

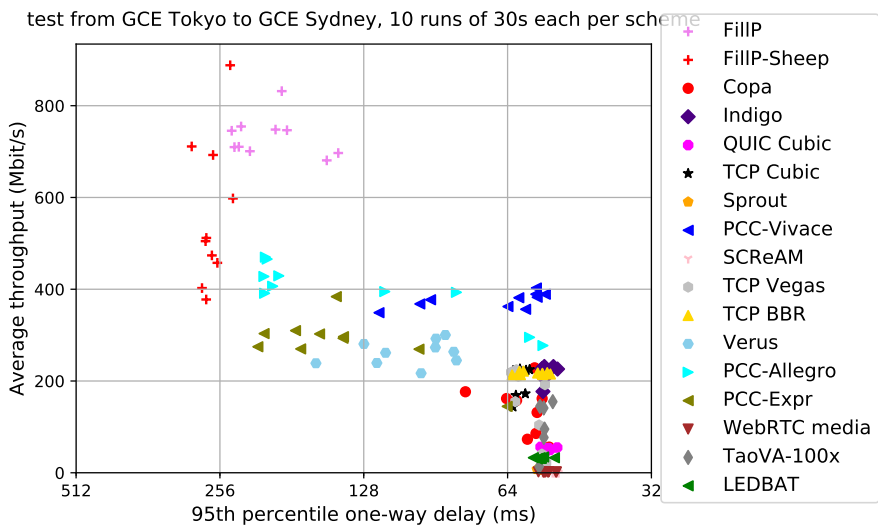
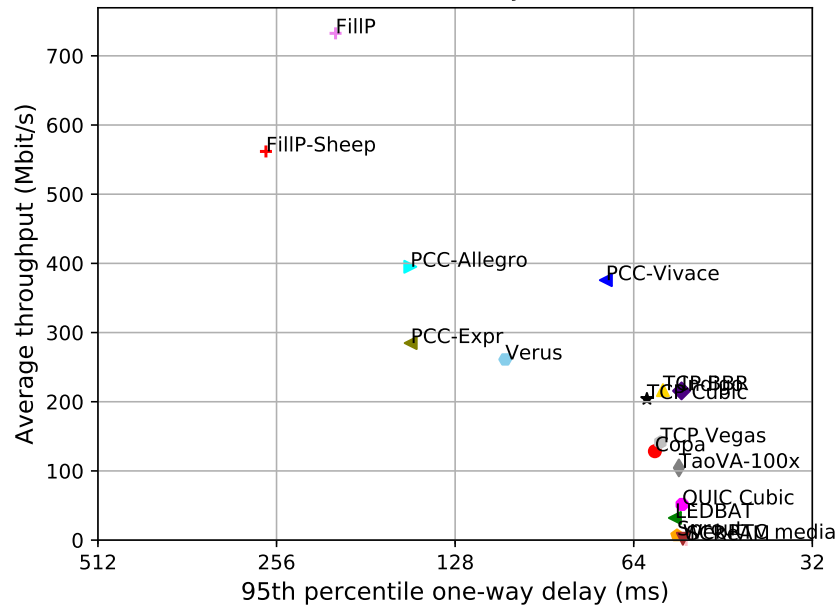
Pantheon Report

Generated at 2018-07-12 16:30:24 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

Git summary:

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

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	216.73	57.14	0.37
Copa	10	128.44	58.96	0.23
TCP Cubic	10	204.06	60.81	0.41
FillP	10	732.52	203.59	2.43
FillP-Sheep	10	561.79	266.75	6.25
Indigo	10	215.70	53.16	0.36
LEDBAT	10	32.02	54.55	0.64
PCC-Allegro	10	395.10	152.33	1.90
PCC-Expr	10	284.81	152.10	1.98
QUIC Cubic	8	51.59	53.04	0.59
SCReAM	10	0.21	52.22	0.33
Sprout	10	6.82	54.10	0.37
TaoVA-100x	6	104.38	53.71	0.12
TCP Vegas	10	141.40	57.71	0.32
Verus	10	261.14	105.38	1.01
PCC-Vivace	10	375.75	71.31	0.47
WebRTC media	10	1.91	52.89	0.41

Run 1: Statistics of TCP BBR

Start at: 2018-07-12 11:08:34

End at: 2018-07-12 11:09:04

Local clock offset: -0.132 ms

Remote clock offset: -1.495 ms

Below is generated by plot.py at 2018-07-12 14:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.51 Mbit/s

95th percentile per-packet one-way delay: 55.359 ms

Loss rate: 0.37%

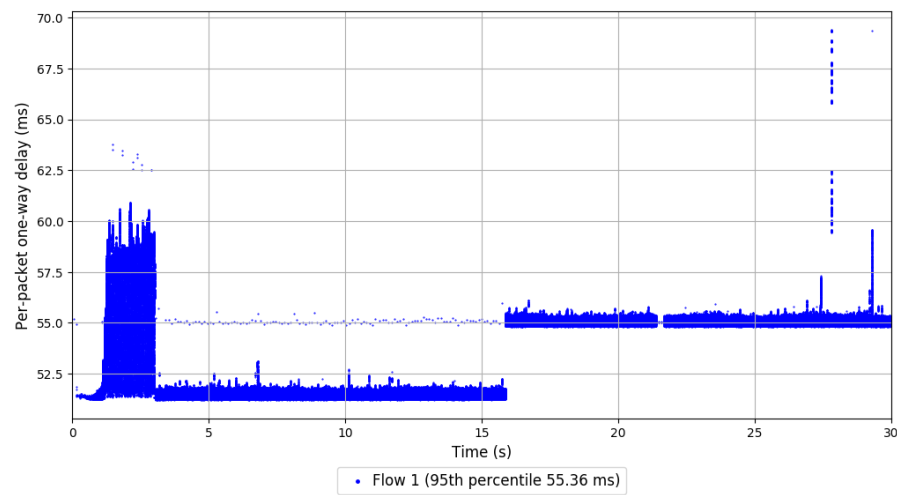
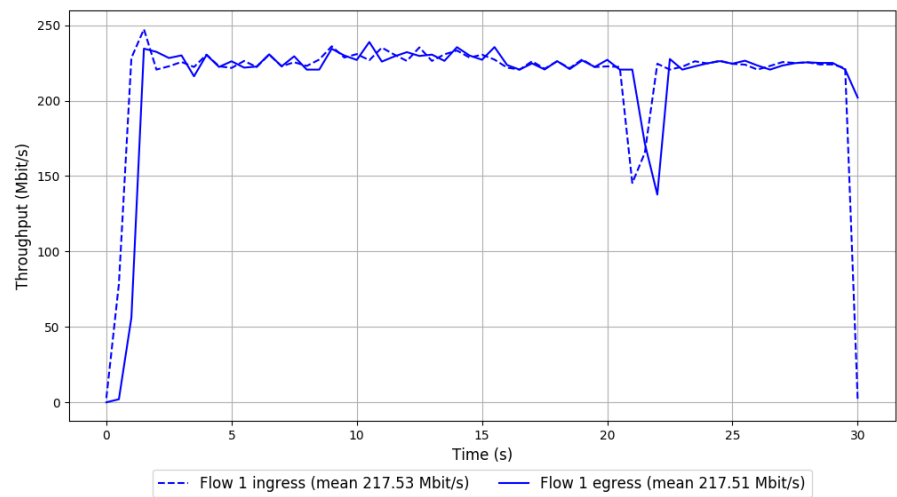
-- Flow 1:

Average throughput: 217.51 Mbit/s

95th percentile per-packet one-way delay: 55.359 ms

Loss rate: 0.37%

Run 1: Report of TCP BBR — Data Link

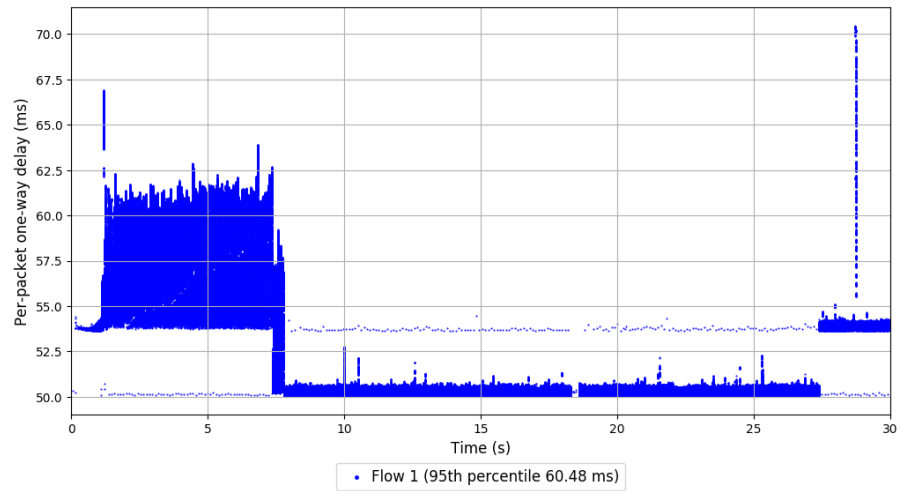
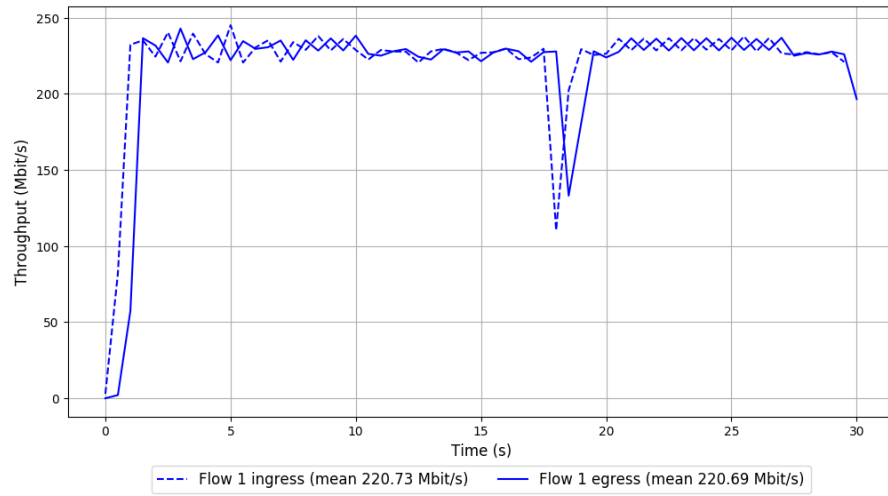


Run 2: Statistics of TCP BBR

Start at: 2018-07-12 11:30:22
End at: 2018-07-12 11:30:52
Local clock offset: -0.092 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-12 14:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.69 Mbit/s
95th percentile per-packet one-way delay: 60.482 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 220.69 Mbit/s
95th percentile per-packet one-way delay: 60.482 ms
Loss rate: 0.37%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-12 11:52:15

End at: 2018-07-12 11:52:45

Local clock offset: -0.064 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-12 14:56:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.45 Mbit/s

95th percentile per-packet one-way delay: 60.379 ms

Loss rate: 0.36%

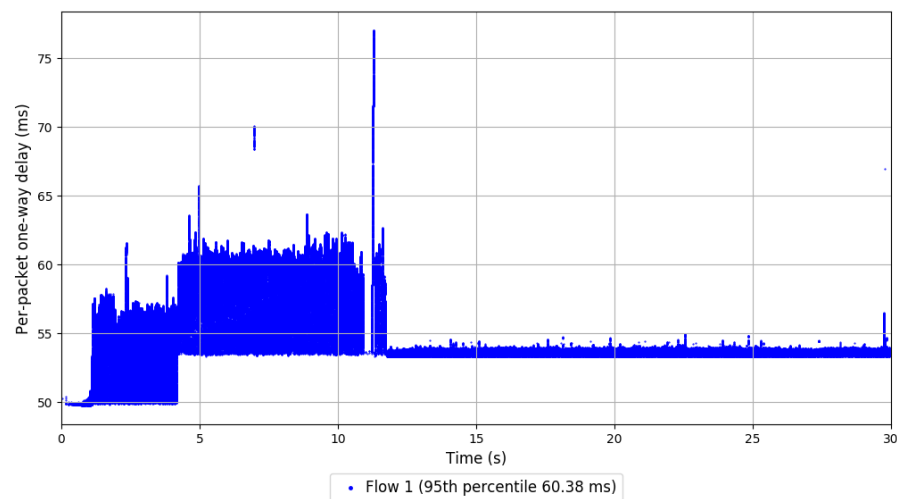
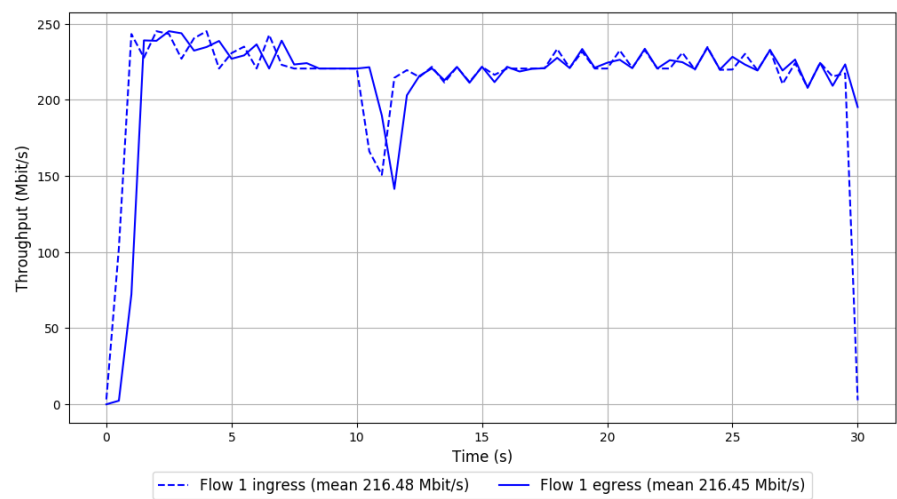
-- Flow 1:

Average throughput: 216.45 Mbit/s

95th percentile per-packet one-way delay: 60.379 ms

Loss rate: 0.36%

Run 3: Report of TCP BBR — Data Link

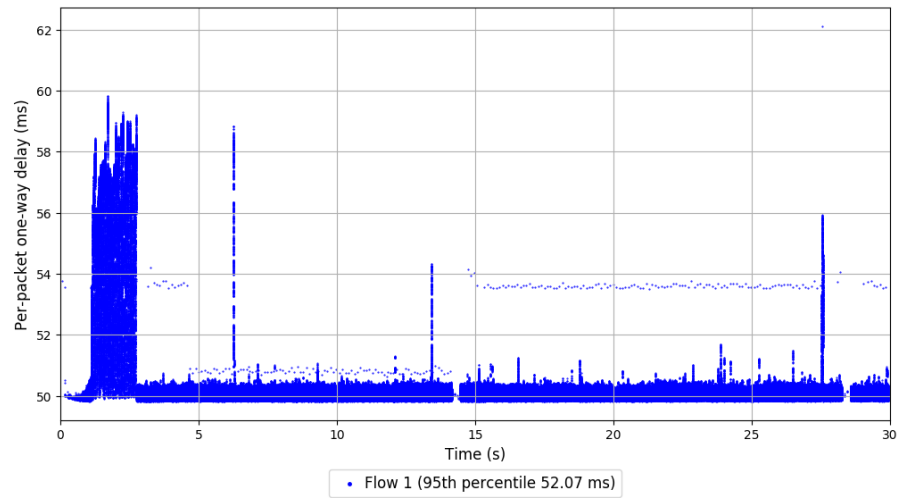
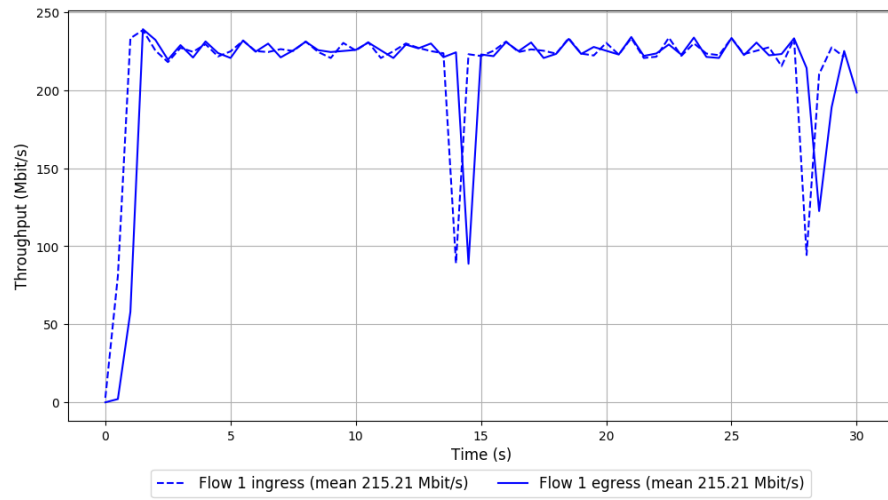


Run 4: Statistics of TCP BBR

Start at: 2018-07-12 12:14:15
End at: 2018-07-12 12:14:45
Local clock offset: -0.228 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-12 14:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.21 Mbit/s
95th percentile per-packet one-way delay: 52.068 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 215.21 Mbit/s
95th percentile per-packet one-way delay: 52.068 ms
Loss rate: 0.36%

Run 4: Report of TCP BBR — Data Link

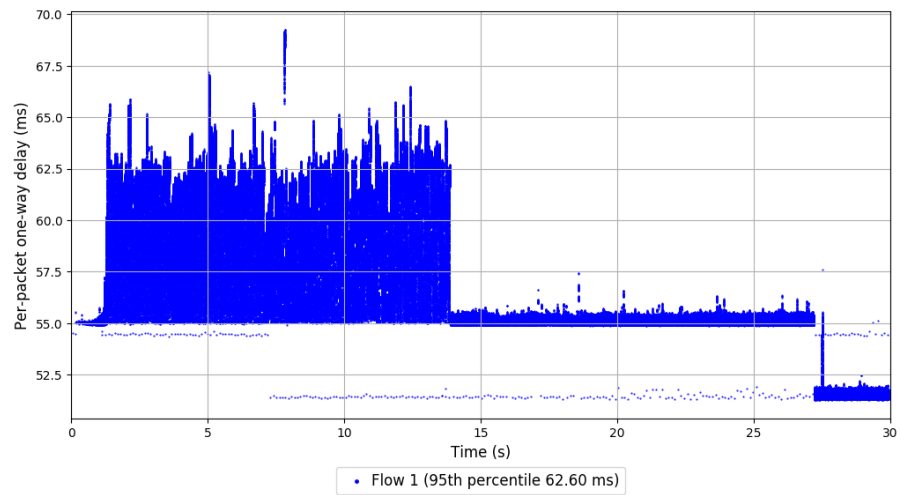
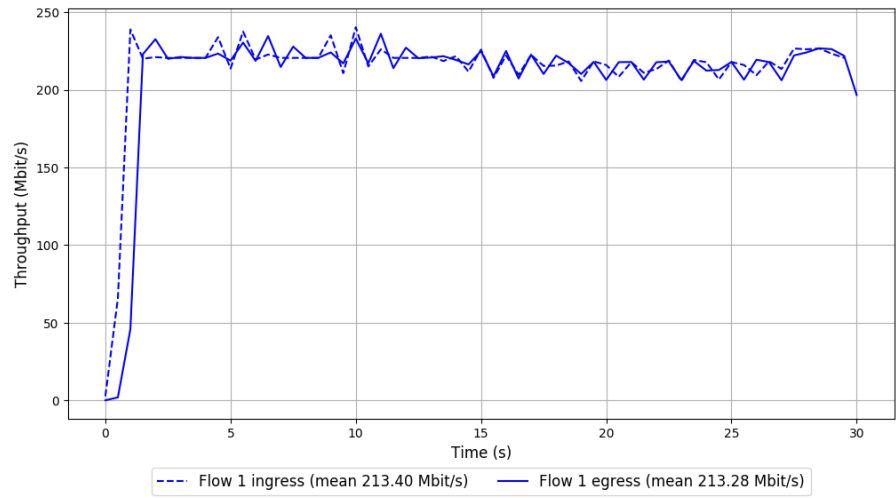


Run 5: Statistics of TCP BBR

Start at: 2018-07-12 12:36:12
End at: 2018-07-12 12:36:42
Local clock offset: 0.032 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2018-07-12 14:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.28 Mbit/s
95th percentile per-packet one-way delay: 62.600 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 213.28 Mbit/s
95th percentile per-packet one-way delay: 62.600 ms
Loss rate: 0.38%

Run 5: Report of TCP BBR — Data Link

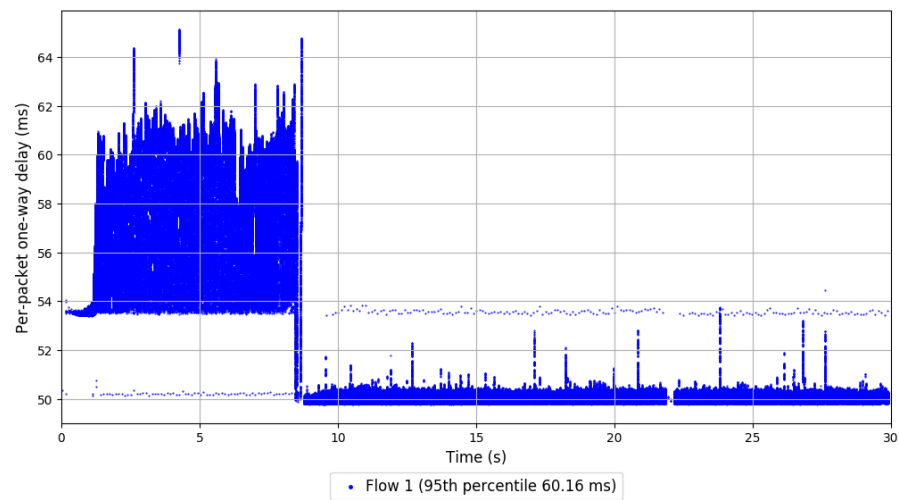
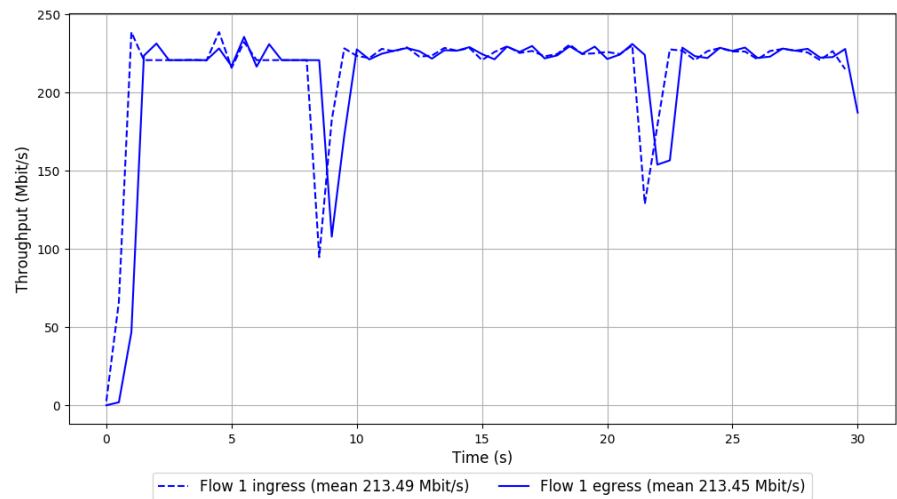


Run 6: Statistics of TCP BBR

Start at: 2018-07-12 12:58:01
End at: 2018-07-12 12:58:31
Local clock offset: -0.084 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-12 14:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.45 Mbit/s
95th percentile per-packet one-way delay: 60.162 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 213.45 Mbit/s
95th percentile per-packet one-way delay: 60.162 ms
Loss rate: 0.38%

Run 6: Report of TCP BBR — Data Link

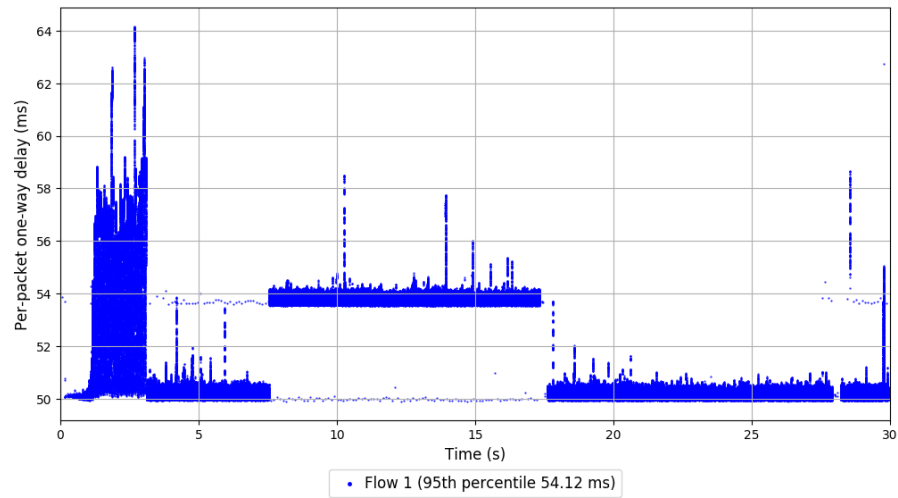
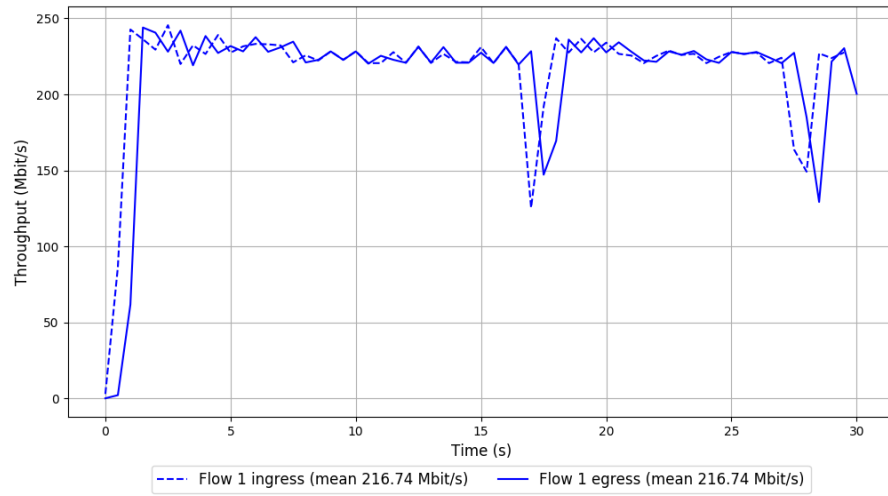


Run 7: Statistics of TCP BBR

Start at: 2018-07-12 13:19:52
End at: 2018-07-12 13:20:22
Local clock offset: 0.026 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-12 14:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 54.117 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 54.117 ms
Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-12 13:41:34

End at: 2018-07-12 13:42:04

Local clock offset: -0.148 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-12 14:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.59 Mbit/s

95th percentile per-packet one-way delay: 59.305 ms

Loss rate: 0.36%

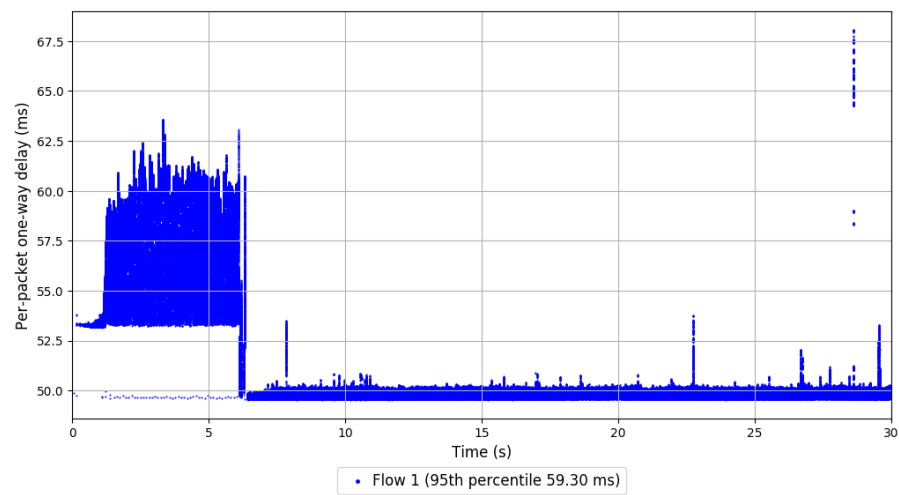
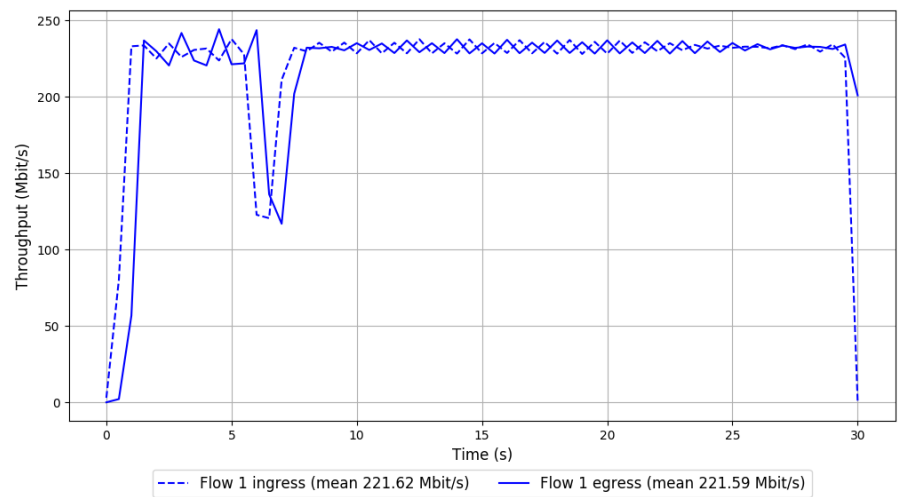
-- Flow 1:

Average throughput: 221.59 Mbit/s

95th percentile per-packet one-way delay: 59.305 ms

Loss rate: 0.36%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-12 14:03:25

End at: 2018-07-12 14:03:55

Local clock offset: -0.047 ms

Remote clock offset: 1.216 ms

Below is generated by plot.py at 2018-07-12 14:59:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.15 Mbit/s

95th percentile per-packet one-way delay: 52.866 ms

Loss rate: 0.36%

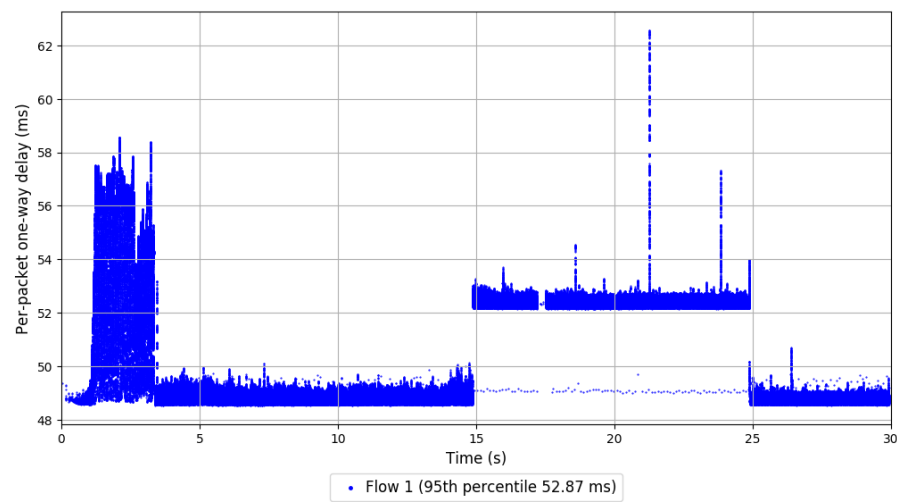
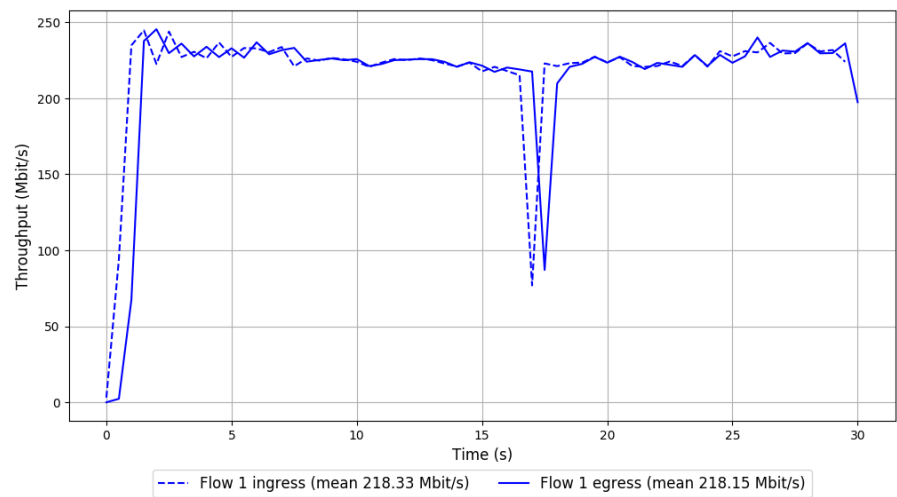
-- Flow 1:

Average throughput: 218.15 Mbit/s

95th percentile per-packet one-way delay: 52.866 ms

Loss rate: 0.36%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-12 14:25:02

End at: 2018-07-12 14:25:32

Local clock offset: 0.011 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-12 14:59:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.20 Mbit/s

95th percentile per-packet one-way delay: 54.065 ms

Loss rate: 0.38%

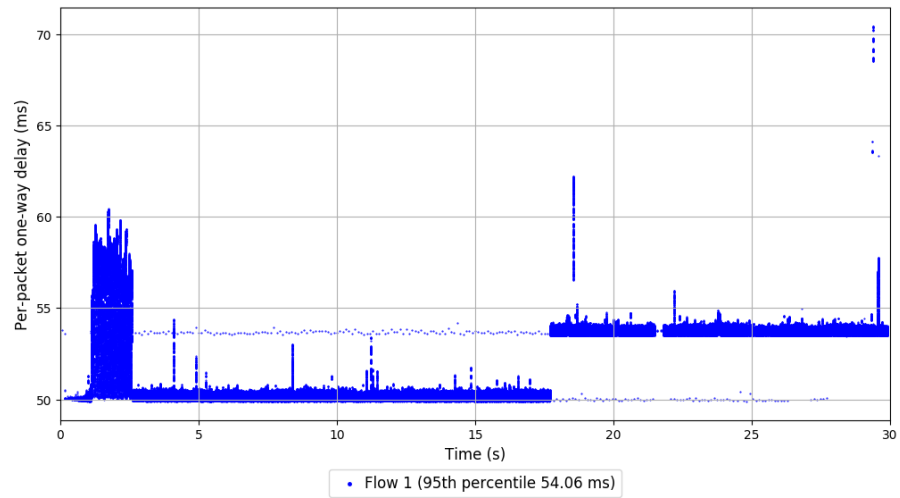
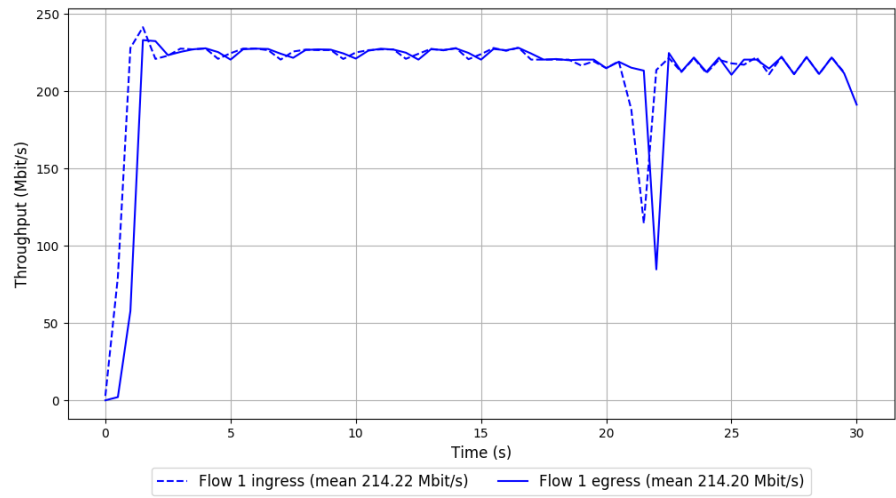
-- Flow 1:

Average throughput: 214.20 Mbit/s

95th percentile per-packet one-way delay: 54.065 ms

Loss rate: 0.38%

Run 10: Report of TCP BBR — Data Link

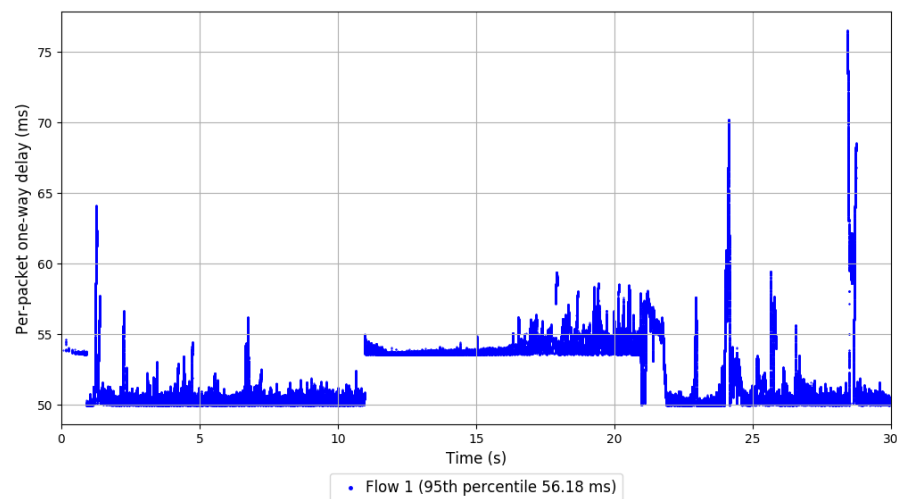
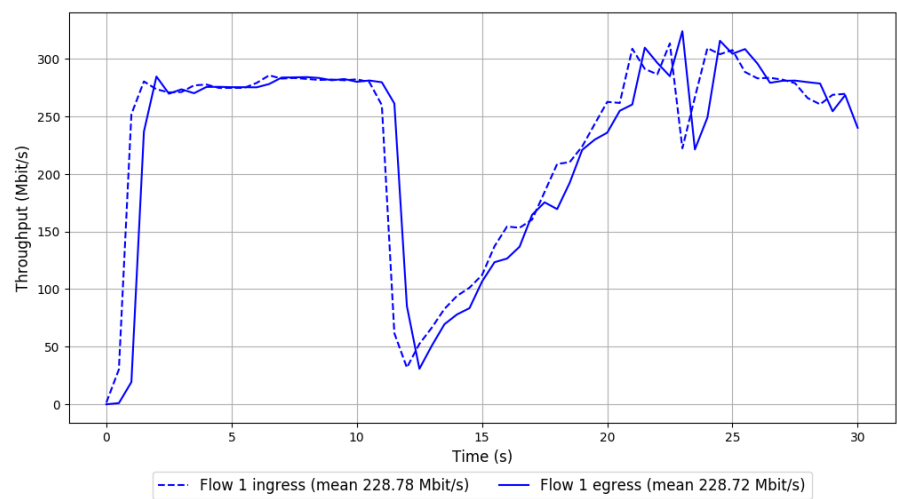


Run 1: Statistics of Copa

Start at: 2018-07-12 11:17:29
End at: 2018-07-12 11:17:59
Local clock offset: -0.086 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-12 15:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.72 Mbit/s
95th percentile per-packet one-way delay: 56.183 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 228.72 Mbit/s
95th percentile per-packet one-way delay: 56.183 ms
Loss rate: 0.39%

Run 1: Report of Copa — Data Link

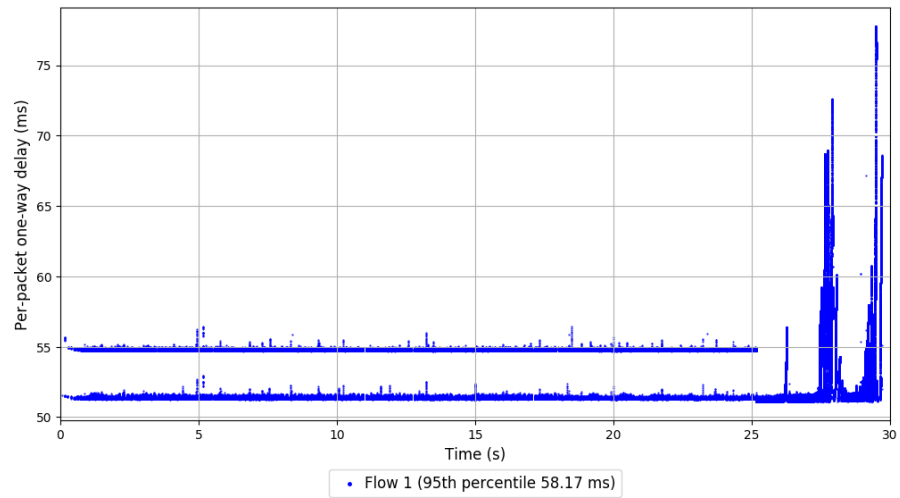
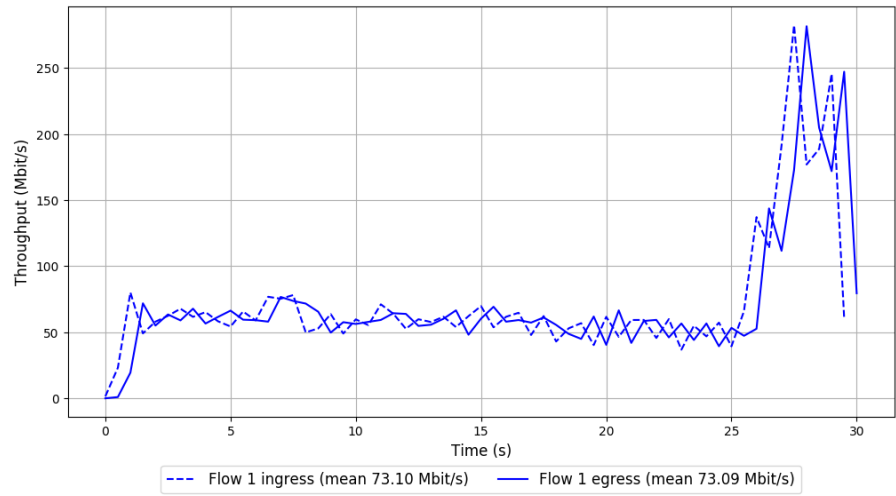


Run 2: Statistics of Copa

Start at: 2018-07-12 11:39:34
End at: 2018-07-12 11:40:04
Local clock offset: -0.262 ms
Remote clock offset: -1.532 ms

Below is generated by plot.py at 2018-07-12 15:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 58.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 58.167 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

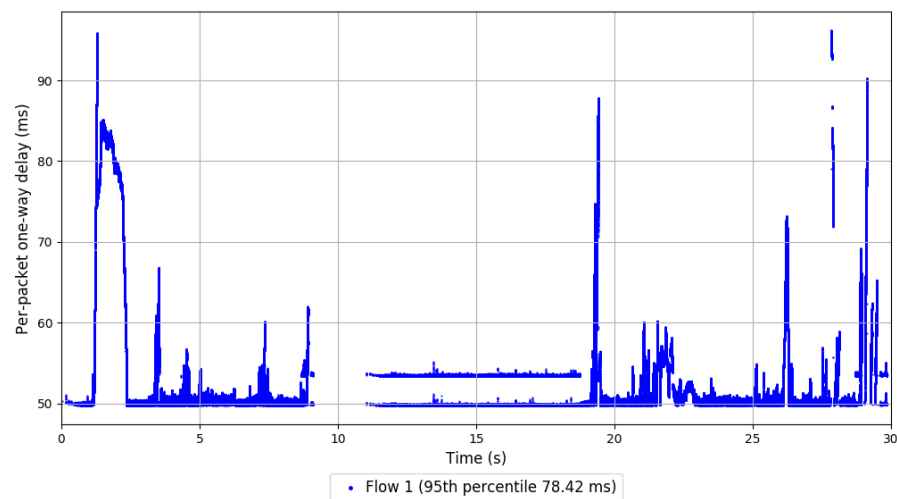
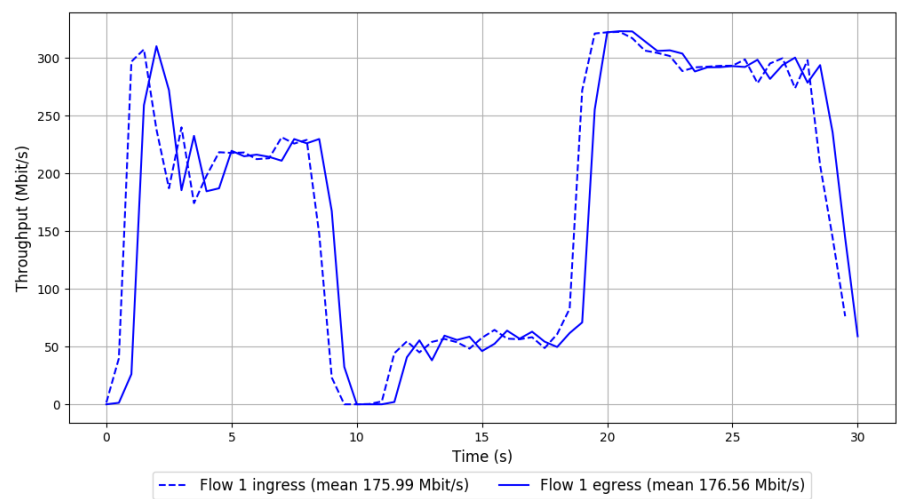


Run 3: Statistics of Copa

Start at: 2018-07-12 12:01:31
End at: 2018-07-12 12:02:01
Local clock offset: -0.149 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-12 15:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 78.418 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 78.418 ms
Loss rate: 0.16%

Run 3: Report of Copa — Data Link

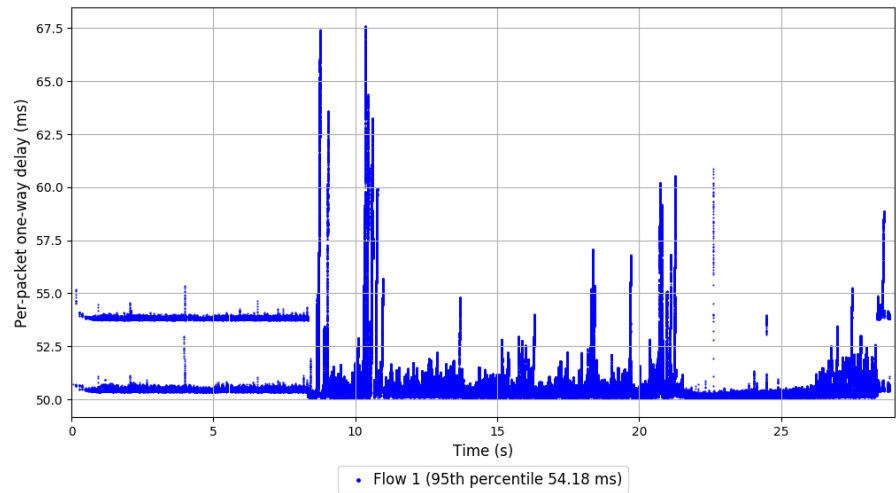
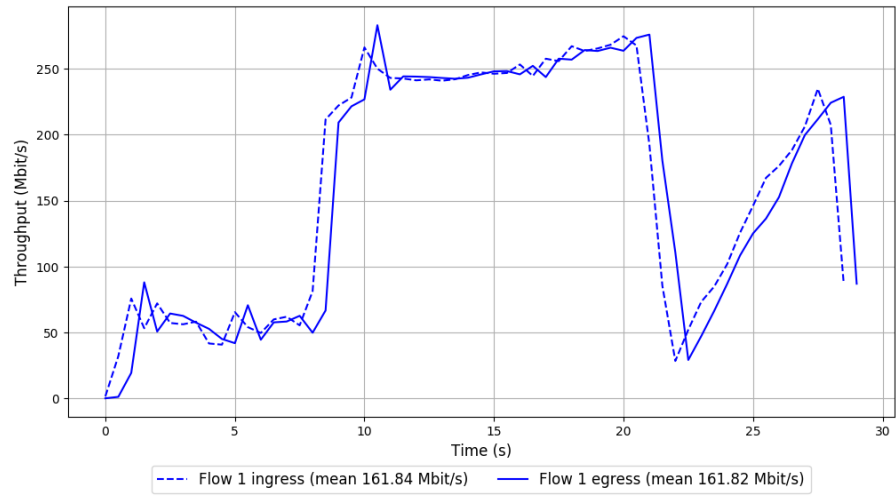


Run 4: Statistics of Copa

Start at: 2018-07-12 12:23:31
End at: 2018-07-12 12:24:01
Local clock offset: 0.163 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-12 15:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.82 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.82 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-12 12:45:22

End at: 2018-07-12 12:45:52

Local clock offset: -0.081 ms

Remote clock offset: 1.008 ms

Below is generated by plot.py at 2018-07-12 15:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.72 Mbit/s

95th percentile per-packet one-way delay: 61.281 ms

Loss rate: 0.13%

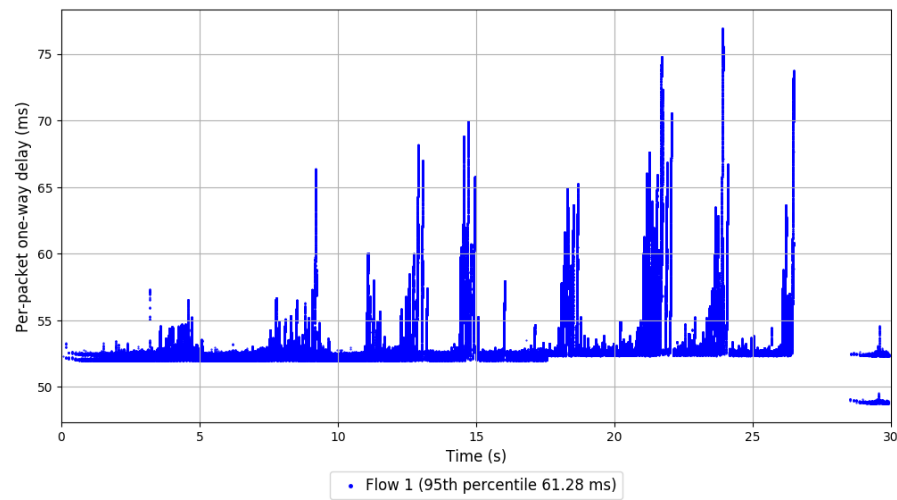
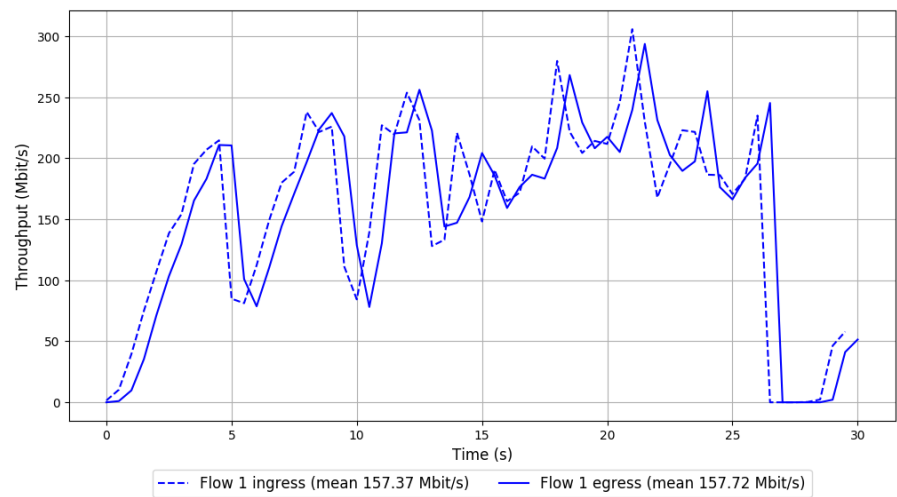
-- Flow 1:

Average throughput: 157.72 Mbit/s

95th percentile per-packet one-way delay: 61.281 ms

Loss rate: 0.13%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-12 13:07:21

End at: 2018-07-12 13:07:51

Local clock offset: -0.134 ms

Remote clock offset: 1.076 ms

Below is generated by plot.py at 2018-07-12 15:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 52.386 ms

Loss rate: 0.38%

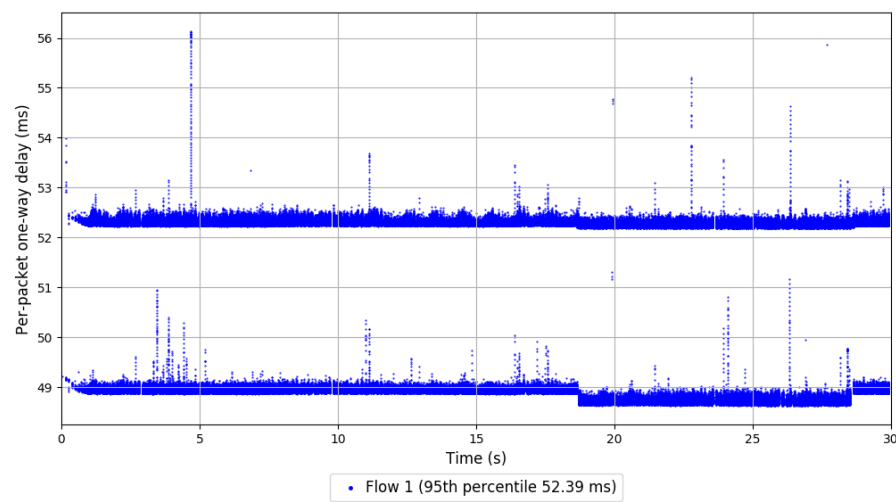
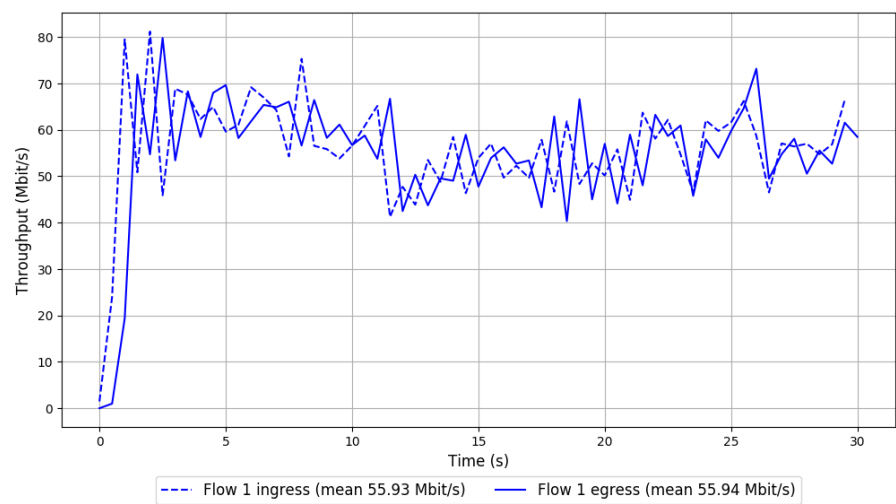
-- Flow 1:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 52.386 ms

Loss rate: 0.38%

Run 6: Report of Copa — Data Link

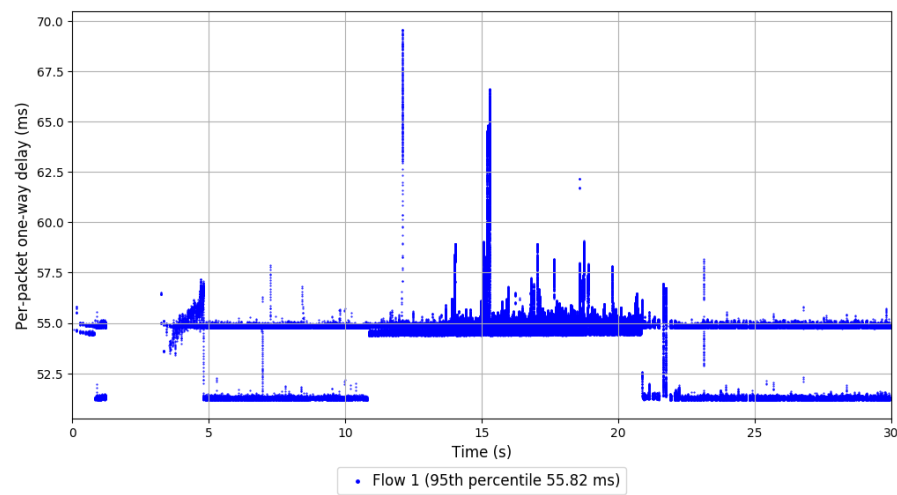
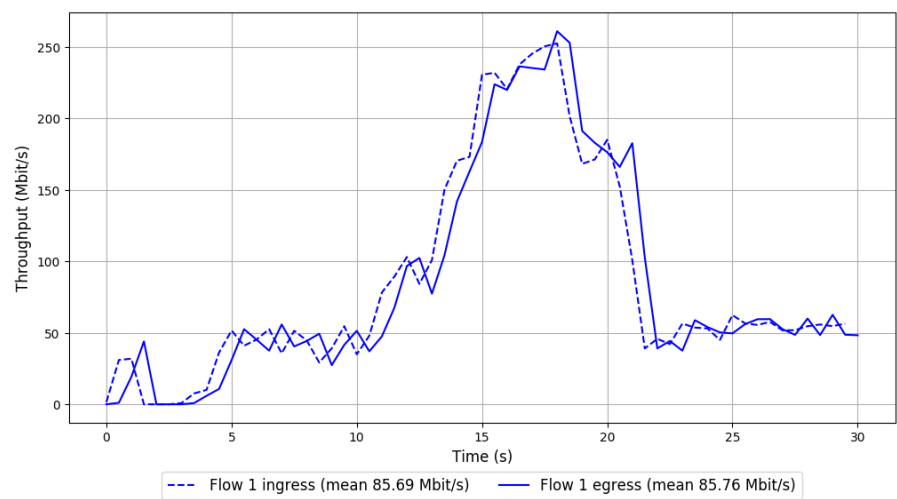


Run 7: Statistics of Copa

Start at: 2018-07-12 13:28:59
End at: 2018-07-12 13:29:29
Local clock offset: -0.014 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-07-12 15:03:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.76 Mbit/s
95th percentile per-packet one-way delay: 55.824 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 85.76 Mbit/s
95th percentile per-packet one-way delay: 55.824 ms
Loss rate: 0.29%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-12 13:50:37

End at: 2018-07-12 13:51:07

Local clock offset: 0.06 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-07-12 15:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.46 Mbit/s

95th percentile per-packet one-way delay: 55.519 ms

Loss rate: 0.35%

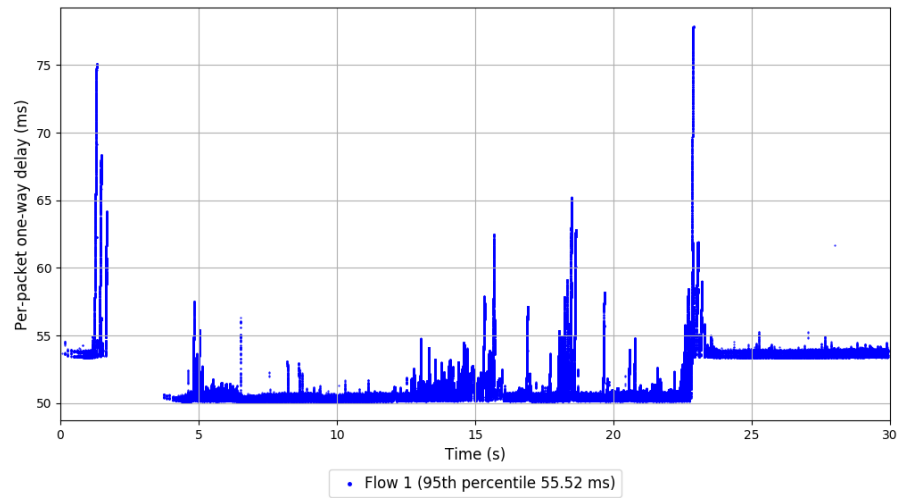
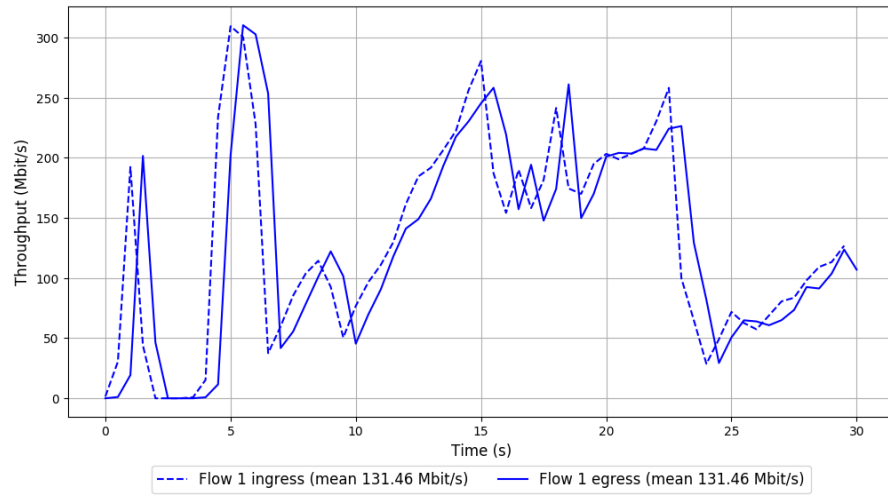
-- Flow 1:

Average throughput: 131.46 Mbit/s

95th percentile per-packet one-way delay: 55.519 ms

Loss rate: 0.35%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-12 14:12:28

End at: 2018-07-12 14:12:58

Local clock offset: -0.114 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-12 15:03:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 53.282 ms

Loss rate: 0.38%

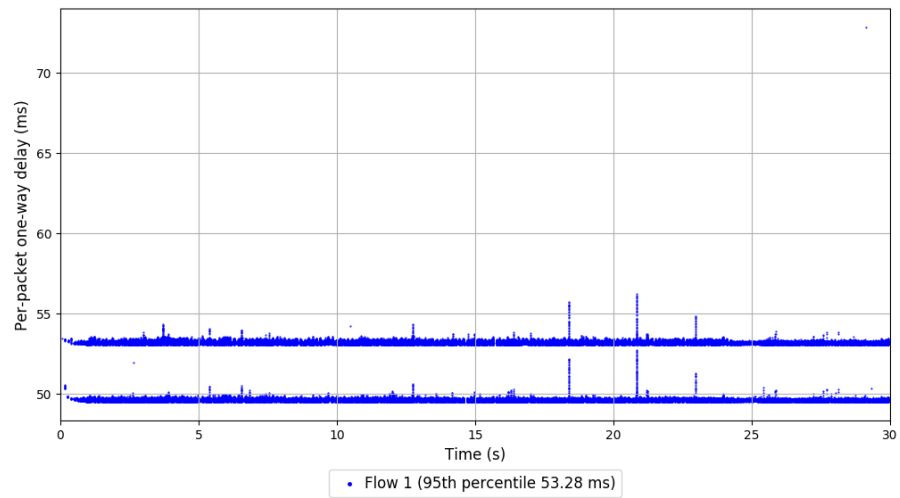
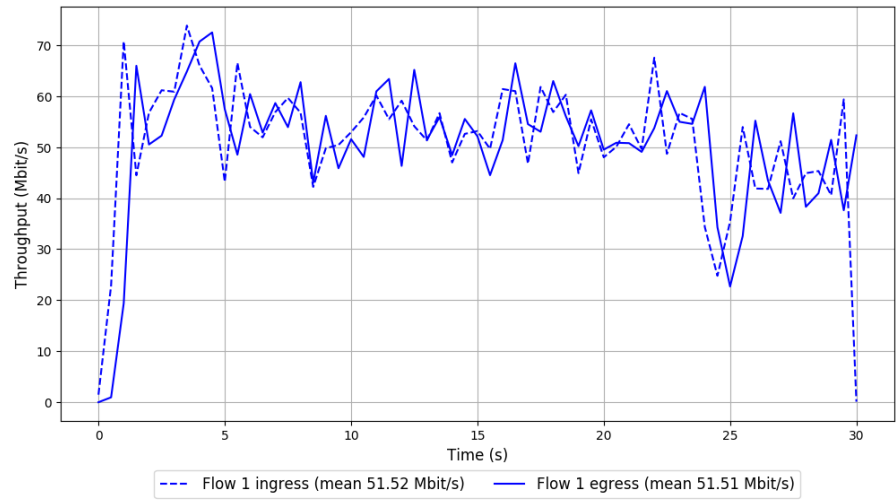
-- Flow 1:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 53.282 ms

Loss rate: 0.38%

Run 9: Report of Copa — Data Link

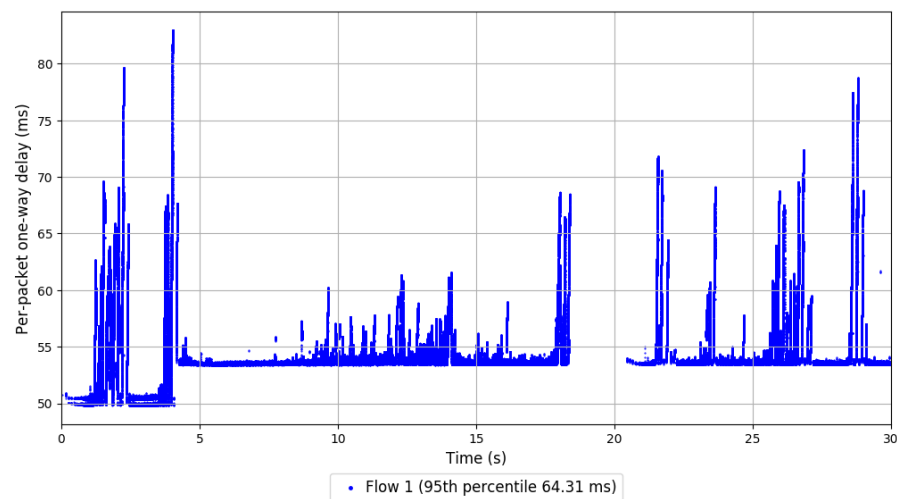
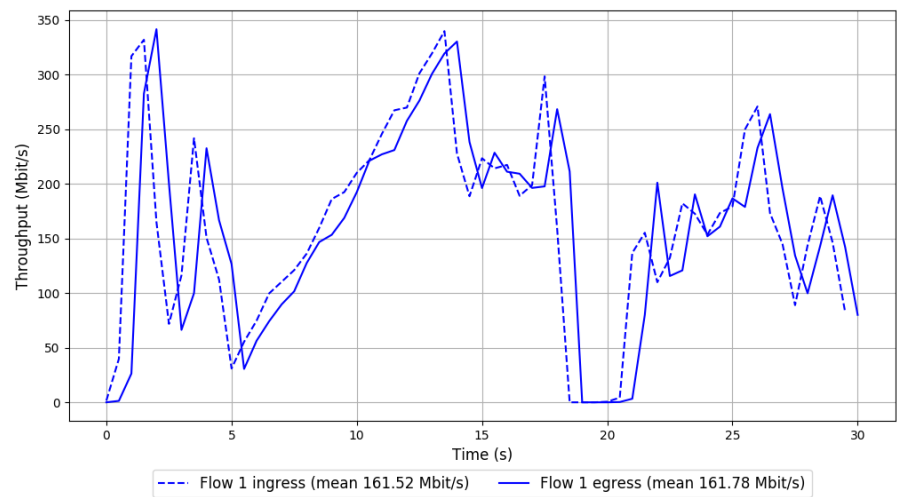


