

Pantheon Report

Generated at 2018-07-12 16:19:11 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE London Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

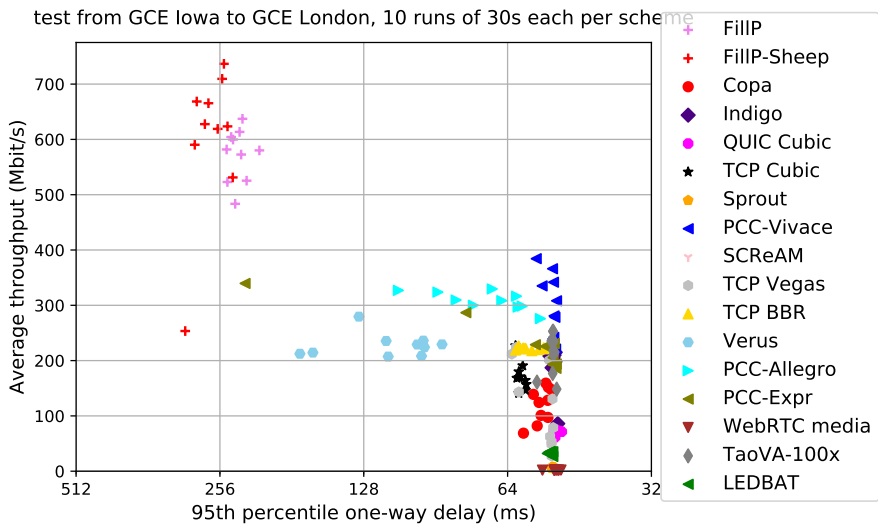
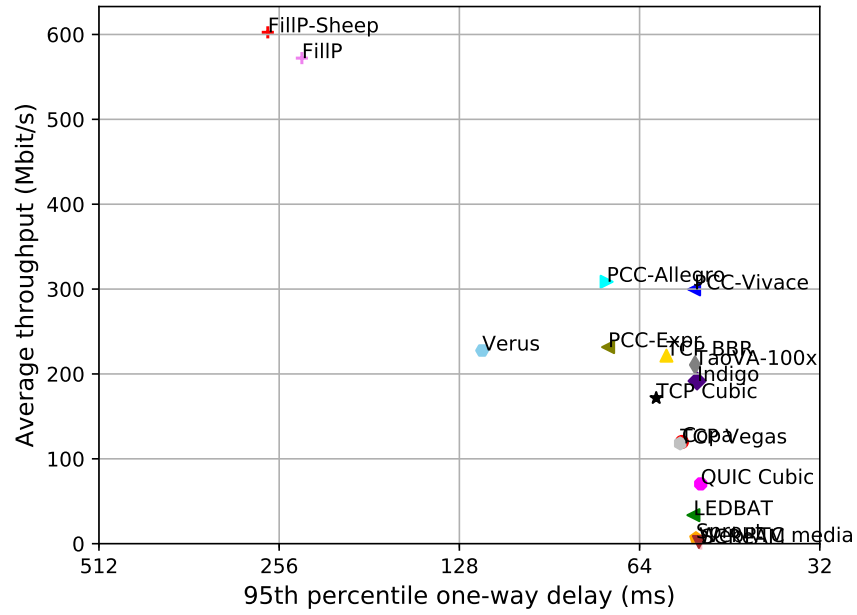
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



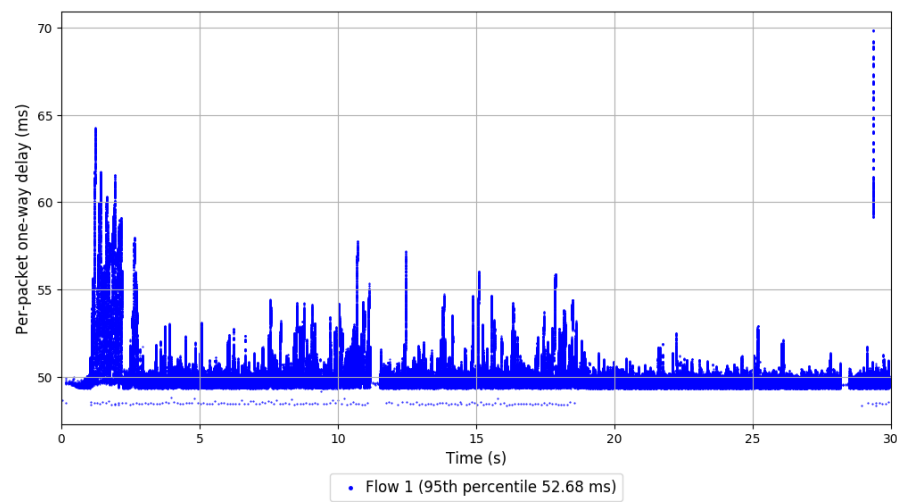
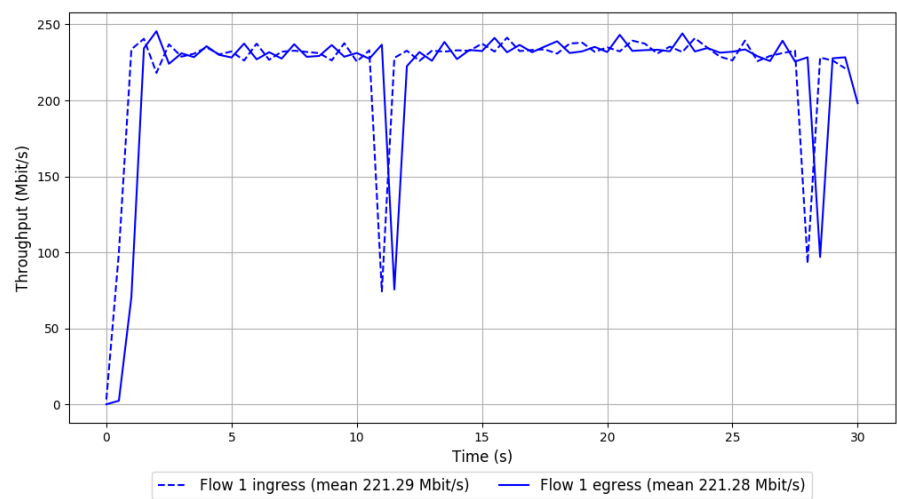
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	221.58	57.72	0.35
Copa	10	119.88	54.38	0.35
TCP Cubic	10	171.60	60.04	0.32
FillP	10	572.13	234.59	1.02
FillP-Sheep	10	602.52	267.43	1.74
Indigo	9	191.70	51.31	0.37
LEDBAT	10	33.61	52.04	0.67
PCC-Allegro	10	308.61	72.64	0.46
PCC-Expr	10	231.61	72.24	0.61
QUIC Cubic	9	70.45	50.59	0.39
SCReAM	10	0.22	50.57	0.36
Sprout	10	6.54	51.52	0.32
TaoVA-100x	10	210.70	51.71	0.34
TCP Vegas	10	118.12	54.74	0.28
Verus	10	227.62	117.26	0.46
PCC-Vivace	10	299.64	51.90	0.39
WebRTC media	9	1.99	50.95	0.40

Run 1: Statistics of TCP BBR

Start at: 2018-07-12 11:20:00
End at: 2018-07-12 11:20:30
Local clock offset: -0.594 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-12 14:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.28 Mbit/s
95th percentile per-packet one-way delay: 52.680 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 221.28 Mbit/s
95th percentile per-packet one-way delay: 52.680 ms
Loss rate: 0.34%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-12 11:41:20

End at: 2018-07-12 11:41:50

Local clock offset: 0.149 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-12 14:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.38 Mbit/s

95th percentile per-packet one-way delay: 60.691 ms

Loss rate: 0.34%

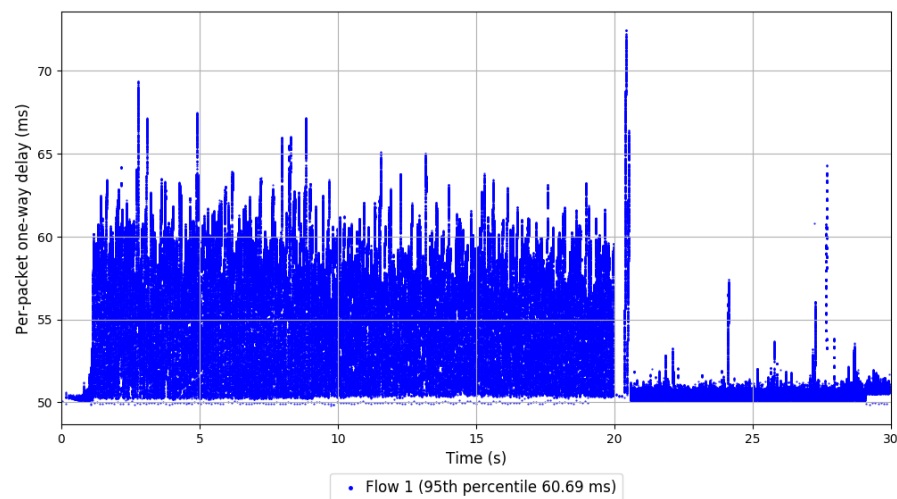
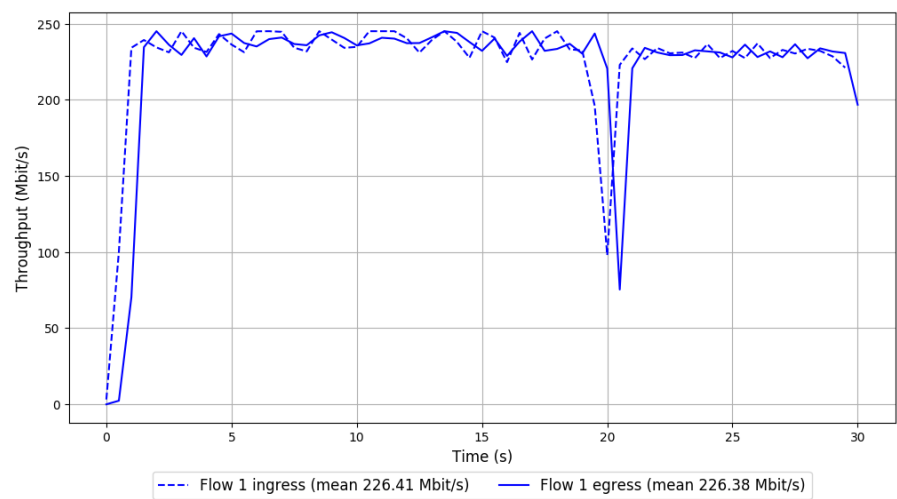
-- Flow 1:

Average throughput: 226.38 Mbit/s

95th percentile per-packet one-way delay: 60.691 ms

Loss rate: 0.34%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

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

End at: 2018-07-12 12:03:35

Local clock offset: 0.162 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-12 14:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.11 Mbit/s

95th percentile per-packet one-way delay: 53.763 ms

Loss rate: 0.35%

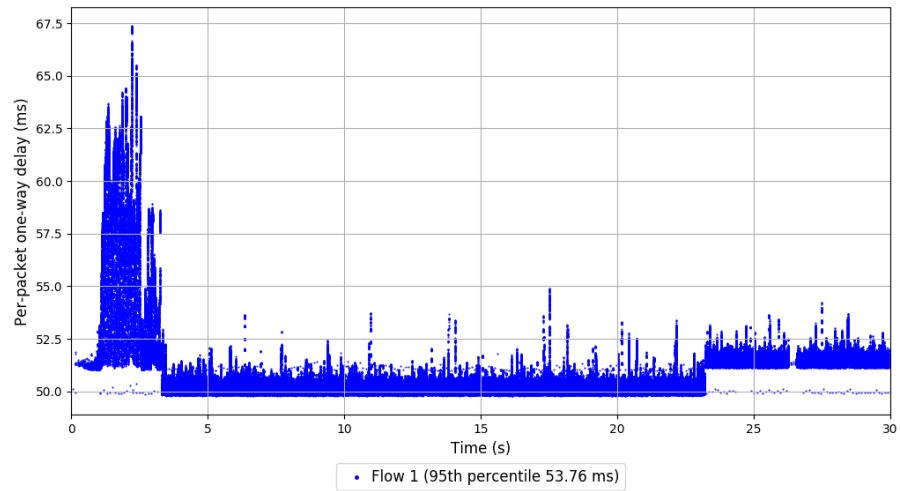
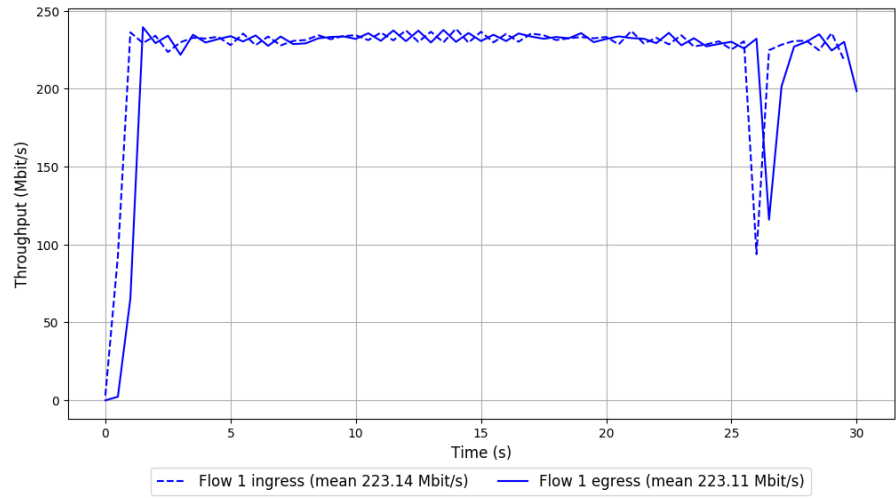
-- Flow 1:

Average throughput: 223.11 Mbit/s

95th percentile per-packet one-way delay: 53.763 ms

Loss rate: 0.35%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-12 12:24:54

End at: 2018-07-12 12:25:24

Local clock offset: -0.568 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-12 14:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.66 Mbit/s

95th percentile per-packet one-way delay: 59.340 ms

Loss rate: 0.34%

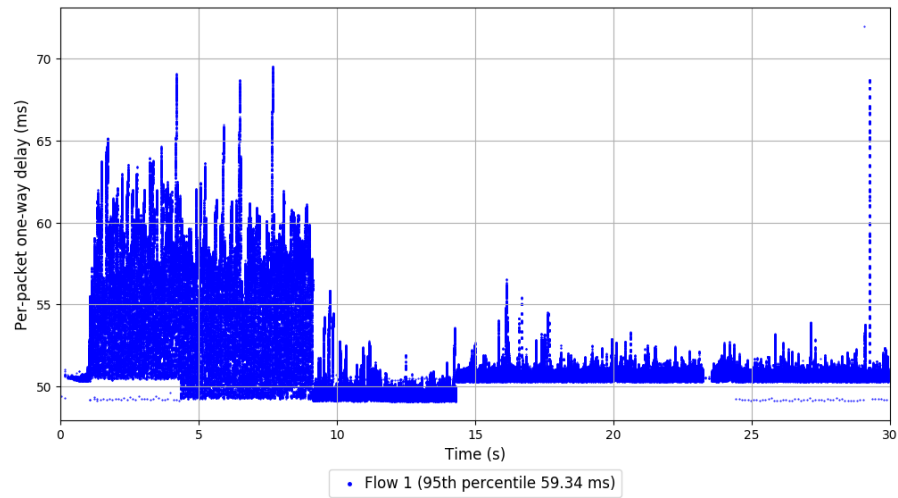
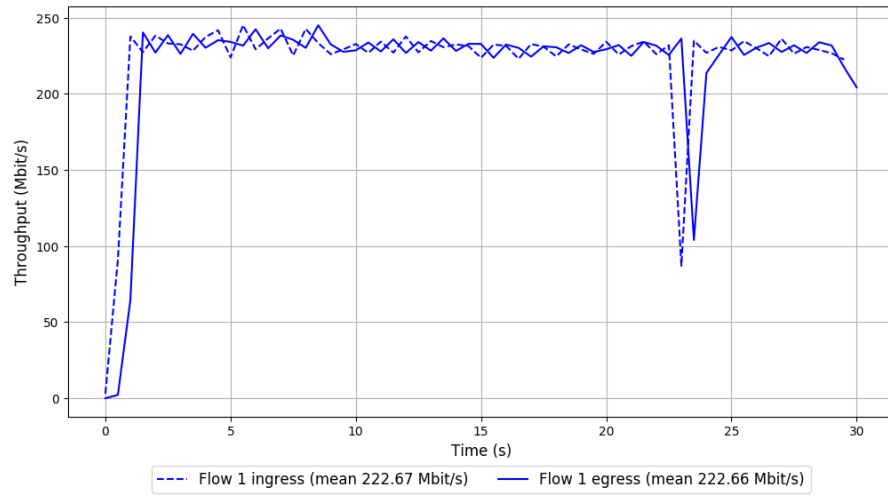
-- Flow 1:

Average throughput: 222.66 Mbit/s

95th percentile per-packet one-way delay: 59.340 ms

Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link

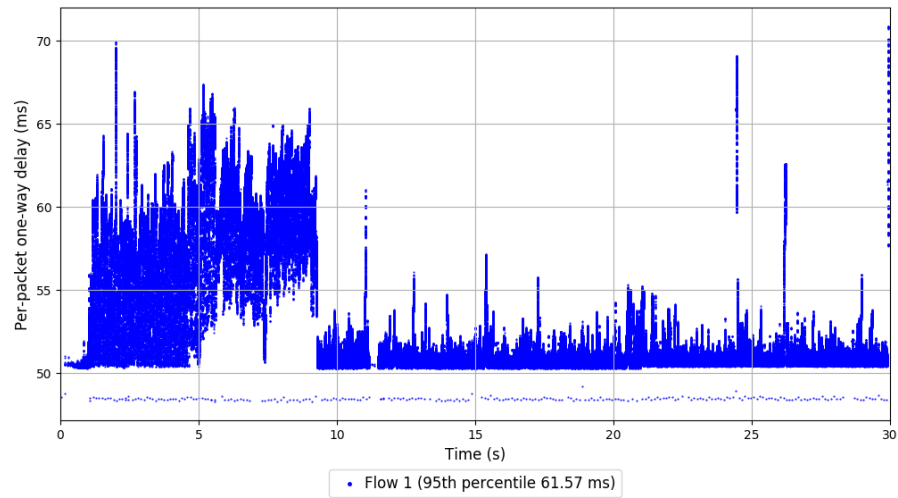
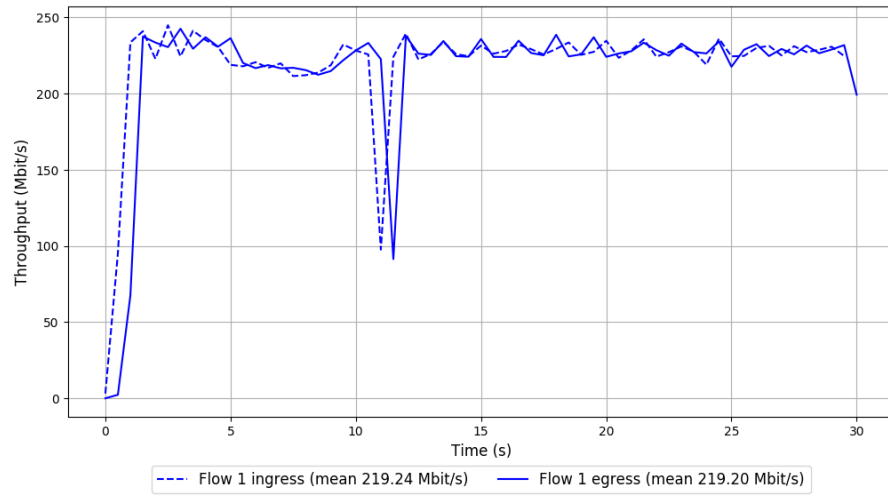


Run 5: Statistics of TCP BBR

Start at: 2018-07-12 12:46:28
End at: 2018-07-12 12:46:58
Local clock offset: -0.576 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 14:55:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.20 Mbit/s
95th percentile per-packet one-way delay: 61.570 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 219.20 Mbit/s
95th percentile per-packet one-way delay: 61.570 ms
Loss rate: 0.36%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-12 13:08:13

End at: 2018-07-12 13:08:43

Local clock offset: -0.61 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-12 14:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.07 Mbit/s

95th percentile per-packet one-way delay: 55.034 ms

Loss rate: 0.35%

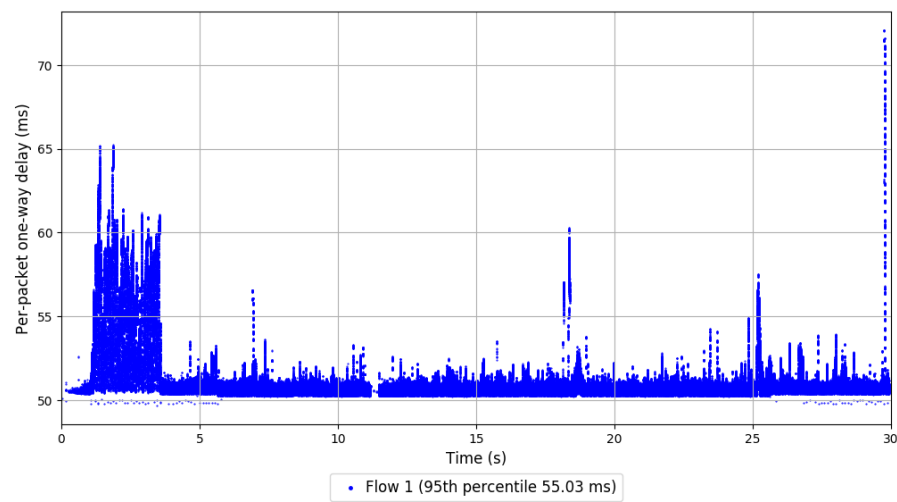
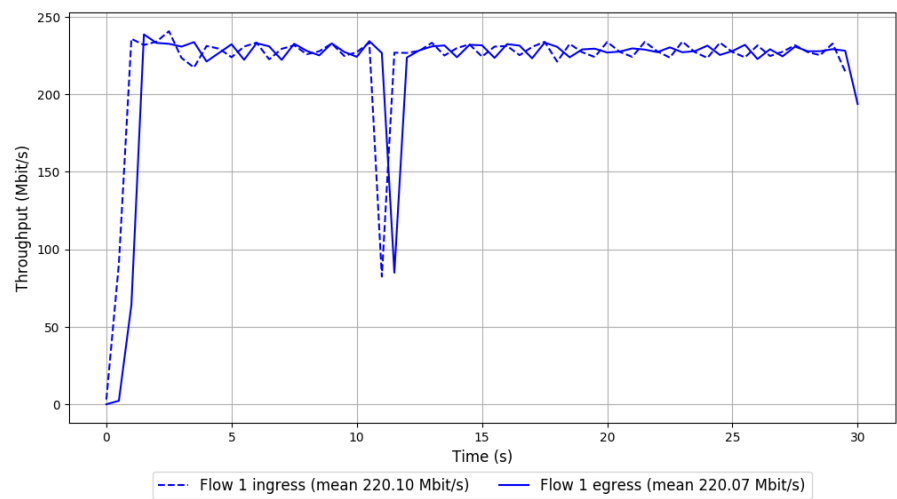
-- Flow 1:

Average throughput: 220.07 Mbit/s

95th percentile per-packet one-way delay: 55.034 ms

Loss rate: 0.35%

Run 6: Report of TCP BBR — Data Link

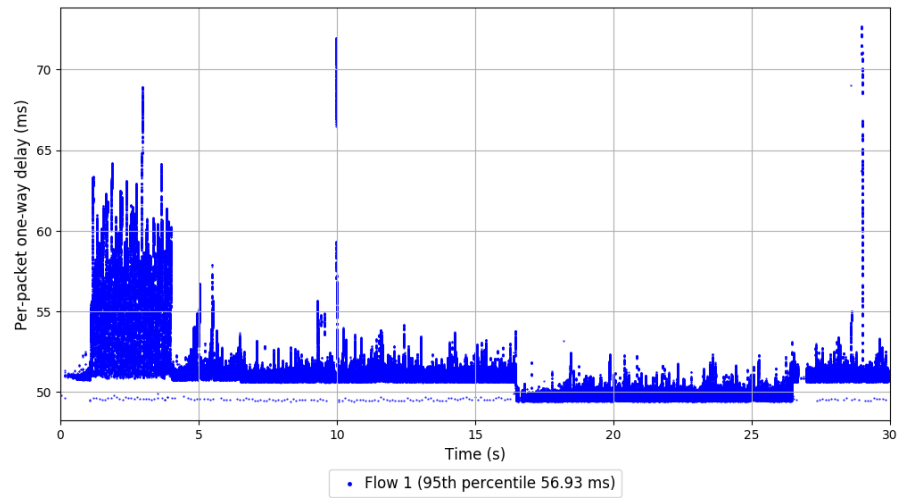
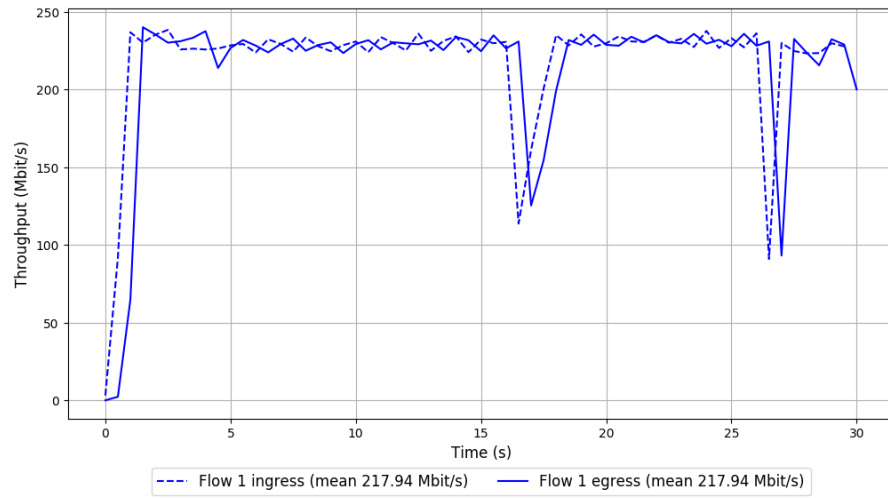


Run 7: Statistics of TCP BBR

Start at: 2018-07-12 13:29:42
End at: 2018-07-12 13:30:12
Local clock offset: -0.267 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 14:55:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.94 Mbit/s
95th percentile per-packet one-way delay: 56.933 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 217.94 Mbit/s
95th percentile per-packet one-way delay: 56.933 ms
Loss rate: 0.38%

Run 7: Report of TCP BBR — Data Link

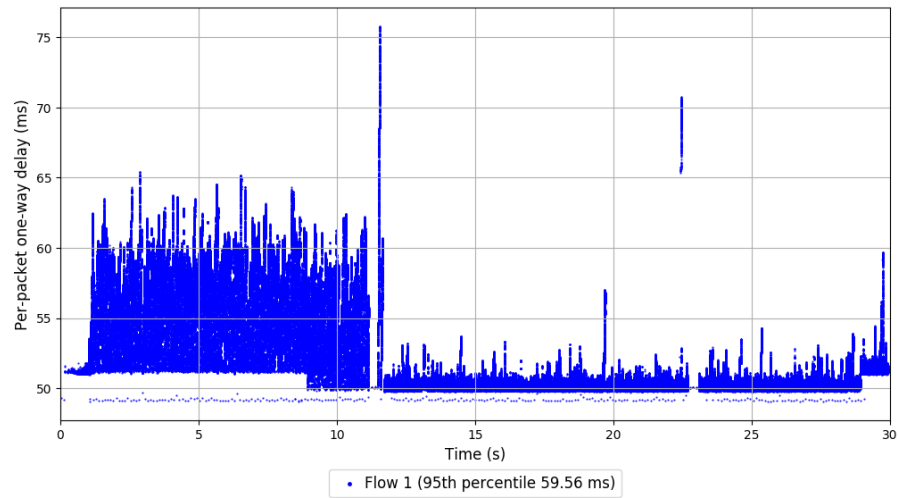
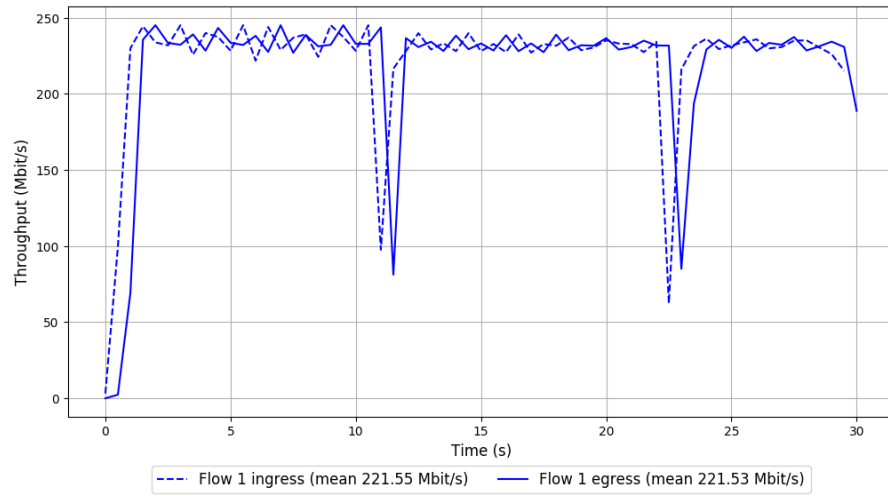


Run 8: Statistics of TCP BBR

Start at: 2018-07-12 13:51:30
End at: 2018-07-12 13:52:00
Local clock offset: 0.112 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-12 14:55:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.53 Mbit/s
95th percentile per-packet one-way delay: 59.564 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 221.53 Mbit/s
95th percentile per-packet one-way delay: 59.564 ms
Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link

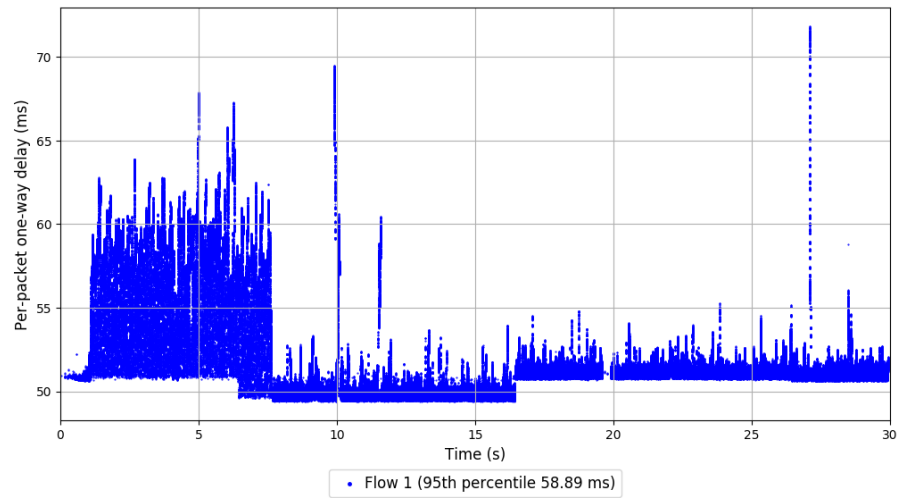
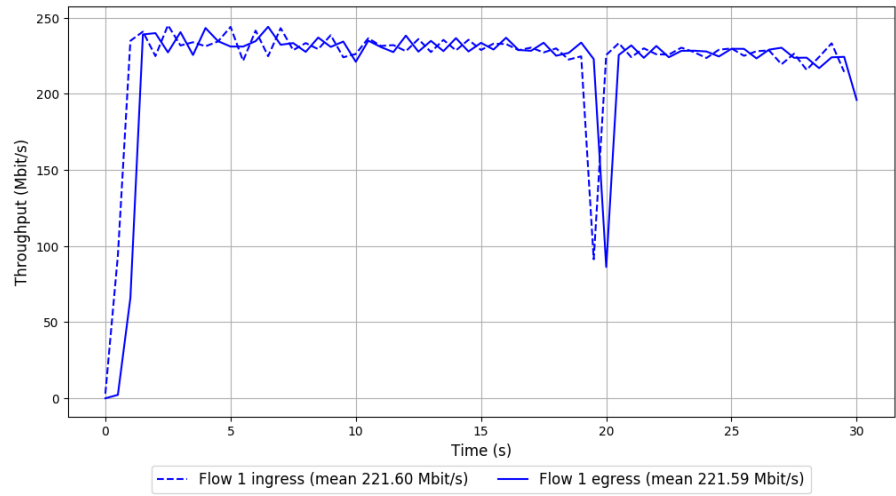


Run 9: Statistics of TCP BBR

Start at: 2018-07-12 14:12:42
End at: 2018-07-12 14:13:12
Local clock offset: -0.272 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-12 14:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.59 Mbit/s
95th percentile per-packet one-way delay: 58.894 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 221.59 Mbit/s
95th percentile per-packet one-way delay: 58.894 ms
Loss rate: 0.35%

Run 9: Report of TCP BBR — Data Link

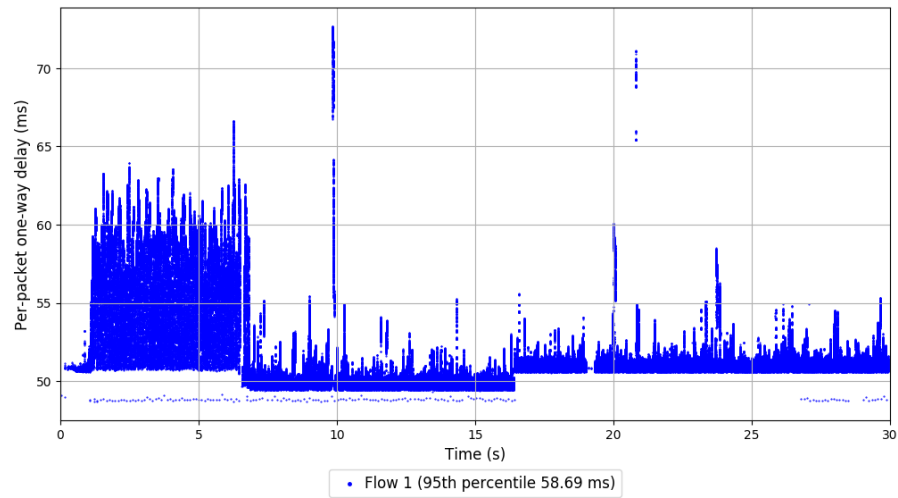
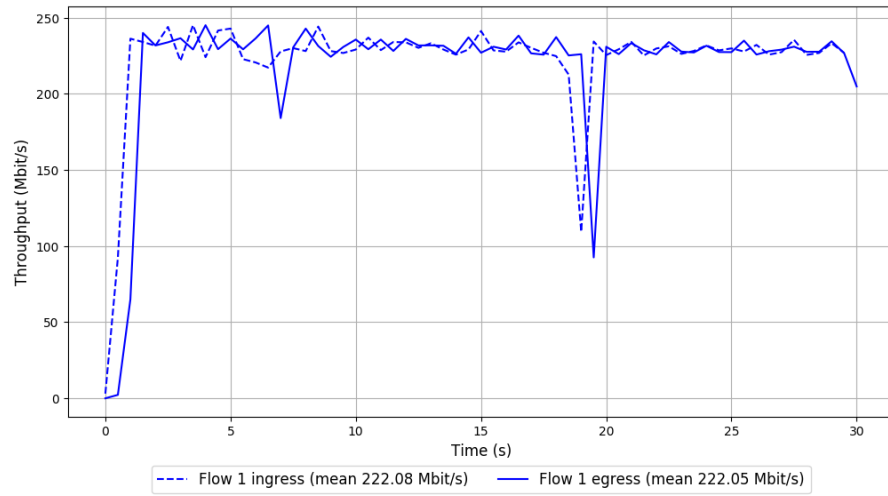


Run 10: Statistics of TCP BBR

Start at: 2018-07-12 14:34:42
End at: 2018-07-12 14:35:12
Local clock offset: -0.228 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-12 14:58:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.05 Mbit/s
95th percentile per-packet one-way delay: 58.691 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 222.05 Mbit/s
95th percentile per-packet one-way delay: 58.691 ms
Loss rate: 0.35%

Run 10: Report of TCP BBR — Data Link

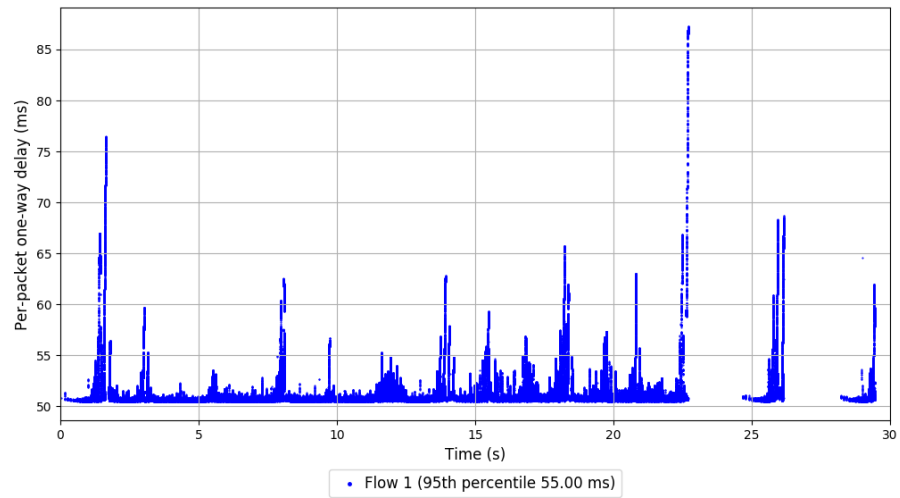
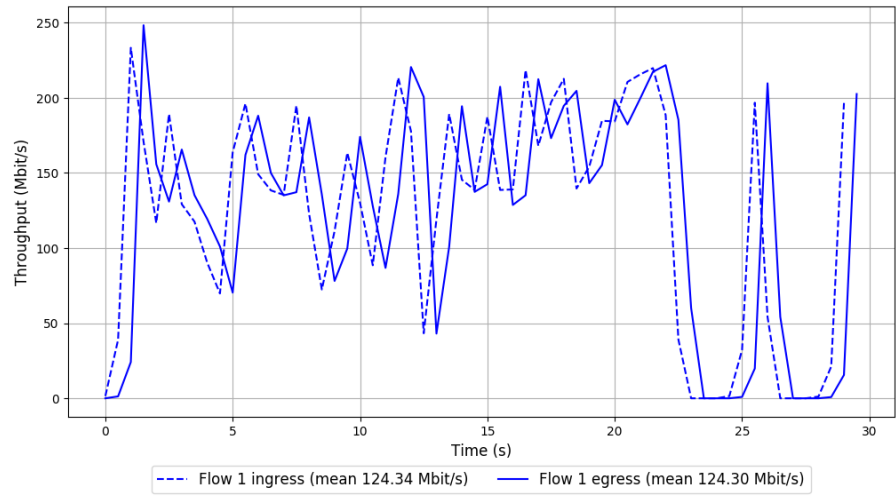


Run 1: Statistics of Copa

Start at: 2018-07-12 11:22:20
End at: 2018-07-12 11:22:50
Local clock offset: -0.235 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-12 14:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.30 Mbit/s
95th percentile per-packet one-way delay: 54.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.30 Mbit/s
95th percentile per-packet one-way delay: 54.998 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

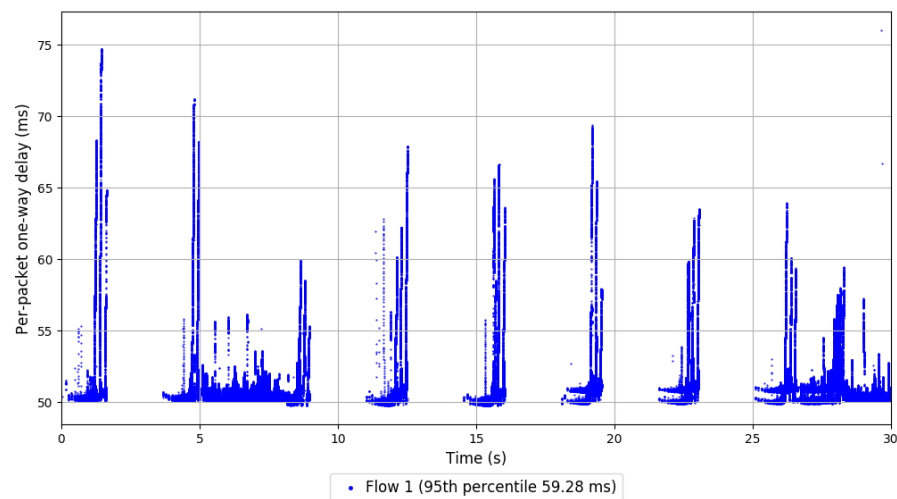
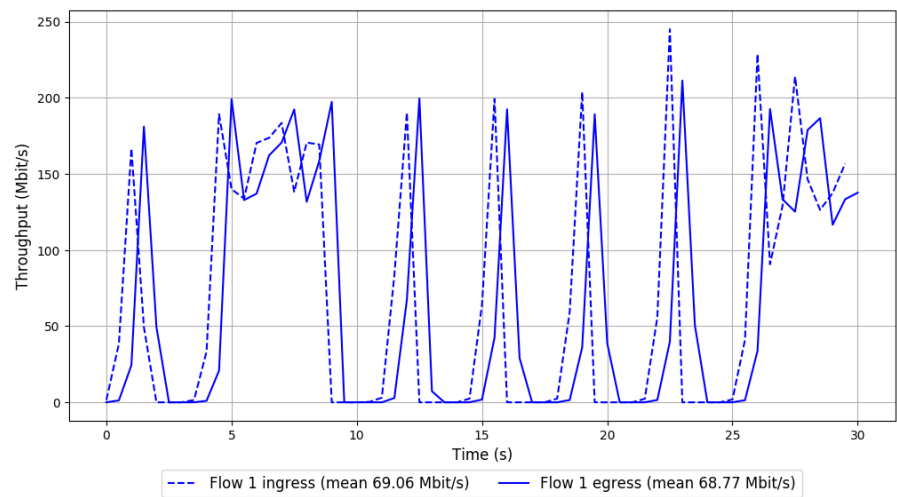


Run 2: Statistics of Copa

Start at: 2018-07-12 11:43:40
End at: 2018-07-12 11:44:10
Local clock offset: -0.199 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-12 14:58:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 59.283 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 59.283 ms
Loss rate: 0.79%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-12 12:05:26

End at: 2018-07-12 12:05:56

Local clock offset: -0.153 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-12 14:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.99 Mbit/s

95th percentile per-packet one-way delay: 55.491 ms

Loss rate: 0.29%

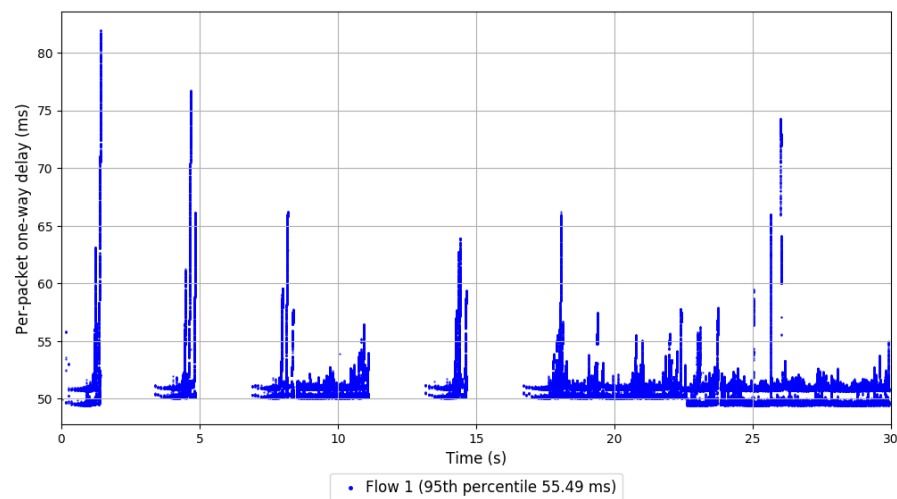
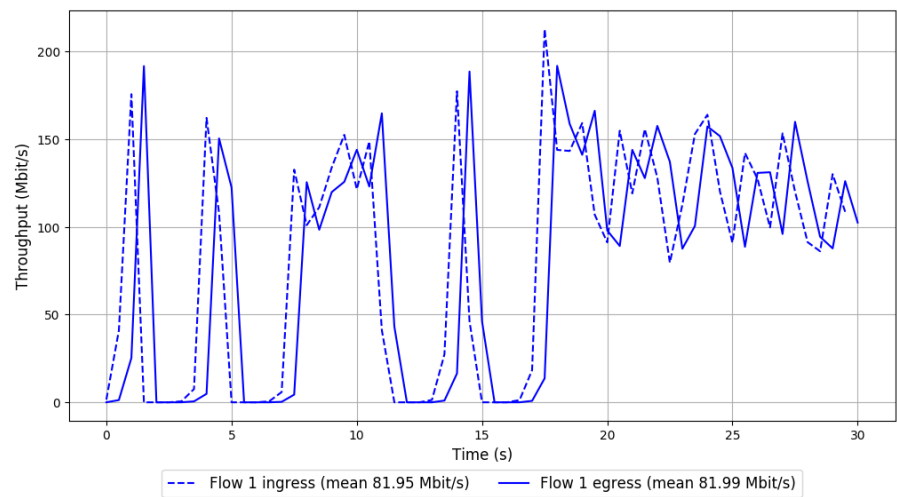
-- Flow 1:

Average throughput: 81.99 Mbit/s

95th percentile per-packet one-way delay: 55.491 ms

Loss rate: 0.29%

Run 3: Report of Copa — Data Link

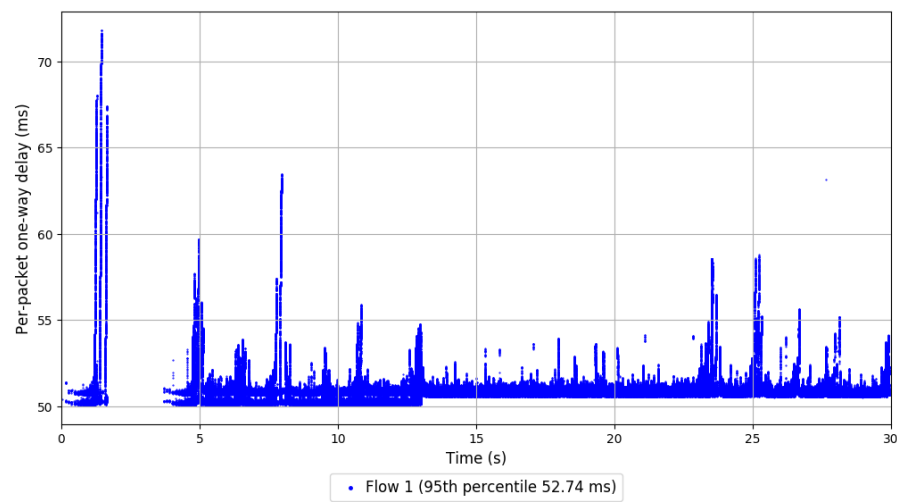
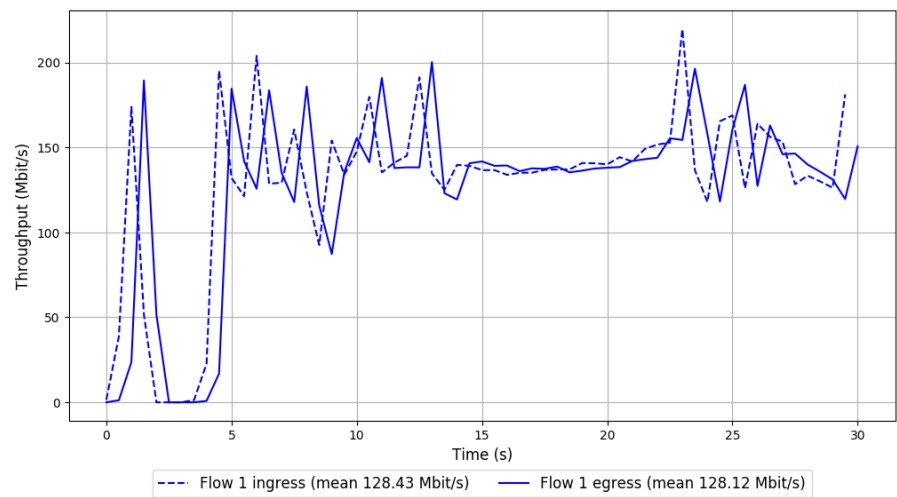


Run 4: Statistics of Copa

Start at: 2018-07-12 12:27:16
End at: 2018-07-12 12:27:46
Local clock offset: -0.165 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-12 14:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.12 Mbit/s
95th percentile per-packet one-way delay: 52.739 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 128.12 Mbit/s
95th percentile per-packet one-way delay: 52.739 ms
Loss rate: 0.57%

Run 4: Report of Copa — Data Link

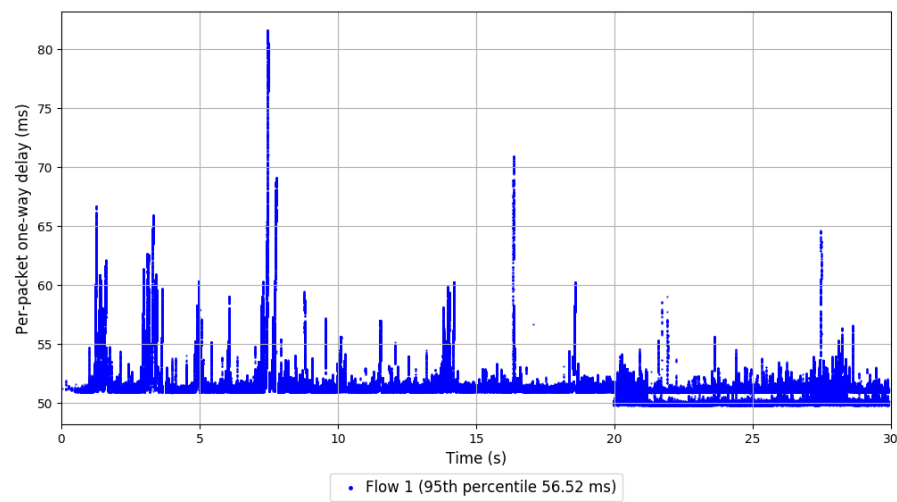
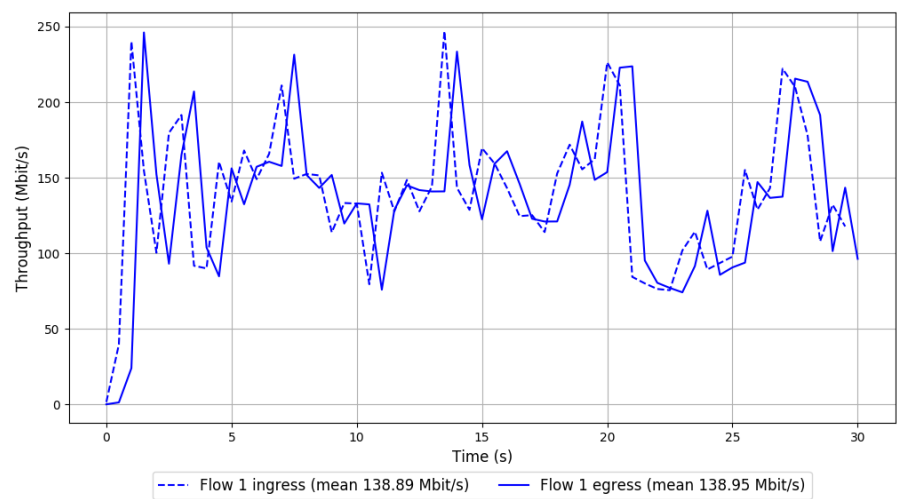


Run 5: Statistics of Copa

Start at: 2018-07-12 12:48:49
End at: 2018-07-12 12:49:19
Local clock offset: 0.145 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 14:59:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.95 Mbit/s
95th percentile per-packet one-way delay: 56.524 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 138.95 Mbit/s
95th percentile per-packet one-way delay: 56.524 ms
Loss rate: 0.29%

Run 5: Report of Copa — Data Link

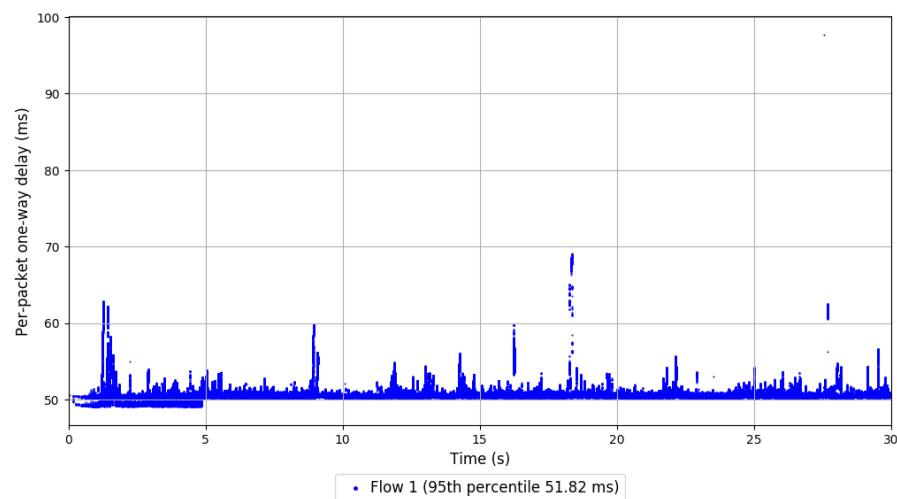
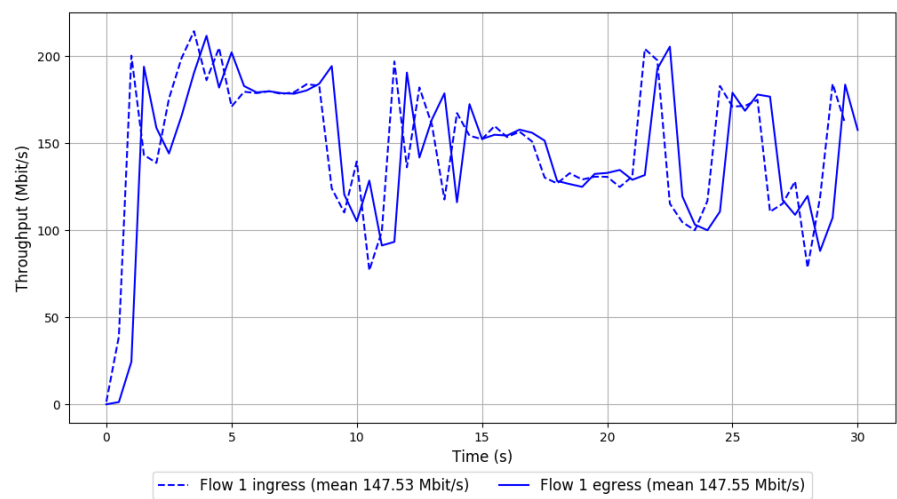


Run 6: Statistics of Copa

Start at: 2018-07-12 13:10:34
End at: 2018-07-12 13:11:04
Local clock offset: -0.598 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-12 14:59:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 147.55 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 0.32%

Run 6: Report of Copa — Data Link

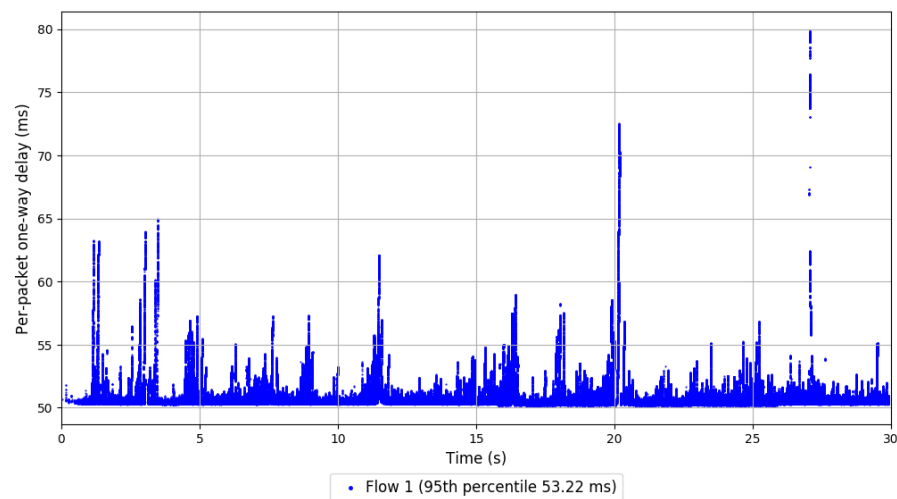
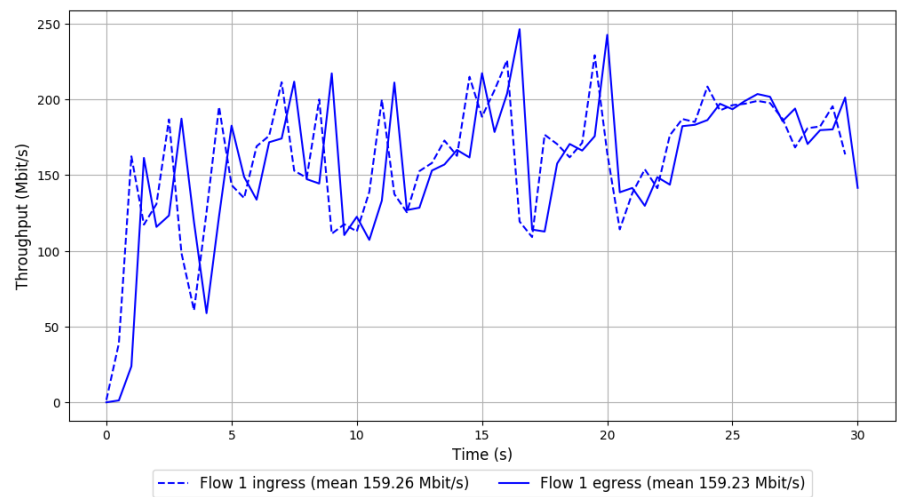


Run 7: Statistics of Copa

Start at: 2018-07-12 13:32:03
End at: 2018-07-12 13:32:33
Local clock offset: -0.597 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 15:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 0.36%

Run 7: Report of Copa — Data Link

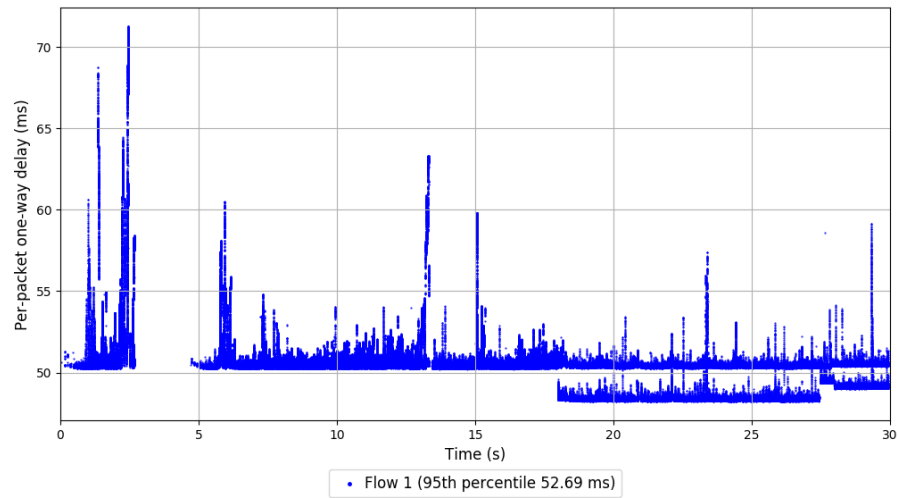
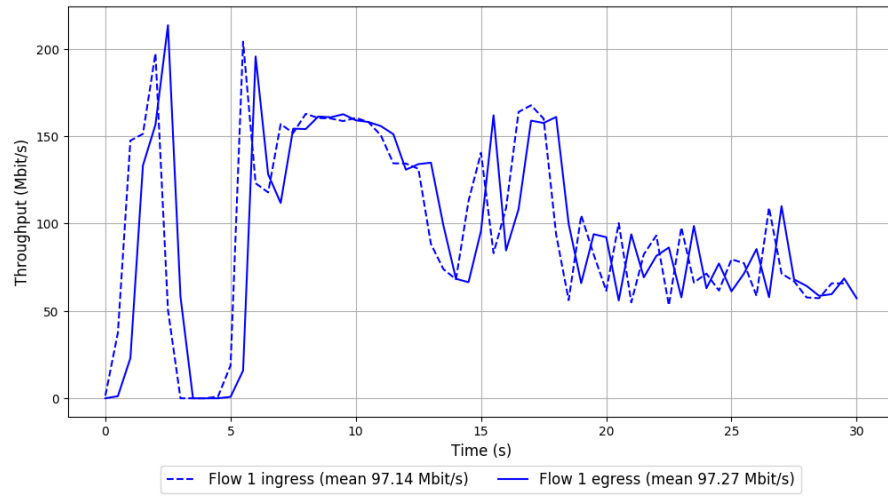


Run 8: Statistics of Copa

Start at: 2018-07-12 13:53:51
End at: 2018-07-12 13:54:21
Local clock offset: -0.617 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-12 15:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 52.690 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 52.690 ms
Loss rate: 0.22%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-12 14:15:03

End at: 2018-07-12 14:15:33

Local clock offset: 0.116 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-12 15:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.93 Mbit/s

95th percentile per-packet one-way delay: 54.467 ms

Loss rate: 0.37%

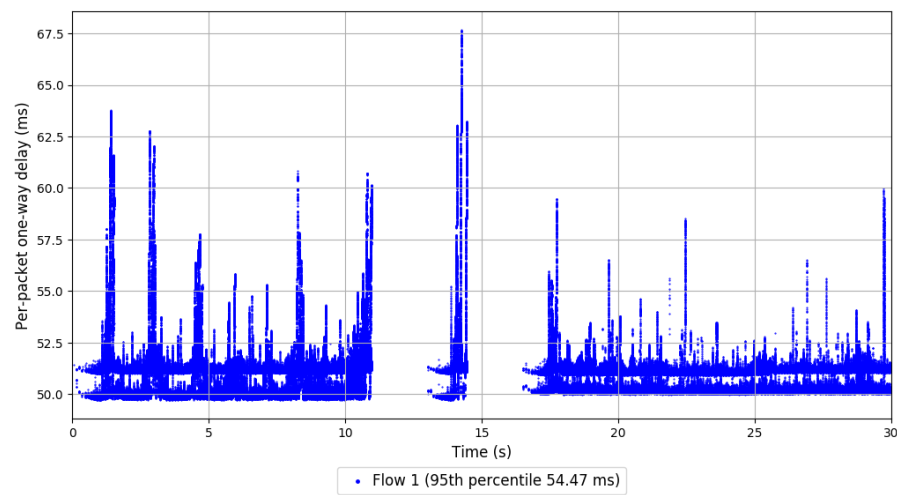
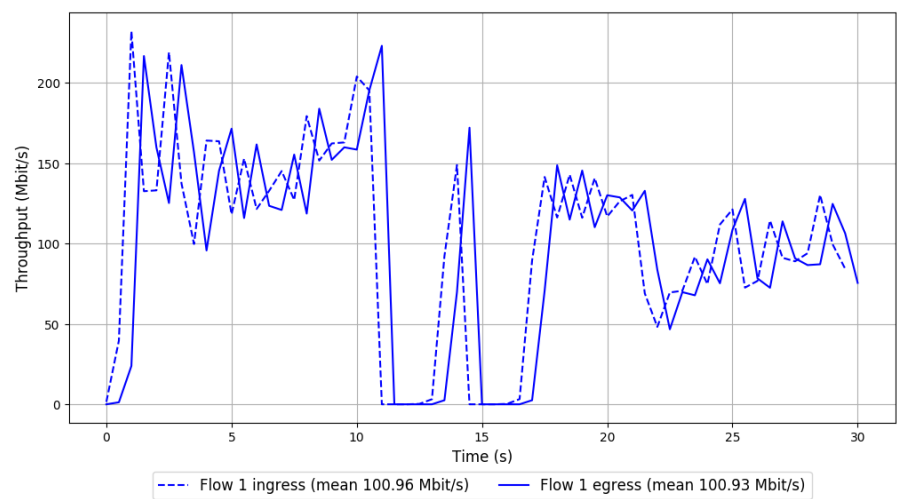
-- Flow 1:

Average throughput: 100.93 Mbit/s

95th percentile per-packet one-way delay: 54.467 ms

Loss rate: 0.37%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-12 14:37:07

End at: 2018-07-12 14:37:37

Local clock offset: 0.129 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-12 15:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.71 Mbit/s

95th percentile per-packet one-way delay: 52.585 ms

Loss rate: 0.31%

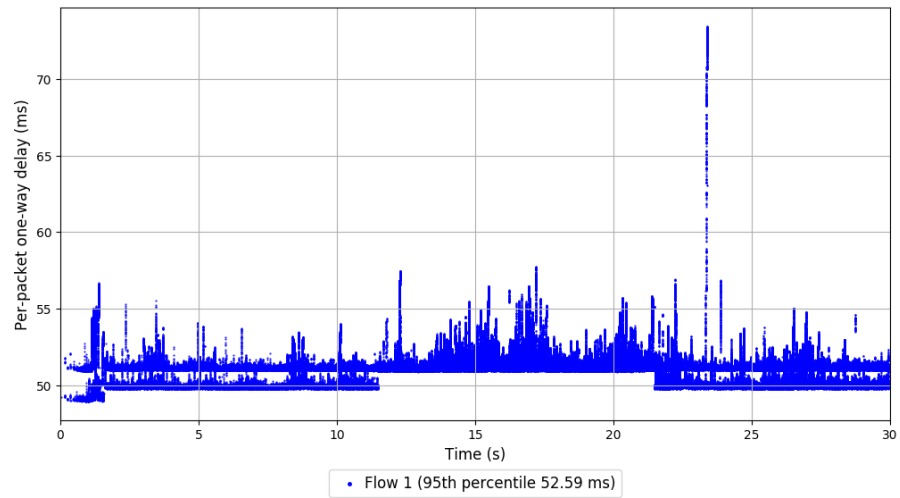
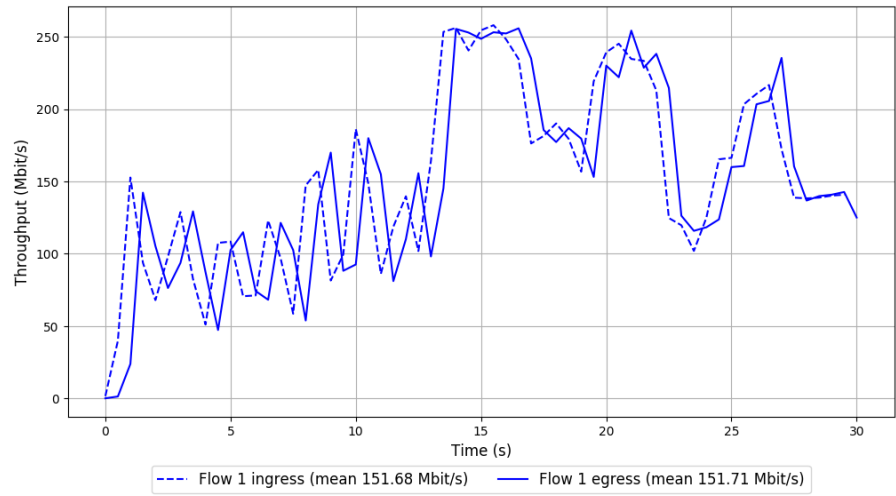
-- Flow 1:

Average throughput: 151.71 Mbit/s

95th percentile per-packet one-way delay: 52.585 ms

Loss rate: 0.31%

Run 10: Report of Copa — Data Link

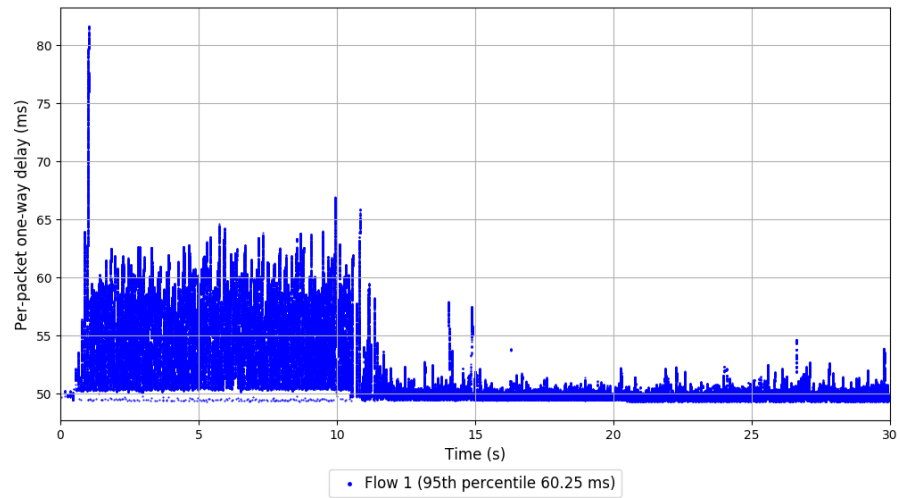
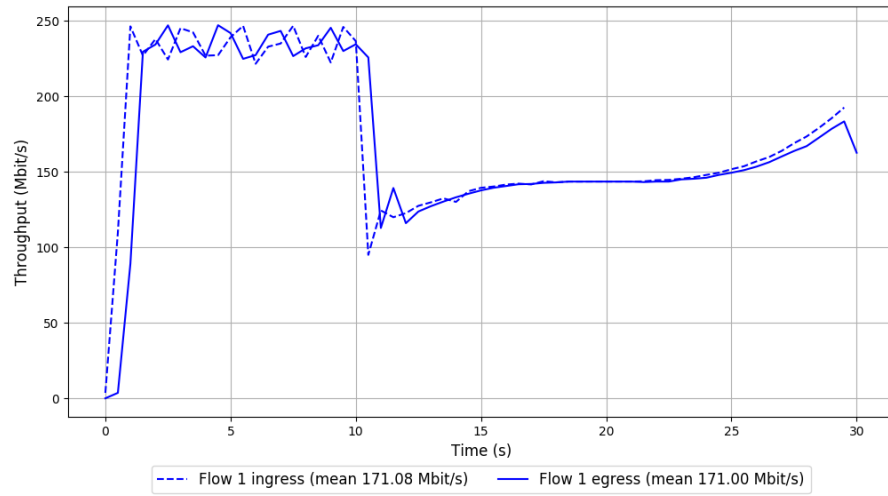


Run 1: Statistics of TCP Cubic

Start at: 2018-07-12 11:09:38
End at: 2018-07-12 11:10:08
Local clock offset: -0.566 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-12 15:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.00 Mbit/s
95th percentile per-packet one-way delay: 60.250 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 171.00 Mbit/s
95th percentile per-packet one-way delay: 60.250 ms
Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-12 11:30:55

End at: 2018-07-12 11:31:25

Local clock offset: 0.134 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-12 15:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.71 Mbit/s

95th percentile per-packet one-way delay: 60.595 ms

Loss rate: 0.28%

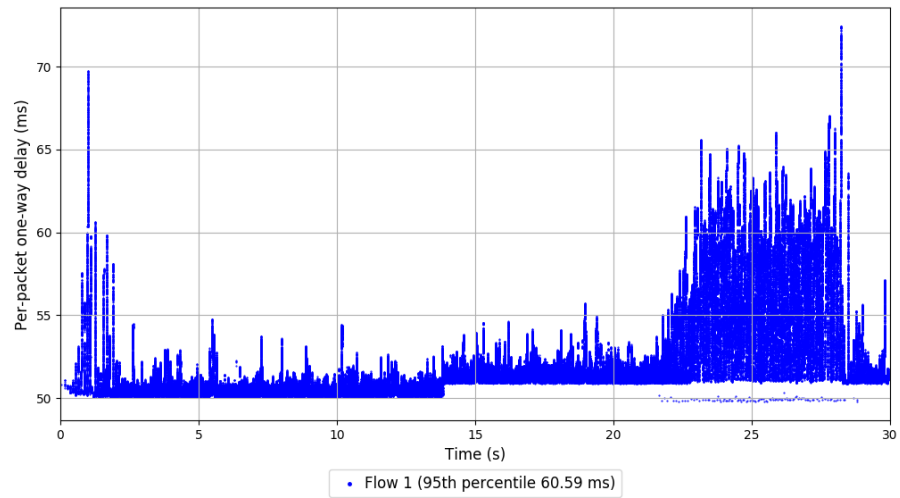
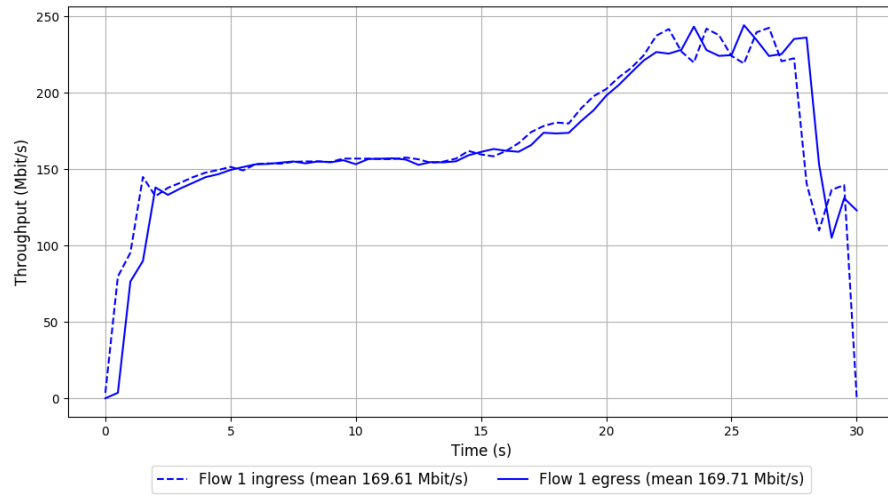
-- Flow 1:

Average throughput: 169.71 Mbit/s

95th percentile per-packet one-way delay: 60.595 ms

Loss rate: 0.28%

Run 2: Report of TCP Cubic — Data Link

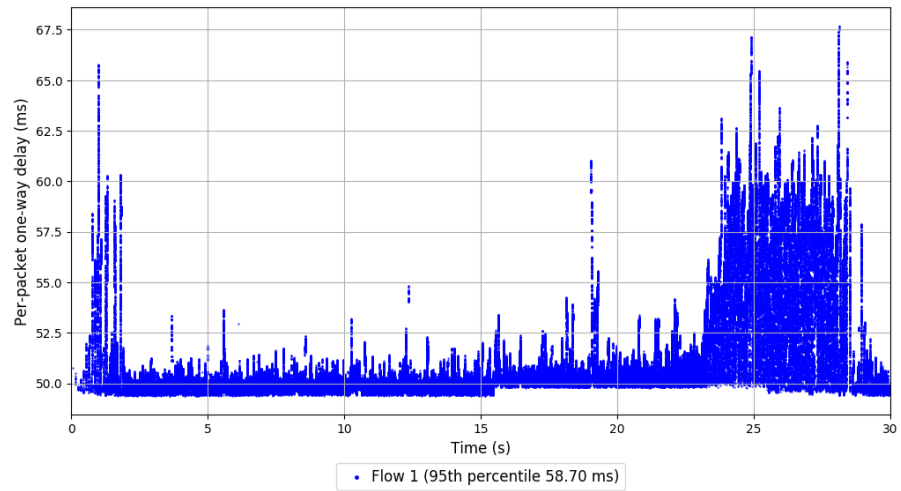
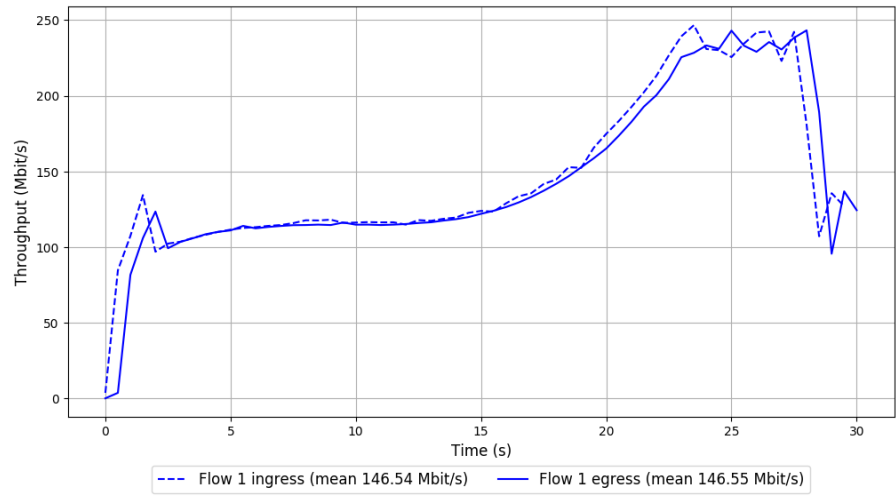


Run 3: Statistics of TCP Cubic

Start at: 2018-07-12 11:52:33
End at: 2018-07-12 11:53:03
Local clock offset: -0.561 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-12 15:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.55 Mbit/s
95th percentile per-packet one-way delay: 58.702 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 146.55 Mbit/s
95th percentile per-packet one-way delay: 58.702 ms
Loss rate: 0.32%

Run 3: Report of TCP Cubic — Data Link

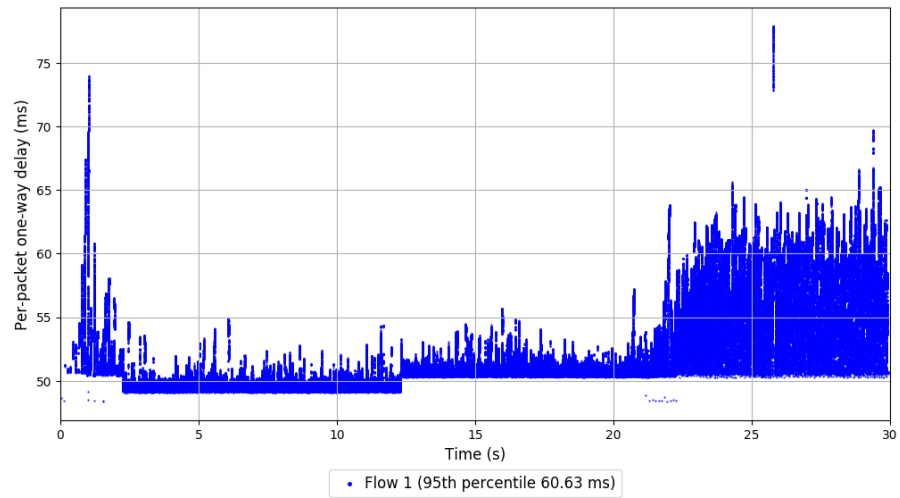
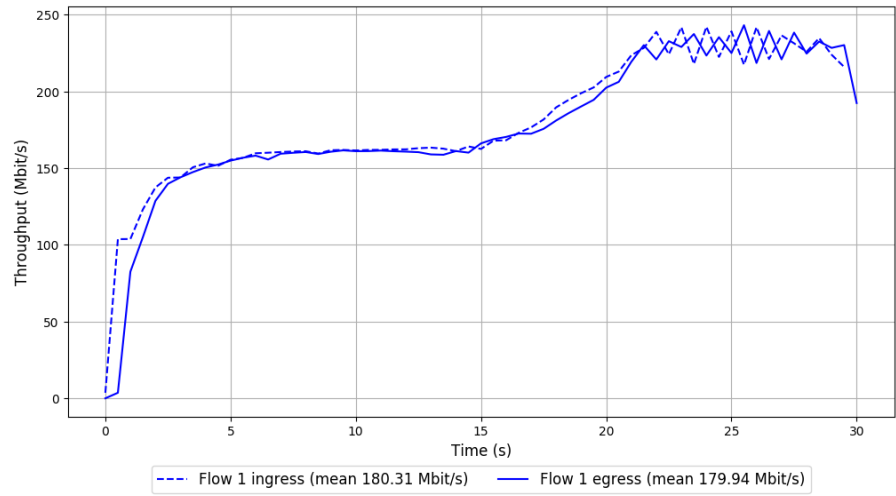


Run 4: Statistics of TCP Cubic

Start at: 2018-07-12 12:14:26
End at: 2018-07-12 12:14:56
Local clock offset: -0.545 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-12 15:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.94 Mbit/s
95th percentile per-packet one-way delay: 60.630 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 179.94 Mbit/s
95th percentile per-packet one-way delay: 60.630 ms
Loss rate: 0.44%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-12 12:36:19

End at: 2018-07-12 12:36:49

Local clock offset: -0.576 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-12 15:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.45 Mbit/s

95th percentile per-packet one-way delay: 58.754 ms

Loss rate: 0.47%

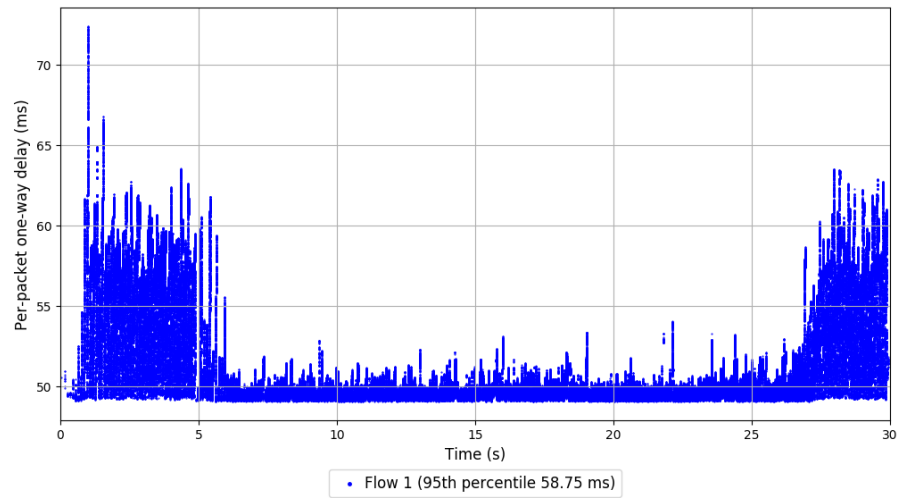
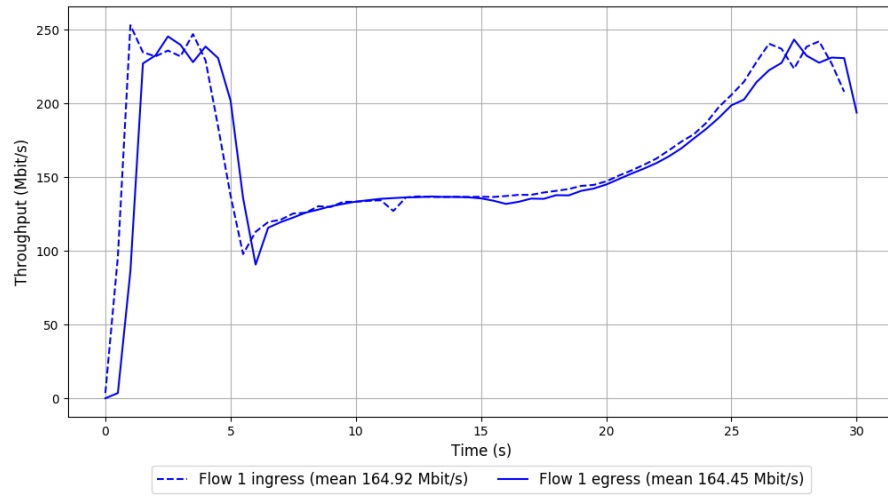
-- Flow 1:

Average throughput: 164.45 Mbit/s

95th percentile per-packet one-way delay: 58.754 ms

Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link

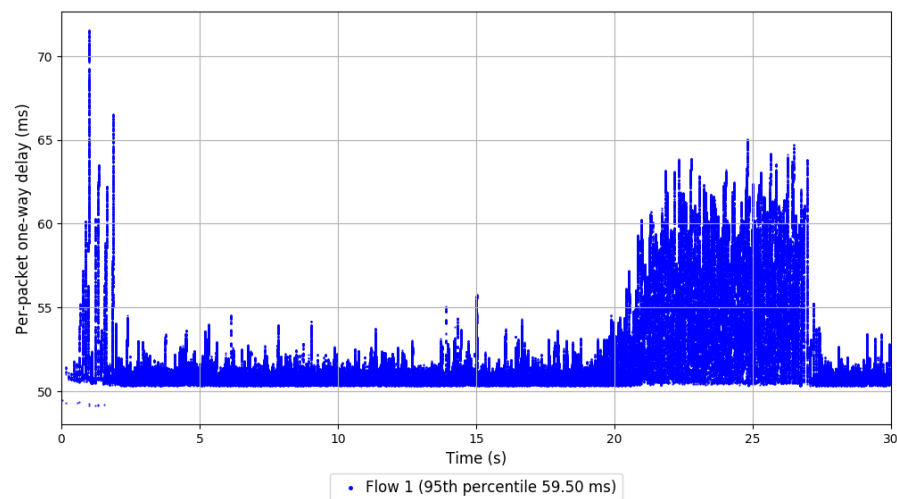
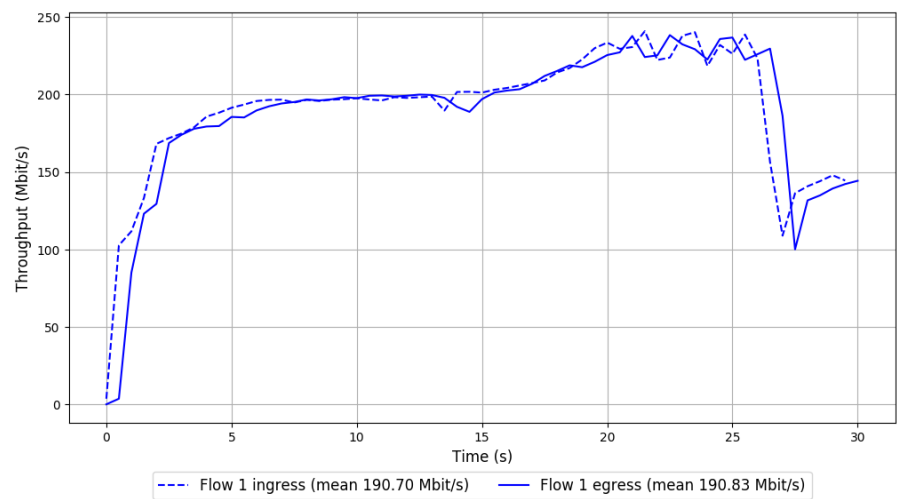


Run 6: Statistics of TCP Cubic

Start at: 2018-07-12 12:57:47
End at: 2018-07-12 12:58:17
Local clock offset: -0.567 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-12 15:04:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.83 Mbit/s
95th percentile per-packet one-way delay: 59.499 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 190.83 Mbit/s
95th percentile per-packet one-way delay: 59.499 ms
Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link

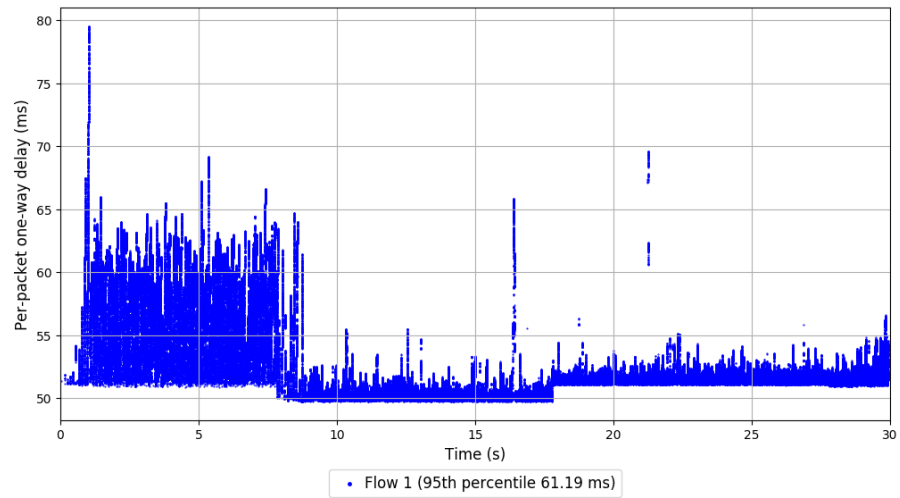
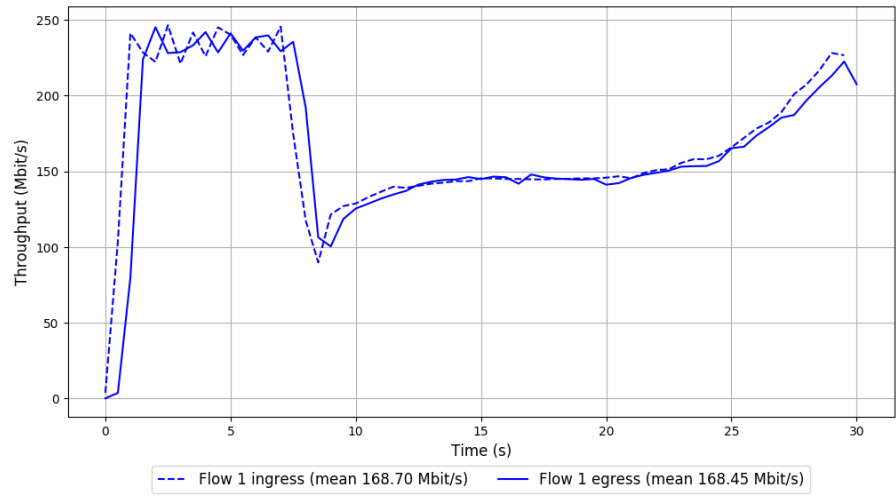


Run 7: Statistics of TCP Cubic

Start at: 2018-07-12 13:19:31
End at: 2018-07-12 13:20:01
Local clock offset: 0.091 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 15:04:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.45 Mbit/s
95th percentile per-packet one-way delay: 61.185 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 168.45 Mbit/s
95th percentile per-packet one-way delay: 61.185 ms
Loss rate: 0.49%

Run 7: Report of TCP Cubic — Data Link

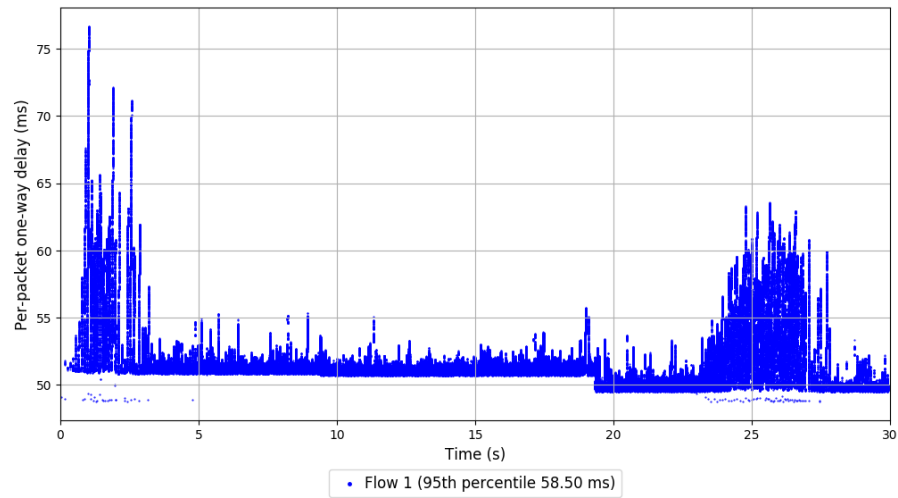
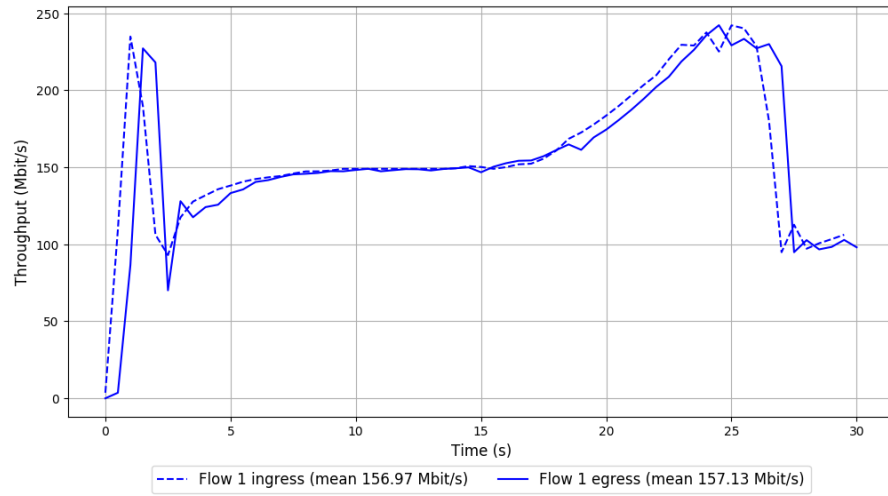


Run 8: Statistics of TCP Cubic

Start at: 2018-07-12 13:41:09
End at: 2018-07-12 13:41:39
Local clock offset: -0.225 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 15:04:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.13 Mbit/s
95th percentile per-packet one-way delay: 58.499 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 157.13 Mbit/s
95th percentile per-packet one-way delay: 58.499 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-12 14:02:38

End at: 2018-07-12 14:03:08

Local clock offset: -0.217 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-12 15:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.98 Mbit/s

95th percentile per-packet one-way delay: 60.644 ms

Loss rate: 0.25%

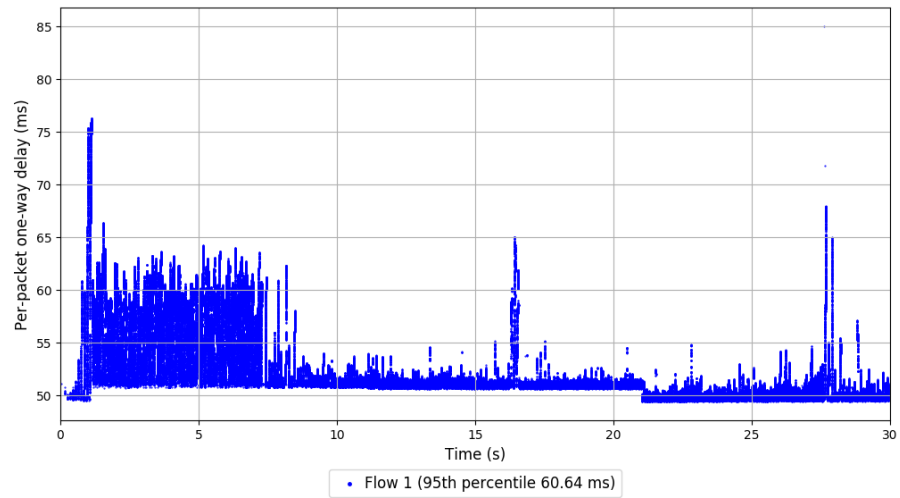
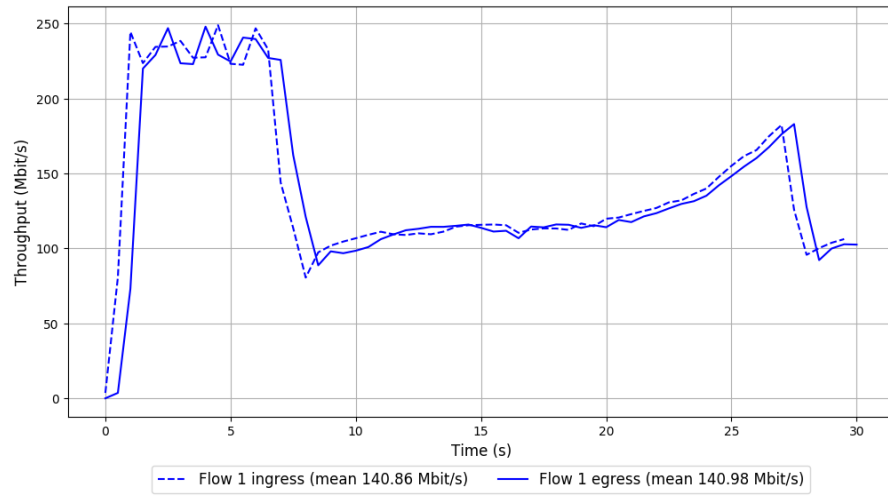
-- Flow 1:

Average throughput: 140.98 Mbit/s

95th percentile per-packet one-way delay: 60.644 ms

Loss rate: 0.25%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-12 14:24:03

End at: 2018-07-12 14:24:33

Local clock offset: -0.204 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-12 15:05:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.95 Mbit/s

95th percentile per-packet one-way delay: 61.602 ms

Loss rate: 0.10%

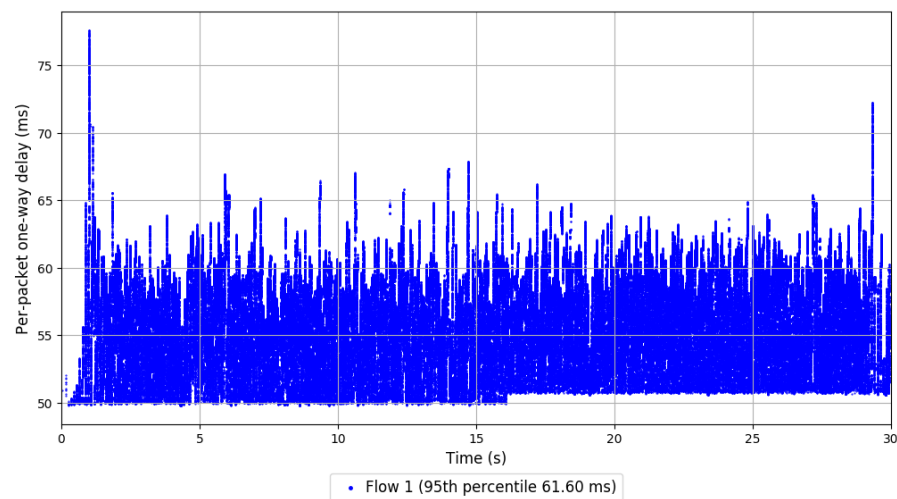
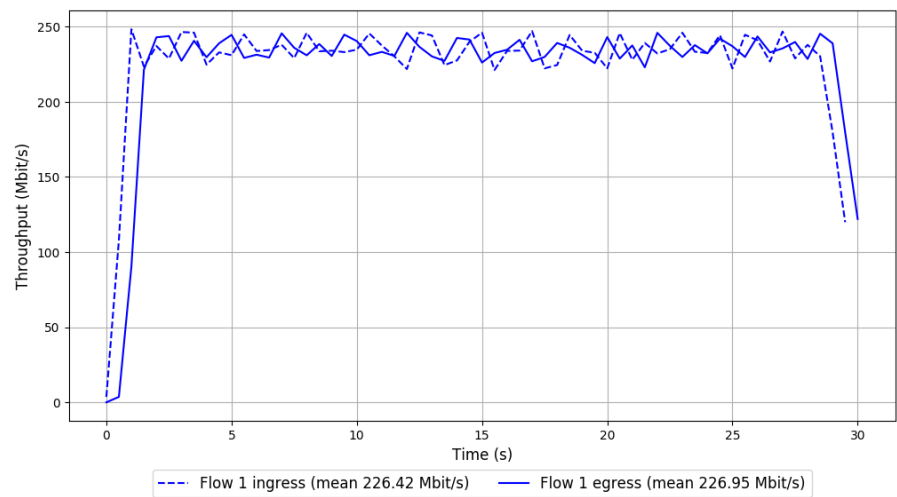
-- Flow 1:

Average throughput: 226.95 Mbit/s

95th percentile per-packet one-way delay: 61.602 ms

Loss rate: 0.10%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-12 11:13:11

End at: 2018-07-12 11:13:41

Local clock offset: -0.21 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-12 15:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 599.76 Mbit/s

95th percentile per-packet one-way delay: 240.304 ms

Loss rate: 0.69%

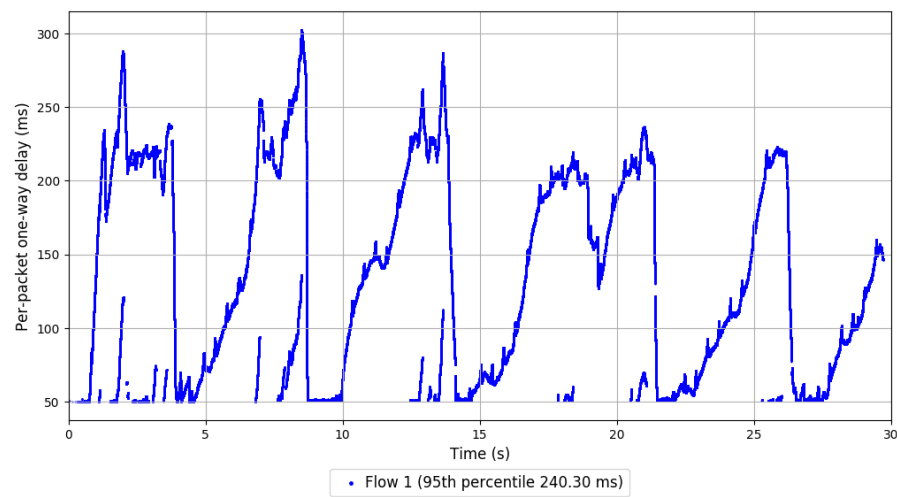
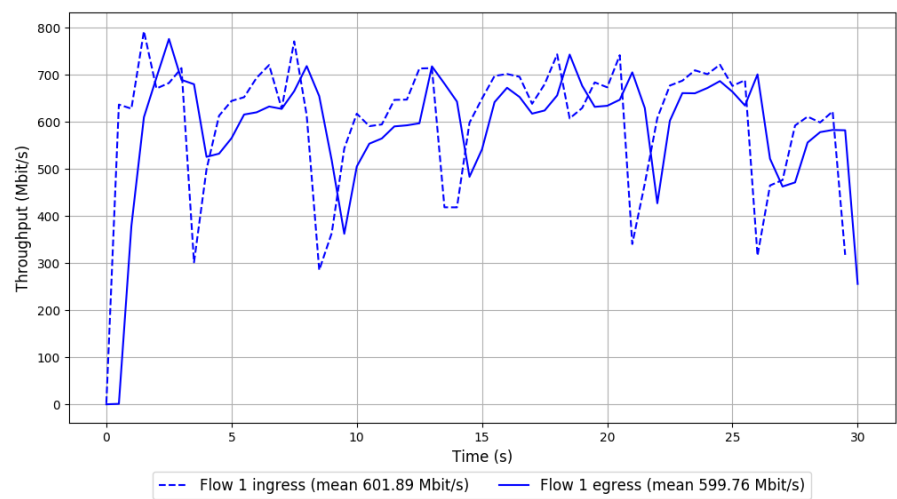
-- Flow 1:

Average throughput: 599.76 Mbit/s

95th percentile per-packet one-way delay: 240.304 ms

Loss rate: 0.69%

Run 1: Report of FillP — Data Link

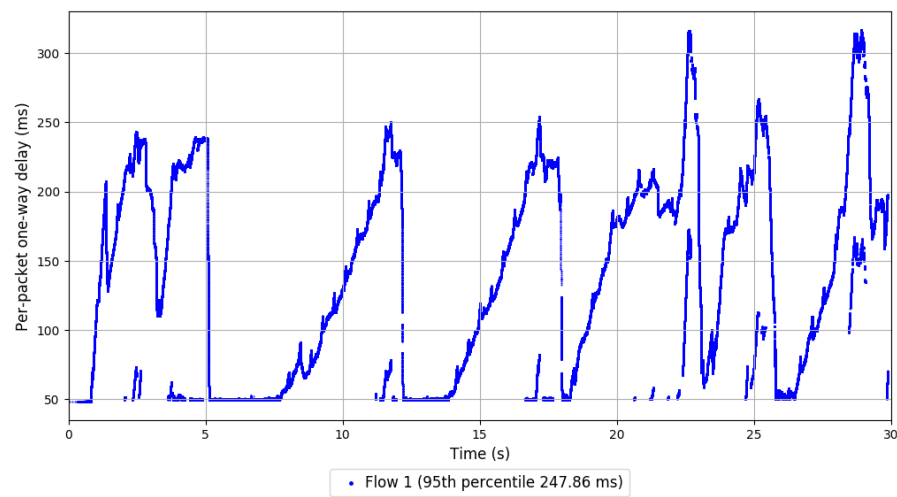
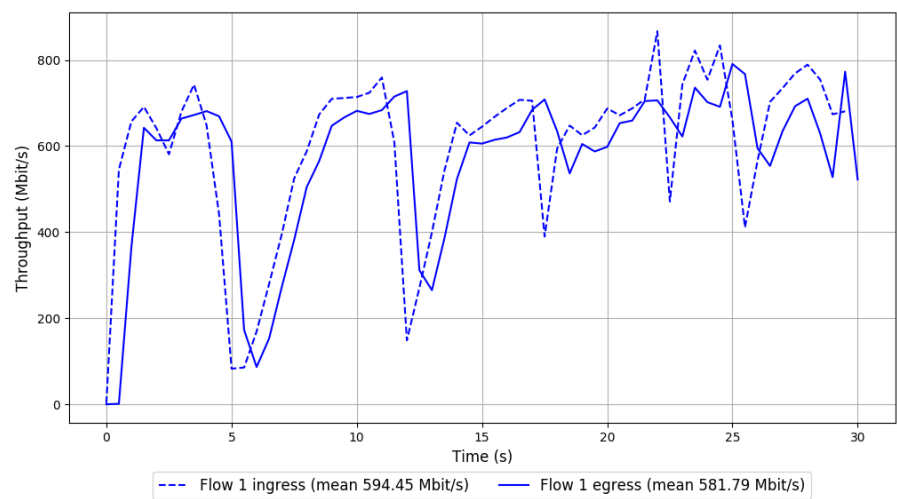


Run 2: Statistics of FillP

Start at: 2018-07-12 11:34:26
End at: 2018-07-12 11:34:56
Local clock offset: -0.565 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-12 15:15:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.79 Mbit/s
95th percentile per-packet one-way delay: 247.857 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 581.79 Mbit/s
95th percentile per-packet one-way delay: 247.857 ms
Loss rate: 2.46%

Run 2: Report of FillP — Data Link

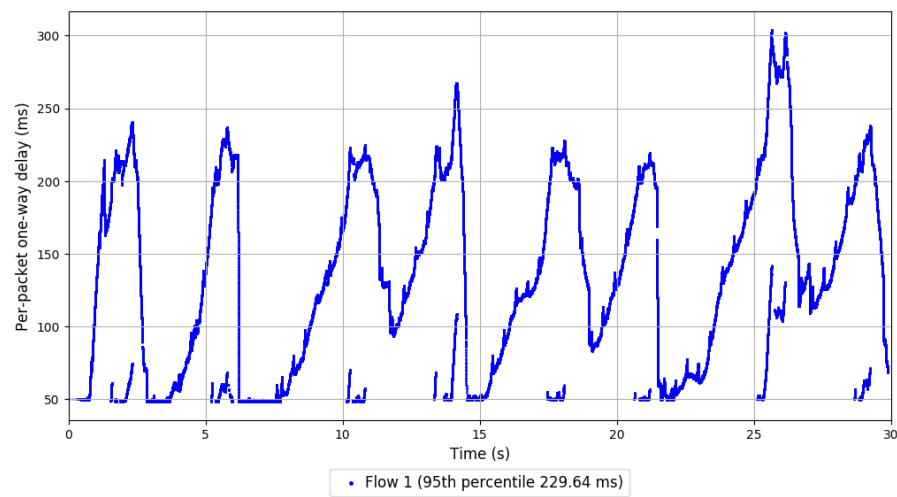
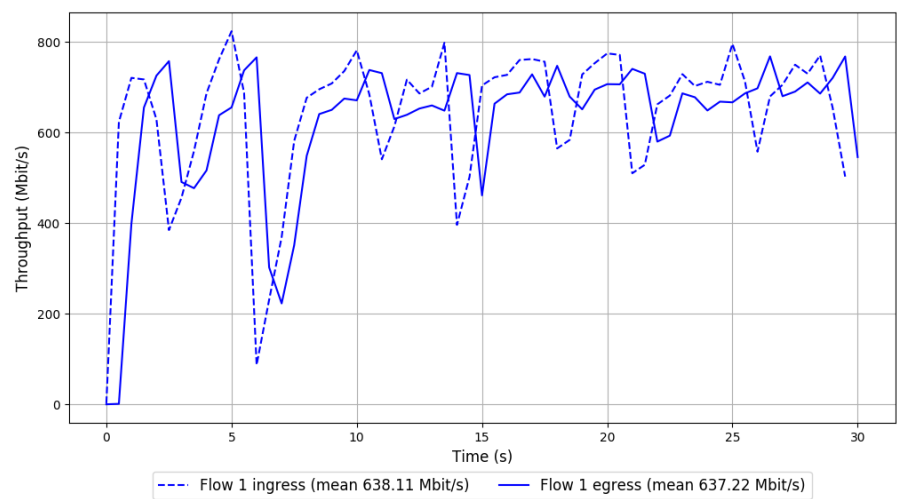


Run 3: Statistics of FillP

Start at: 2018-07-12 11:56:07
End at: 2018-07-12 11:56:37
Local clock offset: -0.556 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-12 15:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 637.22 Mbit/s
95th percentile per-packet one-way delay: 229.644 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 637.22 Mbit/s
95th percentile per-packet one-way delay: 229.644 ms
Loss rate: 0.48%

Run 3: Report of FillP — Data Link

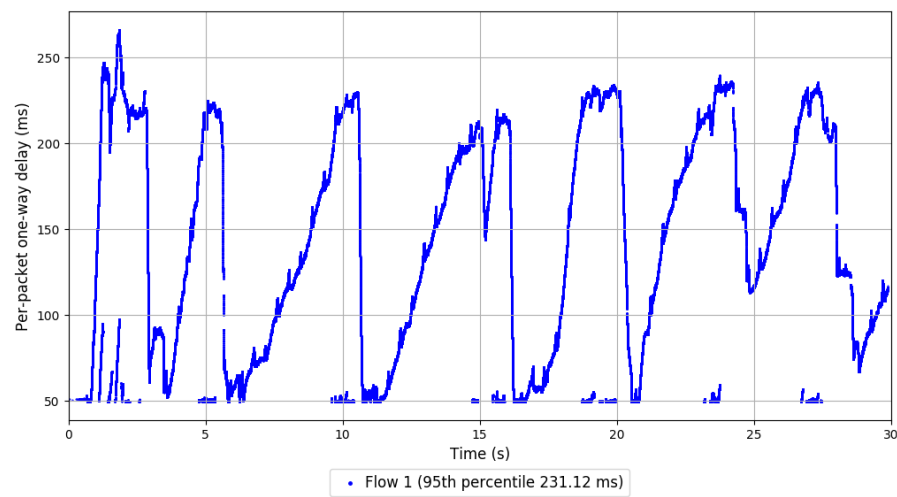
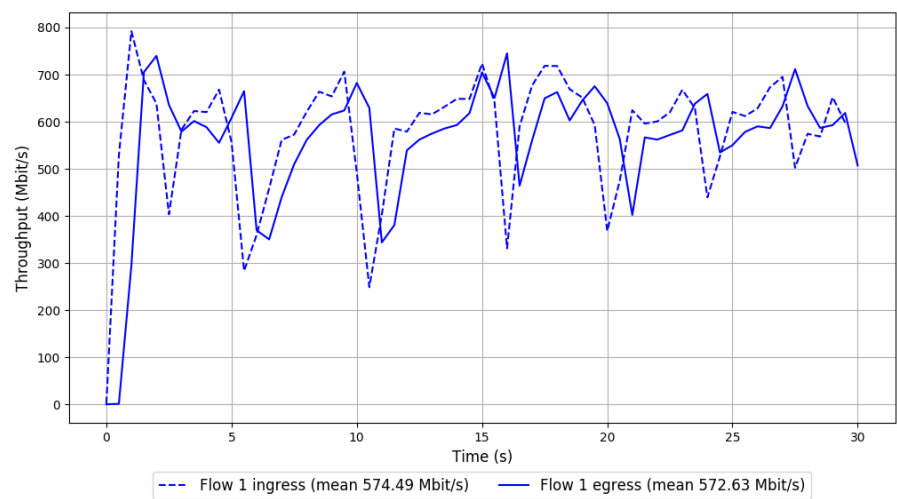


Run 4: Statistics of FillP

Start at: 2018-07-12 12:17:58
End at: 2018-07-12 12:18:28
Local clock offset: -0.211 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 15:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 572.63 Mbit/s
95th percentile per-packet one-way delay: 231.120 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 572.63 Mbit/s
95th percentile per-packet one-way delay: 231.120 ms
Loss rate: 0.66%

Run 4: Report of FillP — Data Link

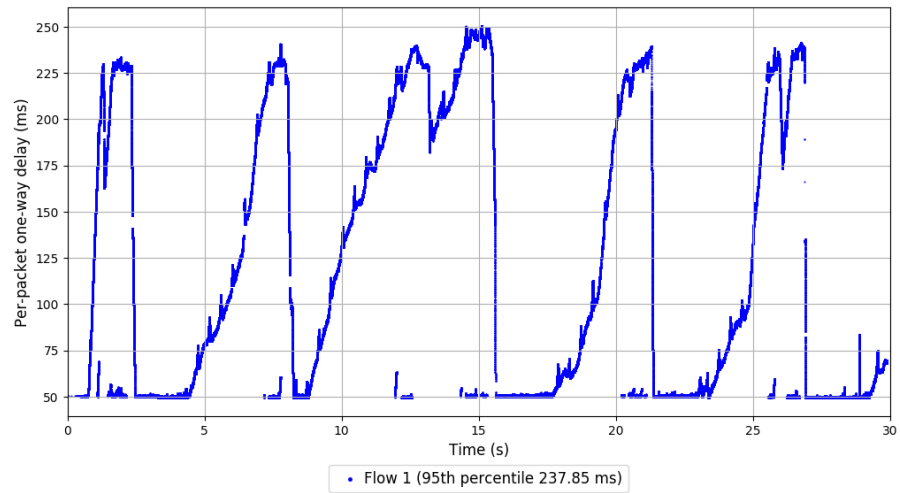
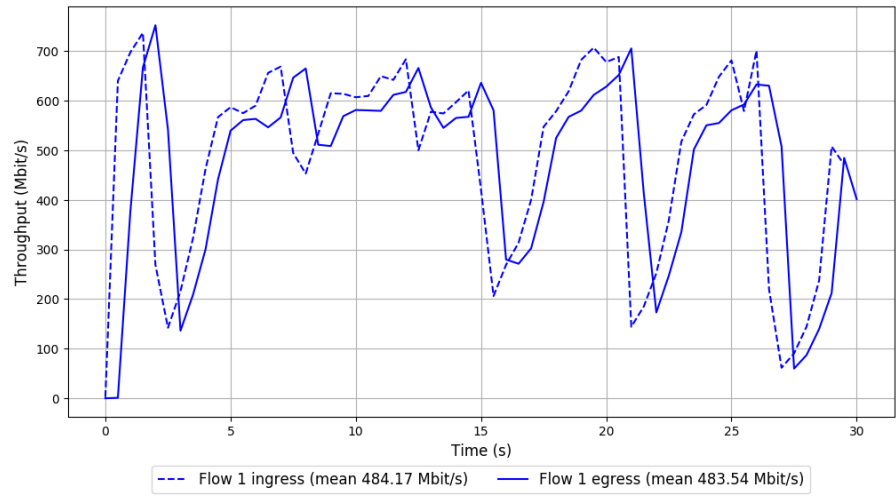


Run 5: Statistics of FillP

Start at: 2018-07-12 12:39:45
End at: 2018-07-12 12:40:15
Local clock offset: -0.231 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-12 15:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 483.54 Mbit/s
95th percentile per-packet one-way delay: 237.852 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 483.54 Mbit/s
95th percentile per-packet one-way delay: 237.852 ms
Loss rate: 0.47%

Run 5: Report of FillP — Data Link

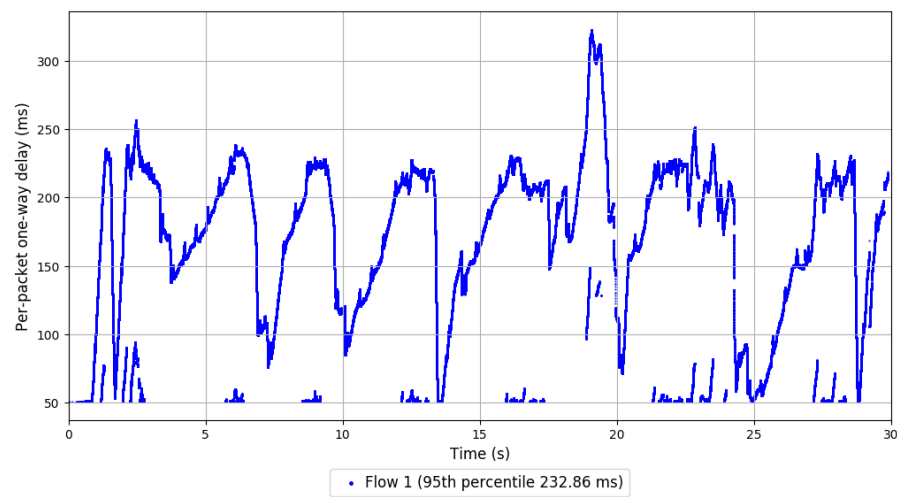
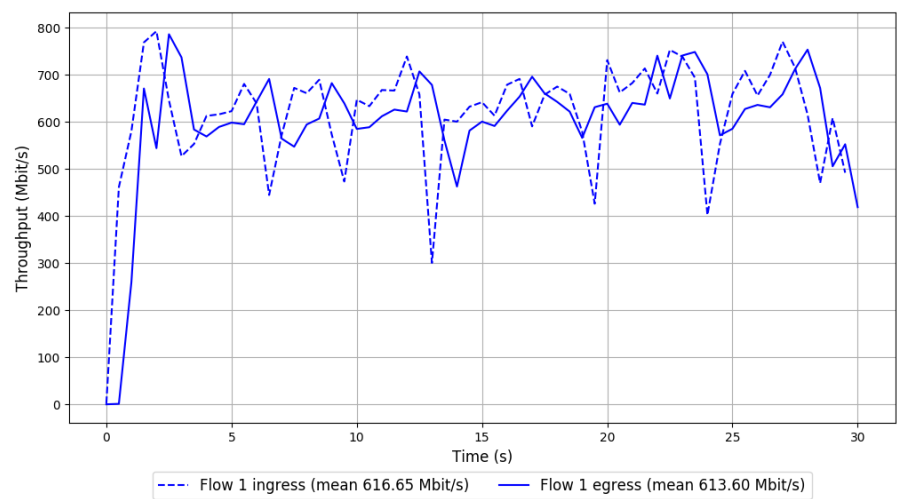


Run 6: Statistics of FillP

Start at: 2018-07-12 13:01:22
End at: 2018-07-12 13:01:52
Local clock offset: -0.24 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-12 15:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 613.60 Mbit/s
95th percentile per-packet one-way delay: 232.858 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 613.60 Mbit/s
95th percentile per-packet one-way delay: 232.858 ms
Loss rate: 0.83%

Run 6: Report of FillP — Data Link

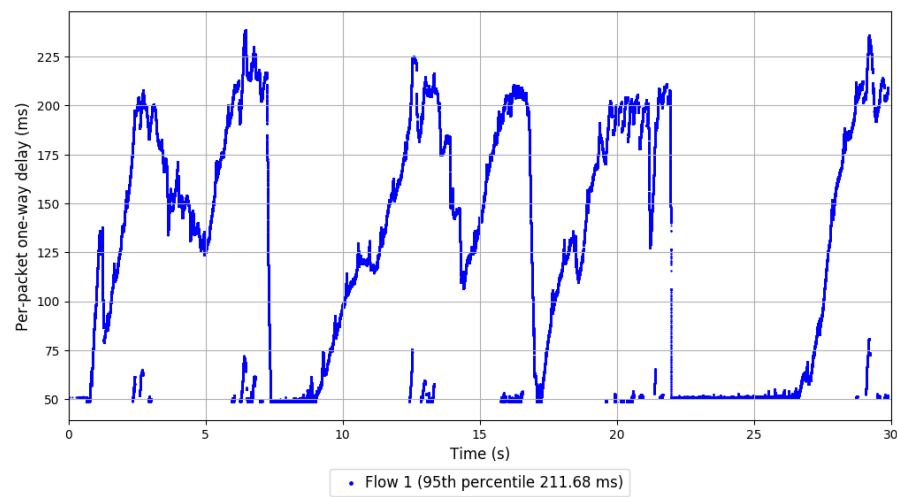
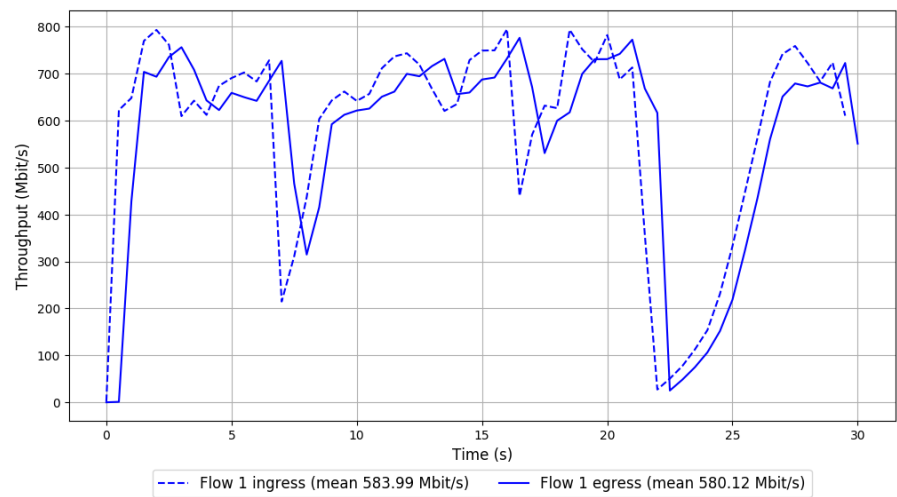


Run 7: Statistics of FillP

Start at: 2018-07-12 13:22:58
End at: 2018-07-12 13:23:28
Local clock offset: -0.293 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-12 15:16:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.12 Mbit/s
95th percentile per-packet one-way delay: 211.677 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 580.12 Mbit/s
95th percentile per-packet one-way delay: 211.677 ms
Loss rate: 1.00%

Run 7: Report of FillP — Data Link

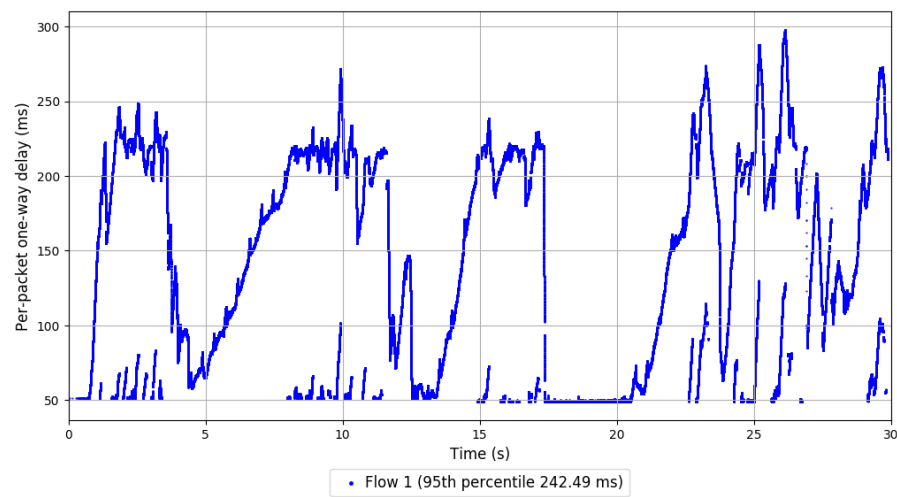
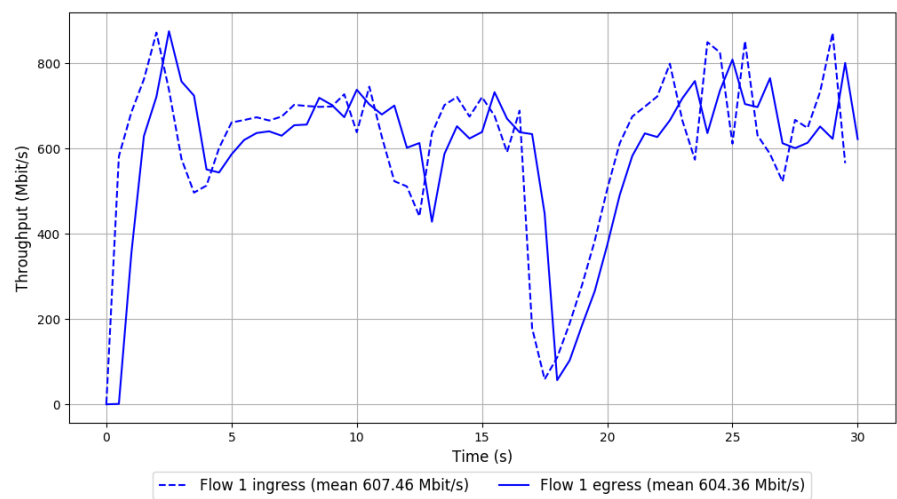


Run 8: Statistics of FillP

Start at: 2018-07-12 13:44:35
End at: 2018-07-12 13:45:05
Local clock offset: 0.116 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-12 15:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 604.36 Mbit/s
95th percentile per-packet one-way delay: 242.494 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 604.36 Mbit/s
95th percentile per-packet one-way delay: 242.494 ms
Loss rate: 0.85%

Run 8: Report of FillP — Data Link

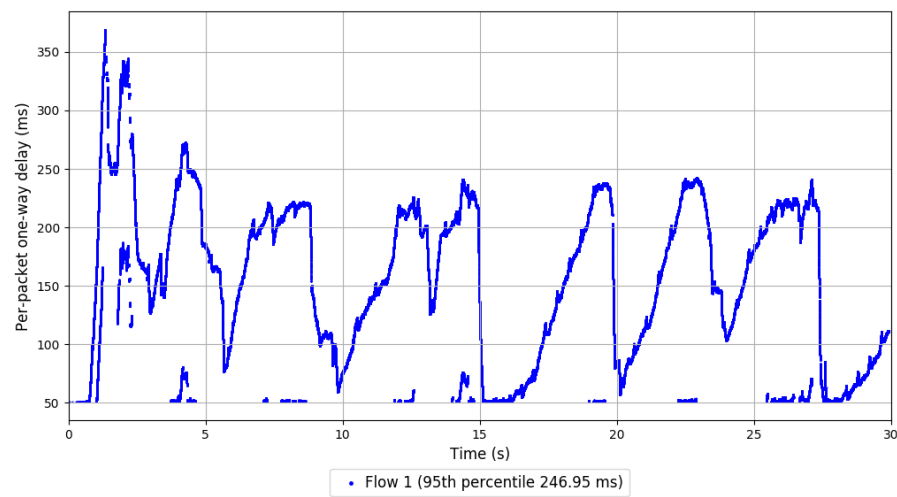
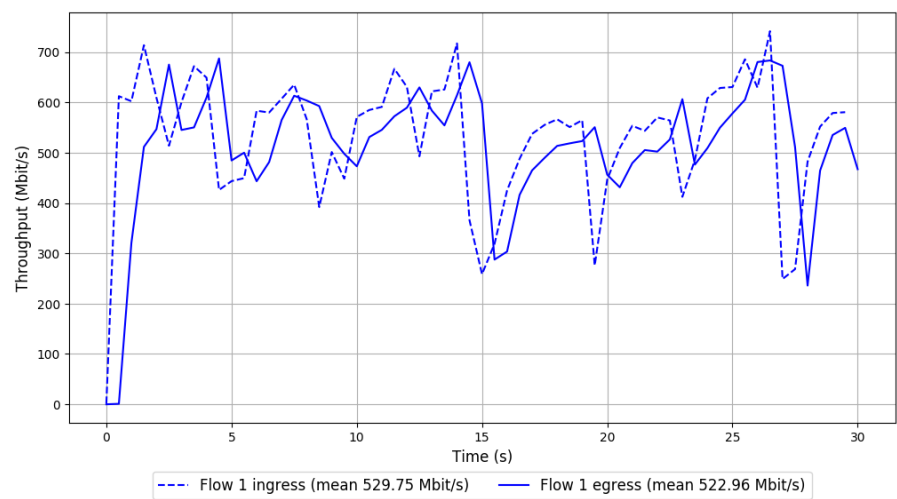


Run 9: Statistics of FillP

Start at: 2018-07-12 14:06:04
End at: 2018-07-12 14:06:34
Local clock offset: -0.262 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 15:23:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 522.96 Mbit/s
95th percentile per-packet one-way delay: 246.954 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 522.96 Mbit/s
95th percentile per-packet one-way delay: 246.954 ms
Loss rate: 1.62%

Run 9: Report of FillP — Data Link

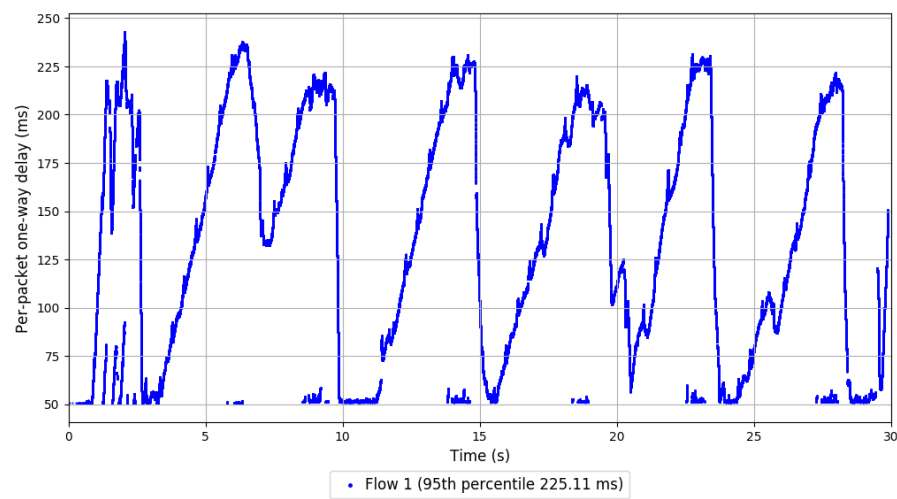
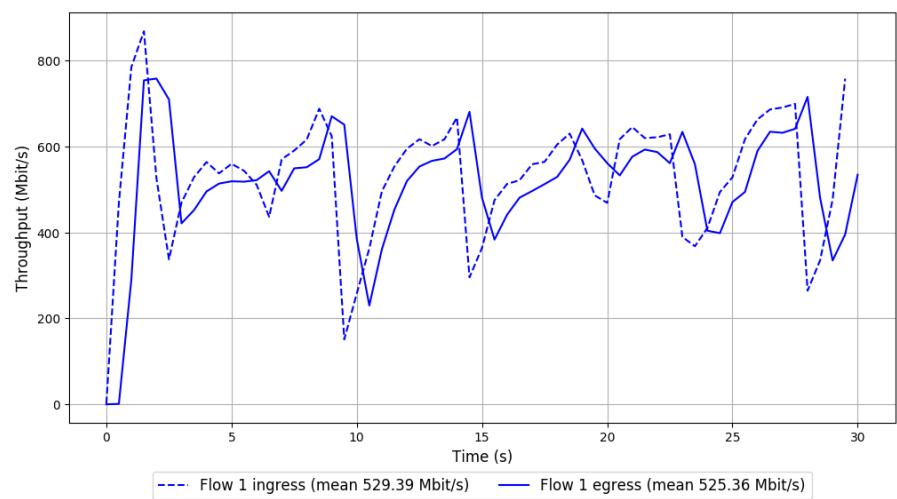


Run 10: Statistics of FillP

Start at: 2018-07-12 14:27:41
End at: 2018-07-12 14:28:11
Local clock offset: 0.126 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-12 15:24:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 525.36 Mbit/s
95th percentile per-packet one-way delay: 225.114 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 525.36 Mbit/s
95th percentile per-packet one-way delay: 225.114 ms
Loss rate: 1.10%

Run 10: Report of FillP — Data Link

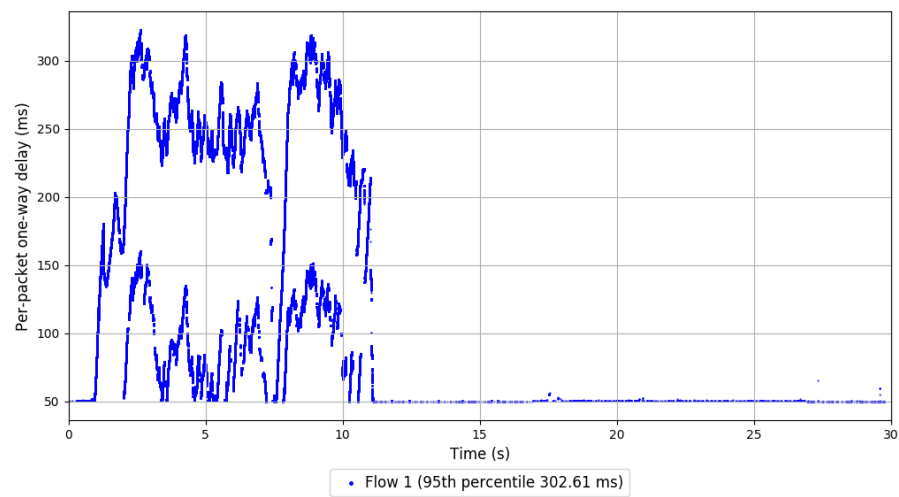
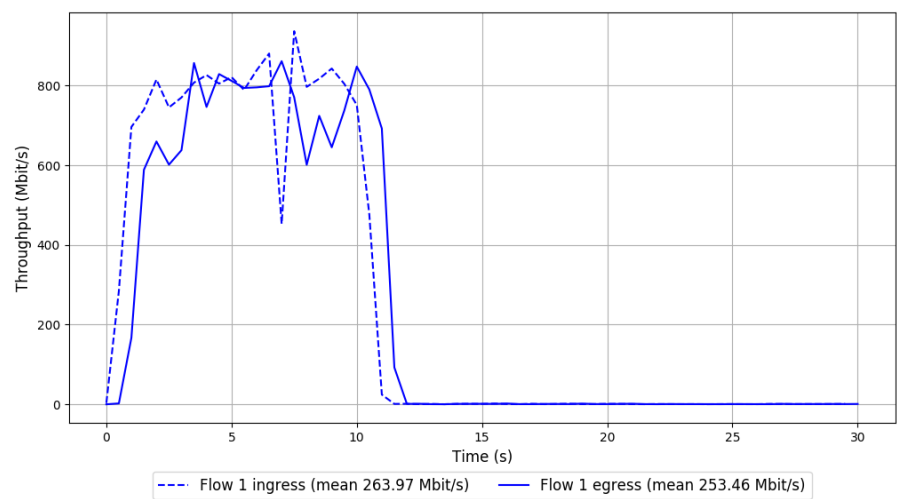


