

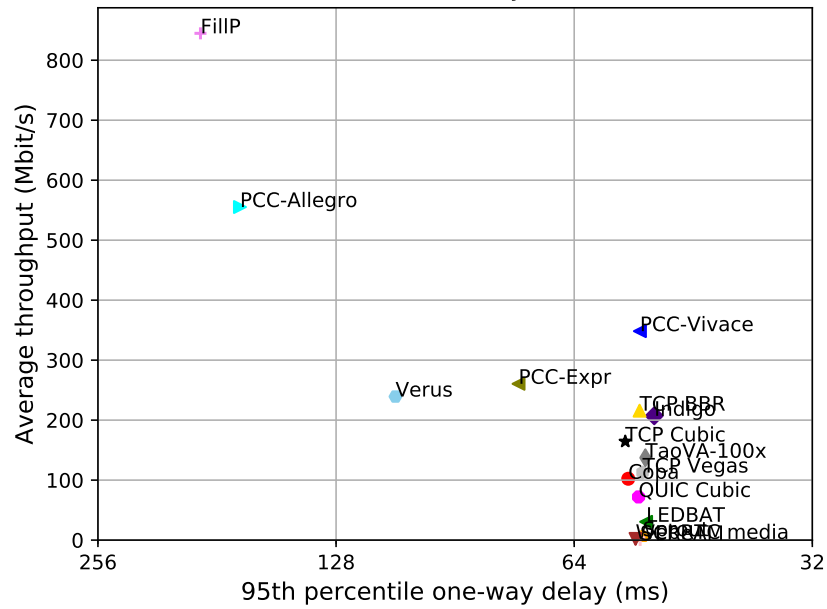
Pantheon Report

Generated at 2018-07-01 16:21:20 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

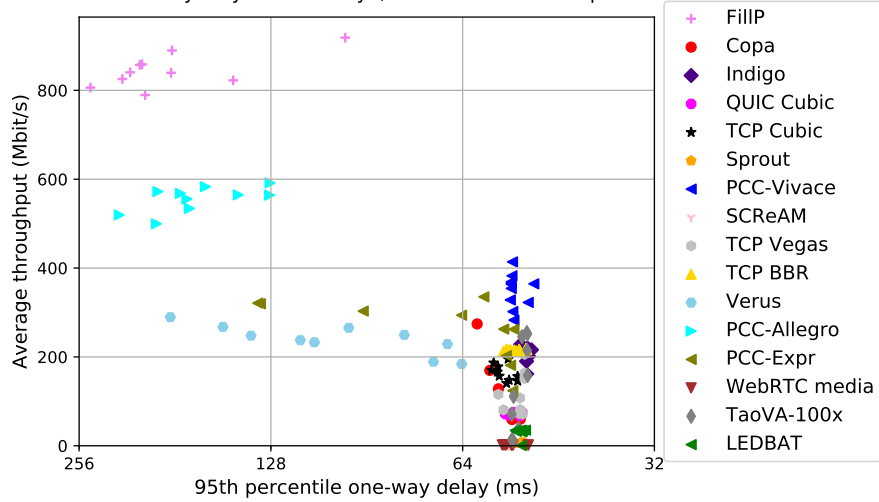
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	215.77	52.91	0.00
Copa	10	102.26	54.68	0.00
TCP Cubic	10	164.37	55.16	0.00
FillP	10	844.80	189.95	1.56
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	207.20	50.70	0.00
LEDBAT	10	30.51	51.92	0.00
PCC-Allegro	10	555.24	169.32	2.04
PCC-Expr	10	260.54	75.26	0.26
QUIC Cubic	7	71.98	53.07	0.00
SCReAM	10	0.21	52.82	0.00
Sprout	10	6.58	52.45	0.00
TaoVA-100x	10	137.28	52.03	0.00
TCP Vegas	10	112.66	52.45	0.00
Verus	10	239.30	107.68	0.17
PCC-Vivace	10	348.34	52.86	0.01
WebRTC media	10	1.97	53.54	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-07-01 11:27:29

End at: 2018-07-01 11:27:59

Local clock offset: 0.187 ms

Remote clock offset: 1.269 ms

Below is generated by plot.py at 2018-07-01 14:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.25 Mbit/s

95th percentile per-packet one-way delay: 52.677 ms

Loss rate: 0.00%

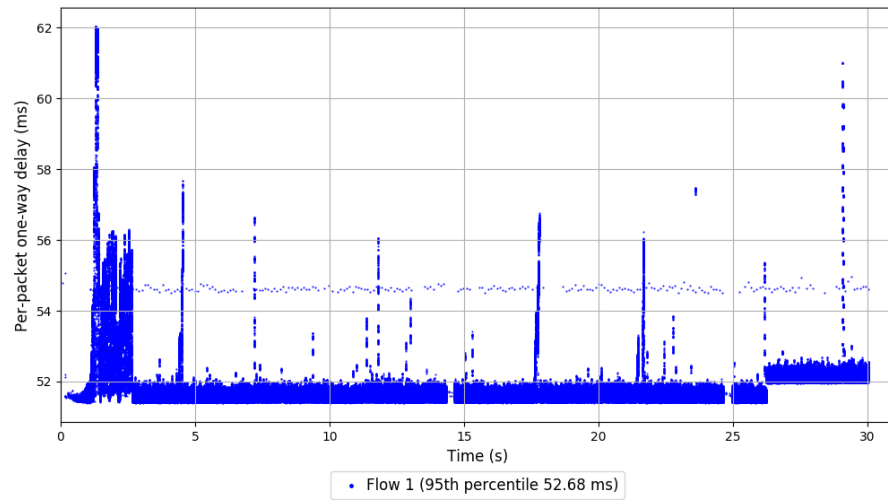
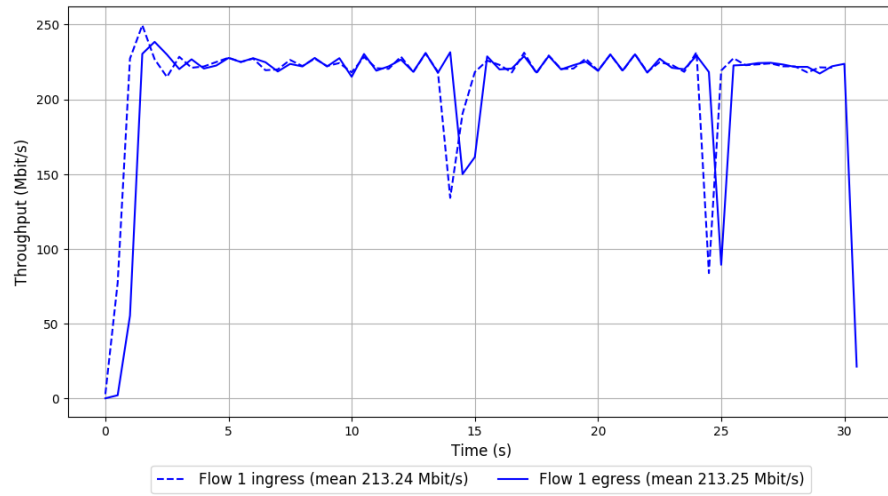
-- Flow 1:

Average throughput: 213.25 Mbit/s

95th percentile per-packet one-way delay: 52.677 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-01 11:49:09

End at: 2018-07-01 11:49:39

Local clock offset: 0.376 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-01 14:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.40 Mbit/s

95th percentile per-packet one-way delay: 53.047 ms

Loss rate: 0.00%

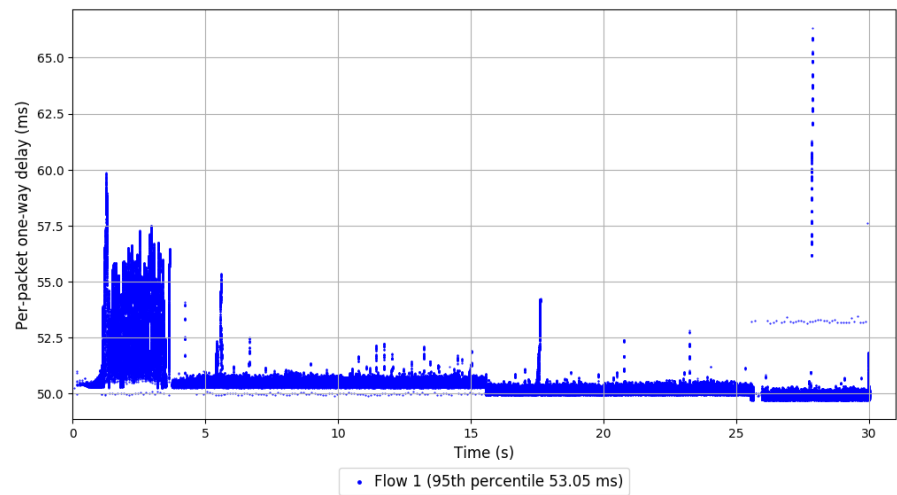
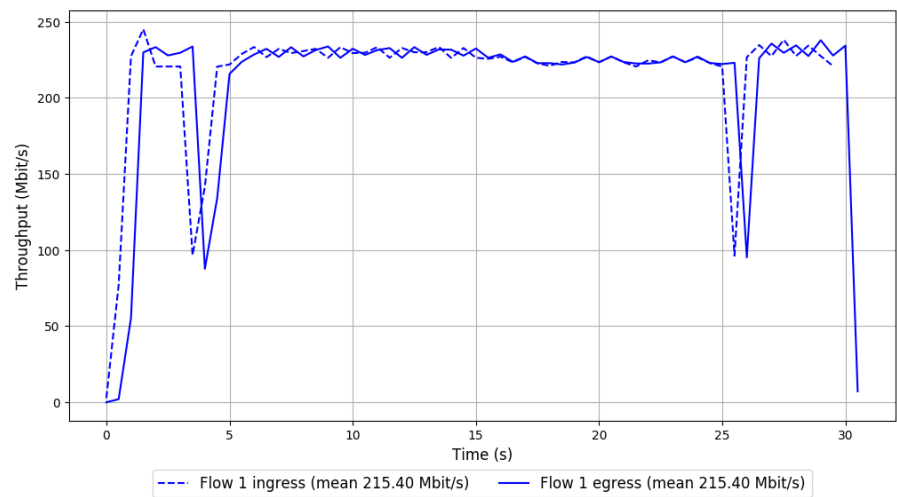
-- Flow 1:

Average throughput: 215.40 Mbit/s

95th percentile per-packet one-way delay: 53.047 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-01 12:10:59

End at: 2018-07-01 12:11:29

Local clock offset: 0.242 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-01 14:58:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.22 Mbit/s

95th percentile per-packet one-way delay: 50.919 ms

Loss rate: 0.00%

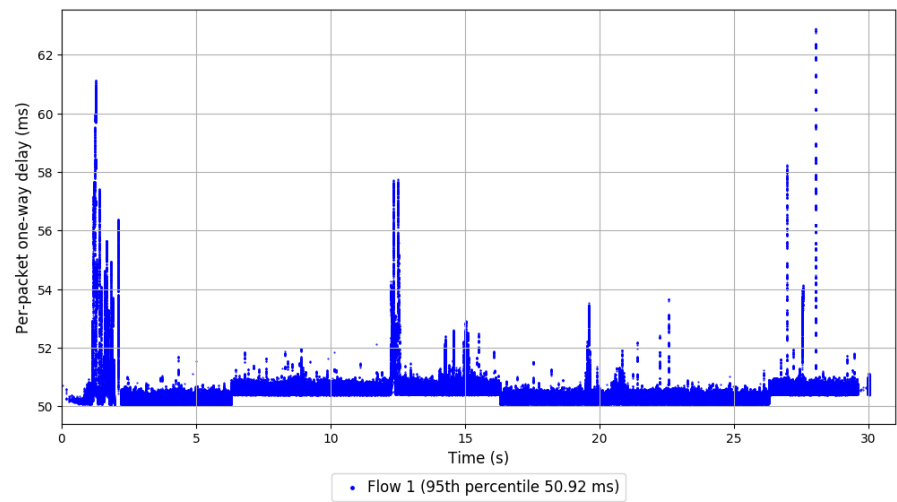
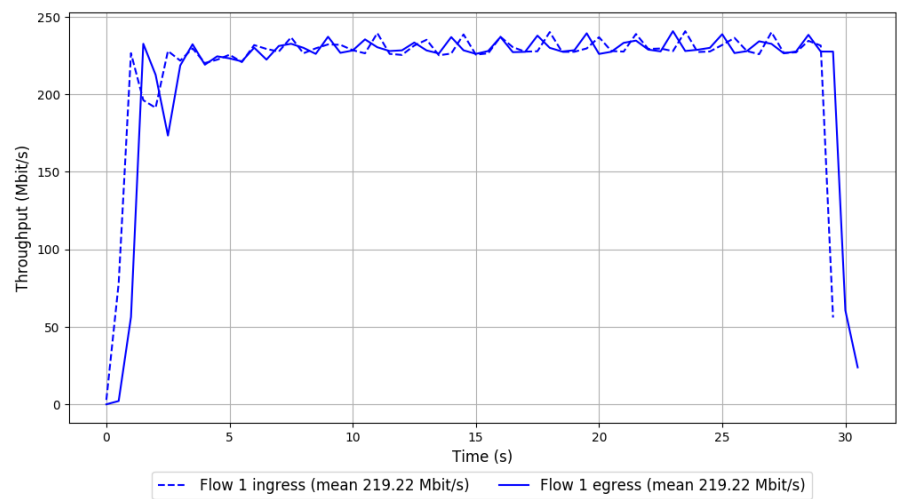
-- Flow 1:

Average throughput: 219.22 Mbit/s

95th percentile per-packet one-way delay: 50.919 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-01 12:32:30

End at: 2018-07-01 12:33:00

Local clock offset: -0.033 ms

Remote clock offset: 1.102 ms

Below is generated by plot.py at 2018-07-01 14:58:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.92 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.00%

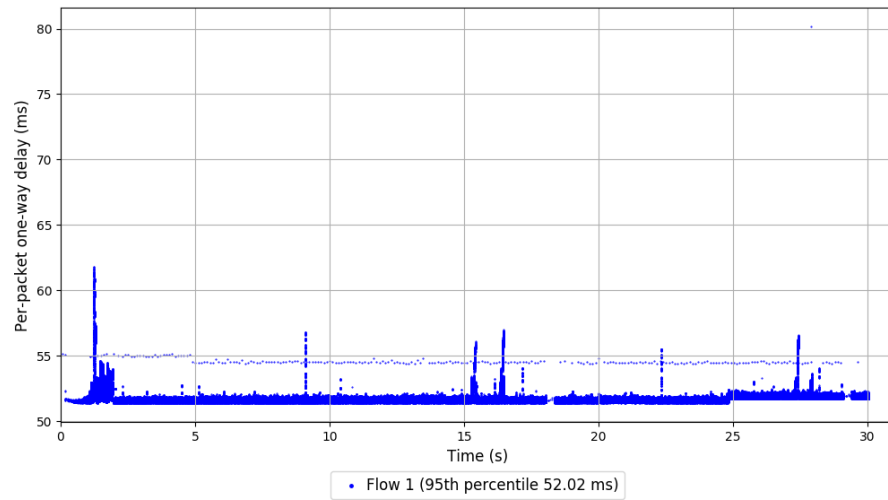
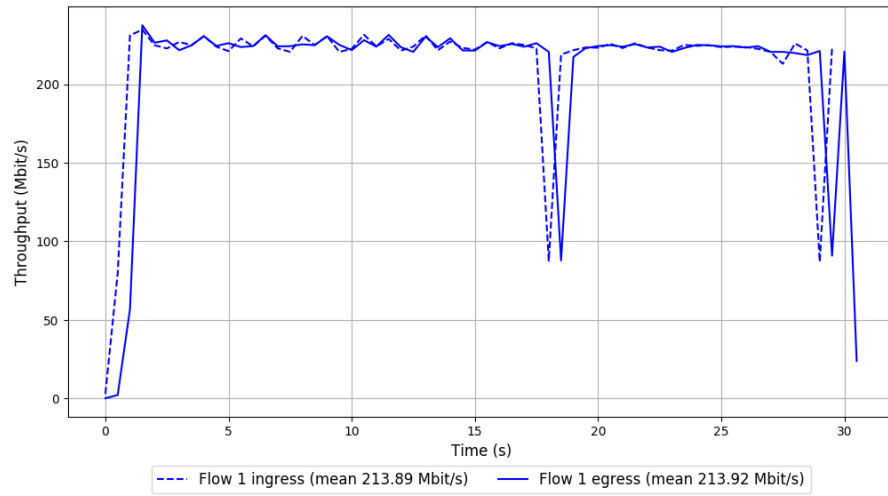
-- Flow 1:

Average throughput: 213.92 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-01 12:53:54

End at: 2018-07-01 12:54:24

Local clock offset: 0.041 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-01 14:58:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.57 Mbit/s

95th percentile per-packet one-way delay: 53.744 ms

Loss rate: 0.00%

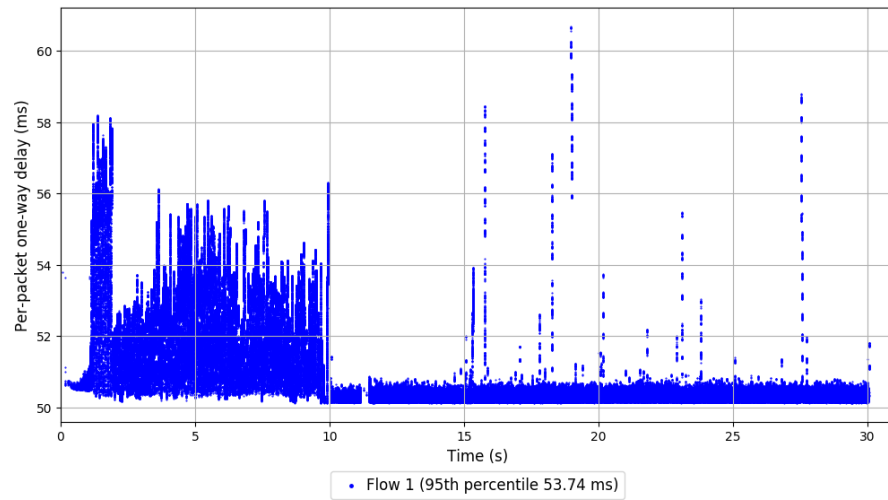
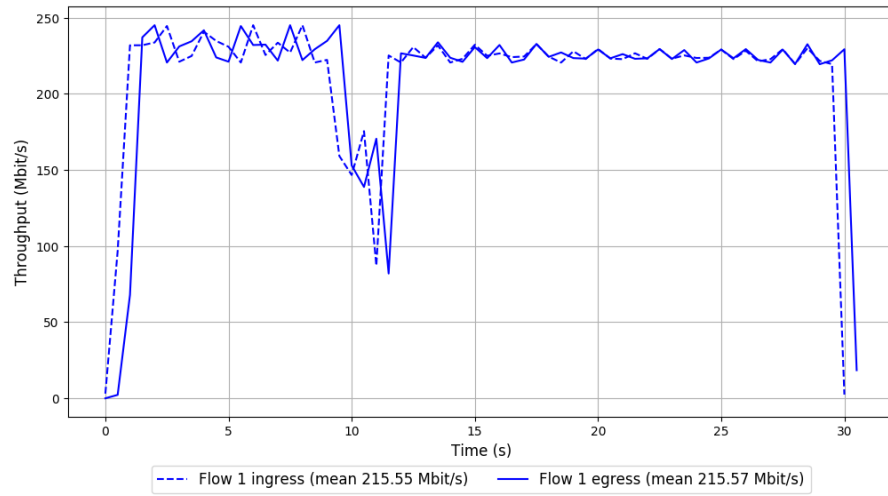
-- Flow 1:

Average throughput: 215.57 Mbit/s

95th percentile per-packet one-way delay: 53.744 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-01 13:15:32

End at: 2018-07-01 13:16:02

Local clock offset: 0.096 ms

Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-01 14:58:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 52.171 ms

Loss rate: 0.00%

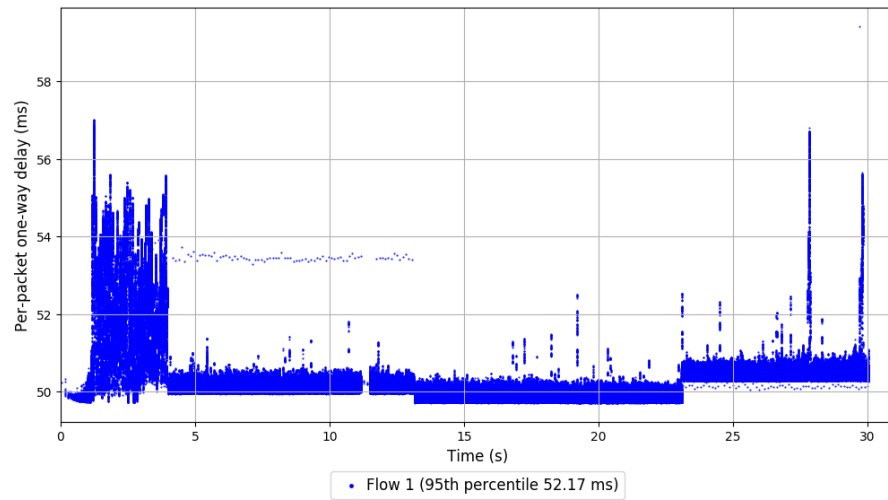
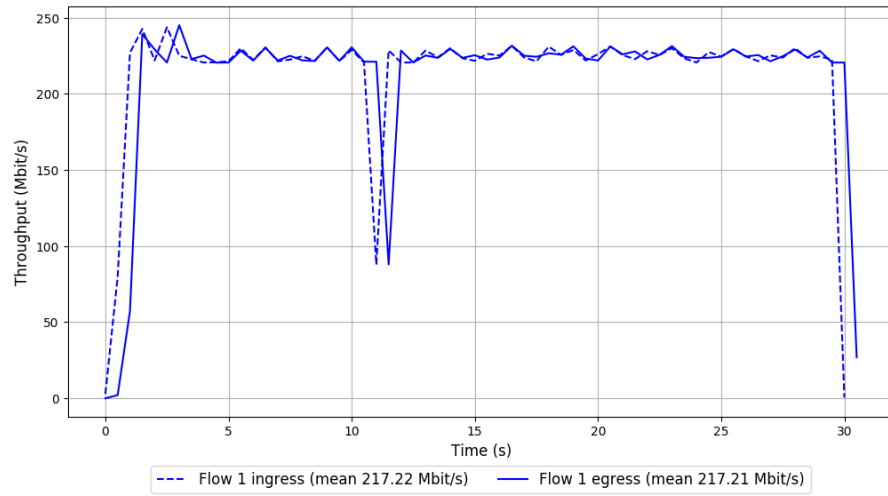
-- Flow 1:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 52.171 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

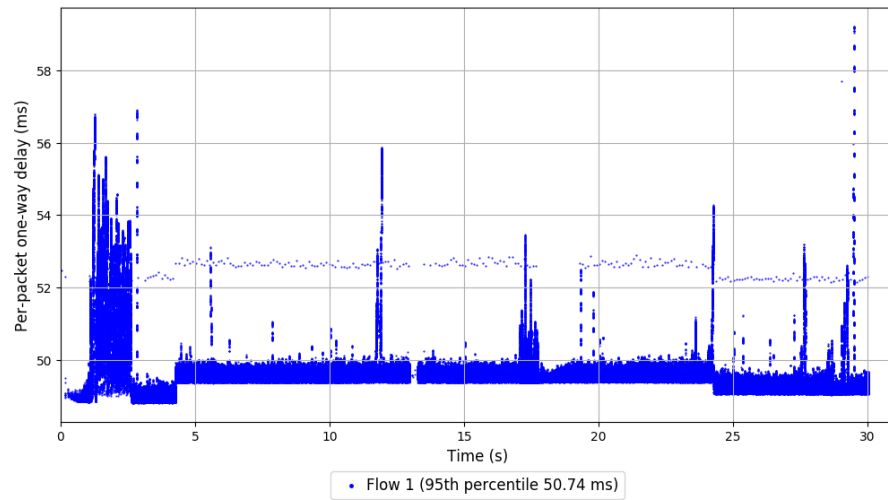
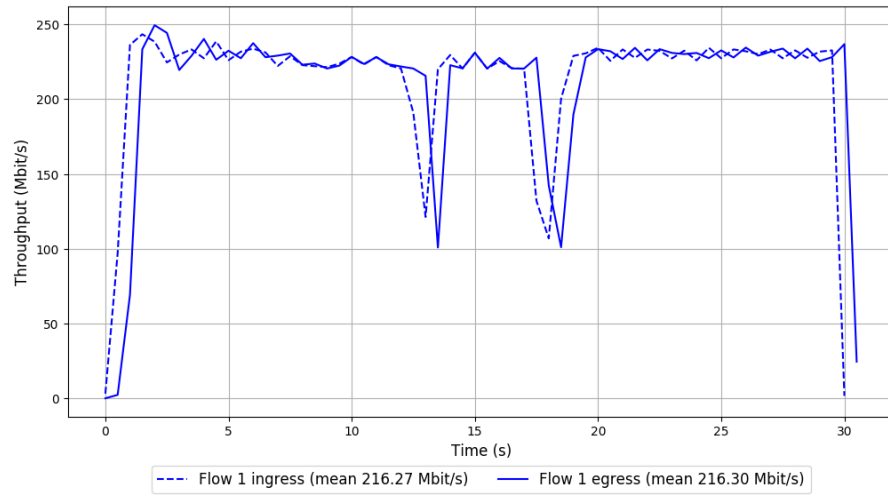


Run 7: Statistics of TCP BBR

Start at: 2018-07-01 13:37:01
End at: 2018-07-01 13:37:31
Local clock offset: 0.09 ms
Remote clock offset: -1.109 ms

Below is generated by plot.py at 2018-07-01 14:58:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.30 Mbit/s
95th percentile per-packet one-way delay: 50.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.30 Mbit/s
95th percentile per-packet one-way delay: 50.742 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-01 13:58:16

End at: 2018-07-01 13:58:46

Local clock offset: -0.078 ms

Remote clock offset: 1.339 ms

Below is generated by plot.py at 2018-07-01 14:58:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.97 Mbit/s

95th percentile per-packet one-way delay: 55.193 ms

Loss rate: 0.00%

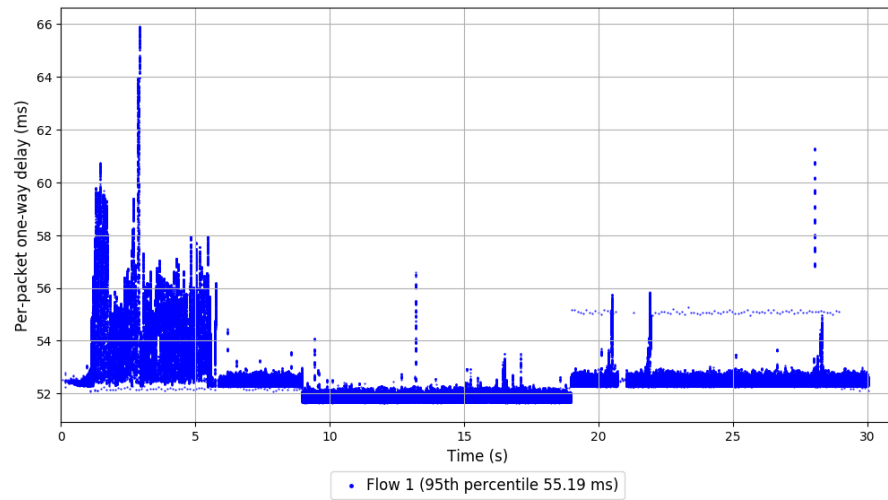
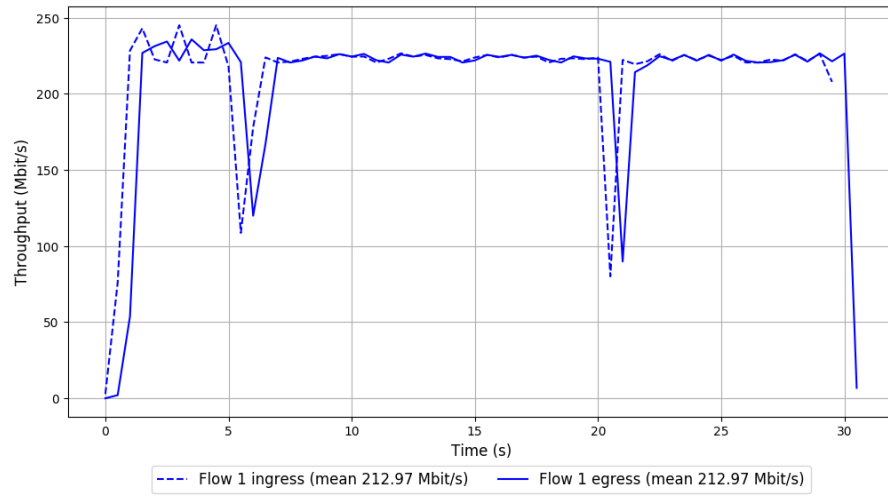
-- Flow 1:

Average throughput: 212.97 Mbit/s

95th percentile per-packet one-way delay: 55.193 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-01 14:19:34

End at: 2018-07-01 14:20:04

Local clock offset: 0.128 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-01 15:02:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.76 Mbit/s

95th percentile per-packet one-way delay: 54.593 ms

Loss rate: 0.00%

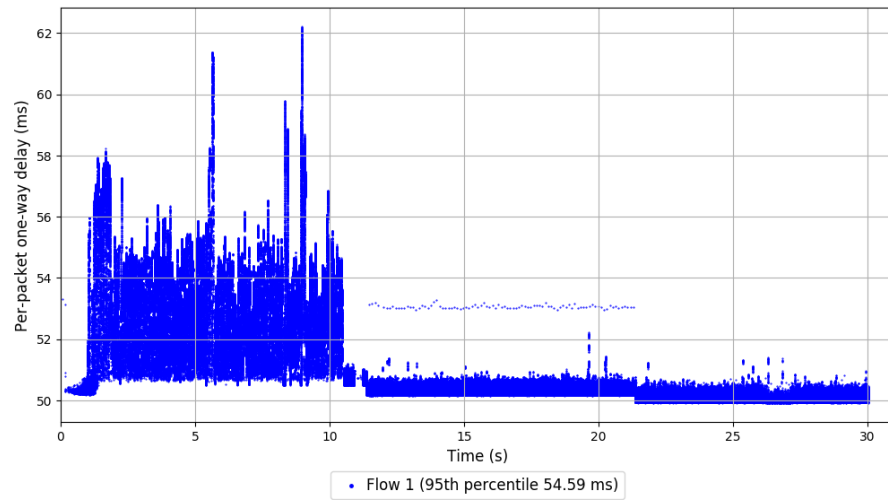
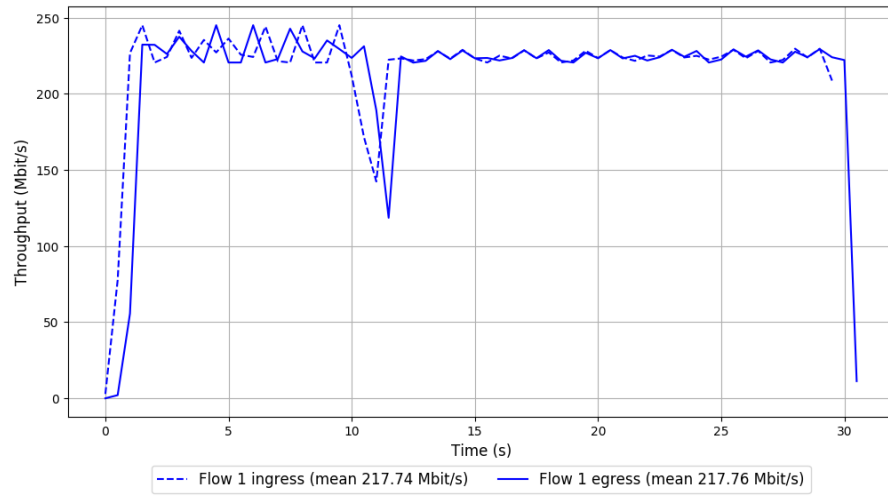
-- Flow 1:

Average throughput: 217.76 Mbit/s

95th percentile per-packet one-way delay: 54.593 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

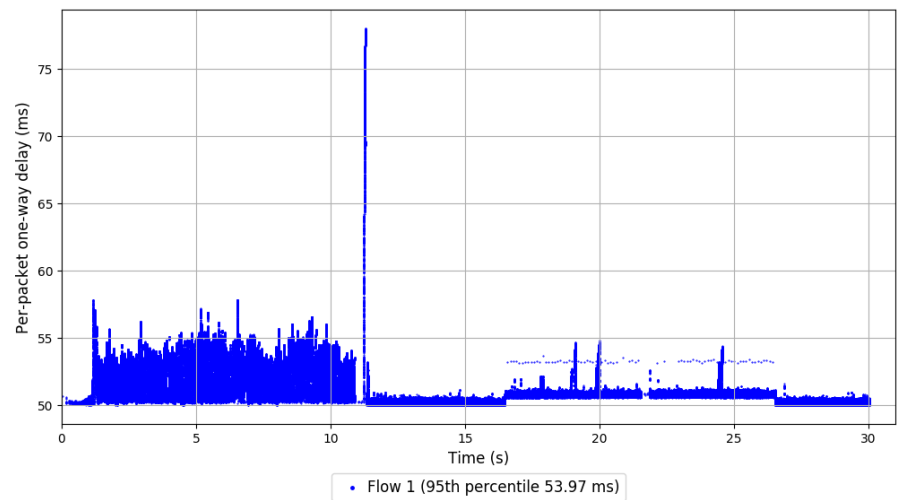
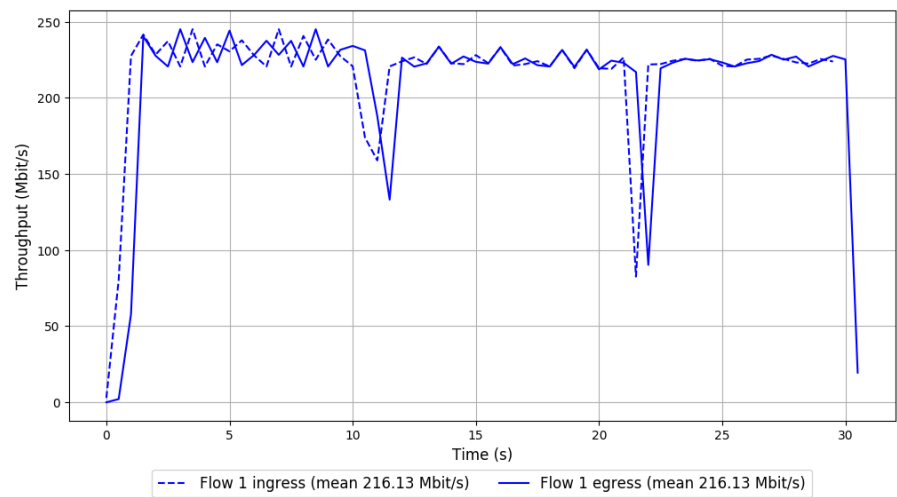


Run 10: Statistics of TCP BBR

Start at: 2018-07-01 14:41:09
End at: 2018-07-01 14:41:39
Local clock offset: -0.186 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-01 15:02:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.13 Mbit/s
95th percentile per-packet one-way delay: 53.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.13 Mbit/s
95th percentile per-packet one-way delay: 53.968 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

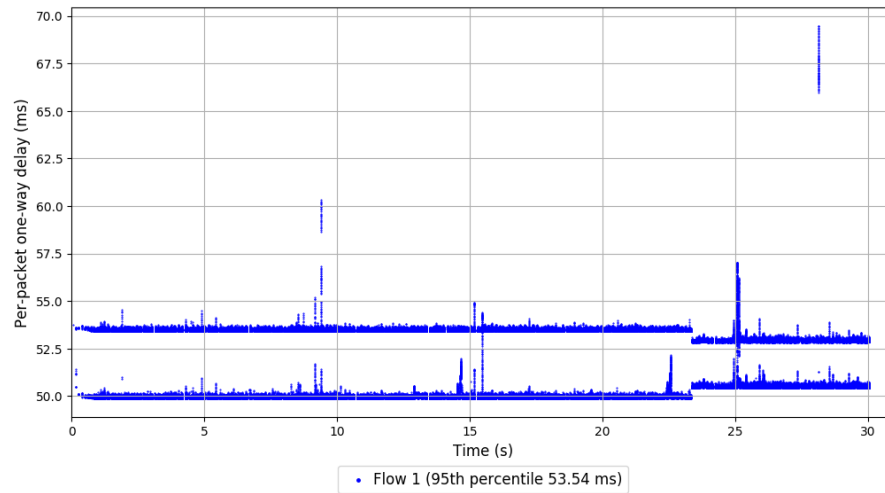
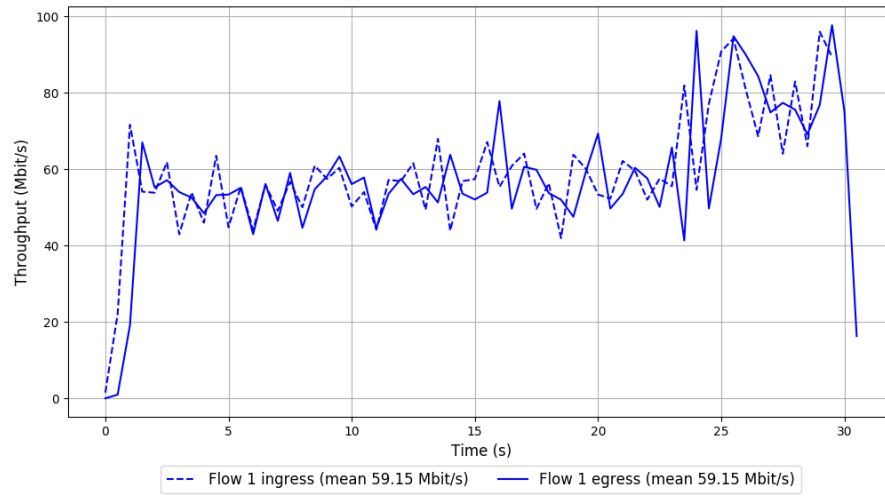


Run 1: Statistics of Copa

Start at: 2018-07-01 11:22:52
End at: 2018-07-01 11:23:22
Local clock offset: 0.279 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-01 15:02:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 53.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 53.544 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

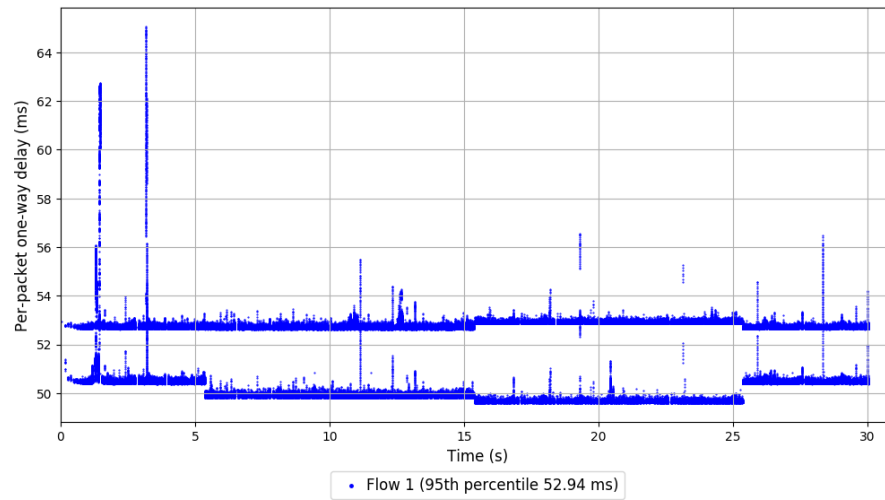
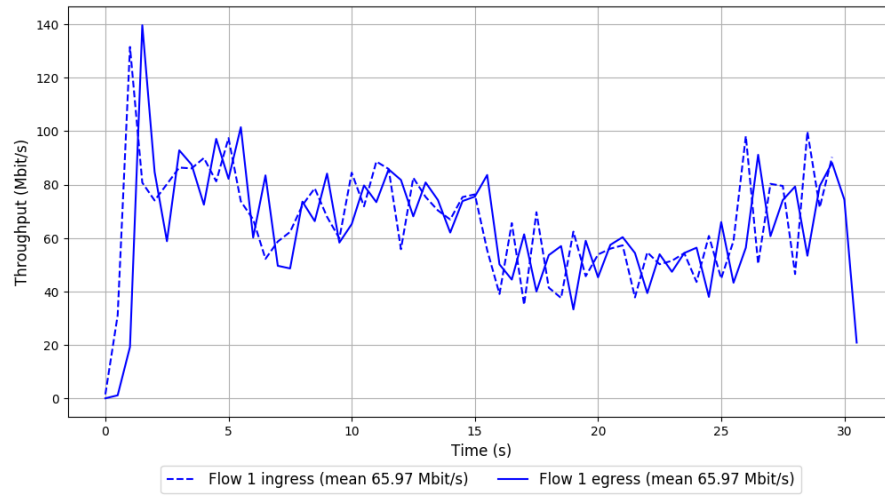


Run 2: Statistics of Copa

Start at: 2018-07-01 11:44:30
End at: 2018-07-01 11:45:00
Local clock offset: 0.142 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-01 15:02:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 52.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 52.939 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

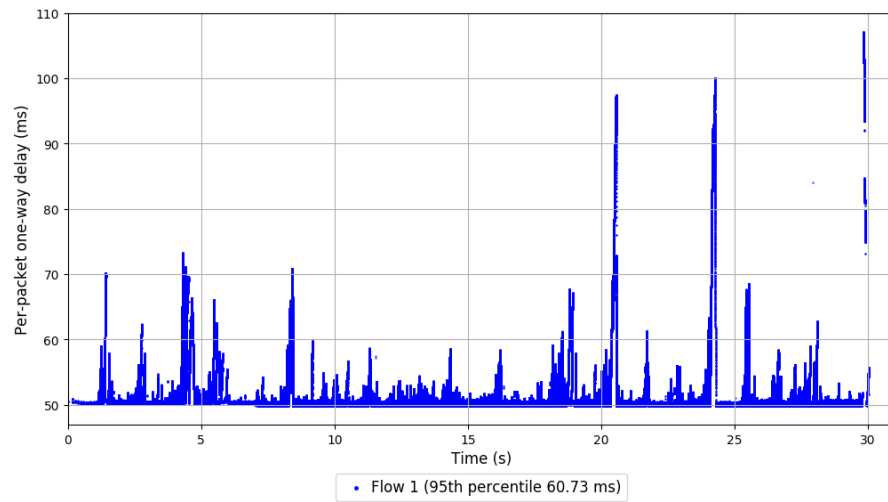
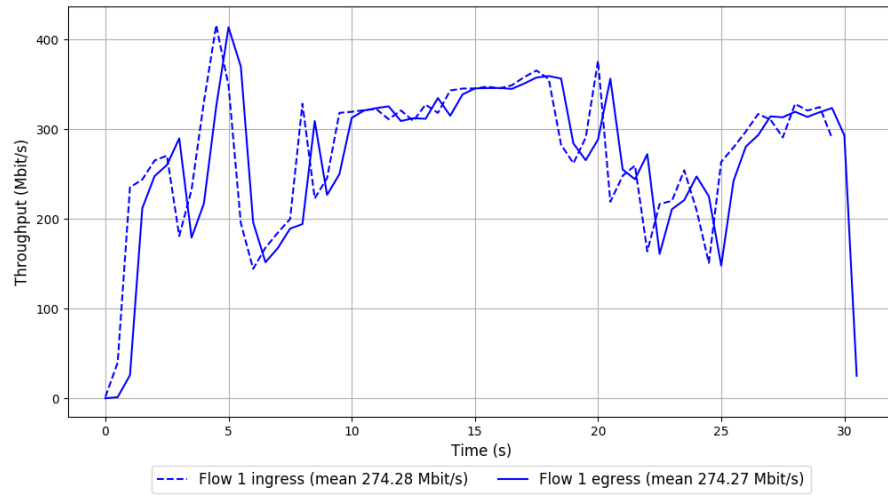


Run 3: Statistics of Copa

Start at: 2018-07-01 12:05:58
End at: 2018-07-01 12:06:28
Local clock offset: 0.143 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.27 Mbit/s
95th percentile per-packet one-way delay: 60.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 274.27 Mbit/s
95th percentile per-packet one-way delay: 60.730 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-01 12:27:49

End at: 2018-07-01 12:28:19

Local clock offset: -0.068 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

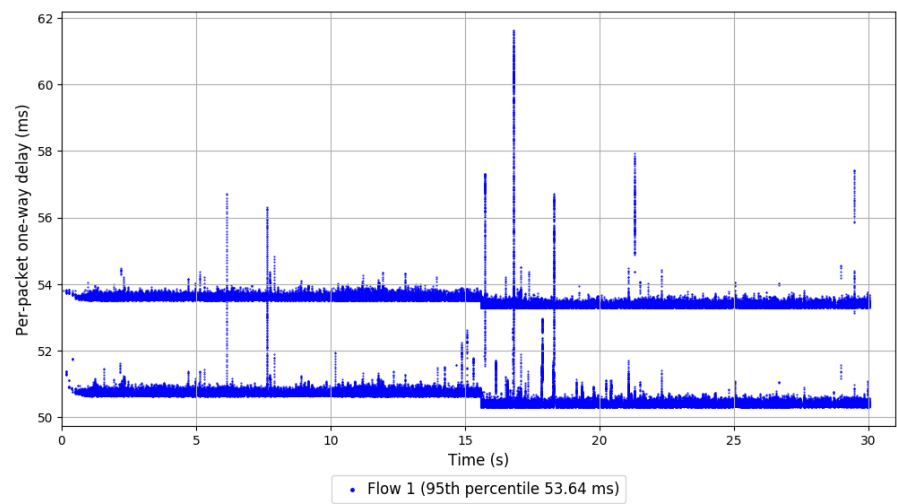
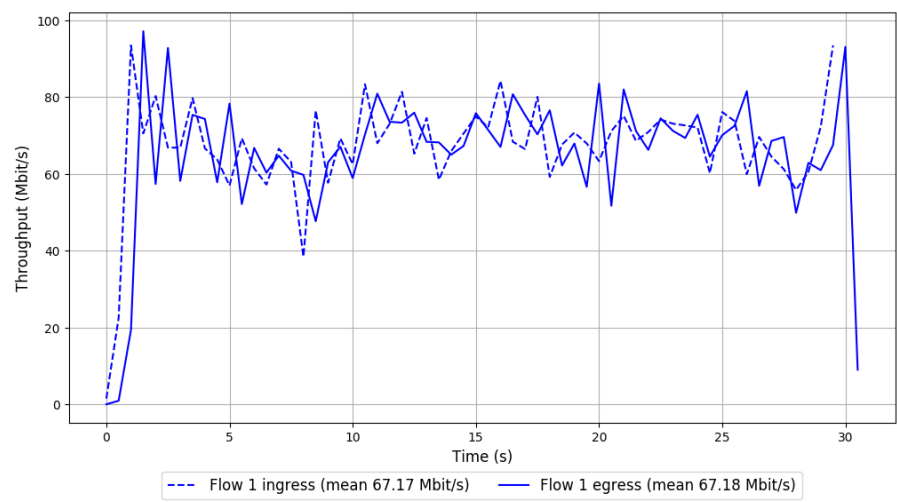
-- Flow 1:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

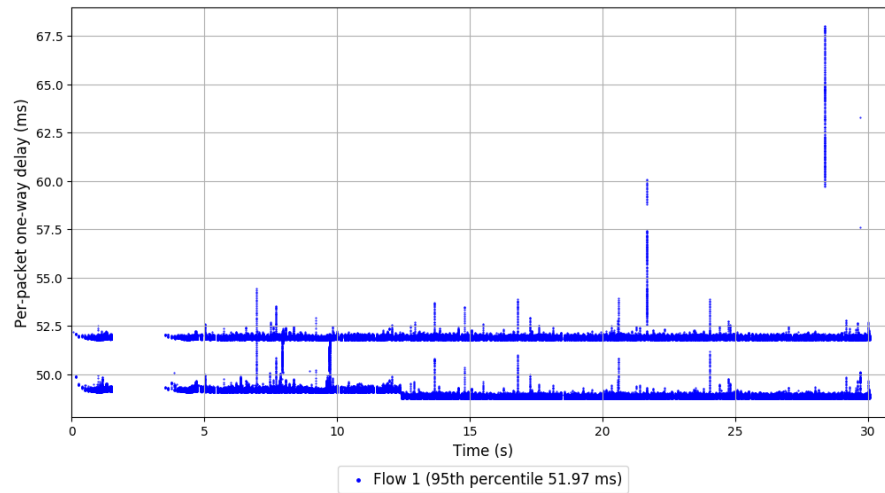
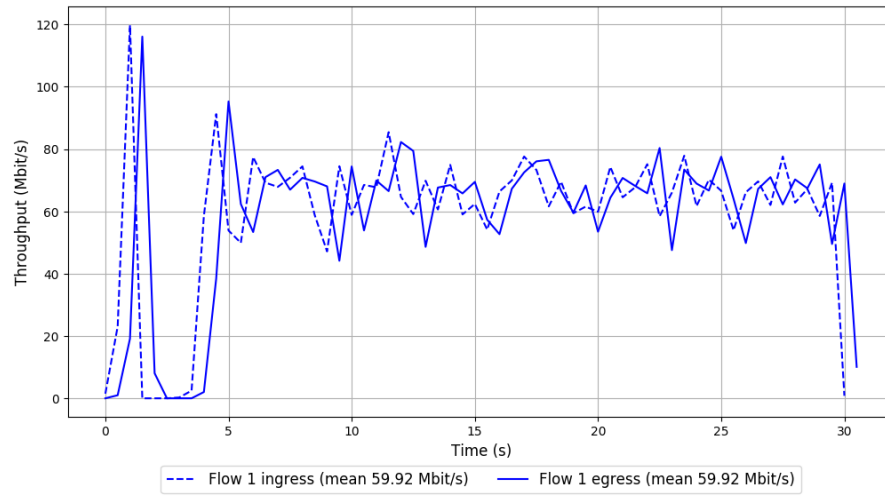


Run 5: Statistics of Copa

Start at: 2018-07-01 12:49:13
End at: 2018-07-01 12:49:43
Local clock offset: 0.108 ms
Remote clock offset: -1.332 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 51.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 51.966 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-01 13:10:53

End at: 2018-07-01 13:11:23

Local clock offset: 0.339 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.15 Mbit/s

95th percentile per-packet one-way delay: 53.244 ms

Loss rate: 0.00%

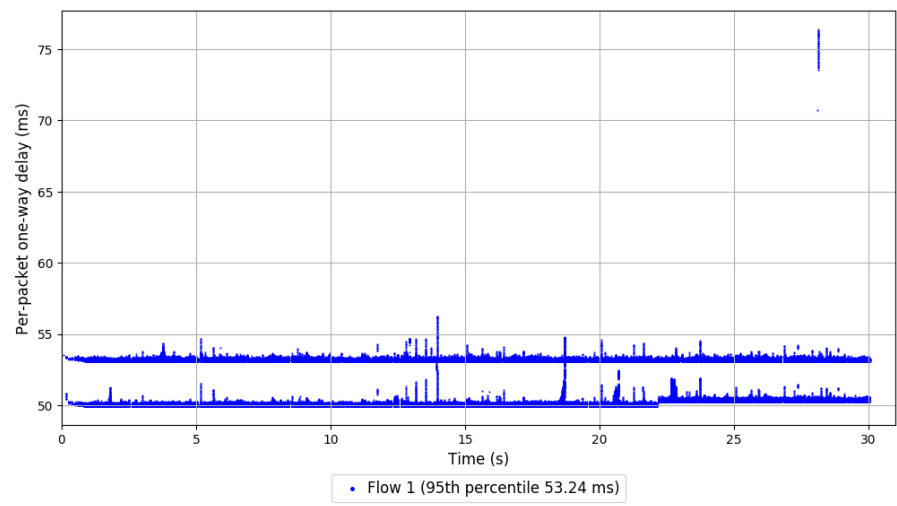
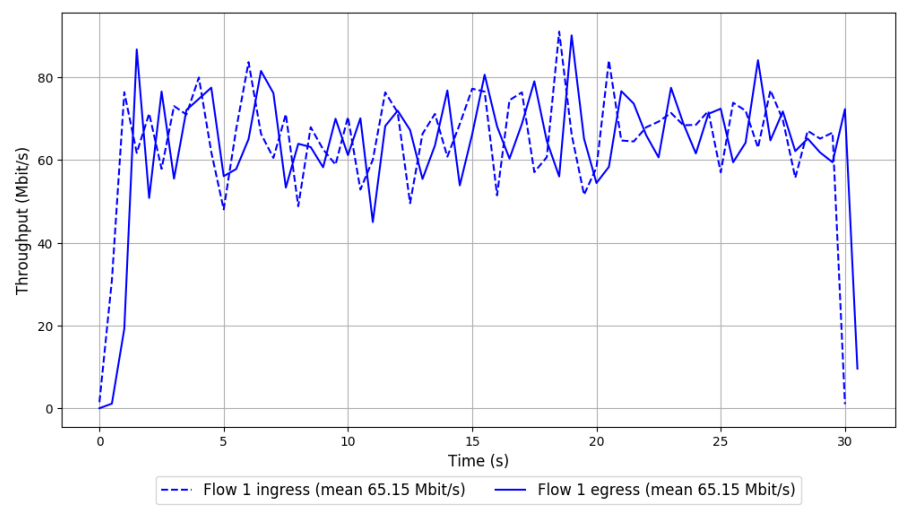
-- Flow 1:

Average throughput: 65.15 Mbit/s

95th percentile per-packet one-way delay: 53.244 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

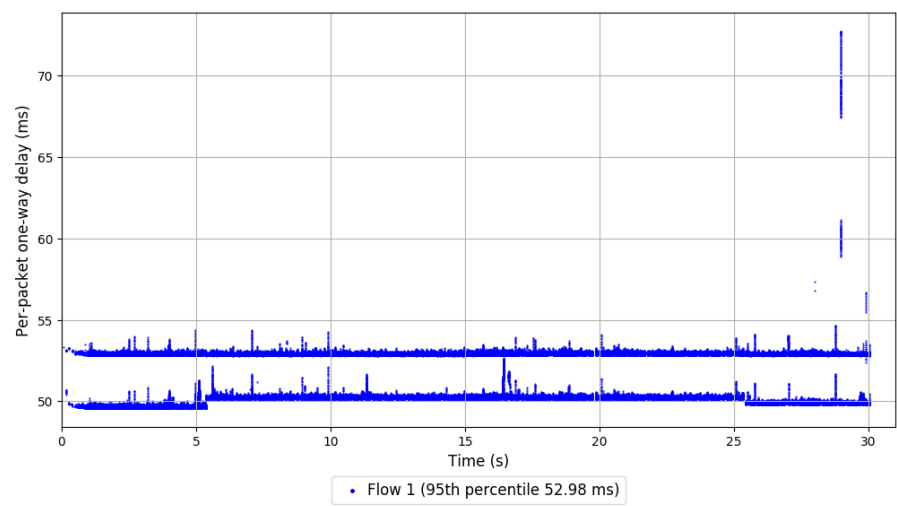
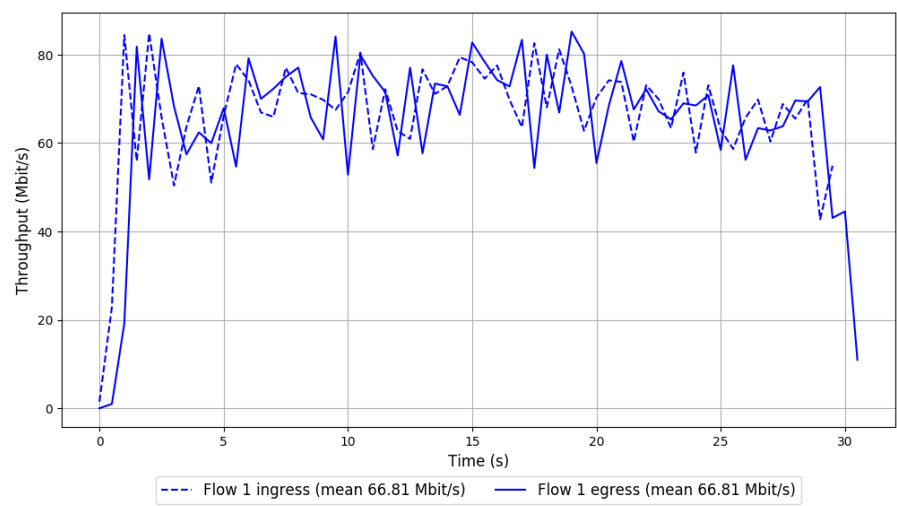


Run 7: Statistics of Copa

Start at: 2018-07-01 13:32:20
End at: 2018-07-01 13:32:50
Local clock offset: 0.054 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 52.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 52.983 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-01 13:53:36

End at: 2018-07-01 13:54:06

Local clock offset: 0.144 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.30 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

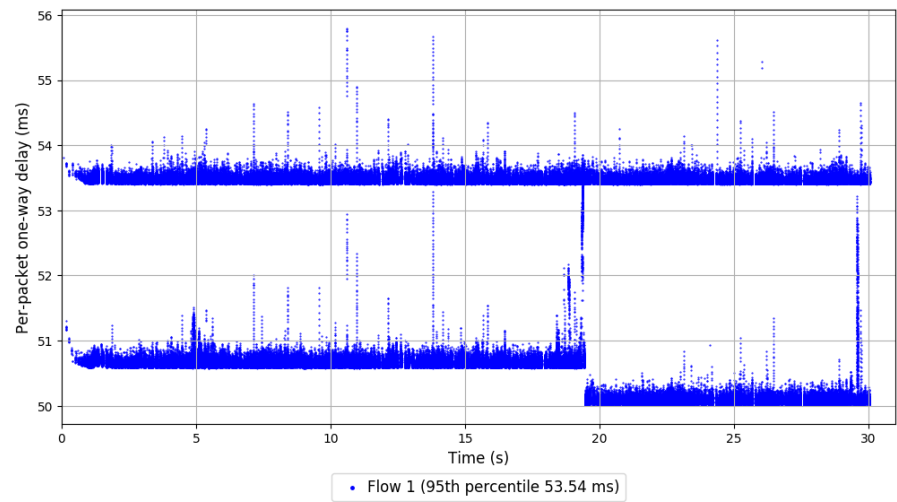
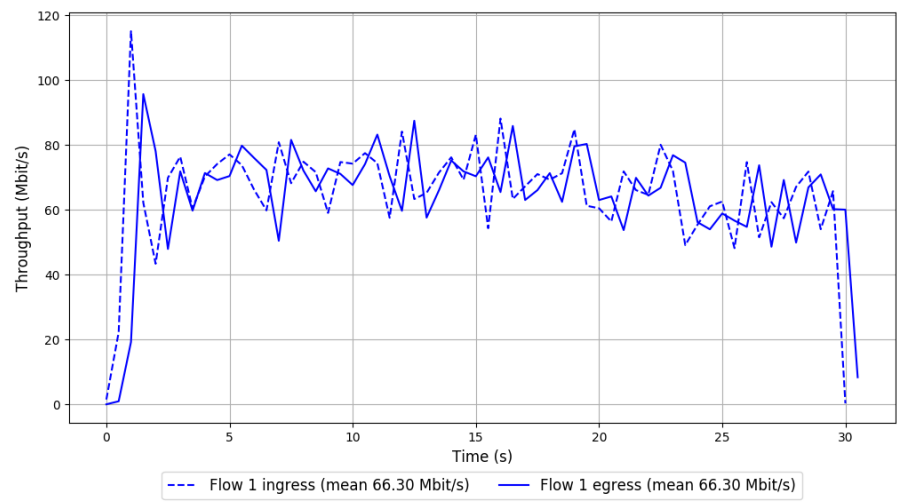
-- Flow 1:

Average throughput: 66.30 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-01 14:14:47

End at: 2018-07-01 14:15:17

Local clock offset: 0.274 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.18 Mbit/s

95th percentile per-packet one-way delay: 56.230 ms

Loss rate: 0.00%

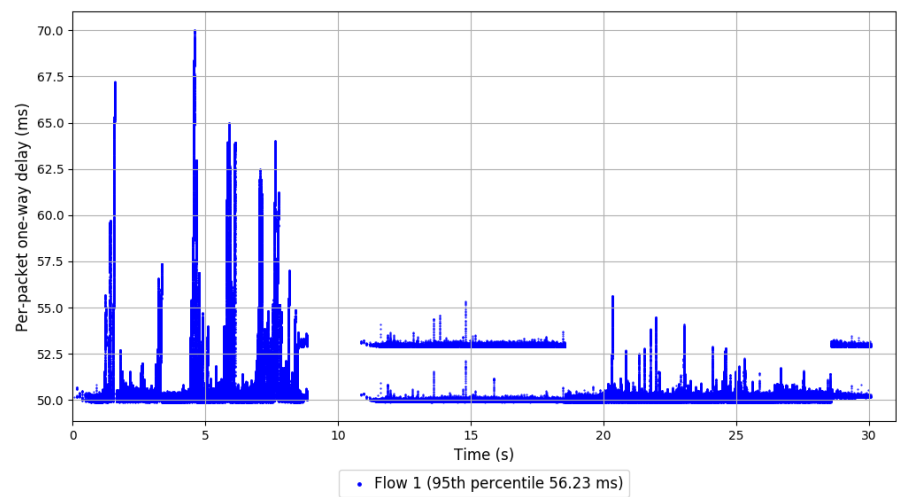
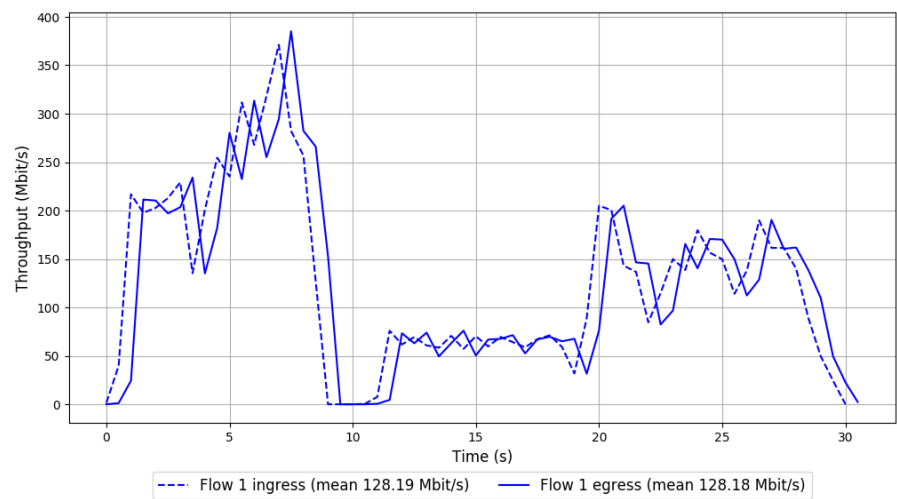
-- Flow 1:

Average throughput: 128.18 Mbit/s

95th percentile per-packet one-way delay: 56.230 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-01 14:36:19

End at: 2018-07-01 14:36:49

Local clock offset: 0.114 ms

Remote clock offset: 1.204 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 58.014 ms

Loss rate: 0.00%

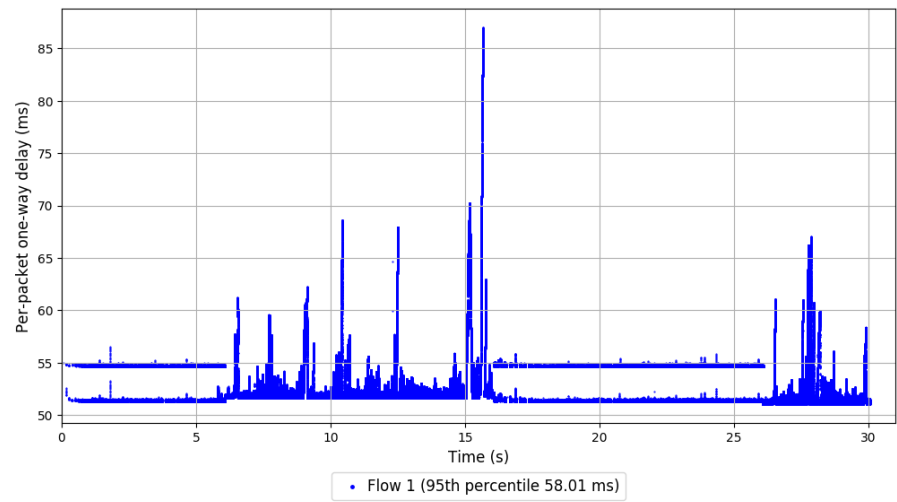
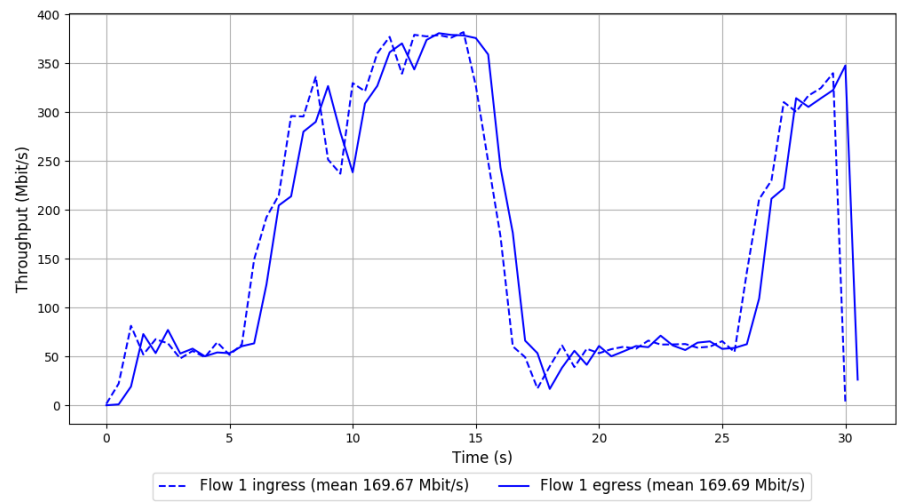
-- Flow 1:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 58.014 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-01 11:12:53

End at: 2018-07-01 11:13:23

Local clock offset: -0.001 ms

Remote clock offset: 1.212 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.06 Mbit/s