Run 10: Statistics of Copa

Start at: 2018-07-12 14:33:45
End at: 2018-07-12 14:34:16
Local clock offset: -0.028 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-12 15:05:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.78 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 161.78 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 0.18%

Run 10: Report of Copa — Data Link

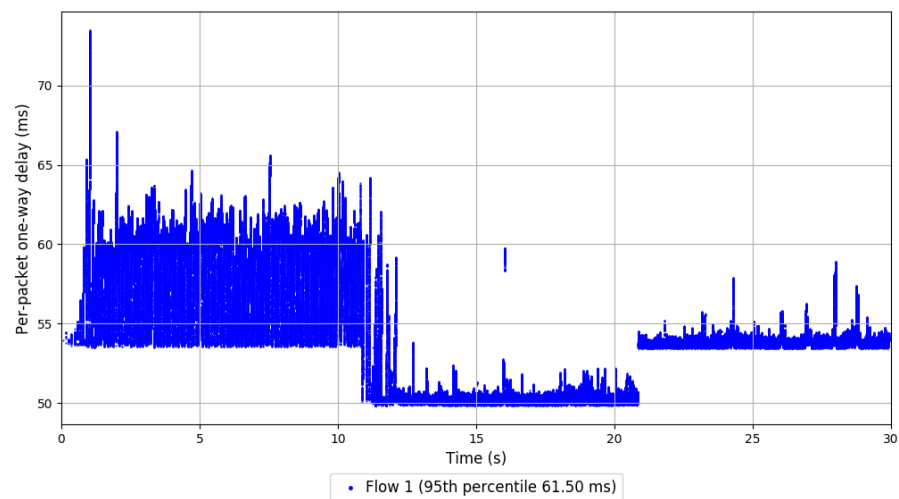
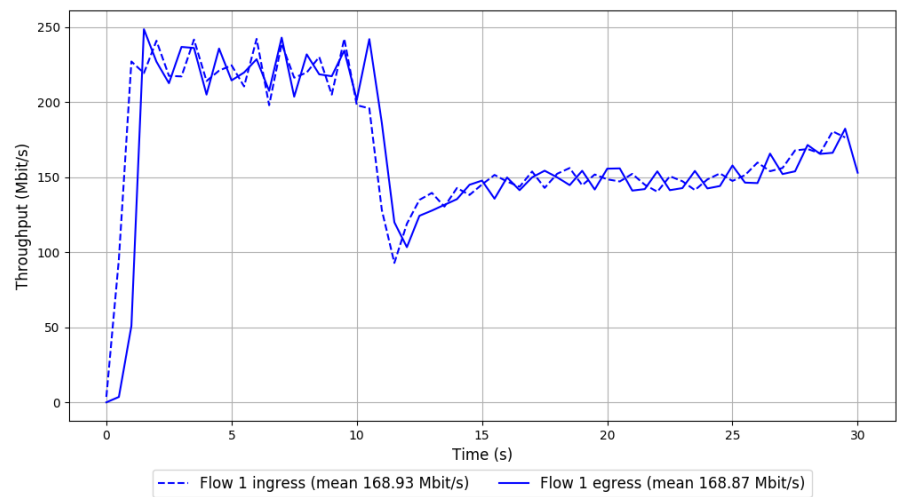


Run 1: Statistics of TCP Cubic

Start at: 2018-07-12 11:15:09
End at: 2018-07-12 11:15:39
Local clock offset: -0.056 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-12 15:05:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.87 Mbit/s
95th percentile per-packet one-way delay: 61.503 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 168.87 Mbit/s
95th percentile per-packet one-way delay: 61.503 ms
Loss rate: 0.39%

Run 1: Report of TCP Cubic — Data Link

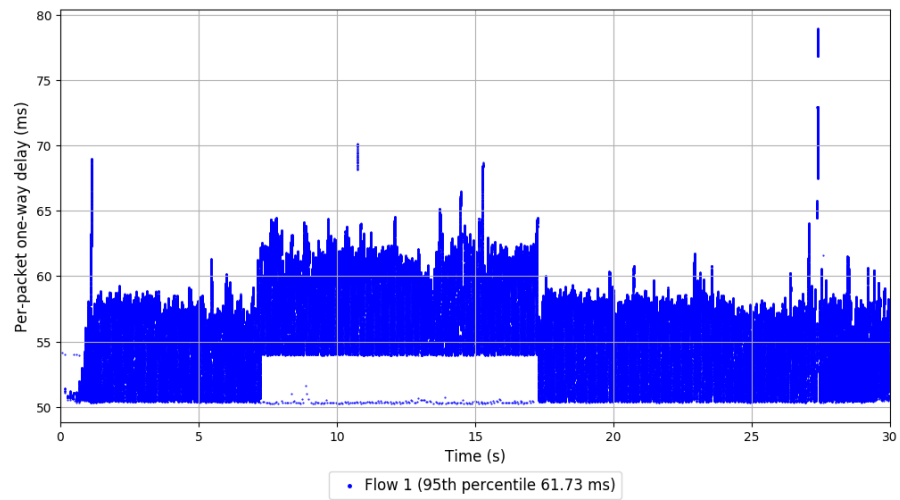
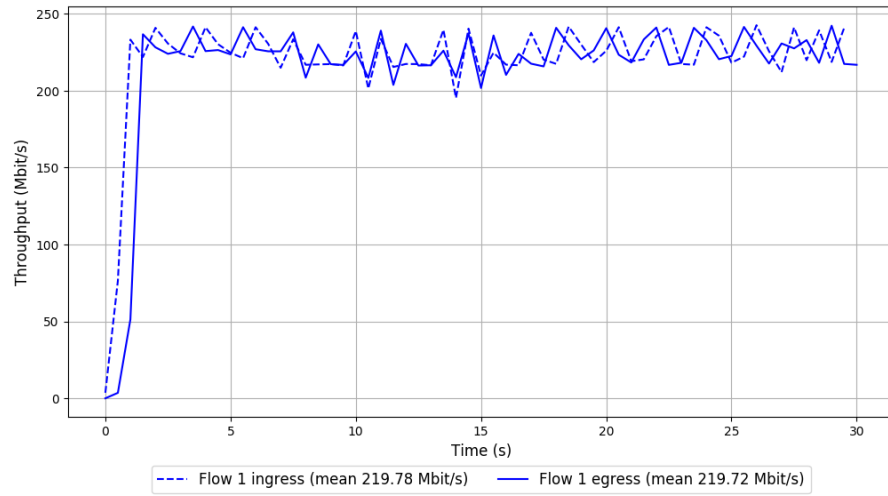


Run 2: Statistics of TCP Cubic

Start at: 2018-07-12 11:37:12
End at: 2018-07-12 11:37:42
Local clock offset: -0.058 ms
Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-07-12 15:05:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.72 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 219.72 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 0.37%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-07-12 11:59:41

Local clock offset: -0.179 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-12 15:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.34 Mbit/s

95th percentile per-packet one-way delay: 58.759 ms

Loss rate: 0.51%

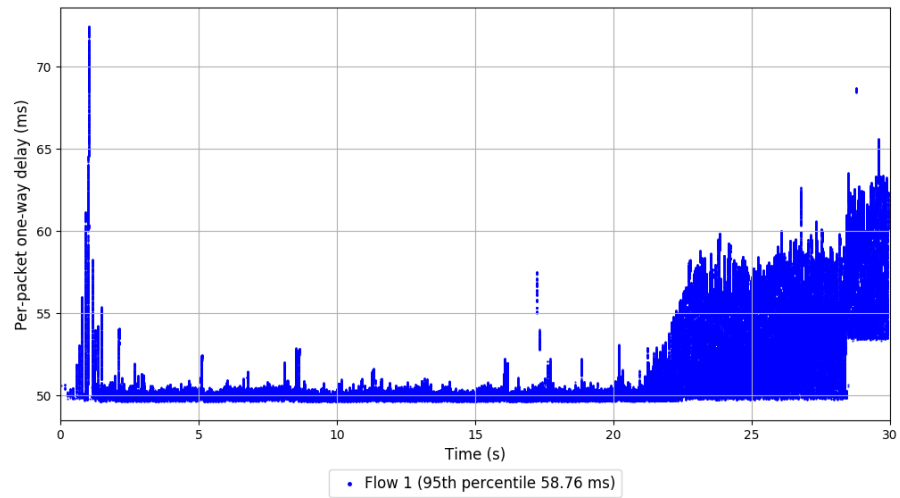
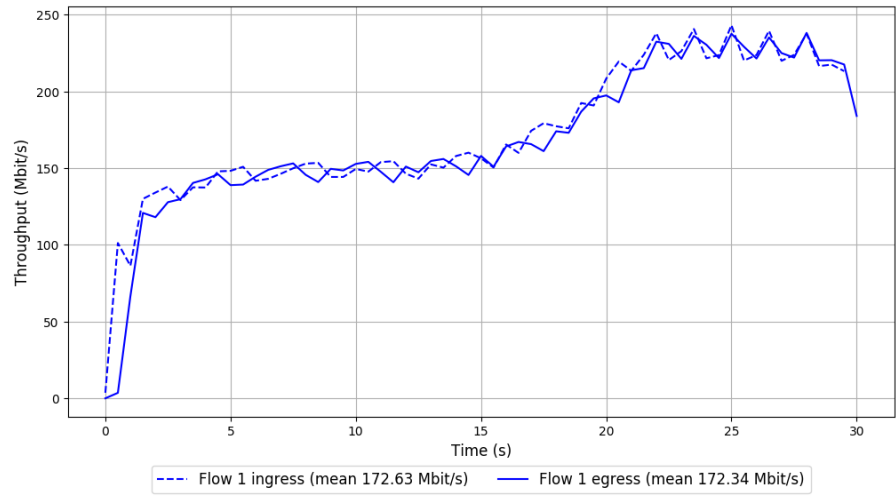
-- Flow 1:

Average throughput: 172.34 Mbit/s

95th percentile per-packet one-way delay: 58.759 ms

Loss rate: 0.51%

Run 3: Report of TCP Cubic — Data Link

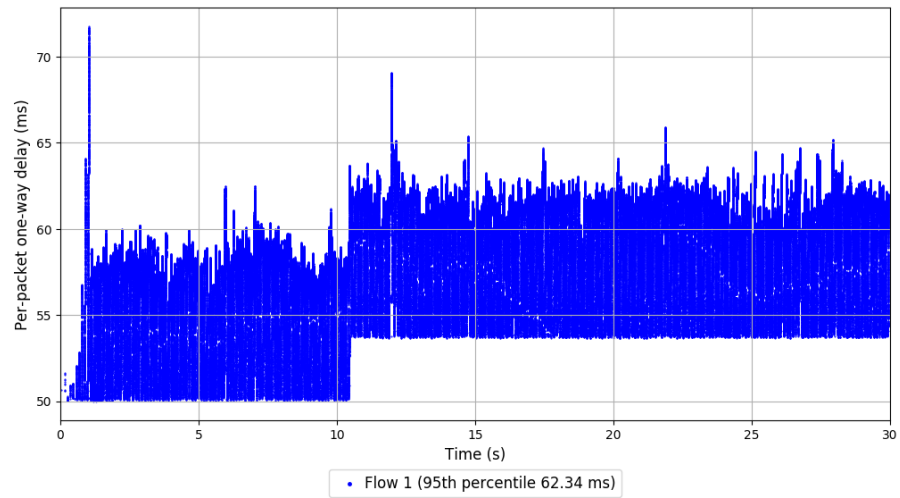
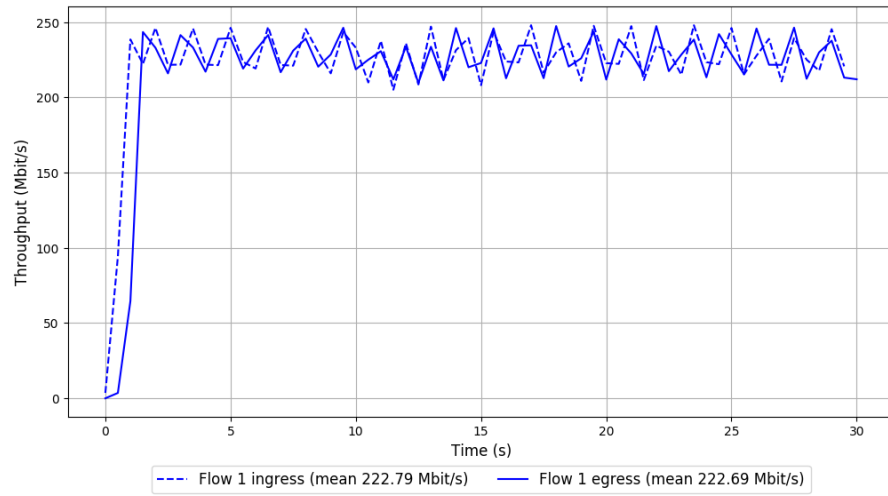


Run 4: Statistics of TCP Cubic

Start at: 2018-07-12 12:21:09
End at: 2018-07-12 12:21:39
Local clock offset: -0.059 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-12 15:05:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.69 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 222.69 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 0.37%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-12 12:43:00

End at: 2018-07-12 12:43:30

Local clock offset: -0.118 ms

Remote clock offset: 1.293 ms

Below is generated by plot.py at 2018-07-12 15:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.92 Mbit/s

95th percentile per-packet one-way delay: 57.568 ms

Loss rate: 0.39%

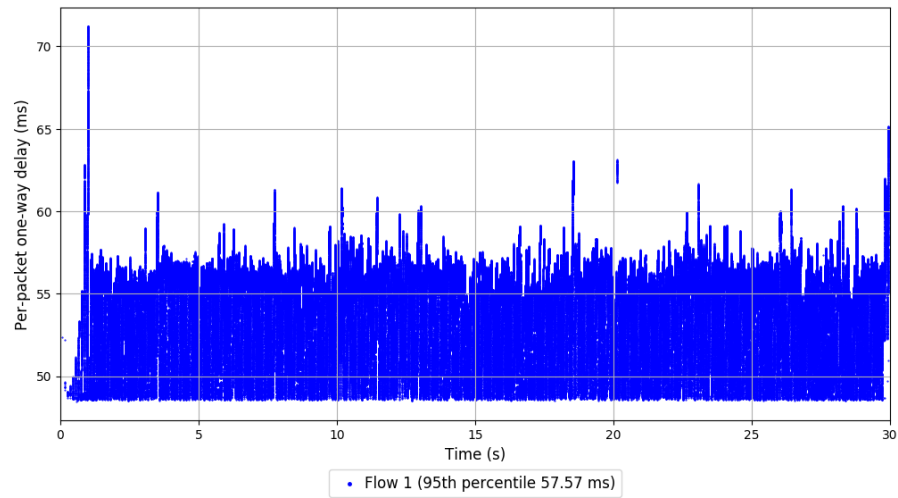
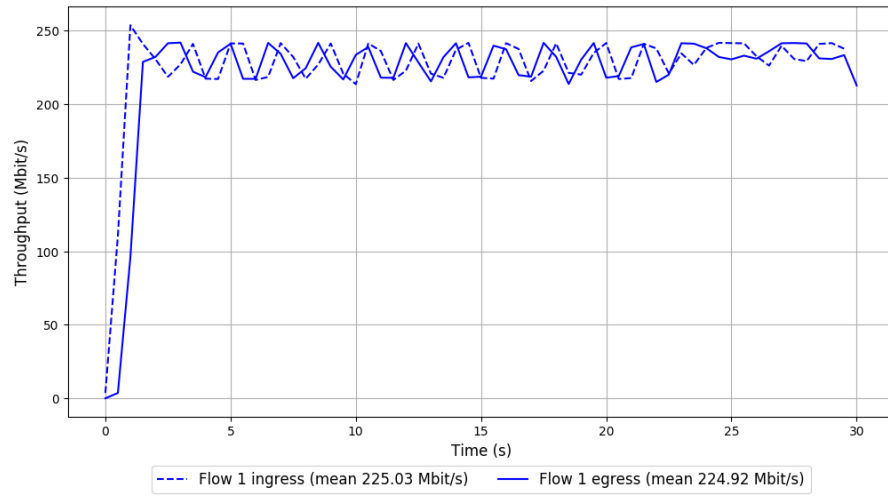
-- Flow 1:

Average throughput: 224.92 Mbit/s

95th percentile per-packet one-way delay: 57.568 ms

Loss rate: 0.39%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-12 13:04:58

End at: 2018-07-12 13:05:28

Local clock offset: -0.026 ms

Remote clock offset: 1.122 ms

Below is generated by plot.py at 2018-07-12 15:06:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.22 Mbit/s

95th percentile per-packet one-way delay: 62.130 ms

Loss rate: 0.37%

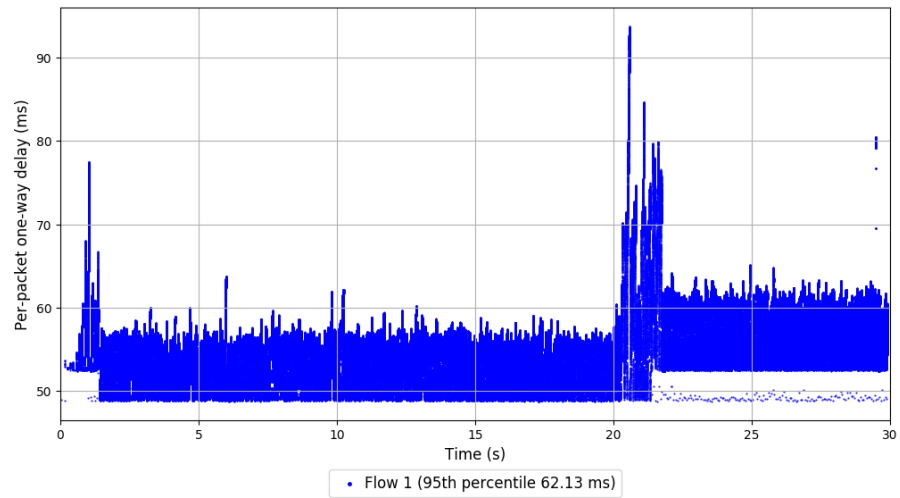
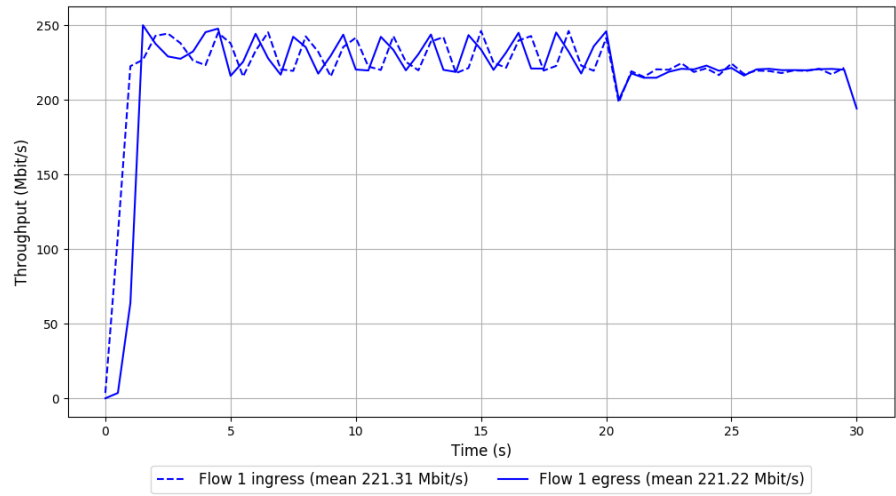
-- Flow 1:

Average throughput: 221.22 Mbit/s

95th percentile per-packet one-way delay: 62.130 ms

Loss rate: 0.37%

Run 6: Report of TCP Cubic — Data Link

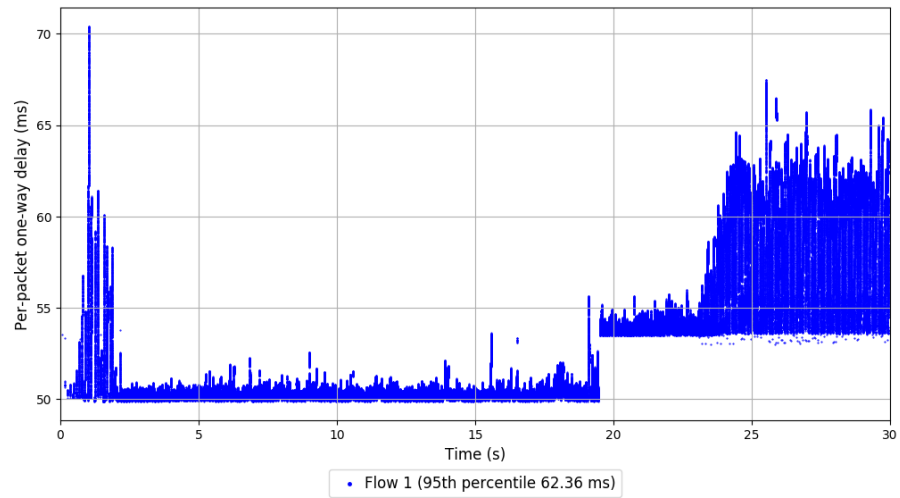
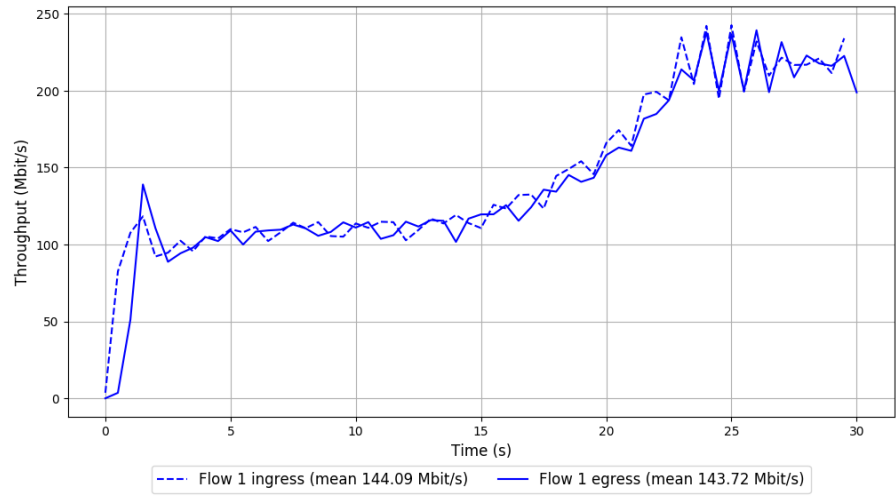


Run 7: Statistics of TCP Cubic

Start at: 2018-07-12 13:26:40
End at: 2018-07-12 13:27:10
Local clock offset: -0.116 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-12 15:06:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.72 Mbit/s
95th percentile per-packet one-way delay: 62.360 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 143.72 Mbit/s
95th percentile per-packet one-way delay: 62.360 ms
Loss rate: 0.61%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-12 13:48:15

End at: 2018-07-12 13:48:45

Local clock offset: -0.043 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-12 15:07:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.59 Mbit/s

95th percentile per-packet one-way delay: 62.837 ms

Loss rate: 0.40%

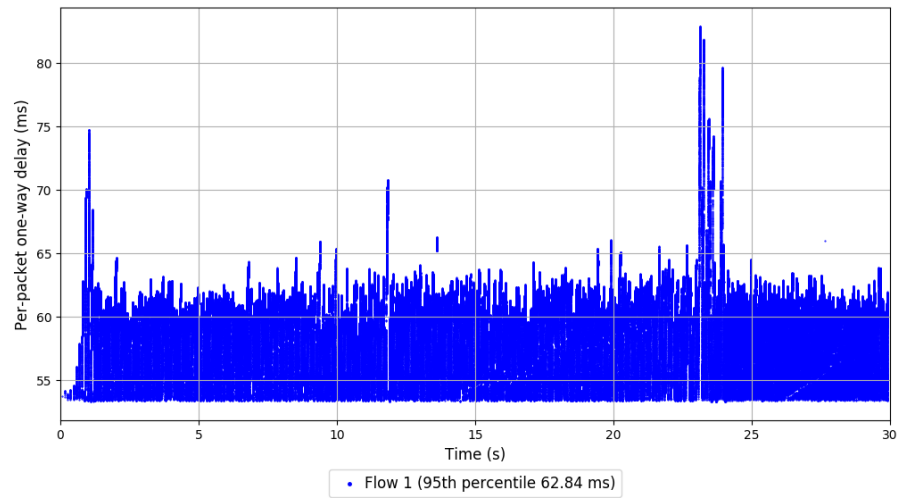
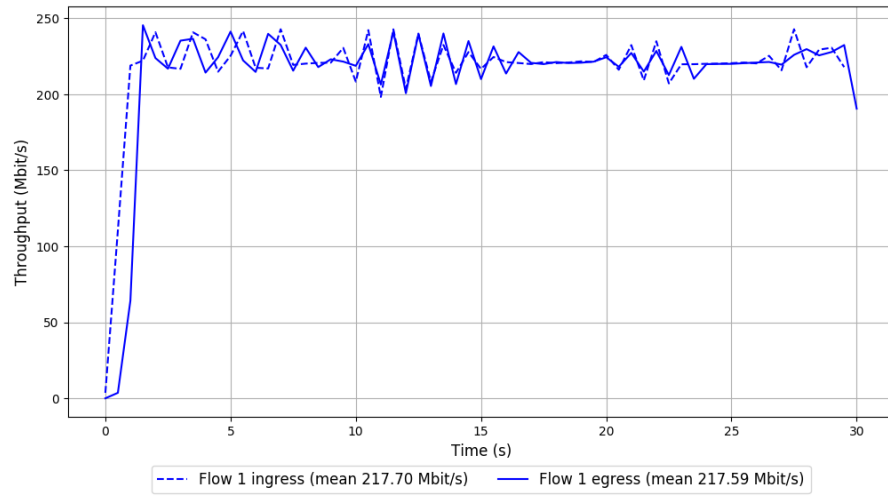
-- Flow 1:

Average throughput: 217.59 Mbit/s

95th percentile per-packet one-way delay: 62.837 ms

Loss rate: 0.40%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-12 14:10:06

End at: 2018-07-12 14:10:36

Local clock offset: 0.254 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-07-12 15:08:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.17 Mbit/s

95th percentile per-packet one-way delay: 60.304 ms

Loss rate: 0.37%

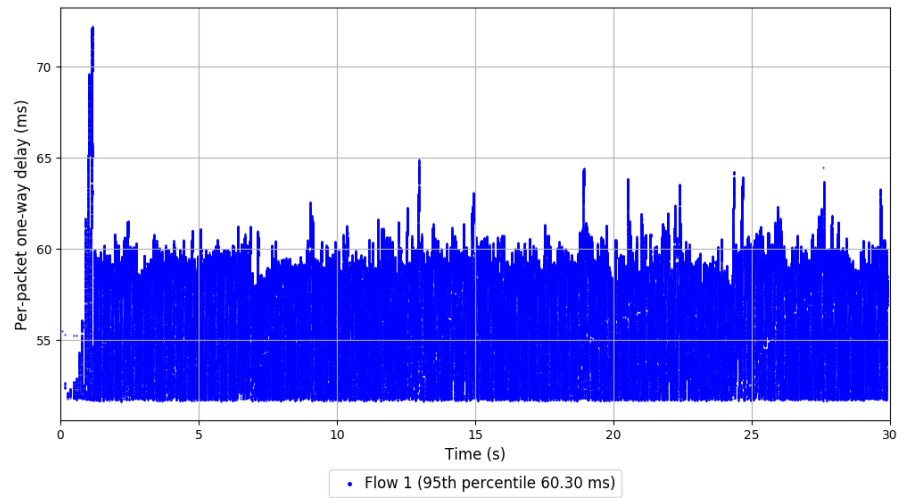
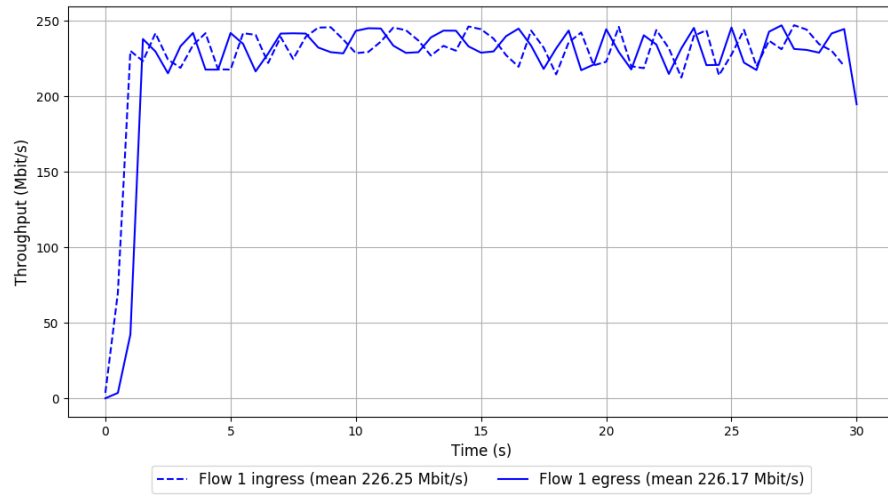
-- Flow 1:

Average throughput: 226.17 Mbit/s

95th percentile per-packet one-way delay: 60.304 ms

Loss rate: 0.37%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-12 14:31:23

End at: 2018-07-12 14:31:54

Local clock offset: -0.059 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-12 15:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.32 Mbit/s

95th percentile per-packet one-way delay: 58.539 ms

Loss rate: 0.36%

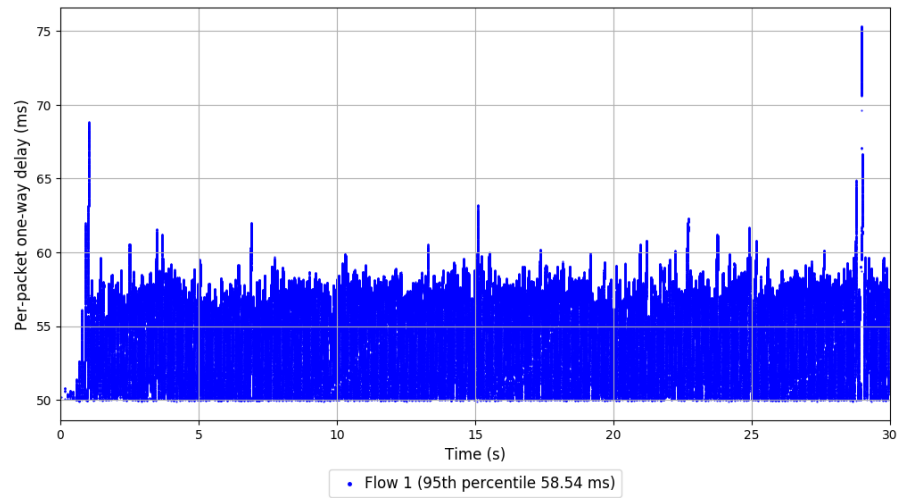
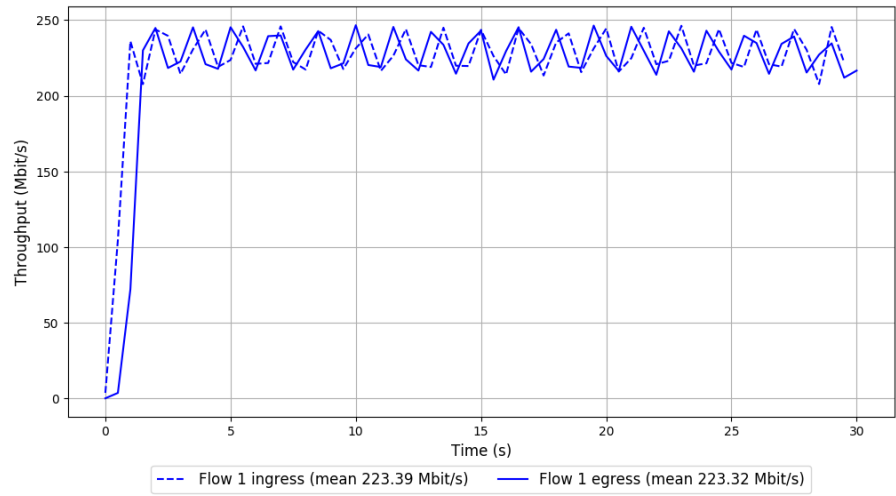
-- Flow 1:

Average throughput: 223.32 Mbit/s

95th percentile per-packet one-way delay: 58.539 ms

Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

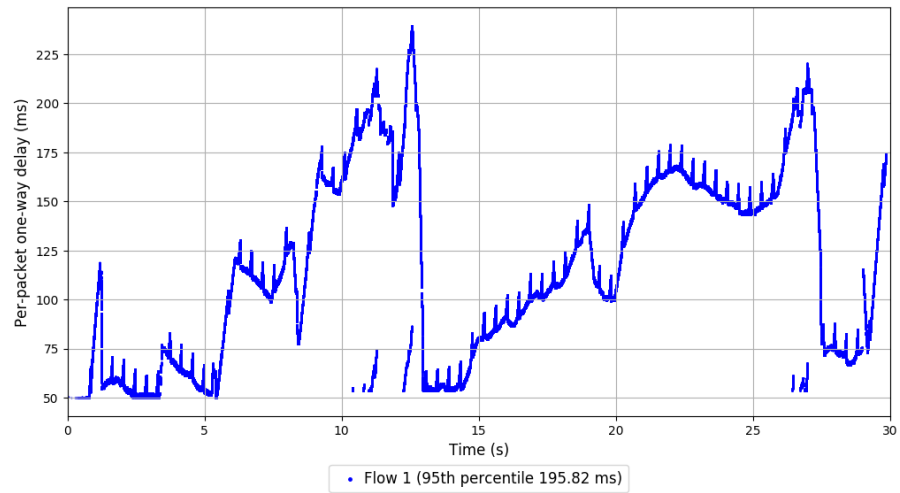
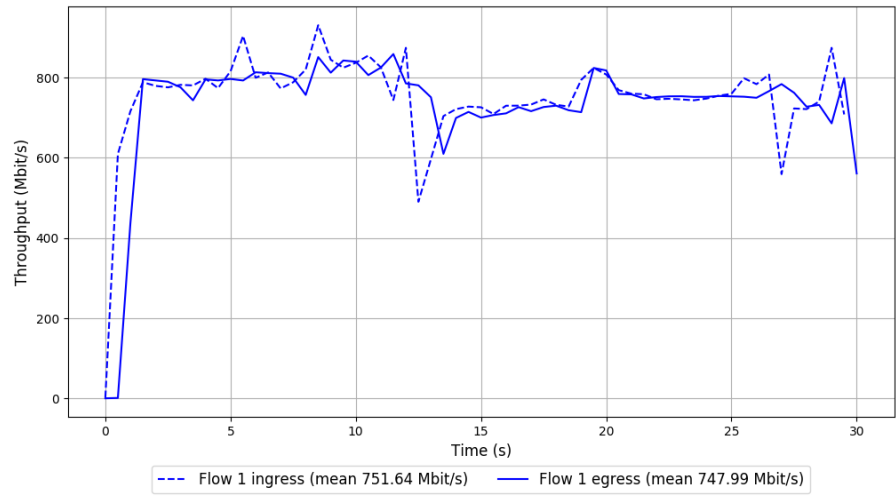


Run 1: Statistics of FillP

Start at: 2018-07-12 11:21:20
End at: 2018-07-12 11:21:50
Local clock offset: -0.059 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-12 15:20:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 747.99 Mbit/s
95th percentile per-packet one-way delay: 195.824 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 747.99 Mbit/s
95th percentile per-packet one-way delay: 195.824 ms
Loss rate: 0.83%

Run 1: Report of FillP — Data Link

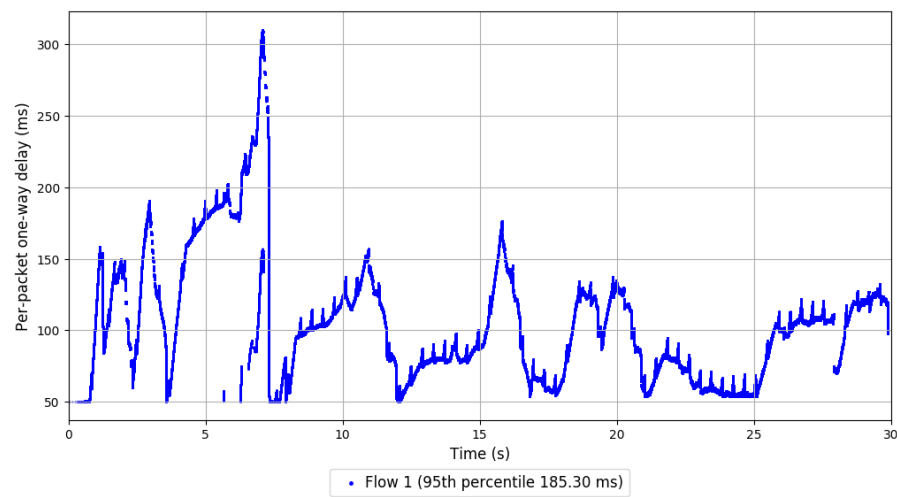
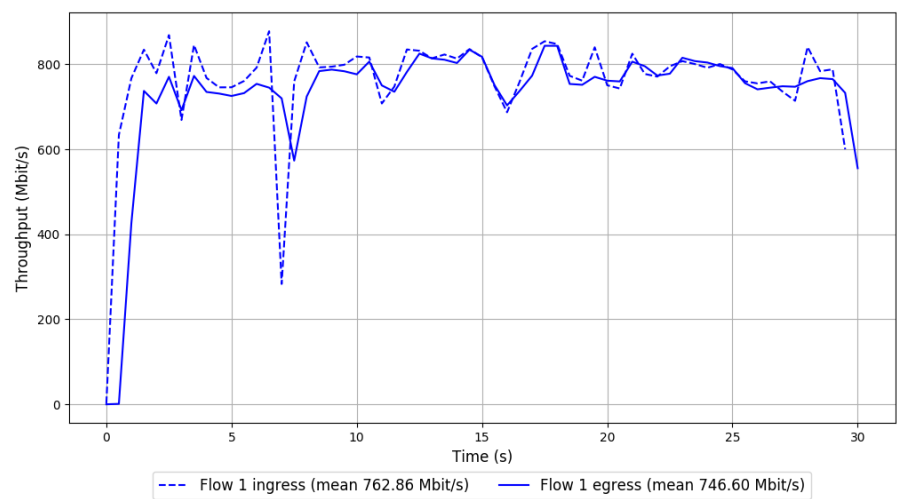


Run 2: Statistics of FillP

Start at: 2018-07-12 11:43:13
End at: 2018-07-12 11:43:43
Local clock offset: 0.028 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-12 15:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 746.60 Mbit/s
95th percentile per-packet one-way delay: 185.301 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 746.60 Mbit/s
95th percentile per-packet one-way delay: 185.301 ms
Loss rate: 2.47%

Run 2: Report of FillP — Data Link

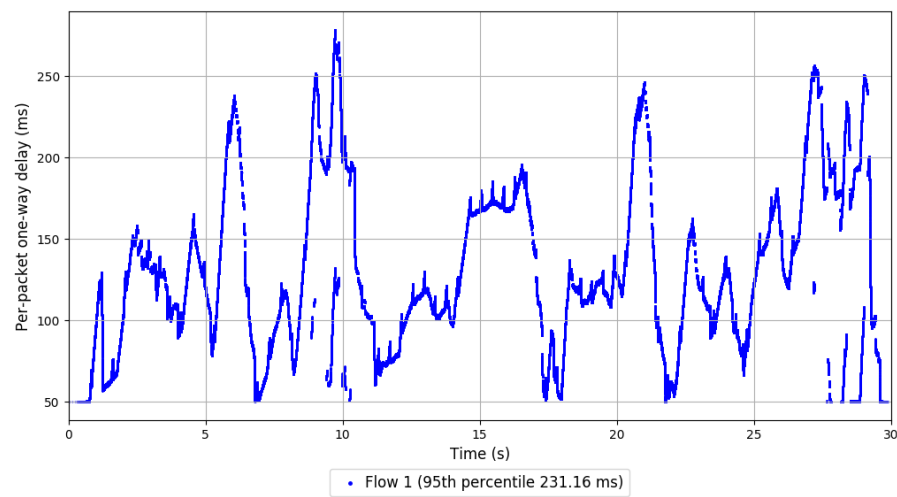
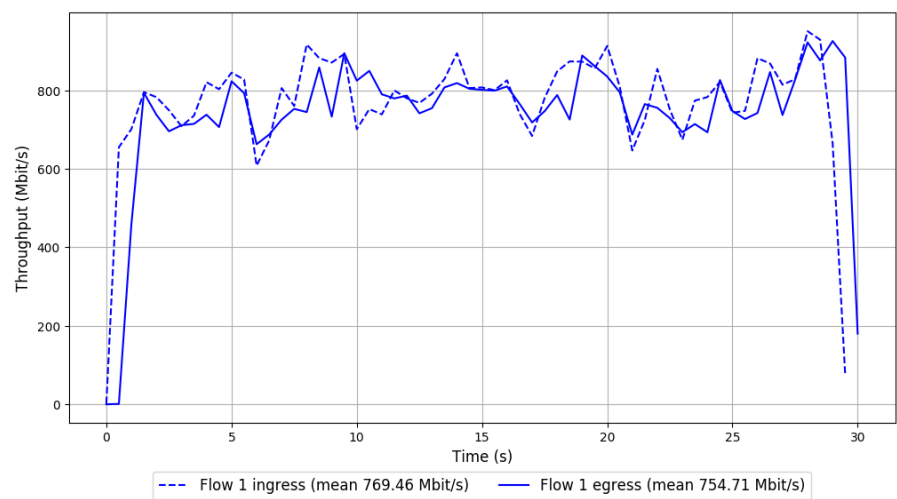


Run 3: Statistics of FillP

Start at: 2018-07-12 12:05:17
End at: 2018-07-12 12:05:47
Local clock offset: -0.111 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-12 15:22:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 754.71 Mbit/s
95th percentile per-packet one-way delay: 231.158 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 754.71 Mbit/s
95th percentile per-packet one-way delay: 231.158 ms
Loss rate: 2.26%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-12 12:27:16

End at: 2018-07-12 12:27:46

Local clock offset: -0.208 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-12 15:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 710.45 Mbit/s

95th percentile per-packet one-way delay: 233.730 ms

Loss rate: 2.10%

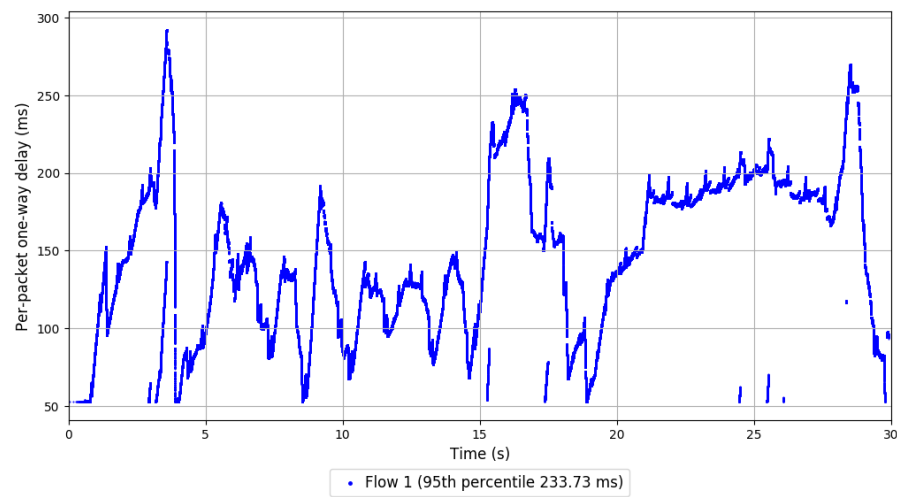
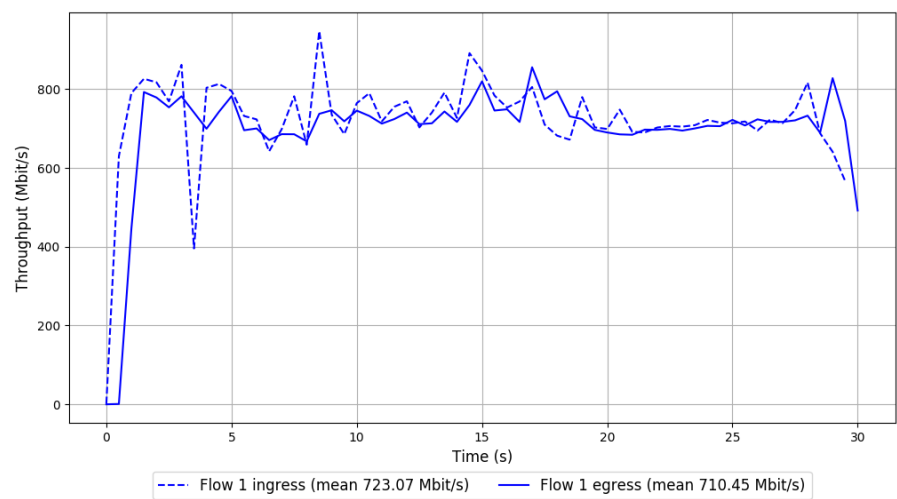
-- Flow 1:

Average throughput: 710.45 Mbit/s

95th percentile per-packet one-way delay: 233.730 ms

Loss rate: 2.10%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

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

End at: 2018-07-12 12:49:37

Local clock offset: 0.048 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-07-12 15:22:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 680.85 Mbit/s

95th percentile per-packet one-way delay: 152.970 ms

Loss rate: 3.49%

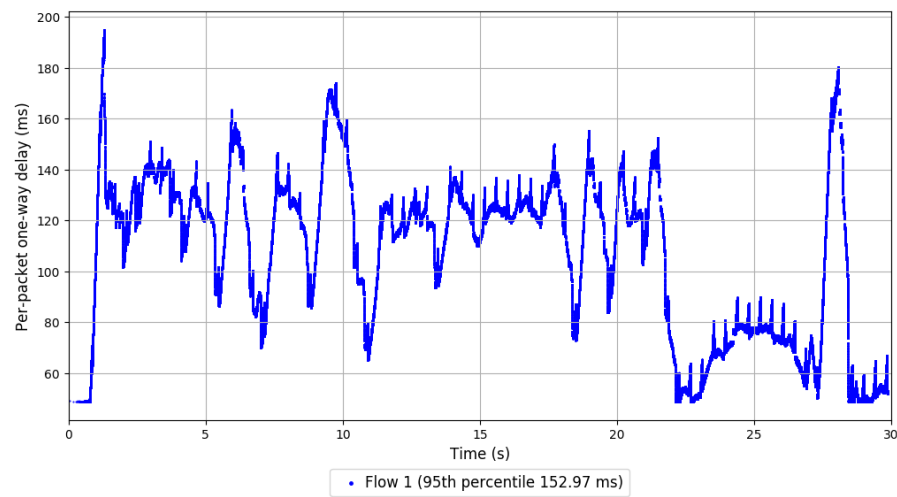
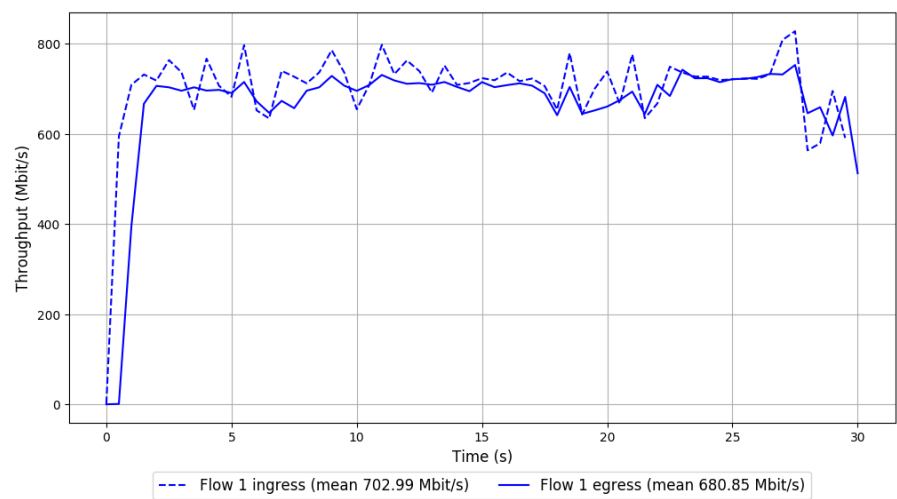
-- Flow 1:

Average throughput: 680.85 Mbit/s

95th percentile per-packet one-way delay: 152.970 ms

Loss rate: 3.49%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-12 13:10:59

End at: 2018-07-12 13:11:29

Local clock offset: 0.005 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-12 15:25:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.75 Mbit/s

95th percentile per-packet one-way delay: 190.032 ms

Loss rate: 0.64%

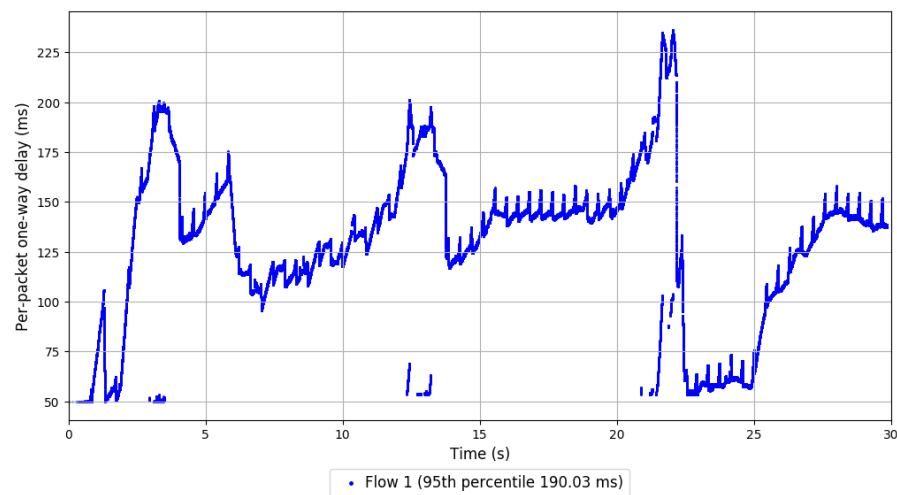
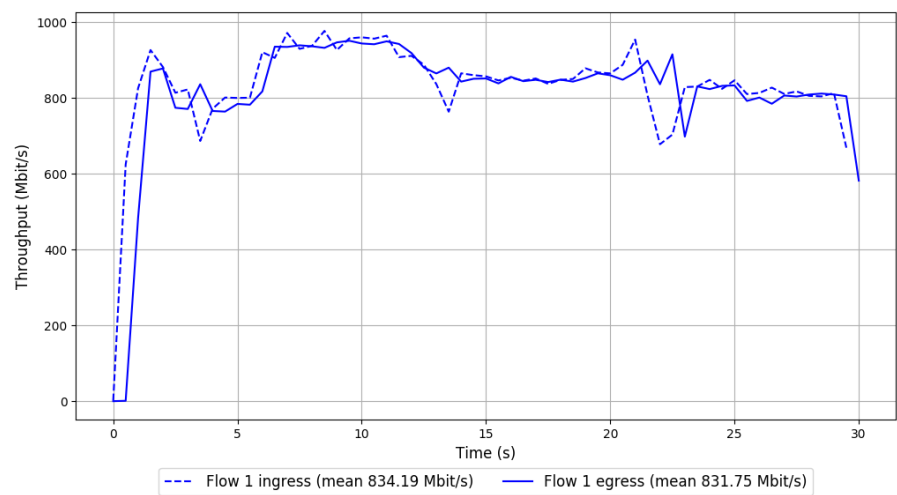
-- Flow 1:

Average throughput: 831.75 Mbit/s

95th percentile per-packet one-way delay: 190.032 ms

Loss rate: 0.64%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-12 13:32:42

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

Local clock offset: 0.047 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-12 15:25:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 709.73 Mbit/s

95th percentile per-packet one-way delay: 238.688 ms

Loss rate: 3.91%

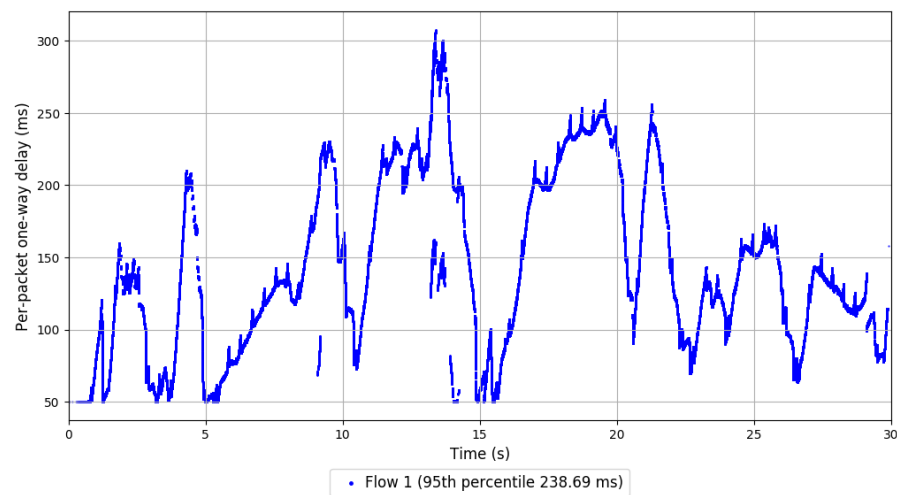
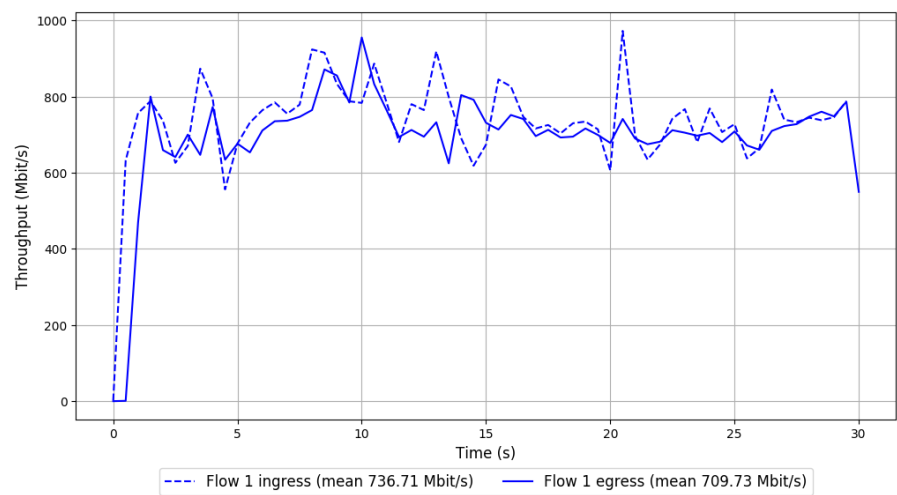
-- Flow 1:

Average throughput: 709.73 Mbit/s

95th percentile per-packet one-way delay: 238.688 ms

Loss rate: 3.91%

Run 7: Report of FillP — Data Link

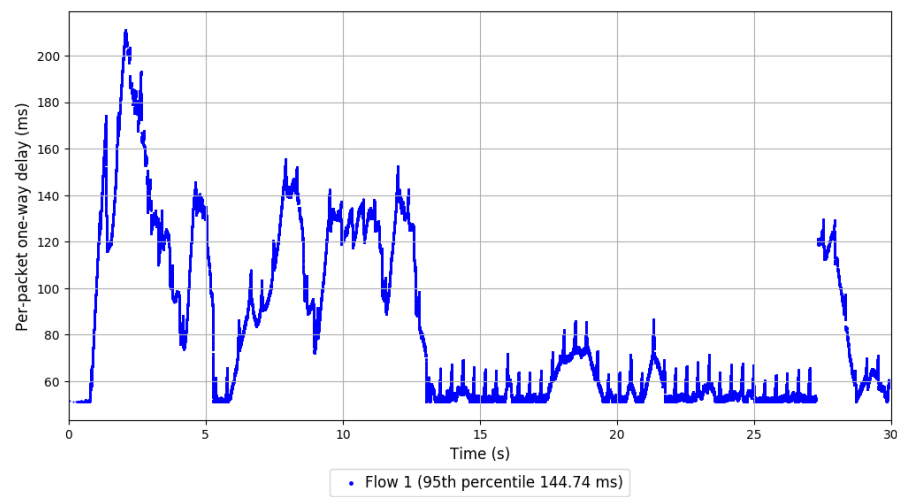
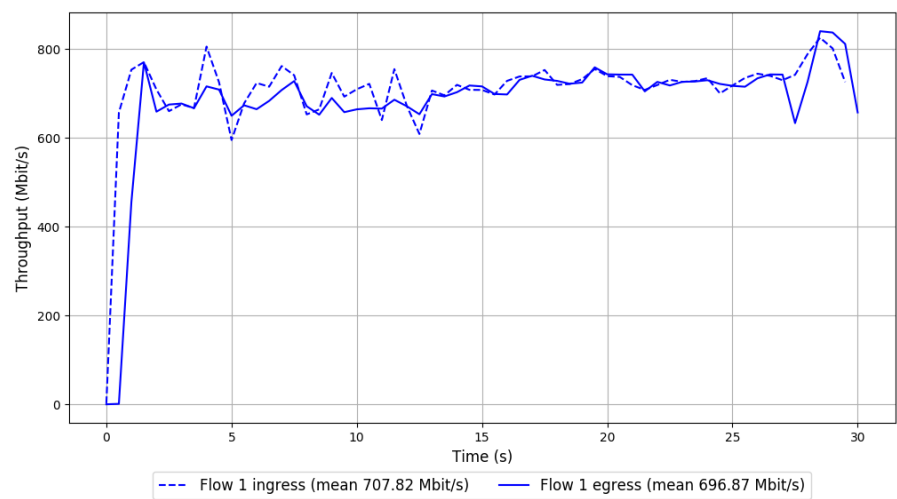


Run 8: Statistics of FillP

Start at: 2018-07-12 13:54:24
End at: 2018-07-12 13:54:54
Local clock offset: -0.01 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-07-12 15:25:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 696.87 Mbit/s
95th percentile per-packet one-way delay: 144.742 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 696.87 Mbit/s
95th percentile per-packet one-way delay: 144.742 ms
Loss rate: 1.89%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

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

End at: 2018-07-12 14:16:37

Local clock offset: -0.1 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-07-12 15:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 745.41 Mbit/s

95th percentile per-packet one-way delay: 241.873 ms

Loss rate: 3.35%

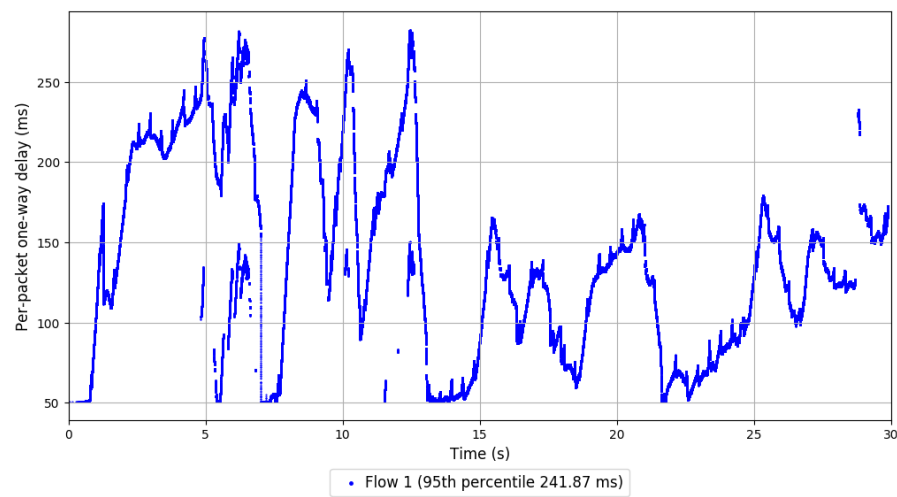
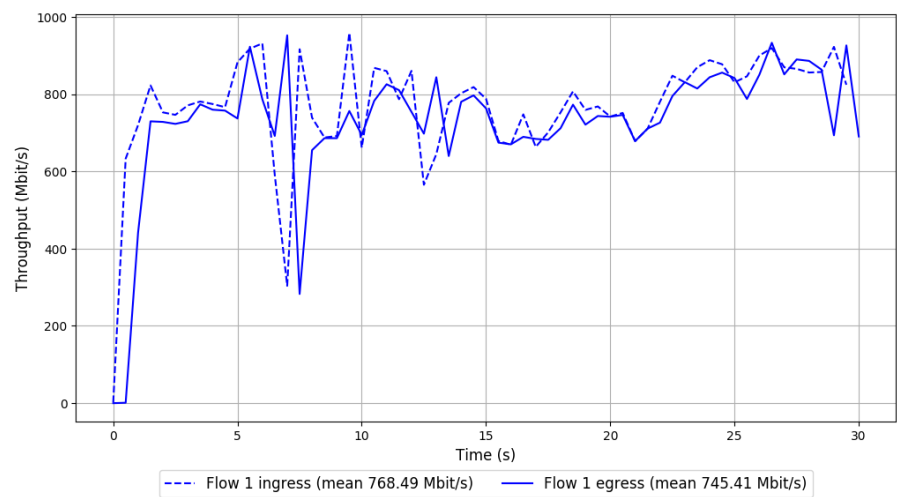
-- Flow 1:

Average throughput: 745.41 Mbit/s

95th percentile per-packet one-way delay: 241.873 ms

Loss rate: 3.35%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-12 14:37:34

End at: 2018-07-12 14:38:04

Local clock offset: -0.11 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-07-12 15:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 700.82 Mbit/s

95th percentile per-packet one-way delay: 221.553 ms

Loss rate: 3.40%

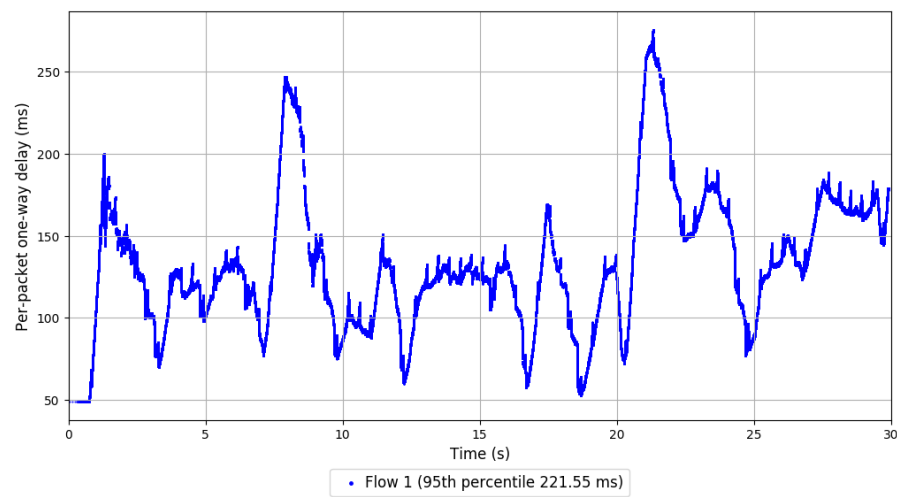
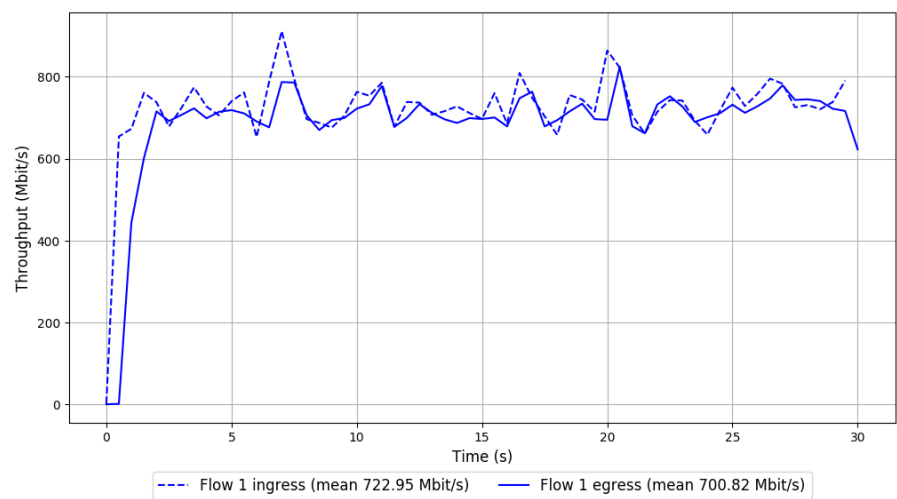
-- Flow 1:

Average throughput: 700.82 Mbit/s

95th percentile per-packet one-way delay: 221.553 ms

Loss rate: 3.40%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-12 11:09:49

End at: 2018-07-12 11:10:19

Local clock offset: -0.031 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-12 15:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.54 Mbit/s

95th percentile per-packet one-way delay: 279.068 ms

Loss rate: 8.51%

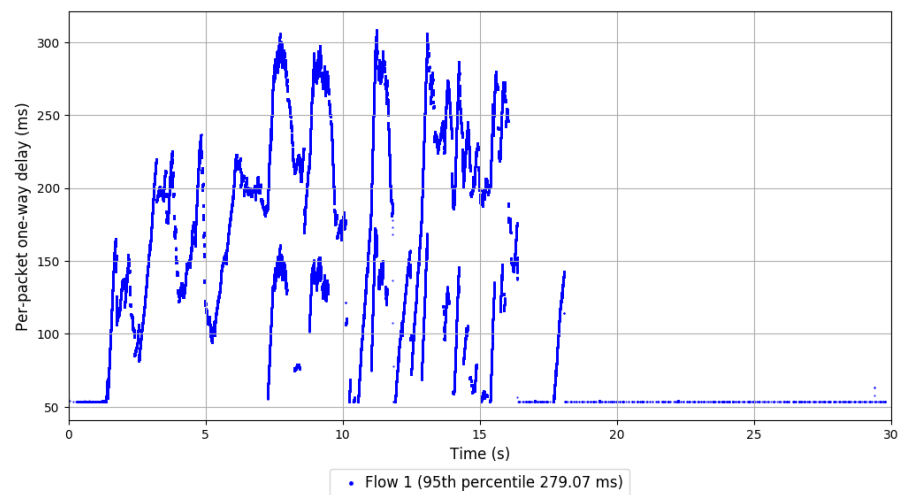
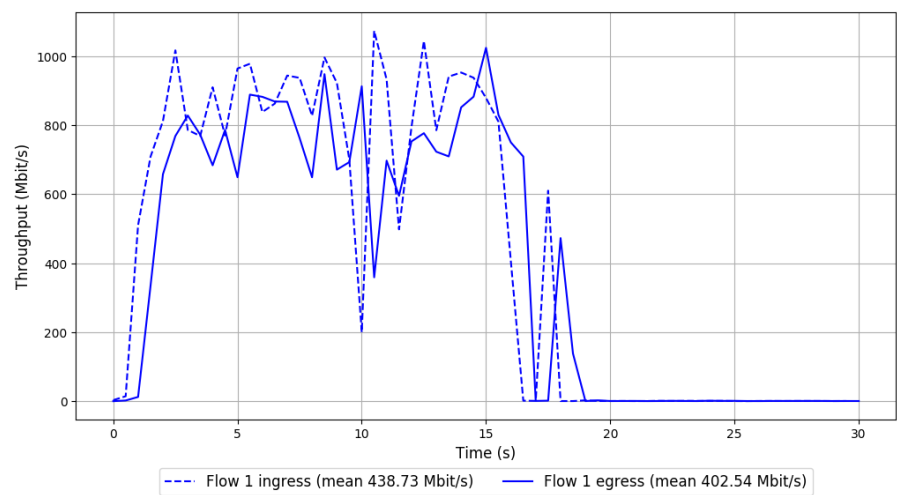
-- Flow 1:

Average throughput: 402.54 Mbit/s

95th percentile per-packet one-way delay: 279.068 ms

Loss rate: 8.51%

Run 1: Report of FillP-Sheep — Data Link

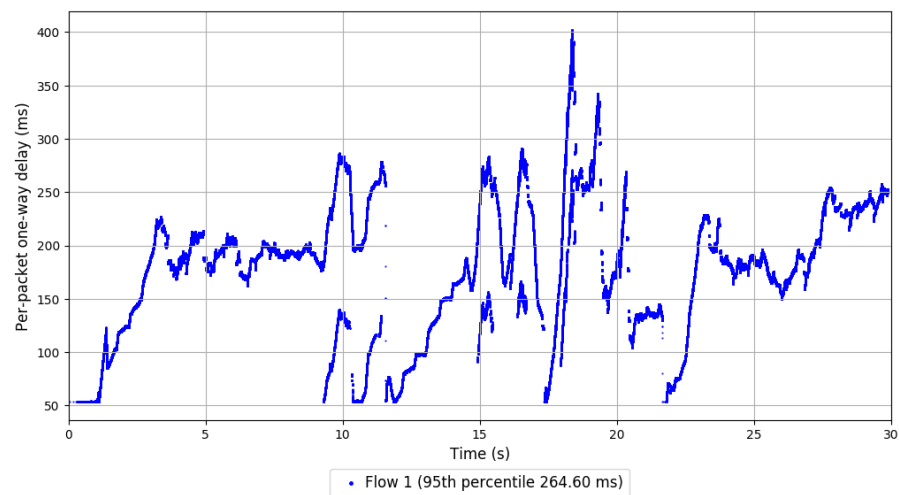
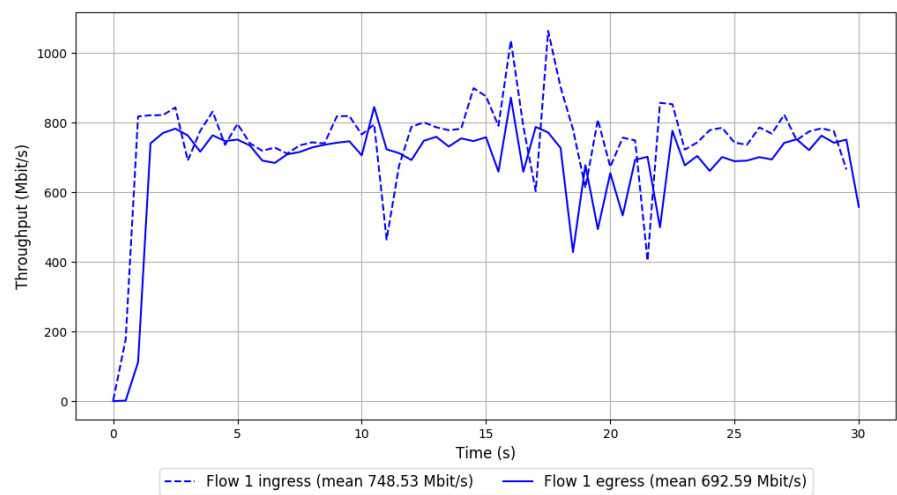


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-12 11:31:38
End at: 2018-07-12 11:32:08
Local clock offset: -0.112 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-12 15:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 692.59 Mbit/s
95th percentile per-packet one-way delay: 264.596 ms
Loss rate: 7.81%
-- Flow 1:
Average throughput: 692.59 Mbit/s
95th percentile per-packet one-way delay: 264.596 ms
Loss rate: 7.81%

Run 2: Report of FillP-Sheep — Data Link

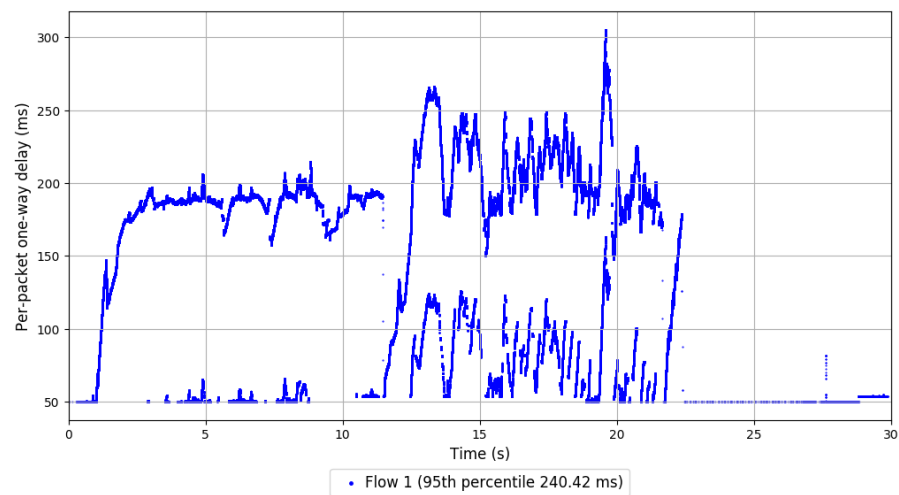
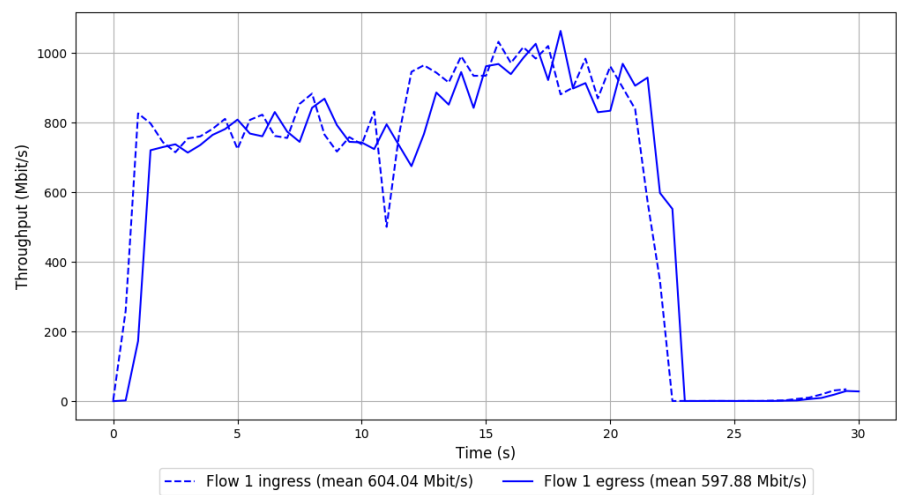


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-12 11:53:31
End at: 2018-07-12 11:54:01
Local clock offset: -0.254 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-12 15:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 597.88 Mbit/s
95th percentile per-packet one-way delay: 240.417 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 597.88 Mbit/s
95th percentile per-packet one-way delay: 240.417 ms
Loss rate: 1.39%

Run 3: Report of FillP-Sheep — Data Link

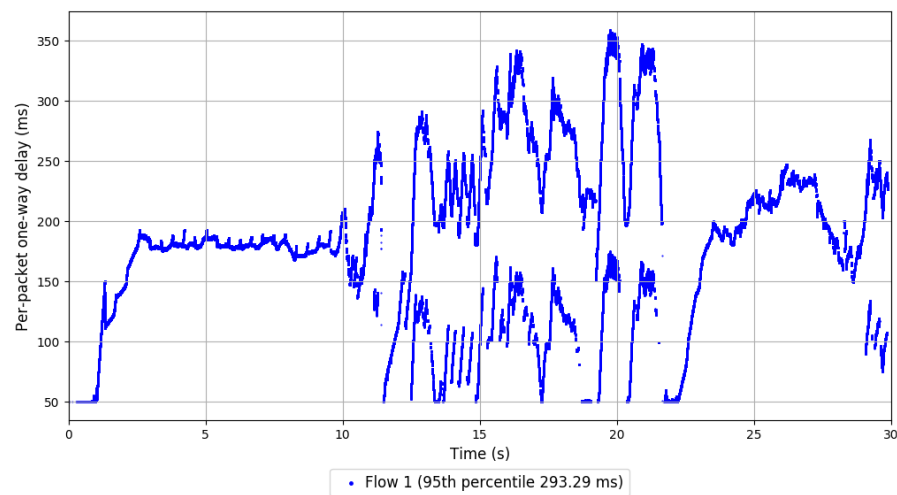
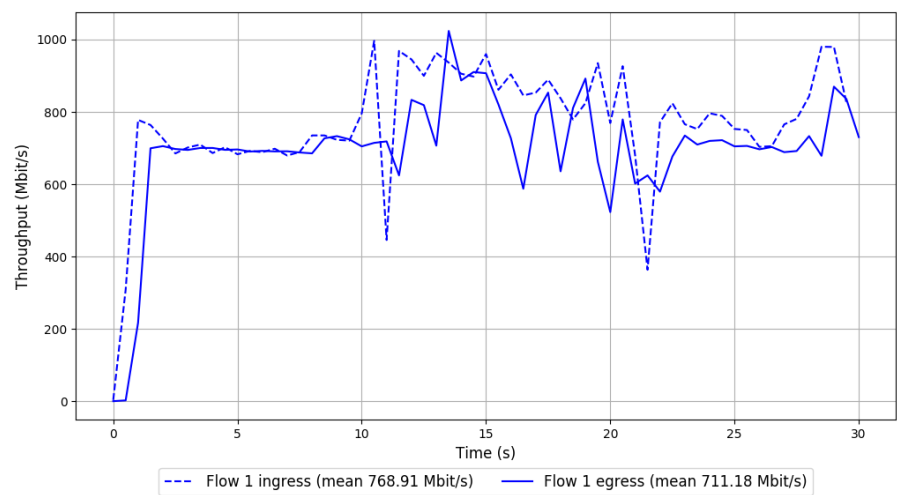


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-12 12:15:31
End at: 2018-07-12 12:16:01
Local clock offset: -0.162 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-12 15:38:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 711.18 Mbit/s
95th percentile per-packet one-way delay: 293.293 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 711.18 Mbit/s
95th percentile per-packet one-way delay: 293.293 ms
Loss rate: 7.83%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-12 12:37:28

End at: 2018-07-12 12:37:58

Local clock offset: 0.121 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-12 15:38:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.76 Mbit/s

95th percentile per-packet one-way delay: 266.100 ms

Loss rate: 2.92%

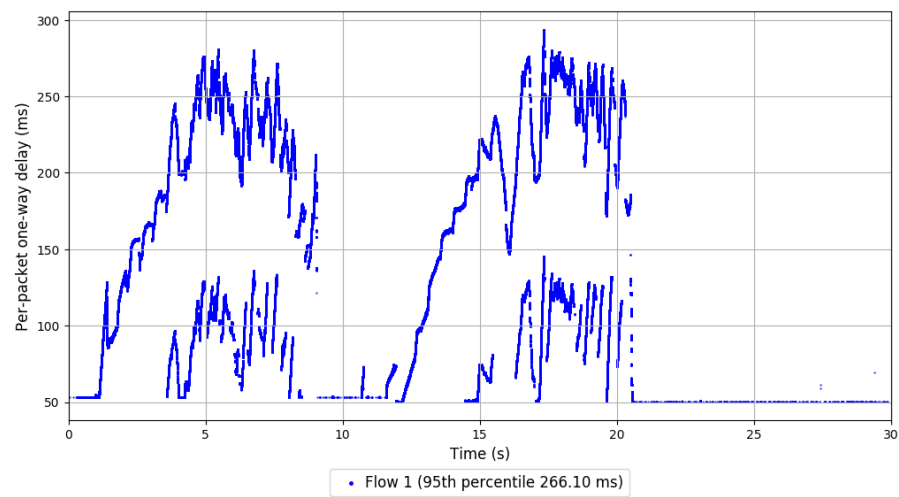
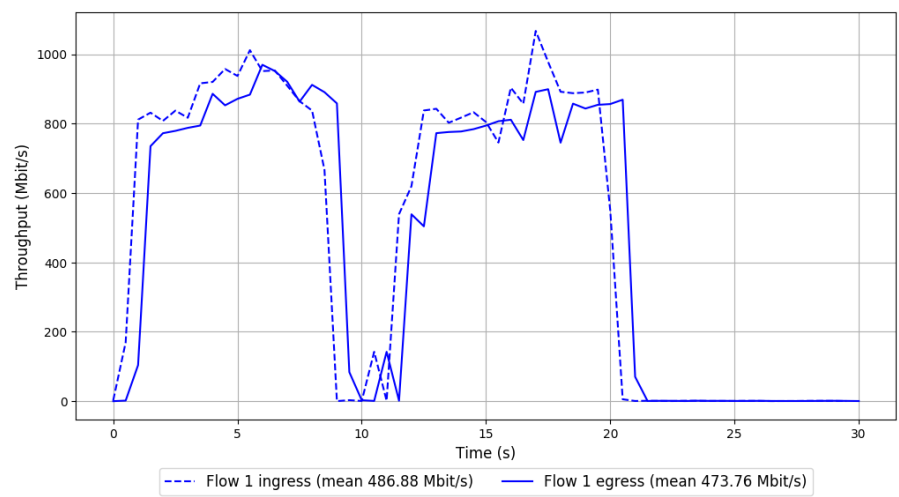
-- Flow 1:

Average throughput: 473.76 Mbit/s

95th percentile per-packet one-way delay: 266.100 ms

Loss rate: 2.92%

Run 5: Report of FillP-Sheep — Data Link

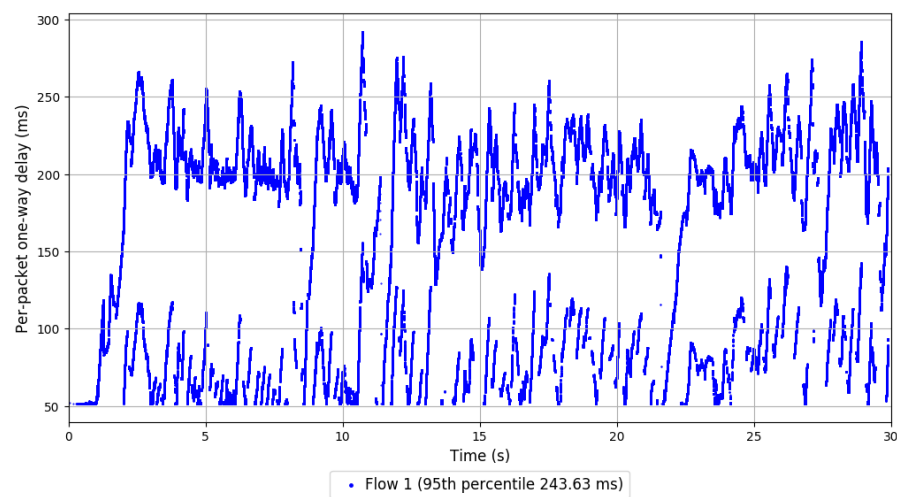
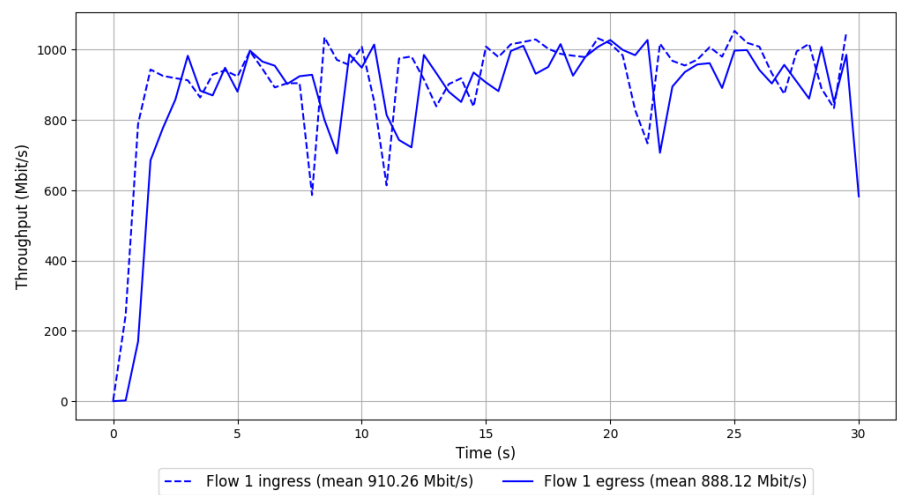


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-12 12:59:17
End at: 2018-07-12 12:59:47
Local clock offset: -0.021 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2018-07-12 15:45:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 888.12 Mbit/s
95th percentile per-packet one-way delay: 243.628 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 888.12 Mbit/s
95th percentile per-packet one-way delay: 243.628 ms
Loss rate: 2.87%

Run 6: Report of FillP-Sheep — Data Link

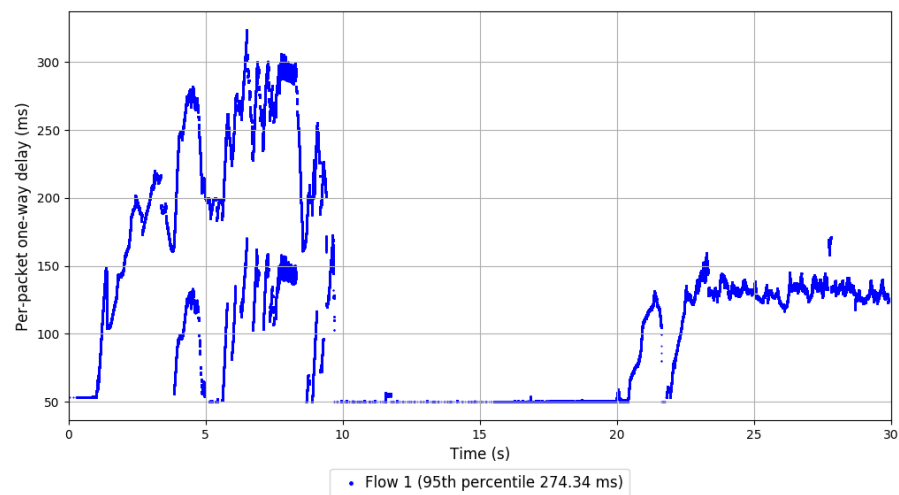
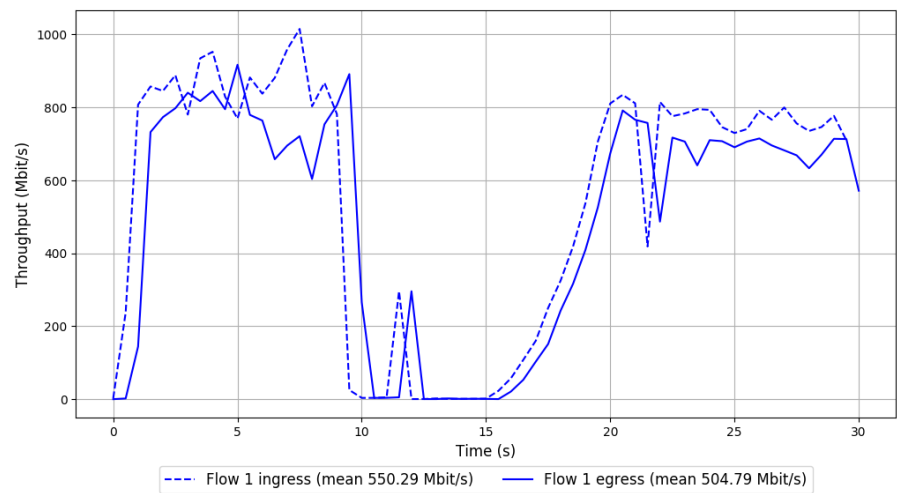


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-12 13:21:08
End at: 2018-07-12 13:21:38
Local clock offset: -0.037 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-12 15:45:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 504.79 Mbit/s
95th percentile per-packet one-way delay: 274.338 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 504.79 Mbit/s
95th percentile per-packet one-way delay: 274.338 ms
Loss rate: 8.60%

Run 7: Report of FillP-Sheep — Data Link

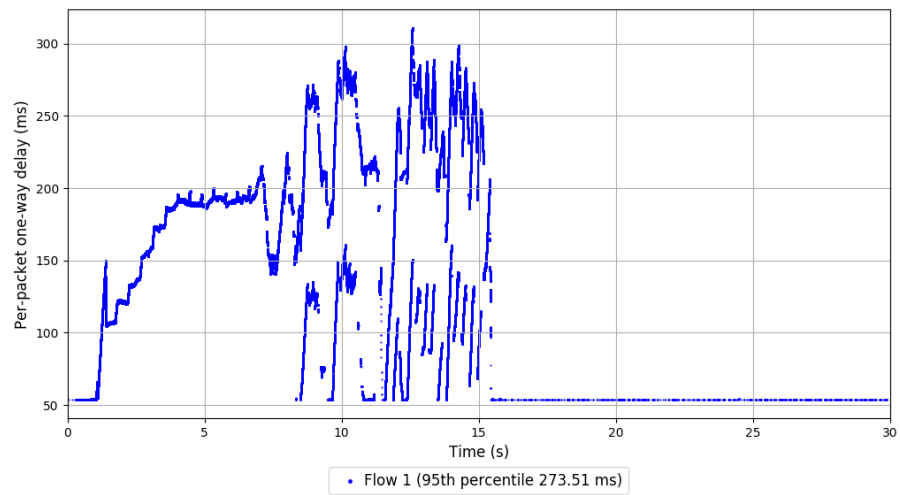
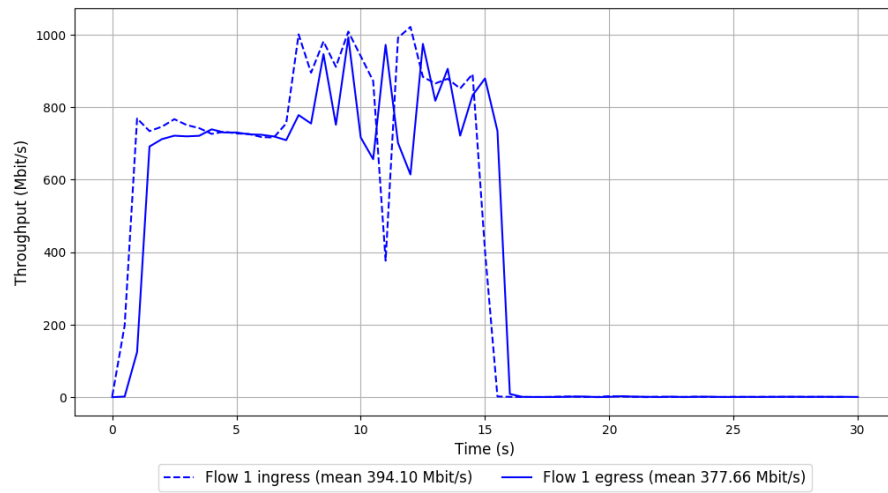


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-12 13:42:49
End at: 2018-07-12 13:43:19
Local clock offset: 0.245 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-12 15:45:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.66 Mbit/s
95th percentile per-packet one-way delay: 273.508 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 377.66 Mbit/s
95th percentile per-packet one-way delay: 273.508 ms
Loss rate: 4.48%

Run 8: Report of FillP-Sheep — Data Link

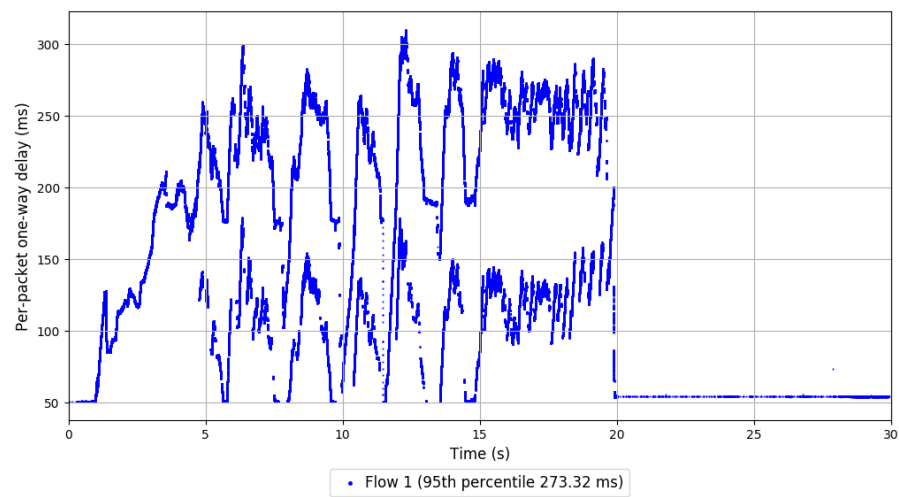
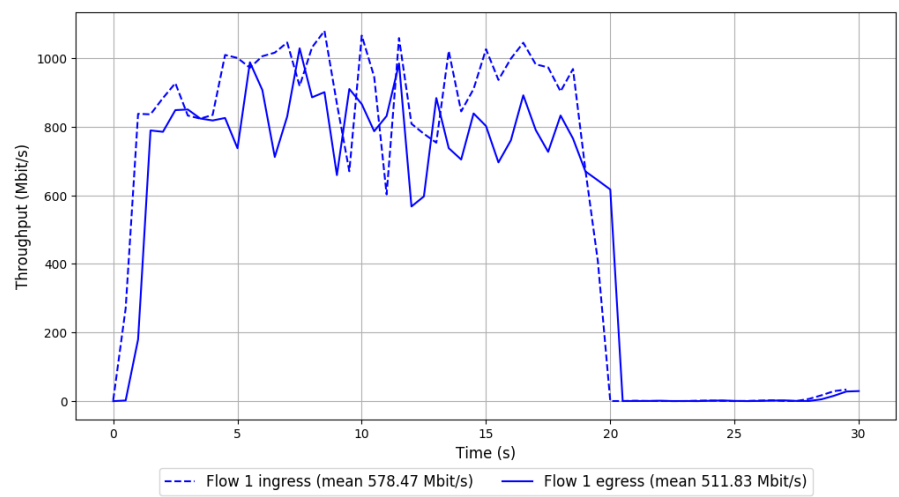


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-12 14:04:40
End at: 2018-07-12 14:05:10
Local clock offset: 0.094 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.83 Mbit/s
95th percentile per-packet one-way delay: 273.322 ms
Loss rate: 11.83%
-- Flow 1:
Average throughput: 511.83 Mbit/s
95th percentile per-packet one-way delay: 273.322 ms
Loss rate: 11.83%

Run 9: Report of FillP-Sheep — Data Link

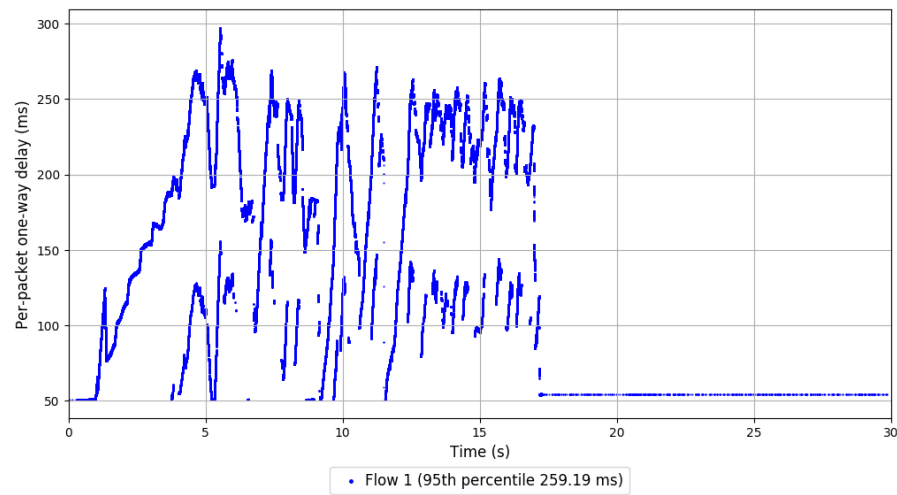
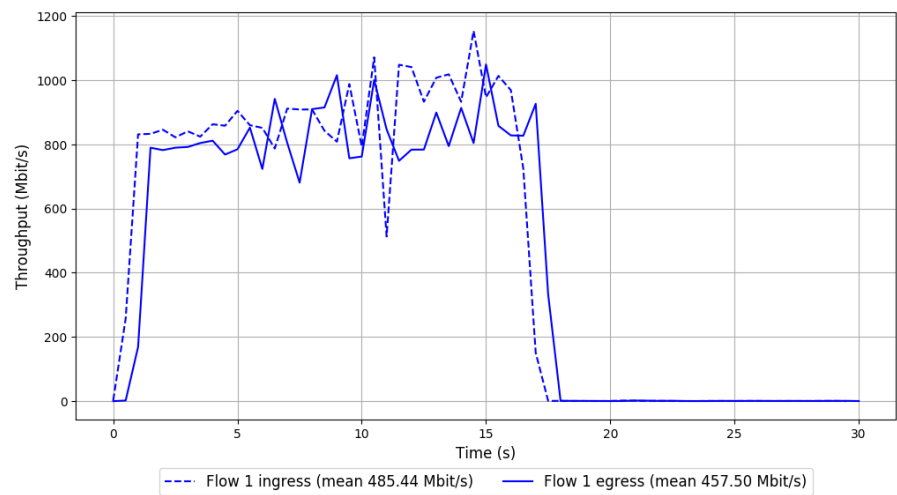


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-12 14:26:17
End at: 2018-07-12 14:26:47
Local clock offset: 0.182 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.50 Mbit/s
95th percentile per-packet one-way delay: 259.191 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 457.50 Mbit/s
95th percentile per-packet one-way delay: 259.191 ms
Loss rate: 6.23%

Run 10: Report of FillP-Sheep — Data Link

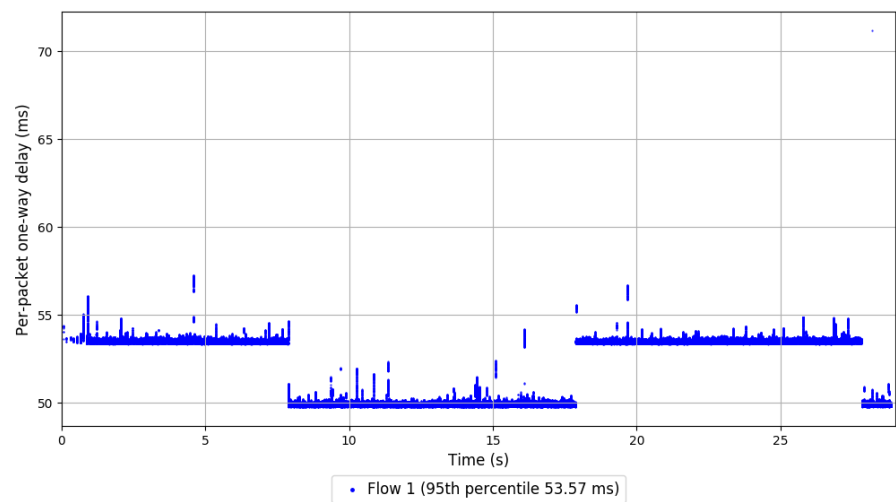
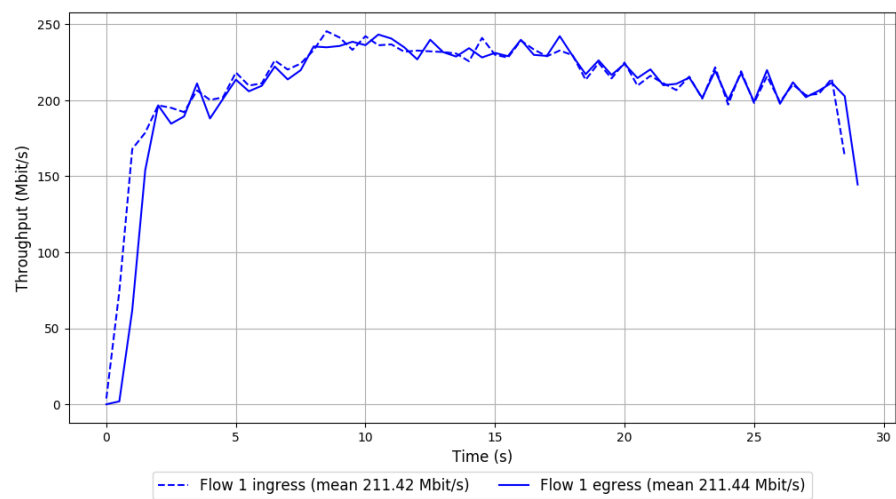


Run 1: Statistics of Indigo

Start at: 2018-07-12 11:13:51
End at: 2018-07-12 11:14:21
Local clock offset: -0.099 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.44 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 211.44 Mbit/s
95th percentile per-packet one-way delay: 53.569 ms
Loss rate: 0.37%

Run 1: Report of Indigo — Data Link

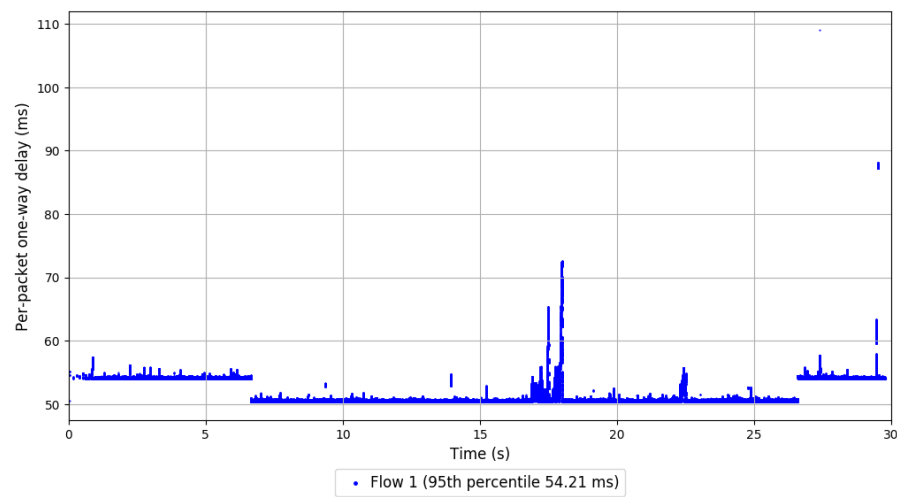
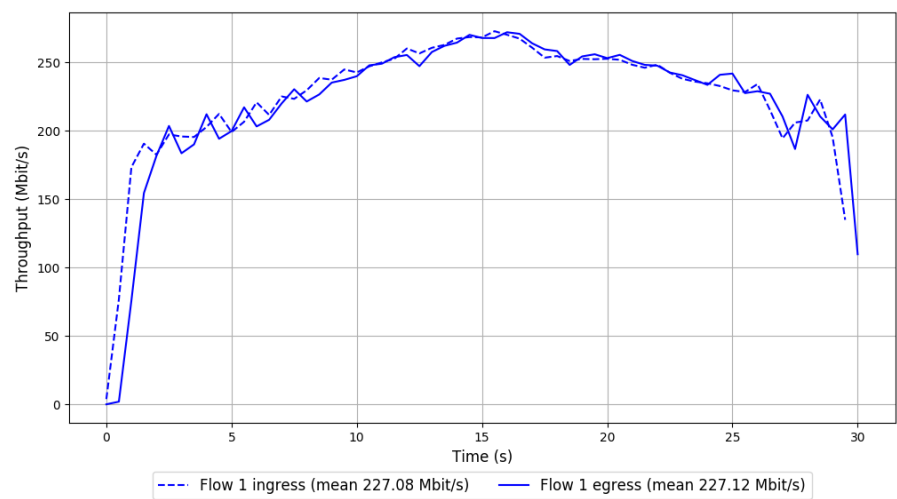


Run 2: Statistics of Indigo

Start at: 2018-07-12 11:35:53
End at: 2018-07-12 11:36:23
Local clock offset: 0.127 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.12 Mbit/s
95th percentile per-packet one-way delay: 54.214 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 227.12 Mbit/s
95th percentile per-packet one-way delay: 54.214 ms
Loss rate: 0.33%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-12 11:57:52

End at: 2018-07-12 11:58:22

Local clock offset: 0.021 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-12 15:46:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 53.612 ms

Loss rate: 0.33%

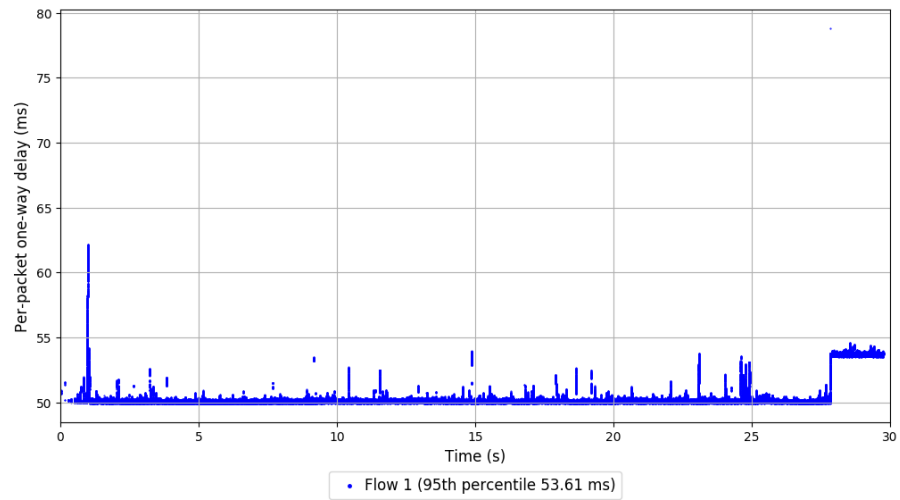
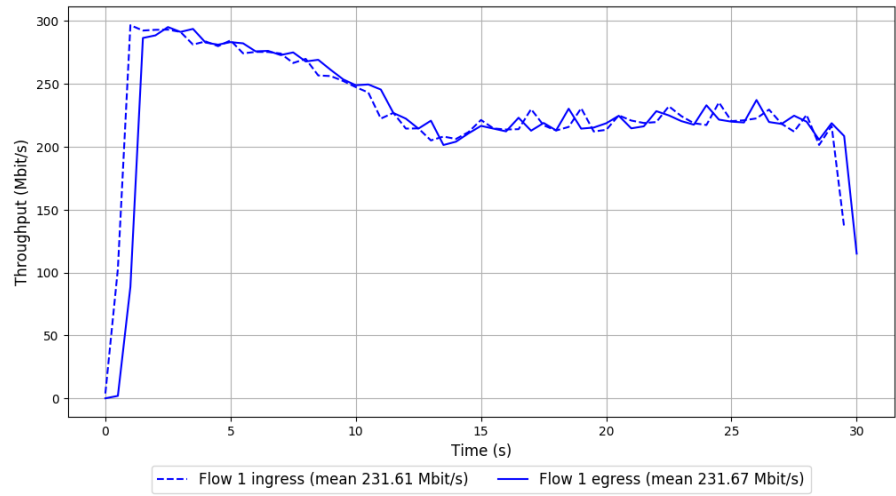
-- Flow 1:

Average throughput: 231.67 Mbit/s

95th percentile per-packet one-way delay: 53.612 ms

Loss rate: 0.33%

Run 3: Report of Indigo — Data Link

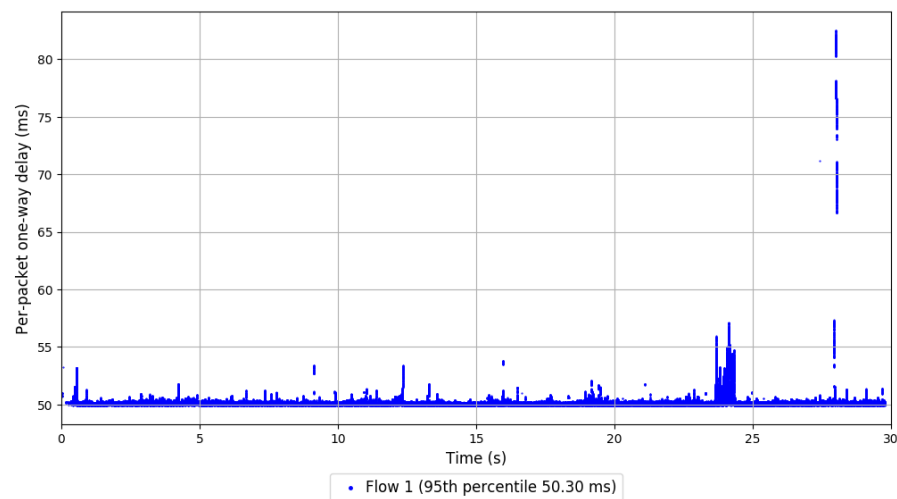
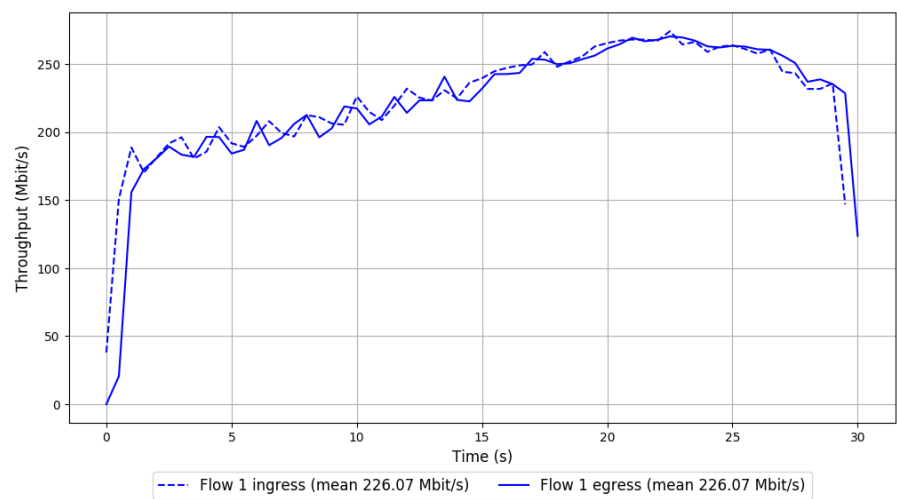


Run 4: Statistics of Indigo

Start at: 2018-07-12 12:19:50
End at: 2018-07-12 12:20:20
Local clock offset: -0.094 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.07 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 226.07 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 0.35%

Run 4: Report of Indigo — Data Link

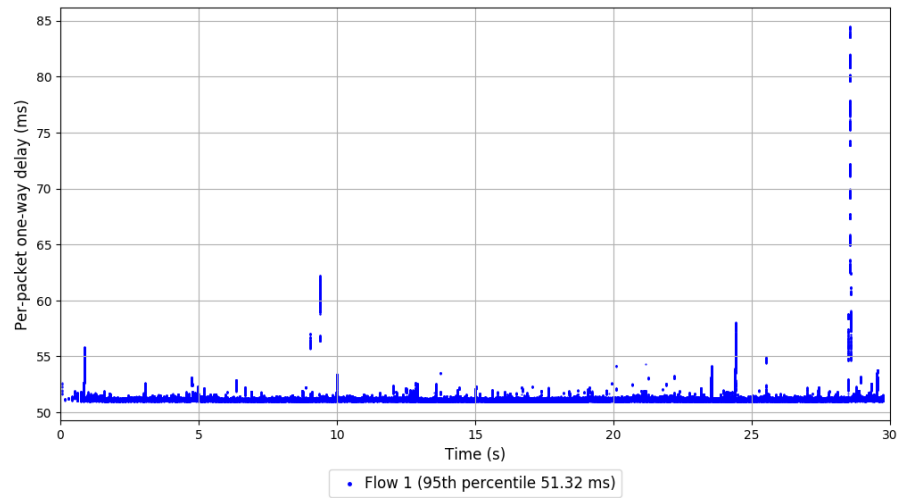
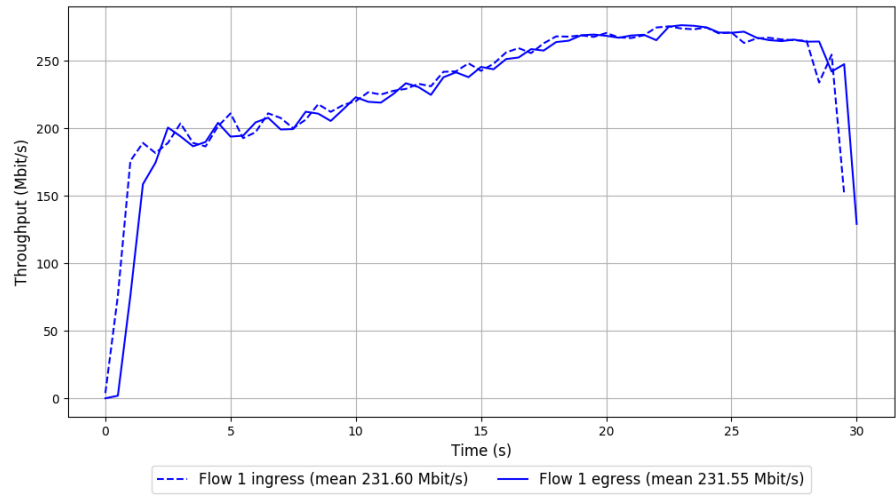


Run 5: Statistics of Indigo

Start at: 2018-07-12 12:41:40
End at: 2018-07-12 12:42:10
Local clock offset: -0.21 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.55 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 231.55 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.36%

Run 5: Report of Indigo — Data Link

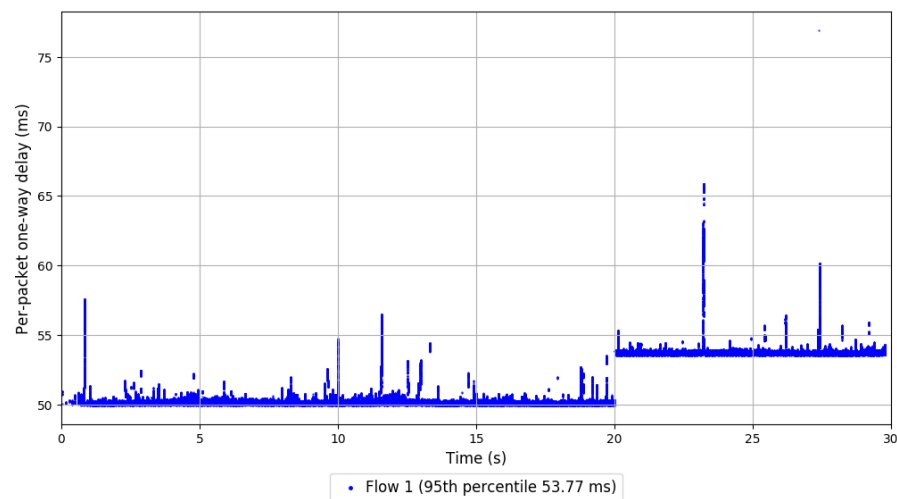
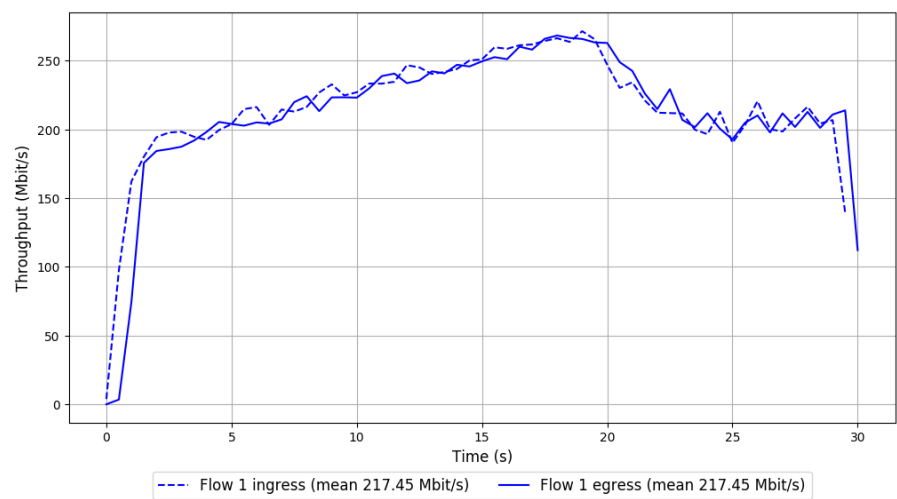


Run 6: Statistics of Indigo

Start at: 2018-07-12 13:03:39
End at: 2018-07-12 13:04:09
Local clock offset: -0.154 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-07-12 15:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.45 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 217.45 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.34%

Run 6: Report of Indigo — Data Link

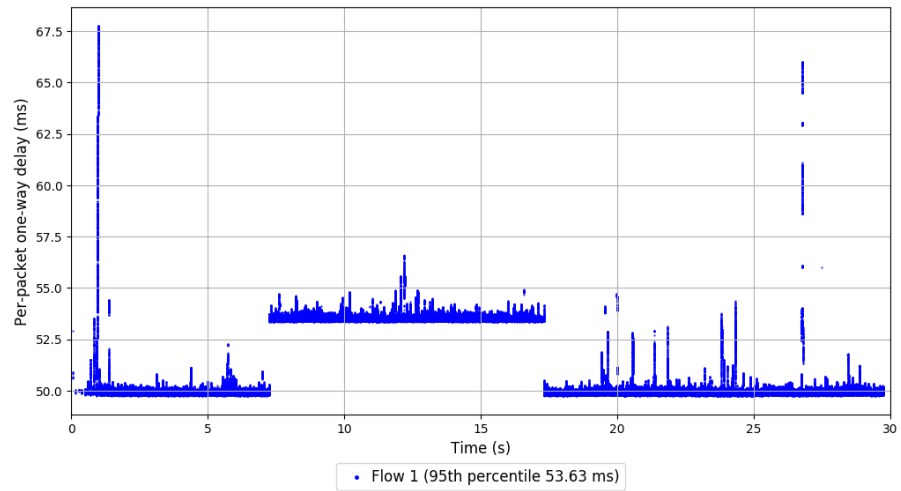
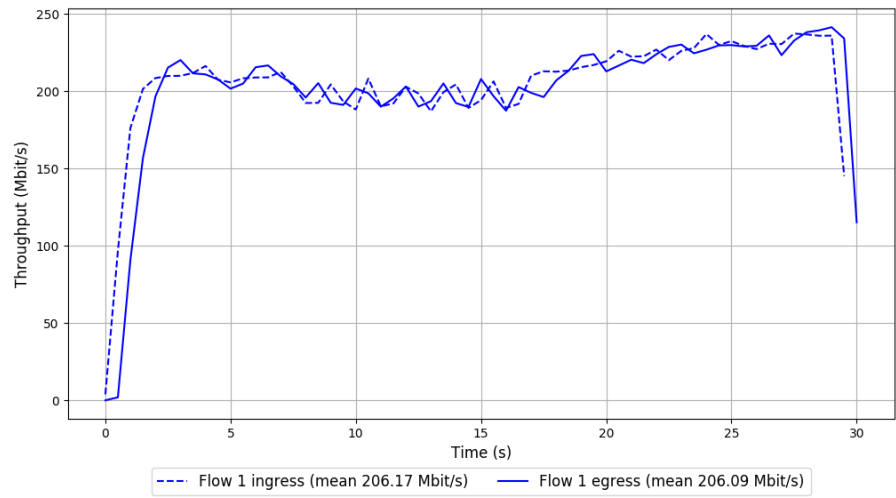


Run 7: Statistics of Indigo

Start at: 2018-07-12 13:25:22
End at: 2018-07-12 13:25:52
Local clock offset: -0.112 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-12 15:46:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.09 Mbit/s
95th percentile per-packet one-way delay: 53.630 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 206.09 Mbit/s
95th percentile per-packet one-way delay: 53.630 ms
Loss rate: 0.40%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-12 13:46:56

End at: 2018-07-12 13:47:26

Local clock offset: -0.018 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-07-12 15:47:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.98 Mbit/s

95th percentile per-packet one-way delay: 53.617 ms

Loss rate: 0.38%

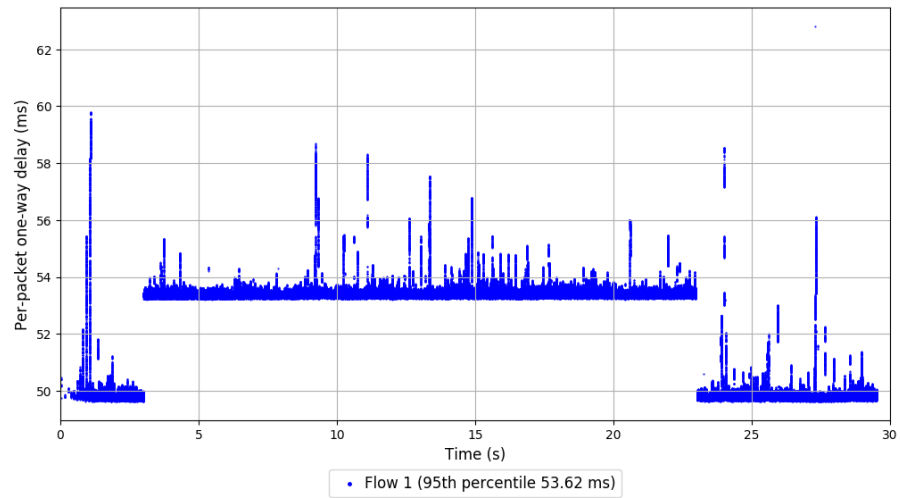
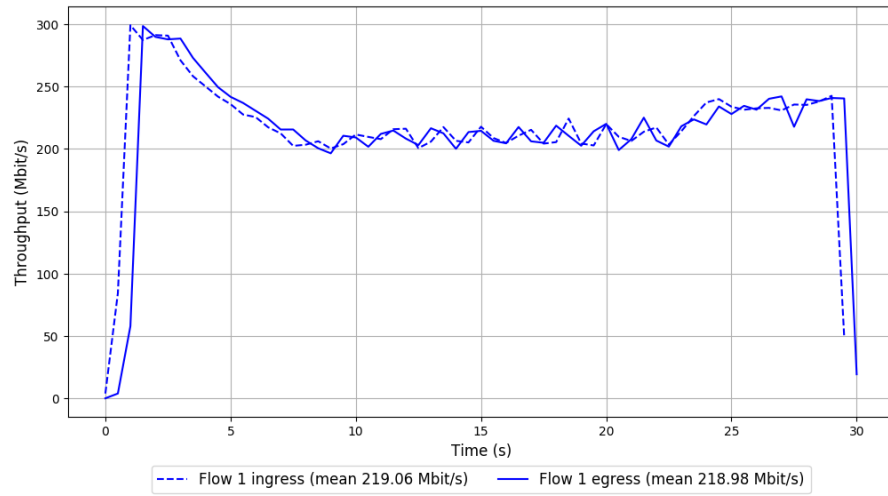
-- Flow 1:

Average throughput: 218.98 Mbit/s

95th percentile per-packet one-way delay: 53.617 ms

Loss rate: 0.38%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-12 14:08:48

End at: 2018-07-12 14:09:18

Local clock offset: -0.17 ms

Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-12 15:47:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.52 Mbit/s

95th percentile per-packet one-way delay: 53.638 ms

Loss rate: 0.36%

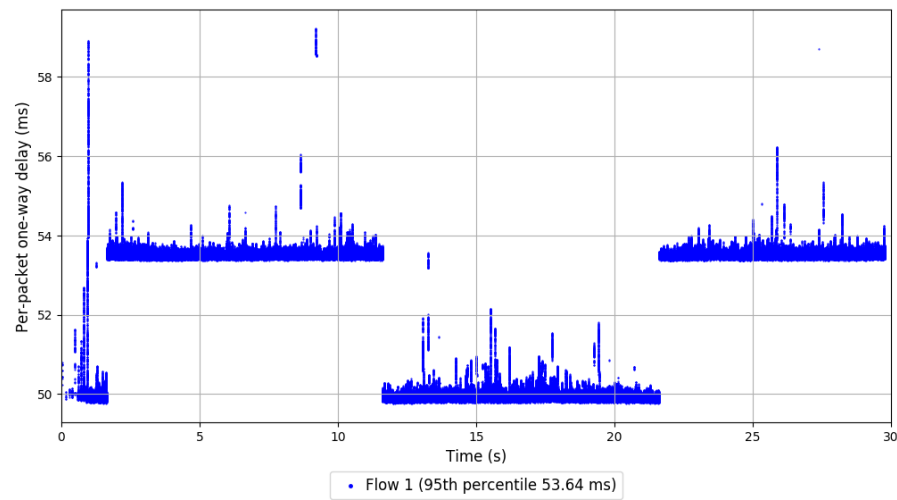
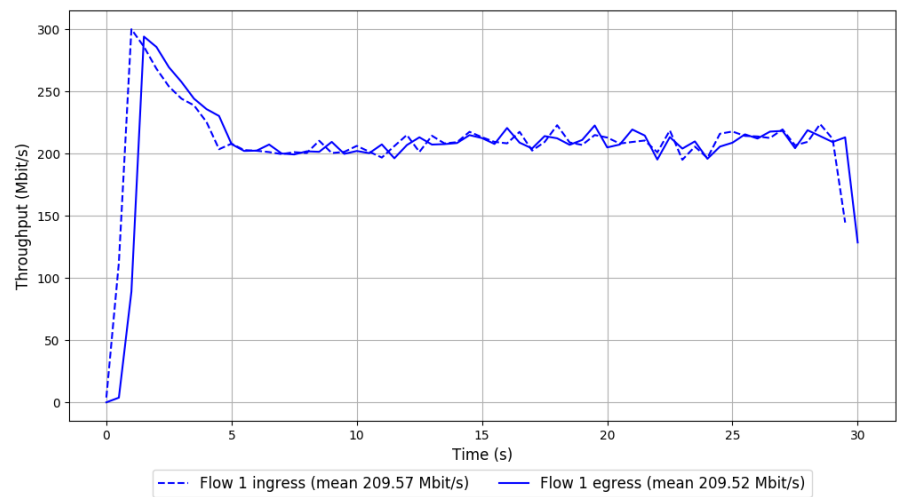
-- Flow 1:

Average throughput: 209.52 Mbit/s

95th percentile per-packet one-way delay: 53.638 ms

Loss rate: 0.36%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

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

End at: 2018-07-12 14:30:37

Local clock offset: 0.22 ms

Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-12 15:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 53.970 ms

Loss rate: 0.40%

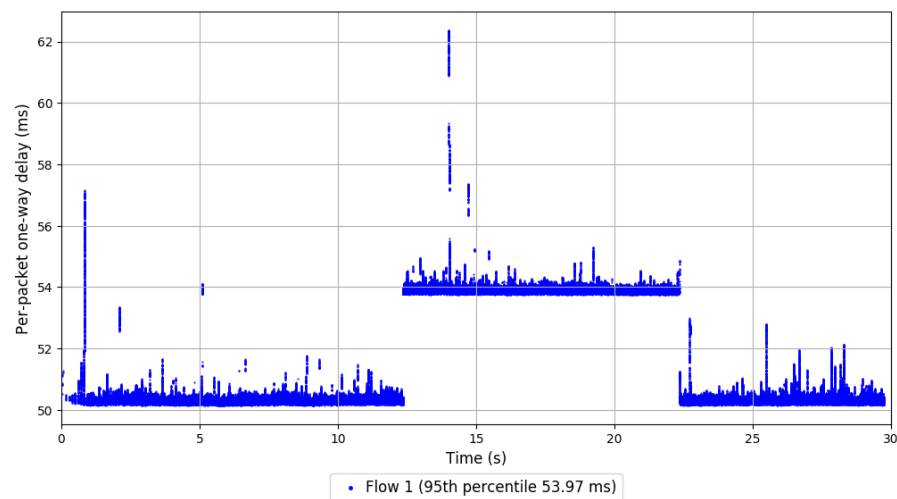
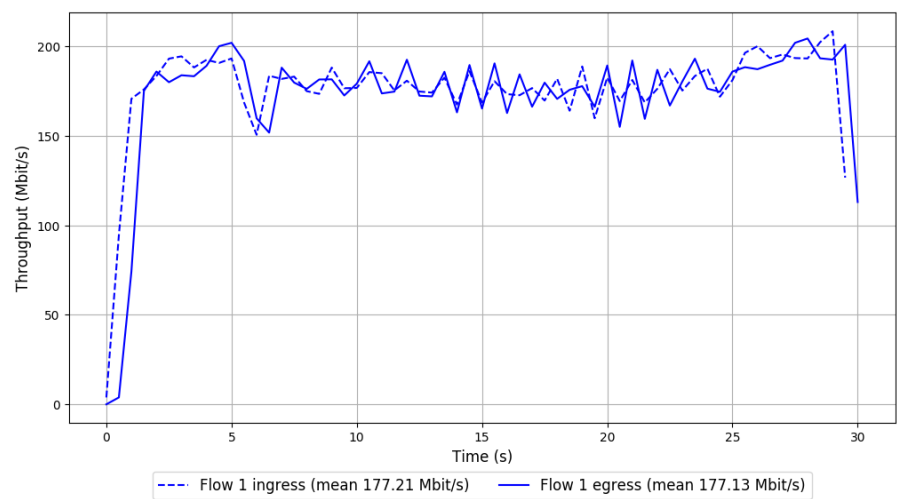
-- Flow 1:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 53.970 ms

Loss rate: 0.40%

Run 10: Report of Indigo — Data Link

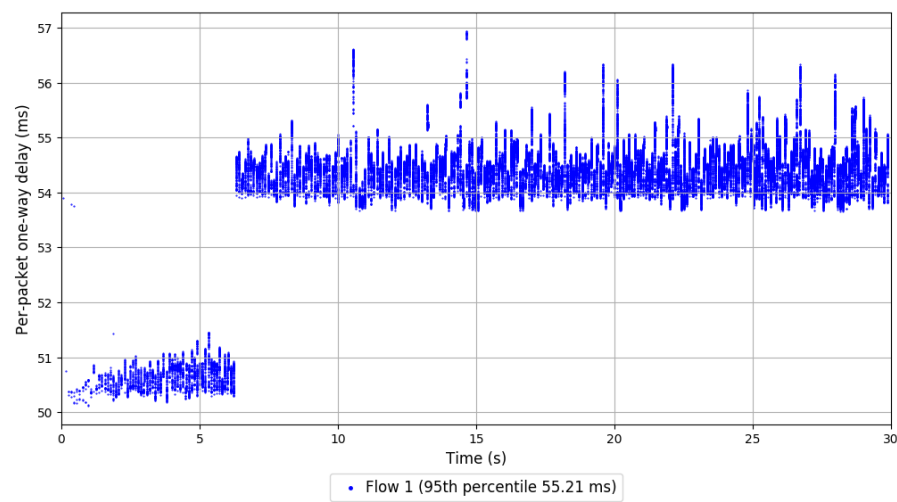
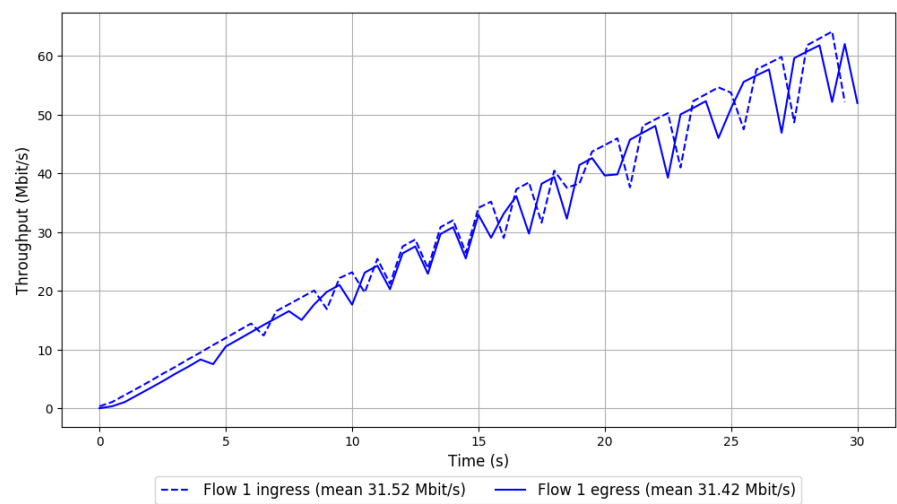


Run 1: Statistics of LEDBAT

Start at: 2018-07-12 11:04:53
End at: 2018-07-12 11:05:23
Local clock offset: -0.032 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-12 15:47:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 55.211 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 55.211 ms
Loss rate: 0.69%

Run 1: Report of LEDBAT — Data Link

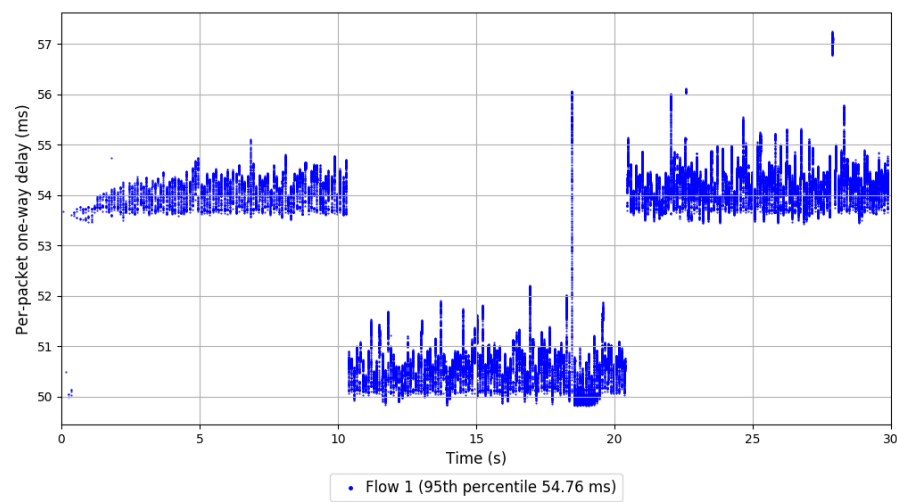
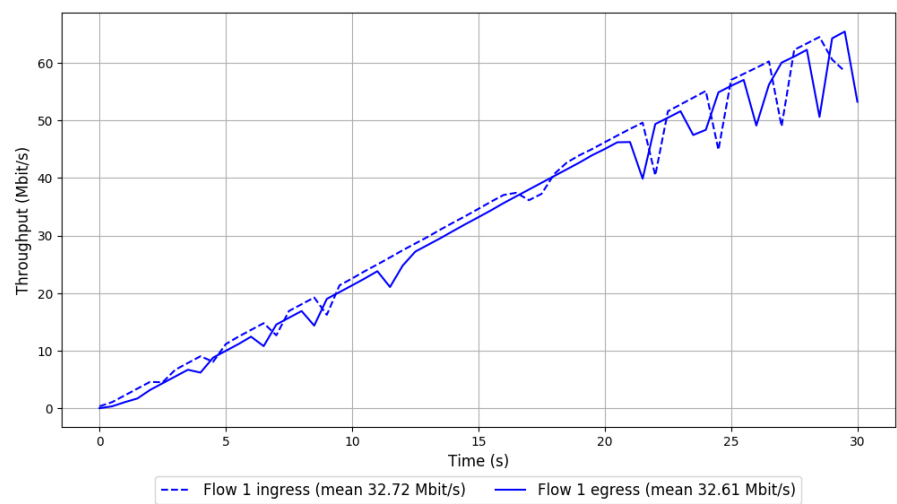


Run 2: Statistics of LEDBAT

Start at: 2018-07-12 11:26:39
End at: 2018-07-12 11:27:09
Local clock offset: -0.074 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-12 15:47:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 54.760 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 54.760 ms
Loss rate: 0.69%

