

Pantheon Report

Generated at 2018-07-24 10:18:41 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

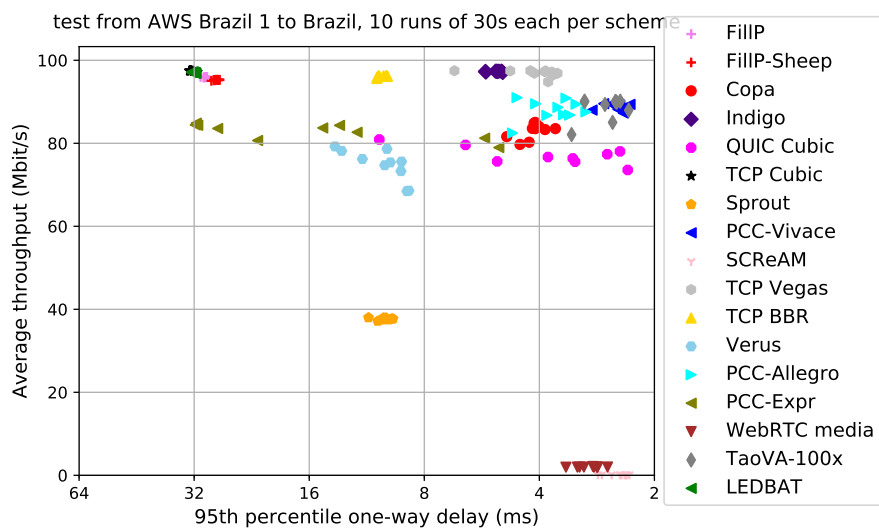
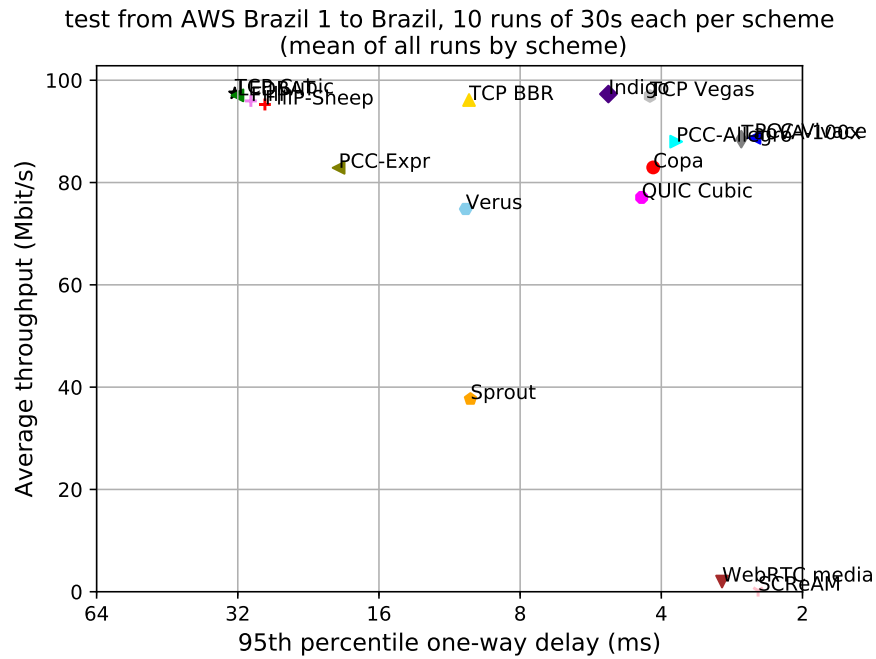
Each test lasted for 30 seconds running 1 flow.

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

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e562f4
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
```



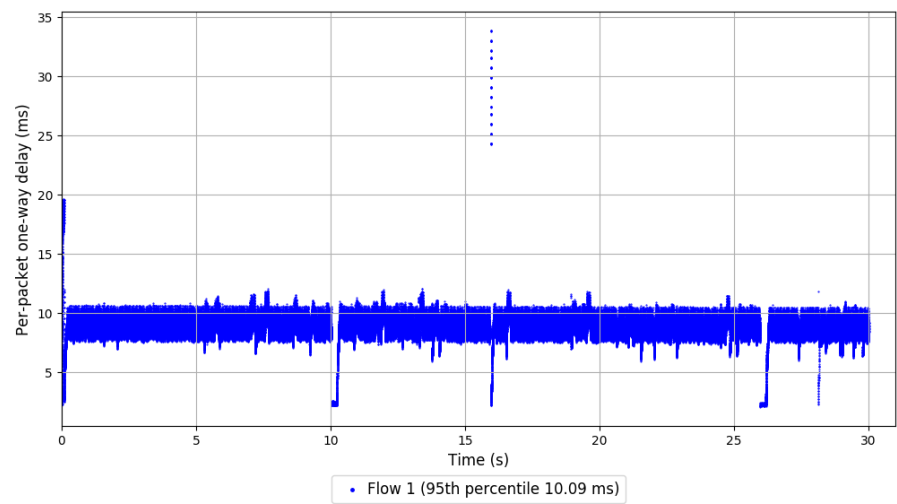
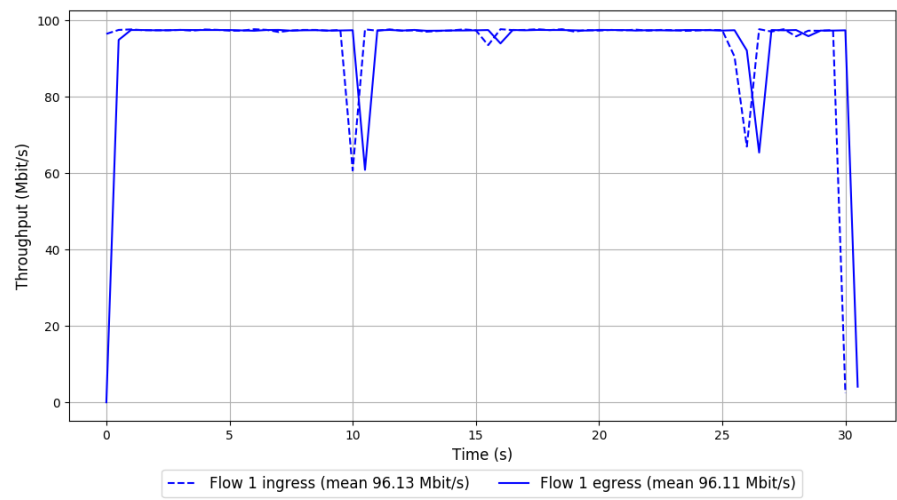
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.14	10.28	0.00
Copa	10	82.95	4.16	0.00
TCP Cubic	10	97.43	32.48	0.01
FillP	10	95.96	30.01	4.06
FillP-Sheep	10	95.26	28.01	1.25
Indigo	10	97.30	5.19	0.00
LEDBAT	10	97.04	32.06	0.01
PCC-Allegro	10	87.99	3.72	0.00
PCC-Expr	10	82.88	19.51	0.29
QUIC Cubic	9	77.08	4.41	0.25
SCReAM	10	0.22	2.49	0.00
Sprout	10	37.68	10.21	0.00
TaoVA-100x	10	88.48	2.70	0.00
TCP Vegas	10	96.92	4.23	0.00
Verus	10	74.83	10.45	0.90
PCC-Vivace	10	88.75	2.53	0.00
WebRTC media	10	1.99	2.97	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 06:56:06
End at: 2018-07-24 06:56:36
Local clock offset: -16.464 ms
Remote clock offset: -2.042 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 10.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 10.087 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

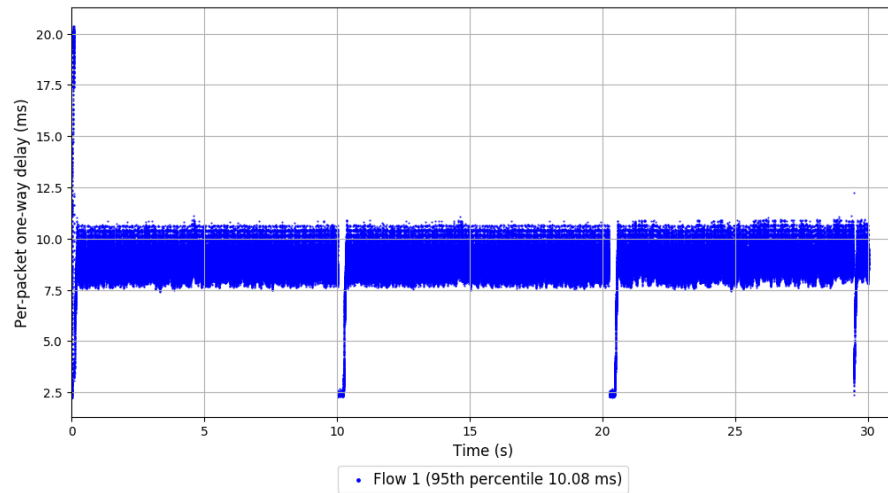
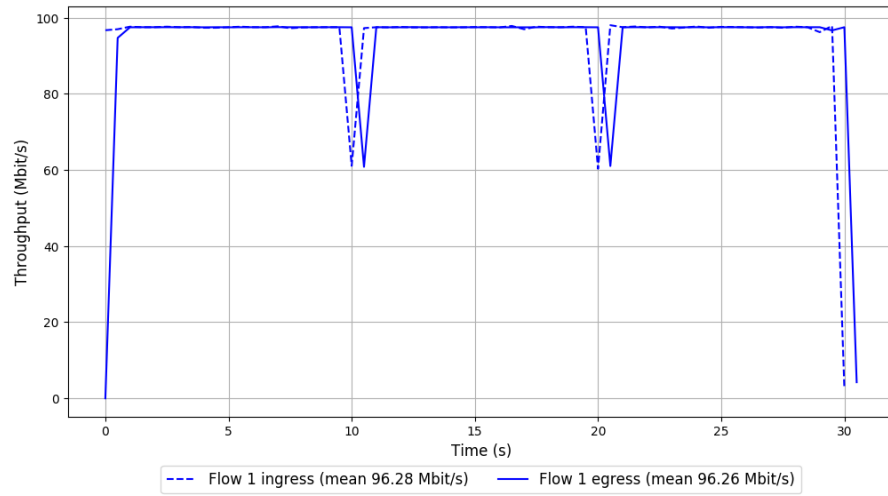


Run 2: Statistics of TCP BBR

Start at: 2018-07-24 07:15:08
End at: 2018-07-24 07:15:38
Local clock offset: -10.036 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.078 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

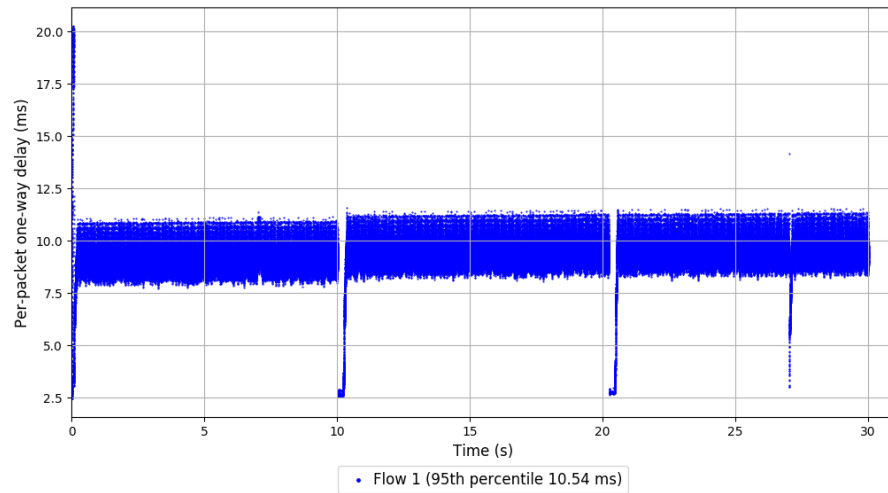
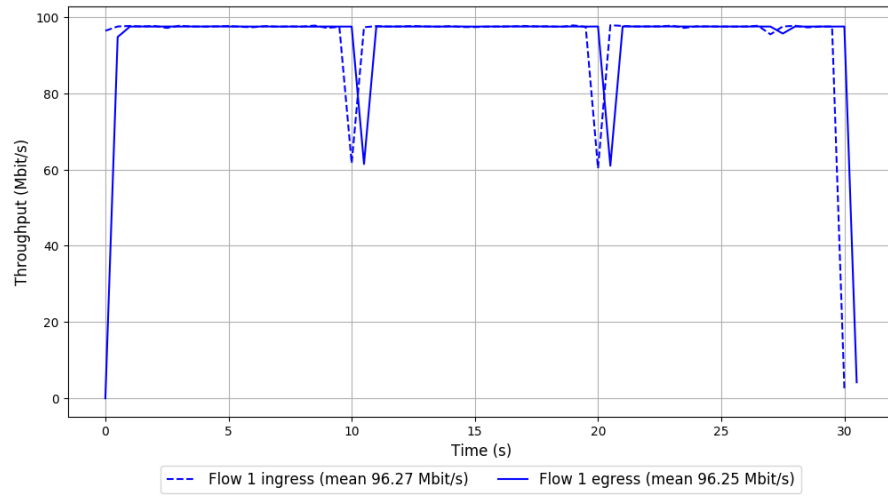


Run 3: Statistics of TCP BBR

Start at: 2018-07-24 07:34:10
End at: 2018-07-24 07:34:40