95th percentile per-packet one-way delay: 56.065 ms

Loss rate: 0.00%

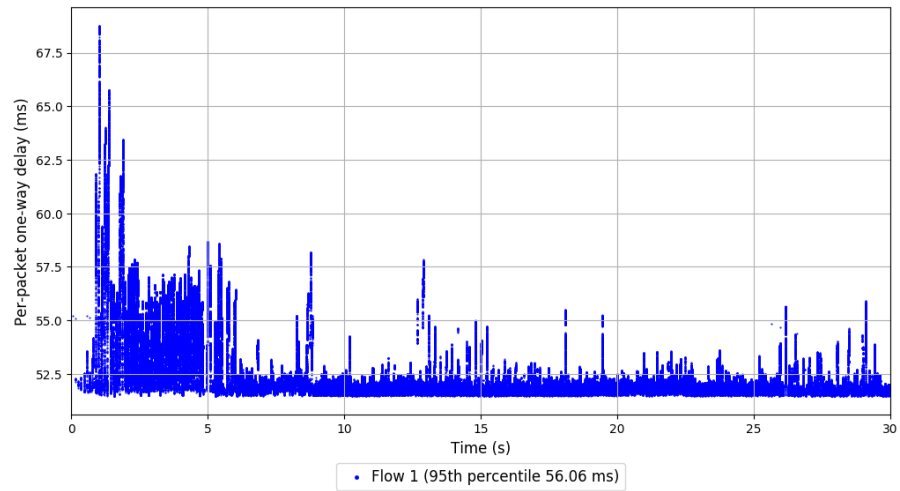
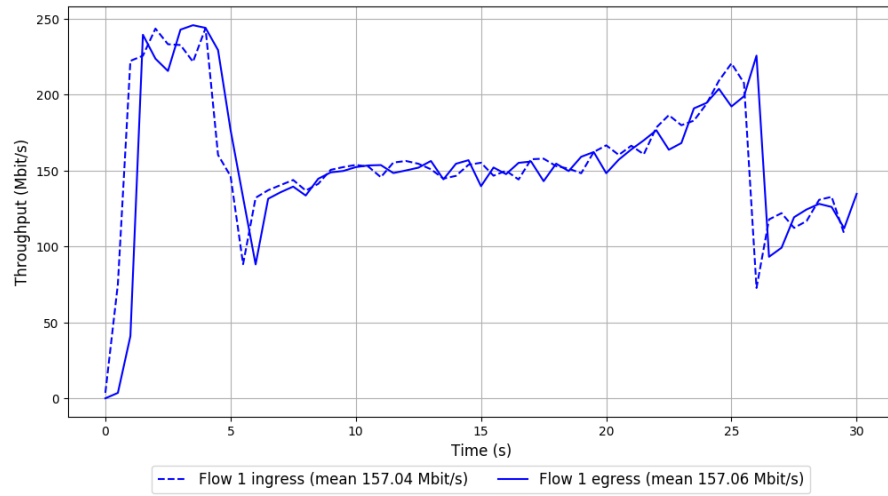
-- Flow 1:

Average throughput: 157.06 Mbit/s

95th percentile per-packet one-way delay: 56.065 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

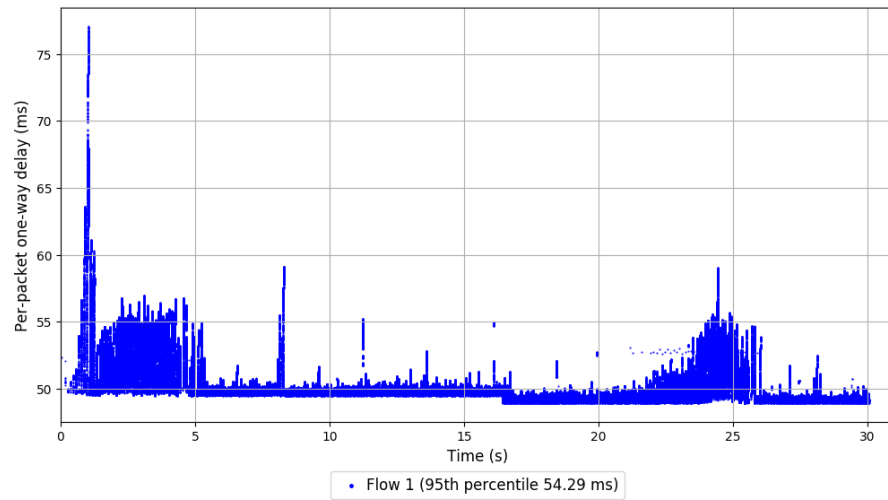
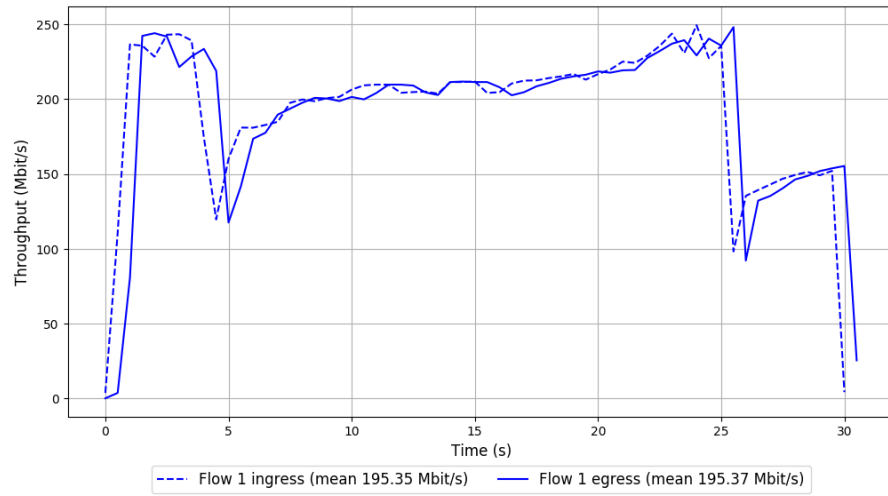


Run 2: Statistics of TCP Cubic

Start at: 2018-07-01 11:34:09
End at: 2018-07-01 11:34:39
Local clock offset: 0.129 ms
Remote clock offset: -1.224 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.37 Mbit/s
95th percentile per-packet one-way delay: 54.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.37 Mbit/s
95th percentile per-packet one-way delay: 54.292 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

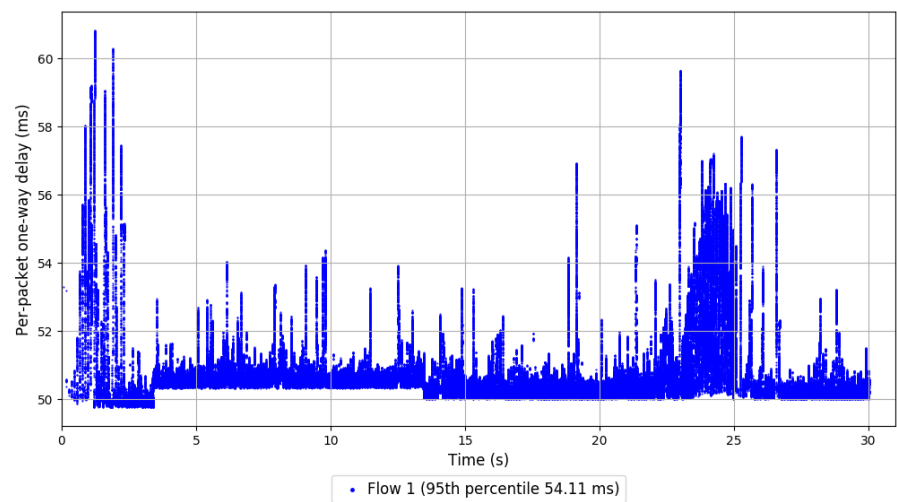
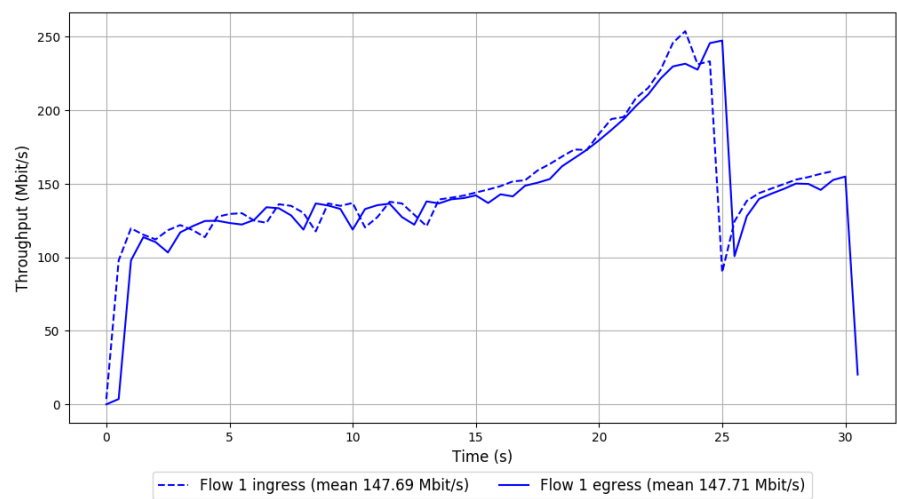


Run 3: Statistics of TCP Cubic

Start at: 2018-07-01 11:55:52
End at: 2018-07-01 11:56:22
Local clock offset: 0.221 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.71 Mbit/s
95th percentile per-packet one-way delay: 54.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.71 Mbit/s
95th percentile per-packet one-way delay: 54.109 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-01 12:17:41

End at: 2018-07-01 12:18:11

Local clock offset: 0.247 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.14 Mbit/s

95th percentile per-packet one-way delay: 52.475 ms

Loss rate: 0.00%

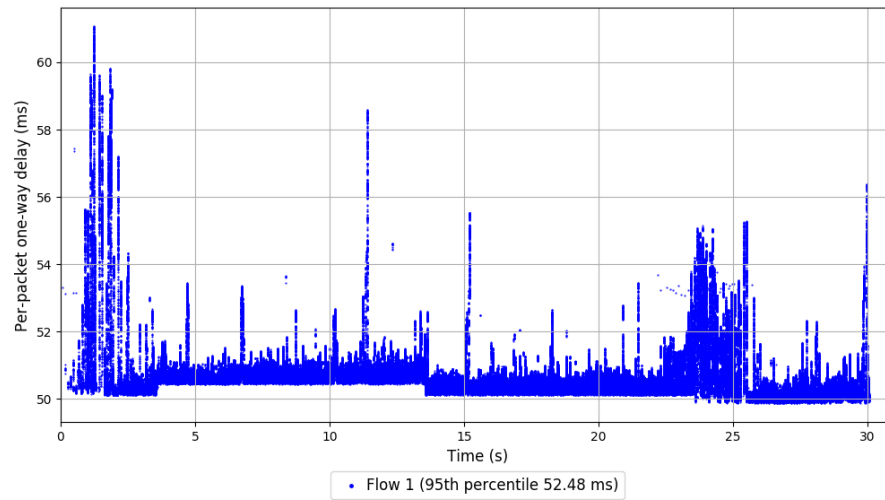
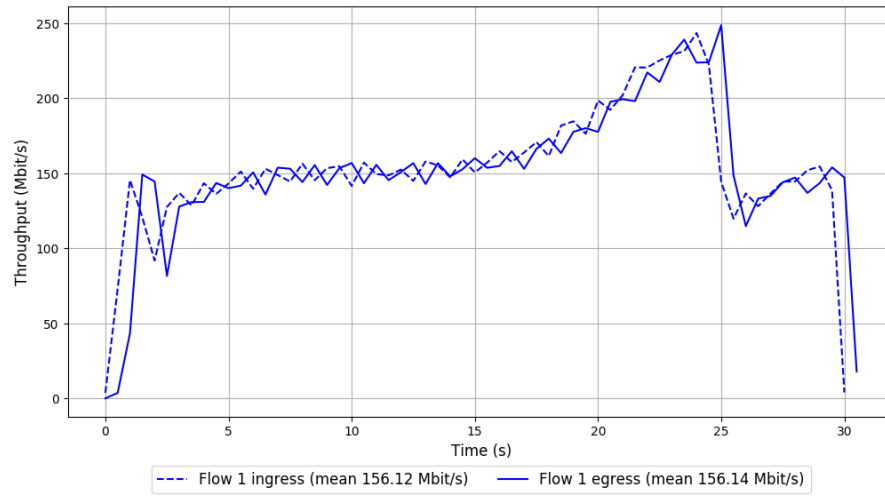
-- Flow 1:

Average throughput: 156.14 Mbit/s

95th percentile per-packet one-way delay: 52.475 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

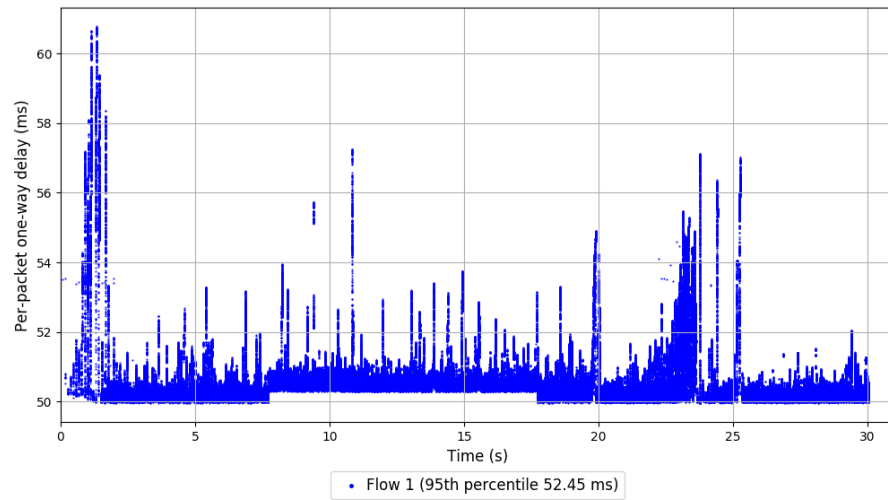
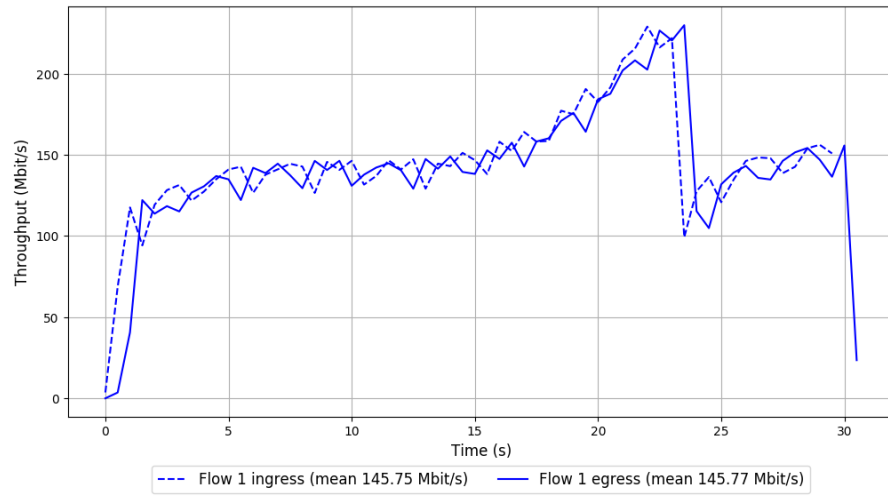


Run 5: Statistics of TCP Cubic

Start at: 2018-07-01 12:39:07
End at: 2018-07-01 12:39:37
Local clock offset: 0.079 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.77 Mbit/s
95th percentile per-packet one-way delay: 52.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.77 Mbit/s
95th percentile per-packet one-way delay: 52.453 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-01 13:00:34

End at: 2018-07-01 13:01:04

Local clock offset: 0.2 ms

Remote clock offset: 1.231 ms

Below is generated by plot.py at 2018-07-01 15:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.34 Mbit/s

95th percentile per-packet one-way delay: 57.632 ms

Loss rate: 0.00%

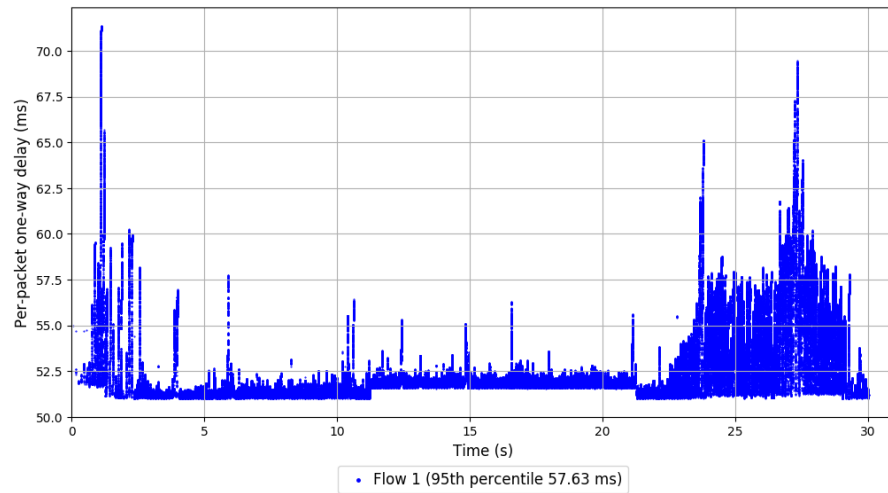
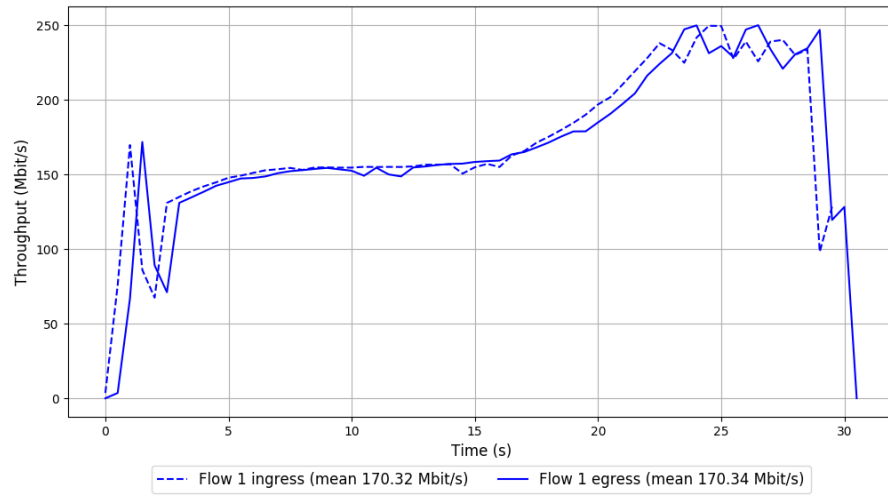
-- Flow 1:

Average throughput: 170.34 Mbit/s

95th percentile per-packet one-way delay: 57.632 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

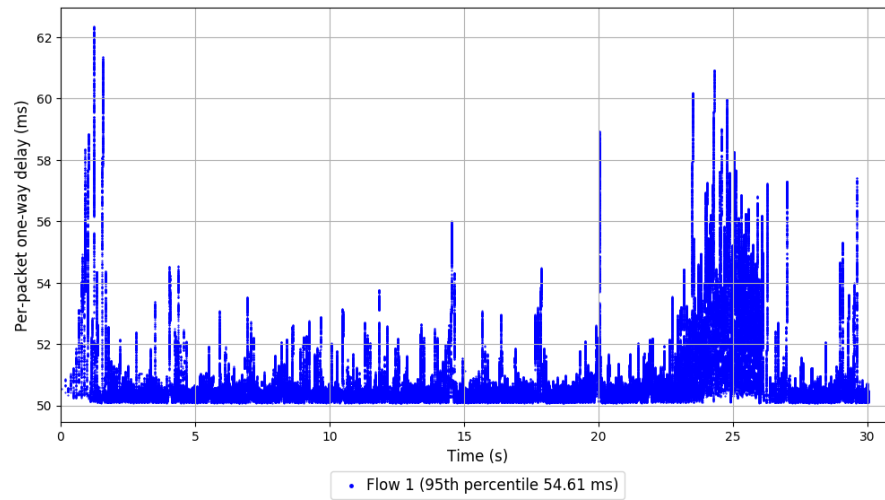
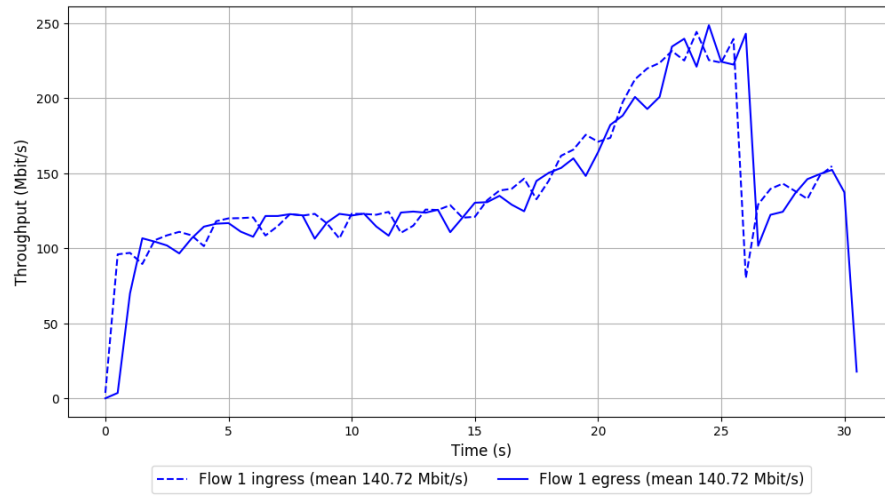


Run 7: Statistics of TCP Cubic

Start at: 2018-07-01 13:22:08
End at: 2018-07-01 13:22:38
Local clock offset: -0.076 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-01 15:07:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.72 Mbit/s
95th percentile per-packet one-way delay: 54.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.72 Mbit/s
95th percentile per-packet one-way delay: 54.608 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-01 13:43:41

End at: 2018-07-01 13:44:11

Local clock offset: 0.044 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-01 15:08:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.72 Mbit/s

95th percentile per-packet one-way delay: 57.220 ms

Loss rate: 0.00%

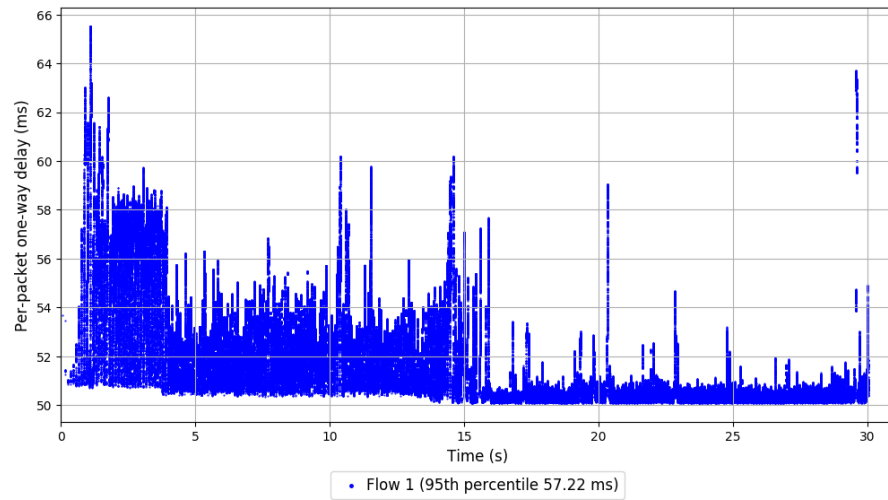
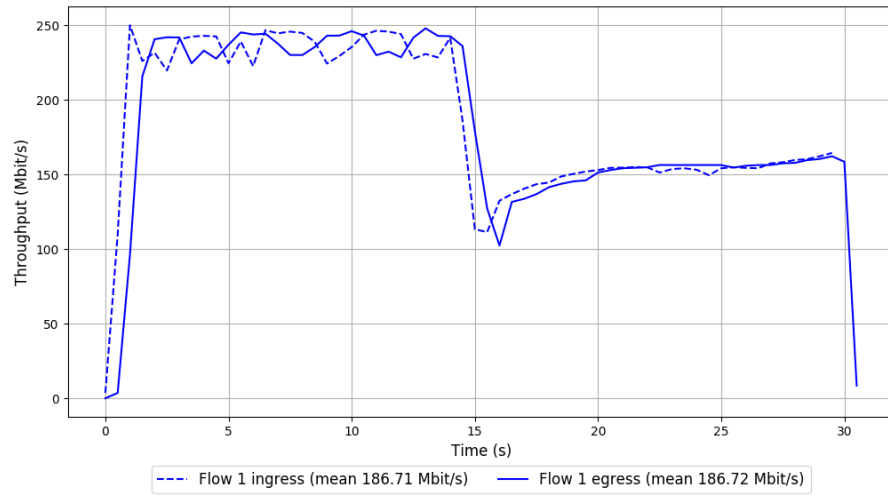
-- Flow 1:

Average throughput: 186.72 Mbit/s

95th percentile per-packet one-way delay: 57.220 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

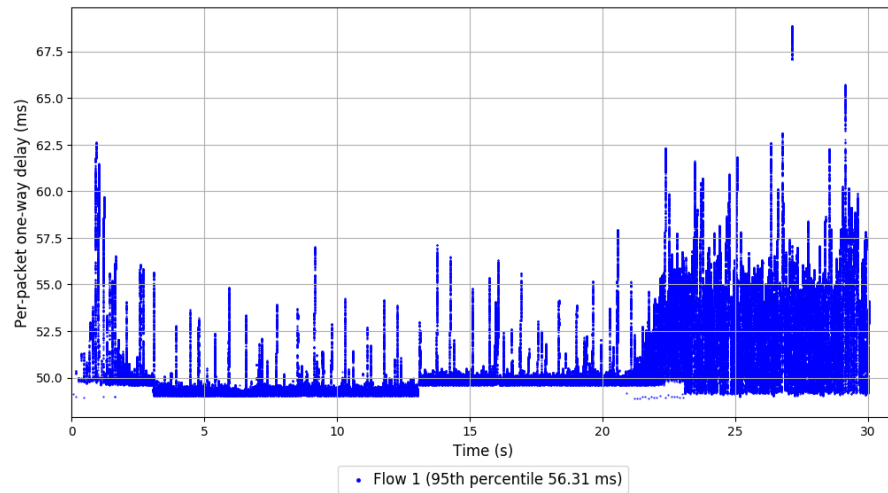
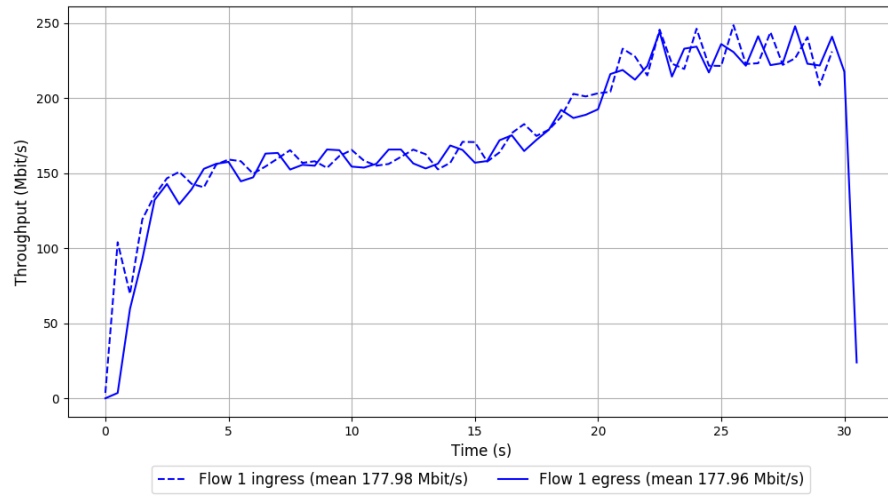


Run 9: Statistics of TCP Cubic

Start at: 2018-07-01 14:04:52
End at: 2018-07-01 14:05:22
Local clock offset: 0.107 ms
Remote clock offset: -1.137 ms

Below is generated by plot.py at 2018-07-01 15:08:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.96 Mbit/s
95th percentile per-packet one-way delay: 56.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.96 Mbit/s
95th percentile per-packet one-way delay: 56.306 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-01 14:26:10

End at: 2018-07-01 14:26:40

Local clock offset: 0.139 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-01 15:08:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.92 Mbit/s

95th percentile per-packet one-way delay: 56.436 ms

Loss rate: 0.00%

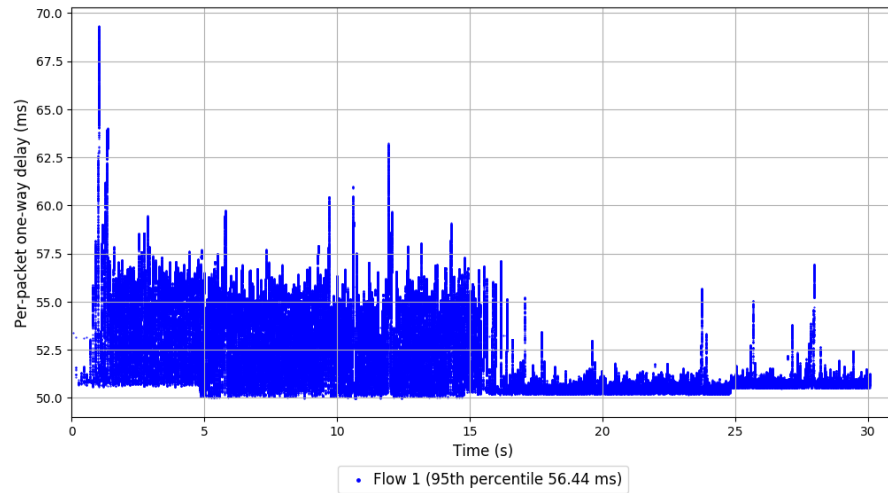
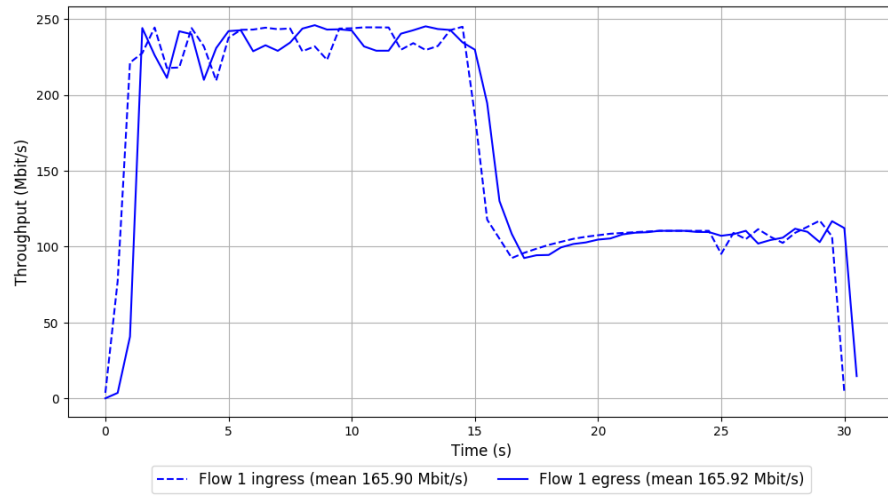
-- Flow 1:

Average throughput: 165.92 Mbit/s

95th percentile per-packet one-way delay: 56.436 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-01 11:29:52

End at: 2018-07-01 11:30:22

Local clock offset: 0.252 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-07-01 15:24:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 839.49 Mbit/s

95th percentile per-packet one-way delay: 183.590 ms

Loss rate: 1.81%

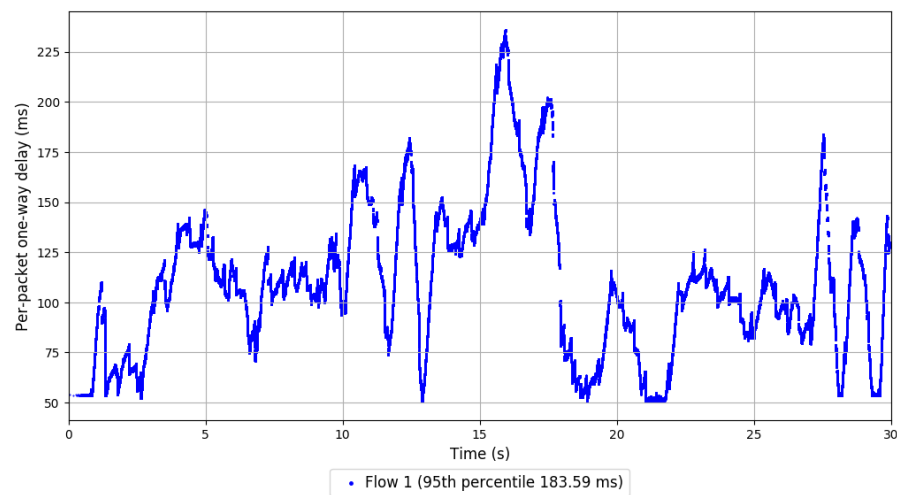
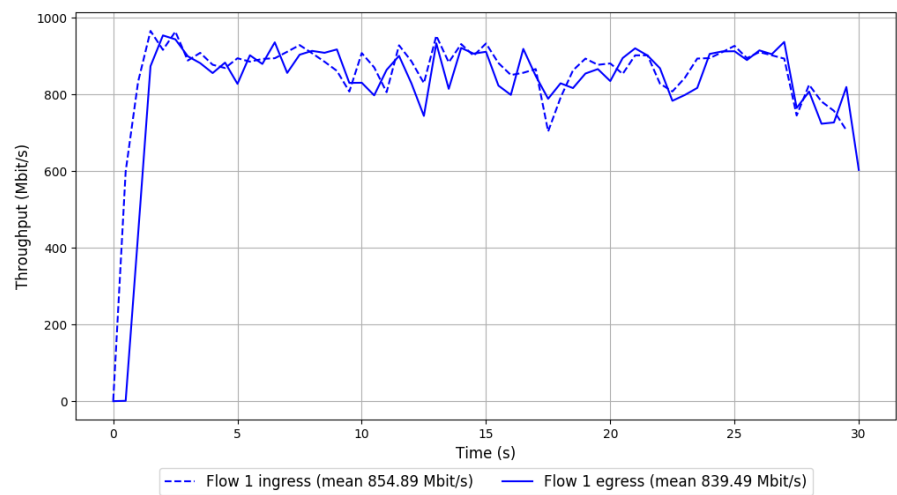
-- Flow 1:

Average throughput: 839.49 Mbit/s

95th percentile per-packet one-way delay: 183.590 ms

Loss rate: 1.81%

Run 1: Report of FillP — Data Link

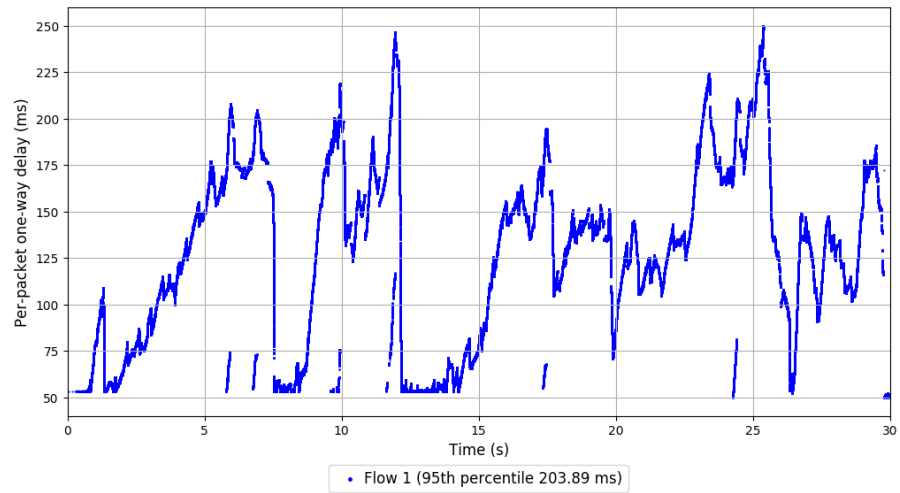
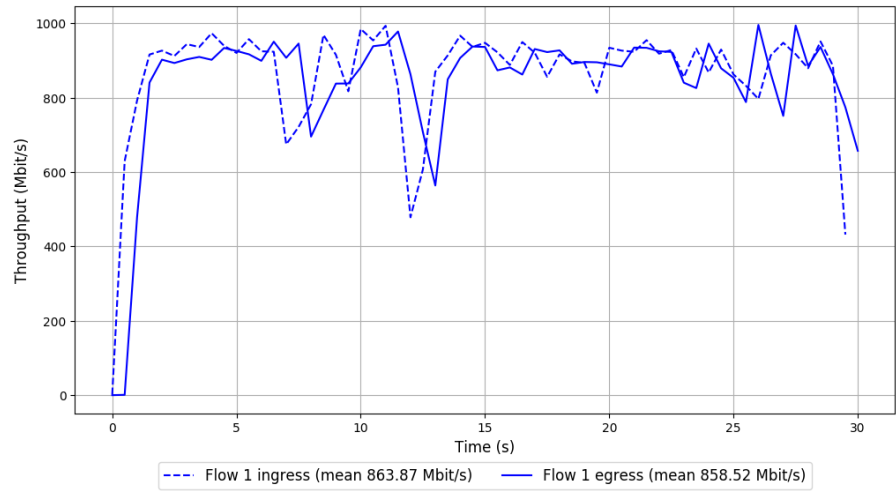


Run 2: Statistics of FillP

Start at: 2018-07-01 11:51:34
End at: 2018-07-01 11:52:04
Local clock offset: 0.216 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-01 15:24:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 858.52 Mbit/s
95th percentile per-packet one-way delay: 203.889 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 858.52 Mbit/s
95th percentile per-packet one-way delay: 203.889 ms
Loss rate: 0.63%

Run 2: Report of FillP — Data Link

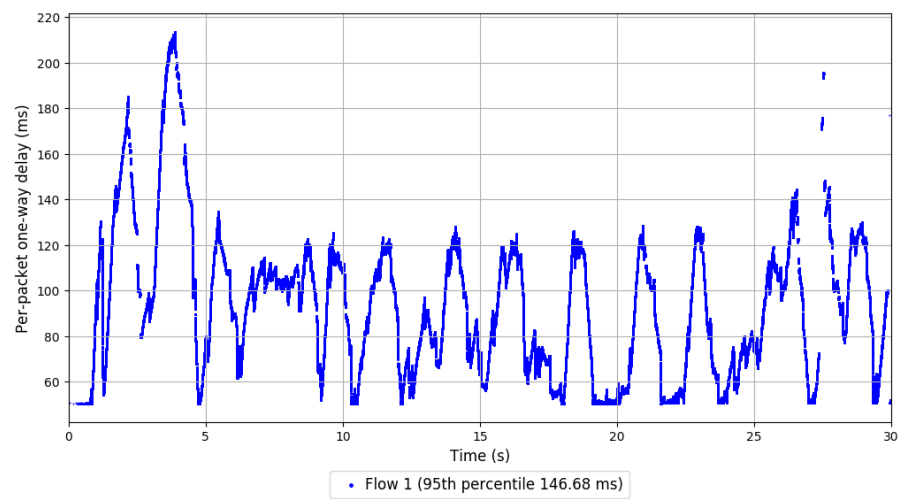
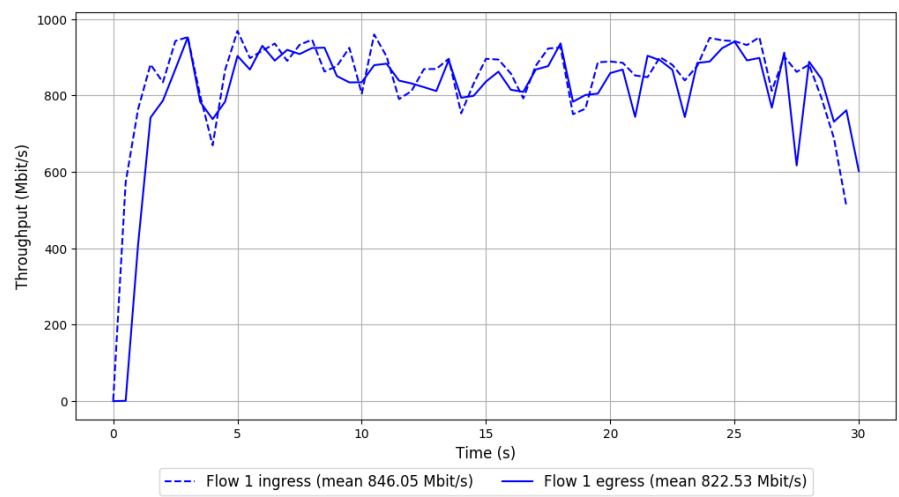


Run 3: Statistics of FillP

Start at: 2018-07-01 12:13:23
End at: 2018-07-01 12:13:53
Local clock offset: -0.106 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-01 15:24:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 822.53 Mbit/s
95th percentile per-packet one-way delay: 146.679 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 822.53 Mbit/s
95th percentile per-packet one-way delay: 146.679 ms
Loss rate: 2.78%

Run 3: Report of FillP — Data Link

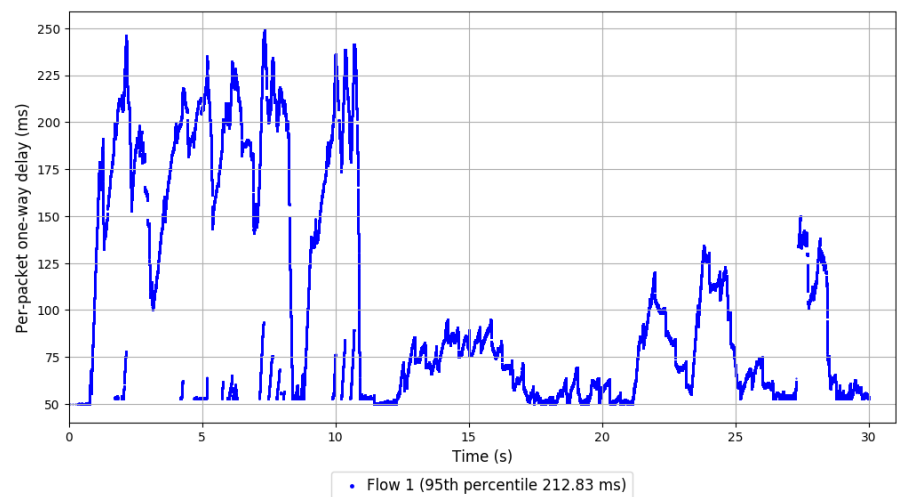
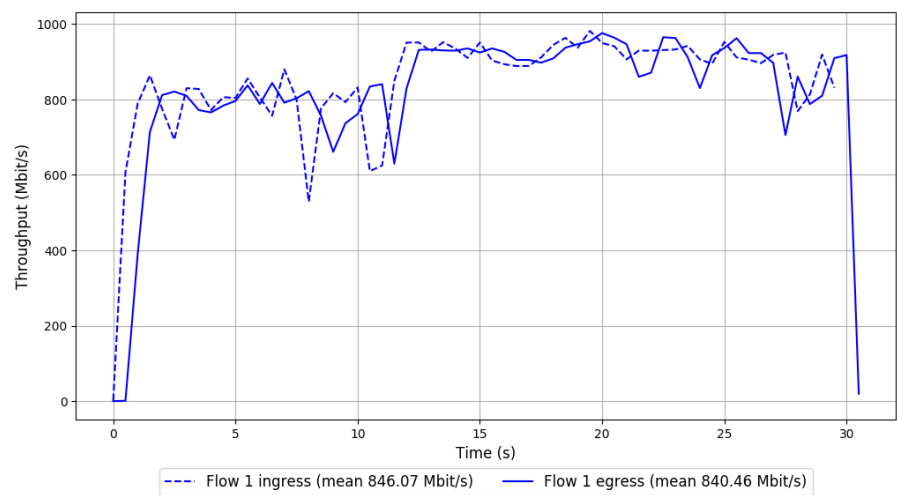


Run 4: Statistics of FillP

Start at: 2018-07-01 12:34:54
End at: 2018-07-01 12:35:24
Local clock offset: 0.147 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-07-01 15:25:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.46 Mbit/s
95th percentile per-packet one-way delay: 212.830 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 840.46 Mbit/s
95th percentile per-packet one-way delay: 212.830 ms
Loss rate: 0.66%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-01 12:56:17

End at: 2018-07-01 12:56:47

Local clock offset: 0.049 ms

Remote clock offset: 1.104 ms

Below is generated by plot.py at 2018-07-01 15:26:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 918.62 Mbit/s

95th percentile per-packet one-way delay: 97.829 ms

Loss rate: 0.14%

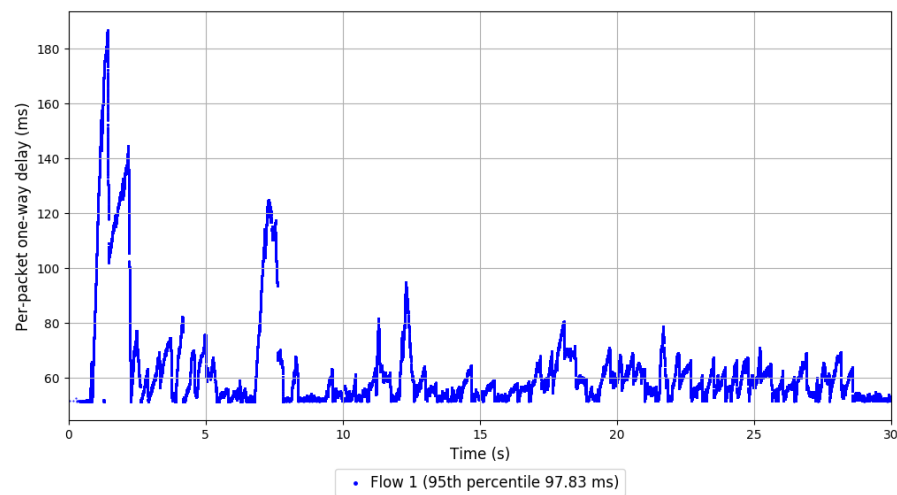
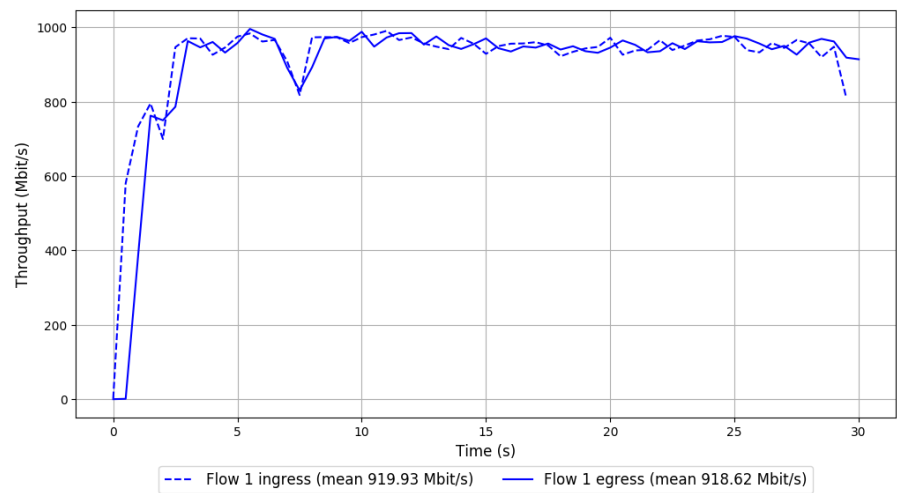
-- Flow 1:

Average throughput: 918.62 Mbit/s

95th percentile per-packet one-way delay: 97.829 ms

Loss rate: 0.14%

Run 5: Report of FillP — Data Link

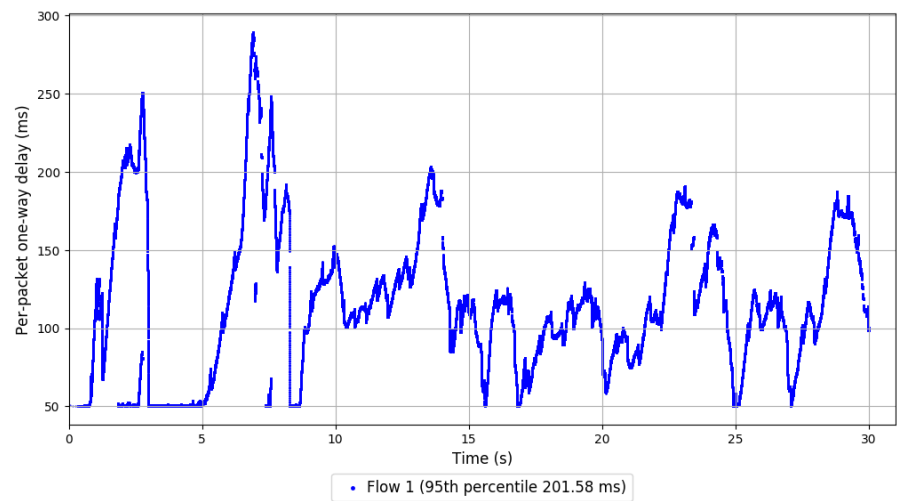
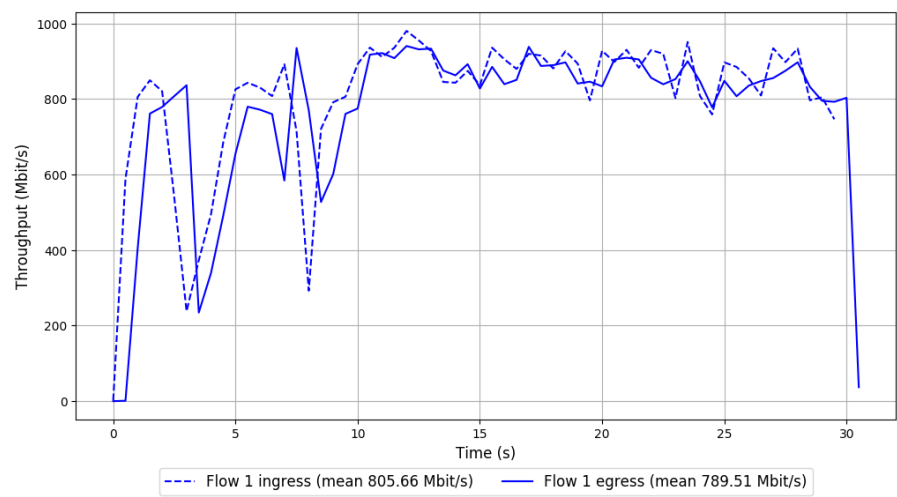


Run 6: Statistics of FillP

Start at: 2018-07-01 13:17:56
End at: 2018-07-01 13:18:26
Local clock offset: 0.071 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-01 15:26:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.51 Mbit/s
95th percentile per-packet one-way delay: 201.582 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 789.51 Mbit/s
95th percentile per-packet one-way delay: 201.582 ms
Loss rate: 2.00%

Run 6: Report of FillP — Data Link

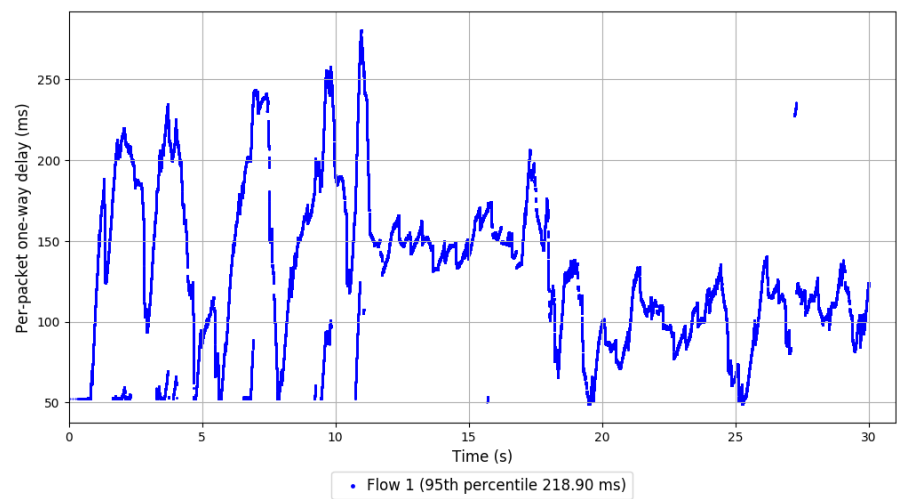
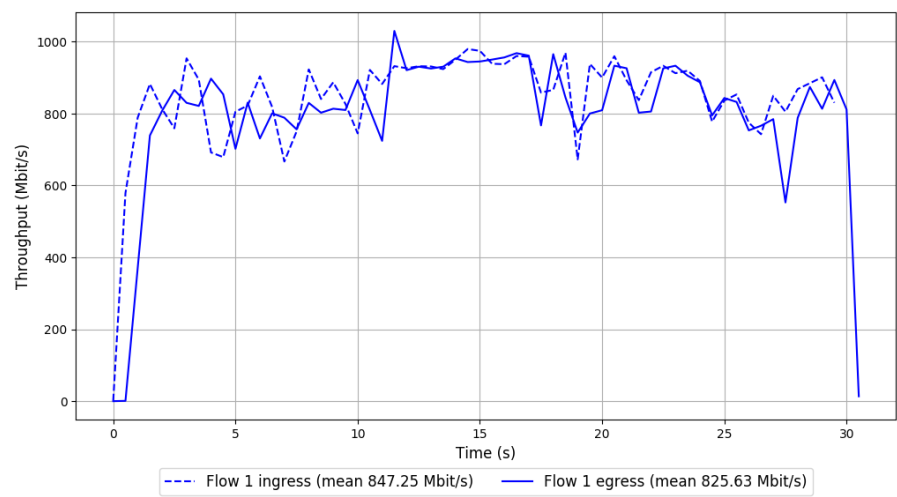


Run 7: Statistics of FillP

Start at: 2018-07-01 13:39:22
End at: 2018-07-01 13:39:52
Local clock offset: 0.032 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-07-01 15:26:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 825.63 Mbit/s
95th percentile per-packet one-way delay: 218.904 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 825.63 Mbit/s
95th percentile per-packet one-way delay: 218.904 ms
Loss rate: 2.56%

Run 7: Report of FillP — Data Link

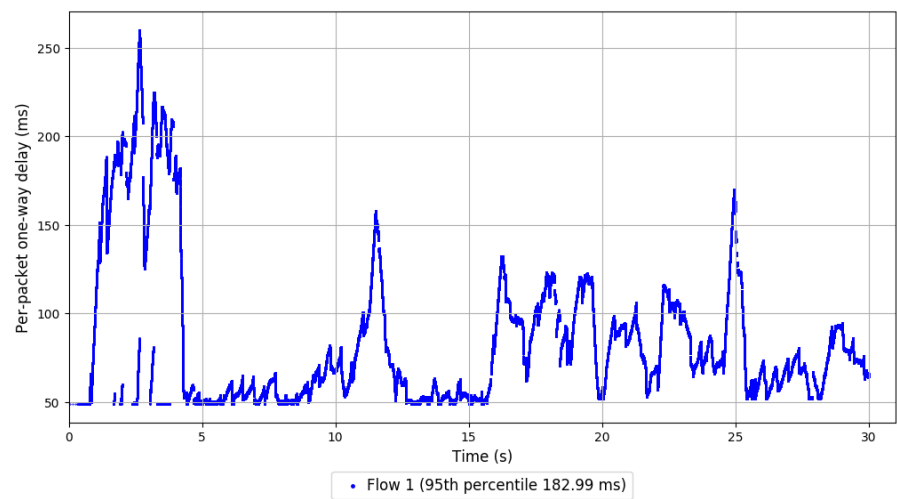
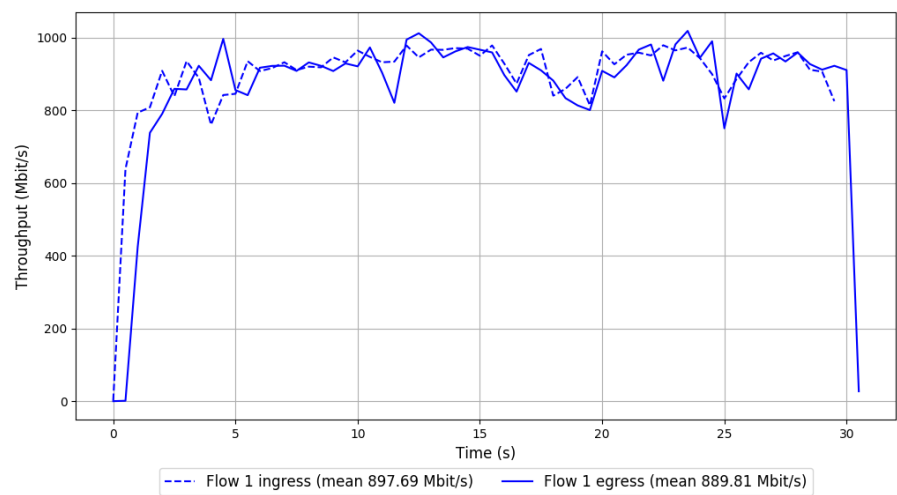


Run 8: Statistics of FillP

Start at: 2018-07-01 14:00:39
End at: 2018-07-01 14:01:09
Local clock offset: 0.384 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2018-07-01 15:27:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 889.81 Mbit/s
95th percentile per-packet one-way delay: 182.991 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 889.81 Mbit/s
95th percentile per-packet one-way delay: 182.991 ms
Loss rate: 0.87%

Run 8: Report of FillP — Data Link

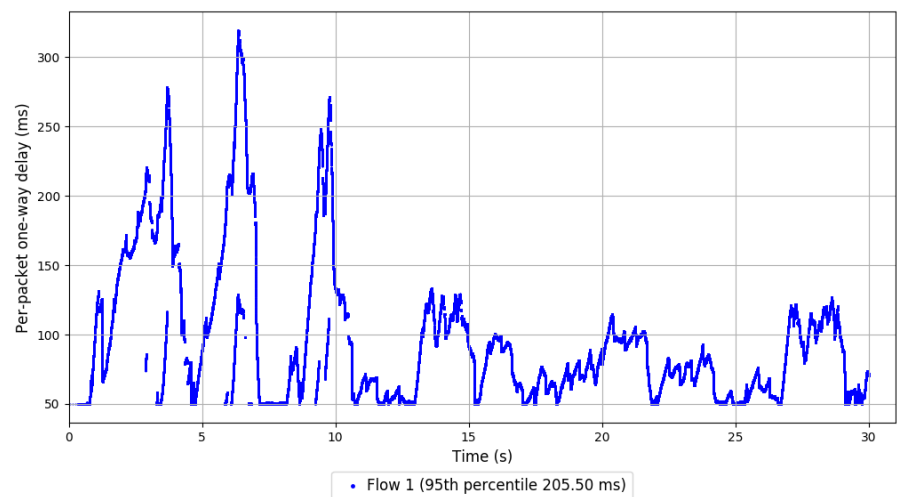
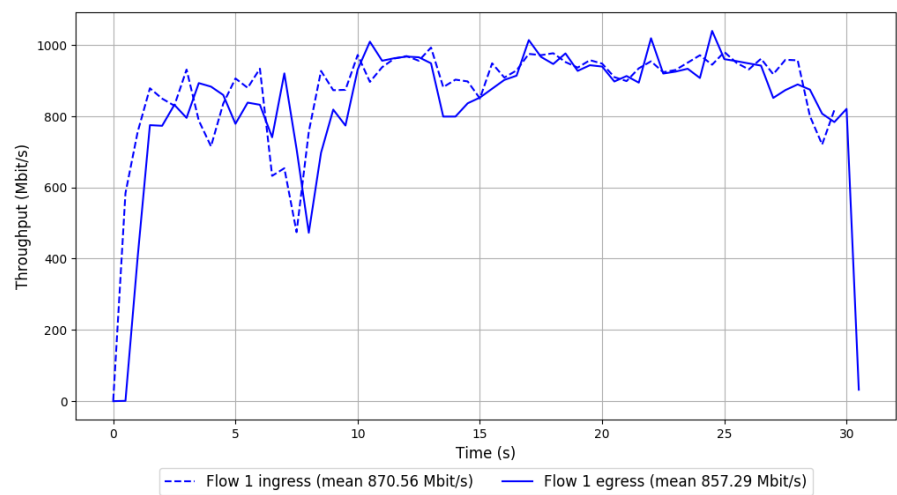


Run 9: Statistics of FillP

Start at: 2018-07-01 14:21:57
End at: 2018-07-01 14:22:27
Local clock offset: 0.311 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 857.29 Mbit/s
95th percentile per-packet one-way delay: 205.502 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 857.29 Mbit/s
95th percentile per-packet one-way delay: 205.502 ms
Loss rate: 1.52%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-01 14:43:32

End at: 2018-07-01 14:44:02

Local clock offset: 0.099 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 806.18 Mbit/s

95th percentile per-packet one-way delay: 245.666 ms

Loss rate: 2.60%

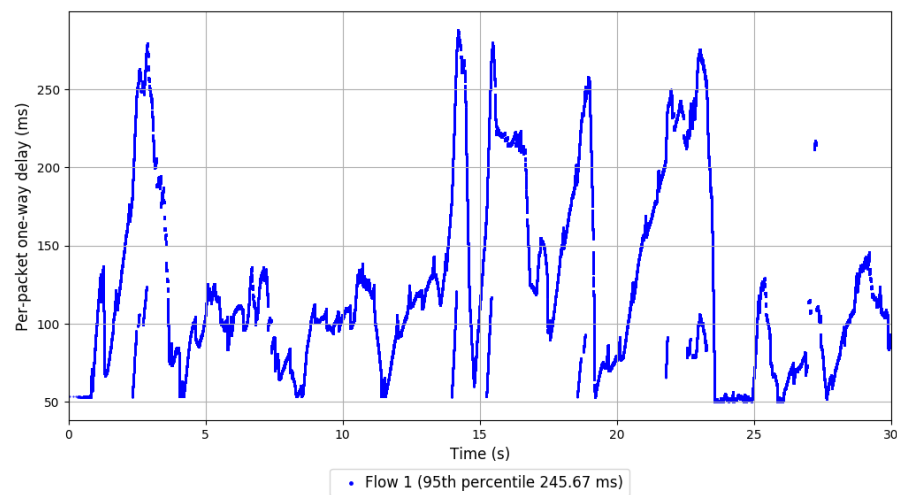
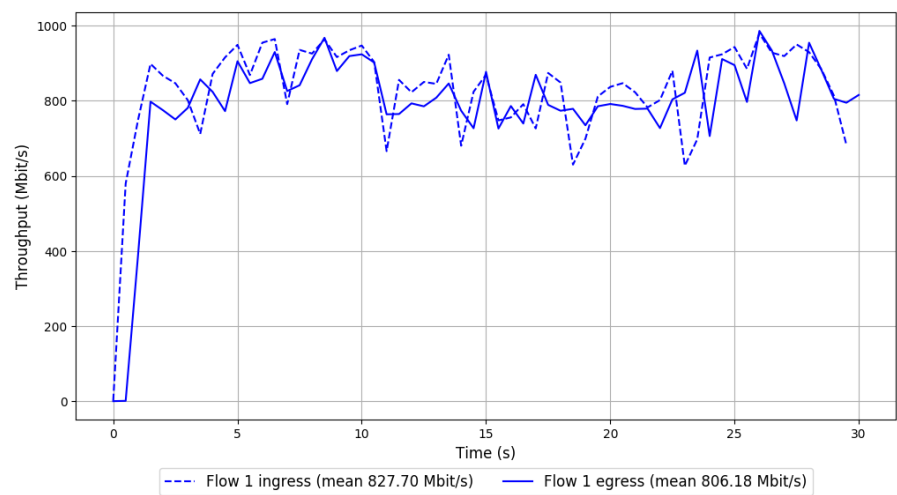
-- Flow 1:

Average throughput: 806.18 Mbit/s

95th percentile per-packet one-way delay: 245.666 ms

Loss rate: 2.60%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

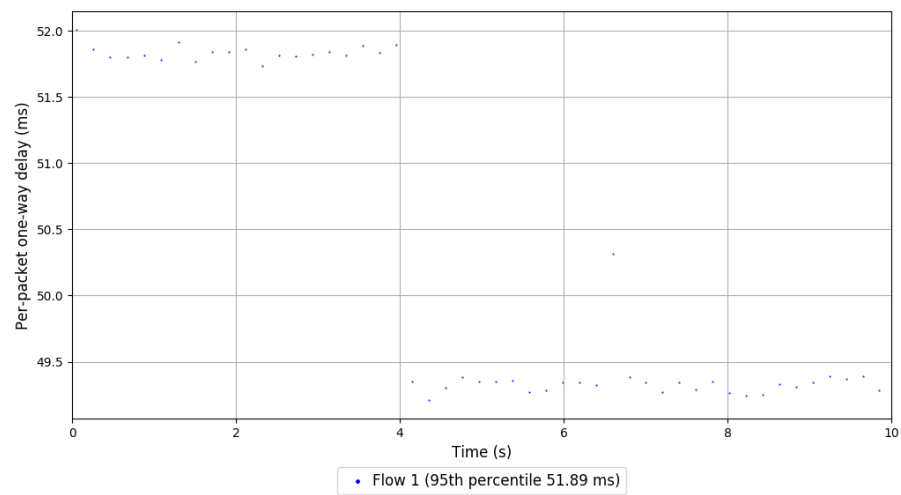
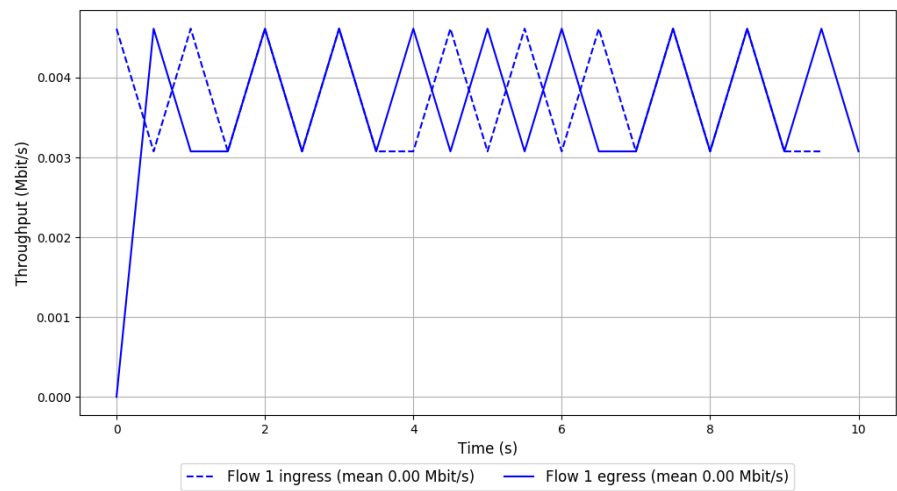
Start at: 2018-07-01 11:15:11