Run 2: Report of LEDBAT — Data Link

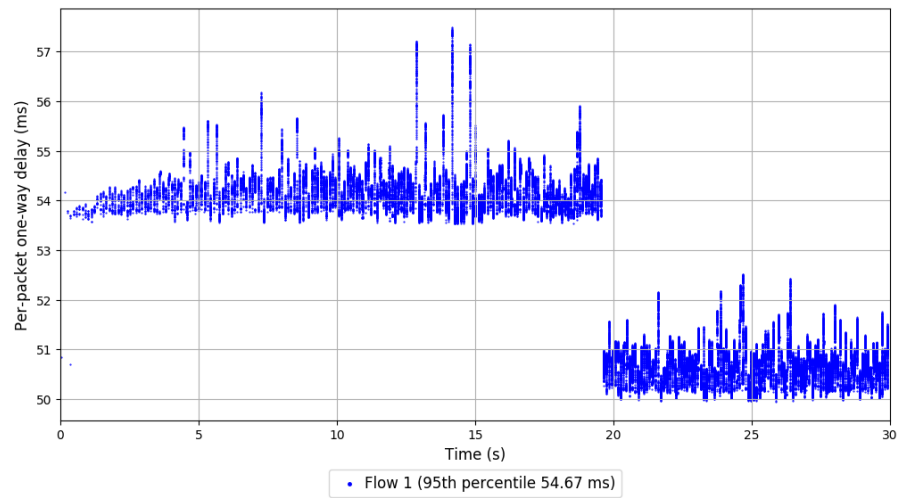
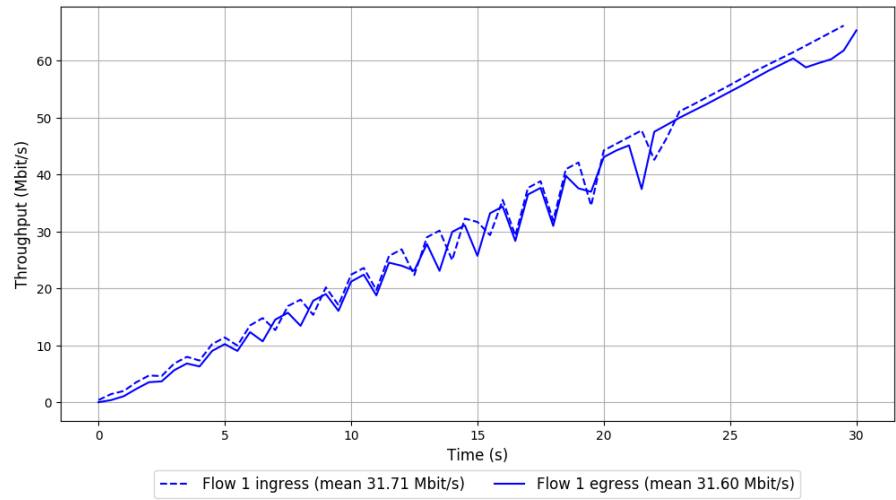


Run 3: Statistics of LEDBAT

Start at: 2018-07-12 11:48:30
End at: 2018-07-12 11:49:00
Local clock offset: -0.143 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-12 15:47:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 54.669 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 54.669 ms
Loss rate: 0.70%

Run 3: Report of LEDBAT — Data Link

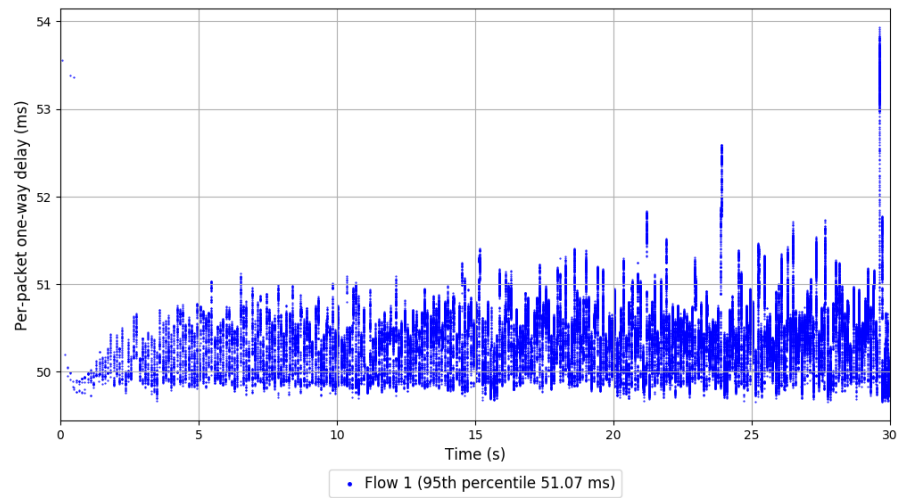
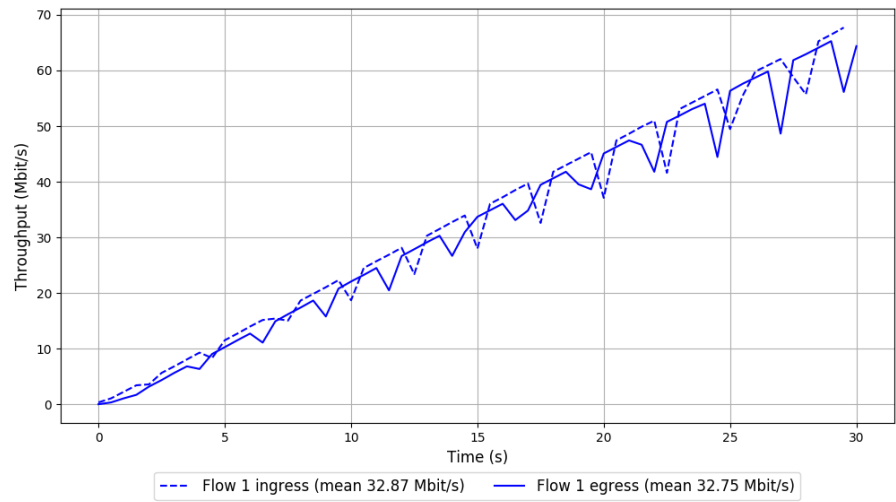


Run 4: Statistics of LEDBAT

Start at: 2018-07-12 12:10:35
End at: 2018-07-12 12:11:05
Local clock offset: -0.265 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-12 15:47:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 0.69%

Run 4: Report of LEDBAT — Data Link

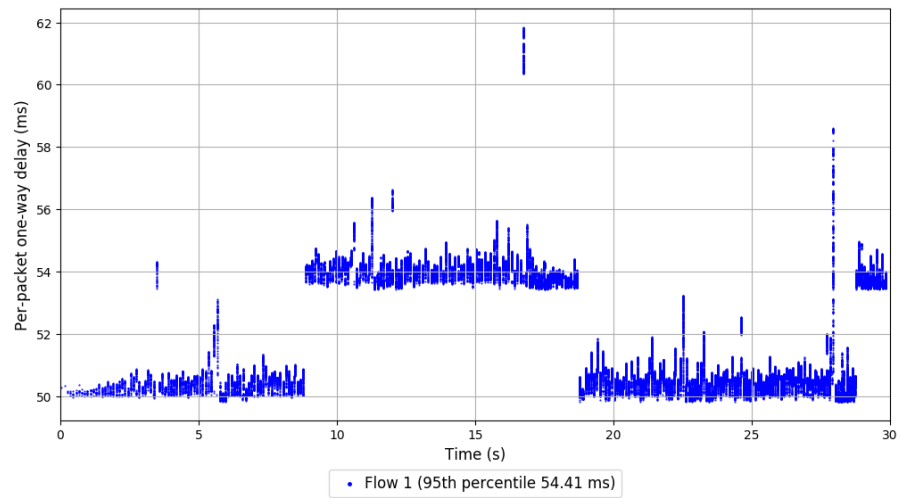
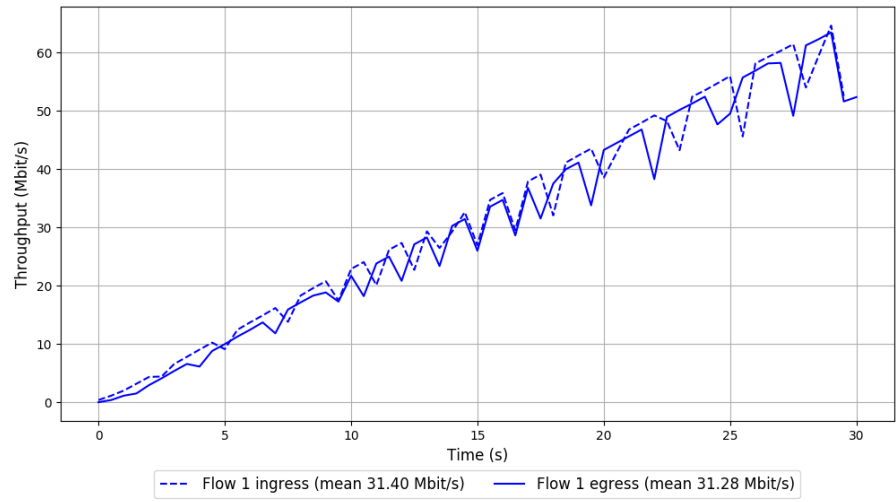


Run 5: Statistics of LEDBAT

Start at: 2018-07-12 12:32:31
End at: 2018-07-12 12:33:01
Local clock offset: -0.092 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-12 15:47:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 54.409 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 54.409 ms
Loss rate: 0.70%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-12 12:54:22

End at: 2018-07-12 12:54:52

Local clock offset: -0.115 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-12 15:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 54.722 ms

Loss rate: 0.69%

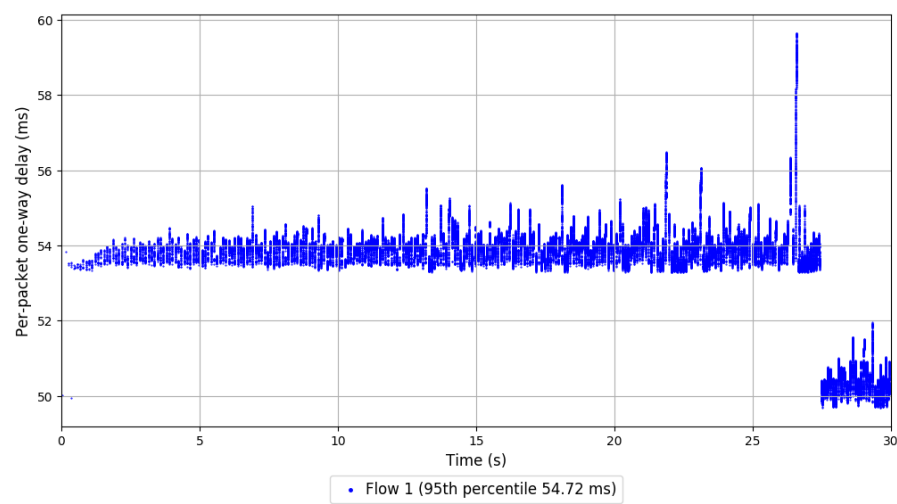
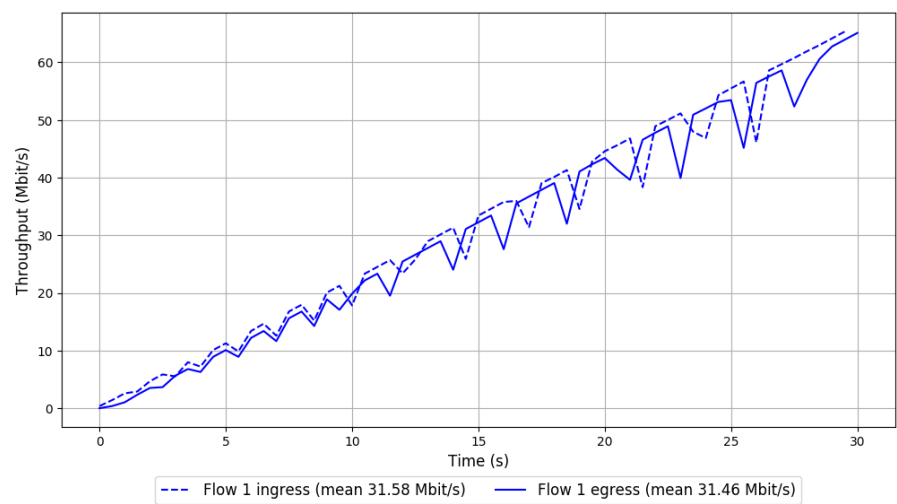
-- Flow 1:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 54.722 ms

Loss rate: 0.69%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-12 13:16:21

End at: 2018-07-12 13:16:52

Local clock offset: -0.01 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-12 15:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.25 Mbit/s

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

Loss rate: 0.23%

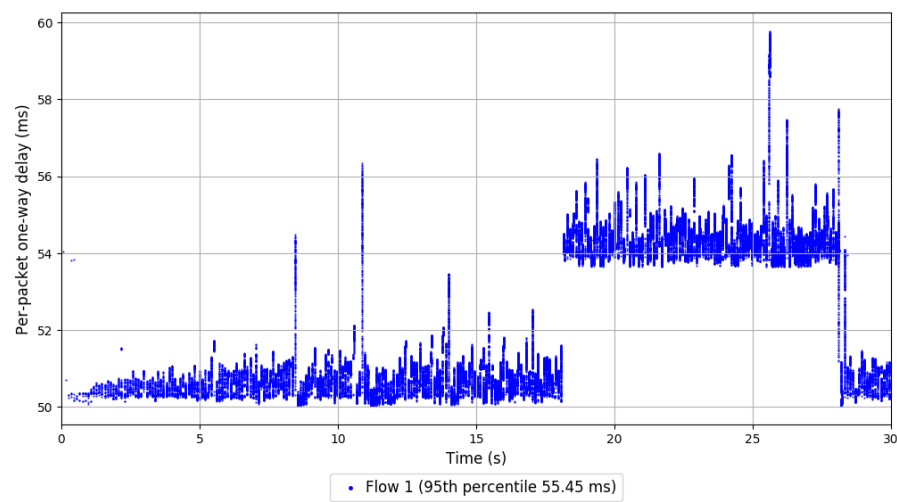
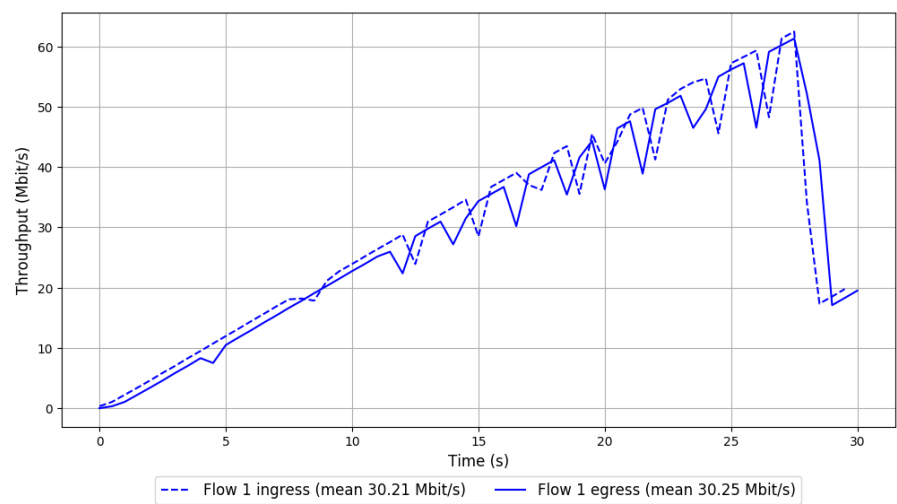
-- Flow 1:

Average throughput: 30.25 Mbit/s

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

Loss rate: 0.23%

Run 7: Report of LEDBAT — Data Link

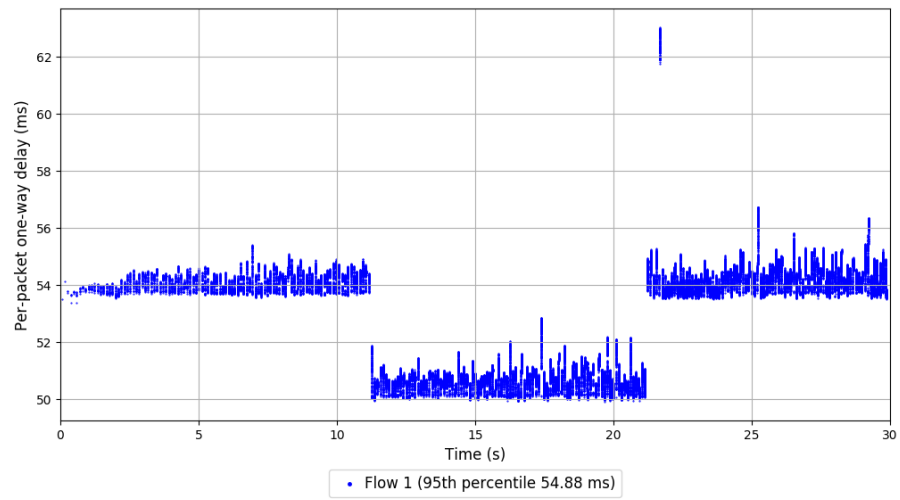
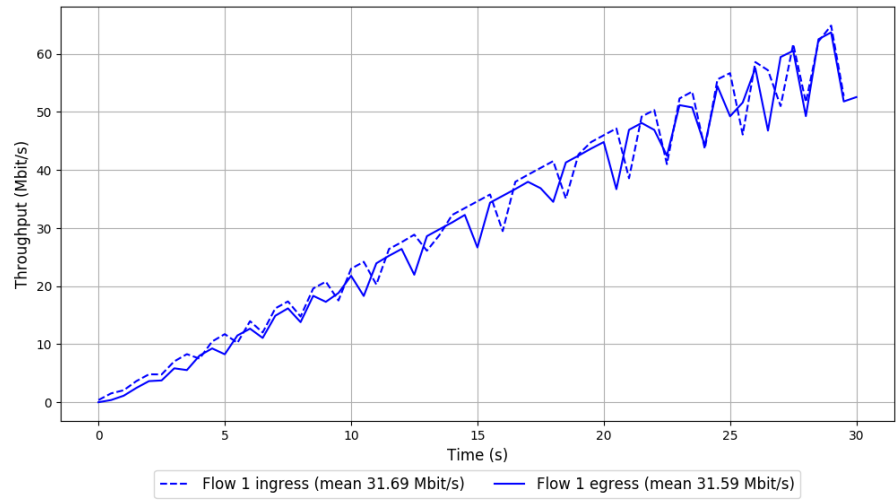


Run 8: Statistics of LEDBAT

Start at: 2018-07-12 13:37:58
End at: 2018-07-12 13:38:28
Local clock offset: -0.033 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-12 15:47:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 54.884 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 54.884 ms
Loss rate: 0.70%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-12 13:59:41

End at: 2018-07-12 14:00:11

Local clock offset: -0.203 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-07-12 15:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 53.795 ms

Loss rate: 0.67%

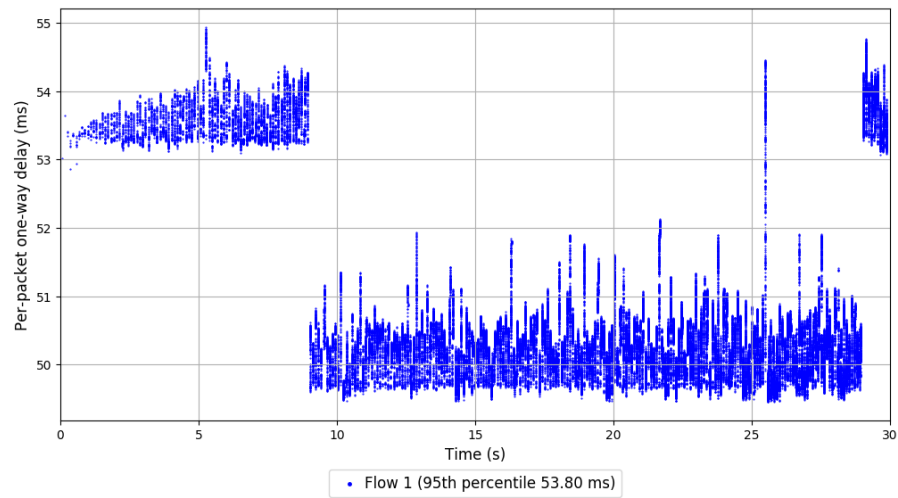
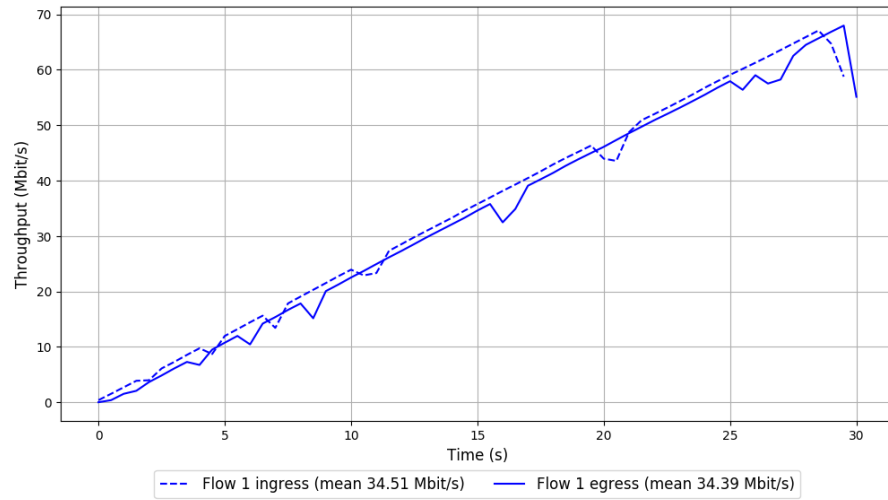
-- Flow 1:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 53.795 ms

Loss rate: 0.67%

Run 9: Report of LEDBAT — Data Link

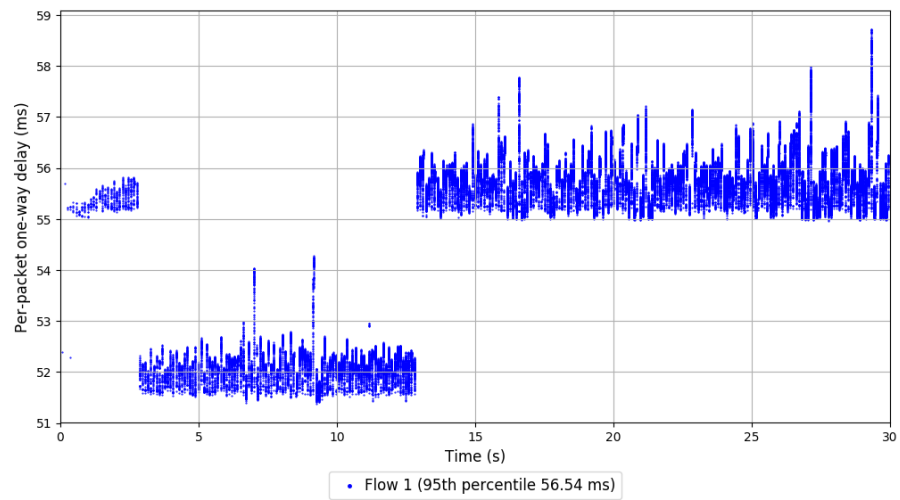
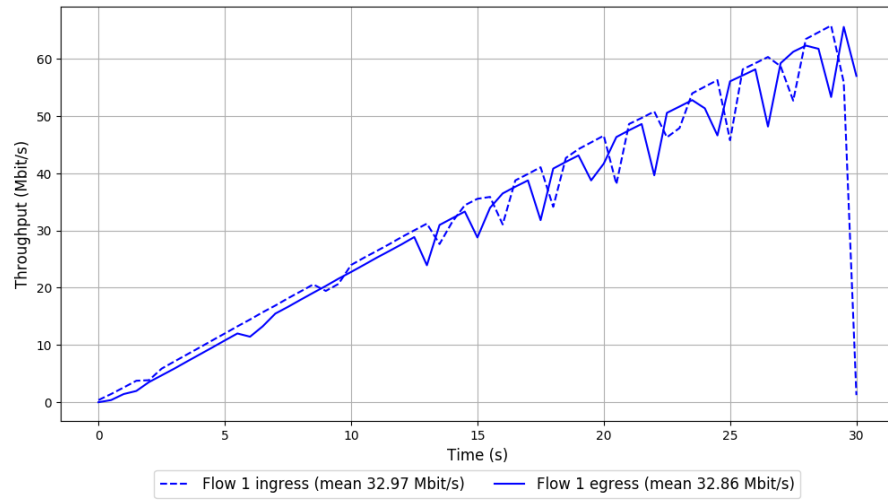


Run 10: Statistics of LEDBAT

Start at: 2018-07-12 14:21:27
End at: 2018-07-12 14:21:57
Local clock offset: 0.07 ms
Remote clock offset: -1.503 ms

Below is generated by plot.py at 2018-07-12 15:47:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 56.540 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 56.540 ms
Loss rate: 0.68%

Run 10: Report of LEDBAT — Data Link

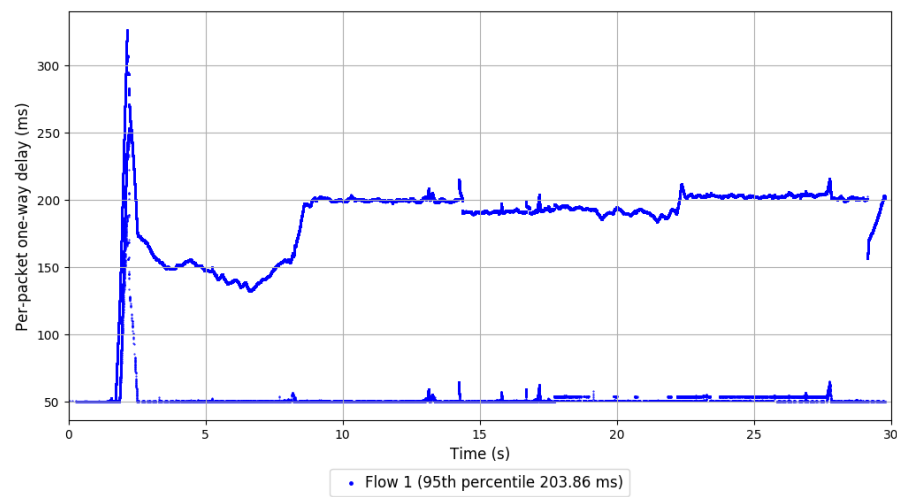
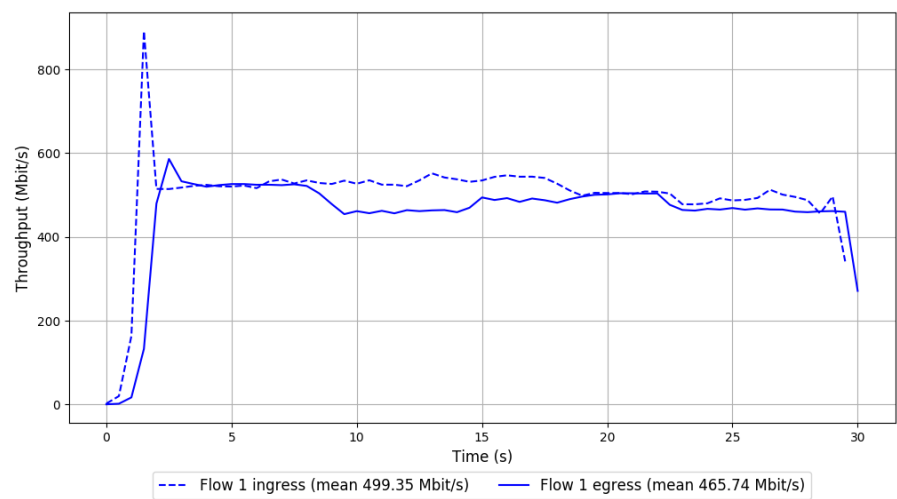


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-12 11:07:12
End at: 2018-07-12 11:07:42
Local clock offset: 0.052 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-07-12 15:54:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 465.74 Mbit/s
95th percentile per-packet one-way delay: 203.856 ms
Loss rate: 7.06%
-- Flow 1:
Average throughput: 465.74 Mbit/s
95th percentile per-packet one-way delay: 203.856 ms
Loss rate: 7.06%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-12 11:29:03

End at: 2018-07-12 11:29:33

Local clock offset: 0.111 ms

Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-12 15:54:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.22 Mbit/s

95th percentile per-packet one-way delay: 81.887 ms

Loss rate: 0.44%

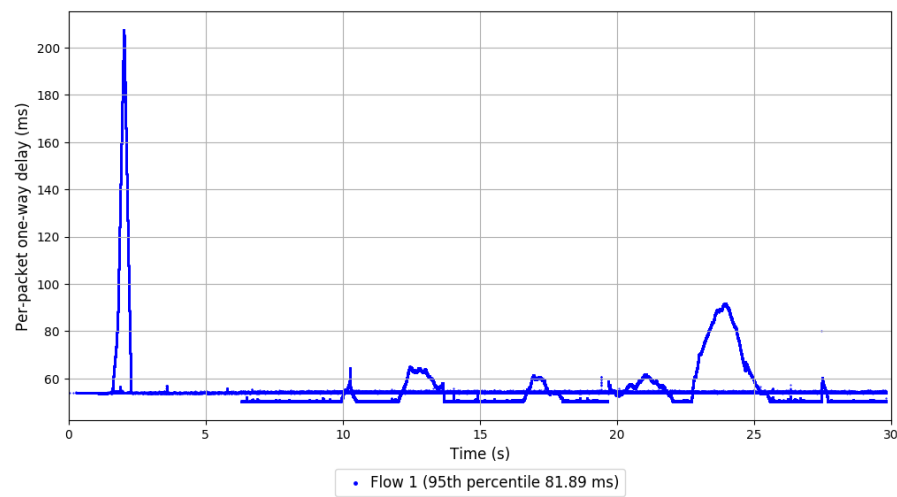
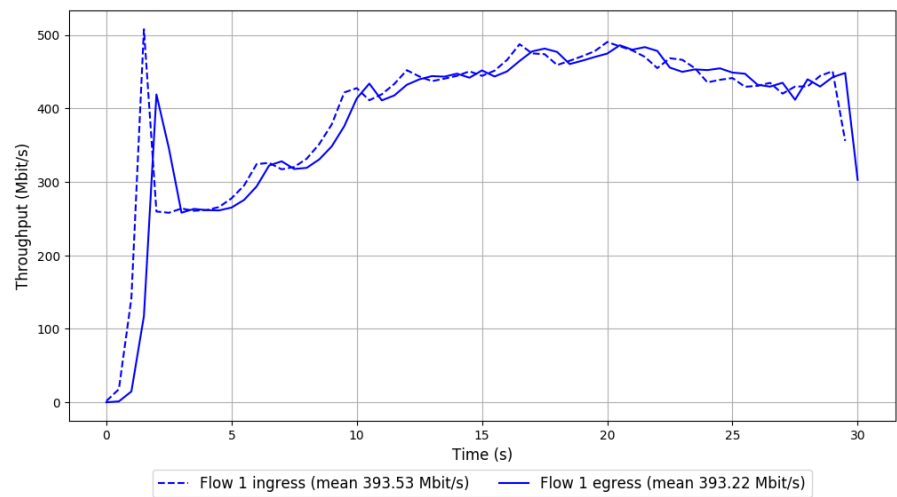
-- Flow 1:

Average throughput: 393.22 Mbit/s

95th percentile per-packet one-way delay: 81.887 ms

Loss rate: 0.44%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-12 11:50:54

End at: 2018-07-12 11:51:24

Local clock offset: -0.155 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-07-12 15:54:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.93 Mbit/s

95th percentile per-packet one-way delay: 205.622 ms

Loss rate: 2.87%

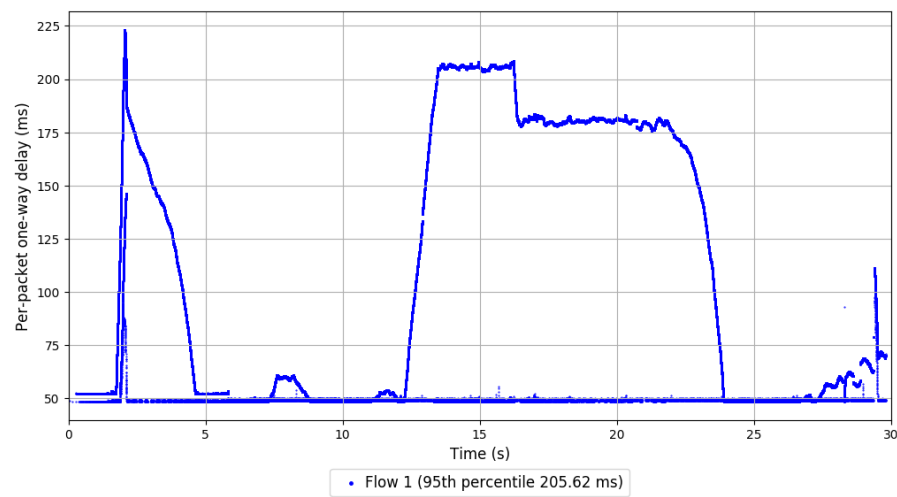
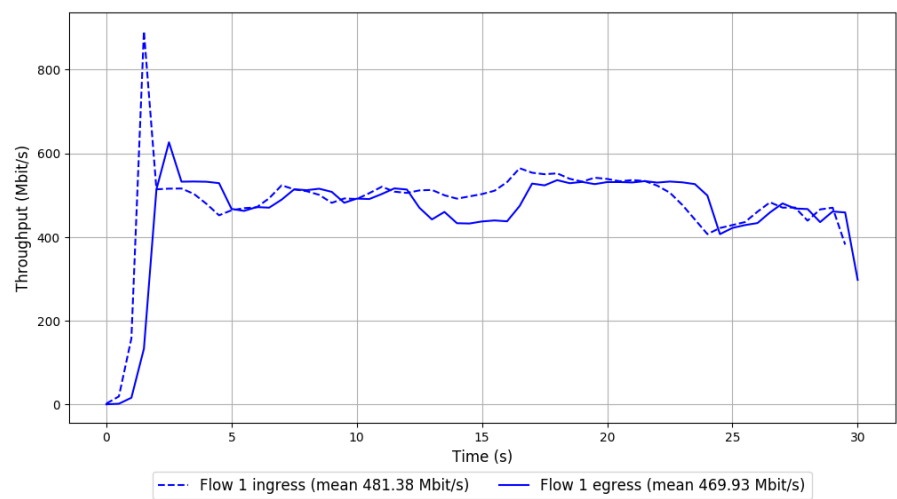
-- Flow 1:

Average throughput: 469.93 Mbit/s

95th percentile per-packet one-way delay: 205.622 ms

Loss rate: 2.87%

Run 3: Report of PCC-Allegro — Data Link

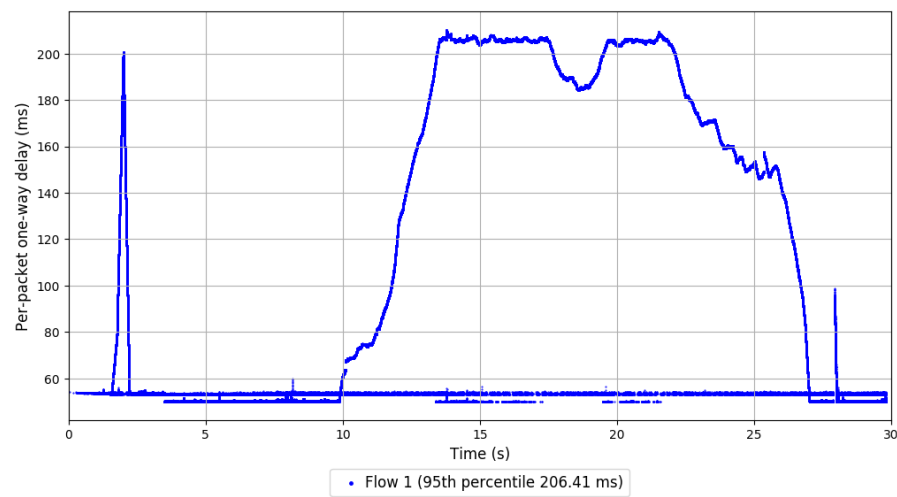
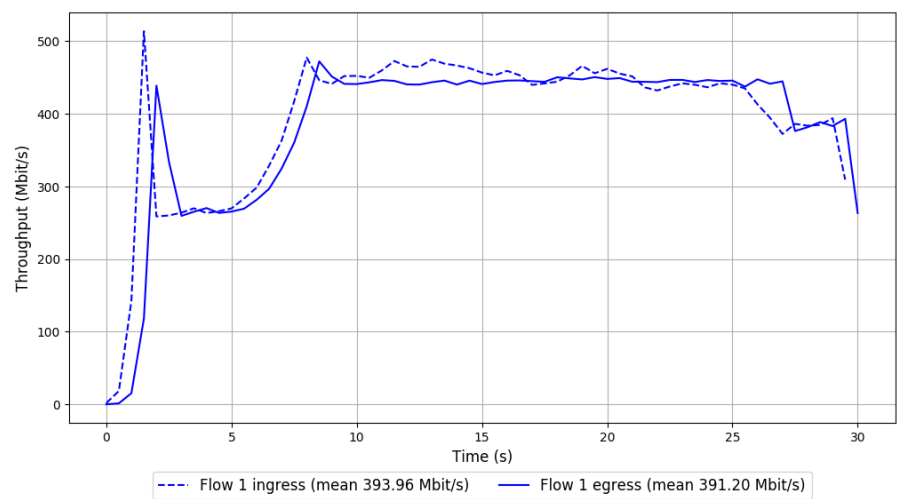


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-12 12:12:56
End at: 2018-07-12 12:13:26
Local clock offset: -0.139 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-07-12 15:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.20 Mbit/s
95th percentile per-packet one-way delay: 206.405 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 391.20 Mbit/s
95th percentile per-packet one-way delay: 206.405 ms
Loss rate: 1.06%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-12 12:34:53

End at: 2018-07-12 12:35:23

Local clock offset: -0.119 ms

Remote clock offset: 0.892 ms

Below is generated by plot.py at 2018-07-12 15:54:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.90 Mbit/s

95th percentile per-packet one-way delay: 115.649 ms

Loss rate: 0.86%

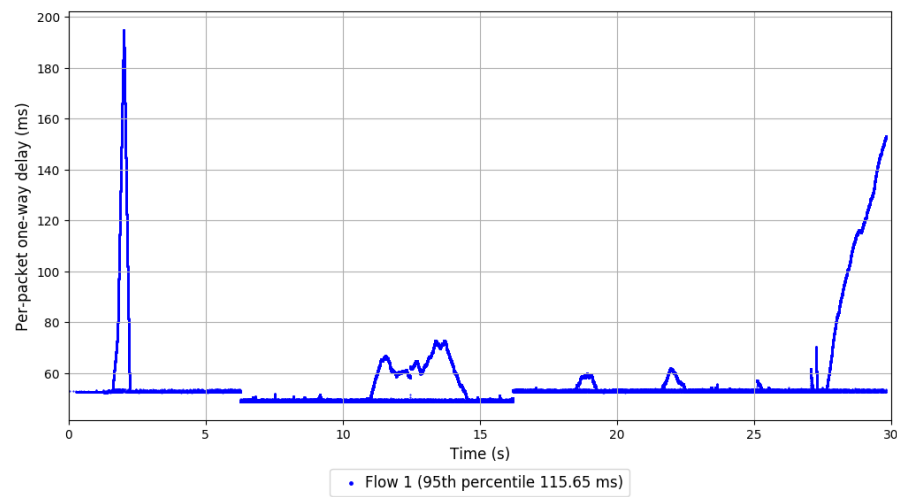
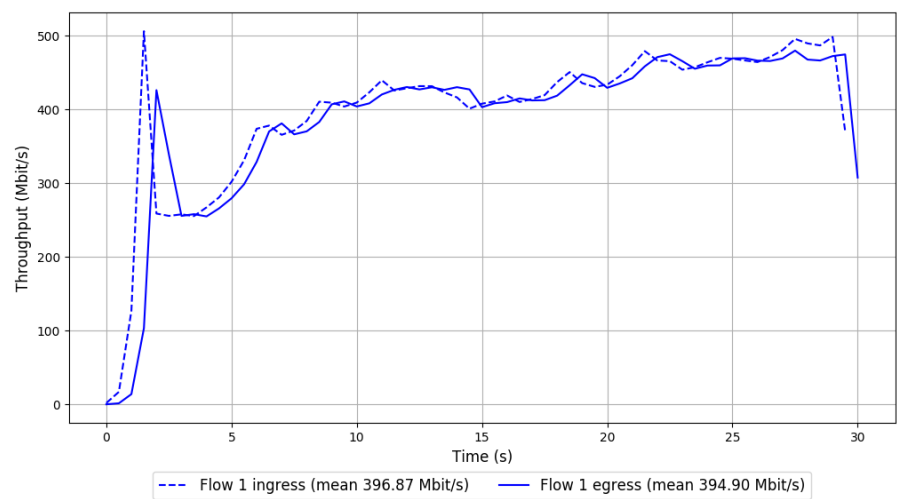
-- Flow 1:

Average throughput: 394.90 Mbit/s

95th percentile per-packet one-way delay: 115.649 ms

Loss rate: 0.86%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-12 12:56:46

End at: 2018-07-12 12:57:16

Local clock offset: -0.073 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-12 15:54:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.16 Mbit/s

95th percentile per-packet one-way delay: 57.558 ms

Loss rate: 0.57%

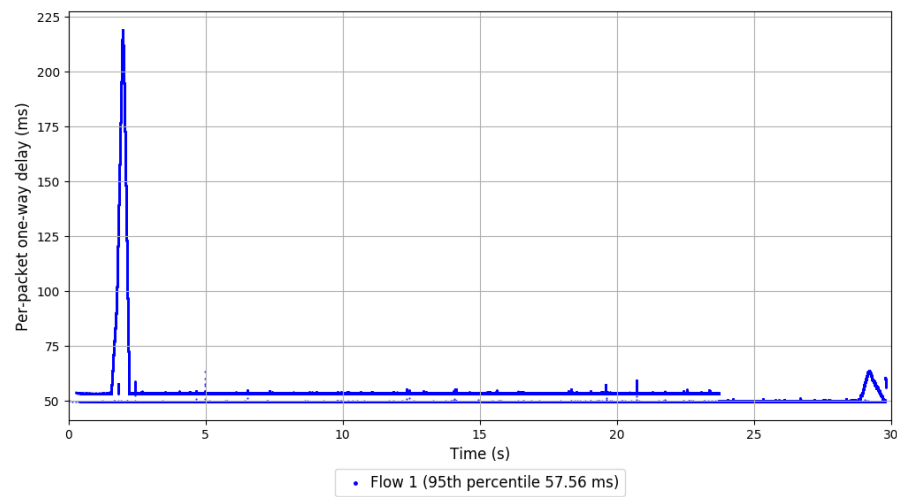
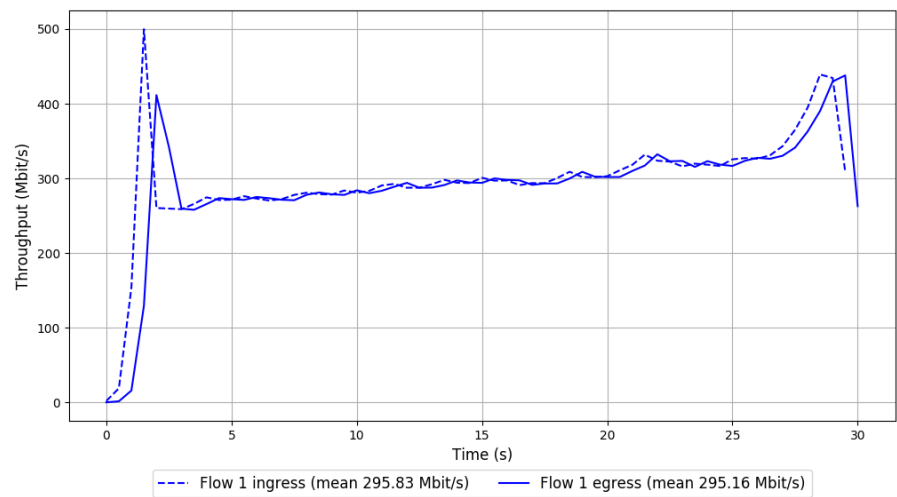
-- Flow 1:

Average throughput: 295.16 Mbit/s

95th percentile per-packet one-way delay: 57.558 ms

Loss rate: 0.57%

Run 6: Report of PCC-Allegro — Data Link

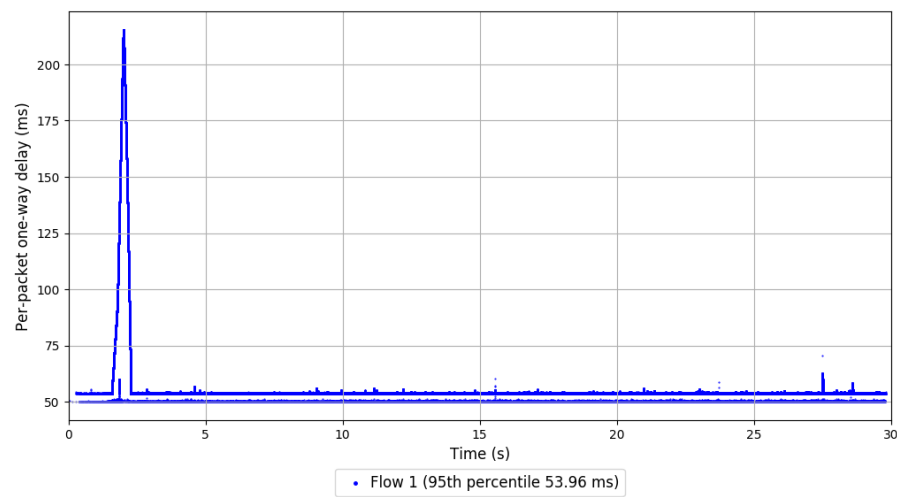
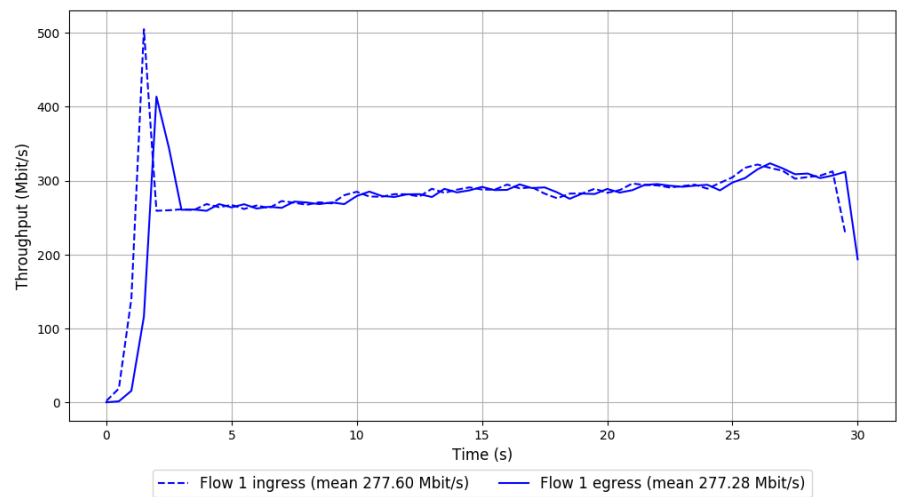


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-12 13:18:37
End at: 2018-07-12 13:19:07
Local clock offset: -0.069 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-07-12 15:54:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.28 Mbit/s
95th percentile per-packet one-way delay: 53.962 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 277.28 Mbit/s
95th percentile per-packet one-way delay: 53.962 ms
Loss rate: 0.46%

Run 7: Report of PCC-Allegro — Data Link

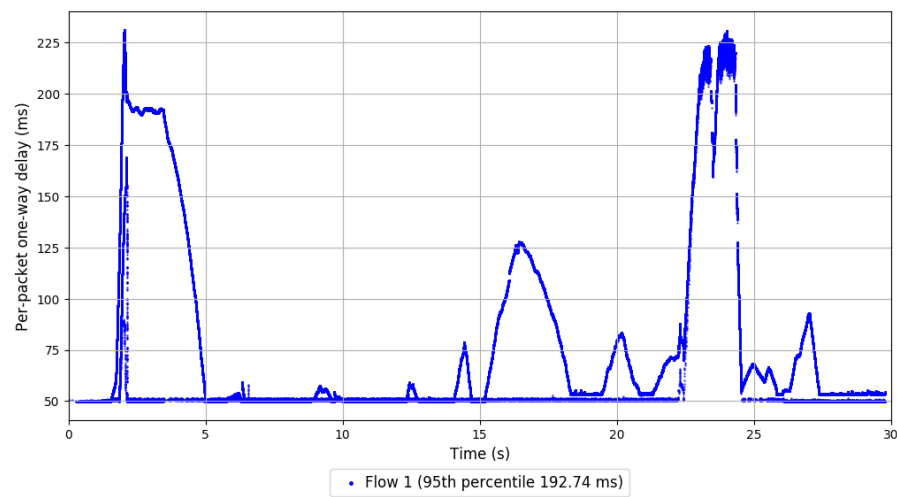
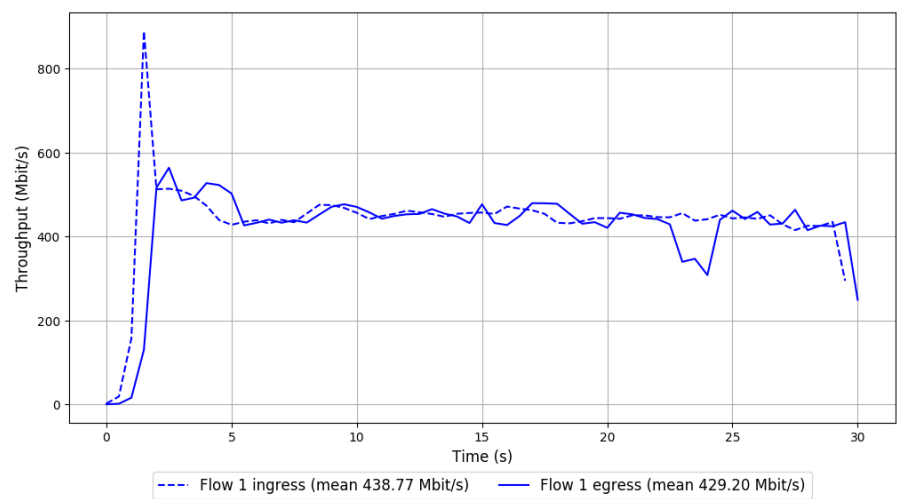


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-12 13:40:13
End at: 2018-07-12 13:40:43
Local clock offset: -0.148 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-12 15:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.20 Mbit/s
95th percentile per-packet one-way delay: 192.737 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 429.20 Mbit/s
95th percentile per-packet one-way delay: 192.737 ms
Loss rate: 2.53%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-12 14:02:05

End at: 2018-07-12 14:02:35

Local clock offset: 0.024 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-12 15:59:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.80 Mbit/s

95th percentile per-packet one-way delay: 207.057 ms

Loss rate: 2.72%

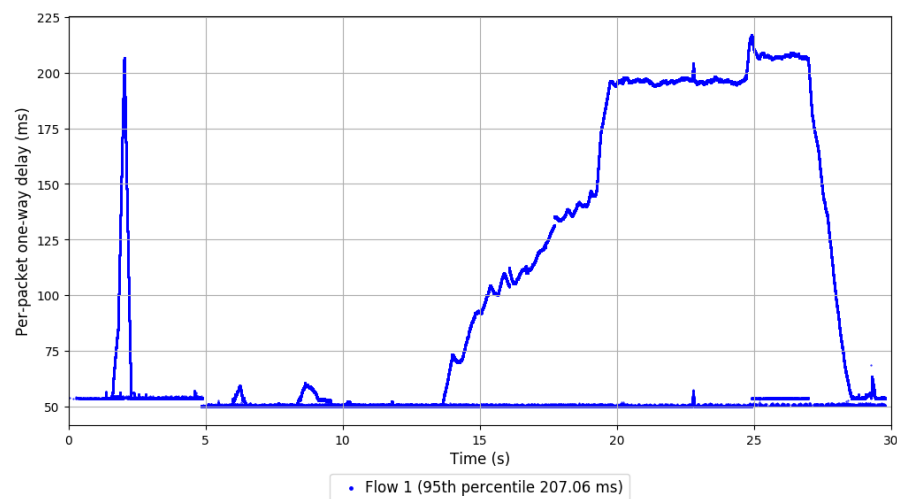
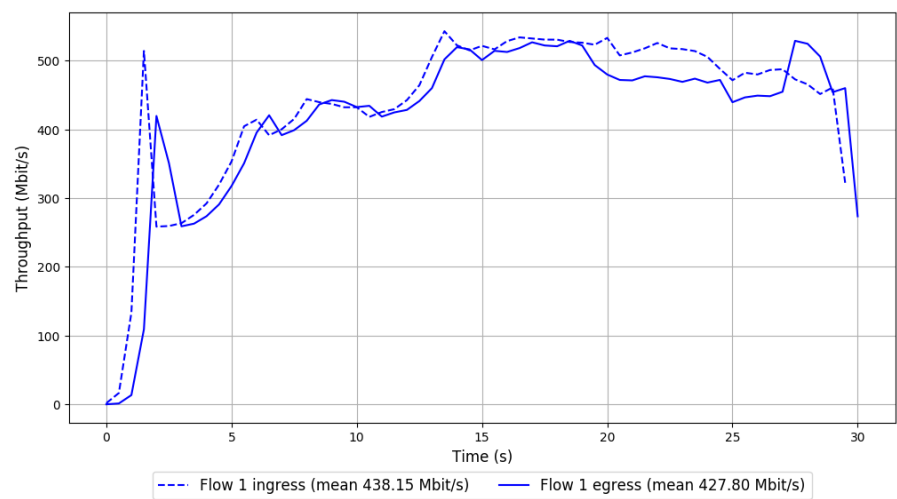
-- Flow 1:

Average throughput: 427.80 Mbit/s

95th percentile per-packet one-way delay: 207.057 ms

Loss rate: 2.72%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-12 14:23:42

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

Local clock offset: 0.21 ms

Remote clock offset: 1.001 ms

Below is generated by plot.py at 2018-07-12 15:59:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.59 Mbit/s

95th percentile per-packet one-way delay: 198.527 ms

Loss rate: 0.47%

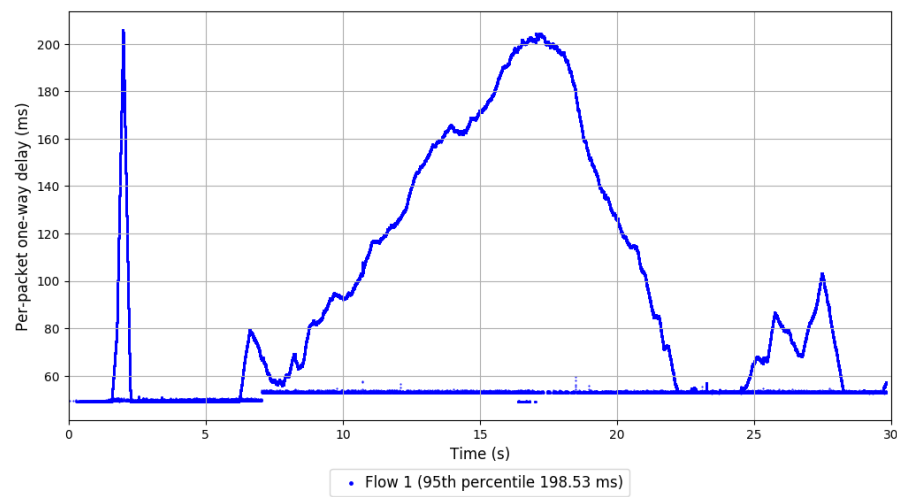
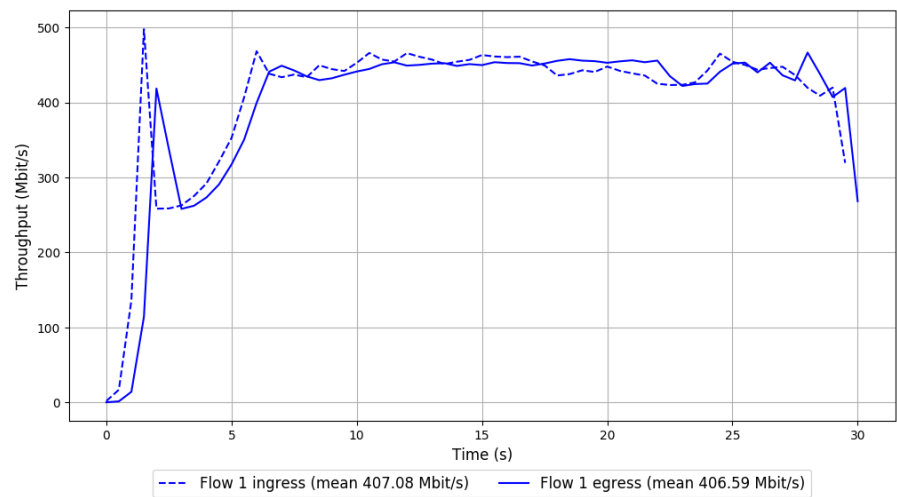
-- Flow 1:

Average throughput: 406.59 Mbit/s

95th percentile per-packet one-way delay: 198.527 ms

Loss rate: 0.47%

Run 10: Report of PCC-Allegro — Data Link

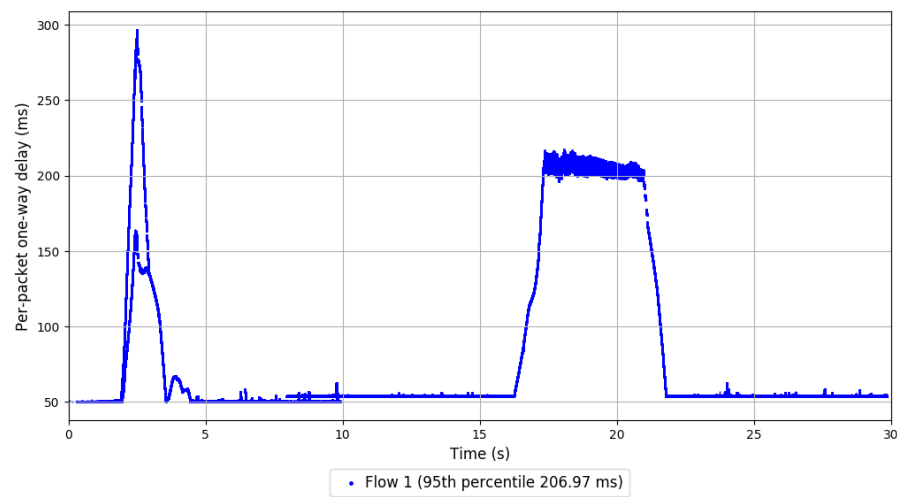
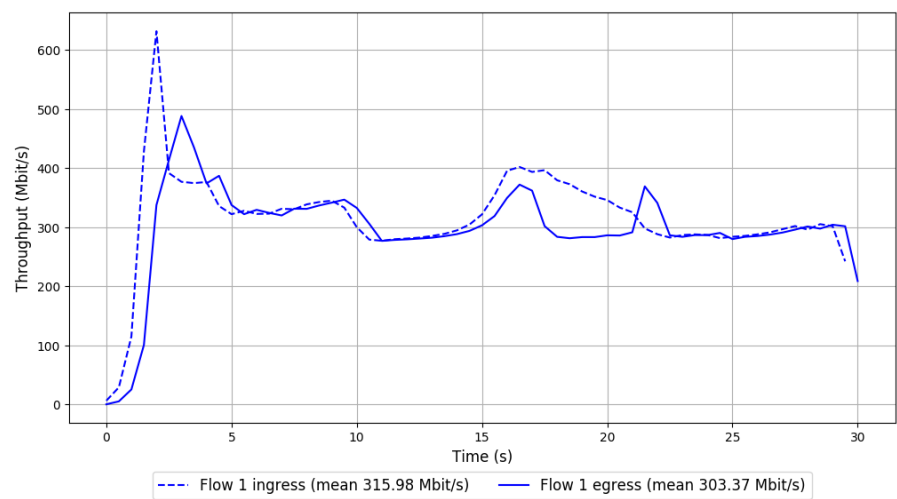


Run 1: Statistics of PCC-Expr

Start at: 2018-07-12 11:12:19
End at: 2018-07-12 11:12:50
Local clock offset: -0.042 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-07-12 16:03:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.37 Mbit/s
95th percentile per-packet one-way delay: 206.967 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 303.37 Mbit/s
95th percentile per-packet one-way delay: 206.967 ms
Loss rate: 4.33%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-12 11:34:24

End at: 2018-07-12 11:34:54

Local clock offset: -0.034 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-07-12 16:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.93 Mbit/s

95th percentile per-packet one-way delay: 173.500 ms

Loss rate: 1.97%

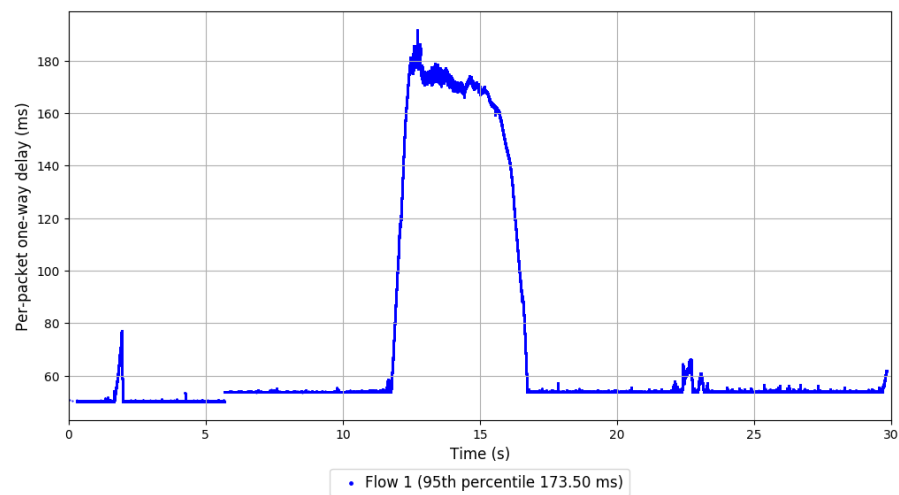
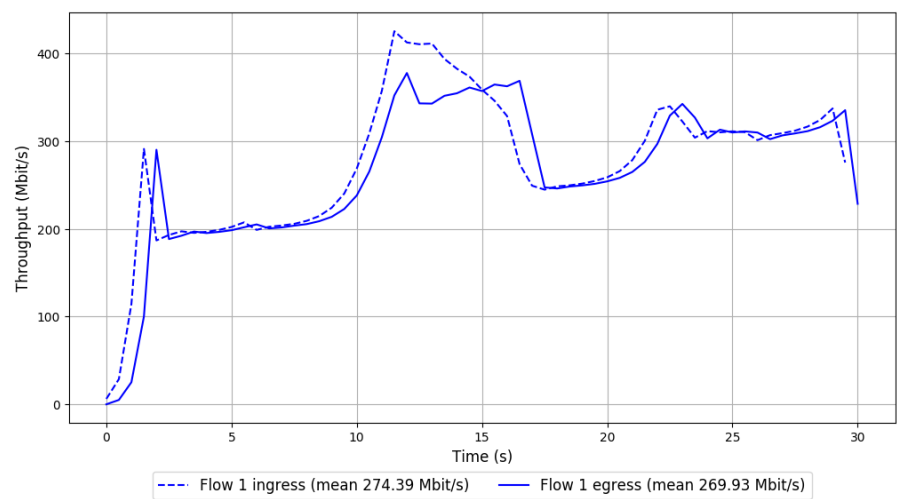
-- Flow 1:

Average throughput: 269.93 Mbit/s

95th percentile per-packet one-way delay: 173.500 ms

Loss rate: 1.97%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-12 11:56:20

End at: 2018-07-12 11:56:50

Local clock offset: -0.035 ms

Remote clock offset: 0.03 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.55 Mbit/s

95th percentile per-packet one-way delay: 158.405 ms

Loss rate: 0.92%

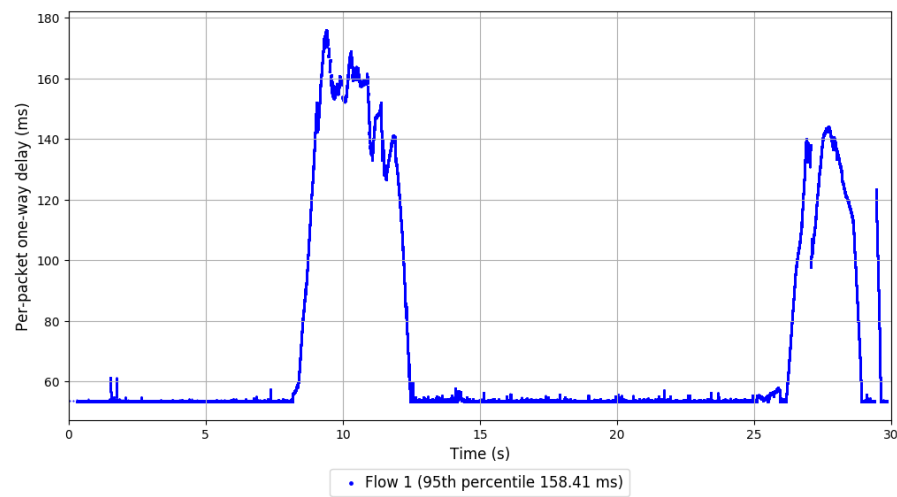
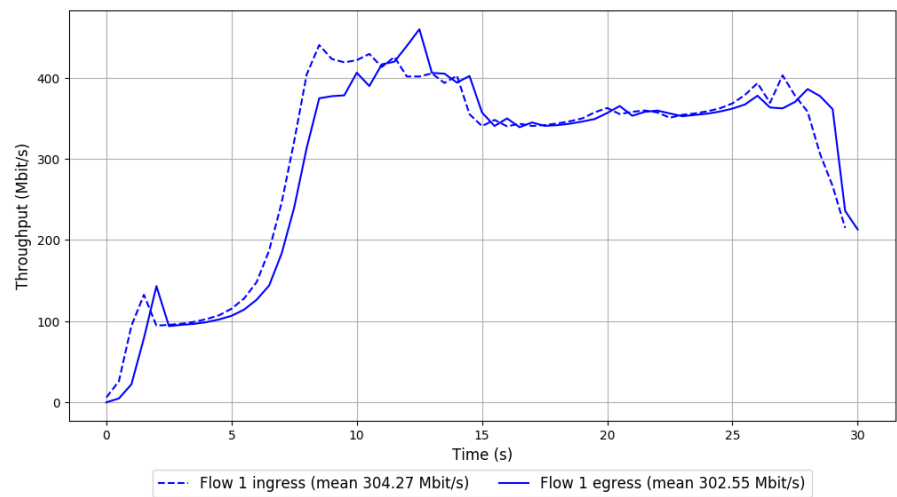
-- Flow 1:

Average throughput: 302.55 Mbit/s

95th percentile per-packet one-way delay: 158.405 ms

Loss rate: 0.92%

Run 3: Report of PCC-Expr — Data Link

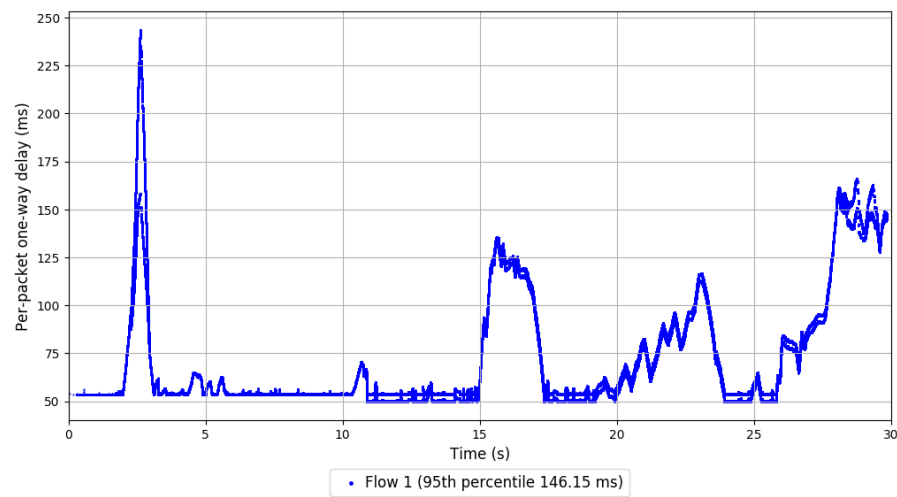
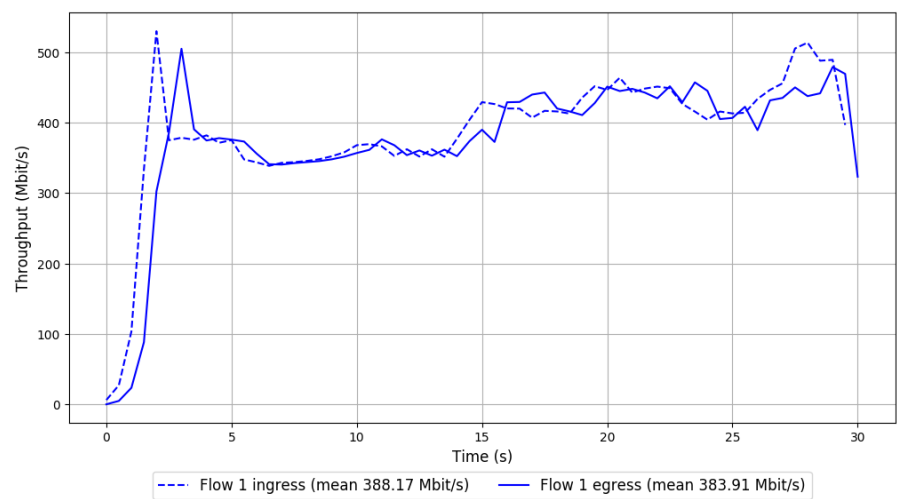


Run 4: Statistics of PCC-Expr

Start at: 2018-07-12 12:18:19
End at: 2018-07-12 12:18:49
Local clock offset: -0.343 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-12 16:07:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.91 Mbit/s
95th percentile per-packet one-way delay: 146.149 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 383.91 Mbit/s
95th percentile per-packet one-way delay: 146.149 ms
Loss rate: 1.46%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-12 12:40:11

End at: 2018-07-12 12:40:41

Local clock offset: -0.013 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-07-12 16:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.68 Mbit/s

95th percentile per-packet one-way delay: 213.253 ms

Loss rate: 4.68%

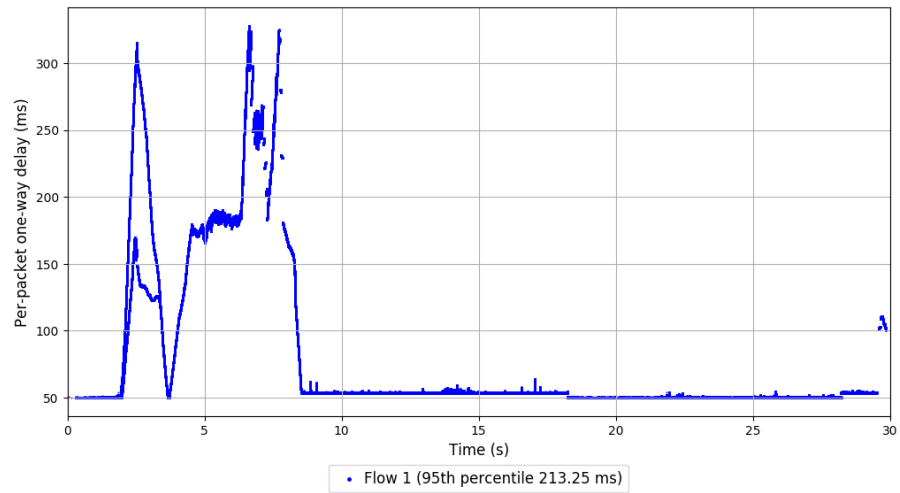
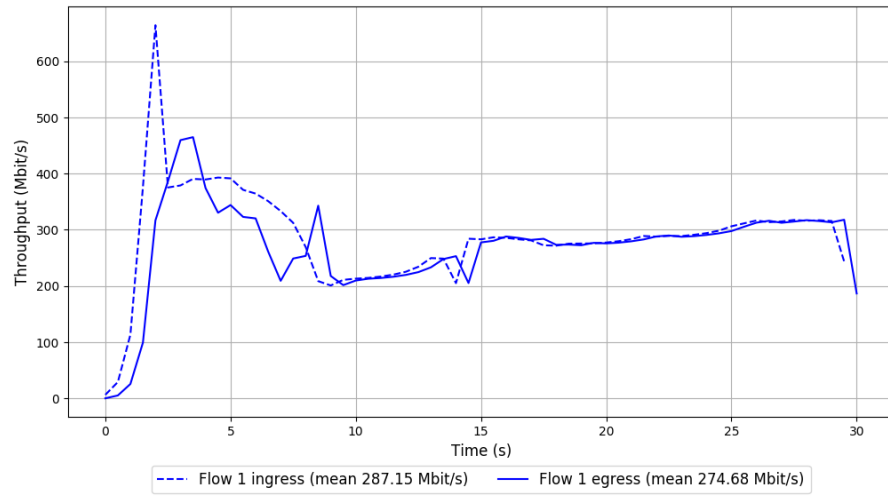
-- Flow 1:

Average throughput: 274.68 Mbit/s

95th percentile per-packet one-way delay: 213.253 ms

Loss rate: 4.68%

Run 5: Report of PCC-Expr — Data Link

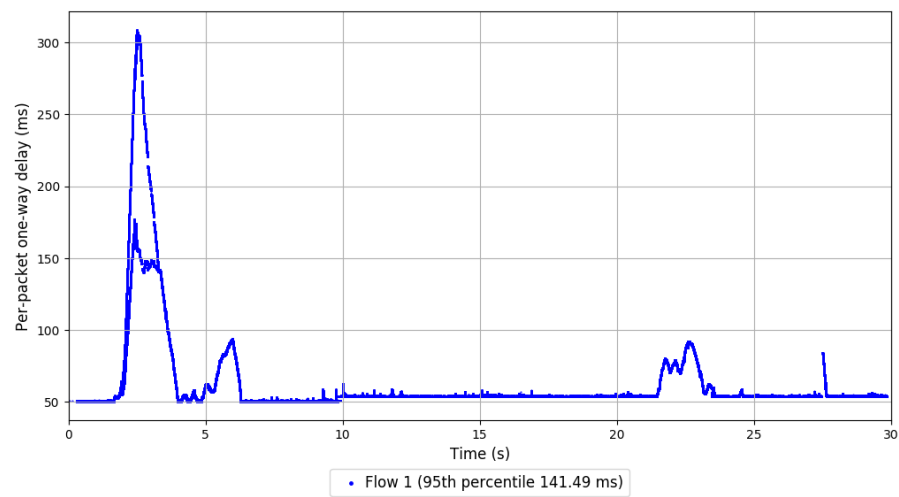
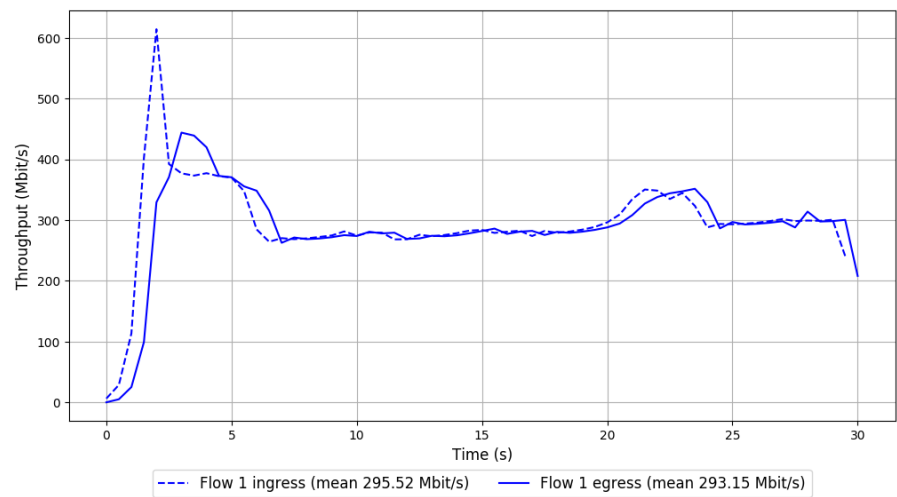


Run 6: Statistics of PCC-Expr

Start at: 2018-07-12 13:02:10
End at: 2018-07-12 13:02:40
Local clock offset: -0.016 ms
Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-07-12 16:07:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.15 Mbit/s
95th percentile per-packet one-way delay: 141.488 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 293.15 Mbit/s
95th percentile per-packet one-way delay: 141.488 ms
Loss rate: 1.15%

Run 6: Report of PCC-Expr — Data Link

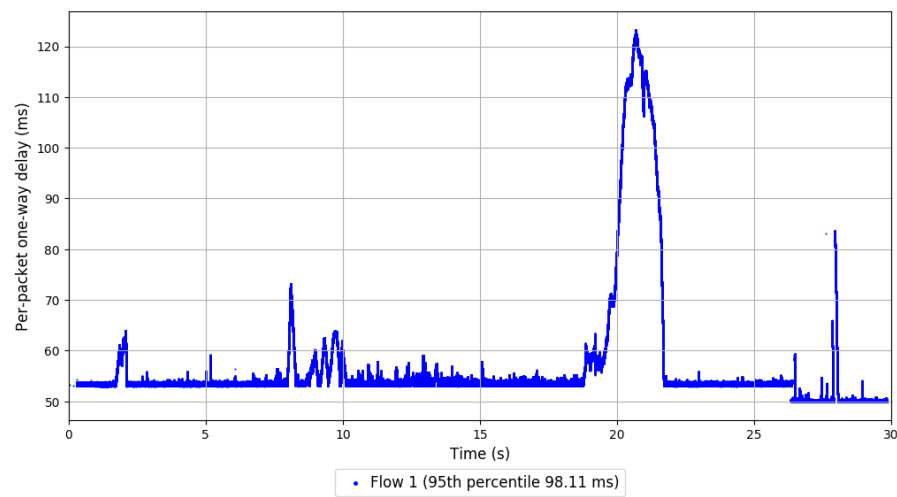
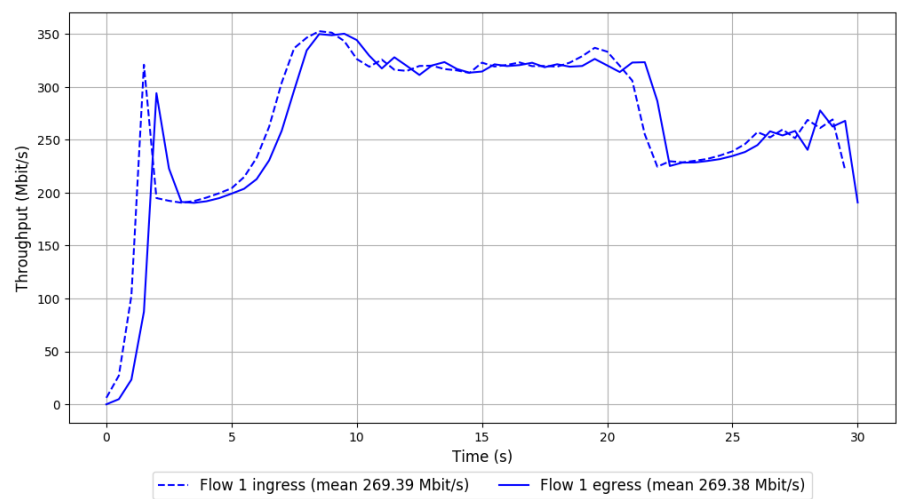


Run 7: Statistics of PCC-Expr

Start at: 2018-07-12 13:23:53
End at: 2018-07-12 13:24:23
Local clock offset: 0.024 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-12 16:09:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.38 Mbit/s
95th percentile per-packet one-way delay: 98.110 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 269.38 Mbit/s
95th percentile per-packet one-way delay: 98.110 ms
Loss rate: 0.36%

Run 7: Report of PCC-Expr — Data Link

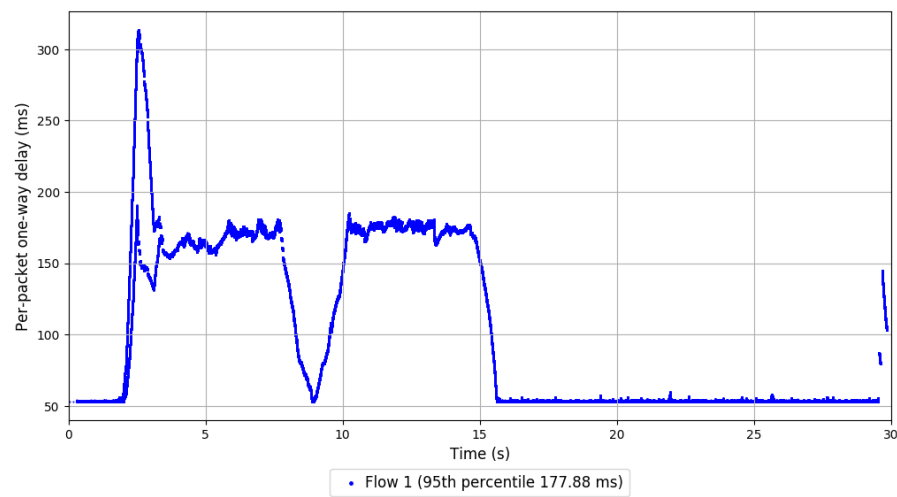
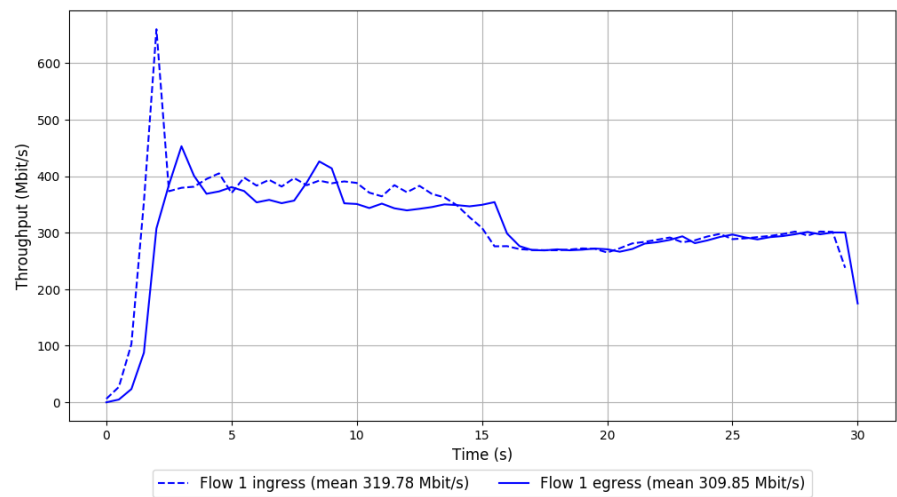


Run 8: Statistics of PCC-Expr

Start at: 2018-07-12 13:45:25
End at: 2018-07-12 13:45:55
Local clock offset: -0.191 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-12 16:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.85 Mbit/s
95th percentile per-packet one-way delay: 177.876 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 309.85 Mbit/s
95th percentile per-packet one-way delay: 177.876 ms
Loss rate: 3.45%

Run 8: Report of PCC-Expr — Data Link

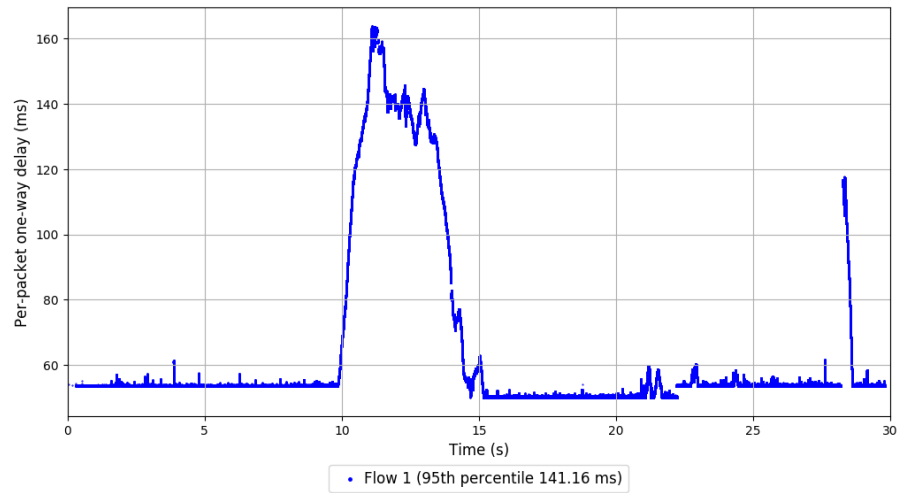
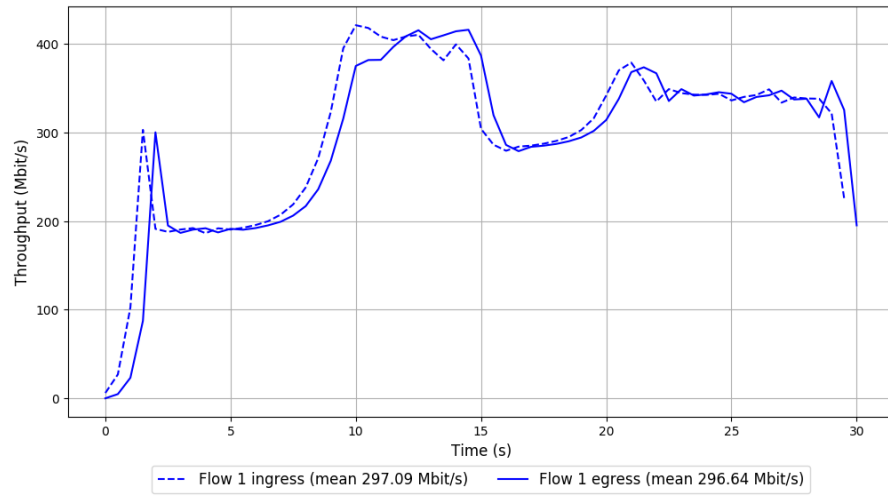


Run 9: Statistics of PCC-Expr

Start at: 2018-07-12 14:07:17
End at: 2018-07-12 14:07:47
Local clock offset: -0.19 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.64 Mbit/s
95th percentile per-packet one-way delay: 141.159 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 296.64 Mbit/s
95th percentile per-packet one-way delay: 141.159 ms
Loss rate: 0.51%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-12 14:28:49

End at: 2018-07-12 14:29:19

Local clock offset: -0.022 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.66 Mbit/s

95th percentile per-packet one-way delay: 64.137 ms

Loss rate: 0.96%

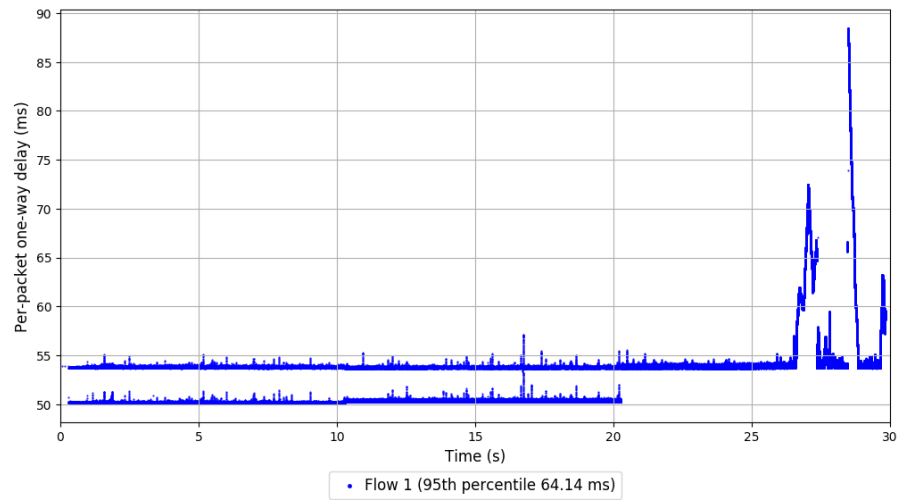
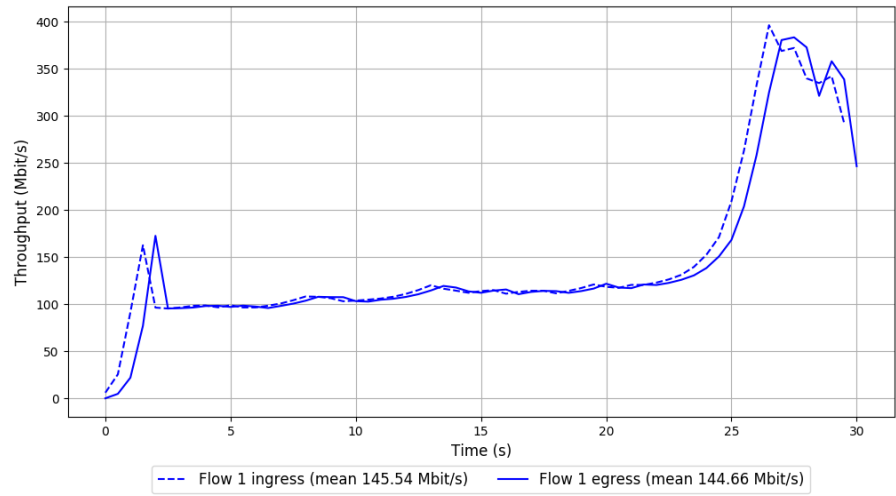
-- Flow 1:

Average throughput: 144.66 Mbit/s

95th percentile per-packet one-way delay: 64.137 ms

Loss rate: 0.96%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

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

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

Local clock offset: 0.105 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.88 Mbit/s

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

Loss rate: 0.60%

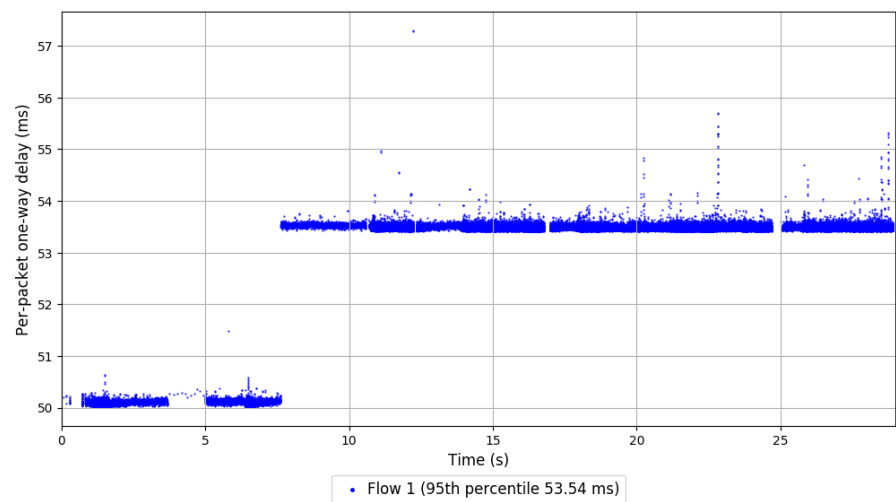
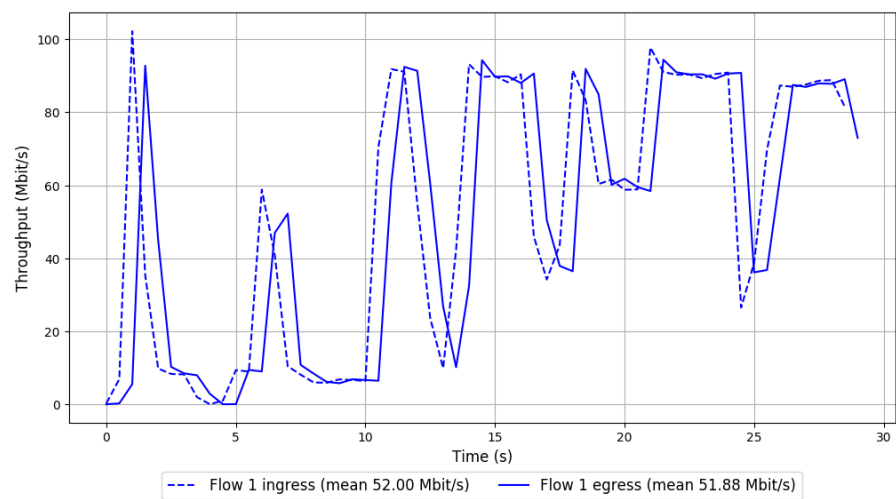
-- Flow 1:

Average throughput: 51.88 Mbit/s

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

Loss rate: 0.60%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-12 11:47:22

End at: 2018-07-12 11:47:52

Local clock offset: -0.015 ms

Remote clock offset: 0.979 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.82 Mbit/s

95th percentile per-packet one-way delay: 52.173 ms

Loss rate: 0.66%

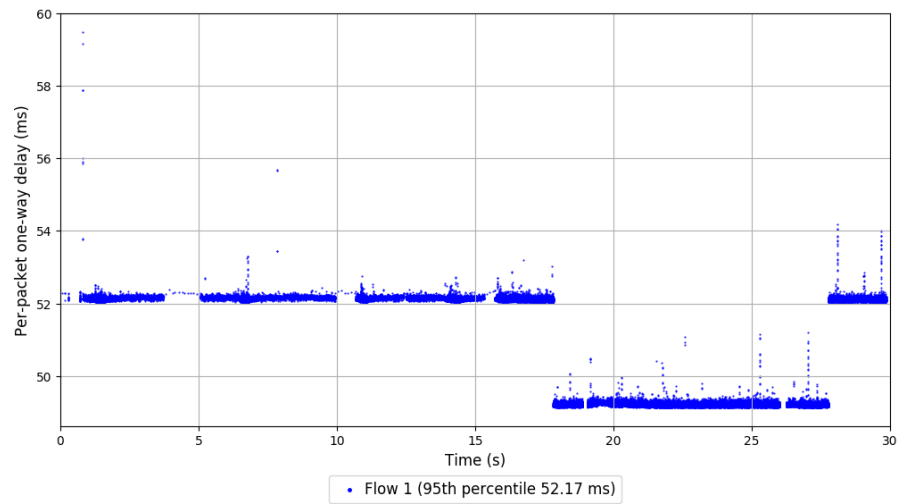
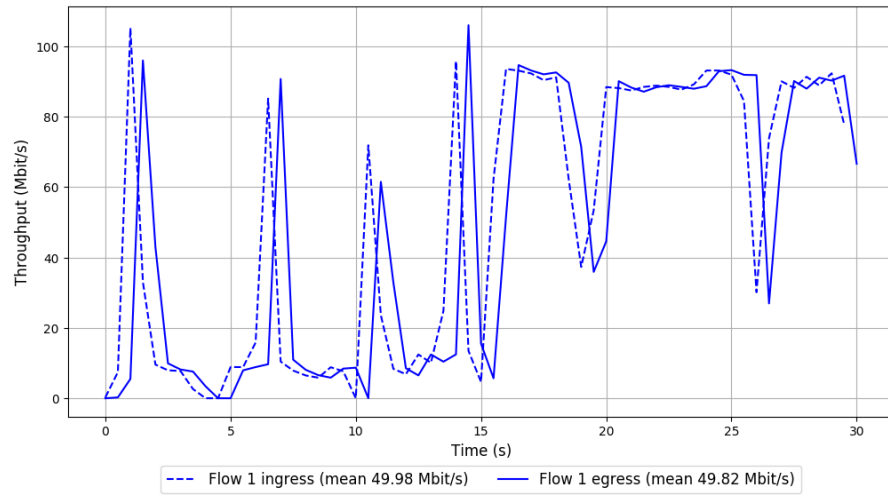
-- Flow 1:

Average throughput: 49.82 Mbit/s

95th percentile per-packet one-way delay: 52.173 ms

Loss rate: 0.66%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

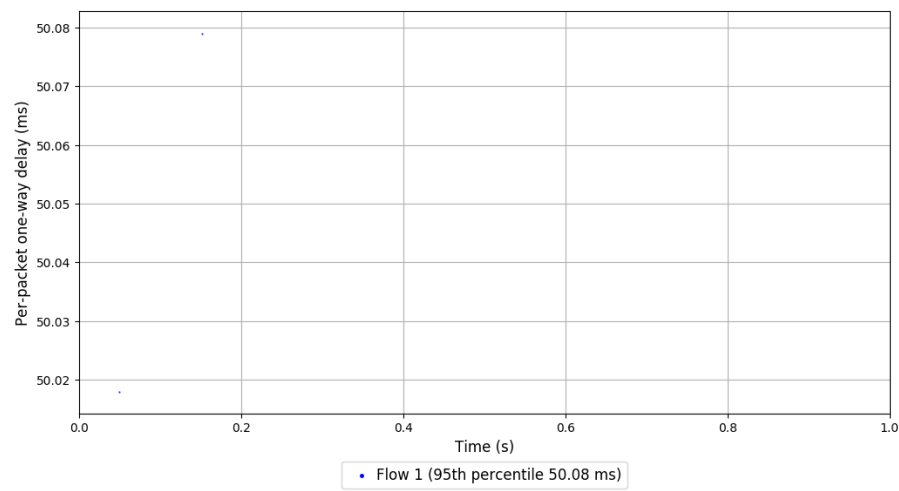
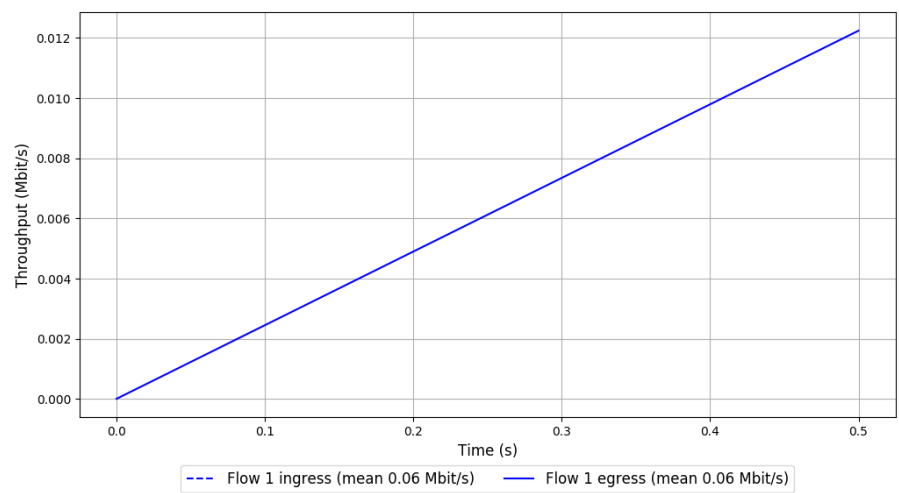
Start at: 2018-07-12 12:09:29

End at: 2018-07-12 12:09:59

Local clock offset: -0.096 ms

Remote clock offset: -0.151 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

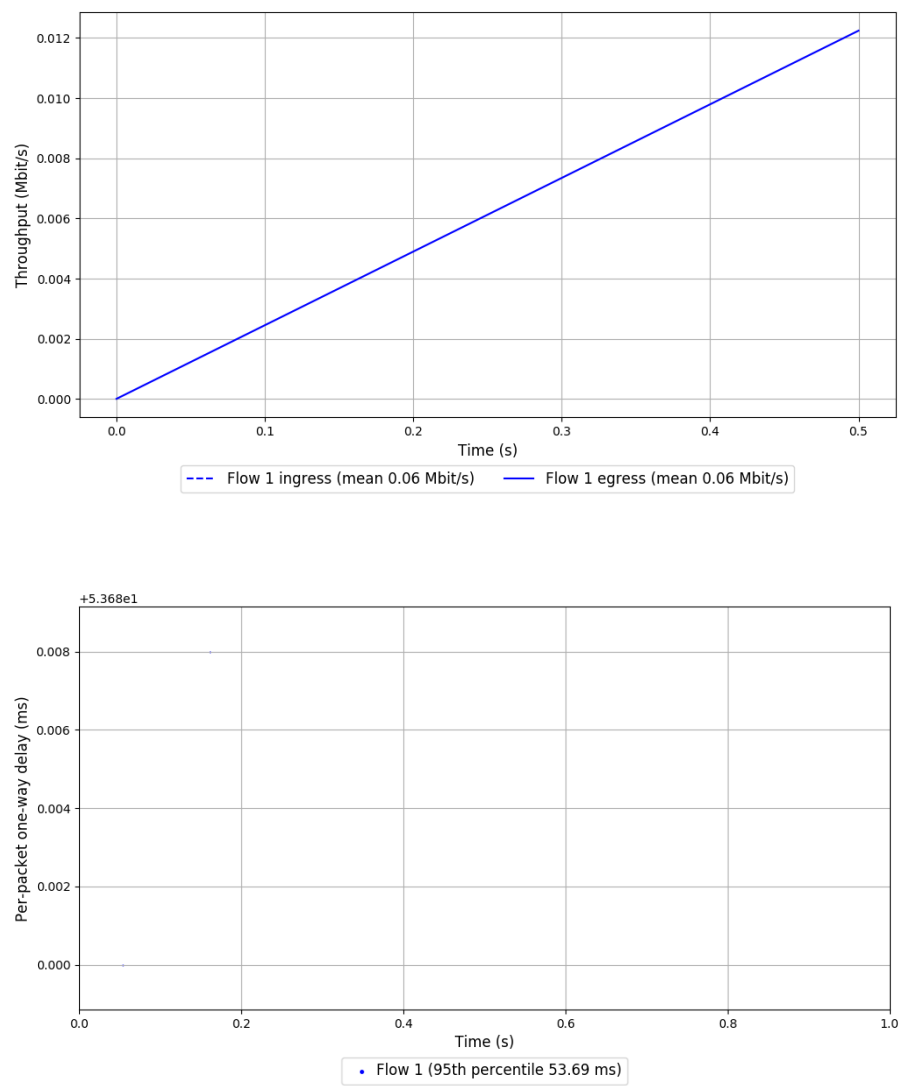
Start at: 2018-07-12 12:31:25

End at: 2018-07-12 12:31:55

Local clock offset: -0.261 ms

Remote clock offset: -0.159 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-12 12:53:14

End at: 2018-07-12 12:53:44

Local clock offset: 0.154 ms

Remote clock offset: 1.232 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 52.469 ms

Loss rate: 0.47%

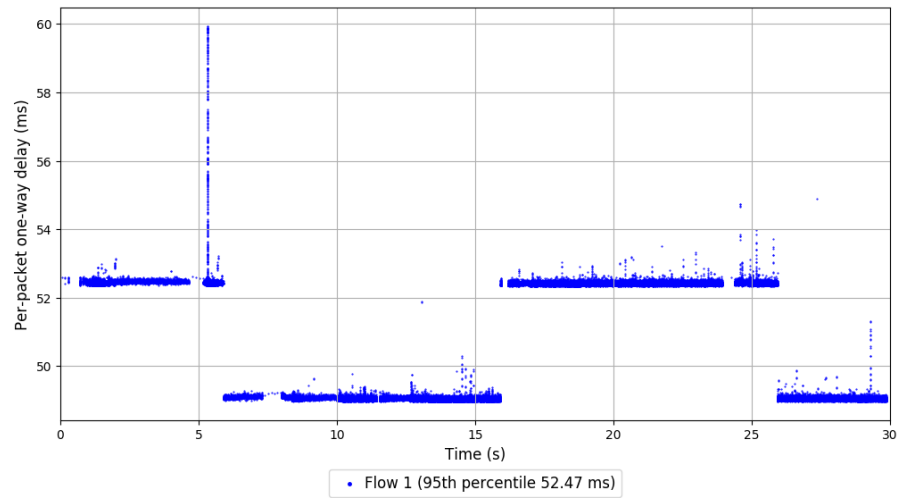
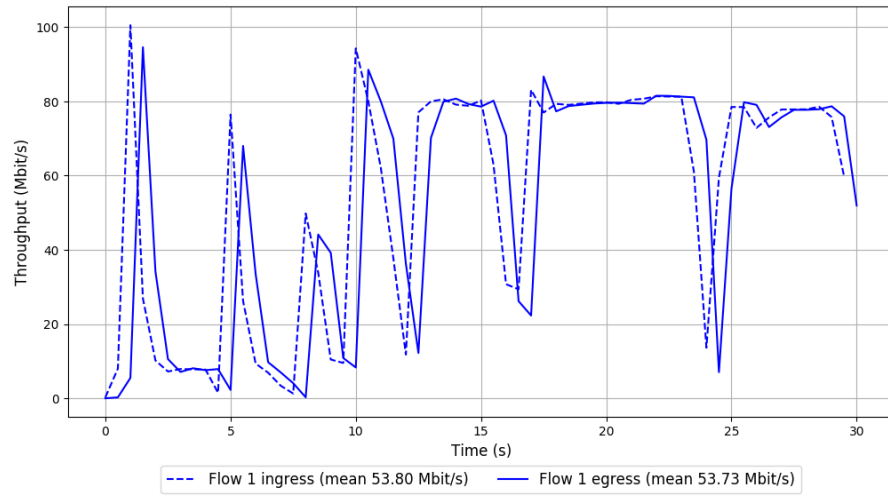
-- Flow 1:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 52.469 ms

Loss rate: 0.47%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

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

End at: 2018-07-12 13:15:43

Local clock offset: -0.178 ms

Remote clock offset: -1.213 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 54.584 ms

Loss rate: 0.56%

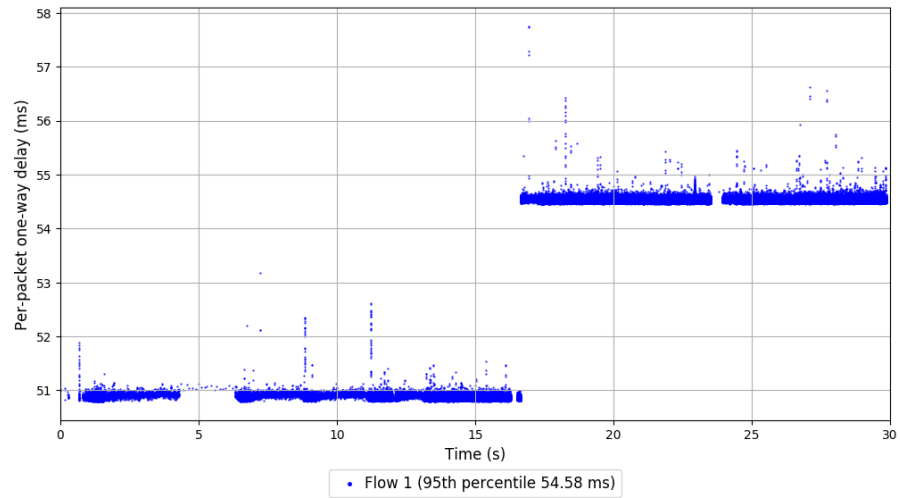
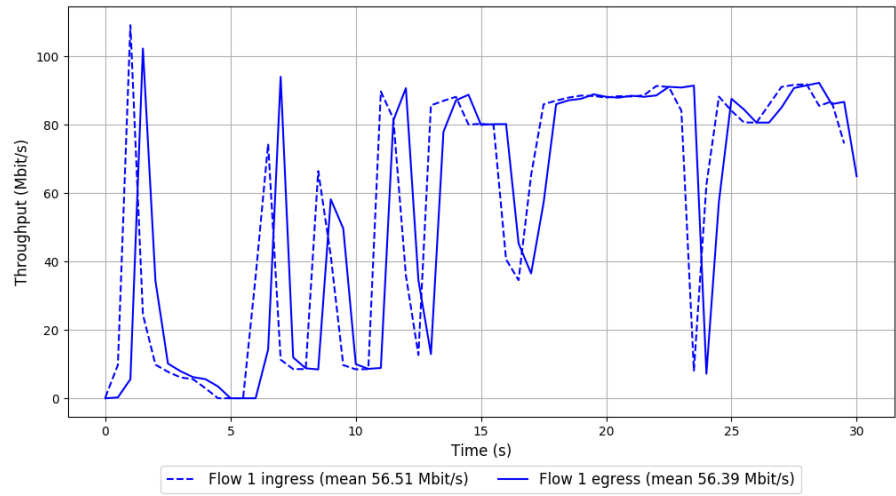
-- Flow 1:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 54.584 ms

Loss rate: 0.56%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-12 13:36:50

End at: 2018-07-12 13:37:20

Local clock offset: -0.095 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.47 Mbit/s

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

Loss rate: 0.65%

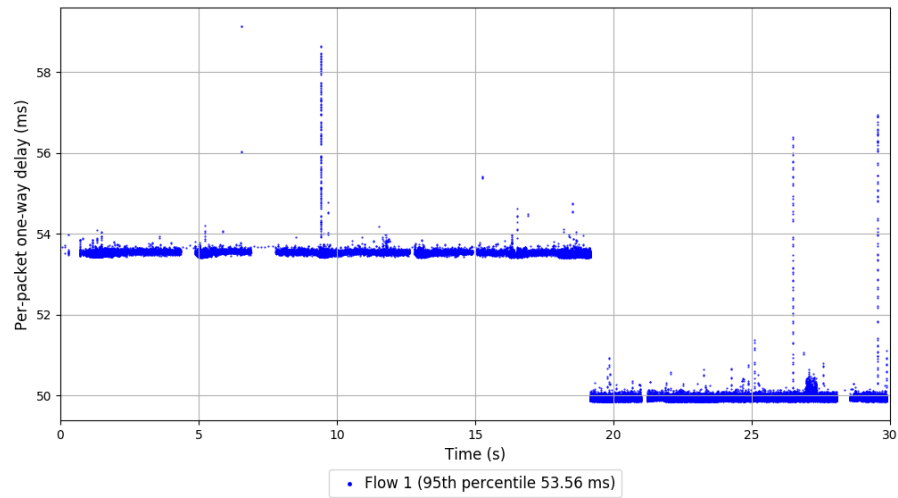
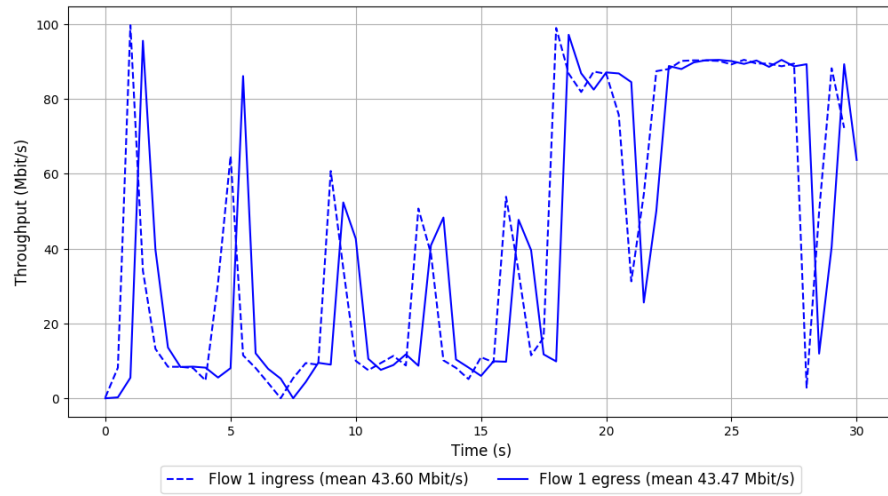
-- Flow 1:

Average throughput: 43.47 Mbit/s

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

Loss rate: 0.65%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-12 13:58:32

End at: 2018-07-12 13:59:02

Local clock offset: -0.127 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.58%

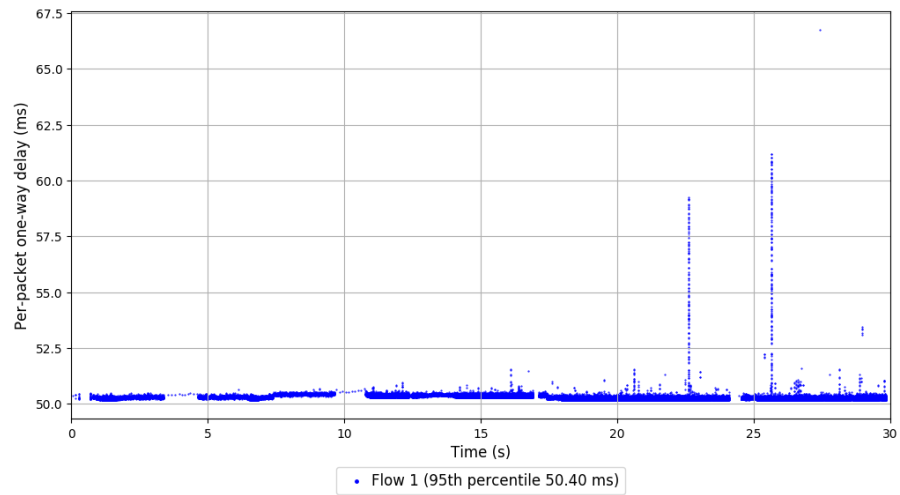
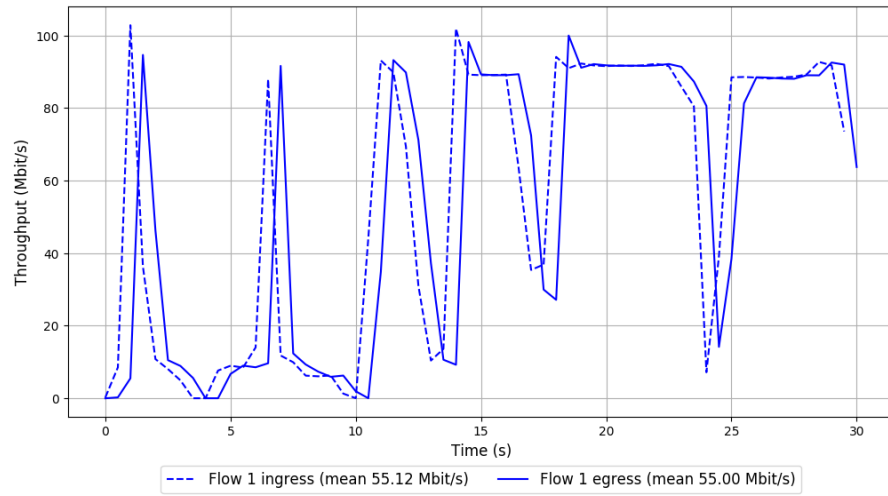
-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.58%

Run 8: Report of QUIC Cubic — Data Link

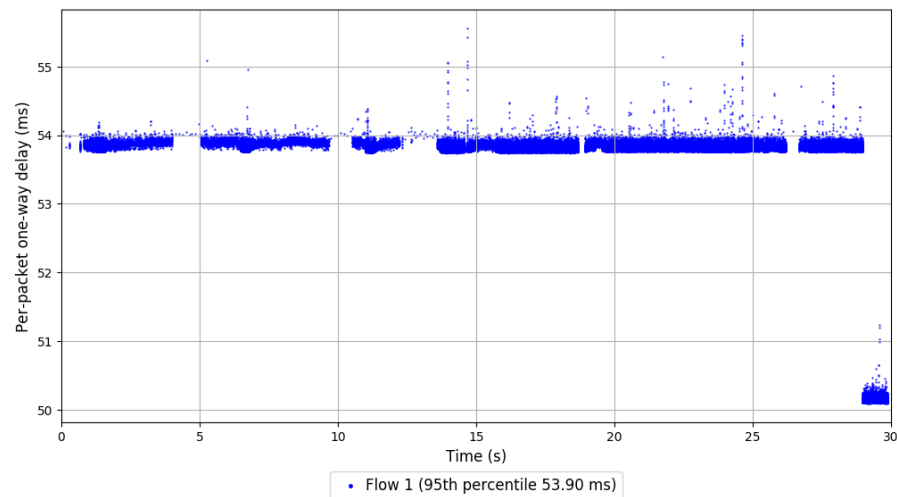
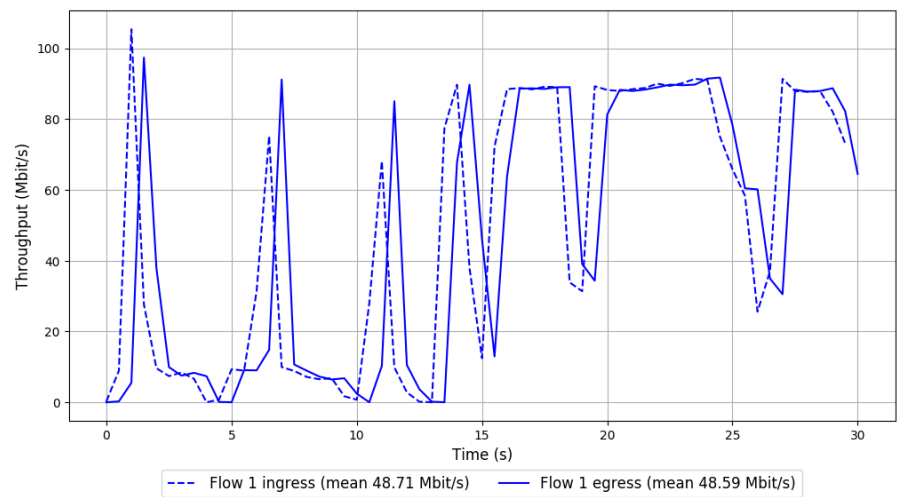


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-12 14:20:19
End at: 2018-07-12 14:20:49
Local clock offset: -0.145 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 53.904 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 53.904 ms
Loss rate: 0.59%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-12 14:41:44

End at: 2018-07-12 14:42:15

Local clock offset: -0.058 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.85 Mbit/s

95th percentile per-packet one-way delay: 53.730 ms

Loss rate: 0.59%

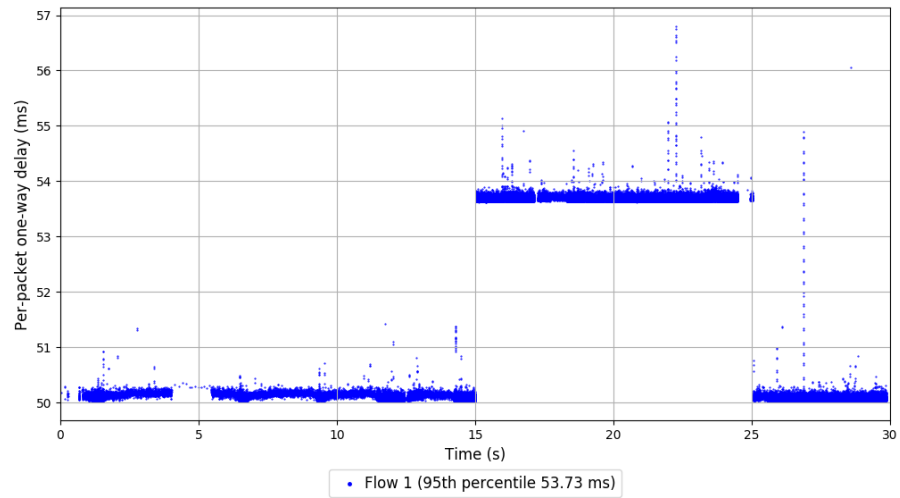
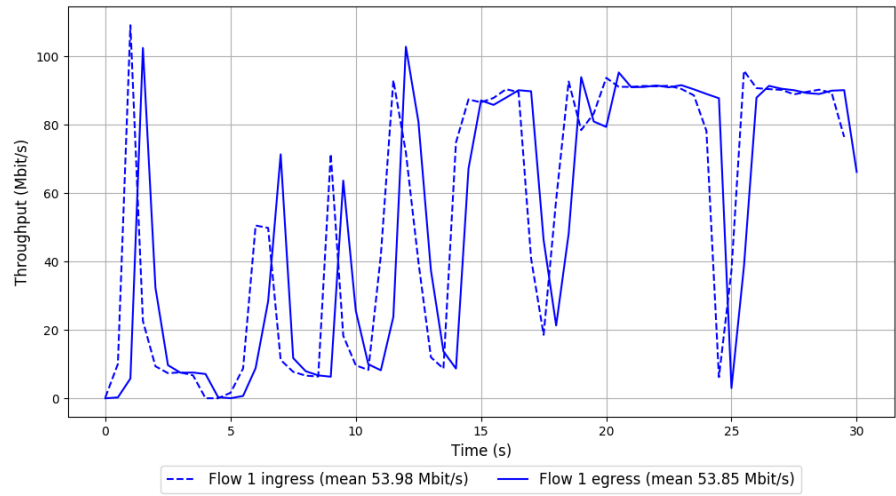
-- Flow 1:

Average throughput: 53.85 Mbit/s

95th percentile per-packet one-way delay: 53.730 ms

Loss rate: 0.59%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-07-12 11:22:55

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

Local clock offset: -0.169 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.975 ms

Loss rate: 0.39%

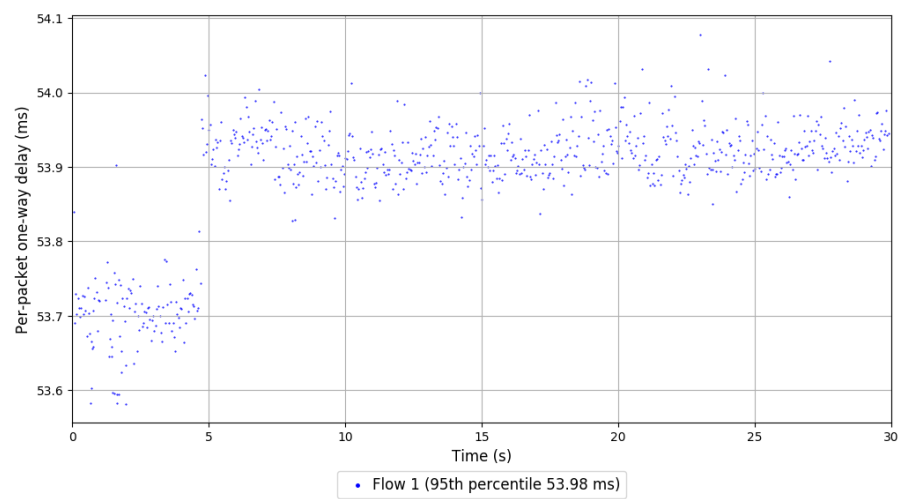
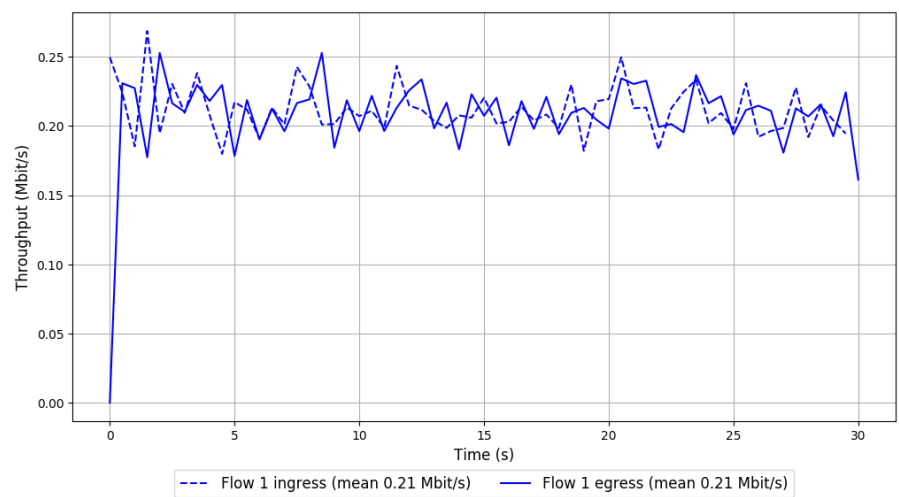
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.975 ms

Loss rate: 0.39%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-12 11:44:48

End at: 2018-07-12 11:45:18

Local clock offset: 0.111 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.671 ms

Loss rate: 0.38%

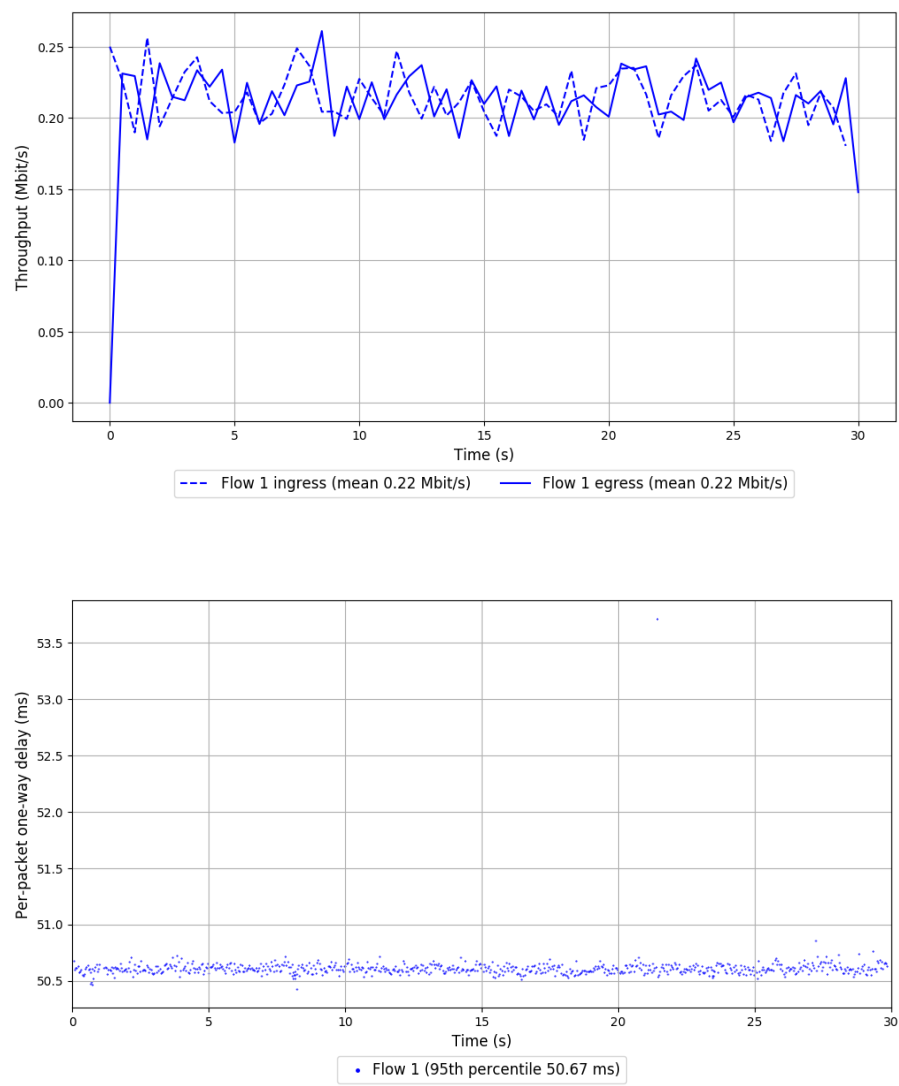
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.671 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-12 12:06:54

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

Local clock offset: -0.213 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.558 ms

Loss rate: 0.38%

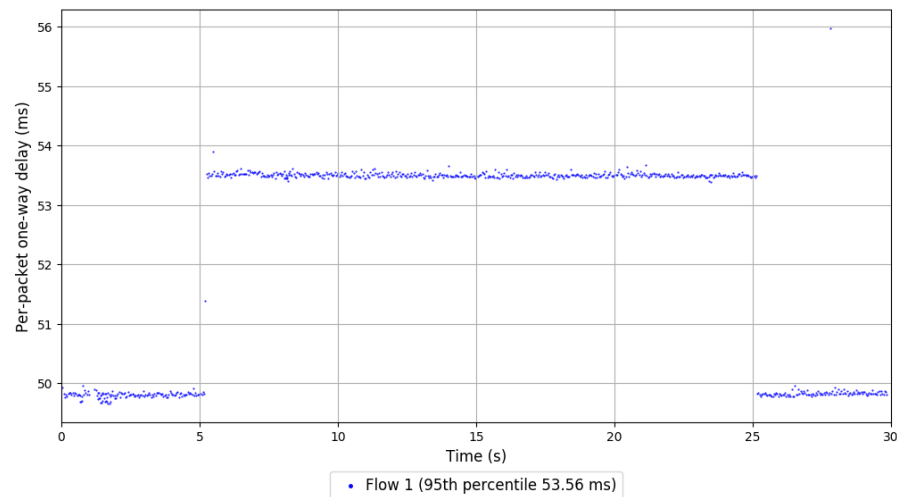
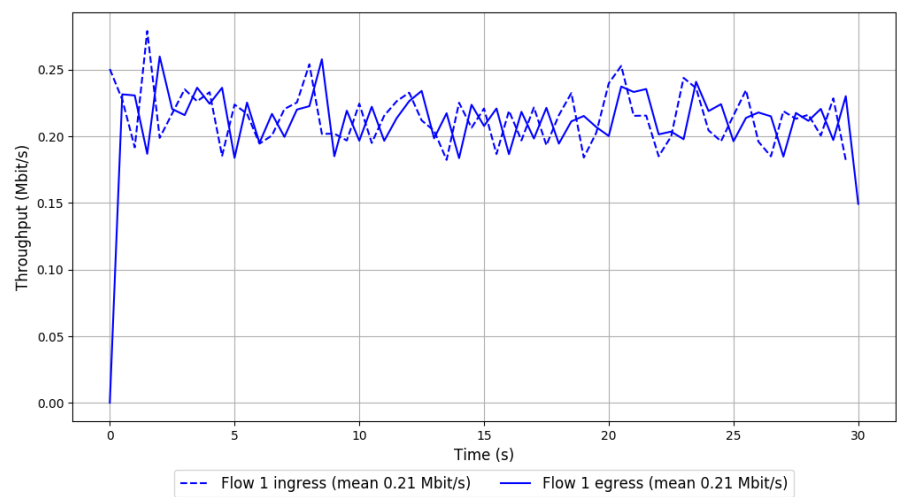
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.558 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

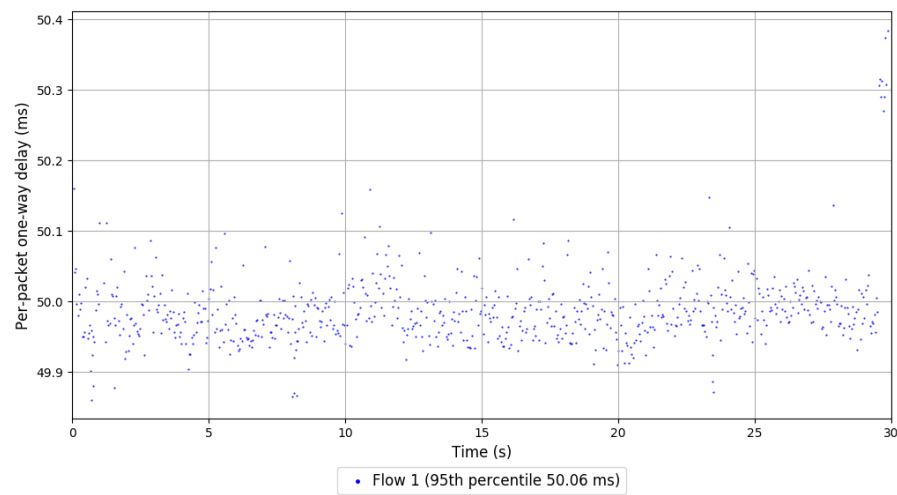
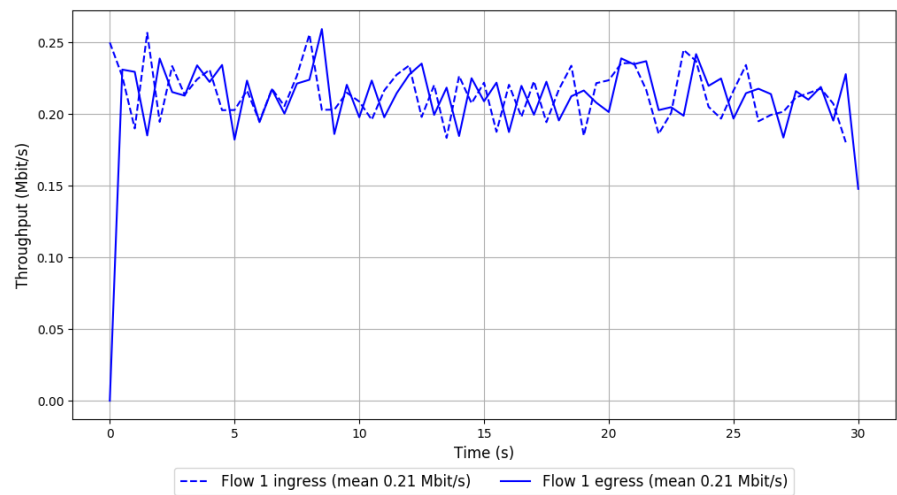


Run 4: Statistics of SCReAM

Start at: 2018-07-12 12:28:50
End at: 2018-07-12 12:29:20
Local clock offset: -0.315 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.064 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.064 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

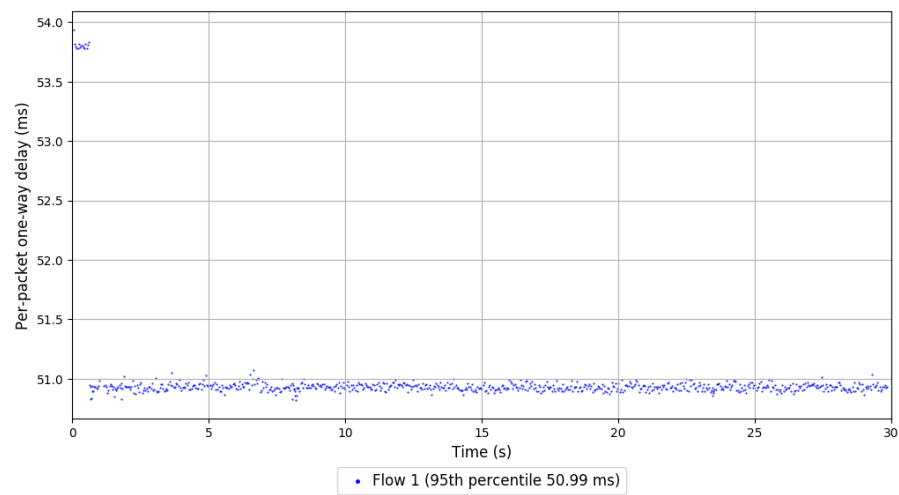
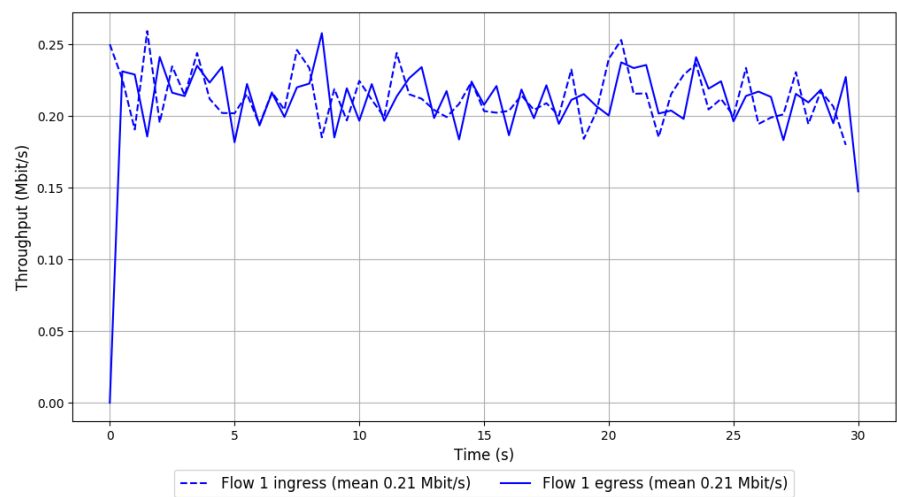