Local clock offset: -11.521 ms
Remote clock offset: -5.208 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.544 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

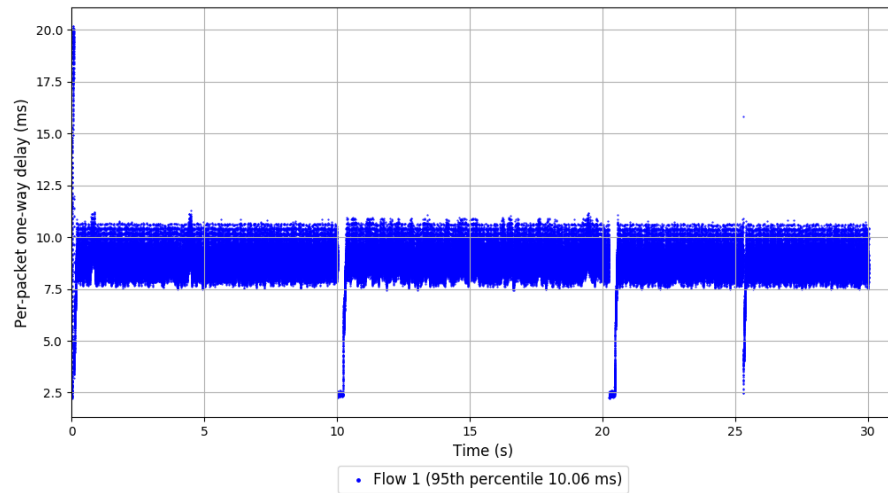
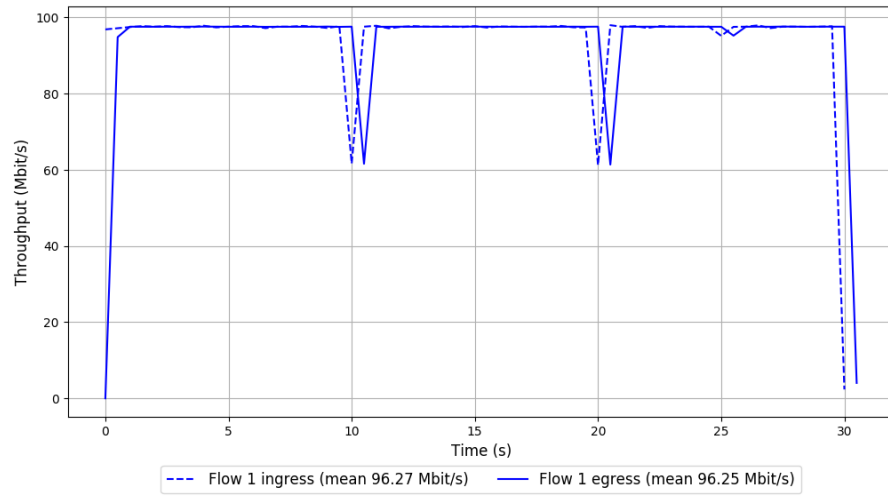


Run 4: Statistics of TCP BBR

Start at: 2018-07-24 07:53:12
End at: 2018-07-24 07:53:42
Local clock offset: -12.095 ms
Remote clock offset: -7.752 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.065 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

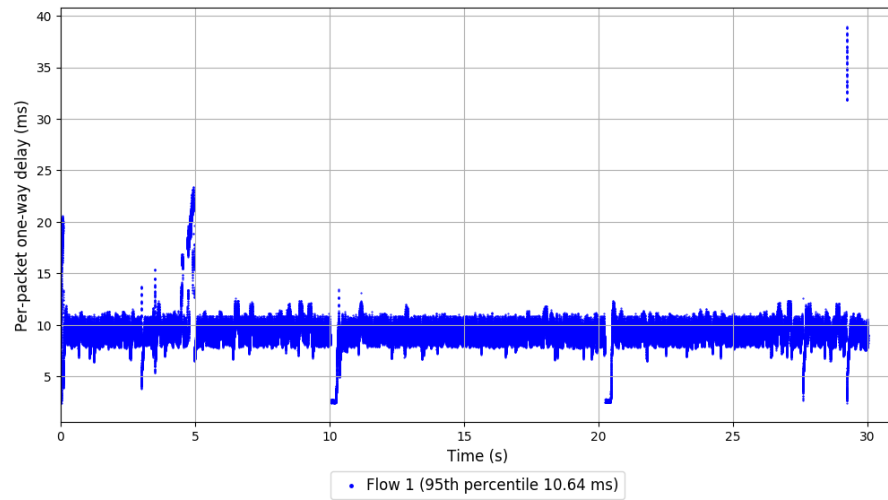
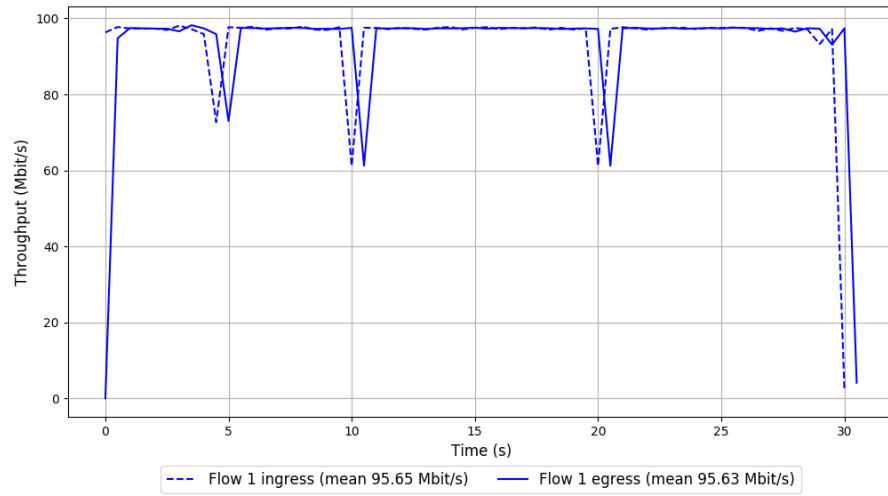


Run 5: Statistics of TCP BBR

Start at: 2018-07-24 08:12:13
End at: 2018-07-24 08:12:43
Local clock offset: -6.528 ms
Remote clock offset: -3.303 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 10.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 10.645 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

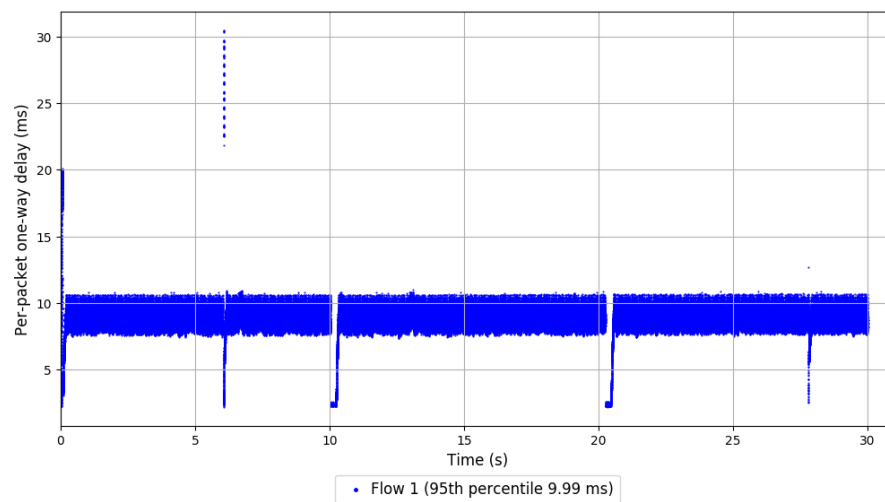
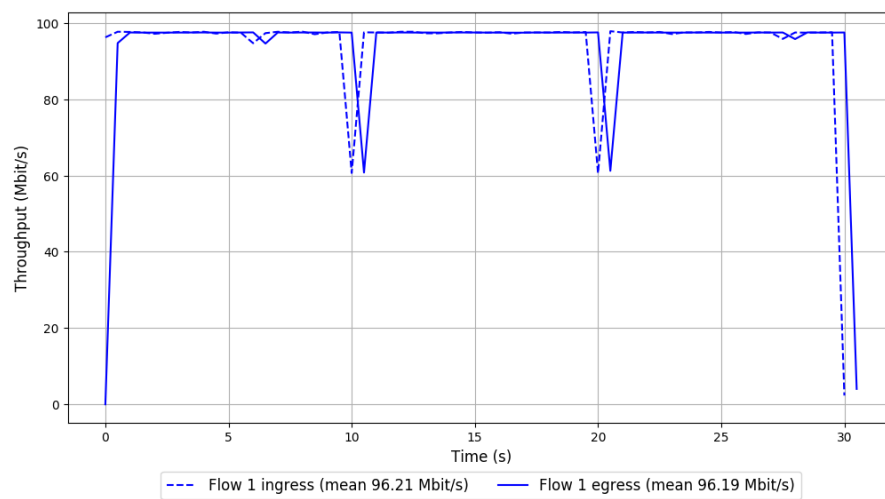


Run 6: Statistics of TCP BBR

Start at: 2018-07-24 08:31:15
End at: 2018-07-24 08:31:45
Local clock offset: -4.666 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 9.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 9.986 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

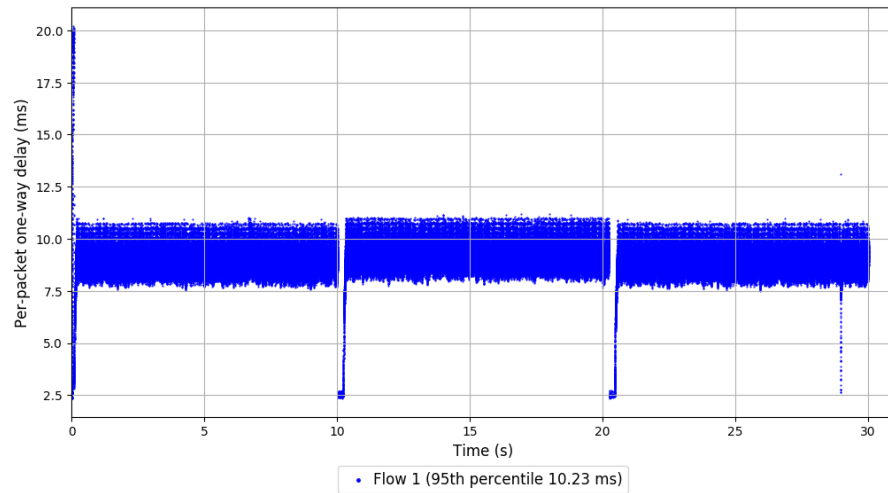
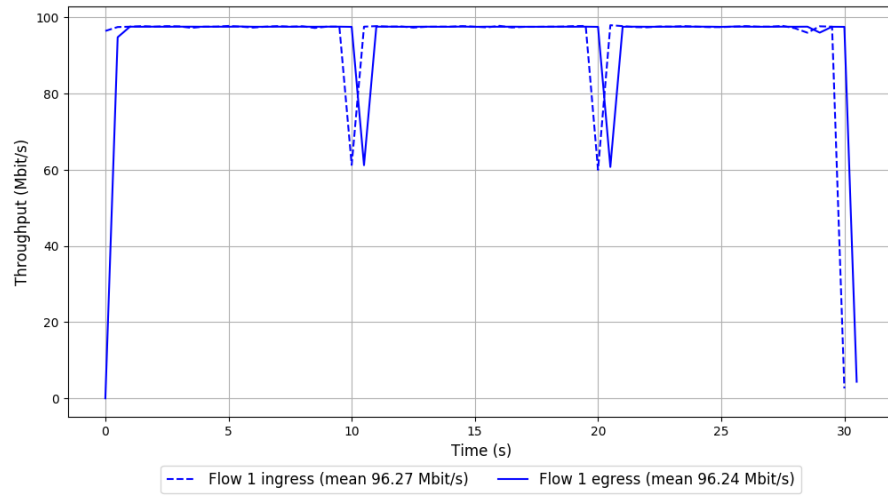


Run 7: Statistics of TCP BBR

Start at: 2018-07-24 08:50:17
End at: 2018-07-24 08:50:47
Local clock offset: -2.741 ms
Remote clock offset: -0.825 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.228 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

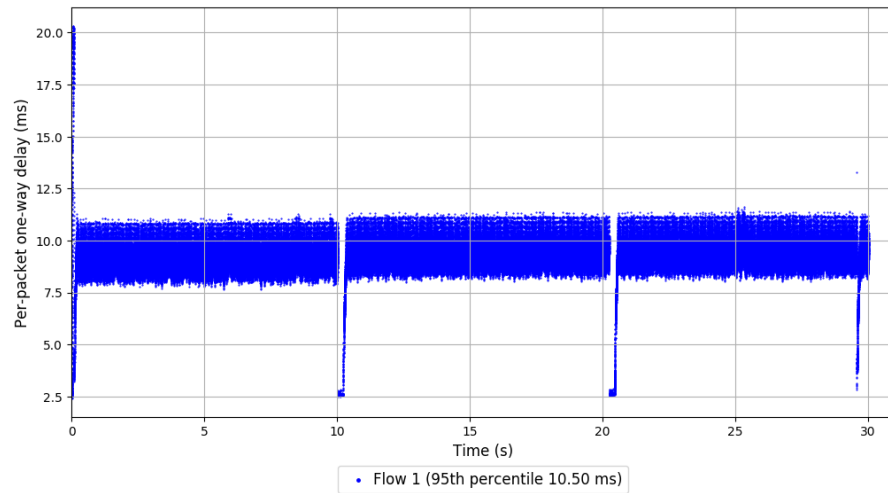
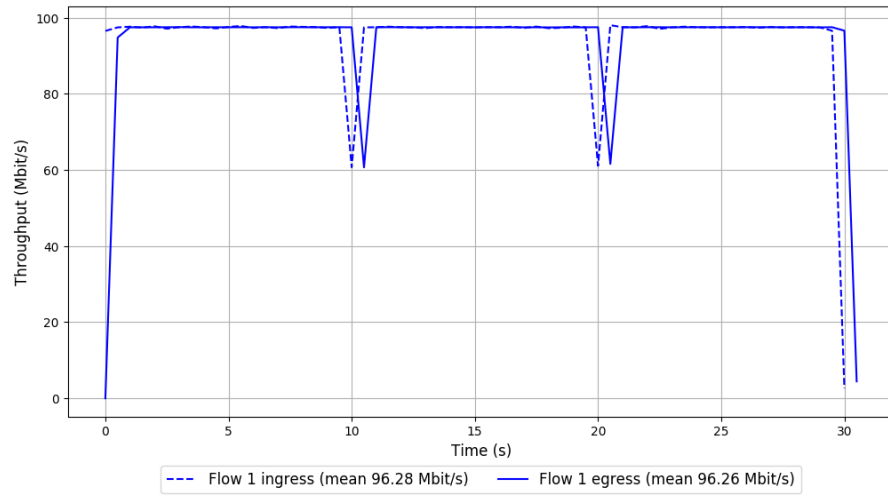


Run 8: Statistics of TCP BBR

Start at: 2018-07-24 09:09:19
End at: 2018-07-24 09:09:49
