

Pantheon Report

Generated at 2018-07-20 19:31:26 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

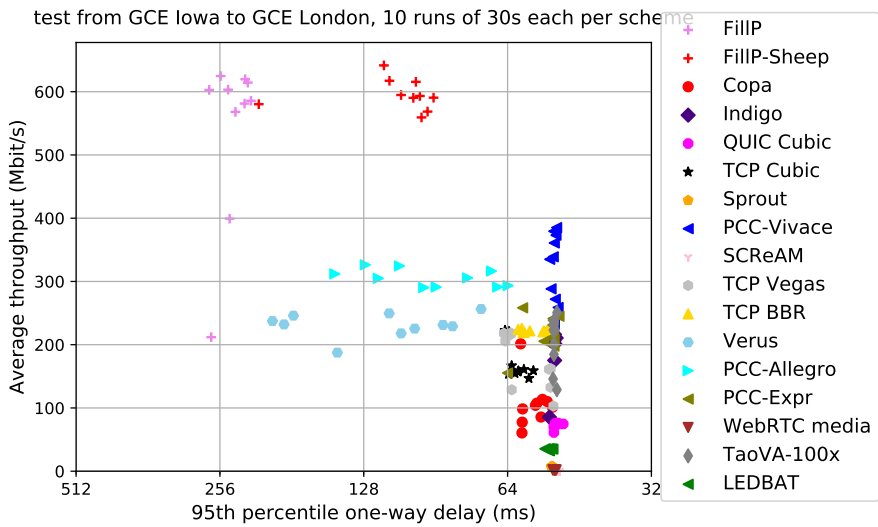
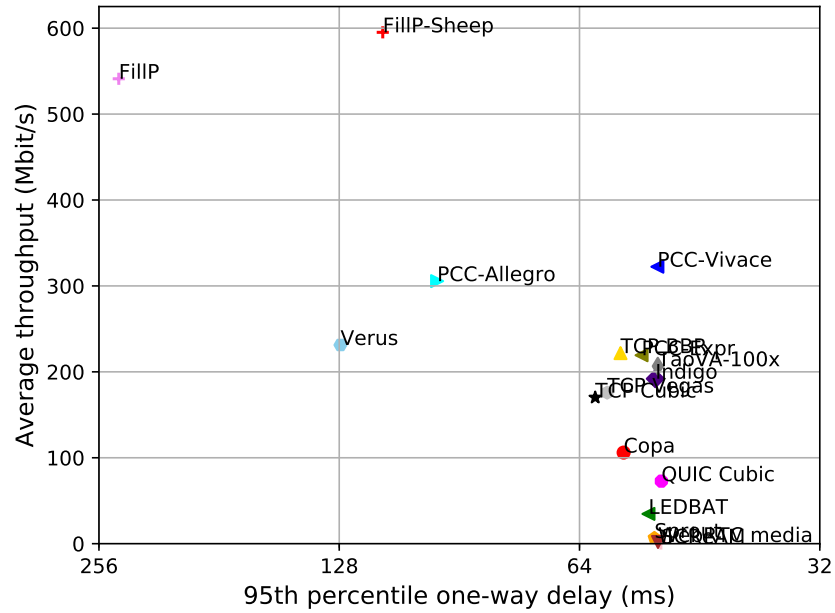
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	221.81	56.86	0.36
Copa	10	106.02	56.35	0.27
TCP Cubic	10	170.09	61.16	0.31
FillP	10	541.10	241.77	0.79
FillP-Sheep	10	595.15	112.90	0.47
Indigo	9	192.00	51.43	0.36
LEDBAT	10	34.67	52.46	0.67
PCC-Allegro	10	305.59	96.51	0.49
PCC-Expr	10	219.32	53.51	0.38
QUIC Cubic	9	72.79	50.54	0.39
SCReAM	10	0.22	50.61	0.36
Sprout	10	6.72	51.57	0.35
TaoVA-100x	10	206.54	51.06	0.31
TCP Vegas	10	175.80	59.09	0.22
Verus	10	231.25	127.55	0.60
PCC-Vivace	10	322.37	51.13	0.42
WebRTC media	9	1.96	51.03	0.36

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 14:40:41

End at: 2018-07-20 14:41:11

Local clock offset: 0.213 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-20 18:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.15 Mbit/s

95th percentile per-packet one-way delay: 52.818 ms

Loss rate: 0.36%

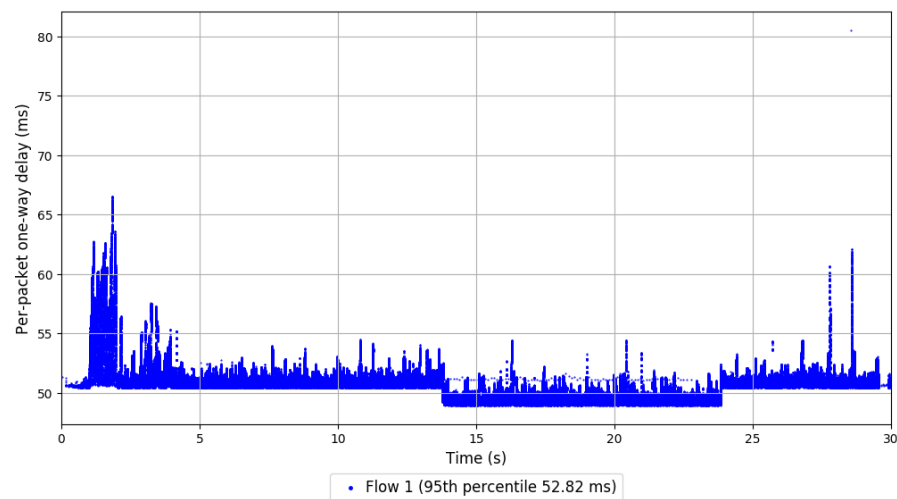
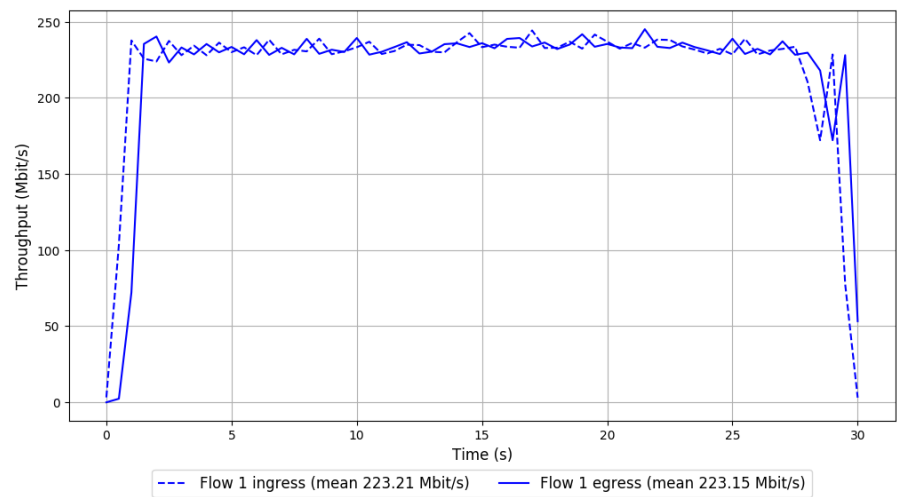
-- Flow 1:

Average throughput: 223.15 Mbit/s

95th percentile per-packet one-way delay: 52.818 ms

Loss rate: 0.36%

Run 1: Report of TCP BBR — Data Link

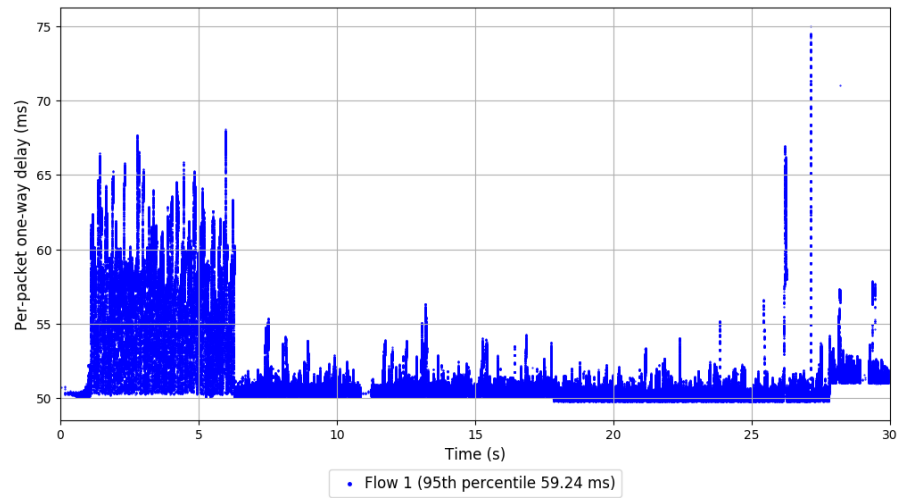
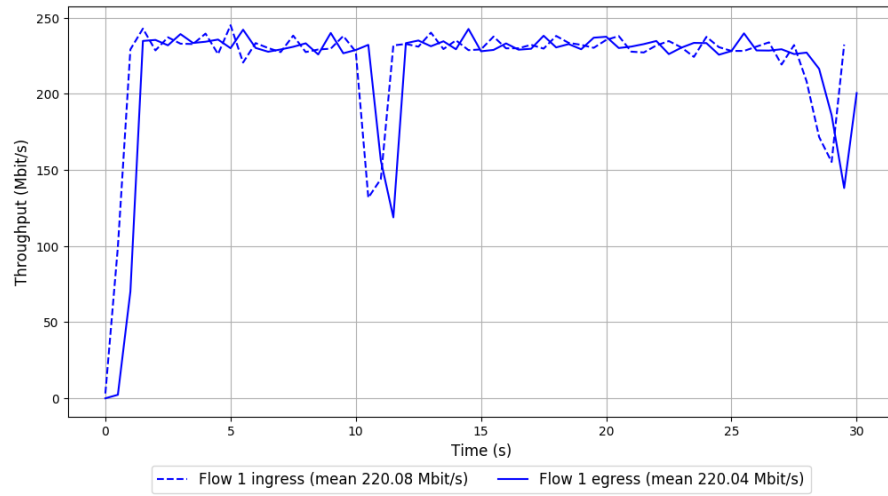


Run 2: Statistics of TCP BBR

Start at: 2018-07-20 15:02:17
End at: 2018-07-20 15:02:47
Local clock offset: 0.305 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 18:09:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.04 Mbit/s
95th percentile per-packet one-way delay: 59.240 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 220.04 Mbit/s
95th percentile per-packet one-way delay: 59.240 ms
Loss rate: 0.37%

Run 2: Report of TCP BBR — Data Link

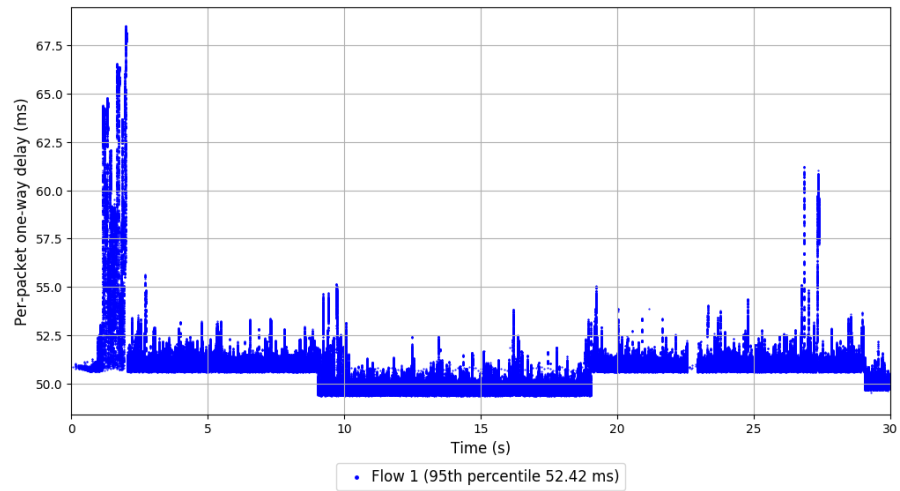
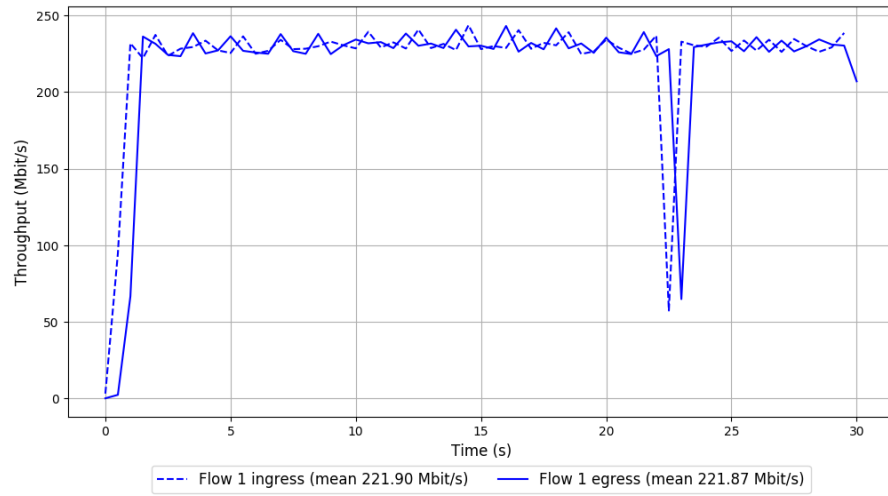


Run 3: Statistics of TCP BBR

Start at: 2018-07-20 15:23:36
End at: 2018-07-20 15:24:06
Local clock offset: -0.074 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-20 18:09:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.87 Mbit/s
95th percentile per-packet one-way delay: 52.425 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 221.87 Mbit/s
95th percentile per-packet one-way delay: 52.425 ms
Loss rate: 0.37%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-20 15:45:08

End at: 2018-07-20 15:45:38

Local clock offset: 0.288 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-20 18:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.81 Mbit/s

95th percentile per-packet one-way delay: 59.069 ms

Loss rate: 0.37%

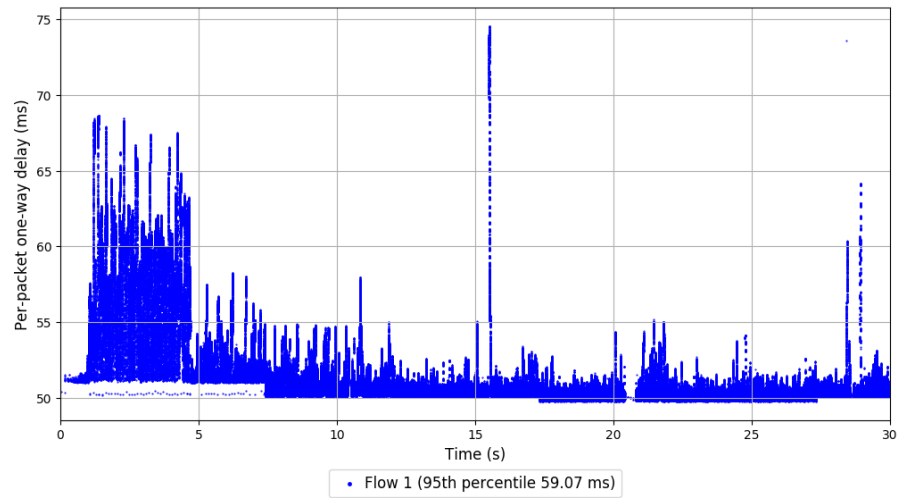
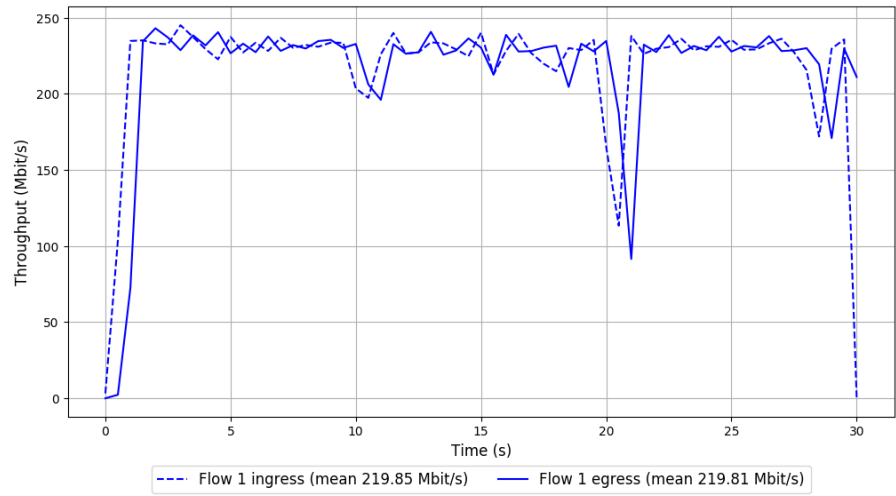
-- Flow 1:

Average throughput: 219.81 Mbit/s

95th percentile per-packet one-way delay: 59.069 ms

Loss rate: 0.37%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-20 16:06:28

End at: 2018-07-20 16:06:58

Local clock offset: -0.012 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 18:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.72 Mbit/s

95th percentile per-packet one-way delay: 59.733 ms

Loss rate: 0.36%

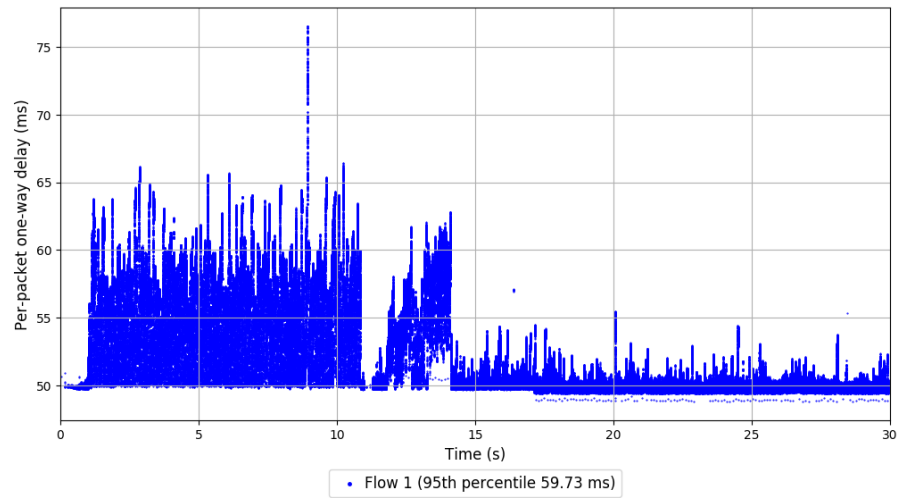
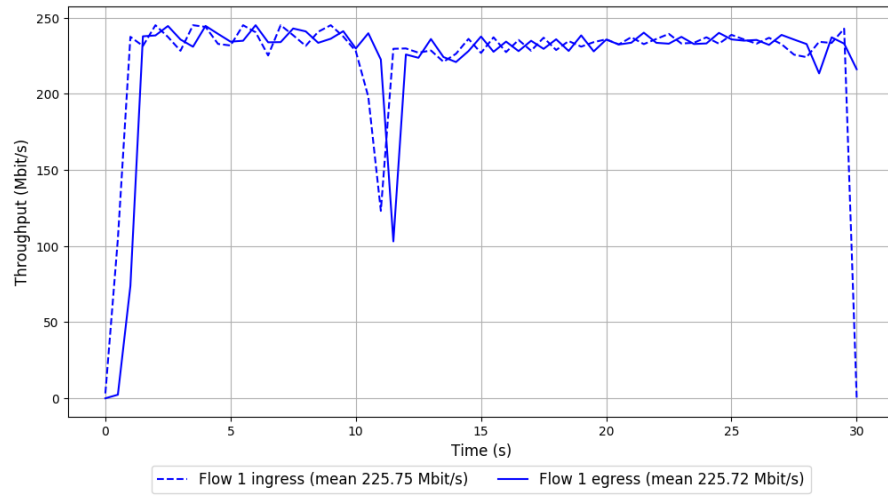
-- Flow 1:

Average throughput: 225.72 Mbit/s

95th percentile per-packet one-way delay: 59.733 ms

Loss rate: 0.36%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-20 16:28:02

End at: 2018-07-20 16:28:32

Local clock offset: -0.037 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-20 18:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.20 Mbit/s

95th percentile per-packet one-way delay: 59.333 ms

Loss rate: 0.37%

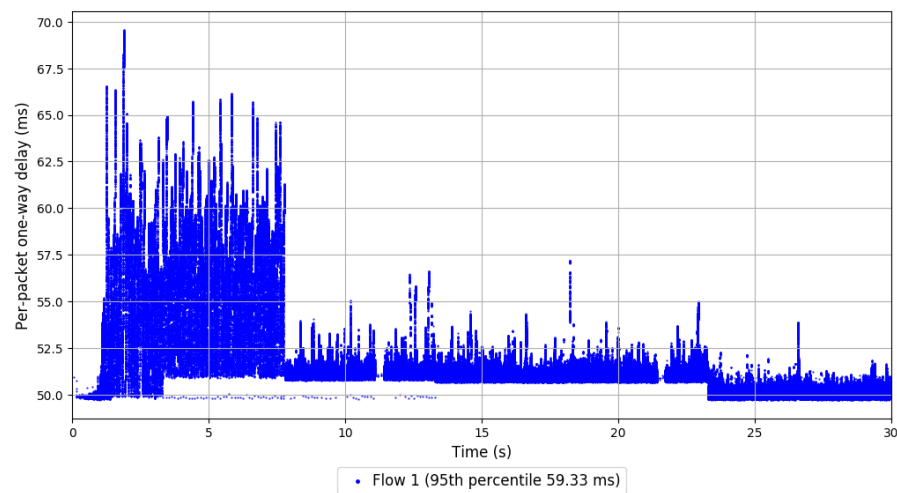
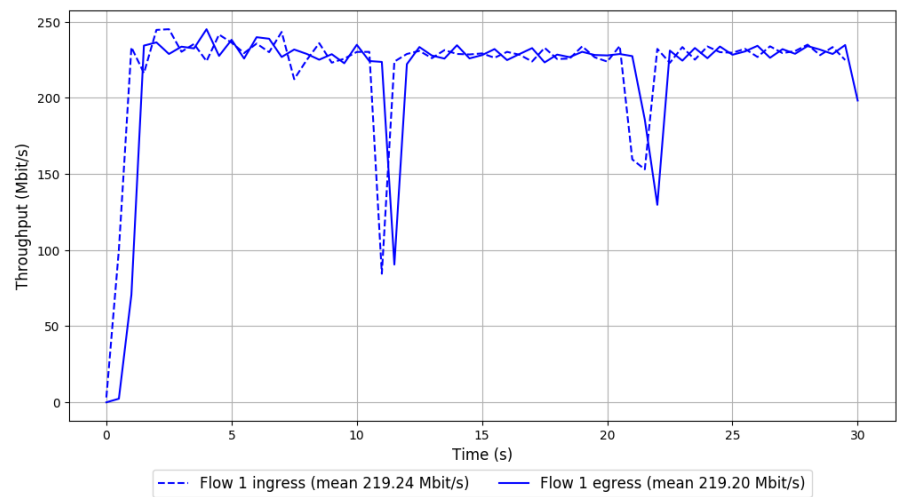
-- Flow 1:

Average throughput: 219.20 Mbit/s

95th percentile per-packet one-way delay: 59.333 ms

Loss rate: 0.37%

Run 6: Report of TCP BBR — Data Link

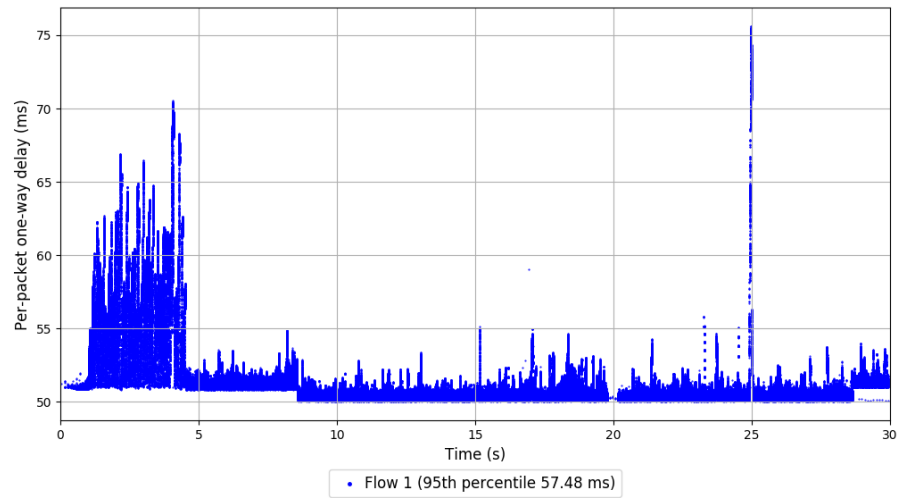
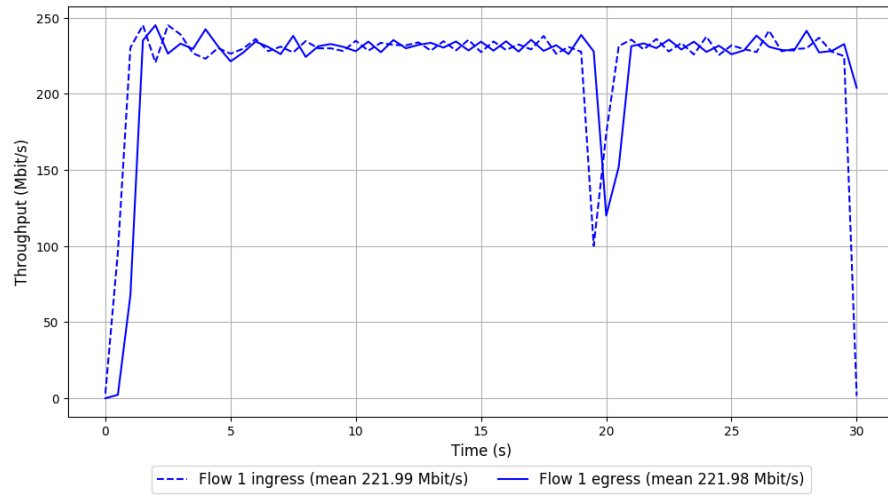


Run 7: Statistics of TCP BBR

Start at: 2018-07-20 16:49:27
End at: 2018-07-20 16:49:57
Local clock offset: 0.211 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 18:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.98 Mbit/s
95th percentile per-packet one-way delay: 57.485 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 221.98 Mbit/s
95th percentile per-packet one-way delay: 57.485 ms
Loss rate: 0.34%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-20 17:10:45

End at: 2018-07-20 17:11:15

Local clock offset: 0.213 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-20 18:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.20 Mbit/s

95th percentile per-packet one-way delay: 60.827 ms

Loss rate: 0.34%

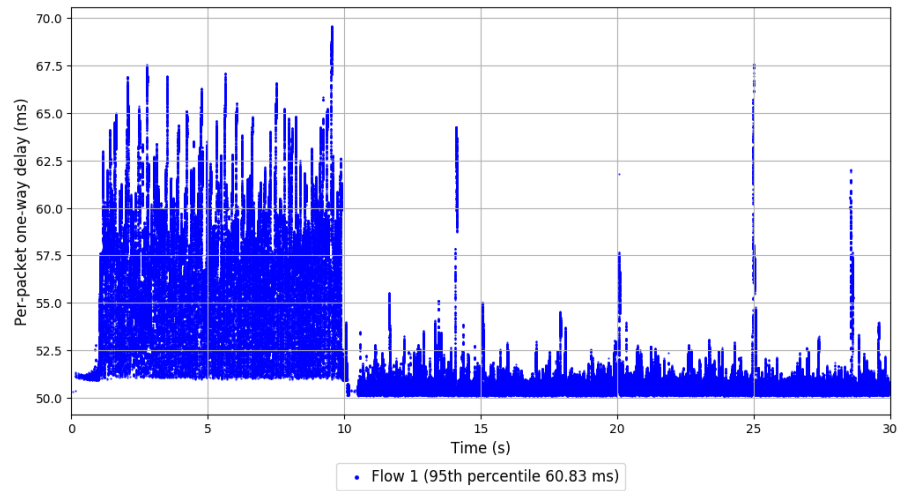
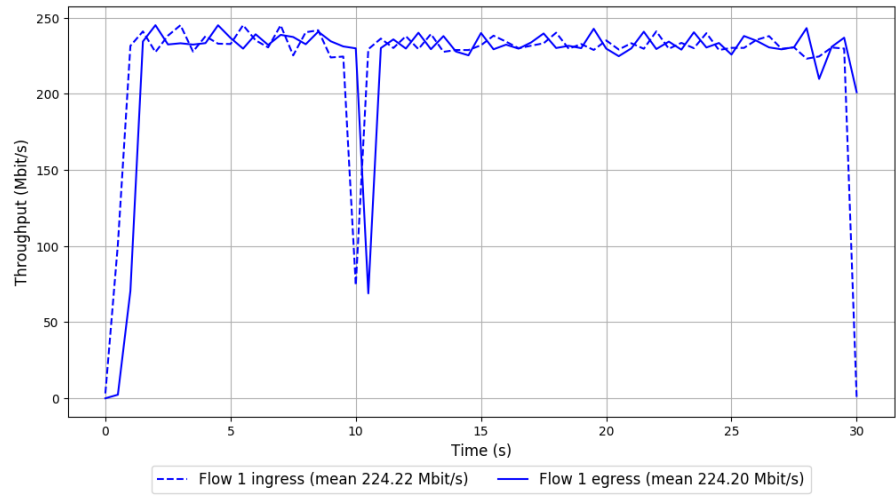
-- Flow 1:

Average throughput: 224.20 Mbit/s

95th percentile per-packet one-way delay: 60.827 ms

Loss rate: 0.34%

Run 8: Report of TCP BBR — Data Link

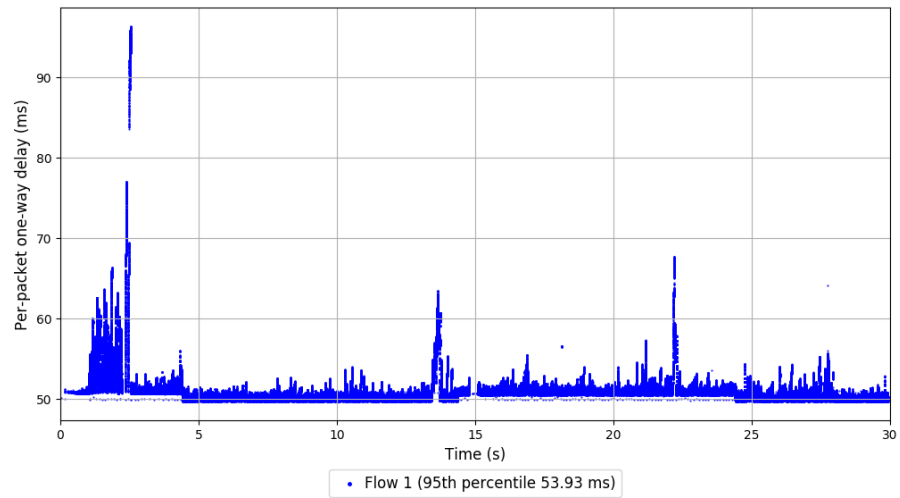
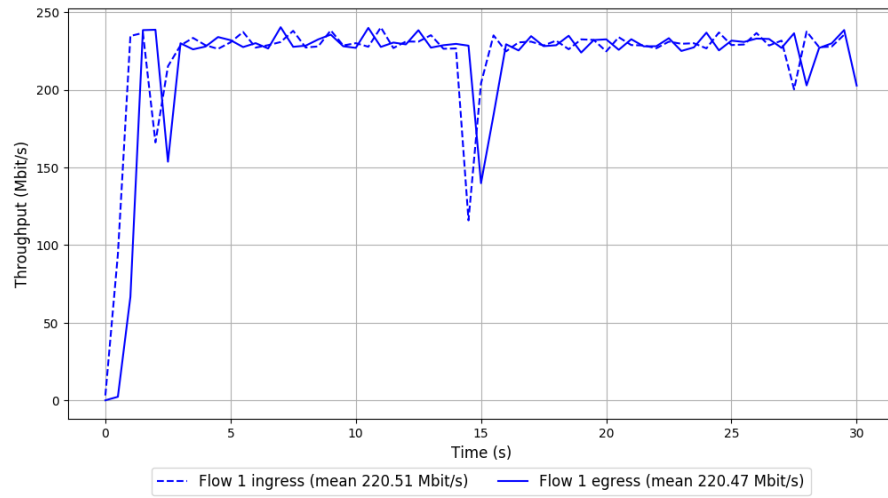


Run 9: Statistics of TCP BBR

Start at: 2018-07-20 17:32:21
End at: 2018-07-20 17:32:51
Local clock offset: -0.113 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 18:12:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.47 Mbit/s
95th percentile per-packet one-way delay: 53.929 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 220.47 Mbit/s
95th percentile per-packet one-way delay: 53.929 ms
Loss rate: 0.37%

Run 9: Report of TCP BBR — Data Link

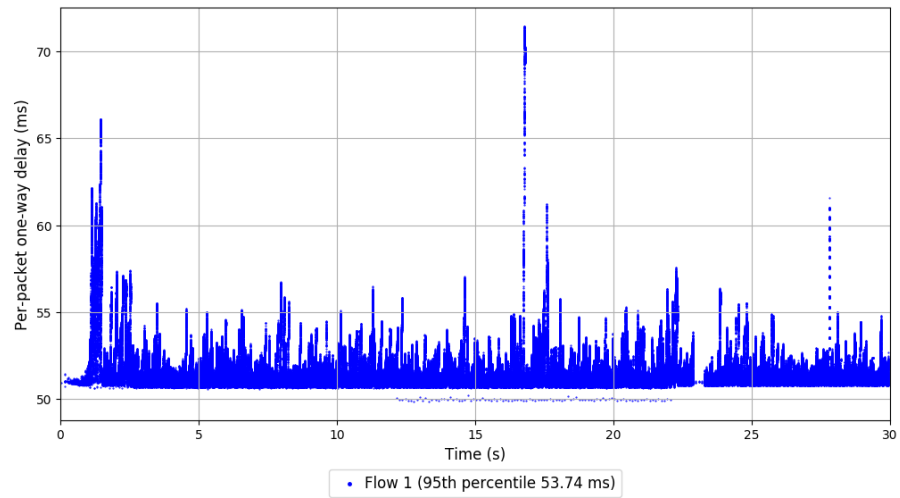
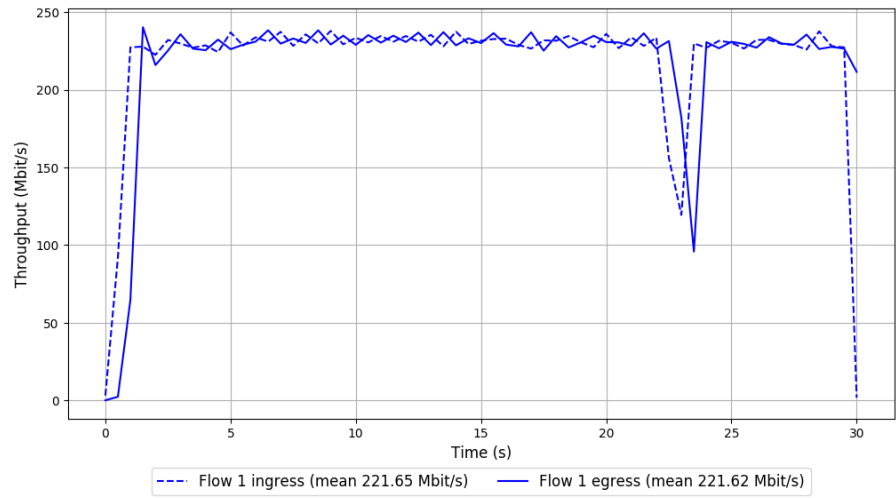


Run 10: Statistics of TCP BBR

Start at: 2018-07-20 17:53:43
End at: 2018-07-20 17:54:13
Local clock offset: -0.157 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-20 18:13:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.62 Mbit/s
95th percentile per-packet one-way delay: 53.742 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 221.62 Mbit/s
95th percentile per-packet one-way delay: 53.742 ms
Loss rate: 0.35%

Run 10: Report of TCP BBR — Data Link

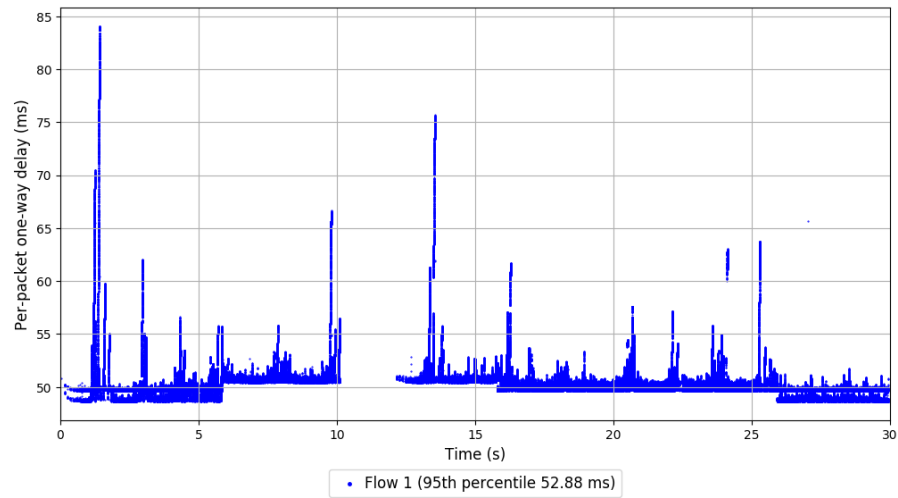
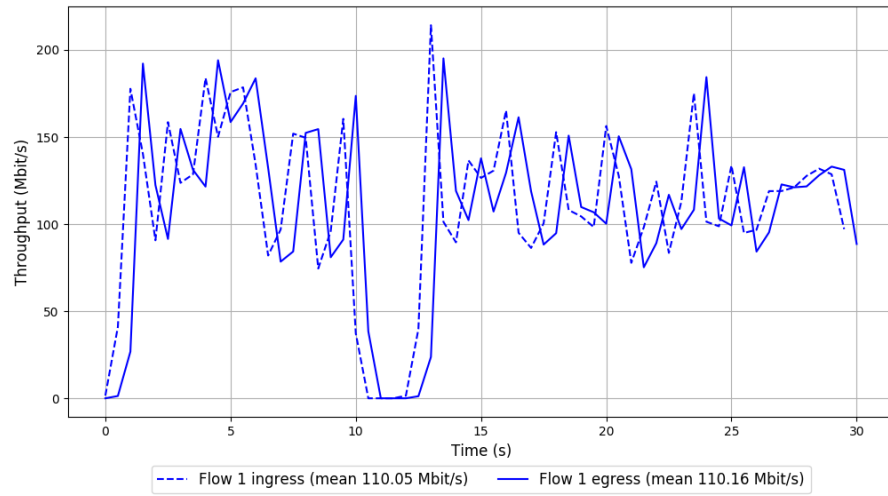


Run 1: Statistics of Copa

Start at: 2018-07-20 14:35:49
End at: 2018-07-20 14:36:19
Local clock offset: -0.22 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 18:13:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.16 Mbit/s
95th percentile per-packet one-way delay: 52.876 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 110.16 Mbit/s
95th percentile per-packet one-way delay: 52.876 ms
Loss rate: 0.24%

Run 1: Report of Copa — Data Link

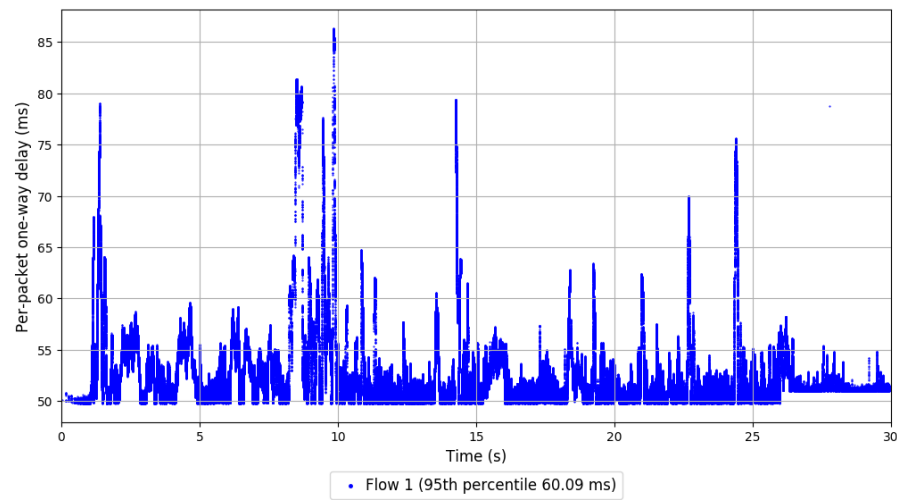
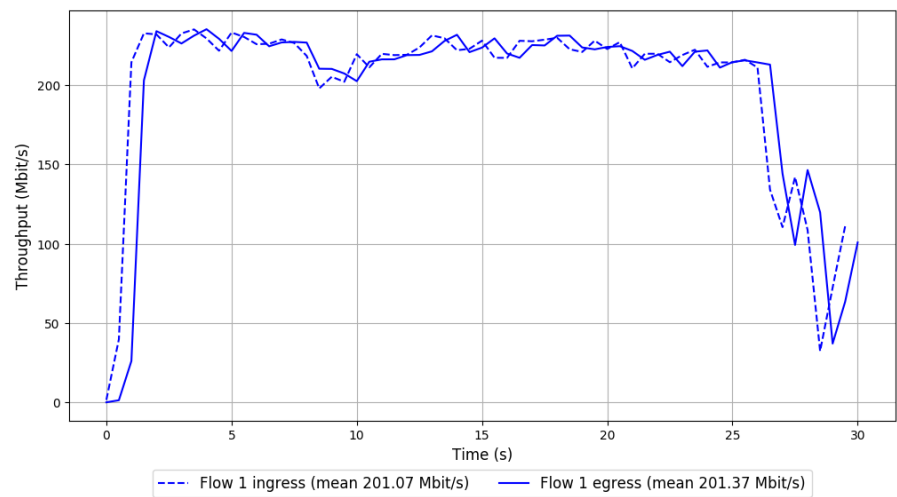


Run 2: Statistics of Copa

Start at: 2018-07-20 14:57:09
End at: 2018-07-20 14:57:39
Local clock offset: 0.341 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-20 18:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.37 Mbit/s
95th percentile per-packet one-way delay: 60.089 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 201.37 Mbit/s
95th percentile per-packet one-way delay: 60.089 ms
Loss rate: 0.18%

Run 2: Report of Copa — Data Link

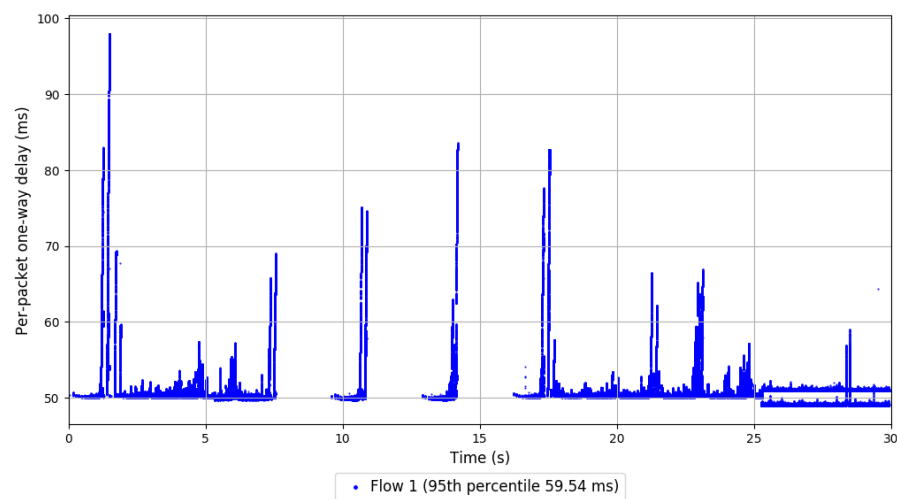
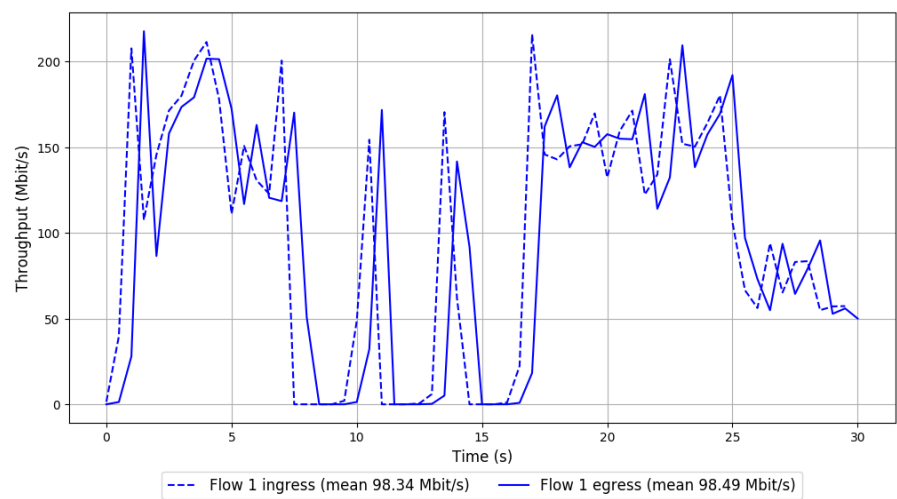


Run 3: Statistics of Copa

Start at: 2018-07-20 15:18:30
End at: 2018-07-20 15:19:00
Local clock offset: 0.29 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-20 18:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.49 Mbit/s
95th percentile per-packet one-way delay: 59.536 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 98.49 Mbit/s
95th percentile per-packet one-way delay: 59.536 ms
Loss rate: 0.19%

Run 3: Report of Copa — Data Link

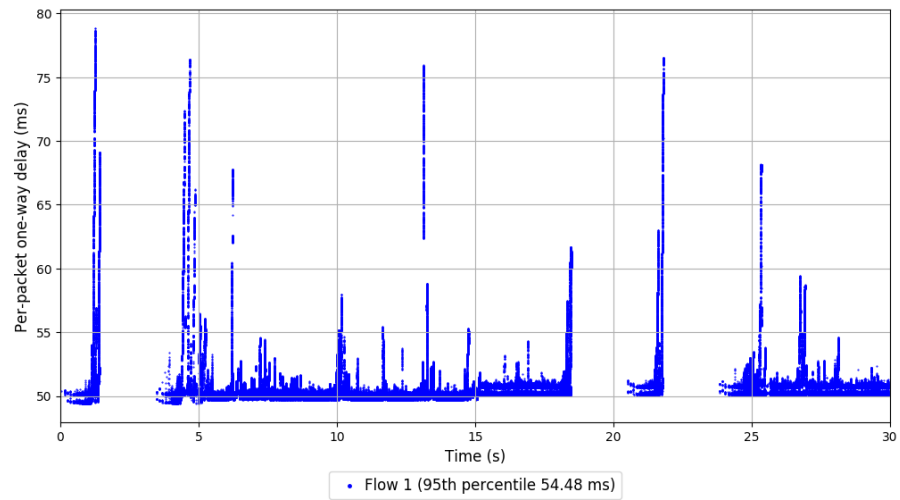
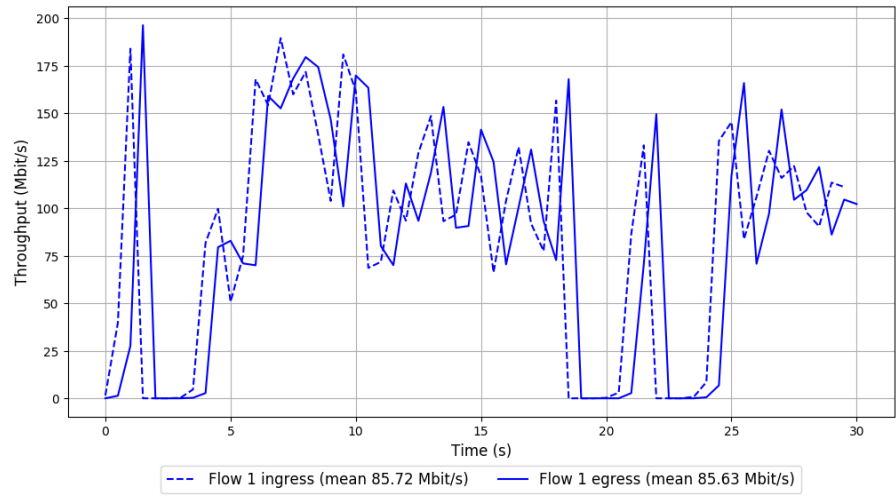


Run 4: Statistics of Copa

Start at: 2018-07-20 15:40:10
End at: 2018-07-20 15:40:40
Local clock offset: -0.051 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-20 18:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 54.476 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 54.476 ms
Loss rate: 0.44%

Run 4: Report of Copa — Data Link

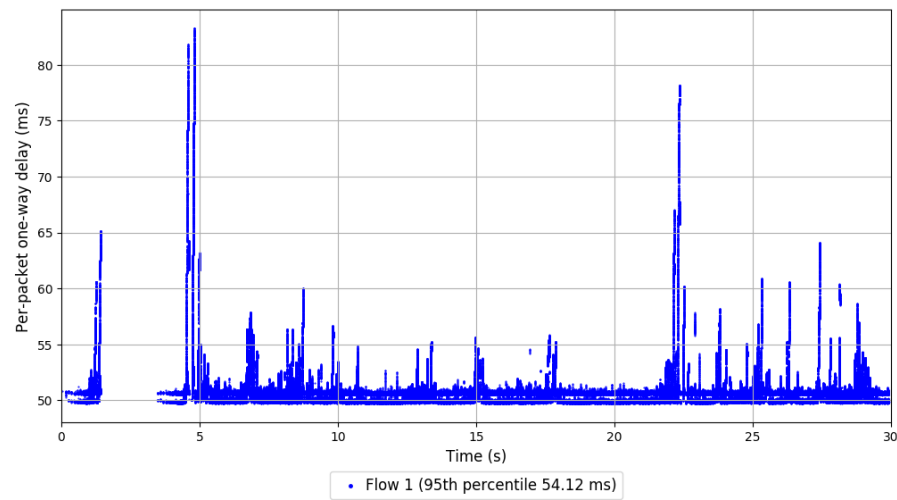
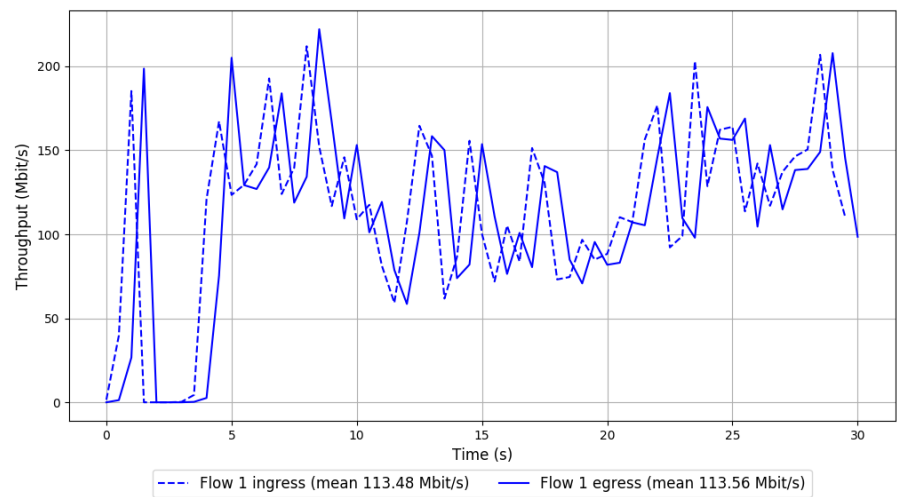


Run 5: Statistics of Copa

Start at: 2018-07-20 16:01:27
End at: 2018-07-20 16:01:57
Local clock offset: -0.045 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-20 18:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 54.116 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 54.116 ms
Loss rate: 0.27%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-20 16:22:58

End at: 2018-07-20 16:23:28

Local clock offset: 0.267 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-20 18:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.47 Mbit/s

95th percentile per-packet one-way delay: 59.643 ms

Loss rate: 0.00%

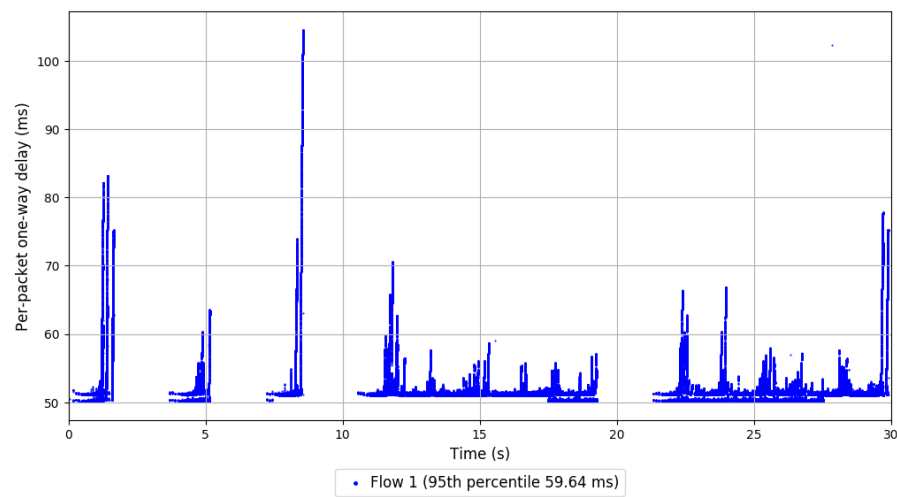
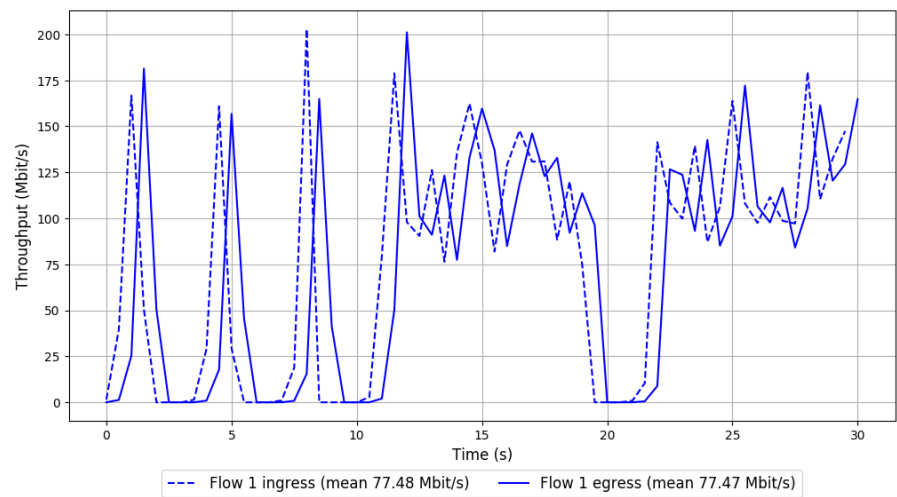
-- Flow 1:

Average throughput: 77.47 Mbit/s

95th percentile per-packet one-way delay: 59.643 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-20 16:44:25

End at: 2018-07-20 16:44:55

Local clock offset: 0.252 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-20 18:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.60 Mbit/s

95th percentile per-packet one-way delay: 55.562 ms

Loss rate: 0.00%

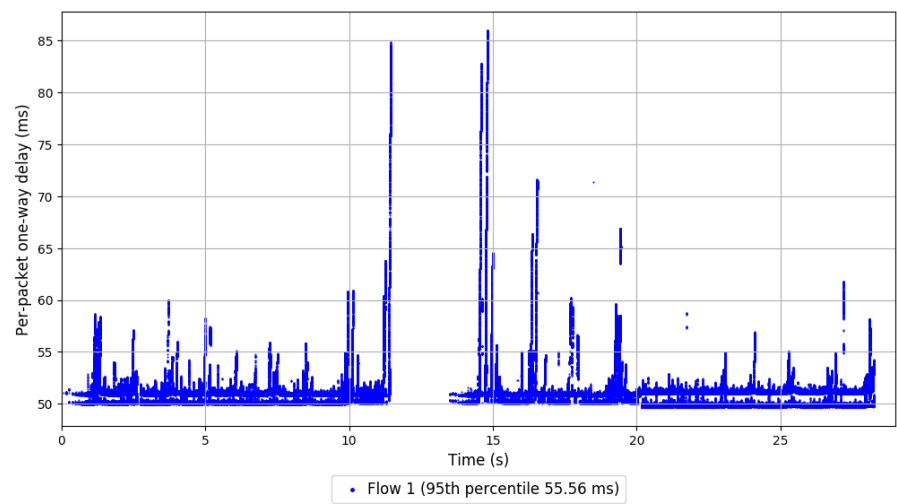
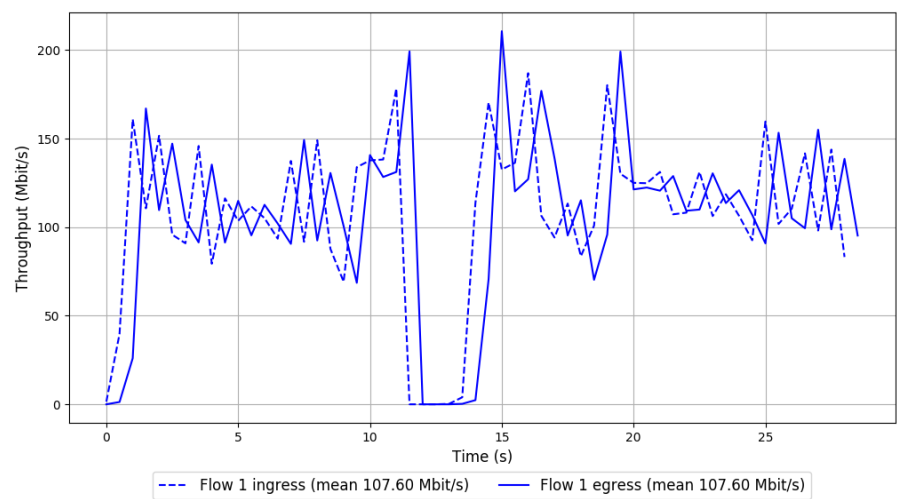
-- Flow 1:

Average throughput: 107.60 Mbit/s

95th percentile per-packet one-way delay: 55.562 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

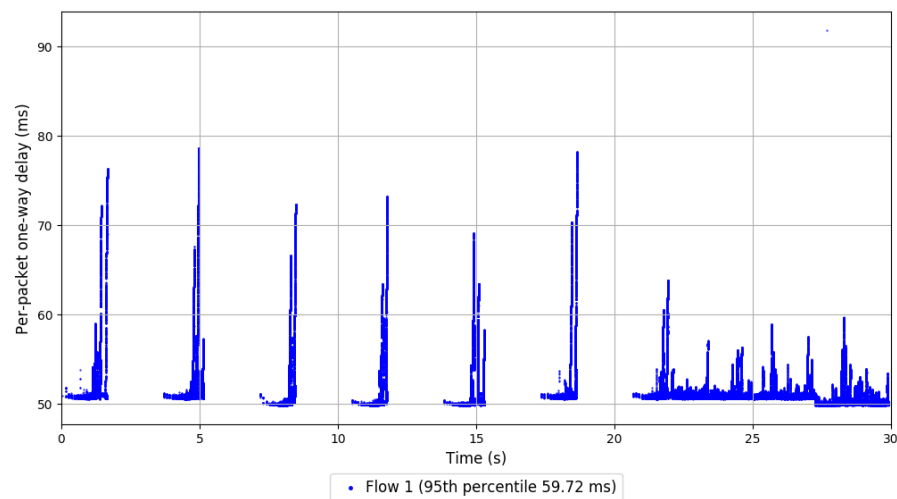
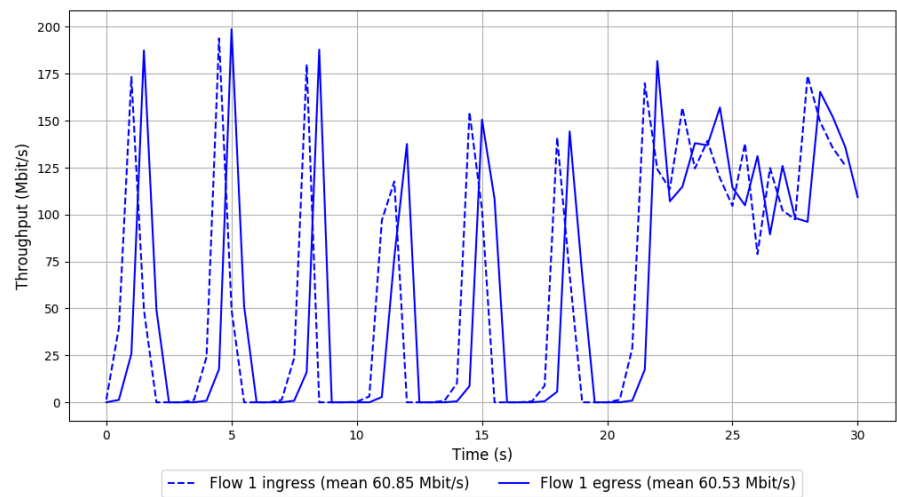


Run 8: Statistics of Copa

Start at: 2018-07-20 17:05:48
End at: 2018-07-20 17:06:18
Local clock offset: -0.122 ms
Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-20 18:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 59.720 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 59.720 ms
Loss rate: 0.87%

Run 8: Report of Copa — Data Link

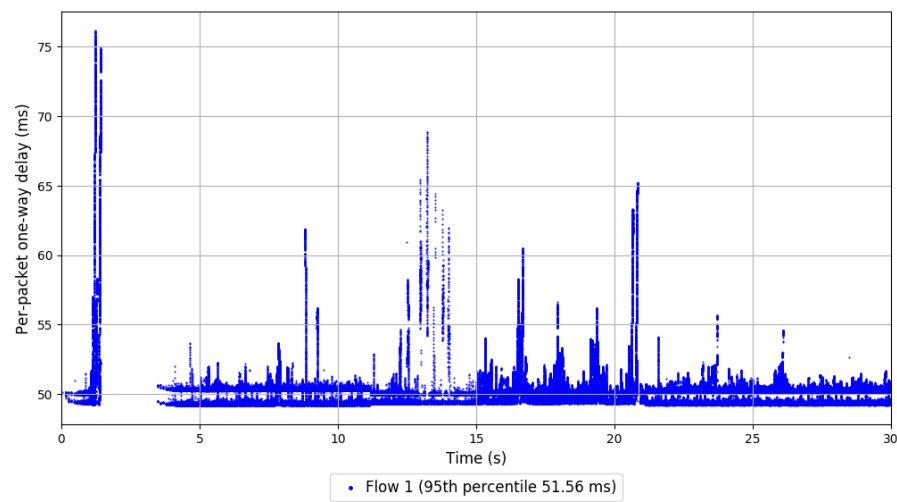
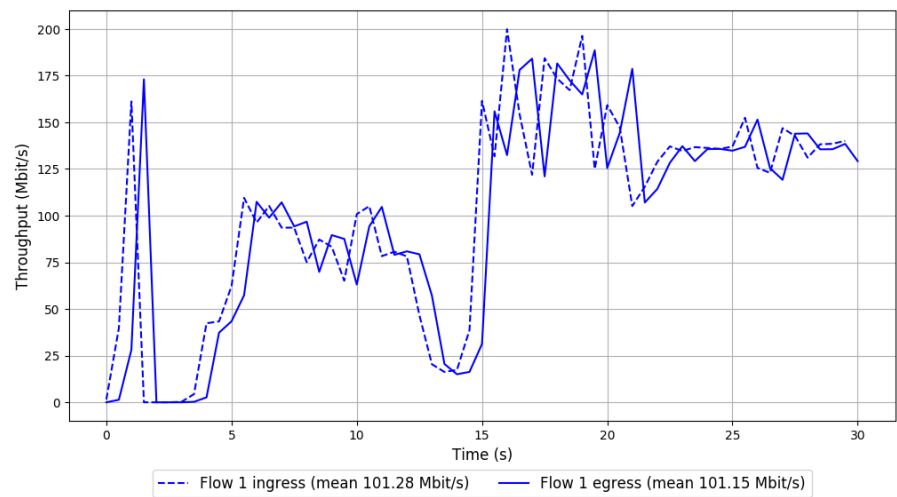


Run 9: Statistics of Copa

Start at: 2018-07-20 17:27:14
End at: 2018-07-20 17:27:44
Local clock offset: -0.509 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-20 18:15:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.15 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 101.15 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.46%

Run 9: Report of Copa — Data Link

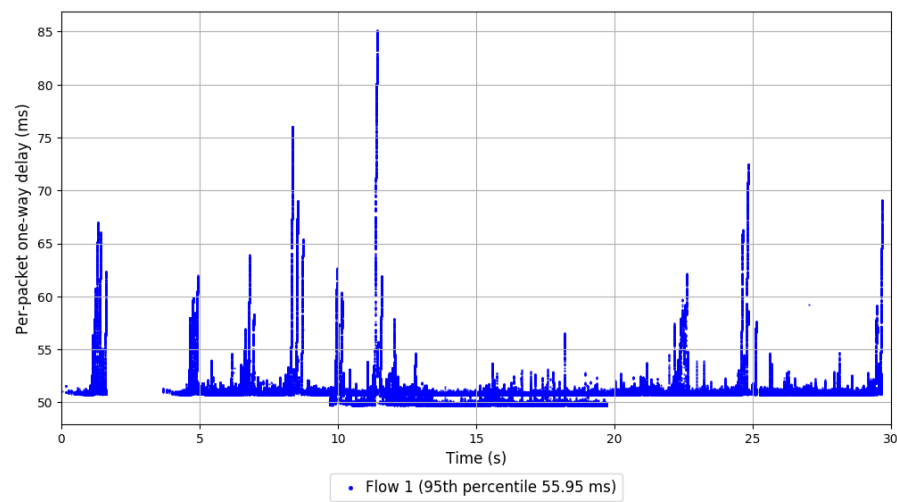
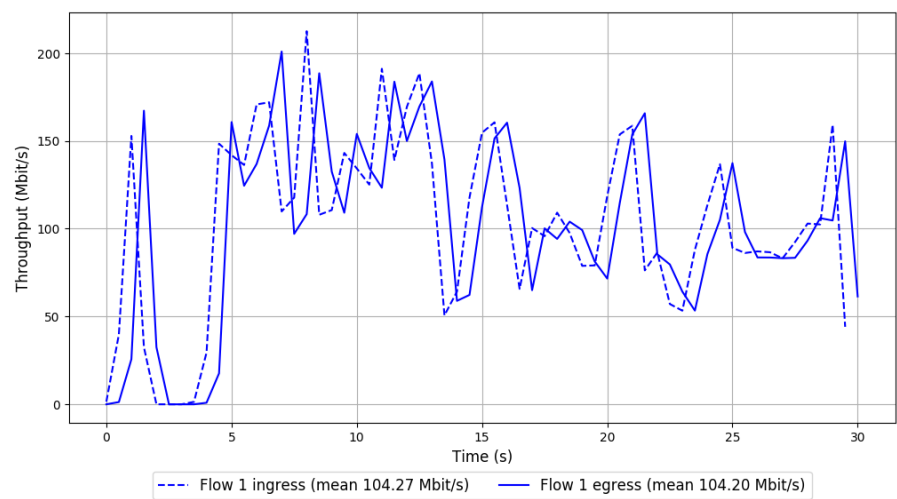