Run 5: Statistics of SCReAM

Start at: 2018-07-12 12:50:39
End at: 2018-07-12 12:51:09
Local clock offset: -0.187 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.989 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.989 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-12 13:12:37

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

Local clock offset: 0.085 ms

Remote clock offset: -1.17 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.506 ms

Loss rate: 0.26%

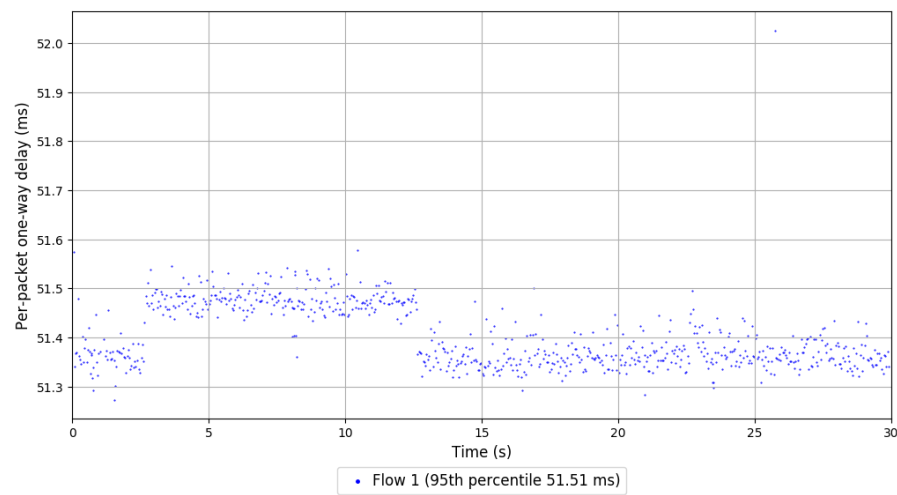
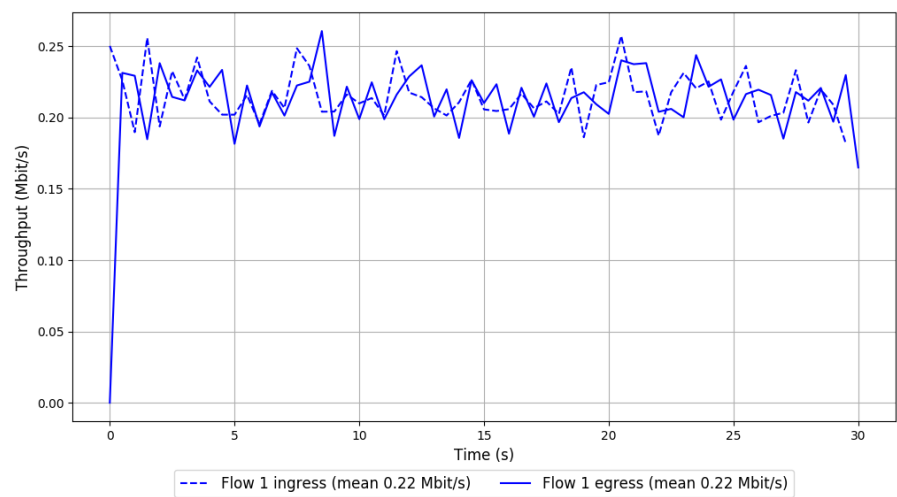
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.506 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-12 13:34:16

End at: 2018-07-12 13:34:46

Local clock offset: 0.037 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.681 ms

Loss rate: 0.38%

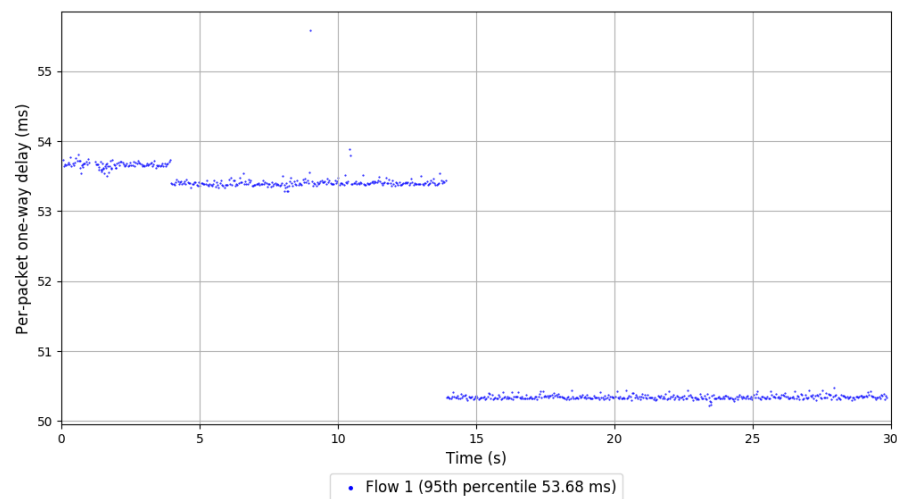
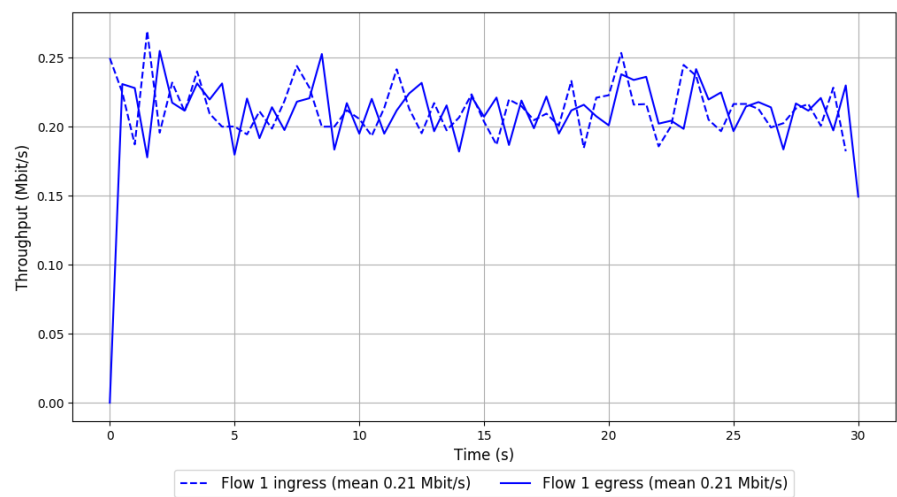
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.681 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-12 13:55:56

End at: 2018-07-12 13:56:27

Local clock offset: 0.011 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.343 ms

Loss rate: 0.26%

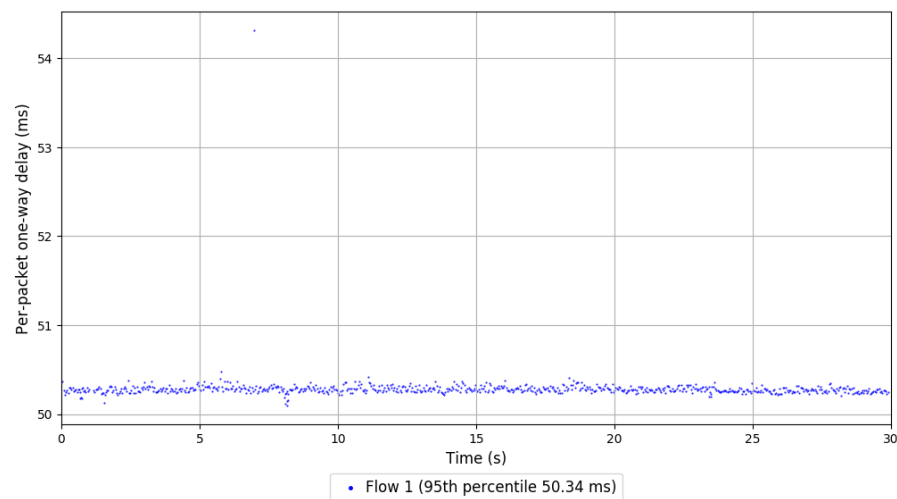
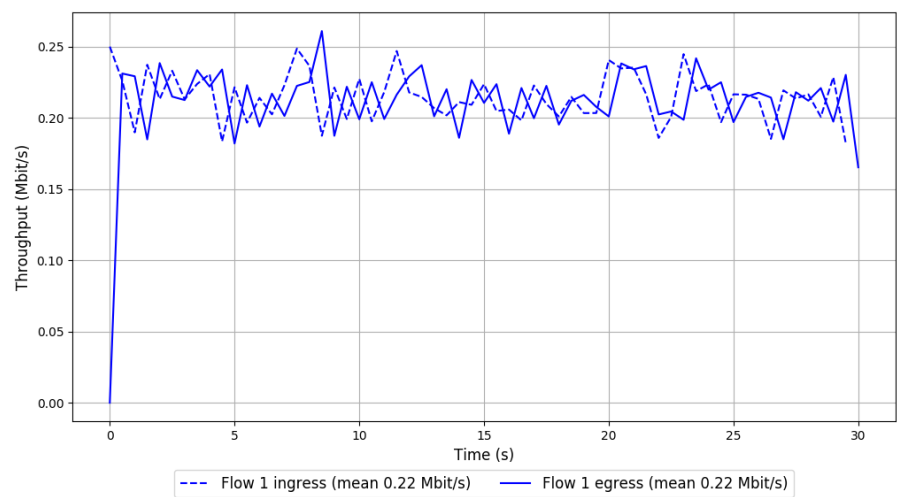
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.343 ms

Loss rate: 0.26%

Run 8: Report of SReAM — Data Link

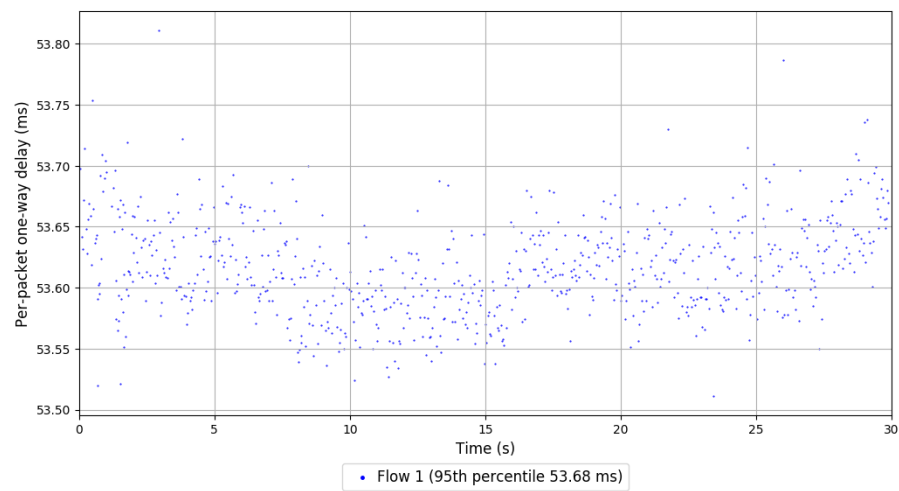
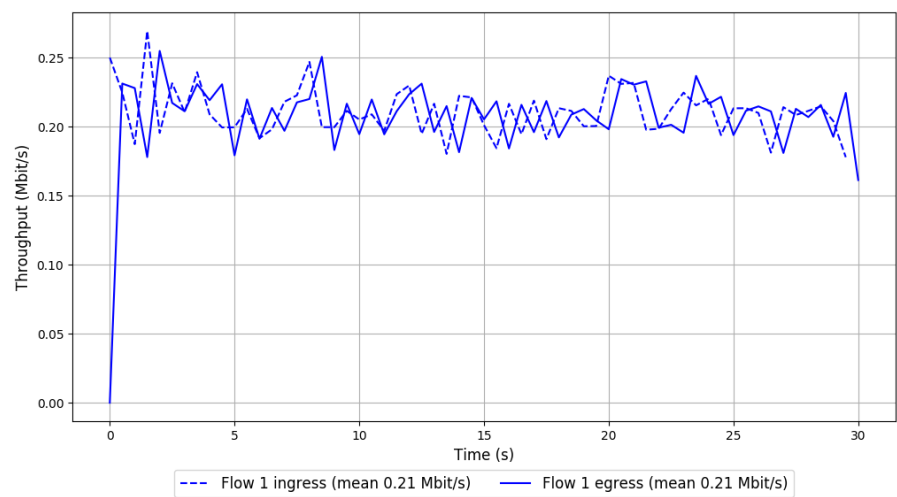


Run 9: Statistics of SCReAM

Start at: 2018-07-12 14:17:42
End at: 2018-07-12 14:18:12
Local clock offset: -0.056 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.682 ms
Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-12 14:39:08

End at: 2018-07-12 14:39:38

Local clock offset: -0.038 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.709 ms

Loss rate: 0.25%

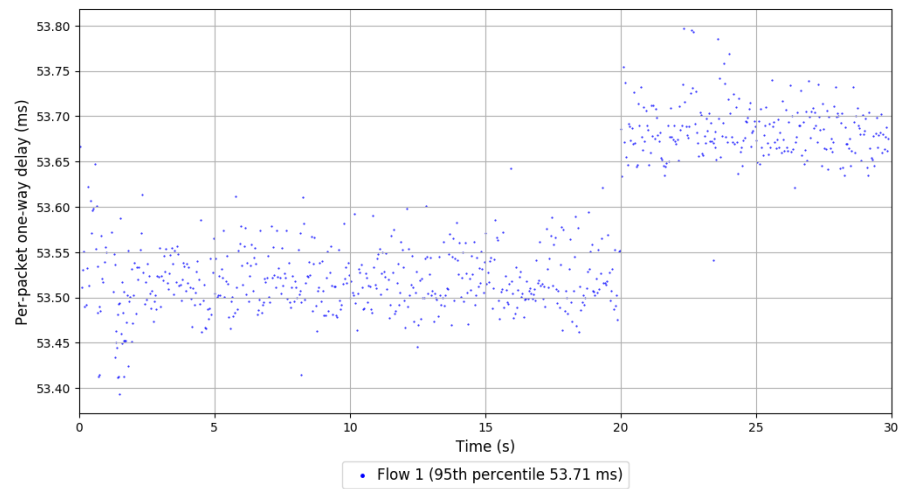
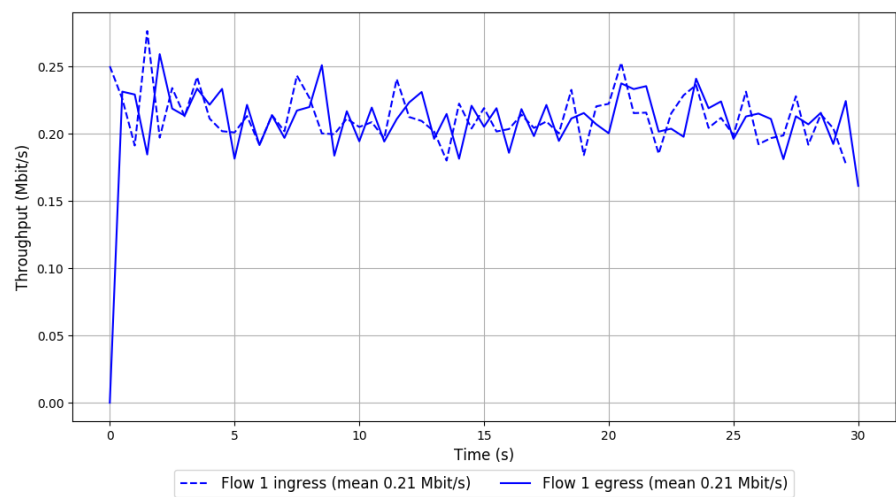
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.709 ms

Loss rate: 0.25%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-12 11:20:14

End at: 2018-07-12 11:20:44

Local clock offset: -0.114 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 53.963 ms

Loss rate: 0.51%

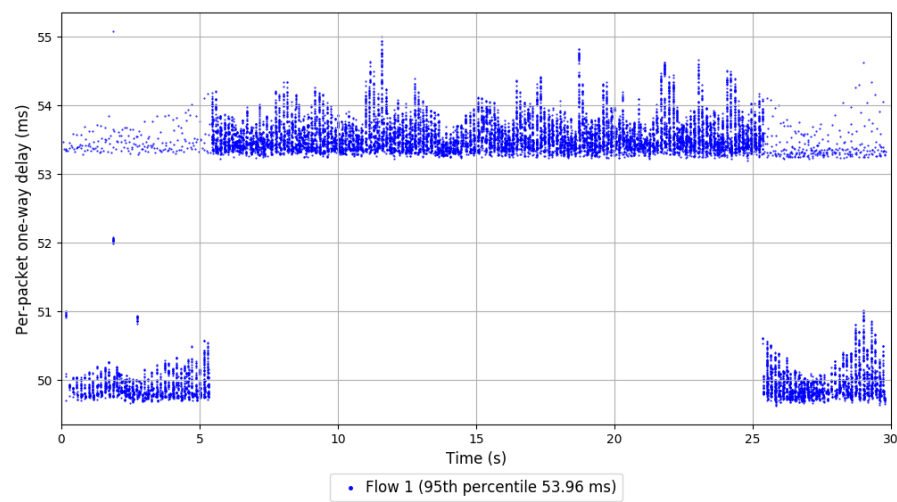
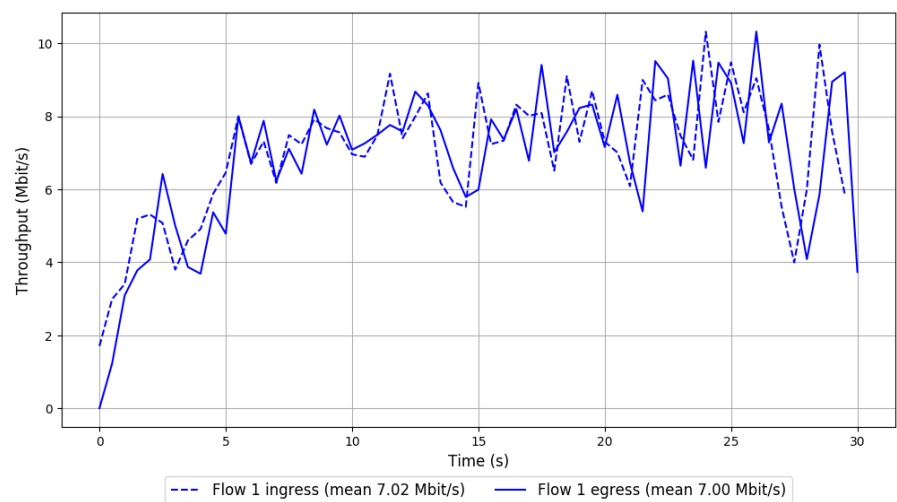
-- Flow 1:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 53.963 ms

Loss rate: 0.51%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-12 11:42:07

End at: 2018-07-12 11:42:37

Local clock offset: -0.145 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 54.063 ms

Loss rate: 0.53%

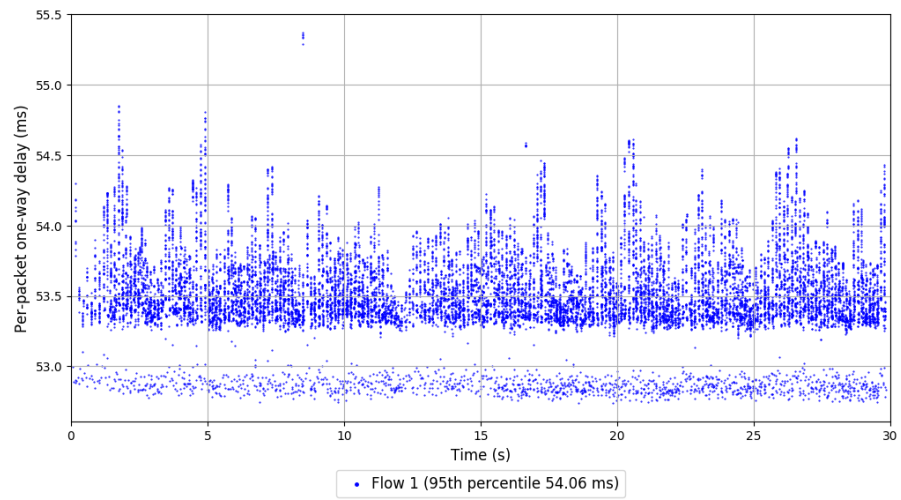
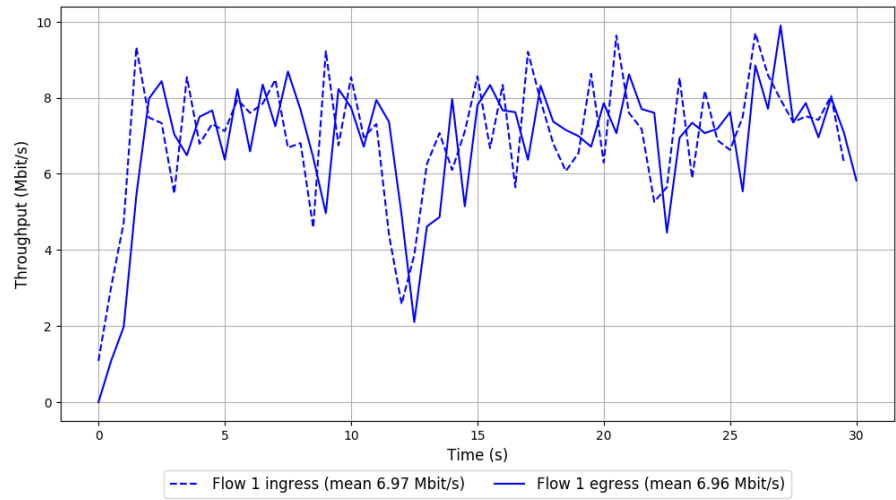
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 54.063 ms

Loss rate: 0.53%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

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

End at: 2018-07-12 12:04:41

Local clock offset: 0.019 ms

Remote clock offset: 1.204 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 52.987 ms

Loss rate: 0.43%

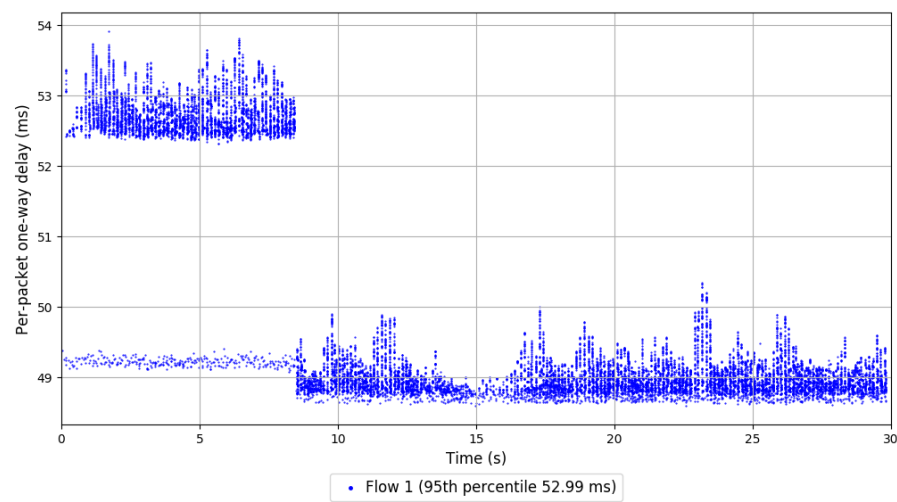
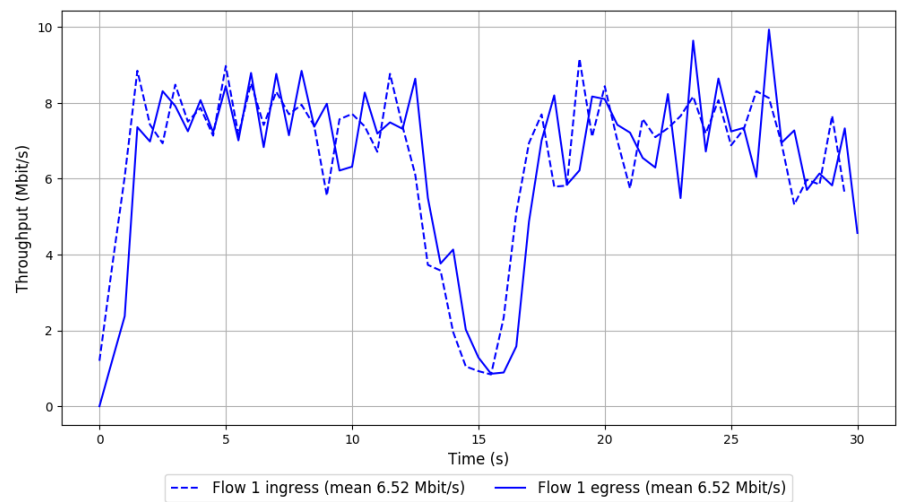
-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 52.987 ms

Loss rate: 0.43%

Run 3: Report of Sprout — Data Link

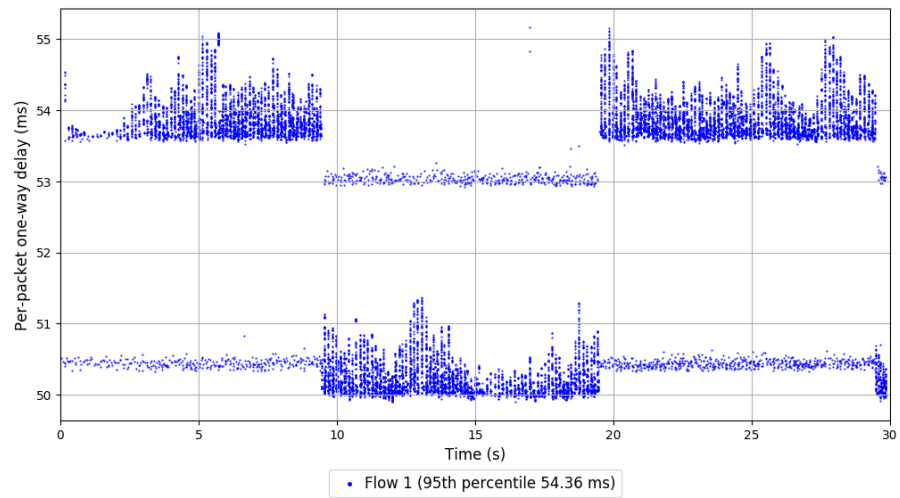
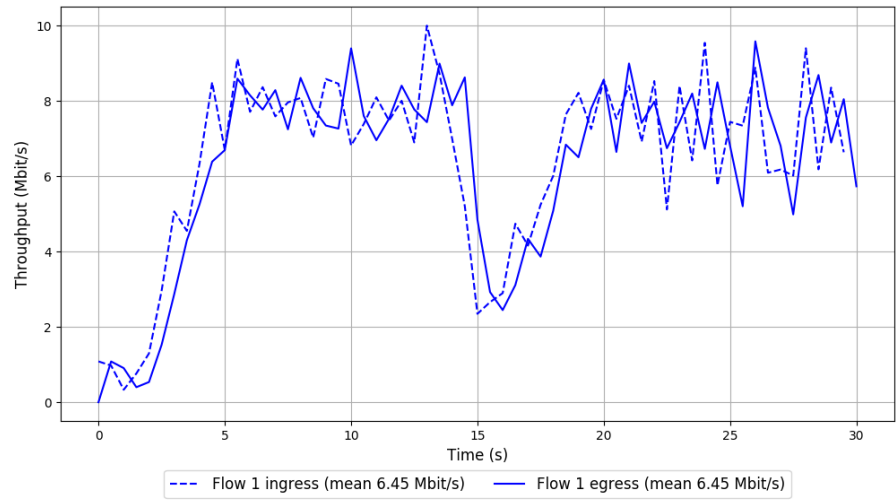


Run 4: Statistics of Sprout

Start at: 2018-07-12 12:26:10
End at: 2018-07-12 12:26:40
Local clock offset: -0.116 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 54.359 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 54.359 ms
Loss rate: 0.31%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-12 12:48:01

End at: 2018-07-12 12:48:31

Local clock offset: -0.034 ms

Remote clock offset: 1.321 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 52.745 ms

Loss rate: 0.21%

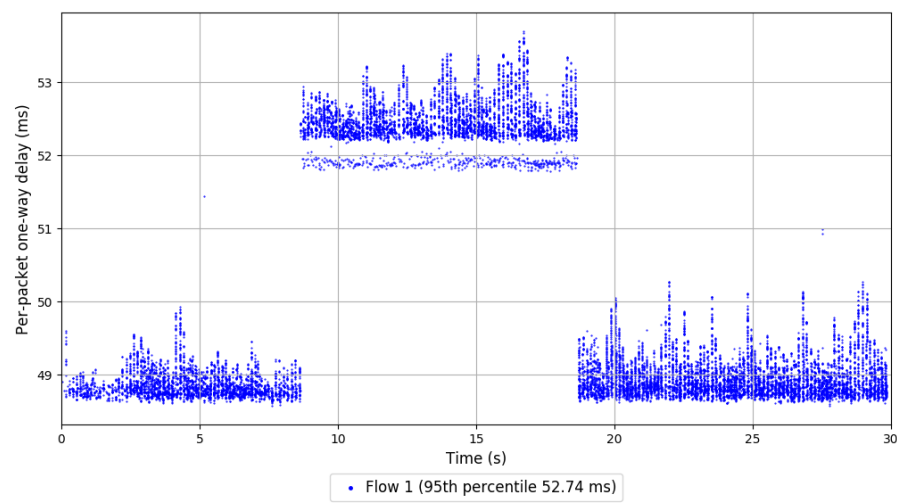
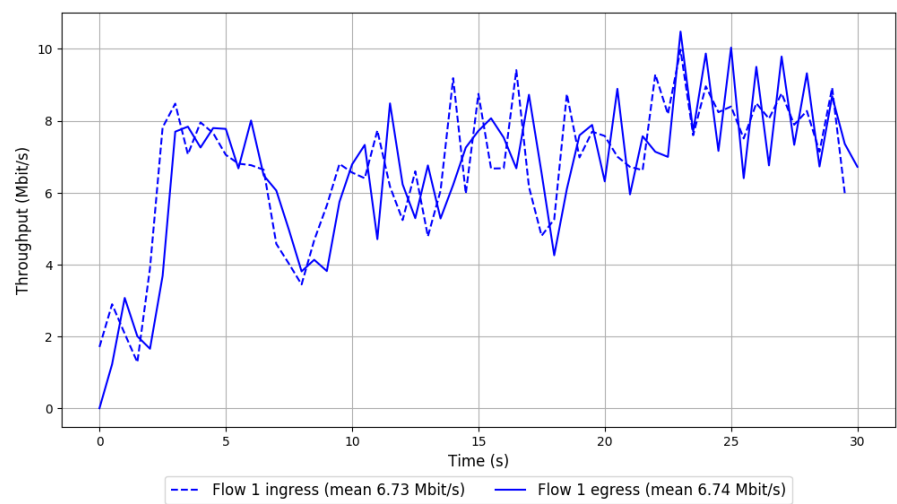
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 52.745 ms

Loss rate: 0.21%

Run 5: Report of Sprout — Data Link

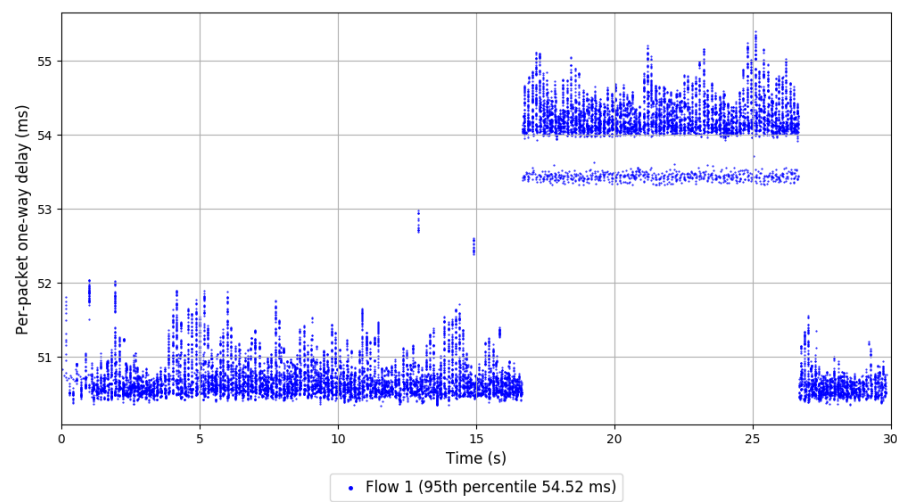
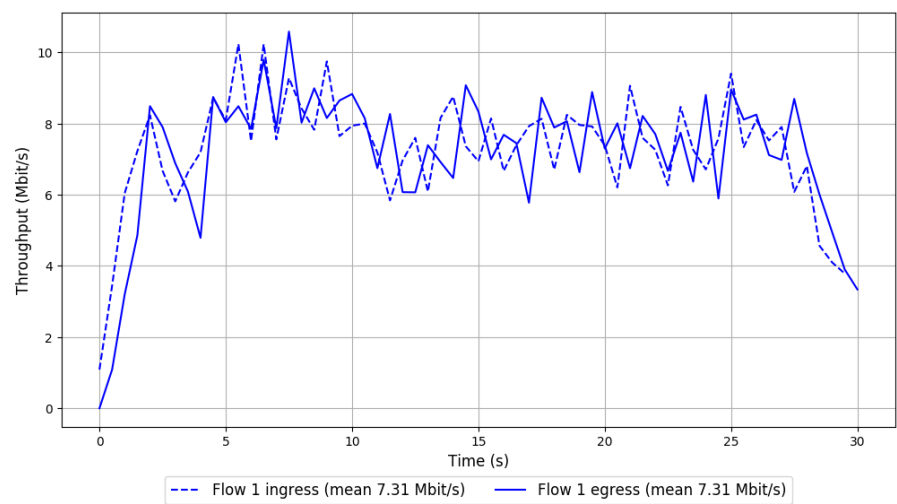


Run 6: Statistics of Sprout

Start at: 2018-07-12 13:09:53
End at: 2018-07-12 13:10:23
Local clock offset: 0.238 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 54.516 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 54.516 ms
Loss rate: 0.25%

Run 6: Report of Sprout — Data Link

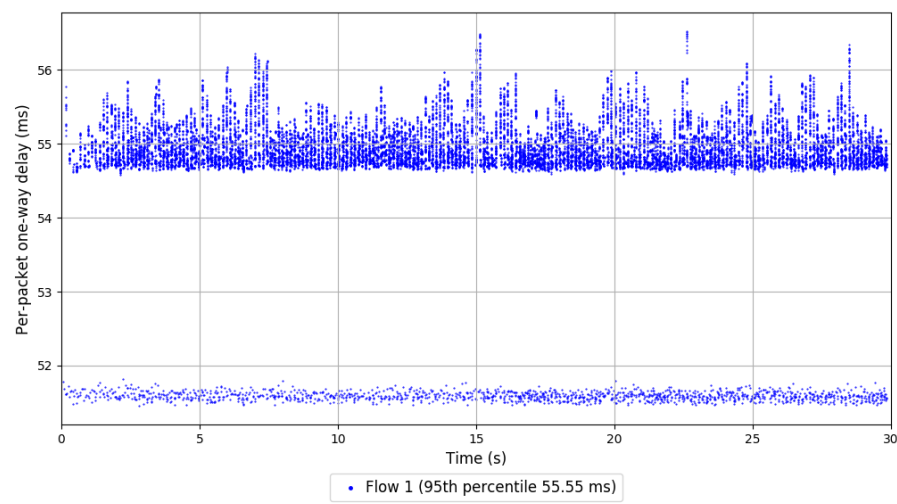
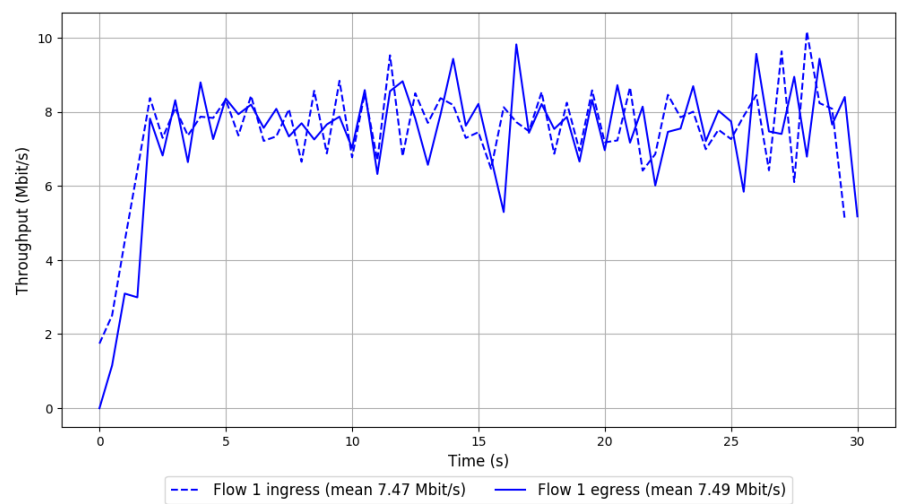


Run 7: Statistics of Sprout

Start at: 2018-07-12 13:31:35
End at: 2018-07-12 13:32:05
Local clock offset: -0.235 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 55.547 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 55.547 ms
Loss rate: 0.20%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-12 13:53:18

End at: 2018-07-12 13:53:48

Local clock offset: 0.048 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 54.049 ms

Loss rate: 0.52%

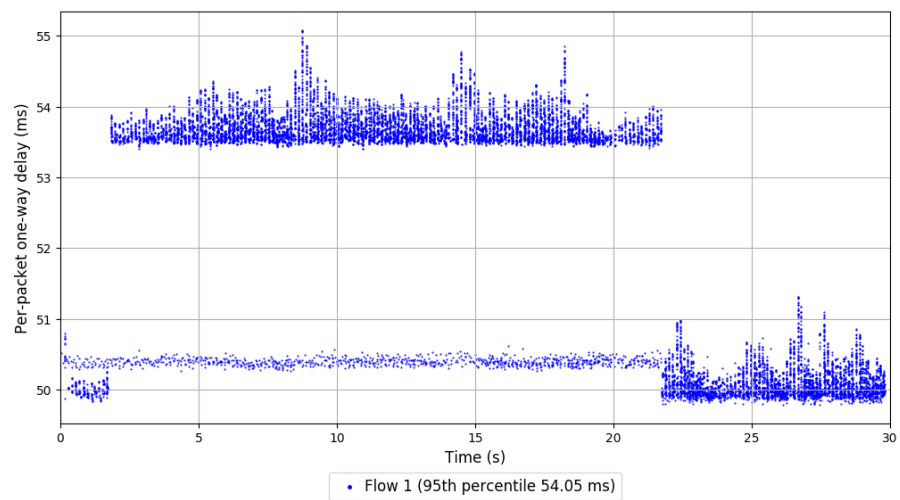
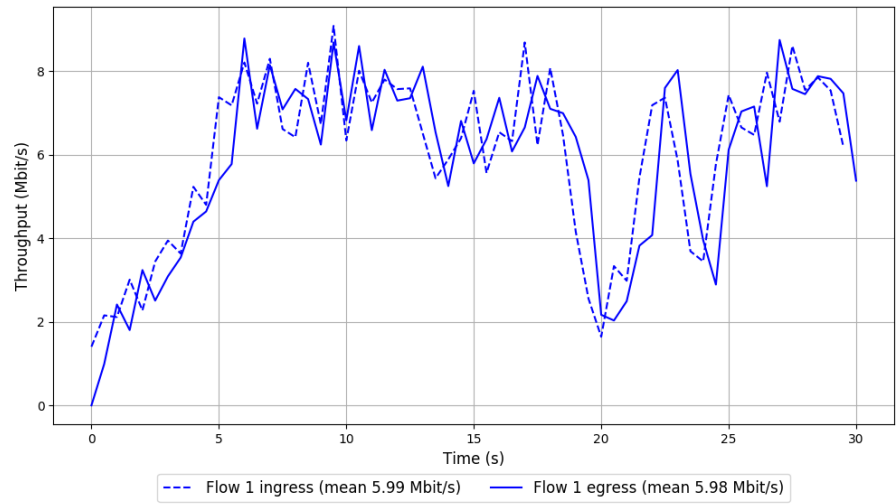
-- Flow 1:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 54.049 ms

Loss rate: 0.52%

Run 8: Report of Sprout — Data Link

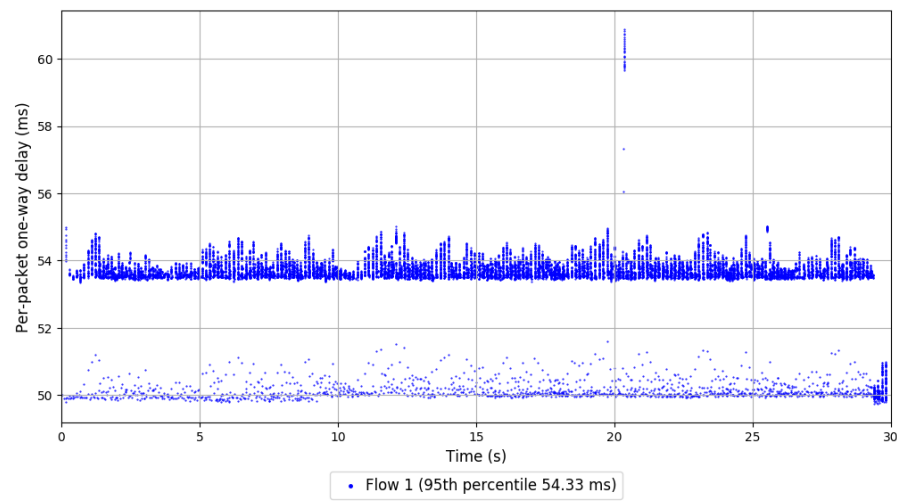
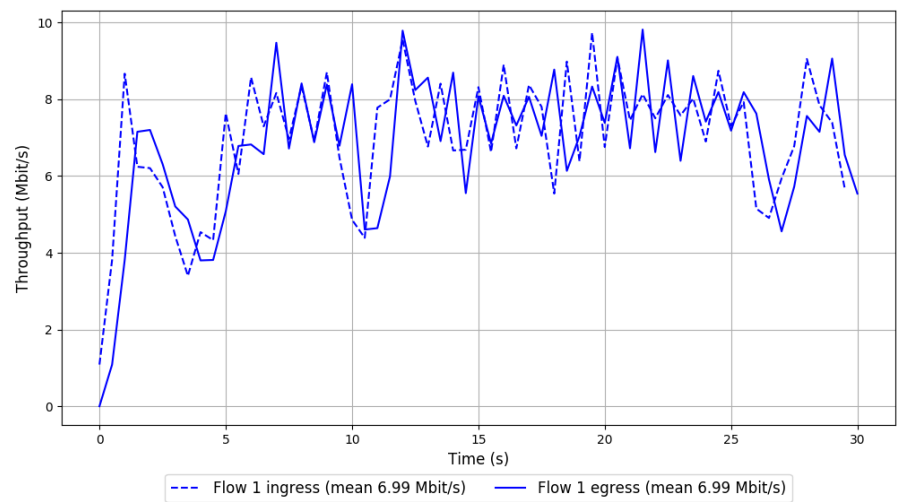


Run 9: Statistics of Sprout

Start at: 2018-07-12 14:15:00
End at: 2018-07-12 14:15:30
Local clock offset: -0.201 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-12 16:13:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 54.330 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 54.330 ms
Loss rate: 0.40%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-12 14:36:28

End at: 2018-07-12 14:36:58

Local clock offset: 0.115 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-12 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 54.443 ms

Loss rate: 0.35%

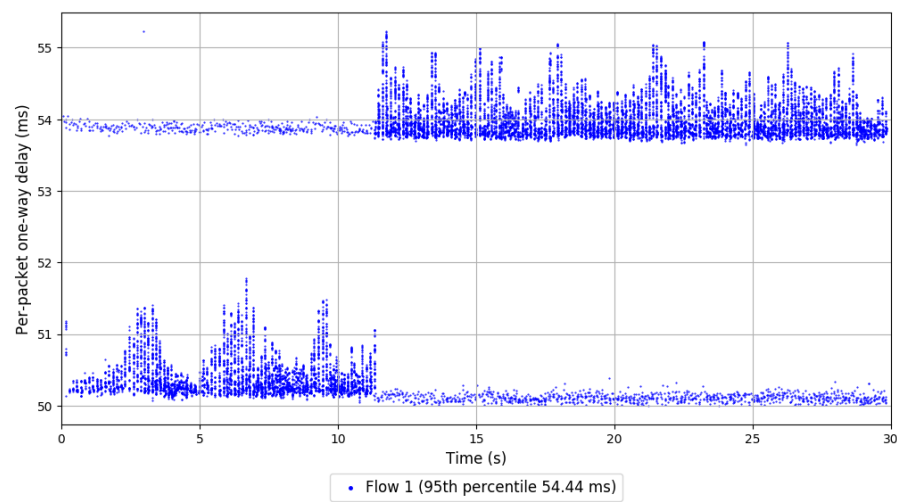
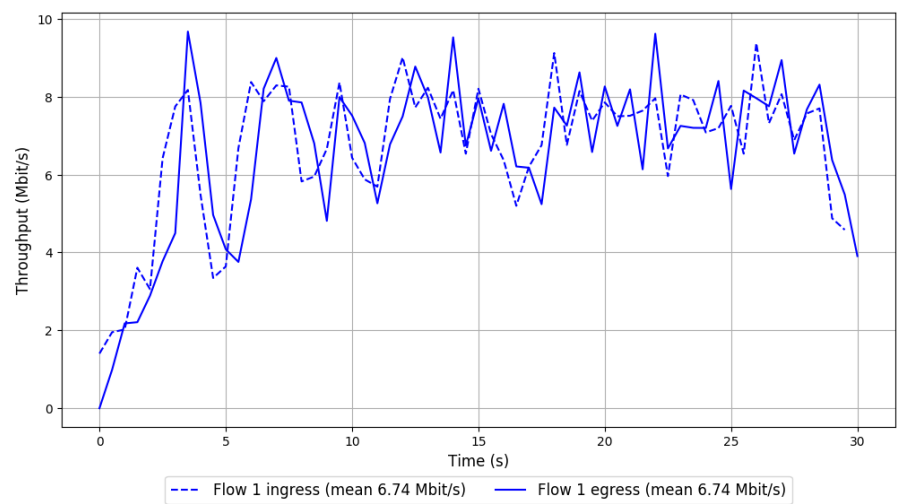
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 54.443 ms

Loss rate: 0.35%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

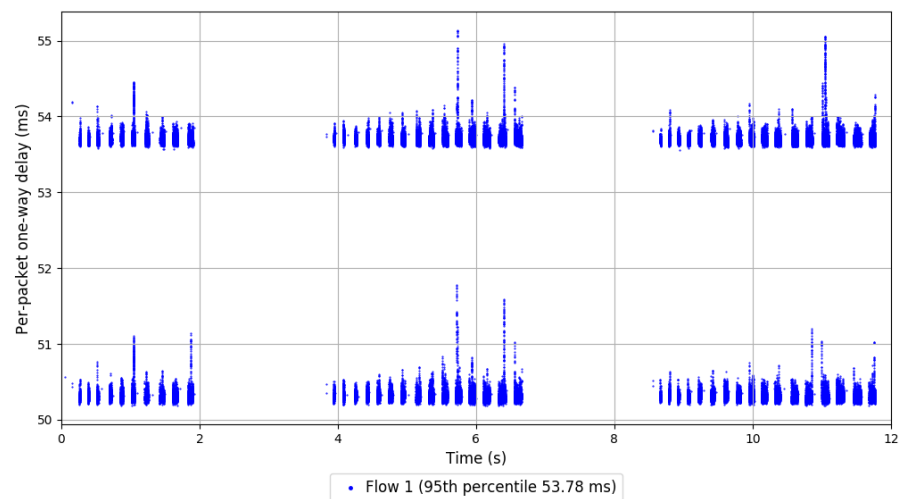
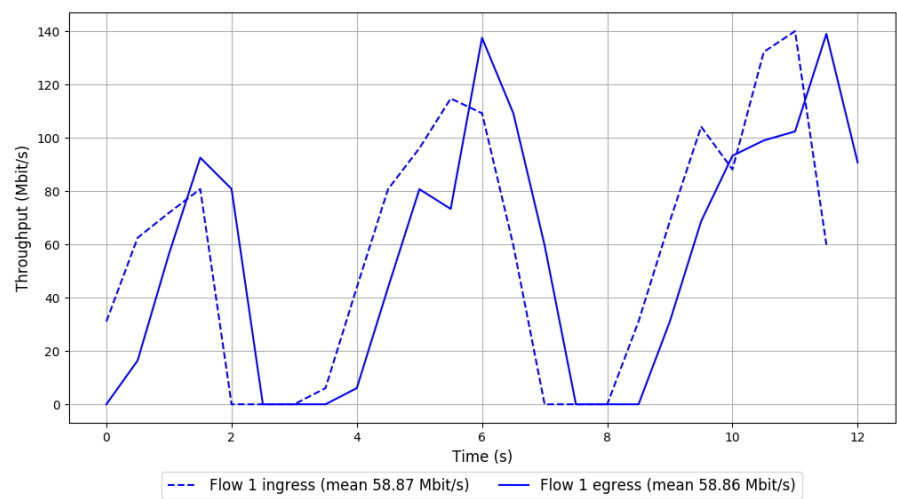
Start at: 2018-07-12 11:11:12

End at: 2018-07-12 11:11:42

Local clock offset: 0.101 ms

Remote clock offset: -0.033 ms

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



Run 2: Statistics of TaoVA-100x

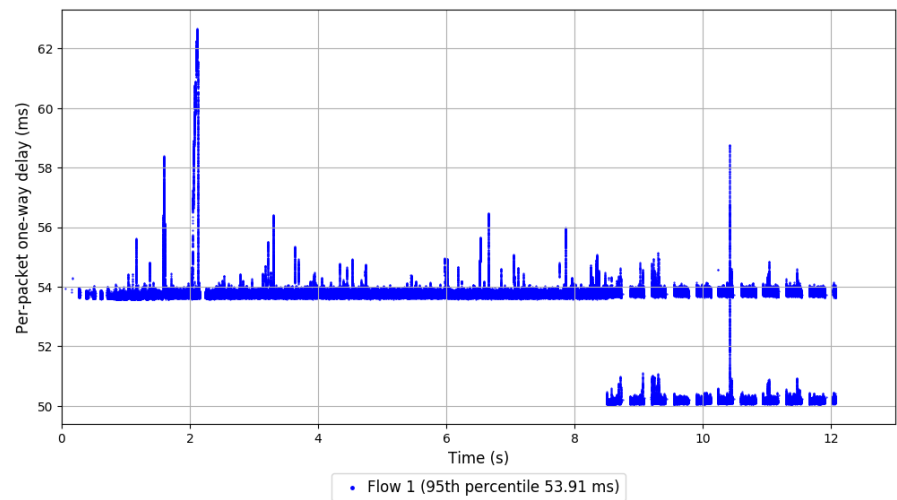
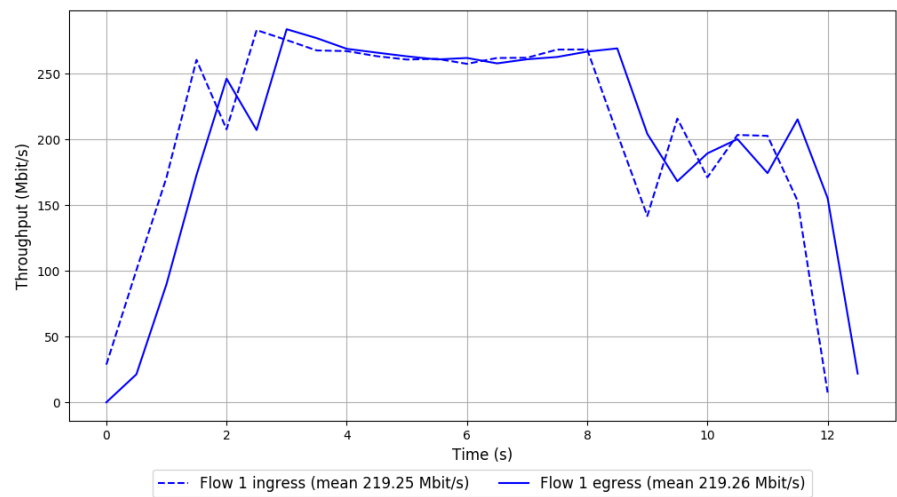
Start at: 2018-07-12 11:33:11

End at: 2018-07-12 11:33:41

Local clock offset: -0.006 ms

Remote clock offset: -0.187 ms

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

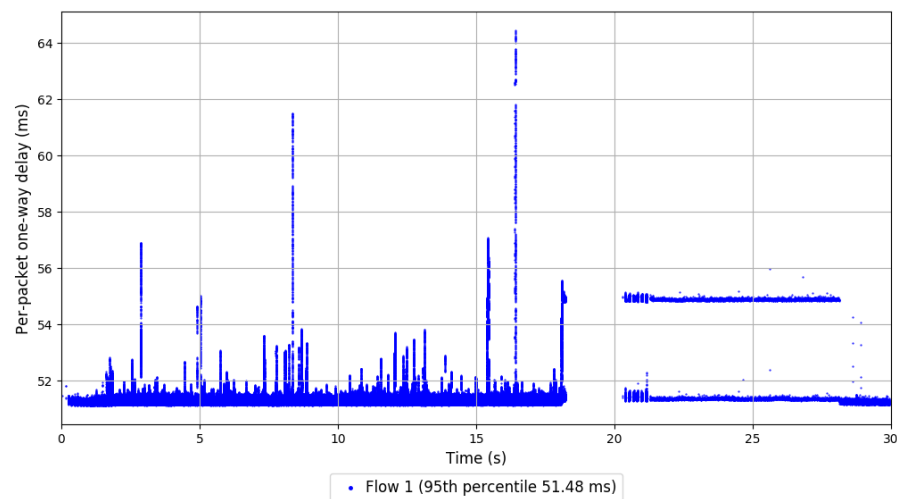
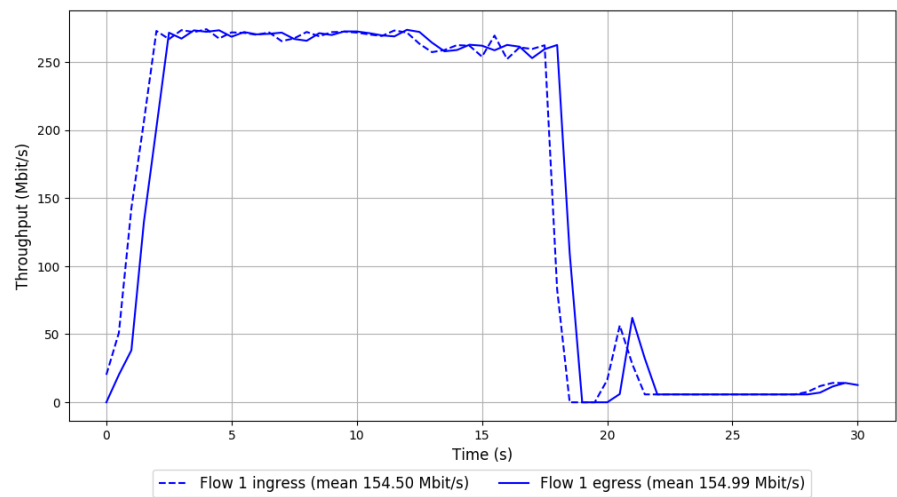


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-12 11:55:01
End at: 2018-07-12 11:55:31
Local clock offset: -0.004 ms
Remote clock offset: -1.331 ms

Below is generated by plot.py at 2018-07-12 16:13:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.99 Mbit/s
95th percentile per-packet one-way delay: 51.477 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 154.99 Mbit/s
95th percentile per-packet one-way delay: 51.477 ms
Loss rate: 0.03%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-12 12:17:06

End at: 2018-07-12 12:17:36

Local clock offset: -0.035 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-12 16:13:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.90 Mbit/s

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

Loss rate: 0.05%

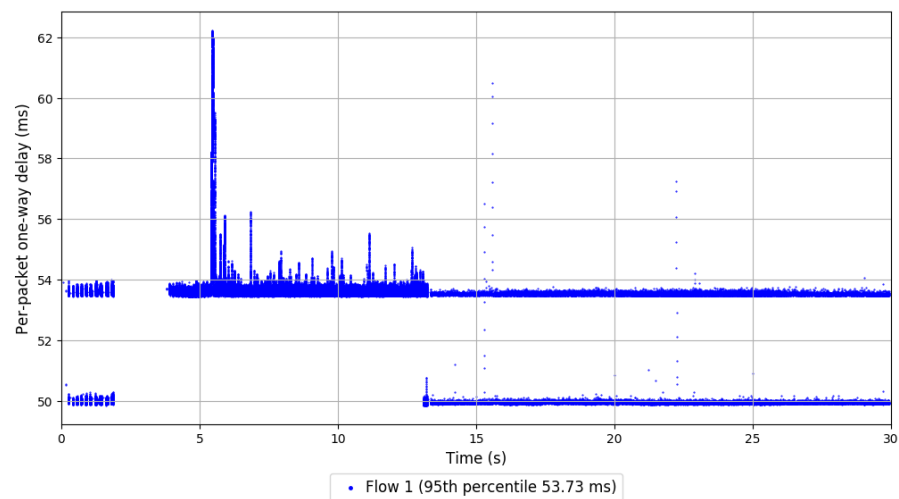
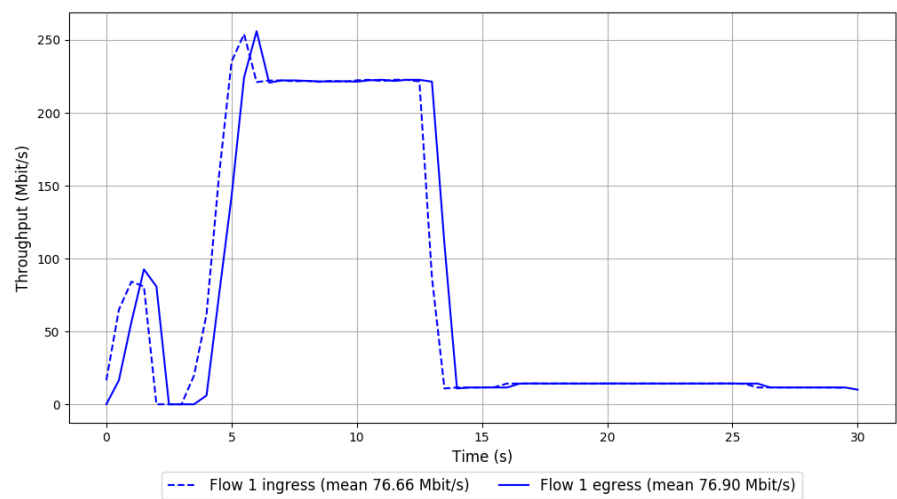
-- Flow 1:

Average throughput: 76.90 Mbit/s

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

Loss rate: 0.05%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-12 12:38:54

End at: 2018-07-12 12:39:24

Local clock offset: -0.255 ms

Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-12 16:13:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.15 Mbit/s

95th percentile per-packet one-way delay: 53.771 ms

Loss rate: 0.04%

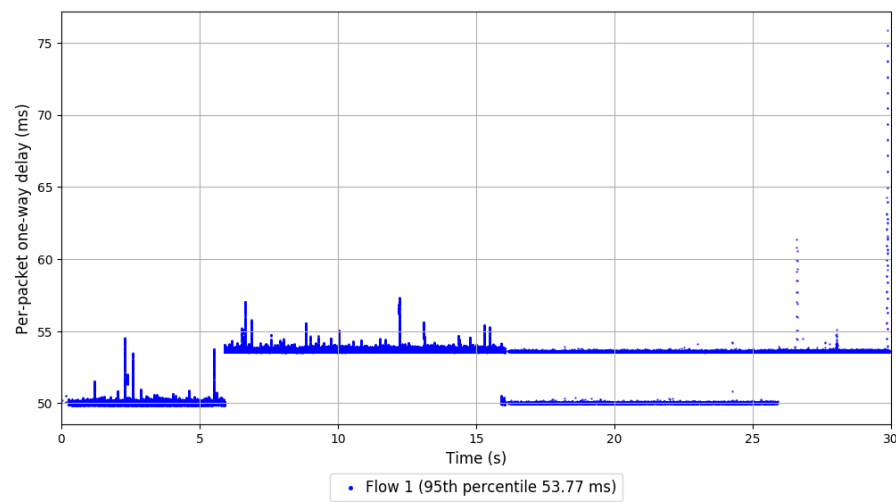
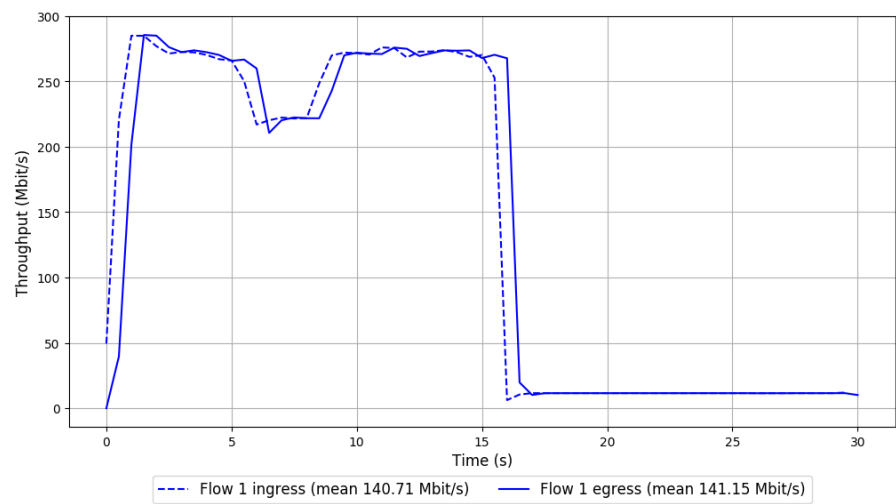
-- Flow 1:

Average throughput: 141.15 Mbit/s

95th percentile per-packet one-way delay: 53.771 ms

Loss rate: 0.04%

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



Run 6: Statistics of TaoVA-100x

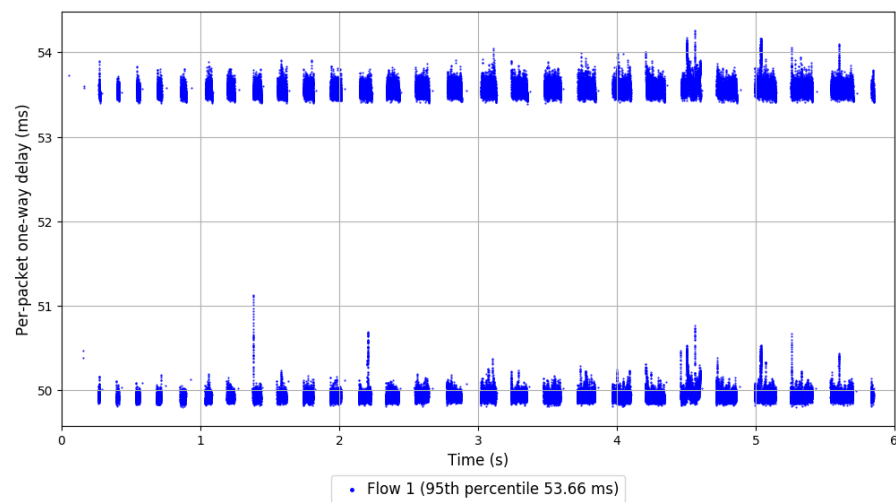
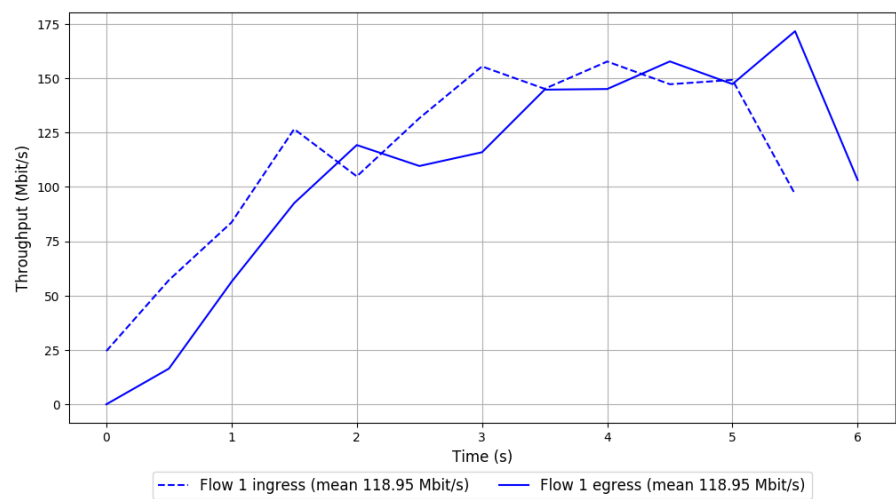
Start at: 2018-07-12 13:01:02

End at: 2018-07-12 13:01:32

Local clock offset: -0.069 ms

Remote clock offset: -0.014 ms

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

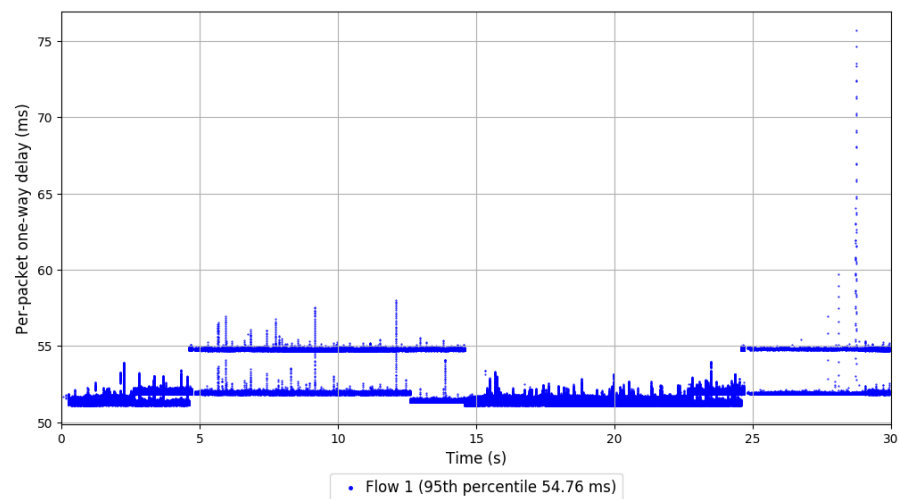
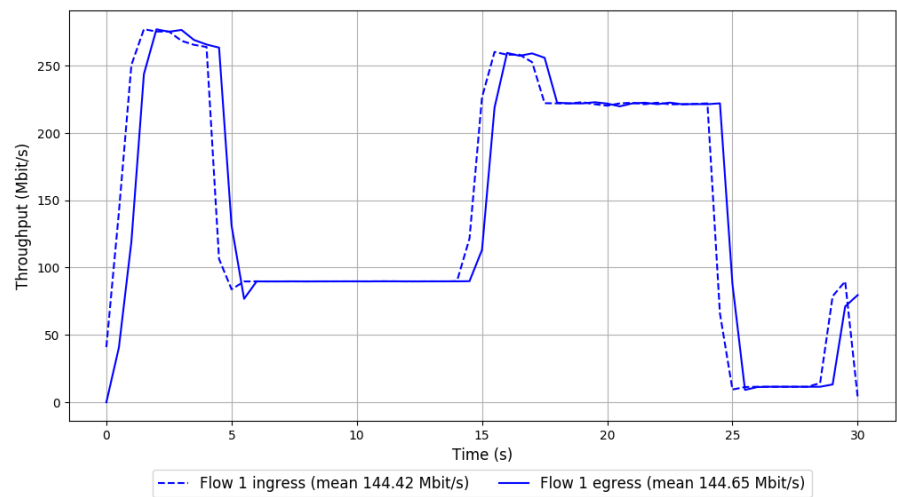