End at: 2018-07-01 11:15:41

Local clock offset: 0.266 ms

Remote clock offset: -1.304 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

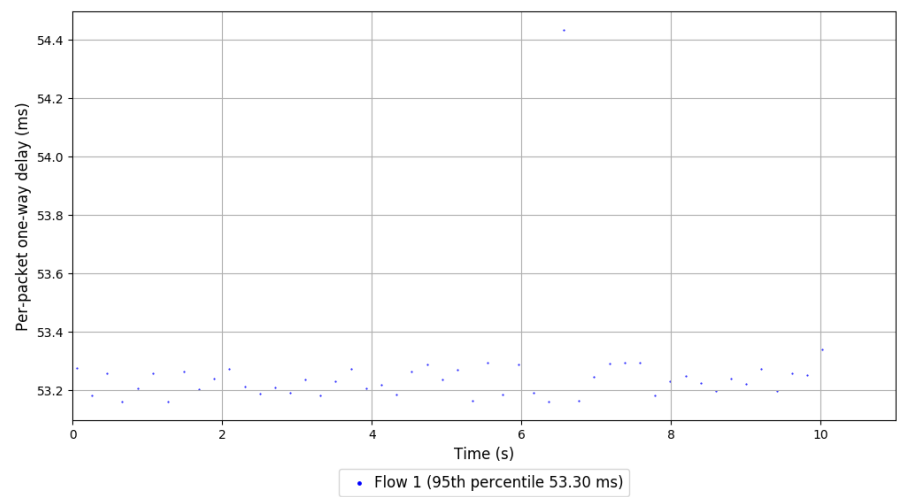
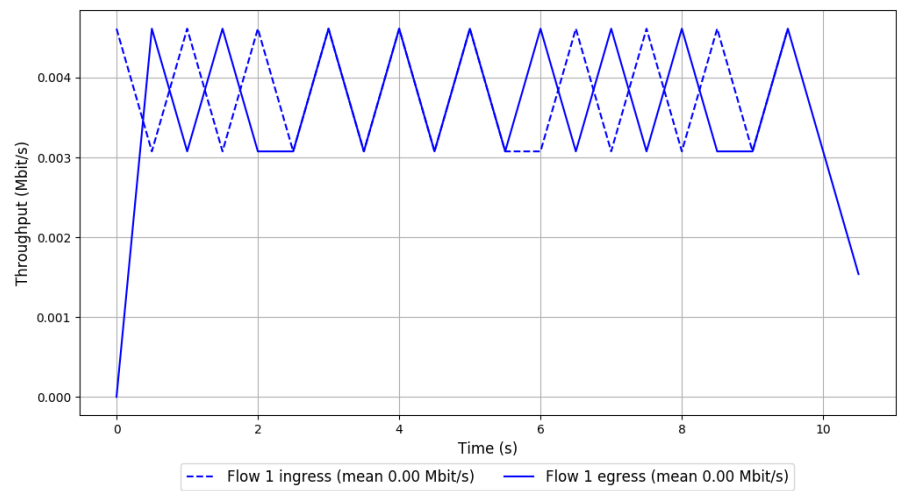
Start at: 2018-07-01 11:36:33

End at: 2018-07-01 11:37:03

Local clock offset: 0.191 ms

Remote clock offset: -0.11 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

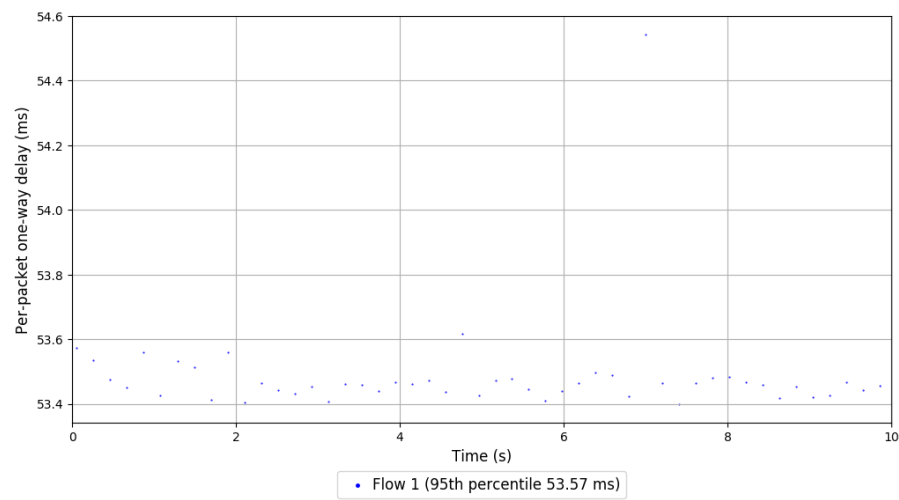
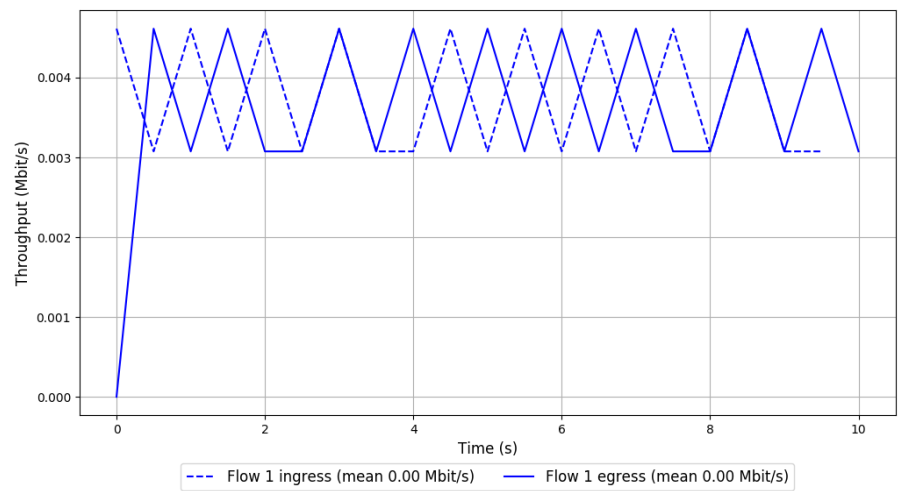
Start at: 2018-07-01 11:58:14

End at: 2018-07-01 11:58:44

Local clock offset: 0.213 ms

Remote clock offset: -0.034 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

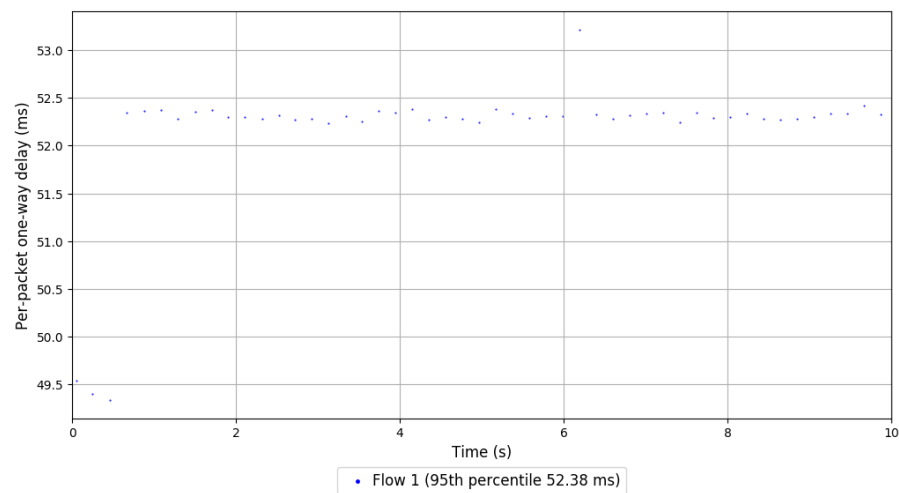
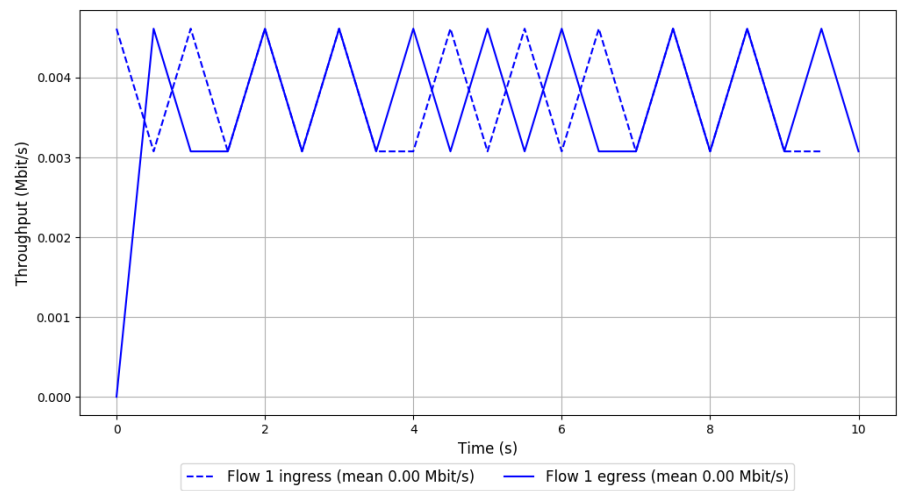
Start at: 2018-07-01 12:20:04

End at: 2018-07-01 12:20:34

Local clock offset: 0.174 ms

Remote clock offset: -1.236 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

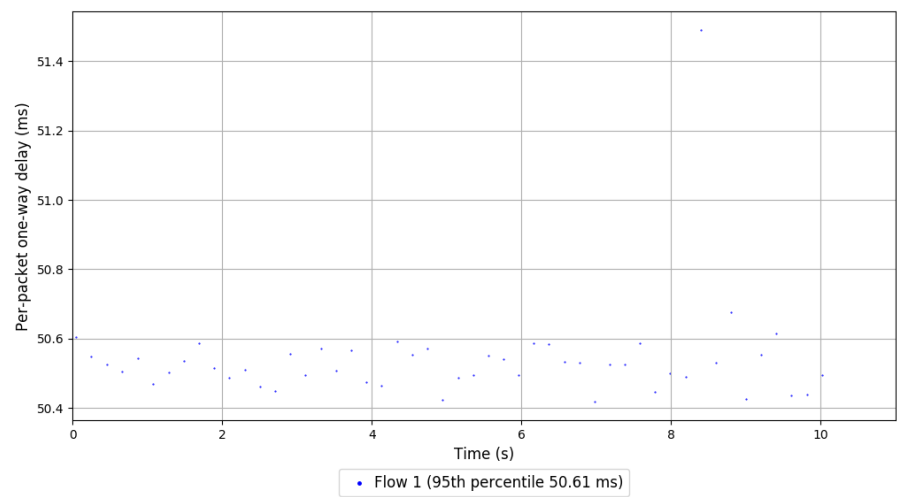
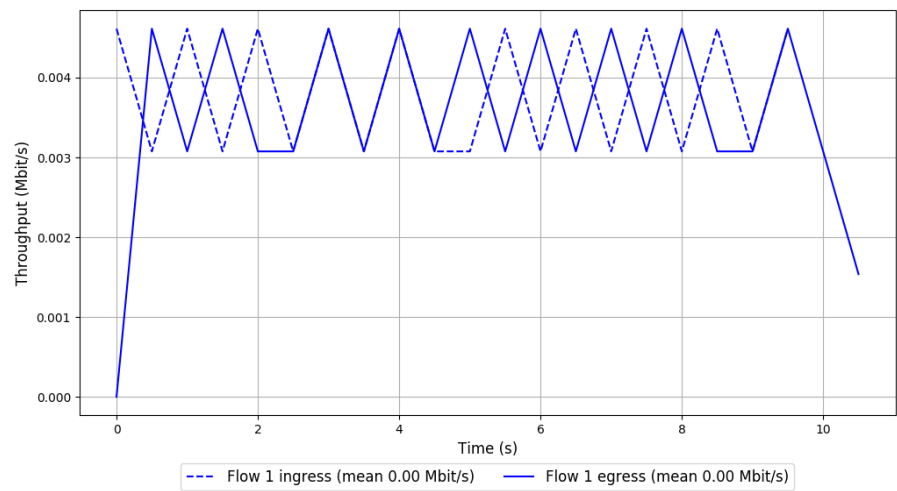
Start at: 2018-07-01 12:41:30

End at: 2018-07-01 12:42:00

Local clock offset: -0.067 ms

Remote clock offset: -0.16 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

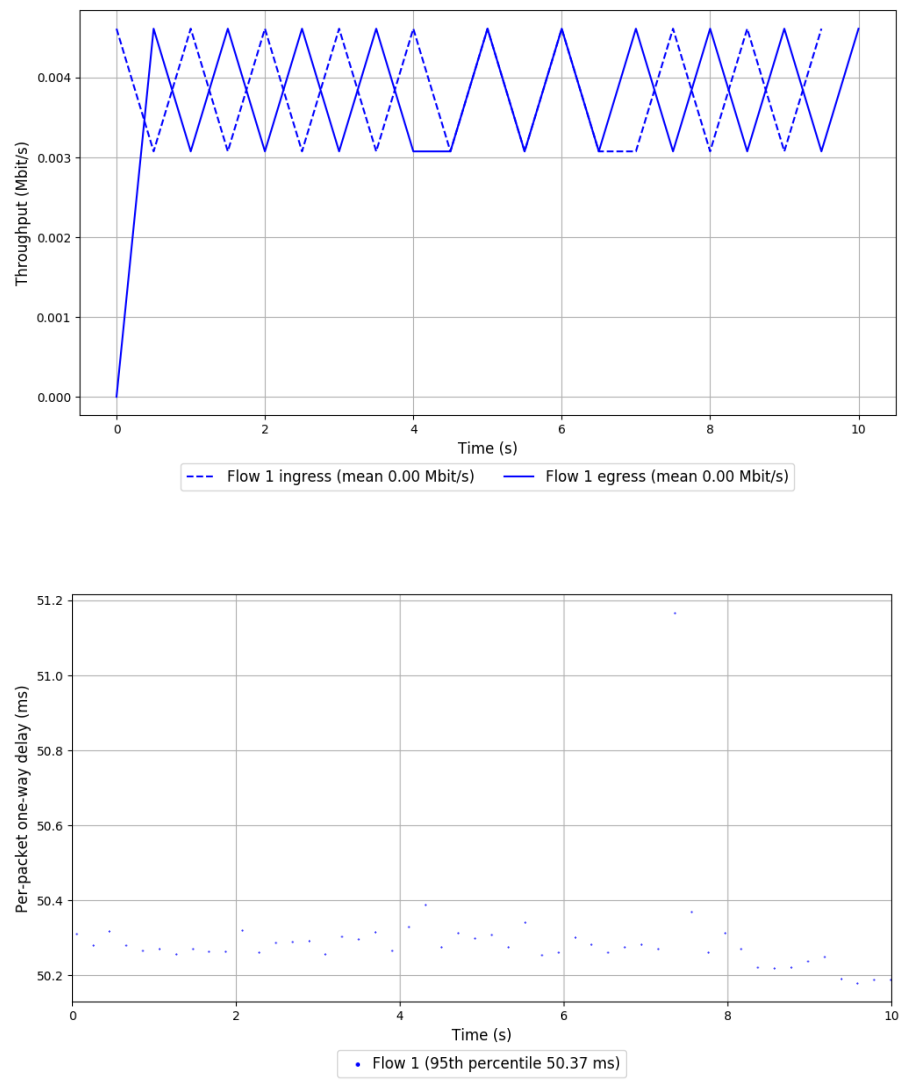
Start at: 2018-07-01 13:02:57

End at: 2018-07-01 13:03:27

Local clock offset: 0.149 ms

Remote clock offset: -0.038 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

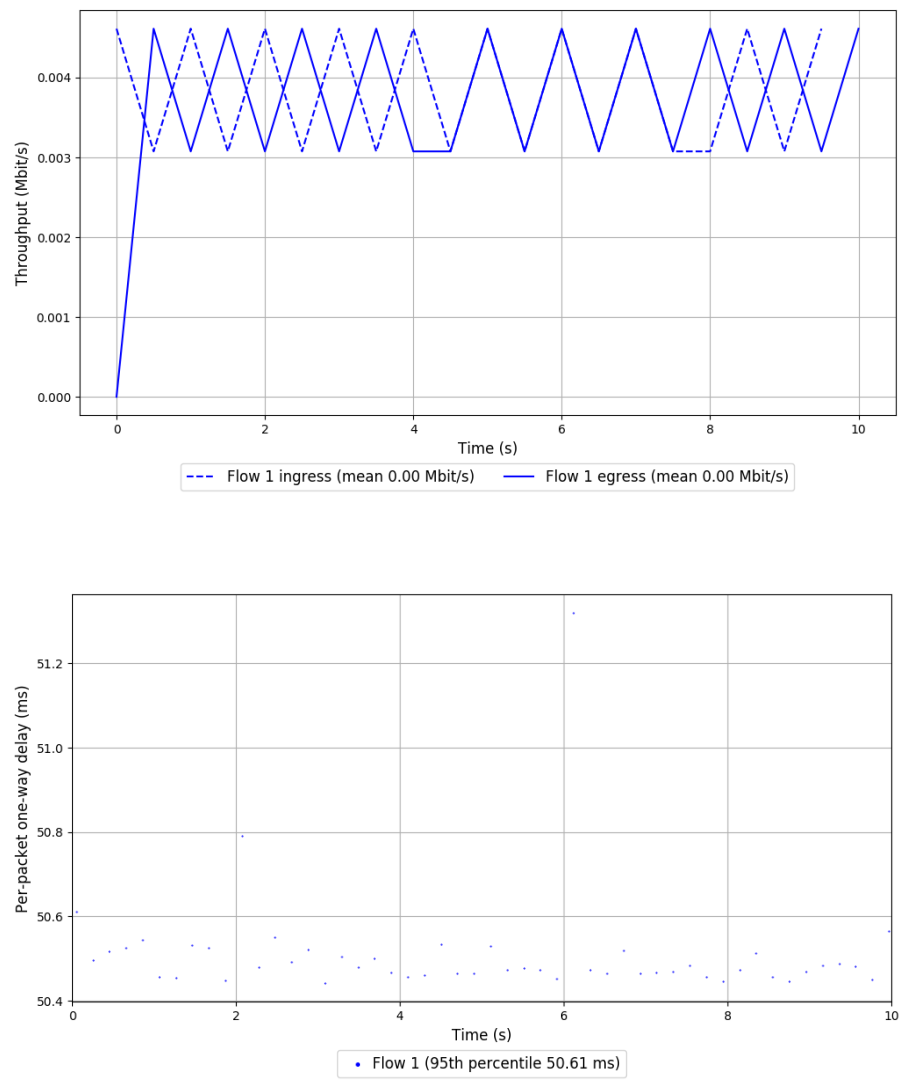
Start at: 2018-07-01 13:24:26

End at: 2018-07-01 13:24:56

Local clock offset: -0.05 ms

Remote clock offset: -0.005 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

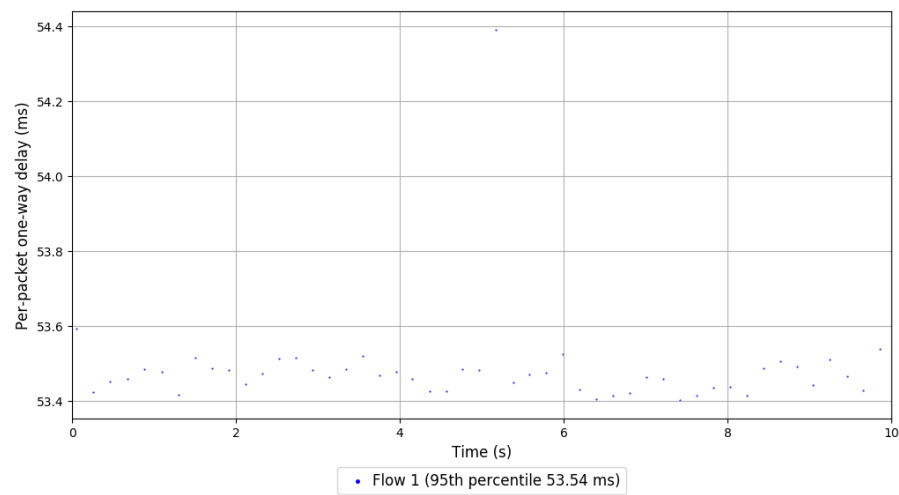
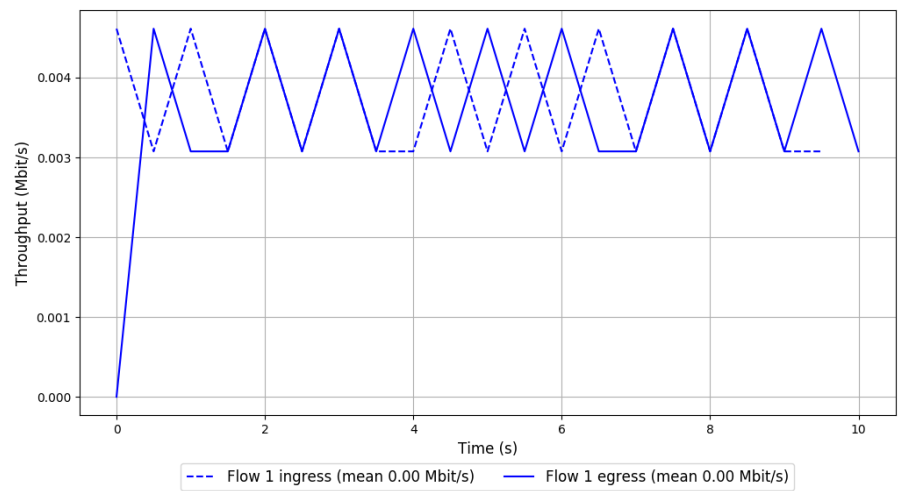
Start at: 2018-07-01 13:46:01

End at: 2018-07-01 13:46:31

Local clock offset: -0.059 ms

Remote clock offset: -0.15 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

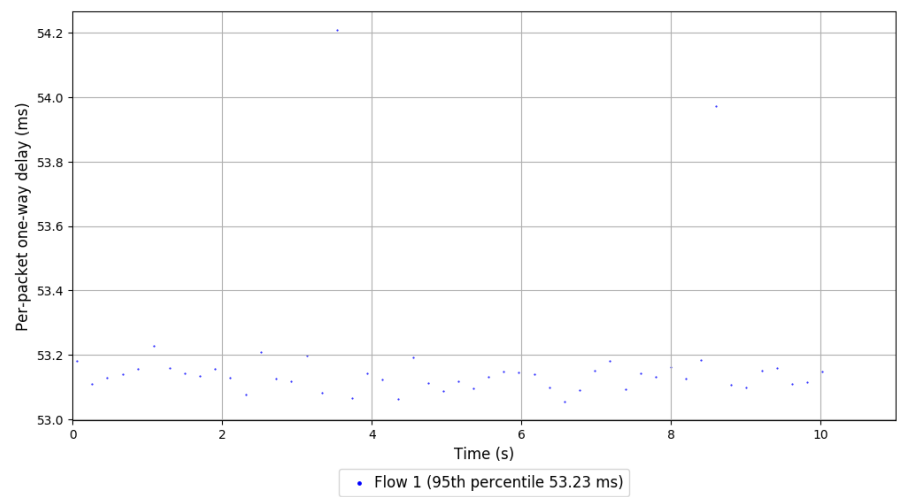
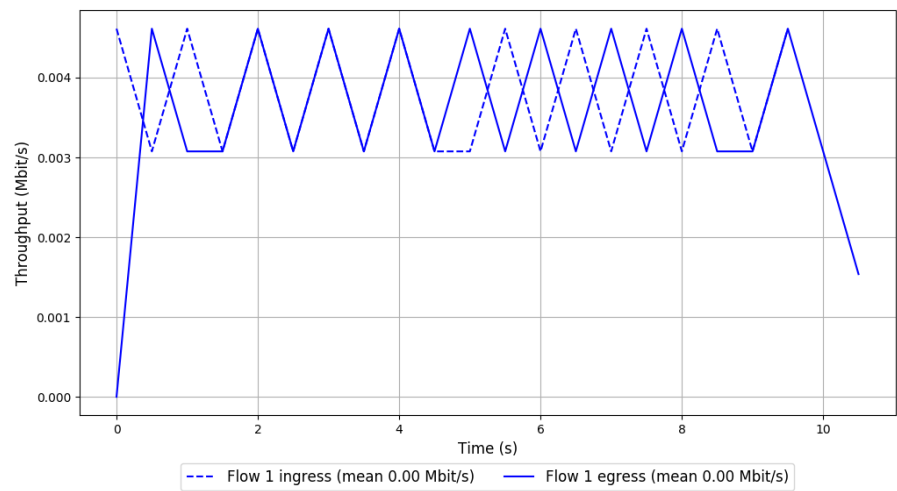
Start at: 2018-07-01 14:07:15

End at: 2018-07-01 14:07:45

Local clock offset: -0.152 ms

Remote clock offset: -0.377 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

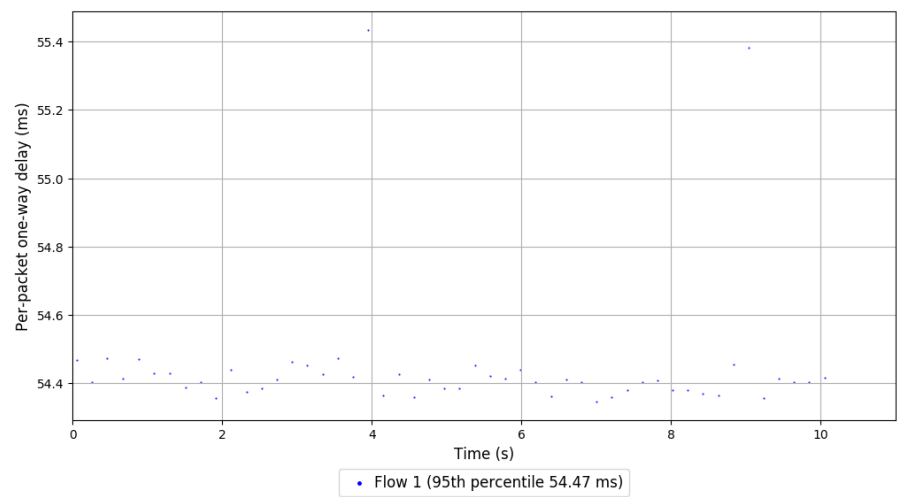
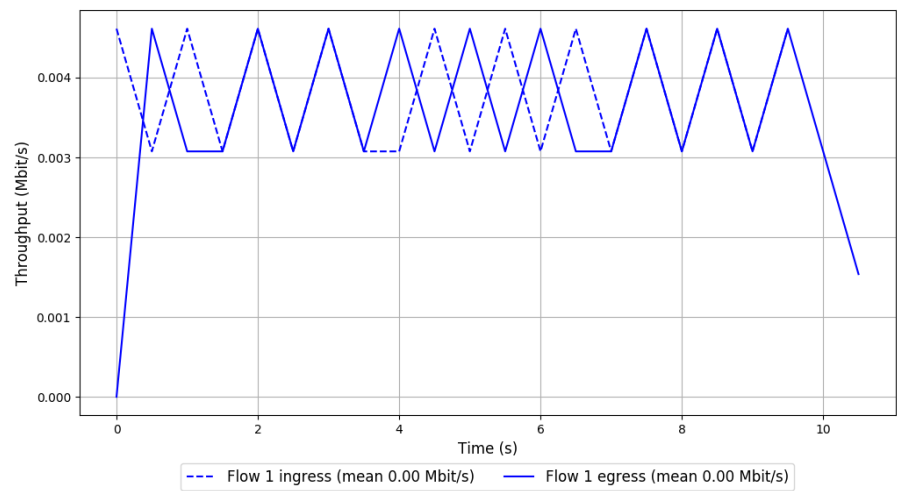
Start at: 2018-07-01 14:28:33

End at: 2018-07-01 14:29:03

Local clock offset: 0.045 ms

Remote clock offset: 0.955 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-01 11:24:01

End at: 2018-07-01 11:24:31

Local clock offset: 0.146 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.44 Mbit/s

95th percentile per-packet one-way delay: 50.777 ms

Loss rate: 0.00%

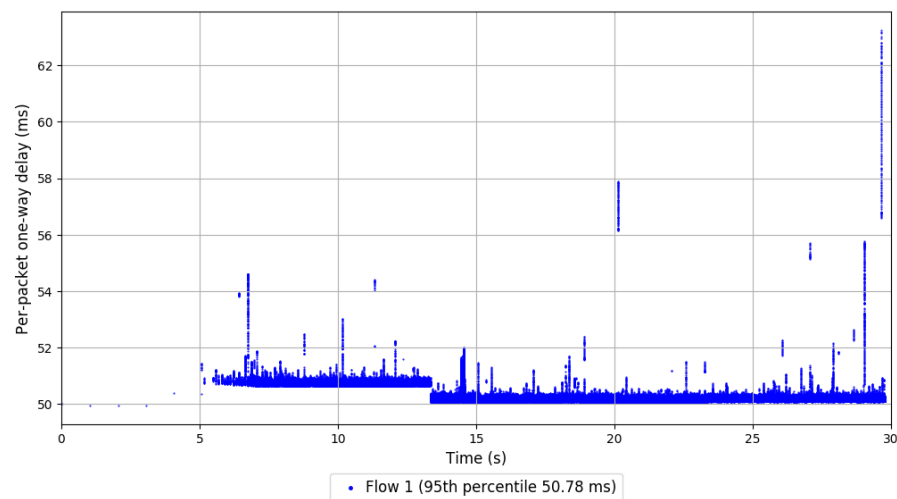
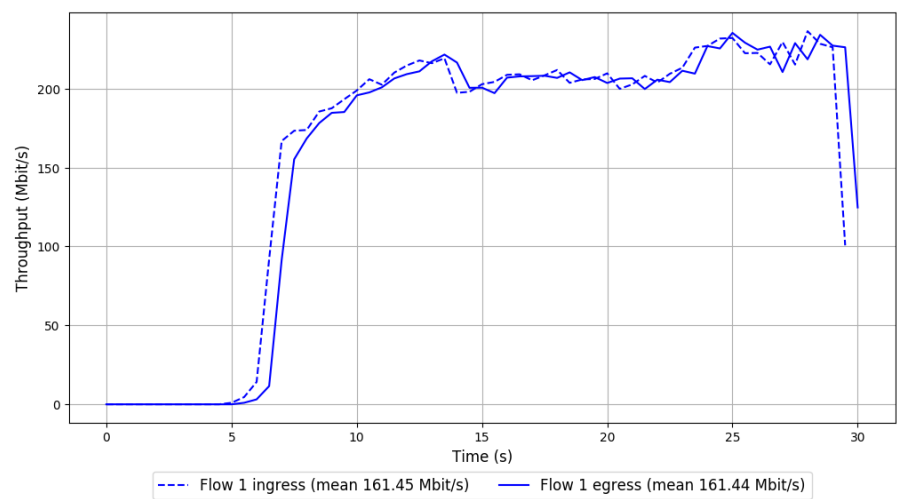
-- Flow 1:

Average throughput: 161.44 Mbit/s

95th percentile per-packet one-way delay: 50.777 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-01 11:45:40

End at: 2018-07-01 11:46:10

Local clock offset: 0.089 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.18 Mbit/s

95th percentile per-packet one-way delay: 50.802 ms

Loss rate: 0.00%

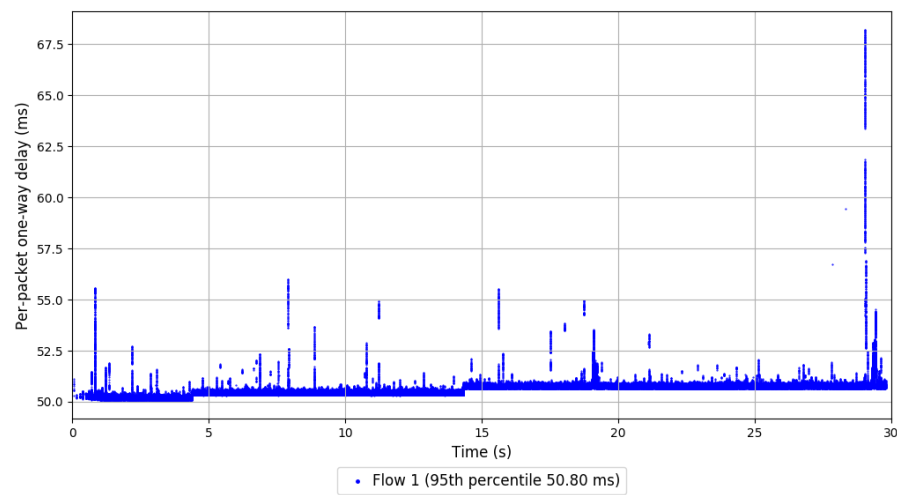
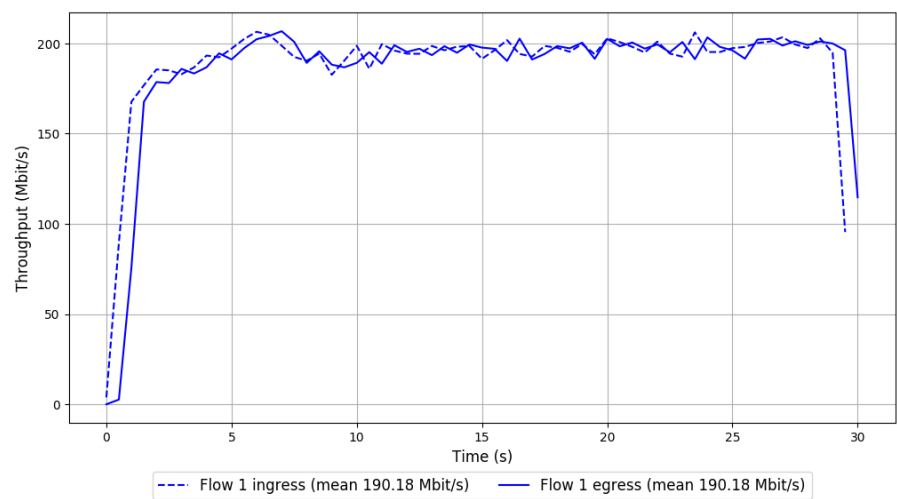
-- Flow 1:

Average throughput: 190.18 Mbit/s

95th percentile per-packet one-way delay: 50.802 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-01 12:07:28

End at: 2018-07-01 12:07:58

Local clock offset: 0.135 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.88 Mbit/s

95th percentile per-packet one-way delay: 50.613 ms

Loss rate: 0.00%

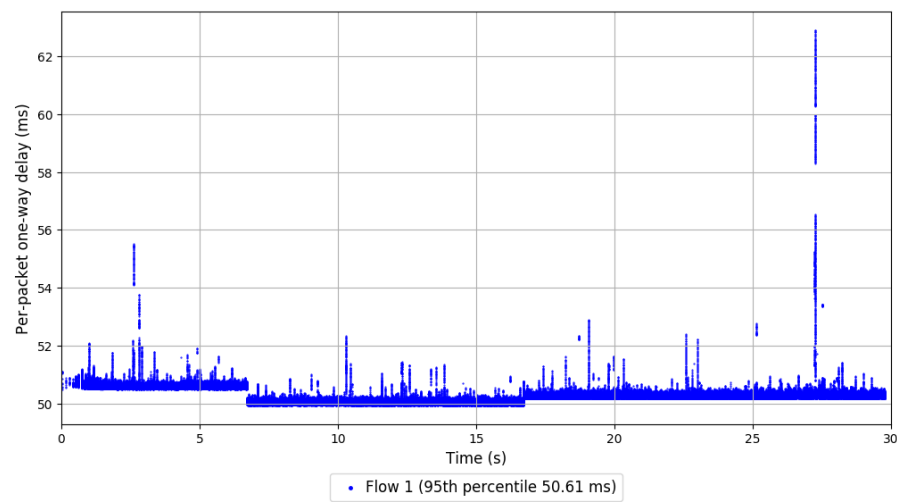
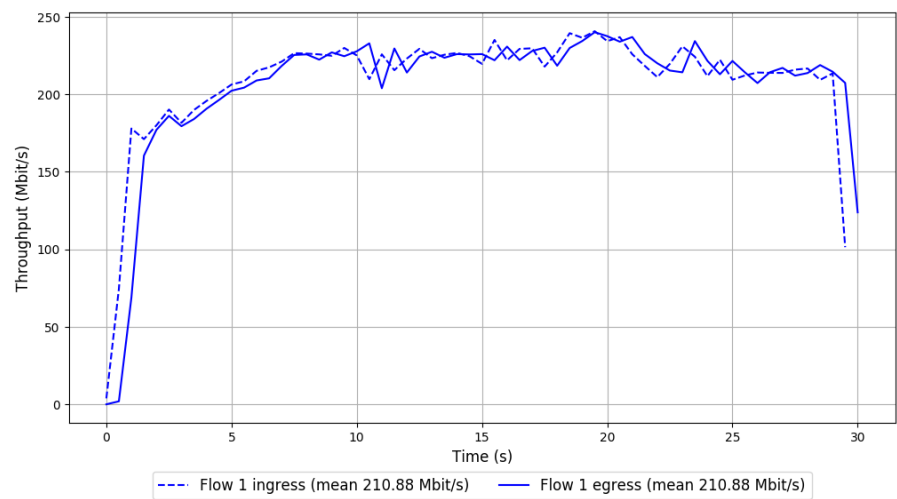
-- Flow 1:

Average throughput: 210.88 Mbit/s

95th percentile per-packet one-way delay: 50.613 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

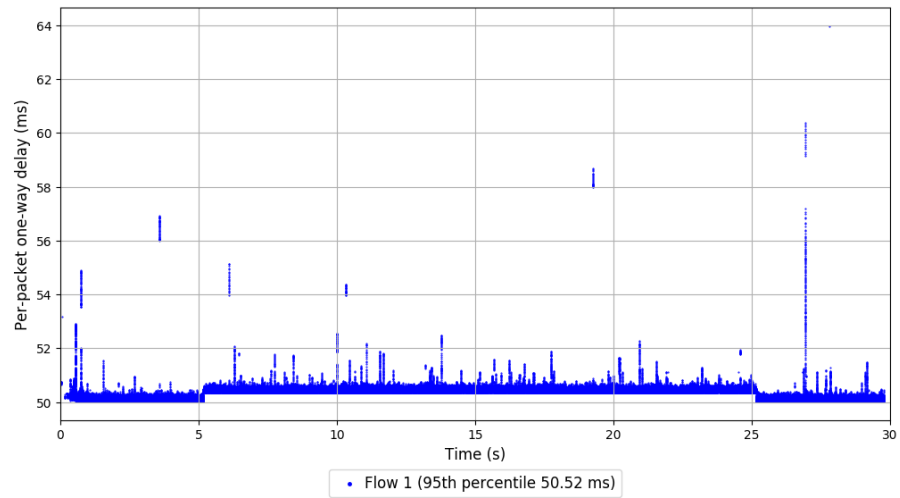
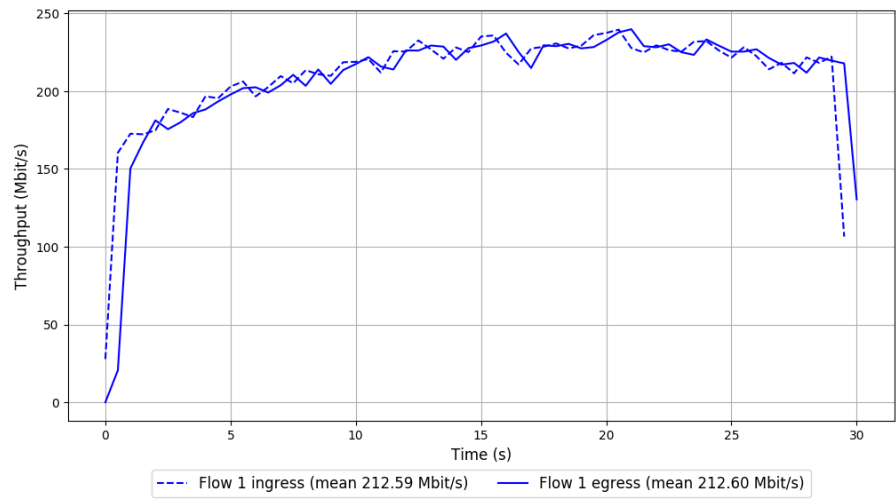


Run 4: Statistics of Indigo

Start at: 2018-07-01 12:29:00
End at: 2018-07-01 12:29:30
Local clock offset: 0.077 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.60 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.60 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

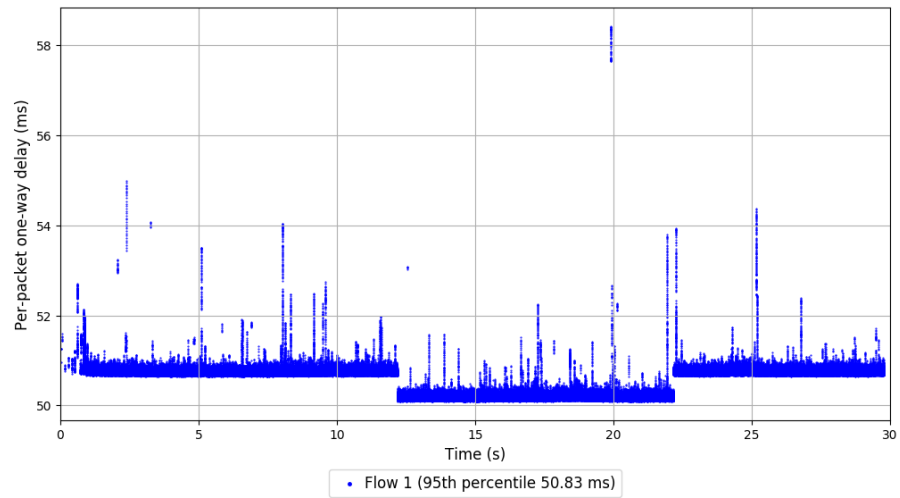
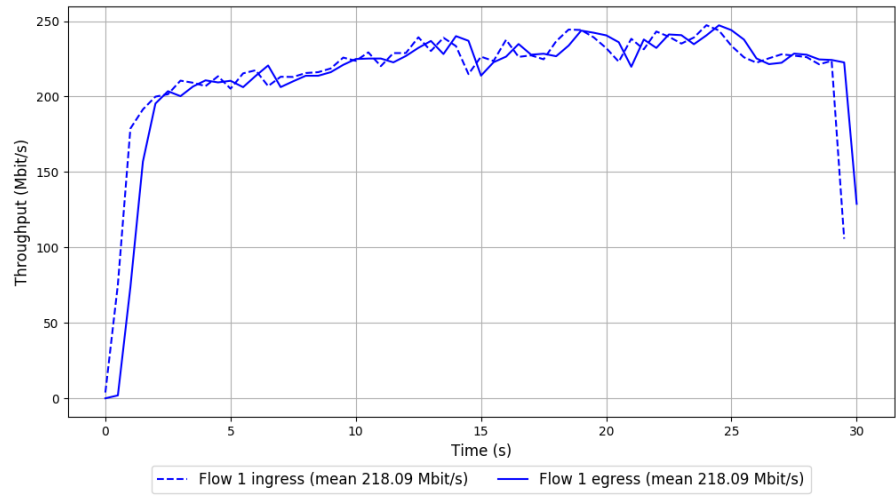


Run 5: Statistics of Indigo

Start at: 2018-07-01 12:50:23
End at: 2018-07-01 12:50:53
Local clock offset: -0.142 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.09 Mbit/s
95th percentile per-packet one-way delay: 50.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.09 Mbit/s
95th percentile per-packet one-way delay: 50.828 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-01 13:12:03

End at: 2018-07-01 13:12:33

Local clock offset: 0.167 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.53 Mbit/s

95th percentile per-packet one-way delay: 50.437 ms

Loss rate: 0.00%

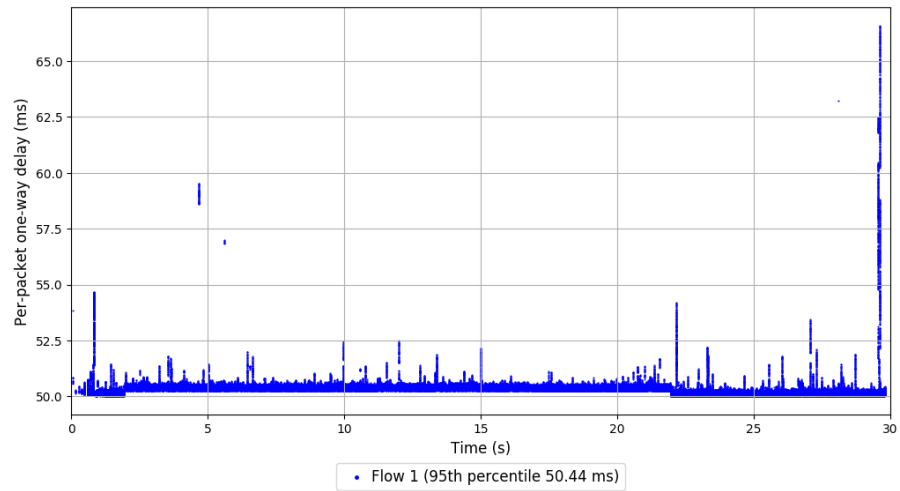
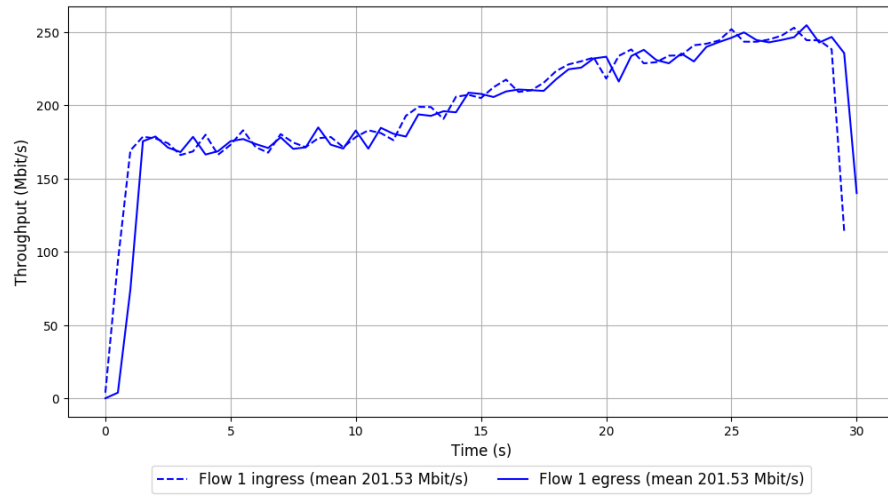
-- Flow 1:

Average throughput: 201.53 Mbit/s

95th percentile per-packet one-way delay: 50.437 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-01 13:33:30

End at: 2018-07-01 13:34:00

Local clock offset: 0.059 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.65 Mbit/s

95th percentile per-packet one-way delay: 50.536 ms

Loss rate: 0.00%

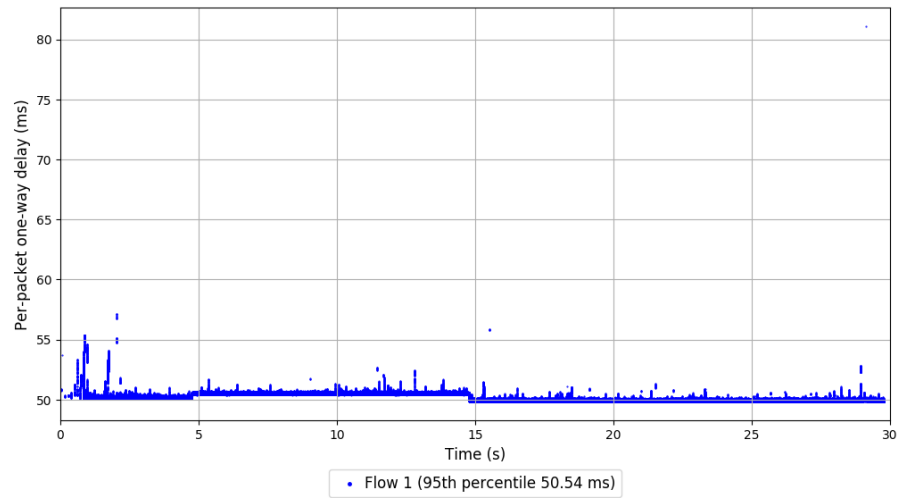
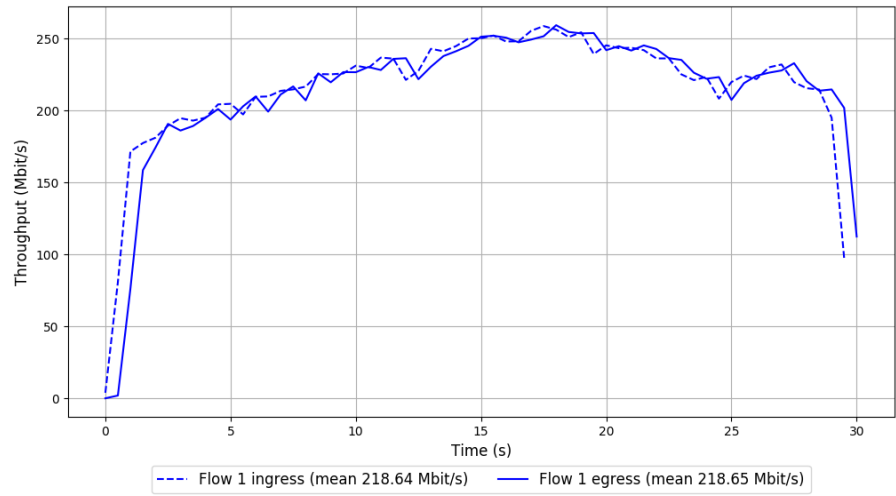
-- Flow 1:

Average throughput: 218.65 Mbit/s

95th percentile per-packet one-way delay: 50.536 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

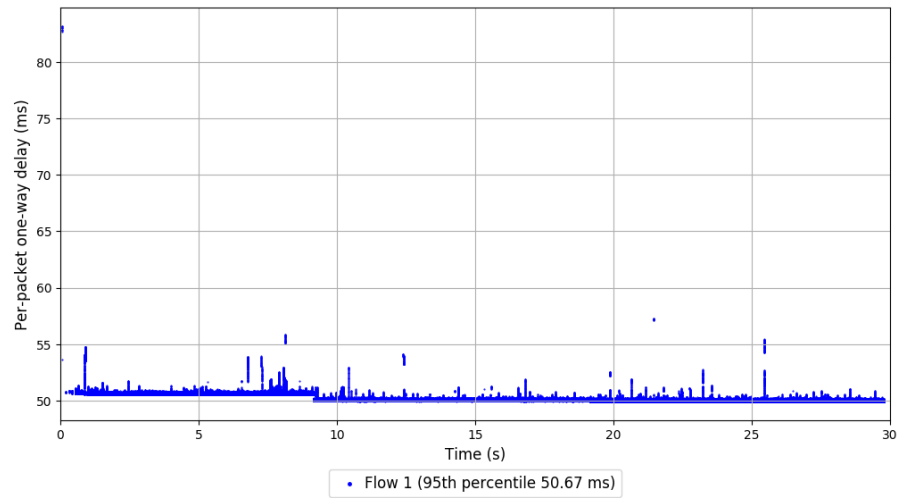
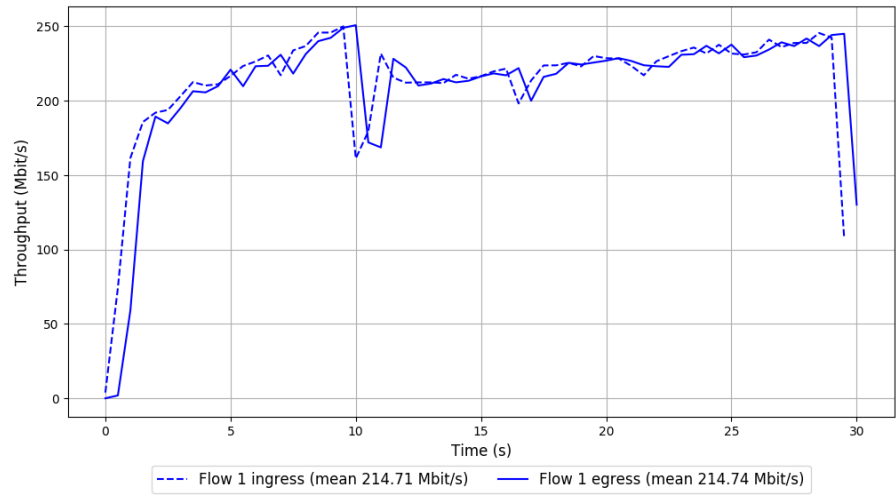


Run 8: Statistics of Indigo

Start at: 2018-07-01 13:54:46
End at: 2018-07-01 13:55:16
Local clock offset: 0.089 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.74 Mbit/s
95th percentile per-packet one-way delay: 50.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.74 Mbit/s
95th percentile per-packet one-way delay: 50.671 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-01 14:16:02

End at: 2018-07-01 14:16:32

Local clock offset: 0.08 ms

Remote clock offset: 1.225 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.92 Mbit/s

95th percentile per-packet one-way delay: 51.909 ms

Loss rate: 0.00%

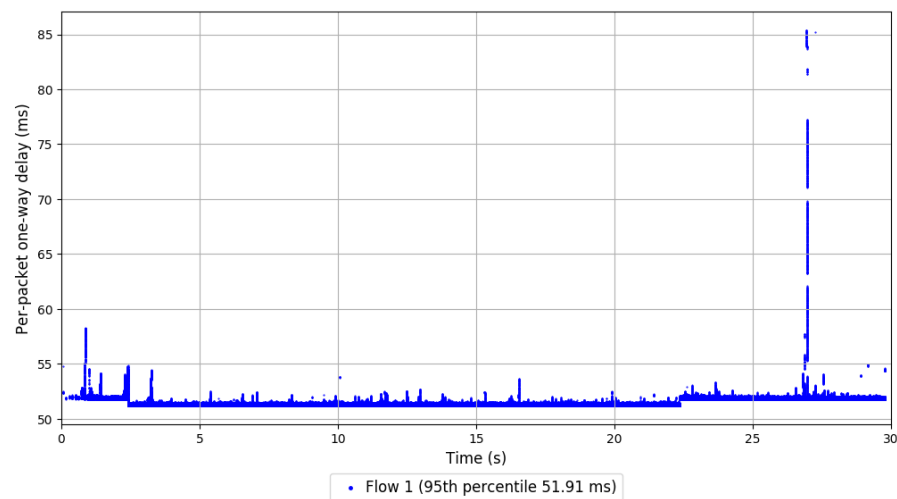
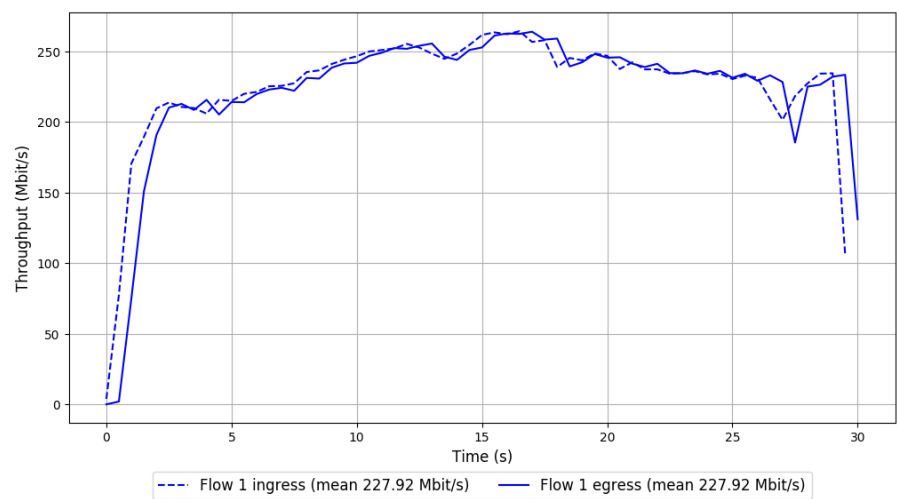
-- Flow 1:

Average throughput: 227.92 Mbit/s

95th percentile per-packet one-way delay: 51.909 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-01 14:37:38

End at: 2018-07-01 14:38:08

Local clock offset: 0.225 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.93 Mbit/s

95th percentile per-packet one-way delay: 49.900 ms

Loss rate: 0.00%

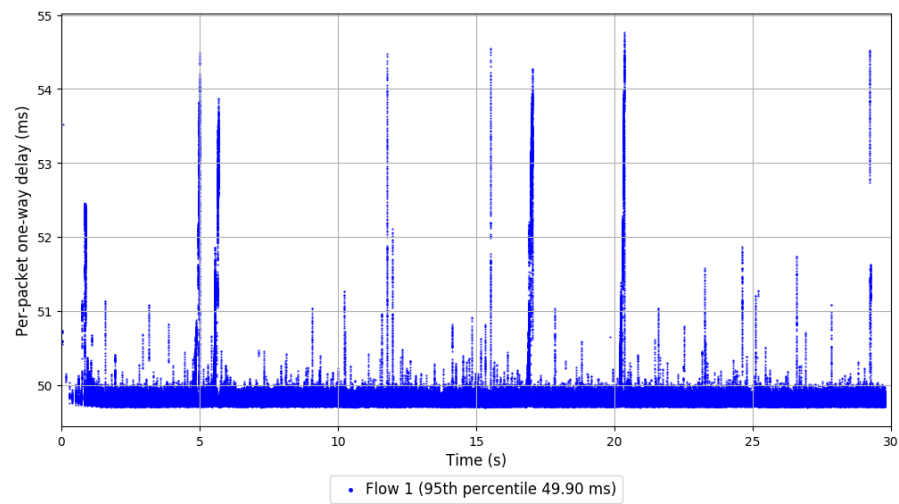
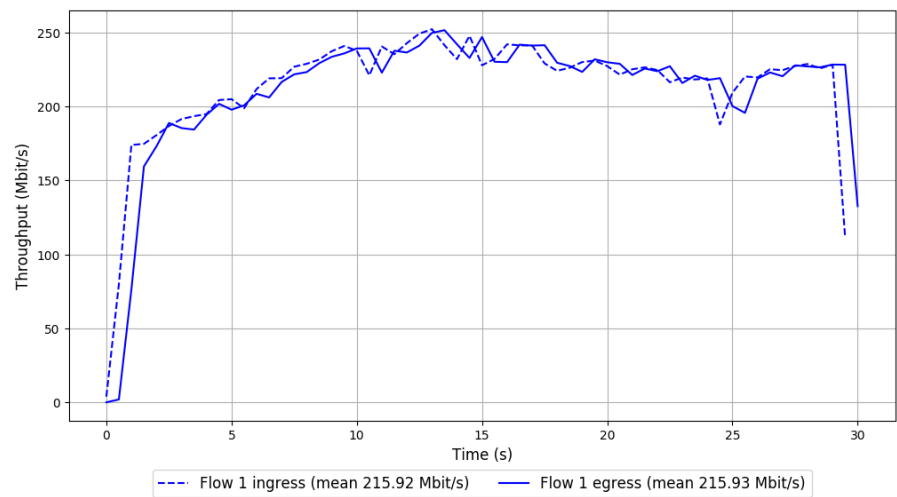
-- Flow 1:

Average throughput: 215.93 Mbit/s

95th percentile per-packet one-way delay: 49.900 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

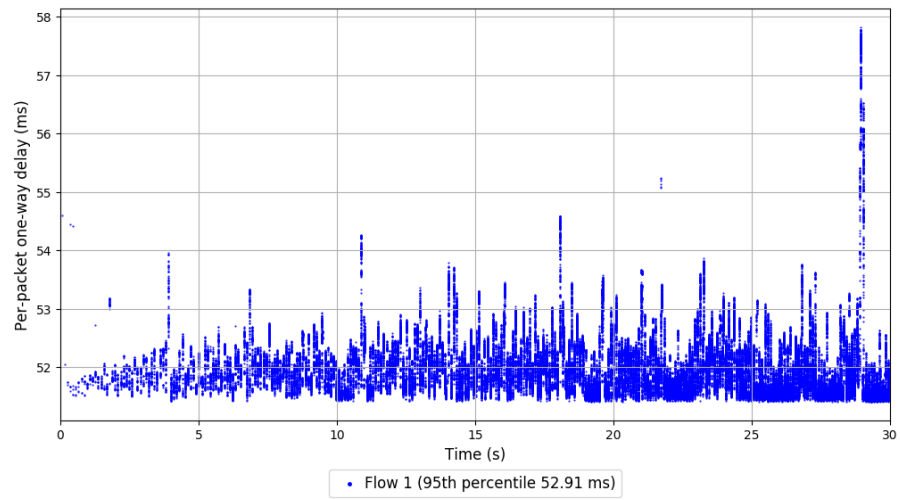
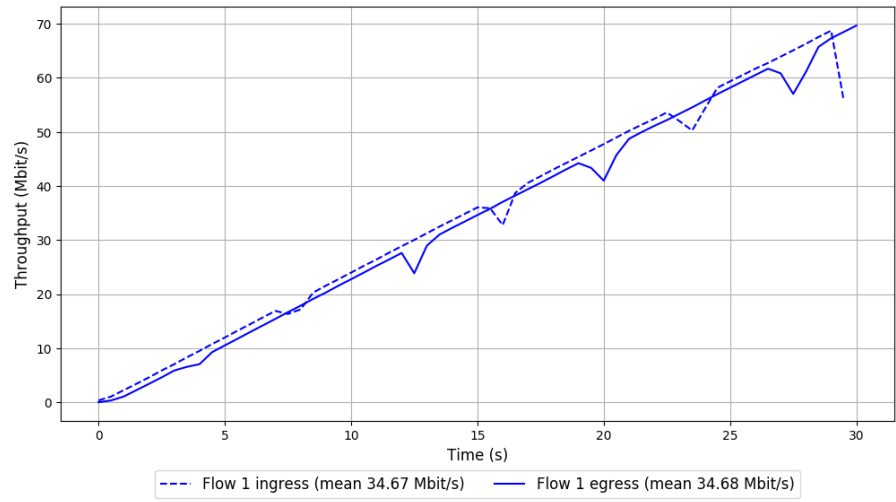


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-01 11:28:45
End at: 2018-07-01 11:29:15
Local clock offset: 0.167 ms
Remote clock offset: 1.284 ms

# Below is generated by plot.py at 2018-07-01 15:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 52.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 52.912 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-01 11:50:26

End at: 2018-07-01 11:50:56

Local clock offset: 0.359 ms

Remote clock offset: 1.355 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 52.719 ms

Loss rate: 0.00%

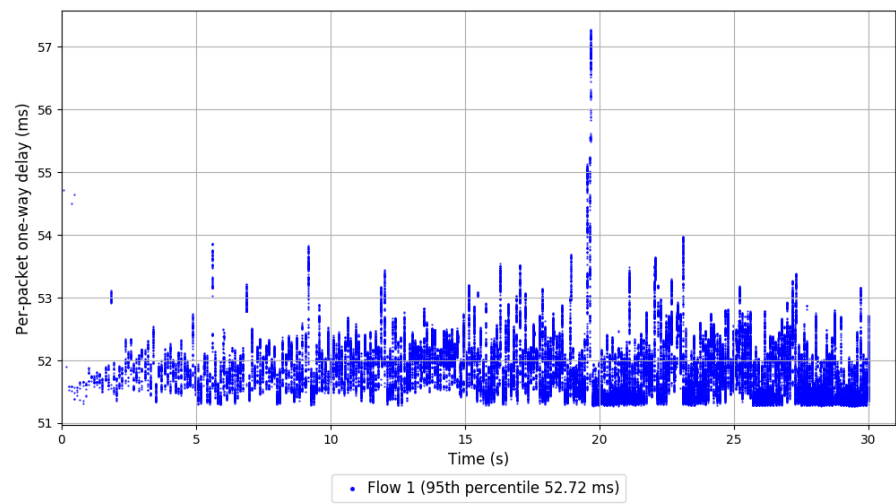
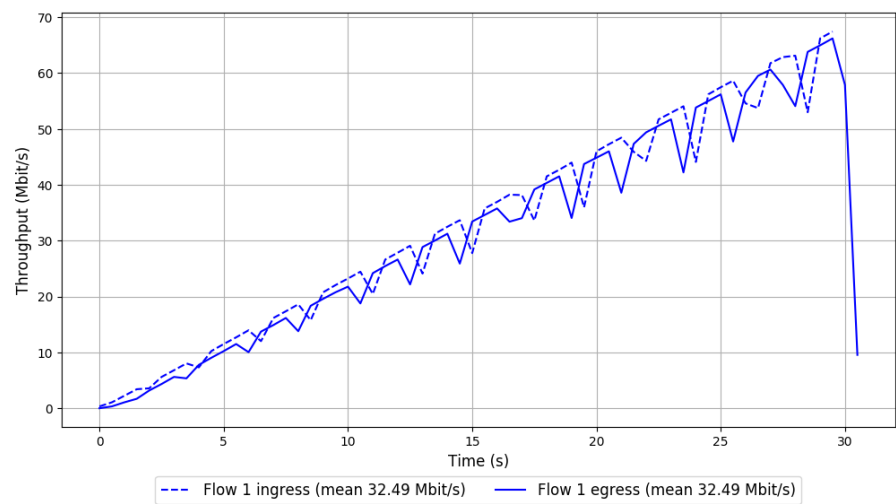
-- Flow 1:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 52.719 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