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-12 11:24:42
End at: 2018-07-12 11:25:12
Local clock offset: -0.572 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-12 15:24:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.46 Mbit/s
95th percentile per-packet one-way delay: 302.605 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 253.46 Mbit/s
95th percentile per-packet one-way delay: 302.605 ms
Loss rate: 4.28%

Run 1: Report of FillP-Sheep — Data Link

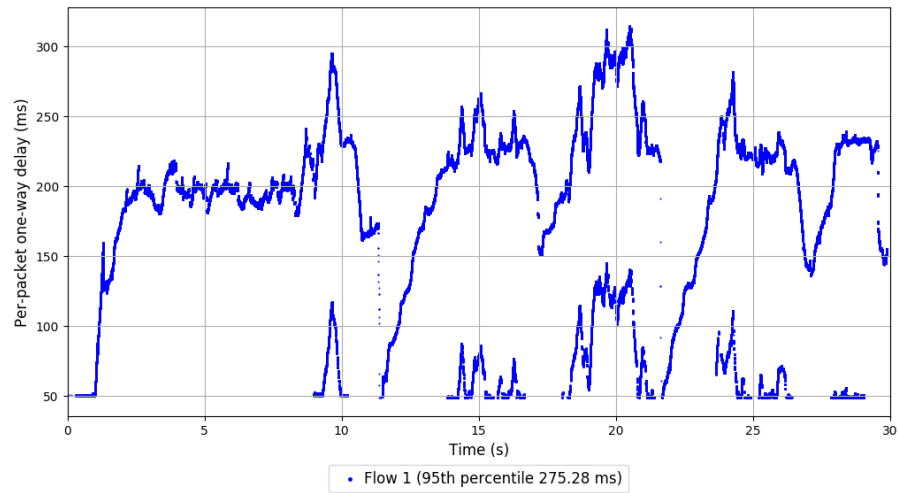
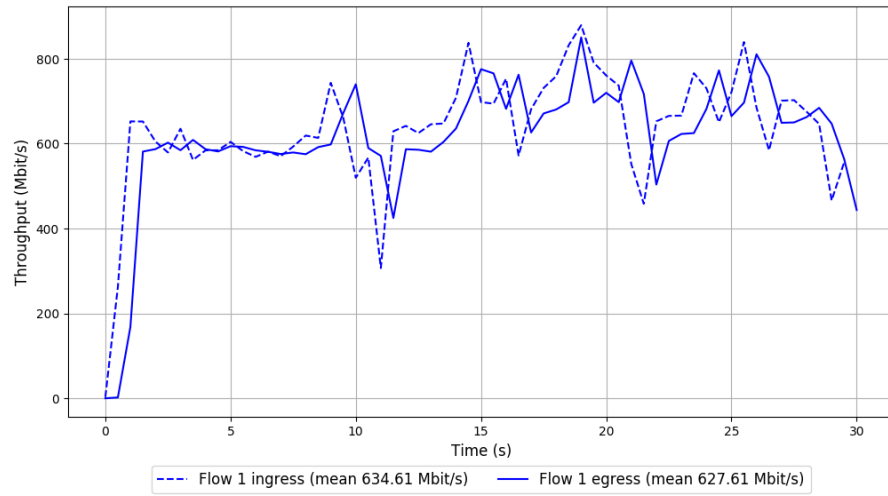


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-12 11:45:57
End at: 2018-07-12 11:46:27
Local clock offset: -0.259 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-12 15:28:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 627.61 Mbit/s
95th percentile per-packet one-way delay: 275.277 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 627.61 Mbit/s
95th percentile per-packet one-way delay: 275.277 ms
Loss rate: 1.44%

Run 2: Report of FillP-Sheep — Data Link

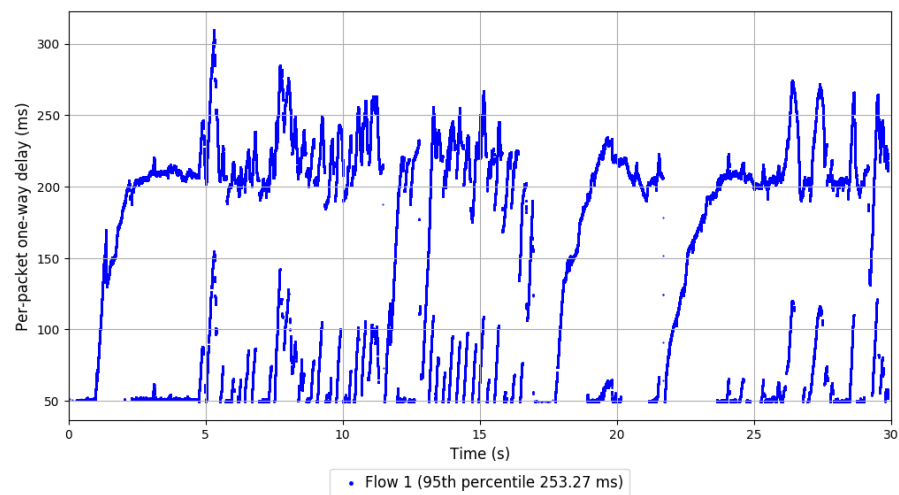
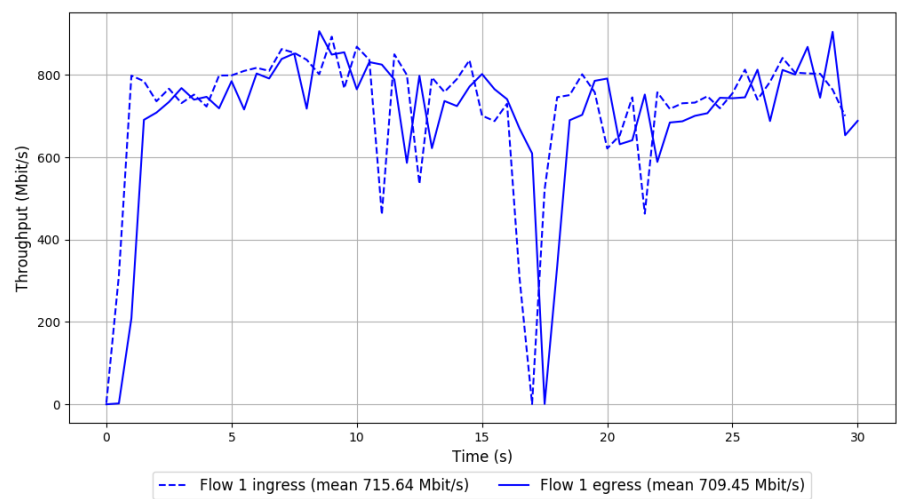


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-12 12:07:44
End at: 2018-07-12 12:08:14
Local clock offset: -0.202 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-12 15:29:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 709.45 Mbit/s
95th percentile per-packet one-way delay: 253.269 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 709.45 Mbit/s
95th percentile per-packet one-way delay: 253.269 ms
Loss rate: 1.20%

Run 3: Report of FillP-Sheep — Data Link

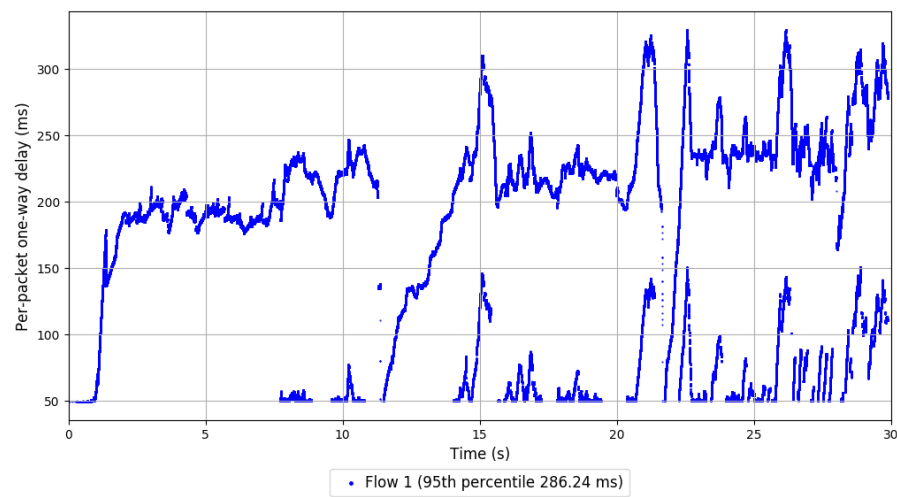
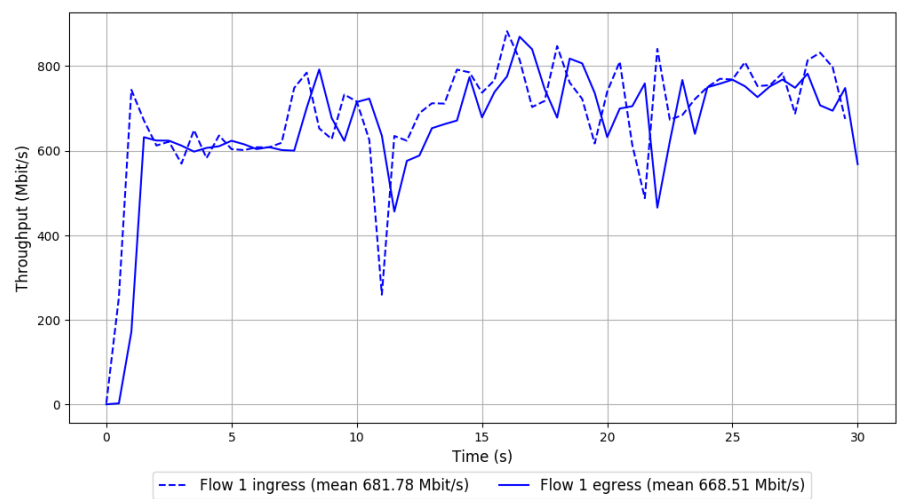


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-12 12:29:38
End at: 2018-07-12 12:30:08
Local clock offset: -0.202 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-12 15:29:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.51 Mbit/s
95th percentile per-packet one-way delay: 286.239 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 668.51 Mbit/s
95th percentile per-packet one-way delay: 286.239 ms
Loss rate: 2.28%

Run 4: Report of FillP-Sheep — Data Link

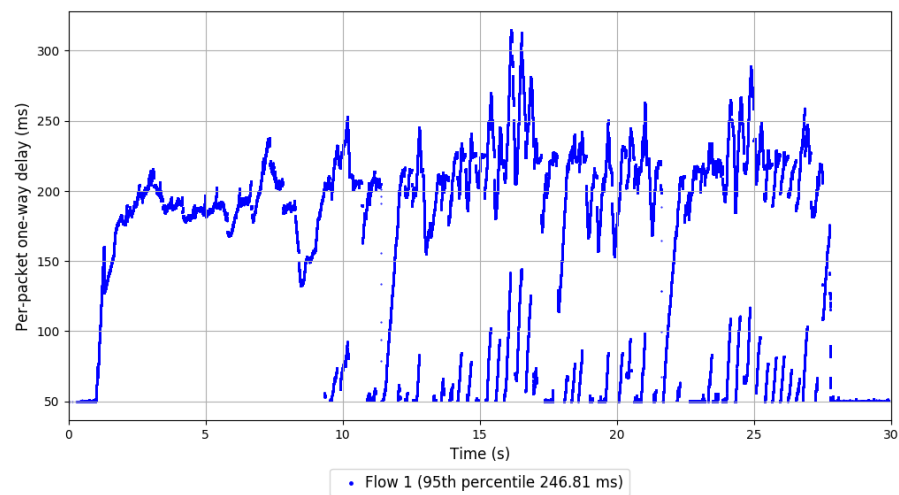
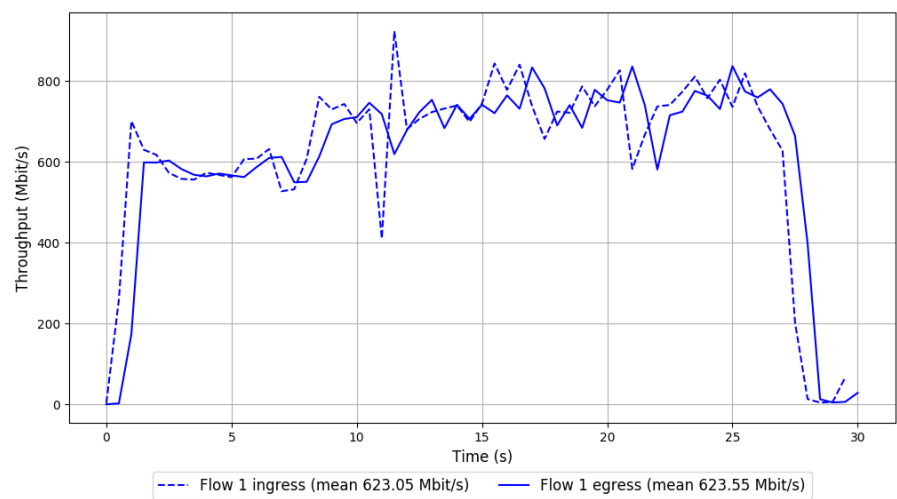


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-12 12:51:12
End at: 2018-07-12 12:51:42
Local clock offset: -0.572 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-12 15:29:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.55 Mbit/s
95th percentile per-packet one-way delay: 246.815 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 623.55 Mbit/s
95th percentile per-packet one-way delay: 246.815 ms
Loss rate: 0.26%

Run 5: Report of FillP-Sheep — Data Link

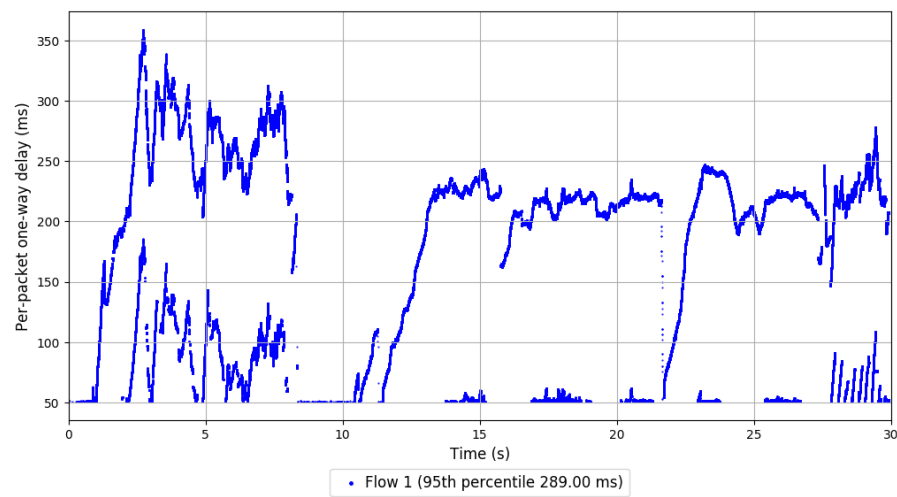
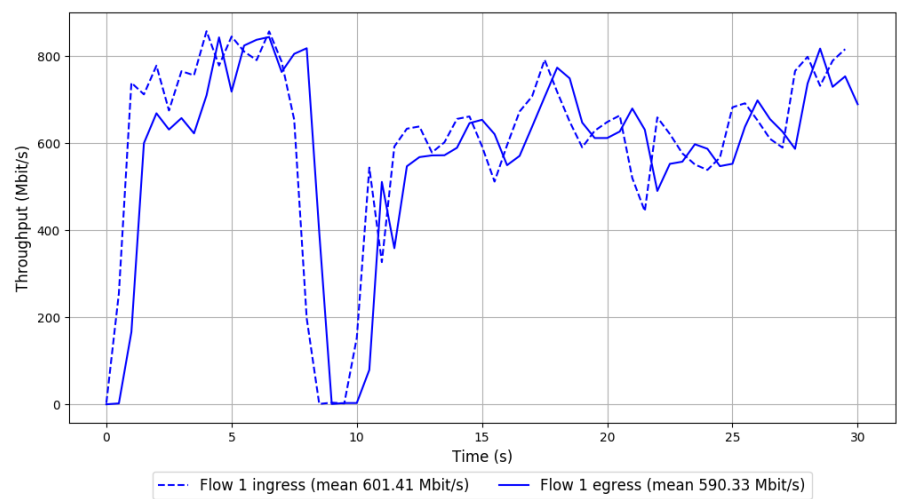


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-12 13:12:58
End at: 2018-07-12 13:13:28
Local clock offset: -0.267 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-12 15:30:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 590.33 Mbit/s
95th percentile per-packet one-way delay: 288.996 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 590.33 Mbit/s
95th percentile per-packet one-way delay: 288.996 ms
Loss rate: 2.18%

Run 6: Report of FillP-Sheep — Data Link

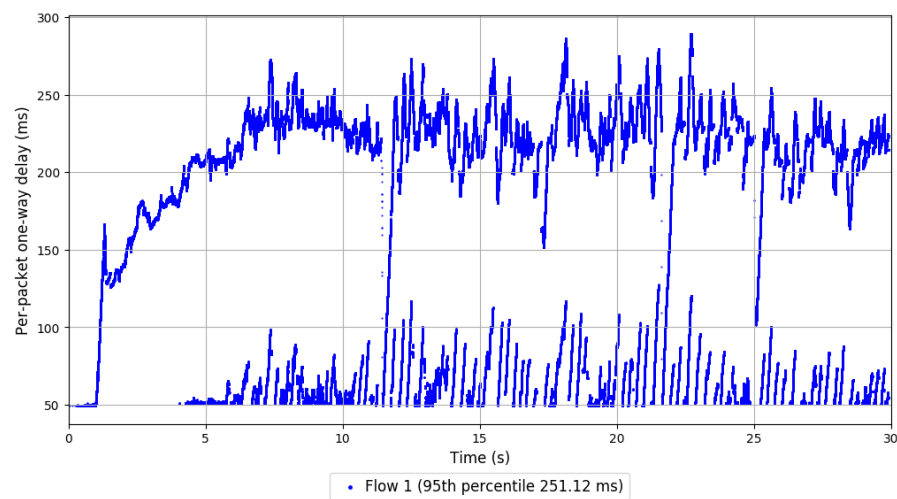
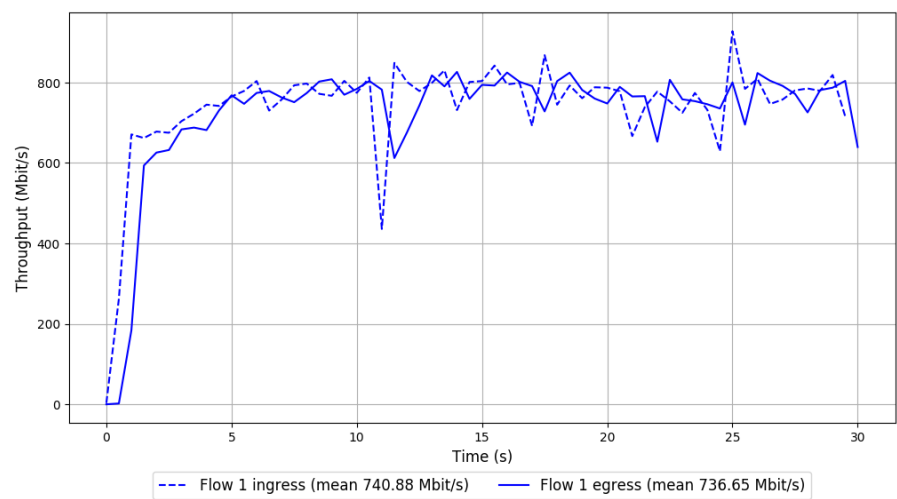


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-12 13:34:28
End at: 2018-07-12 13:34:58
Local clock offset: -0.234 ms
Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-12 15:35:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 736.65 Mbit/s
95th percentile per-packet one-way delay: 251.118 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 736.65 Mbit/s
95th percentile per-packet one-way delay: 251.118 ms
Loss rate: 0.90%

Run 7: Report of FillP-Sheep — Data Link

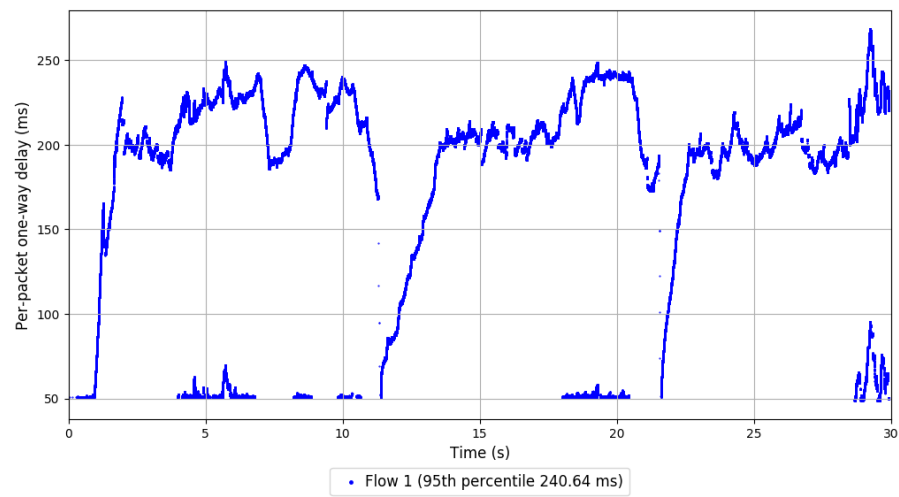
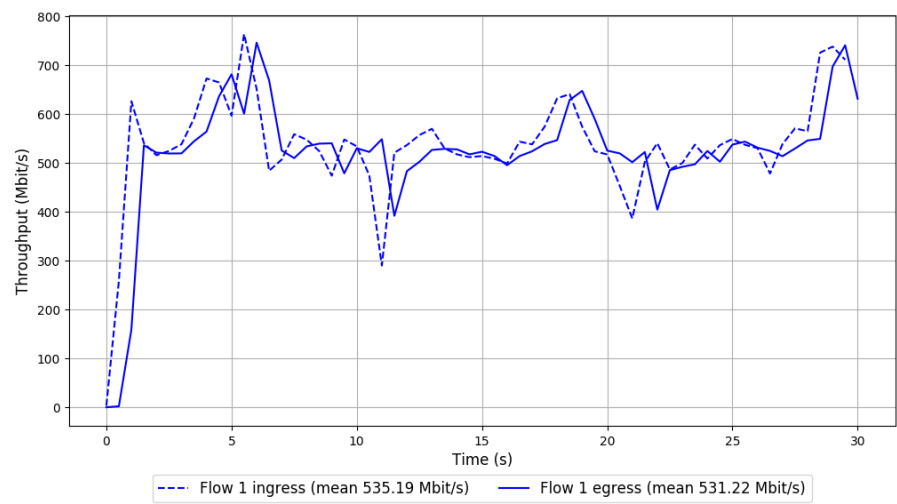


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-12 13:56:10
End at: 2018-07-12 13:56:40
Local clock offset: -0.223 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-12 15:35:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 531.22 Mbit/s
95th percentile per-packet one-way delay: 240.637 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 531.22 Mbit/s
95th percentile per-packet one-way delay: 240.637 ms
Loss rate: 1.08%

Run 8: Report of FillP-Sheep — Data Link

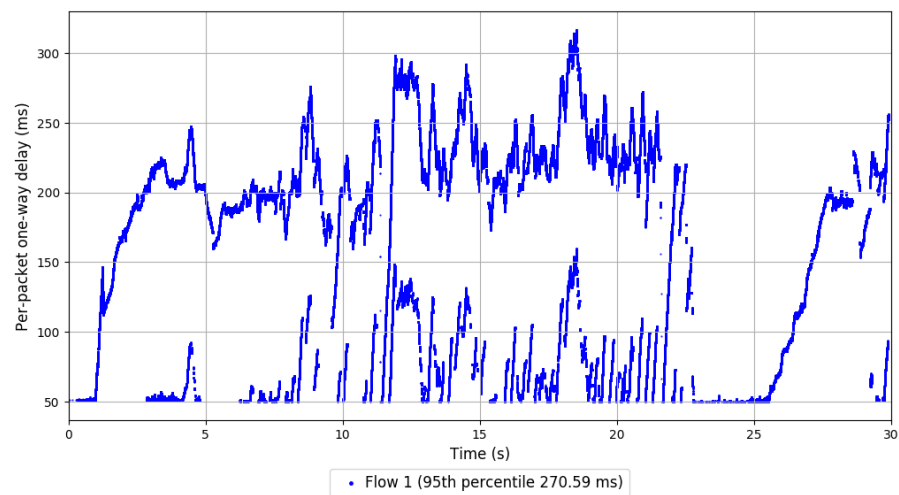
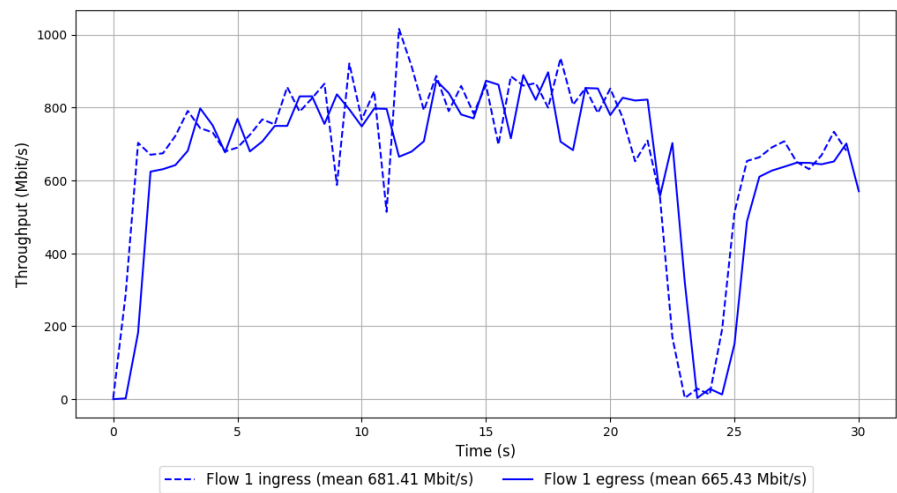


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-12 14:17:23
End at: 2018-07-12 14:17:53
Local clock offset: 0.155 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-12 15:39:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 665.43 Mbit/s
95th percentile per-packet one-way delay: 270.590 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 665.43 Mbit/s
95th percentile per-packet one-way delay: 270.590 ms
Loss rate: 2.68%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-12 14:39:36

End at: 2018-07-12 14:40:06

Local clock offset: -0.534 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 619.00 Mbit/s

95th percentile per-packet one-way delay: 258.772 ms

Loss rate: 1.07%

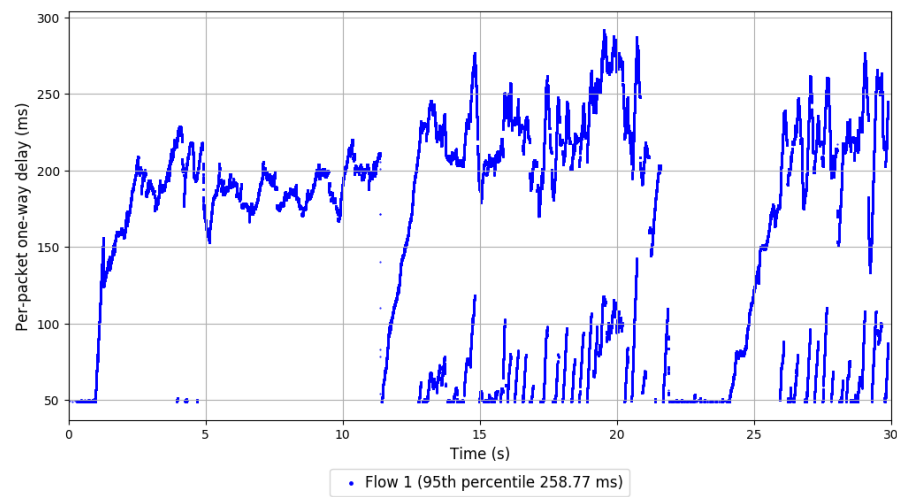
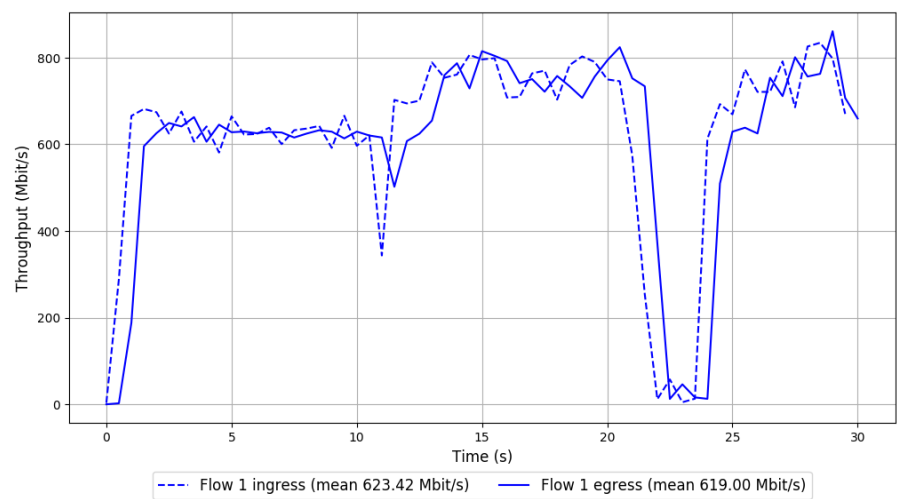
-- Flow 1:

Average throughput: 619.00 Mbit/s

95th percentile per-packet one-way delay: 258.772 ms

Loss rate: 1.07%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

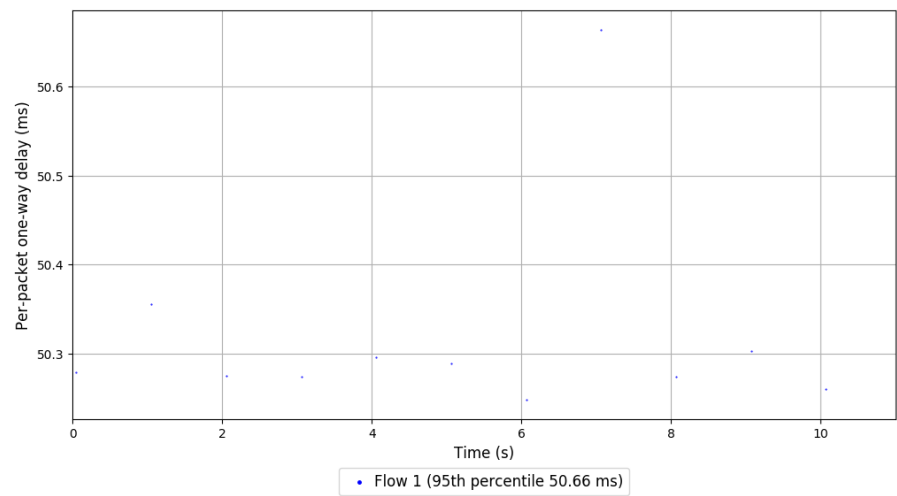
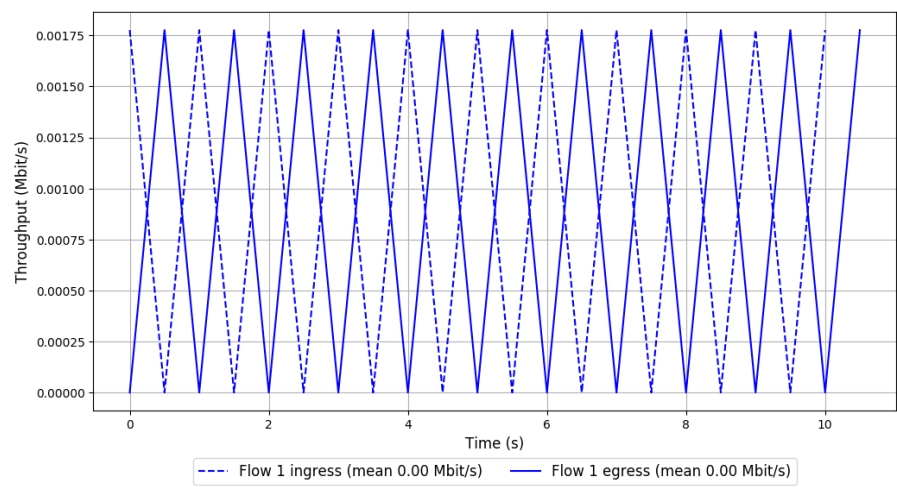
Start at: 2018-07-12 11:08:33

End at: 2018-07-12 11:09:03

Local clock offset: -0.189 ms

Remote clock offset: -0.059 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-12 11:29:43

End at: 2018-07-12 11:30:14

Local clock offset: -0.199 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.07 Mbit/s

95th percentile per-packet one-way delay: 50.254 ms

Loss rate: 0.36%

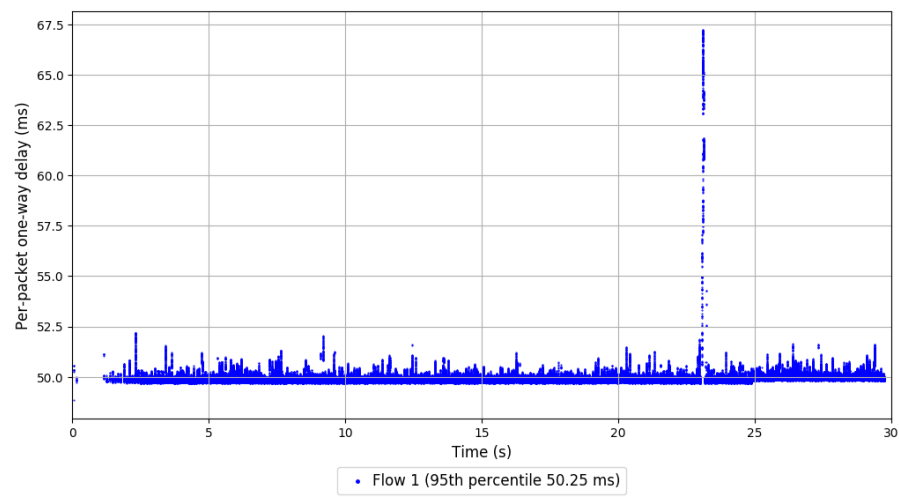
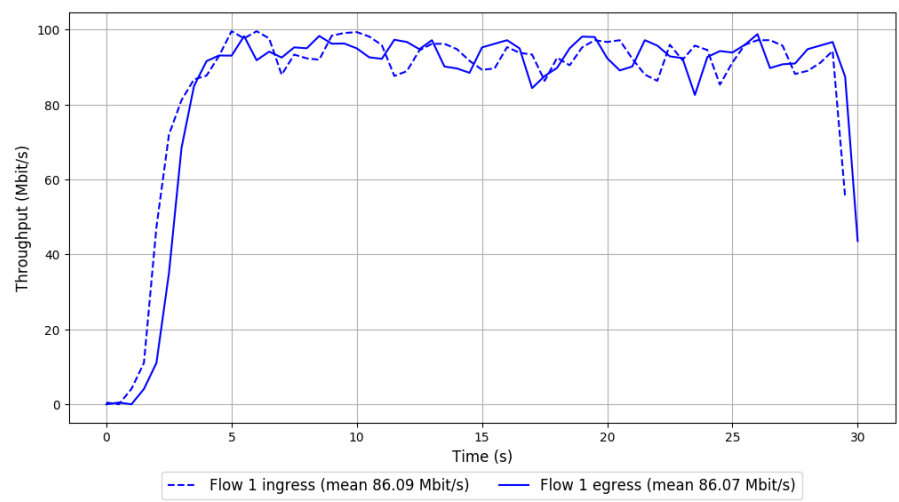
-- Flow 1:

Average throughput: 86.07 Mbit/s

95th percentile per-packet one-way delay: 50.254 ms

Loss rate: 0.36%

Run 2: Report of Indigo — Data Link

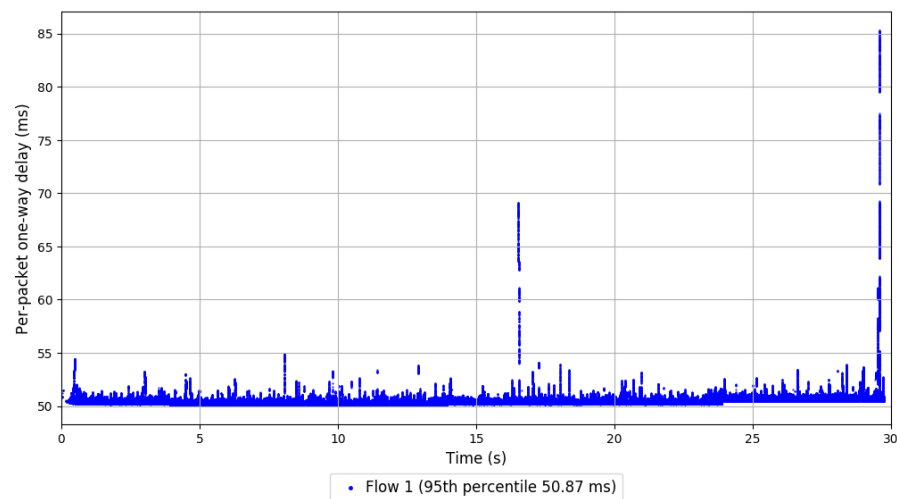
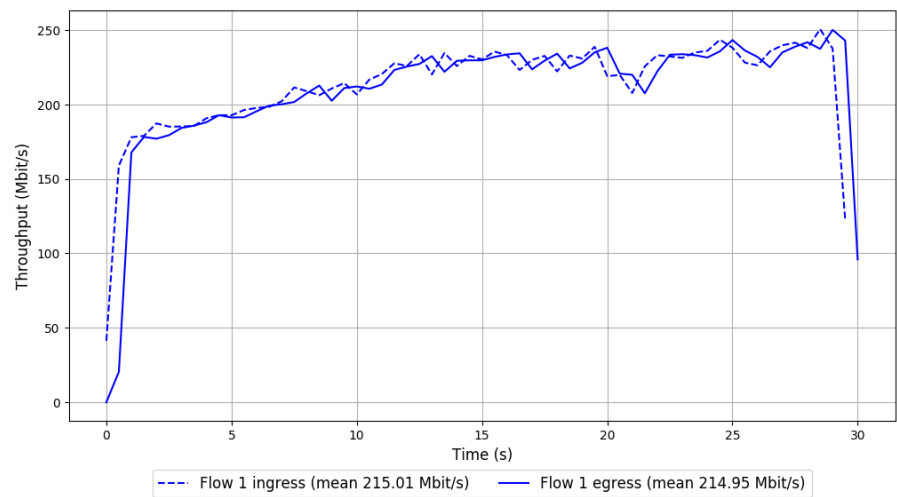


Run 3: Statistics of Indigo

Start at: 2018-07-12 11:51:14
End at: 2018-07-12 11:51:44
Local clock offset: 0.138 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.95 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 214.95 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.37%

Run 3: Report of Indigo — Data Link

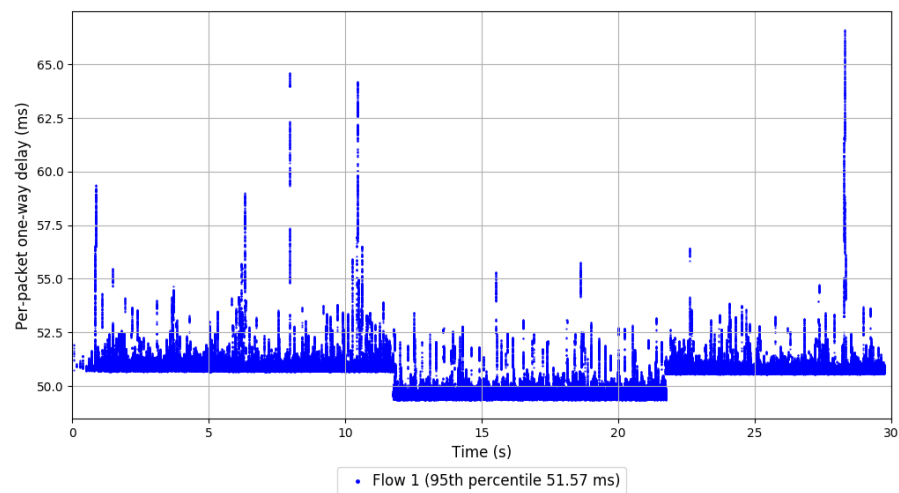
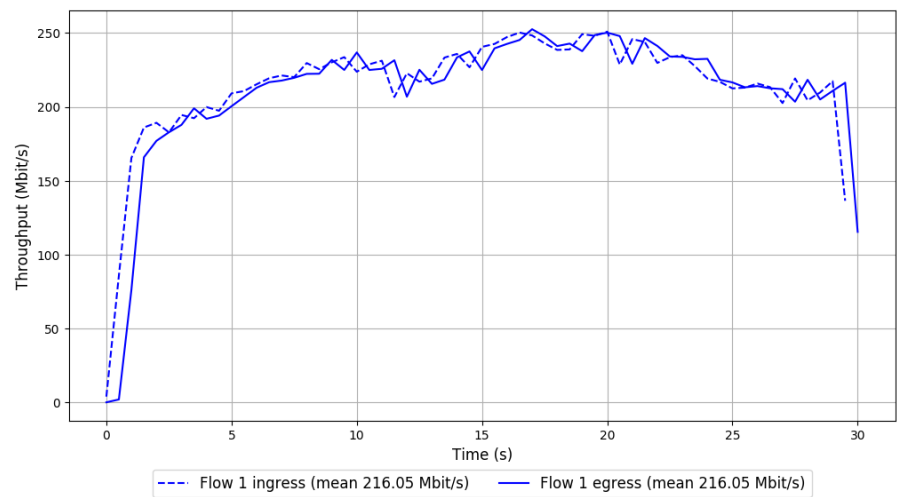


Run 4: Statistics of Indigo

Start at: 2018-07-12 12:13:07
End at: 2018-07-12 12:13:37
Local clock offset: -0.231 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.05 Mbit/s
95th percentile per-packet one-way delay: 51.568 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 216.05 Mbit/s
95th percentile per-packet one-way delay: 51.568 ms
Loss rate: 0.35%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

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

End at: 2018-07-12 12:35:30

Local clock offset: 0.16 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.41 Mbit/s

95th percentile per-packet one-way delay: 52.183 ms

Loss rate: 0.36%

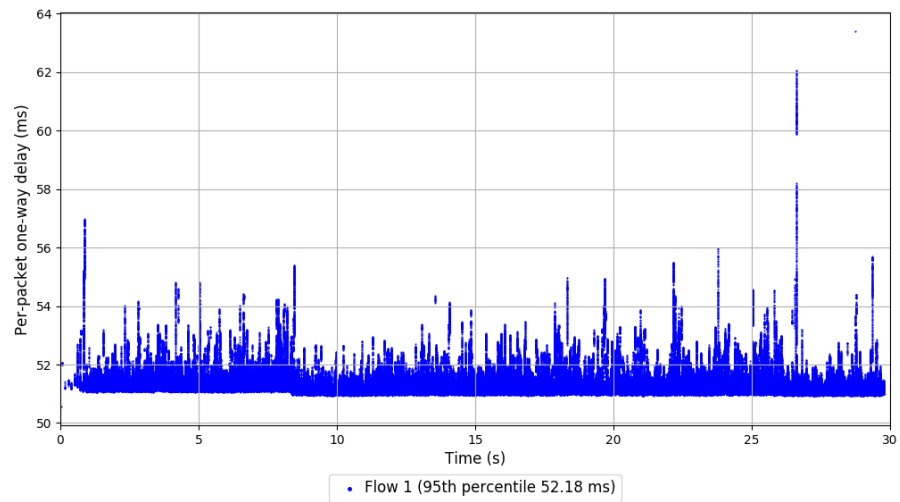
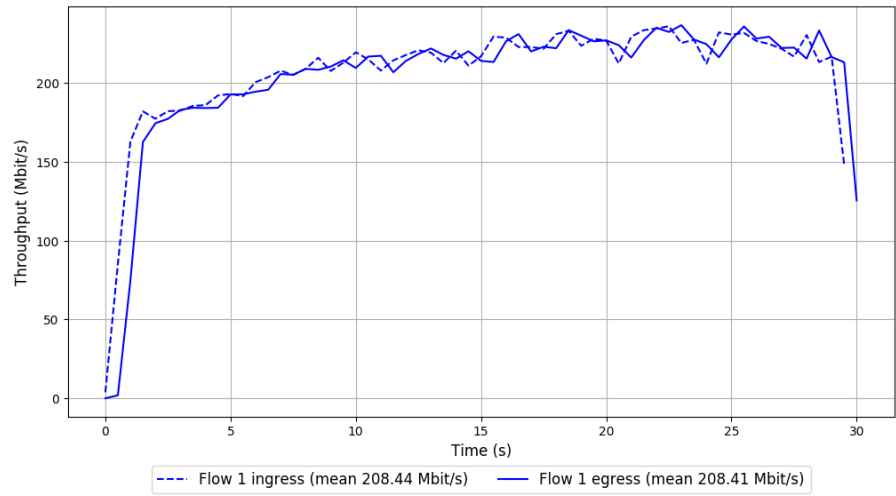
-- Flow 1:

Average throughput: 208.41 Mbit/s

95th percentile per-packet one-way delay: 52.183 ms

Loss rate: 0.36%

Run 5: Report of Indigo — Data Link

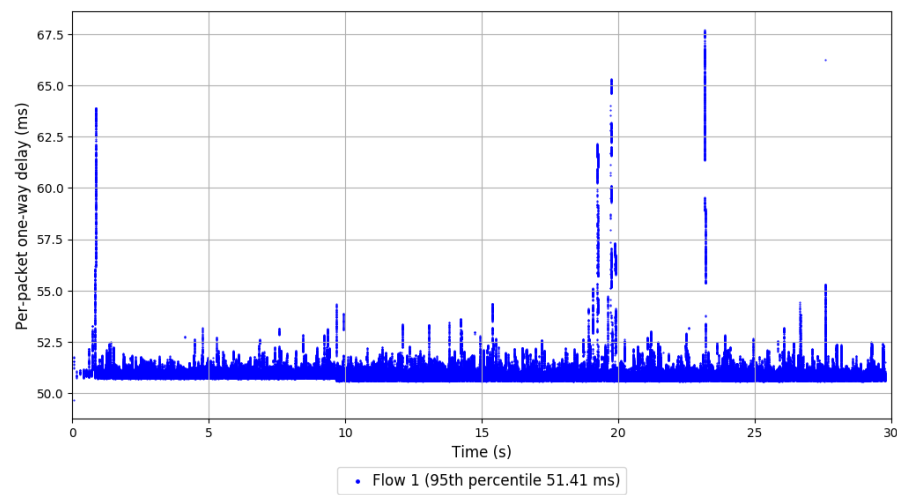
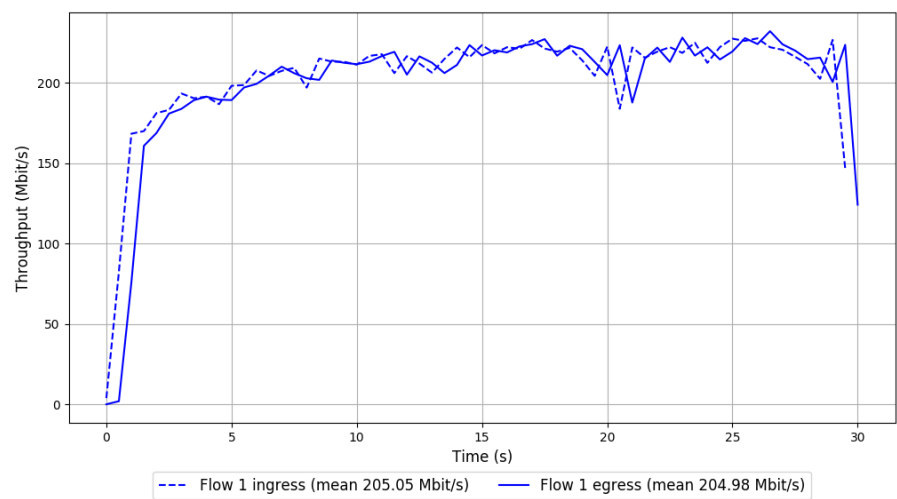


Run 6: Statistics of Indigo

Start at: 2018-07-12 12:56:29
End at: 2018-07-12 12:56:59
Local clock offset: -0.251 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 51.407 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 204.98 Mbit/s
95th percentile per-packet one-way delay: 51.407 ms
Loss rate: 0.37%

Run 6: Report of Indigo — Data Link

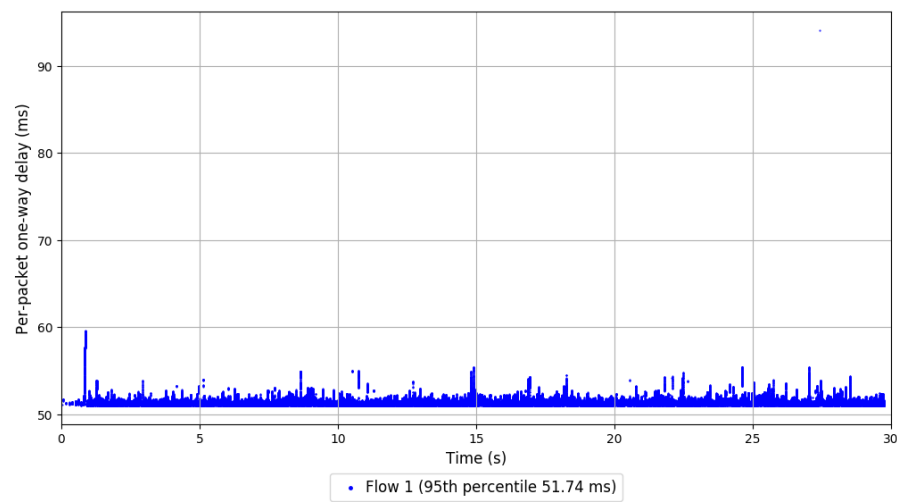
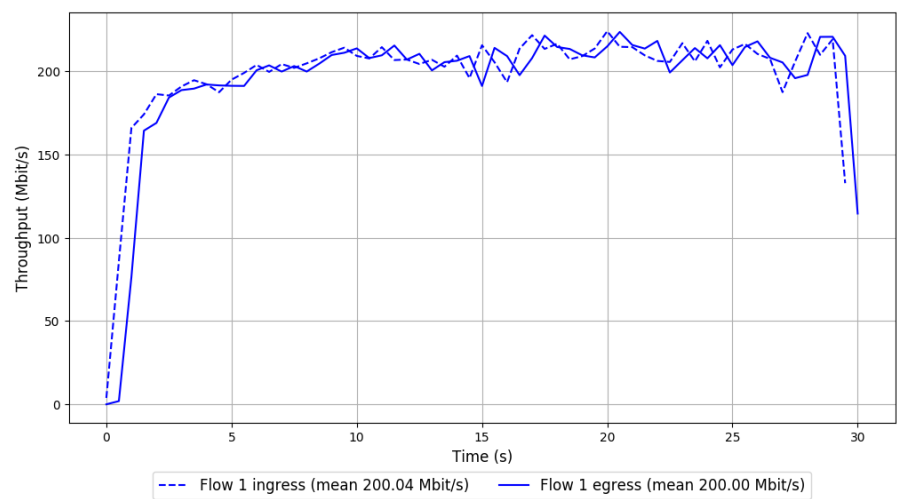


Run 7: Statistics of Indigo

Start at: 2018-07-12 13:18:13
End at: 2018-07-12 13:18:43
Local clock offset: 0.148 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.00 Mbit/s
95th percentile per-packet one-way delay: 51.739 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 200.00 Mbit/s
95th percentile per-packet one-way delay: 51.739 ms
Loss rate: 0.36%

Run 7: Report of Indigo — Data Link

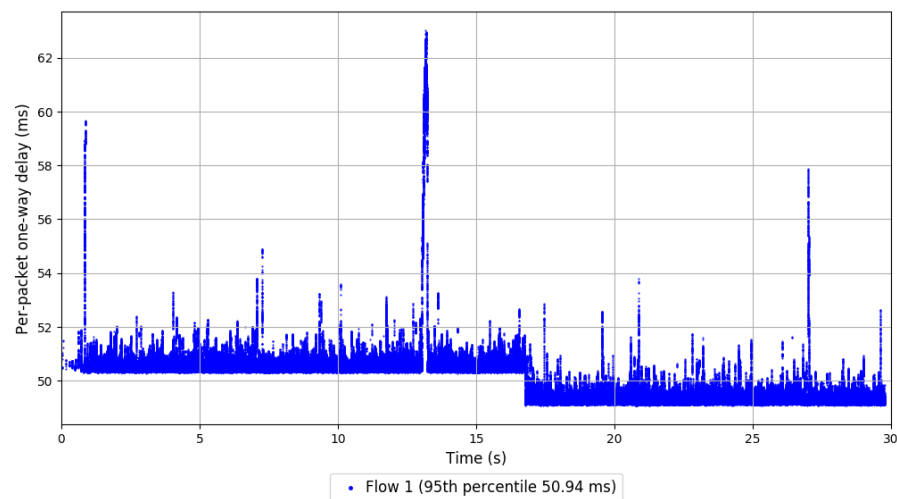
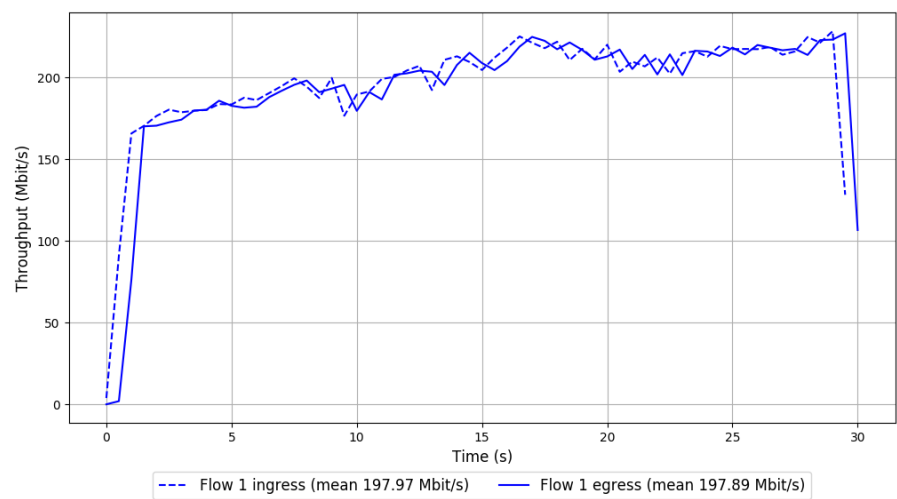


Run 8: Statistics of Indigo

Start at: 2018-07-12 13:39:52
End at: 2018-07-12 13:40:22
Local clock offset: -0.569 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.89 Mbit/s
95th percentile per-packet one-way delay: 50.935 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 197.89 Mbit/s
95th percentile per-packet one-way delay: 50.935 ms
Loss rate: 0.38%

Run 8: Report of Indigo — Data Link

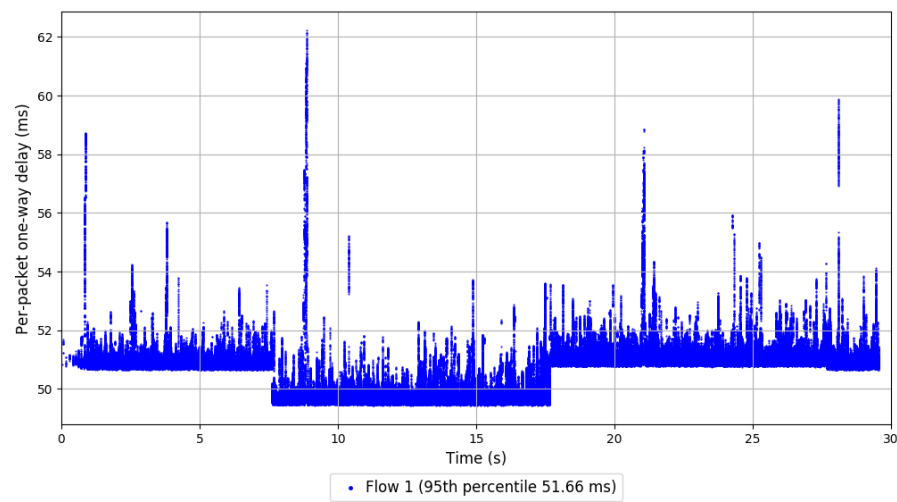
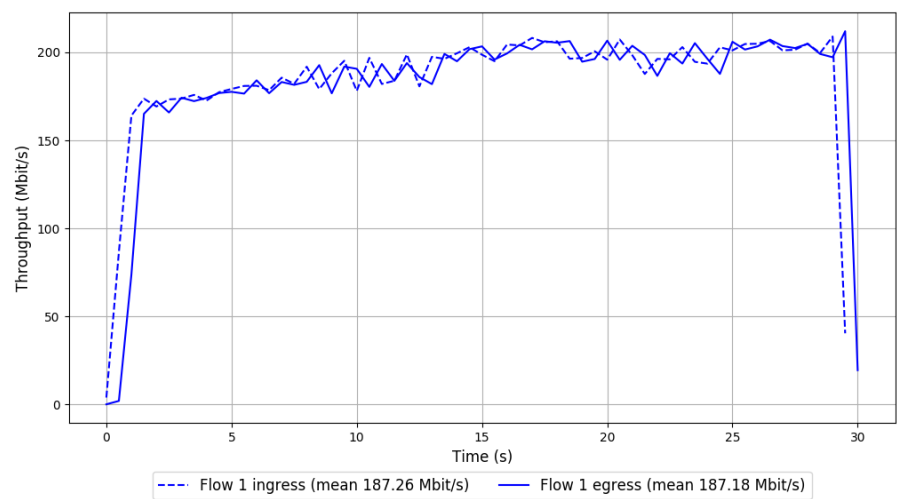


Run 9: Statistics of Indigo

Start at: 2018-07-12 14:01:21
End at: 2018-07-12 14:01:51
Local clock offset: -0.226 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.18 Mbit/s
95th percentile per-packet one-way delay: 51.655 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 187.18 Mbit/s
95th percentile per-packet one-way delay: 51.655 ms
Loss rate: 0.39%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-12 14:22:43

End at: 2018-07-12 14:23:13

Local clock offset: 0.124 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.73 Mbit/s

95th percentile per-packet one-way delay: 51.160 ms

Loss rate: 0.37%

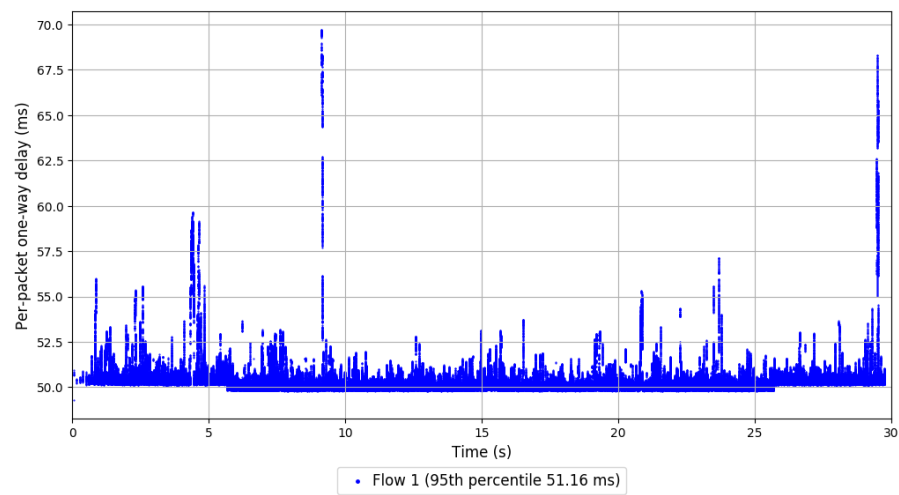
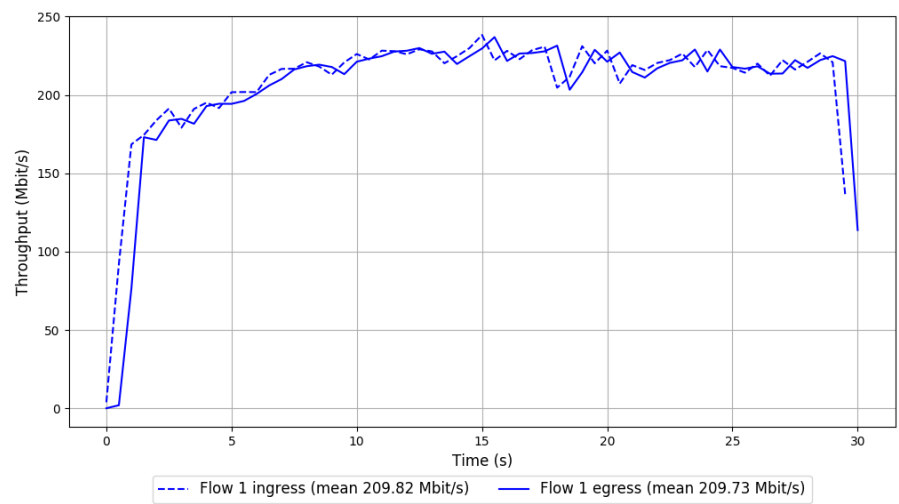
-- Flow 1:

Average throughput: 209.73 Mbit/s

95th percentile per-packet one-way delay: 51.160 ms

Loss rate: 0.37%

Run 10: Report of Indigo — Data Link

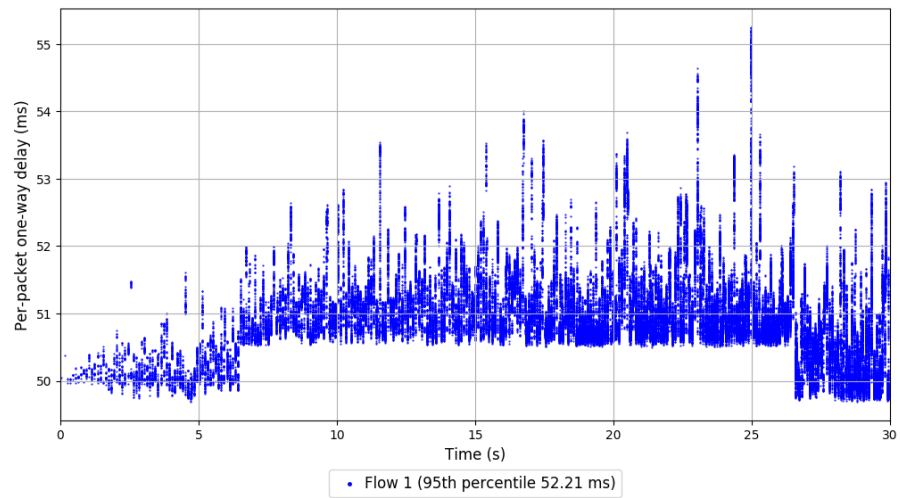
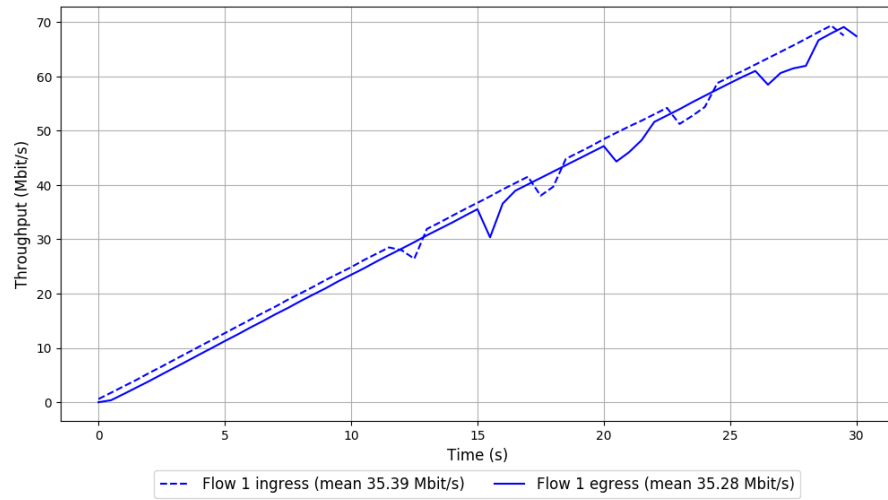


Run 1: Statistics of LEDBAT

Start at: 2018-07-12 11:18:52
End at: 2018-07-12 11:19:22
Local clock offset: -0.242 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 0.66%

Run 1: Report of LEDBAT — Data Link

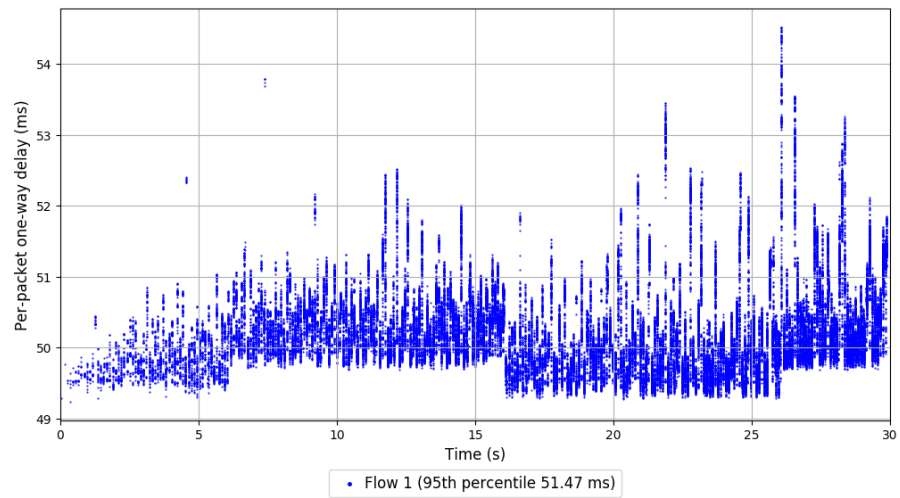
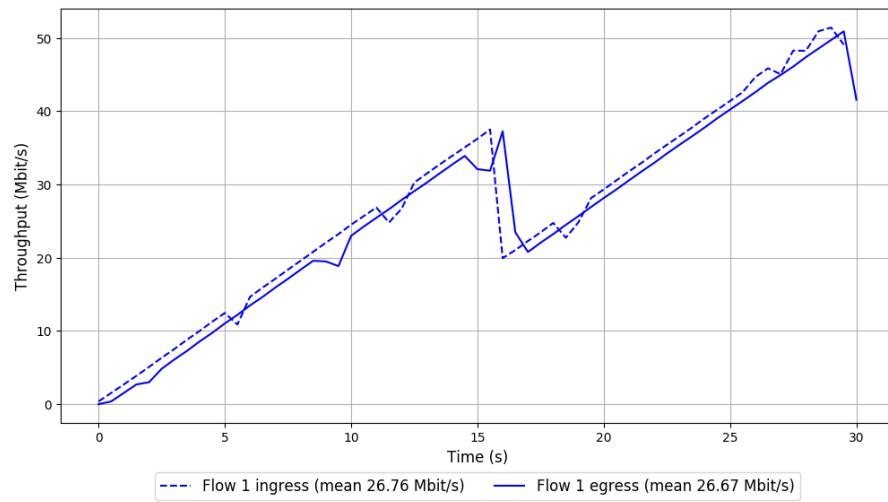