Local clock offset: -2.294 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-24 09:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.496 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

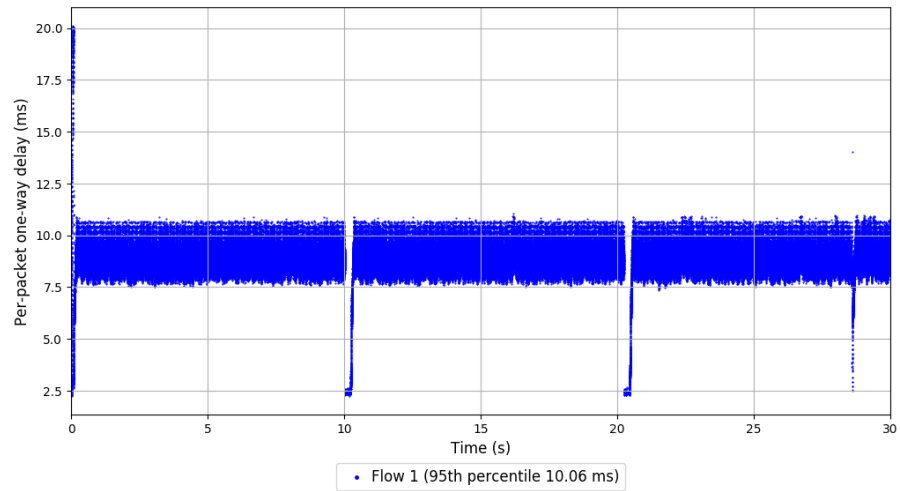
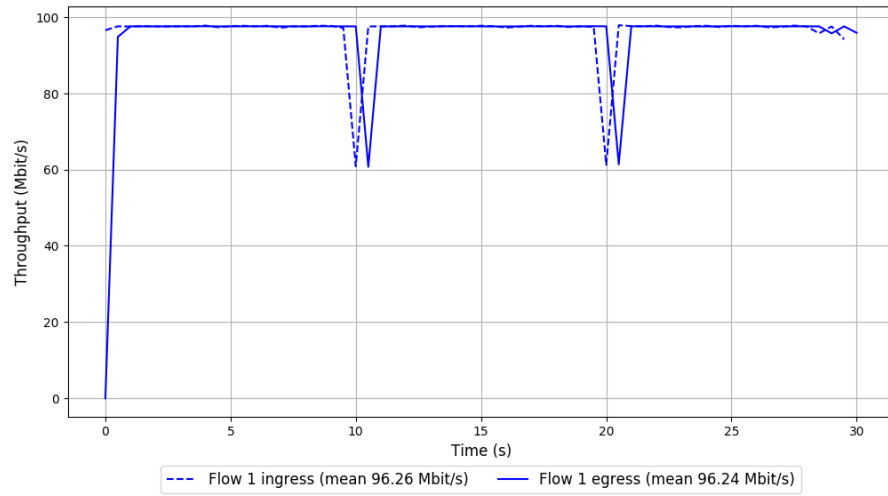


Run 9: Statistics of TCP BBR

Start at: 2018-07-24 09:28:21
End at: 2018-07-24 09:28:51
Local clock offset: -2.018 ms
Remote clock offset: -1.946 ms

Below is generated by plot.py at 2018-07-24 09:56:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.059 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-24 09:47:22

End at: 2018-07-24 09:47:52

Local clock offset: -7.254 ms

Remote clock offset: -2.049 ms

Below is generated by plot.py at 2018-07-24 09:56:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 10.631 ms

Loss rate: 0.00%

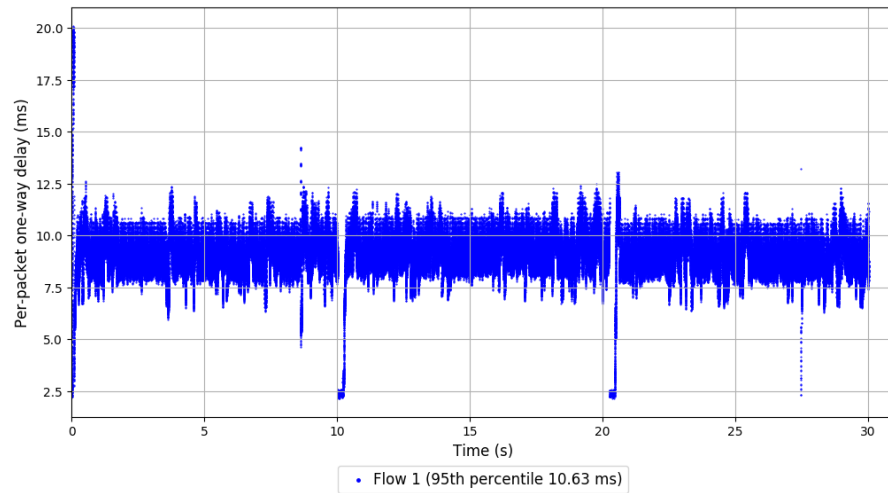
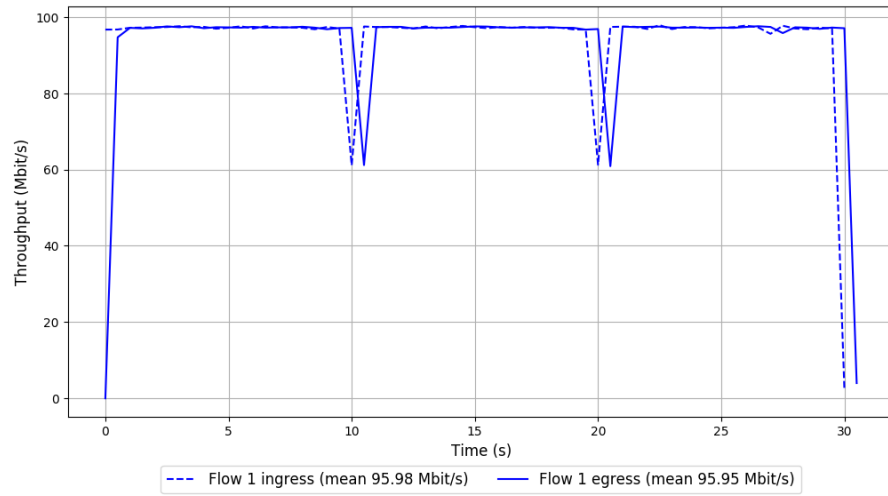
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 10.631 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

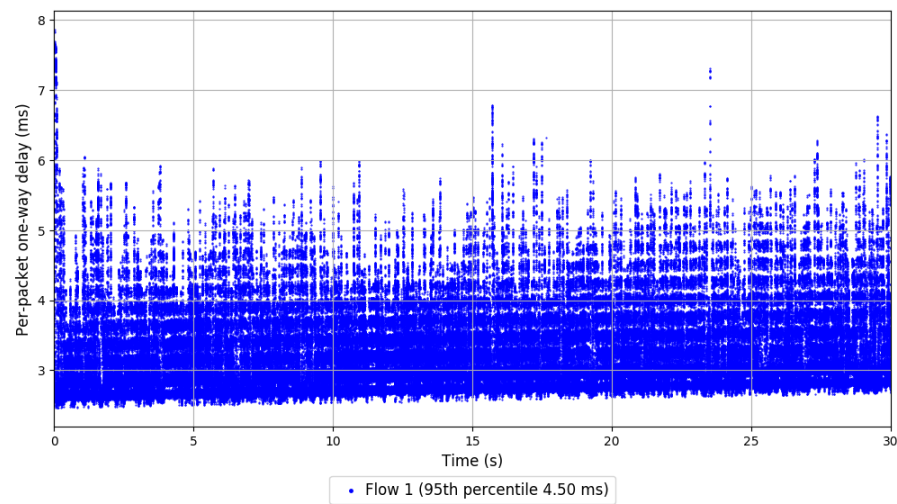
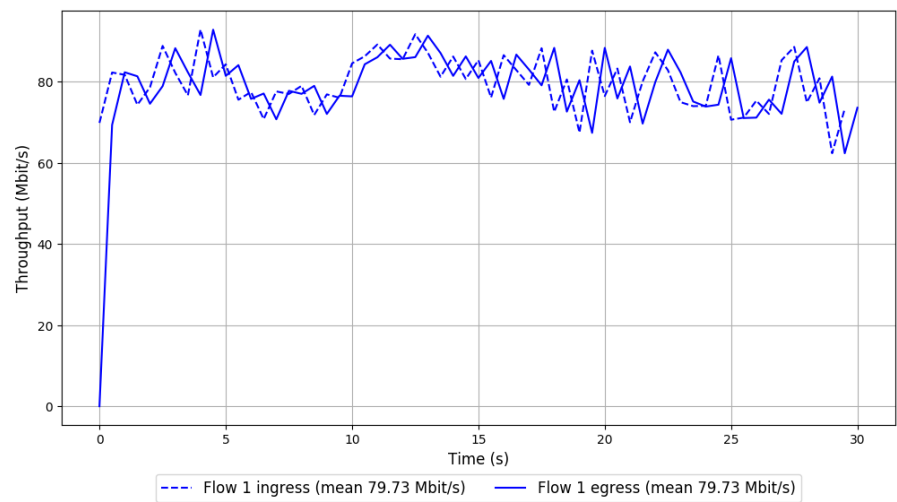


Run 1: Statistics of Copa

Start at: 2018-07-24 06:42:41
End at: 2018-07-24 06:43:11
Local clock offset: -16.264 ms
Remote clock offset: -2.168 ms

Below is generated by plot.py at 2018-07-24 09:57:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 4.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 4.495 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

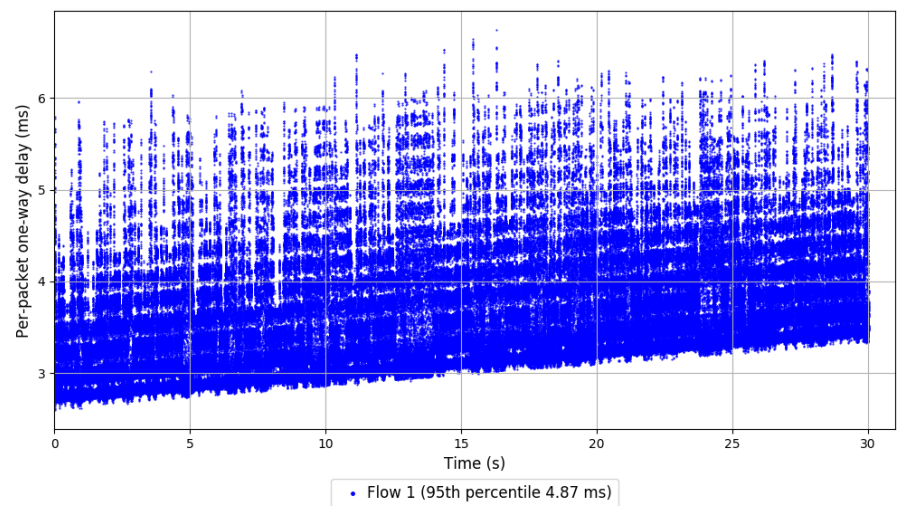
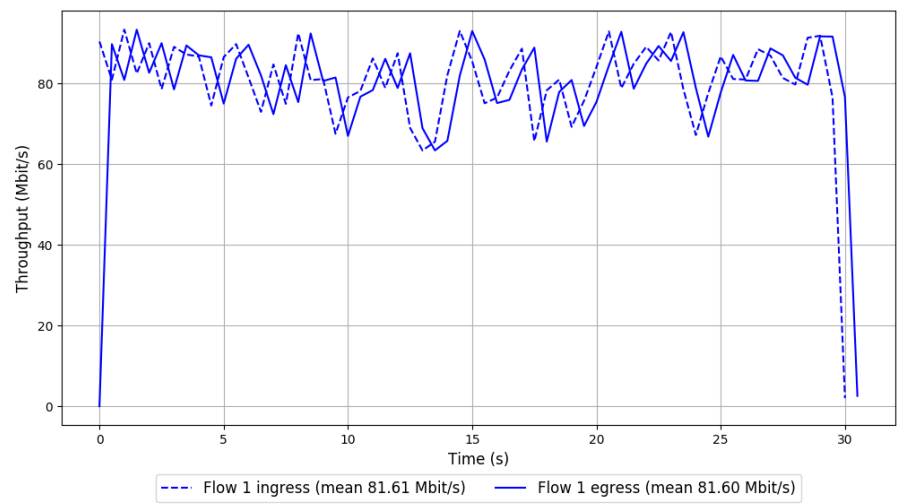


Run 2: Statistics of Copa

Start at: 2018-07-24 07:01:42
End at: 2018-07-24 07:02:12
Local clock offset: -18.522 ms
Remote clock offset: -2.031 ms

Below is generated by plot.py at 2018-07-24 09:57:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 4.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 4.869 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

