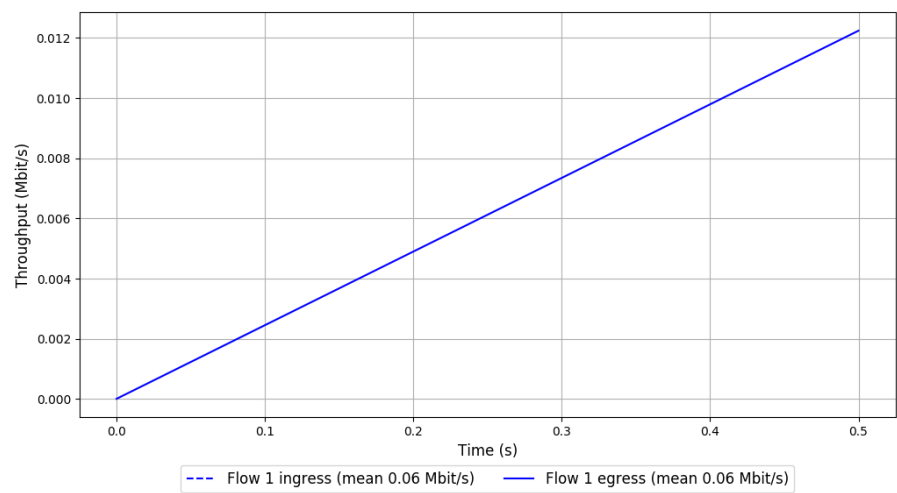
Start at: 2018-07-11 23:13:15

End at: 2018-07-11 23:13:45

Local clock offset: -0.443 ms

Remote clock offset: 0.004 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-11 23:35:12

End at: 2018-07-11 23:35:42

Local clock offset: -0.067 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.07 Mbit/s

95th percentile per-packet one-way delay: 50.658 ms

Loss rate: 0.00%

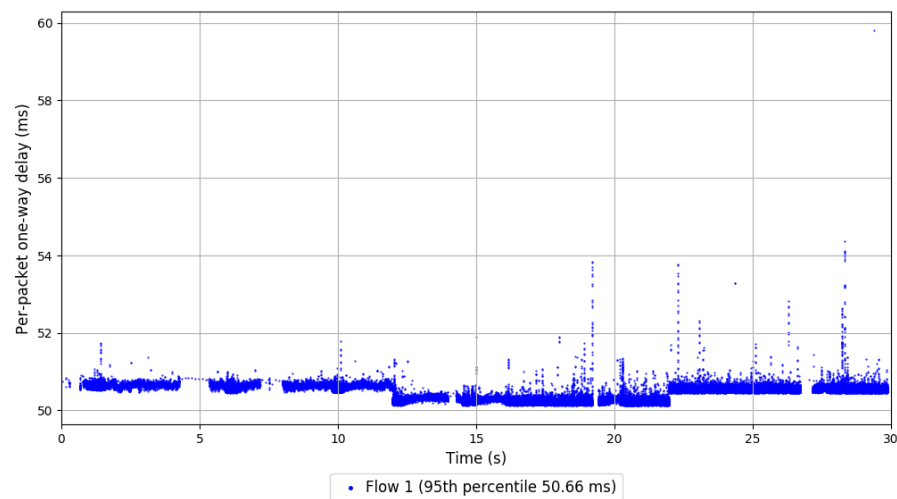
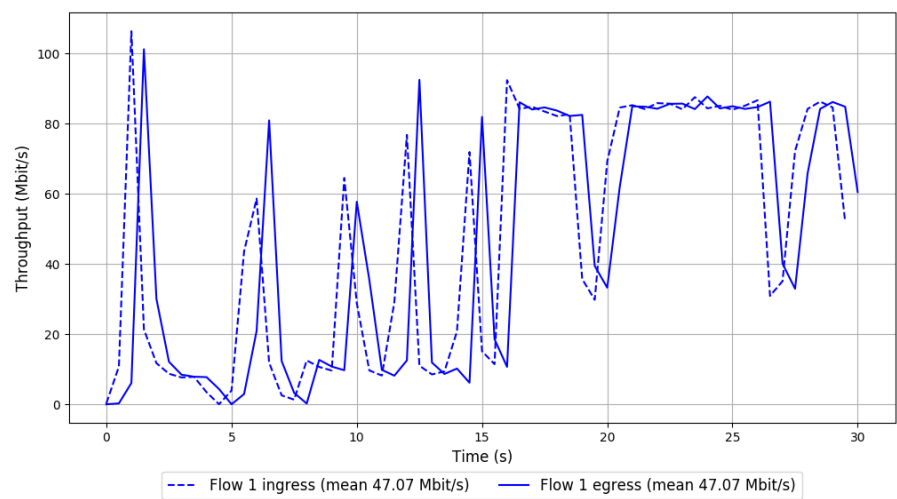
-- Flow 1:

Average throughput: 47.07 Mbit/s

95th percentile per-packet one-way delay: 50.658 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-11 23:57:20

End at: 2018-07-11 23:57:50

Local clock offset: -0.072 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 50.779 ms

Loss rate: 0.00%

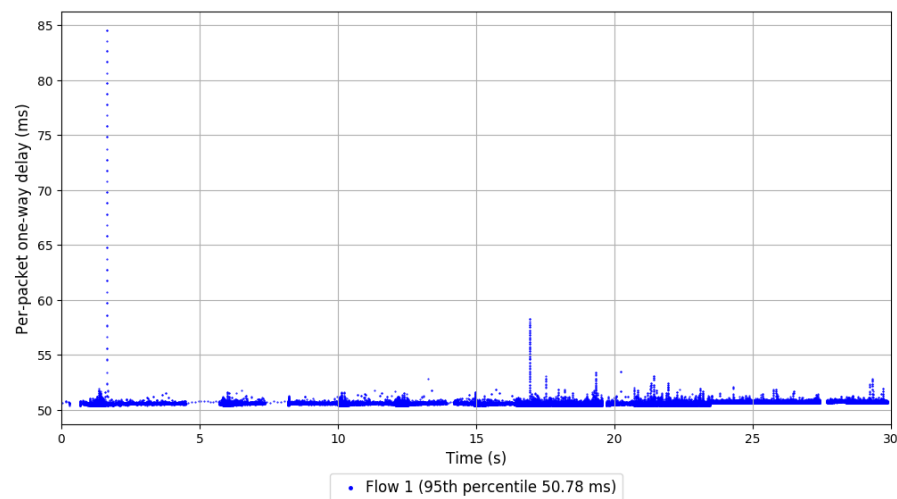
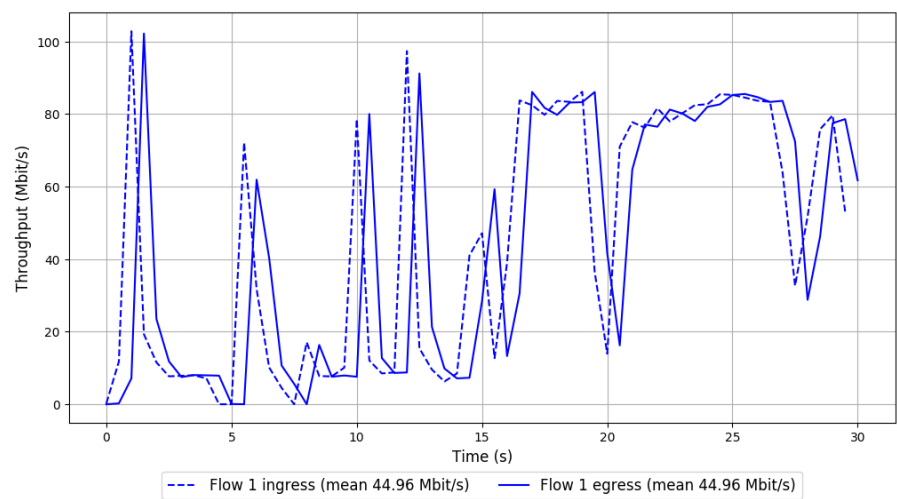
-- Flow 1:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 50.779 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

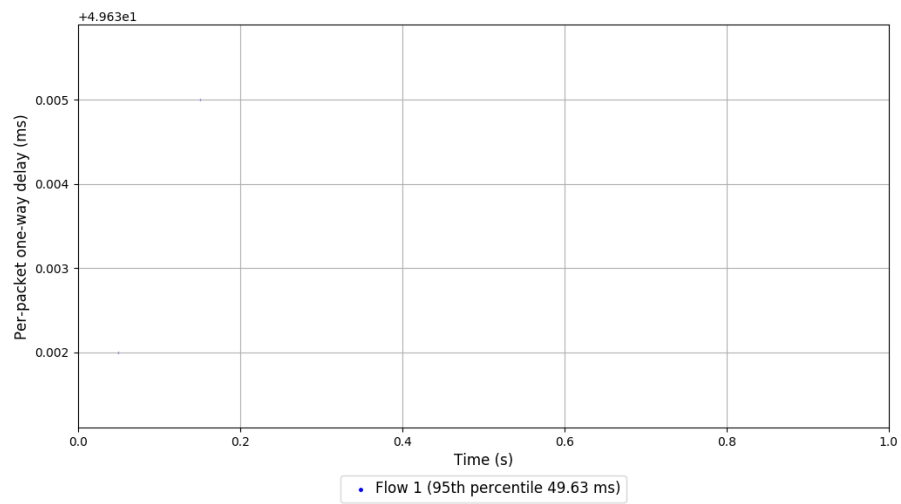
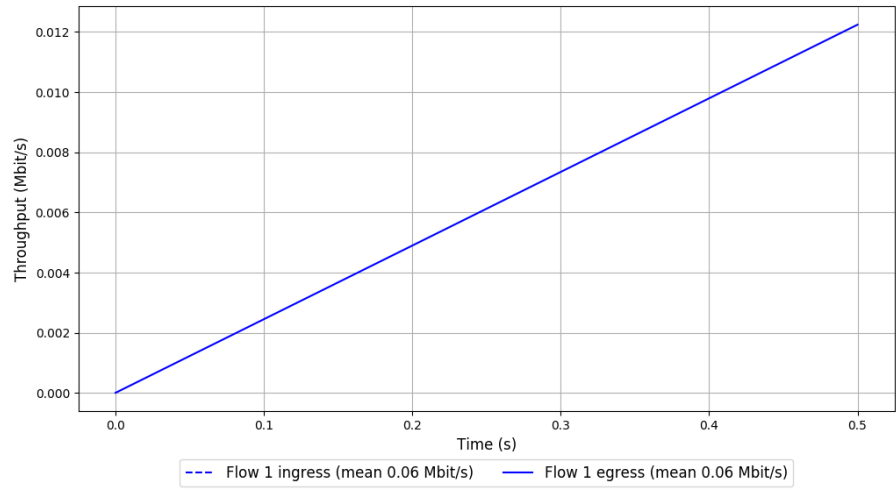
Start at: 2018-07-12 00:19:39

End at: 2018-07-12 00:20:10

Local clock offset: -0.015 ms

Remote clock offset: 0.005 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-12 00:41:47

End at: 2018-07-12 00:42:17

Local clock offset: 0.024 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.90 Mbit/s

95th percentile per-packet one-way delay: 50.578 ms

Loss rate: 0.00%

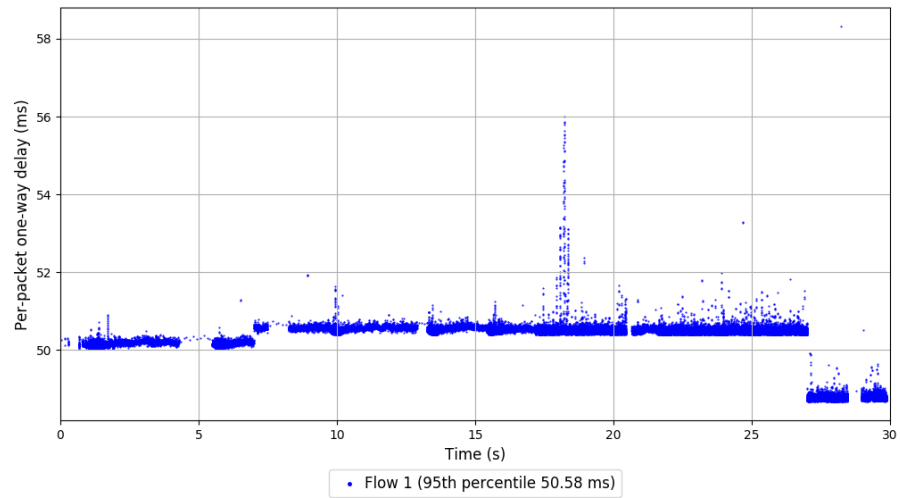
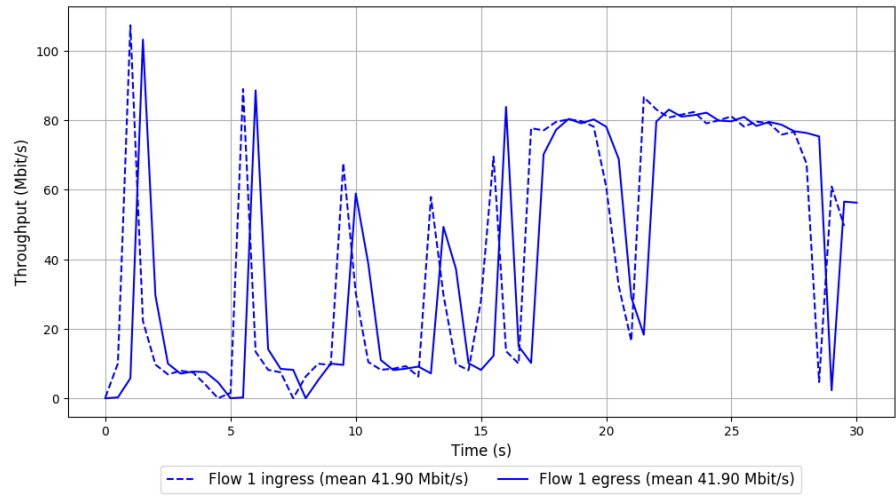
-- Flow 1:

Average throughput: 41.90 Mbit/s

95th percentile per-packet one-way delay: 50.578 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

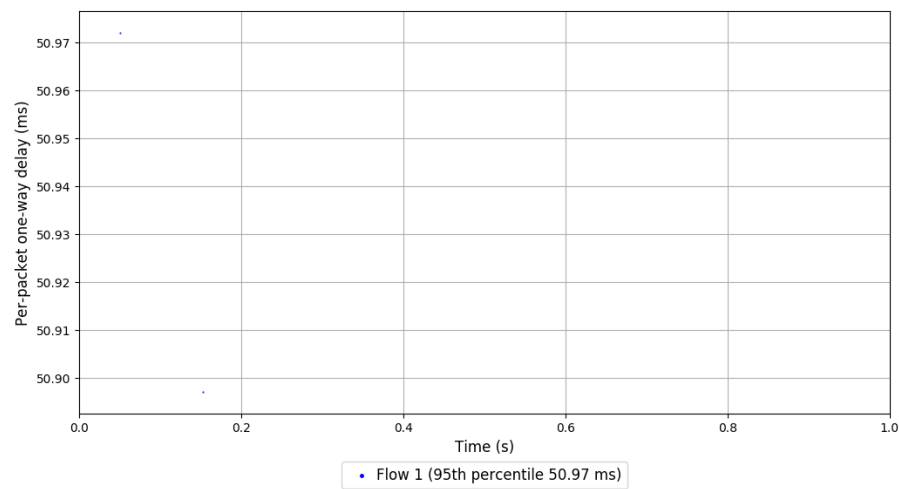
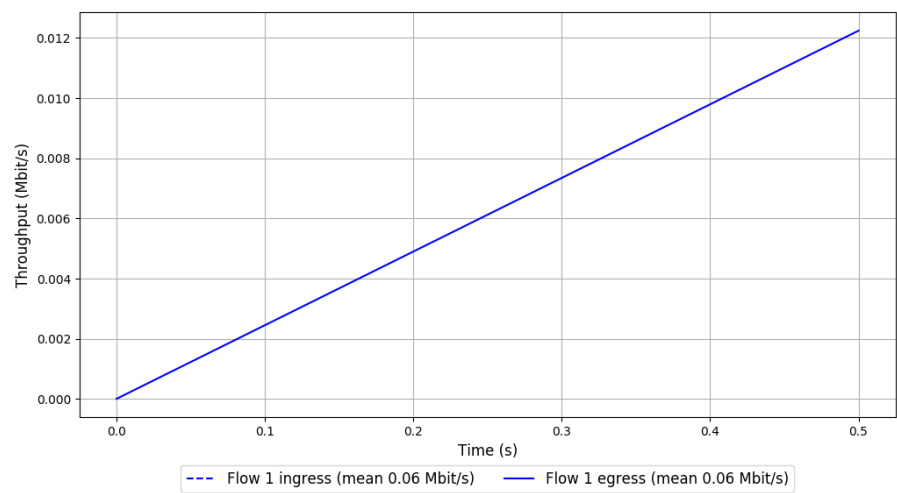
Start at: 2018-07-12 01:03:50

End at: 2018-07-12 01:04:20

Local clock offset: -0.039 ms

Remote clock offset: -0.037 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

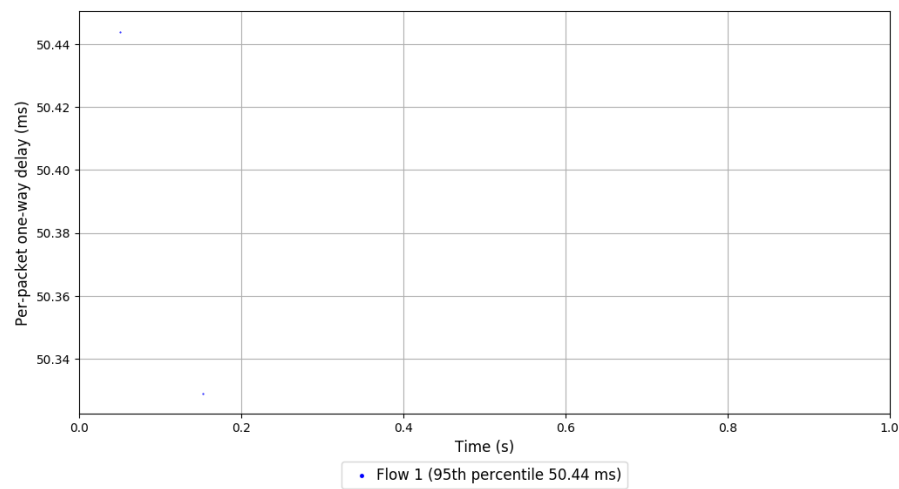
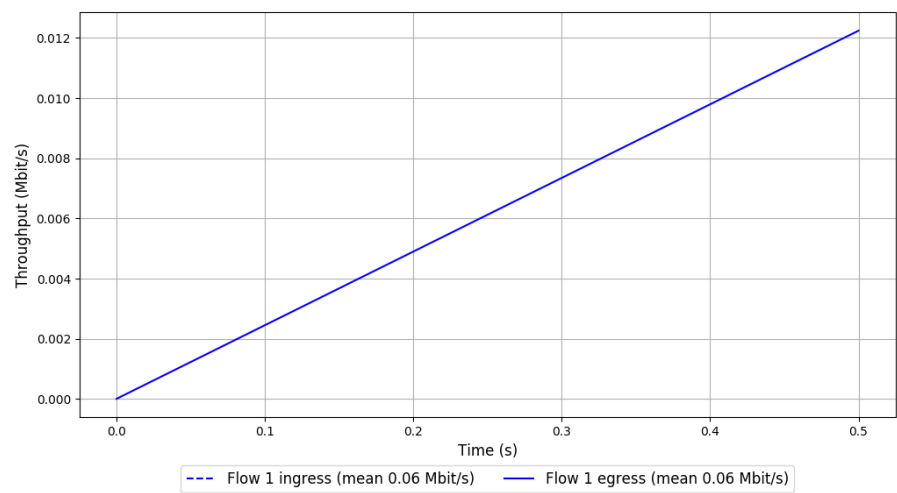
Start at: 2018-07-12 01:26:11

End at: 2018-07-12 01:26:41

Local clock offset: 0.291 ms

Remote clock offset: 0.002 ms

Run 10: Report of QUIC Cubic — Data Link

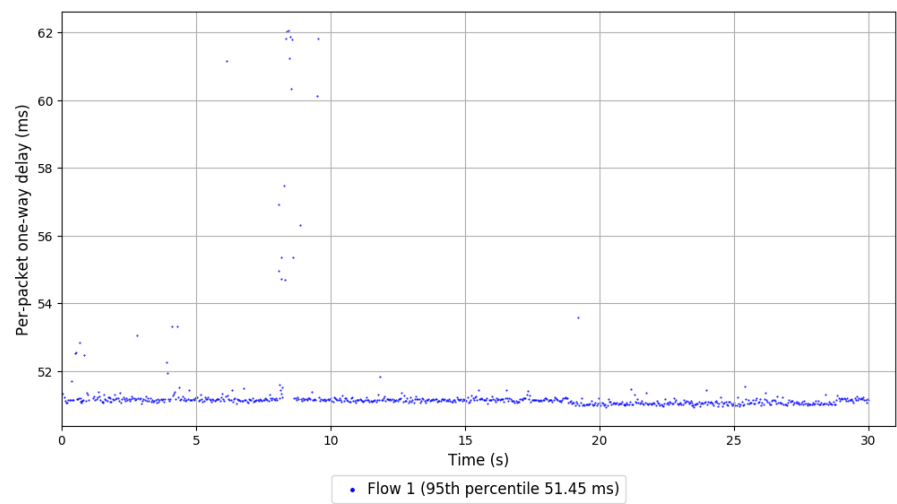
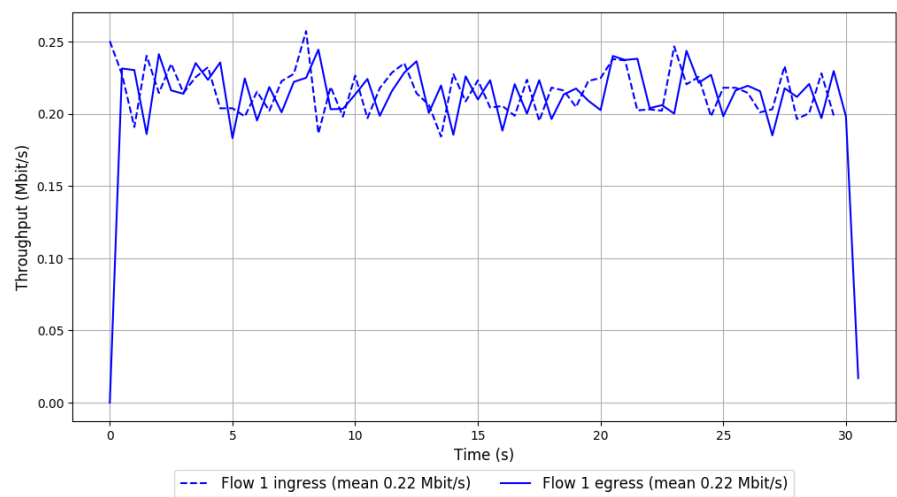


Run 1: Statistics of SCReAM

Start at: 2018-07-11 22:19:35
End at: 2018-07-11 22:20:05
Local clock offset: -0.044 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-12 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.447 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

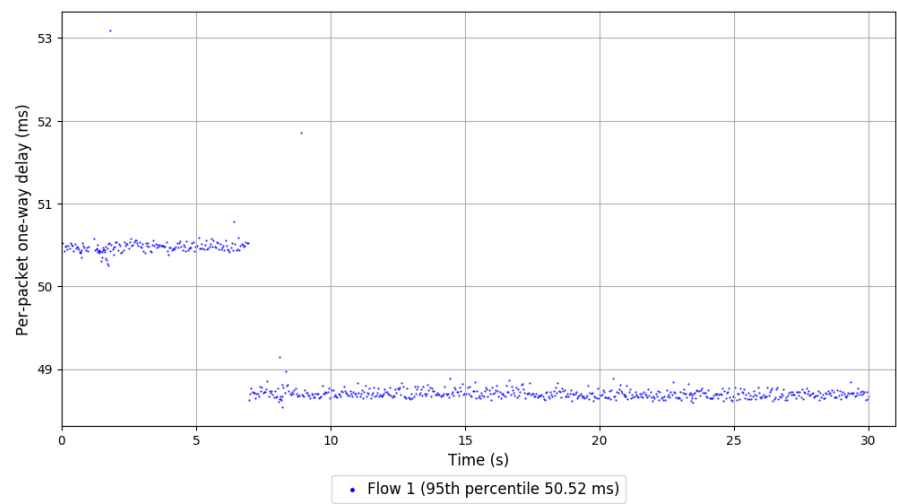
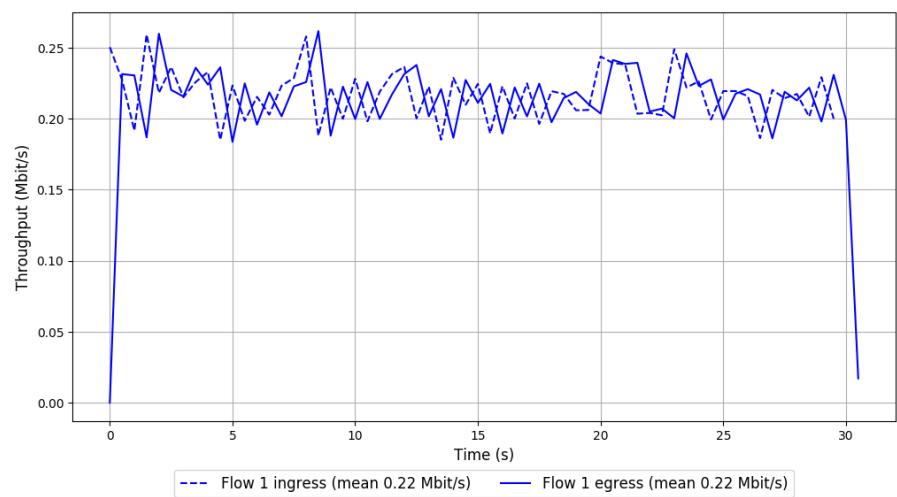


Run 2: Statistics of SCReAM

Start at: 2018-07-11 22:41:47
End at: 2018-07-11 22:42:17
Local clock offset: 0.294 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.519 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-11 23:03:55

End at: 2018-07-11 23:04:25

Local clock offset: -0.058 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 0.00%

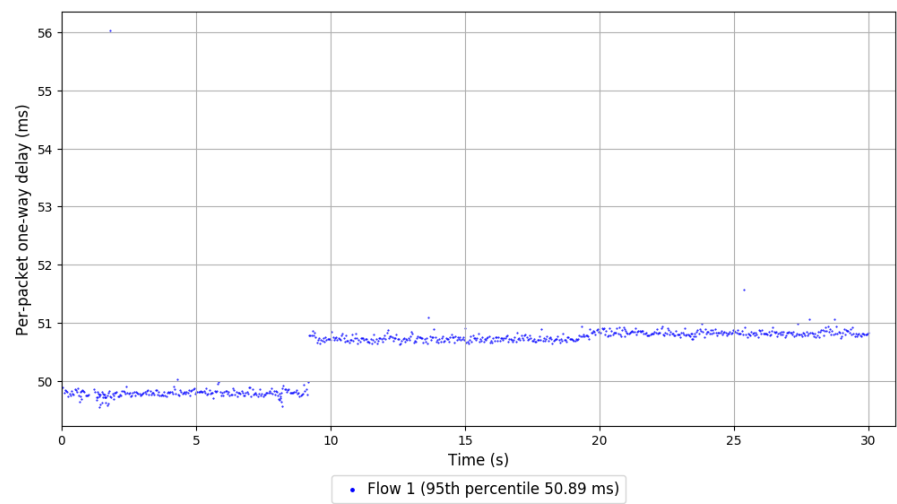
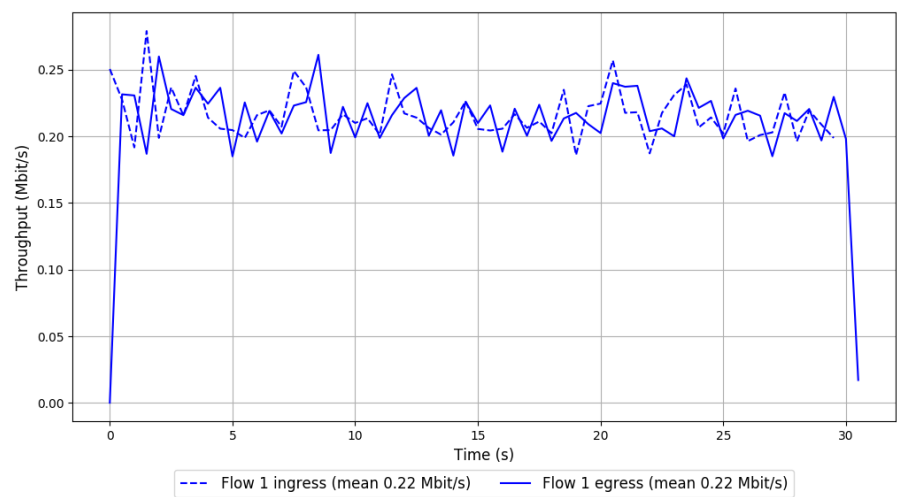
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-11 23:26:01

End at: 2018-07-11 23:26:31

Local clock offset: -0.072 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.012 ms

