

Pantheon Report

Generated at 2018-07-17 15:06:12 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

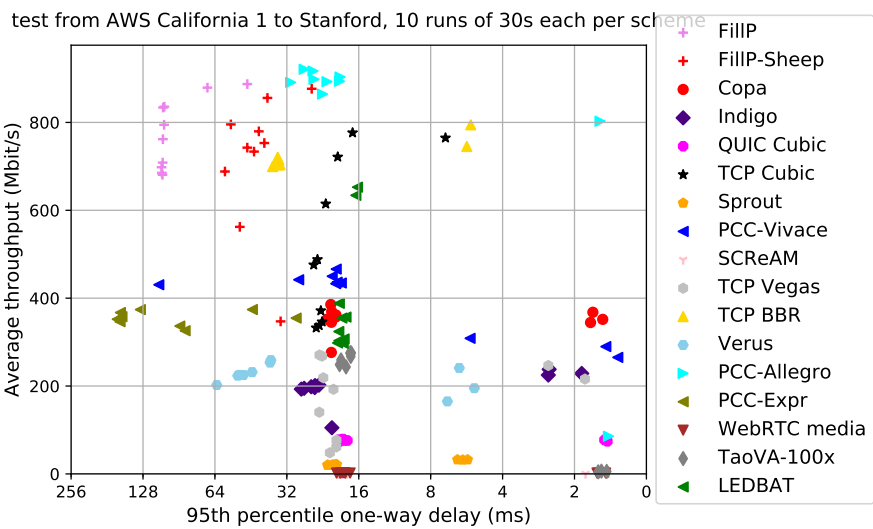
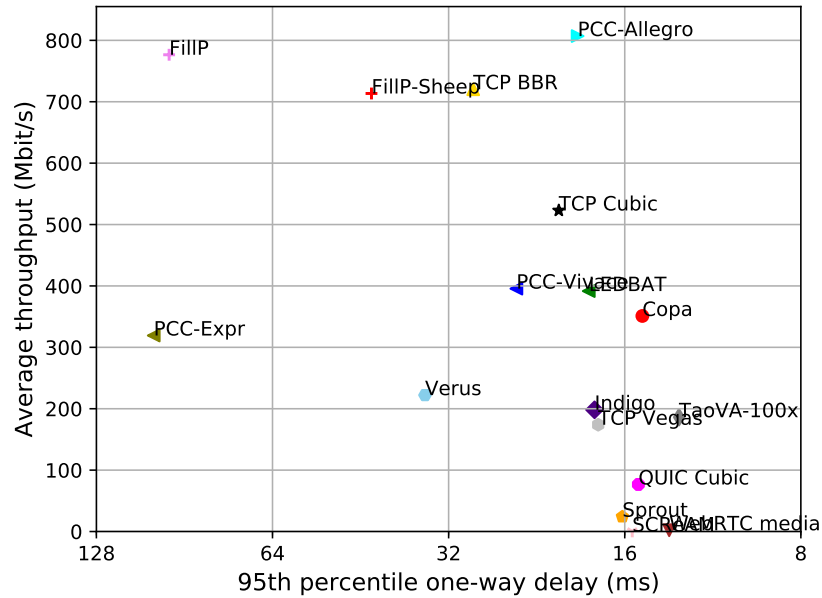
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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 AWS California 1 to Stanford, 10 runs of 30s each per scheme
(mean of all runs by scheme)



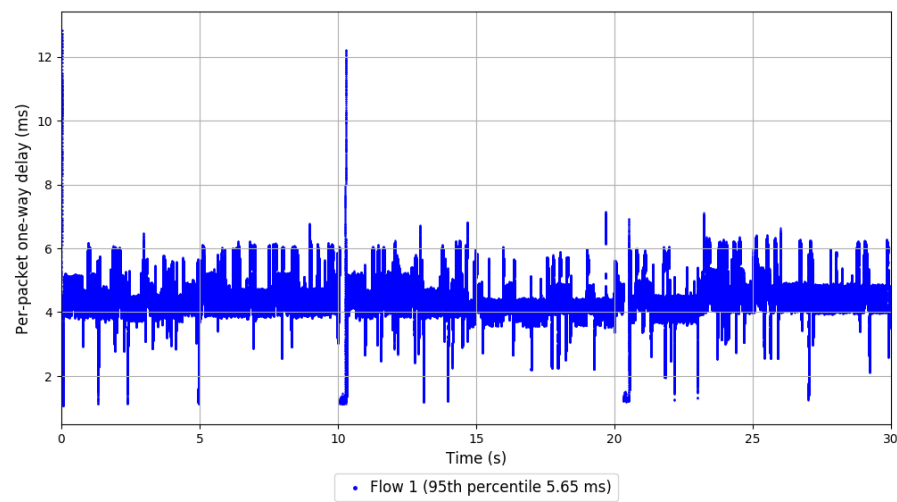
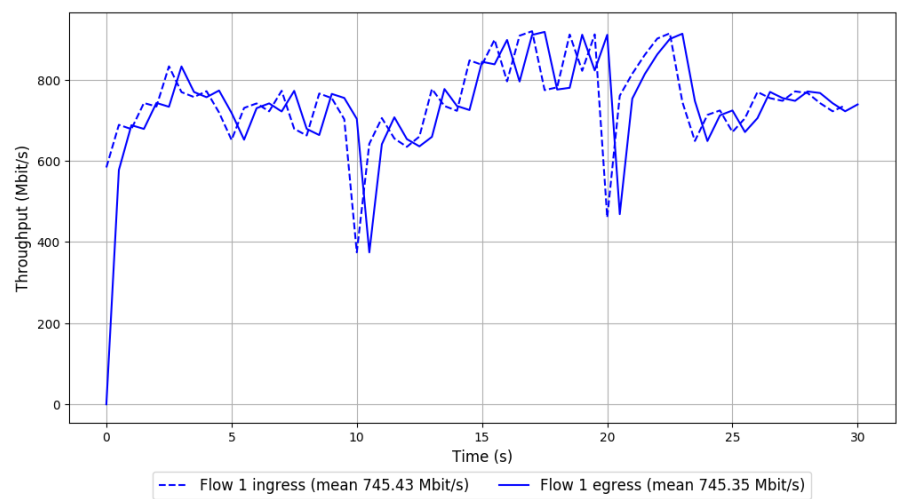
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	720.38	29.05	0.35
Copa	10	351.11	14.93	0.09
TCP Cubic	10	522.92	20.74	0.10
FillP	10	776.52	96.13	3.95
FillP-Sheep	10	713.47	43.35	7.71
Indigo	10	198.23	18.02	0.04
LEDBAT	10	391.63	18.44	0.03
PCC-Allegro	10	807.00	19.26	0.34
PCC-Expr	10	319.26	102.15	0.82
QUIC Cubic	10	76.66	15.16	0.01
SCReAM	10	0.22	15.53	0.00
Sprout	10	24.13	16.15	0.03
TaoVA-100x	10	186.18	12.93	0.01
TCP Vegas	10	173.91	17.76	0.12
Verus	10	222.17	35.12	14.18
PCC-Vivace	10	395.60	24.51	0.02
WebRTC media	10	2.05	13.43	0.13

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 09:14:18
End at: 2018-07-17 09:14:48
Local clock offset: -12.205 ms
Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-07-17 13:28:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 745.35 Mbit/s
95th percentile per-packet one-way delay: 5.646 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 745.35 Mbit/s
95th percentile per-packet one-way delay: 5.646 ms
Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link

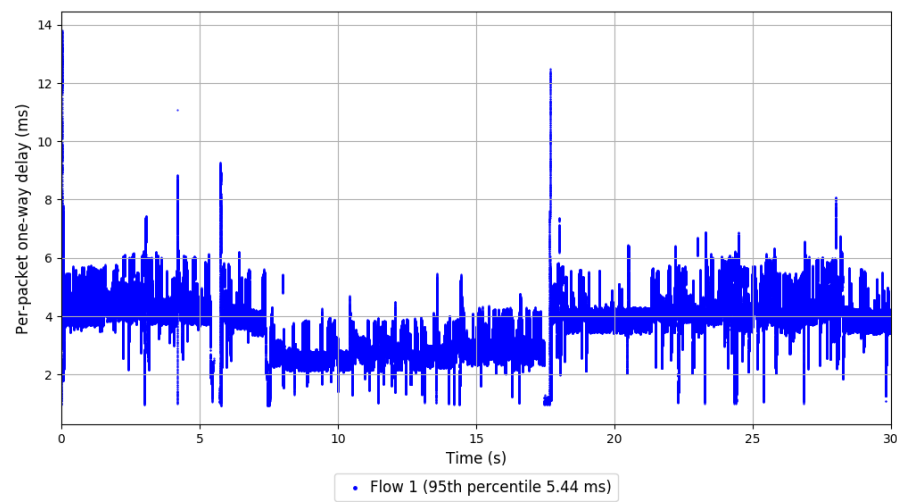
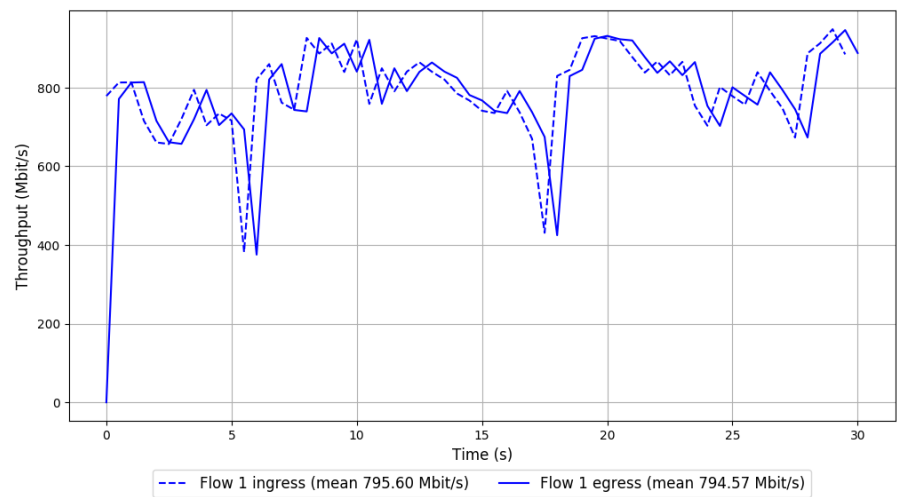


Run 2: Statistics of TCP BBR

Start at: 2018-07-17 09:39:35
End at: 2018-07-17 09:40:05
Local clock offset: -10.584 ms
Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-07-17 13:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.57 Mbit/s
95th percentile per-packet one-way delay: 5.437 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 794.57 Mbit/s
95th percentile per-packet one-way delay: 5.437 ms
Loss rate: 0.13%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-17 10:04:51

End at: 2018-07-17 10:05:21

Local clock offset: -9.783 ms

Remote clock offset: 0.966 ms

Below is generated by plot.py at 2018-07-17 13:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.69 Mbit/s

95th percentile per-packet one-way delay: 34.960 ms

Loss rate: 0.51%

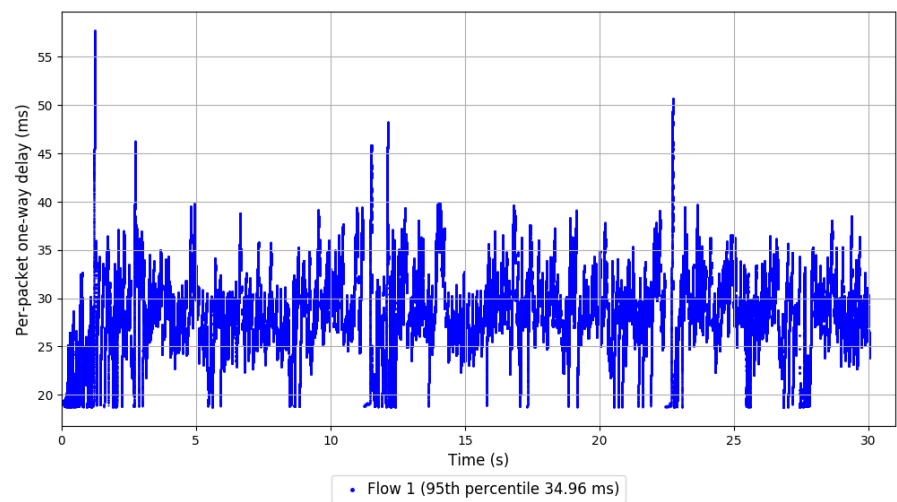
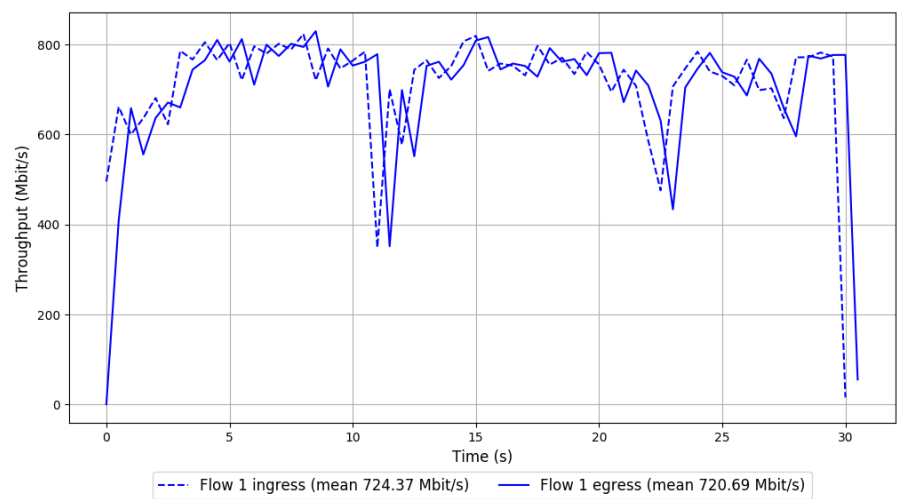
-- Flow 1:

Average throughput: 720.69 Mbit/s

95th percentile per-packet one-way delay: 34.960 ms

Loss rate: 0.51%

Run 3: Report of TCP BBR — Data Link

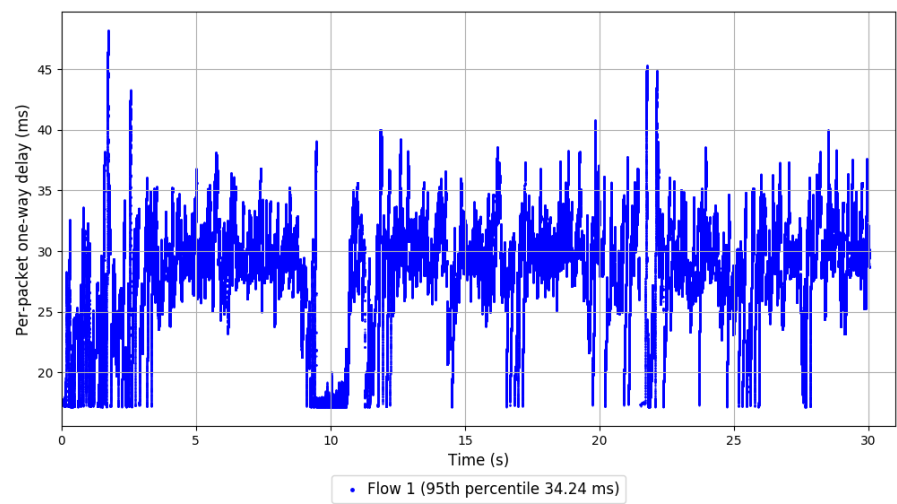
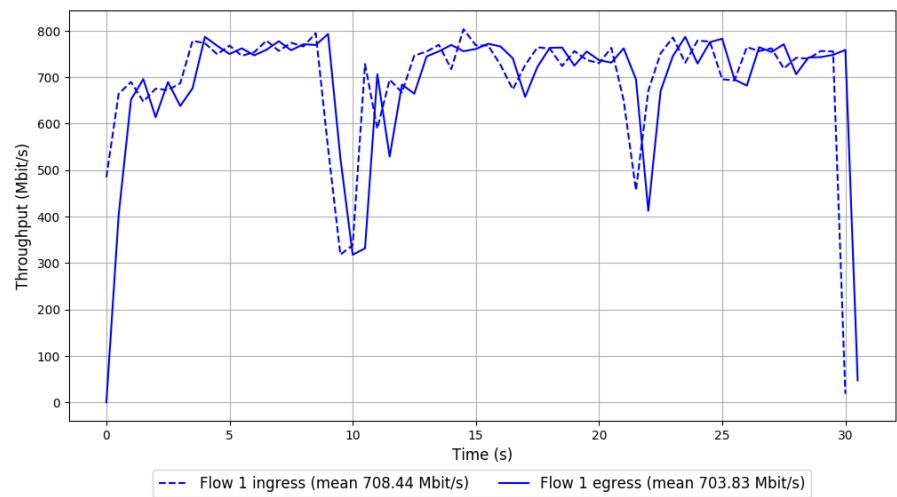


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 10:30:42
End at: 2018-07-17 10:31:12
Local clock offset: -11.815 ms
Remote clock offset: 1.122 ms

Below is generated by plot.py at 2018-07-17 13:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 703.83 Mbit/s
95th percentile per-packet one-way delay: 34.239 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 703.83 Mbit/s
95th percentile per-packet one-way delay: 34.239 ms
Loss rate: 0.65%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-17 10:56:15

End at: 2018-07-17 10:56:45

Local clock offset: -6.561 ms

Remote clock offset: 1.228 ms

Below is generated by plot.py at 2018-07-17 13:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 703.95 Mbit/s

95th percentile per-packet one-way delay: 35.059 ms

Loss rate: 0.27%

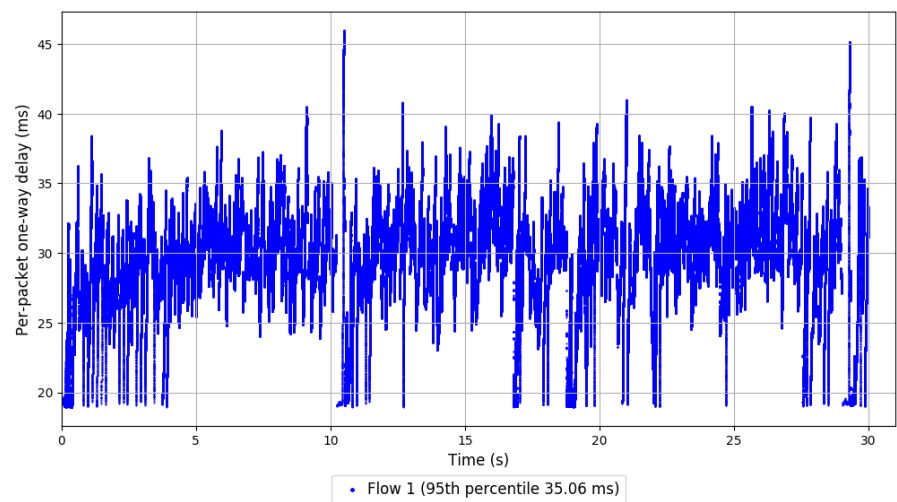
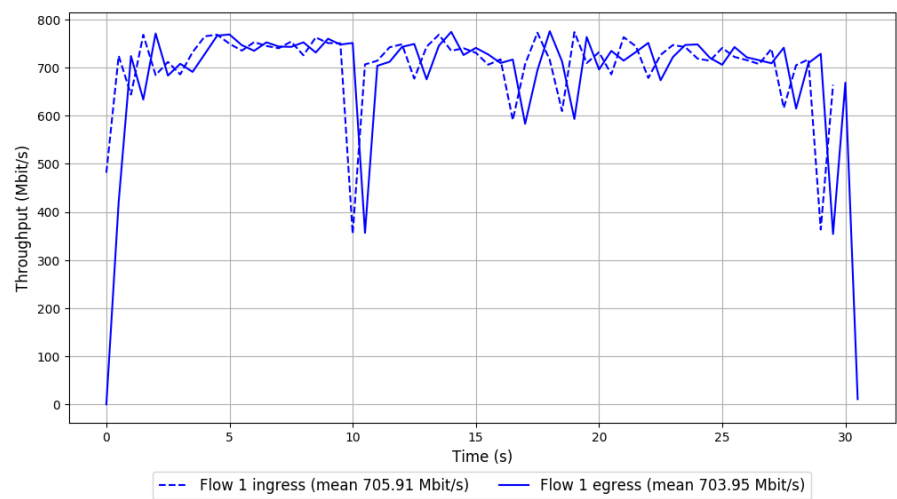
-- Flow 1:

Average throughput: 703.95 Mbit/s

95th percentile per-packet one-way delay: 35.059 ms

Loss rate: 0.27%

Run 5: Report of TCP BBR — Data Link

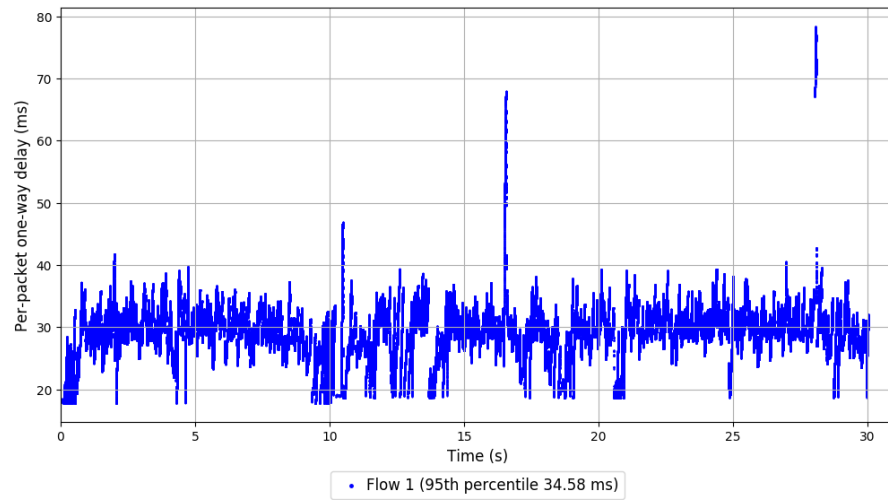
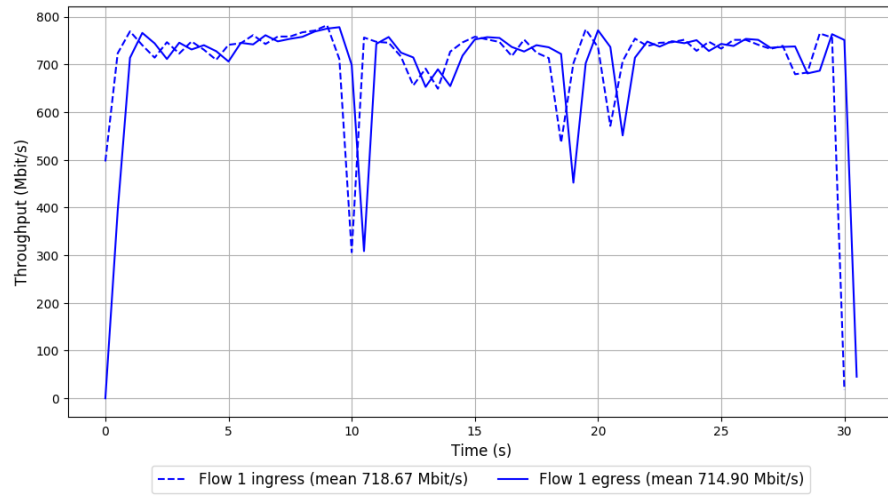


Run 6: Statistics of TCP BBR

Start at: 2018-07-17 11:21:48
End at: 2018-07-17 11:22:18
Local clock offset: -10.493 ms
Remote clock offset: 1.462 ms

Below is generated by plot.py at 2018-07-17 13:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 714.90 Mbit/s
95th percentile per-packet one-way delay: 34.575 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 714.90 Mbit/s
95th percentile per-packet one-way delay: 34.575 ms
Loss rate: 0.52%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-17 11:47:19

End at: 2018-07-17 11:47:49

Local clock offset: -8.893 ms

Remote clock offset: 1.704 ms

Below is generated by plot.py at 2018-07-17 13:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 699.56 Mbit/s

95th percentile per-packet one-way delay: 36.713 ms

Loss rate: 0.39%

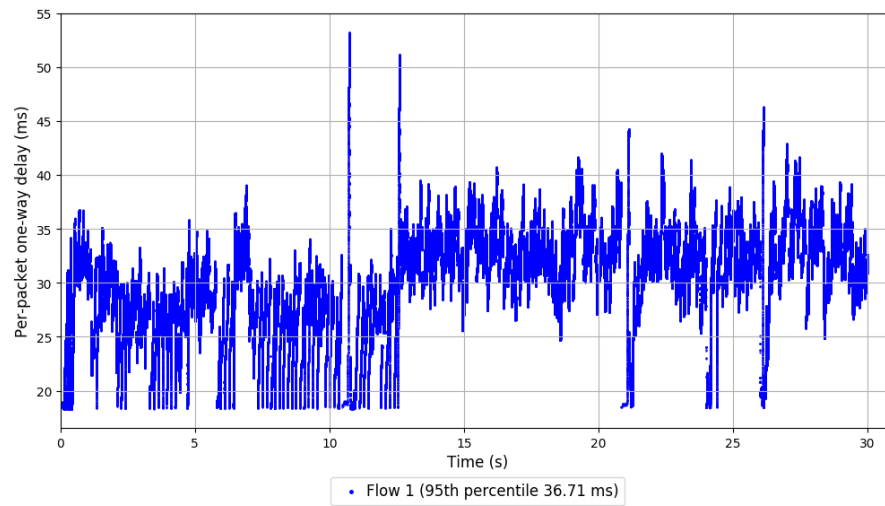
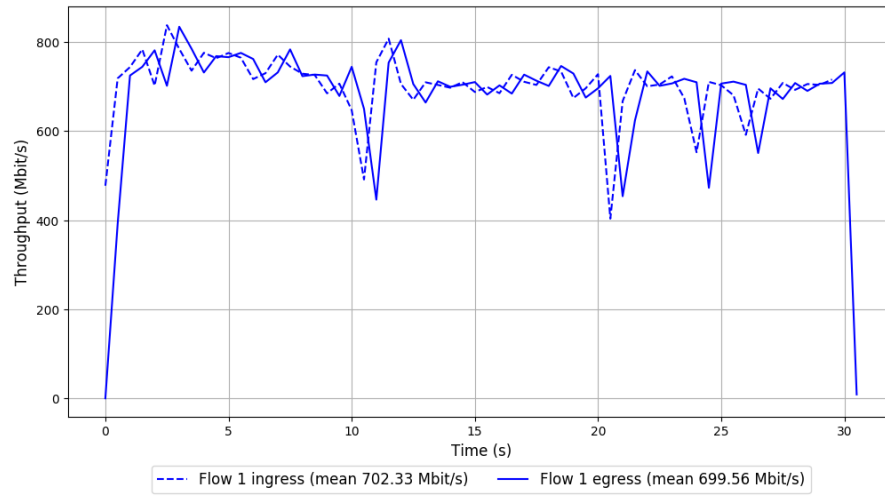
-- Flow 1:

Average throughput: 699.56 Mbit/s

95th percentile per-packet one-way delay: 36.713 ms

Loss rate: 0.39%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-17 12:12:54

End at: 2018-07-17 12:13:24

Local clock offset: -3.652 ms

Remote clock offset: 1.486 ms

Below is generated by plot.py at 2018-07-17 13:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 703.88 Mbit/s

95th percentile per-packet one-way delay: 34.922 ms

Loss rate: 0.37%

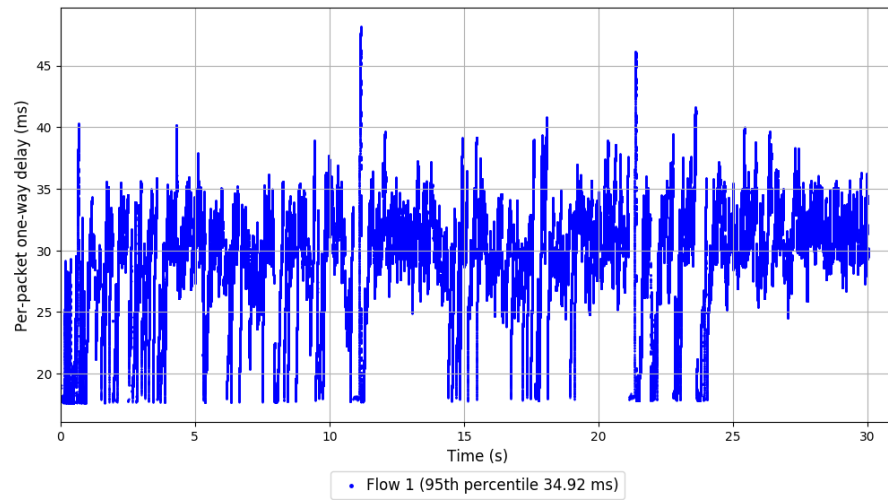
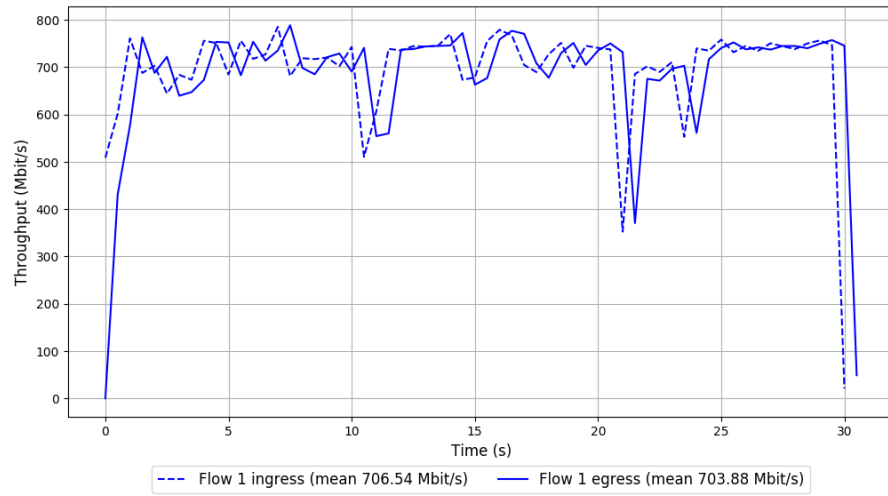
-- Flow 1:

Average throughput: 703.88 Mbit/s

95th percentile per-packet one-way delay: 34.922 ms

Loss rate: 0.37%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-17 12:38:28

End at: 2018-07-17 12:38:58

Local clock offset: 3.455 ms

Remote clock offset: 1.133 ms

Below is generated by plot.py at 2018-07-17 13:35:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 703.96 Mbit/s

95th percentile per-packet one-way delay: 34.194 ms

Loss rate: 0.49%

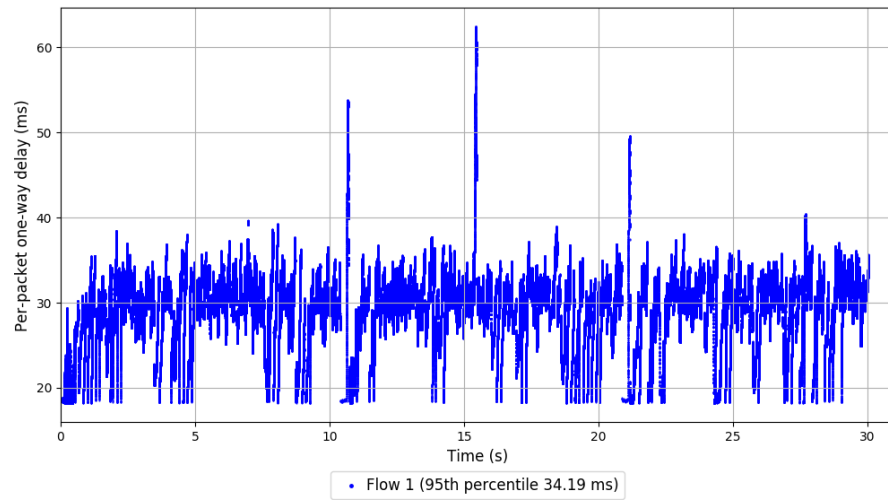
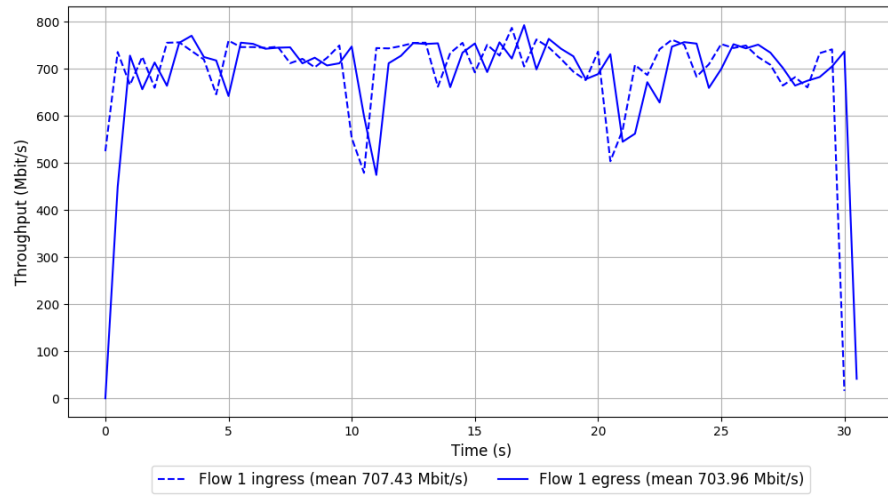
-- Flow 1:

Average throughput: 703.96 Mbit/s

95th percentile per-packet one-way delay: 34.194 ms

Loss rate: 0.49%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-17 13:03:56

End at: 2018-07-17 13:04:26

Local clock offset: 1.685 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2018-07-17 13:36:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 713.07 Mbit/s

95th percentile per-packet one-way delay: 34.748 ms

Loss rate: 0.16%

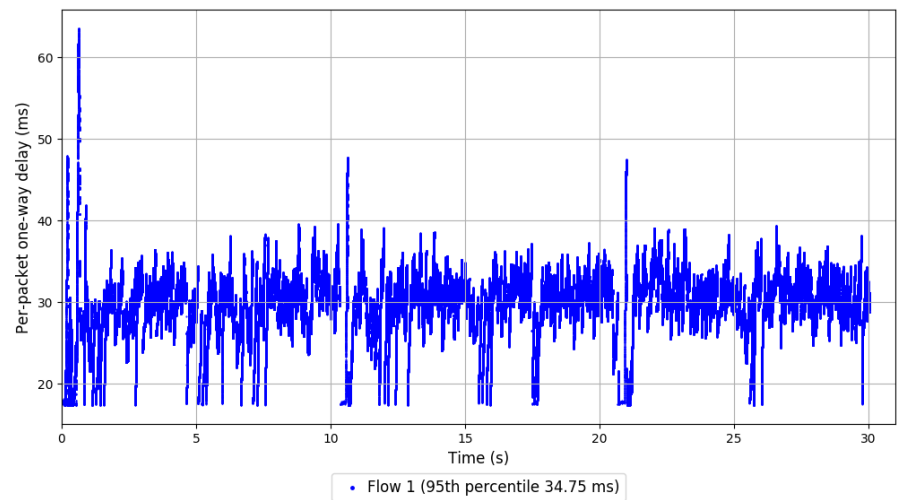
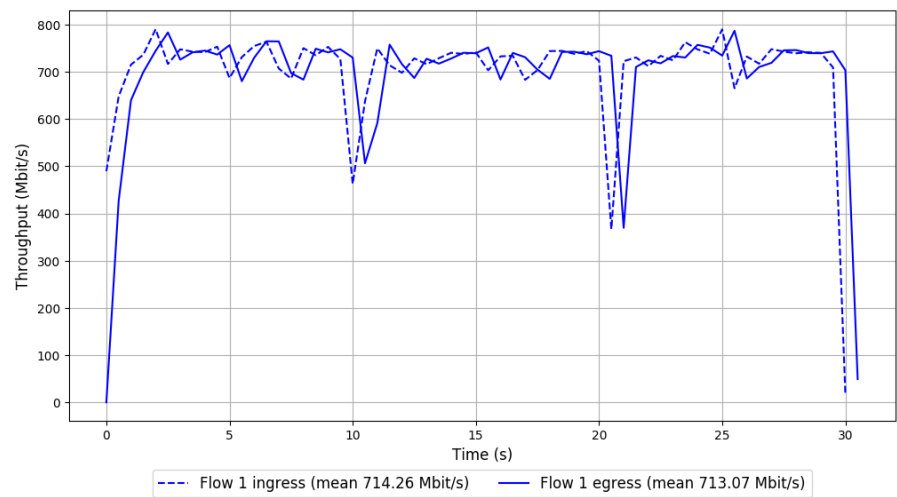
-- Flow 1:

Average throughput: 713.07 Mbit/s

95th percentile per-packet one-way delay: 34.748 ms

Loss rate: 0.16%

Run 10: Report of TCP BBR — Data Link

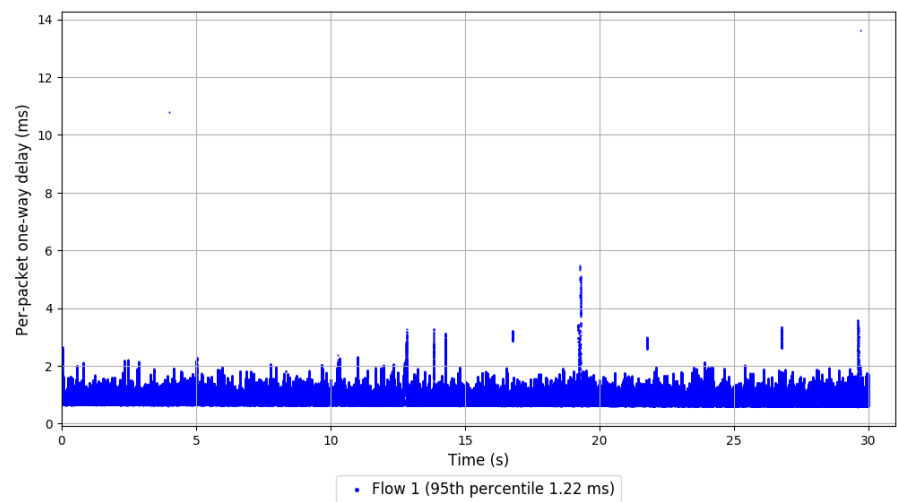
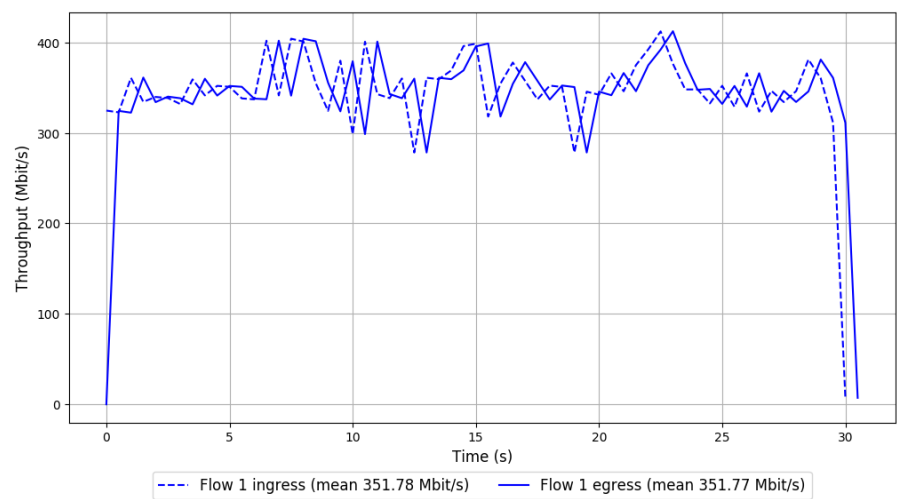


Run 1: Statistics of Copa

Start at: 2018-07-17 08:54:45
End at: 2018-07-17 08:55:15
Local clock offset: -12.624 ms
Remote clock offset: 0.457 ms

Below is generated by plot.py at 2018-07-17 13:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.77 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.77 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

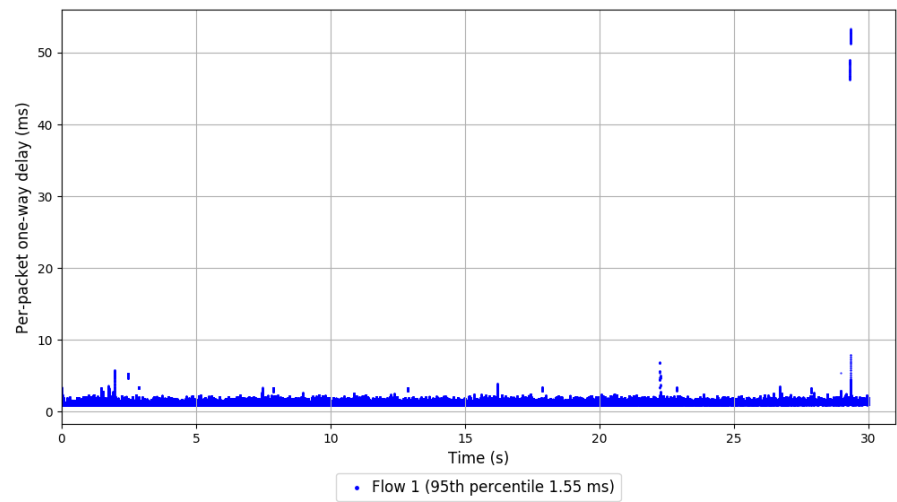
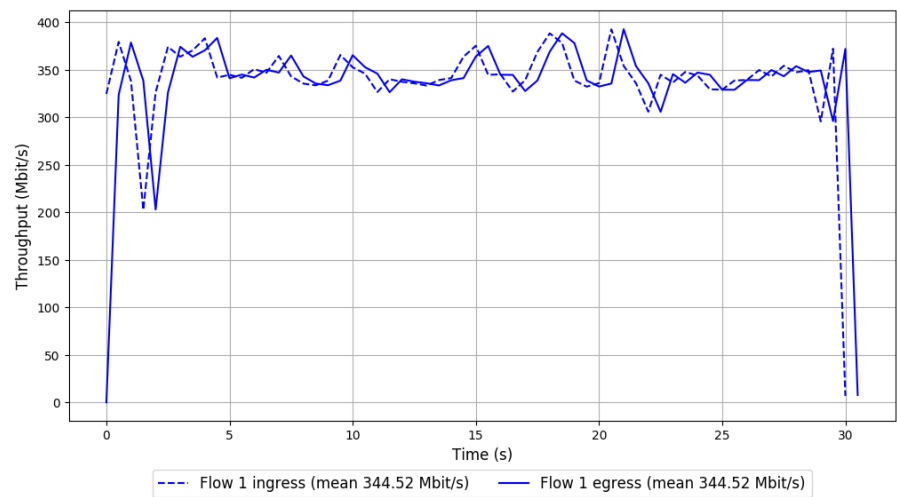


Run 2: Statistics of Copa

Start at: 2018-07-17 09:19:54
End at: 2018-07-17 09:20:24
Local clock offset: -10.58 ms
Remote clock offset: 0.533 ms

Below is generated by plot.py at 2018-07-17 13:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.52 Mbit/s
95th percentile per-packet one-way delay: 1.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 344.52 Mbit/s
95th percentile per-packet one-way delay: 1.554 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

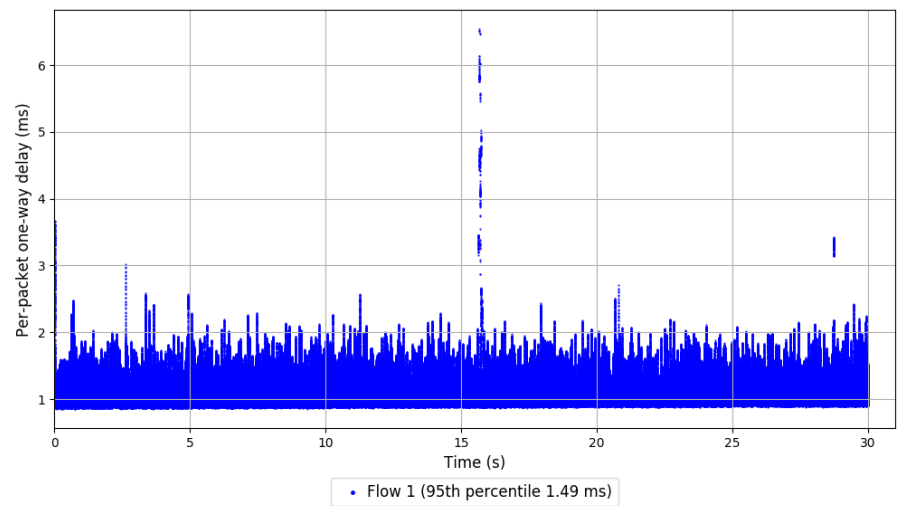
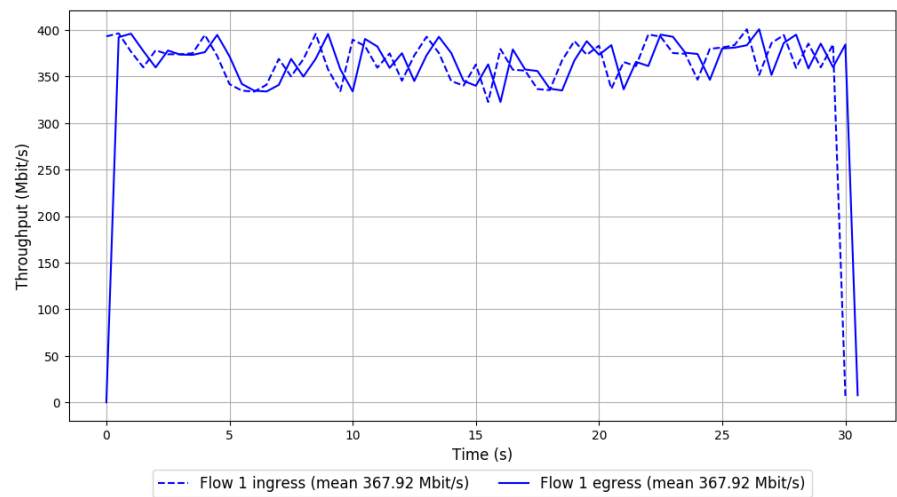


Run 3: Statistics of Copa

Start at: 2018-07-17 09:45:13
End at: 2018-07-17 09:45:43
Local clock offset: -9.724 ms
Remote clock offset: 0.828 ms

Below is generated by plot.py at 2018-07-17 13:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.92 Mbit/s
95th percentile per-packet one-way delay: 1.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 367.92 Mbit/s
95th percentile per-packet one-way delay: 1.489 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

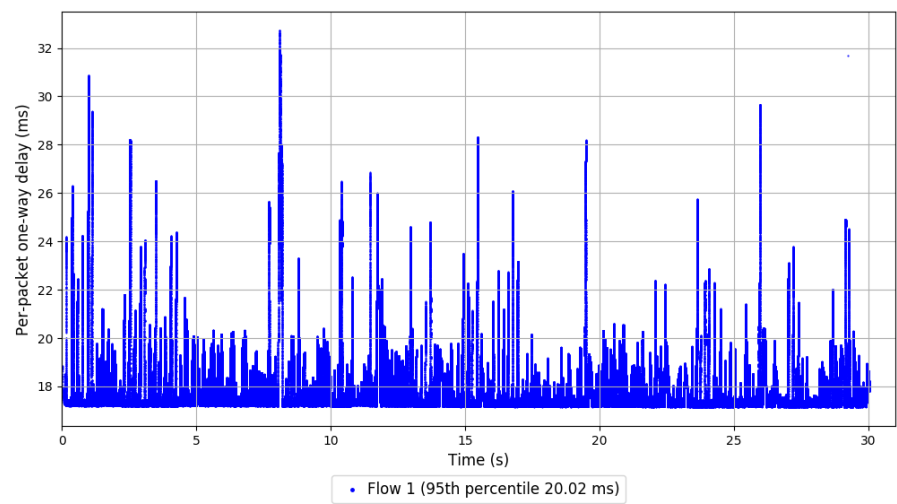
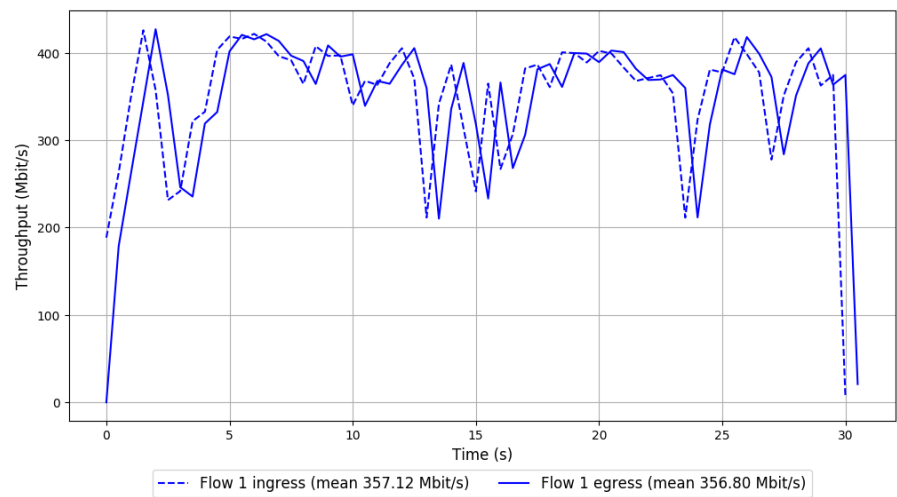


Run 4: Statistics of Copa

Start at: 2018-07-17 10:10:34
End at: 2018-07-17 10:11:04
Local clock offset: -10.242 ms
Remote clock offset: 1.055 ms

Below is generated by plot.py at 2018-07-17 13:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.80 Mbit/s
95th percentile per-packet one-way delay: 20.019 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 356.80 Mbit/s
95th percentile per-packet one-way delay: 20.019 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link

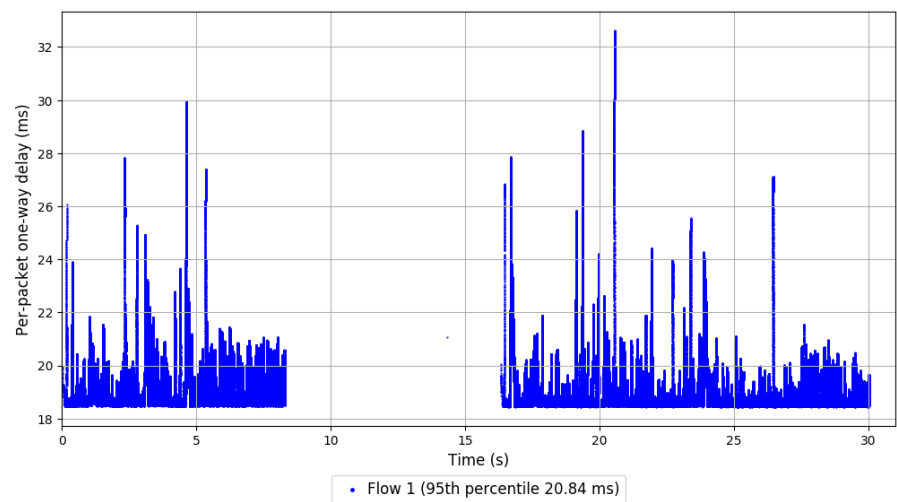
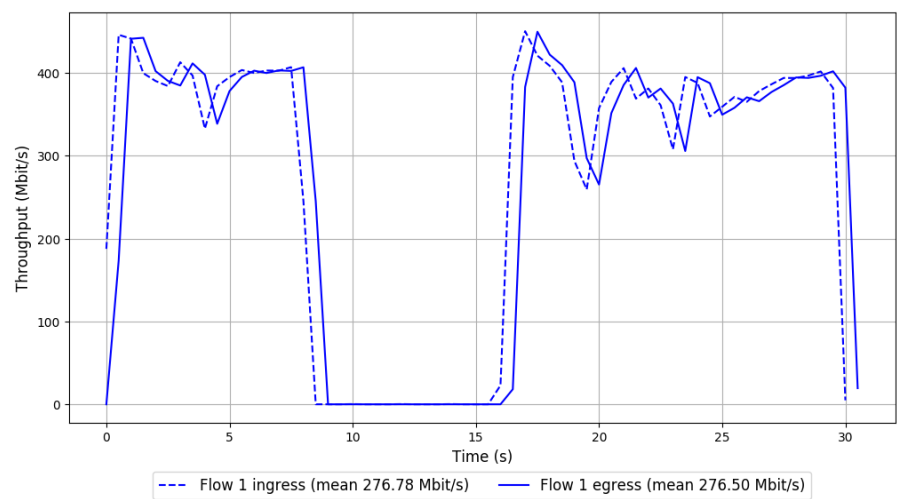


Run 5: Statistics of Copa

Start at: 2018-07-17 10:36:22
End at: 2018-07-17 10:36:52
Local clock offset: -12.168 ms
Remote clock offset: 1.049 ms

Below is generated by plot.py at 2018-07-17 13:36:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.50 Mbit/s
95th percentile per-packet one-way delay: 20.842 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 276.50 Mbit/s
95th percentile per-packet one-way delay: 20.842 ms
Loss rate: 0.10%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-17 11:01:50

End at: 2018-07-17 11:02:20

Local clock offset: -6.071 ms

Remote clock offset: 1.246 ms

Below is generated by plot.py at 2018-07-17 13:37:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.58 Mbit/s

95th percentile per-packet one-way delay: 20.949 ms

Loss rate: 0.08%

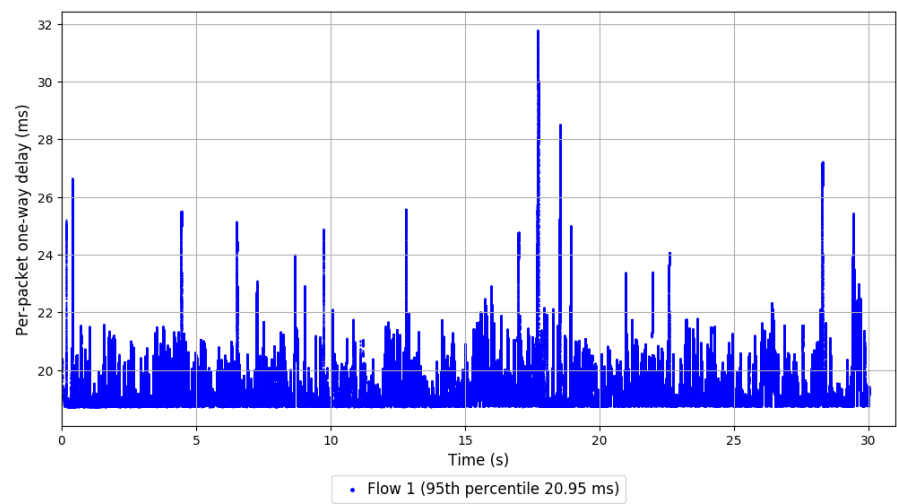
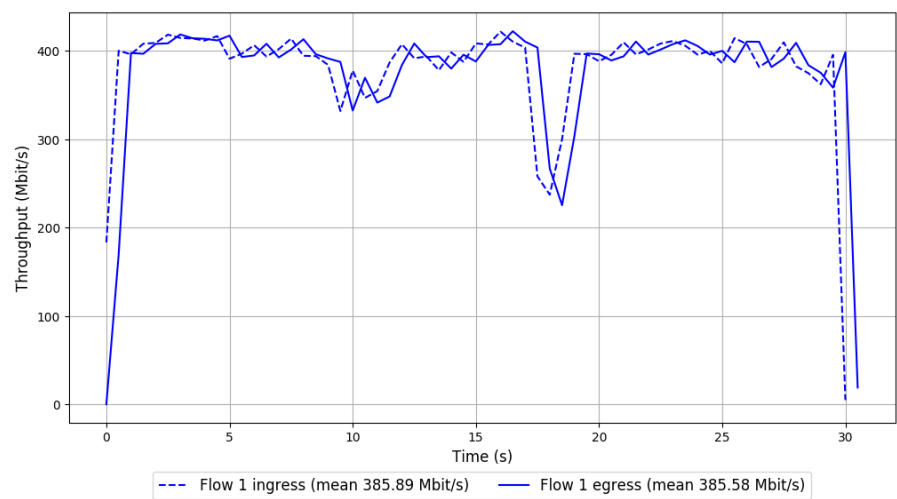
-- Flow 1:

Average throughput: 385.58 Mbit/s

95th percentile per-packet one-way delay: 20.949 ms

Loss rate: 0.08%

Run 6: Report of Copa — Data Link

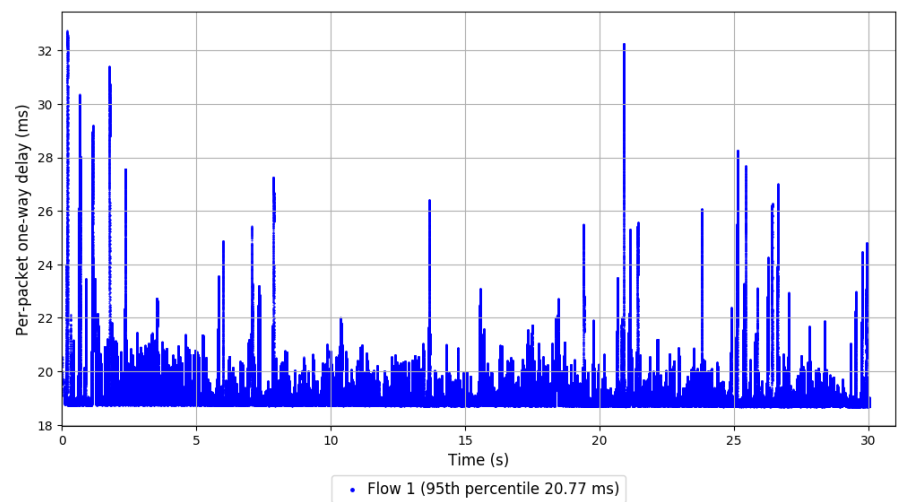
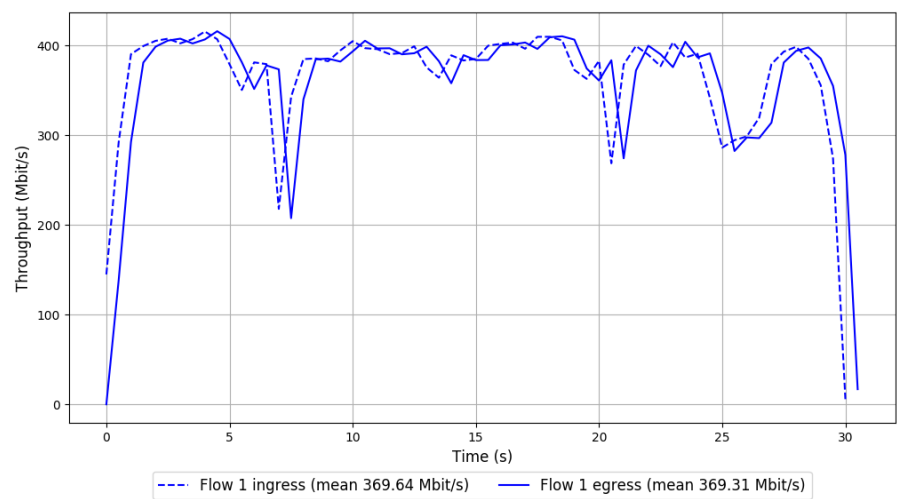


Run 7: Statistics of Copa

Start at: 2018-07-17 11:27:30
End at: 2018-07-17 11:28:00
Local clock offset: -11.385 ms
Remote clock offset: 1.517 ms

Below is generated by plot.py at 2018-07-17 13:42:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.31 Mbit/s
95th percentile per-packet one-way delay: 20.768 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 369.31 Mbit/s
95th percentile per-packet one-way delay: 20.768 ms
Loss rate: 0.09%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-17 11:52:57

End at: 2018-07-17 11:53:27

Local clock offset: -7.541 ms

Remote clock offset: 1.611 ms

Below is generated by plot.py at 2018-07-17 13:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.12 Mbit/s

95th percentile per-packet one-way delay: 20.827 ms

Loss rate: 0.15%

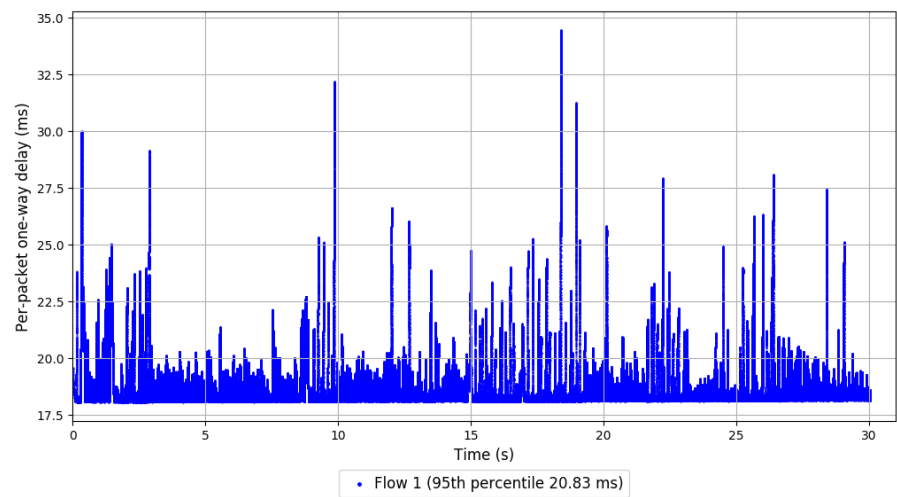
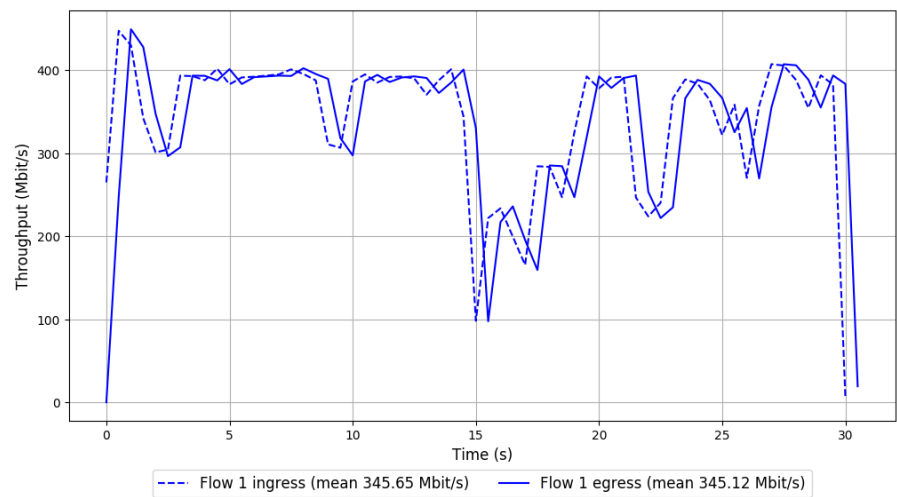
-- Flow 1:

Average throughput: 345.12 Mbit/s

95th percentile per-packet one-way delay: 20.827 ms

Loss rate: 0.15%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-17 12:18:32

End at: 2018-07-17 12:19:02

Local clock offset: -0.947 ms

Remote clock offset: 1.386 ms

Below is generated by plot.py at 2018-07-17 13:43:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.94 Mbit/s

95th percentile per-packet one-way delay: 21.692 ms

Loss rate: 0.19%

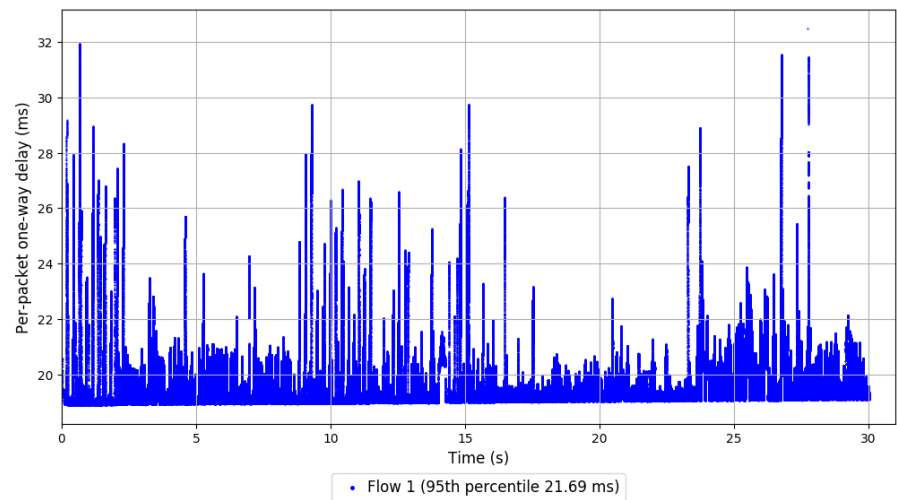
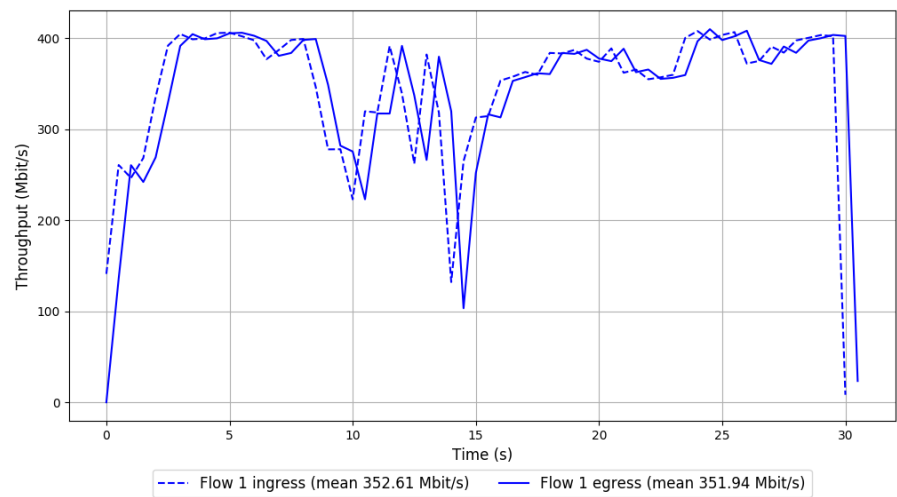
-- Flow 1:

Average throughput: 351.94 Mbit/s

95th percentile per-packet one-way delay: 21.692 ms

Loss rate: 0.19%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-17 12:44:05

End at: 2018-07-17 12:44:35

Local clock offset: 2.464 ms

Remote clock offset: 0.89 ms

Below is generated by plot.py at 2018-07-17 13:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.65 Mbit/s

95th percentile per-packet one-way delay: 19.929 ms

Loss rate: 0.17%

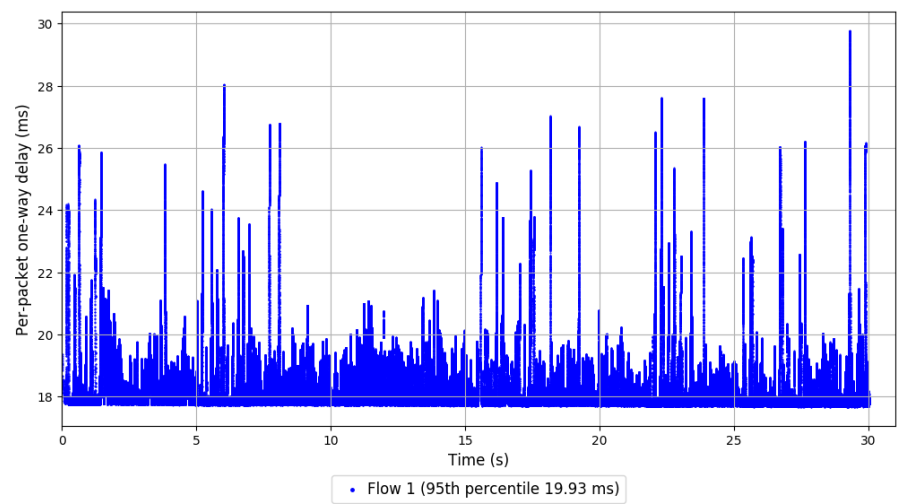
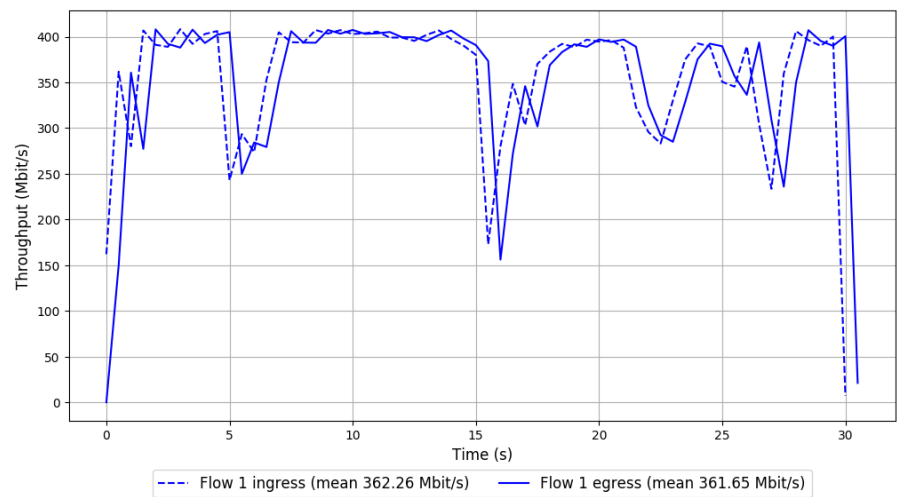
-- Flow 1:

Average throughput: 361.65 Mbit/s

95th percentile per-packet one-way delay: 19.929 ms

Loss rate: 0.17%

Run 10: Report of Copa — Data Link

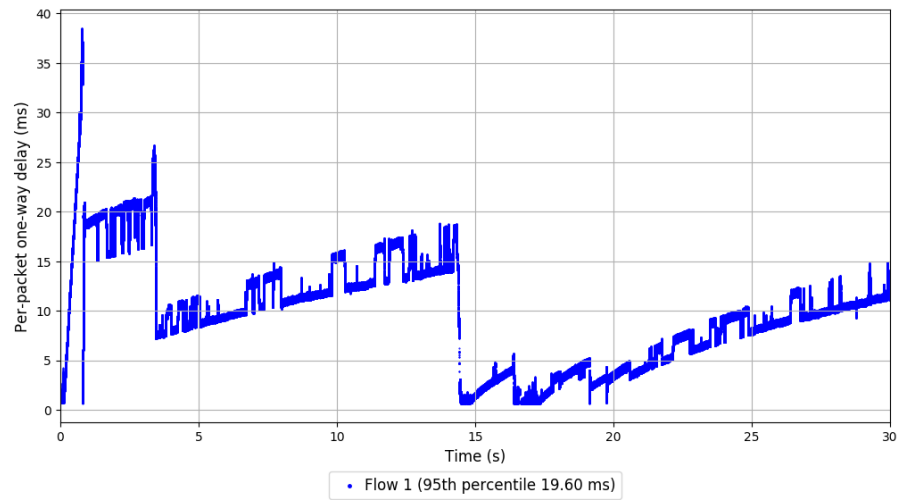
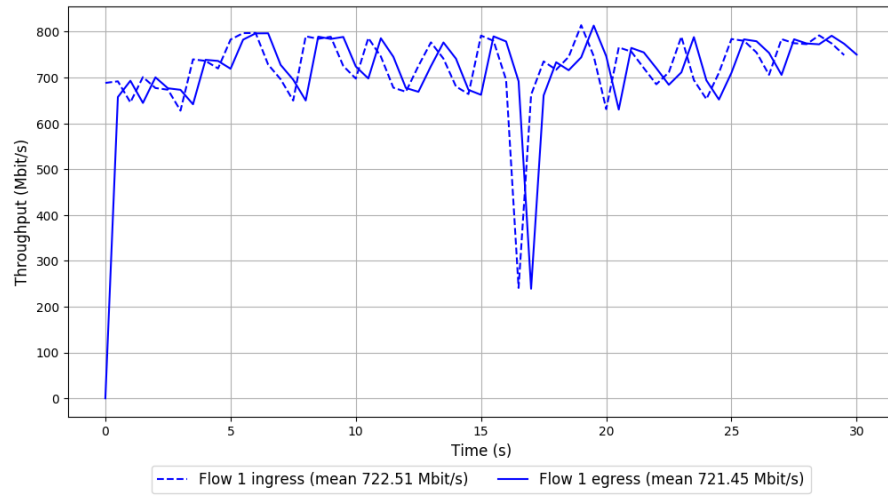


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 08:59:13
End at: 2018-07-17 08:59:43
Local clock offset: -13.222 ms
Remote clock offset: 0.493 ms

Below is generated by plot.py at 2018-07-17 13:44:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.45 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 721.45 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.15%

Run 1: Report of TCP Cubic — Data Link

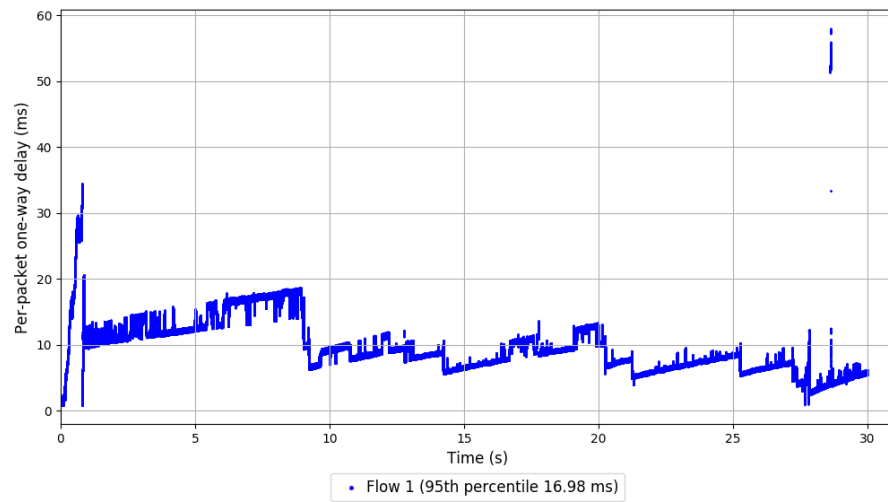
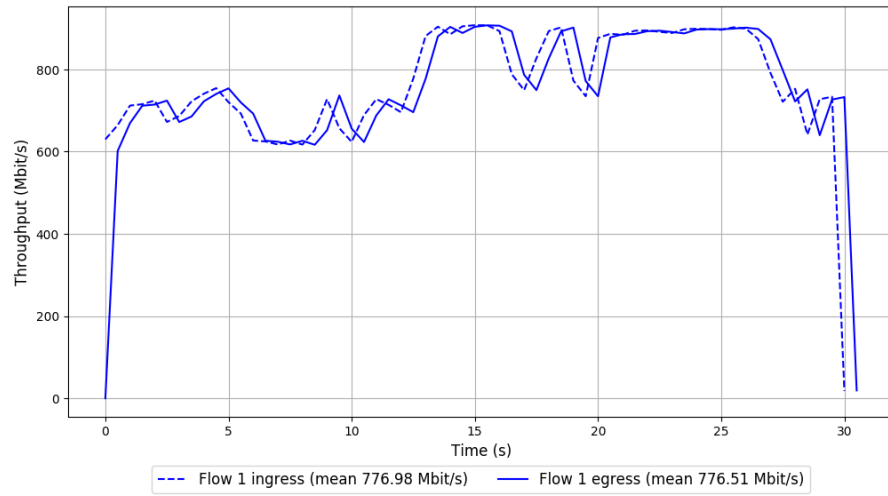


Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 09:24:32
End at: 2018-07-17 09:25:02
Local clock offset: -10.071 ms
Remote clock offset: 0.642 ms

Below is generated by plot.py at 2018-07-17 13:44:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.51 Mbit/s
95th percentile per-packet one-way delay: 16.984 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 776.51 Mbit/s
95th percentile per-packet one-way delay: 16.984 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 09:49:35

End at: 2018-07-17 09:50:05

Local clock offset: -9.445 ms

Remote clock offset: 0.82 ms

Below is generated by plot.py at 2018-07-17 13:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 764.85 Mbit/s

95th percentile per-packet one-way delay: 6.936 ms

Loss rate: 0.10%

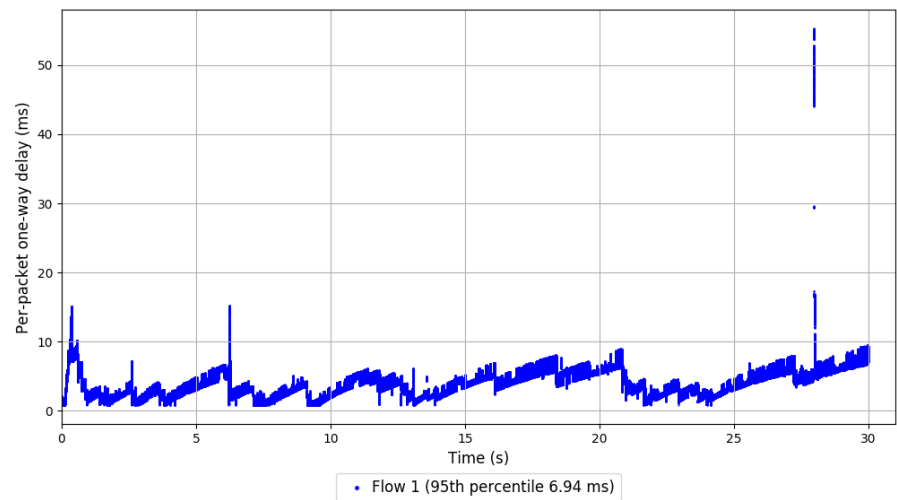
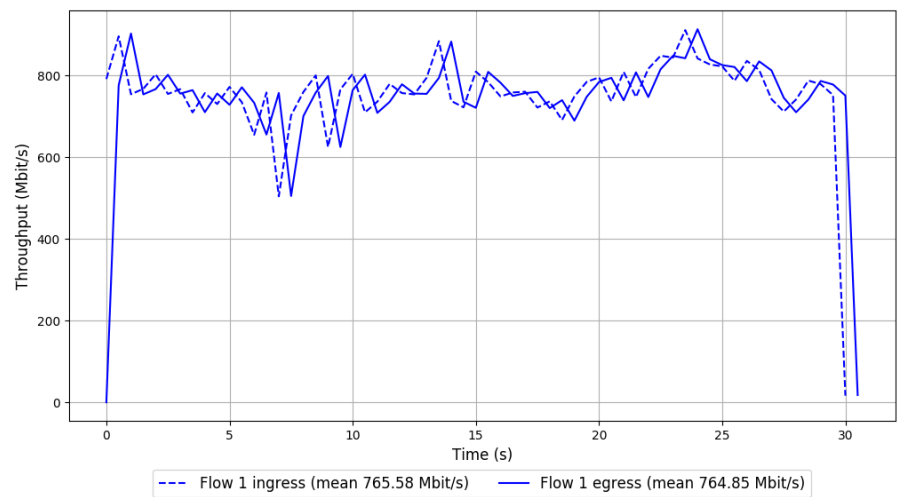
-- Flow 1:

Average throughput: 764.85 Mbit/s

95th percentile per-packet one-way delay: 6.936 ms

Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

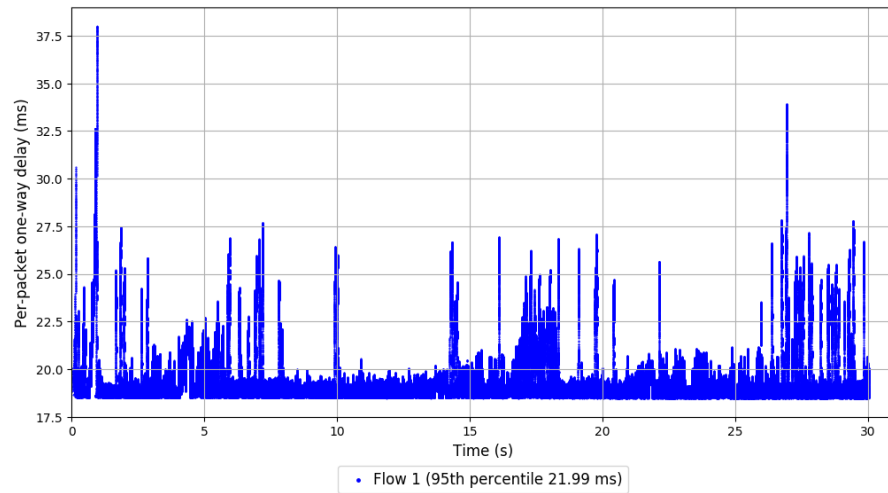
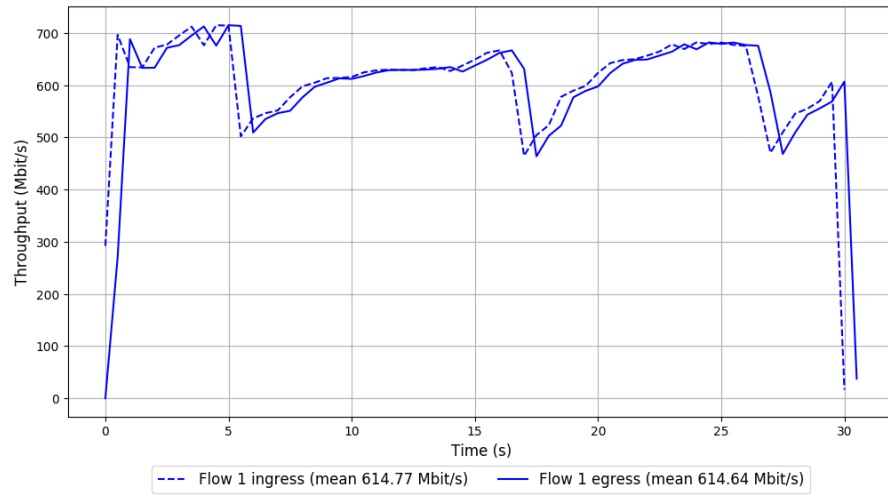


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 10:15:26
End at: 2018-07-17 10:15:56
Local clock offset: -10.631 ms
Remote clock offset: 1.076 ms

Below is generated by plot.py at 2018-07-17 13:45:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 614.64 Mbit/s
95th percentile per-packet one-way delay: 21.993 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 614.64 Mbit/s
95th percentile per-packet one-way delay: 21.993 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

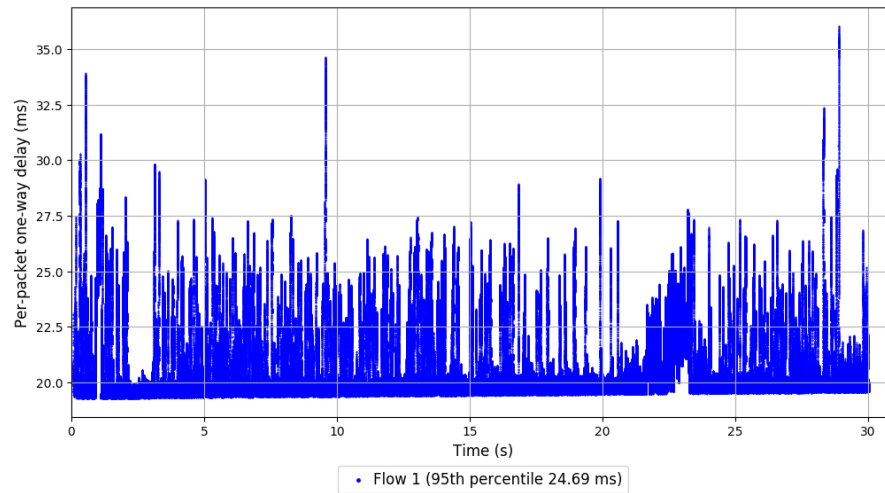
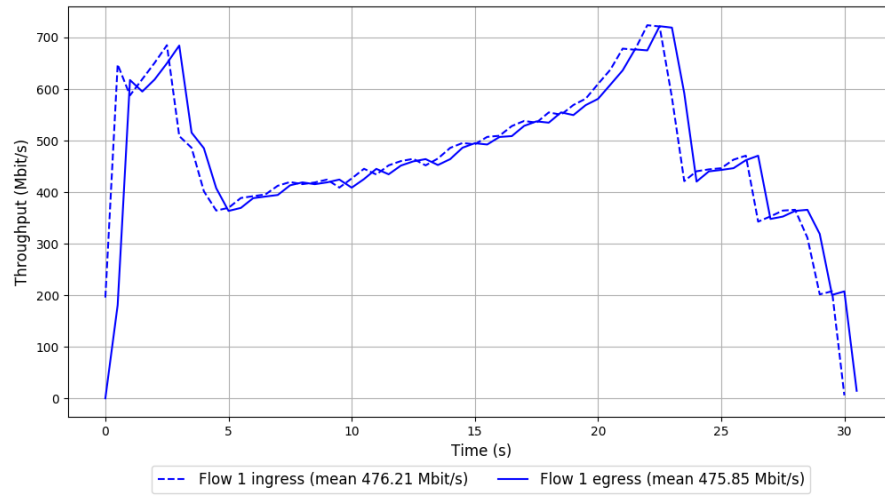


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 10:41:08
End at: 2018-07-17 10:41:38
Local clock offset: -11.232 ms
Remote clock offset: 1.175 ms

Below is generated by plot.py at 2018-07-17 13:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 475.85 Mbit/s
95th percentile per-packet one-way delay: 24.691 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 475.85 Mbit/s
95th percentile per-packet one-way delay: 24.691 ms
Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 11:06:43

End at: 2018-07-17 11:07:13

Local clock offset: -5.73 ms

Remote clock offset: 1.325 ms

Below is generated by plot.py at 2018-07-17 13:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.98 Mbit/s

95th percentile per-packet one-way delay: 23.818 ms

Loss rate: 0.04%

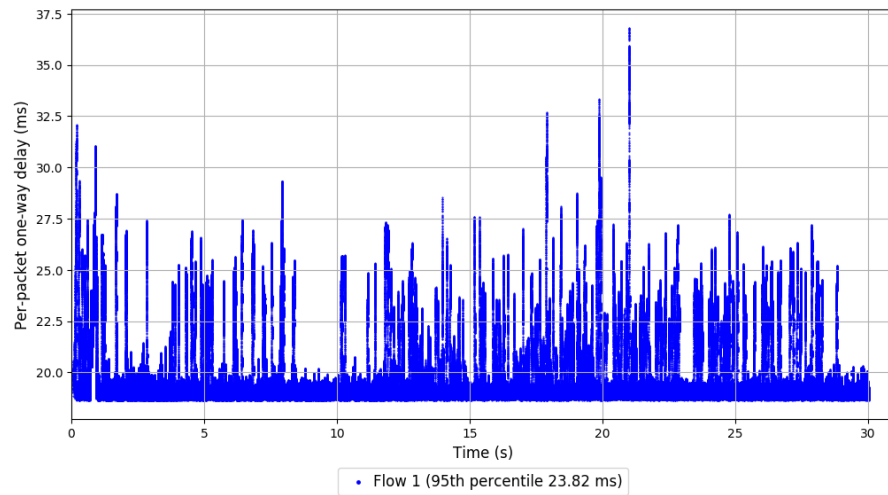
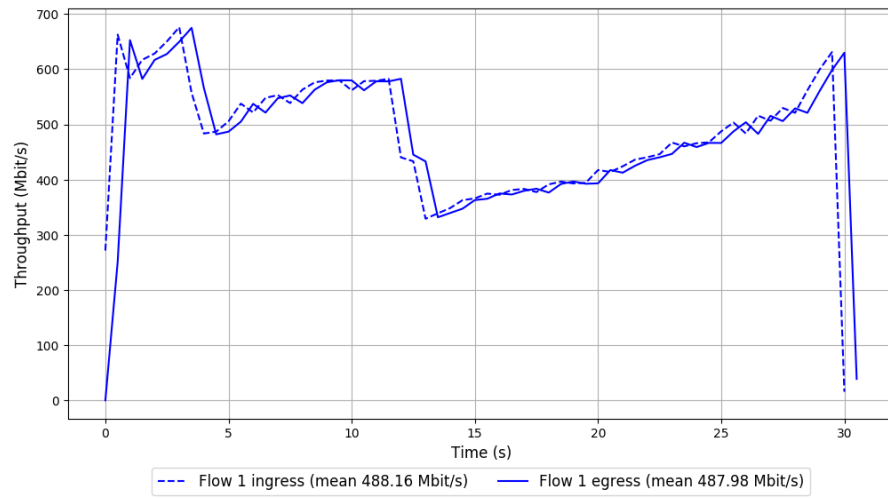
-- Flow 1:

Average throughput: 487.98 Mbit/s

95th percentile per-packet one-way delay: 23.818 ms

Loss rate: 0.04%

Run 6: Report of TCP Cubic — Data Link

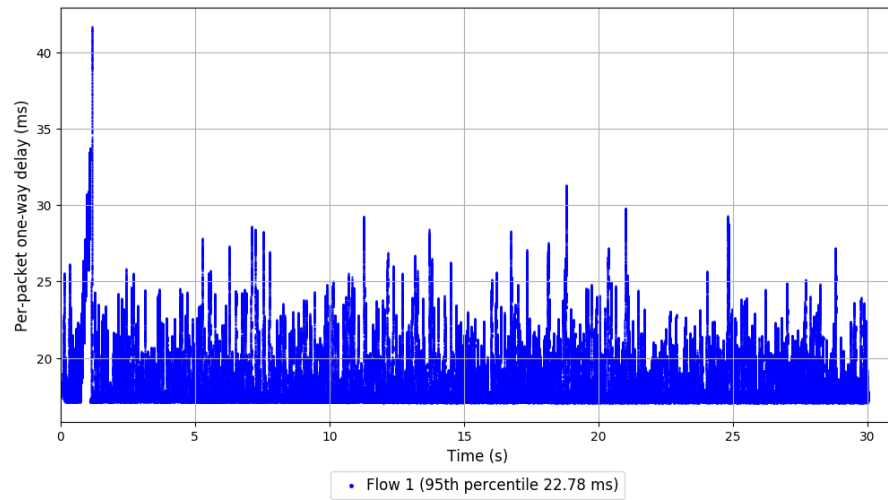
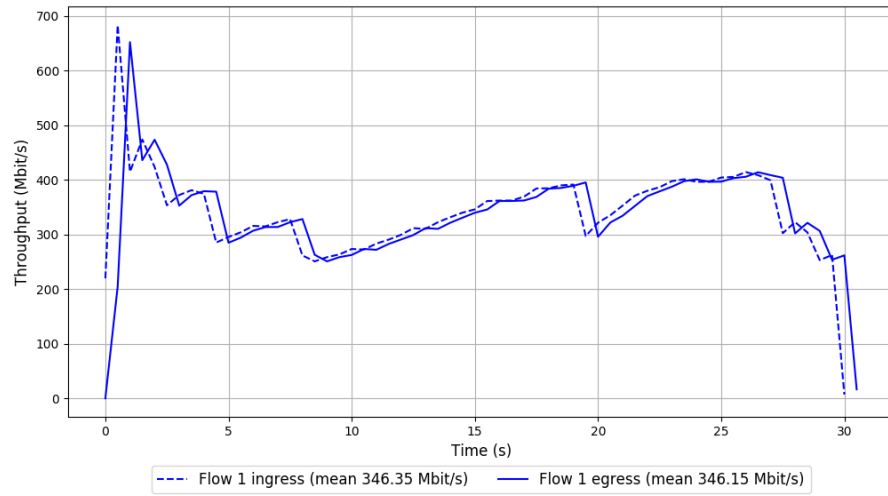


Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 11:32:21
End at: 2018-07-17 11:32:51
Local clock offset: -11.942 ms
Remote clock offset: 1.542 ms

Below is generated by plot.py at 2018-07-17 13:48:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.15 Mbit/s
95th percentile per-packet one-way delay: 22.781 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 346.15 Mbit/s
95th percentile per-packet one-way delay: 22.781 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 11:57:50

End at: 2018-07-17 11:58:20

Local clock offset: -7.028 ms

Remote clock offset: 1.631 ms

Below is generated by plot.py at 2018-07-17 13:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.48 Mbit/s

95th percentile per-packet one-way delay: 23.058 ms

Loss rate: 0.06%

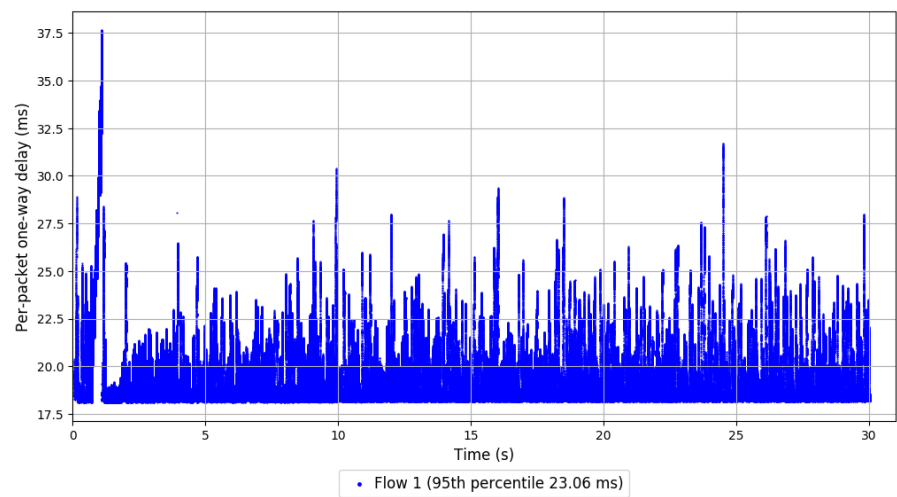
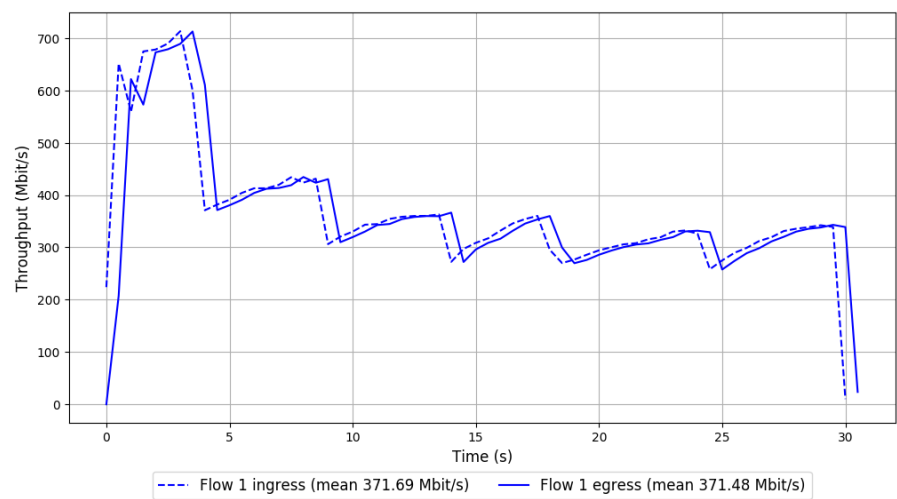
-- Flow 1:

Average throughput: 371.48 Mbit/s

95th percentile per-packet one-way delay: 23.058 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 12:23:21

End at: 2018-07-17 12:23:51

Local clock offset: 0.66 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2018-07-17 13:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.49 Mbit/s

95th percentile per-packet one-way delay: 24.117 ms

Loss rate: 0.07%

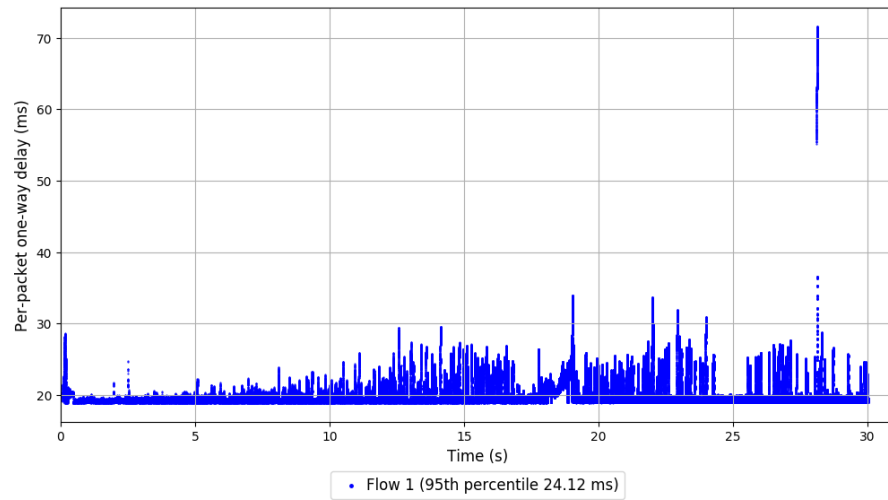
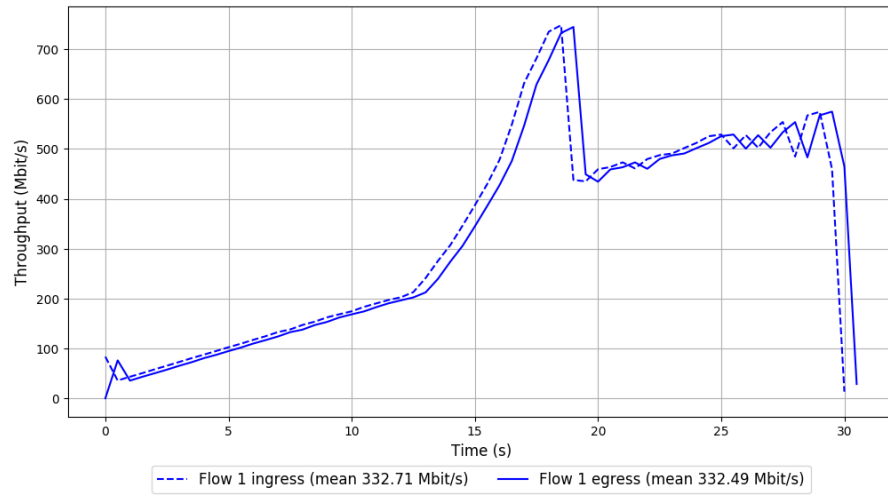
-- Flow 1:

Average throughput: 332.49 Mbit/s

95th percentile per-packet one-way delay: 24.117 ms

Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 12:48:54

End at: 2018-07-17 12:49:24

Local clock offset: 1.804 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2018-07-17 13:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.84 Mbit/s

95th percentile per-packet one-way delay: 23.437 ms

Loss rate: 0.33%

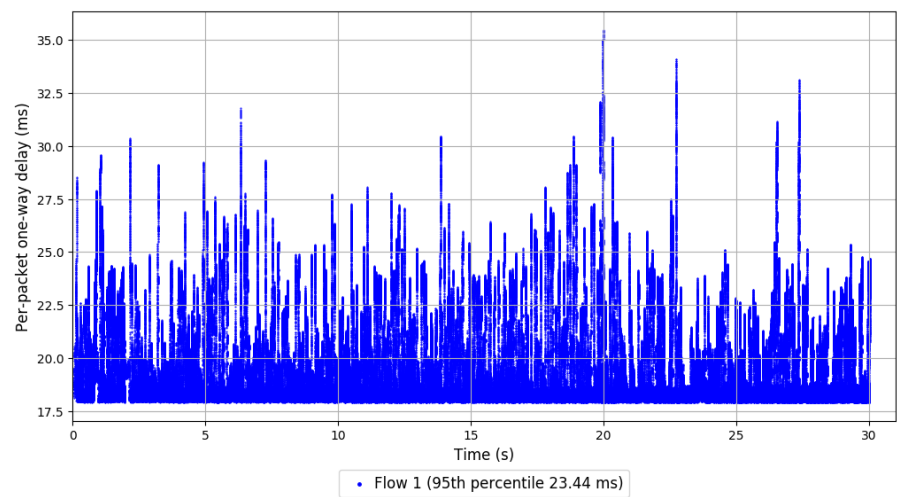
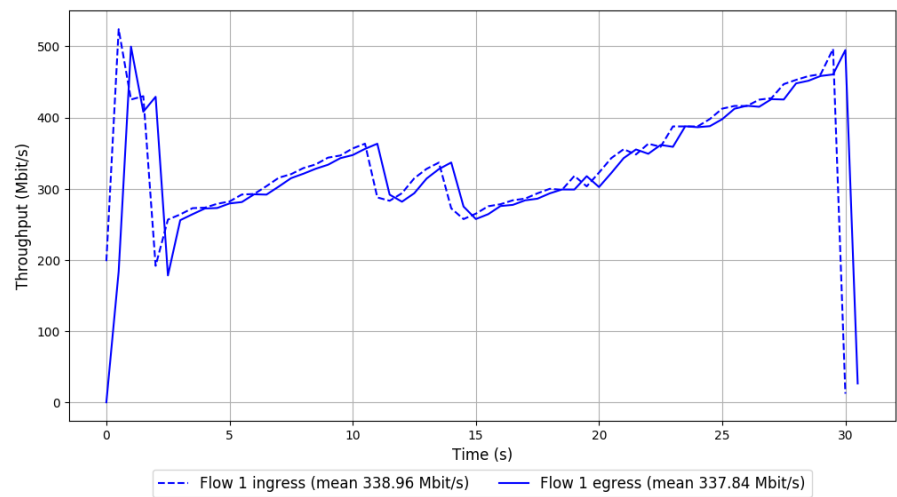
-- Flow 1:

Average throughput: 337.84 Mbit/s

95th percentile per-packet one-way delay: 23.437 ms

Loss rate: 0.33%

Run 10: Report of TCP Cubic — Data Link

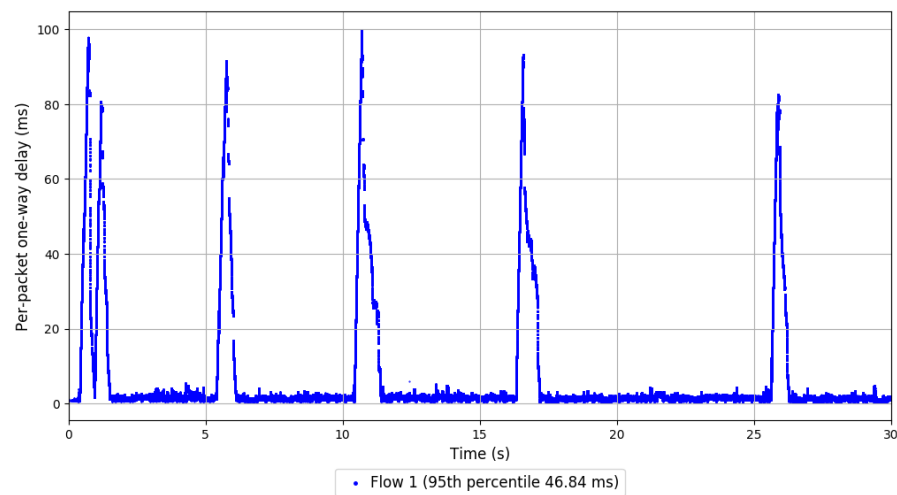
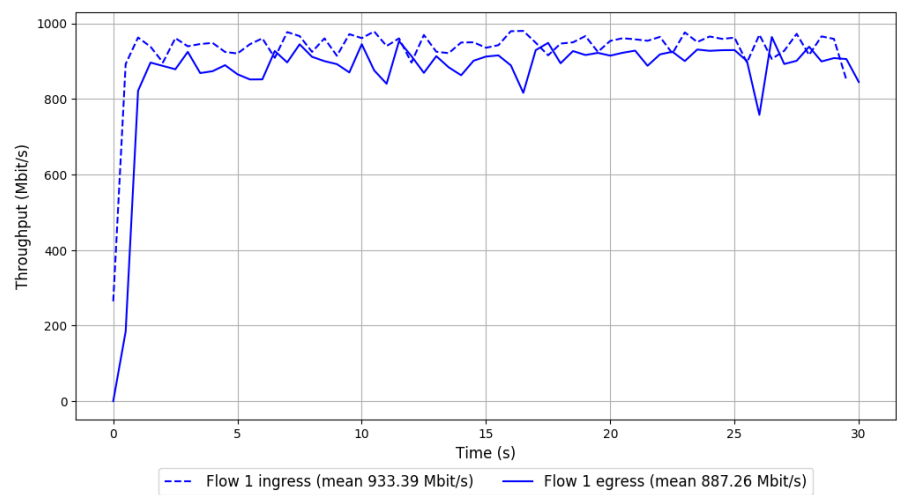


Run 1: Statistics of FillP

Start at: 2018-07-17 09:06:59
End at: 2018-07-17 09:07:29
Local clock offset: -14.626 ms
Remote clock offset: 0.482 ms

Below is generated by plot.py at 2018-07-17 13:58:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 887.26 Mbit/s
95th percentile per-packet one-way delay: 46.843 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 887.26 Mbit/s
95th percentile per-packet one-way delay: 46.843 ms
Loss rate: 4.94%

Run 1: Report of FillP — Data Link

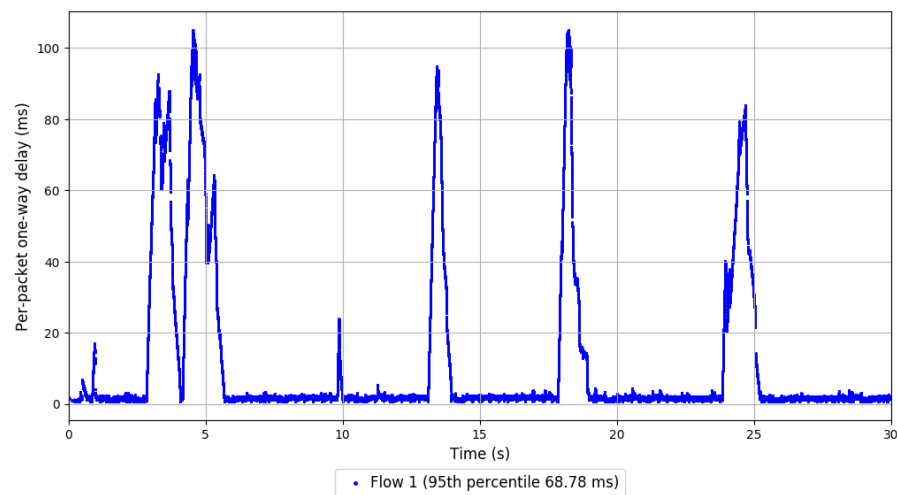
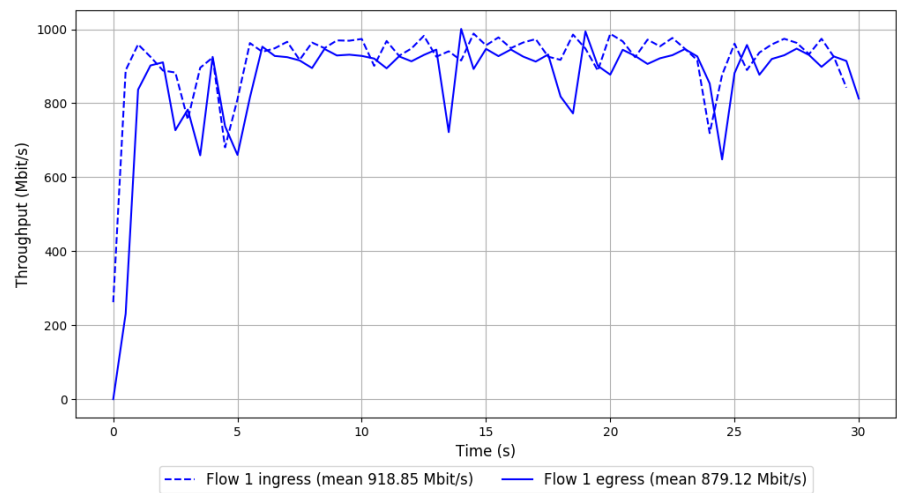


Run 2: Statistics of FillP

Start at: 2018-07-17 09:32:20
End at: 2018-07-17 09:32:50
Local clock offset: -10.088 ms
Remote clock offset: 0.64 ms

Below is generated by plot.py at 2018-07-17 13:58:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.12 Mbit/s
95th percentile per-packet one-way delay: 68.777 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 879.12 Mbit/s
95th percentile per-packet one-way delay: 68.777 ms
Loss rate: 4.32%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-17 09:57:10

End at: 2018-07-17 09:57:40

Local clock offset: -9.411 ms

Remote clock offset: 0.979 ms

Below is generated by plot.py at 2018-07-17 13:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 835.85 Mbit/s

95th percentile per-packet one-way delay: 104.222 ms

Loss rate: 4.09%

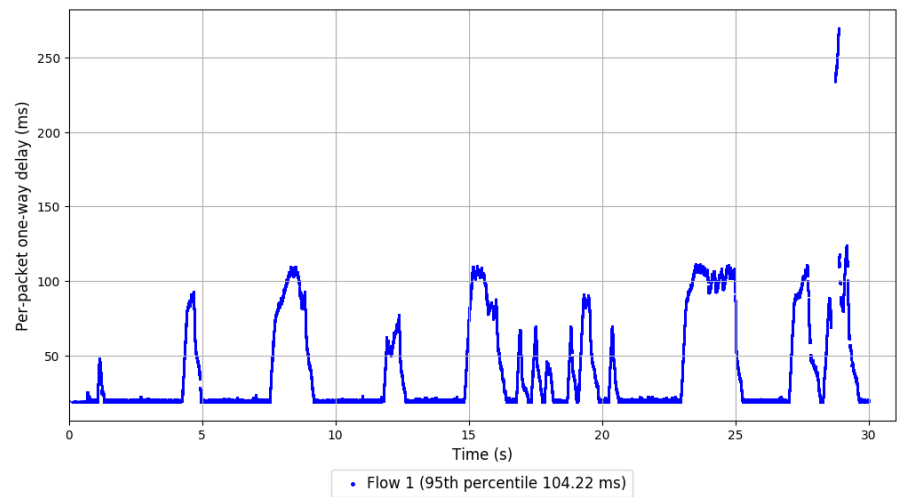
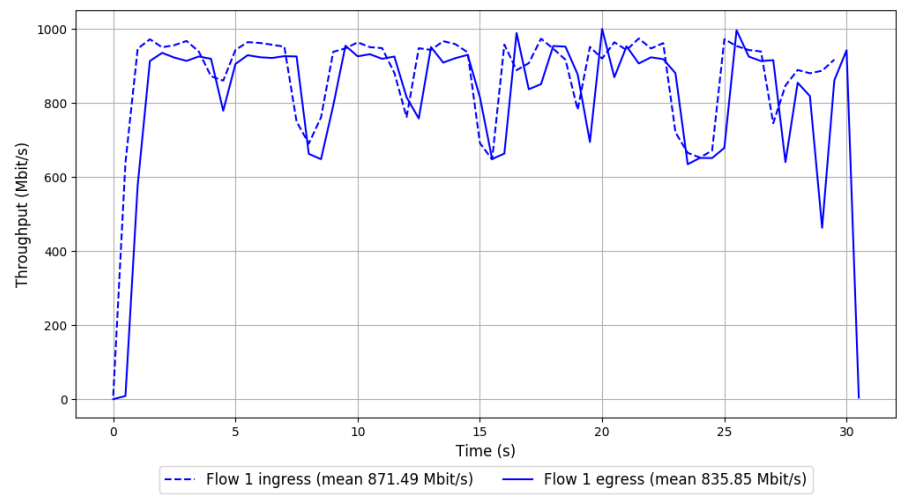
-- Flow 1:

Average throughput: 835.85 Mbit/s

95th percentile per-packet one-way delay: 104.222 ms

Loss rate: 4.09%

Run 3: Report of FillP — Data Link

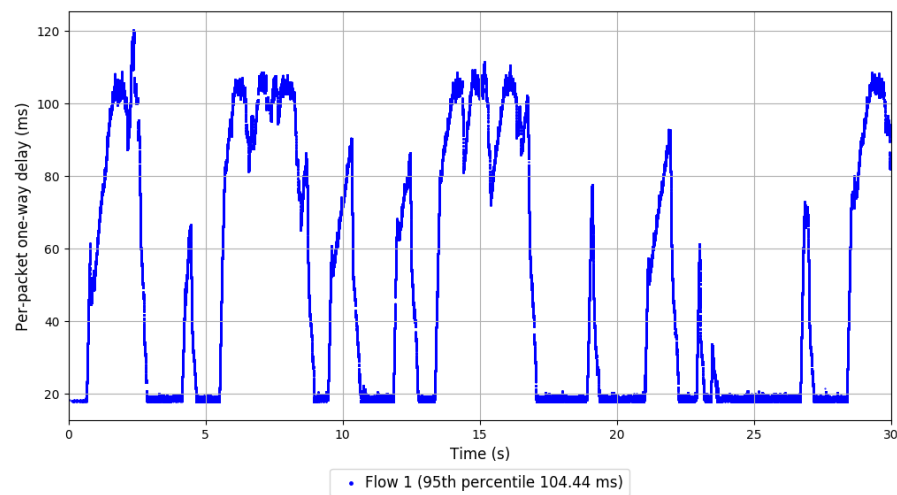
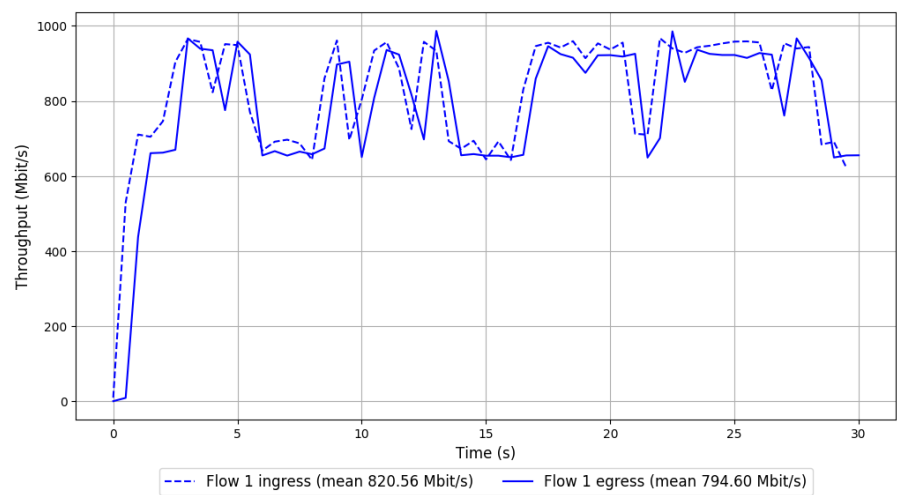


Run 4: Statistics of FillP

Start at: 2018-07-17 10:23:02
End at: 2018-07-17 10:23:32
Local clock offset: -11.327 ms
Remote clock offset: 1.161 ms

Below is generated by plot.py at 2018-07-17 13:59:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.60 Mbit/s
95th percentile per-packet one-way delay: 104.437 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 794.60 Mbit/s
95th percentile per-packet one-way delay: 104.437 ms
Loss rate: 3.16%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-17 10:48:41

End at: 2018-07-17 10:49:11

Local clock offset: -8.032 ms

Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-07-17 14:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 833.84 Mbit/s

95th percentile per-packet one-way delay: 105.487 ms

Loss rate: 6.40%

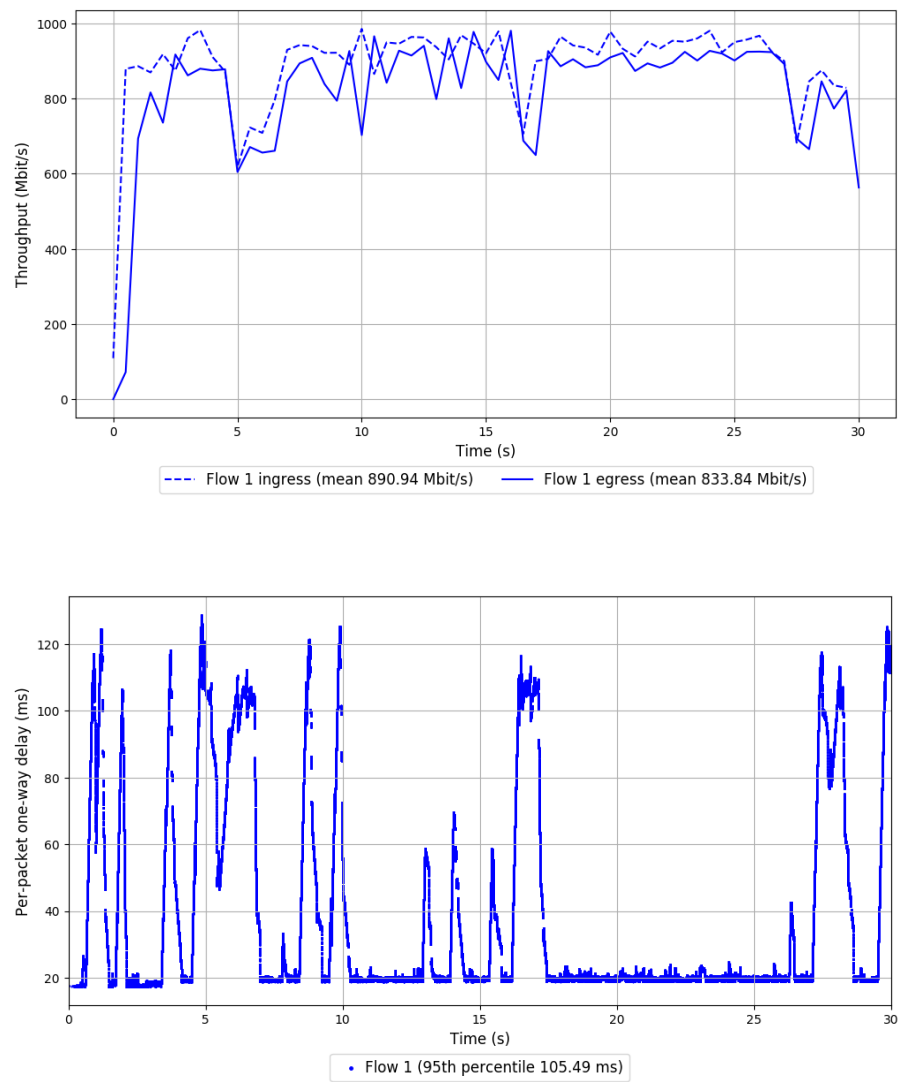
-- Flow 1:

Average throughput: 833.84 Mbit/s

95th percentile per-packet one-way delay: 105.487 ms

Loss rate: 6.40%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-17 11:14:16

End at: 2018-07-17 11:14:46

Local clock offset: -8.311 ms

Remote clock offset: 1.382 ms

Below is generated by plot.py at 2018-07-17 14:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 761.90 Mbit/s

95th percentile per-packet one-way delay: 105.692 ms

Loss rate: 3.58%

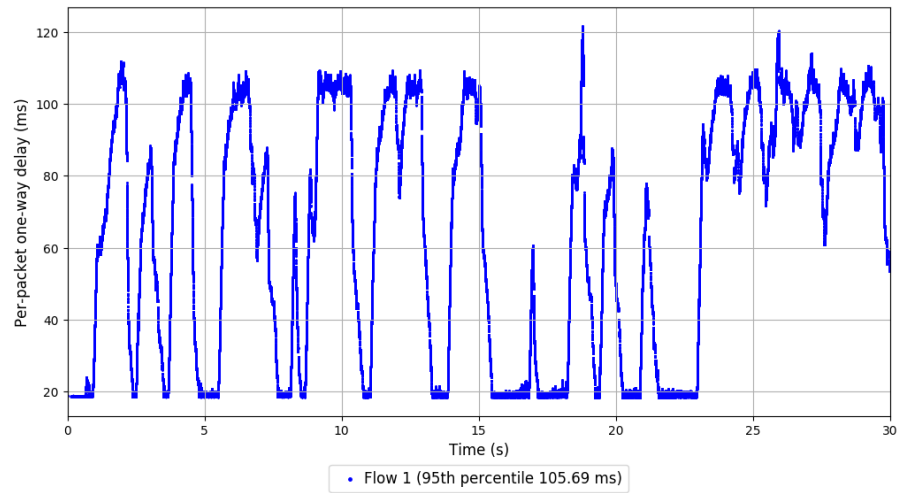
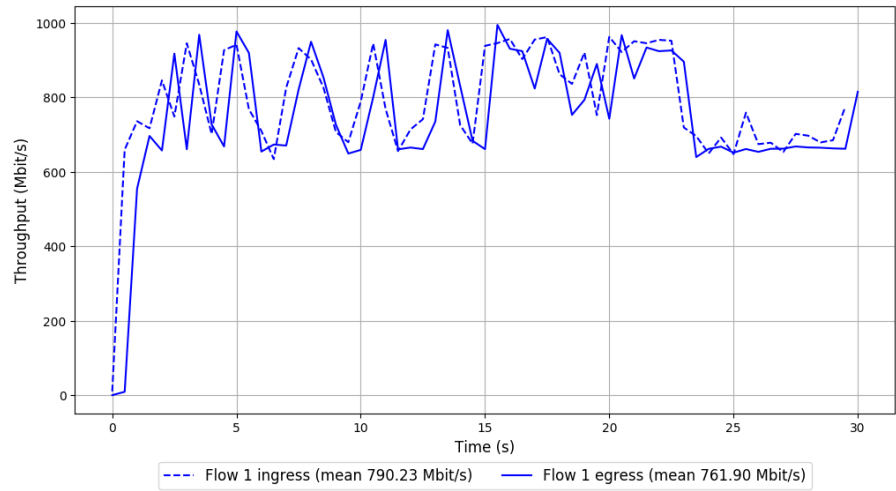
-- Flow 1:

Average throughput: 761.90 Mbit/s

95th percentile per-packet one-way delay: 105.692 ms

Loss rate: 3.58%

Run 6: Report of FillP — Data Link

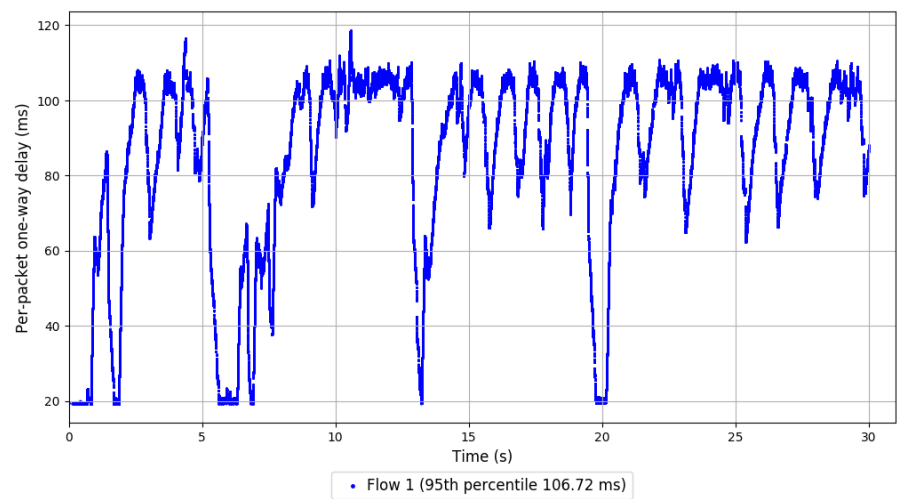
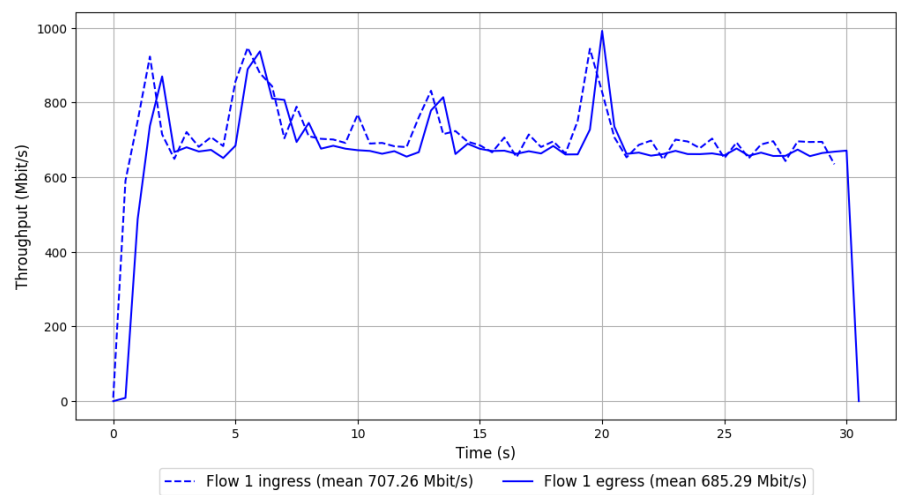


Run 7: Statistics of FillP

Start at: 2018-07-17 11:39:52
End at: 2018-07-17 11:40:22
Local clock offset: -12.344 ms
Remote clock offset: 1.667 ms

Below is generated by plot.py at 2018-07-17 14:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 685.29 Mbit/s
95th percentile per-packet one-way delay: 106.725 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 685.29 Mbit/s
95th percentile per-packet one-way delay: 106.725 ms
Loss rate: 3.10%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-17 12:05:21

End at: 2018-07-17 12:05:51

Local clock offset: -6.471 ms

Remote clock offset: 1.491 ms

Below is generated by plot.py at 2018-07-17 14:00:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 680.76 Mbit/s

95th percentile per-packet one-way delay: 106.111 ms

Loss rate: 2.69%

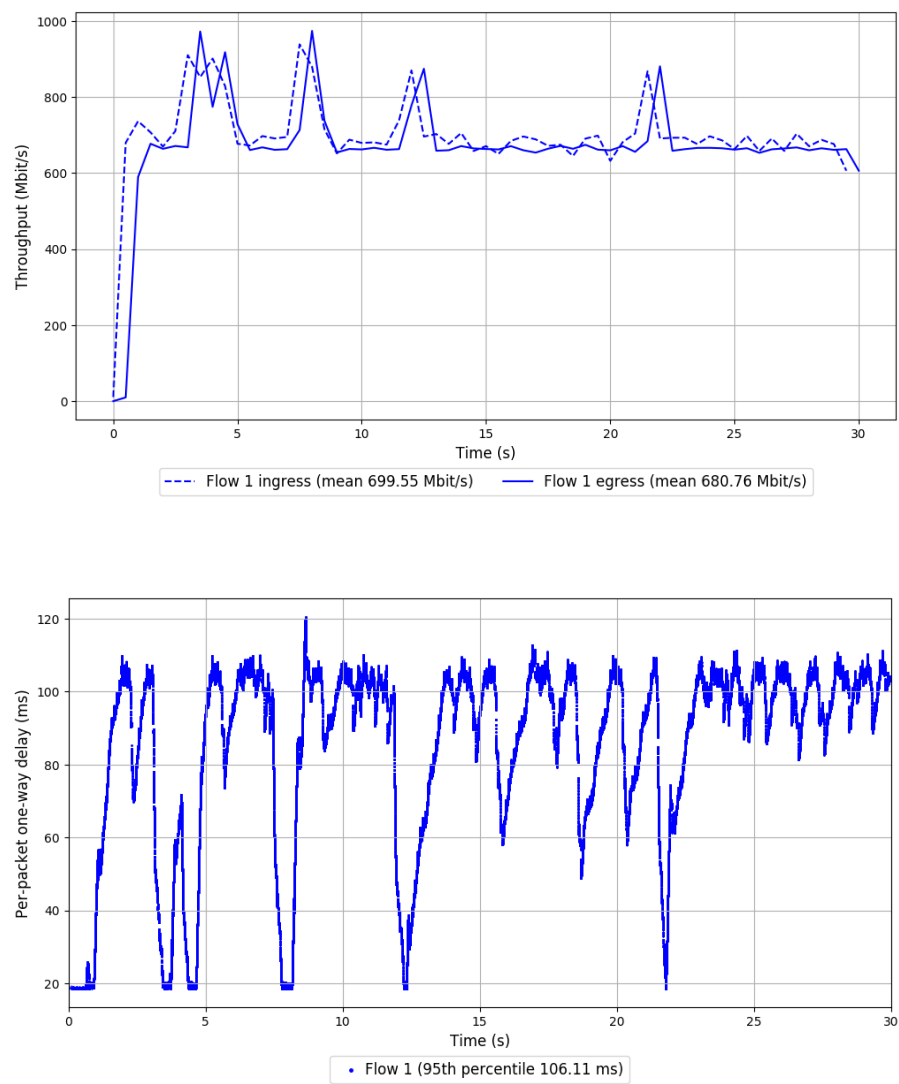
-- Flow 1:

Average throughput: 680.76 Mbit/s

95th percentile per-packet one-way delay: 106.111 ms

Loss rate: 2.69%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-17 12:30:52

End at: 2018-07-17 12:31:22

Local clock offset: 2.309 ms

Remote clock offset: 1.143 ms

Below is generated by plot.py at 2018-07-17 14:08:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 697.98 Mbit/s

95th percentile per-packet one-way delay: 107.091 ms

Loss rate: 3.98%

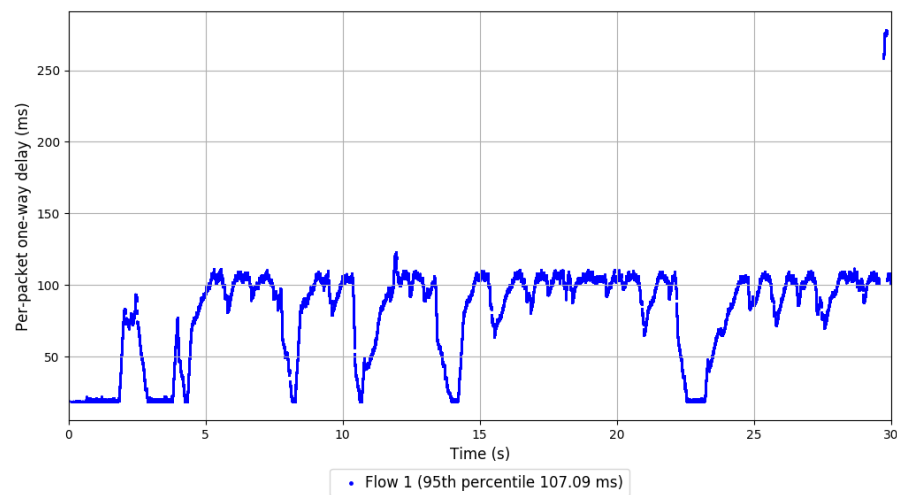
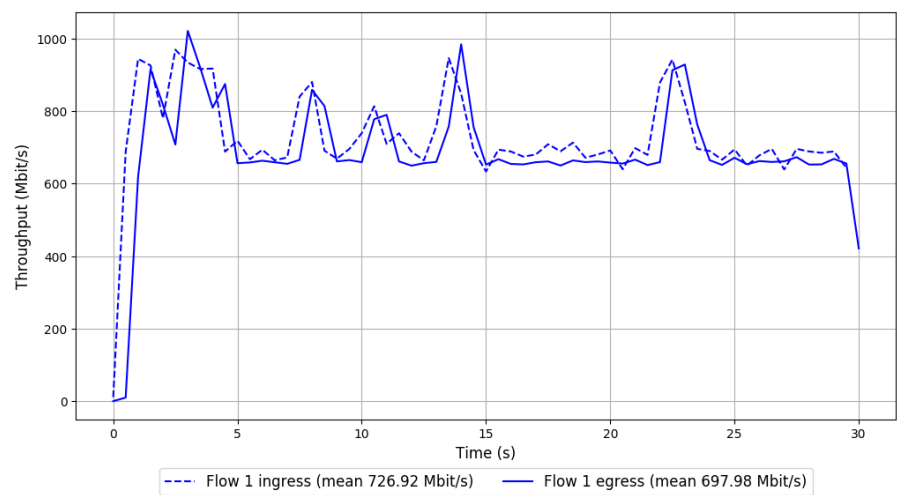
-- Flow 1:

Average throughput: 697.98 Mbit/s

95th percentile per-packet one-way delay: 107.091 ms

Loss rate: 3.98%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-17 12:56:22

End at: 2018-07-17 12:56:52

Local clock offset: 1.64 ms

Remote clock offset: 0.754 ms

Below is generated by plot.py at 2018-07-17 14:09:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 708.61 Mbit/s

95th percentile per-packet one-way delay: 105.897 ms

Loss rate: 3.29%

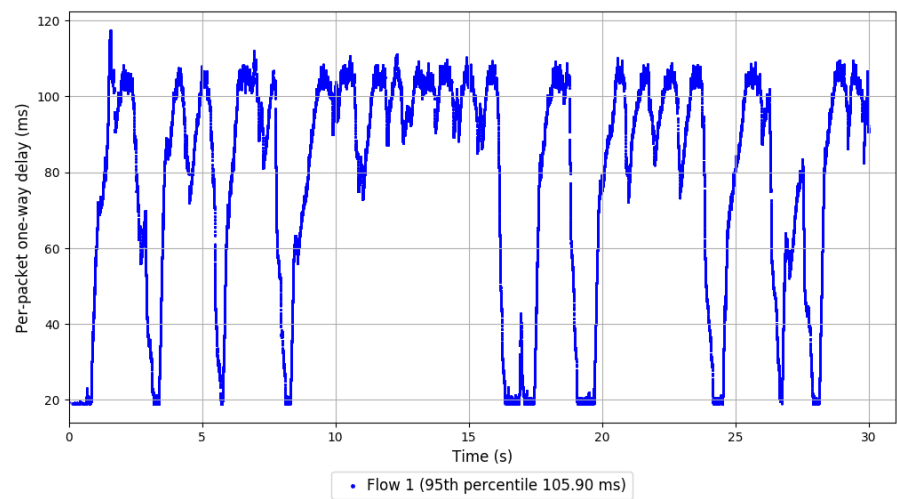
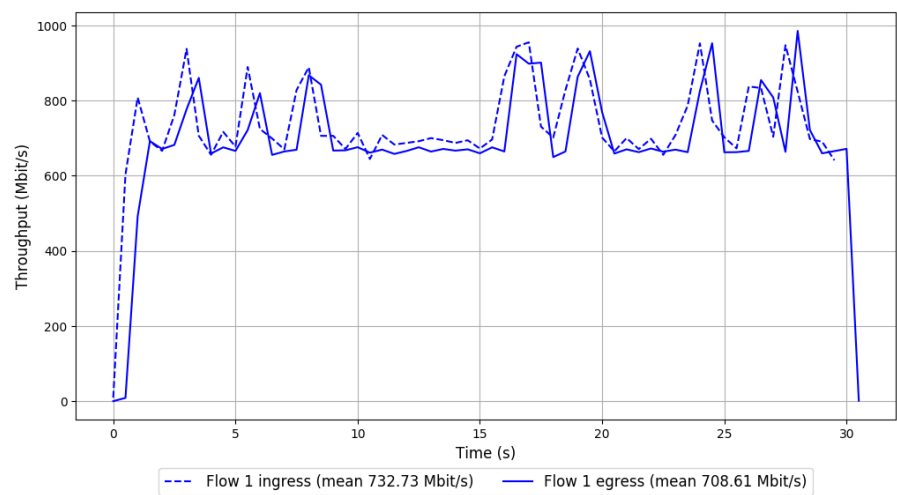
-- Flow 1:

Average throughput: 708.61 Mbit/s

95th percentile per-packet one-way delay: 105.897 ms

Loss rate: 3.29%

Run 10: Report of FillP — Data Link

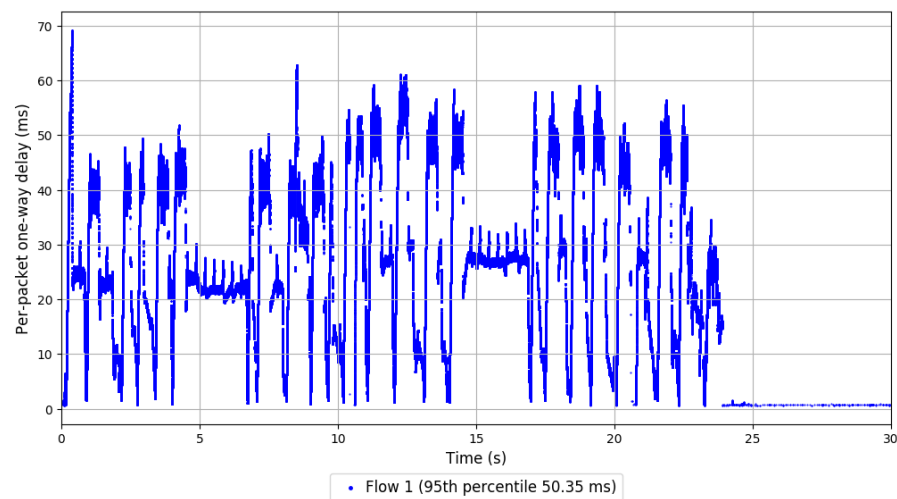
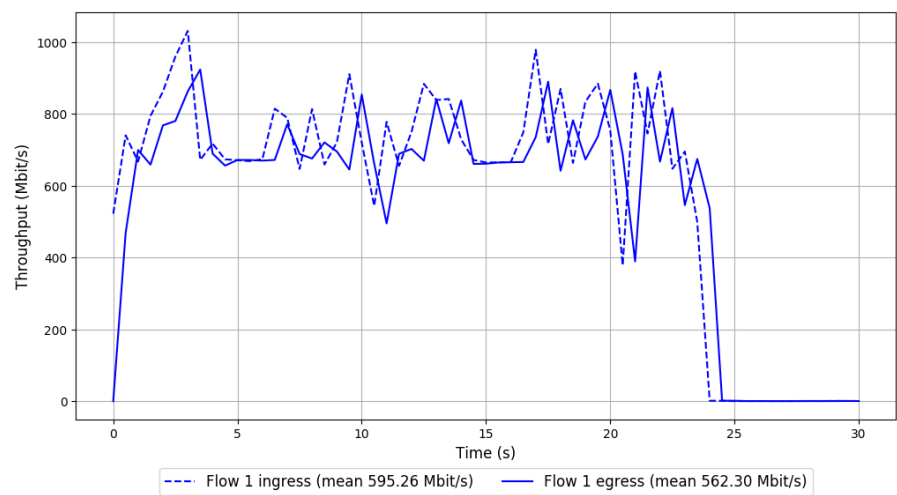