Run 10: Statistics of Copa

Start at: 2018-07-20 17:48:46
End at: 2018-07-20 17:49:16
Local clock offset: -0.127 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-20 18:16:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.20 Mbit/s
95th percentile per-packet one-way delay: 55.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.20 Mbit/s
95th percentile per-packet one-way delay: 55.952 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

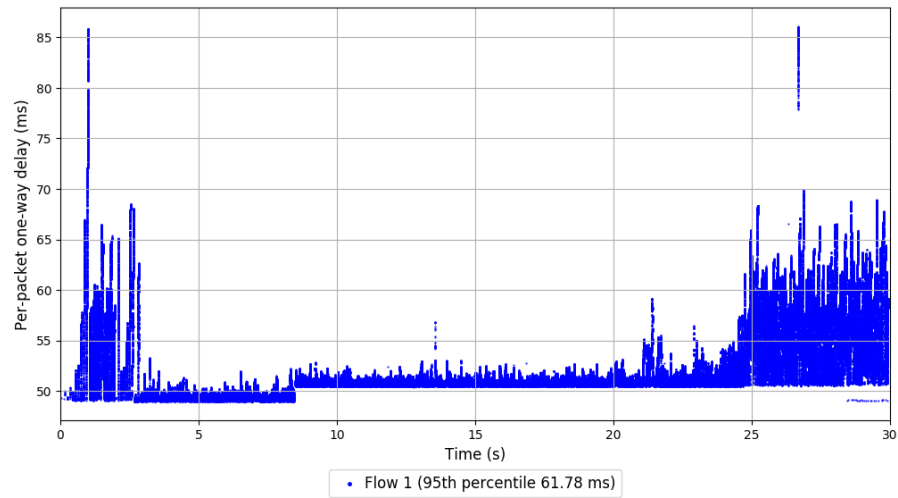
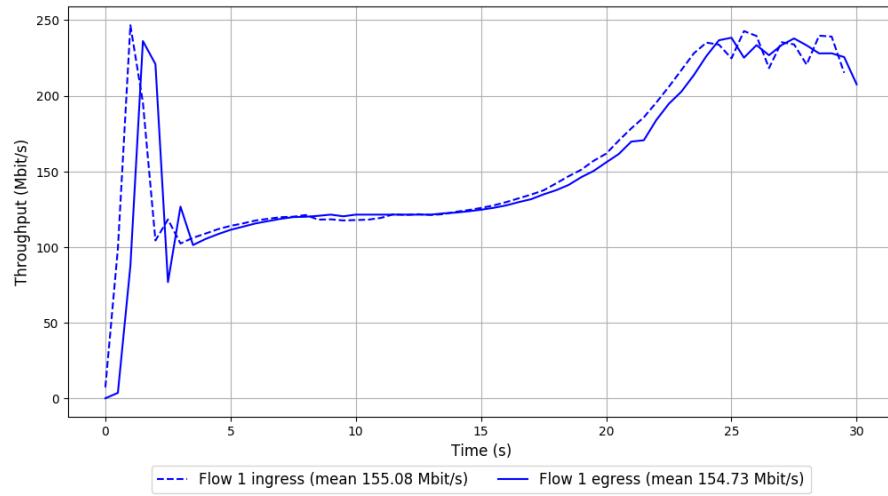


Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 14:41:57
End at: 2018-07-20 14:42:27
Local clock offset: 0.185 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-20 18:16:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.73 Mbit/s
95th percentile per-packet one-way delay: 61.783 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 154.73 Mbit/s
95th percentile per-packet one-way delay: 61.783 ms
Loss rate: 0.54%

Run 1: Report of TCP Cubic — Data Link

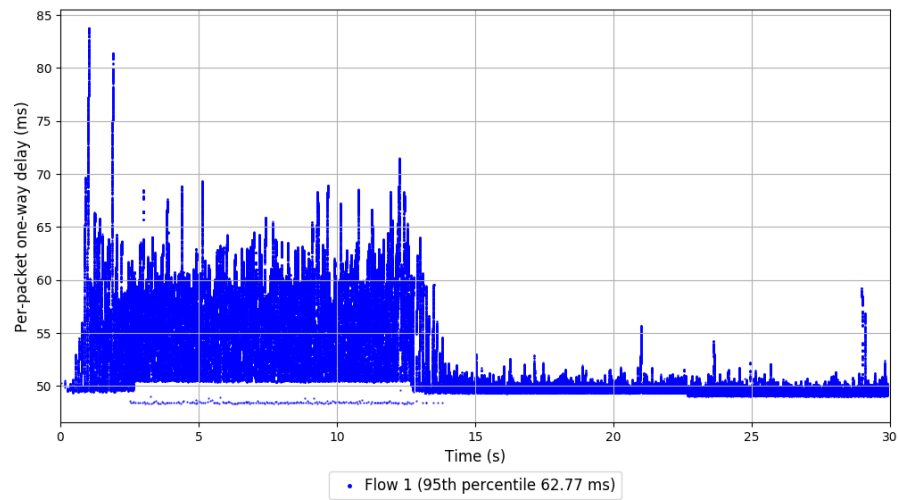
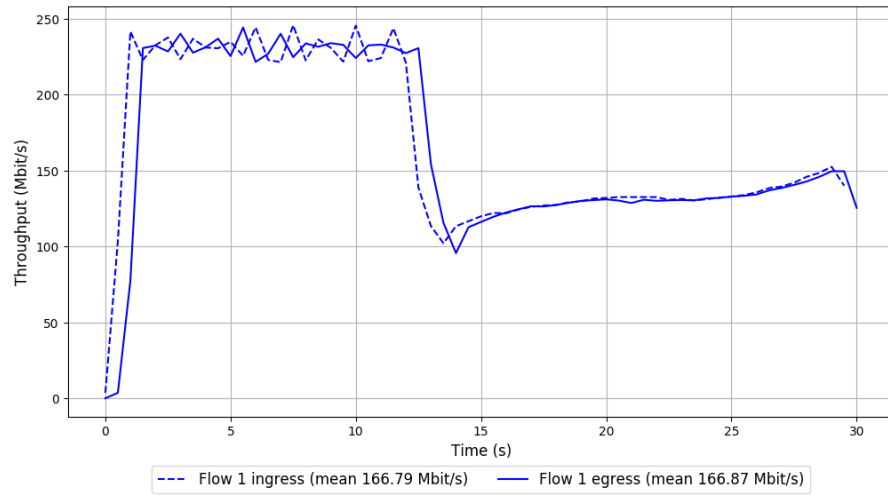


Run 2: Statistics of TCP Cubic

Start at: 2018-07-20 15:03:33
End at: 2018-07-20 15:04:03
Local clock offset: -0.409 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-20 18:16:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.87 Mbit/s
95th percentile per-packet one-way delay: 62.768 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 166.87 Mbit/s
95th percentile per-packet one-way delay: 62.768 ms
Loss rate: 0.29%

Run 2: Report of TCP Cubic — Data Link

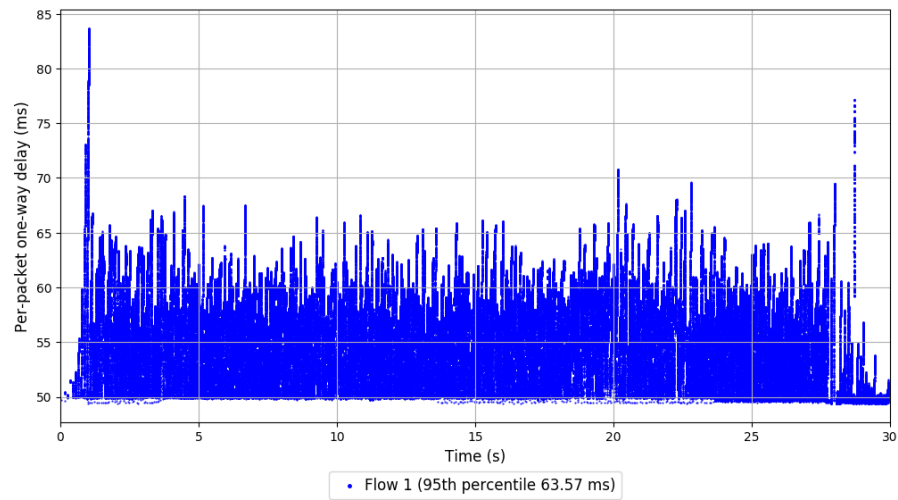
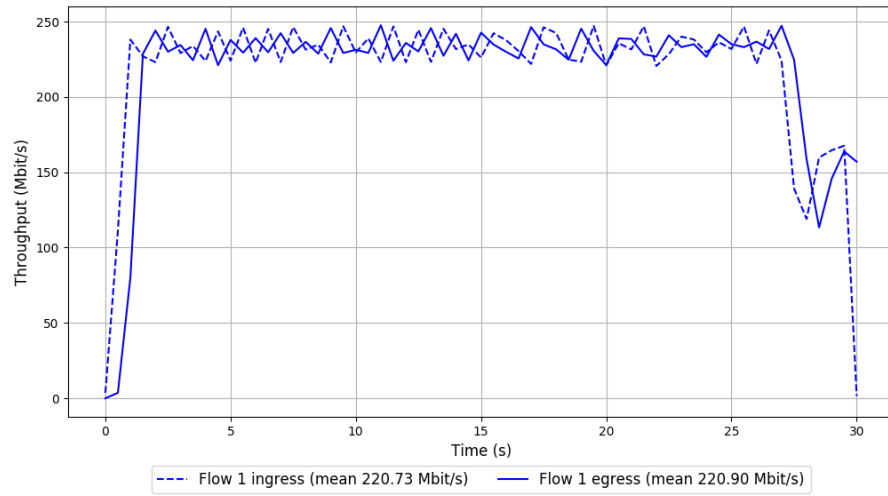


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 15:24:52
End at: 2018-07-20 15:25:22
Local clock offset: -0.069 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-20 18:16:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.90 Mbit/s
95th percentile per-packet one-way delay: 63.569 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 220.90 Mbit/s
95th percentile per-packet one-way delay: 63.569 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link

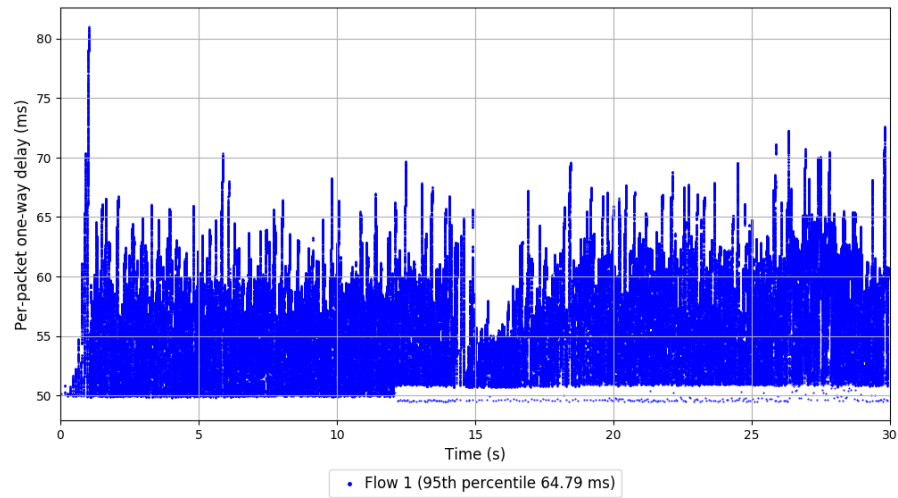
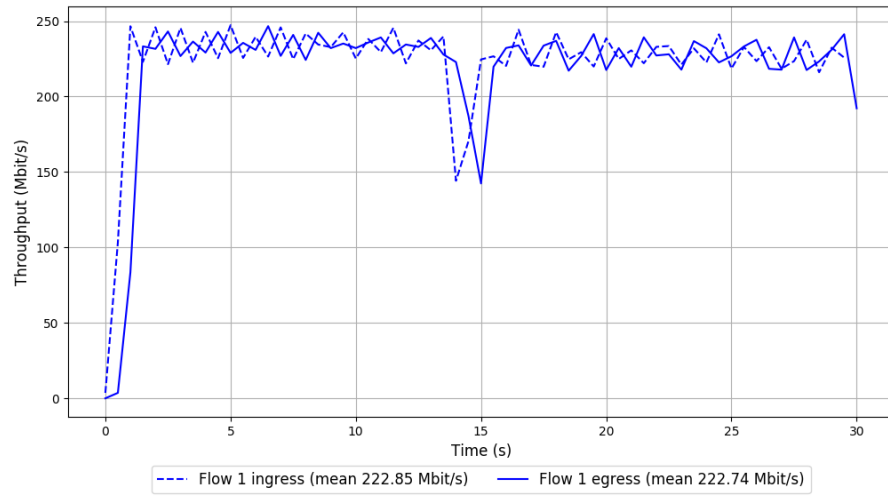


Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 15:46:23
End at: 2018-07-20 15:46:53
Local clock offset: -0.04 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-20 18:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.74 Mbit/s
95th percentile per-packet one-way delay: 64.786 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 222.74 Mbit/s
95th percentile per-packet one-way delay: 64.786 ms
Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link

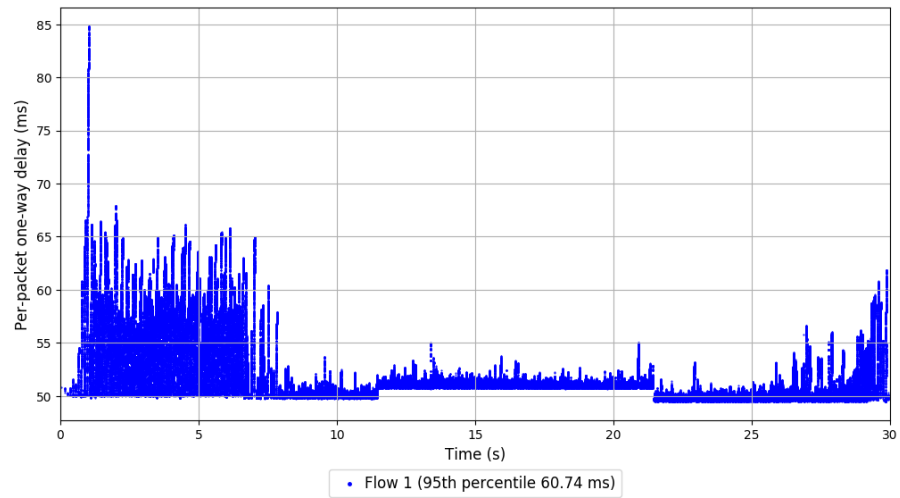
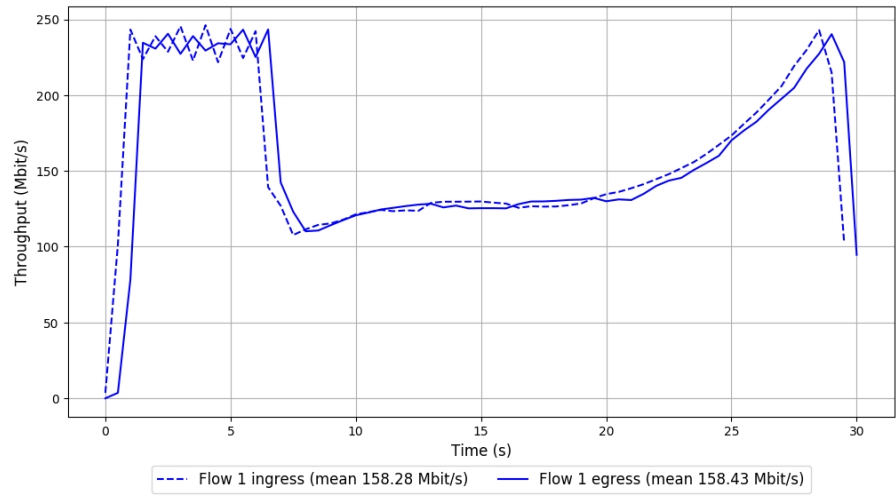


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 16:07:44
End at: 2018-07-20 16:08:14
Local clock offset: -0.019 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 18:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.43 Mbit/s
95th percentile per-packet one-way delay: 60.738 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 158.43 Mbit/s
95th percentile per-packet one-way delay: 60.738 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 16:29:18

End at: 2018-07-20 16:29:48

Local clock offset: -0.027 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-20 18:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.45 Mbit/s

95th percentile per-packet one-way delay: 63.697 ms

Loss rate: 0.26%

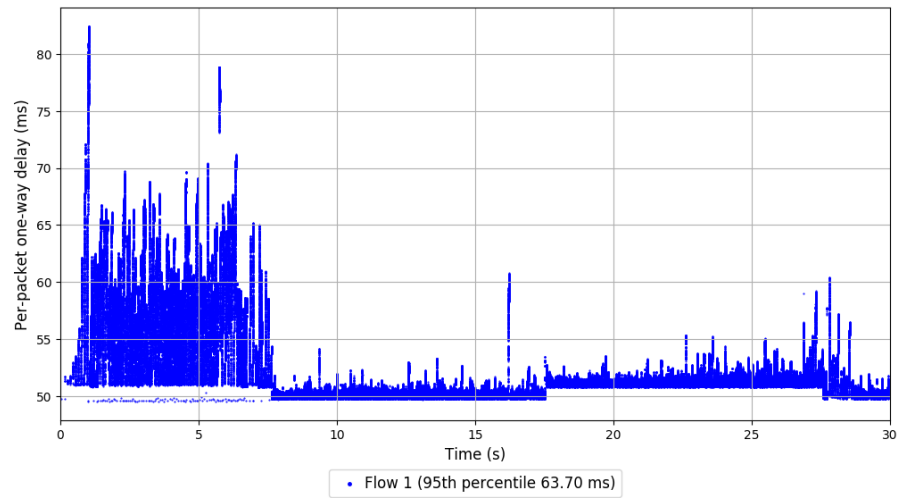
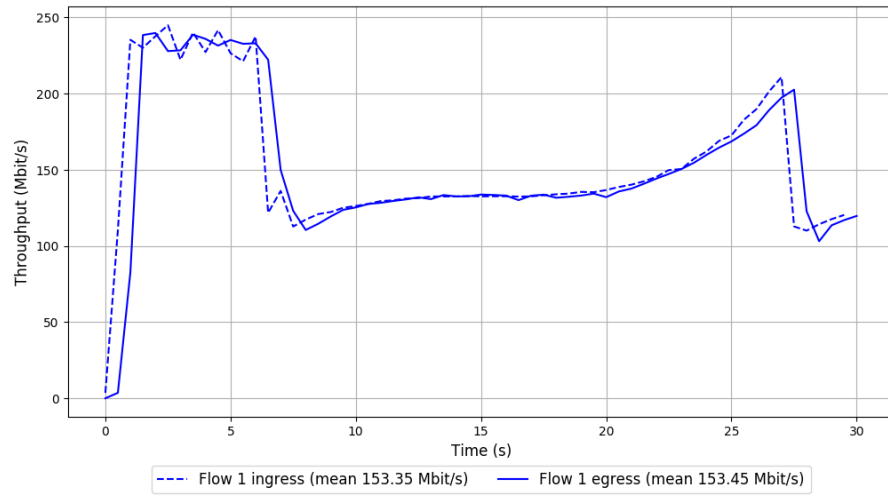
-- Flow 1:

Average throughput: 153.45 Mbit/s

95th percentile per-packet one-way delay: 63.697 ms

Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link

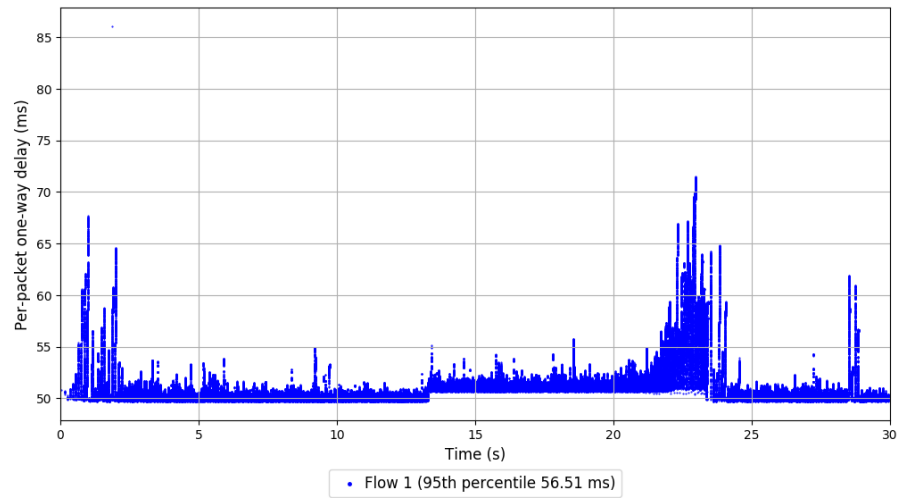
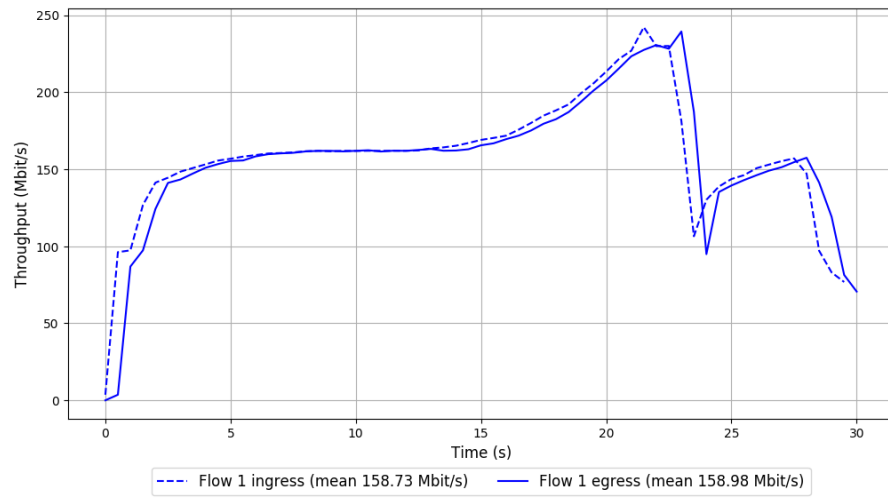


Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 16:50:42
End at: 2018-07-20 16:51:12
Local clock offset: -0.127 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-20 18:18:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.98 Mbit/s
95th percentile per-packet one-way delay: 56.514 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 158.98 Mbit/s
95th percentile per-packet one-way delay: 56.514 ms
Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link

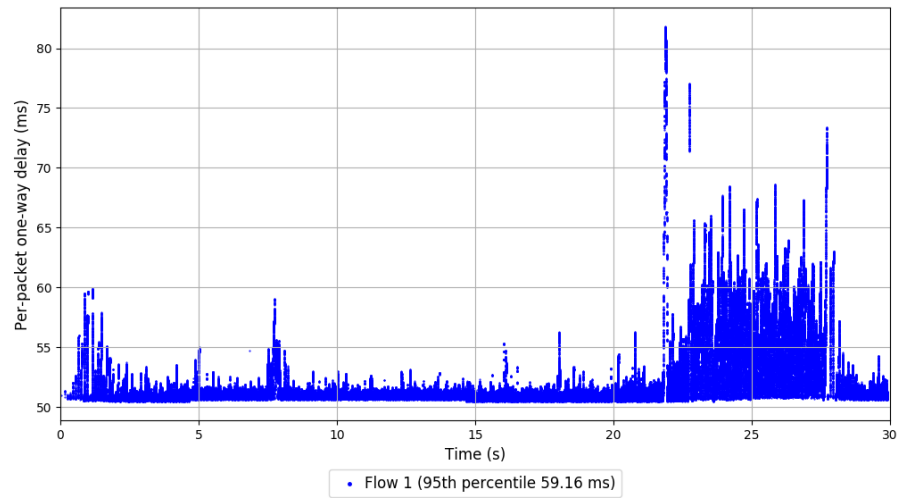
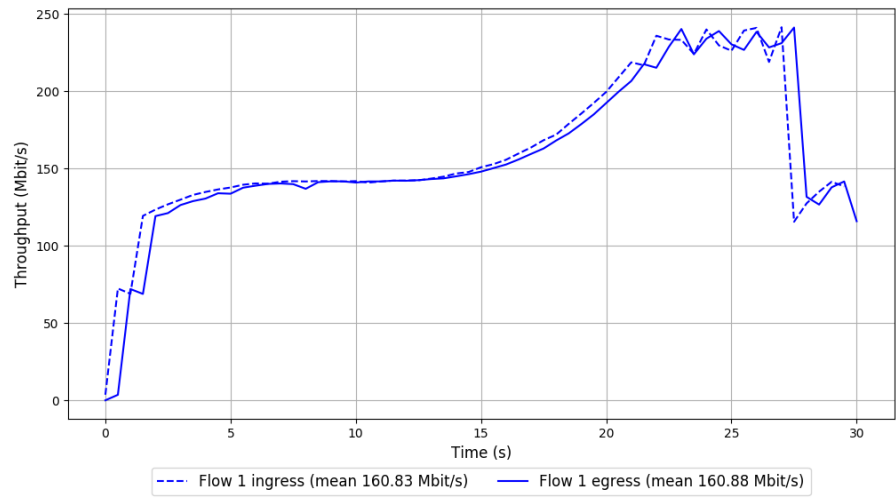


Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 17:12:01
End at: 2018-07-20 17:12:31
Local clock offset: -0.214 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-20 18:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.88 Mbit/s
95th percentile per-packet one-way delay: 59.159 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 160.88 Mbit/s
95th percentile per-packet one-way delay: 59.159 ms
Loss rate: 0.30%

Run 8: Report of TCP Cubic — Data Link

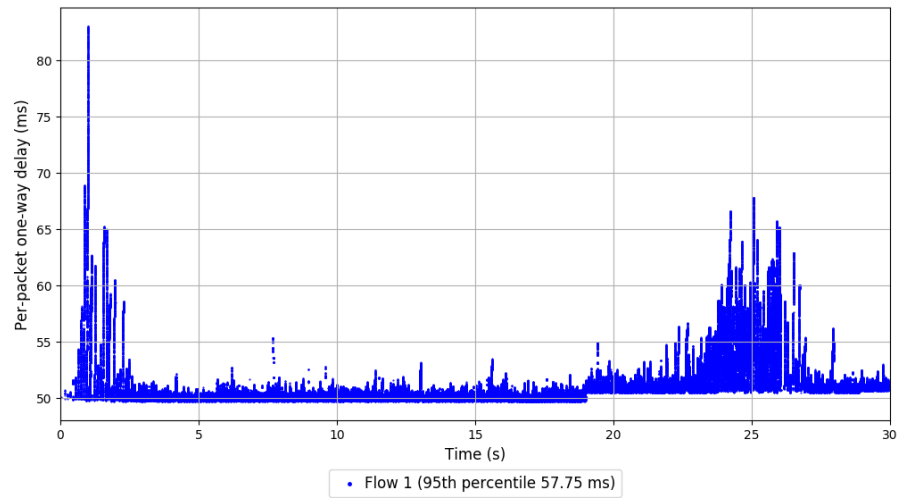
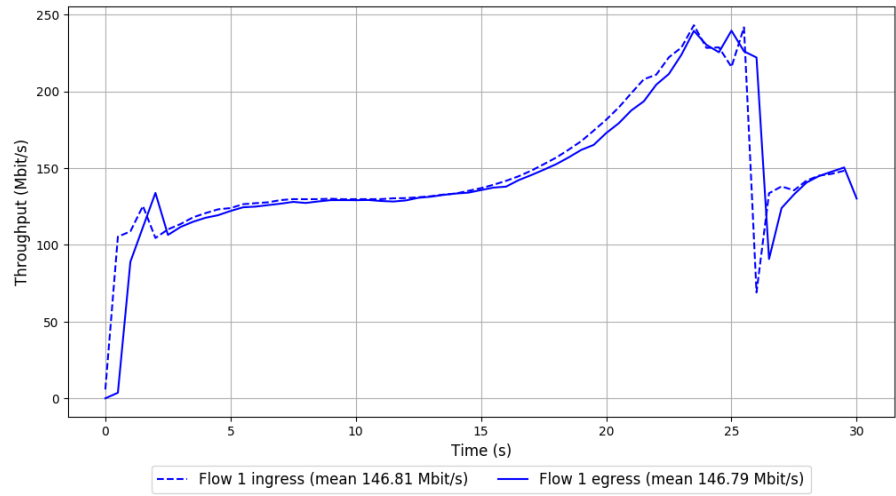


Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 17:33:36
End at: 2018-07-20 17:34:06
Local clock offset: -0.122 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-20 18:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 57.752 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 57.752 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-20 17:54:58

End at: 2018-07-20 17:55:28

Local clock offset: -0.094 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-20 18:18:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.10 Mbit/s

95th percentile per-packet one-way delay: 60.883 ms

Loss rate: 0.31%

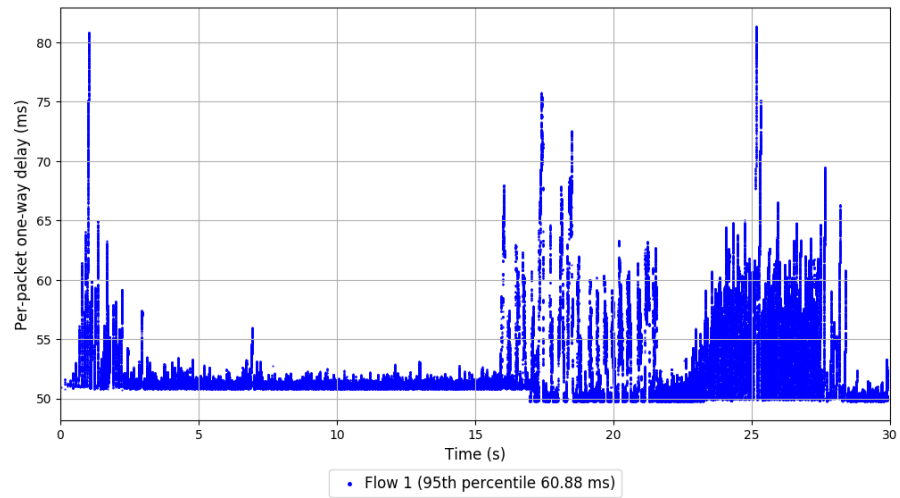
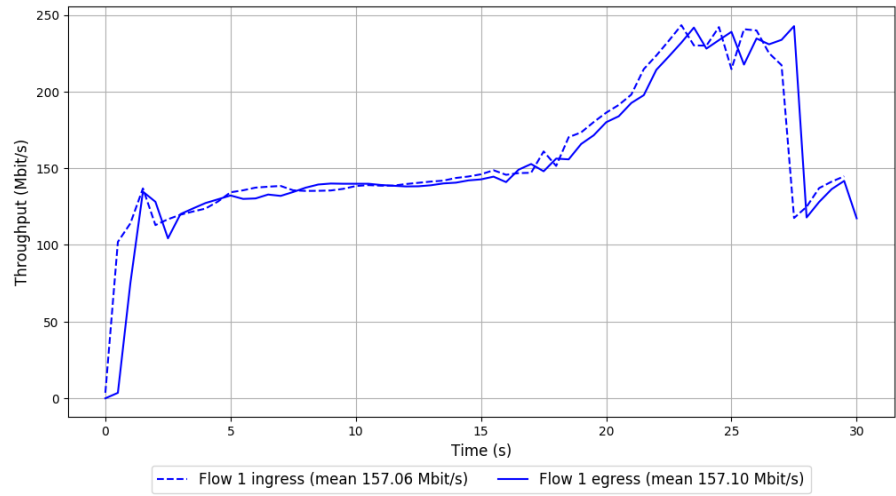
-- Flow 1:

Average throughput: 157.10 Mbit/s

95th percentile per-packet one-way delay: 60.883 ms

Loss rate: 0.31%

Run 10: Report of TCP Cubic — Data Link

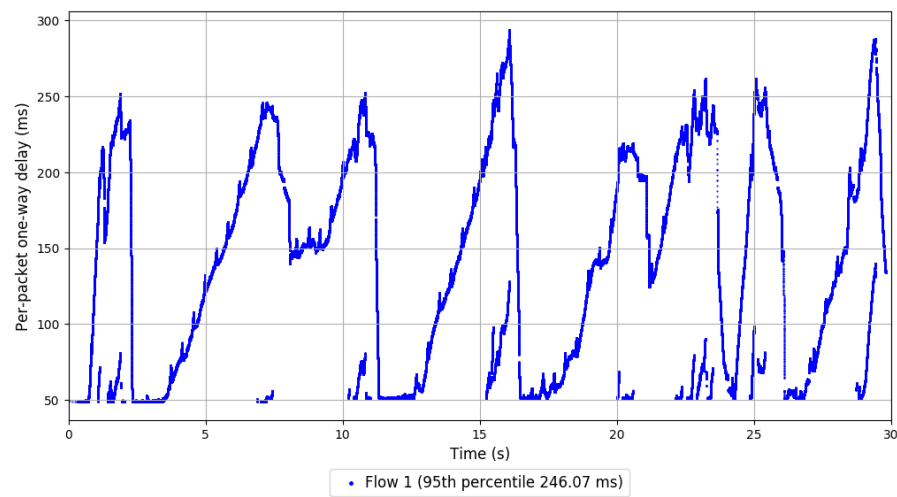
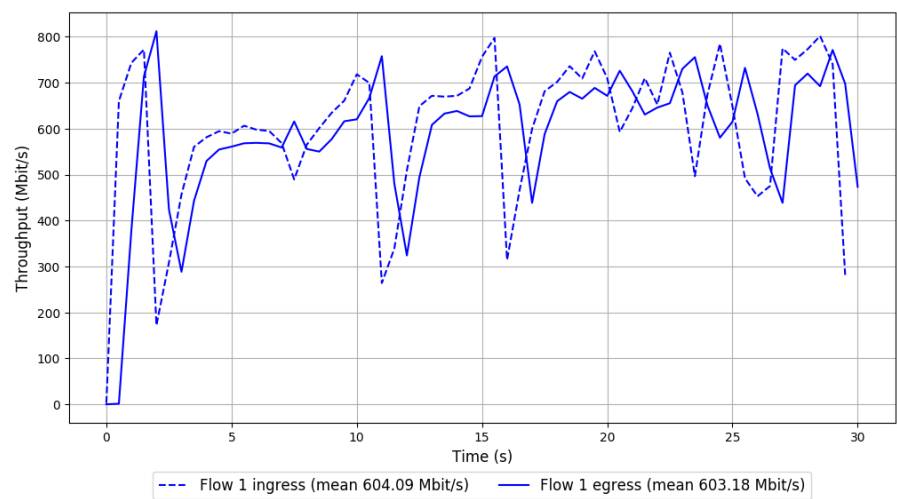


Run 1: Statistics of FillP

Start at: 2018-07-20 14:32:08
End at: 2018-07-20 14:32:38
Local clock offset: 0.093 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 18:28:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 603.18 Mbit/s
95th percentile per-packet one-way delay: 246.075 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 603.18 Mbit/s
95th percentile per-packet one-way delay: 246.075 ms
Loss rate: 0.49%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-20 14:53:28

End at: 2018-07-20 14:53:58

Local clock offset: -0.03 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-20 18:28:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 581.23 Mbit/s

95th percentile per-packet one-way delay: 227.343 ms

Loss rate: 0.62%

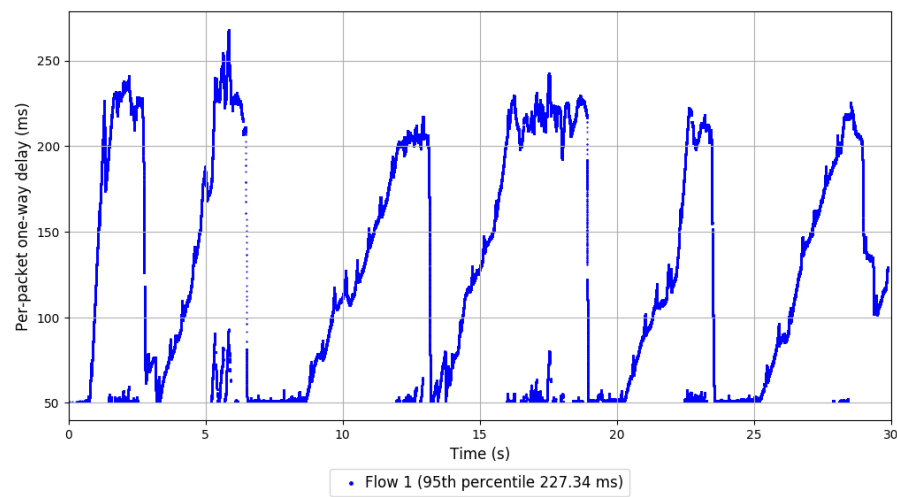
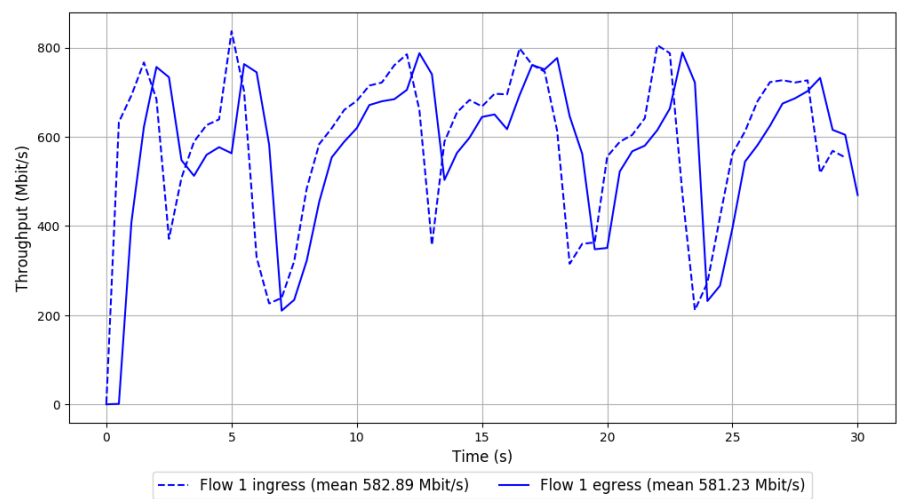
-- Flow 1:

Average throughput: 581.23 Mbit/s

95th percentile per-packet one-way delay: 227.343 ms

Loss rate: 0.62%

Run 2: Report of FillP — Data Link

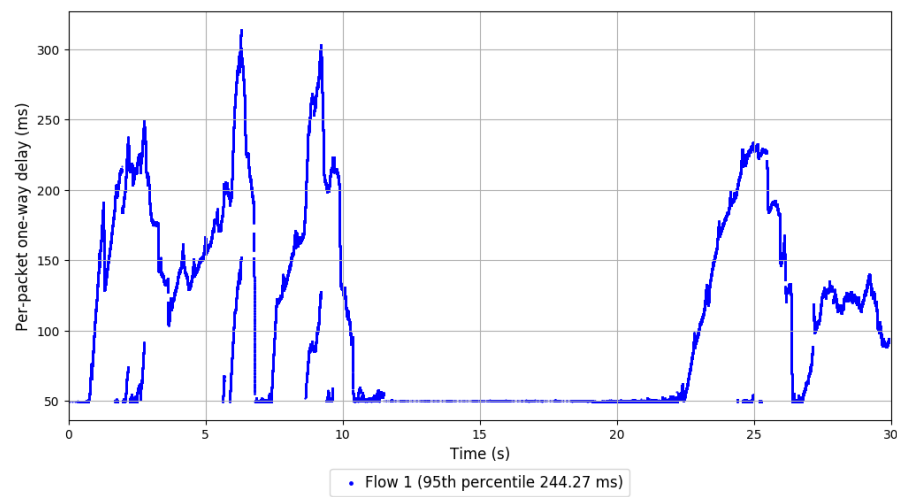
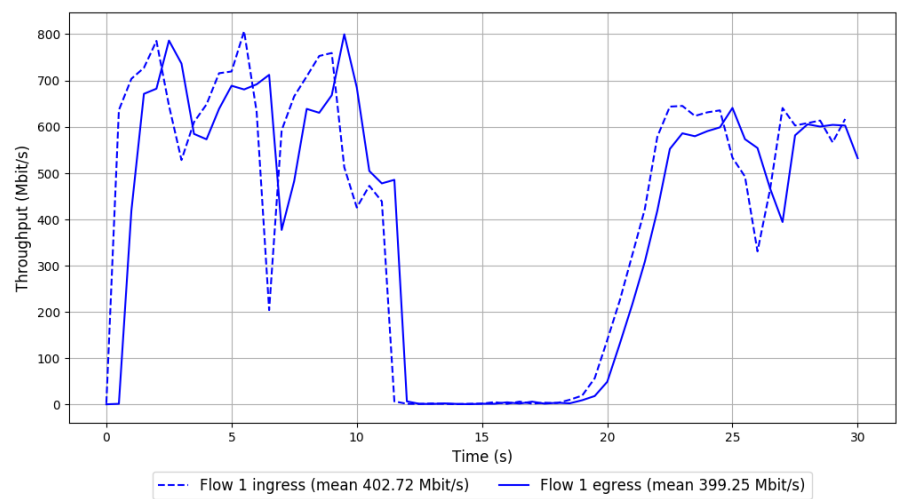


Run 3: Statistics of FillP

Start at: 2018-07-20 15:14:56
End at: 2018-07-20 15:15:26
Local clock offset: -0.071 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 18:28:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.25 Mbit/s
95th percentile per-packet one-way delay: 244.269 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 399.25 Mbit/s
95th percentile per-packet one-way delay: 244.269 ms
Loss rate: 1.19%

Run 3: Report of FillP — Data Link

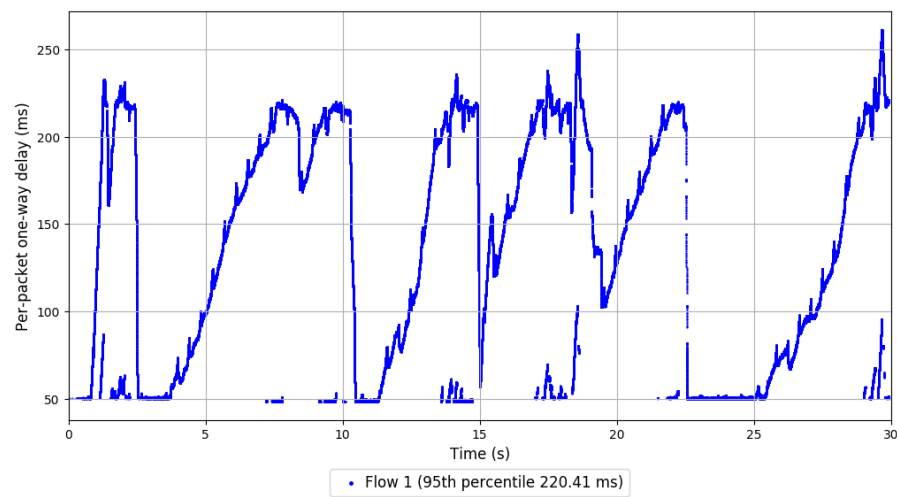
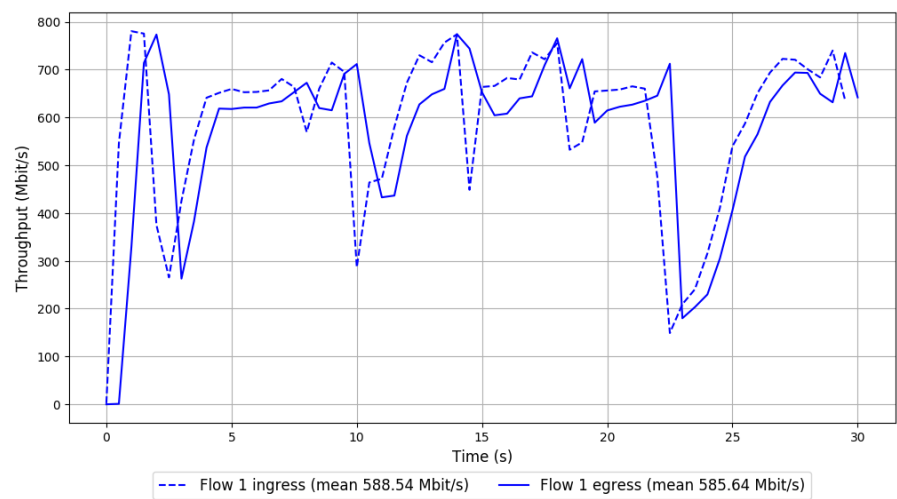


Run 4: Statistics of FillP

Start at: 2018-07-20 15:36:29
End at: 2018-07-20 15:36:59
Local clock offset: -0.388 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-20 18:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 585.64 Mbit/s
95th percentile per-packet one-way delay: 220.414 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 585.64 Mbit/s
95th percentile per-packet one-way delay: 220.414 ms
Loss rate: 0.83%

Run 4: Report of FillP — Data Link

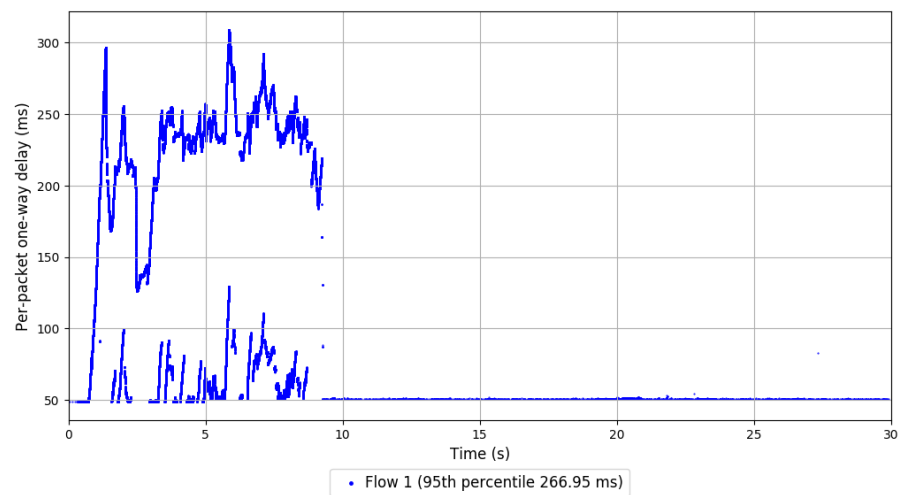
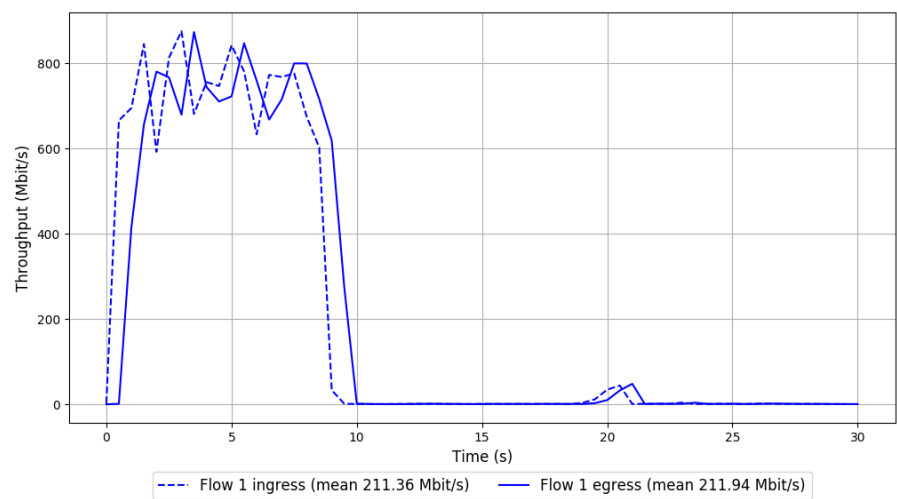


Run 5: Statistics of FillP

Start at: 2018-07-20 15:58:00
End at: 2018-07-20 15:58:30
Local clock offset: -0.048 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-20 18:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.94 Mbit/s
95th percentile per-packet one-way delay: 266.955 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 211.94 Mbit/s
95th percentile per-packet one-way delay: 266.955 ms
Loss rate: 0.06%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-20 16:19:15

End at: 2018-07-20 16:19:45

Local clock offset: -0.041 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-20 18:29:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 619.66 Mbit/s

95th percentile per-packet one-way delay: 226.667 ms

Loss rate: 0.72%

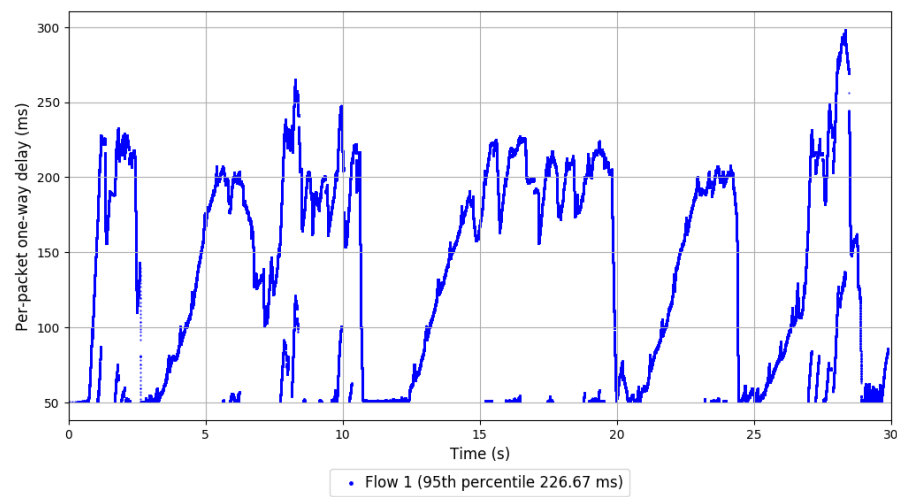
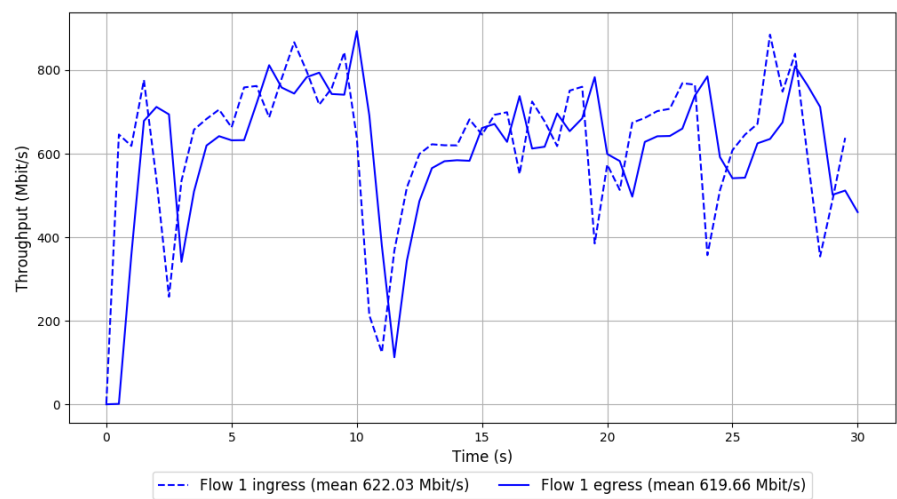
-- Flow 1:

Average throughput: 619.66 Mbit/s

95th percentile per-packet one-way delay: 226.667 ms

Loss rate: 0.72%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-20 16:40:42

End at: 2018-07-20 16:41:12

Local clock offset: -0.386 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-20 18:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 624.71 Mbit/s

95th percentile per-packet one-way delay: 255.076 ms

Loss rate: 1.39%

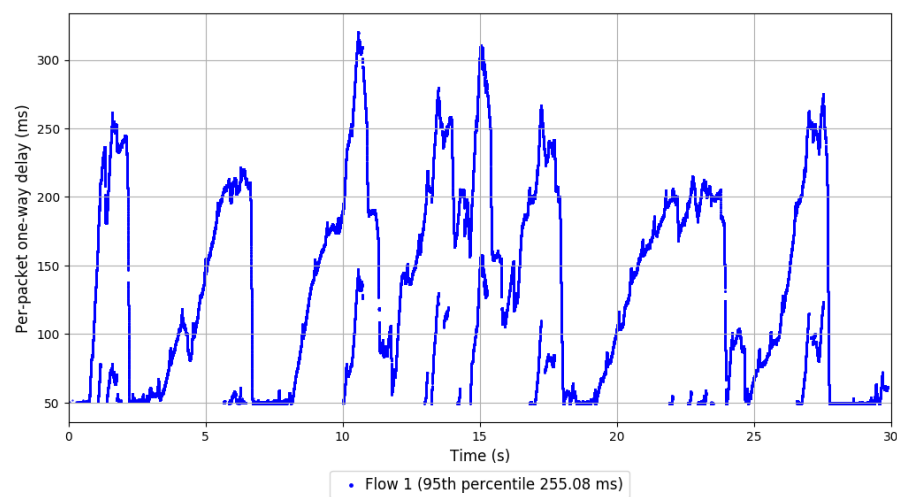
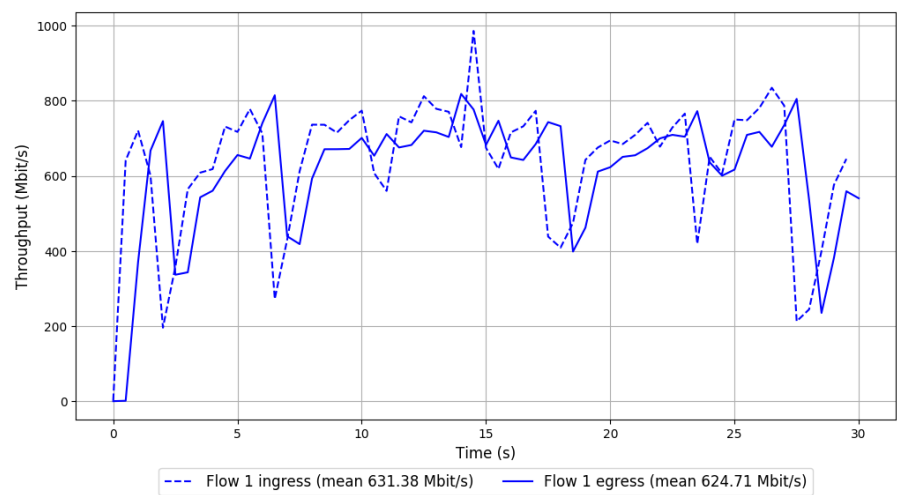
-- Flow 1:

Average throughput: 624.71 Mbit/s

95th percentile per-packet one-way delay: 255.076 ms

Loss rate: 1.39%

Run 7: Report of FillP — Data Link

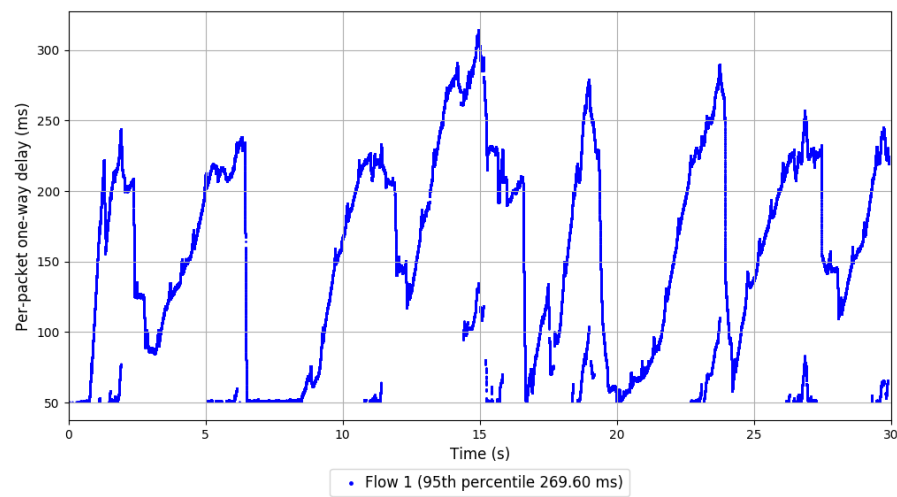
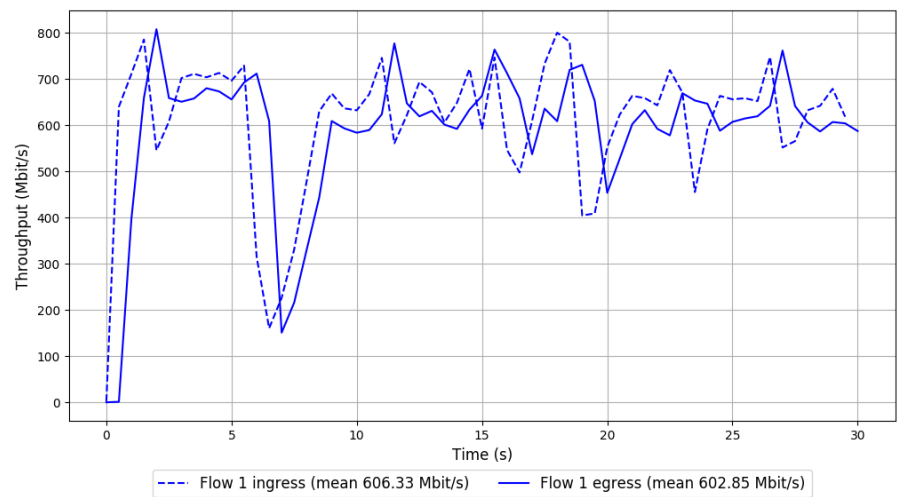


Run 8: Statistics of FillP

Start at: 2018-07-20 17:02:06
End at: 2018-07-20 17:02:36
Local clock offset: -0.2 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-20 18:30:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 602.85 Mbit/s
95th percentile per-packet one-way delay: 269.598 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 602.85 Mbit/s
95th percentile per-packet one-way delay: 269.598 ms
Loss rate: 0.91%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-20 17:23:34

End at: 2018-07-20 17:24:04

Local clock offset: -0.126 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-20 18:33:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.12 Mbit/s

95th percentile per-packet one-way delay: 237.537 ms

Loss rate: 0.98%

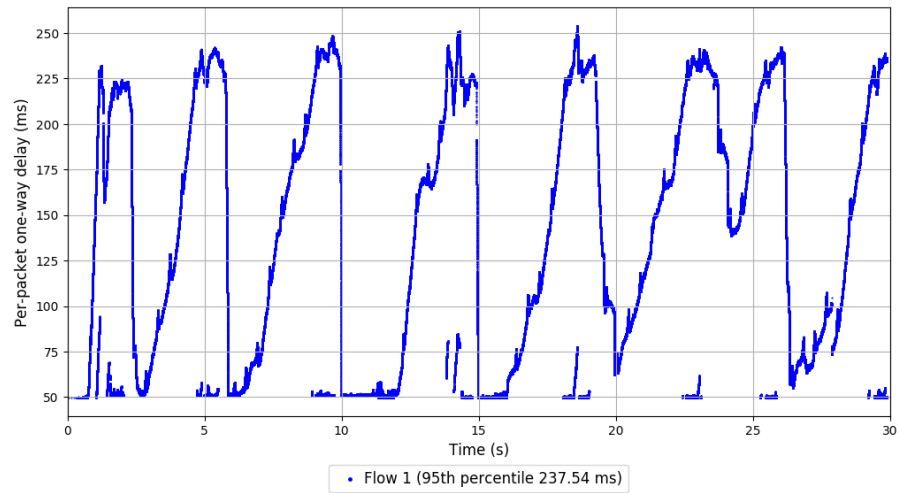
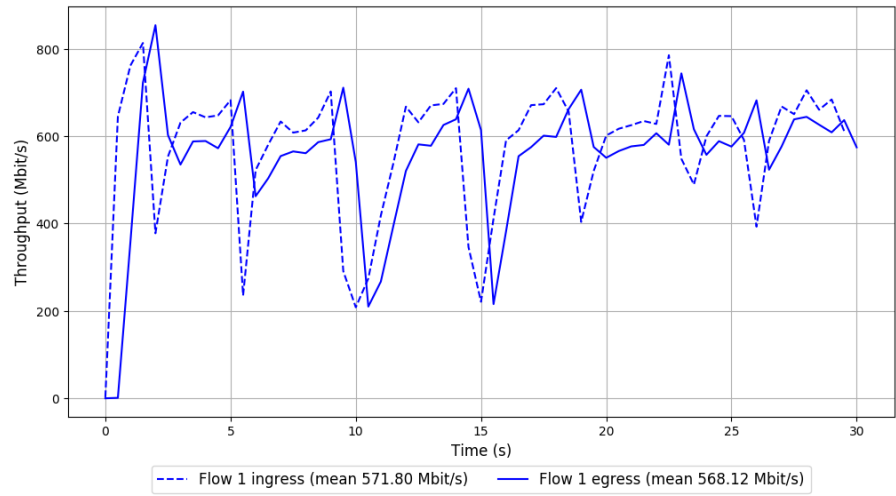
-- Flow 1:

Average throughput: 568.12 Mbit/s

95th percentile per-packet one-way delay: 237.537 ms

Loss rate: 0.98%

Run 9: Report of FillP — Data Link

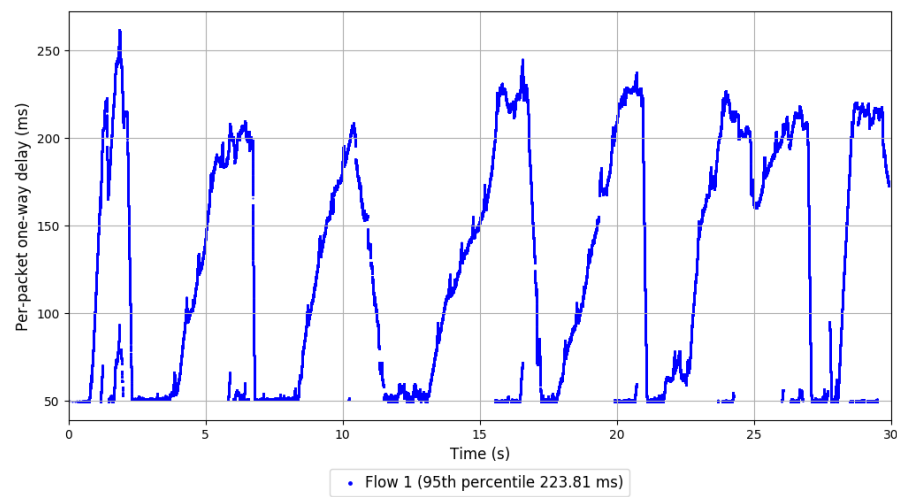
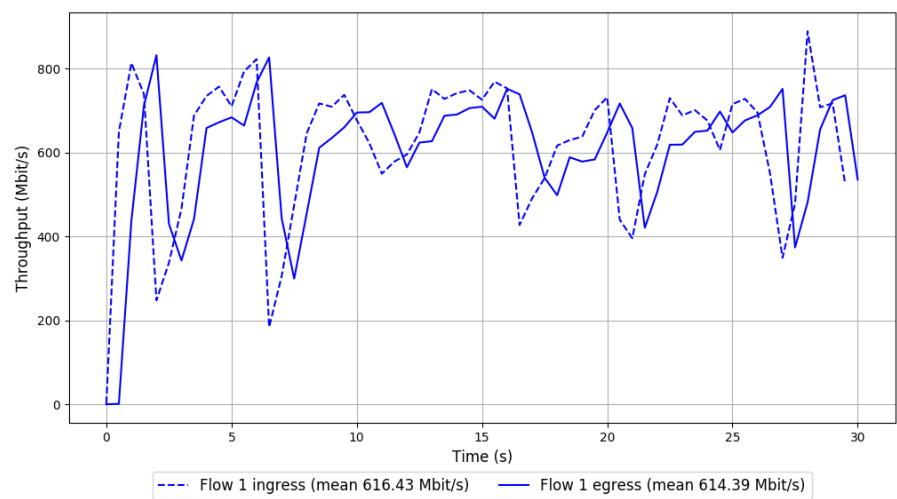


Run 10: Statistics of FillP

Start at: 2018-07-20 17:45:04
End at: 2018-07-20 17:45:34
Local clock offset: -0.139 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-20 18:38:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 614.39 Mbit/s
95th percentile per-packet one-way delay: 223.808 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 614.39 Mbit/s
95th percentile per-packet one-way delay: 223.808 ms
Loss rate: 0.67%

Run 10: Report of FillP — Data Link

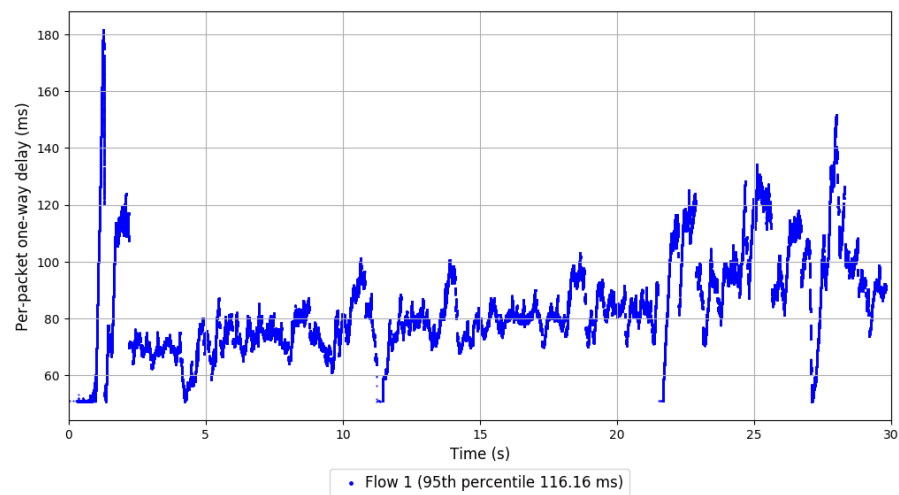
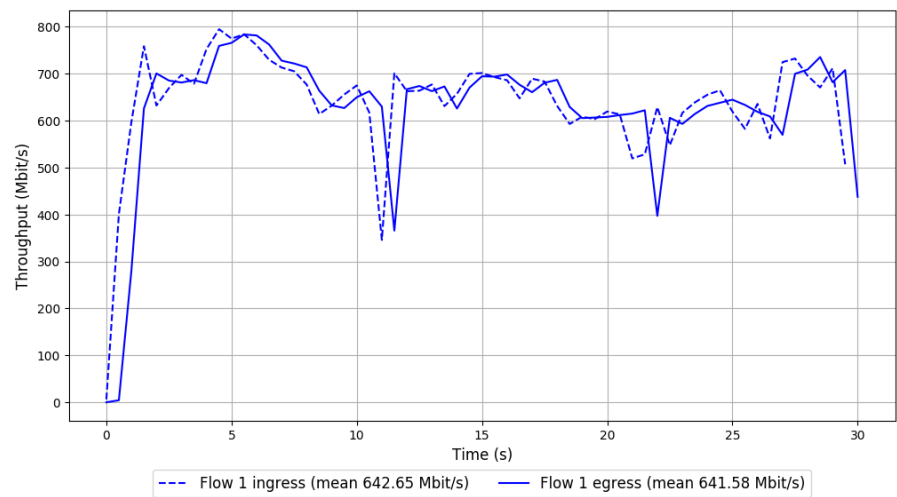


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 14:30:38
End at: 2018-07-20 14:31:08
Local clock offset: -0.34 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 18:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 641.58 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 641.58 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 0.51%