Loss rate: 0.00%

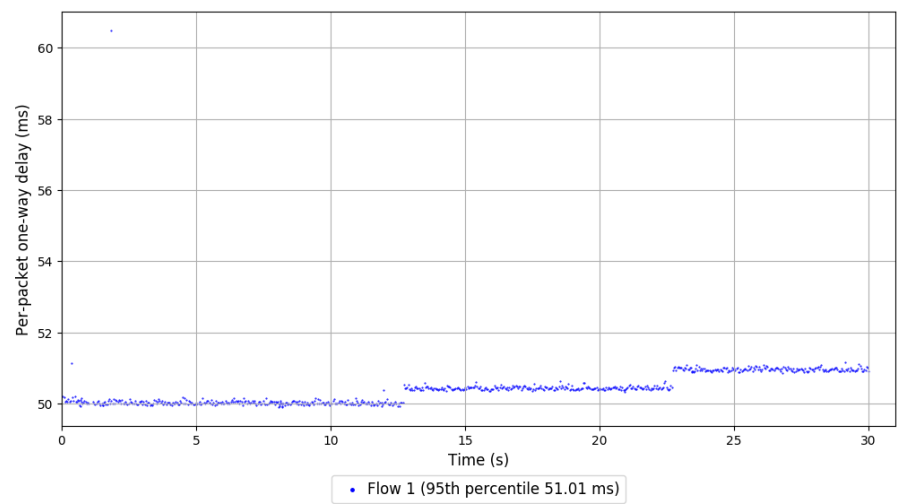
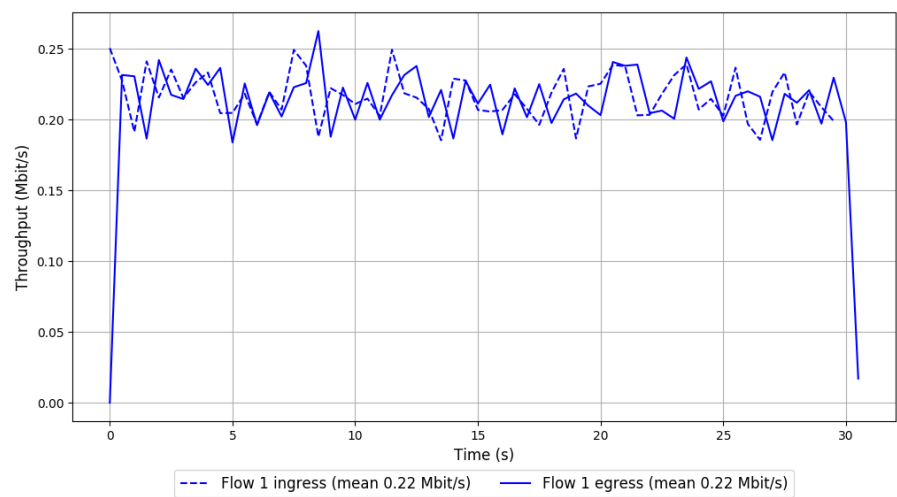
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.012 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-11 23:48:11

End at: 2018-07-11 23:48:41

Local clock offset: -0.394 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.197 ms

Loss rate: 0.00%

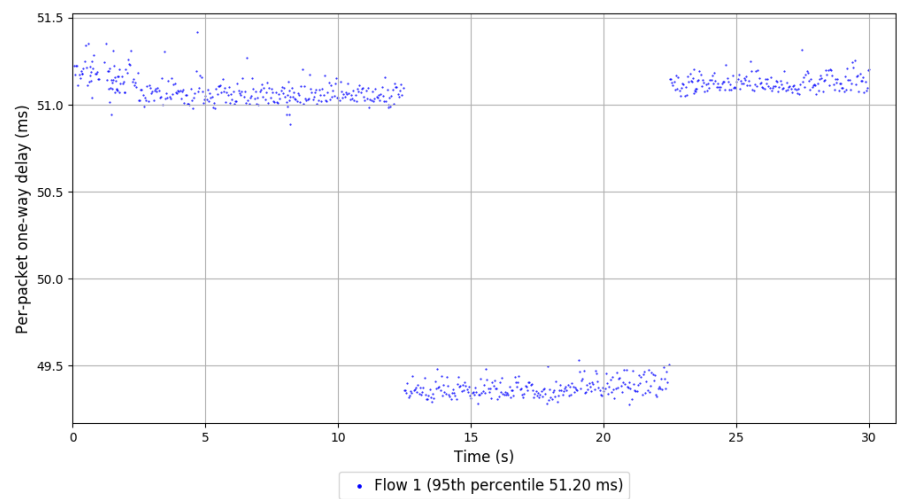
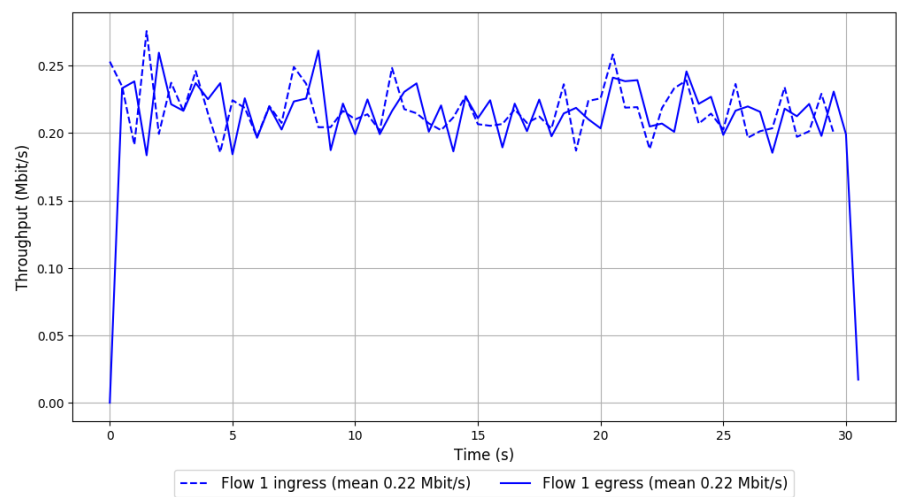
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.197 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-12 00:10:23

End at: 2018-07-12 00:10:53

Local clock offset: -0.067 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.767 ms

Loss rate: 0.00%

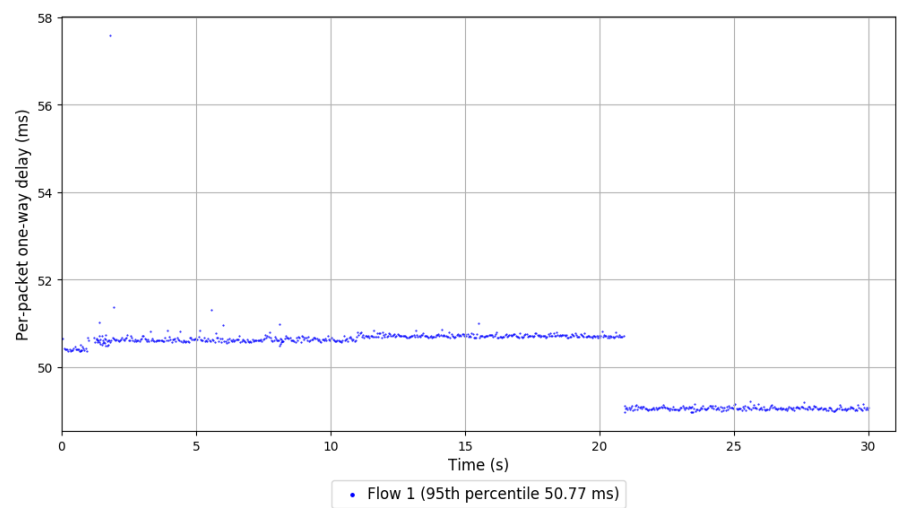
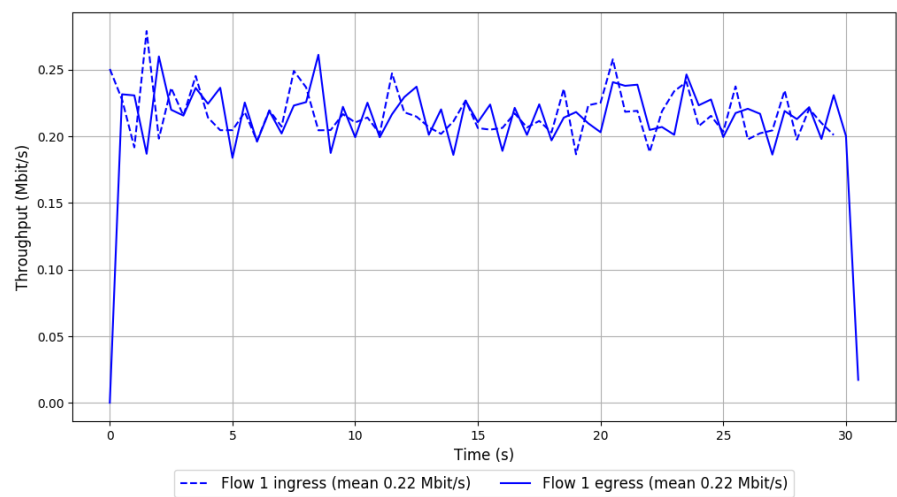
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.767 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

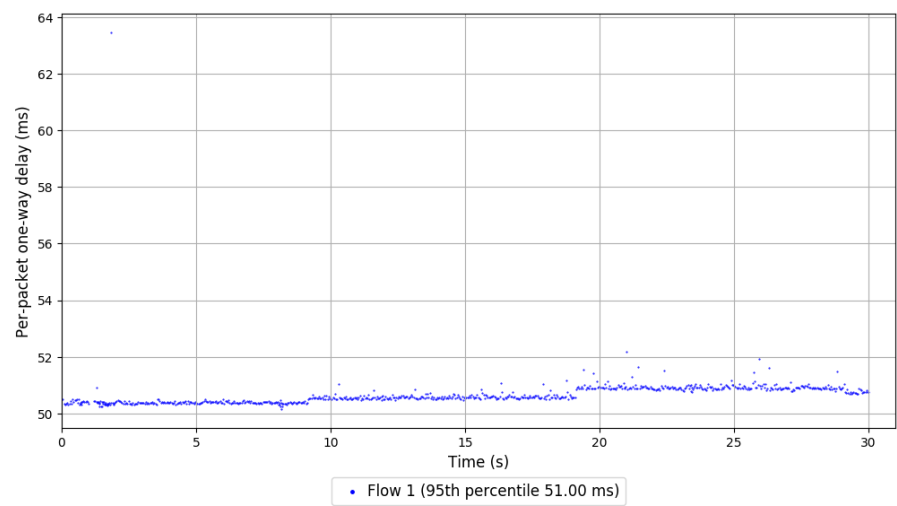
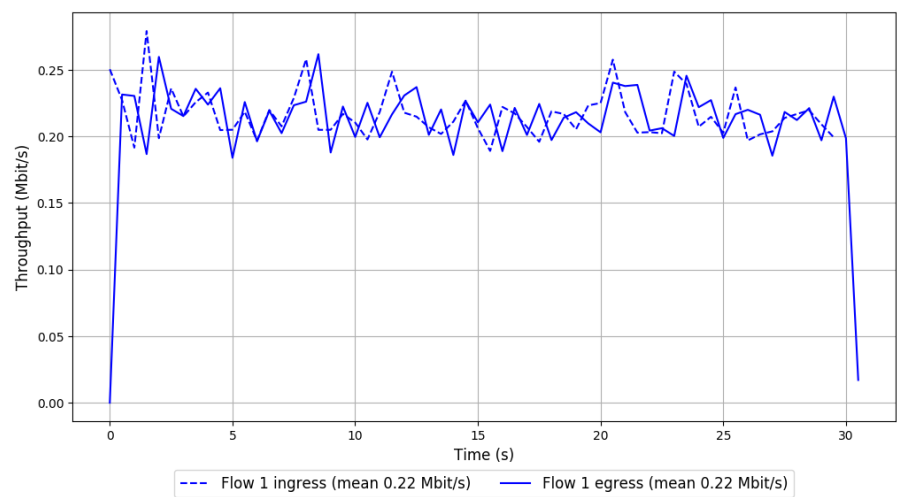


Run 7: Statistics of SCReAM

Start at: 2018-07-12 00:32:35
End at: 2018-07-12 00:33:05
Local clock offset: -0.048 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-12 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.001 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-12 00:54:40

End at: 2018-07-12 00:55:10

Local clock offset: -0.007 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-12 03:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.00%

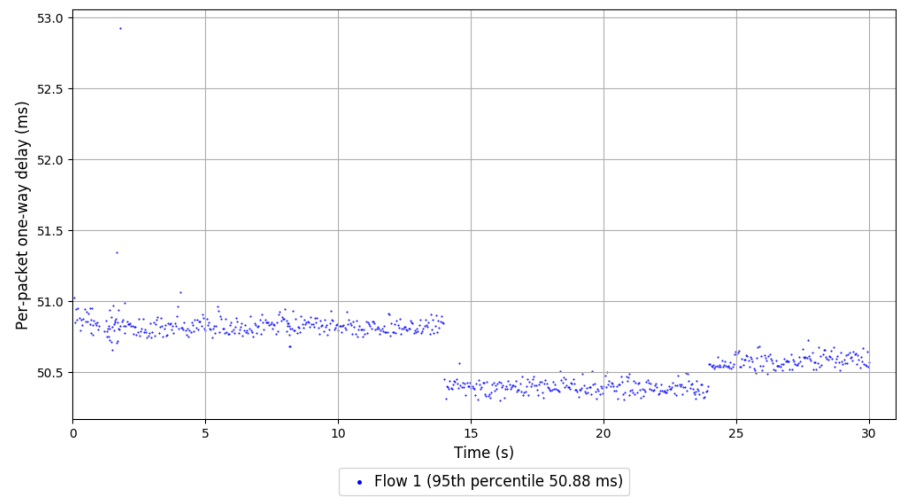
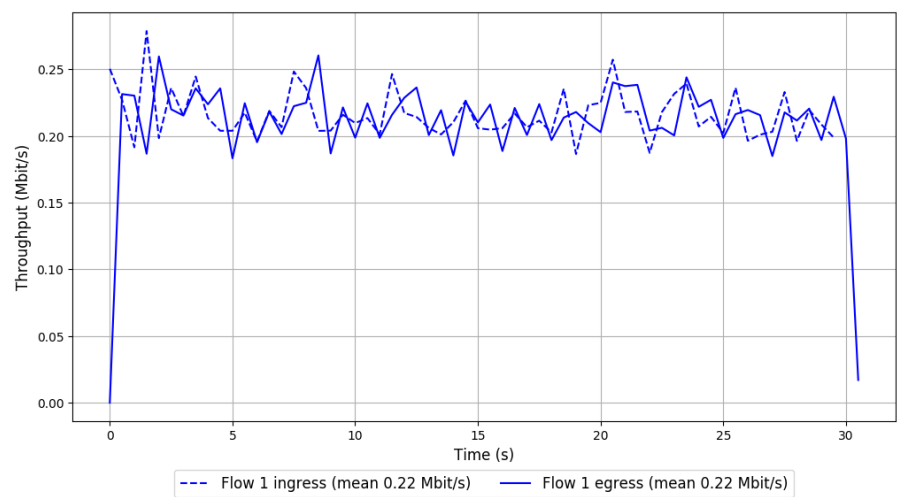
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

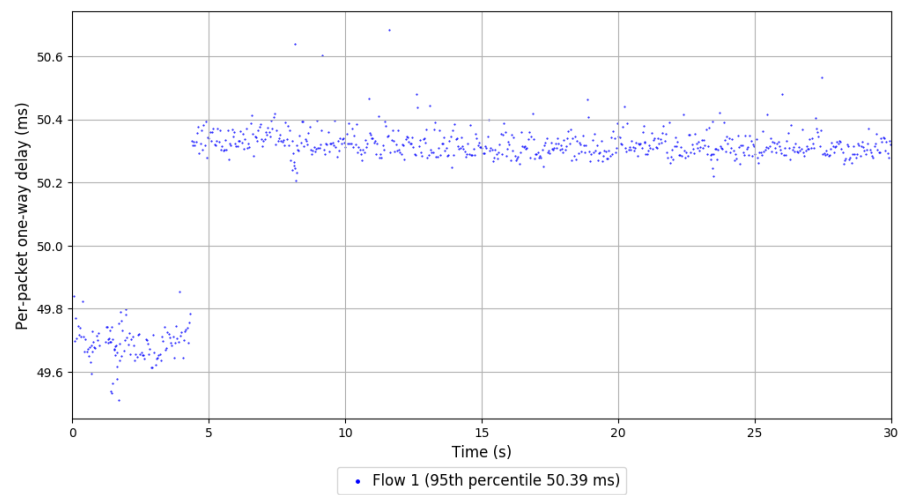
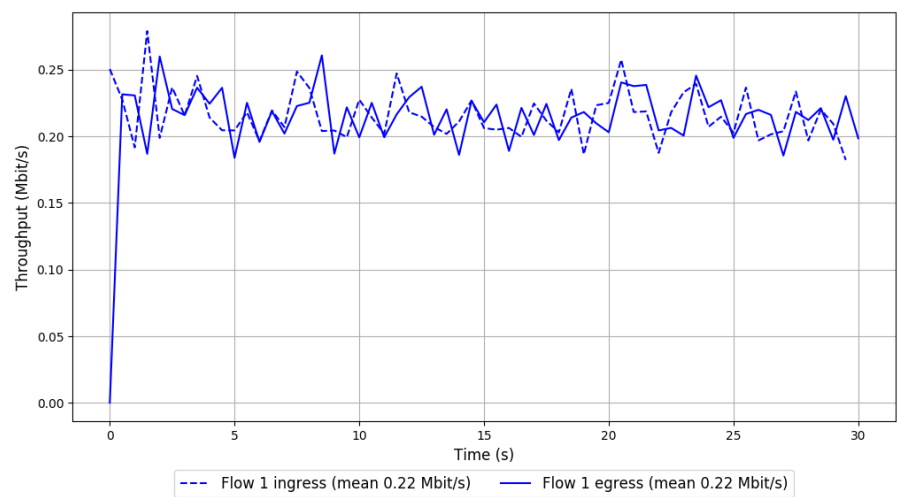


Run 9: Statistics of SCReAM

Start at: 2018-07-12 01:16:59
End at: 2018-07-12 01:17:29
Local clock offset: -0.023 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-12 03:22:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.387 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

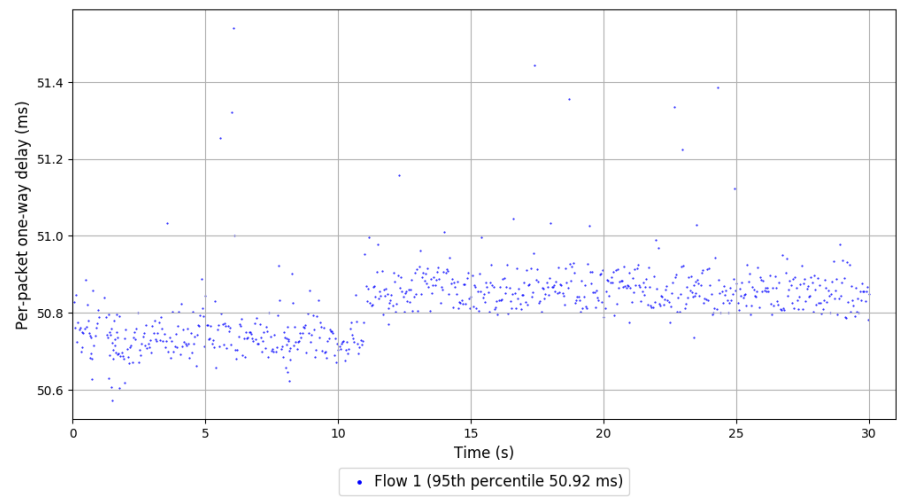
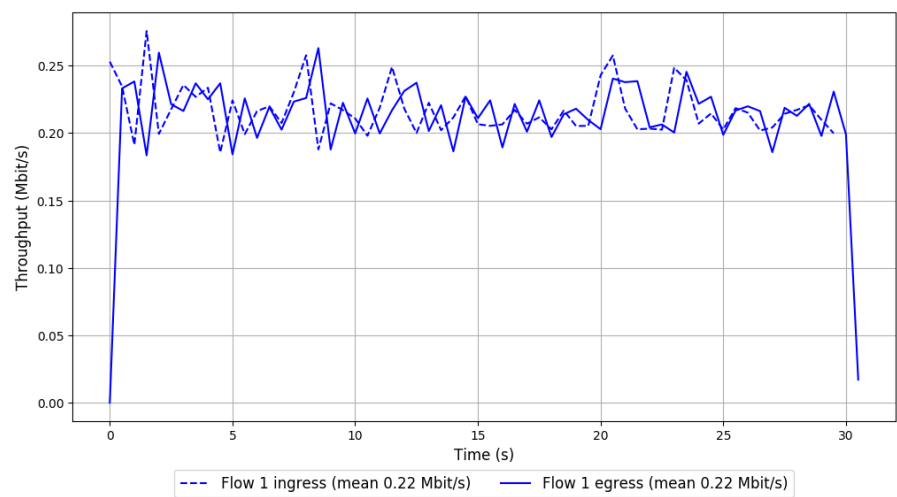


Run 10: Statistics of SCReAM

Start at: 2018-07-12 01:39:03
End at: 2018-07-12 01:39:33
Local clock offset: -0.093 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.925 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

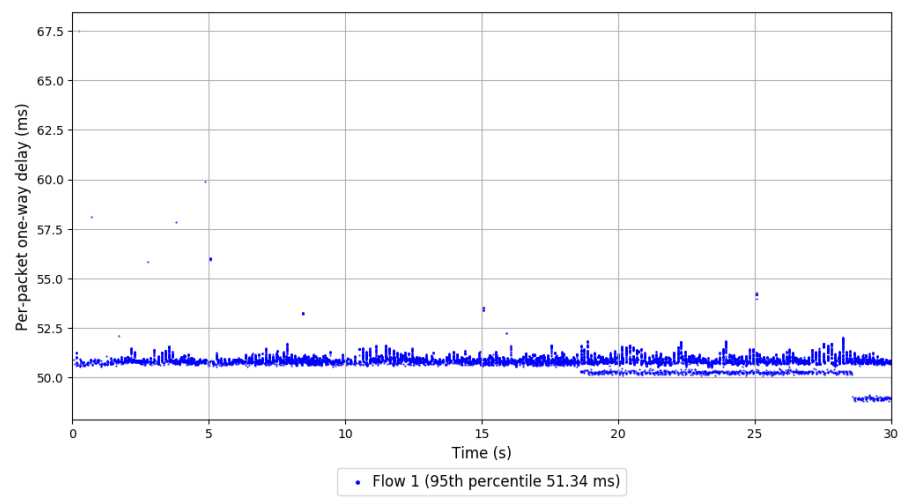
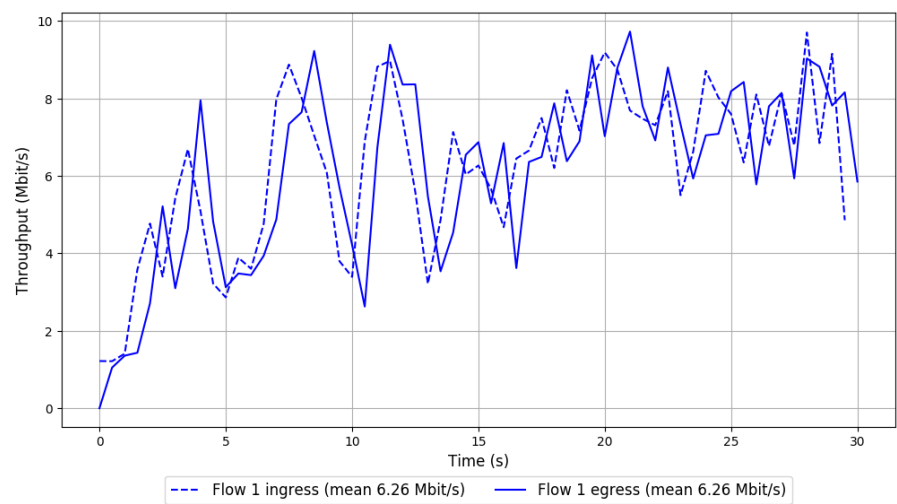


Run 1: Statistics of Sprout

Start at: 2018-07-11 22:07:45
End at: 2018-07-11 22:08:15
Local clock offset: -0.014 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 51.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 51.338 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-11 22:29:50

End at: 2018-07-11 22:30:21

Local clock offset: -0.05 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 03:22:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 50.845 ms

Loss rate: 0.00%

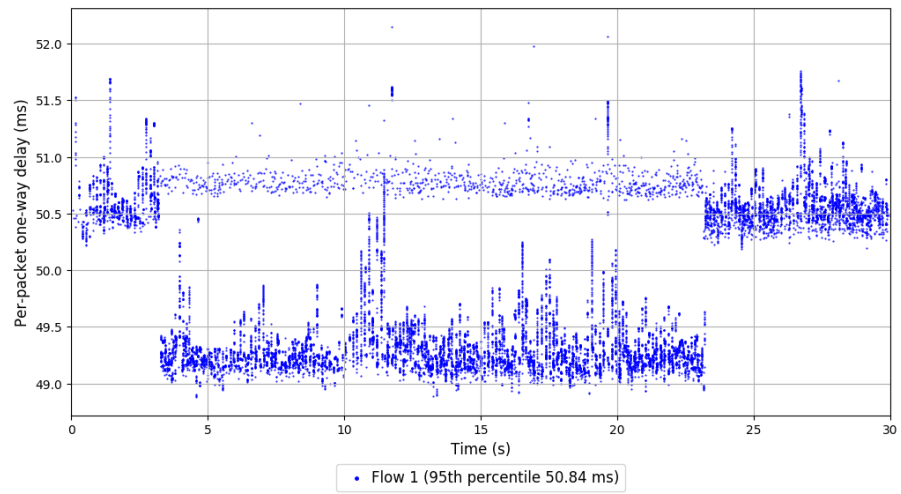
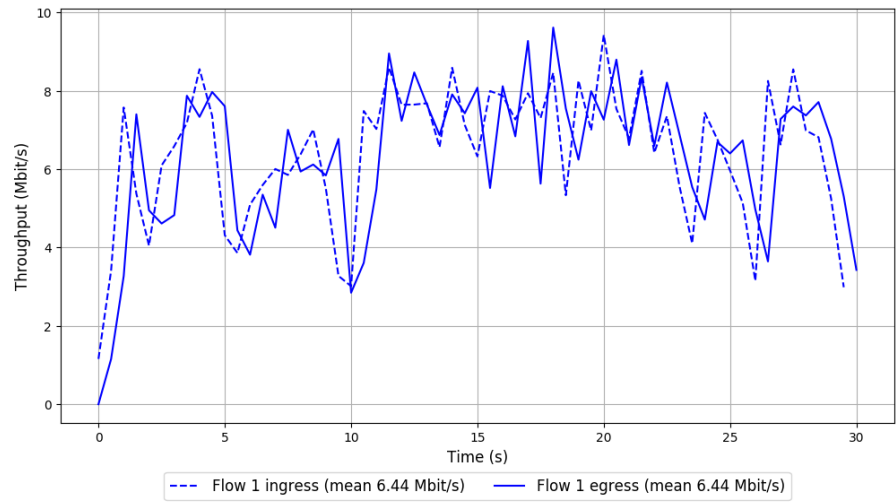
-- Flow 1:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 50.845 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

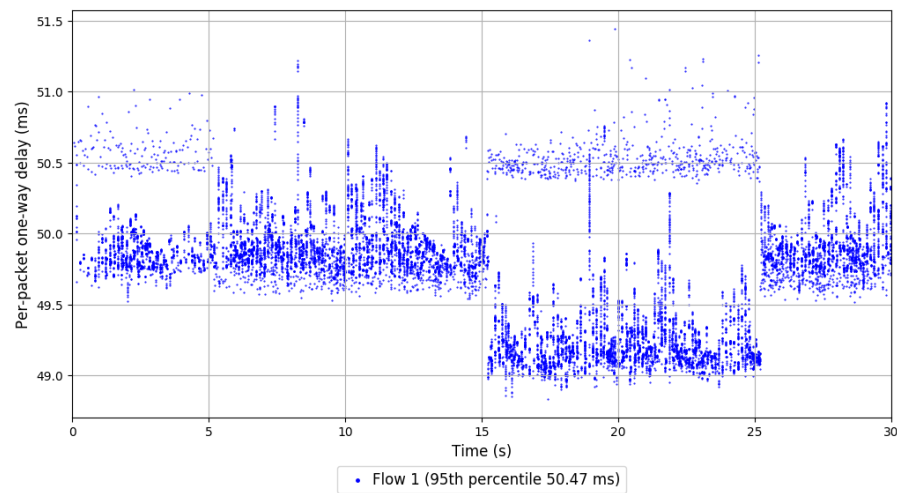
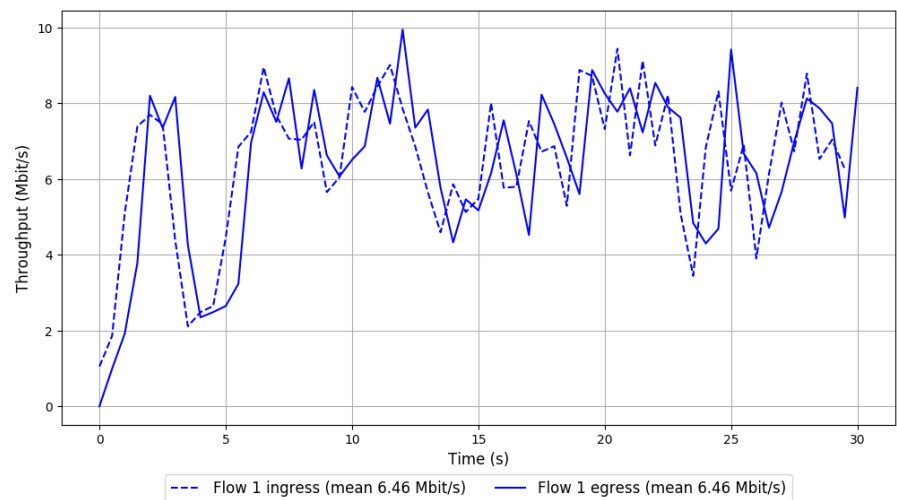