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 08:56:23
End at: 2018-07-17 08:56:53
Local clock offset: -12.819 ms
Remote clock offset: 0.487 ms

Below is generated by plot.py at 2018-07-17 14:09:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 562.30 Mbit/s
95th percentile per-packet one-way delay: 50.350 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 562.30 Mbit/s
95th percentile per-packet one-way delay: 50.350 ms
Loss rate: 5.54%

Run 1: Report of FillP-Sheep — Data Link

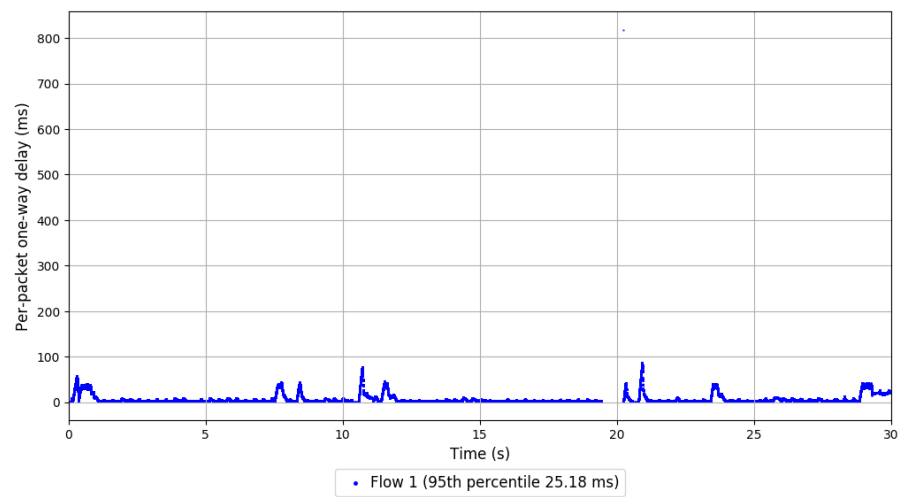
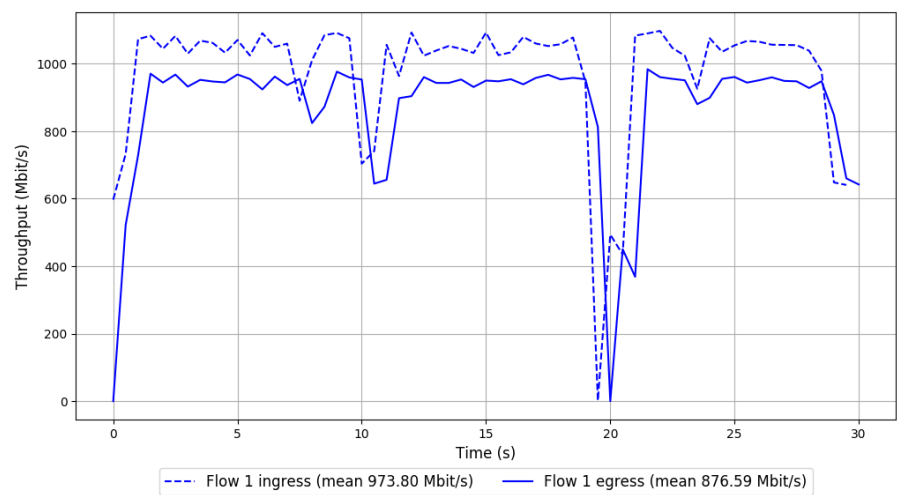


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 09:21:31
End at: 2018-07-17 09:22:01
Local clock offset: -10.338 ms
Remote clock offset: 0.615 ms

Below is generated by plot.py at 2018-07-17 14:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 876.59 Mbit/s
95th percentile per-packet one-way delay: 25.182 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 876.59 Mbit/s
95th percentile per-packet one-way delay: 25.182 ms
Loss rate: 9.98%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 09:46:51

End at: 2018-07-17 09:47:21

Local clock offset: -9.587 ms

Remote clock offset: 0.765 ms

Below is generated by plot.py at 2018-07-17 14:12:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.14 Mbit/s

95th percentile per-packet one-way delay: 33.976 ms

Loss rate: 7.87%

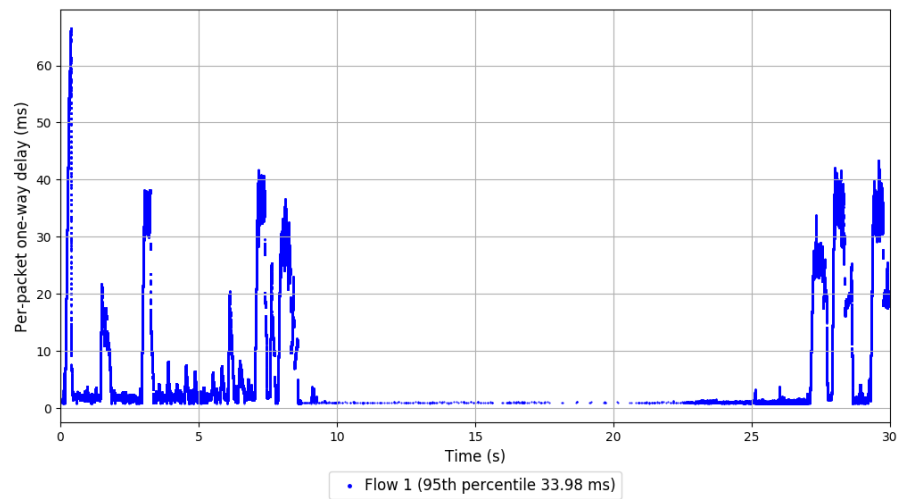
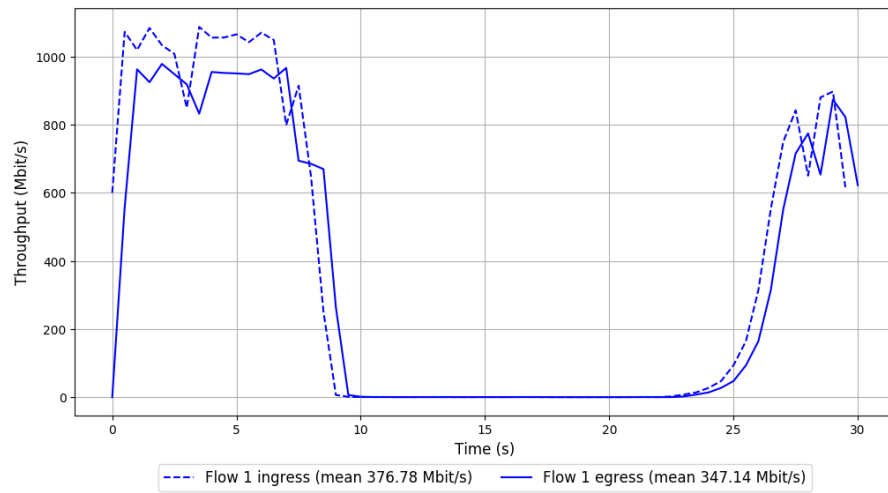
-- Flow 1:

Average throughput: 347.14 Mbit/s

95th percentile per-packet one-way delay: 33.976 ms

Loss rate: 7.87%

Run 3: Report of FillP-Sheep — Data Link

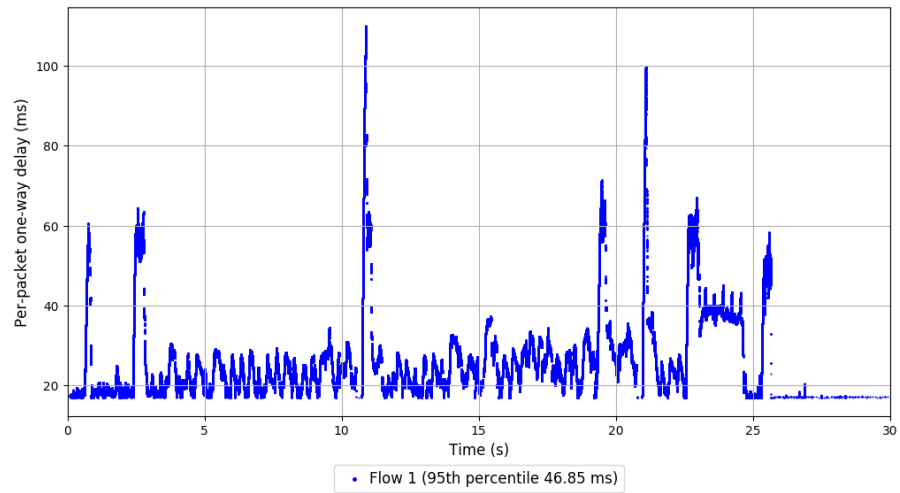
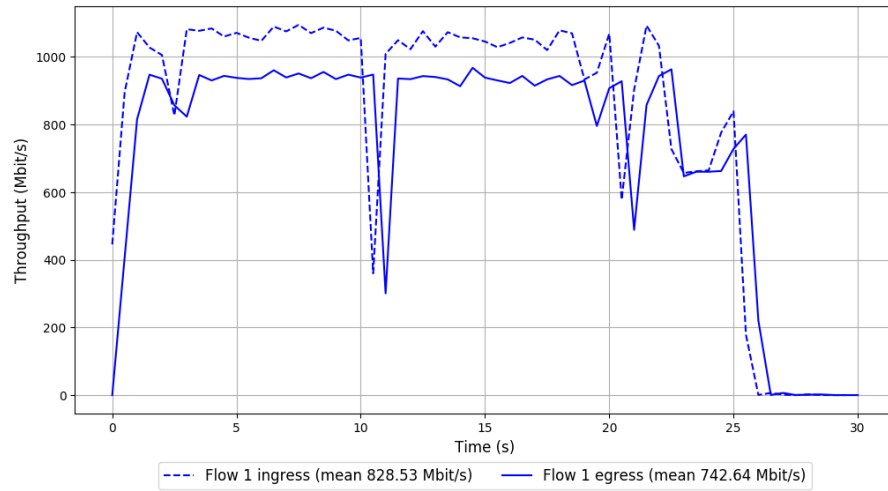


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 10:12:12
End at: 2018-07-17 10:12:42
Local clock offset: -10.323 ms
Remote clock offset: 1.013 ms

Below is generated by plot.py at 2018-07-17 14:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 742.64 Mbit/s
95th percentile per-packet one-way delay: 46.853 ms
Loss rate: 10.37%
-- Flow 1:
Average throughput: 742.64 Mbit/s
95th percentile per-packet one-way delay: 46.853 ms
Loss rate: 10.37%

Run 4: Report of FillP-Sheep — Data Link

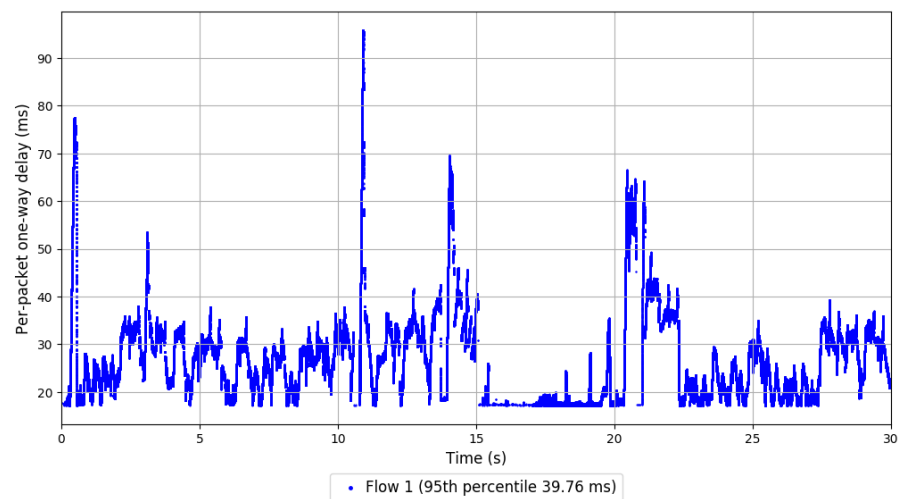
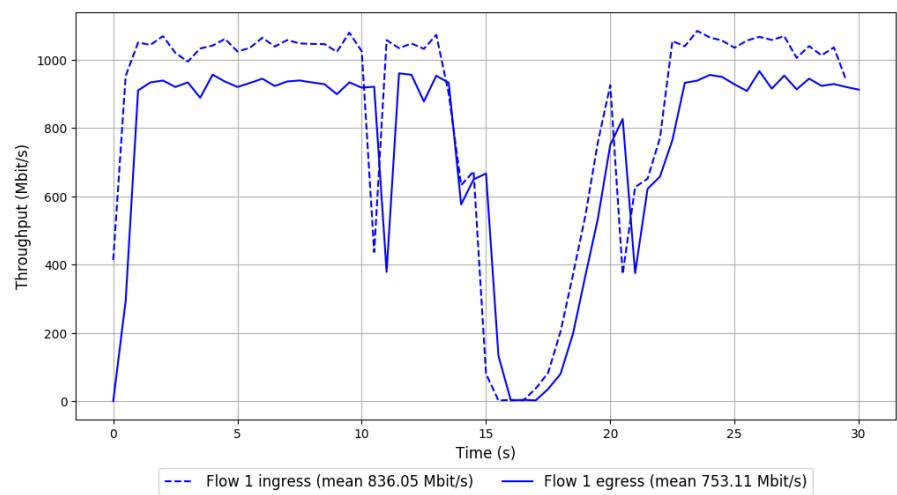


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 10:37:56
End at: 2018-07-17 10:38:26
Local clock offset: -12.296 ms
Remote clock offset: 1.174 ms

Below is generated by plot.py at 2018-07-17 14:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 753.11 Mbit/s
95th percentile per-packet one-way delay: 39.762 ms
Loss rate: 9.92%
-- Flow 1:
Average throughput: 753.11 Mbit/s
95th percentile per-packet one-way delay: 39.762 ms
Loss rate: 9.92%

Run 5: Report of FillP-Sheep — Data Link

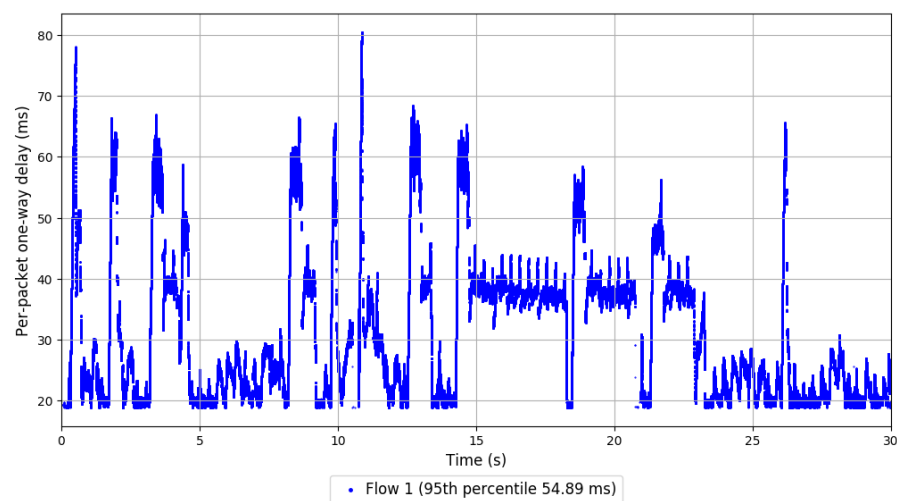
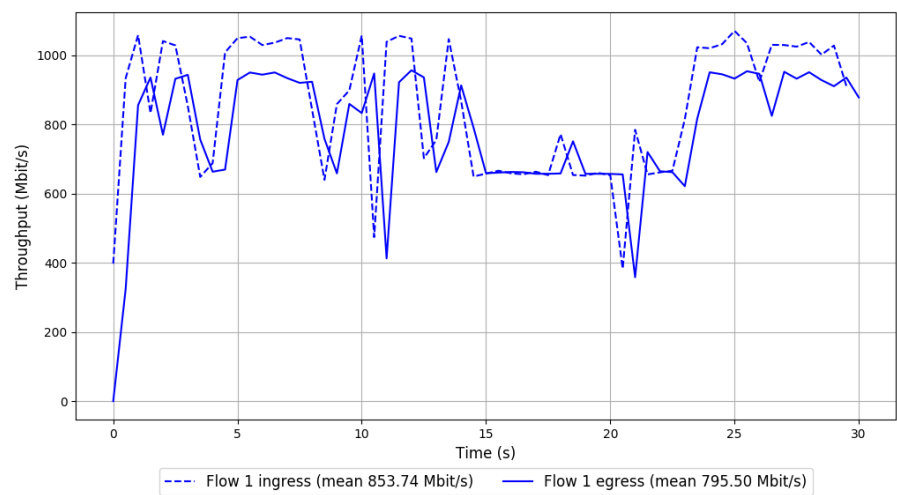


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 11:03:30
End at: 2018-07-17 11:04:00
Local clock offset: -5.979 ms
Remote clock offset: 1.271 ms

Below is generated by plot.py at 2018-07-17 14:12:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.50 Mbit/s
95th percentile per-packet one-way delay: 54.887 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 795.50 Mbit/s
95th percentile per-packet one-way delay: 54.887 ms
Loss rate: 6.82%

Run 6: Report of FillP-Sheep — Data Link

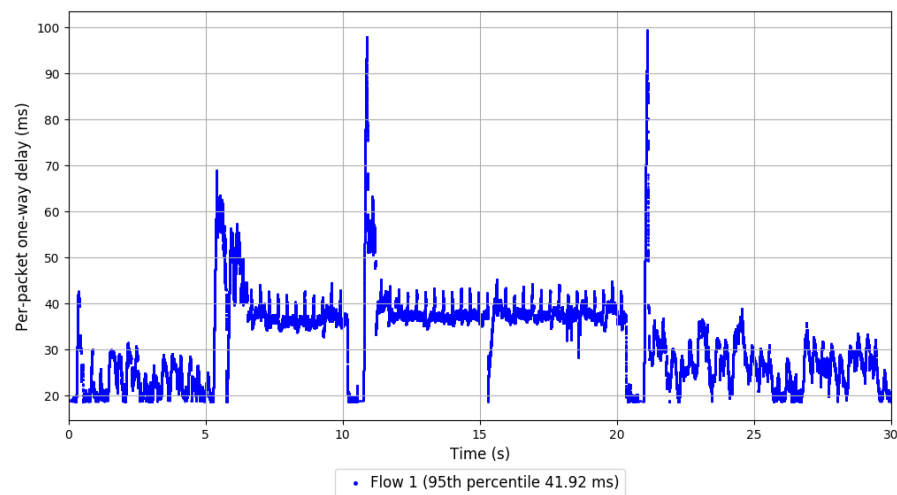
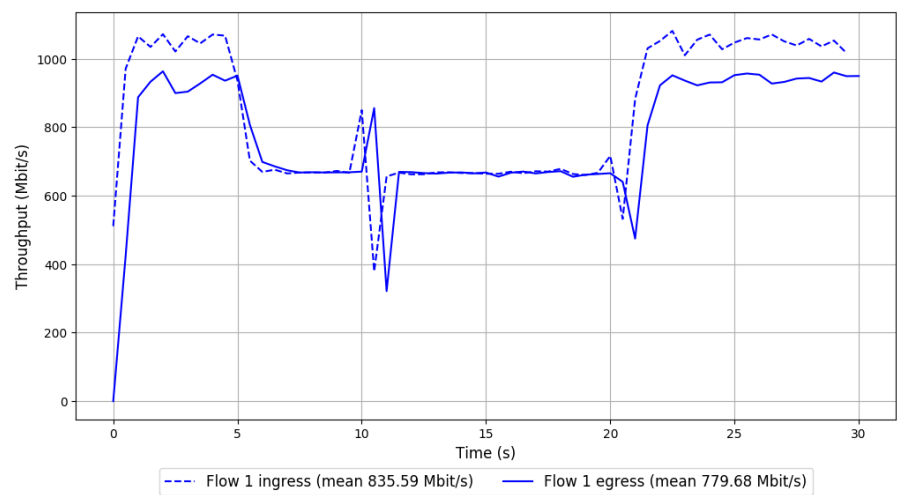


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 11:29:08
End at: 2018-07-17 11:29:38
Local clock offset: -11.575 ms
Remote clock offset: 1.567 ms

Below is generated by plot.py at 2018-07-17 14:17:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 779.68 Mbit/s
95th percentile per-packet one-way delay: 41.922 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 779.68 Mbit/s
95th percentile per-packet one-way delay: 41.922 ms
Loss rate: 6.69%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 11:54:34

End at: 2018-07-17 11:55:04

Local clock offset: -7.397 ms

Remote clock offset: 1.631 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 855.78 Mbit/s

95th percentile per-packet one-way delay: 38.581 ms

Loss rate: 9.64%

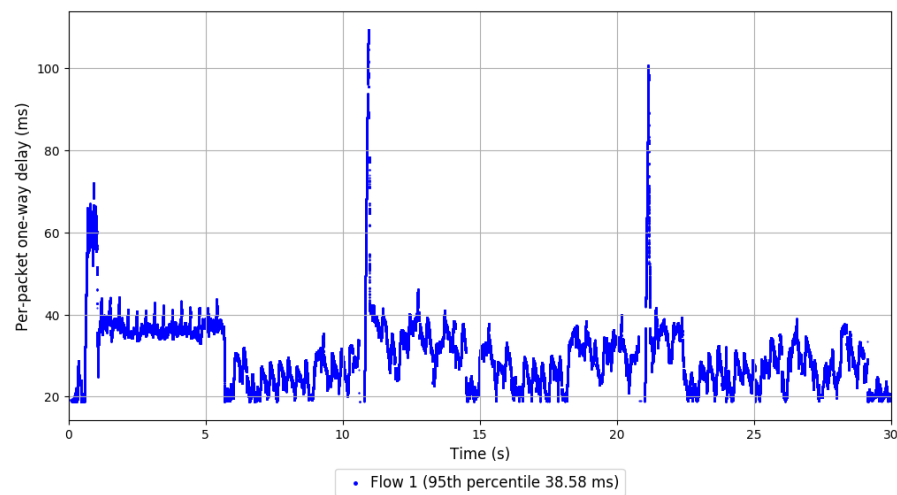
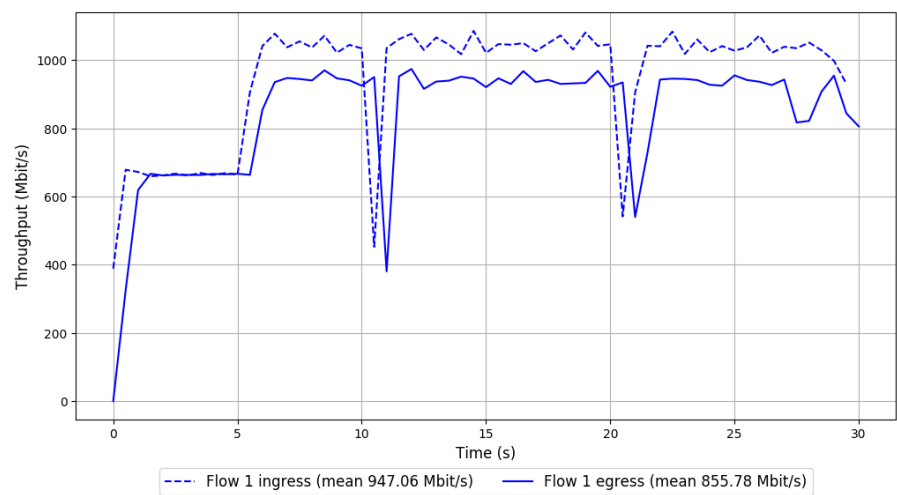
-- Flow 1:

Average throughput: 855.78 Mbit/s

95th percentile per-packet one-way delay: 38.581 ms

Loss rate: 9.64%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 12:20:10

End at: 2018-07-17 12:20:40

Local clock offset: -0.31 ms

Remote clock offset: 1.405 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 733.64 Mbit/s

95th percentile per-packet one-way delay: 43.898 ms

Loss rate: 7.86%

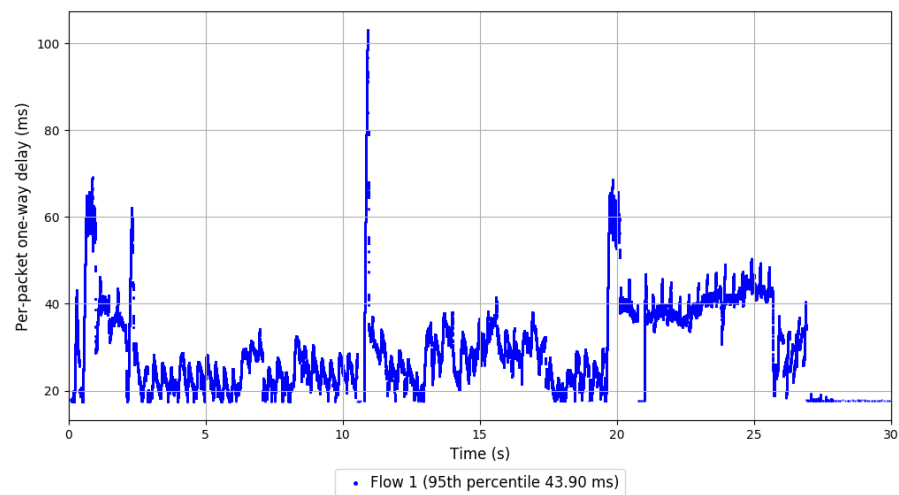
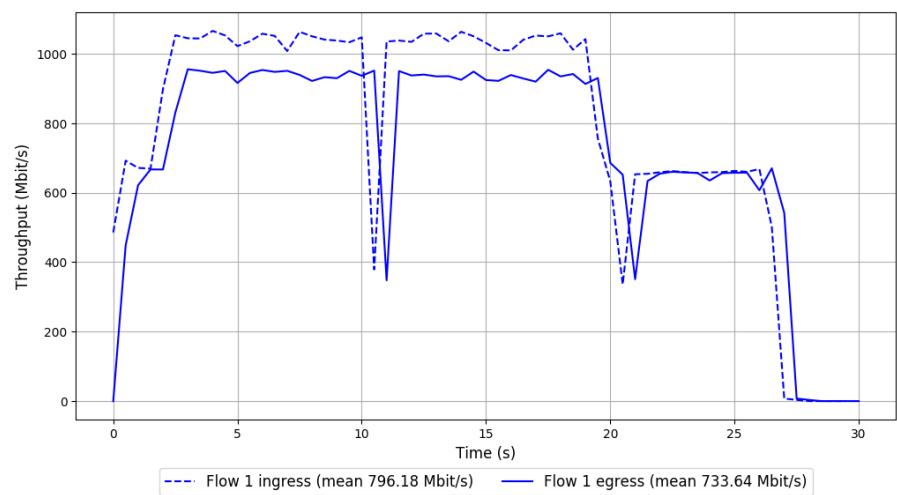
-- Flow 1:

Average throughput: 733.64 Mbit/s

95th percentile per-packet one-way delay: 43.898 ms

Loss rate: 7.86%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 12:45:44

End at: 2018-07-17 12:46:14

Local clock offset: 2.184 ms

Remote clock offset: 0.859 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.28 Mbit/s

95th percentile per-packet one-way delay: 58.104 ms

Loss rate: 2.41%

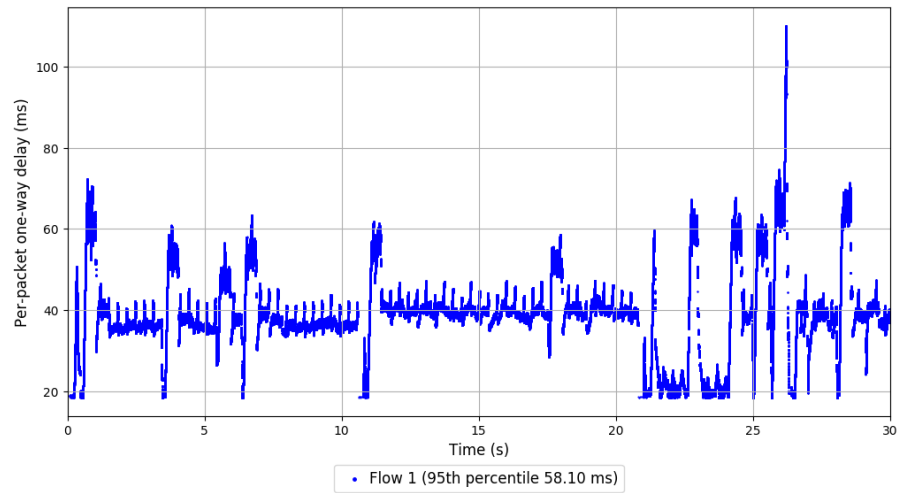
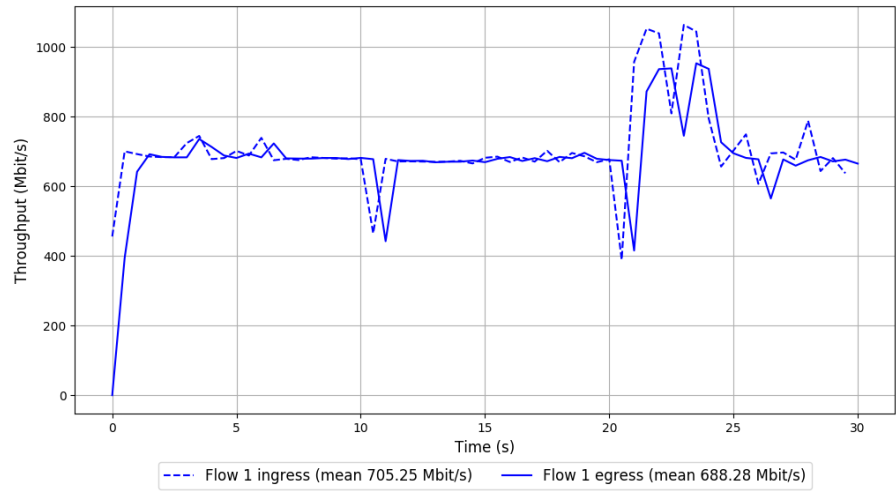
-- Flow 1:

Average throughput: 688.28 Mbit/s

95th percentile per-packet one-way delay: 58.104 ms

Loss rate: 2.41%

Run 10: Report of FillP-Sheep — Data Link

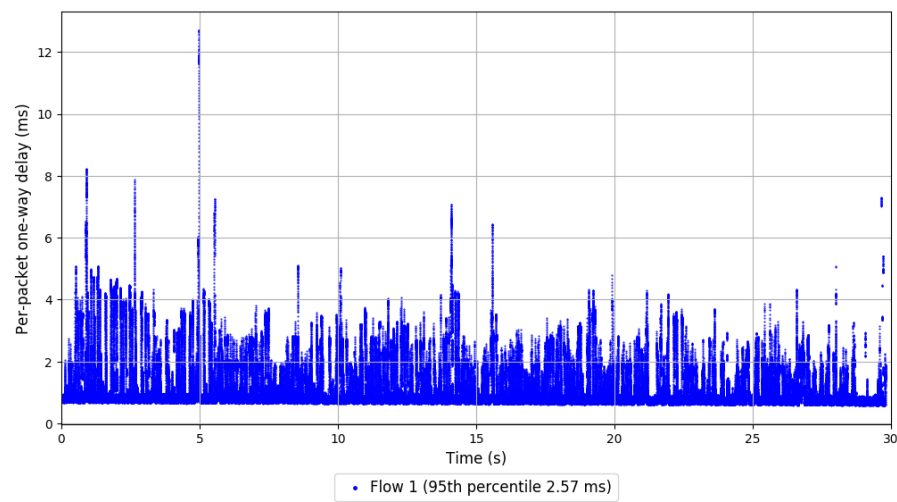
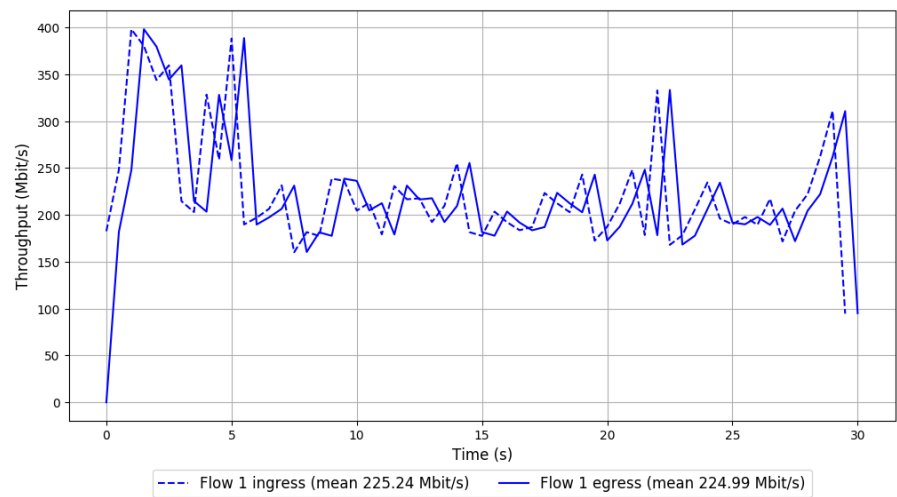


Run 1: Statistics of Indigo

Start at: 2018-07-17 09:00:53
End at: 2018-07-17 09:01:23
Local clock offset: -13.495 ms
Remote clock offset: 0.484 ms

Below is generated by plot.py at 2018-07-17 14:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.99 Mbit/s
95th percentile per-packet one-way delay: 2.574 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 224.99 Mbit/s
95th percentile per-packet one-way delay: 2.574 ms
Loss rate: 0.11%

Run 1: Report of Indigo — Data Link

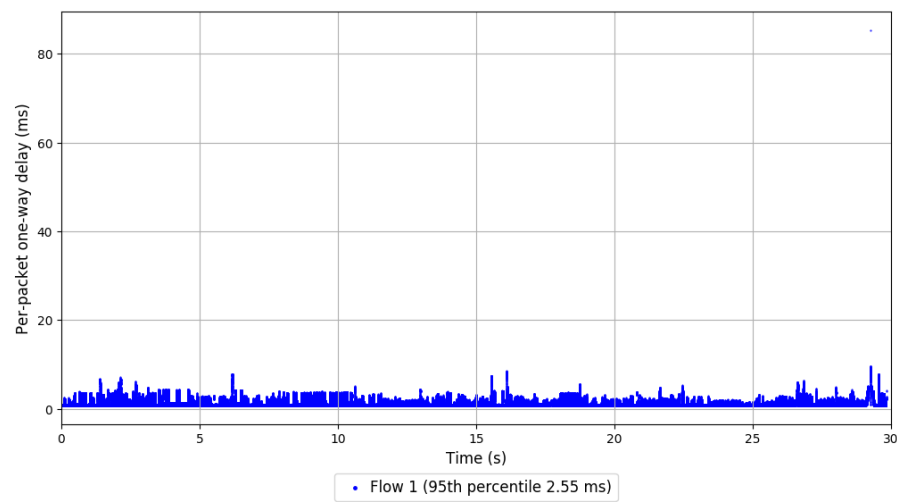
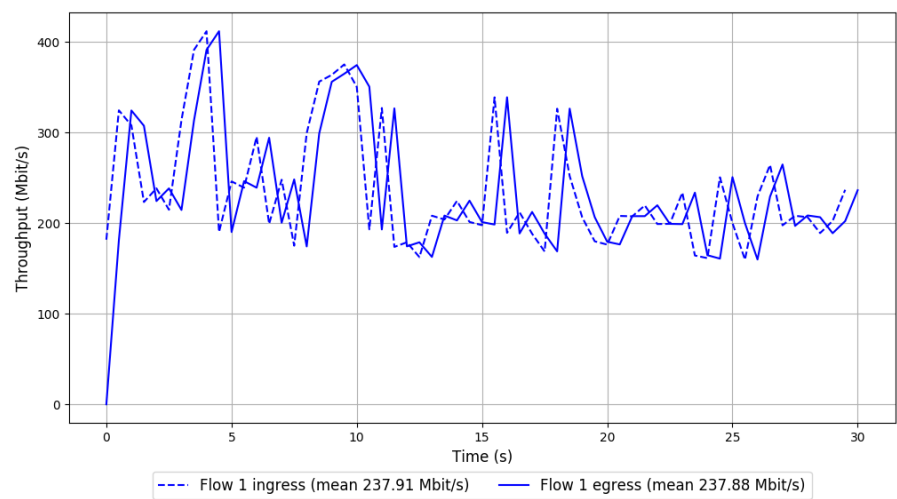


Run 2: Statistics of Indigo

Start at: 2018-07-17 09:26:14
End at: 2018-07-17 09:26:44
Local clock offset: -10.019 ms
Remote clock offset: 0.601 ms

Below is generated by plot.py at 2018-07-17 14:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.88 Mbit/s
95th percentile per-packet one-way delay: 2.553 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 237.88 Mbit/s
95th percentile per-packet one-way delay: 2.553 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-17 09:51:16

End at: 2018-07-17 09:51:46

Local clock offset: -9.436 ms

Remote clock offset: 0.9 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.62 Mbit/s

95th percentile per-packet one-way delay: 1.799 ms

Loss rate: 0.00%

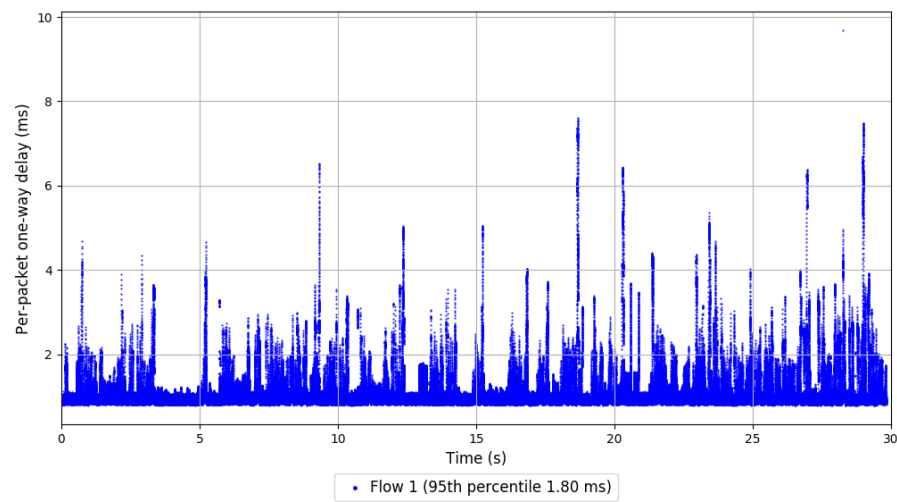
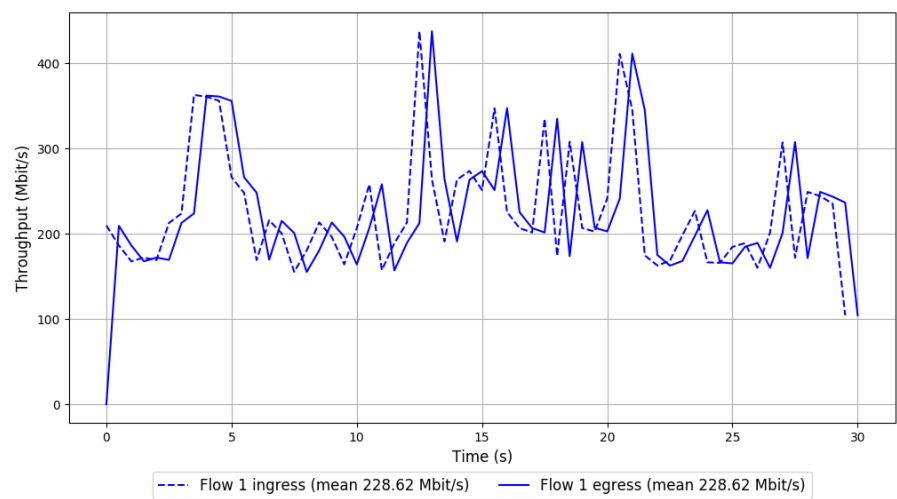
-- Flow 1:

Average throughput: 228.62 Mbit/s

95th percentile per-packet one-way delay: 1.799 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

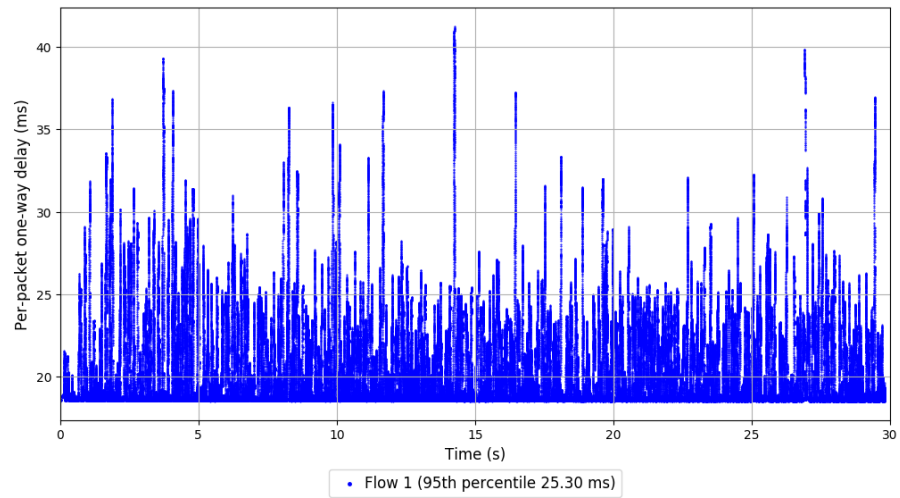
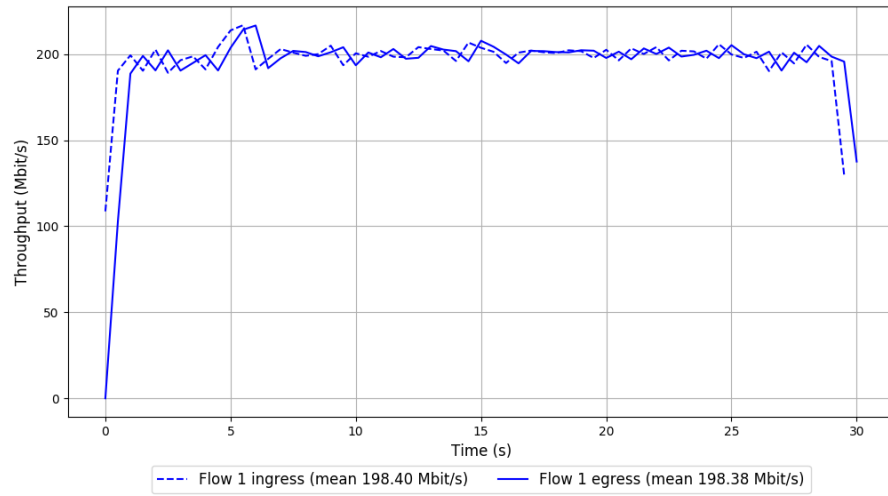


Run 4: Statistics of Indigo

Start at: 2018-07-17 10:17:03
End at: 2018-07-17 10:17:33
Local clock offset: -10.775 ms
Remote clock offset: 1.122 ms

Below is generated by plot.py at 2018-07-17 14:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.38 Mbit/s
95th percentile per-packet one-way delay: 25.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.38 Mbit/s
95th percentile per-packet one-way delay: 25.304 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

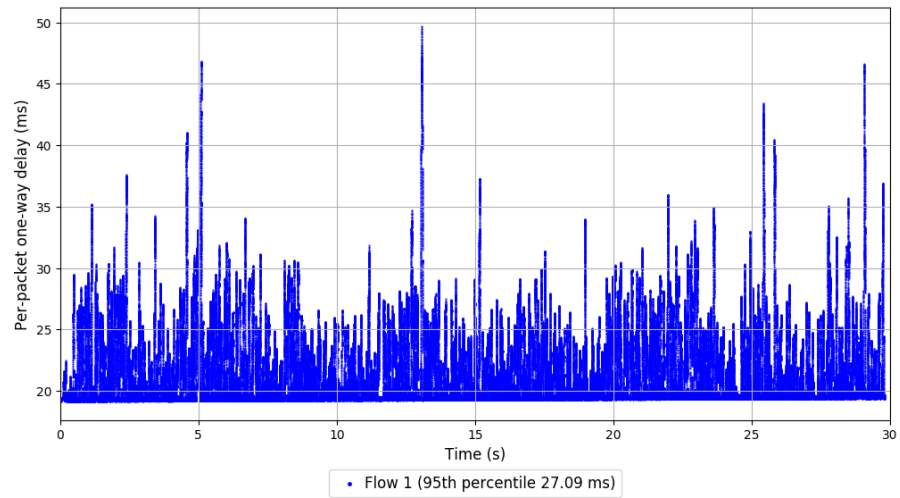
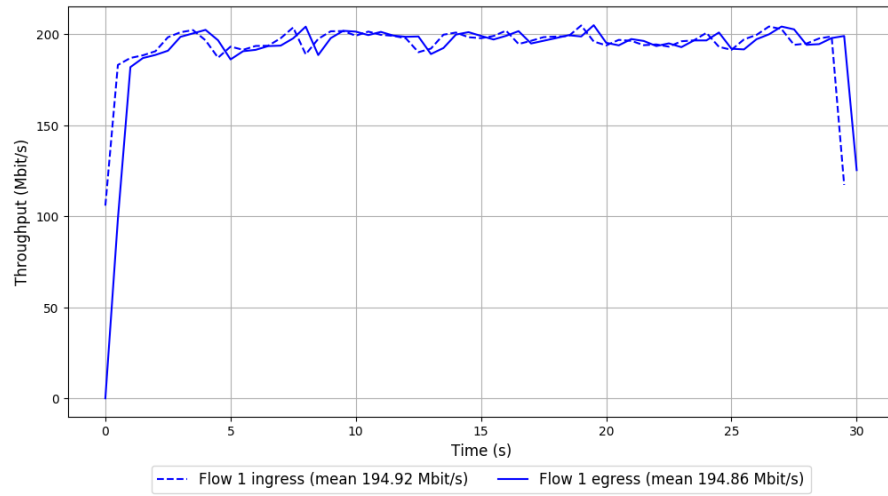


Run 5: Statistics of Indigo

Start at: 2018-07-17 10:42:41
End at: 2018-07-17 10:43:11
Local clock offset: -10.342 ms
Remote clock offset: 1.11 ms

Below is generated by plot.py at 2018-07-17 14:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.86 Mbit/s
95th percentile per-packet one-way delay: 27.085 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 194.86 Mbit/s
95th percentile per-packet one-way delay: 27.085 ms
Loss rate: 0.03%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-17 11:08:16

End at: 2018-07-17 11:08:46

Local clock offset: -5.657 ms

Remote clock offset: 1.376 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.47 Mbit/s

95th percentile per-packet one-way delay: 24.455 ms

Loss rate: 0.00%

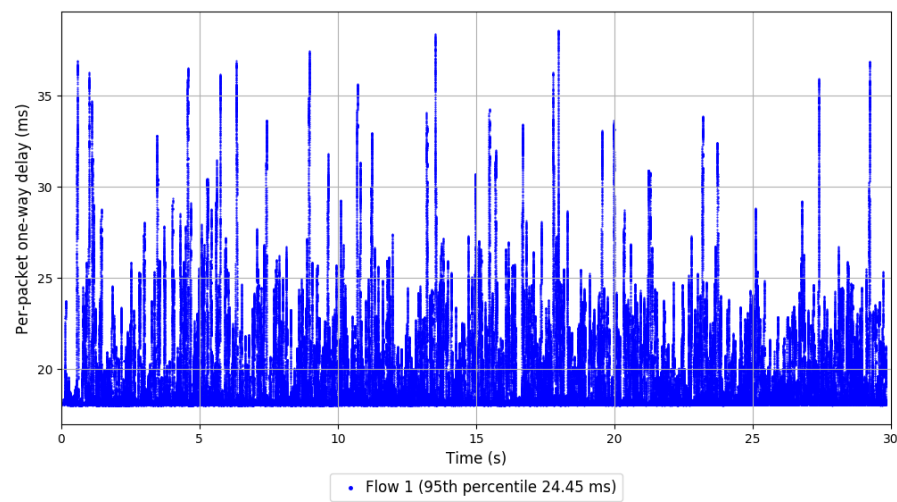
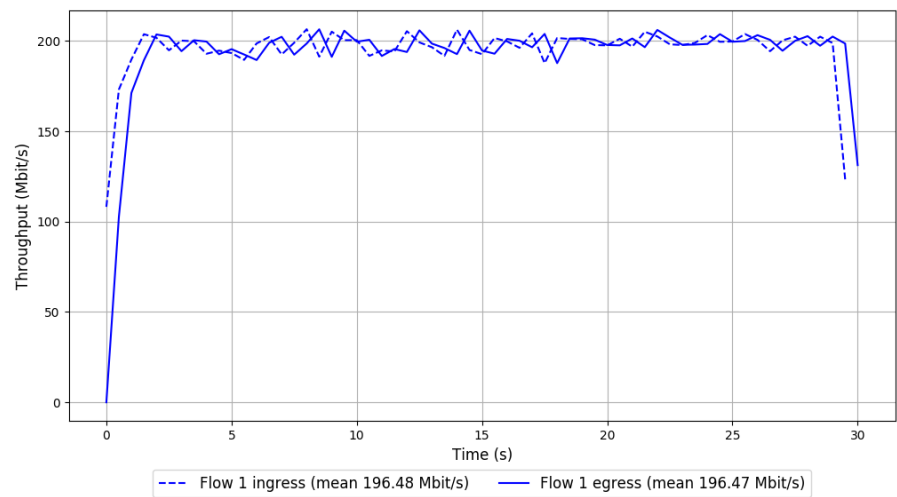
-- Flow 1:

Average throughput: 196.47 Mbit/s

95th percentile per-packet one-way delay: 24.455 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

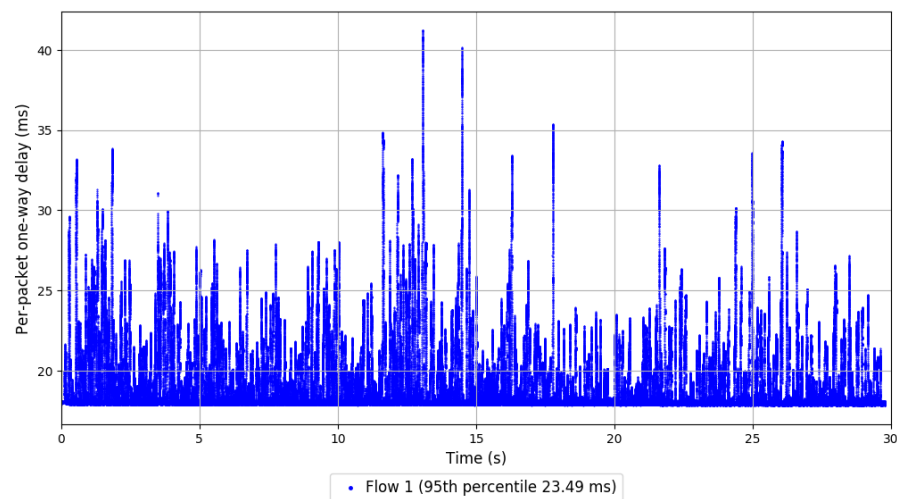
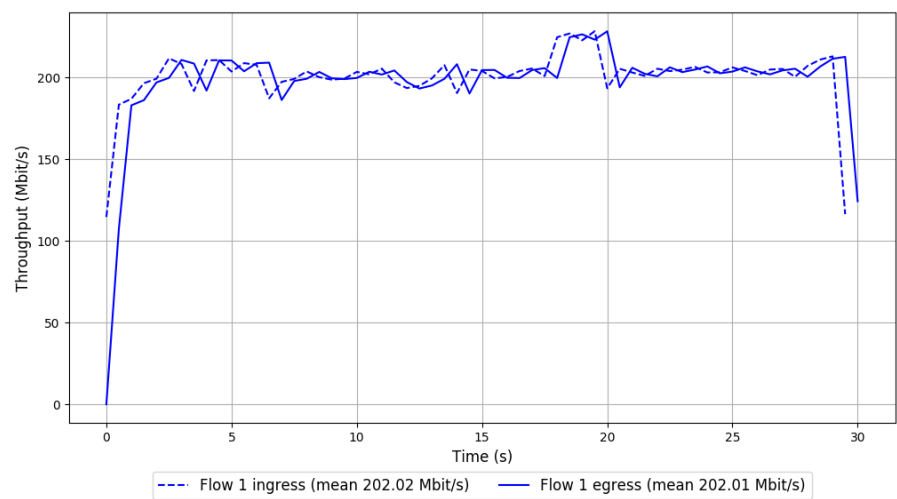


Run 7: Statistics of Indigo

Start at: 2018-07-17 11:33:49
End at: 2018-07-17 11:34:19
Local clock offset: -12.092 ms
Remote clock offset: 1.579 ms

Below is generated by plot.py at 2018-07-17 14:20:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.01 Mbit/s
95th percentile per-packet one-way delay: 23.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.01 Mbit/s
95th percentile per-packet one-way delay: 23.493 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-17 11:59:19

End at: 2018-07-17 11:59:49

Local clock offset: -6.905 ms

Remote clock offset: 1.538 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.07 Mbit/s

95th percentile per-packet one-way delay: 24.389 ms

Loss rate: 0.01%

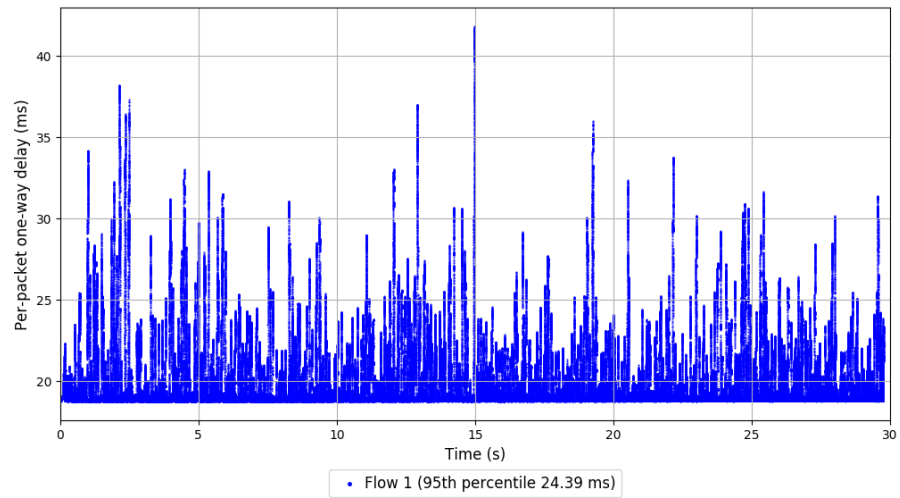
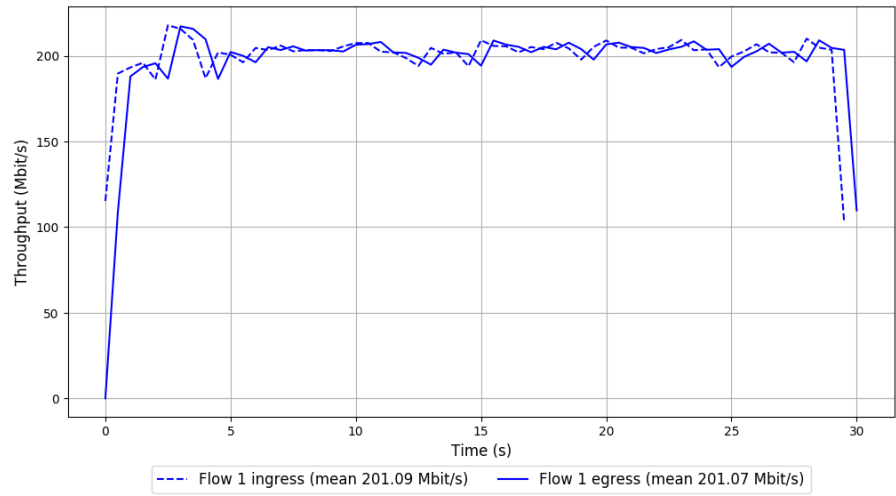
-- Flow 1:

Average throughput: 201.07 Mbit/s

95th percentile per-packet one-way delay: 24.389 ms

Loss rate: 0.01%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-17 12:24:50

End at: 2018-07-17 12:25:20

Local clock offset: 1.038 ms

Remote clock offset: 1.351 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.97 Mbit/s

95th percentile per-packet one-way delay: 27.829 ms

Loss rate: 0.10%

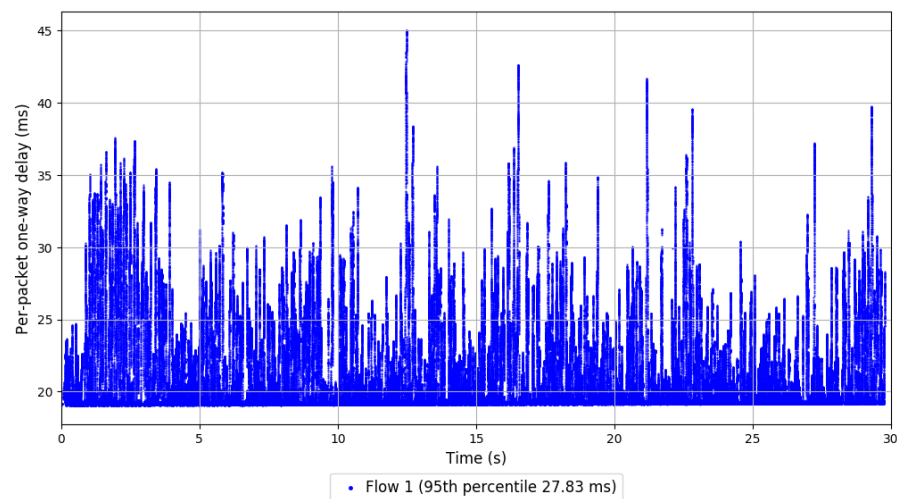
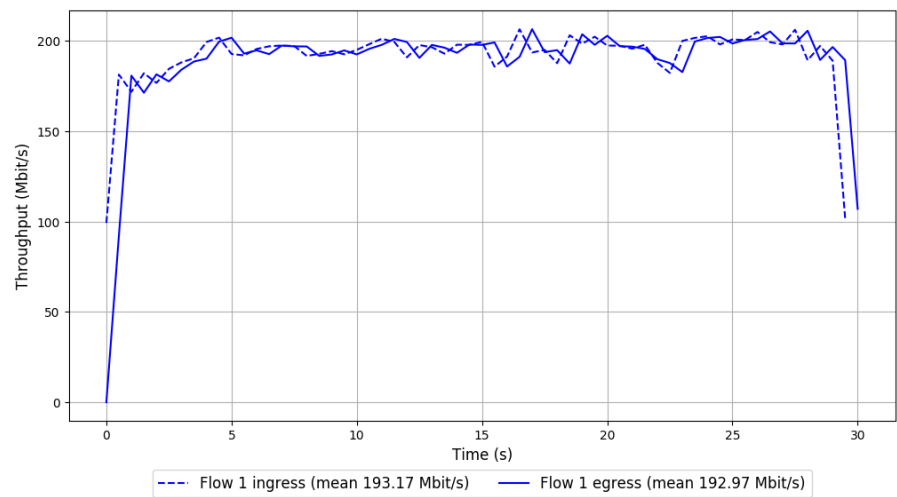
-- Flow 1:

Average throughput: 192.97 Mbit/s

95th percentile per-packet one-way delay: 27.829 ms

Loss rate: 0.10%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-17 12:50:22

End at: 2018-07-17 12:50:52

Local clock offset: 1.733 ms

Remote clock offset: 0.845 ms

Below is generated by plot.py at 2018-07-17 14:20:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.09 Mbit/s

95th percentile per-packet one-way delay: 20.727 ms

Loss rate: 0.10%

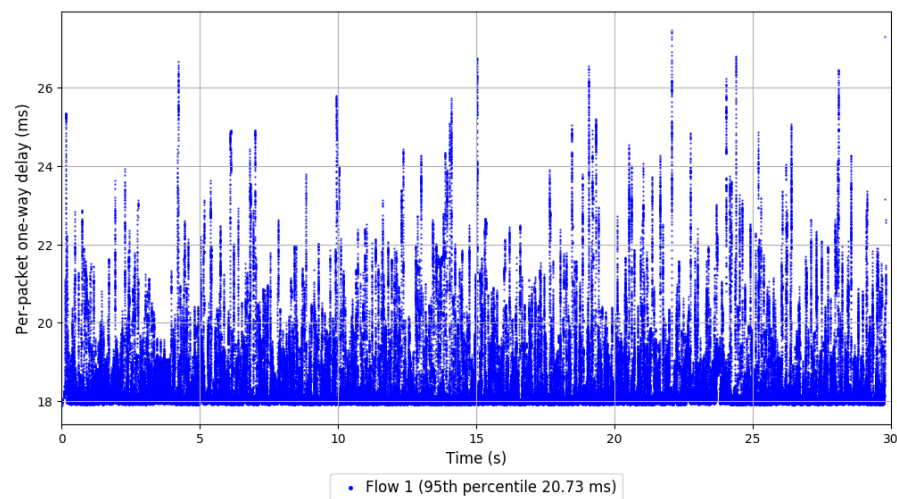
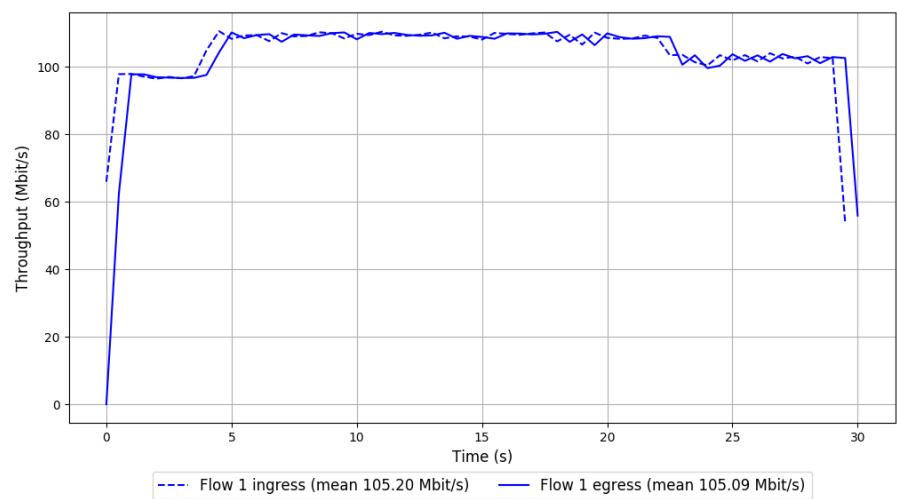
-- Flow 1:

Average throughput: 105.09 Mbit/s

95th percentile per-packet one-way delay: 20.727 ms

Loss rate: 0.10%

Run 10: Report of Indigo — Data Link

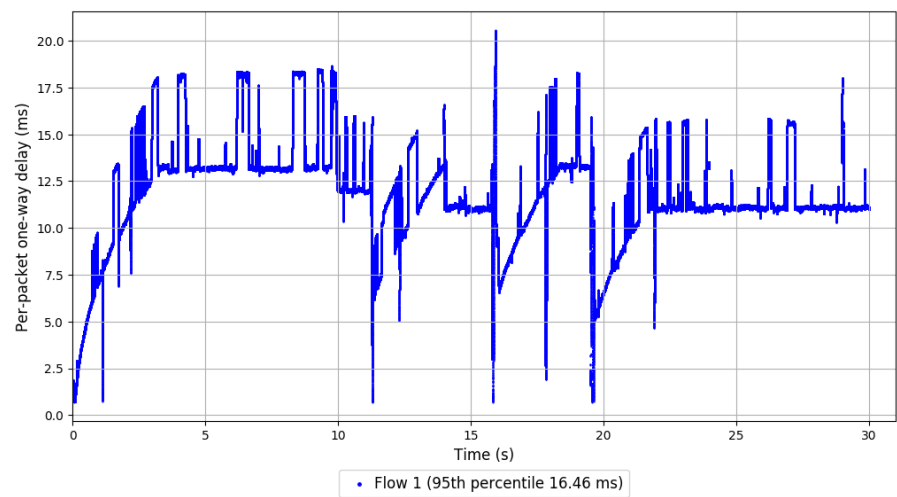
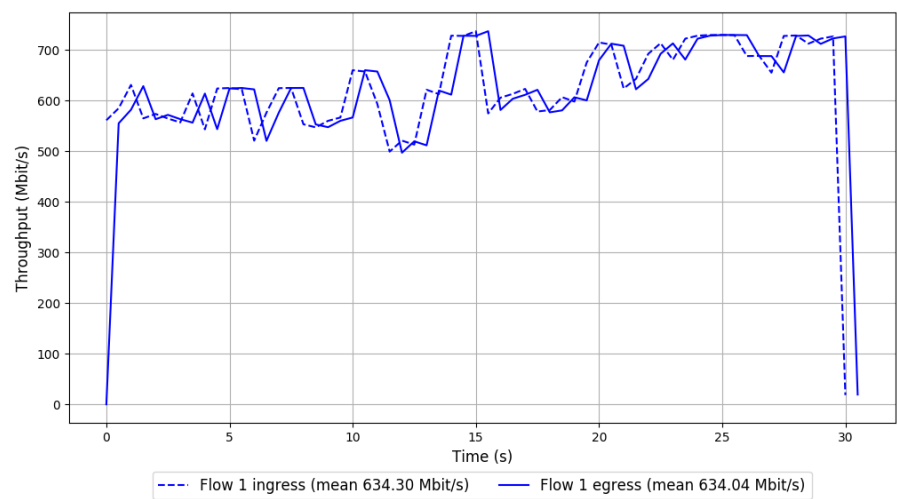


Run 1: Statistics of LEDBAT

Start at: 2018-07-17 09:05:15
End at: 2018-07-17 09:05:45
Local clock offset: -14.296 ms
Remote clock offset: 0.521 ms

Below is generated by plot.py at 2018-07-17 14:25:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 634.04 Mbit/s
95th percentile per-packet one-way delay: 16.463 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 634.04 Mbit/s
95th percentile per-packet one-way delay: 16.463 ms
Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link

