

Pantheon Report

Generated at 2018-07-27 07:37:45 (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.

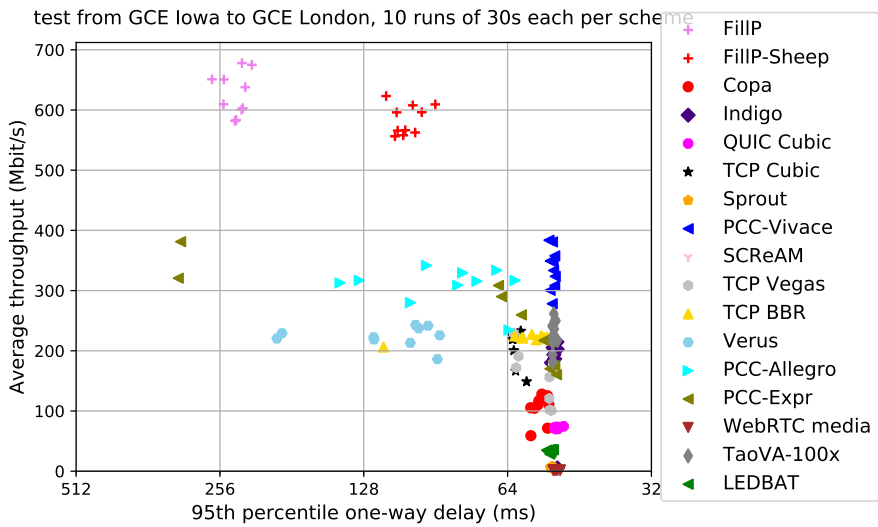
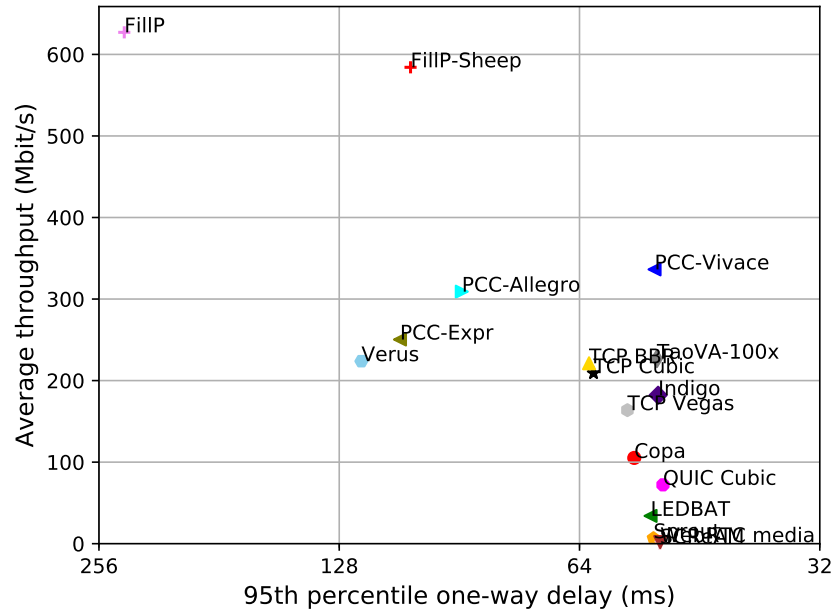
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-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-quick @ 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	221.25	62.27	0.35
Copa	10	105.17	54.65	0.31
TCP Cubic	10	209.10	61.47	0.28
FillP	10	627.07	237.97	0.87
FillP-Sheep	10	584.19	104.20	0.49
Indigo	10	182.10	51.02	0.38
LEDBAT	10	34.08	52.14	0.65
PCC-Allegro	10	309.07	89.88	0.47
PCC-Expr	10	250.36	107.43	2.11
QUIC Cubic	8	72.17	50.31	0.38
SCReAM	10	0.22	50.76	0.31
Sprout	10	6.78	51.71	0.42
TaoVA-100x	10	226.86	51.19	0.29
TCP Vegas	10	163.75	55.74	0.30
Verus	10	223.80	120.08	0.58
PCC-Vivace	10	336.35	51.55	0.38
WebRTC media	10	1.92	50.71	0.37

Run 1: Statistics of TCP BBR

Start at: 2018-07-27 02:29:57

End at: 2018-07-27 02:30:27

Local clock offset: -0.078 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-27 06:05:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.99 Mbit/s

95th percentile per-packet one-way delay: 53.721 ms

Loss rate: 0.34%

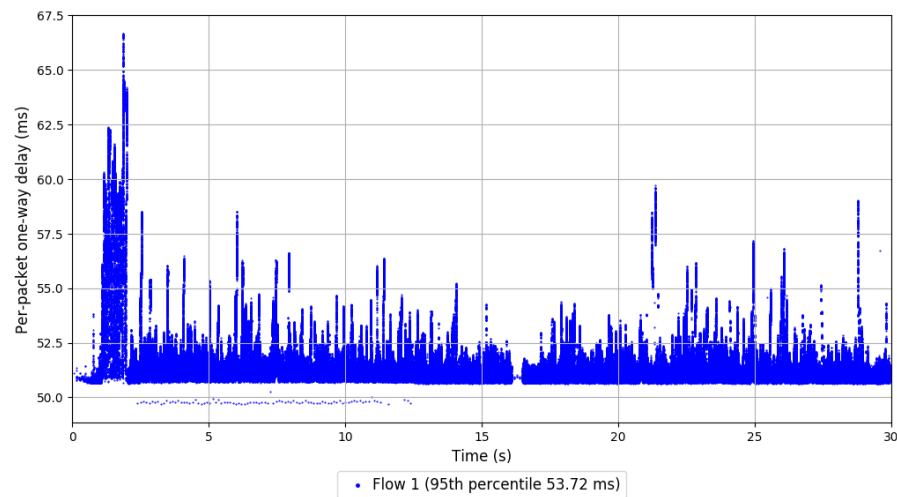
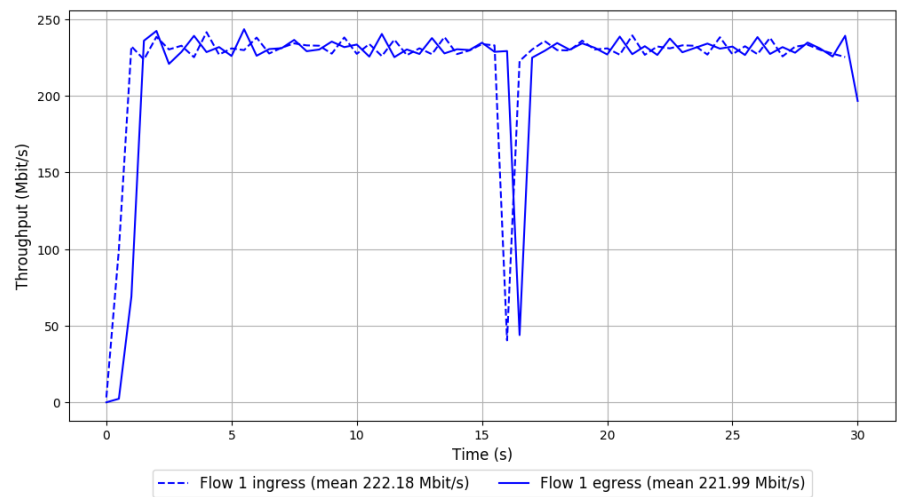
-- Flow 1:

Average throughput: 221.99 Mbit/s

95th percentile per-packet one-way delay: 53.721 ms

Loss rate: 0.34%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-27 02:51:23

End at: 2018-07-27 02:51:53

Local clock offset: -0.05 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-27 06:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.78 Mbit/s

95th percentile per-packet one-way delay: 52.933 ms

Loss rate: 0.34%

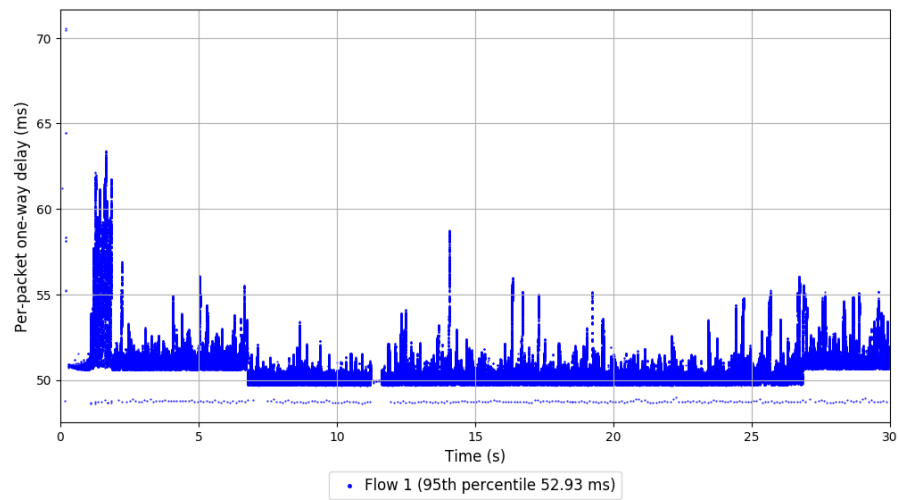
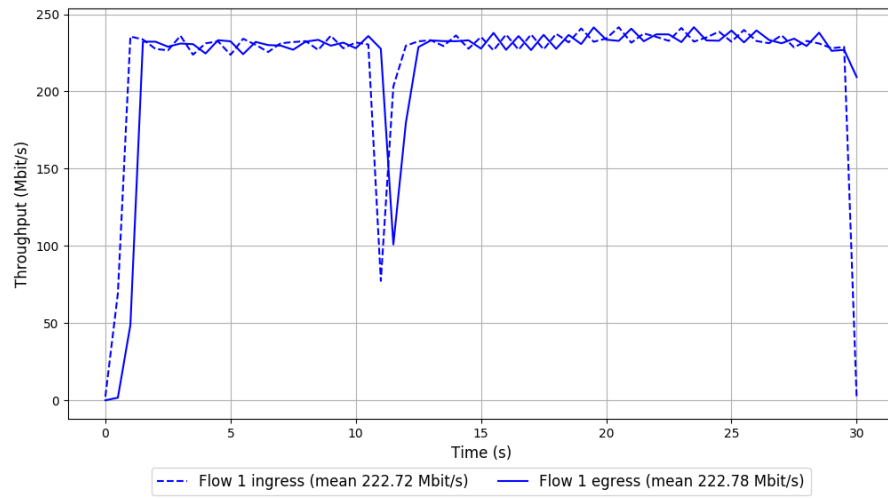
-- Flow 1:

Average throughput: 222.78 Mbit/s

95th percentile per-packet one-way delay: 52.933 ms

Loss rate: 0.34%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-27 03:13:25

End at: 2018-07-27 03:13:55

Local clock offset: -0.029 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-27 06:05:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.20 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 0.36%

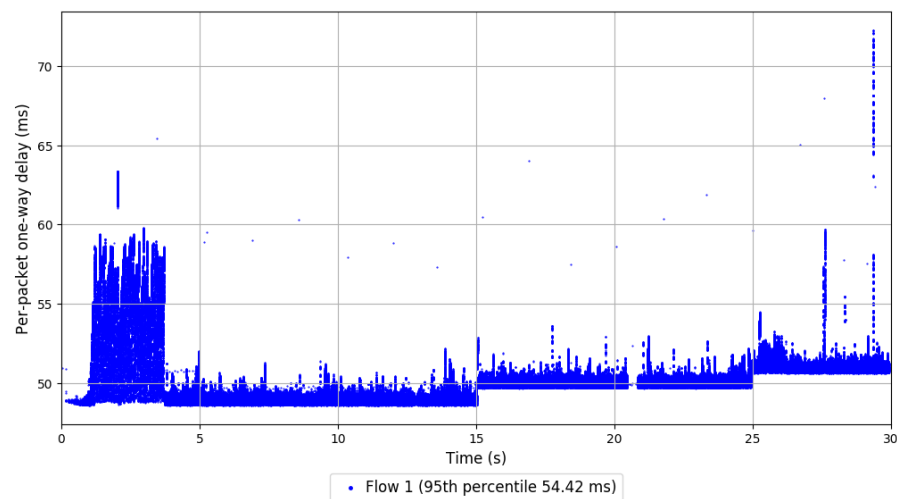
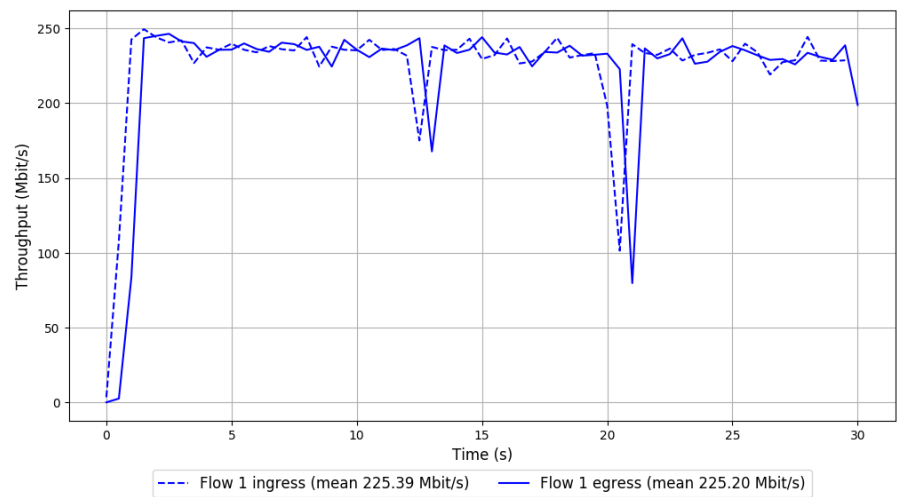
-- Flow 1:

Average throughput: 225.20 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 0.36%

Run 3: Report of TCP BBR — Data Link

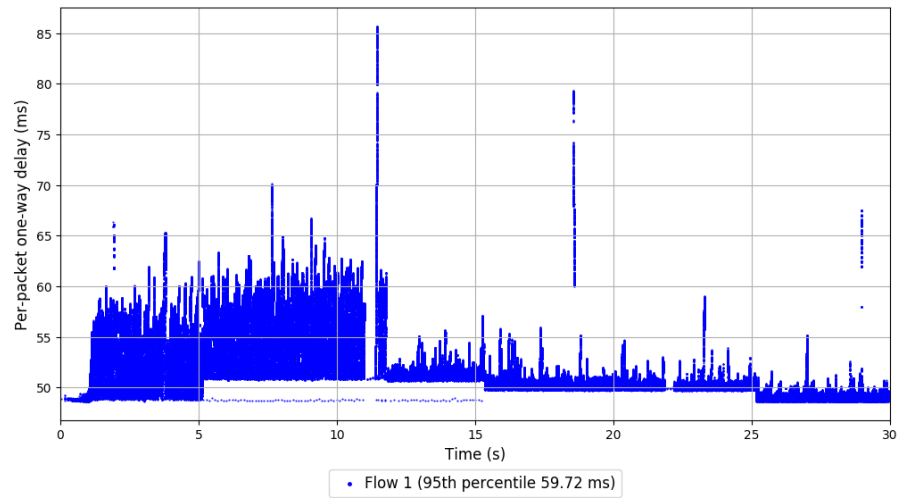
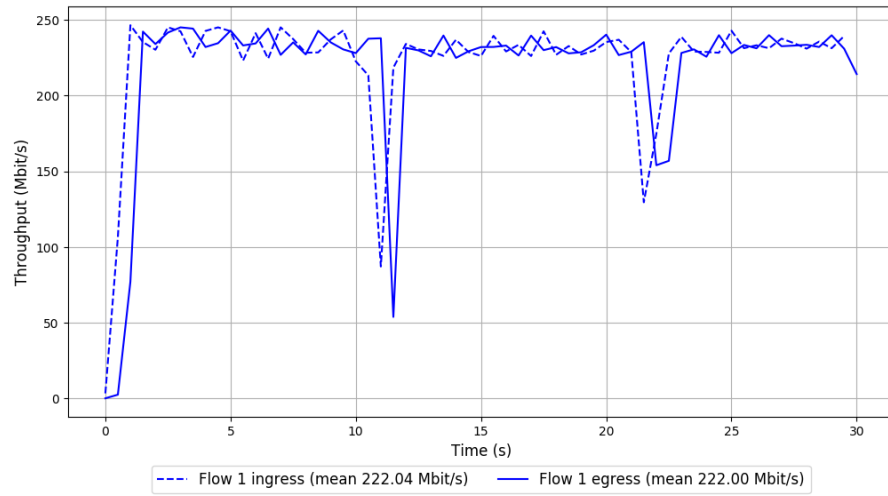


Run 4: Statistics of TCP BBR

Start at: 2018-07-27 03:35:05
End at: 2018-07-27 03:35:35
Local clock offset: -0.194 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-27 06:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.00 Mbit/s
95th percentile per-packet one-way delay: 59.717 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 222.00 Mbit/s
95th percentile per-packet one-way delay: 59.717 ms
Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link

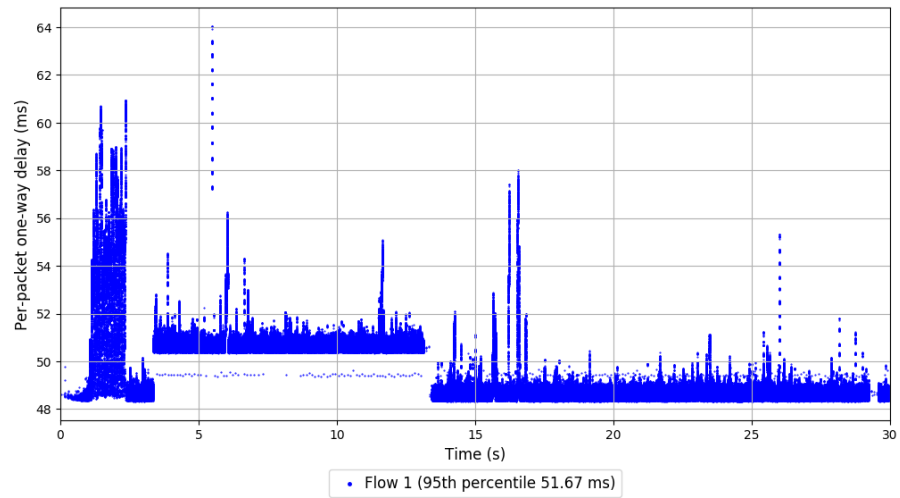
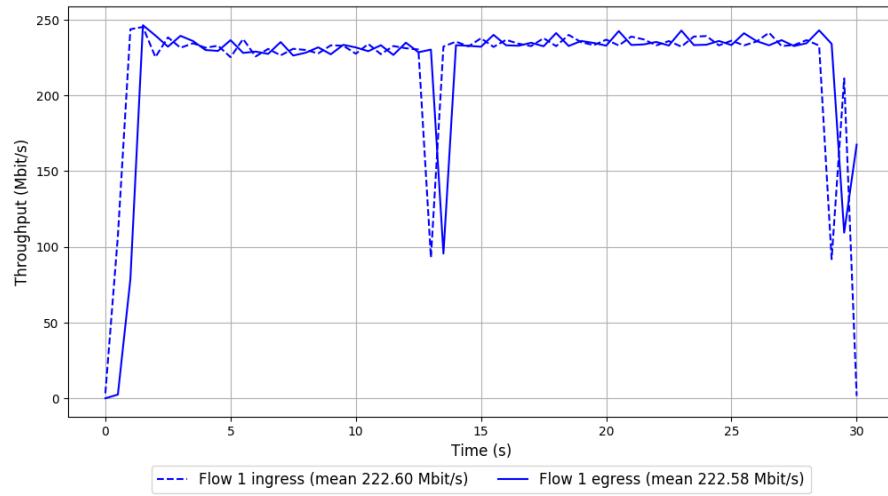


Run 5: Statistics of TCP BBR

Start at: 2018-07-27 03:56:47
End at: 2018-07-27 03:57:17
Local clock offset: -0.415 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 06:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 51.672 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 51.672 ms
Loss rate: 0.34%

Run 5: Report of TCP BBR — Data Link

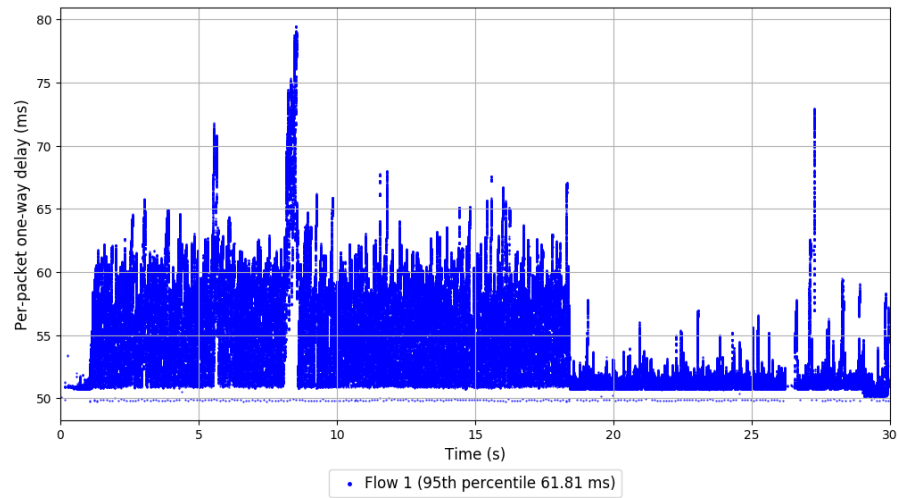
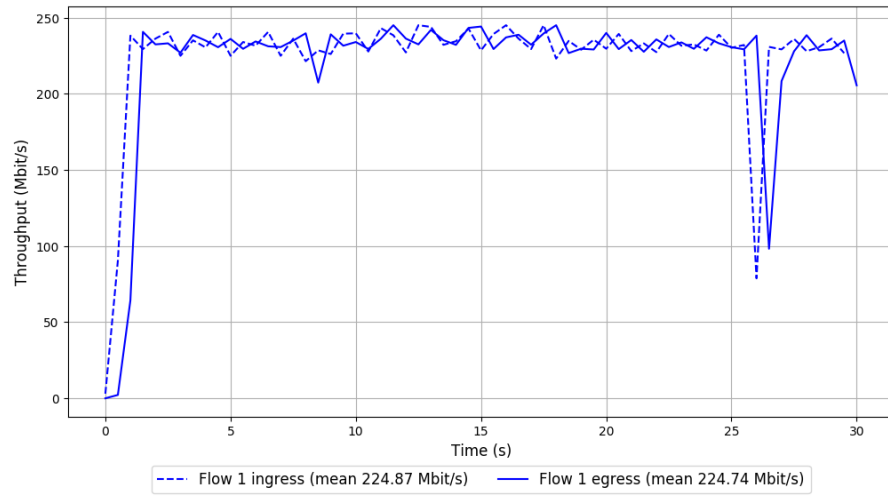


Run 6: Statistics of TCP BBR

Start at: 2018-07-27 04:18:31
End at: 2018-07-27 04:19:01
Local clock offset: -0.012 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 06:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.74 Mbit/s
95th percentile per-packet one-way delay: 61.807 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 224.74 Mbit/s
95th percentile per-packet one-way delay: 61.807 ms
Loss rate: 0.34%

Run 6: Report of TCP BBR — Data Link

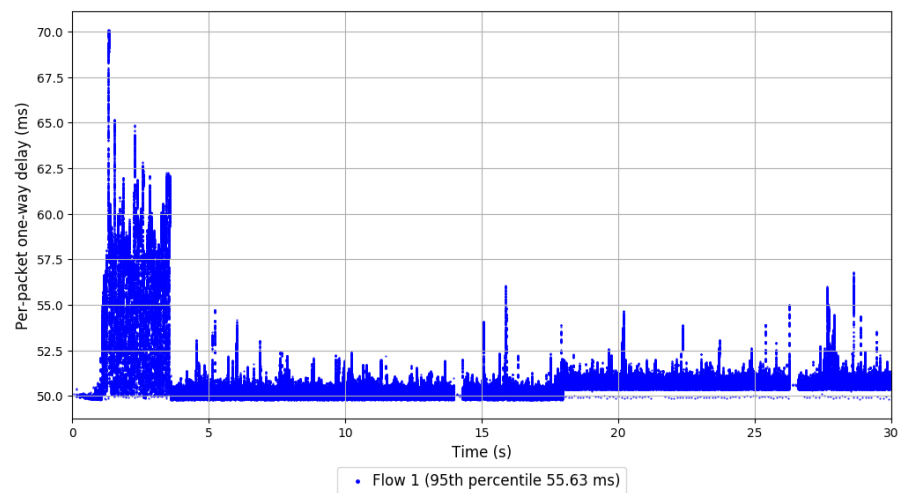
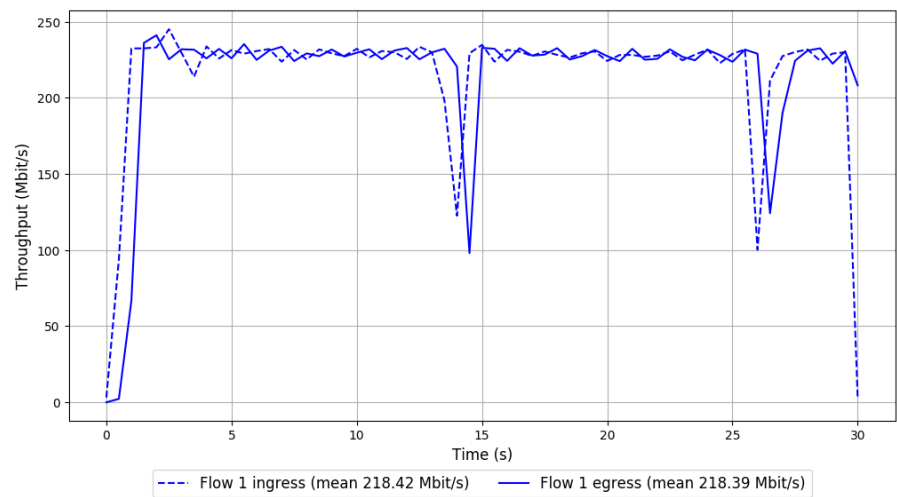


Run 7: Statistics of TCP BBR

Start at: 2018-07-27 04:40:22
End at: 2018-07-27 04:40:52
Local clock offset: -0.373 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-27 06:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.39 Mbit/s
95th percentile per-packet one-way delay: 55.633 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 218.39 Mbit/s
95th percentile per-packet one-way delay: 55.633 ms
Loss rate: 0.36%

Run 7: Report of TCP BBR — Data Link

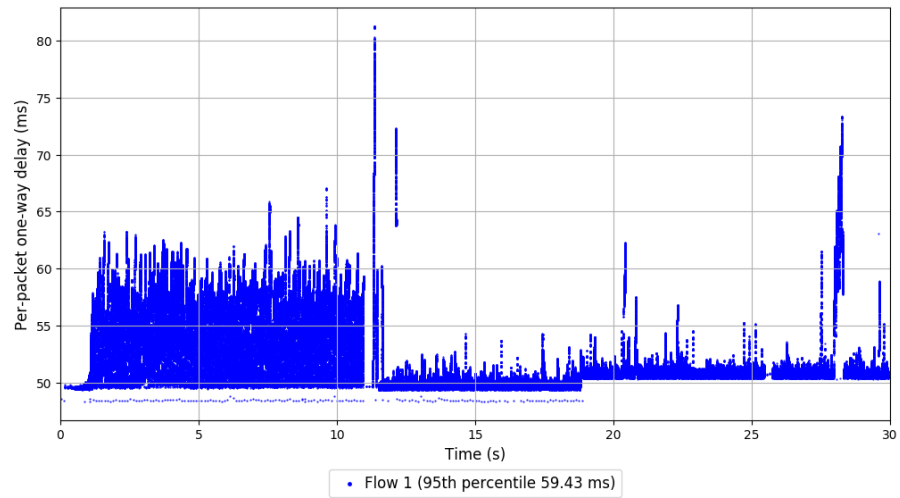
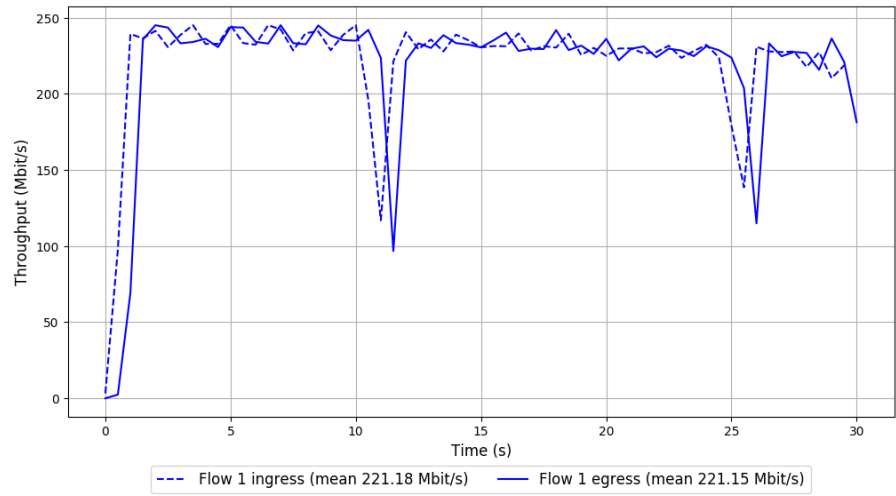


Run 8: Statistics of TCP BBR

Start at: 2018-07-27 05:02:11
End at: 2018-07-27 05:02:41
Local clock offset: -0.397 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-27 06:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 59.433 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 59.433 ms
Loss rate: 0.34%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-27 05:23:53

End at: 2018-07-27 05:24:23

Local clock offset: 0.285 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-27 06:09:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.26 Mbit/s

95th percentile per-packet one-way delay: 116.368 ms

Loss rate: 0.38%

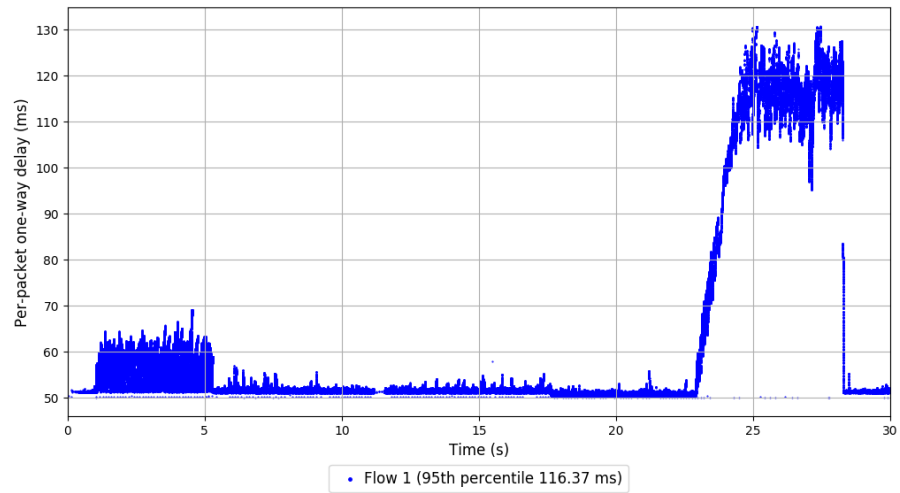
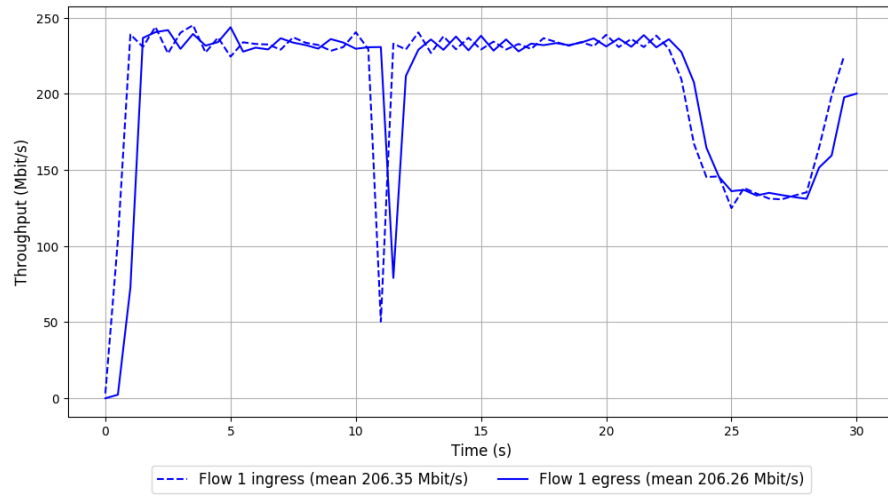
-- Flow 1:

Average throughput: 206.26 Mbit/s

95th percentile per-packet one-way delay: 116.368 ms

Loss rate: 0.38%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-27 05:45:33

End at: 2018-07-27 05:46:03

Local clock offset: 0.346 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-27 06:09:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.45 Mbit/s

95th percentile per-packet one-way delay: 56.957 ms

Loss rate: 0.34%

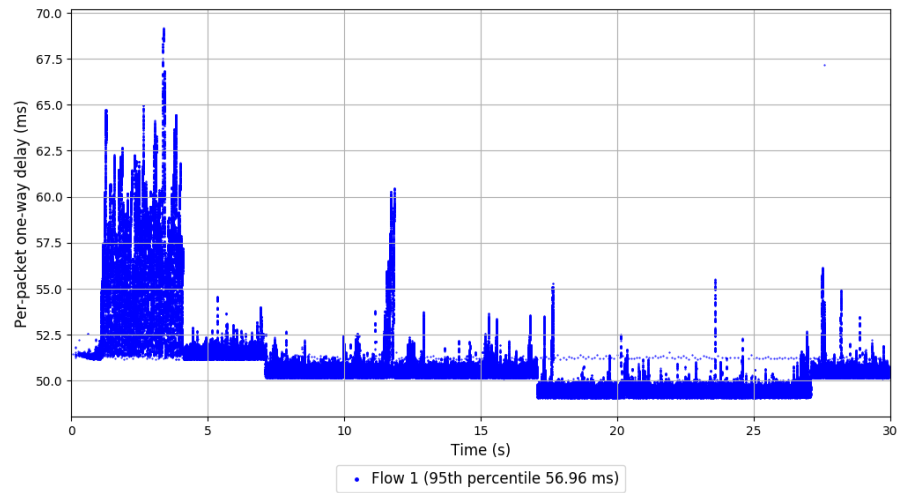
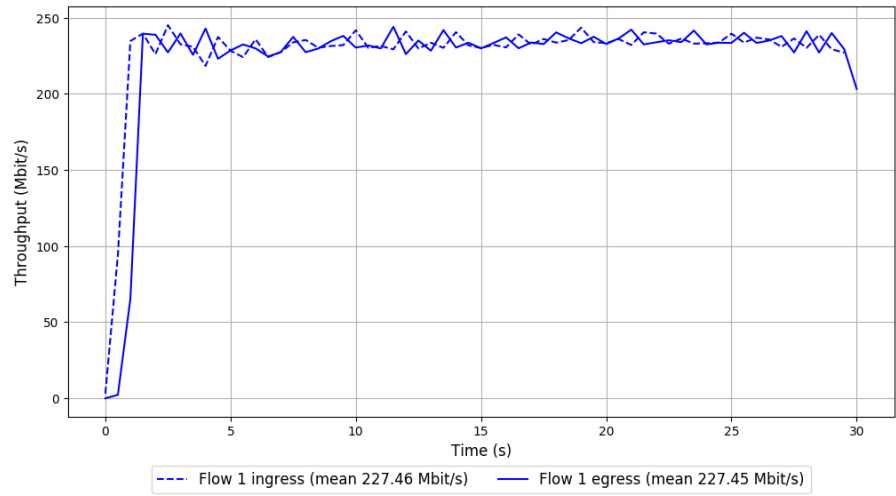
-- Flow 1:

Average throughput: 227.45 Mbit/s

95th percentile per-packet one-way delay: 56.957 ms

Loss rate: 0.34%

Run 10: Report of TCP BBR — Data Link

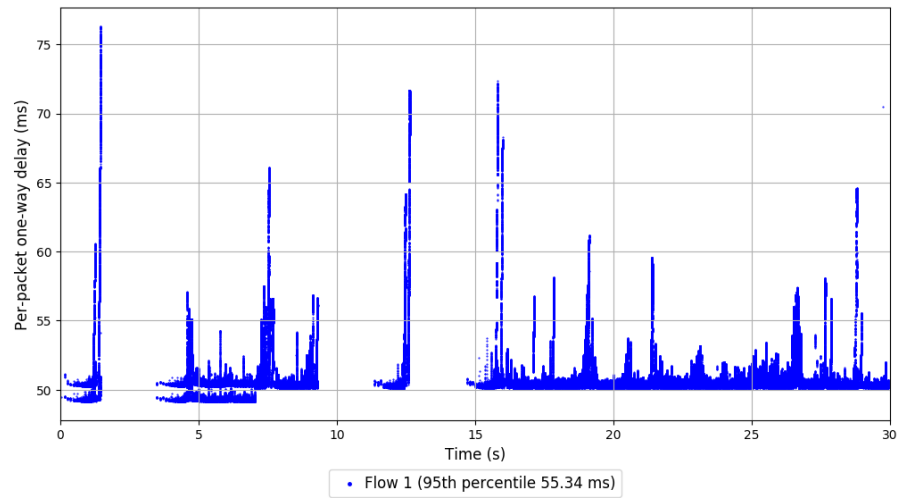
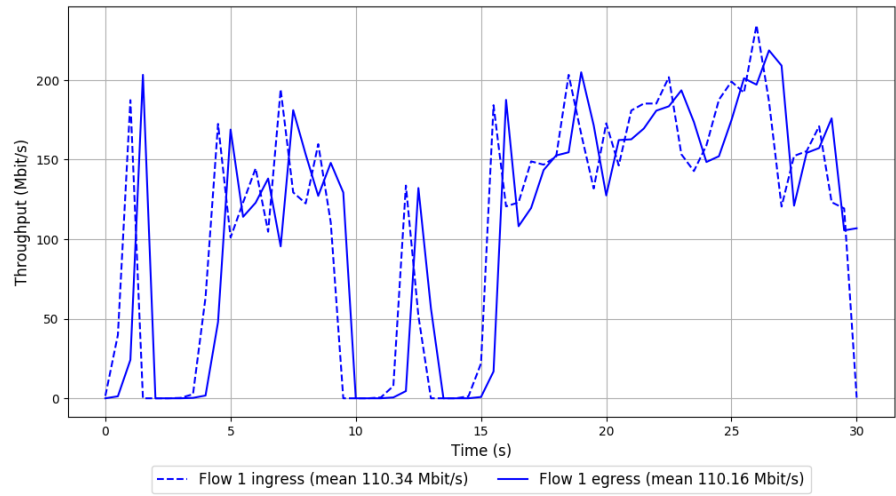


Run 1: Statistics of Copa

Start at: 2018-07-27 02:28:43
End at: 2018-07-27 02:29:13
Local clock offset: -0.483 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-27 06:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.16 Mbit/s
95th percentile per-packet one-way delay: 55.339 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 110.16 Mbit/s
95th percentile per-packet one-way delay: 55.339 ms
Loss rate: 0.50%

Run 1: Report of Copa — Data Link

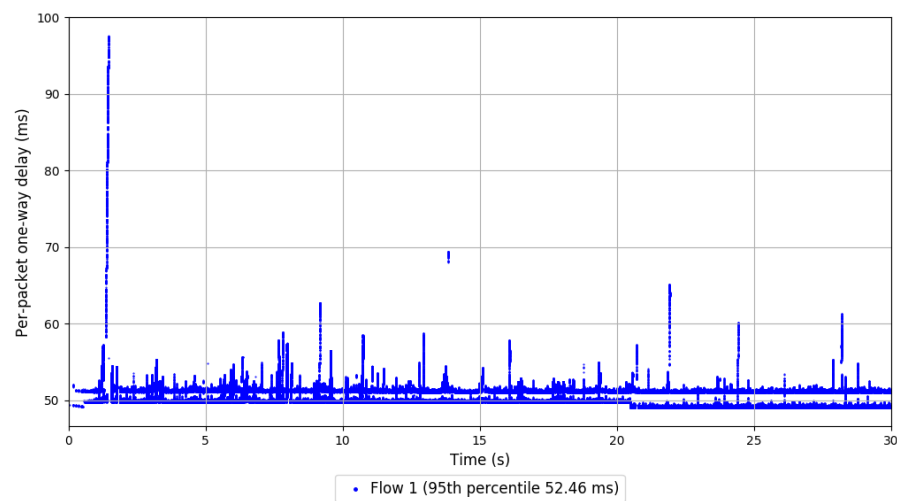
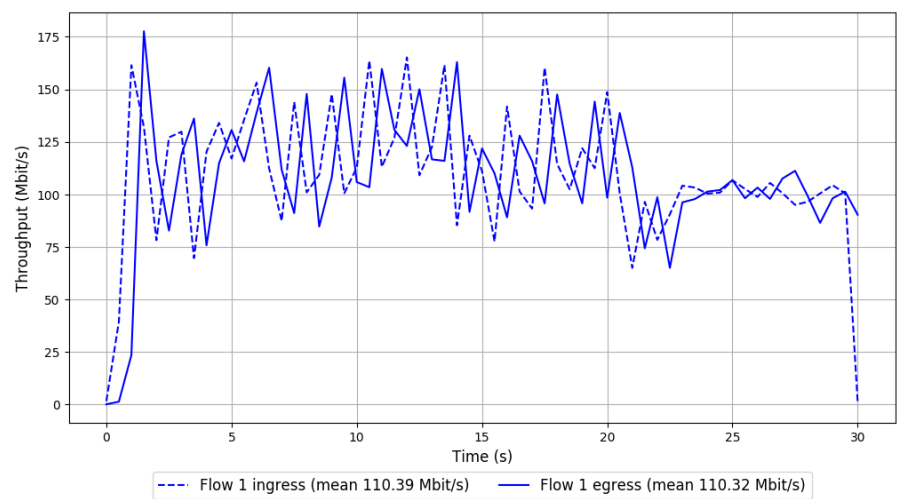


Run 2: Statistics of Copa

Start at: 2018-07-27 02:50:09
End at: 2018-07-27 02:50:39
Local clock offset: 0.333 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-27 06:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.32 Mbit/s
95th percentile per-packet one-way delay: 52.459 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 110.32 Mbit/s
95th percentile per-packet one-way delay: 52.459 ms
Loss rate: 0.40%

Run 2: Report of Copa — Data Link

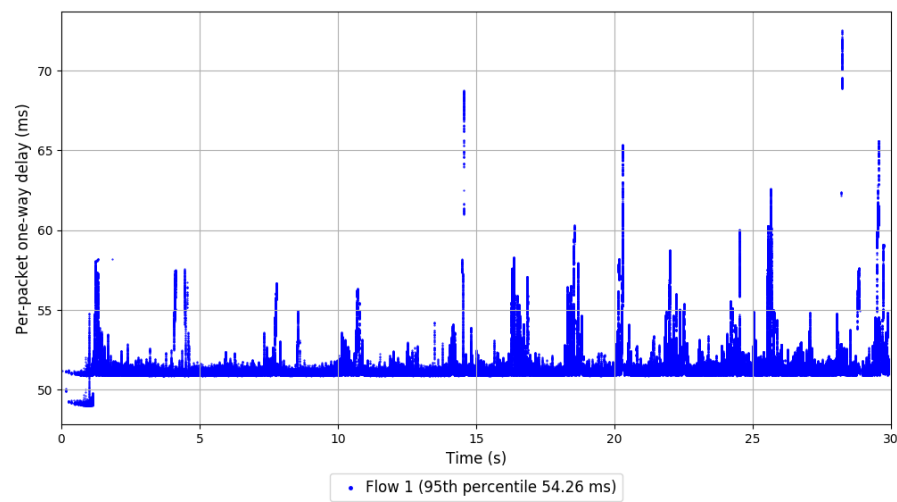
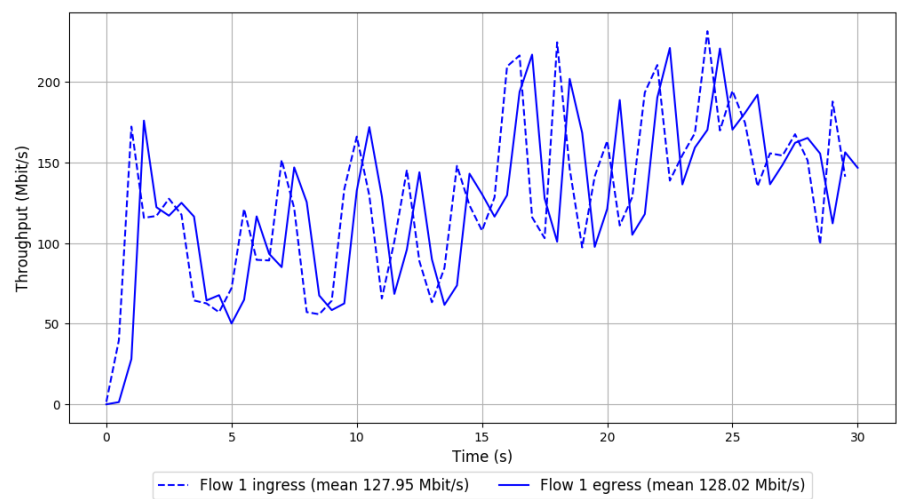


Run 3: Statistics of Copa

Start at: 2018-07-27 03:12:09
End at: 2018-07-27 03:12:39
Local clock offset: 0.363 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-27 06:09:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.02 Mbit/s
95th percentile per-packet one-way delay: 54.261 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 128.02 Mbit/s
95th percentile per-packet one-way delay: 54.261 ms
Loss rate: 0.37%

Run 3: Report of Copa — Data Link

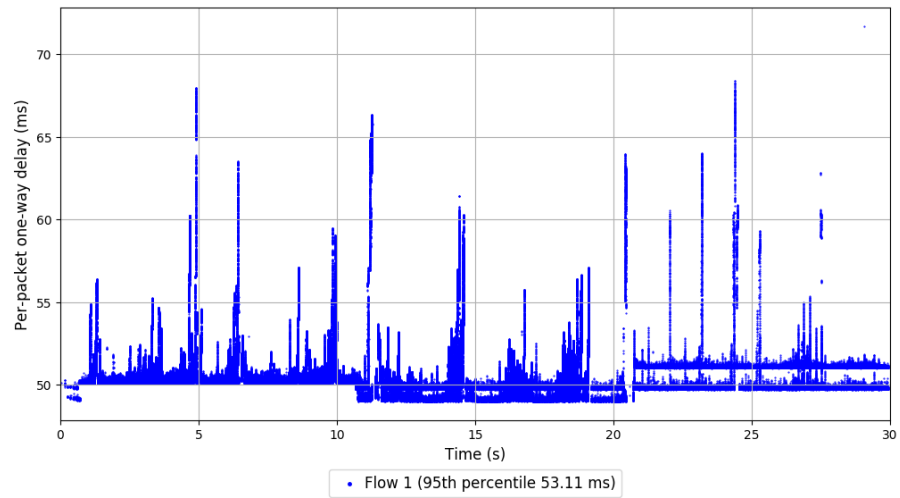
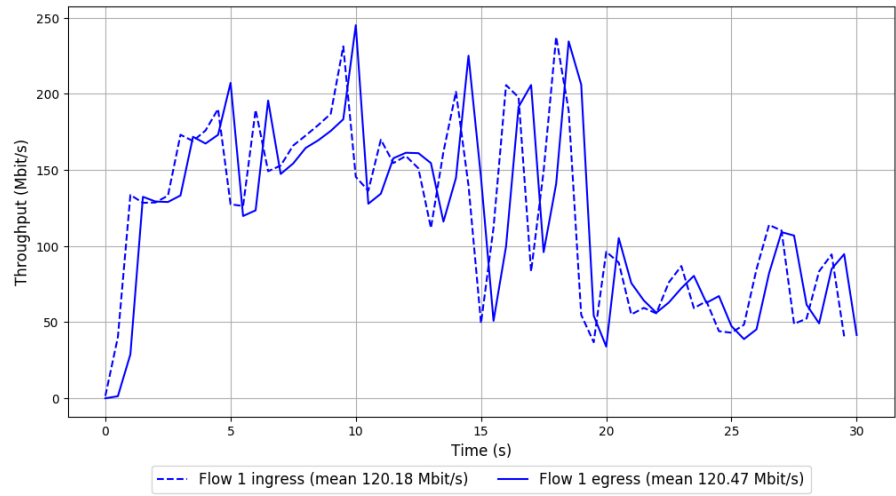


Run 4: Statistics of Copa

Start at: 2018-07-27 03:33:49
End at: 2018-07-27 03:34:19
Local clock offset: 0.197 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-27 06:09:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.47 Mbit/s
95th percentile per-packet one-way delay: 53.111 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 120.47 Mbit/s
95th percentile per-packet one-way delay: 53.111 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-27 03:55:31

End at: 2018-07-27 03:56:01

Local clock offset: -0.089 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-27 06:09:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.31 Mbit/s

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

Loss rate: 0.15%

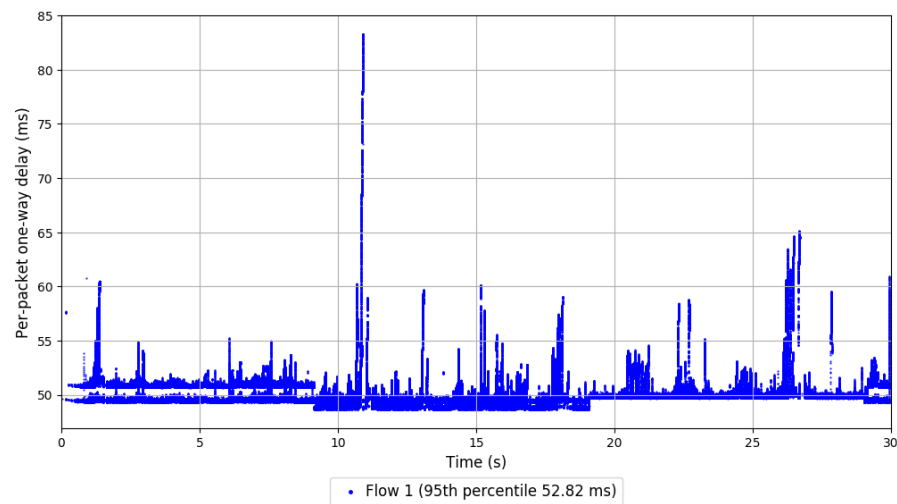
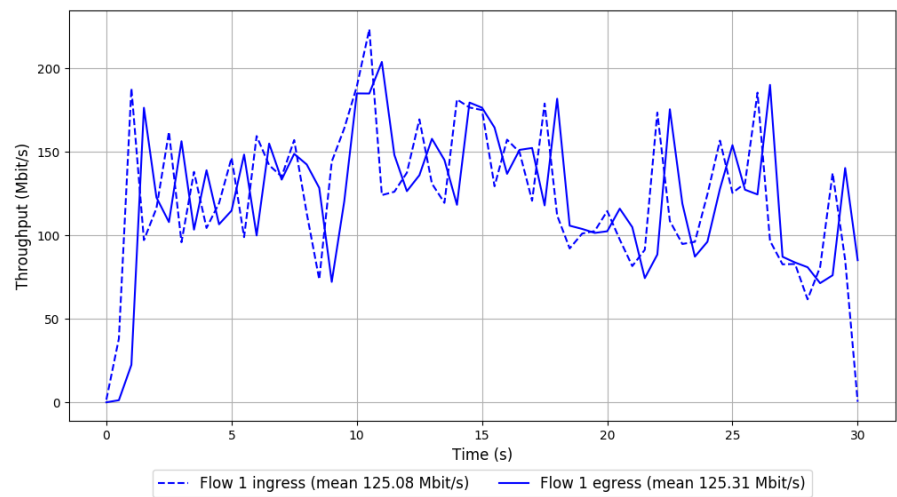
-- Flow 1:

Average throughput: 125.31 Mbit/s

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

Loss rate: 0.15%

Run 5: Report of Copa — Data Link

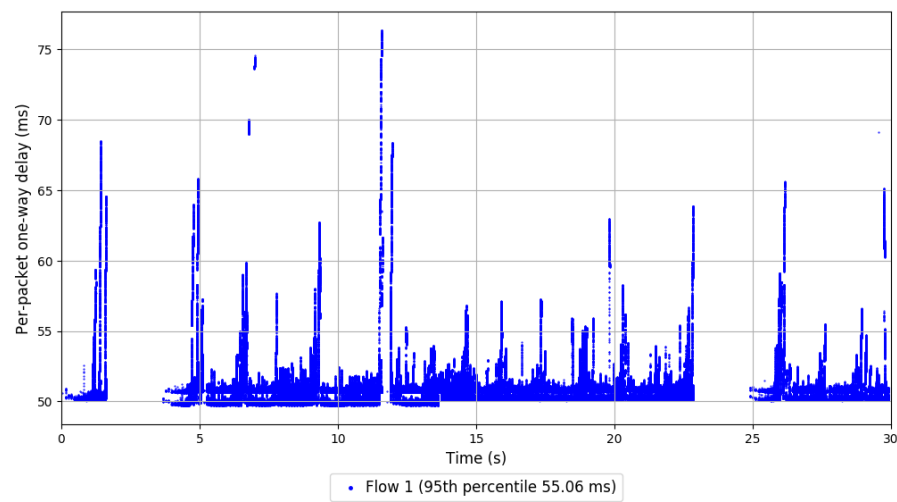
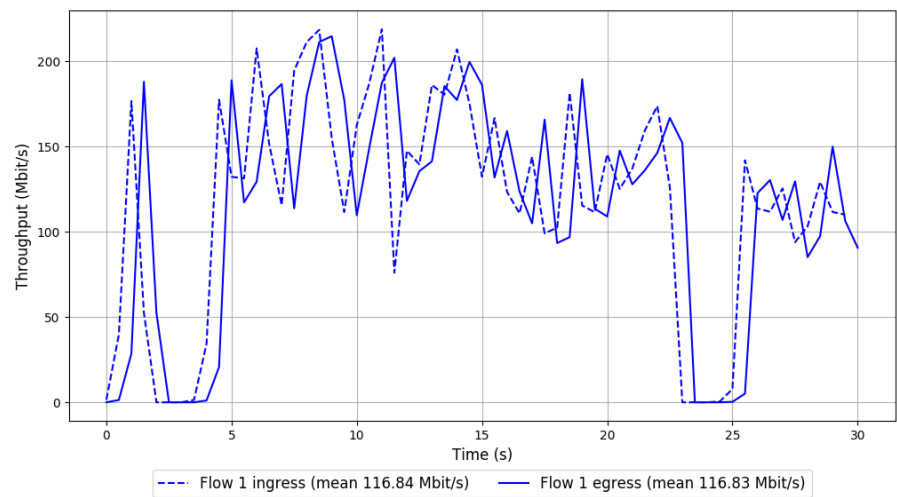


Run 6: Statistics of Copa

Start at: 2018-07-27 04:17:16
End at: 2018-07-27 04:17:46
Local clock offset: -0.039 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-27 06:09:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.83 Mbit/s
95th percentile per-packet one-way delay: 55.065 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 116.83 Mbit/s
95th percentile per-packet one-way delay: 55.065 ms
Loss rate: 0.35%

Run 6: Report of Copa — Data Link

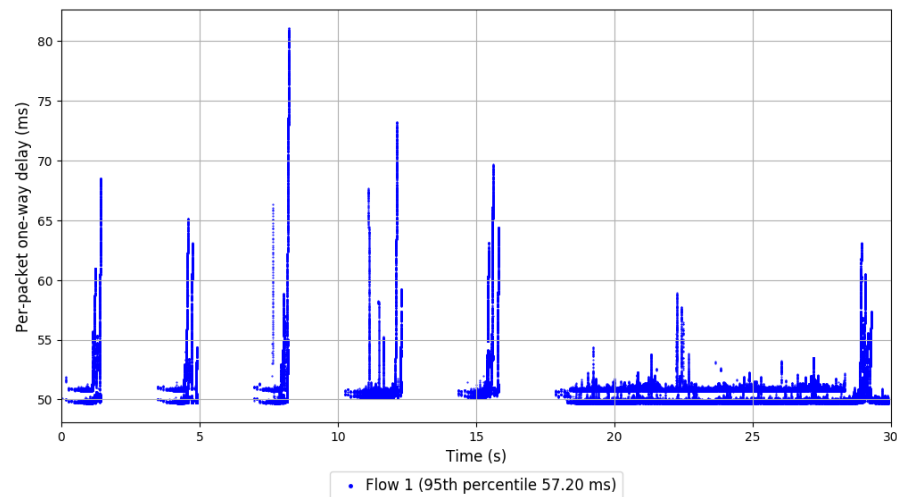
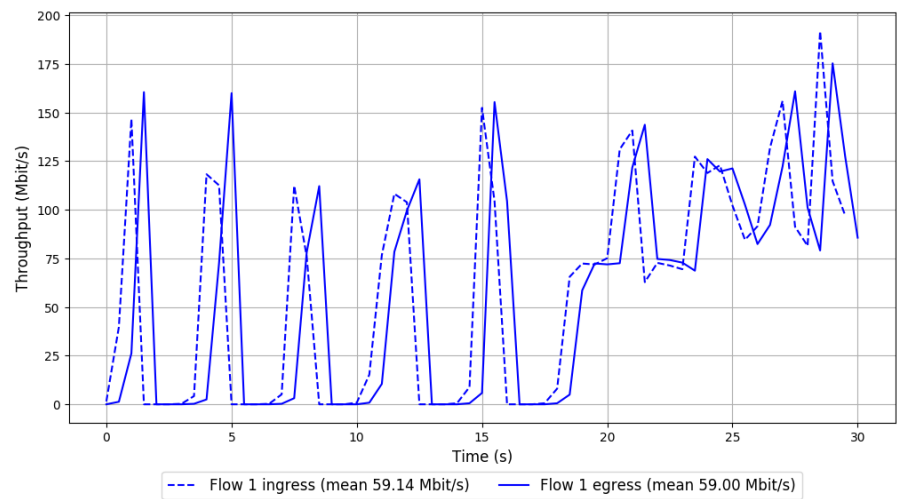


Run 7: Statistics of Copa

Start at: 2018-07-27 04:39:12
End at: 2018-07-27 04:39:42
Local clock offset: -0.021 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-27 06:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 57.203 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 57.203 ms
Loss rate: 0.58%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-27 05:00:57

End at: 2018-07-27 05:01:27

Local clock offset: -0.383 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-27 06:12:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.63 Mbit/s

95th percentile per-packet one-way delay: 56.219 ms

Loss rate: 0.38%

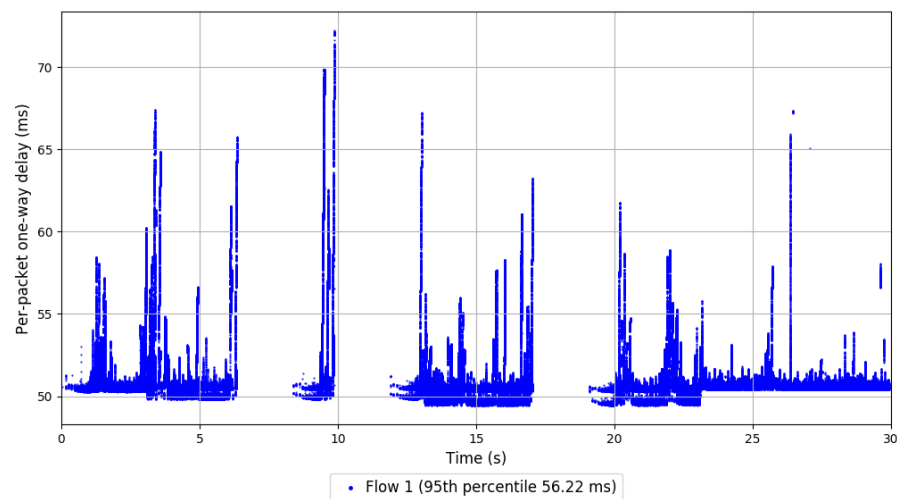
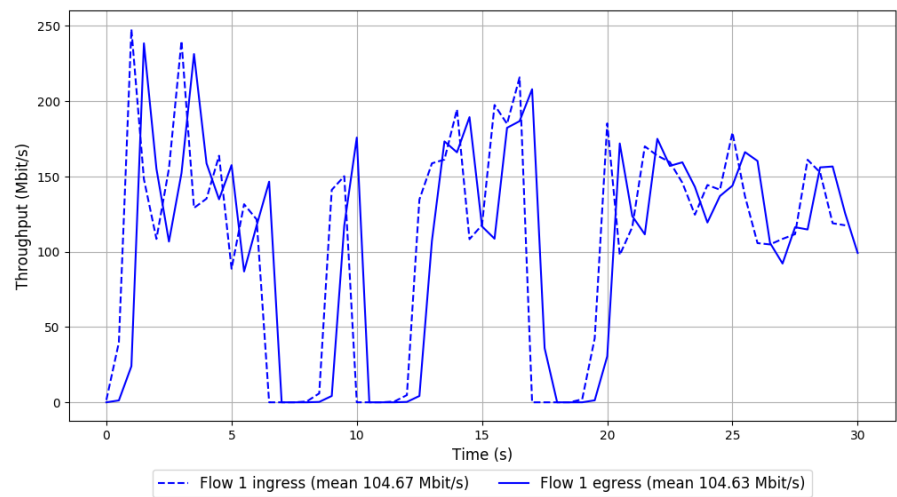
-- Flow 1:

Average throughput: 104.63 Mbit/s

95th percentile per-packet one-way delay: 56.219 ms

Loss rate: 0.38%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-27 05:22:42

End at: 2018-07-27 05:23:12

Local clock offset: -0.419 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-27 06:12:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.48 Mbit/s

95th percentile per-packet one-way delay: 52.788 ms

Loss rate: 0.00%

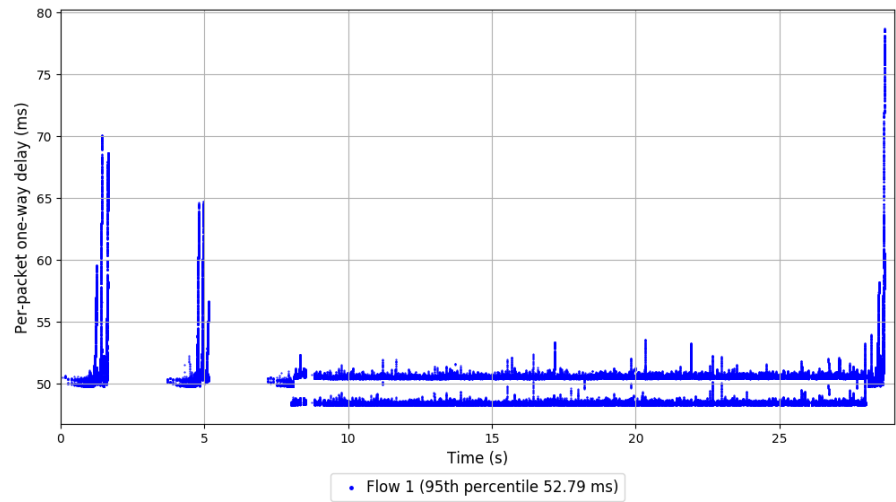
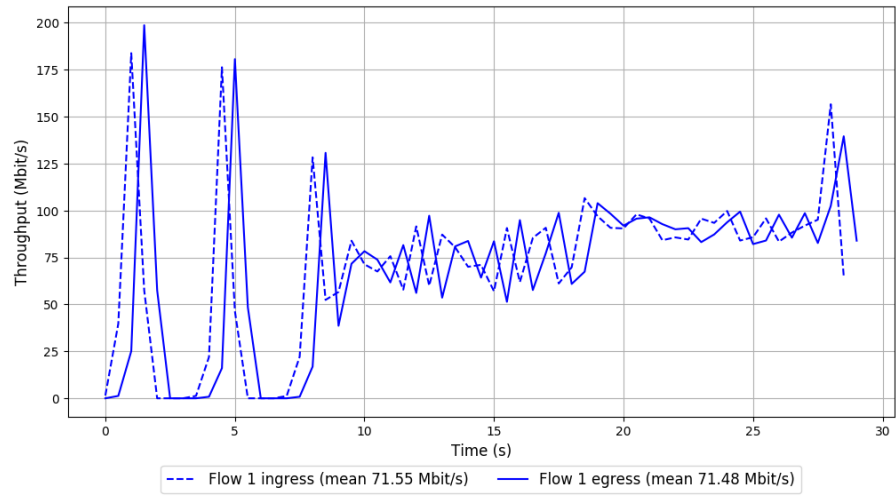
-- Flow 1:

Average throughput: 71.48 Mbit/s

95th percentile per-packet one-way delay: 52.788 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-27 05:44:19

End at: 2018-07-27 05:44:49

Local clock offset: -0.032 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-27 06:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.48 Mbit/s

95th percentile per-packet one-way delay: 57.254 ms

Loss rate: 0.24%

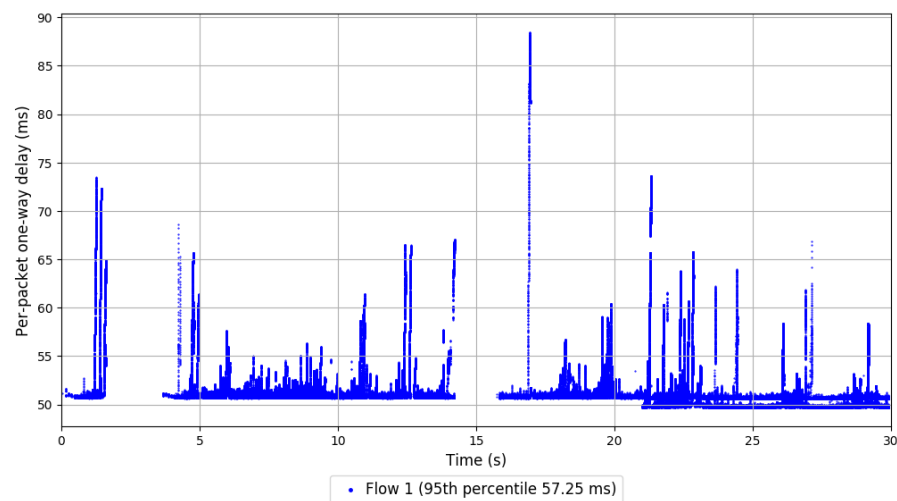
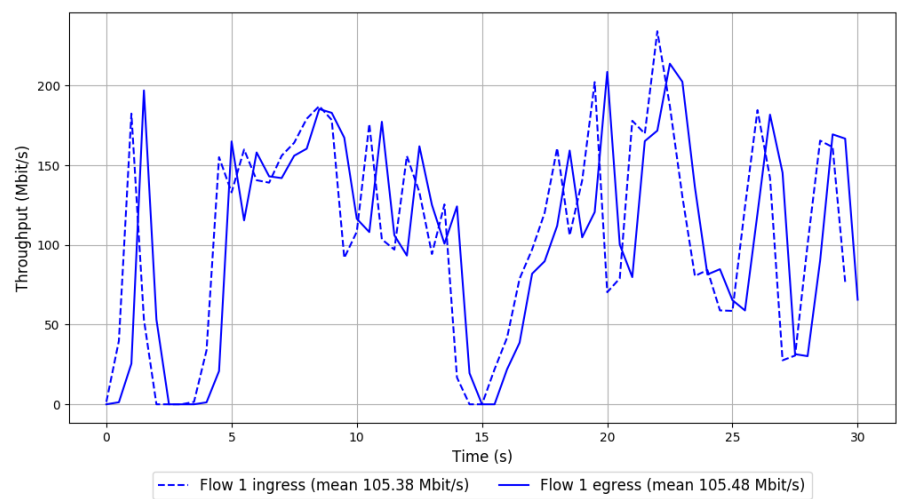
-- Flow 1:

Average throughput: 105.48 Mbit/s

95th percentile per-packet one-way delay: 57.254 ms

Loss rate: 0.24%

Run 10: Report of Copa — Data Link

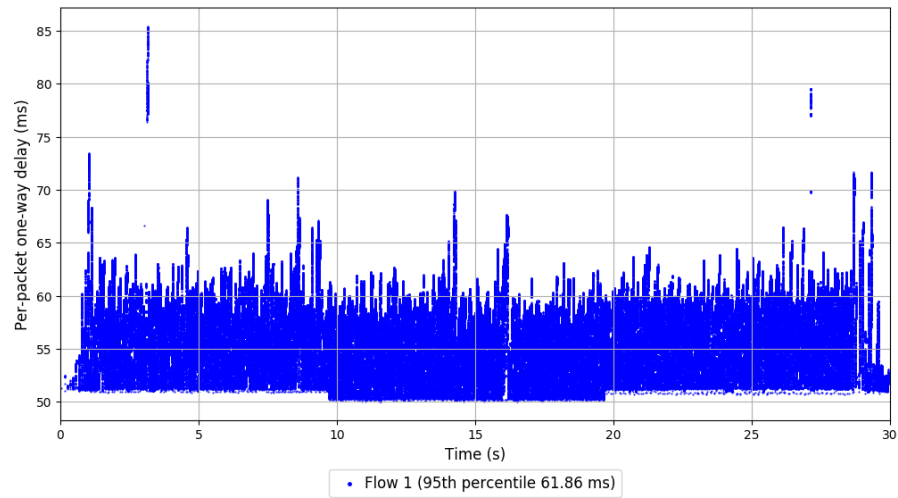
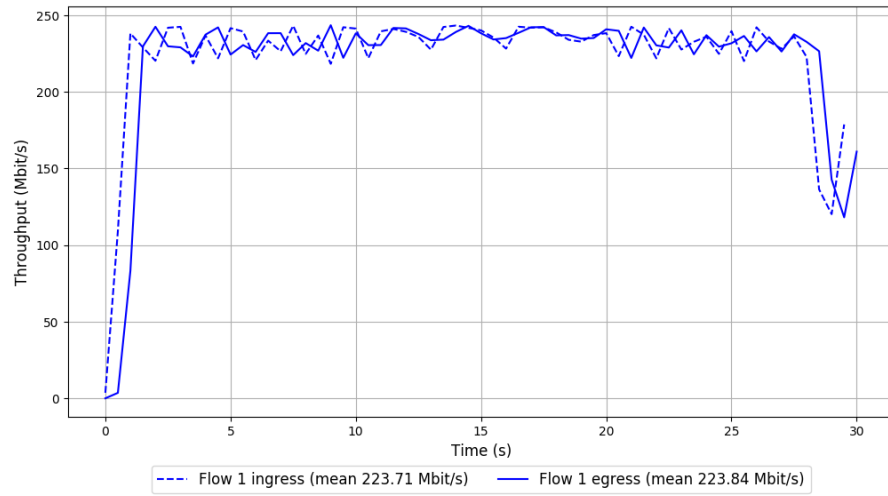


Run 1: Statistics of TCP Cubic

Start at: 2018-07-27 02:15:20
End at: 2018-07-27 02:15:50
Local clock offset: 0.276 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-27 06:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.84 Mbit/s
95th percentile per-packet one-way delay: 61.861 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 223.84 Mbit/s
95th percentile per-packet one-way delay: 61.861 ms
Loss rate: 0.28%

Run 1: Report of TCP Cubic — Data Link

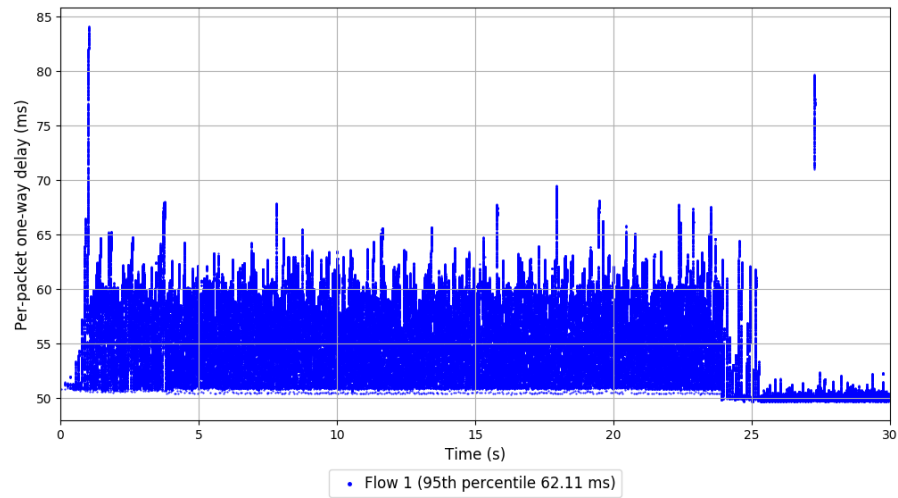
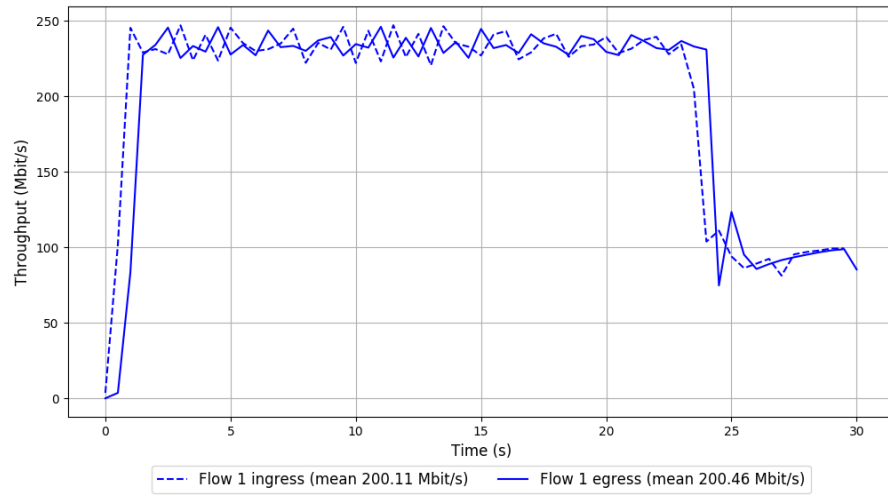


Run 2: Statistics of TCP Cubic

Start at: 2018-07-27 02:36:56
End at: 2018-07-27 02:37:26
Local clock offset: -0.103 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-27 06:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.46 Mbit/s
95th percentile per-packet one-way delay: 62.113 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 200.46 Mbit/s
95th percentile per-packet one-way delay: 62.113 ms
Loss rate: 0.17%

Run 2: Report of TCP Cubic — Data Link

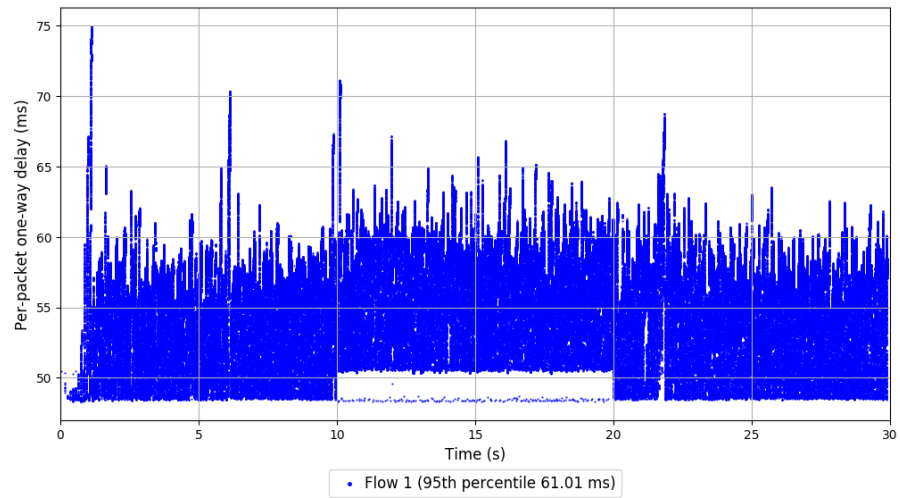
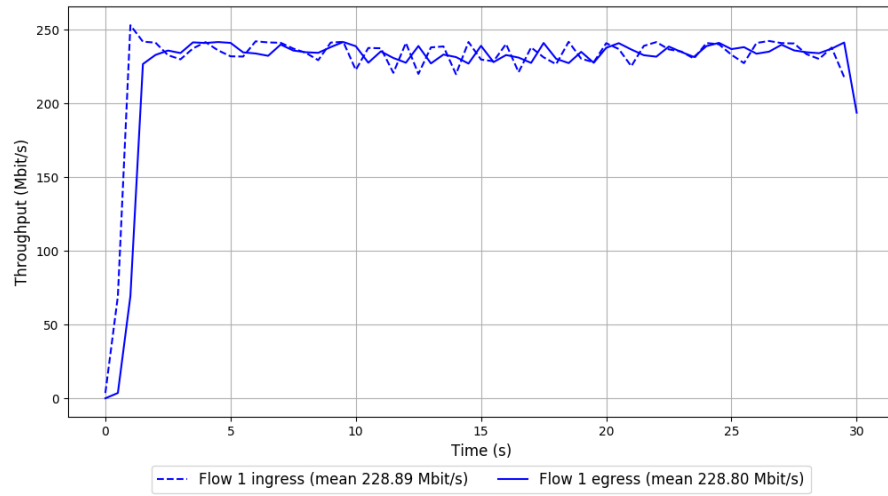


Run 3: Statistics of TCP Cubic

Start at: 2018-07-27 02:58:40
End at: 2018-07-27 02:59:10
Local clock offset: -0.367 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-27 06:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.80 Mbit/s
95th percentile per-packet one-way delay: 61.012 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 228.80 Mbit/s
95th percentile per-packet one-way delay: 61.012 ms
Loss rate: 0.35%

Run 3: Report of TCP Cubic — Data Link

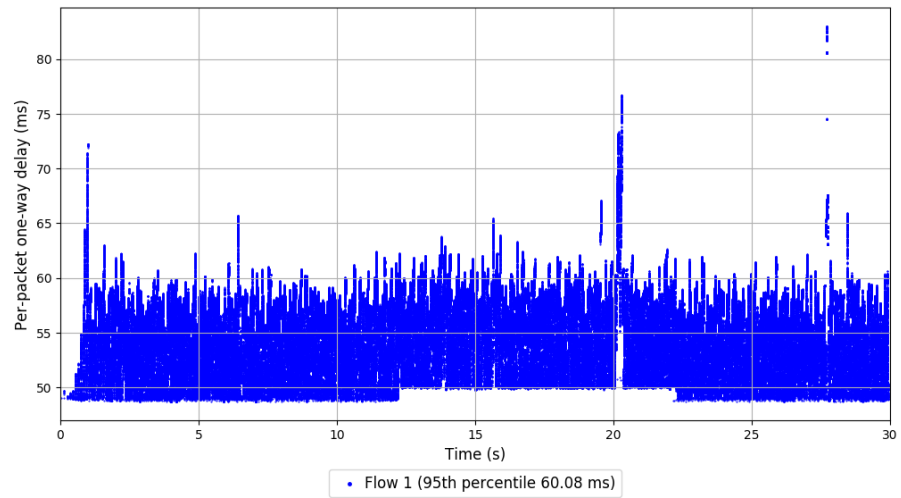
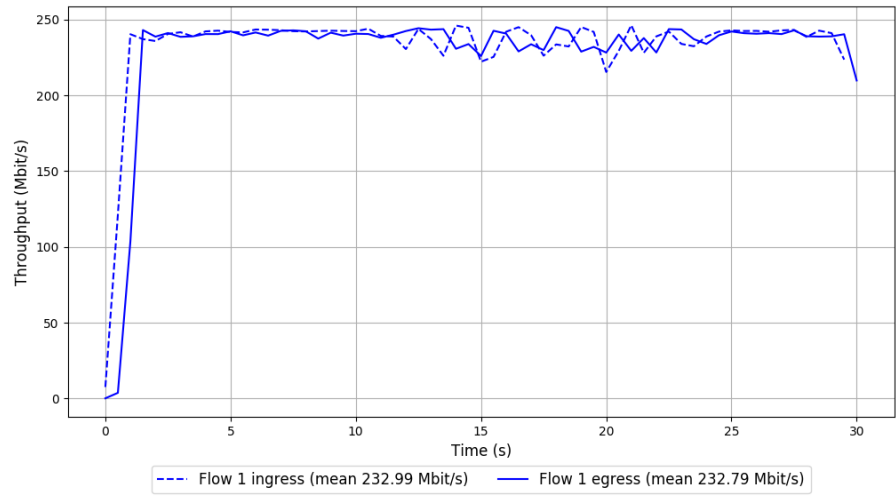


Run 4: Statistics of TCP Cubic

Start at: 2018-07-27 03:20:28
End at: 2018-07-27 03:20:58
Local clock offset: -0.049 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-27 06:13:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.79 Mbit/s
95th percentile per-packet one-way delay: 60.080 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 232.79 Mbit/s
95th percentile per-packet one-way delay: 60.080 ms
Loss rate: 0.33%

Run 4: Report of TCP Cubic — Data Link

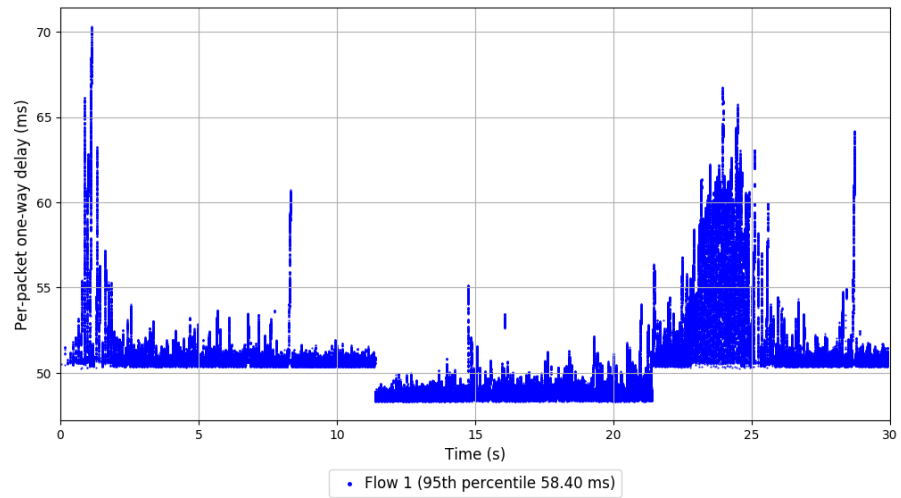
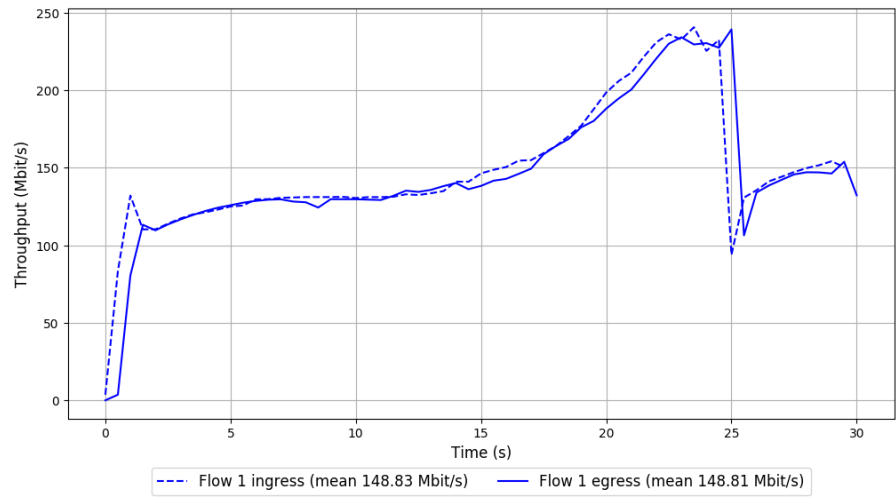


Run 5: Statistics of TCP Cubic

Start at: 2018-07-27 03:42:09
End at: 2018-07-27 03:42:39
Local clock offset: -0.515 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-27 06:13:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.81 Mbit/s
95th percentile per-packet one-way delay: 58.403 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 148.81 Mbit/s
95th percentile per-packet one-way delay: 58.403 ms
Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link

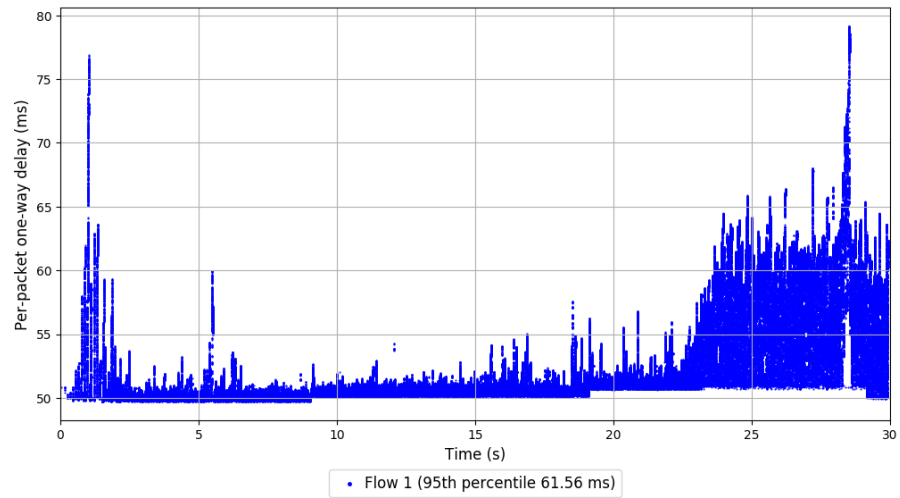
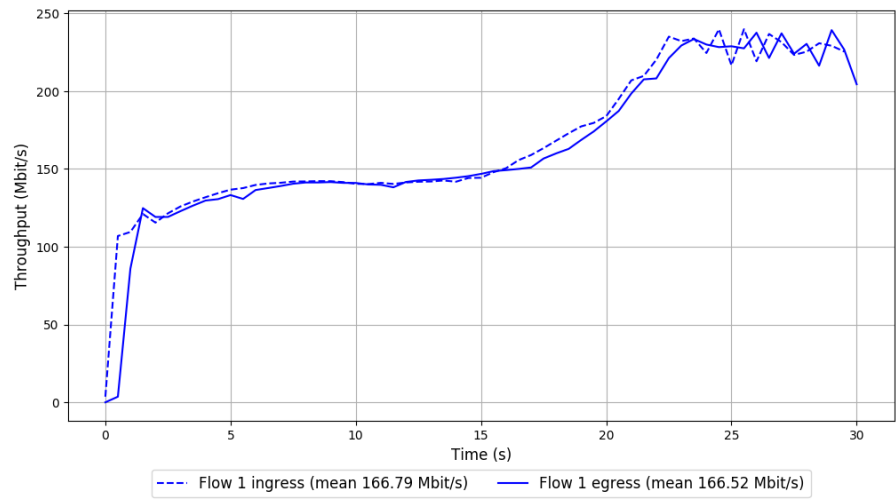


Run 6: Statistics of TCP Cubic

Start at: 2018-07-27 04:03:51
End at: 2018-07-27 04:04:21
Local clock offset: -0.086 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-27 06:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.52 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 166.52 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.48%

Run 6: Report of TCP Cubic — Data Link

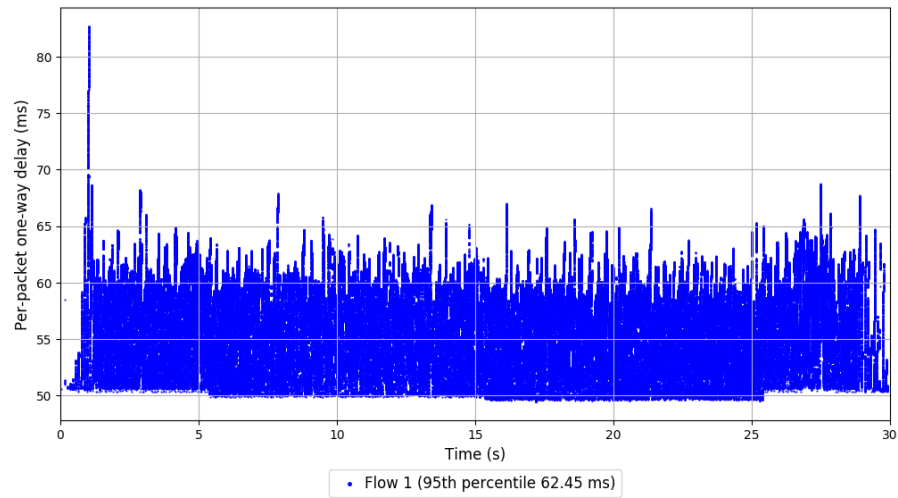
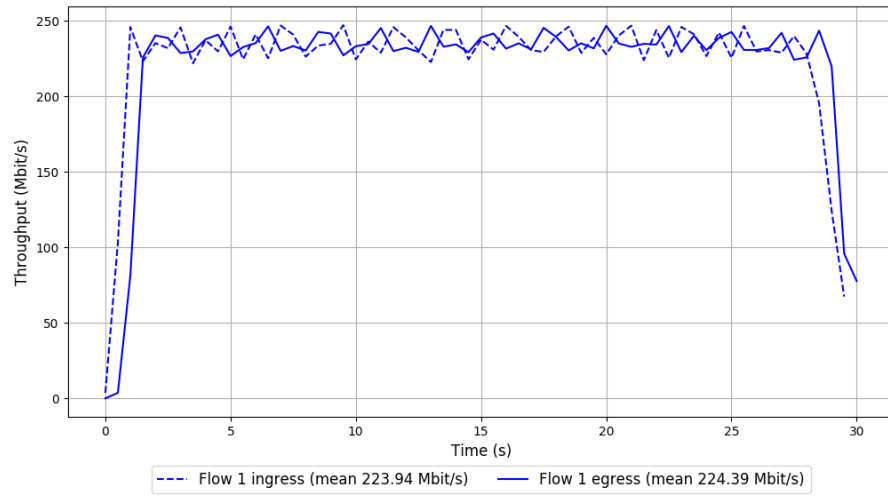


Run 7: Statistics of TCP Cubic

Start at: 2018-07-27 04:25:35
End at: 2018-07-27 04:26:05
Local clock offset: -0.37 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-27 06:16:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.39 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 224.39 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link

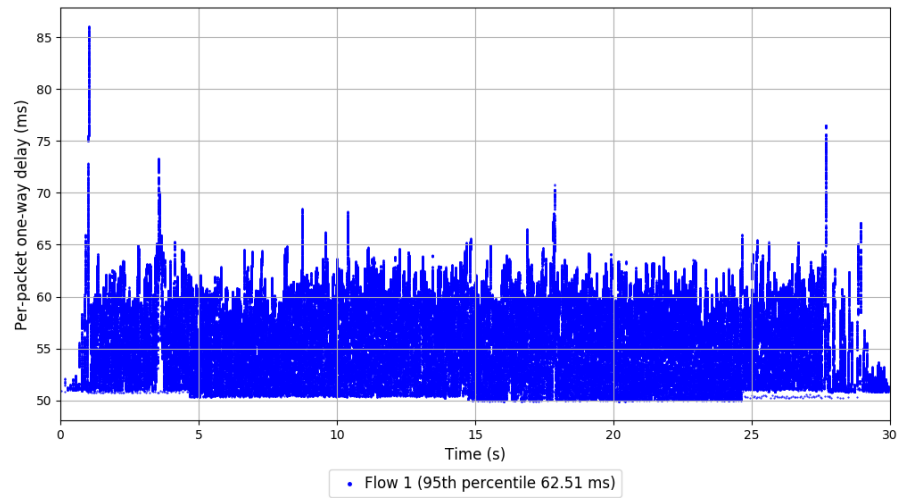
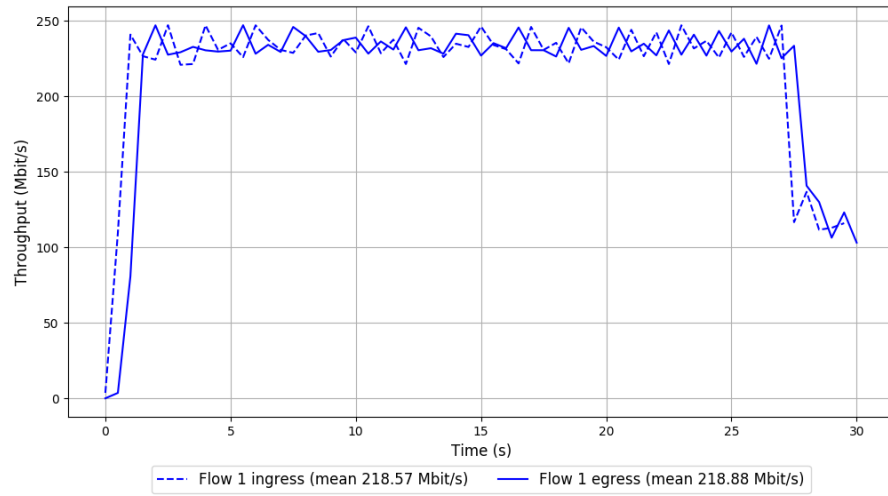


Run 8: Statistics of TCP Cubic

Start at: 2018-07-27 04:47:25
End at: 2018-07-27 04:47:55
Local clock offset: -0.038 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-27 06:16:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 62.513 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 62.513 ms
Loss rate: 0.19%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-27 05:09:16

End at: 2018-07-27 05:09:46

Local clock offset: 0.038 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-27 06:16:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.84 Mbit/s

95th percentile per-packet one-way delay: 62.126 ms

Loss rate: 0.13%

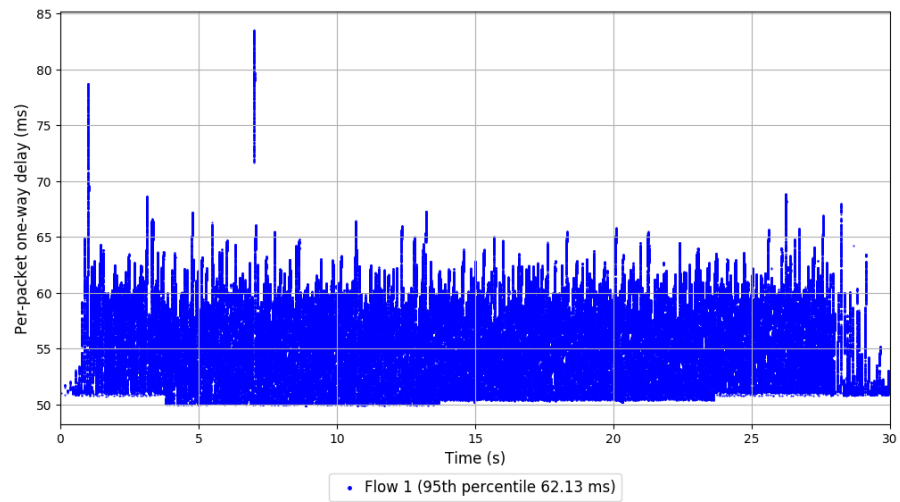
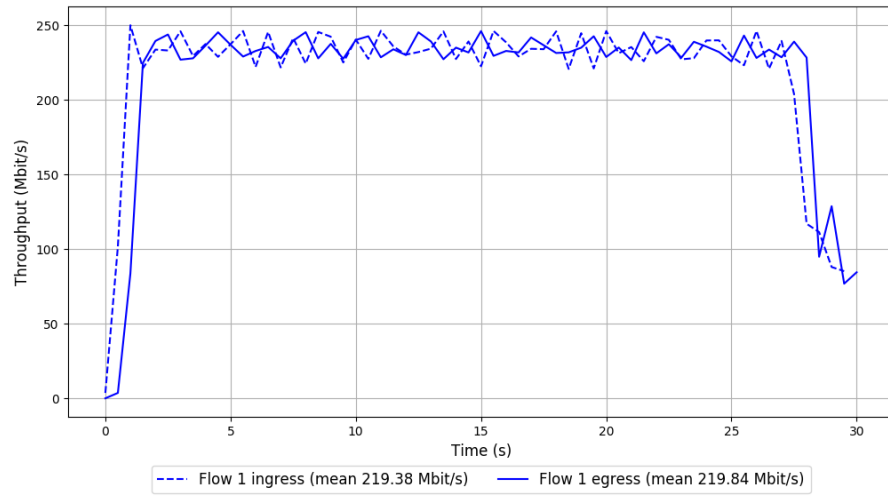
-- Flow 1:

Average throughput: 219.84 Mbit/s

95th percentile per-packet one-way delay: 62.126 ms

Loss rate: 0.13%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-27 05:30:54

End at: 2018-07-27 05:31:24

Local clock offset: 0.298 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-27 06:16:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.67 Mbit/s

95th percentile per-packet one-way delay: 62.548 ms

Loss rate: 0.36%

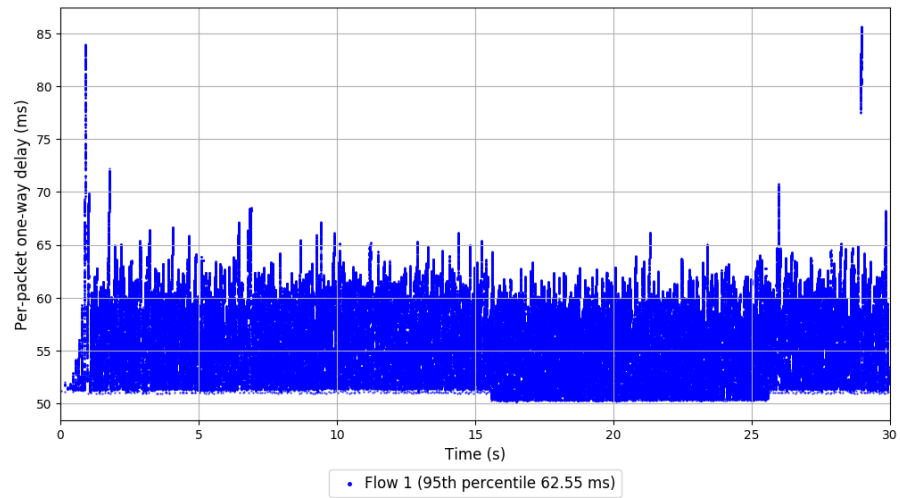
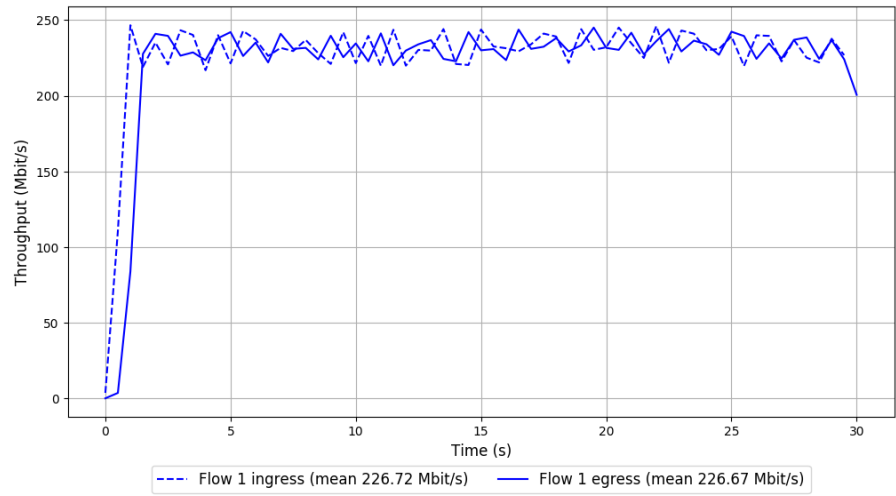
-- Flow 1:

Average throughput: 226.67 Mbit/s

95th percentile per-packet one-way delay: 62.548 ms

Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

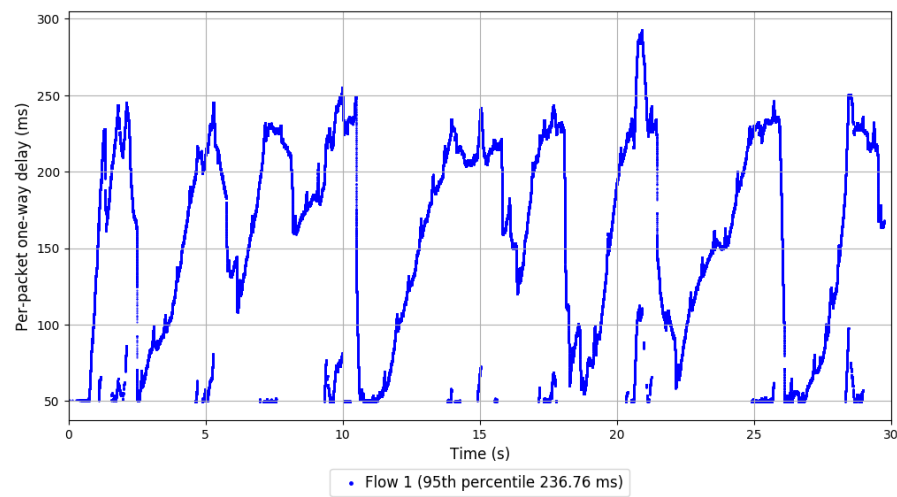
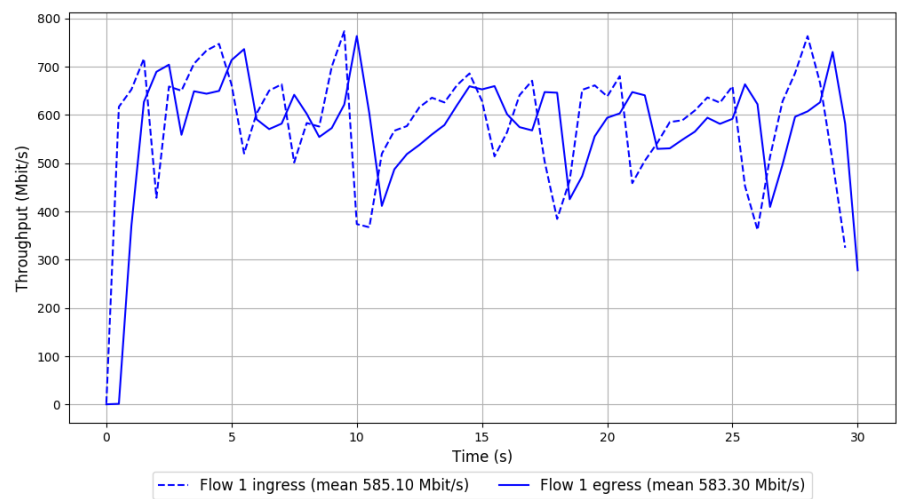


Run 1: Statistics of FillP

Start at: 2018-07-27 02:20:26
End at: 2018-07-27 02:20:56
Local clock offset: -0.073 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-27 06:24:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 583.30 Mbit/s
95th percentile per-packet one-way delay: 236.757 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 583.30 Mbit/s
95th percentile per-packet one-way delay: 236.757 ms
Loss rate: 0.65%

Run 1: Report of FillP — Data Link

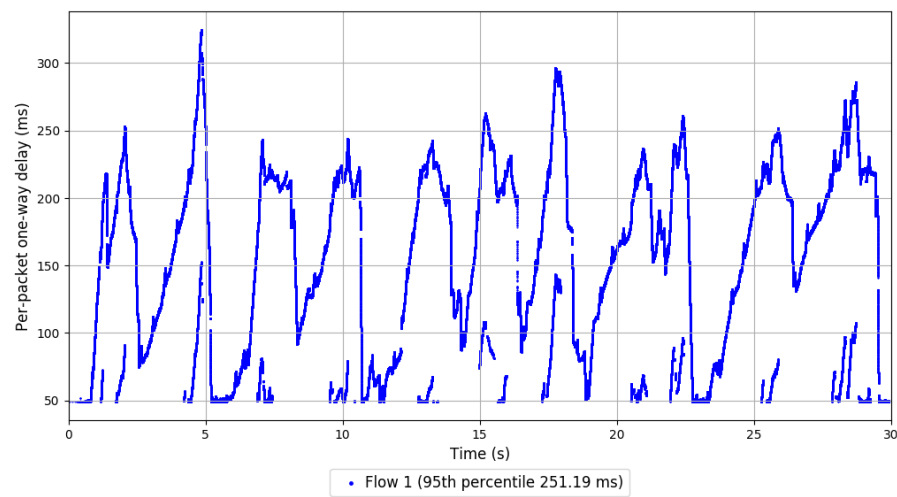
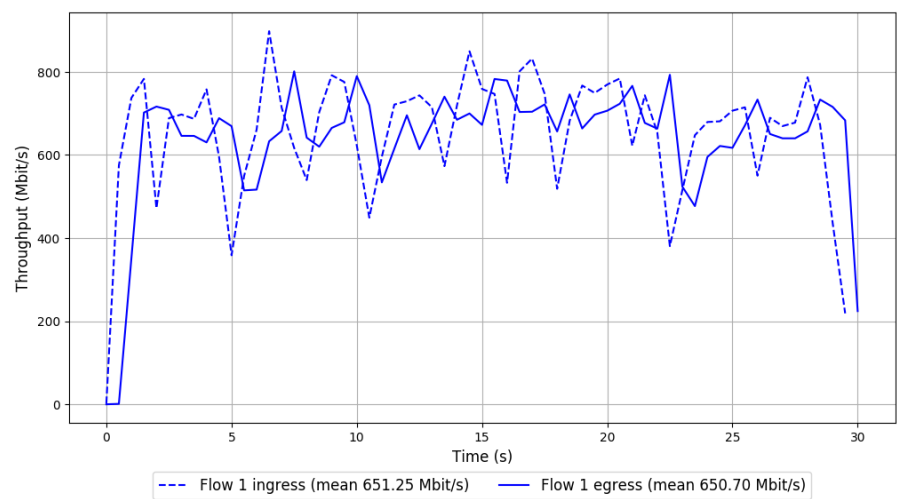


Run 2: Statistics of FillP

Start at: 2018-07-27 02:42:11
End at: 2018-07-27 02:42:41
Local clock offset: 0.291 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-27 06:27:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 650.70 Mbit/s
95th percentile per-packet one-way delay: 251.194 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 650.70 Mbit/s
95th percentile per-packet one-way delay: 251.194 ms
Loss rate: 0.42%

Run 2: Report of FillP — Data Link

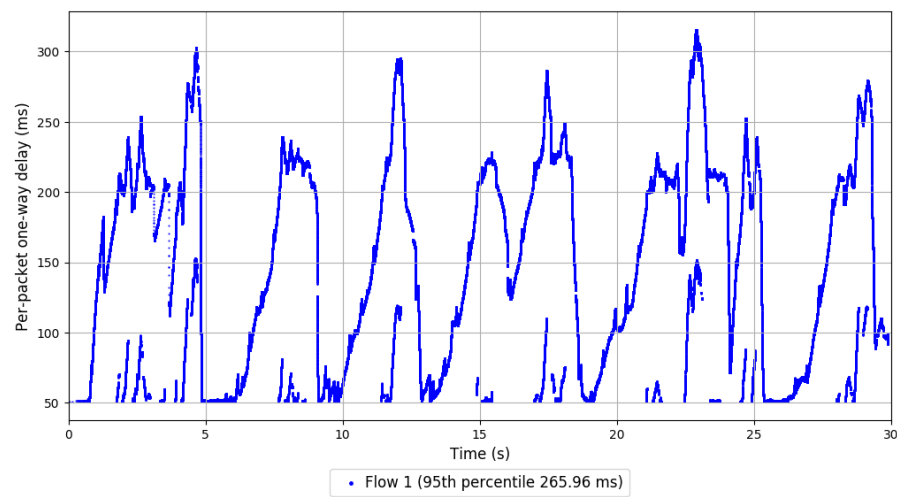
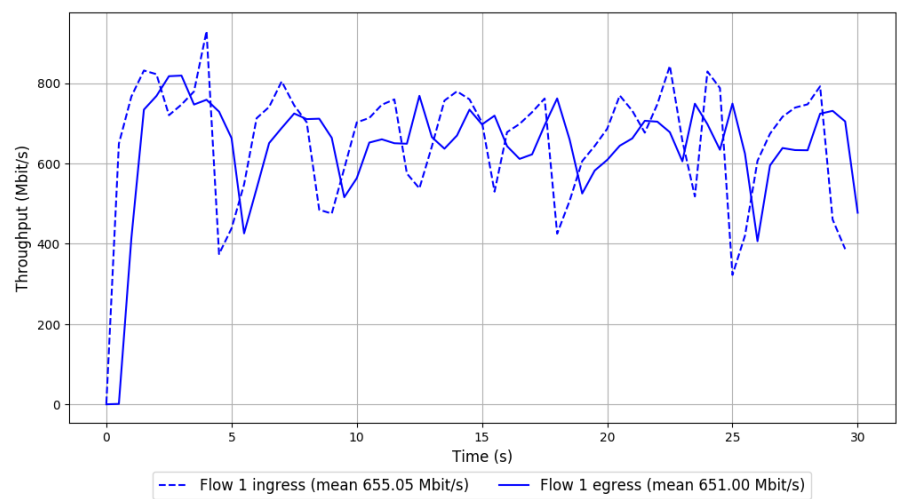


Run 3: Statistics of FillP

Start at: 2018-07-27 03:04:00
End at: 2018-07-27 03:04:30
Local clock offset: 0.364 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-27 06:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 651.00 Mbit/s
95th percentile per-packet one-way delay: 265.962 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 651.00 Mbit/s
95th percentile per-packet one-way delay: 265.962 ms
Loss rate: 0.95%

Run 3: Report of FillP — Data Link

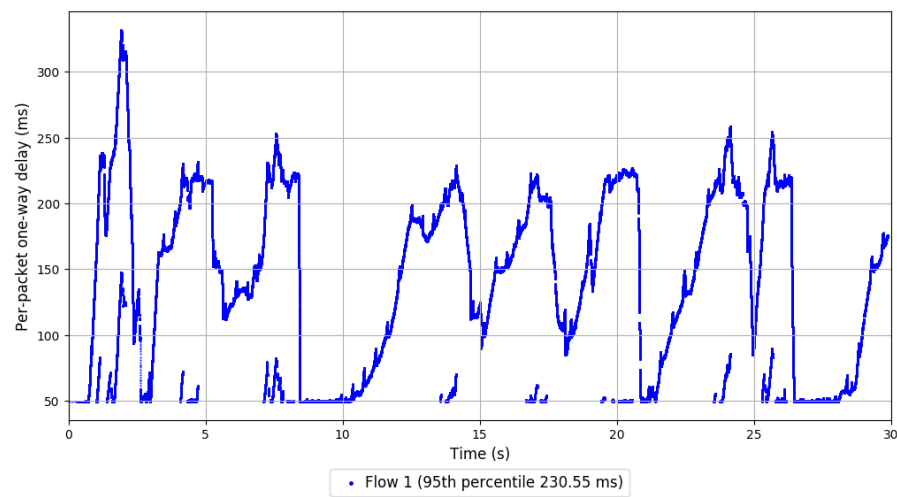
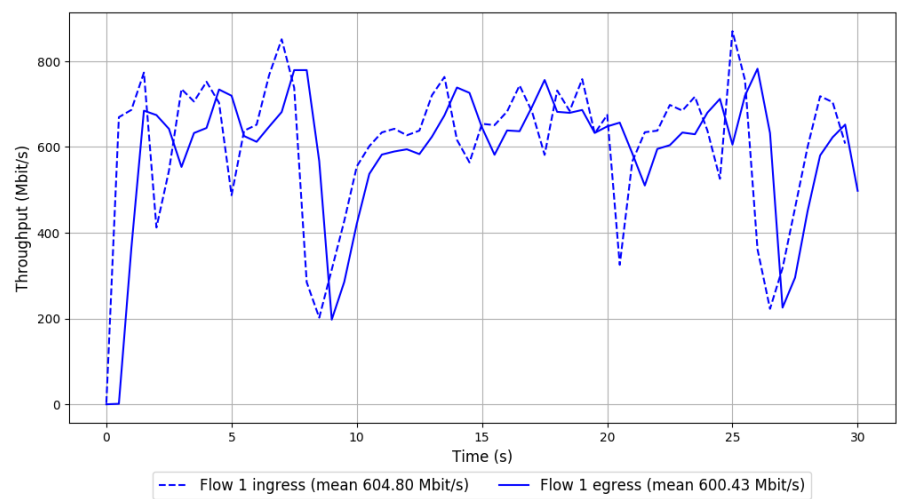


Run 4: Statistics of FillP

Start at: 2018-07-27 03:25:48
End at: 2018-07-27 03:26:18
Local clock offset: -0.165 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-27 06:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 600.43 Mbit/s
95th percentile per-packet one-way delay: 230.547 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 600.43 Mbit/s
95th percentile per-packet one-way delay: 230.547 ms
Loss rate: 1.05%

Run 4: Report of FillP — Data Link

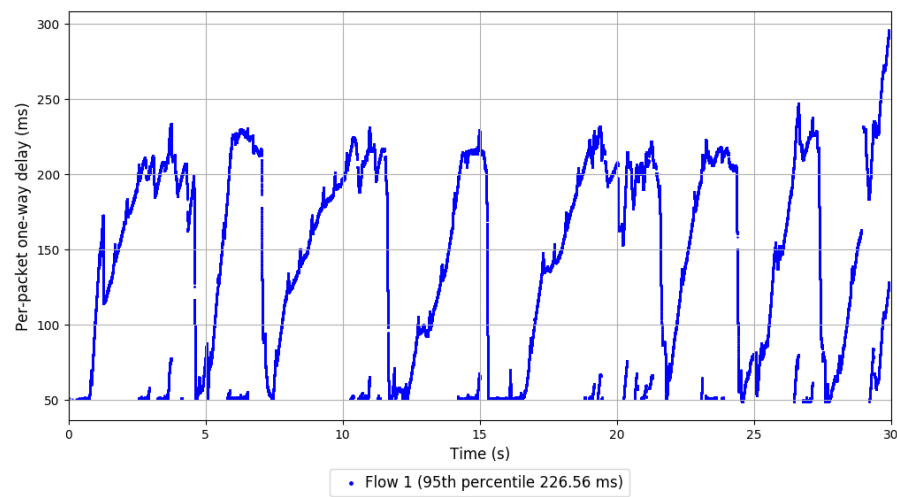
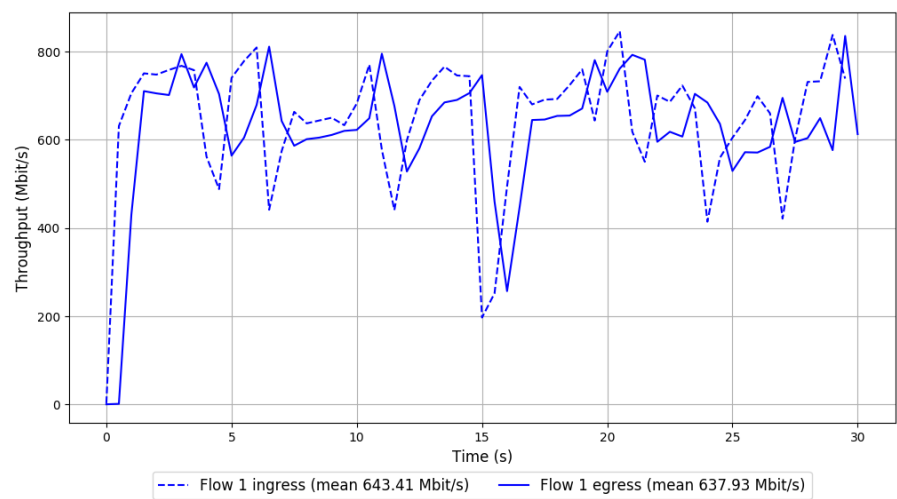


Run 5: Statistics of FillP

Start at: 2018-07-27 03:47:26
End at: 2018-07-27 03:47:56
Local clock offset: -0.203 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 06:29:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 637.93 Mbit/s
95th percentile per-packet one-way delay: 226.557 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 637.93 Mbit/s
95th percentile per-packet one-way delay: 226.557 ms
Loss rate: 1.19%

Run 5: Report of FillP — Data Link

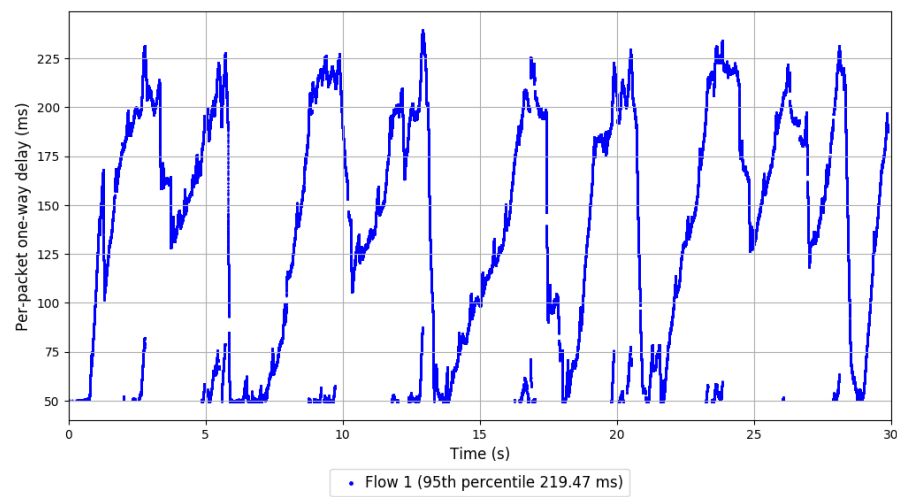
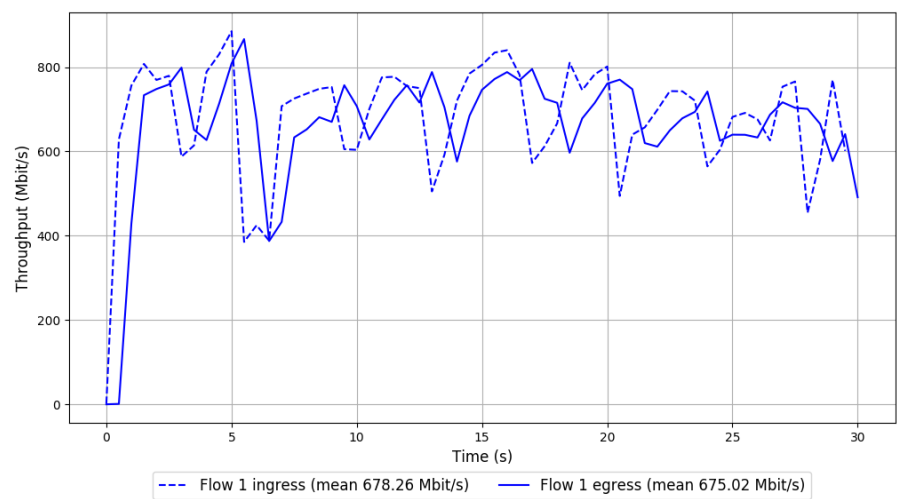


Run 6: Statistics of FillP

Start at: 2018-07-27 04:09:06
End at: 2018-07-27 04:09:36
Local clock offset: -0.043 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-27 06:29:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 675.02 Mbit/s
95th percentile per-packet one-way delay: 219.469 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 675.02 Mbit/s
95th percentile per-packet one-way delay: 219.469 ms
Loss rate: 0.81%

Run 6: Report of FillP — Data Link

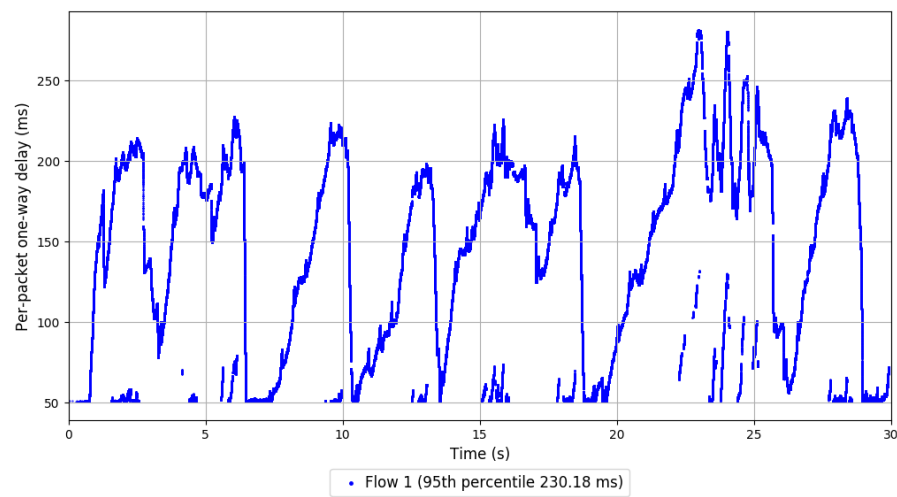
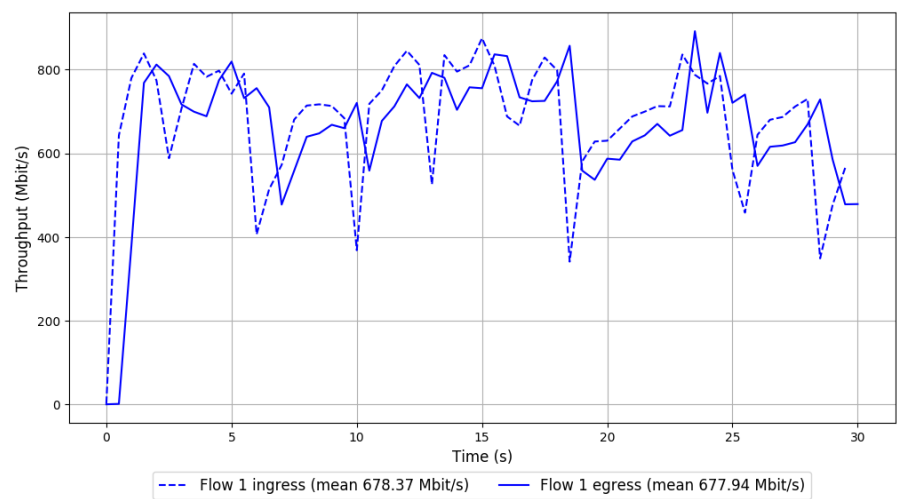


Run 7: Statistics of FillP

Start at: 2018-07-27 04:30:54
End at: 2018-07-27 04:31:24
Local clock offset: -0.031 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-27 06:30:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 677.94 Mbit/s
95th percentile per-packet one-way delay: 230.183 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 677.94 Mbit/s
95th percentile per-packet one-way delay: 230.183 ms
Loss rate: 0.40%

Run 7: Report of FillP — Data Link

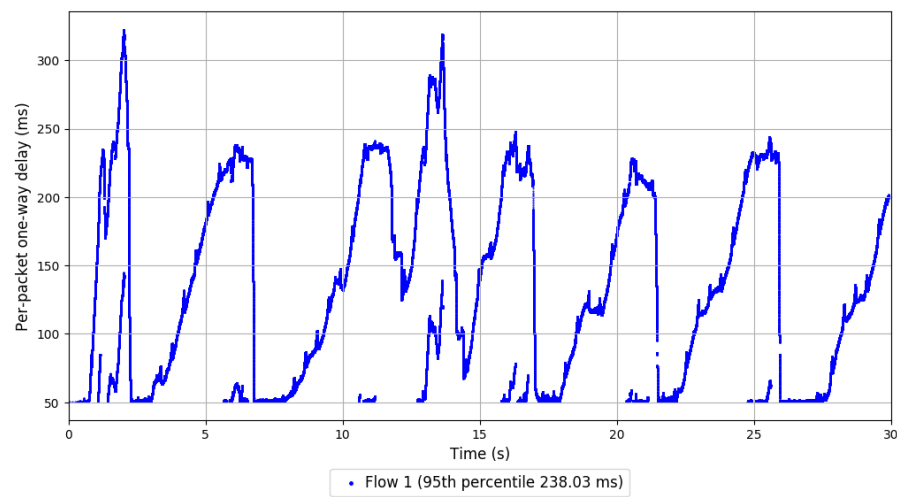
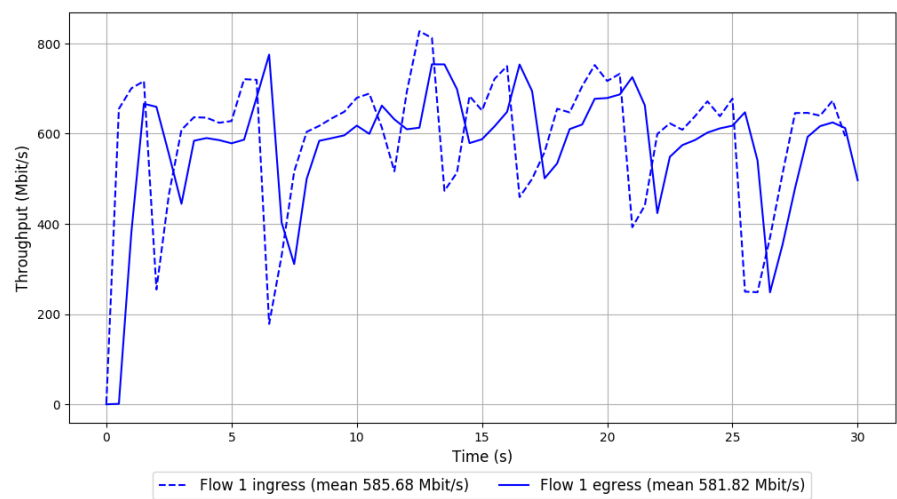


Run 8: Statistics of FillP

Start at: 2018-07-27 04:52:45
End at: 2018-07-27 04:53:15
Local clock offset: -0.048 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-27 06:30:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 581.82 Mbit/s
95th percentile per-packet one-way delay: 238.033 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 581.82 Mbit/s
95th percentile per-packet one-way delay: 238.033 ms
Loss rate: 1.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-27 05:14:35

End at: 2018-07-27 05:15:05

Local clock offset: -0.023 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-27 06:37:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.04 Mbit/s

95th percentile per-packet one-way delay: 229.304 ms

Loss rate: 1.01%

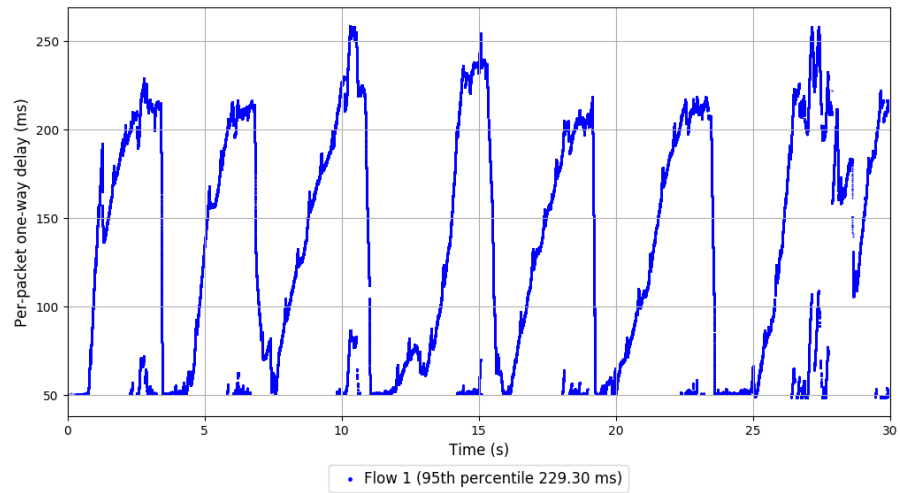
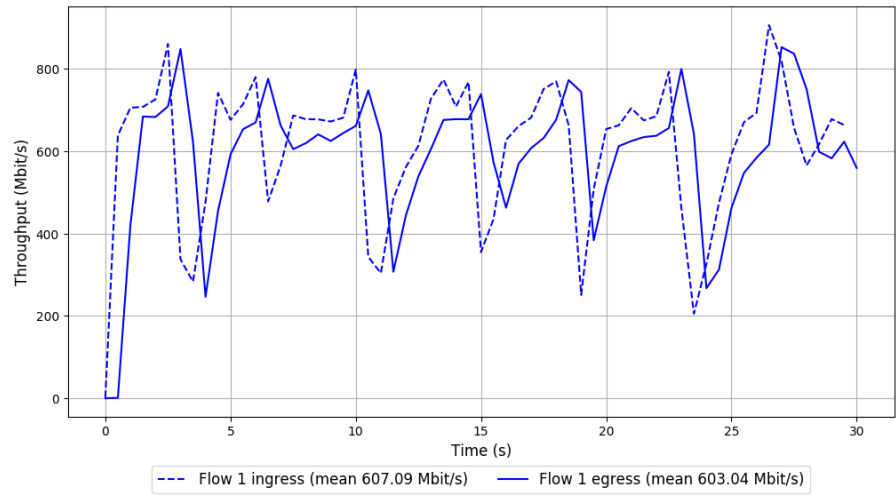
-- Flow 1:

Average throughput: 603.04 Mbit/s

95th percentile per-packet one-way delay: 229.304 ms

Loss rate: 1.01%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-27 05:36:14

End at: 2018-07-27 05:36:44

Local clock offset: 0.354 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-27 06:39:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 609.54 Mbit/s

95th percentile per-packet one-way delay: 251.695 ms

Loss rate: 1.25%

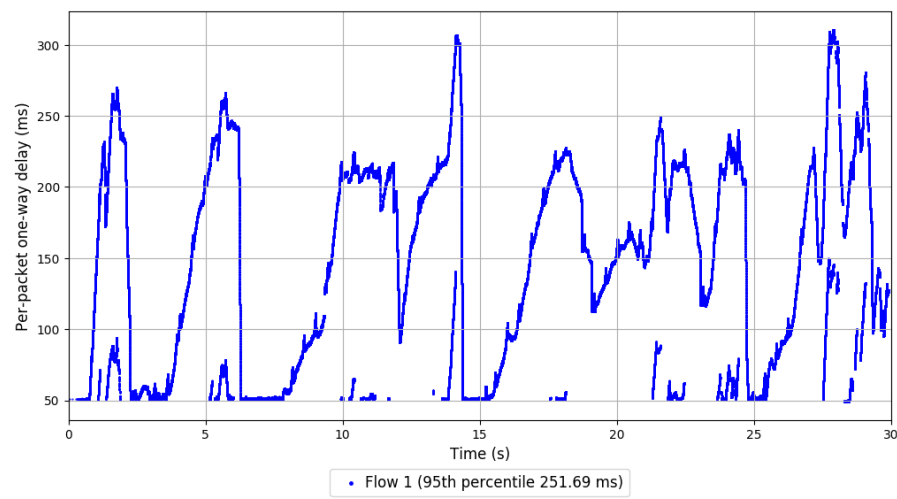
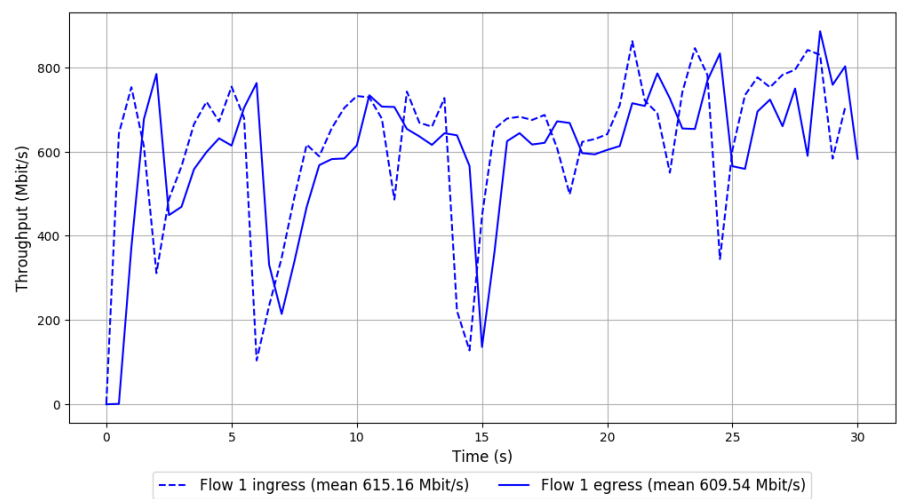
-- Flow 1:

Average throughput: 609.54 Mbit/s

95th percentile per-packet one-way delay: 251.695 ms

Loss rate: 1.25%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-27 02:18:58

End at: 2018-07-27 02:19:28

Local clock offset: 0.283 ms

Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-27 06:39:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.00 Mbit/s

95th percentile per-packet one-way delay: 105.830 ms

Loss rate: 0.49%

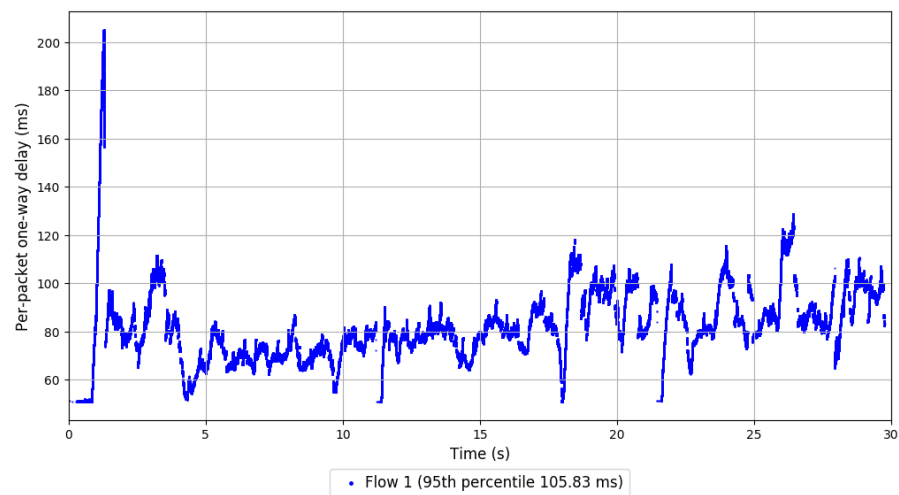
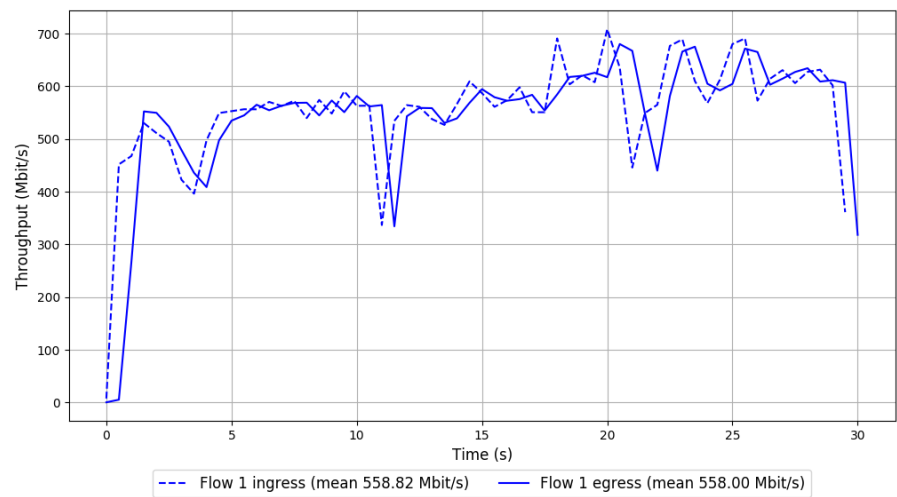
-- Flow 1:

Average throughput: 558.00 Mbit/s

95th percentile per-packet one-way delay: 105.830 ms

Loss rate: 0.49%

Run 1: Report of FillP-Sheep — Data Link

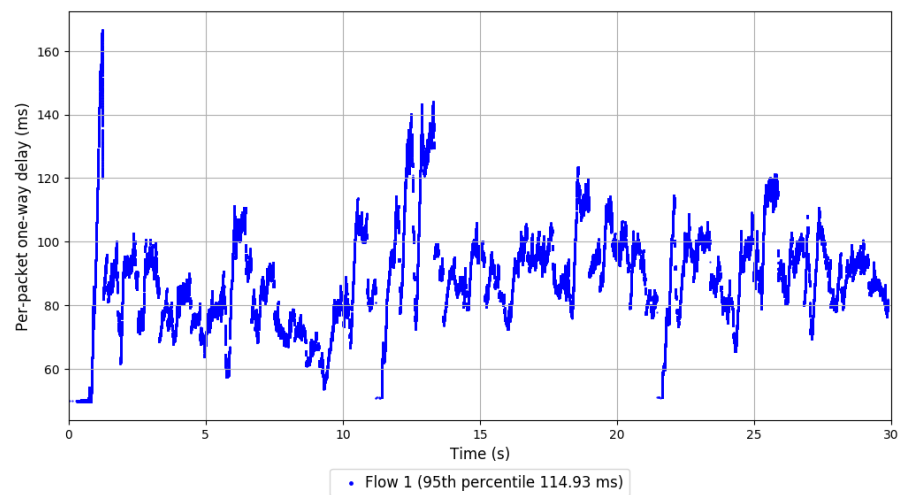
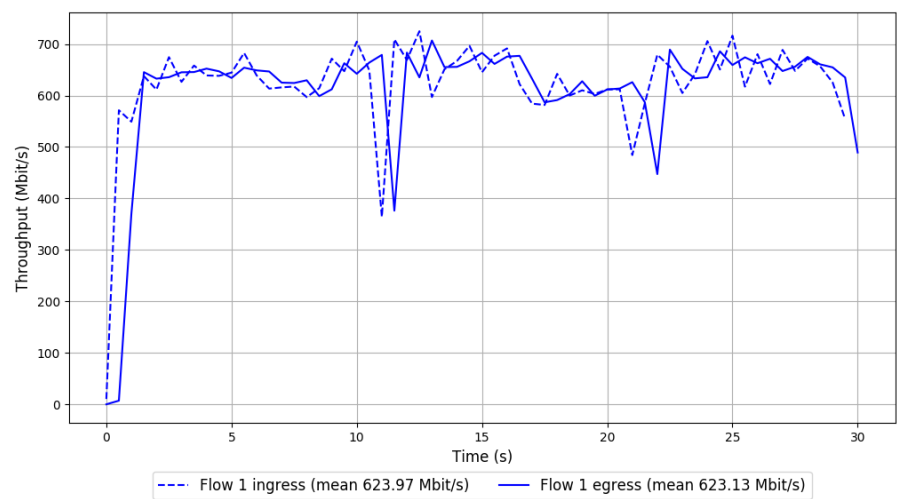


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-27 02:40:41
End at: 2018-07-27 02:41:11
Local clock offset: -0.057 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-27 06:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.13 Mbit/s
95th percentile per-packet one-way delay: 114.931 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 623.13 Mbit/s
95th percentile per-packet one-way delay: 114.931 ms
Loss rate: 0.47%

Run 2: Report of FillP-Sheep — Data Link

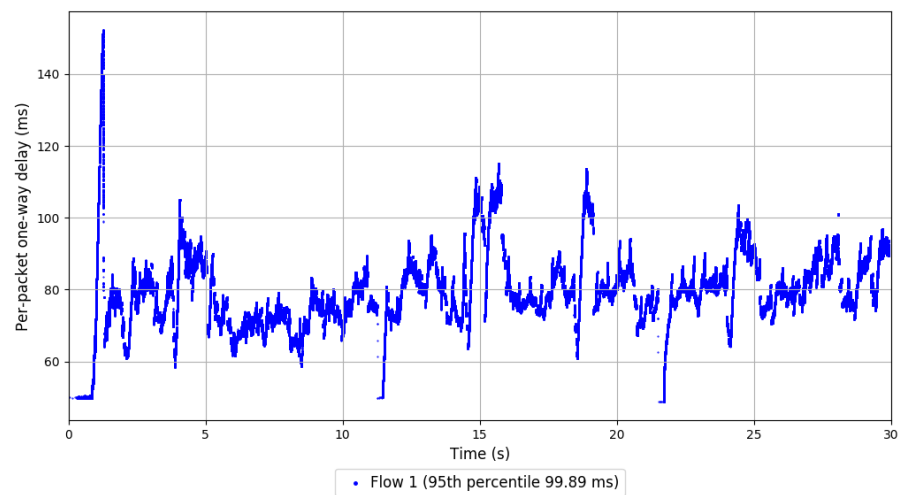
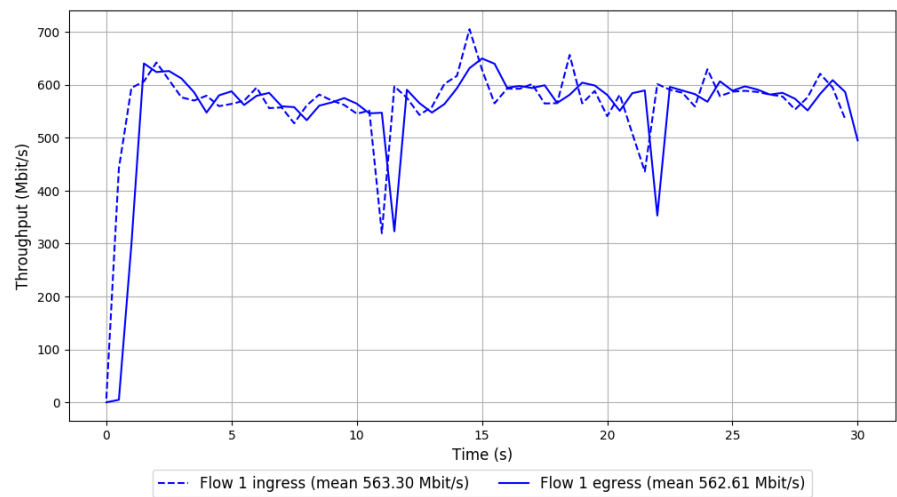


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-27 03:02:32
End at: 2018-07-27 03:03:02
Local clock offset: -0.031 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-27 06:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 562.61 Mbit/s
95th percentile per-packet one-way delay: 99.893 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 562.61 Mbit/s
95th percentile per-packet one-way delay: 99.893 ms
Loss rate: 0.45%

Run 3: Report of FillP-Sheep — Data Link

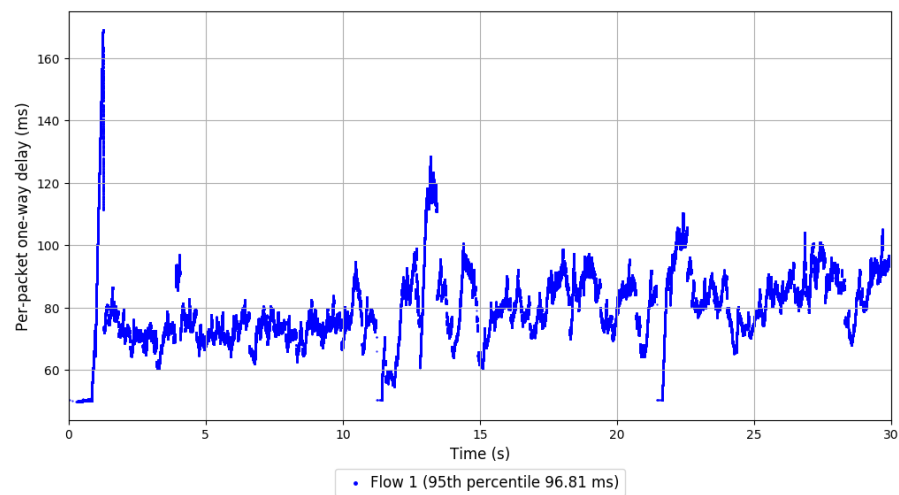
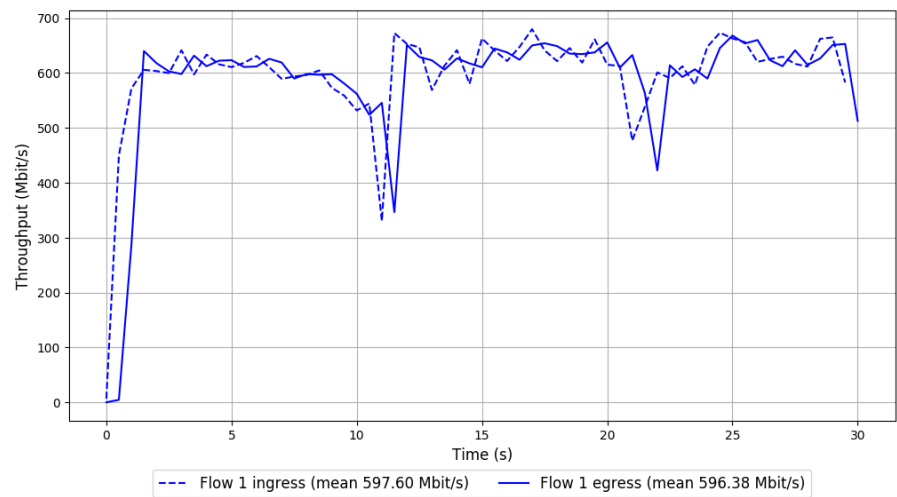


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-27 03:24:19
End at: 2018-07-27 03:24:49
Local clock offset: 0.235 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-27 06:41:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 596.38 Mbit/s
95th percentile per-packet one-way delay: 96.805 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 596.38 Mbit/s
95th percentile per-packet one-way delay: 96.805 ms
Loss rate: 0.52%

Run 4: Report of FillP-Sheep — Data Link

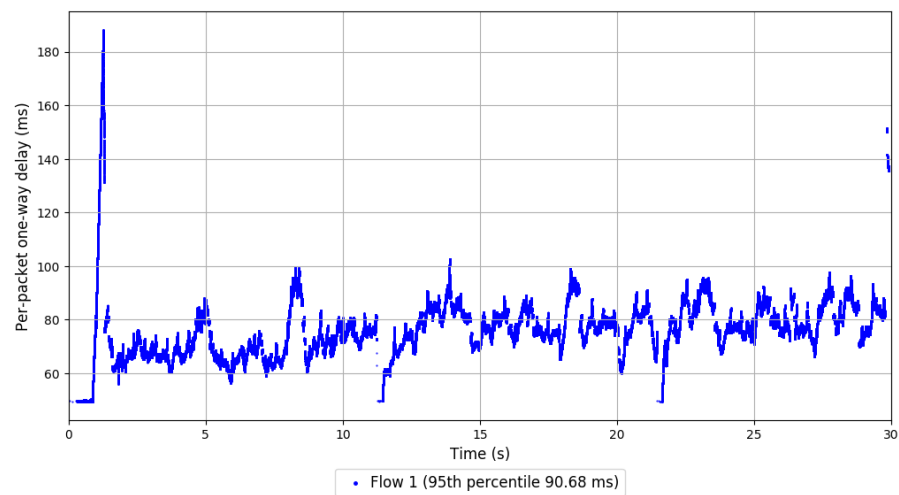
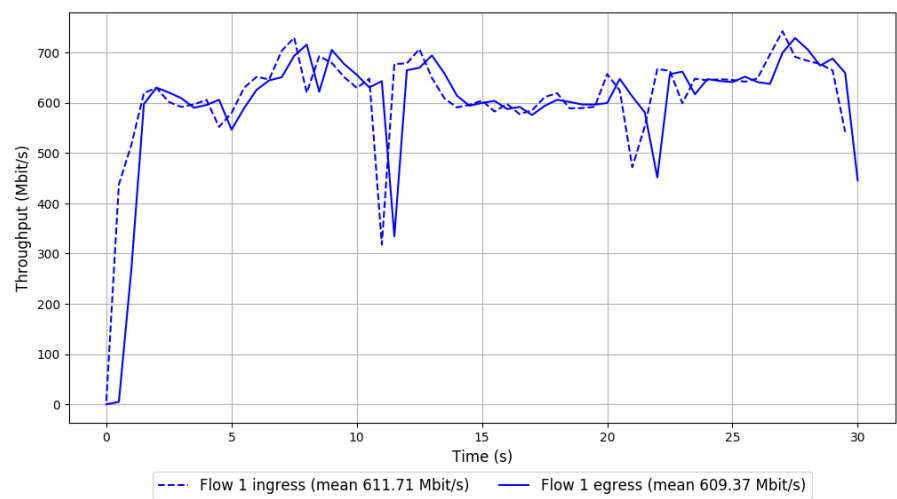


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-27 03:45:56
End at: 2018-07-27 03:46:26
Local clock offset: -0.171 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 06:42:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 609.37 Mbit/s
95th percentile per-packet one-way delay: 90.683 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 609.37 Mbit/s
95th percentile per-packet one-way delay: 90.683 ms
Loss rate: 0.56%

Run 5: Report of FillP-Sheep — Data Link

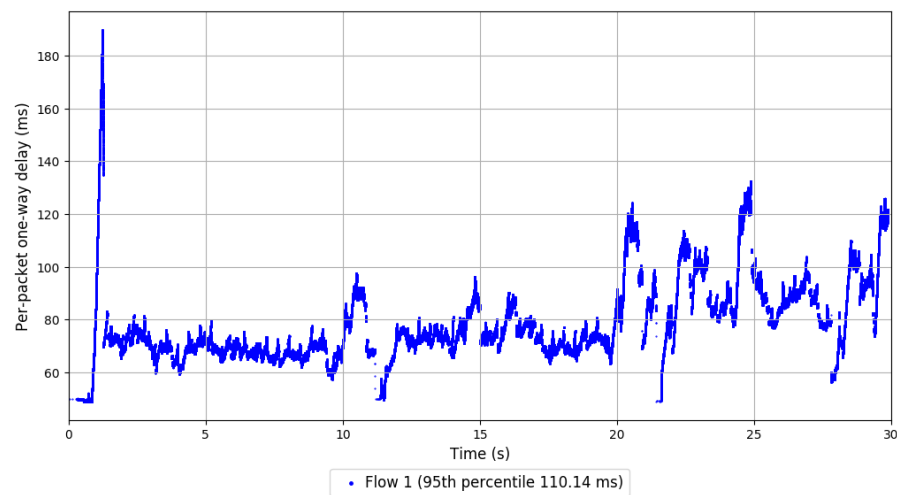
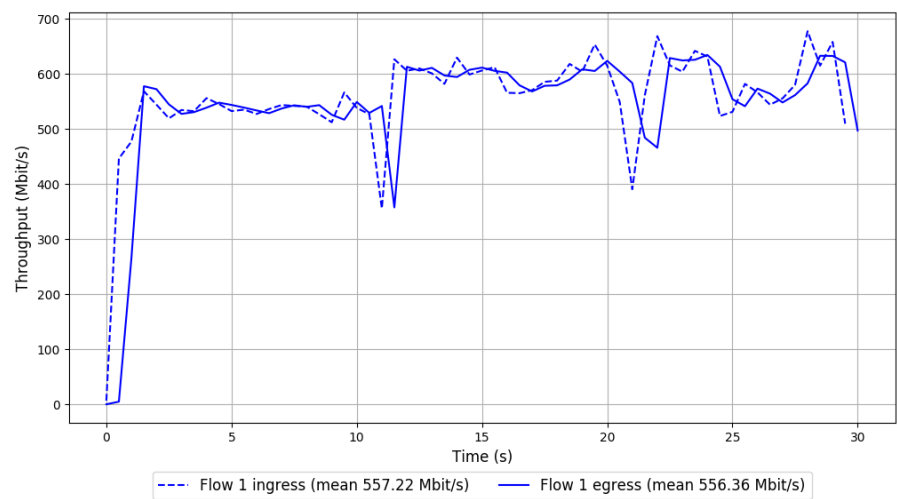


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-27 04:07:39
End at: 2018-07-27 04:08:09
Local clock offset: -0.435 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-27 06:42:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 556.36 Mbit/s
95th percentile per-packet one-way delay: 110.136 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 556.36 Mbit/s
95th percentile per-packet one-way delay: 110.136 ms
Loss rate: 0.49%

Run 6: Report of FillP-Sheep — Data Link

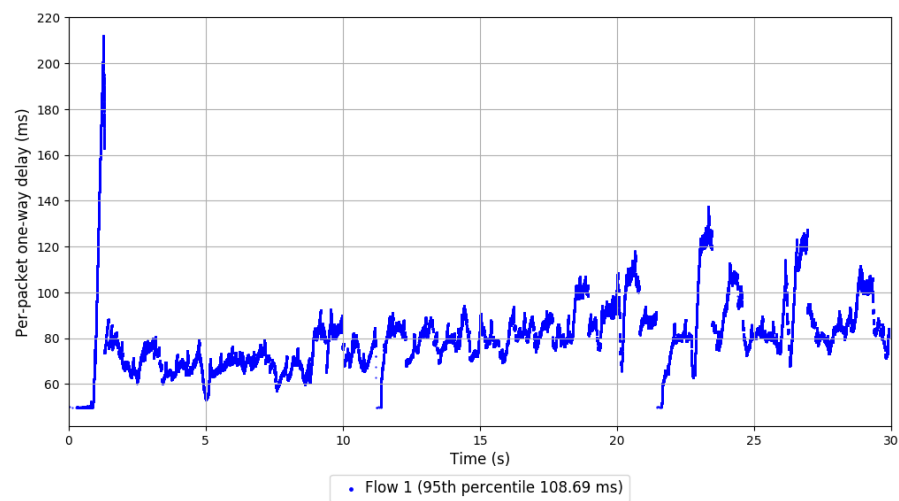
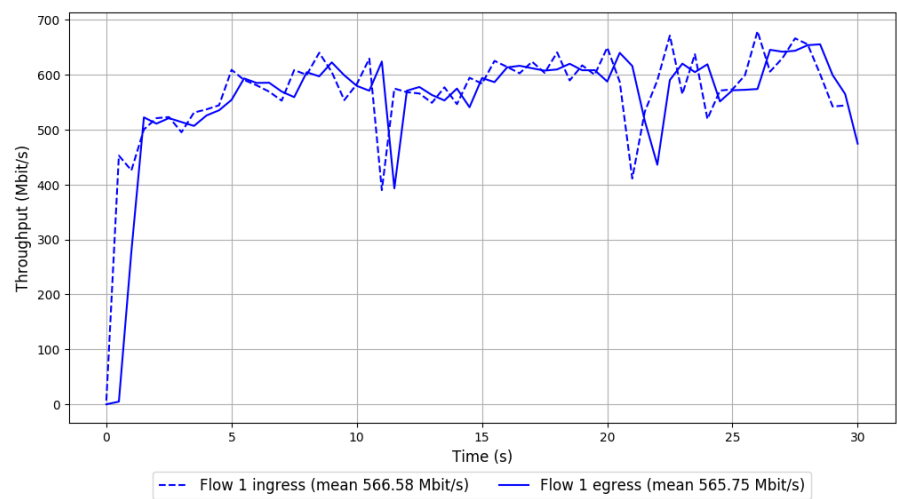


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-27 04:29:25
End at: 2018-07-27 04:29:55
Local clock offset: -0.038 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-27 06:50:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 565.75 Mbit/s
95th percentile per-packet one-way delay: 108.693 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 565.75 Mbit/s
95th percentile per-packet one-way delay: 108.693 ms
Loss rate: 0.48%

Run 7: Report of FillP-Sheep — Data Link

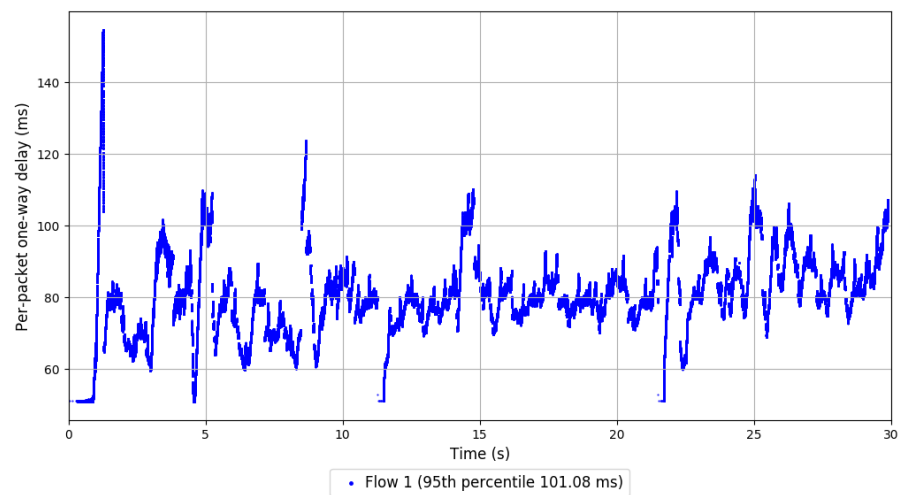
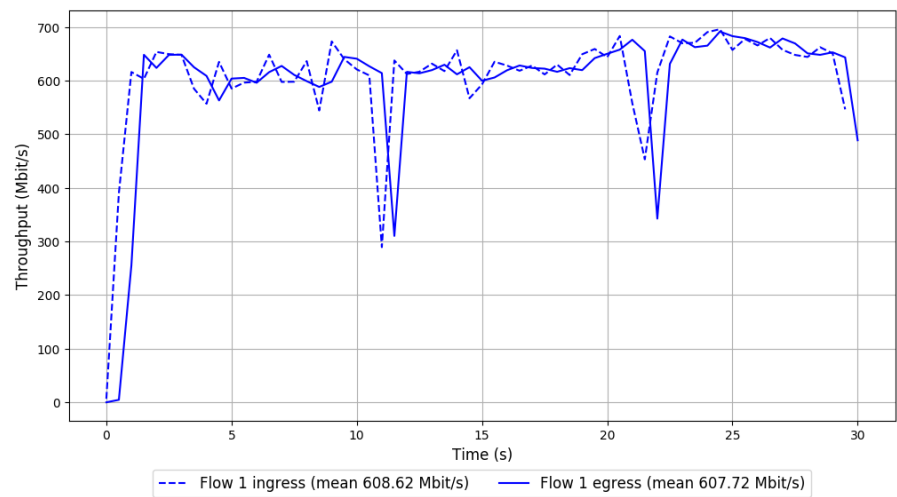


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-27 04:51:15
End at: 2018-07-27 04:51:45
Local clock offset: 0.305 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-27 06:51:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 607.72 Mbit/s
95th percentile per-packet one-way delay: 101.077 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 607.72 Mbit/s
95th percentile per-packet one-way delay: 101.077 ms
Loss rate: 0.49%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-27 05:13:06

End at: 2018-07-27 05:13:36

Local clock offset: 0.324 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-27 06:52:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 596.06 Mbit/s

95th percentile per-packet one-way delay: 109.204 ms

Loss rate: 0.46%

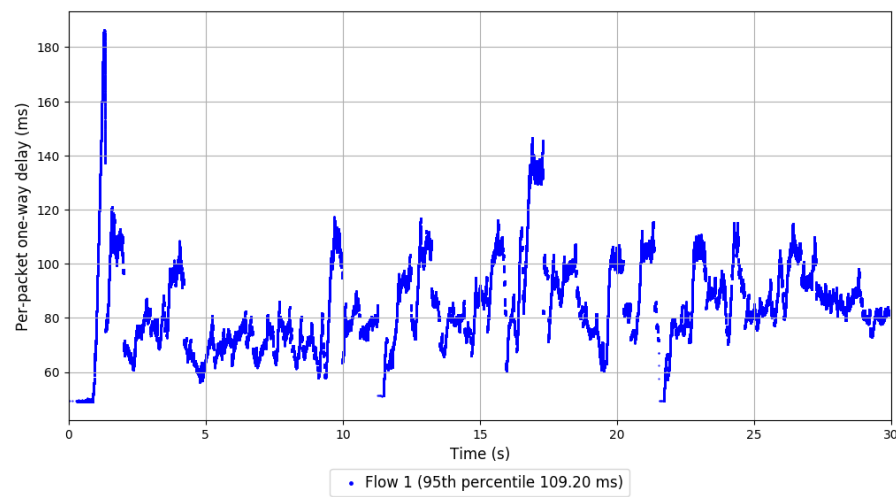
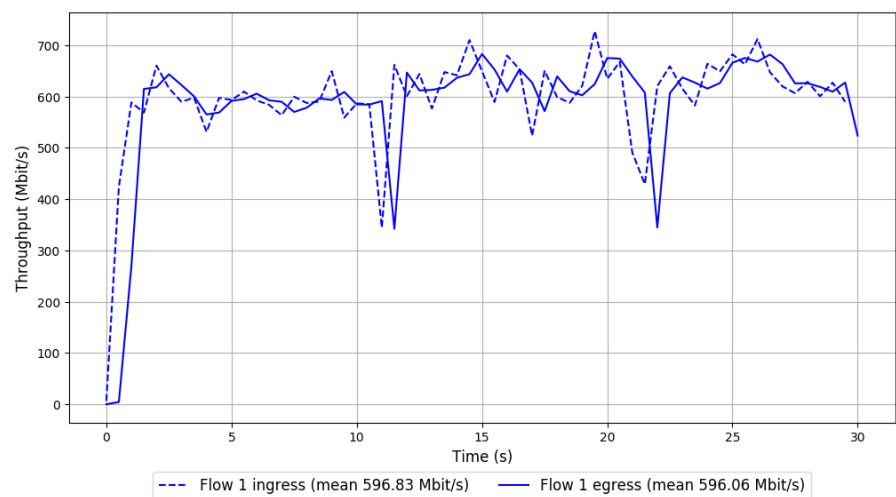
-- Flow 1:

Average throughput: 596.06 Mbit/s

95th percentile per-packet one-way delay: 109.204 ms

Loss rate: 0.46%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-27 05:34:46

End at: 2018-07-27 05:35:16

Local clock offset: 0.406 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.49 Mbit/s

95th percentile per-packet one-way delay: 104.767 ms

Loss rate: 0.47%

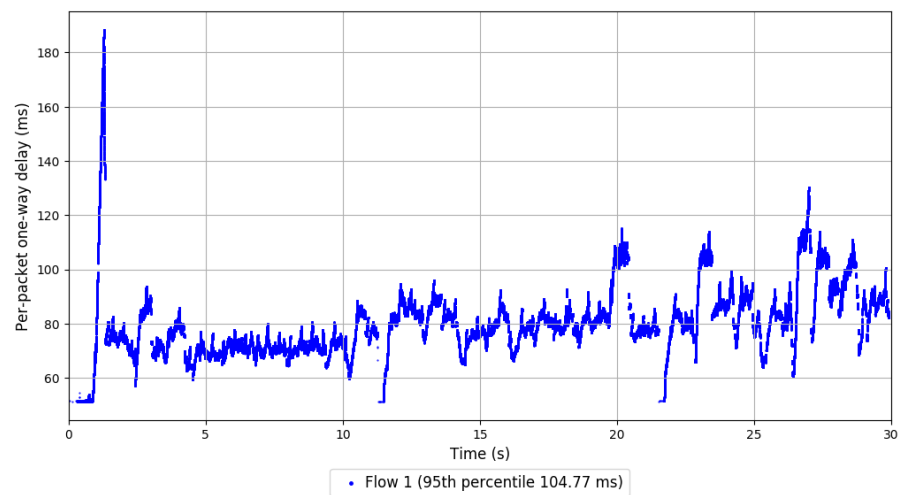
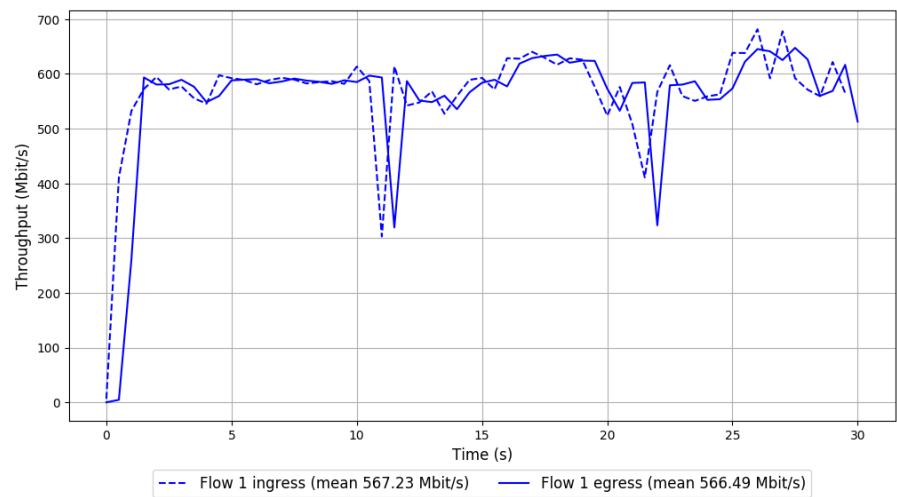
-- Flow 1:

Average throughput: 566.49 Mbit/s

95th percentile per-packet one-way delay: 104.767 ms

Loss rate: 0.47%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-27 02:16:36

End at: 2018-07-27 02:17:06

Local clock offset: -0.111 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 50.334 ms

Loss rate: 0.69%

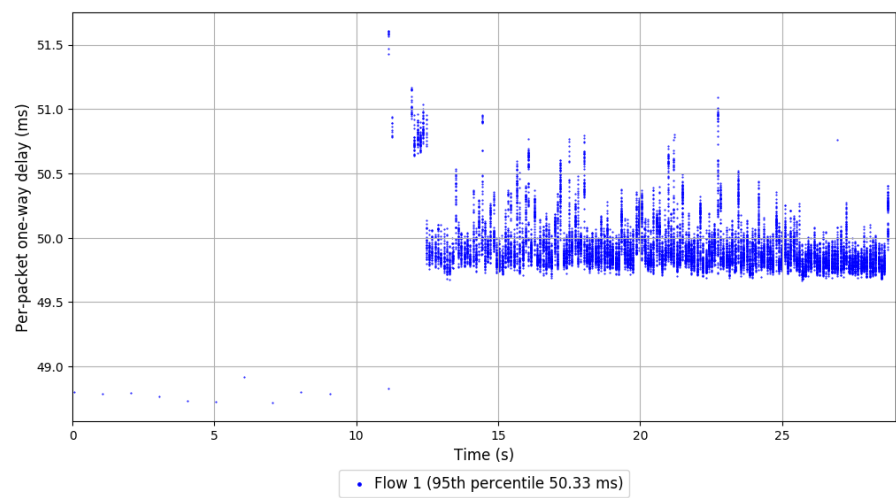
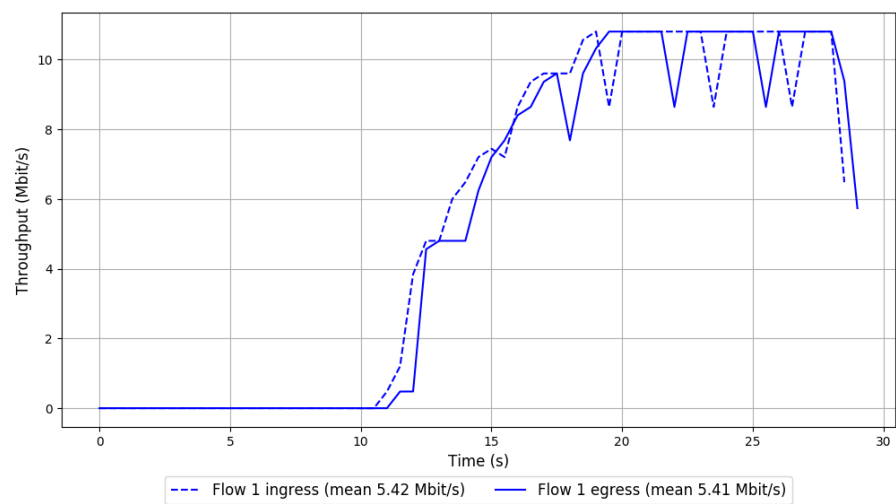
-- Flow 1:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 50.334 ms

Loss rate: 0.69%

Run 1: Report of Indigo — Data Link

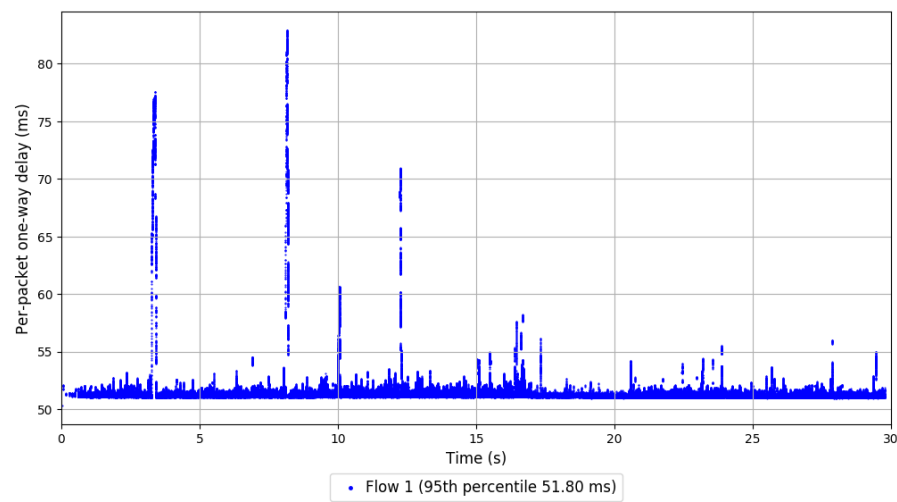
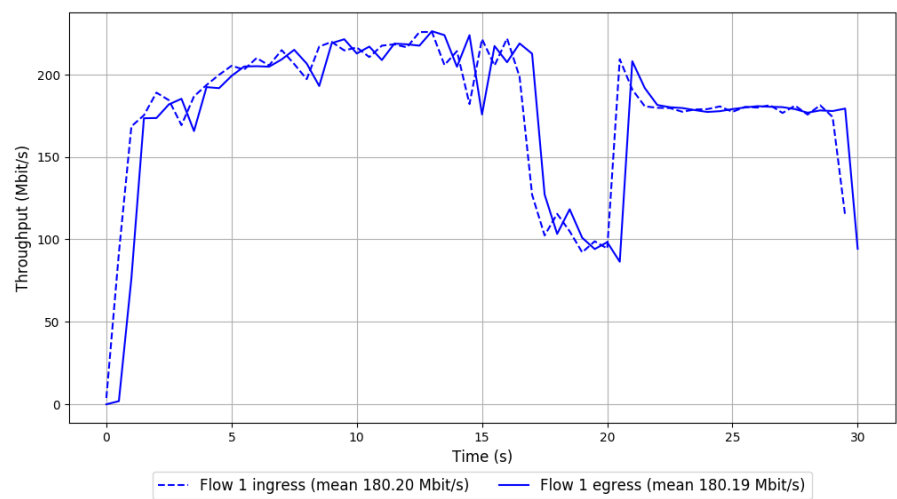


Run 2: Statistics of Indigo

Start at: 2018-07-27 02:38:11
End at: 2018-07-27 02:38:41
Local clock offset: 0.272 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.19 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 180.19 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.34%

Run 2: Report of Indigo — Data Link

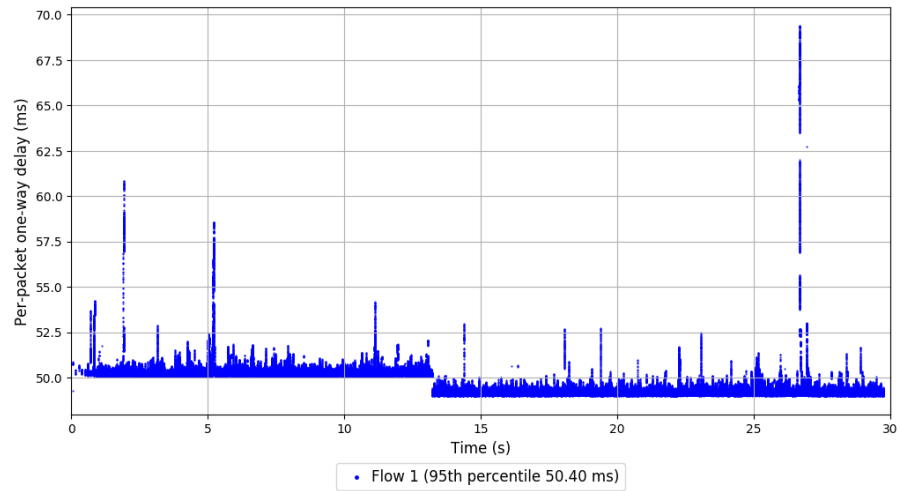
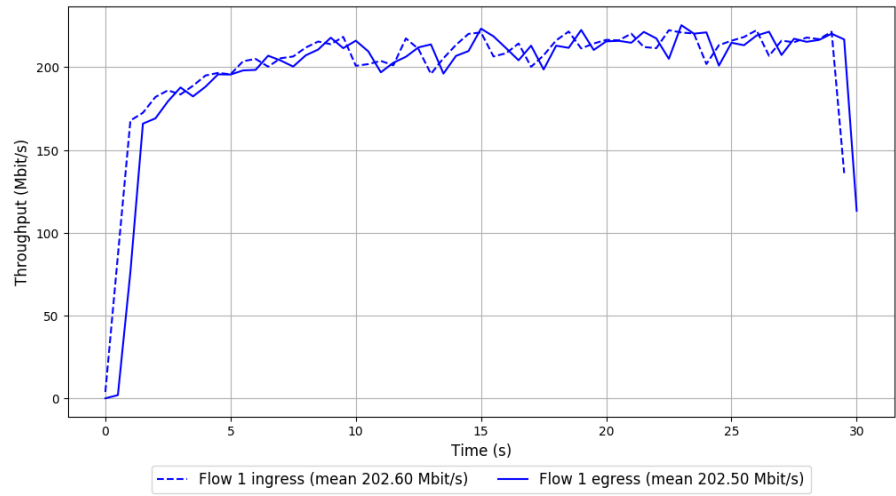


Run 3: Statistics of Indigo

Start at: 2018-07-27 02:59:57
End at: 2018-07-27 03:00:27
Local clock offset: 0.37 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.50 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 202.50 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 0.38%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-27 03:21:44

End at: 2018-07-27 03:22:14

Local clock offset: -0.116 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.69 Mbit/s

95th percentile per-packet one-way delay: 50.980 ms

Loss rate: 0.36%

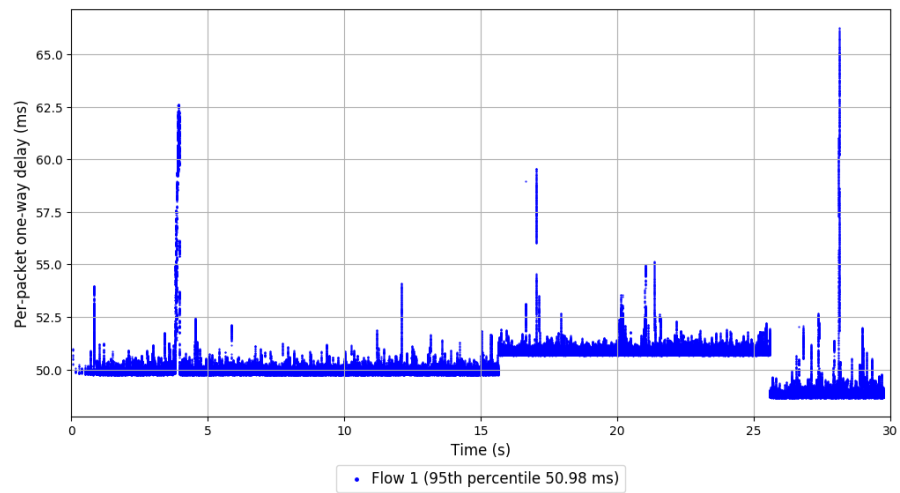
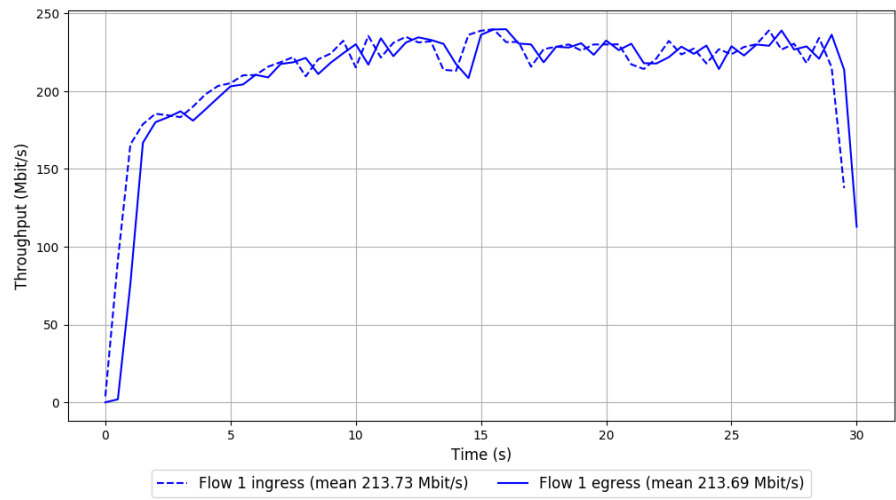
-- Flow 1:

Average throughput: 213.69 Mbit/s

95th percentile per-packet one-way delay: 50.980 ms

Loss rate: 0.36%

Run 4: Report of Indigo — Data Link

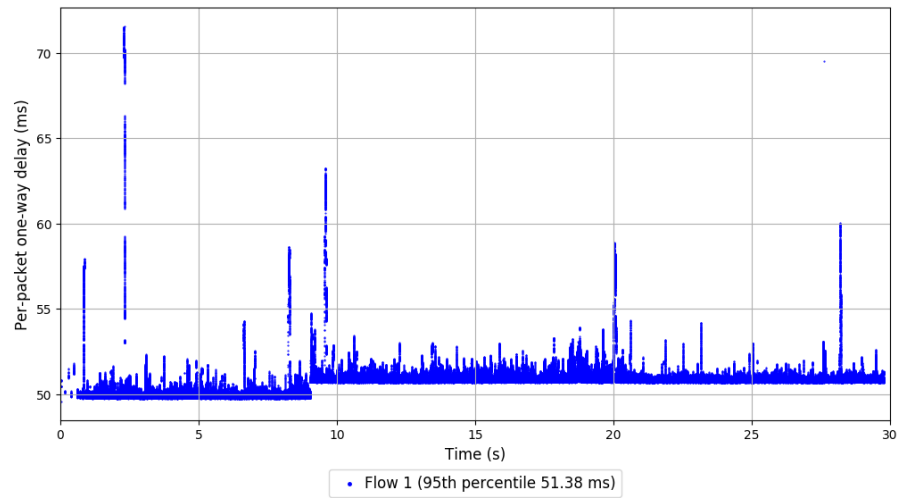
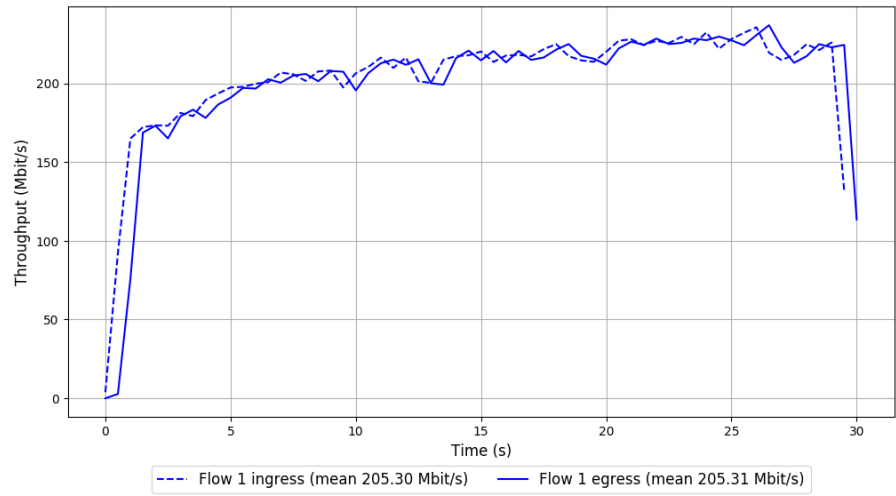


Run 5: Statistics of Indigo

Start at: 2018-07-27 03:43:21
End at: 2018-07-27 03:43:51
Local clock offset: -0.182 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.31 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 205.31 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.33%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-27 04:05:04

End at: 2018-07-27 04:05:34

Local clock offset: -0.066 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.29 Mbit/s

95th percentile per-packet one-way delay: 51.501 ms

Loss rate: 0.35%

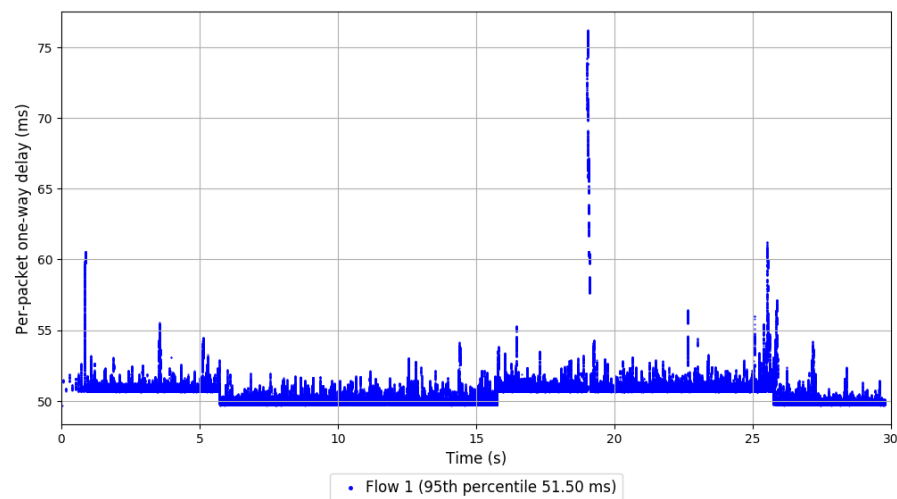
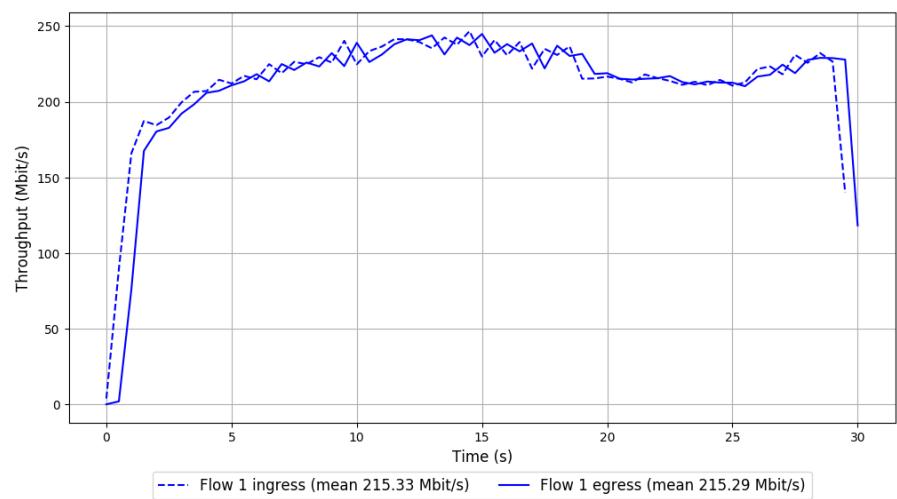
-- Flow 1:

Average throughput: 215.29 Mbit/s

95th percentile per-packet one-way delay: 51.501 ms

Loss rate: 0.35%

Run 6: Report of Indigo — Data Link

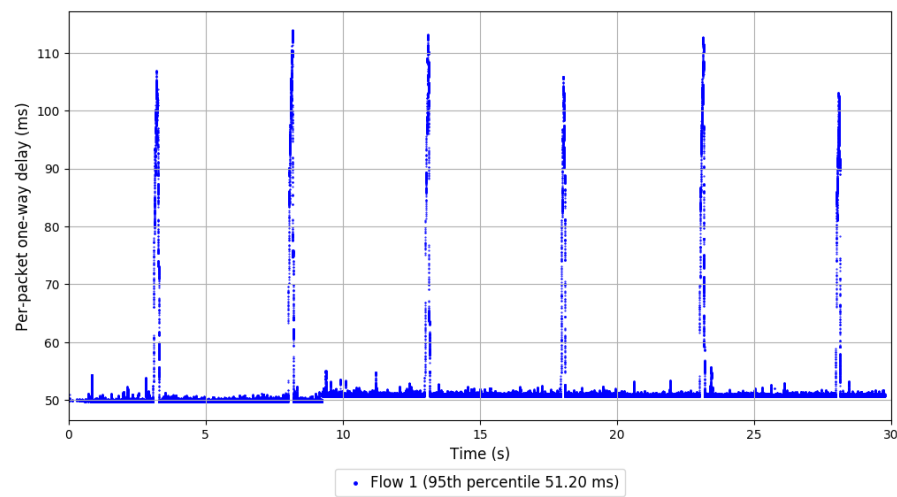
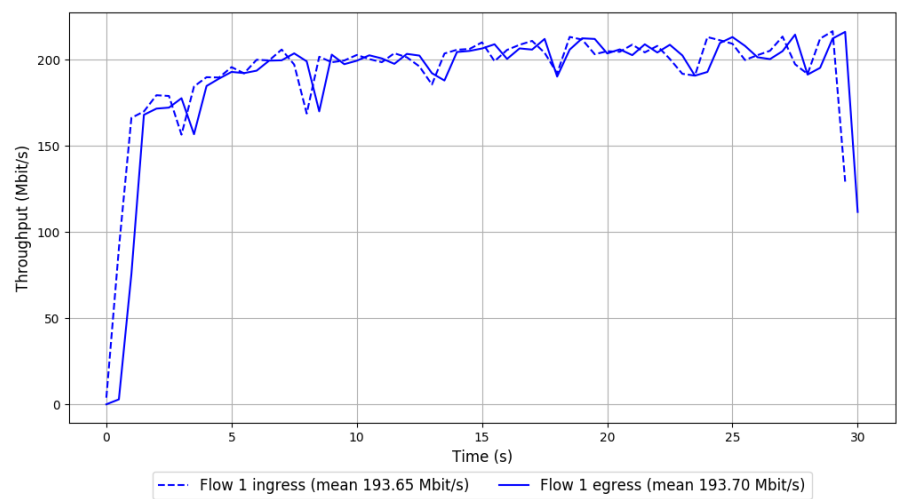


Run 7: Statistics of Indigo

Start at: 2018-07-27 04:26:51
End at: 2018-07-27 04:27:21
Local clock offset: -0.035 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.70 Mbit/s
95th percentile per-packet one-way delay: 51.202 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 193.70 Mbit/s
95th percentile per-packet one-way delay: 51.202 ms
Loss rate: 0.36%

Run 7: Report of Indigo — Data Link

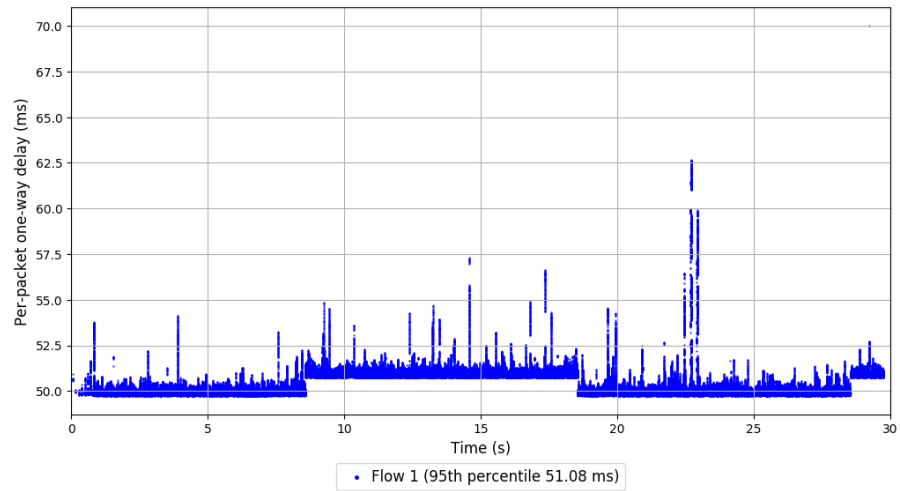
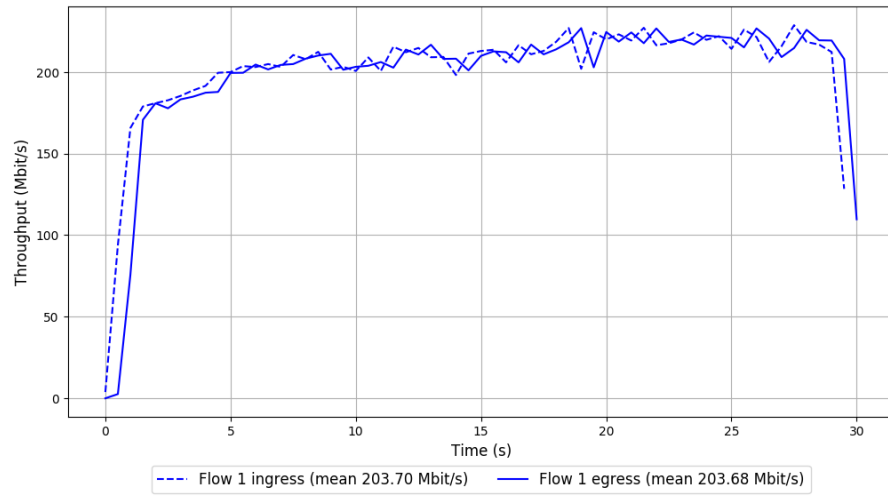


Run 8: Statistics of Indigo

Start at: 2018-07-27 04:48:41
End at: 2018-07-27 04:49:11
Local clock offset: -0.04 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.68 Mbit/s
95th percentile per-packet one-way delay: 51.081 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 203.68 Mbit/s
95th percentile per-packet one-way delay: 51.081 ms
Loss rate: 0.35%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-27 05:10:32

End at: 2018-07-27 05:11:02

Local clock offset: -0.018 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.51 Mbit/s

95th percentile per-packet one-way delay: 51.020 ms

Loss rate: 0.38%

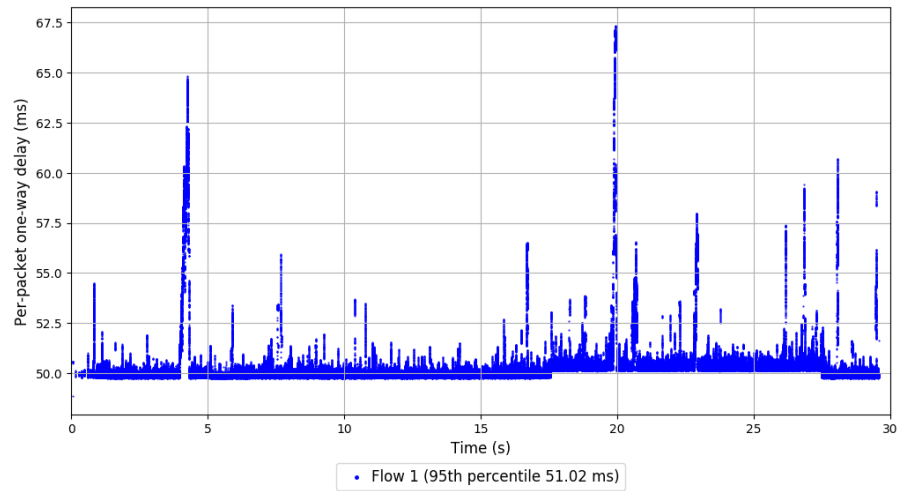
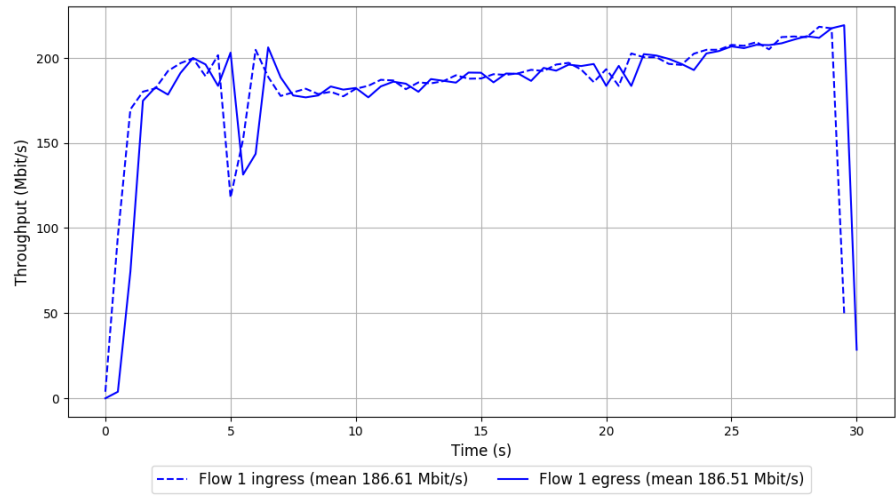
-- Flow 1:

Average throughput: 186.51 Mbit/s

95th percentile per-packet one-way delay: 51.020 ms

Loss rate: 0.38%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-27 05:32:11

End at: 2018-07-27 05:32:41

Local clock offset: 0.356 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.74 Mbit/s

95th percentile per-packet one-way delay: 50.461 ms

Loss rate: 0.30%

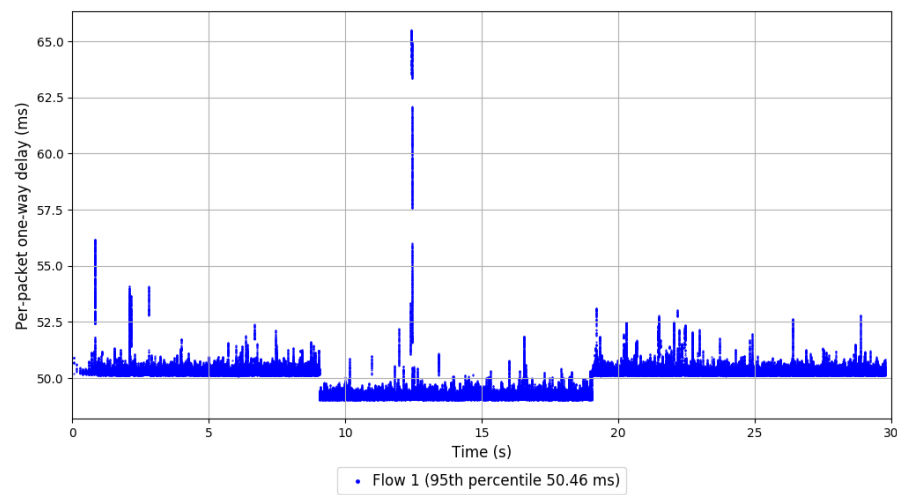
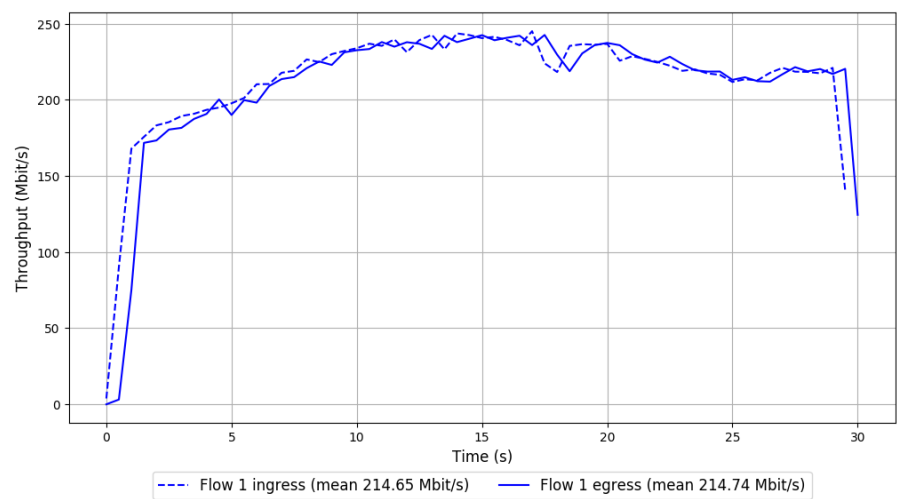
-- Flow 1:

Average throughput: 214.74 Mbit/s

95th percentile per-packet one-way delay: 50.461 ms

Loss rate: 0.30%

Run 10: Report of Indigo — Data Link

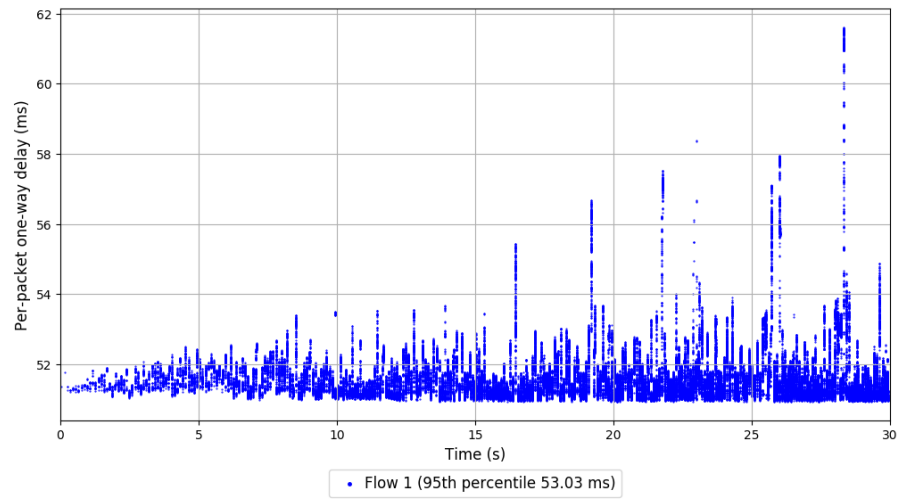
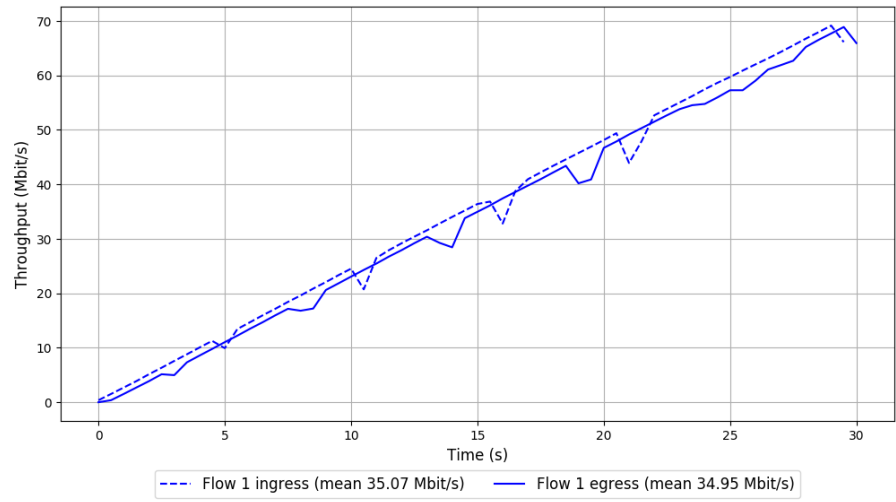


Run 1: Statistics of LEDBAT

Start at: 2018-07-27 02:33:38
End at: 2018-07-27 02:34:08
Local clock offset: 0.301 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 53.035 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 53.035 ms
Loss rate: 0.67%

Run 1: Report of LEDBAT — Data Link

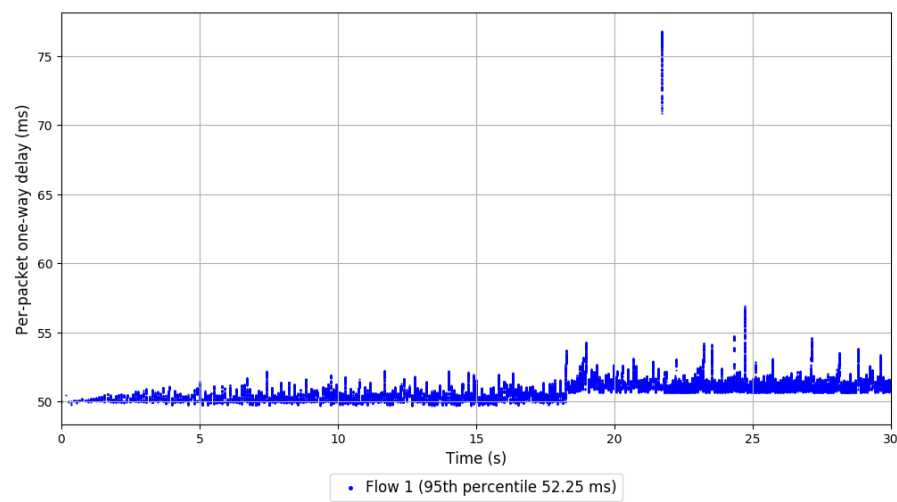
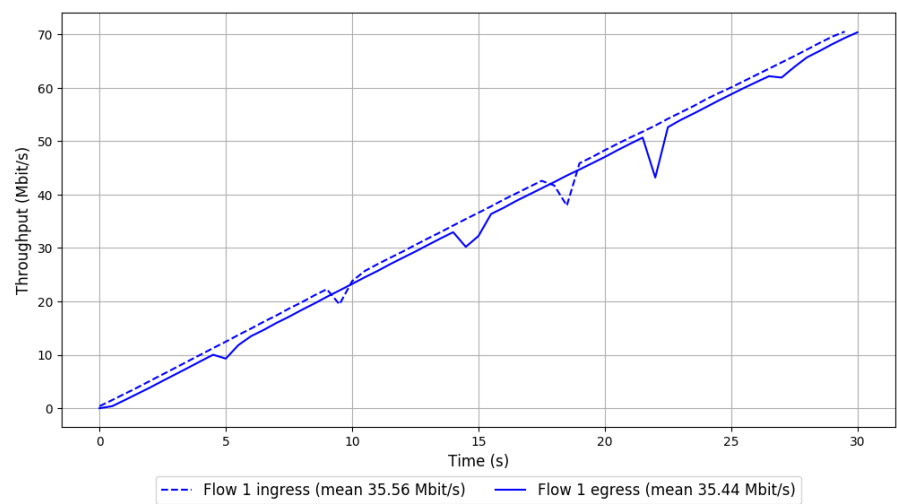


Run 2: Statistics of LEDBAT

Start at: 2018-07-27 02:55:02
End at: 2018-07-27 02:55:32
Local clock offset: -0.055 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 52.250 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 52.250 ms
Loss rate: 0.66%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-27 03:17:05

End at: 2018-07-27 03:17:35

Local clock offset: -0.045 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 51.310 ms