Run 3: Statistics of Sprout

Start at: 2018-07-11 22:51:48
End at: 2018-07-11 22:52:19
Local clock offset: -0.029 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 50.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 50.470 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

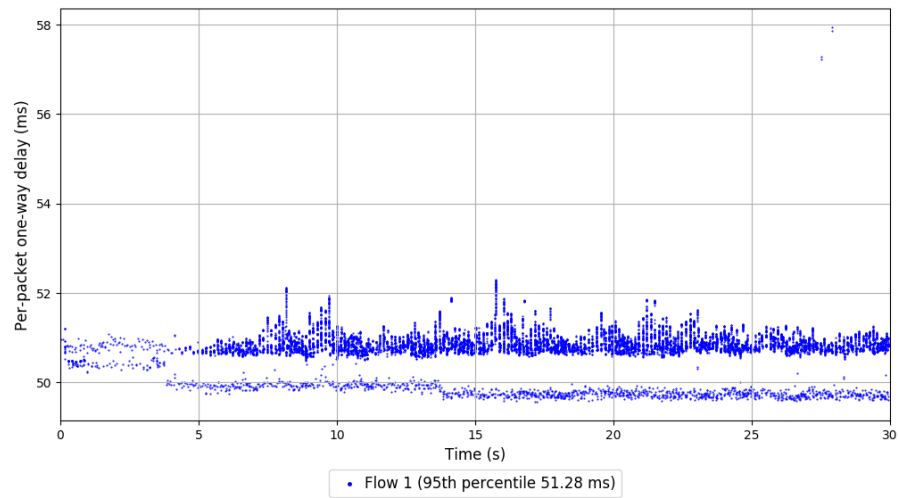
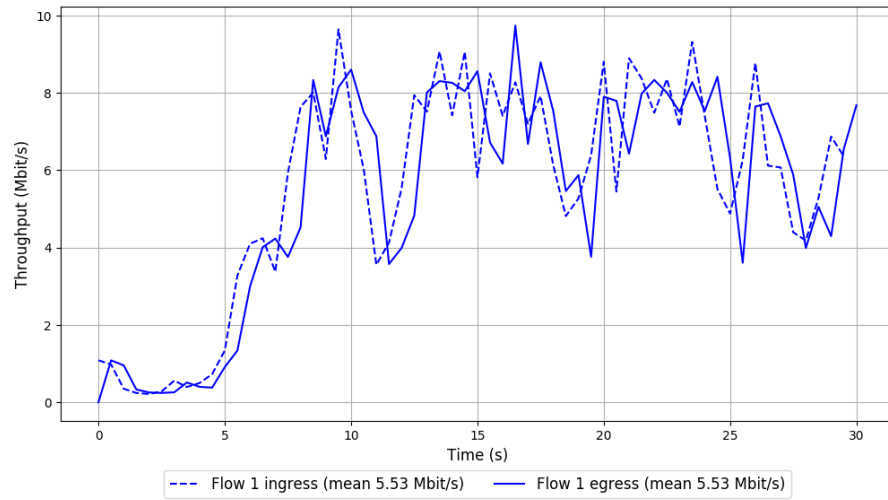


Run 4: Statistics of Sprout

Start at: 2018-07-11 23:14:20
End at: 2018-07-11 23:14:50
Local clock offset: -0.007 ms
Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 51.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 51.280 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-11 23:36:20

End at: 2018-07-11 23:36:50

Local clock offset: -0.054 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-12 03:22:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 51.155 ms

Loss rate: 0.00%

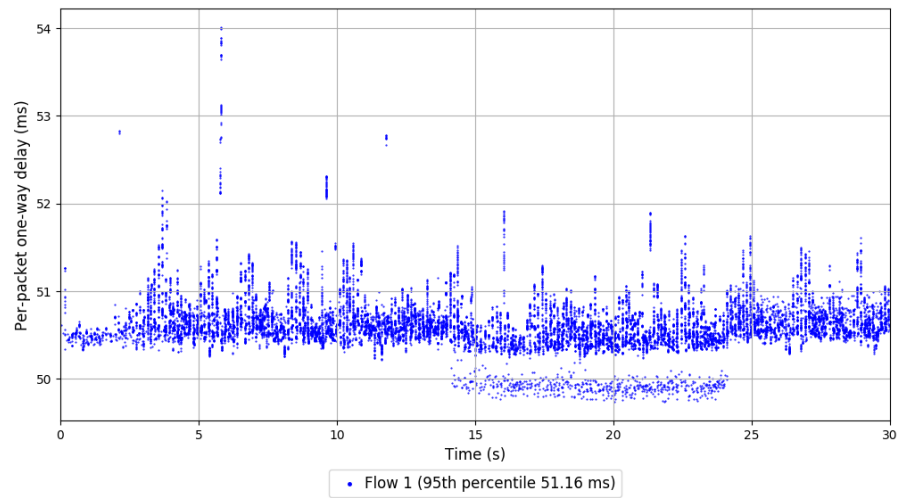
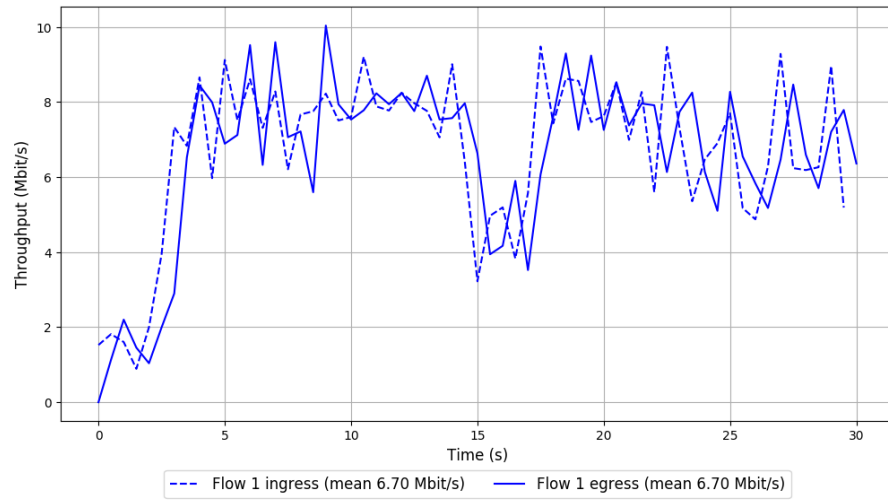
-- Flow 1:

Average throughput: 6.70 Mbit/s

95th percentile per-packet one-way delay: 51.155 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-11 23:58:28

End at: 2018-07-11 23:58:58

Local clock offset: -0.047 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-12 03:22:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 51.321 ms

Loss rate: 0.00%

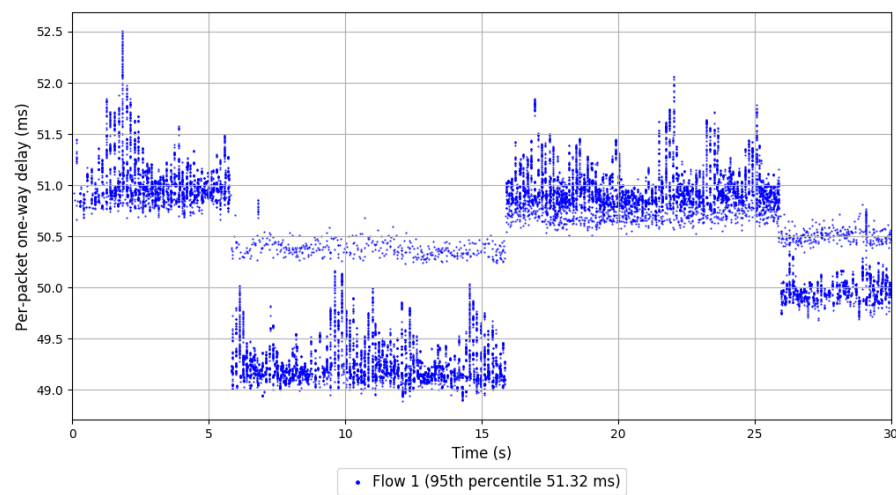
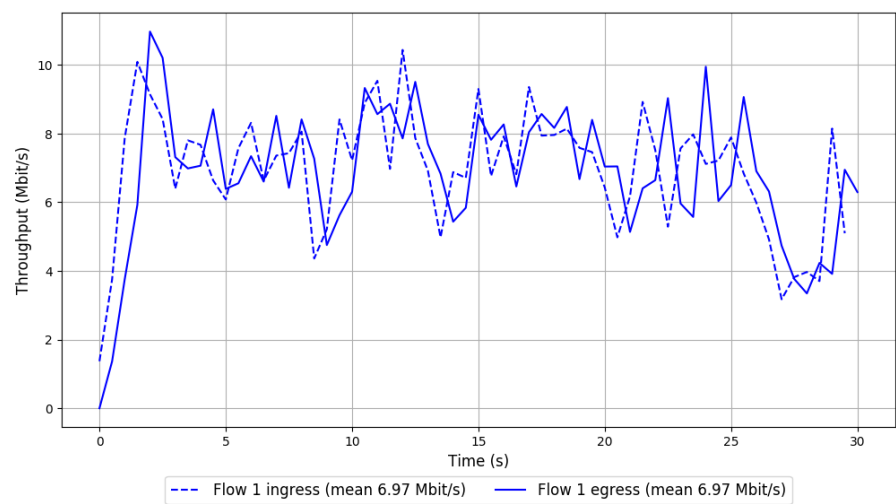
-- Flow 1:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 51.321 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-12 00:20:45

End at: 2018-07-12 00:21:15

Local clock offset: -0.014 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-12 03:22:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 51.238 ms

Loss rate: 0.00%

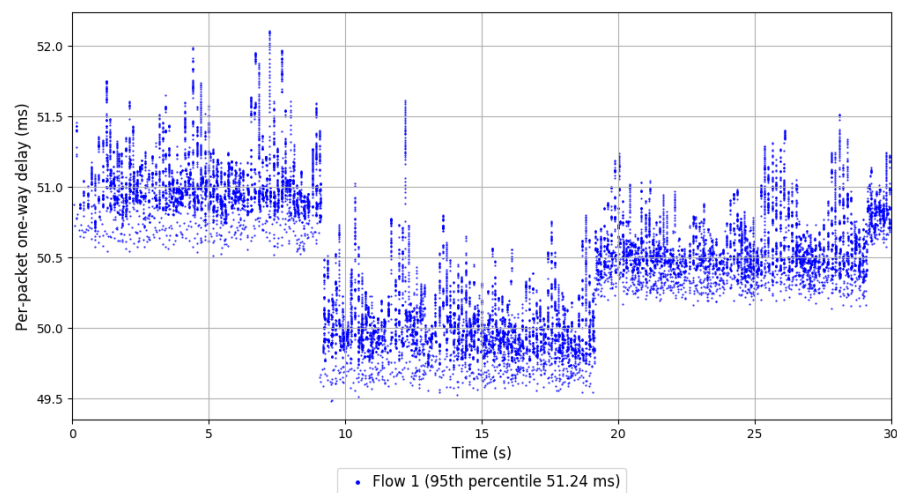
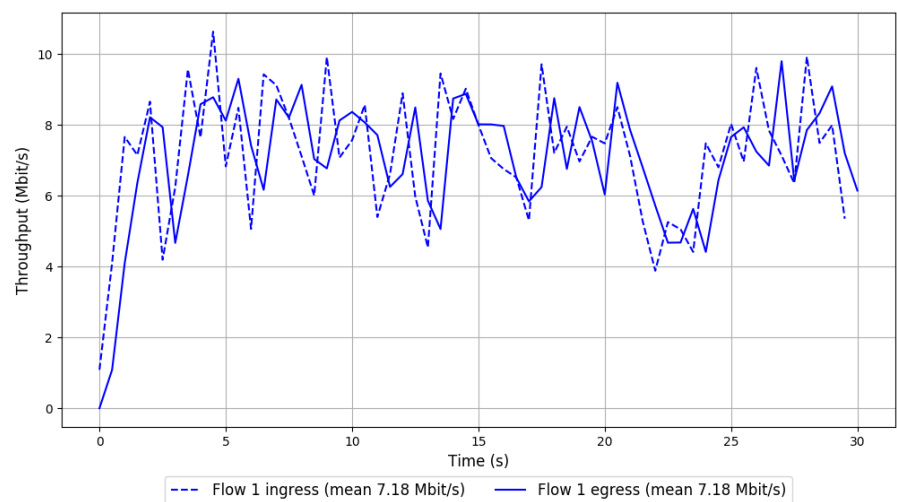
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 51.238 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

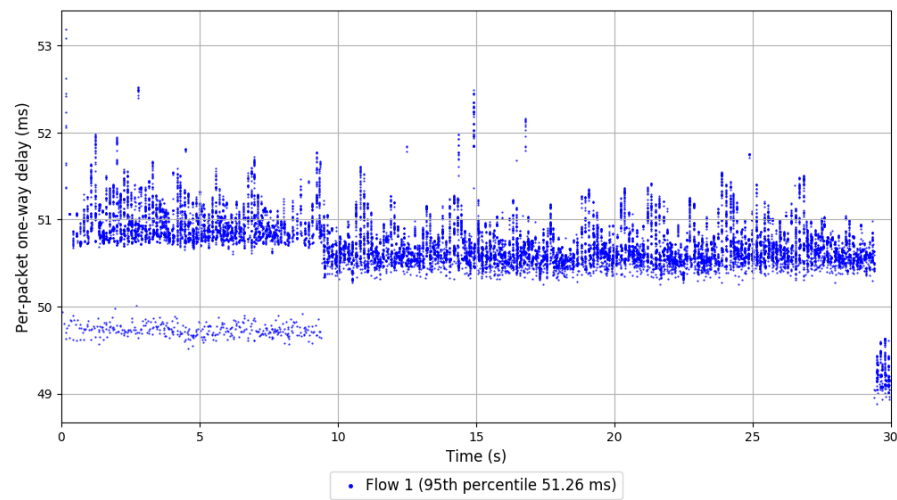
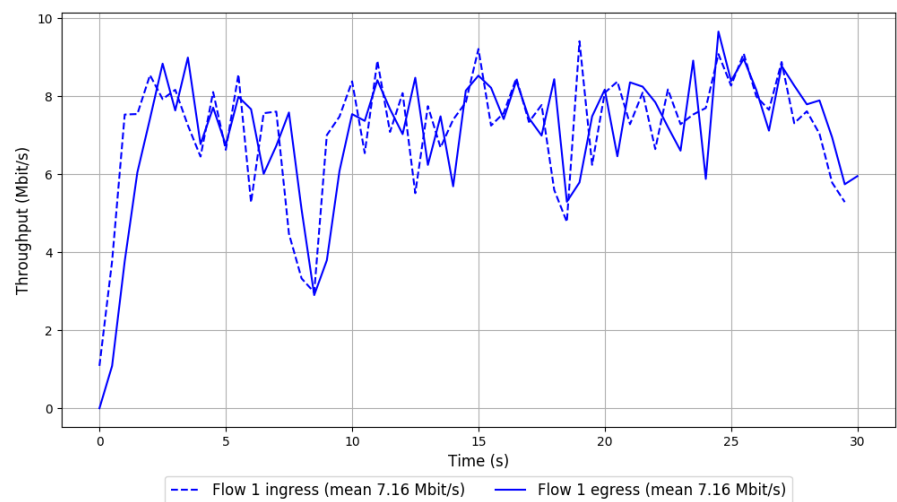


Run 8: Statistics of Sprout

Start at: 2018-07-12 00:42:54
End at: 2018-07-12 00:43:24
Local clock offset: -0.008 ms
Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

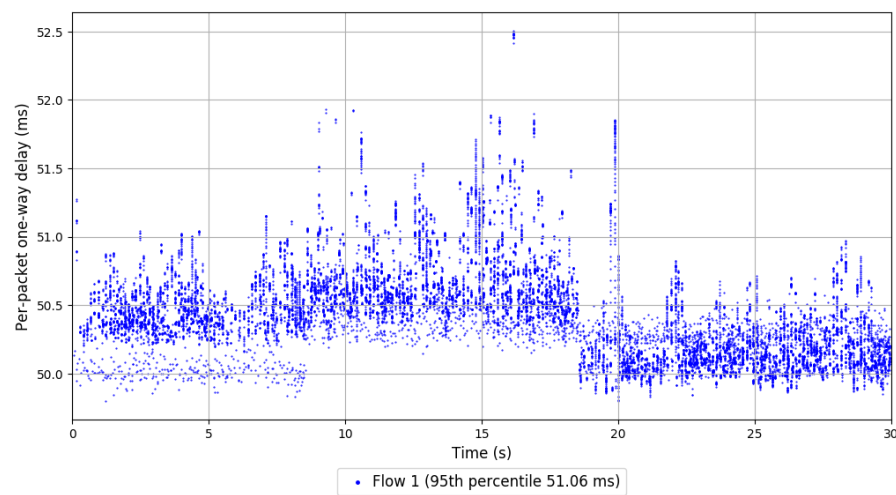
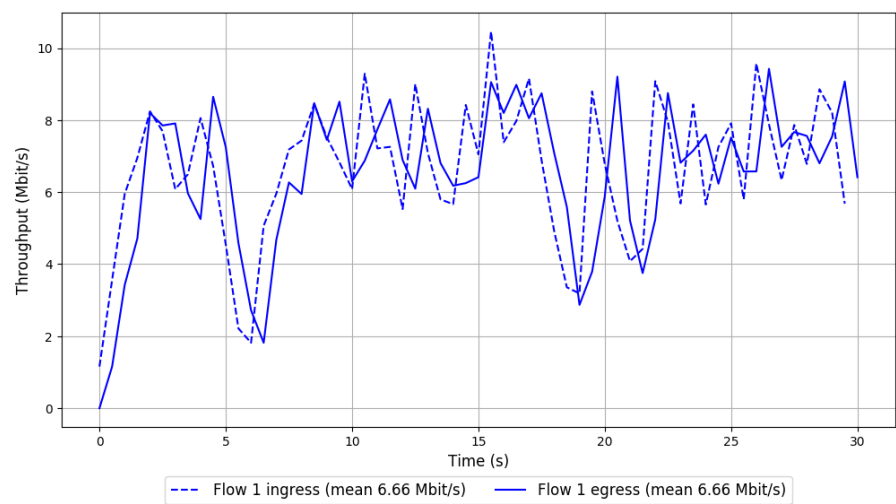


Run 9: Statistics of Sprout

Start at: 2018-07-12 01:04:55
End at: 2018-07-12 01:05:25
Local clock offset: 0.327 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 51.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 51.058 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

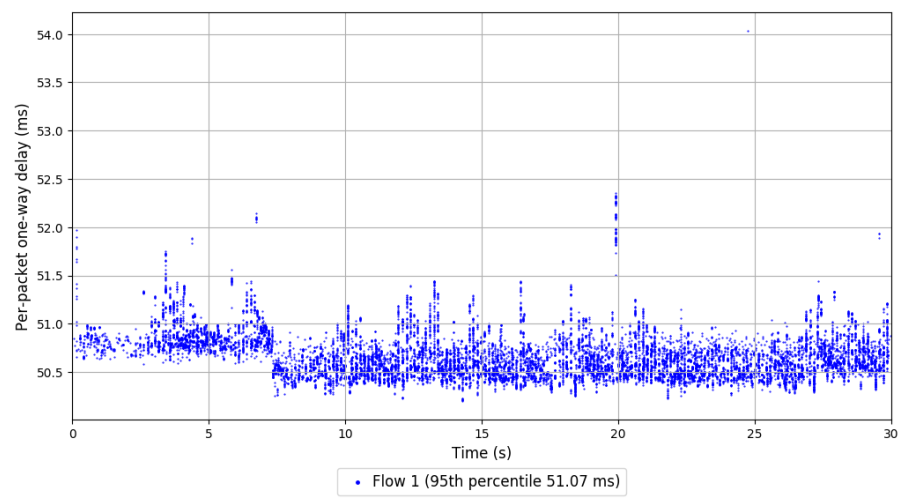
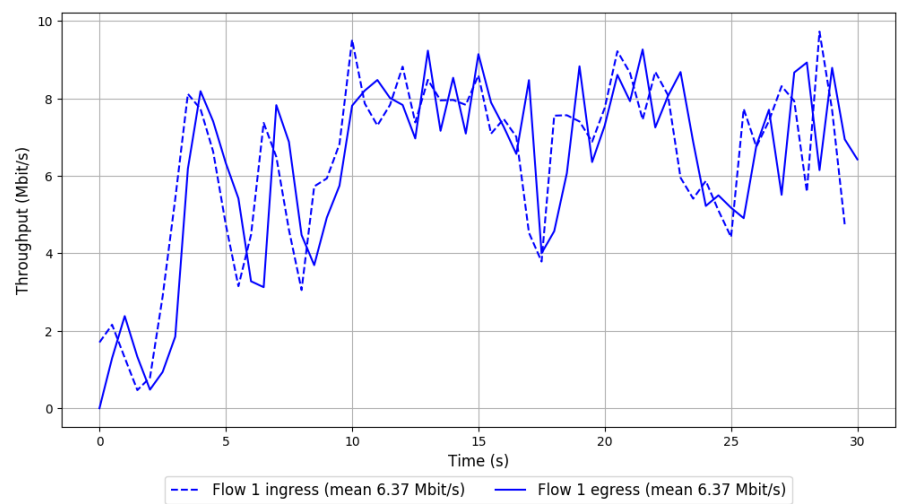


Run 10: Statistics of Sprout

Start at: 2018-07-12 01:27:16
End at: 2018-07-12 01:27:46
Local clock offset: -0.065 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 03:22:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 51.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 51.068 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

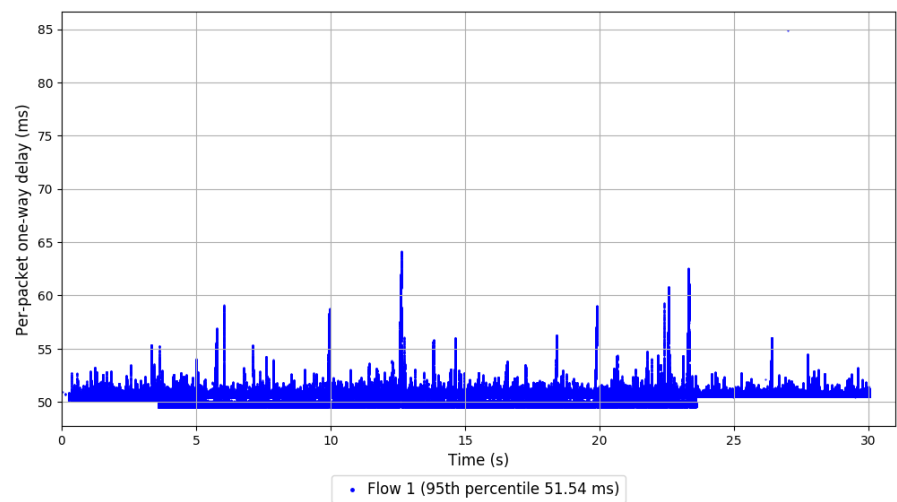
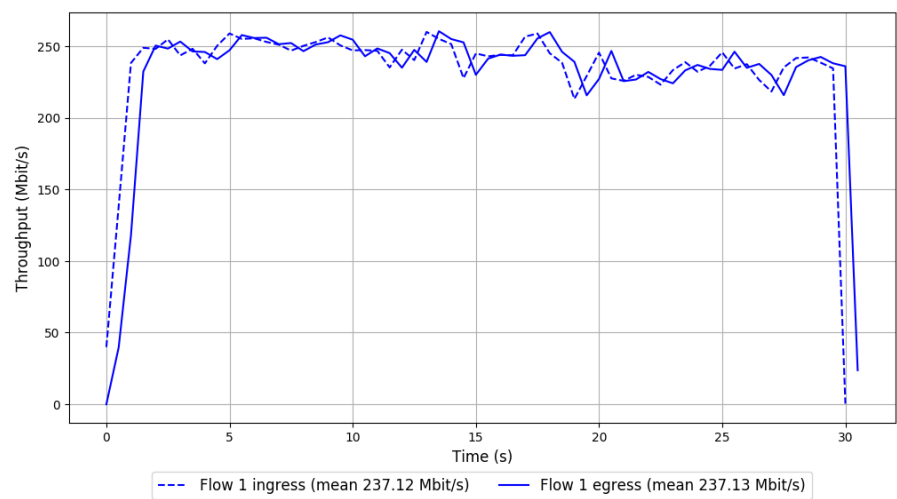


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-11 22:20:40
End at: 2018-07-11 22:21:10
Local clock offset: -0.021 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 03:27:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.13 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.13 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-11 22:42:52

End at: 2018-07-11 22:43:22

Local clock offset: -0.032 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-12 03:27:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 59.350 ms

Loss rate: 0.00%

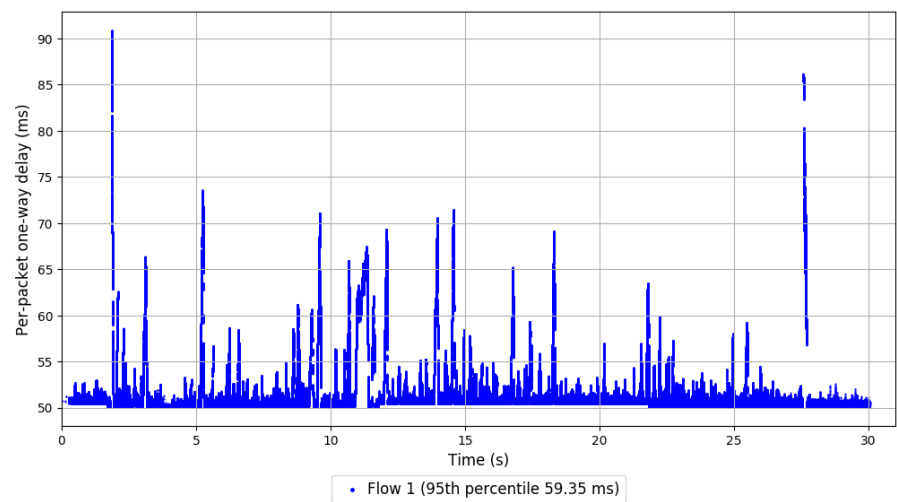
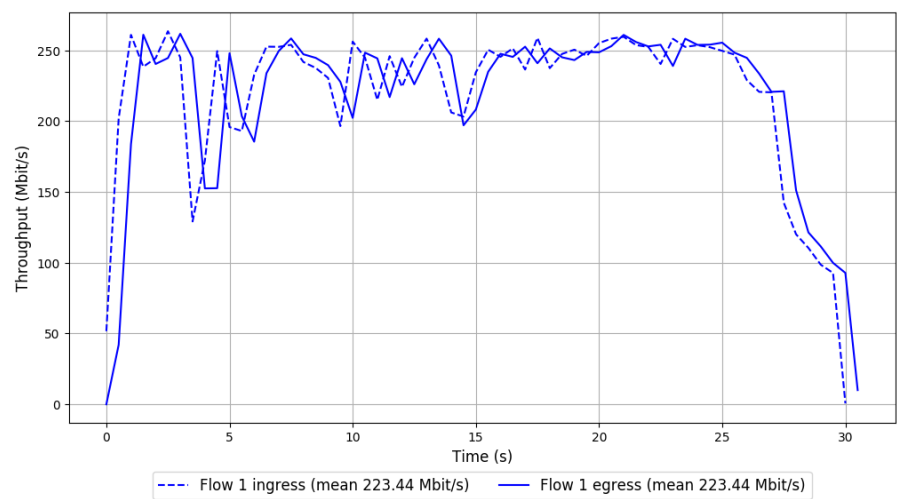
-- Flow 1:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 59.350 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-11 23:05:00

End at: 2018-07-11 23:05:30

Local clock offset: -0.073 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-12 03:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.15 Mbit/s