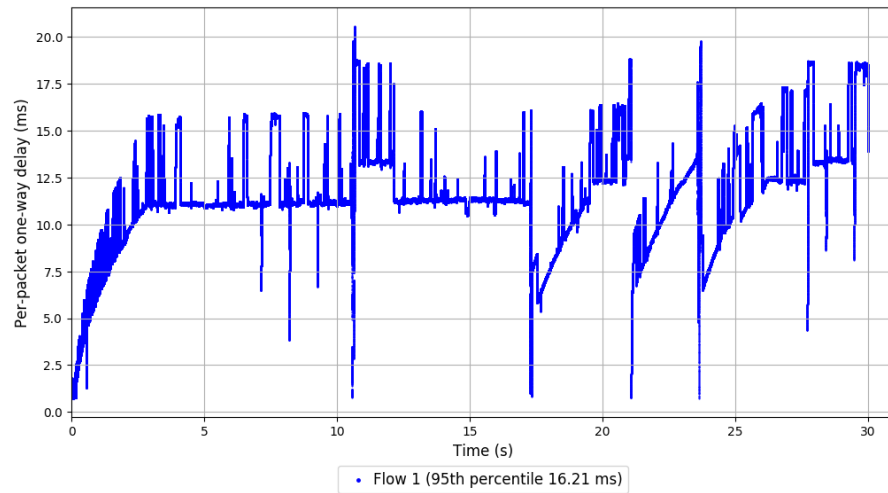
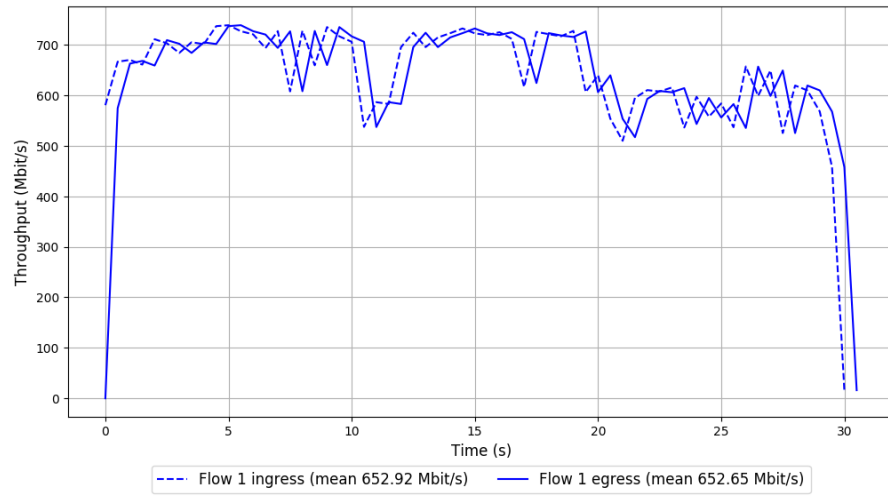


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 09:30:36
End at: 2018-07-17 09:31:06
Local clock offset: -10.025 ms
Remote clock offset: 0.634 ms

Below is generated by plot.py at 2018-07-17 14:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 652.65 Mbit/s
95th percentile per-packet one-way delay: 16.207 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 652.65 Mbit/s
95th percentile per-packet one-way delay: 16.207 ms
Loss rate: 0.04%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-17 09:55:38

End at: 2018-07-17 09:56:08

Local clock offset: -9.458 ms

Remote clock offset: 0.865 ms

Below is generated by plot.py at 2018-07-17 14:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.74 Mbit/s

95th percentile per-packet one-way delay: 18.827 ms

Loss rate: 0.00%

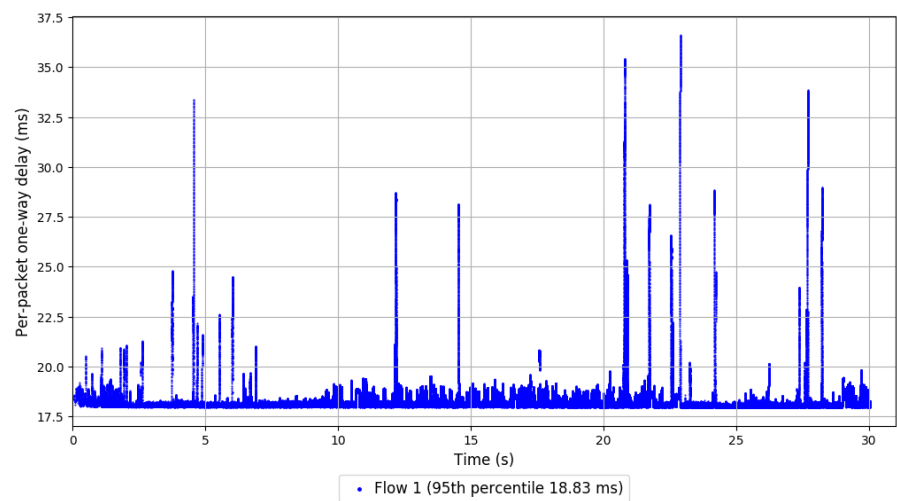
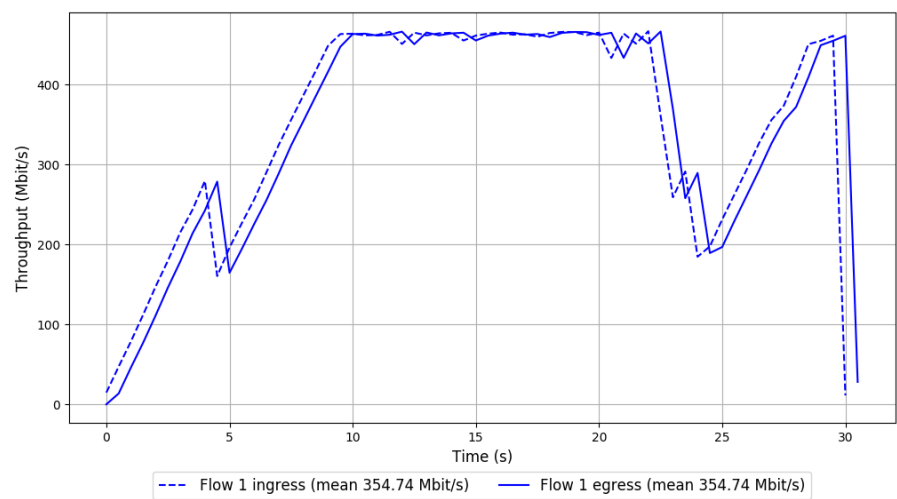
-- Flow 1:

Average throughput: 354.74 Mbit/s

95th percentile per-packet one-way delay: 18.827 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

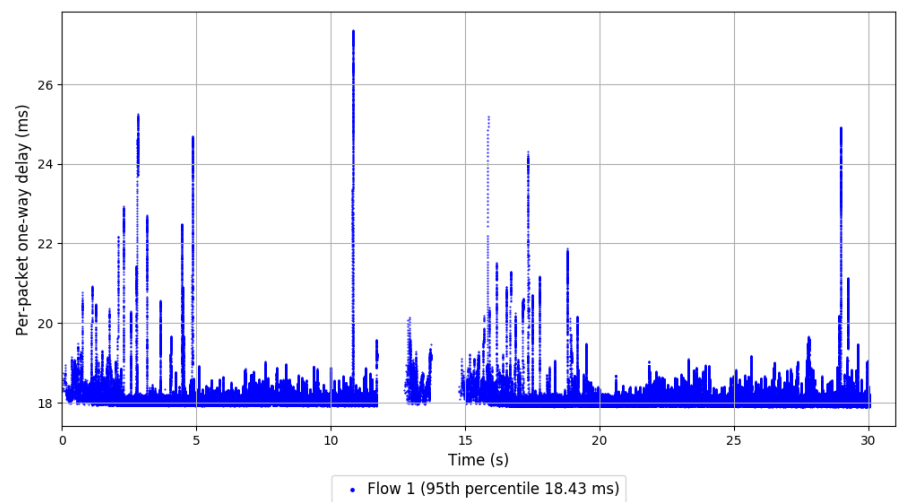
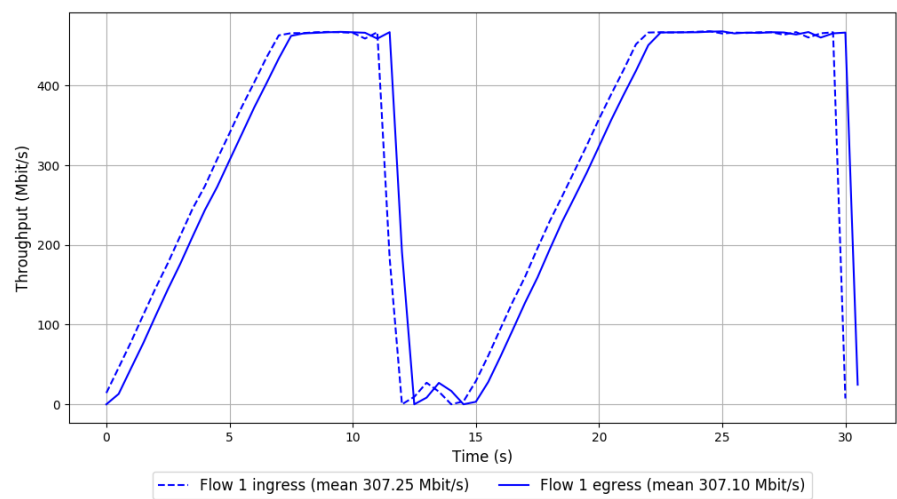


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 10:21:32
End at: 2018-07-17 10:22:02
Local clock offset: -11.216 ms
Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-07-17 14:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.10 Mbit/s
95th percentile per-packet one-way delay: 18.432 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 307.10 Mbit/s
95th percentile per-packet one-way delay: 18.432 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-17 10:47:11

End at: 2018-07-17 10:47:41

Local clock offset: -8.529 ms

Remote clock offset: 1.121 ms

Below is generated by plot.py at 2018-07-17 14:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.04 Mbit/s

95th percentile per-packet one-way delay: 19.633 ms

Loss rate: 0.02%

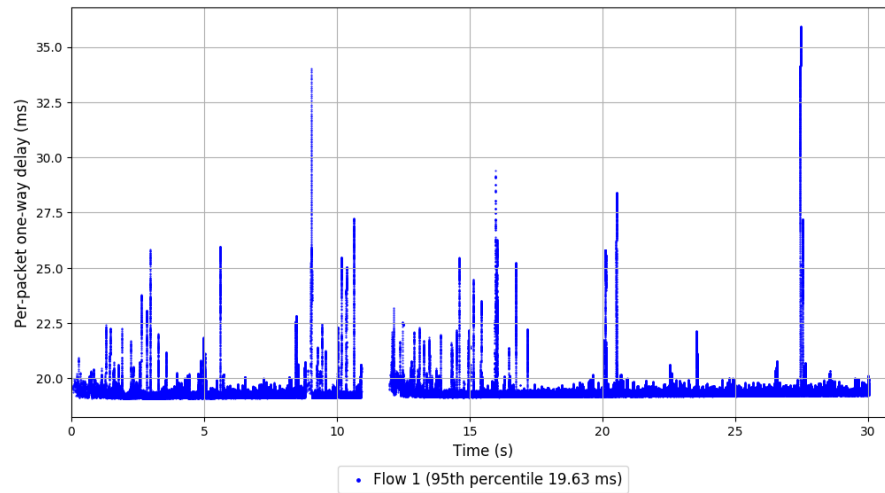
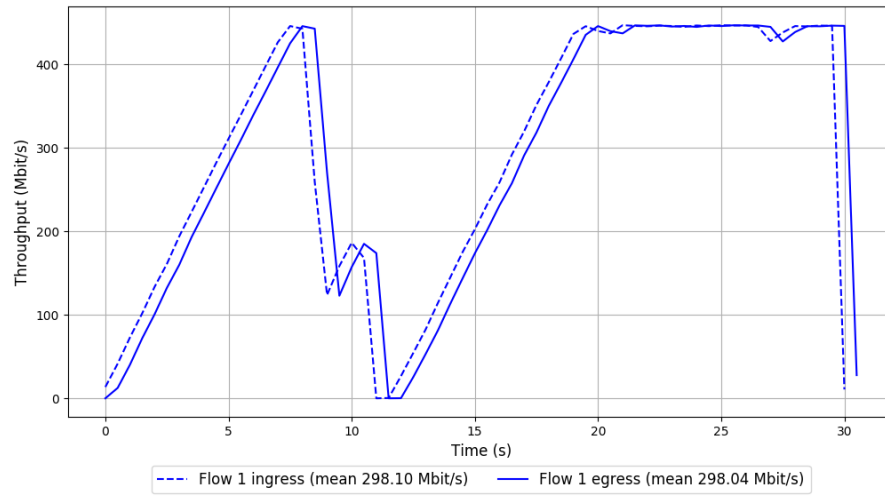
-- Flow 1:

Average throughput: 298.04 Mbit/s

95th percentile per-packet one-way delay: 19.633 ms

Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-17 11:12:46

End at: 2018-07-17 11:13:16

Local clock offset: -7.589 ms

Remote clock offset: 1.395 ms

Below is generated by plot.py at 2018-07-17 14:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.37 Mbit/s

95th percentile per-packet one-way delay: 18.597 ms

Loss rate: 0.03%

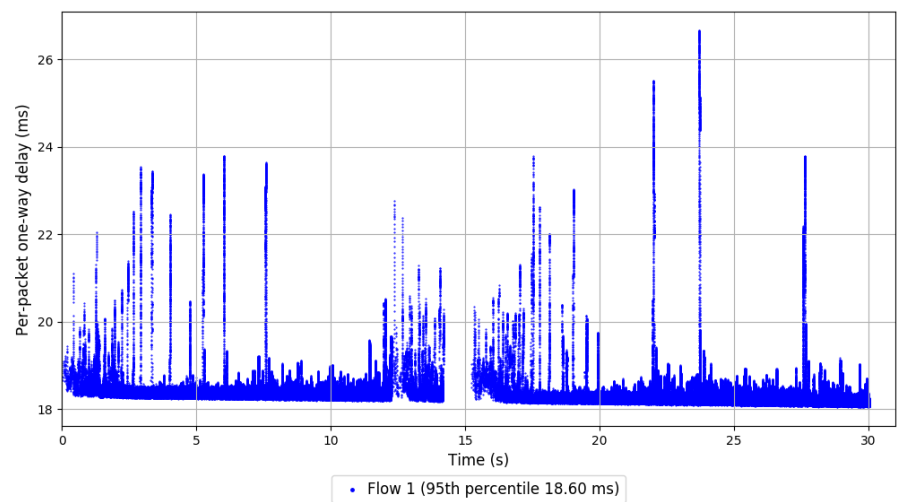
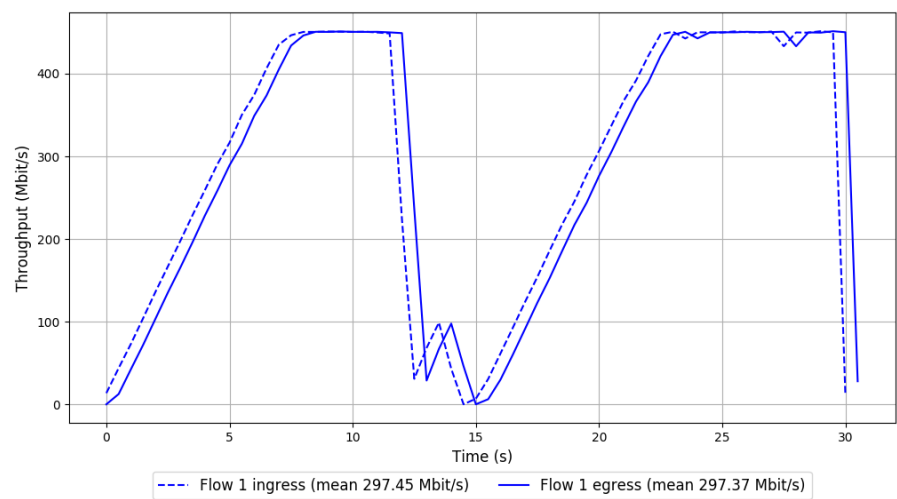
-- Flow 1:

Average throughput: 297.37 Mbit/s

95th percentile per-packet one-way delay: 18.597 ms

Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

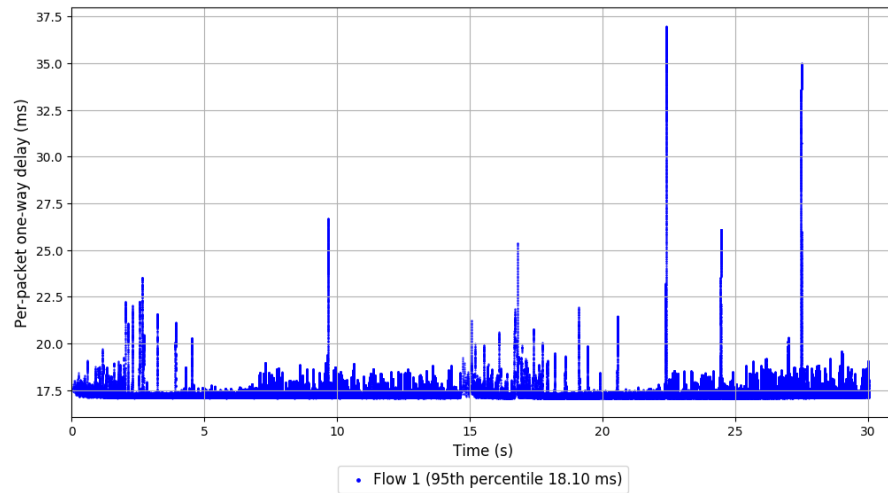
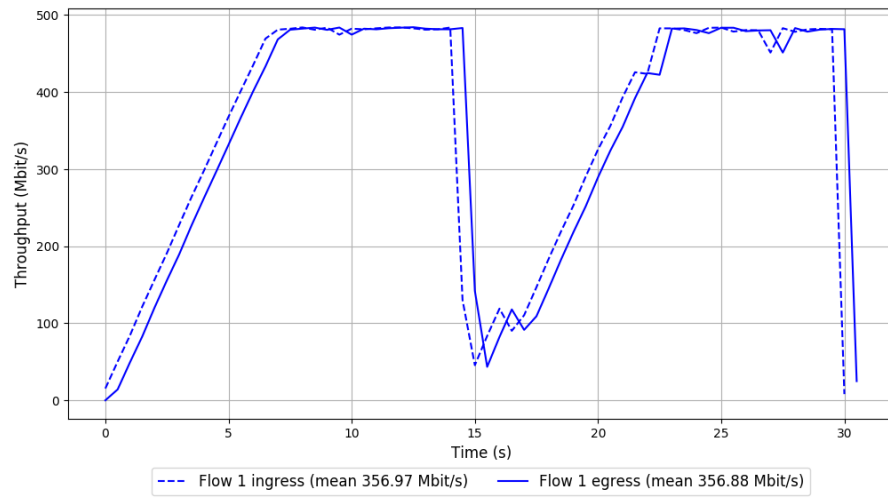


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 11:38:20
End at: 2018-07-17 11:38:50
Local clock offset: -12.459 ms
Remote clock offset: 1.59 ms

Below is generated by plot.py at 2018-07-17 14:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.88 Mbit/s
95th percentile per-packet one-way delay: 18.100 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 356.88 Mbit/s
95th percentile per-packet one-way delay: 18.100 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-17 12:03:50

End at: 2018-07-17 12:04:20

Local clock offset: -6.649 ms

Remote clock offset: 1.574 ms

Below is generated by plot.py at 2018-07-17 14:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.13 Mbit/s

95th percentile per-packet one-way delay: 19.401 ms

Loss rate: 0.01%

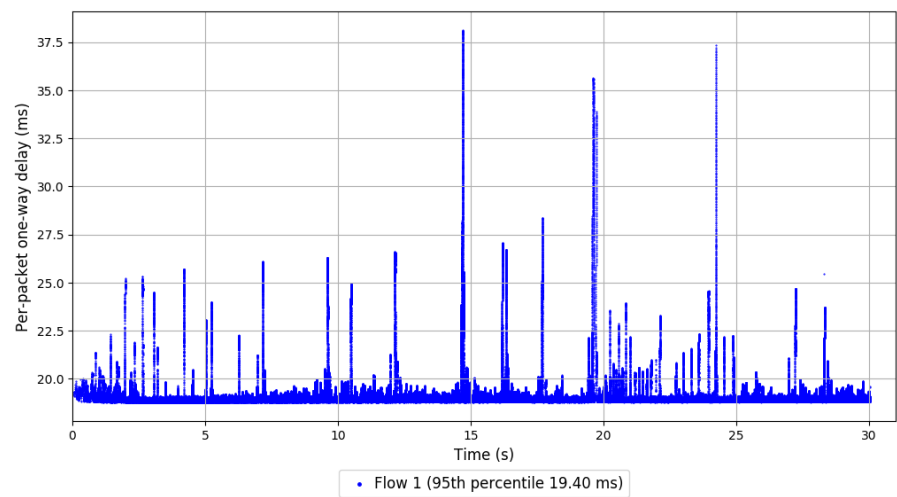
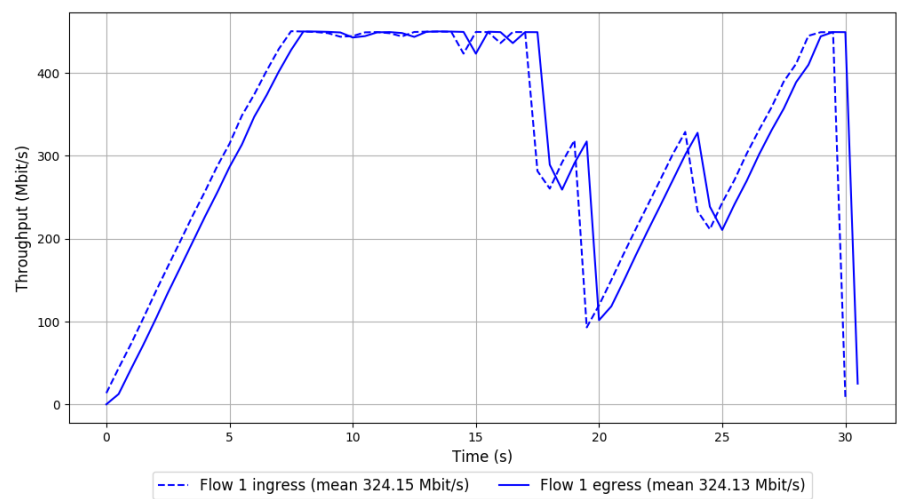
-- Flow 1:

Average throughput: 324.13 Mbit/s

95th percentile per-packet one-way delay: 19.401 ms

Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-17 12:29:21

End at: 2018-07-17 12:29:52

Local clock offset: 2.005 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-07-17 14:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.15 Mbit/s

95th percentile per-packet one-way delay: 19.391 ms

Loss rate: 0.04%

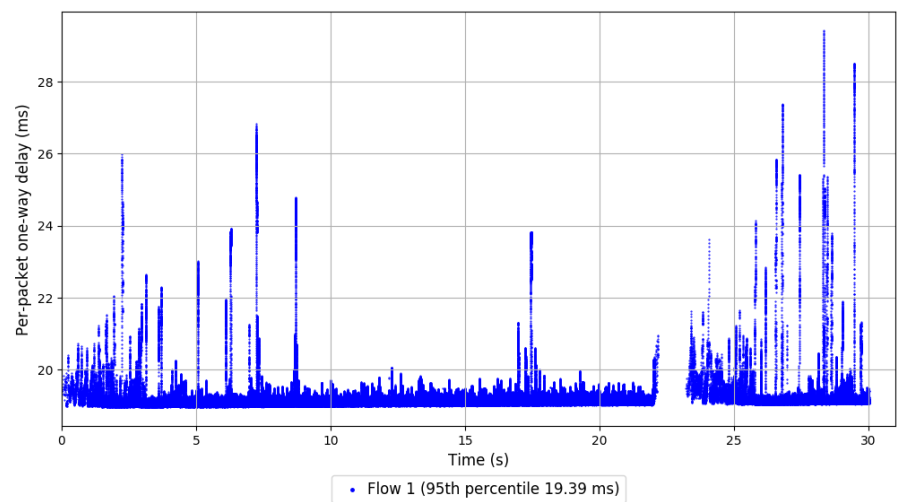
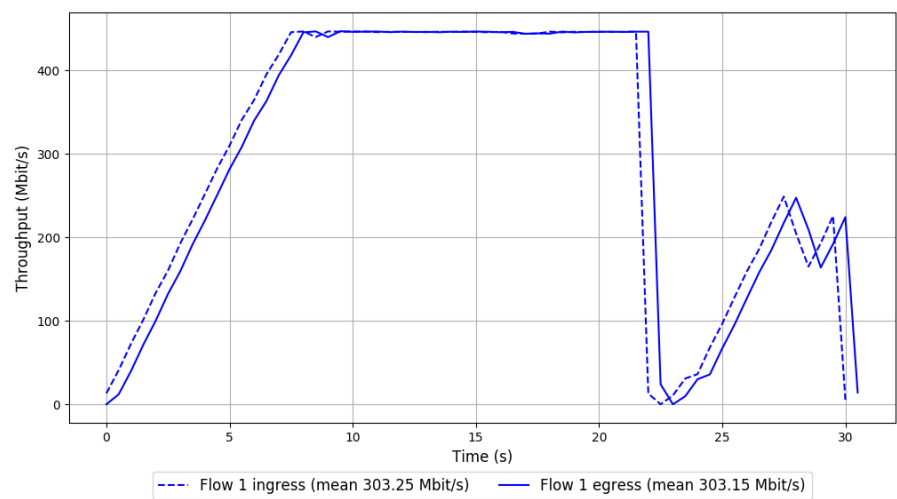
-- Flow 1:

Average throughput: 303.15 Mbit/s

95th percentile per-packet one-way delay: 19.391 ms

Loss rate: 0.04%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-17 12:54:48

End at: 2018-07-17 12:55:18

Local clock offset: 1.623 ms

Remote clock offset: 0.765 ms

Below is generated by plot.py at 2018-07-17 14:26:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.21 Mbit/s

95th percentile per-packet one-way delay: 19.308 ms

Loss rate: 0.00%

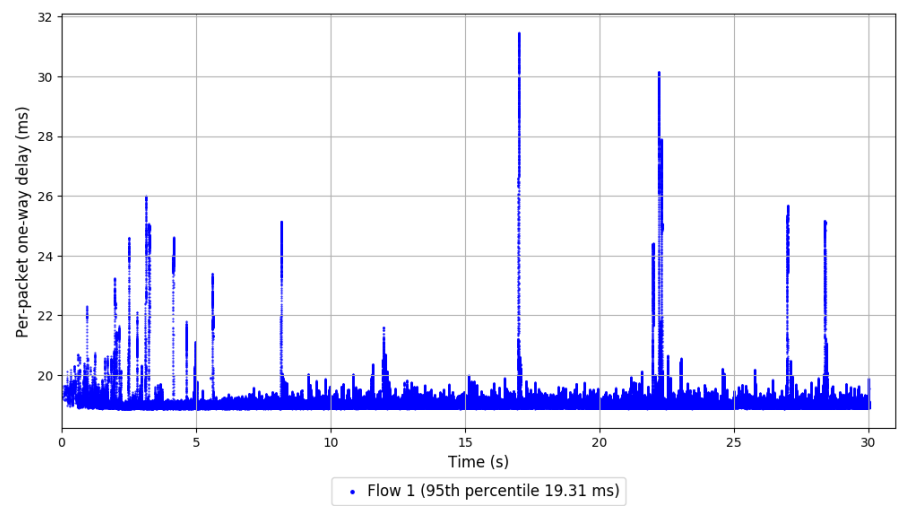
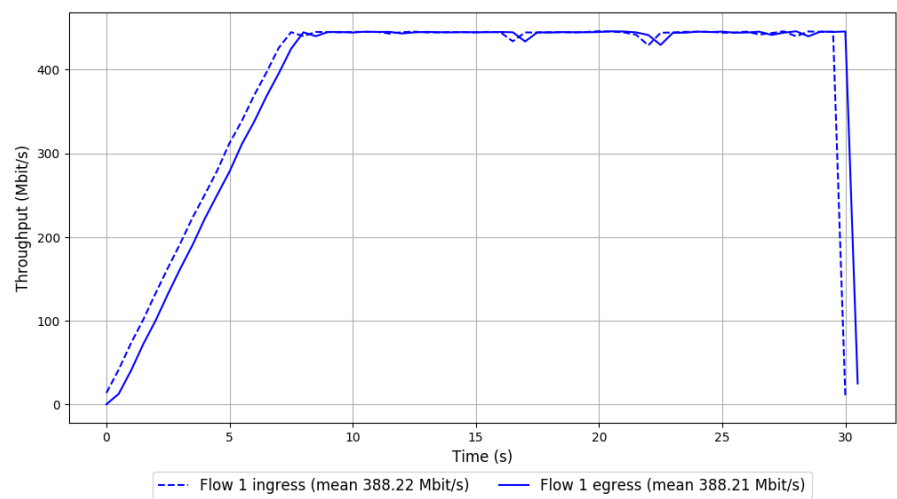
-- Flow 1:

Average throughput: 388.21 Mbit/s

95th percentile per-packet one-way delay: 19.308 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

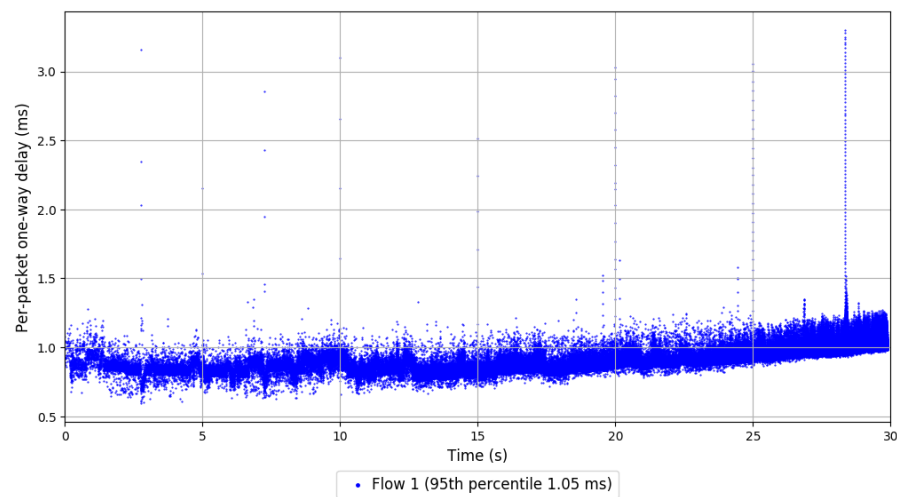
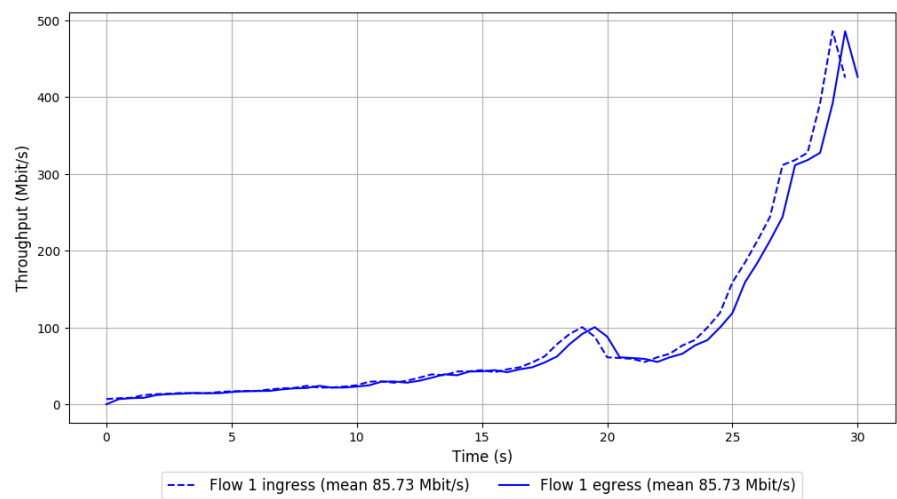


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 09:08:41
End at: 2018-07-17 09:09:11
Local clock offset: -14.954 ms
Remote clock offset: 0.559 ms

# Below is generated by plot.py at 2018-07-17 14:26:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

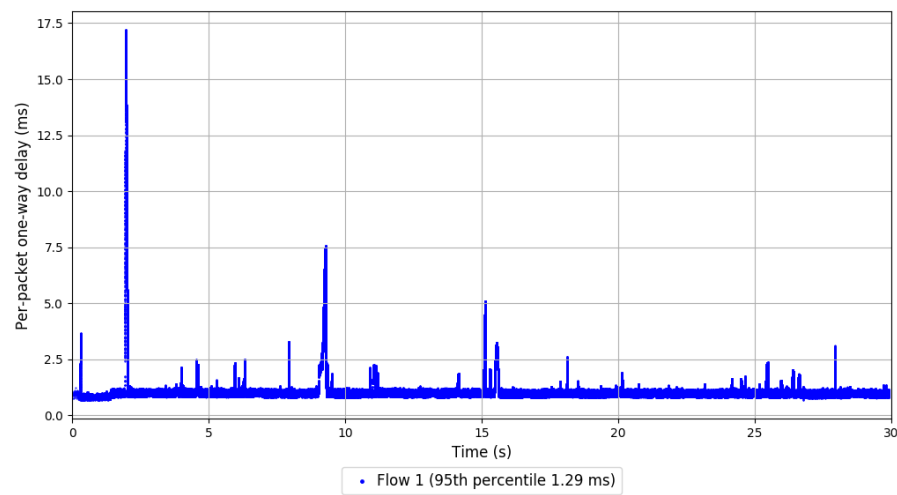
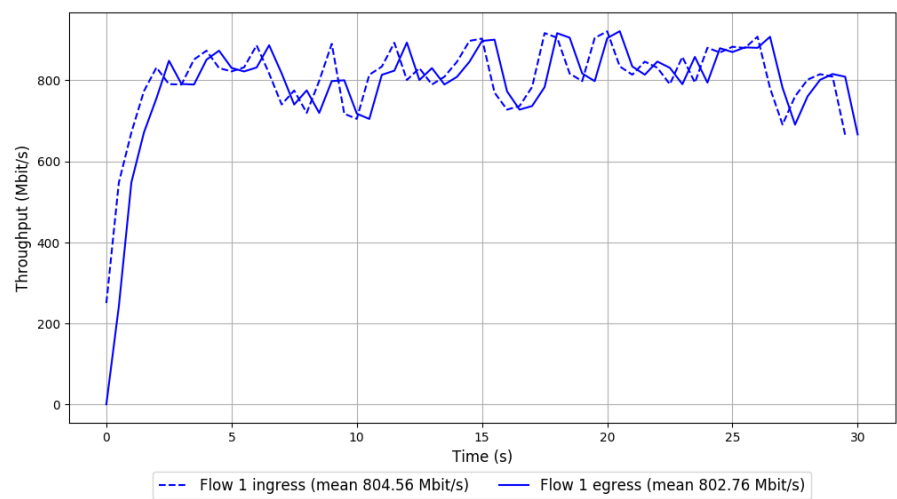


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 09:34:01
End at: 2018-07-17 09:34:31
Local clock offset: -10.152 ms
Remote clock offset: 0.676 ms

Below is generated by plot.py at 2018-07-17 14:32:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 802.76 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 802.76 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.22%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 09:58:51

End at: 2018-07-17 09:59:21

Local clock offset: -9.579 ms

Remote clock offset: 0.878 ms

Below is generated by plot.py at 2018-07-17 14:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 920.99 Mbit/s

95th percentile per-packet one-way delay: 27.073 ms

Loss rate: 0.79%

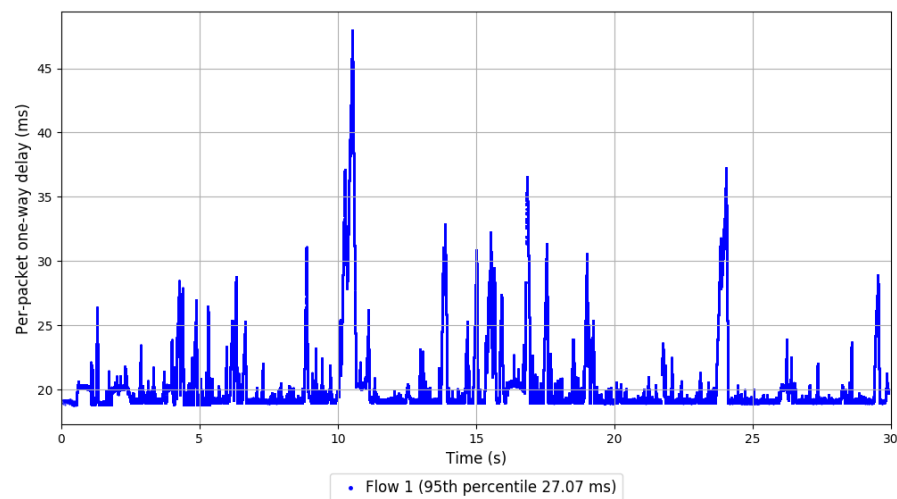
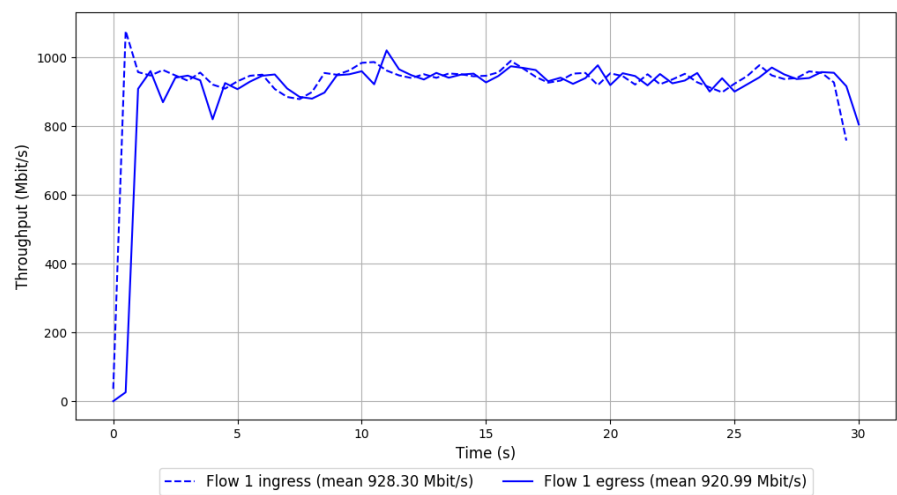
-- Flow 1:

Average throughput: 920.99 Mbit/s

95th percentile per-packet one-way delay: 27.073 ms

Loss rate: 0.79%

Run 3: Report of PCC-Allegro — Data Link

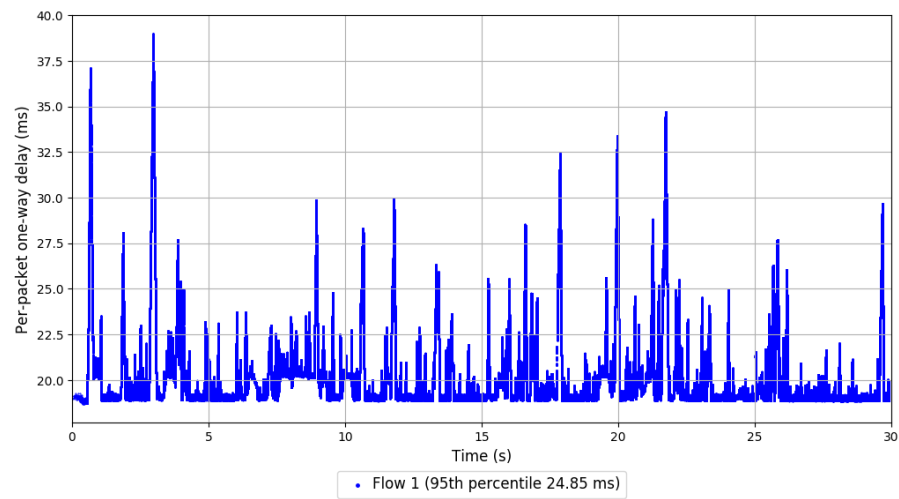
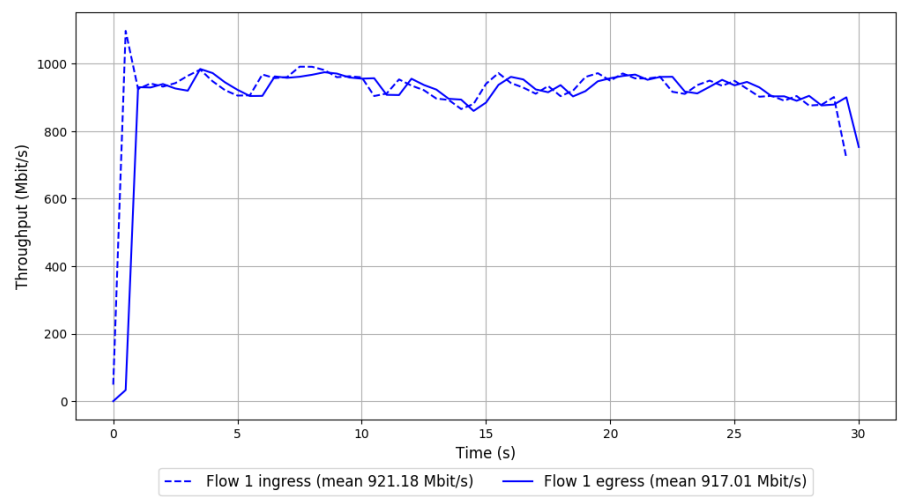


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 10:24:42
End at: 2018-07-17 10:25:12
Local clock offset: -11.489 ms
Remote clock offset: 1.161 ms

Below is generated by plot.py at 2018-07-17 14:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 917.01 Mbit/s
95th percentile per-packet one-way delay: 24.853 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 917.01 Mbit/s
95th percentile per-packet one-way delay: 24.853 ms
Loss rate: 0.45%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 10:50:21

End at: 2018-07-17 10:50:51

Local clock offset: -7.602 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-07-17 14:35:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 898.09 Mbit/s

95th percentile per-packet one-way delay: 24.625 ms

Loss rate: 0.13%

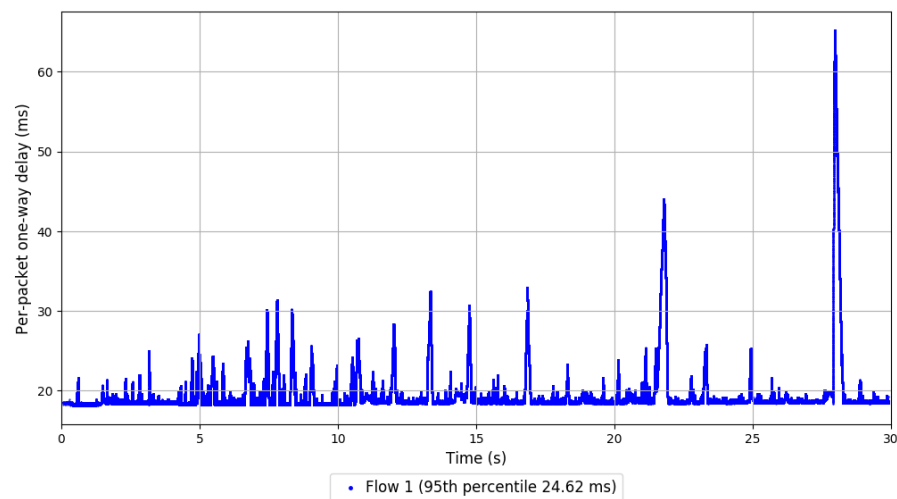
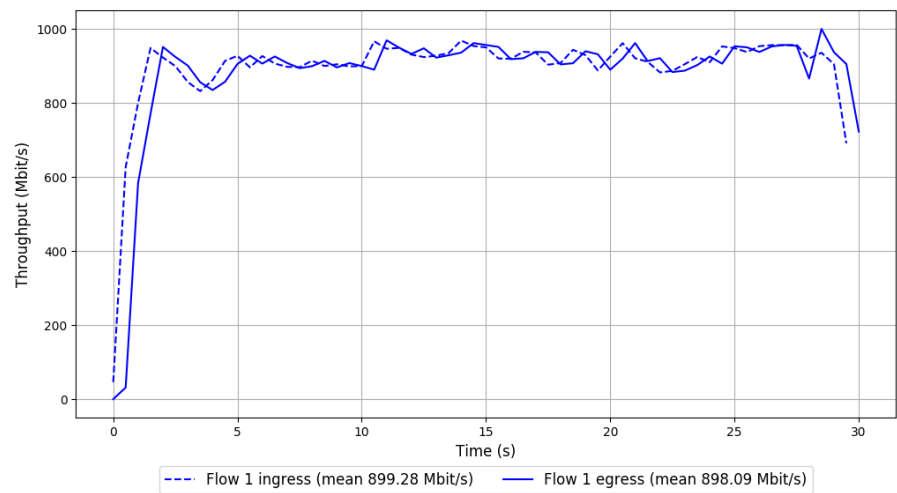
-- Flow 1:

Average throughput: 898.09 Mbit/s

95th percentile per-packet one-way delay: 24.625 ms

Loss rate: 0.13%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 11:15:55

End at: 2018-07-17 11:16:25

Local clock offset: -8.91 ms

Remote clock offset: 1.423 ms

Below is generated by plot.py at 2018-07-17 14:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 891.07 Mbit/s

95th percentile per-packet one-way delay: 30.848 ms

Loss rate: 0.20%

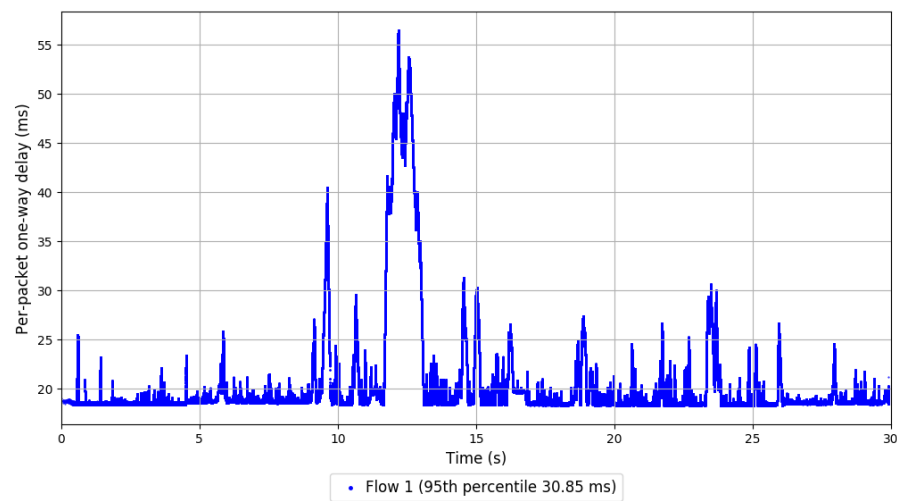
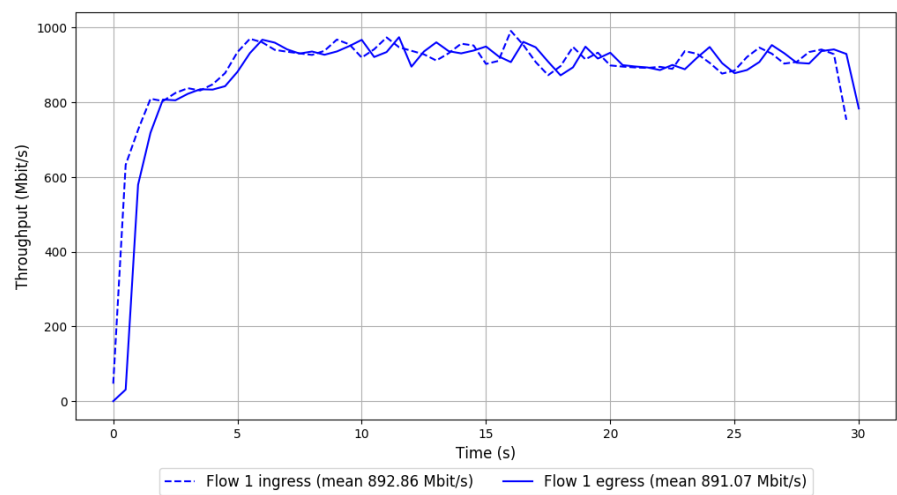
-- Flow 1:

Average throughput: 891.07 Mbit/s

95th percentile per-packet one-way delay: 30.848 ms

Loss rate: 0.20%

Run 6: Report of PCC-Allegro — Data Link

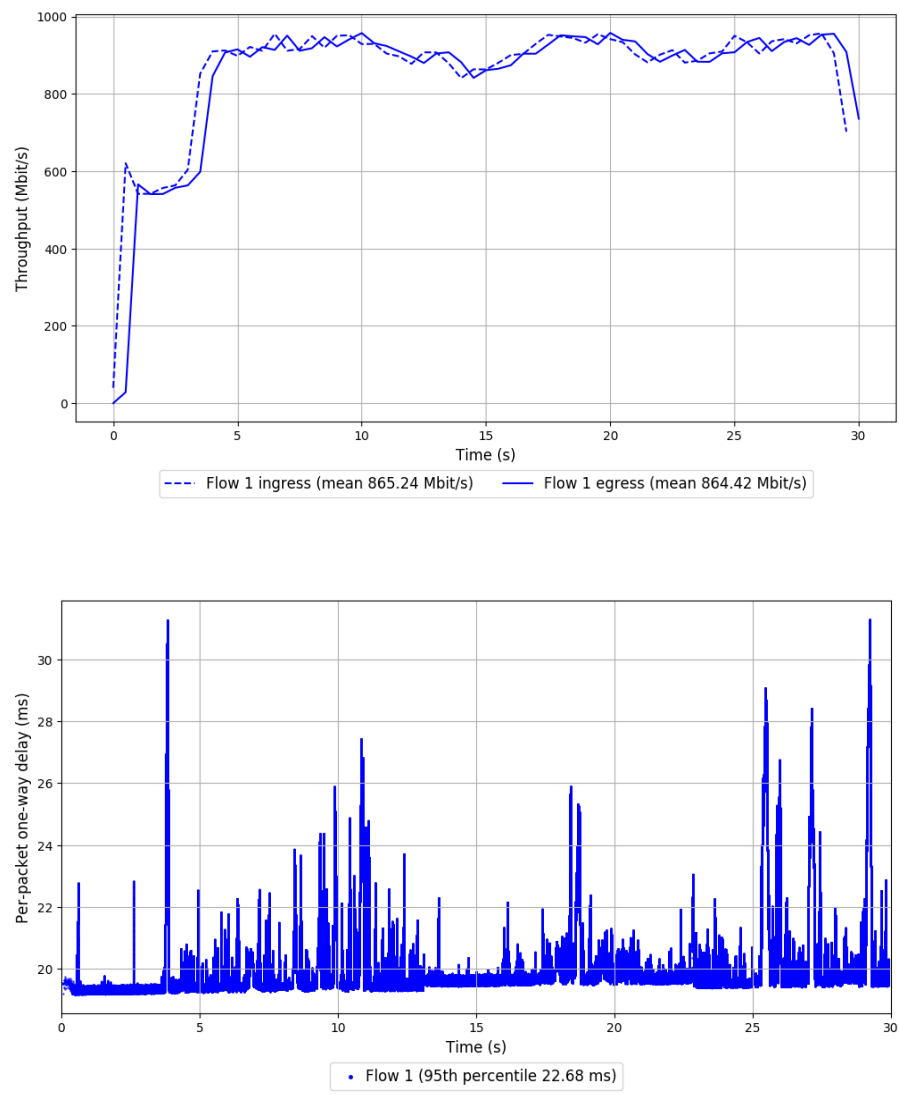


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 11:41:28
End at: 2018-07-17 11:41:58
Local clock offset: -11.184 ms
Remote clock offset: 1.683 ms

Below is generated by plot.py at 2018-07-17 14:36:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 864.42 Mbit/s
95th percentile per-packet one-way delay: 22.681 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 864.42 Mbit/s
95th percentile per-packet one-way delay: 22.681 ms
Loss rate: 0.10%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 12:06:57

End at: 2018-07-17 12:07:27

Local clock offset: -6.399 ms

Remote clock offset: 1.49 ms

Below is generated by plot.py at 2018-07-17 14:36:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 893.72 Mbit/s

95th percentile per-packet one-way delay: 19.266 ms

Loss rate: 0.29%

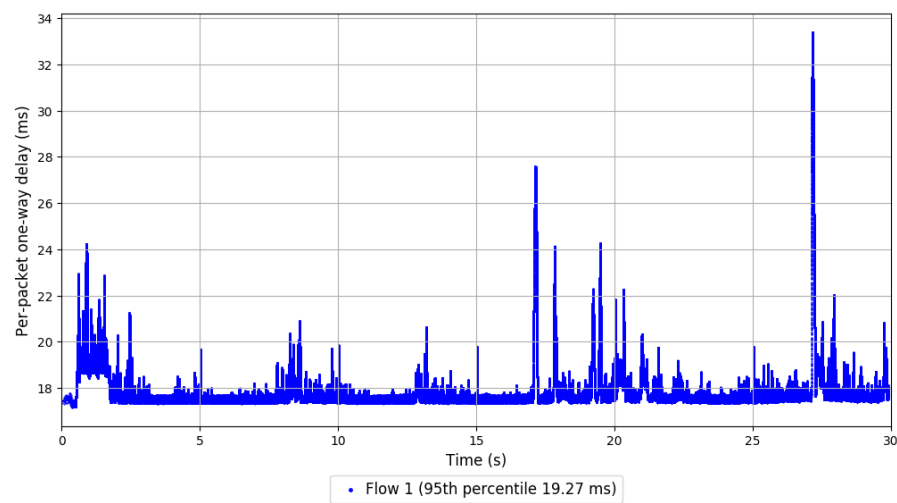
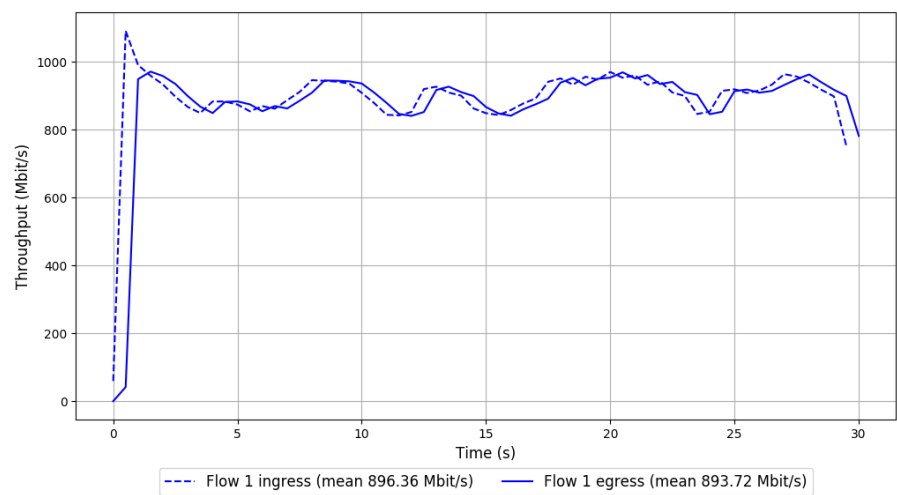
-- Flow 1:

Average throughput: 893.72 Mbit/s

95th percentile per-packet one-way delay: 19.266 ms

Loss rate: 0.29%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 12:32:29

End at: 2018-07-17 12:32:59

Local clock offset: 2.588 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2018-07-17 14:38:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 903.43 Mbit/s

95th percentile per-packet one-way delay: 19.163 ms

Loss rate: 0.52%

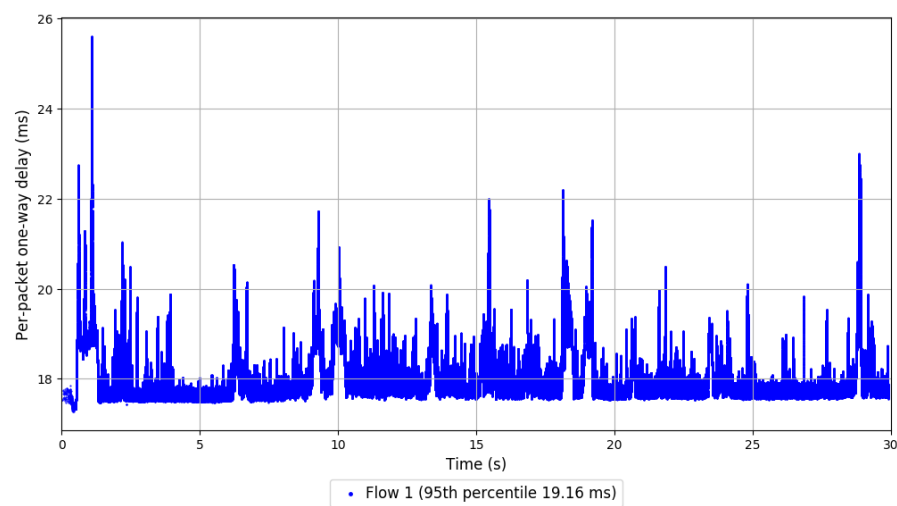
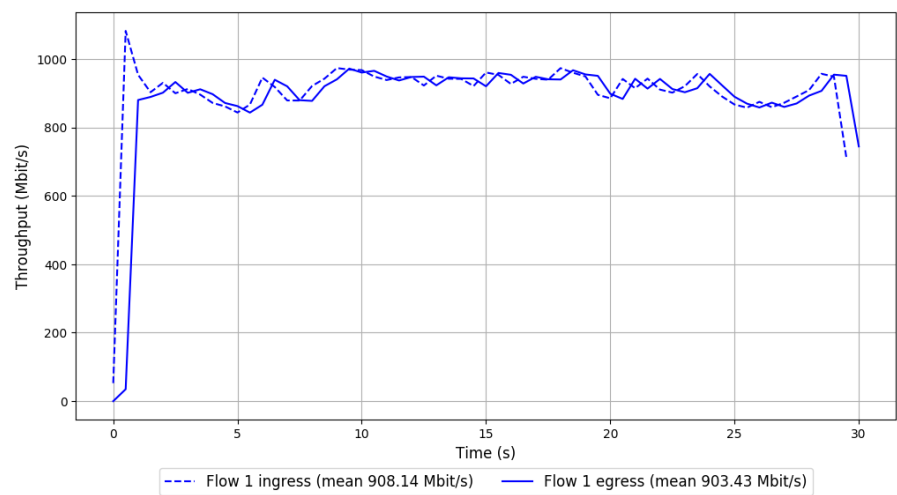
-- Flow 1:

Average throughput: 903.43 Mbit/s

95th percentile per-packet one-way delay: 19.163 ms

Loss rate: 0.52%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 12:57:59

End at: 2018-07-17 12:58:29

Local clock offset: 1.666 ms

Remote clock offset: 0.723 ms

Below is generated by plot.py at 2018-07-17 14:44:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 892.77 Mbit/s

95th percentile per-packet one-way delay: 21.727 ms

Loss rate: 0.66%

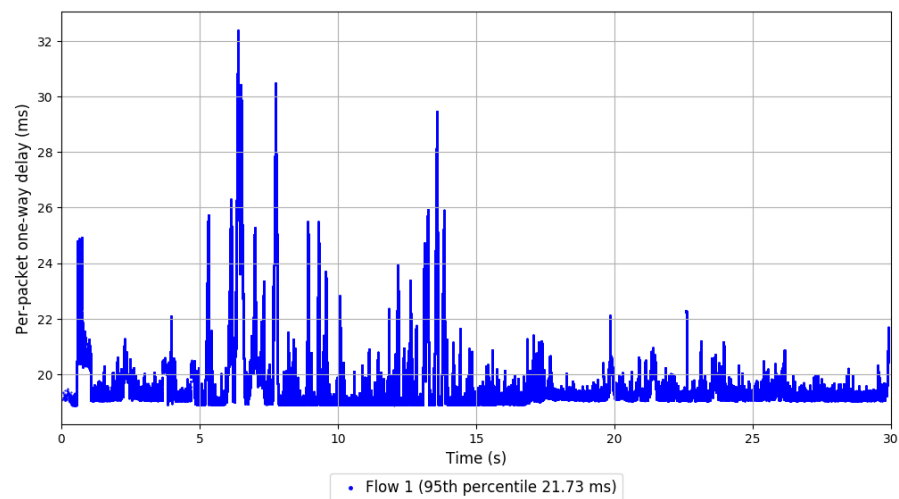
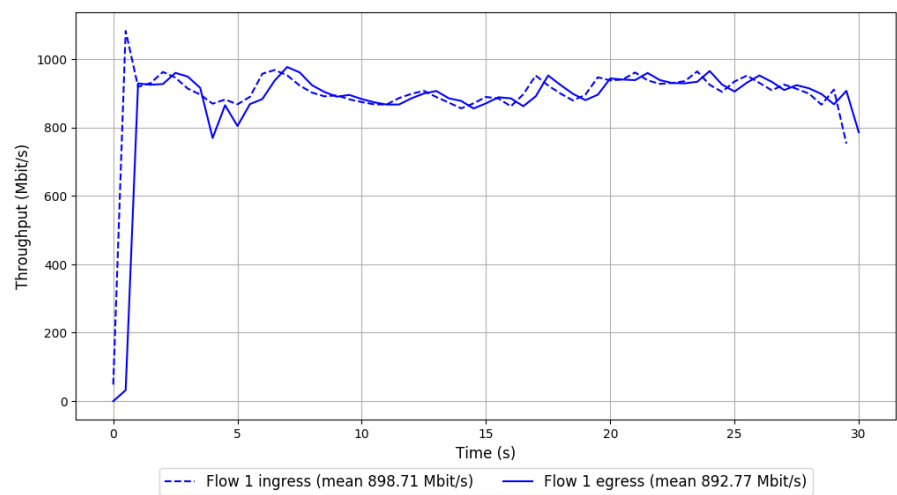
-- Flow 1:

Average throughput: 892.77 Mbit/s

95th percentile per-packet one-way delay: 21.727 ms

Loss rate: 0.66%

Run 10: Report of PCC-Allegro — Data Link

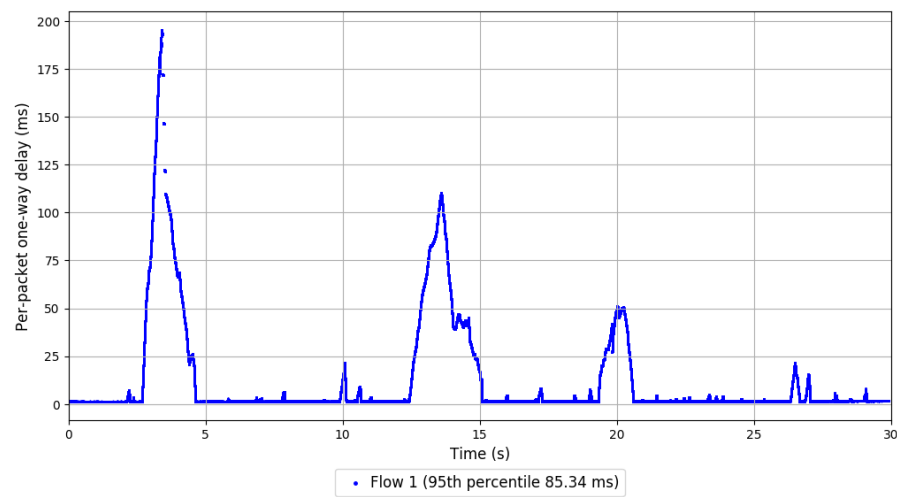
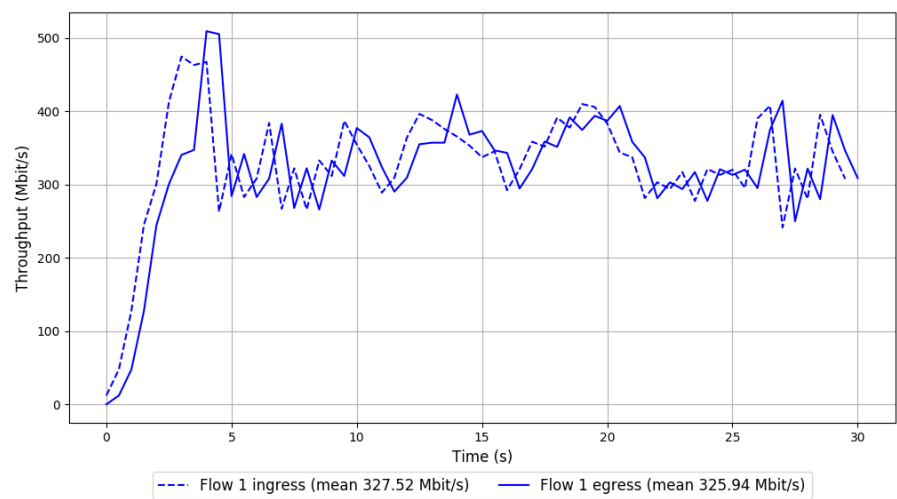


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 09:11:24
End at: 2018-07-17 09:11:54
Local clock offset: -13.658 ms
Remote clock offset: 0.557 ms