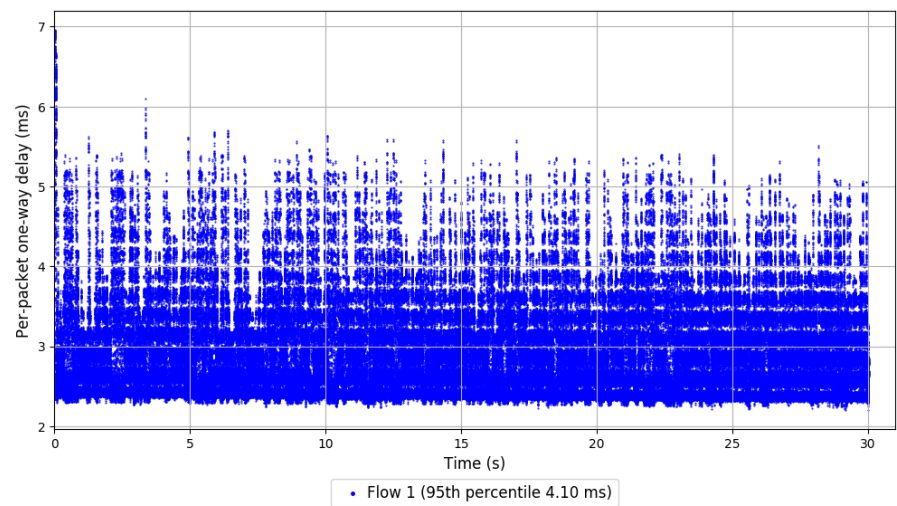
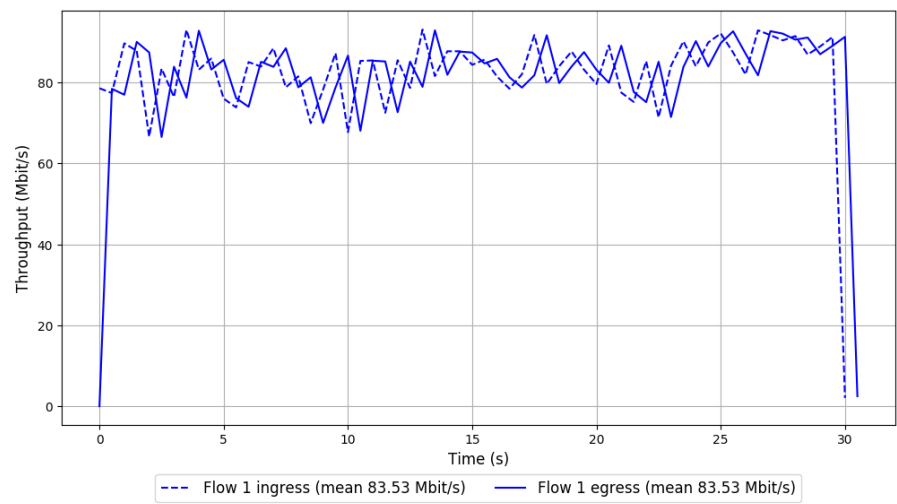


Run 3: Statistics of Copa

Start at: 2018-07-24 07:20:44
End at: 2018-07-24 07:21:14
Local clock offset: -10.174 ms
Remote clock offset: -1.919 ms

Below is generated by plot.py at 2018-07-24 09:57:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 4.100 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

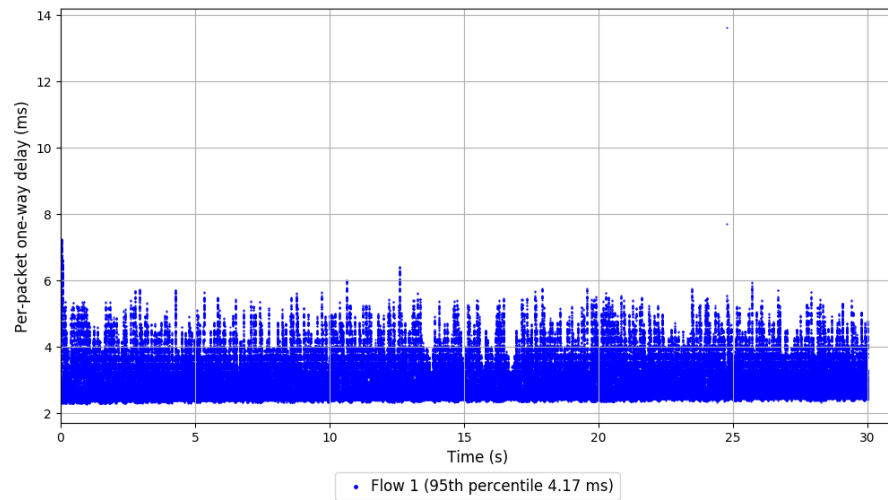
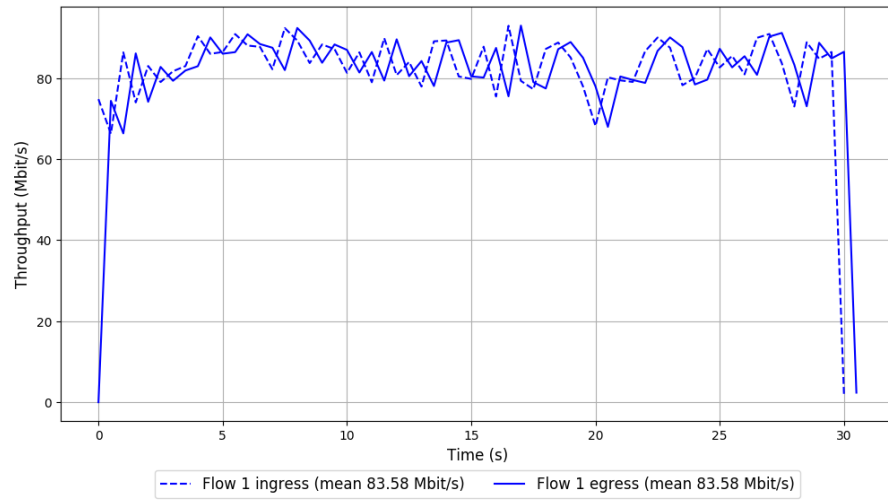


Run 4: Statistics of Copa

Start at: 2018-07-24 07:39:45
End at: 2018-07-24 07:40:15
Local clock offset: -10.753 ms
Remote clock offset: -6.3 ms

Below is generated by plot.py at 2018-07-24 09:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 4.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 4.172 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

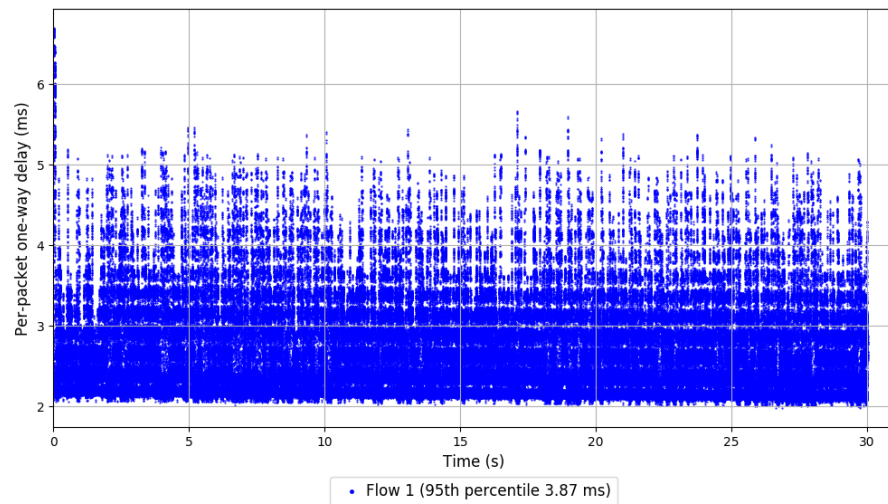
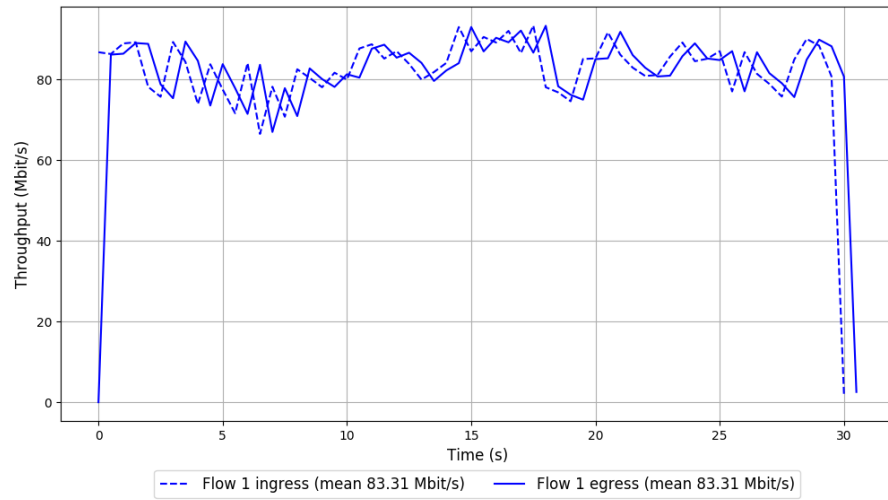


Run 5: Statistics of Copa

Start at: 2018-07-24 07:58:47
End at: 2018-07-24 07:59:17
Local clock offset: -13.149 ms
Remote clock offset: -8.334 ms

Below is generated by plot.py at 2018-07-24 09:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 3.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 3.866 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

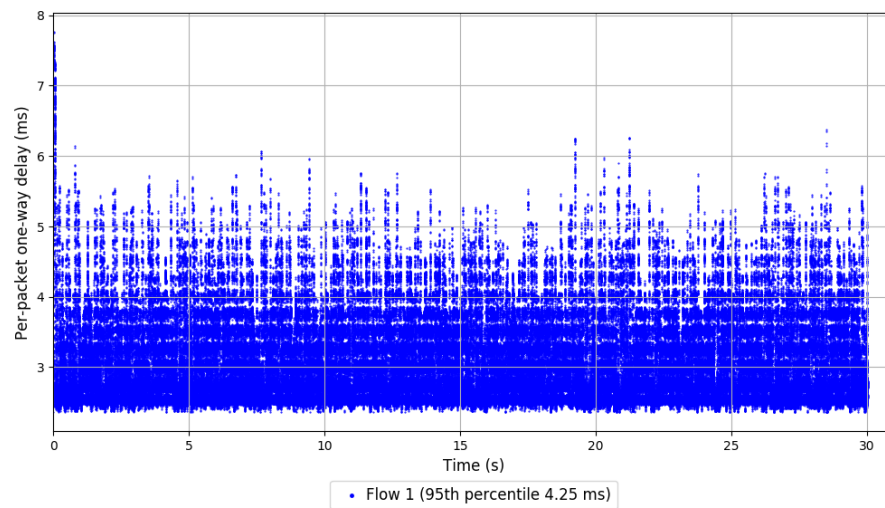
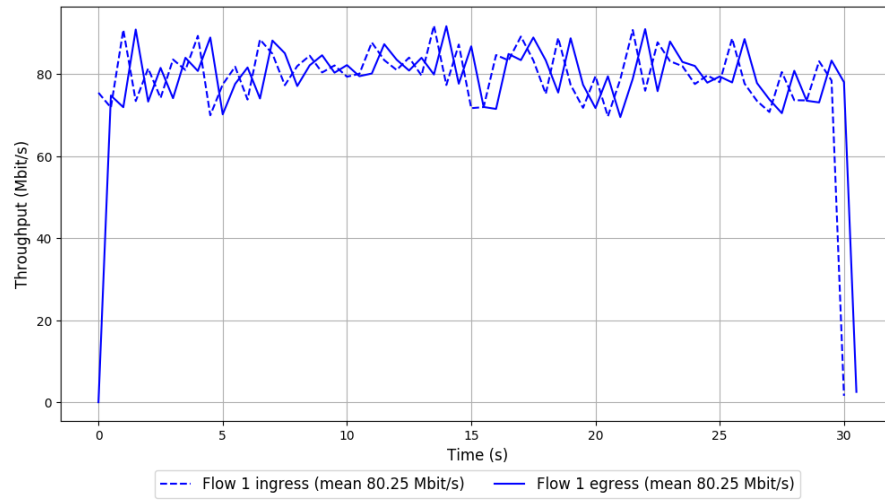


Run 6: Statistics of Copa

Start at: 2018-07-24 08:17:49
End at: 2018-07-24 08:18:19
Local clock offset: -5.314 ms
Remote clock offset: -2.305 ms

Below is generated by plot.py at 2018-07-24 09:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 4.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 4.253 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-24 08:36:50