Run 1: Report of FillP-Sheep — Data Link

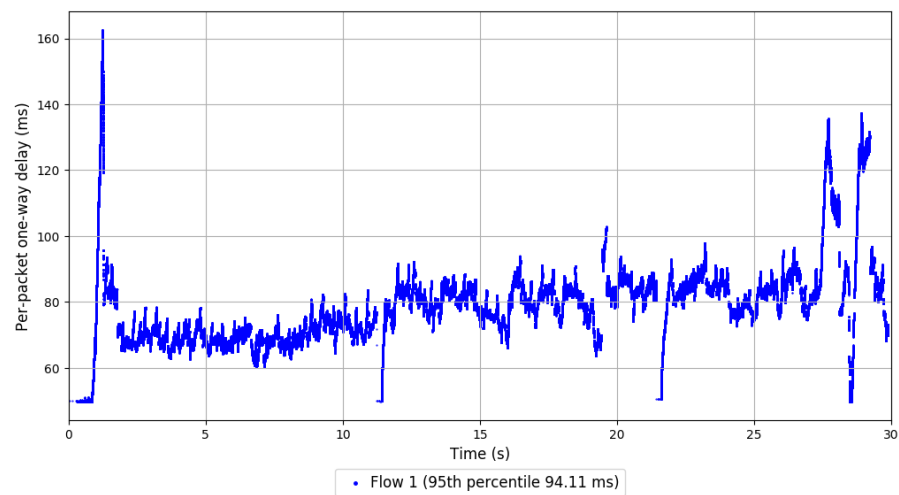
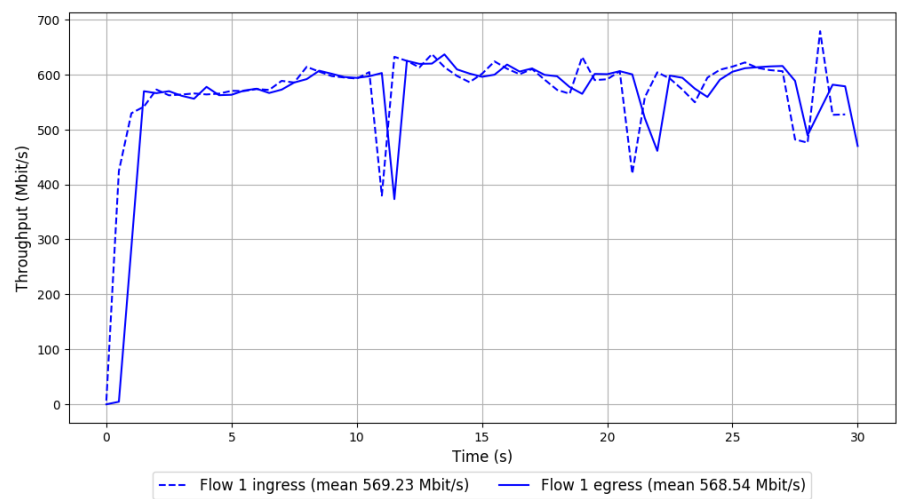


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 14:52:02
End at: 2018-07-20 14:52:32
Local clock offset: -0.018 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 18:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 568.54 Mbit/s
95th percentile per-packet one-way delay: 94.114 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 568.54 Mbit/s
95th percentile per-packet one-way delay: 94.114 ms
Loss rate: 0.45%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 15:13:29

End at: 2018-07-20 15:13:59

Local clock offset: -0.081 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 18:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.54 Mbit/s

95th percentile per-packet one-way delay: 91.443 ms

Loss rate: 0.47%

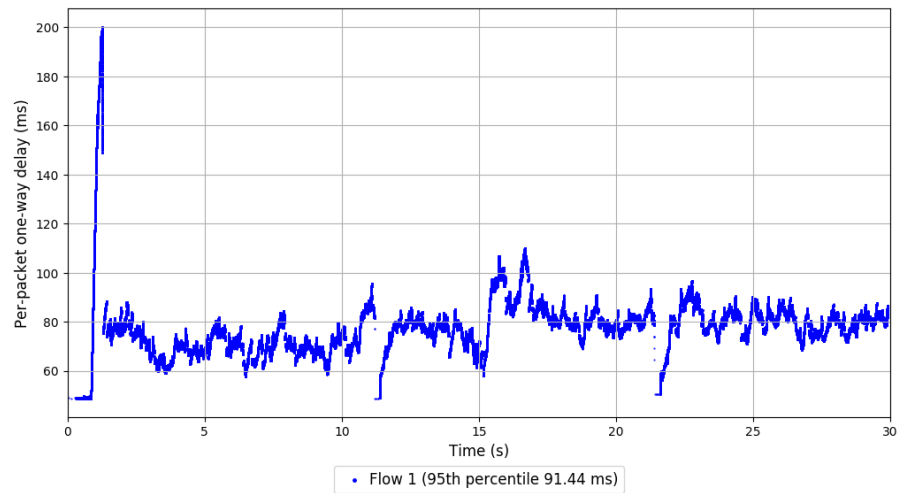
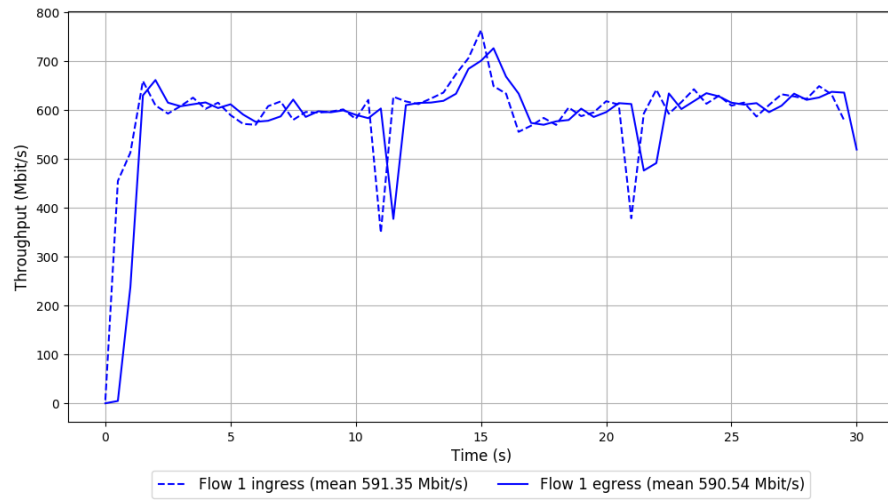
-- Flow 1:

Average throughput: 590.54 Mbit/s

95th percentile per-packet one-way delay: 91.443 ms

Loss rate: 0.47%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 15:35:01

End at: 2018-07-20 15:35:31

Local clock offset: 0.002 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-20 18:41:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 615.58 Mbit/s

95th percentile per-packet one-way delay: 99.565 ms

Loss rate: 0.48%

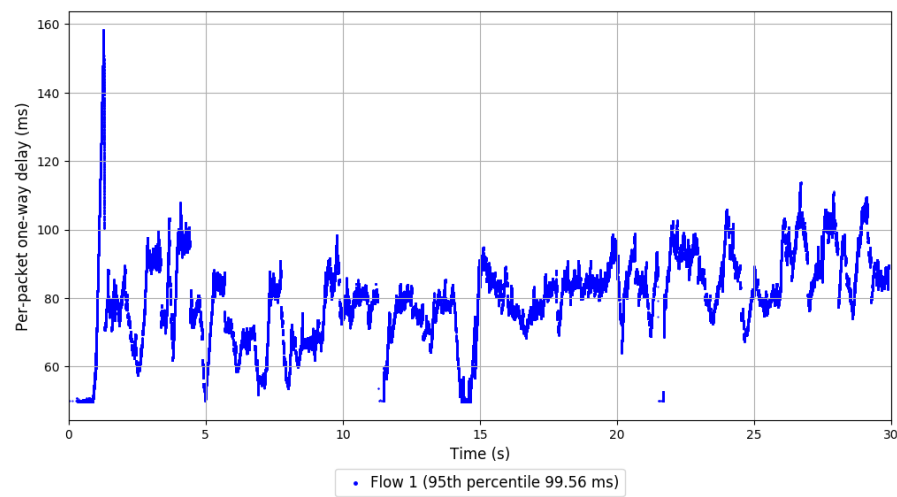
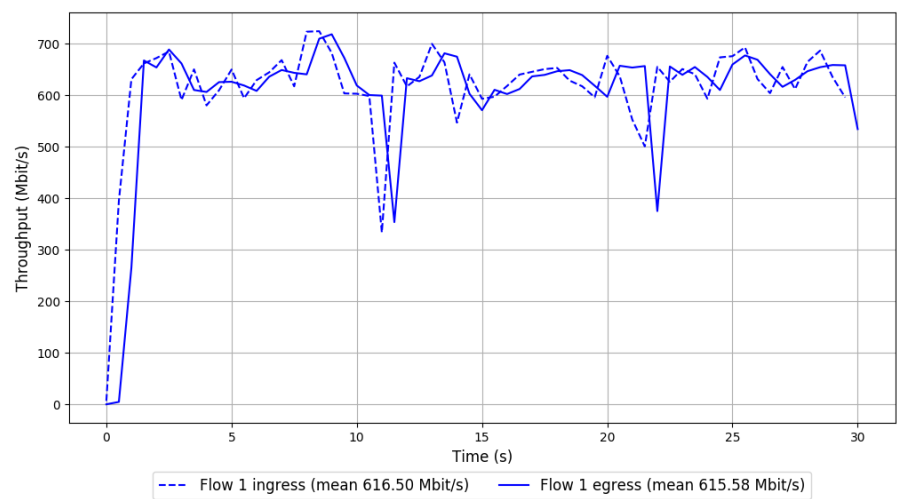
-- Flow 1:

Average throughput: 615.58 Mbit/s

95th percentile per-packet one-way delay: 99.565 ms

Loss rate: 0.48%

Run 4: Report of FillP-Sheep — Data Link

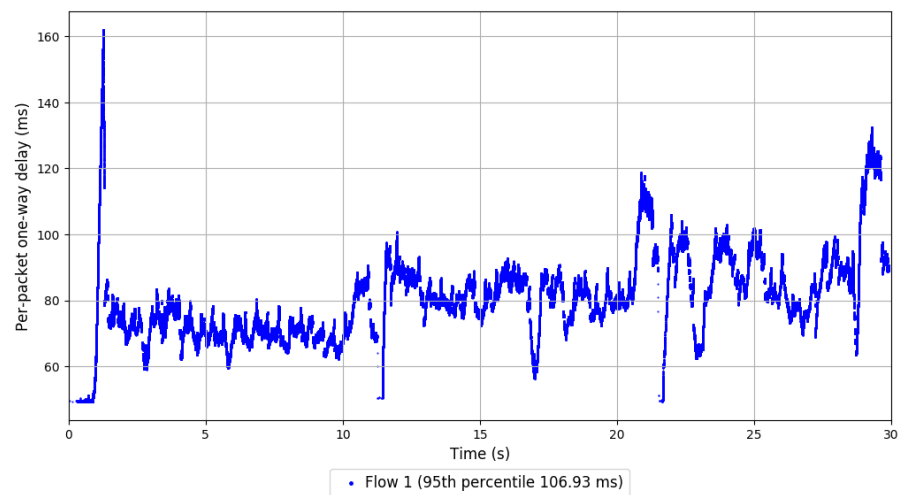
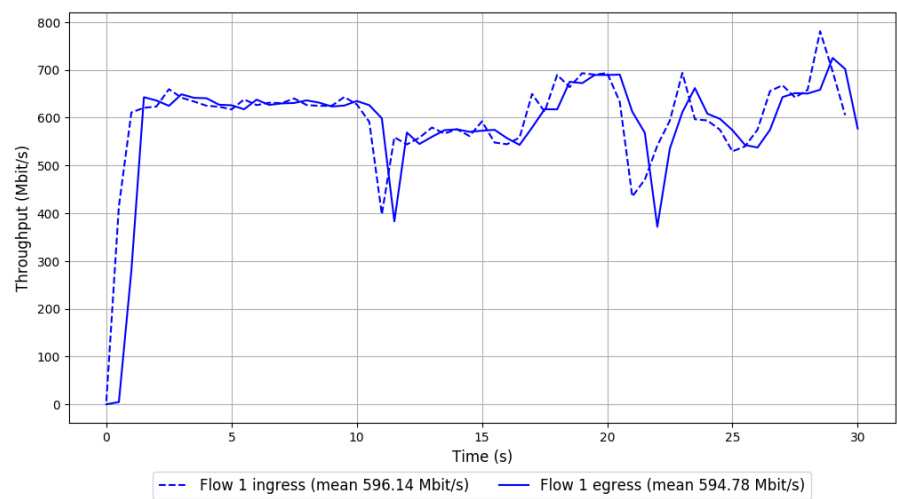


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 15:56:32
End at: 2018-07-20 15:57:03
Local clock offset: -0.432 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 18:41:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 594.78 Mbit/s
95th percentile per-packet one-way delay: 106.928 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 594.78 Mbit/s
95th percentile per-packet one-way delay: 106.928 ms
Loss rate: 0.54%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 16:17:47

End at: 2018-07-20 16:18:17

Local clock offset: -0.052 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-20 18:42:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 617.28 Mbit/s

95th percentile per-packet one-way delay: 113.092 ms

Loss rate: 0.43%

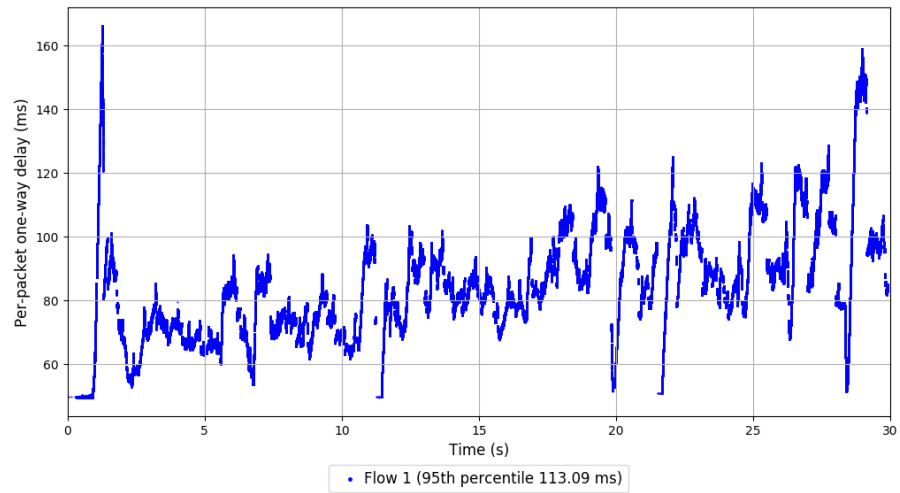
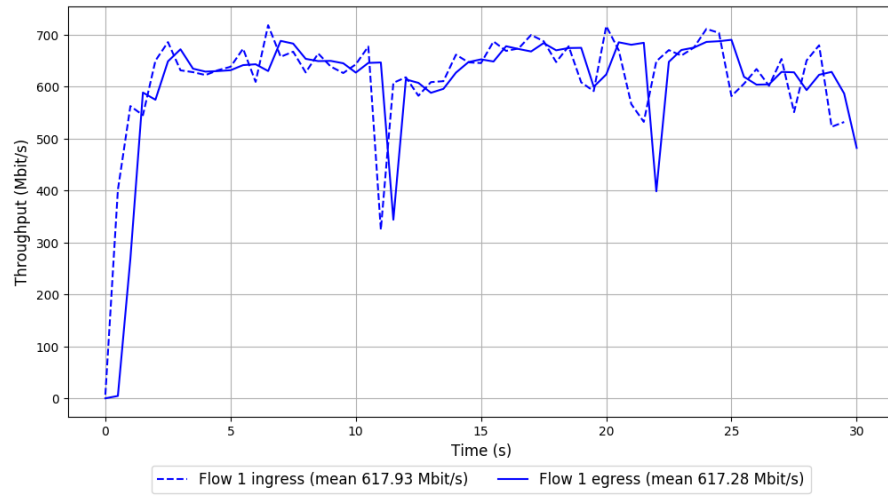
-- Flow 1:

Average throughput: 617.28 Mbit/s

95th percentile per-packet one-way delay: 113.092 ms

Loss rate: 0.43%

Run 6: Report of FillP-Sheep — Data Link

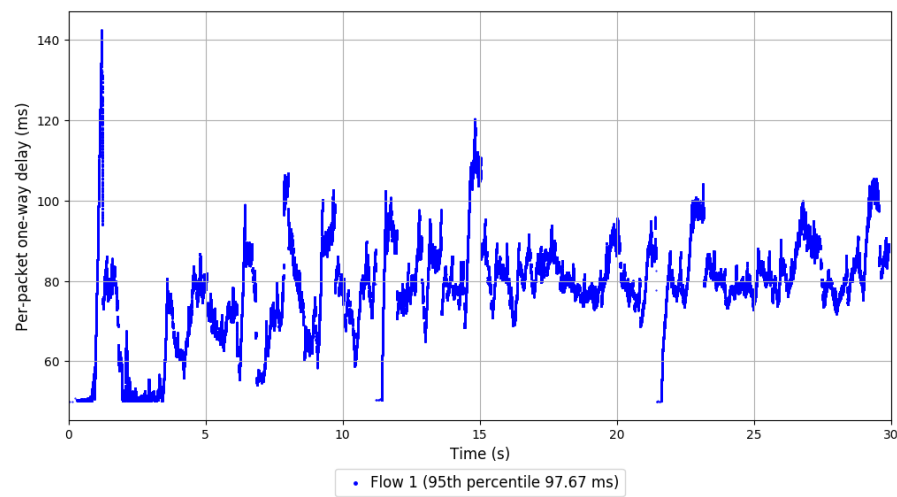
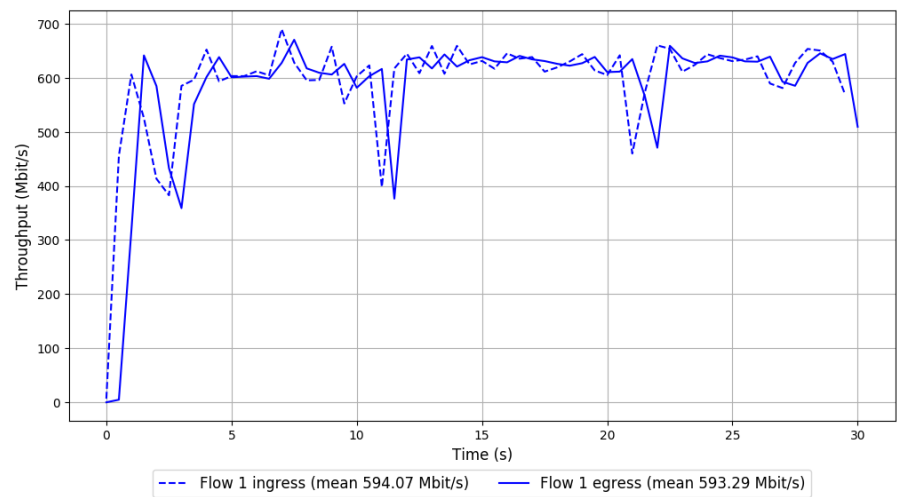


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 16:39:15
End at: 2018-07-20 16:39:45
Local clock offset: -0.047 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-20 18:46:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 593.29 Mbit/s
95th percentile per-packet one-way delay: 97.665 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 593.29 Mbit/s
95th percentile per-packet one-way delay: 97.665 ms
Loss rate: 0.47%

Run 7: Report of FillP-Sheep — Data Link

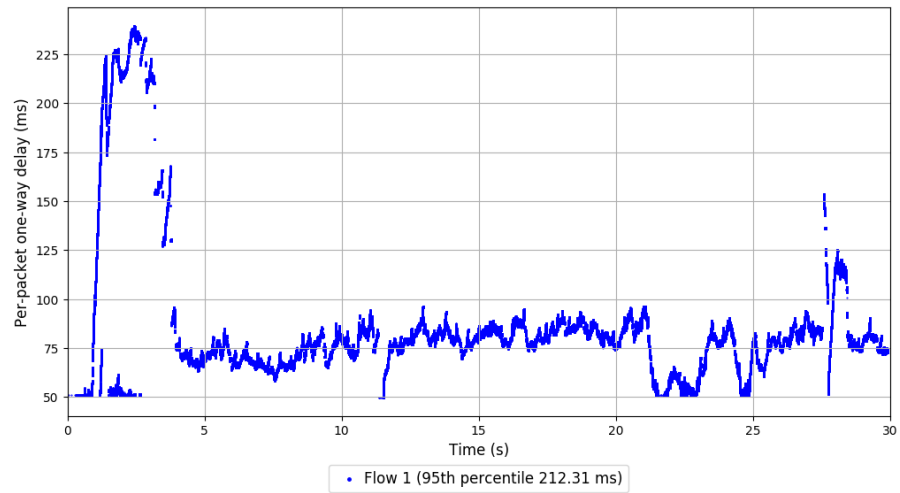
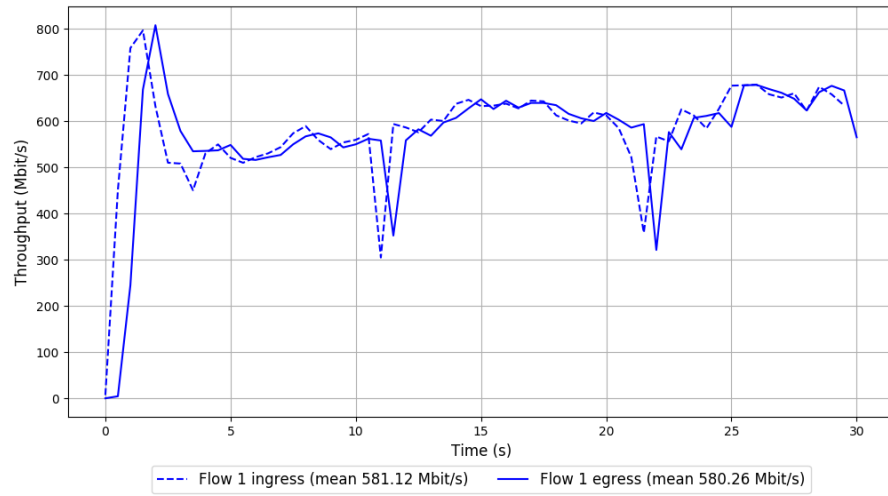


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 17:00:39
End at: 2018-07-20 17:01:09
Local clock offset: -0.144 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-20 18:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.26 Mbit/s
95th percentile per-packet one-way delay: 212.308 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 580.26 Mbit/s
95th percentile per-packet one-way delay: 212.308 ms
Loss rate: 0.48%

Run 8: Report of FillP-Sheep — Data Link

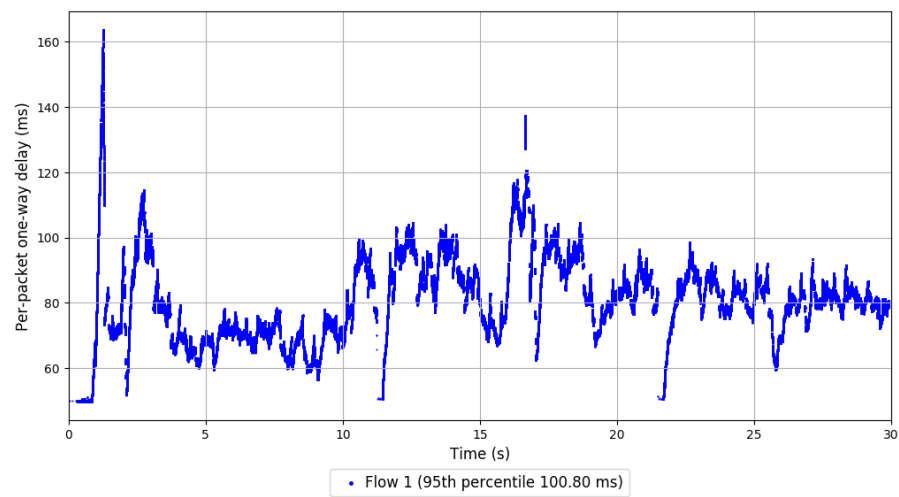
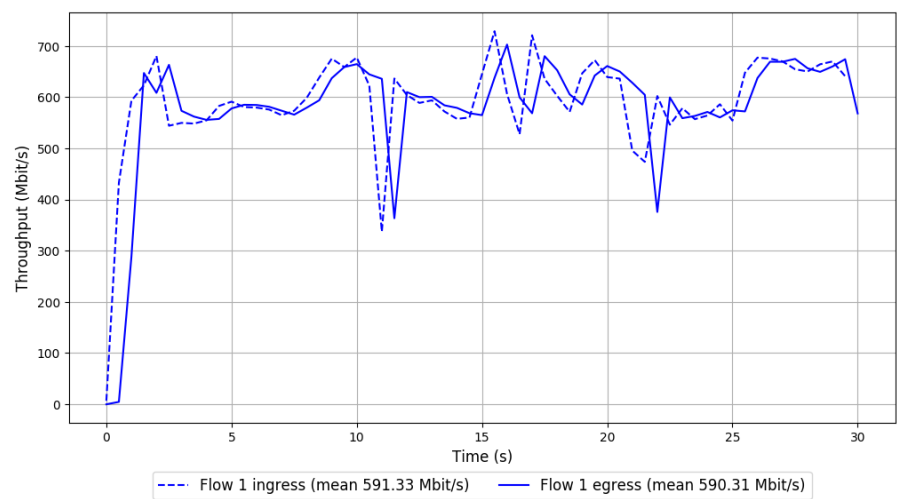


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 17:22:07
End at: 2018-07-20 17:22:37
Local clock offset: -0.149 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 18:51:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 590.31 Mbit/s
95th percentile per-packet one-way delay: 100.798 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 590.31 Mbit/s
95th percentile per-packet one-way delay: 100.798 ms
Loss rate: 0.50%

Run 9: Report of FillP-Sheep — Data Link

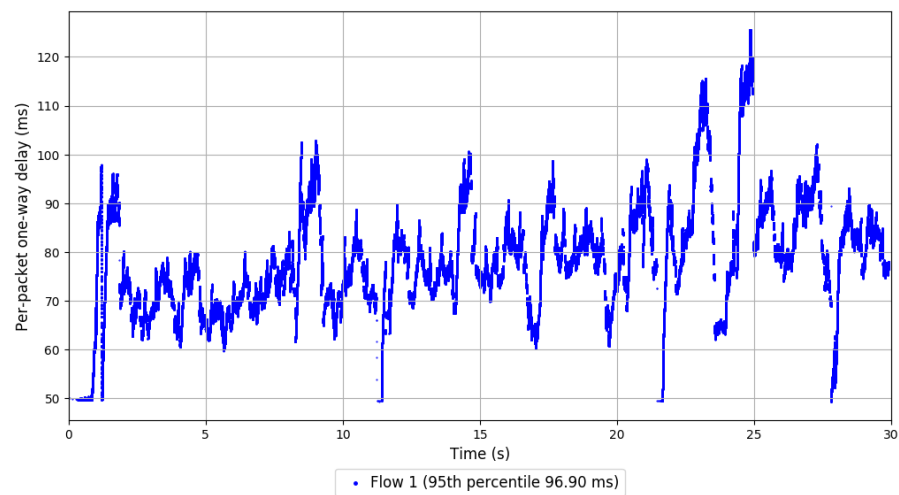
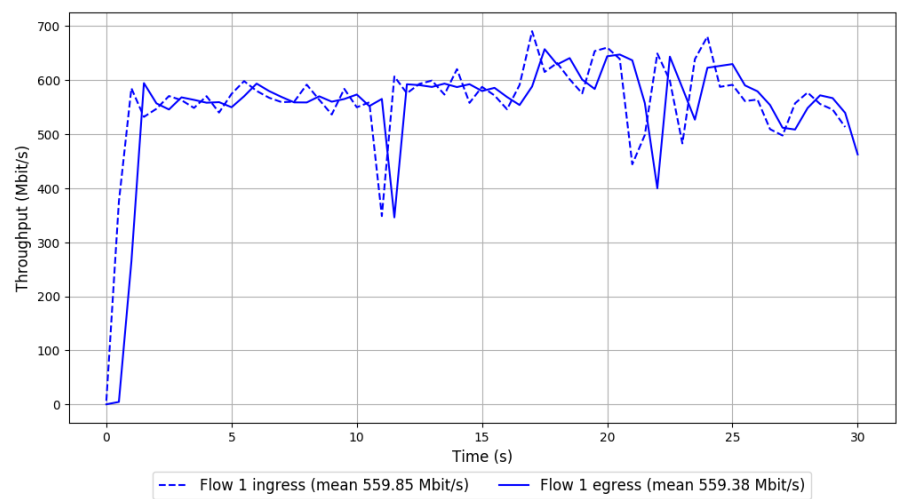


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 17:43:37
End at: 2018-07-20 17:44:07
Local clock offset: -0.48 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.38 Mbit/s
95th percentile per-packet one-way delay: 96.903 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 559.38 Mbit/s
95th percentile per-packet one-way delay: 96.903 ms
Loss rate: 0.42%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

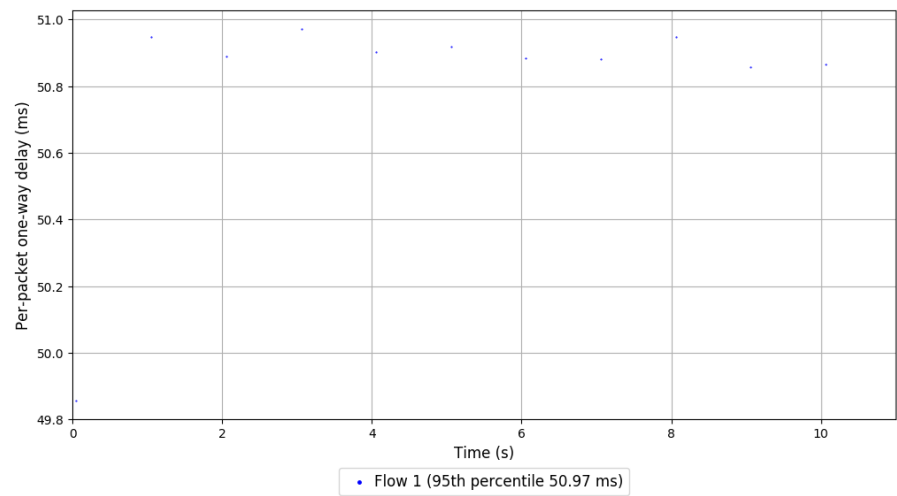
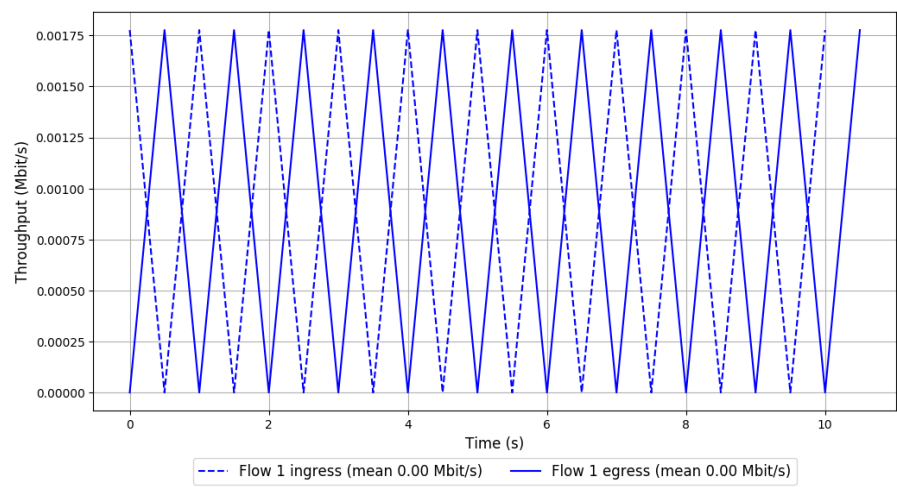
Start at: 2018-07-20 14:37:03

End at: 2018-07-20 14:37:33

Local clock offset: -0.23 ms

Remote clock offset: -0.034 ms

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-20 14:58:31

End at: 2018-07-20 14:59:01

Local clock offset: 0.362 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.54 Mbit/s

95th percentile per-packet one-way delay: 52.315 ms

Loss rate: 0.38%

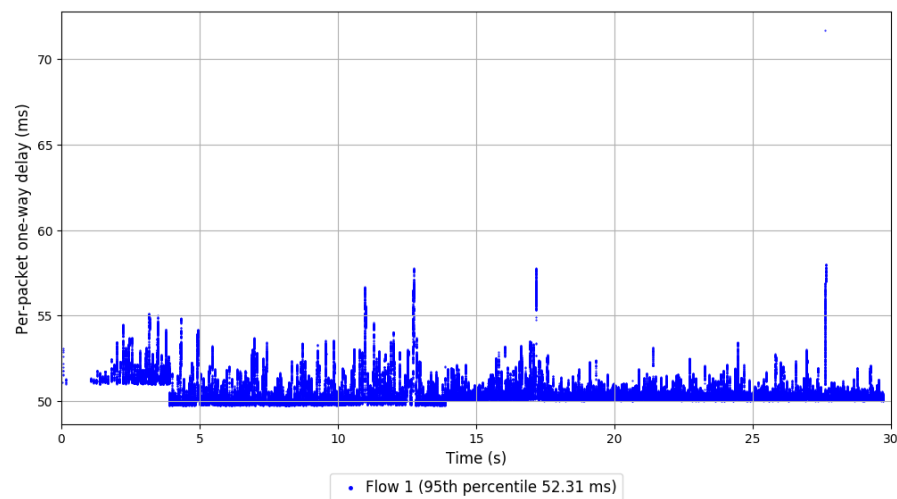
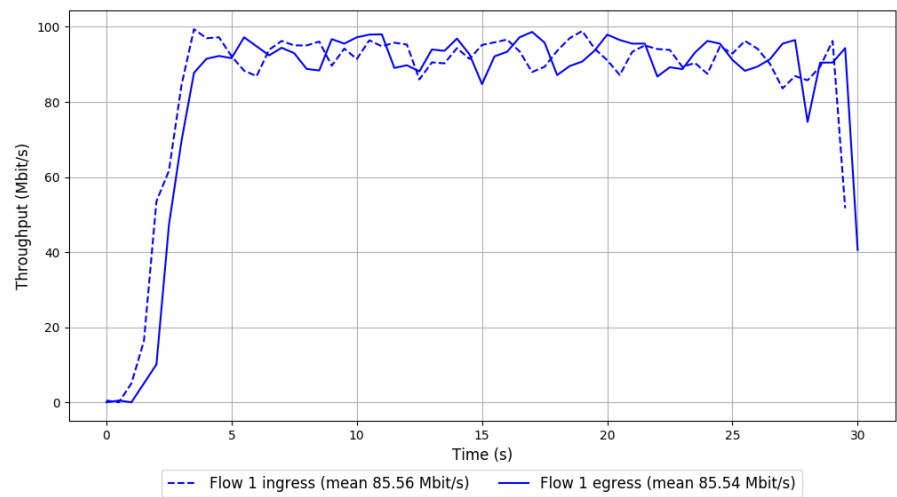
-- Flow 1:

Average throughput: 85.54 Mbit/s

95th percentile per-packet one-way delay: 52.315 ms

Loss rate: 0.38%

Run 2: Report of Indigo — Data Link

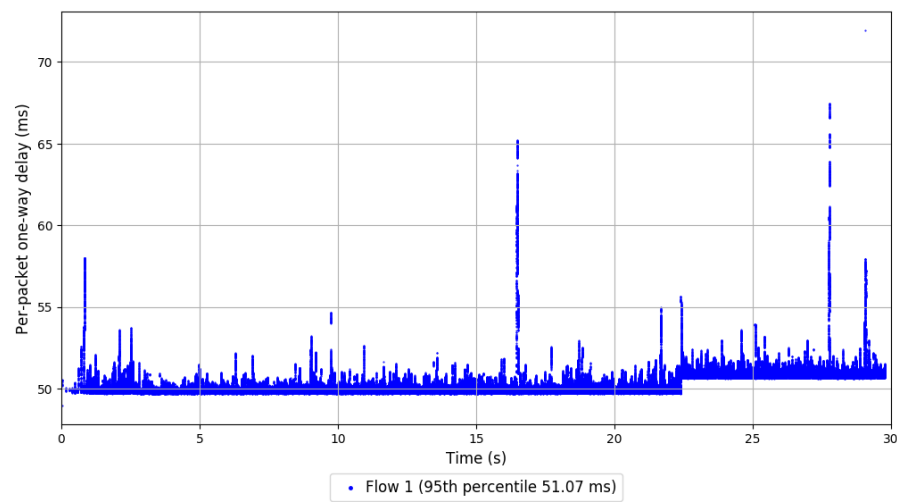
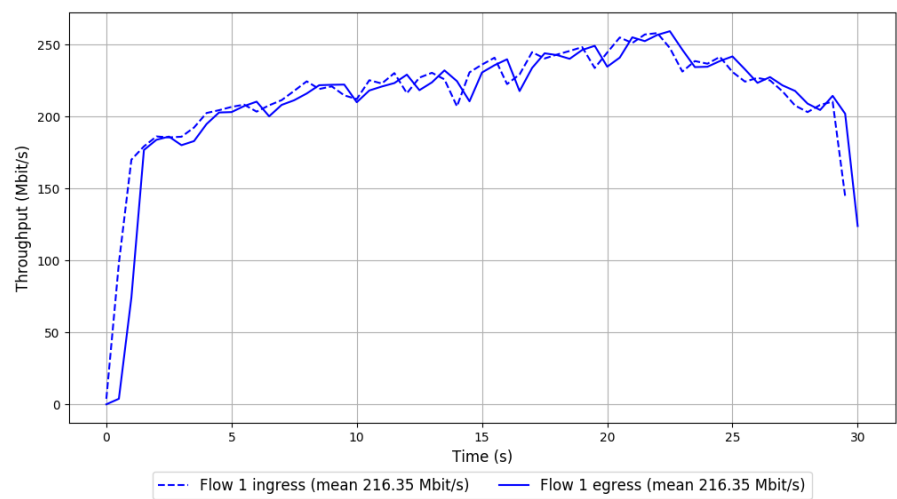


Run 3: Statistics of Indigo

Start at: 2018-07-20 15:19:43
End at: 2018-07-20 15:20:13
Local clock offset: -0.077 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.35 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 216.35 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.35%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-20 15:41:22

End at: 2018-07-20 15:41:52

Local clock offset: -0.06 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.26 Mbit/s

95th percentile per-packet one-way delay: 51.298 ms

Loss rate: 0.37%

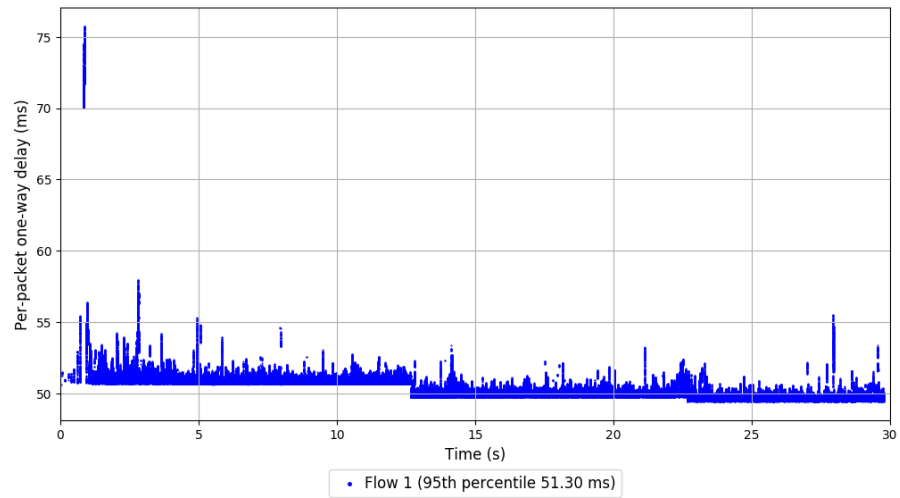
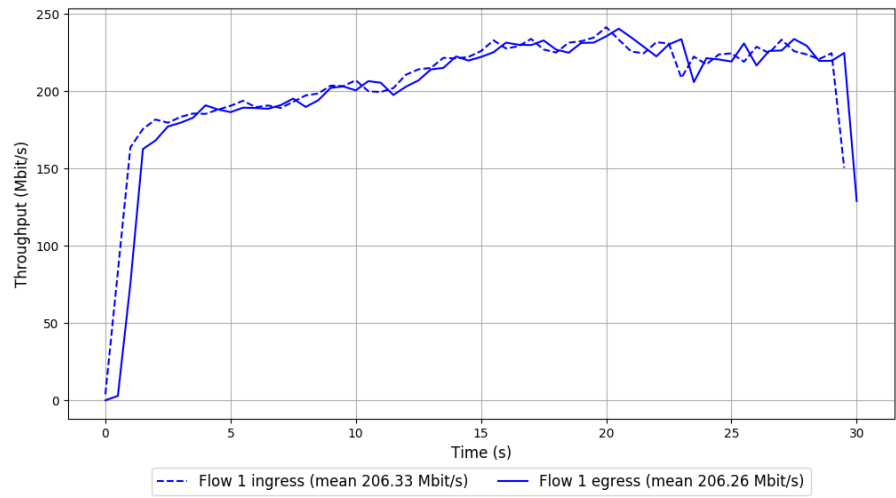
-- Flow 1:

Average throughput: 206.26 Mbit/s

95th percentile per-packet one-way delay: 51.298 ms

Loss rate: 0.37%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-20 16:02:42

End at: 2018-07-20 16:03:12

Local clock offset: -0.38 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.18 Mbit/s

95th percentile per-packet one-way delay: 52.015 ms

Loss rate: 0.34%

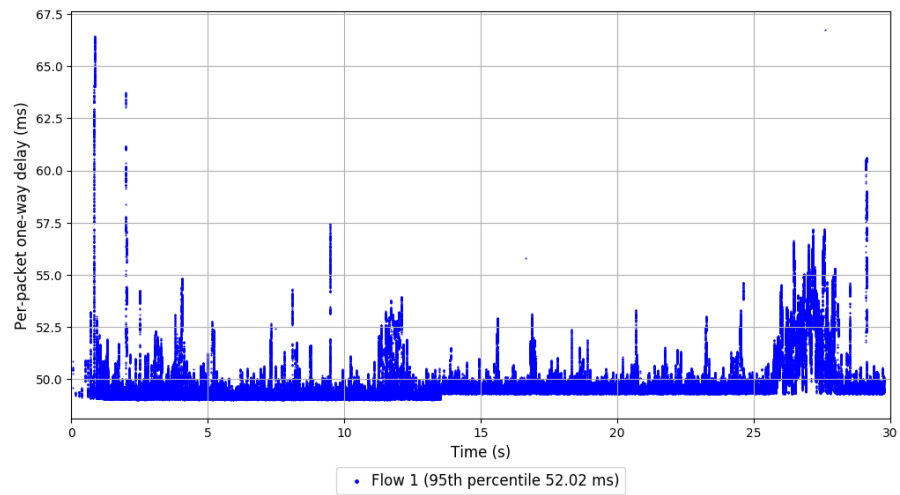
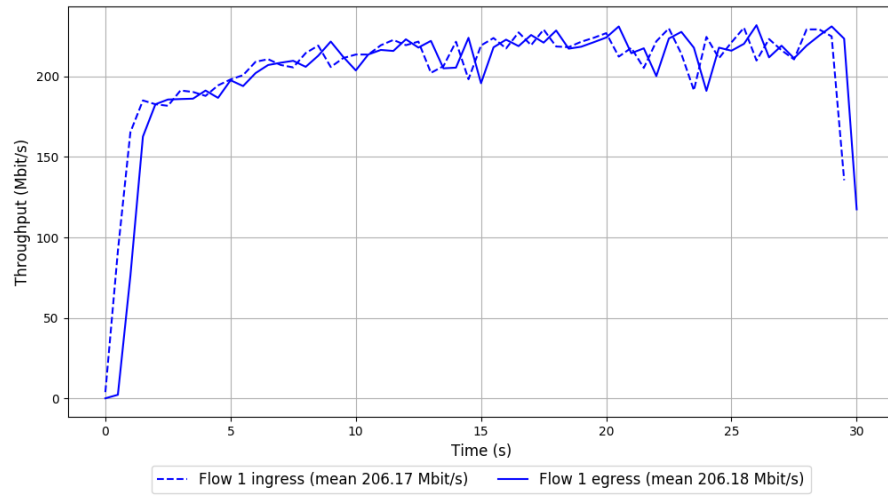
-- Flow 1:

Average throughput: 206.18 Mbit/s

95th percentile per-packet one-way delay: 52.015 ms

Loss rate: 0.34%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-20 16:24:09

End at: 2018-07-20 16:24:39

Local clock offset: -0.405 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.63 Mbit/s

95th percentile per-packet one-way delay: 50.632 ms

Loss rate: 0.38%

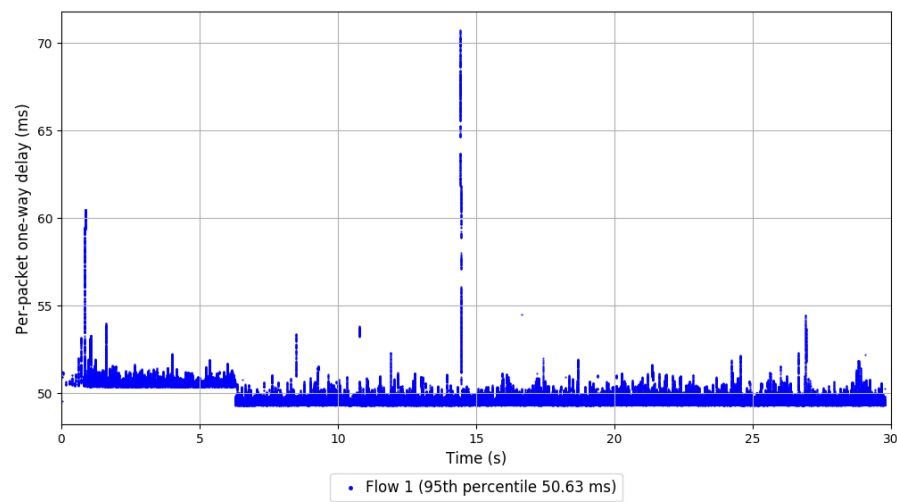
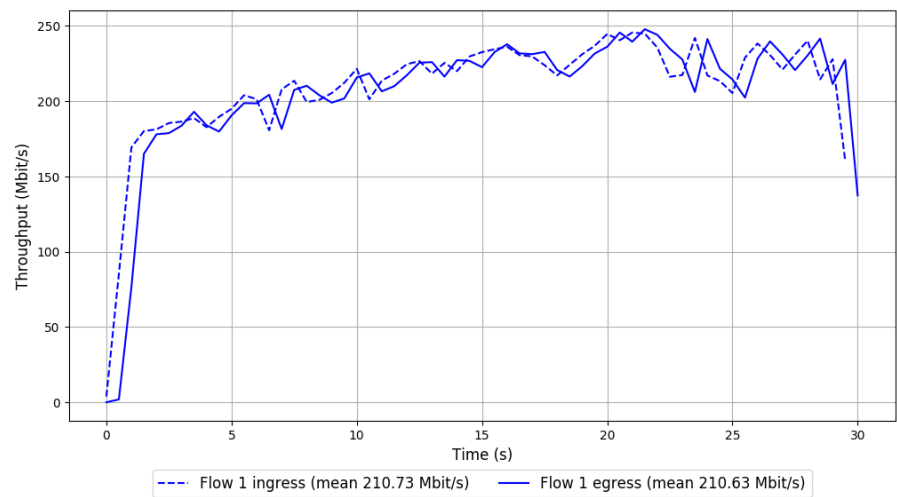
-- Flow 1:

Average throughput: 210.63 Mbit/s

95th percentile per-packet one-way delay: 50.632 ms

Loss rate: 0.38%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-20 16:45:38

End at: 2018-07-20 16:46:08

Local clock offset: -0.137 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.14 Mbit/s

95th percentile per-packet one-way delay: 51.008 ms

Loss rate: 0.39%

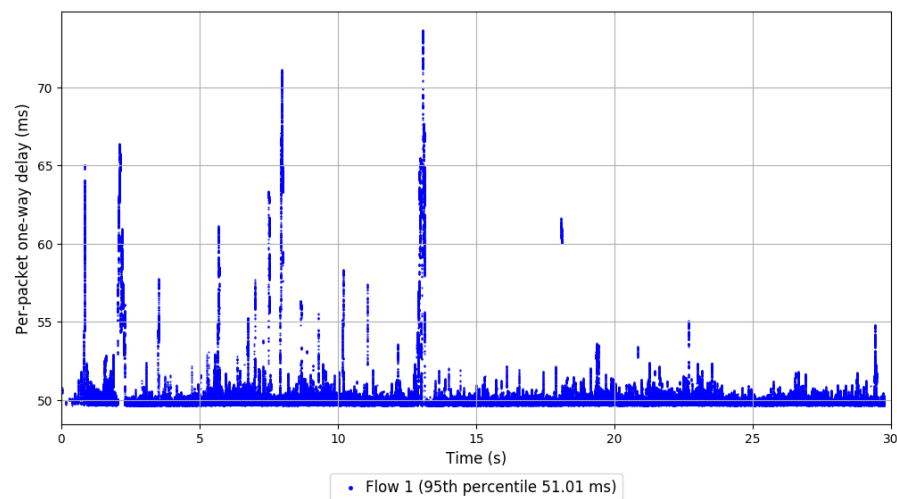
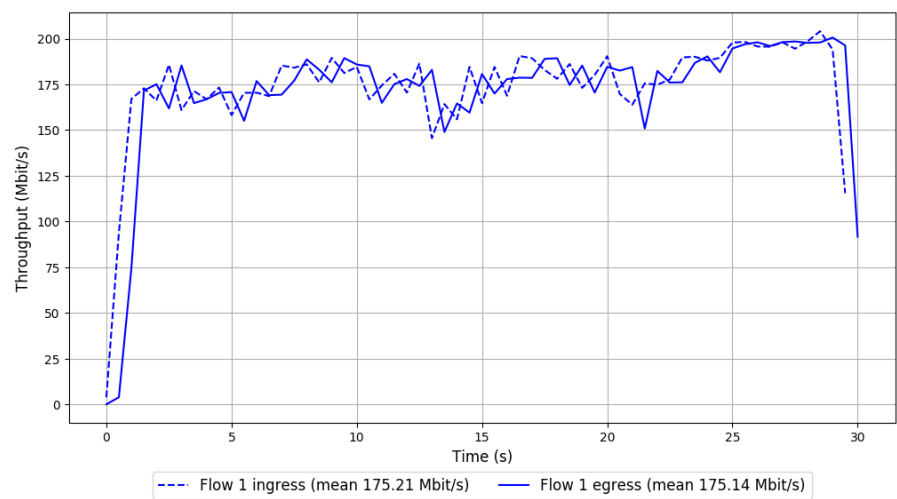
-- Flow 1:

Average throughput: 175.14 Mbit/s

95th percentile per-packet one-way delay: 51.008 ms

Loss rate: 0.39%

Run 7: Report of Indigo — Data Link

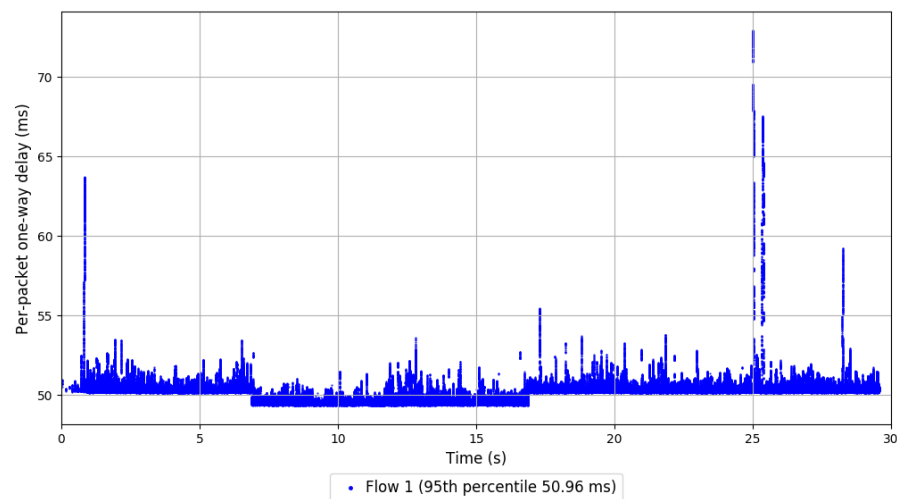
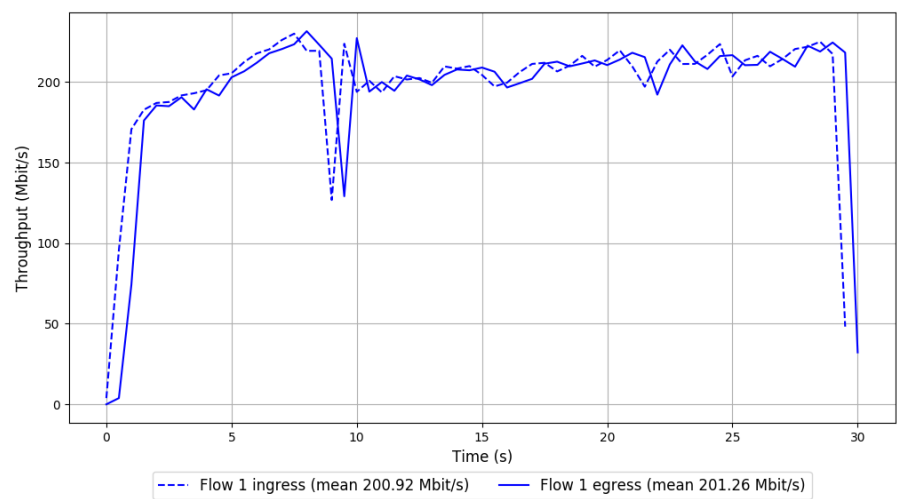


Run 8: Statistics of Indigo

Start at: 2018-07-20 17:06:58
End at: 2018-07-20 17:07:28
Local clock offset: -0.528 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.26 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 201.26 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.33%

Run 8: Report of Indigo — Data Link

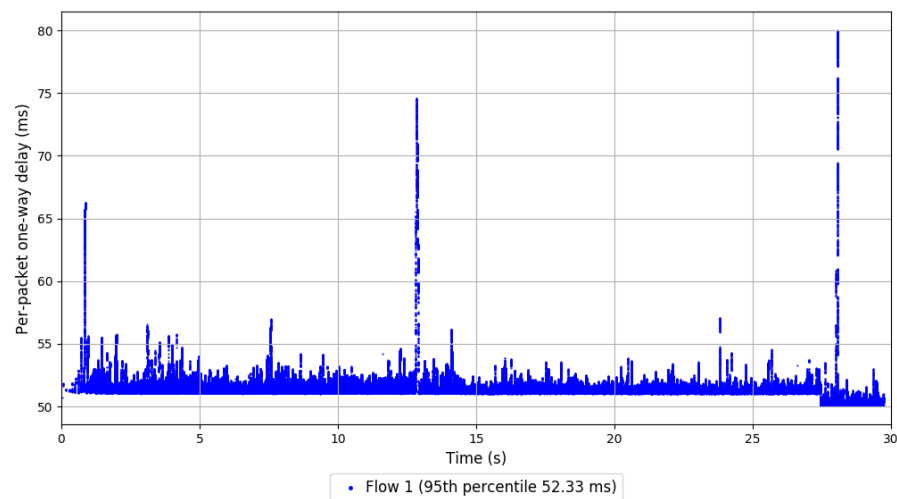
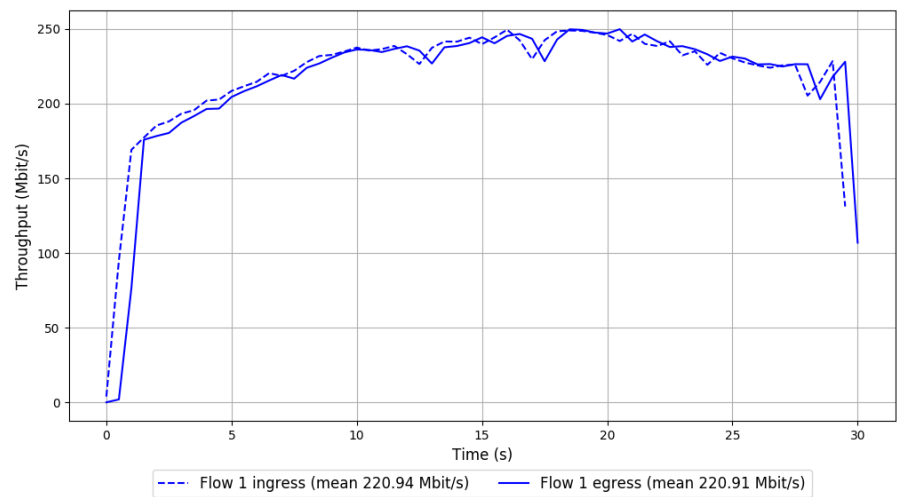


Run 9: Statistics of Indigo

Start at: 2018-07-20 17:28:28
End at: 2018-07-20 17:28:58
Local clock offset: 0.226 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.91 Mbit/s
95th percentile per-packet one-way delay: 52.333 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 220.91 Mbit/s
95th percentile per-packet one-way delay: 52.333 ms
Loss rate: 0.35%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-20 17:49:59

End at: 2018-07-20 17:50:29

Local clock offset: -0.112 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.70 Mbit/s

95th percentile per-packet one-way delay: 51.226 ms

Loss rate: 0.35%

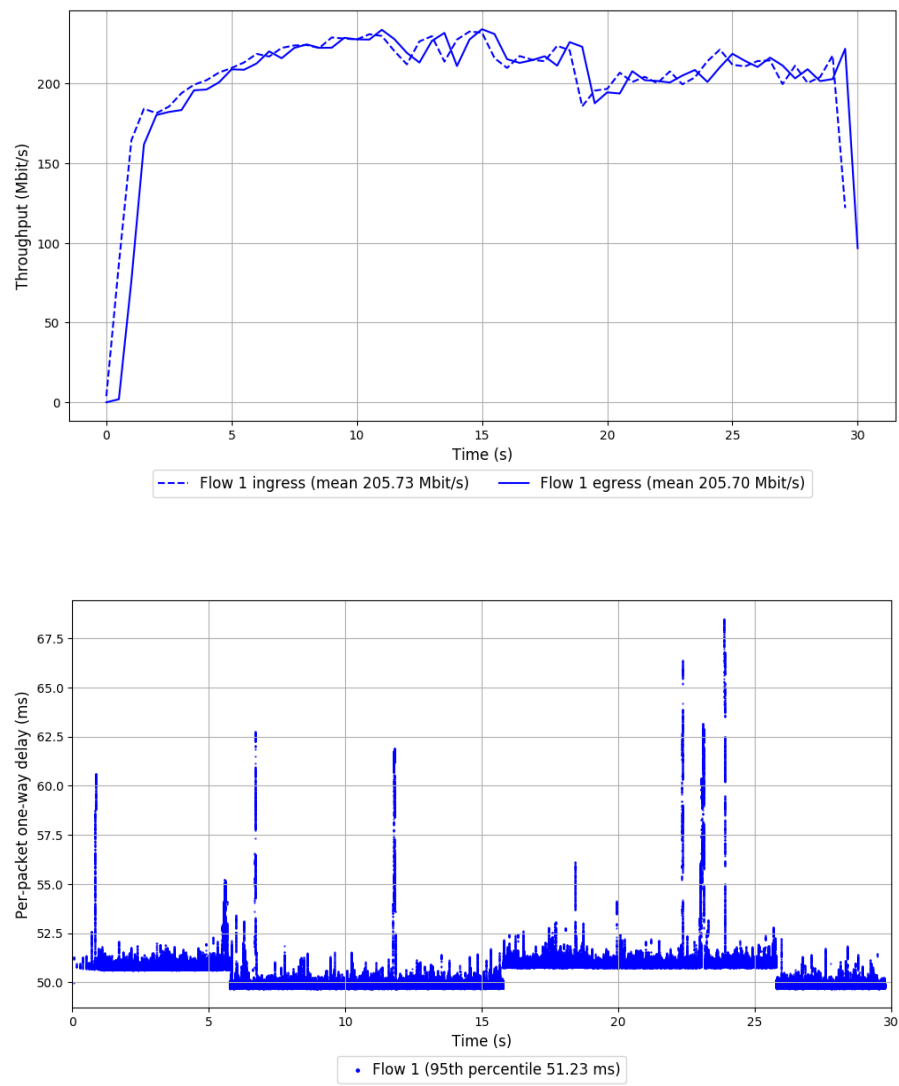
-- Flow 1:

Average throughput: 205.70 Mbit/s

95th percentile per-packet one-way delay: 51.226 ms

Loss rate: 0.35%

Run 10: Report of Indigo — Data Link

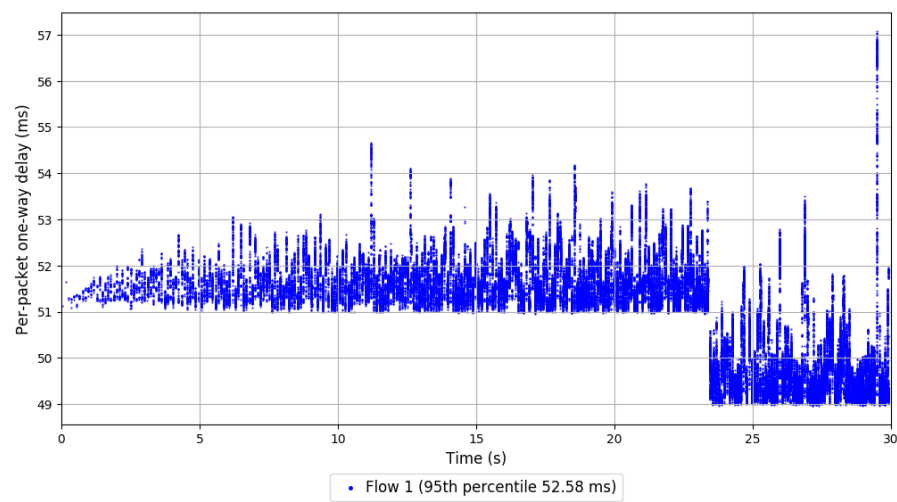
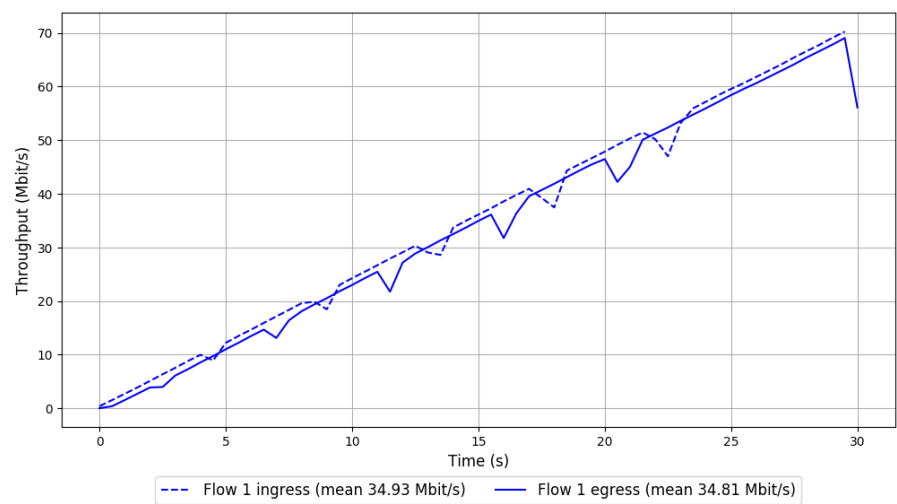


Run 1: Statistics of LEDBAT

Start at: 2018-07-20 14:34:42
End at: 2018-07-20 14:35:12
Local clock offset: 0.124 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 52.576 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 52.576 ms
Loss rate: 0.68%

Run 1: Report of LEDBAT — Data Link

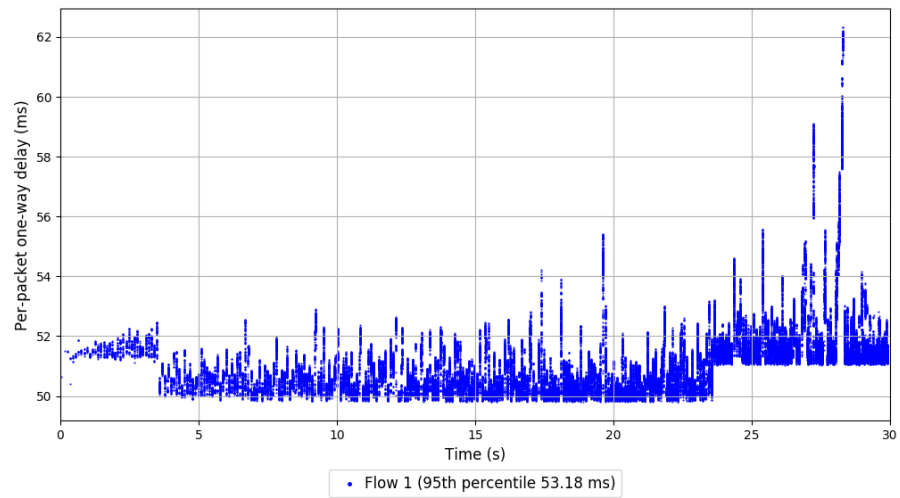
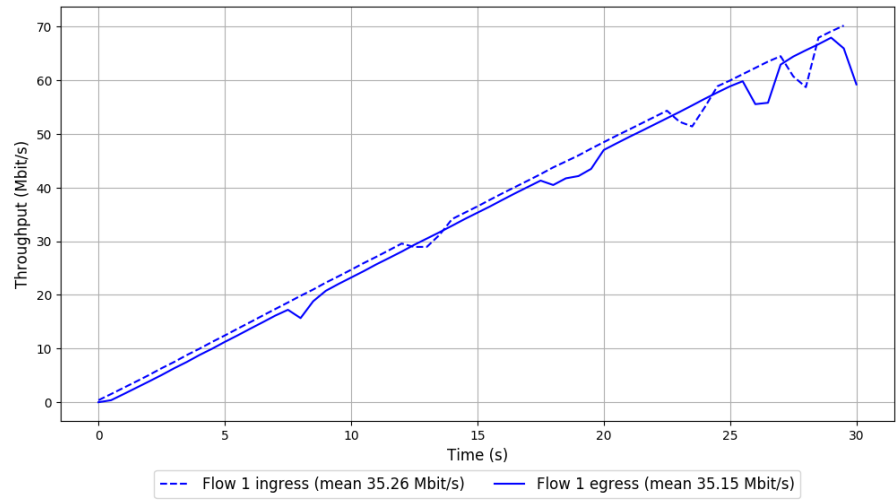


Run 2: Statistics of LEDBAT

Start at: 2018-07-20 14:56:02
End at: 2018-07-20 14:56:32
Local clock offset: 0.375 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 53.179 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 53.179 ms
Loss rate: 0.67%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-20 15:17:22

End at: 2018-07-20 15:17:52

Local clock offset: -0.065 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.96 Mbit/s