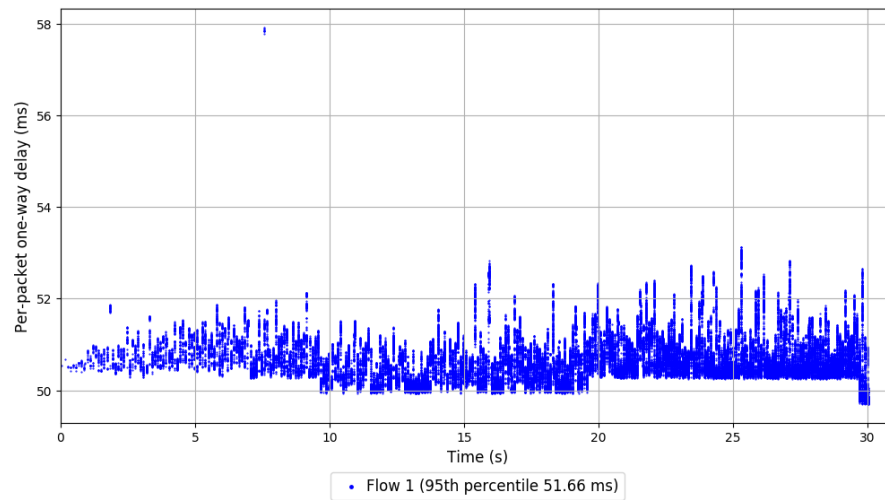
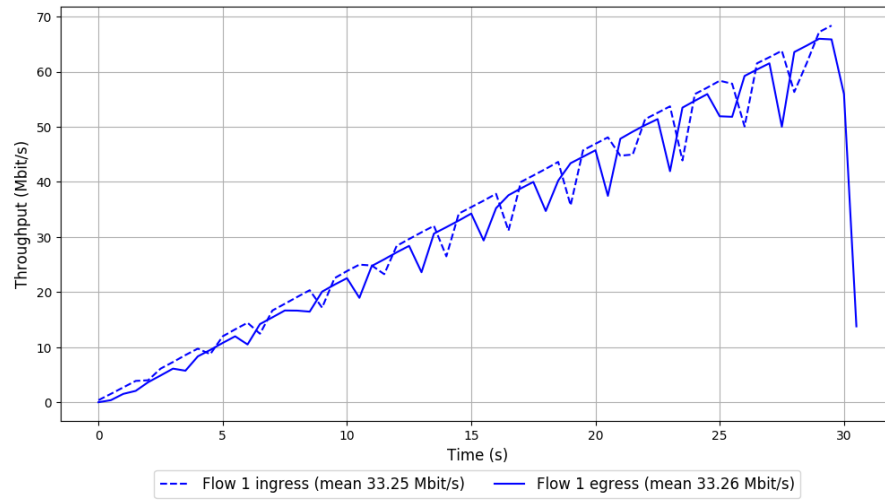


Run 3: Statistics of LEDBAT

Start at: 2018-07-01 12:12:15
End at: 2018-07-01 12:12:45
Local clock offset: 0.153 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 51.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 51.655 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

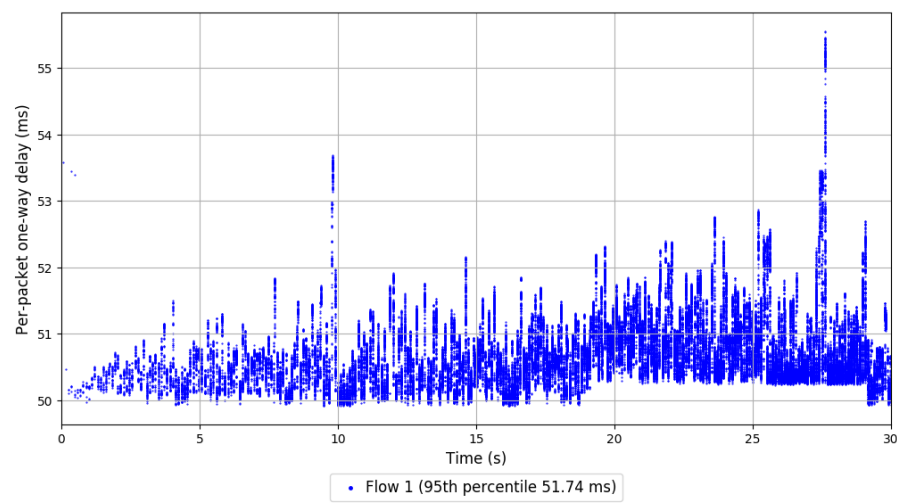
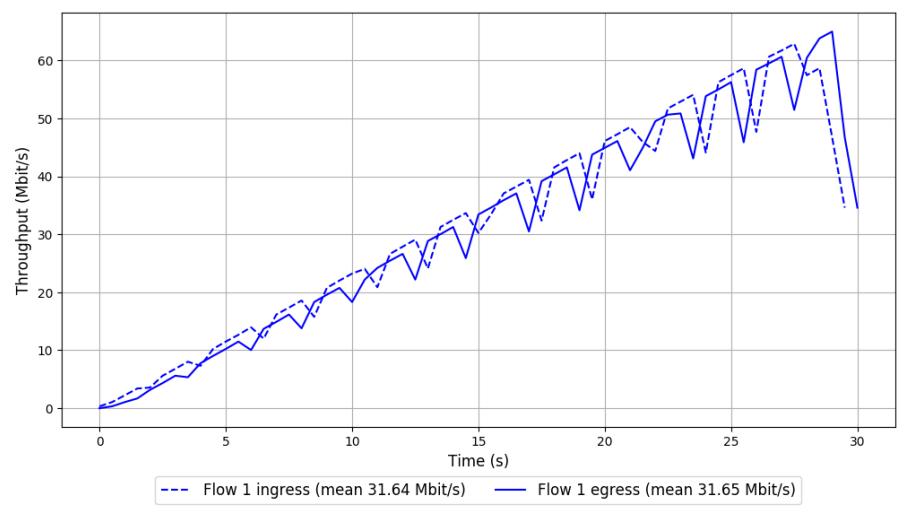


Run 4: Statistics of LEDBAT

Start at: 2018-07-01 12:33:46
End at: 2018-07-01 12:34:16
Local clock offset: 0.168 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 51.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 51.740 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-01 12:55:09

End at: 2018-07-01 12:55:39

Local clock offset: -0.005 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.61 Mbit/s

95th percentile per-packet one-way delay: 52.023 ms

Loss rate: 0.00%

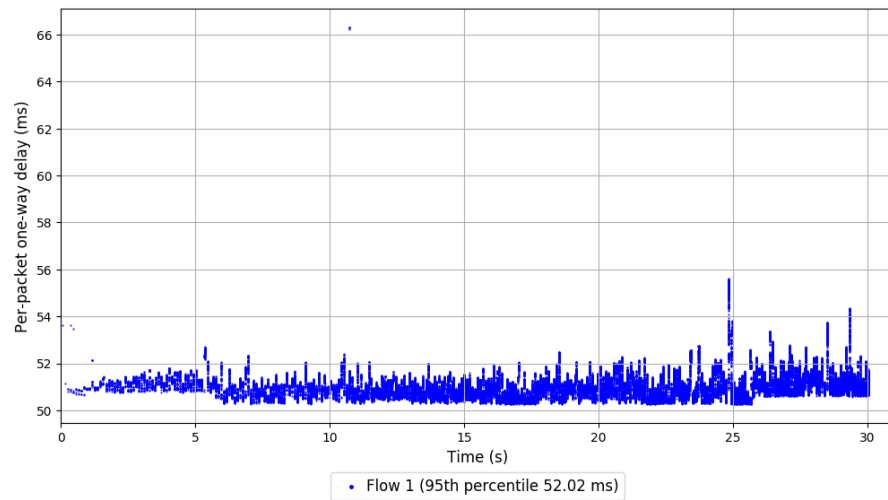
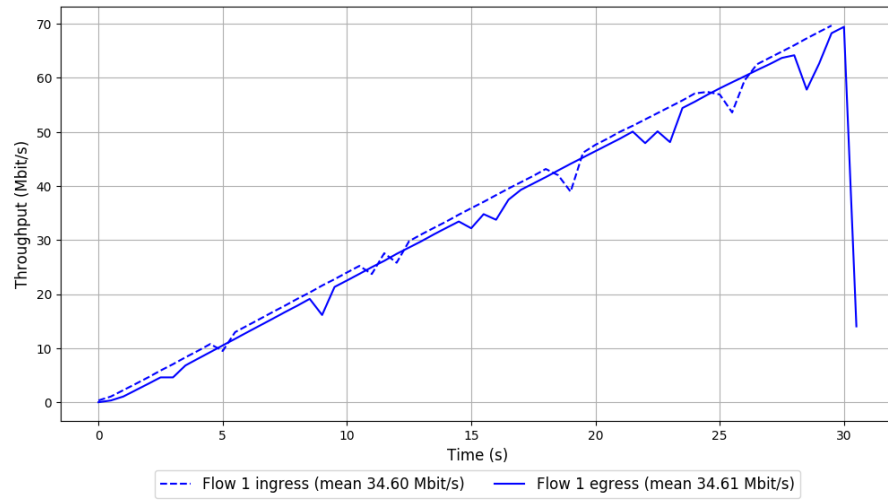
-- Flow 1:

Average throughput: 34.61 Mbit/s

95th percentile per-packet one-way delay: 52.023 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-01 13:16:48

End at: 2018-07-01 13:17:18

Local clock offset: 0.102 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 51.774 ms

Loss rate: 0.00%

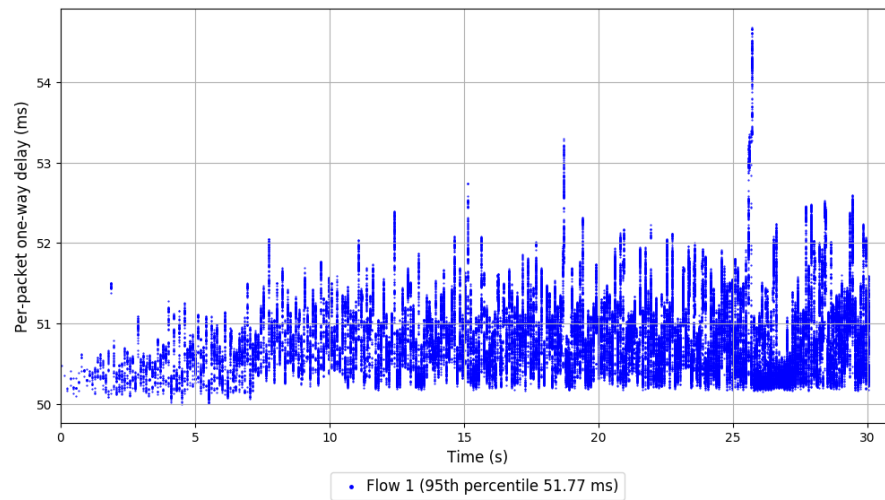
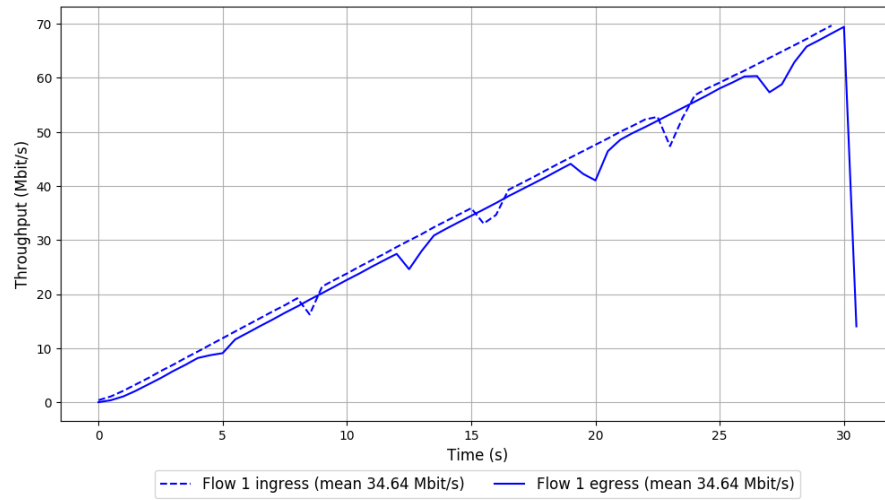
-- Flow 1:

Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 51.774 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-01 13:38:16

End at: 2018-07-01 13:38:46

Local clock offset: -0.094 ms

Remote clock offset: 0.953 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 51.797 ms

Loss rate: 0.00%

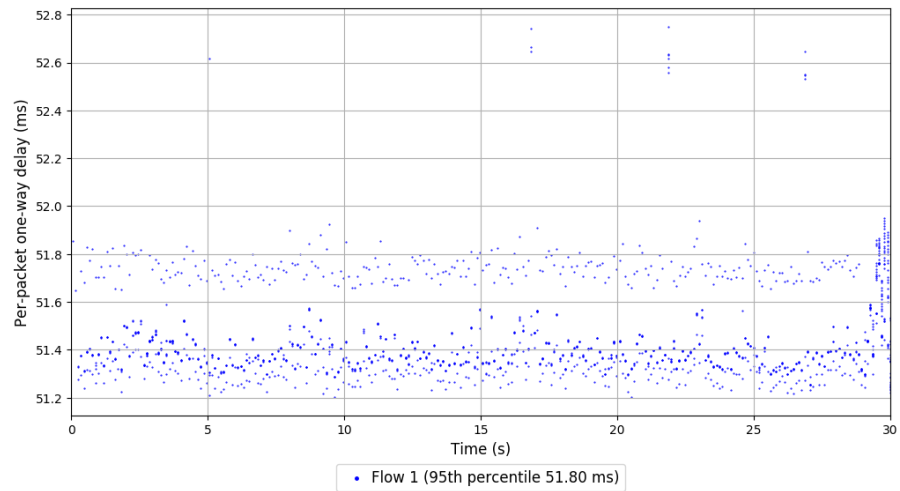
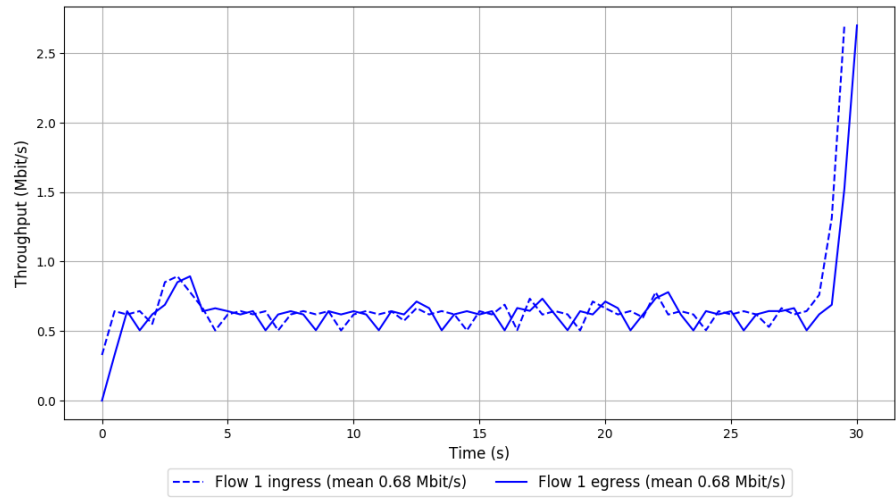
-- Flow 1:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 51.797 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-01 13:59:31

End at: 2018-07-01 14:00:01

Local clock offset: 0.157 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.61 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

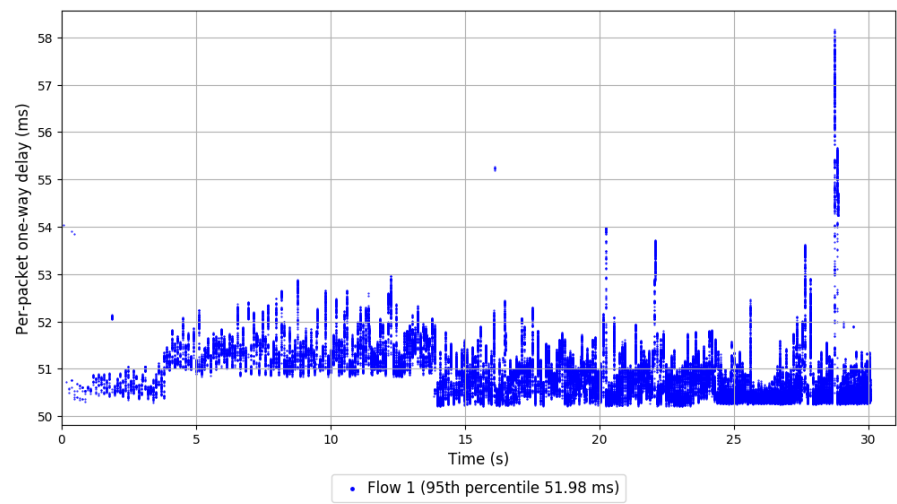
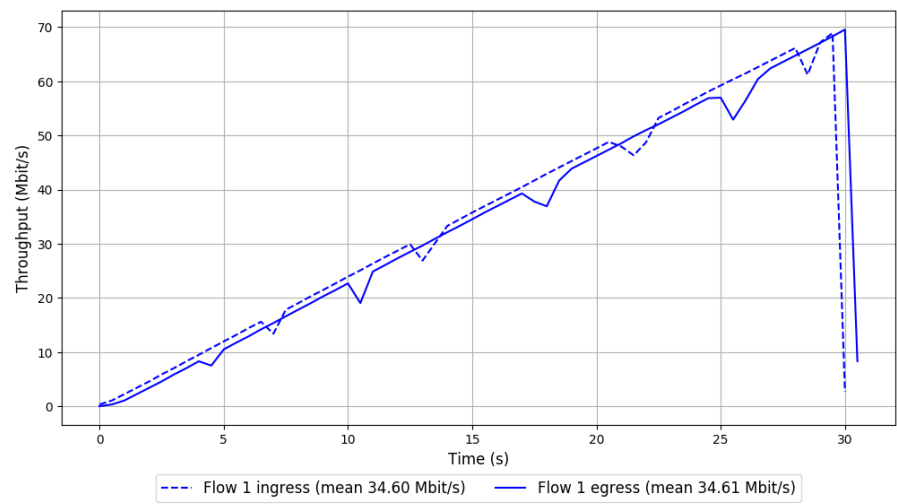
-- Flow 1:

Average throughput: 34.61 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

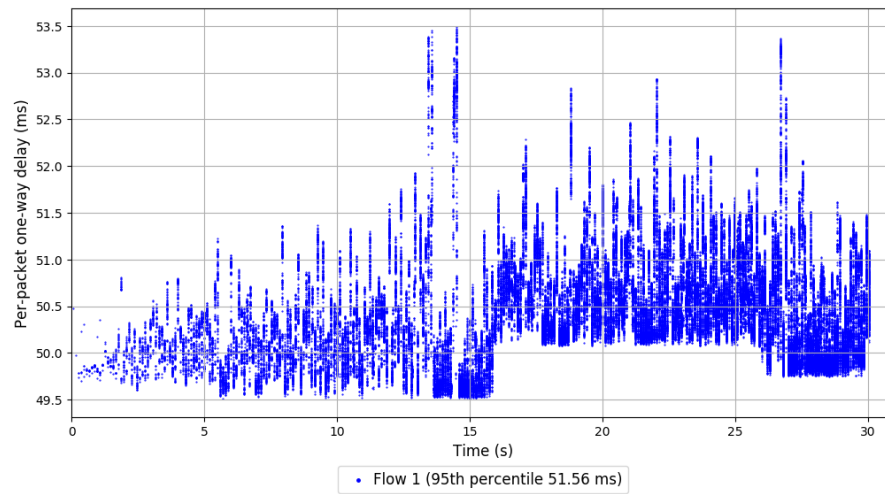
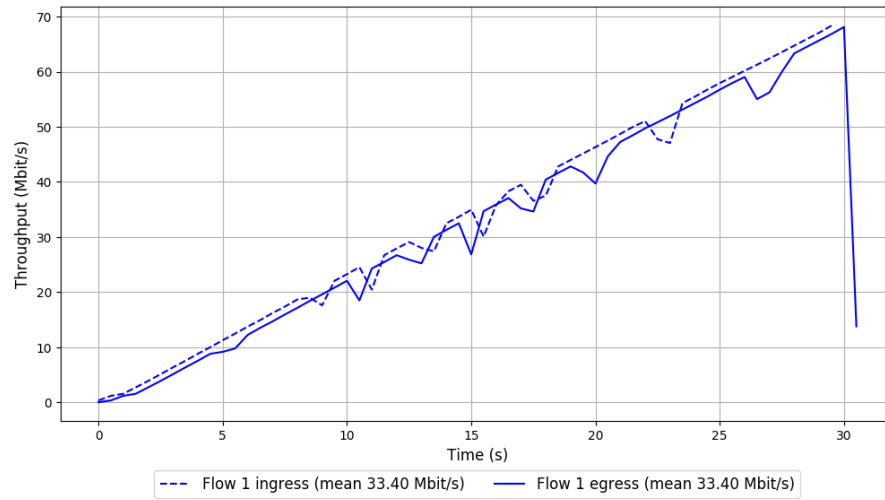


Run 9: Statistics of LEDBAT

Start at: 2018-07-01 14:20:49
End at: 2018-07-01 14:21:19
Local clock offset: 0.382 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-01 15:42:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 51.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 51.559 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-01 14:42:24

End at: 2018-07-01 14:42:54

Local clock offset: 0.196 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-01 15:42:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 51.005 ms

Loss rate: 0.00%

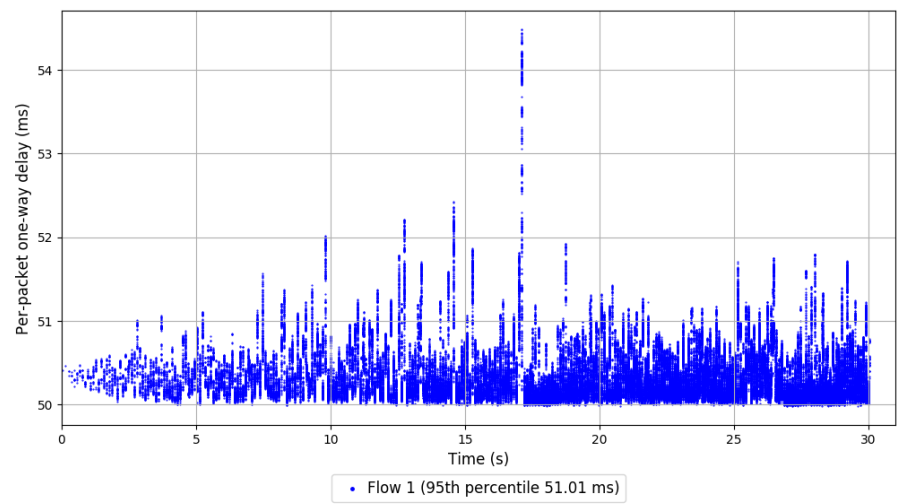
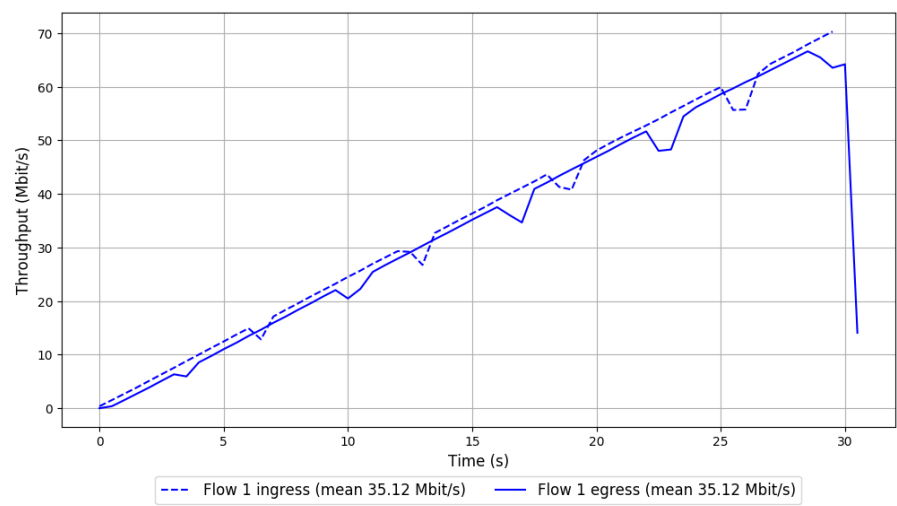
-- Flow 1:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 51.005 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

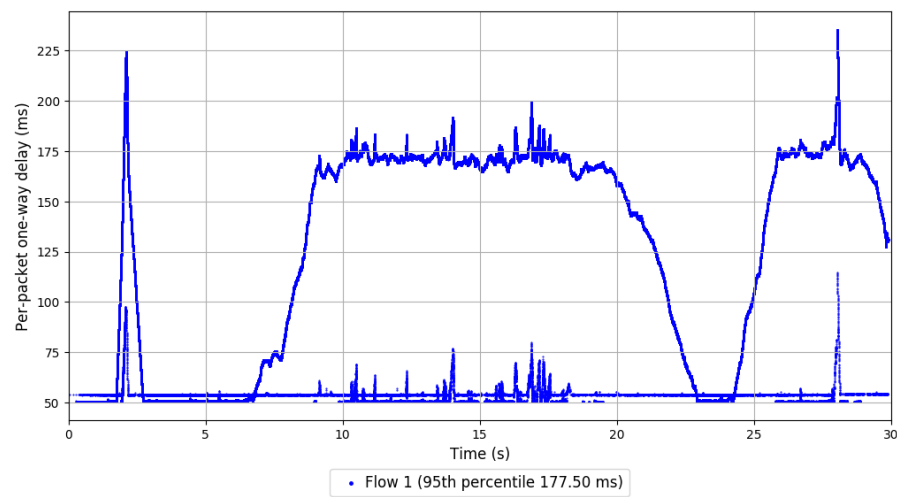
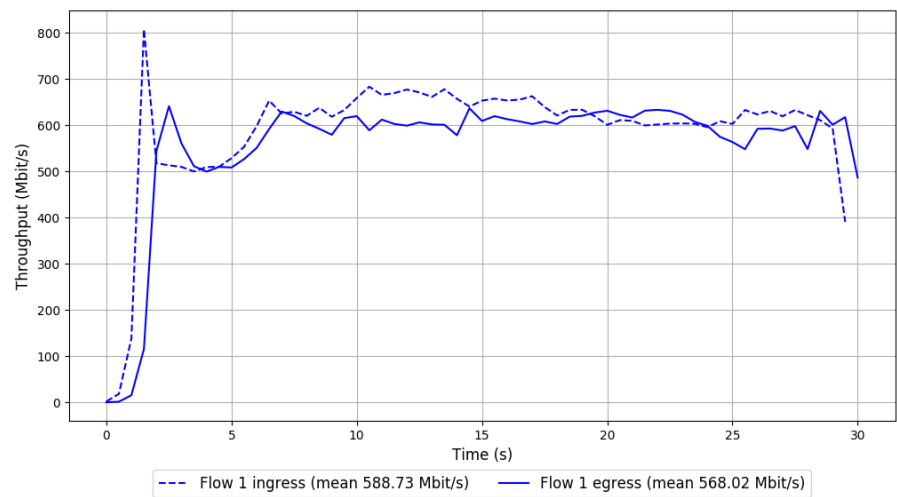


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-01 11:11:27
End at: 2018-07-01 11:11:57
Local clock offset: 0.068 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-07-01 15:42:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 568.02 Mbit/s
95th percentile per-packet one-way delay: 177.498 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 568.02 Mbit/s
95th percentile per-packet one-way delay: 177.498 ms
Loss rate: 3.63%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-01 11:32:42

End at: 2018-07-01 11:33:12

Local clock offset: 0.214 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-07-01 15:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 572.28 Mbit/s

95th percentile per-packet one-way delay: 192.501 ms

Loss rate: 3.29%

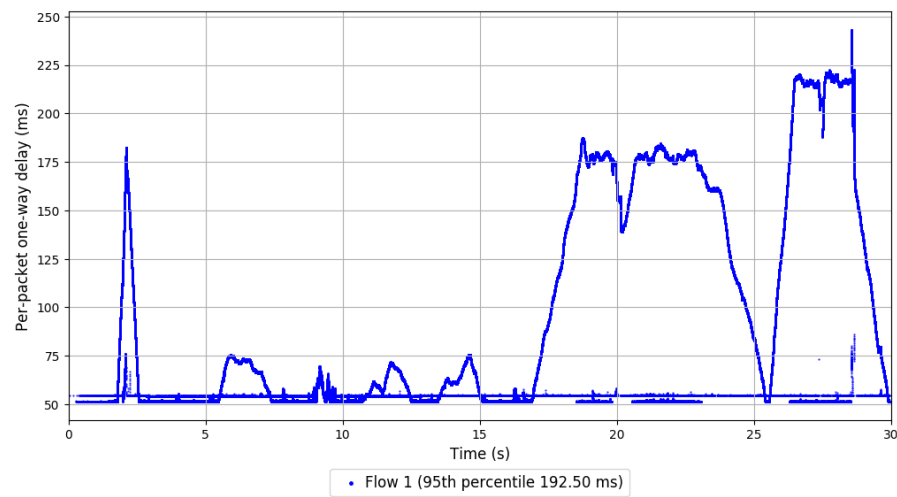
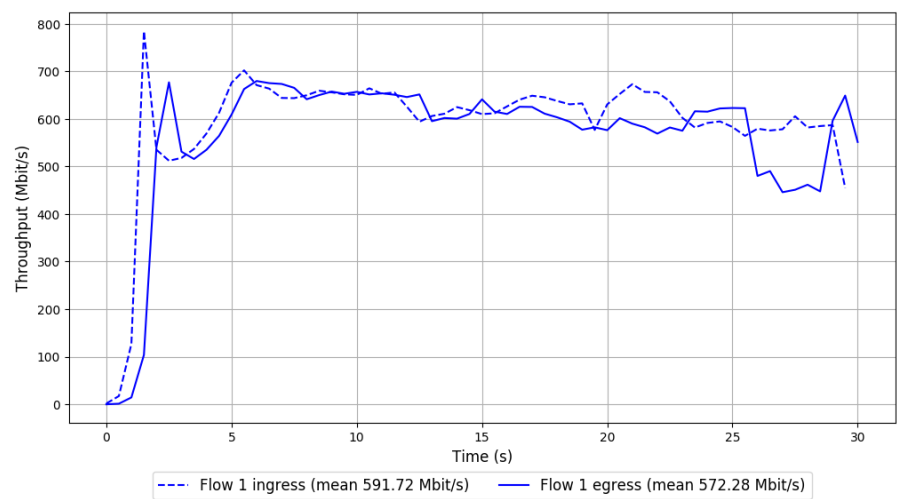
-- Flow 1:

Average throughput: 572.28 Mbit/s

95th percentile per-packet one-way delay: 192.501 ms

Loss rate: 3.29%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-01 11:54:26

End at: 2018-07-01 11:54:56

Local clock offset: 0.024 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-01 15:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.69 Mbit/s

95th percentile per-packet one-way delay: 143.997 ms

Loss rate: 0.47%

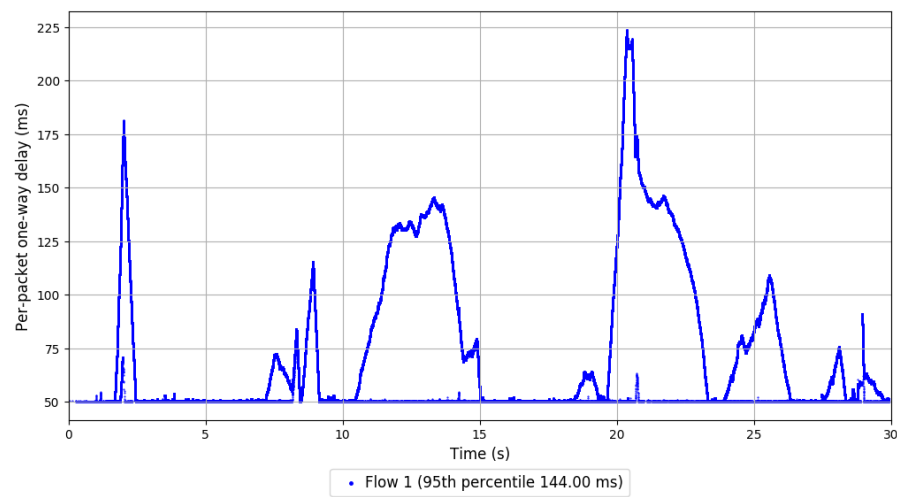
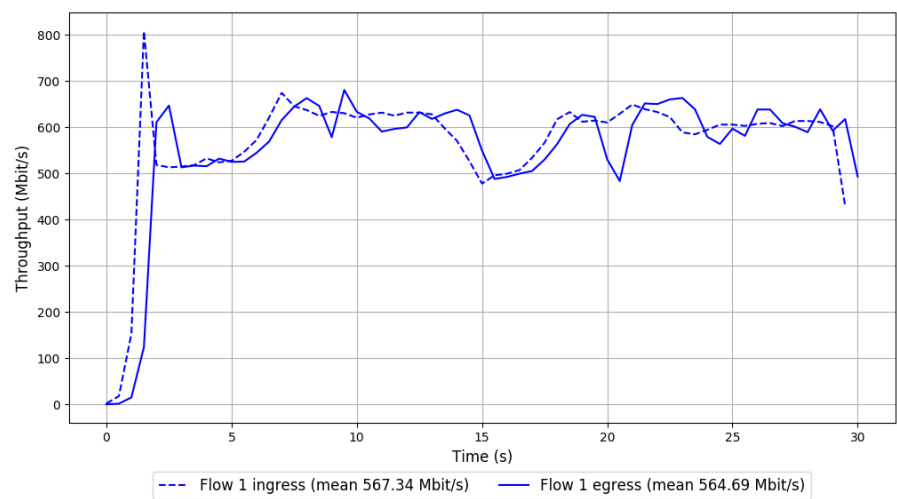
-- Flow 1:

Average throughput: 564.69 Mbit/s

95th percentile per-packet one-way delay: 143.997 ms

Loss rate: 0.47%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-01 12:16:15

End at: 2018-07-01 12:16:45

Local clock offset: 0.129 ms

Remote clock offset: -1.333 ms

Below is generated by plot.py at 2018-07-01 15:42:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 591.52 Mbit/s

95th percentile per-packet one-way delay: 128.358 ms

Loss rate: 0.28%

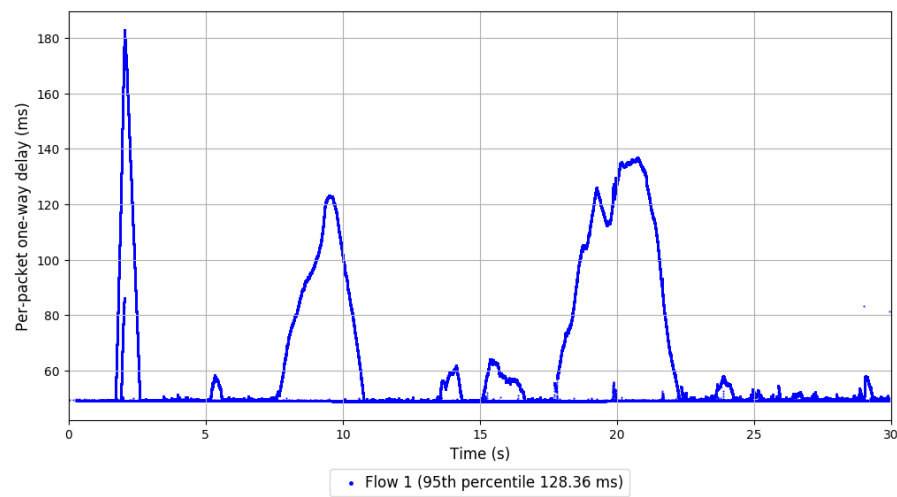
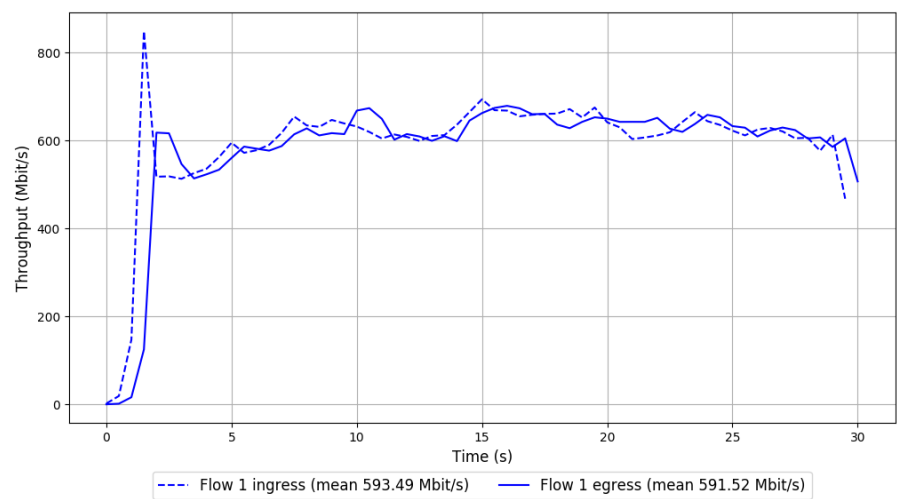
-- Flow 1:

Average throughput: 591.52 Mbit/s

95th percentile per-packet one-way delay: 128.358 ms

Loss rate: 0.28%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-01 12:37:42

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

Local clock offset: 0.095 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-01 15:42:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.54 Mbit/s

95th percentile per-packet one-way delay: 221.386 ms

Loss rate: 8.07%

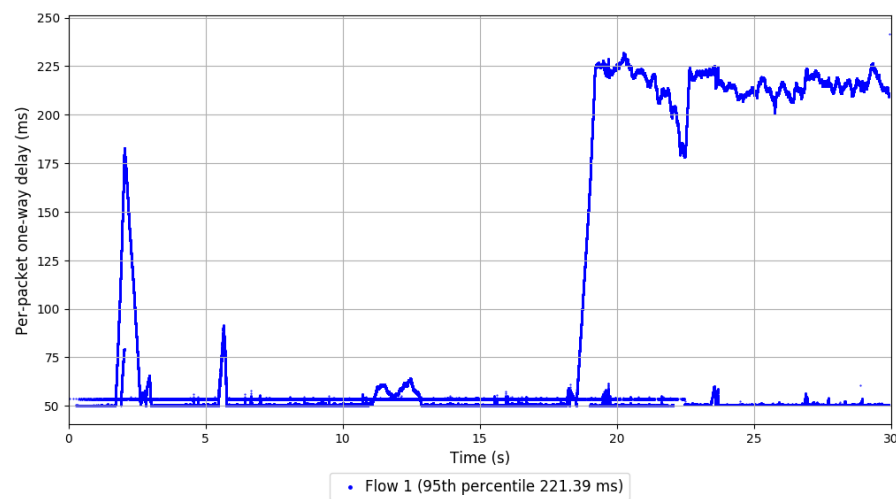
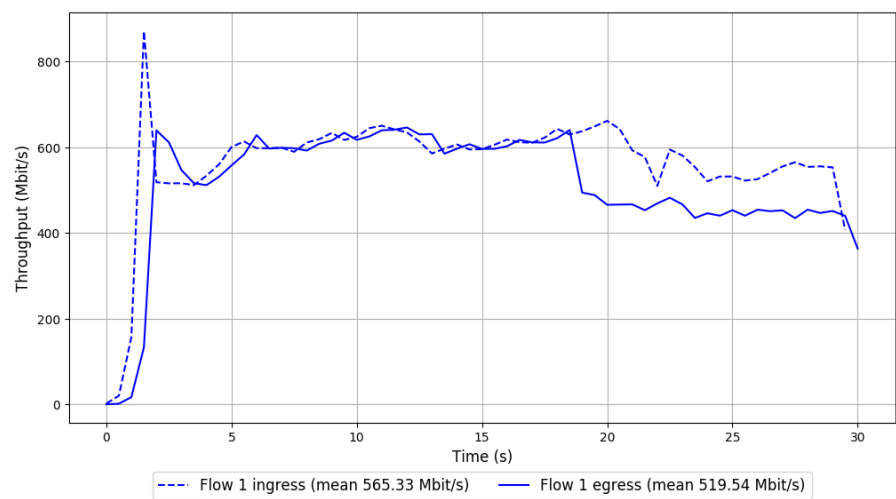
-- Flow 1:

Average throughput: 519.54 Mbit/s

95th percentile per-packet one-way delay: 221.386 ms

Loss rate: 8.07%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-01 12:59:08

End at: 2018-07-01 12:59:38

Local clock offset: 0.014 ms

Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-01 15:43:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.13 Mbit/s

95th percentile per-packet one-way delay: 162.134 ms

Loss rate: 0.79%

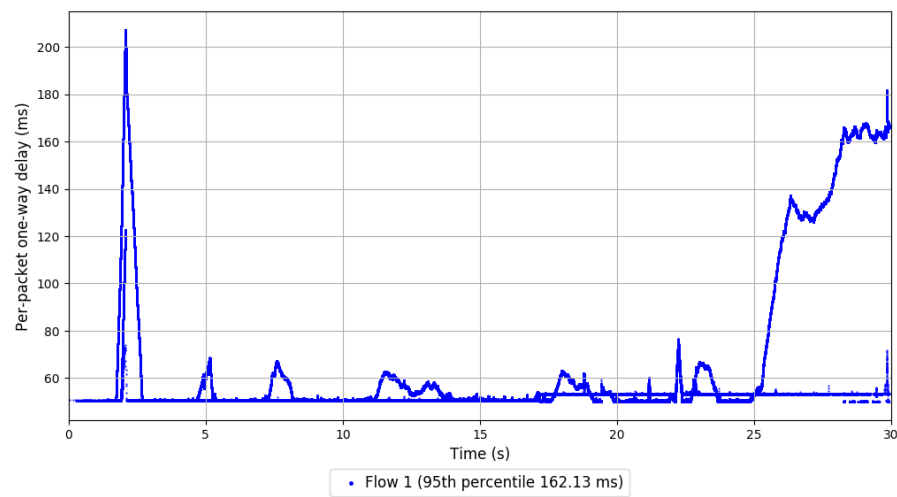
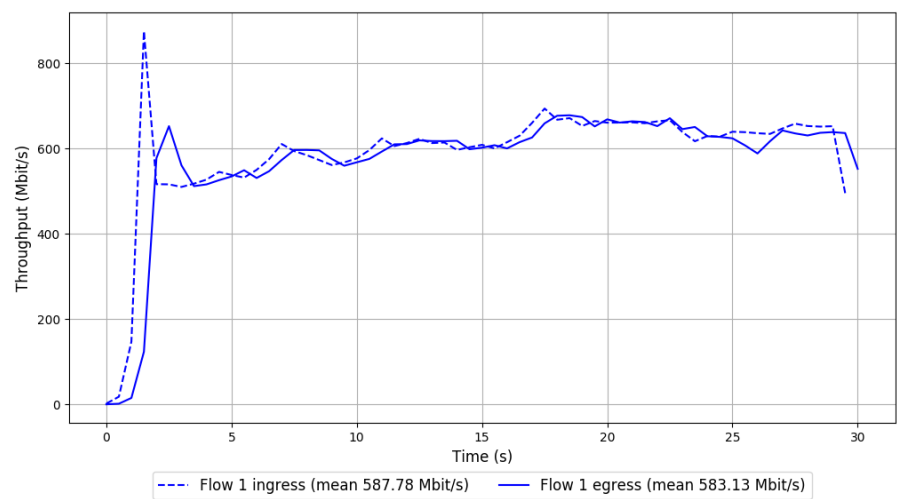
-- Flow 1:

Average throughput: 583.13 Mbit/s

95th percentile per-packet one-way delay: 162.134 ms

Loss rate: 0.79%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-01 13:20:44

End at: 2018-07-01 13:21:14

Local clock offset: 0.101 ms

Remote clock offset: -1.292 ms

Below is generated by plot.py at 2018-07-01 15:50:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 534.20 Mbit/s

95th percentile per-packet one-way delay: 171.785 ms

Loss rate: 0.90%

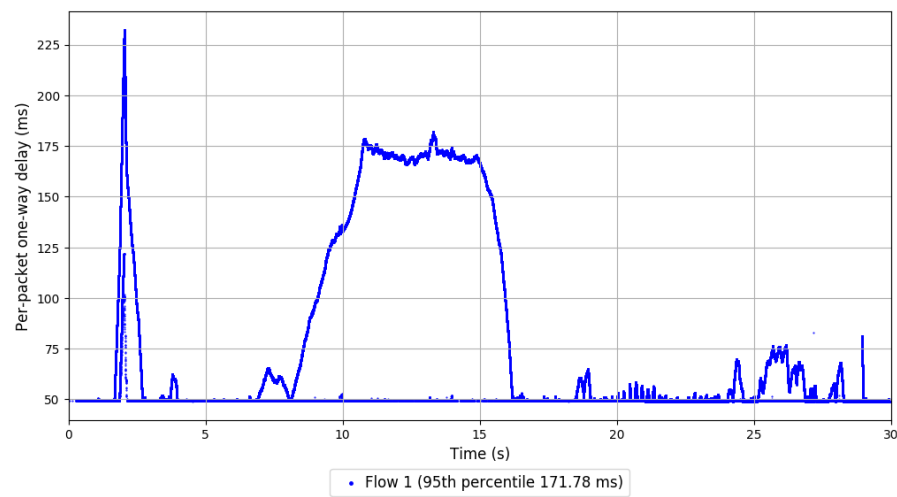
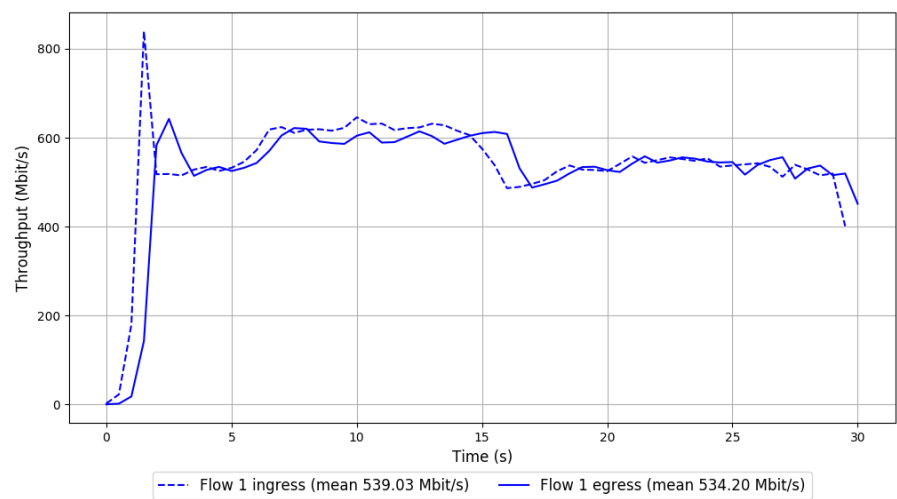
-- Flow 1:

Average throughput: 534.20 Mbit/s

95th percentile per-packet one-way delay: 171.785 ms

Loss rate: 0.90%

Run 7: Report of PCC-Allegro — Data Link

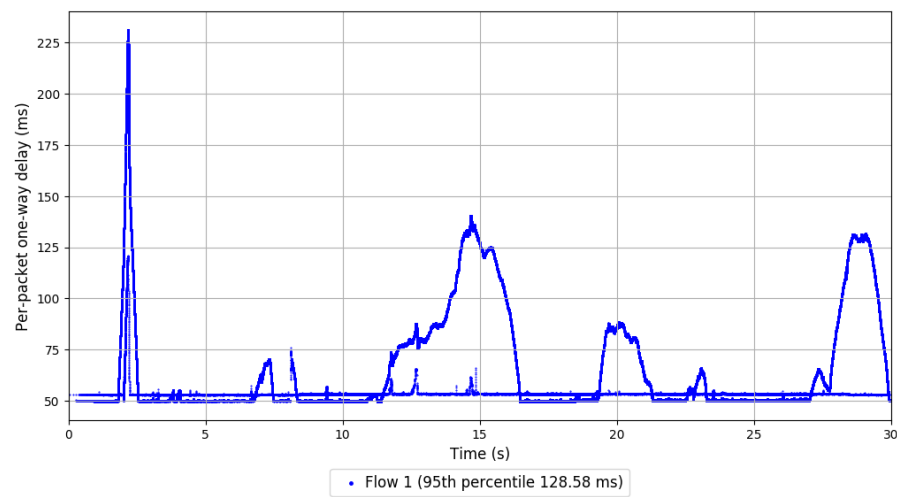
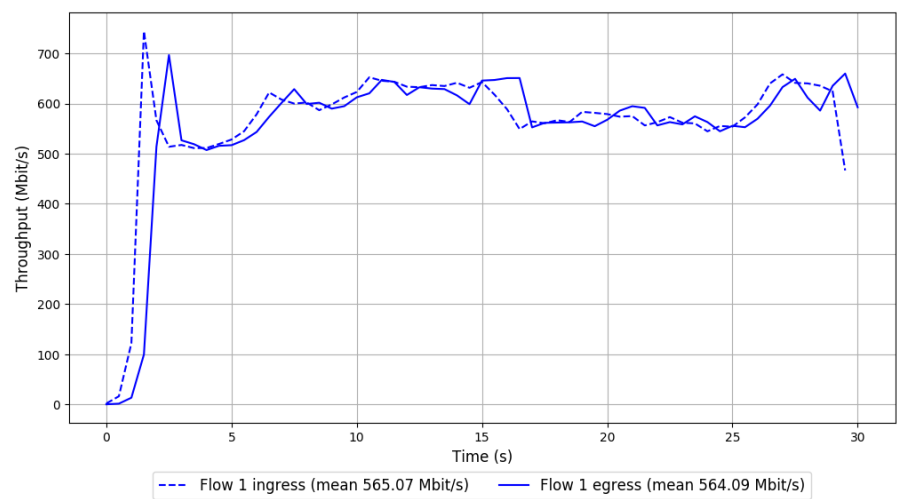


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-01 13:42:17
End at: 2018-07-01 13:42:47
Local clock offset: 0.173 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-01 15:51:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 564.09 Mbit/s
95th percentile per-packet one-way delay: 128.580 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 564.09 Mbit/s
95th percentile per-packet one-way delay: 128.580 ms
Loss rate: 0.18%

Run 8: Report of PCC-Allegro — Data Link

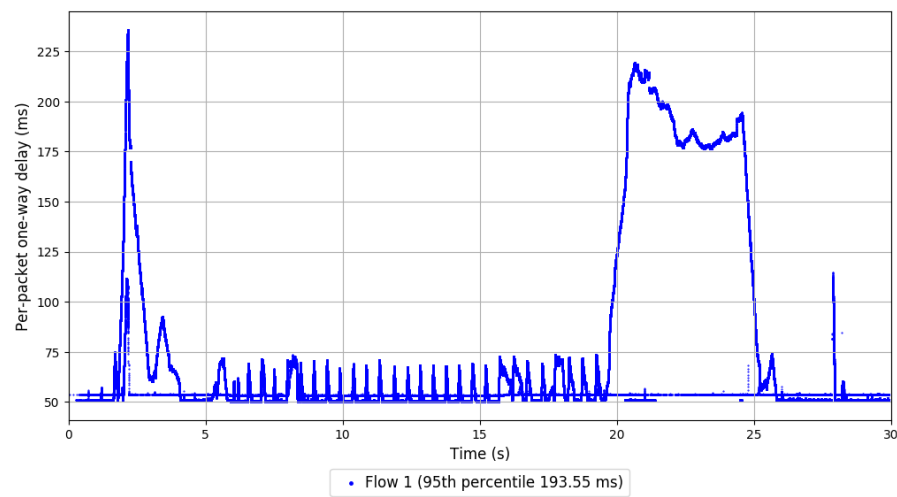
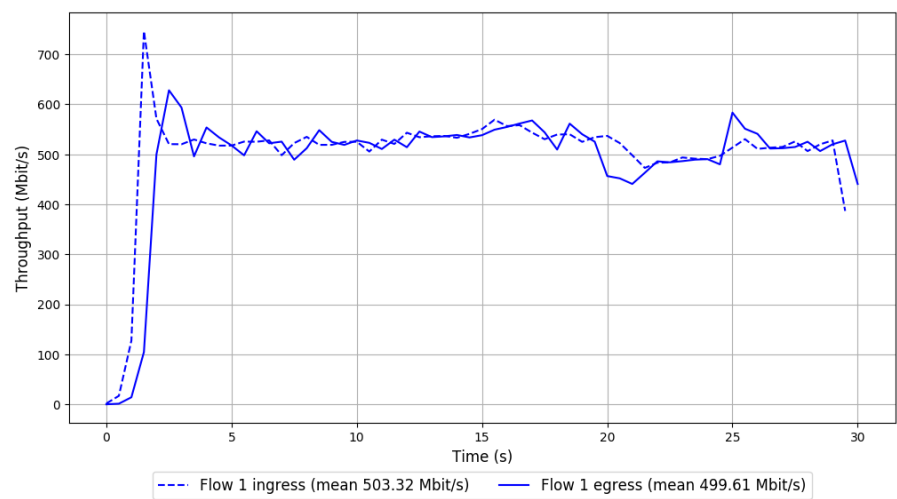


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-01 14:03:29
End at: 2018-07-01 14:03:59
Local clock offset: -0.083 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-01 15:51:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.61 Mbit/s
95th percentile per-packet one-way delay: 193.554 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 499.61 Mbit/s
95th percentile per-packet one-way delay: 193.554 ms
Loss rate: 0.75%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-01 14:24:46

End at: 2018-07-01 14:25:16

Local clock offset: 0.081 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-01 15:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 555.34 Mbit/s

95th percentile per-packet one-way delay: 173.360 ms

Loss rate: 2.01%

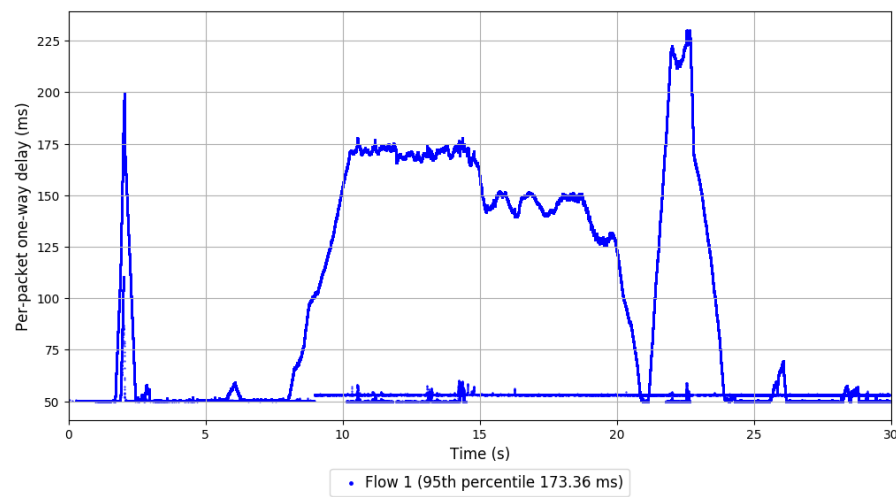
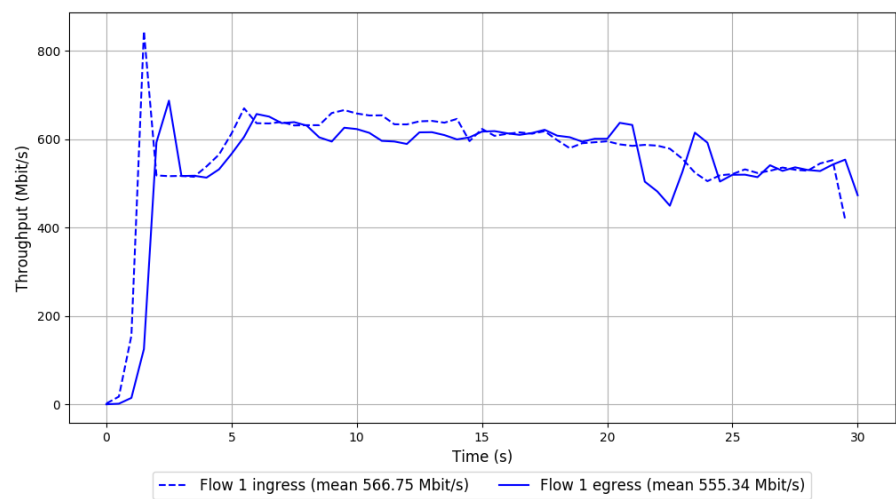
-- Flow 1:

Average throughput: 555.34 Mbit/s

95th percentile per-packet one-way delay: 173.360 ms

Loss rate: 2.01%

Run 10: Report of PCC-Allegro — Data Link

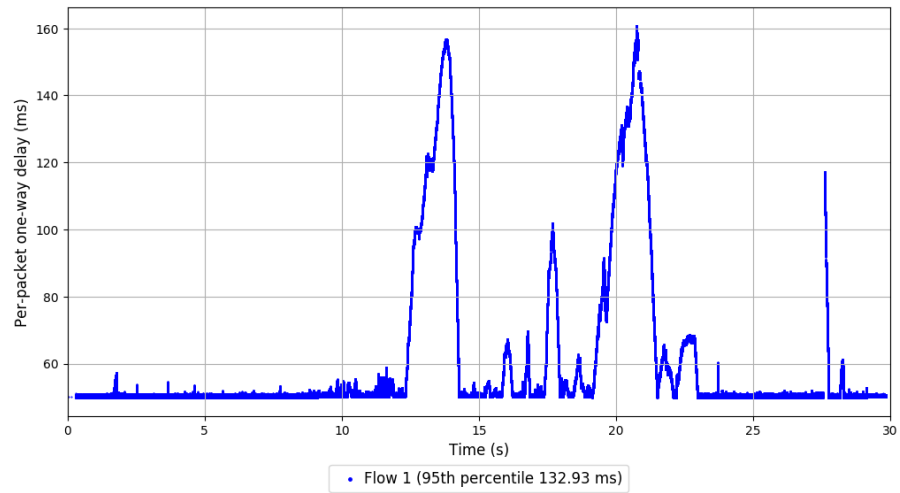
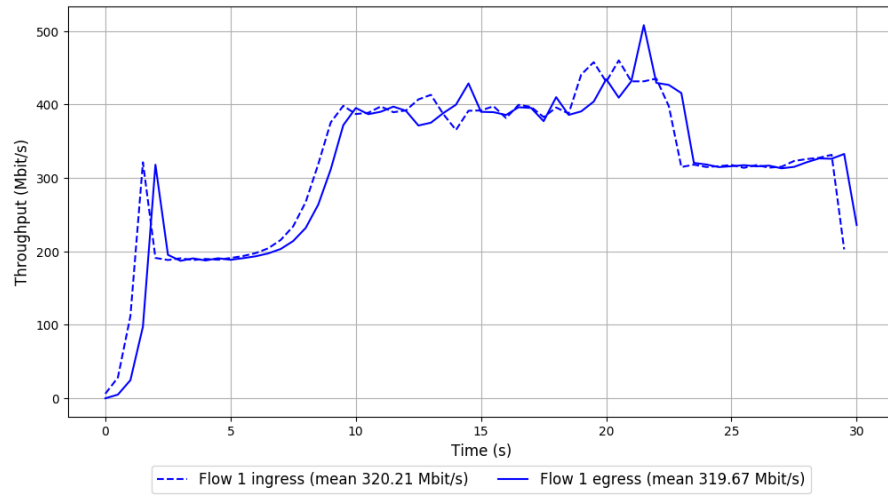


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-01 11:19:06
End at: 2018-07-01 11:19:36
Local clock offset: 0.225 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-07-01 15:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 319.67 Mbit/s
95th percentile per-packet one-way delay: 132.932 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 319.67 Mbit/s
95th percentile per-packet one-way delay: 132.932 ms
Loss rate: 0.17%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-01 11:40:28

End at: 2018-07-01 11:40:58

Local clock offset: 0.27 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-07-01 15:52:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.84 Mbit/s

95th percentile per-packet one-way delay: 64.250 ms

Loss rate: 0.07%

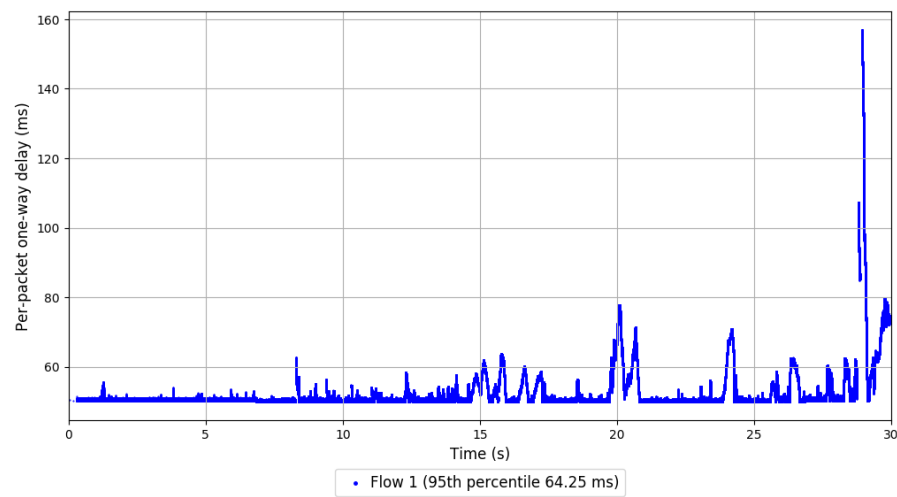
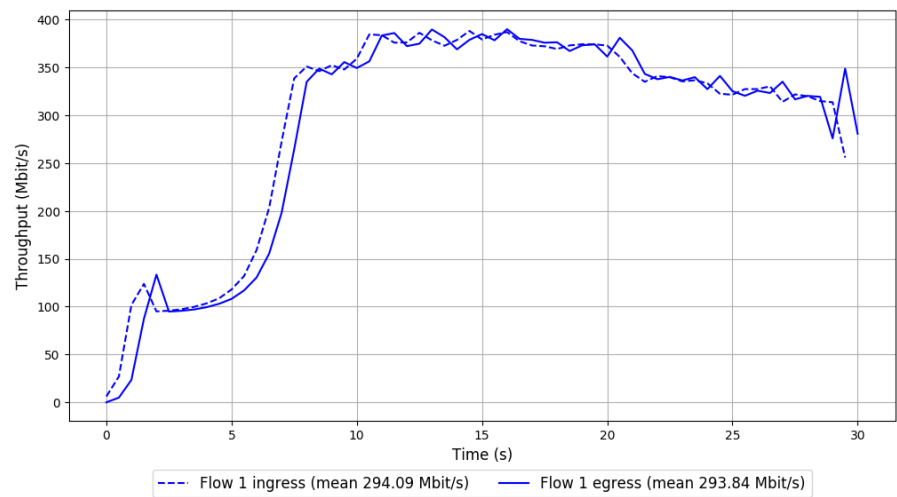
-- Flow 1:

Average throughput: 293.84 Mbit/s

95th percentile per-packet one-way delay: 64.250 ms

Loss rate: 0.07%

Run 2: Report of PCC-Expr — Data Link

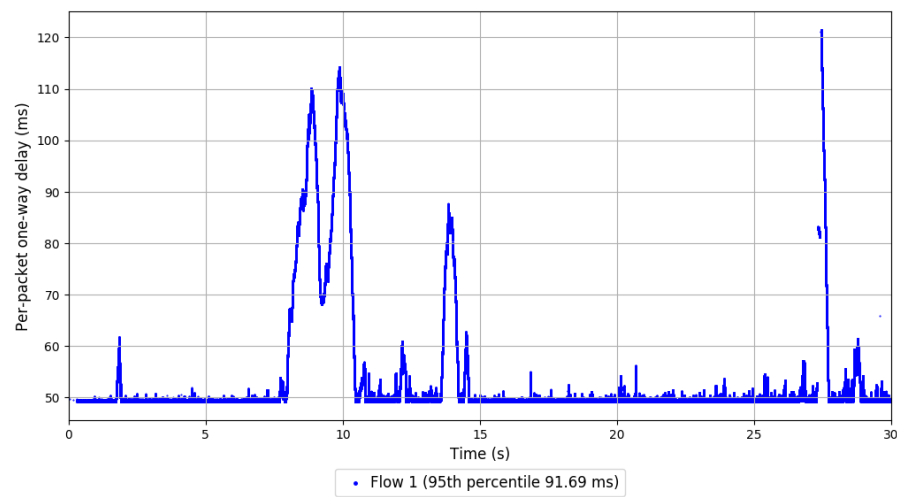
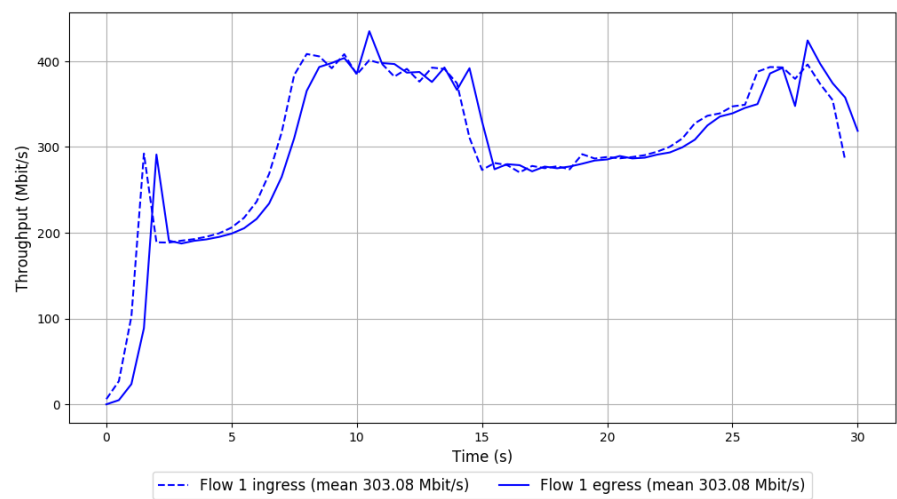


Run 3: Statistics of PCC-Expr

Start at: 2018-07-01 12:02:05
End at: 2018-07-01 12:02:35
Local clock offset: 0.104 ms
Remote clock offset: -1.066 ms

Below is generated by plot.py at 2018-07-01 15:52:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.08 Mbit/s
95th percentile per-packet one-way delay: 91.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 303.08 Mbit/s
95th percentile per-packet one-way delay: 91.690 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