Loss rate: 0.66%

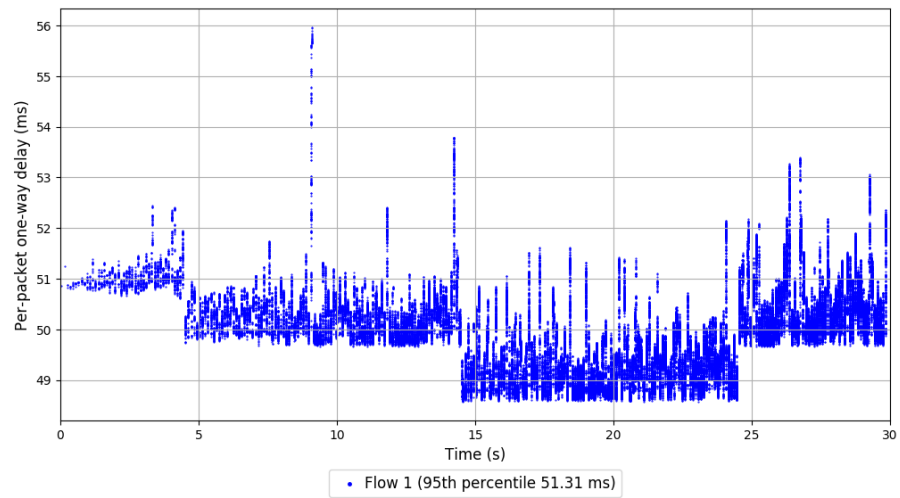
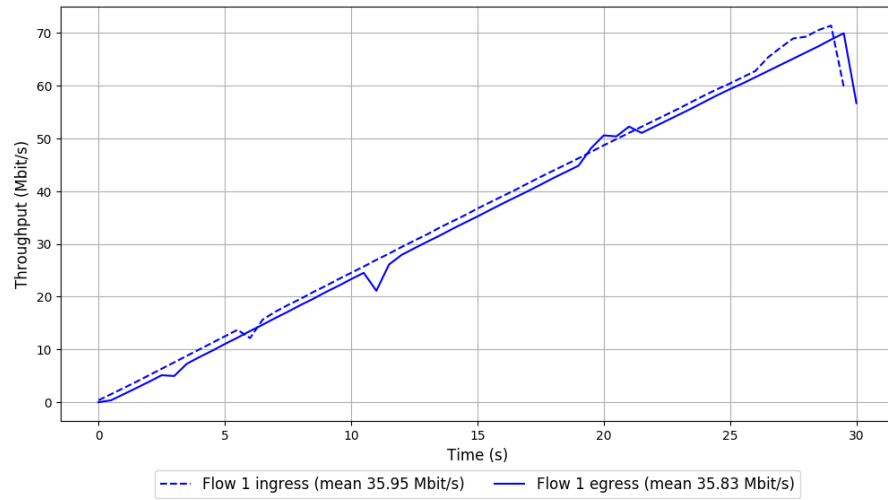
-- Flow 1:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 51.310 ms

Loss rate: 0.66%

Run 3: Report of LEDBAT — Data Link

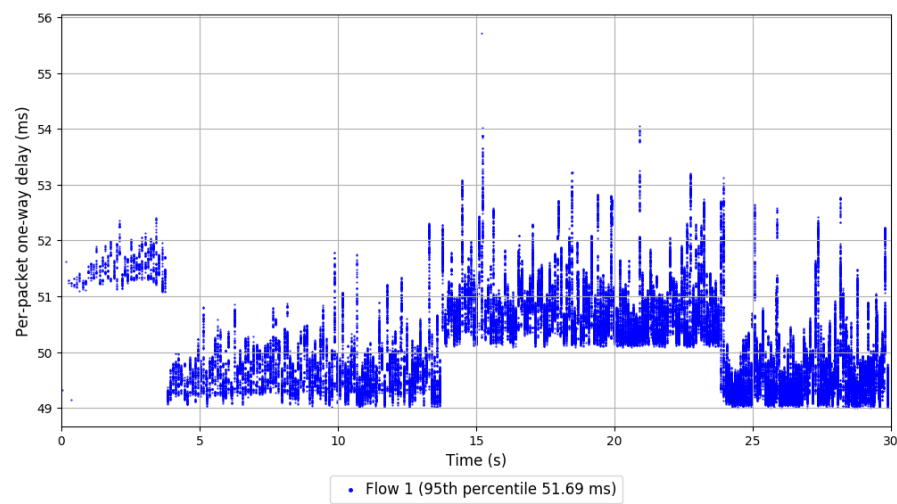
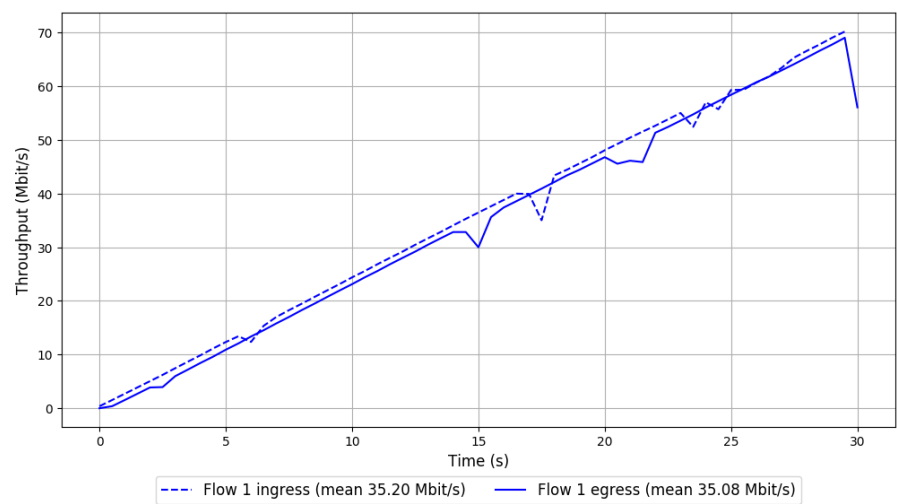


Run 4: Statistics of LEDBAT

Start at: 2018-07-27 03:38:46
End at: 2018-07-27 03:39:16
Local clock offset: 0.198 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.08 Mbit/s
95th percentile per-packet one-way delay: 51.687 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.08 Mbit/s
95th percentile per-packet one-way delay: 51.687 ms
Loss rate: 0.67%

Run 4: Report of LEDBAT — Data Link

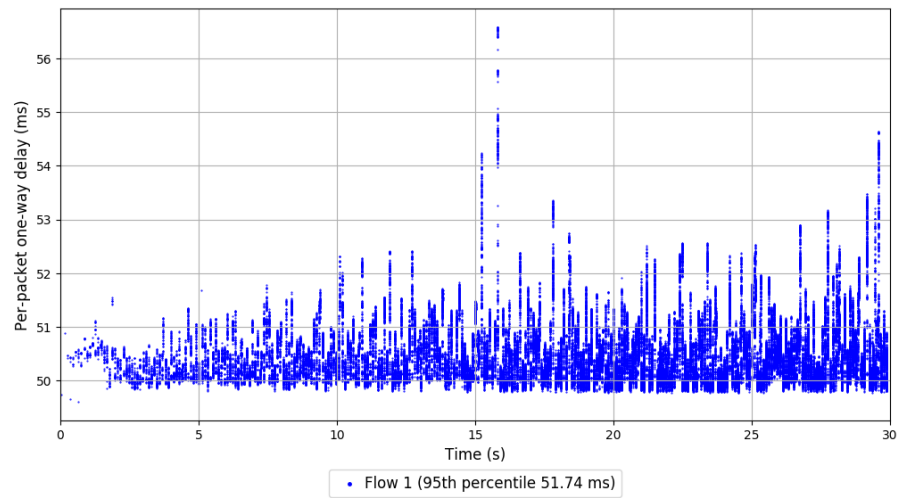
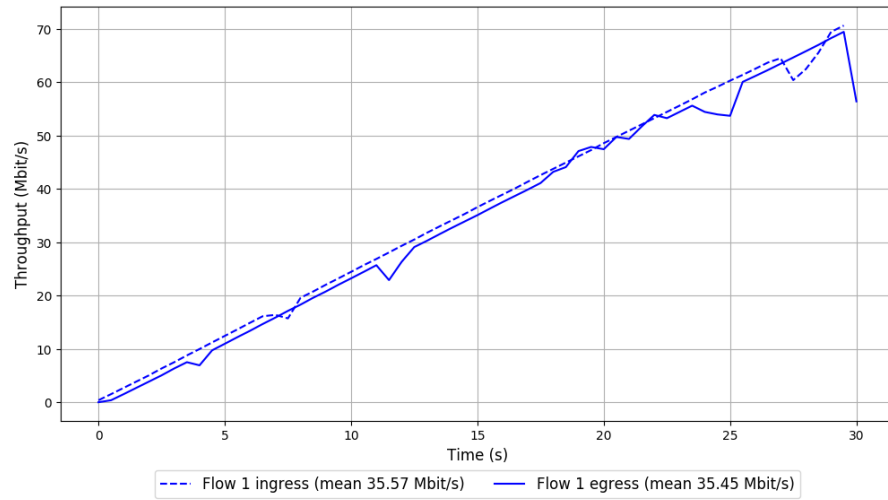


Run 5: Statistics of LEDBAT

Start at: 2018-07-27 04:00:28
End at: 2018-07-27 04:00:58
Local clock offset: -0.014 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 51.743 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 51.743 ms
Loss rate: 0.67%

Run 5: Report of LEDBAT — Data Link

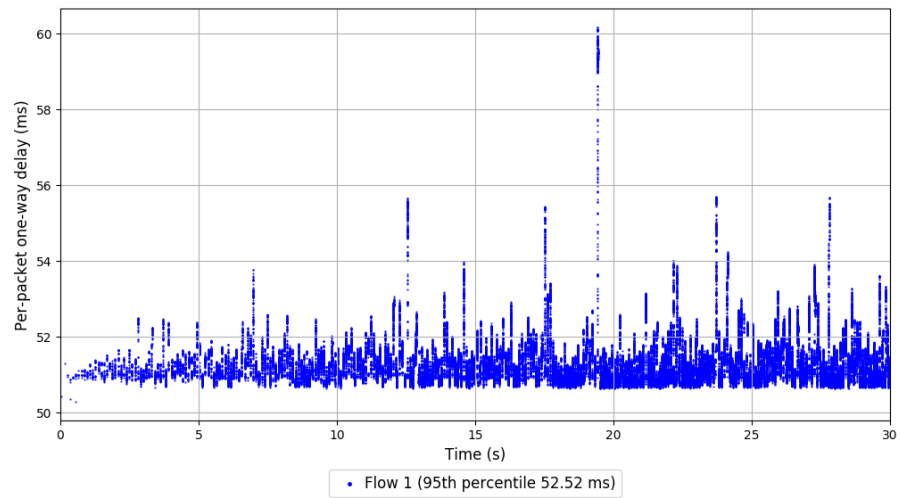
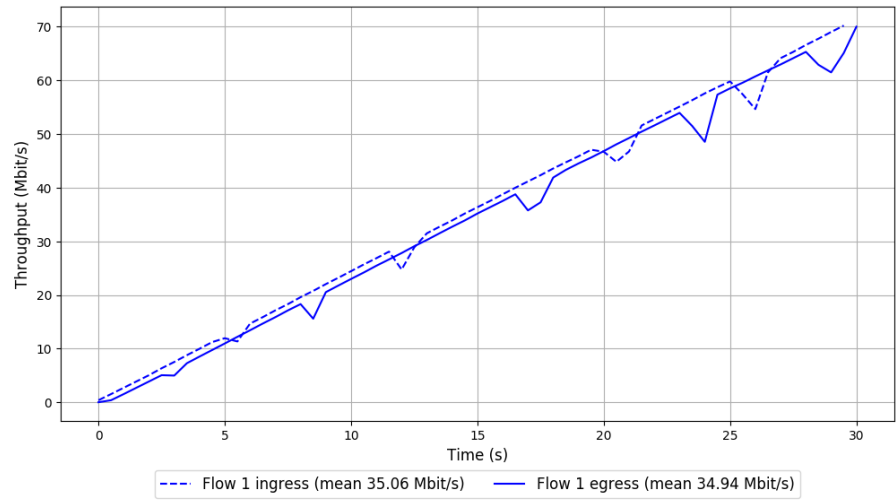


Run 6: Statistics of LEDBAT

Start at: 2018-07-27 04:22:12
End at: 2018-07-27 04:22:42
Local clock offset: -0.05 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 52.523 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 52.523 ms
Loss rate: 0.67%

Run 6: Report of LEDBAT — Data Link

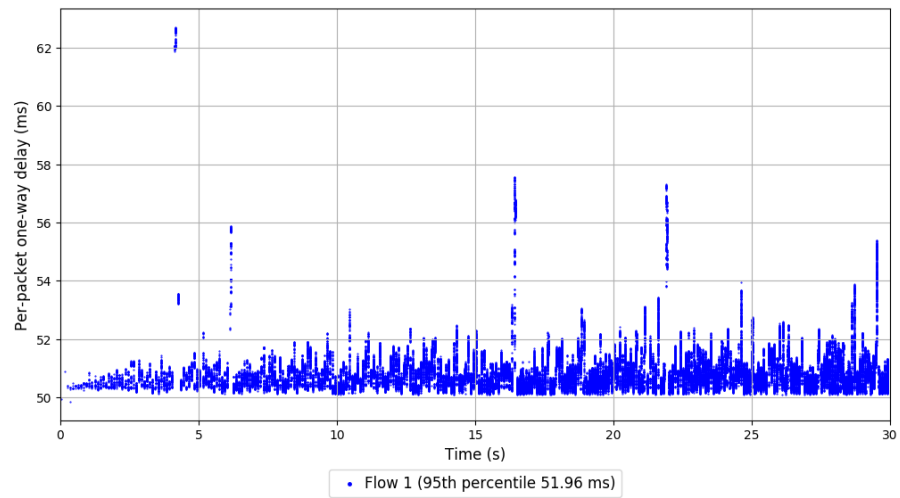
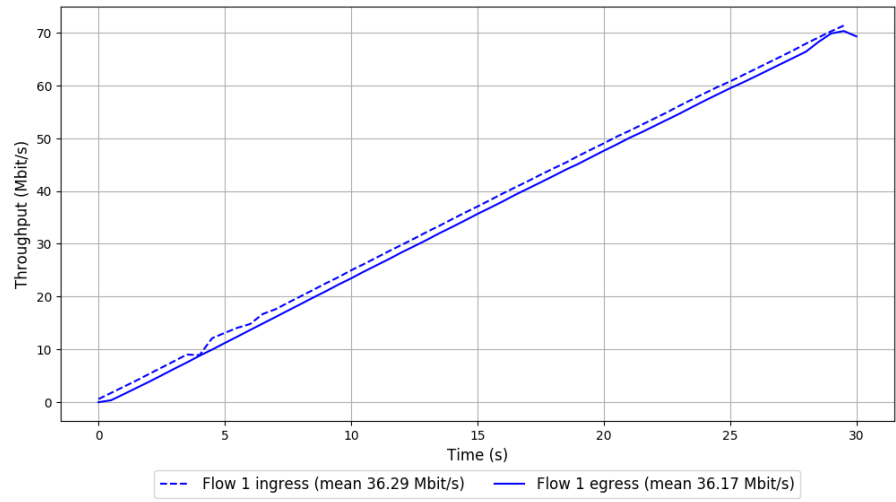


Run 7: Statistics of LEDBAT

Start at: 2018-07-27 04:44:03
End at: 2018-07-27 04:44:33
Local clock offset: -0.03 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-27 06:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 51.964 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 51.964 ms
Loss rate: 0.66%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-27 05:05:54

End at: 2018-07-27 05:06:24

Local clock offset: 0.021 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 51.945 ms

Loss rate: 0.43%

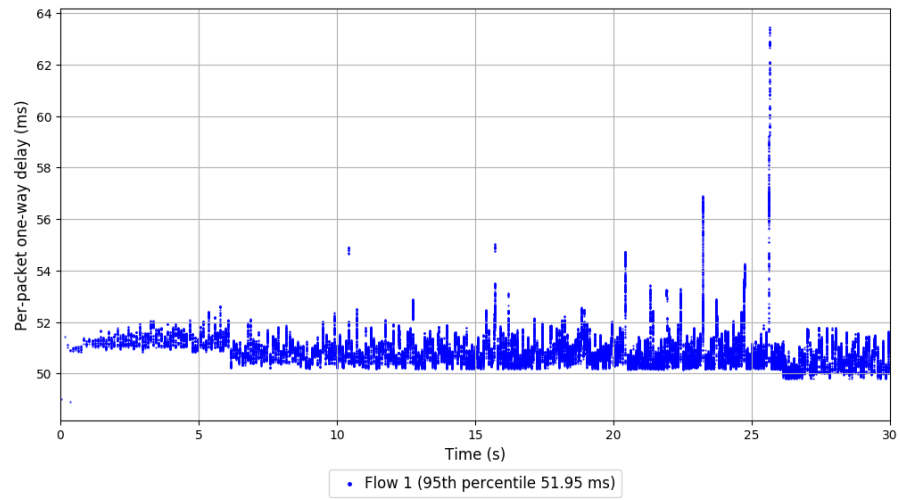
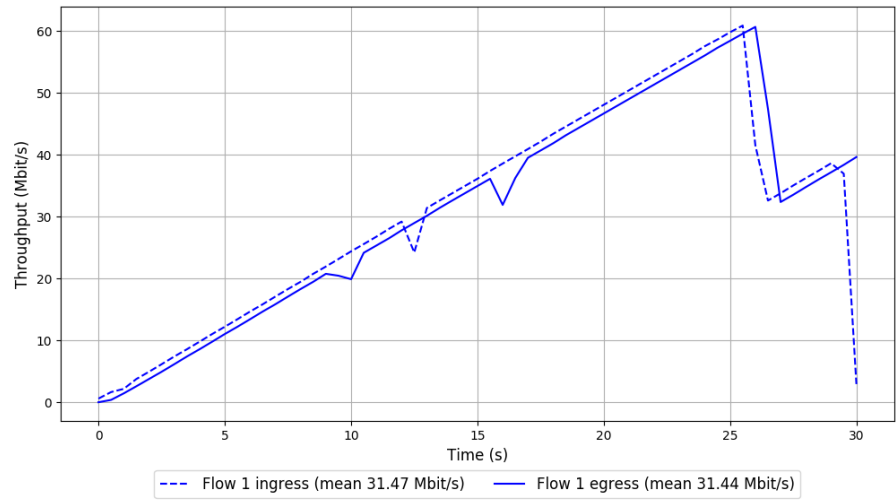
-- Flow 1:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 51.945 ms

Loss rate: 0.43%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-27 05:27:32

End at: 2018-07-27 05:28:02

Local clock offset: -0.046 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 52.741 ms

Loss rate: 0.69%

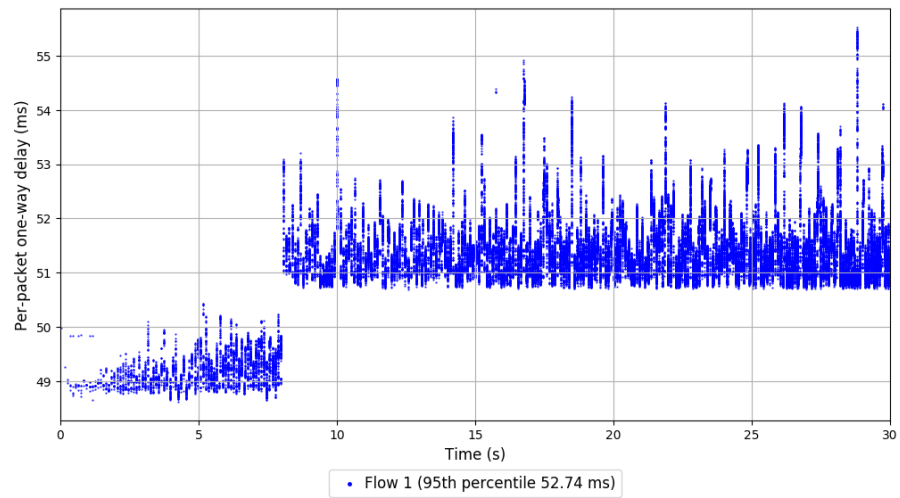
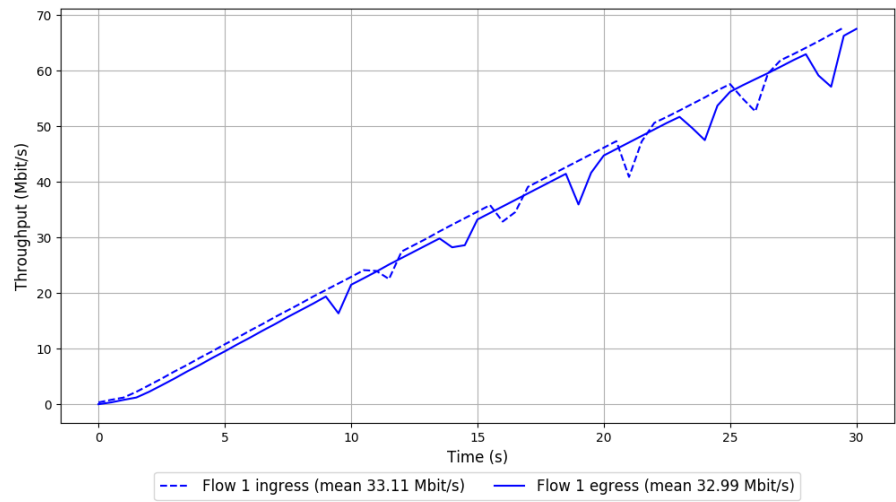
-- Flow 1:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 52.741 ms

Loss rate: 0.69%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-27 05:49:14

End at: 2018-07-27 05:49:44

Local clock offset: -0.026 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-27 06:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 52.242 ms

Loss rate: 0.74%

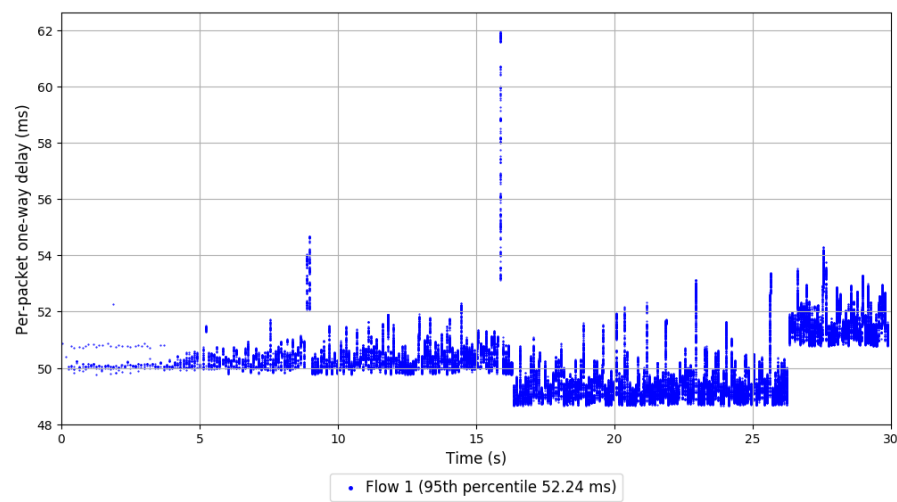
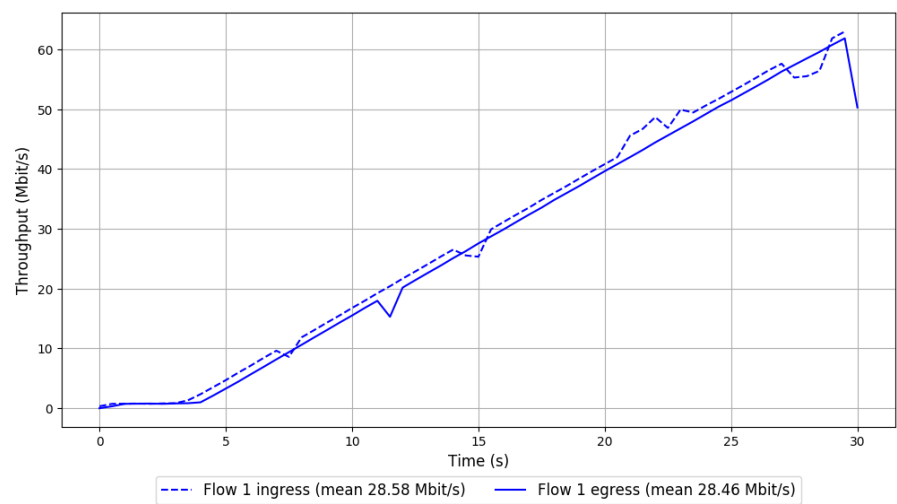
-- Flow 1:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 52.242 ms

Loss rate: 0.74%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-27 02:17:42

End at: 2018-07-27 02:18:12

Local clock offset: 0.264 ms

Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-27 06:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.94 Mbit/s

95th percentile per-packet one-way delay: 81.358 ms

Loss rate: 0.43%

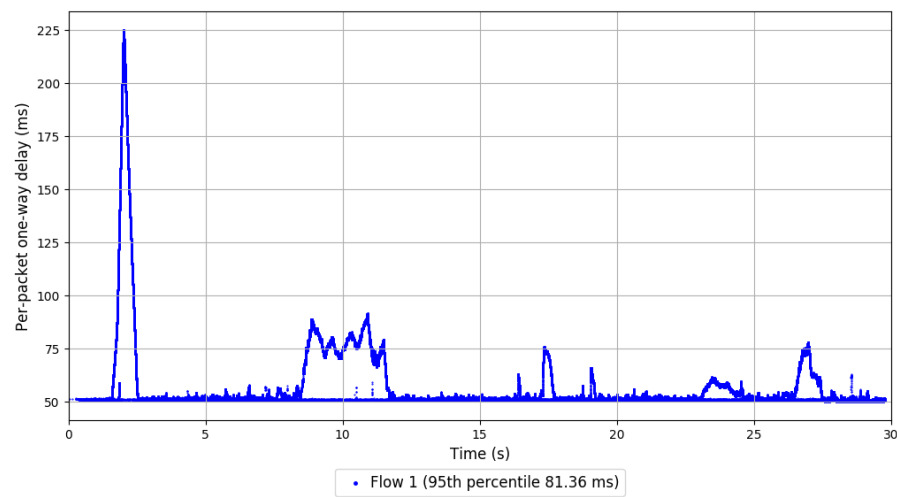
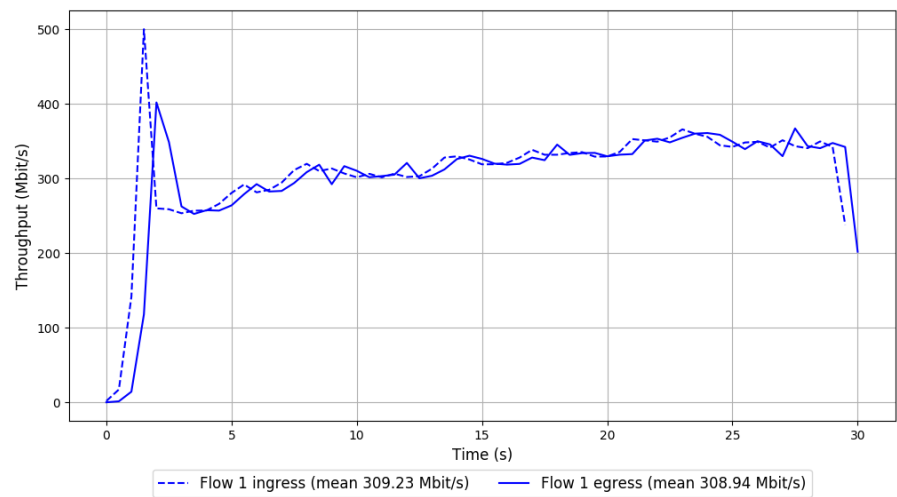
-- Flow 1:

Average throughput: 308.94 Mbit/s

95th percentile per-packet one-way delay: 81.358 ms

Loss rate: 0.43%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-27 02:39:28

End at: 2018-07-27 02:39:58

Local clock offset: -0.046 ms

Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-27 06:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.58 Mbit/s

95th percentile per-packet one-way delay: 63.579 ms

Loss rate: 0.46%

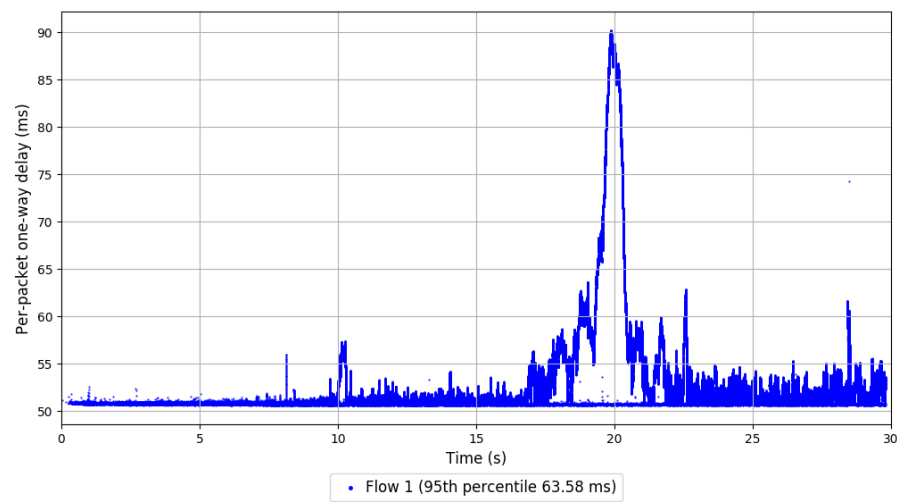
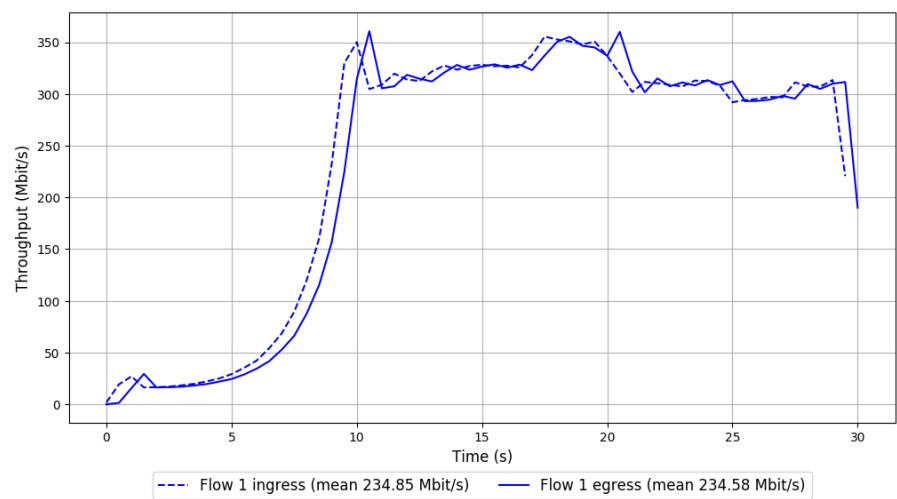
-- Flow 1:

Average throughput: 234.58 Mbit/s

95th percentile per-packet one-way delay: 63.579 ms

Loss rate: 0.46%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-27 03:01:15

End at: 2018-07-27 03:01:45

Local clock offset: 0.007 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 06:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.51 Mbit/s

95th percentile per-packet one-way delay: 79.478 ms

Loss rate: 0.48%

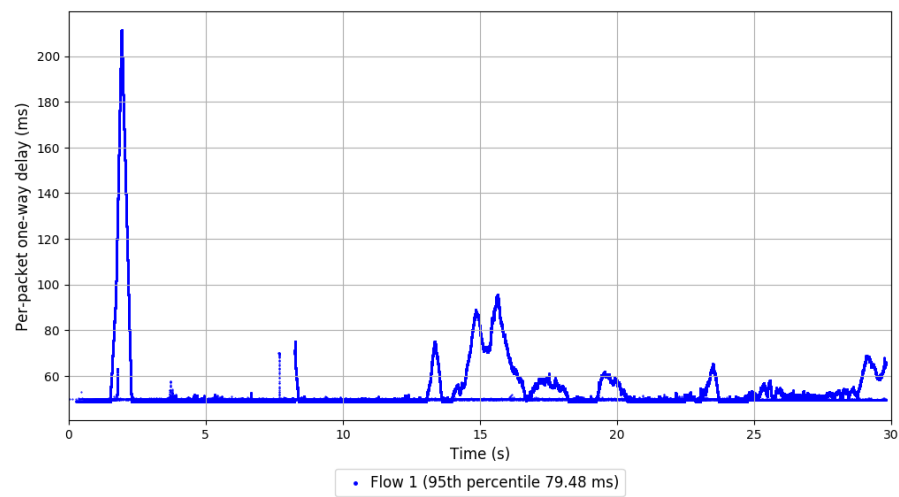
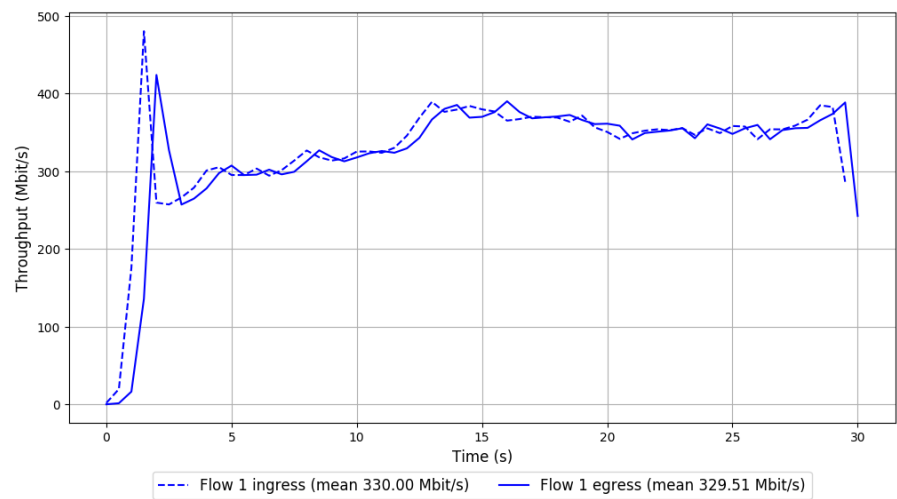
-- Flow 1:

Average throughput: 329.51 Mbit/s

95th percentile per-packet one-way delay: 79.478 ms

Loss rate: 0.48%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-27 03:23:03

End at: 2018-07-27 03:23:33

Local clock offset: -0.13 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-27 06:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.76 Mbit/s

95th percentile per-packet one-way delay: 143.476 ms

Loss rate: 0.88%

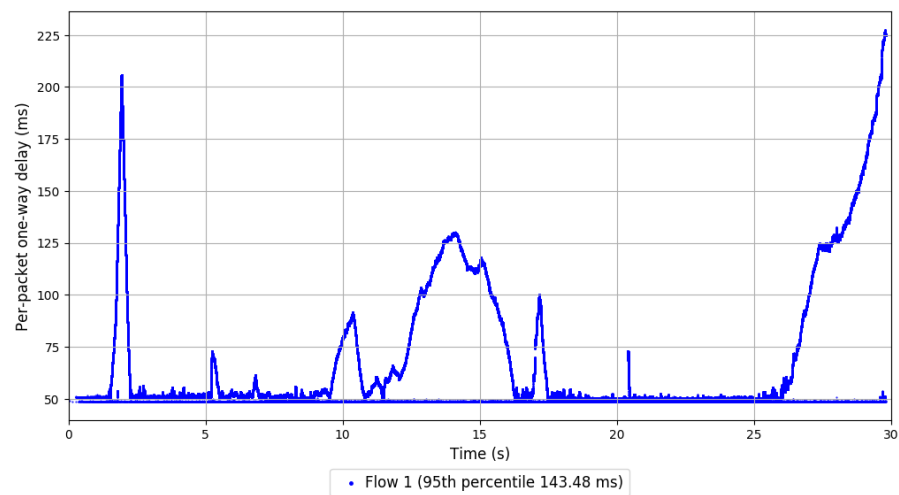
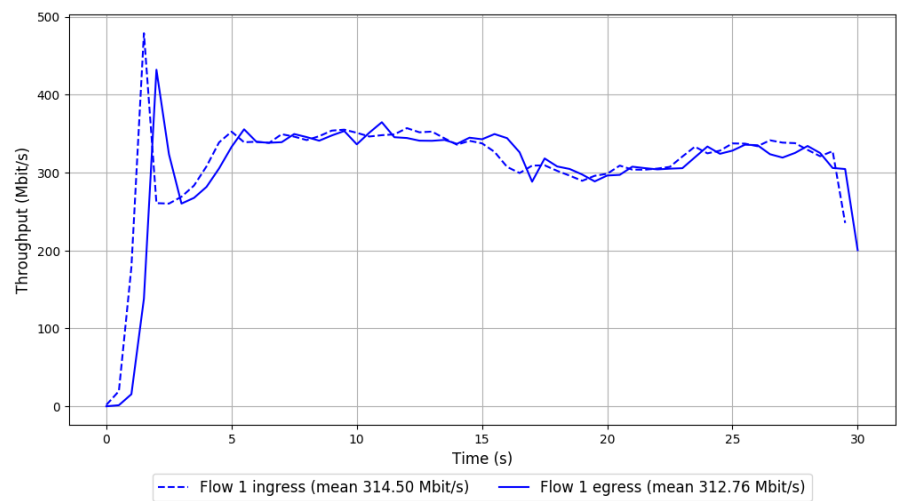
-- Flow 1:

Average throughput: 312.76 Mbit/s

95th percentile per-packet one-way delay: 143.476 ms

Loss rate: 0.88%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-27 03:44:39

End at: 2018-07-27 03:45:09

Local clock offset: -0.542 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-27 06:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.76 Mbit/s

95th percentile per-packet one-way delay: 94.585 ms

Loss rate: 0.36%

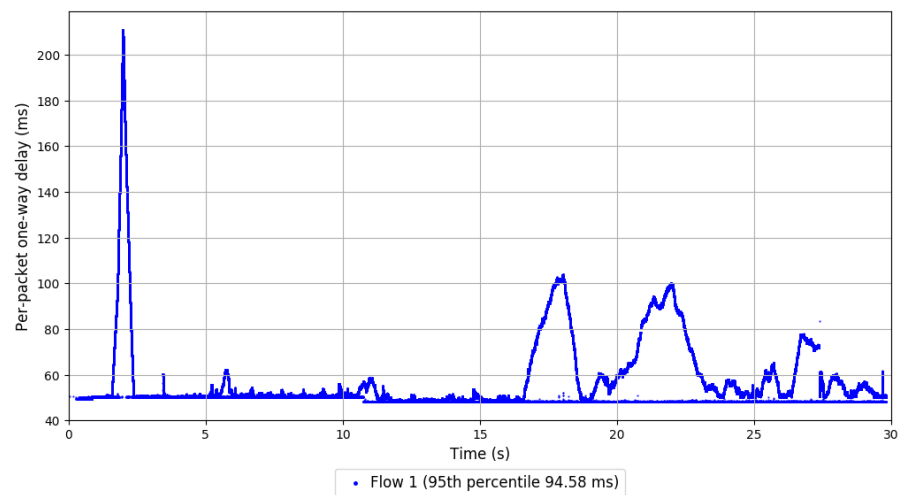
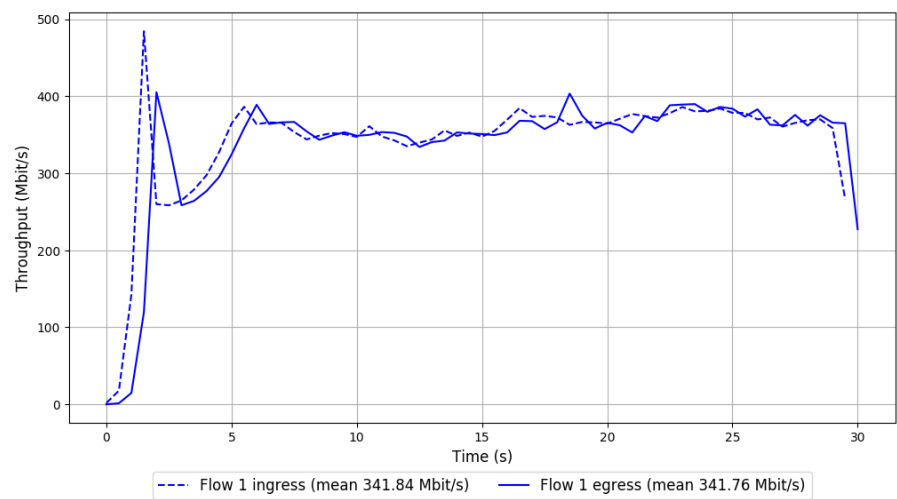
-- Flow 1:

Average throughput: 341.76 Mbit/s

95th percentile per-packet one-way delay: 94.585 ms

Loss rate: 0.36%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-27 04:06:23

End at: 2018-07-27 04:06:53

Local clock offset: -0.027 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-27 06:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.88 Mbit/s

95th percentile per-packet one-way delay: 61.748 ms

Loss rate: 0.42%

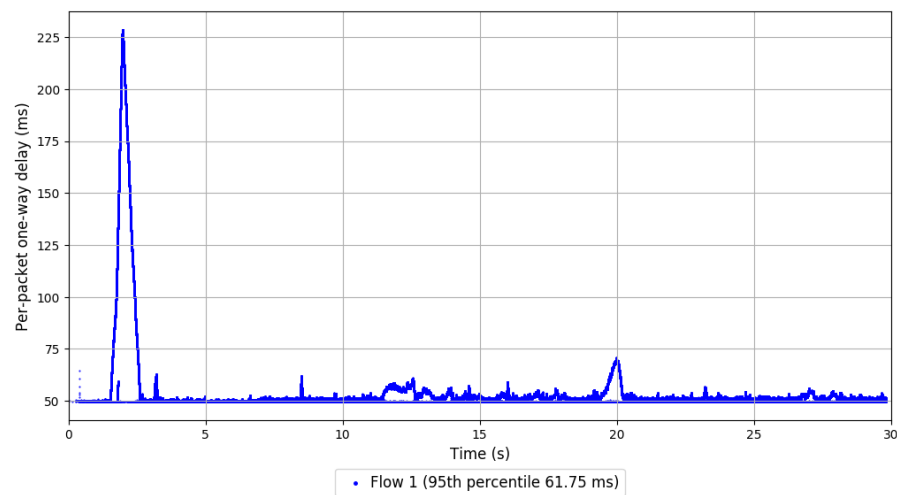
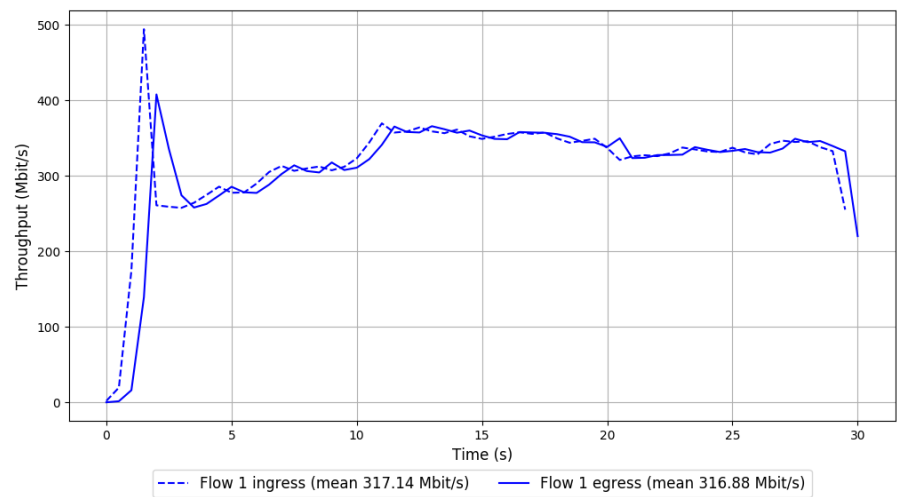
-- Flow 1:

Average throughput: 316.88 Mbit/s

95th percentile per-packet one-way delay: 61.748 ms

Loss rate: 0.42%

Run 6: Report of PCC-Allegro — Data Link

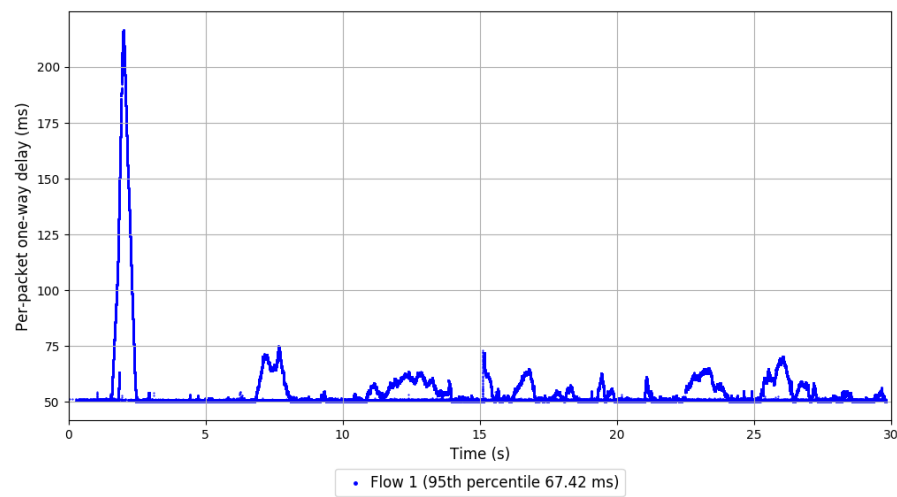
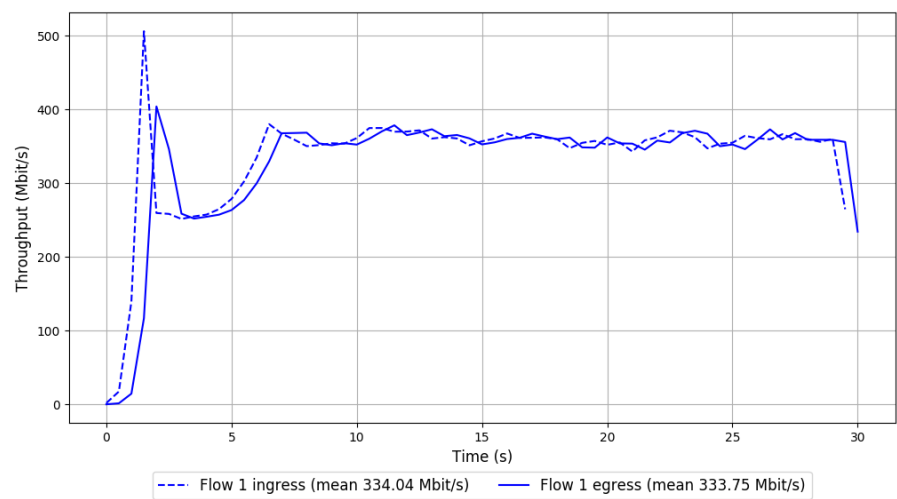


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-27 04:28:08
End at: 2018-07-27 04:28:38
Local clock offset: 0.343 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-27 06:58:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.75 Mbit/s
95th percentile per-packet one-way delay: 67.425 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 333.75 Mbit/s
95th percentile per-packet one-way delay: 67.425 ms
Loss rate: 0.43%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-27 04:49:59

End at: 2018-07-27 04:50:29

Local clock offset: 0.025 ms

Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-27 06:58:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.01 Mbit/s

95th percentile per-packet one-way delay: 102.191 ms

Loss rate: 0.48%

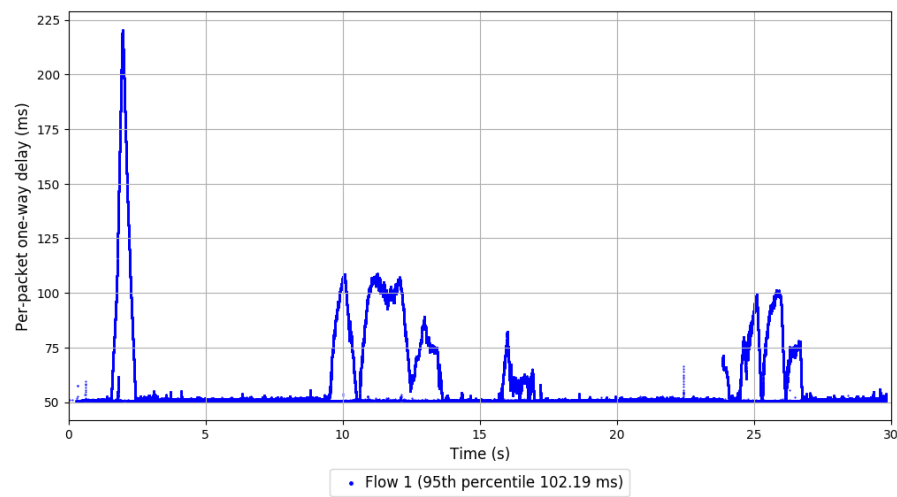
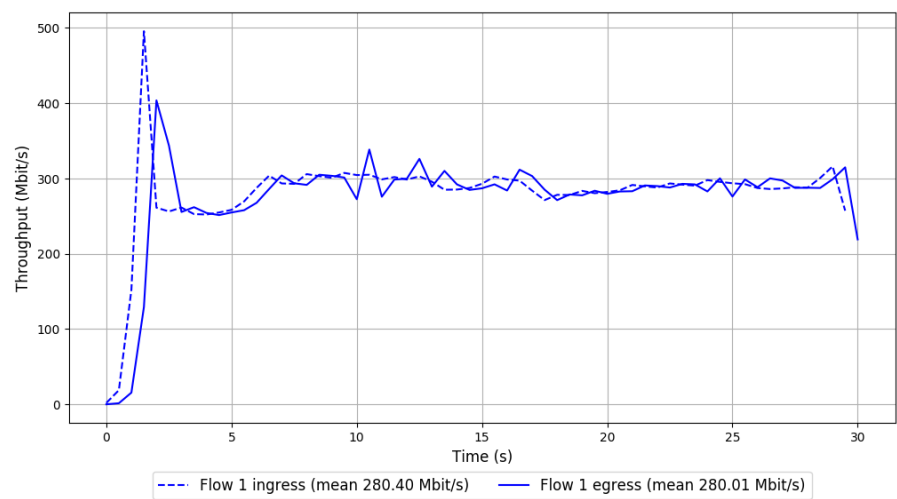
-- Flow 1:

Average throughput: 280.01 Mbit/s

95th percentile per-packet one-way delay: 102.191 ms

Loss rate: 0.48%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-27 05:11:49

End at: 2018-07-27 05:12:19

Local clock offset: 0.031 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-27 07:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.52 Mbit/s

95th percentile per-packet one-way delay: 74.182 ms

Loss rate: 0.39%

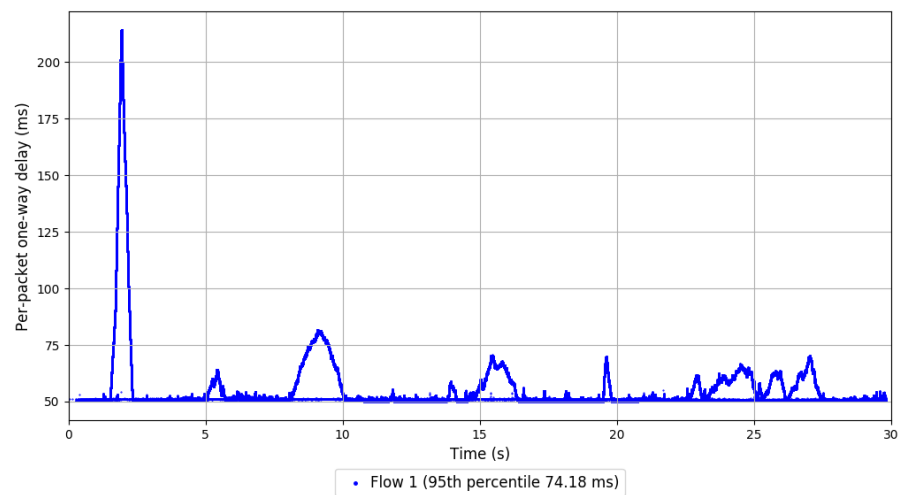
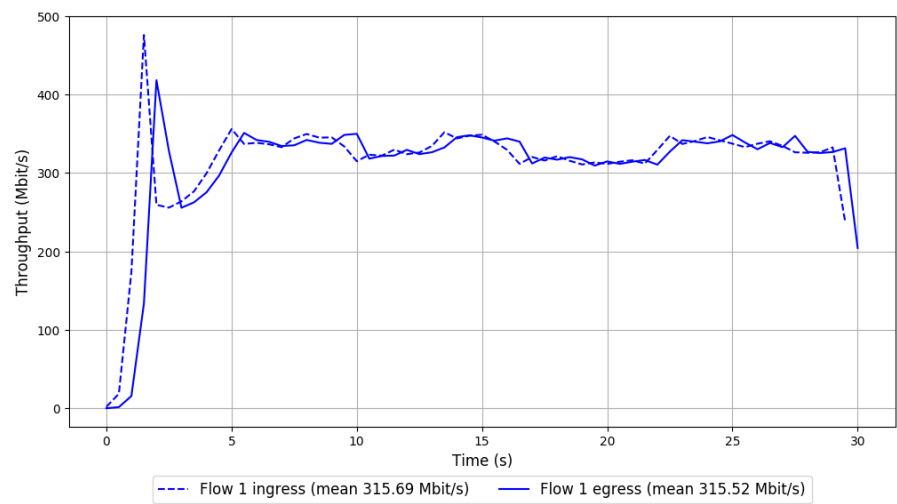
-- Flow 1:

Average throughput: 315.52 Mbit/s

95th percentile per-packet one-way delay: 74.182 ms

Loss rate: 0.39%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-27 05:33:30

End at: 2018-07-27 05:34:00

Local clock offset: -0.416 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-27 07:02:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.01 Mbit/s

95th percentile per-packet one-way delay: 130.758 ms

Loss rate: 0.40%

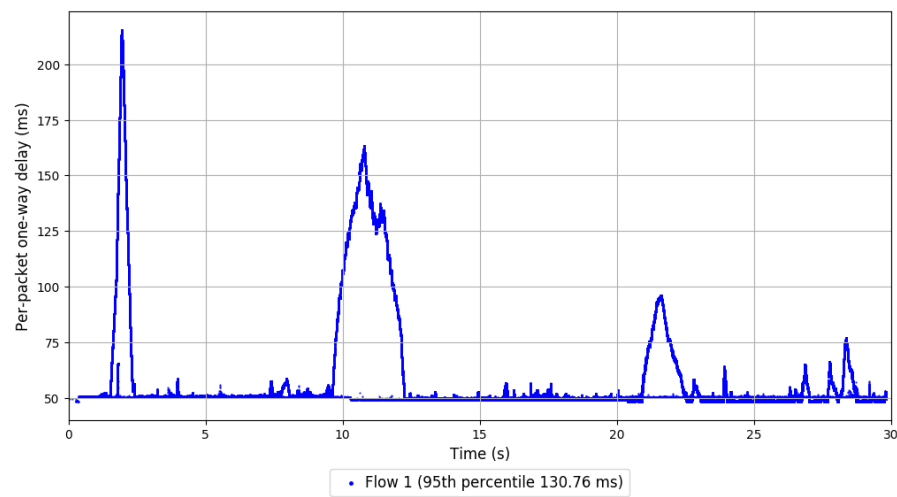
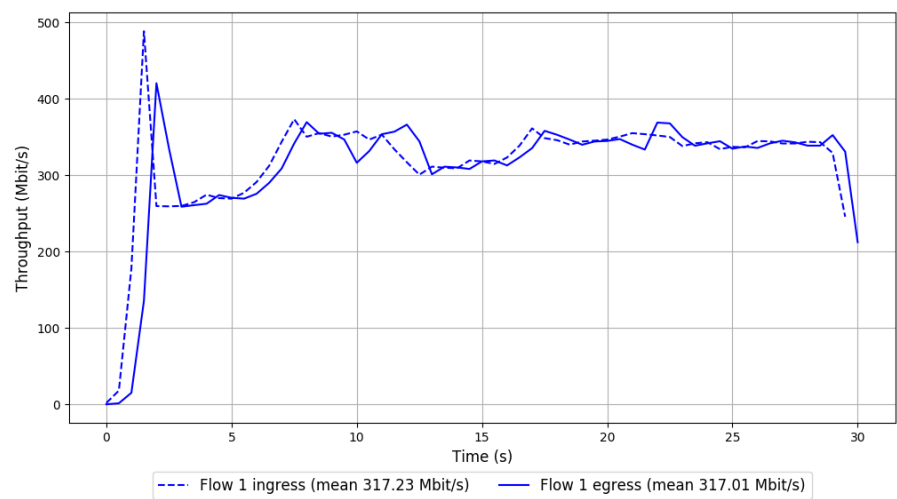
-- Flow 1:

Average throughput: 317.01 Mbit/s

95th percentile per-packet one-way delay: 130.758 ms

Loss rate: 0.40%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-27 02:25:57
End at: 2018-07-27 02:26:27
Local clock offset: -0.089 ms
Remote clock offset: -0.133 ms

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

Datalink statistics

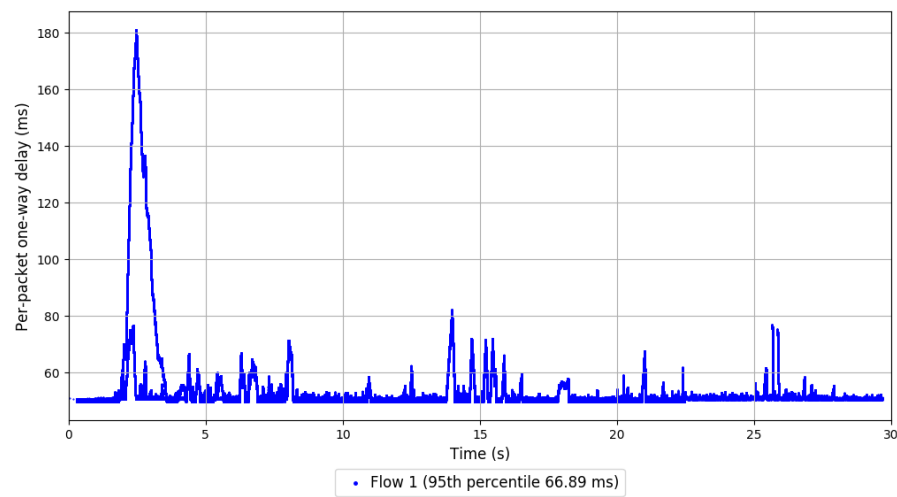
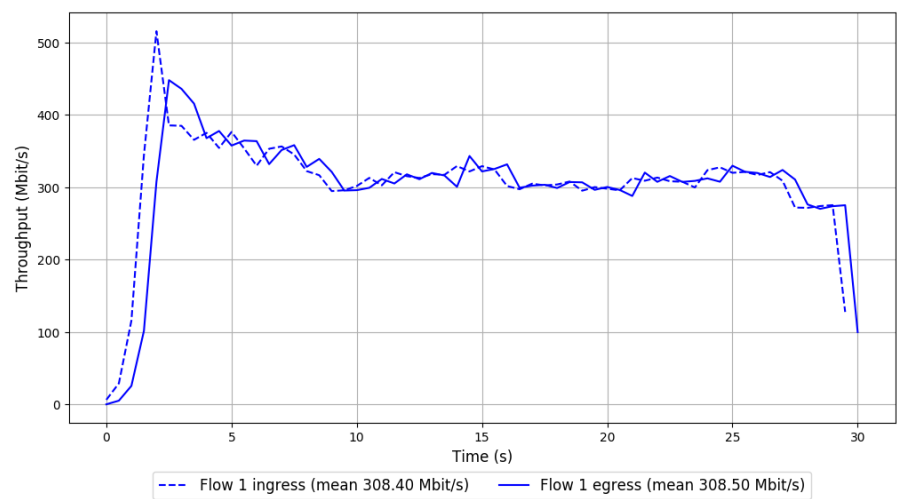
-- Total of 1 flow:

Average throughput: 308.50 Mbit/s
95th percentile per-packet one-way delay: 66.892 ms
Loss rate: 0.30%

-- Flow 1:

Average throughput: 308.50 Mbit/s
95th percentile per-packet one-way delay: 66.892 ms
Loss rate: 0.30%

Run 1: Report of PCC-Expr — Data Link

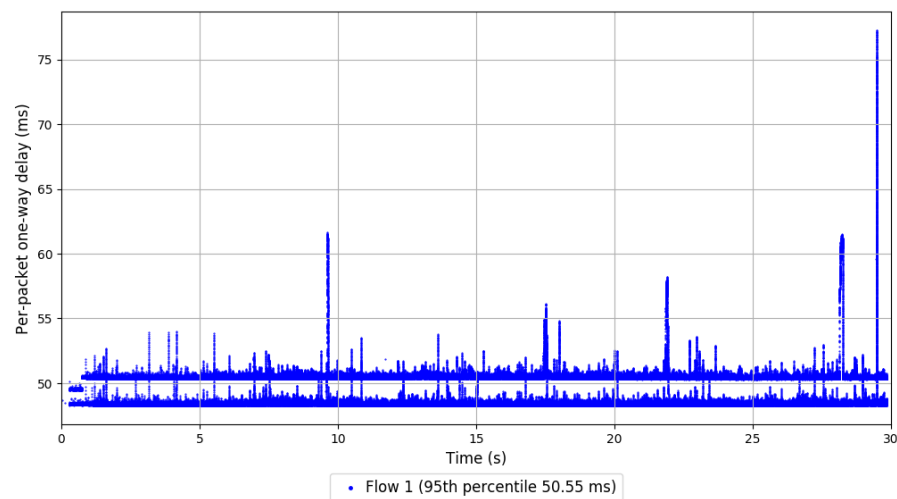
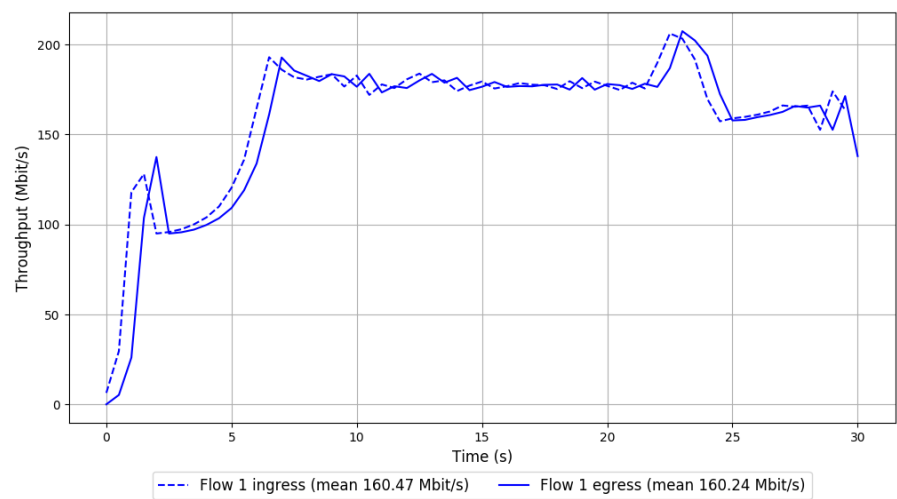


Run 2: Statistics of PCC-Expr

Start at: 2018-07-27 02:47:39
End at: 2018-07-27 02:48:09
Local clock offset: -0.39 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-27 07:07:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.24 Mbit/s
95th percentile per-packet one-way delay: 50.554 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 160.24 Mbit/s
95th percentile per-packet one-way delay: 50.554 ms
Loss rate: 0.48%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-27 03:09:26

End at: 2018-07-27 03:09:56

Local clock offset: 0.029 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-27 07:09:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.61 Mbit/s

95th percentile per-packet one-way delay: 312.953 ms

Loss rate: 6.83%

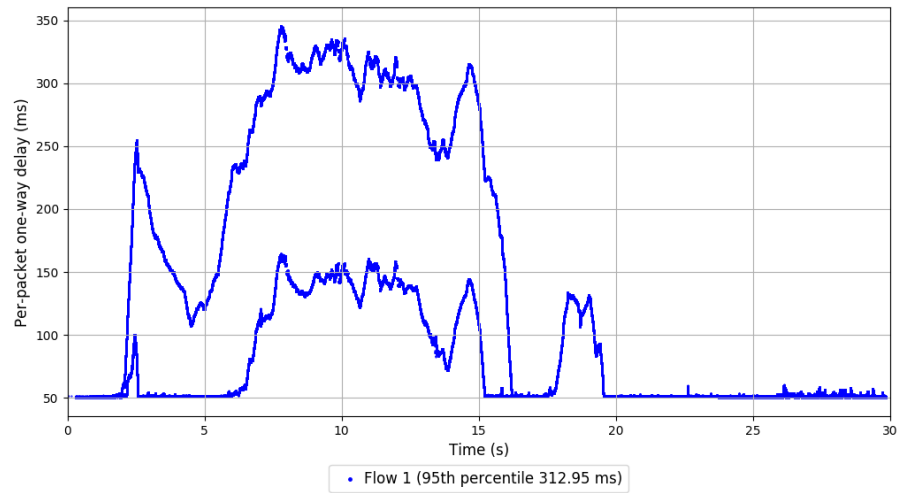
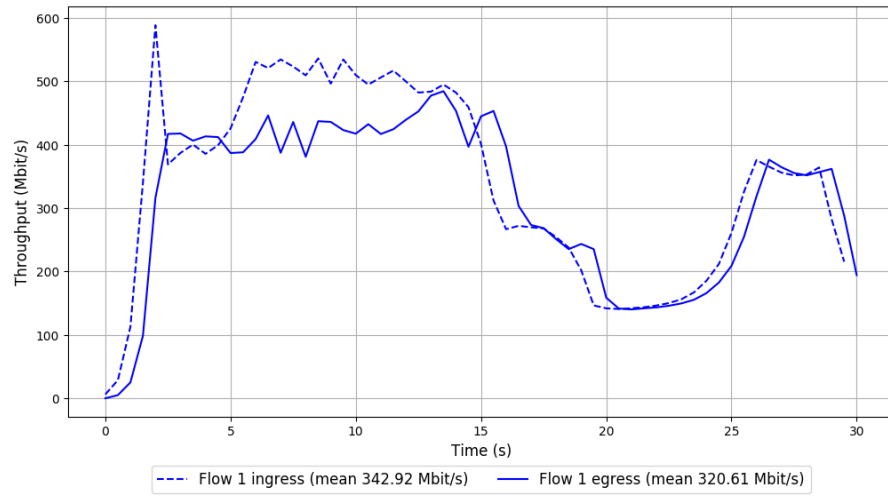
-- Flow 1:

Average throughput: 320.61 Mbit/s

95th percentile per-packet one-way delay: 312.953 ms

Loss rate: 6.83%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-27 03:31:08

End at: 2018-07-27 03:31:38

Local clock offset: -0.142 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-27 07:11:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.22 Mbit/s

95th percentile per-packet one-way delay: 309.432 ms

Loss rate: 10.61%

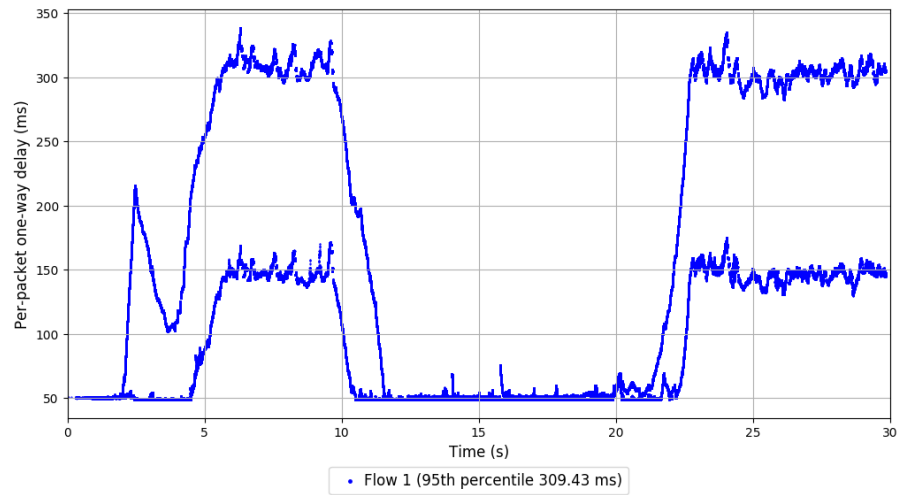
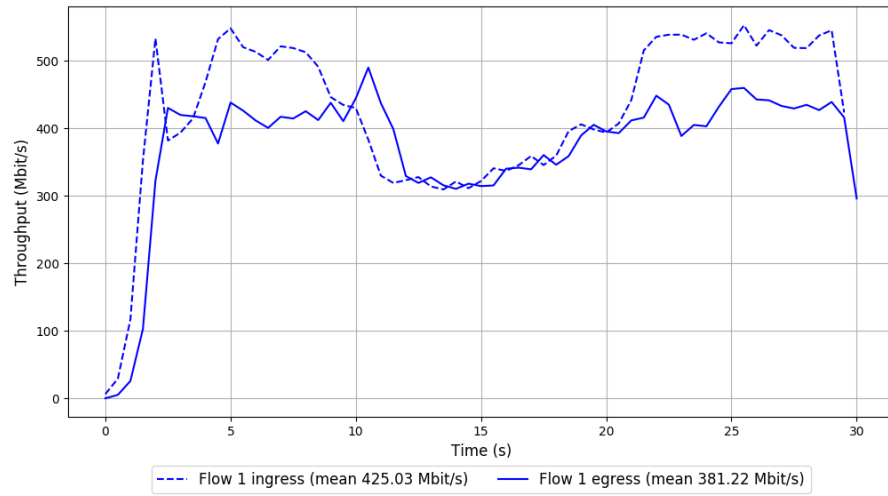
-- Flow 1:

Average throughput: 381.22 Mbit/s

95th percentile per-packet one-way delay: 309.432 ms

Loss rate: 10.61%

Run 4: Report of PCC-Expr — Data Link

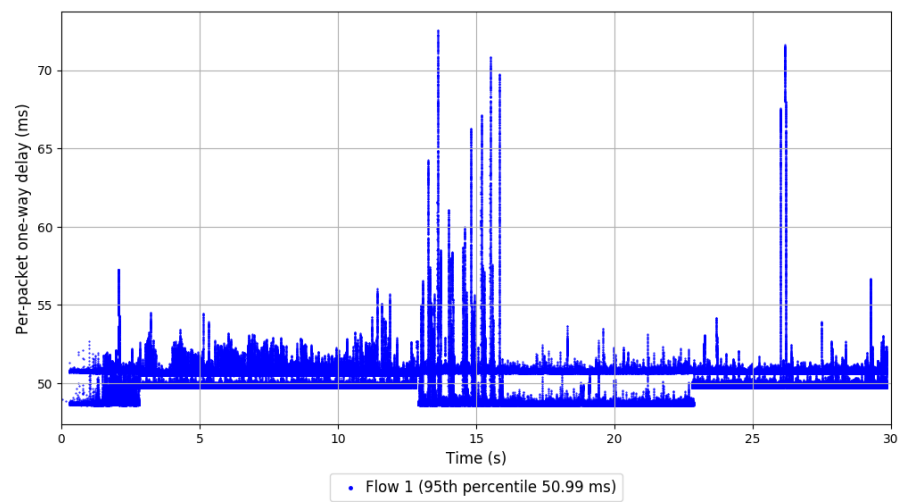
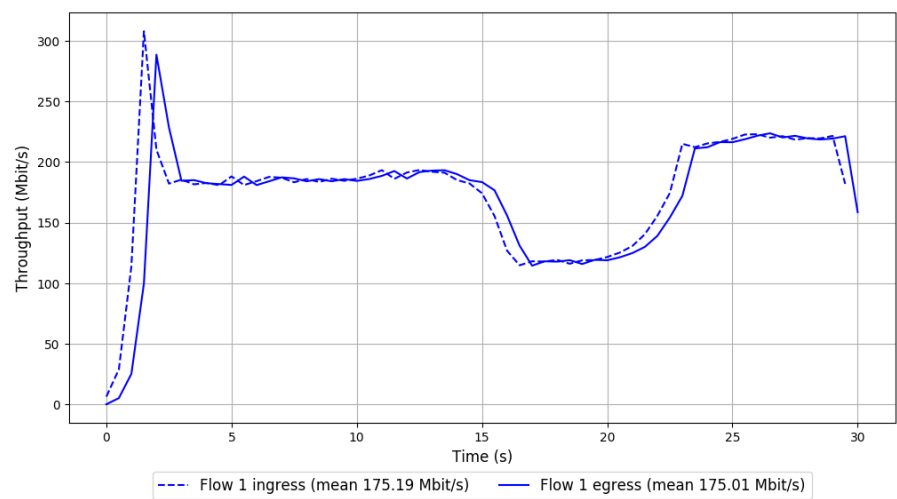


Run 5: Statistics of PCC-Expr

Start at: 2018-07-27 03:52:57
End at: 2018-07-27 03:53:27
Local clock offset: -0.137 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-27 07:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.01 Mbit/s
95th percentile per-packet one-way delay: 50.991 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 175.01 Mbit/s
95th percentile per-packet one-way delay: 50.991 ms
Loss rate: 0.44%

Run 5: Report of PCC-Expr — Data Link

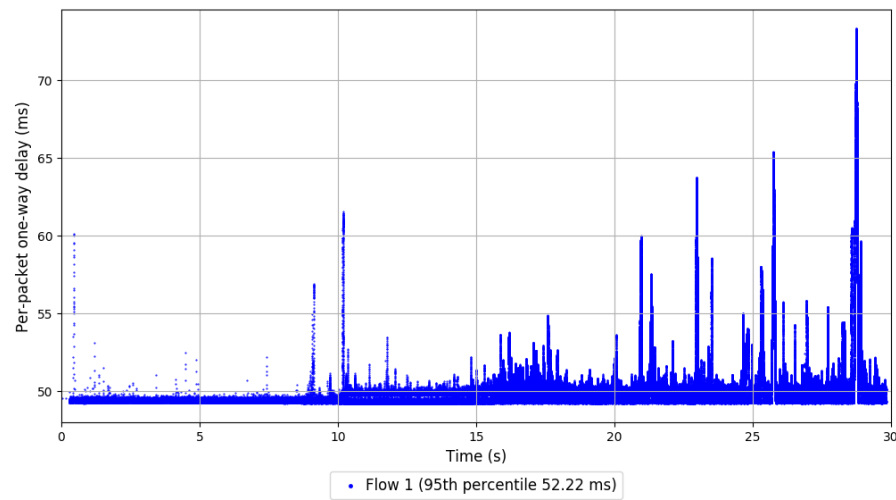
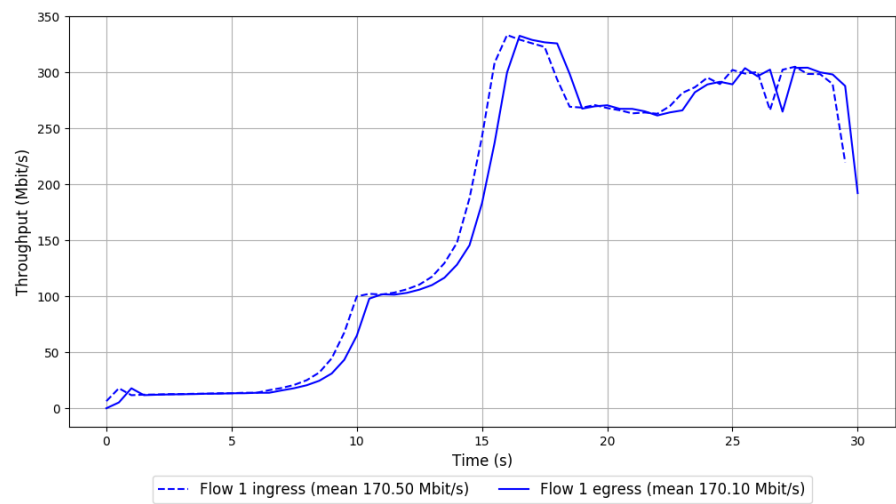


Run 6: Statistics of PCC-Expr

Start at: 2018-07-27 04:14:40
End at: 2018-07-27 04:15:10
Local clock offset: -0.397 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-27 07:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.10 Mbit/s
95th percentile per-packet one-way delay: 52.219 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 170.10 Mbit/s
95th percentile per-packet one-way delay: 52.219 ms
Loss rate: 0.57%

Run 6: Report of PCC-Expr — Data Link

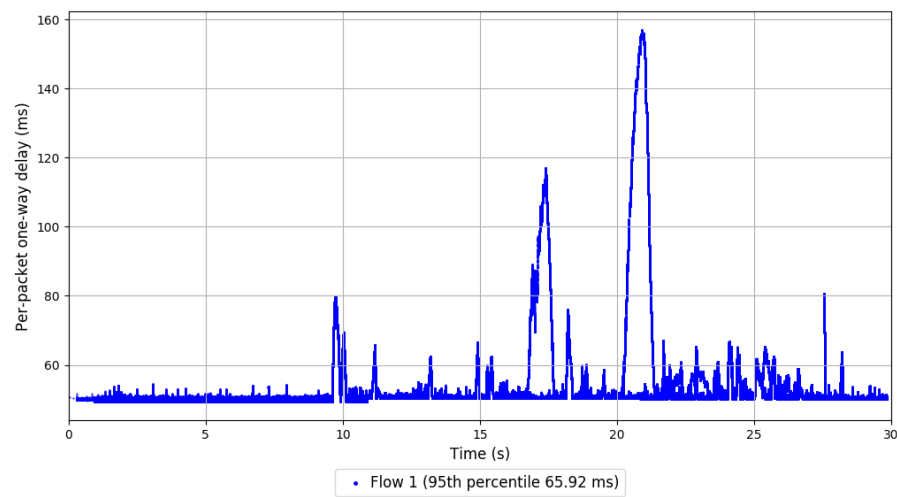
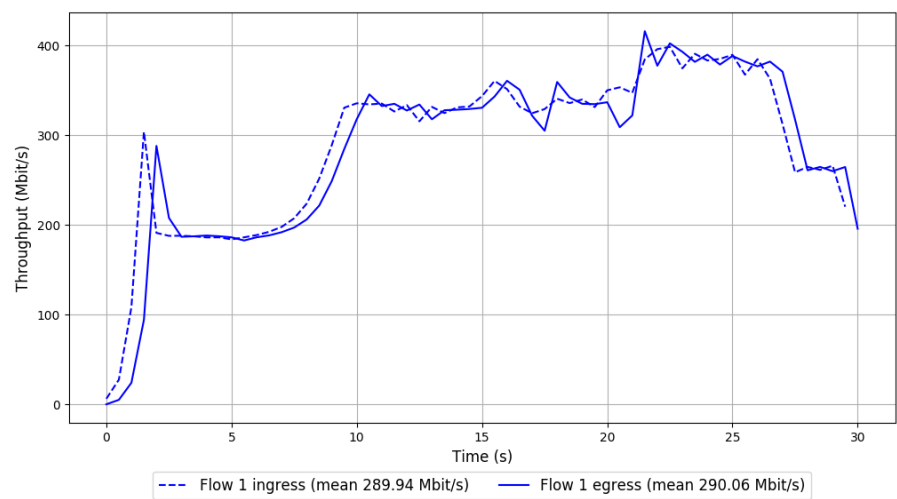


Run 7: Statistics of PCC-Expr

Start at: 2018-07-27 04:36:29
End at: 2018-07-27 04:36:59
Local clock offset: -0.4 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-27 07:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.06 Mbit/s
95th percentile per-packet one-way delay: 65.925 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 290.06 Mbit/s
95th percentile per-packet one-way delay: 65.925 ms
Loss rate: 0.30%

Run 7: Report of PCC-Expr — Data Link

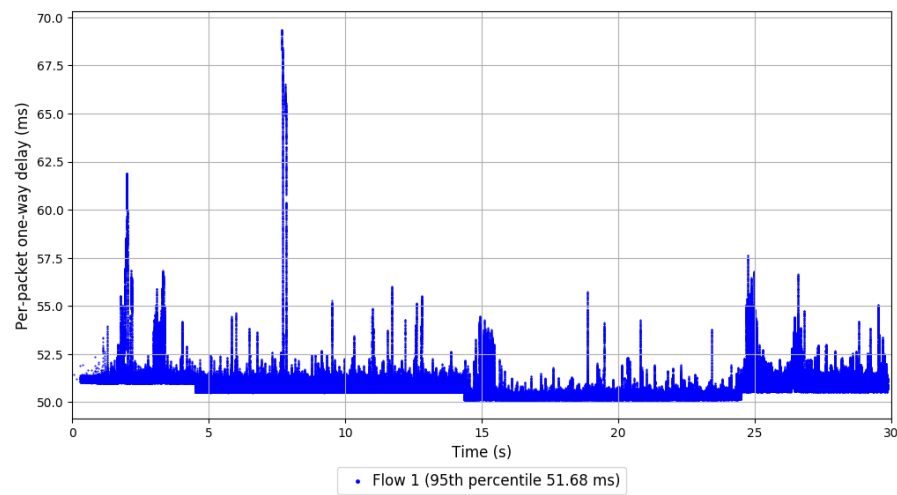
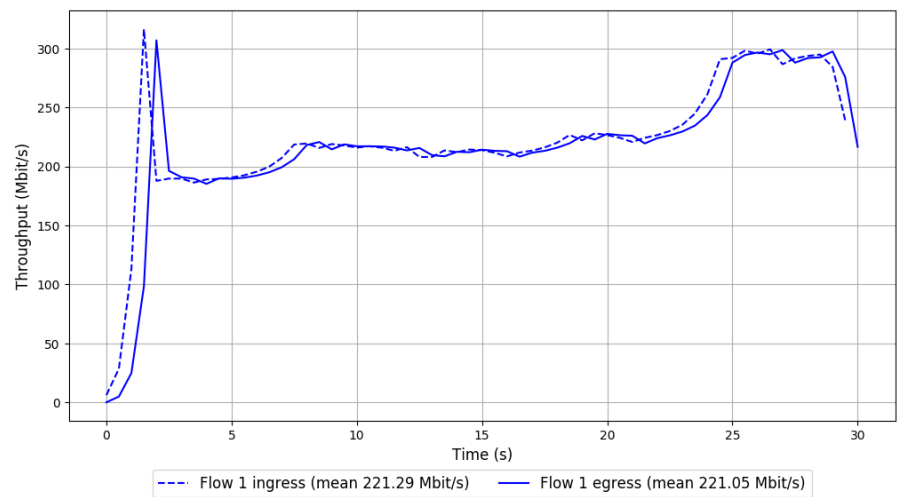


Run 8: Statistics of PCC-Expr

Start at: 2018-07-27 04:58:15
End at: 2018-07-27 04:58:46
Local clock offset: 0.364 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-27 07:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.05 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 221.05 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.45%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-27 05:20:02

End at: 2018-07-27 05:20:32

Local clock offset: -0.366 ms

Remote clock offset: 0.145 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.62 Mbit/s

95th percentile per-packet one-way delay: 59.904 ms

Loss rate: 0.63%

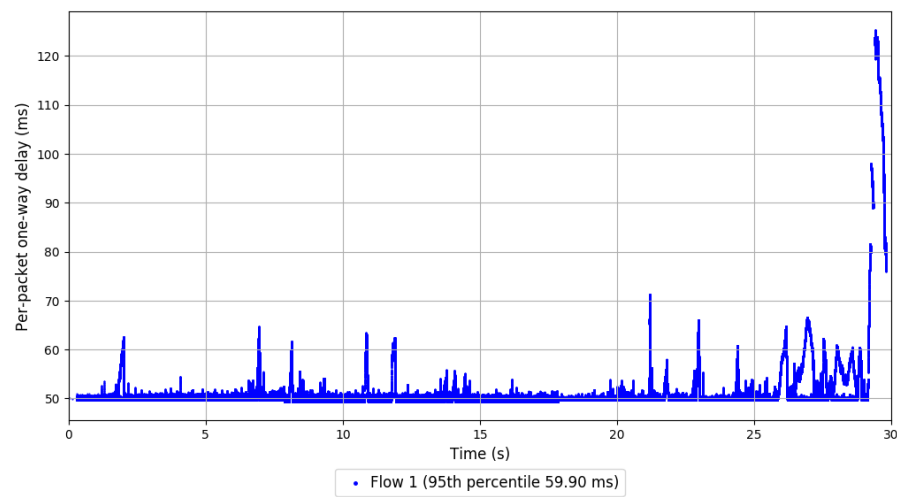
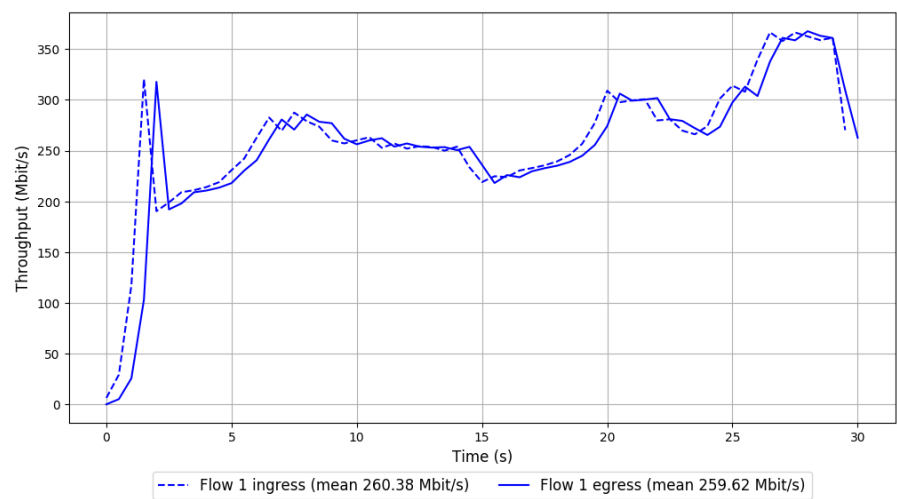
-- Flow 1:

Average throughput: 259.62 Mbit/s

95th percentile per-packet one-way delay: 59.904 ms

Loss rate: 0.63%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-27 05:41:45

End at: 2018-07-27 05:42:15

Local clock offset: 0.358 ms

Remote clock offset: 0.075 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.16 Mbit/s

95th percentile per-packet one-way delay: 53.758 ms

Loss rate: 0.45%

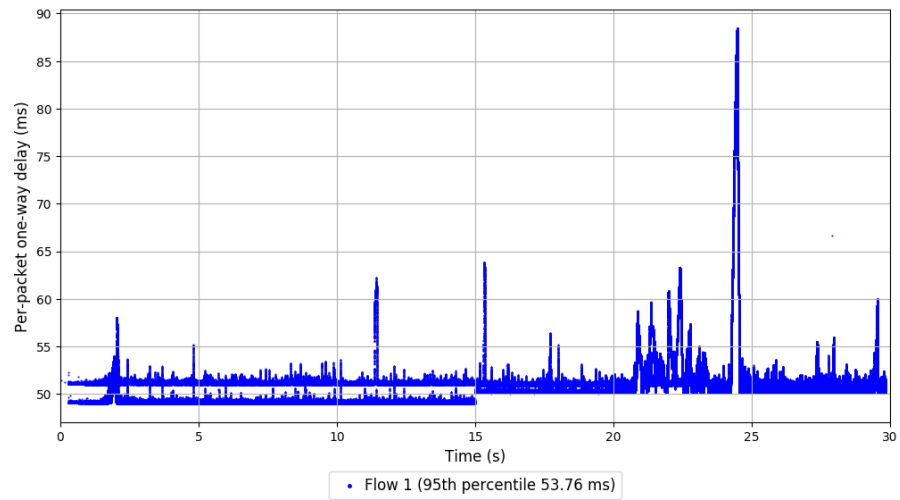
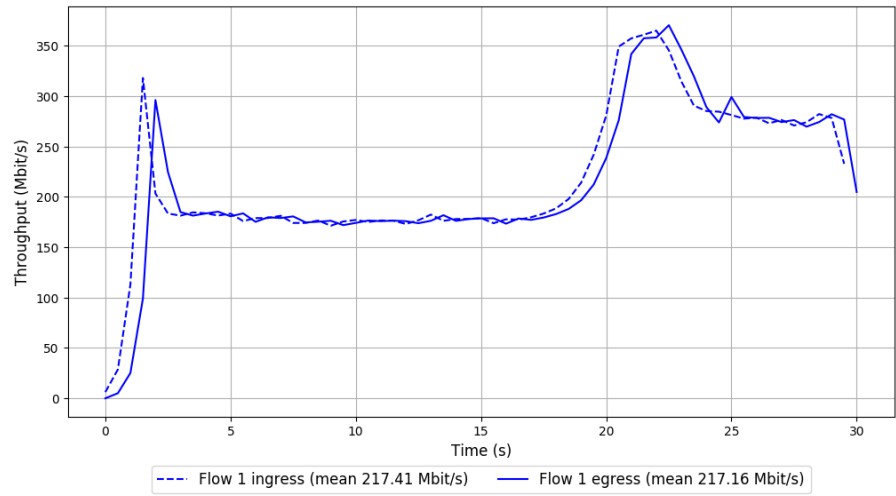
-- Flow 1:

Average throughput: 217.16 Mbit/s

95th percentile per-packet one-way delay: 53.758 ms

Loss rate: 0.45%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

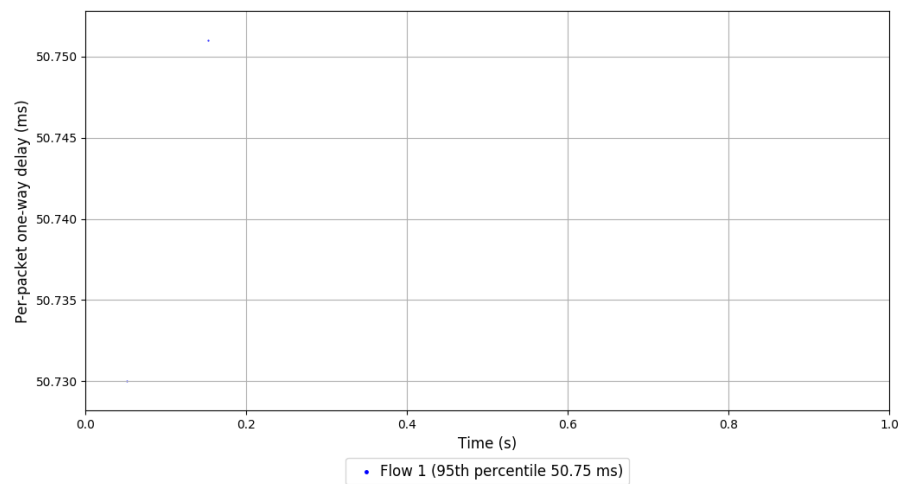
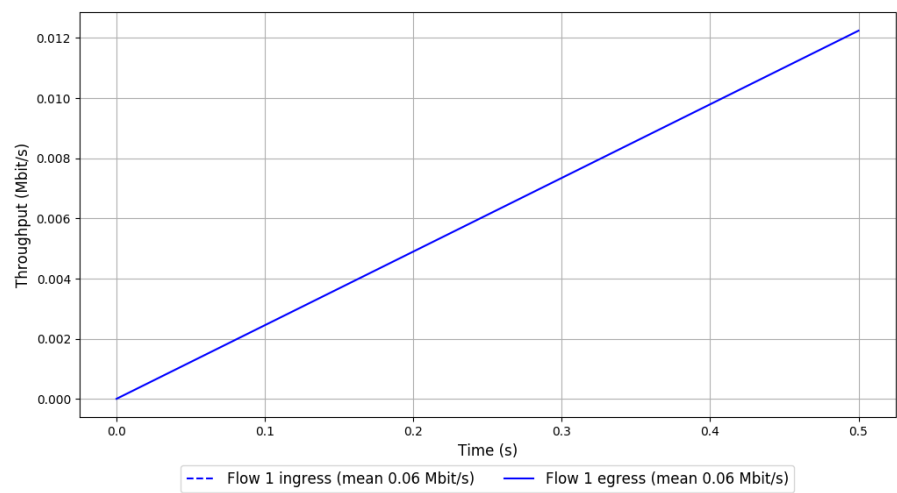
Start at: 2018-07-27 02:34:45

End at: 2018-07-27 02:35:15

Local clock offset: -0.104 ms

Remote clock offset: -0.164 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

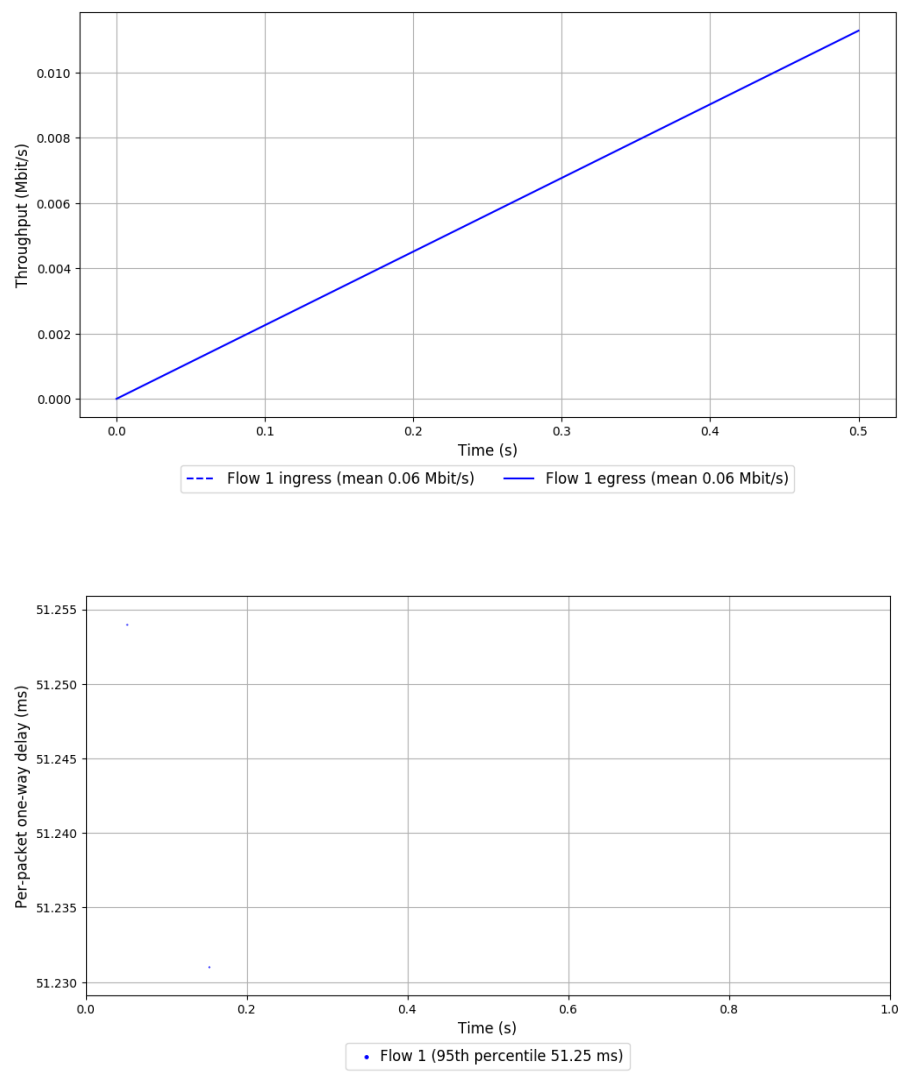
Start at: 2018-07-27 02:56:09

End at: 2018-07-27 02:56:39

Local clock offset: 0.344 ms

Remote clock offset: -0.017 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-27 03:18:13

End at: 2018-07-27 03:18:43

Local clock offset: 0.286 ms

Remote clock offset: -0.025 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 51.018 ms

Loss rate: 0.39%

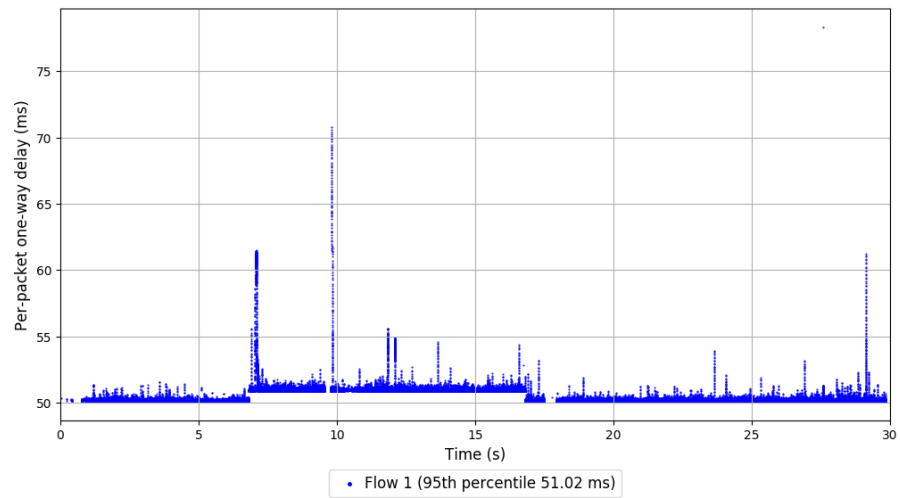
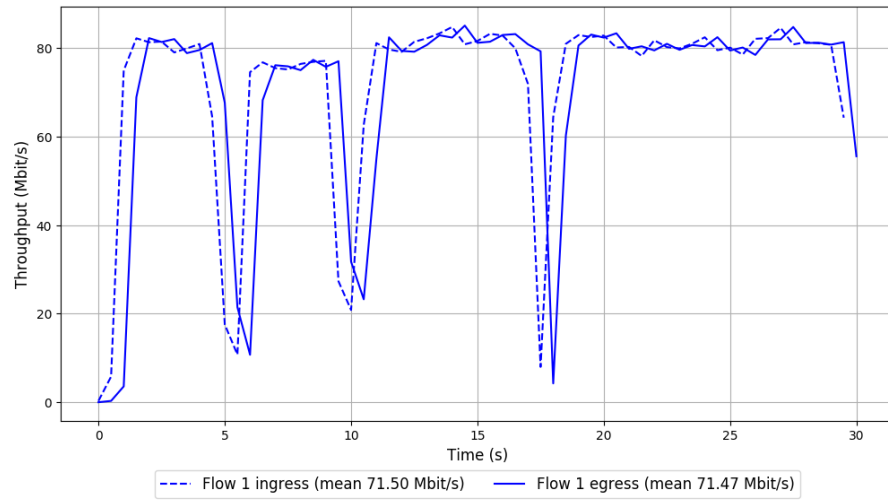
-- Flow 1:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 51.018 ms

Loss rate: 0.39%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-27 03:39:54

End at: 2018-07-27 03:40:24

Local clock offset: -0.164 ms

Remote clock offset: -0.056 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 49.777 ms

Loss rate: 0.36%

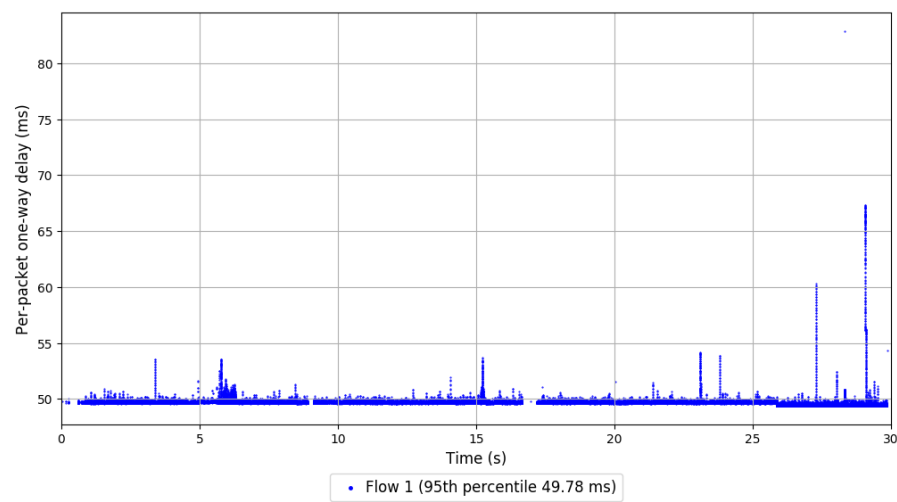
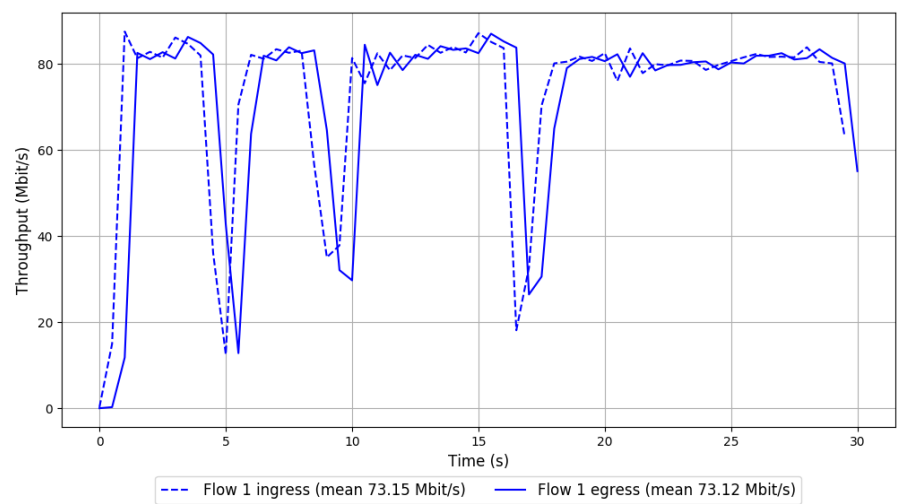
-- Flow 1:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 49.777 ms

Loss rate: 0.36%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-27 04:01:36

End at: 2018-07-27 04:02:06

Local clock offset: -0.086 ms

Remote clock offset: 0.005 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 50.208 ms

Loss rate: 0.39%

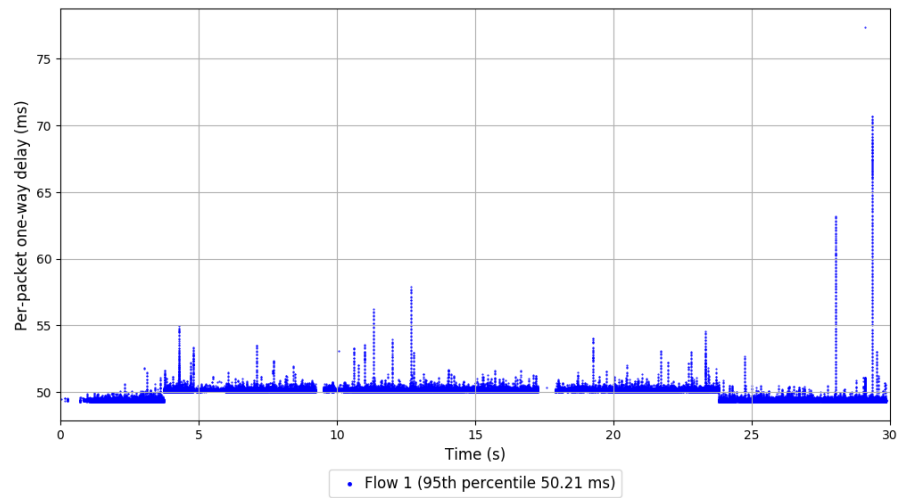
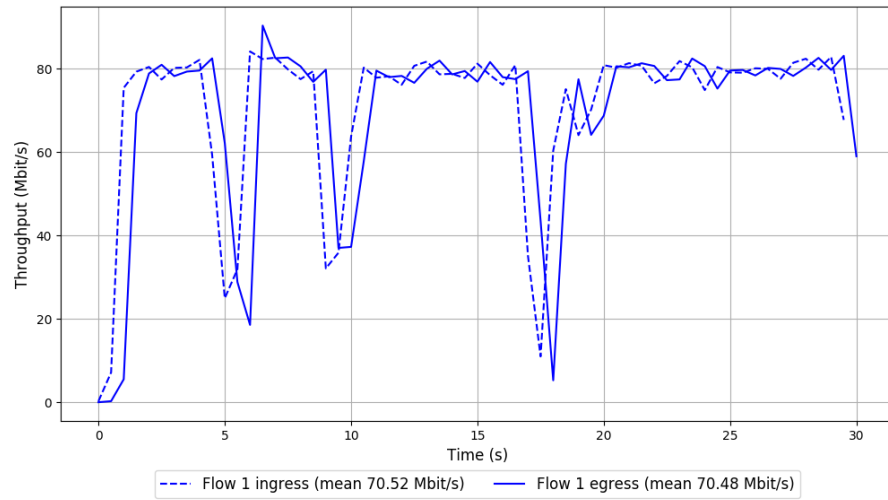
-- Flow 1:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 50.208 ms

Loss rate: 0.39%

Run 5: Report of QUIC Cubic — Data Link

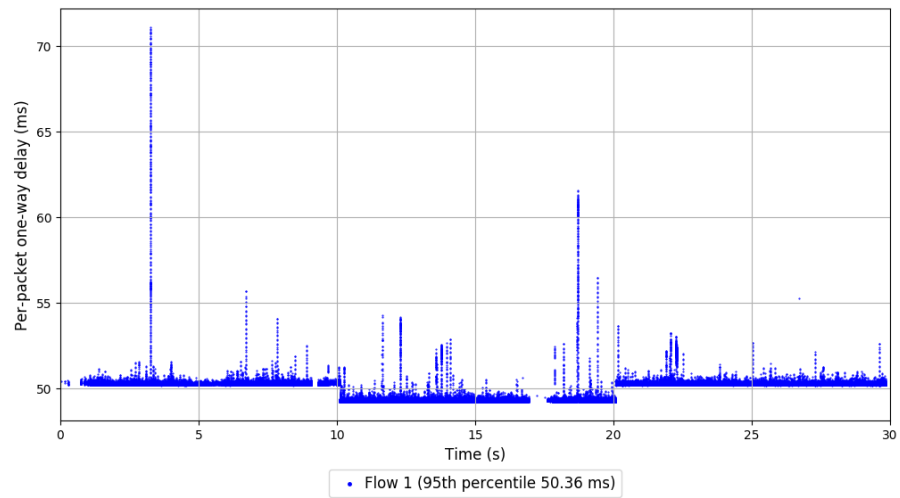
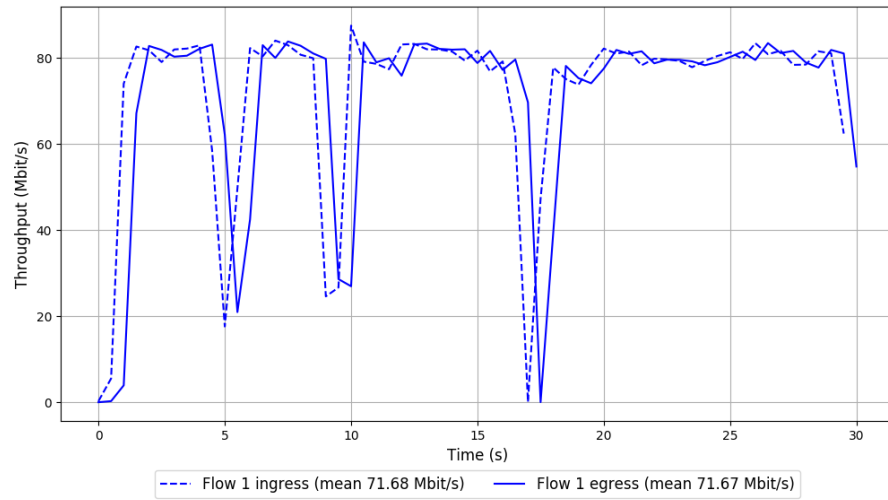


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-27 04:23:20
End at: 2018-07-27 04:23:50
Local clock offset: -0.398 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 50.359 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 50.359 ms
Loss rate: 0.37%

Run 6: Report of QUIC Cubic — Data Link

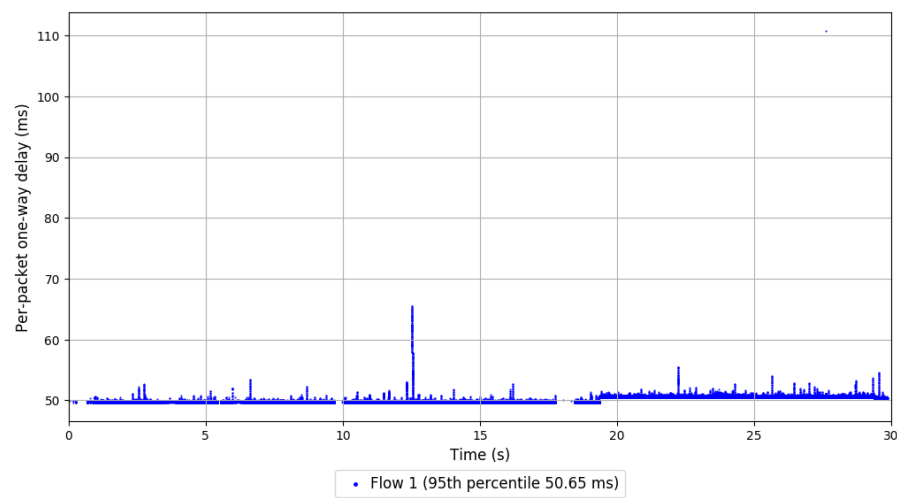
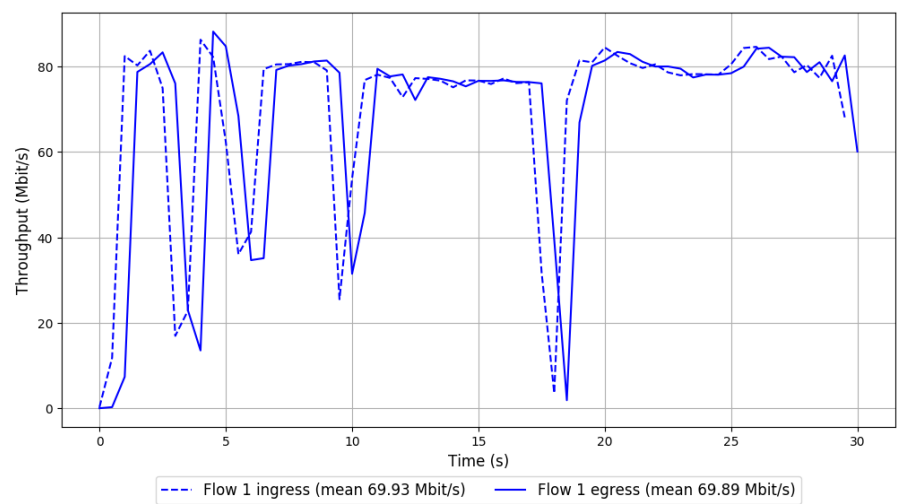


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-27 04:45:11
End at: 2018-07-27 04:45:41
Local clock offset: -0.035 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 50.645 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 50.645 ms
Loss rate: 0.39%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-27 05:07:01

End at: 2018-07-27 05:07:32

Local clock offset: -0.362 ms

Remote clock offset: 0.042 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 50.494 ms

Loss rate: 0.38%

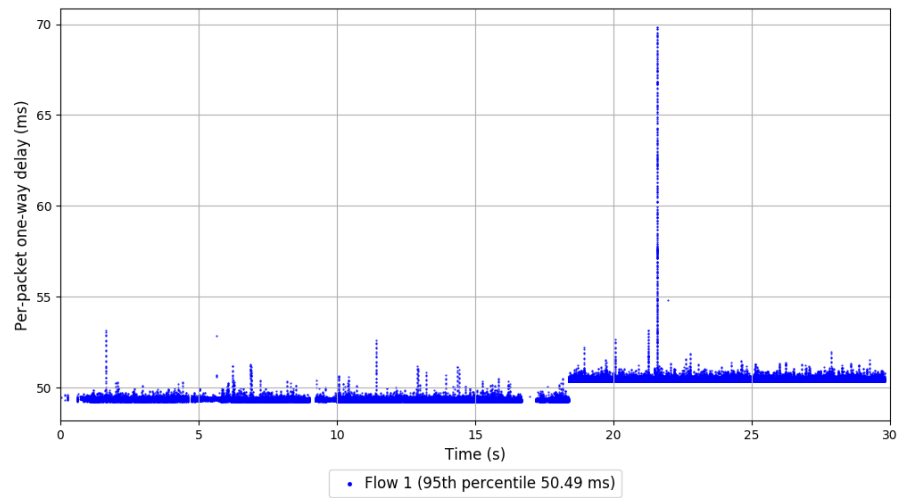
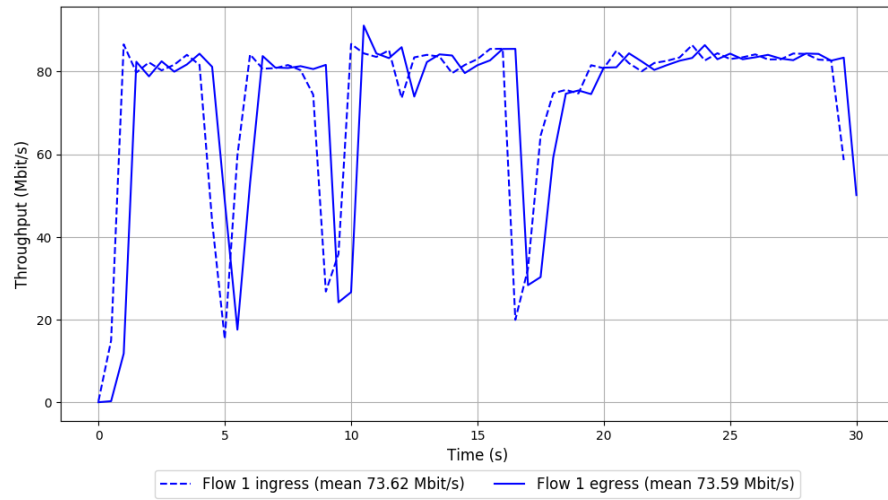
-- Flow 1:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 50.494 ms

Loss rate: 0.38%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-27 05:28:40

End at: 2018-07-27 05:29:10

Local clock offset: -0.011 ms

Remote clock offset: 0.113 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.55 Mbit/s

95th percentile per-packet one-way delay: 48.856 ms

Loss rate: 0.38%

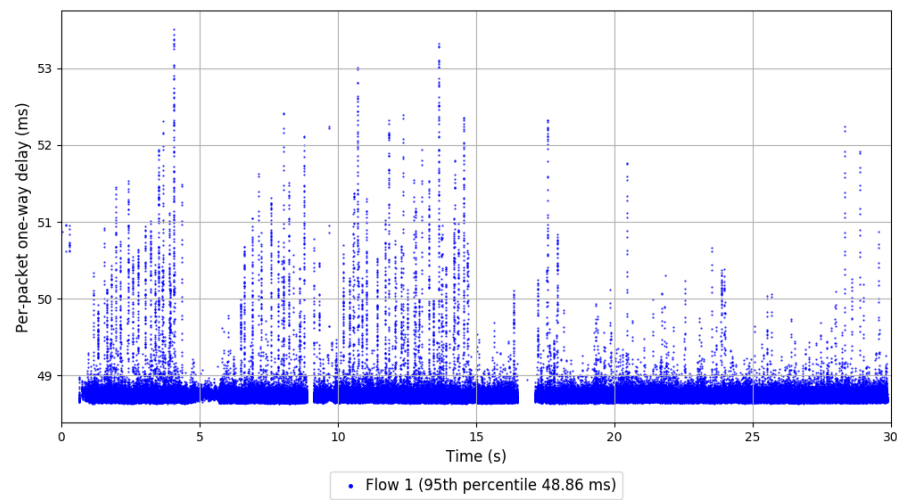
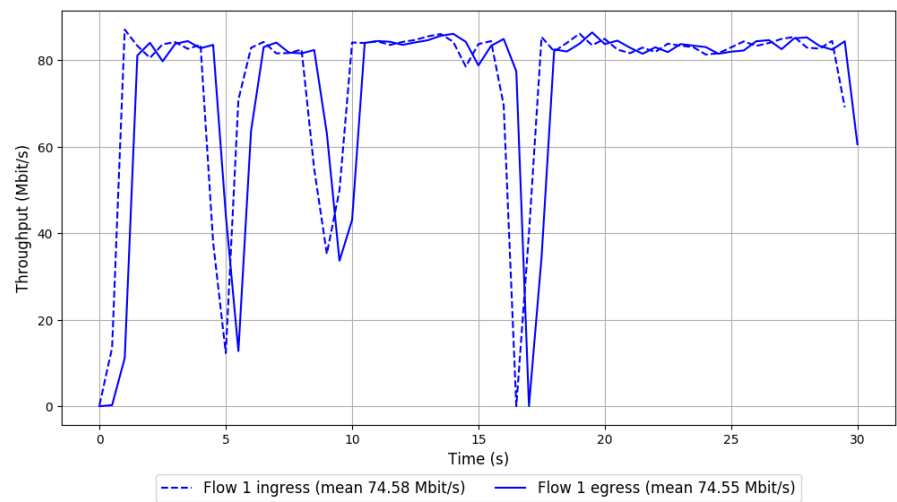
-- Flow 1:

Average throughput: 74.55 Mbit/s

95th percentile per-packet one-way delay: 48.856 ms

Loss rate: 0.38%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-27 05:50:21

End at: 2018-07-27 05:50:51

Local clock offset: 0.34 ms

Remote clock offset: 0.077 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 51.091 ms

Loss rate: 0.38%

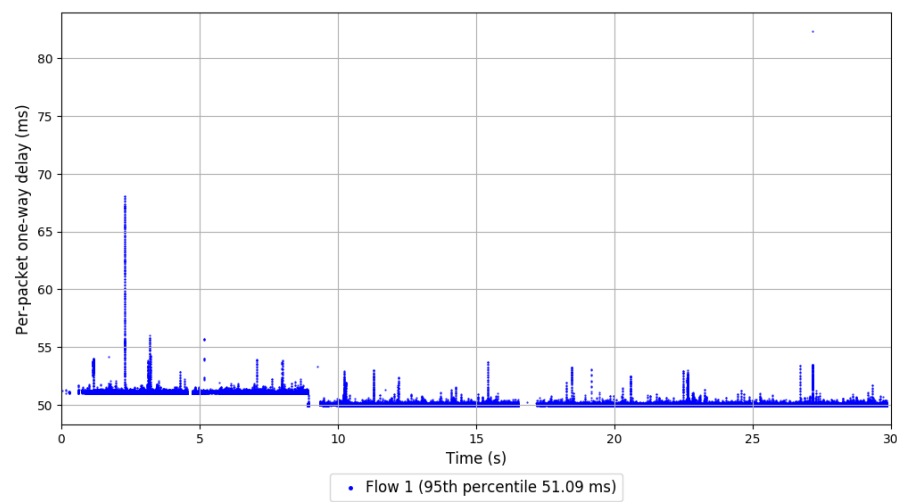
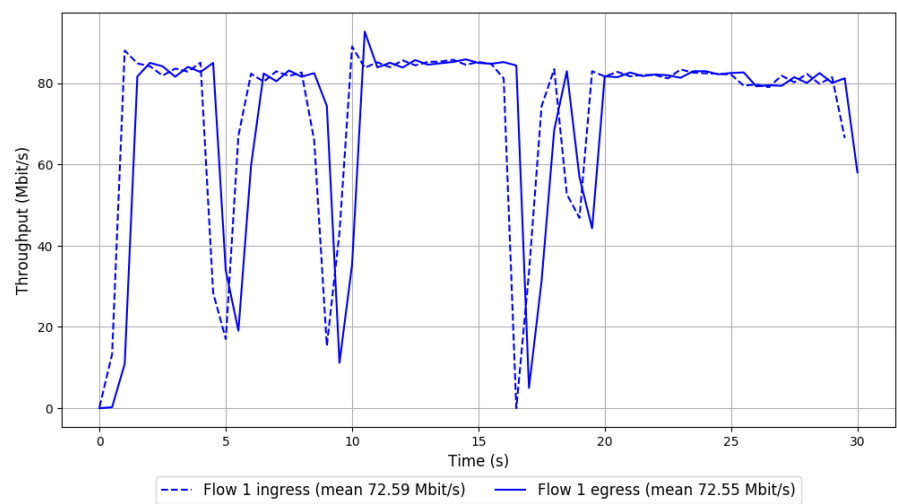
-- Flow 1:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 51.091 ms

Loss rate: 0.38%

Run 10: Report of QUIC Cubic — Data Link

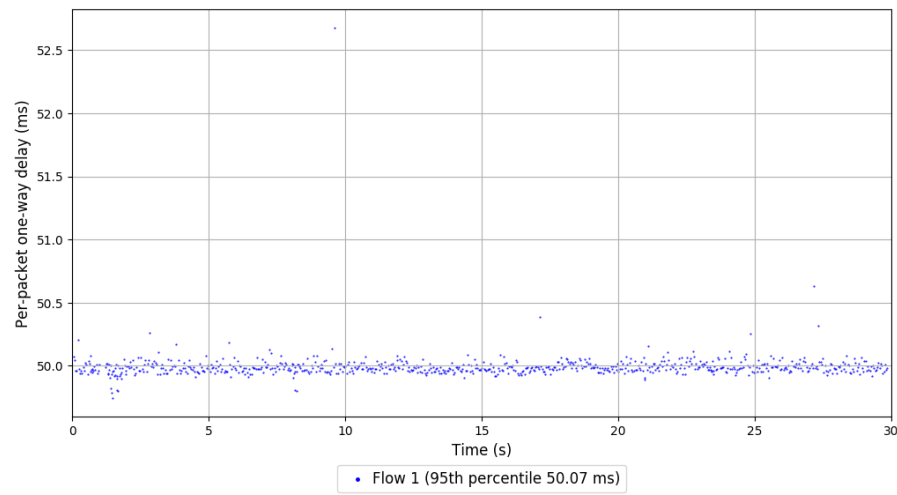
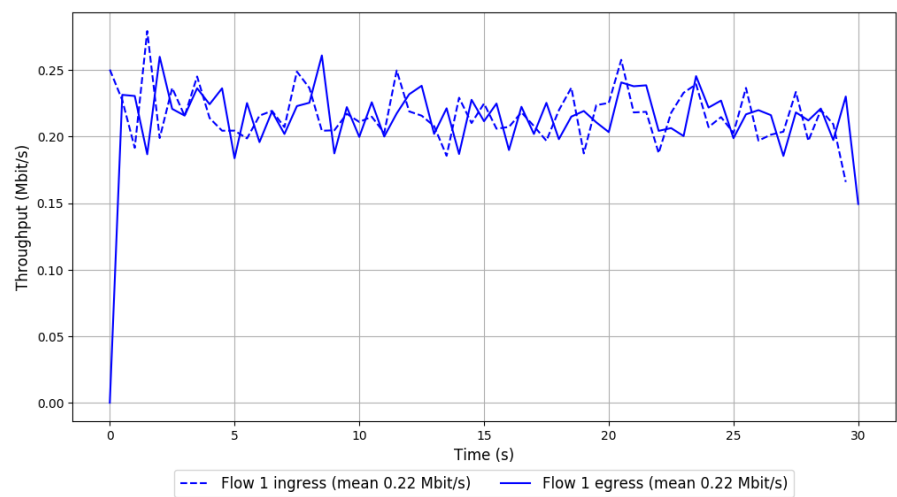


Run 1: Statistics of SCReAM

Start at: 2018-07-27 02:32:33
End at: 2018-07-27 02:33:03
Local clock offset: -0.082 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.066 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.066 ms
Loss rate: 0.25%

Run 1: Report of SCReAM — Data Link

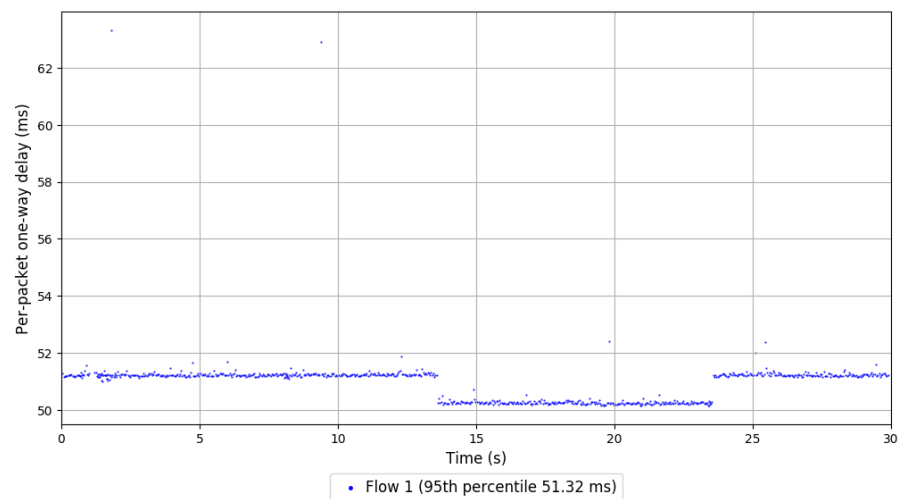
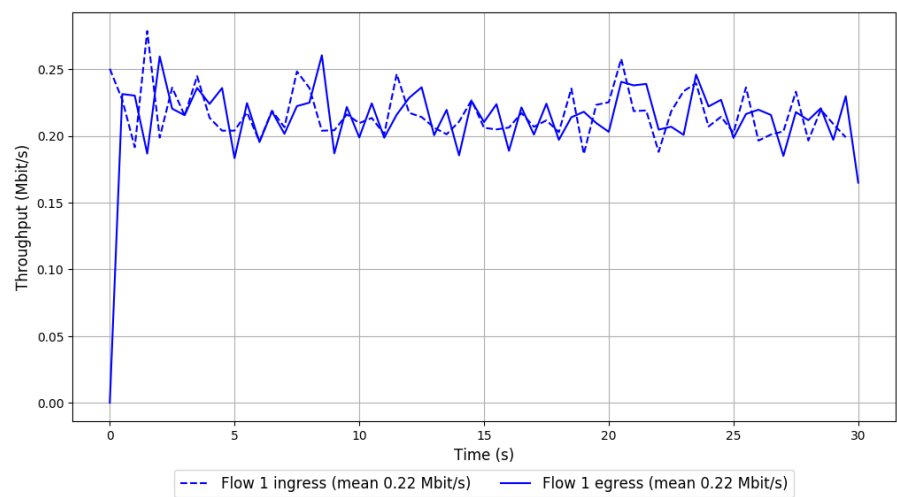


Run 2: Statistics of SCReAM

Start at: 2018-07-27 02:53:56
End at: 2018-07-27 02:54:26
Local clock offset: 0.338 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.320 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.320 ms
Loss rate: 0.39%

Run 2: Report of SReAM — Data Link

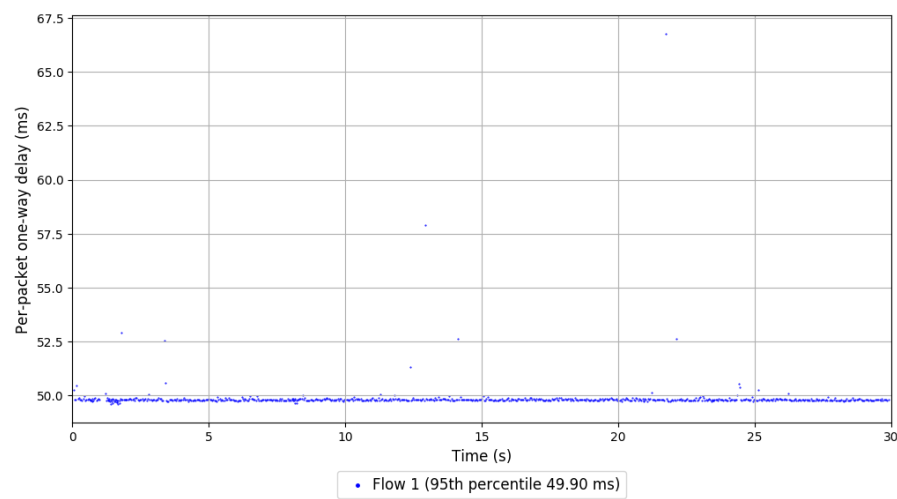
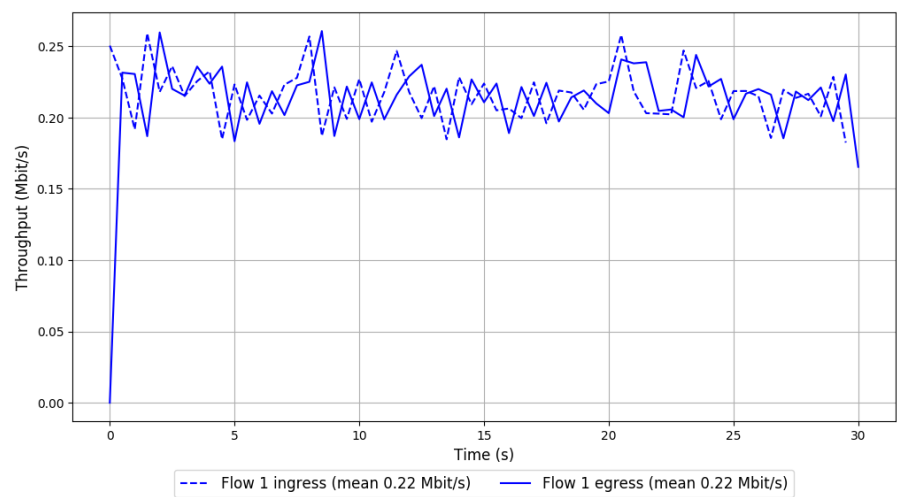


Run 3: Statistics of SCReAM

Start at: 2018-07-27 03:16:00
End at: 2018-07-27 03:16:30
Local clock offset: -0.118 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.903 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.903 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-27 03:37:41

End at: 2018-07-27 03:38:11

Local clock offset: -0.179 ms

Remote clock offset: 0.009 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.925 ms

Loss rate: 0.26%

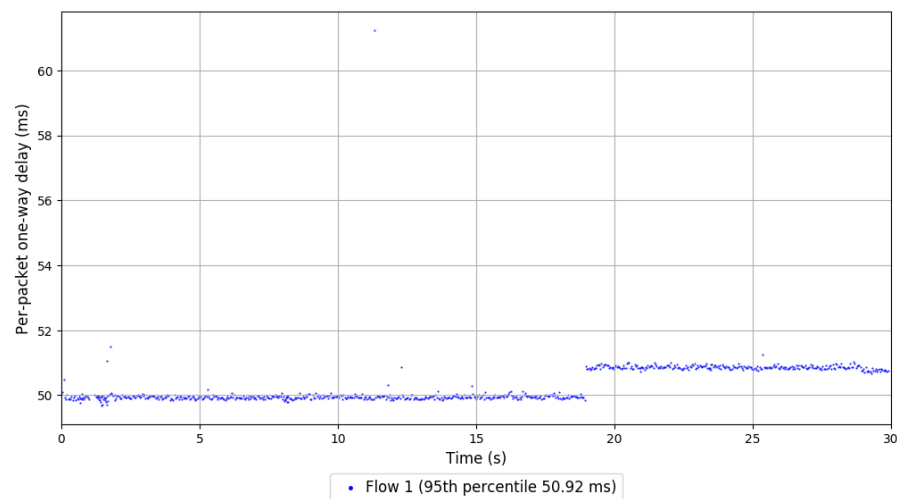
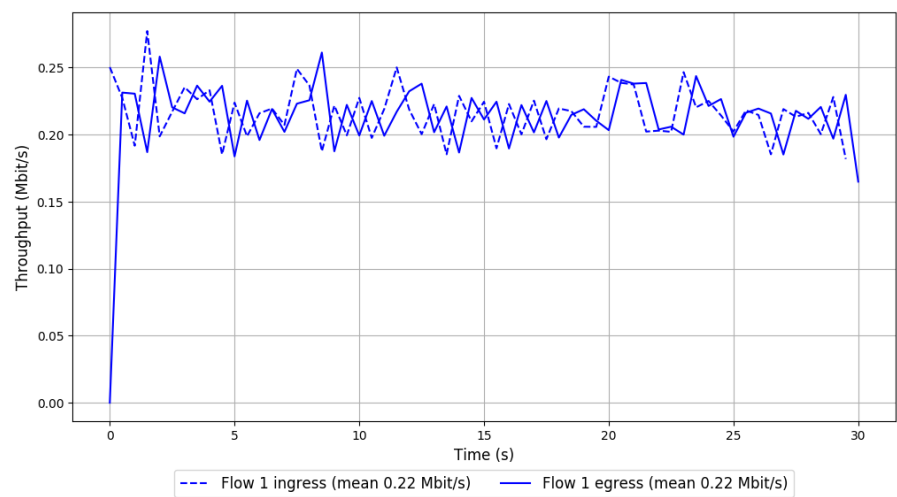
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.925 ms

Loss rate: 0.26%

Run 4: Report of SReAM — Data Link

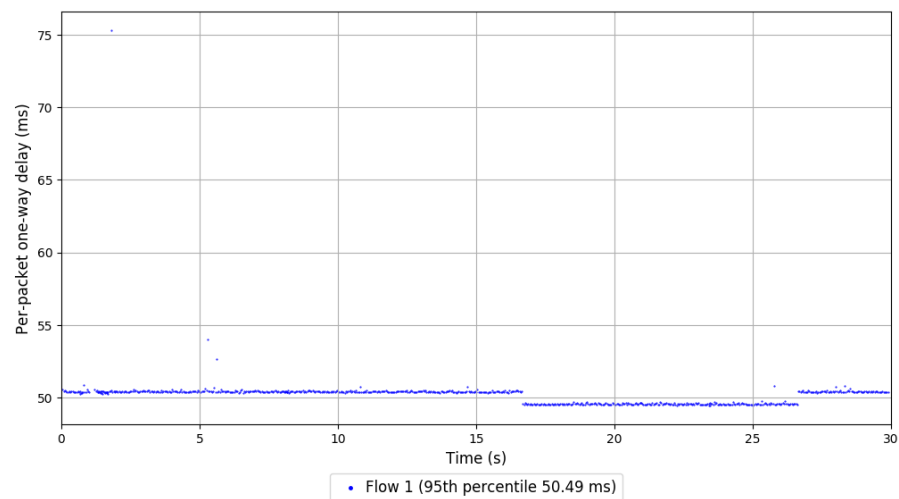
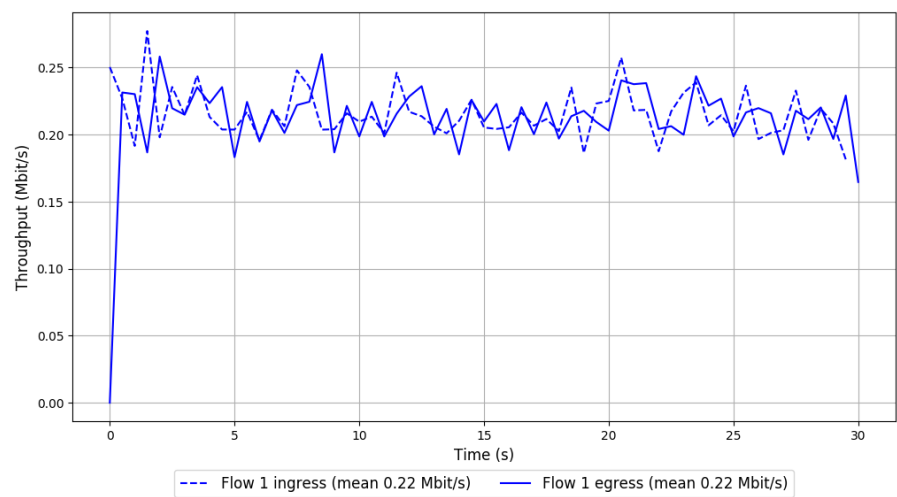


Run 5: Statistics of SCReAM

Start at: 2018-07-27 03:59:23
End at: 2018-07-27 03:59:53
Local clock offset: -0.45 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.486 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.486 ms
Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-27 04:21:07

End at: 2018-07-27 04:21:37

Local clock offset: -0.408 ms

Remote clock offset: -0.04 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.119 ms