Run 2: Statistics of LEDBAT

Start at: 2018-07-12 11:40:13
End at: 2018-07-12 11:40:43
Local clock offset: -0.587 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 51.465 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 51.465 ms
Loss rate: 0.66%

Run 2: Report of LEDBAT — Data Link

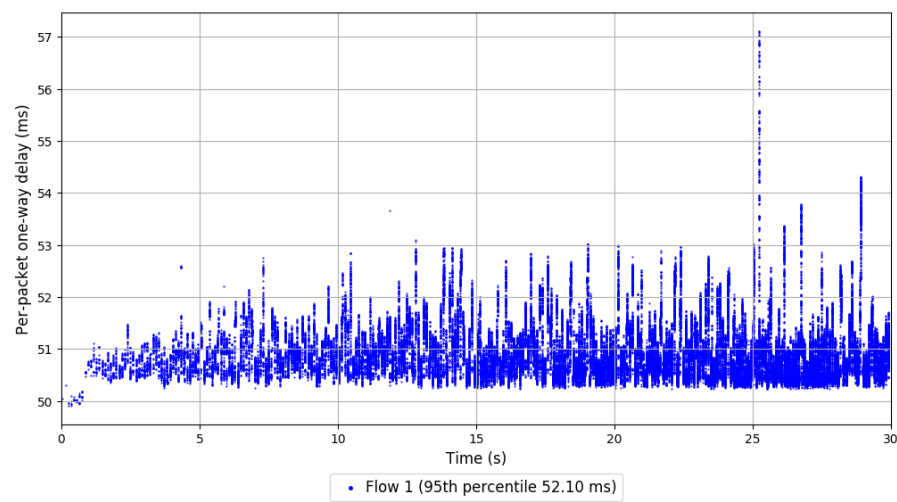
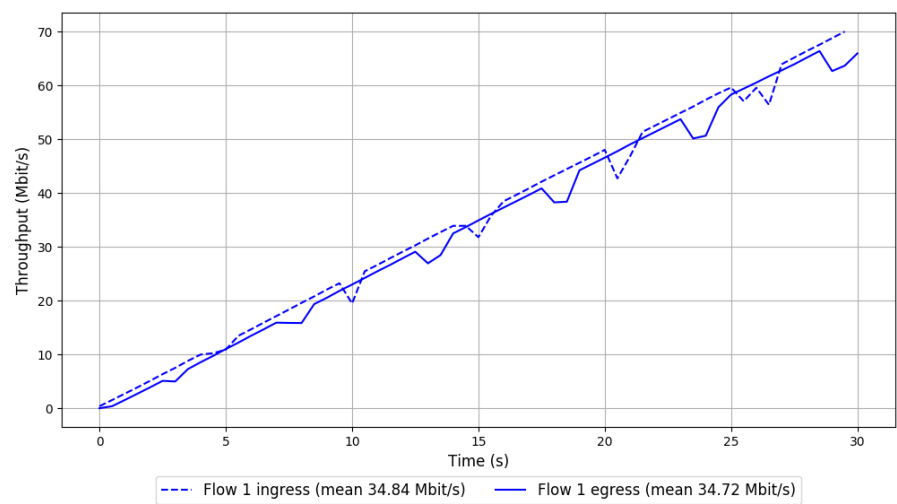


Run 3: Statistics of LEDBAT

Start at: 2018-07-12 12:01:58
End at: 2018-07-12 12:02:28
Local clock offset: -0.599 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.67%

Run 3: Report of LEDBAT — Data Link

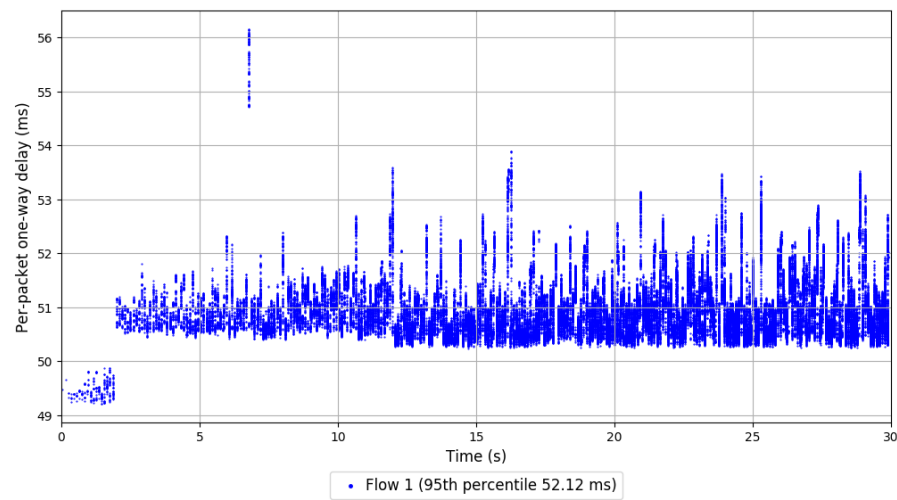
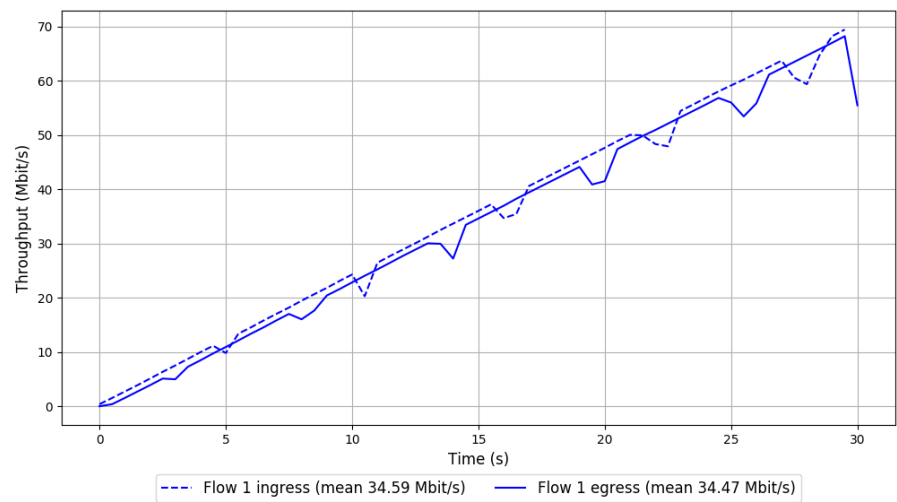


Run 4: Statistics of LEDBAT

Start at: 2018-07-12 12:23:47
End at: 2018-07-12 12:24:17
Local clock offset: -0.565 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 52.119 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 52.119 ms
Loss rate: 0.67%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

End at: 2018-07-12 12:45:50

Local clock offset: -0.585 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 51.464 ms

Loss rate: 0.67%

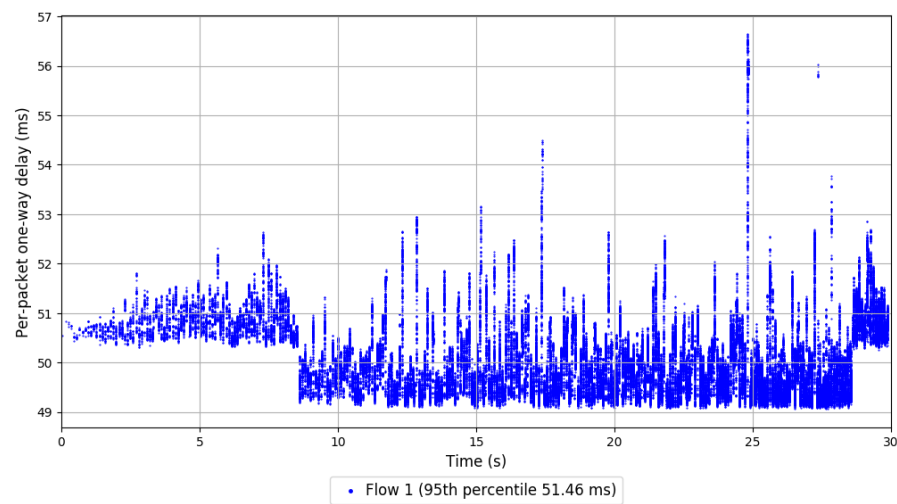
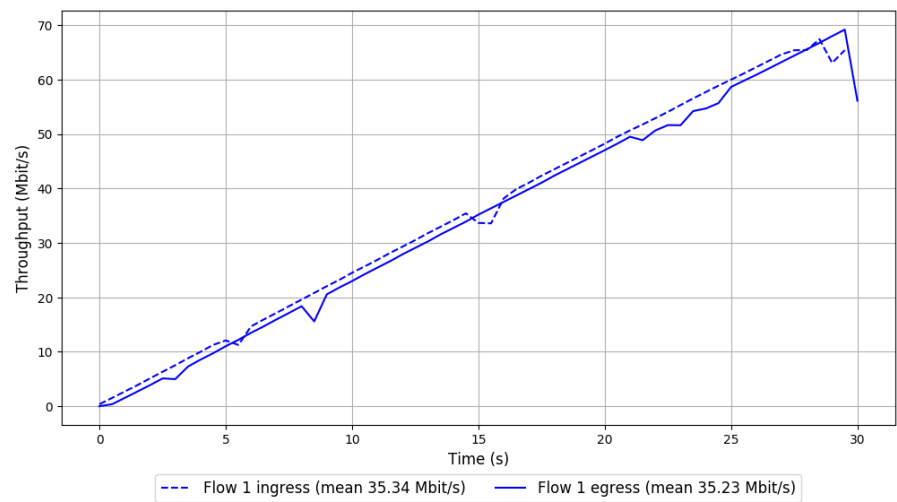
-- Flow 1:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 51.464 ms

Loss rate: 0.67%

Run 5: Report of LEDBAT — Data Link

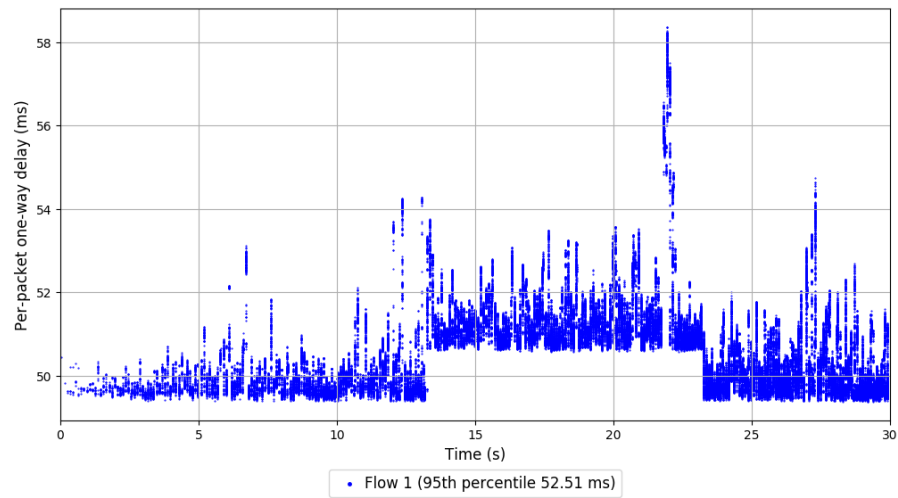
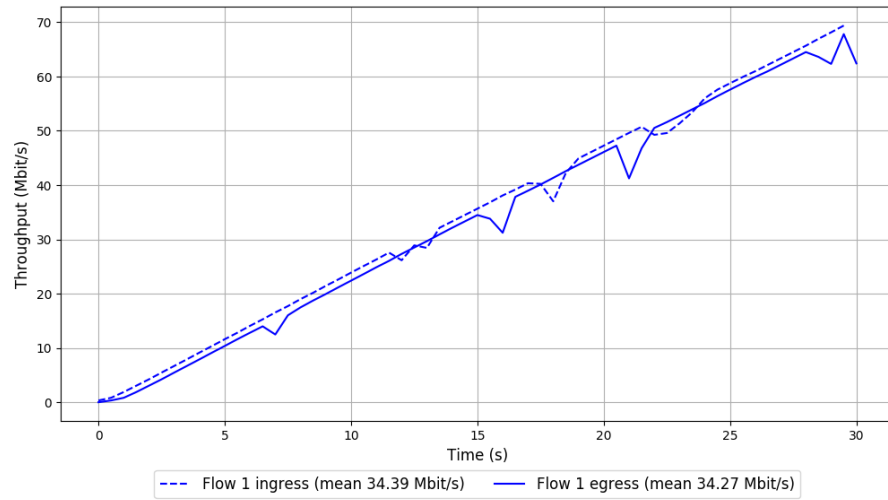


Run 6: Statistics of LEDBAT

Start at: 2018-07-12 13:07:05
End at: 2018-07-12 13:07:35
Local clock offset: -0.246 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 52.513 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 52.513 ms
Loss rate: 0.68%

Run 6: Report of LEDBAT — Data Link

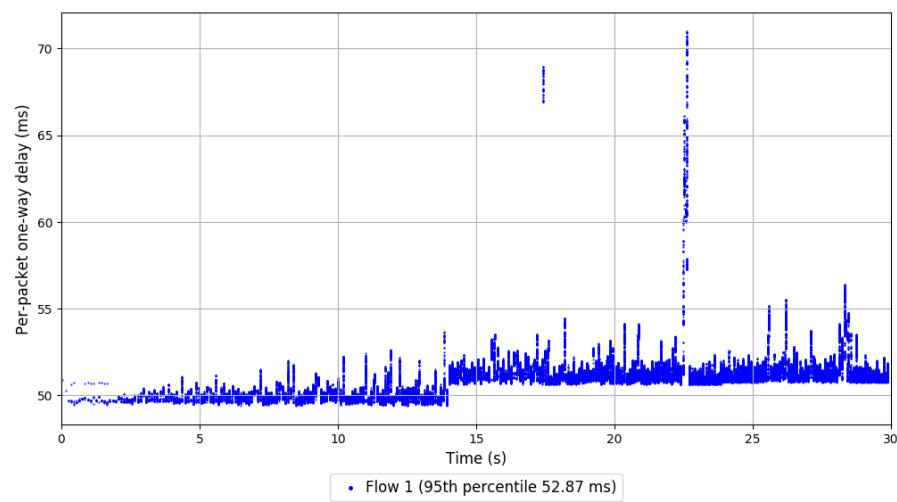
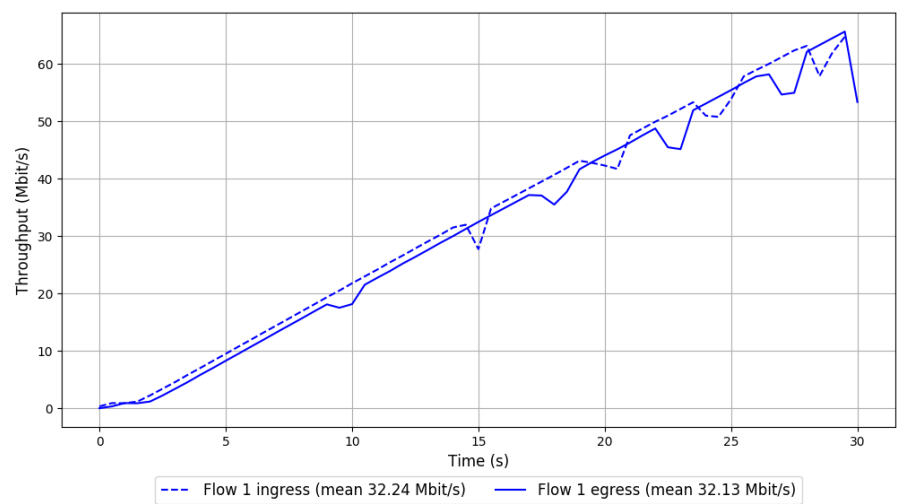


Run 7: Statistics of LEDBAT

Start at: 2018-07-12 13:28:35
End at: 2018-07-12 13:29:05
Local clock offset: -0.24 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-12 15:41:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 52.865 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 52.865 ms
Loss rate: 0.70%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-12 13:50:22

End at: 2018-07-12 13:50:52

Local clock offset: -0.536 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.94 Mbit/s

95th percentile per-packet one-way delay: 51.811 ms

Loss rate: 0.67%

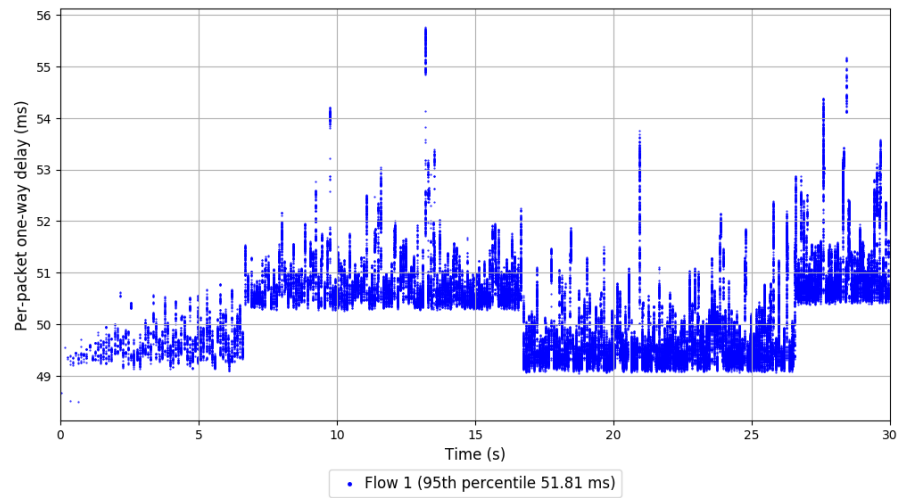
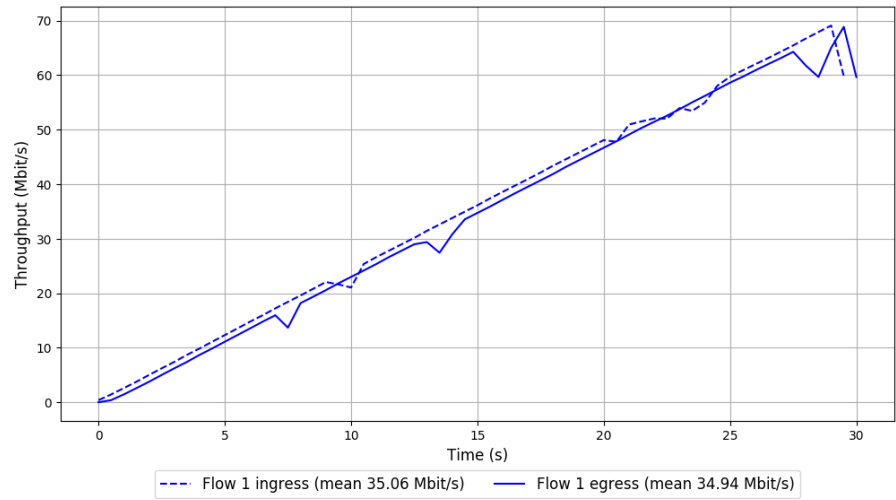
-- Flow 1:

Average throughput: 34.94 Mbit/s

95th percentile per-packet one-way delay: 51.811 ms

Loss rate: 0.67%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-12 14:11:35

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

Local clock offset: -0.234 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 52.070 ms

Loss rate: 0.67%

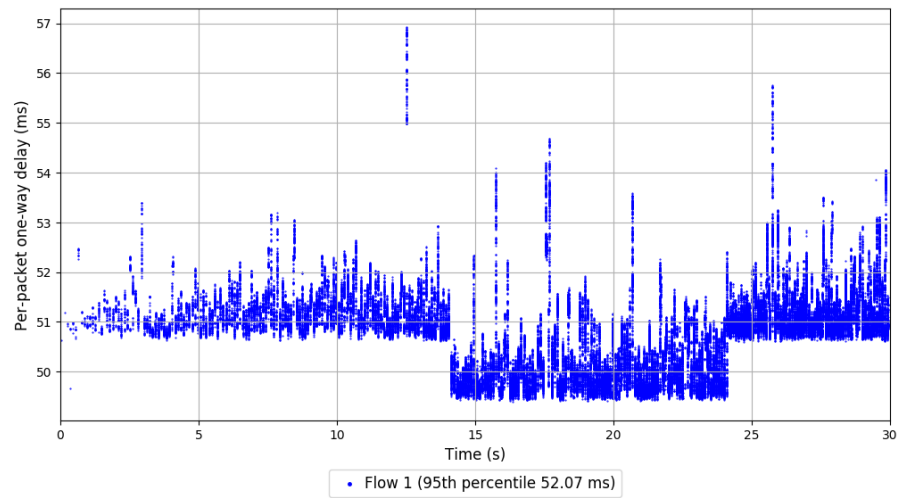
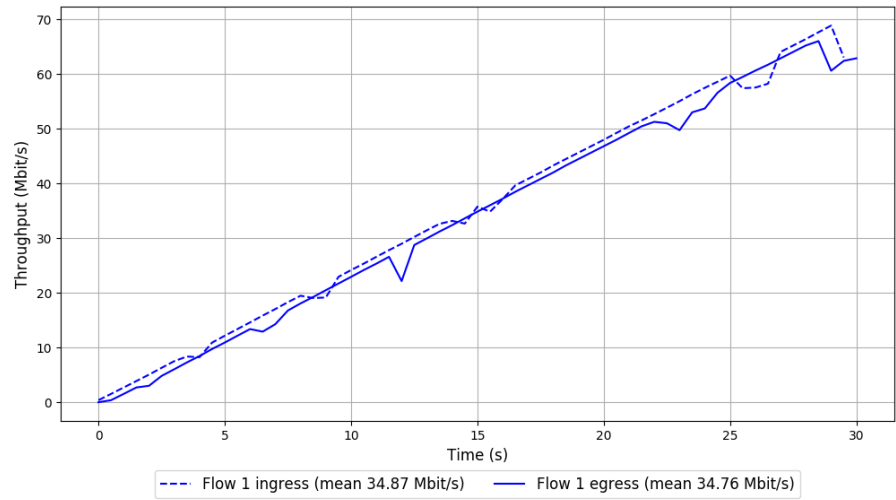
-- Flow 1:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 52.070 ms

Loss rate: 0.67%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-12 14:33:34

End at: 2018-07-12 14:34:04

Local clock offset: -0.232 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-12 15:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 51.736 ms

Loss rate: 0.68%

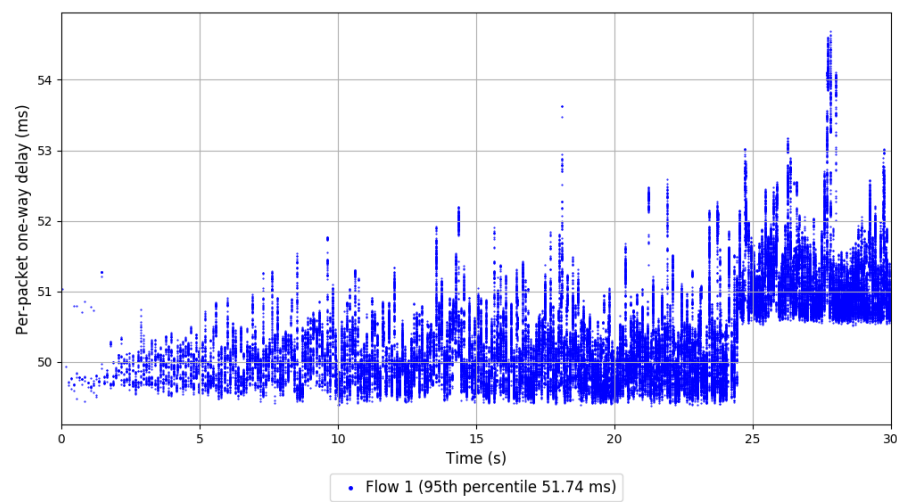
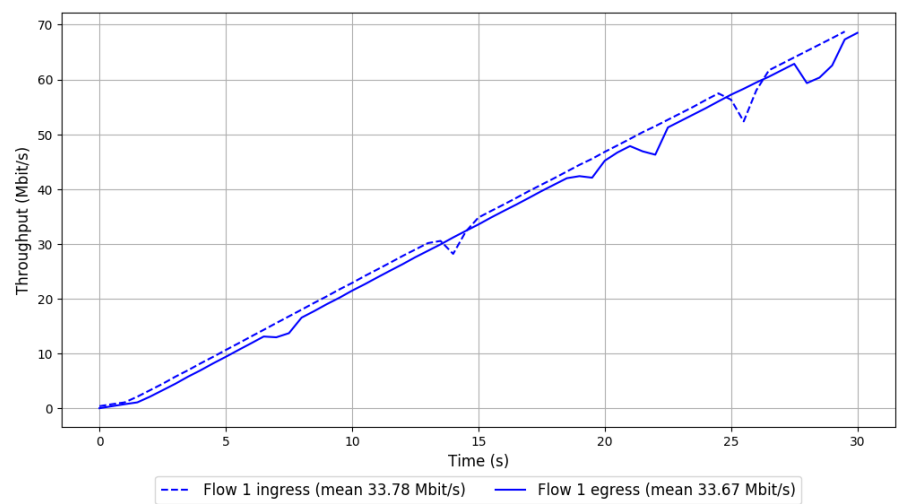
-- Flow 1:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 51.736 ms

Loss rate: 0.68%

Run 10: Report of LEDBAT — Data Link

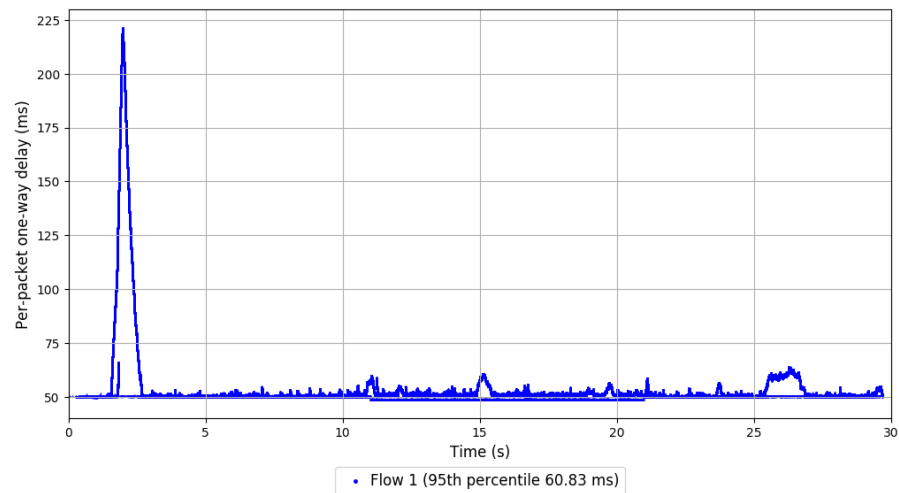
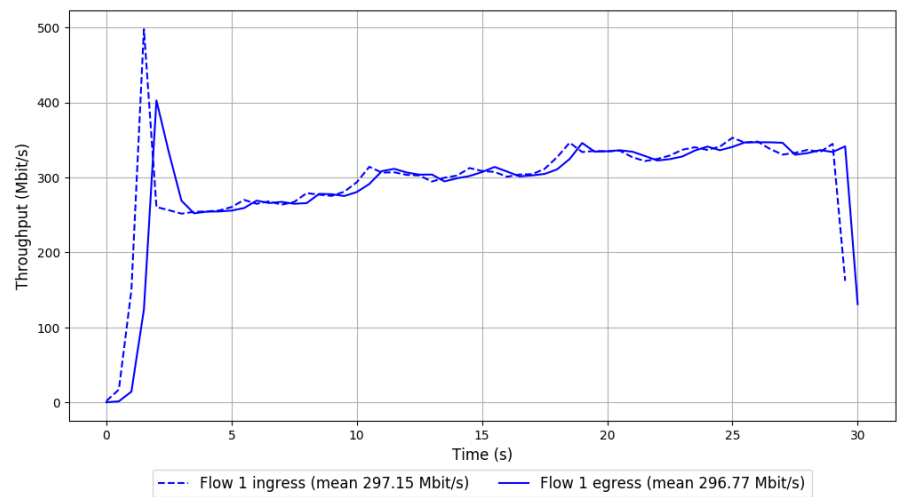


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-12 11:07:17
End at: 2018-07-12 11:07:47
Local clock offset: -0.162 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 15:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.77 Mbit/s
95th percentile per-packet one-way delay: 60.834 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 296.77 Mbit/s
95th percentile per-packet one-way delay: 60.834 ms
Loss rate: 0.46%

Run 1: Report of PCC-Allegro — Data Link

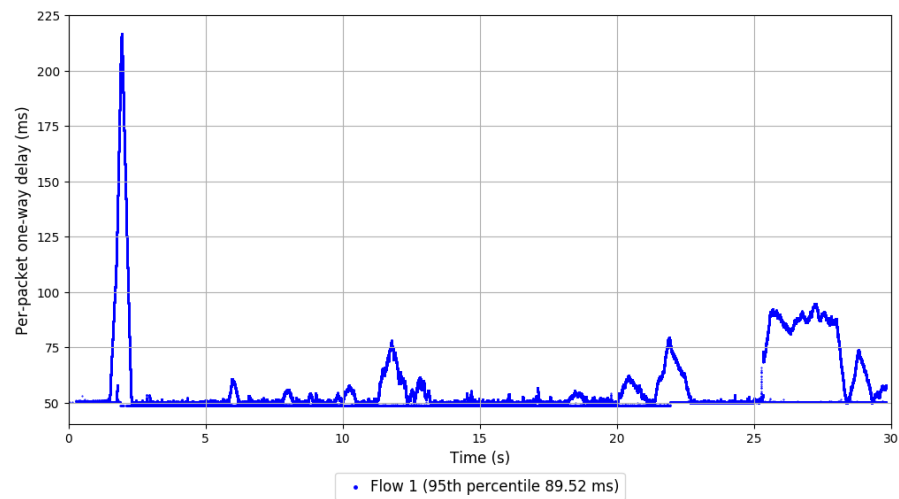
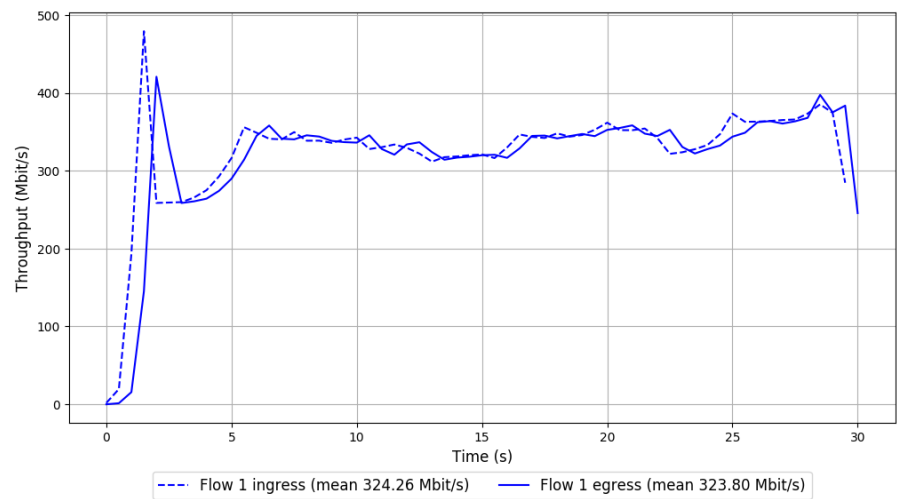


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-12 11:28:27
End at: 2018-07-12 11:28:57
Local clock offset: -0.235 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-12 15:43:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 323.80 Mbit/s
95th percentile per-packet one-way delay: 89.517 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 323.80 Mbit/s
95th percentile per-packet one-way delay: 89.517 ms
Loss rate: 0.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-12 11:49:57

End at: 2018-07-12 11:50:27

Local clock offset: -0.23 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-12 15:43:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.54 Mbit/s

95th percentile per-packet one-way delay: 68.892 ms

Loss rate: 0.36%

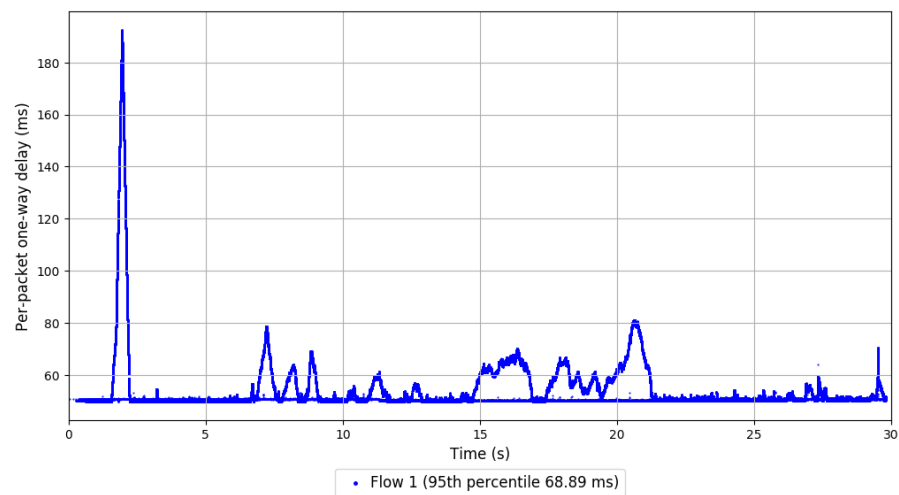
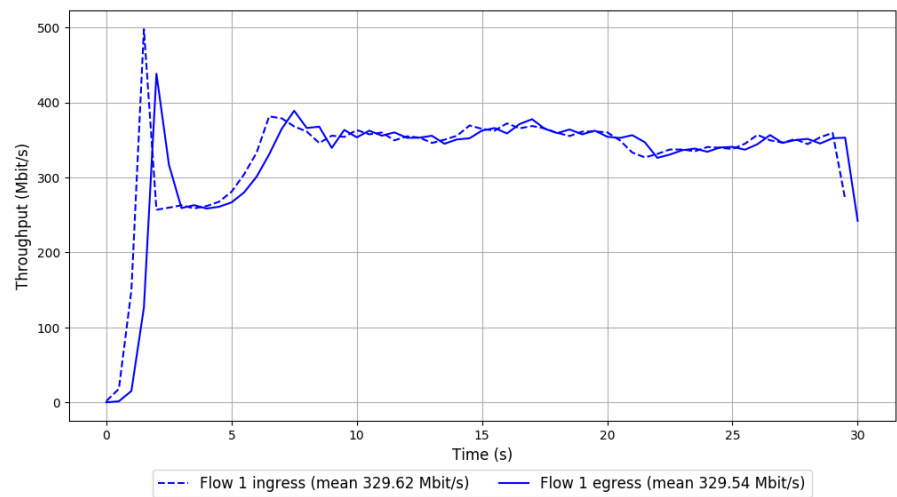
-- Flow 1:

Average throughput: 329.54 Mbit/s

95th percentile per-packet one-way delay: 68.892 ms

Loss rate: 0.36%

Run 3: Report of PCC-Allegro — Data Link

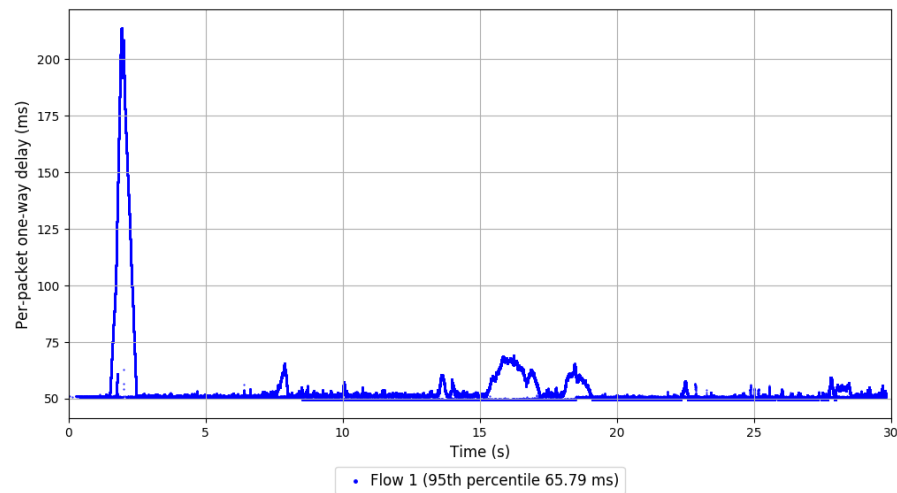
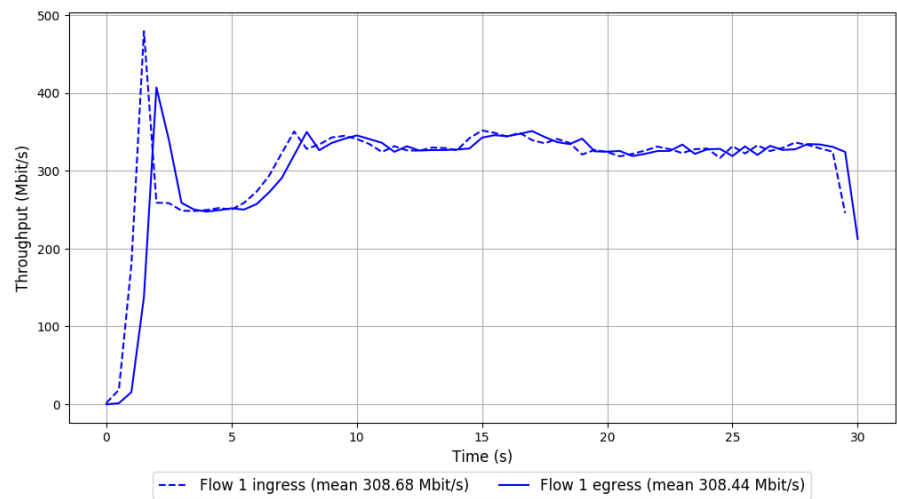


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-12 12:11:50
End at: 2018-07-12 12:12:20
Local clock offset: -0.147 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-12 15:43:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.44 Mbit/s
95th percentile per-packet one-way delay: 65.793 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 308.44 Mbit/s
95th percentile per-packet one-way delay: 65.793 ms
Loss rate: 0.42%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-12 12:33:44

End at: 2018-07-12 12:34:14

Local clock offset: -0.562 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-12 15:43:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.54 Mbit/s

95th percentile per-packet one-way delay: 59.648 ms

Loss rate: 0.43%

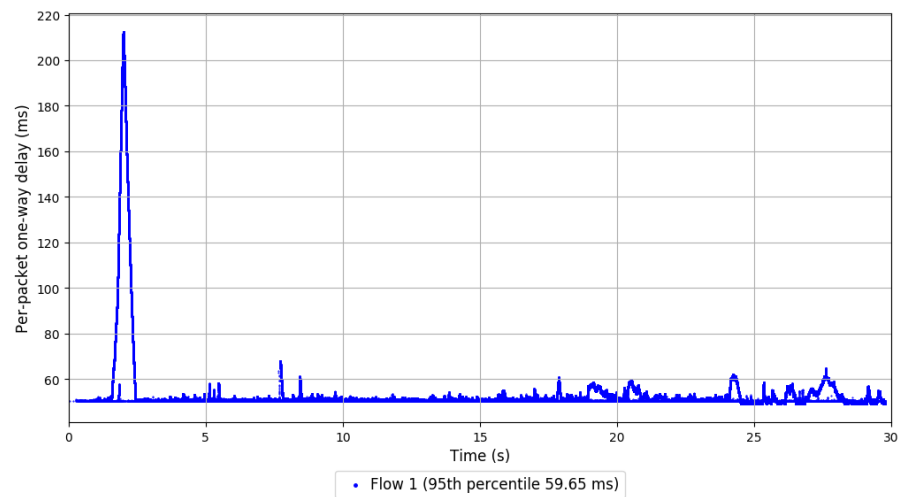
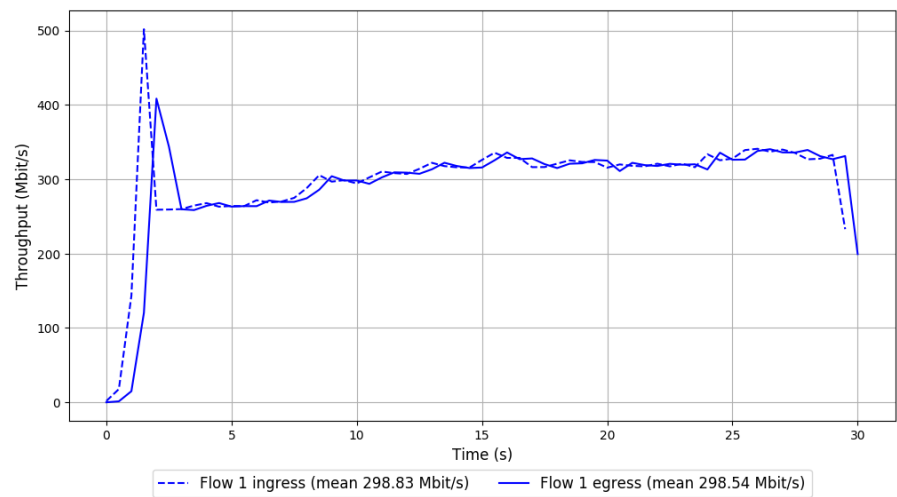
-- Flow 1:

Average throughput: 298.54 Mbit/s

95th percentile per-packet one-way delay: 59.648 ms

Loss rate: 0.43%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

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

End at: 2018-07-12 12:55:42

Local clock offset: -0.255 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-12 15:43:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.51 Mbit/s

95th percentile per-packet one-way delay: 61.300 ms

Loss rate: 0.37%

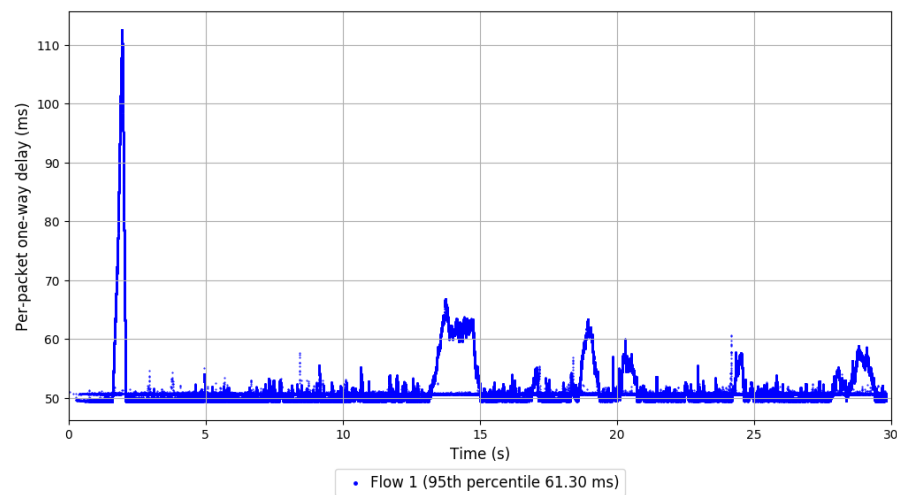
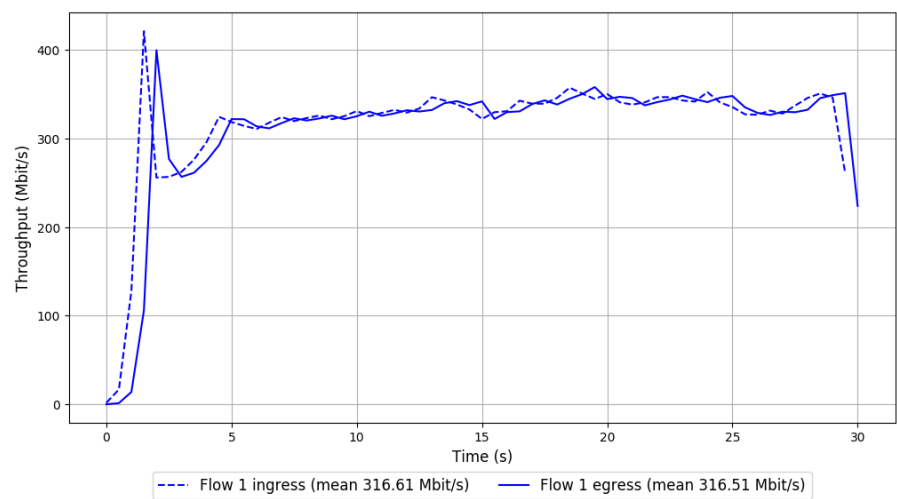
-- Flow 1:

Average throughput: 316.51 Mbit/s

95th percentile per-packet one-way delay: 61.300 ms

Loss rate: 0.37%

Run 6: Report of PCC-Allegro — Data Link

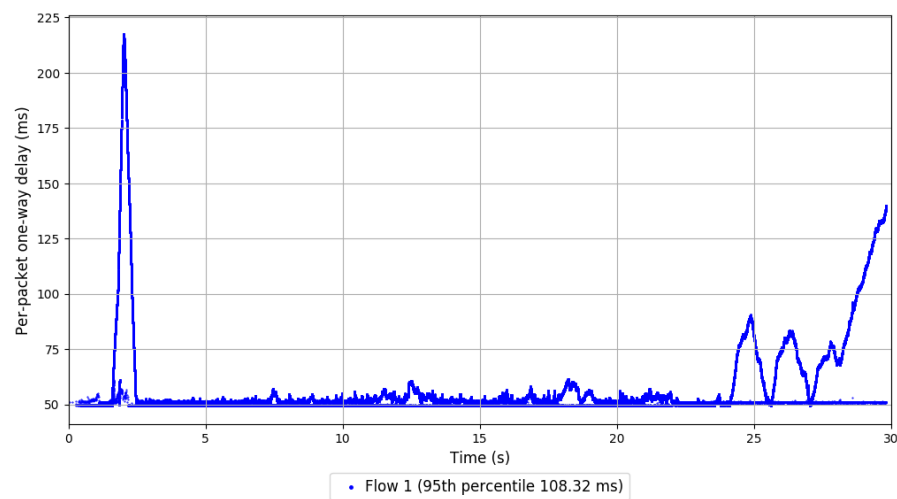
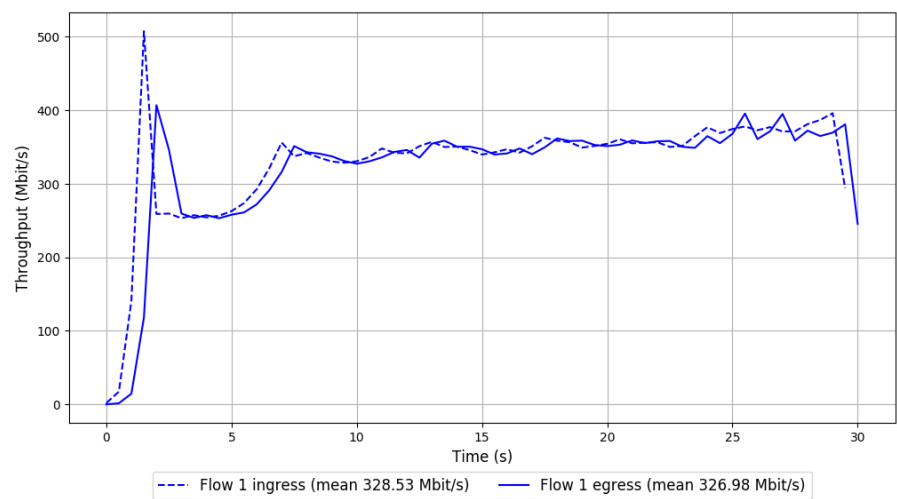


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-12 13:16:57
End at: 2018-07-12 13:17:27
Local clock offset: -0.216 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-12 15:45:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.98 Mbit/s
95th percentile per-packet one-way delay: 108.323 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 326.98 Mbit/s
95th percentile per-packet one-way delay: 108.323 ms
Loss rate: 0.82%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-12 13:38:36

End at: 2018-07-12 13:39:06

Local clock offset: -0.565 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-12 15:46:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.05 Mbit/s

95th percentile per-packet one-way delay: 75.474 ms

Loss rate: 0.41%

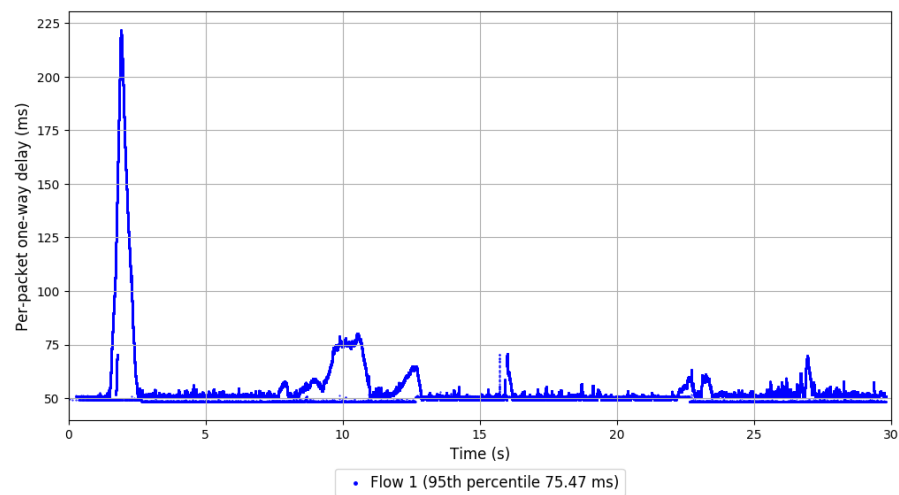
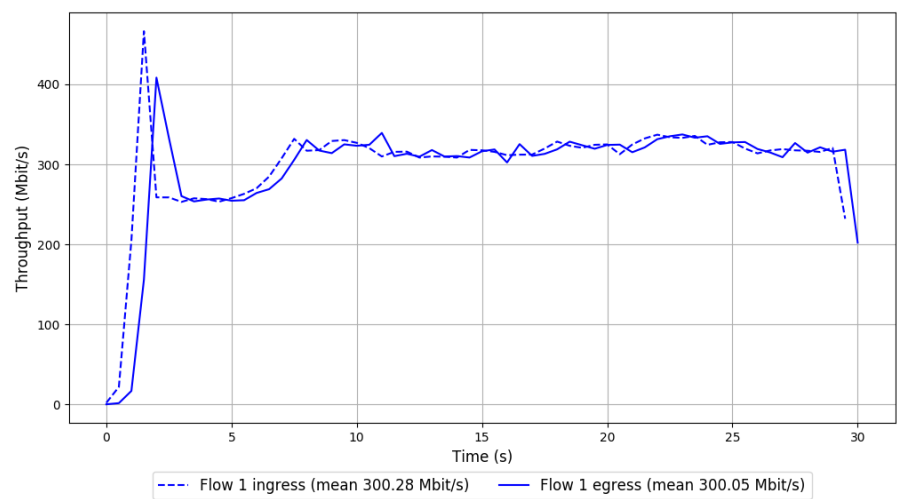
-- Flow 1:

Average throughput: 300.05 Mbit/s

95th percentile per-packet one-way delay: 75.474 ms

Loss rate: 0.41%

Run 8: Report of PCC-Allegro — Data Link

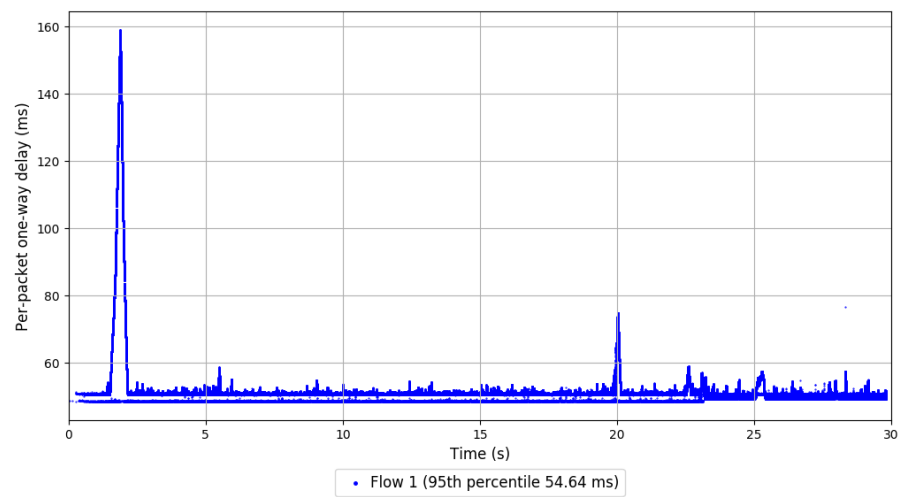
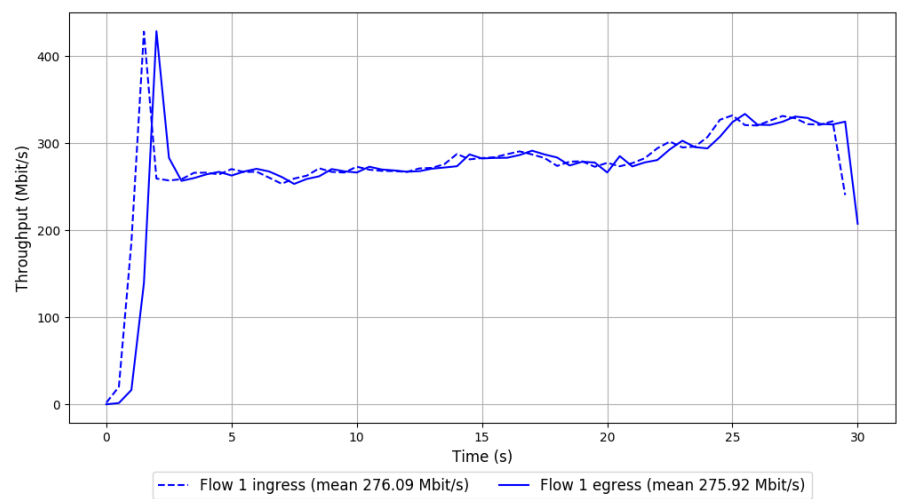


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-12 14:00:05
End at: 2018-07-12 14:00:36
Local clock offset: -0.598 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-12 15:47:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.92 Mbit/s
95th percentile per-packet one-way delay: 54.642 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 275.92 Mbit/s
95th percentile per-packet one-way delay: 54.642 ms
Loss rate: 0.40%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-12 14:21:26

End at: 2018-07-12 14:21:56

Local clock offset: 0.191 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-12 15:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.53 Mbit/s

95th percentile per-packet one-way delay: 82.006 ms

Loss rate: 0.40%

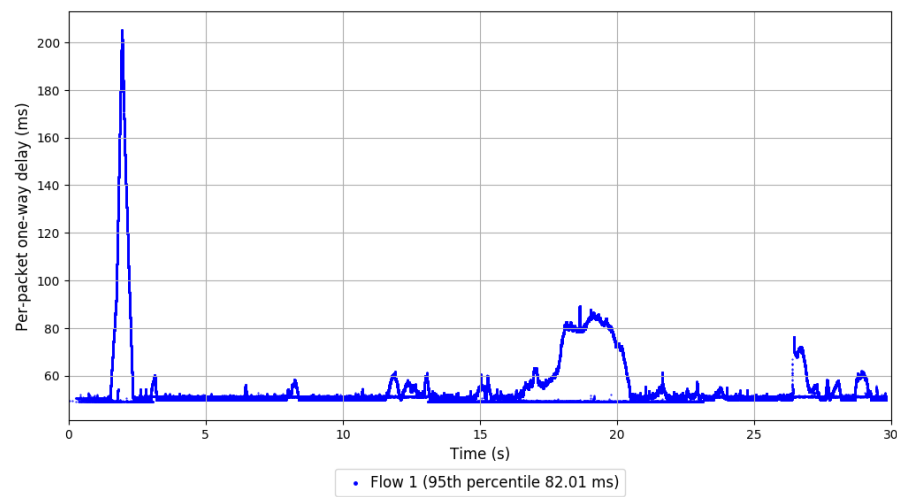
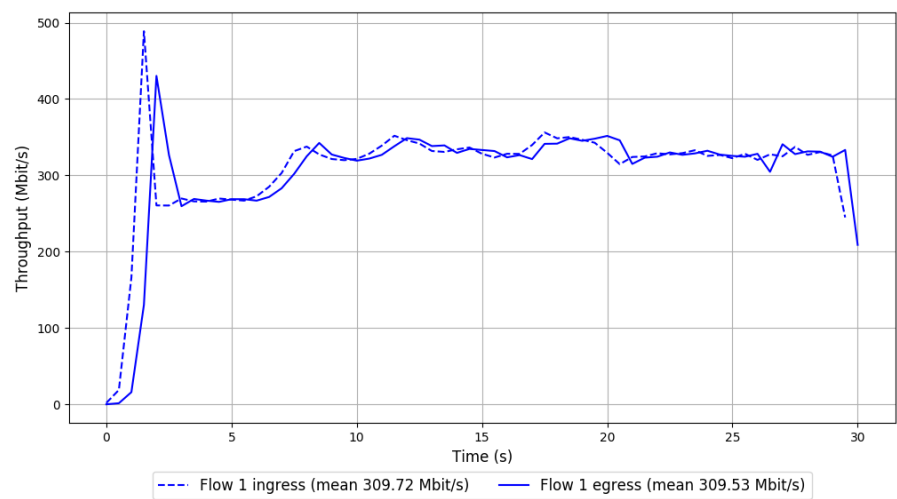
-- Flow 1:

Average throughput: 309.53 Mbit/s

95th percentile per-packet one-way delay: 82.006 ms

Loss rate: 0.40%

Run 10: Report of PCC-Allegro — Data Link

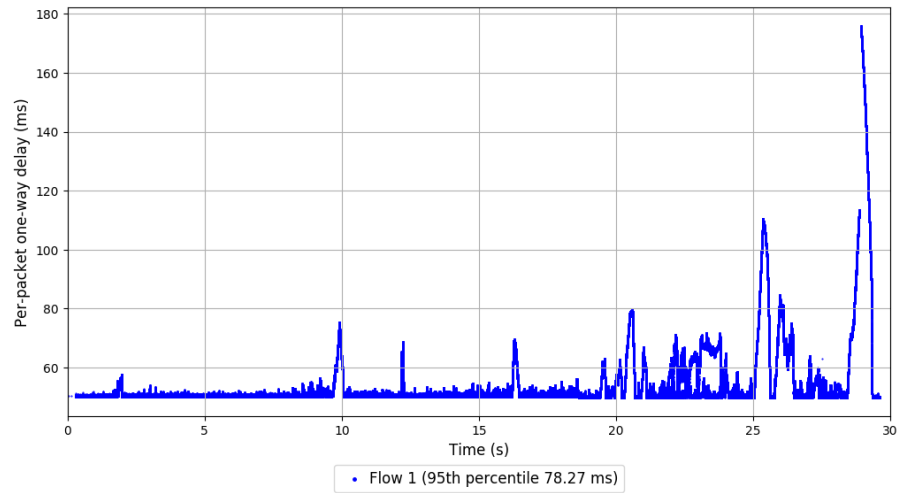
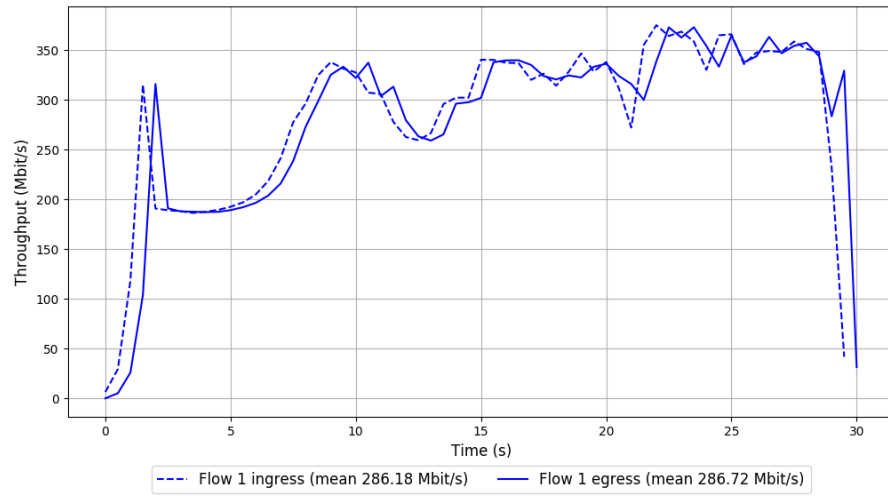


Run 1: Statistics of PCC-Expr

Start at: 2018-07-12 11:14:40
End at: 2018-07-12 11:15:10
Local clock offset: -0.24 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-12 15:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.72 Mbit/s
95th percentile per-packet one-way delay: 78.272 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 286.72 Mbit/s
95th percentile per-packet one-way delay: 78.272 ms
Loss rate: 0.15%

Run 1: Report of PCC-Expr — Data Link

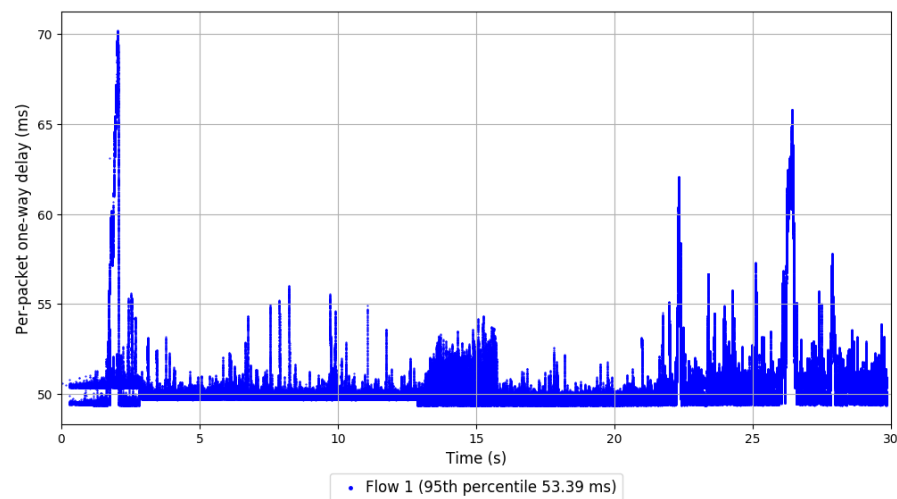
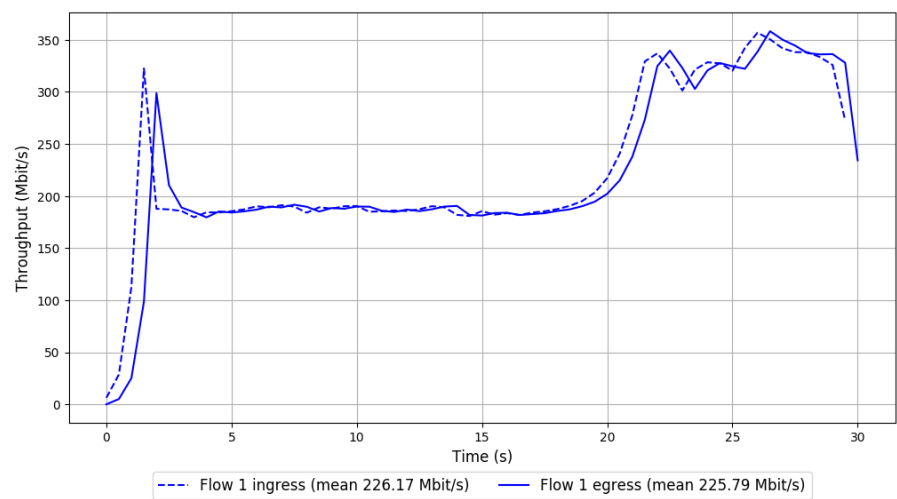


Run 2: Statistics of PCC-Expr

Start at: 2018-07-12 11:35:56
End at: 2018-07-12 11:36:26
Local clock offset: -0.533 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-12 15:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.79 Mbit/s
95th percentile per-packet one-way delay: 53.389 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 225.79 Mbit/s
95th percentile per-packet one-way delay: 53.389 ms
Loss rate: 0.51%

Run 2: Report of PCC-Expr — Data Link

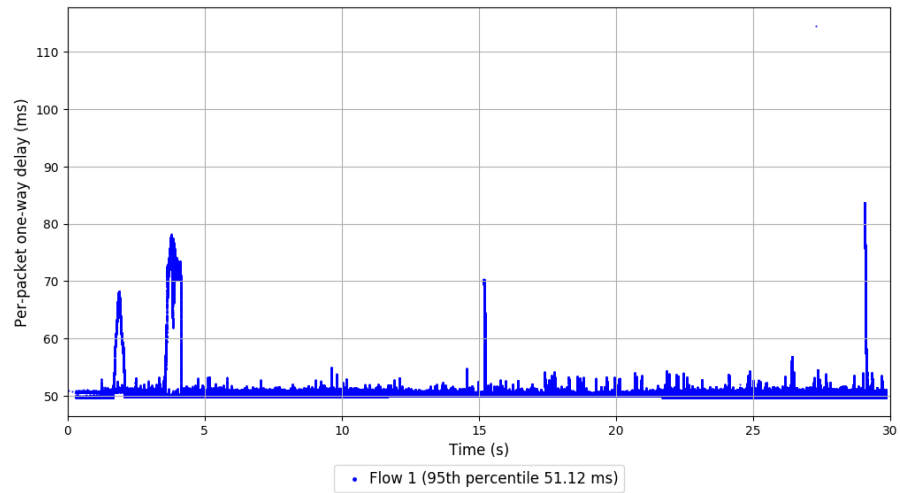
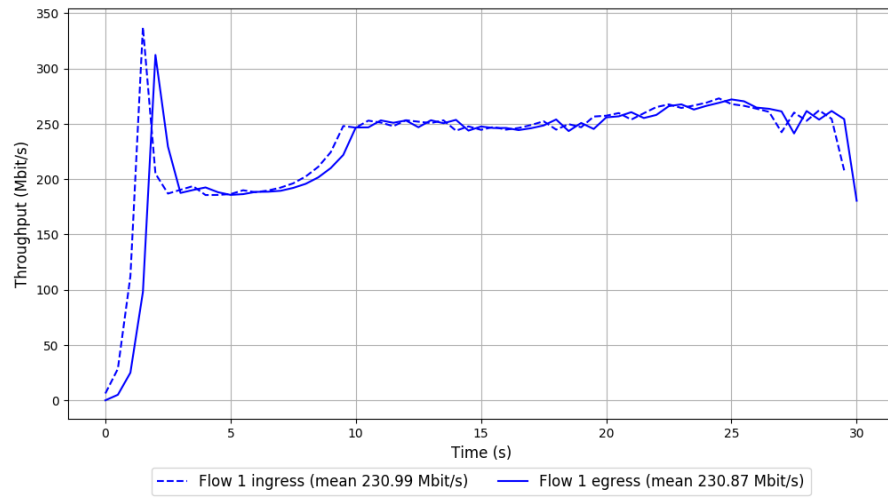


Run 3: Statistics of PCC-Expr

Start at: 2018-07-12 11:57:37
End at: 2018-07-12 11:58:07
Local clock offset: -0.211 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-12 15:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.87 Mbit/s
95th percentile per-packet one-way delay: 51.120 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 230.87 Mbit/s
95th percentile per-packet one-way delay: 51.120 ms
Loss rate: 0.39%