95th percentile per-packet one-way delay: 53.275 ms

Loss rate: 0.00%

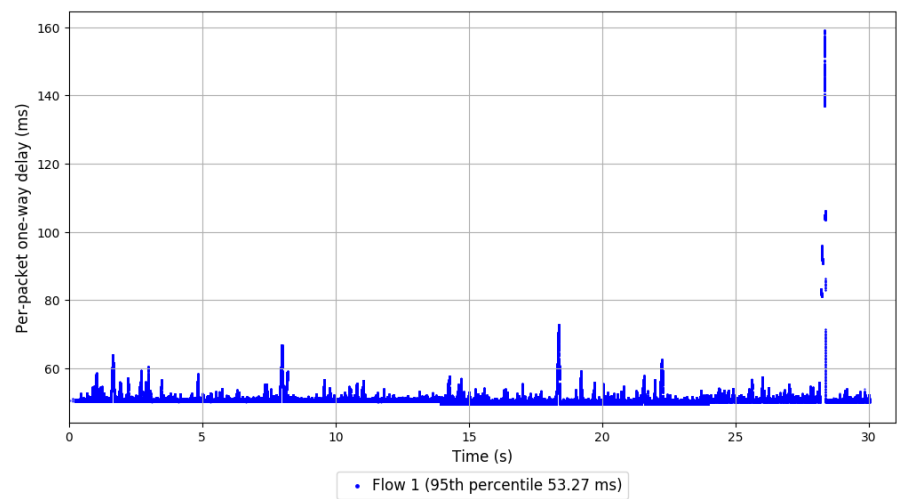
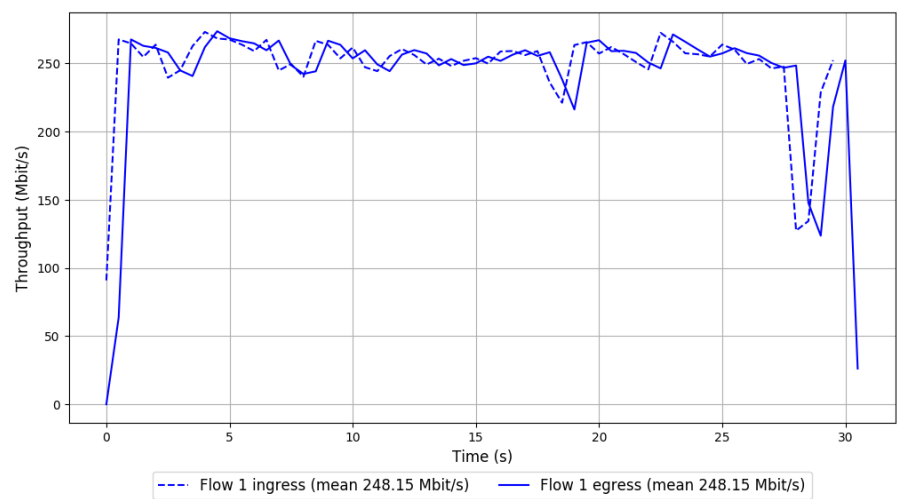
-- Flow 1:

Average throughput: 248.15 Mbit/s

95th percentile per-packet one-way delay: 53.275 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-11 23:27:06

End at: 2018-07-11 23:27:36

Local clock offset: -0.034 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-12 03:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.71 Mbit/s

95th percentile per-packet one-way delay: 51.435 ms

Loss rate: 0.00%

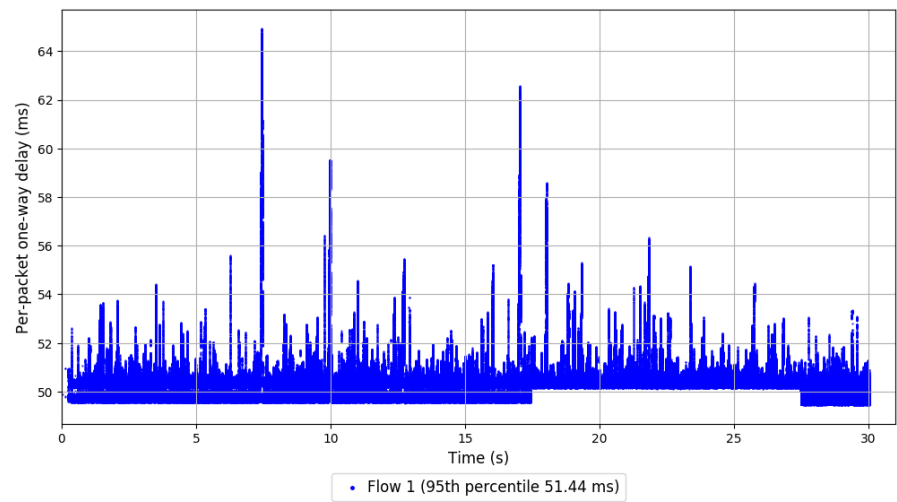
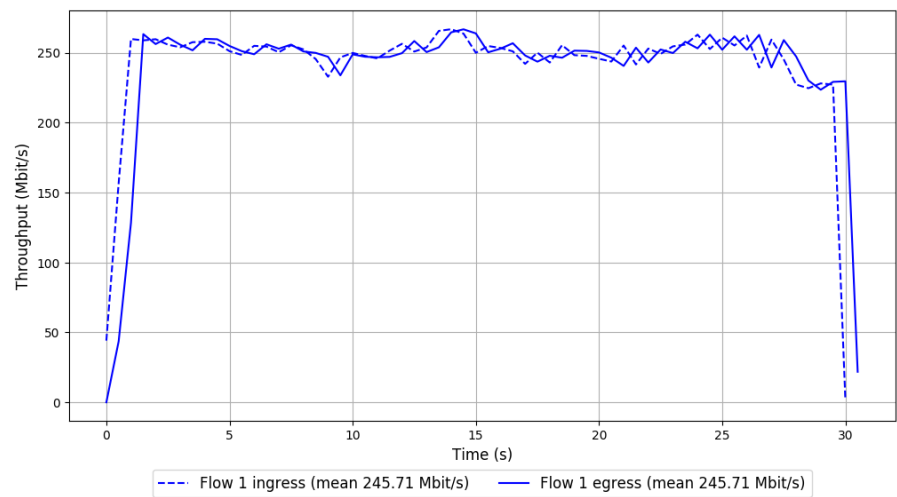
-- Flow 1:

Average throughput: 245.71 Mbit/s

95th percentile per-packet one-way delay: 51.435 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-11 23:49:16

End at: 2018-07-11 23:49:47

Local clock offset: -0.06 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-12 03:29:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.36 Mbit/s

95th percentile per-packet one-way delay: 51.670 ms

Loss rate: 0.01%

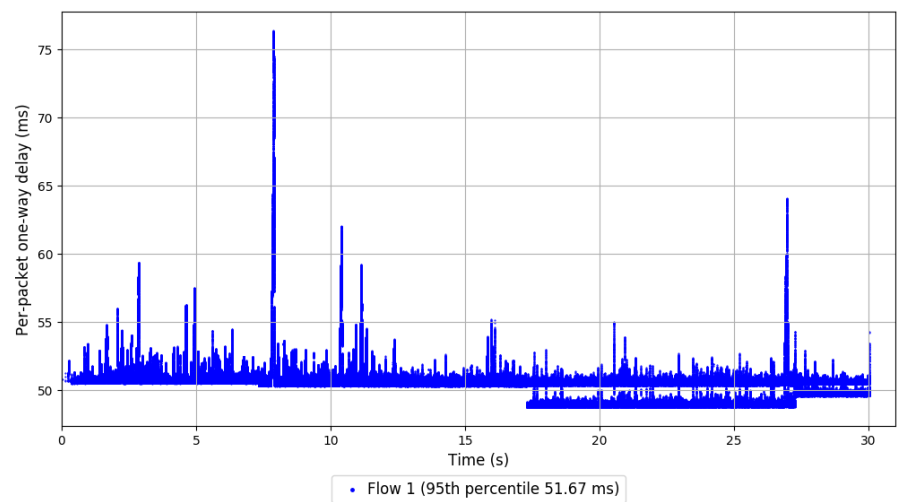
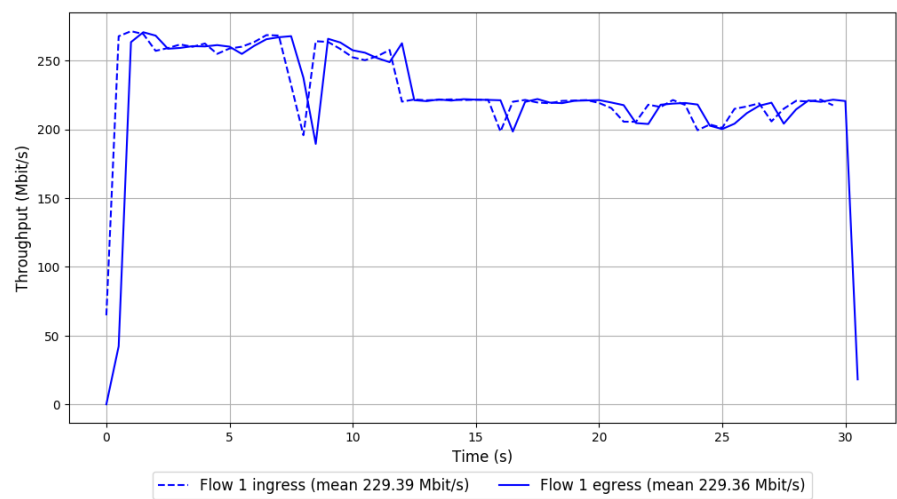
-- Flow 1:

Average throughput: 229.36 Mbit/s

95th percentile per-packet one-way delay: 51.670 ms

Loss rate: 0.01%

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

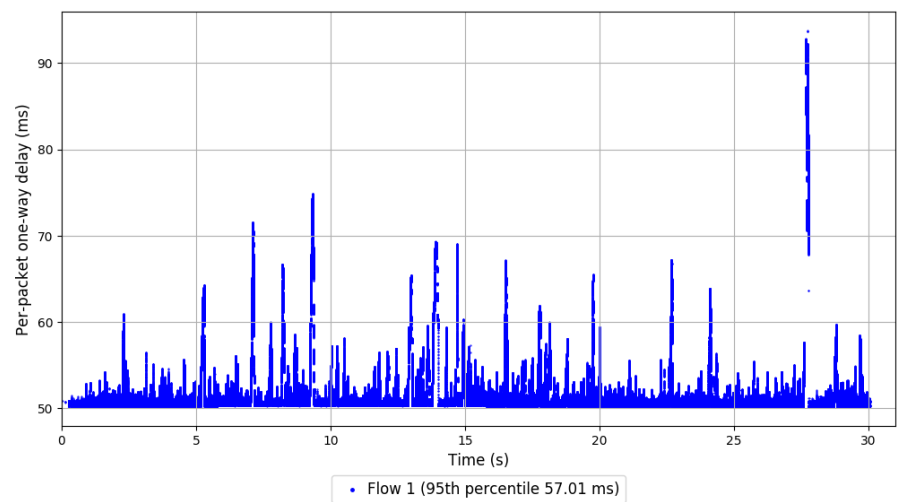
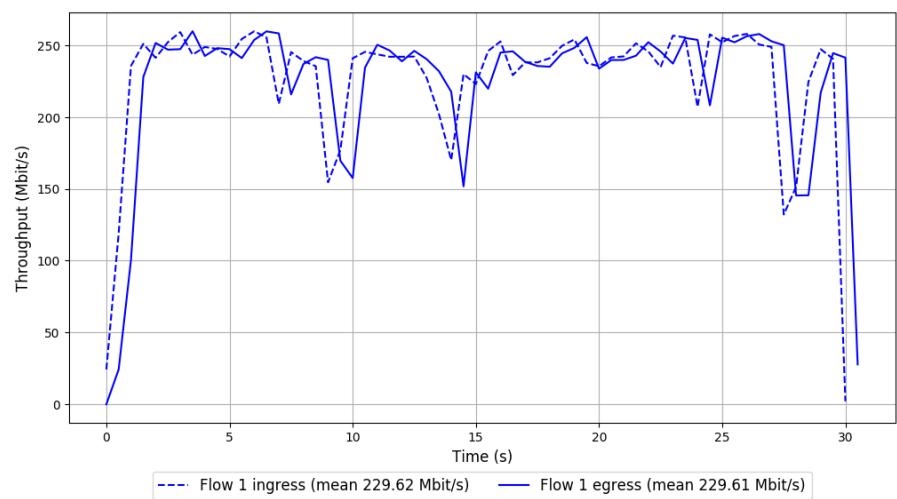


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-12 00:11:28
End at: 2018-07-12 00:11:58
Local clock offset: -0.028 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 03:29:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.61 Mbit/s
95th percentile per-packet one-way delay: 57.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.61 Mbit/s
95th percentile per-packet one-way delay: 57.013 ms
Loss rate: 0.01%

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

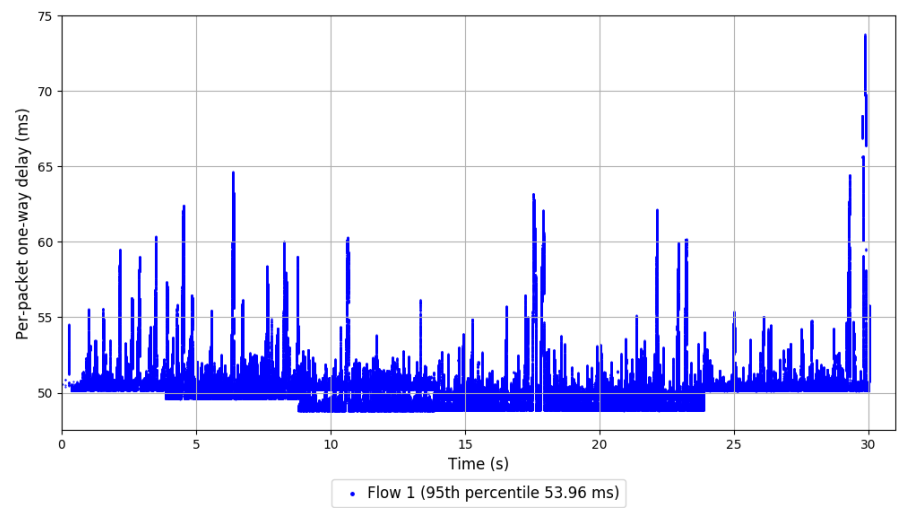
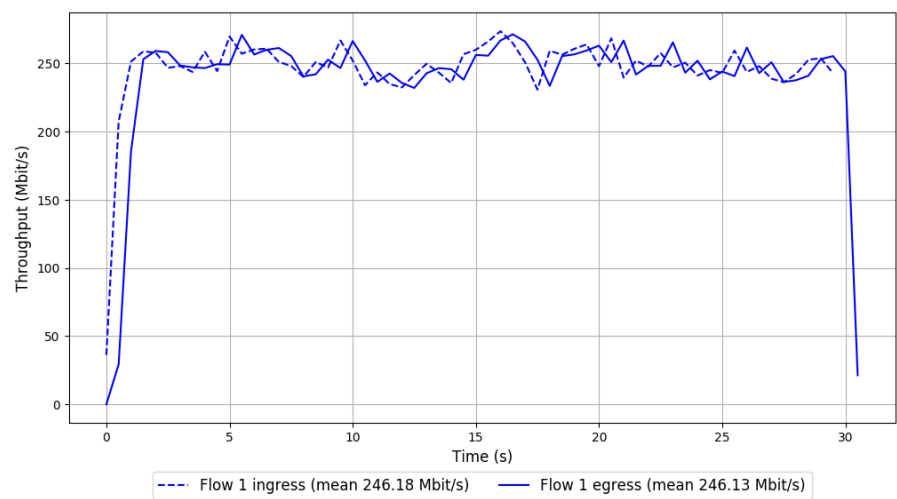


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-12 00:33:40
End at: 2018-07-12 00:34:10
Local clock offset: -0.082 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-12 03:30:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.13 Mbit/s
95th percentile per-packet one-way delay: 53.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 246.13 Mbit/s
95th percentile per-packet one-way delay: 53.963 ms
Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-12 00:55:45

End at: 2018-07-12 00:56:15

Local clock offset: -0.084 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-12 03:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.93 Mbit/s

95th percentile per-packet one-way delay: 57.002 ms

Loss rate: 0.00%

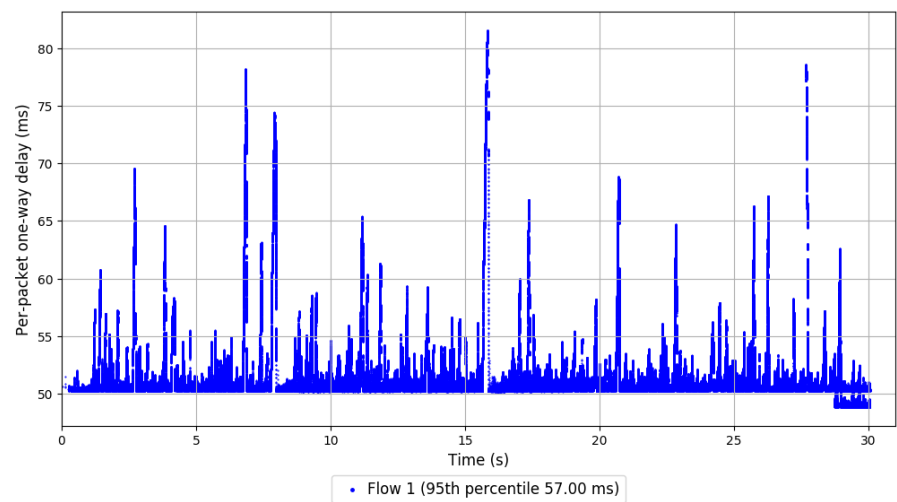
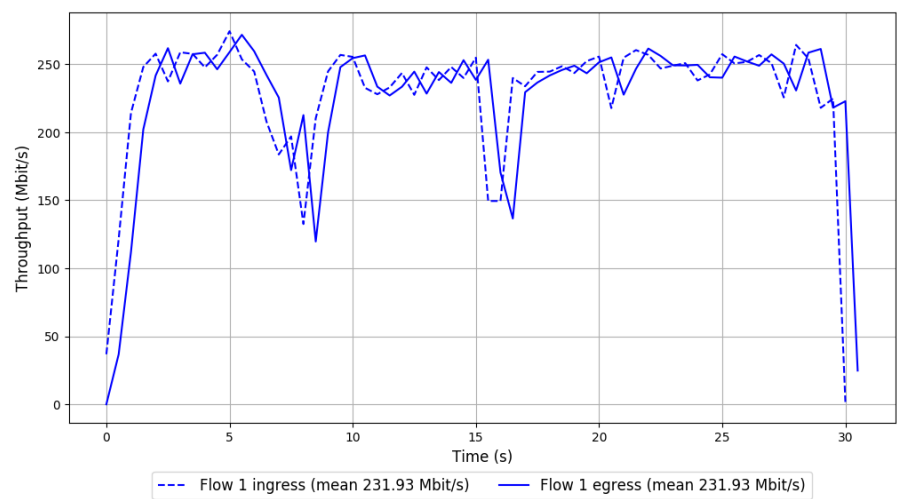
-- Flow 1:

Average throughput: 231.93 Mbit/s

95th percentile per-packet one-way delay: 57.002 ms

Loss rate: 0.00%

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

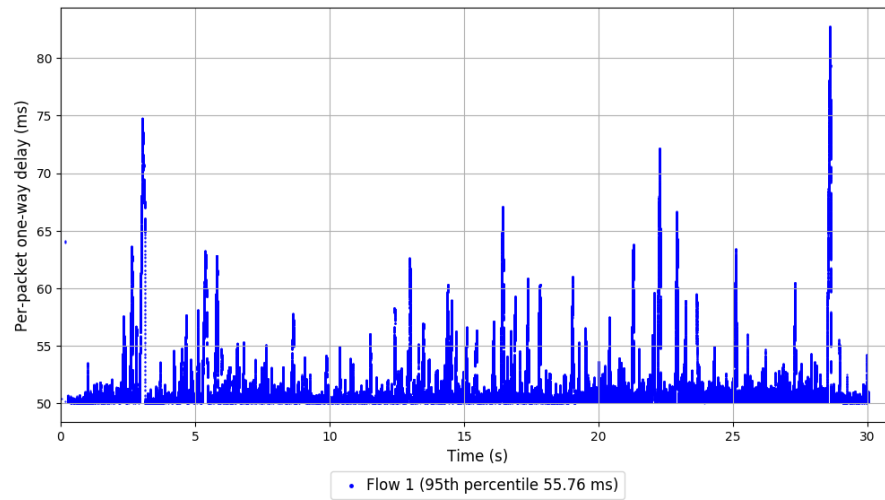
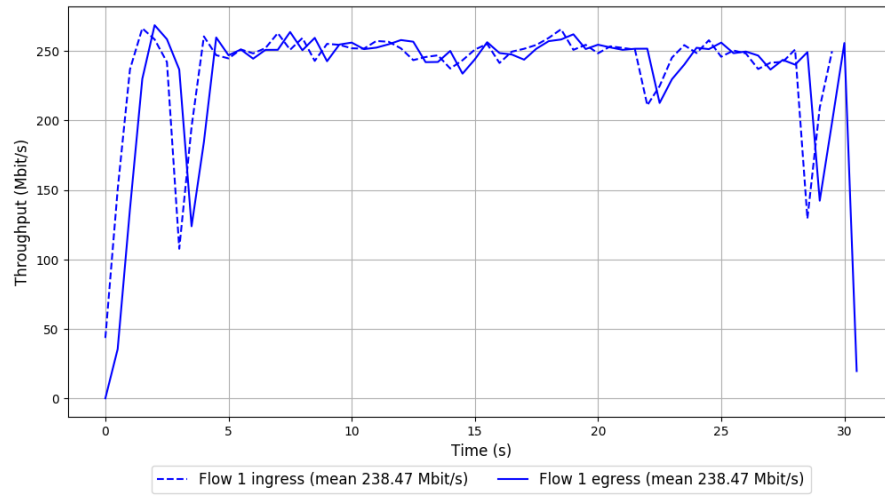


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-12 01:18:05
End at: 2018-07-12 01:18:35
Local clock offset: -0.026 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-12 03:34:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.47 Mbit/s
95th percentile per-packet one-way delay: 55.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.47 Mbit/s
95th percentile per-packet one-way delay: 55.757 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-12 01:40:08

End at: 2018-07-12 01:40:38

Local clock offset: 0.33 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-12 03:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.06 Mbit/s

95th percentile per-packet one-way delay: 53.842 ms

Loss rate: 0.00%

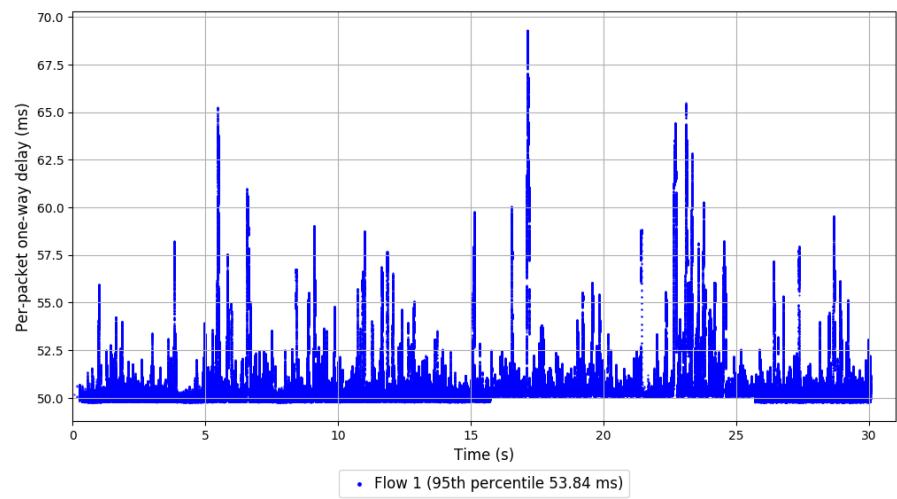
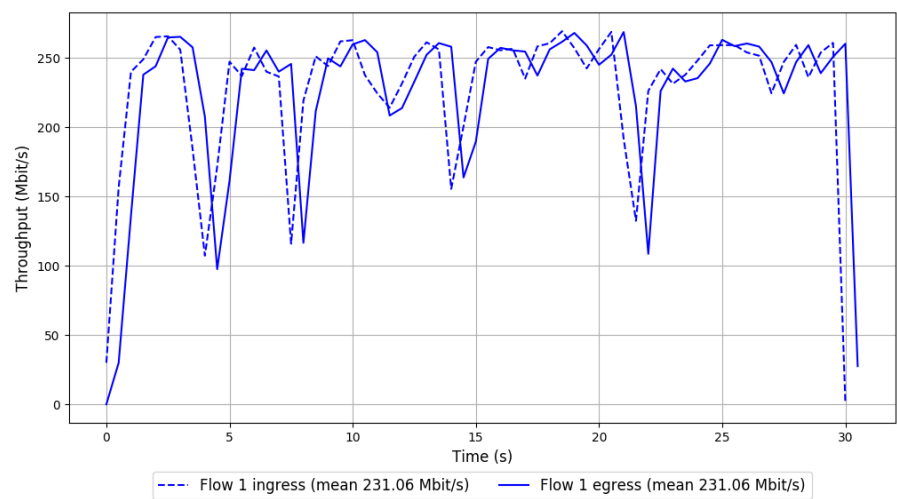
-- Flow 1:

Average throughput: 231.06 Mbit/s

95th percentile per-packet one-way delay: 53.842 ms

Loss rate: 0.00%

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

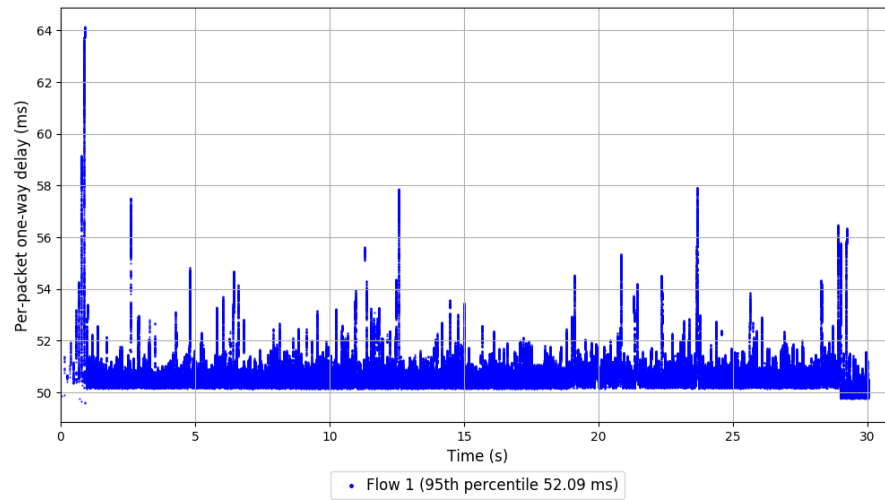
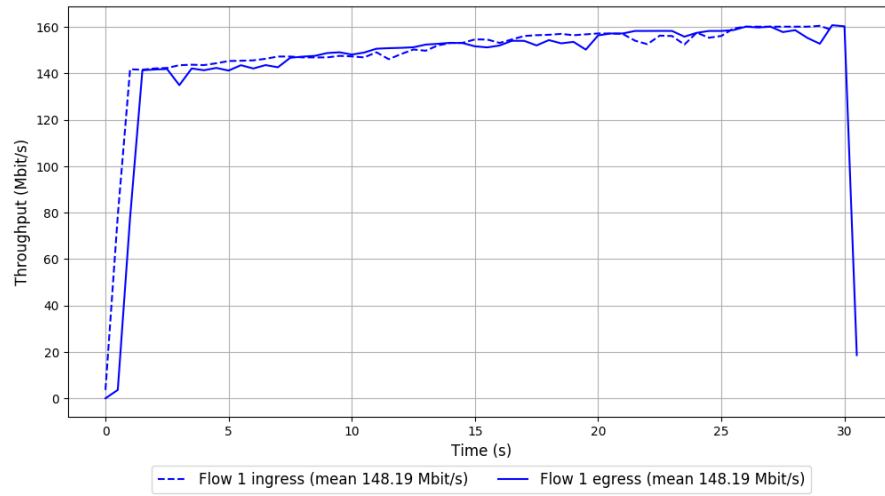


Run 1: Statistics of TCP Vegas

Start at: 2018-07-11 22:17:05
End at: 2018-07-11 22:17:35
Local clock offset: 0.344 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-12 03:35:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.19 Mbit/s
95th percentile per-packet one-way delay: 52.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.19 Mbit/s
95th percentile per-packet one-way delay: 52.091 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

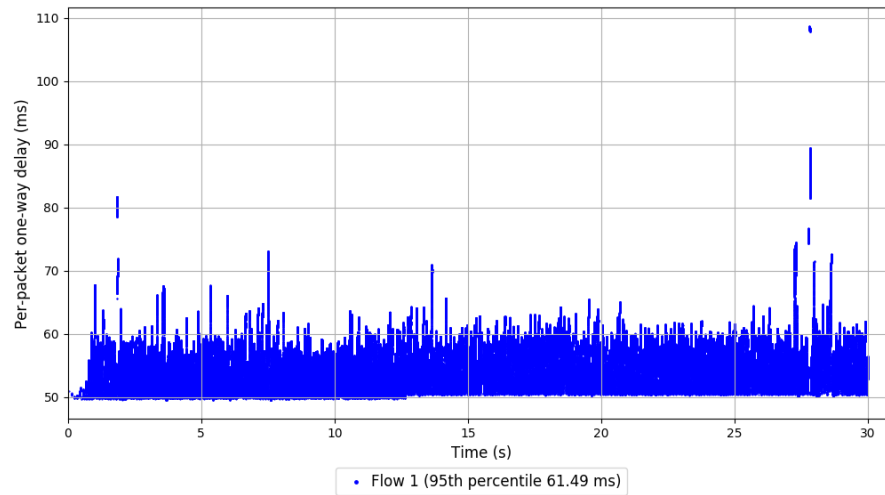
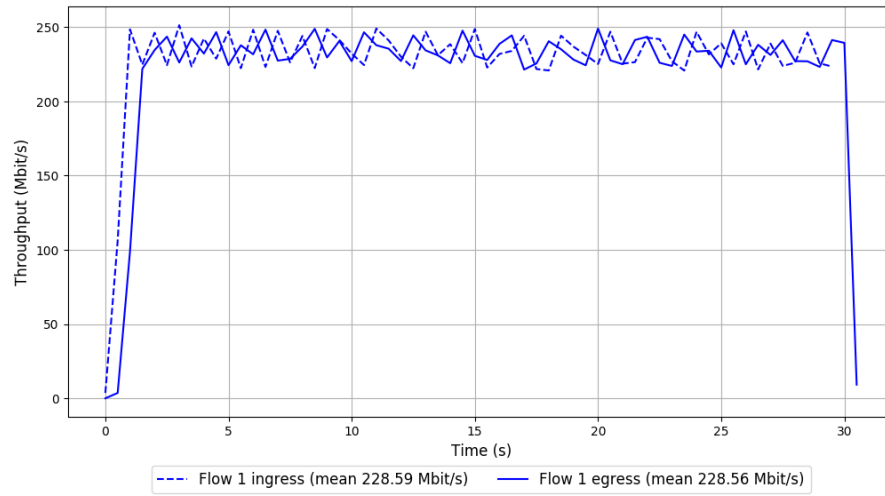