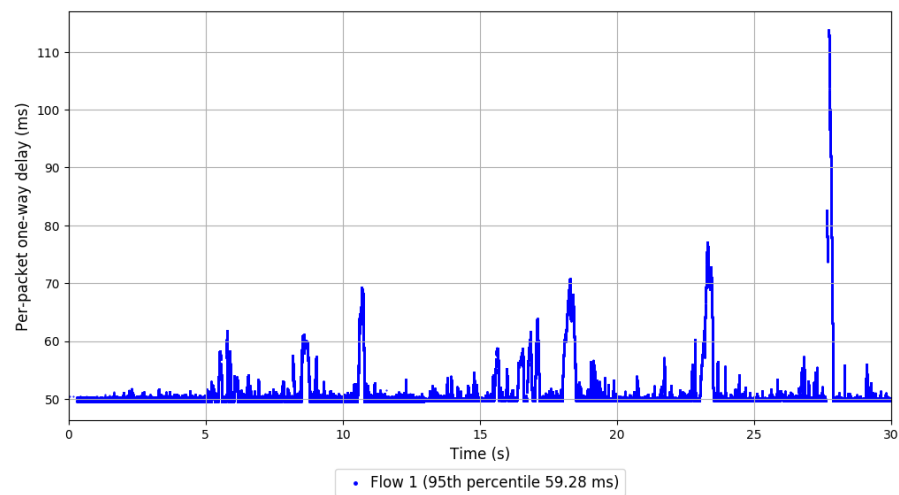
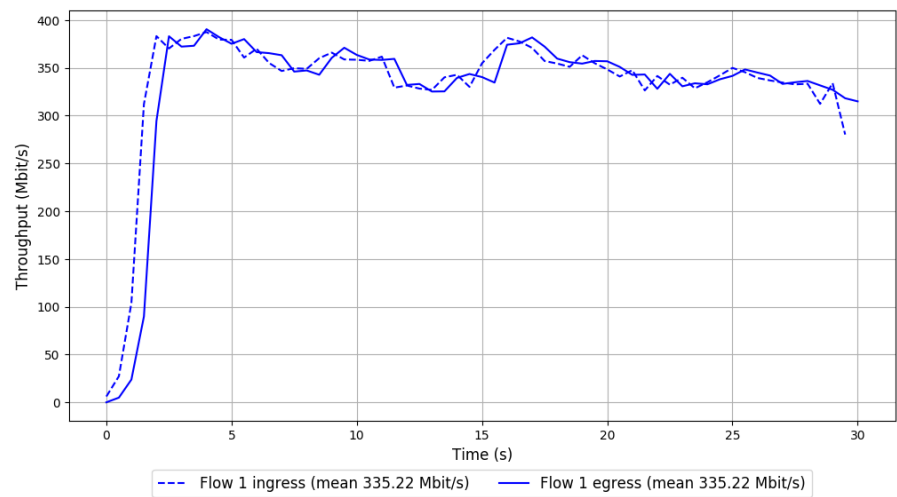


Run 4: Statistics of PCC-Expr

Start at: 2018-07-01 12:24:02
End at: 2018-07-01 12:24:32
Local clock offset: 0.374 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-01 15:54:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.22 Mbit/s
95th percentile per-packet one-way delay: 59.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 335.22 Mbit/s
95th percentile per-packet one-way delay: 59.281 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

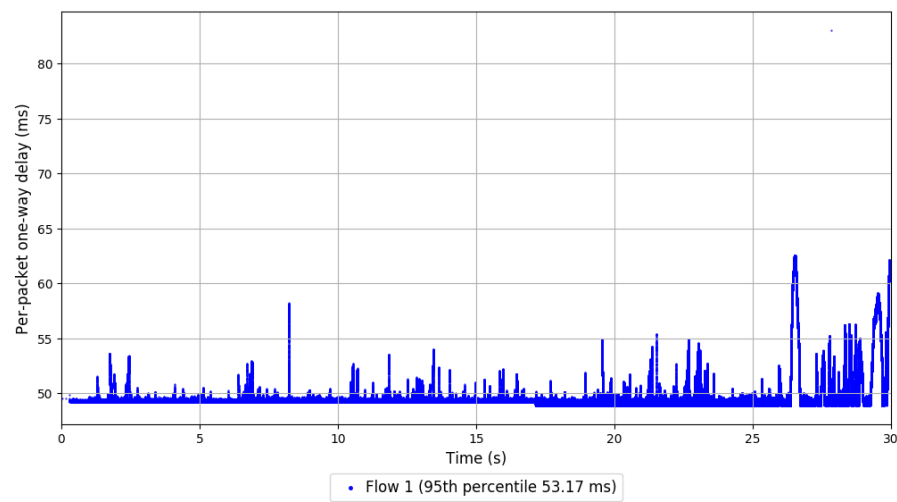
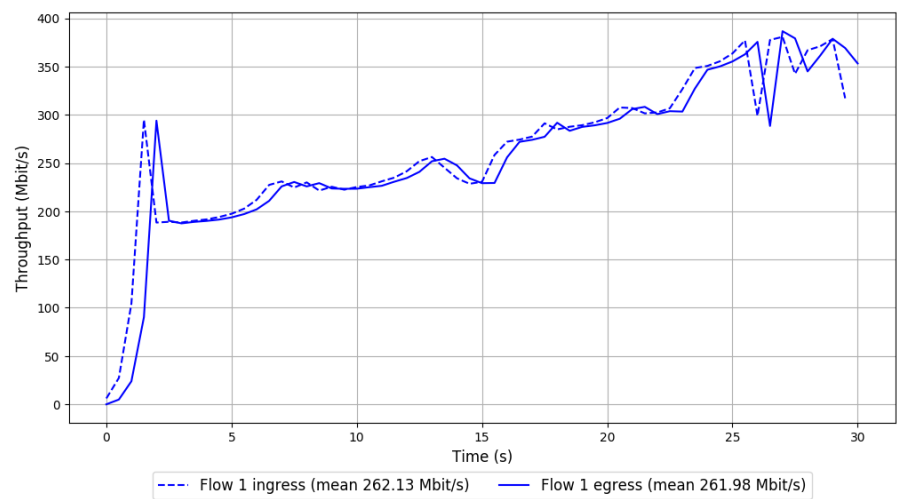


Run 5: Statistics of PCC-Expr

Start at: 2018-07-01 12:45:18
End at: 2018-07-01 12:45:48
Local clock offset: -0.05 ms
Remote clock offset: -1.351 ms

Below is generated by plot.py at 2018-07-01 15:59:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.98 Mbit/s
95th percentile per-packet one-way delay: 53.173 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 261.98 Mbit/s
95th percentile per-packet one-way delay: 53.173 ms
Loss rate: 0.06%

Run 5: Report of PCC-Expr — Data Link

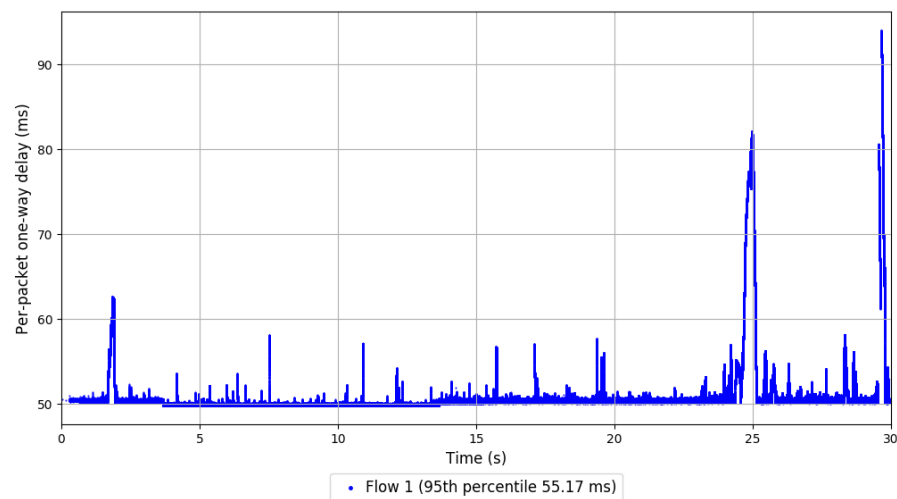
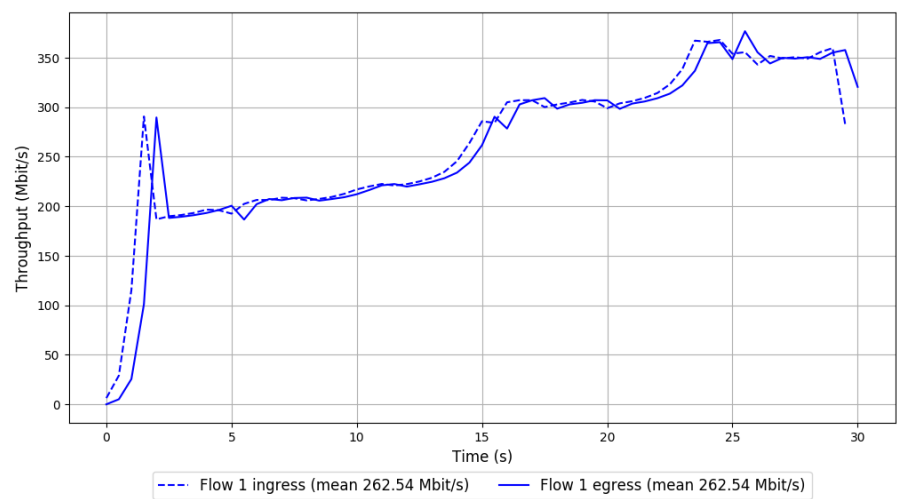


Run 6: Statistics of PCC-Expr

Start at: 2018-07-01 13:06:51
End at: 2018-07-01 13:07:21
Local clock offset: -0.013 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-01 15:59:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.54 Mbit/s
95th percentile per-packet one-way delay: 55.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.54 Mbit/s
95th percentile per-packet one-way delay: 55.173 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

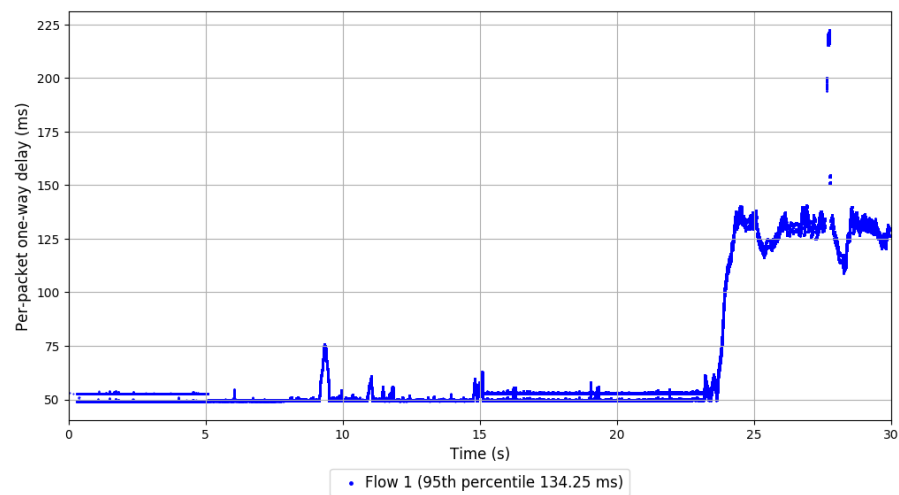
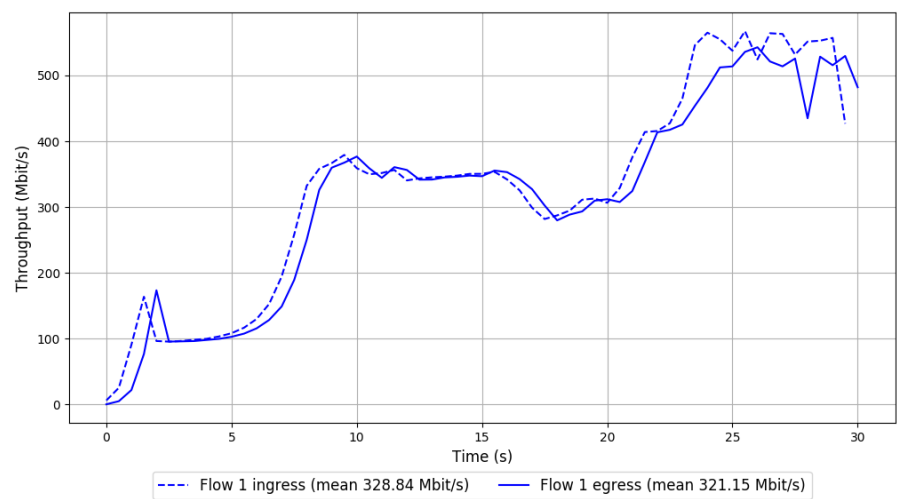


Run 7: Statistics of PCC-Expr

Start at: 2018-07-01 13:28:20
End at: 2018-07-01 13:28:50
Local clock offset: -0.034 ms
Remote clock offset: -1.104 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.15 Mbit/s
95th percentile per-packet one-way delay: 134.245 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 321.15 Mbit/s
95th percentile per-packet one-way delay: 134.245 ms
Loss rate: 2.33%

Run 7: Report of PCC-Expr — Data Link

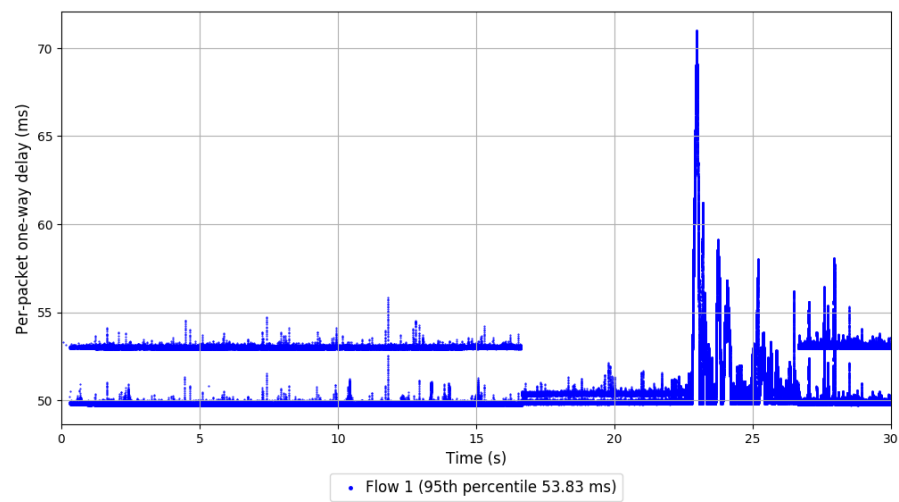
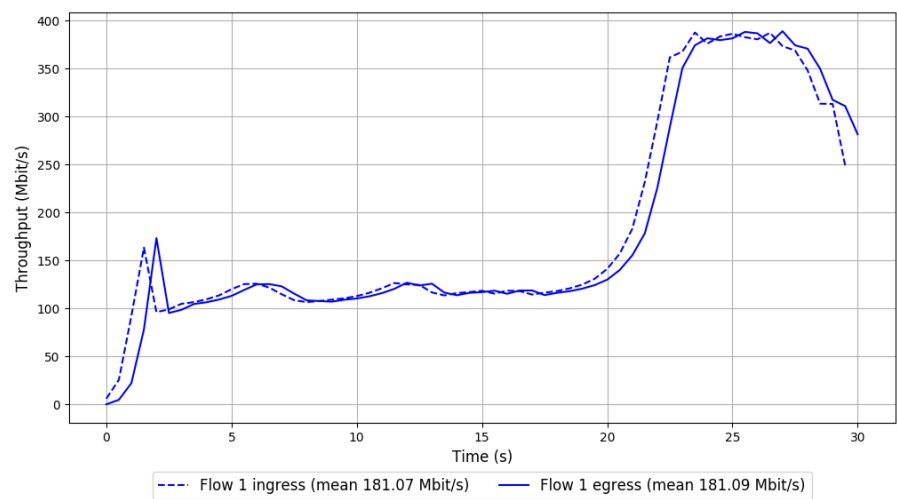


Run 8: Statistics of PCC-Expr

Start at: 2018-07-01 13:49:58
End at: 2018-07-01 13:50:28
Local clock offset: 0.267 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 53.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 53.830 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-01 14:11:10

End at: 2018-07-01 14:11:40

Local clock offset: 0.027 ms

Remote clock offset: 1.222 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.88 Mbit/s

95th percentile per-packet one-way delay: 54.630 ms

Loss rate: 0.00%

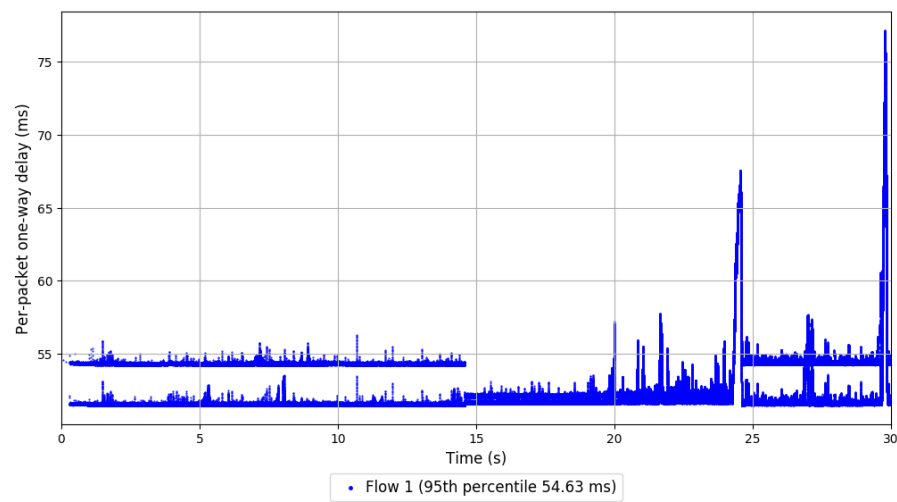
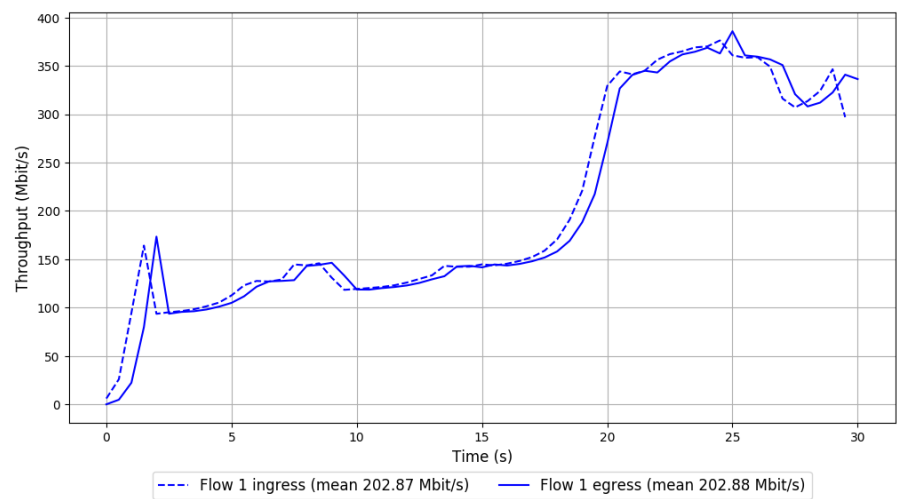
-- Flow 1:

Average throughput: 202.88 Mbit/s

95th percentile per-packet one-way delay: 54.630 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-01 14:32:31

End at: 2018-07-01 14:33:01

Local clock offset: 0.151 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.00 Mbit/s

95th percentile per-packet one-way delay: 53.393 ms

Loss rate: 0.00%

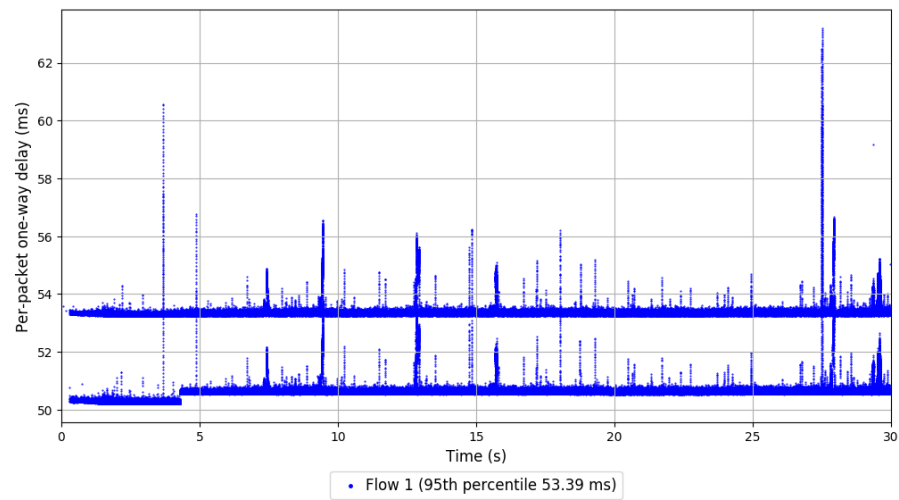
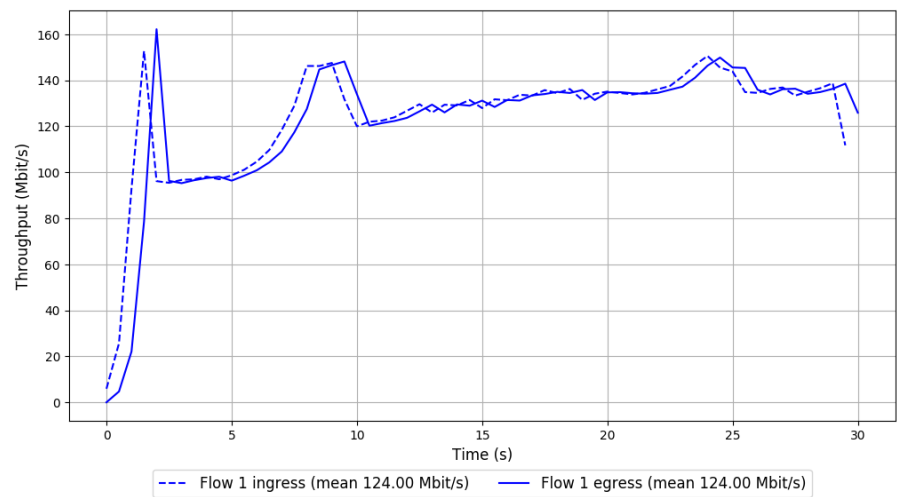
-- Flow 1:

Average throughput: 124.00 Mbit/s

95th percentile per-packet one-way delay: 53.393 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

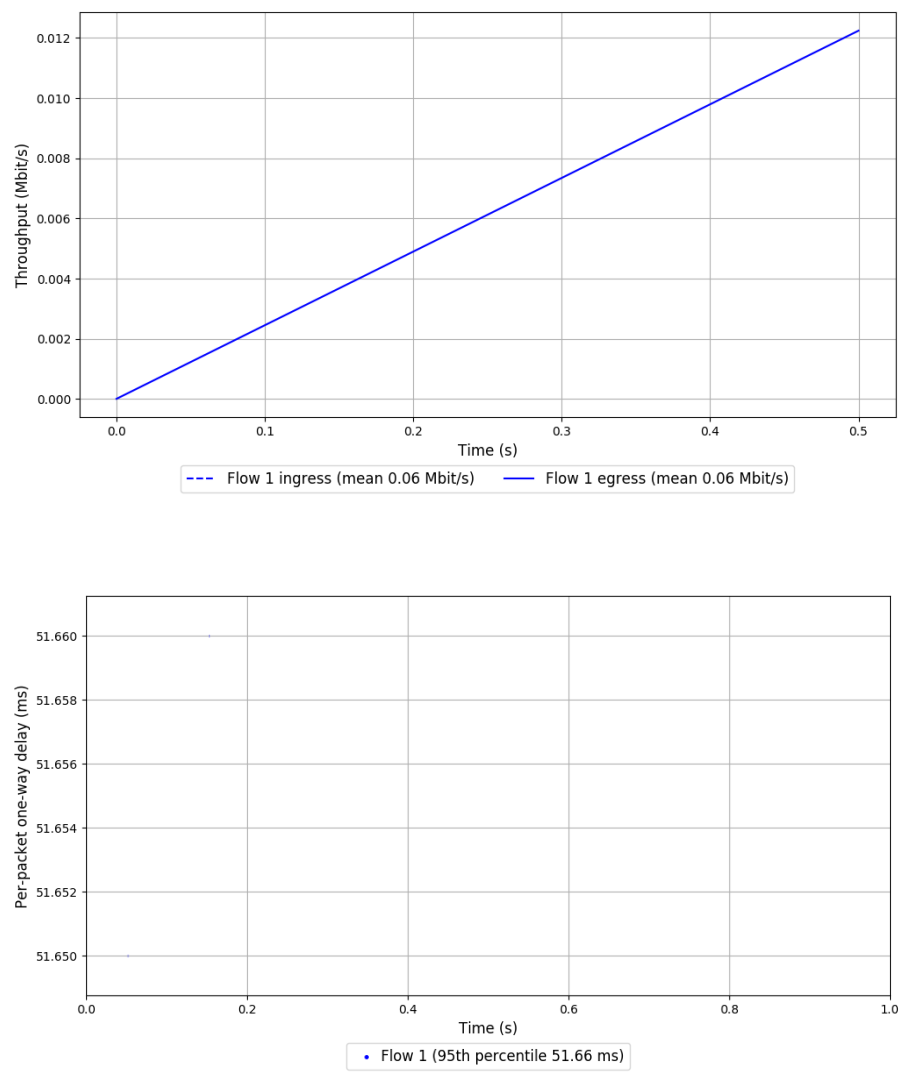
Start at: 2018-07-01 11:14:06

End at: 2018-07-01 11:14:36

Local clock offset: 0.076 ms

Remote clock offset: 1.264 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-01 11:35:24

End at: 2018-07-01 11:35:54

Local clock offset: 0.216 ms

Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.68 Mbit/s

95th percentile per-packet one-way delay: 51.792 ms

Loss rate: 0.00%

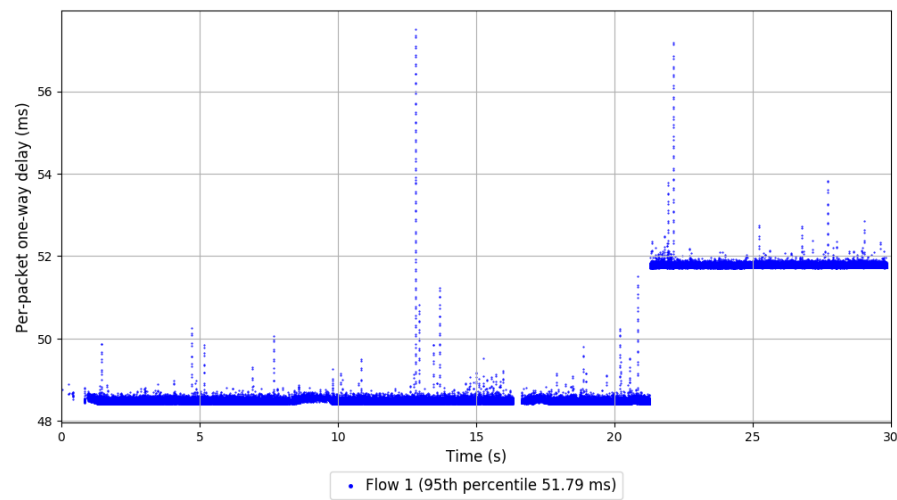
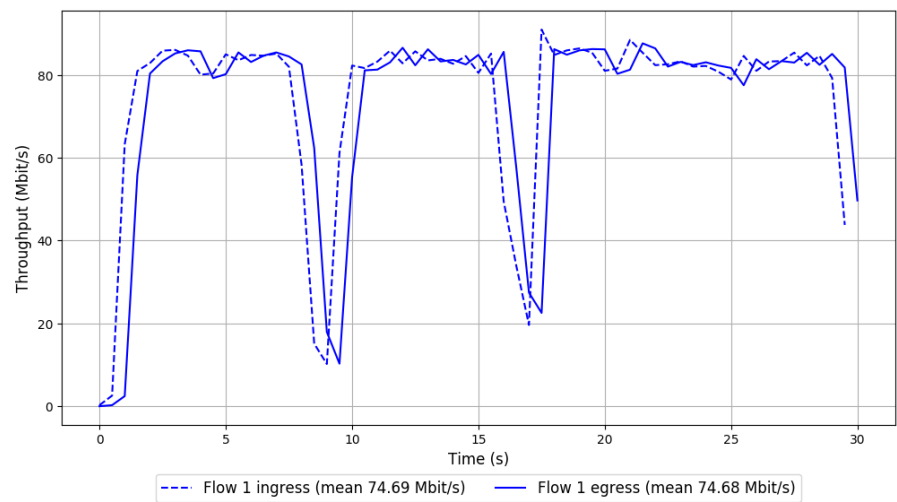
-- Flow 1:

Average throughput: 74.68 Mbit/s

95th percentile per-packet one-way delay: 51.792 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-01 11:57:05

End at: 2018-07-01 11:57:35

Local clock offset: 0.347 ms

Remote clock offset: 1.327 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.84 Mbit/s

95th percentile per-packet one-way delay: 51.614 ms

Loss rate: 0.00%

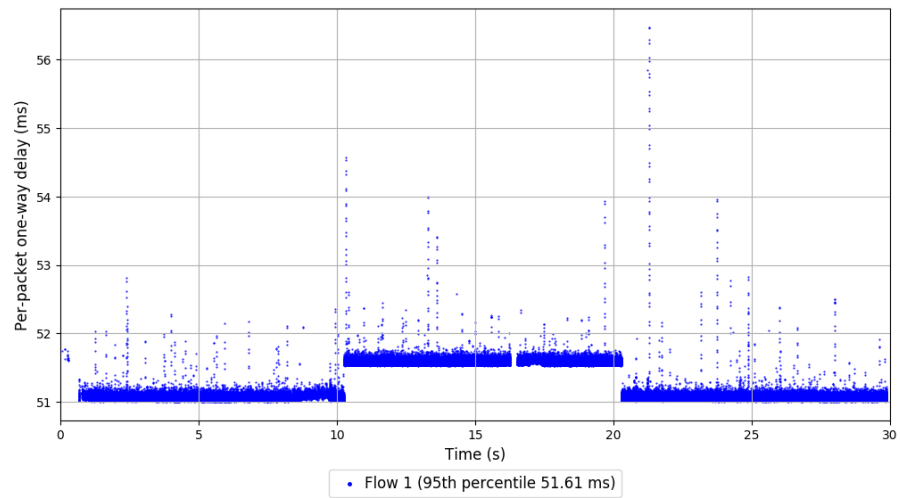
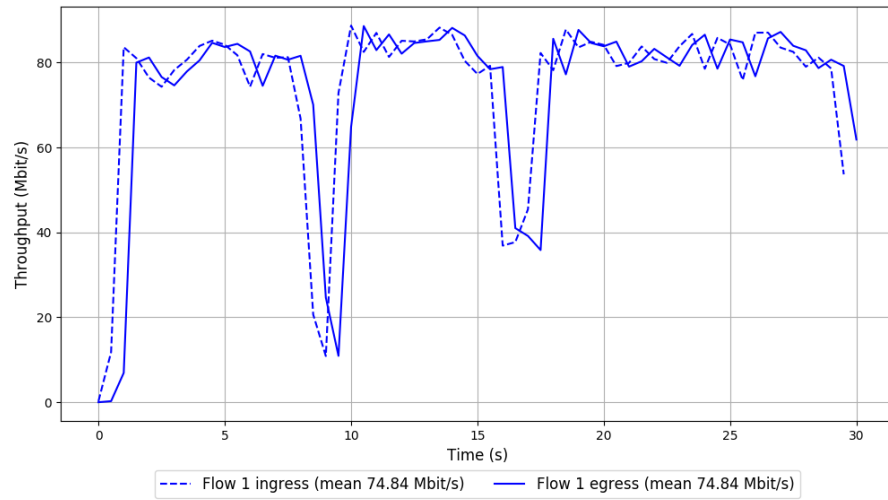
-- Flow 1:

Average throughput: 74.84 Mbit/s

95th percentile per-packet one-way delay: 51.614 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

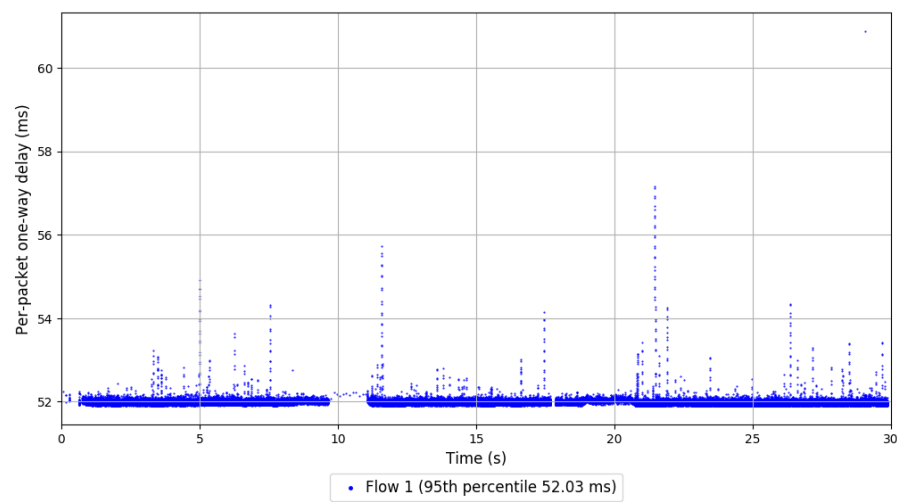
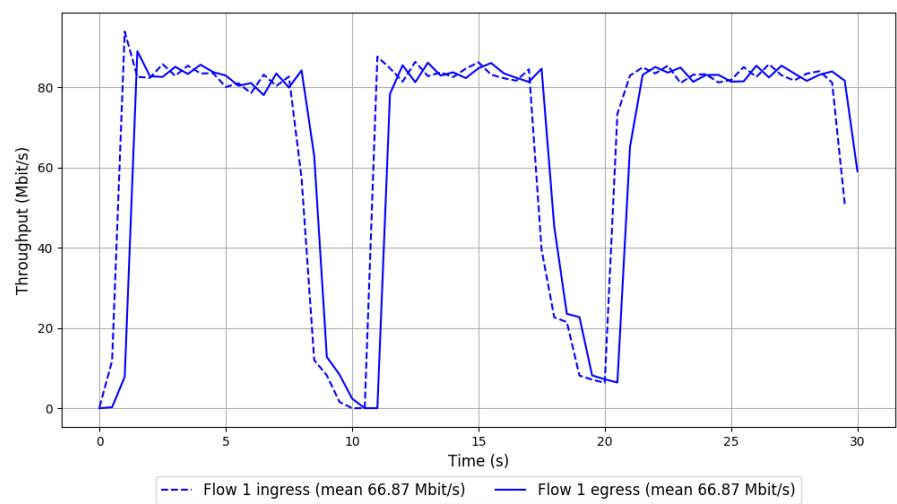


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-01 12:18:55
End at: 2018-07-01 12:19:25
Local clock offset: 0.008 ms
Remote clock offset: -1.315 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 52.026 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 52.026 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-01 12:40:20

End at: 2018-07-01 12:40:50

Local clock offset: 0.268 ms

Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 53.297 ms

Loss rate: 0.01%

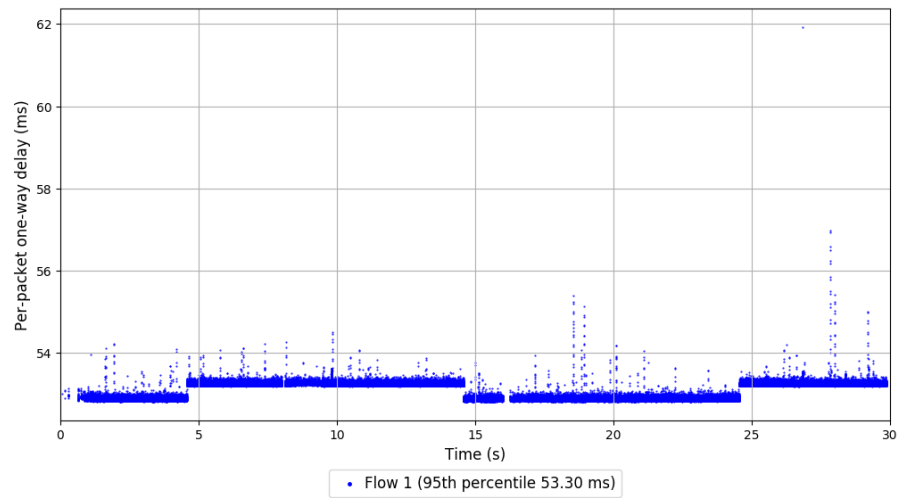
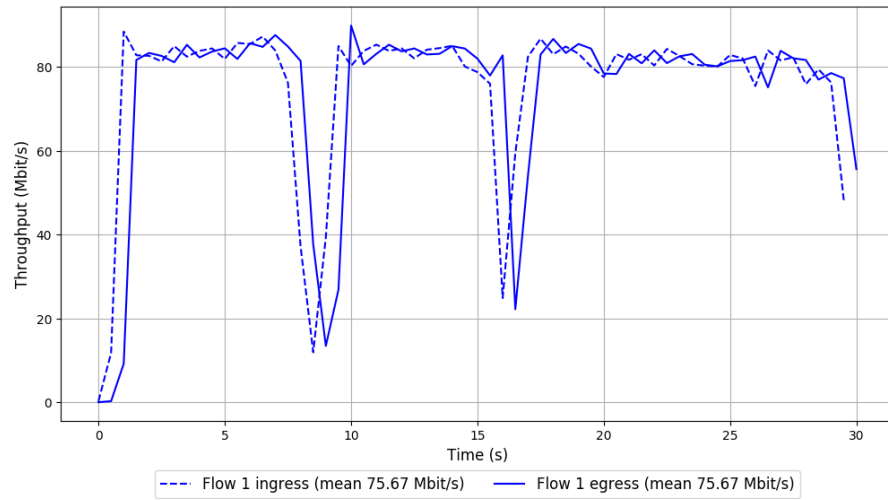
-- Flow 1:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 53.297 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-01 13:01:48

End at: 2018-07-01 13:02:18

Local clock offset: 0.194 ms

Remote clock offset: 1.065 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.68 Mbit/s

95th percentile per-packet one-way delay: 54.191 ms

Loss rate: 0.00%

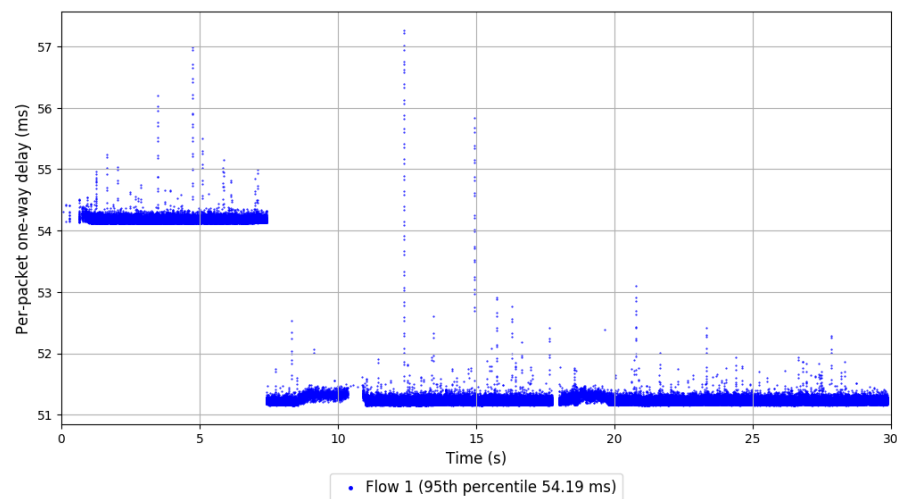
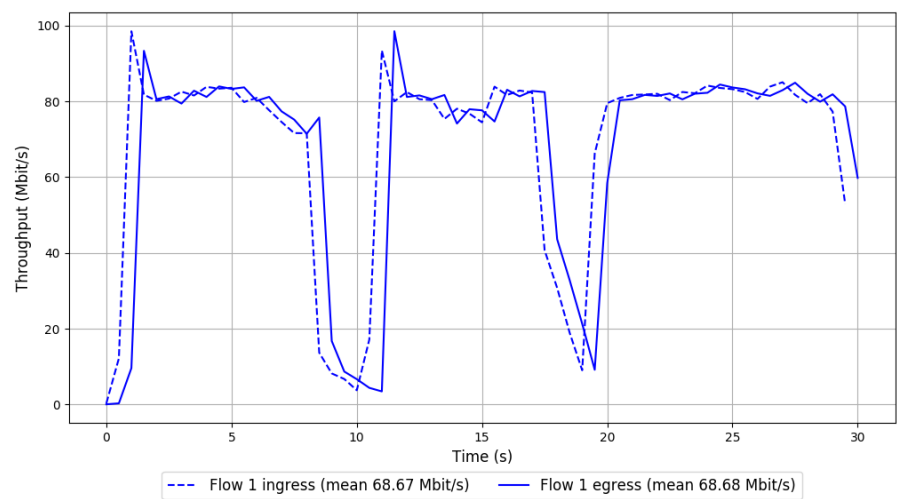
-- Flow 1:

Average throughput: 68.68 Mbit/s

95th percentile per-packet one-way delay: 54.191 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

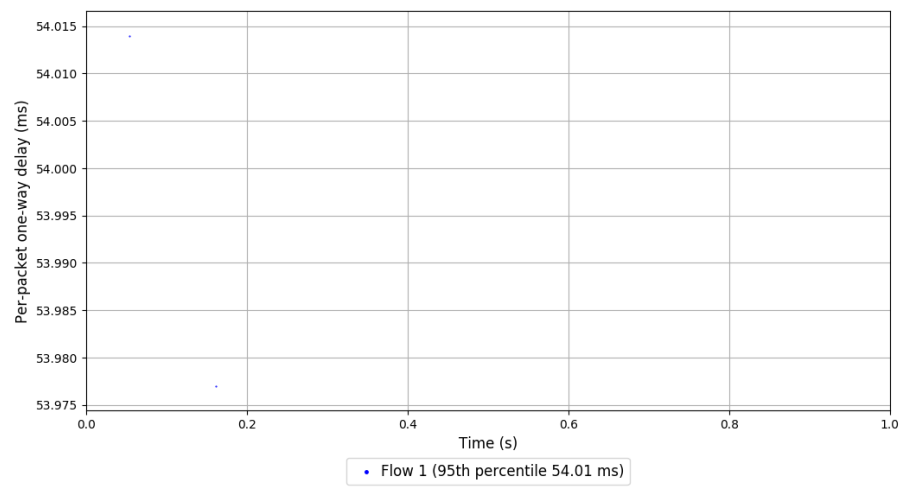
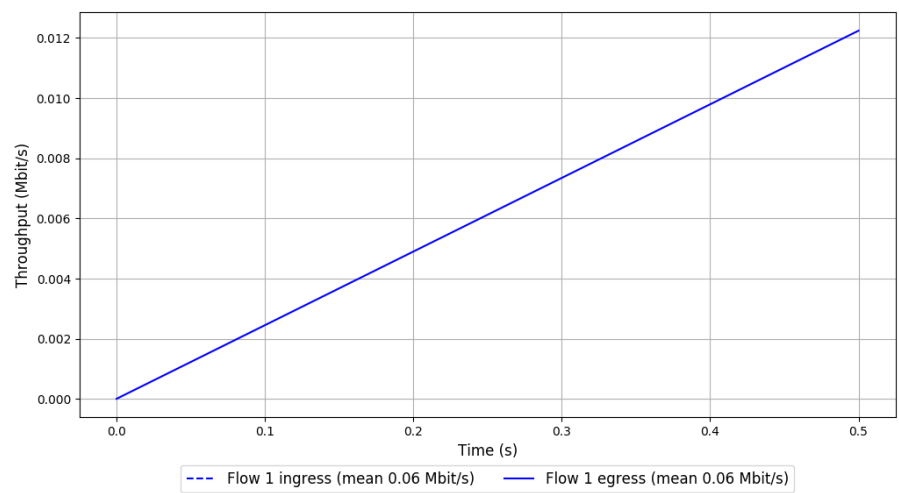
Start at: 2018-07-01 13:23:21

End at: 2018-07-01 13:23:51

Local clock offset: -0.088 ms

Remote clock offset: 0.025 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

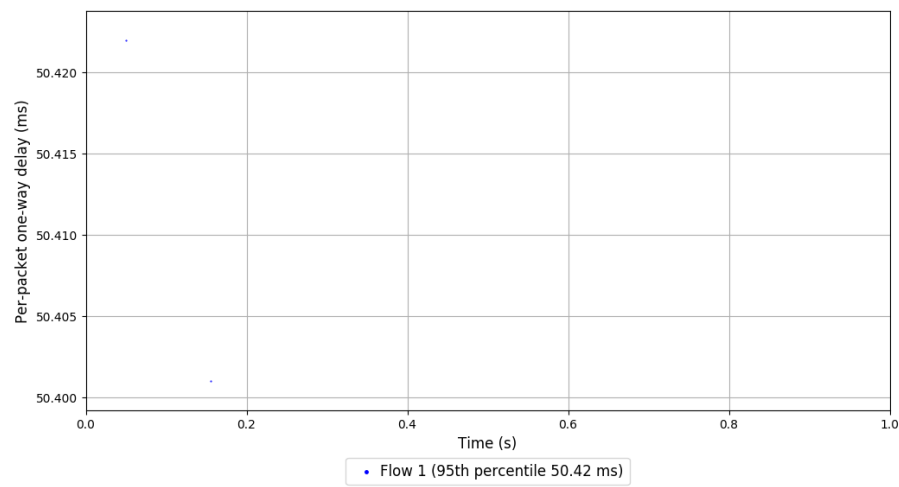
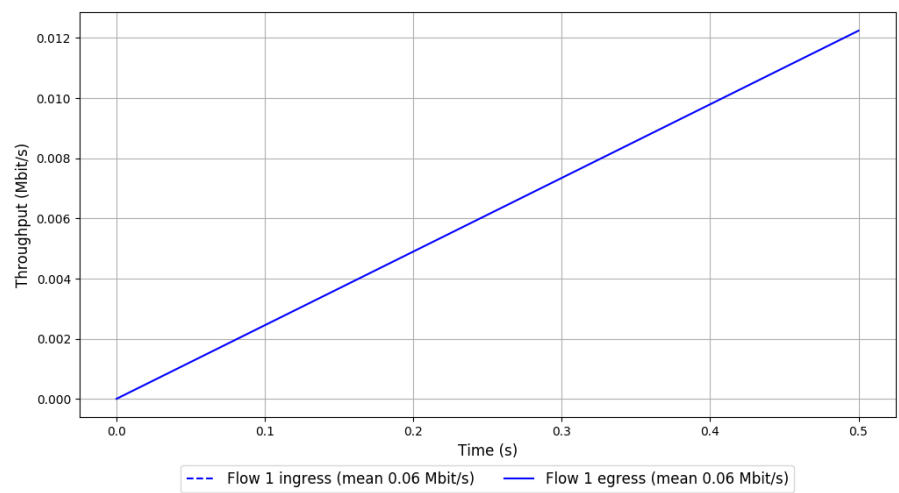
Start at: 2018-07-01 13:44:56

End at: 2018-07-01 13:45:26

Local clock offset: -0.069 ms

Remote clock offset: -0.466 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-01 14:06:06

End at: 2018-07-01 14:06:36

Local clock offset: -0.005 ms

Remote clock offset: 1.256 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.43 Mbit/s

95th percentile per-packet one-way delay: 54.851 ms

Loss rate: 0.00%

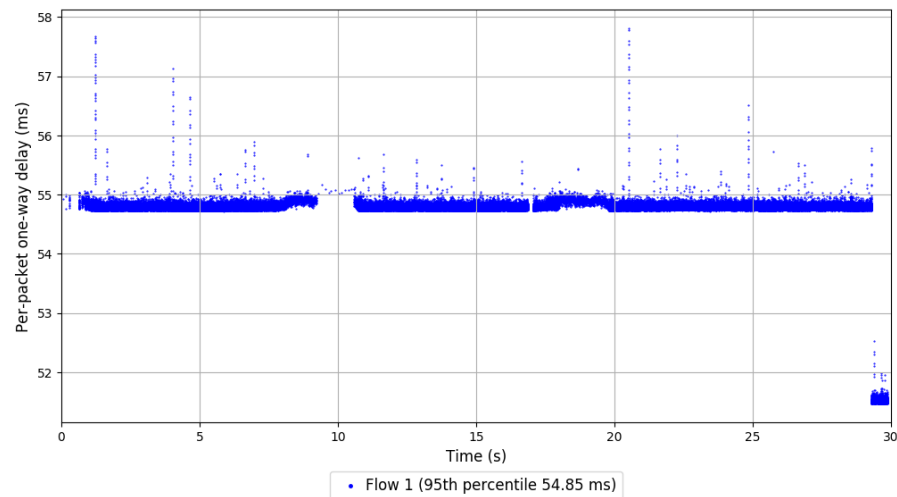
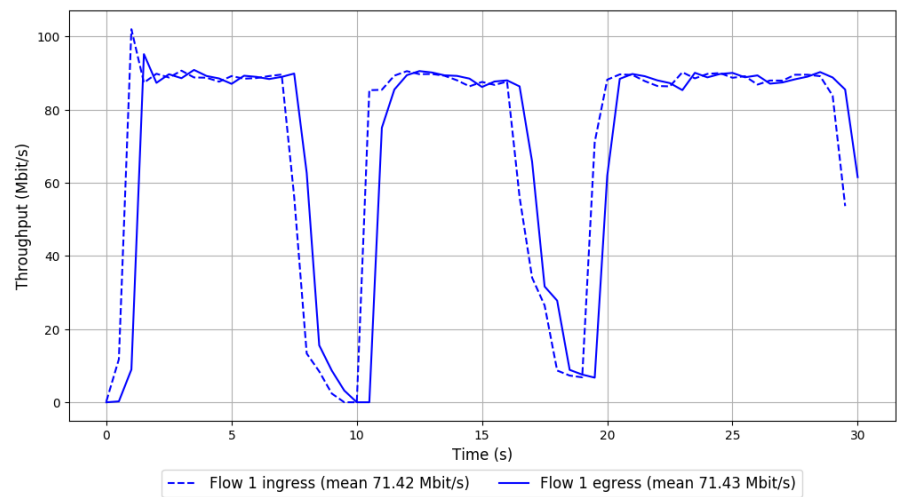
-- Flow 1:

Average throughput: 71.43 Mbit/s

95th percentile per-packet one-way delay: 54.851 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-01 14:27:24

End at: 2018-07-01 14:27:54

Local clock offset: 0.125 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.01%

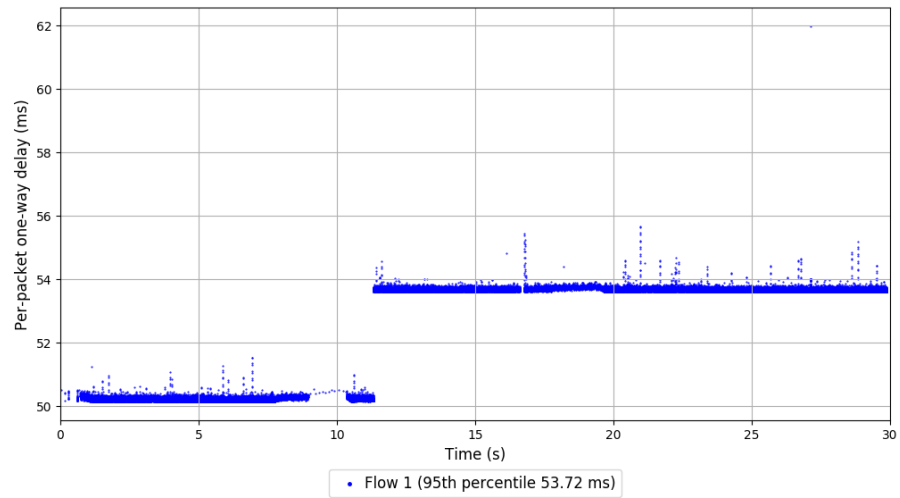
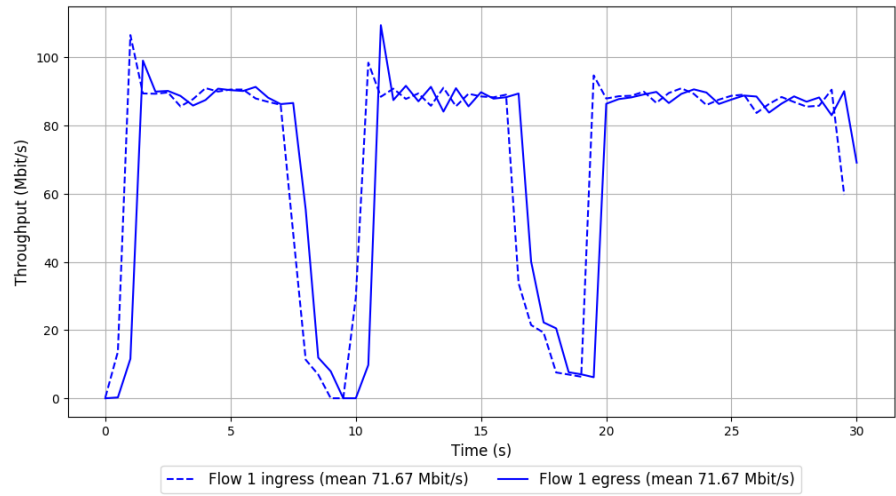
-- Flow 1:

Average throughput: 71.67 Mbit/s

95th percentile per-packet one-way delay: 53.715 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