End at: 2018-07-24 08:37:20

Local clock offset: -3.629 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at 2018-07-24 09:58:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 4.128 ms

Loss rate: 0.00%

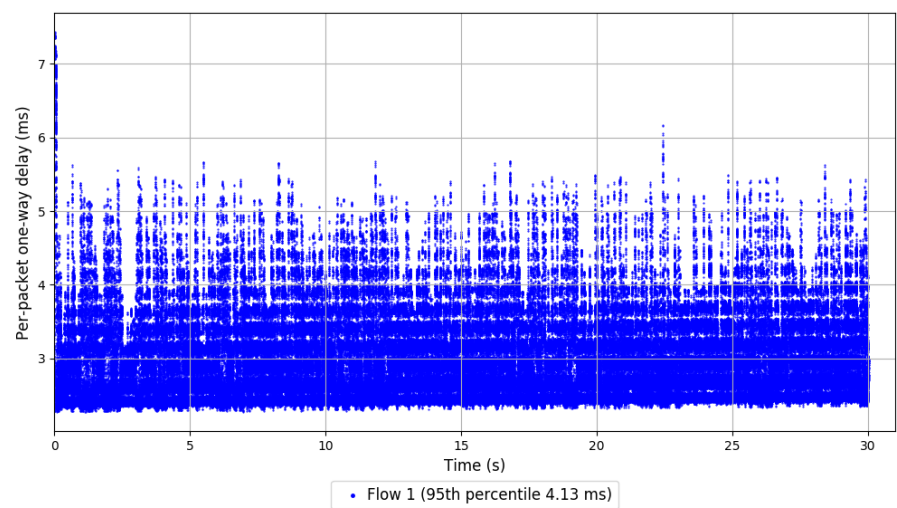
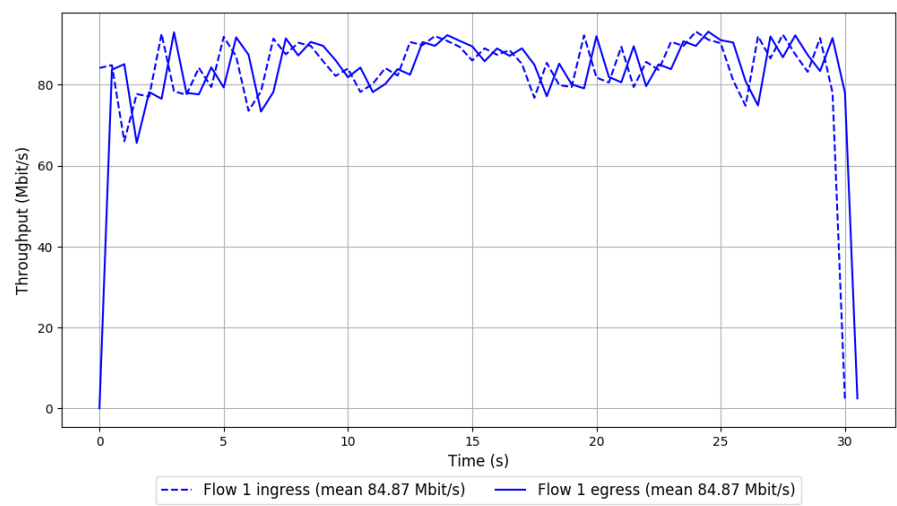
-- Flow 1:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 4.128 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

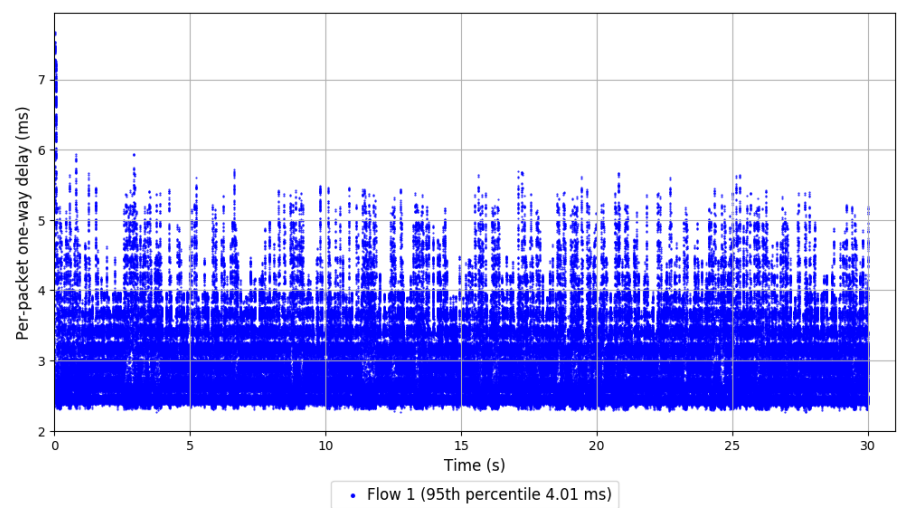
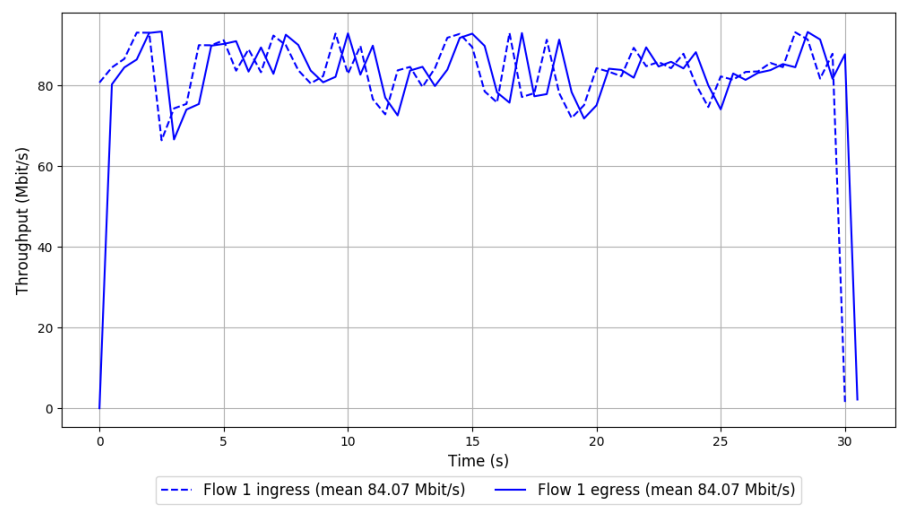


Run 8: Statistics of Copa

Start at: 2018-07-24 08:55:52
End at: 2018-07-24 08:56:22
Local clock offset: -2.701 ms
Remote clock offset: -0.651 ms

Below is generated by plot.py at 2018-07-24 09:58:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-24 09:14:54

End at: 2018-07-24 09:15:24

Local clock offset: -2.086 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2018-07-24 09:59:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 4.099 ms

Loss rate: 0.00%

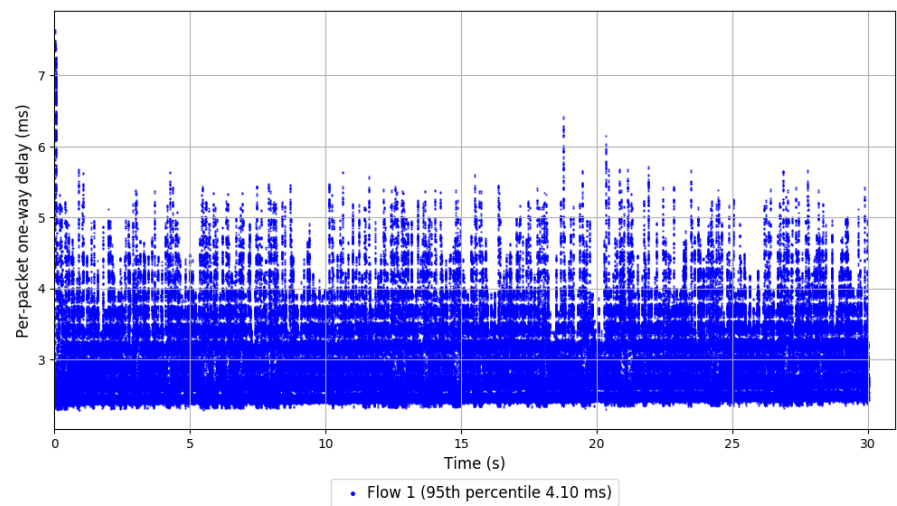
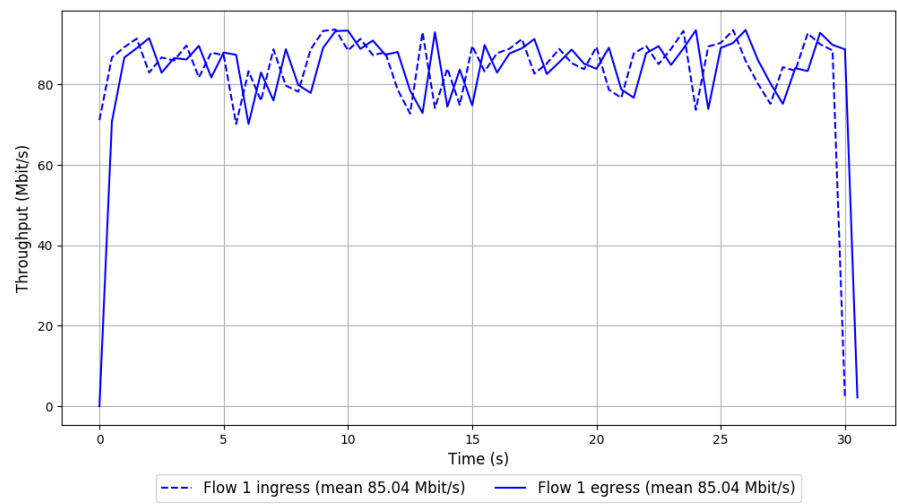
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 4.099 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

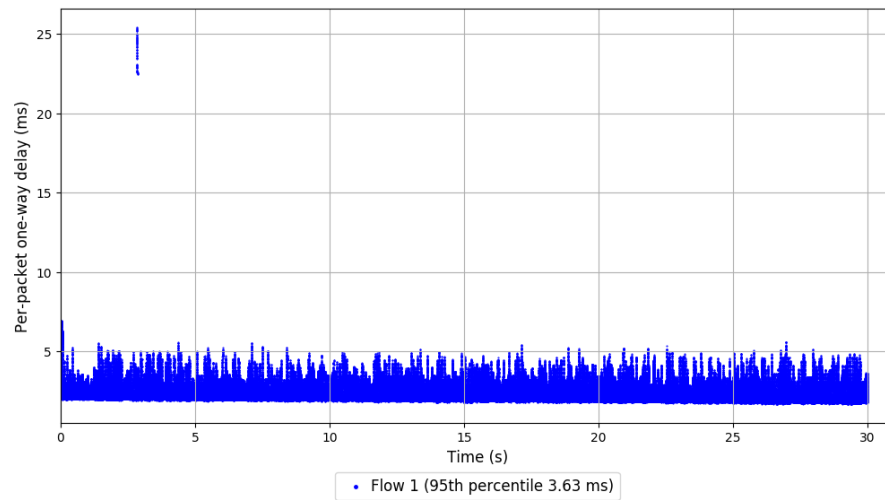
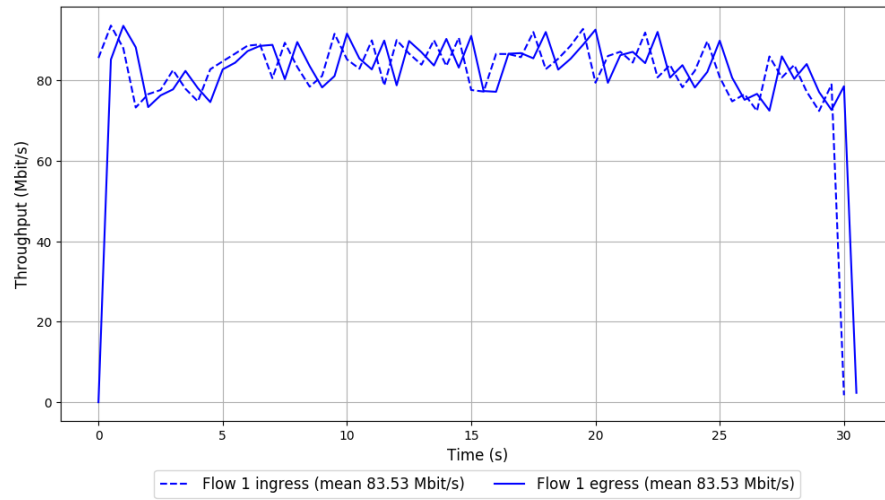


Run 10: Statistics of Copa

Start at: 2018-07-24 09:33:56
End at: 2018-07-24 09:34:26
Local clock offset: -3.167 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2018-07-24 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 3.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 3.632 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

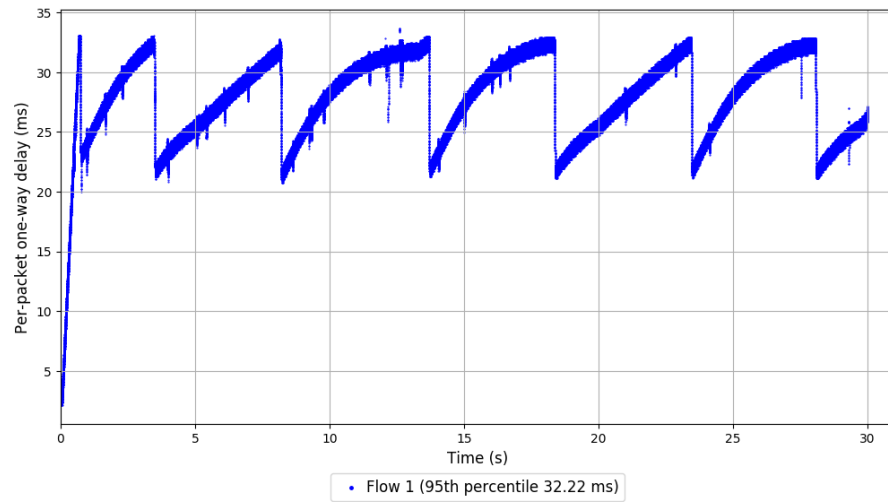
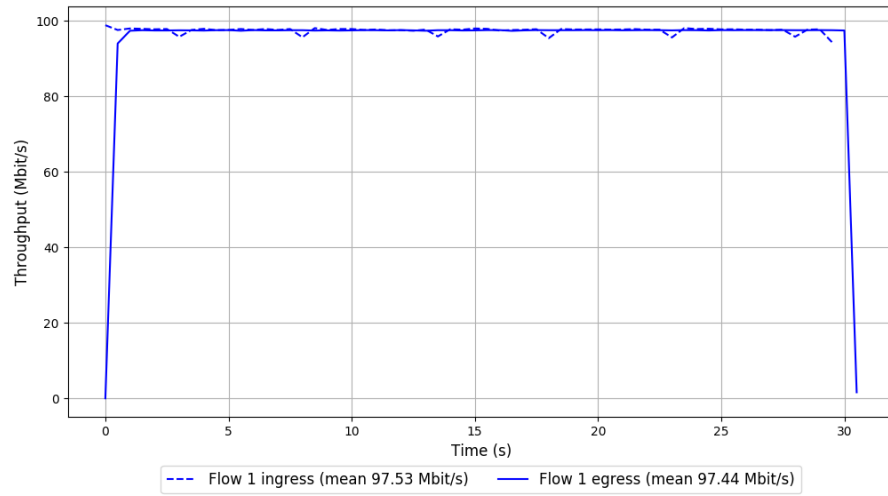


Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 06:57:14
End at: 2018-07-24 06:57:44
Local clock offset: -16.76 ms