Run 3: Report of PCC-Expr — Data Link

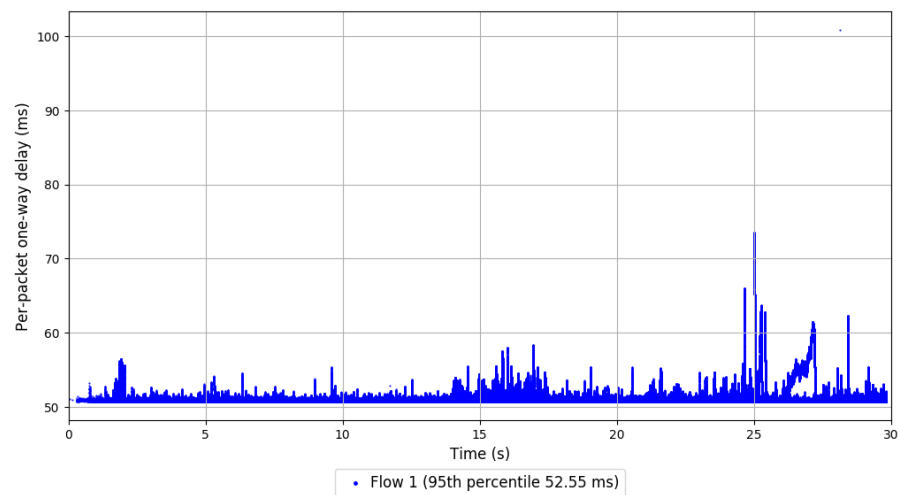
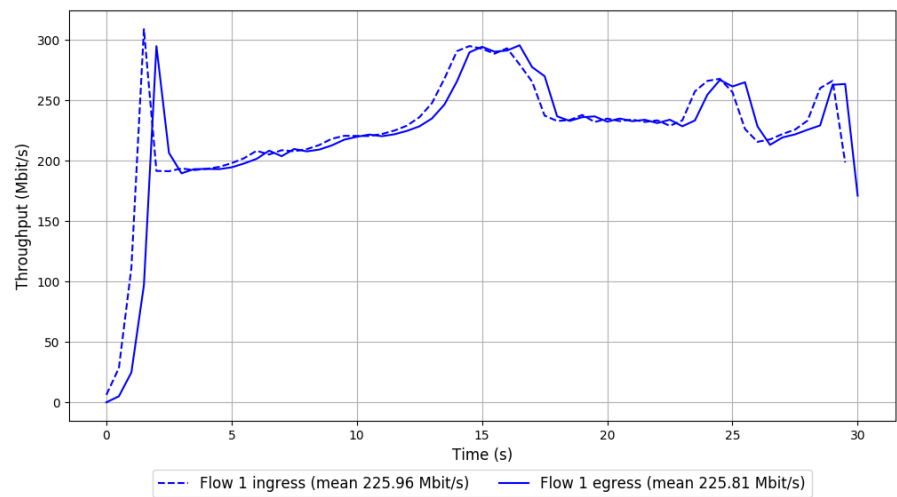


Run 4: Statistics of PCC-Expr

Start at: 2018-07-12 12:19:27
End at: 2018-07-12 12:19:57
Local clock offset: -0.218 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-12 15:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.81 Mbit/s
95th percentile per-packet one-way delay: 52.549 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 225.81 Mbit/s
95th percentile per-packet one-way delay: 52.549 ms
Loss rate: 0.41%

Run 4: Report of PCC-Expr — Data Link

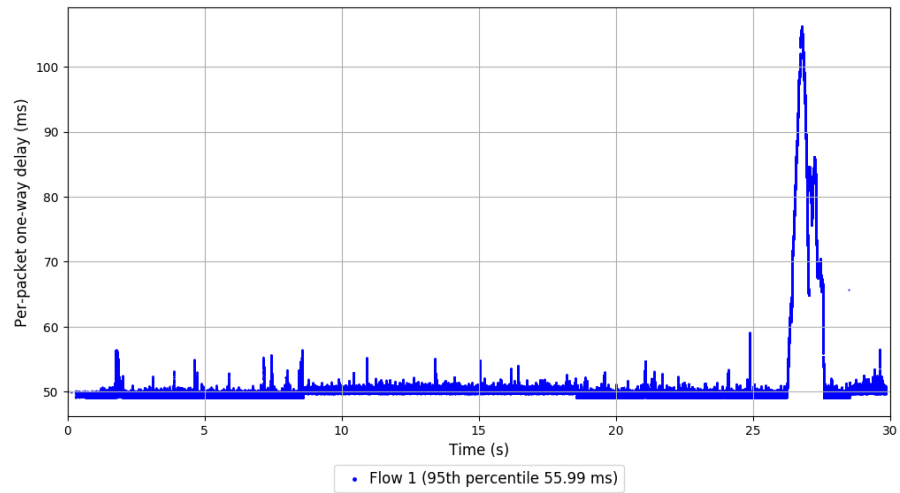
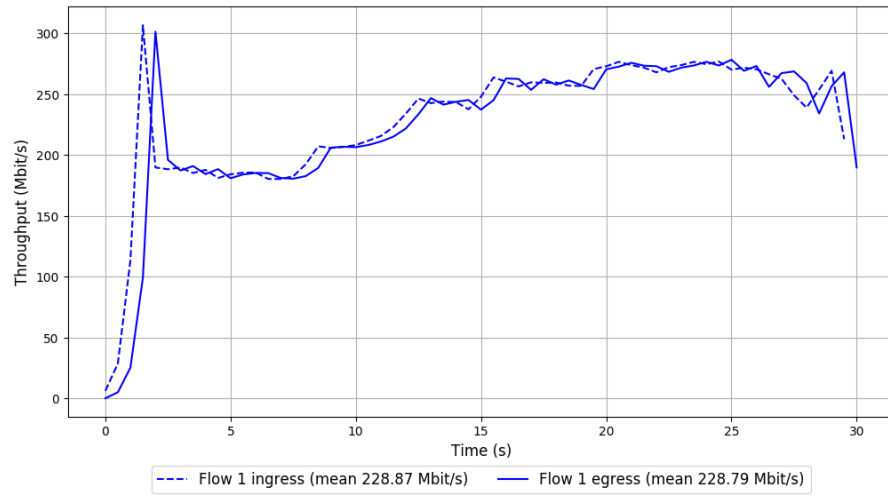


Run 5: Statistics of PCC-Expr

Start at: 2018-07-12 12:41:10
End at: 2018-07-12 12:41:40
Local clock offset: -0.569 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-12 15:52:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 55.992 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 55.992 ms
Loss rate: 0.37%

Run 5: Report of PCC-Expr — Data Link

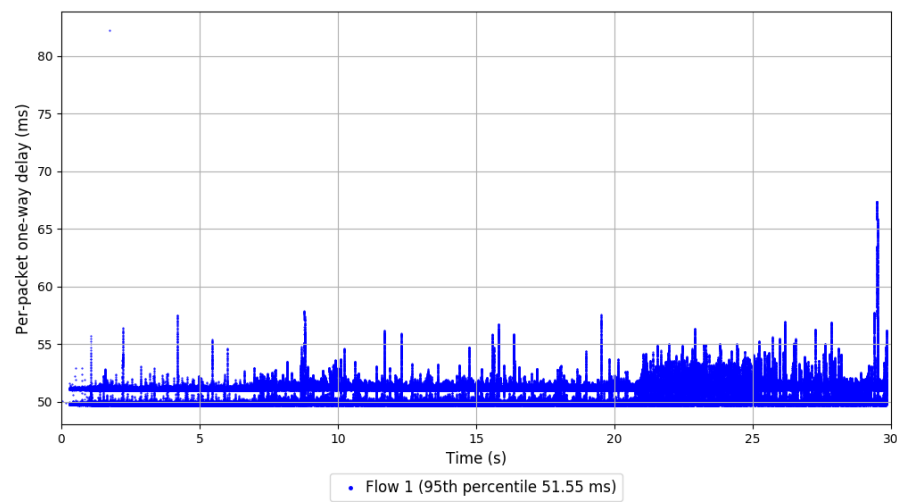
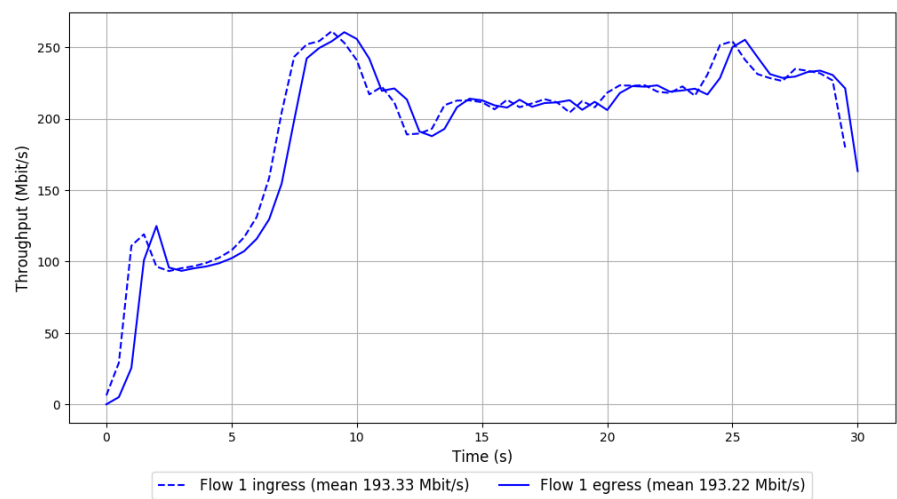


Run 6: Statistics of PCC-Expr

Start at: 2018-07-12 13:02:53
End at: 2018-07-12 13:03:23
Local clock offset: 0.126 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-12 15:53:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.22 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 193.22 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.40%

Run 6: Report of PCC-Expr — Data Link

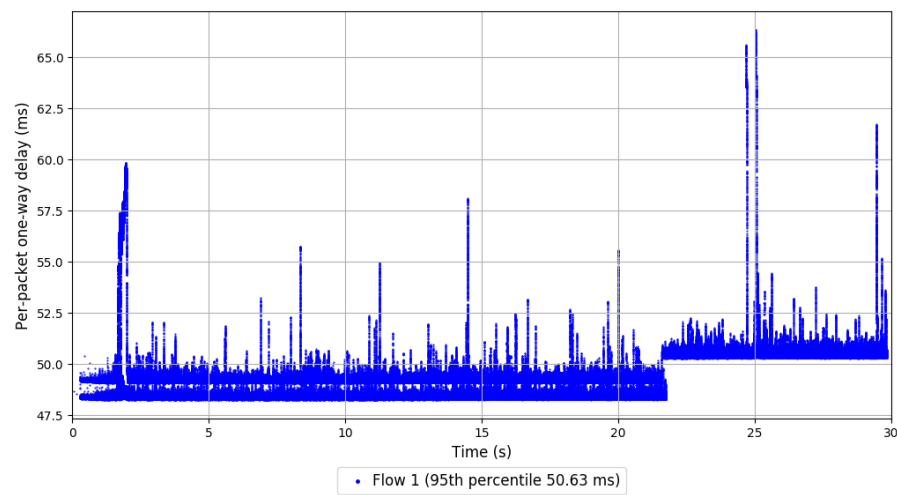
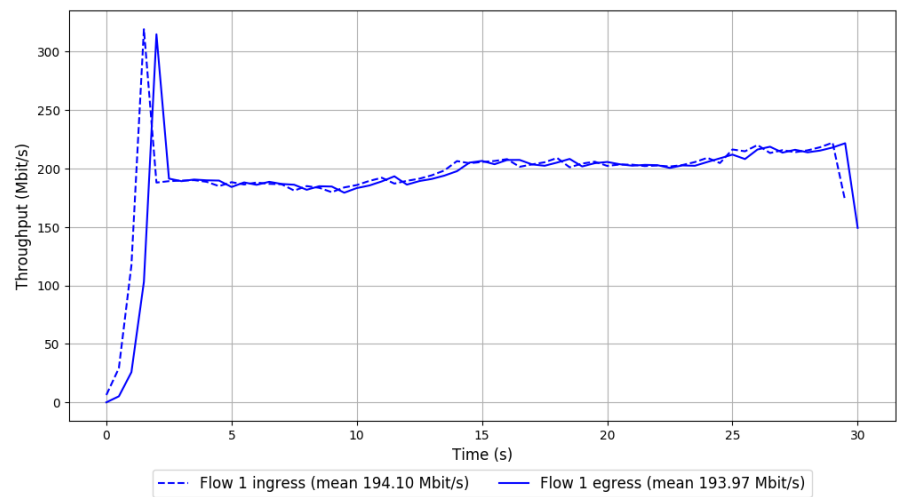


Run 7: Statistics of PCC-Expr

Start at: 2018-07-12 13:24:27
End at: 2018-07-12 13:24:57
Local clock offset: -0.596 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-12 15:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.97 Mbit/s
95th percentile per-packet one-way delay: 50.627 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 193.97 Mbit/s
95th percentile per-packet one-way delay: 50.627 ms
Loss rate: 0.39%

Run 7: Report of PCC-Expr — Data Link

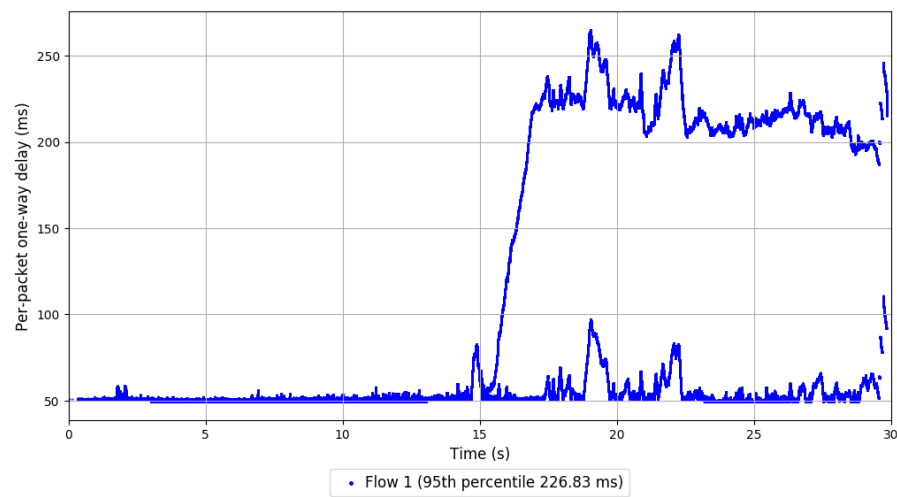
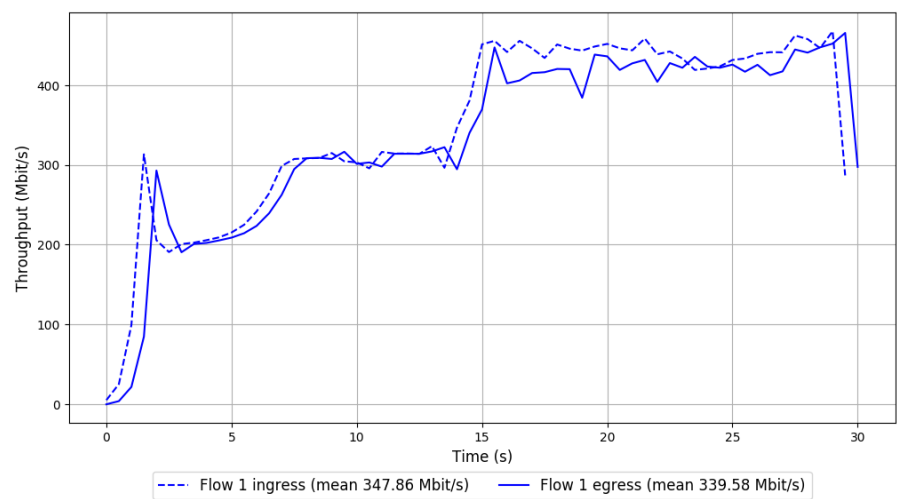


Run 8: Statistics of PCC-Expr

Start at: 2018-07-12 13:46:05
End at: 2018-07-12 13:46:36
Local clock offset: -0.241 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-12 15:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.58 Mbit/s
95th percentile per-packet one-way delay: 226.829 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 339.58 Mbit/s
95th percentile per-packet one-way delay: 226.829 ms
Loss rate: 2.72%

Run 8: Report of PCC-Expr — Data Link

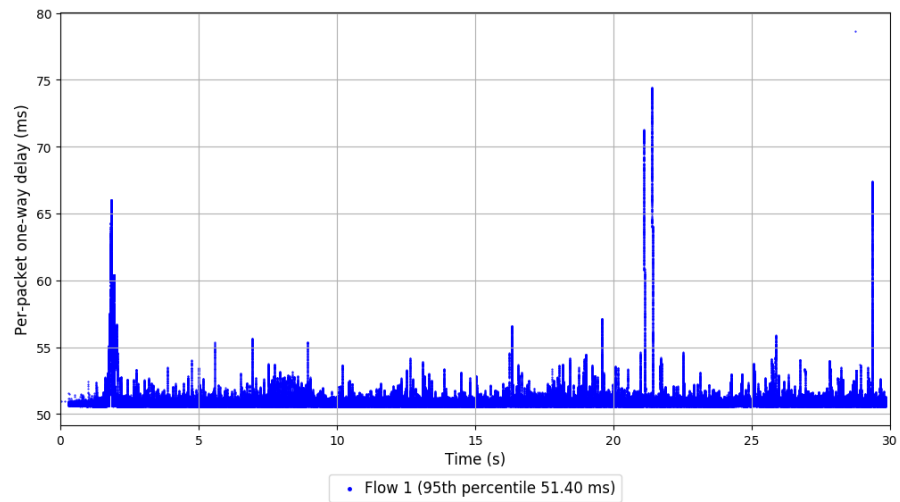
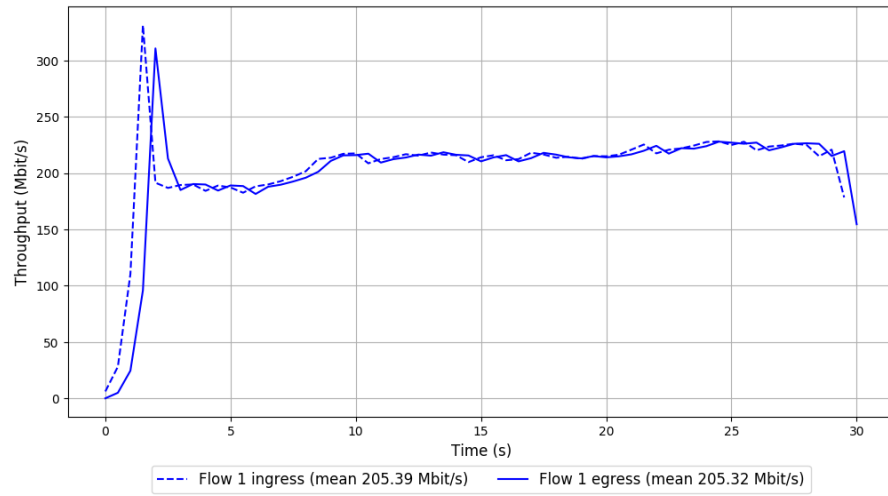


Run 9: Statistics of PCC-Expr

Start at: 2018-07-12 14:07:31
End at: 2018-07-12 14:08:01
Local clock offset: -0.215 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 15:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.38%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-12 14:29:20

End at: 2018-07-12 14:29:50

Local clock offset: -0.584 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-12 15:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.00 Mbit/s

95th percentile per-packet one-way delay: 50.685 ms

Loss rate: 0.38%

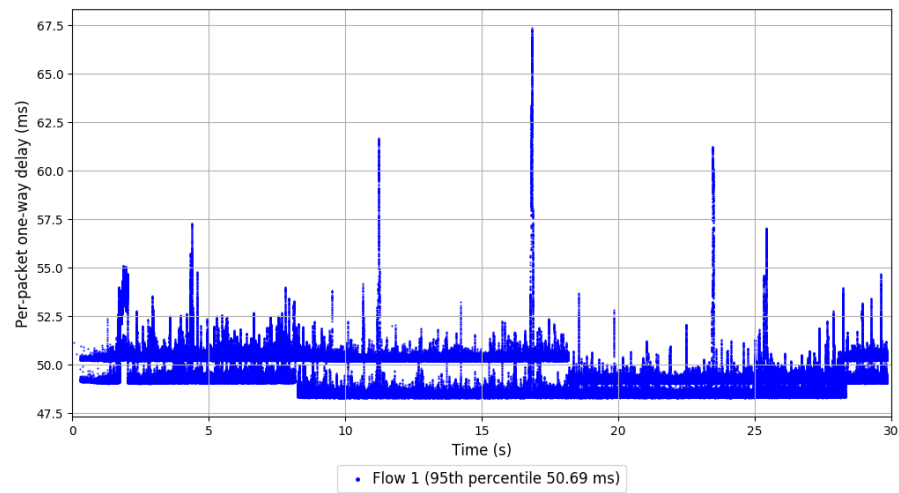
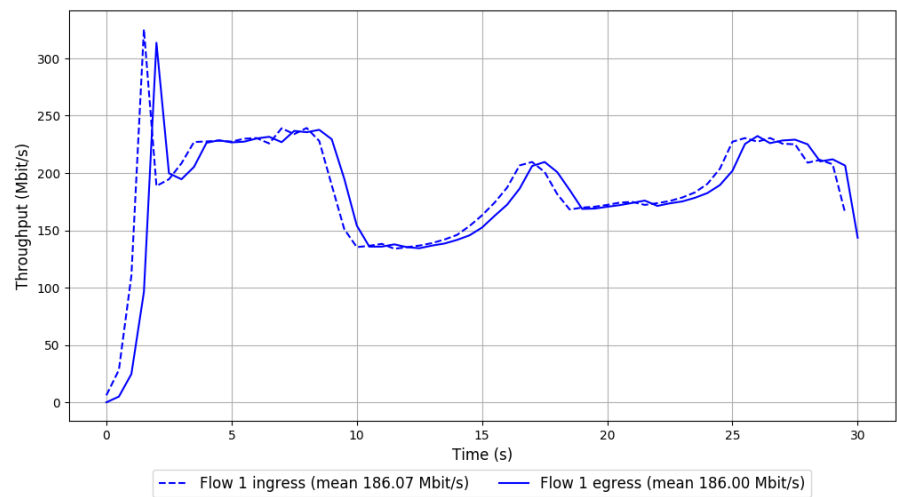
-- Flow 1:

Average throughput: 186.00 Mbit/s

95th percentile per-packet one-way delay: 50.685 ms

Loss rate: 0.38%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

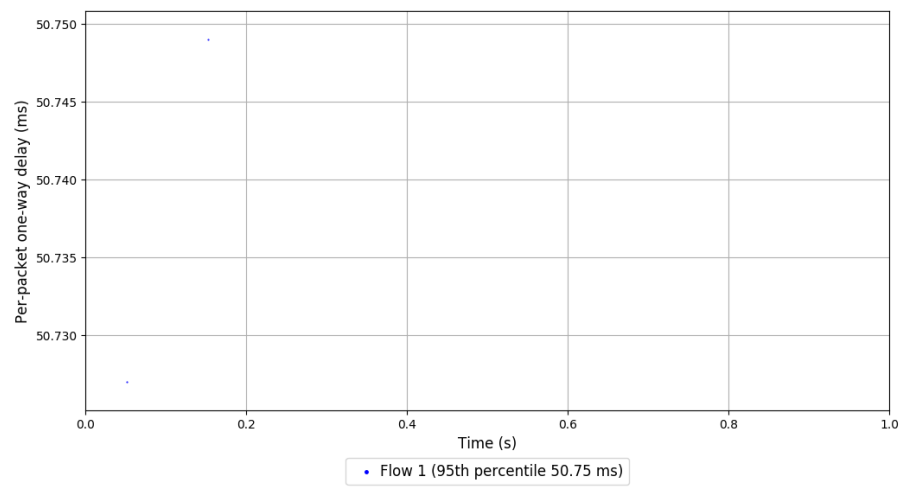
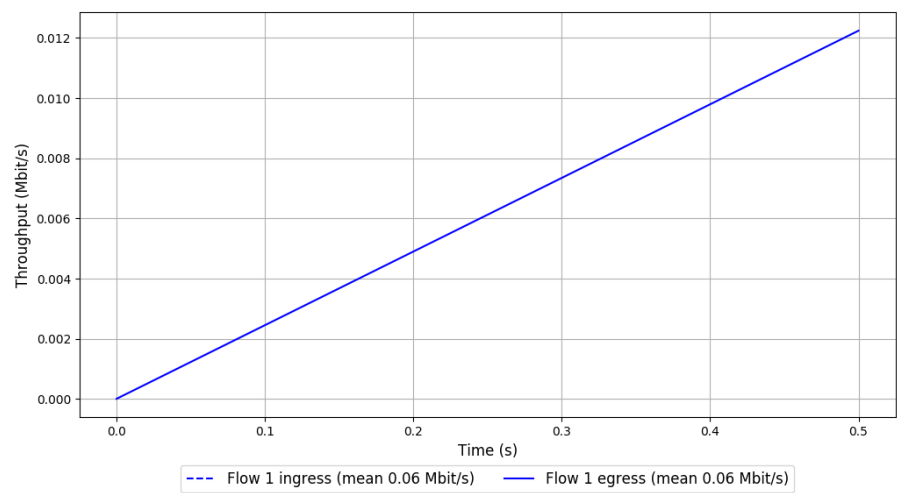
Start at: 2018-07-12 11:04:52

End at: 2018-07-12 11:05:22

Local clock offset: -0.215 ms

Remote clock offset: -0.058 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-12 11:25:59

End at: 2018-07-12 11:26:29

Local clock offset: 0.117 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-12 15:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 51.071 ms

Loss rate: 0.39%

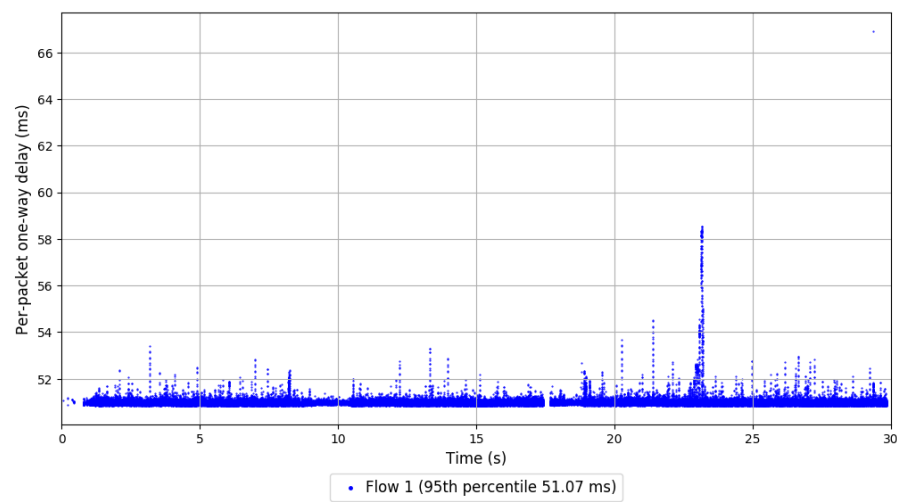
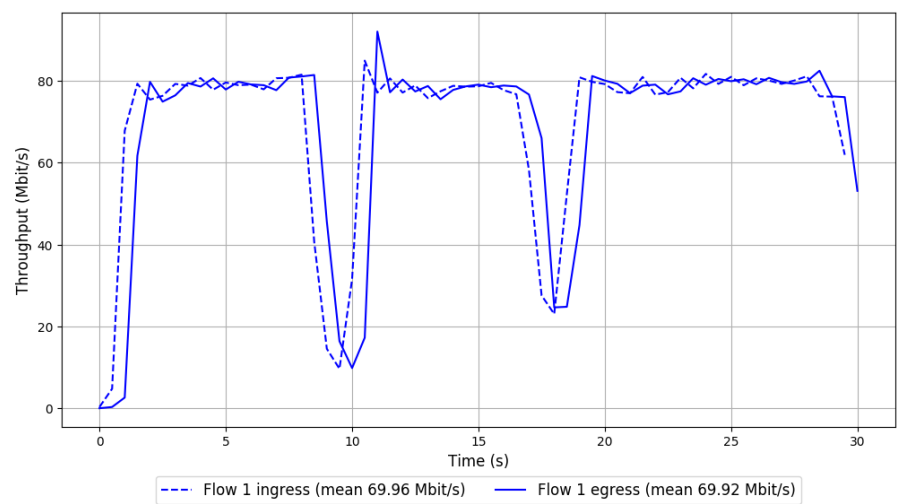
-- Flow 1:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 51.071 ms

Loss rate: 0.39%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-12 11:47:28

End at: 2018-07-12 11:47:58

Local clock offset: 0.143 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-12 15:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.61 Mbit/s

95th percentile per-packet one-way delay: 50.564 ms

Loss rate: 0.39%

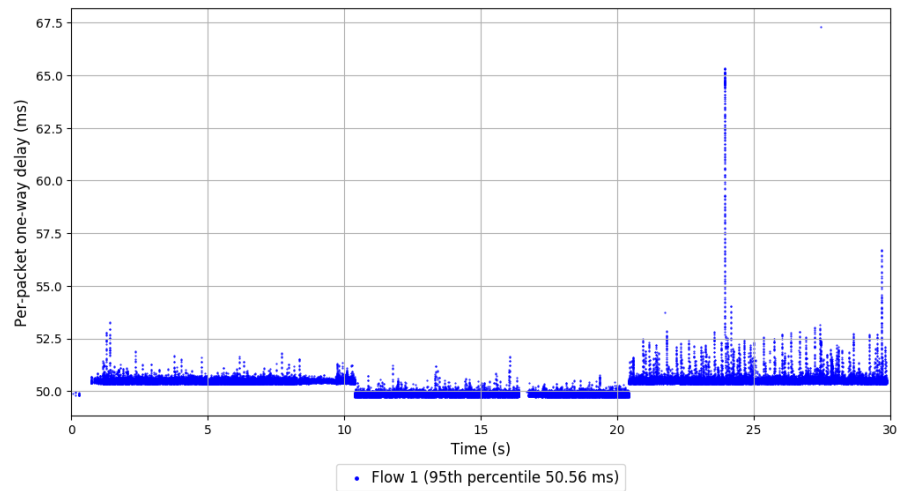
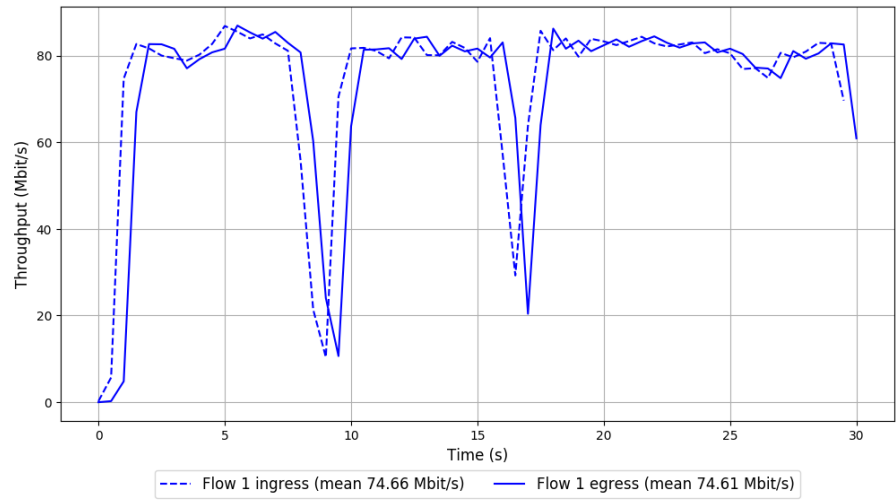
-- Flow 1:

Average throughput: 74.61 Mbit/s

95th percentile per-packet one-way delay: 50.564 ms

Loss rate: 0.39%

Run 3: Report of QUIC Cubic — Data Link

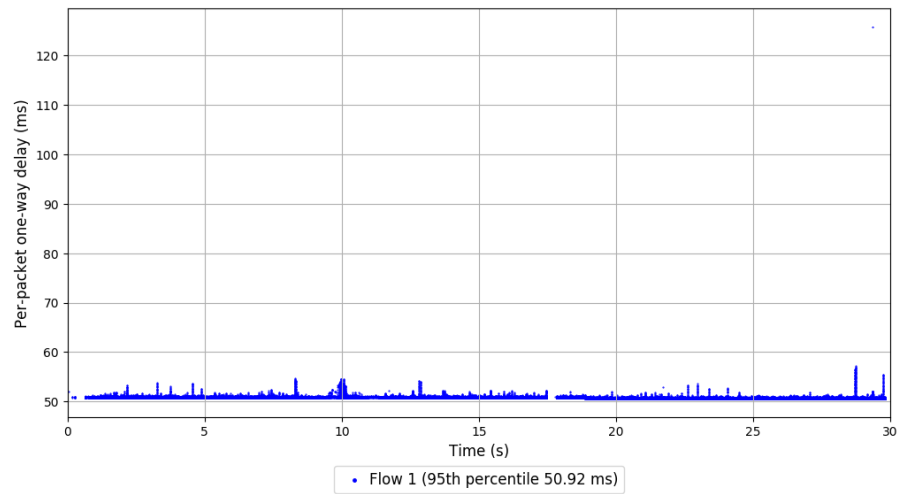
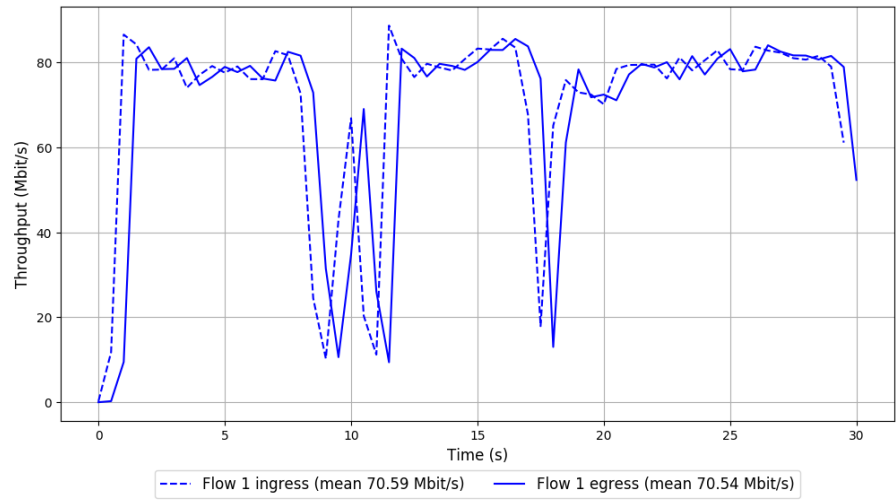


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-12 12:09:20
End at: 2018-07-12 12:09:50
Local clock offset: -0.209 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-12 15:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.41%

Run 4: Report of QUIC Cubic — Data Link

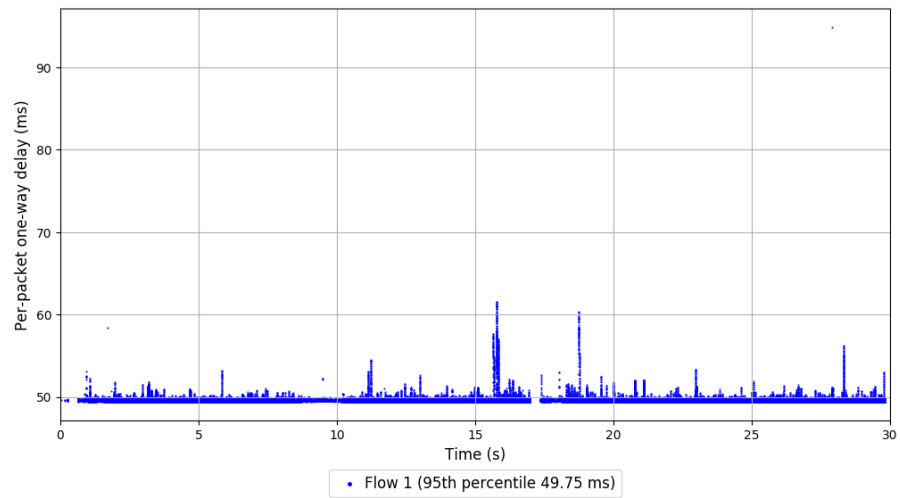
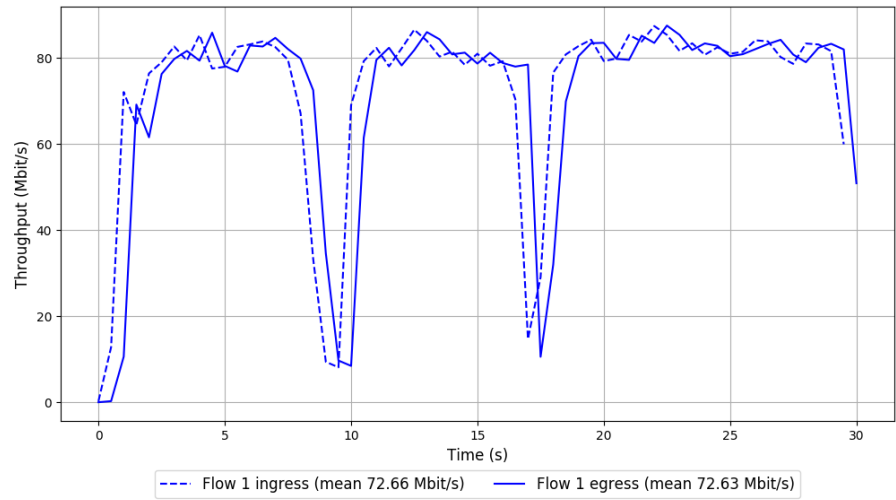


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-12 12:31:12
End at: 2018-07-12 12:31:42
Local clock offset: -0.182 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-12 15:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 49.754 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 49.754 ms
Loss rate: 0.39%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-12 12:52:43

End at: 2018-07-12 12:53:13

Local clock offset: -0.202 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-12 15:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 51.190 ms

Loss rate: 0.39%

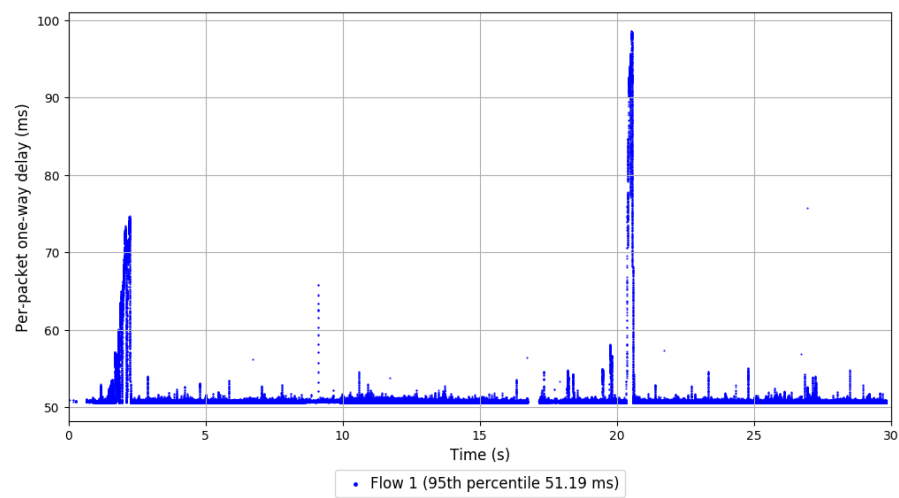
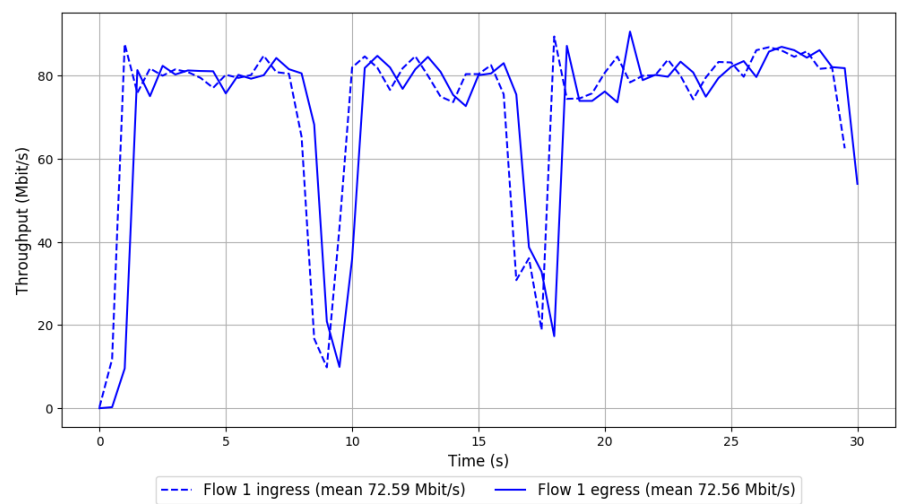
-- Flow 1:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 51.190 ms

Loss rate: 0.39%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-12 13:14:29

End at: 2018-07-12 13:14:59

Local clock offset: -0.23 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-12 15:59:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.45%

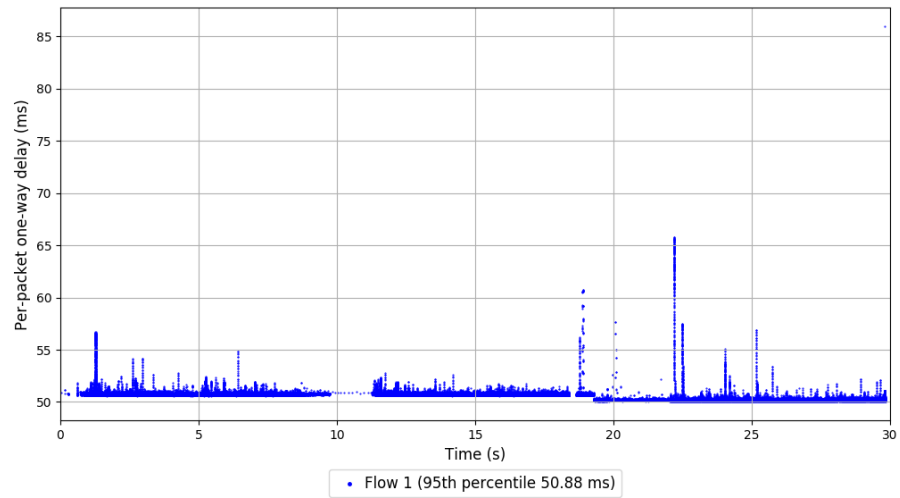
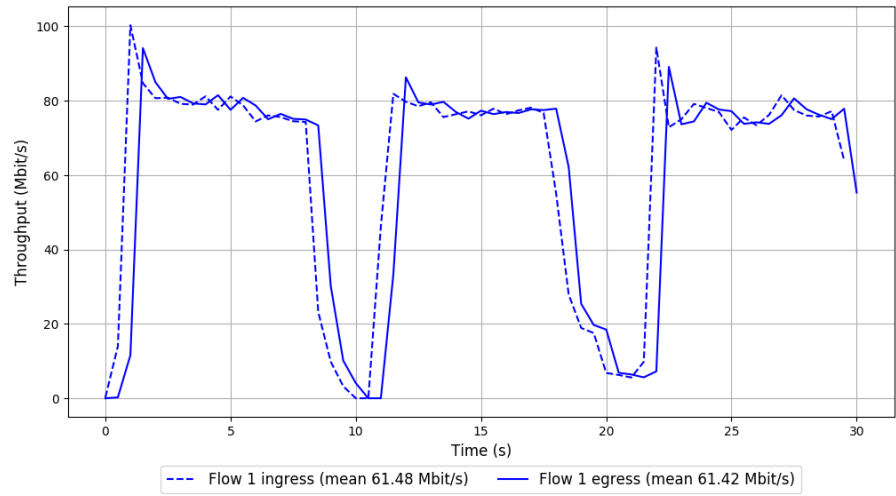
-- Flow 1:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.45%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-12 13:36:07

End at: 2018-07-12 13:36:37

Local clock offset: 0.123 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-12 15:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.44 Mbit/s

95th percentile per-packet one-way delay: 49.300 ms

Loss rate: 0.37%

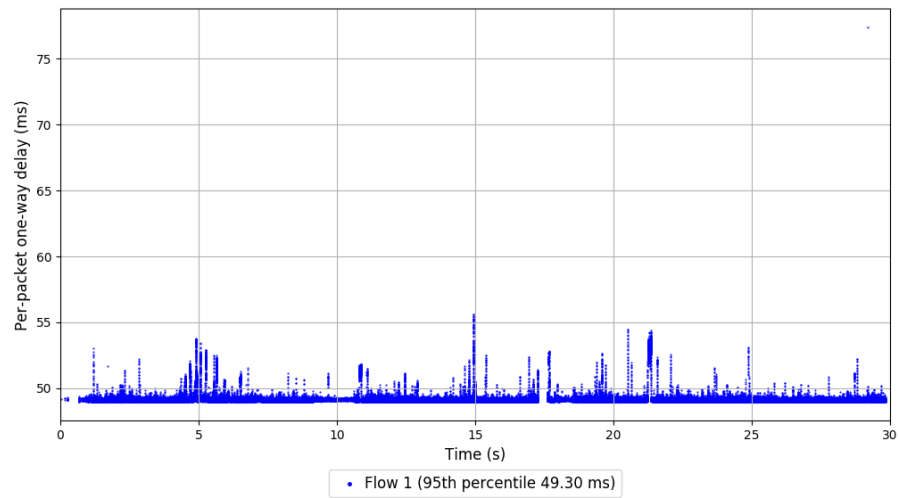
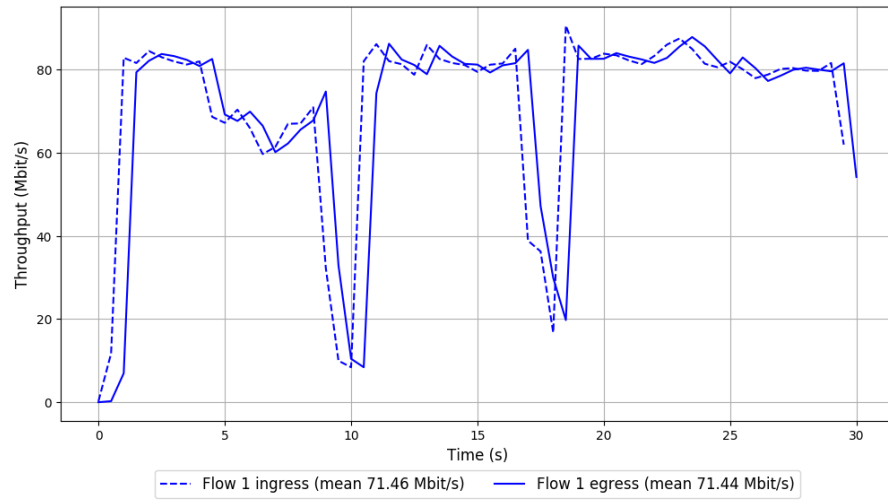
-- Flow 1:

Average throughput: 71.44 Mbit/s

95th percentile per-packet one-way delay: 49.300 ms

Loss rate: 0.37%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-12 13:57:38

End at: 2018-07-12 13:58:08

Local clock offset: 0.073 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-12 15:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 51.139 ms

Loss rate: 0.39%

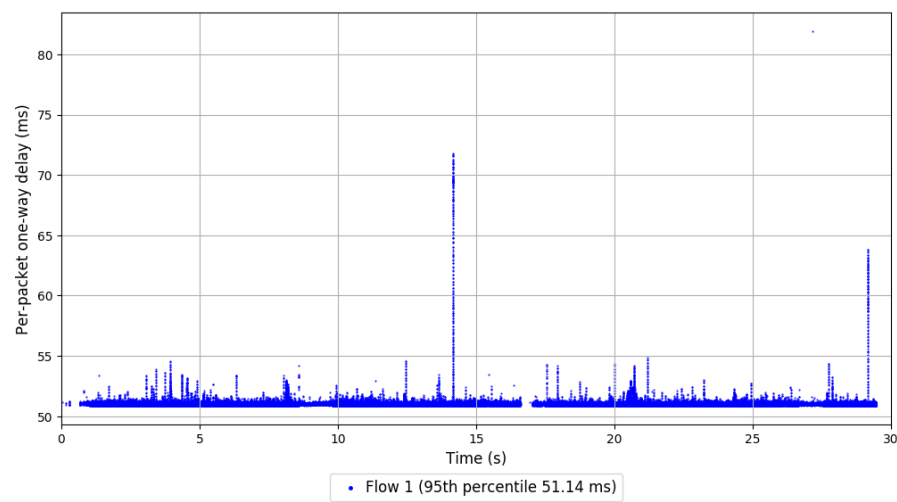
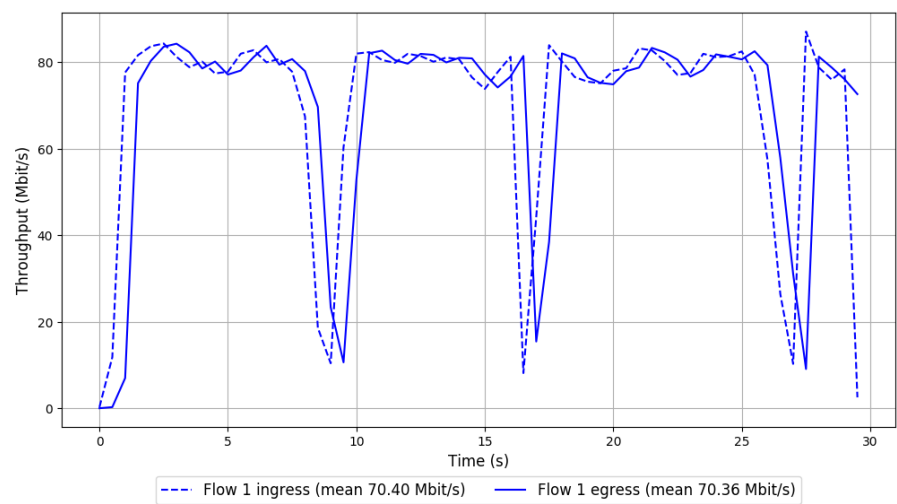
-- Flow 1:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 51.139 ms

Loss rate: 0.39%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-12 14:18:58

End at: 2018-07-12 14:19:28

Local clock offset: -0.603 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-12 15:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.60 Mbit/s

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

Loss rate: 0.37%

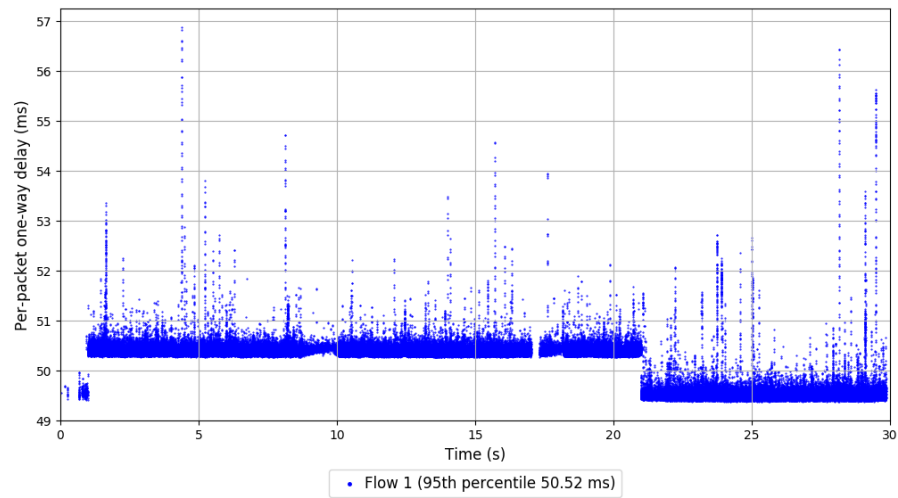
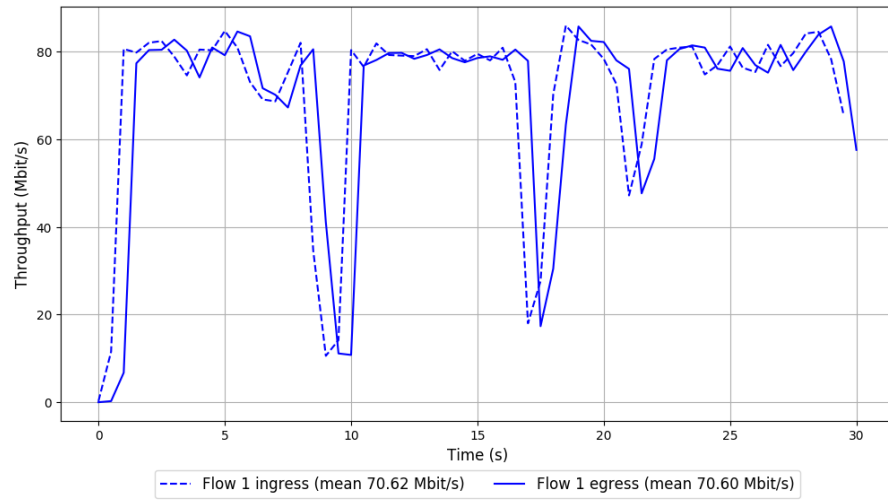
-- Flow 1:

Average throughput: 70.60 Mbit/s

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

Loss rate: 0.37%

Run 10: Report of QUIC Cubic — Data Link

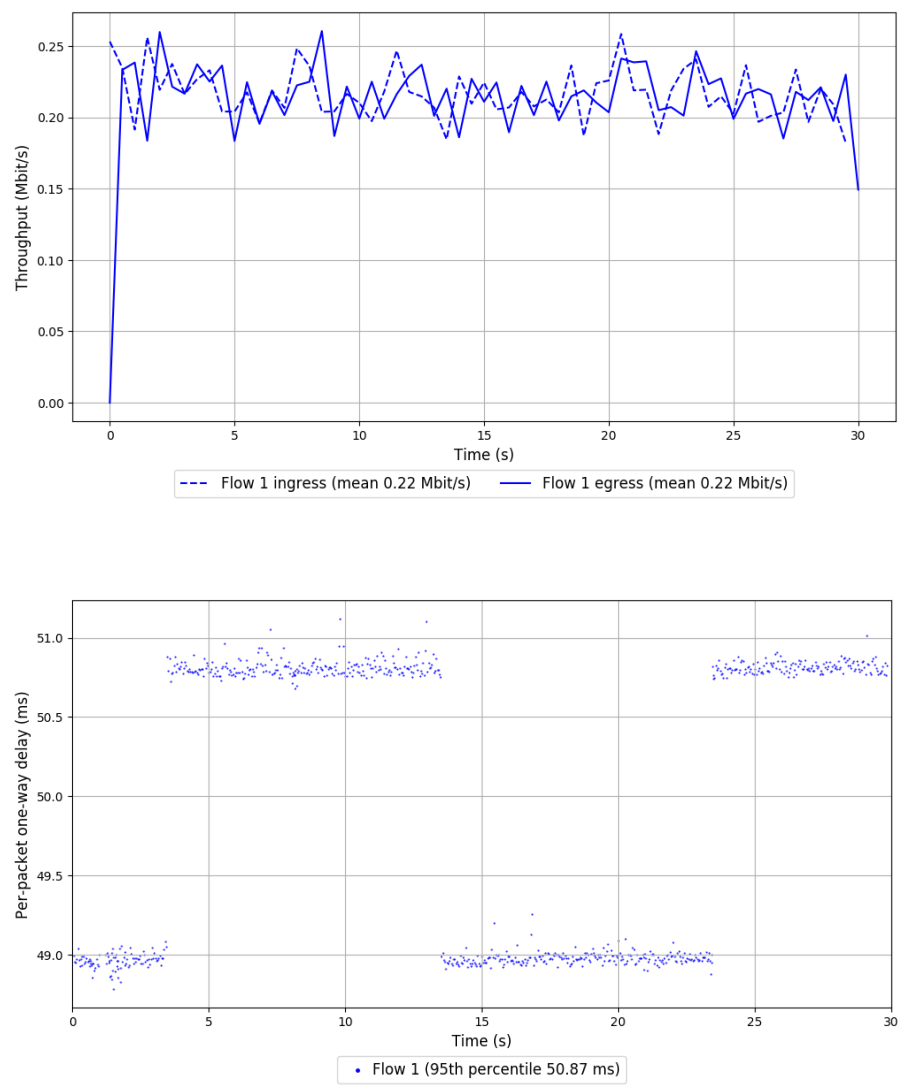


Run 1: Statistics of SCReAM

Start at: 2018-07-12 11:21:15
End at: 2018-07-12 11:21:45
Local clock offset: -0.214 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

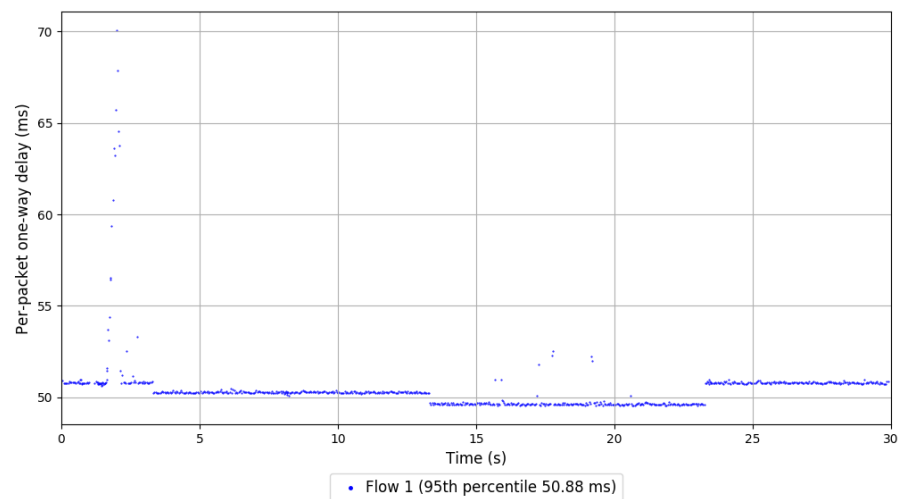
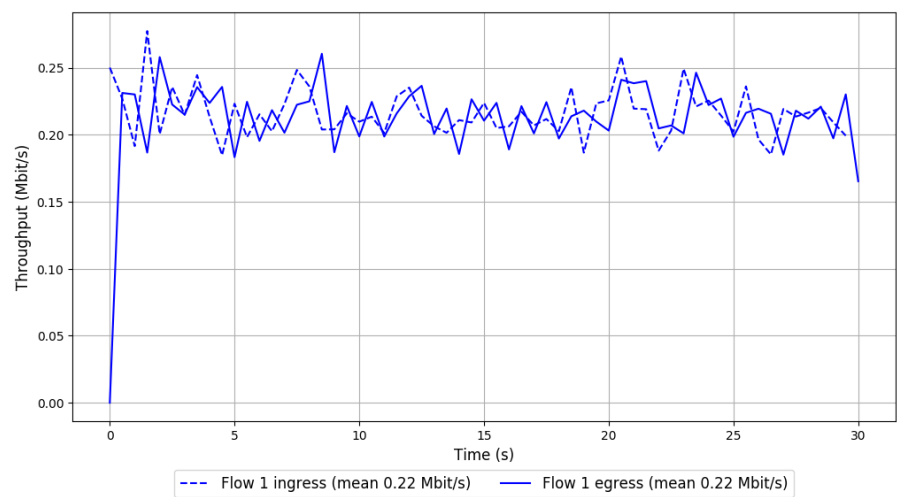


Run 2: Statistics of SCReAM

Start at: 2018-07-12 11:42:35
End at: 2018-07-12 11:43:05
Local clock offset: -0.252 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.881 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.881 ms
Loss rate: 0.39%

Run 2: Report of SReAM — Data Link

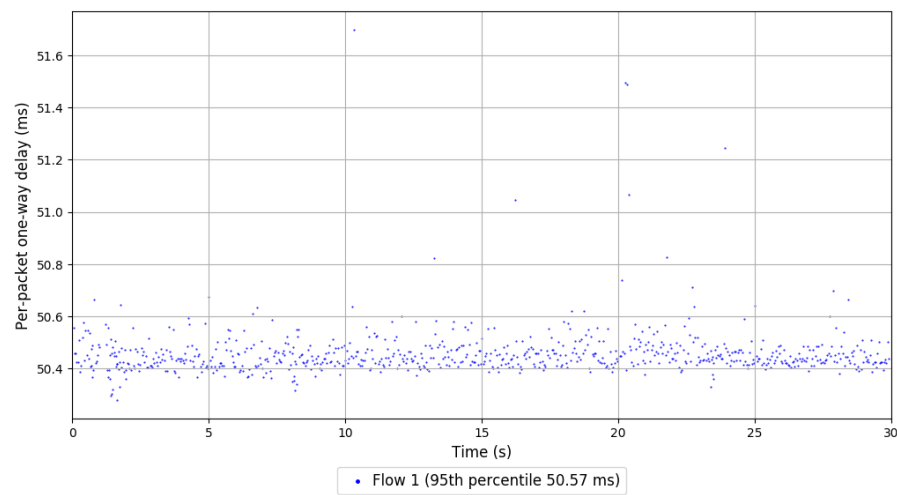
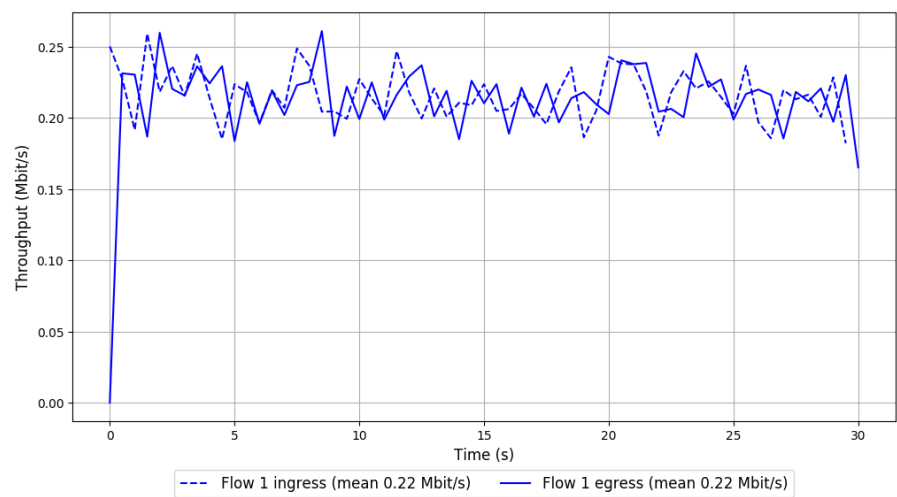


Run 3: Statistics of SCReAM

Start at: 2018-07-12 12:04:21
End at: 2018-07-12 12:04:51
Local clock offset: -0.548 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.26%

Run 3: Report of SCReAM — Data Link

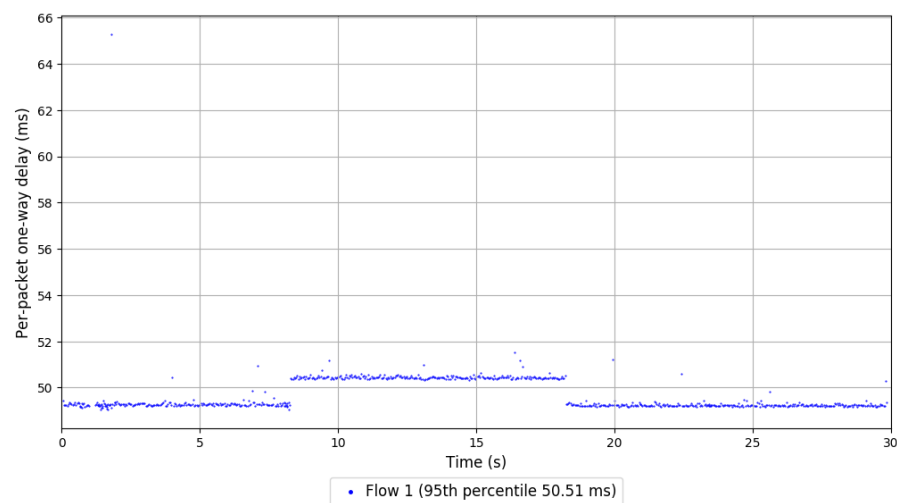
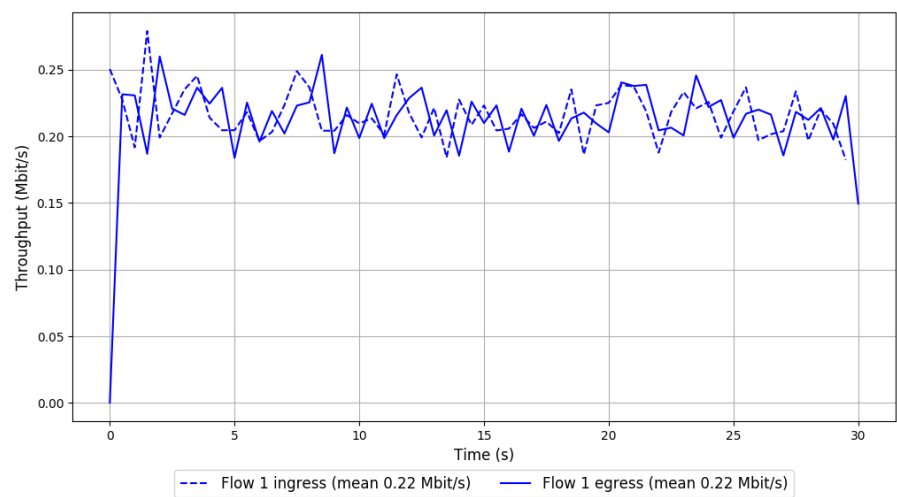


Run 4: Statistics of SCReAM

Start at: 2018-07-12 12:26:10
End at: 2018-07-12 12:26:40
Local clock offset: -0.593 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

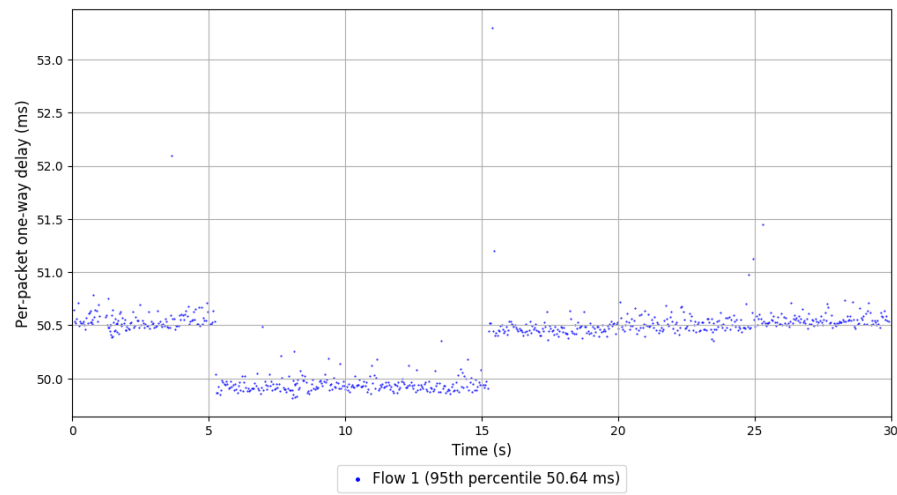
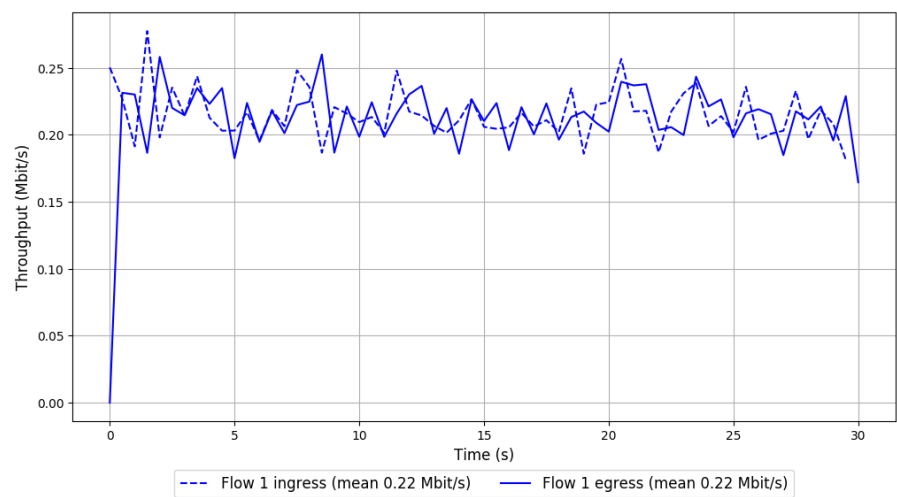