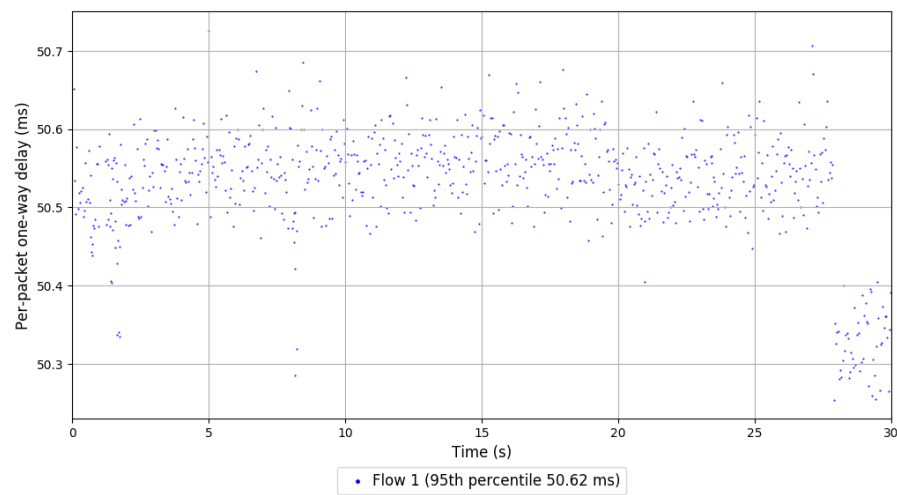
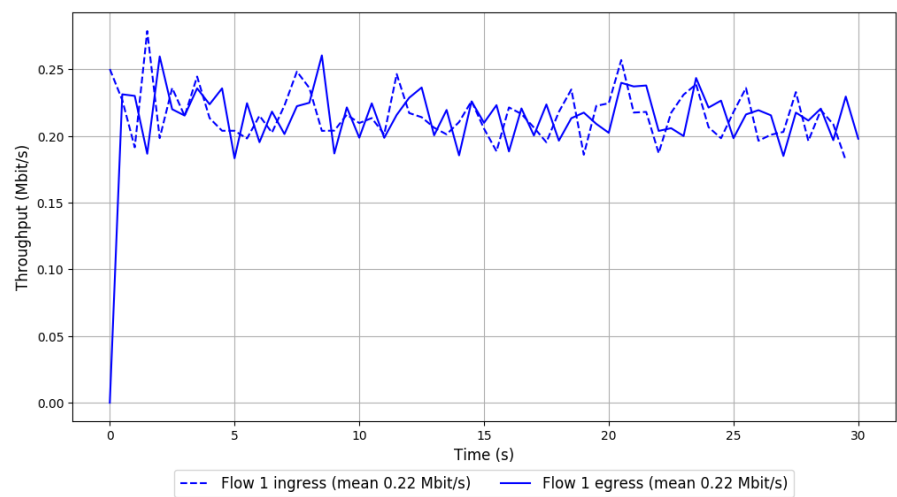


```
Run 1: Statistics of SCReAM

Start at: 2018-07-01 11:25:17
End at: 2018-07-01 11:25:47
Local clock offset: 0.264 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-07-01 16:02:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

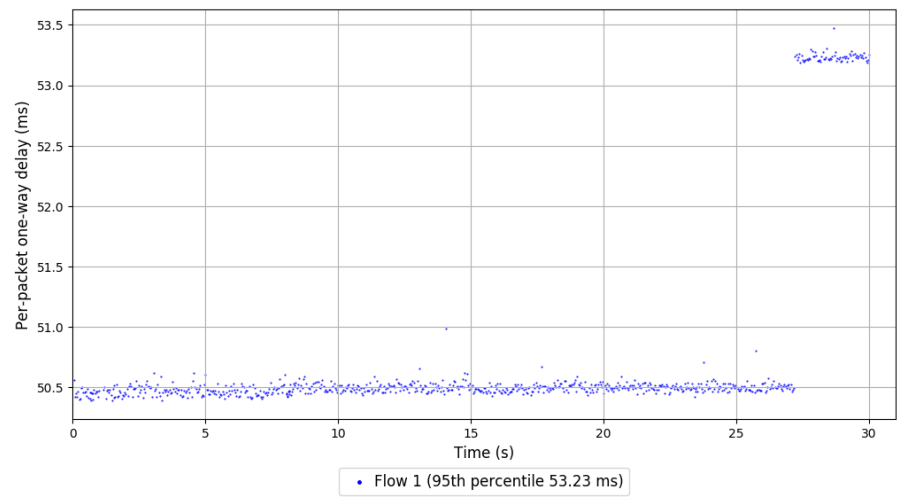
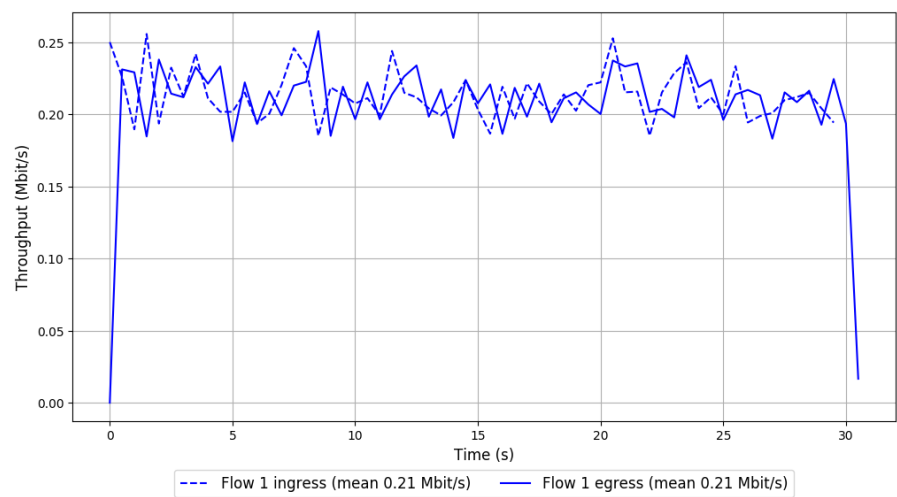


Run 2: Statistics of SCReAM

Start at: 2018-07-01 11:46:58
End at: 2018-07-01 11:47:28
Local clock offset: 0.131 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.226 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-01 12:08:47

End at: 2018-07-01 12:09:17

Local clock offset: 0.151 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.575 ms

Loss rate: 0.00%

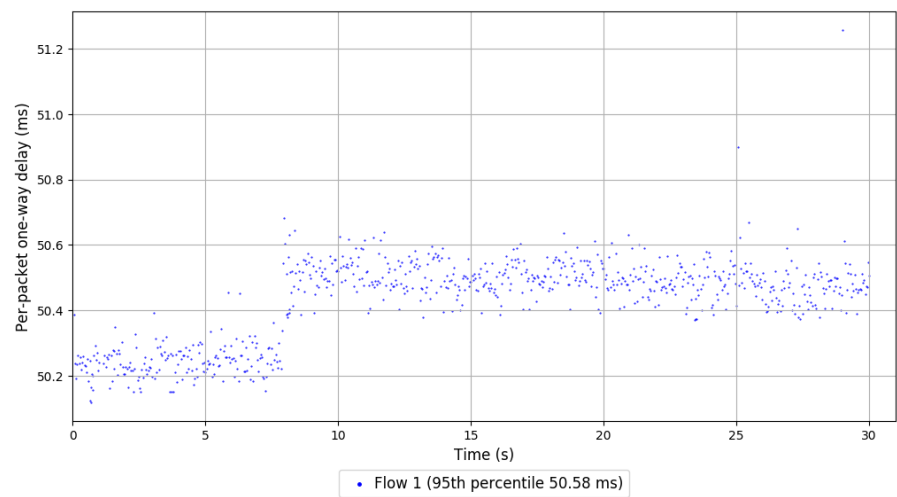
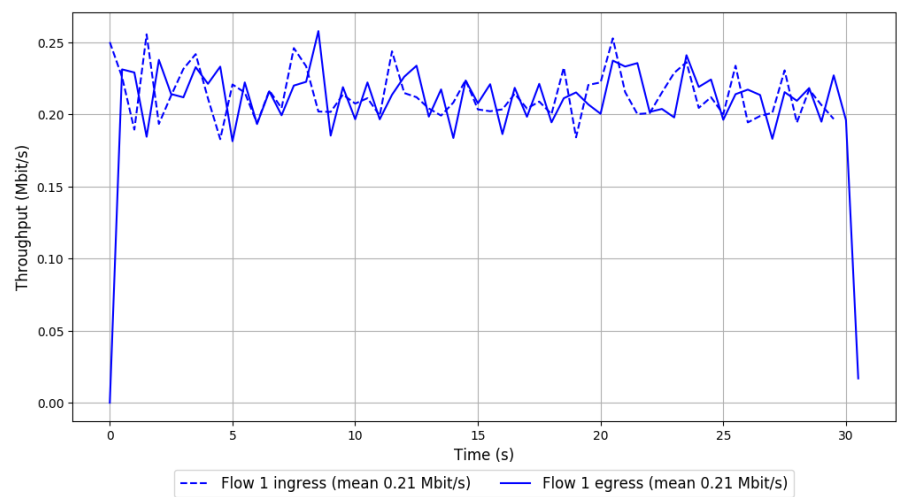
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.575 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

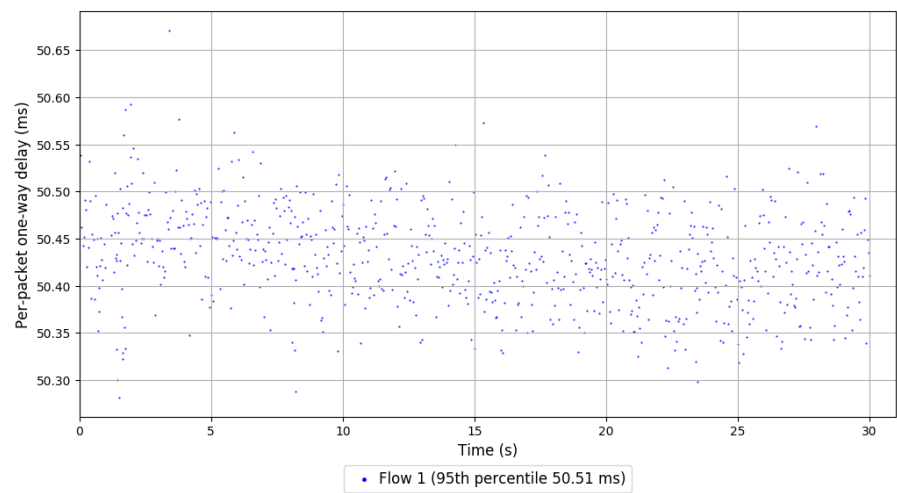
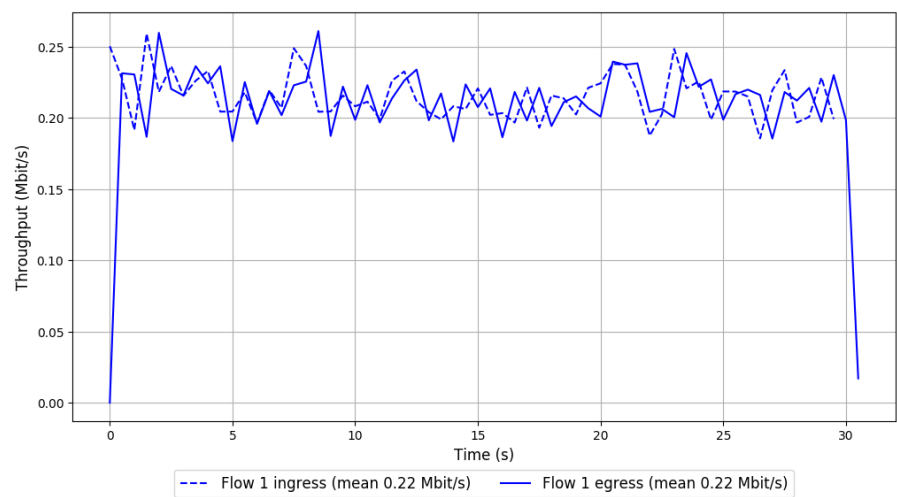


Run 4: Statistics of SCReAM

Start at: 2018-07-01 12:30:18
End at: 2018-07-01 12:30:48
Local clock offset: 0.213 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-01 12:51:42

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

Local clock offset: 0.25 ms

Remote clock offset: 1.033 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.862 ms

Loss rate: 0.00%

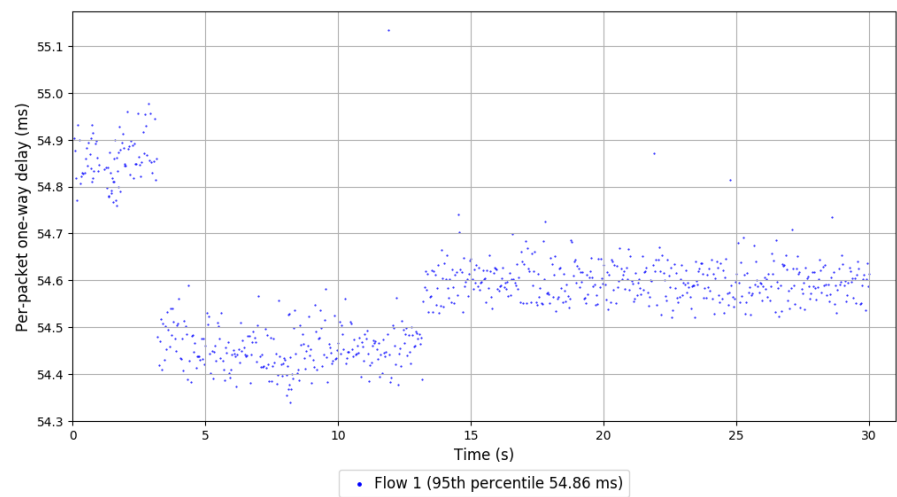
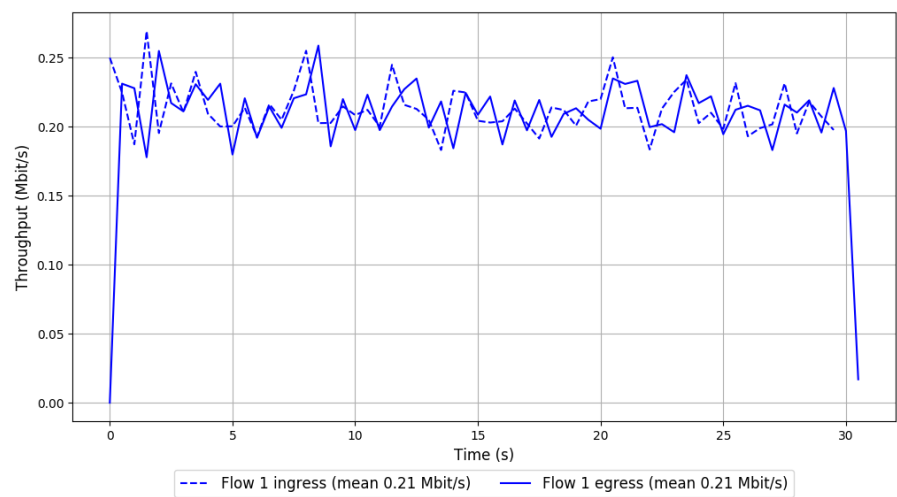
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.862 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

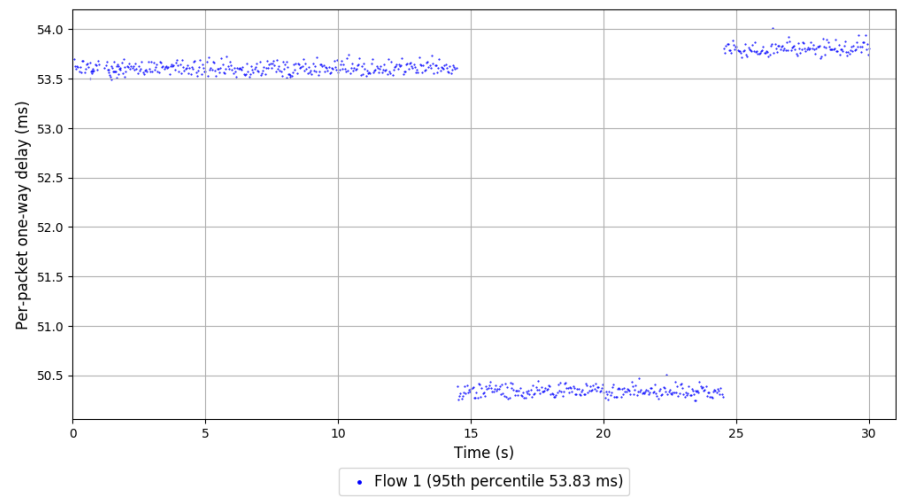
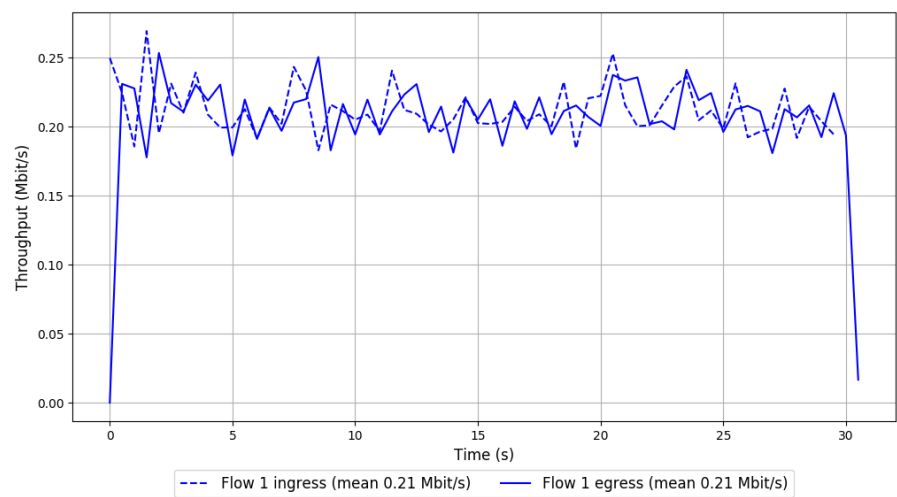


Run 6: Statistics of SCReAM

Start at: 2018-07-01 13:13:21
End at: 2018-07-01 13:13:51
Local clock offset: 0.074 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.829 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

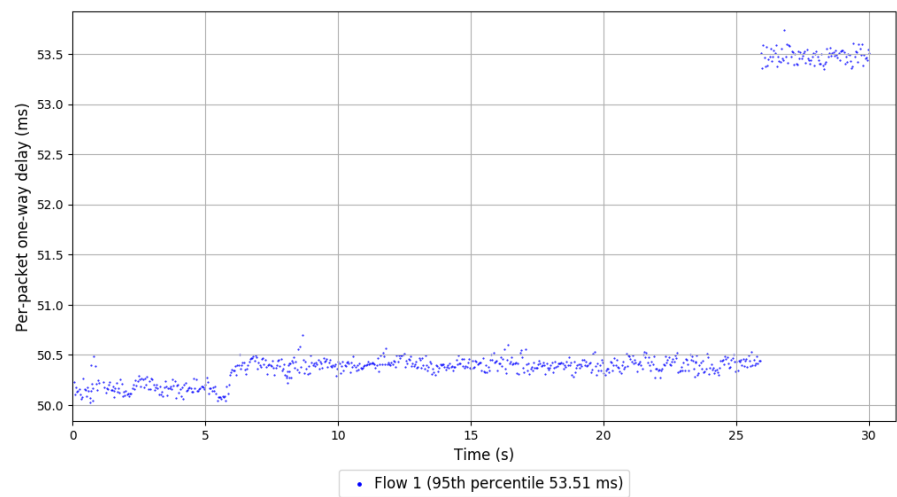
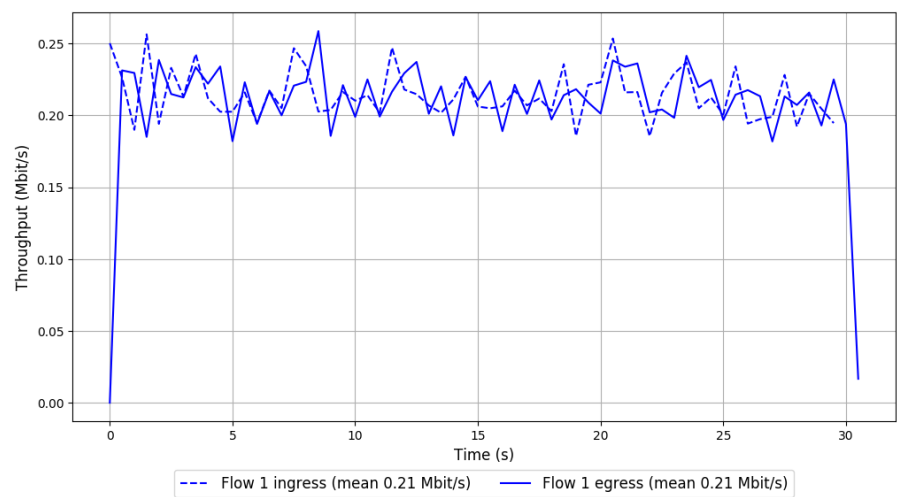


Run 7: Statistics of SCReAM

Start at: 2018-07-01 13:34:49
End at: 2018-07-01 13:35:19
Local clock offset: 0.025 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.507 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-01 13:56:04

End at: 2018-07-01 13:56:35

Local clock offset: 0.002 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.138 ms

Loss rate: 0.00%

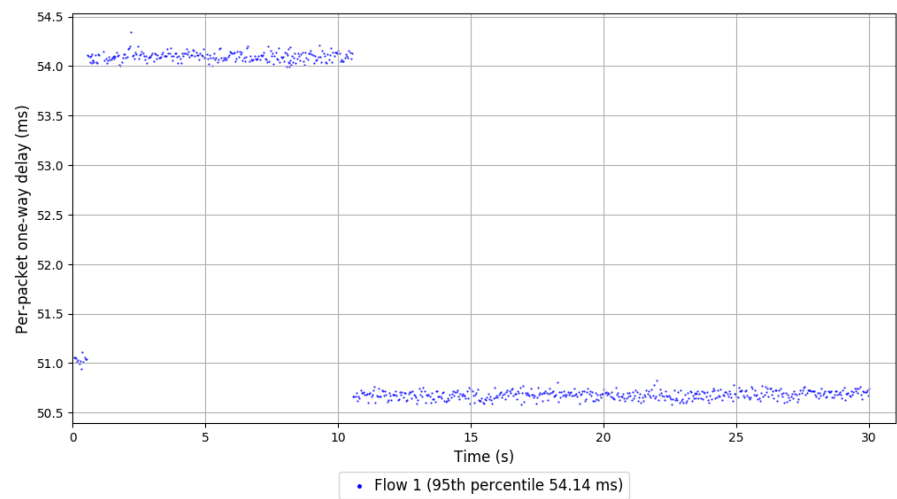
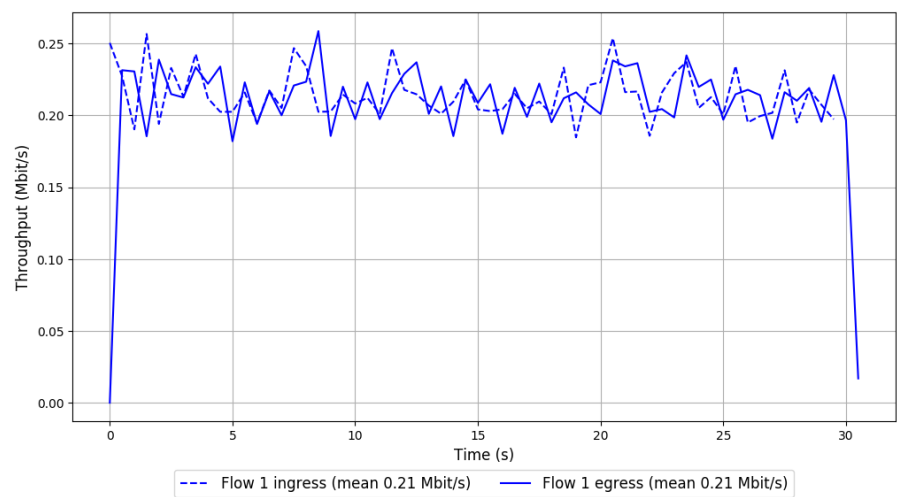
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.138 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-01 14:17:22

End at: 2018-07-01 14:17:52

Local clock offset: 0.216 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.411 ms

Loss rate: 0.00%

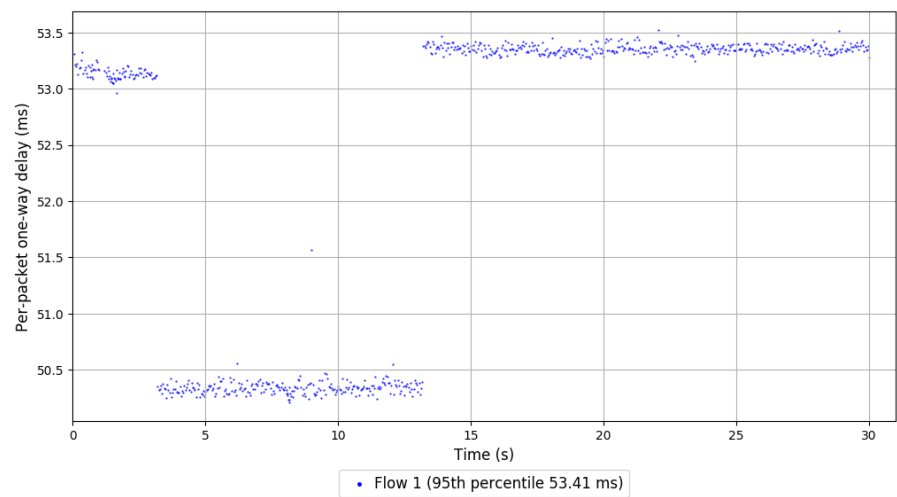
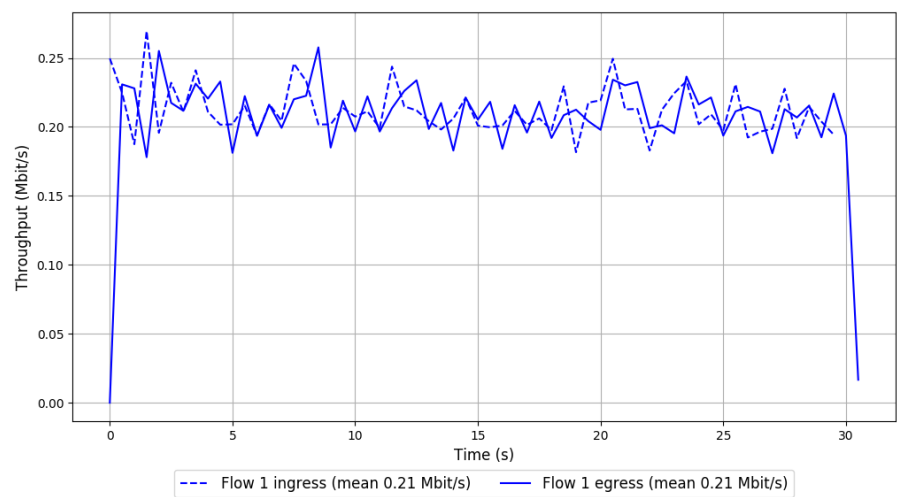
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.411 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

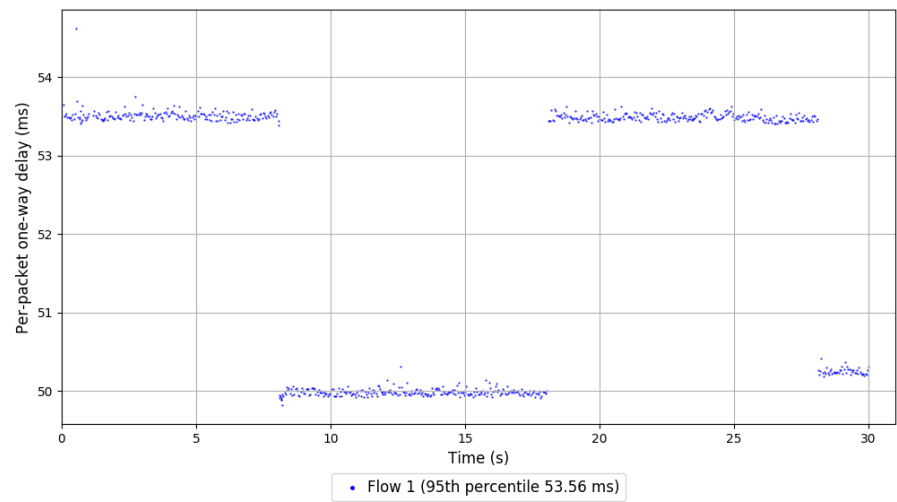
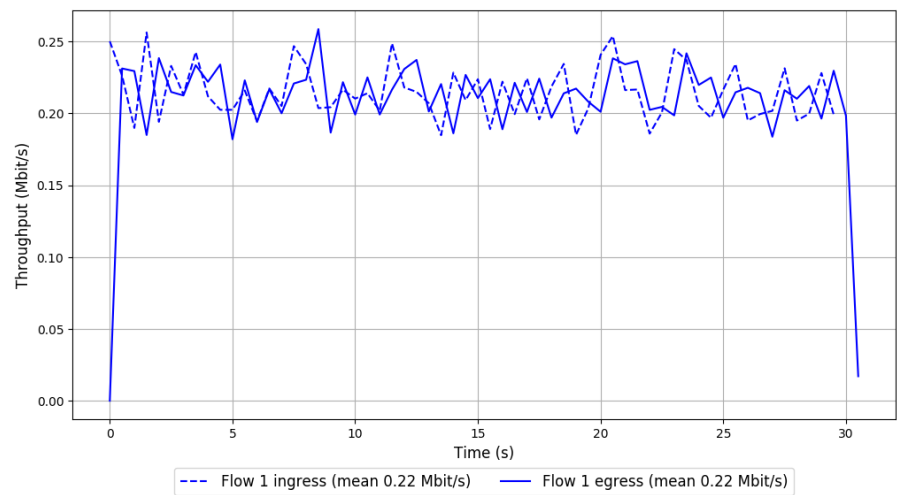


Run 10: Statistics of SCReAM

Start at: 2018-07-01 14:38:57
End at: 2018-07-01 14:39:27
Local clock offset: 0.082 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.564 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

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

End at: 2018-07-01 11:26:53

Local clock offset: 0.16 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 52.897 ms

Loss rate: 0.00%

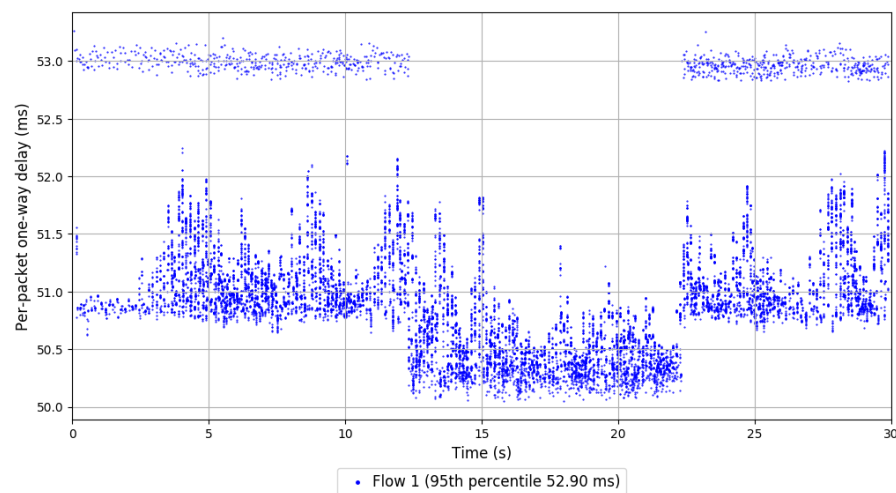
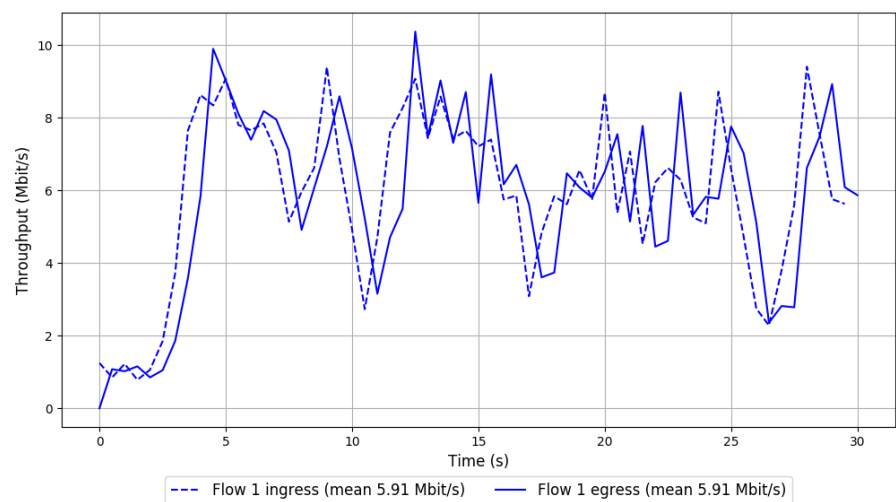
-- Flow 1:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 52.897 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-01 11:48:03

End at: 2018-07-01 11:48:33

Local clock offset: 0.289 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 53.823 ms

Loss rate: 0.00%

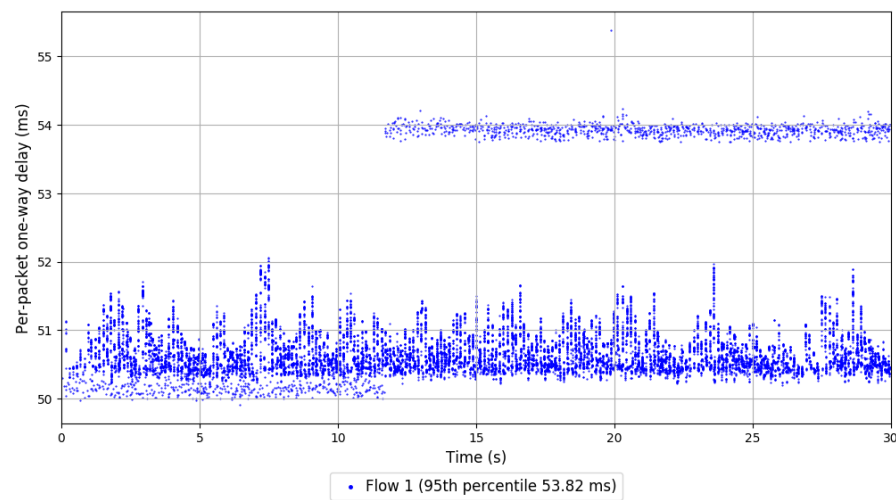
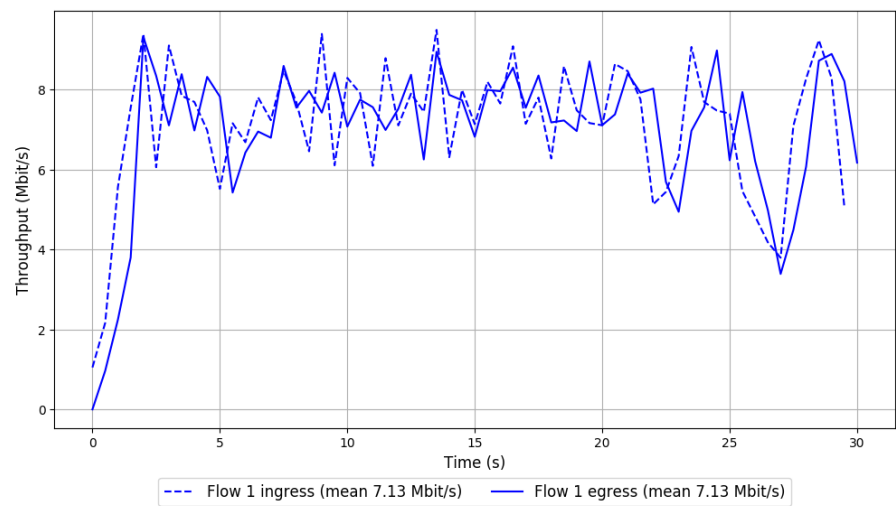
-- Flow 1:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 53.823 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-01 12:09:53

End at: 2018-07-01 12:10:23

Local clock offset: 0.19 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 51.264 ms

Loss rate: 0.00%

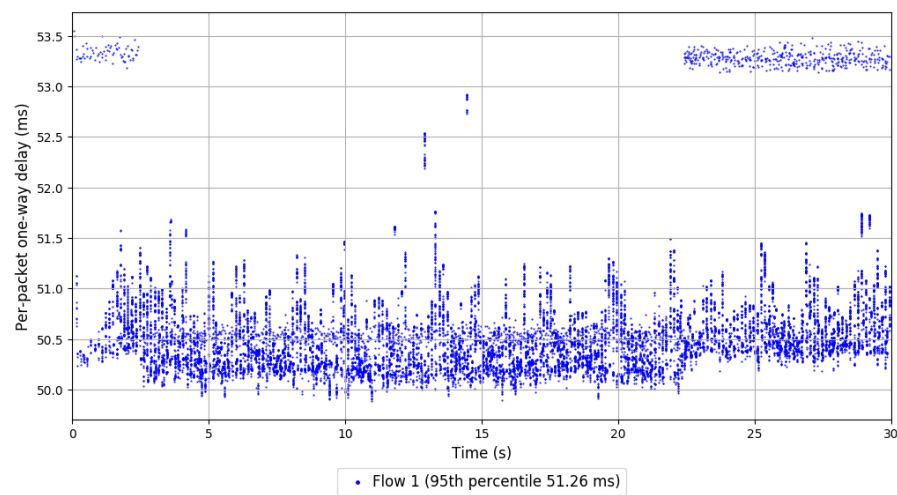
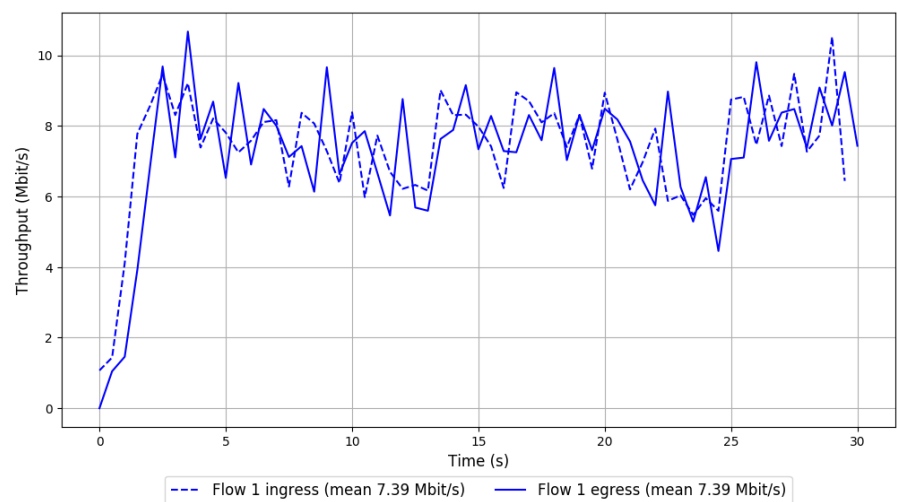
-- Flow 1:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 51.264 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

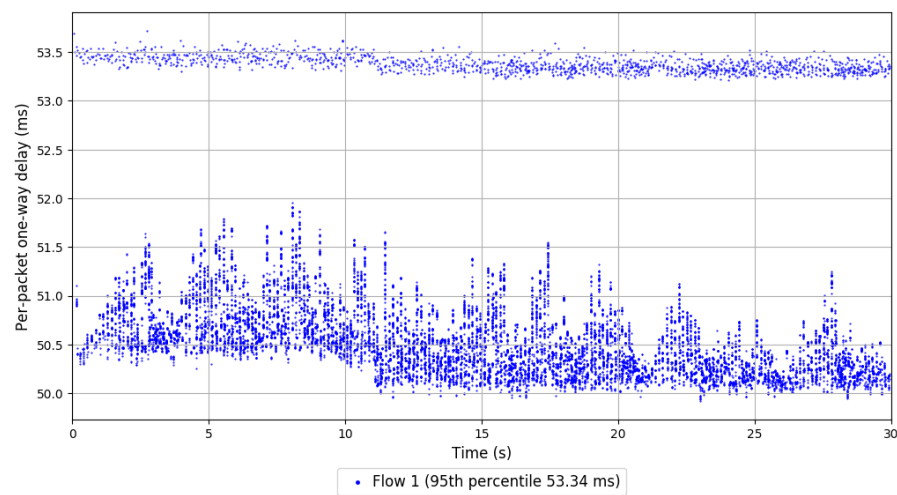
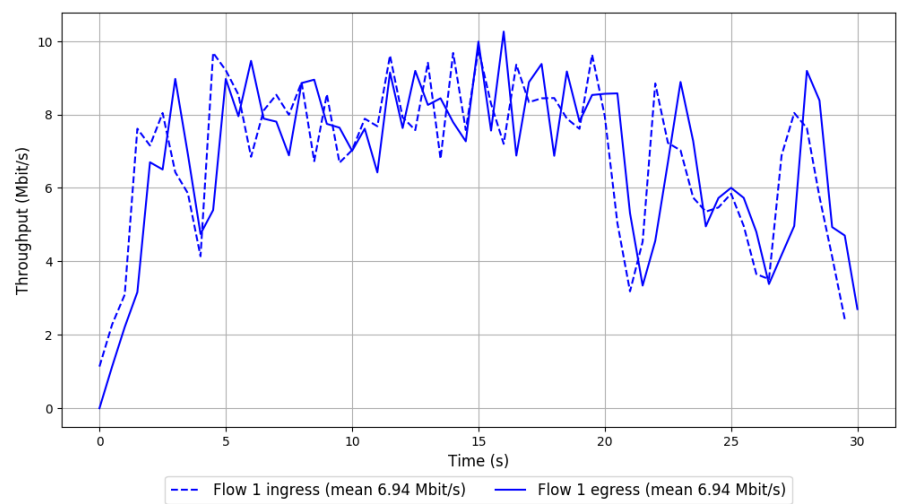


Run 4: Statistics of Sprout

Start at: 2018-07-01 12:31:24
End at: 2018-07-01 12:31:54
Local clock offset: 0.128 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 53.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 53.341 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-01 12:52:47

End at: 2018-07-01 12:53:17

Local clock offset: -0.006 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.00%

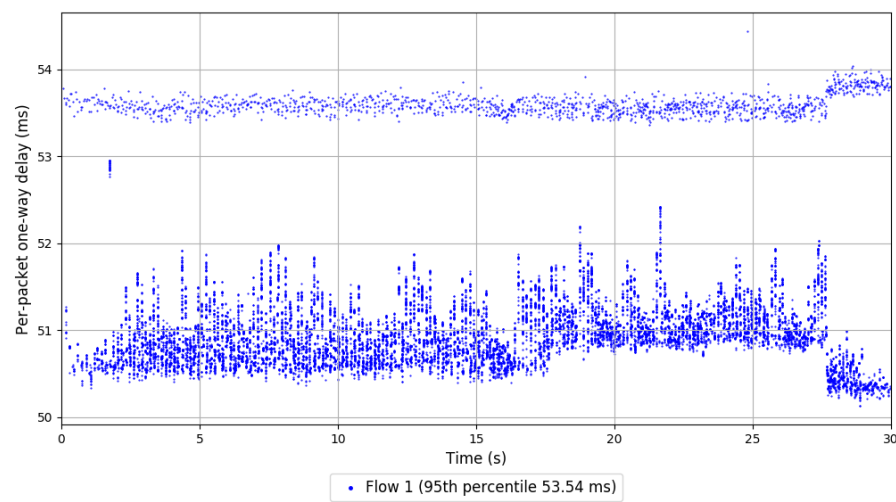
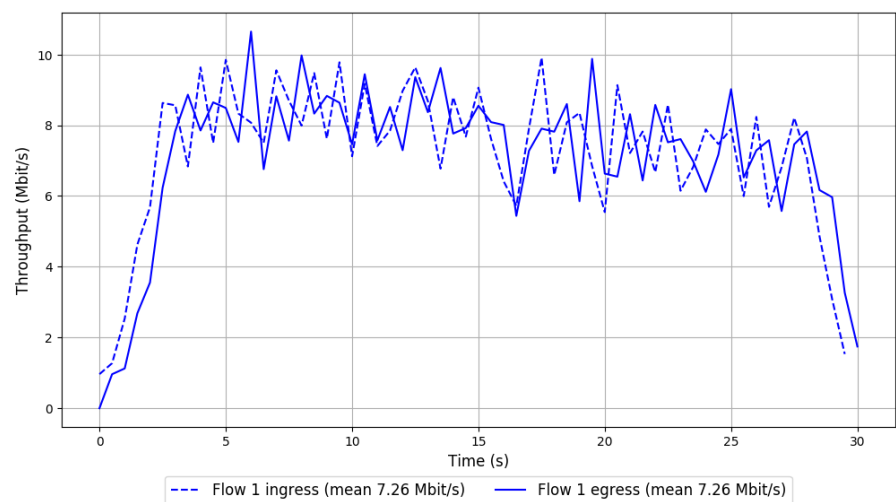
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-01 13:14:26

End at: 2018-07-01 13:14:56

Local clock offset: 0.338 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 51.151 ms

Loss rate: 0.00%

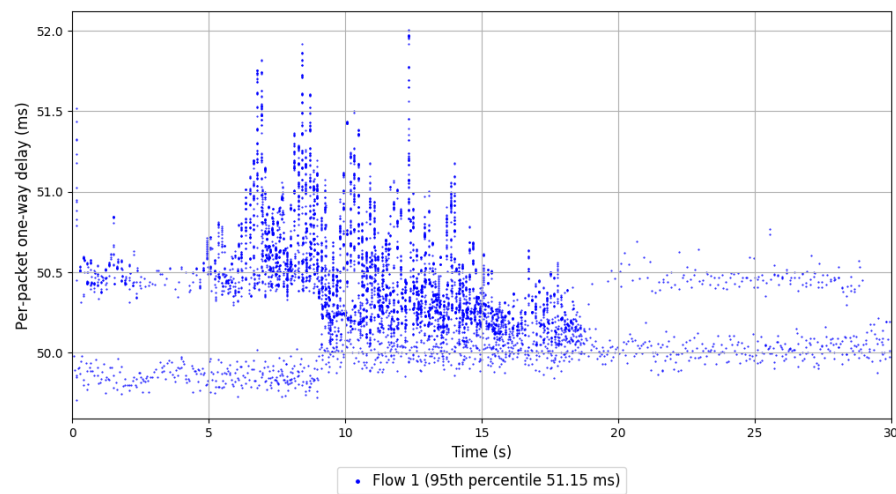
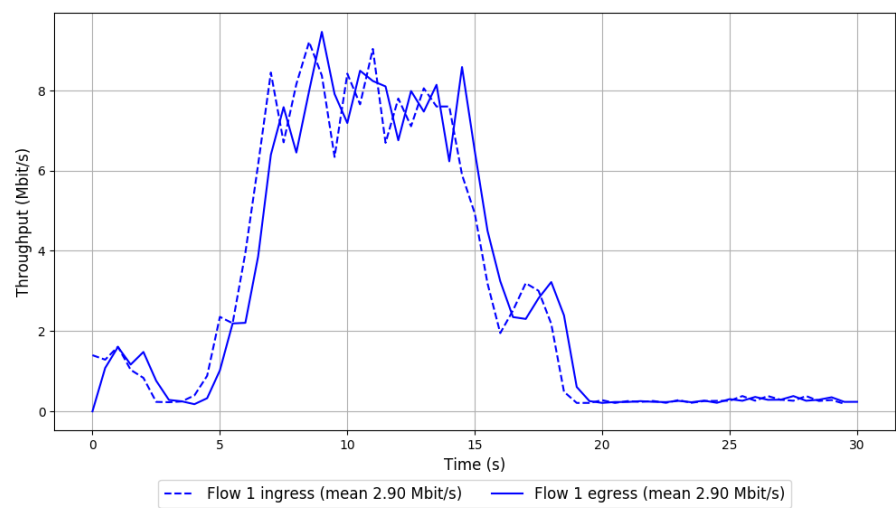
-- Flow 1:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 51.151 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

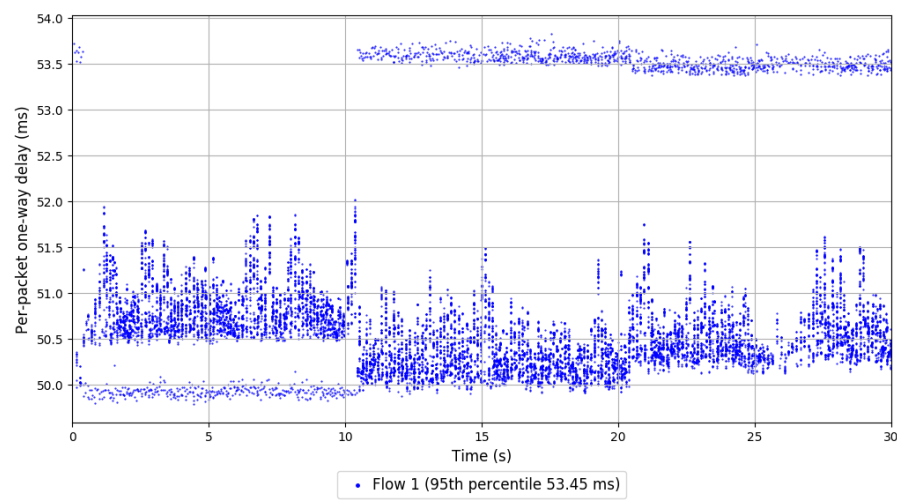
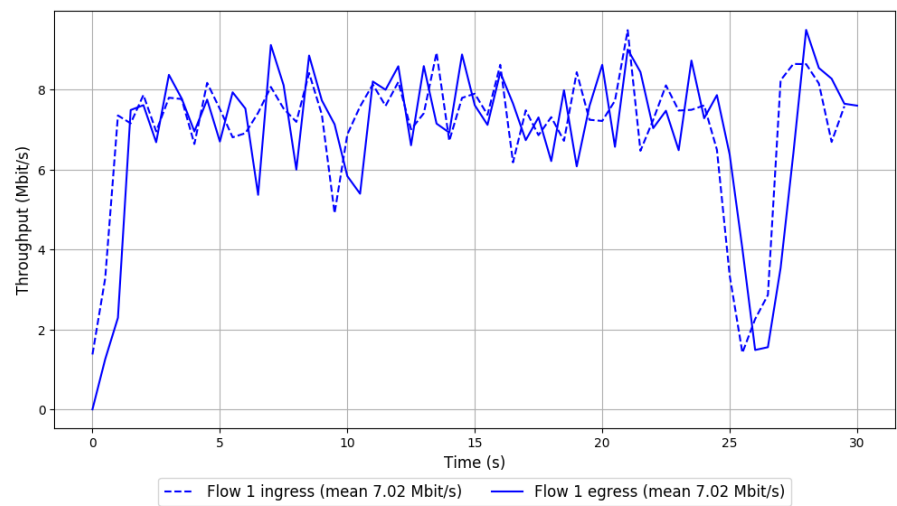


Run 7: Statistics of Sprout

Start at: 2018-07-01 13:35:55
End at: 2018-07-01 13:36:25
Local clock offset: -0.123 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 53.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 53.454 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

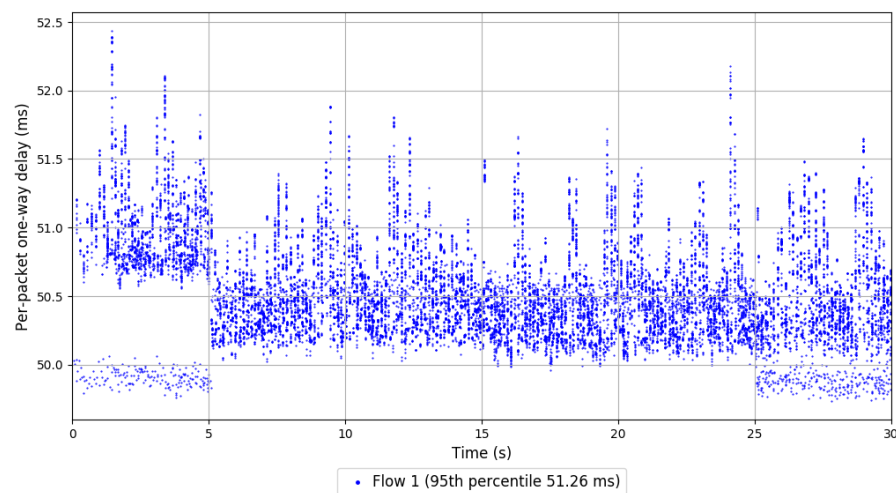
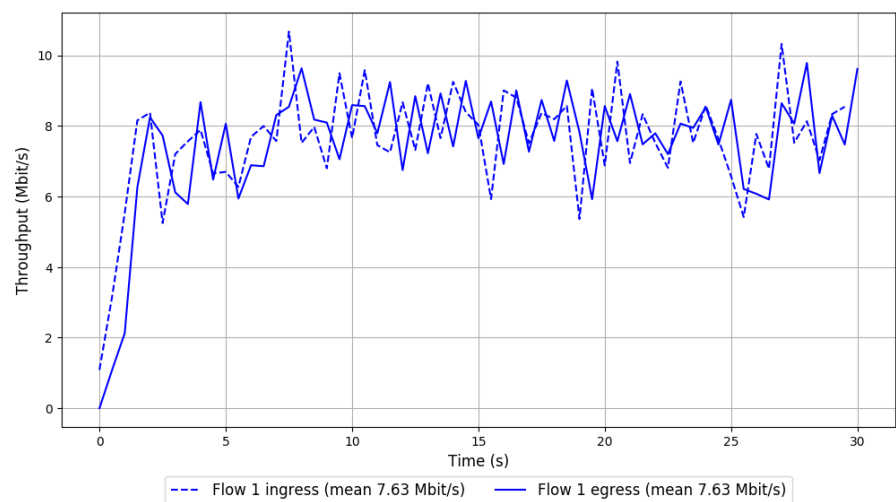


Run 8: Statistics of Sprout

Start at: 2018-07-01 13:57:10
End at: 2018-07-01 13:57:40
Local clock offset: 0.127 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-01 14:18:27

End at: 2018-07-01 14:18:57

Local clock offset: 0.092 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.03 Mbit/s

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

Loss rate: 0.00%

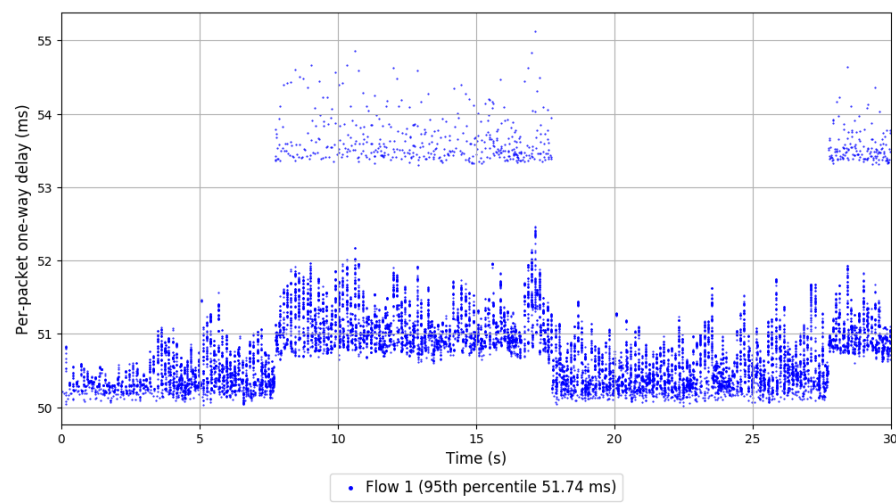
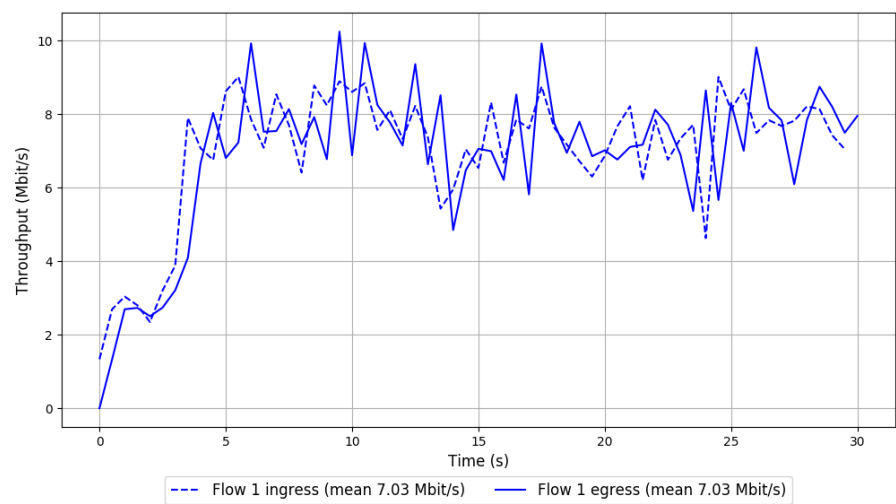
-- Flow 1:

Average throughput: 7.03 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

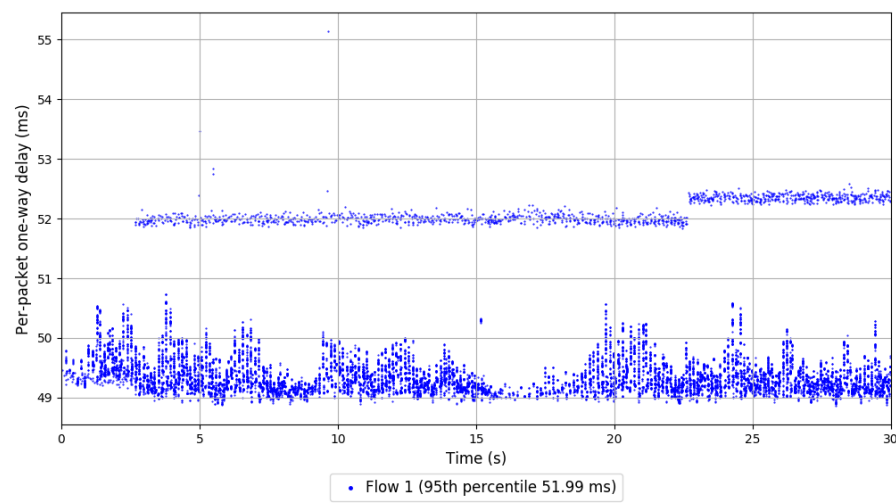
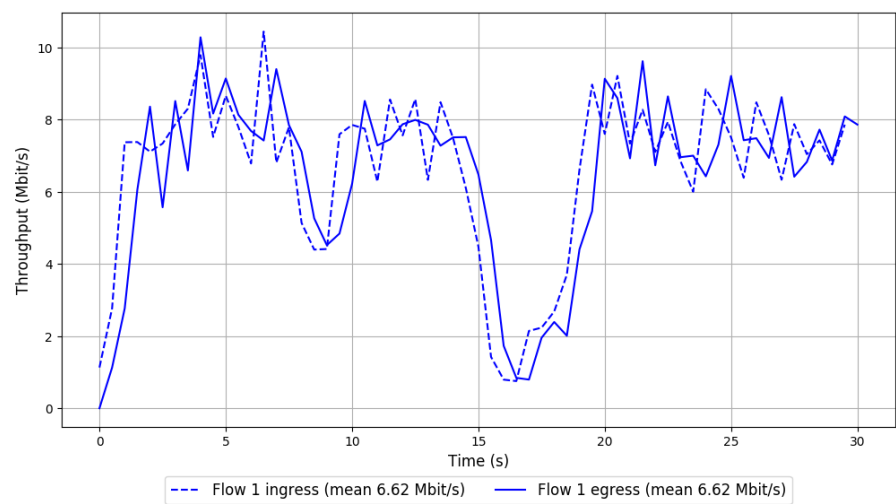


Run 10: Statistics of Sprout

Start at: 2018-07-01 14:40:02
End at: 2018-07-01 14:40:32
Local clock offset: 0.02 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-07-01 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 51.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 51.989 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-01 11:20:39

End at: 2018-07-01 11:21:09

Local clock offset: -0.08 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-01 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 53.353 ms

Loss rate: 0.00%

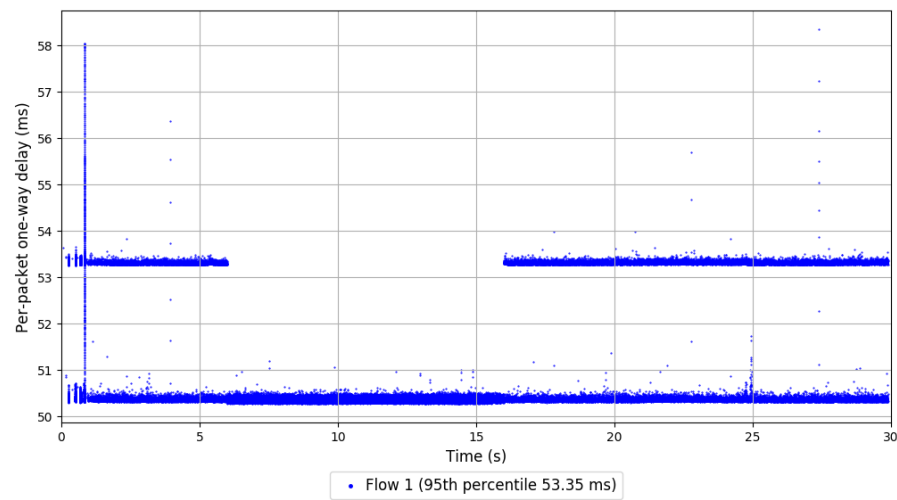
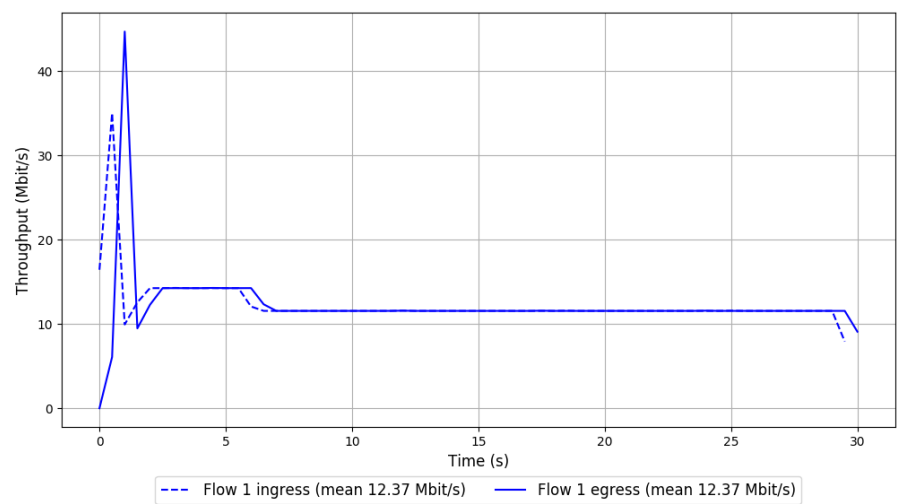
-- Flow 1:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 53.353 ms

Loss rate: 0.00%

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

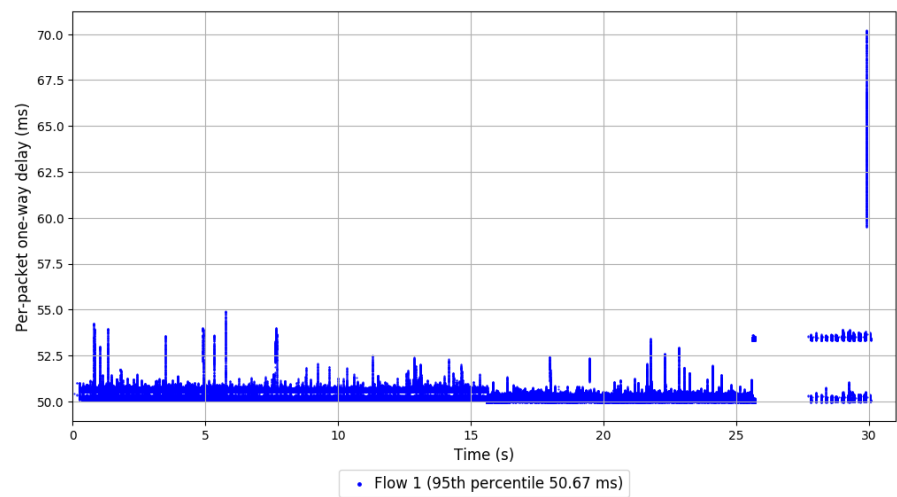
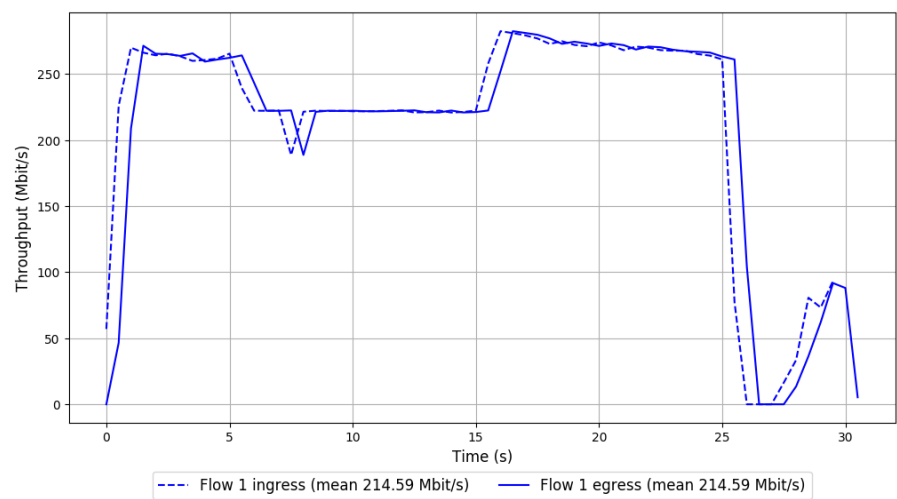


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-01 11:41:59
End at: 2018-07-01 11:42:29
Local clock offset: 0.163 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-01 16:05:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.59 Mbit/s
95th percentile per-packet one-way delay: 50.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.59 Mbit/s
95th percentile per-packet one-way delay: 50.673 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-01 12:03:37

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

Local clock offset: 0.167 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 16:05:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.38 Mbit/s

95th percentile per-packet one-way delay: 53.245 ms

Loss rate: 0.00%

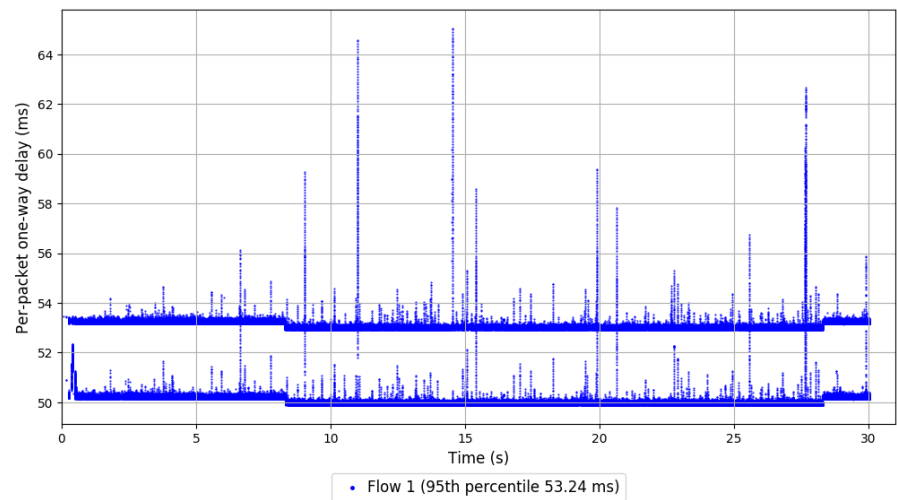
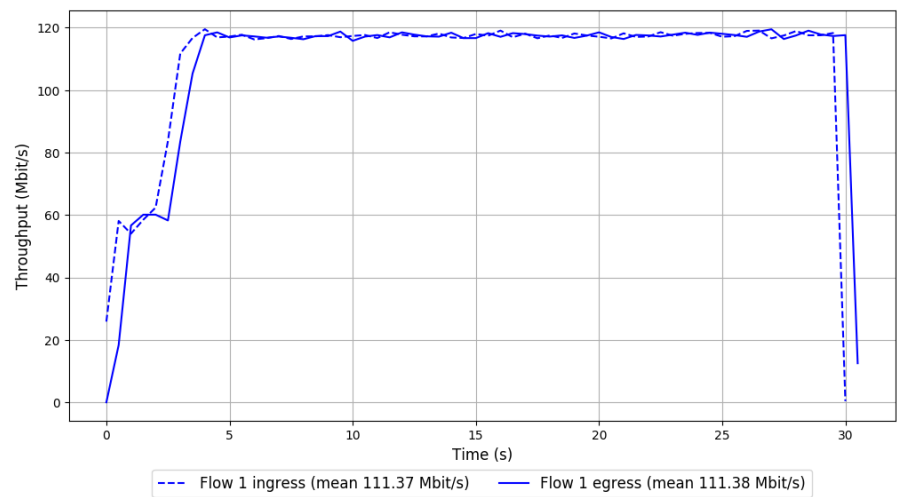
-- Flow 1:

Average throughput: 111.38 Mbit/s

95th percentile per-packet one-way delay: 53.245 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-01 12:25:37

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

Local clock offset: 0.244 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-01 16:05:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 53.557 ms

Loss rate: 0.00%

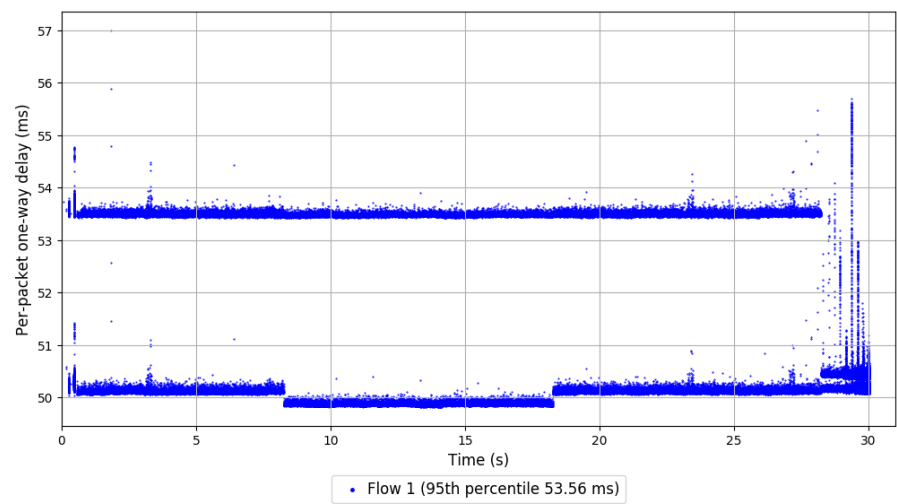
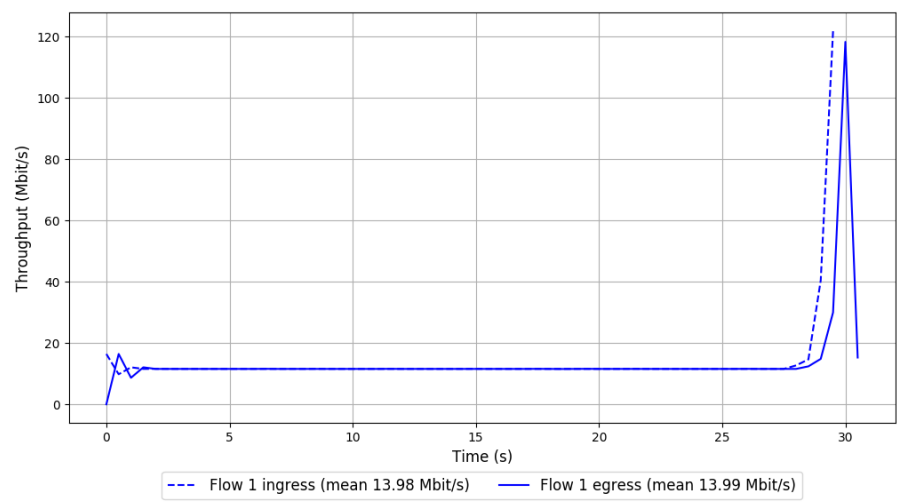
-- Flow 1:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 53.557 ms

Loss rate: 0.00%

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

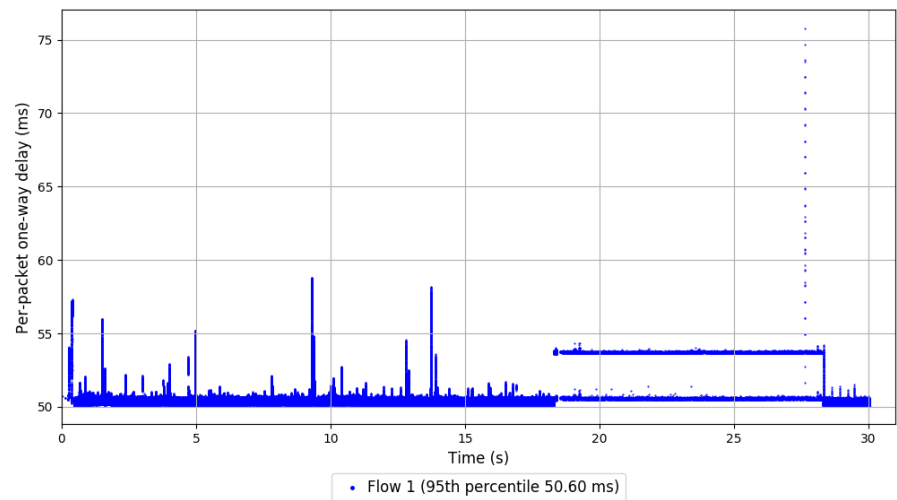
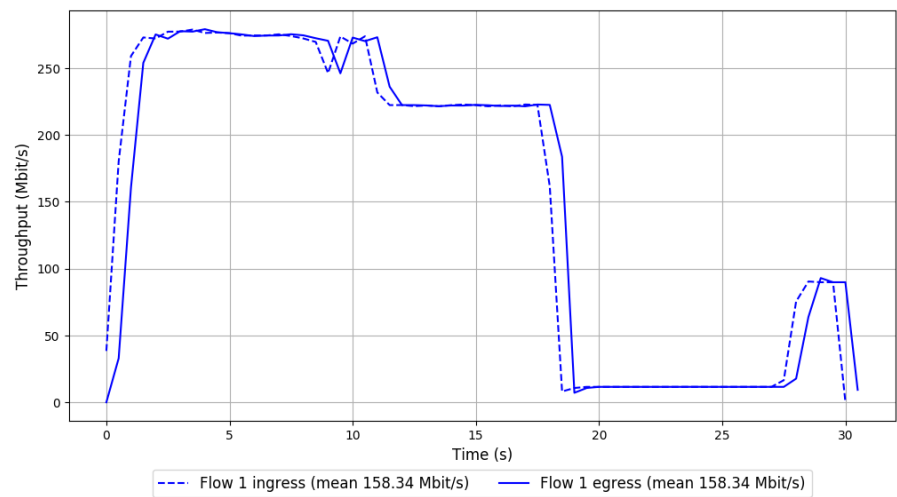


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-01 12:46:47
End at: 2018-07-01 12:47:17
Local clock offset: -0.042 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-01 16:05:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.34 Mbit/s
95th percentile per-packet one-way delay: 50.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.34 Mbit/s
95th percentile per-packet one-way delay: 50.602 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-01 13:08:20

End at: 2018-07-01 13:08:50

Local clock offset: -0.101 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-01 16:07:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.83 Mbit/s

95th percentile per-packet one-way delay: 50.757 ms

Loss rate: 0.00%

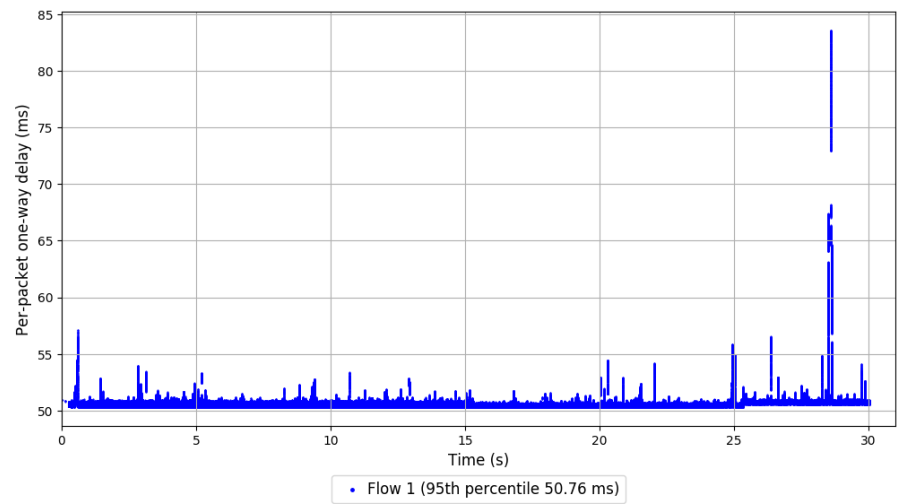
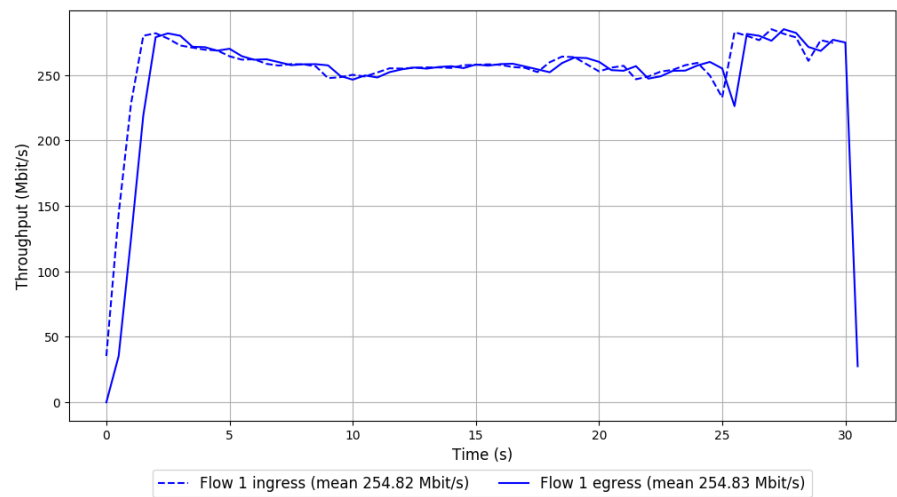
-- Flow 1:

Average throughput: 254.83 Mbit/s

95th percentile per-packet one-way delay: 50.757 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-01 13:29:47

End at: 2018-07-01 13:30:17

Local clock offset: 0.08 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-01 16:07:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.70 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 0.00%

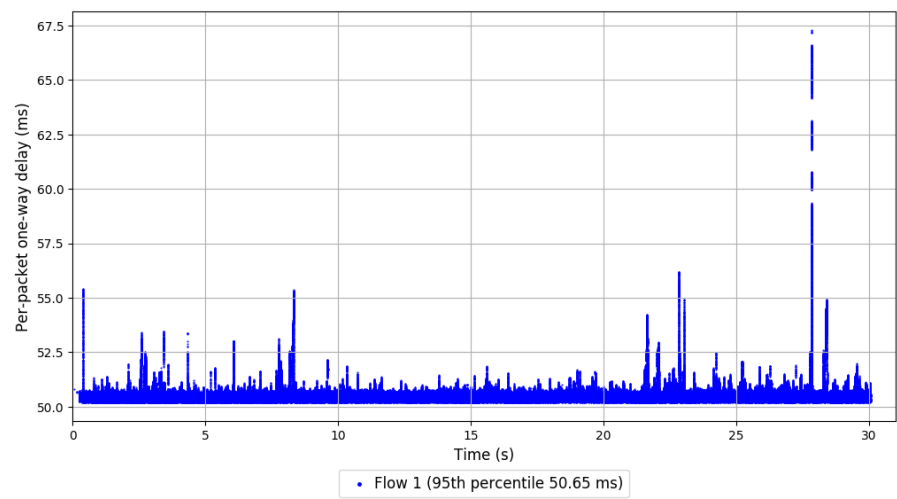
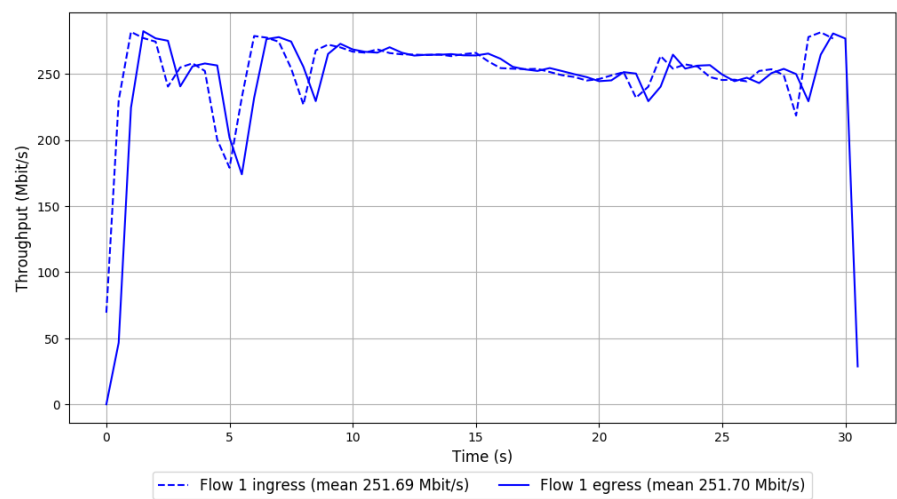
-- Flow 1:

Average throughput: 251.70 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 0.00%