Remote clock offset: -2.047 ms

Below is generated by plot.py at 2018-07-24 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.220 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.220 ms
Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link

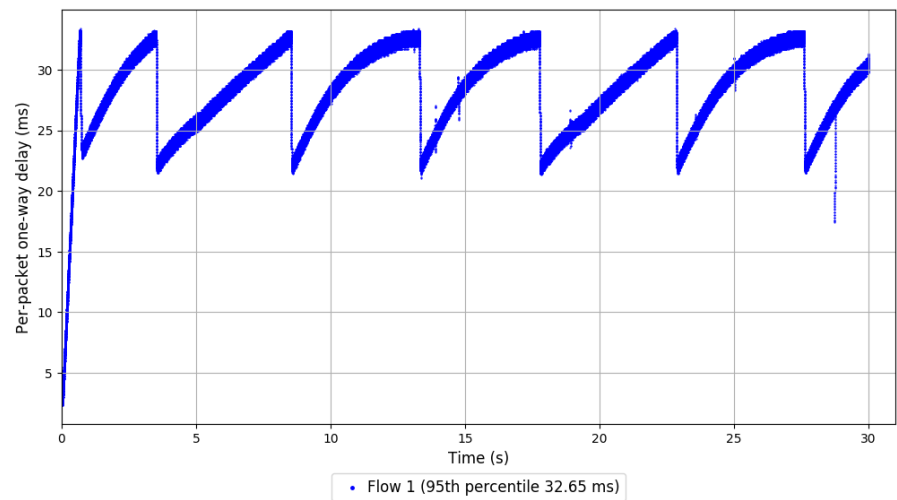
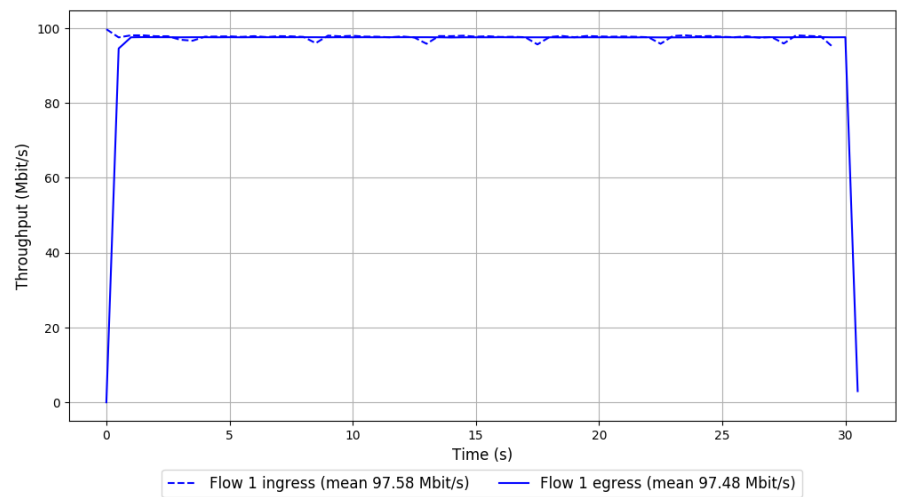


Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 07:16:15
End at: 2018-07-24 07:16:45
Local clock offset: -9.951 ms
Remote clock offset: -1.995 ms

Below is generated by plot.py at 2018-07-24 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.654 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.654 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

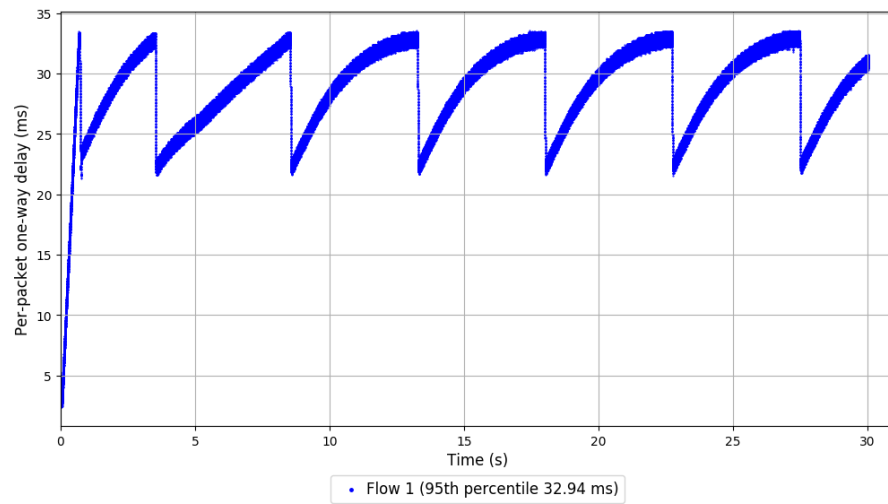
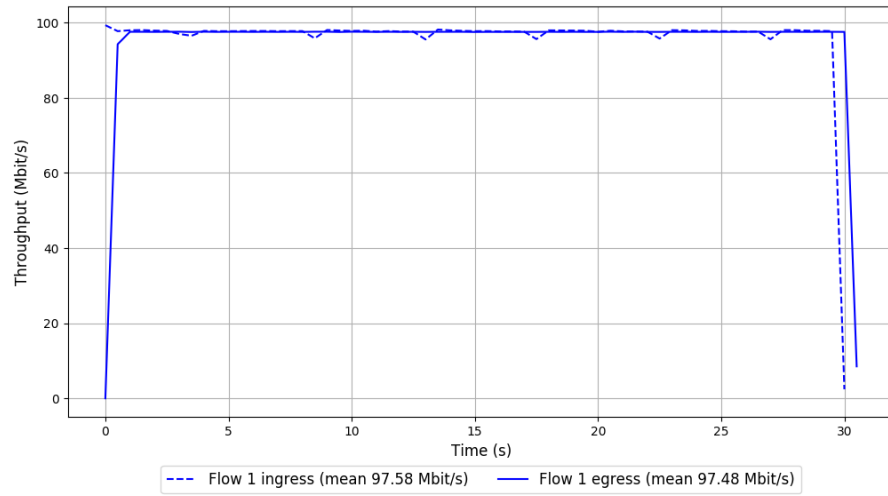


Run 3: Statistics of TCP Cubic

Start at: 2018-07-24 07:35:17
End at: 2018-07-24 07:35:47
Local clock offset: -11.219 ms
Remote clock offset: -5.431 ms

Below is generated by plot.py at 2018-07-24 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.938 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.938 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

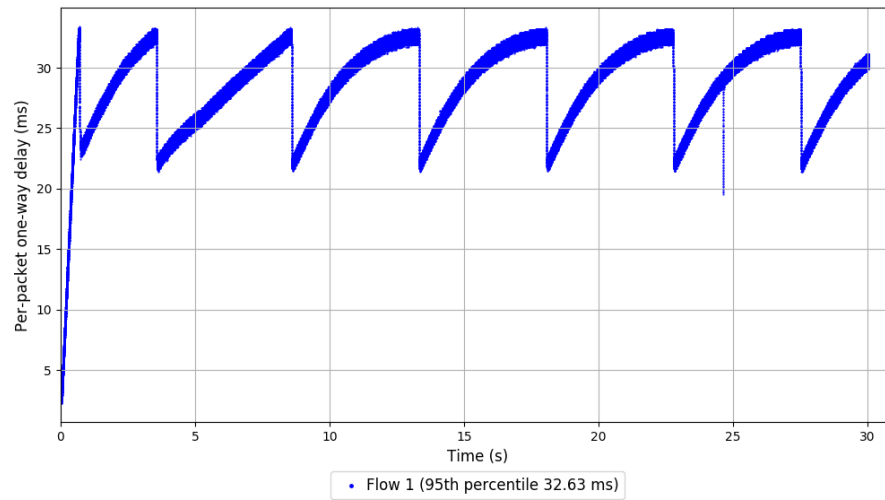
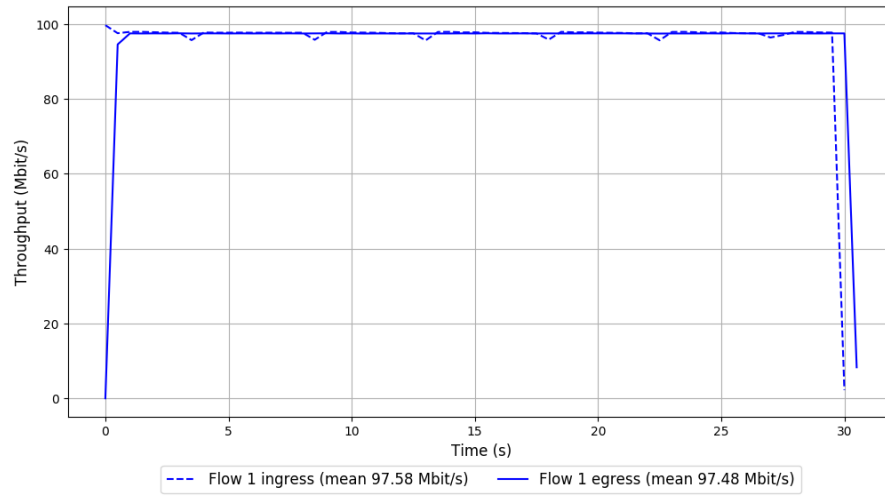


Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 07:54:19
End at: 2018-07-24 07:54:49
Local clock offset: -12.337 ms
Remote clock offset: -7.877 ms

Below is generated by plot.py at 2018-07-24 09:59:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.634 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.634 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 08:13:21

End at: 2018-07-24 08:13:51

Local clock offset: -6.182 ms

Remote clock offset: -3.04 ms

Below is generated by plot.py at 2018-07-24 09:59:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 32.099 ms