Run 5: Statistics of SCReAM

Start at: 2018-07-12 12:47:43
End at: 2018-07-12 12:48:13
Local clock offset: -0.566 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.636 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.636 ms
Loss rate: 0.26%

Run 5: Report of SReAM — Data Link

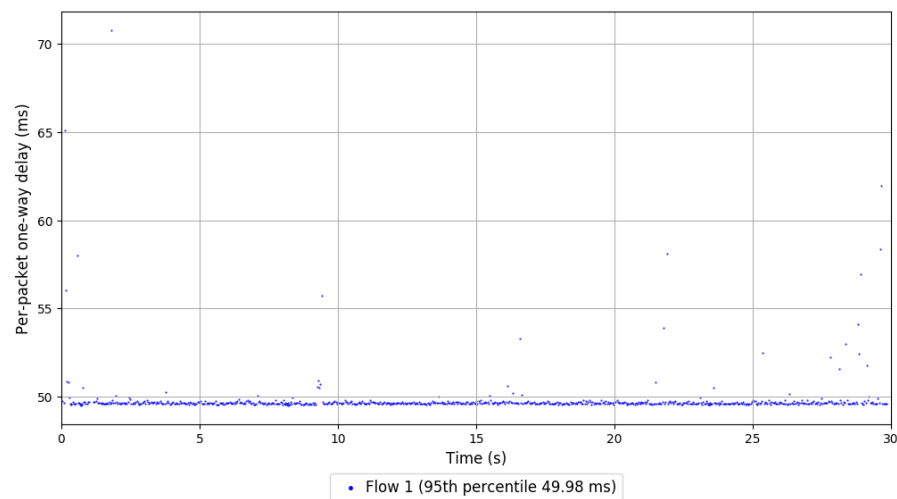
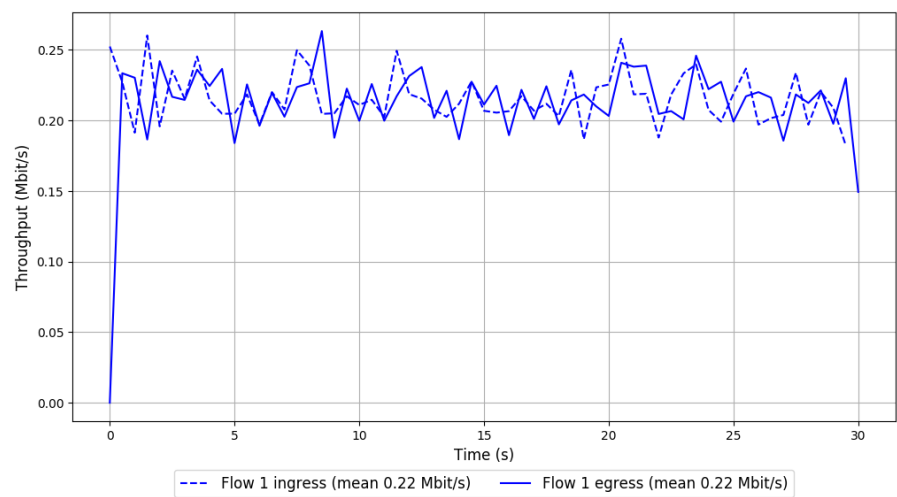


Run 6: Statistics of SCReAM

Start at: 2018-07-12 13:09:29
End at: 2018-07-12 13:09:59
Local clock offset: -0.24 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.975 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.975 ms
Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

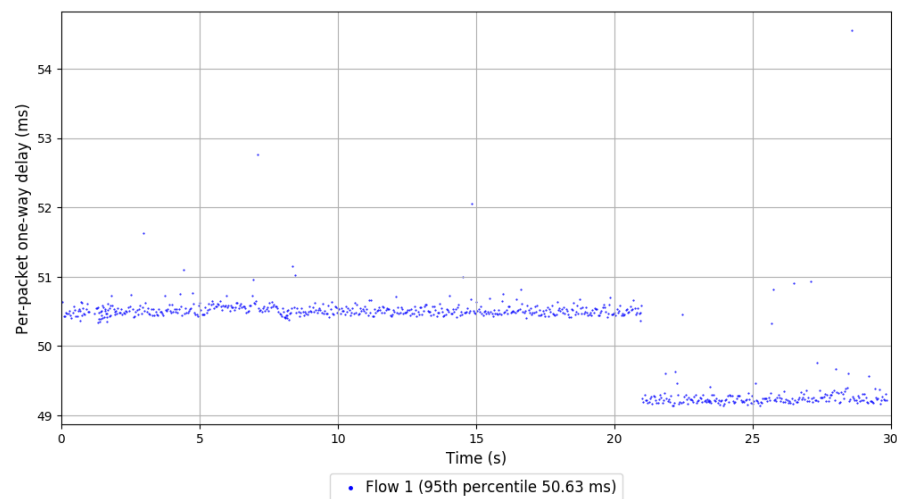
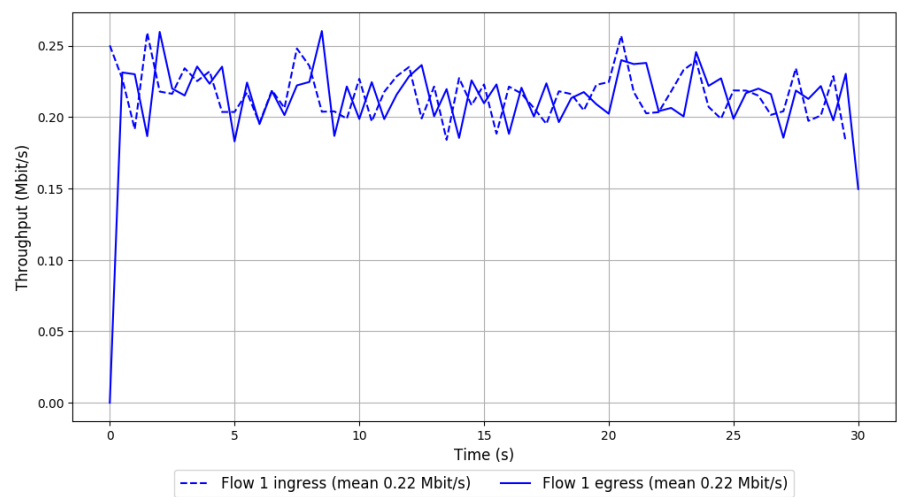


Run 7: Statistics of SCReAM

Start at: 2018-07-12 13:30:58
End at: 2018-07-12 13:31:28
Local clock offset: -0.638 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link

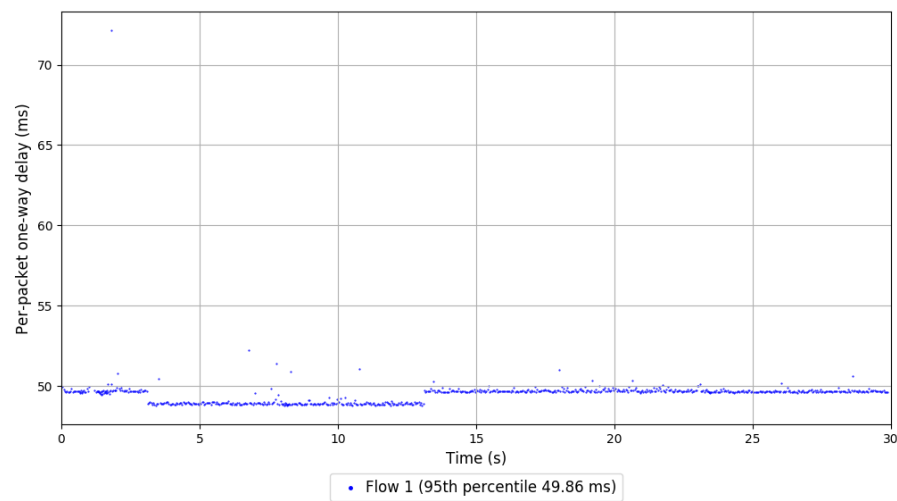
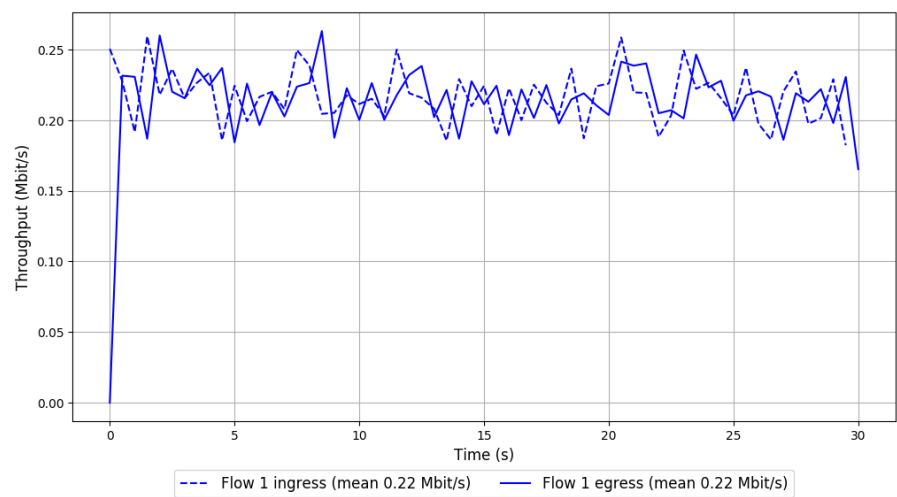


Run 8: Statistics of SCReAM

Start at: 2018-07-12 13:52:45
End at: 2018-07-12 13:53:16
Local clock offset: -0.259 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.862 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.862 ms
Loss rate: 0.26%

Run 8: Report of SReAM — Data Link

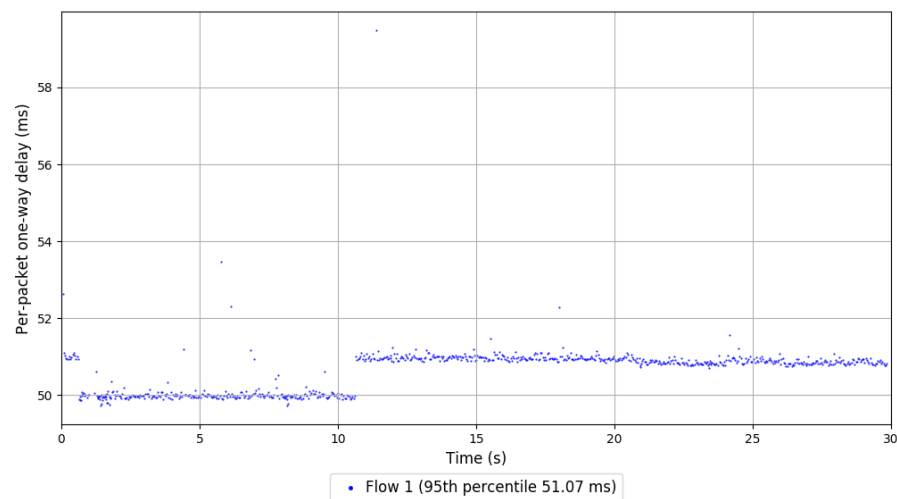
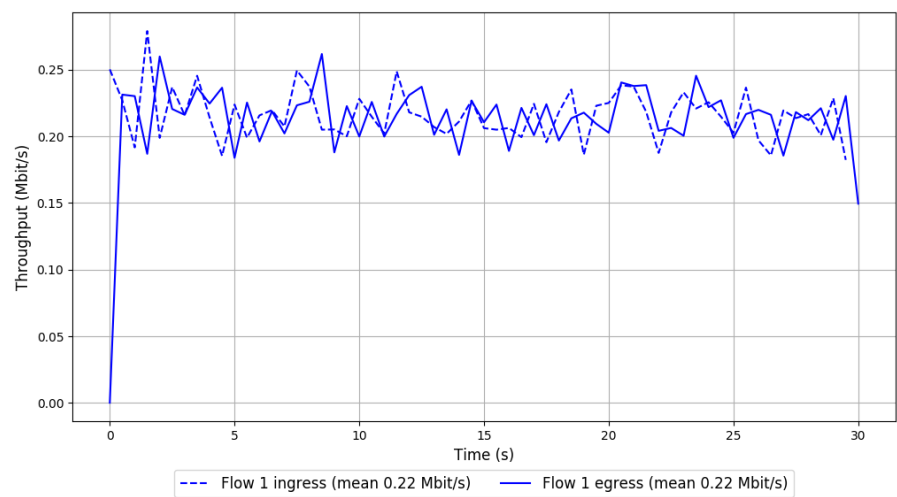


Run 9: Statistics of SCReAM

Start at: 2018-07-12 14:13:58
End at: 2018-07-12 14:14:28
Local clock offset: -0.247 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.068 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.068 ms
Loss rate: 0.38%

Run 9: Report of SReAM — Data Link

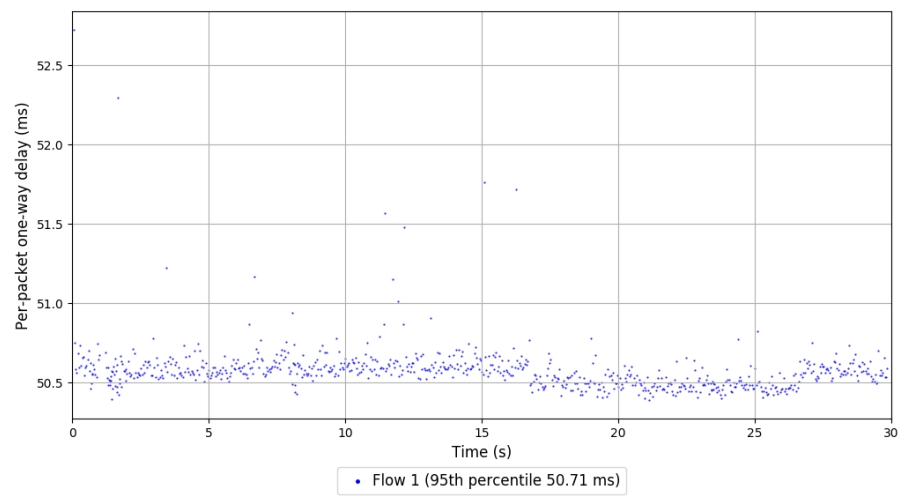
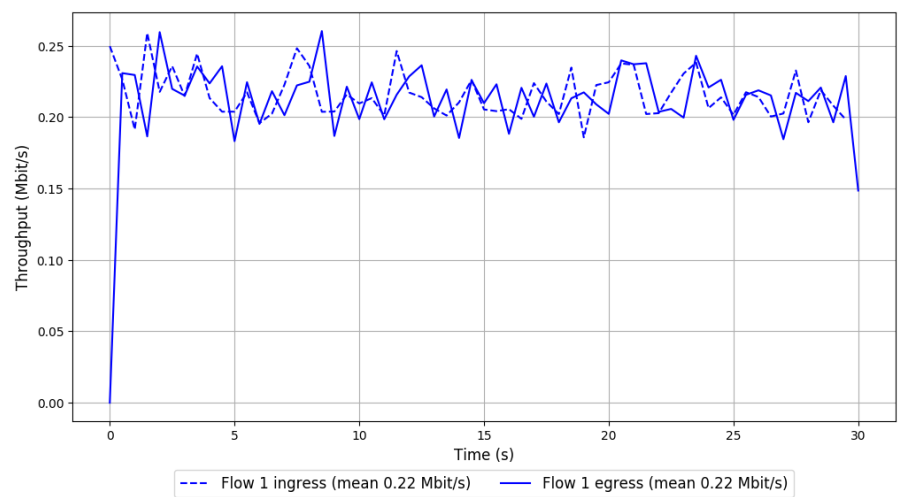


Run 10: Statistics of SCReAM

Start at: 2018-07-12 14:36:02
End at: 2018-07-12 14:36:32
Local clock offset: -0.599 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.712 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.712 ms
Loss rate: 0.51%

Run 10: Report of SReAM — Data Link

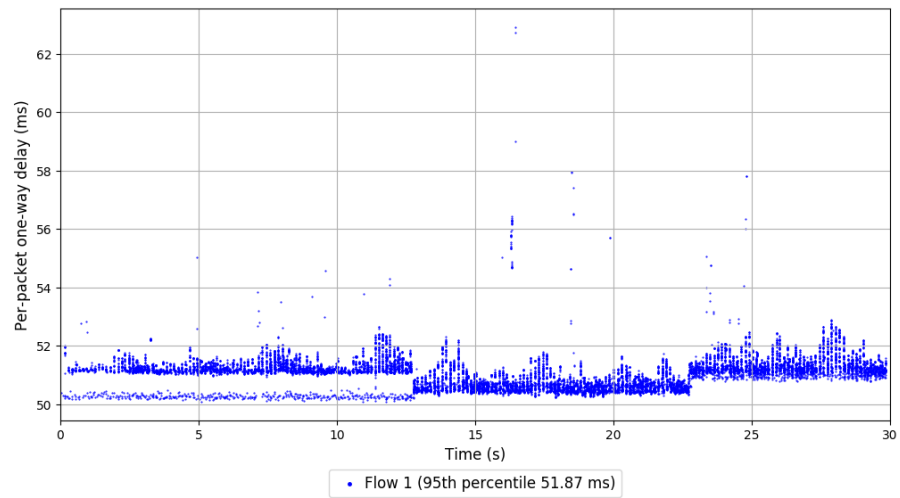
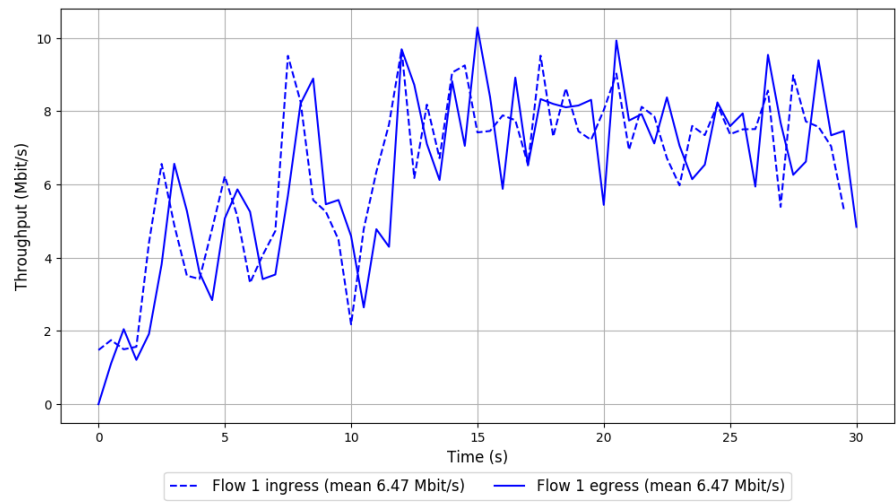


Run 1: Statistics of Sprout

Start at: 2018-07-12 11:23:36
End at: 2018-07-12 11:24:06
Local clock offset: 0.163 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 51.868 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 51.868 ms
Loss rate: 0.25%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-12 11:44:51

End at: 2018-07-12 11:45:21

Local clock offset: -0.213 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-12 15:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 50.940 ms

Loss rate: 0.55%

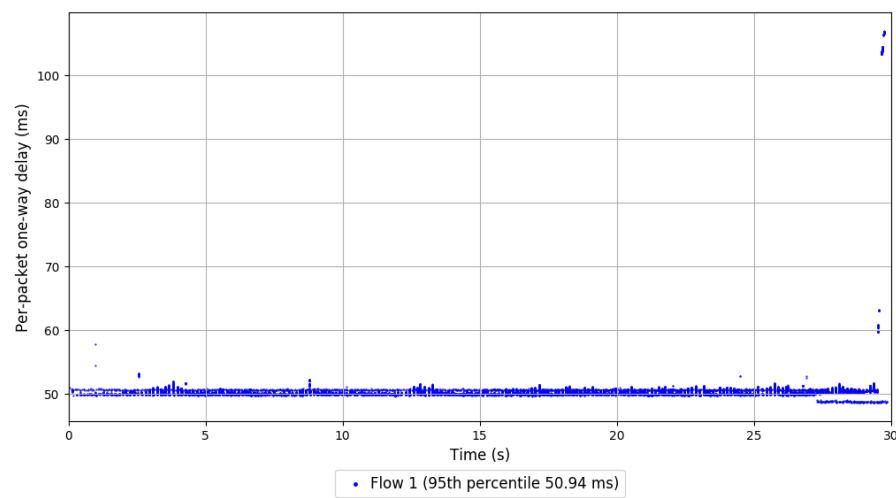
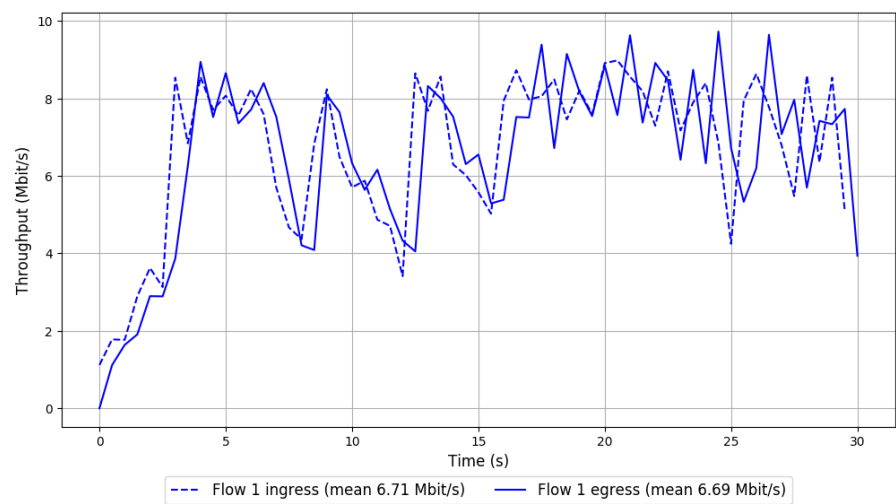
-- Flow 1:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 50.940 ms

Loss rate: 0.55%

Run 2: Report of Sprout — Data Link

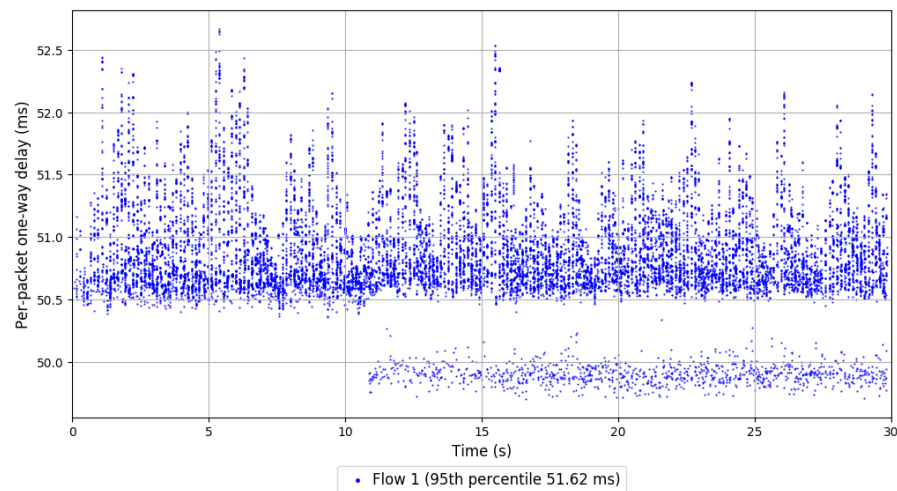
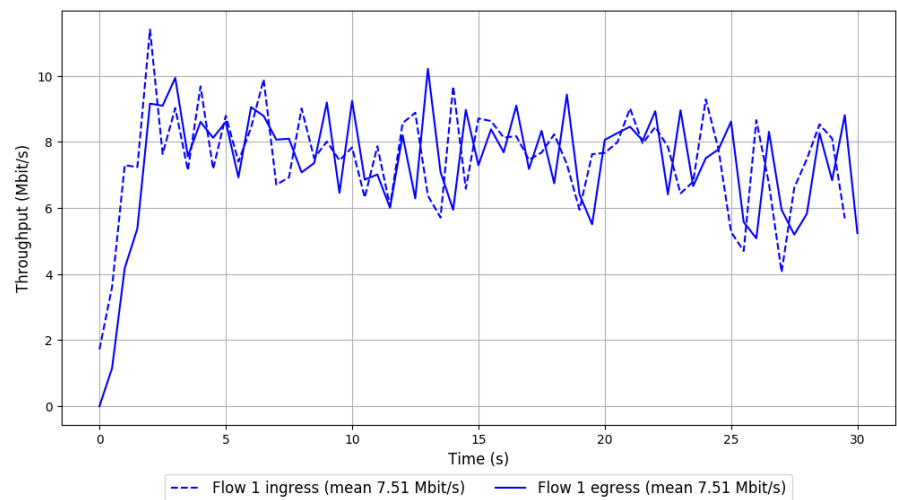


Run 3: Statistics of Sprout

Start at: 2018-07-12 12:06:38
End at: 2018-07-12 12:07:08
Local clock offset: -0.54 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 51.624 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 51.624 ms
Loss rate: 0.32%

Run 3: Report of Sprout — Data Link

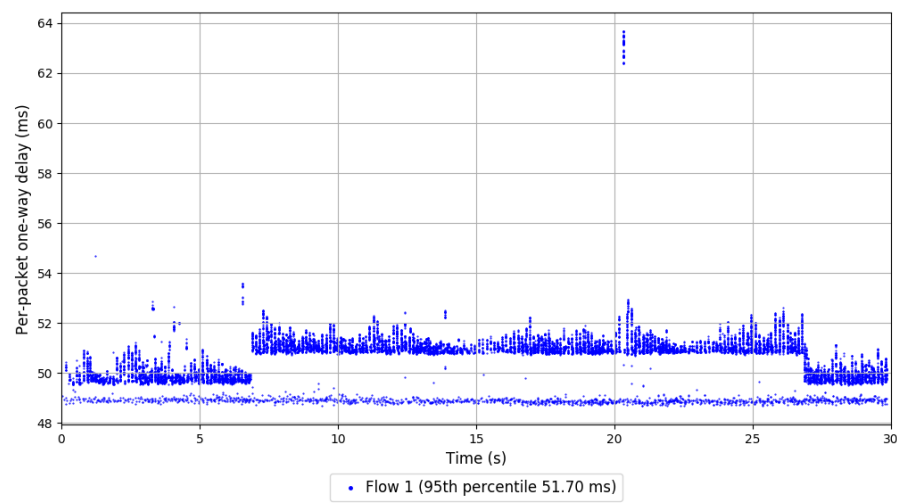
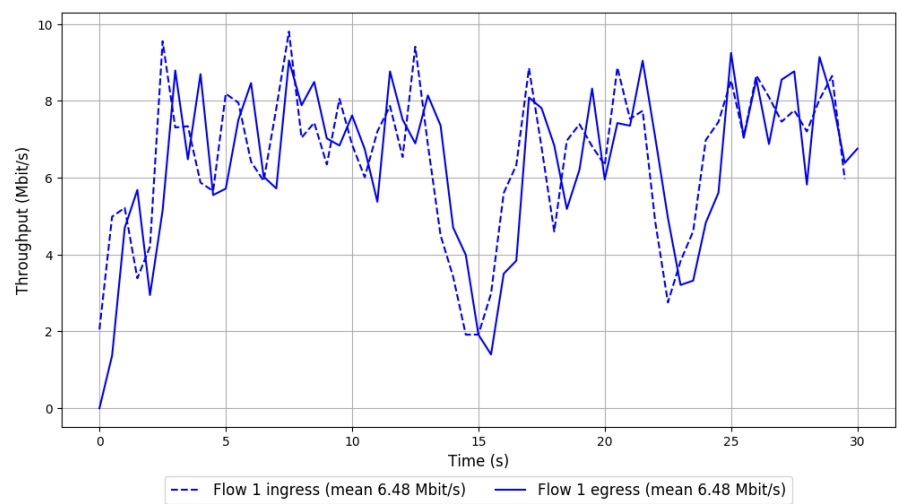


Run 4: Statistics of Sprout

Start at: 2018-07-12 12:28:32
End at: 2018-07-12 12:29:02
Local clock offset: -0.201 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 51.697 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 51.697 ms
Loss rate: 0.38%

Run 4: Report of Sprout — Data Link

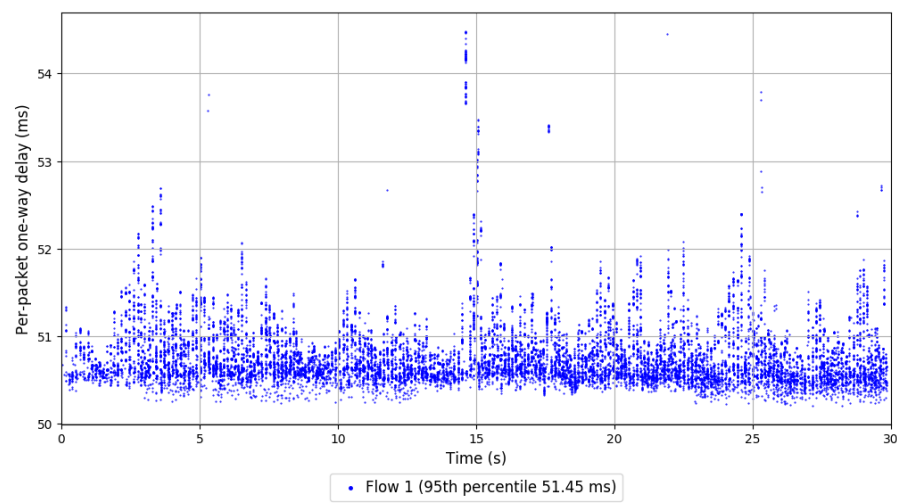
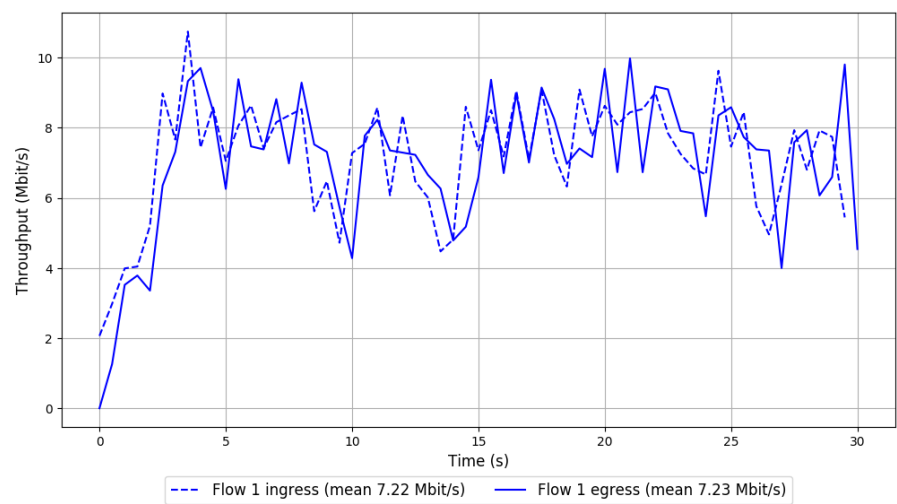


Run 5: Statistics of Sprout

Start at: 2018-07-12 12:50:06
End at: 2018-07-12 12:50:36
Local clock offset: -0.581 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 51.451 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 51.451 ms
Loss rate: 0.21%

Run 5: Report of Sprout — Data Link

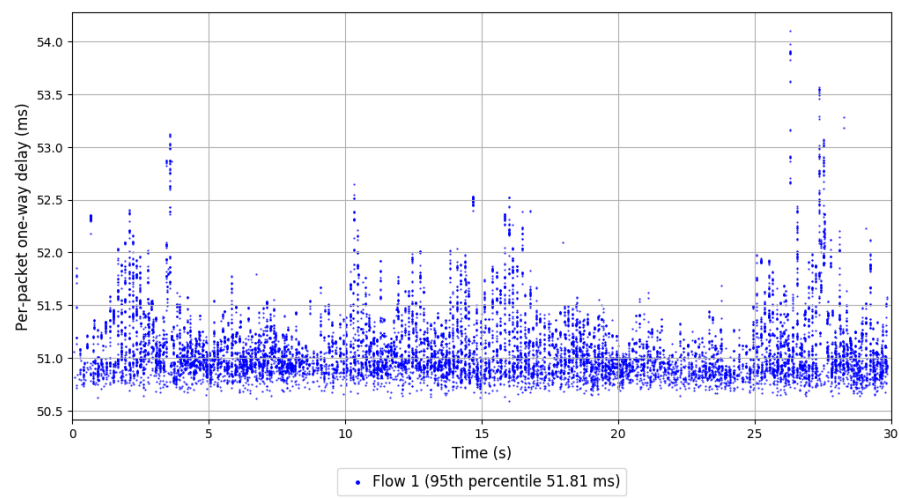
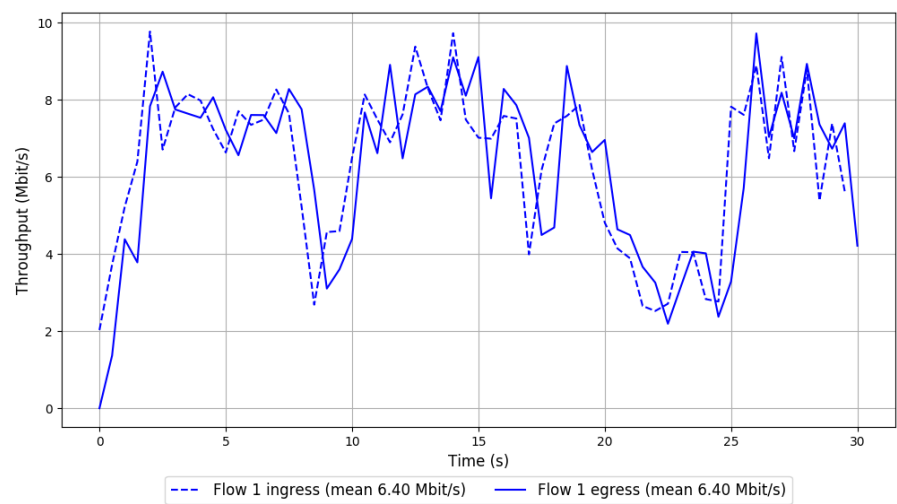


Run 6: Statistics of Sprout

Start at: 2018-07-12 13:11:52
End at: 2018-07-12 13:12:22
Local clock offset: -0.257 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.810 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.810 ms
Loss rate: 0.39%

Run 6: Report of Sprout — Data Link

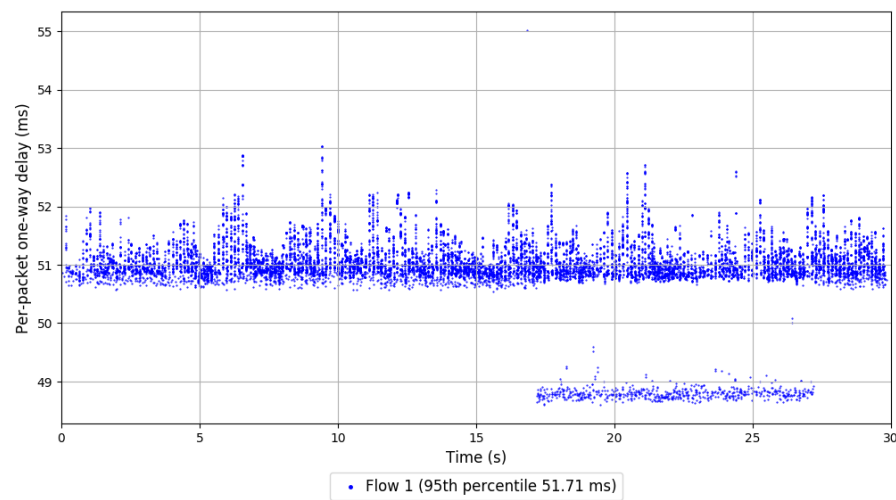
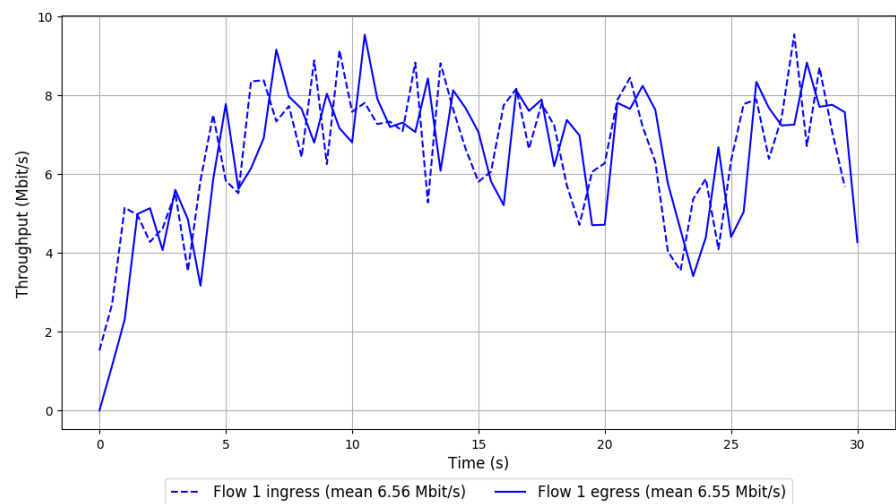


Run 7: Statistics of Sprout

Start at: 2018-07-12 13:33:21
End at: 2018-07-12 13:33:51
Local clock offset: -0.267 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 51.712 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 51.712 ms
Loss rate: 0.48%

Run 7: Report of Sprout — Data Link

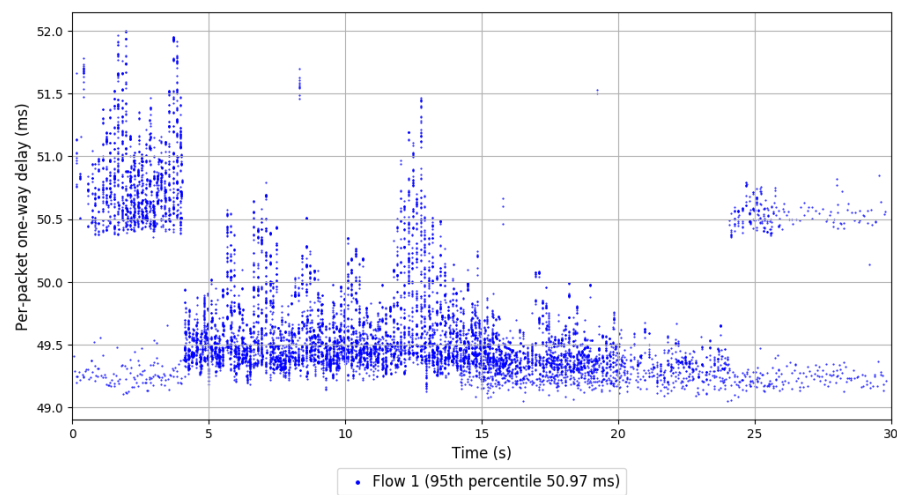
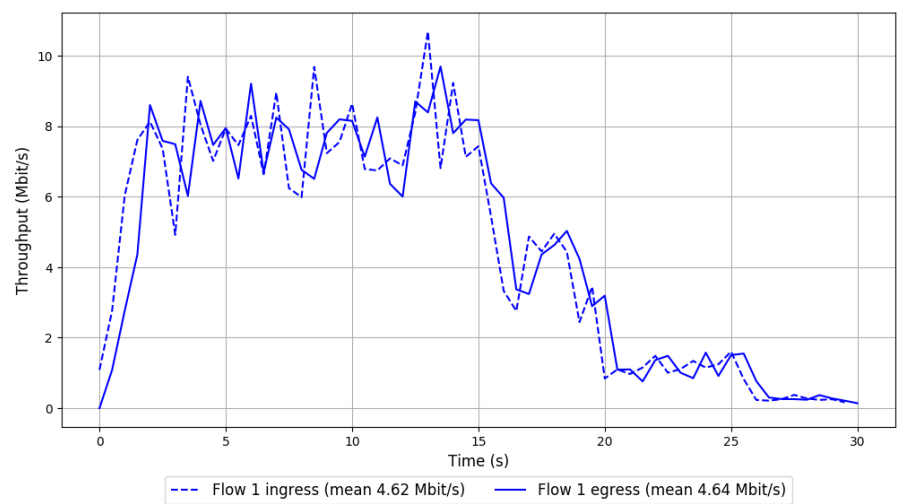


Run 8: Statistics of Sprout

Start at: 2018-07-12 13:55:05
End at: 2018-07-12 13:55:35
Local clock offset: -0.603 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 50.971 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 50.971 ms
Loss rate: 0.02%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-12 14:16:17

End at: 2018-07-12 14:16:47

Local clock offset: -0.235 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-12 15:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 51.657 ms

Loss rate: 0.43%

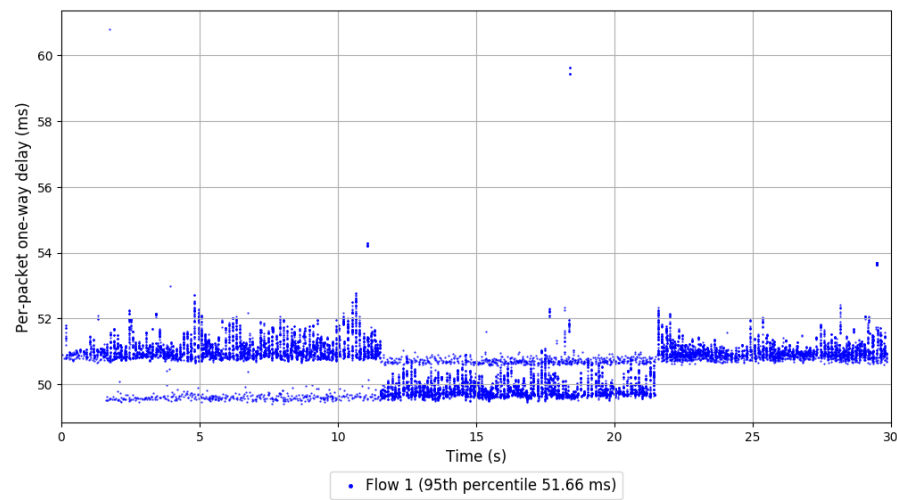
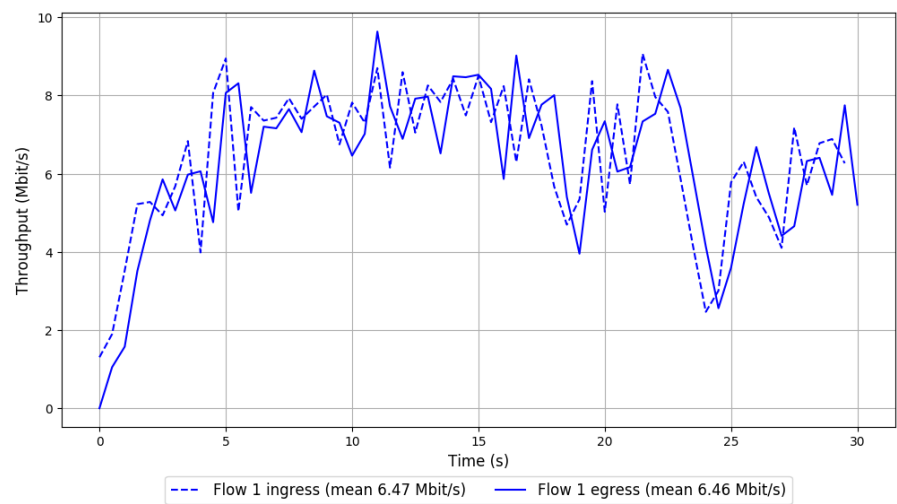
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 51.657 ms

Loss rate: 0.43%

Run 9: Report of Sprout — Data Link

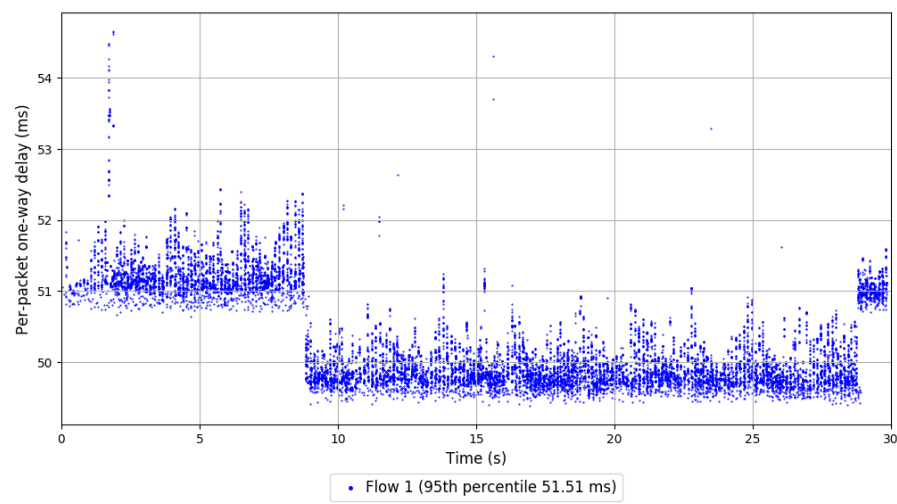
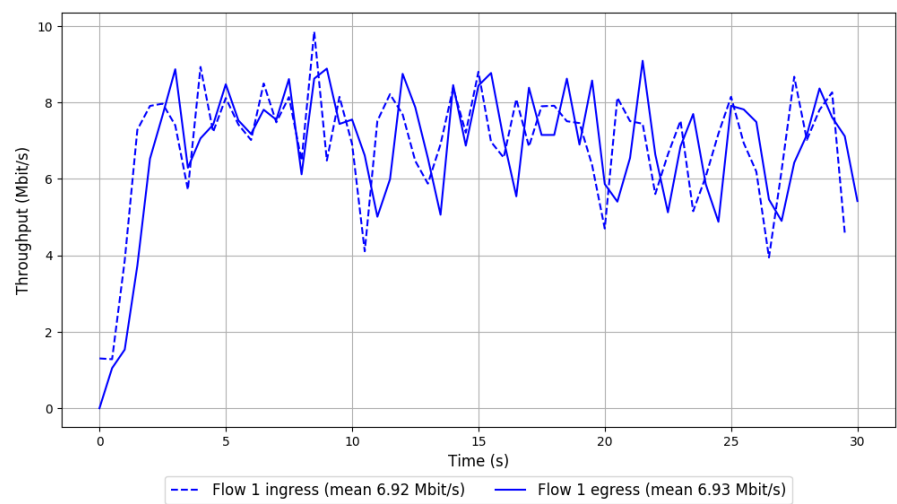


Run 10: Statistics of Sprout

Start at: 2018-07-12 14:38:30
End at: 2018-07-12 14:39:00
Local clock offset: -0.197 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-12 15:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 51.509 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 51.509 ms
Loss rate: 0.17%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-12 11:16:07

End at: 2018-07-12 11:16:37

Local clock offset: 0.158 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-12 16:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.75 Mbit/s

95th percentile per-packet one-way delay: 51.200 ms

Loss rate: 0.32%

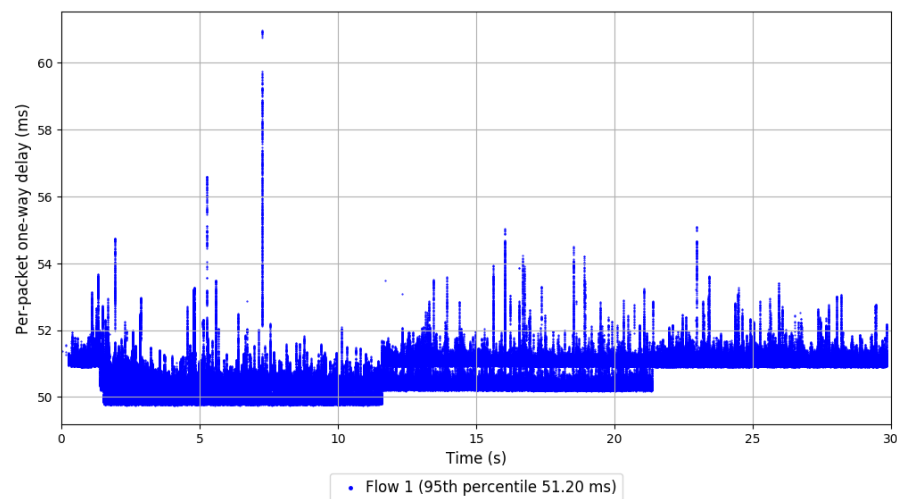
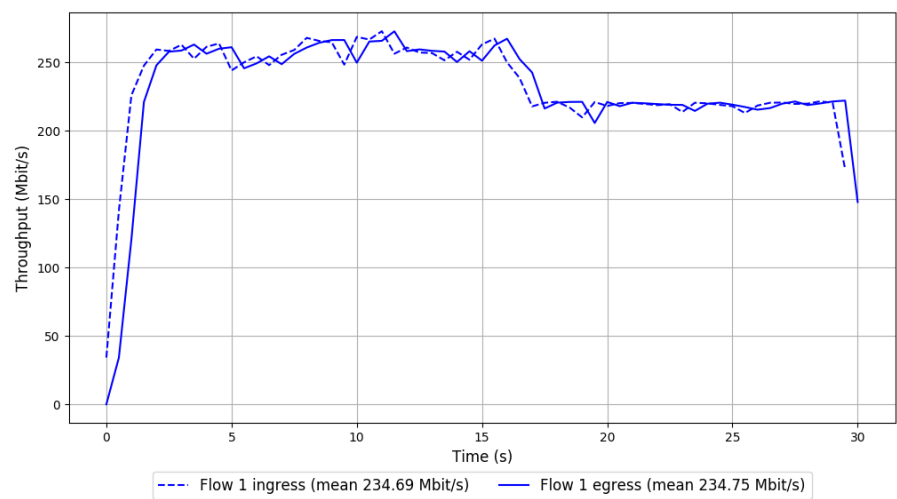
-- Flow 1:

Average throughput: 234.75 Mbit/s

95th percentile per-packet one-way delay: 51.200 ms

Loss rate: 0.32%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-12 11:37:21

End at: 2018-07-12 11:37:51

Local clock offset: 0.155 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-12 16:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.28 Mbit/s

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

Loss rate: 0.35%

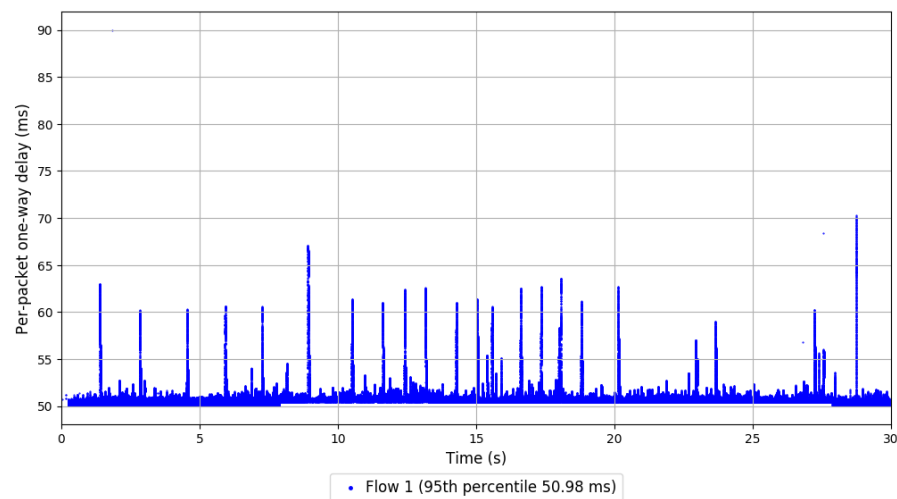
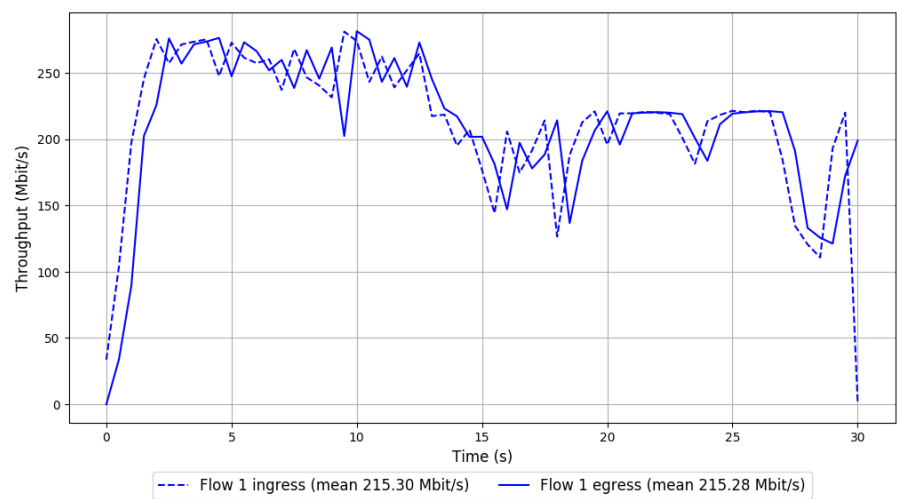
-- Flow 1:

Average throughput: 215.28 Mbit/s

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

Loss rate: 0.35%

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

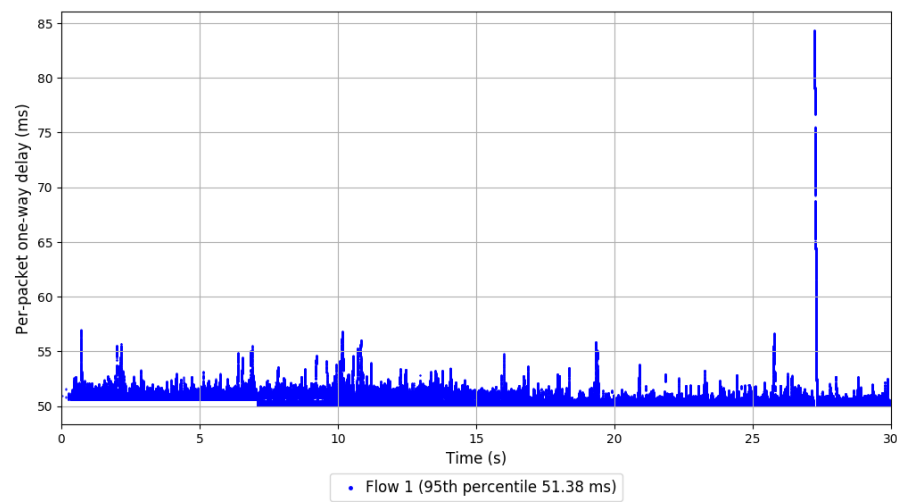
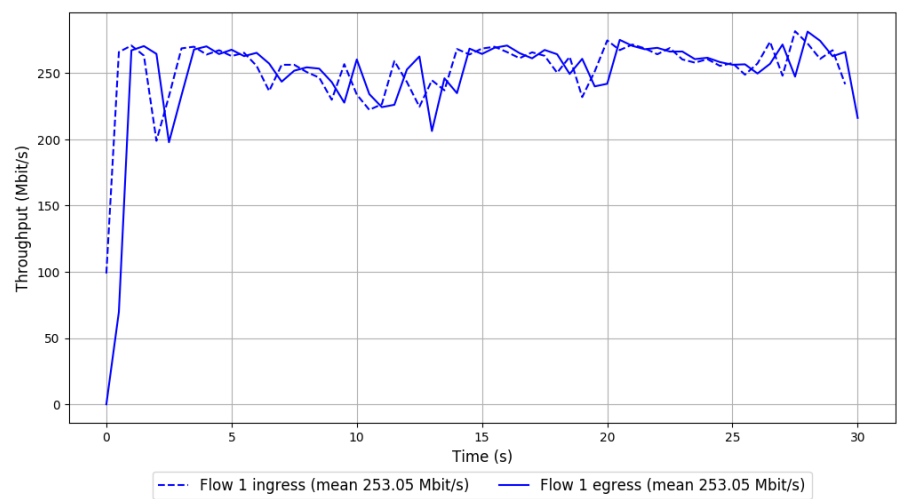


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-12 11:59:02
End at: 2018-07-12 11:59:32
Local clock offset: -0.209 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-12 16:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.05 Mbit/s
95th percentile per-packet one-way delay: 51.380 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 253.05 Mbit/s
95th percentile per-packet one-way delay: 51.380 ms
Loss rate: 0.34%

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

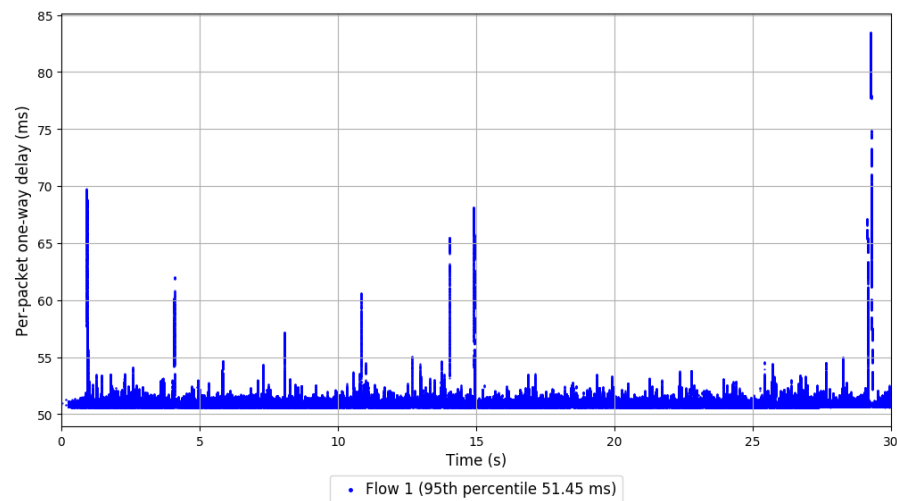
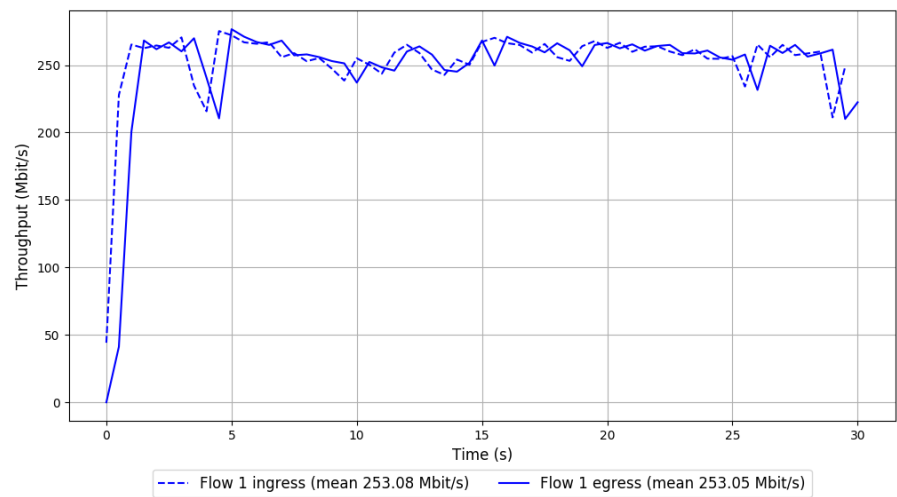


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-12 12:20:51
End at: 2018-07-12 12:21:21
Local clock offset: -0.214 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-12 16:03:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.05 Mbit/s
95th percentile per-packet one-way delay: 51.453 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 253.05 Mbit/s
95th percentile per-packet one-way delay: 51.453 ms
Loss rate: 0.35%

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

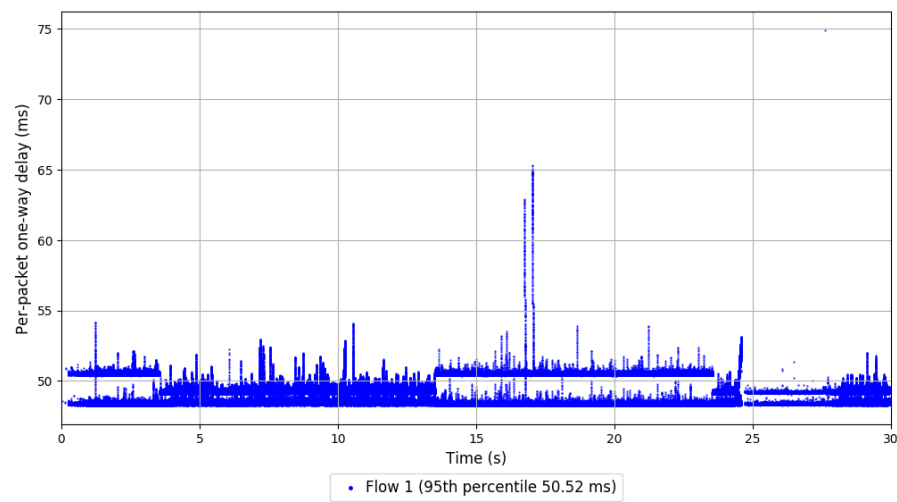
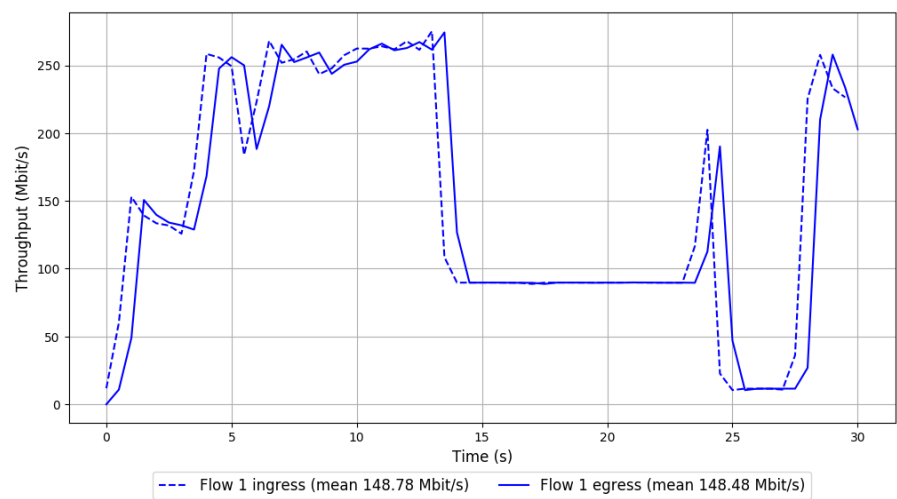


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-12 12:42:35
End at: 2018-07-12 12:43:05
Local clock offset: -0.536 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-12 16:03:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.48 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 148.48 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.54%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-12 13:04:15

End at: 2018-07-12 13:04:45

Local clock offset: 0.142 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-12 16:04:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.68 Mbit/s

95th percentile per-packet one-way delay: 51.863 ms

Loss rate: 0.39%

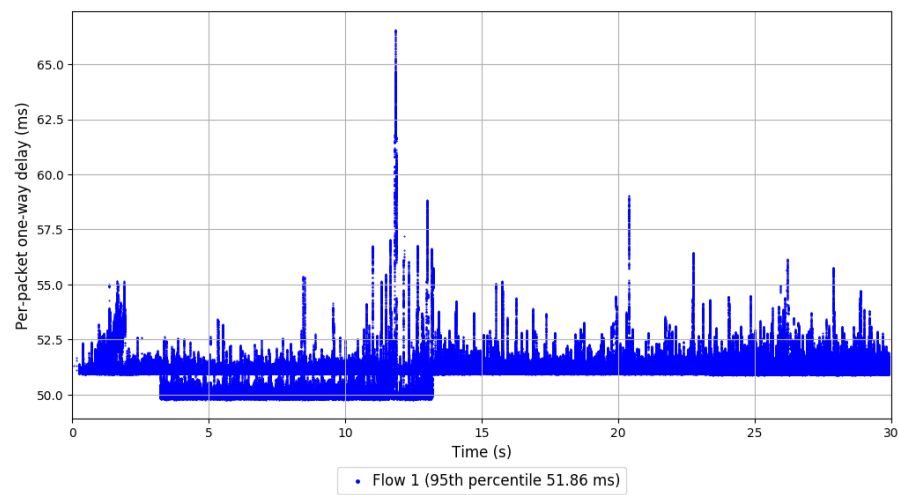
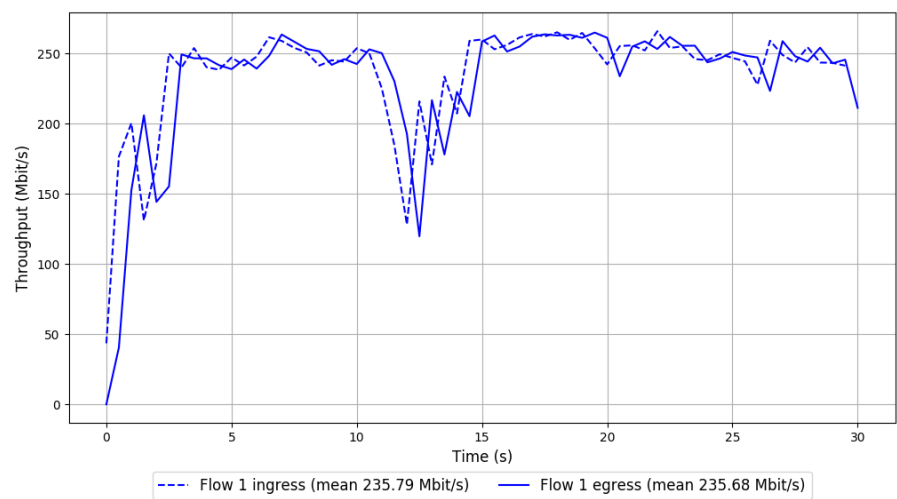
-- Flow 1:

Average throughput: 235.68 Mbit/s

95th percentile per-packet one-way delay: 51.863 ms

Loss rate: 0.39%

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

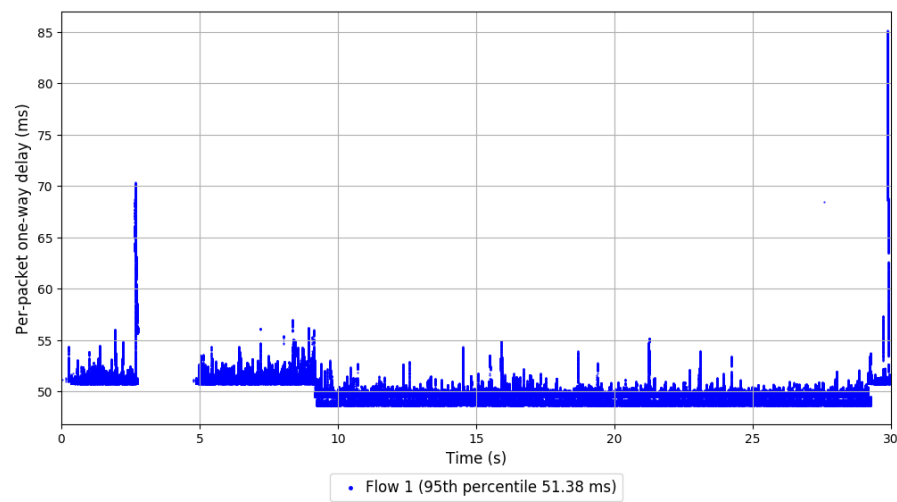
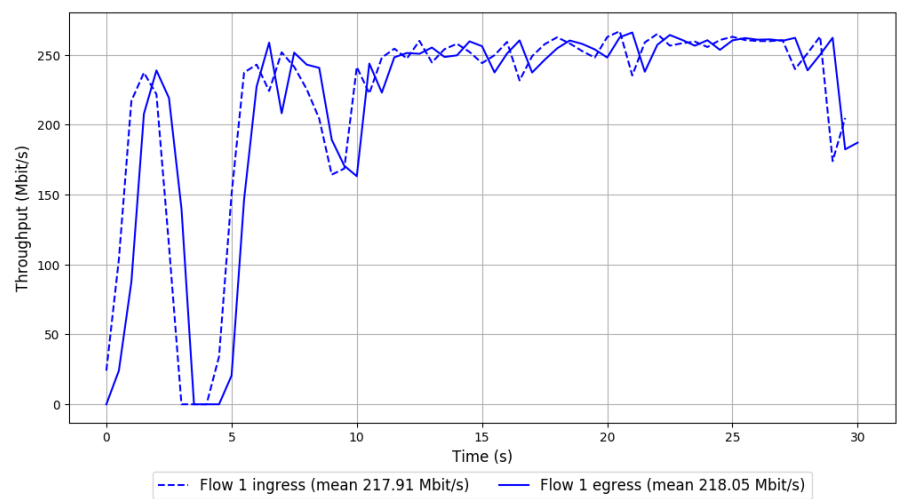