95th percentile per-packet one-way delay: 51.442 ms

Loss rate: 0.67%

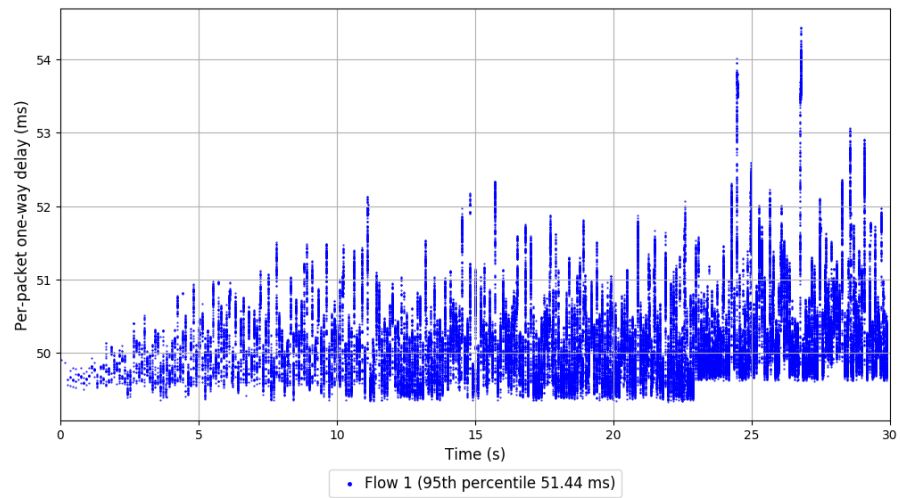
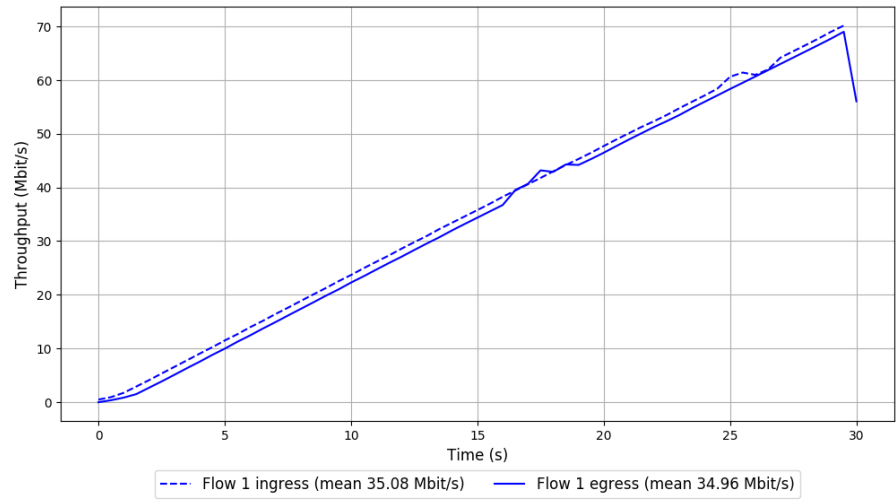
-- Flow 1:

Average throughput: 34.96 Mbit/s

95th percentile per-packet one-way delay: 51.442 ms

Loss rate: 0.67%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-20 15:39:03

End at: 2018-07-20 15:39:33

Local clock offset: 0.282 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 52.236 ms

Loss rate: 0.66%

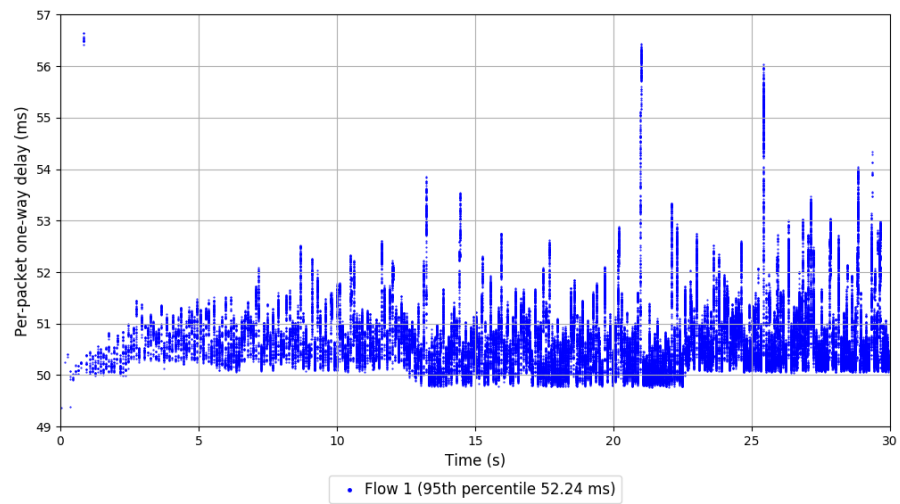
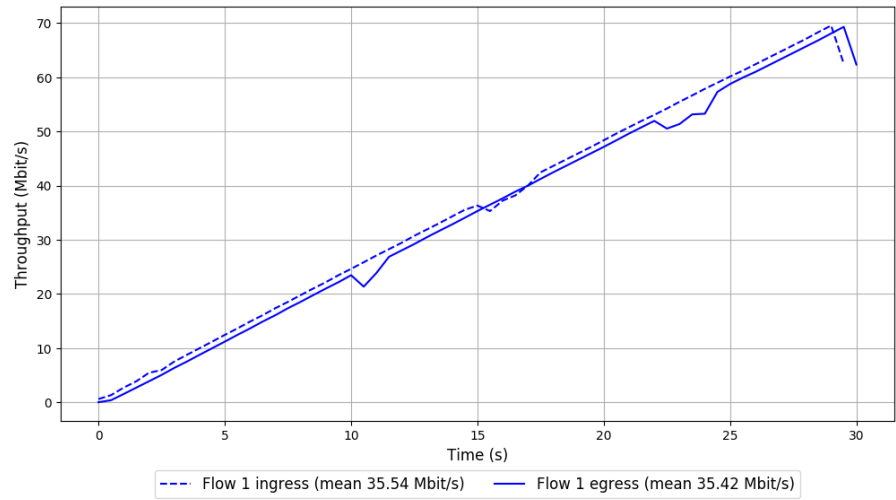
-- Flow 1:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 52.236 ms

Loss rate: 0.66%

Run 4: Report of LEDBAT — Data Link

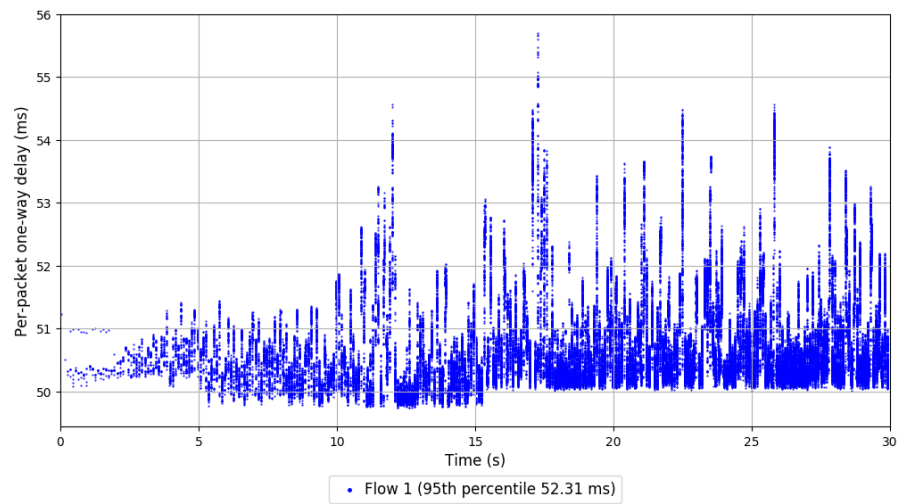
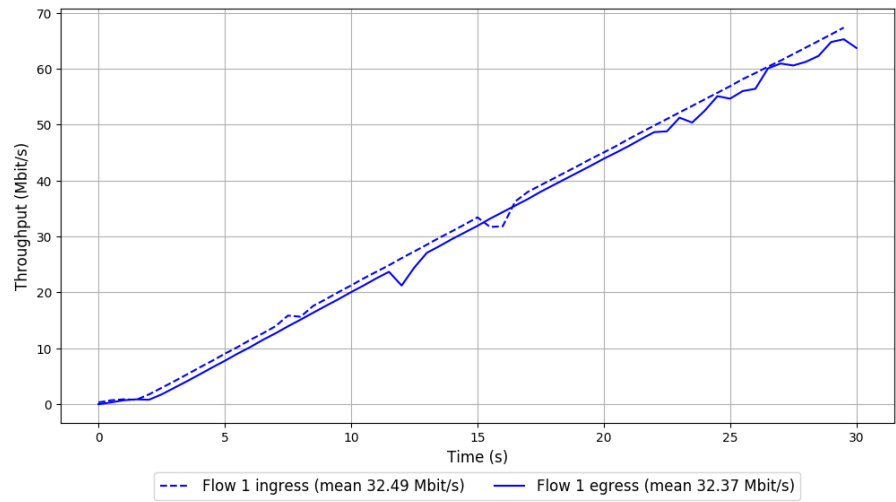


Run 5: Statistics of LEDBAT

Start at: 2018-07-20 16:00:20
End at: 2018-07-20 16:00:50
Local clock offset: 0.296 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 52.315 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 52.315 ms
Loss rate: 0.70%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-20 16:21:50

End at: 2018-07-20 16:22:20

Local clock offset: -0.047 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.71 Mbit/s

95th percentile per-packet one-way delay: 52.484 ms

Loss rate: 0.69%

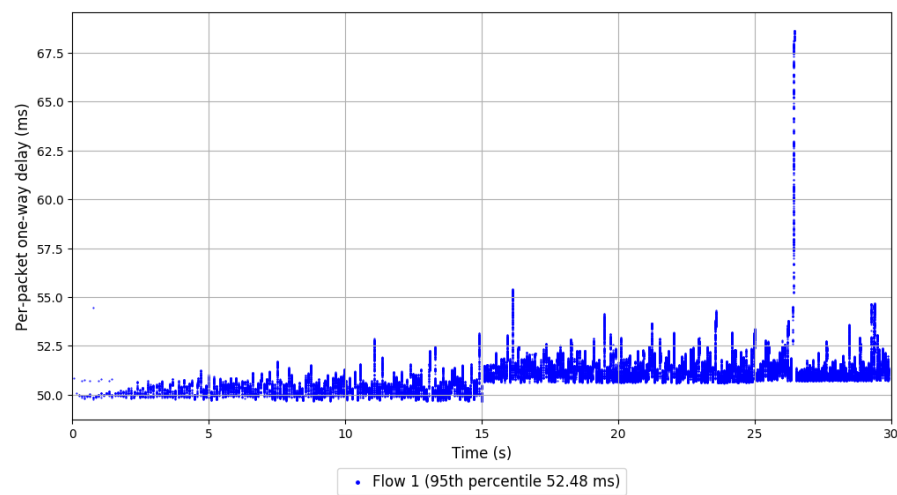
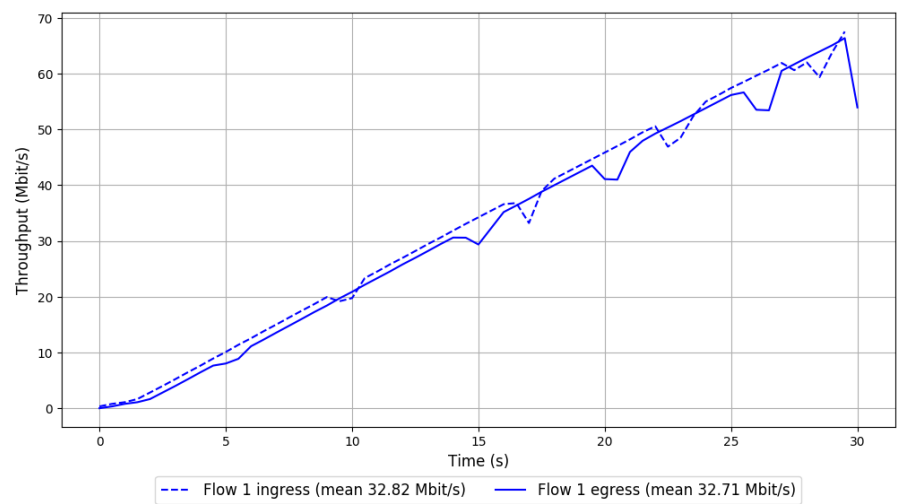
-- Flow 1:

Average throughput: 32.71 Mbit/s

95th percentile per-packet one-way delay: 52.484 ms

Loss rate: 0.69%

Run 6: Report of LEDBAT — Data Link

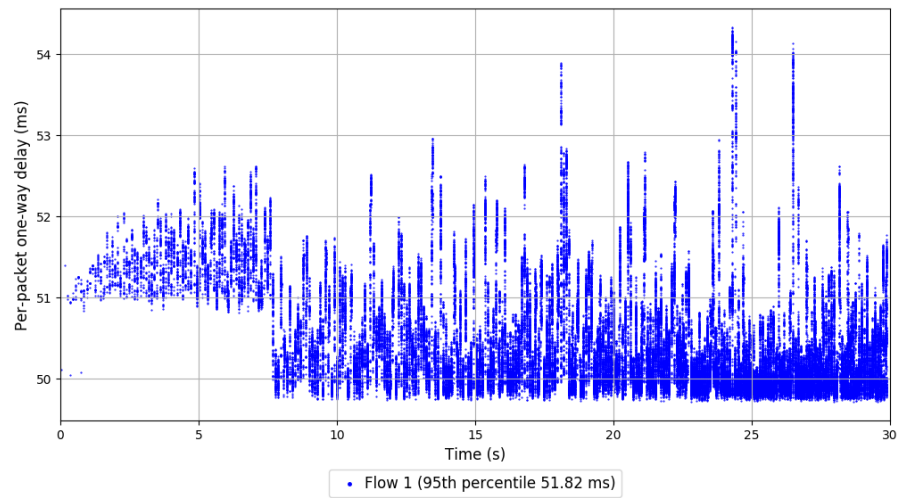
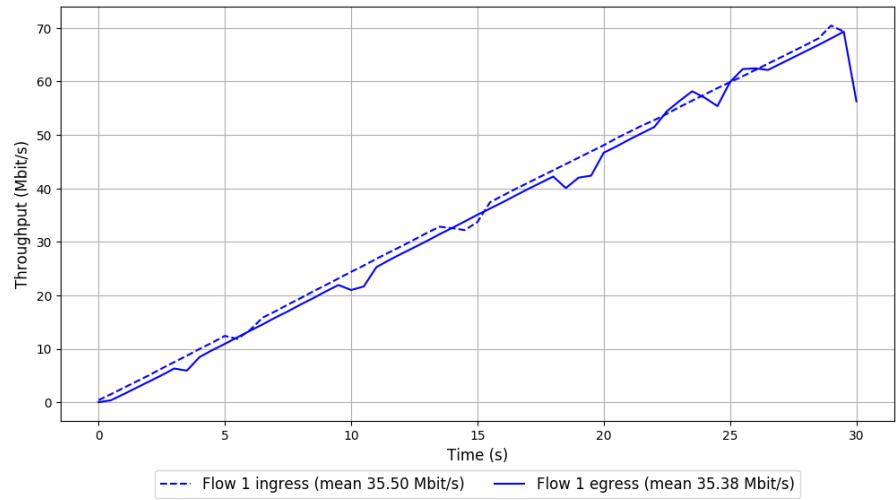


Run 7: Statistics of LEDBAT

Start at: 2018-07-20 16:43:18
End at: 2018-07-20 16:43:48
Local clock offset: -0.075 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 51.822 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 51.822 ms
Loss rate: 0.67%

Run 7: Report of LEDBAT — Data Link

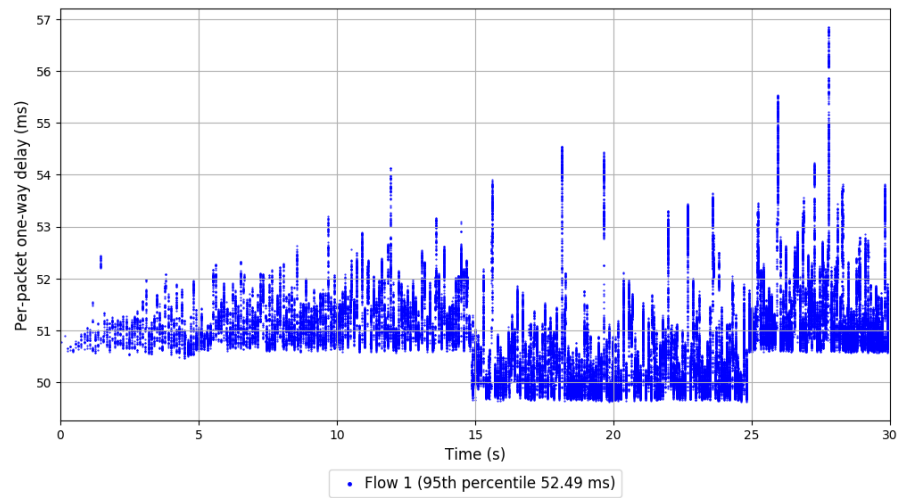
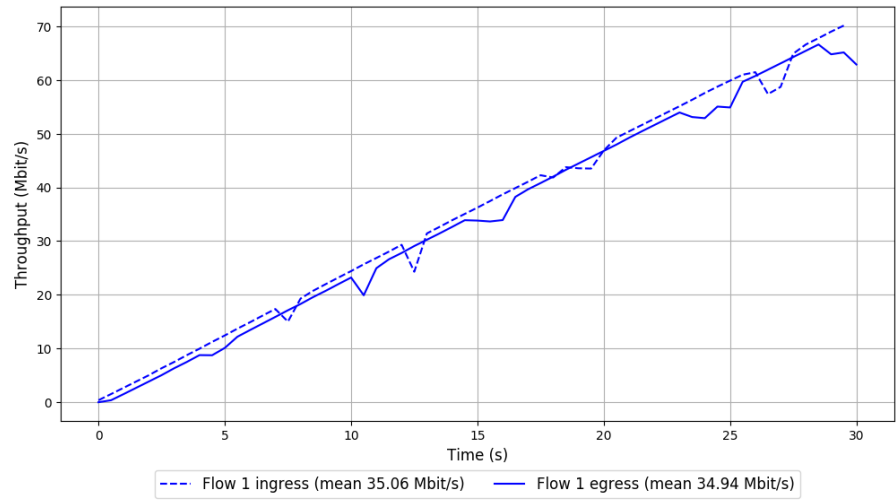


Run 8: Statistics of LEDBAT

Start at: 2018-07-20 17:04:40
End at: 2018-07-20 17:05:10
Local clock offset: -0.234 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 52.488 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 52.488 ms
Loss rate: 0.67%

Run 8: Report of LEDBAT — Data Link

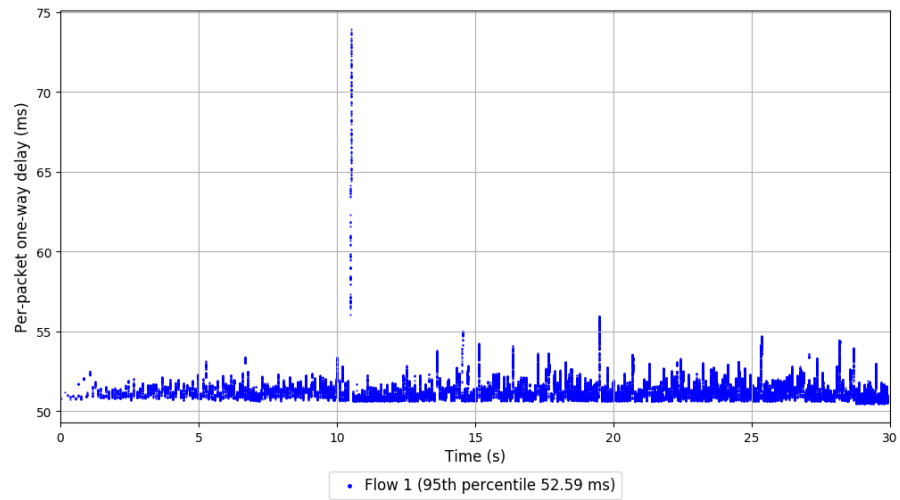
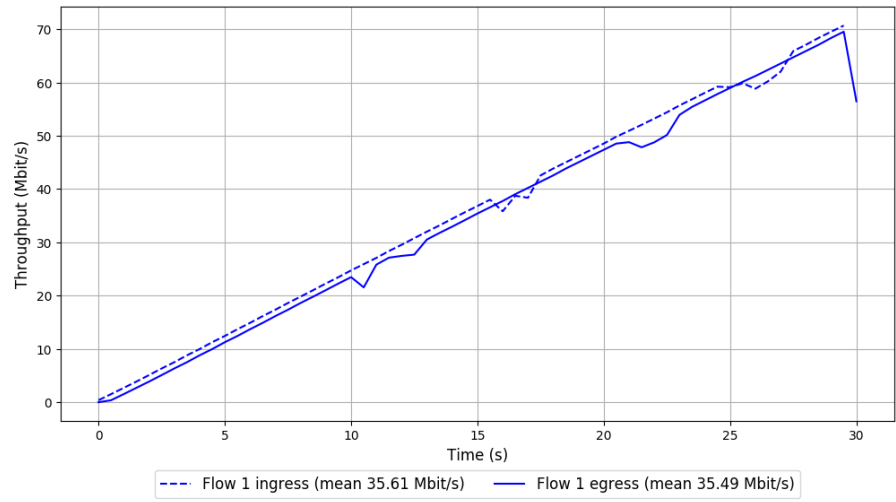


Run 9: Statistics of LEDBAT

Start at: 2018-07-20 17:26:07
End at: 2018-07-20 17:26:37
Local clock offset: -0.156 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 18:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 52.594 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 52.594 ms
Loss rate: 0.67%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-20 17:47:38

End at: 2018-07-20 17:48:08

Local clock offset: 0.243 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-20 18:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 53.465 ms

Loss rate: 0.66%

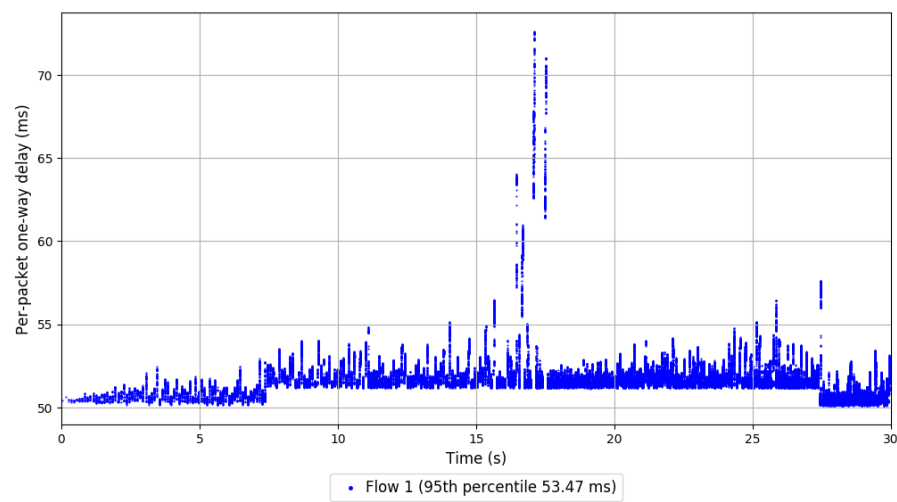
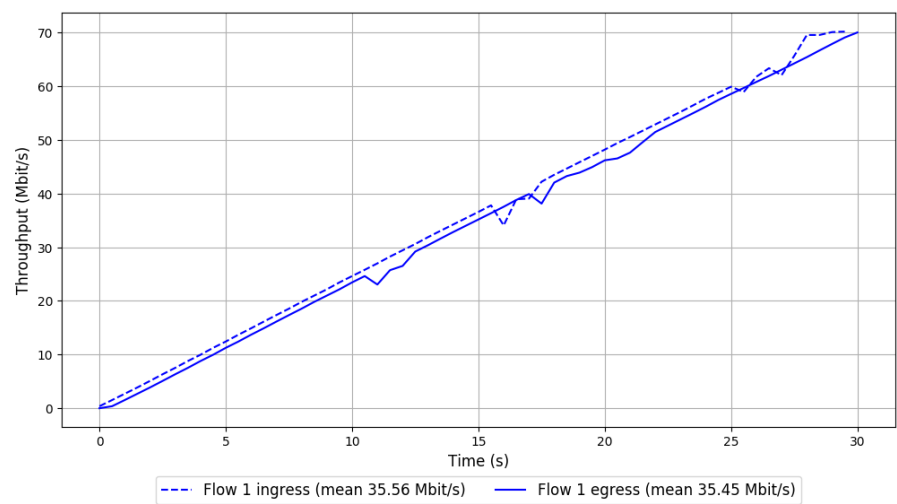
-- Flow 1:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 53.465 ms

Loss rate: 0.66%

Run 10: Report of LEDBAT — Data Link

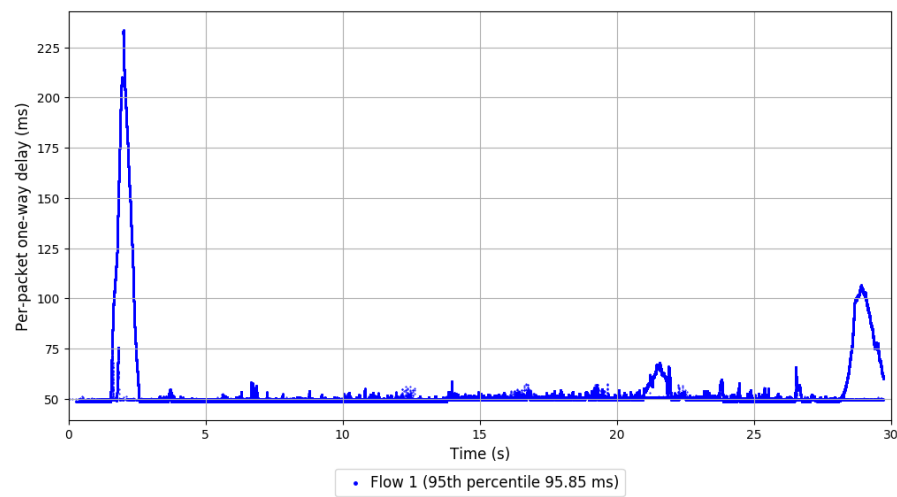
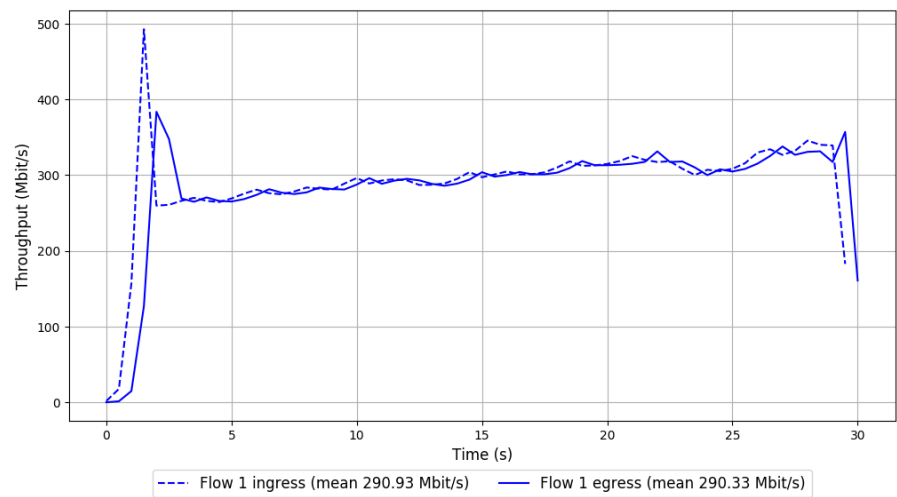


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-20 14:23:21
End at: 2018-07-20 14:23:51
Local clock offset: -0.614 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 18:54:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.33 Mbit/s
95th percentile per-packet one-way delay: 95.853 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 290.33 Mbit/s
95th percentile per-packet one-way delay: 95.853 ms
Loss rate: 0.55%

Run 1: Report of PCC-Allegro — Data Link

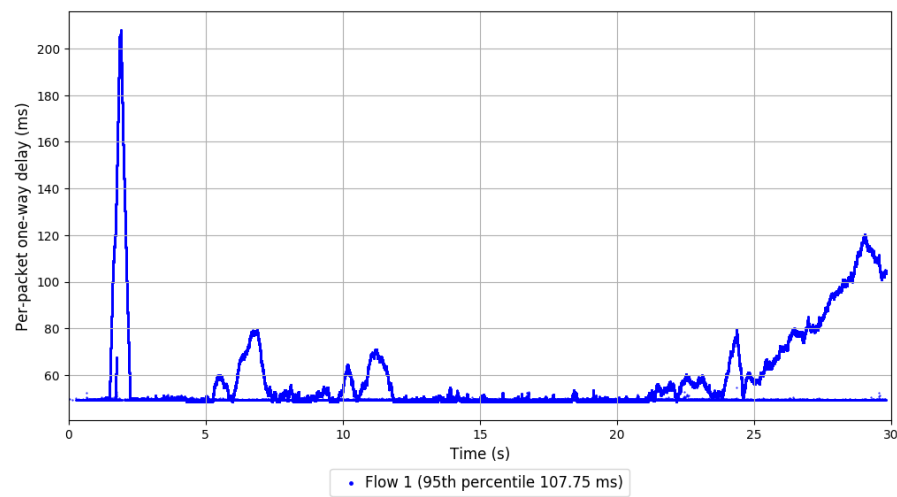
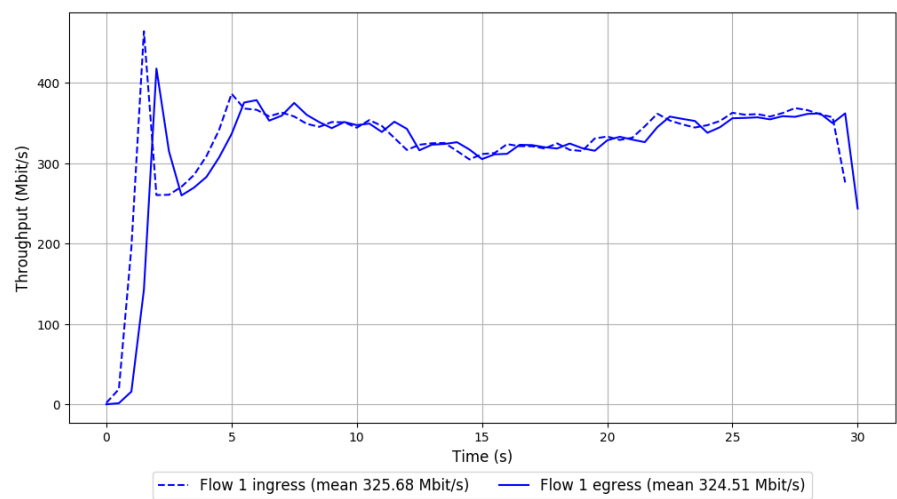


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 14:44:31
End at: 2018-07-20 14:45:01
Local clock offset: -0.121 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-20 18:55:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 324.51 Mbit/s
95th percentile per-packet one-way delay: 107.755 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 324.51 Mbit/s
95th percentile per-packet one-way delay: 107.755 ms
Loss rate: 0.69%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 15:06:08

End at: 2018-07-20 15:06:38

Local clock offset: -0.064 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-20 18:55:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.26 Mbit/s

95th percentile per-packet one-way delay: 67.113 ms

Loss rate: 0.51%

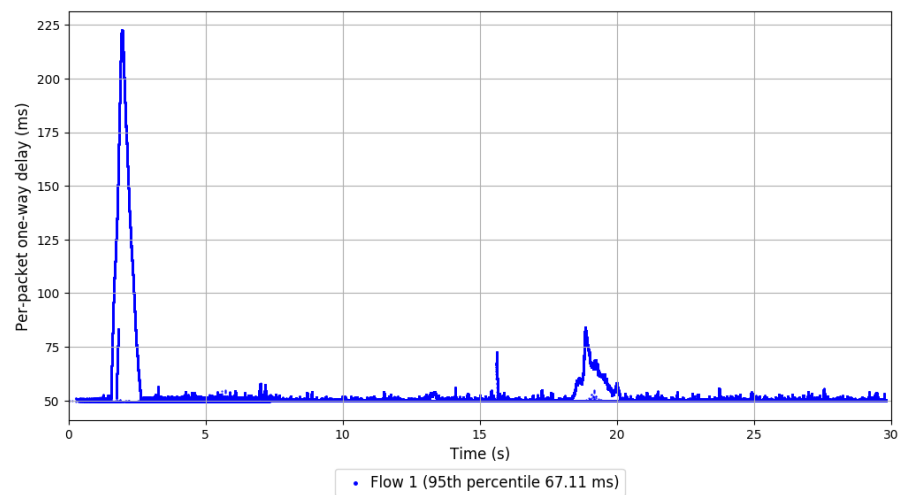
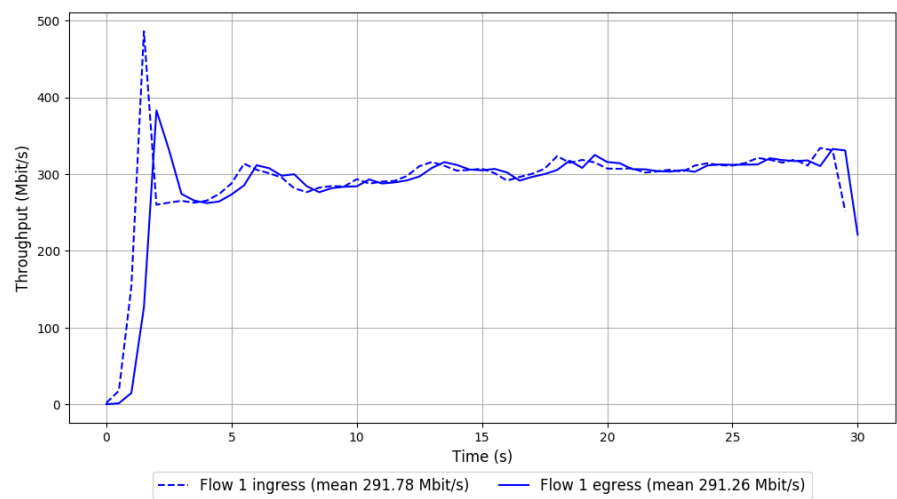
-- Flow 1:

Average throughput: 291.26 Mbit/s

95th percentile per-packet one-way delay: 67.113 ms

Loss rate: 0.51%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 15:27:35

End at: 2018-07-20 15:28:05

Local clock offset: -0.043 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-20 18:55:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.25 Mbit/s

95th percentile per-packet one-way delay: 90.278 ms

Loss rate: 0.35%

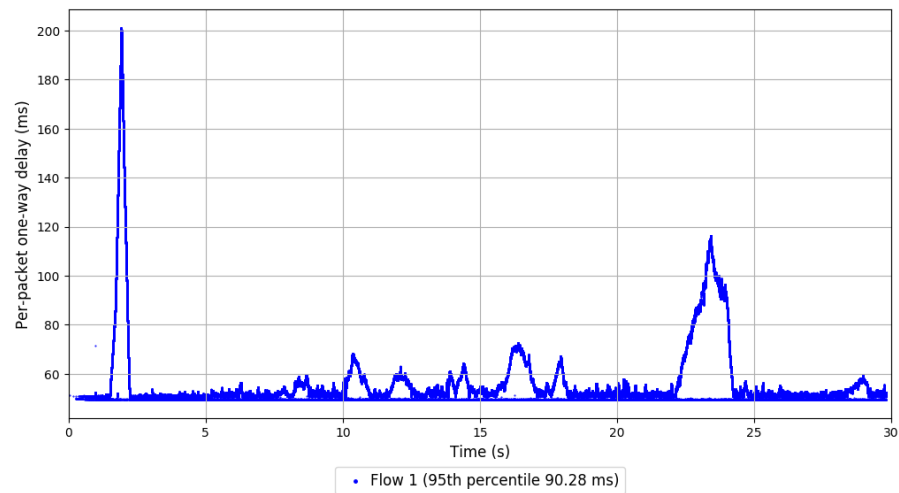
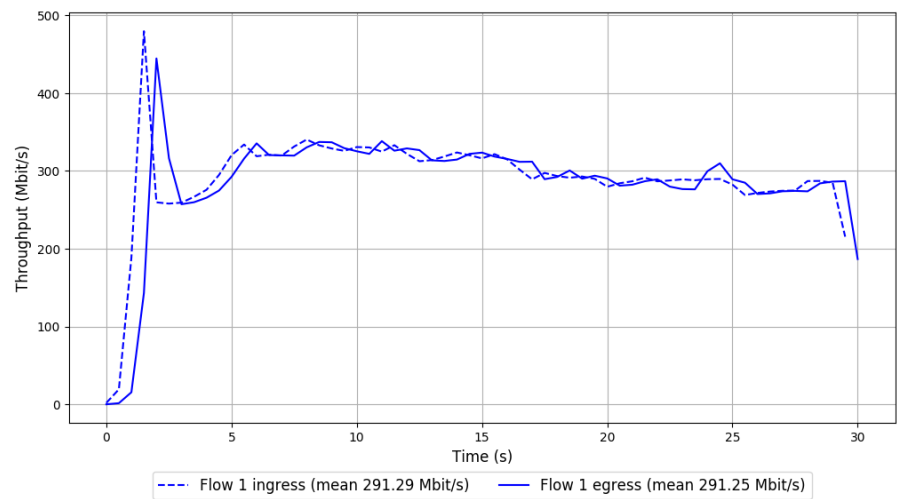
-- Flow 1:

Average throughput: 291.25 Mbit/s

95th percentile per-packet one-way delay: 90.278 ms

Loss rate: 0.35%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 15:49:03

End at: 2018-07-20 15:49:33

Local clock offset: 0.277 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-20 18:55:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.45 Mbit/s

95th percentile per-packet one-way delay: 69.153 ms

Loss rate: 0.44%

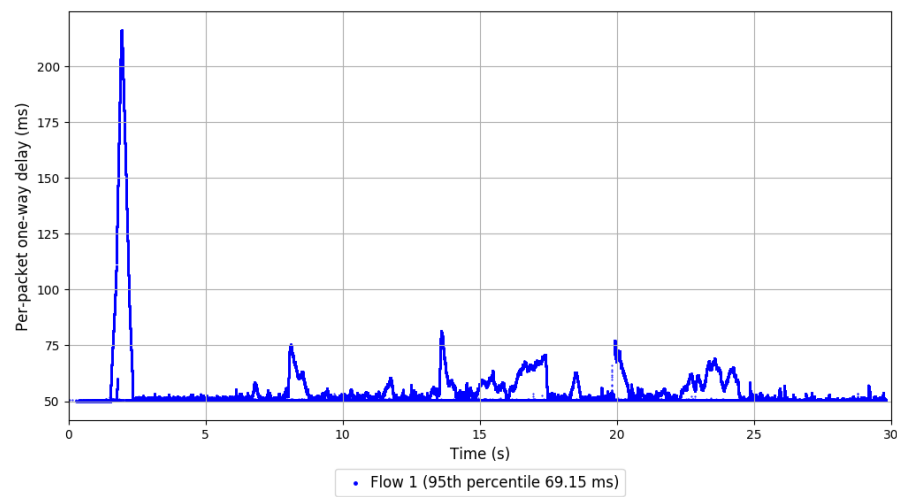
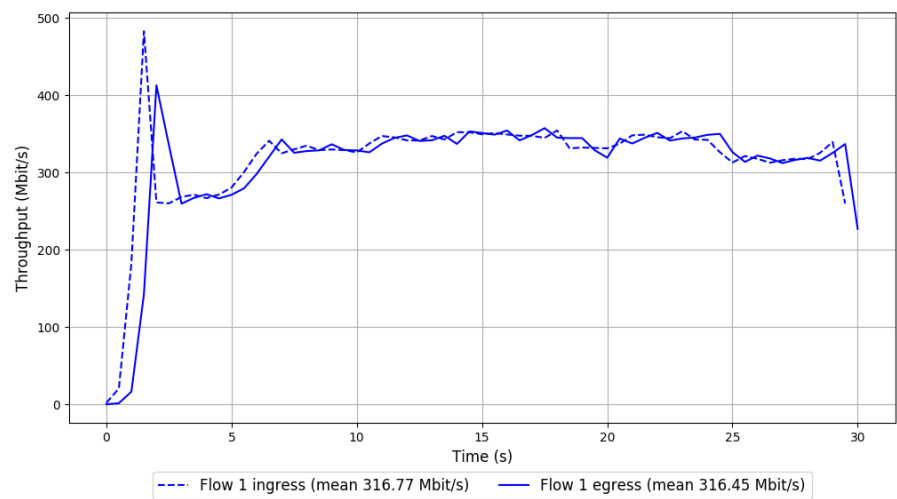
-- Flow 1:

Average throughput: 316.45 Mbit/s

95th percentile per-packet one-way delay: 69.153 ms

Loss rate: 0.44%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 16:10:19

End at: 2018-07-20 16:10:49

Local clock offset: 0.339 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 18:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.90 Mbit/s

95th percentile per-packet one-way delay: 119.322 ms

Loss rate: 0.44%

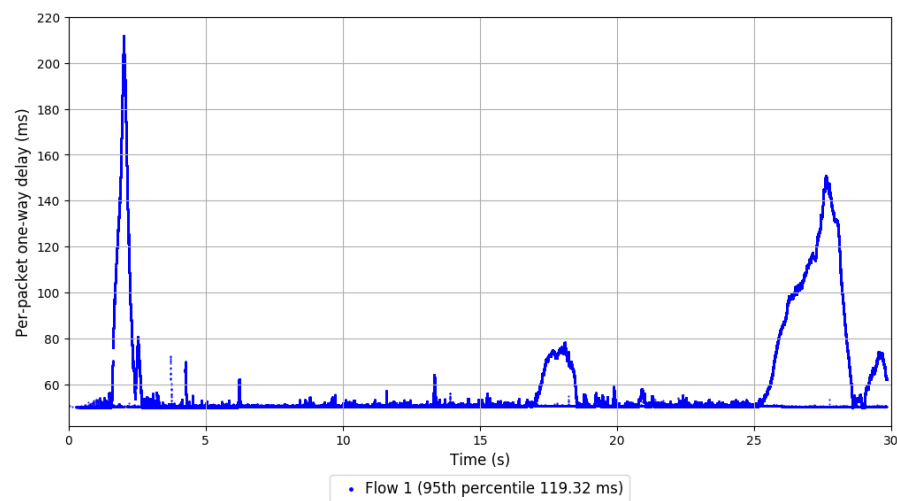
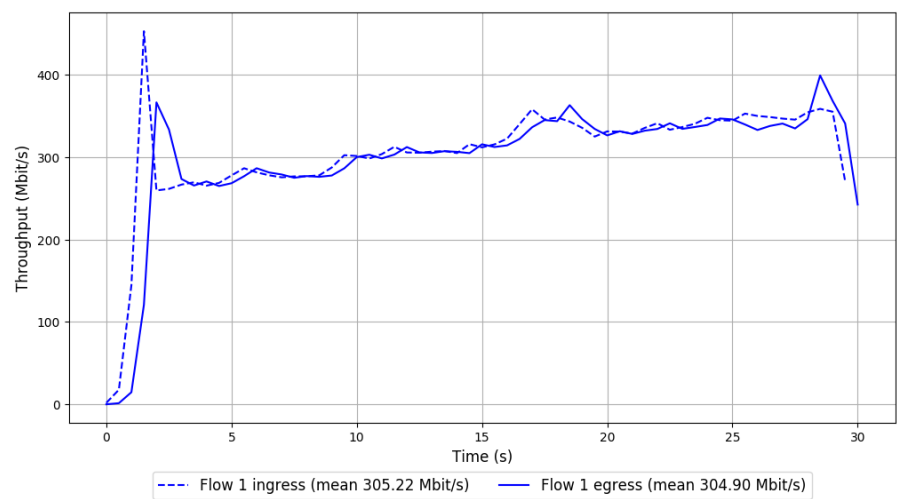
-- Flow 1:

Average throughput: 304.90 Mbit/s

95th percentile per-packet one-way delay: 119.322 ms

Loss rate: 0.44%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 16:31:48

End at: 2018-07-20 16:32:18

Local clock offset: -0.051 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-20 18:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.28 Mbit/s

95th percentile per-packet one-way delay: 127.009 ms

Loss rate: 0.62%

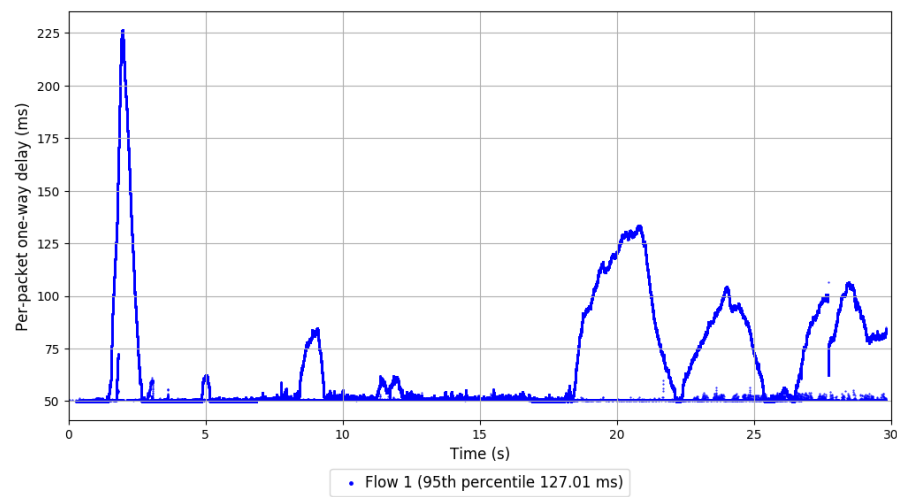
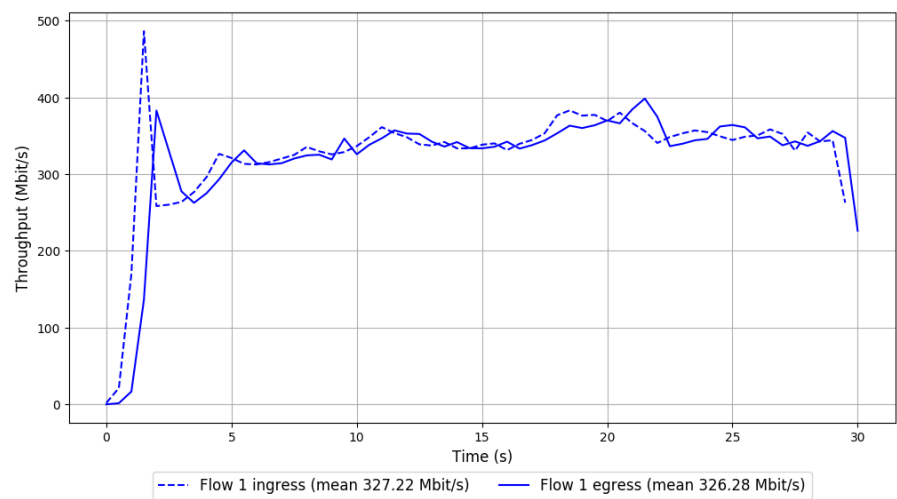
-- Flow 1:

Average throughput: 326.28 Mbit/s

95th percentile per-packet one-way delay: 127.009 ms

Loss rate: 0.62%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 16:53:18

End at: 2018-07-20 16:53:48

Local clock offset: 0.19 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 18:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.41 Mbit/s

95th percentile per-packet one-way delay: 63.831 ms

Loss rate: 0.42%

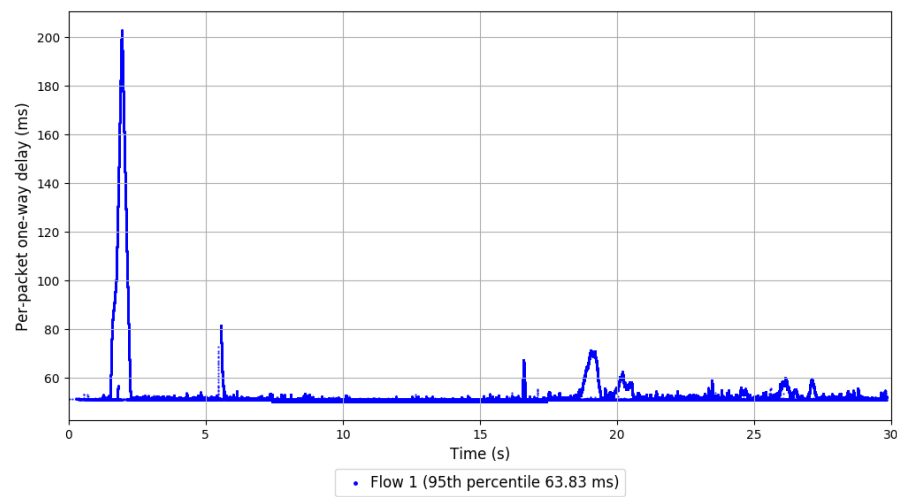
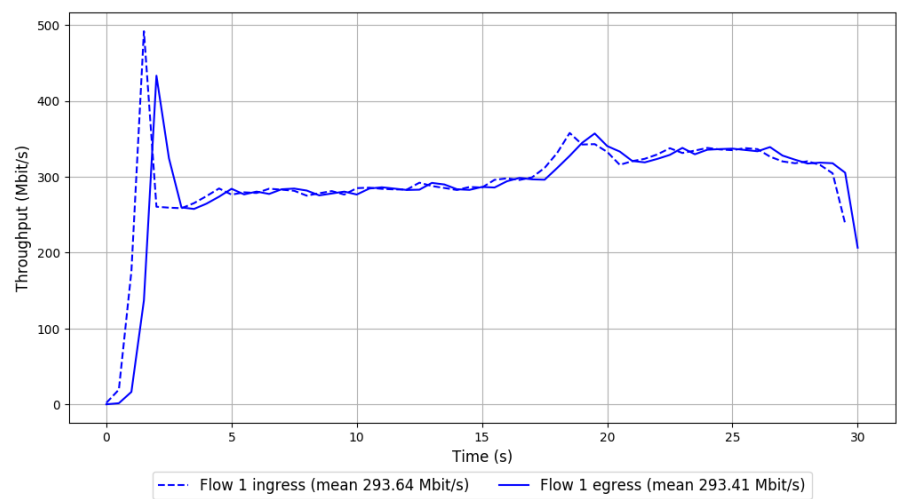
-- Flow 1:

Average throughput: 293.41 Mbit/s

95th percentile per-packet one-way delay: 63.831 ms

Loss rate: 0.42%

Run 8: Report of PCC-Allegro — Data Link

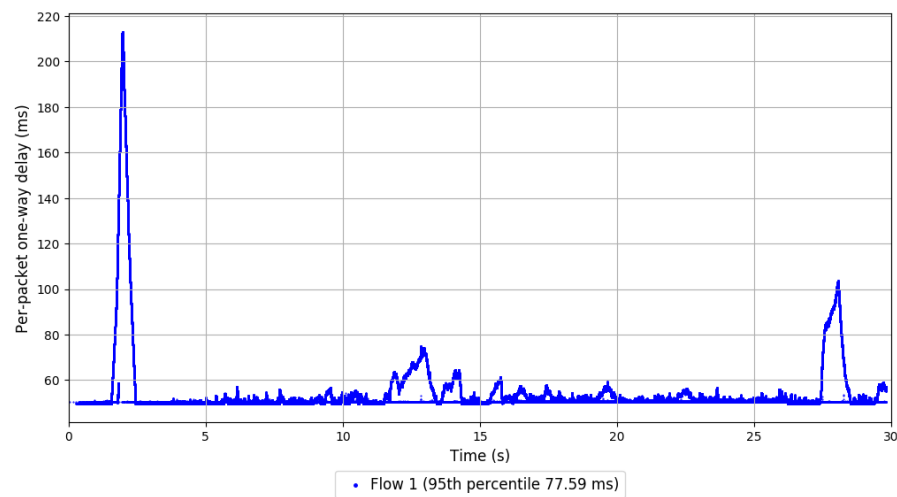
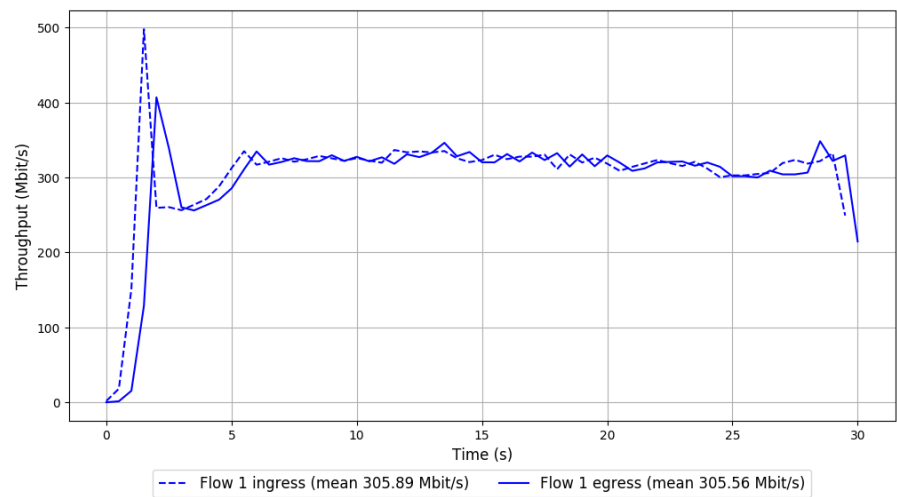


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 17:14:39
End at: 2018-07-20 17:15:09
Local clock offset: -0.206 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 18:59:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.56 Mbit/s
95th percentile per-packet one-way delay: 77.593 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 305.56 Mbit/s
95th percentile per-packet one-way delay: 77.593 ms
Loss rate: 0.45%

Run 9: Report of PCC-Allegro — Data Link

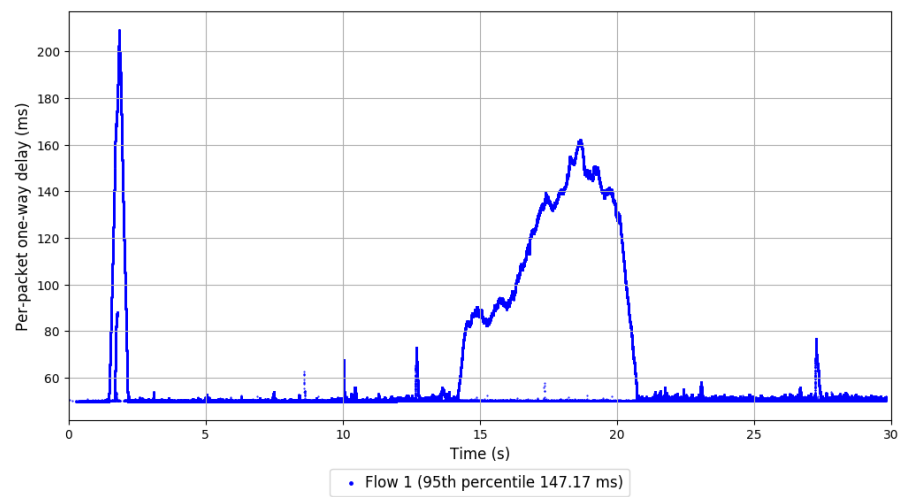
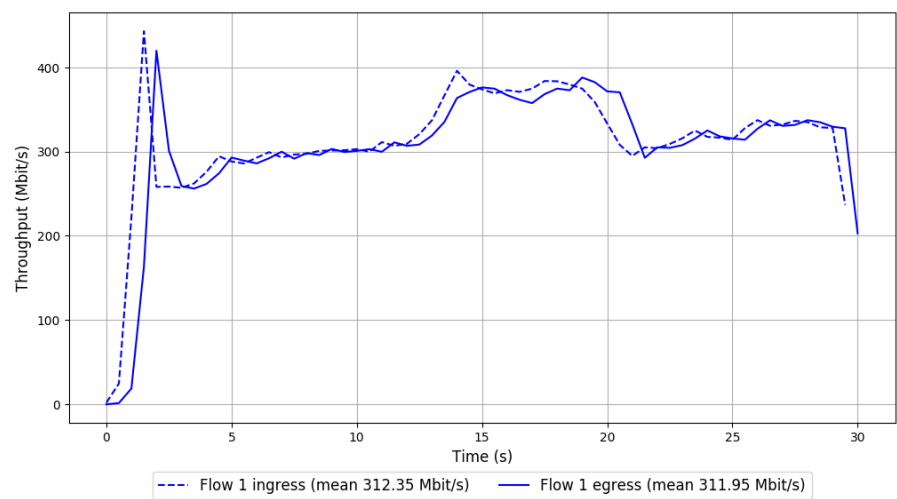


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-20 17:36:13
End at: 2018-07-20 17:36:43
Local clock offset: -0.081 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-20 19:00:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.95 Mbit/s
95th percentile per-packet one-way delay: 147.168 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 311.95 Mbit/s
95th percentile per-packet one-way delay: 147.168 ms
Loss rate: 0.46%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 14:21:55
End at: 2018-07-20 14:22:25
Local clock offset: -0.627 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-20 19:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.93 Mbit/s

95th percentile per-packet one-way delay: 49.964 ms

Loss rate: 0.37%

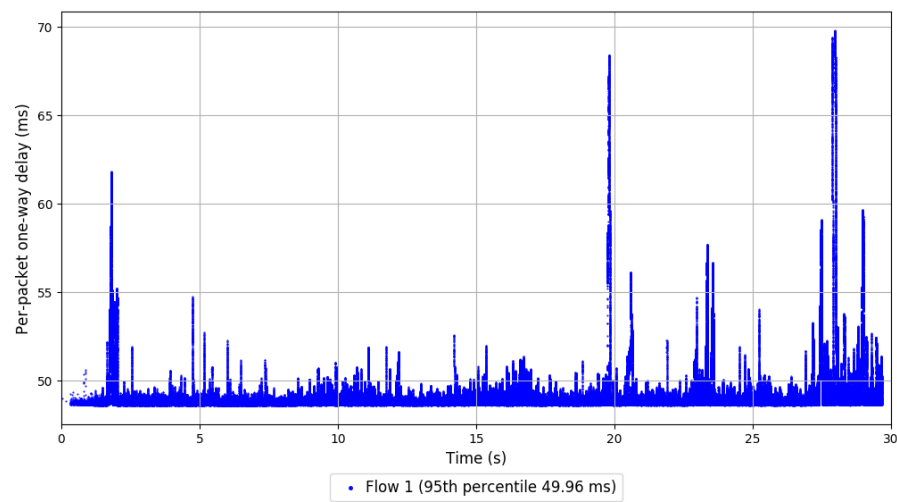
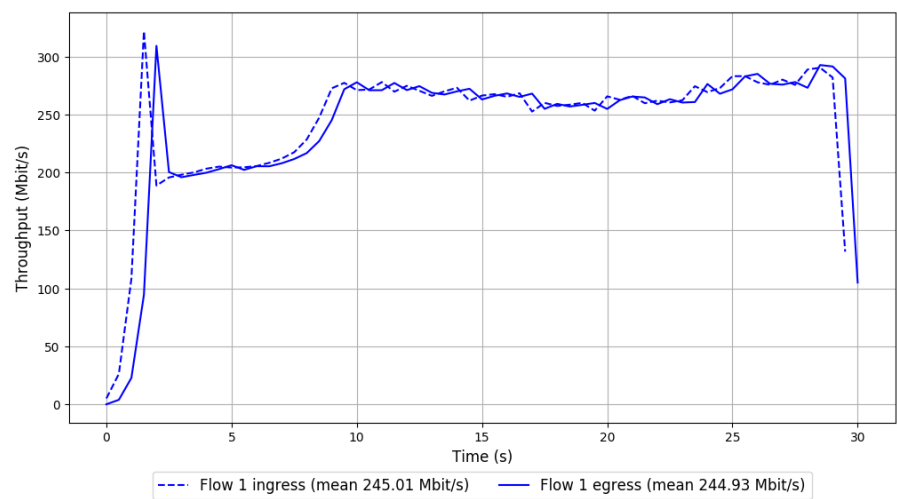
-- Flow 1:

Average throughput: 244.93 Mbit/s

95th percentile per-packet one-way delay: 49.964 ms

Loss rate: 0.37%

Run 1: Report of PCC-Expr — Data Link

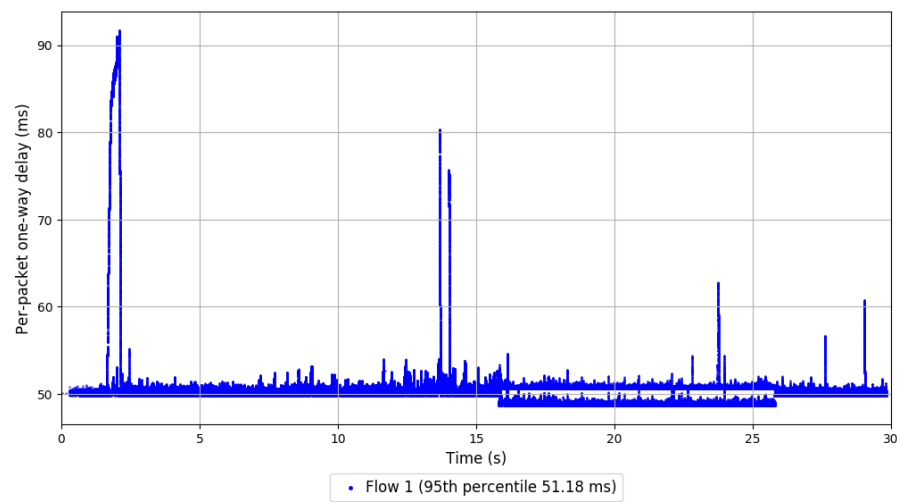
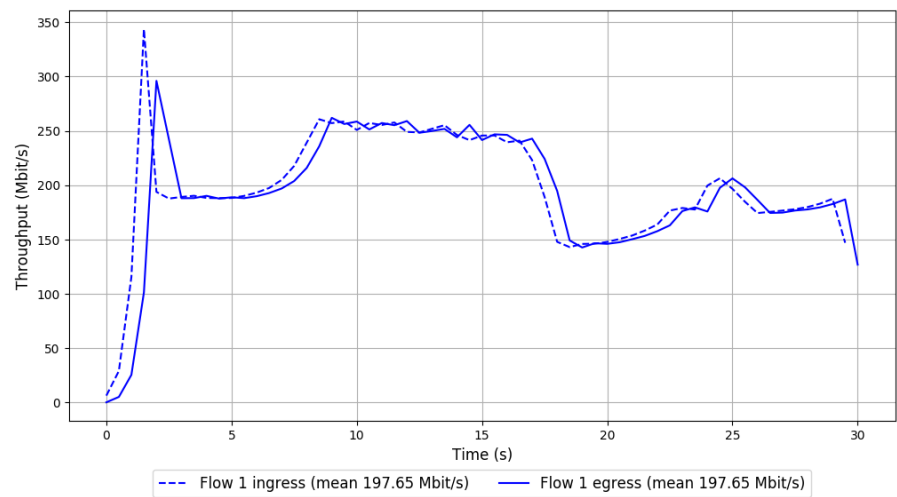


Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 14:43:09
End at: 2018-07-20 14:43:39
Local clock offset: -0.088 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-20 19:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.65 Mbit/s
95th percentile per-packet one-way delay: 51.181 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 197.65 Mbit/s
95th percentile per-packet one-way delay: 51.181 ms
Loss rate: 0.33%

Run 2: Report of PCC-Expr — Data Link

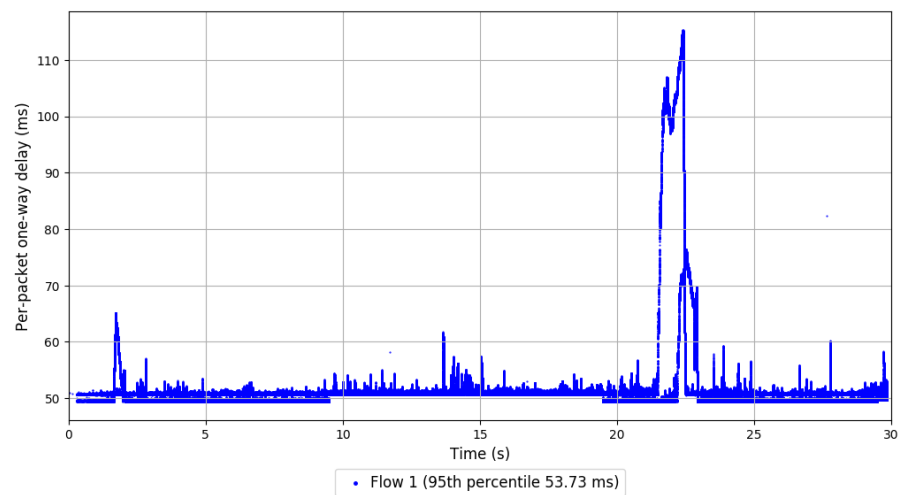
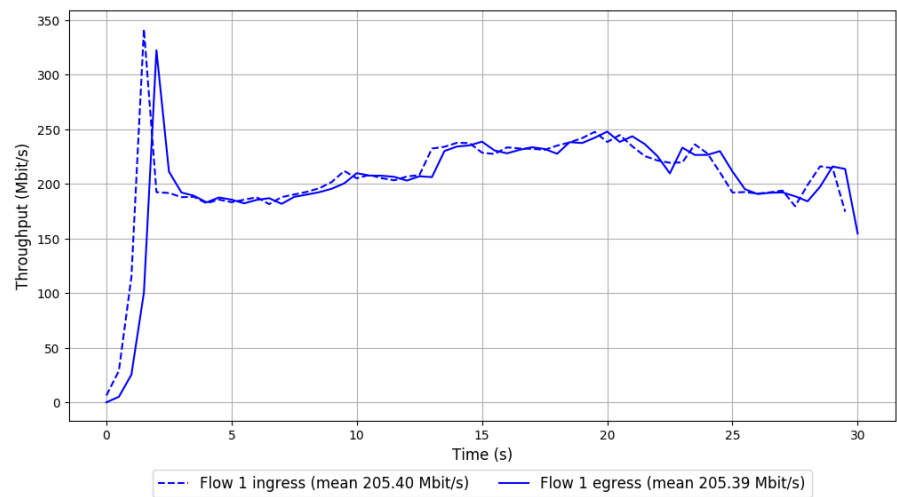


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 15:04:46
End at: 2018-07-20 15:05:16
Local clock offset: -0.058 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-20 19:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.39 Mbit/s
95th percentile per-packet one-way delay: 53.728 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 205.39 Mbit/s
95th percentile per-packet one-way delay: 53.728 ms
Loss rate: 0.34%