Loss rate: 0.01%

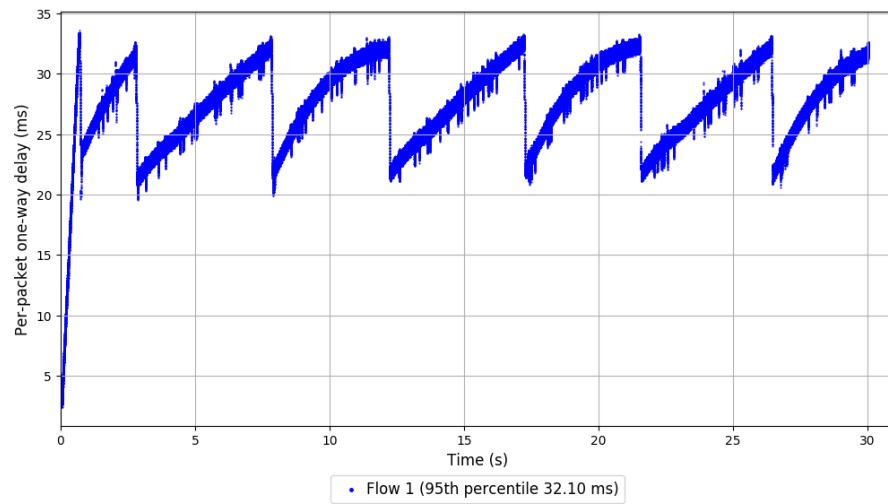
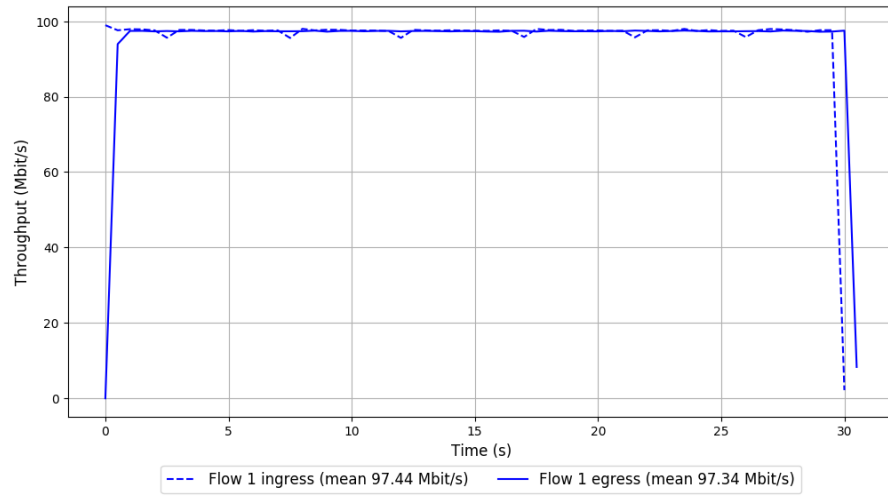
-- Flow 1:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 32.099 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

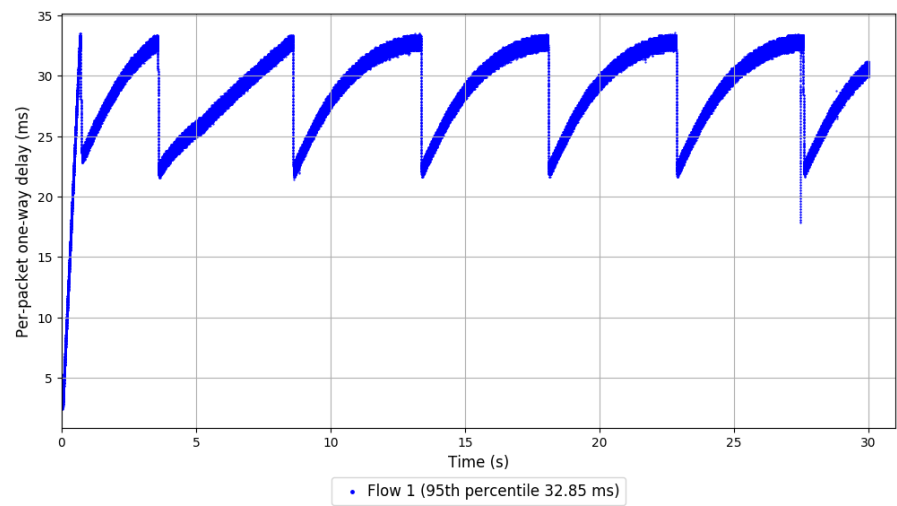
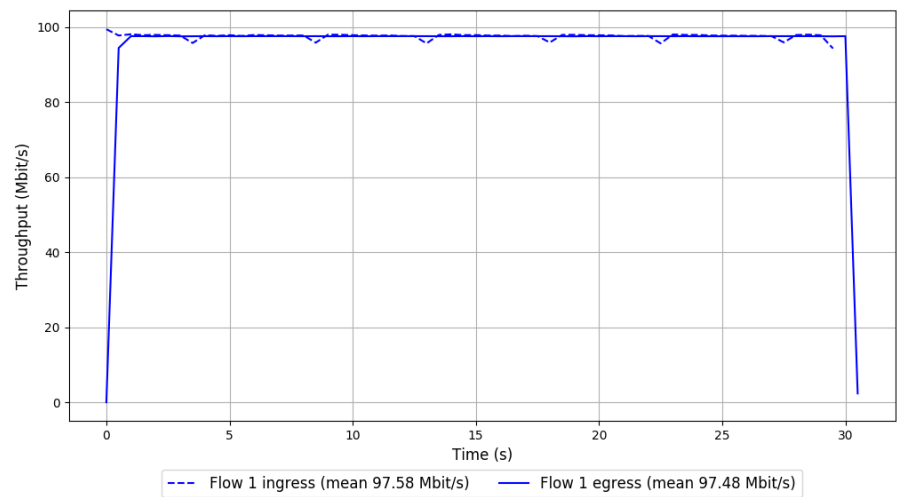


Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 08:32:23
End at: 2018-07-24 08:32:53
Local clock offset: -4.588 ms
Remote clock offset: -1.102 ms

Below is generated by plot.py at 2018-07-24 09:59:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.851 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.851 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

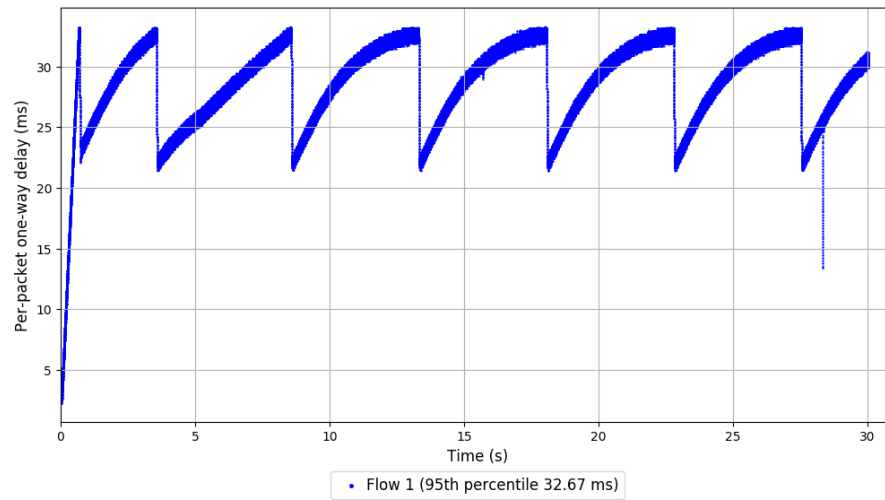
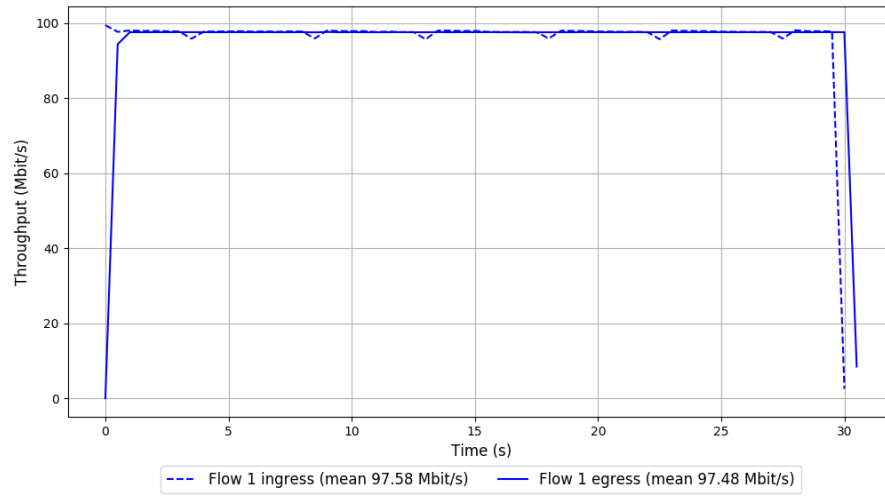


Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 08:51:24
End at: 2018-07-24 08:51:54
Local clock offset: -2.734 ms
Remote clock offset: -0.871 ms

Below is generated by plot.py at 2018-07-24 09:59:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.673 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.673 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

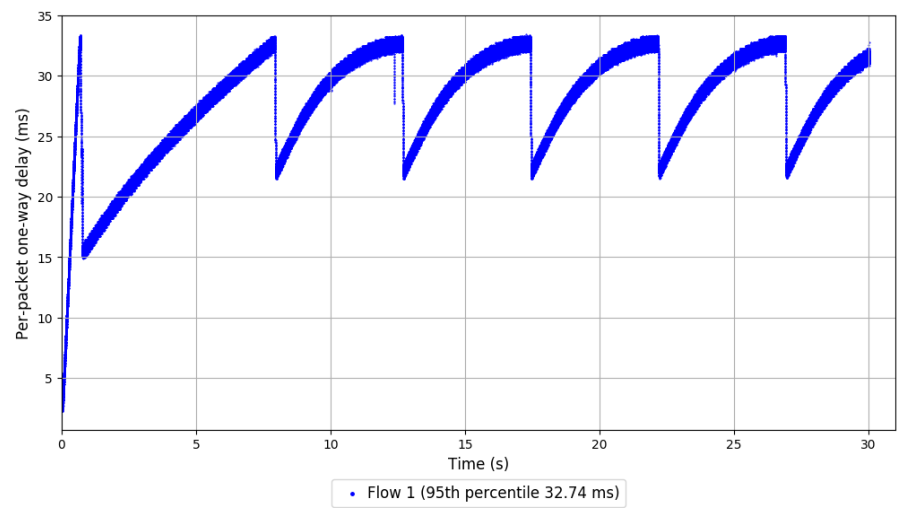
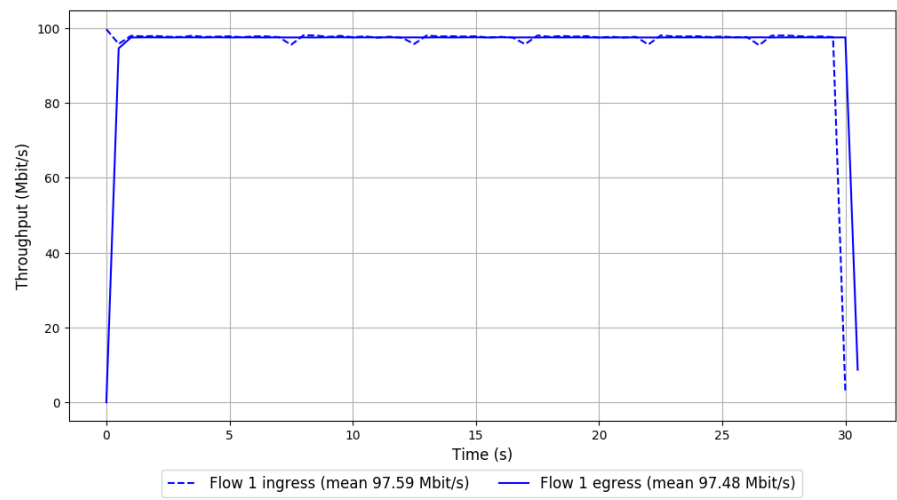


Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 09:10:26
End at: 2018-07-24 09:10:56
Local clock offset: -2.245 ms
Remote clock offset: -0.778 ms

Below is generated by plot.py at 2018-07-24 09:59:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.737 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.737 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

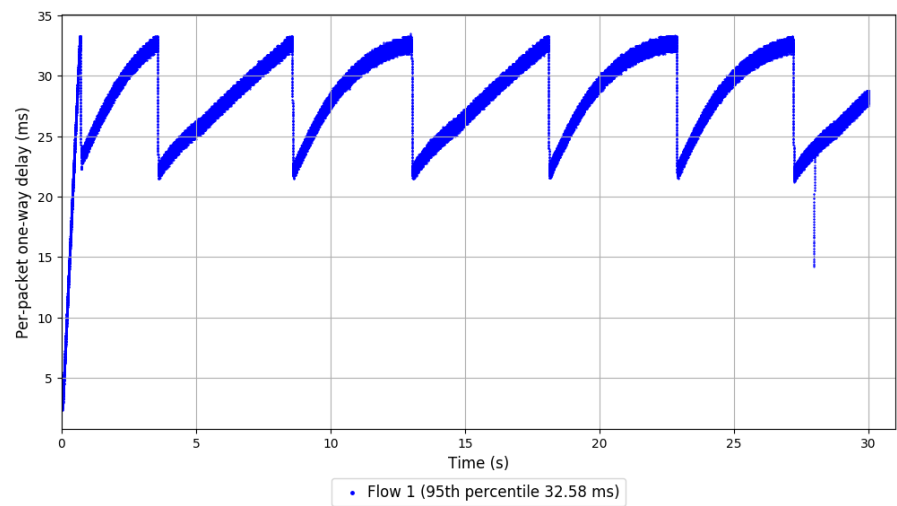
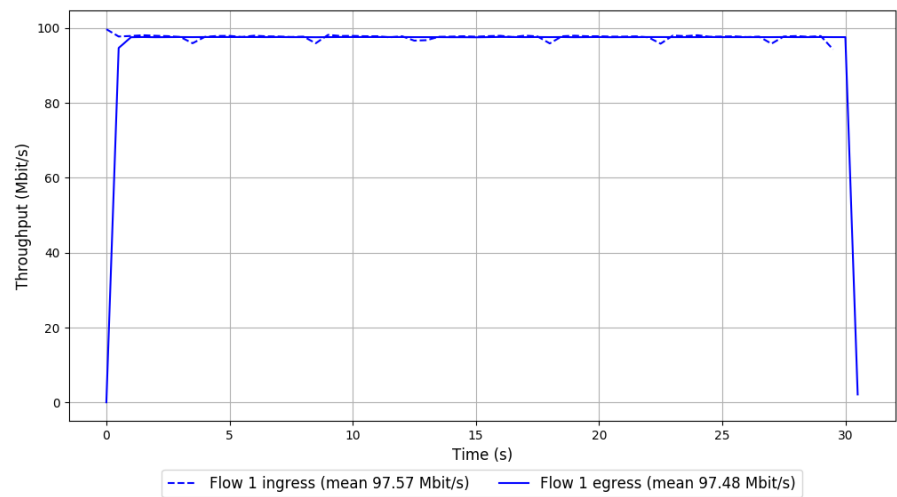


Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 09:29:28
End at: 2018-07-24 09:29:58
Local clock offset: -2.025 ms
Remote clock offset: -1.884 ms