# Below is generated by plot.py at 2018-07-17 14:44:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.94 Mbit/s
95th percentile per-packet one-way delay: 85.340 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 325.94 Mbit/s
95th percentile per-packet one-way delay: 85.340 ms
Loss rate: 0.48%
```

Run 1: Report of PCC-Expr — Data Link

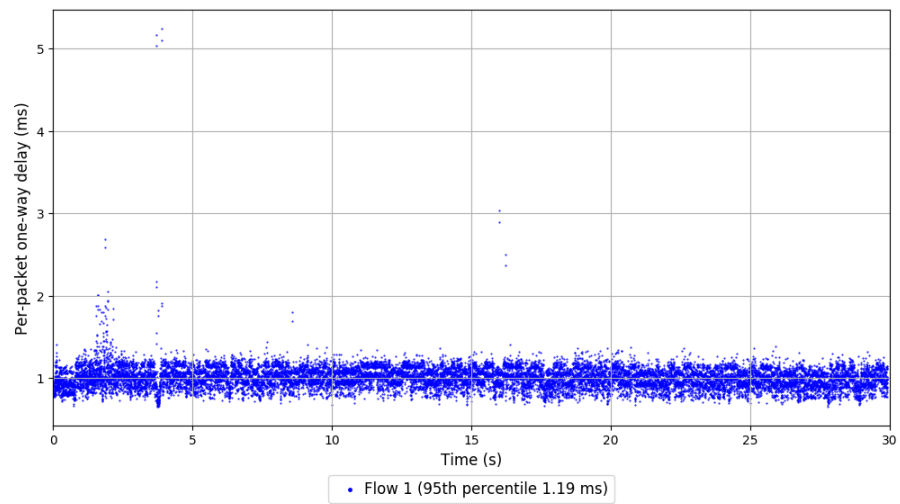
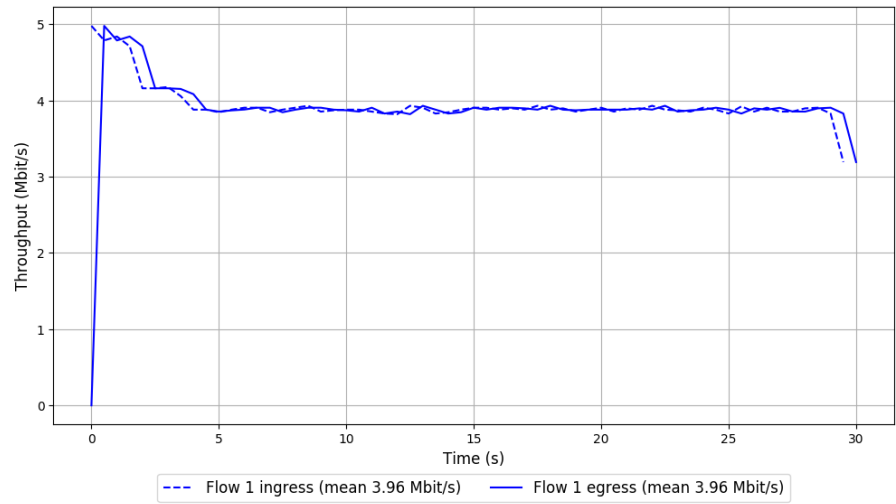


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 09:37:01
End at: 2018-07-17 09:37:31
Local clock offset: -10.414 ms
Remote clock offset: 0.649 ms

Below is generated by plot.py at 2018-07-17 14:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 10:01:55

End at: 2018-07-17 10:02:25

Local clock offset: -9.708 ms

Remote clock offset: 0.908 ms

Below is generated by plot.py at 2018-07-17 14:44:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.09 Mbit/s

95th percentile per-packet one-way delay: 164.155 ms

Loss rate: 1.14%

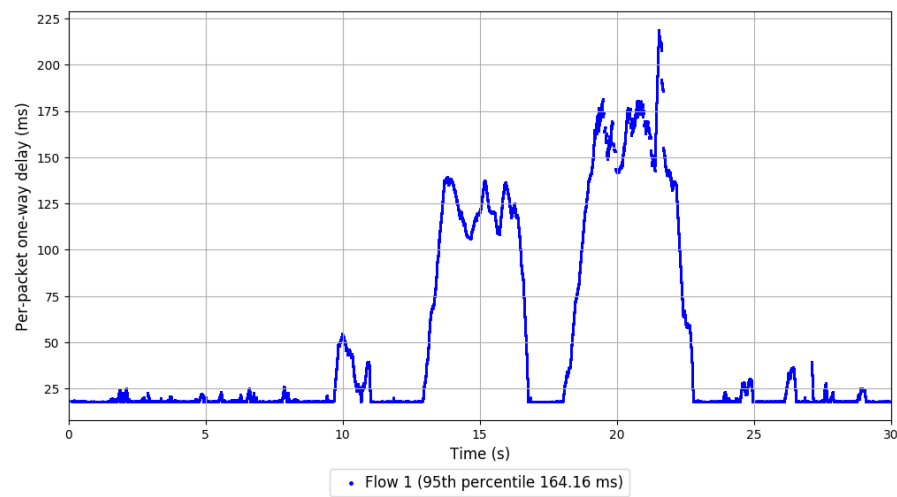
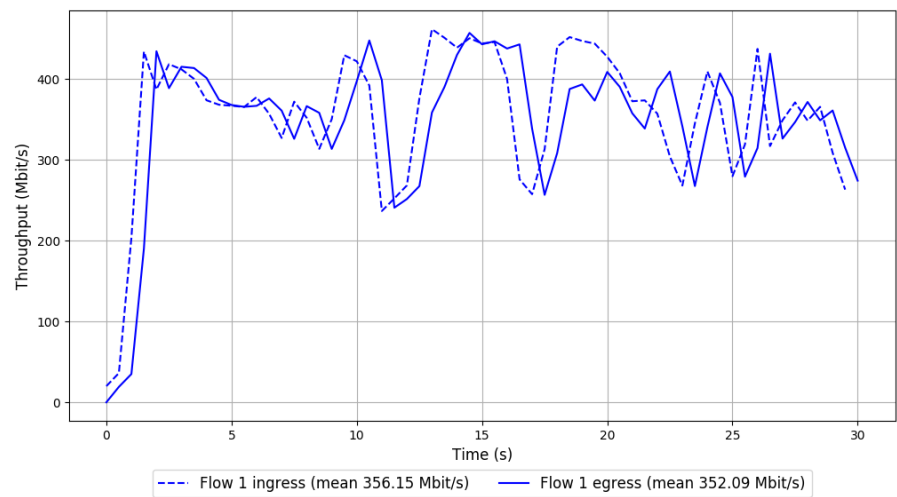
-- Flow 1:

Average throughput: 352.09 Mbit/s

95th percentile per-packet one-way delay: 164.155 ms

Loss rate: 1.14%

Run 3: Report of PCC-Expr — Data Link

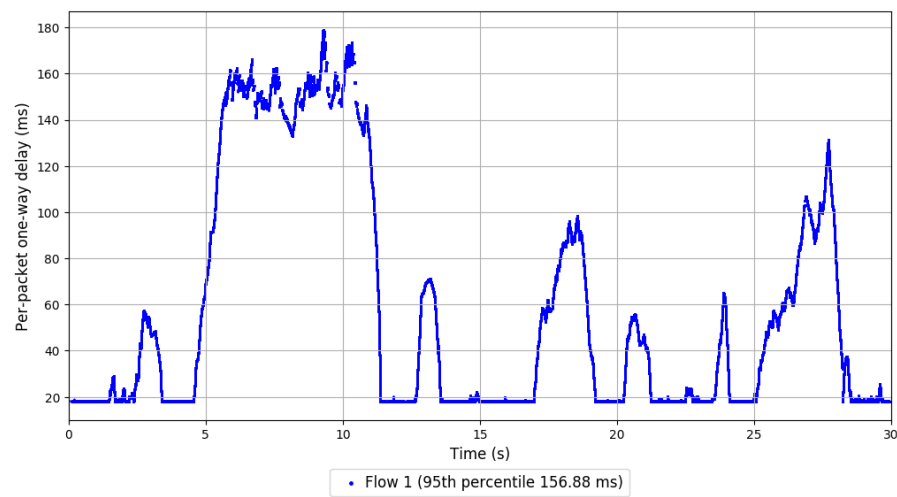
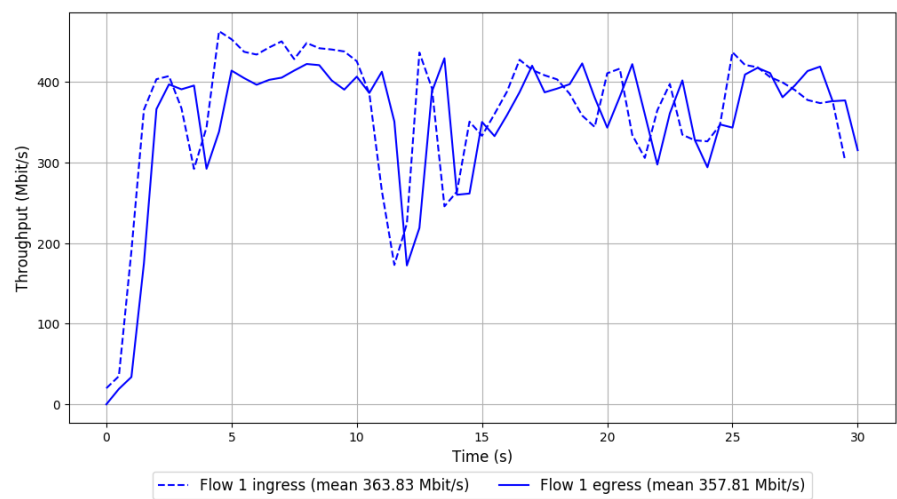


Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 10:27:46
End at: 2018-07-17 10:28:16
Local clock offset: -11.664 ms
Remote clock offset: 1.136 ms

Below is generated by plot.py at 2018-07-17 14:44:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.81 Mbit/s
95th percentile per-packet one-way delay: 156.876 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 357.81 Mbit/s
95th percentile per-packet one-way delay: 156.876 ms
Loss rate: 1.66%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 10:53:19

End at: 2018-07-17 10:53:49

Local clock offset: -7.01 ms

Remote clock offset: 1.199 ms

Below is generated by plot.py at 2018-07-17 14:44:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.27 Mbit/s

95th percentile per-packet one-way delay: 159.183 ms

Loss rate: 2.69%

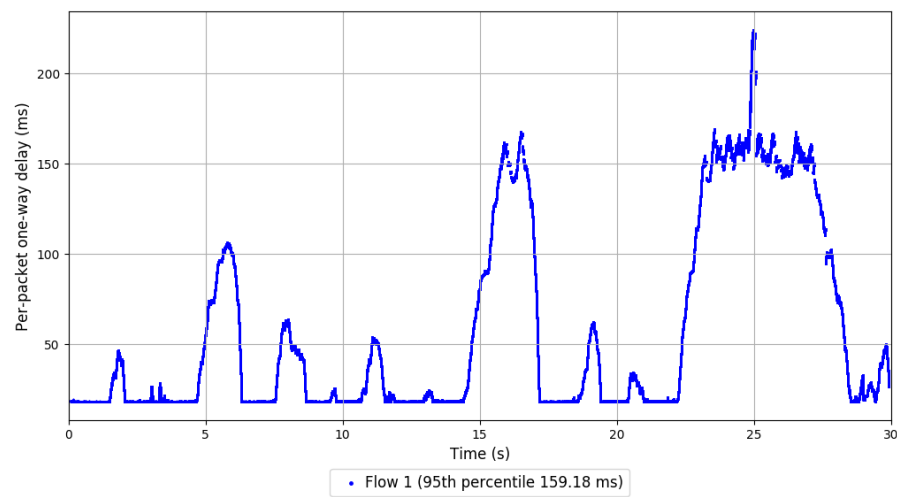
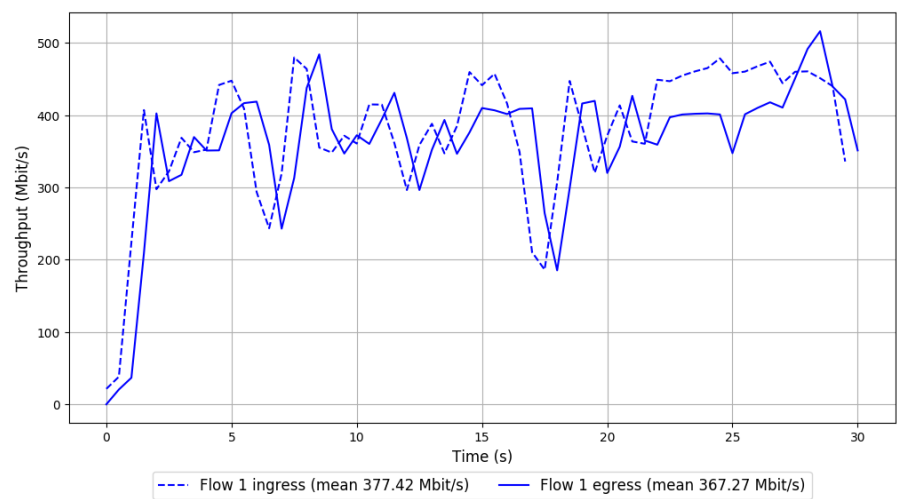
-- Flow 1:

Average throughput: 367.27 Mbit/s

95th percentile per-packet one-way delay: 159.183 ms

Loss rate: 2.69%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 11:18:52

End at: 2018-07-17 11:19:23

Local clock offset: -9.795 ms

Remote clock offset: 1.519 ms

Below is generated by plot.py at 2018-07-17 14:44:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.61 Mbit/s

95th percentile per-packet one-way delay: 29.265 ms

Loss rate: 0.00%

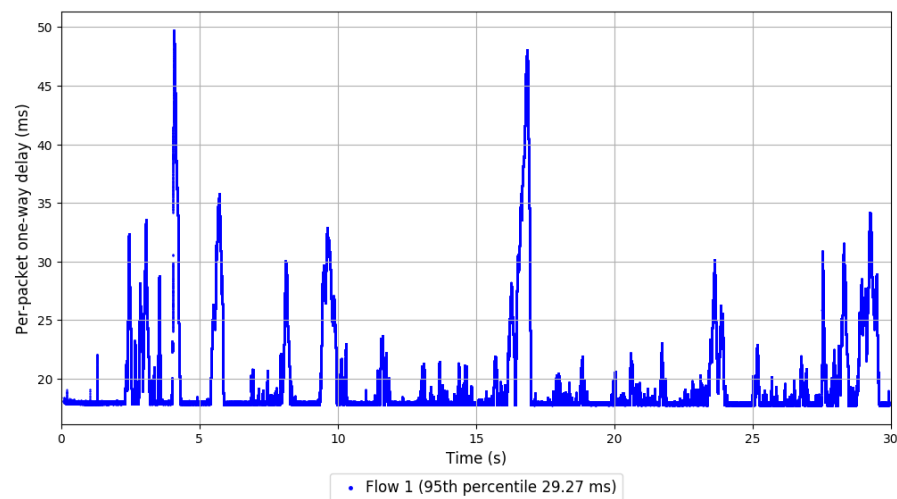
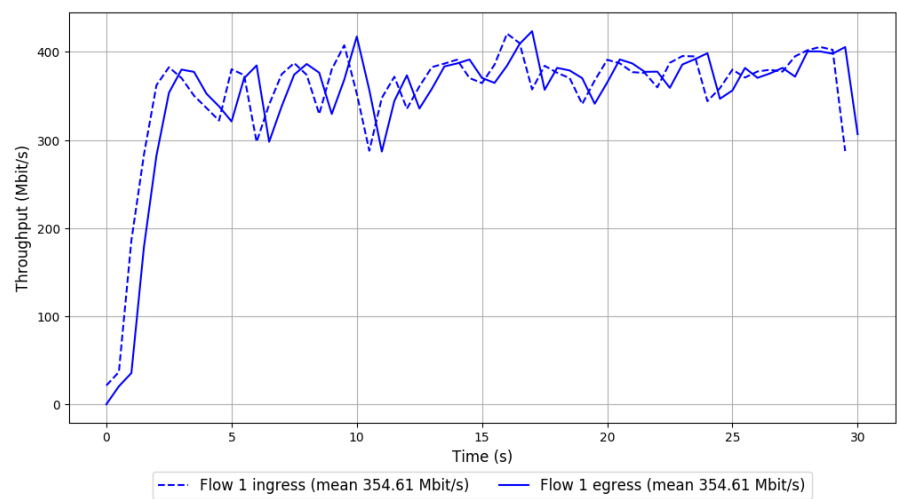
-- Flow 1:

Average throughput: 354.61 Mbit/s

95th percentile per-packet one-way delay: 29.265 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 11:44:24

End at: 2018-07-17 11:44:54

Local clock offset: -9.745 ms

Remote clock offset: 1.577 ms

Below is generated by plot.py at 2018-07-17 14:44:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.56 Mbit/s

95th percentile per-packet one-way delay: 89.802 ms

Loss rate: 0.16%

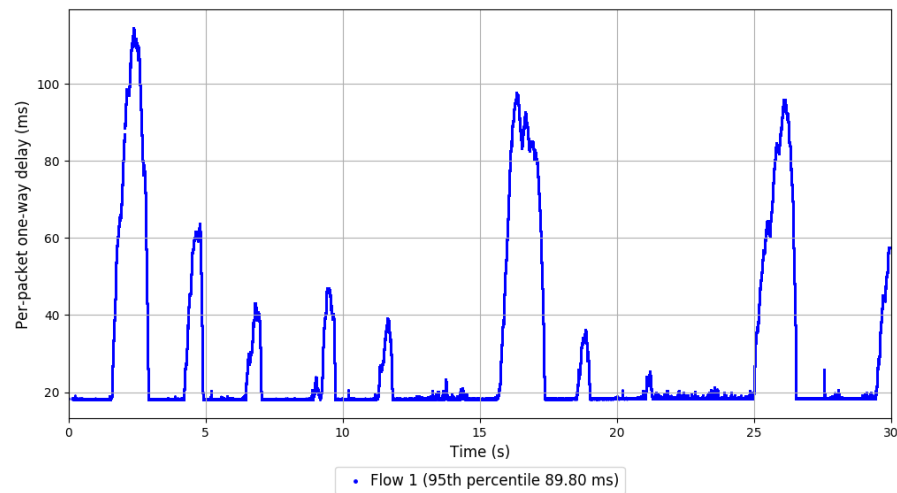
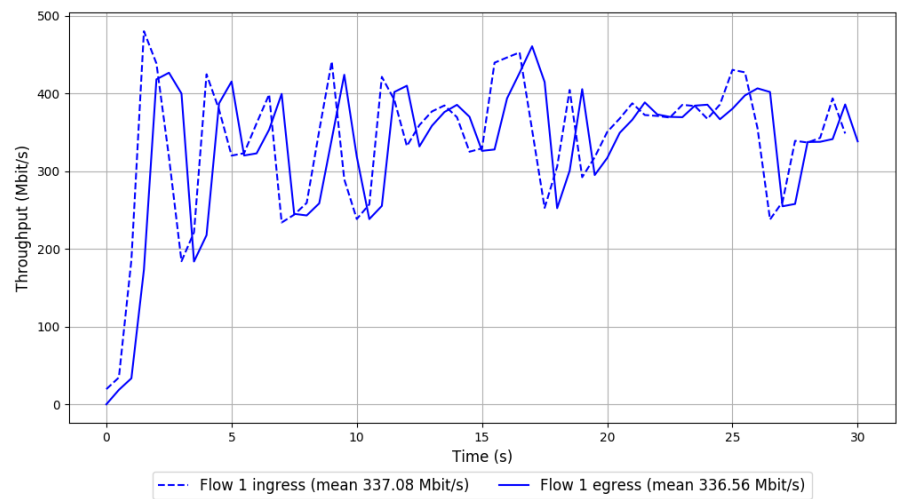
-- Flow 1:

Average throughput: 336.56 Mbit/s

95th percentile per-packet one-way delay: 89.802 ms

Loss rate: 0.16%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 12:09:59

End at: 2018-07-17 12:10:29

Local clock offset: -5.678 ms

Remote clock offset: 1.526 ms

Below is generated by plot.py at 2018-07-17 14:46:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.40 Mbit/s

95th percentile per-packet one-way delay: 159.715 ms

Loss rate: 1.63%

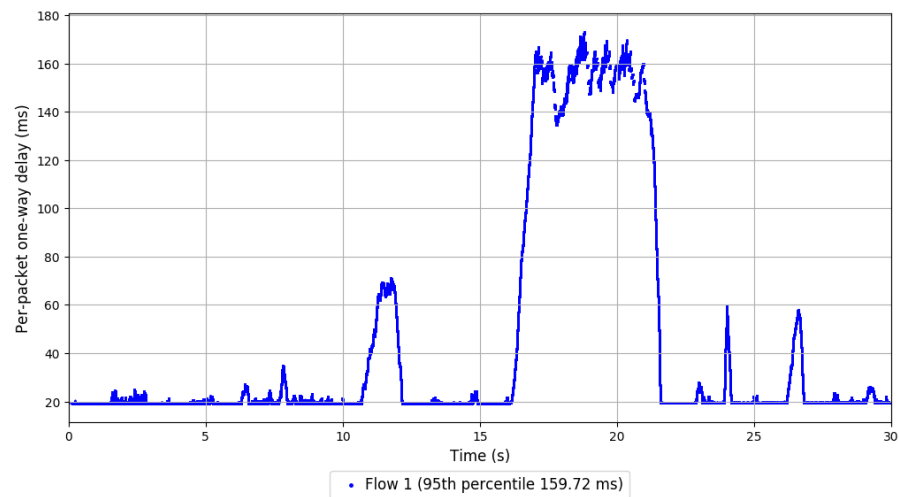
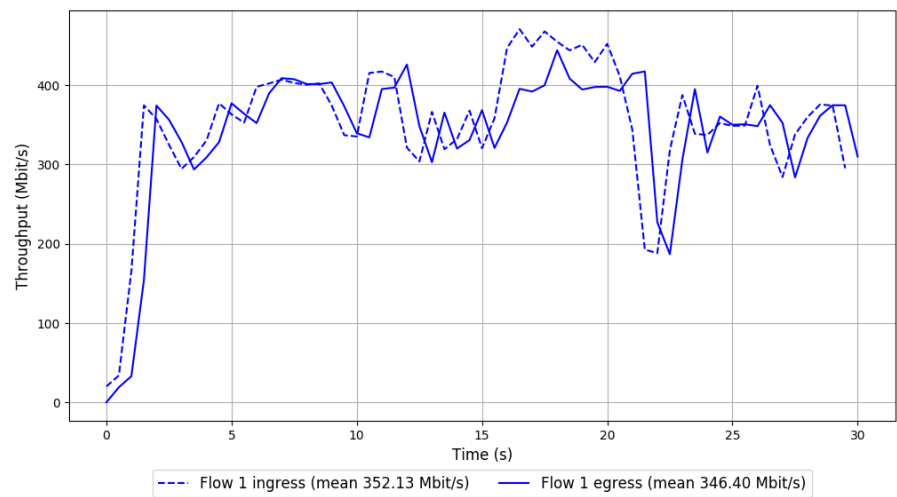
-- Flow 1:

Average throughput: 346.40 Mbit/s

95th percentile per-packet one-way delay: 159.715 ms

Loss rate: 1.63%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 12:35:31

End at: 2018-07-17 12:36:01

Local clock offset: 2.997 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2018-07-17 14:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.88 Mbit/s

95th percentile per-packet one-way delay: 131.356 ms

Loss rate: 0.42%

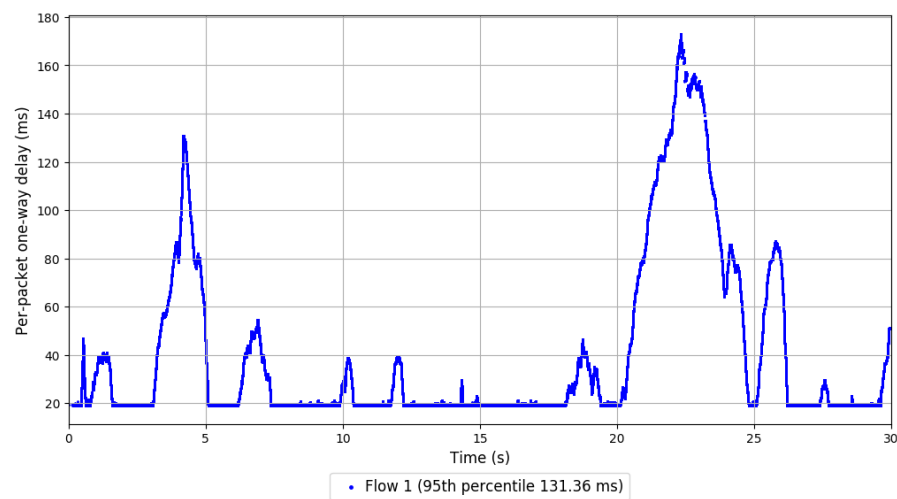
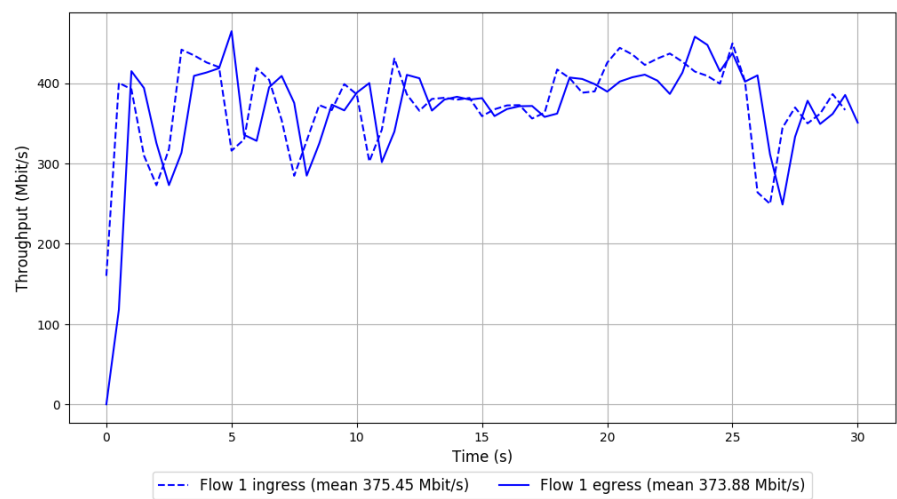
-- Flow 1:

Average throughput: 373.88 Mbit/s

95th percentile per-packet one-way delay: 131.356 ms

Loss rate: 0.42%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 13:00:59

End at: 2018-07-17 13:01:29

Local clock offset: 1.692 ms

Remote clock offset: 0.632 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.06 Mbit/s

95th percentile per-packet one-way delay: 44.627 ms

Loss rate: 0.00%

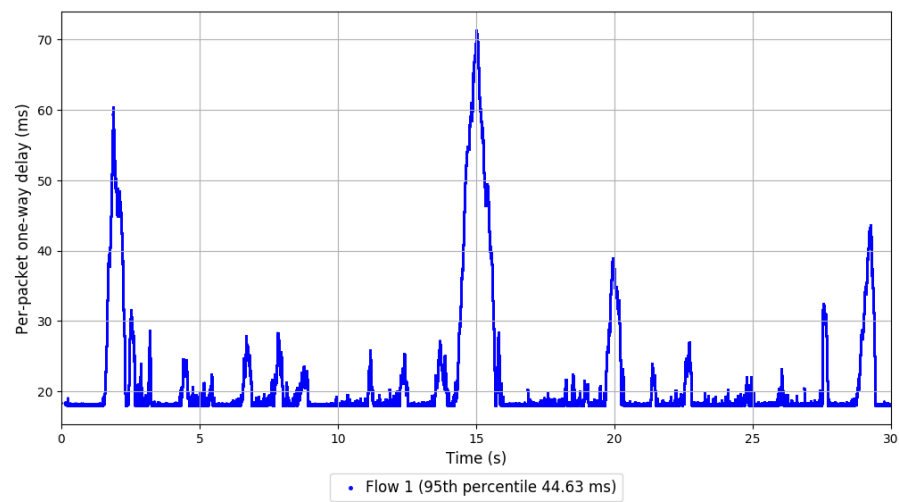
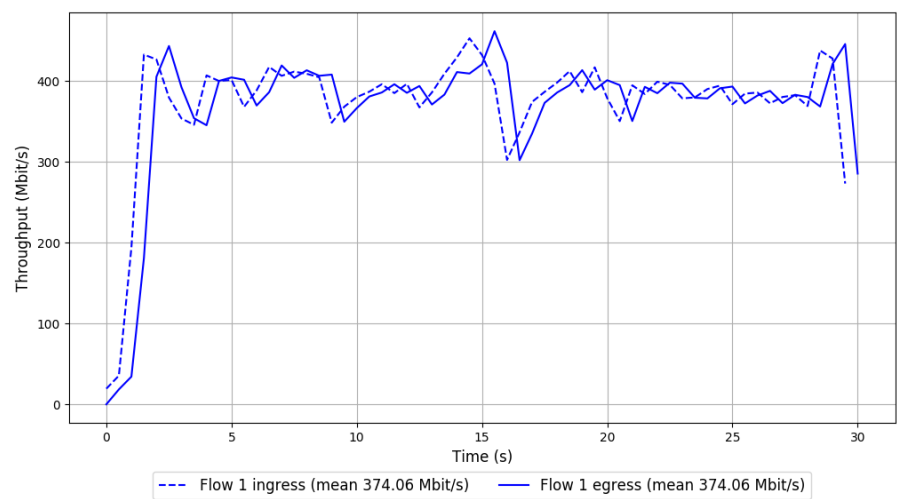
-- Flow 1:

Average throughput: 374.06 Mbit/s

95th percentile per-packet one-way delay: 44.627 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

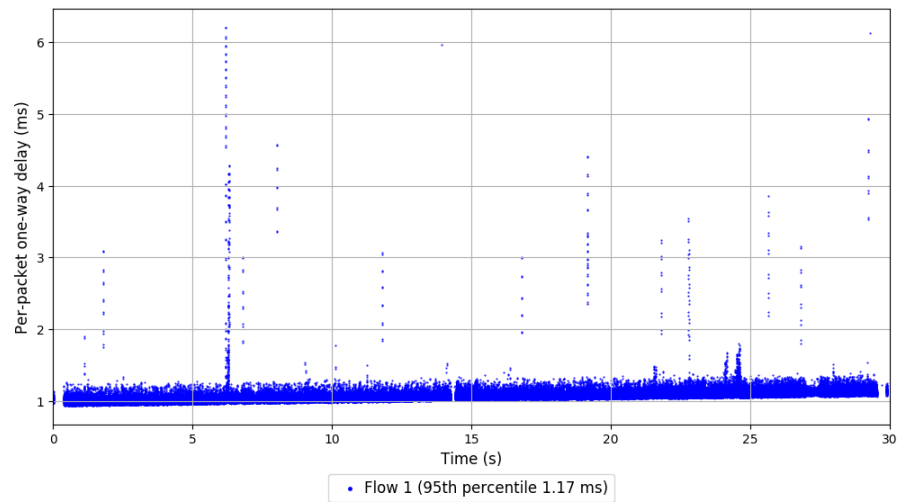
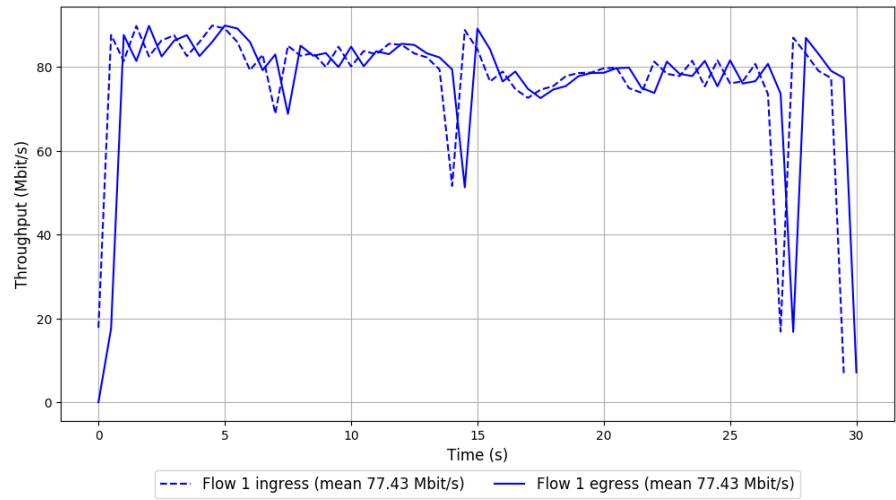


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-17 09:15:58
End at: 2018-07-17 09:16:28
Local clock offset: -11.511 ms
Remote clock offset: 0.554 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

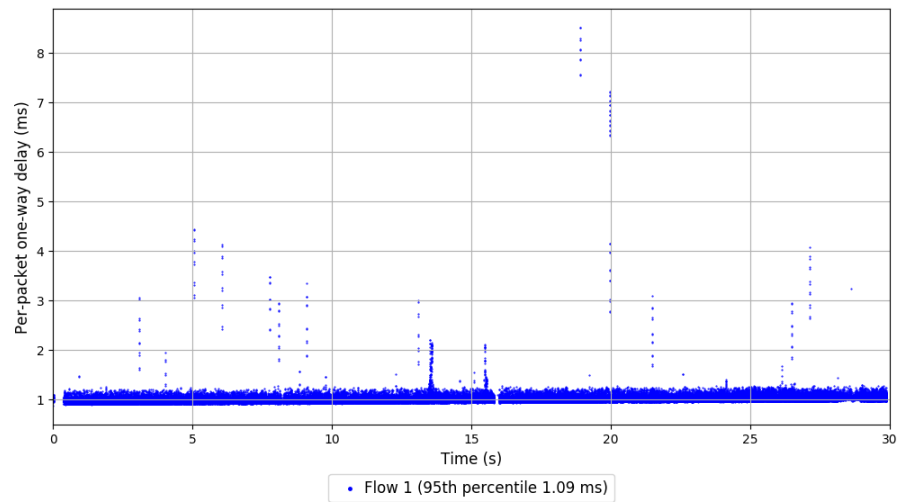
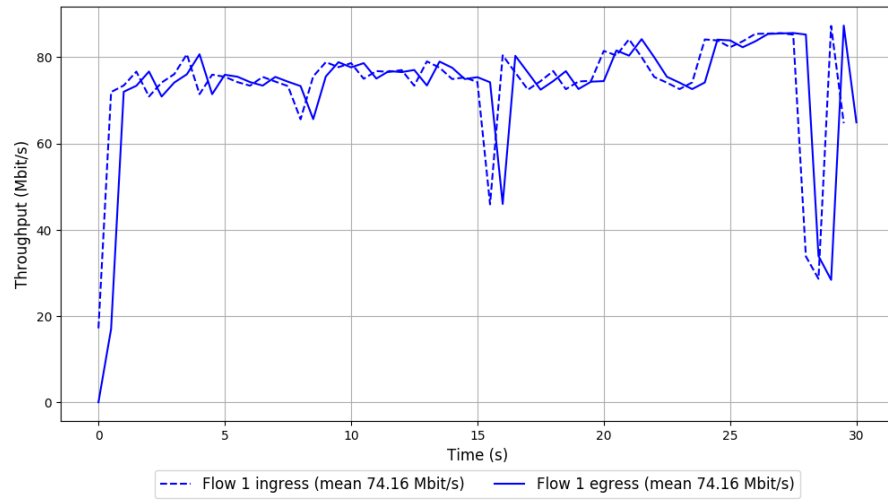


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 09:41:17
End at: 2018-07-17 09:41:47
Local clock offset: -10.196 ms
Remote clock offset: 0.783 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 10:06:37

End at: 2018-07-17 10:07:07

Local clock offset: -9.875 ms

Remote clock offset: 1.054 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 18.724 ms

Loss rate: 0.03%

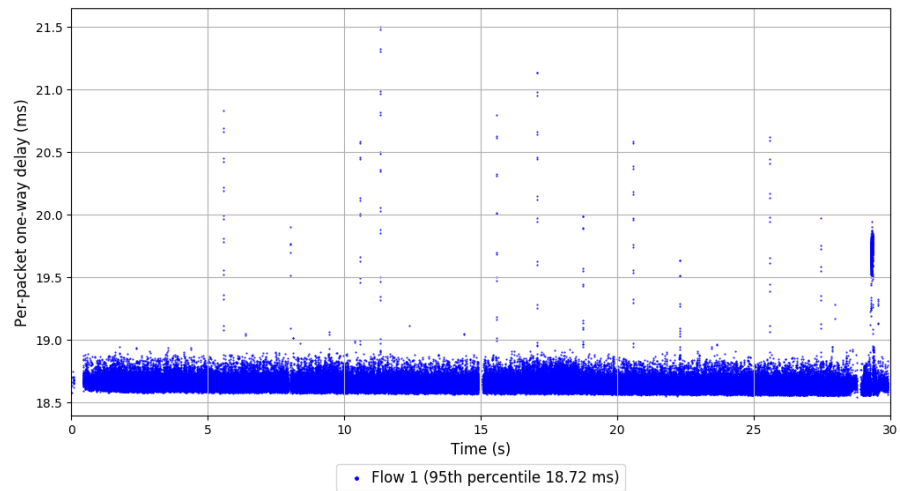
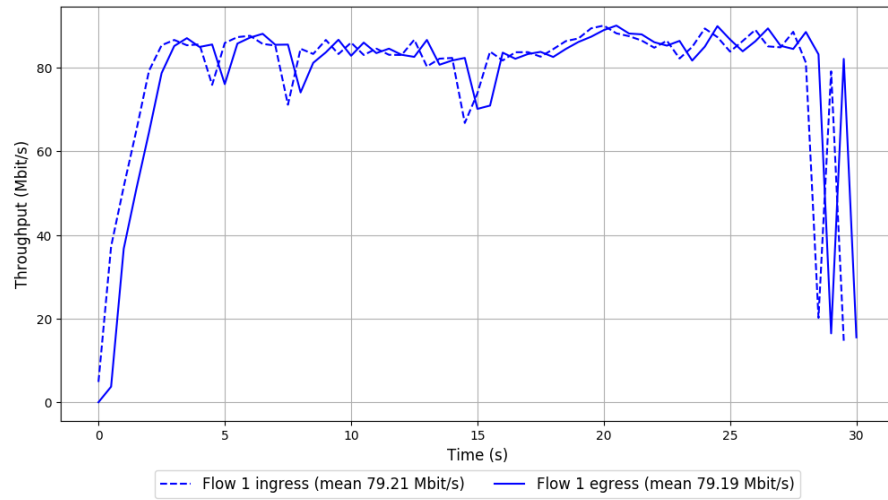
-- Flow 1:

Average throughput: 79.19 Mbit/s

95th percentile per-packet one-way delay: 18.724 ms

Loss rate: 0.03%

Run 3: Report of QUIC Cubic — Data Link

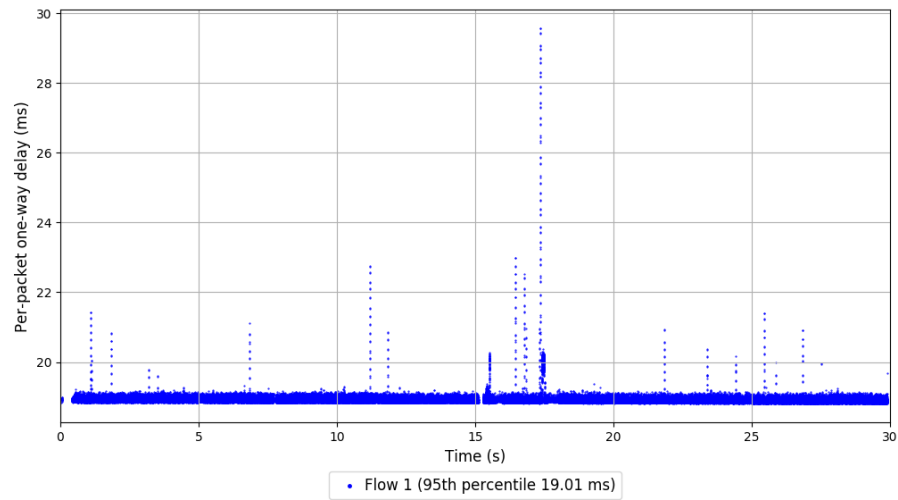
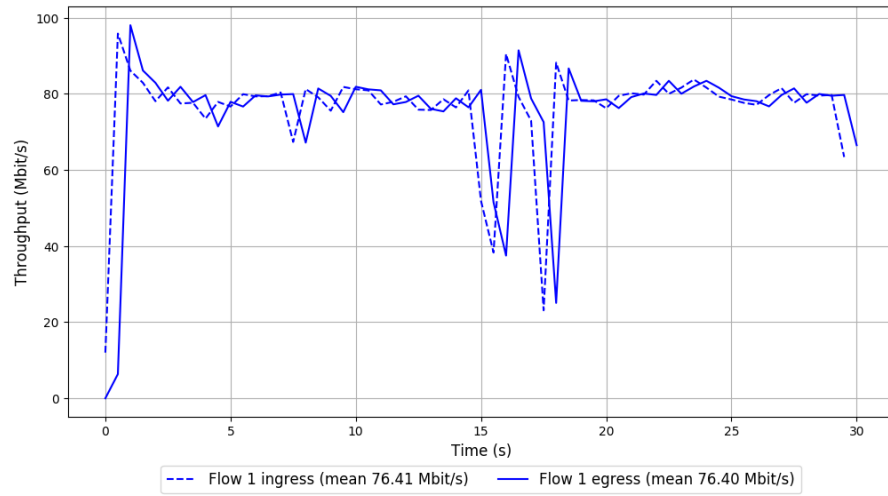


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 10:32:26
End at: 2018-07-17 10:32:56
Local clock offset: -12.012 ms
Remote clock offset: 1.094 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.40 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.40 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 10:57:54

End at: 2018-07-17 10:58:24

Local clock offset: -6.467 ms

Remote clock offset: 1.269 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 18.346 ms

Loss rate: 0.00%

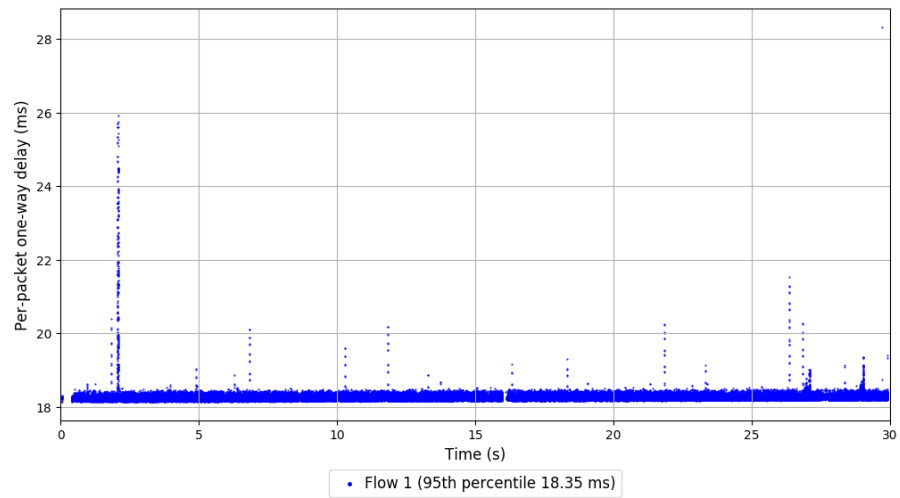
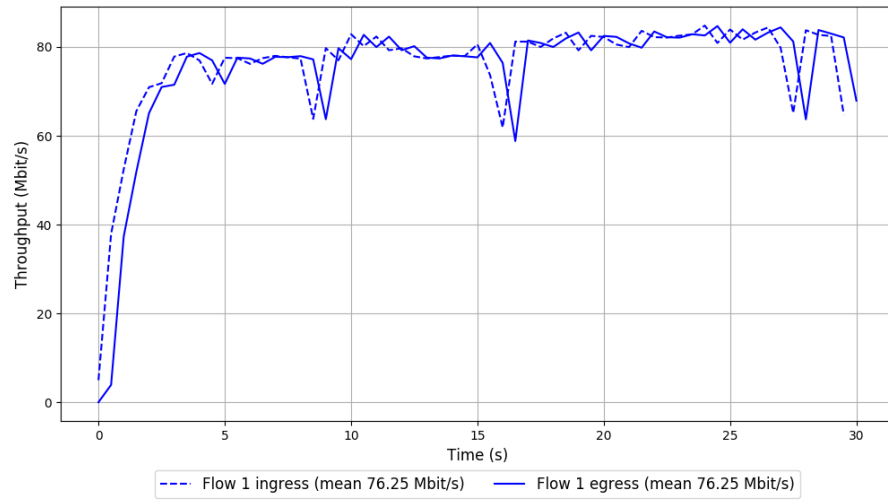
-- Flow 1:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 18.346 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

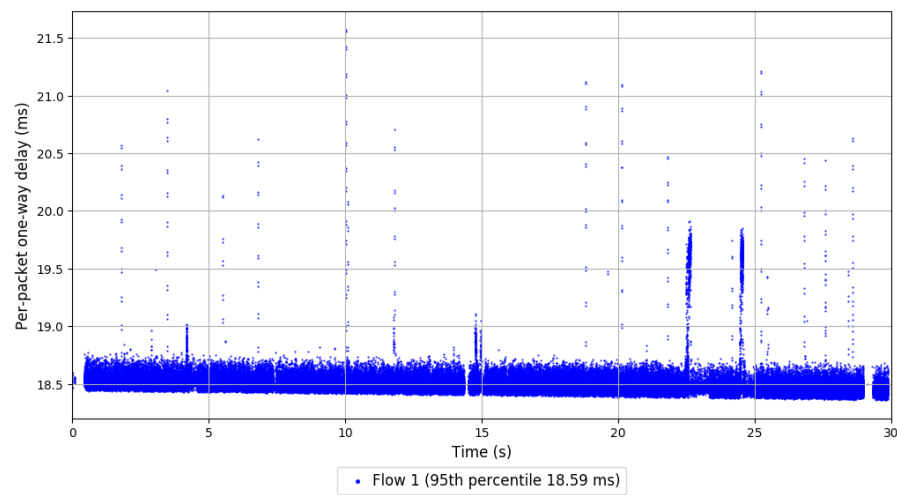
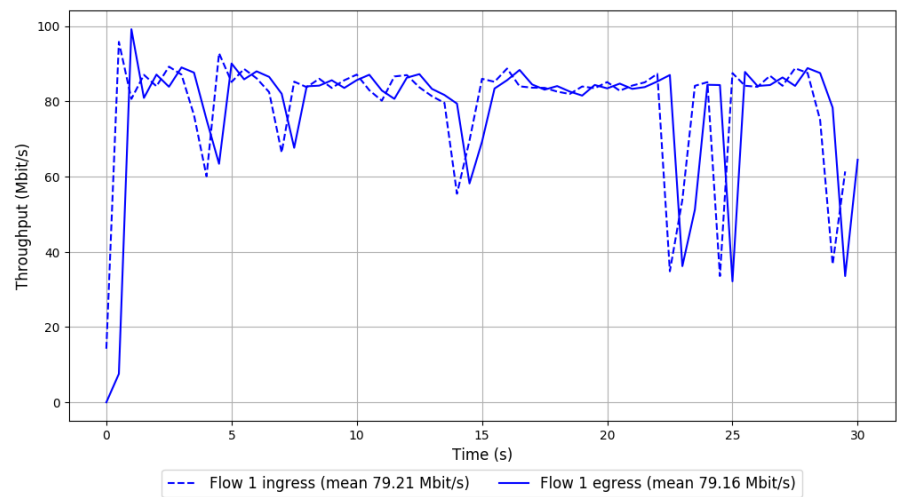


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 11:23:34
End at: 2018-07-17 11:24:04
Local clock offset: -10.768 ms
Remote clock offset: 1.466 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 18.595 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 18.595 ms
Loss rate: 0.06%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 11:49:01

End at: 2018-07-17 11:49:31

Local clock offset: -8.307 ms

Remote clock offset: 1.685 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.45 Mbit/s

95th percentile per-packet one-way delay: 19.268 ms

Loss rate: 0.00%

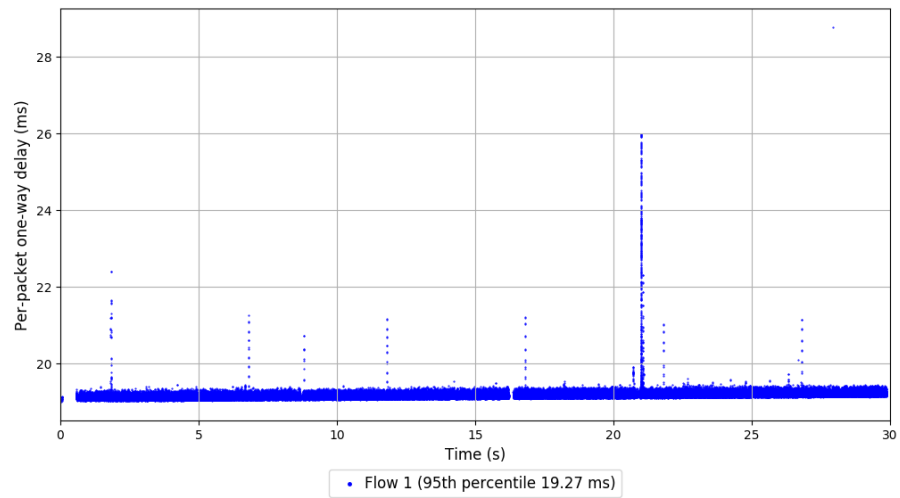
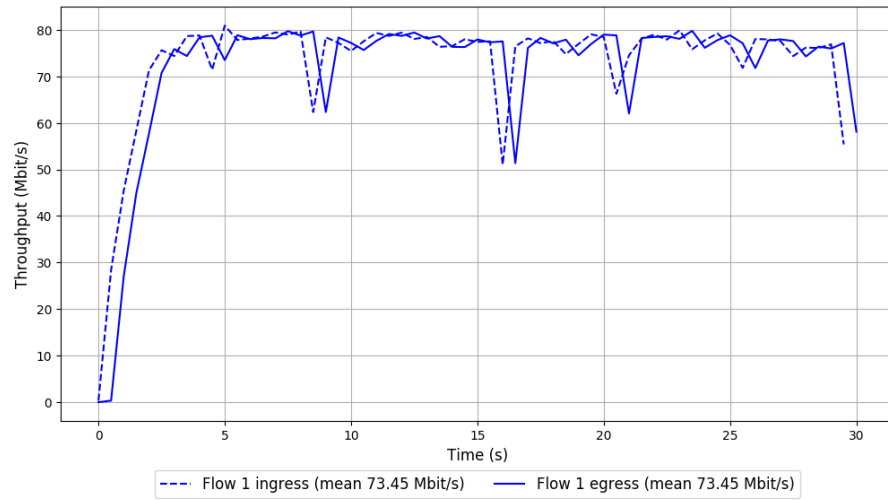
-- Flow 1:

Average throughput: 73.45 Mbit/s

95th percentile per-packet one-way delay: 19.268 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 12:14:35

End at: 2018-07-17 12:15:05

Local clock offset: -2.819 ms

Remote clock offset: 1.397 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 19.376 ms

Loss rate: 0.00%

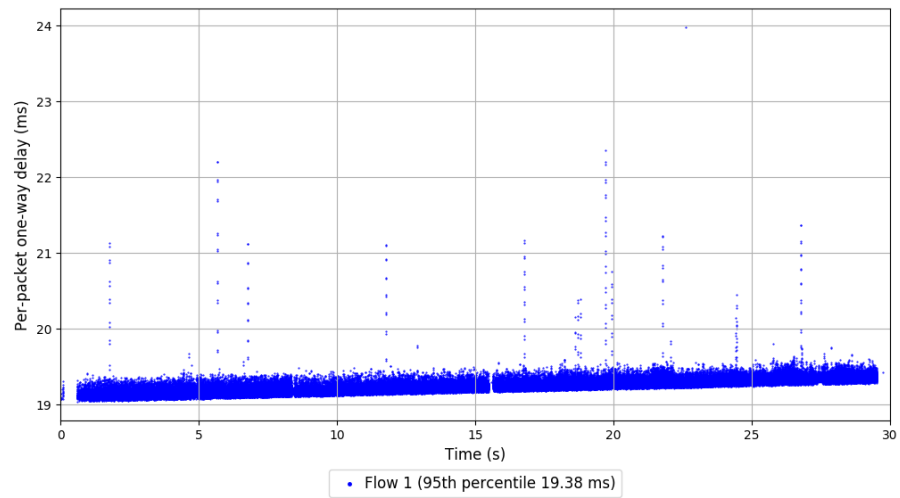
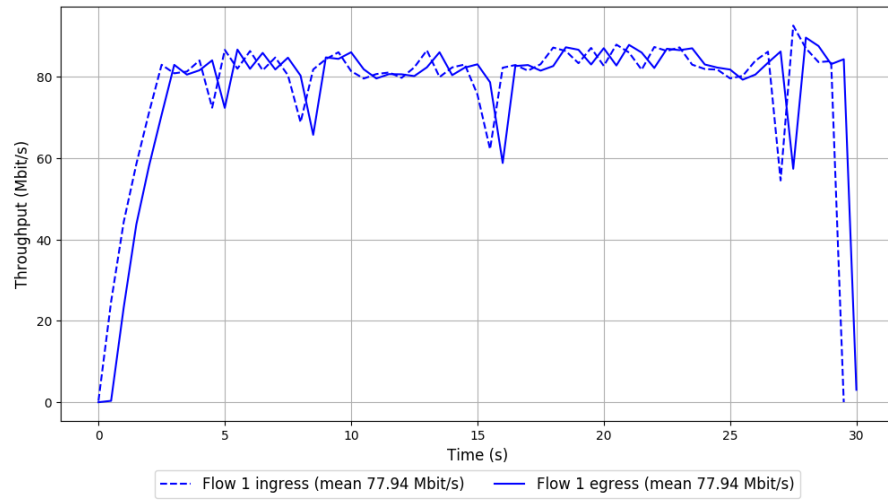
-- Flow 1:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 19.376 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 12:40:08

End at: 2018-07-17 12:40:38

Local clock offset: 3.386 ms

Remote clock offset: 0.988 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 17.850 ms

Loss rate: 0.00%

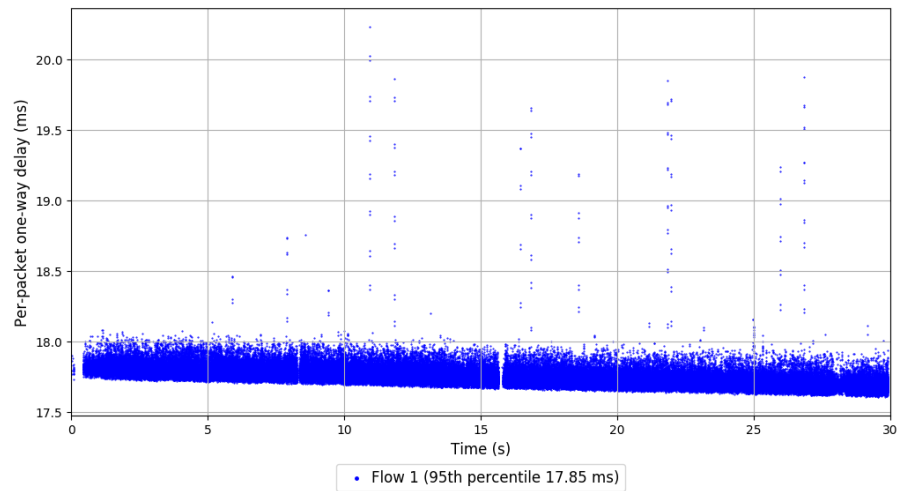
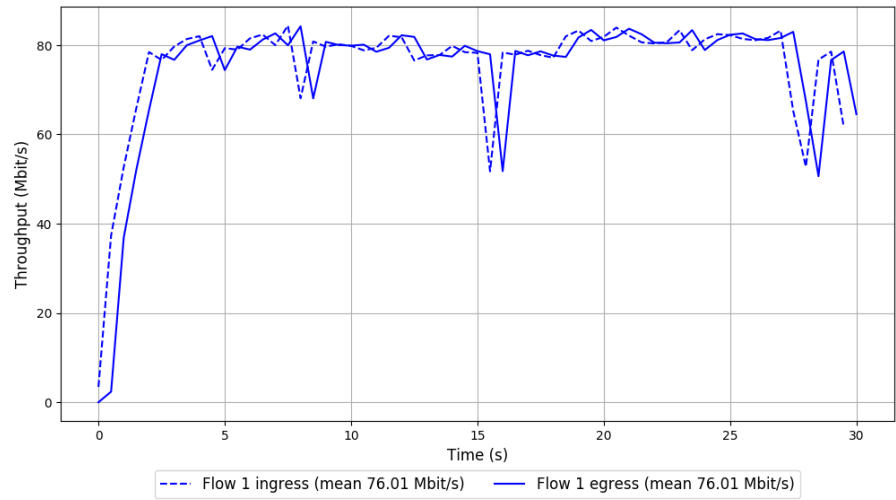
-- Flow 1:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 17.850 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 13:05:40

End at: 2018-07-17 13:06:10

Local clock offset: 1.783 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.57 Mbit/s

95th percentile per-packet one-way delay: 18.206 ms

Loss rate: 0.00%

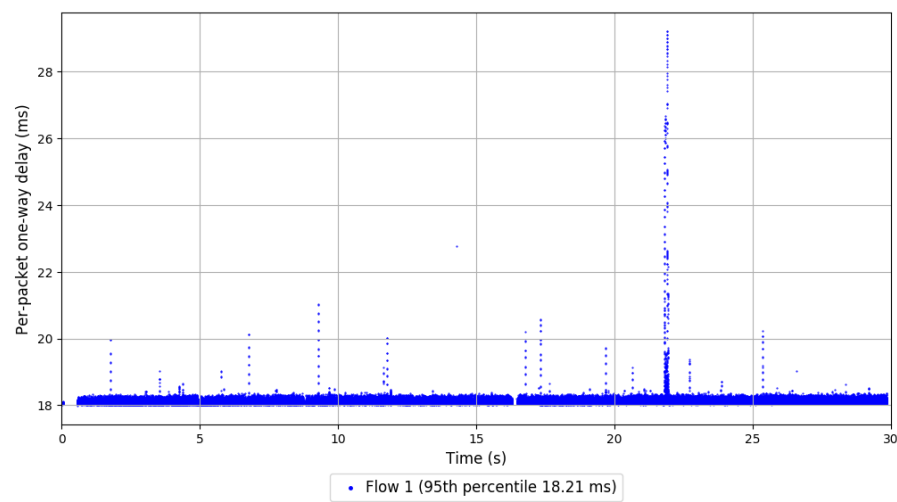
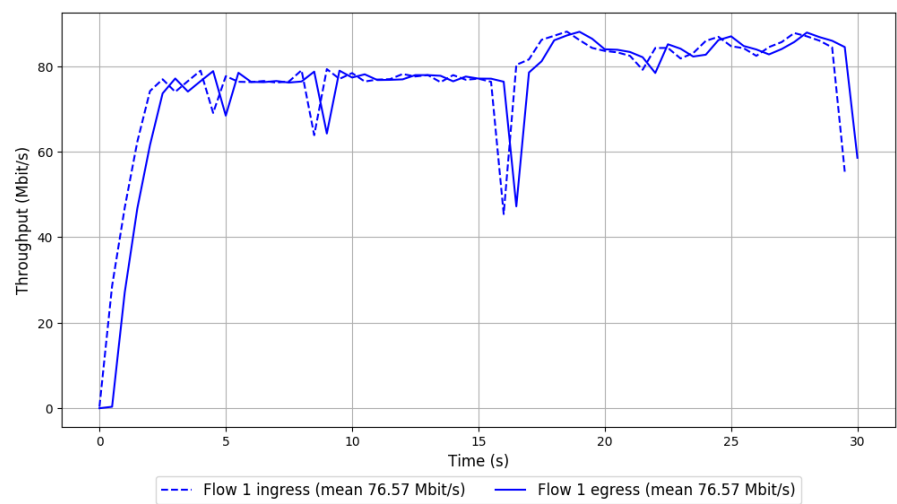
-- Flow 1:

Average throughput: 76.57 Mbit/s

95th percentile per-packet one-way delay: 18.206 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

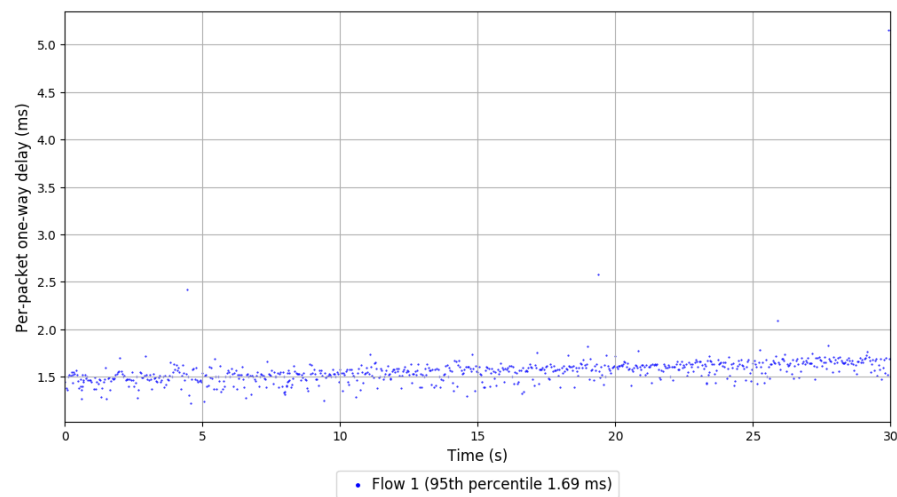
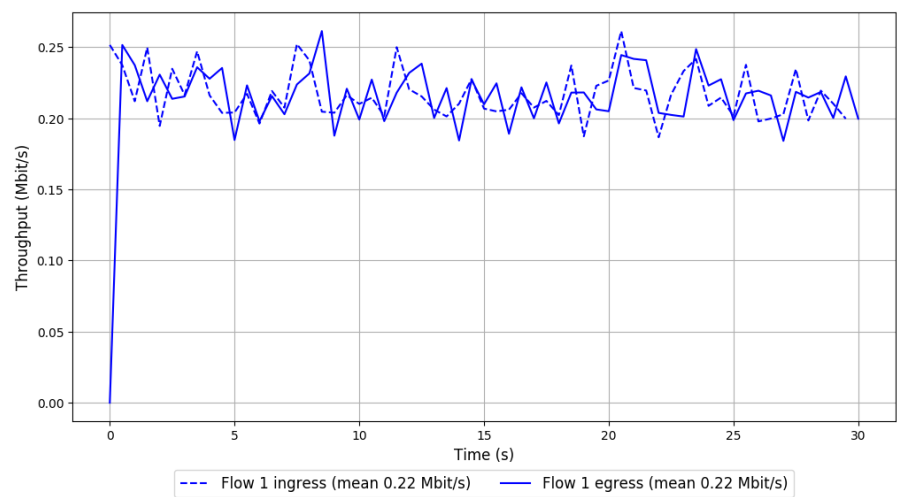


Run 1: Statistics of SCReAM

Start at: 2018-07-17 09:13:01
End at: 2018-07-17 09:13:31
Local clock offset: -12.779 ms
Remote clock offset: 0.554 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.692 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

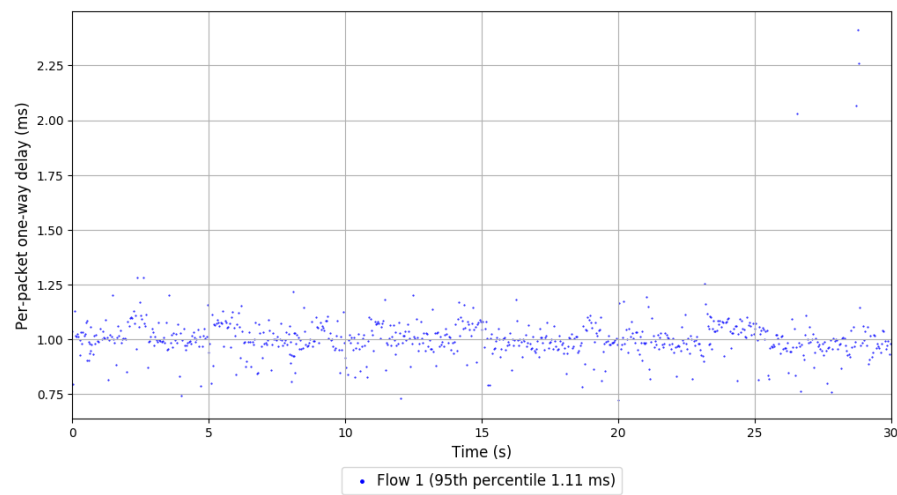
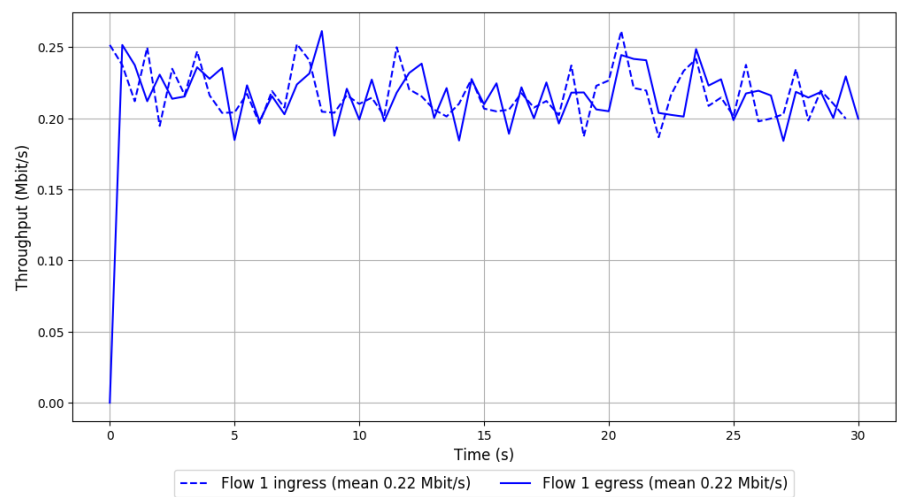


Run 2: Statistics of SCReAM

Start at: 2018-07-17 09:38:18
End at: 2018-07-17 09:38:48
Local clock offset: -10.504 ms
Remote clock offset: 0.699 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-17 10:03:34

End at: 2018-07-17 10:04:04

Local clock offset: -9.781 ms

Remote clock offset: 1.054 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.176 ms

Loss rate: 0.00%

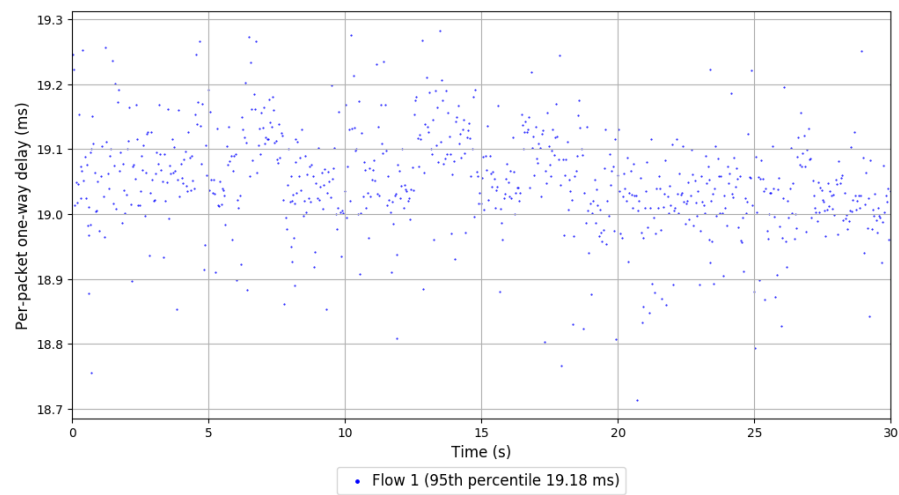
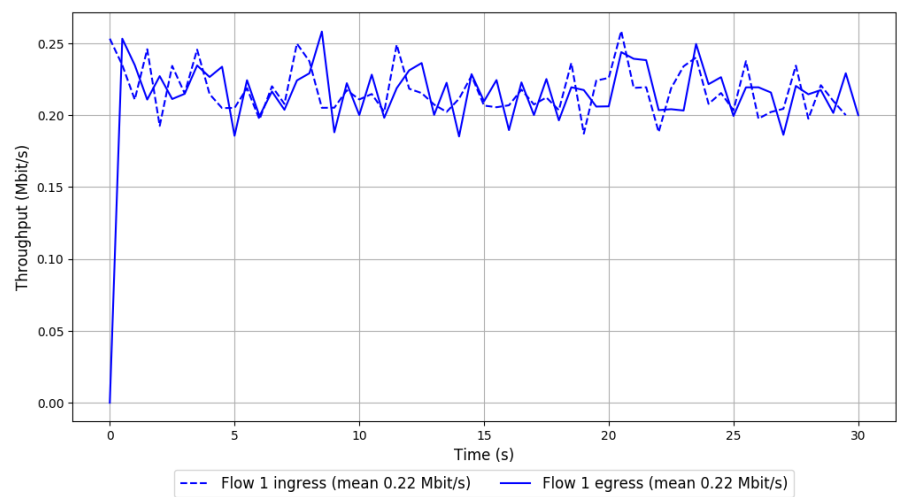
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.176 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

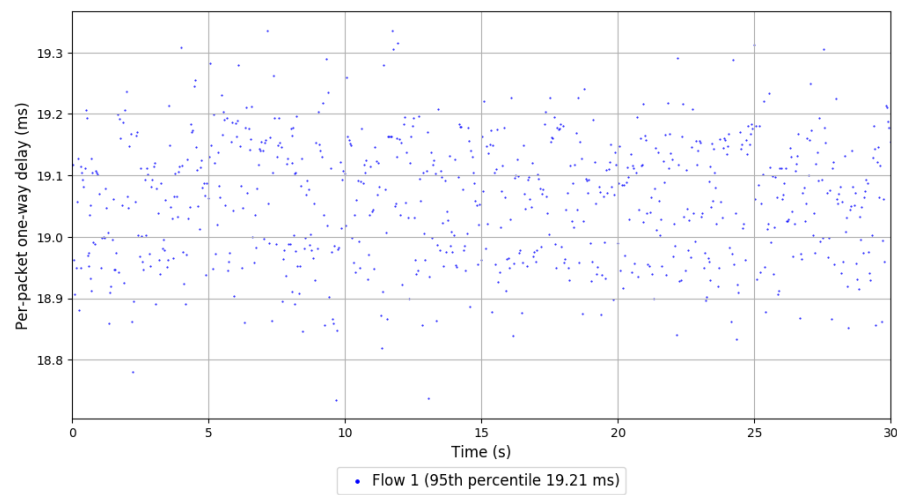
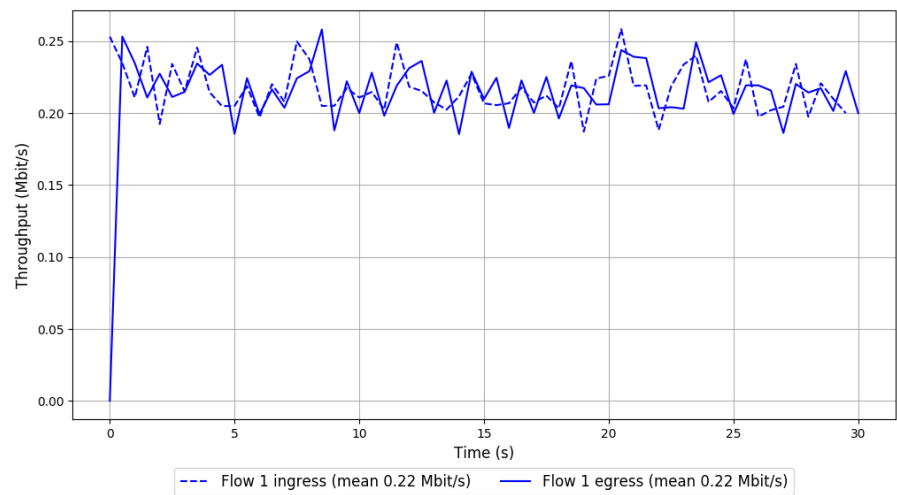


Run 4: Statistics of SCReAM

Start at: 2018-07-17 10:29:25
End at: 2018-07-17 10:29:55
Local clock offset: -11.702 ms
Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-17 10:54:57

End at: 2018-07-17 10:55:28