Run 2: Statistics of TCP Vegas

Start at: 2018-07-11 22:39:11
End at: 2018-07-11 22:39:41
Local clock offset: -0.053 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 03:35:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.56 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.56 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-11 23:01:22

End at: 2018-07-11 23:01:52

Local clock offset: -0.038 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-12 03:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.32 Mbit/s

95th percentile per-packet one-way delay: 61.256 ms

Loss rate: 0.00%

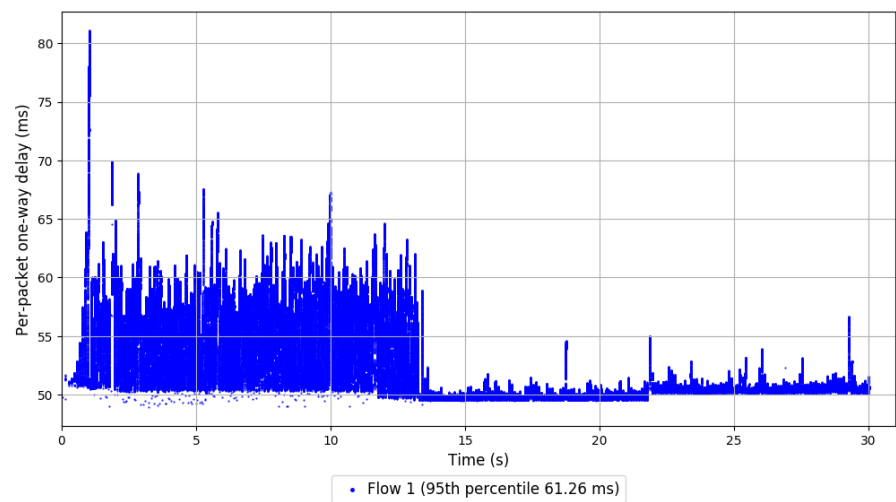
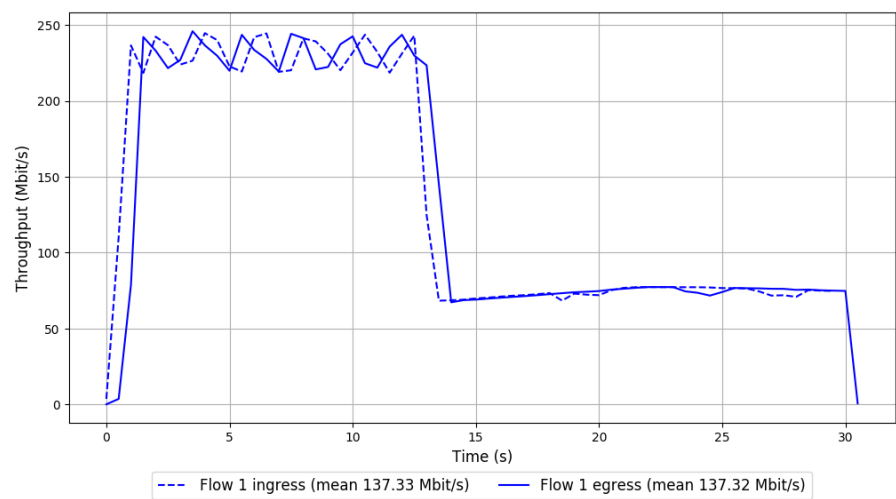
-- Flow 1:

Average throughput: 137.32 Mbit/s

95th percentile per-packet one-way delay: 61.256 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-11 23:23:27

End at: 2018-07-11 23:23:57

Local clock offset: -0.002 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-12 03:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 52.045 ms

Loss rate: 0.00%

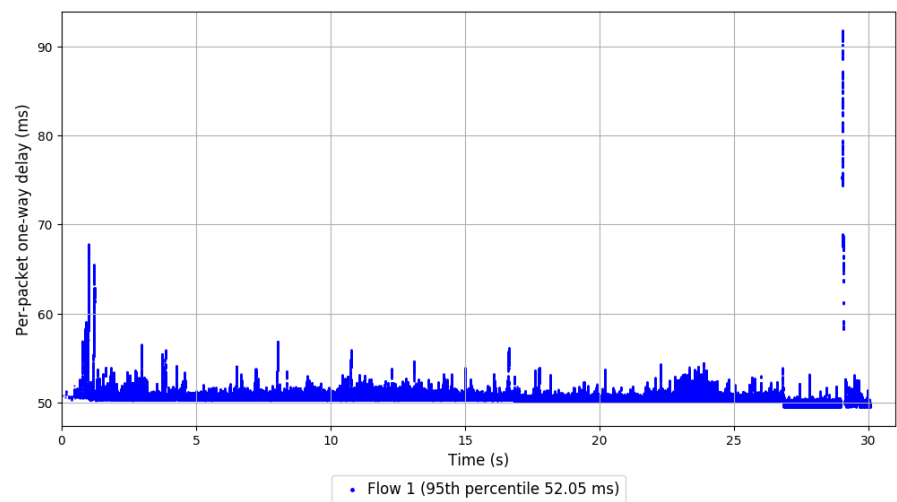
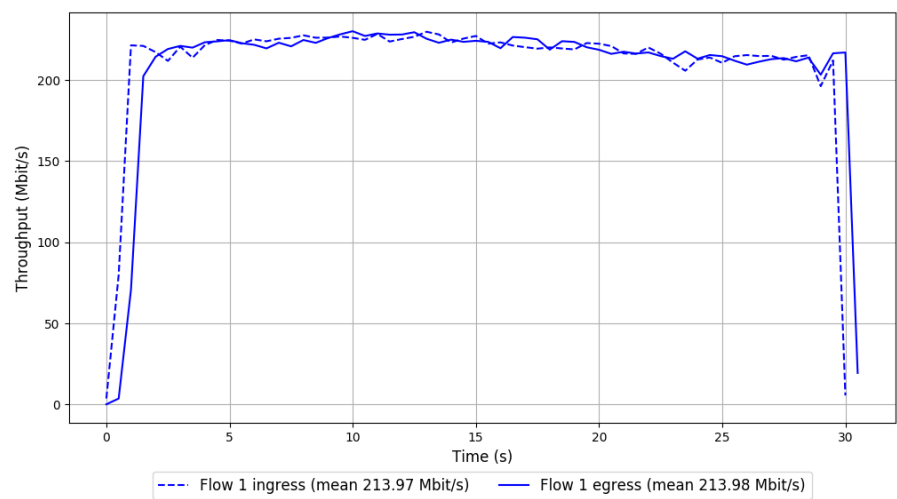
-- Flow 1:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 52.045 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

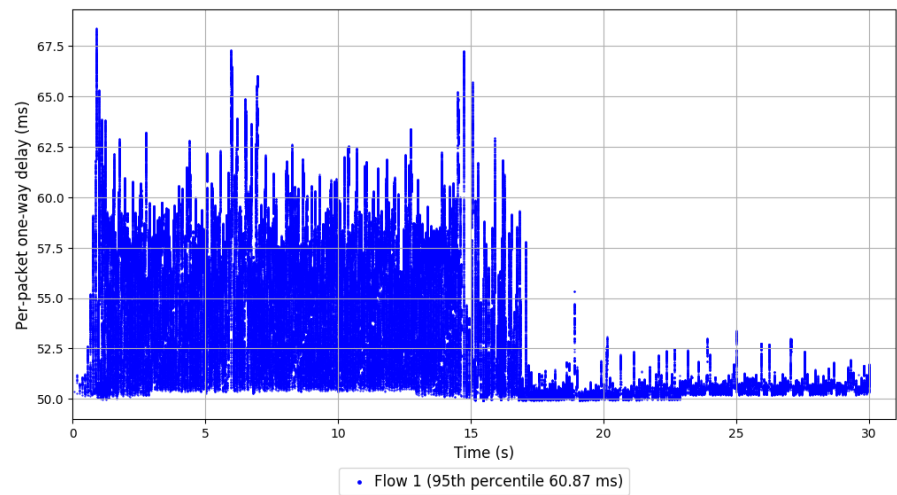
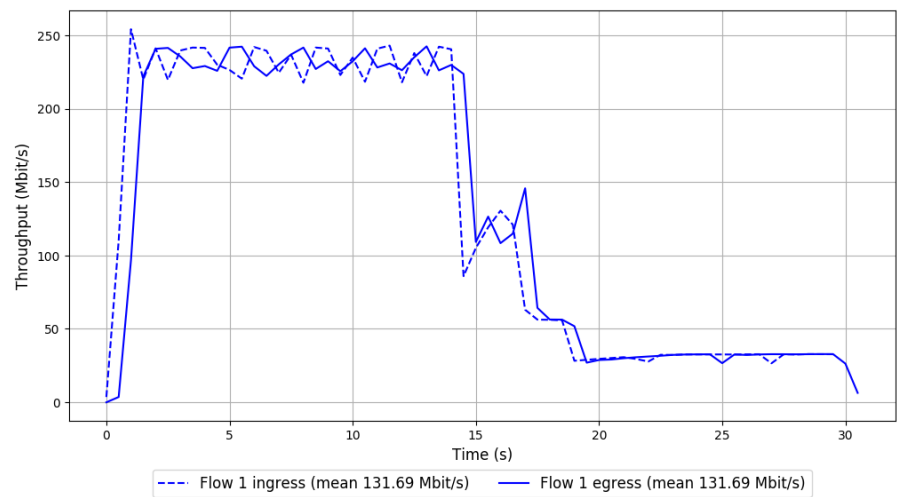


Run 5: Statistics of TCP Vegas

Start at: 2018-07-11 23:45:41
End at: 2018-07-11 23:46:11
Local clock offset: 0.309 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-12 03:35:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.69 Mbit/s
95th percentile per-packet one-way delay: 60.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.69 Mbit/s
95th percentile per-packet one-way delay: 60.865 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

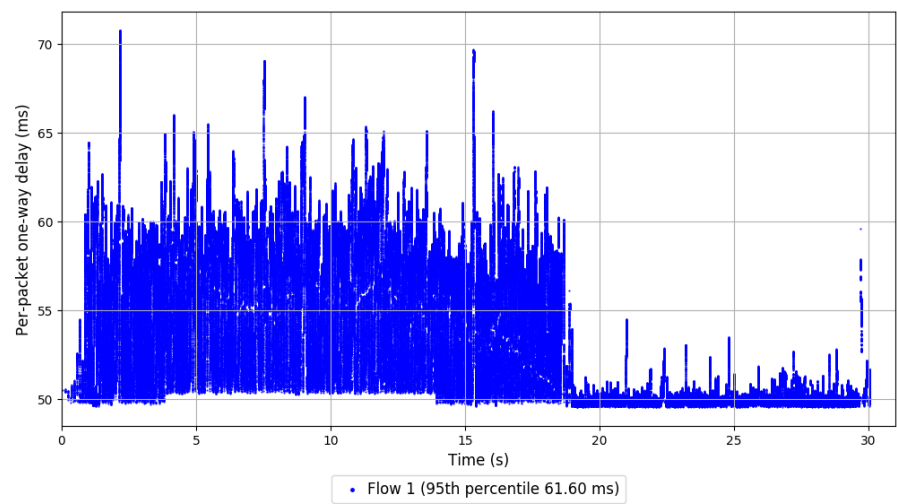
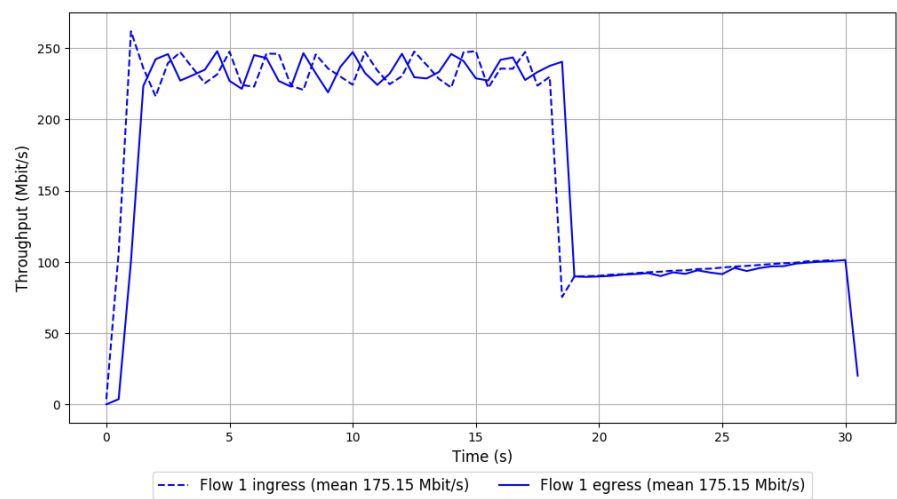


Run 6: Statistics of TCP Vegas

Start at: 2018-07-12 00:07:50
End at: 2018-07-12 00:08:20
Local clock offset: -0.06 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 03:35:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 61.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 61.602 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-12 00:30:01

End at: 2018-07-12 00:30:31

Local clock offset: 0.332 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-12 03:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.38 Mbit/s

95th percentile per-packet one-way delay: 51.963 ms

Loss rate: 0.00%

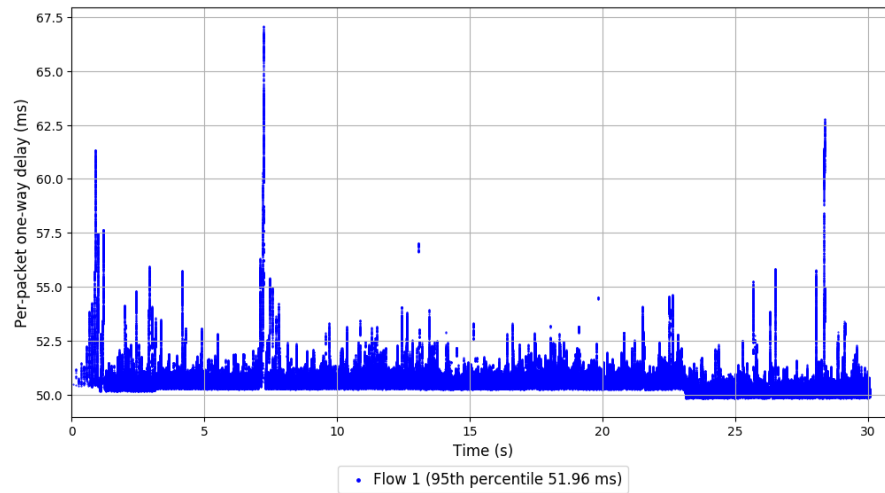
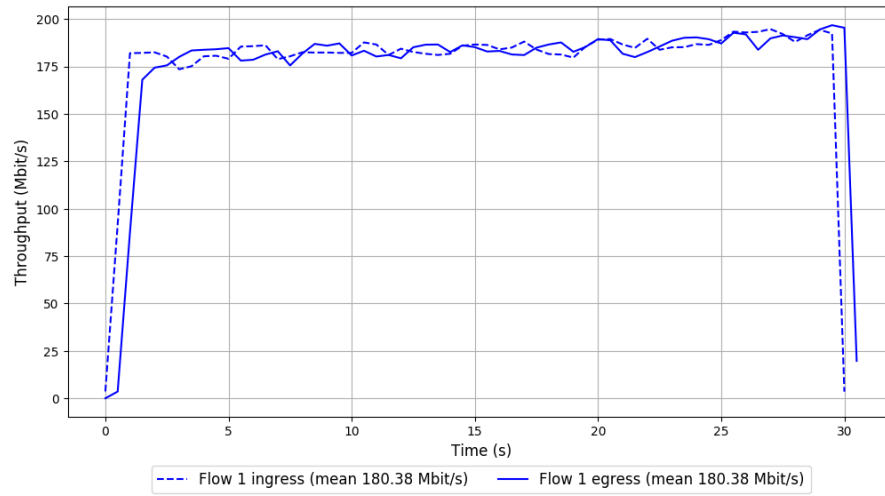
-- Flow 1:

Average throughput: 180.38 Mbit/s

95th percentile per-packet one-way delay: 51.963 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-12 00:52:11

End at: 2018-07-12 00:52:41

Local clock offset: 0.296 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-12 03:35:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.66 Mbit/s

95th percentile per-packet one-way delay: 51.330 ms

Loss rate: 0.00%

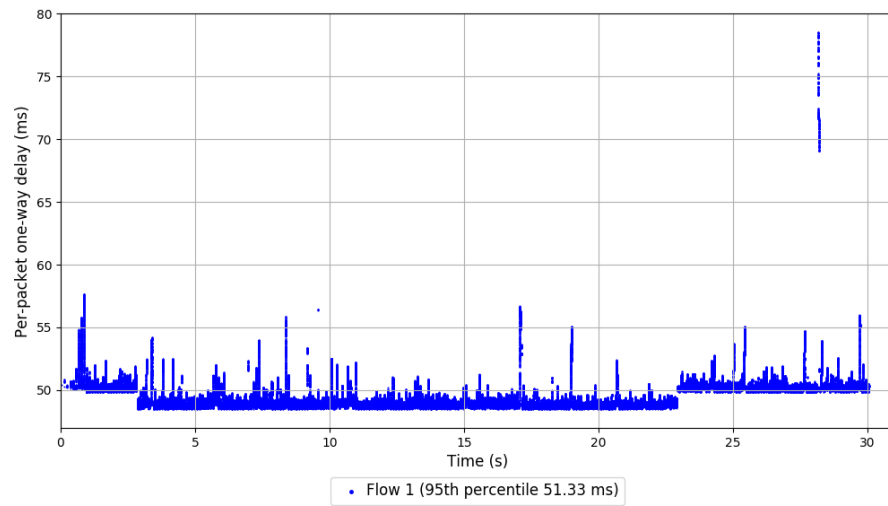
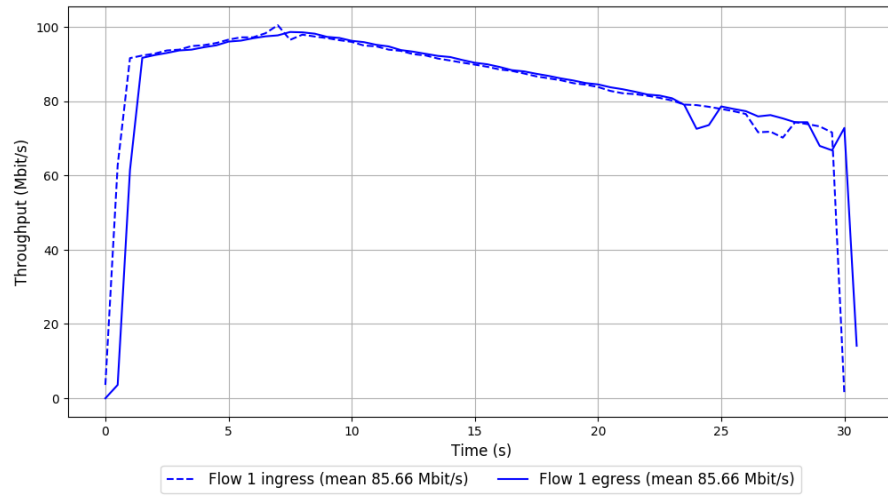
-- Flow 1:

Average throughput: 85.66 Mbit/s

95th percentile per-packet one-way delay: 51.330 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-12 01:14:23

End at: 2018-07-12 01:14:53

Local clock offset: -0.059 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 03:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.74 Mbit/s

95th percentile per-packet one-way delay: 61.332 ms

Loss rate: 0.00%

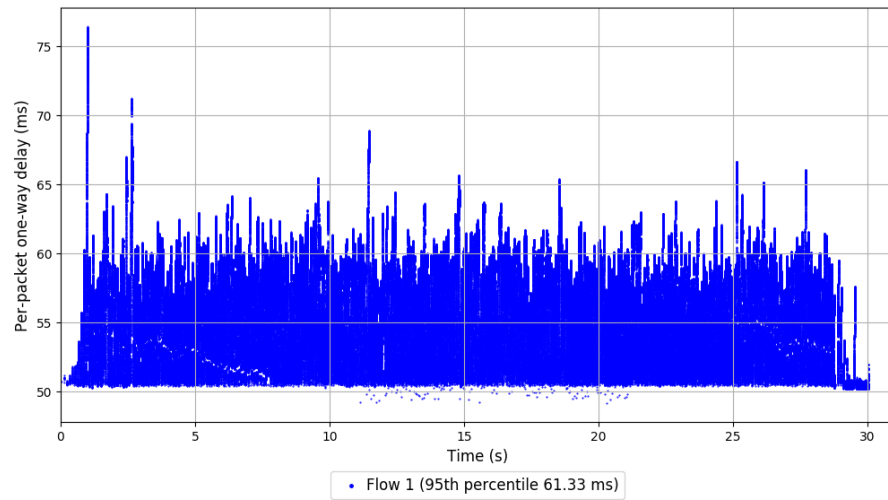
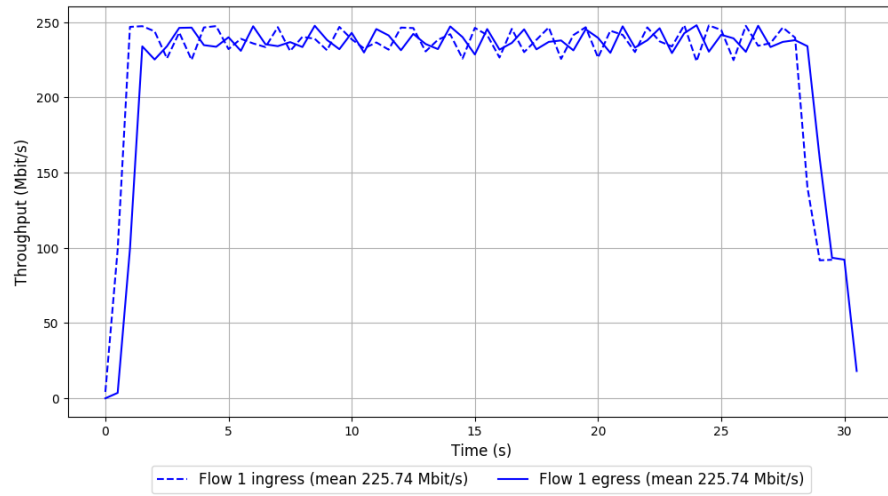
-- Flow 1:

Average throughput: 225.74 Mbit/s

95th percentile per-packet one-way delay: 61.332 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

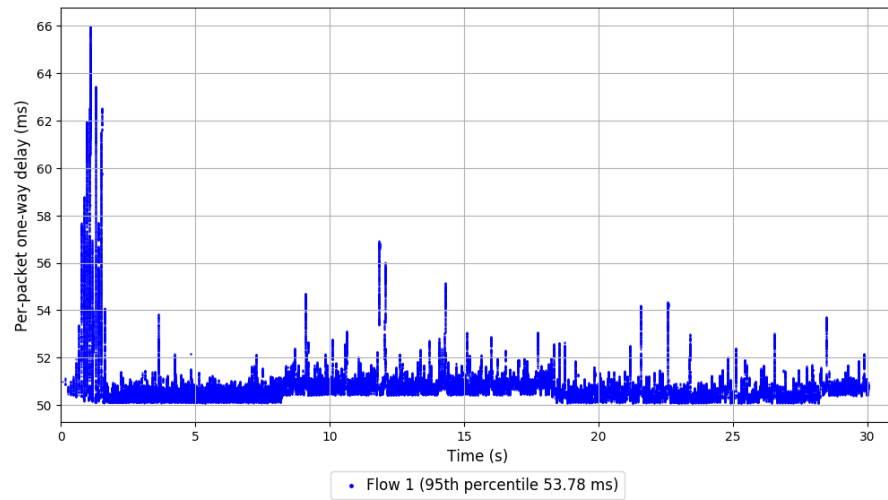
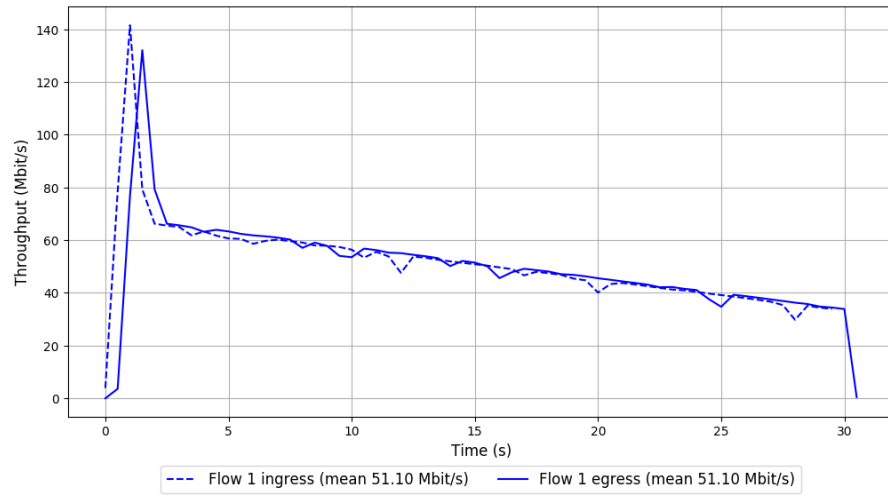


Run 10: Statistics of TCP Vegas

Start at: 2018-07-12 01:36:36
End at: 2018-07-12 01:37:06
Local clock offset: -0.053 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-12 03:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 53.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 53.783 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

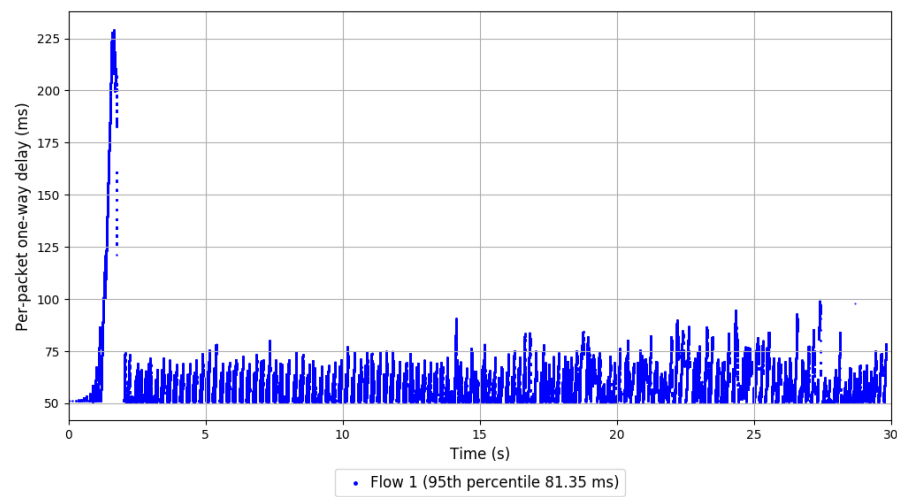
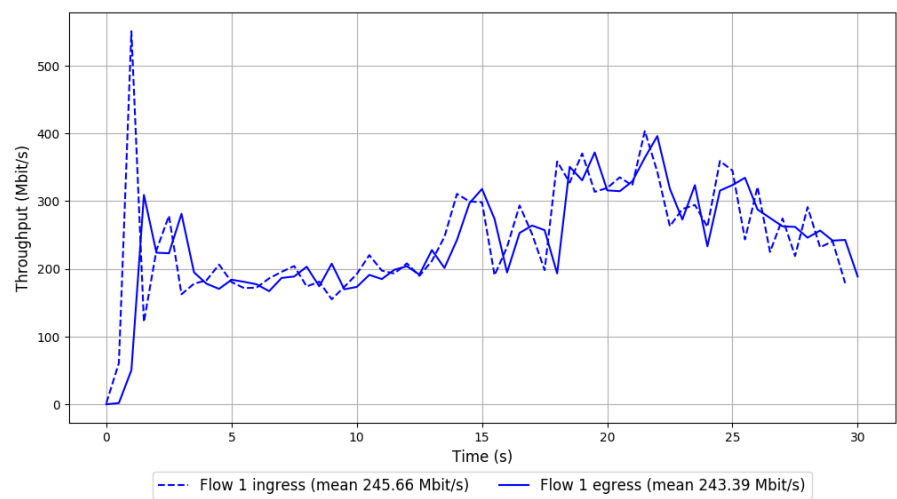


Run 1: Statistics of Verus

Start at: 2018-07-11 22:22:06
End at: 2018-07-11 22:22:36
Local clock offset: -0.076 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-12 03:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.39 Mbit/s
95th percentile per-packet one-way delay: 81.351 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 243.39 Mbit/s
95th percentile per-packet one-way delay: 81.351 ms
Loss rate: 0.92%