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-12 13:25:49
End at: 2018-07-12 13:26:19
Local clock offset: -0.193 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 16:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 51.382 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 51.382 ms
Loss rate: 0.28%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-12 13:47:35

End at: 2018-07-12 13:48:05

Local clock offset: -0.635 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.79 Mbit/s

95th percentile per-packet one-way delay: 51.294 ms

Loss rate: 0.35%

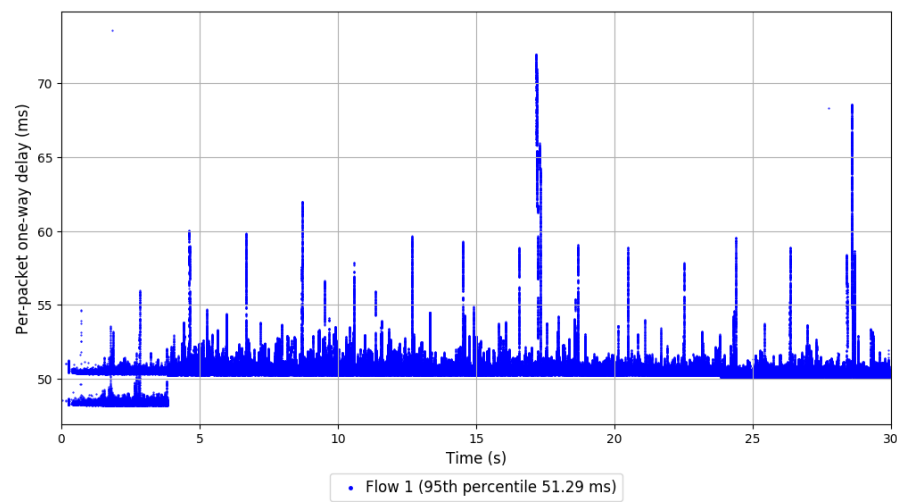
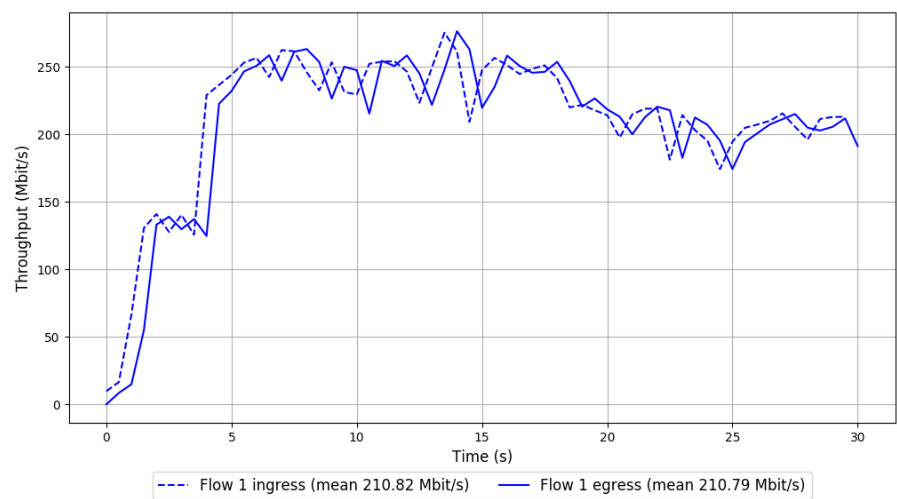
-- Flow 1:

Average throughput: 210.79 Mbit/s

95th percentile per-packet one-way delay: 51.294 ms

Loss rate: 0.35%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-12 14:08:54

End at: 2018-07-12 14:09:24

Local clock offset: -0.248 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-12 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.69 Mbit/s

95th percentile per-packet one-way delay: 51.495 ms

Loss rate: 0.28%

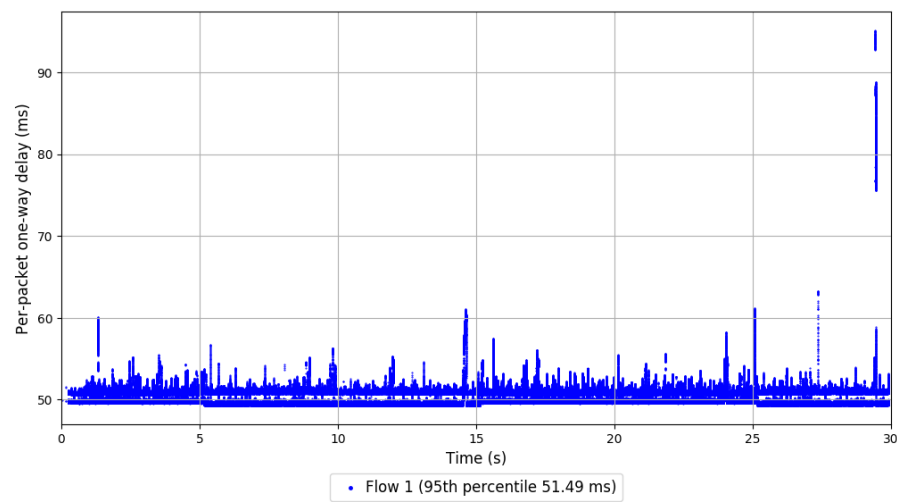
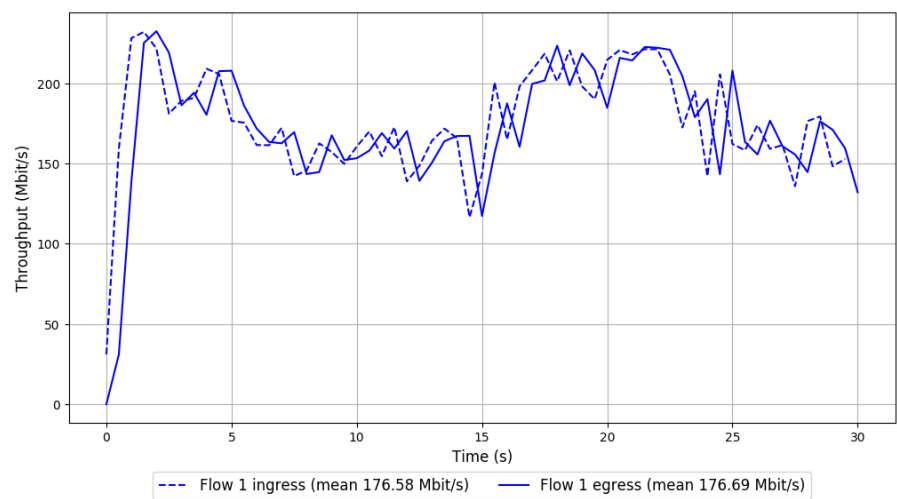
-- Flow 1:

Average throughput: 176.69 Mbit/s

95th percentile per-packet one-way delay: 51.495 ms

Loss rate: 0.28%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-12 14:30:42

End at: 2018-07-12 14:31:12

Local clock offset: 0.125 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-12 16:07:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.18 Mbit/s

95th percentile per-packet one-way delay: 55.545 ms

Loss rate: 0.19%

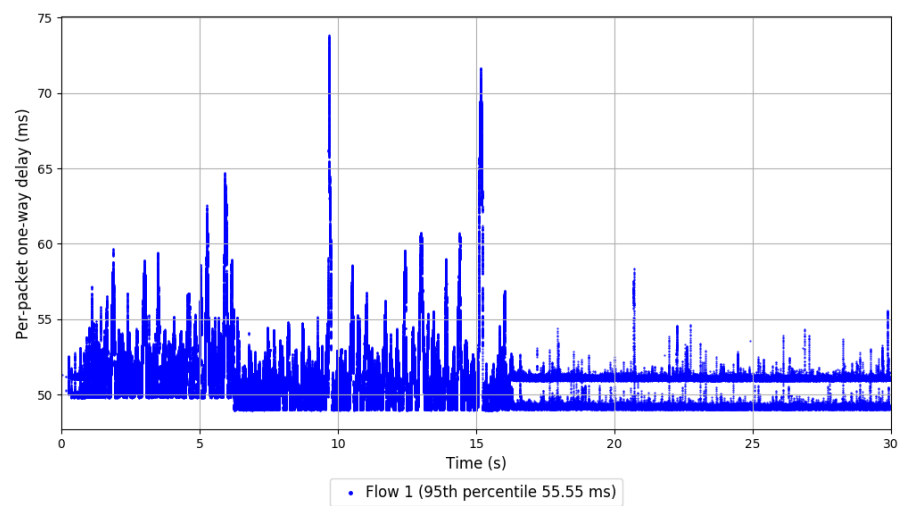
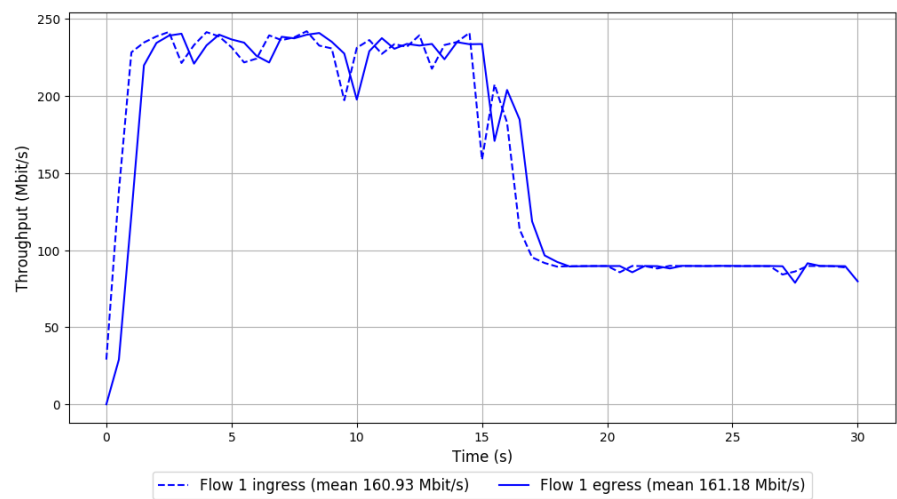
-- Flow 1:

Average throughput: 161.18 Mbit/s

95th percentile per-packet one-way delay: 55.545 ms

Loss rate: 0.19%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-12 11:11:57
End at: 2018-07-12 11:12:27
Local clock offset: 0.107 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-12 16:07:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.61 Mbit/s

95th percentile per-packet one-way delay: 52.266 ms

Loss rate: 0.34%

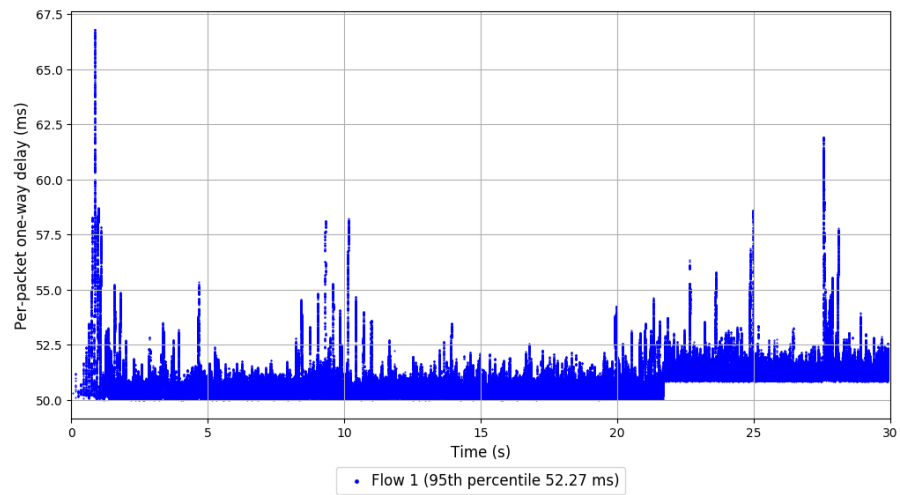
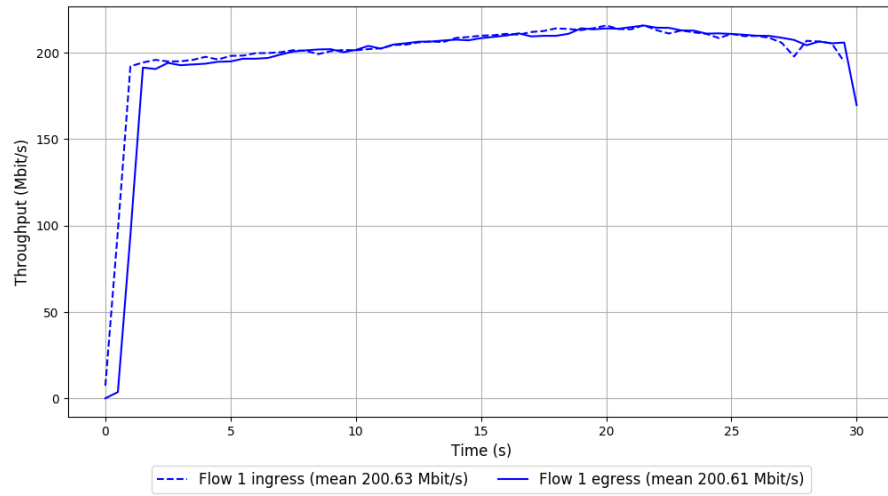
-- Flow 1:

Average throughput: 200.61 Mbit/s

95th percentile per-packet one-way delay: 52.266 ms

Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link

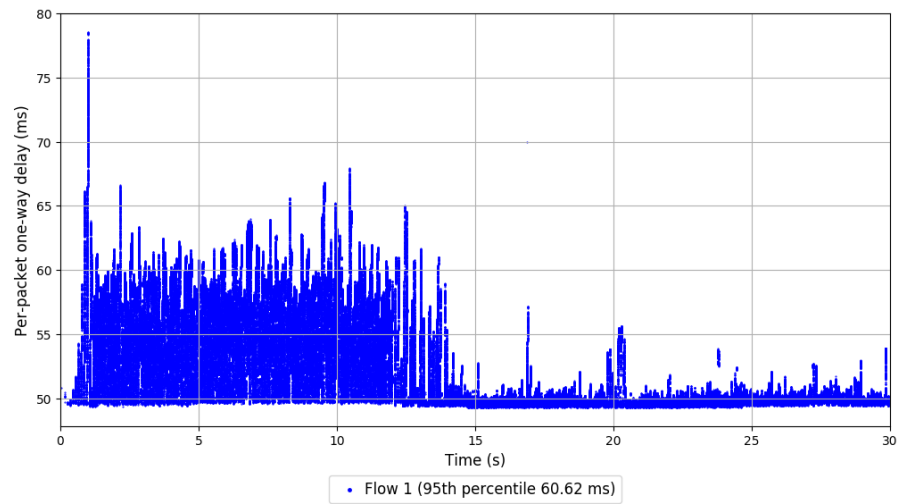
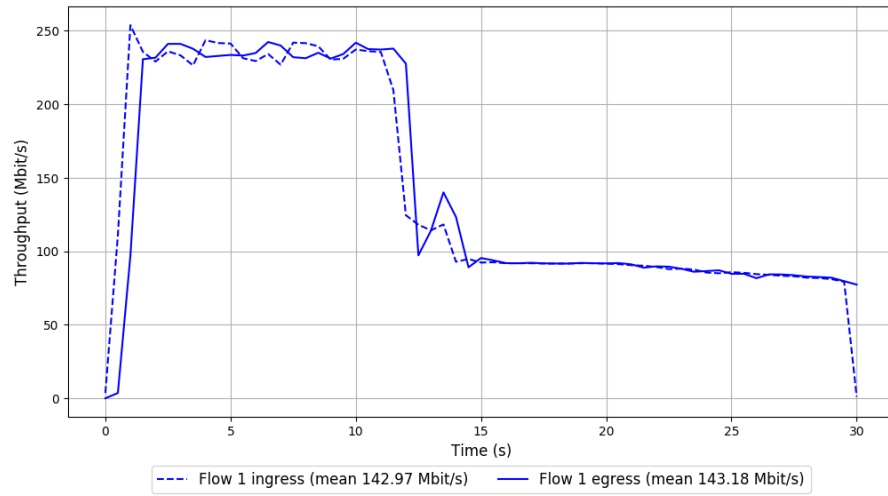


Run 2: Statistics of TCP Vegas

Start at: 2018-07-12 11:33:14
End at: 2018-07-12 11:33:44
Local clock offset: -0.608 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-12 16:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.18 Mbit/s
95th percentile per-packet one-way delay: 60.621 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 143.18 Mbit/s
95th percentile per-packet one-way delay: 60.621 ms
Loss rate: 0.19%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-12 11:54:51

End at: 2018-07-12 11:55:21

Local clock offset: -0.217 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-12 16:07:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.71 Mbit/s

95th percentile per-packet one-way delay: 61.446 ms

Loss rate: 0.14%

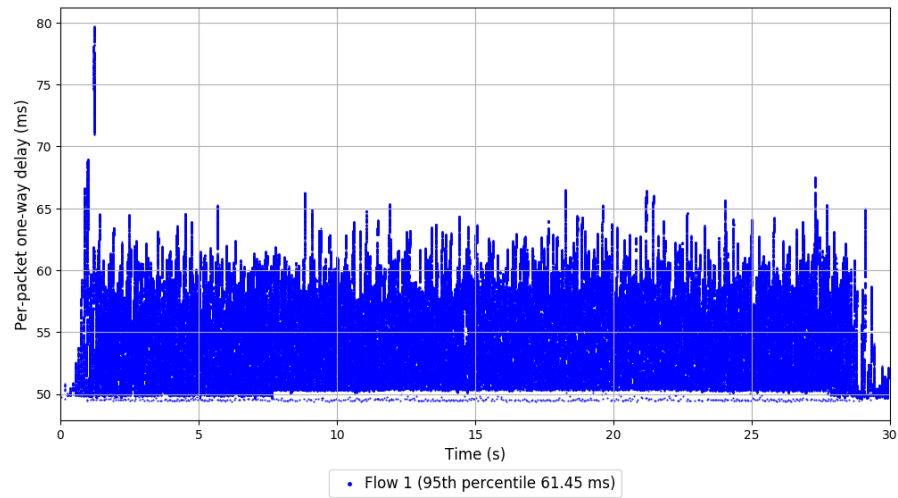
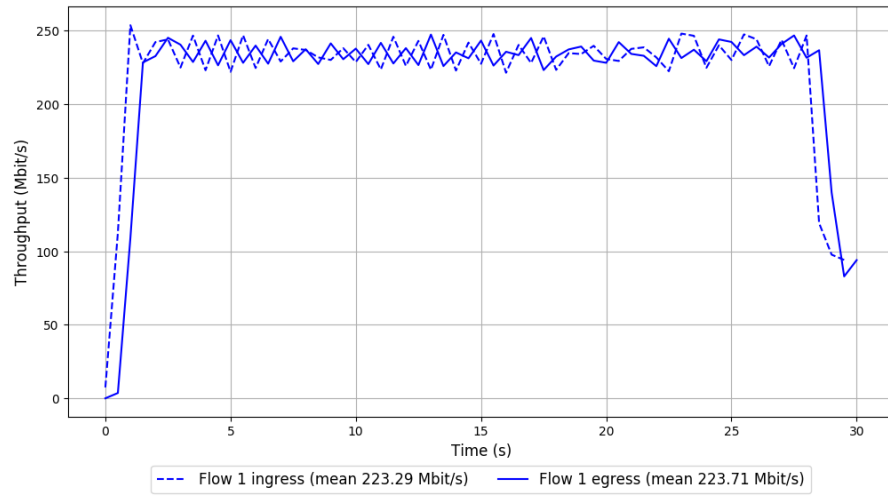
-- Flow 1:

Average throughput: 223.71 Mbit/s

95th percentile per-packet one-way delay: 61.446 ms

Loss rate: 0.14%

Run 3: Report of TCP Vegas — Data Link

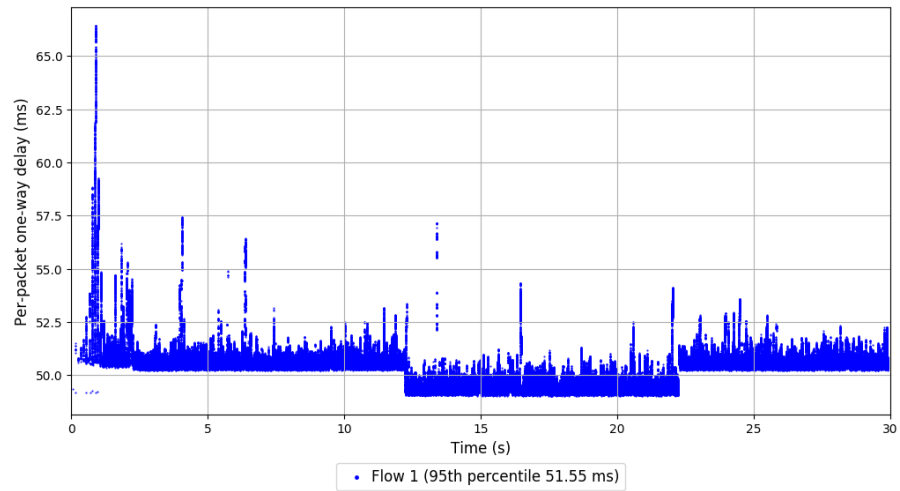
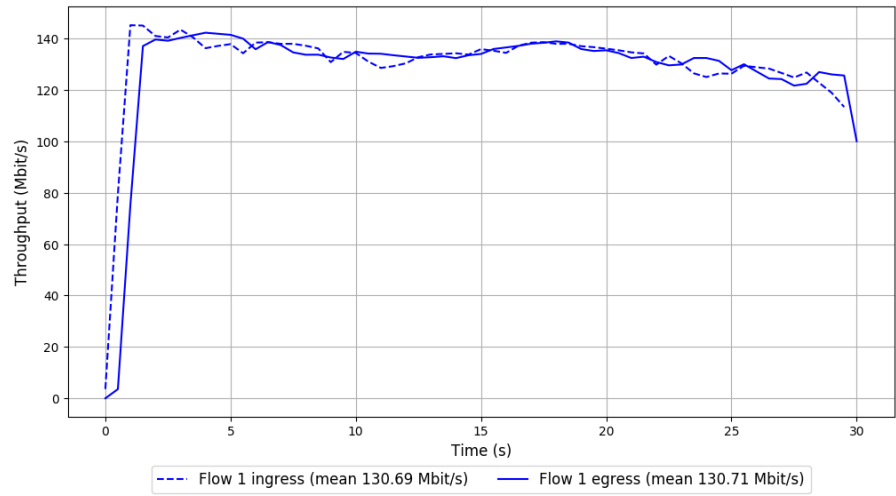


Run 4: Statistics of TCP Vegas

Start at: 2018-07-12 12:16:46
End at: 2018-07-12 12:17:16
Local clock offset: -0.59 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-12 16:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 130.71 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.32%

Run 4: Report of TCP Vegas — Data Link

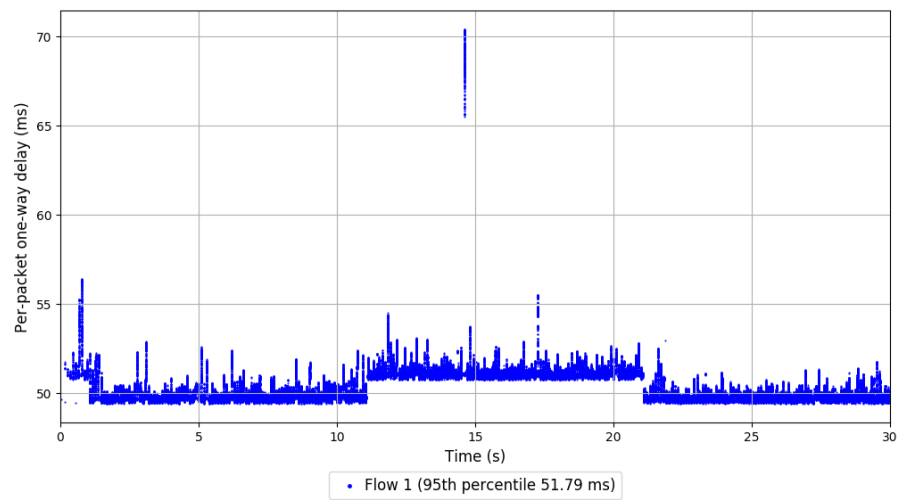
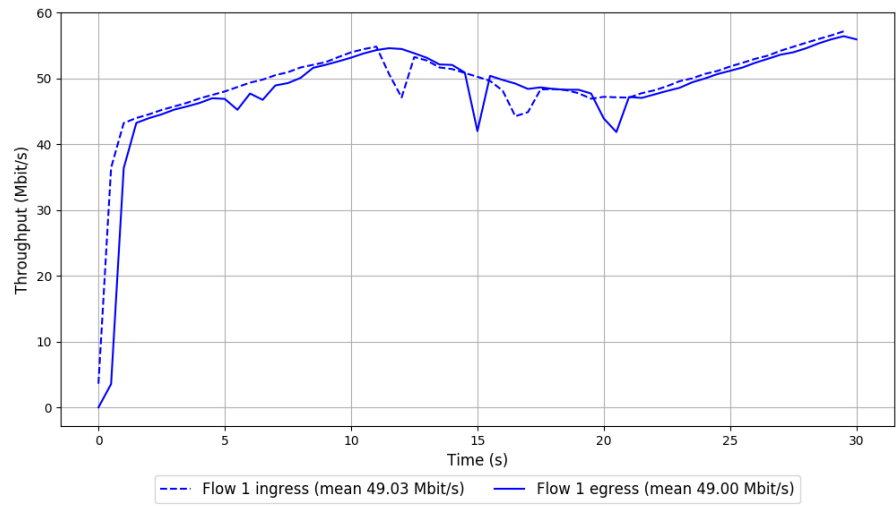


Run 5: Statistics of TCP Vegas

Start at: 2018-07-12 12:38:37
End at: 2018-07-12 12:39:08
Local clock offset: -0.224 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-12 16:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 51.786 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 51.786 ms
Loss rate: 0.39%

Run 5: Report of TCP Vegas — Data Link

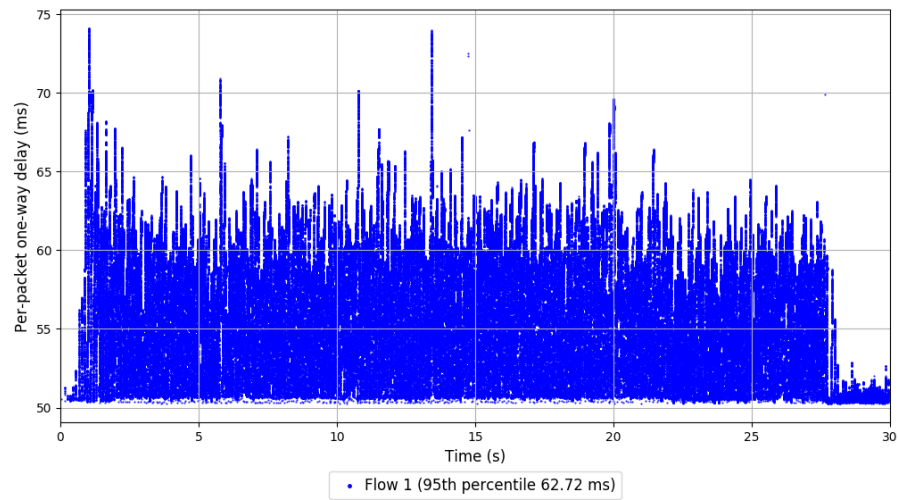
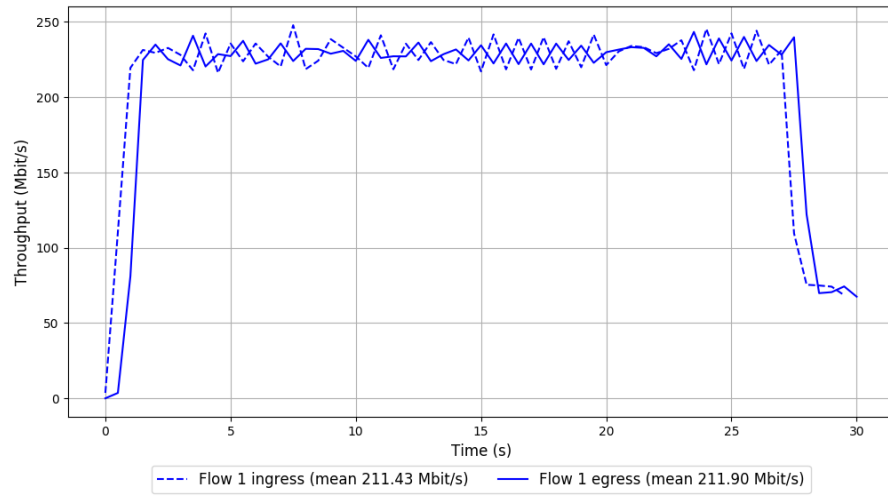


Run 6: Statistics of TCP Vegas

Start at: 2018-07-12 13:00:07
End at: 2018-07-12 13:00:37
Local clock offset: -0.609 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-12 16:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.90 Mbit/s
95th percentile per-packet one-way delay: 62.723 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 211.90 Mbit/s
95th percentile per-packet one-way delay: 62.723 ms
Loss rate: 0.11%

Run 6: Report of TCP Vegas — Data Link

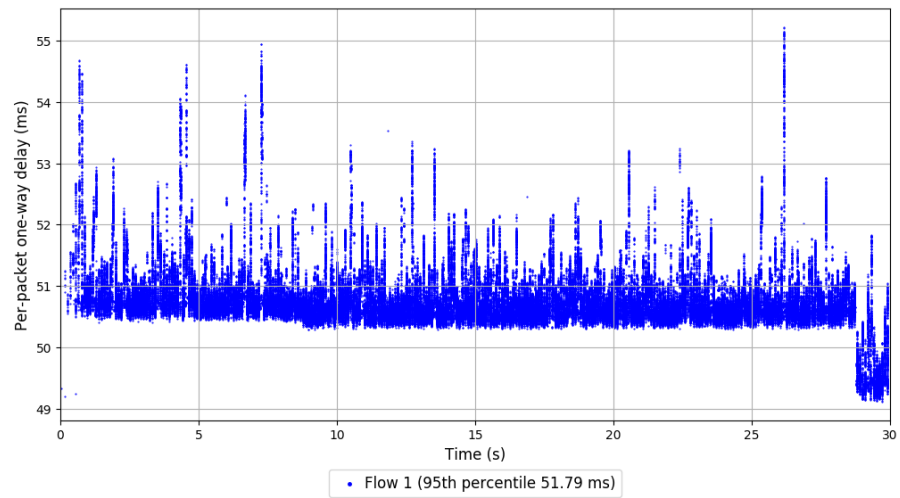
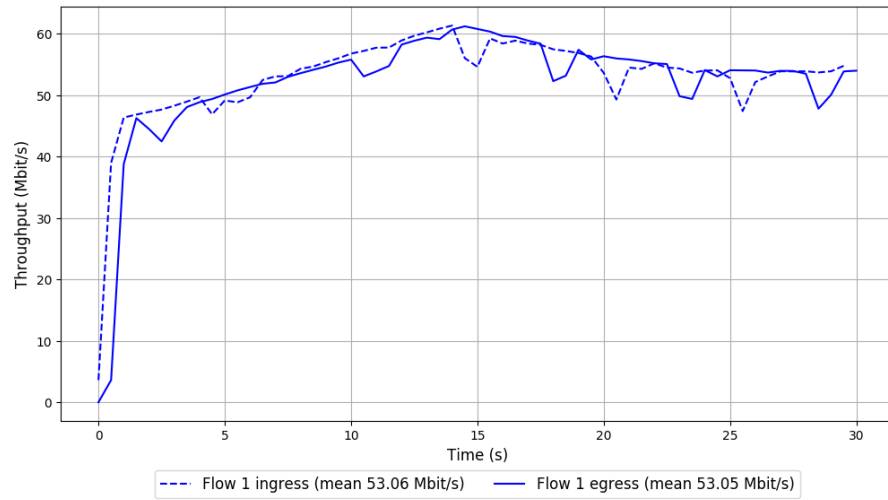


Run 7: Statistics of TCP Vegas

Start at: 2018-07-12 13:21:50
End at: 2018-07-12 13:22:20
Local clock offset: -0.608 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-12 16:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 51.787 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 51.787 ms
Loss rate: 0.35%

Run 7: Report of TCP Vegas — Data Link

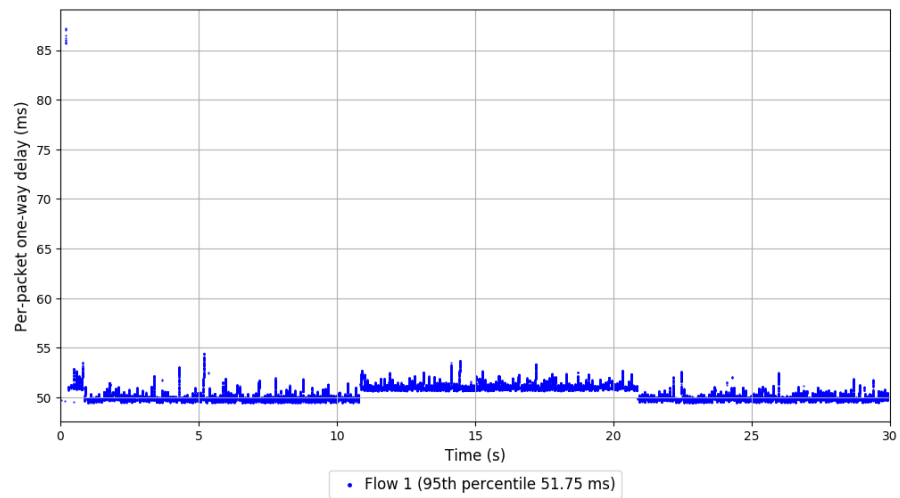
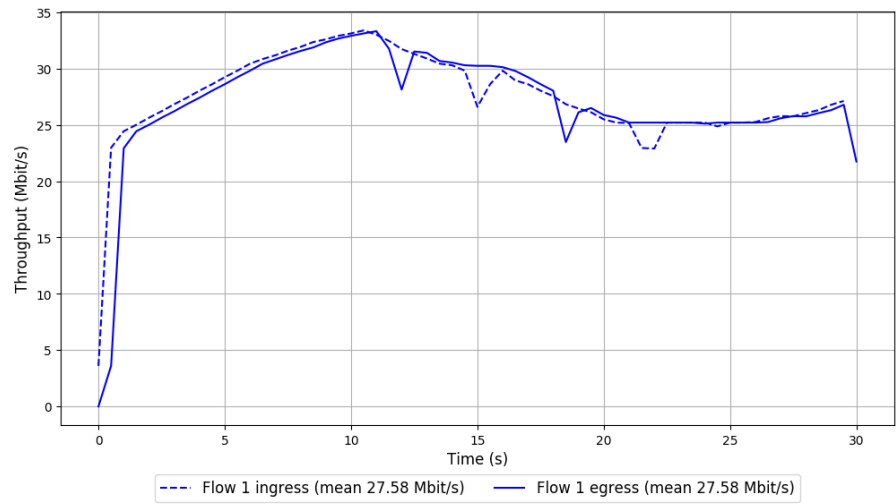


Run 8: Statistics of TCP Vegas

Start at: 2018-07-12 13:43:28
End at: 2018-07-12 13:43:58
Local clock offset: -0.214 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-12 16:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 51.752 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 51.752 ms
Loss rate: 0.33%

Run 8: Report of TCP Vegas — Data Link

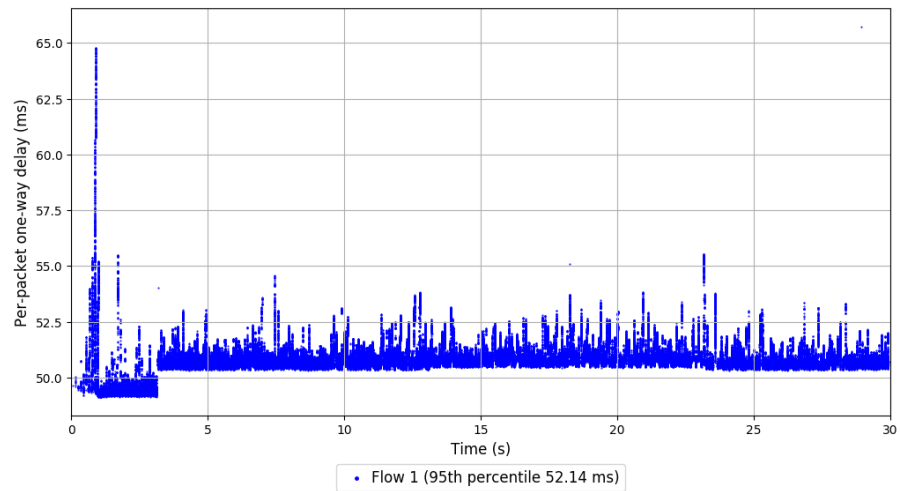
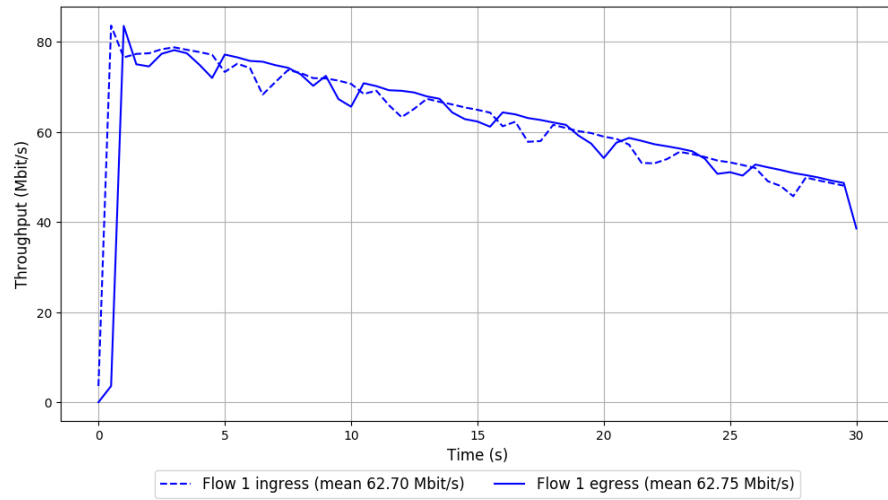


Run 9: Statistics of TCP Vegas

Start at: 2018-07-12 14:04:55
End at: 2018-07-12 14:05:26
Local clock offset: -0.584 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-12 16:08:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 52.142 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 52.142 ms
Loss rate: 0.25%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-12 14:26:27

End at: 2018-07-12 14:26:57

Local clock offset: -0.246 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-12 16:08:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 51.372 ms

Loss rate: 0.34%

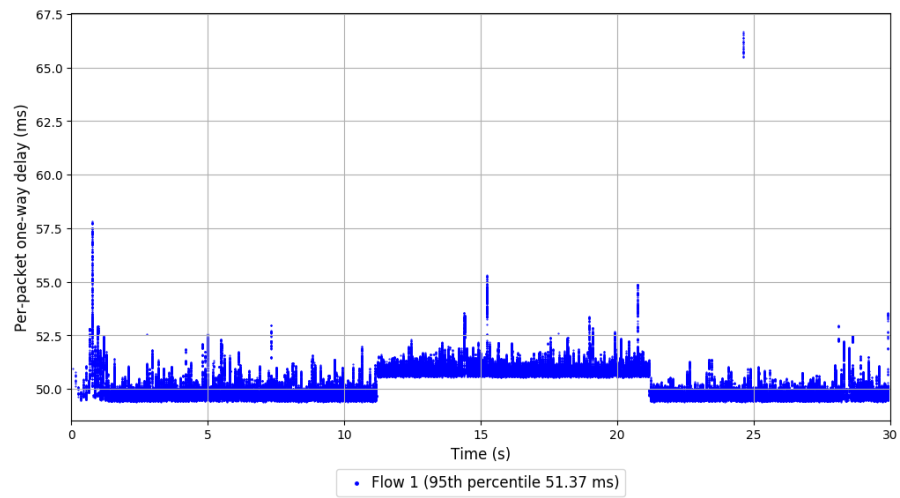
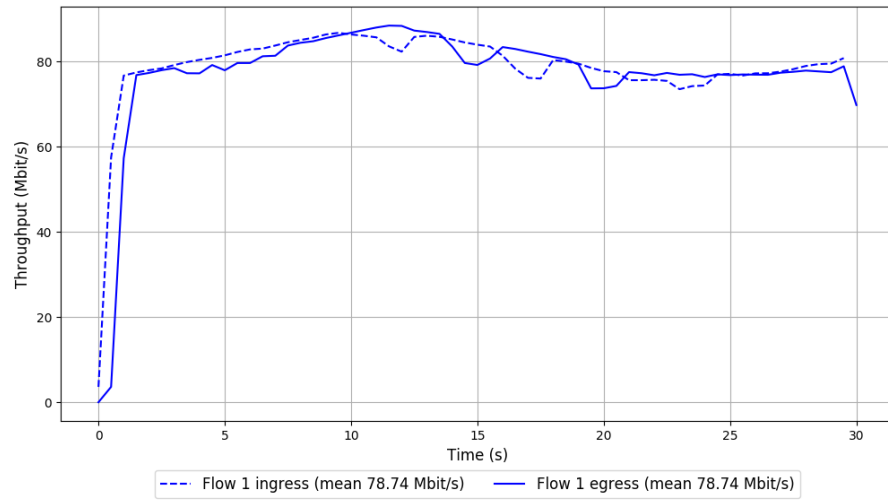
-- Flow 1:

Average throughput: 78.74 Mbit/s

95th percentile per-packet one-way delay: 51.372 ms

Loss rate: 0.34%

Run 10: Report of TCP Vegas — Data Link

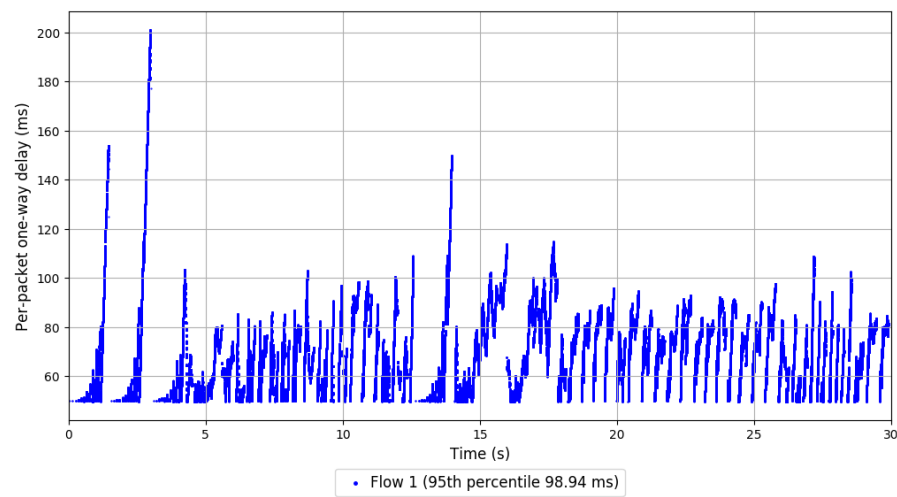
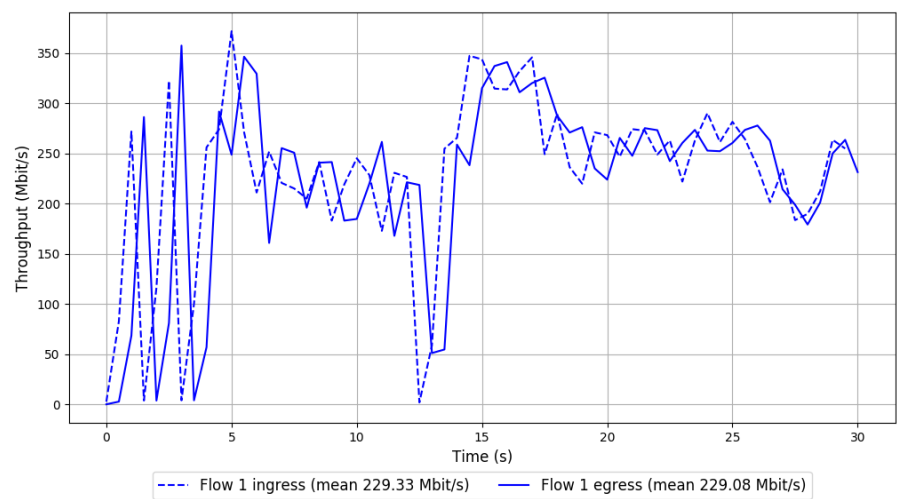


Run 1: Statistics of Verus

Start at: 2018-07-12 11:05:58
End at: 2018-07-12 11:06:28
Local clock offset: -0.282 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-12 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.08 Mbit/s
95th percentile per-packet one-way delay: 98.937 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 229.08 Mbit/s
95th percentile per-packet one-way delay: 98.937 ms
Loss rate: 0.17%

Run 1: Report of Verus — Data Link

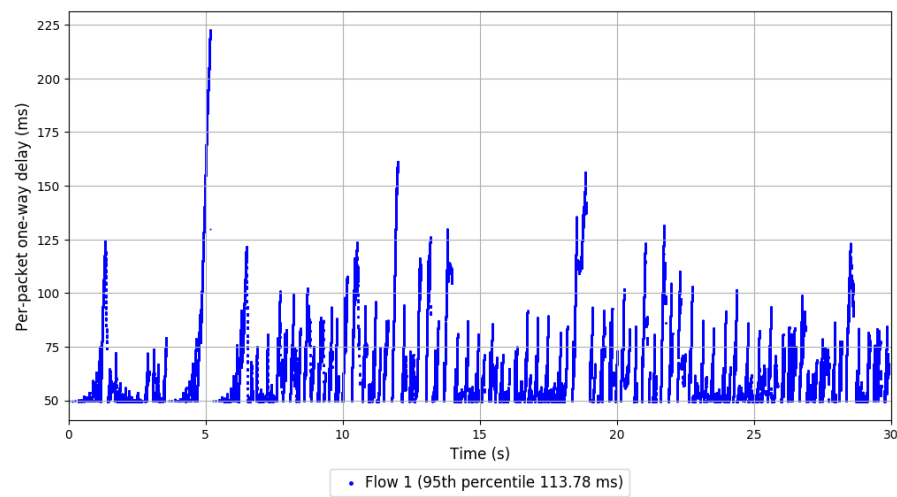
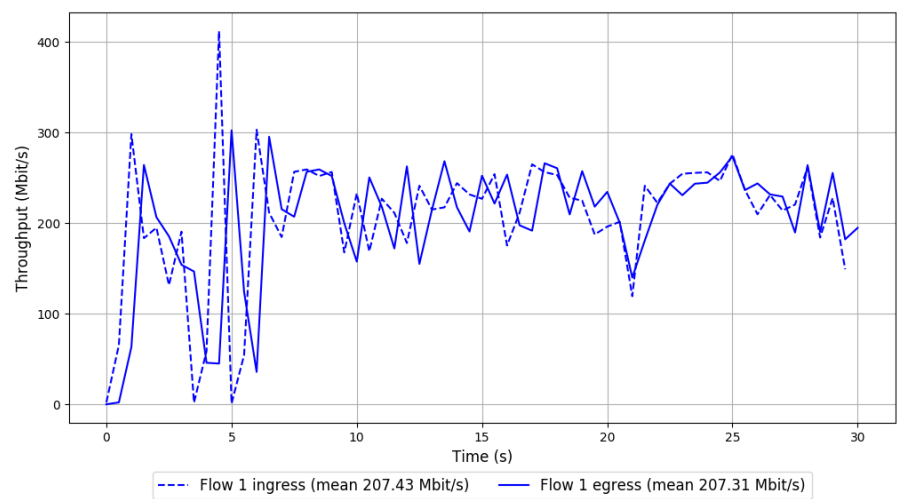


Run 2: Statistics of Verus

Start at: 2018-07-12 11:27:08
End at: 2018-07-12 11:27:38
Local clock offset: -0.579 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-12 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.31 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.31 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

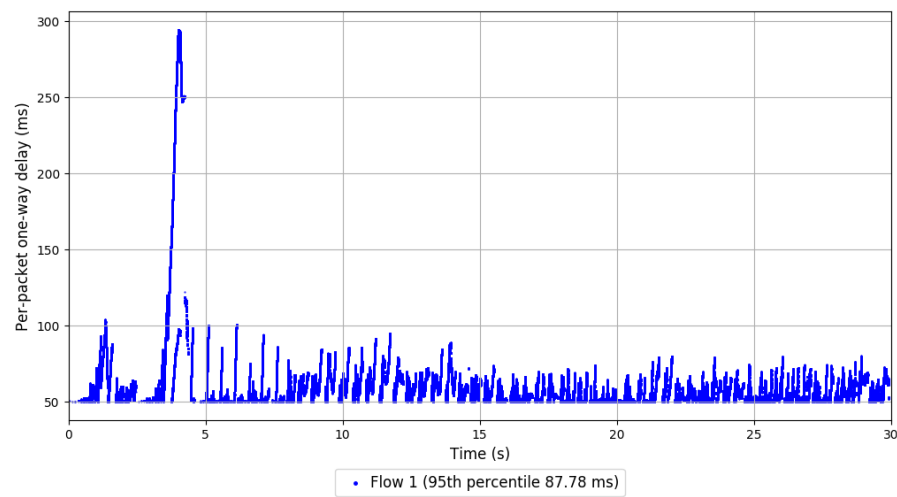
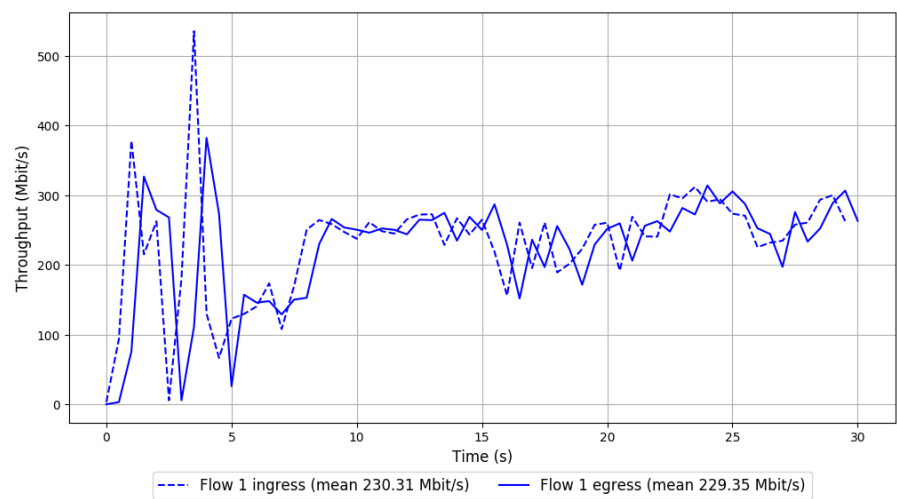


Run 3: Statistics of Verus

Start at: 2018-07-12 11:48:37
End at: 2018-07-12 11:49:08
Local clock offset: 0.167 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-12 16:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.35 Mbit/s
95th percentile per-packet one-way delay: 87.779 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 229.35 Mbit/s
95th percentile per-packet one-way delay: 87.779 ms
Loss rate: 0.74%

Run 3: Report of Verus — Data Link

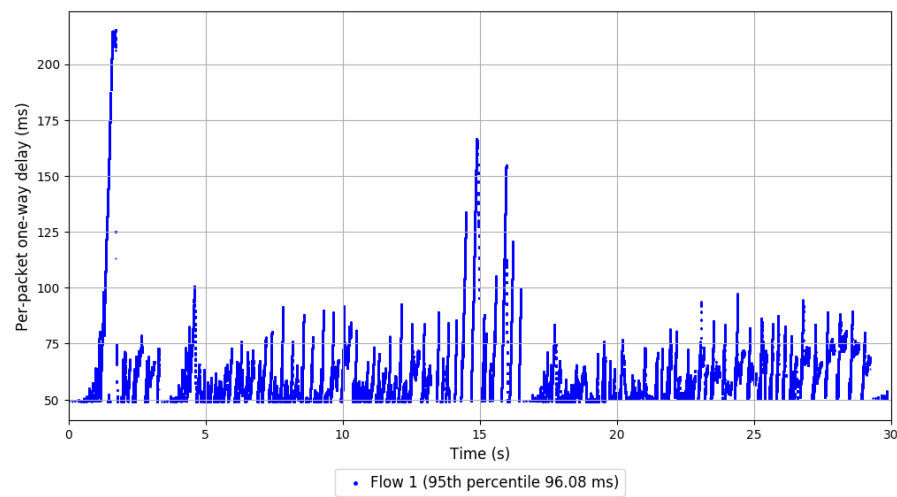
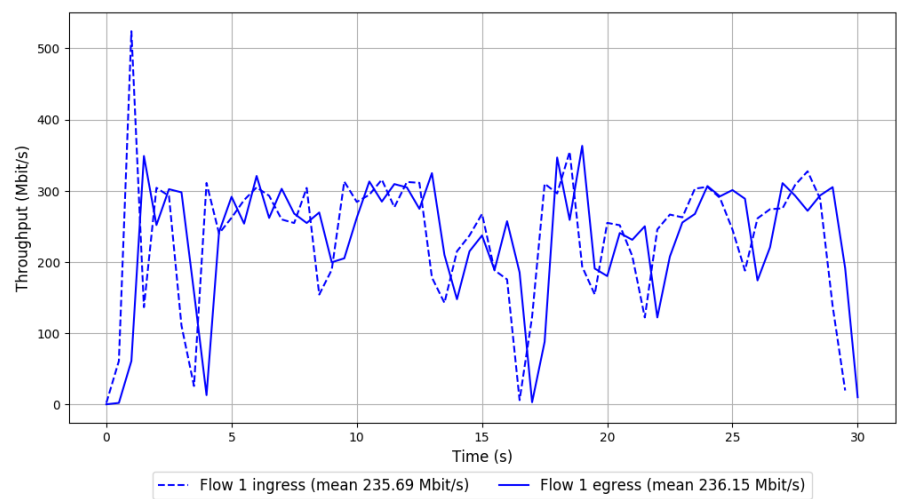


Run 4: Statistics of Verus

Start at: 2018-07-12 12:10:29
End at: 2018-07-12 12:10:59
Local clock offset: -0.585 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-12 16:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.15 Mbit/s
95th percentile per-packet one-way delay: 96.077 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 236.15 Mbit/s
95th percentile per-packet one-way delay: 96.077 ms
Loss rate: 0.14%

Run 4: Report of Verus — Data Link

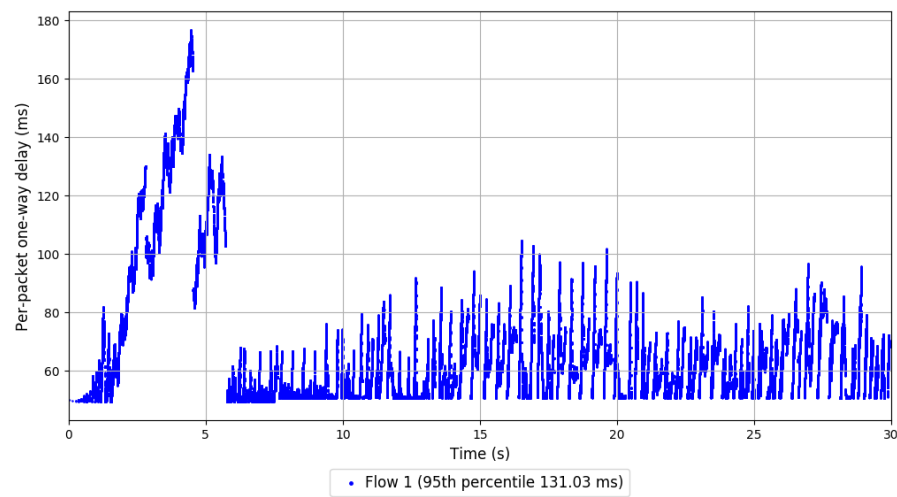
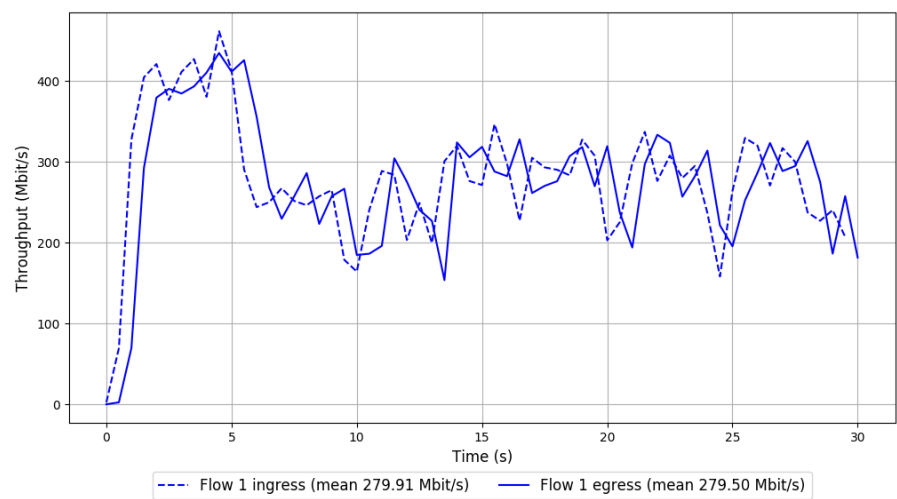


Run 5: Statistics of Verus

Start at: 2018-07-12 12:32:21
End at: 2018-07-12 12:32:51
Local clock offset: -0.207 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-12 16:12:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.50 Mbit/s
95th percentile per-packet one-way delay: 131.034 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 279.50 Mbit/s
95th percentile per-packet one-way delay: 131.034 ms
Loss rate: 0.29%

Run 5: Report of Verus — Data Link

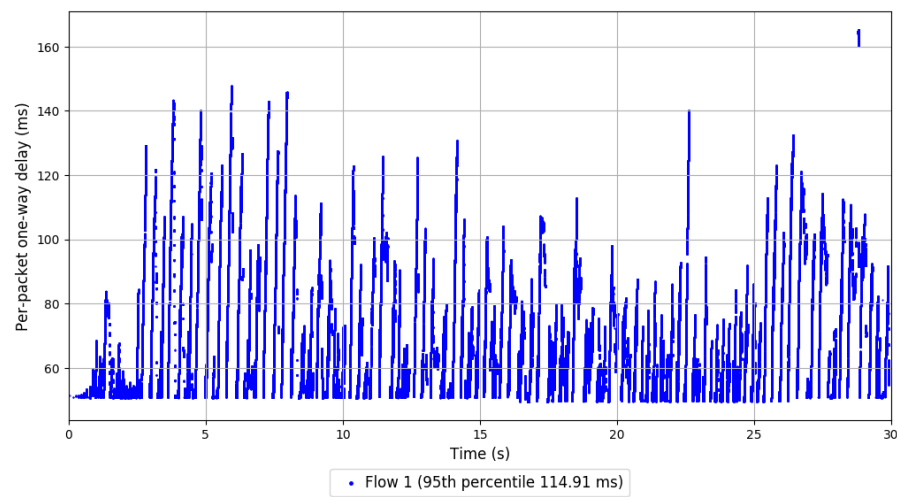
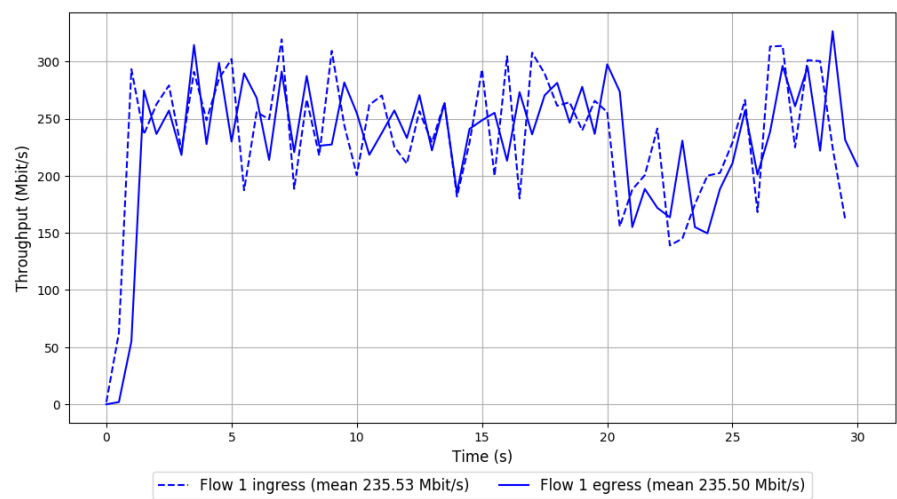


Run 6: Statistics of Verus

Start at: 2018-07-12 12:53:52
End at: 2018-07-12 12:54:22
Local clock offset: -0.229 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-12 16:12:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.50 Mbit/s
95th percentile per-packet one-way delay: 114.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.50 Mbit/s
95th percentile per-packet one-way delay: 114.905 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

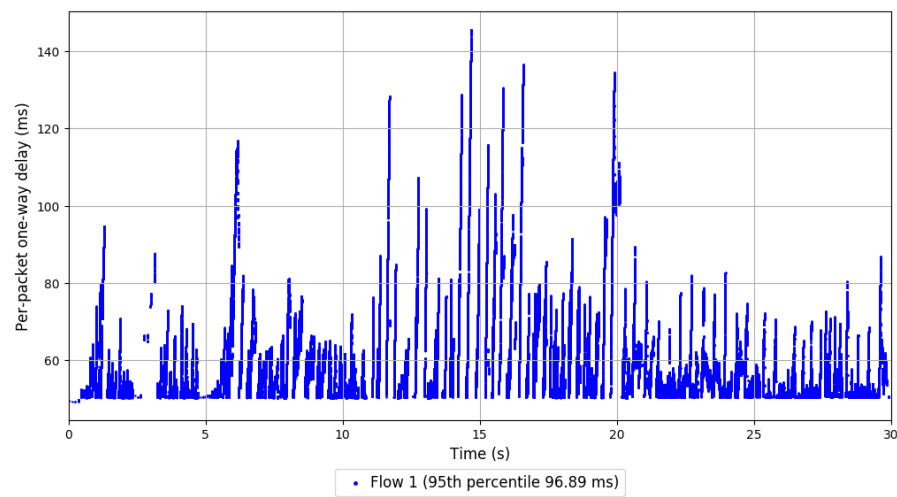
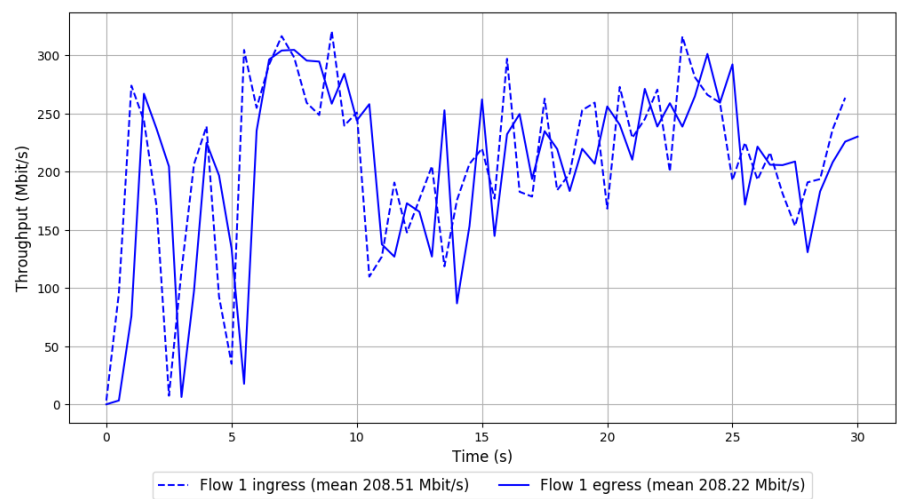


Run 7: Statistics of Verus

Start at: 2018-07-12 13:15:38
End at: 2018-07-12 13:16:08
Local clock offset: -0.597 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-12 16:12:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.22 Mbit/s
95th percentile per-packet one-way delay: 96.895 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 208.22 Mbit/s
95th percentile per-packet one-way delay: 96.895 ms
Loss rate: 0.48%

Run 7: Report of Verus — Data Link

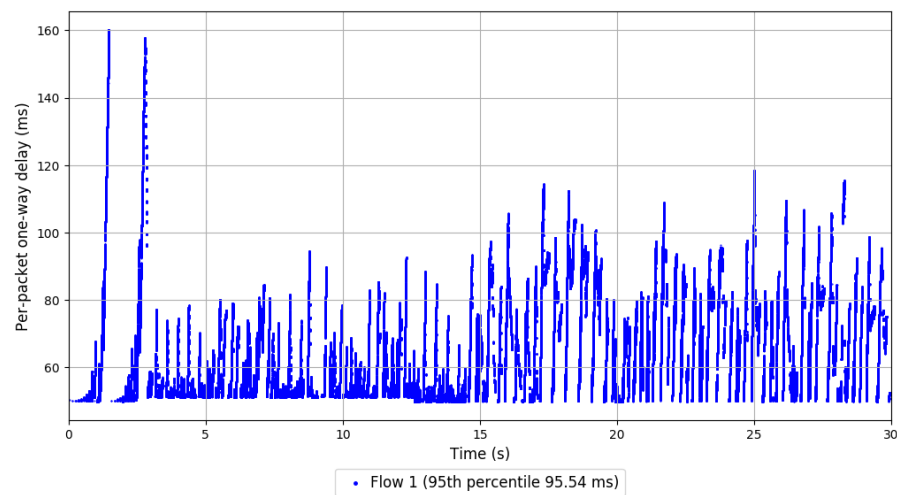
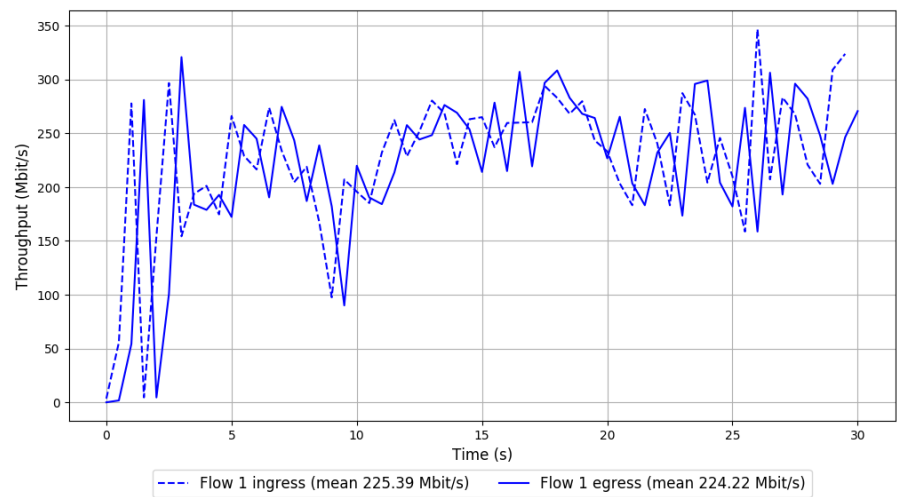