Local clock offset: -6.855 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.620 ms

Loss rate: 0.00%

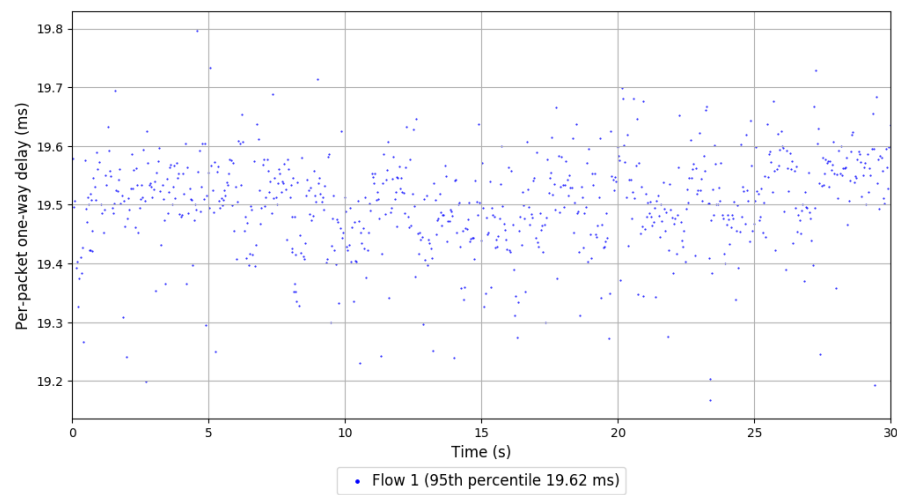
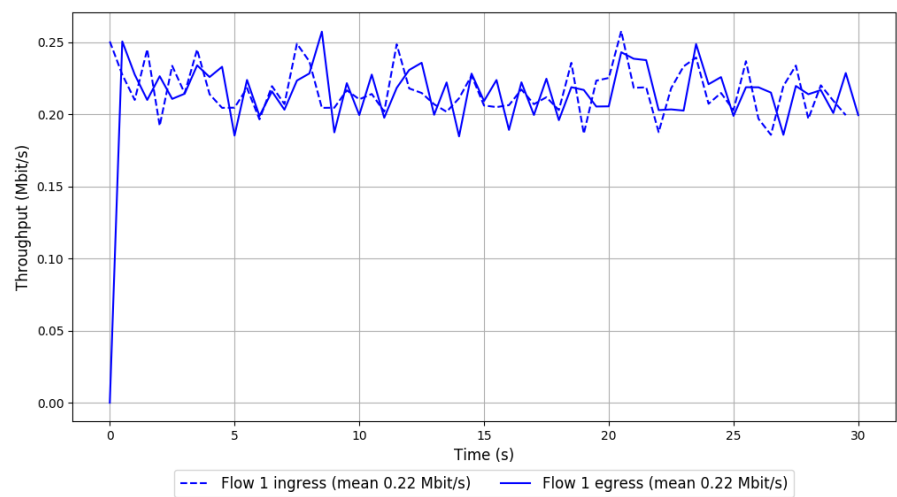
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.620 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

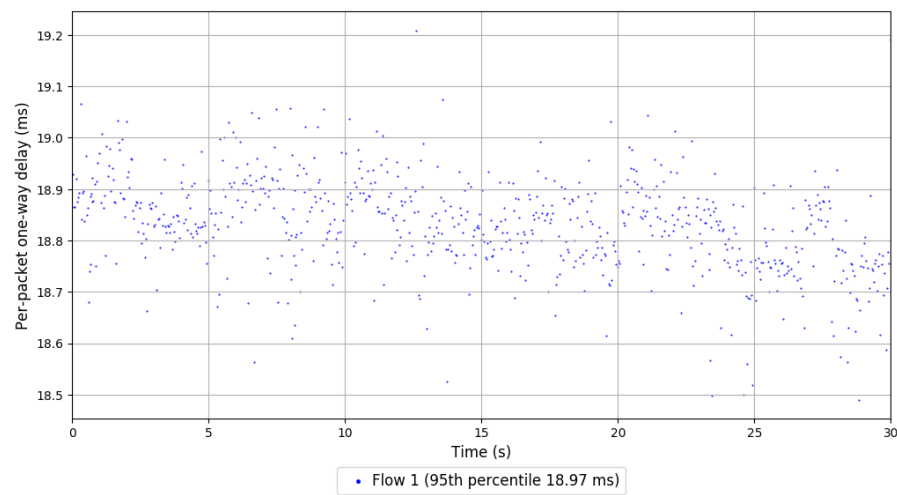
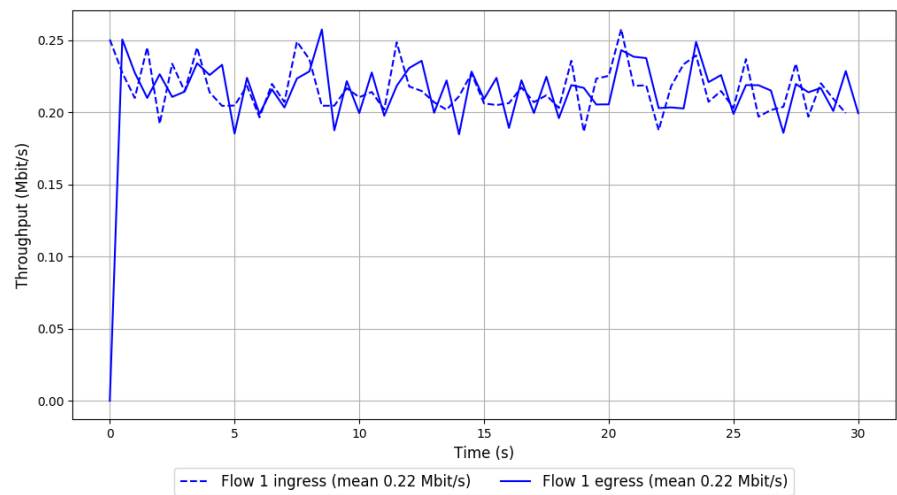


Run 6: Statistics of SCReAM

Start at: 2018-07-17 11:20:31
End at: 2018-07-17 11:21:01
Local clock offset: -10.291 ms
Remote clock offset: 1.424 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.974 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-17 11:46:01

End at: 2018-07-17 11:46:31

Local clock offset: -9.199 ms

Remote clock offset: 1.662 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.517 ms

Loss rate: 0.00%

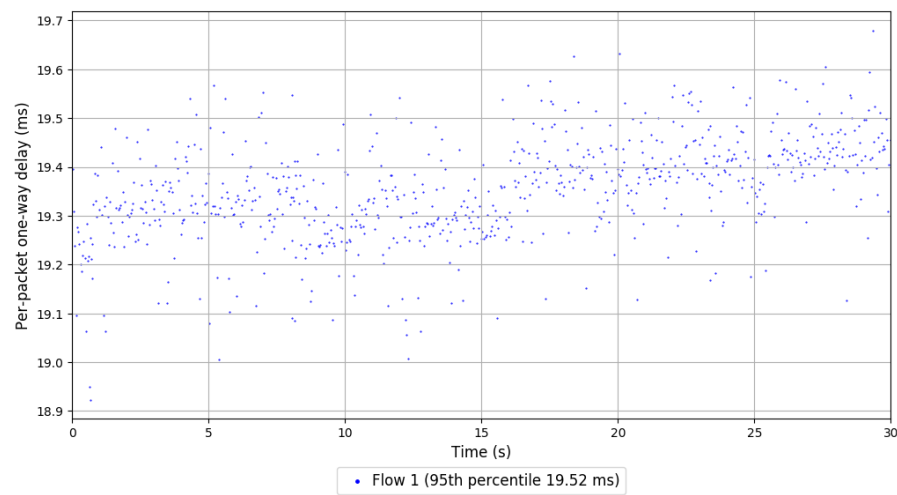
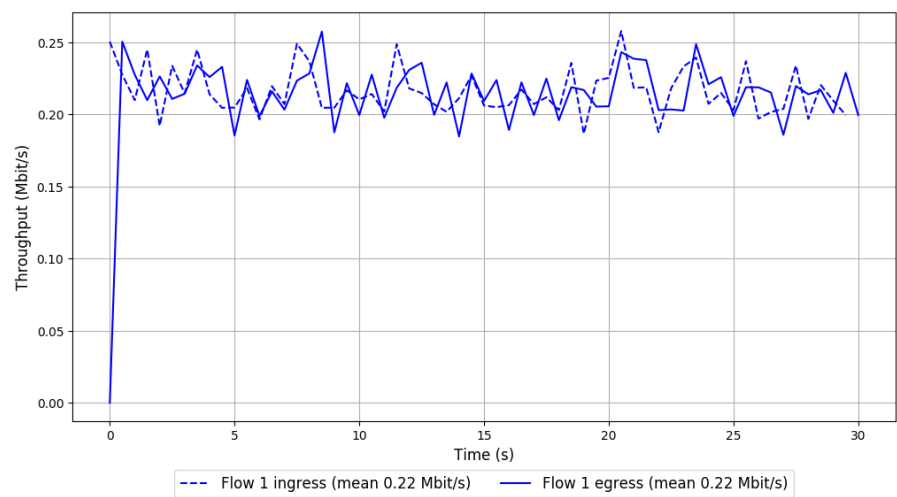
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.517 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-17 12:11:36

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

Local clock offset: -4.455 ms

Remote clock offset: 1.452 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.994 ms

Loss rate: 0.00%

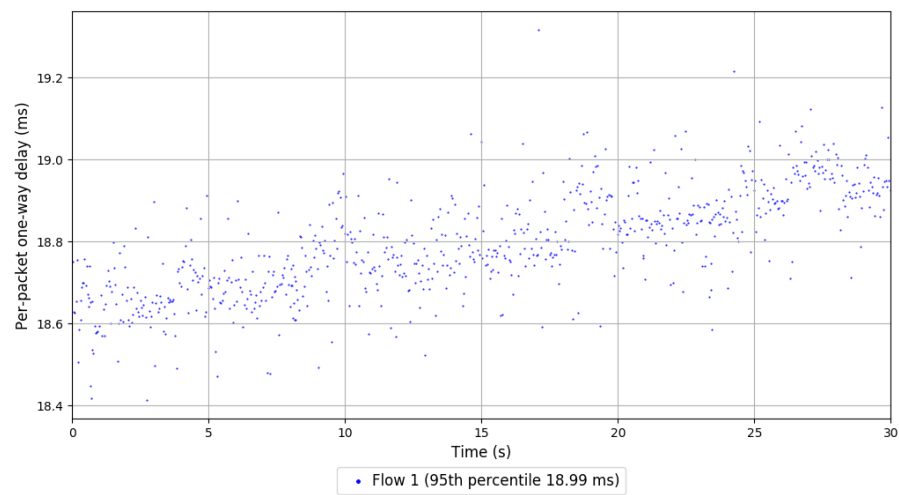
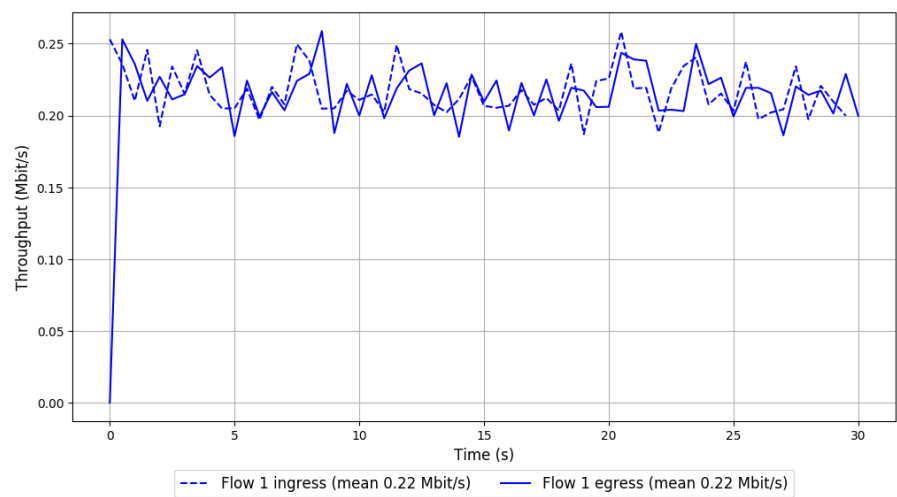
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.994 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-17 12:37:11

End at: 2018-07-17 12:37:41

Local clock offset: 3.33 ms

Remote clock offset: 1.093 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.848 ms

Loss rate: 0.00%

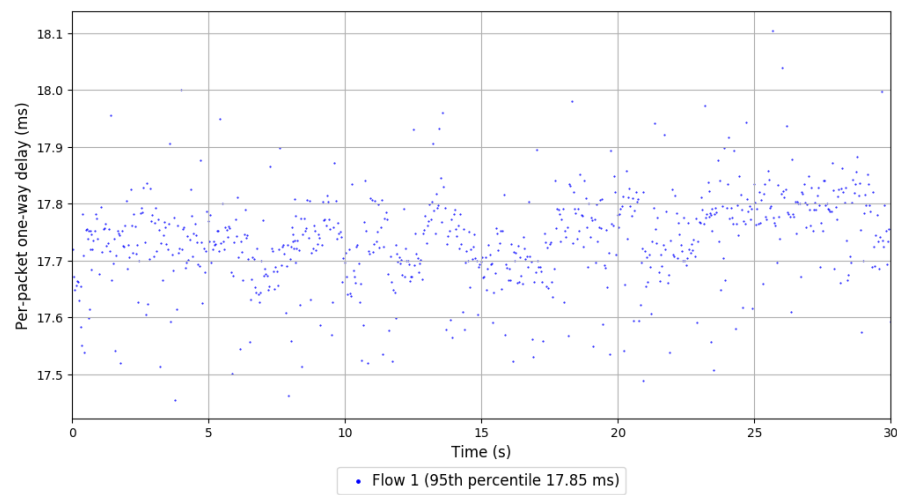
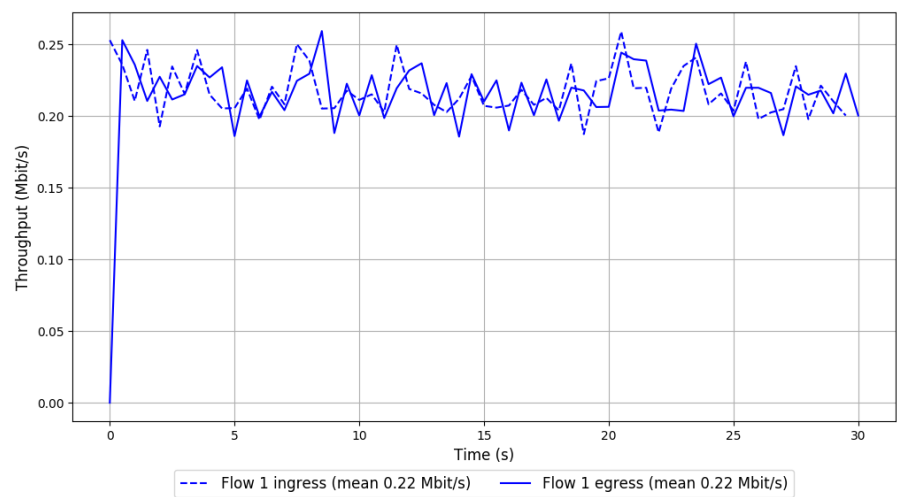
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.848 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-17 13:02:39

End at: 2018-07-17 13:03:09

Local clock offset: 1.728 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.204 ms

Loss rate: 0.00%

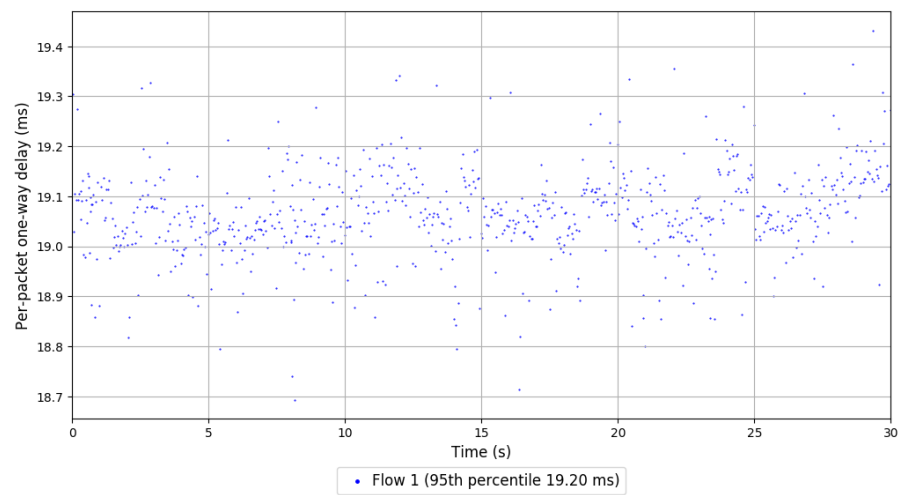
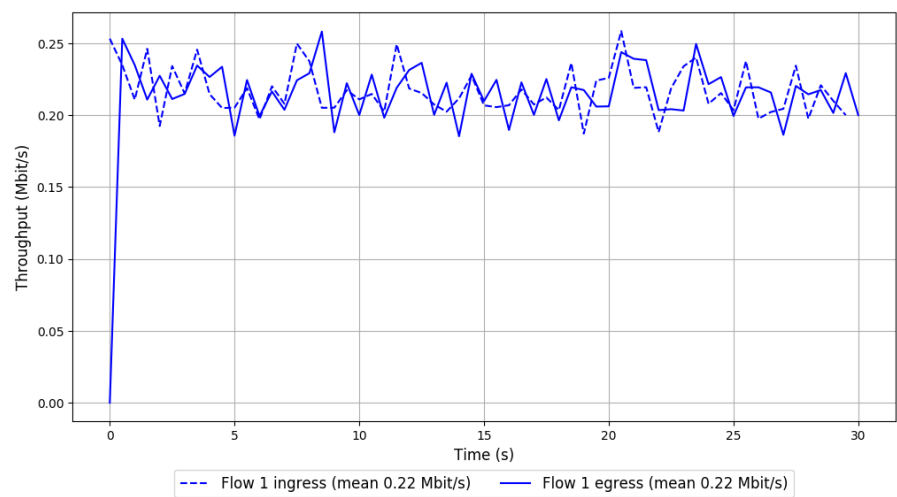
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.204 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

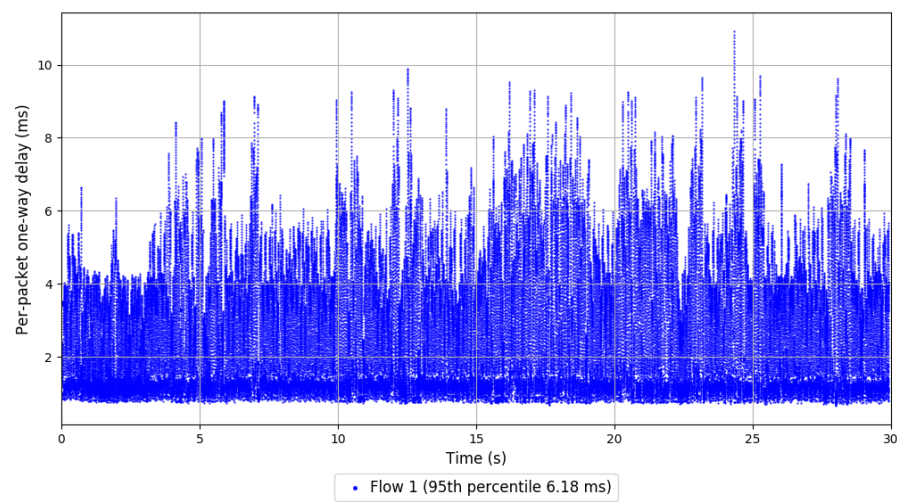
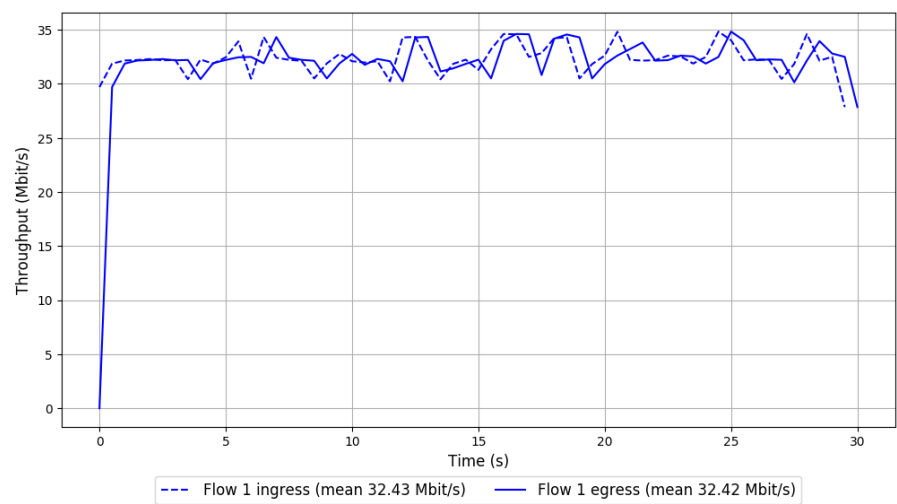


Run 1: Statistics of Sprout

Start at: 2018-07-17 08:53:27
End at: 2018-07-17 08:53:57
Local clock offset: -12.495 ms
Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 6.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 6.177 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

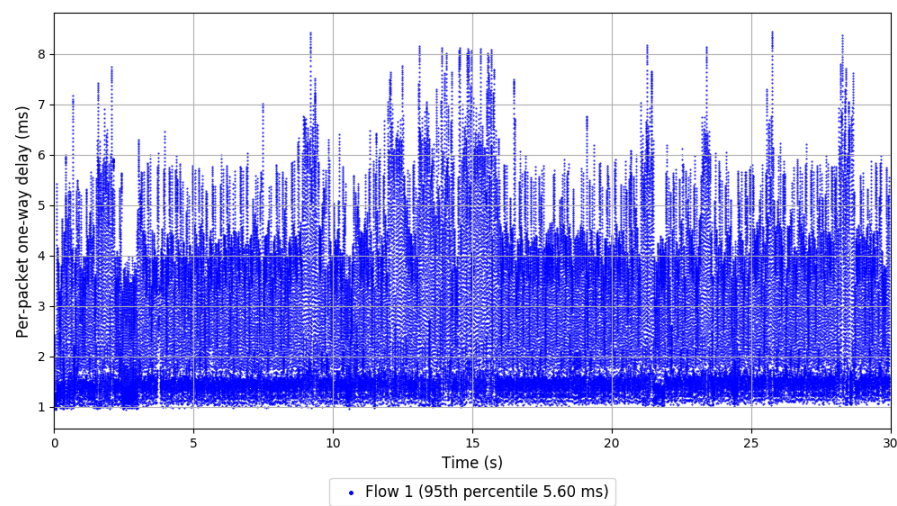
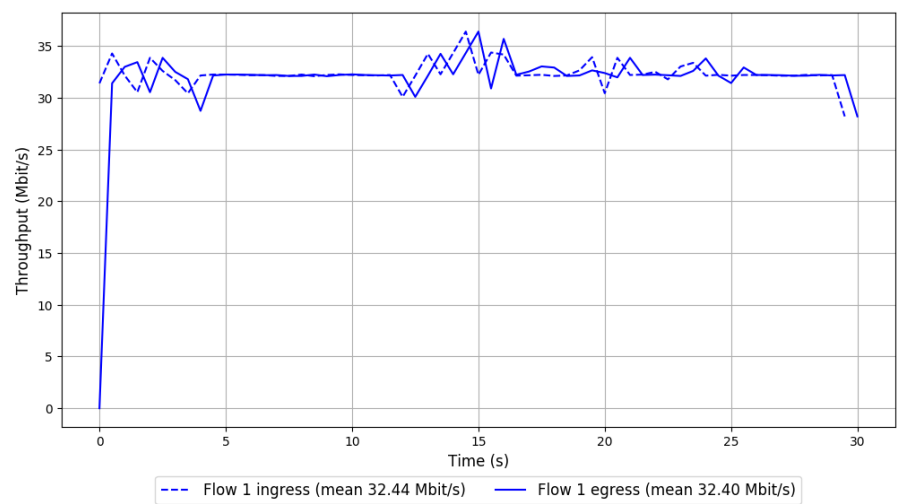


Run 2: Statistics of Sprout

Start at: 2018-07-17 09:18:36
End at: 2018-07-17 09:19:06
Local clock offset: -10.811 ms
Remote clock offset: 0.569 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 5.604 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 5.604 ms
Loss rate: 0.09%

Run 2: Report of Sprout — Data Link

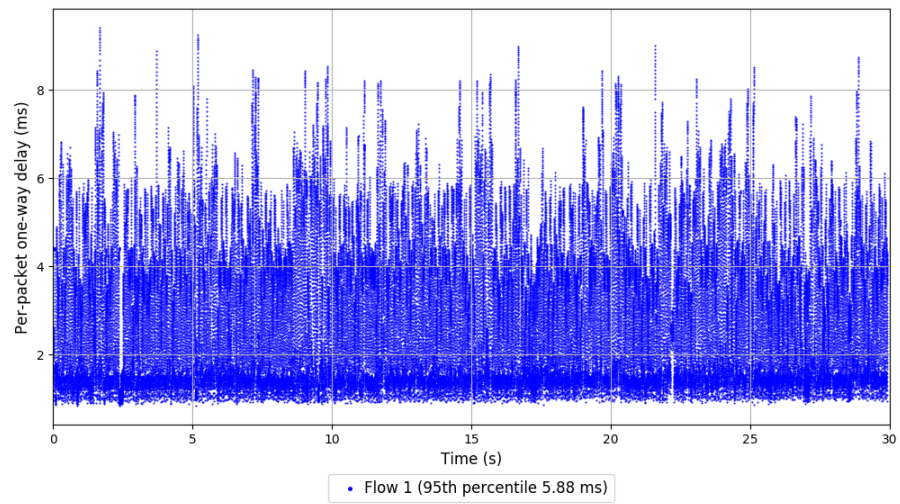
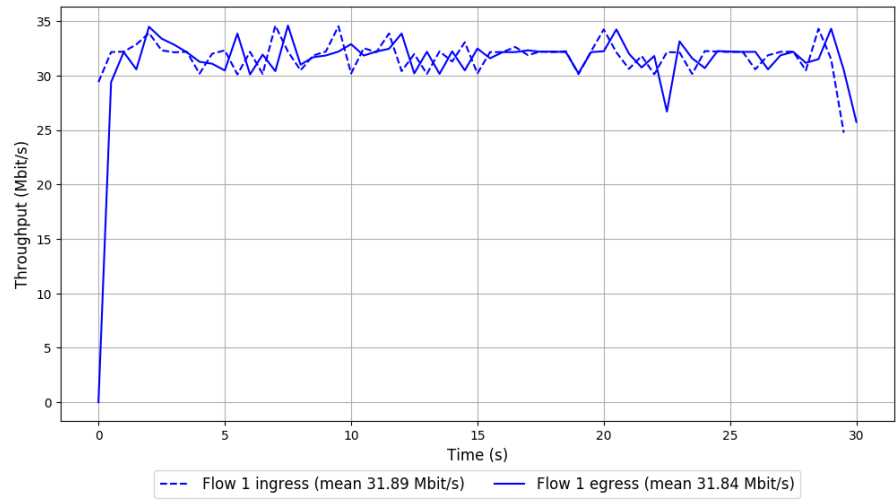


Run 3: Statistics of Sprout

Start at: 2018-07-17 09:43:54
End at: 2018-07-17 09:44:24
Local clock offset: -9.846 ms
Remote clock offset: 0.732 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 5.876 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 5.876 ms
Loss rate: 0.13%

Run 3: Report of Sprout — Data Link

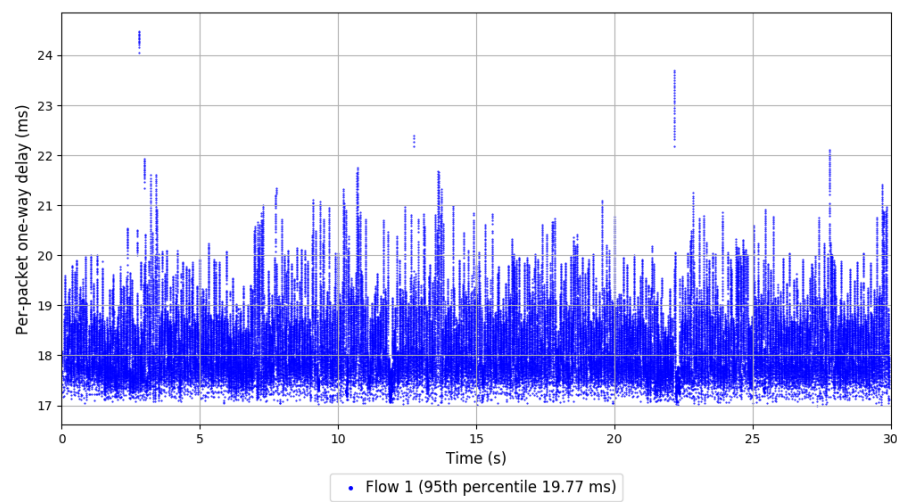
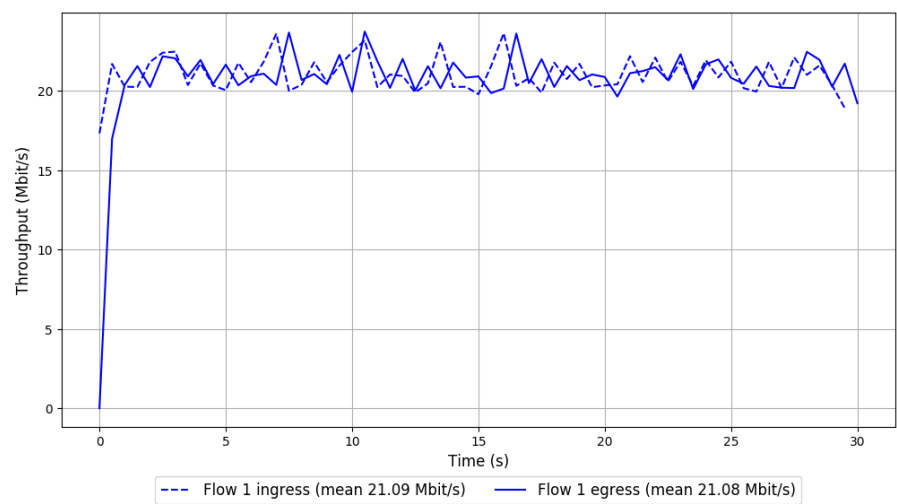


Run 4: Statistics of Sprout

Start at: 2018-07-17 10:09:15
End at: 2018-07-17 10:09:45
Local clock offset: -10.025 ms
Remote clock offset: 0.941 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 19.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 19.773 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-17 10:35:04

End at: 2018-07-17 10:35:34

Local clock offset: -12.08 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 20.329 ms

Loss rate: 0.09%

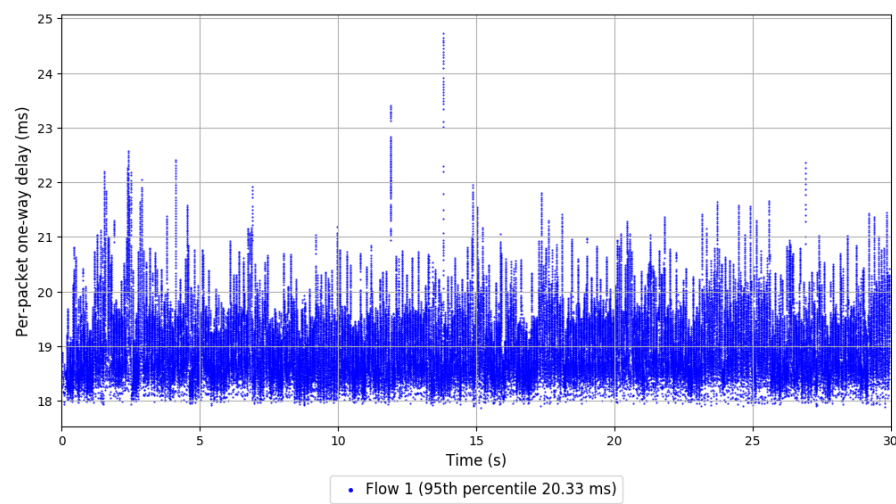
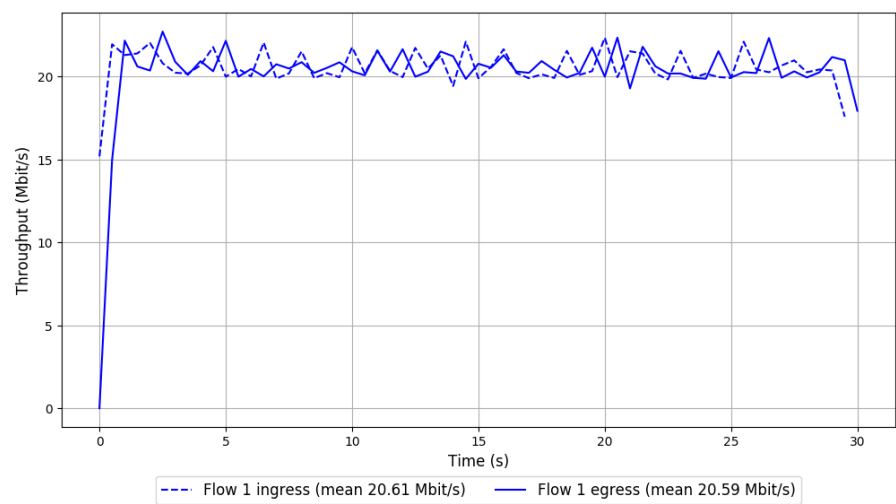
-- Flow 1:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 20.329 ms

Loss rate: 0.09%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-17 11:00:32

End at: 2018-07-17 11:01:02

Local clock offset: -6.2 ms

Remote clock offset: 1.298 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.09 Mbit/s

95th percentile per-packet one-way delay: 19.932 ms

Loss rate: 0.00%

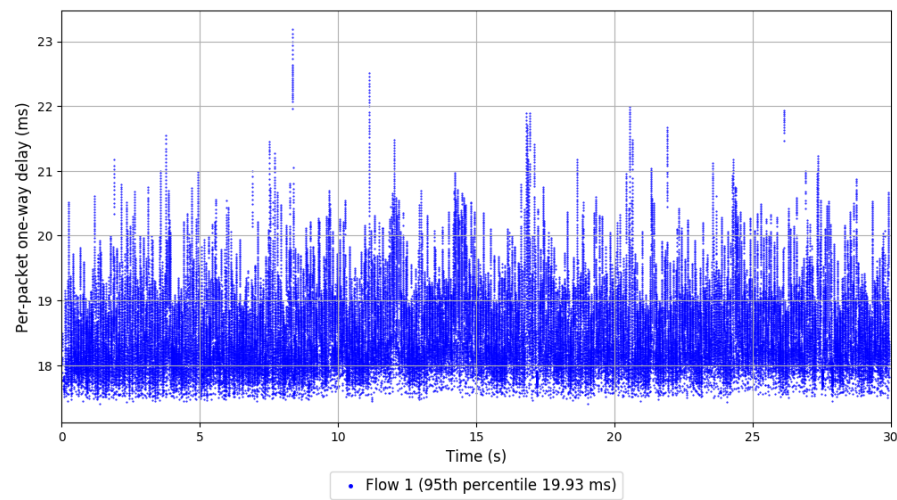
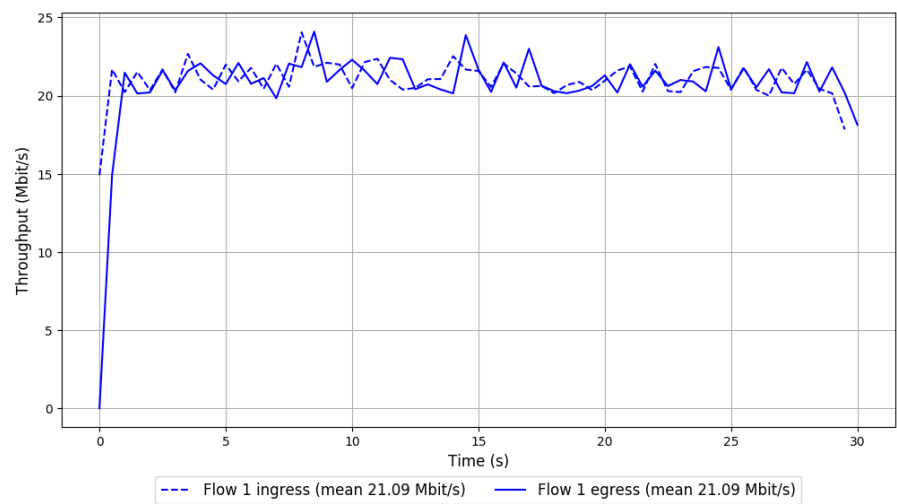
-- Flow 1:

Average throughput: 21.09 Mbit/s

95th percentile per-packet one-way delay: 19.932 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

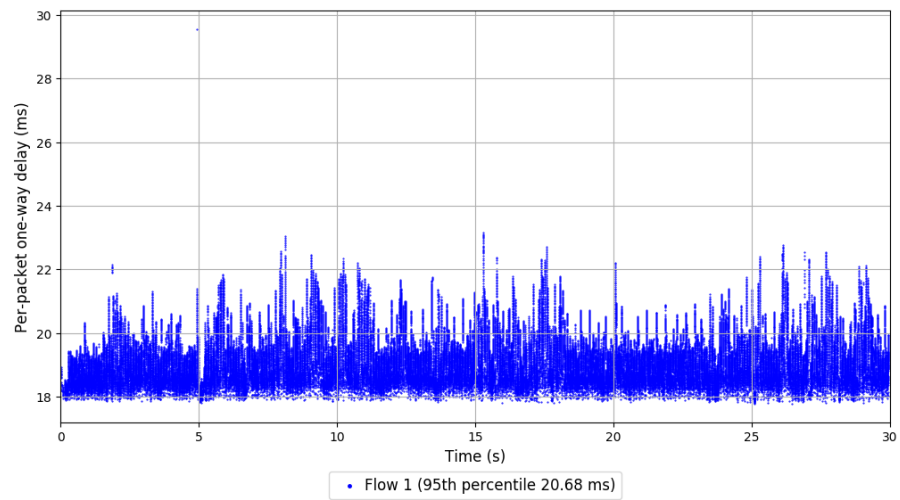
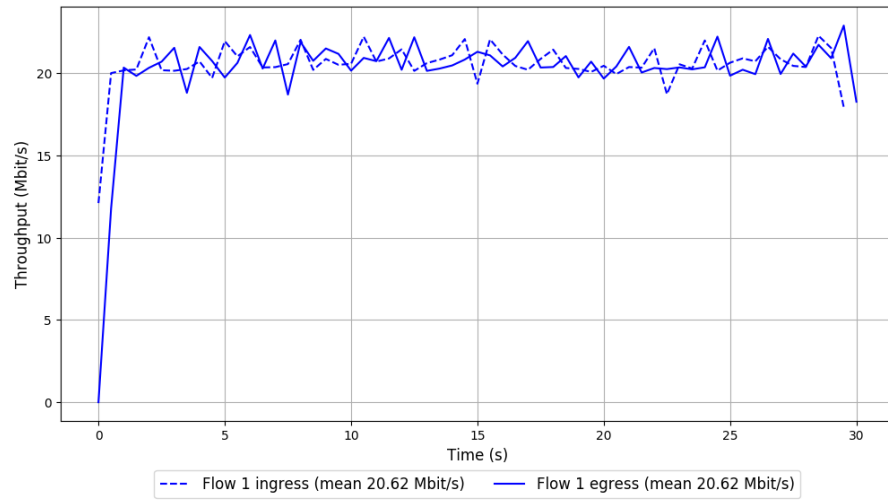


Run 7: Statistics of Sprout

Start at: 2018-07-17 11:26:11
End at: 2018-07-17 11:26:41
Local clock offset: -11.189 ms
Remote clock offset: 1.499 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-17 11:51:38

End at: 2018-07-17 11:52:09

Local clock offset: -7.833 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.14 Mbit/s

95th percentile per-packet one-way delay: 21.631 ms

Loss rate: 0.00%

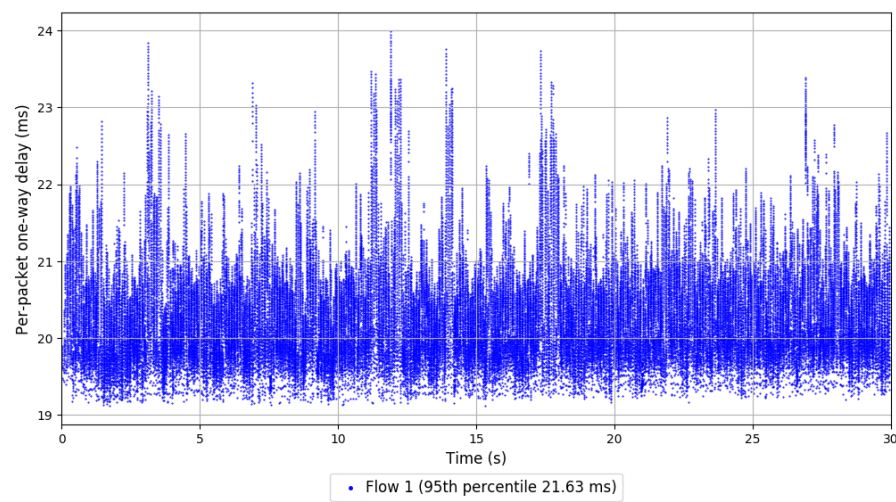
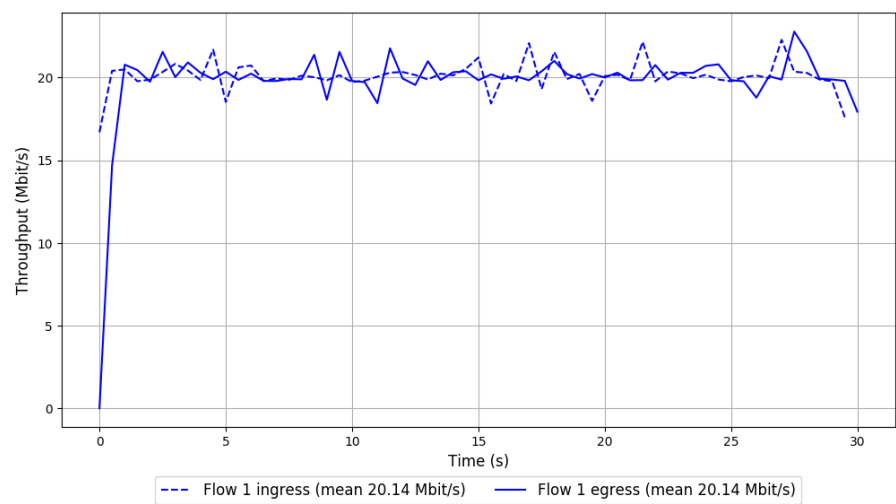
-- Flow 1:

Average throughput: 20.14 Mbit/s

95th percentile per-packet one-way delay: 21.631 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

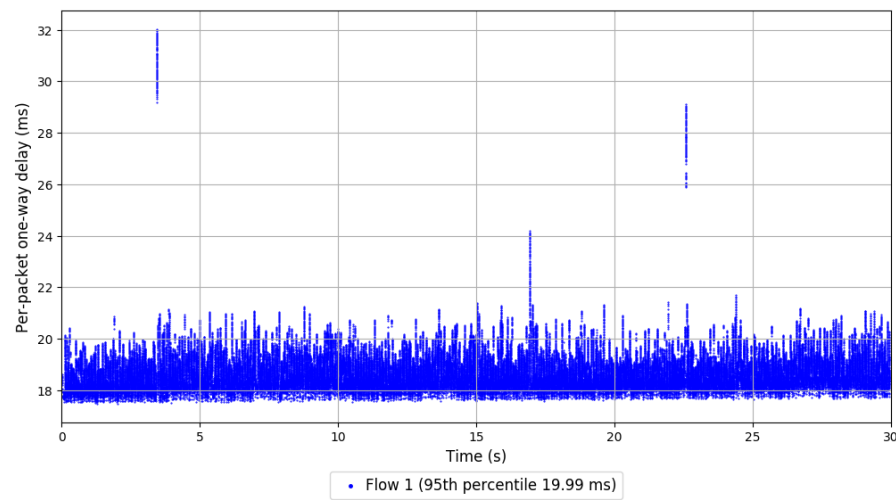
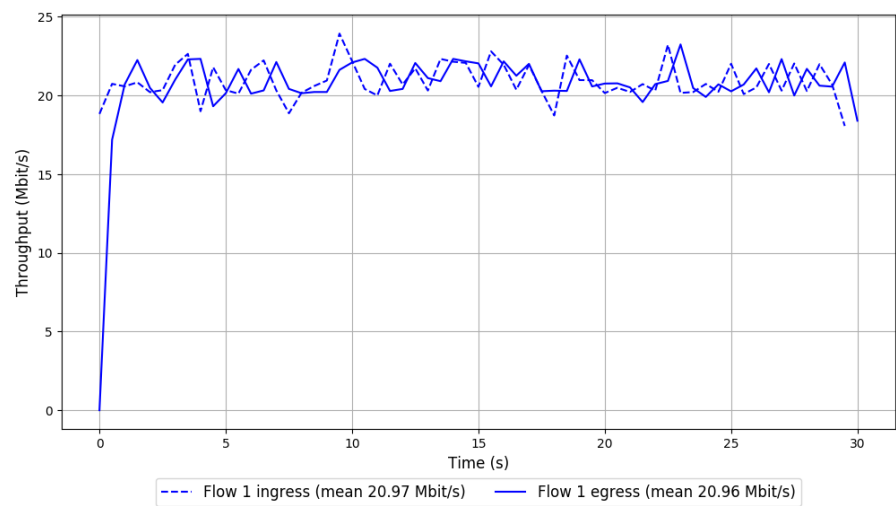


Run 9: Statistics of Sprout

Start at: 2018-07-17 12:17:13
End at: 2018-07-17 12:17:43
Local clock offset: -1.413 ms
Remote clock offset: 1.398 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 19.990 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-17 12:42:46

End at: 2018-07-17 12:43:16

Local clock offset: 2.632 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.12 Mbit/s

95th percentile per-packet one-way delay: 21.523 ms

Loss rate: 0.00%

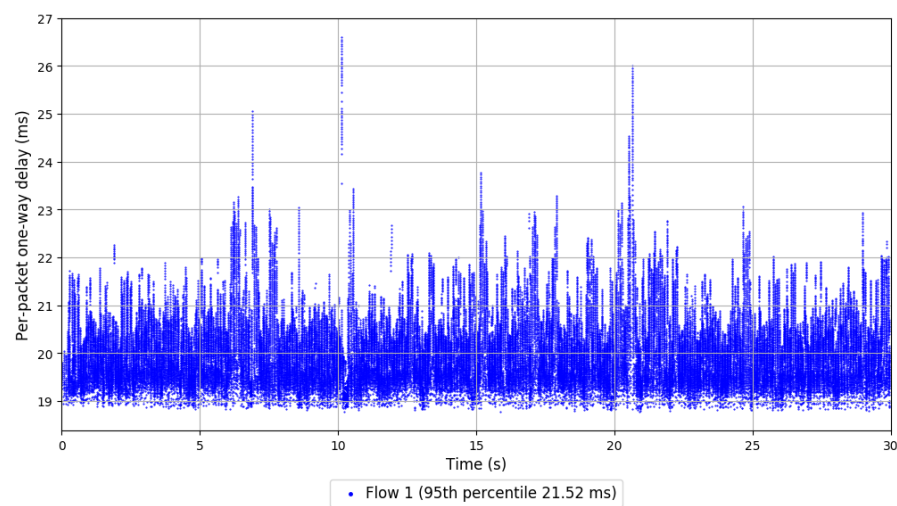
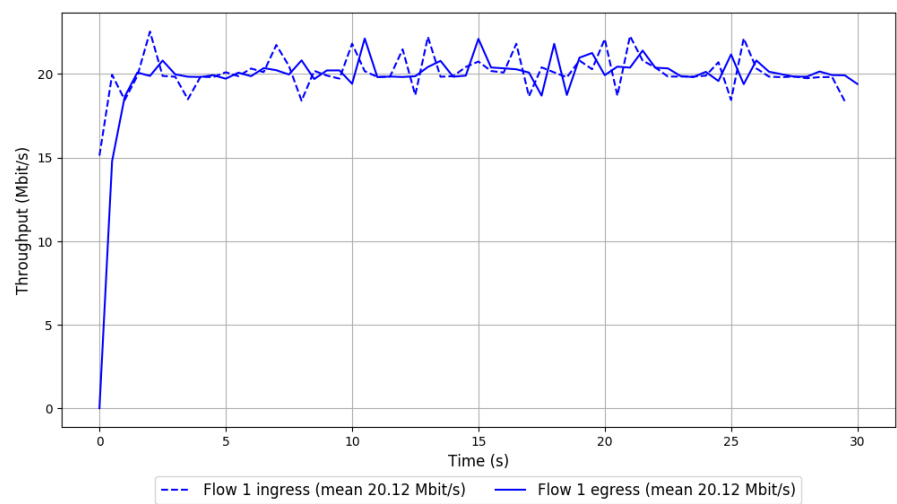
-- Flow 1:

Average throughput: 20.12 Mbit/s

95th percentile per-packet one-way delay: 21.523 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 08:57:56

End at: 2018-07-17 08:58:26

Local clock offset: -13.04 ms

Remote clock offset: 0.441 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.00%

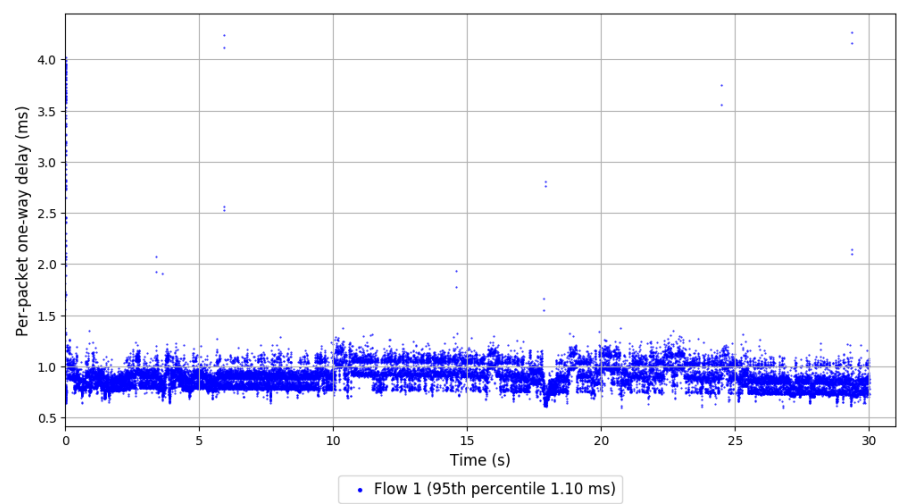
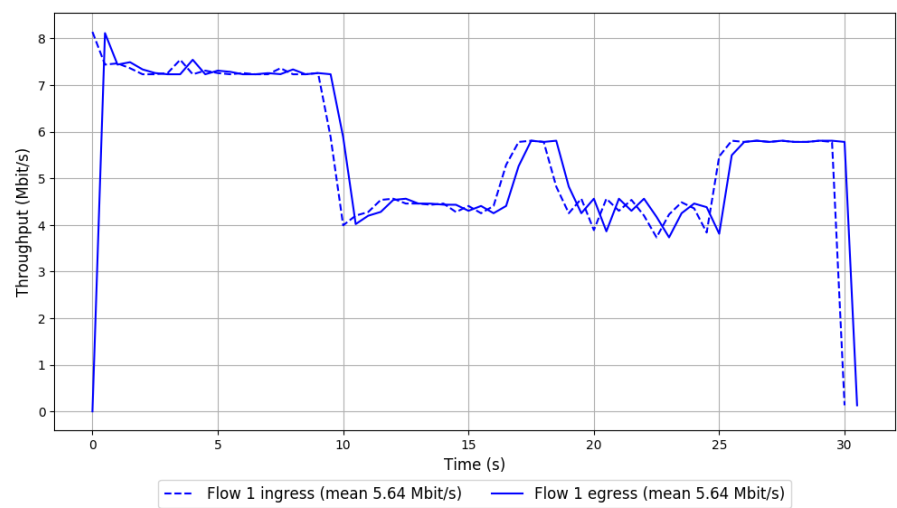
-- Flow 1:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.00%

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

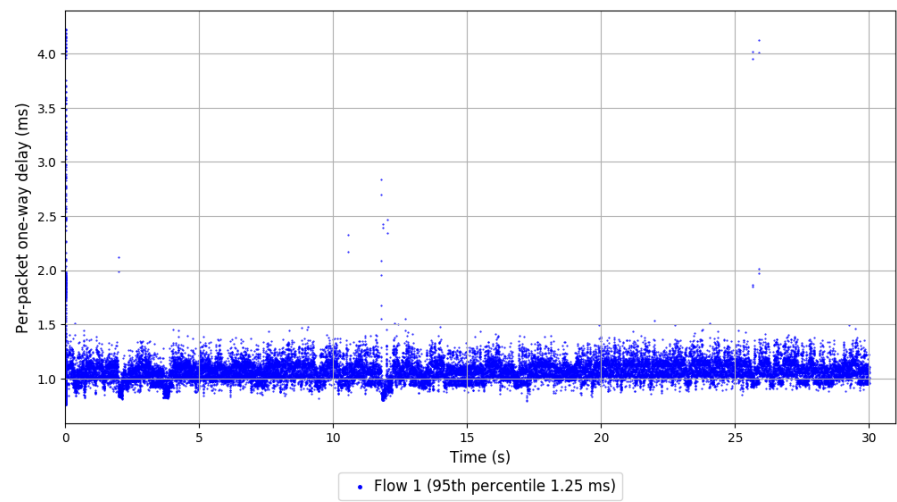
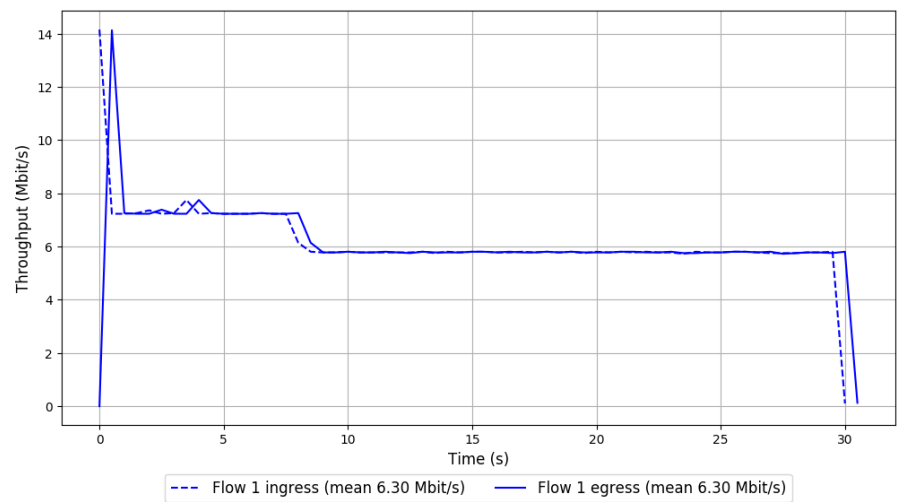


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 09:23:15
End at: 2018-07-17 09:23:45
Local clock offset: -10.161 ms
Remote clock offset: 0.572 ms

Below is generated by plot.py at 2018-07-17 14:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 09:48:18

End at: 2018-07-17 09:48:48

Local clock offset: -9.486 ms

Remote clock offset: 0.853 ms

Below is generated by plot.py at 2018-07-17 14:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 1.340 ms

Loss rate: 0.00%

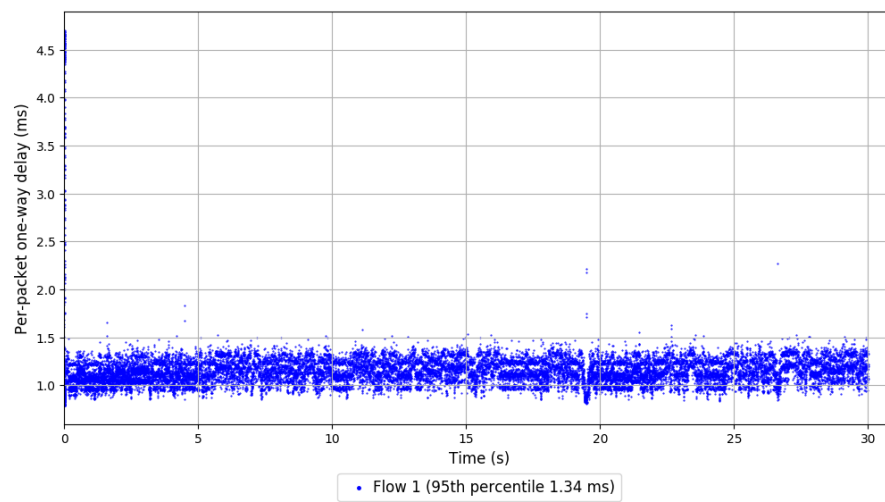
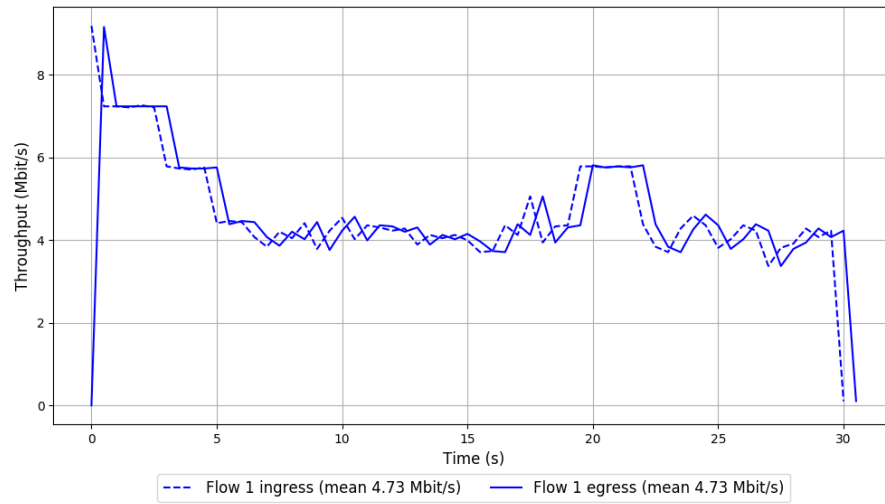
-- Flow 1:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 1.340 ms

Loss rate: 0.00%

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

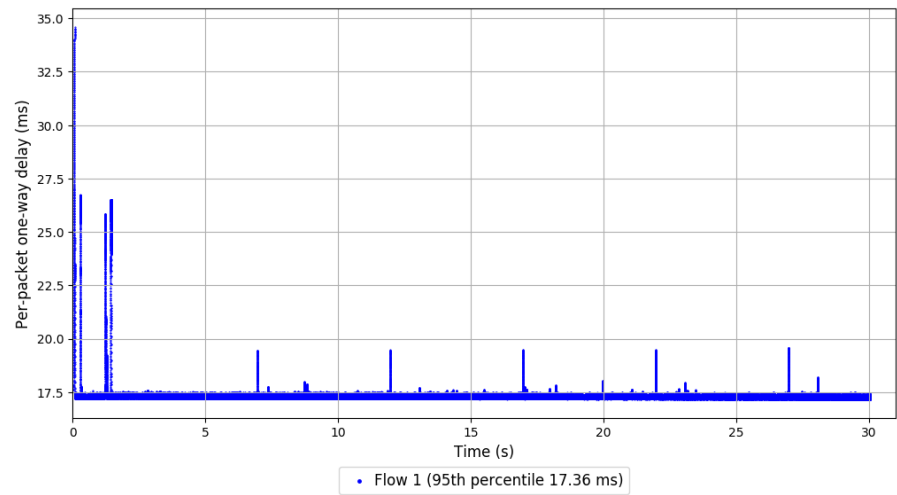
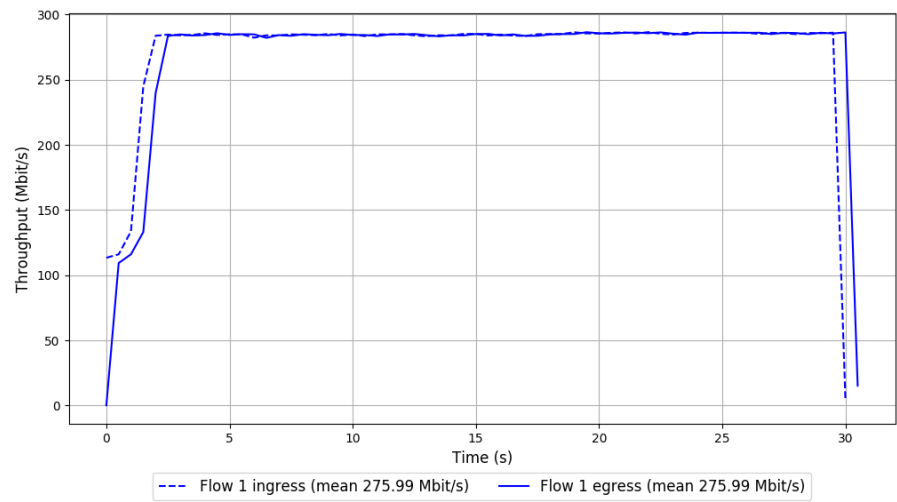


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 10:13:52
End at: 2018-07-17 10:14:22
Local clock offset: -10.563 ms
Remote clock offset: 1.13 ms

Below is generated by plot.py at 2018-07-17 14:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.99 Mbit/s
95th percentile per-packet one-way delay: 17.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 275.99 Mbit/s
95th percentile per-packet one-way delay: 17.355 ms
Loss rate: 0.00%

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

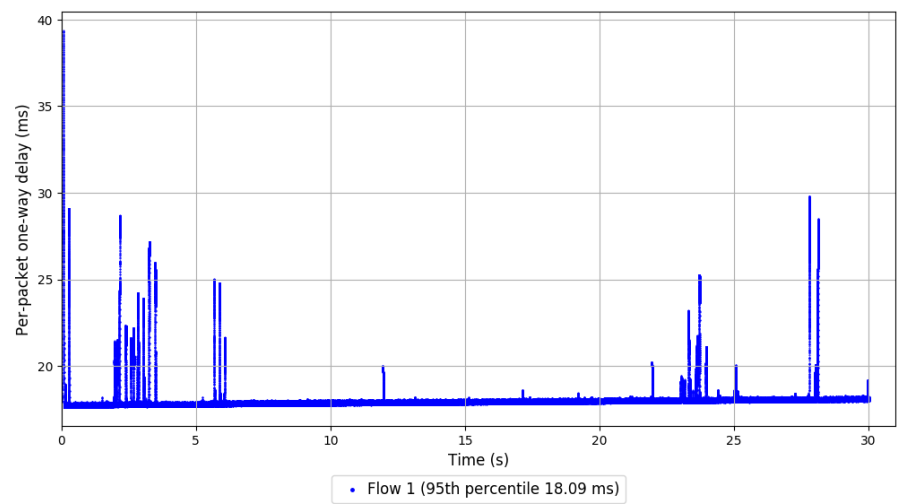
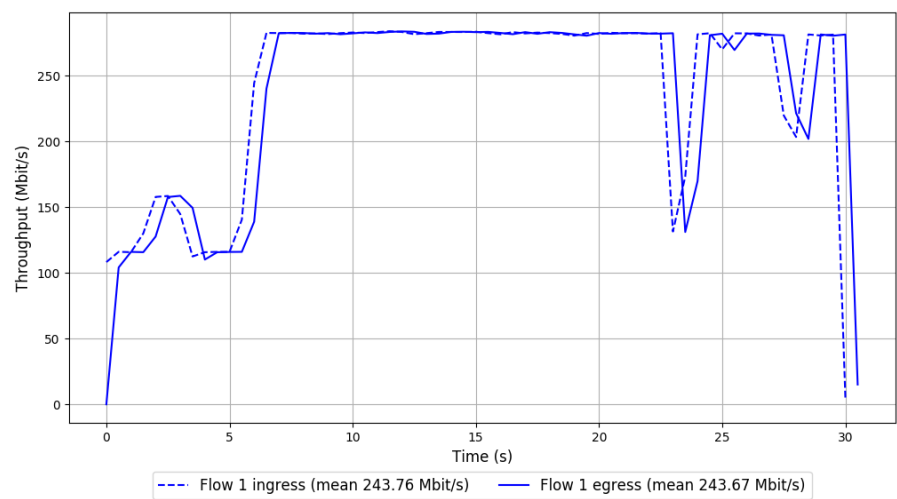


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 10:39:36
End at: 2018-07-17 10:40:07
Local clock offset: -12.209 ms
Remote clock offset: 1.157 ms

Below is generated by plot.py at 2018-07-17 14:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.67 Mbit/s
95th percentile per-packet one-way delay: 18.088 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 243.67 Mbit/s
95th percentile per-packet one-way delay: 18.088 ms
Loss rate: 0.04%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 11:05:10

End at: 2018-07-17 11:05:40

Local clock offset: -5.805 ms

Remote clock offset: 1.325 ms

Below is generated by plot.py at 2018-07-17 14:53:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.70 Mbit/s

95th percentile per-packet one-way delay: 17.412 ms

Loss rate: 0.03%

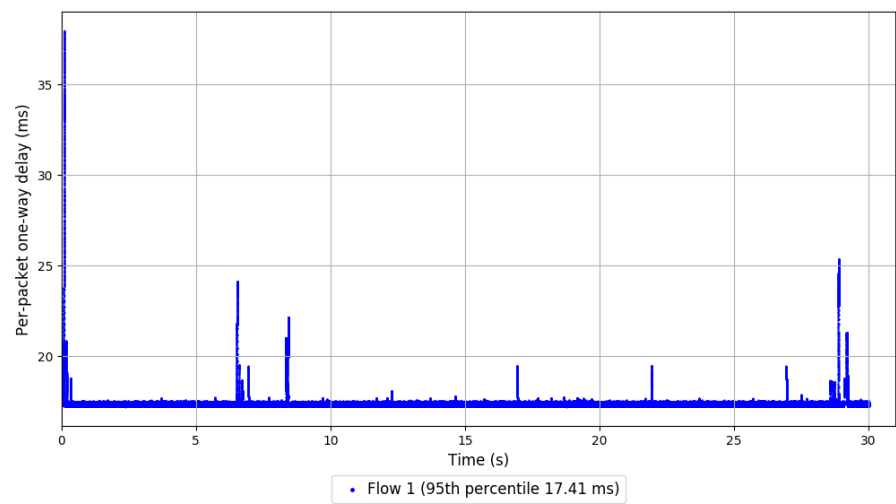
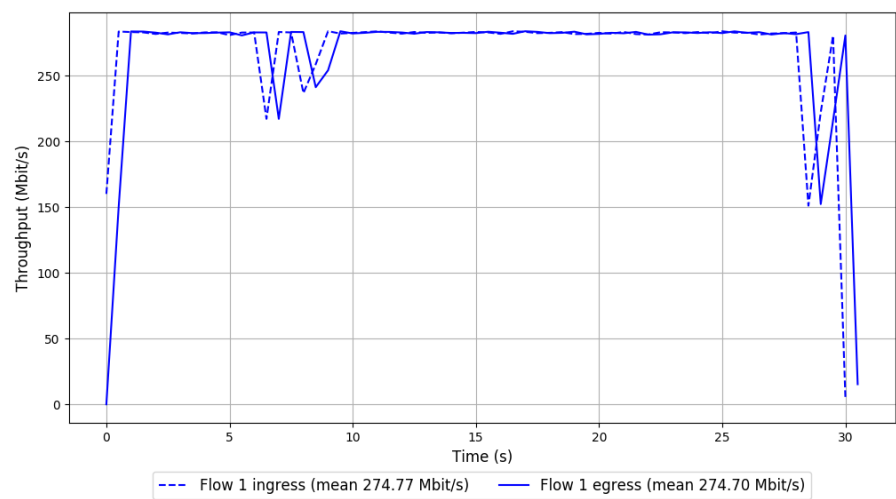
-- Flow 1:

Average throughput: 274.70 Mbit/s

95th percentile per-packet one-way delay: 17.412 ms

Loss rate: 0.03%

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

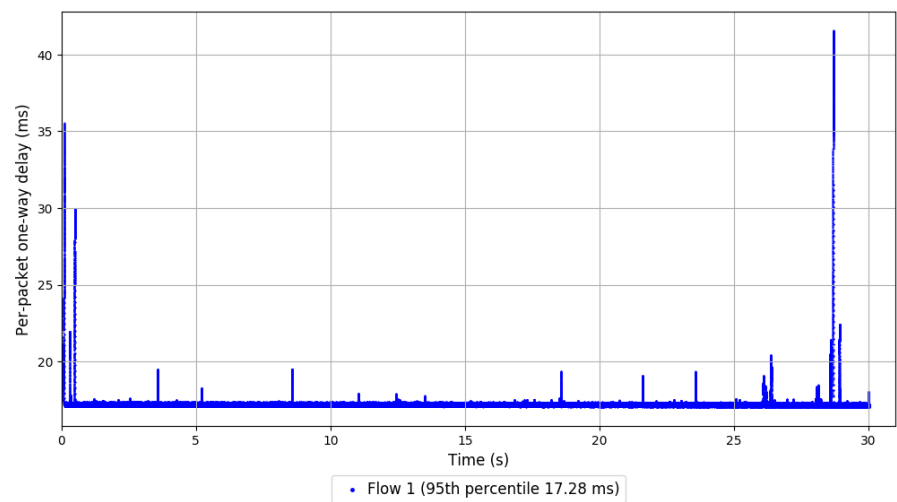
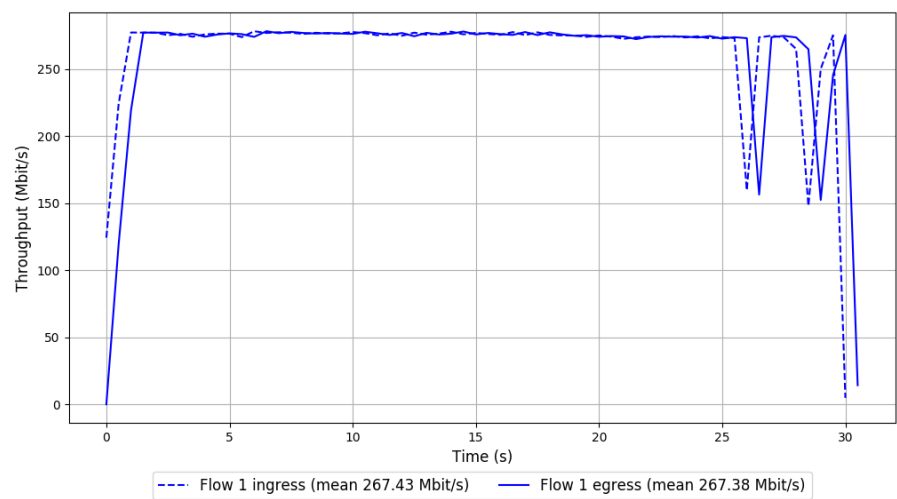


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 11:30:48
End at: 2018-07-17 11:31:18
Local clock offset: -11.738 ms
Remote clock offset: 1.547 ms

Below is generated by plot.py at 2018-07-17 14:53:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.38 Mbit/s
95th percentile per-packet one-way delay: 17.282 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 267.38 Mbit/s
95th percentile per-packet one-way delay: 17.282 ms
Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 11:56:18

End at: 2018-07-17 11:56:48

Local clock offset: -7.116 ms

Remote clock offset: 1.639 ms

Below is generated by plot.py at 2018-07-17 14:53:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.48 Mbit/s

95th percentile per-packet one-way delay: 18.983 ms

Loss rate: 0.00%

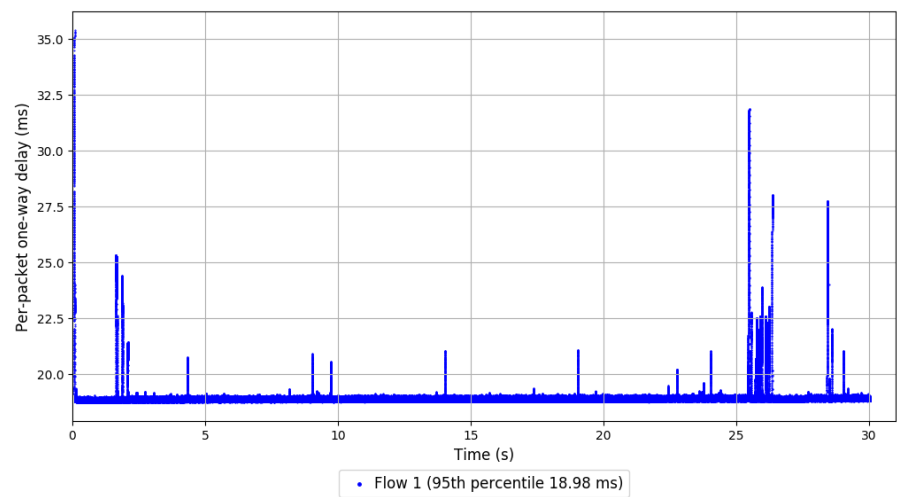
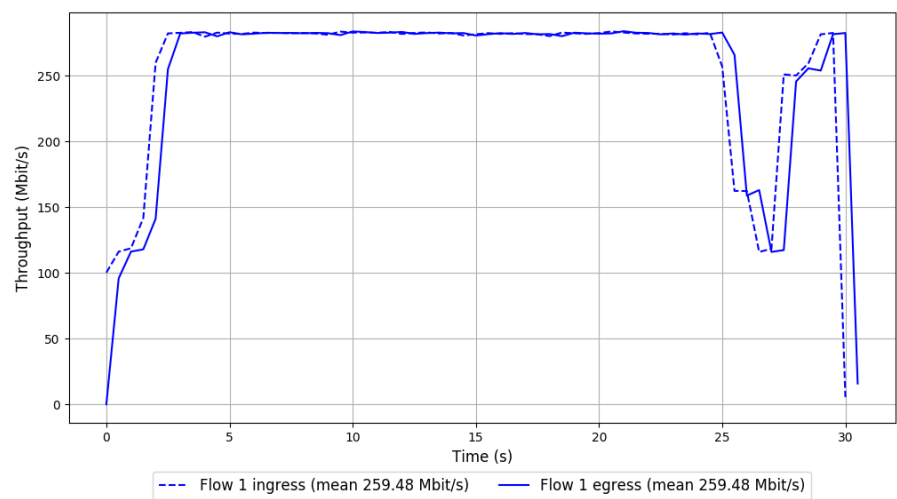
-- Flow 1:

Average throughput: 259.48 Mbit/s

95th percentile per-packet one-way delay: 18.983 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 12:21:49

End at: 2018-07-17 12:22:19

Local clock offset: 0.24 ms

Remote clock offset: 1.287 ms