Run 1: Report of Verus — Data Link

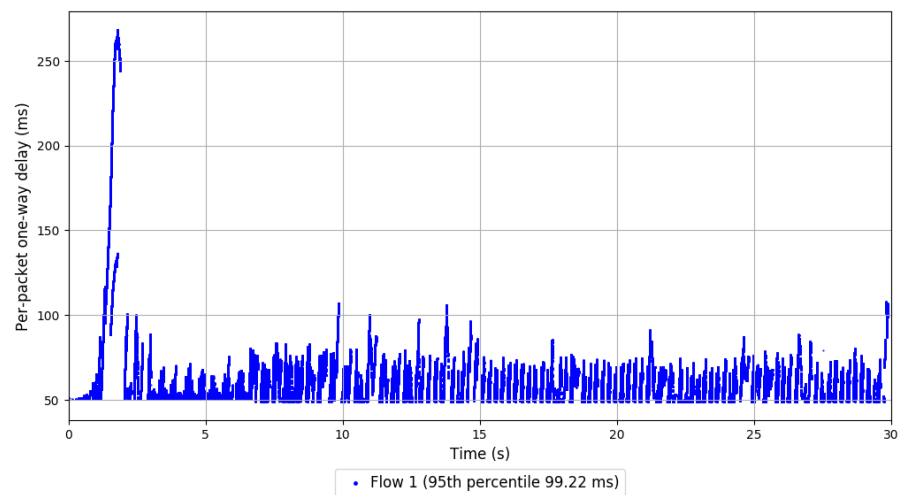
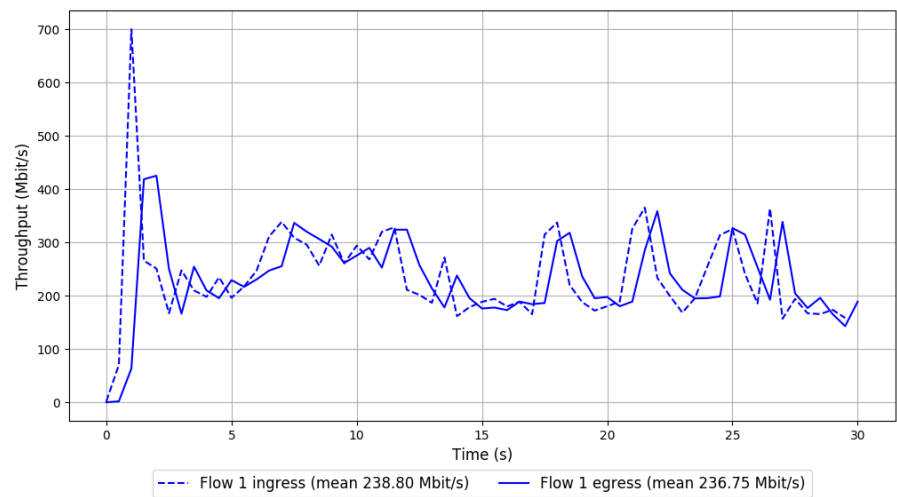


Run 2: Statistics of Verus

Start at: 2018-07-11 22:44:17
End at: 2018-07-11 22:44:47
Local clock offset: -0.01 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 03:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.75 Mbit/s
95th percentile per-packet one-way delay: 99.224 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 236.75 Mbit/s
95th percentile per-packet one-way delay: 99.224 ms
Loss rate: 0.68%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-11 23:06:27

End at: 2018-07-11 23:06:57

Local clock offset: 0.319 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-12 03:37:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.85 Mbit/s

95th percentile per-packet one-way delay: 115.754 ms

Loss rate: 0.08%

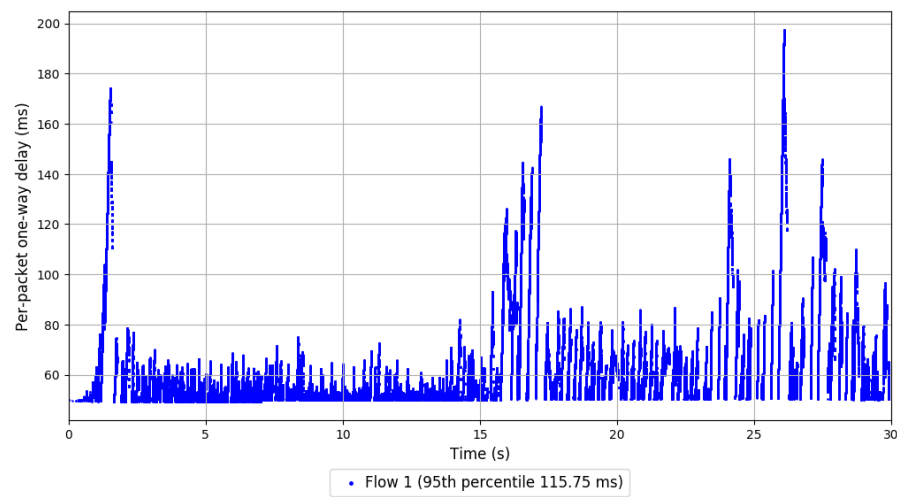
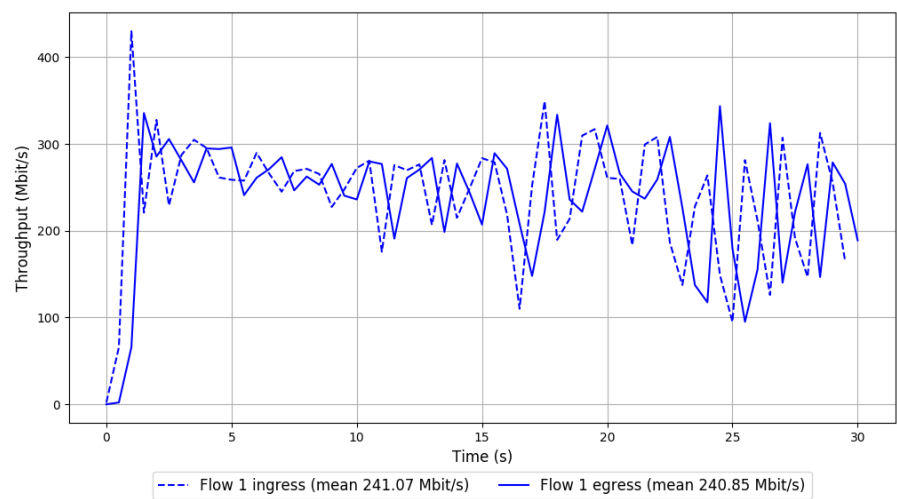
-- Flow 1:

Average throughput: 240.85 Mbit/s

95th percentile per-packet one-way delay: 115.754 ms

Loss rate: 0.08%

Run 3: Report of Verus — Data Link

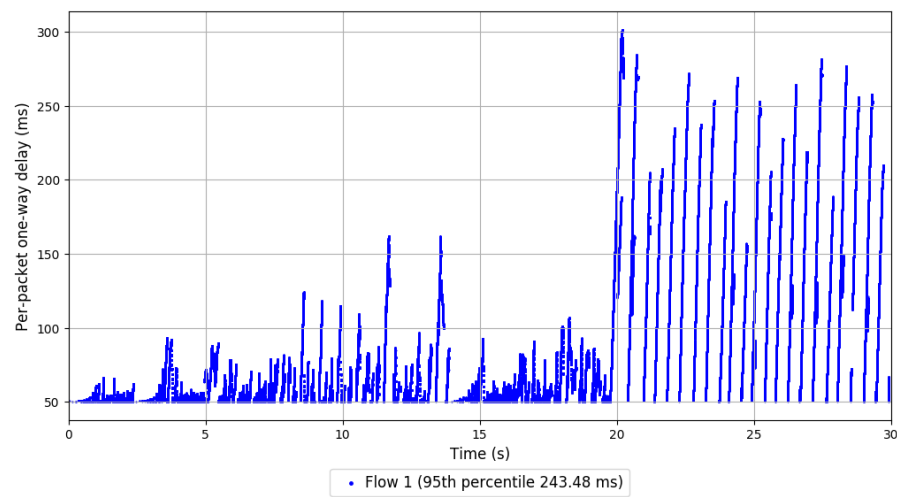
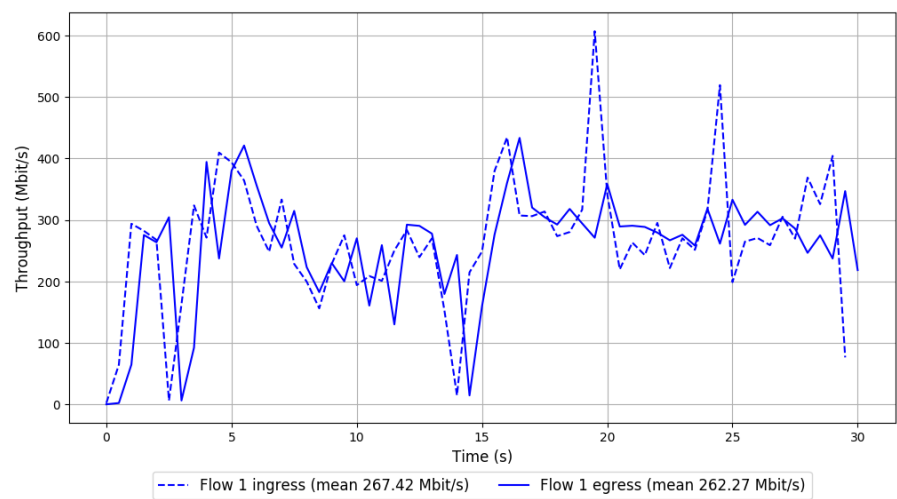


Run 4: Statistics of Verus

Start at: 2018-07-11 23:28:33
End at: 2018-07-11 23:29:03
Local clock offset: -0.077 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 03:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.27 Mbit/s
95th percentile per-packet one-way delay: 243.477 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 262.27 Mbit/s
95th percentile per-packet one-way delay: 243.477 ms
Loss rate: 1.93%

Run 4: Report of Verus — Data Link

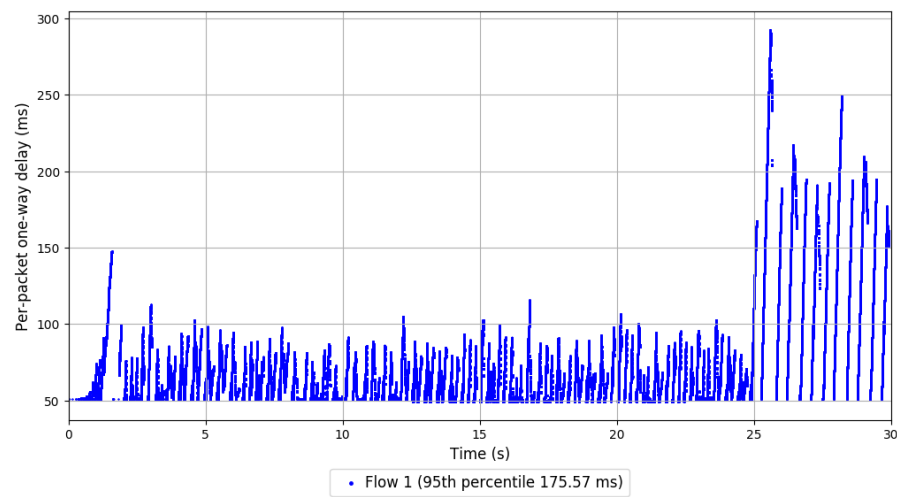
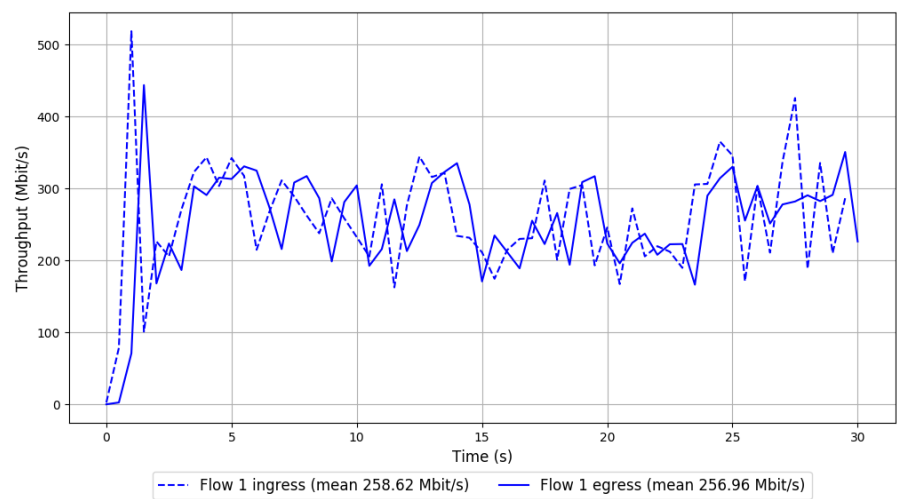


Run 5: Statistics of Verus

Start at: 2018-07-11 23:50:41
End at: 2018-07-11 23:51:11
Local clock offset: -0.414 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 03:39:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.96 Mbit/s
95th percentile per-packet one-way delay: 175.573 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 256.96 Mbit/s
95th percentile per-packet one-way delay: 175.573 ms
Loss rate: 0.58%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-12 00:12:53

End at: 2018-07-12 00:13:23

Local clock offset: -0.028 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-12 03:39:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.01 Mbit/s

95th percentile per-packet one-way delay: 253.020 ms

Loss rate: 3.54%

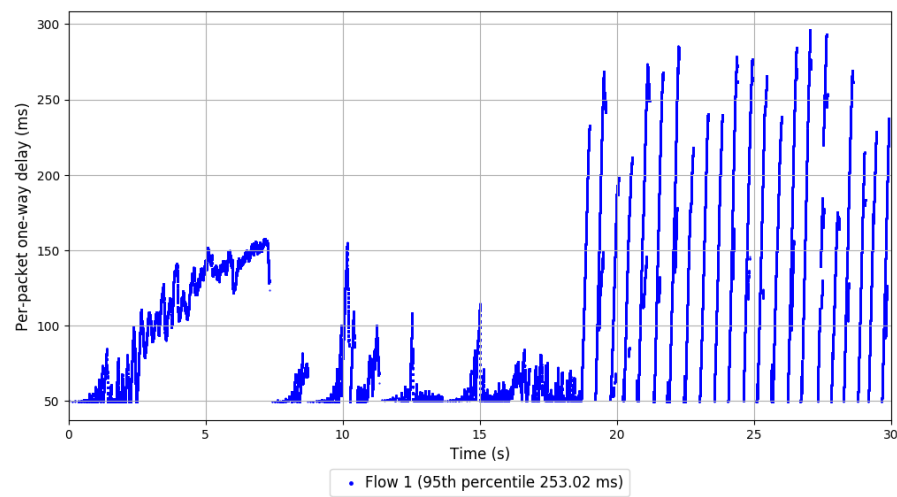
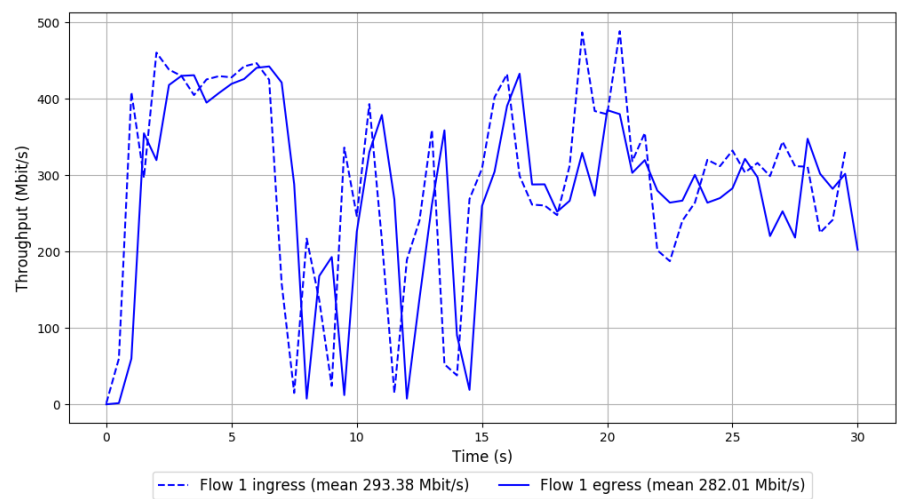
-- Flow 1:

Average throughput: 282.01 Mbit/s

95th percentile per-packet one-way delay: 253.020 ms

Loss rate: 3.54%

Run 6: Report of Verus — Data Link

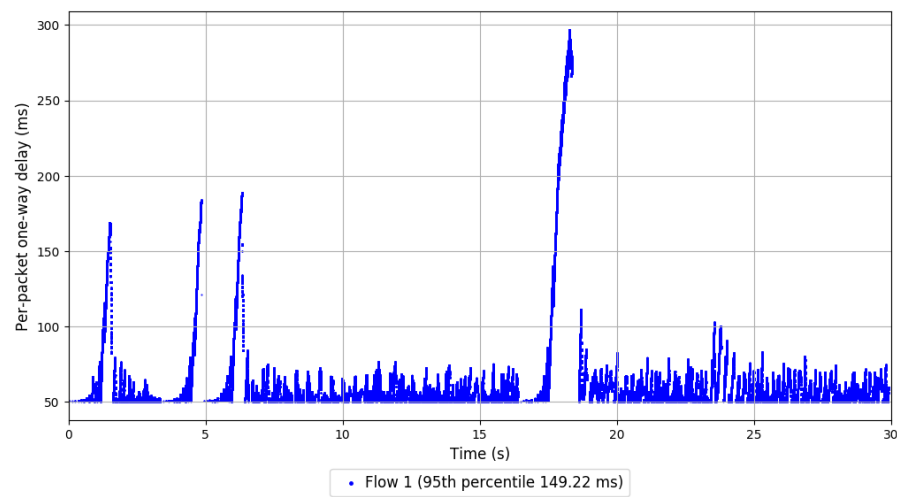
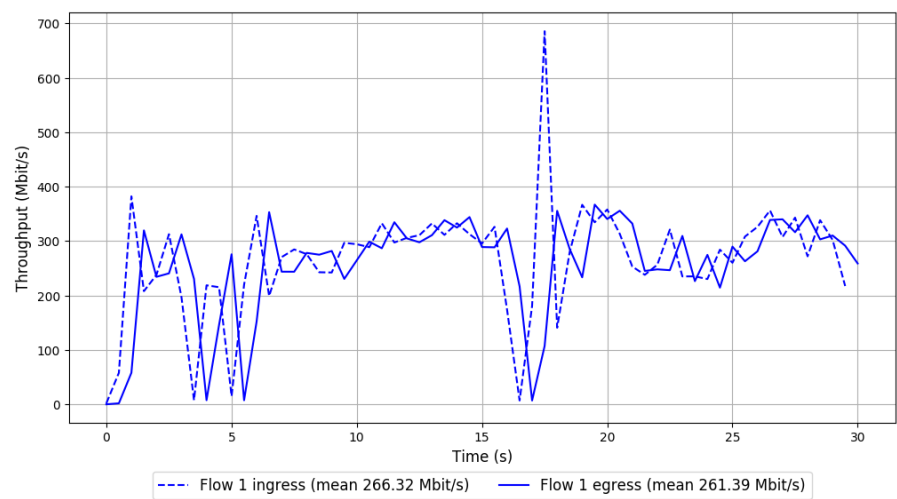


Run 7: Statistics of Verus

Start at: 2018-07-12 00:35:06
End at: 2018-07-12 00:35:36
Local clock offset: -0.05 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 03:39:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.39 Mbit/s
95th percentile per-packet one-way delay: 149.218 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 261.39 Mbit/s
95th percentile per-packet one-way delay: 149.218 ms
Loss rate: 1.85%

Run 7: Report of Verus — Data Link

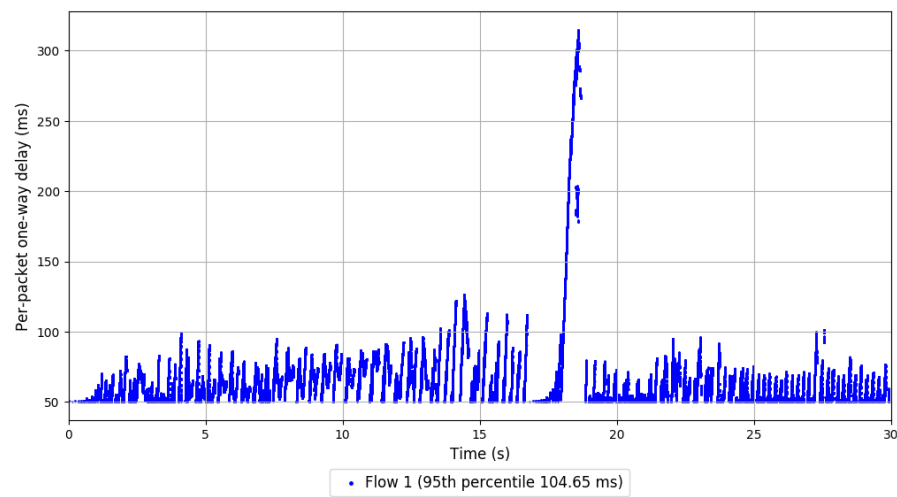
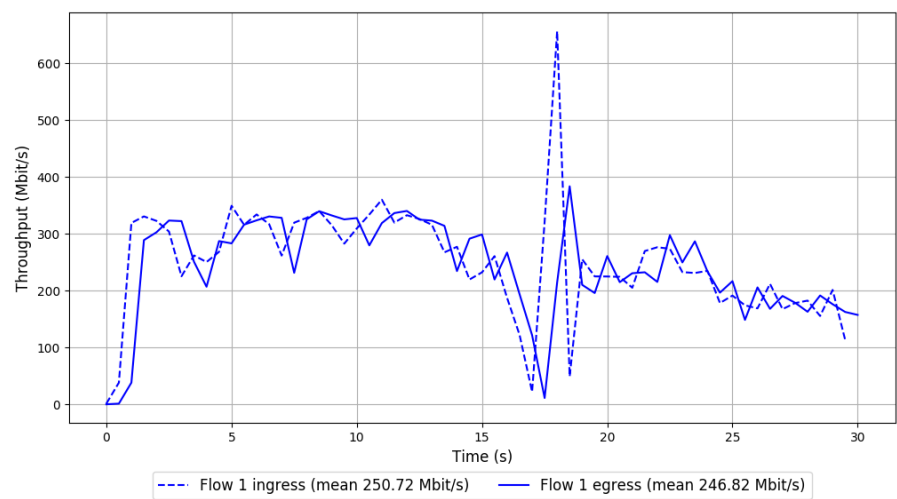


Run 8: Statistics of Verus

Start at: 2018-07-12 00:57:11
End at: 2018-07-12 00:57:41
Local clock offset: -0.045 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-12 03:40:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.82 Mbit/s
95th percentile per-packet one-way delay: 104.649 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 246.82 Mbit/s
95th percentile per-packet one-way delay: 104.649 ms
Loss rate: 1.55%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-12 01:19:31

End at: 2018-07-12 01:20:01

Local clock offset: -0.074 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-12 03:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.64 Mbit/s

95th percentile per-packet one-way delay: 99.577 ms

Loss rate: 0.79%

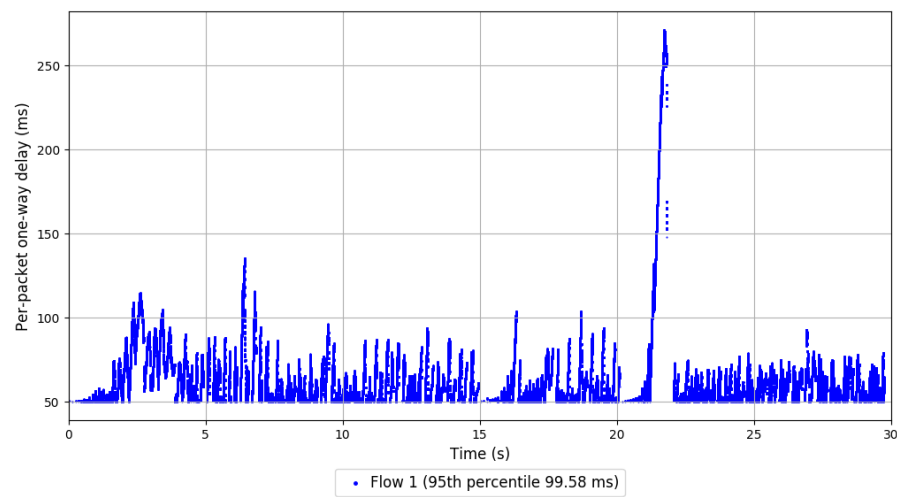
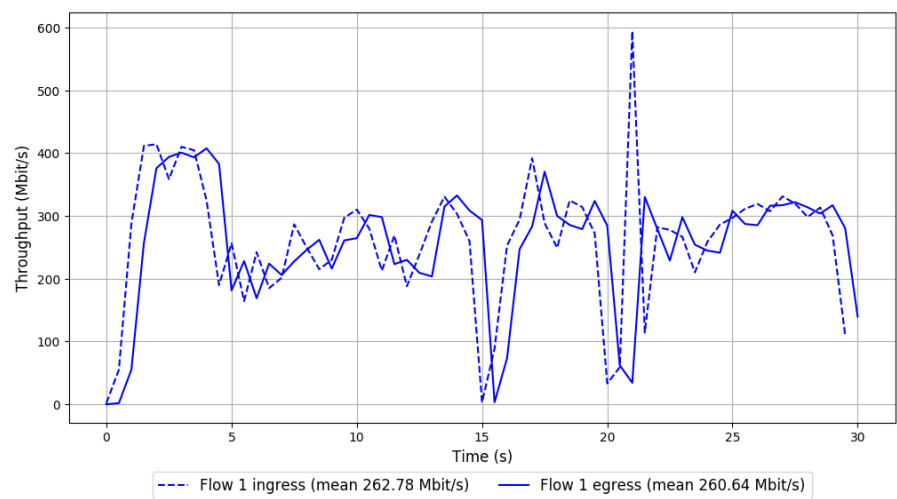
-- Flow 1:

Average throughput: 260.64 Mbit/s

95th percentile per-packet one-way delay: 99.577 ms

Loss rate: 0.79%

Run 9: Report of Verus — Data Link

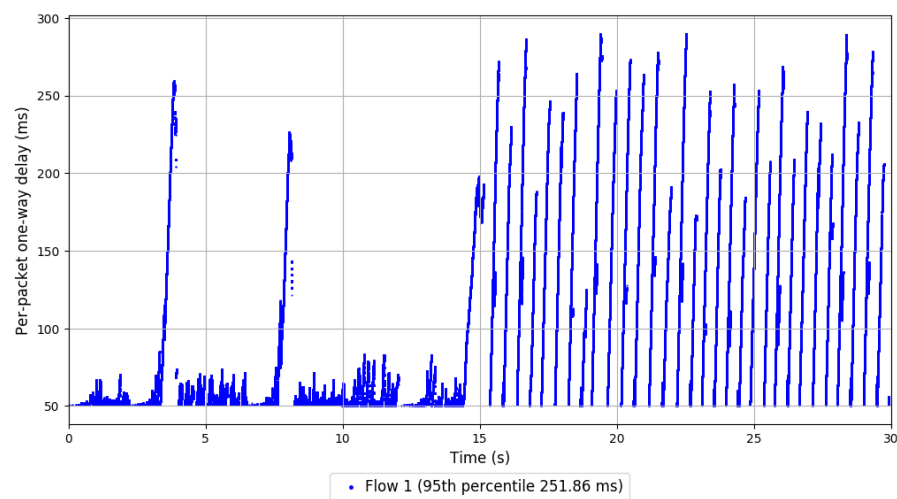
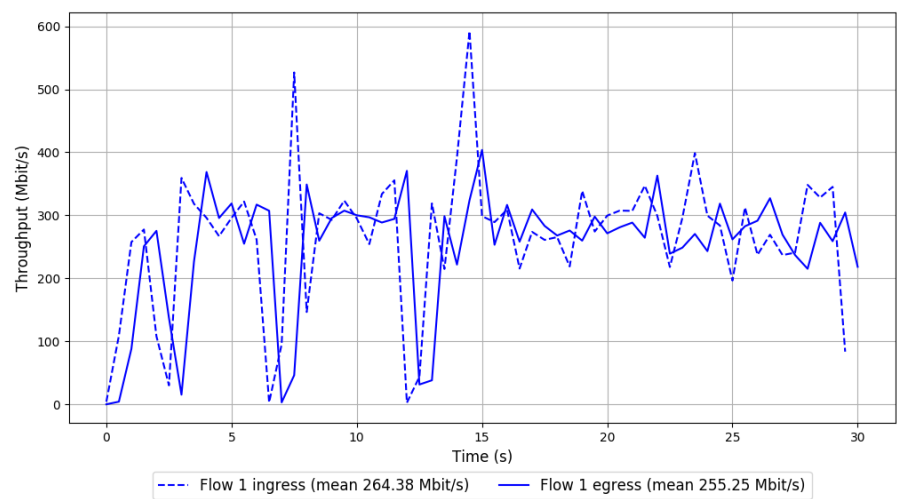


Run 10: Statistics of Verus

Start at: 2018-07-12 01:41:34
End at: 2018-07-12 01:42:04
Local clock offset: -0.129 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-12 03:41:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.25 Mbit/s
95th percentile per-packet one-way delay: 251.857 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 255.25 Mbit/s
95th percentile per-packet one-way delay: 251.857 ms
Loss rate: 3.45%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-11 22:14:27

End at: 2018-07-11 22:14:57

Local clock offset: -0.01 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 03:42:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.62 Mbit/s