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

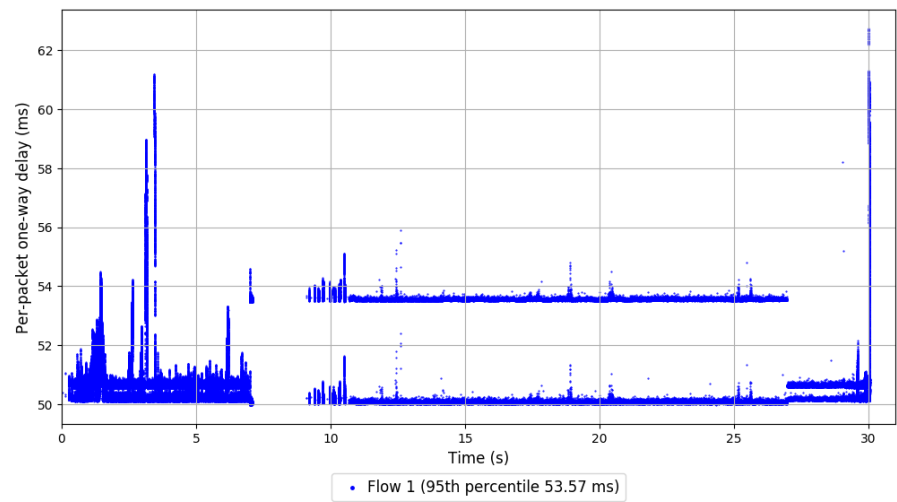
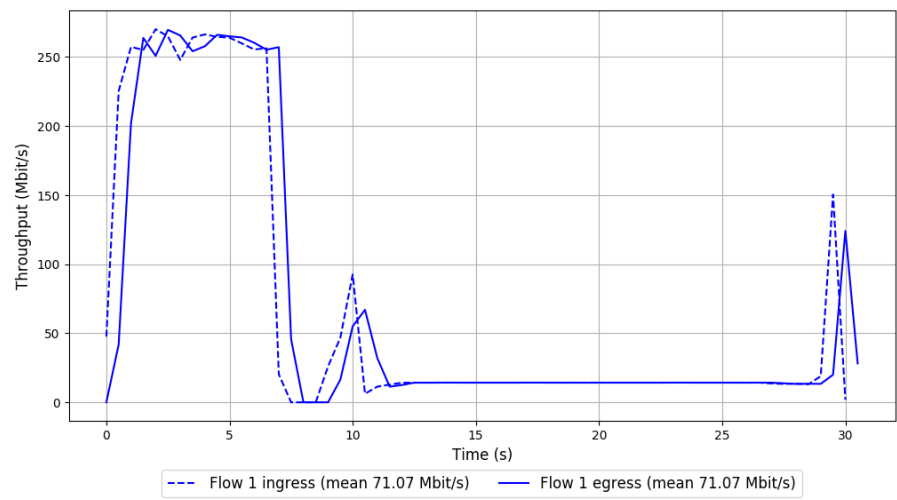


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-01 13:51:18
End at: 2018-07-01 13:51:48
Local clock offset: 0.097 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-01 16:07:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 53.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 53.567 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-01 14:12:32

End at: 2018-07-01 14:13:02

Local clock offset: 0.013 ms

Remote clock offset: -1.041 ms

Below is generated by plot.py at 2018-07-01 16:07:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 52.254 ms

Loss rate: 0.00%

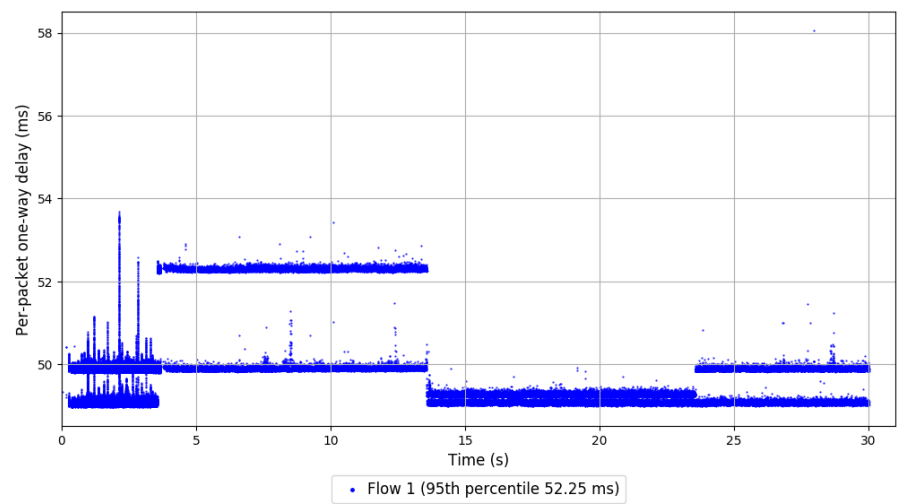
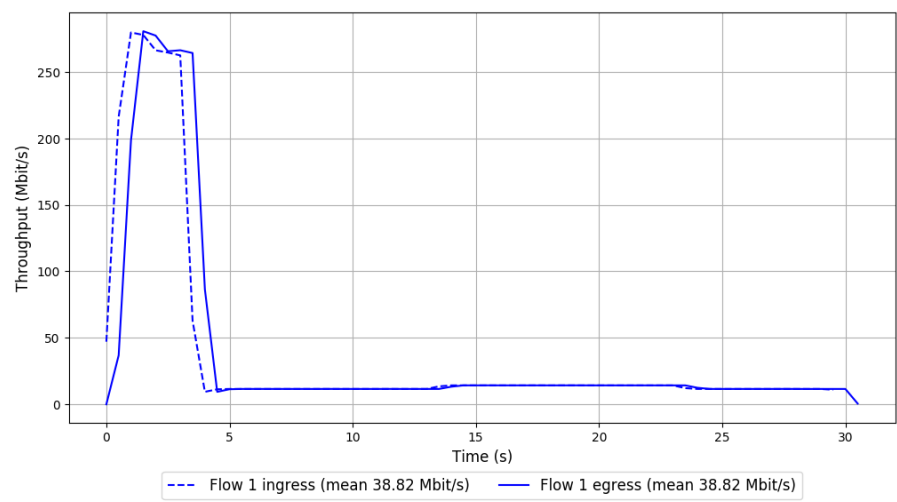
-- Flow 1:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 52.254 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-01 14:33:47

End at: 2018-07-01 14:34:17

Local clock offset: 0.01 ms

Remote clock offset: 0.879 ms

Below is generated by plot.py at 2018-07-01 16:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.68 Mbit/s

95th percentile per-packet one-way delay: 51.640 ms

Loss rate: 0.00%

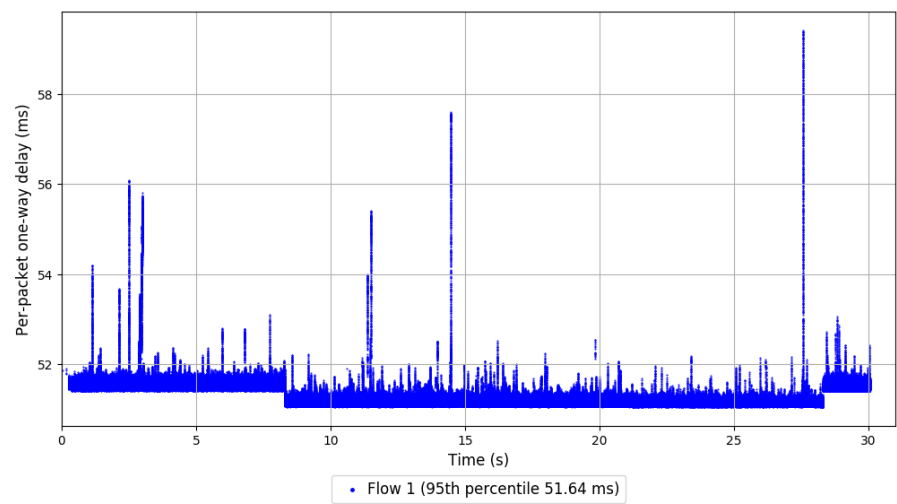
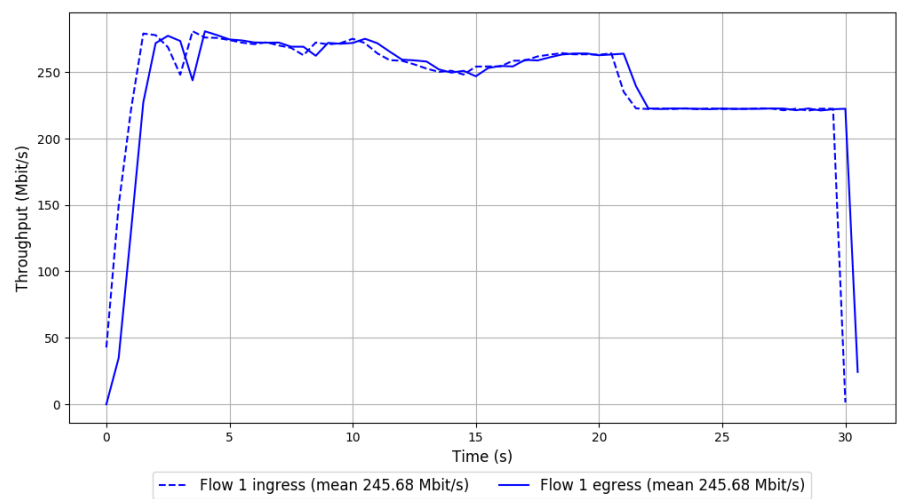
-- Flow 1:

Average throughput: 245.68 Mbit/s

95th percentile per-packet one-way delay: 51.640 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-01 11:31:31

End at: 2018-07-01 11:32:01

Local clock offset: 0.123 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-07-01 16:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.74 Mbit/s

95th percentile per-packet one-way delay: 56.255 ms

Loss rate: 0.00%

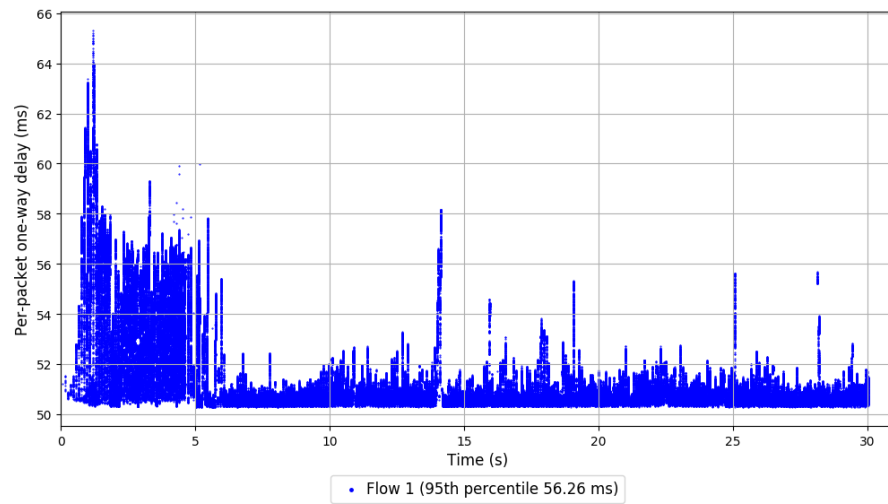
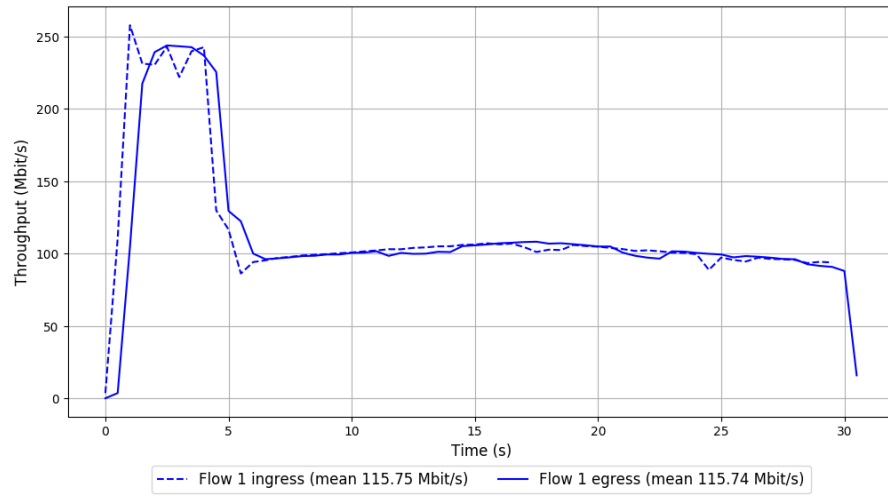
-- Flow 1:

Average throughput: 115.74 Mbit/s

95th percentile per-packet one-way delay: 56.255 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

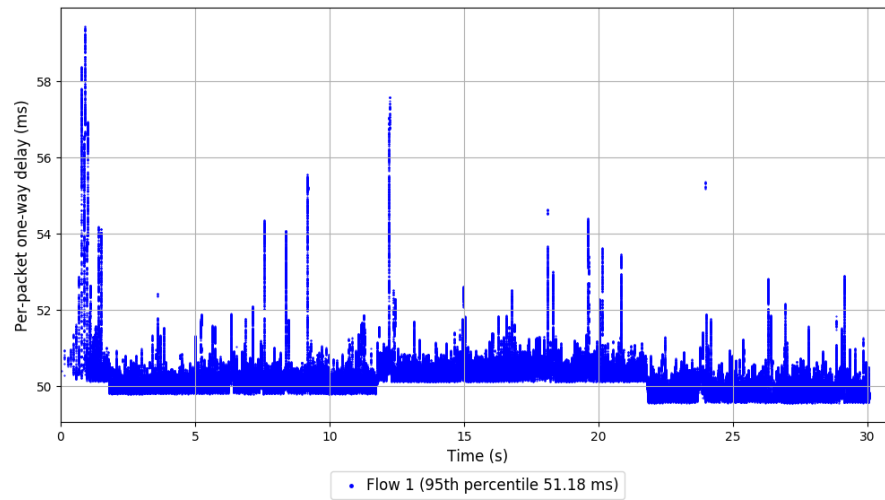
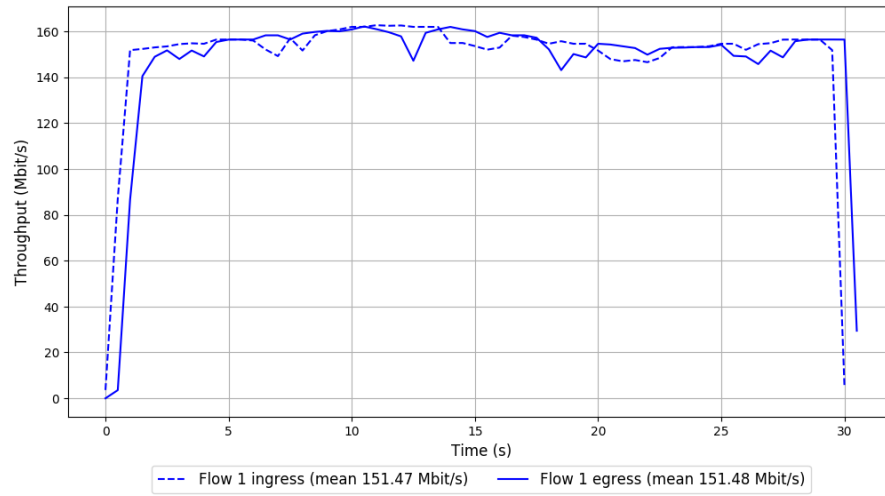


Run 2: Statistics of TCP Vegas

Start at: 2018-07-01 11:53:13
End at: 2018-07-01 11:53:43
Local clock offset: 0.279 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-01 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.48 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.48 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

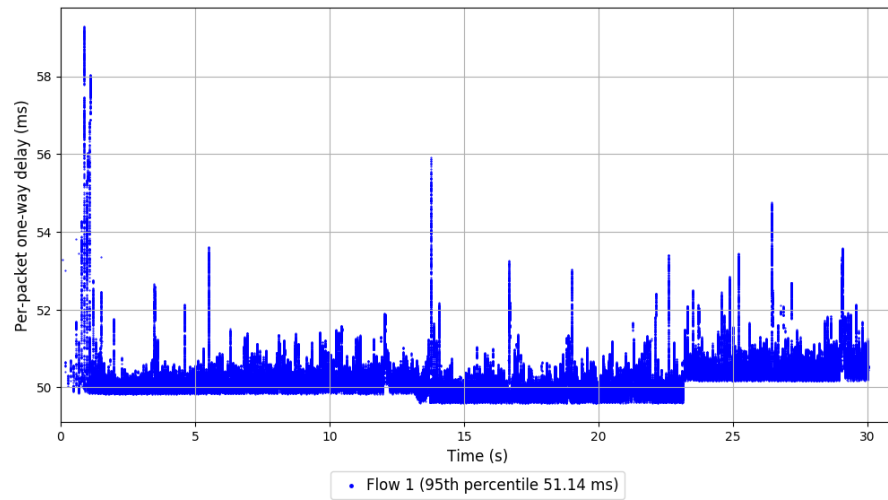
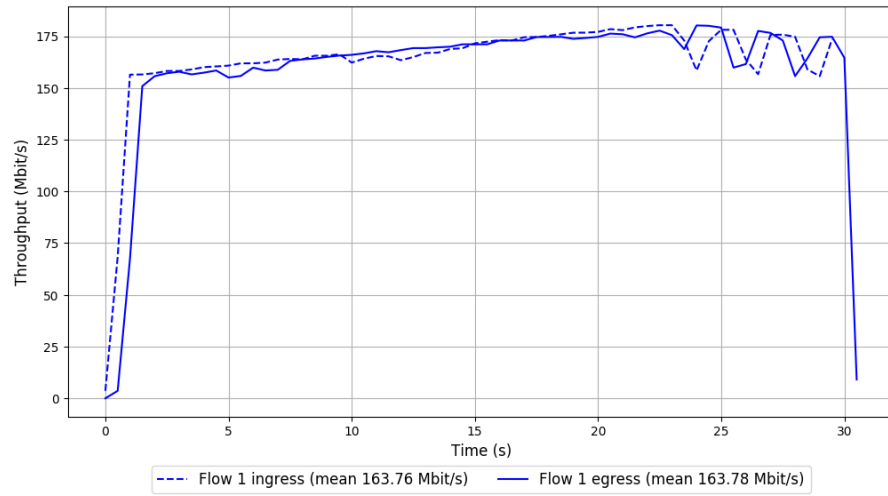


Run 3: Statistics of TCP Vegas

Start at: 2018-07-01 12:15:02
End at: 2018-07-01 12:15:32
Local clock offset: 0.225 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-01 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.78 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.78 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-01 12:36:33

End at: 2018-07-01 12:37:03

Local clock offset: -0.055 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-07-01 16:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 51.856 ms

Loss rate: 0.00%

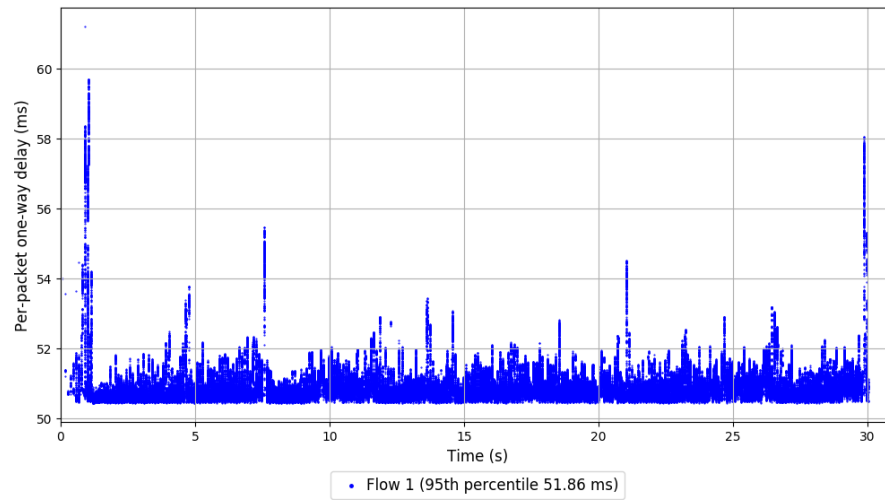
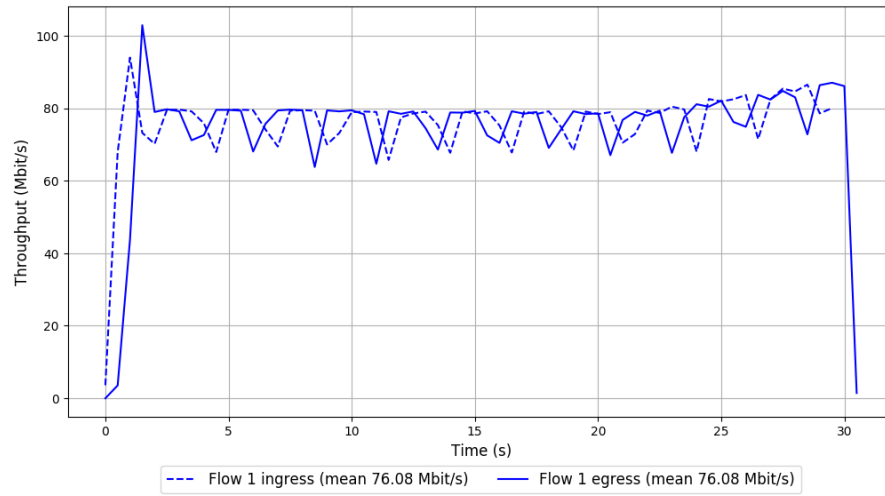
-- Flow 1:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 51.856 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-01 12:57:58

End at: 2018-07-01 12:58:29

Local clock offset: 0.109 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-01 16:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.45 Mbit/s

95th percentile per-packet one-way delay: 52.190 ms

Loss rate: 0.00%

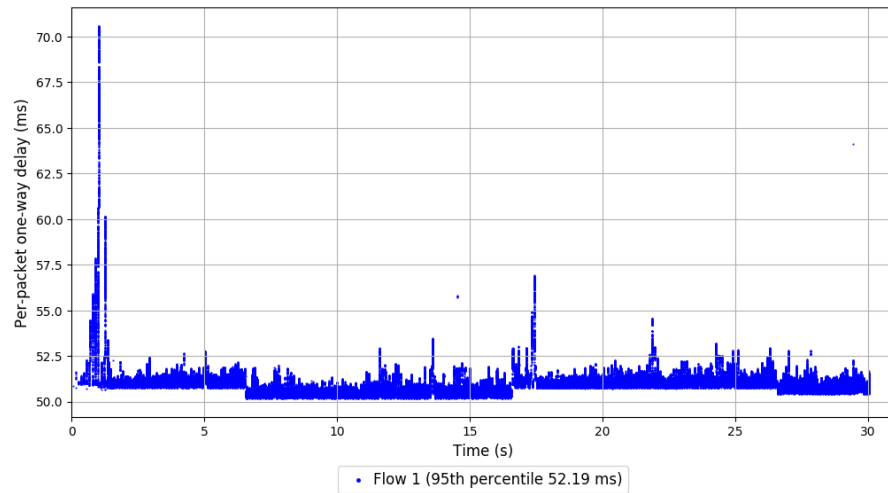
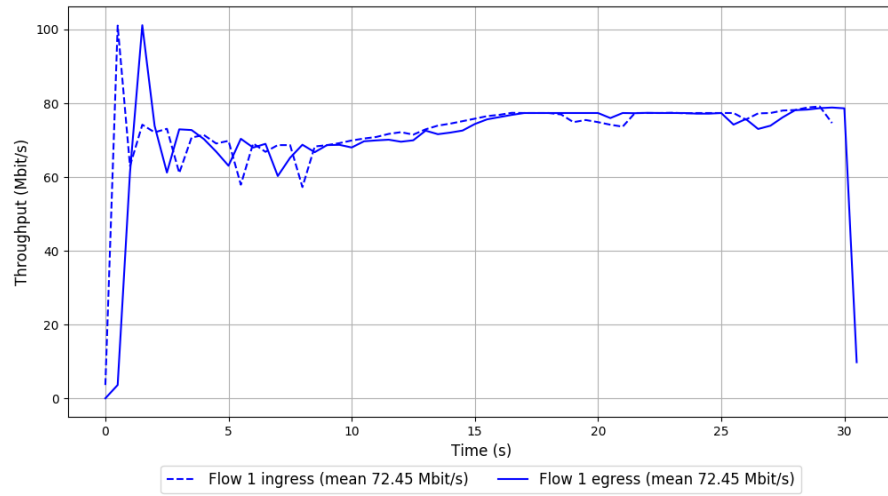
-- Flow 1:

Average throughput: 72.45 Mbit/s

95th percentile per-packet one-way delay: 52.190 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

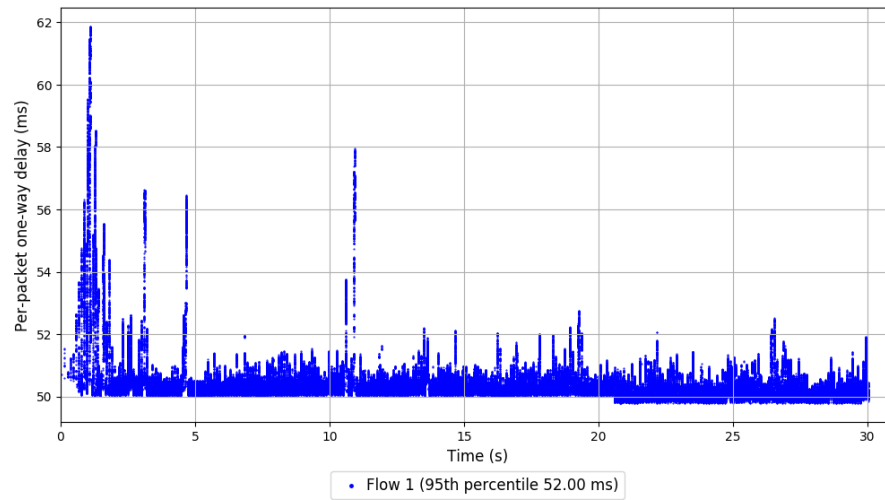
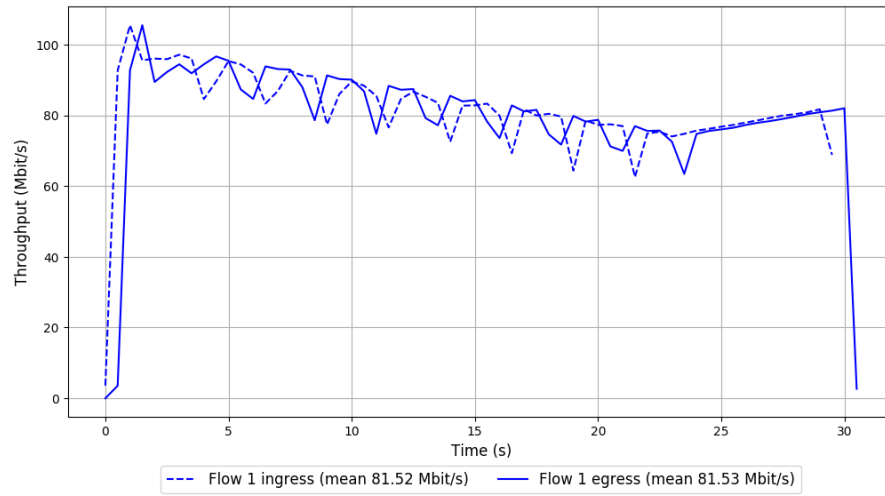


Run 6: Statistics of TCP Vegas

Start at: 2018-07-01 13:19:34
End at: 2018-07-01 13:20:04
Local clock offset: 0.086 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-01 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.53 Mbit/s
95th percentile per-packet one-way delay: 51.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.53 Mbit/s
95th percentile per-packet one-way delay: 51.996 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

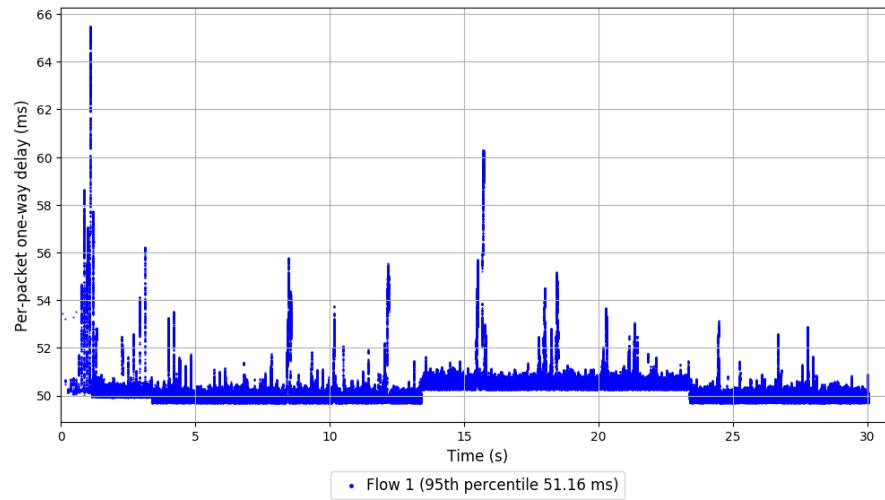
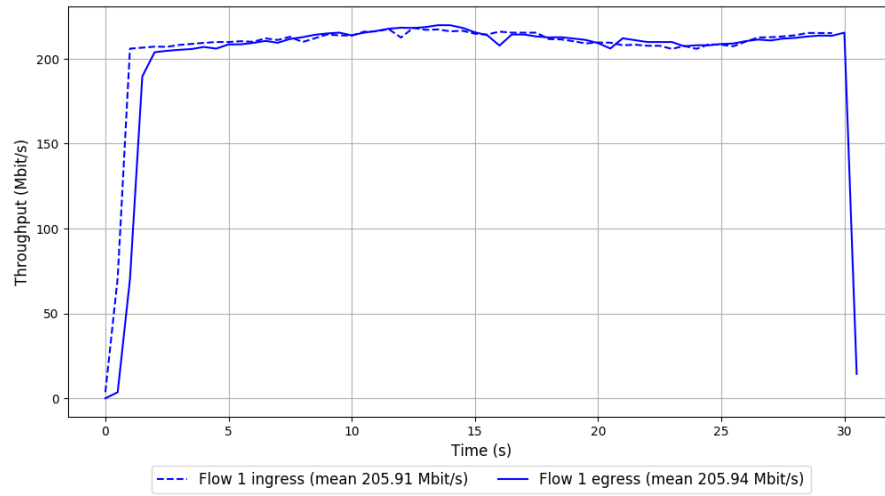


Run 7: Statistics of TCP Vegas

Start at: 2018-07-01 13:41:02
End at: 2018-07-01 13:41:32
Local clock offset: 0.227 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-01 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.94 Mbit/s
95th percentile per-packet one-way delay: 51.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.94 Mbit/s
95th percentile per-packet one-way delay: 51.157 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

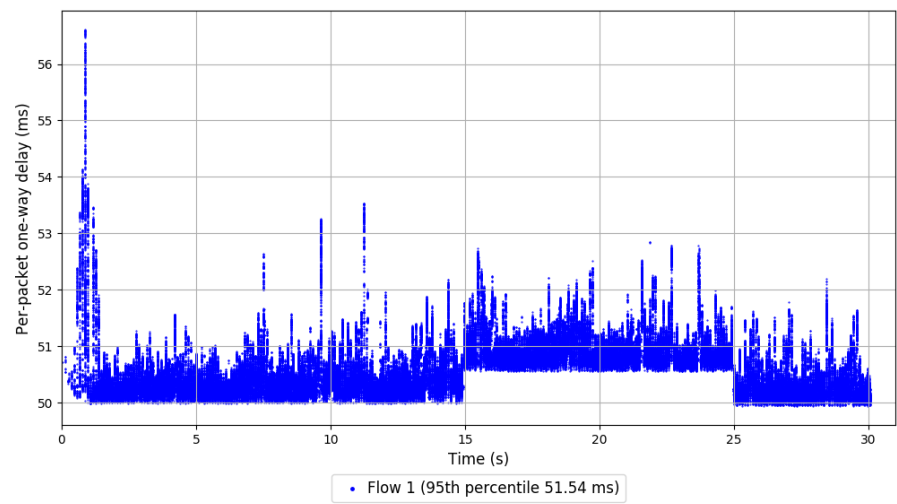
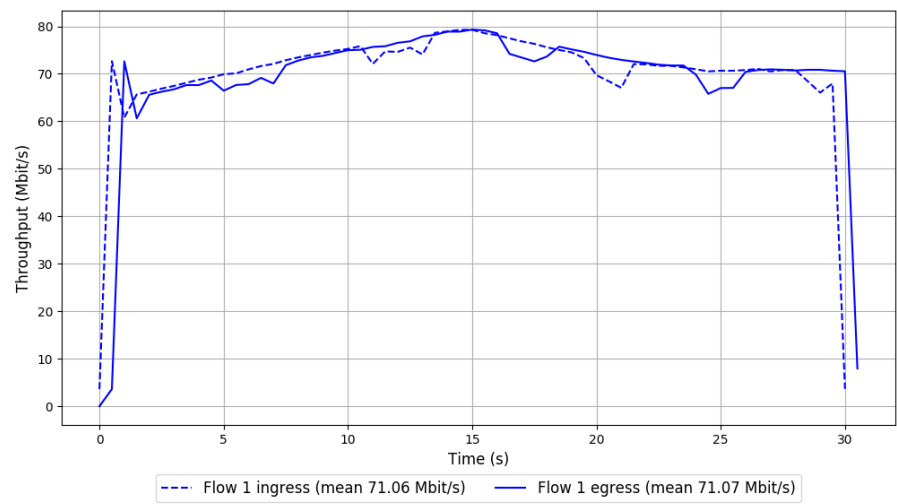


Run 8: Statistics of TCP Vegas

Start at: 2018-07-01 14:02:20
End at: 2018-07-01 14:02:50
Local clock offset: 0.138 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-01 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.07 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

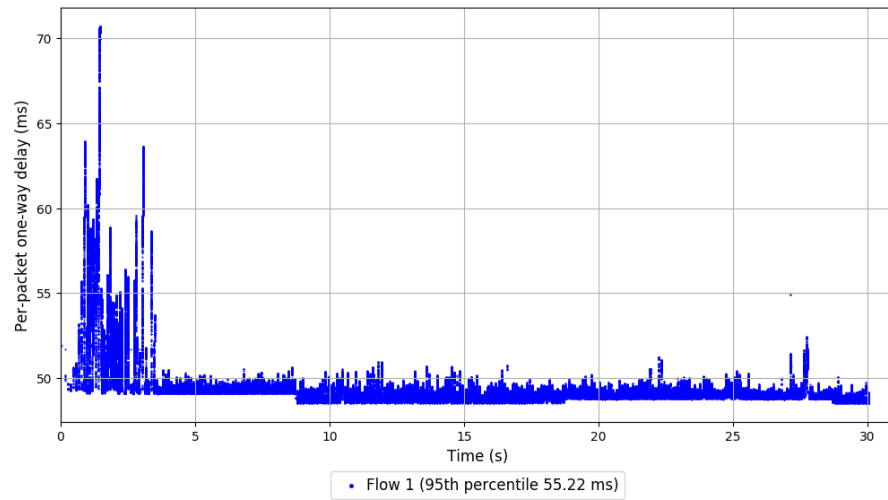
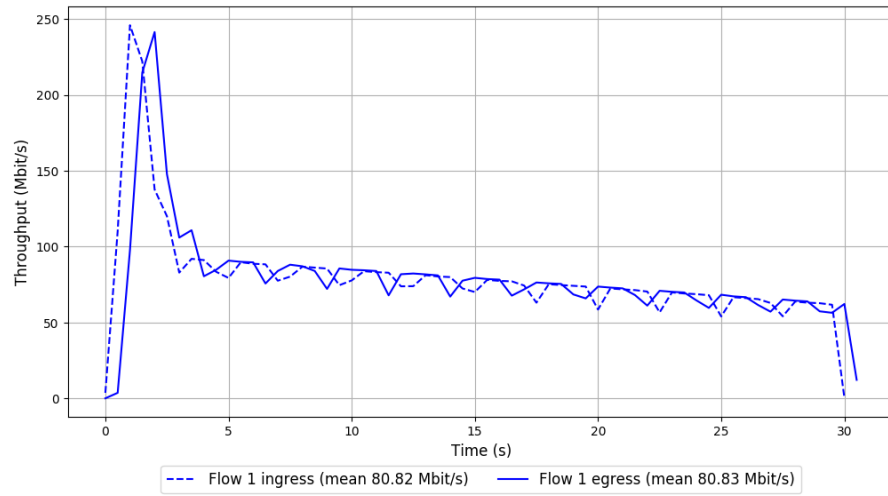


Run 9: Statistics of TCP Vegas

Start at: 2018-07-01 14:23:36
End at: 2018-07-01 14:24:06
Local clock offset: 0.208 ms
Remote clock offset: -1.292 ms

Below is generated by plot.py at 2018-07-01 16:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 55.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 55.216 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-01 14:45:09

End at: 2018-07-01 14:45:39

Local clock offset: 0.199 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-01 16:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.69 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.00%

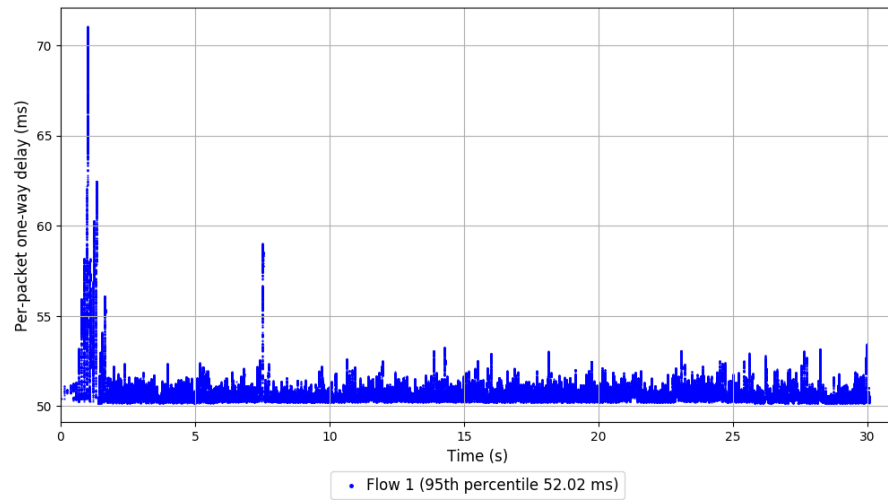
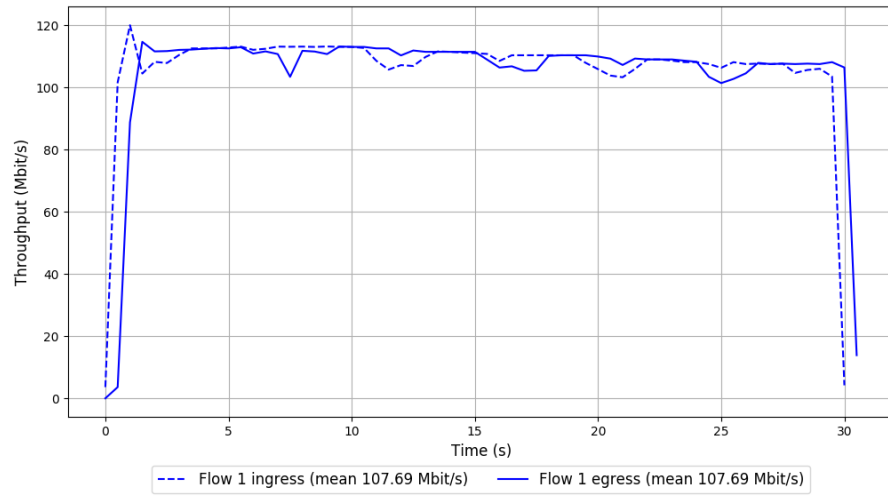
-- Flow 1:

Average throughput: 107.69 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

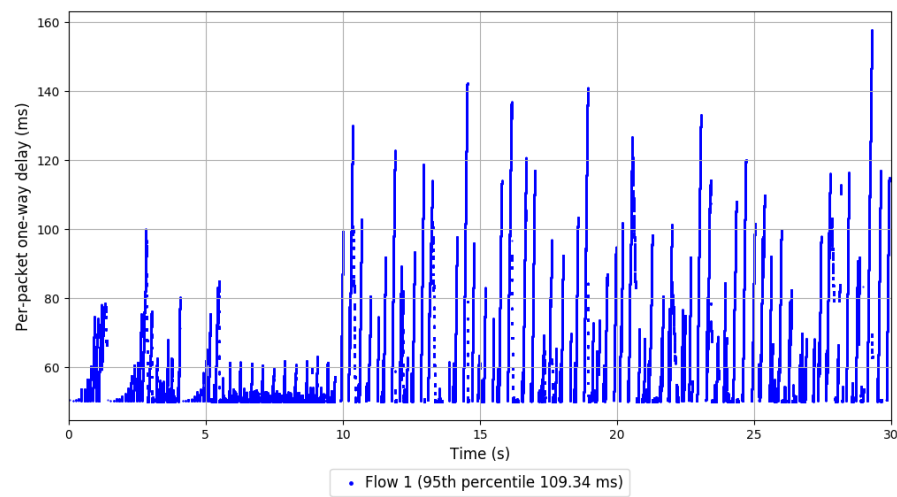
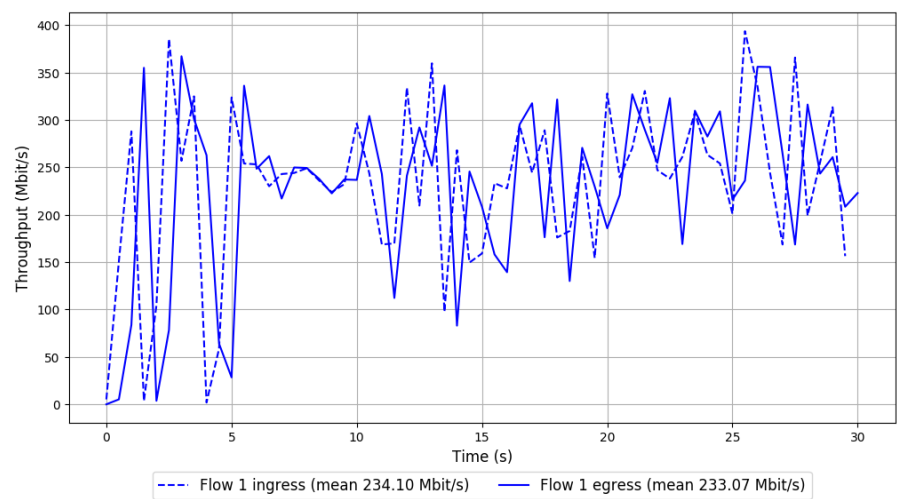


Run 1: Statistics of Verus

Start at: 2018-07-01 11:16:16
End at: 2018-07-01 11:16:46
Local clock offset: 0.109 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-01 16:11:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.07 Mbit/s
95th percentile per-packet one-way delay: 109.337 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 233.07 Mbit/s
95th percentile per-packet one-way delay: 109.337 ms
Loss rate: 0.28%

Run 1: Report of Verus — Data Link

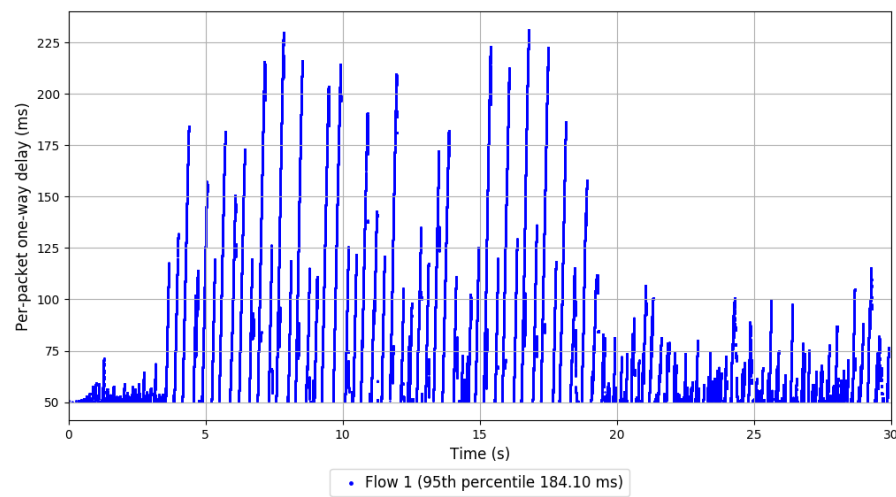
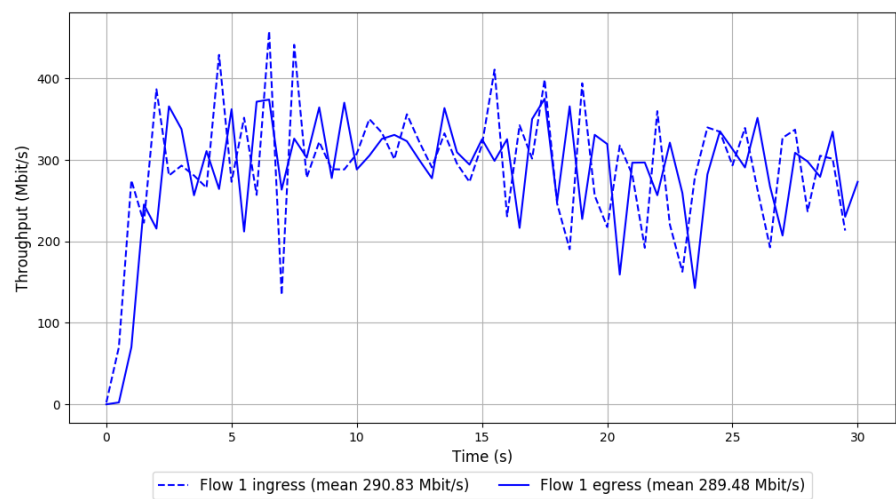


Run 2: Statistics of Verus

Start at: 2018-07-01 11:37:39
End at: 2018-07-01 11:38:09
Local clock offset: 0.054 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-01 16:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.48 Mbit/s
95th percentile per-packet one-way delay: 184.101 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 289.48 Mbit/s
95th percentile per-packet one-way delay: 184.101 ms
Loss rate: 0.39%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-01 11:59:19

End at: 2018-07-01 11:59:49

Local clock offset: 0.281 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-07-01 16:11:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.21 Mbit/s

95th percentile per-packet one-way delay: 64.208 ms

Loss rate: 0.00%

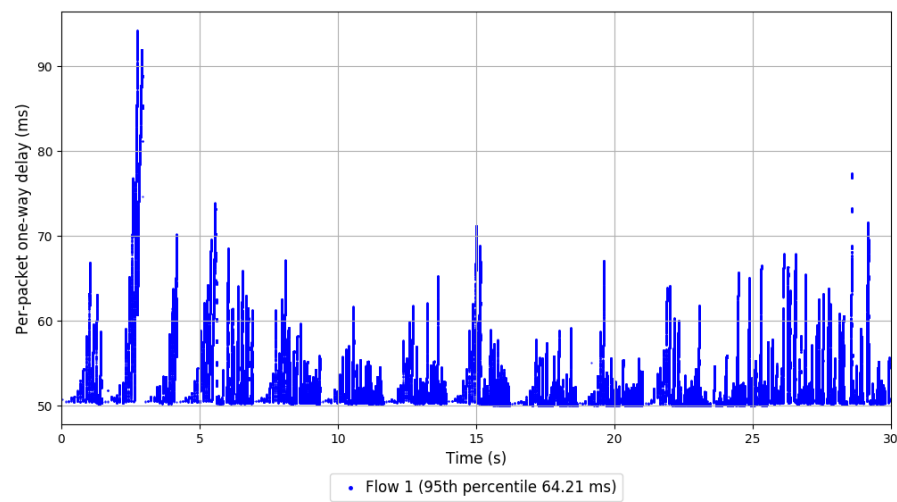
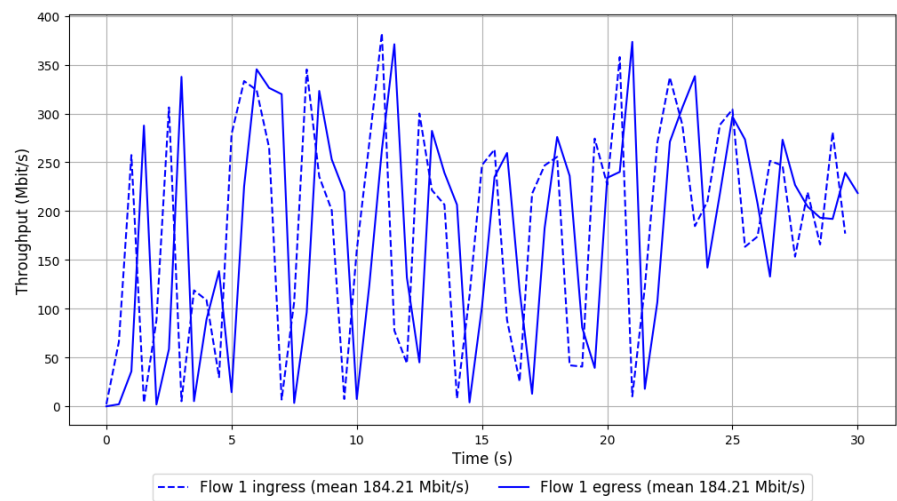
-- Flow 1:

Average throughput: 184.21 Mbit/s

95th percentile per-packet one-way delay: 64.208 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

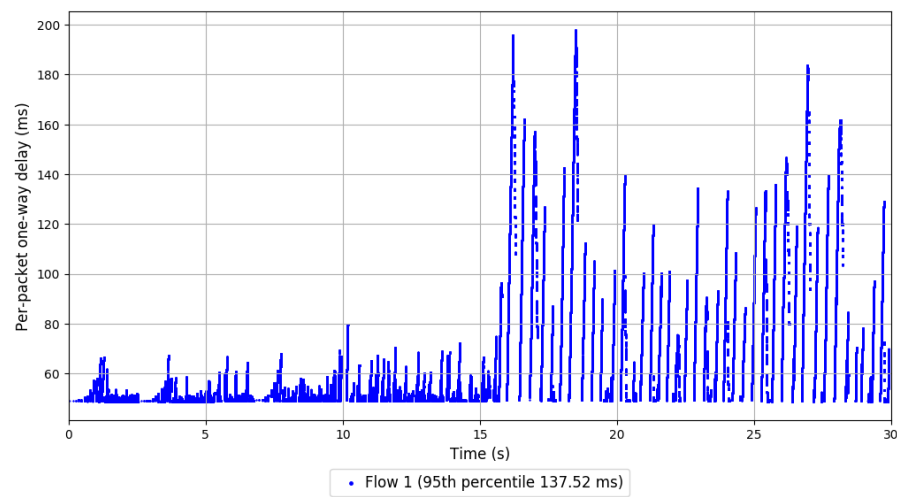
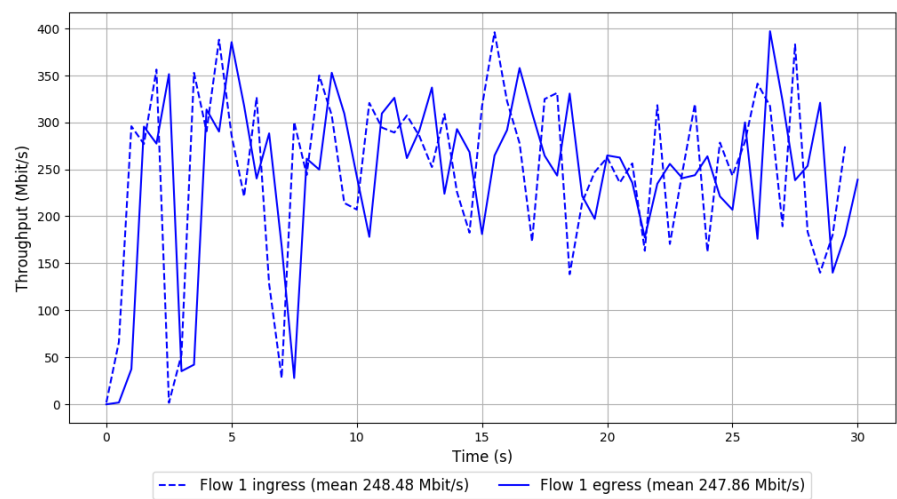


Run 4: Statistics of Verus

Start at: 2018-07-01 12:21:10
End at: 2018-07-01 12:21:40
Local clock offset: 0.176 ms
Remote clock offset: -1.399 ms

Below is generated by plot.py at 2018-07-01 16:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.86 Mbit/s
95th percentile per-packet one-way delay: 137.516 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 247.86 Mbit/s
95th percentile per-packet one-way delay: 137.516 ms
Loss rate: 0.25%

Run 4: Report of Verus — Data Link

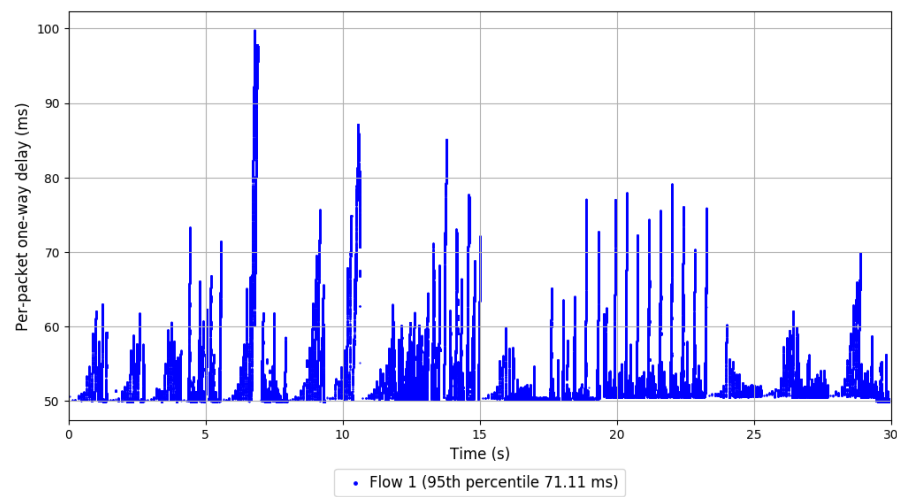
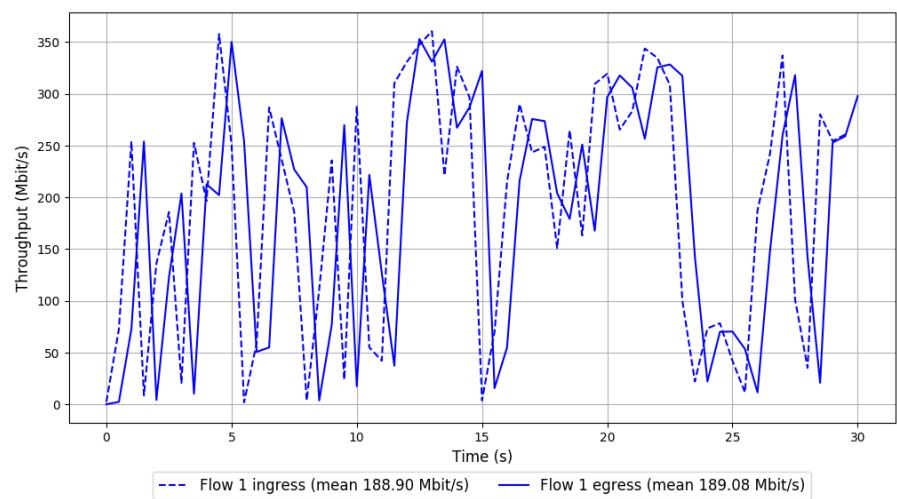


Run 5: Statistics of Verus

Start at: 2018-07-01 12:42:36
End at: 2018-07-01 12:43:06
Local clock offset: 0.03 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-01 16:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.08 Mbit/s
95th percentile per-packet one-way delay: 71.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.08 Mbit/s
95th percentile per-packet one-way delay: 71.113 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

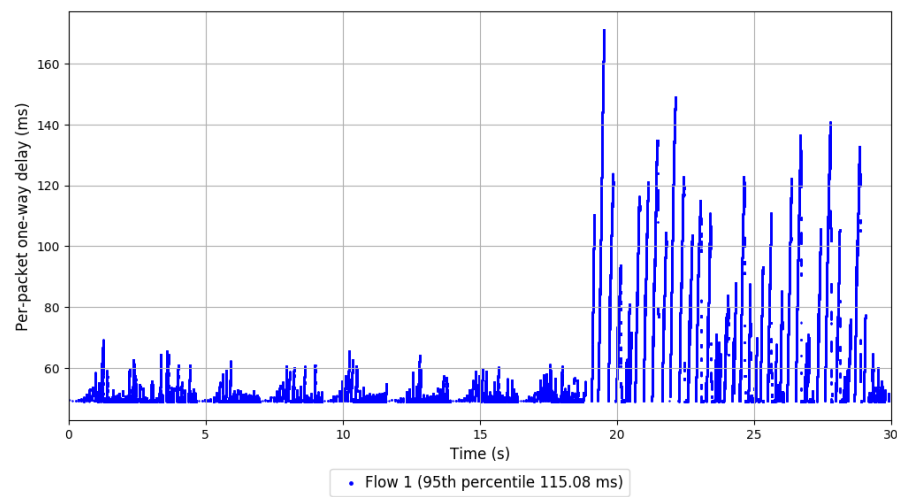
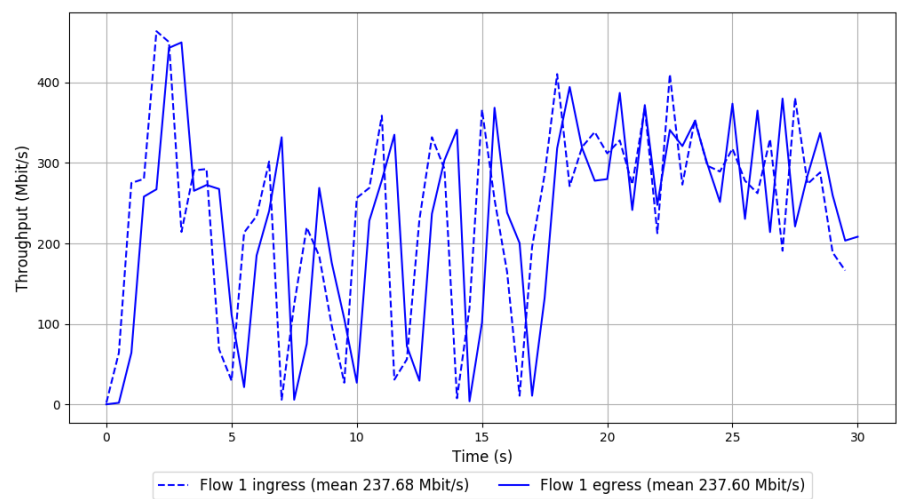


Run 6: Statistics of Verus

Start at: 2018-07-01 13:04:02
End at: 2018-07-01 13:04:32
Local clock offset: 0.184 ms
Remote clock offset: -1.024 ms

Below is generated by plot.py at 2018-07-01 16:11:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.60 Mbit/s
95th percentile per-packet one-way delay: 115.075 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 237.60 Mbit/s
95th percentile per-packet one-way delay: 115.075 ms
Loss rate: 0.03%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-01 13:25:31

End at: 2018-07-01 13:26:01

Local clock offset: 0.019 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2018-07-01 16:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.47 Mbit/s

95th percentile per-packet one-way delay: 96.594 ms

Loss rate: 0.00%

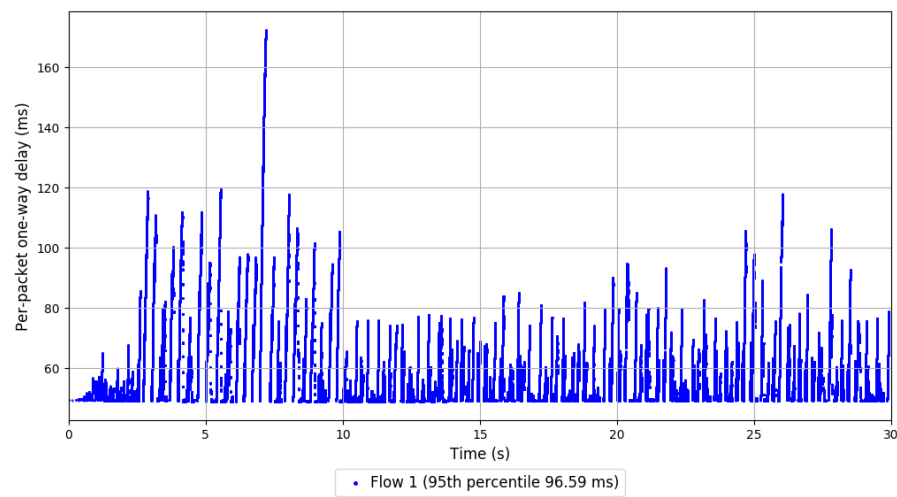
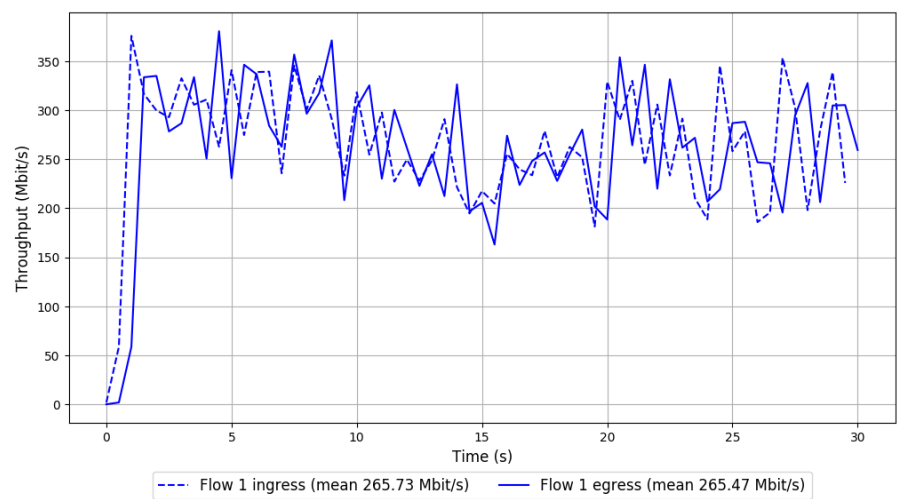
-- Flow 1:

Average throughput: 265.47 Mbit/s

95th percentile per-packet one-way delay: 96.594 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

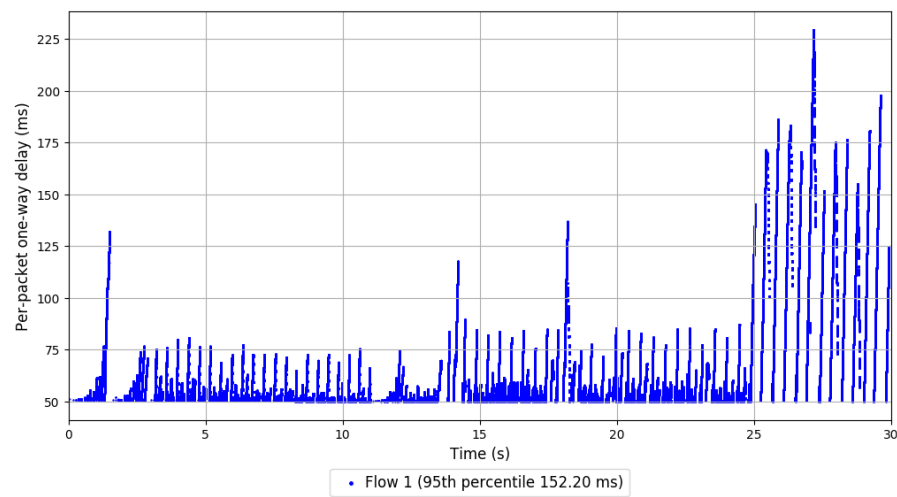
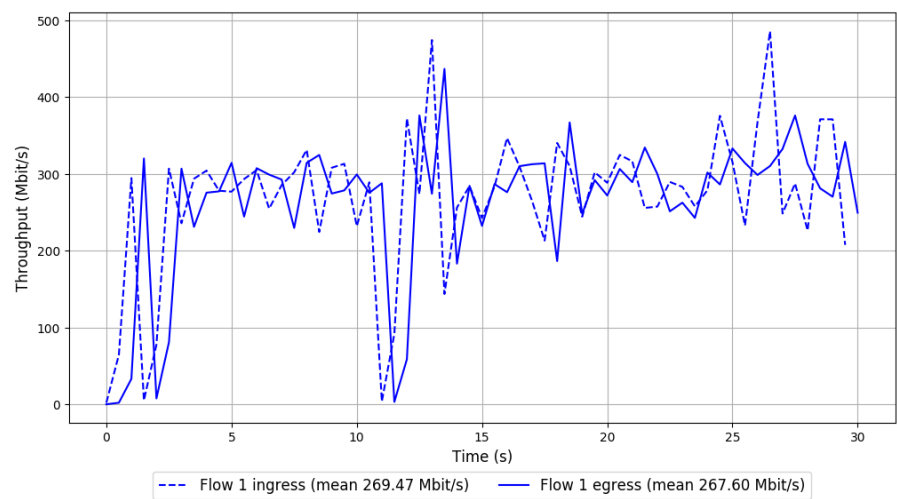


Run 8: Statistics of Verus

Start at: 2018-07-01 13:47:07
End at: 2018-07-01 13:47:37
Local clock offset: 0.082 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-01 16:14:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.60 Mbit/s
95th percentile per-packet one-way delay: 152.201 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 267.60 Mbit/s