Run 8: Statistics of Verus

Start at: 2018-07-12 13:37:16
End at: 2018-07-12 13:37:46
Local clock offset: 0.105 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-12 16:13:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.22 Mbit/s
95th percentile per-packet one-way delay: 95.541 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 224.22 Mbit/s
95th percentile per-packet one-way delay: 95.541 ms
Loss rate: 0.86%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-12 13:58:47

End at: 2018-07-12 13:59:17

Local clock offset: 0.068 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-12 16:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.44 Mbit/s

95th percentile per-packet one-way delay: 163.551 ms

Loss rate: 1.62%

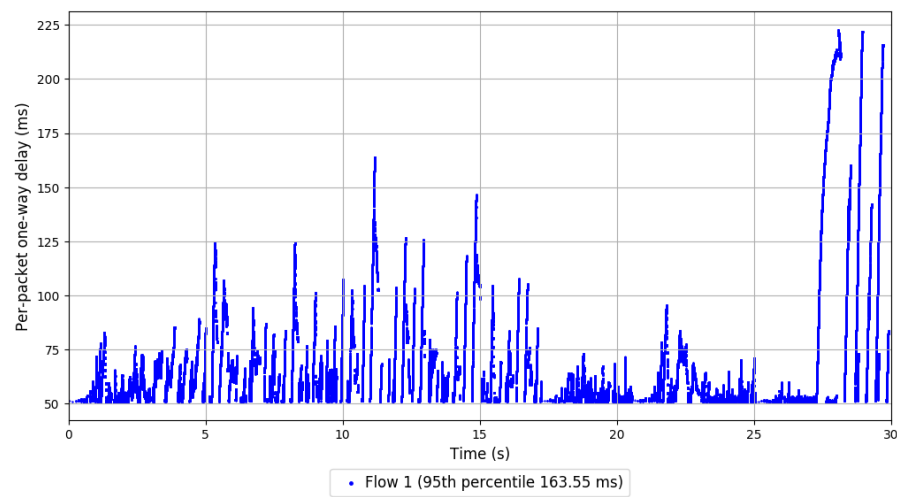
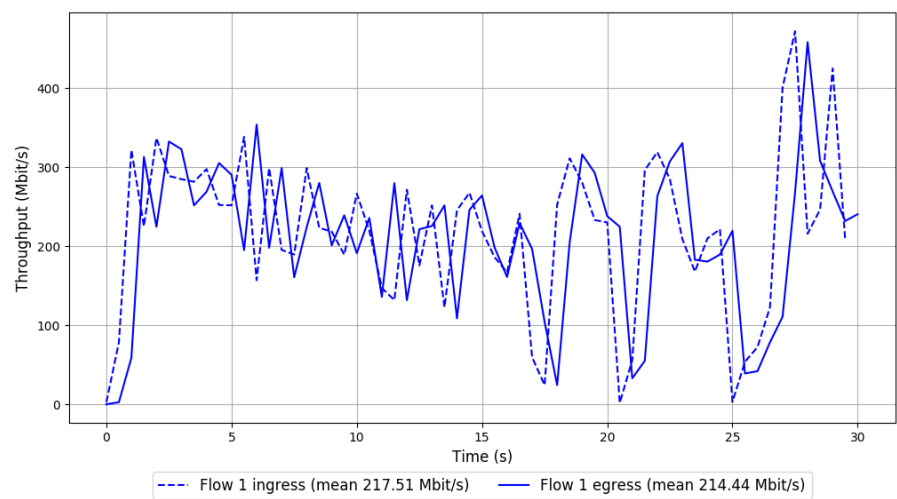
-- Flow 1:

Average throughput: 214.44 Mbit/s

95th percentile per-packet one-way delay: 163.551 ms

Loss rate: 1.62%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-12 14:20:07

End at: 2018-07-12 14:20:37

Local clock offset: 0.124 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-12 16:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.43 Mbit/s

95th percentile per-packet one-way delay: 174.110 ms

Loss rate: 0.33%

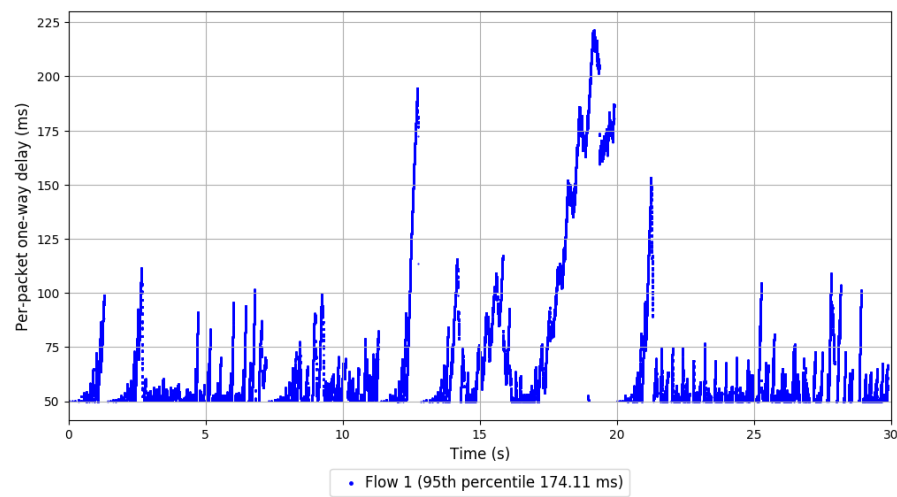
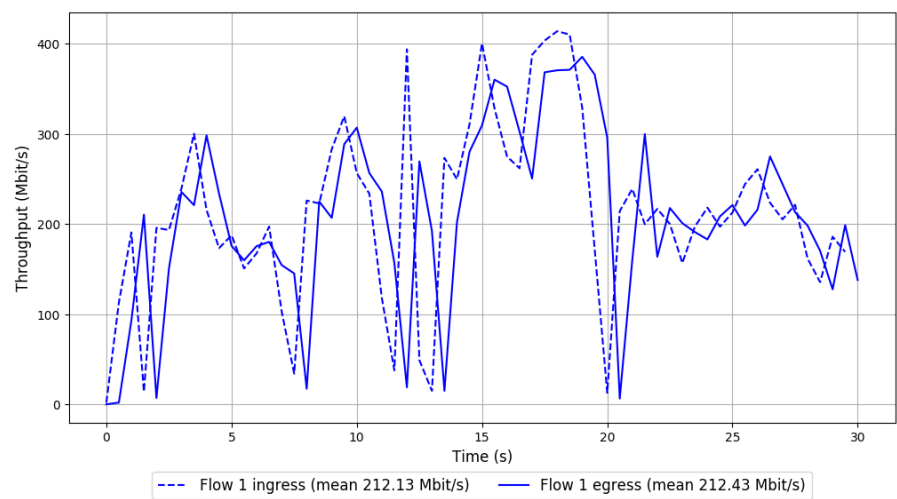
-- Flow 1:

Average throughput: 212.43 Mbit/s

95th percentile per-packet one-way delay: 174.110 ms

Loss rate: 0.33%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-12 11:17:32

End at: 2018-07-12 11:18:02

Local clock offset: 0.128 ms

Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-12 16:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.78 Mbit/s

95th percentile per-packet one-way delay: 50.783 ms

Loss rate: 0.36%

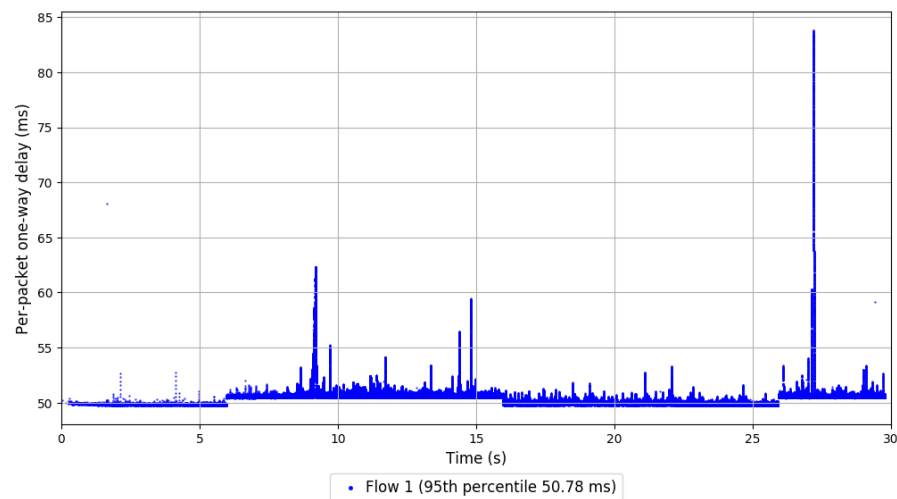
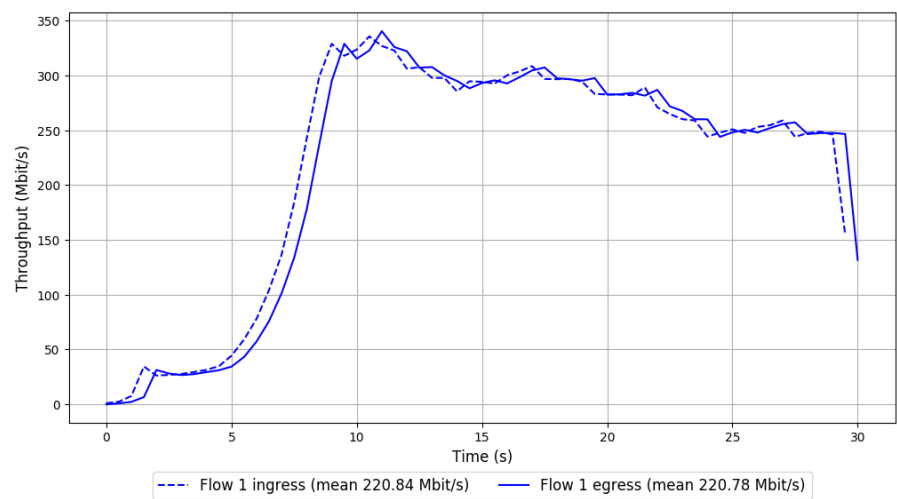
-- Flow 1:

Average throughput: 220.78 Mbit/s

95th percentile per-packet one-way delay: 50.783 ms

Loss rate: 0.36%

Run 1: Report of PCC-Vivace — Data Link

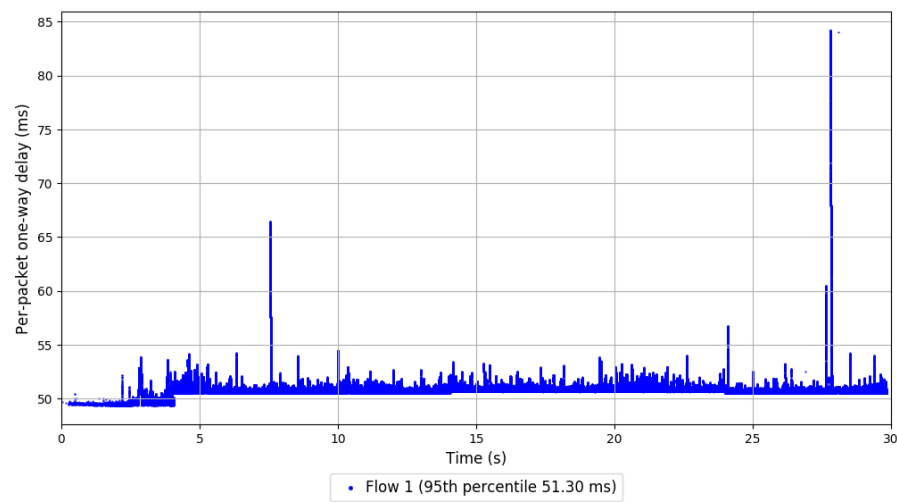
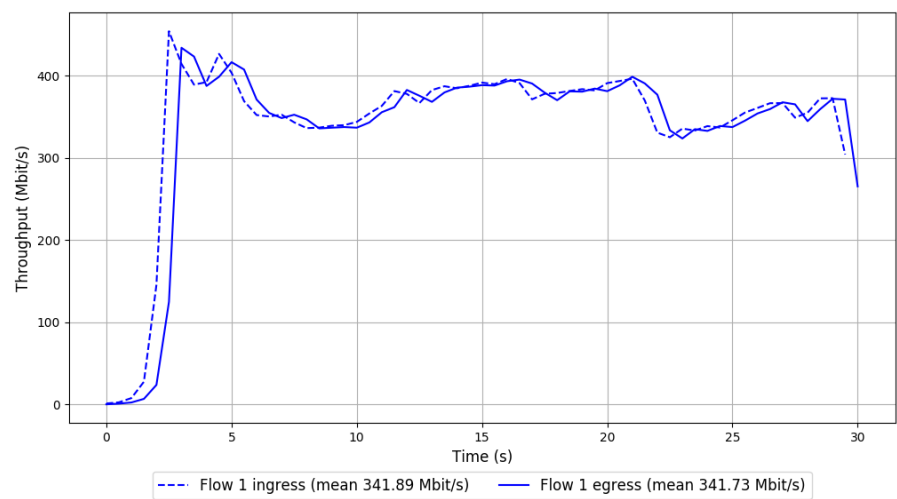


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-12 11:38:45
End at: 2018-07-12 11:39:15
Local clock offset: -0.216 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-12 16:17:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.73 Mbit/s
95th percentile per-packet one-way delay: 51.305 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 341.73 Mbit/s
95th percentile per-packet one-way delay: 51.305 ms
Loss rate: 0.38%

Run 2: Report of PCC-Vivace — Data Link

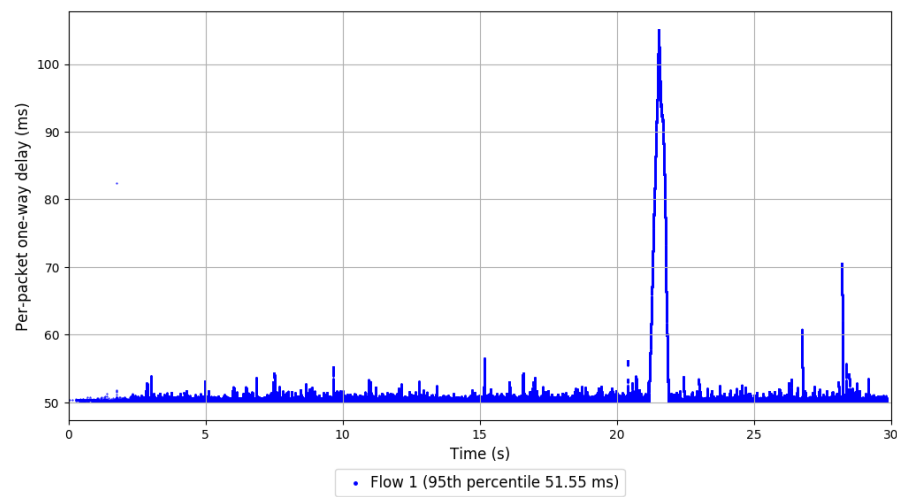
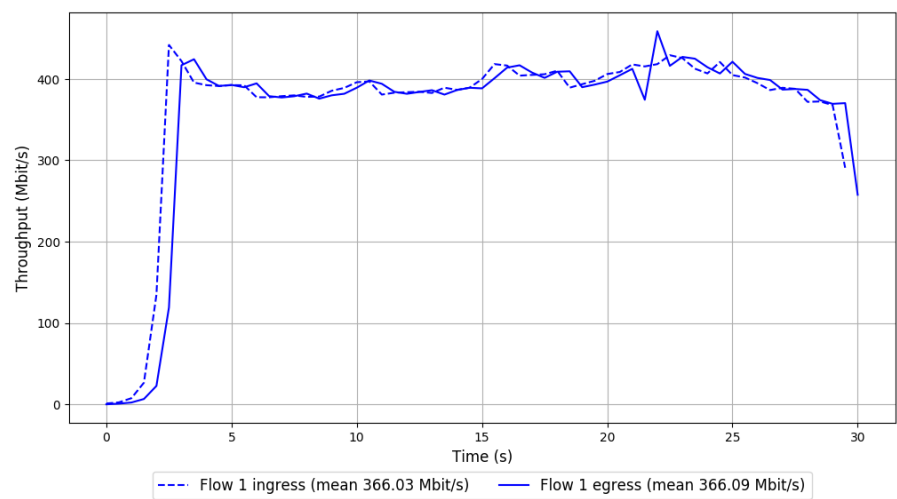


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-12 12:00:29
End at: 2018-07-12 12:00:59
Local clock offset: -0.204 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-12 16:18:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.09 Mbit/s
95th percentile per-packet one-way delay: 51.549 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 366.09 Mbit/s
95th percentile per-packet one-way delay: 51.549 ms
Loss rate: 0.32%

Run 3: Report of PCC-Vivace — Data Link

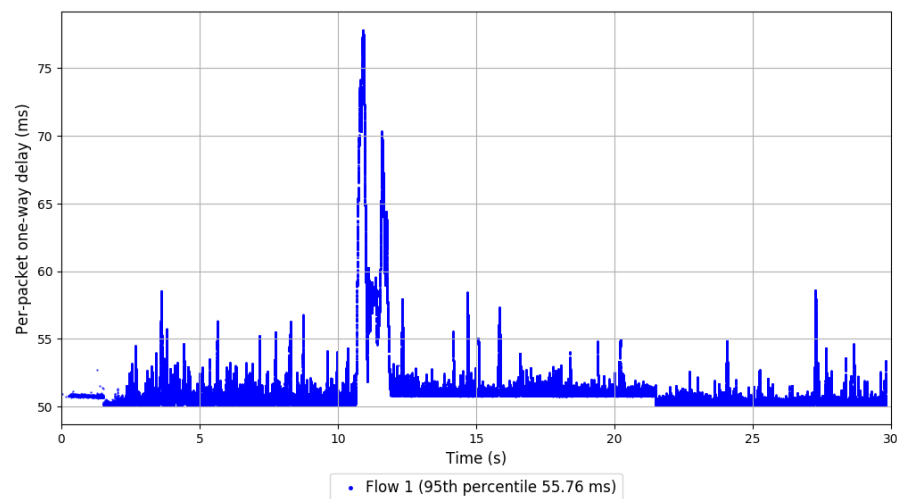
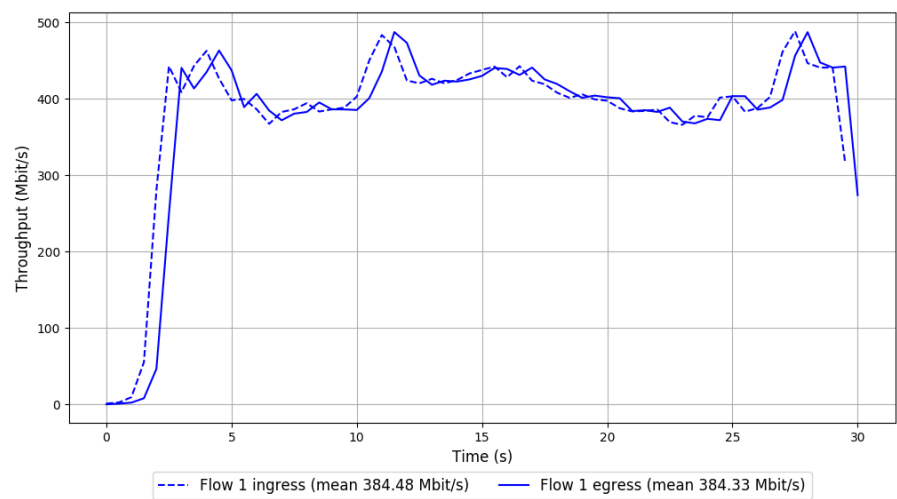


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-12 12:22:17
End at: 2018-07-12 12:22:47
Local clock offset: -0.222 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-12 16:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.33 Mbit/s
95th percentile per-packet one-way delay: 55.762 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 384.33 Mbit/s
95th percentile per-packet one-way delay: 55.762 ms
Loss rate: 0.38%

Run 4: Report of PCC-Vivace — Data Link

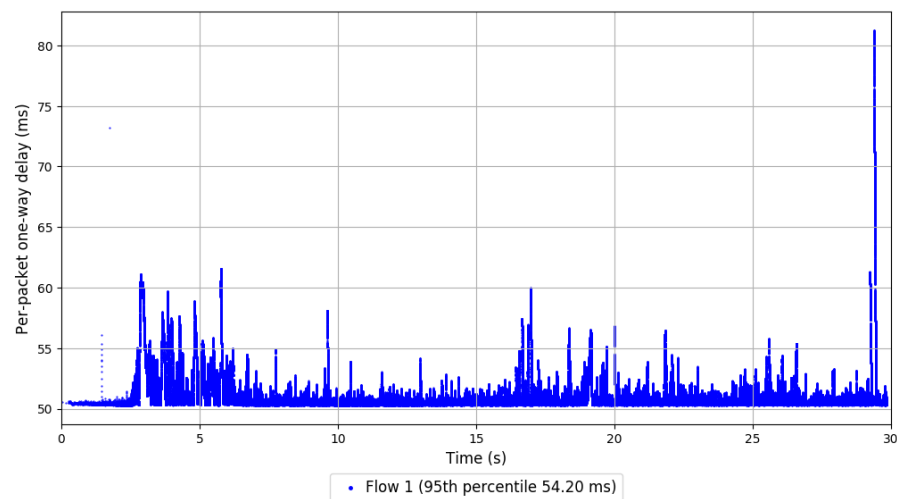
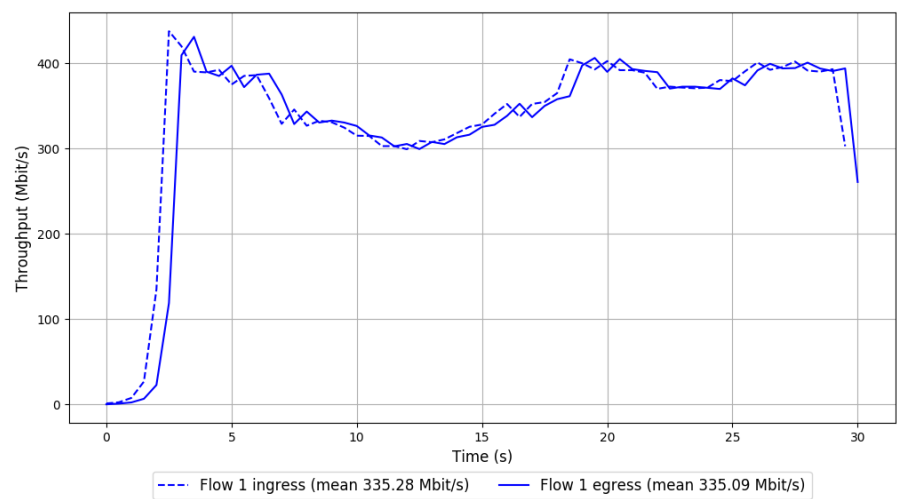


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-12 12:43:53
End at: 2018-07-12 12:44:23
Local clock offset: -0.566 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-12 16:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.09 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 335.09 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.40%

Run 5: Report of PCC-Vivace — Data Link

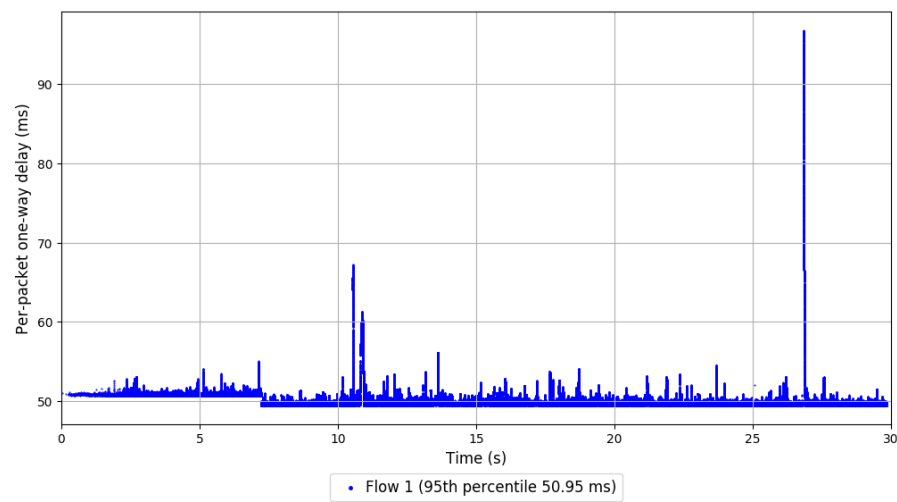
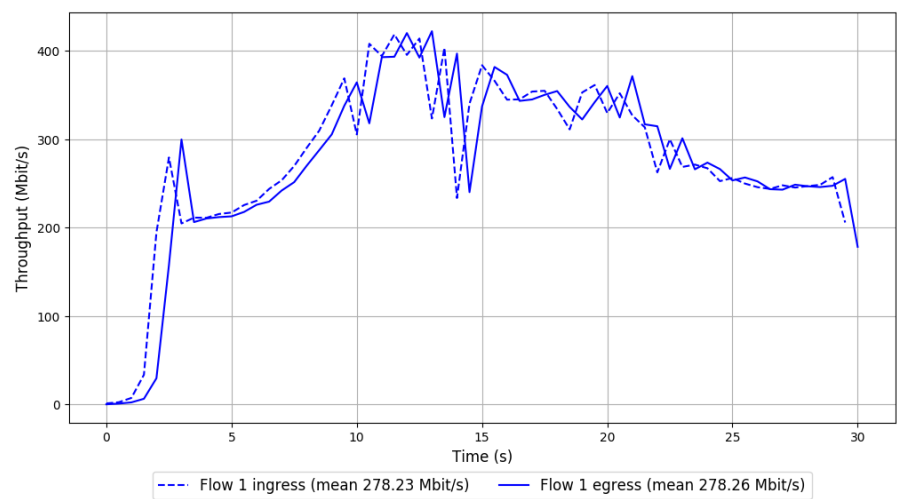


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-12 13:05:41
End at: 2018-07-12 13:06:11
Local clock offset: -0.199 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-12 16:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.26 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 278.26 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.33%

Run 6: Report of PCC-Vivace — Data Link

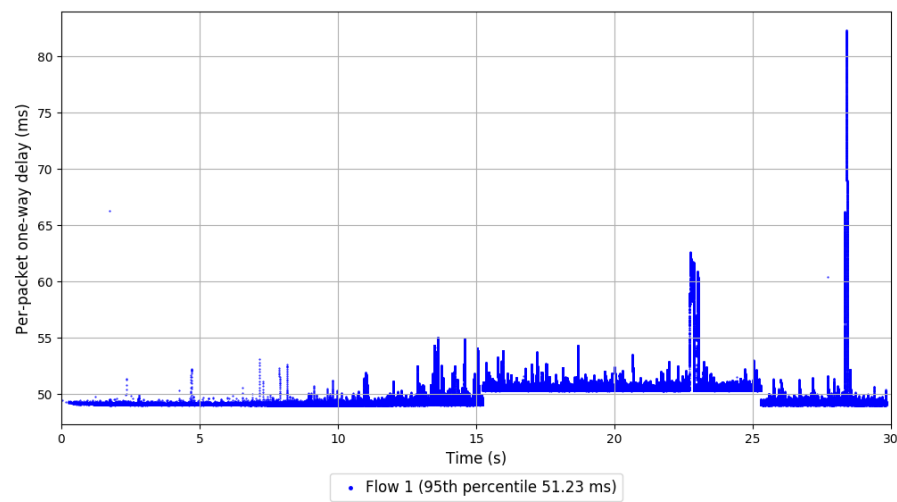
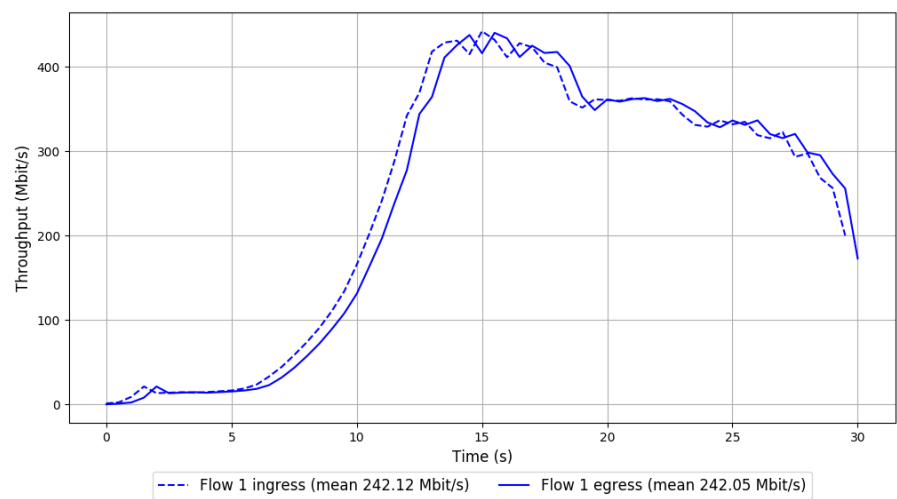


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-12 13:27:13
End at: 2018-07-12 13:27:43
Local clock offset: -0.576 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-12 16:18:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.05 Mbit/s
95th percentile per-packet one-way delay: 51.233 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 242.05 Mbit/s
95th percentile per-packet one-way delay: 51.233 ms
Loss rate: 0.37%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-12 13:48:58

End at: 2018-07-12 13:49:28

Local clock offset: -0.308 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-12 16:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.79 Mbit/s

95th percentile per-packet one-way delay: 51.174 ms

Loss rate: 0.58%

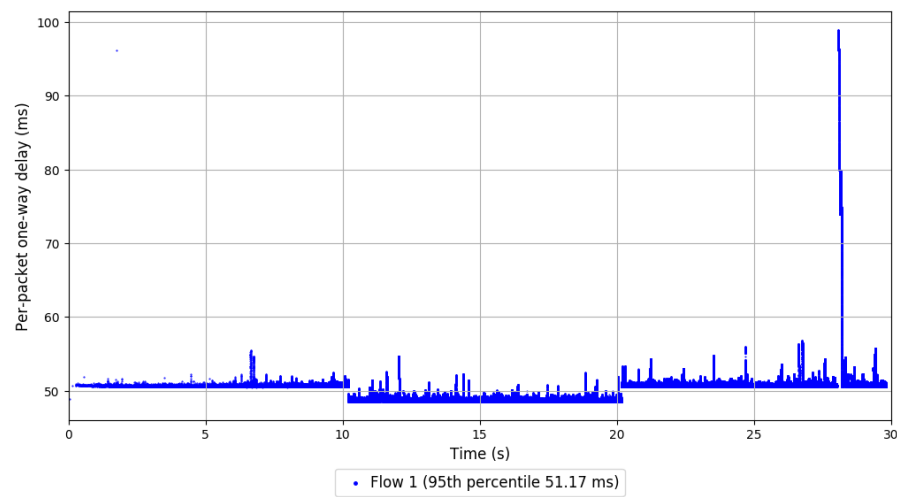
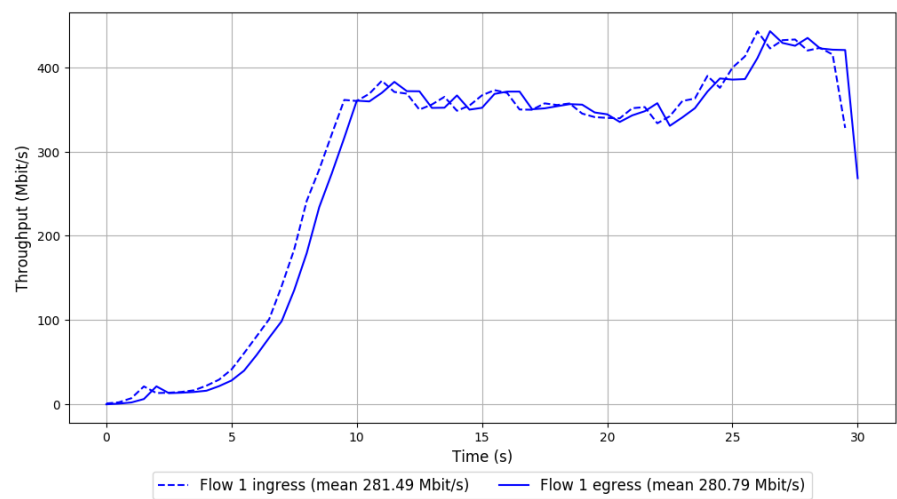
-- Flow 1:

Average throughput: 280.79 Mbit/s

95th percentile per-packet one-way delay: 51.174 ms

Loss rate: 0.58%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-12 14:10:14

End at: 2018-07-12 14:10:44

Local clock offset: -0.548 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-12 16:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.17 Mbit/s

95th percentile per-packet one-way delay: 51.475 ms

Loss rate: 0.47%

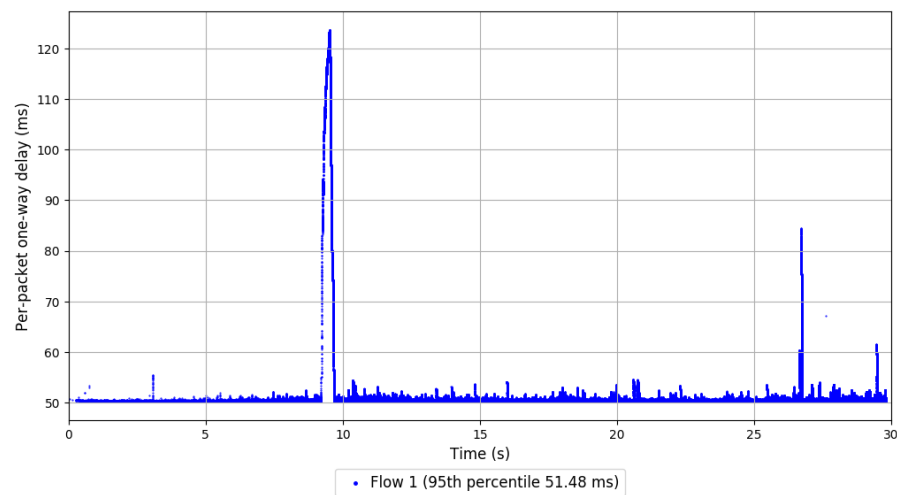
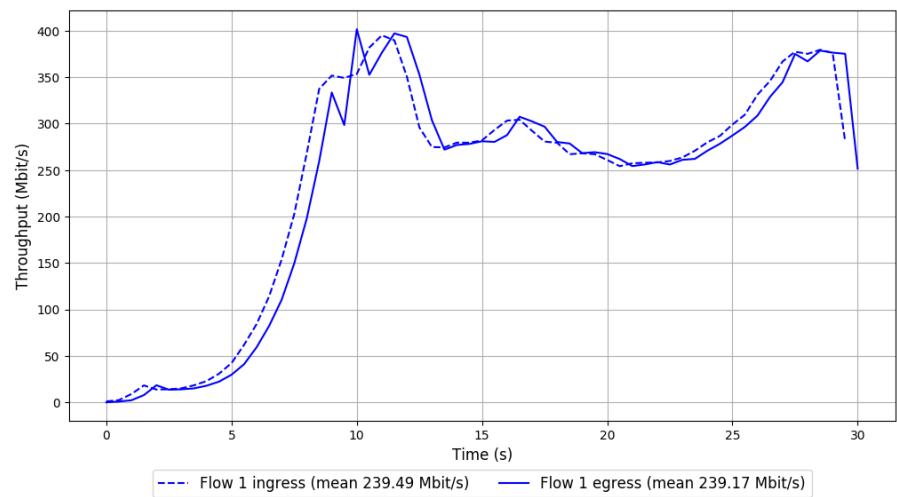
-- Flow 1:

Average throughput: 239.17 Mbit/s

95th percentile per-packet one-way delay: 51.475 ms

Loss rate: 0.47%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-12 14:32:04

End at: 2018-07-12 14:32:34

Local clock offset: 0.112 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 16:19:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.15 Mbit/s

95th percentile per-packet one-way delay: 50.556 ms

Loss rate: 0.29%

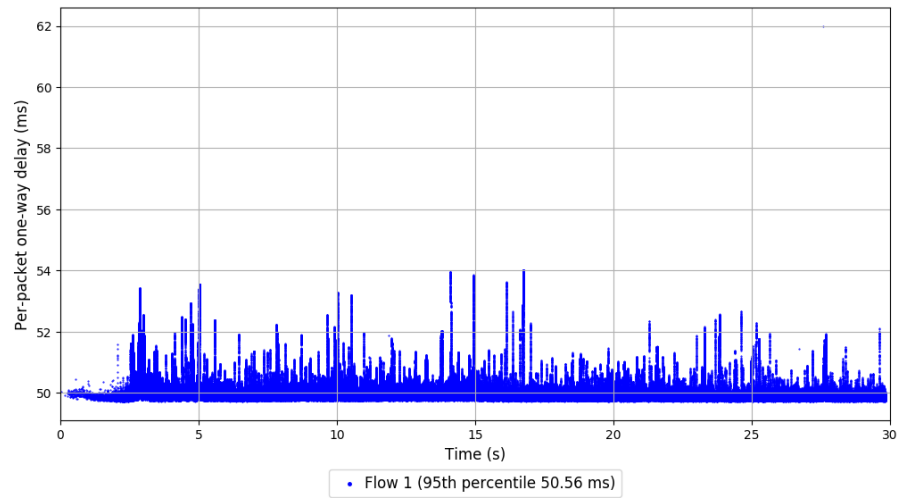
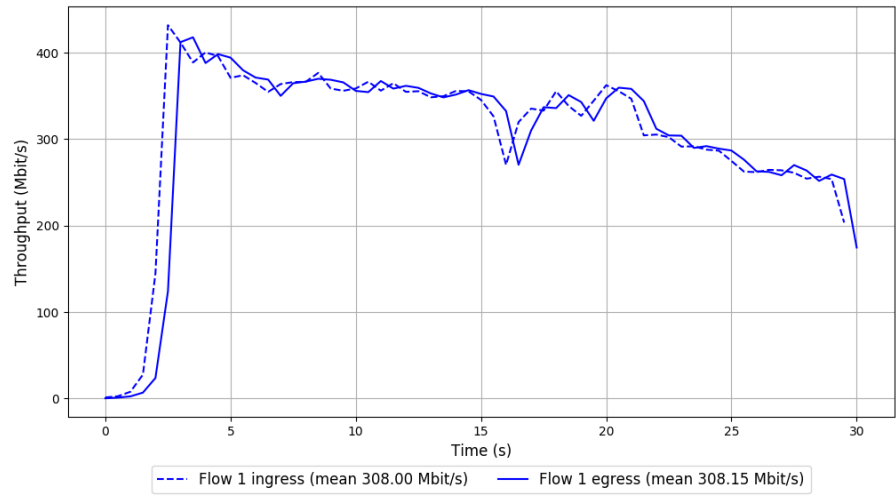
-- Flow 1:

Average throughput: 308.15 Mbit/s

95th percentile per-packet one-way delay: 50.556 ms

Loss rate: 0.29%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

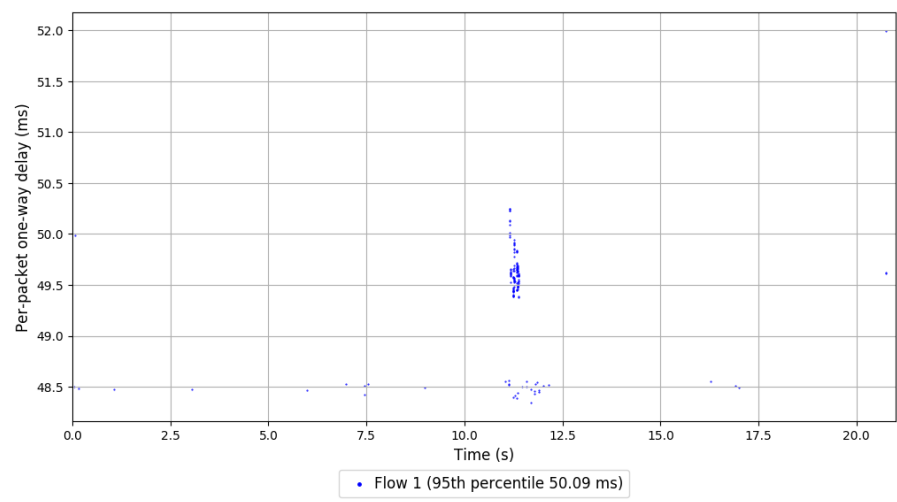
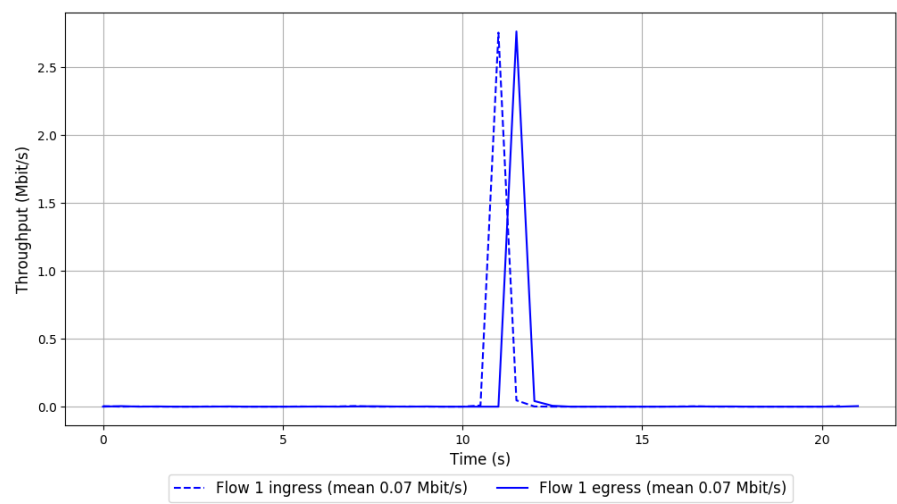
Start at: 2018-07-12 11:10:52

End at: 2018-07-12 11:11:22

Local clock offset: -0.612 ms

Remote clock offset: -0.06 ms

Run 1: Report of WebRTC media — Data Link

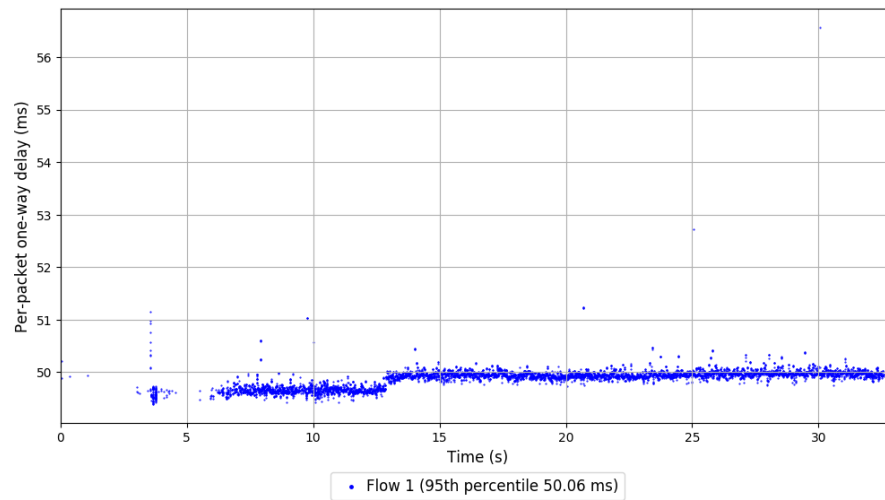
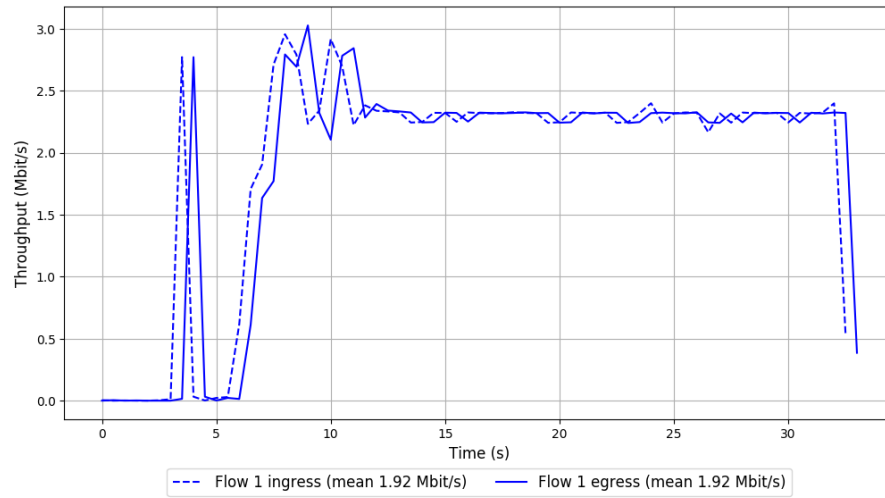


Run 2: Statistics of WebRTC media

Start at: 2018-07-12 11:32:08
End at: 2018-07-12 11:32:38
Local clock offset: -0.591 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.065 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.065 ms
Loss rate: 0.37%

Run 2: Report of WebRTC media — Data Link

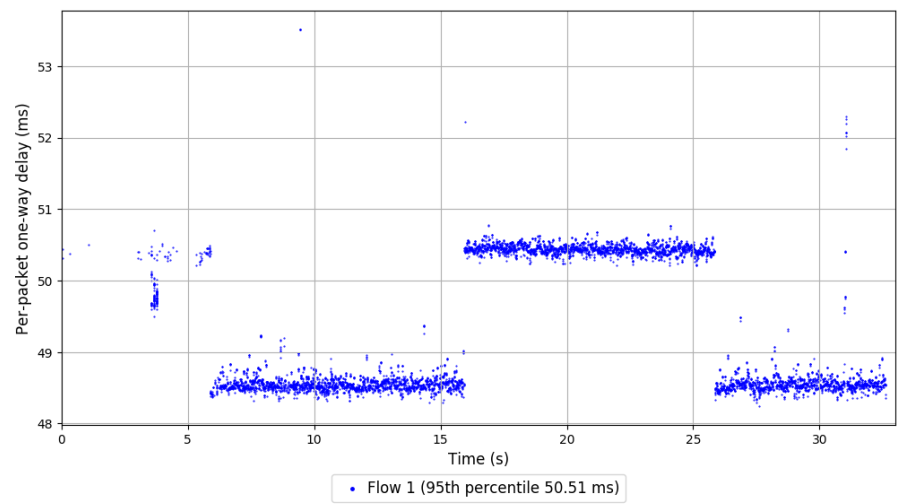
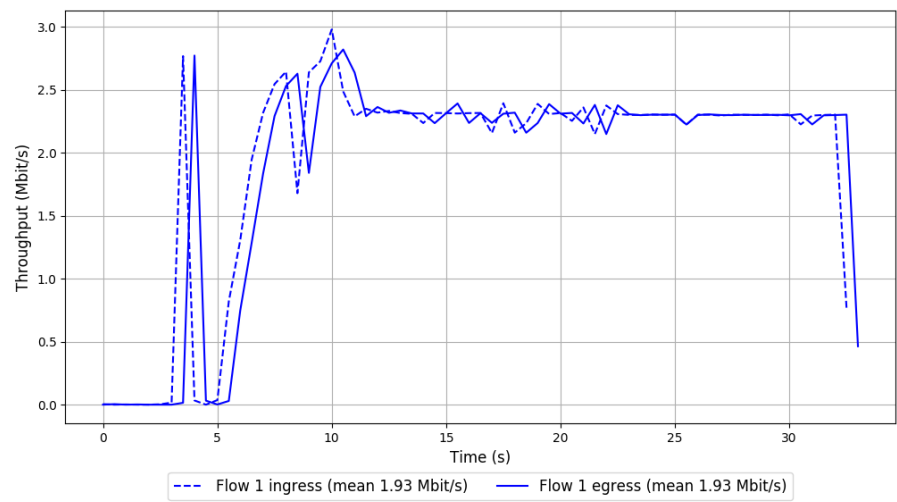


Run 3: Statistics of WebRTC media

Start at: 2018-07-12 11:53:45
End at: 2018-07-12 11:54:15
Local clock offset: -0.581 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.514 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.514 ms
Loss rate: 0.42%

Run 3: Report of WebRTC media — Data Link

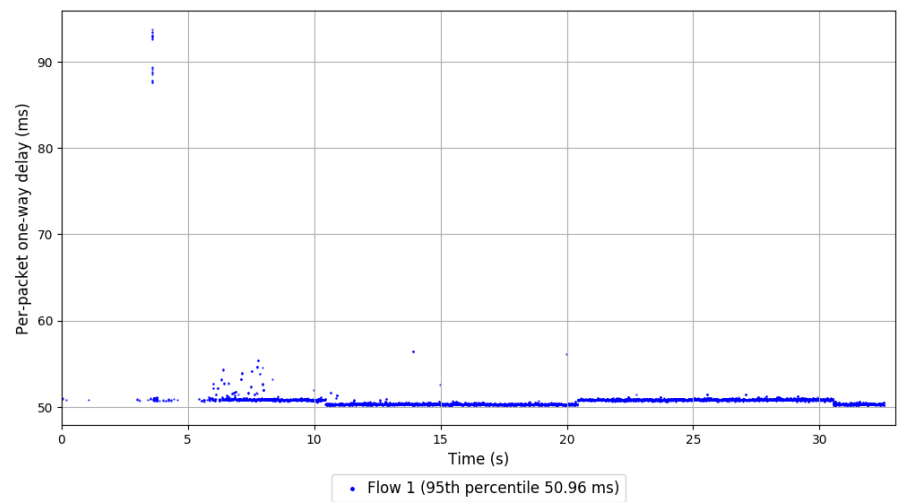
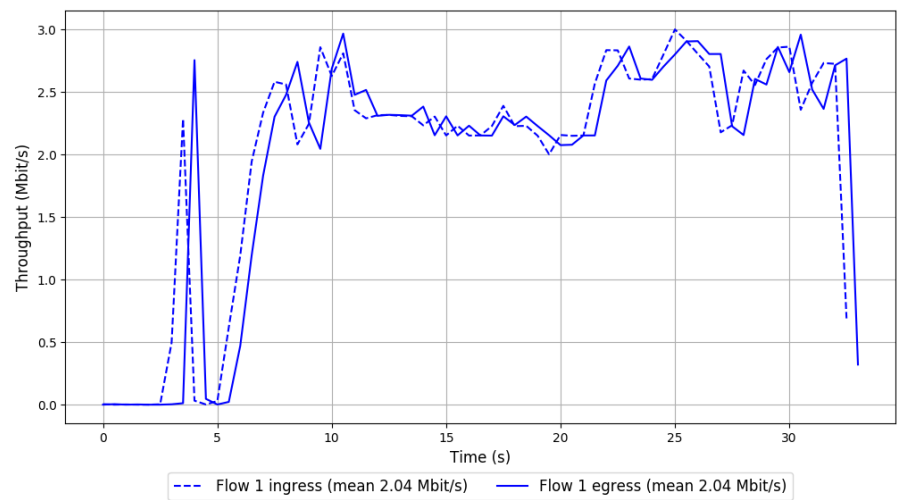


Run 4: Statistics of WebRTC media

Start at: 2018-07-12 12:15:41
End at: 2018-07-12 12:16:11
Local clock offset: -0.219 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 50.962 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 50.962 ms
Loss rate: 0.52%

Run 4: Report of WebRTC media — Data Link

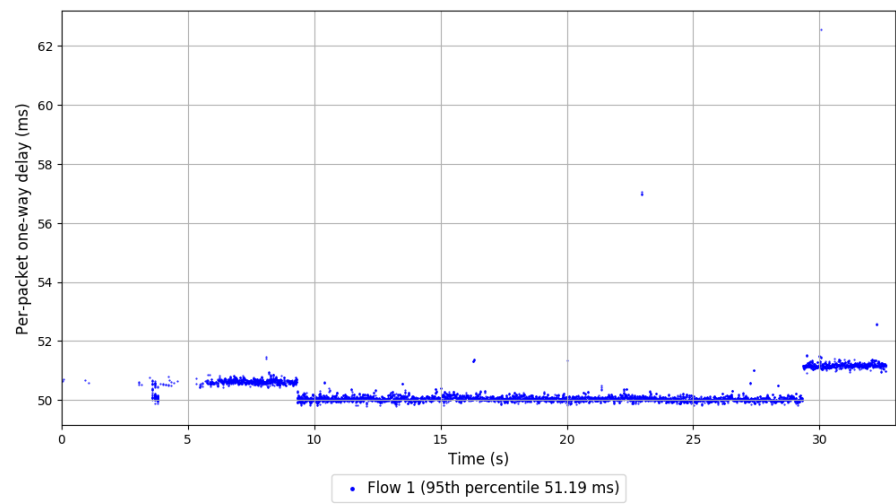
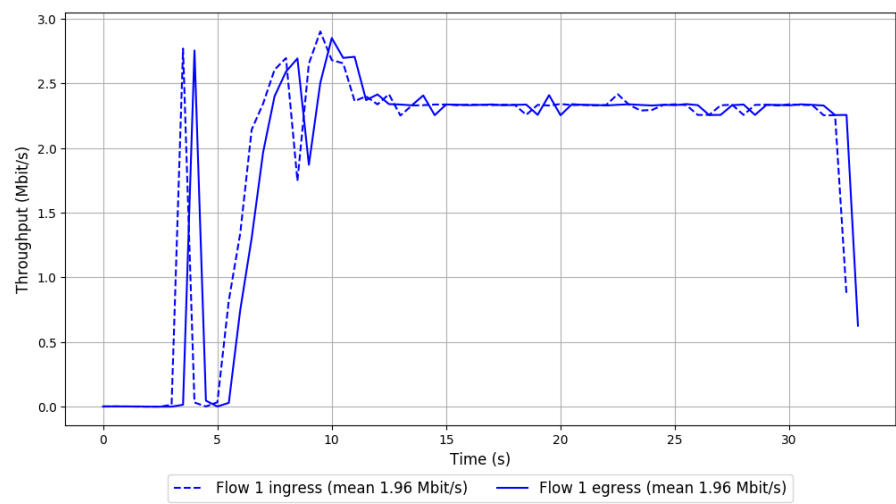


Run 5: Statistics of WebRTC media

Start at: 2018-07-12 12:37:32
End at: 2018-07-12 12:38:02
Local clock offset: 0.139 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.188 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.188 ms
Loss rate: 0.36%

Run 5: Report of WebRTC media — Data Link

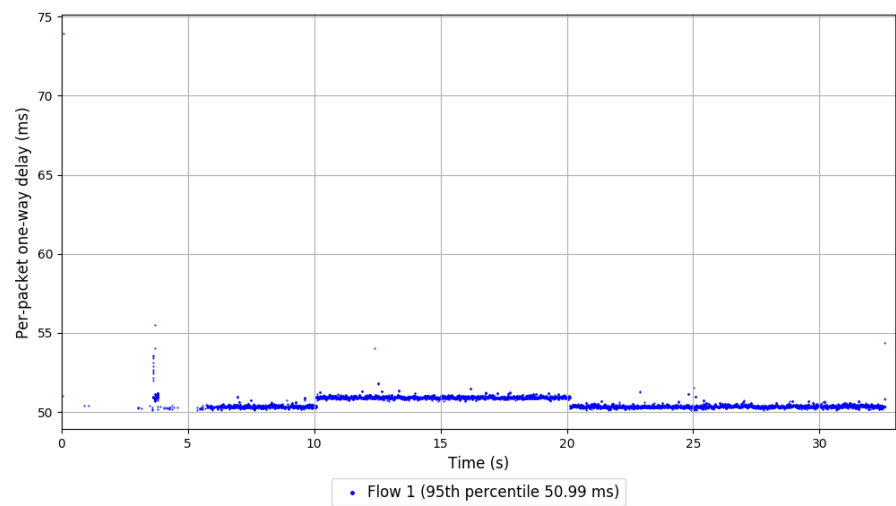
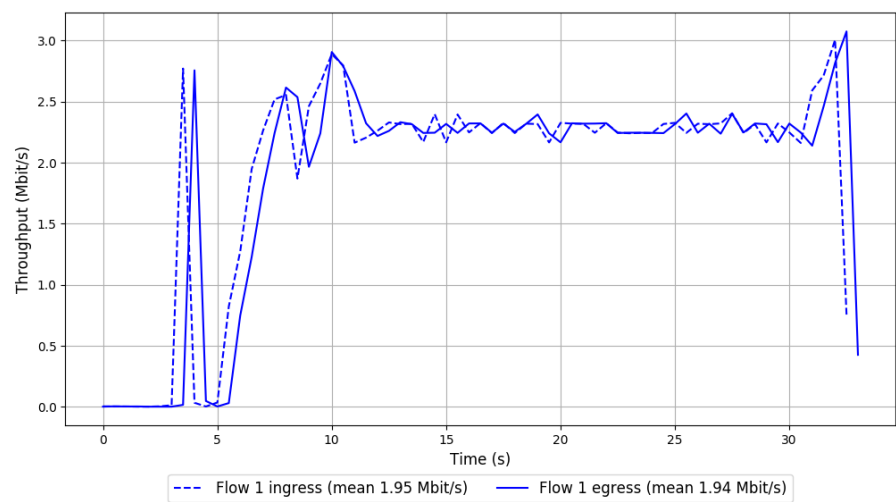


Run 6: Statistics of WebRTC media

Start at: 2018-07-12 12:59:01
End at: 2018-07-12 12:59:31
Local clock offset: -0.188 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.43%

Run 6: Report of WebRTC media — Data Link

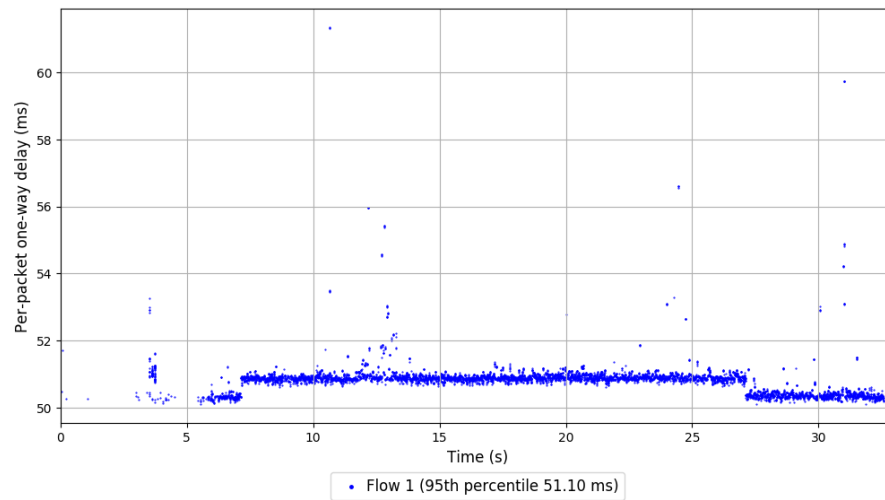
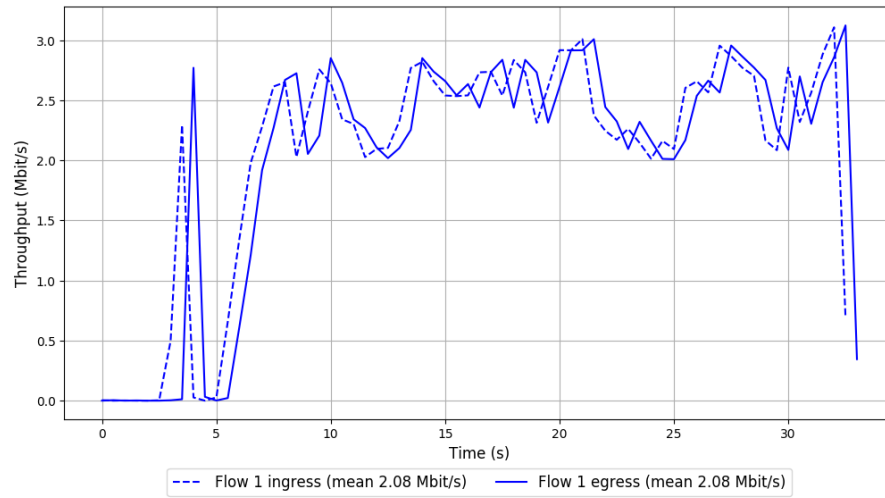


Run 7: Statistics of WebRTC media

Start at: 2018-07-12 13:20:44
End at: 2018-07-12 13:21:14
Local clock offset: -0.262 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.43%

Run 7: Report of WebRTC media — Data Link

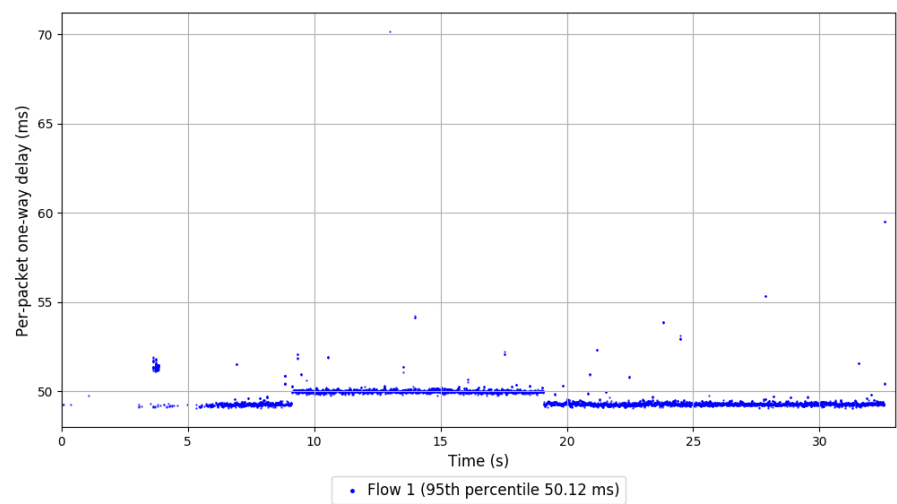
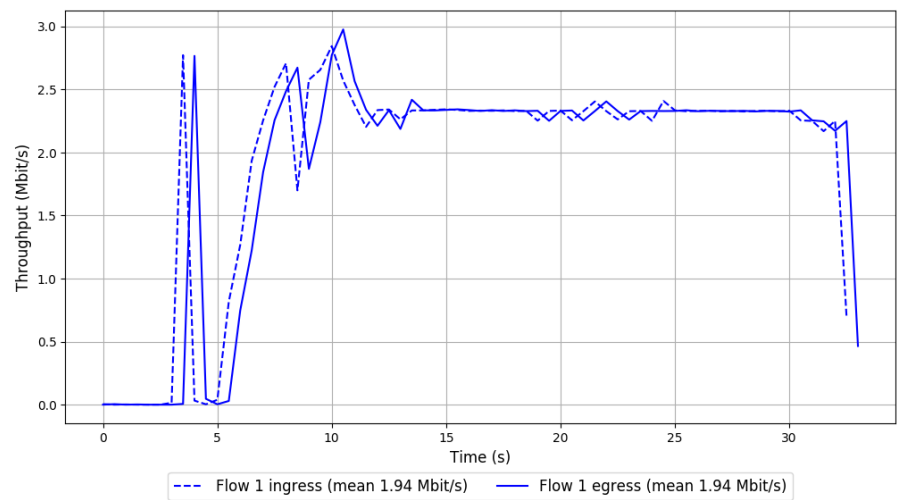


Run 8: Statistics of WebRTC media

Start at: 2018-07-12 13:42:22
End at: 2018-07-12 13:42:52
Local clock offset: 0.131 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-12 16:19:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.118 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.118 ms
Loss rate: 0.37%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-12 14:03:50

End at: 2018-07-12 14:04:20

Local clock offset: -0.598 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-12 16:19:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 54.100 ms

Loss rate: 0.38%

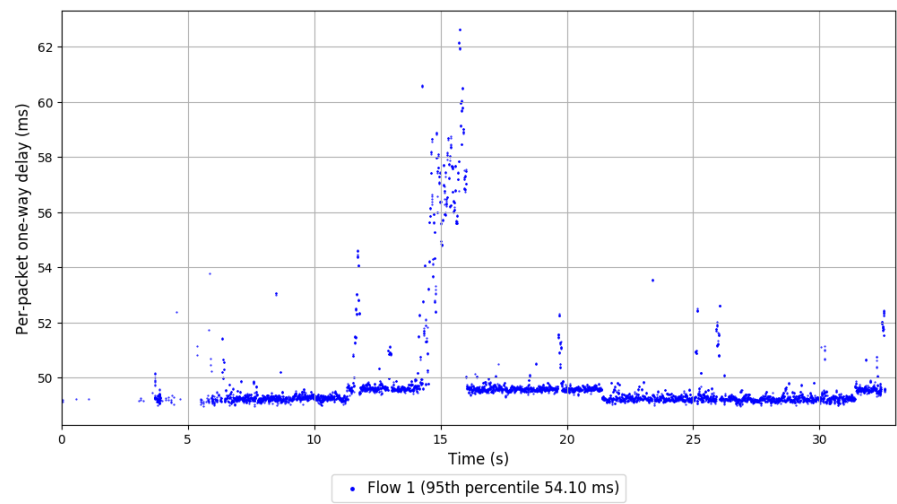
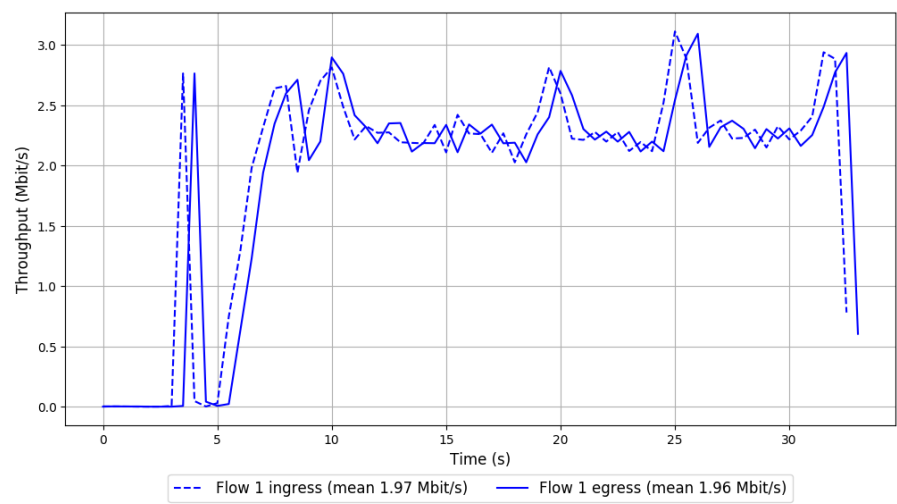
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 54.100 ms

Loss rate: 0.38%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-12 14:25:22

End at: 2018-07-12 14:25:52

Local clock offset: -0.593 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-12 16:19:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 49.477 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 49.477 ms

Loss rate: 0.32%

Run 10: Report of WebRTC media — Data Link