Below is generated by plot.py at 2018-07-17 14:53:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.71 Mbit/s

95th percentile per-packet one-way delay: 19.247 ms

Loss rate: 0.00%

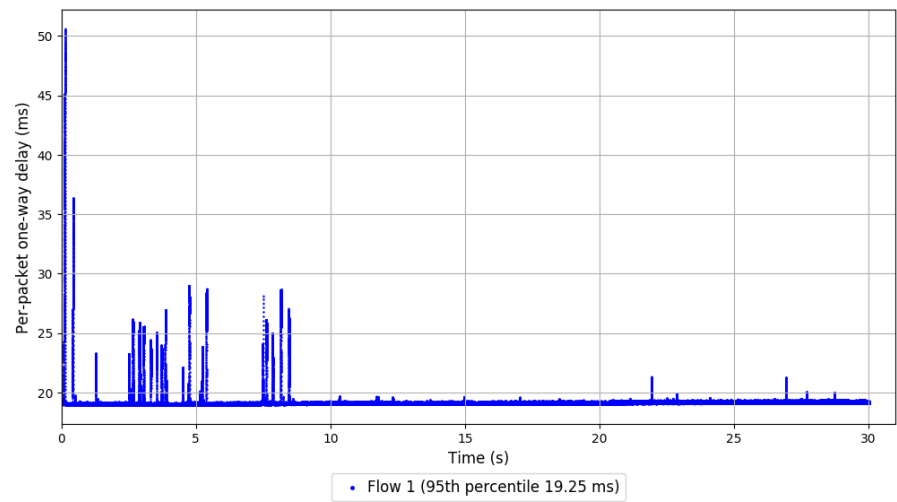
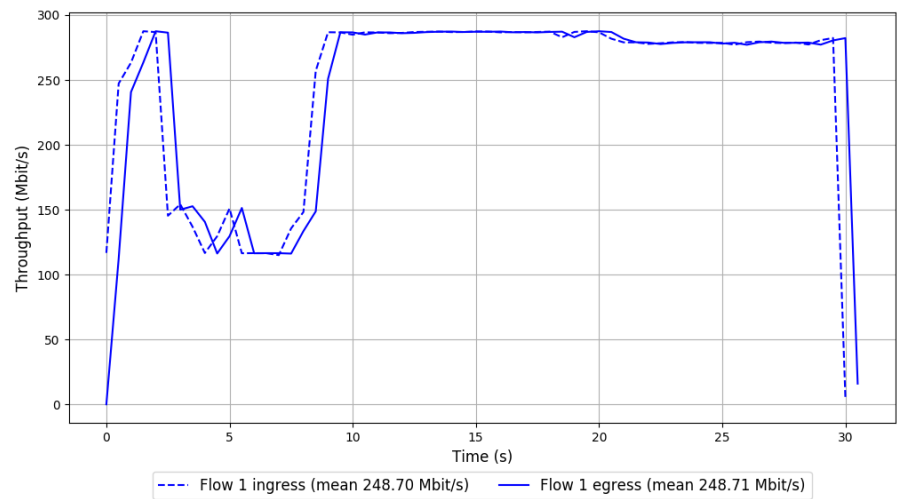
-- Flow 1:

Average throughput: 248.71 Mbit/s

95th percentile per-packet one-way delay: 19.247 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 12:47:20

End at: 2018-07-17 12:47:50

Local clock offset: 1.976 ms

Remote clock offset: 0.811 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.21 Mbit/s

95th percentile per-packet one-way delay: 17.195 ms

Loss rate: 0.00%

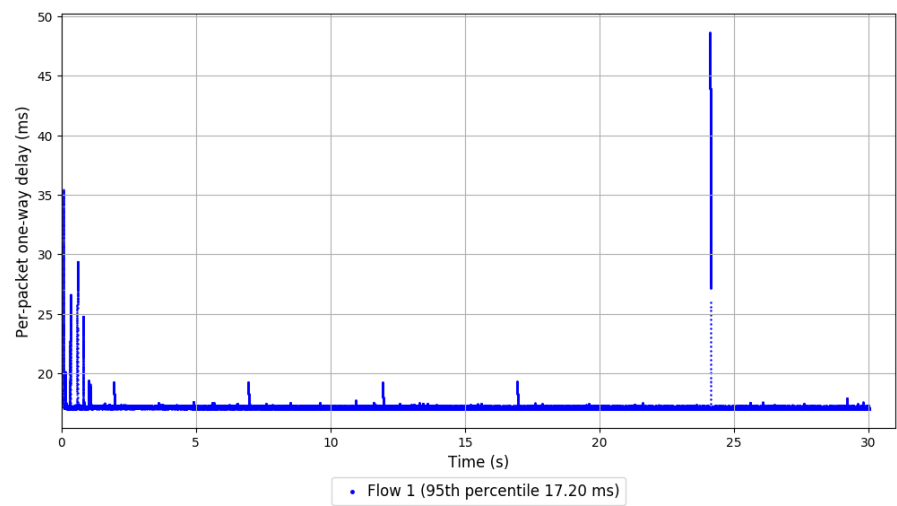
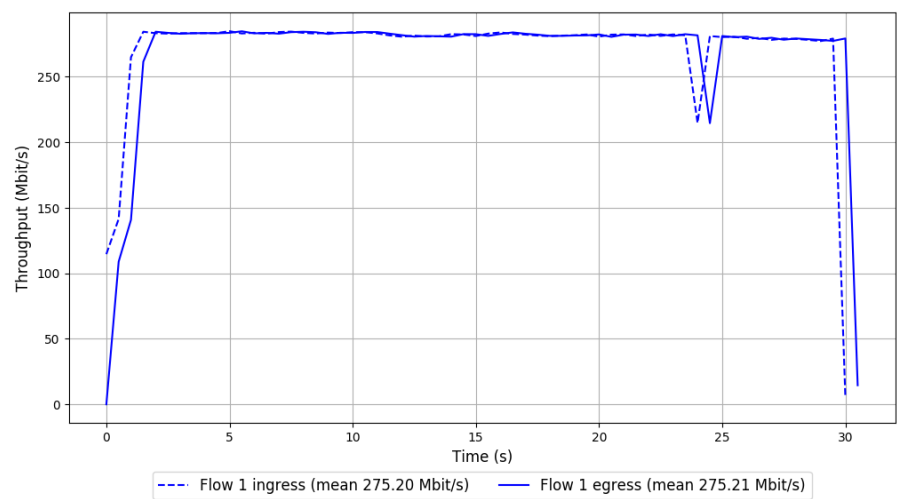
-- Flow 1:

Average throughput: 275.21 Mbit/s

95th percentile per-packet one-way delay: 17.195 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 09:10:00
End at: 2018-07-17 09:10:30
Local clock offset: -14.647 ms
Remote clock offset: 0.503 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.71 Mbit/s

95th percentile per-packet one-way delay: 2.574 ms

Loss rate: 0.00%

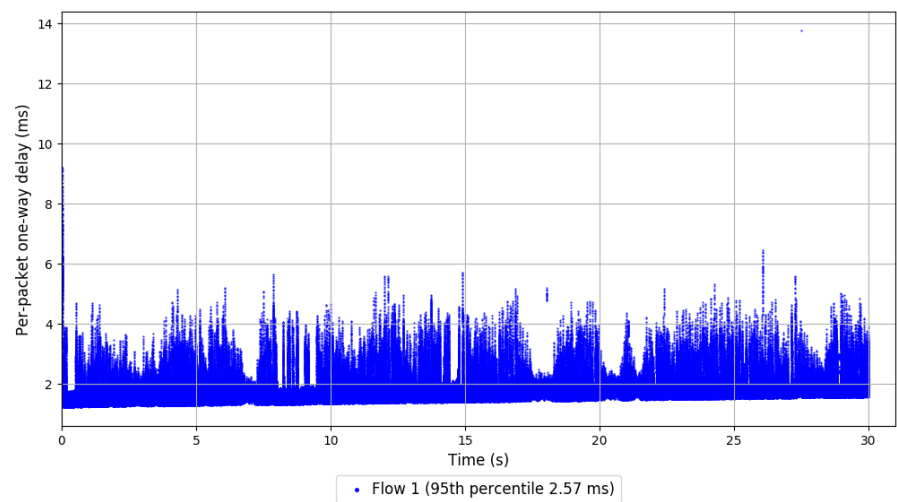
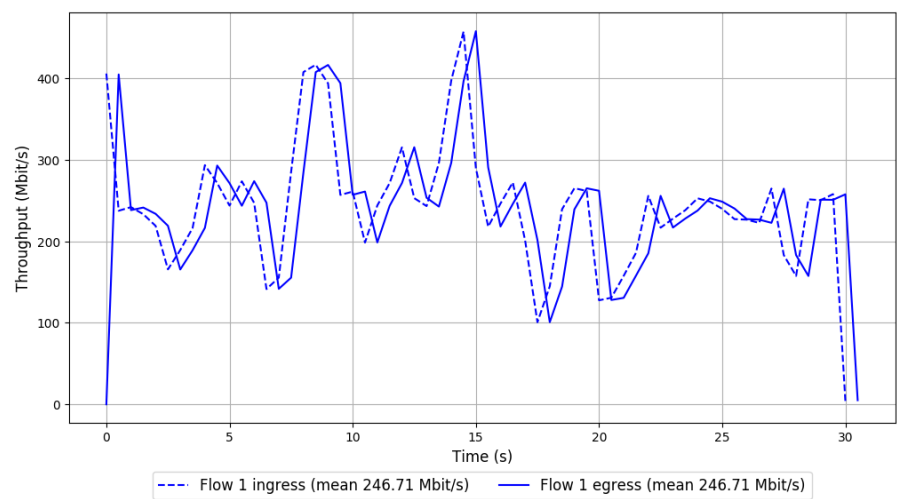
-- Flow 1:

Average throughput: 246.71 Mbit/s

95th percentile per-packet one-way delay: 2.574 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 09:35:37

End at: 2018-07-17 09:36:07

Local clock offset: -10.27 ms

Remote clock offset: 0.688 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.87 Mbit/s

95th percentile per-packet one-way delay: 1.710 ms

Loss rate: 0.01%

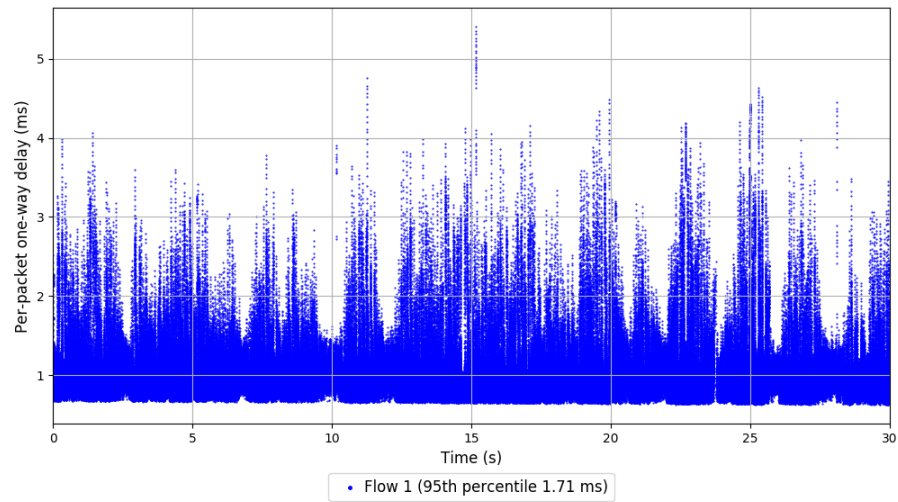
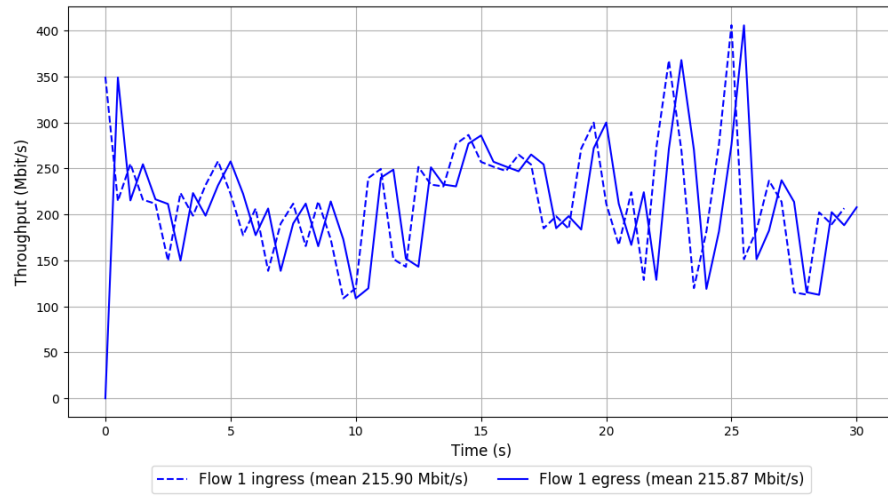
-- Flow 1:

Average throughput: 215.87 Mbit/s

95th percentile per-packet one-way delay: 1.710 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 10:00:29

End at: 2018-07-17 10:00:59

Local clock offset: -9.549 ms

Remote clock offset: 0.902 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.60 Mbit/s

95th percentile per-packet one-way delay: 23.358 ms

Loss rate: 0.00%

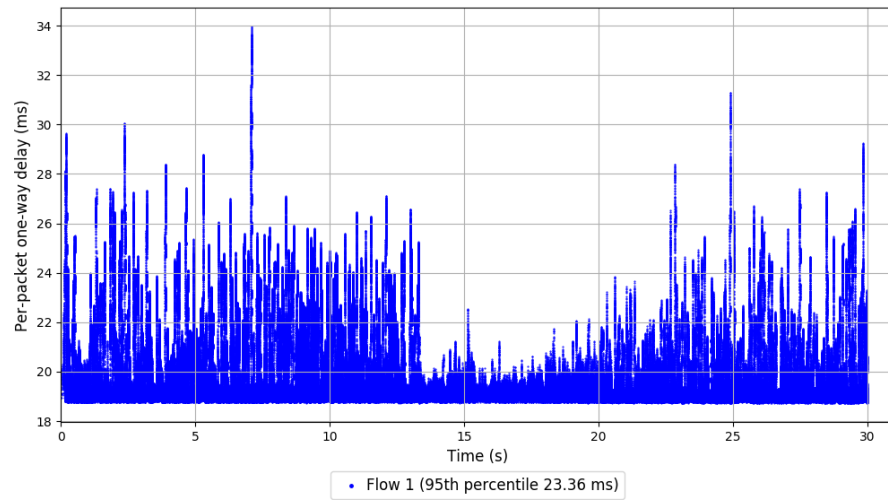
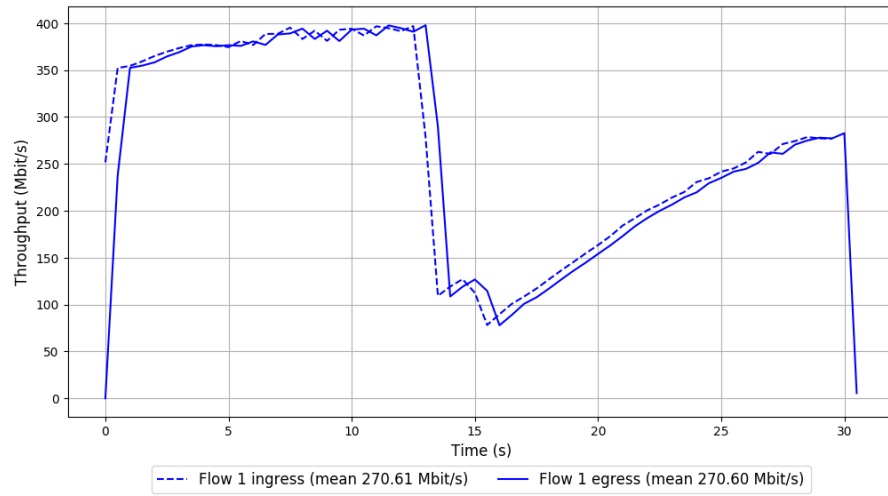
-- Flow 1:

Average throughput: 270.60 Mbit/s

95th percentile per-packet one-way delay: 23.358 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

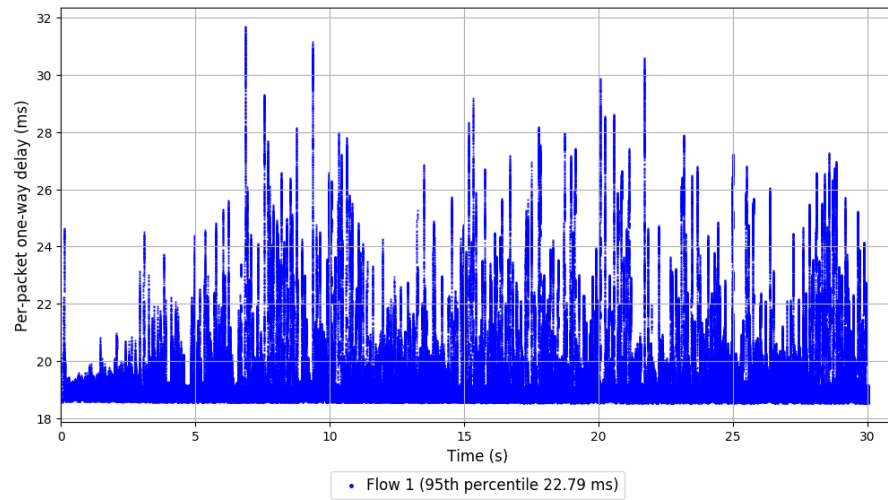
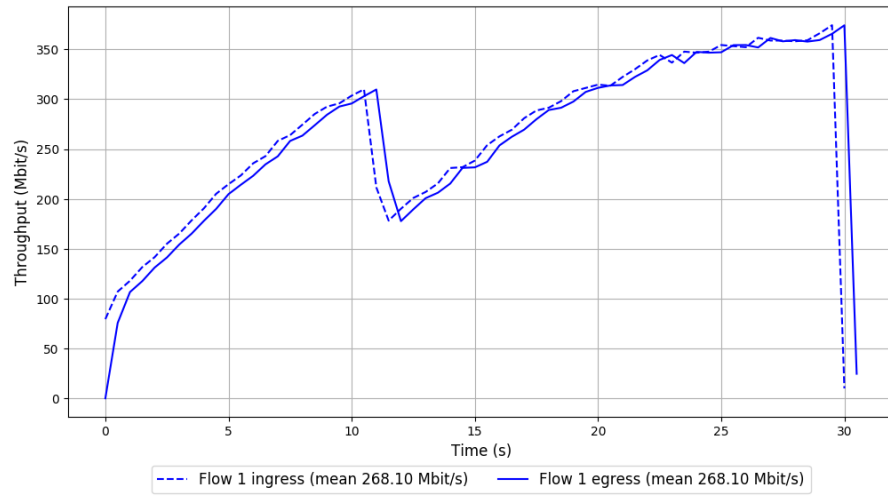


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 10:26:20
End at: 2018-07-17 10:26:50
Local clock offset: -11.481 ms
Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-07-17 14:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.10 Mbit/s
95th percentile per-packet one-way delay: 22.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.10 Mbit/s
95th percentile per-packet one-way delay: 22.792 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 10:51:59

End at: 2018-07-17 10:52:29

Local clock offset: -7.225 ms

Remote clock offset: 1.2 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 19.879 ms

Loss rate: 0.35%

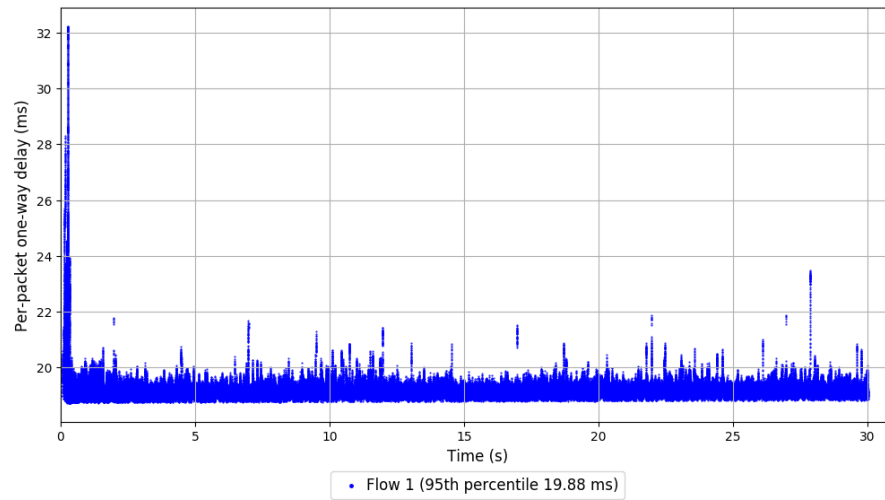
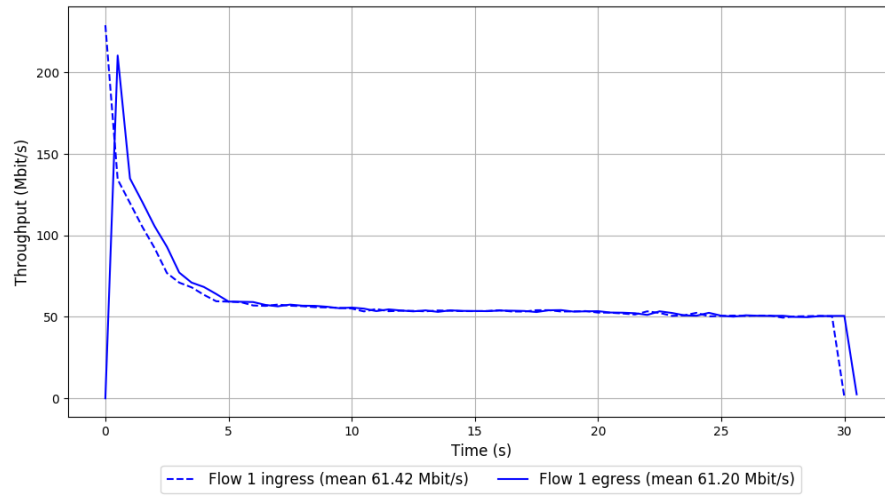
-- Flow 1:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 19.879 ms

Loss rate: 0.35%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 11:17:33

End at: 2018-07-17 11:18:03

Local clock offset: -9.427 ms

Remote clock offset: 1.466 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 19.839 ms

Loss rate: 0.35%

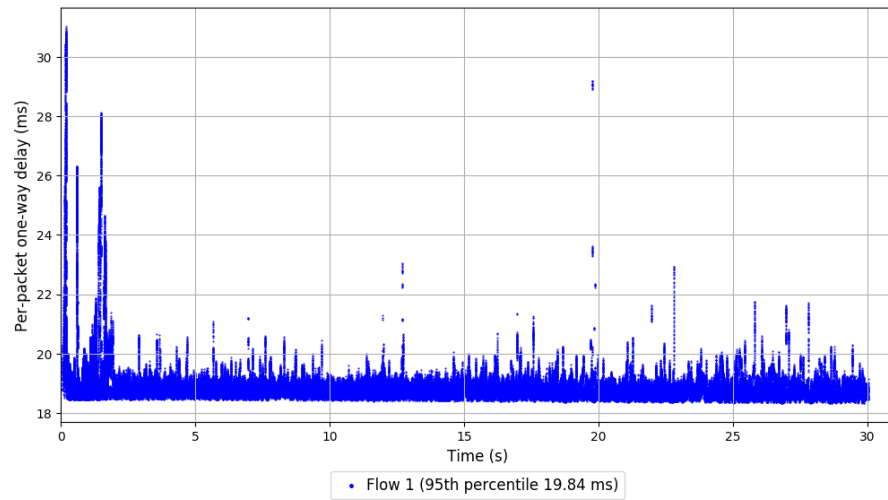
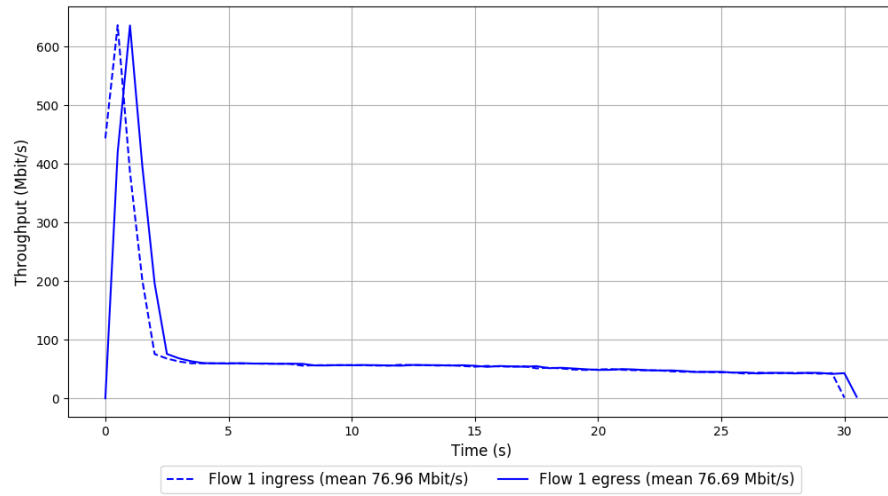
-- Flow 1:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 19.839 ms

Loss rate: 0.35%

Run 6: Report of TCP Vegas — Data Link

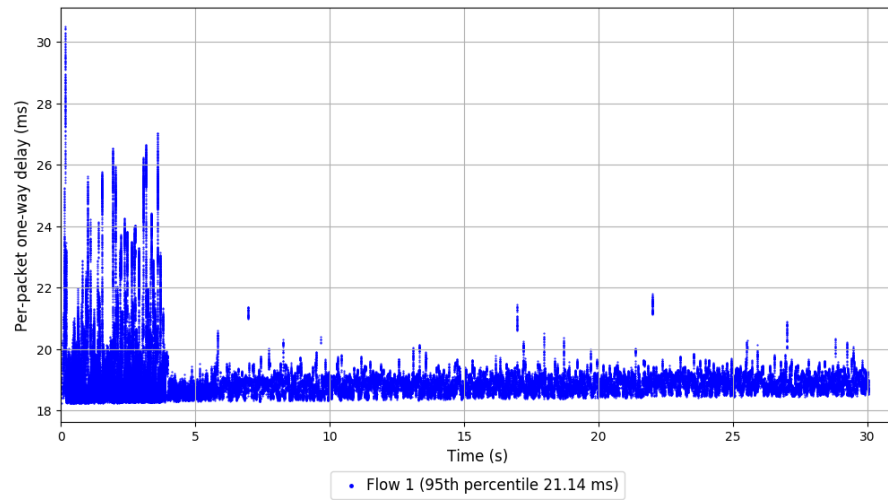
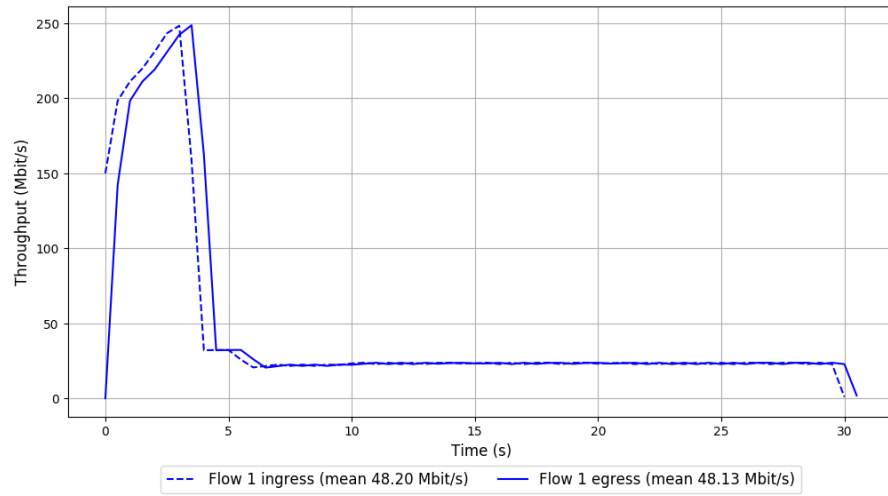


Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 11:43:05
End at: 2018-07-17 11:43:35
Local clock offset: -10.379 ms
Remote clock offset: 1.689 ms

Below is generated by plot.py at 2018-07-17 14:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 21.135 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 21.135 ms
Loss rate: 0.15%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 12:08:34

End at: 2018-07-17 12:09:04

Local clock offset: -6.31 ms

Remote clock offset: 1.559 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.80 Mbit/s

95th percentile per-packet one-way delay: 22.514 ms

Loss rate: 0.06%

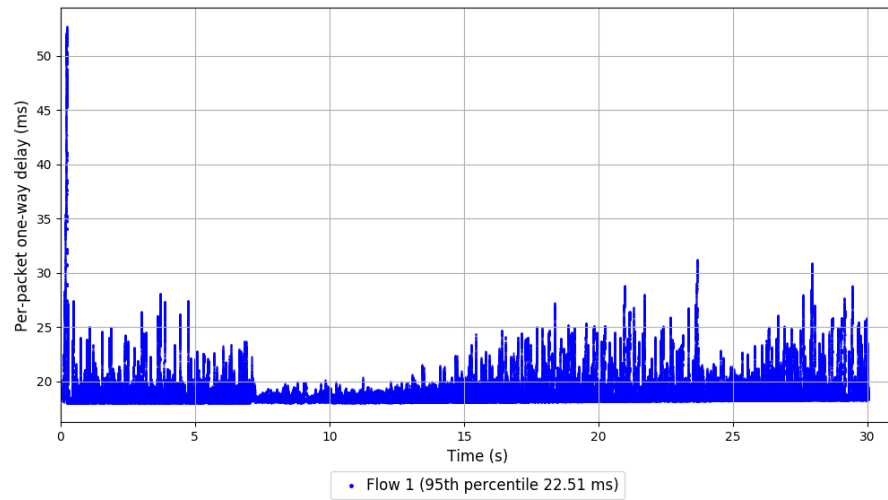
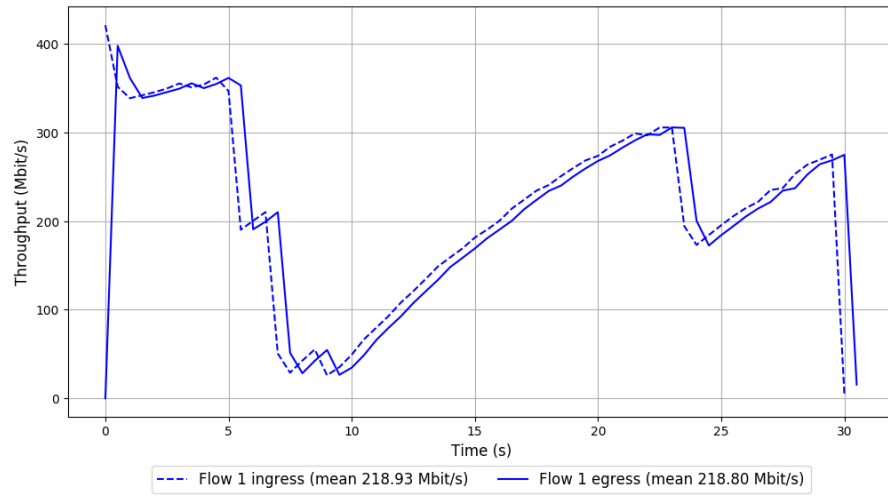
-- Flow 1:

Average throughput: 218.80 Mbit/s

95th percentile per-packet one-way delay: 22.514 ms

Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 12:34:07

End at: 2018-07-17 12:34:37

Local clock offset: 2.771 ms

Remote clock offset: 1.089 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.58 Mbit/s

95th percentile per-packet one-way delay: 20.418 ms

Loss rate: 0.05%

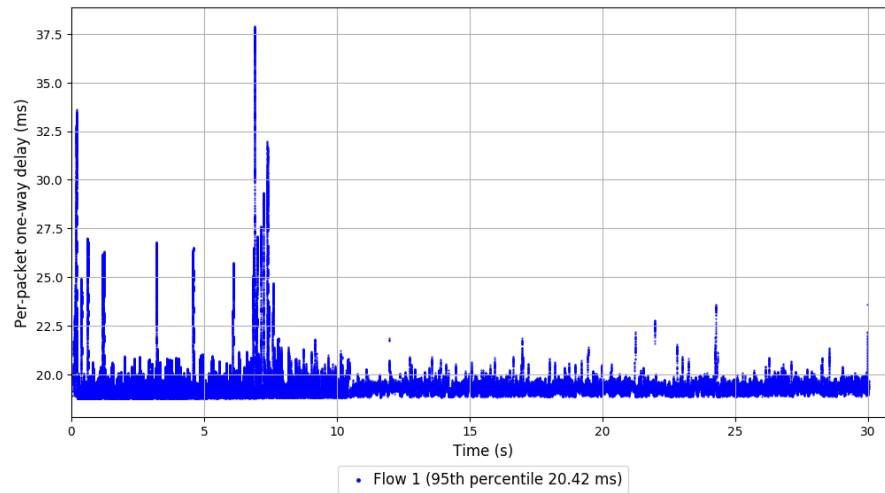
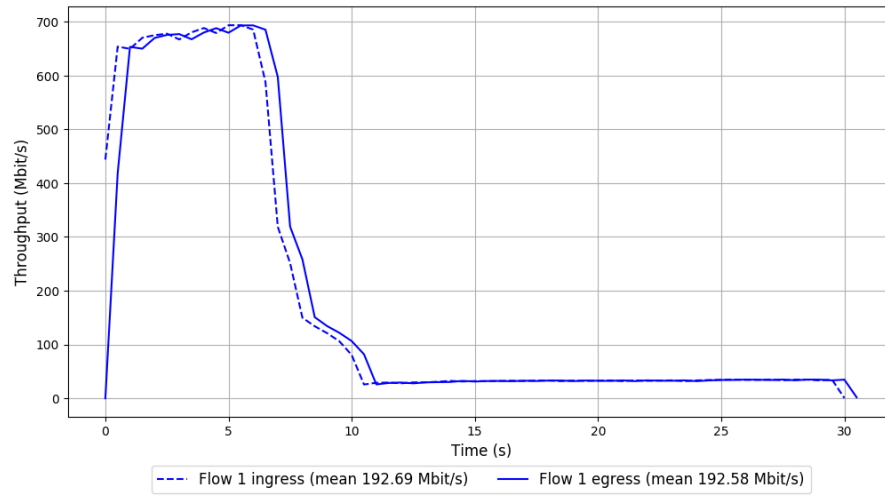
-- Flow 1:

Average throughput: 192.58 Mbit/s

95th percentile per-packet one-way delay: 20.418 ms

Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 12:59:37

End at: 2018-07-17 13:00:07

Local clock offset: 1.669 ms

Remote clock offset: 0.609 ms

Below is generated by plot.py at 2018-07-17 14:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.40 Mbit/s

95th percentile per-packet one-way delay: 23.407 ms

Loss rate: 0.20%

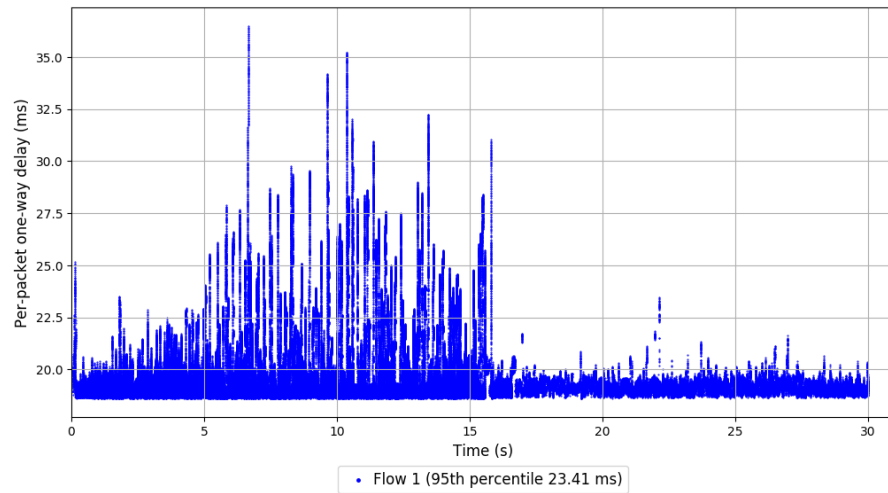
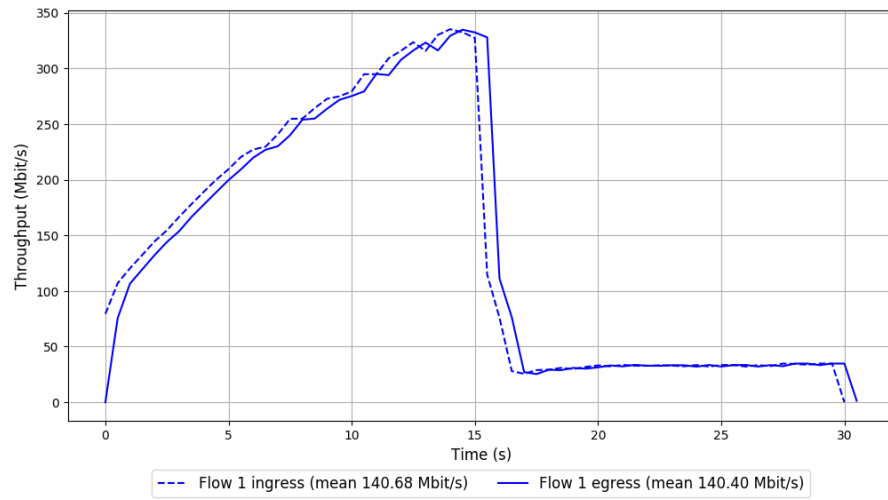
-- Flow 1:

Average throughput: 140.40 Mbit/s

95th percentile per-packet one-way delay: 23.407 ms

Loss rate: 0.20%

Run 10: Report of TCP Vegas — Data Link

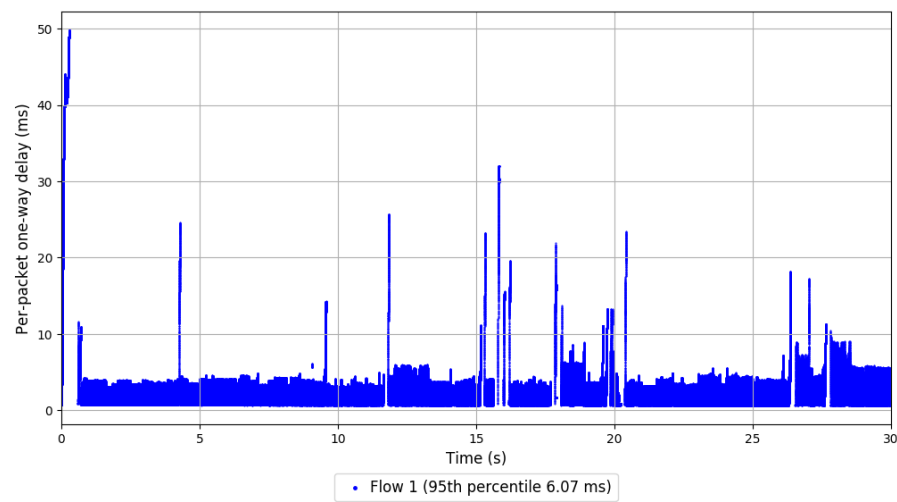
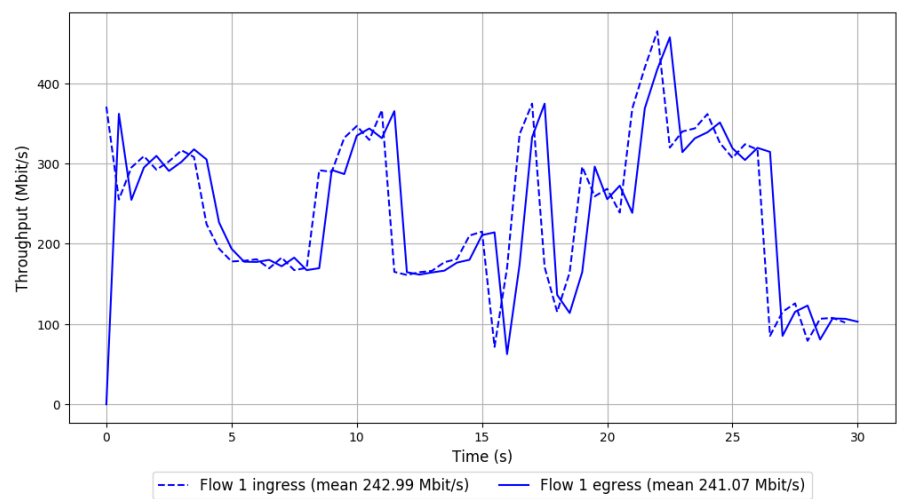


Run 1: Statistics of Verus

Start at: 2018-07-17 09:03:48
End at: 2018-07-17 09:04:18
Local clock offset: -14.015 ms
Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-07-17 14:58:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.07 Mbit/s
95th percentile per-packet one-way delay: 6.071 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 241.07 Mbit/s
95th percentile per-packet one-way delay: 6.071 ms
Loss rate: 0.79%

Run 1: Report of Verus — Data Link

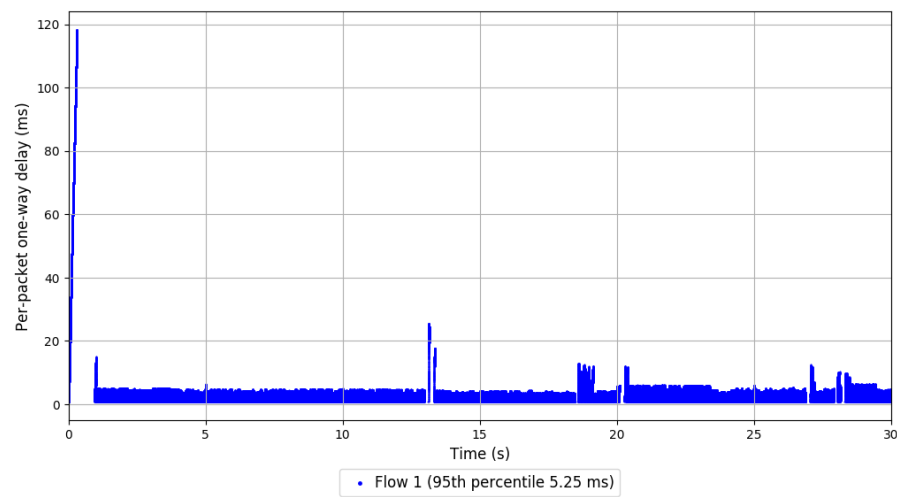
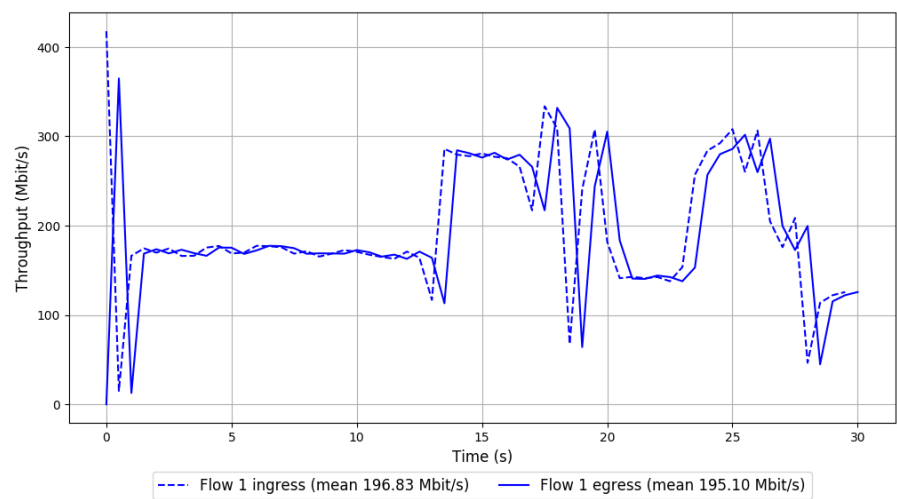


Run 2: Statistics of Verus

Start at: 2018-07-17 09:29:11
End at: 2018-07-17 09:29:41
Local clock offset: -10.002 ms
Remote clock offset: 0.665 ms

Below is generated by plot.py at 2018-07-17 14:58:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.10 Mbit/s
95th percentile per-packet one-way delay: 5.251 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 195.10 Mbit/s
95th percentile per-packet one-way delay: 5.251 ms
Loss rate: 0.88%

Run 2: Report of Verus — Data Link

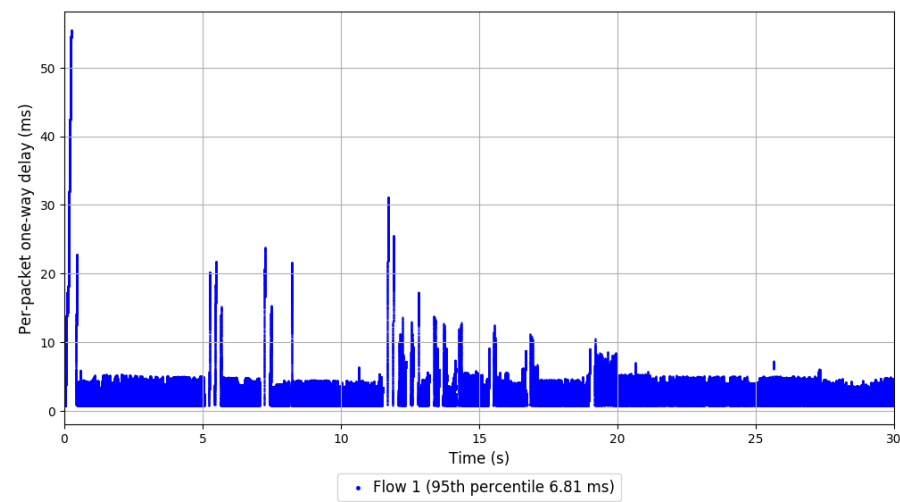
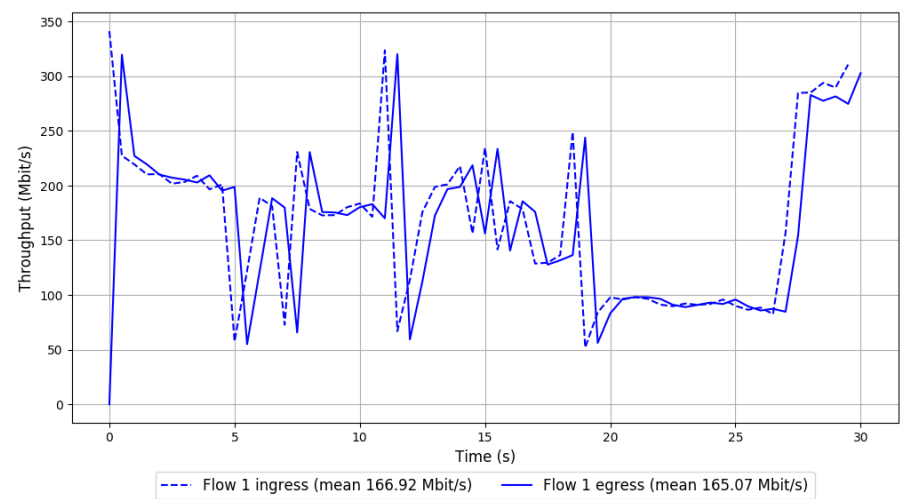


Run 3: Statistics of Verus

Start at: 2018-07-17 09:54:13
End at: 2018-07-17 09:54:43
Local clock offset: -9.441 ms
Remote clock offset: 0.901 ms

Below is generated by plot.py at 2018-07-17 14:58:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.07 Mbit/s
95th percentile per-packet one-way delay: 6.808 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 165.07 Mbit/s
95th percentile per-packet one-way delay: 6.808 ms
Loss rate: 1.10%

Run 3: Report of Verus — Data Link

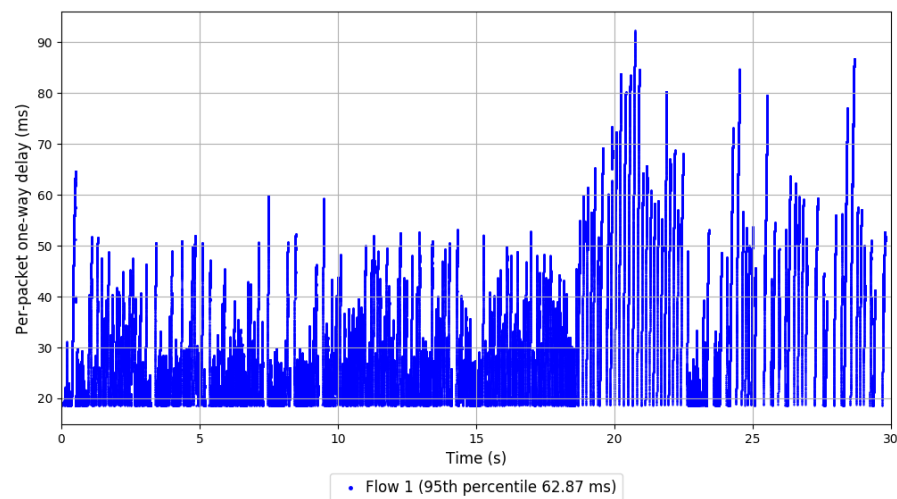
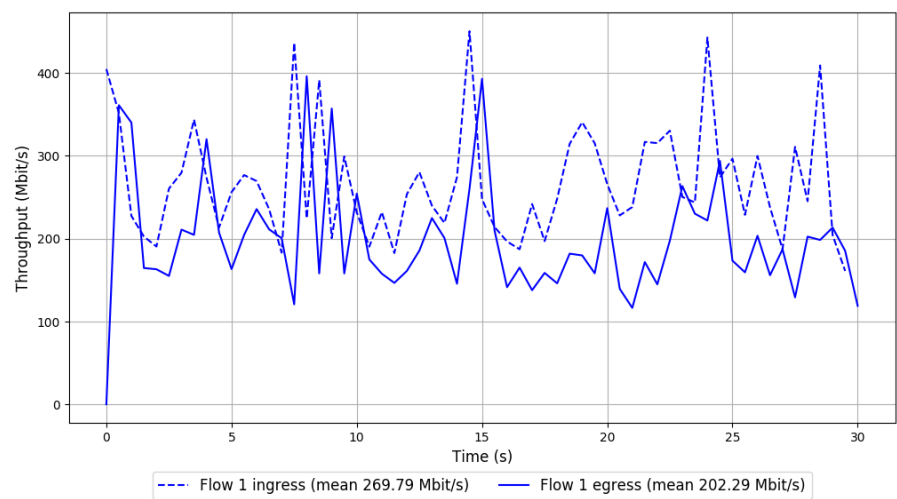


Run 4: Statistics of Verus

Start at: 2018-07-17 10:20:05
End at: 2018-07-17 10:20:35
Local clock offset: -11.016 ms
Remote clock offset: 1.109 ms

Below is generated by plot.py at 2018-07-17 14:58:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.29 Mbit/s
95th percentile per-packet one-way delay: 62.871 ms
Loss rate: 24.94%
-- Flow 1:
Average throughput: 202.29 Mbit/s
95th percentile per-packet one-way delay: 62.871 ms
Loss rate: 24.94%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-17 10:45:44

End at: 2018-07-17 10:46:14

Local clock offset: -8.914 ms

Remote clock offset: 1.196 ms

Below is generated by plot.py at 2018-07-17 14:58:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.57 Mbit/s

95th percentile per-packet one-way delay: 51.345 ms

Loss rate: 16.02%

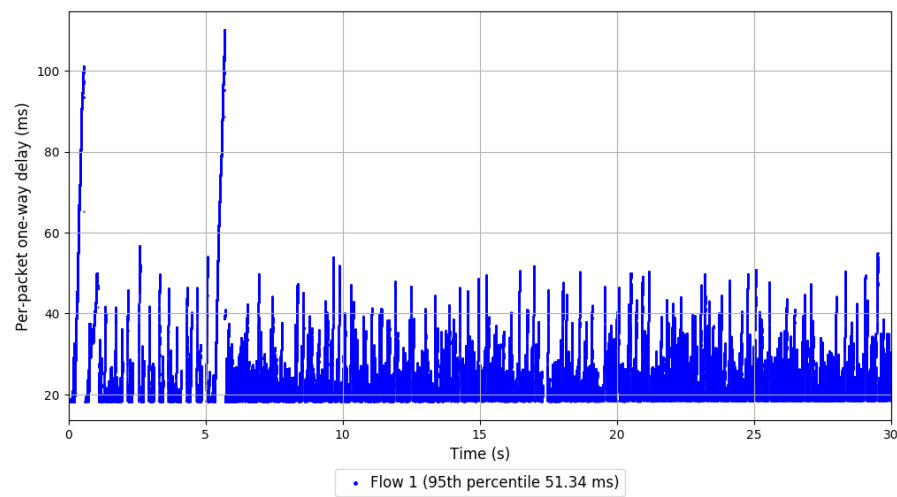
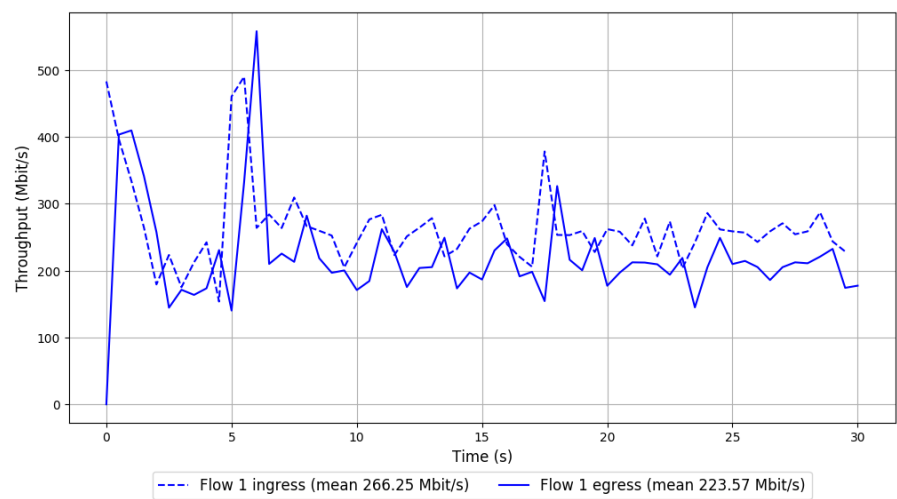
-- Flow 1:

Average throughput: 223.57 Mbit/s

95th percentile per-packet one-way delay: 51.345 ms

Loss rate: 16.02%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-17 11:11:18

End at: 2018-07-17 11:11:48

Local clock offset: -6.798 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-07-17 14:59:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.06 Mbit/s

95th percentile per-packet one-way delay: 37.323 ms

Loss rate: 17.23%

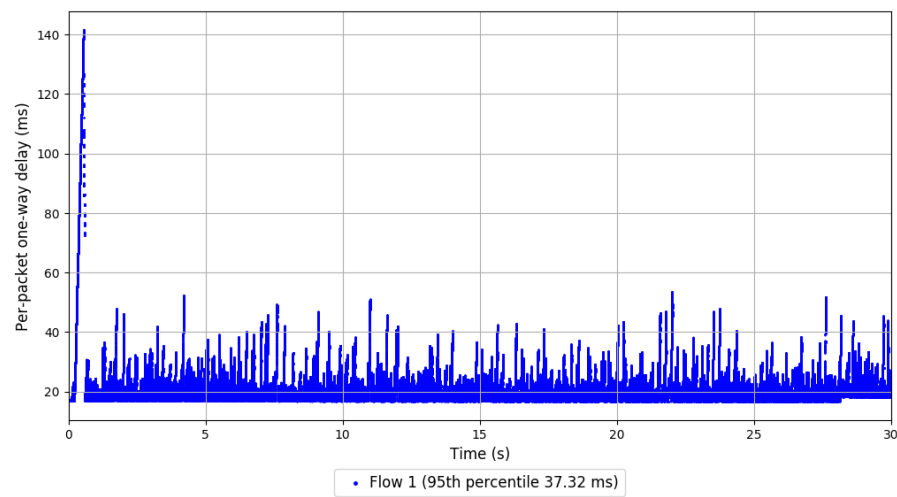
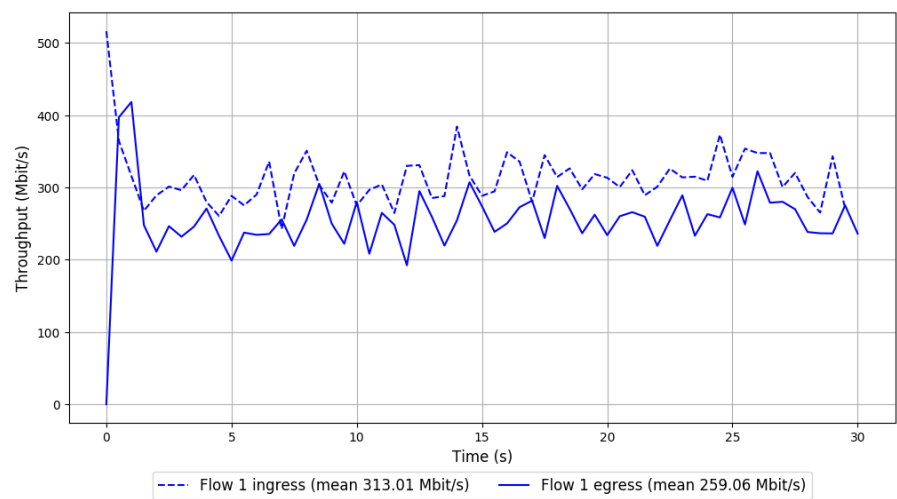
-- Flow 1:

Average throughput: 259.06 Mbit/s

95th percentile per-packet one-way delay: 37.323 ms

Loss rate: 17.23%

Run 6: Report of Verus — Data Link

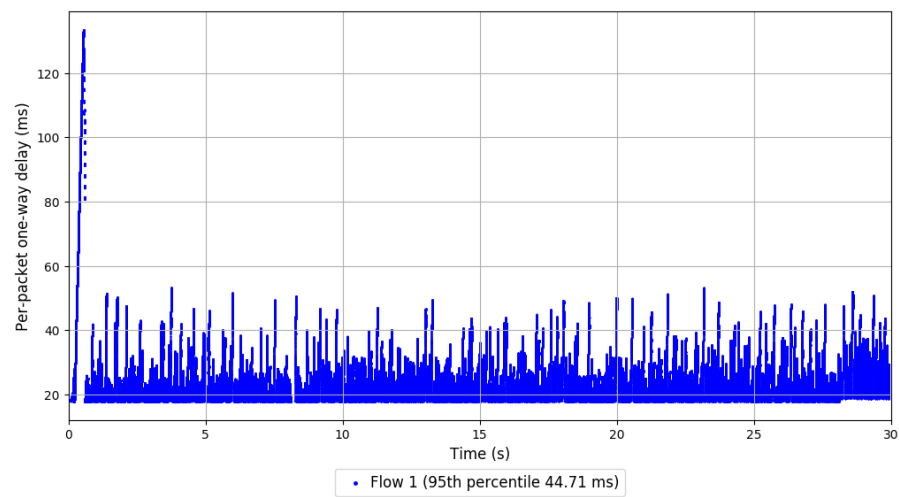
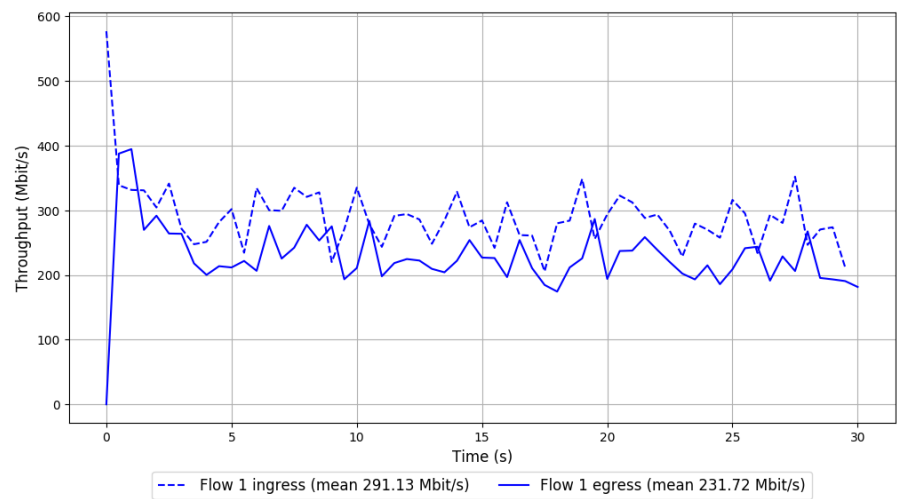


Run 7: Statistics of Verus

Start at: 2018-07-17 11:36:52
End at: 2018-07-17 11:37:22
Local clock offset: -12.335 ms
Remote clock offset: 1.598 ms

Below is generated by plot.py at 2018-07-17 14:59:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.72 Mbit/s
95th percentile per-packet one-way delay: 44.712 ms
Loss rate: 20.37%
-- Flow 1:
Average throughput: 231.72 Mbit/s
95th percentile per-packet one-way delay: 44.712 ms
Loss rate: 20.37%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-17 12:02:21

End at: 2018-07-17 12:02:51

Local clock offset: -6.726 ms

Remote clock offset: 1.591 ms

Below is generated by plot.py at 2018-07-17 15:00:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.34 Mbit/s

95th percentile per-packet one-way delay: 37.619 ms

Loss rate: 20.76%

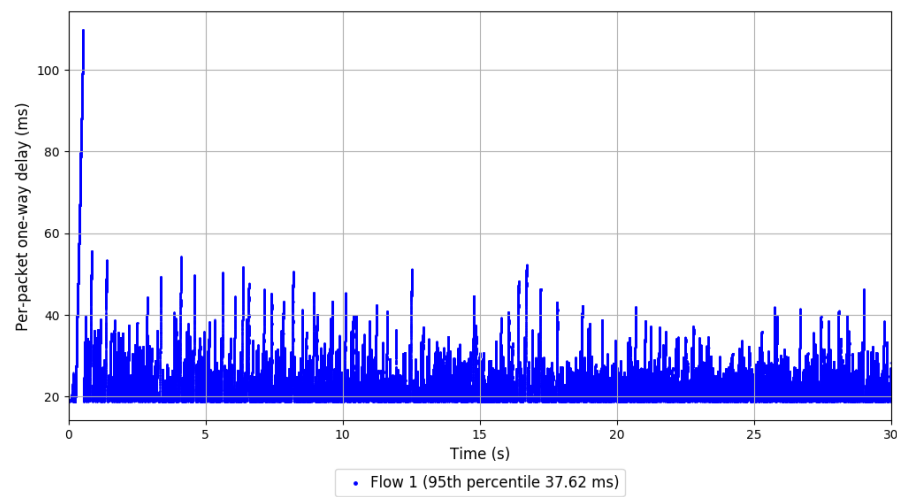
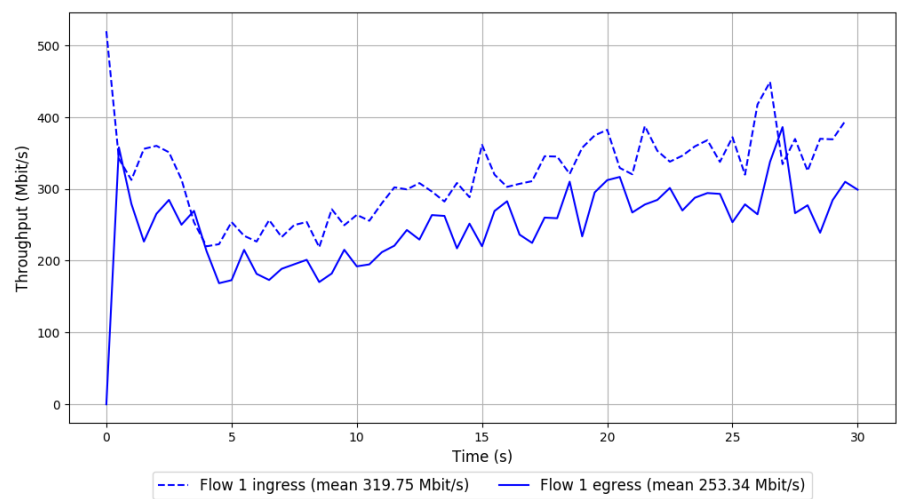
-- Flow 1:

Average throughput: 253.34 Mbit/s

95th percentile per-packet one-way delay: 37.619 ms

Loss rate: 20.76%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-17 12:27:53

End at: 2018-07-17 12:28:24

Local clock offset: 1.738 ms

Remote clock offset: 1.225 ms