Loss rate: 0.26%

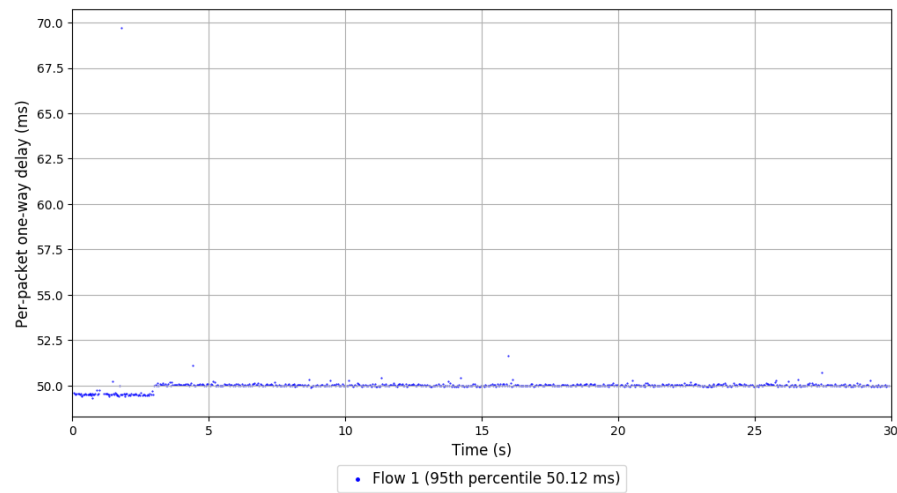
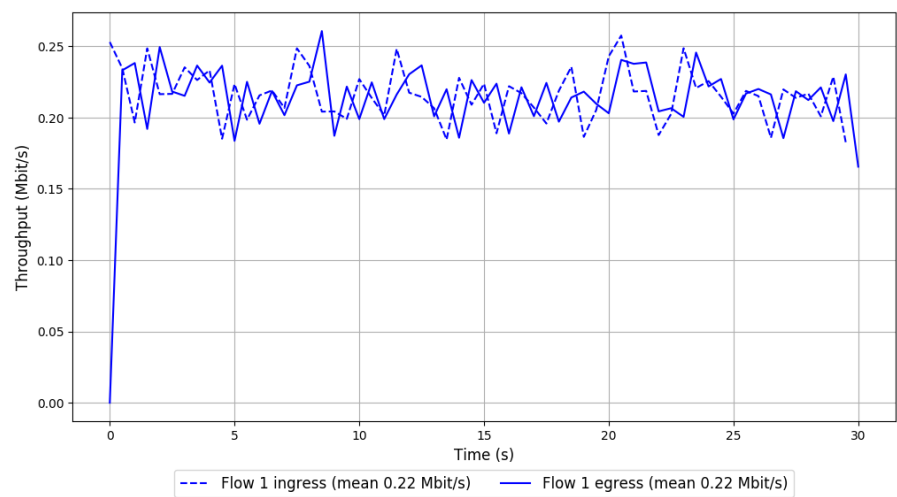
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.119 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link

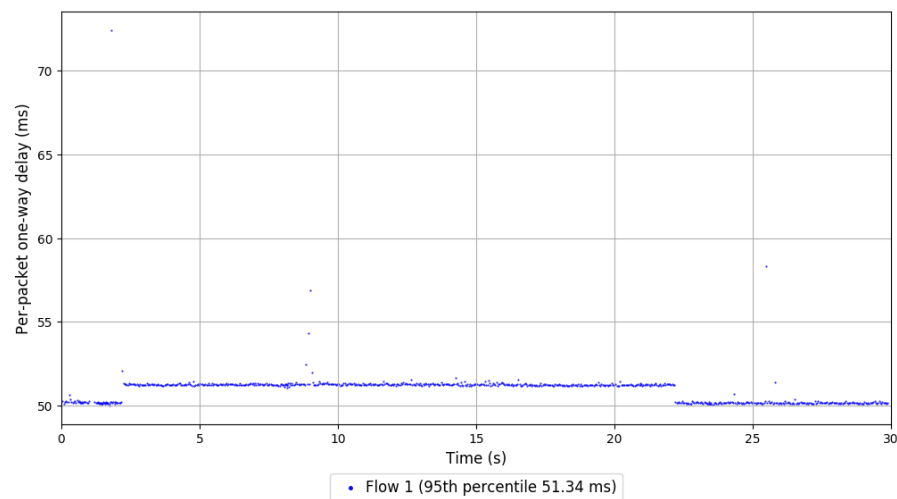
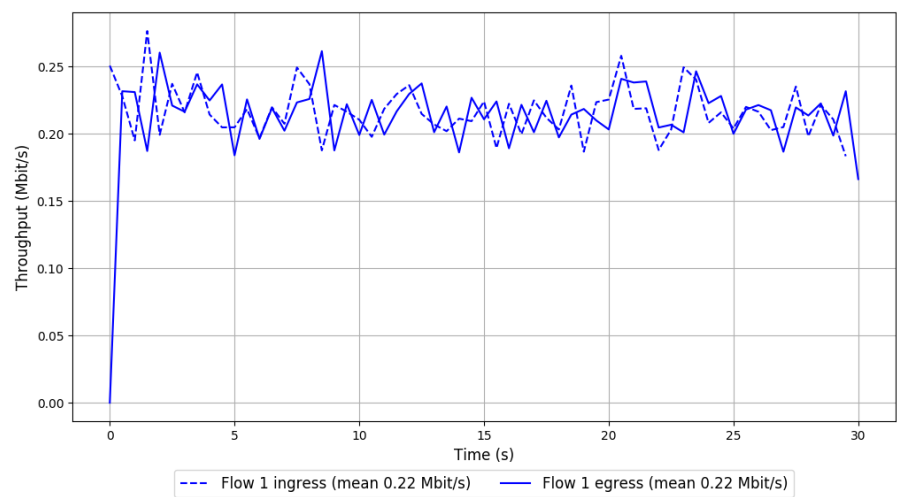


Run 7: Statistics of SCReAM

Start at: 2018-07-27 04:42:58
End at: 2018-07-27 04:43:28
Local clock offset: 0.309 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.26%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-27 05:04:49

End at: 2018-07-27 05:05:19

Local clock offset: 0.007 ms

Remote clock offset: 0.045 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.003 ms

Loss rate: 0.38%

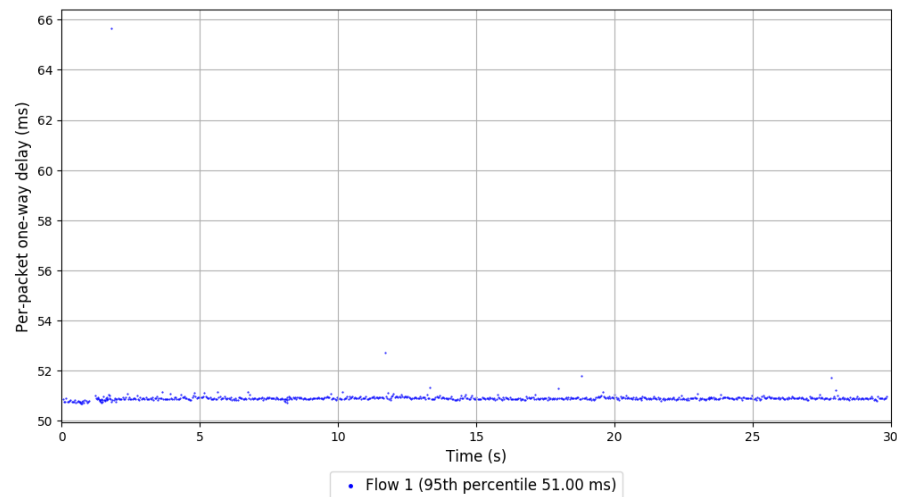
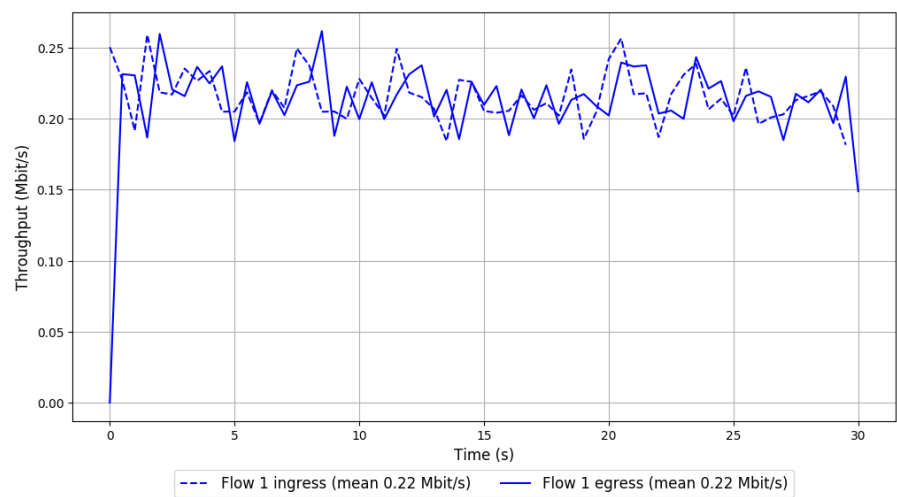
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.003 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-27 05:26:27

End at: 2018-07-27 05:26:57

Local clock offset: 0.36 ms

Remote clock offset: 0.105 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.389 ms

Loss rate: 0.39%

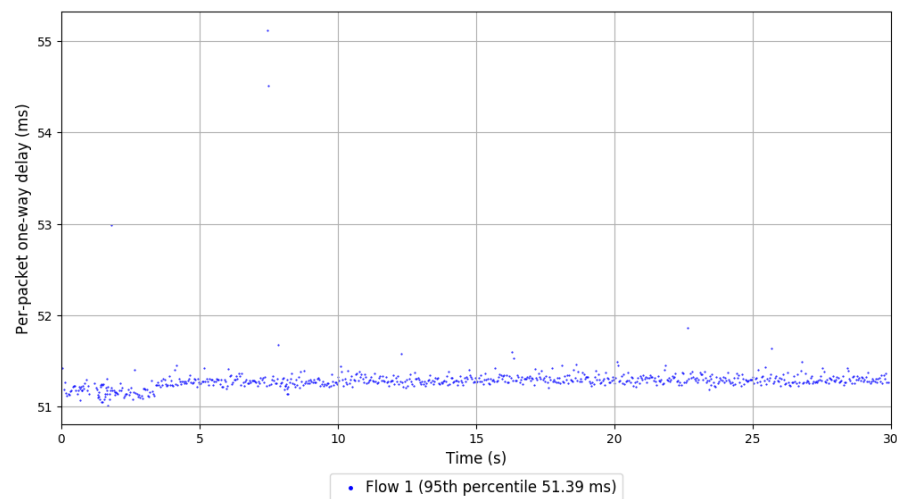
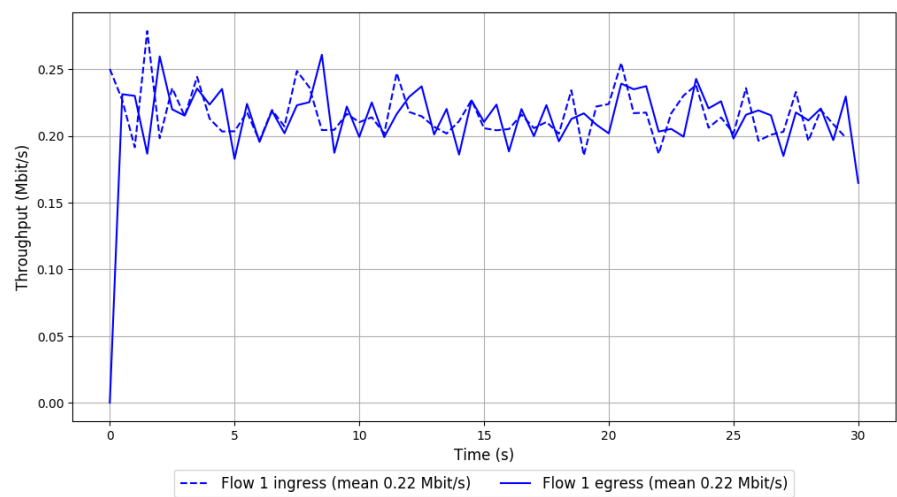
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.389 ms

Loss rate: 0.39%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-27 05:48:09

End at: 2018-07-27 05:48:39

Local clock offset: -0.005 ms

Remote clock offset: 0.048 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.007 ms

Loss rate: 0.39%

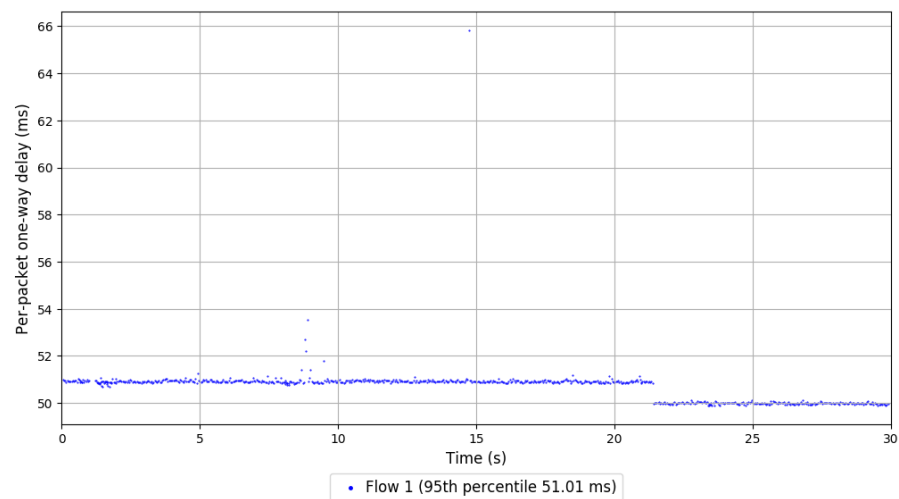
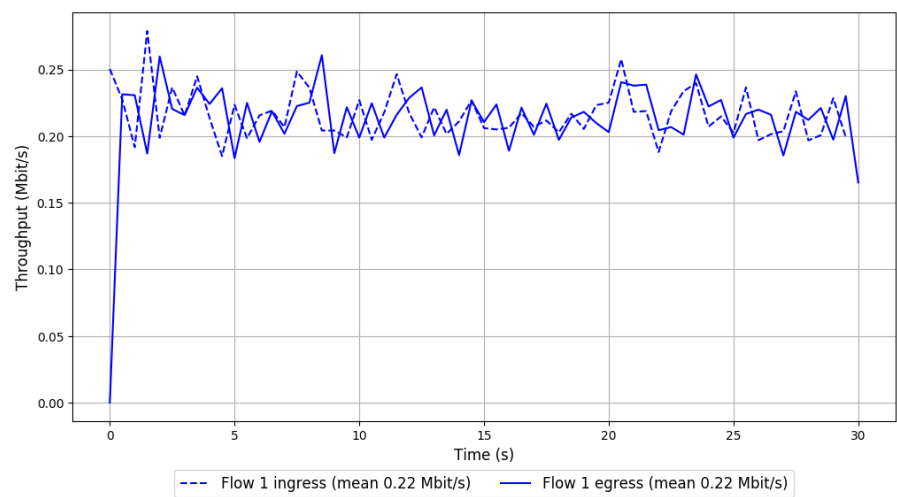
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.007 ms

Loss rate: 0.39%

Run 10: Report of SReAM — Data Link

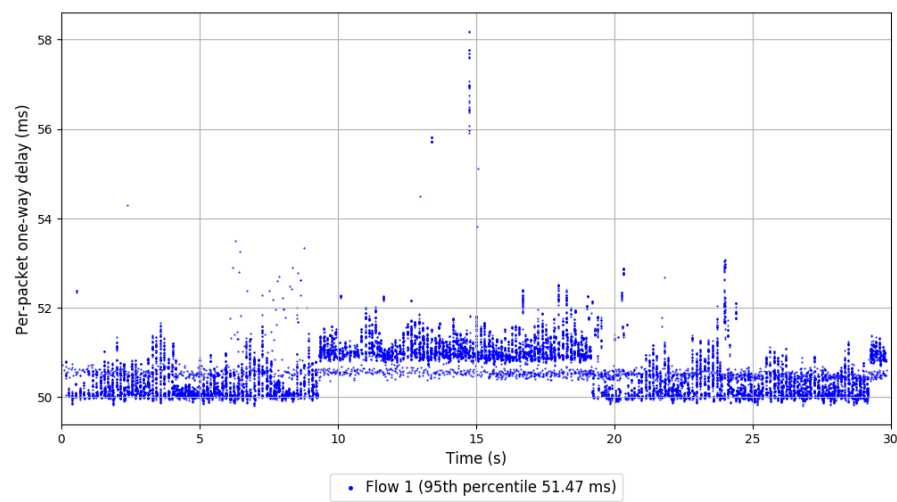
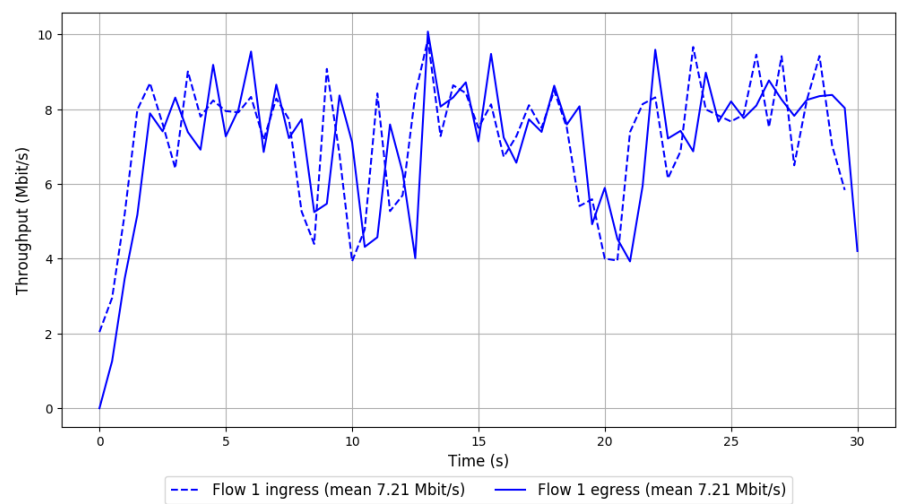


Run 1: Statistics of Sprout

Start at: 2018-07-27 02:23:21
End at: 2018-07-27 02:23:51
Local clock offset: -0.097 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-27 07:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.39%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-27 02:45:06

End at: 2018-07-27 02:45:36

Local clock offset: 0.31 ms

Remote clock offset: -0.08 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 52.030 ms

Loss rate: 0.75%

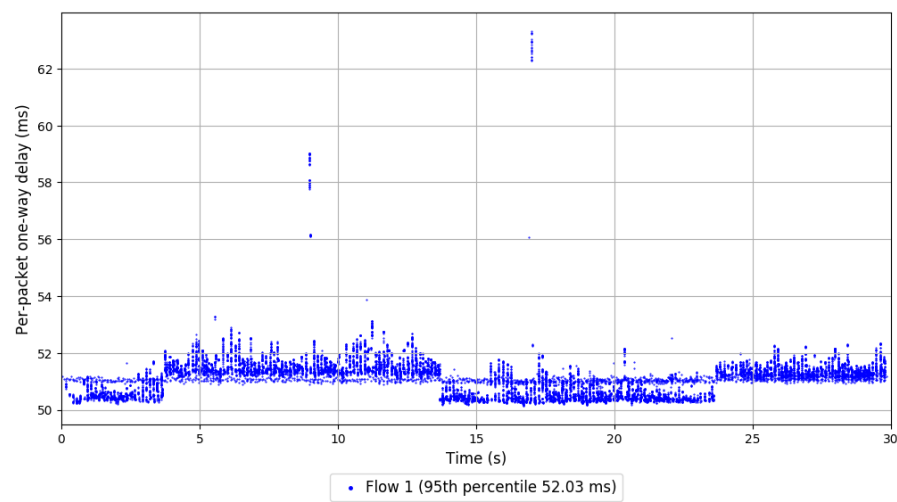
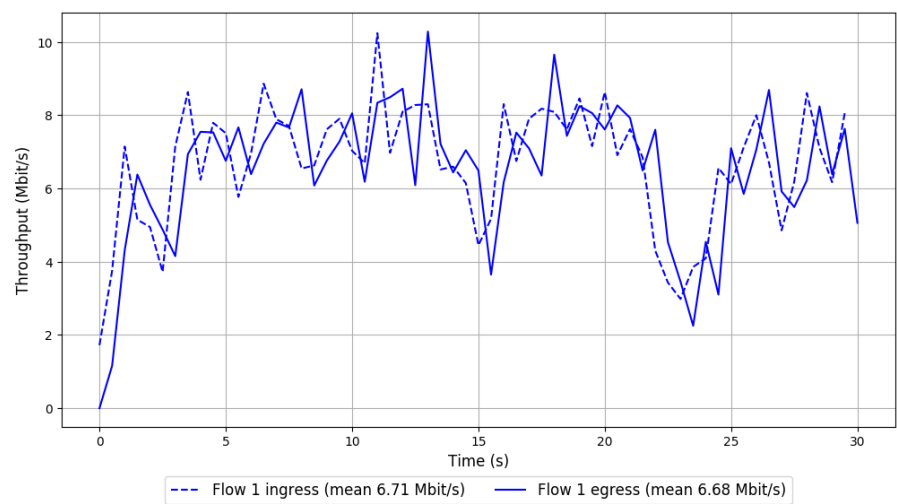
-- Flow 1:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 52.030 ms

Loss rate: 0.75%

Run 2: Report of Sprout — Data Link

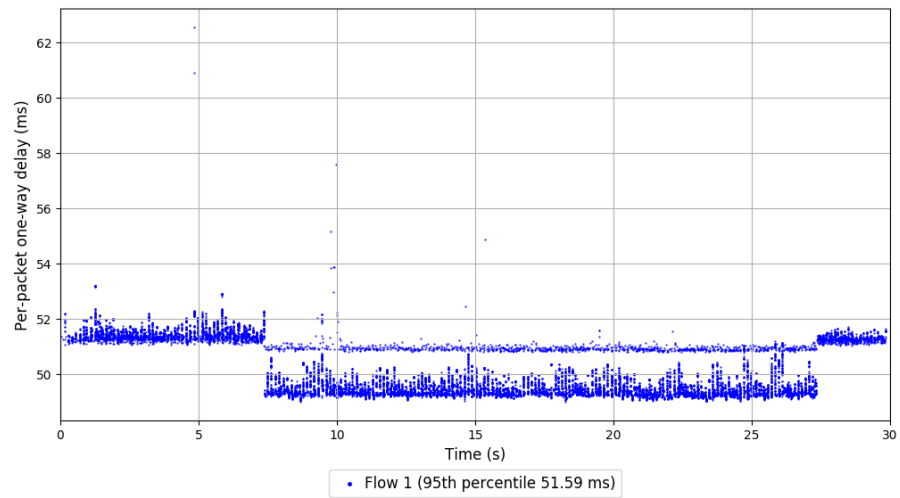
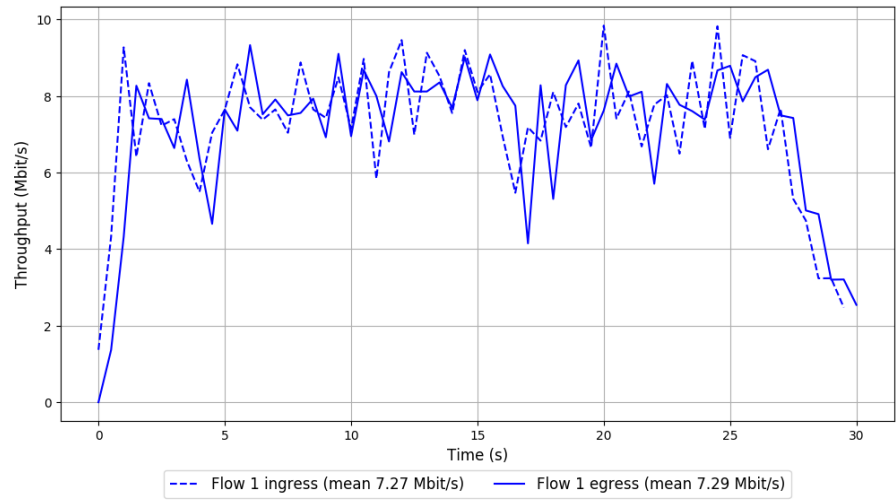


Run 3: Statistics of Sprout

Start at: 2018-07-27 03:06:53
End at: 2018-07-27 03:07:23
Local clock offset: 0.324 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-27 07:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 51.590 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 51.590 ms
Loss rate: 0.09%

Run 3: Report of Sprout — Data Link

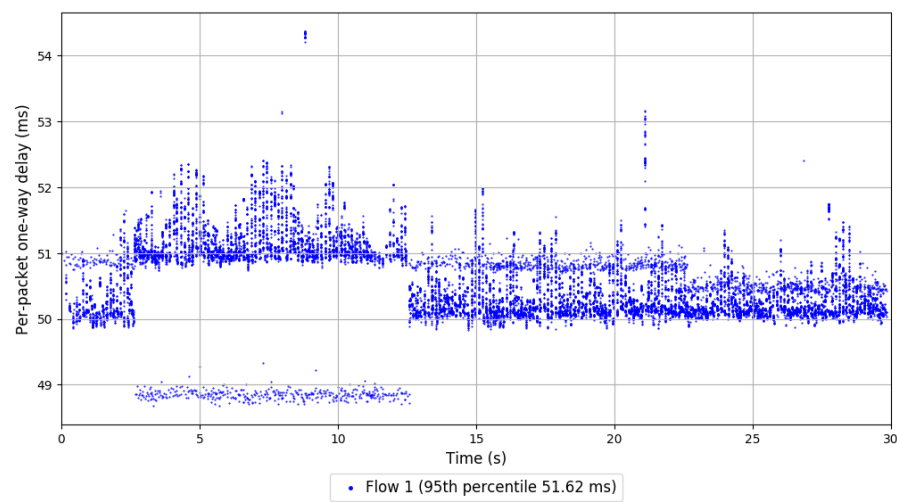
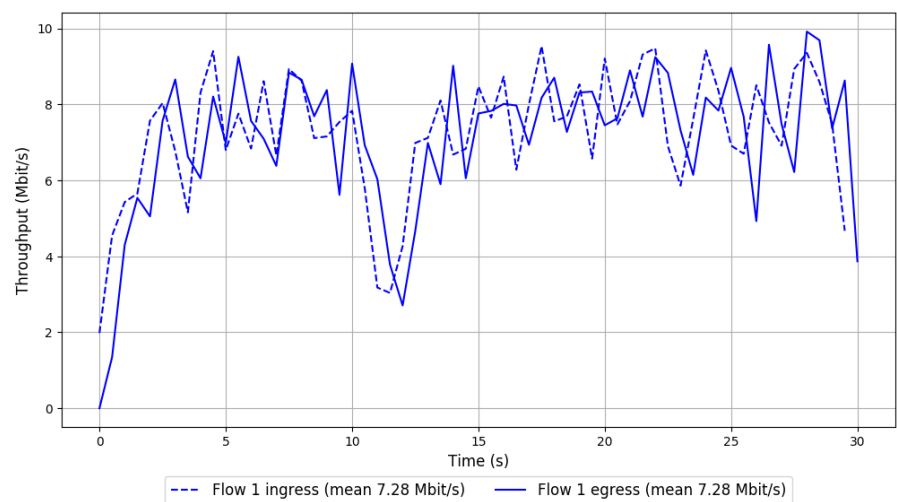


Run 4: Statistics of Sprout

Start at: 2018-07-27 03:28:37
End at: 2018-07-27 03:29:07
Local clock offset: -0.117 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-27 07:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 51.620 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 51.620 ms
Loss rate: 0.28%

Run 4: Report of Sprout — Data Link

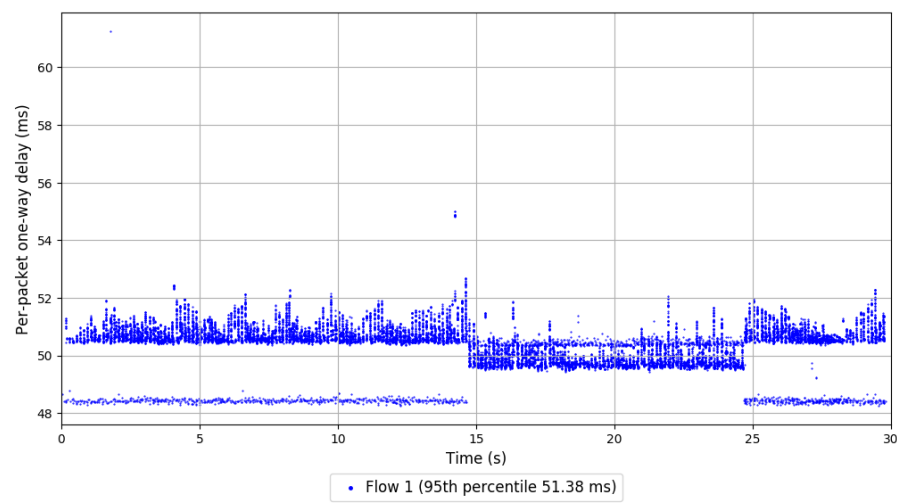
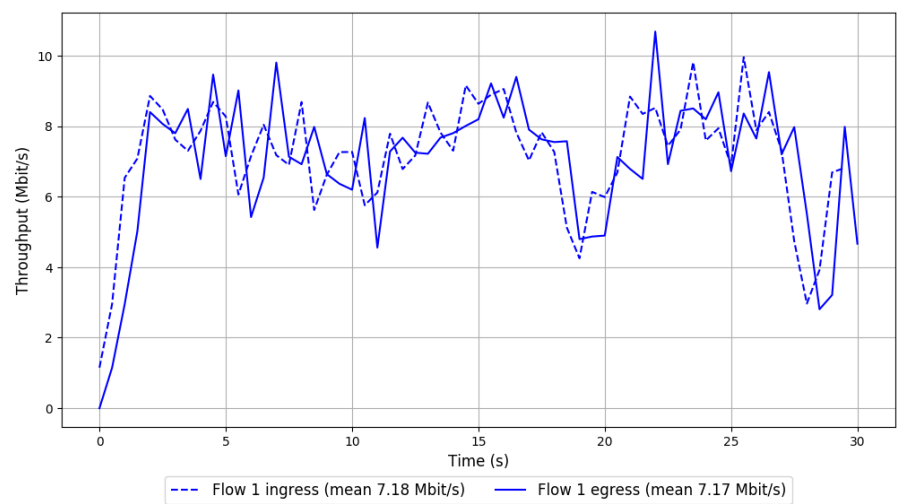


Run 5: Statistics of Sprout

Start at: 2018-07-27 03:50:25
End at: 2018-07-27 03:50:55
Local clock offset: -0.492 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-27 07:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 51.381 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 51.381 ms
Loss rate: 0.50%

Run 5: Report of Sprout — Data Link

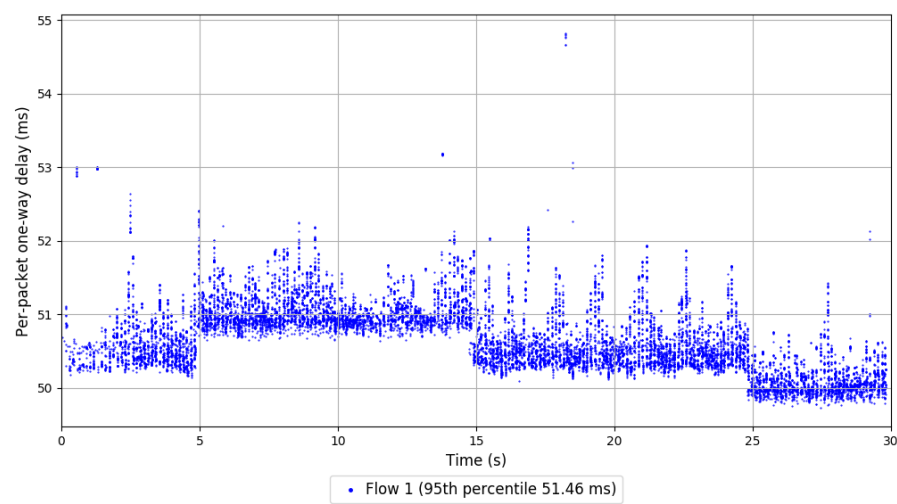
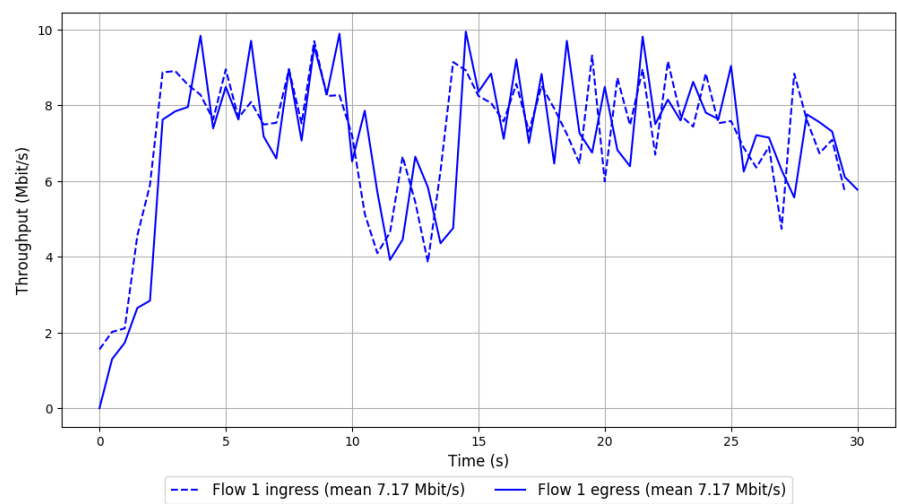


Run 6: Statistics of Sprout

Start at: 2018-07-27 04:12:05
End at: 2018-07-27 04:12:35
Local clock offset: -0.096 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-27 07:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 51.463 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 51.463 ms
Loss rate: 0.35%

Run 6: Report of Sprout — Data Link

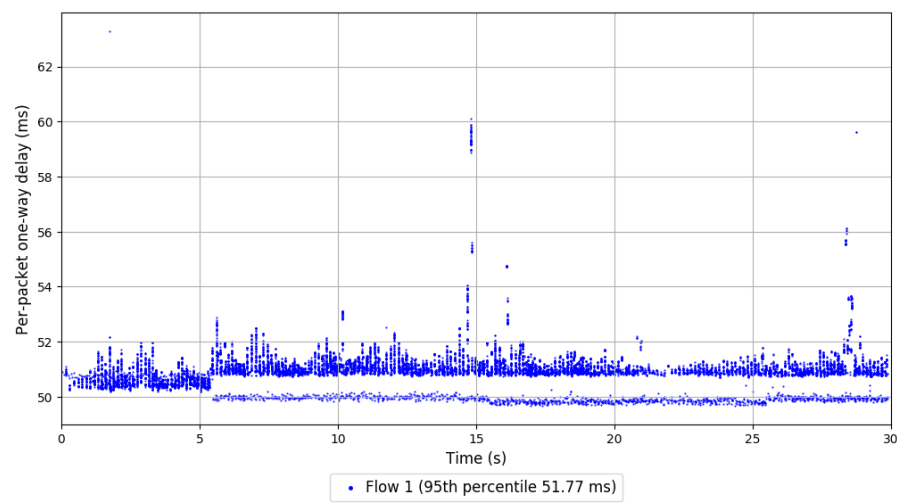
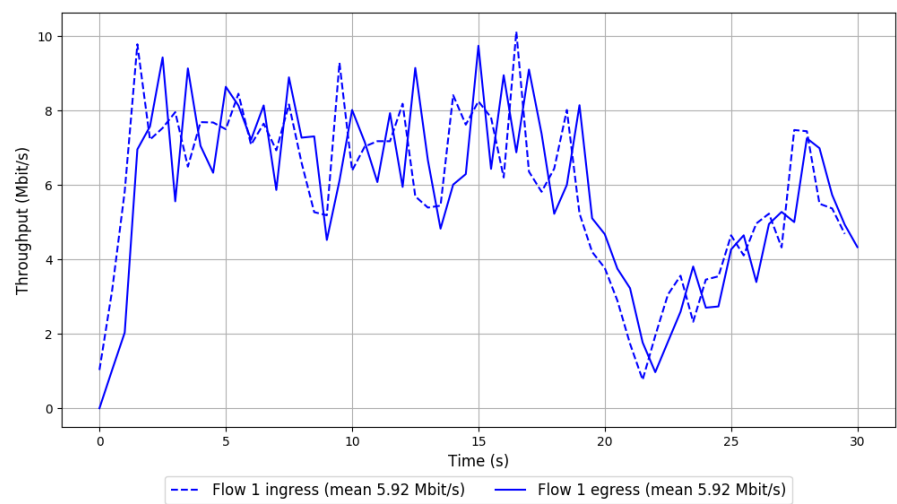


Run 7: Statistics of Sprout

Start at: 2018-07-27 04:33:55
End at: 2018-07-27 04:34:25
Local clock offset: -0.044 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-27 07:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.35%

Run 7: Report of Sprout — Data Link

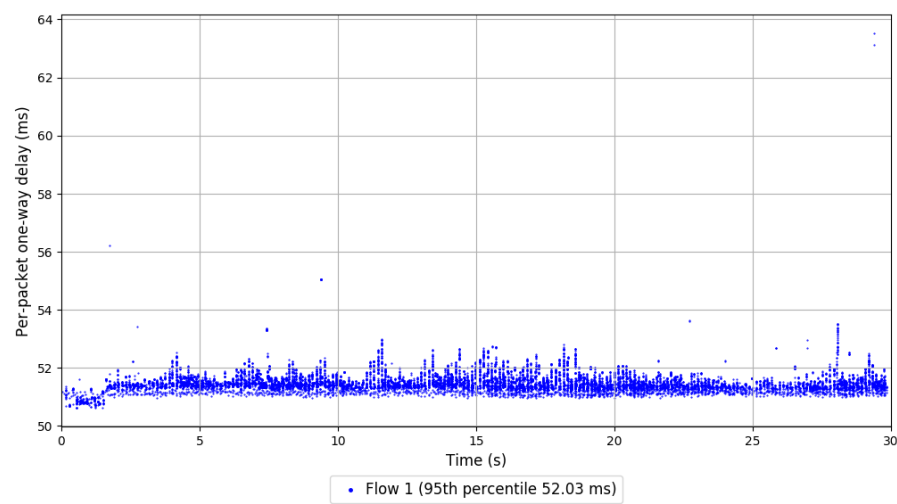
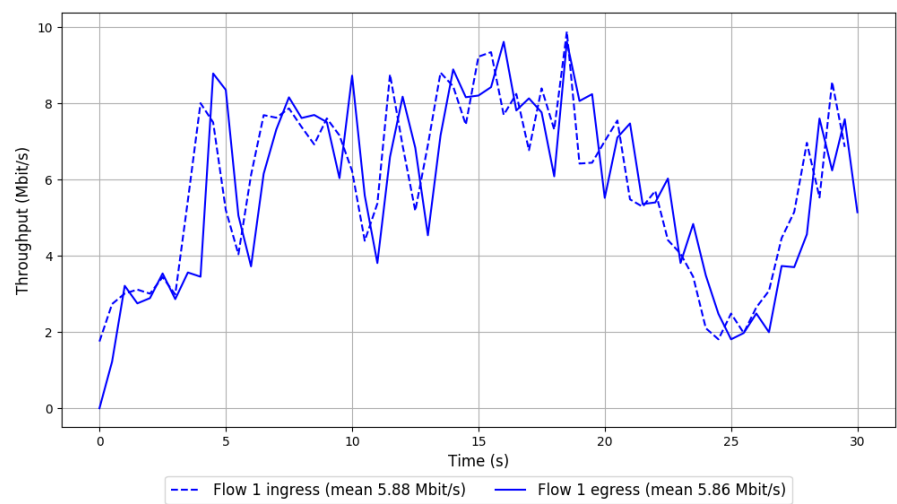


Run 8: Statistics of Sprout

Start at: 2018-07-27 04:55:38
End at: 2018-07-27 04:56:08
Local clock offset: 0.338 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-27 07:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 52.033 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 52.033 ms
Loss rate: 0.77%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-27 05:17:30

End at: 2018-07-27 05:18:00

Local clock offset: 0.313 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-27 07:12:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 51.763 ms

Loss rate: 0.54%

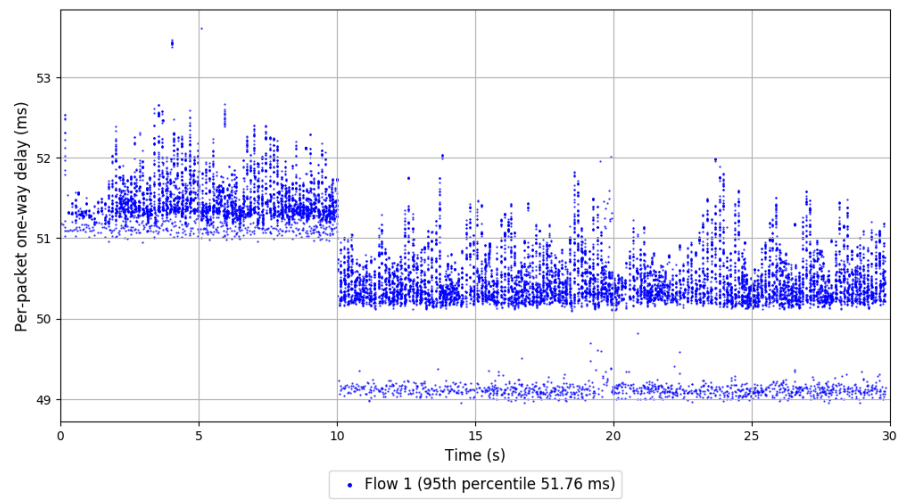
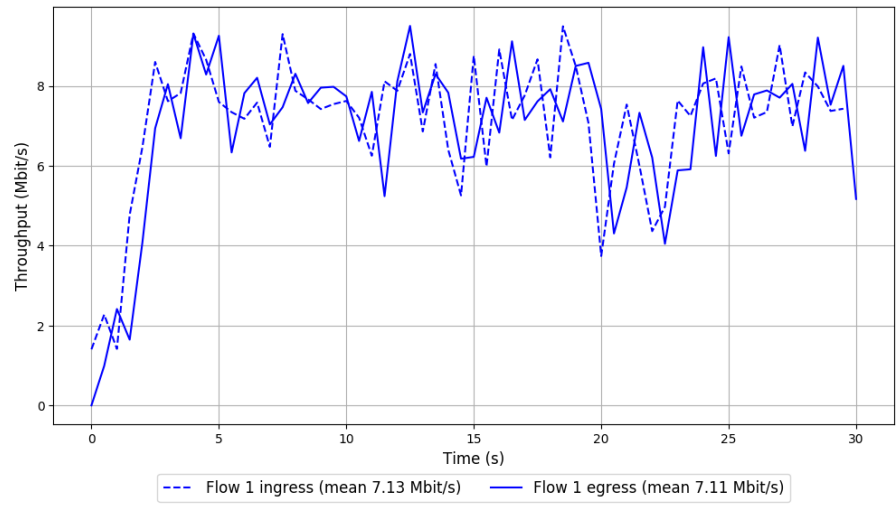
-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 51.763 ms

Loss rate: 0.54%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-27 05:39:10

End at: 2018-07-27 05:39:40

Local clock offset: -0.052 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-27 07:12:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 51.938 ms

Loss rate: 0.22%

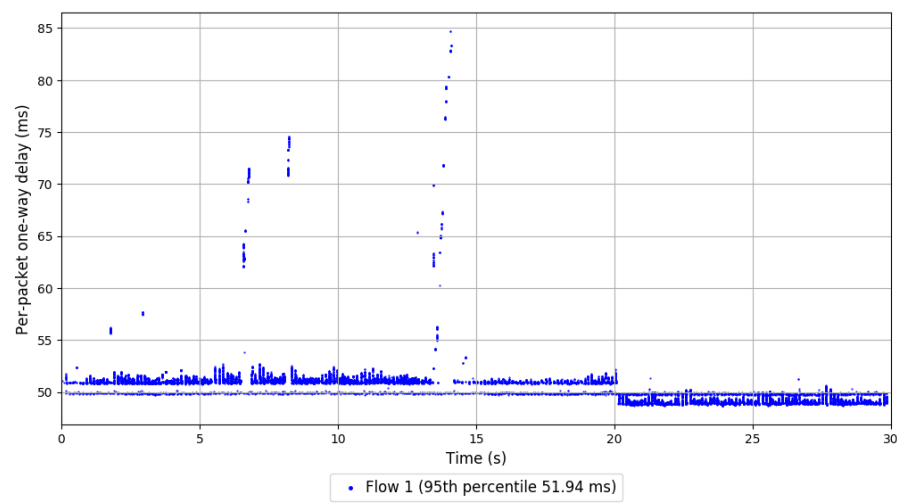
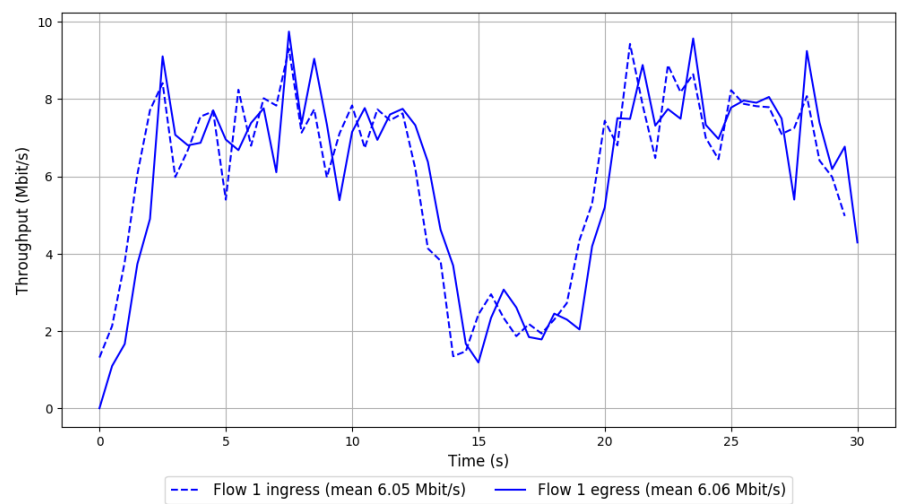
-- Flow 1:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 51.938 ms

Loss rate: 0.22%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-27 02:21:54

End at: 2018-07-27 02:22:24

Local clock offset: -0.048 ms

Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-27 07:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.87 Mbit/s

95th percentile per-packet one-way delay: 51.044 ms

Loss rate: 0.33%

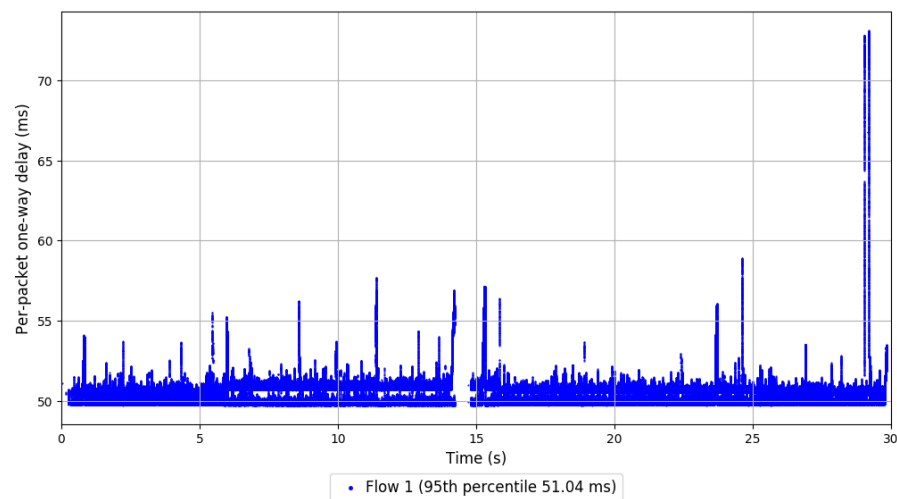
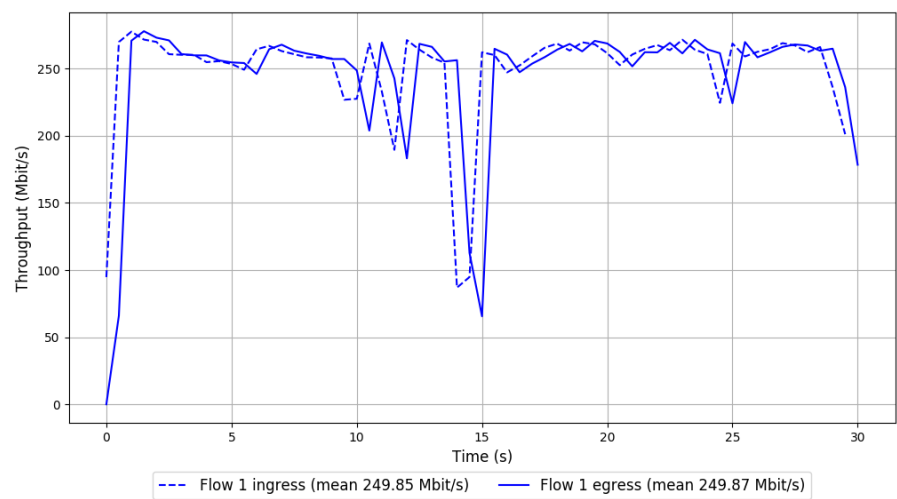
-- Flow 1:

Average throughput: 249.87 Mbit/s

95th percentile per-packet one-way delay: 51.044 ms

Loss rate: 0.33%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-27 02:43:43

End at: 2018-07-27 02:44:13

Local clock offset: -0.383 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-27 07:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.08 Mbit/s

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

Loss rate: 0.16%

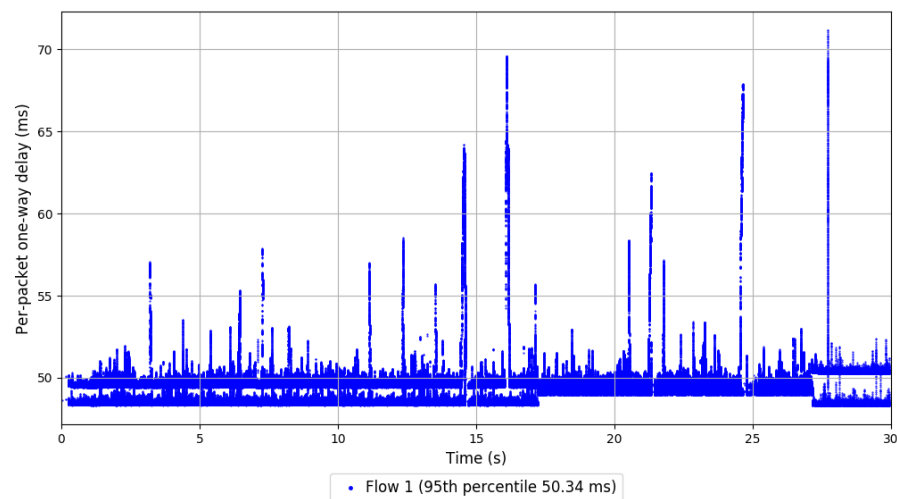
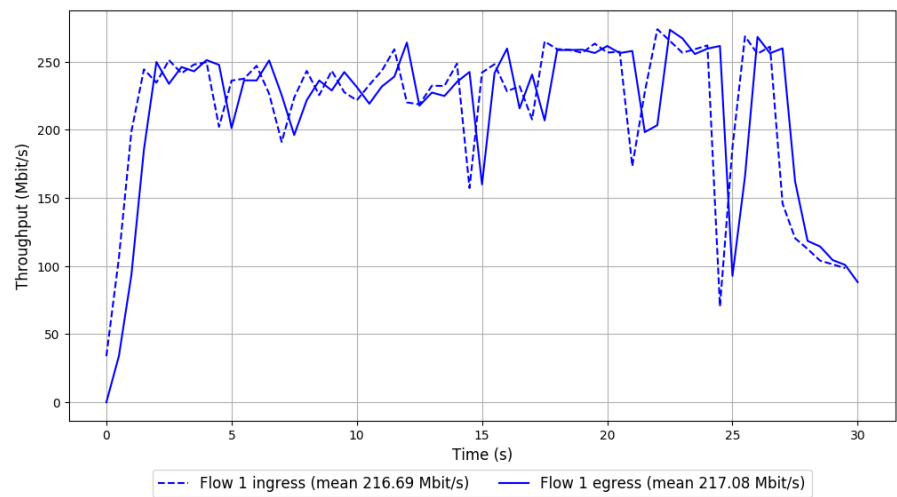
-- Flow 1:

Average throughput: 217.08 Mbit/s

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

Loss rate: 0.16%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-27 03:05:31

End at: 2018-07-27 03:06:01

Local clock offset: 0.351 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-27 07:19:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.44 Mbit/s

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

Loss rate: 0.00%

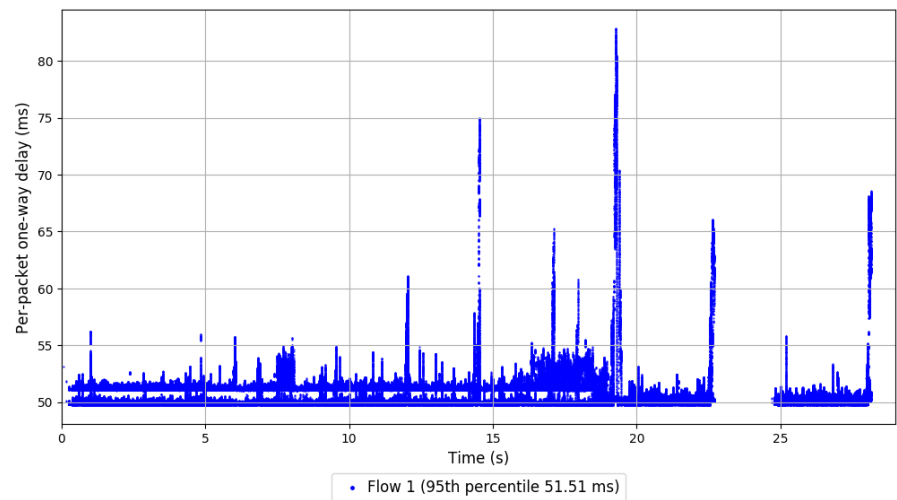
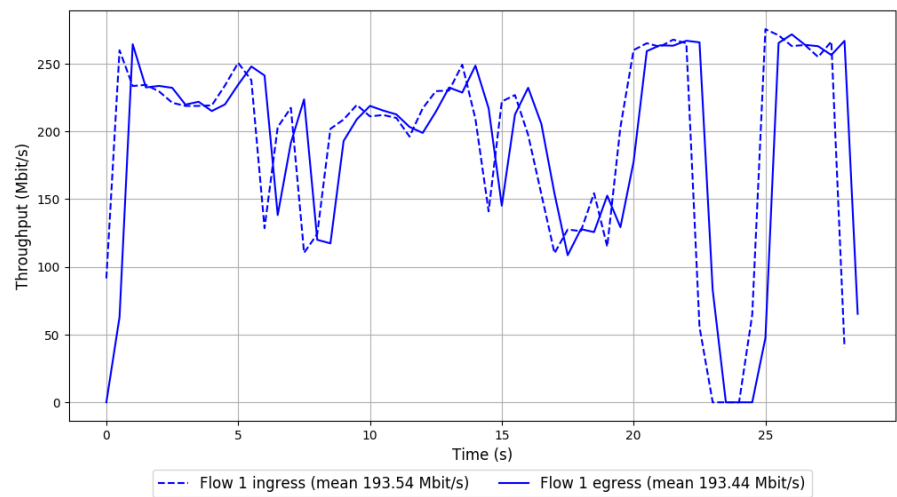
-- Flow 1:

Average throughput: 193.44 Mbit/s

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

Loss rate: 0.00%

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

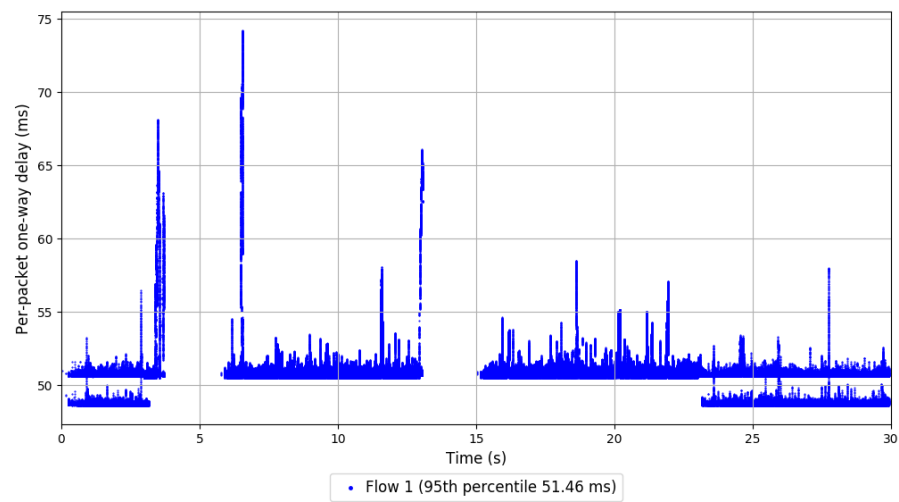
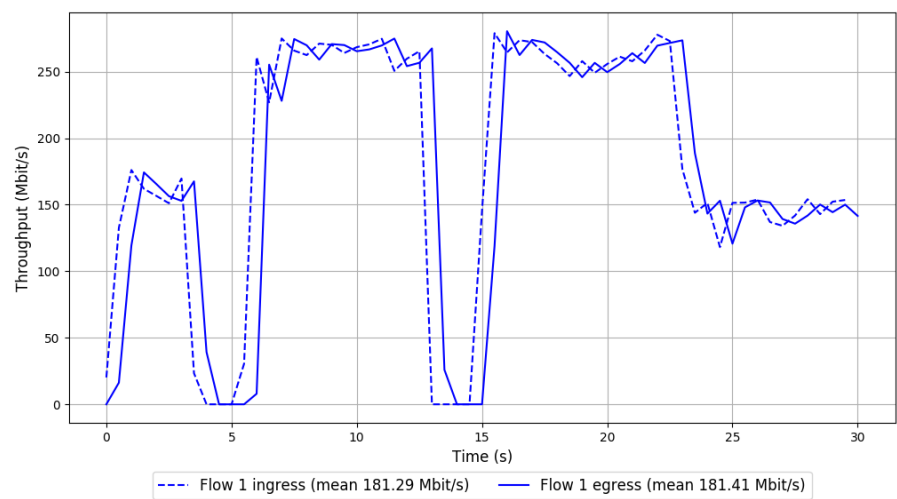


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-27 03:27:17
End at: 2018-07-27 03:27:47
Local clock offset: -0.139 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-27 07:19:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.41 Mbit/s
95th percentile per-packet one-way delay: 51.456 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 181.41 Mbit/s
95th percentile per-packet one-way delay: 51.456 ms
Loss rate: 0.27%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-27 03:48:57

End at: 2018-07-27 03:49:27

Local clock offset: -0.14 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-27 07:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.49 Mbit/s

95th percentile per-packet one-way delay: 51.223 ms

Loss rate: 0.36%

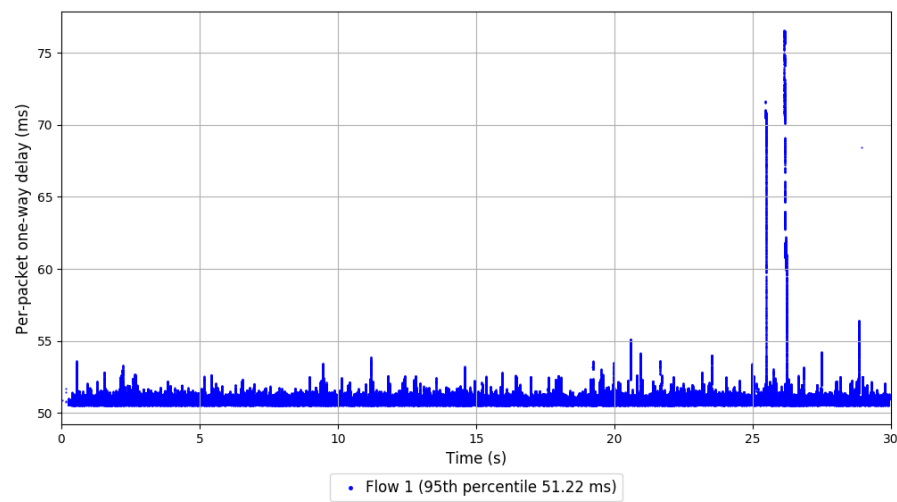
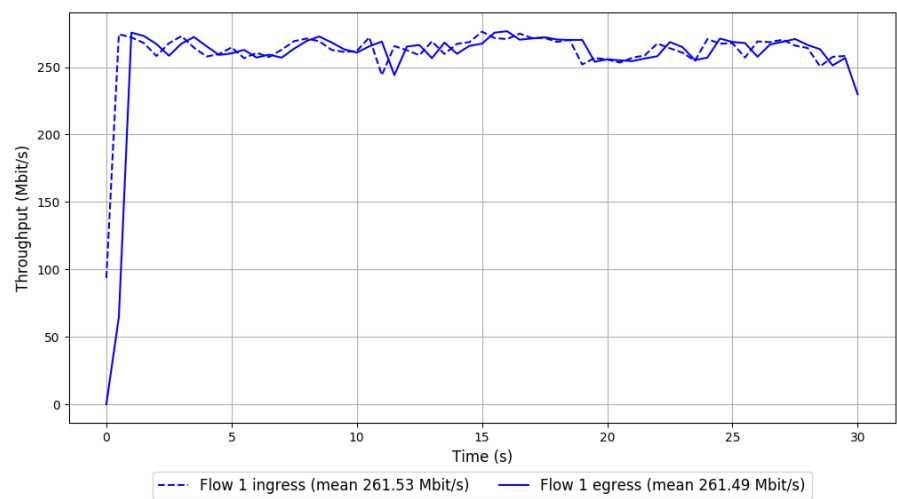
-- Flow 1:

Average throughput: 261.49 Mbit/s

95th percentile per-packet one-way delay: 51.223 ms

Loss rate: 0.36%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-27 04:10:39

End at: 2018-07-27 04:11:09

Local clock offset: 0.339 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-27 07:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.28 Mbit/s

95th percentile per-packet one-way delay: 51.654 ms

Loss rate: 0.36%

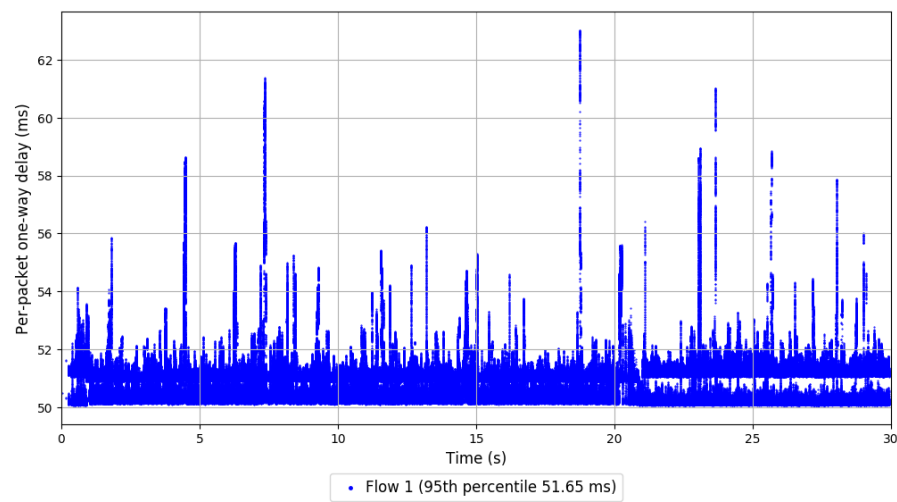
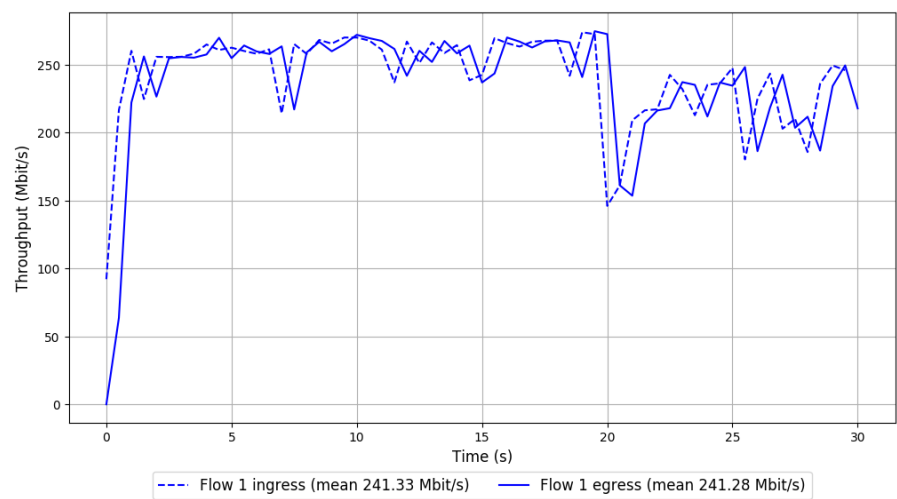
-- Flow 1:

Average throughput: 241.28 Mbit/s

95th percentile per-packet one-way delay: 51.654 ms

Loss rate: 0.36%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-27 04:32:27

End at: 2018-07-27 04:32:57

Local clock offset: -0.406 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-27 07:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.89 Mbit/s

95th percentile per-packet one-way delay: 50.686 ms

Loss rate: 0.30%

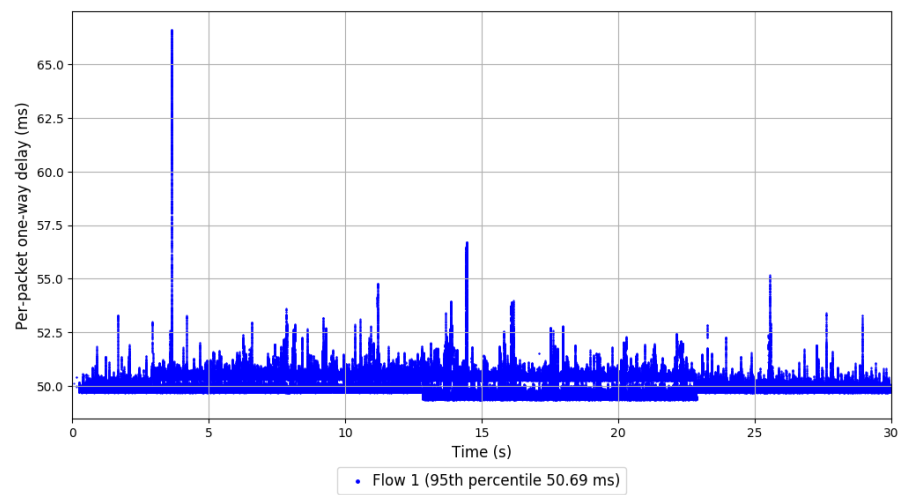
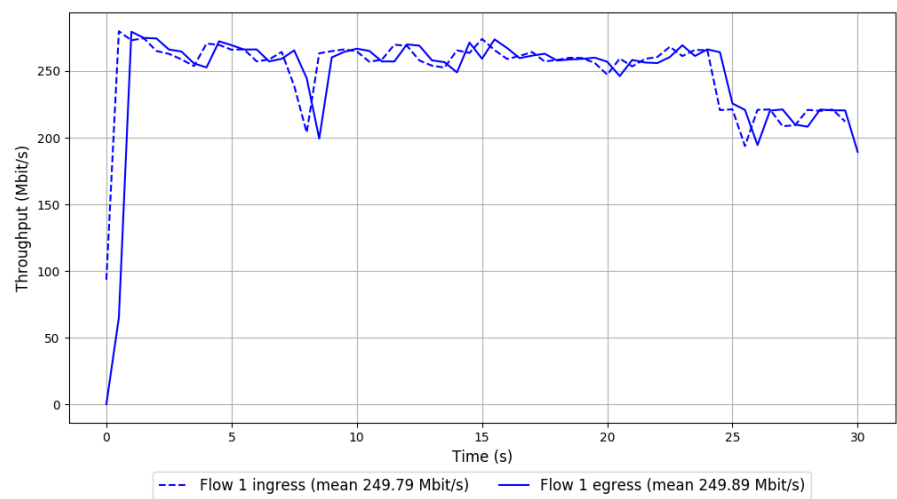
-- Flow 1:

Average throughput: 249.89 Mbit/s

95th percentile per-packet one-way delay: 50.686 ms

Loss rate: 0.30%

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

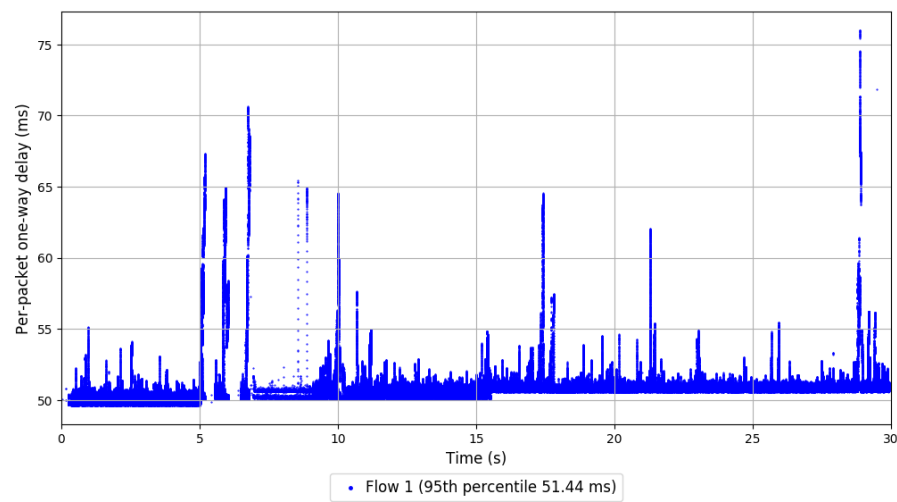
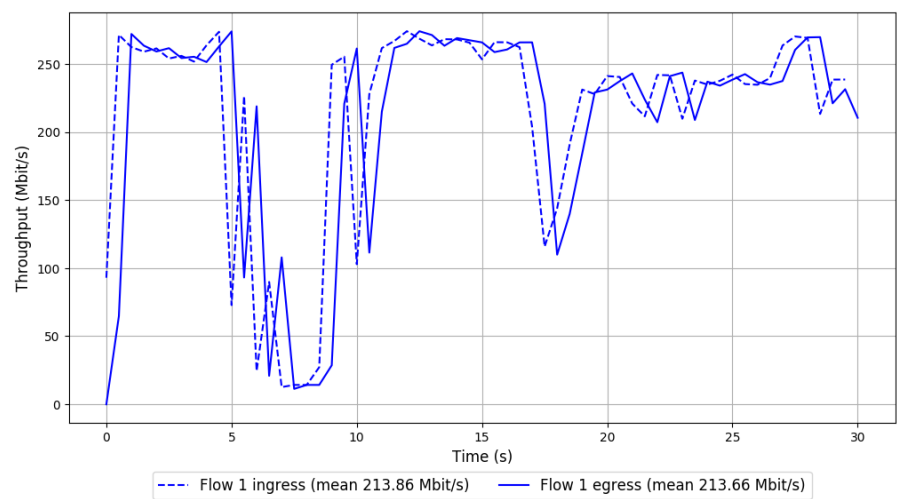


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-27 04:54:15
End at: 2018-07-27 04:54:45
Local clock offset: -0.069 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-27 07:20:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.66 Mbit/s
95th percentile per-packet one-way delay: 51.435 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 213.66 Mbit/s
95th percentile per-packet one-way delay: 51.435 ms
Loss rate: 0.43%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-27 05:16:05

End at: 2018-07-27 05:16:35

Local clock offset: 0.381 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-27 07:25:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.35 Mbit/s

95th percentile per-packet one-way delay: 51.510 ms

Loss rate: 0.40%

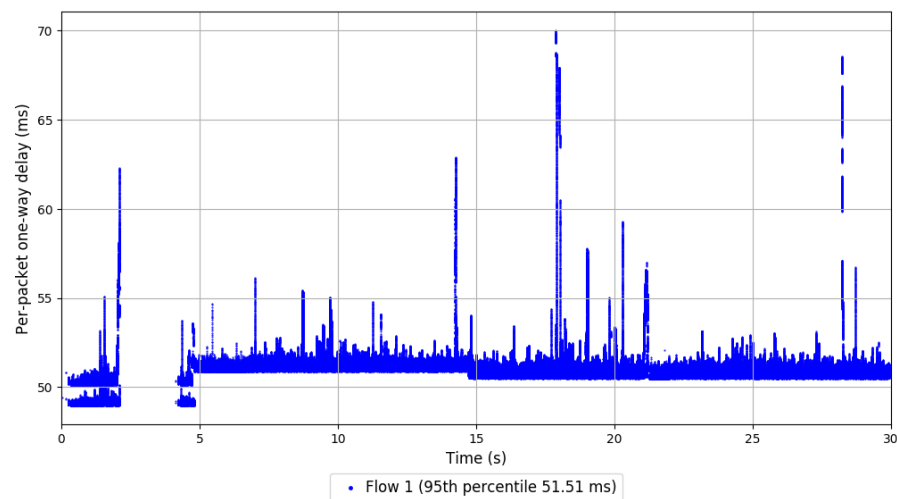
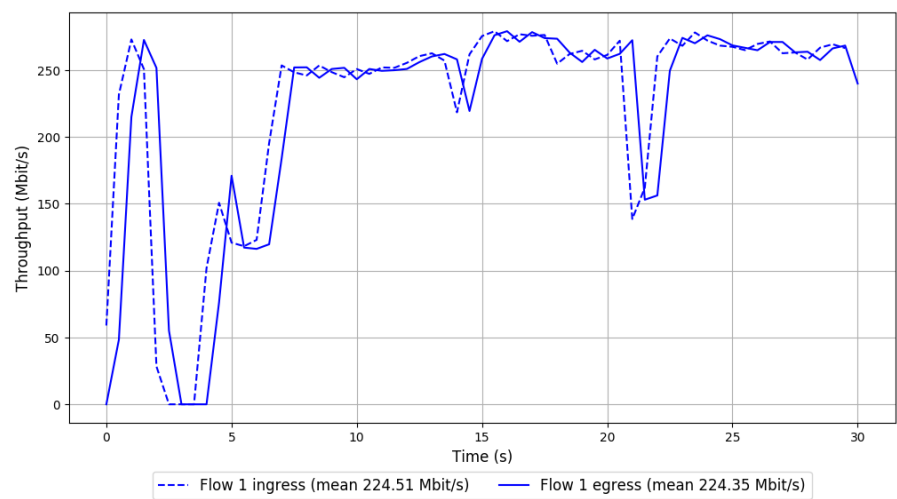
-- Flow 1:

Average throughput: 224.35 Mbit/s

95th percentile per-packet one-way delay: 51.510 ms

Loss rate: 0.40%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-27 05:37:44

End at: 2018-07-27 05:38:14

Local clock offset: -0.009 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-27 07:25:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.17 Mbit/s

95th percentile per-packet one-way delay: 51.087 ms

Loss rate: 0.27%

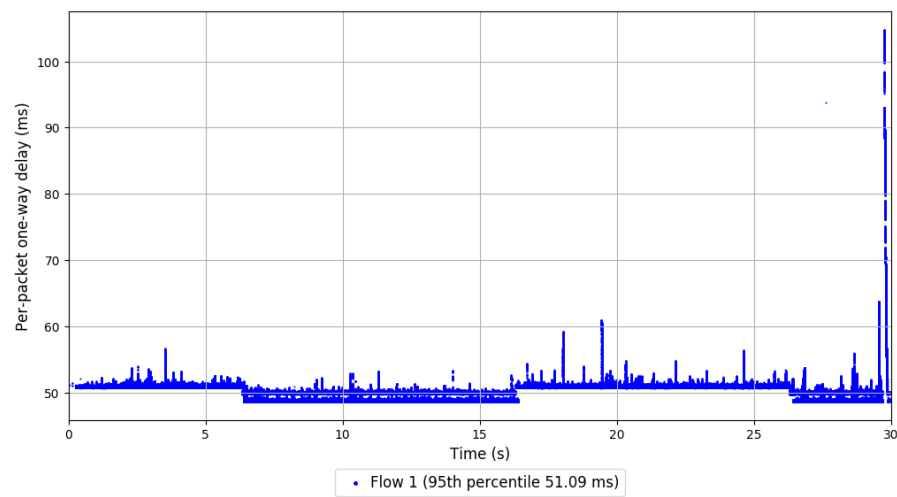
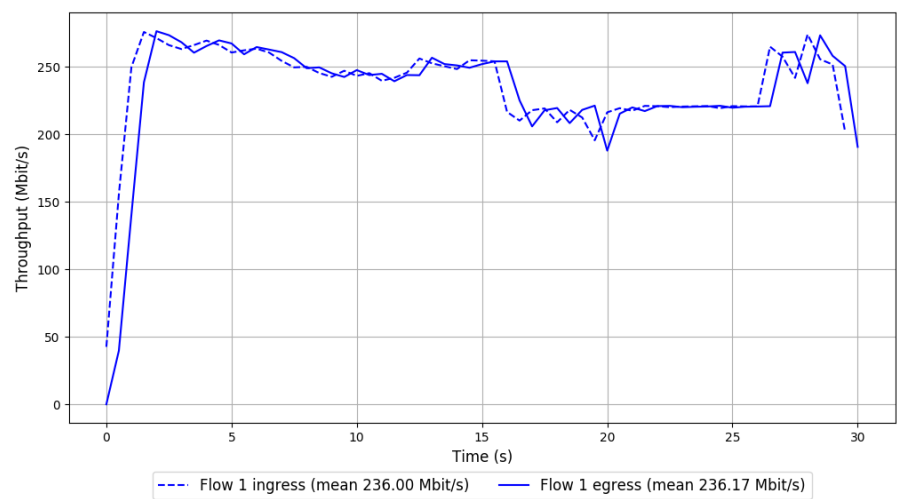
-- Flow 1:

Average throughput: 236.17 Mbit/s

95th percentile per-packet one-way delay: 51.087 ms

Loss rate: 0.27%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-27 02:27:28

End at: 2018-07-27 02:27:58

Local clock offset: 0.294 ms

Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-27 07:25:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.98 Mbit/s

95th percentile per-packet one-way delay: 60.730 ms

Loss rate: 0.24%

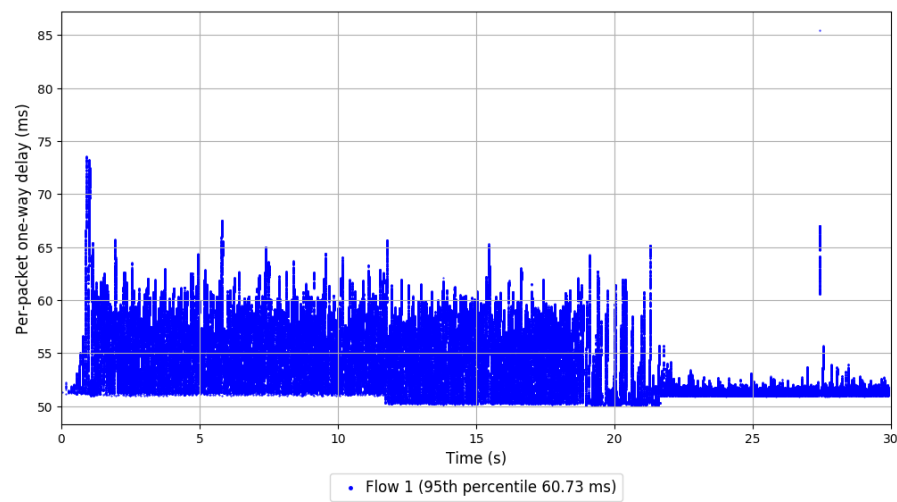
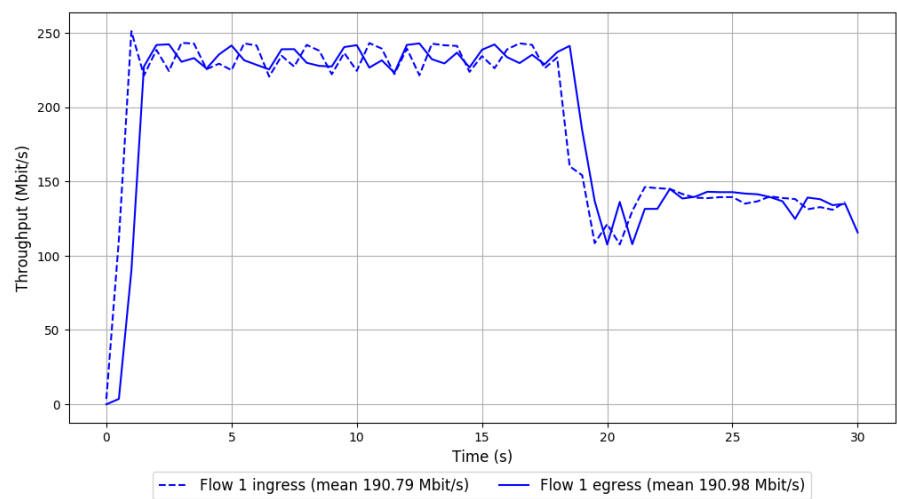
-- Flow 1:

Average throughput: 190.98 Mbit/s

95th percentile per-packet one-way delay: 60.730 ms

Loss rate: 0.24%

Run 1: Report of TCP Vegas — Data Link

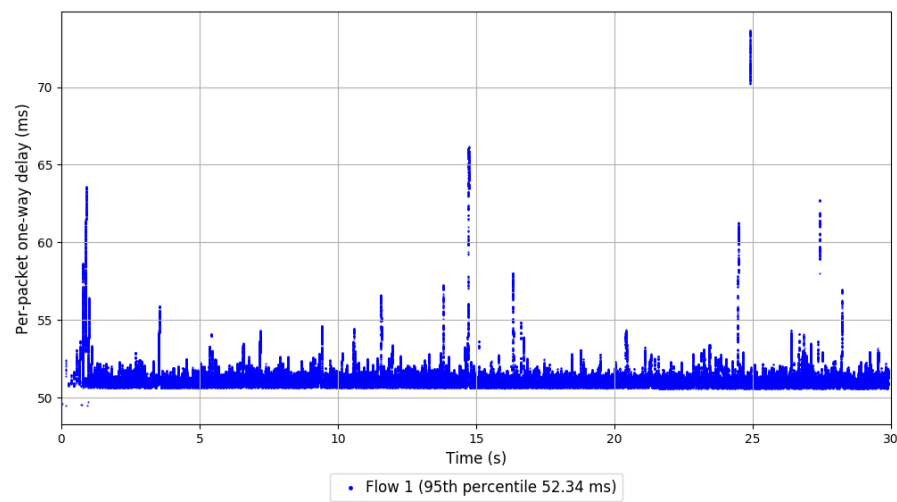
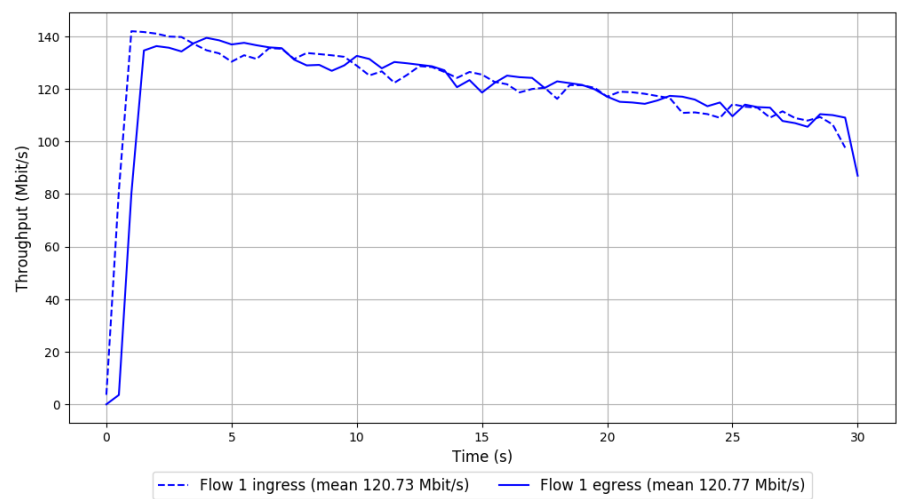


Run 2: Statistics of TCP Vegas

Start at: 2018-07-27 02:48:58
End at: 2018-07-27 02:49:28
Local clock offset: -0.059 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 07:25:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.77 Mbit/s
95th percentile per-packet one-way delay: 52.344 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 120.77 Mbit/s
95th percentile per-packet one-way delay: 52.344 ms
Loss rate: 0.30%

Run 2: Report of TCP Vegas — Data Link

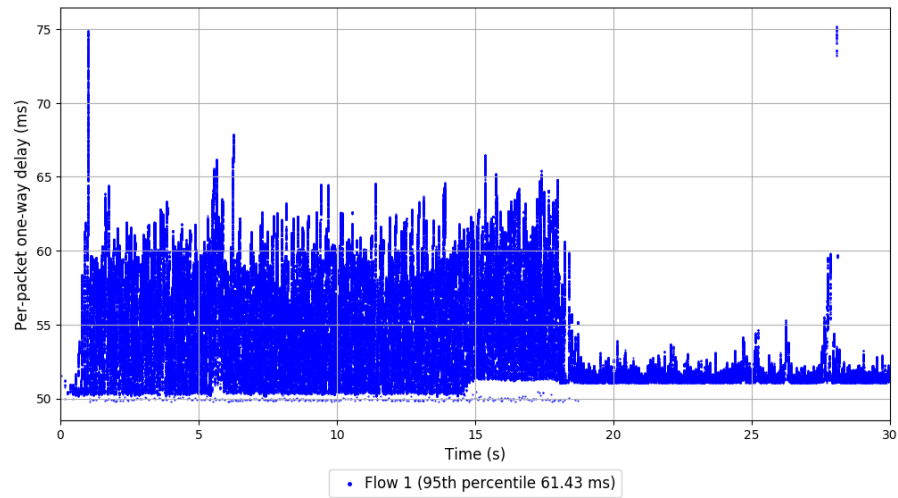
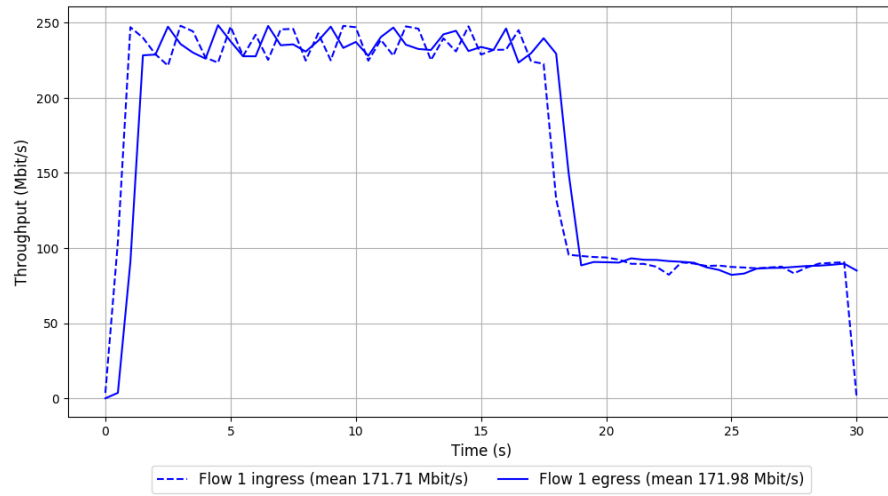


Run 3: Statistics of TCP Vegas

Start at: 2018-07-27 03:10:55
End at: 2018-07-27 03:11:25
Local clock offset: 0.348 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-27 07:25:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 61.431 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 61.431 ms
Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link

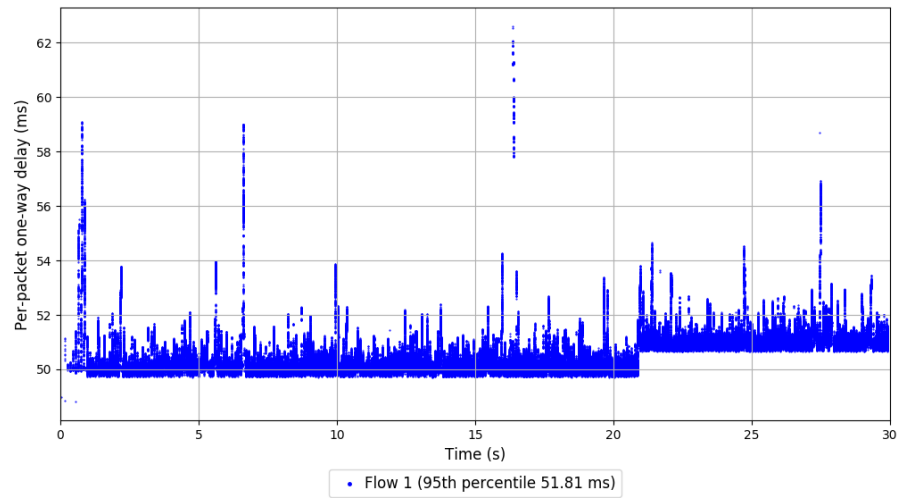
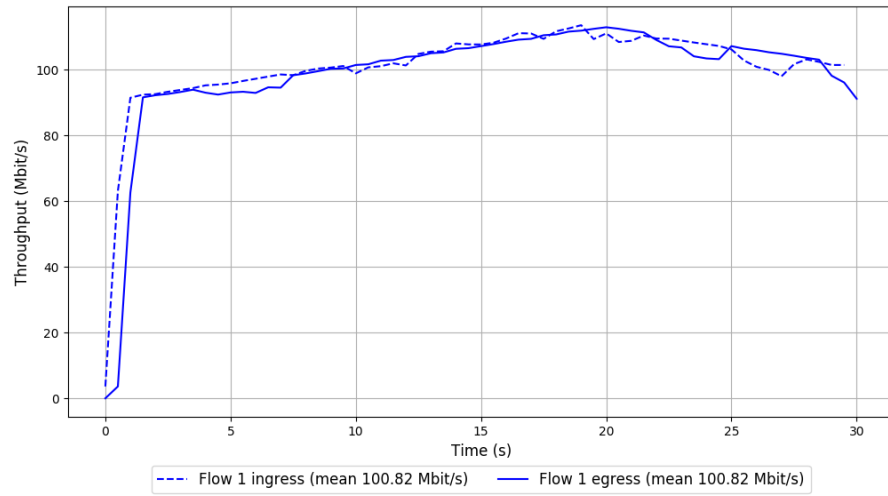


Run 4: Statistics of TCP Vegas

Start at: 2018-07-27 03:32:39
End at: 2018-07-27 03:33:09
Local clock offset: -0.146 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-27 07:25:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.82 Mbit/s
95th percentile per-packet one-way delay: 51.815 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 100.82 Mbit/s
95th percentile per-packet one-way delay: 51.815 ms
Loss rate: 0.33%

Run 4: Report of TCP Vegas — Data Link

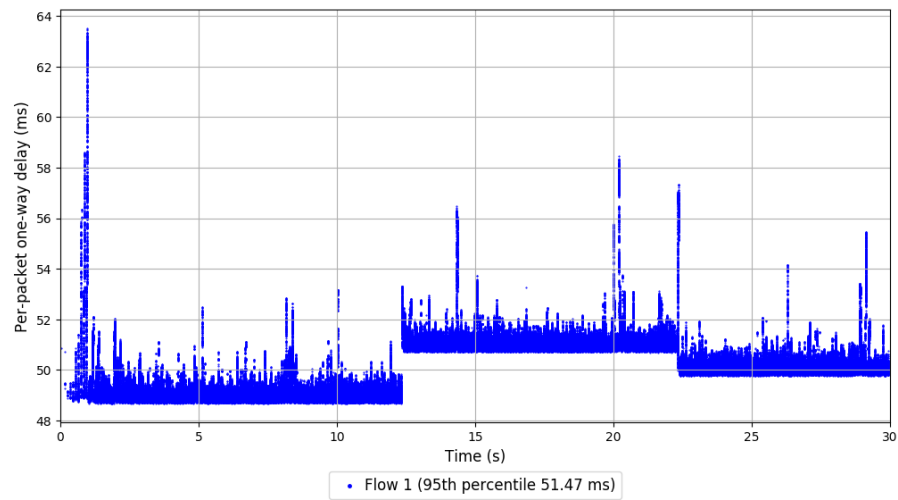
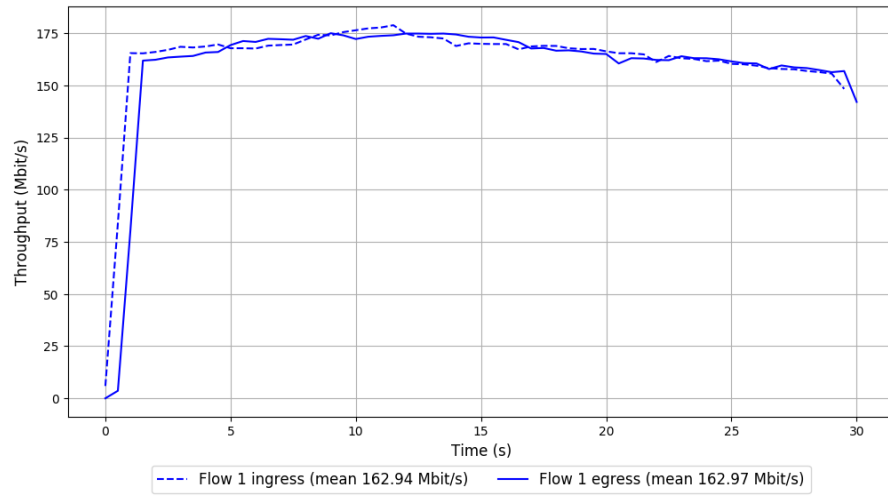


Run 5: Statistics of TCP Vegas

Start at: 2018-07-27 03:54:18
End at: 2018-07-27 03:54:48
Local clock offset: -0.054 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-27 07:25:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.97 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 162.97 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.32%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-27 04:16:00

End at: 2018-07-27 04:16:30

Local clock offset: -0.018 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-27 07:25:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.47 Mbit/s

95th percentile per-packet one-way delay: 61.549 ms

Loss rate: 0.13%

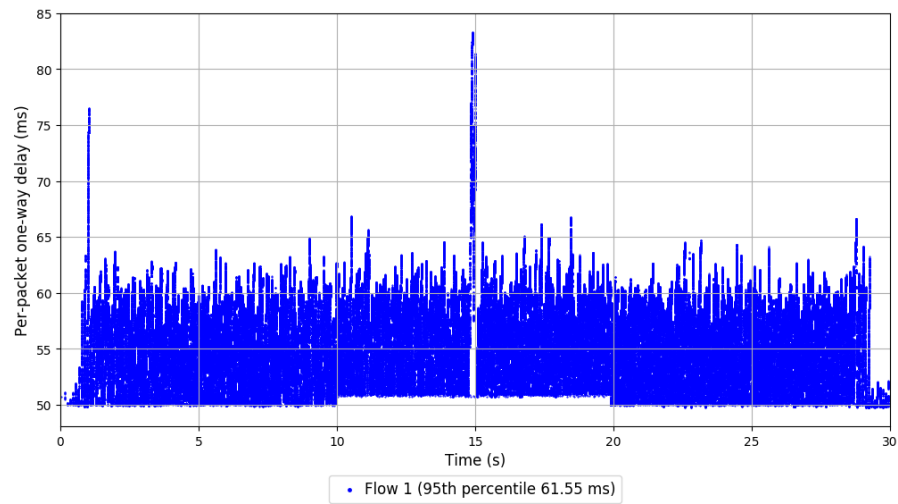
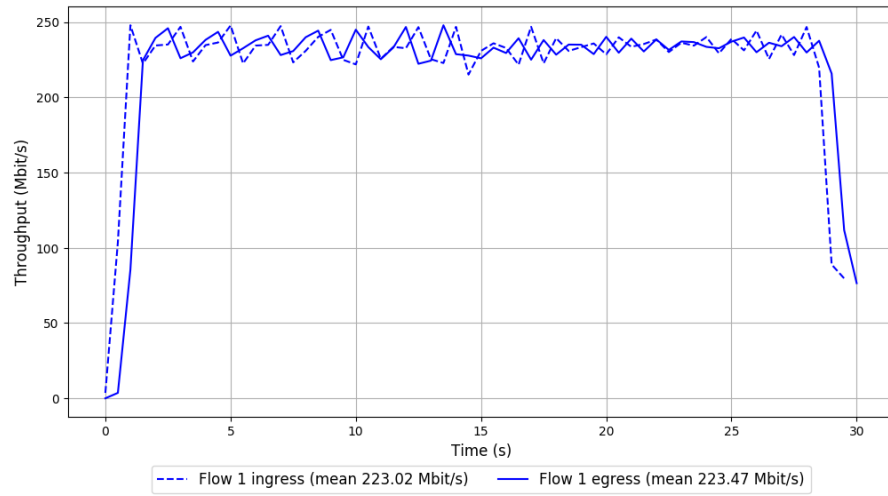
-- Flow 1:

Average throughput: 223.47 Mbit/s

95th percentile per-packet one-way delay: 61.549 ms

Loss rate: 0.13%

Run 6: Report of TCP Vegas — Data Link

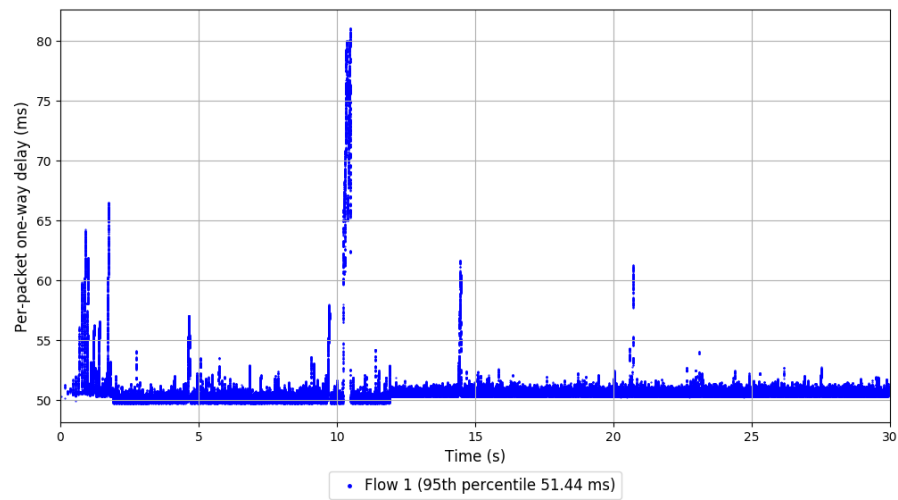
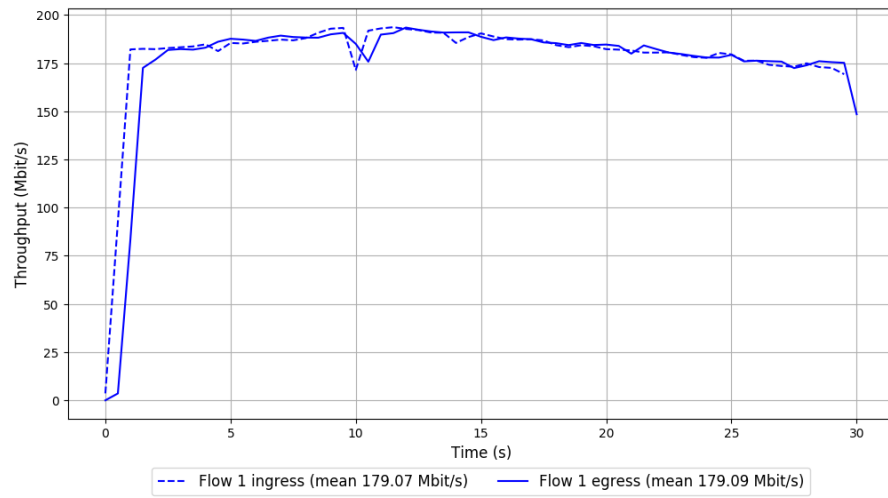


Run 7: Statistics of TCP Vegas

Start at: 2018-07-27 04:37:58
End at: 2018-07-27 04:38:28
Local clock offset: -0.409 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-27 07:25:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.09 Mbit/s
95th percentile per-packet one-way delay: 51.443 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 179.09 Mbit/s
95th percentile per-packet one-way delay: 51.443 ms
Loss rate: 0.32%

Run 7: Report of TCP Vegas — Data Link

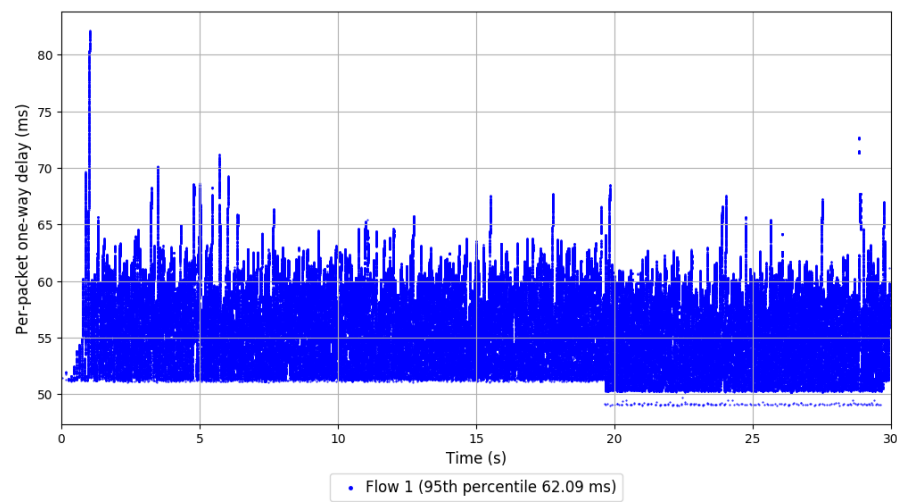
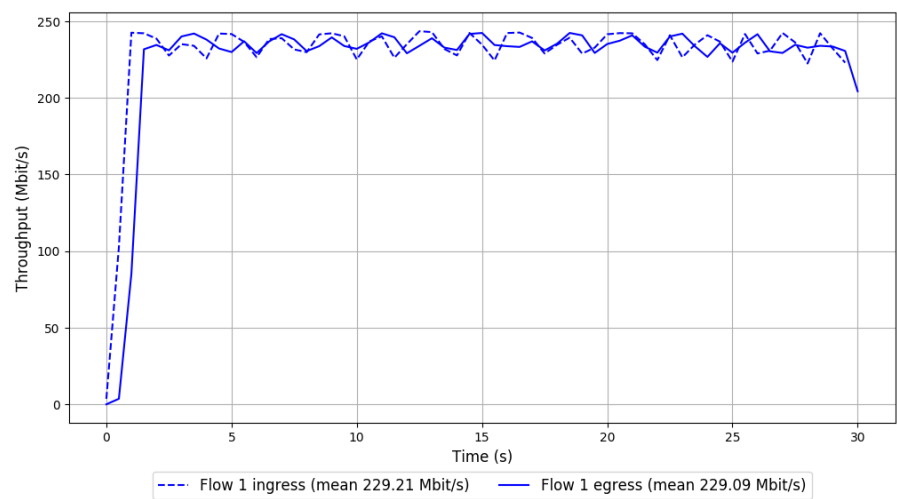


Run 8: Statistics of TCP Vegas

Start at: 2018-07-27 04:59:40
End at: 2018-07-27 05:00:10
Local clock offset: 0.326 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-27 07:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.09 Mbit/s
95th percentile per-packet one-way delay: 62.095 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 229.09 Mbit/s
95th percentile per-packet one-way delay: 62.095 ms
Loss rate: 0.39%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-27 05:21:29

End at: 2018-07-27 05:21:59

Local clock offset: 0.326 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-27 07:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.56 Mbit/s

95th percentile per-packet one-way delay: 52.291 ms

Loss rate: 0.37%

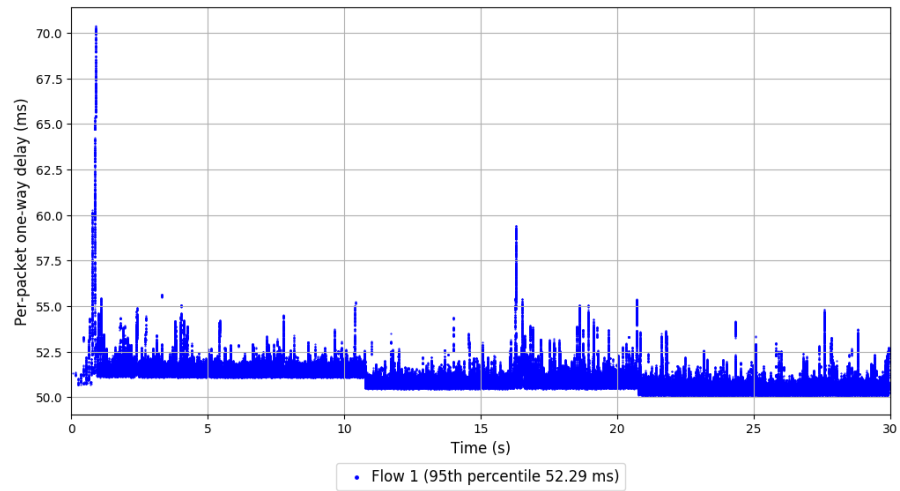
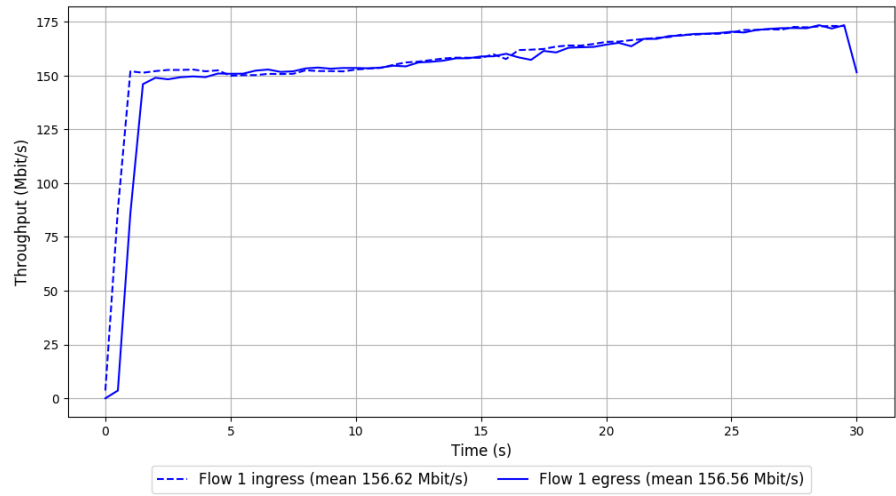
-- Flow 1:

Average throughput: 156.56 Mbit/s

95th percentile per-packet one-way delay: 52.291 ms

Loss rate: 0.37%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-27 05:43:09

End at: 2018-07-27 05:43:39

Local clock offset: -0.016 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-27 07:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.77 Mbit/s

95th percentile per-packet one-way delay: 52.220 ms

Loss rate: 0.38%

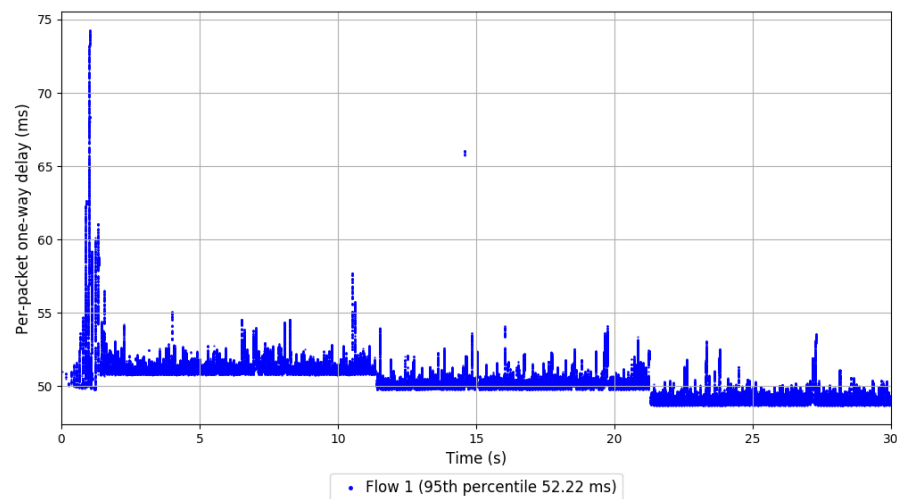
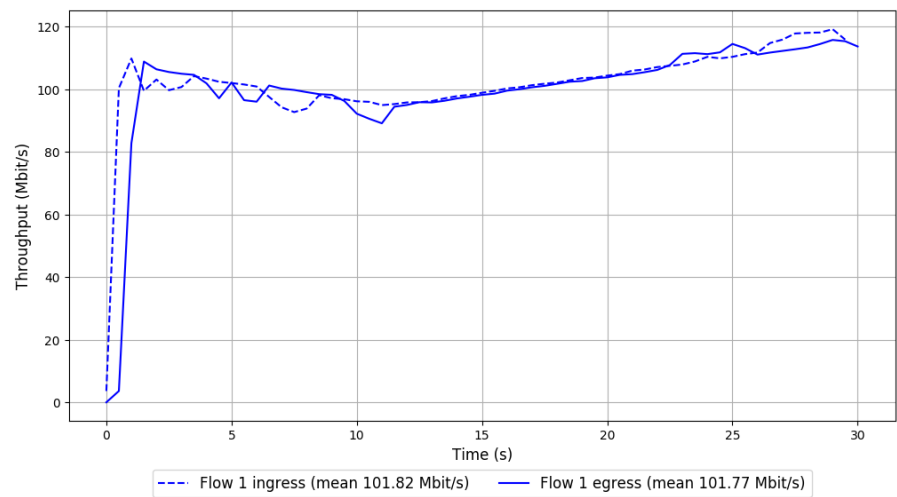
-- Flow 1:

Average throughput: 101.77 Mbit/s

95th percentile per-packet one-way delay: 52.220 ms

Loss rate: 0.38%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-27 02:31:13

End at: 2018-07-27 02:31:43

Local clock offset: -0.088 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-27 07:27:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.36 Mbit/s

95th percentile per-packet one-way delay: 194.522 ms

Loss rate: 0.60%

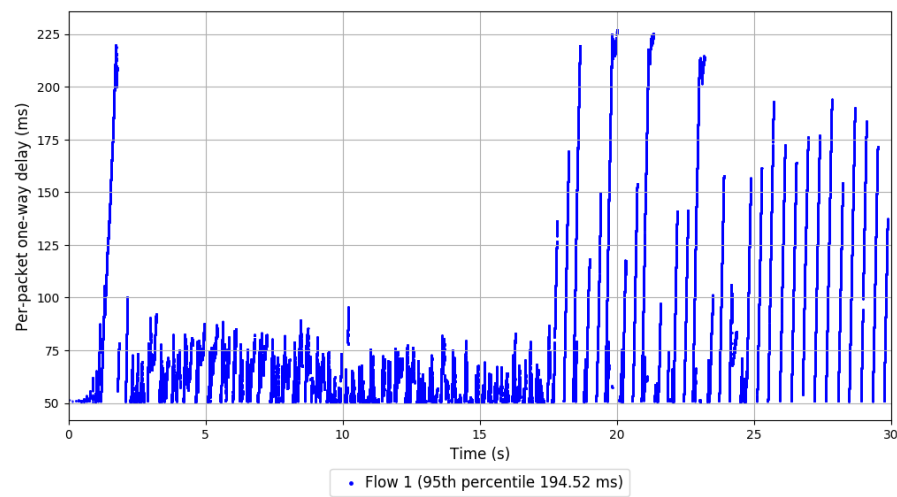
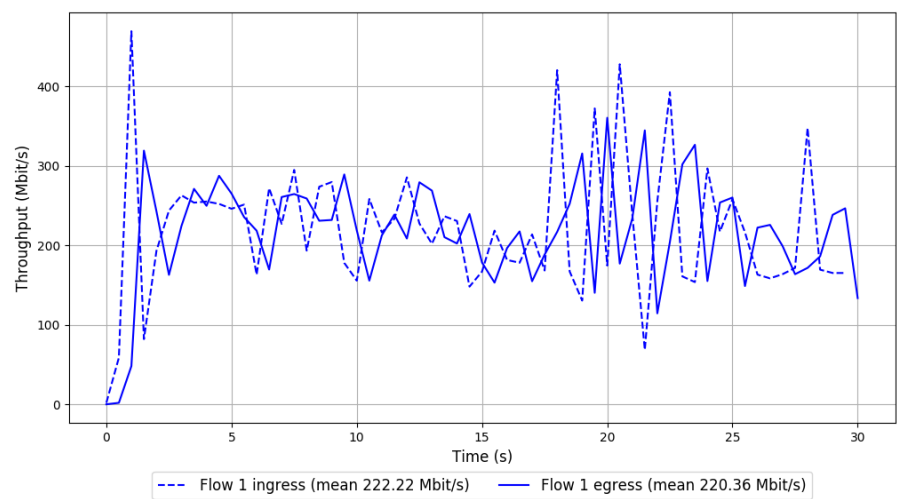
-- Flow 1:

Average throughput: 220.36 Mbit/s

95th percentile per-packet one-way delay: 194.522 ms

Loss rate: 0.60%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-27 02:52:39

End at: 2018-07-27 02:53:09

Local clock offset: -0.052 ms

Remote clock offset: 0.008 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.11 Mbit/s

95th percentile per-packet one-way delay: 89.768 ms

Loss rate: 0.20%

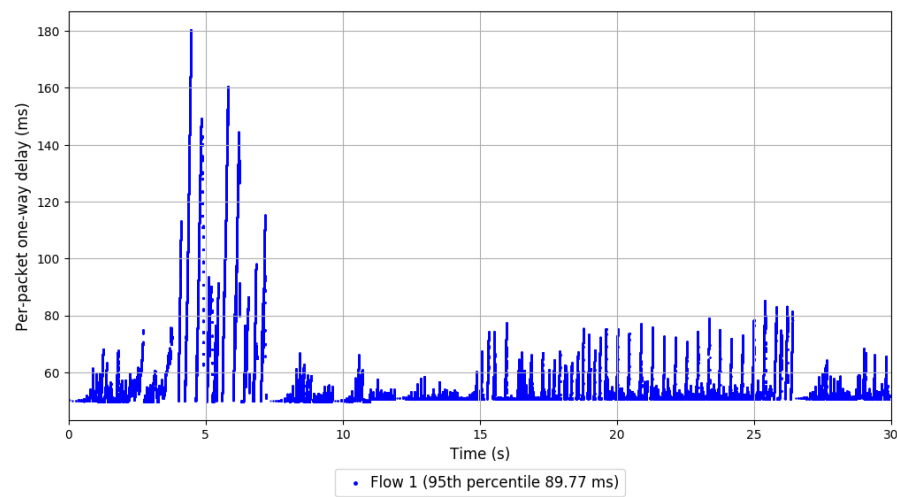
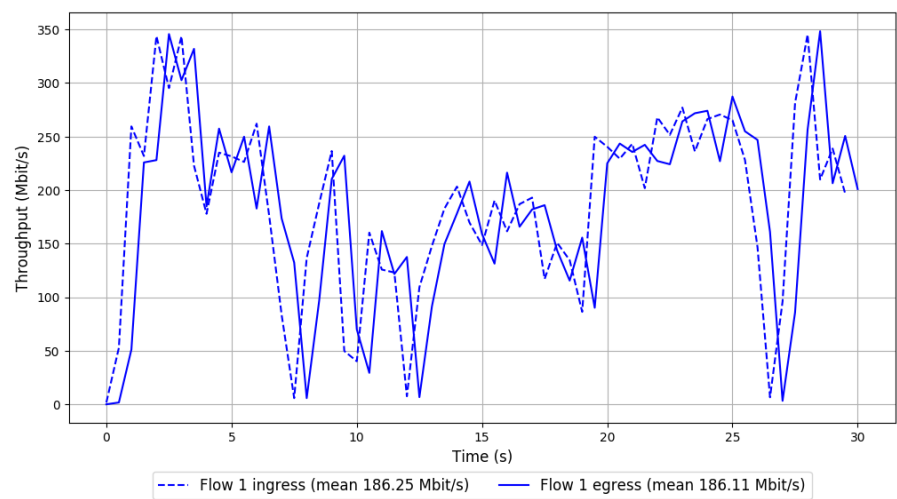
-- Flow 1:

Average throughput: 186.11 Mbit/s

95th percentile per-packet one-way delay: 89.768 ms

Loss rate: 0.20%

Run 2: Report of Verus — Data Link

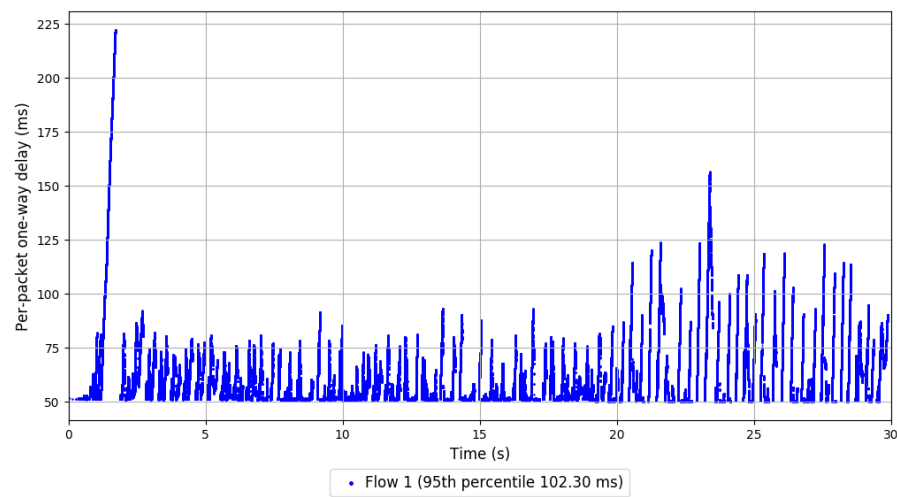
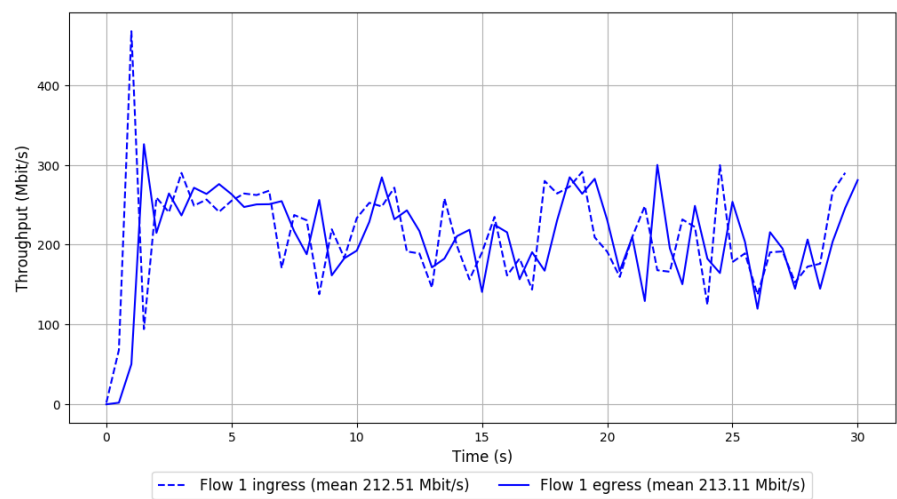


Run 3: Statistics of Verus

Start at: 2018-07-27 03:14:41
End at: 2018-07-27 03:15:11
Local clock offset: 0.323 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-27 07:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.11 Mbit/s
95th percentile per-packet one-way delay: 102.299 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 213.11 Mbit/s
95th percentile per-packet one-way delay: 102.299 ms
Loss rate: 0.23%

Run 3: Report of Verus — Data Link

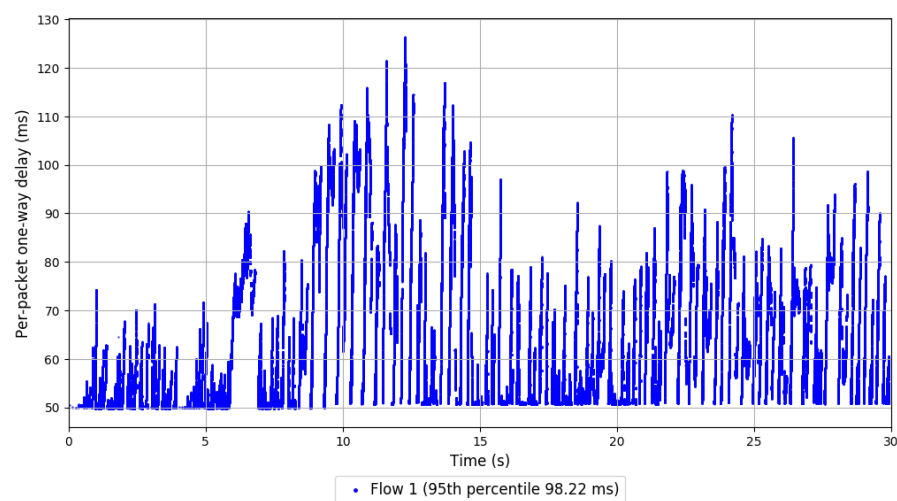
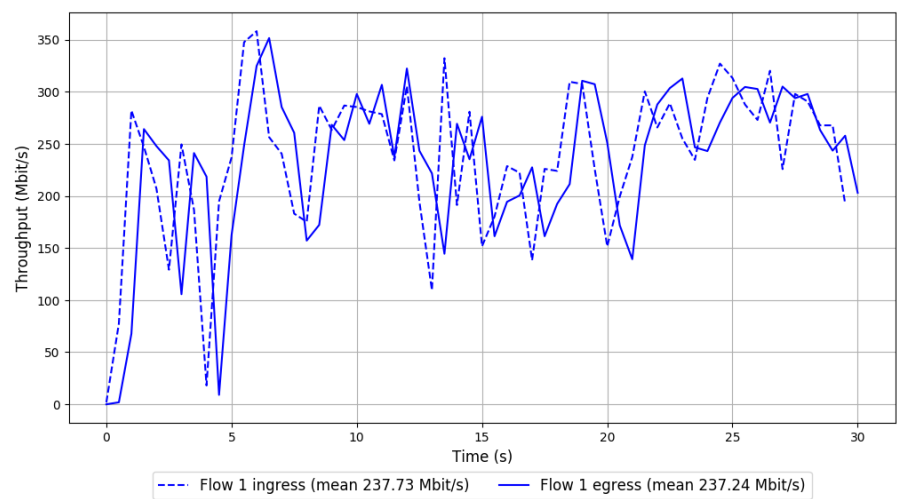


Run 4: Statistics of Verus

Start at: 2018-07-27 03:36:20
End at: 2018-07-27 03:36:50
Local clock offset: -0.169 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-27 07:29:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.24 Mbit/s
95th percentile per-packet one-way delay: 98.220 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 237.24 Mbit/s
95th percentile per-packet one-way delay: 98.220 ms
Loss rate: 0.36%

Run 4: Report of Verus — Data Link

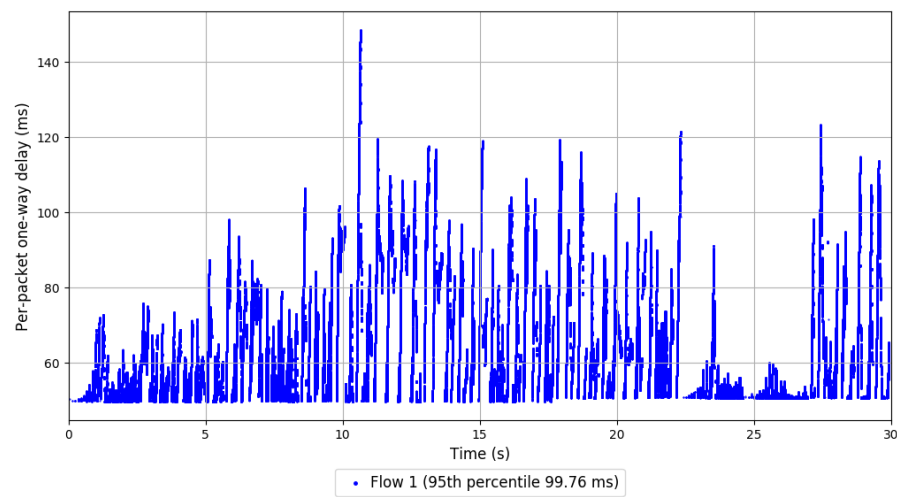
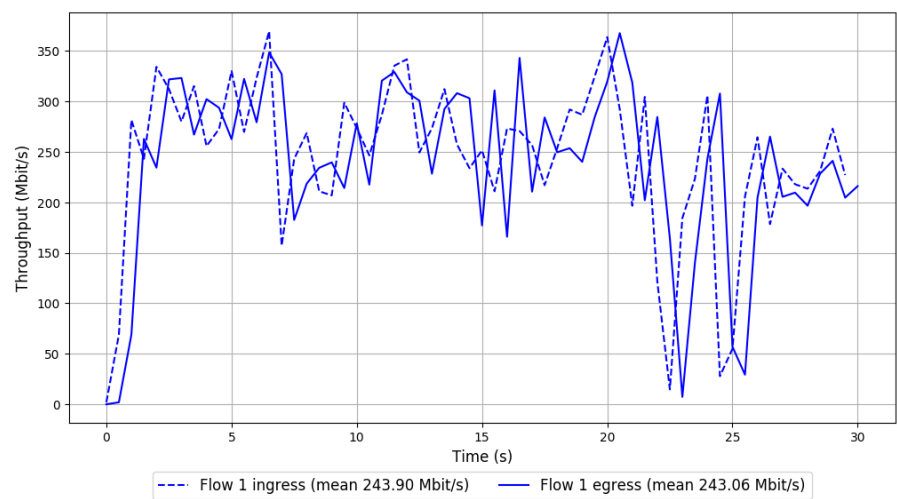


Run 5: Statistics of Verus

Start at: 2018-07-27 03:58:02
End at: 2018-07-27 03:58:32
Local clock offset: -0.081 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-27 07:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.06 Mbit/s
95th percentile per-packet one-way delay: 99.760 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 243.06 Mbit/s
95th percentile per-packet one-way delay: 99.760 ms
Loss rate: 0.68%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-27 04:19:47

End at: 2018-07-27 04:20:17

Local clock offset: -0.047 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-27 07:29:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.32 Mbit/s

95th percentile per-packet one-way delay: 189.831 ms

Loss rate: 0.78%

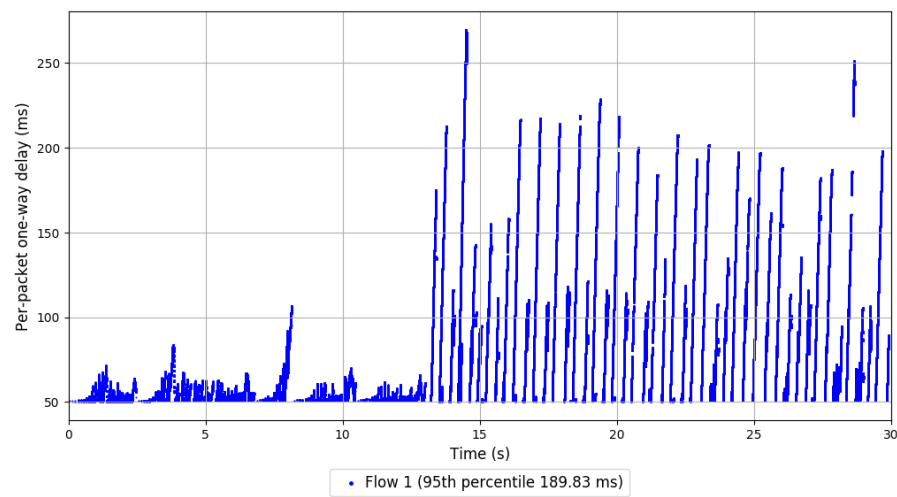
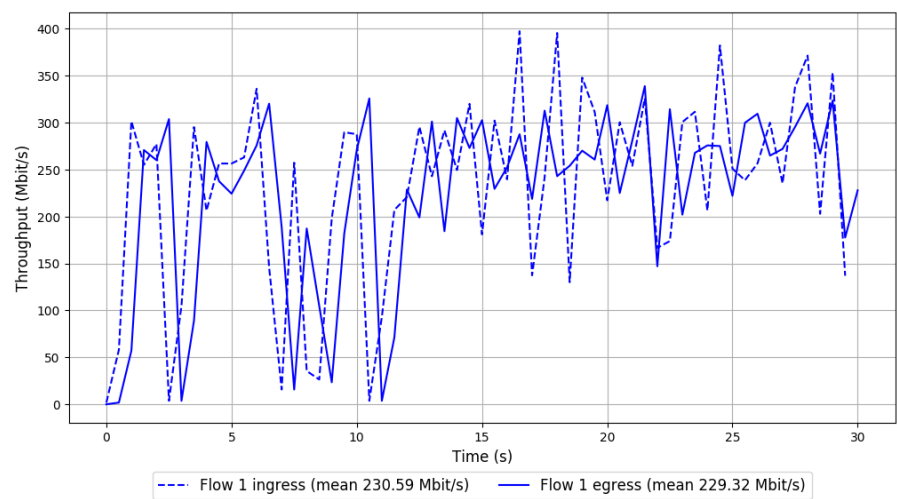
-- Flow 1:

Average throughput: 229.32 Mbit/s

95th percentile per-packet one-way delay: 189.831 ms

Loss rate: 0.78%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-27 04:41:38

End at: 2018-07-27 04:42:08

Local clock offset: -0.045 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-27 07:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 121.977 ms

Loss rate: 0.37%

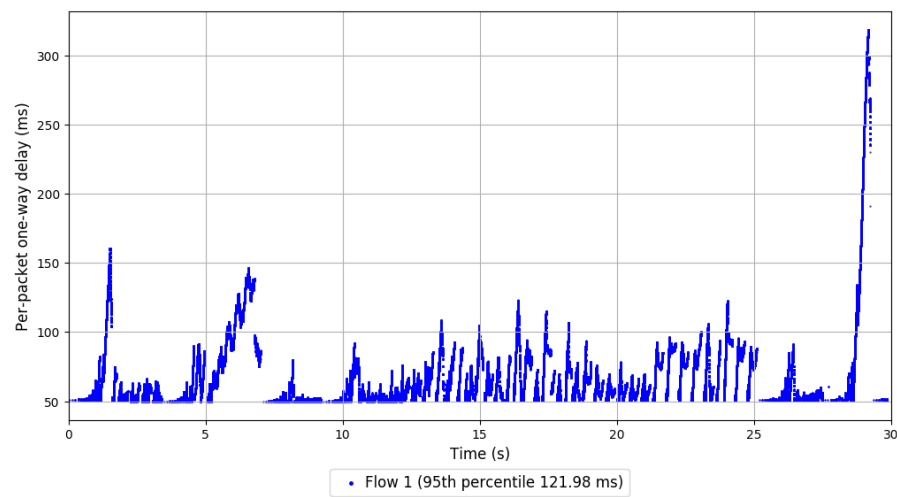
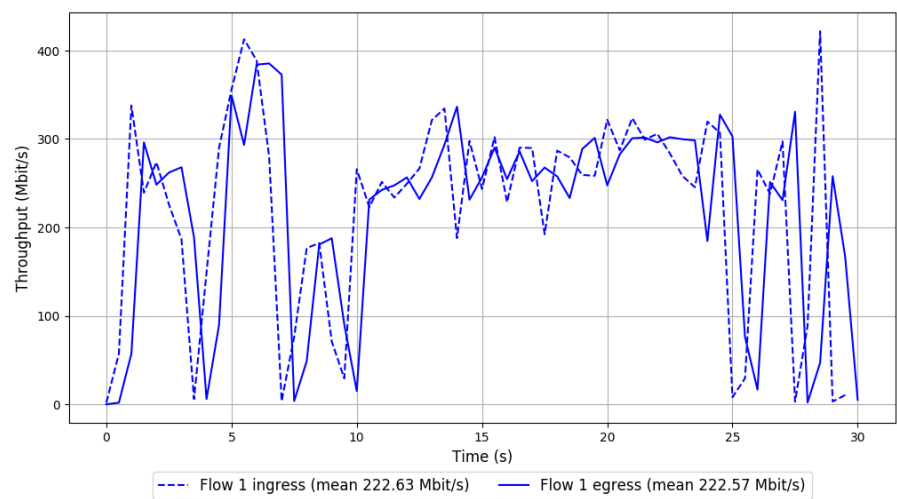
-- Flow 1:

Average throughput: 222.57 Mbit/s

95th percentile per-packet one-way delay: 121.977 ms

Loss rate: 0.37%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-27 05:03:27

End at: 2018-07-27 05:03:57

Local clock offset: -0.027 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-27 07:30:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.66 Mbit/s

95th percentile per-packet one-way delay: 93.859 ms

Loss rate: 0.48%

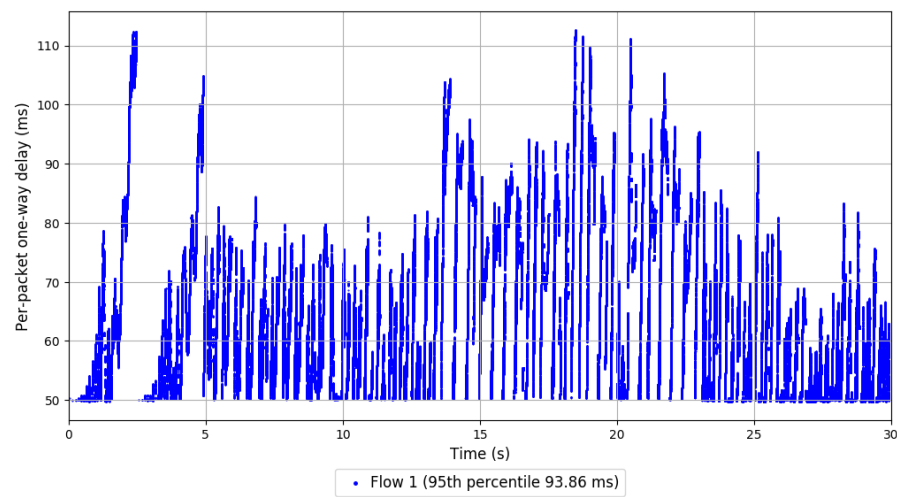
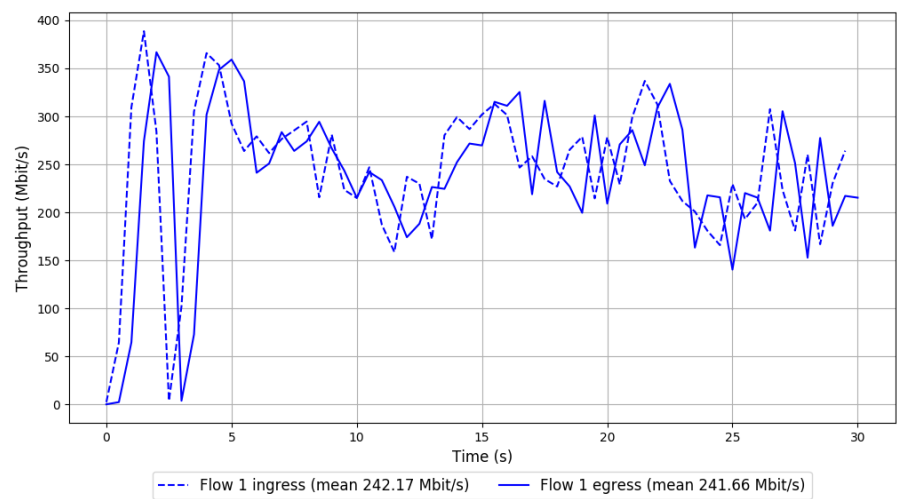
-- Flow 1:

Average throughput: 241.66 Mbit/s

95th percentile per-packet one-way delay: 93.859 ms

Loss rate: 0.48%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-27 05:25:08

End at: 2018-07-27 05:25:38

Local clock offset: -0.019 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-27 07:31:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.87 Mbit/s

95th percentile per-packet one-way delay: 121.834 ms

Loss rate: 1.43%

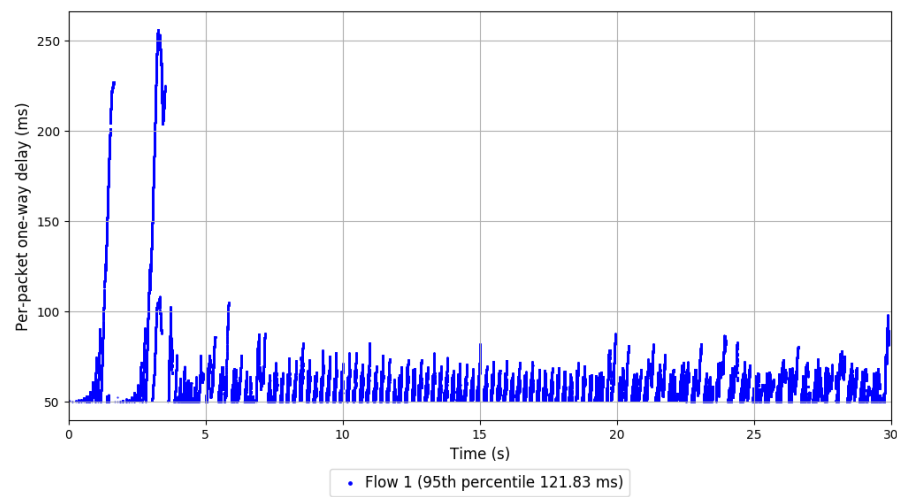
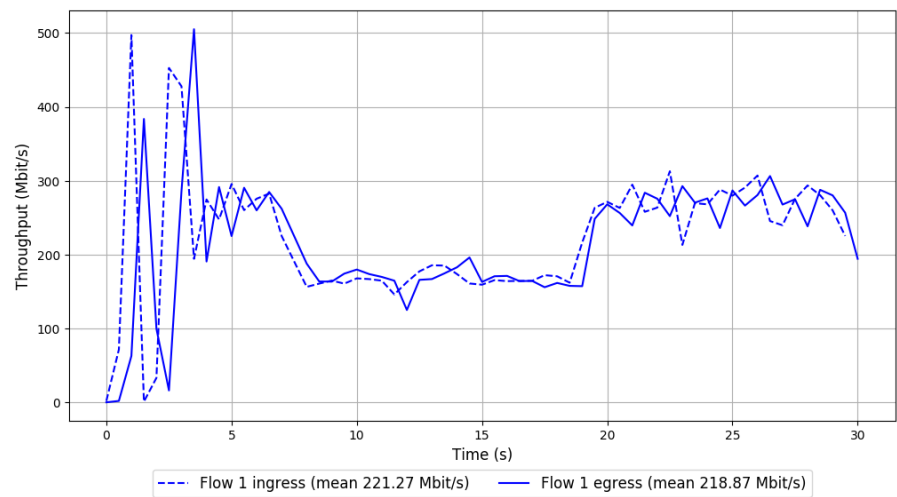
-- Flow 1:

Average throughput: 218.87 Mbit/s

95th percentile per-packet one-way delay: 121.834 ms

Loss rate: 1.43%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-27 05:46:49

End at: 2018-07-27 05:47:19

Local clock offset: -0.015 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-27 07:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.74 Mbit/s

95th percentile per-packet one-way delay: 88.759 ms

Loss rate: 0.64%

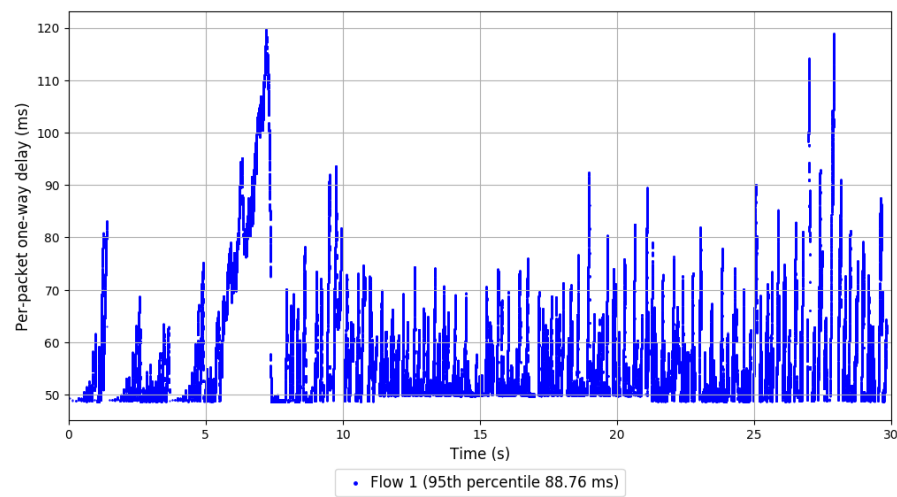
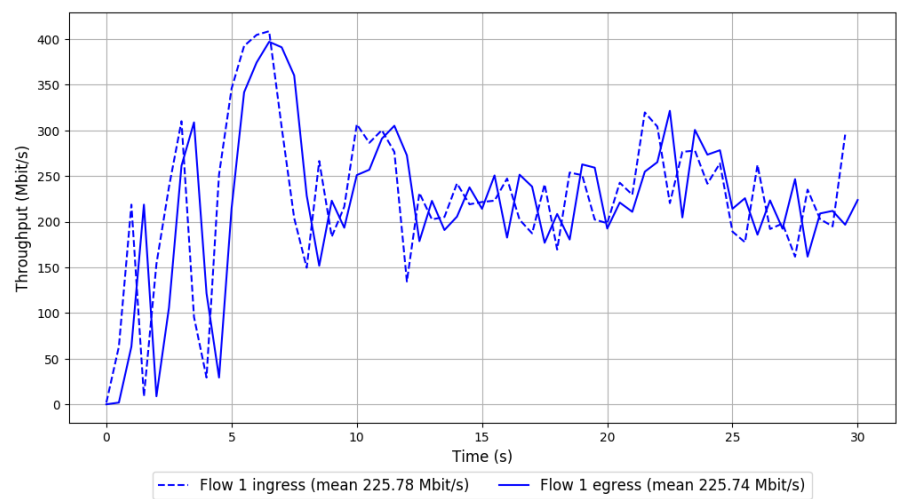
-- Flow 1:

Average throughput: 225.74 Mbit/s

95th percentile per-packet one-way delay: 88.759 ms

Loss rate: 0.64%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-27 02:24:27

End at: 2018-07-27 02:24:57

Local clock offset: -0.404 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-27 07:35:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.87 Mbit/s

95th percentile per-packet one-way delay: 51.564 ms

Loss rate: 0.37%

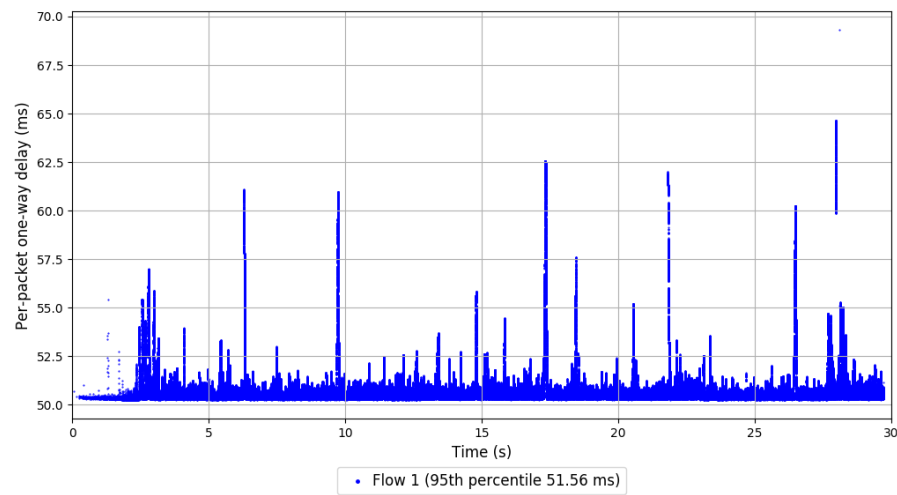
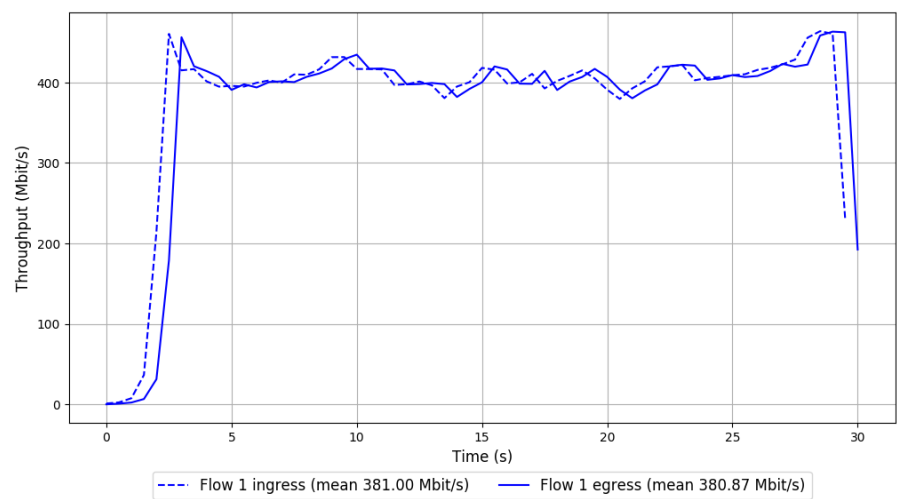
-- Flow 1:

Average throughput: 380.87 Mbit/s

95th percentile per-packet one-way delay: 51.564 ms

Loss rate: 0.37%

Run 1: Report of PCC-Vivace — Data Link

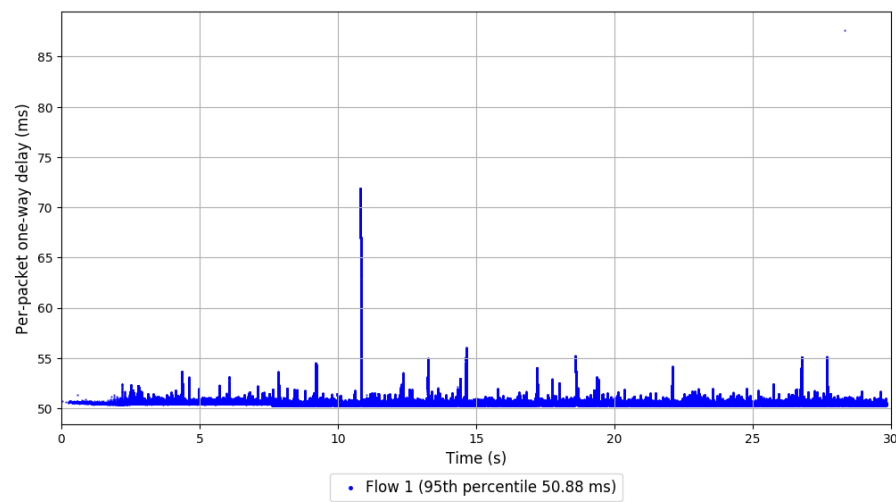
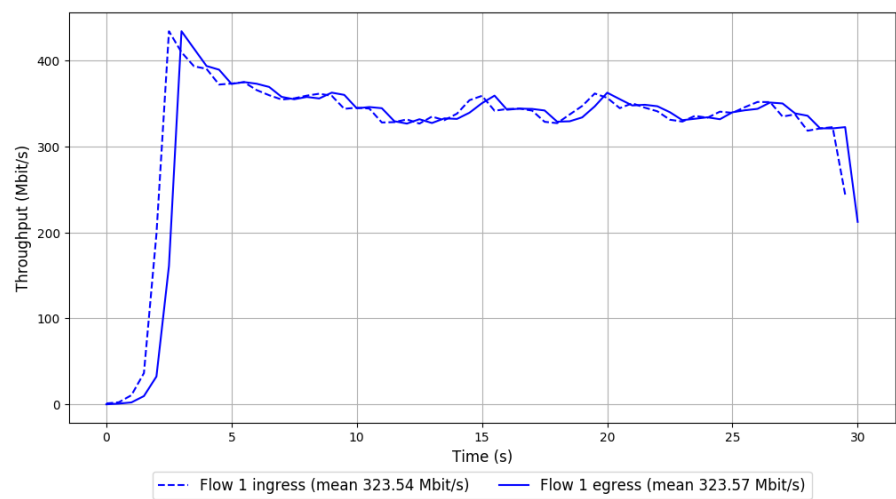


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-27 02:46:12
End at: 2018-07-27 02:46:42
Local clock offset: -0.369 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-27 07:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 323.57 Mbit/s
95th percentile per-packet one-way delay: 50.882 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 323.57 Mbit/s
95th percentile per-packet one-way delay: 50.882 ms
Loss rate: 0.33%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-27 03:07:59

End at: 2018-07-27 03:08:29

Local clock offset: 0.355 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-27 07:35:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.48 Mbit/s

95th percentile per-packet one-way delay: 51.283 ms

Loss rate: 0.40%

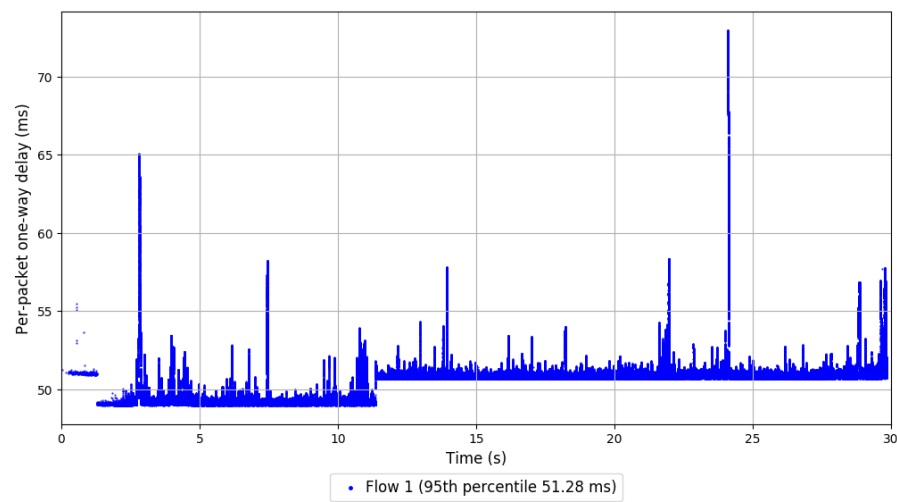
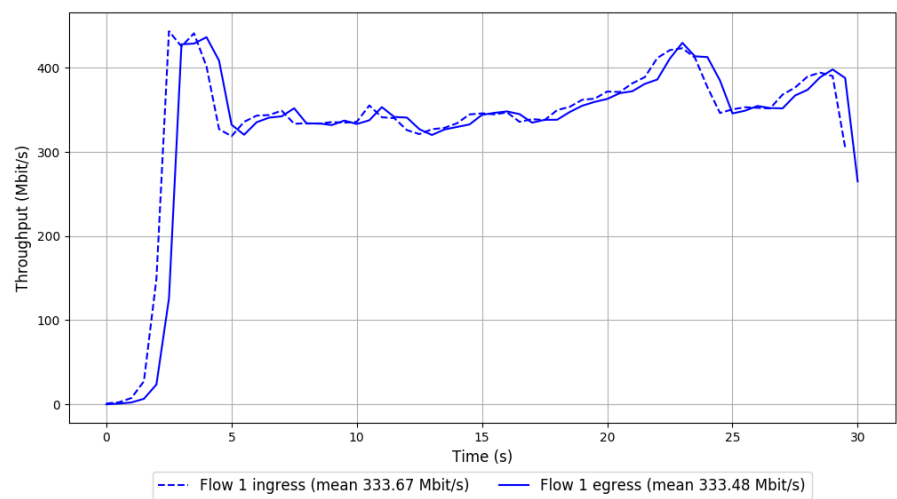
-- Flow 1:

Average throughput: 333.48 Mbit/s

95th percentile per-packet one-way delay: 51.283 ms

Loss rate: 0.40%

Run 3: Report of PCC-Vivace — Data Link

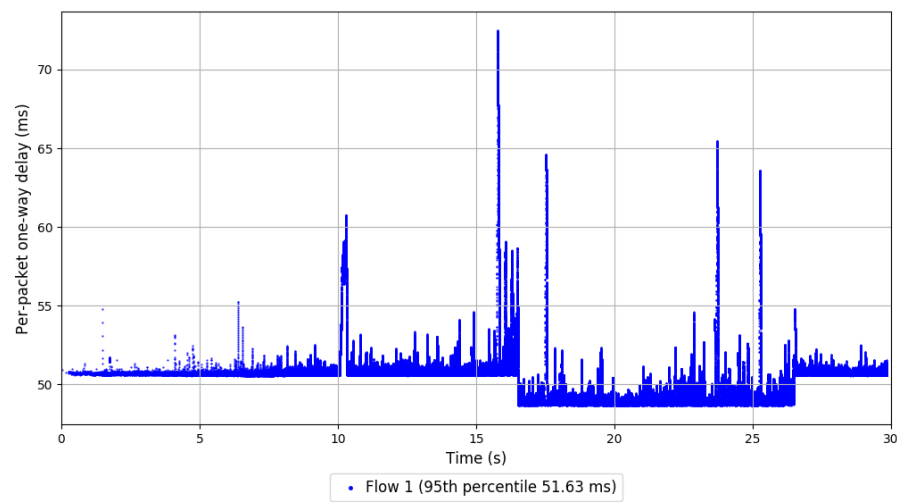
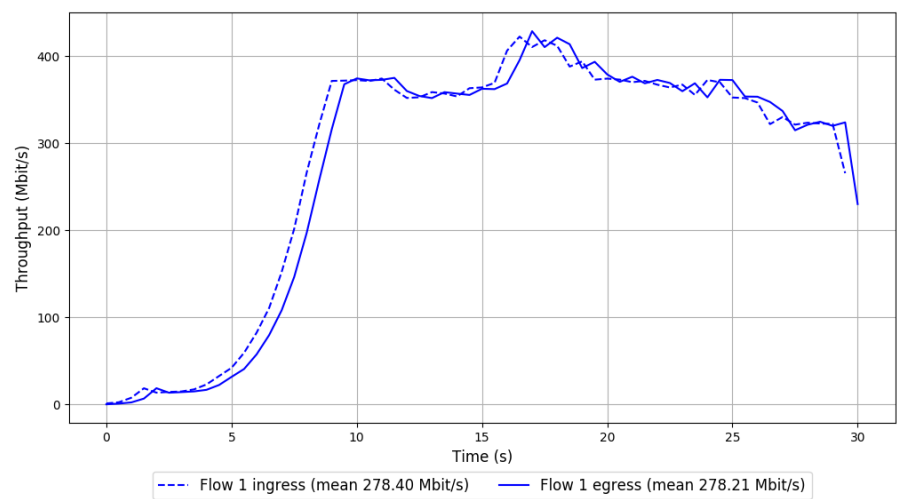


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-27 03:29:43
End at: 2018-07-27 03:30:13
Local clock offset: -0.172 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-27 07:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.21 Mbit/s
95th percentile per-packet one-way delay: 51.627 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 278.21 Mbit/s
95th percentile per-packet one-way delay: 51.627 ms
Loss rate: 0.41%

Run 4: Report of PCC-Vivace — Data Link

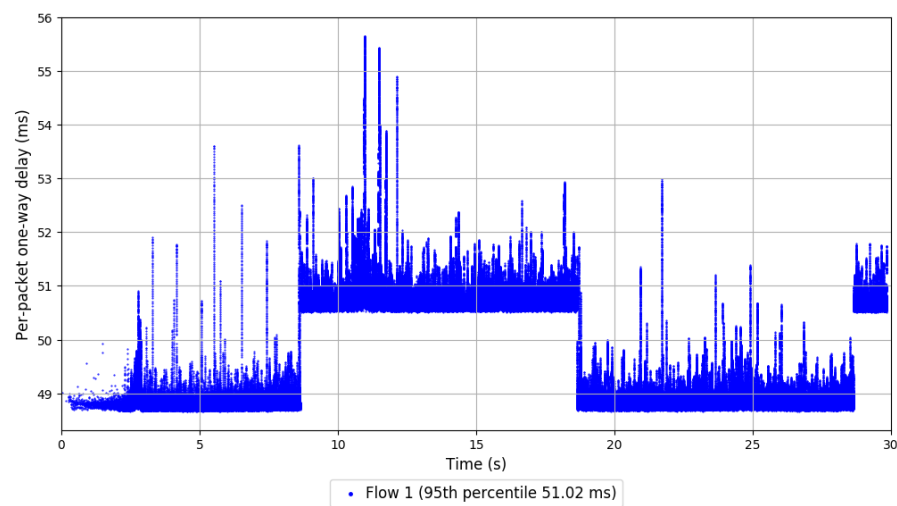
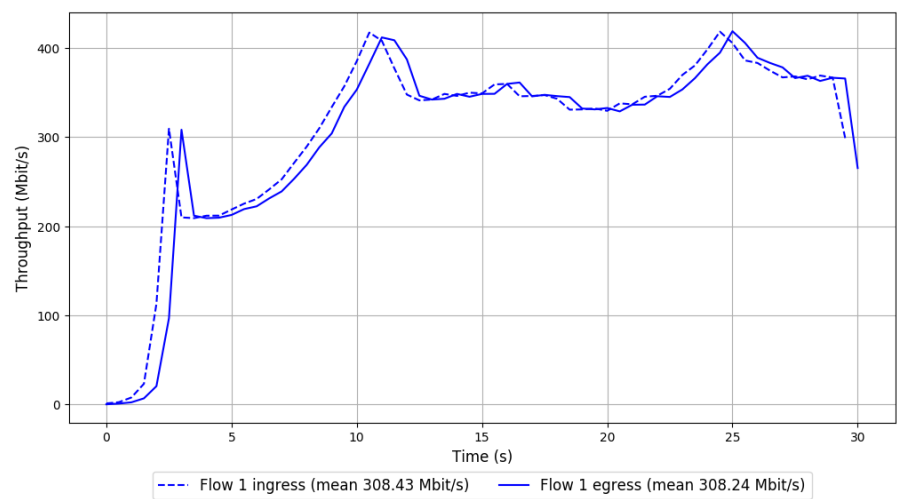


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-27 03:51:31
End at: 2018-07-27 03:52:01
Local clock offset: -0.093 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-27 07:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.24 Mbit/s
95th percentile per-packet one-way delay: 51.019 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 308.24 Mbit/s
95th percentile per-packet one-way delay: 51.019 ms
Loss rate: 0.40%

Run 5: Report of PCC-Vivace — Data Link

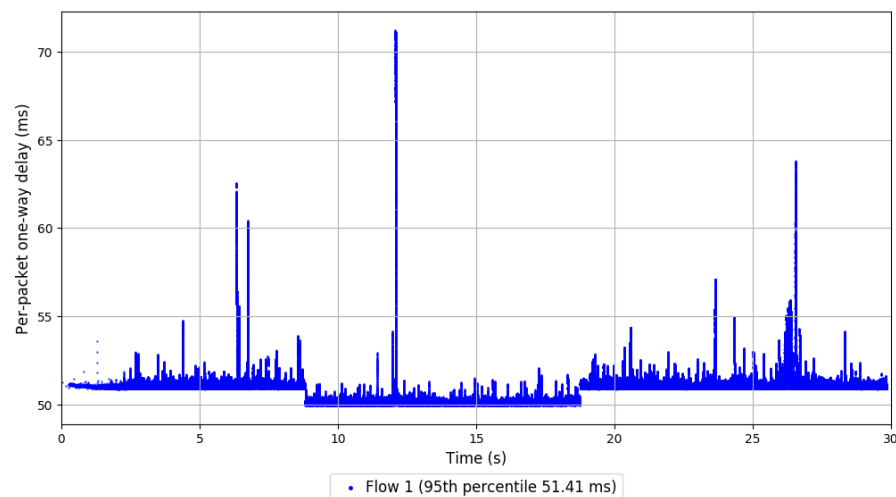
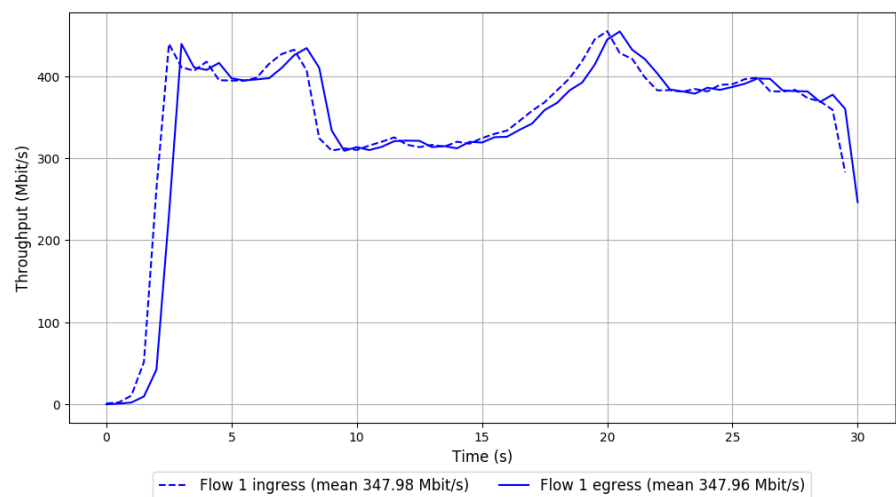


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-27 04:13:11
End at: 2018-07-27 04:13:41
Local clock offset: 0.309 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-27 07:36:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.96 Mbit/s
95th percentile per-packet one-way delay: 51.413 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 347.96 Mbit/s
95th percentile per-packet one-way delay: 51.413 ms
Loss rate: 0.35%

Run 6: Report of PCC-Vivace — Data Link

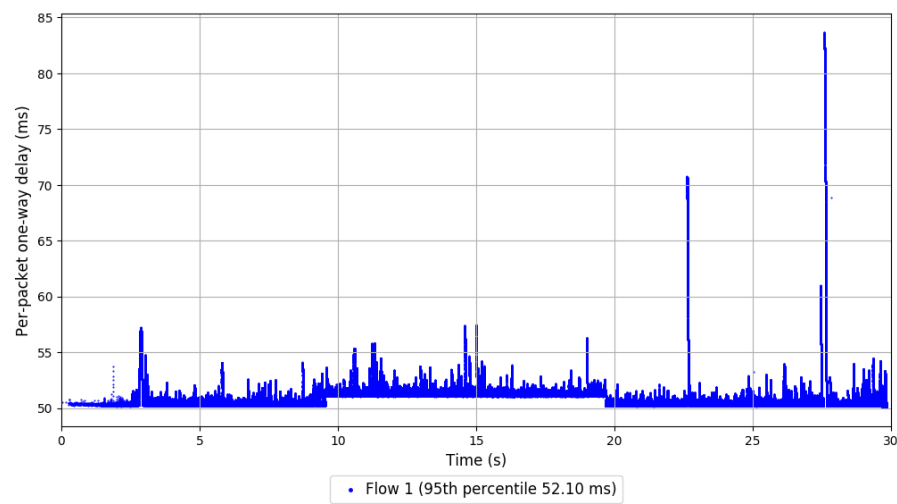
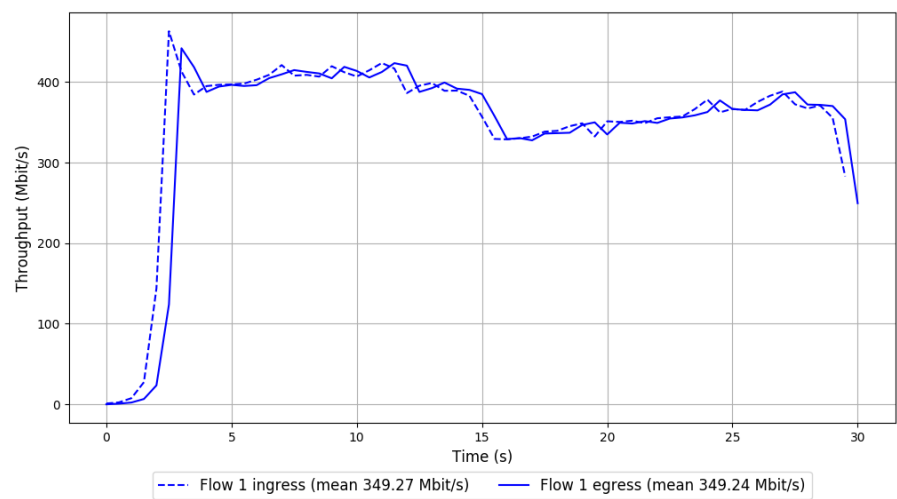


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-27 04:35:01
End at: 2018-07-27 04:35:31
Local clock offset: 0.331 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-27 07:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.24 Mbit/s
95th percentile per-packet one-way delay: 52.101 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 349.24 Mbit/s
95th percentile per-packet one-way delay: 52.101 ms
Loss rate: 0.34%

Run 7: Report of PCC-Vivace — Data Link

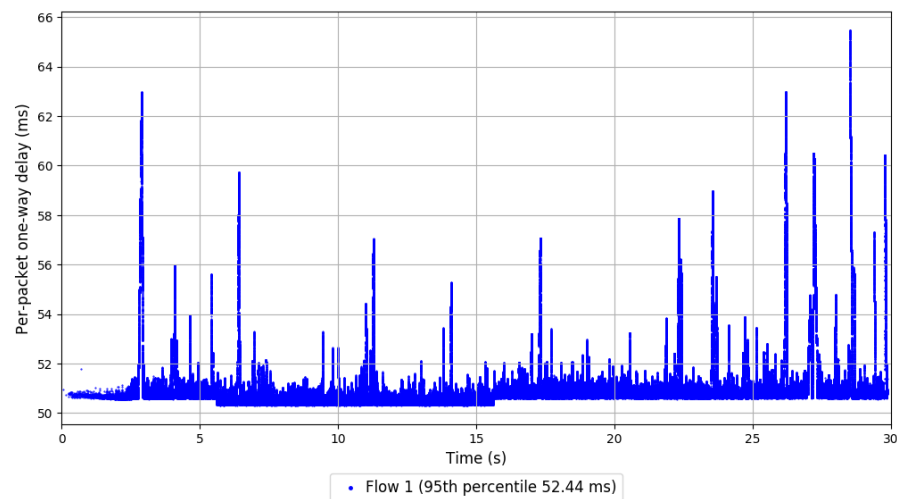
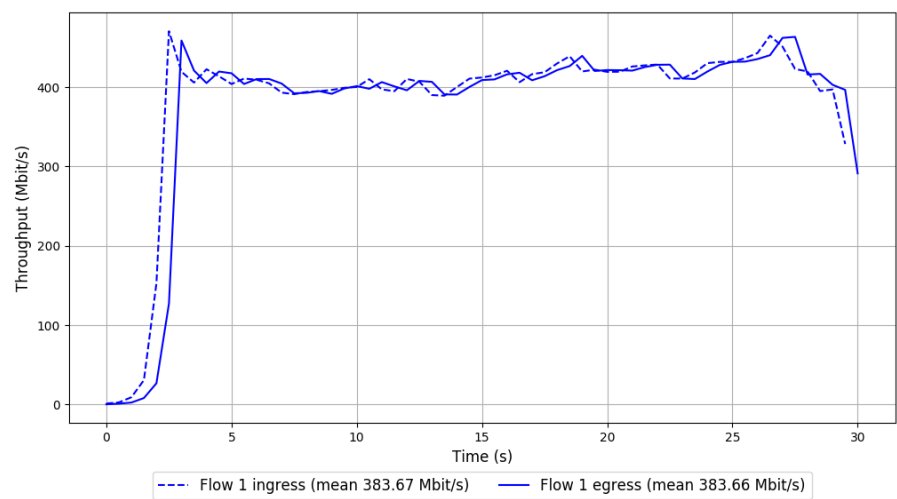


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-27 04:56:44
End at: 2018-07-27 04:57:14
Local clock offset: -0.045 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-27 07:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.66 Mbit/s
95th percentile per-packet one-way delay: 52.438 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 383.66 Mbit/s
95th percentile per-packet one-way delay: 52.438 ms
Loss rate: 0.34%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-27 05:18:36

End at: 2018-07-27 05:19:06

Local clock offset: -0.427 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-27 07:37:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.50 Mbit/s

95th percentile per-packet one-way delay: 52.152 ms

Loss rate: 0.48%

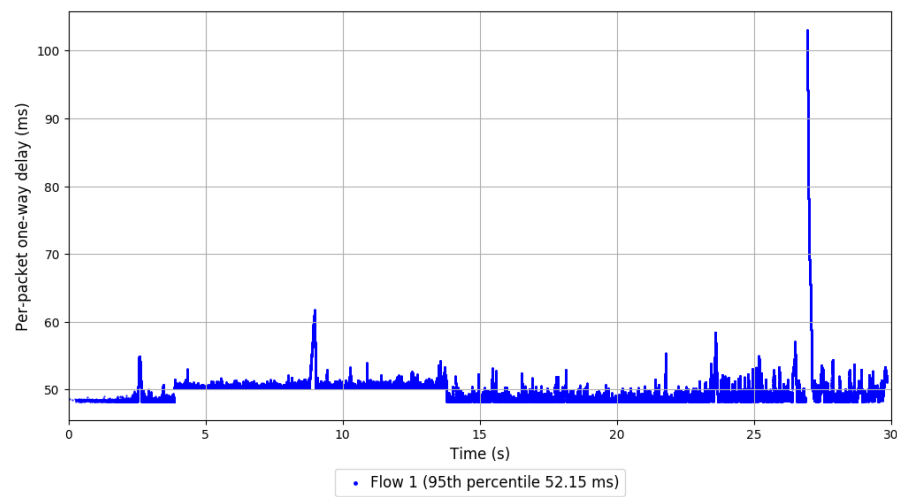
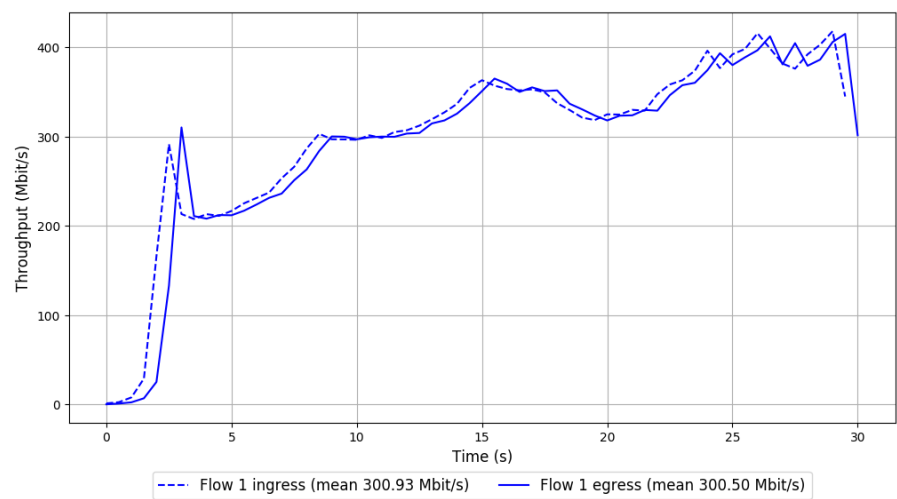
-- Flow 1:

Average throughput: 300.50 Mbit/s

95th percentile per-packet one-way delay: 52.152 ms

Loss rate: 0.48%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-27 05:40:16

End at: 2018-07-27 05:40:46

Local clock offset: 0.297 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-27 07:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.73 Mbit/s

95th percentile per-packet one-way delay: 50.995 ms

Loss rate: 0.35%

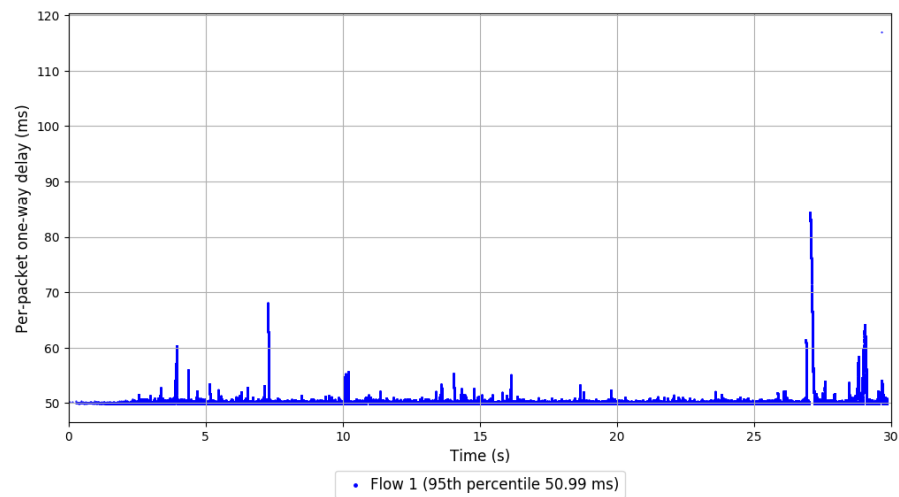
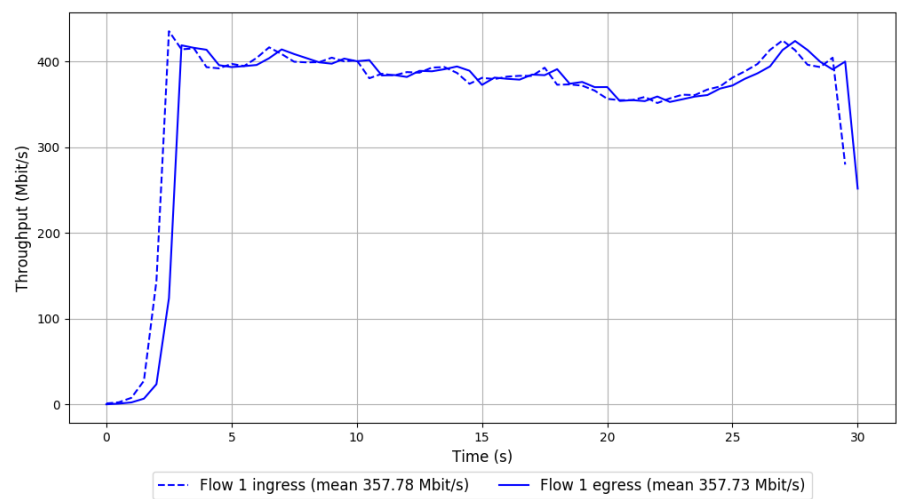
-- Flow 1:

Average throughput: 357.73 Mbit/s

95th percentile per-packet one-way delay: 50.995 ms

Loss rate: 0.35%

Run 10: Report of PCC-Vivace — Data Link

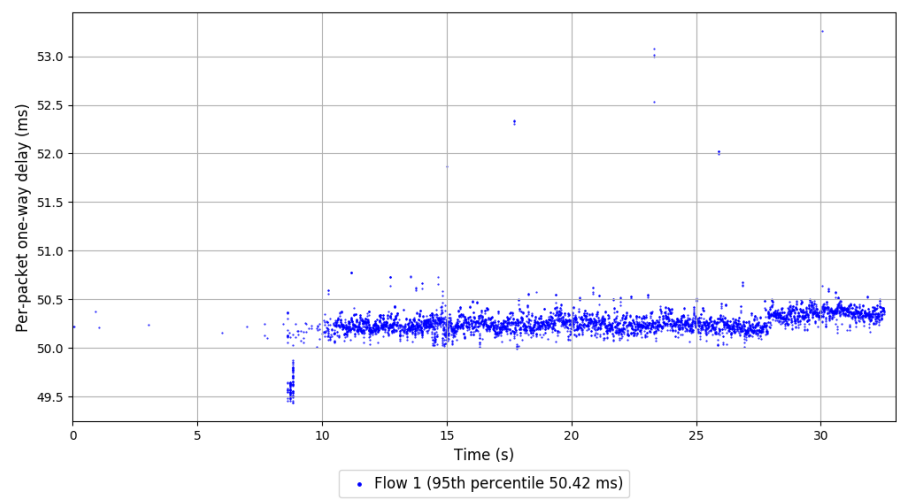
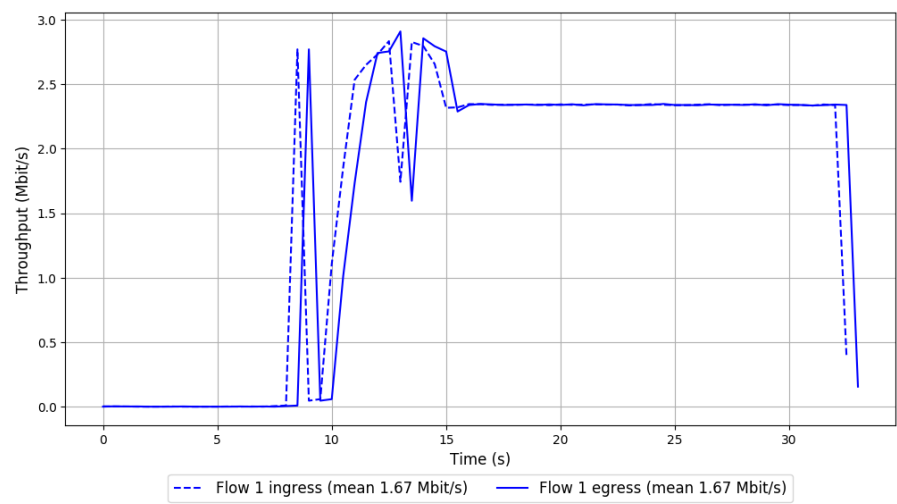


Run 1: Statistics of WebRTC media

Start at: 2018-07-27 02:14:15
End at: 2018-07-27 02:14:45
Local clock offset: -0.454 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.43%

Run 1: Report of WebRTC media — Data Link

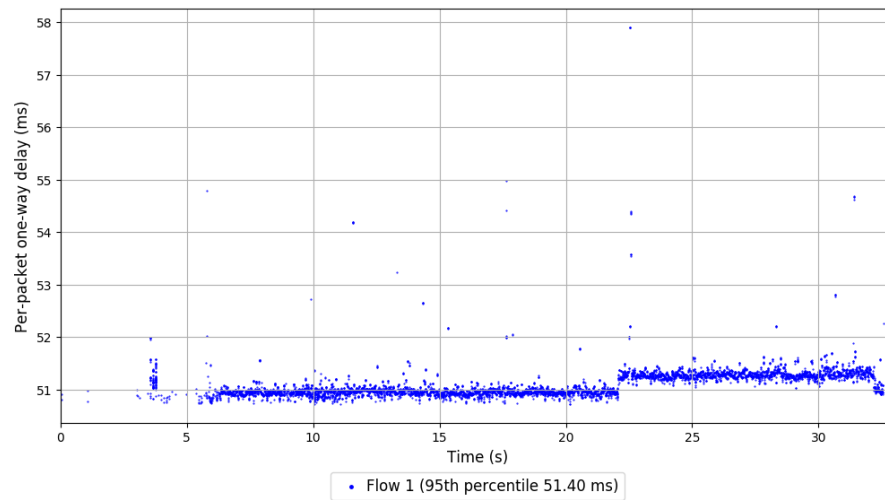
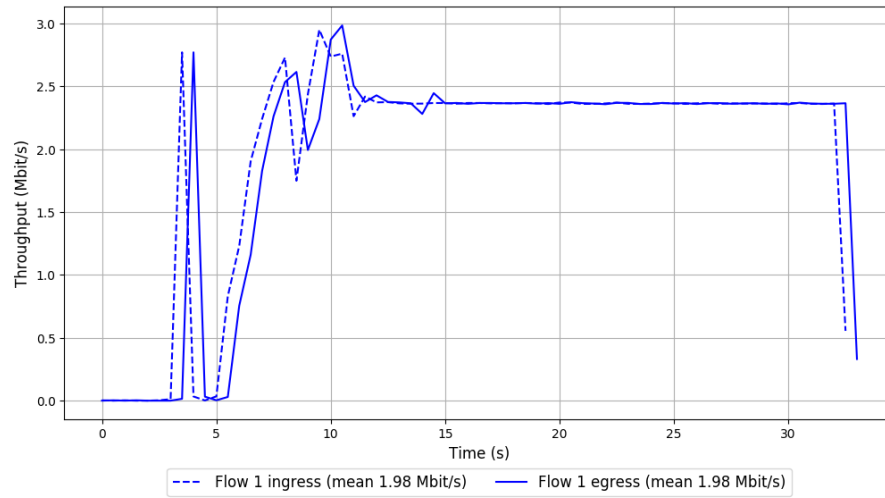


Run 2: Statistics of WebRTC media

Start at: 2018-07-27 02:35:51
End at: 2018-07-27 02:36:21
Local clock offset: 0.275 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 51.400 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 51.400 ms
Loss rate: 0.35%

Run 2: Report of WebRTC media — Data Link

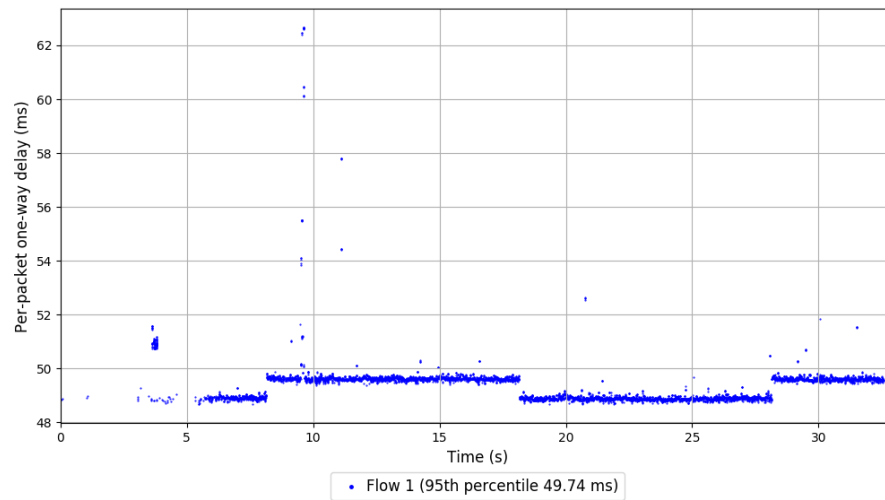
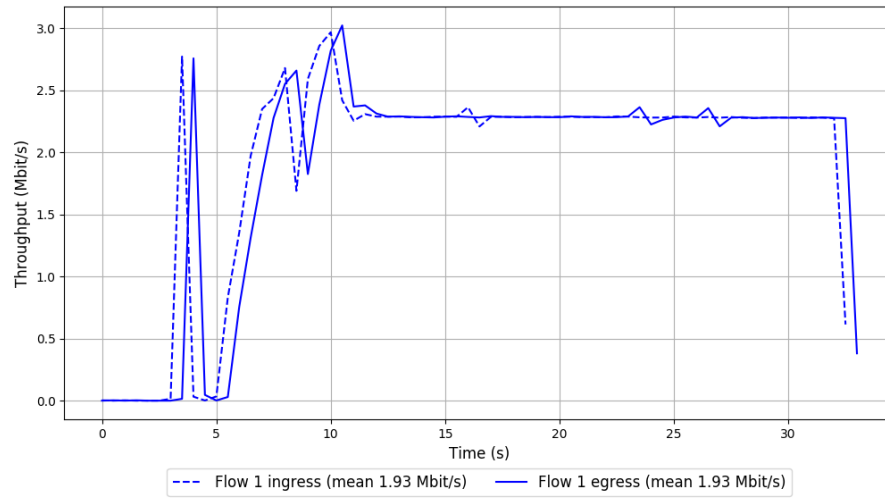


Run 3: Statistics of WebRTC media

Start at: 2018-07-27 02:57:14
End at: 2018-07-27 02:57:44
Local clock offset: -0.002 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 49.745 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 49.745 ms
Loss rate: 0.37%

Run 3: Report of WebRTC media — Data Link

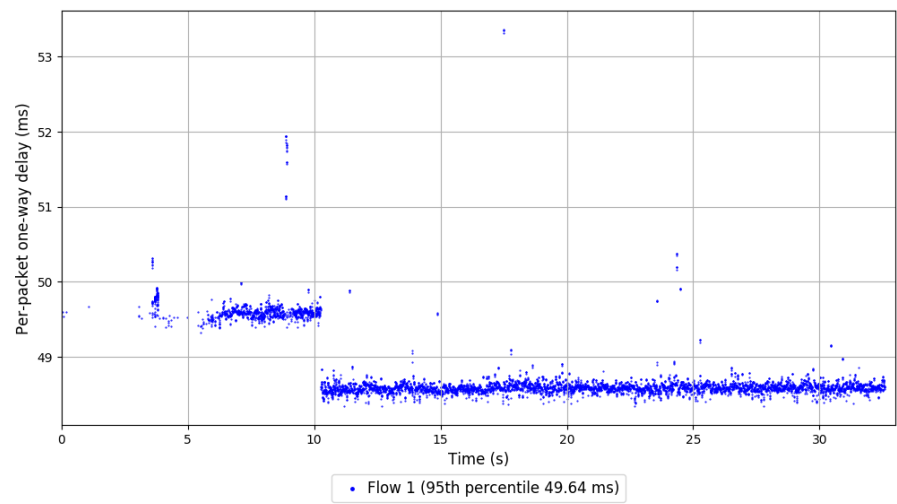
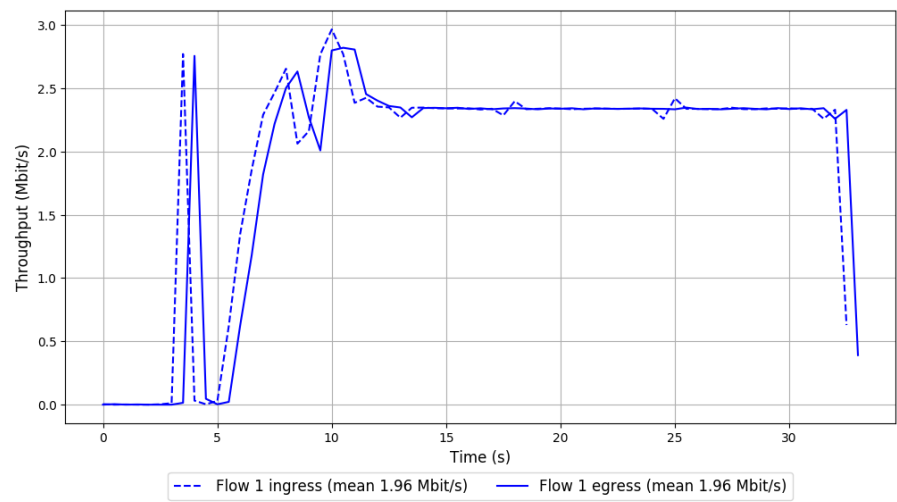


Run 4: Statistics of WebRTC media

Start at: 2018-07-27 03:19:22
End at: 2018-07-27 03:19:52
Local clock offset: -0.412 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 49.637 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 49.637 ms
Loss rate: 0.37%

Run 4: Report of WebRTC media — Data Link

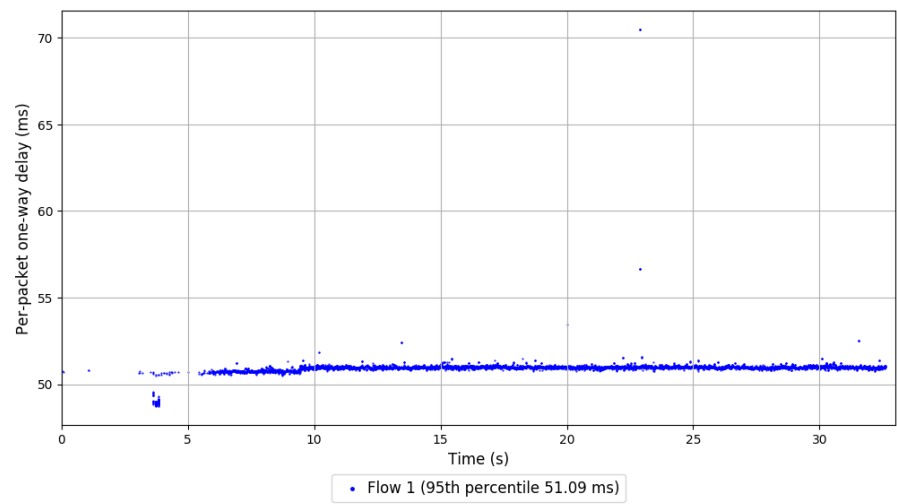
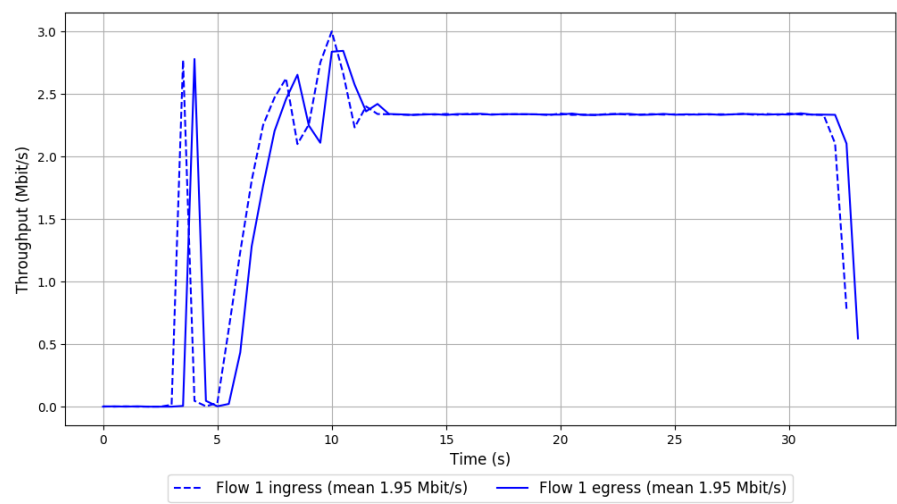


Run 5: Statistics of WebRTC media

Start at: 2018-07-27 03:41:03
End at: 2018-07-27 03:41:33
Local clock offset: -0.168 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 51.095 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 51.095 ms
Loss rate: 0.37%

Run 5: Report of WebRTC media — Data Link

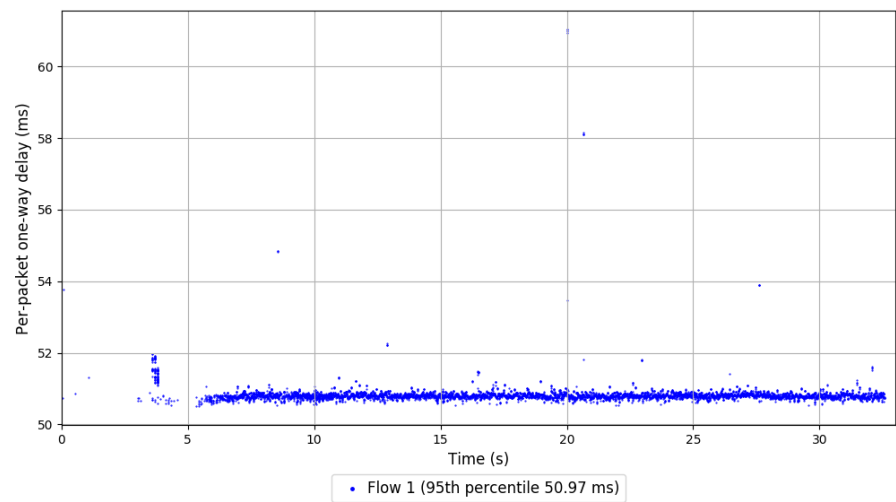
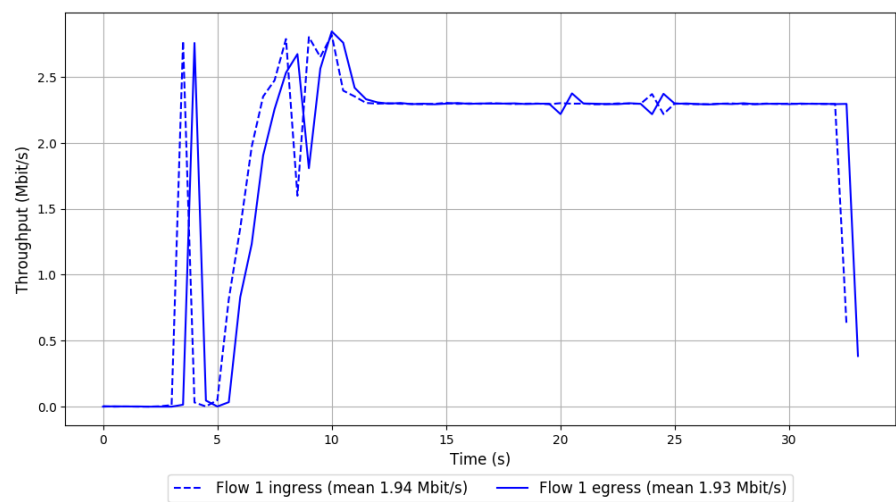


Run 6: Statistics of WebRTC media

Start at: 2018-07-27 04:02:45
End at: 2018-07-27 04:03:15
Local clock offset: 0.307 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.966 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.966 ms
Loss rate: 0.37%

Run 6: Report of WebRTC media — Data Link

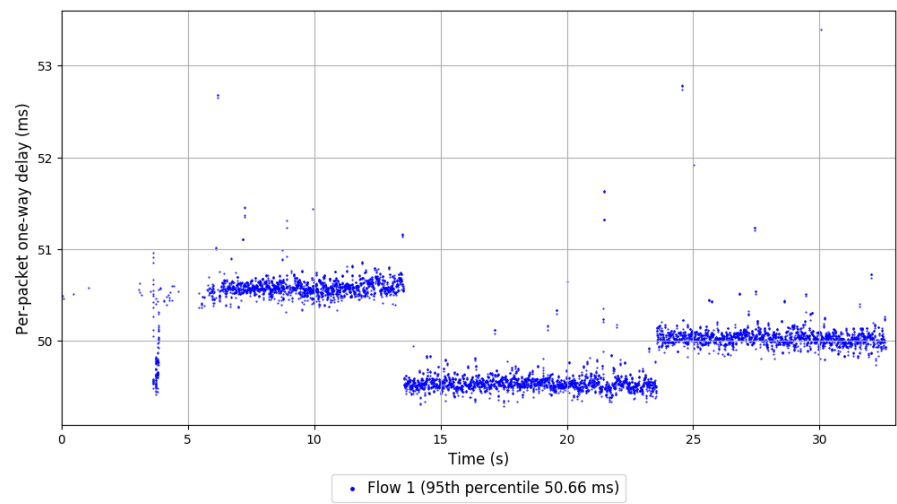
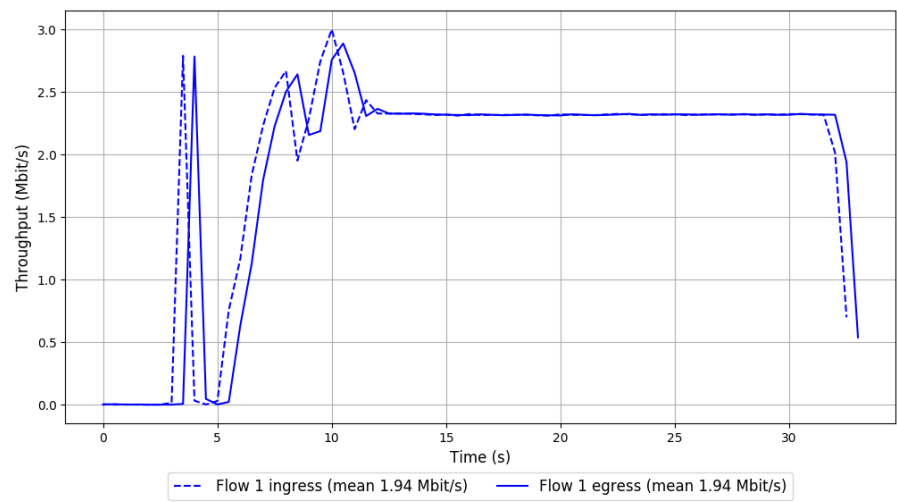


Run 7: Statistics of WebRTC media

Start at: 2018-07-27 04:24:29
End at: 2018-07-27 04:24:59
Local clock offset: -0.412 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.37%

Run 7: Report of WebRTC media — Data Link

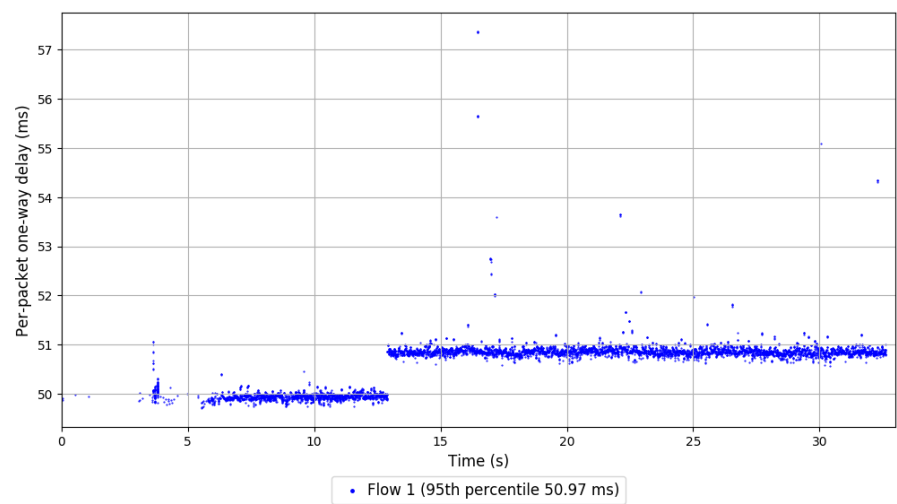
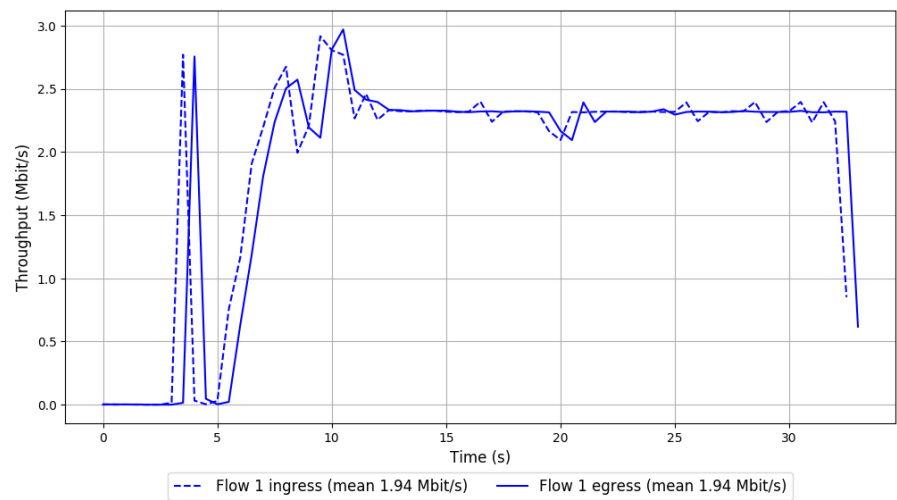


Run 8: Statistics of WebRTC media

Start at: 2018-07-27 04:46:20
End at: 2018-07-27 04:46:50
Local clock offset: -0.065 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-27 07:37:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.973 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.973 ms
Loss rate: 0.37%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-27 05:08:11

End at: 2018-07-27 05:08:41

Local clock offset: -0.025 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-27 07:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 51.148 ms

Loss rate: 0.36%

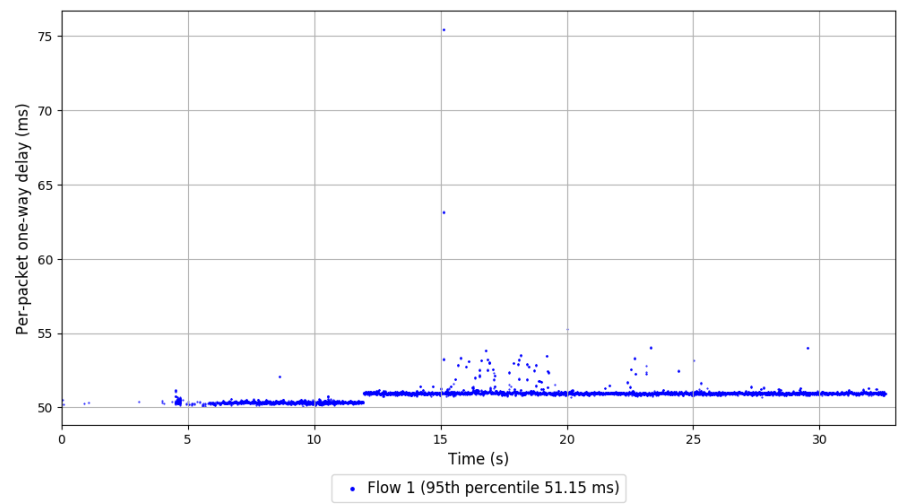
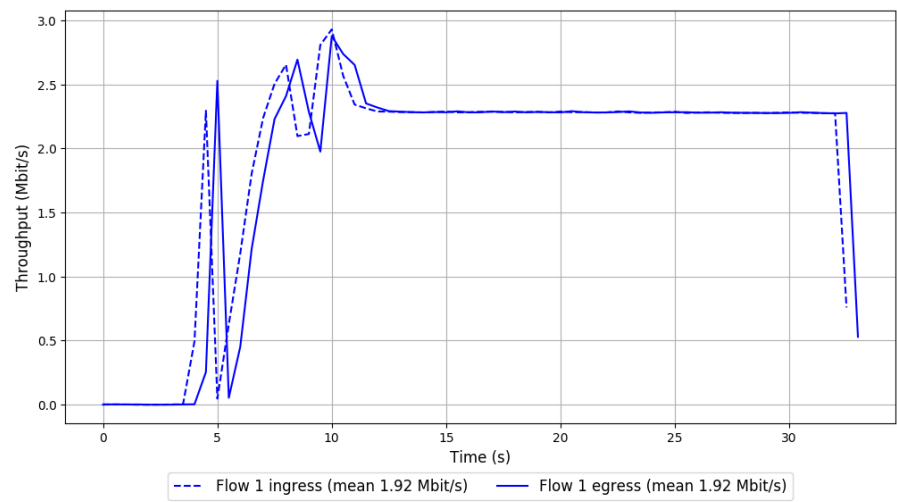
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 51.148 ms

Loss rate: 0.36%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-27 05:29:49

End at: 2018-07-27 05:30:19

Local clock offset: -0.022 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-27 07:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 51.062 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 51.062 ms

Loss rate: 0.37%

Run 10: Report of WebRTC media — Data Link