95th percentile per-packet one-way delay: 57.864 ms

Loss rate: 0.00%

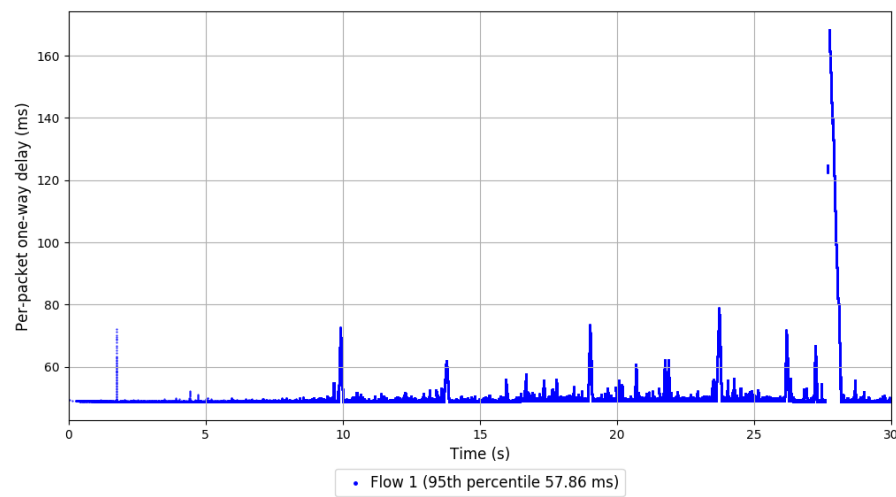
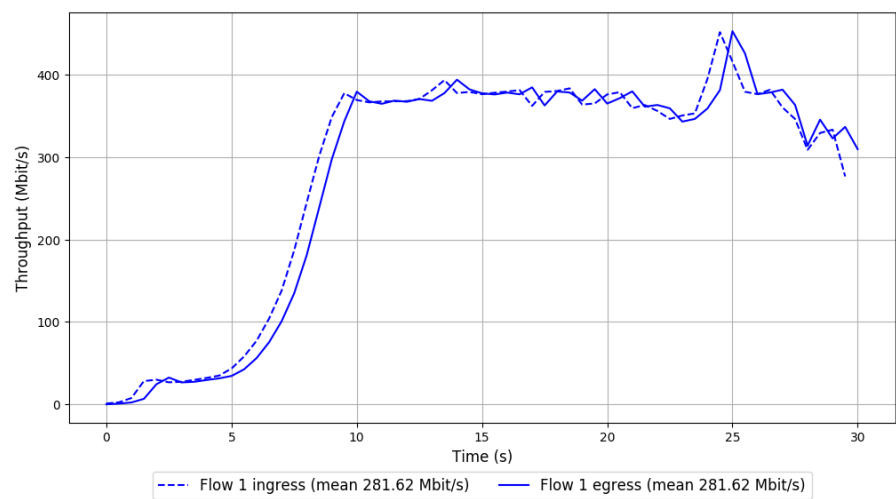
-- Flow 1:

Average throughput: 281.62 Mbit/s

95th percentile per-packet one-way delay: 57.864 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-11 22:36:27

End at: 2018-07-11 22:36:57

Local clock offset: -0.067 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-12 03:44:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.61 Mbit/s

95th percentile per-packet one-way delay: 76.628 ms

Loss rate: 0.17%

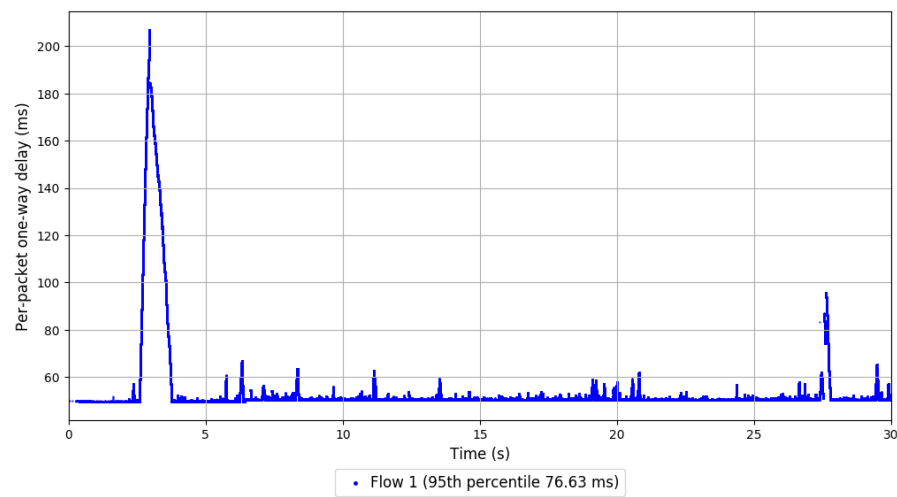
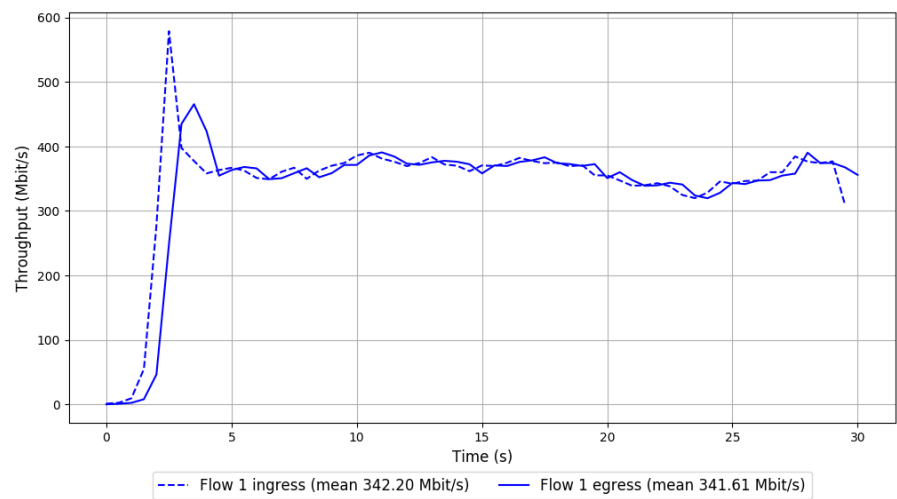
-- Flow 1:

Average throughput: 341.61 Mbit/s

95th percentile per-packet one-way delay: 76.628 ms

Loss rate: 0.17%

Run 2: Report of PCC-Vivace — Data Link

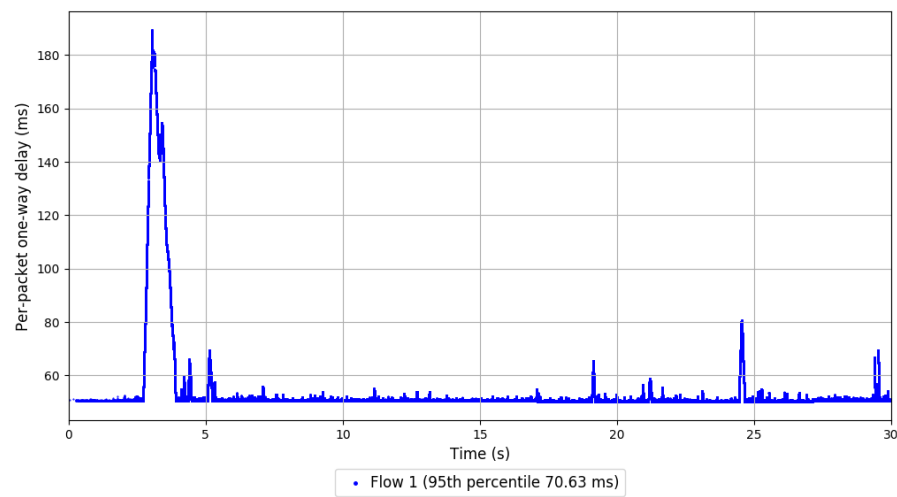
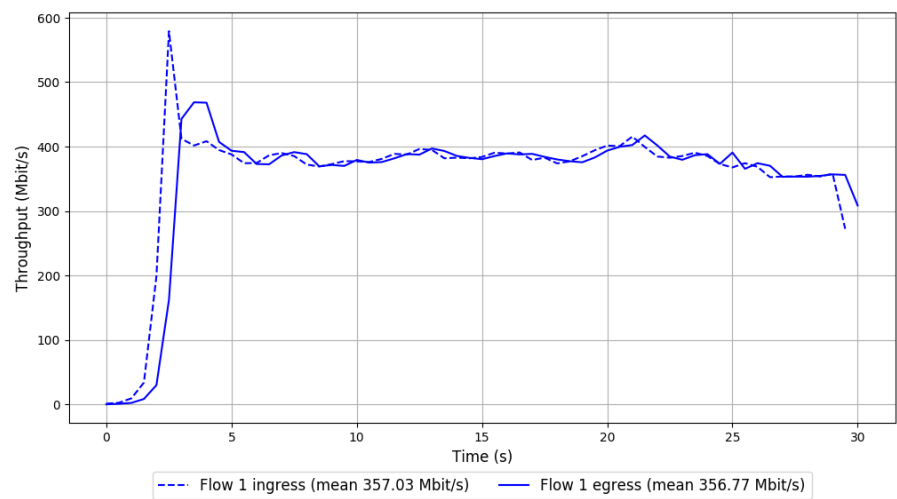


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-11 22:58:37
End at: 2018-07-11 22:59:07
Local clock offset: -0.028 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 03:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.77 Mbit/s
95th percentile per-packet one-way delay: 70.626 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 356.77 Mbit/s
95th percentile per-packet one-way delay: 70.626 ms
Loss rate: 0.07%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-11 23:20:55

End at: 2018-07-11 23:21:25

Local clock offset: -0.404 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-12 03:45:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.38 Mbit/s

95th percentile per-packet one-way delay: 52.325 ms

Loss rate: 0.00%

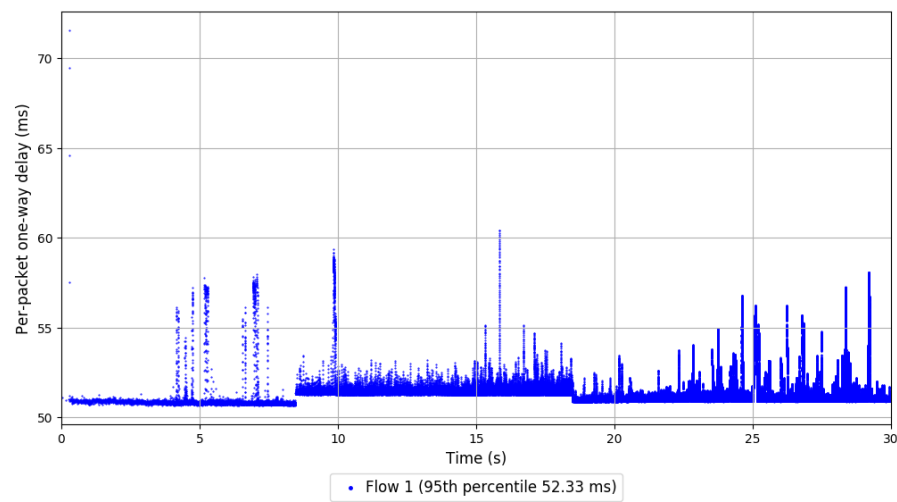
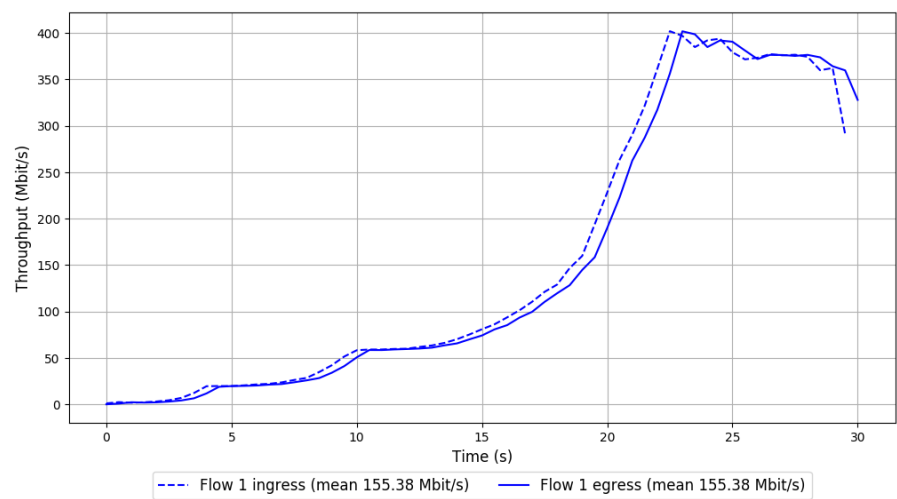
-- Flow 1:

Average throughput: 155.38 Mbit/s

95th percentile per-packet one-way delay: 52.325 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-11 23:43:03

End at: 2018-07-11 23:43:33

Local clock offset: -0.08 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-12 03:45:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.82 Mbit/s

95th percentile per-packet one-way delay: 56.942 ms

Loss rate: 0.00%

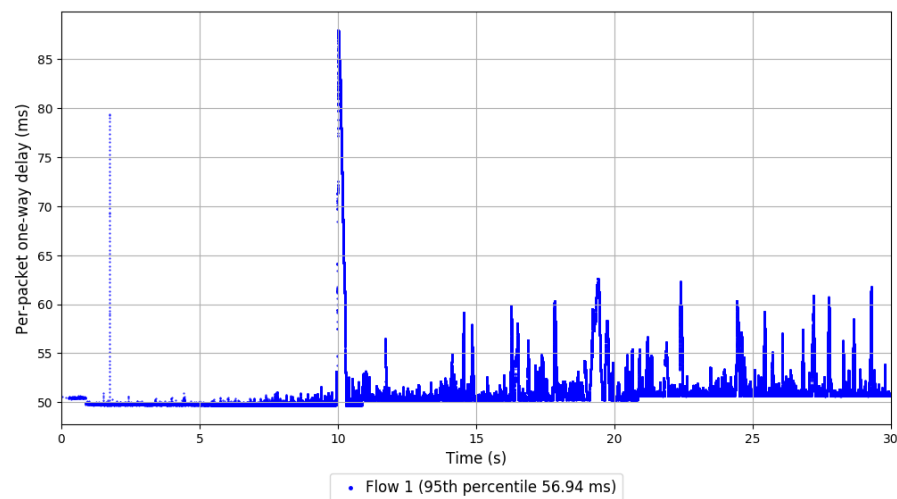
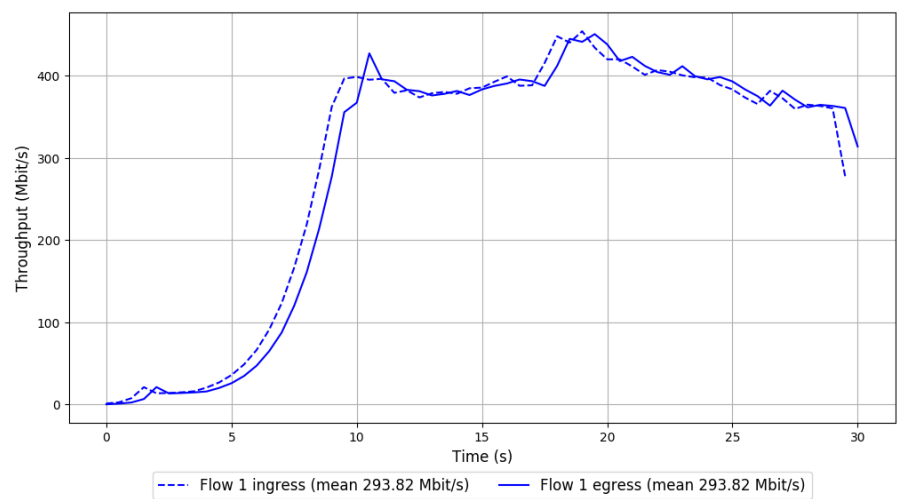
-- Flow 1:

Average throughput: 293.82 Mbit/s

95th percentile per-packet one-way delay: 56.942 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-12 00:05:10

End at: 2018-07-12 00:05:40

Local clock offset: -0.062 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 03:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.15 Mbit/s

95th percentile per-packet one-way delay: 56.884 ms

Loss rate: 0.00%

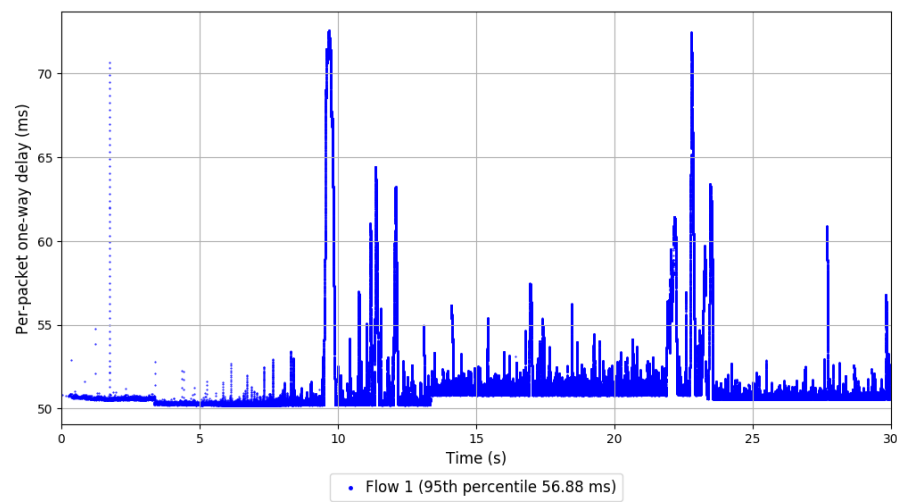
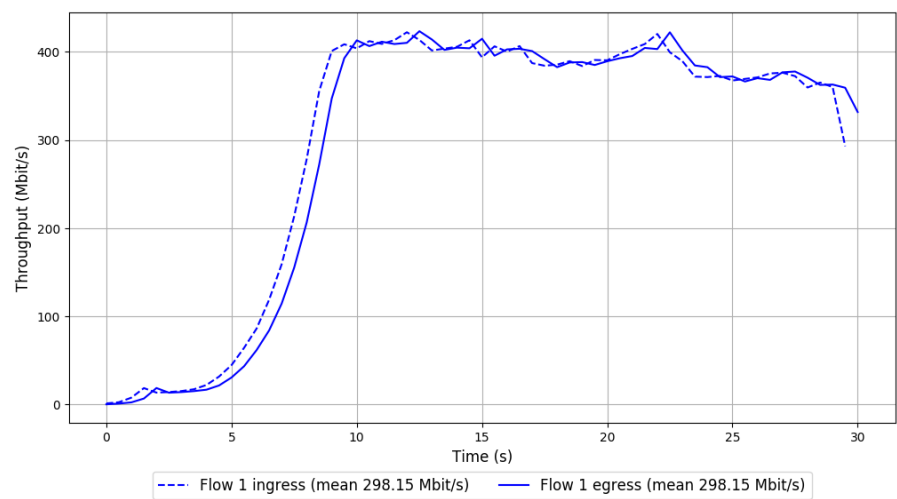
-- Flow 1:

Average throughput: 298.15 Mbit/s

95th percentile per-packet one-way delay: 56.884 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-12 00:27:23

End at: 2018-07-12 00:27:53

Local clock offset: -0.048 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-12 03:46:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.28 Mbit/s

95th percentile per-packet one-way delay: 58.774 ms

Loss rate: 0.00%

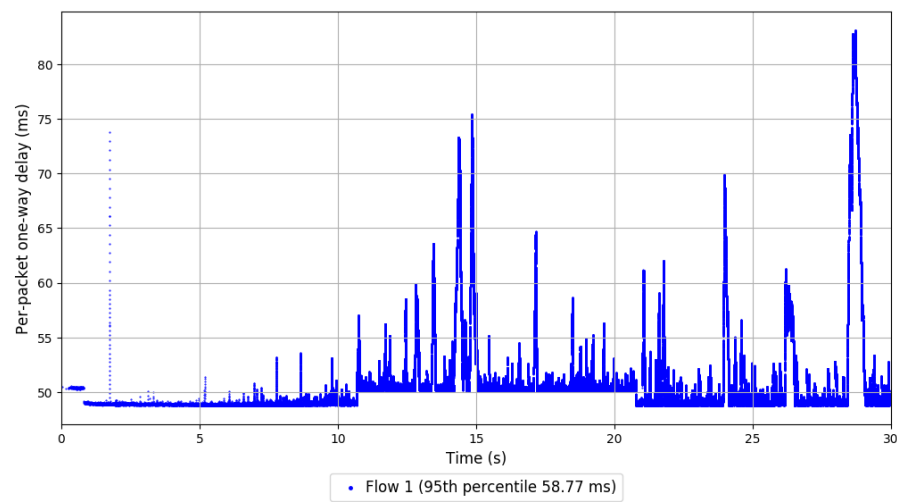
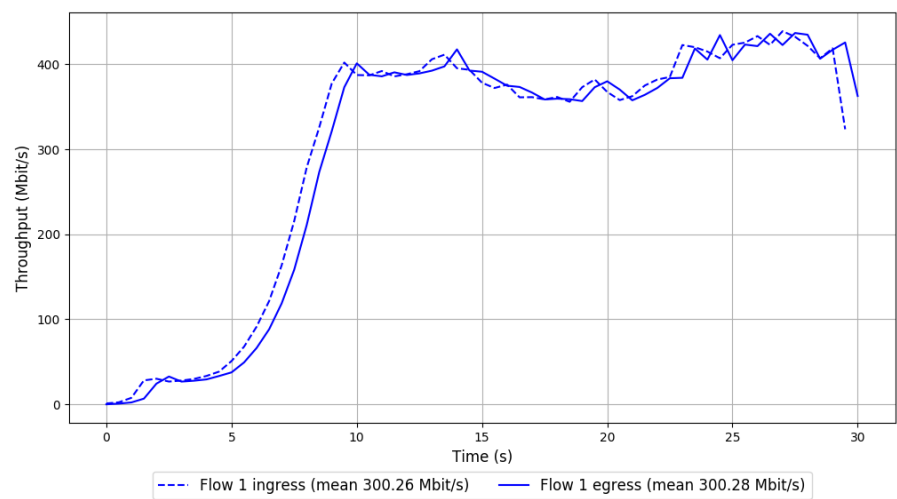
-- Flow 1:

Average throughput: 300.28 Mbit/s

95th percentile per-packet one-way delay: 58.774 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

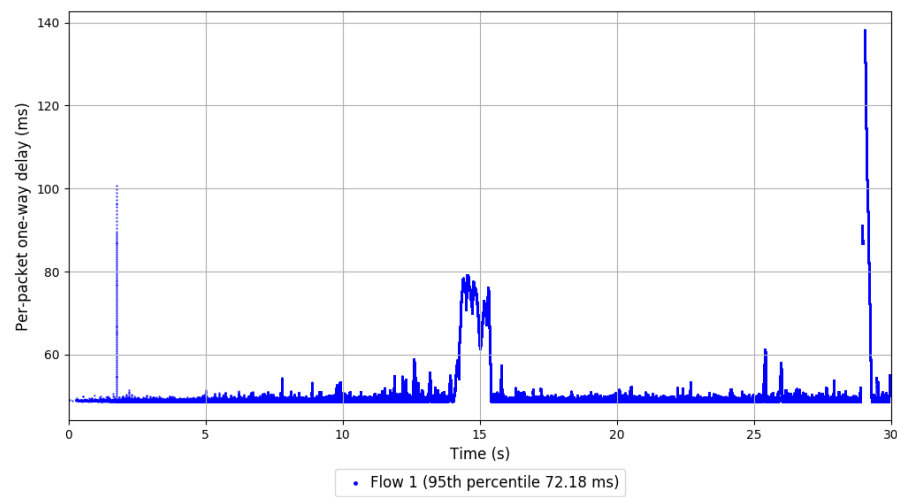
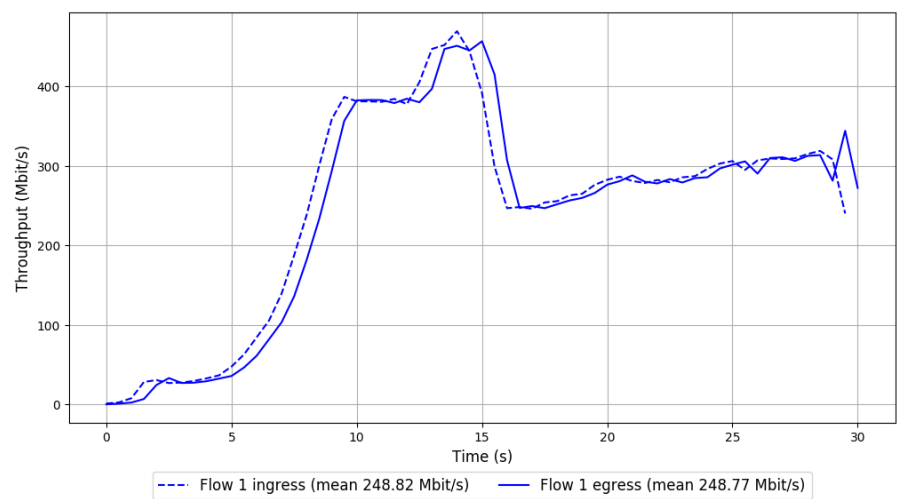


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-12 00:49:35
End at: 2018-07-12 00:50:05
Local clock offset: 0.351 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 03:46:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.77 Mbit/s
95th percentile per-packet one-way delay: 72.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.77 Mbit/s
95th percentile per-packet one-way delay: 72.182 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

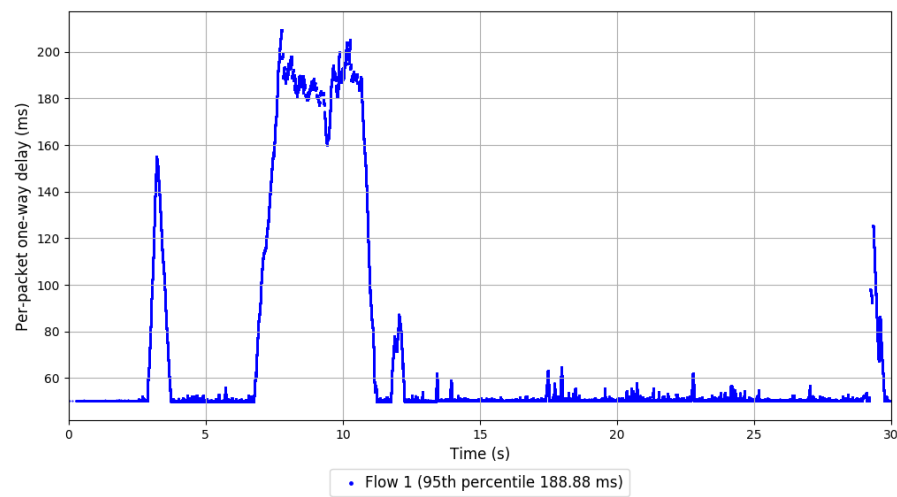
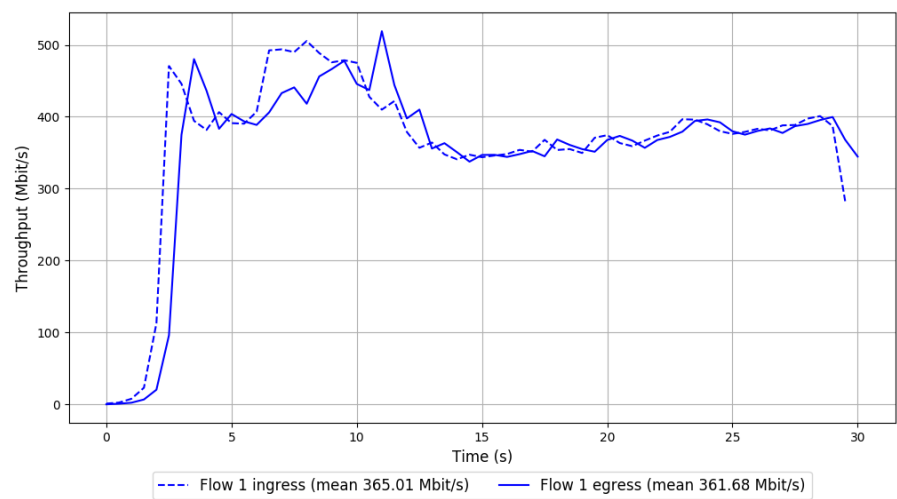


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-12 01:11:40
End at: 2018-07-12 01:12:10
Local clock offset: 0.28 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-12 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.68 Mbit/s
95th percentile per-packet one-way delay: 188.882 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 361.68 Mbit/s
95th percentile per-packet one-way delay: 188.882 ms
Loss rate: 0.91%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-12 01:33:52

End at: 2018-07-12 01:34:22

Local clock offset: 0.299 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-12 03:46:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.44 Mbit/s