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-12 13:22:35
End at: 2018-07-12 13:23:05
Local clock offset: 0.093 ms
Remote clock offset: -1.179 ms

Below is generated by plot.py at 2018-07-12 16:14:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.65 Mbit/s
95th percentile per-packet one-way delay: 54.759 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 144.65 Mbit/s
95th percentile per-packet one-way delay: 54.759 ms
Loss rate: 0.28%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-12 13:44:11

End at: 2018-07-12 13:44:41

Local clock offset: -0.021 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-12 16:14:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 53.553 ms

Loss rate: 0.05%

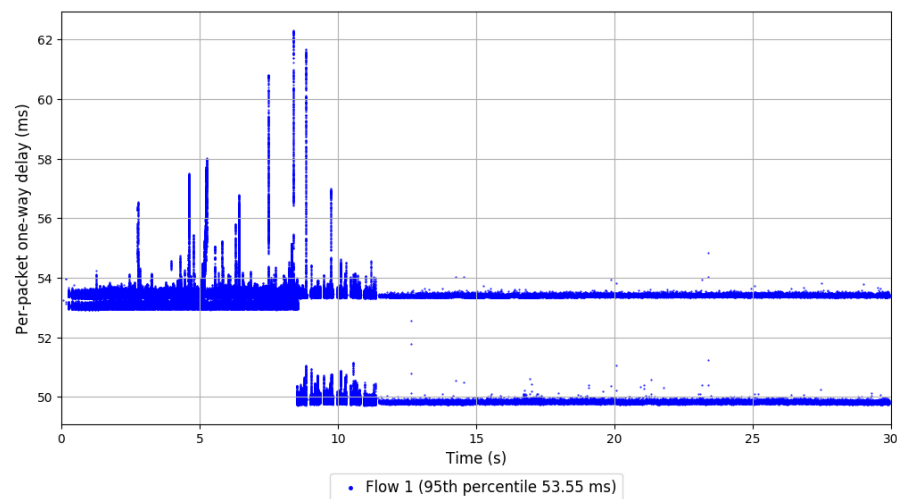
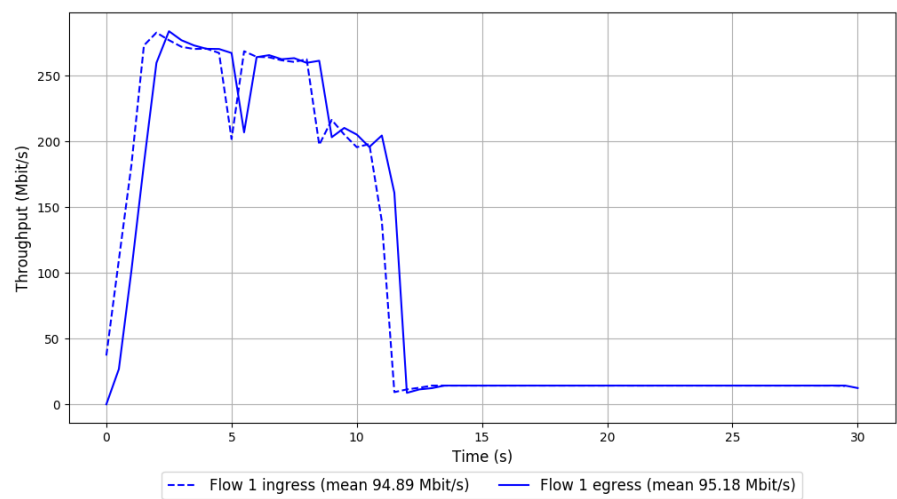
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 53.553 ms

Loss rate: 0.05%

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



Run 9: Statistics of TaoVA-100x

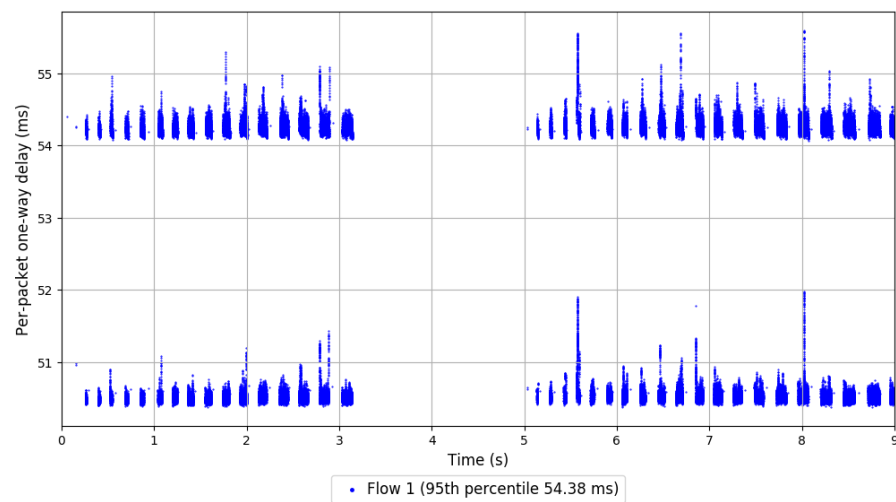
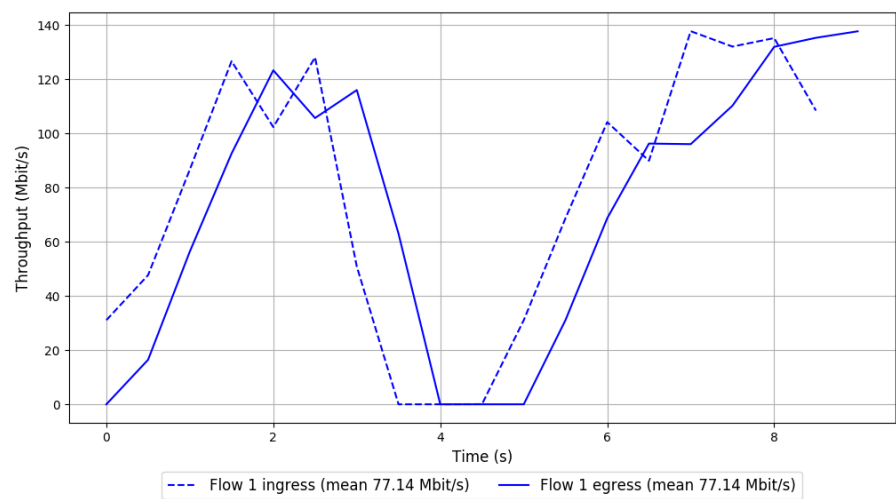
Start at: 2018-07-12 14:06:10

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

Local clock offset: 0.03 ms

Remote clock offset: -0.53 ms

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-12 14:27:42

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

Local clock offset: 0.078 ms

Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-07-12 16:14:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 54.953 ms

Loss rate: 0.30%

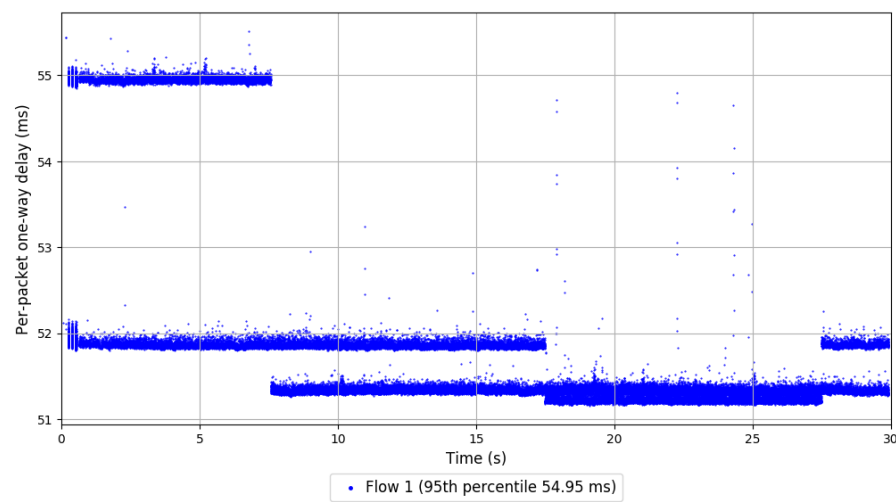
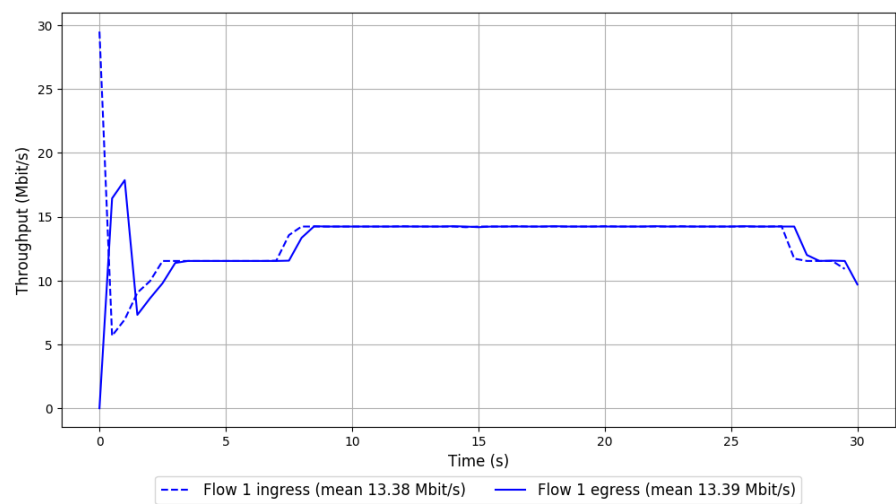
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 54.953 ms

Loss rate: 0.30%

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

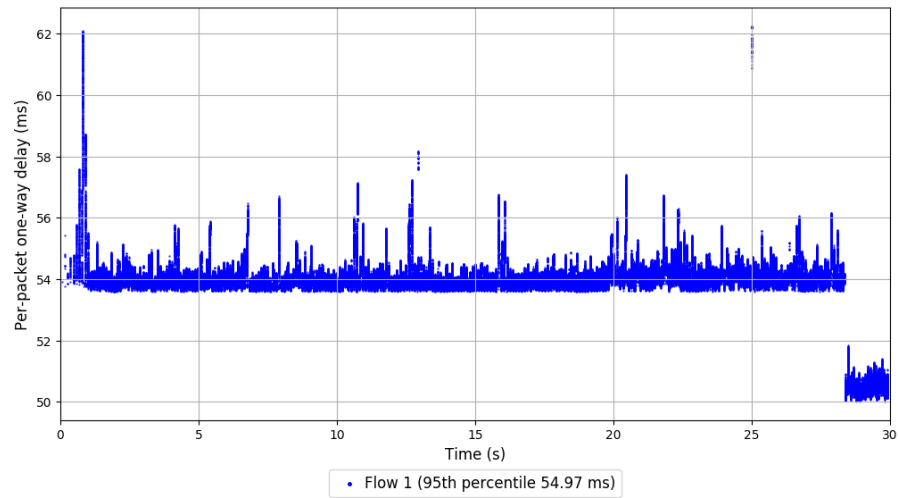
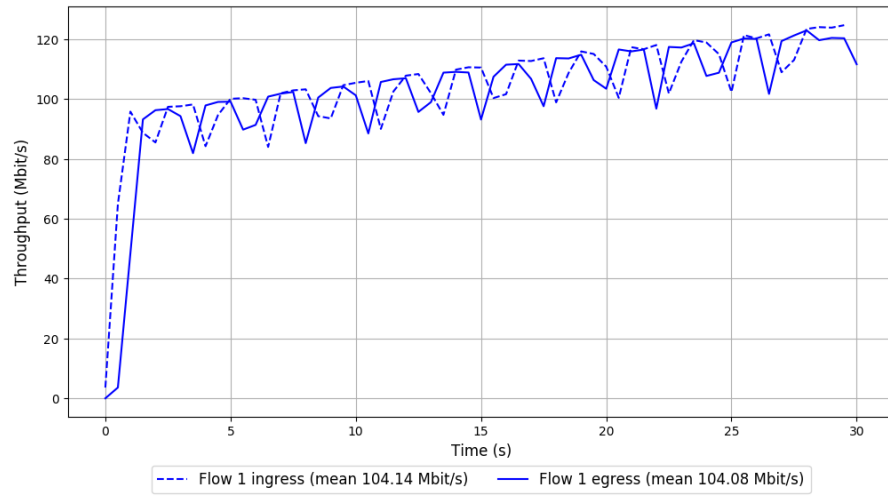


Run 1: Statistics of TCP Vegas

Start at: 2018-07-12 11:06:01
End at: 2018-07-12 11:06:31
Local clock offset: -0.059 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-07-12 16:14:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.08 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 104.08 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.40%

Run 1: Report of TCP Vegas — Data Link

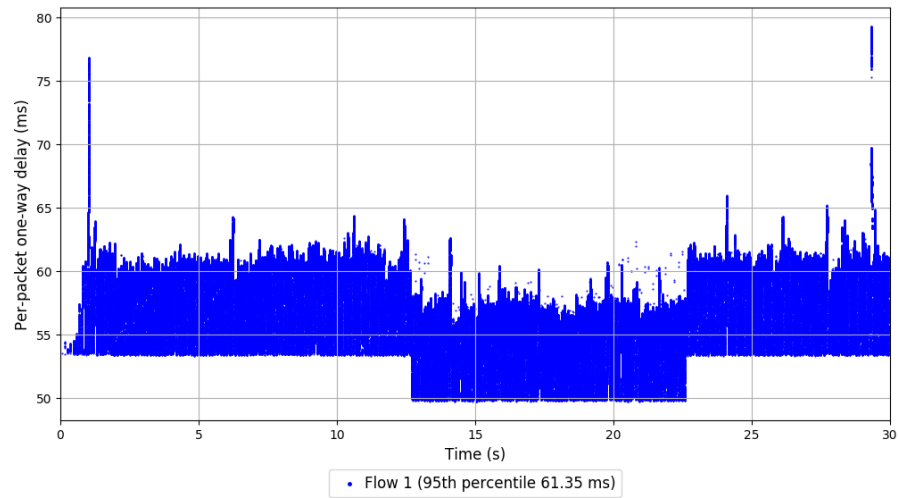
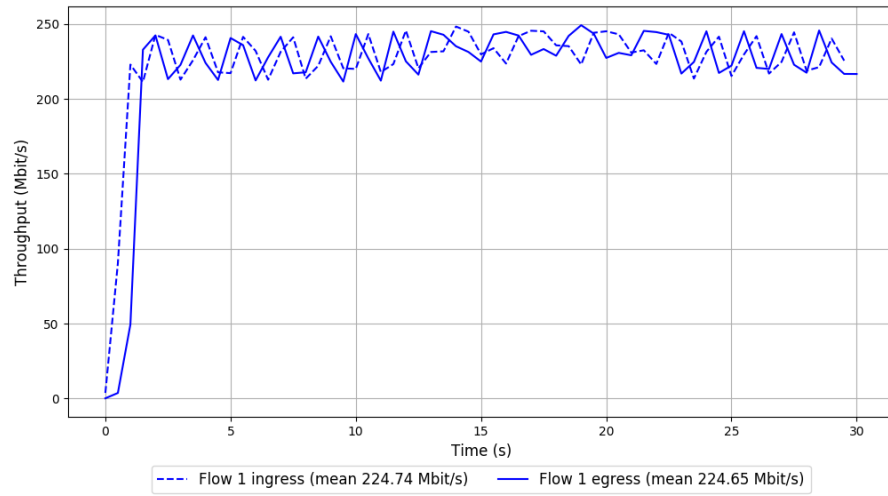


Run 2: Statistics of TCP Vegas

Start at: 2018-07-12 11:27:47
End at: 2018-07-12 11:28:17
Local clock offset: -0.269 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-12 16:15:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.65 Mbit/s
95th percentile per-packet one-way delay: 61.346 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 224.65 Mbit/s
95th percentile per-packet one-way delay: 61.346 ms
Loss rate: 0.38%

Run 2: Report of TCP Vegas — Data Link

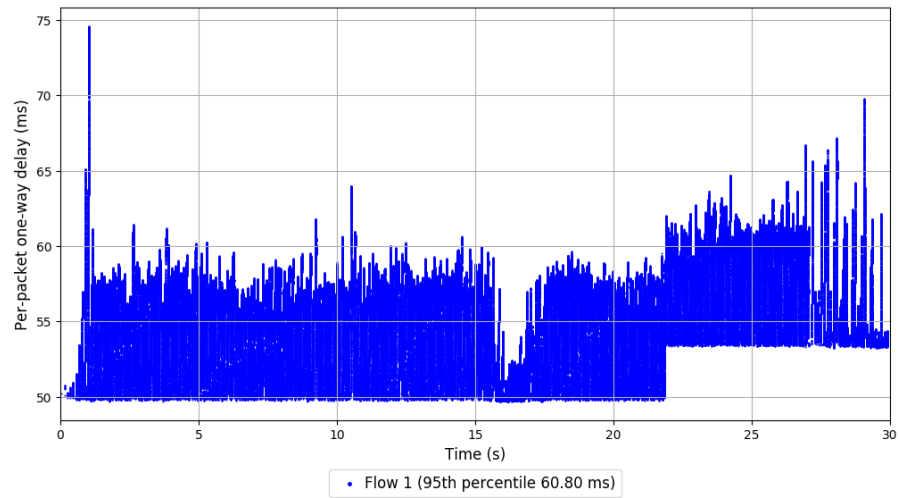
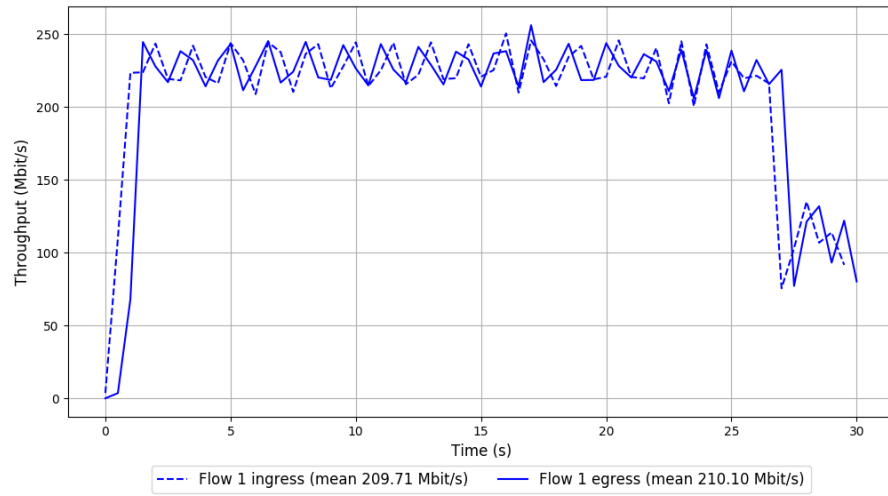


Run 3: Statistics of TCP Vegas

Start at: 2018-07-12 11:49:38
End at: 2018-07-12 11:50:08
Local clock offset: -0.046 ms
Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-12 16:15:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.10 Mbit/s
95th percentile per-packet one-way delay: 60.796 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 210.10 Mbit/s
95th percentile per-packet one-way delay: 60.796 ms
Loss rate: 0.16%

Run 3: Report of TCP Vegas — Data Link

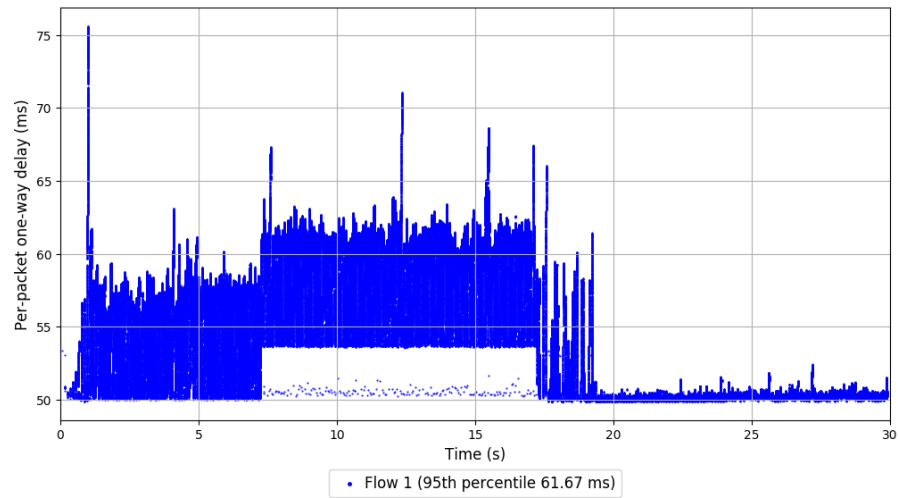
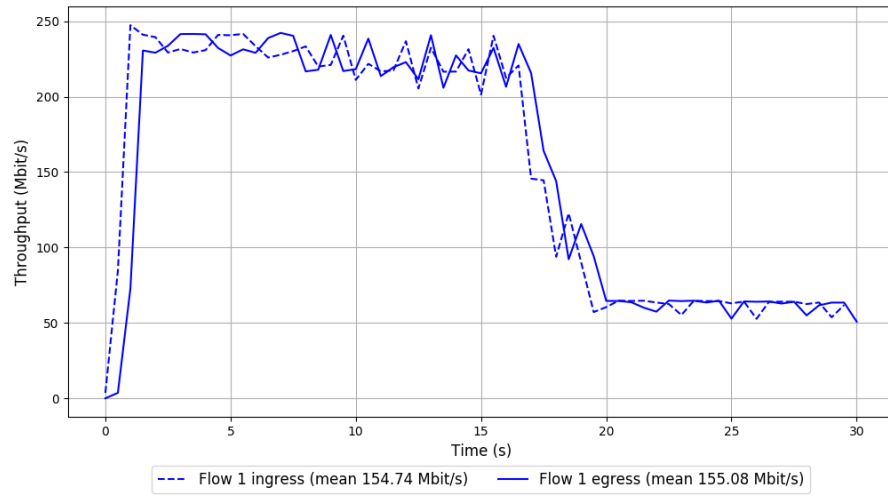


Run 4: Statistics of TCP Vegas

Start at: 2018-07-12 12:11:42
End at: 2018-07-12 12:12:12
Local clock offset: -0.038 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-12 16:15:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 0.14%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-12 12:33:38

End at: 2018-07-12 12:34:08

Local clock offset: 0.029 ms

Remote clock offset: 1.14 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.97 Mbit/s

95th percentile per-packet one-way delay: 53.441 ms

Loss rate: 0.35%

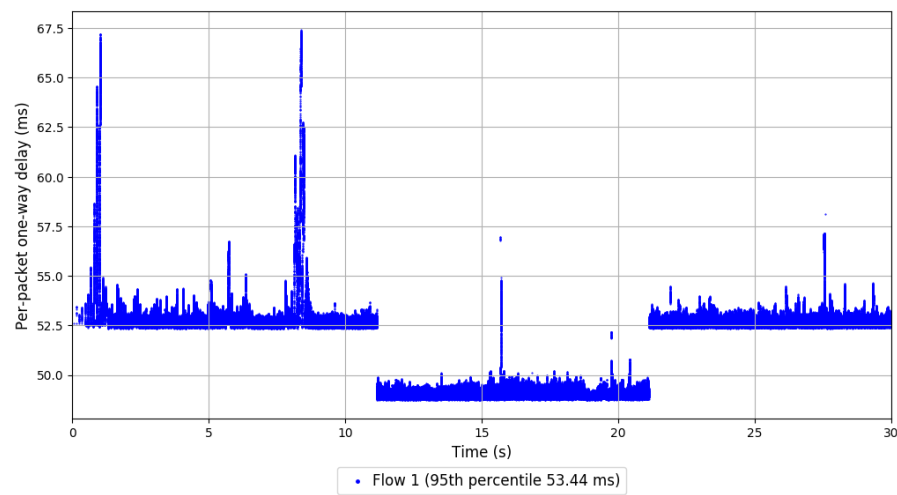
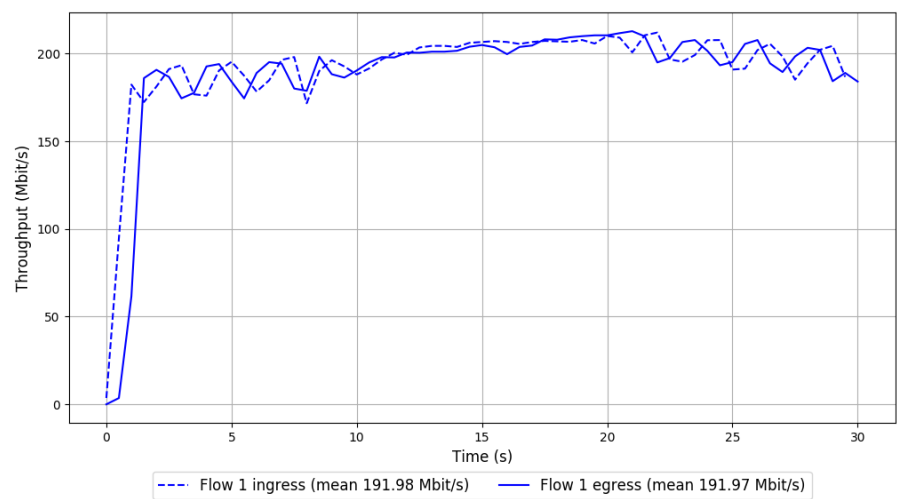
-- Flow 1:

Average throughput: 191.97 Mbit/s

95th percentile per-packet one-way delay: 53.441 ms

Loss rate: 0.35%

Run 5: Report of TCP Vegas — Data Link

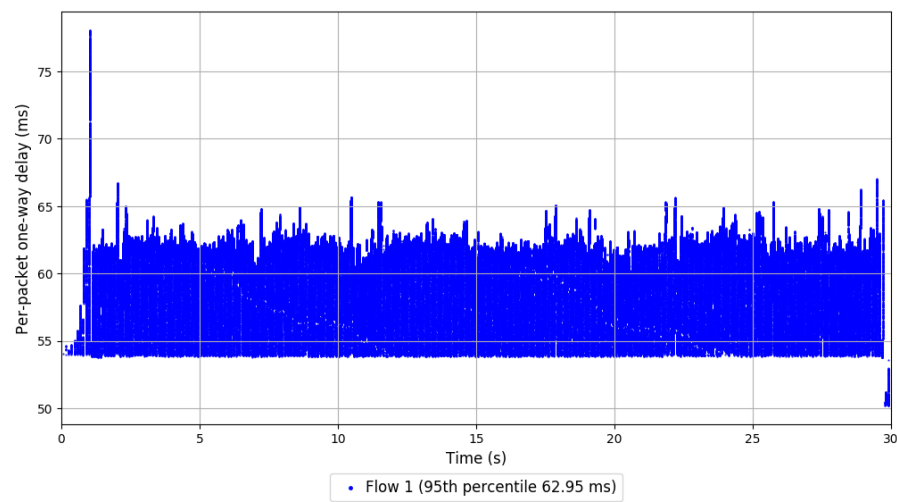
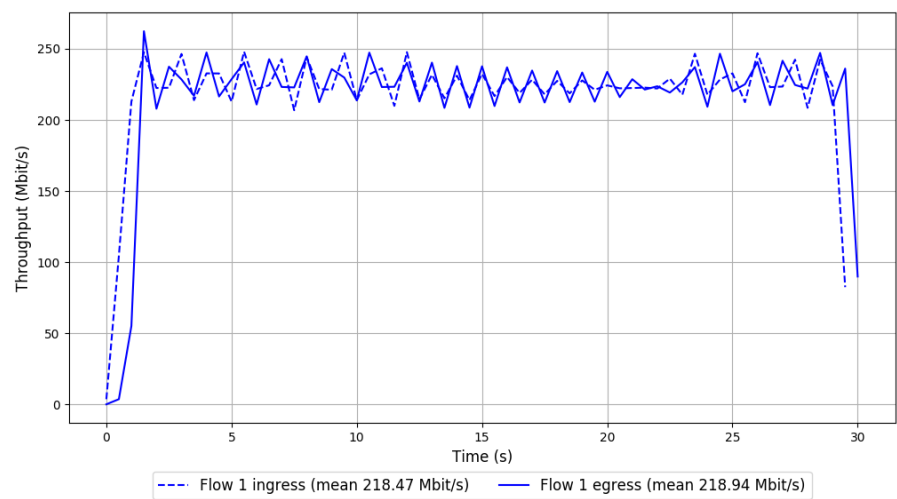


Run 6: Statistics of TCP Vegas

Start at: 2018-07-12 12:55:30
End at: 2018-07-12 12:56:00
Local clock offset: 0.006 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-07-12 16:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.94 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 218.94 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.13%

Run 6: Report of TCP Vegas — Data Link

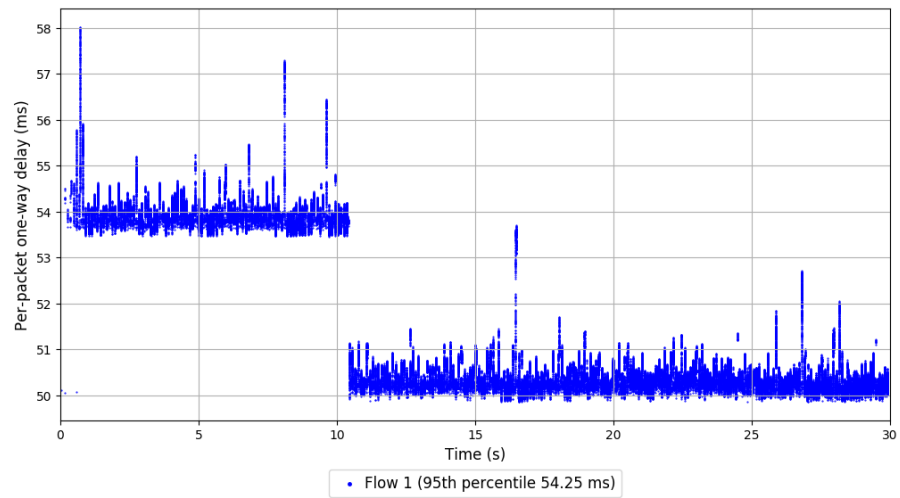
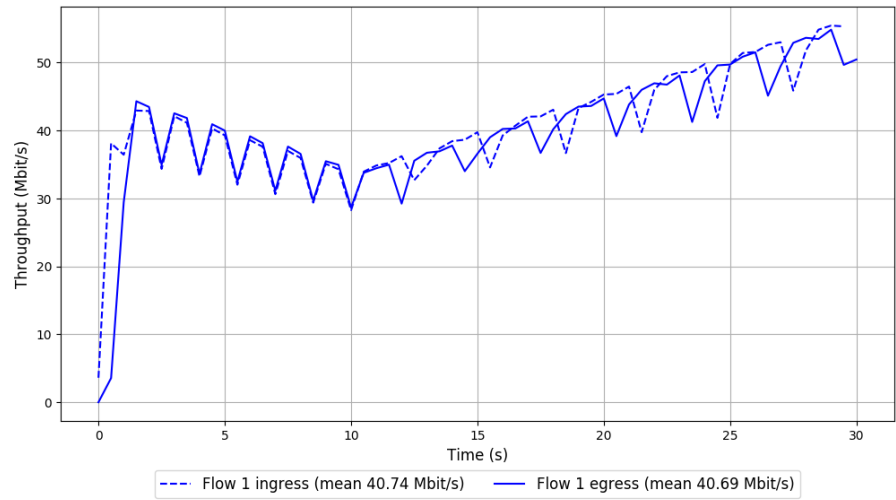


Run 7: Statistics of TCP Vegas

Start at: 2018-07-12 13:17:29
End at: 2018-07-12 13:17:59
Local clock offset: -0.03 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-12 16:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 54.253 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 54.253 ms
Loss rate: 0.46%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

End at: 2018-07-12 13:39:36

Local clock offset: -0.055 ms

Remote clock offset: 1.168 ms

Below is generated by plot.py at 2018-07-12 16:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.81 Mbit/s

95th percentile per-packet one-way delay: 53.120 ms

Loss rate: 0.53%

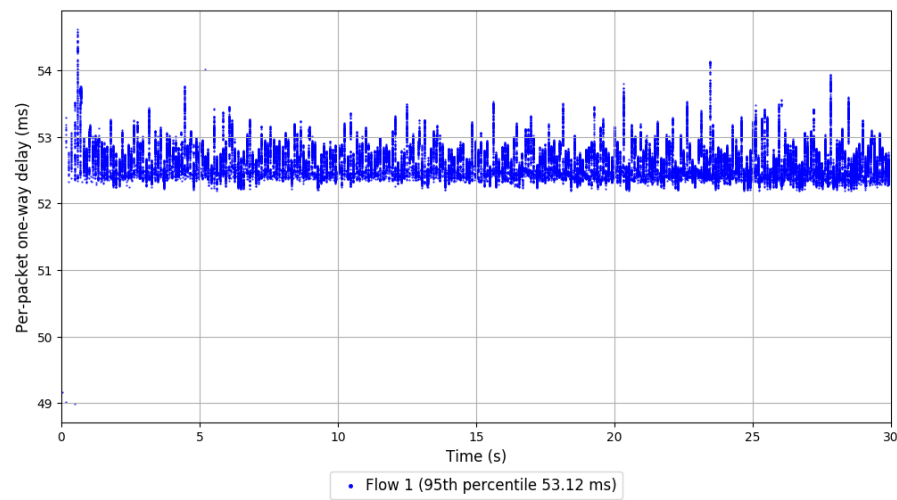
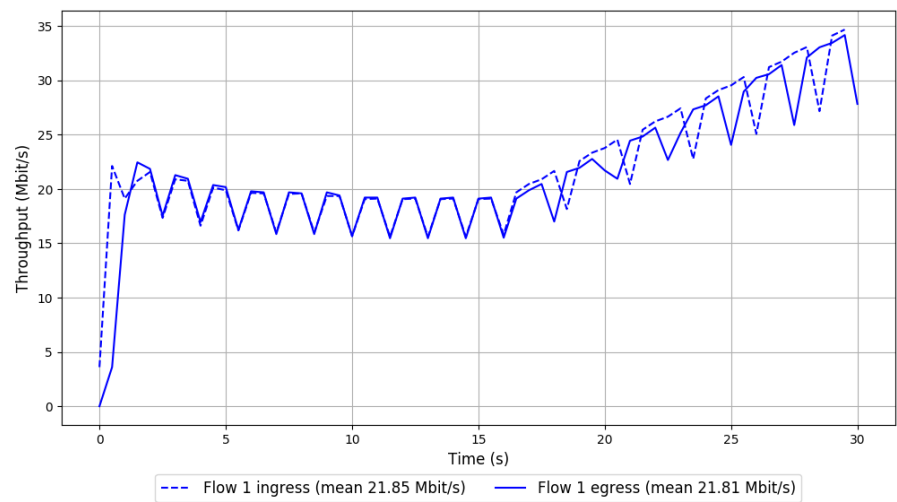
-- Flow 1:

Average throughput: 21.81 Mbit/s

95th percentile per-packet one-way delay: 53.120 ms

Loss rate: 0.53%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-12 14:00:49

End at: 2018-07-12 14:01:19

Local clock offset: 0.011 ms

Remote clock offset: 1.115 ms

Below is generated by plot.py at 2018-07-12 16:17:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 60.365 ms

Loss rate: 0.17%

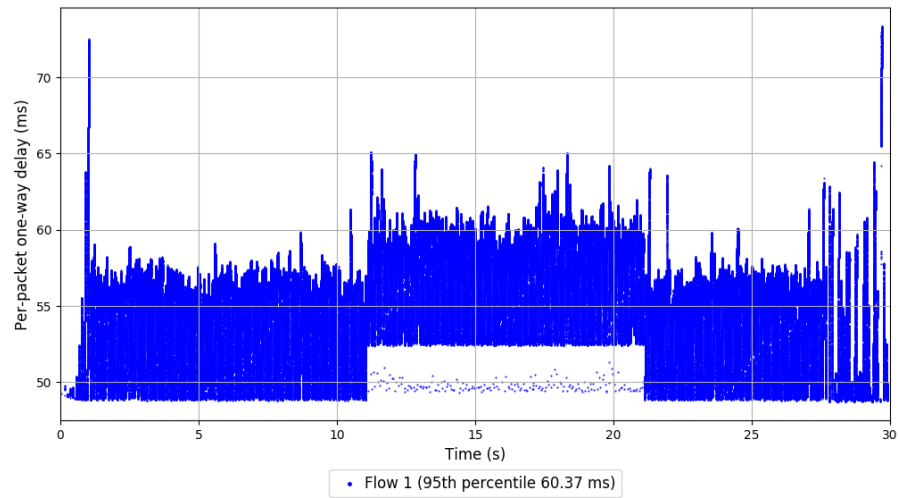
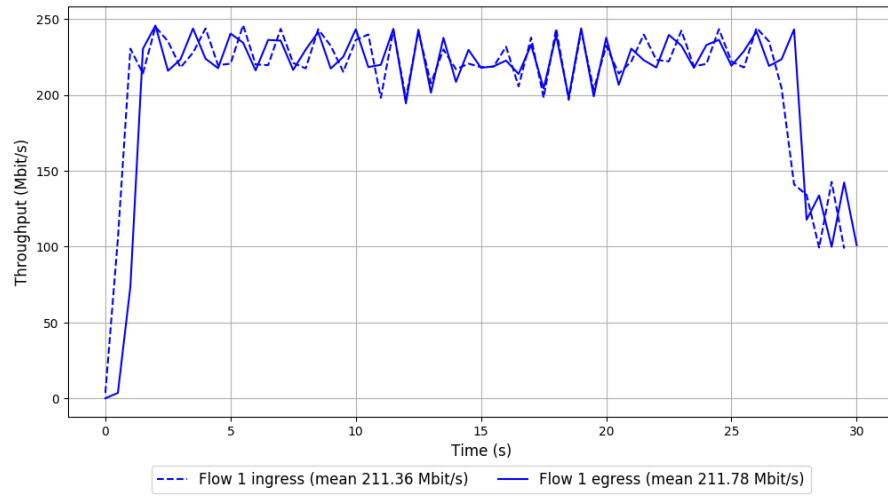
-- Flow 1:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 60.365 ms

Loss rate: 0.17%

Run 9: Report of TCP Vegas — Data Link

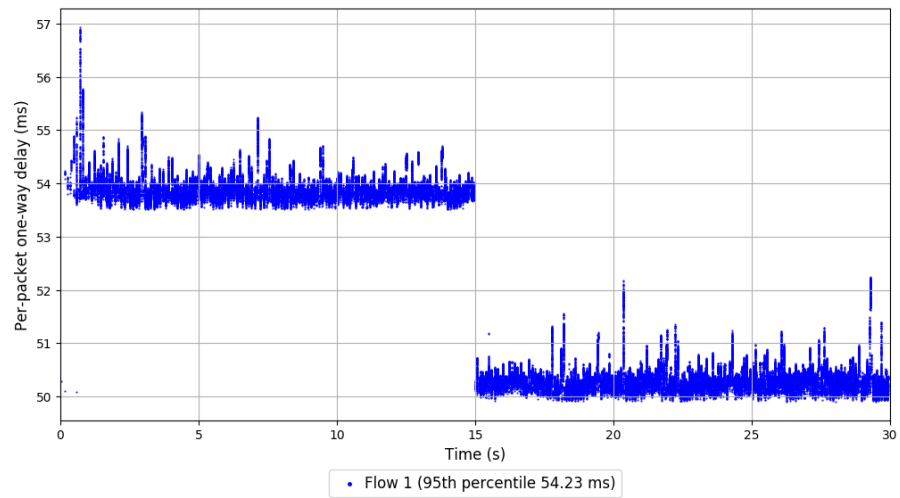
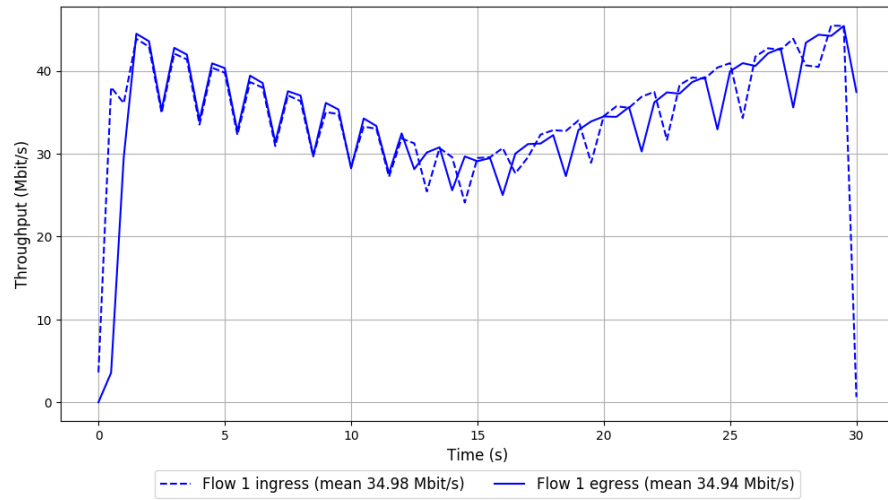


Run 10: Statistics of TCP Vegas

Start at: 2018-07-12 14:22:35
End at: 2018-07-12 14:23:05
Local clock offset: -0.128 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-07-12 16:17:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 54.226 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 54.226 ms
Loss rate: 0.44%

Run 10: Report of TCP Vegas — Data Link

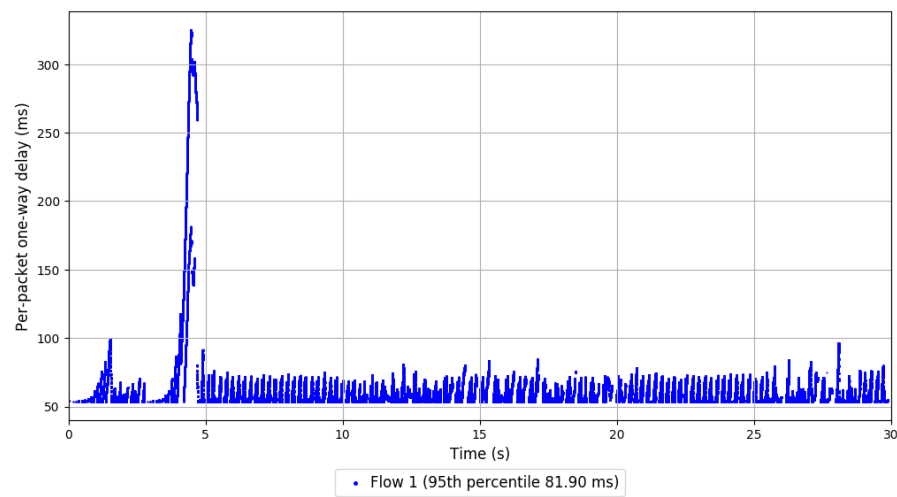
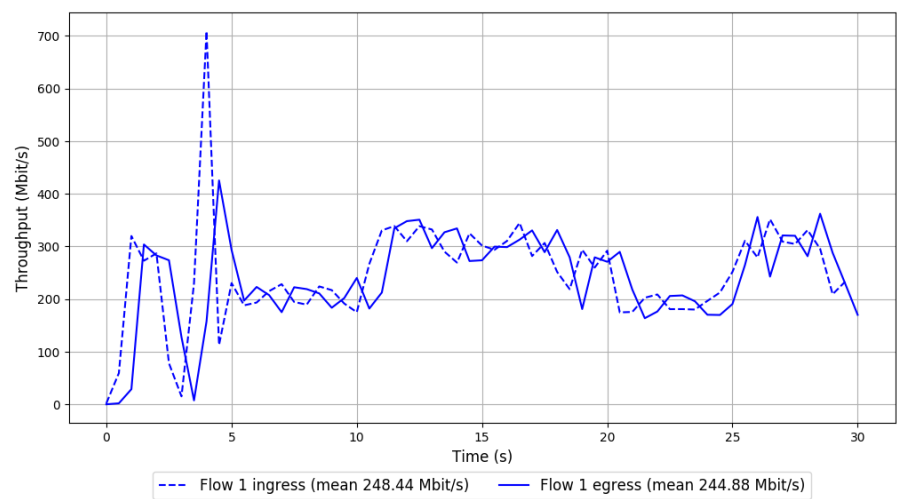


Run 1: Statistics of Verus

Start at: 2018-07-12 11:18:54
End at: 2018-07-12 11:19:24
Local clock offset: -0.013 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-12 16:18:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.88 Mbit/s
95th percentile per-packet one-way delay: 81.899 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 244.88 Mbit/s
95th percentile per-packet one-way delay: 81.899 ms
Loss rate: 1.79%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-12 11:40:45

End at: 2018-07-12 11:41:15

Local clock offset: 0.008 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-07-12 16:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.49 Mbit/s

95th percentile per-packet one-way delay: 115.202 ms

Loss rate: 1.63%

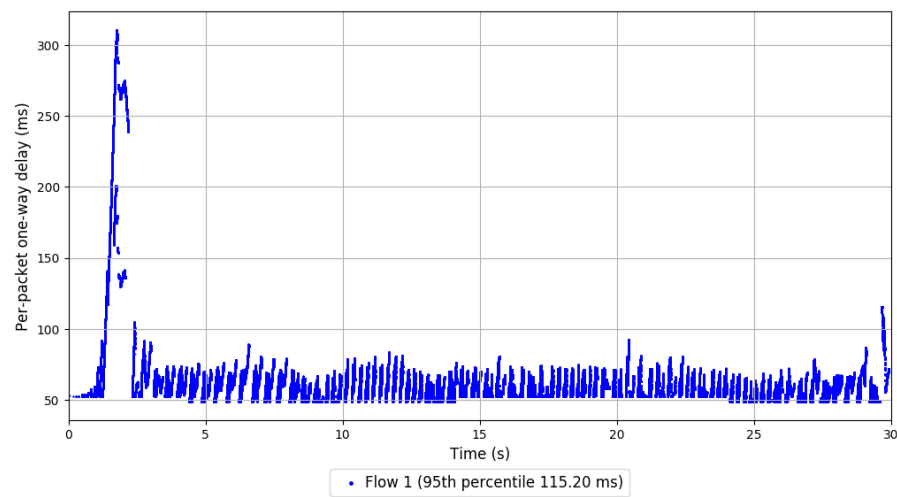
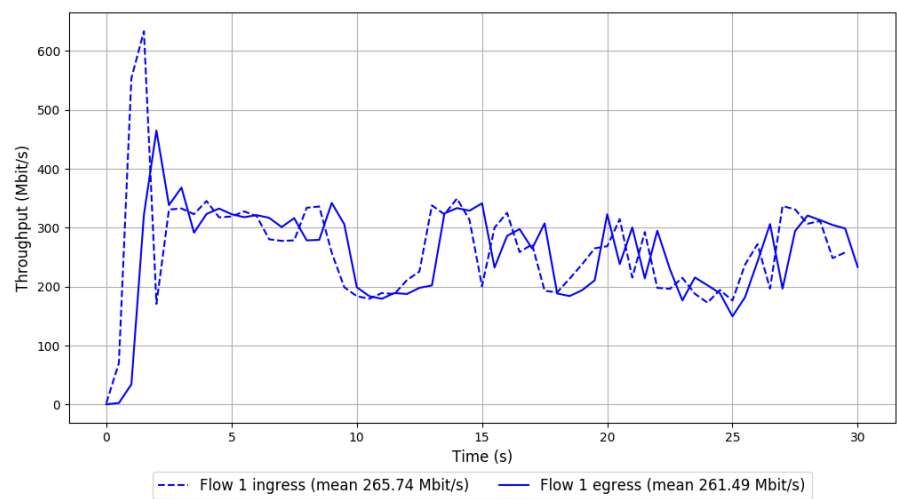
-- Flow 1:

Average throughput: 261.49 Mbit/s

95th percentile per-packet one-way delay: 115.202 ms

Loss rate: 1.63%

Run 2: Report of Verus — Data Link

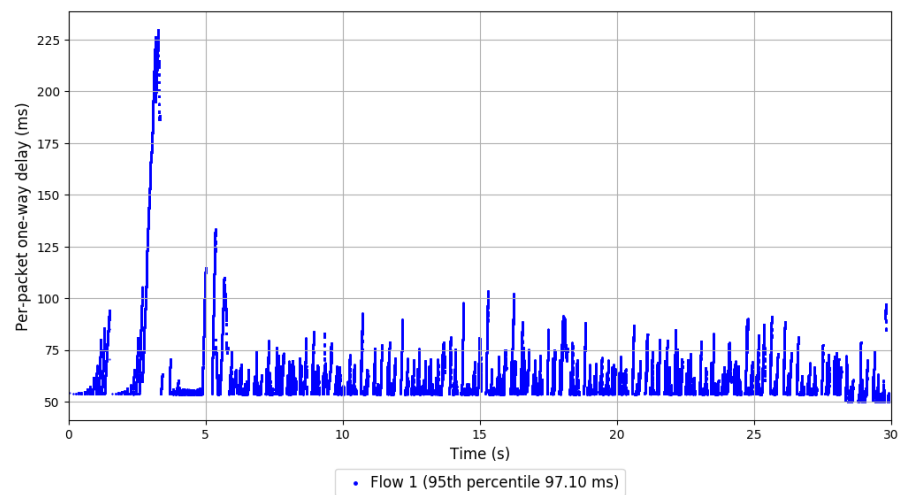
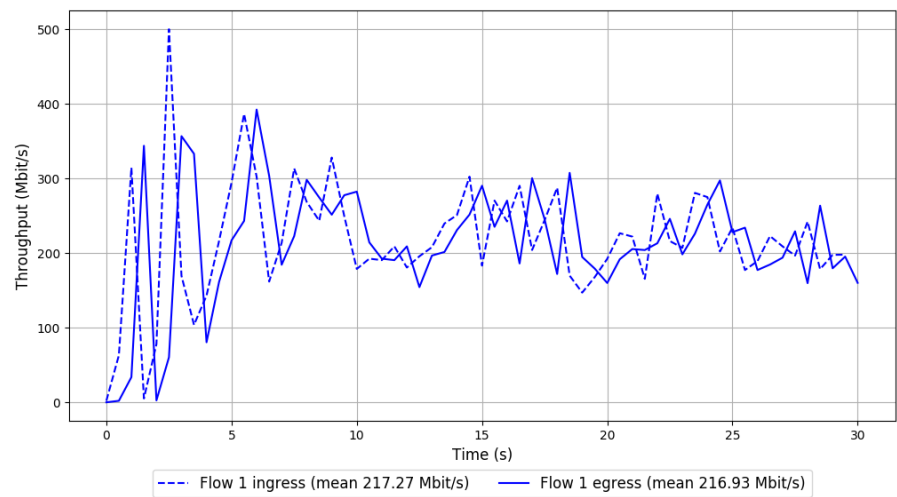


Run 3: Statistics of Verus

Start at: 2018-07-12 12:02:51
End at: 2018-07-12 12:03:21
Local clock offset: -0.157 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-07-12 16:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.93 Mbit/s
95th percentile per-packet one-way delay: 97.096 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 216.93 Mbit/s
95th percentile per-packet one-way delay: 97.096 ms
Loss rate: 0.52%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-12 12:24:50

End at: 2018-07-12 12:25:20

Local clock offset: -0.108 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-12 16:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.27 Mbit/s

95th percentile per-packet one-way delay: 120.172 ms

Loss rate: 0.83%

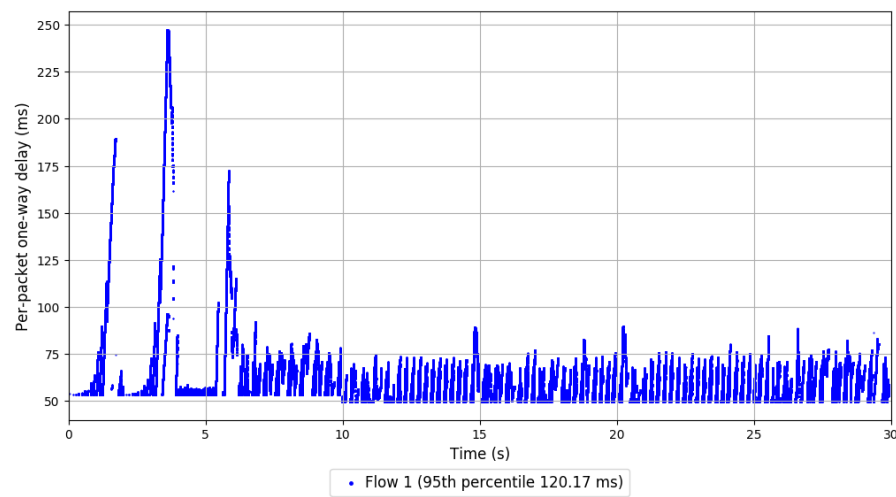
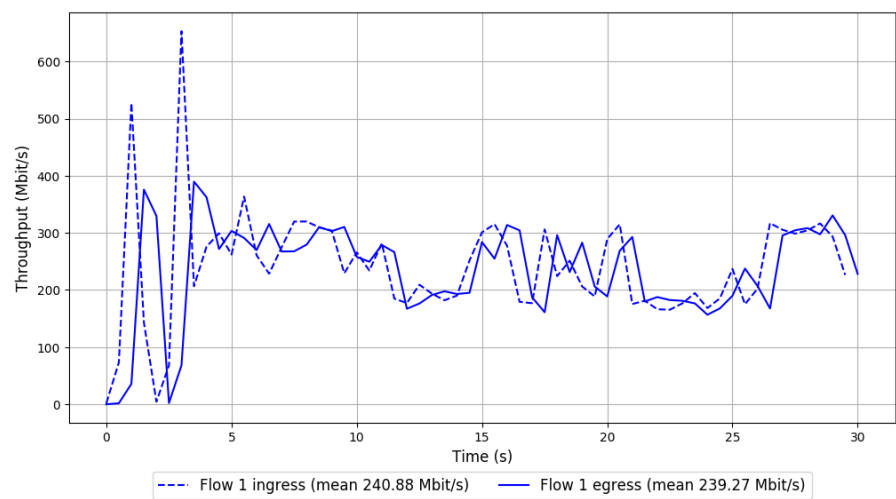
-- Flow 1:

Average throughput: 239.27 Mbit/s

95th percentile per-packet one-way delay: 120.172 ms

Loss rate: 0.83%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-12 12:46:41

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

Local clock offset: 0.025 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-12 16:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.70 Mbit/s

95th percentile per-packet one-way delay: 161.170 ms

Loss rate: 1.70%

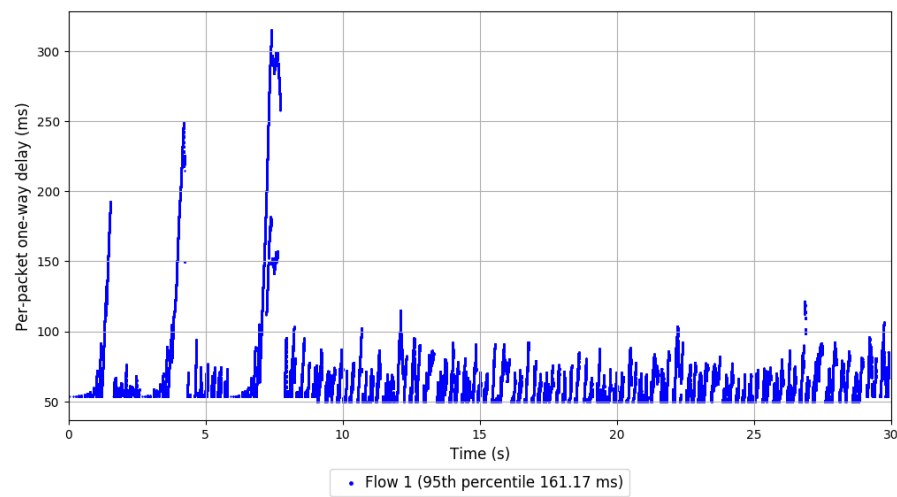
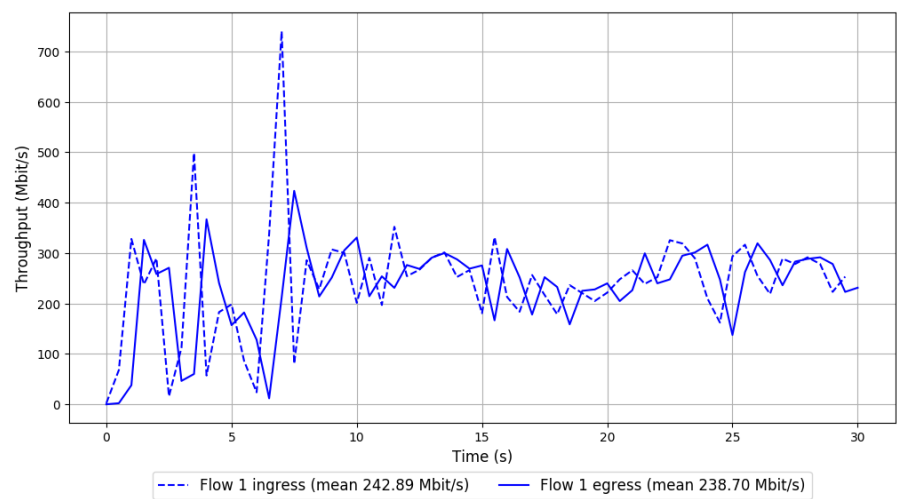
-- Flow 1:

Average throughput: 238.70 Mbit/s

95th percentile per-packet one-way delay: 161.170 ms

Loss rate: 1.70%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-12 13:08:31

End at: 2018-07-12 13:09:01

Local clock offset: -0.039 ms

Remote clock offset: 1.165 ms

Below is generated by plot.py at 2018-07-12 16:21:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.70 Mbit/s

95th percentile per-packet one-way delay: 82.946 ms

Loss rate: 1.42%

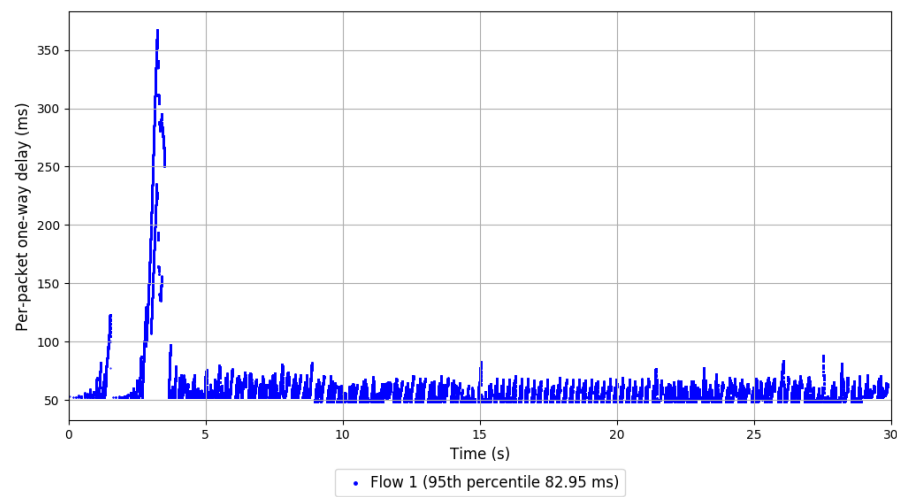
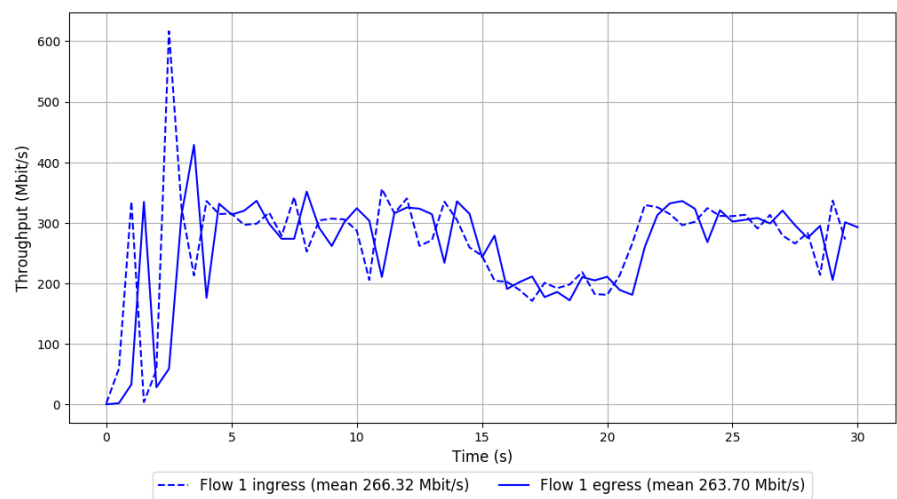
-- Flow 1:

Average throughput: 263.70 Mbit/s

95th percentile per-packet one-way delay: 82.946 ms

Loss rate: 1.42%

Run 6: Report of Verus — Data Link

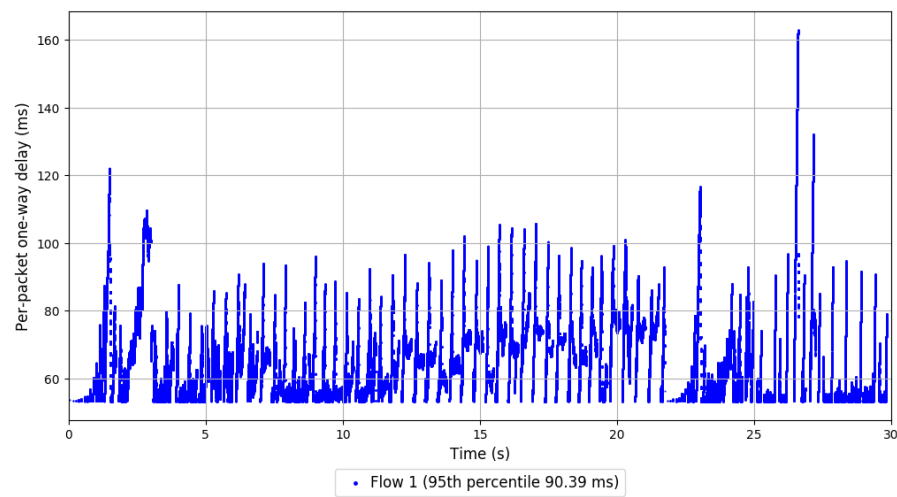
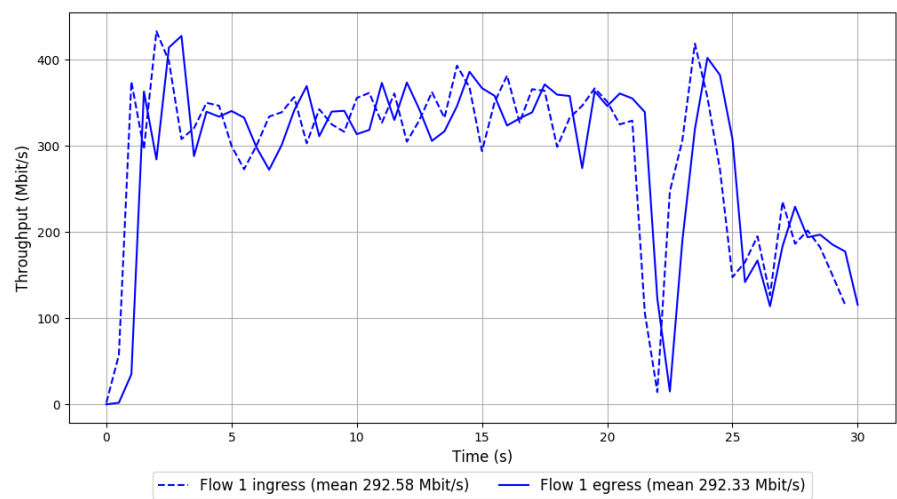


Run 7: Statistics of Verus

Start at: 2018-07-12 13:30:11
End at: 2018-07-12 13:30:41
Local clock offset: -0.277 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-12 16:22:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 292.33 Mbit/s
95th percentile per-packet one-way delay: 90.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 292.33 Mbit/s
95th percentile per-packet one-way delay: 90.392 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-12 13:51:53

End at: 2018-07-12 13:52:23

Local clock offset: -0.025 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-07-12 16:22:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.27 Mbit/s

95th percentile per-packet one-way delay: 86.380 ms

Loss rate: 1.00%

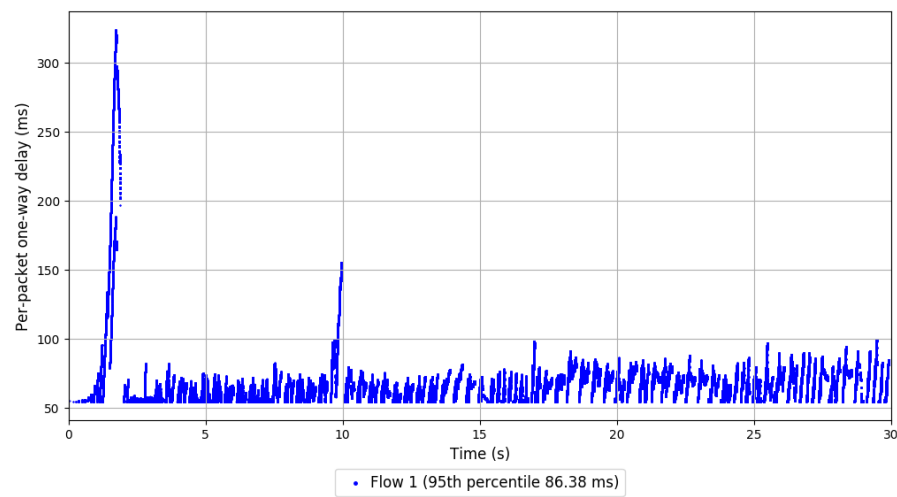
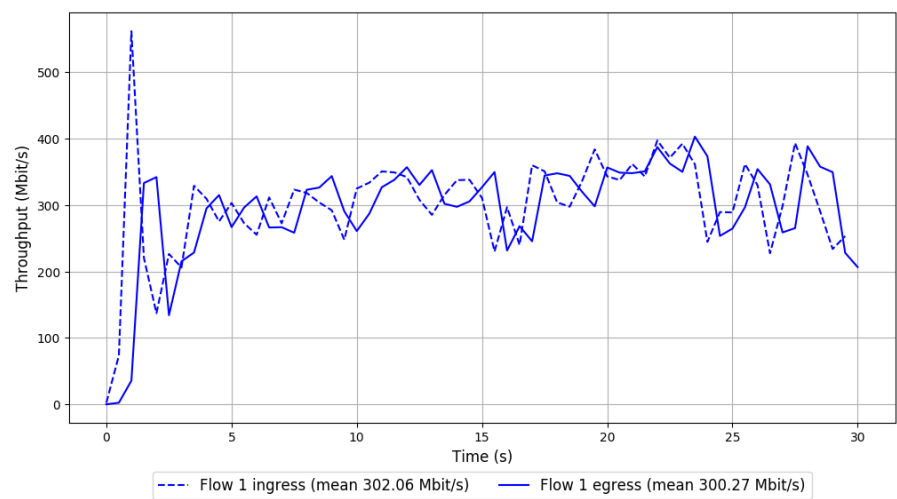
-- Flow 1:

Average throughput: 300.27 Mbit/s

95th percentile per-packet one-way delay: 86.380 ms

Loss rate: 1.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-12 14:13:38

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

Local clock offset: 0.22 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-12 16:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.13 Mbit/s

95th percentile per-packet one-way delay: 90.631 ms

Loss rate: 1.05%

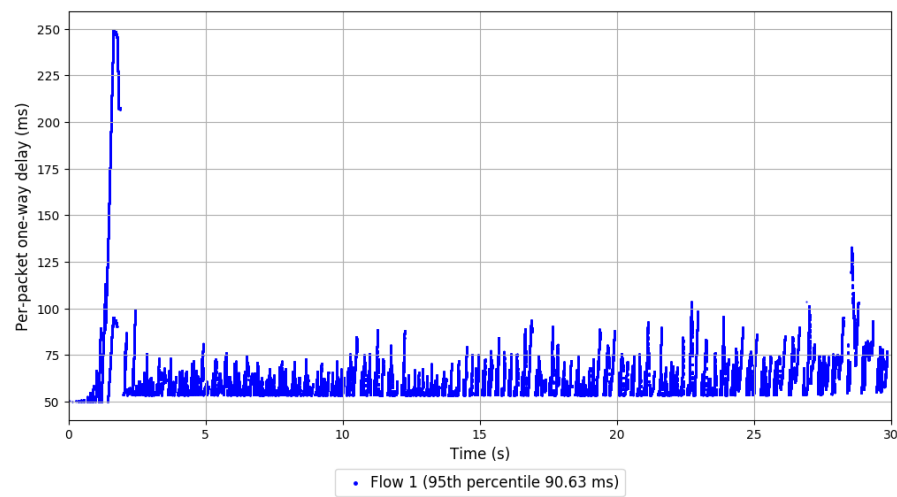
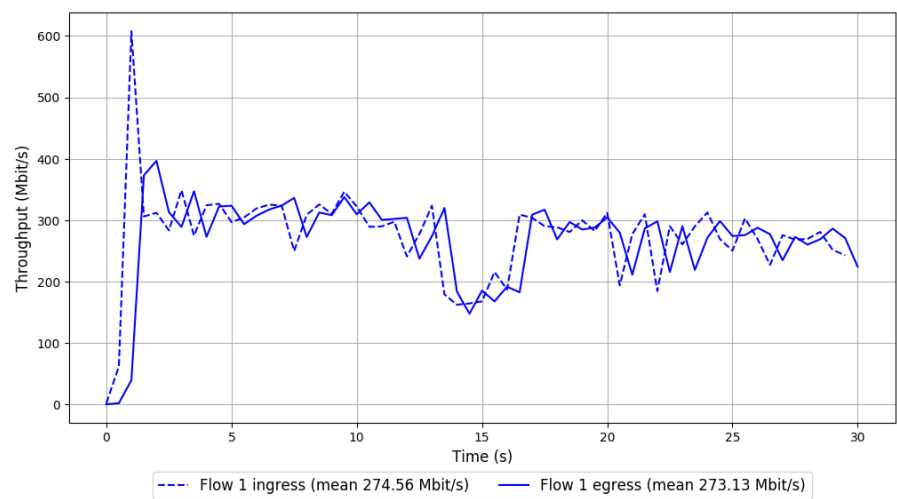
-- Flow 1:

Average throughput: 273.13 Mbit/s

95th percentile per-packet one-way delay: 90.631 ms

Loss rate: 1.05%

Run 9: Report of Verus — Data Link

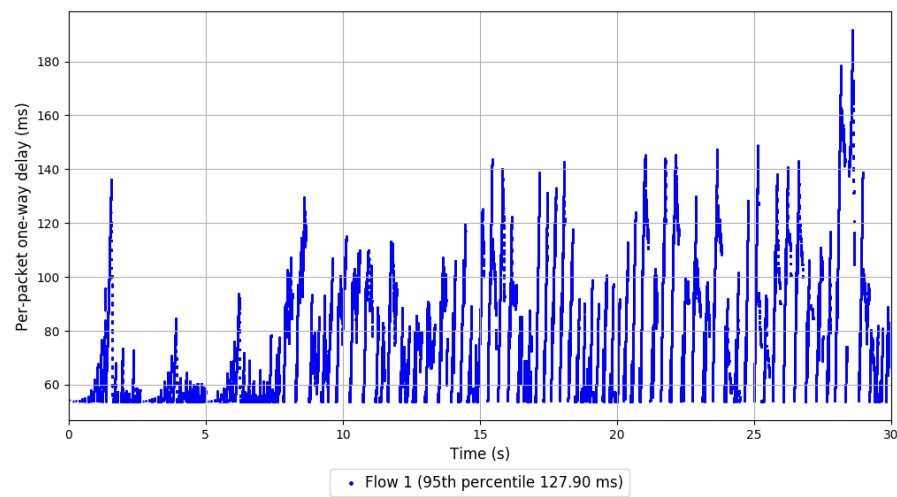
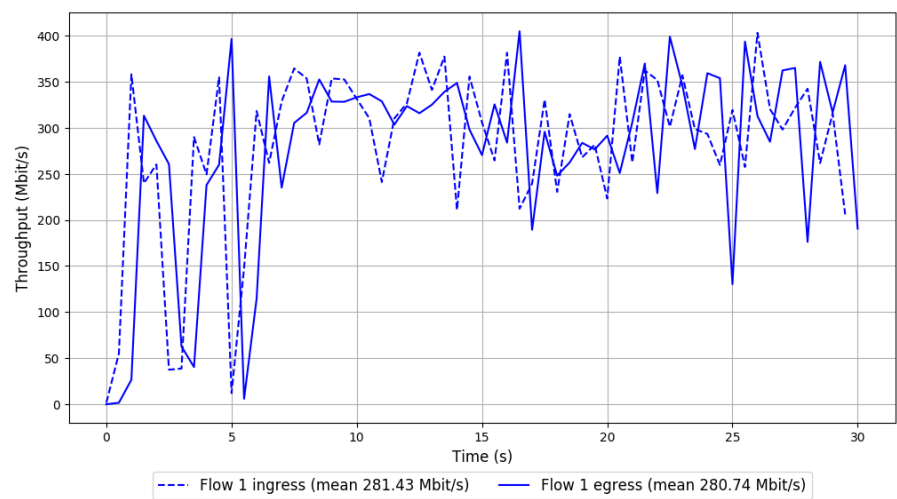


Run 10: Statistics of Verus

Start at: 2018-07-12 14:35:05
End at: 2018-07-12 14:35:35
Local clock offset: 0.062 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-12 16:23:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.74 Mbit/s
95th percentile per-packet one-way delay: 127.896 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 280.74 Mbit/s
95th percentile per-packet one-way delay: 127.896 ms
Loss rate: 0.20%

Run 10: Report of Verus — Data Link

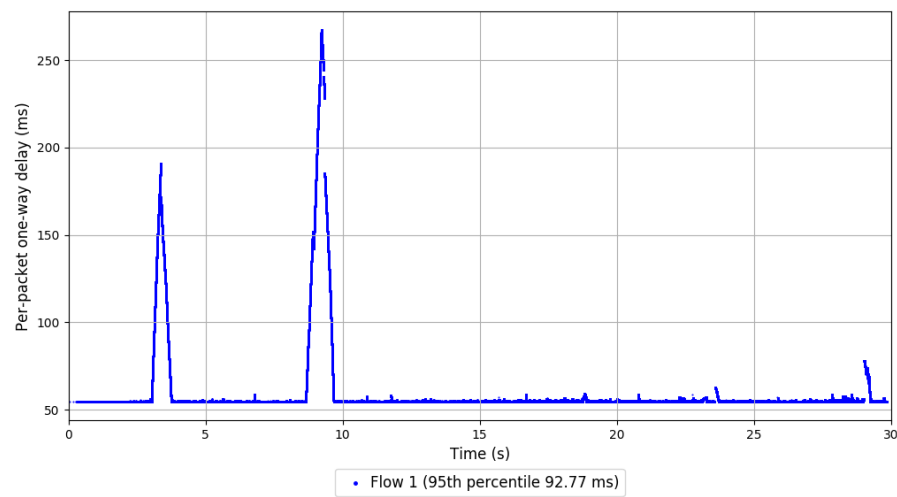
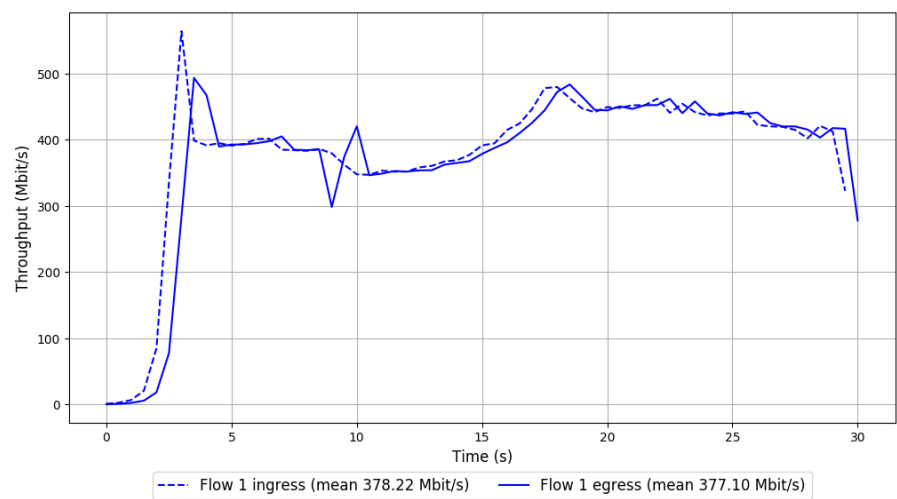


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-12 11:24:00
End at: 2018-07-12 11:24:30
Local clock offset: -0.081 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-07-12 16:25:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 377.10 Mbit/s
95th percentile per-packet one-way delay: 92.772 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 377.10 Mbit/s
95th percentile per-packet one-way delay: 92.772 ms
Loss rate: 0.66%

Run 1: Report of PCC-Vivace — Data Link

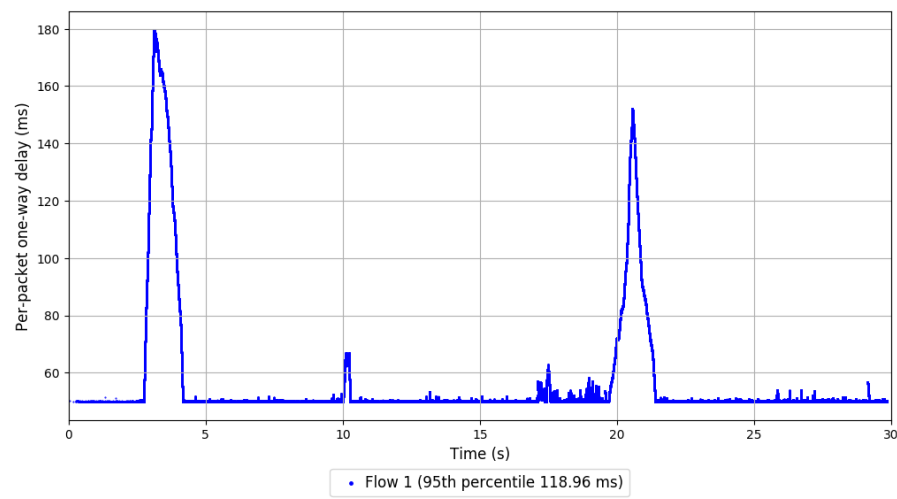
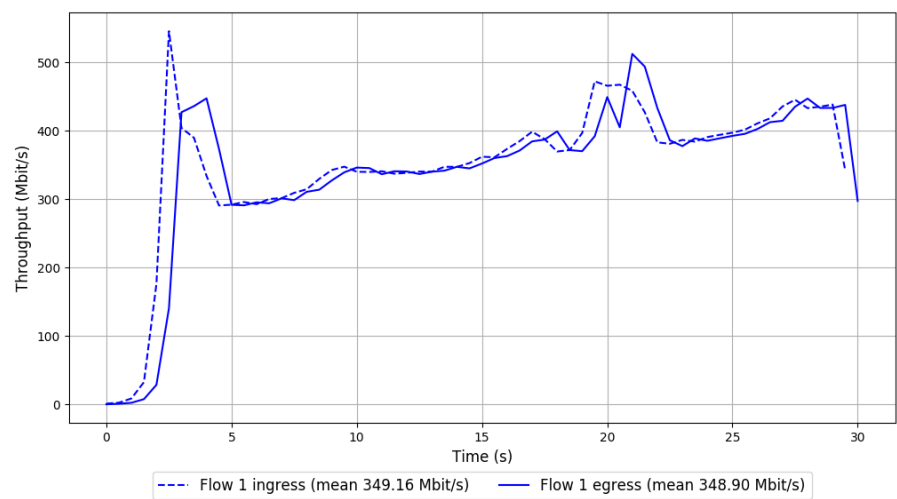


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-12 11:45:54
End at: 2018-07-12 11:46:24
Local clock offset: -0.222 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-12 16:25:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 118.959 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 348.90 Mbit/s
95th percentile per-packet one-way delay: 118.959 ms
Loss rate: 0.43%

Run 2: Report of PCC-Vivace — Data Link

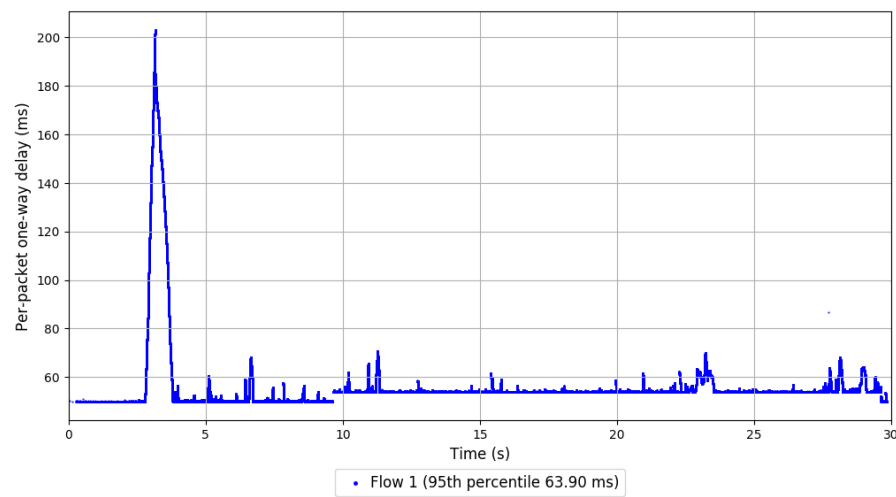
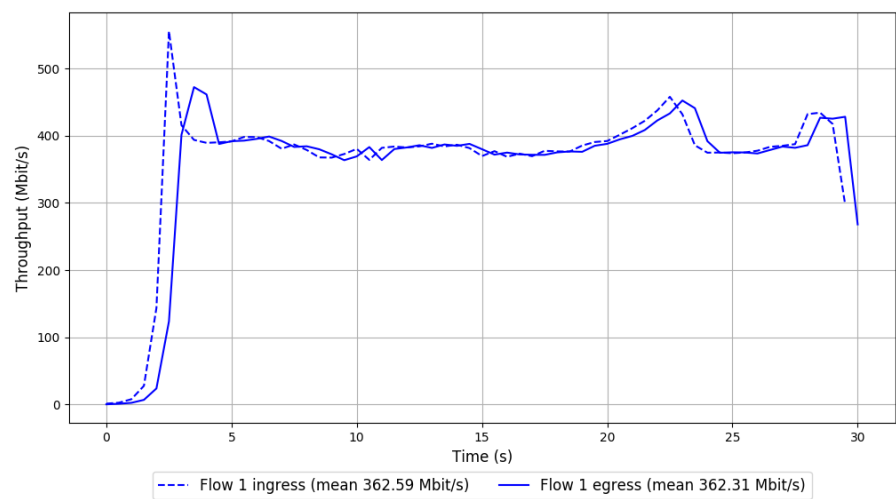


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-12 12:08:00
End at: 2018-07-12 12:08:30
Local clock offset: -0.126 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-12 16:26:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 362.31 Mbit/s
95th percentile per-packet one-way delay: 63.901 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 362.31 Mbit/s
95th percentile per-packet one-way delay: 63.901 ms
Loss rate: 0.43%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-12 12:29:55

End at: 2018-07-12 12:30:25

Local clock offset: -0.293 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-12 16:28:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.50 Mbit/s

95th percentile per-packet one-way delay: 60.638 ms

Loss rate: 0.46%

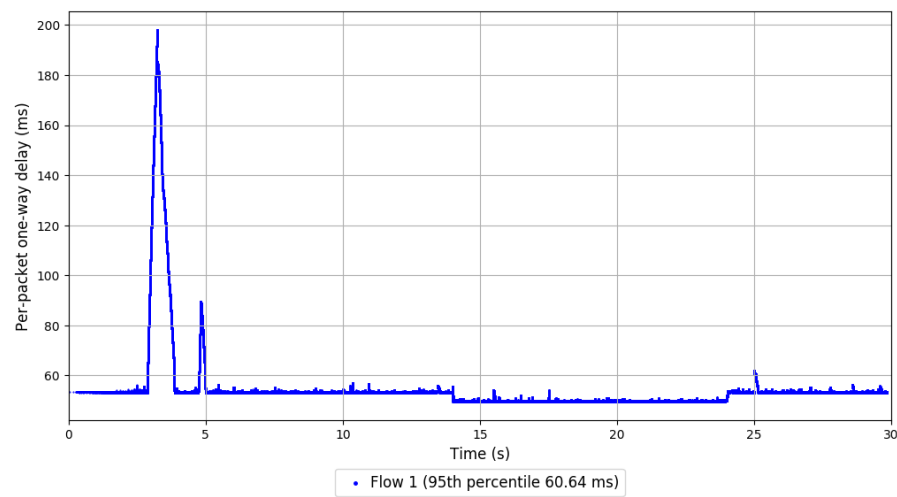
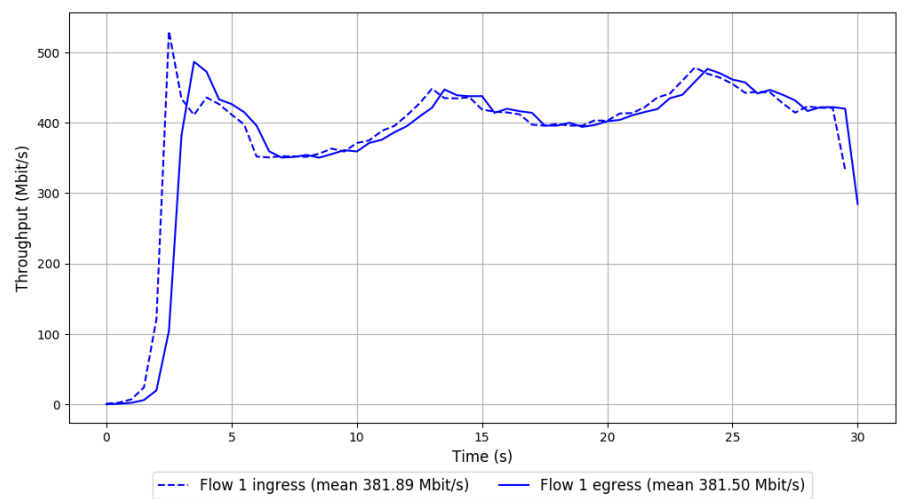
-- Flow 1:

Average throughput: 381.50 Mbit/s

95th percentile per-packet one-way delay: 60.638 ms

Loss rate: 0.46%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

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

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

Local clock offset: -0.12 ms

Remote clock offset: 1.284 ms

Below is generated by plot.py at 2018-07-12 16:28:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.32 Mbit/s

95th percentile per-packet one-way delay: 58.680 ms

Loss rate: 0.36%

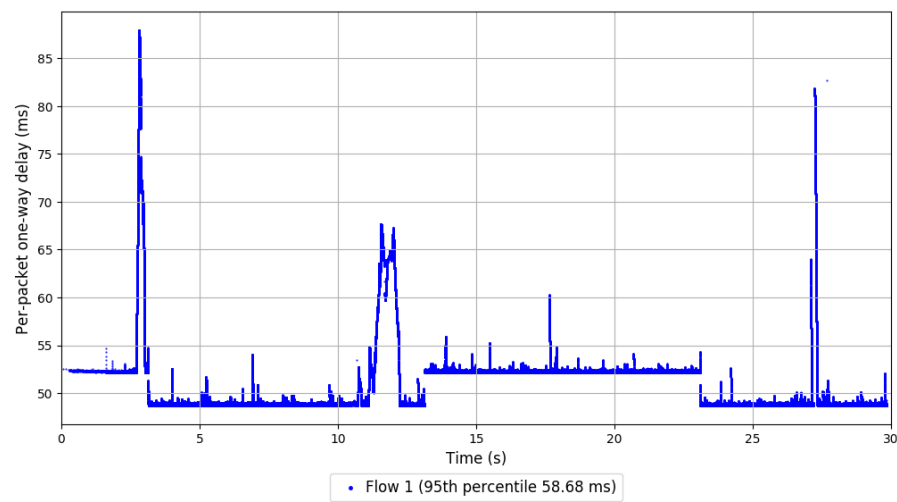
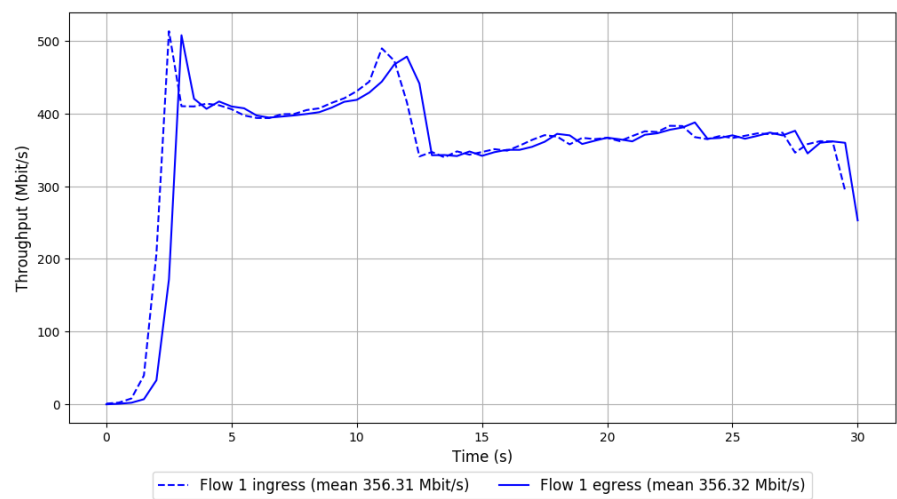
-- Flow 1:

Average throughput: 356.32 Mbit/s

95th percentile per-packet one-way delay: 58.680 ms

Loss rate: 0.36%

Run 5: Report of PCC-Vivace — Data Link

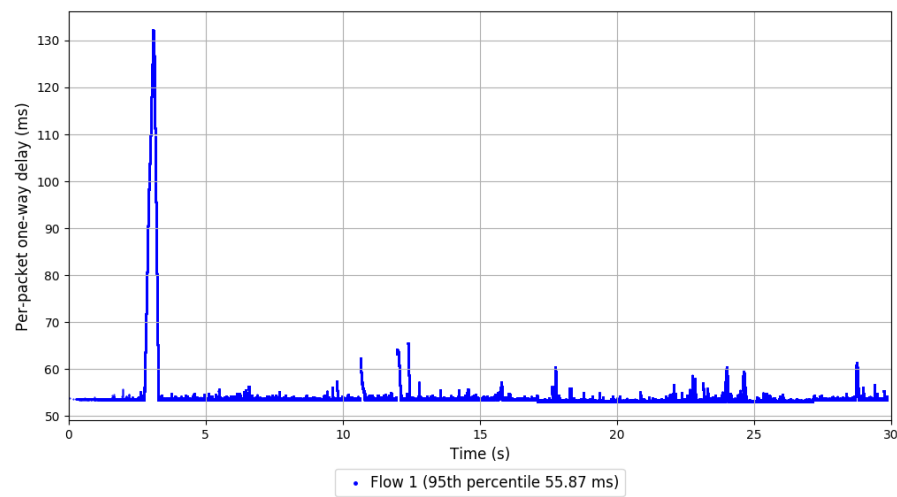
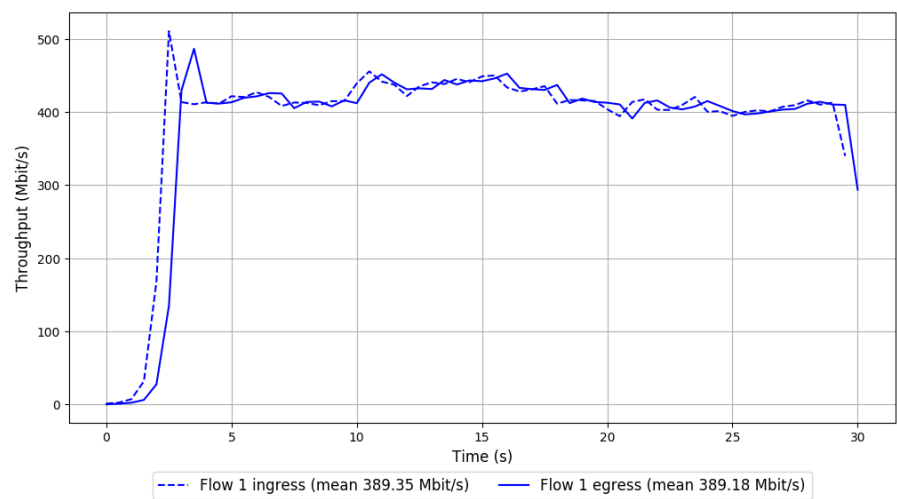


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-12 13:13:42
End at: 2018-07-12 13:14:12
Local clock offset: -0.079 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-12 16:29:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.18 Mbit/s
95th percentile per-packet one-way delay: 55.874 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 389.18 Mbit/s
95th percentile per-packet one-way delay: 55.874 ms
Loss rate: 0.40%

Run 6: Report of PCC-Vivace — Data Link

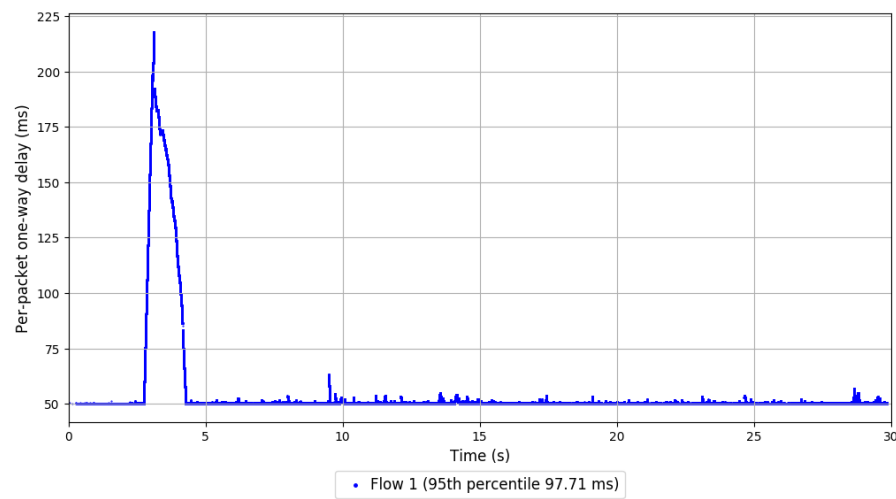
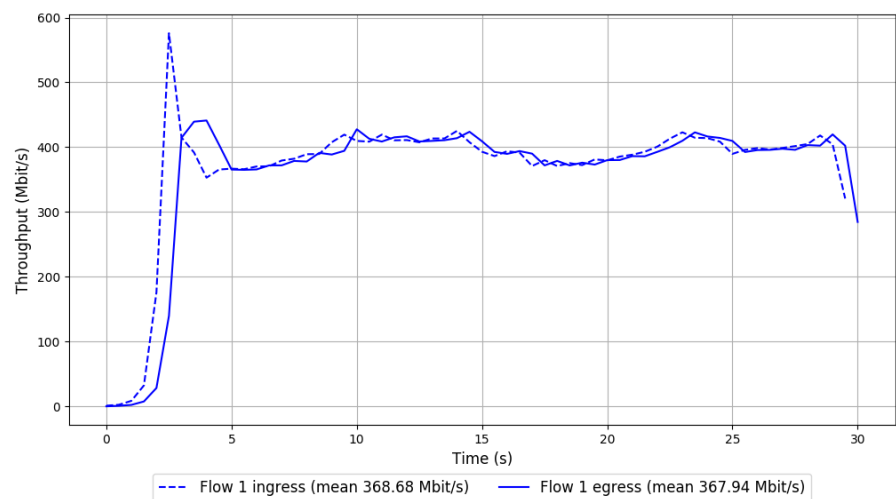


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-12 13:35:21
End at: 2018-07-12 13:35:51
Local clock offset: 0.03 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-12 16:29:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.94 Mbit/s
95th percentile per-packet one-way delay: 97.707 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 367.94 Mbit/s
95th percentile per-packet one-way delay: 97.707 ms
Loss rate: 0.55%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-12 13:57:02

End at: 2018-07-12 13:57:32

Local clock offset: 0.102 ms

Remote clock offset: 1.044 ms

Below is generated by plot.py at 2018-07-12 16:29:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.51 Mbit/s

95th percentile per-packet one-way delay: 55.508 ms

Loss rate: 0.59%

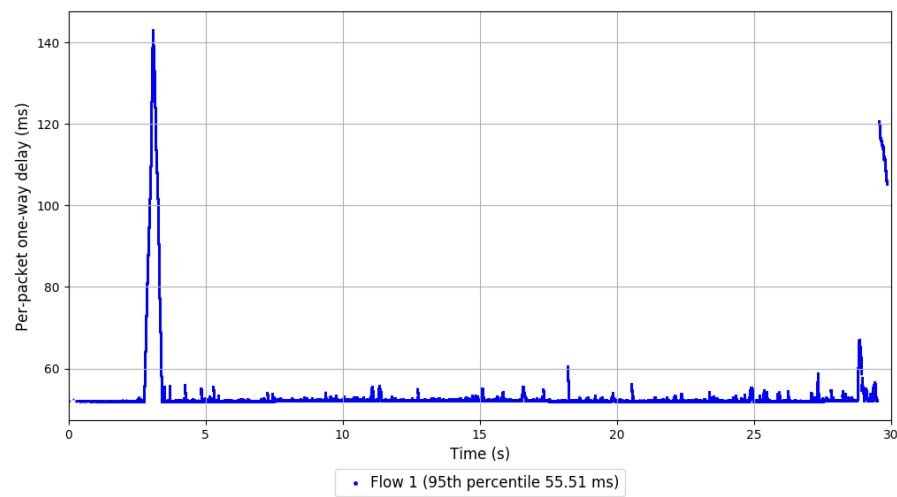
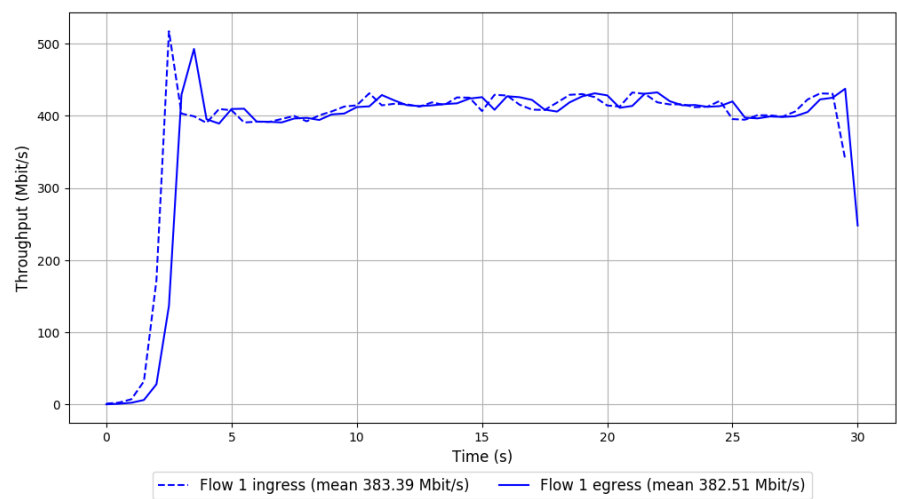
-- Flow 1:

Average throughput: 382.51 Mbit/s

95th percentile per-packet one-way delay: 55.508 ms

Loss rate: 0.59%

Run 8: Report of PCC-Vivace — Data Link

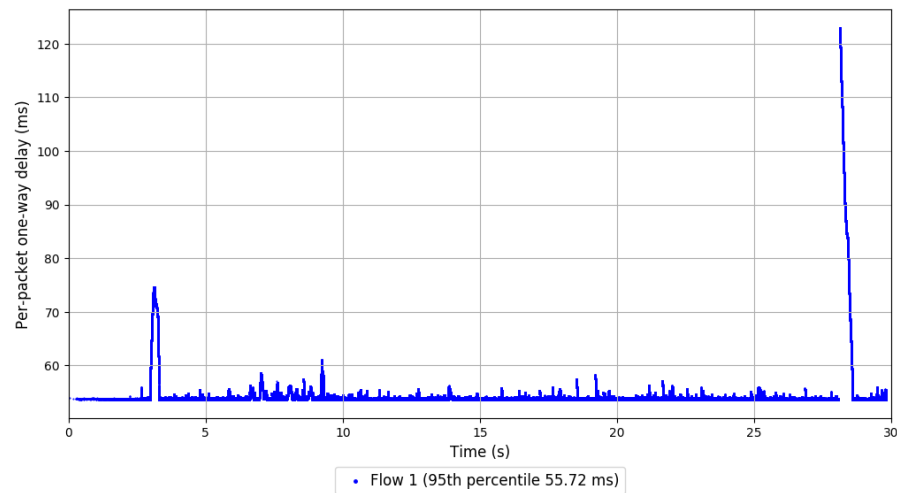
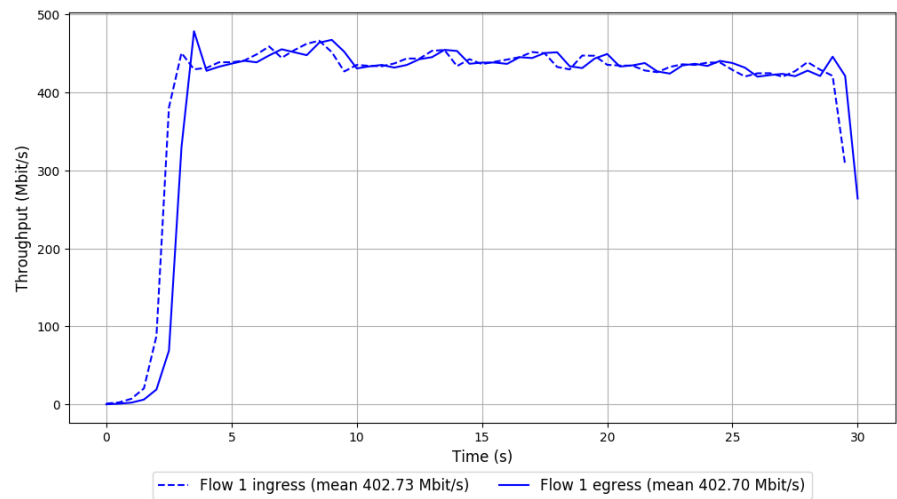


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-12 14:18:47
End at: 2018-07-12 14:19:17
Local clock offset: -0.059 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 402.70 Mbit/s
95th percentile per-packet one-way delay: 55.720 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 402.70 Mbit/s
95th percentile per-packet one-way delay: 55.720 ms
Loss rate: 0.37%

Run 9: Report of PCC-Vivace — Data Link

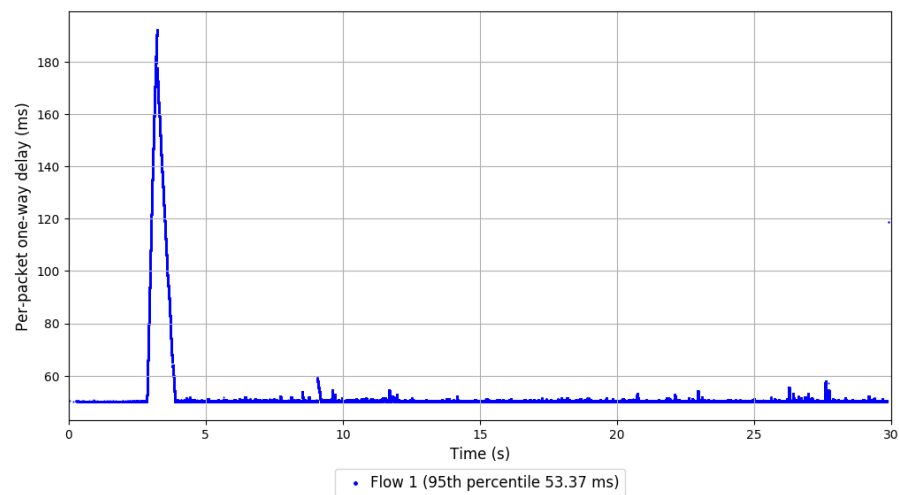
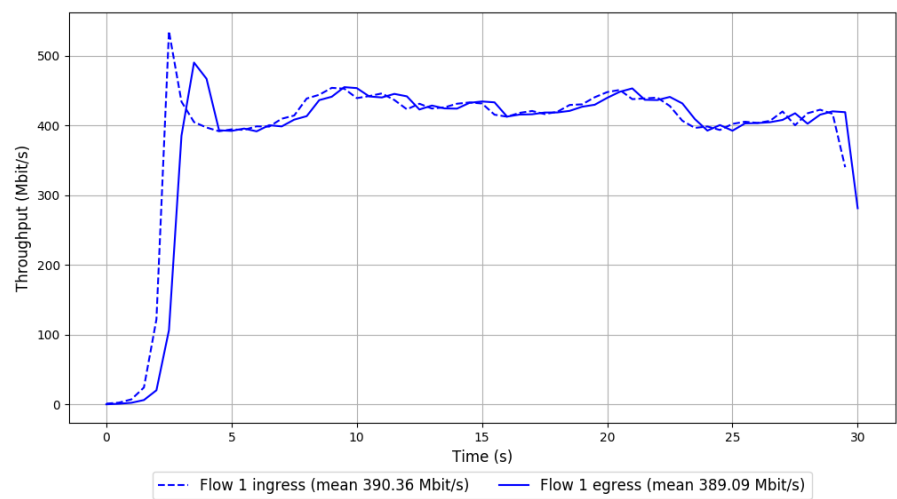


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-12 14:40:13
End at: 2018-07-12 14:40:43
Local clock offset: -0.067 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.09 Mbit/s
95th percentile per-packet one-way delay: 53.372 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 389.09 Mbit/s
95th percentile per-packet one-way delay: 53.372 ms
Loss rate: 0.50%

Run 10: Report of PCC-Vivace — Data Link

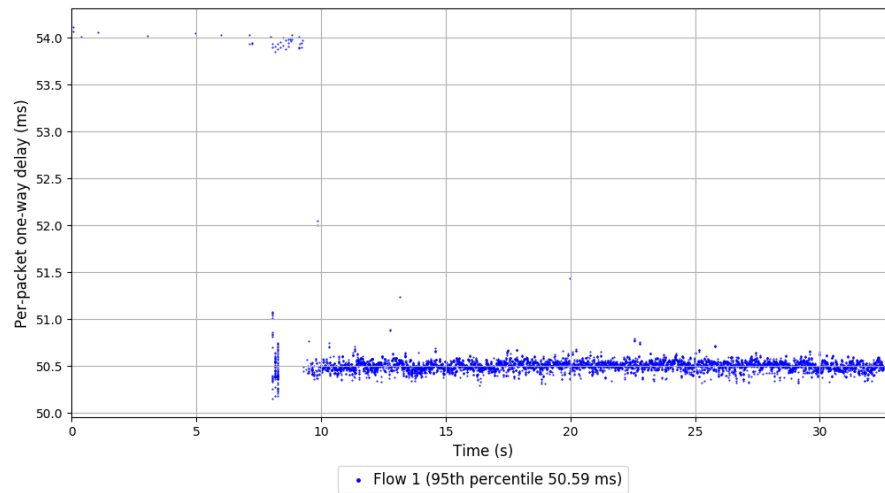
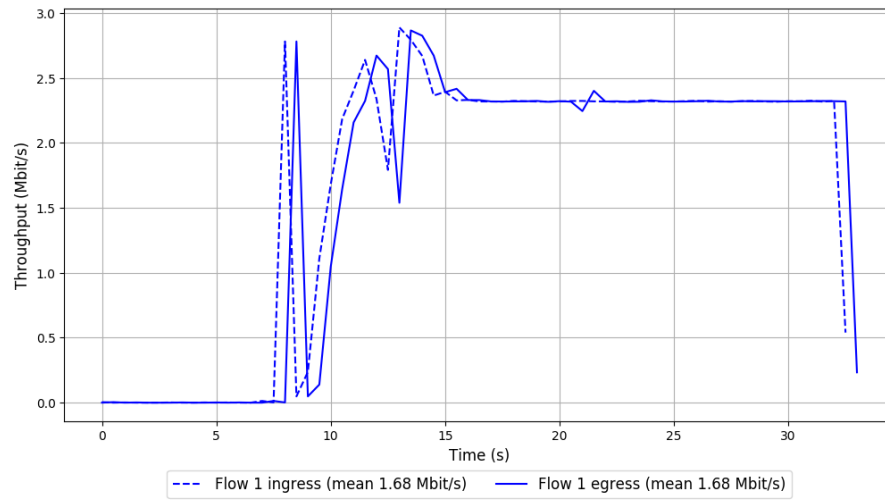


Run 1: Statistics of WebRTC media

Start at: 2018-07-12 11:16:23
End at: 2018-07-12 11:16:53
Local clock offset: -0.015 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 50.589 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 50.589 ms
Loss rate: 0.49%

Run 1: Report of WebRTC media — Data Link

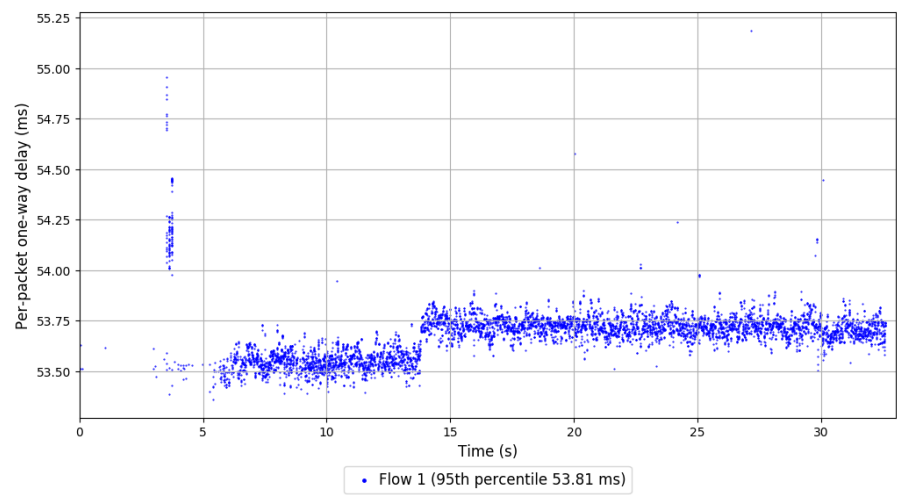
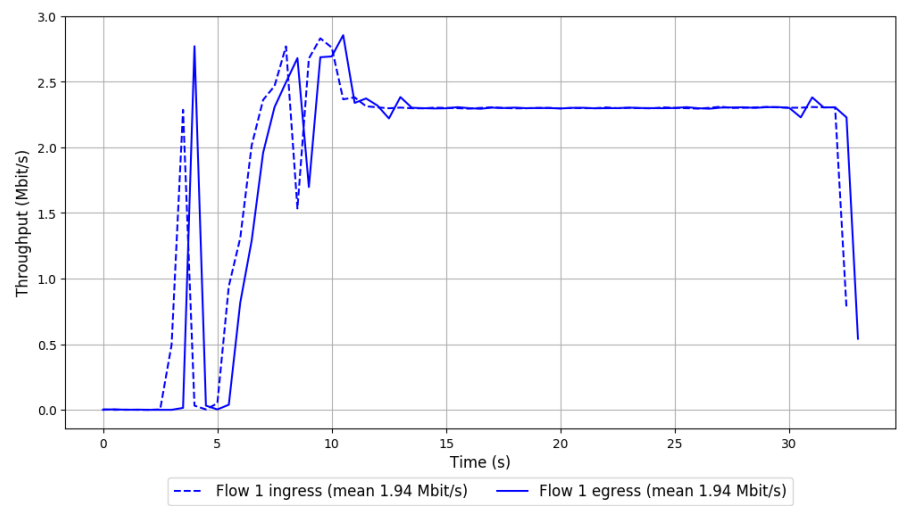


Run 2: Statistics of WebRTC media

Start at: 2018-07-12 11:38:28
End at: 2018-07-12 11:38:58
Local clock offset: 0.189 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.811 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.811 ms
Loss rate: 0.43%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

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

Local clock offset: 0.039 ms

Remote clock offset: 1.129 ms

Below is generated by plot.py at 2018-07-12 16:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 52.596 ms

Loss rate: 0.42%

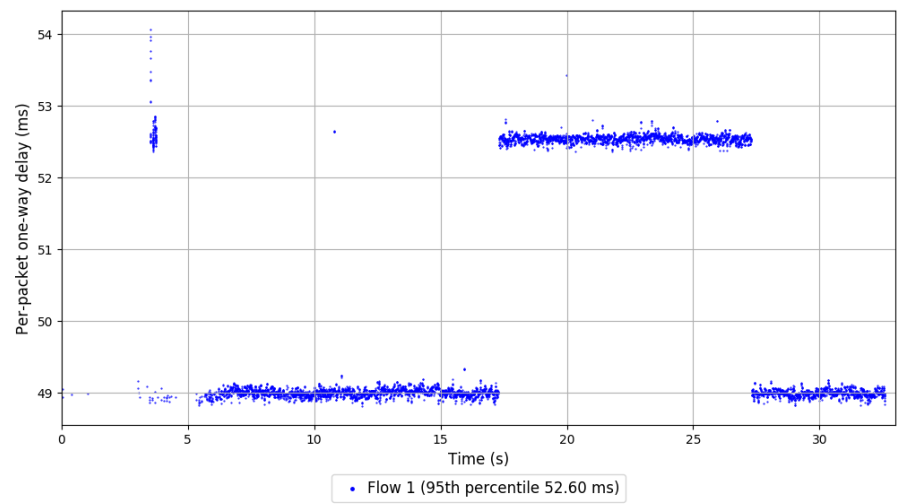
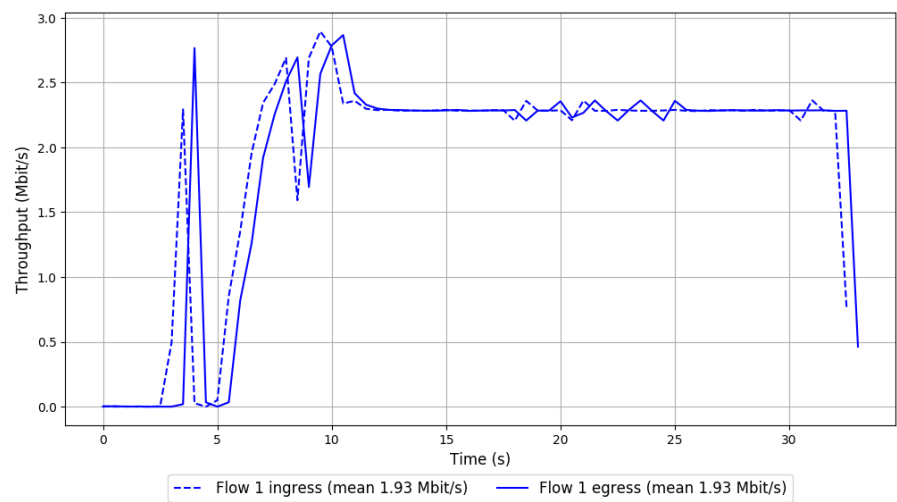
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 52.596 ms

Loss rate: 0.42%

Run 3: Report of WebRTC media — Data Link

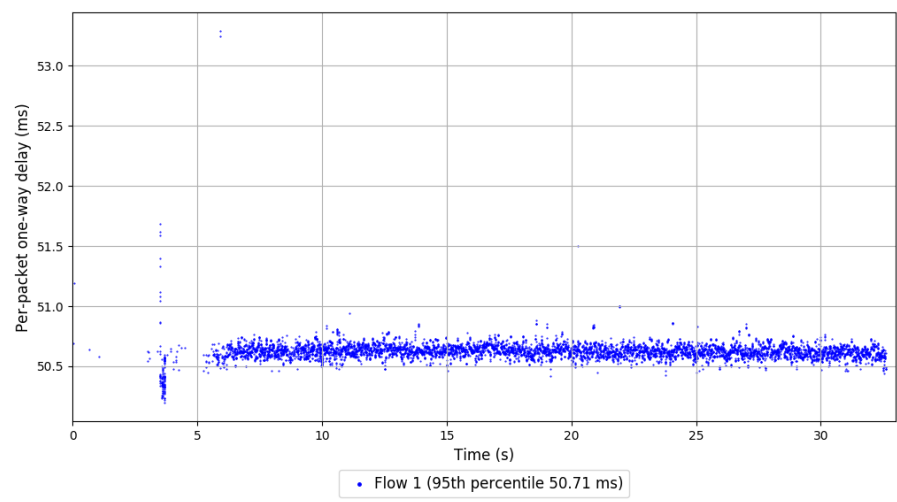
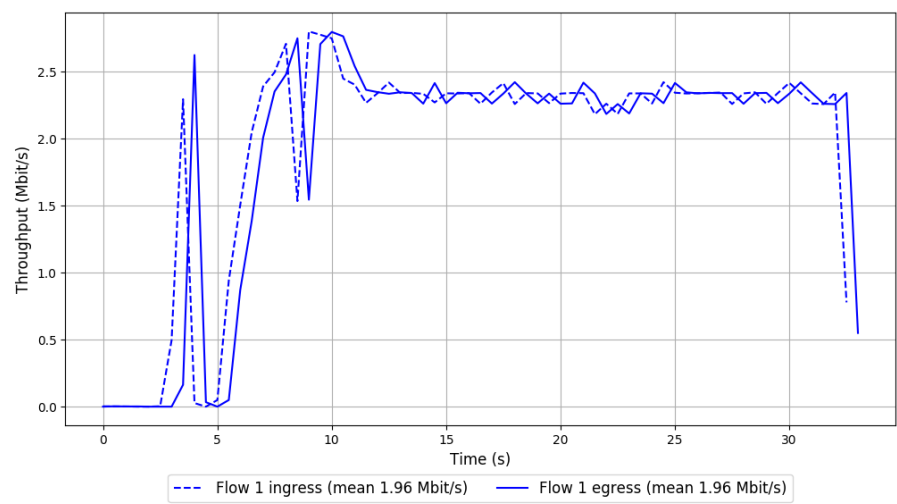


Run 4: Statistics of WebRTC media

Start at: 2018-07-12 12:22:25
End at: 2018-07-12 12:22:55
Local clock offset: -0.151 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.37%

Run 4: Report of WebRTC media — Data Link

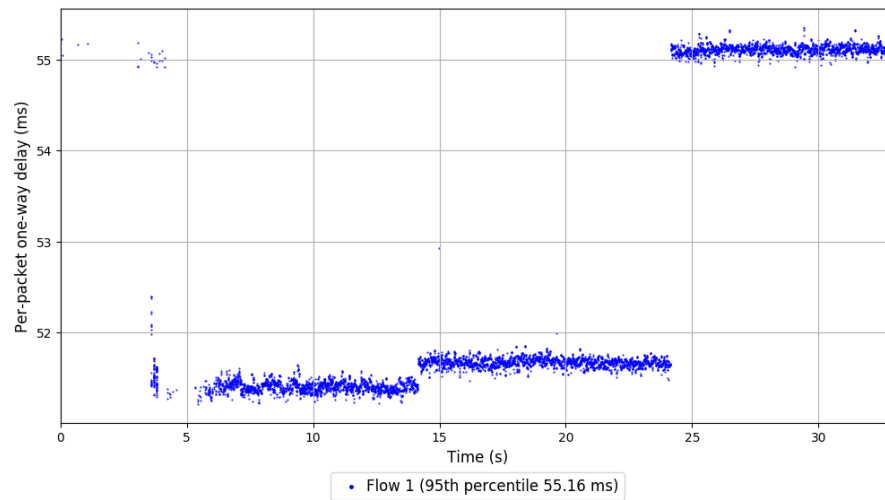
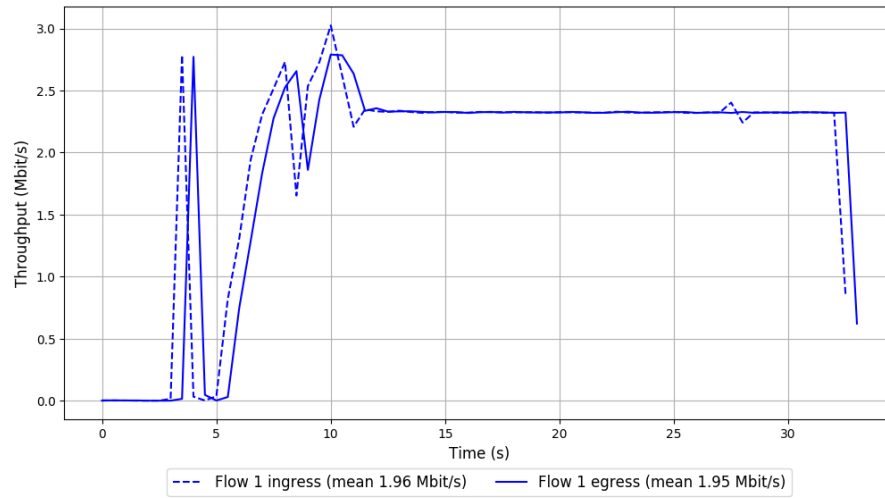


Run 5: Statistics of WebRTC media

Start at: 2018-07-12 12:44:16
End at: 2018-07-12 12:44:46
Local clock offset: -0.117 ms
Remote clock offset: -1.507 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 55.155 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 55.155 ms
Loss rate: 0.37%

Run 5: Report of WebRTC media — Data Link

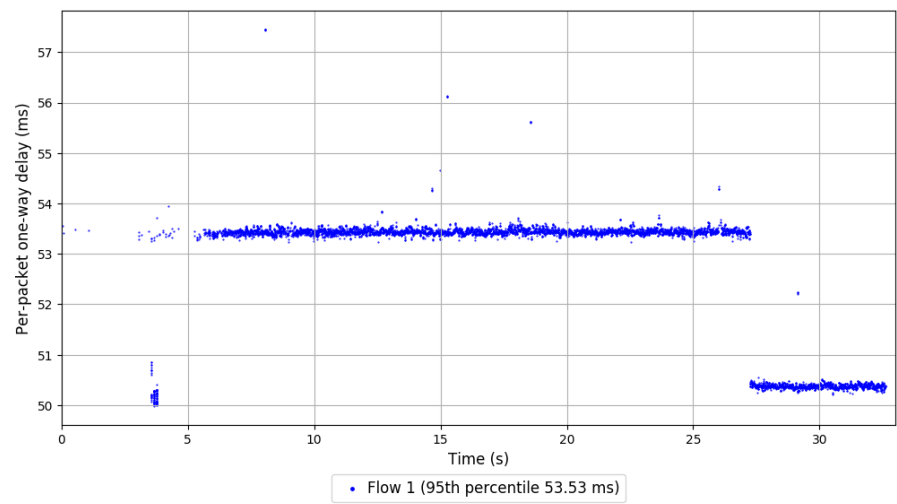
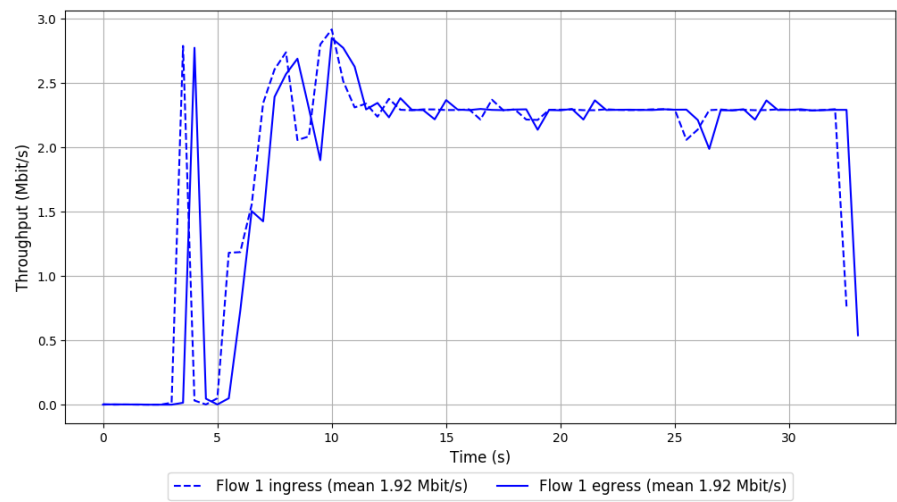


Run 6: Statistics of WebRTC media

Start at: 2018-07-12 13:06:15
End at: 2018-07-12 13:06:45
Local clock offset: -0.085 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.528 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.528 ms
Loss rate: 0.36%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-12 13:27:53

End at: 2018-07-12 13:28:23

Local clock offset: 0.13 ms

Remote clock offset: 1.066 ms

Below is generated by plot.py at 2018-07-12 16:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 52.828 ms

Loss rate: 0.36%

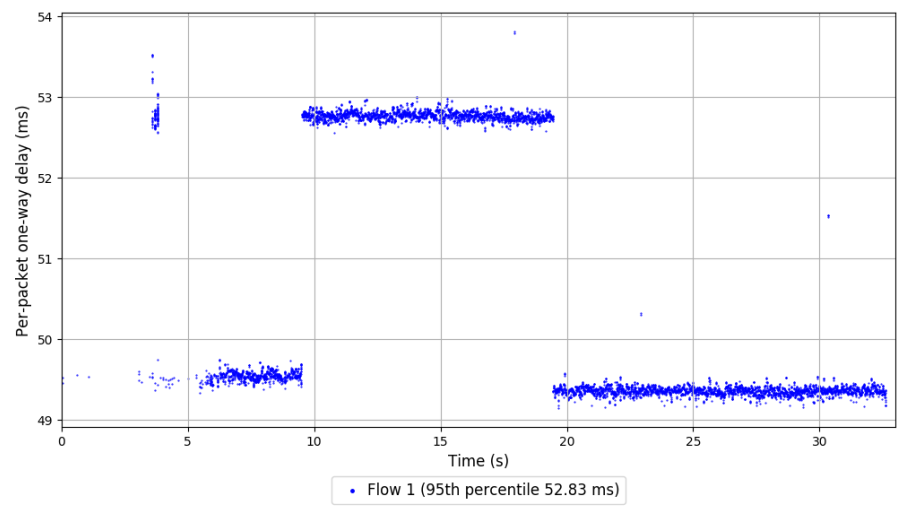
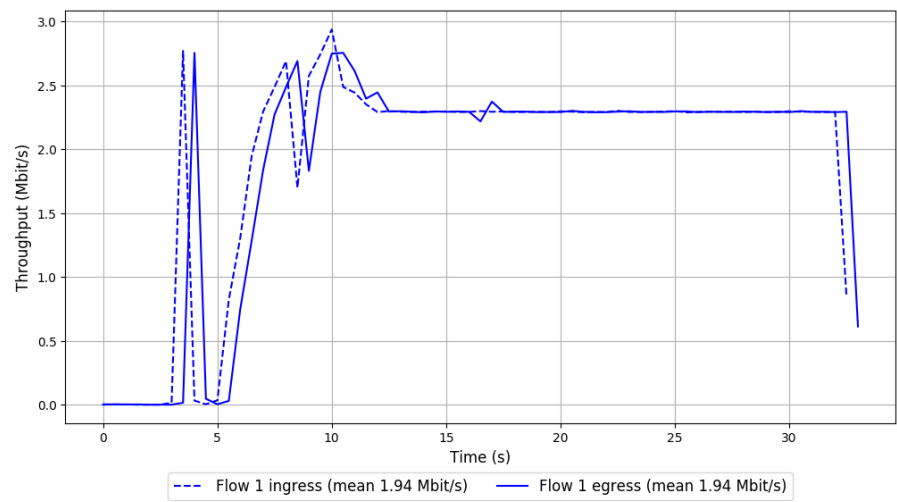
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 52.828 ms

Loss rate: 0.36%

Run 7: Report of WebRTC media — Data Link

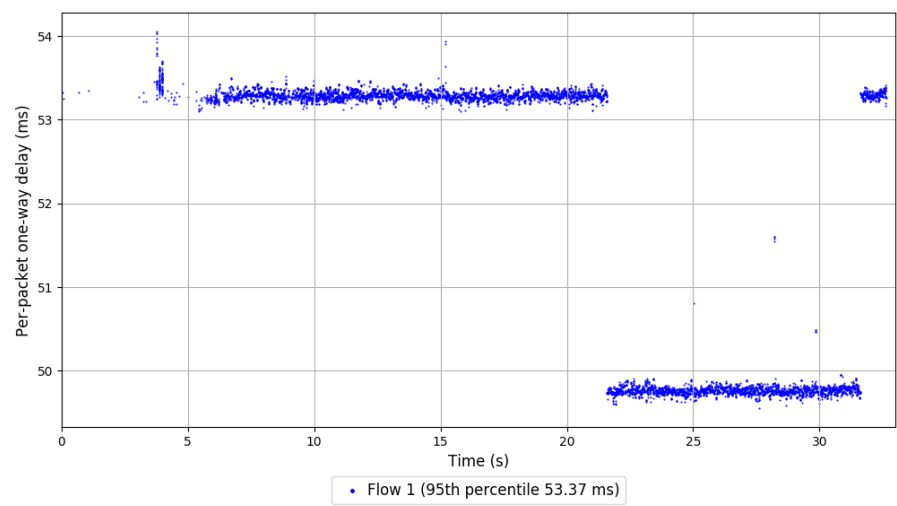
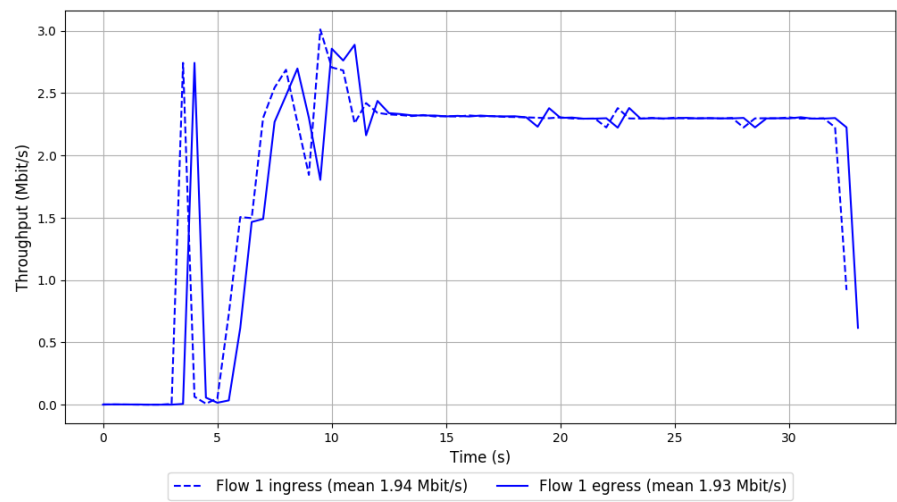


Run 8: Statistics of WebRTC media

Start at: 2018-07-12 13:49:31
End at: 2018-07-12 13:50:01
Local clock offset: -0.208 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 53.371 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 53.371 ms
Loss rate: 0.42%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-12 14:11:22

End at: 2018-07-12 14:11:52

Local clock offset: -0.025 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-07-12 16:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 52.490 ms

Loss rate: 0.42%

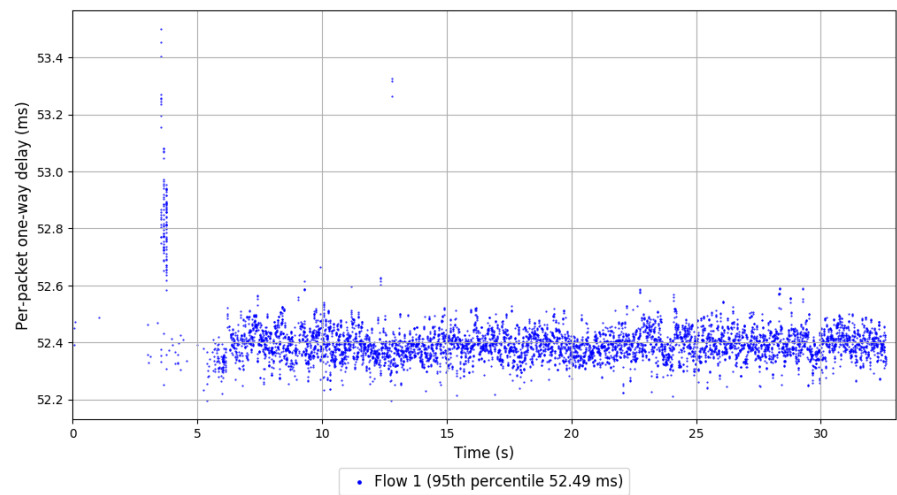
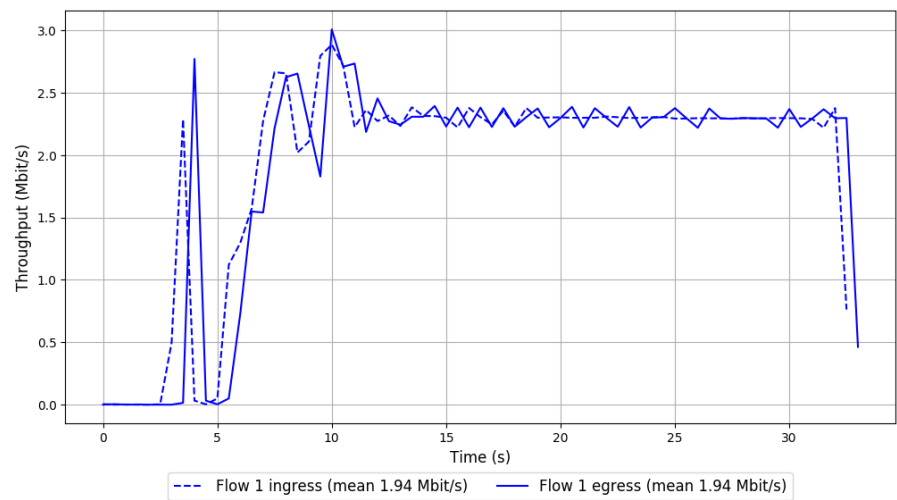
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 52.490 ms

Loss rate: 0.42%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-12 14:32:40
End at: 2018-07-12 14:33:10
Local clock offset: -0.097 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-12 16:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.828 ms
Loss rate: 0.42%

Run 10: Report of WebRTC media — Data Link