Run 3: Report of PCC-Expr — Data Link

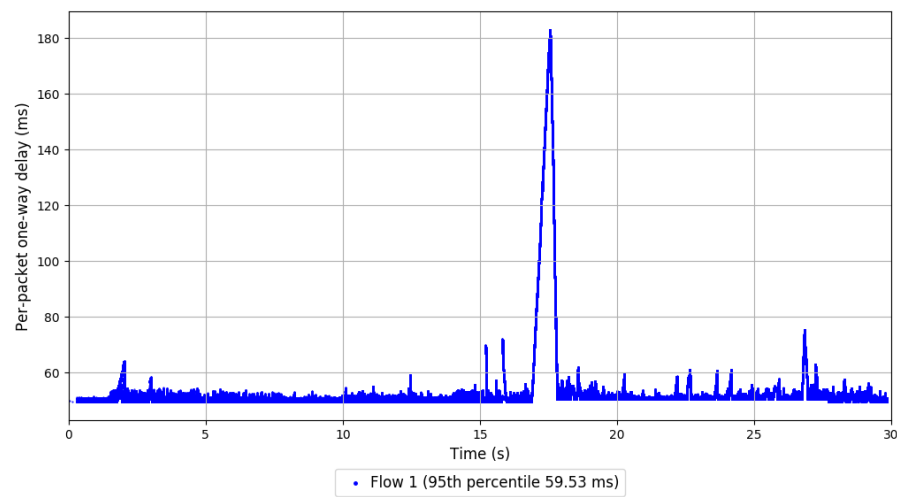
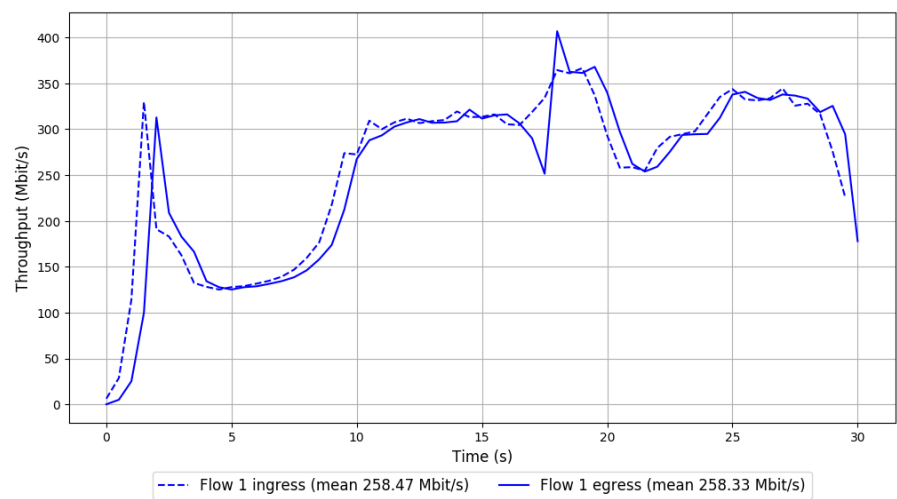


Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 15:26:07
End at: 2018-07-20 15:26:38
Local clock offset: -0.045 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-20 19:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.33 Mbit/s
95th percentile per-packet one-way delay: 59.532 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 258.33 Mbit/s
95th percentile per-packet one-way delay: 59.532 ms
Loss rate: 0.39%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 15:47:39

End at: 2018-07-20 15:48:09

Local clock offset: 0.283 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-20 19:04:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.96 Mbit/s

95th percentile per-packet one-way delay: 51.465 ms

Loss rate: 0.40%

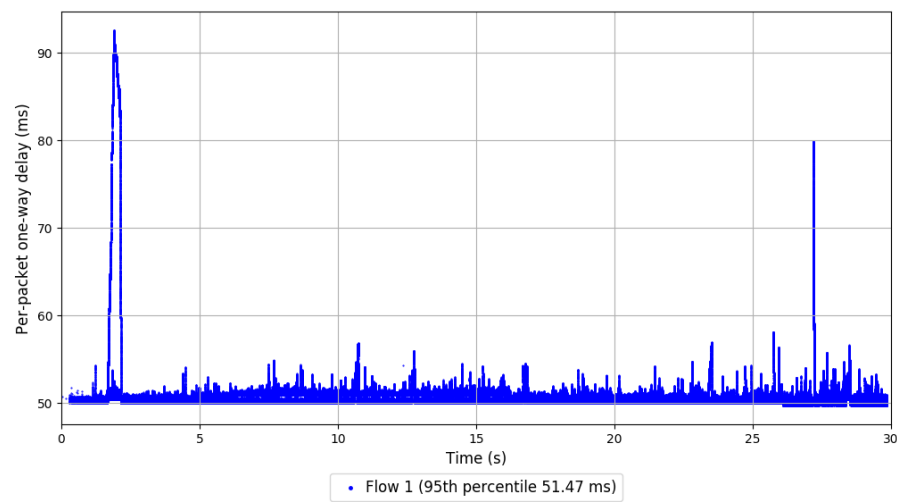
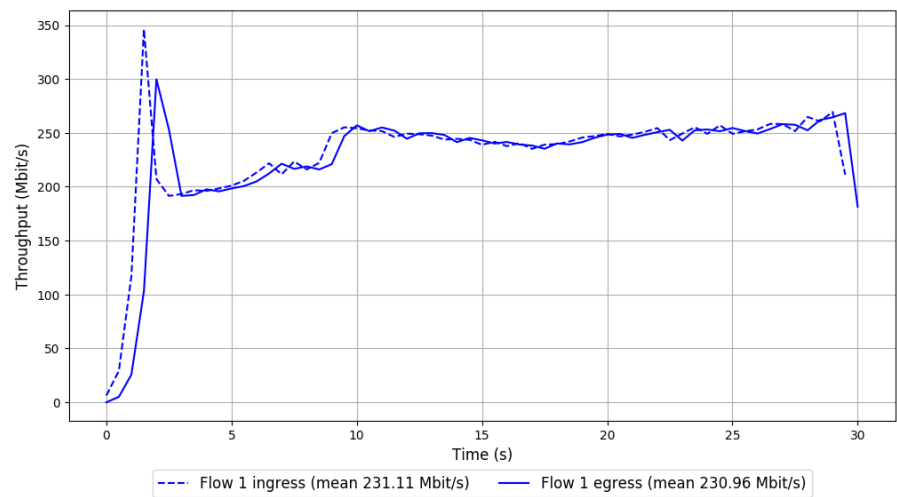
-- Flow 1:

Average throughput: 230.96 Mbit/s

95th percentile per-packet one-way delay: 51.465 ms

Loss rate: 0.40%

Run 5: Report of PCC-Expr — Data Link

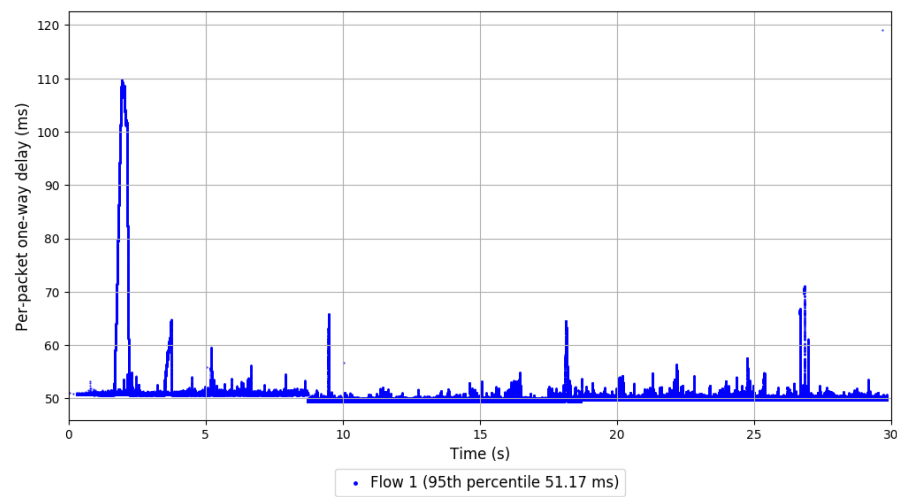
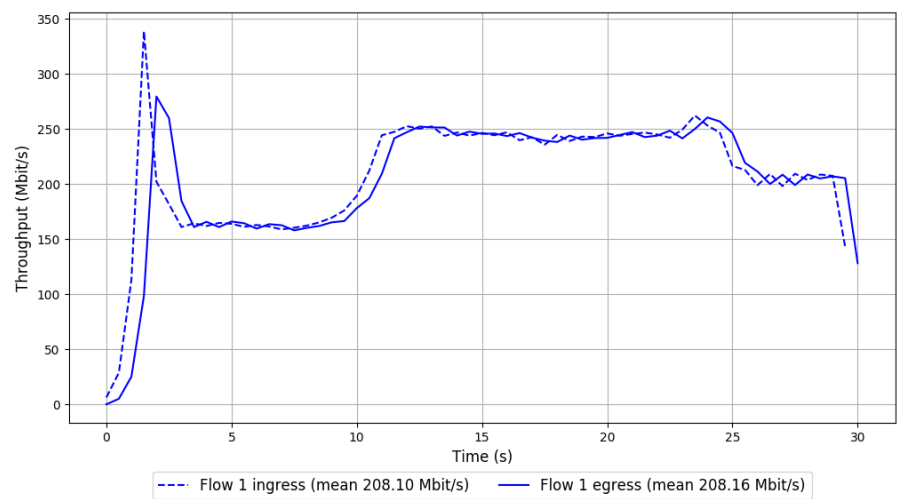


Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 16:08:56
End at: 2018-07-20 16:09:26
Local clock offset: -0.034 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 19:04:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.16 Mbit/s
95th percentile per-packet one-way delay: 51.172 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 208.16 Mbit/s
95th percentile per-packet one-way delay: 51.172 ms
Loss rate: 0.31%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 16:30:30

End at: 2018-07-20 16:31:00

Local clock offset: -0.057 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-20 19:04:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.33 Mbit/s

95th percentile per-packet one-way delay: 64.028 ms

Loss rate: 0.43%

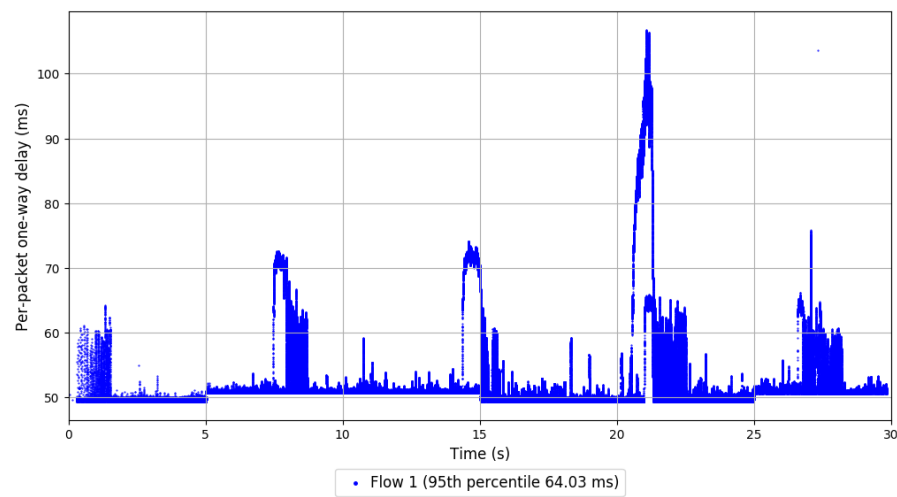
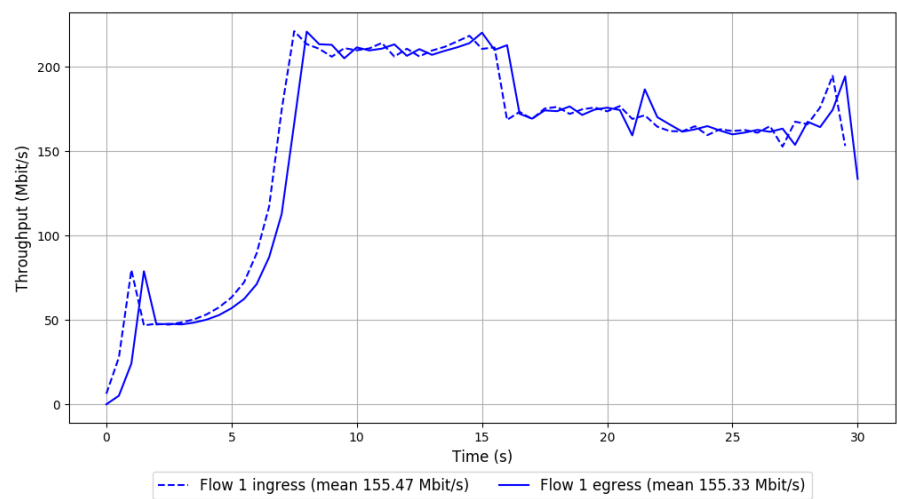
-- Flow 1:

Average throughput: 155.33 Mbit/s

95th percentile per-packet one-way delay: 64.028 ms

Loss rate: 0.43%

Run 7: Report of PCC-Expr — Data Link

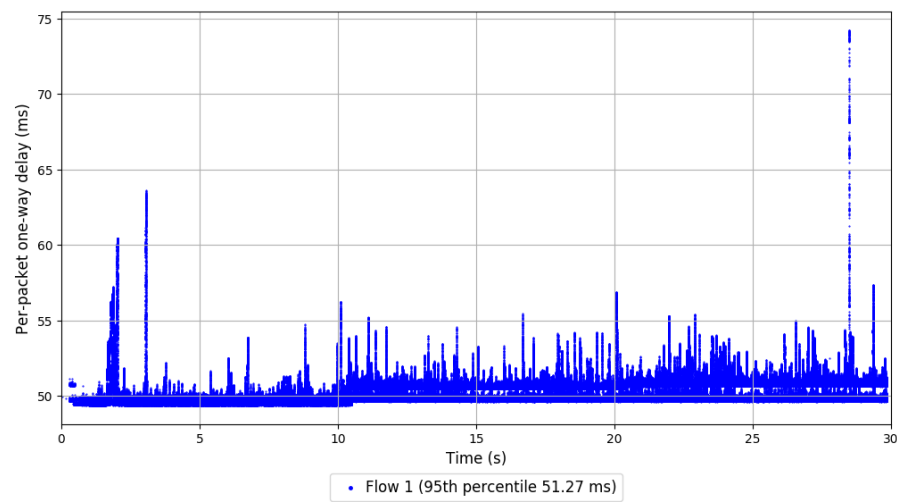
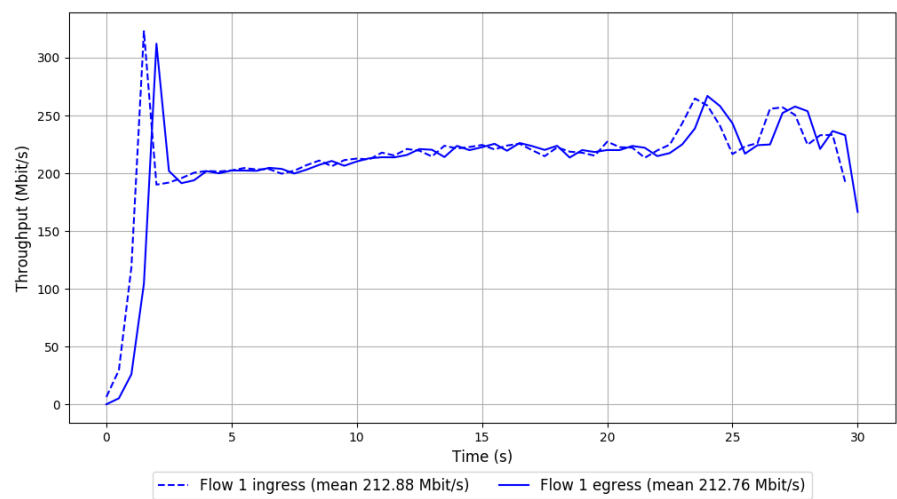


Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 16:51:55
End at: 2018-07-20 16:52:25
Local clock offset: -0.142 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 19:07:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.76 Mbit/s
95th percentile per-packet one-way delay: 51.267 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 212.76 Mbit/s
95th percentile per-packet one-way delay: 51.267 ms
Loss rate: 0.39%

Run 8: Report of PCC-Expr — Data Link

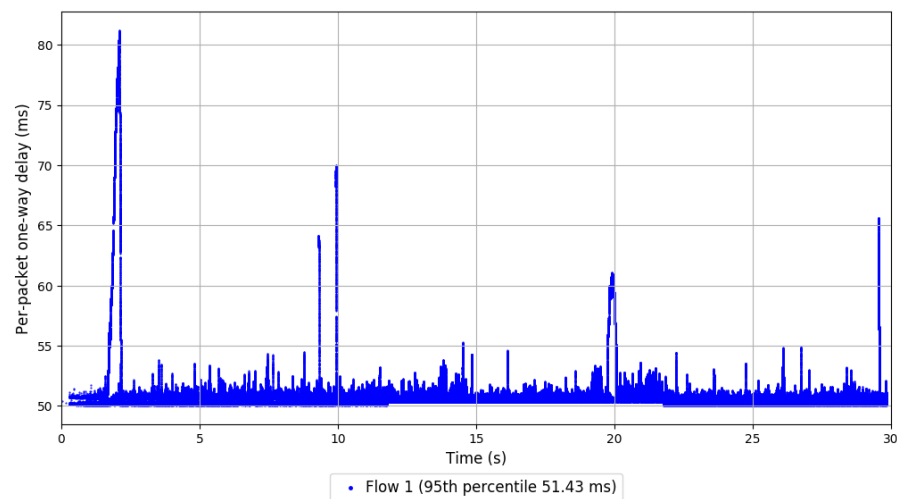
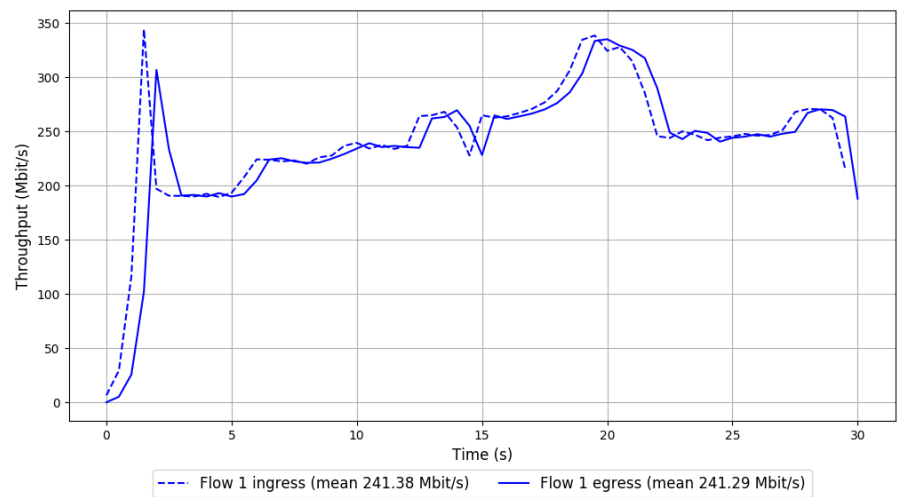


Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 17:13:13
End at: 2018-07-20 17:13:43
Local clock offset: -0.169 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 19:09:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.29 Mbit/s
95th percentile per-packet one-way delay: 51.433 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 241.29 Mbit/s
95th percentile per-packet one-way delay: 51.433 ms
Loss rate: 0.38%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 17:34:48

End at: 2018-07-20 17:35:19

Local clock offset: -0.112 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.40 Mbit/s

95th percentile per-packet one-way delay: 51.369 ms

Loss rate: 0.44%

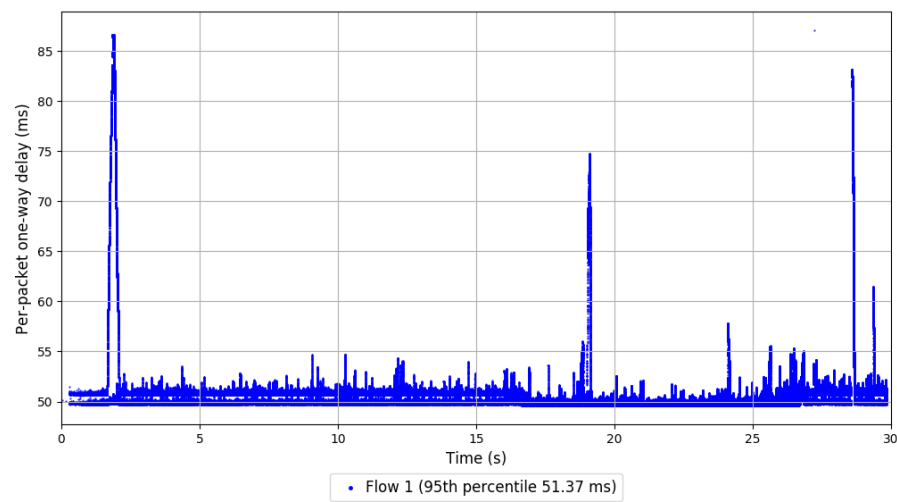
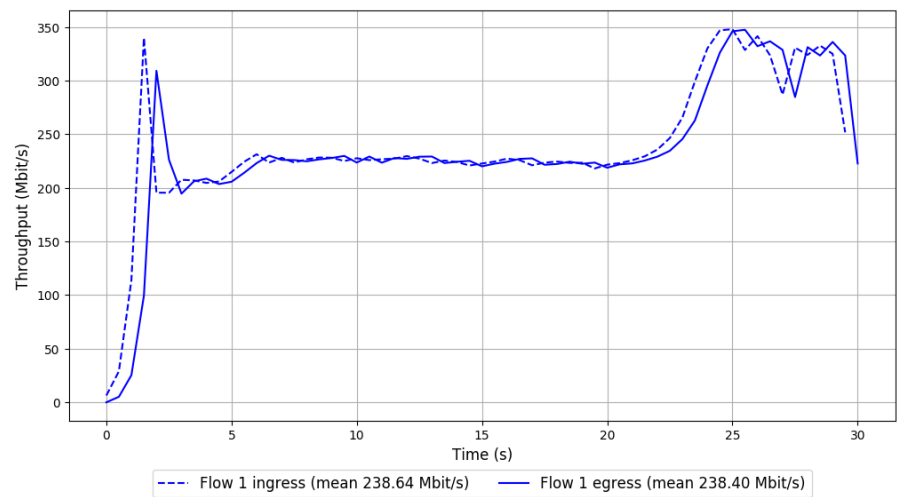
-- Flow 1:

Average throughput: 238.40 Mbit/s

95th percentile per-packet one-way delay: 51.369 ms

Loss rate: 0.44%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

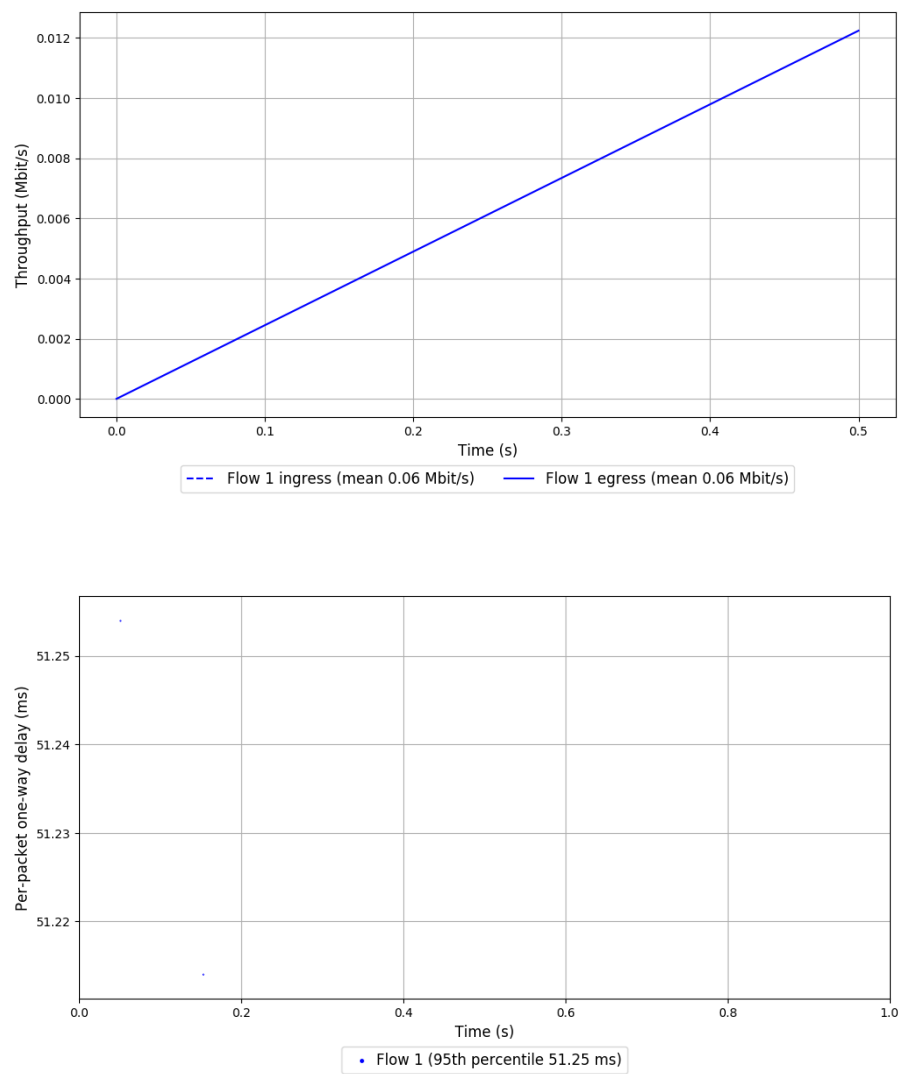
Start at: 2018-07-20 14:29:33

End at: 2018-07-20 14:30:03

Local clock offset: -0.02 ms

Remote clock offset: 0.005 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-20 14:50:53

End at: 2018-07-20 14:51:23

Local clock offset: 0.315 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.41 Mbit/s

95th percentile per-packet one-way delay: 51.229 ms

Loss rate: 0.34%

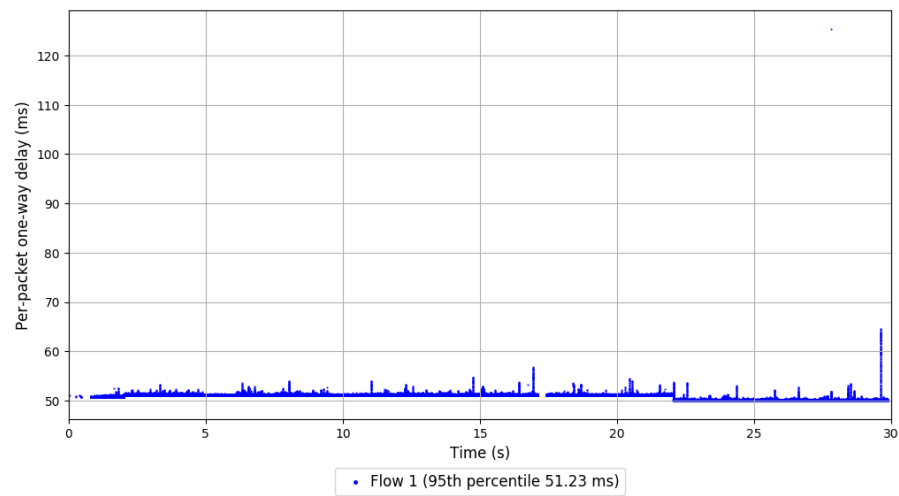
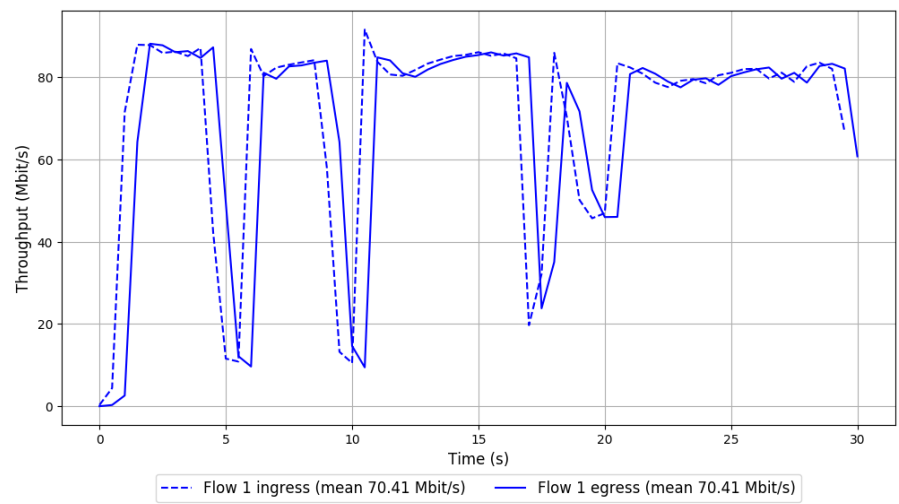
-- Flow 1:

Average throughput: 70.41 Mbit/s

95th percentile per-packet one-way delay: 51.229 ms

Loss rate: 0.34%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-20 15:12:20

End at: 2018-07-20 15:12:50

Local clock offset: -0.046 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 48.941 ms

Loss rate: 0.37%

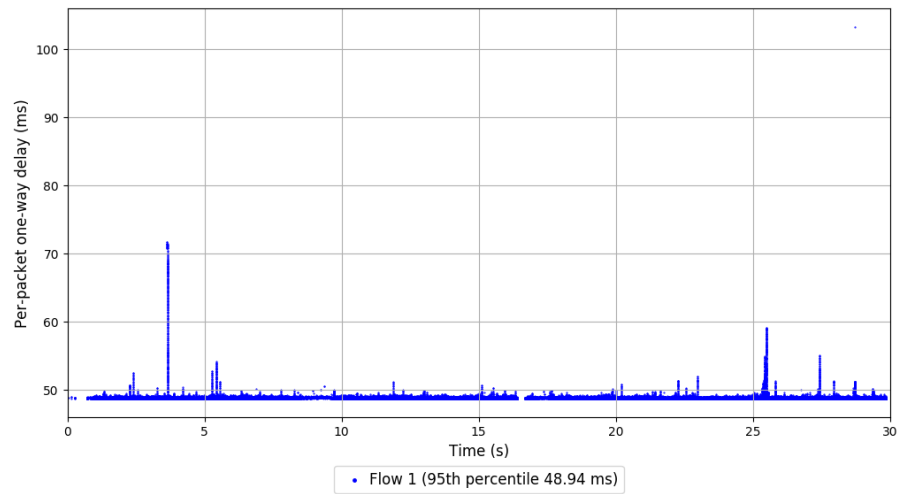
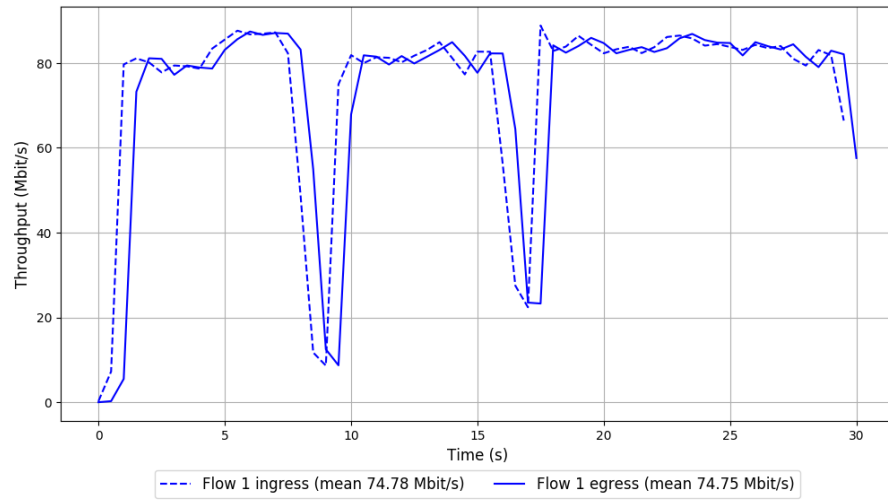
-- Flow 1:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 48.941 ms

Loss rate: 0.37%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-20 15:33:52

End at: 2018-07-20 15:34:22

Local clock offset: -0.042 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 50.238 ms

Loss rate: 0.37%

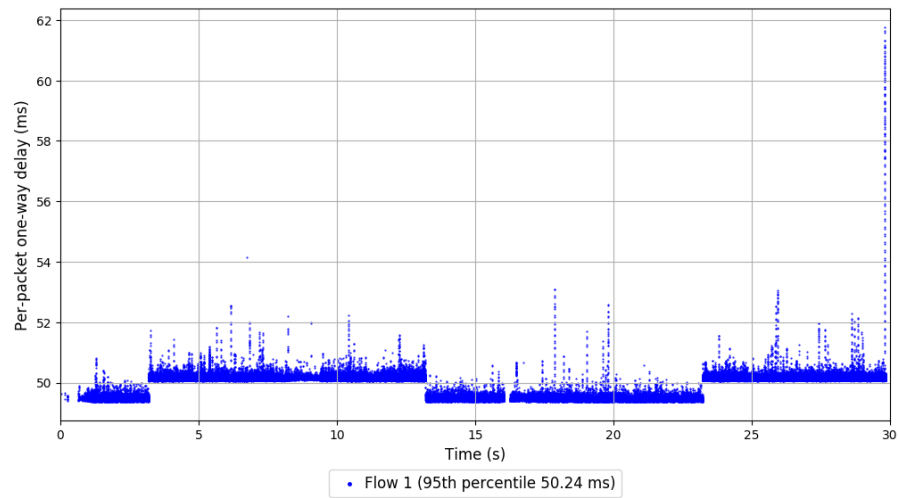
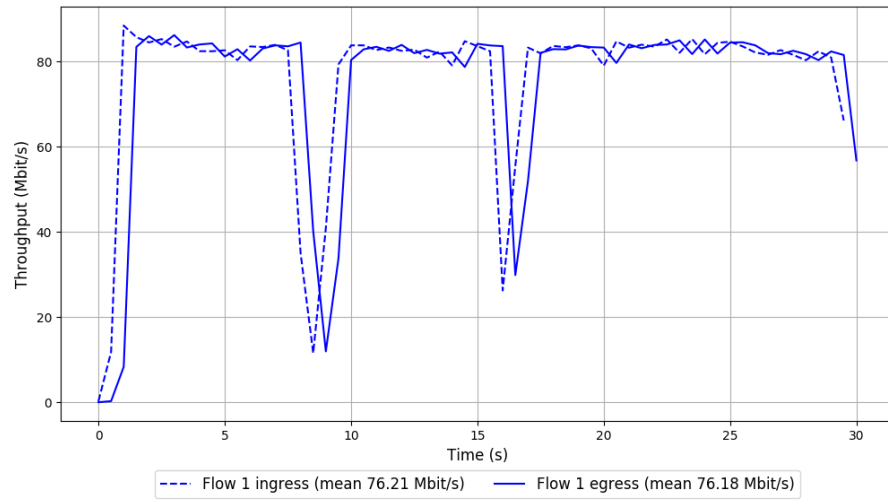
-- Flow 1:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 50.238 ms

Loss rate: 0.37%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-20 15:55:23

End at: 2018-07-20 15:55:53

Local clock offset: 0.311 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 50.768 ms

Loss rate: 0.41%

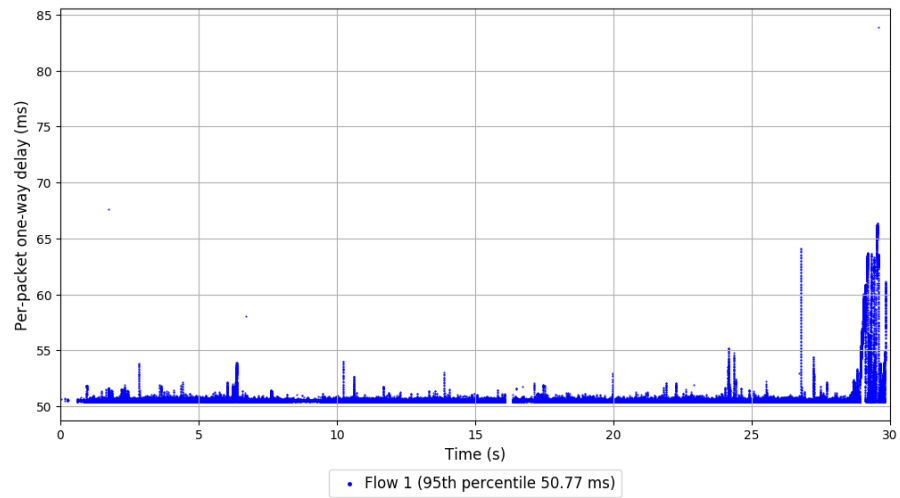
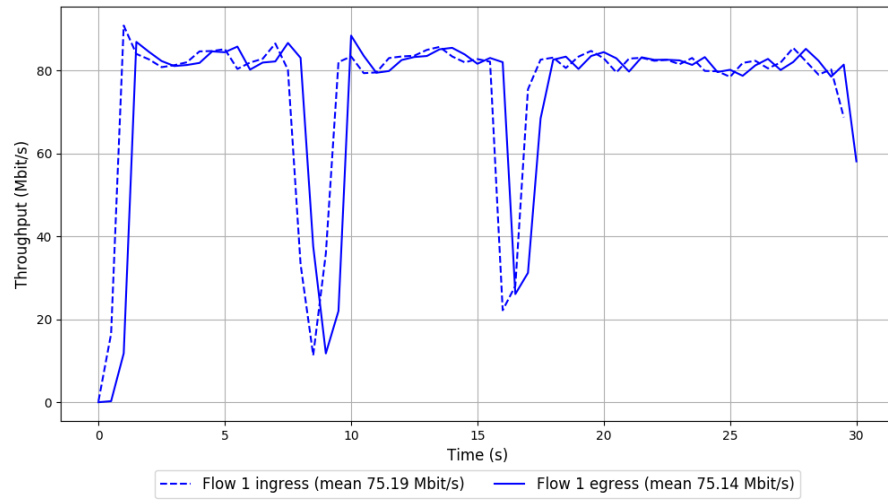
-- Flow 1:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 50.768 ms

Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-20 16:16:38

End at: 2018-07-20 16:17:08

Local clock offset: -0.036 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 51.199 ms

Loss rate: 0.45%

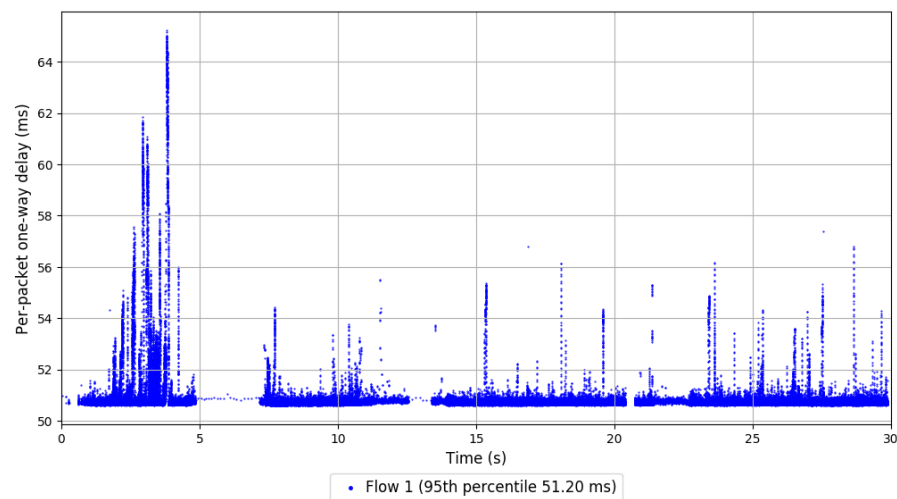
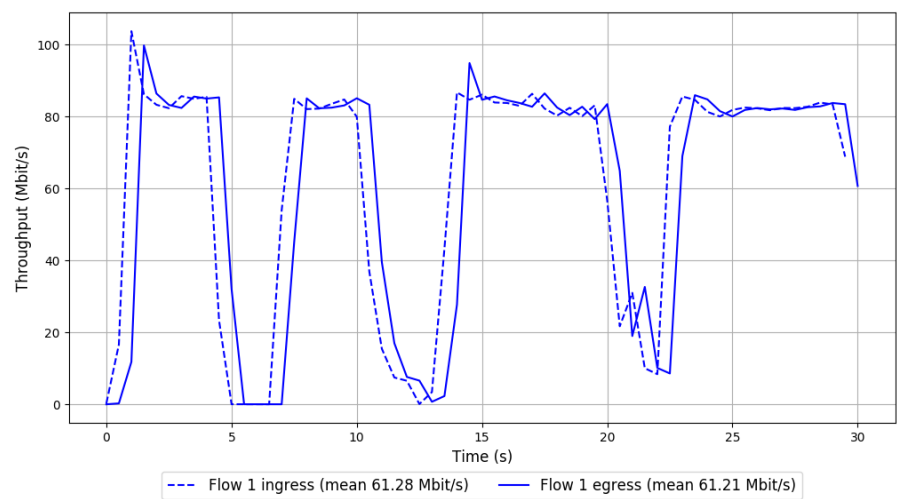
-- Flow 1:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 51.199 ms

Loss rate: 0.45%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-20 16:38:06

End at: 2018-07-20 16:38:36

Local clock offset: -0.051 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 50.835 ms

Loss rate: 0.39%

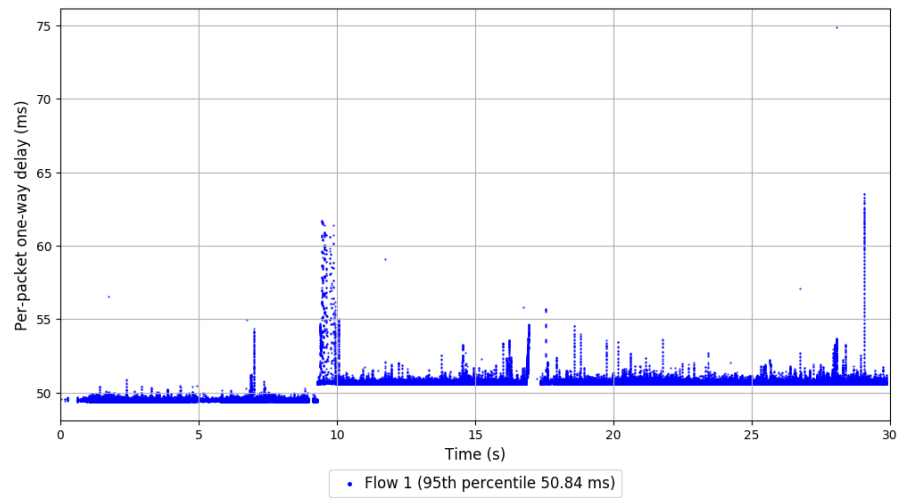
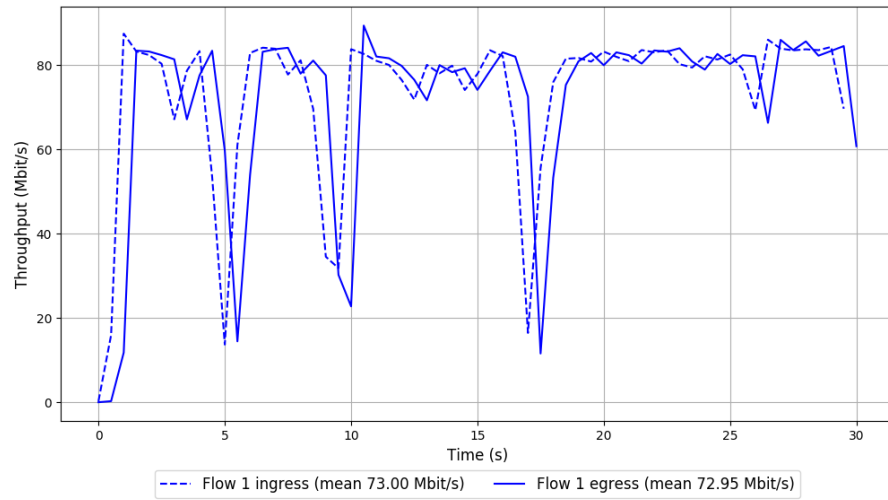
-- Flow 1:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 50.835 ms

Loss rate: 0.39%

Run 7: Report of QUIC Cubic — Data Link

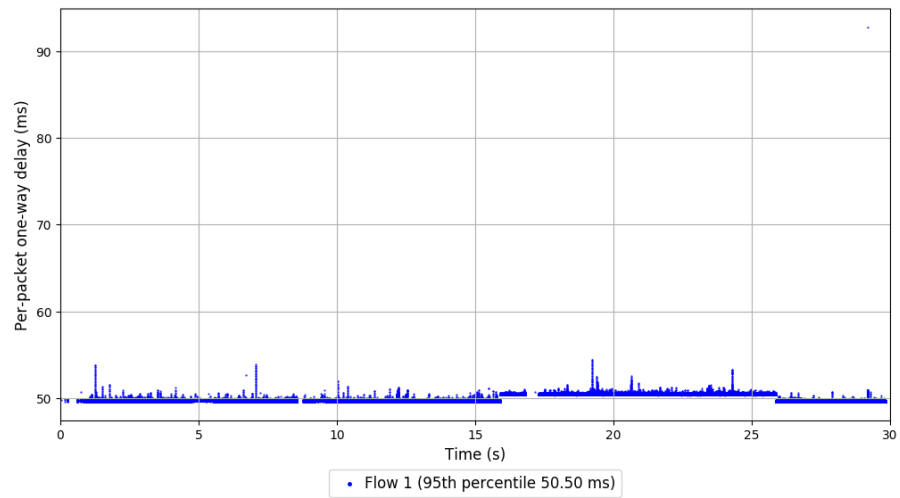
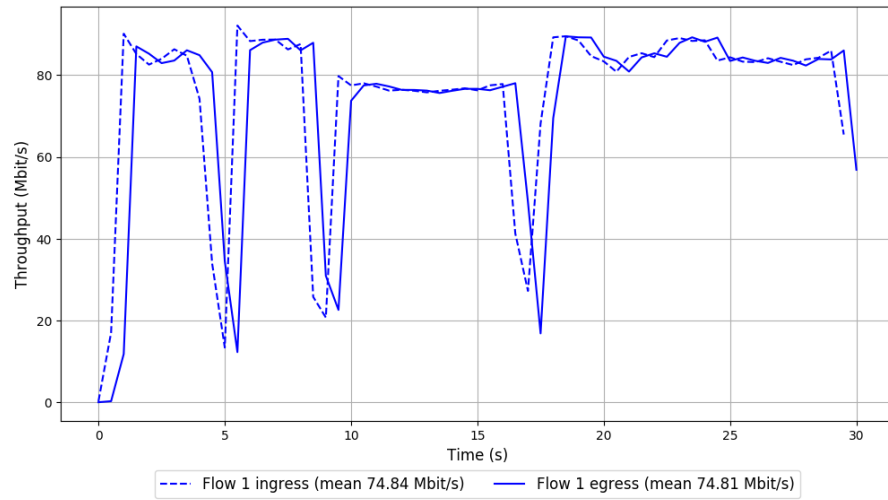


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-20 16:59:29
End at: 2018-07-20 16:59:59
Local clock offset: -0.196 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 50.504 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 50.504 ms
Loss rate: 0.38%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-20 17:20:57

End at: 2018-07-20 17:21:27

Local clock offset: 0.263 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 50.907 ms

Loss rate: 0.33%

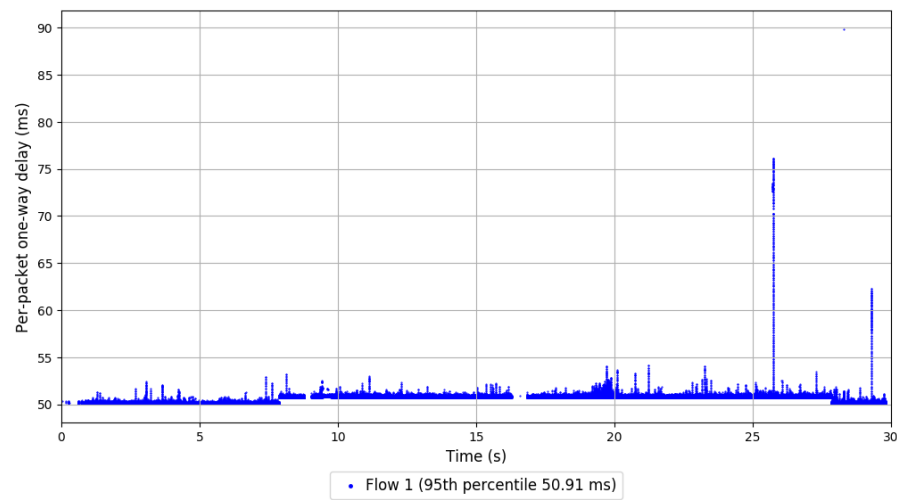
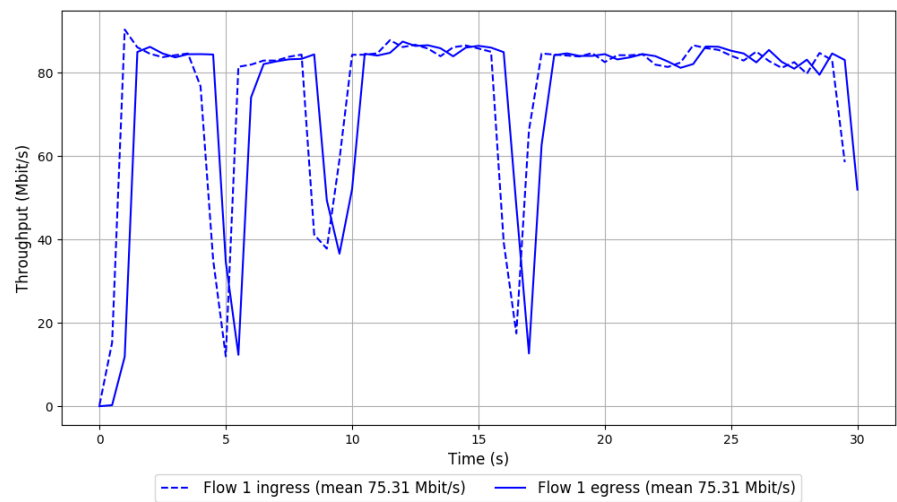
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 50.907 ms

Loss rate: 0.33%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-20 17:42:28

End at: 2018-07-20 17:42:58

Local clock offset: -0.107 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.38 Mbit/s

95th percentile per-packet one-way delay: 50.237 ms

Loss rate: 0.45%

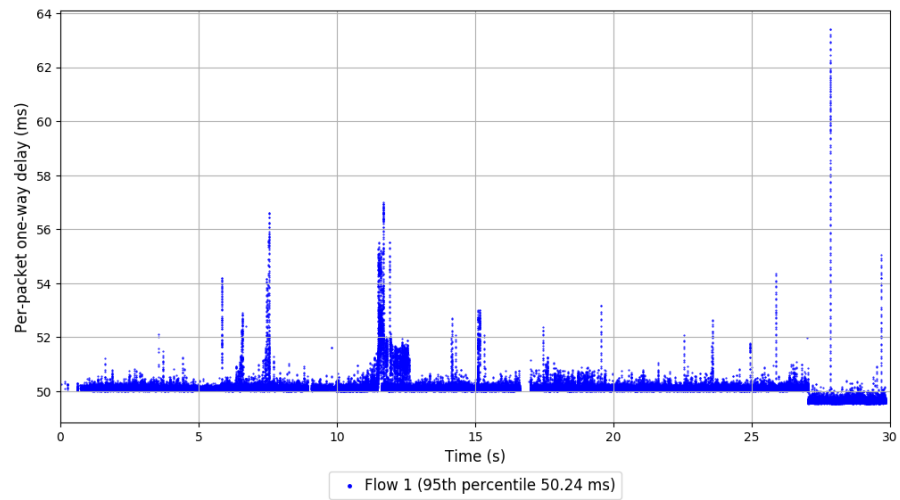
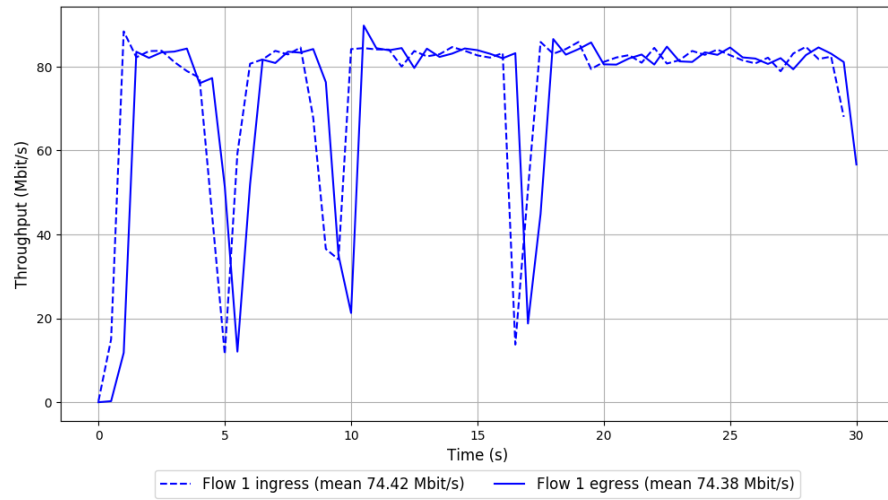
-- Flow 1:

Average throughput: 74.38 Mbit/s

95th percentile per-packet one-way delay: 50.237 ms

Loss rate: 0.45%

Run 10: Report of QUIC Cubic — Data Link

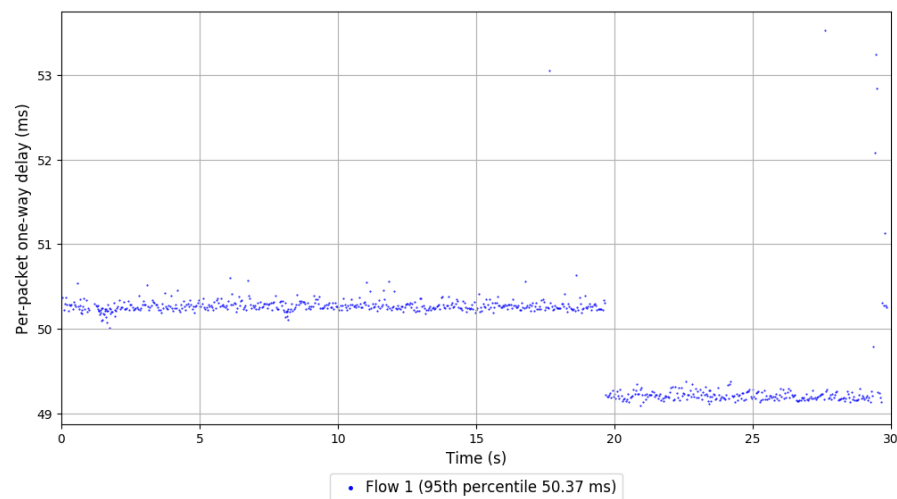
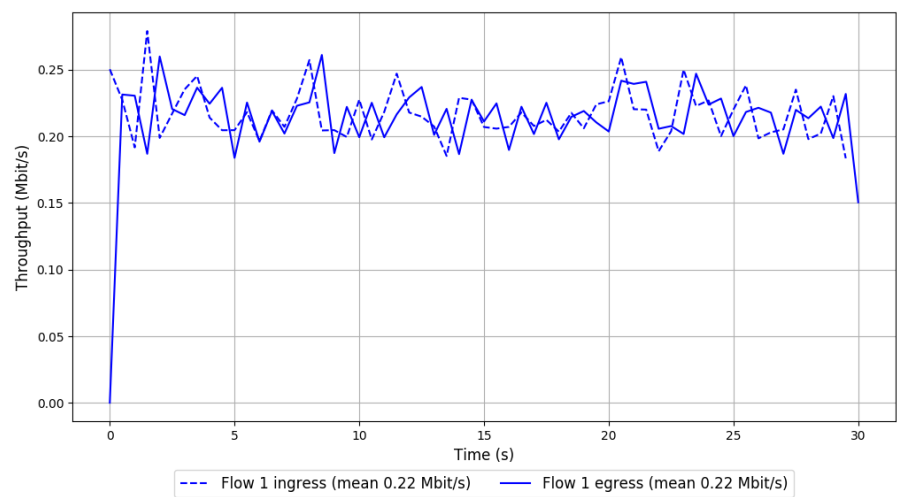


Run 1: Statistics of SCReAM

Start at: 2018-07-20 14:25:56
End at: 2018-07-20 14:26:26
Local clock offset: -0.145 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

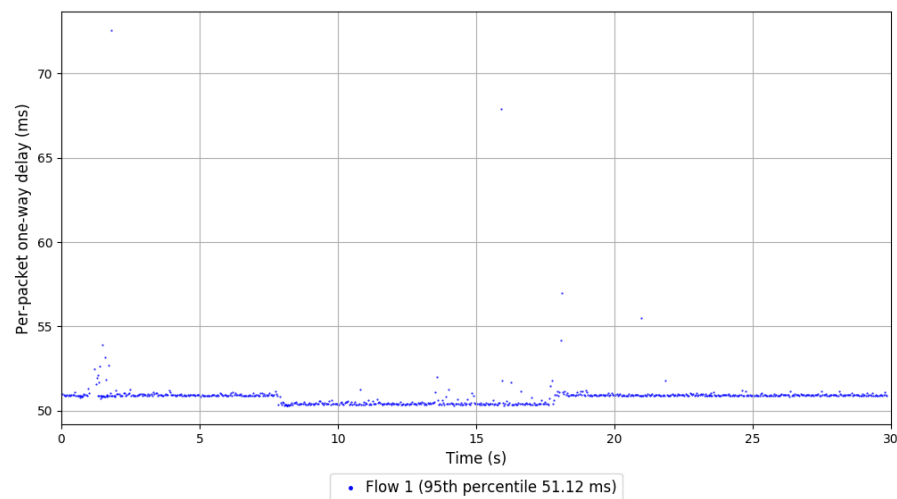
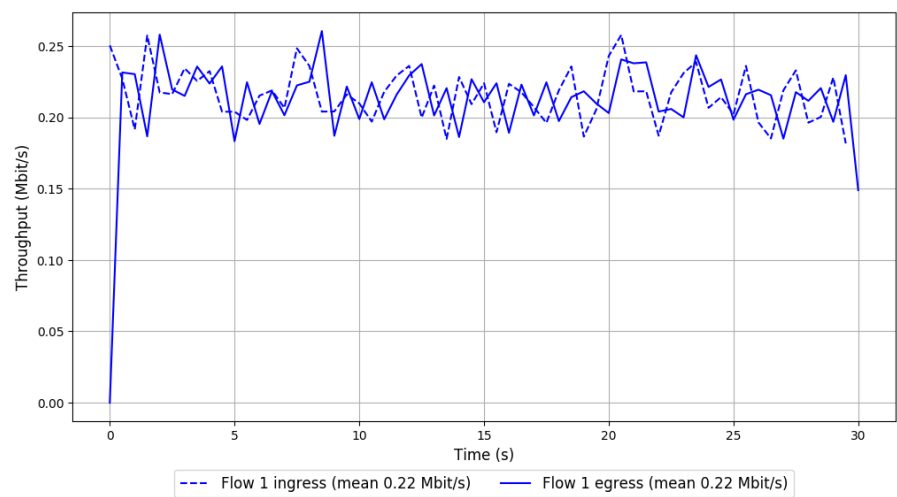


Run 2: Statistics of SCReAM

Start at: 2018-07-20 14:47:07
End at: 2018-07-20 14:47:37
Local clock offset: -0.065 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.116 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.116 ms
Loss rate: 0.38%

Run 2: Report of SReAM — Data Link

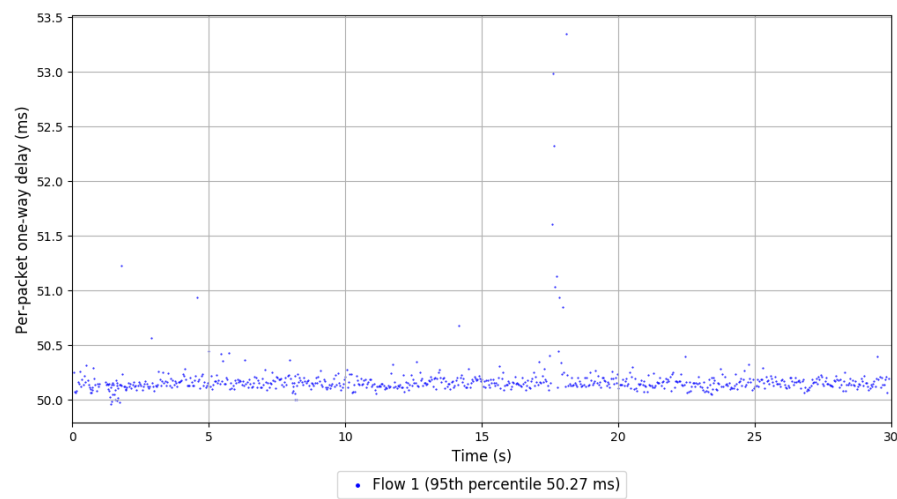
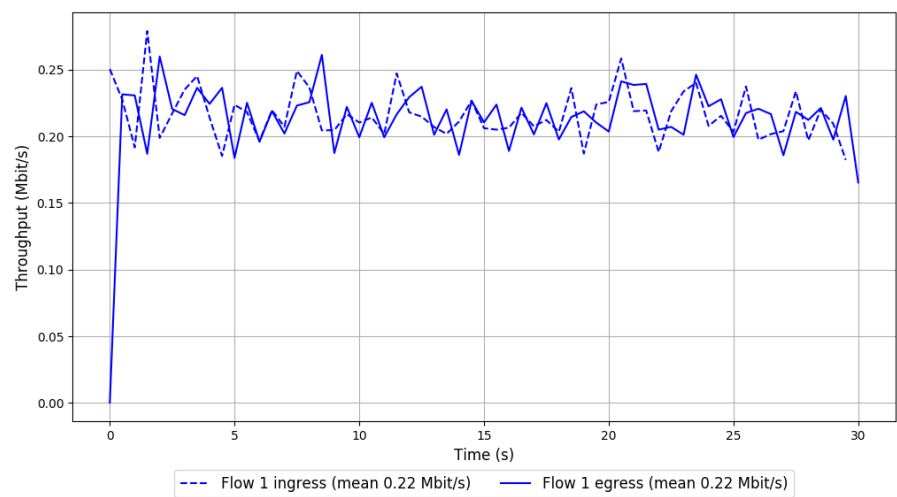


Run 3: Statistics of SCReAM

Start at: 2018-07-20 15:08:42
End at: 2018-07-20 15:09:12
Local clock offset: -0.018 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.272 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.272 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-20 15:30:09

End at: 2018-07-20 15:30:39

Local clock offset: -0.004 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.442 ms

Loss rate: 0.38%

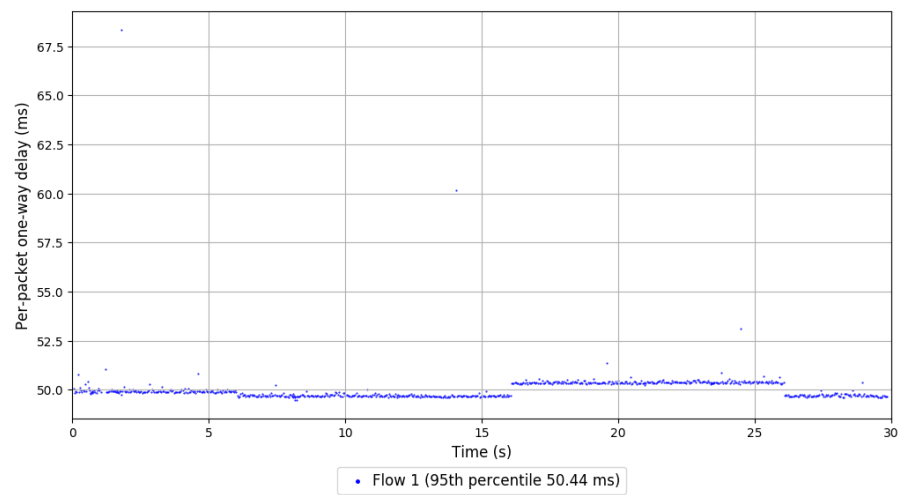
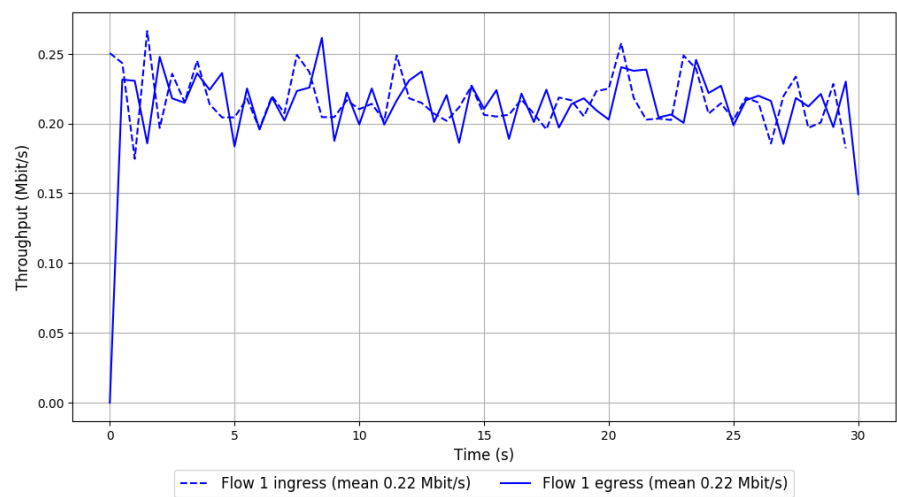
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.442 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

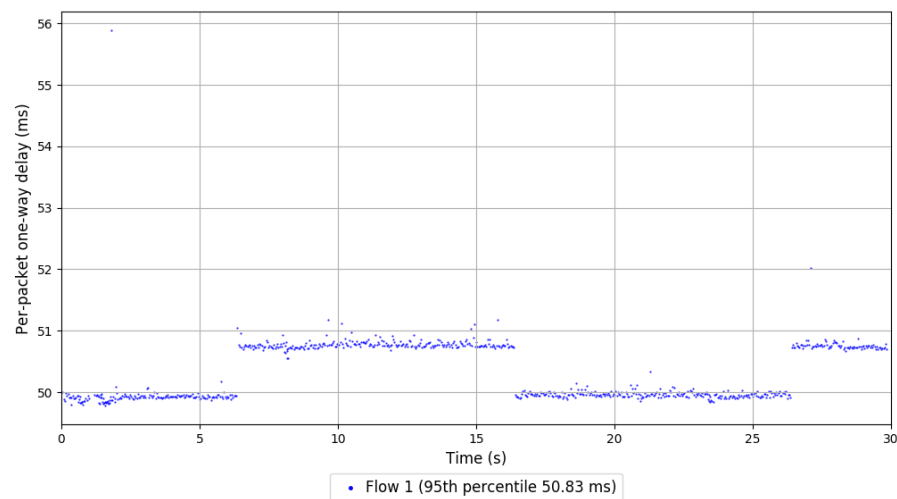
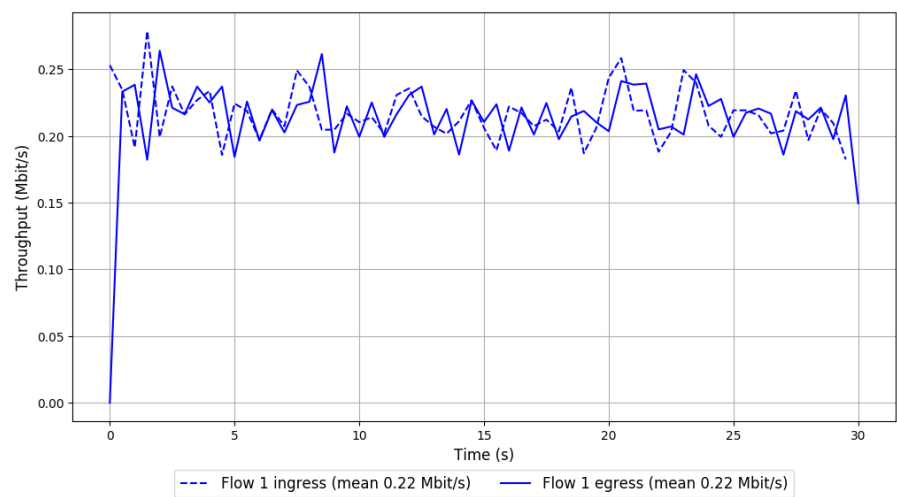