95th percentile per-packet one-way delay: 152.201 ms
Loss rate: 0.56%

Run 8: Report of Verus — Data Link

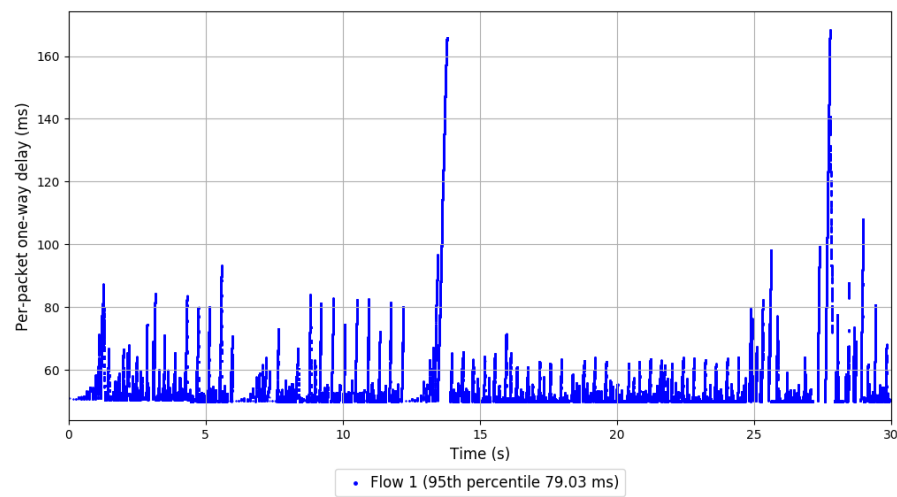
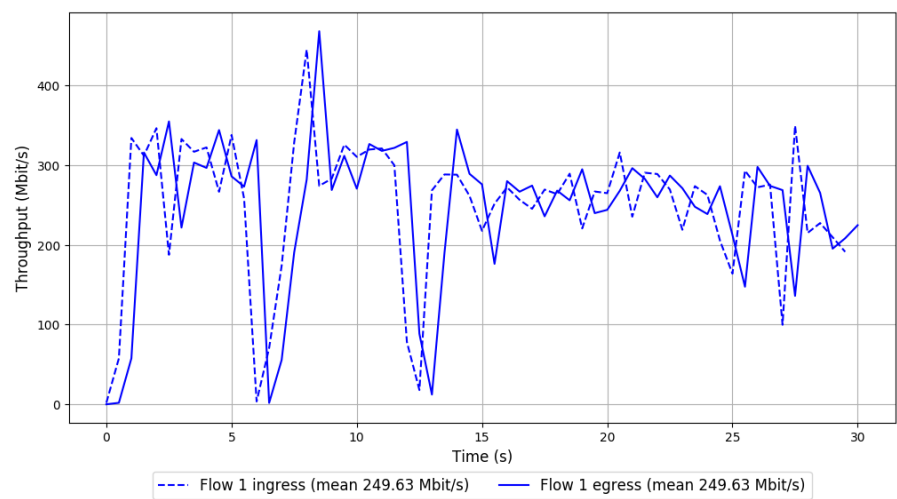


Run 9: Statistics of Verus

Start at: 2018-07-01 14:08:21
End at: 2018-07-01 14:08:51
Local clock offset: 0.211 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-07-01 16:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.63 Mbit/s
95th percentile per-packet one-way delay: 79.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 249.63 Mbit/s
95th percentile per-packet one-way delay: 79.030 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-01 14:29:38

End at: 2018-07-01 14:30:08

Local clock offset: -0.053 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-07-01 16:14:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.98 Mbit/s

95th percentile per-packet one-way delay: 67.602 ms

Loss rate: 0.15%

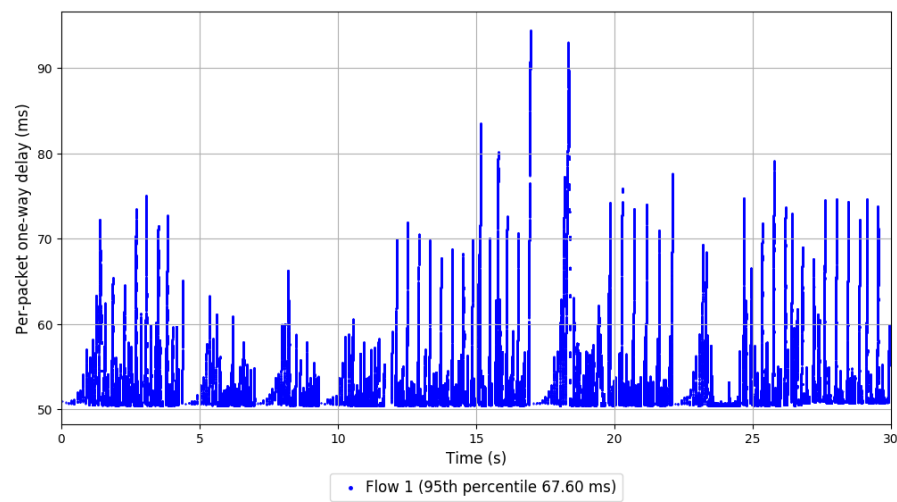
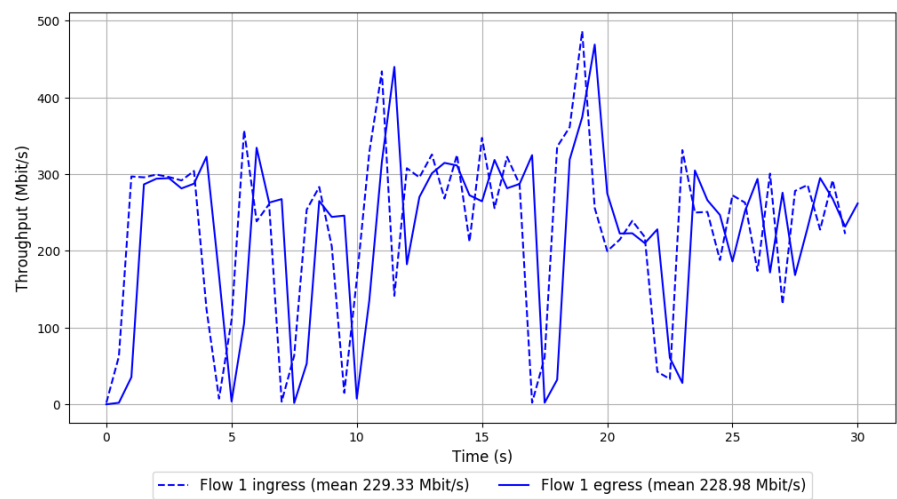
-- Flow 1:

Average throughput: 228.98 Mbit/s

95th percentile per-packet one-way delay: 67.602 ms

Loss rate: 0.15%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-01 11:17:36

End at: 2018-07-01 11:18:06

Local clock offset: 0.282 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-01 16:17:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.93 Mbit/s

95th percentile per-packet one-way delay: 53.732 ms

Loss rate: 0.00%

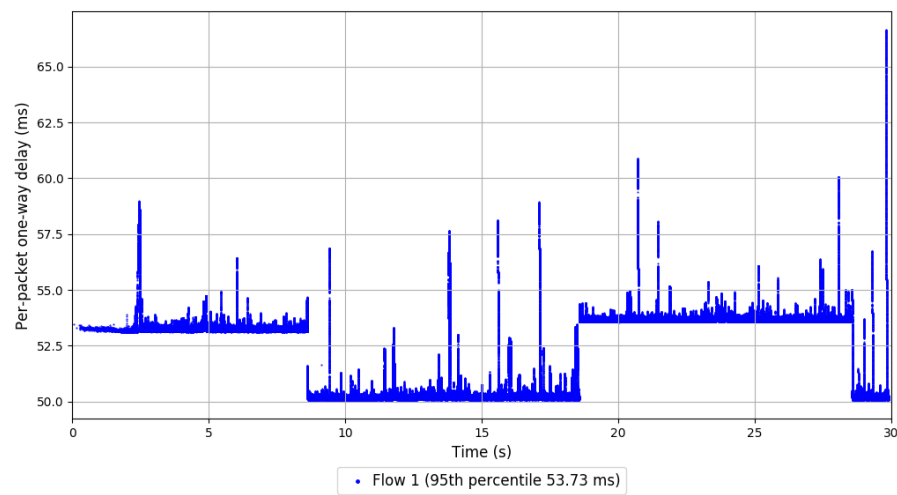
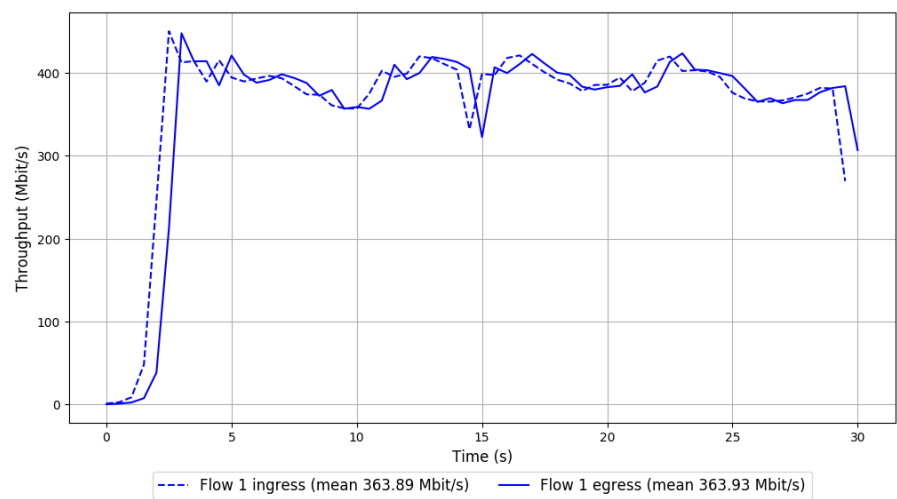
-- Flow 1:

Average throughput: 363.93 Mbit/s

95th percentile per-packet one-way delay: 53.732 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-01 11:39:02

End at: 2018-07-01 11:39:32

Local clock offset: 0.259 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-07-01 16:17:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.01 Mbit/s

95th percentile per-packet one-way delay: 53.389 ms

Loss rate: 0.00%

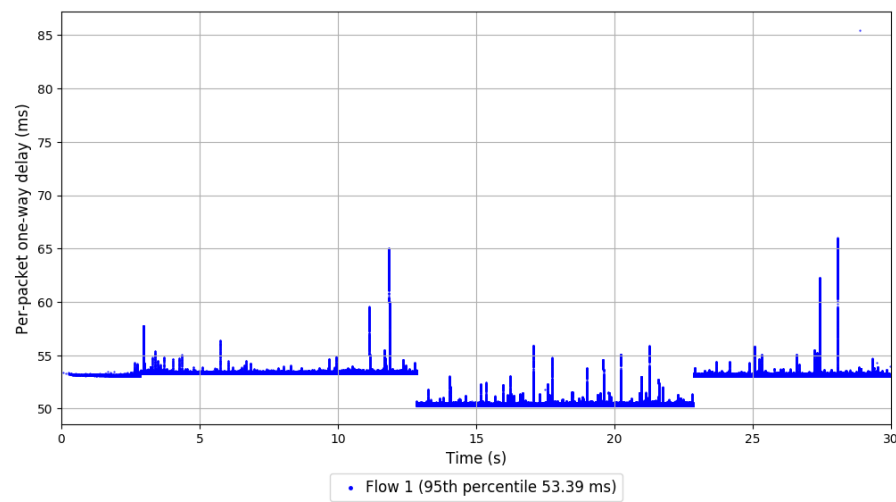
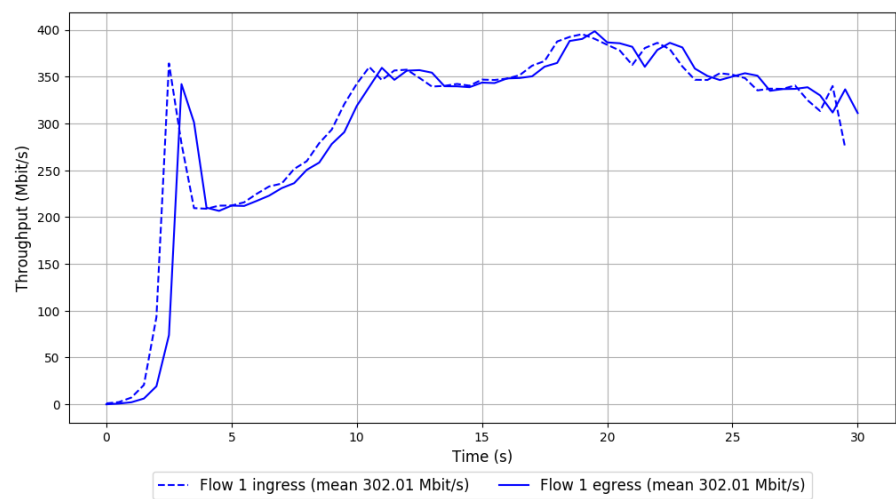
-- Flow 1:

Average throughput: 302.01 Mbit/s

95th percentile per-packet one-way delay: 53.389 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

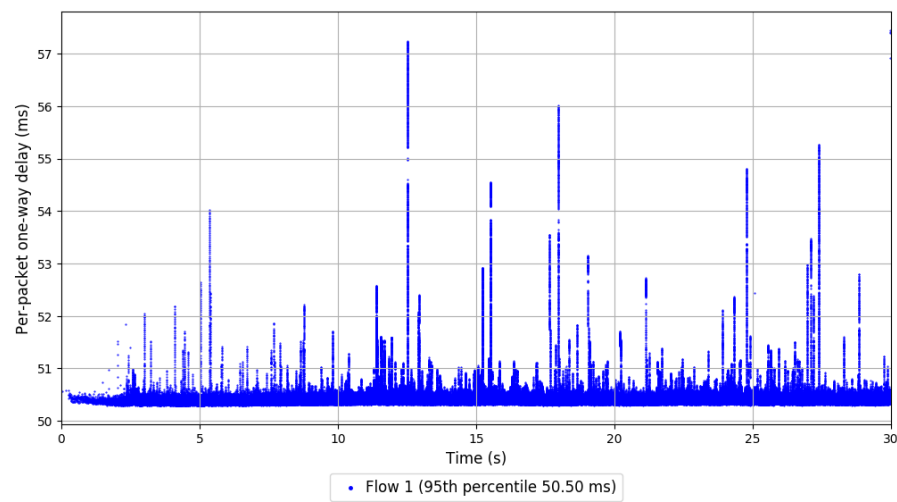
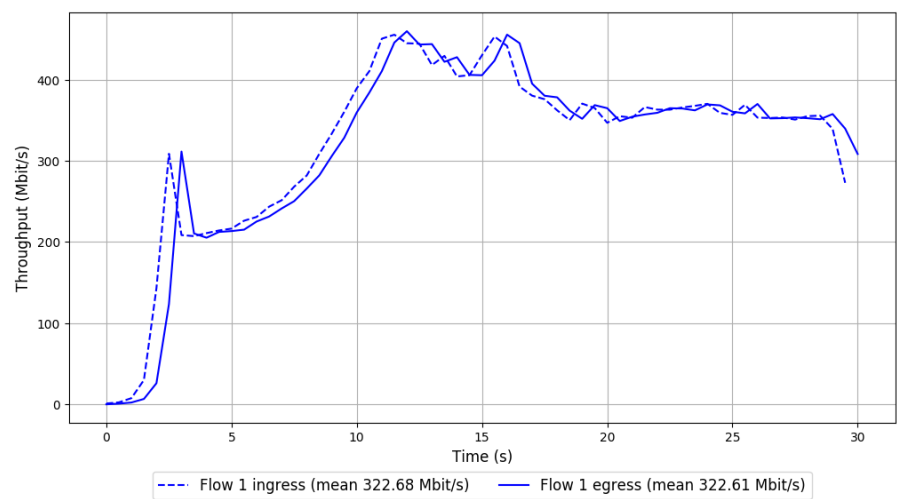


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-01 12:00:37
End at: 2018-07-01 12:01:07
Local clock offset: 0.042 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-01 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.61 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.61 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

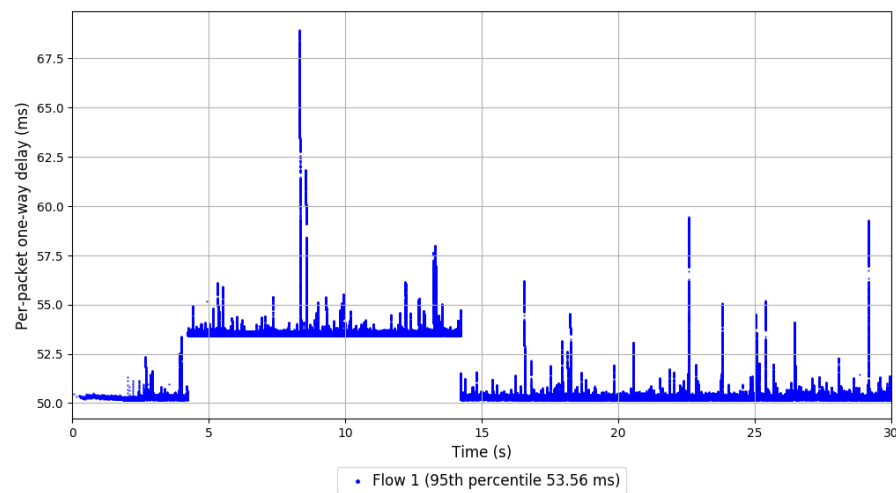
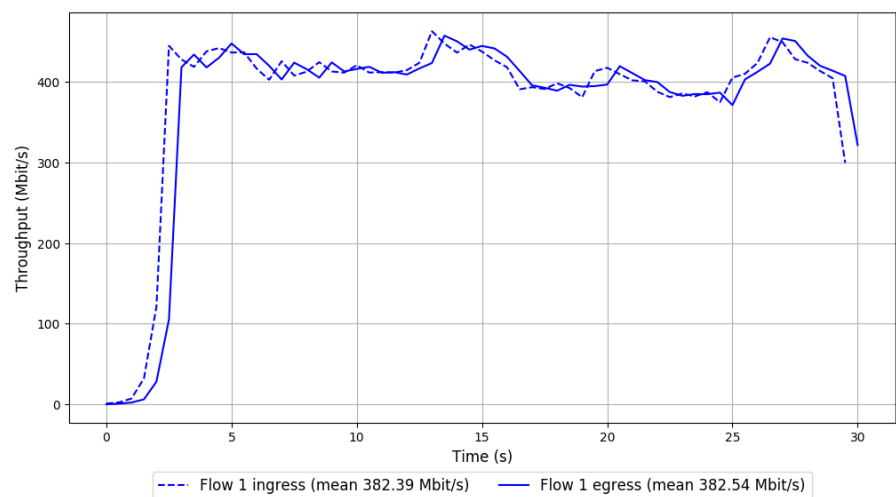


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-01 12:22:31
End at: 2018-07-01 12:23:01
Local clock offset: -0.001 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-01 16:19:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.54 Mbit/s
95th percentile per-packet one-way delay: 53.558 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 382.54 Mbit/s
95th percentile per-packet one-way delay: 53.558 ms
Loss rate: 0.07%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-01 12:43:53

End at: 2018-07-01 12:44:23

Local clock offset: 0.145 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-01 16:19:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.82 Mbit/s

95th percentile per-packet one-way delay: 53.181 ms

Loss rate: 0.01%

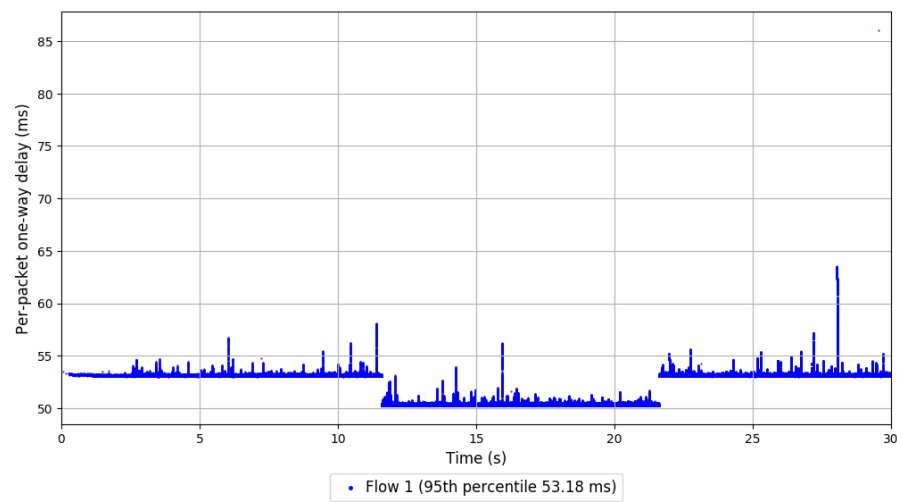
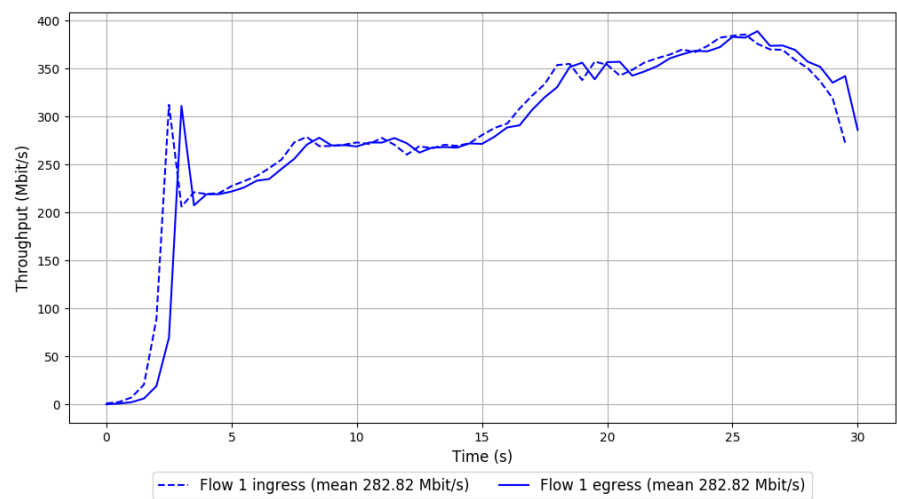
-- Flow 1:

Average throughput: 282.82 Mbit/s

95th percentile per-packet one-way delay: 53.181 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

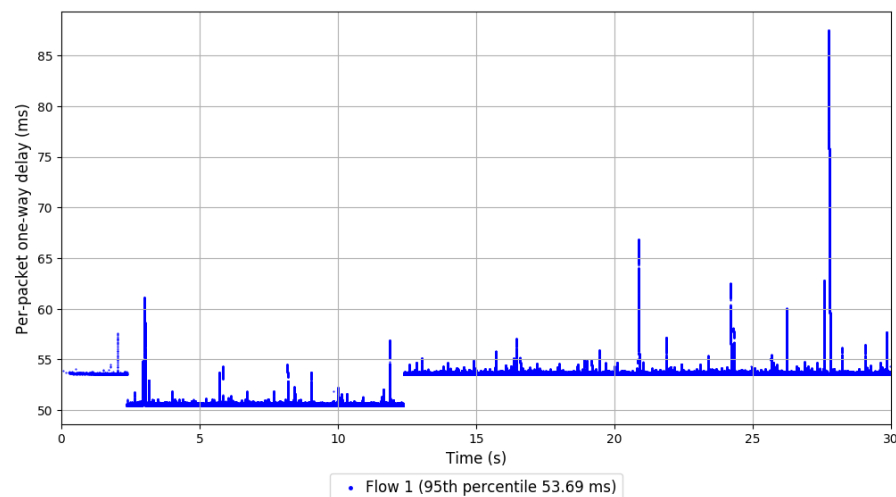
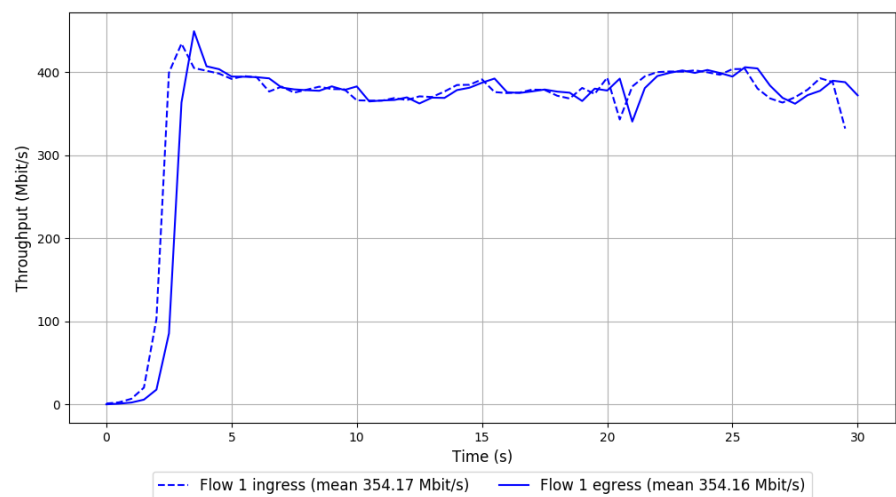


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-01 13:05:23
End at: 2018-07-01 13:05:53
Local clock offset: -0.017 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-01 16:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.16 Mbit/s
95th percentile per-packet one-way delay: 53.693 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 354.16 Mbit/s
95th percentile per-packet one-way delay: 53.693 ms
Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-01 13:26:53

End at: 2018-07-01 13:27:23

Local clock offset: 0.056 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-01 16:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.31 Mbit/s

95th percentile per-packet one-way delay: 53.877 ms

Loss rate: 0.01%

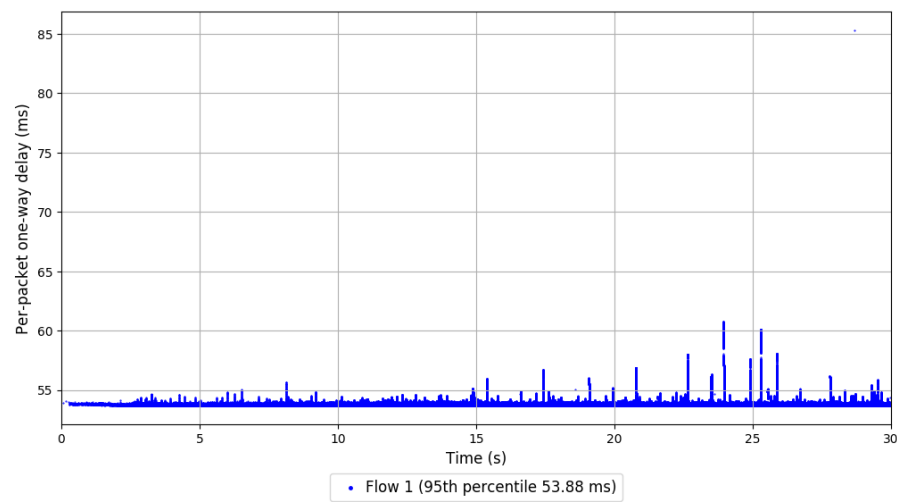
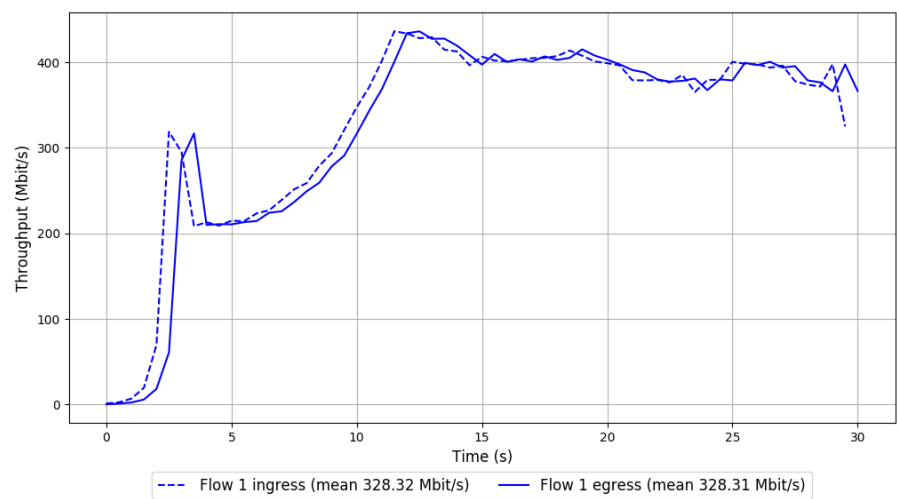
-- Flow 1:

Average throughput: 328.31 Mbit/s

95th percentile per-packet one-way delay: 53.877 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link

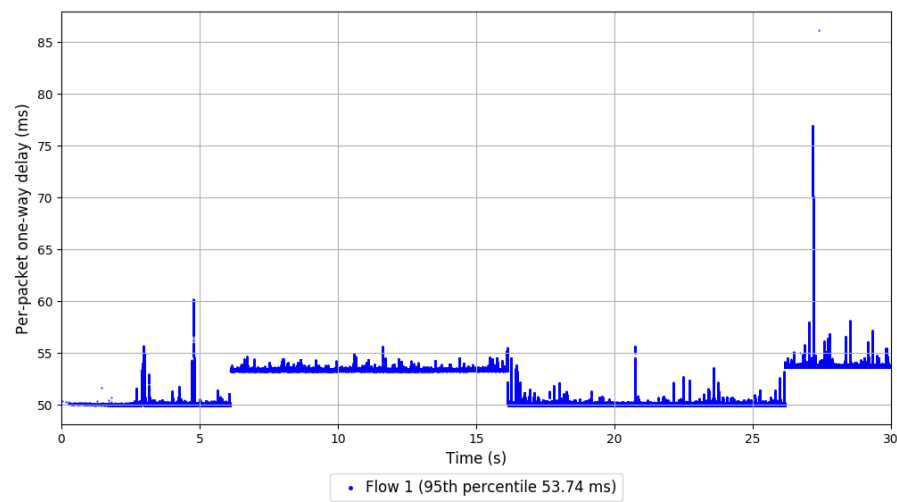
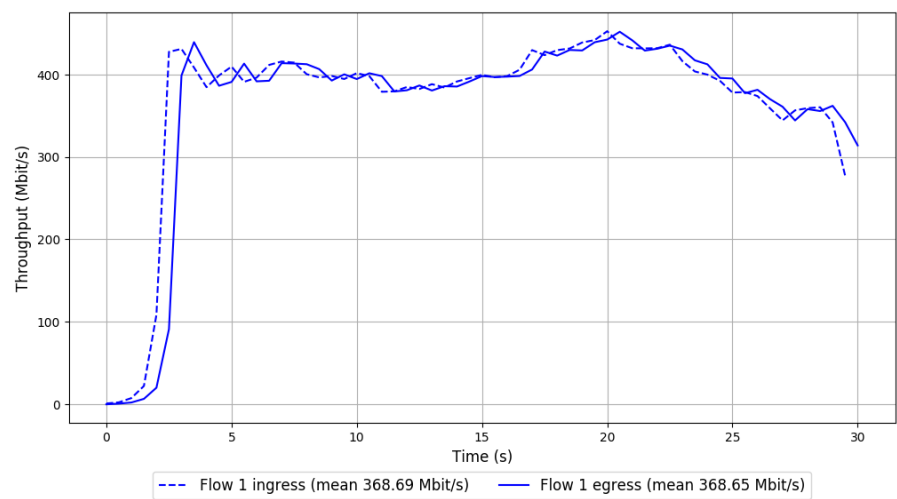


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-01 13:48:29
End at: 2018-07-01 13:48:59
Local clock offset: -0.013 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-01 16:20:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 368.65 Mbit/s
95th percentile per-packet one-way delay: 53.737 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 368.65 Mbit/s
95th percentile per-packet one-way delay: 53.737 ms
Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link

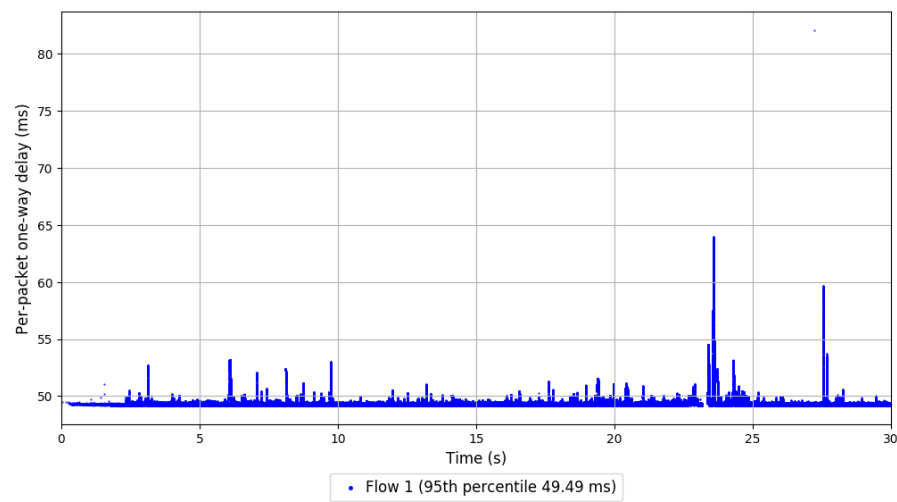
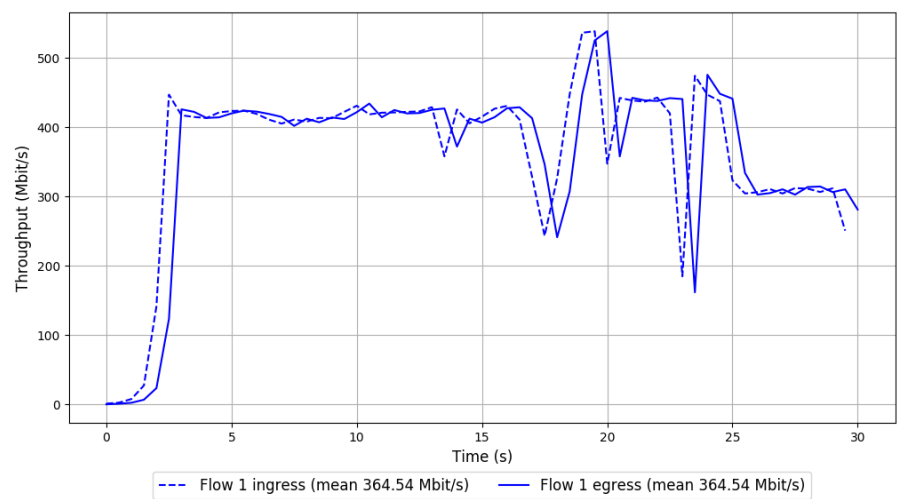


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-01 14:09:41
End at: 2018-07-01 14:10:11
Local clock offset: 0.149 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-07-01 16:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.54 Mbit/s
95th percentile per-packet one-way delay: 49.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 364.54 Mbit/s
95th percentile per-packet one-way delay: 49.491 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-01 14:30:58

End at: 2018-07-01 14:31:28

Local clock offset: -0.043 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-07-01 16:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.83 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 0.00%

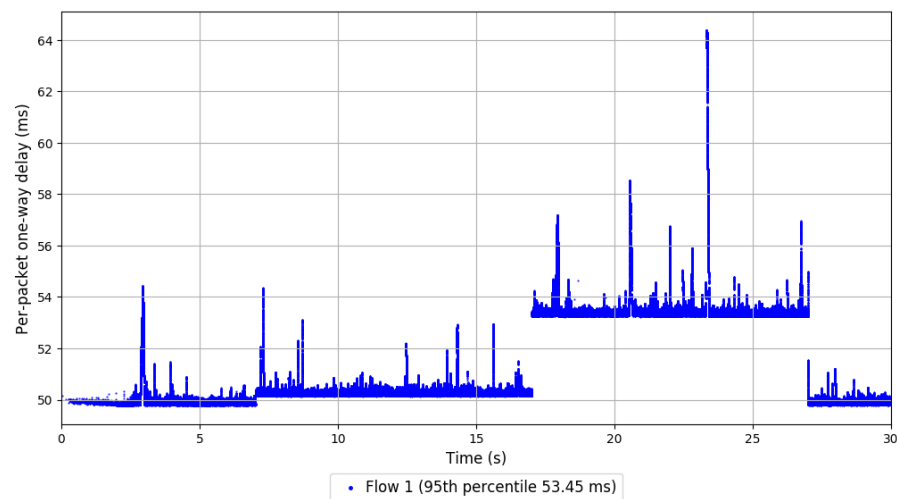
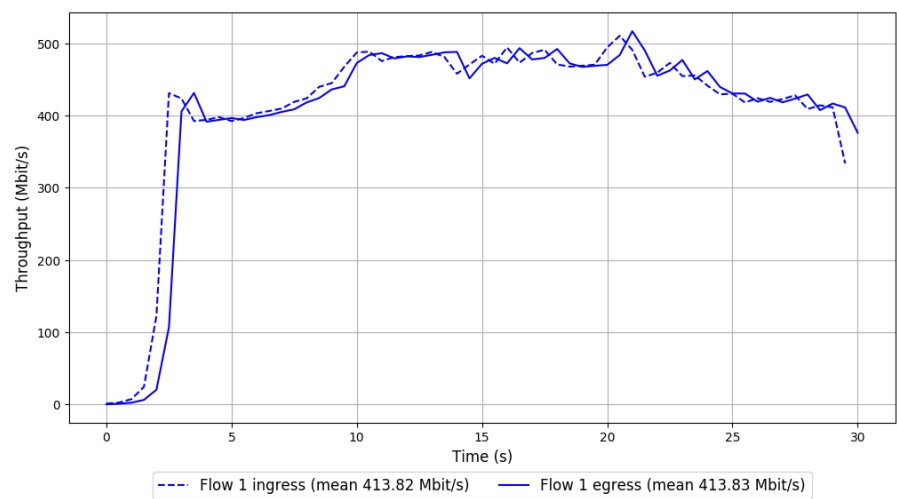
-- Flow 1:

Average throughput: 413.83 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-01 11:21:46

End at: 2018-07-01 11:22:16

Local clock offset: 0.252 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-07-01 16:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 54.632 ms

Loss rate: 0.00%

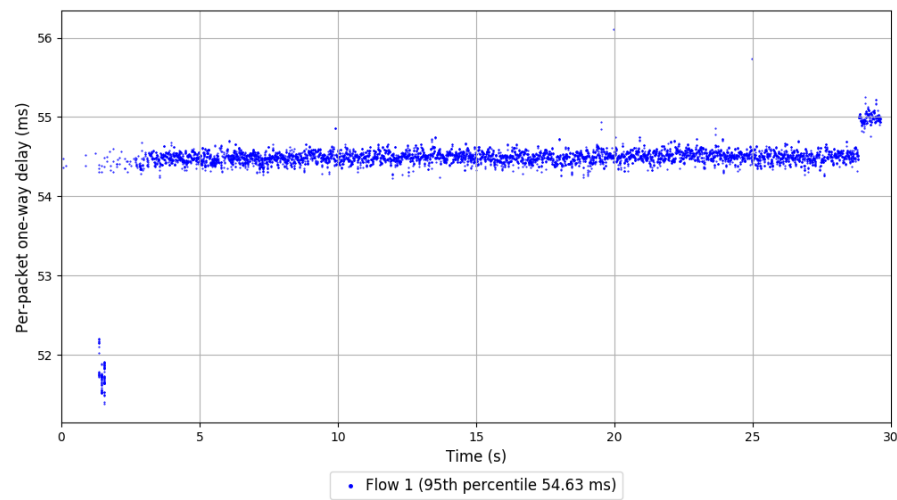
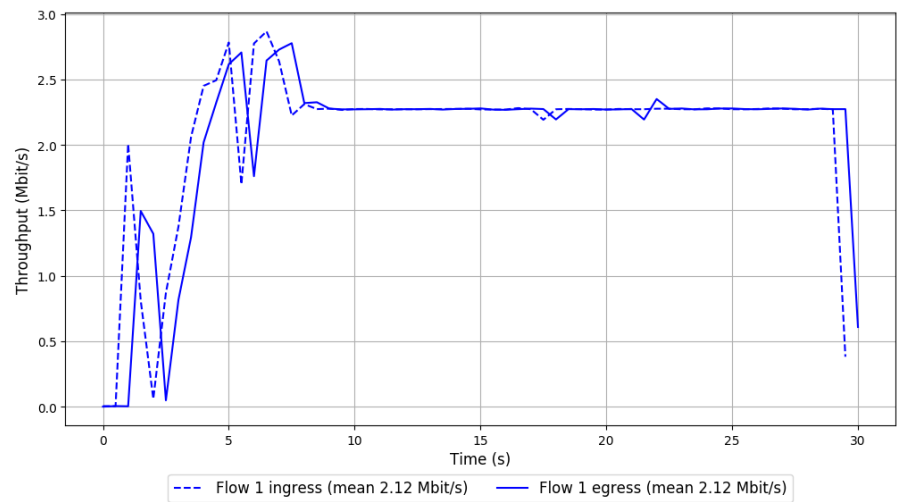
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 54.632 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-01 11:43:24

End at: 2018-07-01 11:43:54

Local clock offset: -0.101 ms

Remote clock offset: 1.226 ms

Below is generated by plot.py at 2018-07-01 16:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 55.249 ms

Loss rate: 0.00%

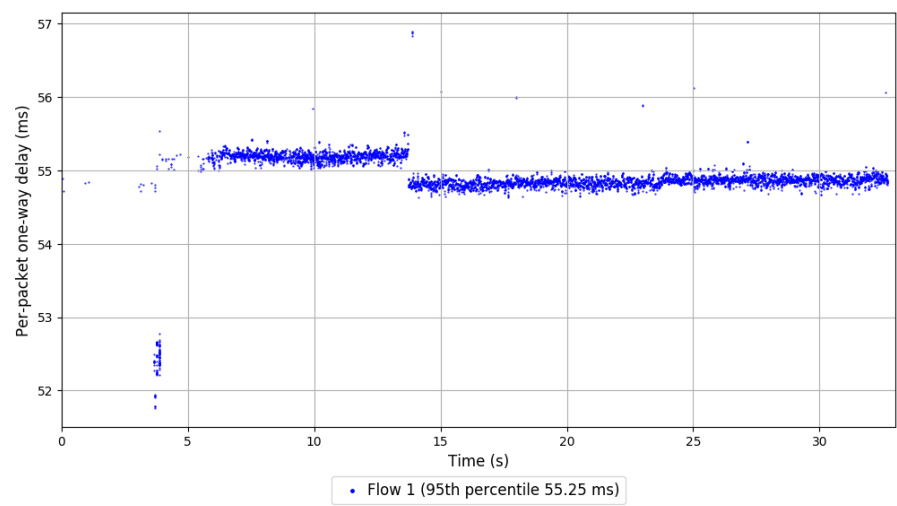
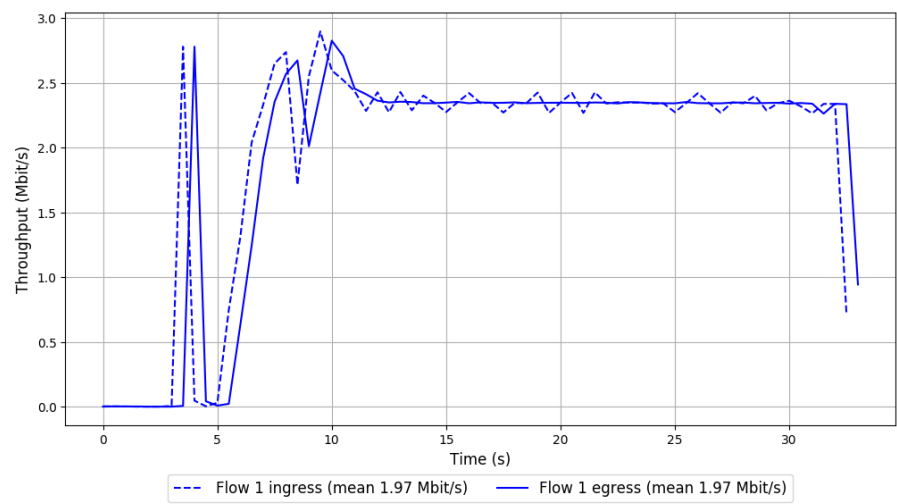
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 55.249 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-01 12:04:52

End at: 2018-07-01 12:05:22

Local clock offset: 0.039 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-07-01 16:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 54.899 ms

Loss rate: 0.00%

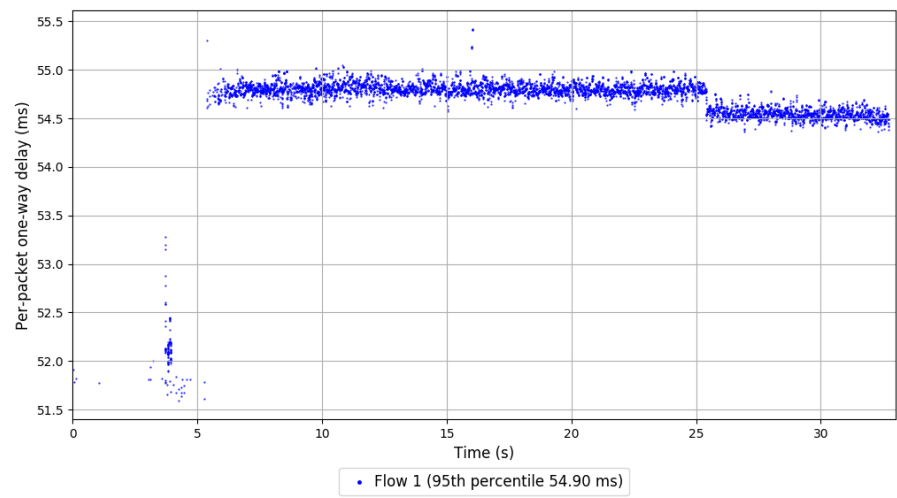
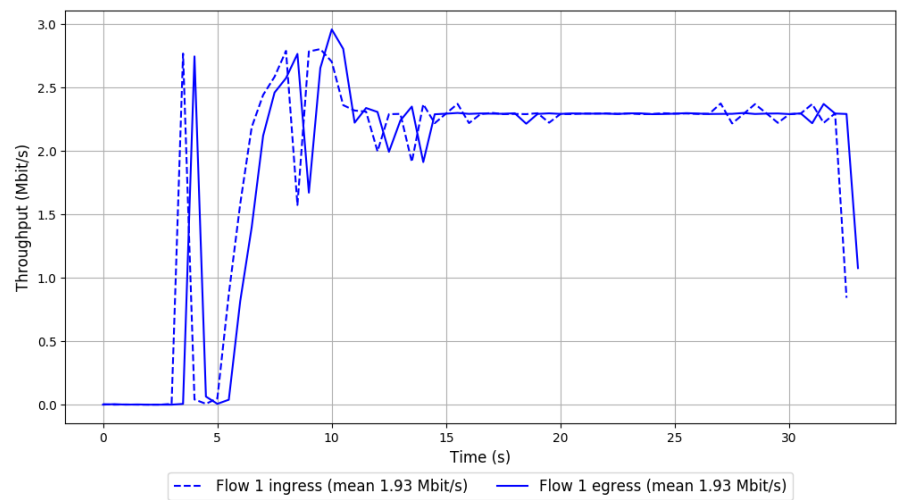
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 54.899 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

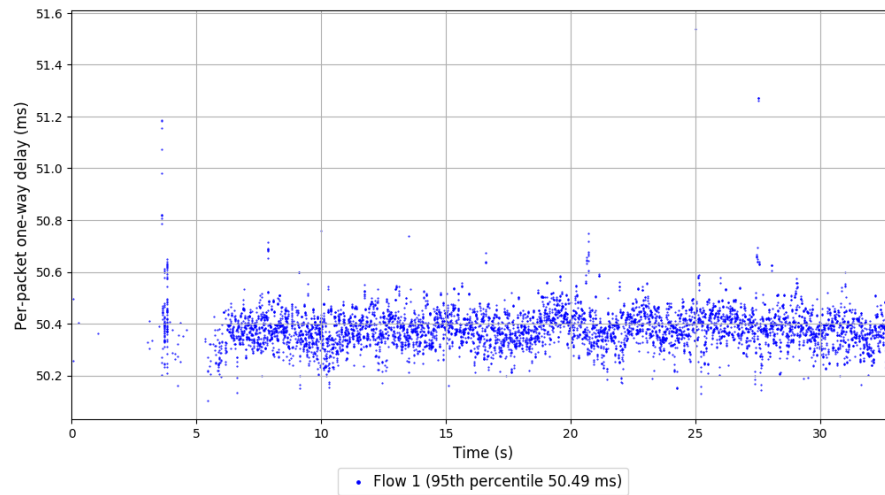
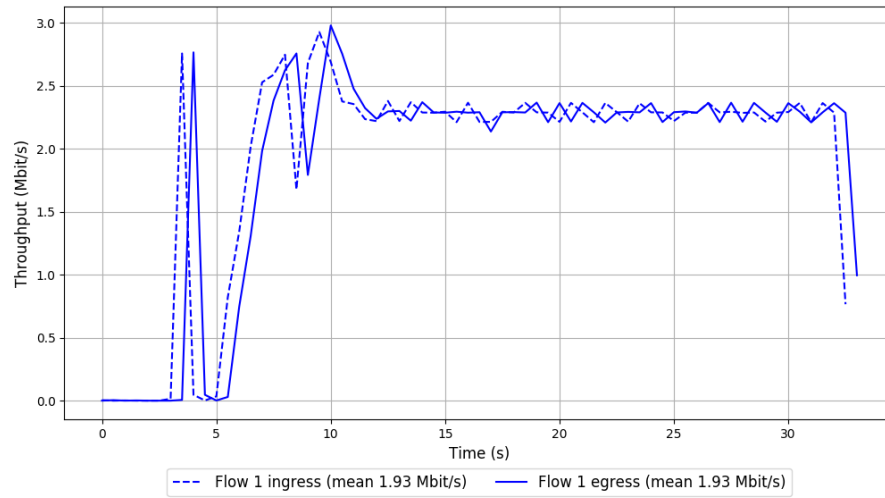


Run 4: Statistics of WebRTC media

Start at: 2018-07-01 12:26:44
End at: 2018-07-01 12:27:14
Local clock offset: 0.039 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-01 16:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.490 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

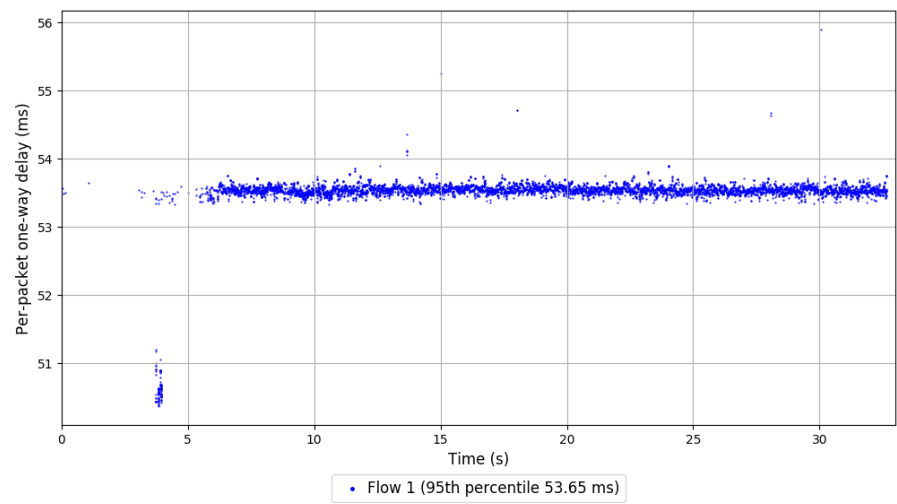
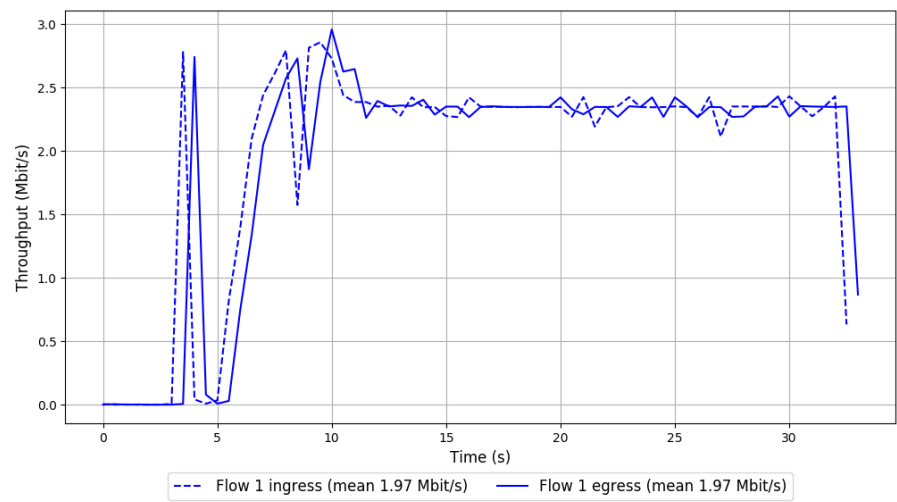


Run 5: Statistics of WebRTC media

Start at: 2018-07-01 12:48:07
End at: 2018-07-01 12:48:37
Local clock offset: 0.072 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-01 16:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 53.646 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 53.646 ms
Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link

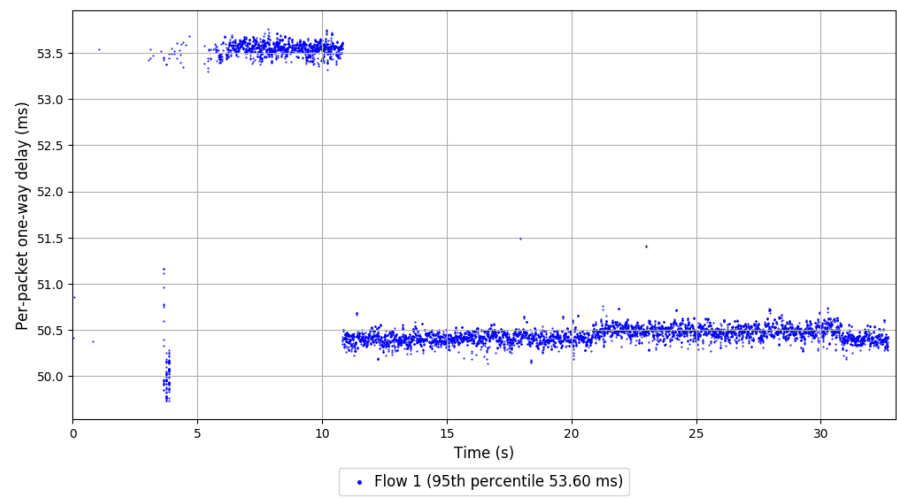
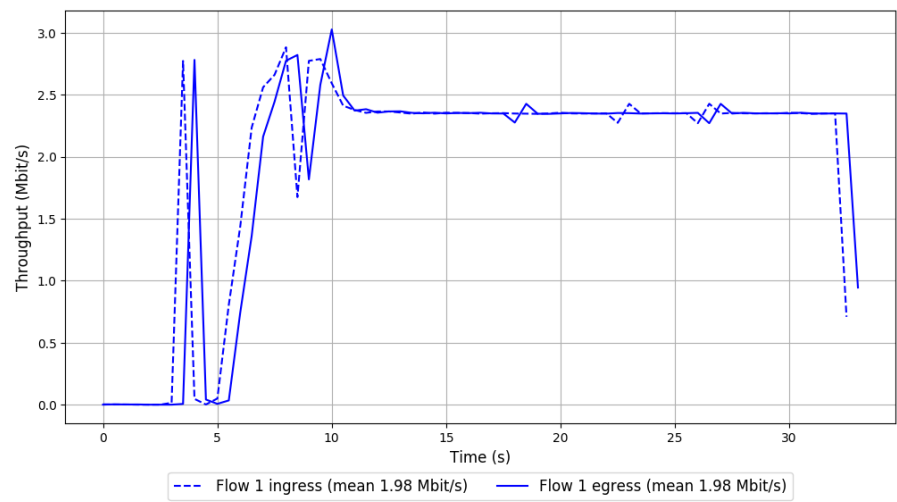


Run 6: Statistics of WebRTC media

Start at: 2018-07-01 13:09:47
End at: 2018-07-01 13:10:17
Local clock offset: 0.107 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-01 16:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 53.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 53.597 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

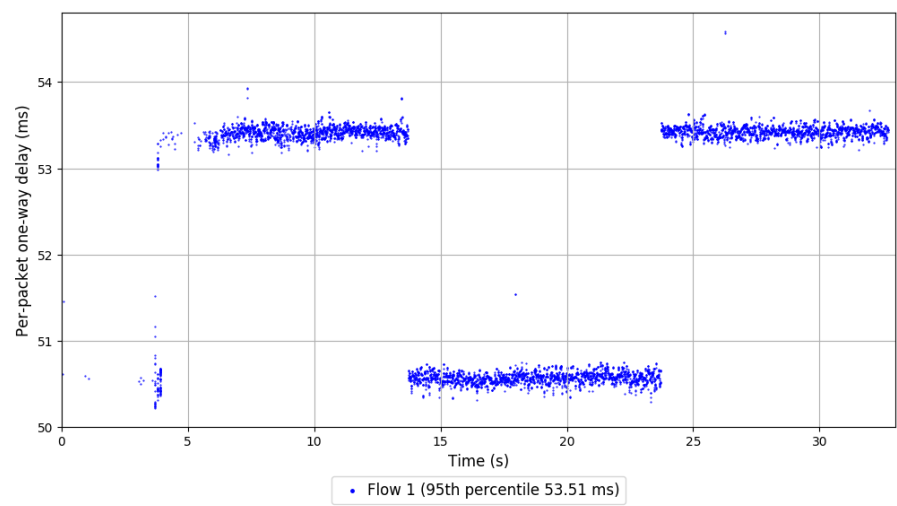
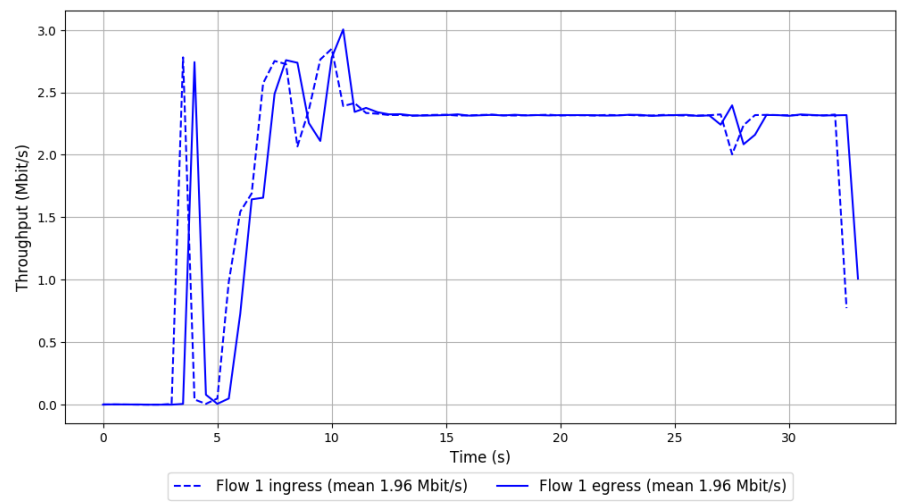


Run 7: Statistics of WebRTC media

Start at: 2018-07-01 13:31:14
End at: 2018-07-01 13:31:44
Local clock offset: 0.116 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-01 16:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-01 13:52:30

End at: 2018-07-01 13:53:00

Local clock offset: 0.076 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-01 16:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 53.373 ms

Loss rate: 0.00%

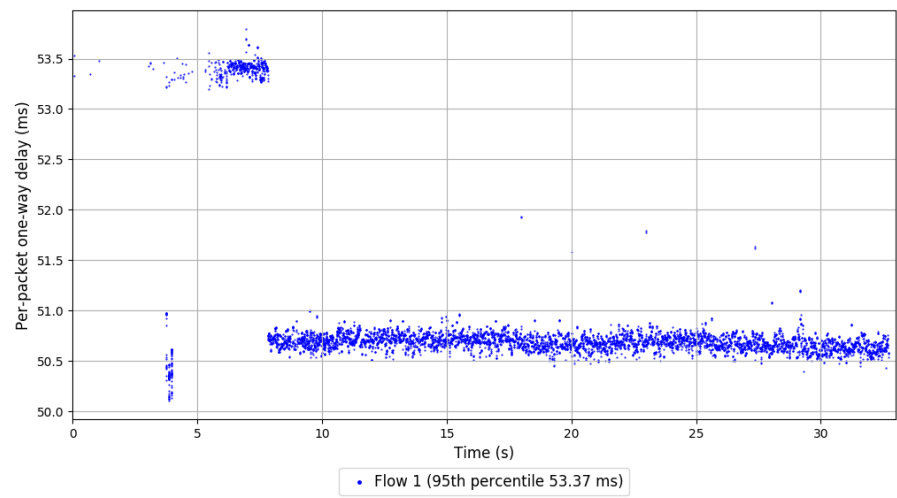
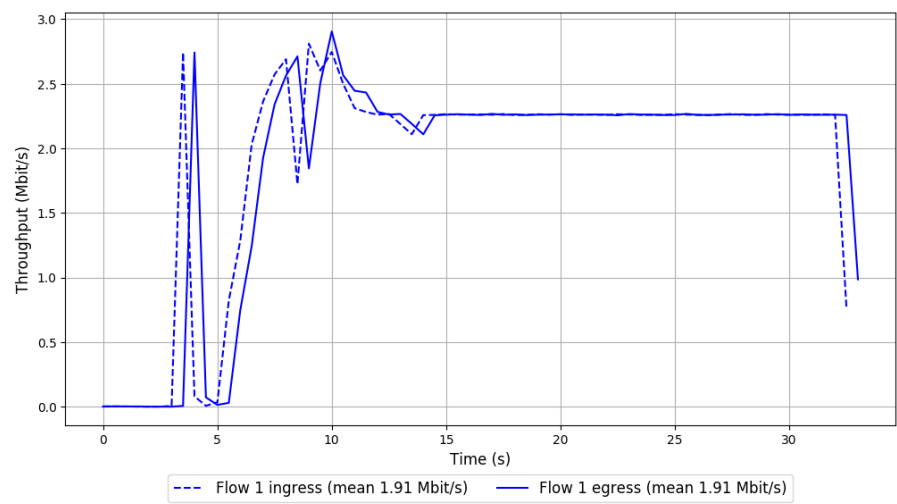
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 53.373 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

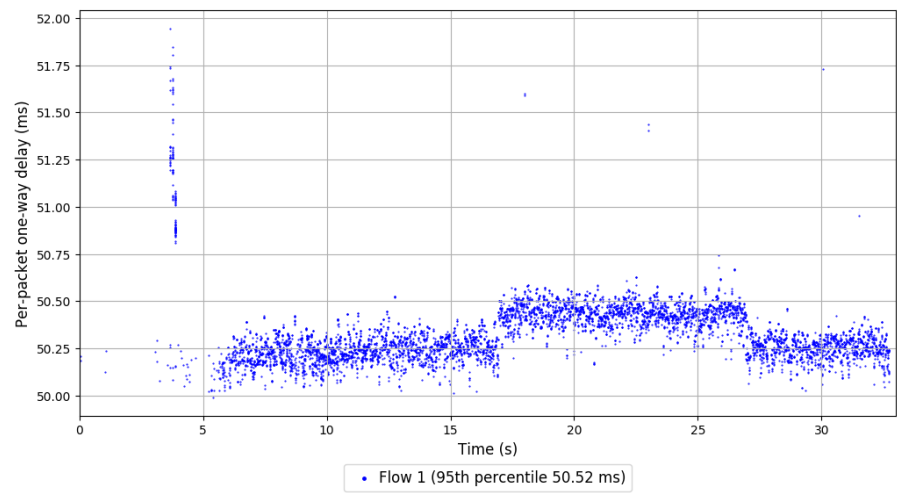
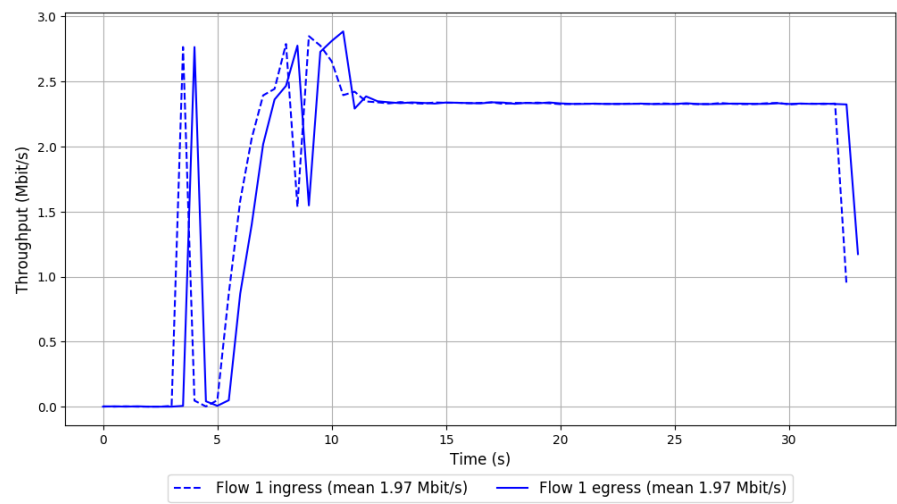


Run 9: Statistics of WebRTC media

Start at: 2018-07-01 14:13:41
End at: 2018-07-01 14:14:11
Local clock offset: -0.155 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-07-01 16:21:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.515 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-01 14:35:13

End at: 2018-07-01 14:35:43

Local clock offset: 0.034 ms

Remote clock offset: 1.425 ms

Below is generated by plot.py at 2018-07-01 16:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 55.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 55.451 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