Below is generated by plot.py at 2018-07-17 15:00:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.33 Mbit/s

95th percentile per-packet one-way delay: 50.577 ms

Loss rate: 23.56%

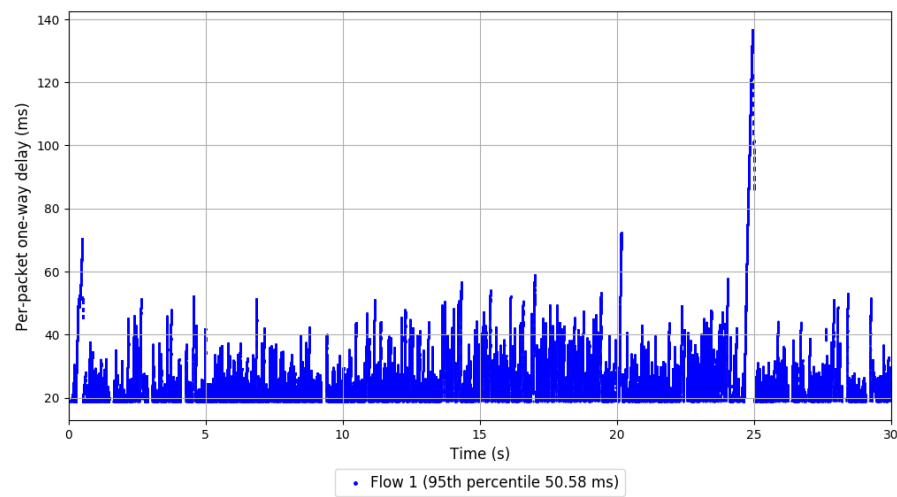
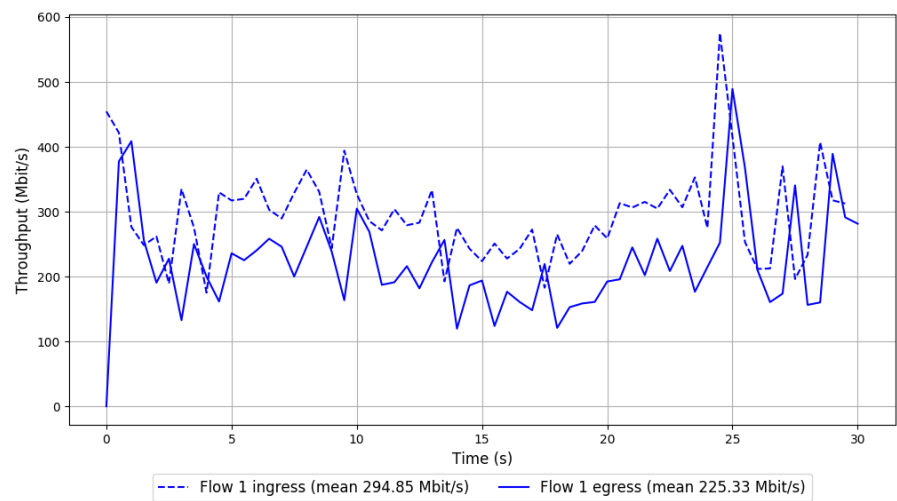
-- Flow 1:

Average throughput: 225.33 Mbit/s

95th percentile per-packet one-way delay: 50.577 ms

Loss rate: 23.56%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-17 12:53:21

End at: 2018-07-17 12:53:51

Local clock offset: 1.646 ms

Remote clock offset: 0.756 ms

Below is generated by plot.py at 2018-07-17 15:00:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.14 Mbit/s

95th percentile per-packet one-way delay: 48.610 ms

Loss rate: 16.14%

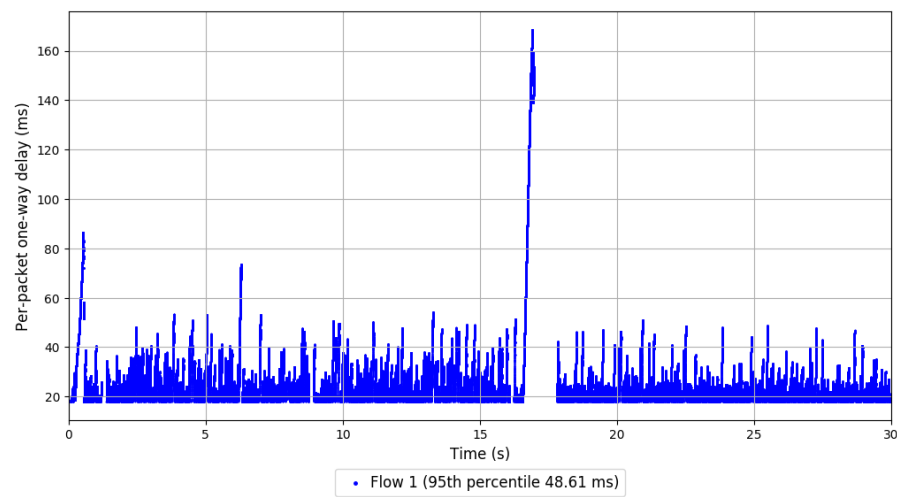
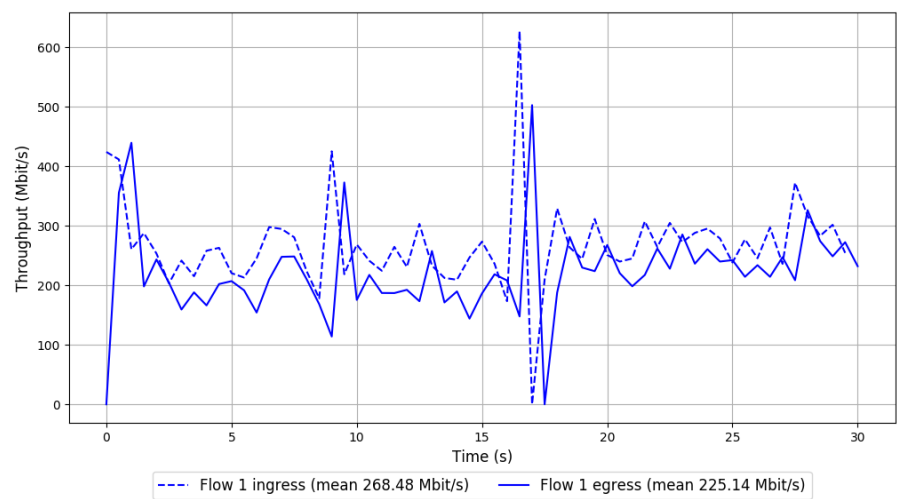
-- Flow 1:

Average throughput: 225.14 Mbit/s

95th percentile per-packet one-way delay: 48.610 ms

Loss rate: 16.14%

Run 10: Report of Verus — Data Link

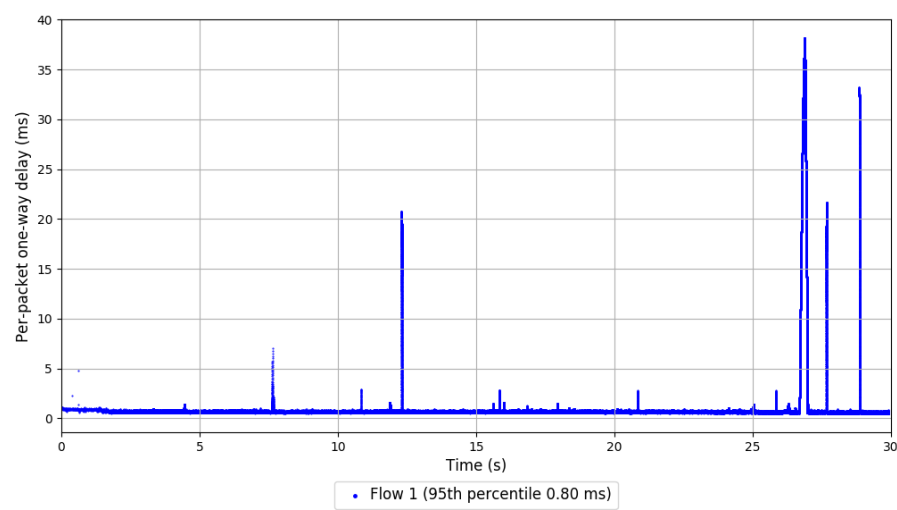
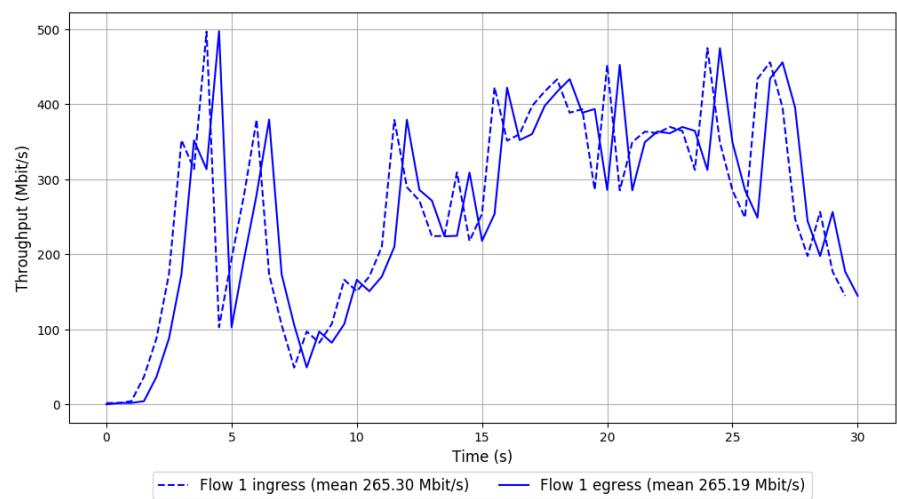


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 09:02:19
End at: 2018-07-17 09:02:49
Local clock offset: -13.716 ms
Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-07-17 15:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.19 Mbit/s
95th percentile per-packet one-way delay: 0.797 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 265.19 Mbit/s
95th percentile per-packet one-way delay: 0.797 ms
Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 09:27:41

End at: 2018-07-17 09:28:11

Local clock offset: -9.985 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2018-07-17 15:02:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.84 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.06%

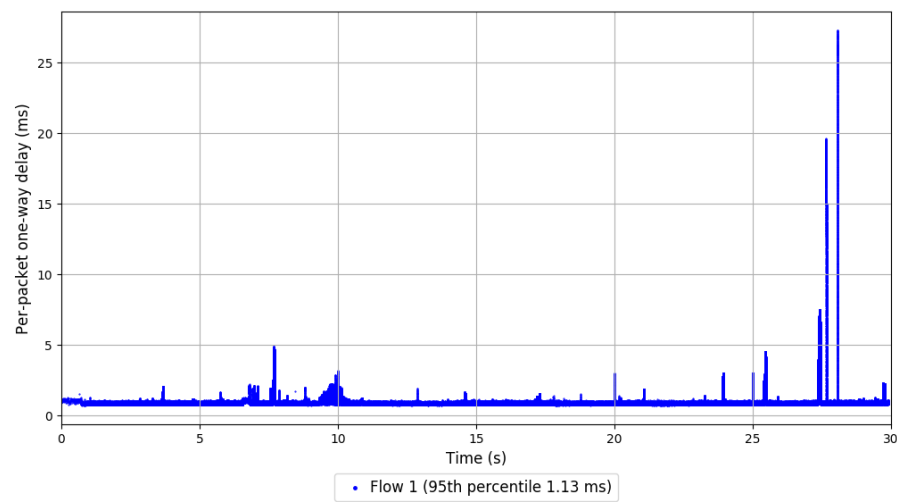
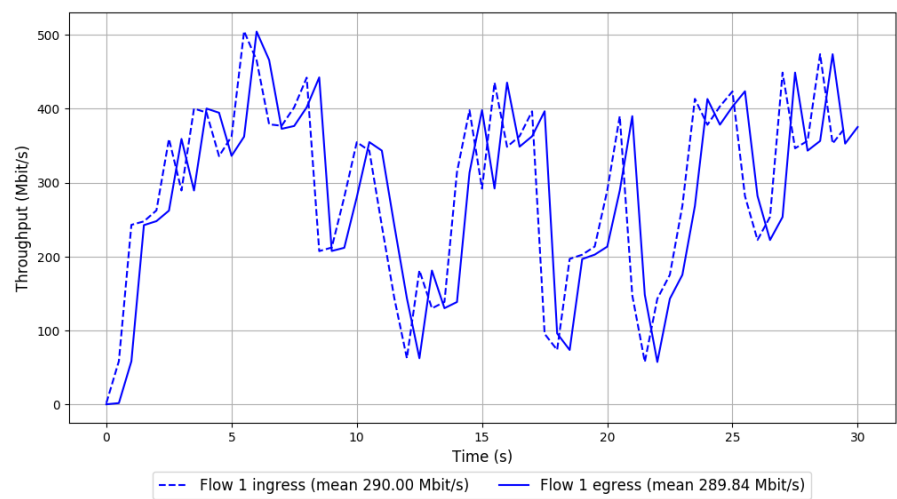
-- Flow 1:

Average throughput: 289.84 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.06%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 09:52:43

End at: 2018-07-17 09:53:13

Local clock offset: -9.451 ms

Remote clock offset: 0.83 ms

Below is generated by plot.py at 2018-07-17 15:02:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.60 Mbit/s

95th percentile per-packet one-way delay: 5.473 ms

Loss rate: 0.00%

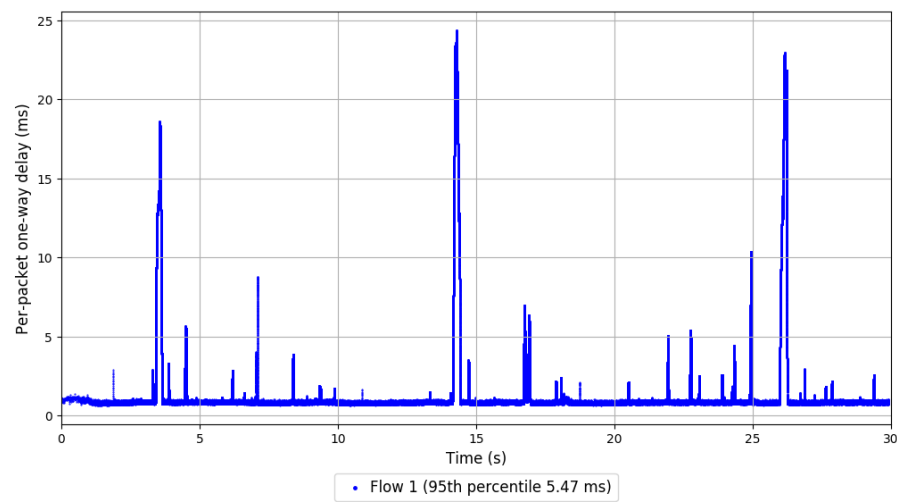
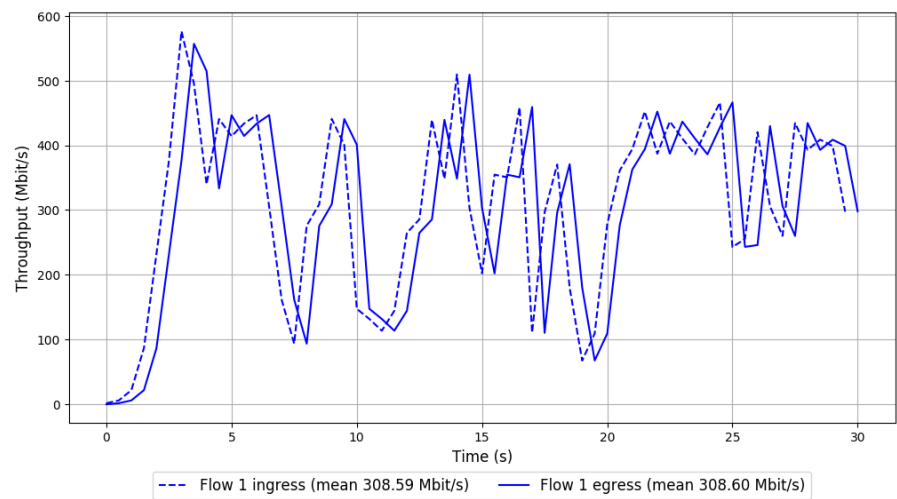
-- Flow 1:

Average throughput: 308.60 Mbit/s

95th percentile per-packet one-way delay: 5.473 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

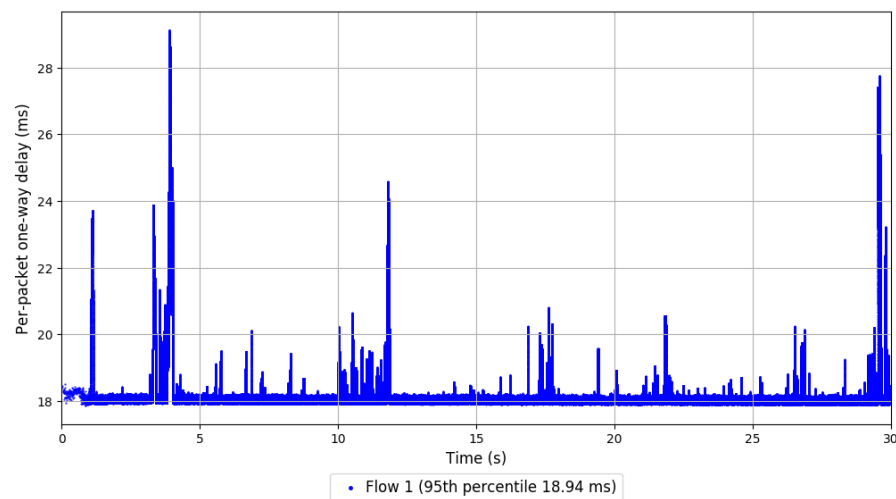
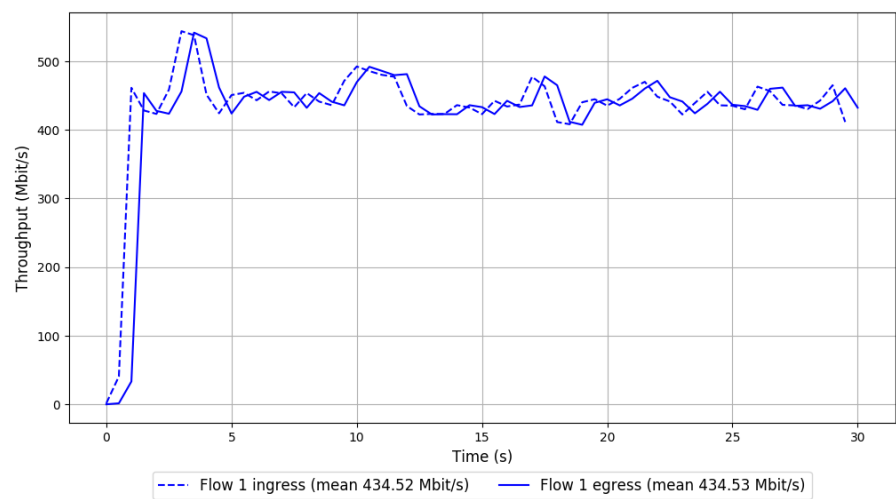


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 10:18:28
End at: 2018-07-17 10:18:58
Local clock offset: -10.896 ms
Remote clock offset: 1.155 ms

Below is generated by plot.py at 2018-07-17 15:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.53 Mbit/s
95th percentile per-packet one-way delay: 18.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 434.53 Mbit/s
95th percentile per-packet one-way delay: 18.940 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 10:44:06

End at: 2018-07-17 10:44:36

Local clock offset: -9.732 ms

Remote clock offset: 1.129 ms

Below is generated by plot.py at 2018-07-17 15:05:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.92 Mbit/s

95th percentile per-packet one-way delay: 28.558 ms

Loss rate: 0.03%

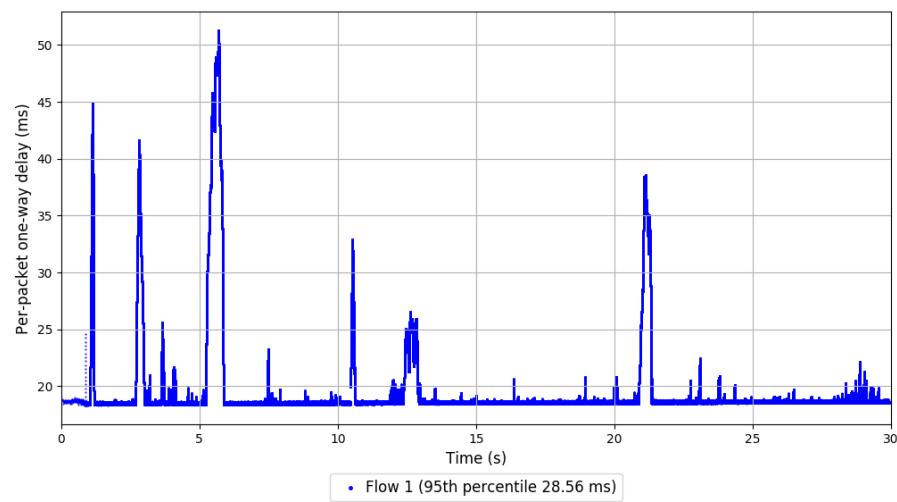
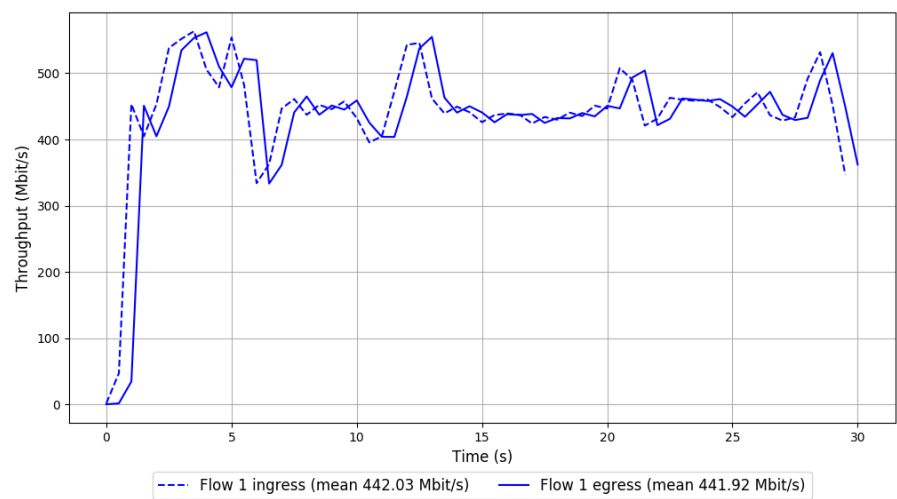
-- Flow 1:

Average throughput: 441.92 Mbit/s

95th percentile per-packet one-way delay: 28.558 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 11:09:41

End at: 2018-07-17 11:10:11

Local clock offset: -5.884 ms

Remote clock offset: 1.337 ms

Below is generated by plot.py at 2018-07-17 15:05:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.55 Mbit/s

95th percentile per-packet one-way delay: 109.958 ms

Loss rate: 0.07%

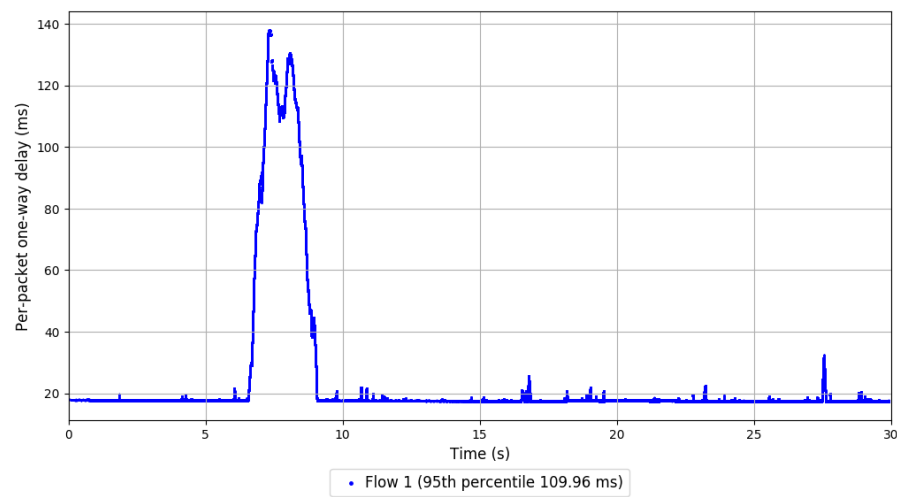
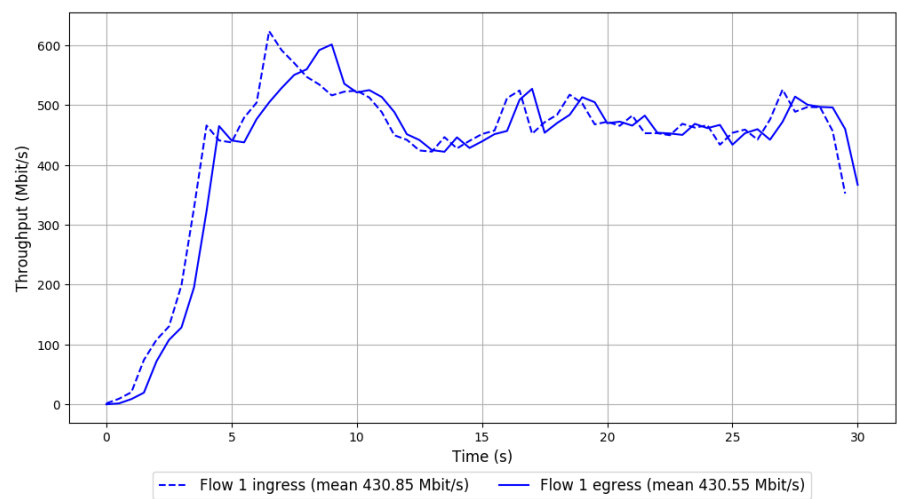
-- Flow 1:

Average throughput: 430.55 Mbit/s

95th percentile per-packet one-way delay: 109.958 ms

Loss rate: 0.07%

Run 6: Report of PCC-Vivace — Data Link

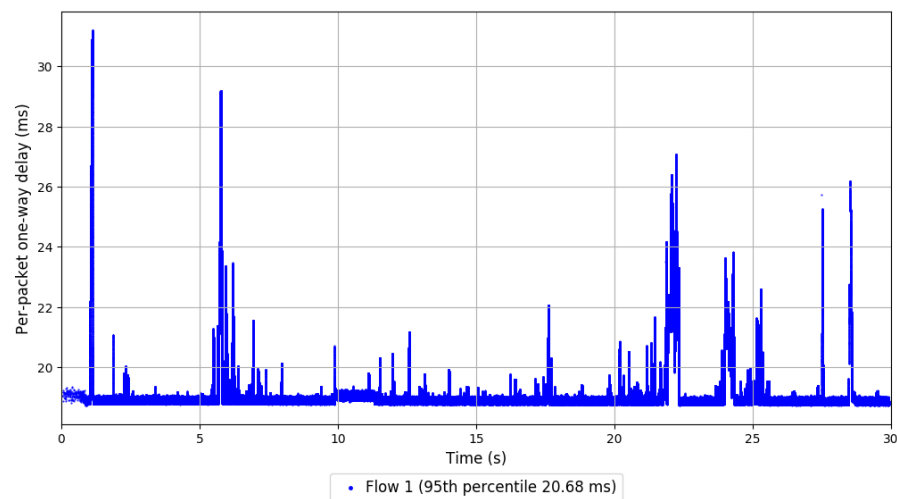
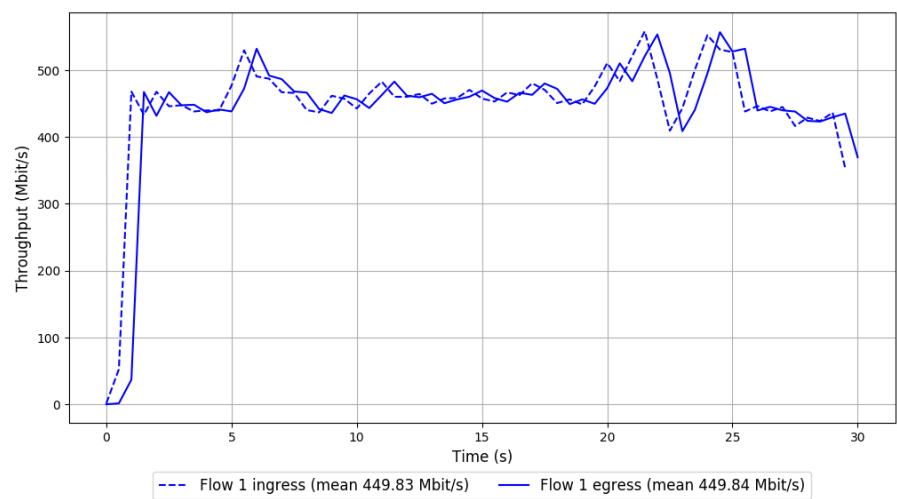


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 11:35:15
End at: 2018-07-17 11:35:45
Local clock offset: -12.218 ms
Remote clock offset: 1.573 ms

Below is generated by plot.py at 2018-07-17 15:05:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 449.84 Mbit/s
95th percentile per-packet one-way delay: 20.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 449.84 Mbit/s
95th percentile per-packet one-way delay: 20.677 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 12:00:45

End at: 2018-07-17 12:01:15

Local clock offset: -6.826 ms

Remote clock offset: 1.582 ms

Below is generated by plot.py at 2018-07-17 15:05:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.38 Mbit/s

95th percentile per-packet one-way delay: 19.710 ms

Loss rate: 0.00%

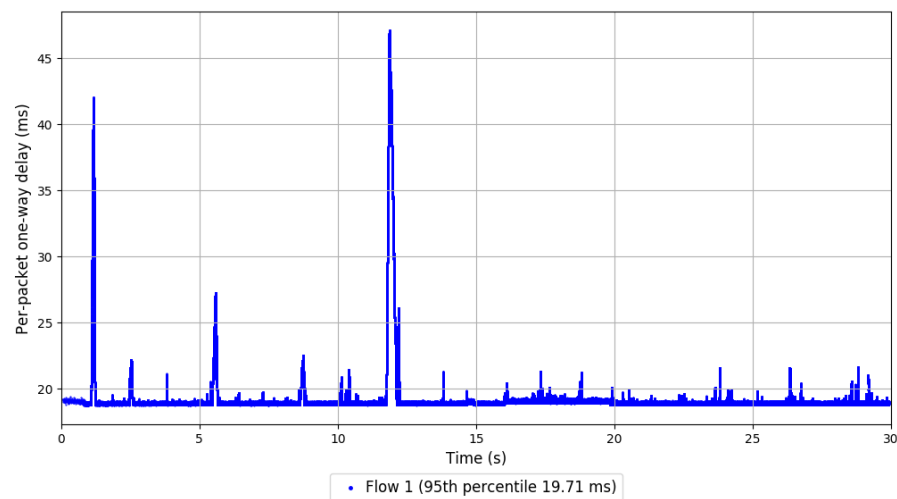
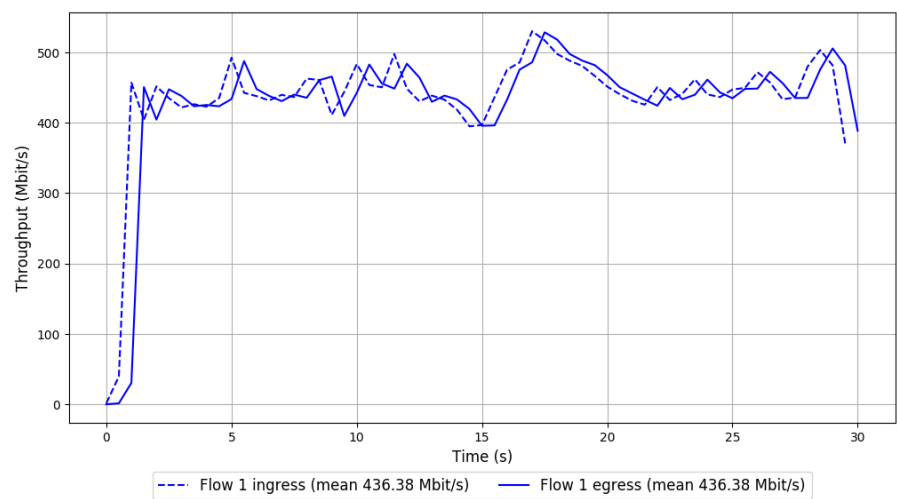
-- Flow 1:

Average throughput: 436.38 Mbit/s

95th percentile per-packet one-way delay: 19.710 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 12:26:15

End at: 2018-07-17 12:26:45

Local clock offset: 1.358 ms

Remote clock offset: 1.223 ms

Below is generated by plot.py at 2018-07-17 15:06:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 466.13 Mbit/s

95th percentile per-packet one-way delay: 19.892 ms

Loss rate: 0.00%

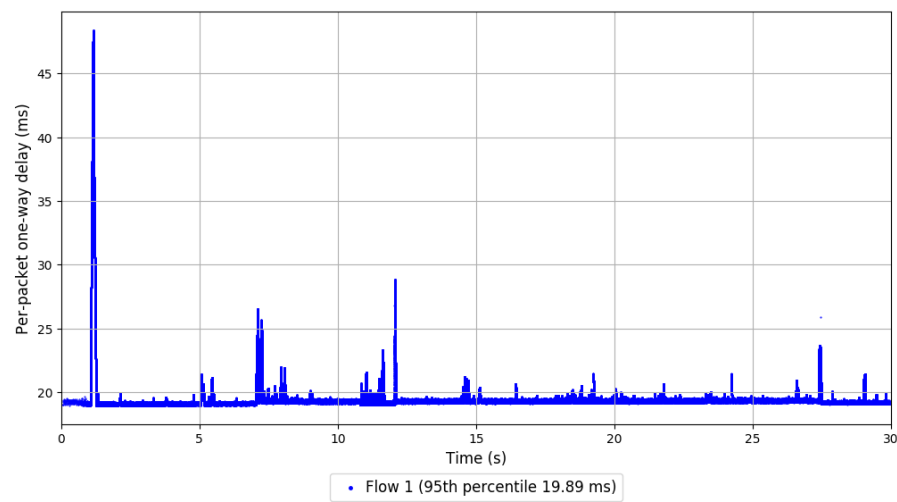
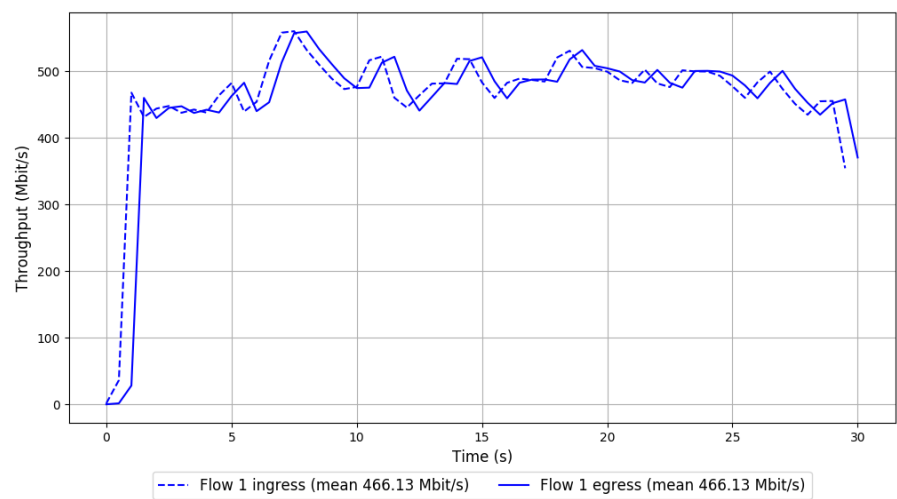
-- Flow 1:

Average throughput: 466.13 Mbit/s

95th percentile per-packet one-way delay: 19.892 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 12:51:43

End at: 2018-07-17 12:52:14

Local clock offset: 1.666 ms

Remote clock offset: 0.82 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.05 Mbit/s

95th percentile per-packet one-way delay: 19.989 ms

Loss rate: 0.00%

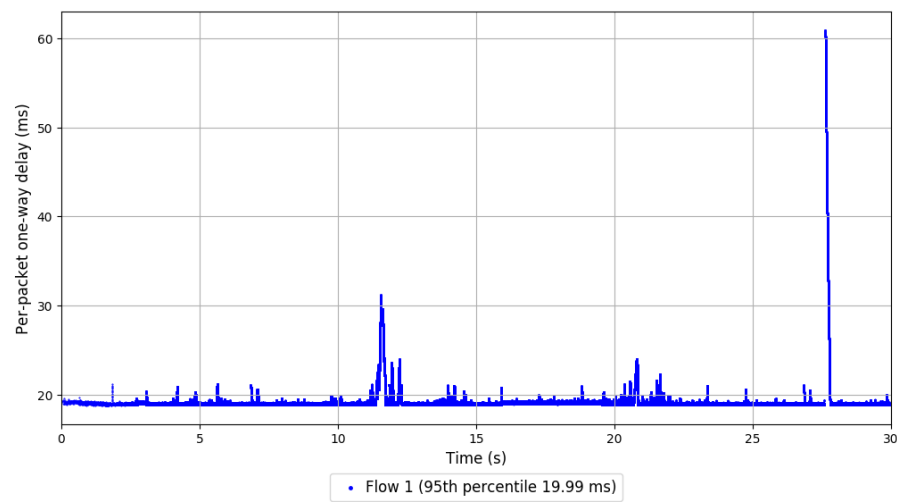
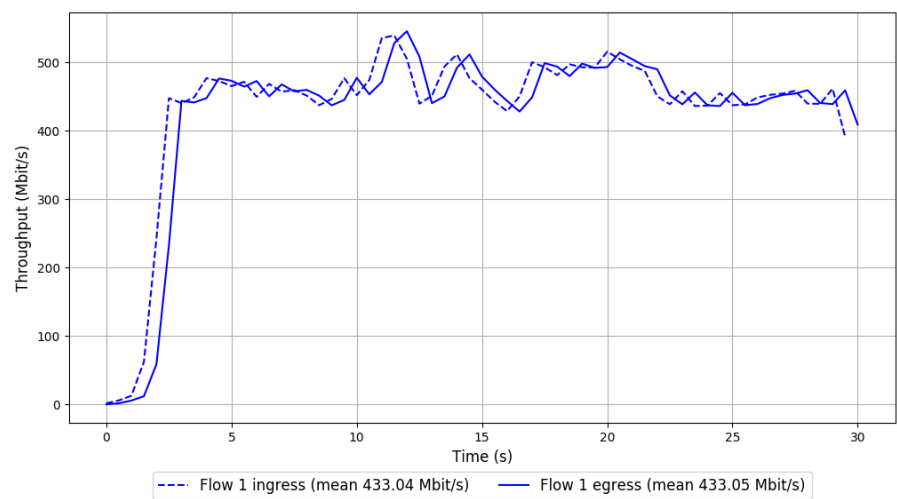
-- Flow 1:

Average throughput: 433.05 Mbit/s

95th percentile per-packet one-way delay: 19.989 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

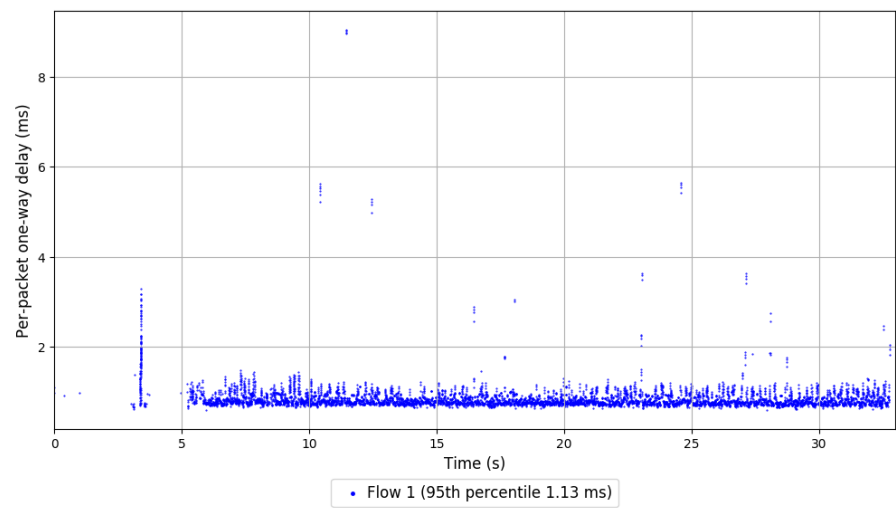
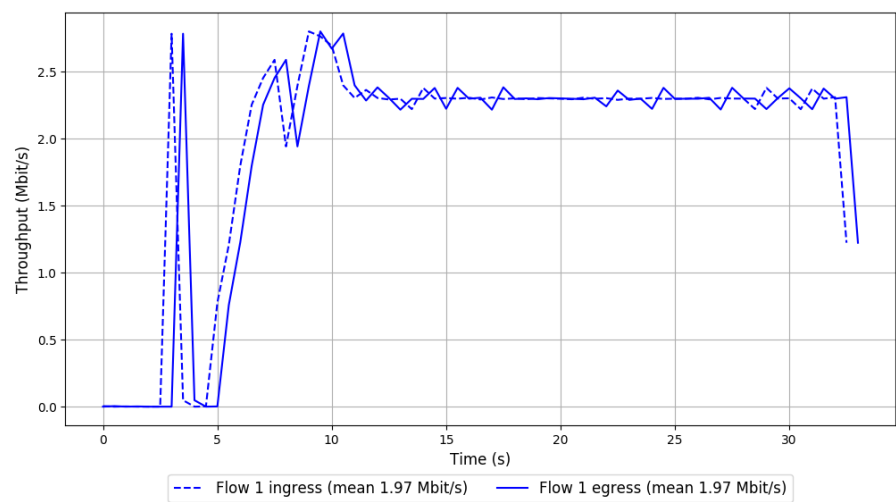


Run 1: Statistics of WebRTC media

Start at: 2018-07-17 08:52:10
End at: 2018-07-17 08:52:40
Local clock offset: -12.401 ms
Remote clock offset: 0.456 ms

Below is generated by plot.py at 2018-07-17 15:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

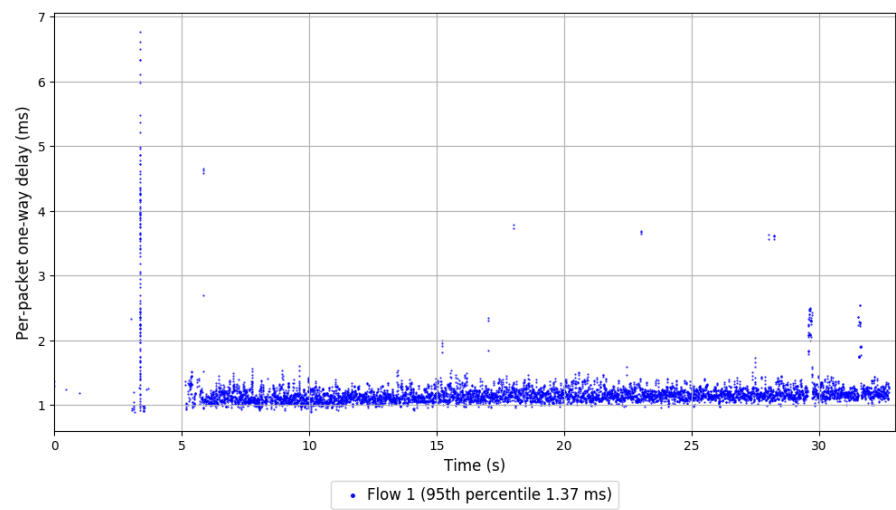
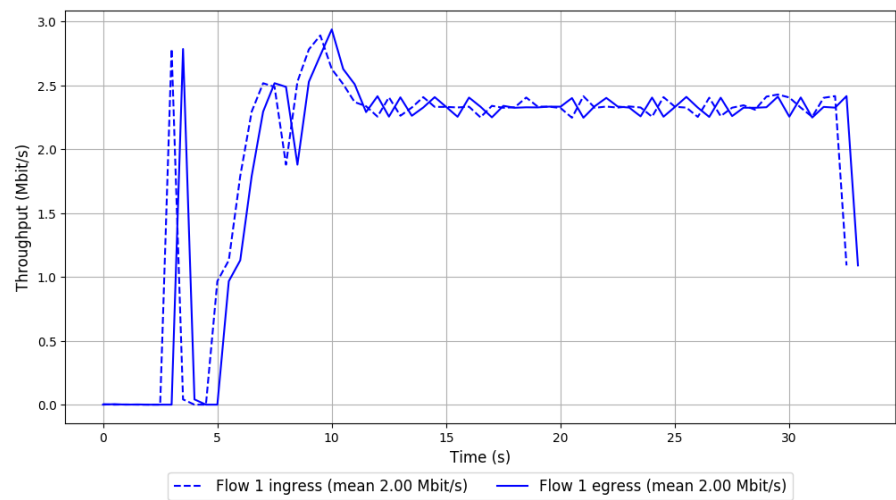


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 09:17:19
End at: 2018-07-17 09:17:49
Local clock offset: -11.119 ms
Remote clock offset: 0.555 ms

Below is generated by plot.py at 2018-07-17 15:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.19%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-17 09:42:37

End at: 2018-07-17 09:43:07

Local clock offset: -9.99 ms

Remote clock offset: 0.787 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 1.328 ms

Loss rate: 0.00%

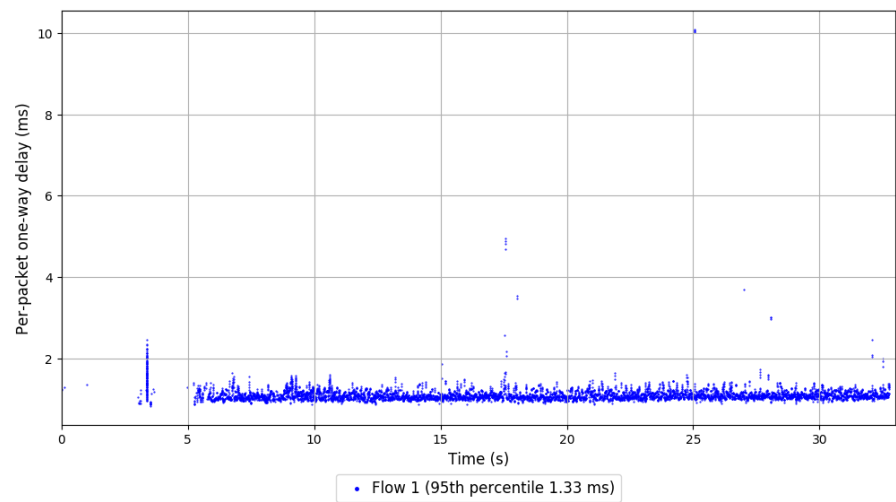
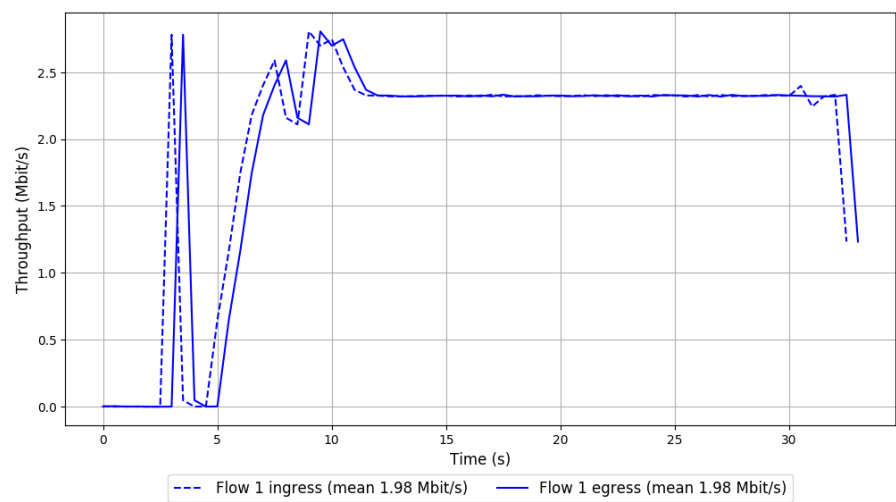
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 1.328 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-17 10:07:58

End at: 2018-07-17 10:08:28

Local clock offset: -9.955 ms

Remote clock offset: 1.085 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 19.154 ms

Loss rate: 0.03%

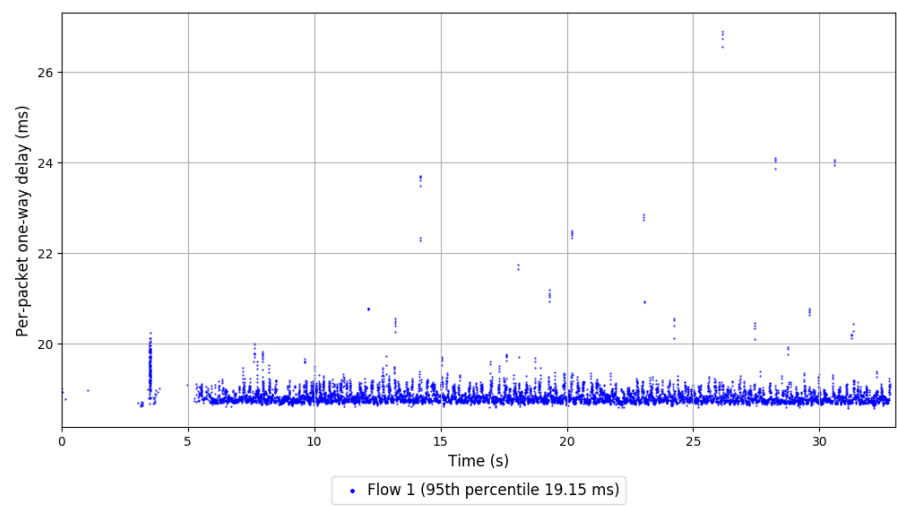
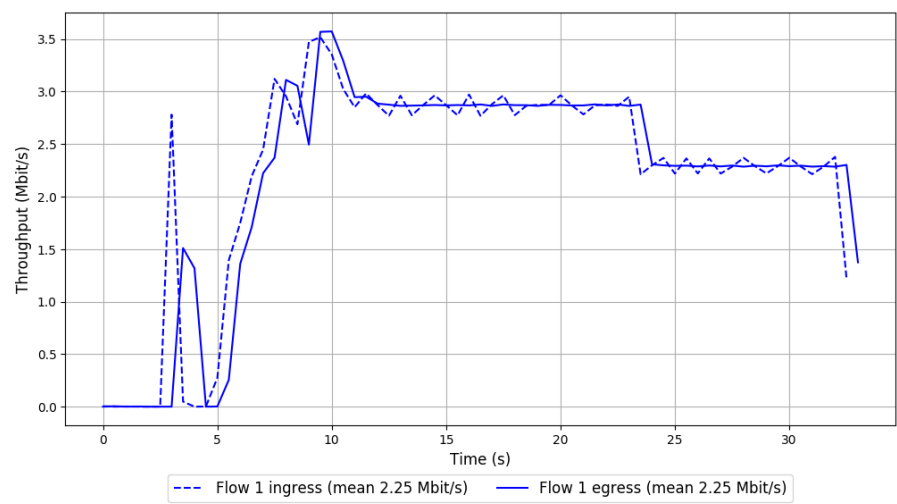
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 19.154 ms

Loss rate: 0.03%

Run 4: Report of WebRTC media — Data Link

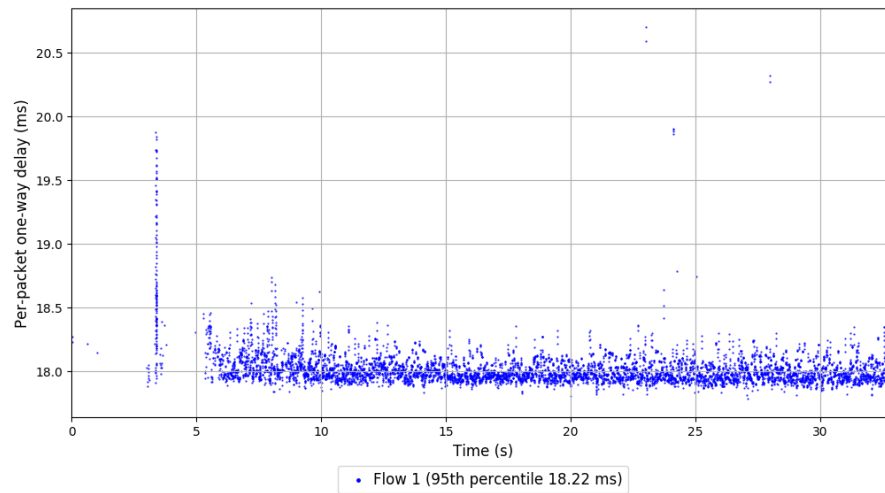
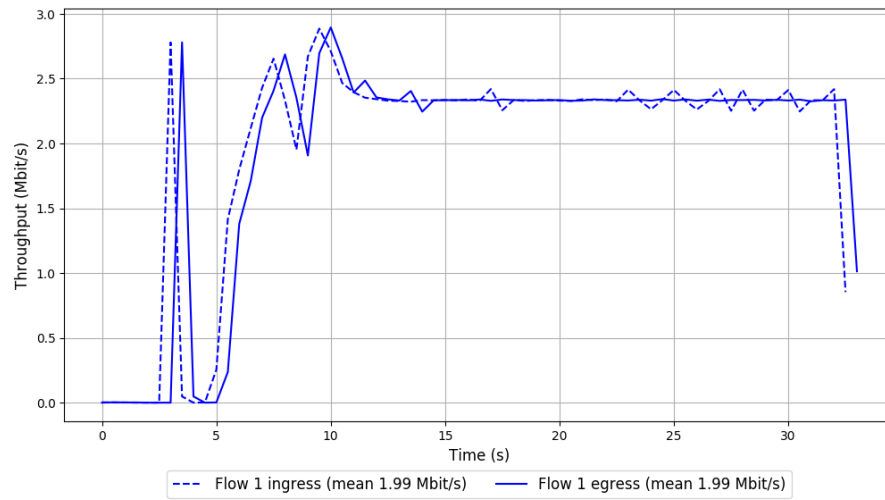


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 10:33:46
End at: 2018-07-17 10:34:16
Local clock offset: -11.999 ms
Remote clock offset: 1.103 ms

Below is generated by plot.py at 2018-07-17 15:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 18.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 18.217 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-17 10:59:14

End at: 2018-07-17 10:59:44

Local clock offset: -6.23 ms

Remote clock offset: 1.212 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 19.060 ms

Loss rate: 0.00%

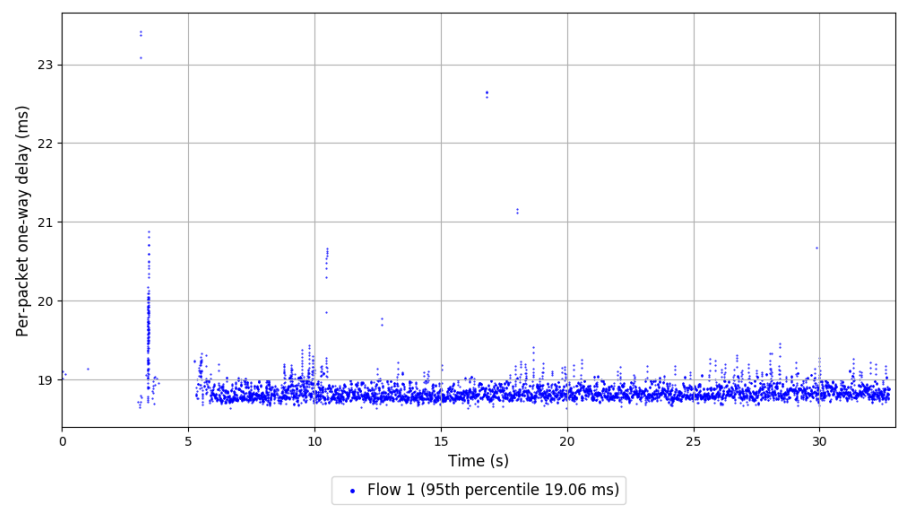
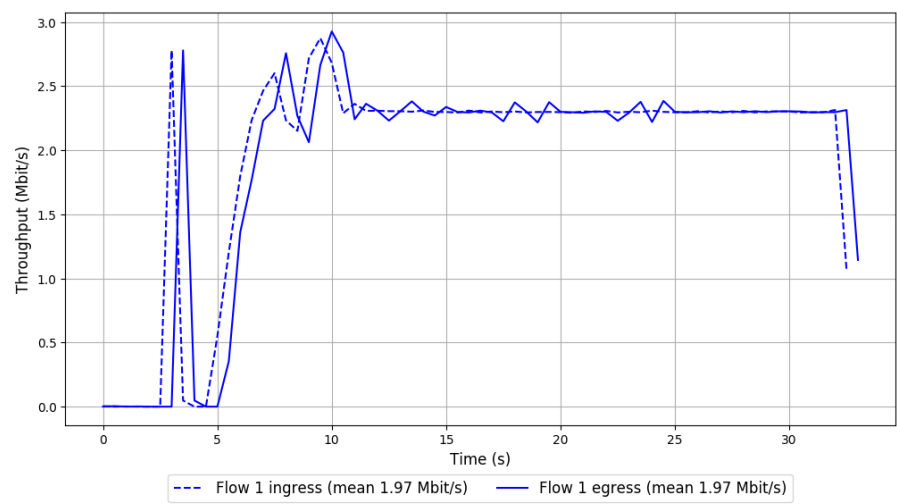
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 19.060 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

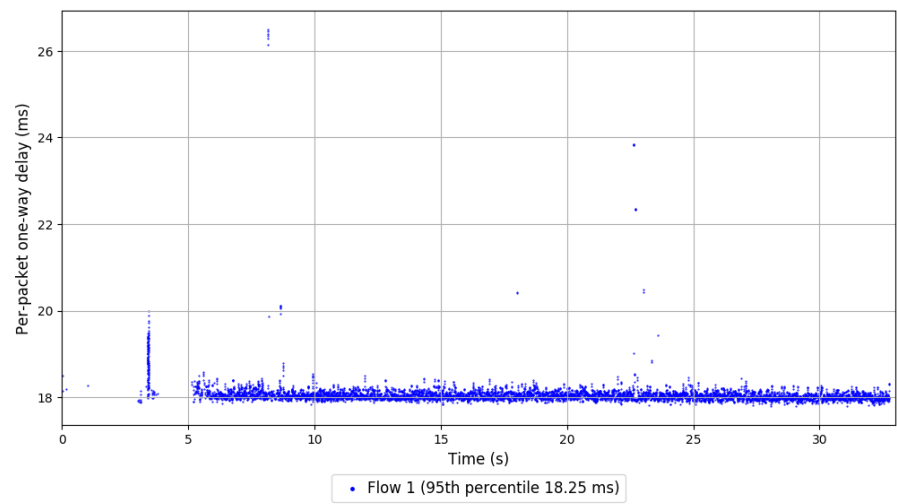
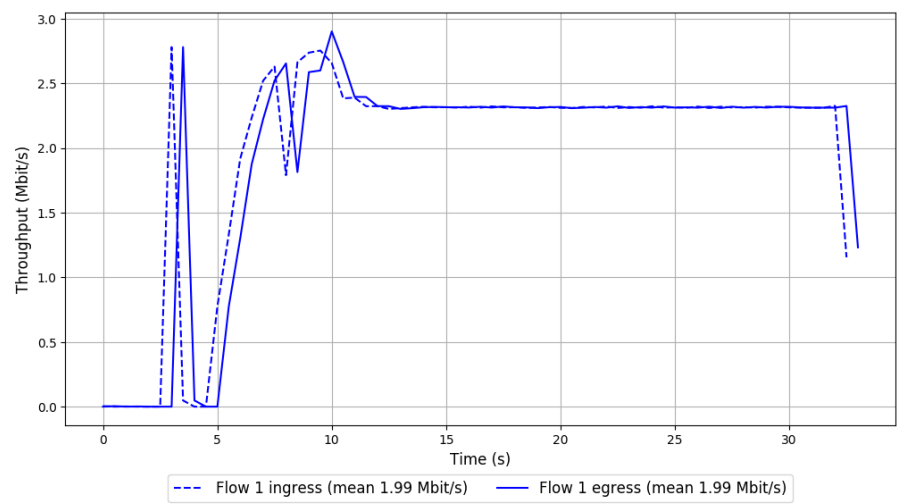


Run 7: Statistics of WebRTC media

Start at: 2018-07-17 11:24:54
End at: 2018-07-17 11:25:24
Local clock offset: -11.007 ms
Remote clock offset: 1.583 ms

Below is generated by plot.py at 2018-07-17 15:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 18.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 18.248 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-17 11:50:21

End at: 2018-07-17 11:50:51

Local clock offset: -8.131 ms

Remote clock offset: 1.587 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 18.607 ms

Loss rate: 0.10%

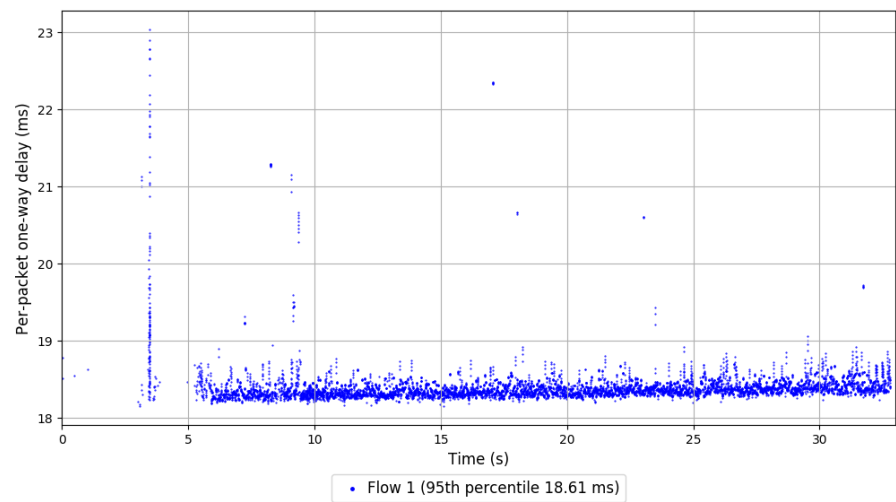
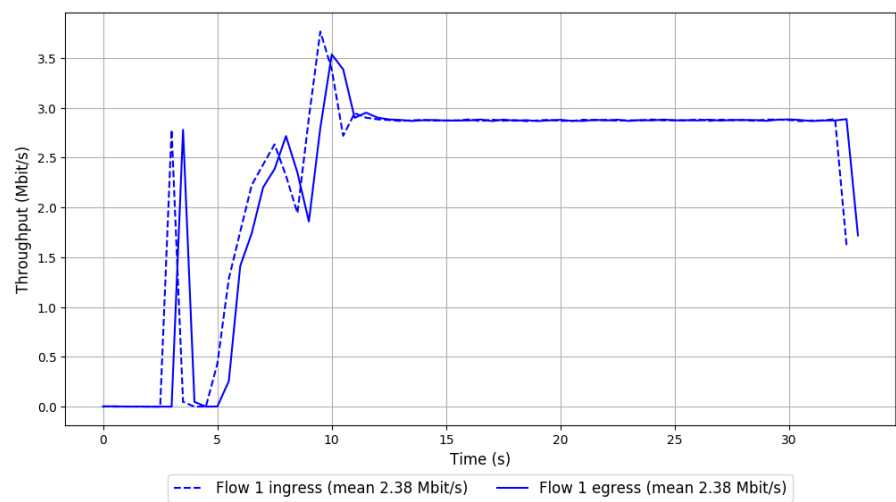
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 18.607 ms

Loss rate: 0.10%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-17 12:15:56

End at: 2018-07-17 12:16:26

Local clock offset: -2.128 ms

Remote clock offset: 1.451 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 19.816 ms

Loss rate: 0.00%

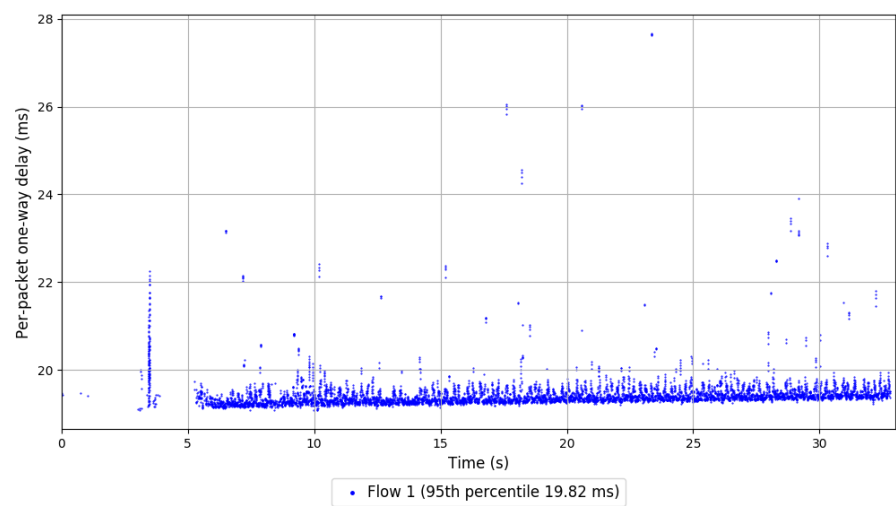
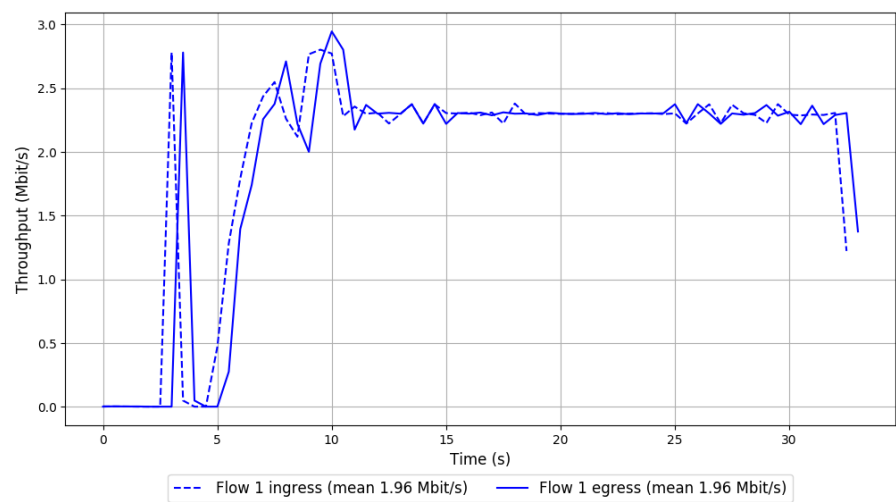
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 19.816 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 12:41:29

End at: 2018-07-17 12:41:59

Local clock offset: 3.03 ms

Remote clock offset: 1.007 ms

Below is generated by plot.py at 2018-07-17 15:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 17.390 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 17.390 ms

Loss rate: 0.99%

Run 10: Report of WebRTC media — Data Link