Run 5: Statistics of SCReAM

Start at: 2018-07-20 15:51:39
End at: 2018-07-20 15:52:09
Local clock offset: -0.05 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.833 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.833 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-20 16:12:56

End at: 2018-07-20 16:13:26

Local clock offset: 0.322 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.39%

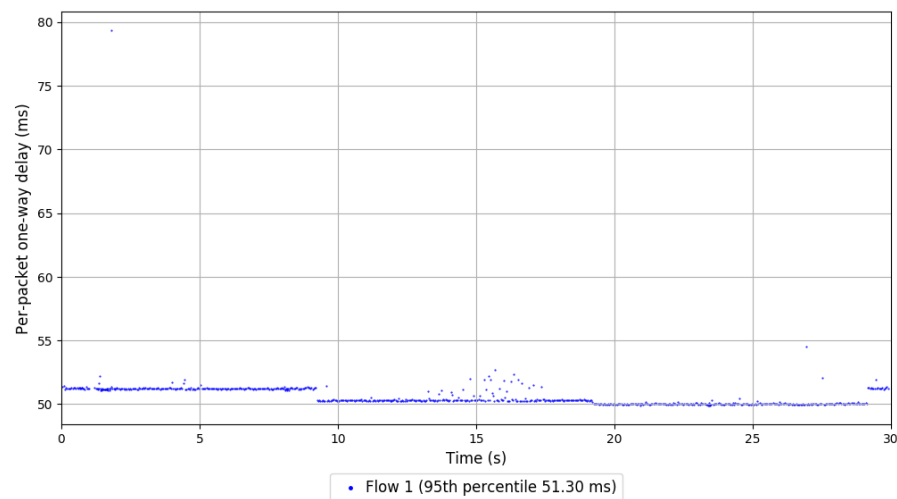
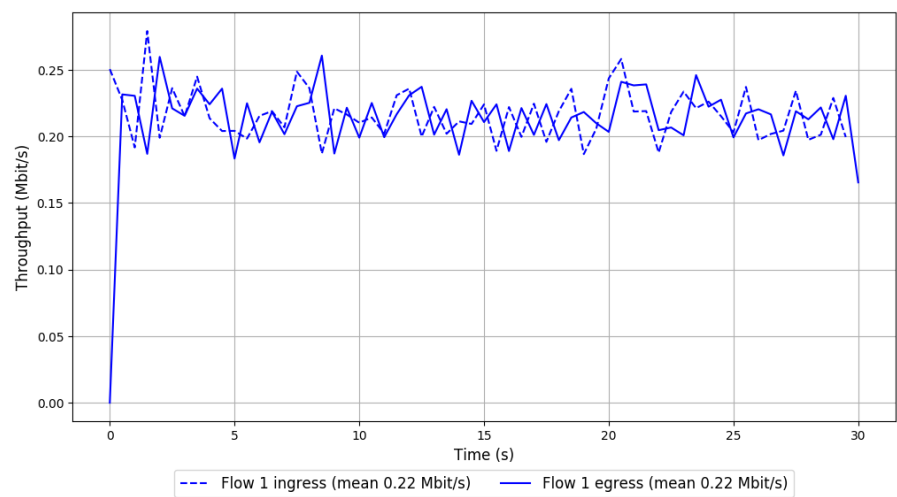
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.39%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-20 16:34:24

End at: 2018-07-20 16:34:54

Local clock offset: -0.383 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.665 ms

Loss rate: 0.26%

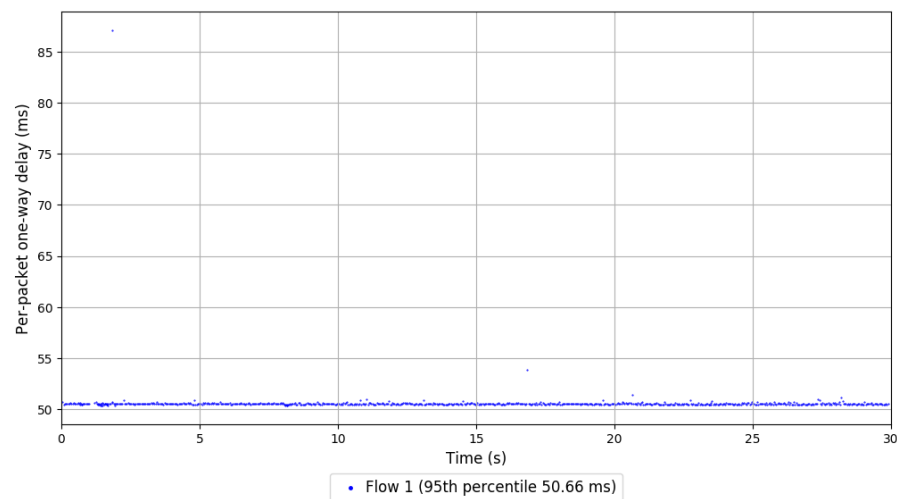
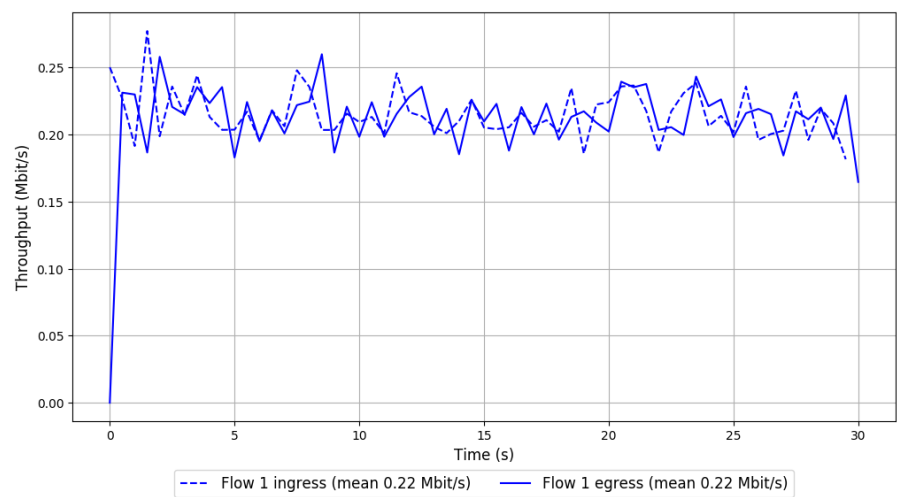
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.665 ms

Loss rate: 0.26%

Run 7: Report of SReAM — Data Link

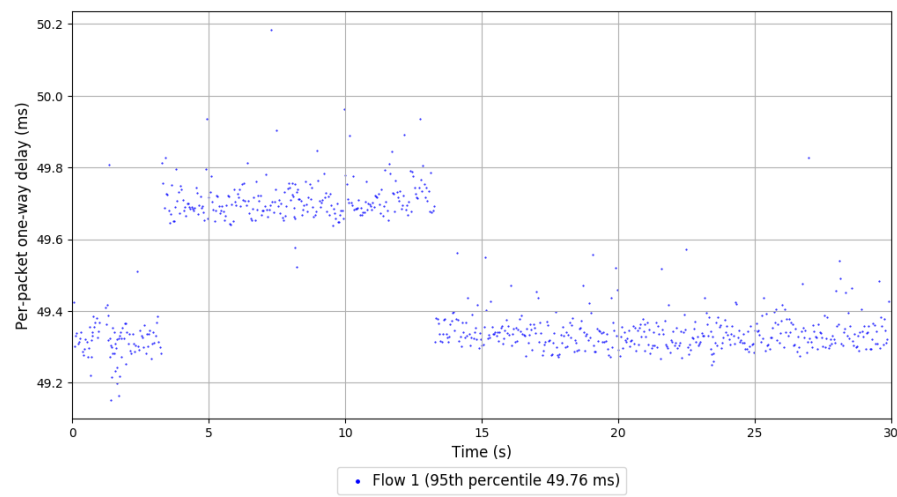
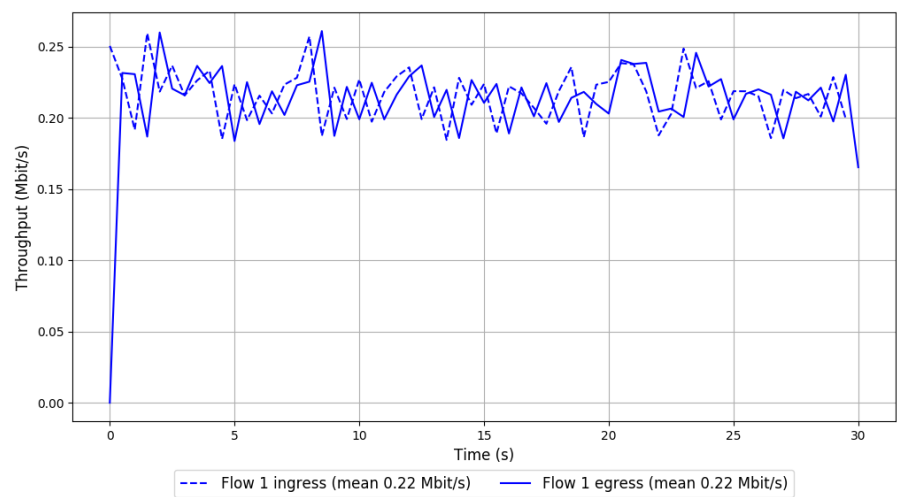


Run 8: Statistics of SCReAM

Start at: 2018-07-20 16:55:52
End at: 2018-07-20 16:56:22
Local clock offset: -0.501 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.756 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.756 ms
Loss rate: 0.39%

Run 8: Report of SReAM — Data Link

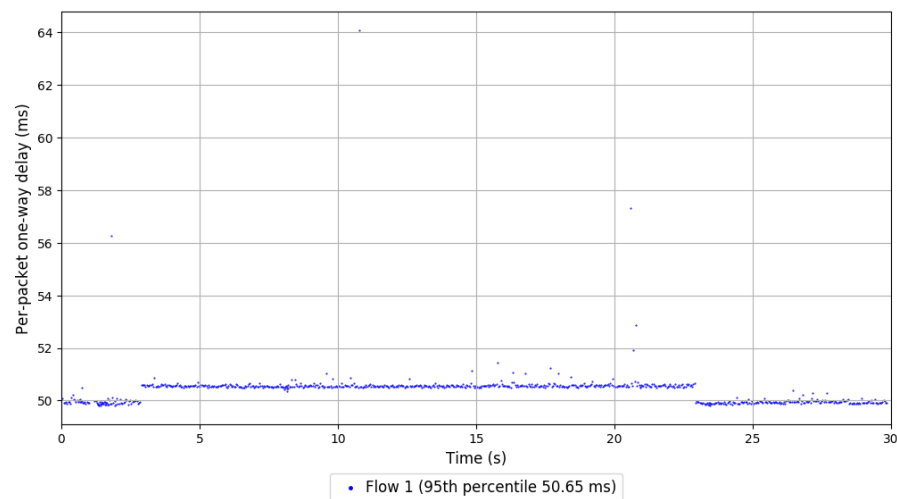
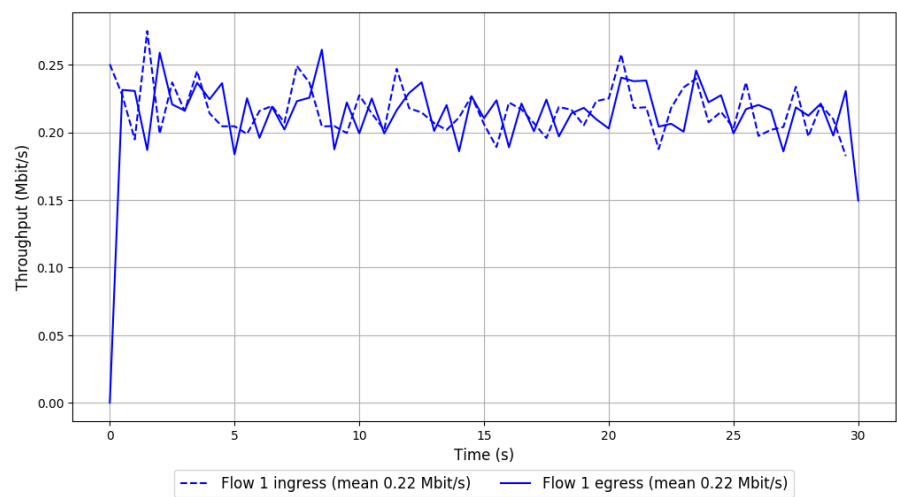


Run 9: Statistics of SCReAM

Start at: 2018-07-20 17:17:12
End at: 2018-07-20 17:17:42
Local clock offset: -0.159 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.650 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.650 ms
Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-20 17:38:50

End at: 2018-07-20 17:39:20

Local clock offset: -0.099 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.722 ms

Loss rate: 0.38%

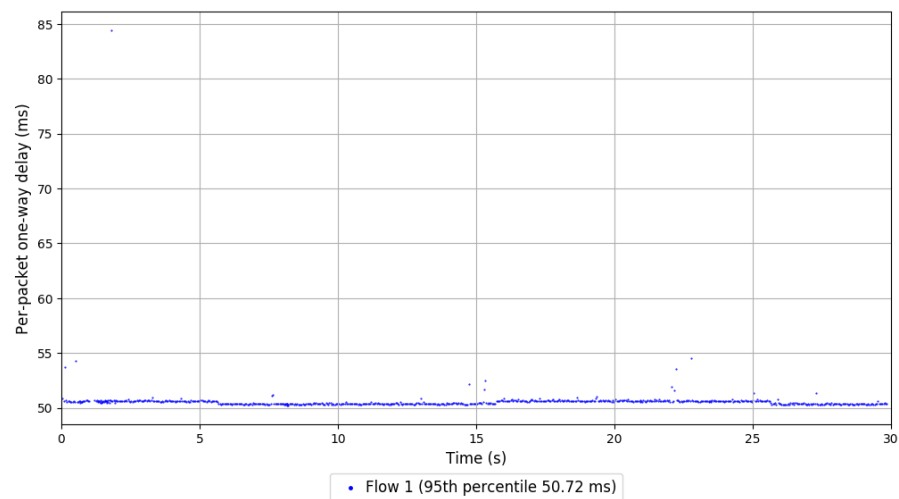
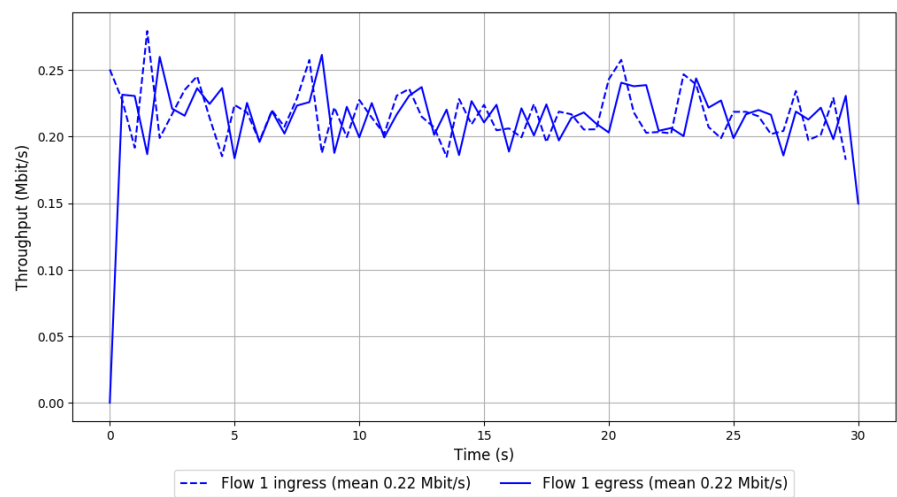
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.722 ms

Loss rate: 0.38%

Run 10: Report of SCReAM — Data Link

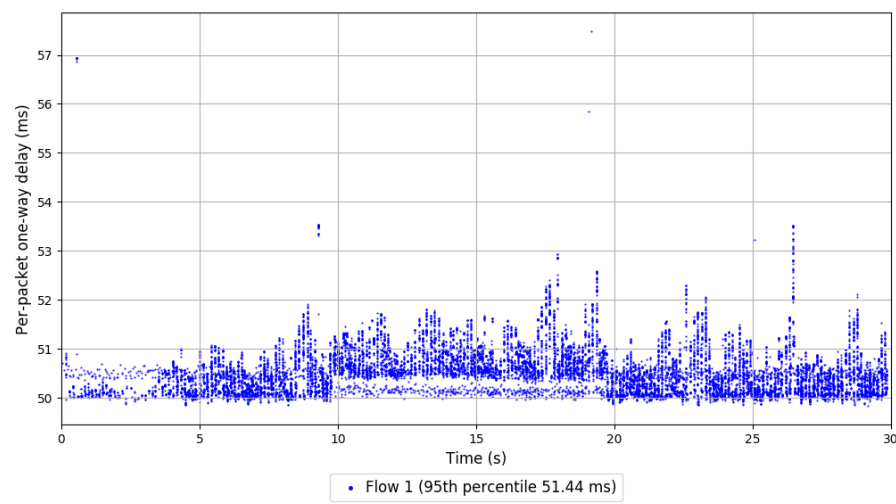
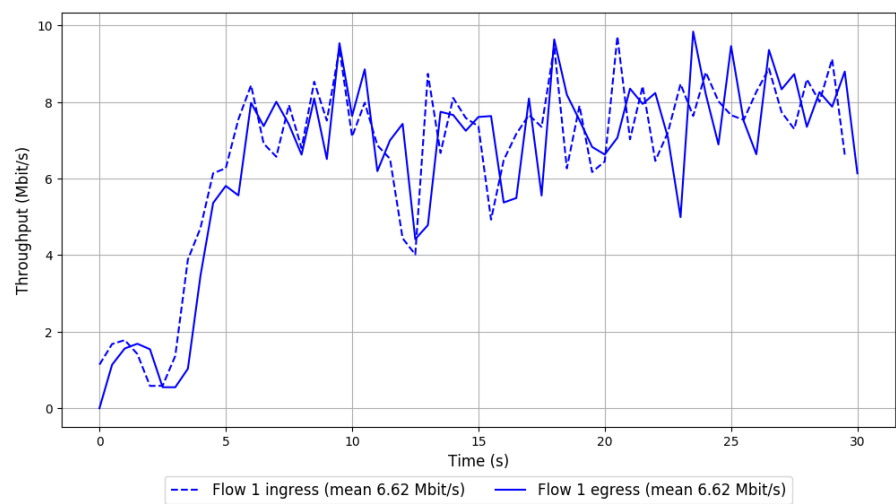


Run 1: Statistics of Sprout

Start at: 2018-07-20 14:39:35
End at: 2018-07-20 14:40:05
Local clock offset: -0.512 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 51.439 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 51.439 ms
Loss rate: 0.37%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-20 15:01:11

End at: 2018-07-20 15:01:41

Local clock offset: -0.005 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 51.409 ms

Loss rate: 0.32%

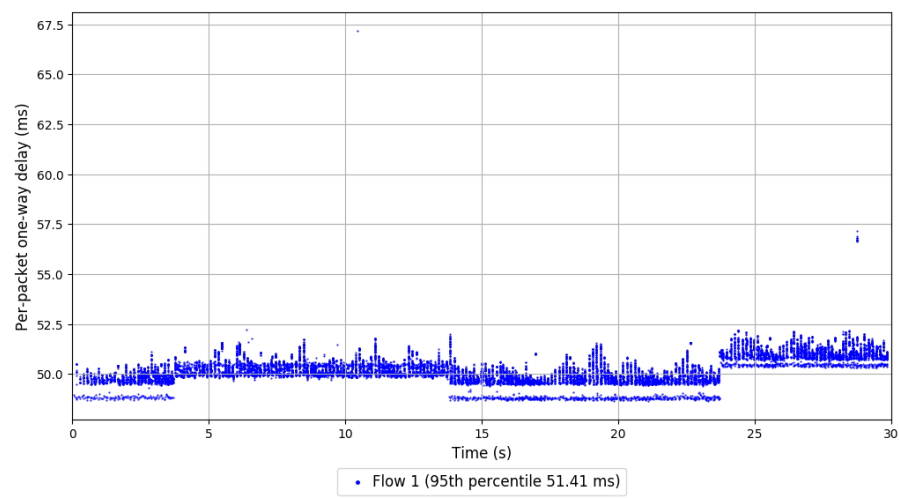
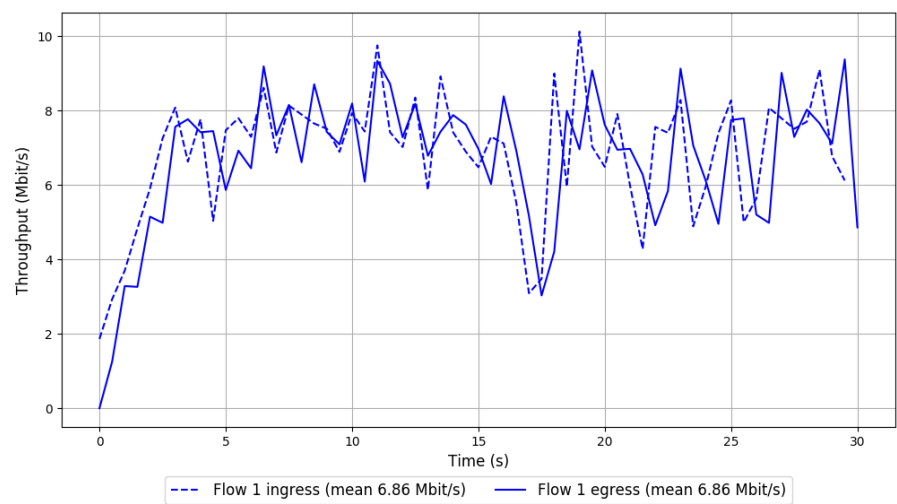
-- Flow 1:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 51.409 ms

Loss rate: 0.32%

Run 2: Report of Sprout — Data Link

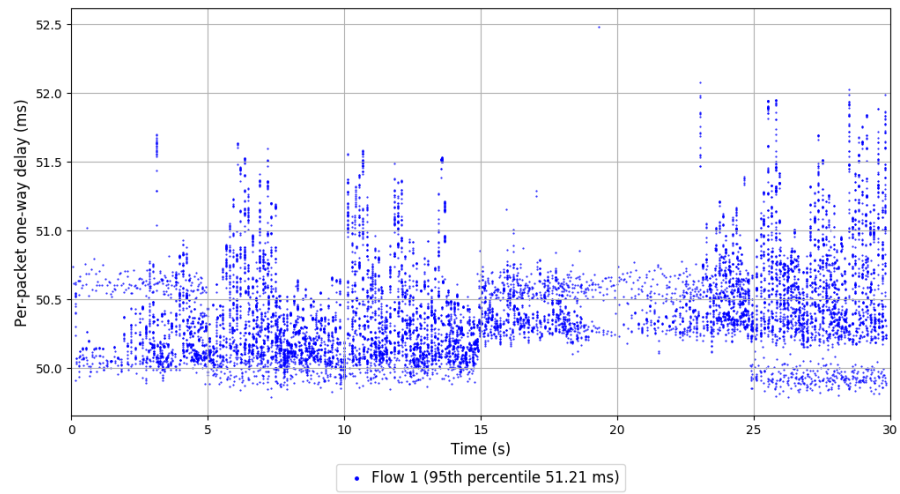
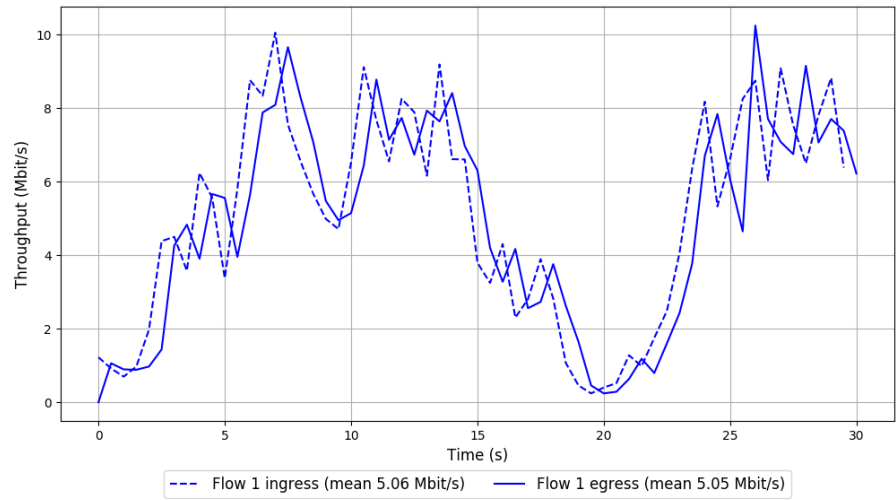


Run 3: Statistics of Sprout

Start at: 2018-07-20 15:22:30
End at: 2018-07-20 15:23:00
Local clock offset: 0.305 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 51.206 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 51.206 ms
Loss rate: 0.61%

Run 3: Report of Sprout — Data Link

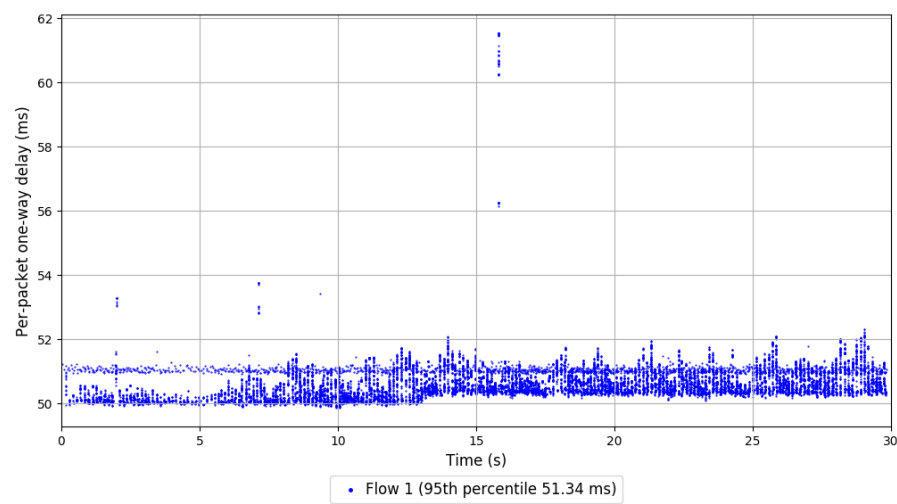
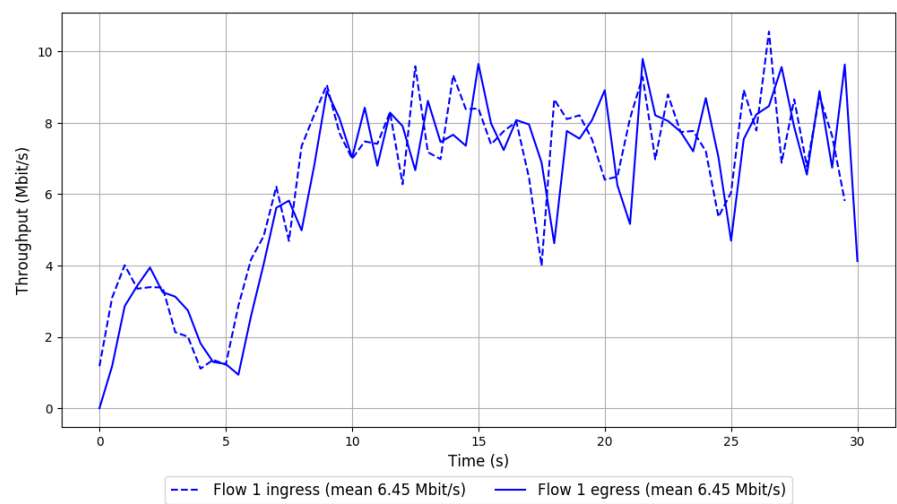


Run 4: Statistics of Sprout

Start at: 2018-07-20 15:44:02
End at: 2018-07-20 15:44:32
Local clock offset: 0.323 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 51.342 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 51.342 ms
Loss rate: 0.44%

Run 4: Report of Sprout — Data Link

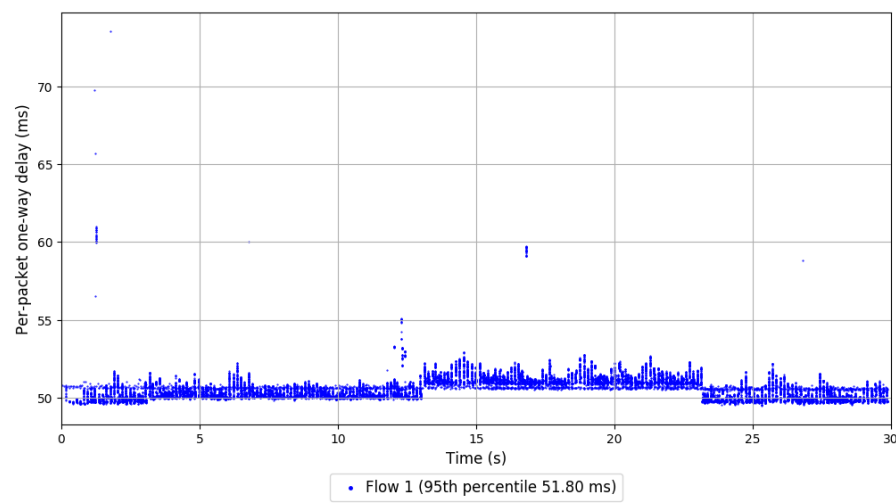
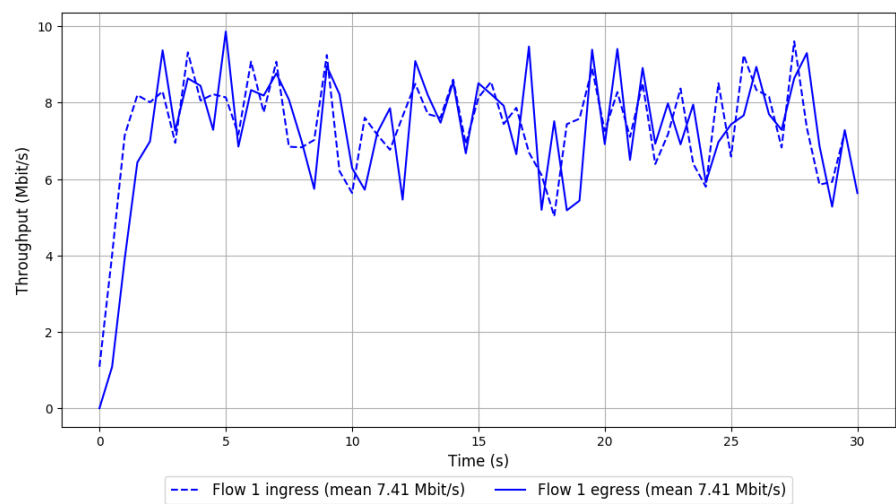


Run 5: Statistics of Sprout

Start at: 2018-07-20 16:05:22
End at: 2018-07-20 16:05:52
Local clock offset: 0.003 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 0.36%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-20 16:26:56

End at: 2018-07-20 16:27:26

Local clock offset: -0.0 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 51.675 ms

Loss rate: 0.24%

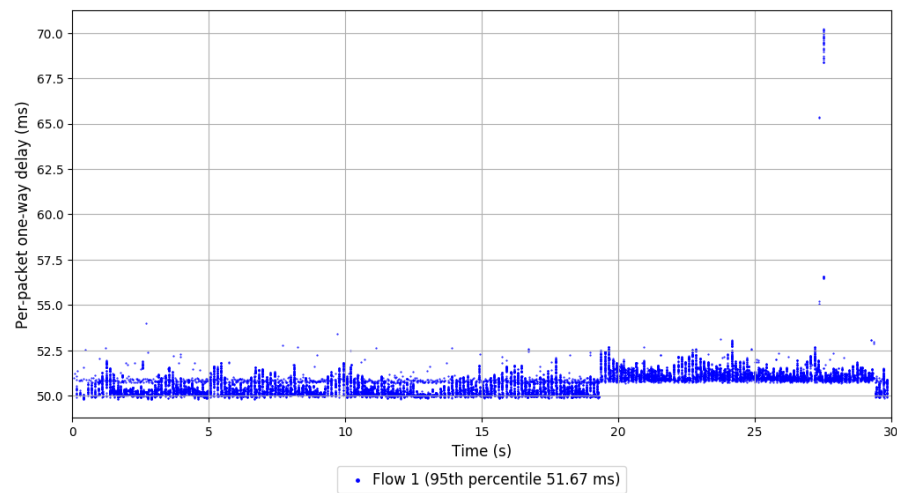
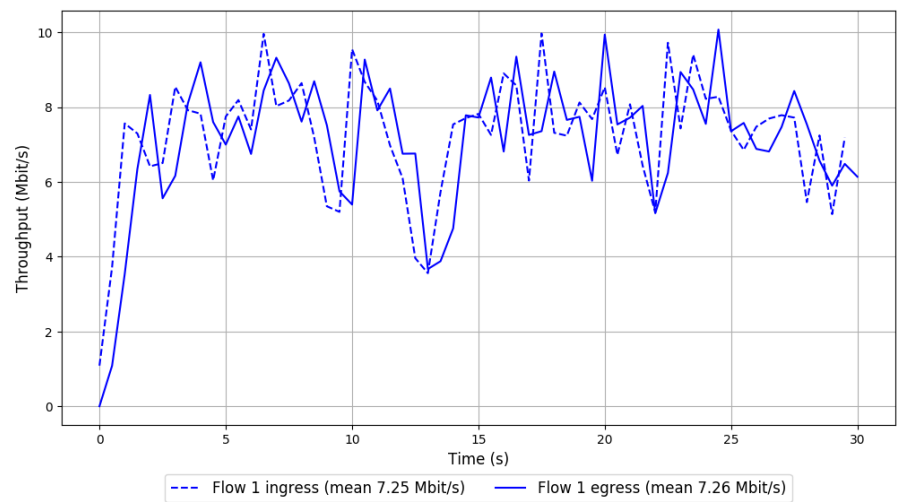
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 51.675 ms

Loss rate: 0.24%

Run 6: Report of Sprout — Data Link

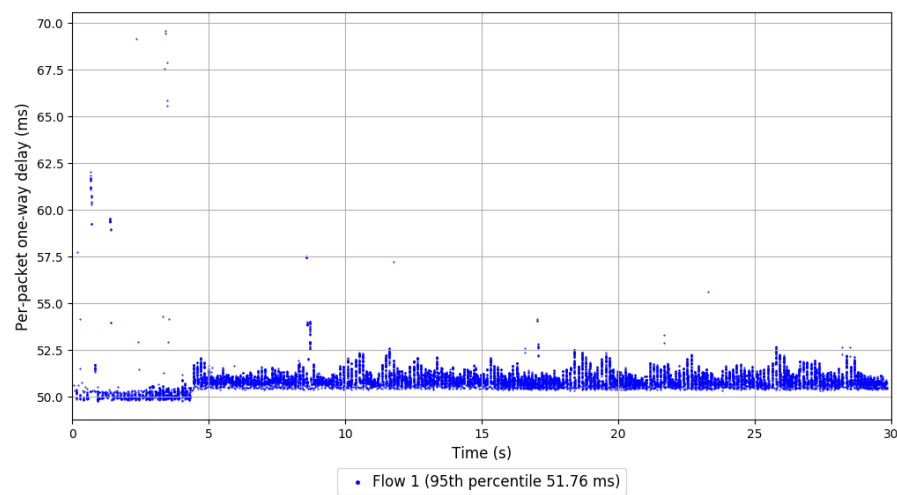
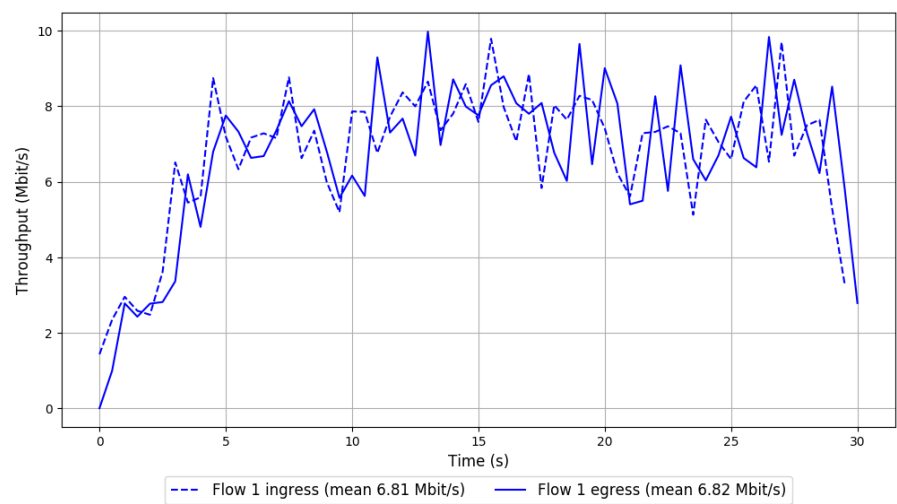


Run 7: Statistics of Sprout

Start at: 2018-07-20 16:48:21
End at: 2018-07-20 16:48:51
Local clock offset: -0.165 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.18%

Run 7: Report of Sprout — Data Link

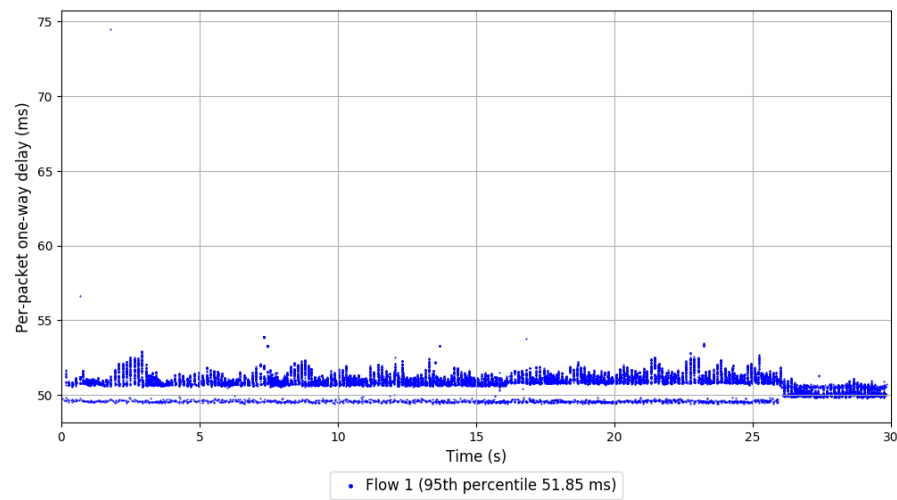
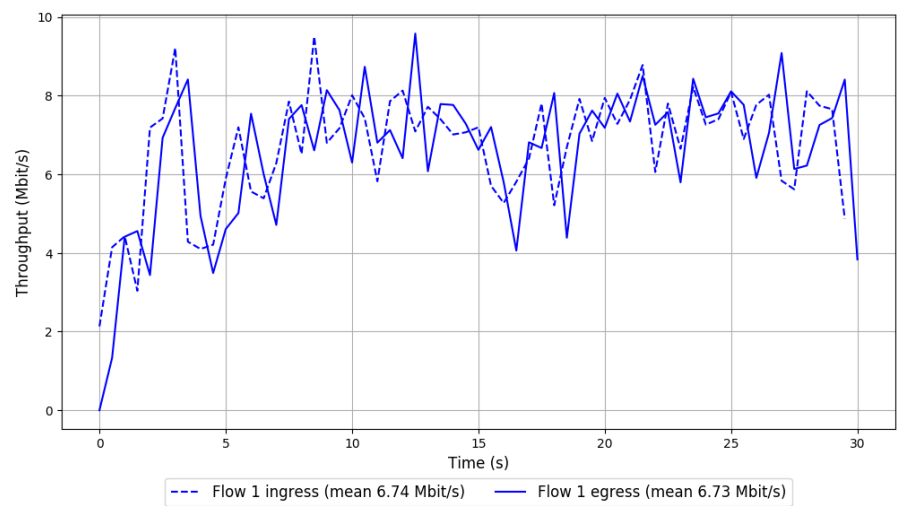


Run 8: Statistics of Sprout

Start at: 2018-07-20 17:09:39
End at: 2018-07-20 17:10:09
Local clock offset: -0.168 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.38%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-20 17:31:15

End at: 2018-07-20 17:31:45

Local clock offset: -0.123 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-20 19:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 51.423 ms

Loss rate: 0.23%

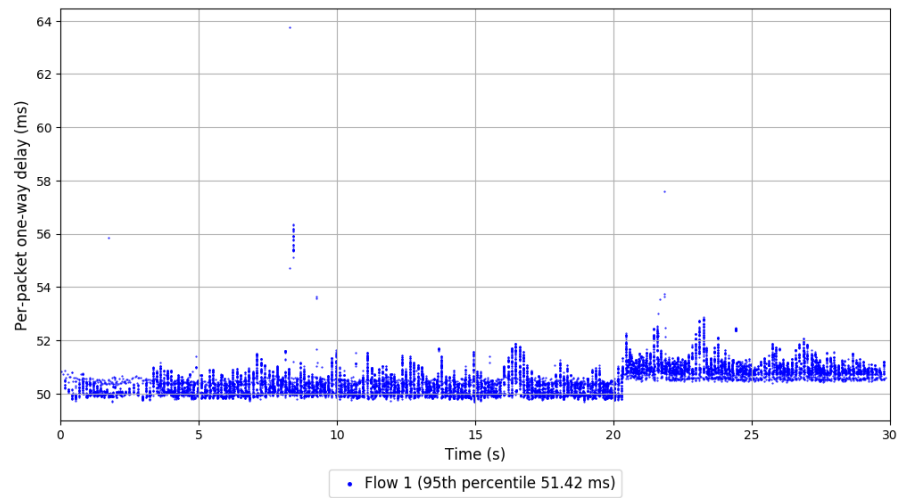
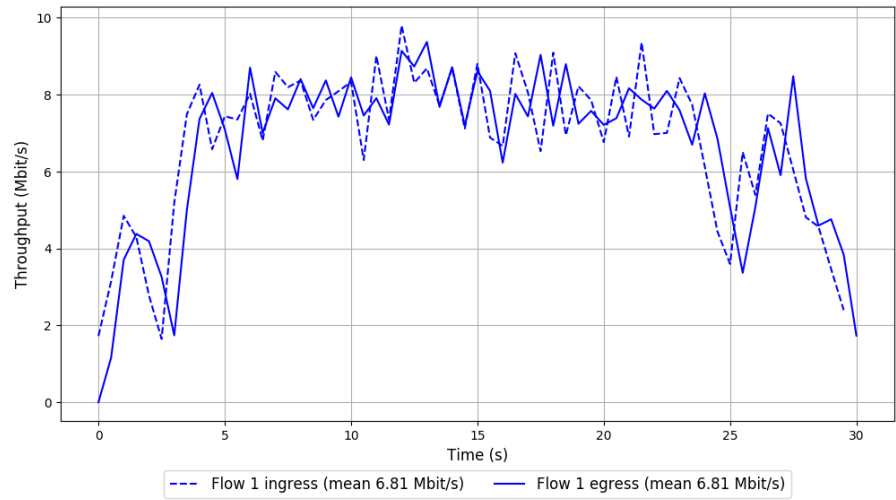
-- Flow 1:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 51.423 ms

Loss rate: 0.23%

Run 9: Report of Sprout — Data Link

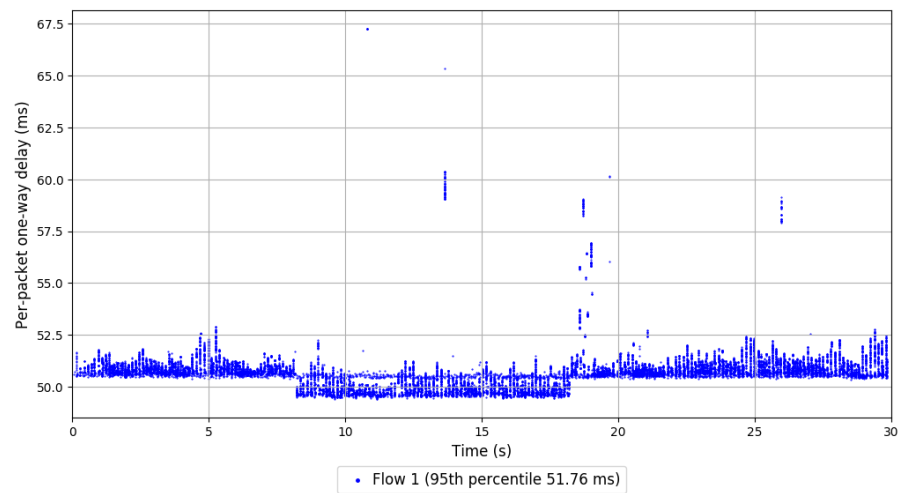
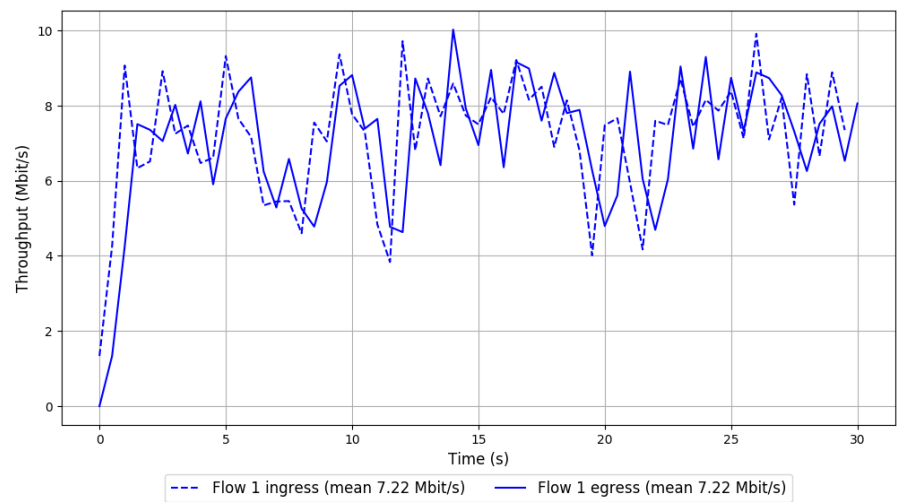


Run 10: Statistics of Sprout

Start at: 2018-07-20 17:52:37
End at: 2018-07-20 17:53:07
Local clock offset: -0.456 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-20 19:09:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 51.761 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 51.761 ms
Loss rate: 0.38%

Run 10: Report of Sprout — Data Link

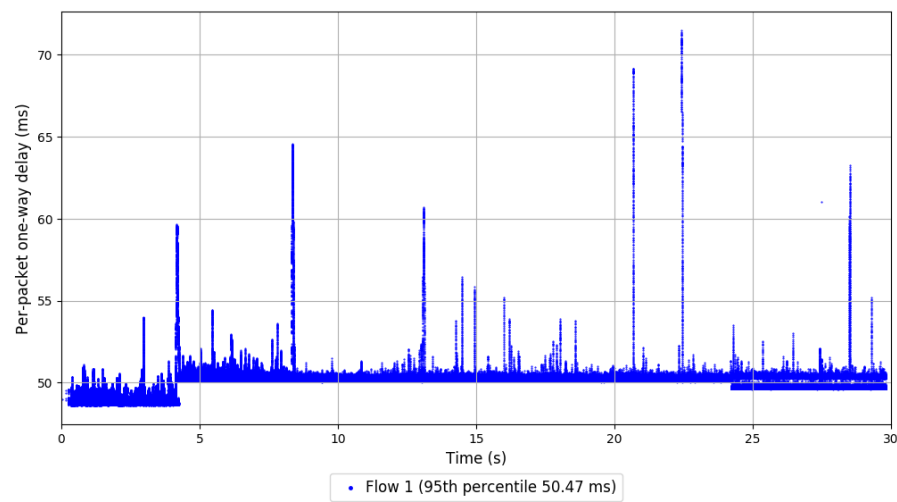
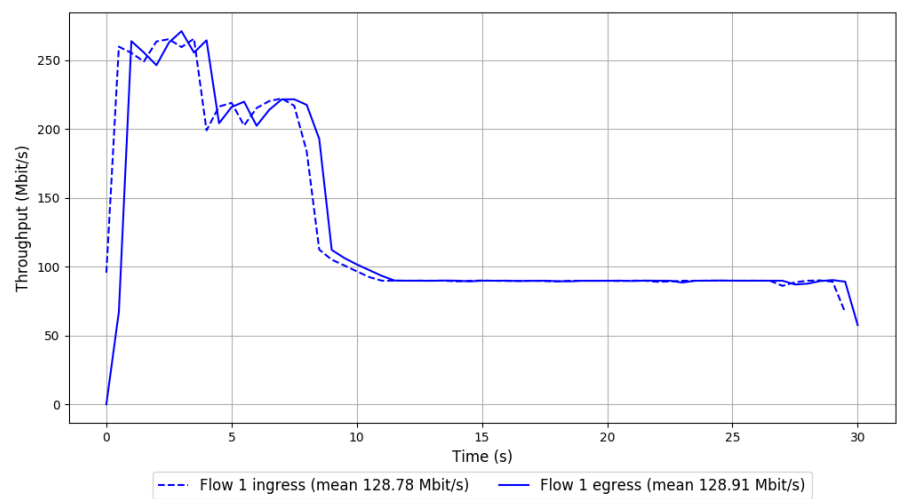


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-20 14:27:01
End at: 2018-07-20 14:27:31
Local clock offset: -0.483 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 19:10:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.91 Mbit/s
95th percentile per-packet one-way delay: 50.471 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 128.91 Mbit/s
95th percentile per-packet one-way delay: 50.471 ms
Loss rate: 0.23%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 14:48:13

End at: 2018-07-20 14:48:43

Local clock offset: -0.047 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-20 19:14:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.98 Mbit/s

95th percentile per-packet one-way delay: 51.108 ms

Loss rate: 0.37%

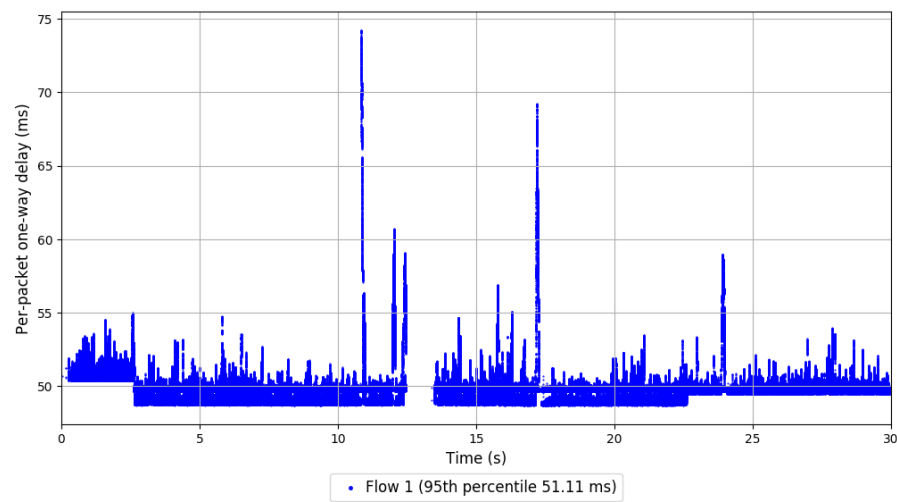
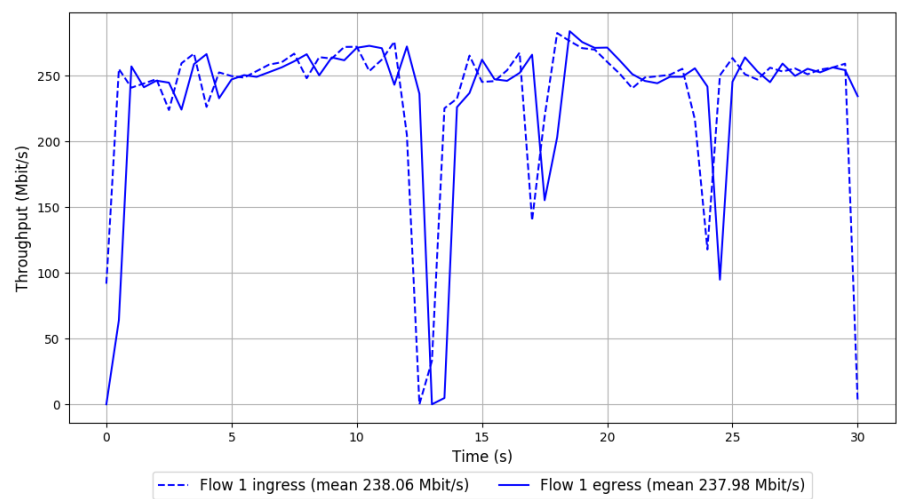
-- Flow 1:

Average throughput: 237.98 Mbit/s

95th percentile per-packet one-way delay: 51.108 ms

Loss rate: 0.37%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-20 15:09:48

End at: 2018-07-20 15:10:18

Local clock offset: 0.293 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-20 19:14:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.60 Mbit/s

95th percentile per-packet one-way delay: 51.199 ms

Loss rate: 0.43%

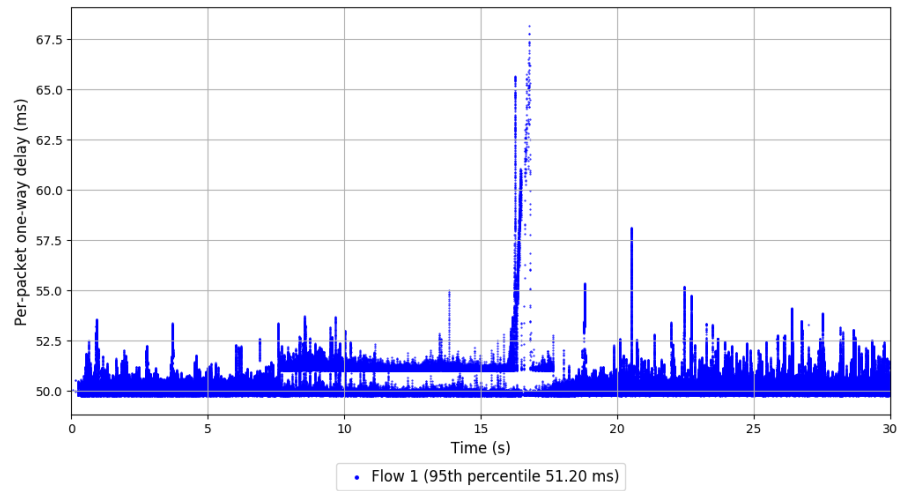
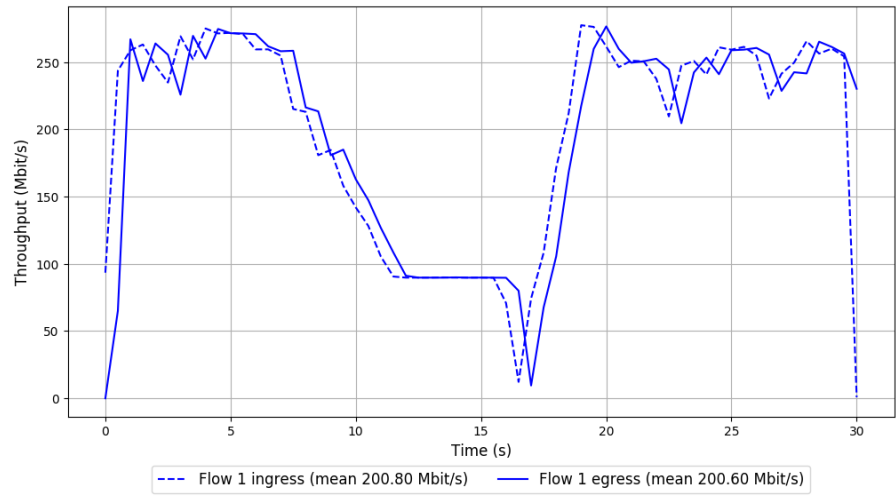
-- Flow 1:

Average throughput: 200.60 Mbit/s

95th percentile per-packet one-way delay: 51.199 ms

Loss rate: 0.43%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 15:31:14

End at: 2018-07-20 15:31:44

Local clock offset: -0.057 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 19:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.84 Mbit/s

95th percentile per-packet one-way delay: 50.431 ms

Loss rate: 0.34%

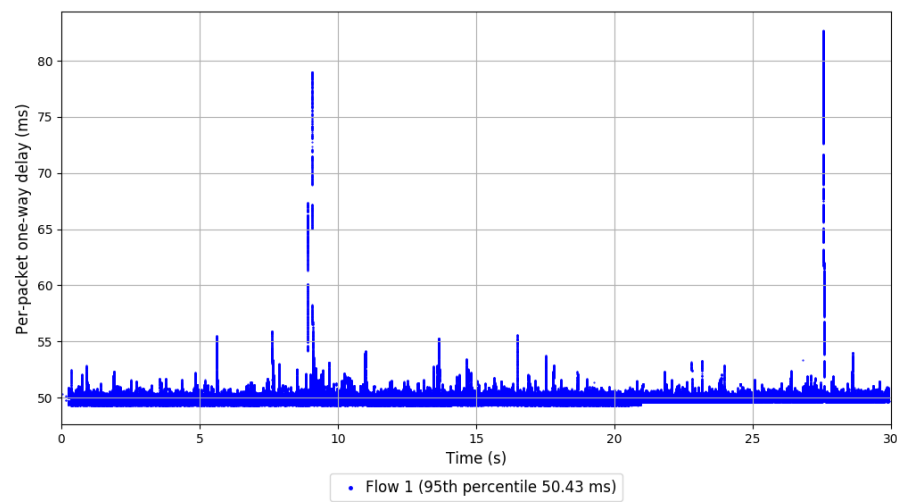
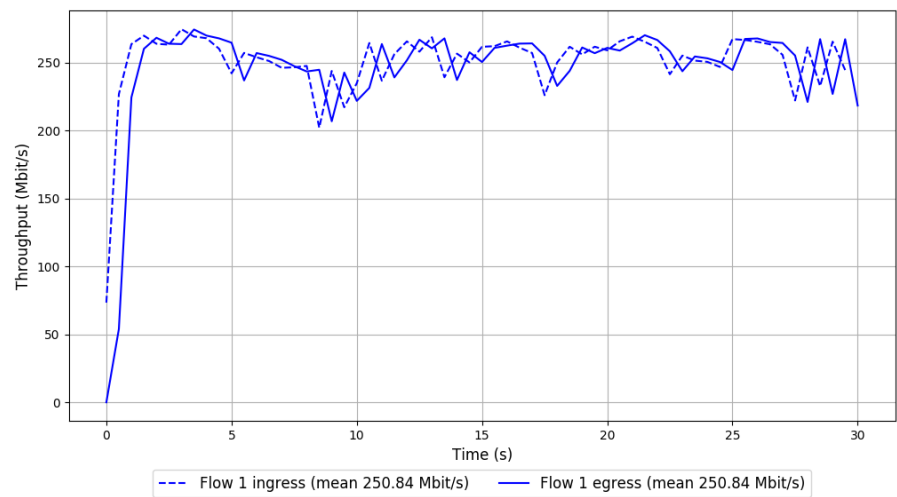
-- Flow 1:

Average throughput: 250.84 Mbit/s

95th percentile per-packet one-way delay: 50.431 ms

Loss rate: 0.34%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-20 15:52:44

End at: 2018-07-20 15:53:14

Local clock offset: -0.09 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-20 19:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.63 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 0.27%

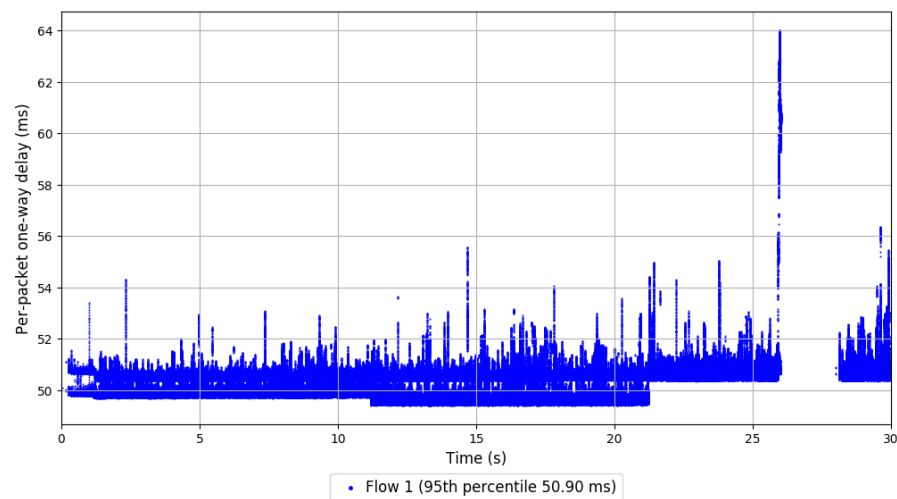
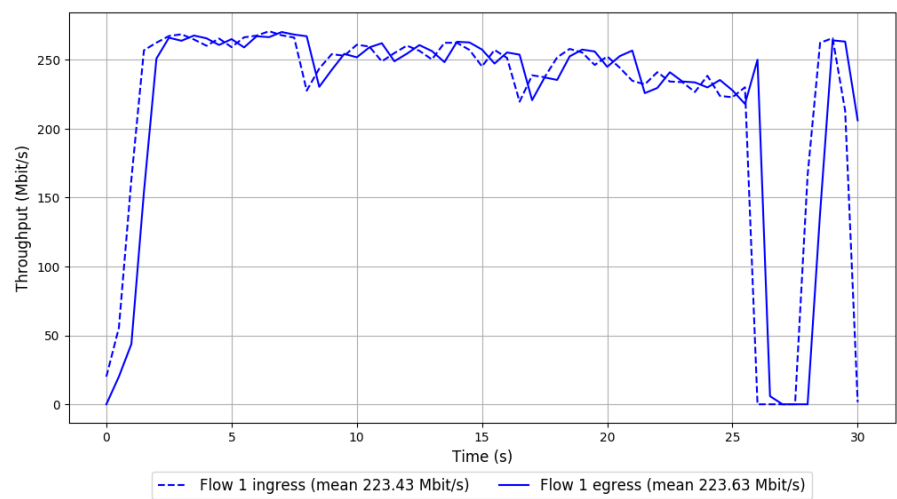
-- Flow 1:

Average throughput: 223.63 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 0.27%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 16:14:01

End at: 2018-07-20 16:14:31

Local clock offset: 0.277 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-20 19:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.12 Mbit/s

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

Loss rate: 0.39%

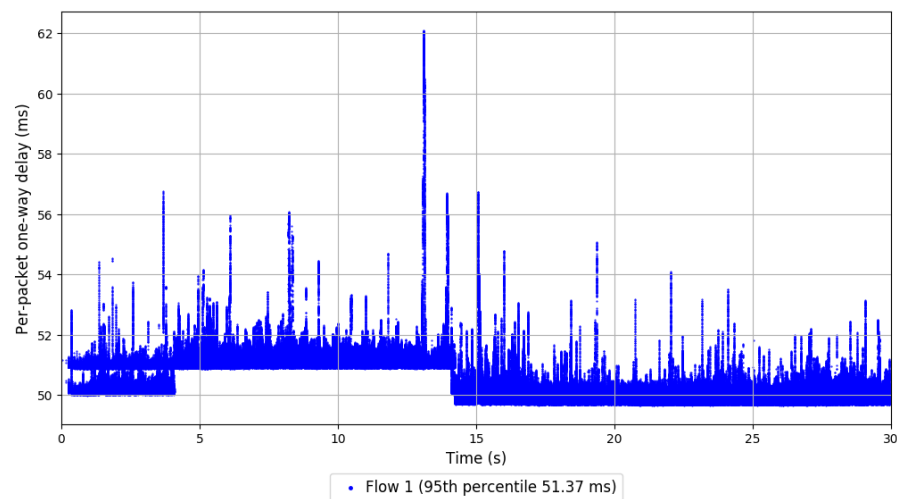
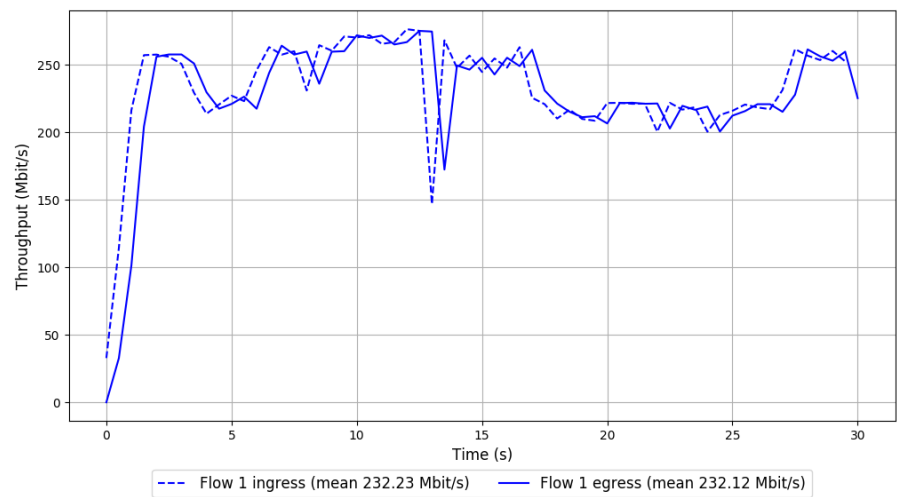
-- Flow 1:

Average throughput: 232.12 Mbit/s

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

Loss rate: 0.39%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-20 16:35:30

End at: 2018-07-20 16:36:00

Local clock offset: -0.031 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-20 19:16:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.97 Mbit/s

95th percentile per-packet one-way delay: 51.343 ms

Loss rate: 0.33%

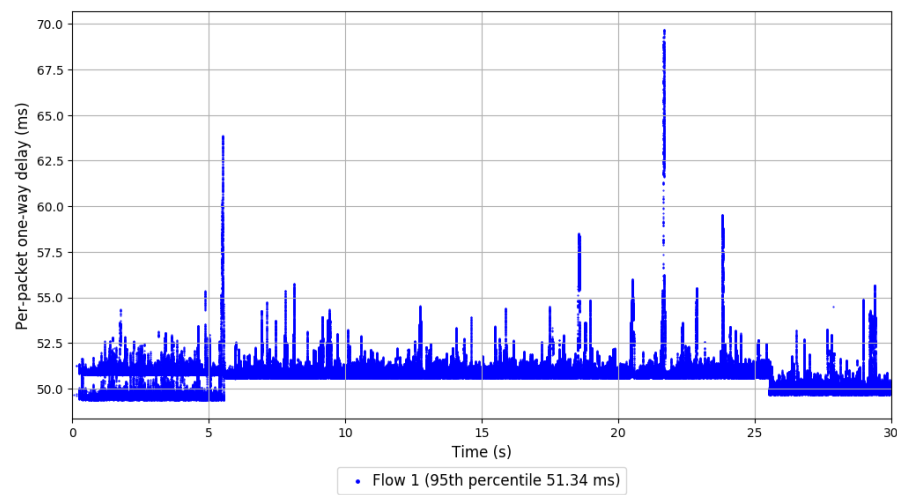
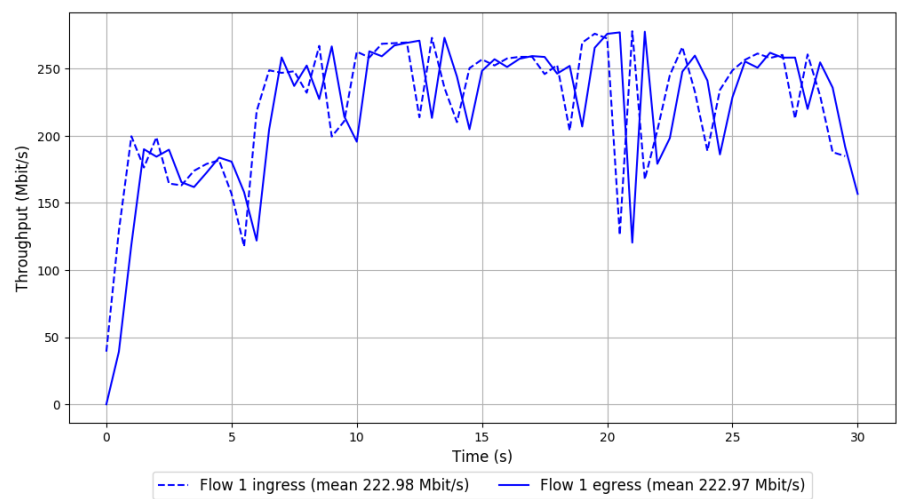
-- Flow 1:

Average throughput: 222.97 Mbit/s

95th percentile per-packet one-way delay: 51.343 ms

Loss rate: 0.33%

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

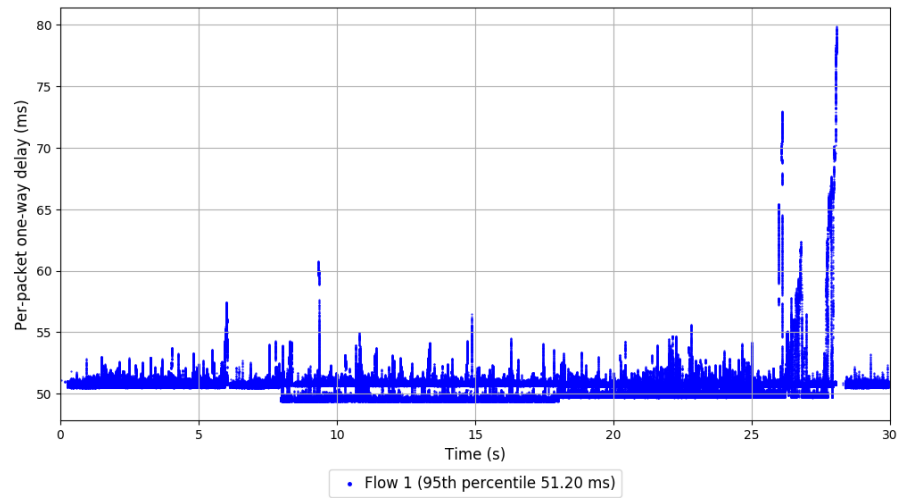
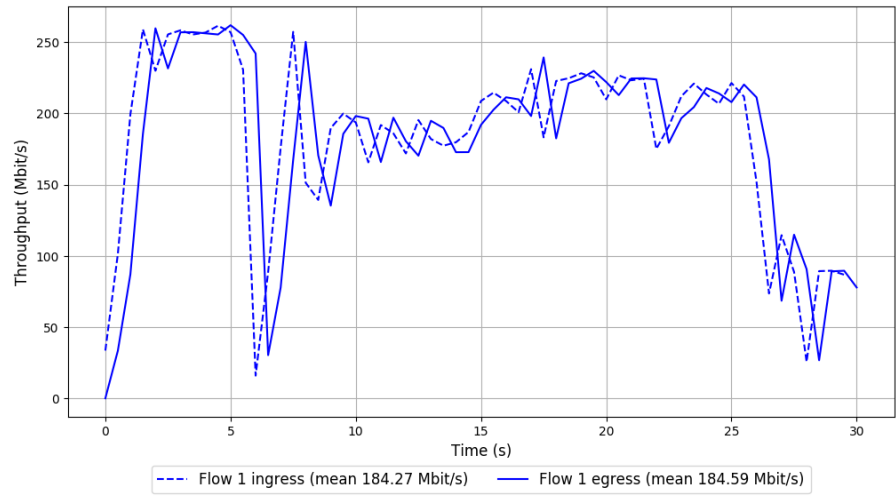


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-20 16:56:57
End at: 2018-07-20 16:57:27
Local clock offset: -0.183 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-20 19:16:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.59 Mbit/s
95th percentile per-packet one-way delay: 51.195 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 184.59 Mbit/s
95th percentile per-packet one-way delay: 51.195 ms
Loss rate: 0.16%

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

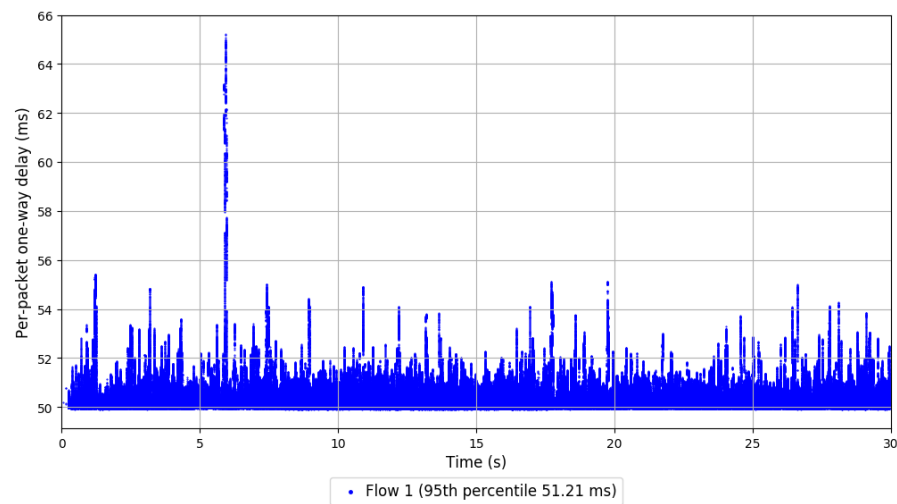
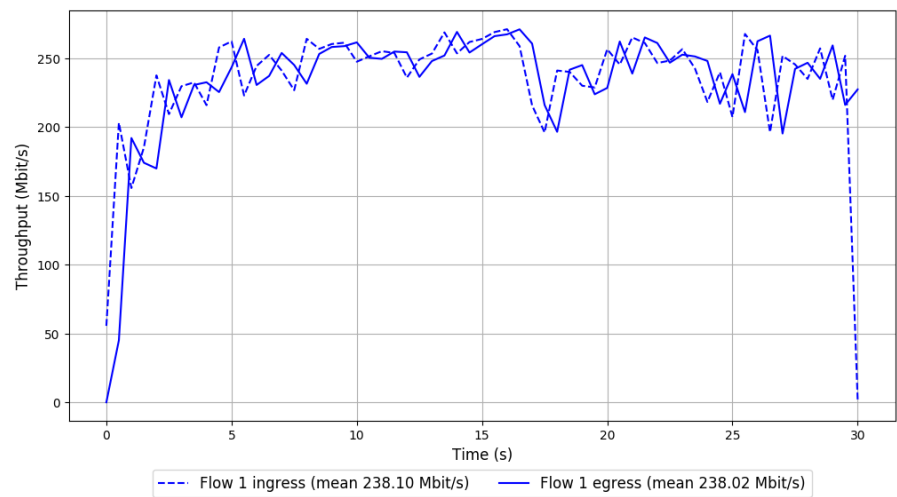


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 17:18:17
End at: 2018-07-20 17:18:47
Local clock offset: -0.563 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 19:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.02 Mbit/s
95th percentile per-packet one-way delay: 51.210 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 238.02 Mbit/s
95th percentile per-packet one-way delay: 51.210 ms
Loss rate: 0.37%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 17:39:55

End at: 2018-07-20 17:40:25

Local clock offset: -0.469 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-20 19:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.77 Mbit/s

95th percentile per-packet one-way delay: 51.399 ms

Loss rate: 0.21%

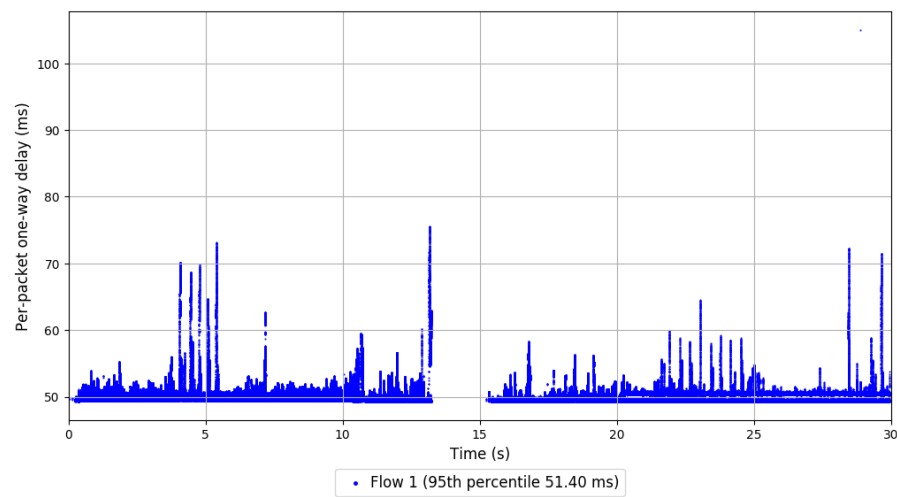
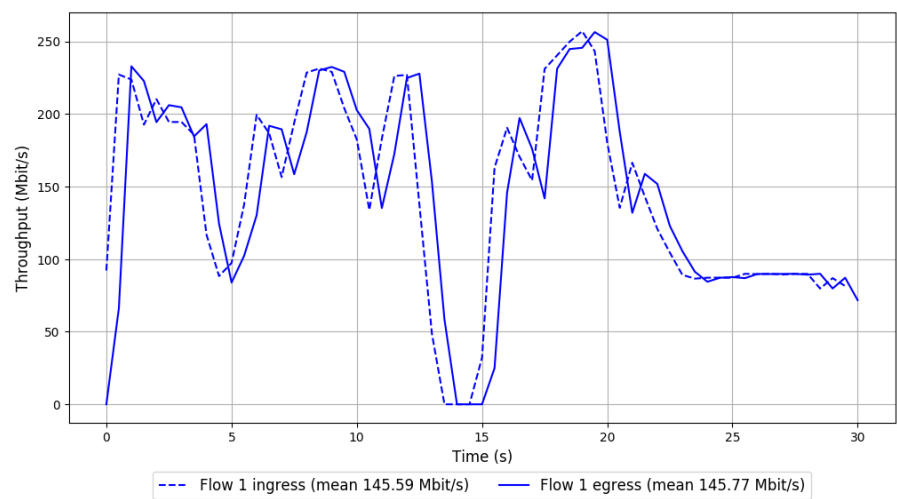
-- Flow 1:

Average throughput: 145.77 Mbit/s

95th percentile per-packet one-way delay: 51.399 ms

Loss rate: 0.21%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 14:28:17

End at: 2018-07-20 14:28:47

Local clock offset: -0.411 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 19:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.14 Mbit/s

95th percentile per-packet one-way delay: 63.040 ms

Loss rate: 0.12%

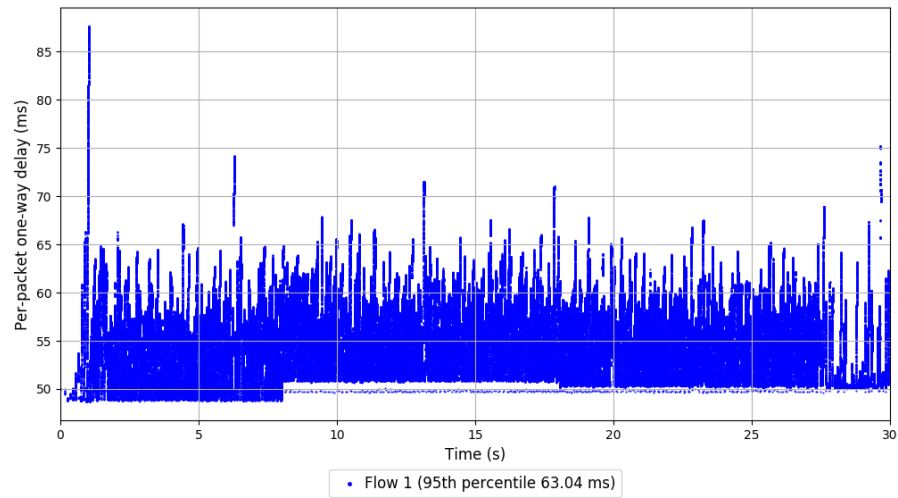
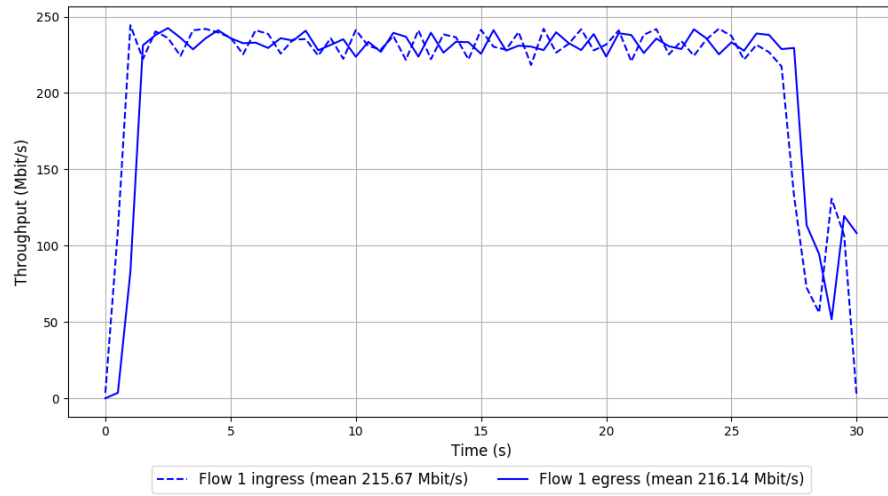
-- Flow 1:

Average throughput: 216.14 Mbit/s

95th percentile per-packet one-way delay: 63.040 ms

Loss rate: 0.12%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 14:49:37

End at: 2018-07-20 14:50:07

Local clock offset: 0.374 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-20 19:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.62 Mbit/s

95th percentile per-packet one-way delay: 63.029 ms

Loss rate: 0.15%

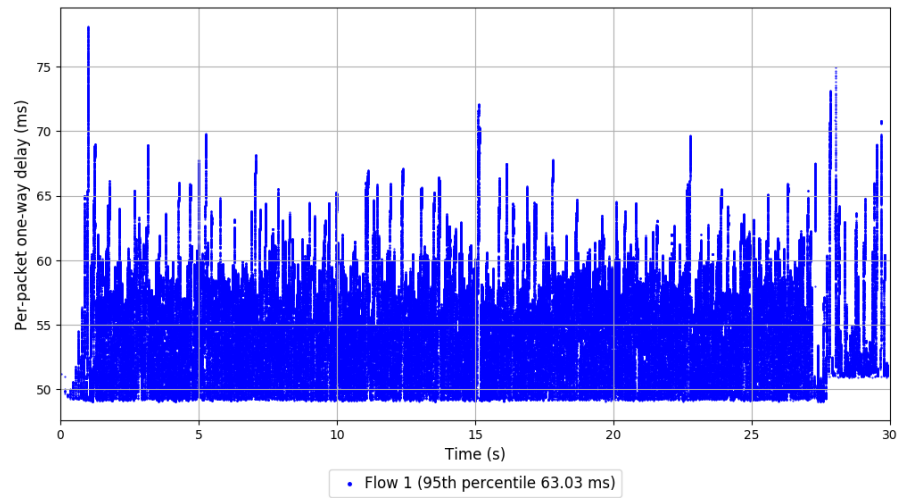
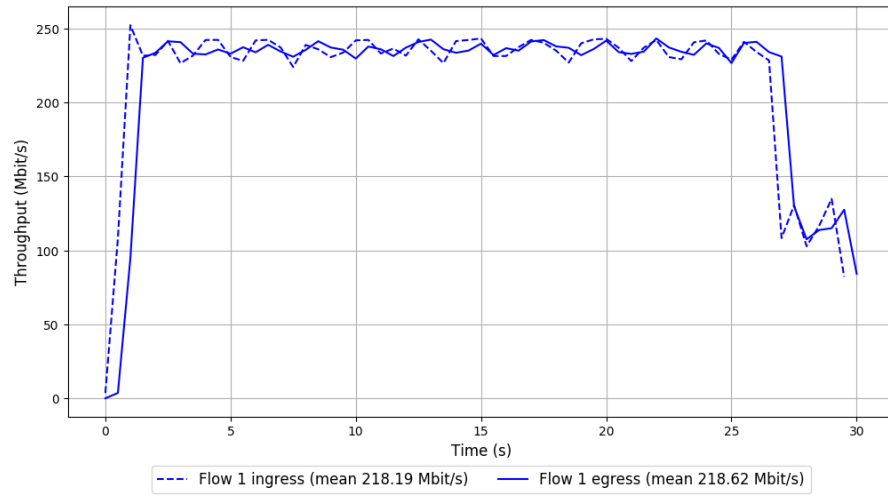
-- Flow 1:

Average throughput: 218.62 Mbit/s

95th percentile per-packet one-way delay: 63.029 ms

Loss rate: 0.15%

Run 2: Report of TCP Vegas — Data Link

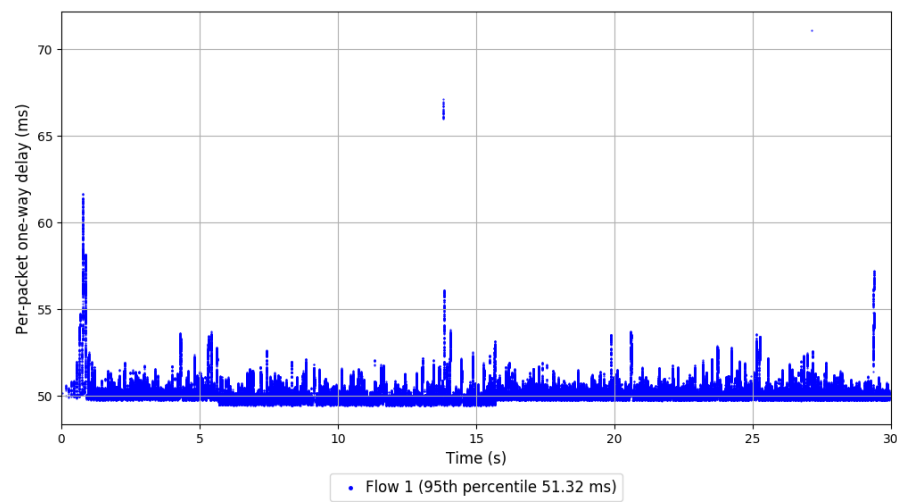
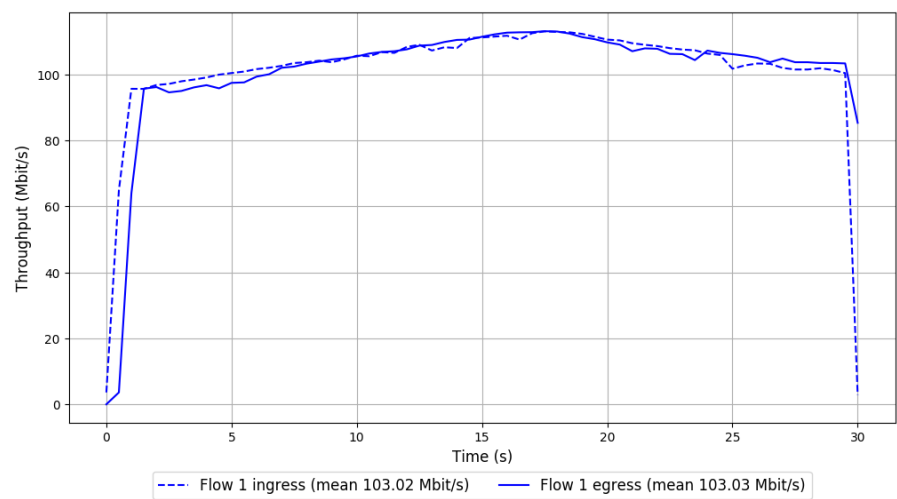


Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 15:11:10
End at: 2018-07-20 15:11:40
Local clock offset: -0.049 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-20 19:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.03 Mbit/s
95th percentile per-packet one-way delay: 51.318 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 103.03 Mbit/s
95th percentile per-packet one-way delay: 51.318 ms
Loss rate: 0.33%

Run 3: Report of TCP Vegas — Data Link

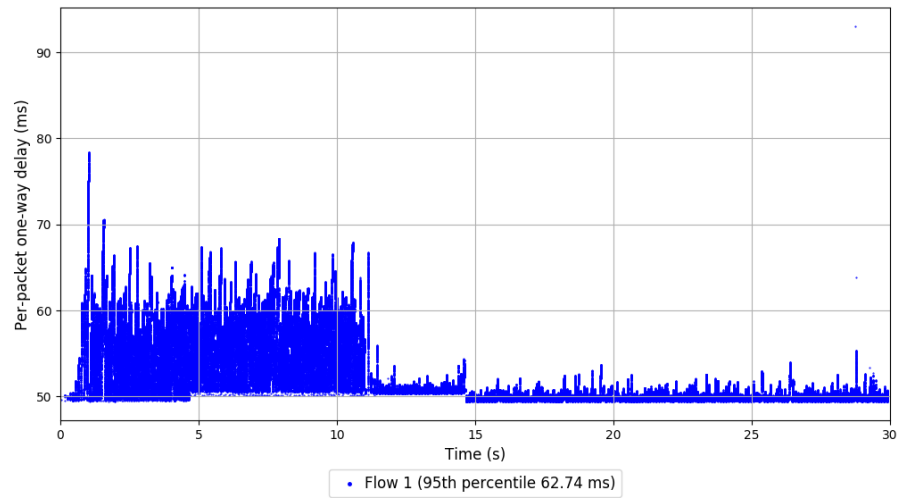
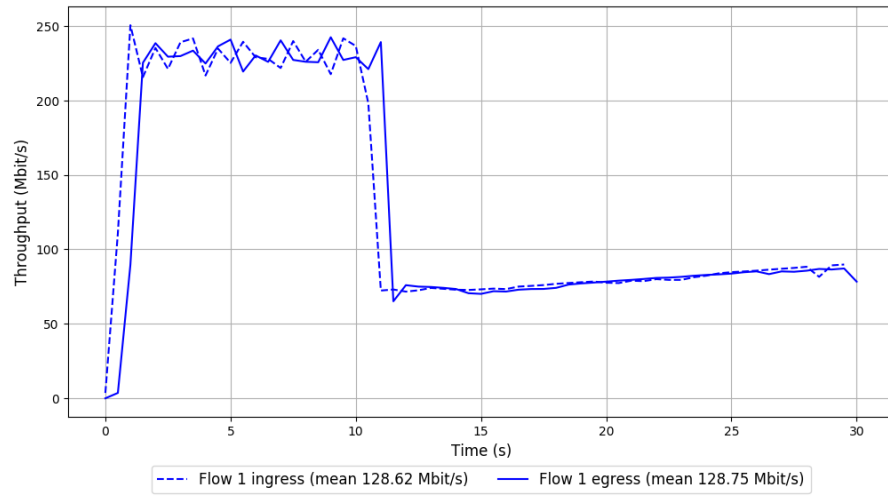


Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 15:32:41
End at: 2018-07-20 15:33:11
Local clock offset: -0.409 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-20 19:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.75 Mbit/s
95th percentile per-packet one-way delay: 62.743 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 128.75 Mbit/s
95th percentile per-packet one-way delay: 62.743 ms
Loss rate: 0.23%

Run 4: Report of TCP Vegas — Data Link

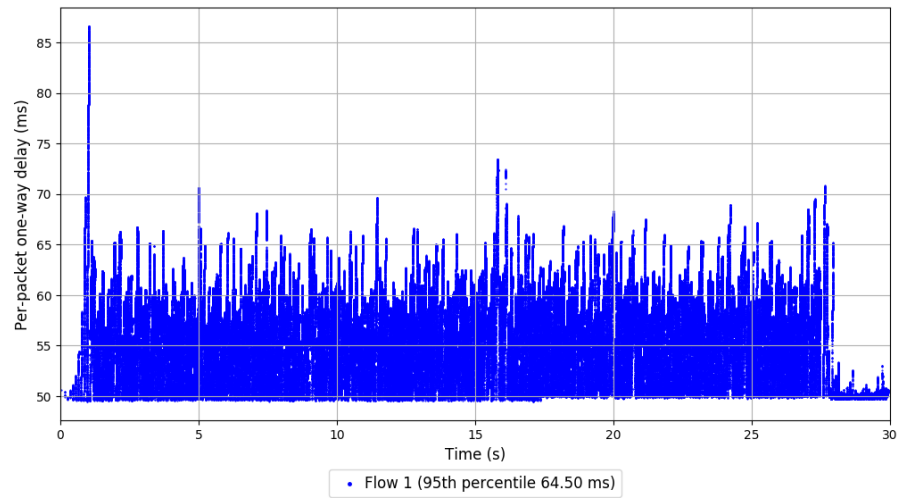
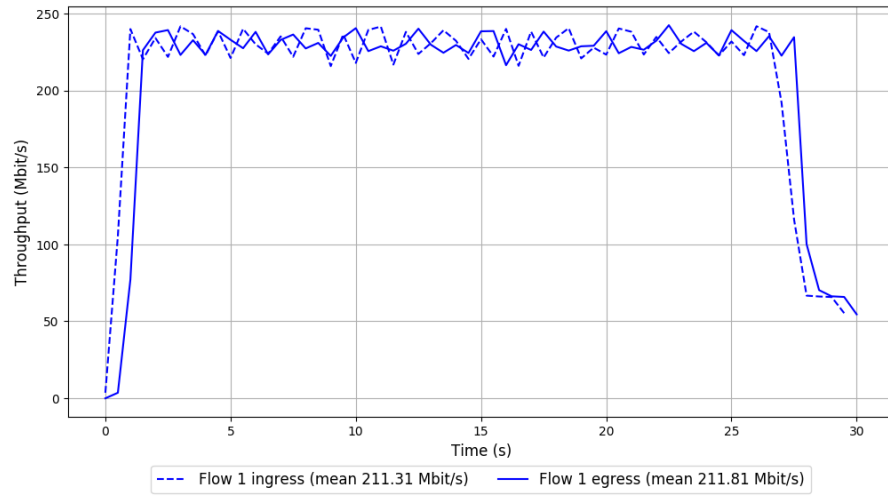


Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 15:54:08
End at: 2018-07-20 15:54:38
Local clock offset: -0.051 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 19:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.81 Mbit/s
95th percentile per-packet one-way delay: 64.496 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 211.81 Mbit/s
95th percentile per-packet one-way delay: 64.496 ms
Loss rate: 0.10%

Run 5: Report of TCP Vegas — Data Link

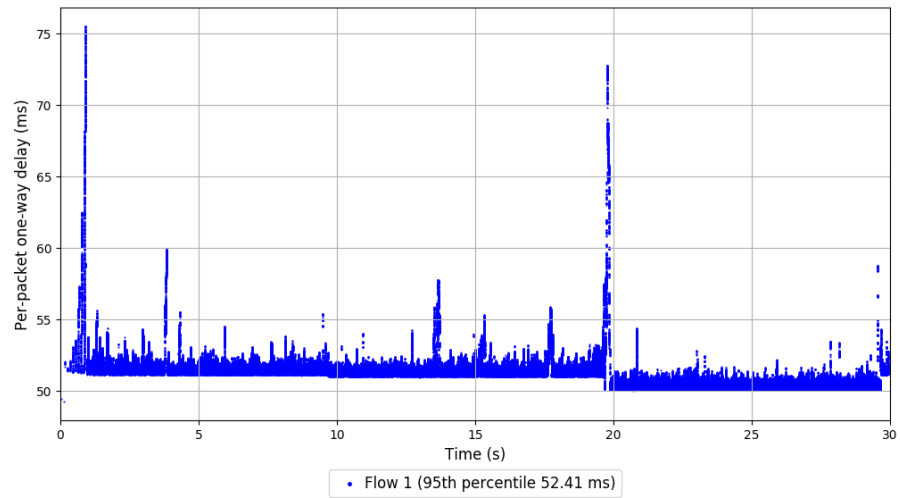
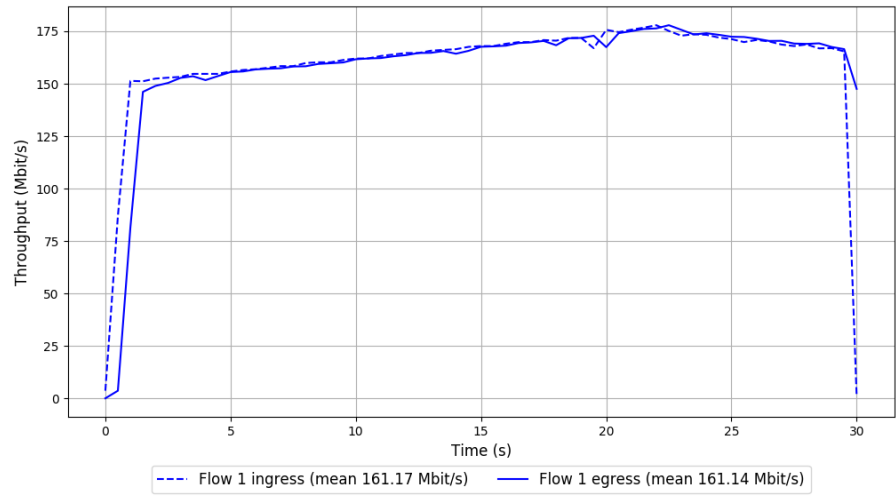


Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 16:15:26
End at: 2018-07-20 16:15:56
Local clock offset: 0.313 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-20 19:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.14 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 161.14 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.34%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 16:36:53

End at: 2018-07-20 16:37:23

Local clock offset: 0.331 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-20 19:19:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.15 Mbit/s

95th percentile per-packet one-way delay: 51.995 ms

Loss rate: 0.37%

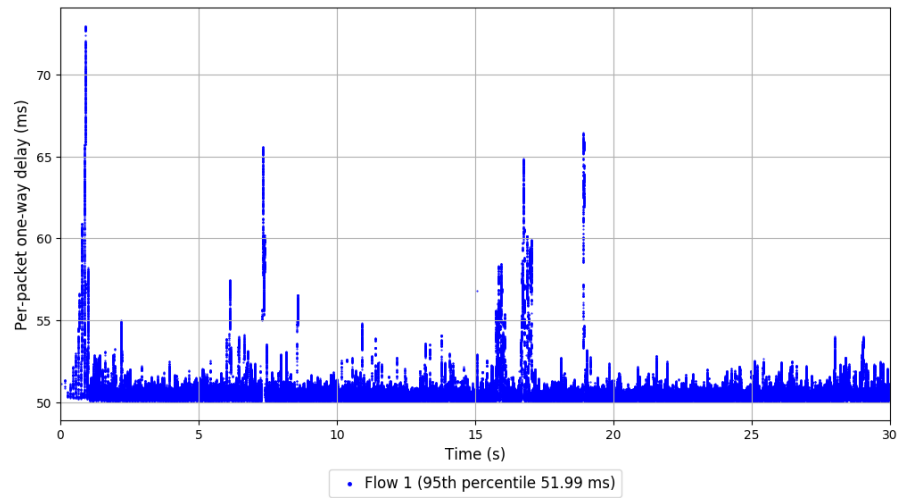
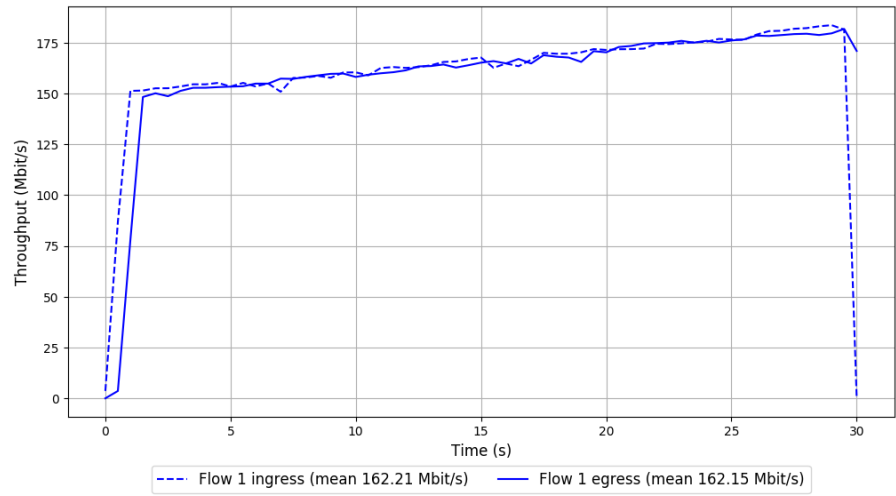
-- Flow 1:

Average throughput: 162.15 Mbit/s

95th percentile per-packet one-way delay: 51.995 ms

Loss rate: 0.37%

Run 7: Report of TCP Vegas — Data Link

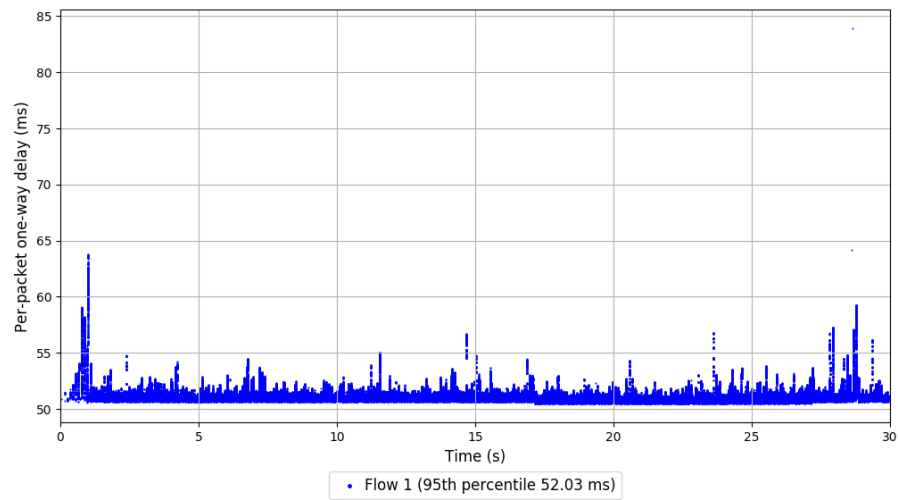
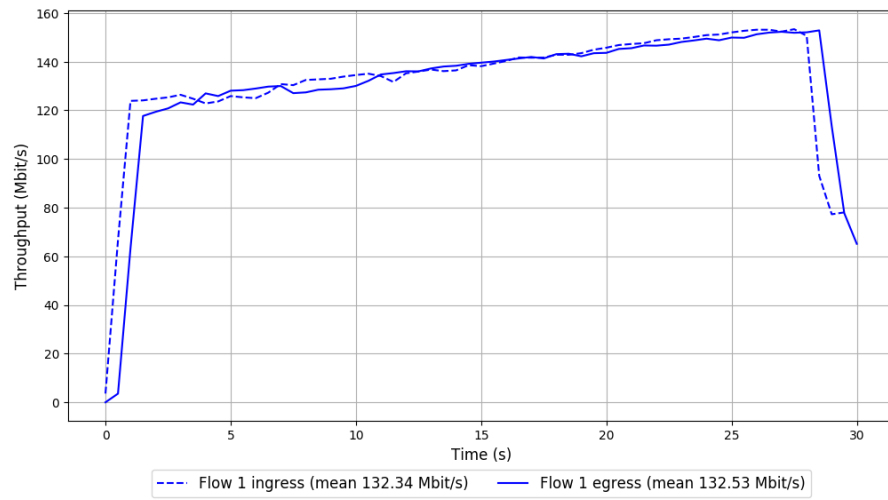


Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 16:58:18
End at: 2018-07-20 16:58:48
Local clock offset: -0.153 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 19:19:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.53 Mbit/s
95th percentile per-packet one-way delay: 52.030 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 132.53 Mbit/s
95th percentile per-packet one-way delay: 52.030 ms
Loss rate: 0.20%

Run 8: Report of TCP Vegas — Data Link

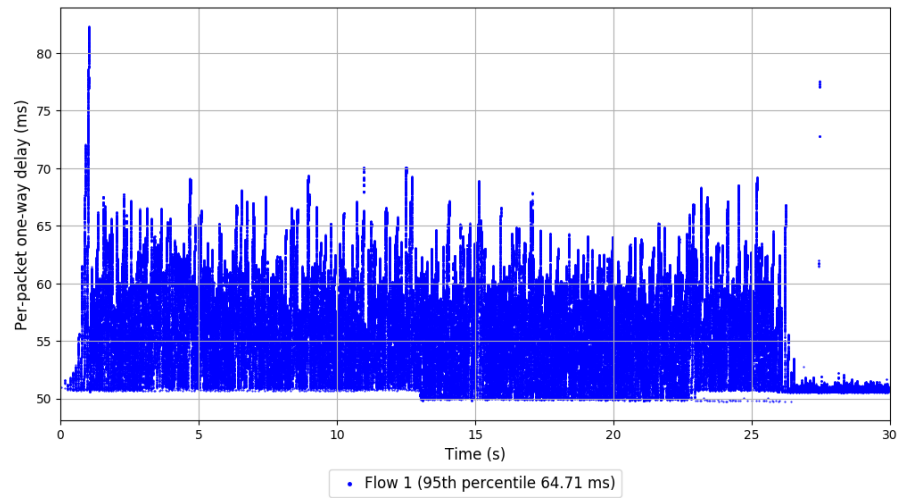
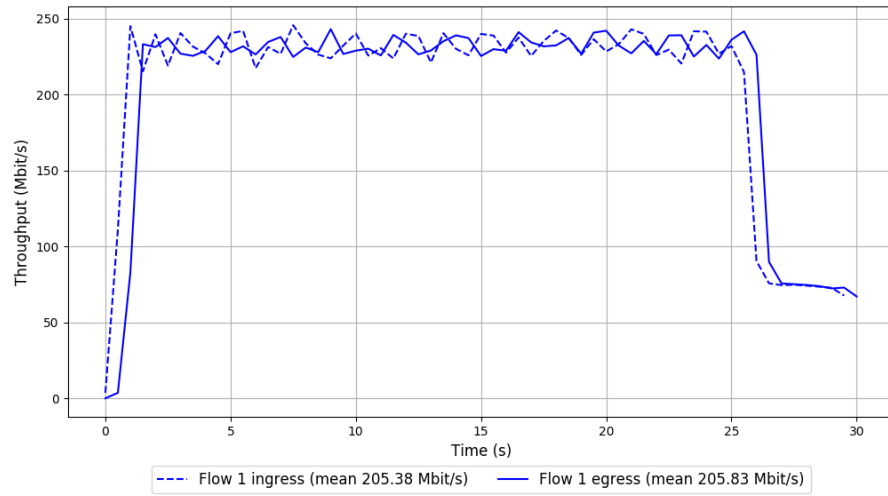


Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 17:19:42
End at: 2018-07-20 17:20:12
Local clock offset: -0.13 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-20 19:21:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.83 Mbit/s
95th percentile per-packet one-way delay: 64.707 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 205.83 Mbit/s
95th percentile per-packet one-way delay: 64.707 ms
Loss rate: 0.12%

Run 9: Report of TCP Vegas — Data Link

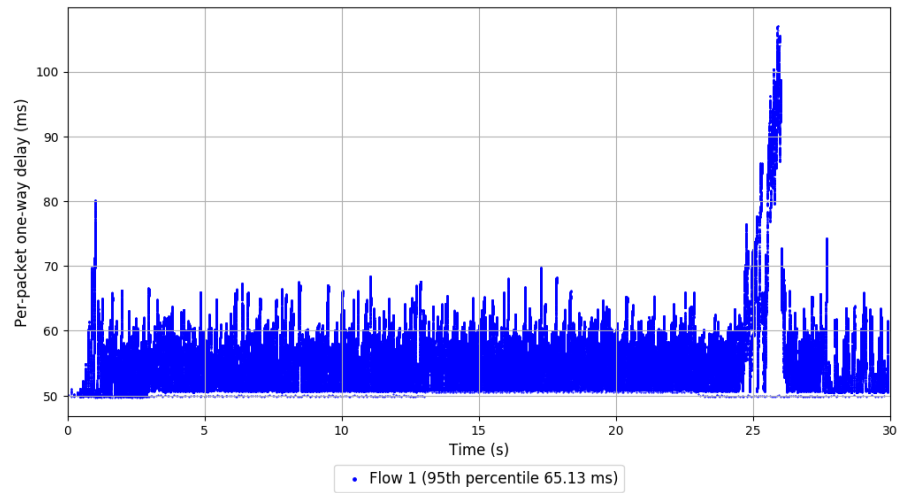
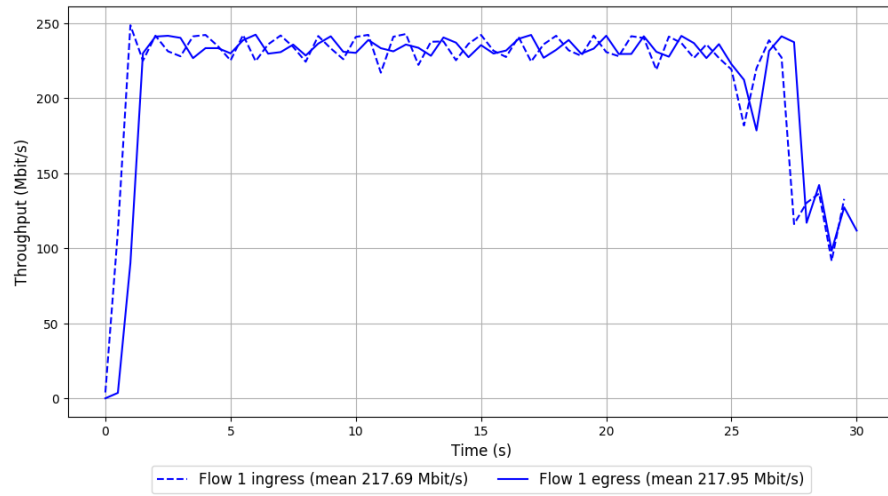


Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 17:41:12
End at: 2018-07-20 17:41:42
Local clock offset: -0.106 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-20 19:21:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.95 Mbit/s
95th percentile per-packet one-way delay: 65.126 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 217.95 Mbit/s
95th percentile per-packet one-way delay: 65.126 ms
Loss rate: 0.19%

Run 10: Report of TCP Vegas — Data Link

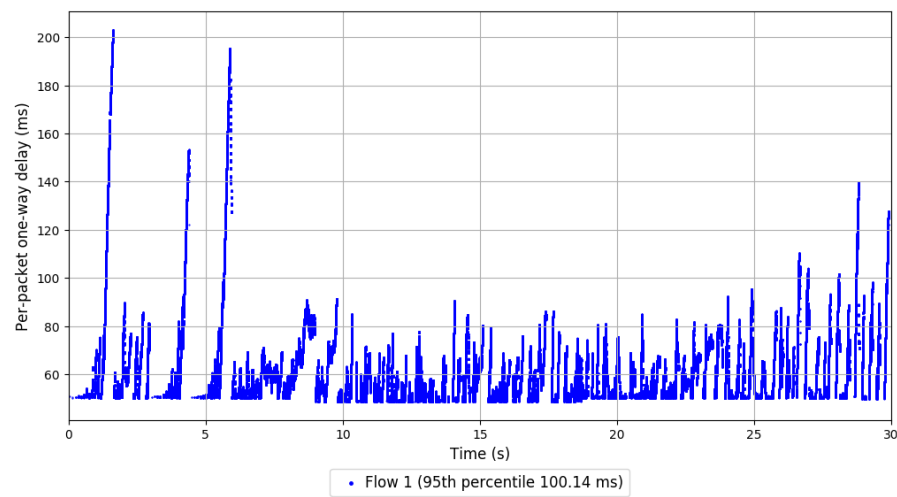
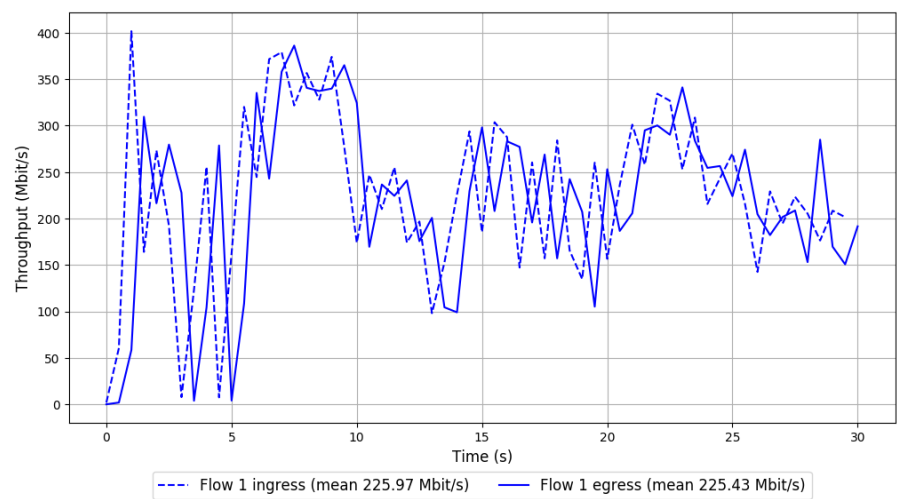


Run 1: Statistics of Verus

Start at: 2018-07-20 14:24:36
End at: 2018-07-20 14:25:06
Local clock offset: -0.583 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 19:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.43 Mbit/s
95th percentile per-packet one-way delay: 100.136 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 225.43 Mbit/s
95th percentile per-packet one-way delay: 100.136 ms
Loss rate: 0.58%

Run 1: Report of Verus — Data Link

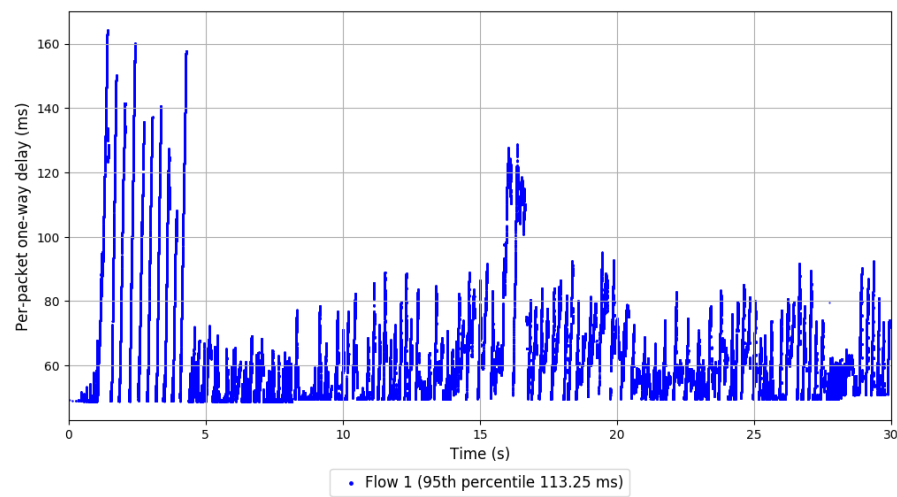
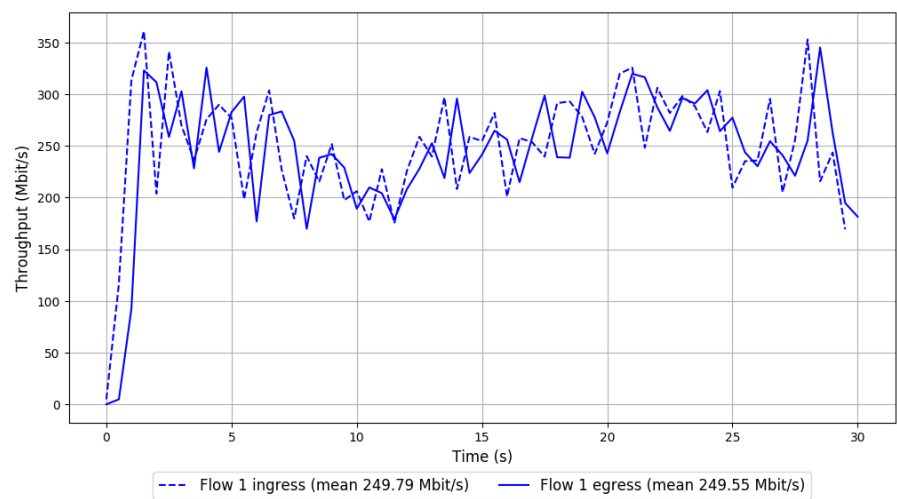


Run 2: Statistics of Verus

Start at: 2018-07-20 14:45:47
End at: 2018-07-20 14:46:17
Local clock offset: -0.043 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-20 19:22:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.55 Mbit/s
95th percentile per-packet one-way delay: 113.255 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 249.55 Mbit/s
95th percentile per-packet one-way delay: 113.255 ms
Loss rate: 0.24%

Run 2: Report of Verus — Data Link

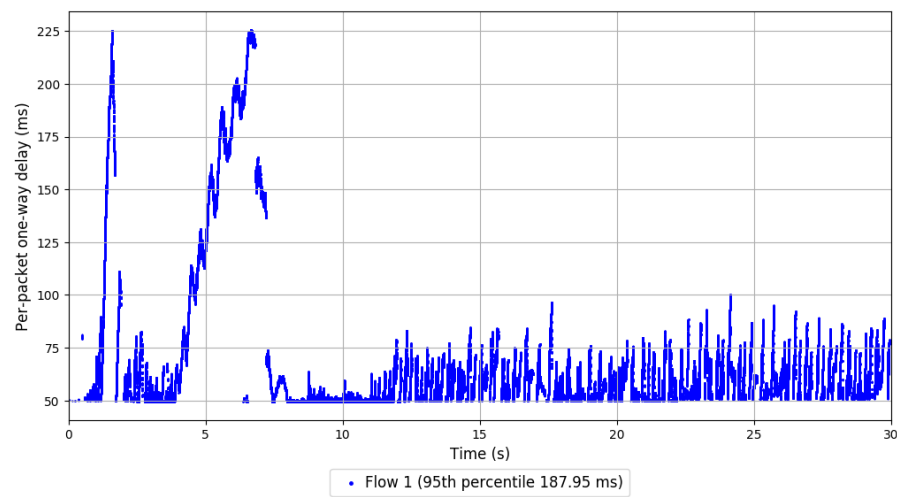
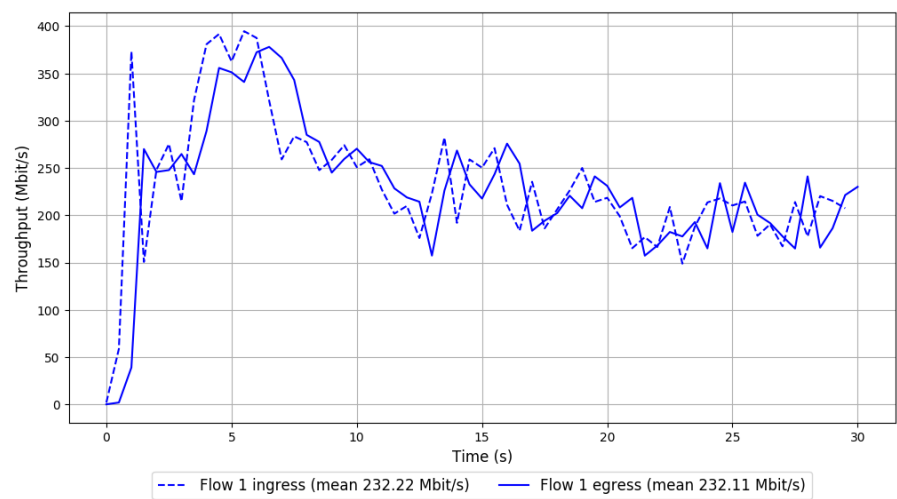


Run 3: Statistics of Verus

Start at: 2018-07-20 15:07:23
End at: 2018-07-20 15:07:53
Local clock offset: -0.037 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-20 19:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.11 Mbit/s
95th percentile per-packet one-way delay: 187.954 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 232.11 Mbit/s
95th percentile per-packet one-way delay: 187.954 ms
Loss rate: 0.16%

Run 3: Report of Verus — Data Link

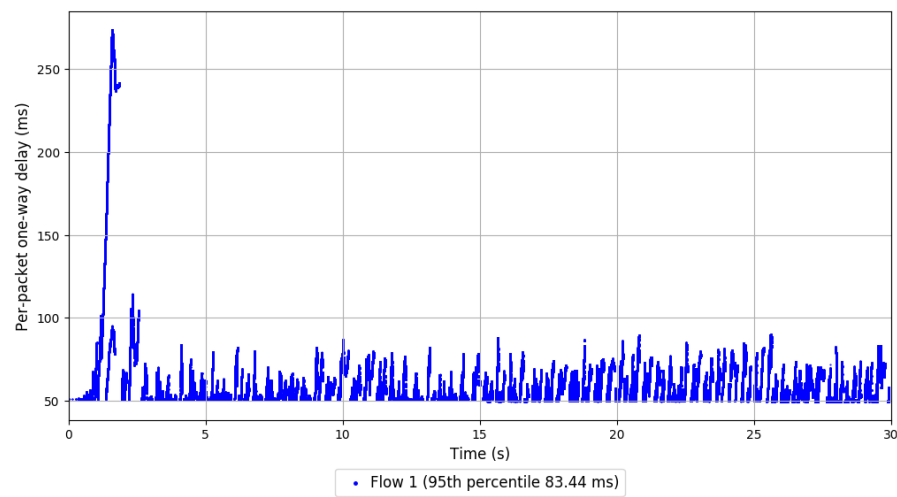
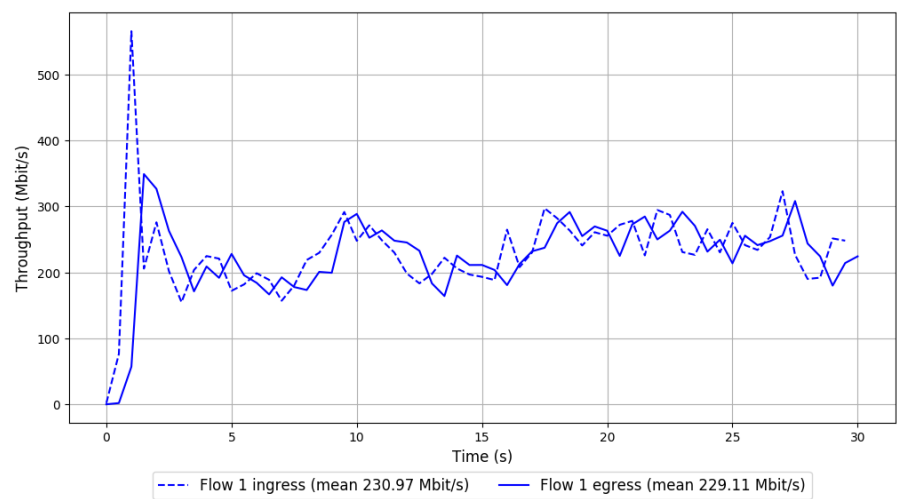


Run 4: Statistics of Verus

Start at: 2018-07-20 15:28:50
End at: 2018-07-20 15:29:20
Local clock offset: -0.038 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-20 19:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.11 Mbit/s
95th percentile per-packet one-way delay: 83.439 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 229.11 Mbit/s
95th percentile per-packet one-way delay: 83.439 ms
Loss rate: 1.14%

Run 4: Report of Verus — Data Link

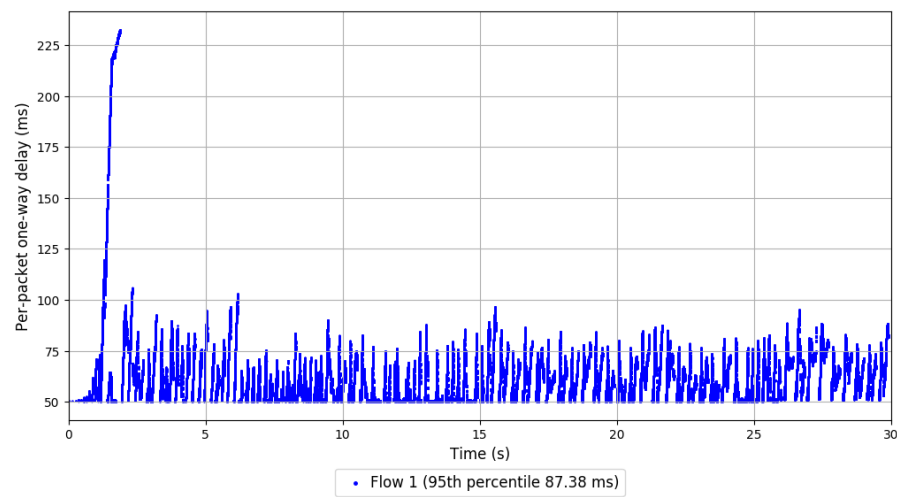
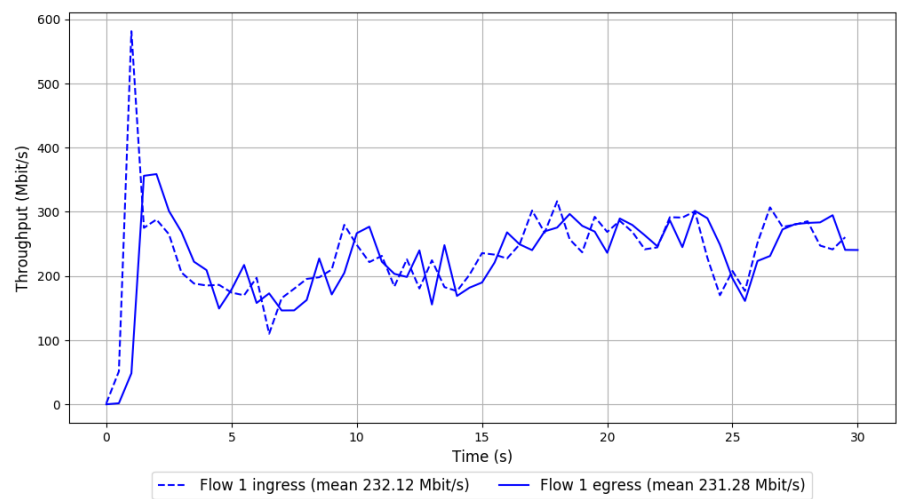


Run 5: Statistics of Verus

Start at: 2018-07-20 15:50:19
End at: 2018-07-20 15:50:49
Local clock offset: 0.285 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 19:23:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.28 Mbit/s
95th percentile per-packet one-way delay: 87.378 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 231.28 Mbit/s
95th percentile per-packet one-way delay: 87.378 ms
Loss rate: 0.81%

Run 5: Report of Verus — Data Link

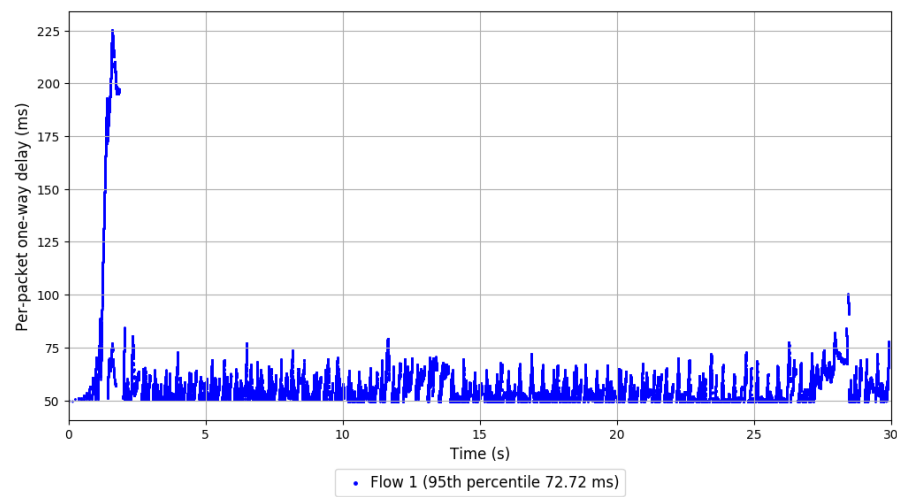
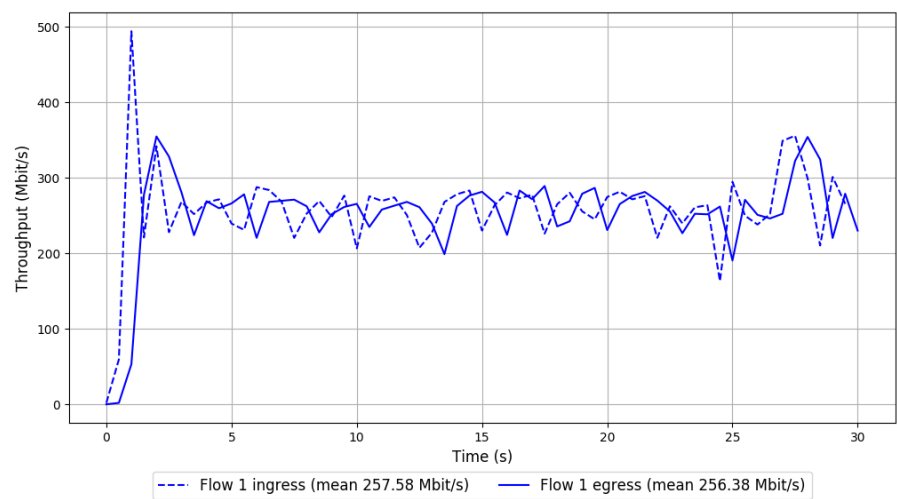


Run 6: Statistics of Verus

Start at: 2018-07-20 16:11:35
End at: 2018-07-20 16:12:05
Local clock offset: -0.382 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-20 19:24:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.38 Mbit/s
95th percentile per-packet one-way delay: 72.719 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 256.38 Mbit/s
95th percentile per-packet one-way delay: 72.719 ms
Loss rate: 0.79%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-20 16:33:04

End at: 2018-07-20 16:33:34

Local clock offset: -0.041 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-20 19:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.38 Mbit/s

95th percentile per-packet one-way delay: 198.740 ms

Loss rate: 0.95%

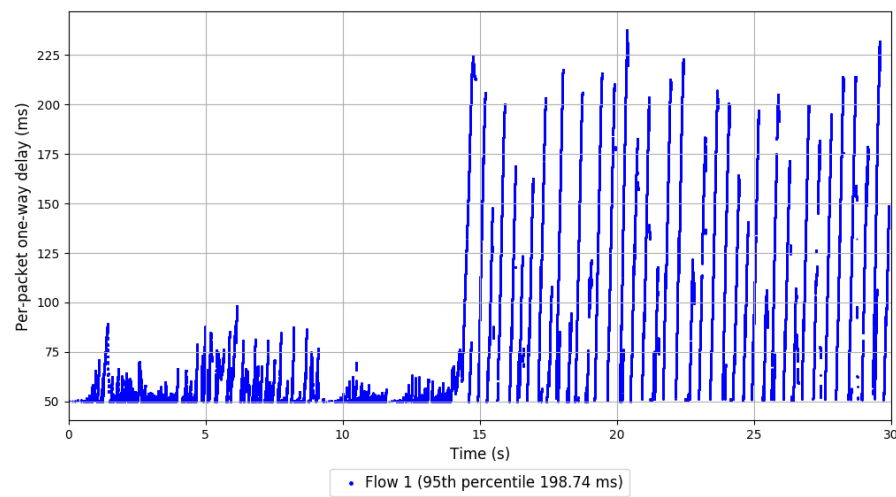
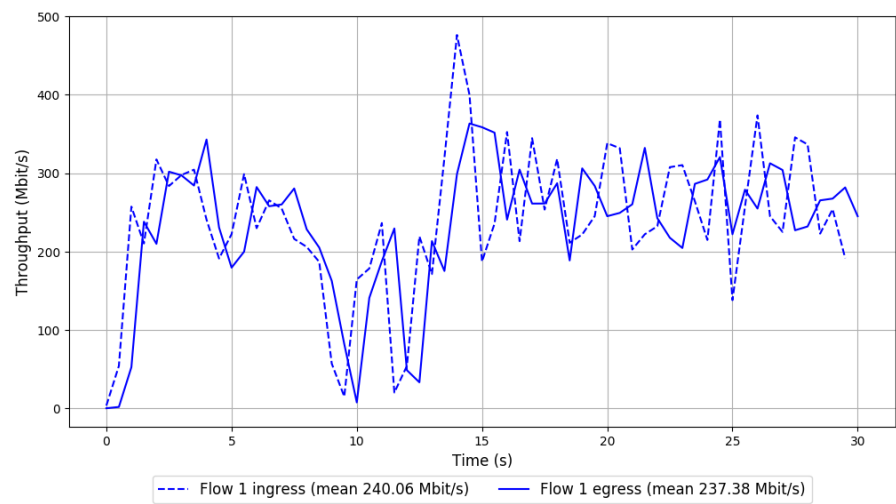
-- Flow 1:

Average throughput: 237.38 Mbit/s

95th percentile per-packet one-way delay: 198.740 ms

Loss rate: 0.95%

Run 7: Report of Verus — Data Link

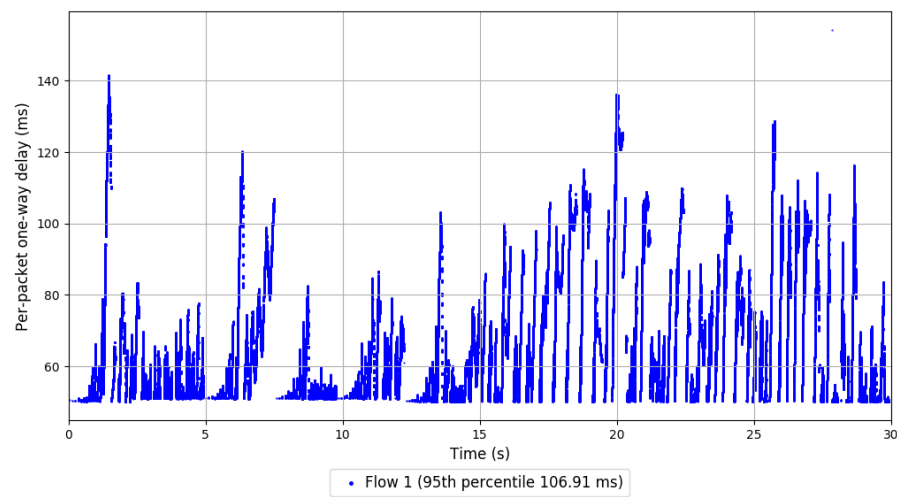
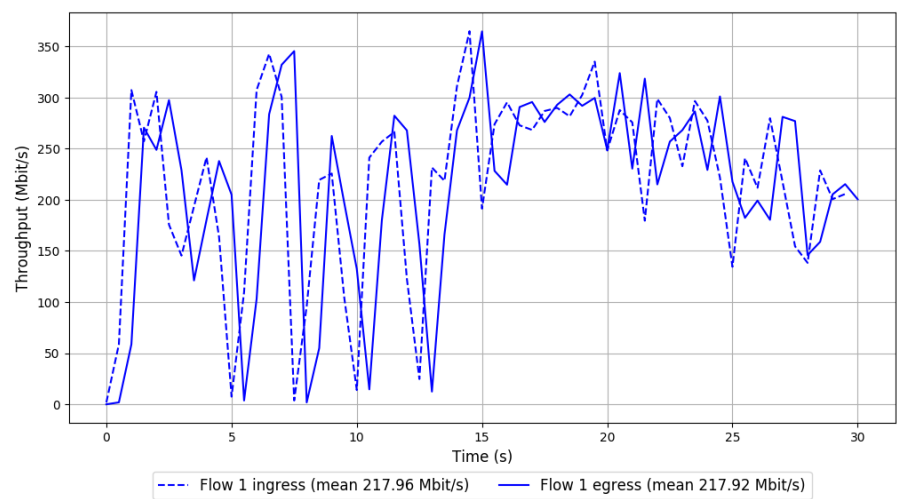