95th percentile per-packet one-way delay: 79.536 ms

Loss rate: 0.00%

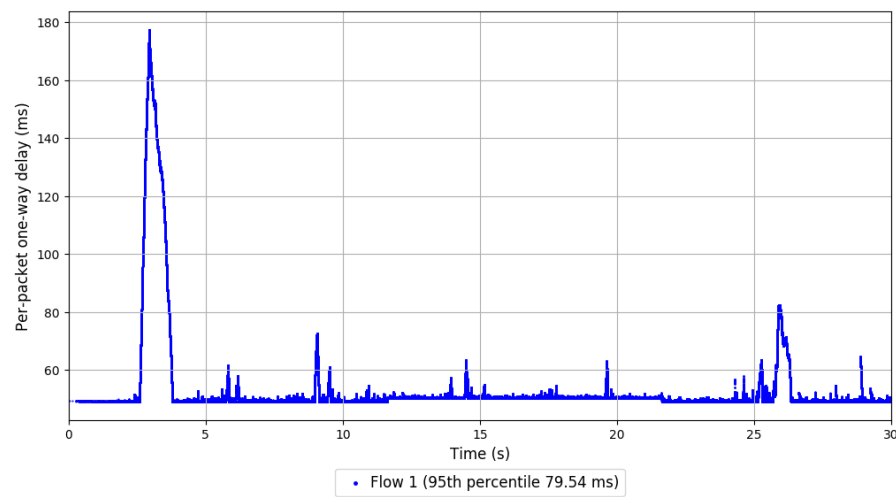
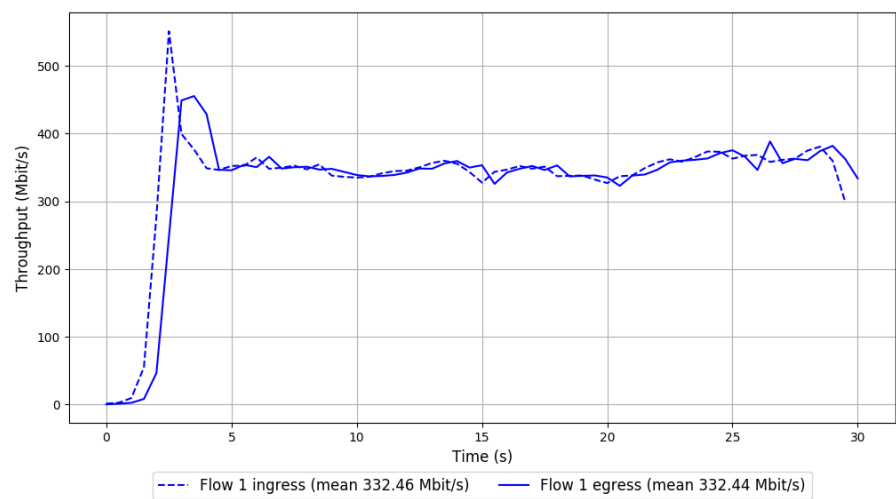
-- Flow 1:

Average throughput: 332.44 Mbit/s

95th percentile per-packet one-way delay: 79.536 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

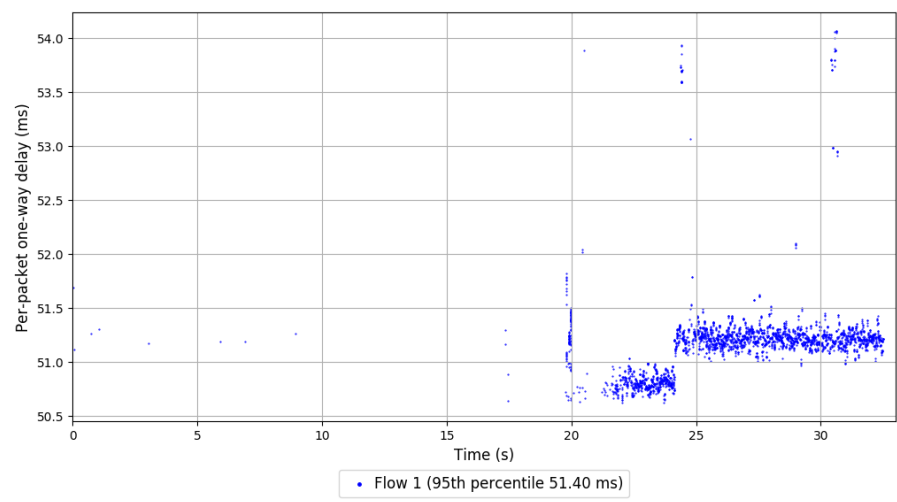
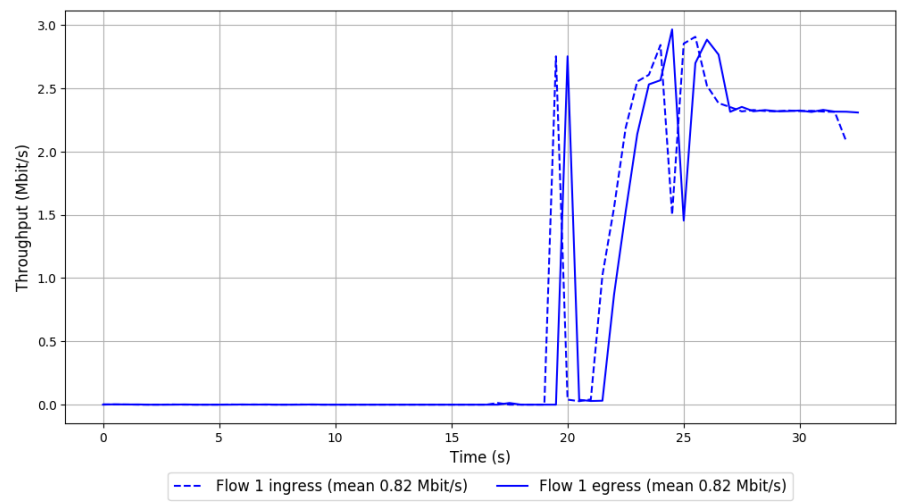


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-11 22:05:32
End at: 2018-07-11 22:06:02
Local clock offset: -0.402 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-07-12 03:46:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 51.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 51.404 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

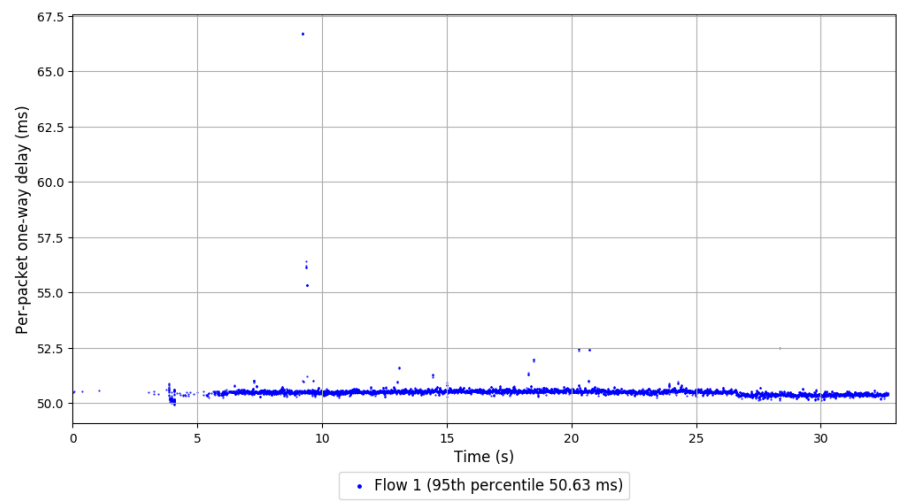
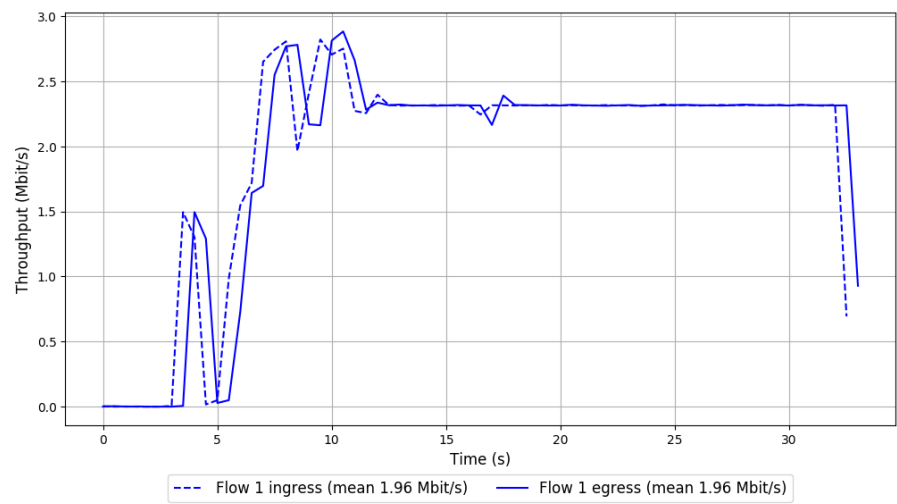


Run 2: Statistics of WebRTC media

Start at: 2018-07-11 22:27:40
End at: 2018-07-11 22:28:10
Local clock offset: 0.306 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.631 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

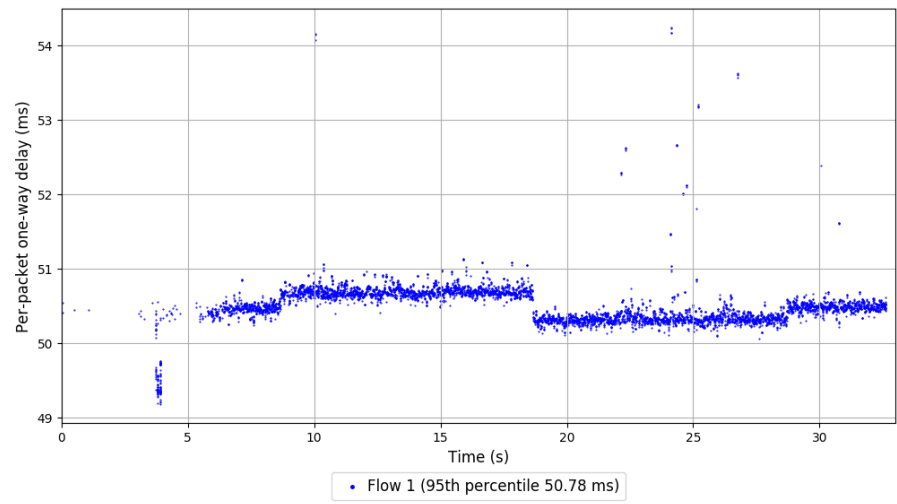
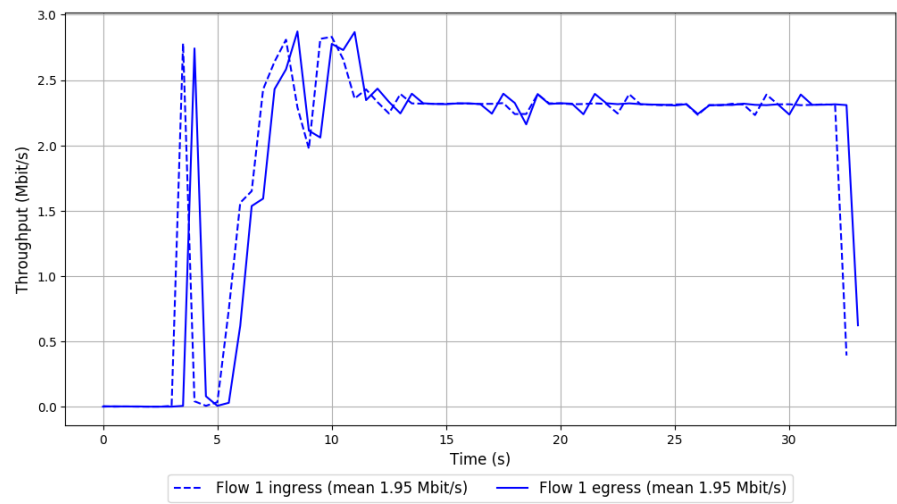


Run 3: Statistics of WebRTC media

Start at: 2018-07-11 22:49:38
End at: 2018-07-11 22:50:08
Local clock offset: 0.311 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-12 03:46:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.777 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-11 23:12:09

End at: 2018-07-11 23:12:39

Local clock offset: -0.088 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-12 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.498 ms

Loss rate: 0.00%

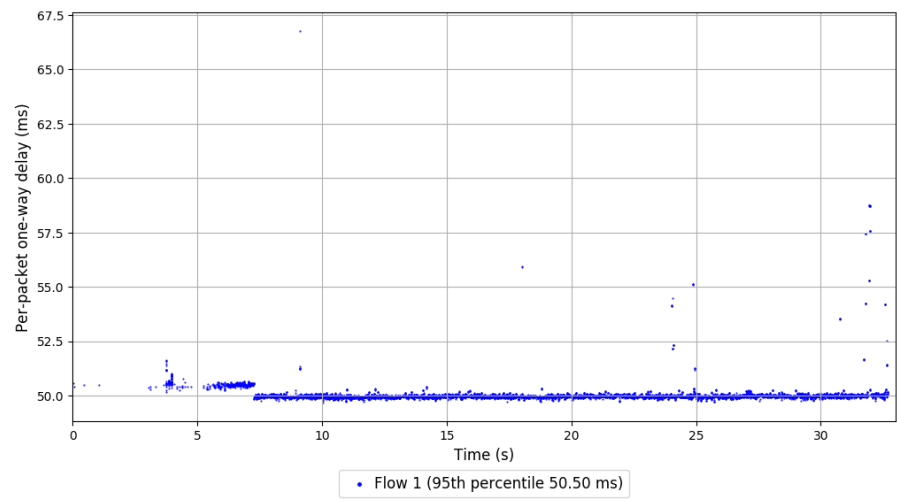
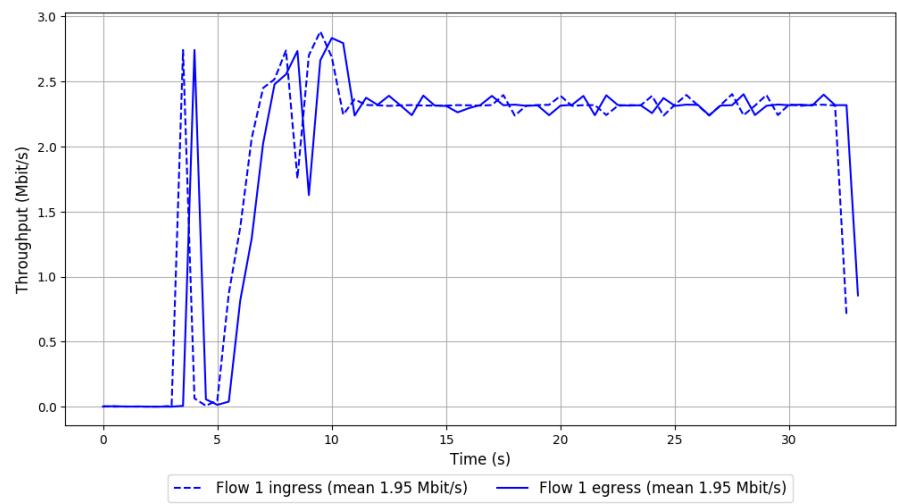
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.498 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-11 23:34:06

End at: 2018-07-11 23:34:36

Local clock offset: -0.078 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-12 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.00%

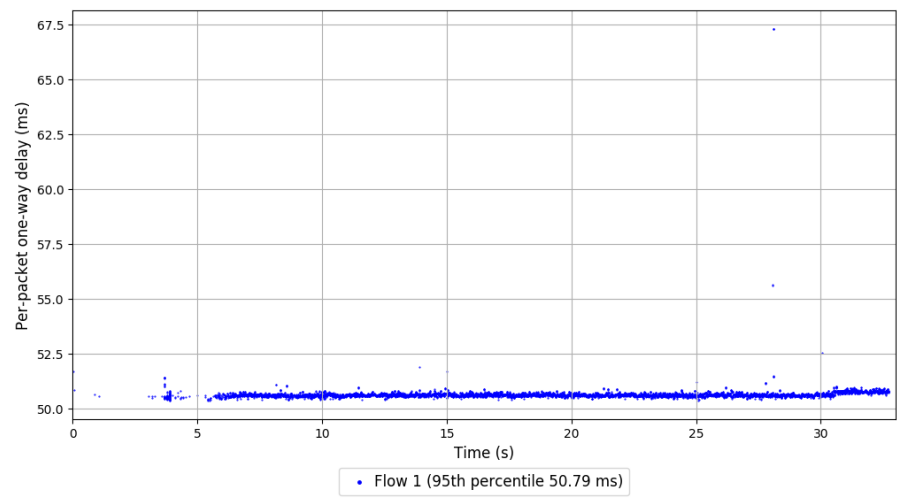
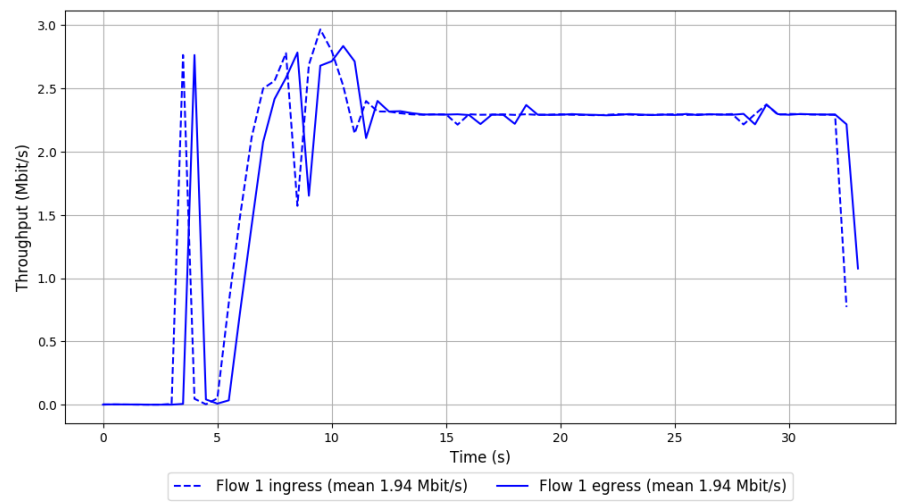
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

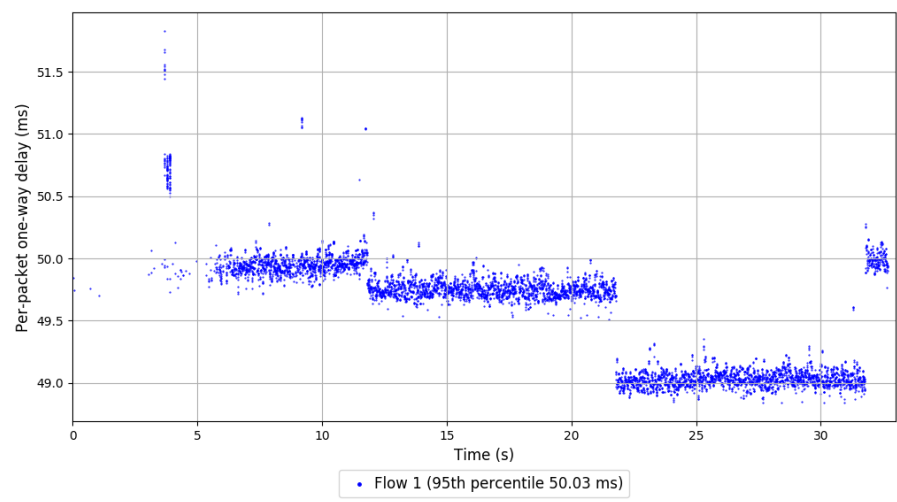
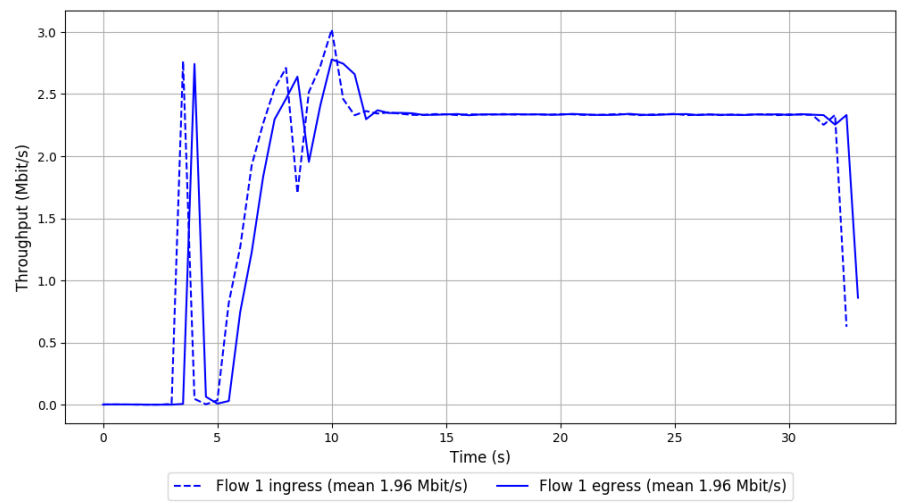


Run 6: Statistics of WebRTC media

Start at: 2018-07-11 23:56:15
End at: 2018-07-11 23:56:45
Local clock offset: -0.059 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 03:46:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.034 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-12 00:18:34

End at: 2018-07-12 00:19:04

Local clock offset: 0.33 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-12 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 50.524 ms

Loss rate: 0.00%

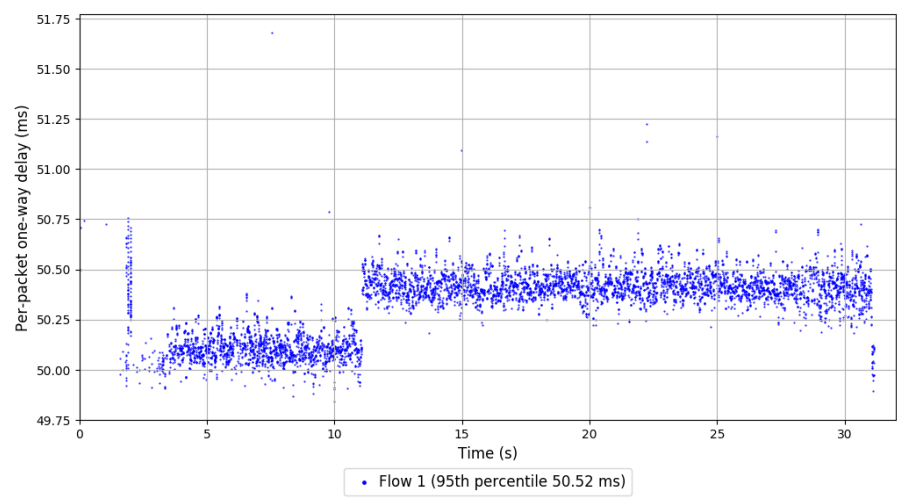
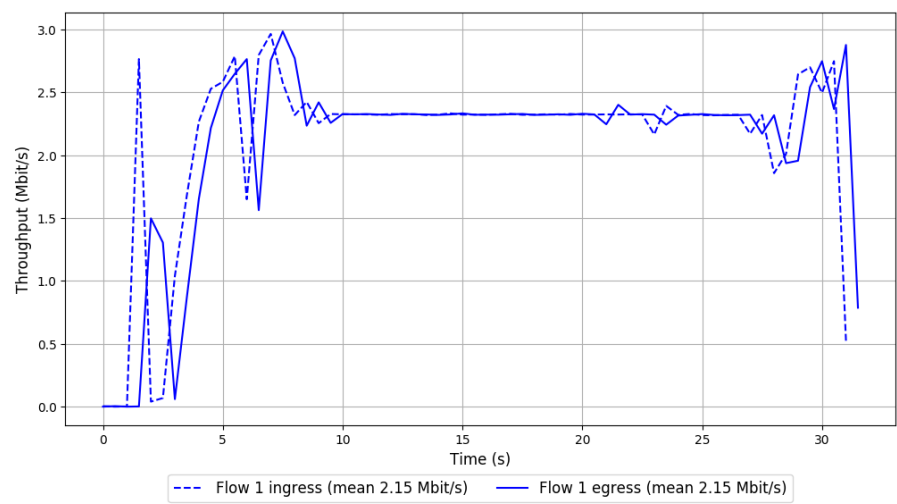
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 50.524 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-12 00:40:41

End at: 2018-07-12 00:41:11

Local clock offset: -0.034 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-12 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.917 ms

Loss rate: 0.02%

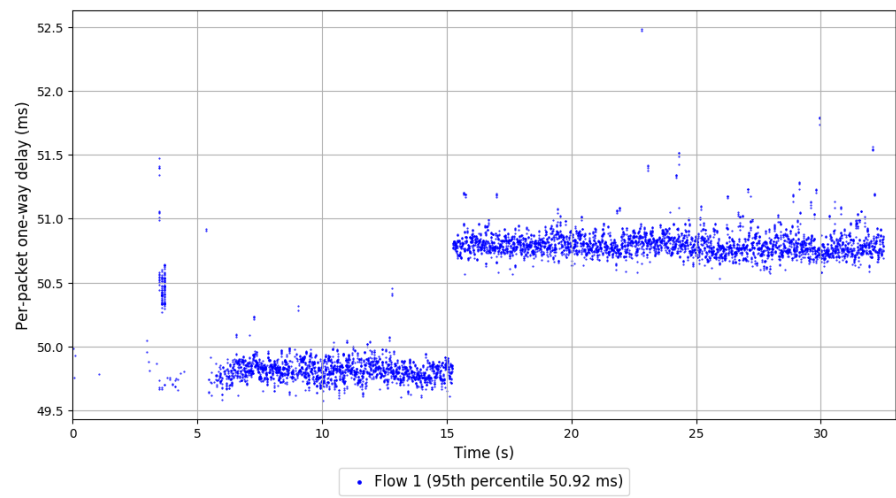
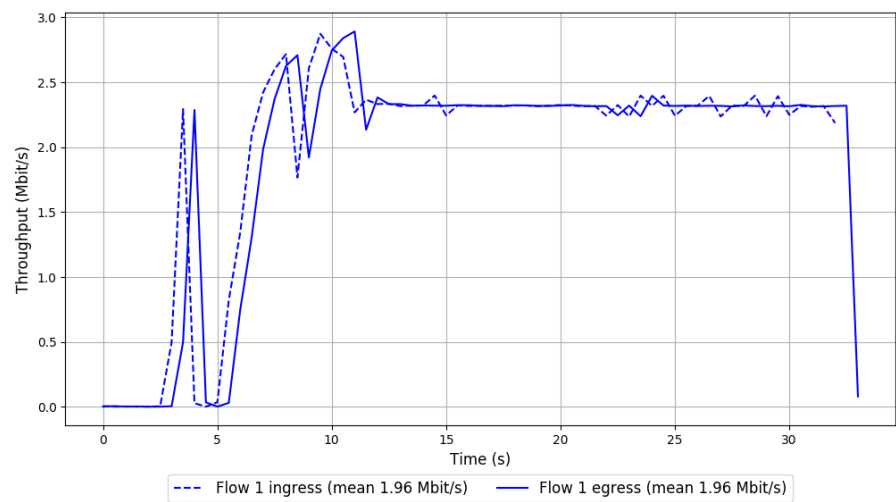
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.917 ms

Loss rate: 0.02%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-12 01:02:44

End at: 2018-07-12 01:03:14

Local clock offset: -0.053 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-12 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 50.618 ms

Loss rate: 0.00%

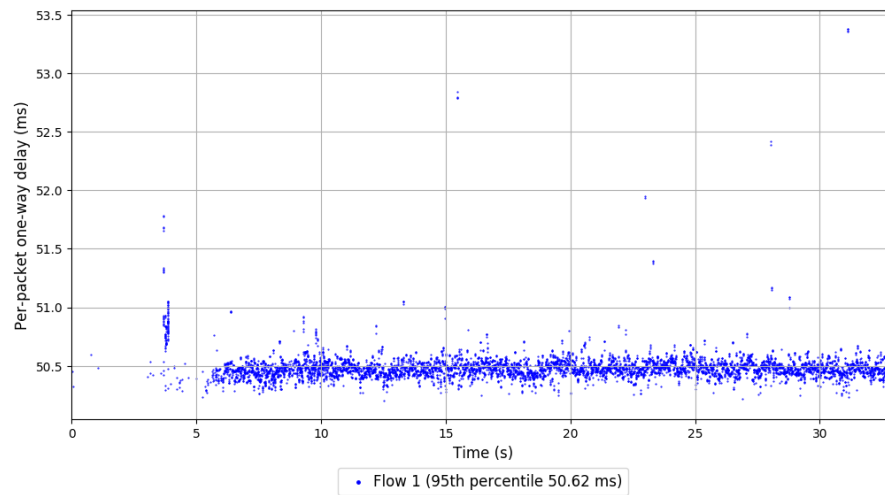
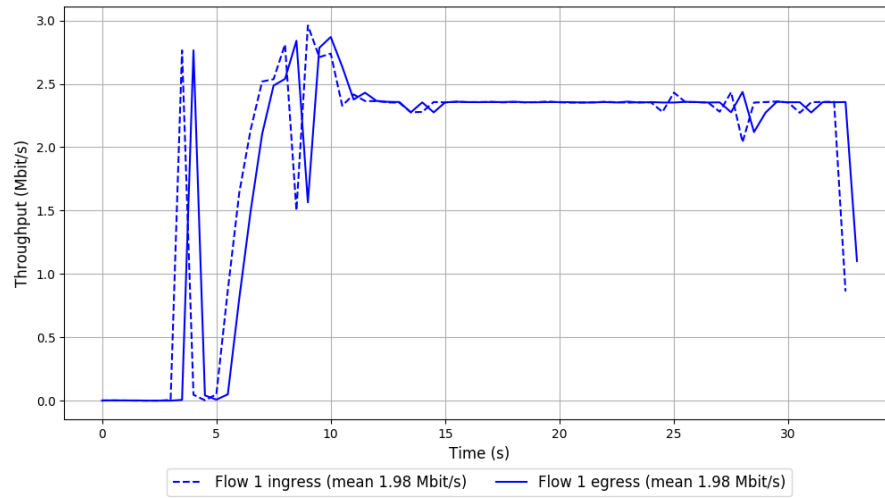
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 50.618 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-12 01:25:06

End at: 2018-07-12 01:25:36

Local clock offset: 0.347 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-12 03:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 49.586 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 49.586 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