Run 8: Statistics of Verus

Start at: 2018-07-20 16:54:33
End at: 2018-07-20 16:55:03
Local clock offset: 0.198 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 19:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.92 Mbit/s
95th percentile per-packet one-way delay: 106.908 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 217.92 Mbit/s
95th percentile per-packet one-way delay: 106.908 ms
Loss rate: 0.11%

Run 8: Report of Verus — Data Link

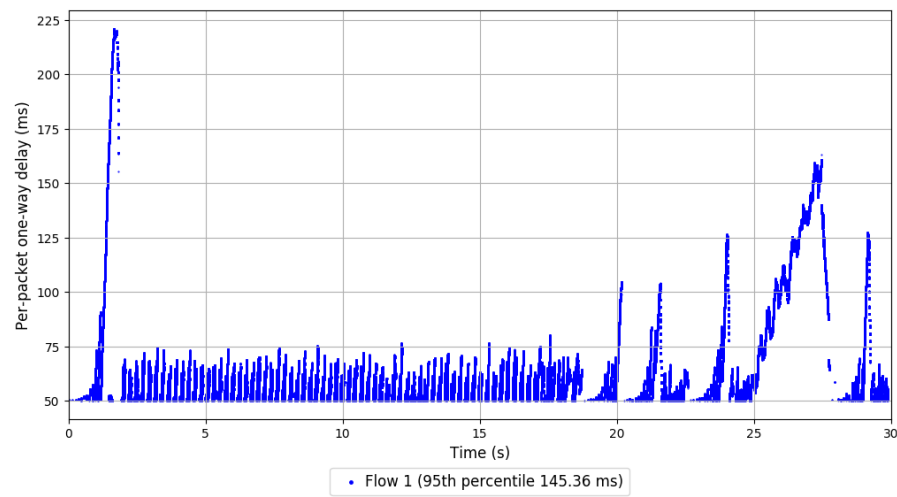
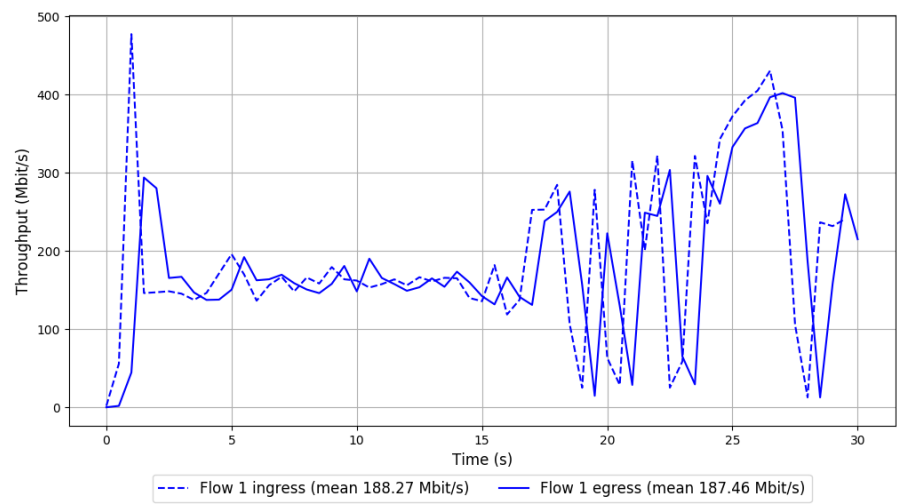


Run 9: Statistics of Verus

Start at: 2018-07-20 17:15:55
End at: 2018-07-20 17:16:25
Local clock offset: -0.529 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-20 19:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.46 Mbit/s
95th percentile per-packet one-way delay: 145.360 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 187.46 Mbit/s
95th percentile per-packet one-way delay: 145.360 ms
Loss rate: 0.76%

Run 9: Report of Verus — Data Link

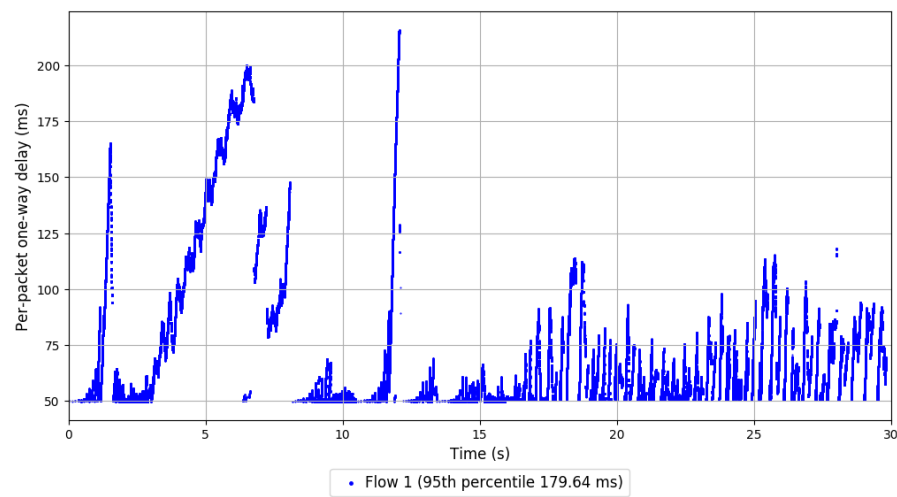
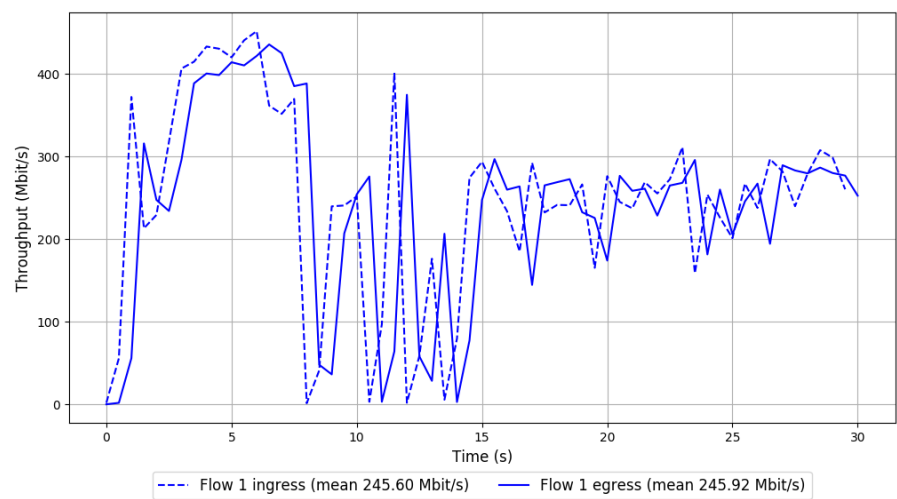


Run 10: Statistics of Verus

Start at: 2018-07-20 17:37:29
End at: 2018-07-20 17:37:59
Local clock offset: -0.124 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 19:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.92 Mbit/s
95th percentile per-packet one-way delay: 179.642 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 245.92 Mbit/s
95th percentile per-packet one-way delay: 179.642 ms
Loss rate: 0.46%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 14:38:09

End at: 2018-07-20 14:38:39

Local clock offset: 0.154 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 19:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.96 Mbit/s

95th percentile per-packet one-way delay: 51.366 ms

Loss rate: 0.33%

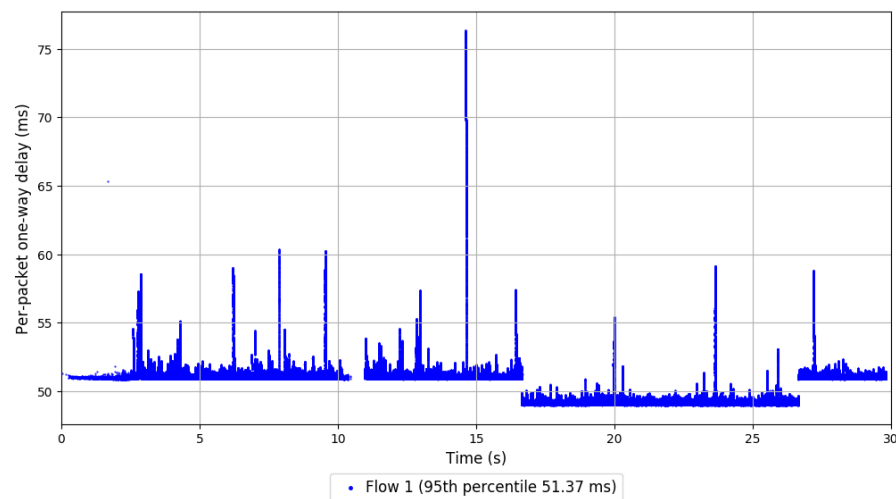
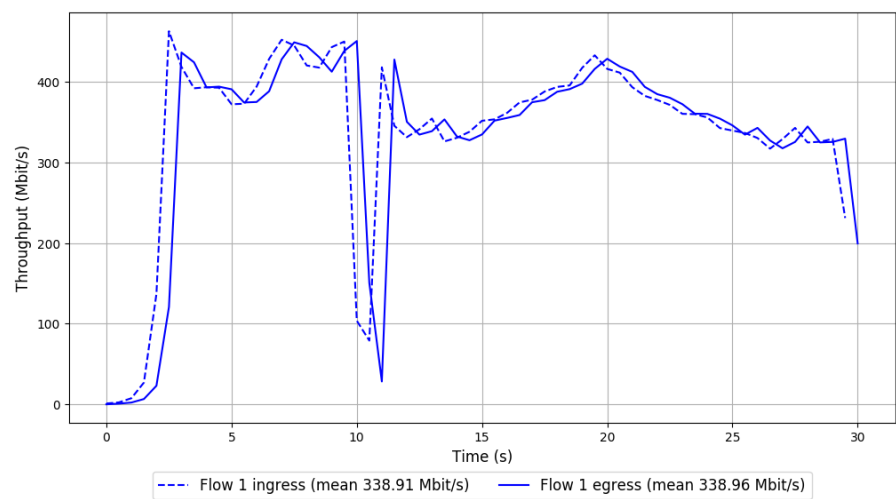
-- Flow 1:

Average throughput: 338.96 Mbit/s

95th percentile per-packet one-way delay: 51.366 ms

Loss rate: 0.33%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 14:59:42

End at: 2018-07-20 15:00:12

Local clock offset: 0.039 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 19:29:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.12 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.39%

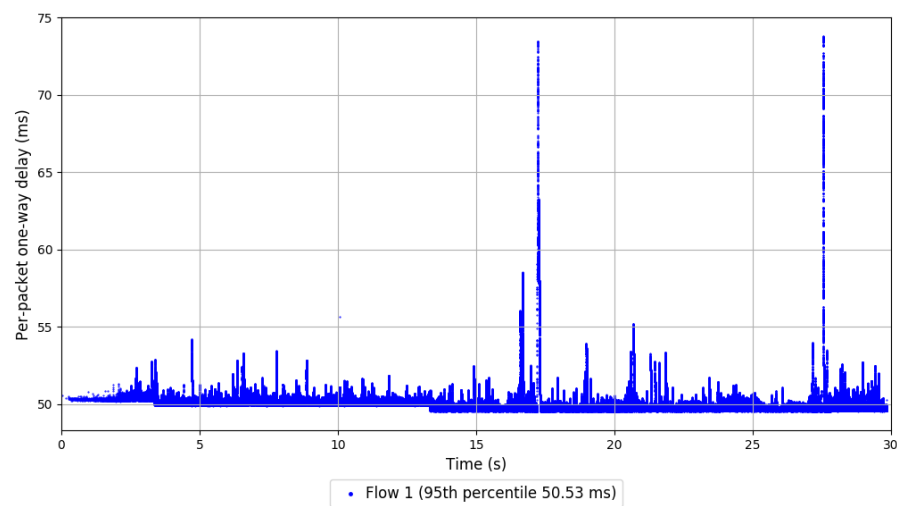
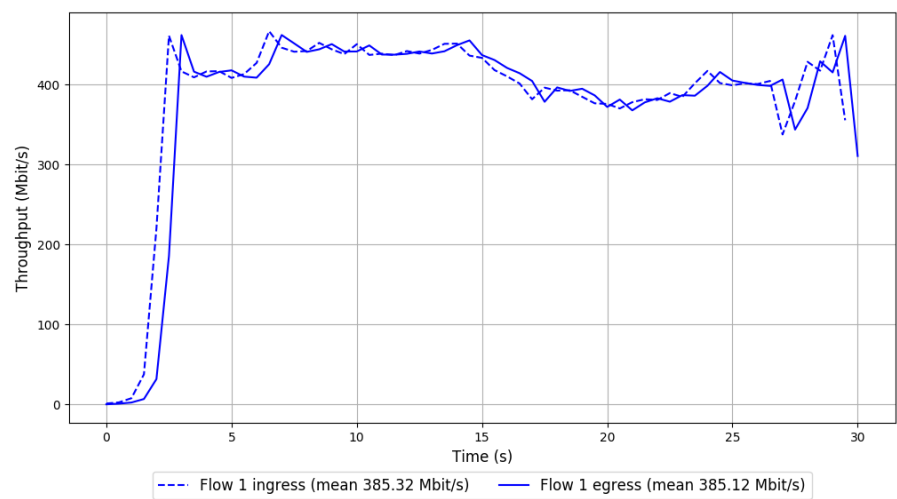
-- Flow 1:

Average throughput: 385.12 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.39%

Run 2: Report of PCC-Vivace — Data Link

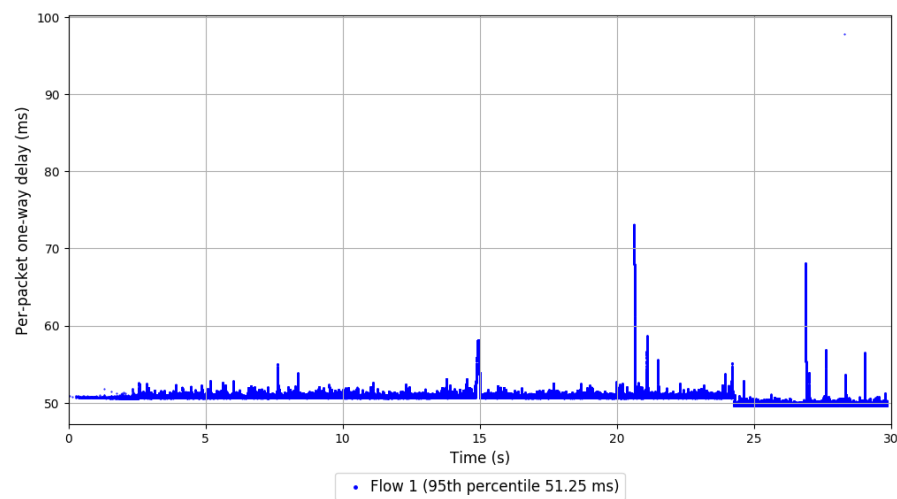
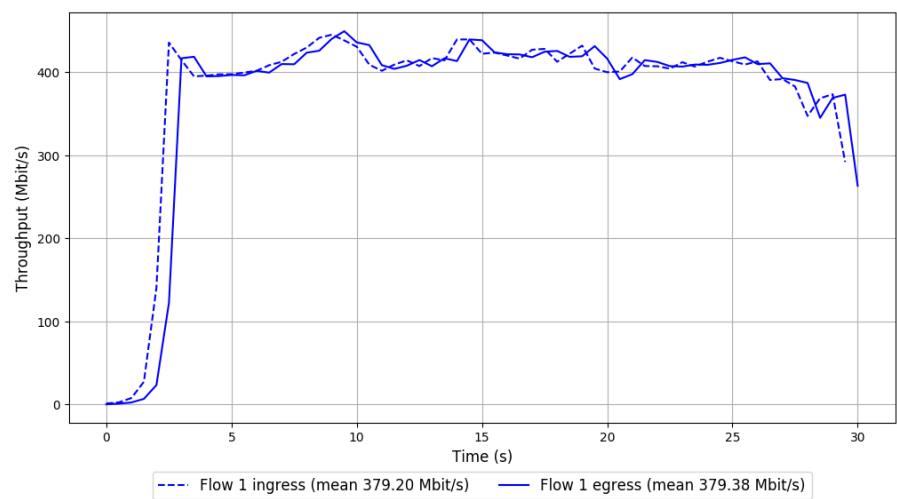


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 15:21:01
End at: 2018-07-20 15:21:31
Local clock offset: -0.08 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-20 19:29:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.38 Mbit/s
95th percentile per-packet one-way delay: 51.254 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 379.38 Mbit/s
95th percentile per-packet one-way delay: 51.254 ms
Loss rate: 0.29%

Run 3: Report of PCC-Vivace — Data Link

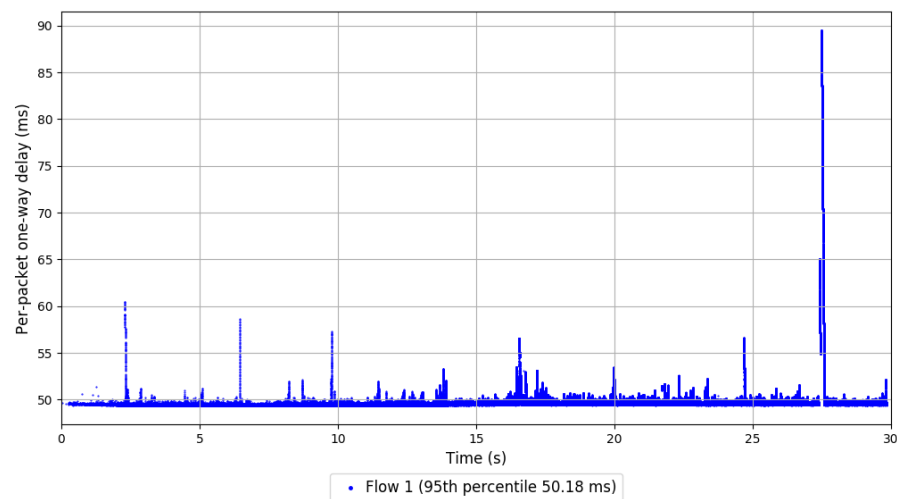
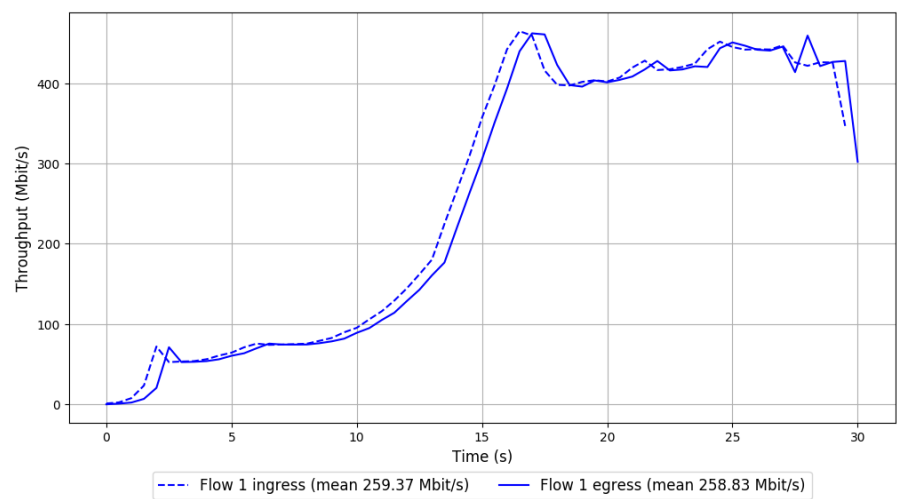


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 15:42:40
End at: 2018-07-20 15:43:10
Local clock offset: -0.04 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-20 19:29:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.83 Mbit/s
95th percentile per-packet one-way delay: 50.177 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 258.83 Mbit/s
95th percentile per-packet one-way delay: 50.177 ms
Loss rate: 0.55%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 16:03:59

End at: 2018-07-20 16:04:29

Local clock offset: 0.307 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-20 19:29:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.95 Mbit/s

95th percentile per-packet one-way delay: 50.871 ms

Loss rate: 0.40%

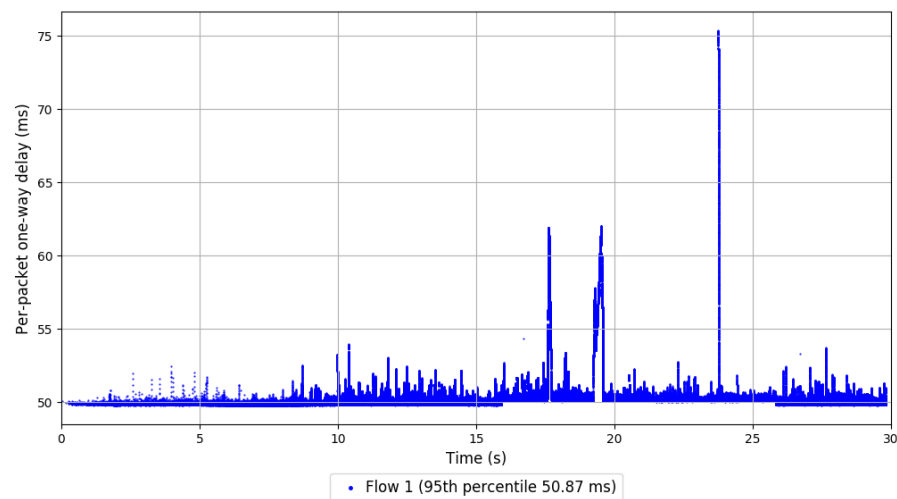
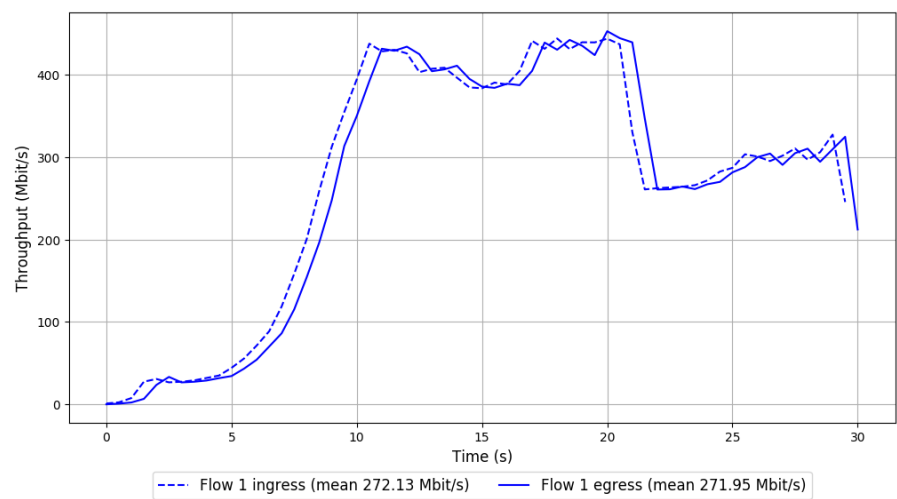
-- Flow 1:

Average throughput: 271.95 Mbit/s

95th percentile per-packet one-way delay: 50.871 ms

Loss rate: 0.40%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 16:25:27

End at: 2018-07-20 16:25:57

Local clock offset: 0.289 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-20 19:30:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.11 Mbit/s

95th percentile per-packet one-way delay: 50.698 ms

Loss rate: 0.32%

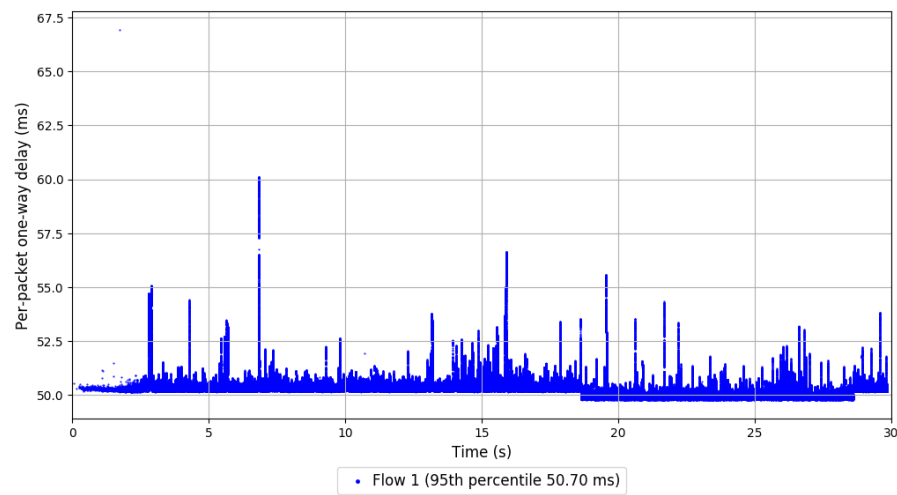
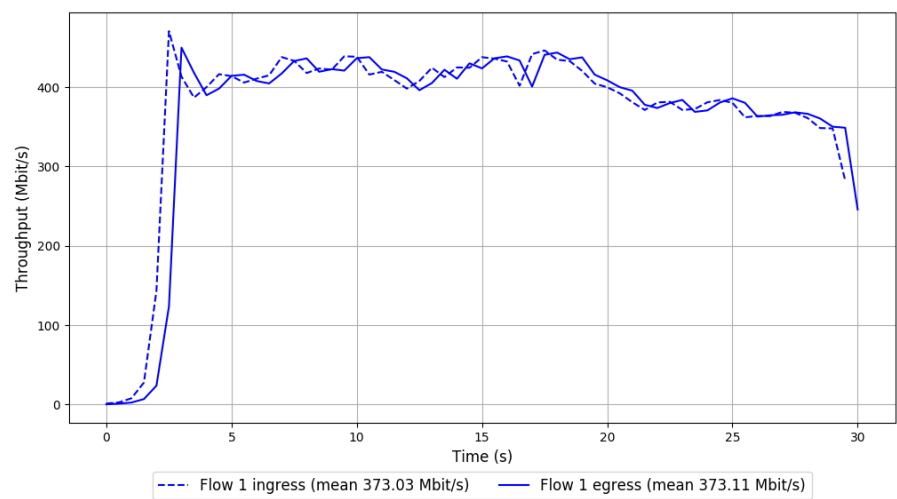
-- Flow 1:

Average throughput: 373.11 Mbit/s

95th percentile per-packet one-way delay: 50.698 ms

Loss rate: 0.32%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 16:46:54

End at: 2018-07-20 16:47:24

Local clock offset: -0.115 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-20 19:30:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.96 Mbit/s

95th percentile per-packet one-way delay: 52.241 ms

Loss rate: 0.35%

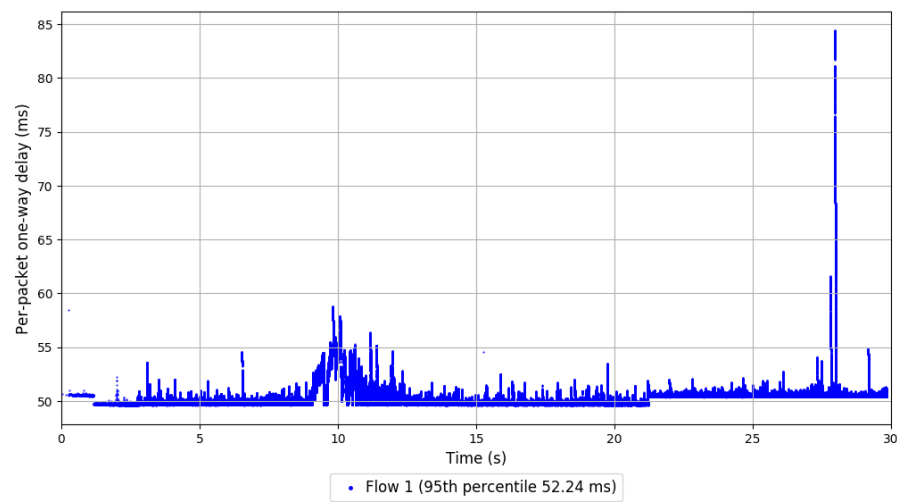
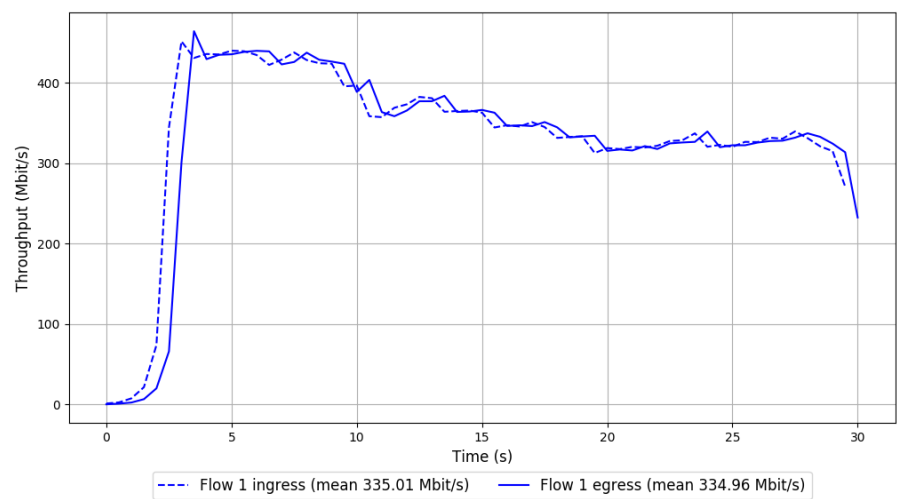
-- Flow 1:

Average throughput: 334.96 Mbit/s

95th percentile per-packet one-way delay: 52.241 ms

Loss rate: 0.35%

Run 7: Report of PCC-Vivace — Data Link

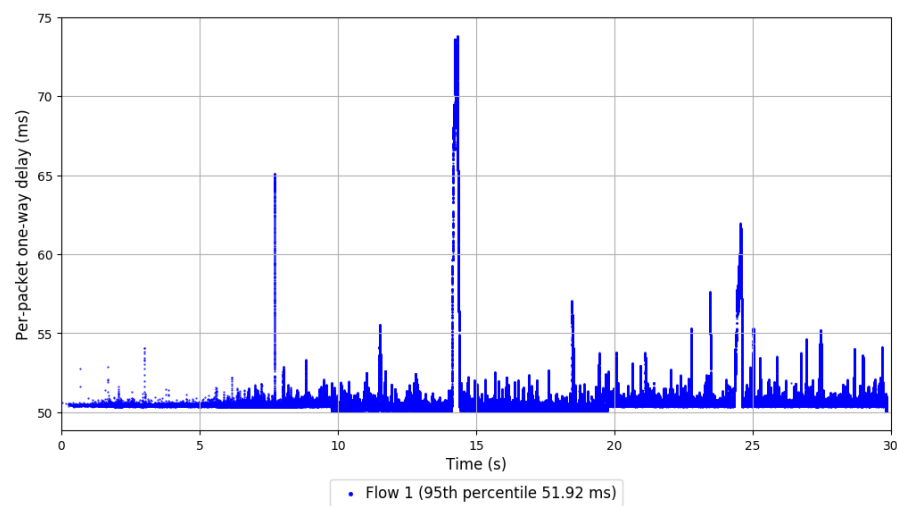
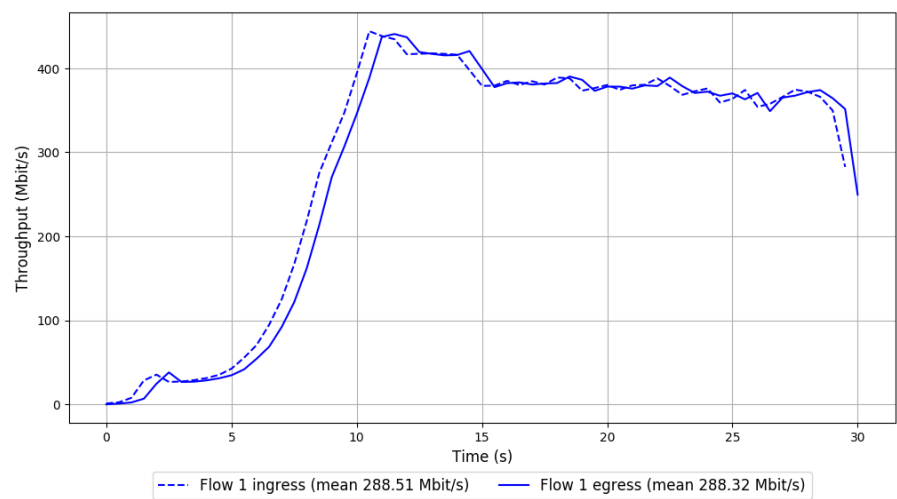


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 17:08:15
End at: 2018-07-20 17:08:46
Local clock offset: -0.211 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 19:31:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.32 Mbit/s
95th percentile per-packet one-way delay: 51.917 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 288.32 Mbit/s
95th percentile per-packet one-way delay: 51.917 ms
Loss rate: 0.40%

Run 8: Report of PCC-Vivace — Data Link

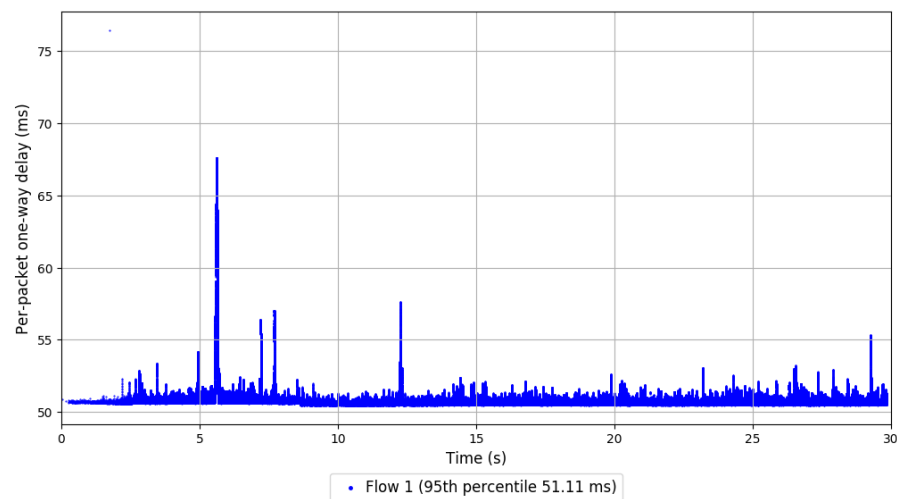
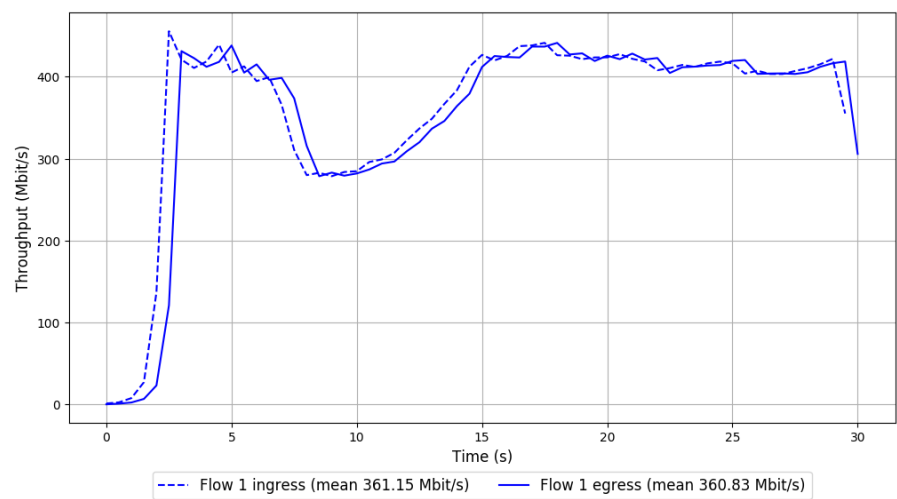


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 17:29:46
End at: 2018-07-20 17:30:17
Local clock offset: -0.113 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.83 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 360.83 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.43%

Run 9: Report of PCC-Vivace — Data Link

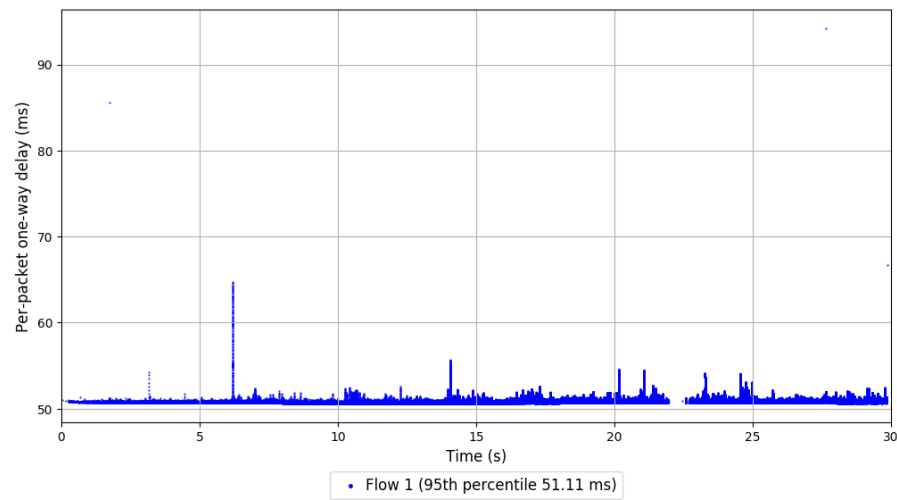
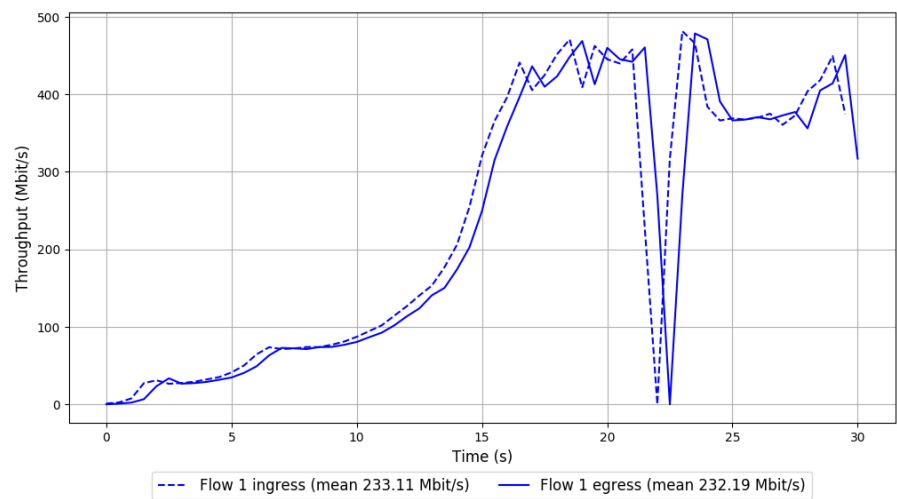


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-20 17:51:17
End at: 2018-07-20 17:51:47
Local clock offset: -0.105 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.19 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 232.19 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.71%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

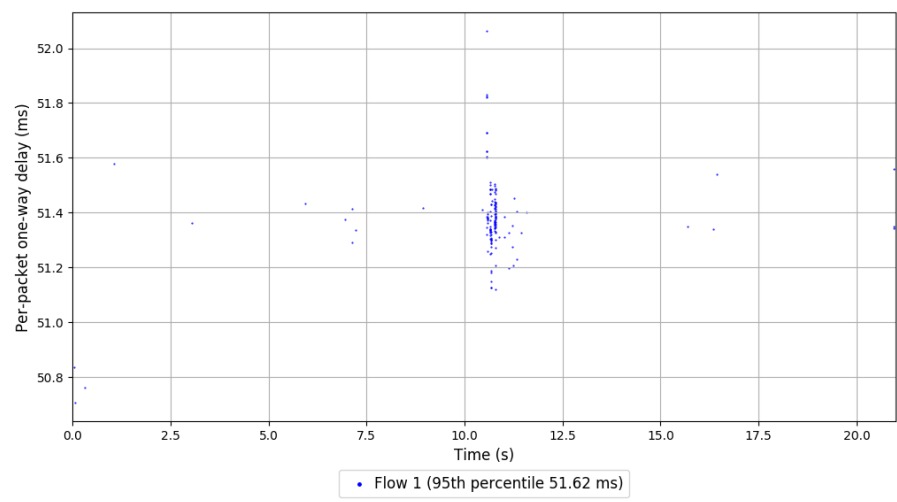
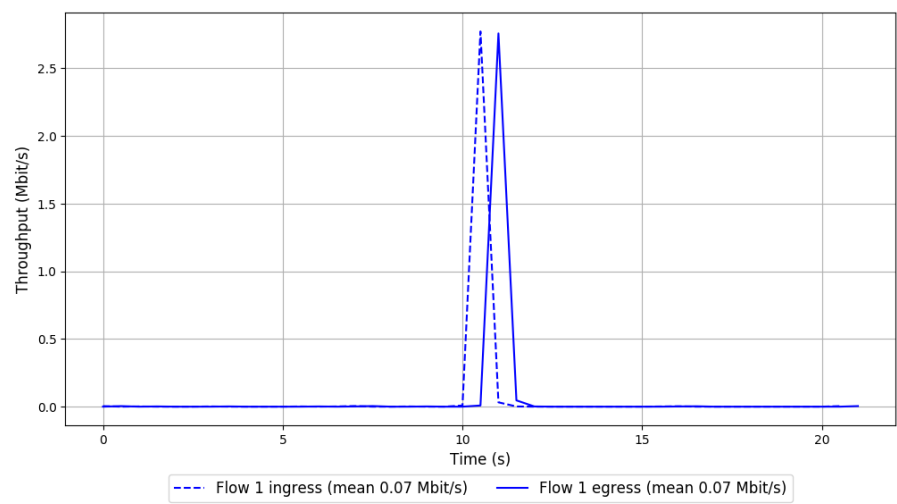
Start at: 2018-07-20 14:33:37

End at: 2018-07-20 14:34:07

Local clock offset: 0.118 ms

Remote clock offset: -0.059 ms

Run 1: Report of WebRTC media — Data Link

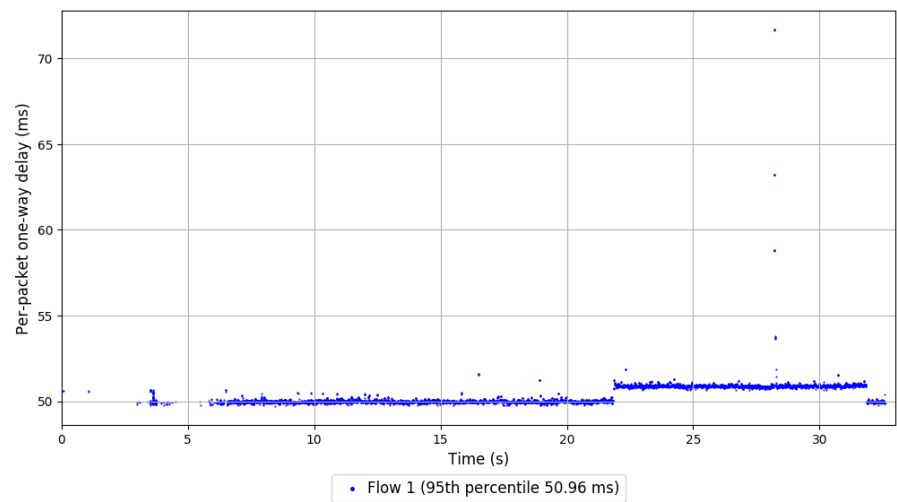
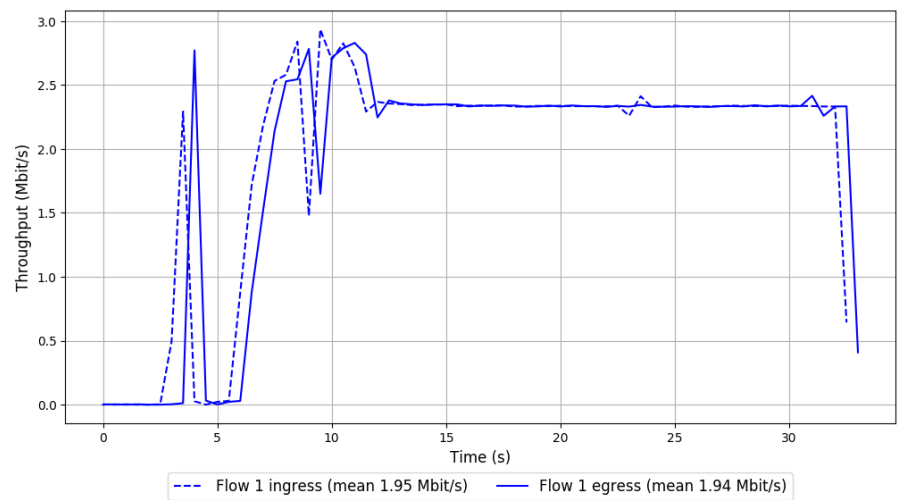


Run 2: Statistics of WebRTC media

Start at: 2018-07-20 14:54:56
End at: 2018-07-20 14:55:26
Local clock offset: -0.019 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.961 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.961 ms
Loss rate: 0.37%

Run 2: Report of WebRTC media — Data Link

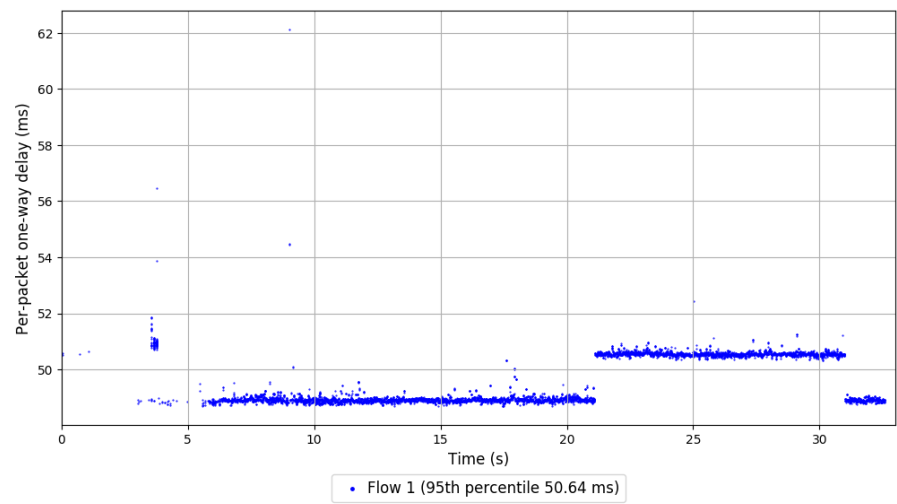
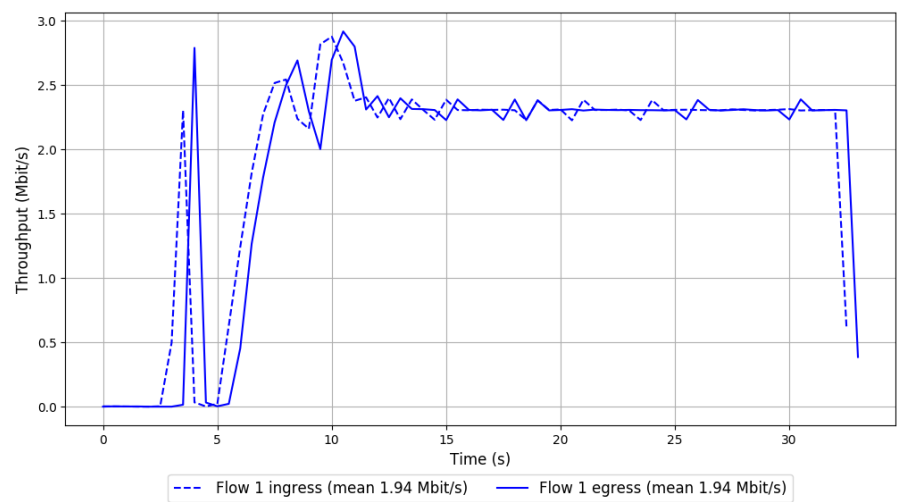


Run 3: Statistics of WebRTC media

Start at: 2018-07-20 15:16:17
End at: 2018-07-20 15:16:47
Local clock offset: -0.092 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.640 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.640 ms
Loss rate: 0.36%

Run 3: Report of WebRTC media — Data Link

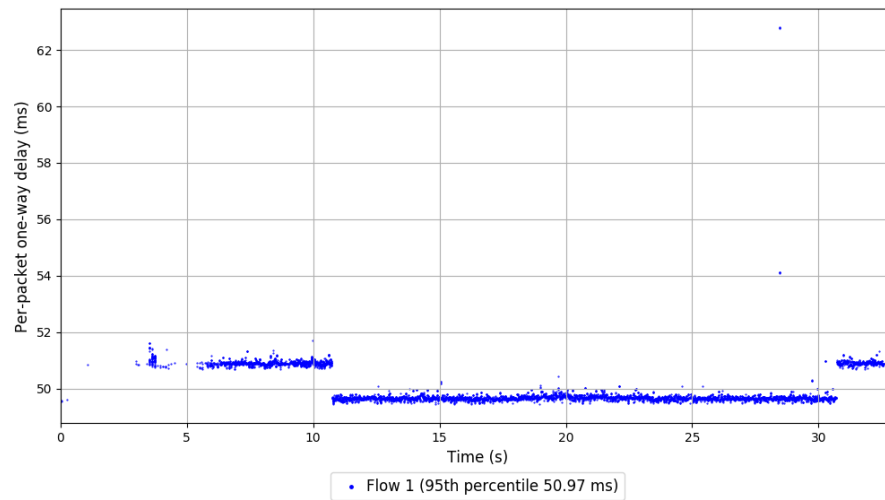
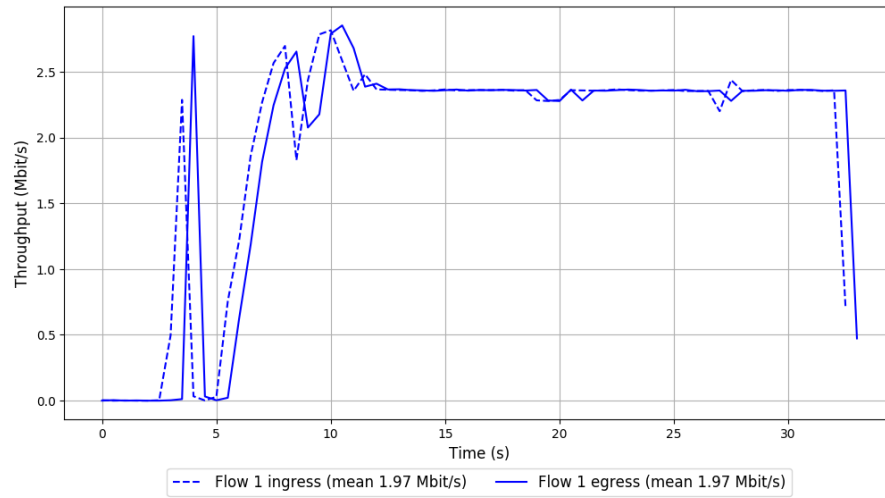


Run 4: Statistics of WebRTC media

Start at: 2018-07-20 15:37:57
End at: 2018-07-20 15:38:27
Local clock offset: -0.049 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.966 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.966 ms
Loss rate: 0.37%

Run 4: Report of WebRTC media — Data Link

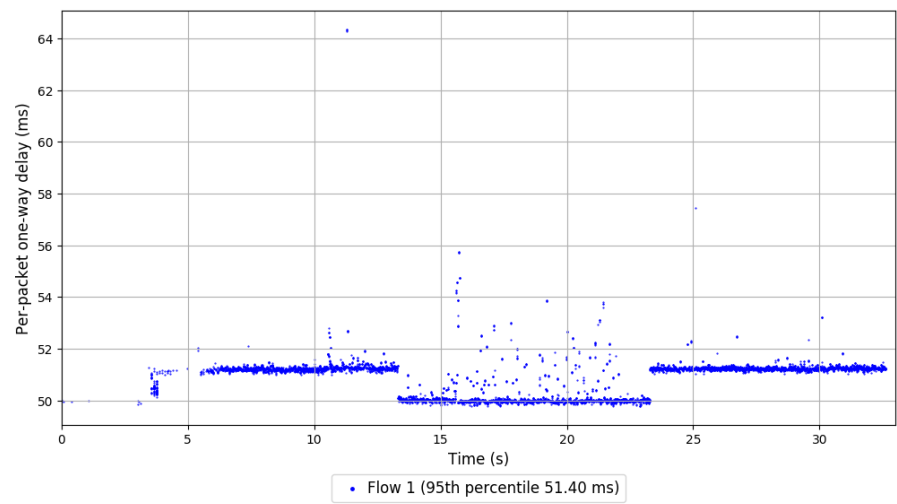
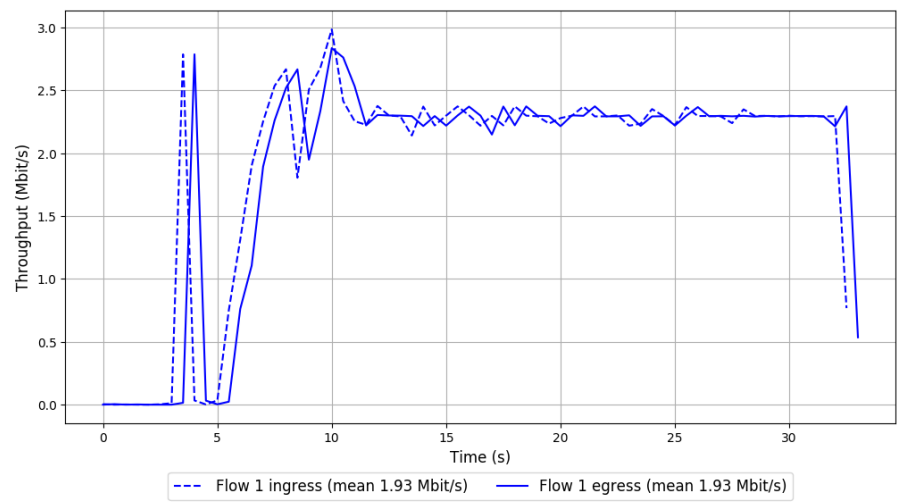


Run 5: Statistics of WebRTC media

Start at: 2018-07-20 15:59:14
End at: 2018-07-20 15:59:45
Local clock offset: 0.331 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 51.396 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 51.396 ms
Loss rate: 0.37%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-20 16:20:45

End at: 2018-07-20 16:21:15

Local clock offset: 0.281 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-20 19:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 51.420 ms

Loss rate: 0.35%

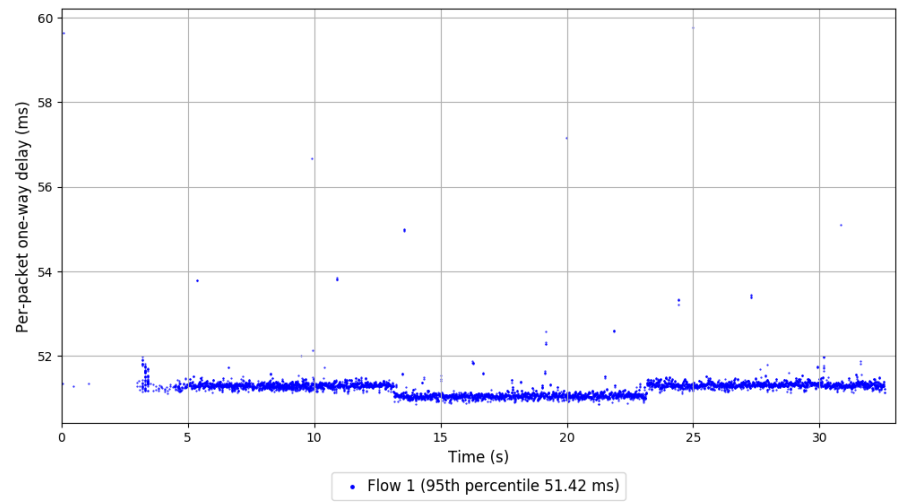
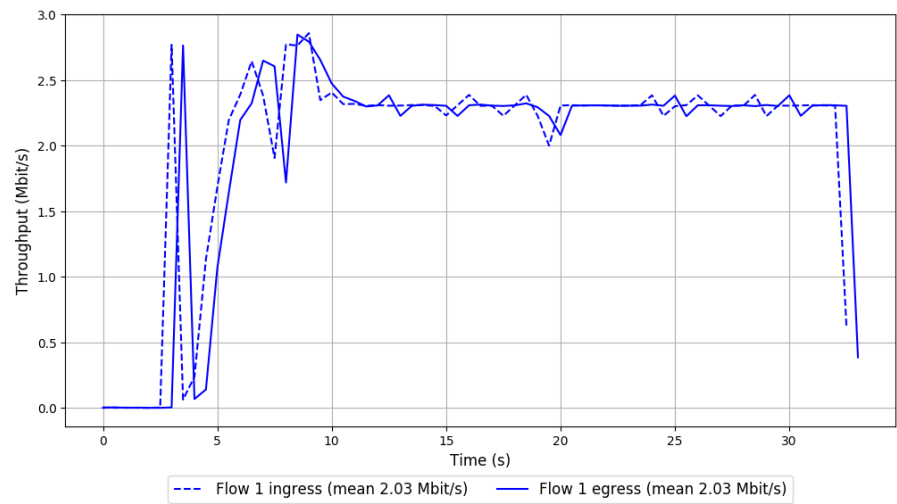
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 51.420 ms

Loss rate: 0.35%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-20 16:42:12

End at: 2018-07-20 16:42:42

Local clock offset: -0.028 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-20 19:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

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

Loss rate: 0.35%

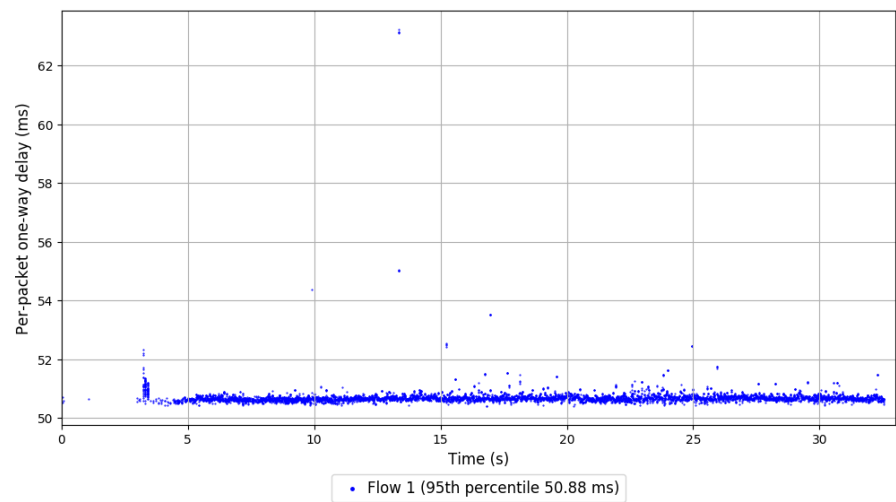
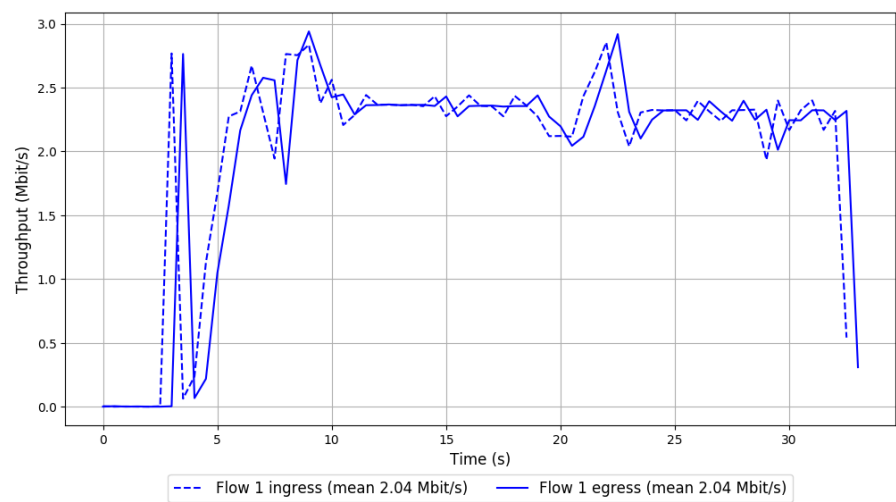
-- Flow 1:

Average throughput: 2.04 Mbit/s

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

Loss rate: 0.35%

Run 7: Report of WebRTC media — Data Link

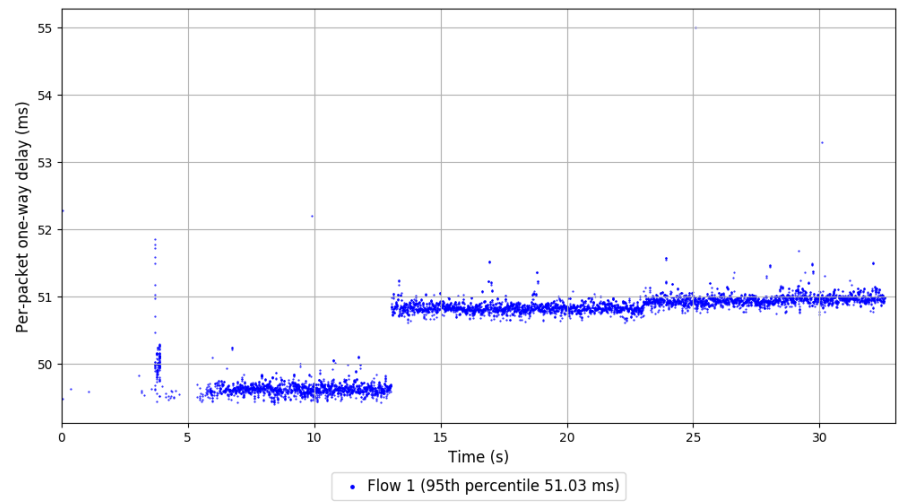
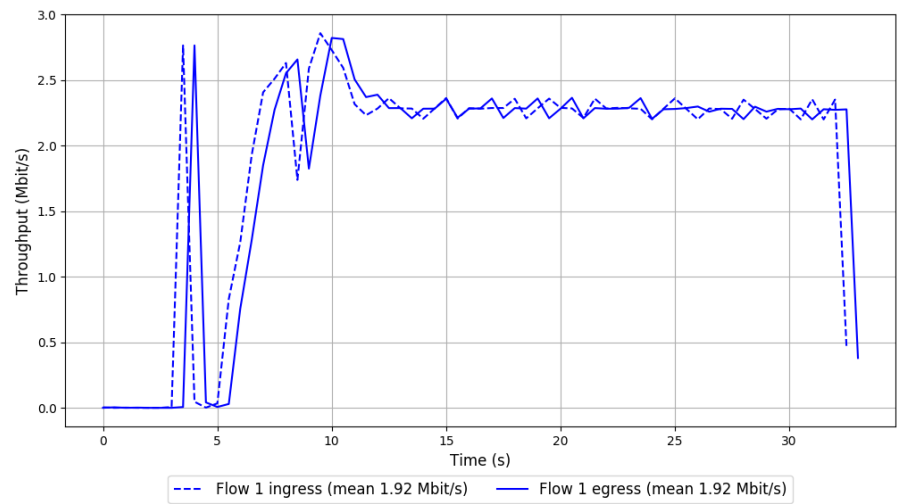


Run 8: Statistics of WebRTC media

Start at: 2018-07-20 17:03:35
End at: 2018-07-20 17:04:05
Local clock offset: -0.162 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.31%

Run 8: Report of WebRTC media — Data Link

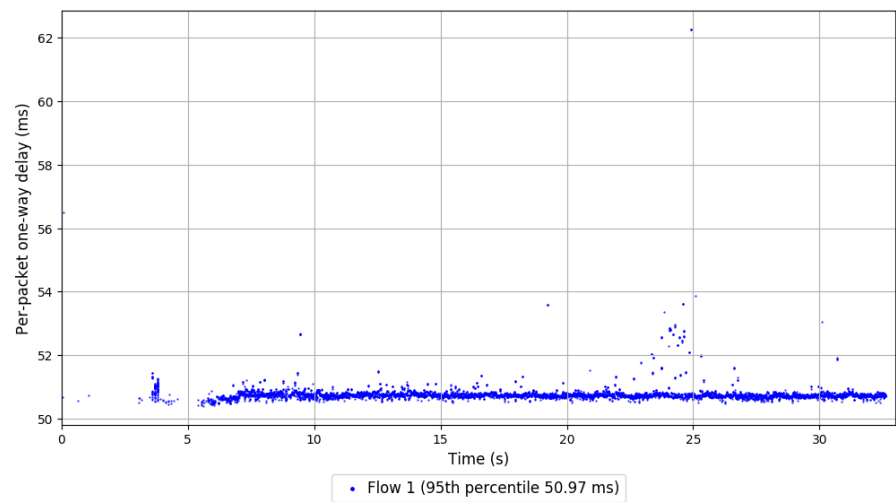
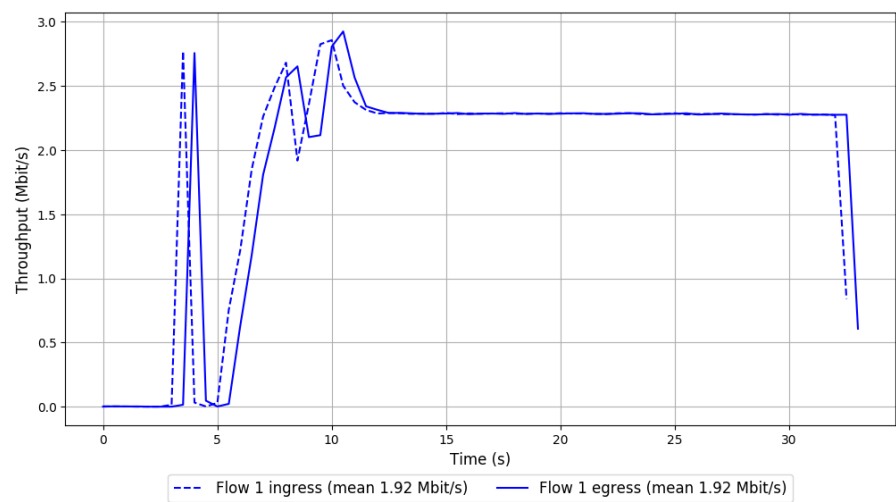


Run 9: Statistics of WebRTC media

Start at: 2018-07-20 17:25:01
End at: 2018-07-20 17:25:31
Local clock offset: -0.127 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 19:31:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.967 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.967 ms
Loss rate: 0.37%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 17:46:32

End at: 2018-07-20 17:47:02

Local clock offset: -0.084 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 19:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.37%

Run 10: Report of WebRTC media — Data Link