Below is generated by plot.py at 2018-07-24 10:00:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.580 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.580 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 09:48:29

End at: 2018-07-24 09:49:00

Local clock offset: -7.426 ms

Remote clock offset: -2.053 ms

Below is generated by plot.py at 2018-07-24 10:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 31.399 ms

Loss rate: 0.01%

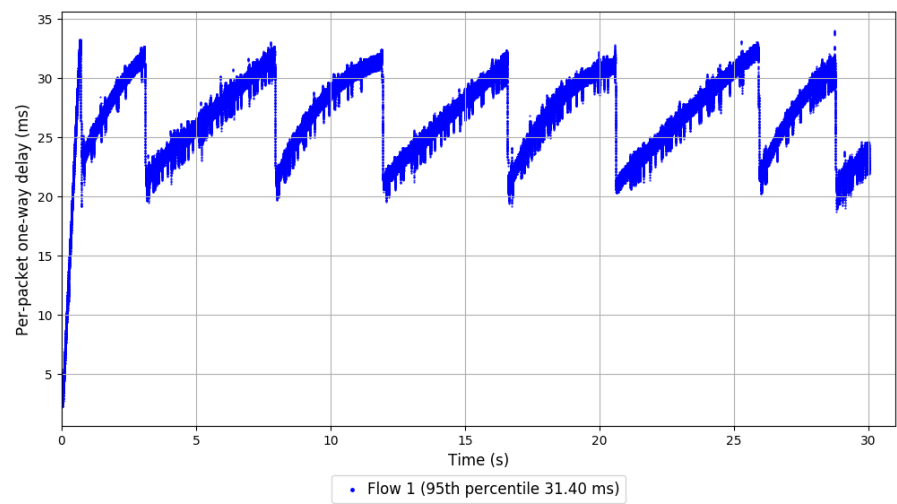
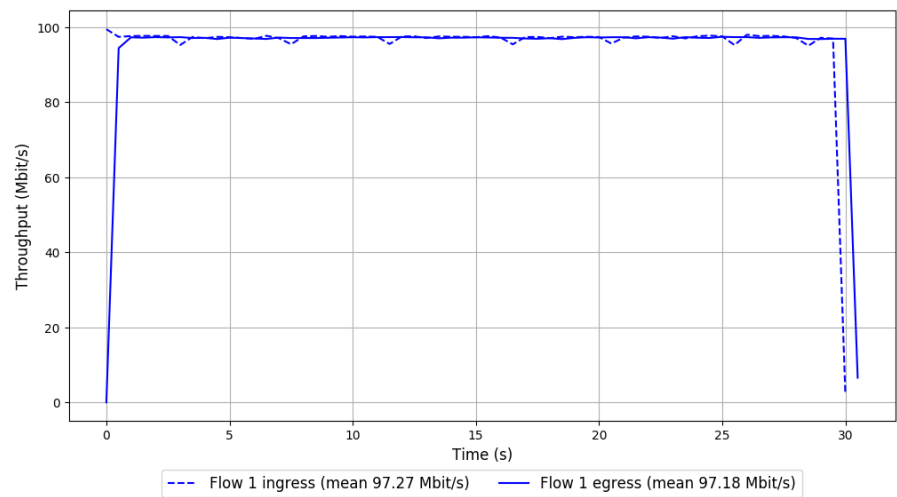
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 31.399 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

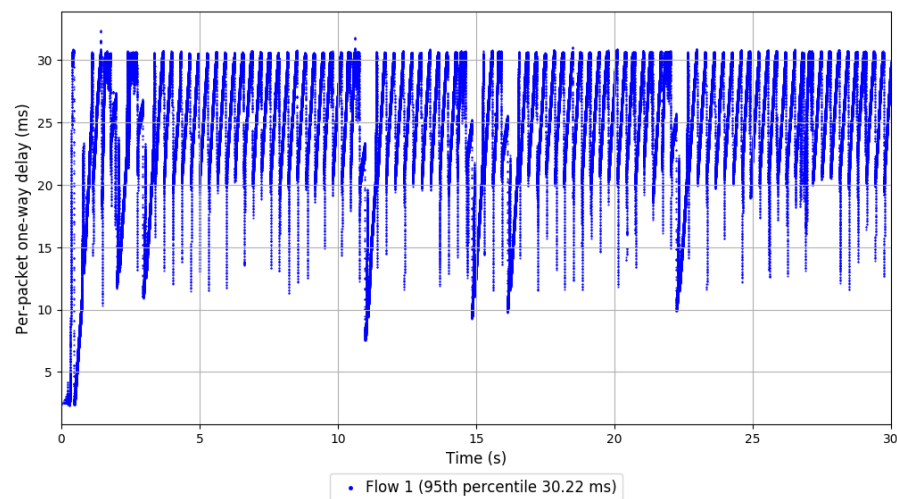
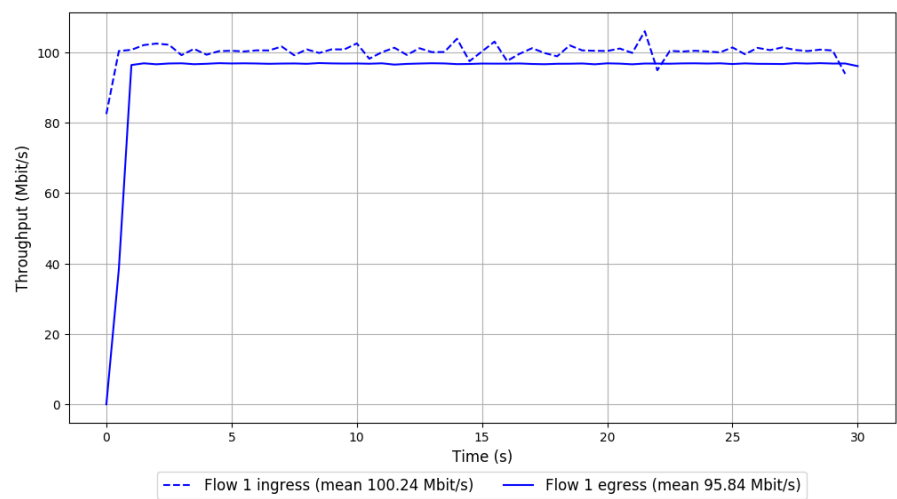


```
Run 1: Statistics of FillP

Start at: 2018-07-24 06:44:55
End at: 2018-07-24 06:45:25
Local clock offset: -15.388 ms
Remote clock offset: -2.083 ms

# Below is generated by plot.py at 2018-07-24 10:00:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 30.224 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 30.224 ms
Loss rate: 4.30%
```

Run 1: Report of FillP — Data Link

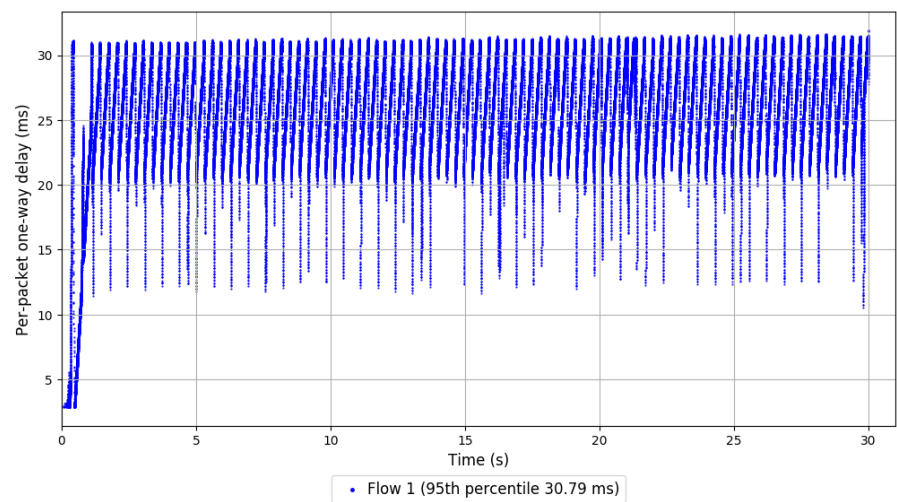
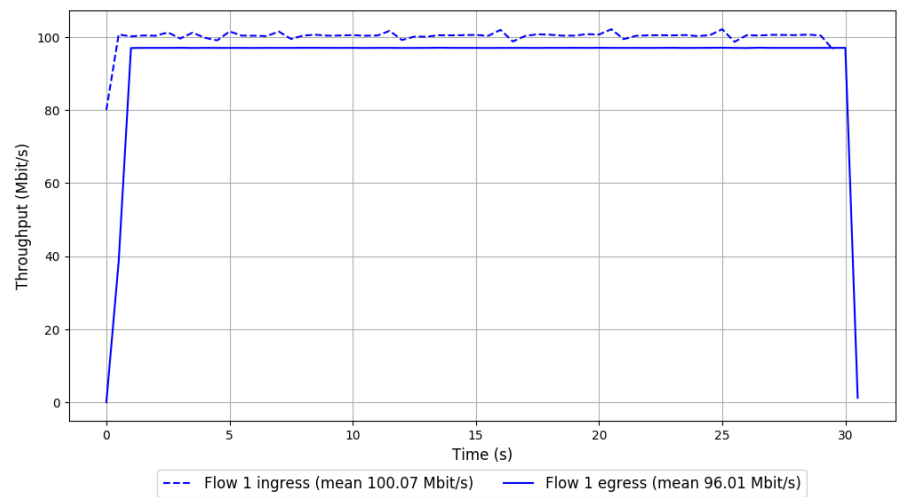


Run 2: Statistics of FillP

Start at: 2018-07-24 07:03:57
End at: 2018-07-24 07:04:27
Local clock offset: -15.881 ms
Remote clock offset: -2.091 ms

Below is generated by plot.py at 2018-07-24 10:00:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 30.786 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 30.786 ms
Loss rate: 3.97%

Run 2: Report of FillP — Data Link

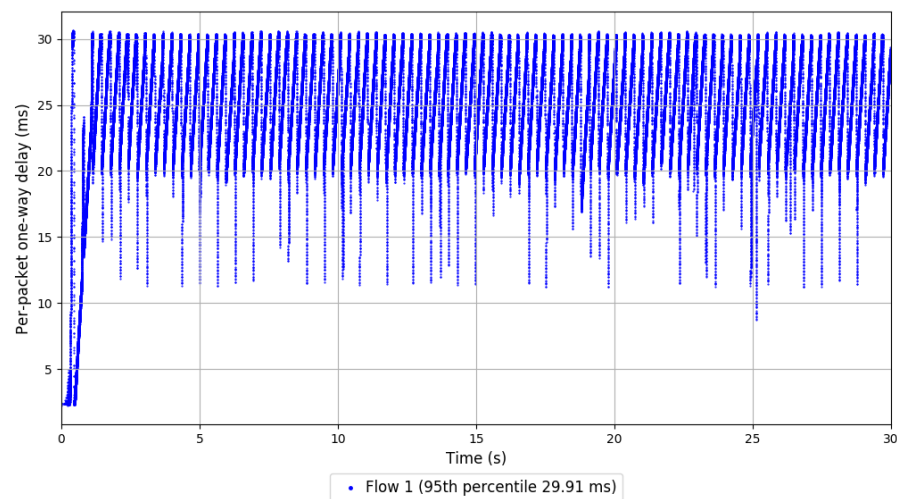
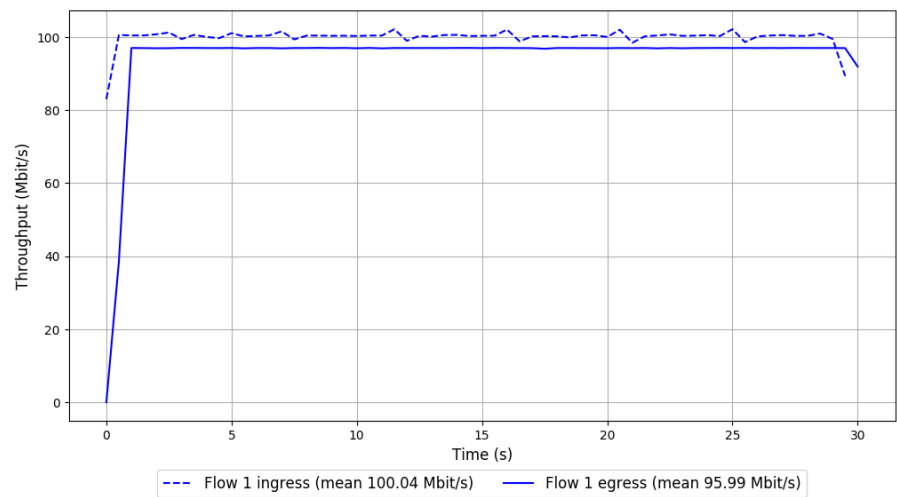


Run 3: Statistics of FillP

Start at: 2018-07-24 07:22:59
End at: 2018-07-24 07:23:29
Local clock offset: -10.45 ms
Remote clock offset: -1.894 ms

Below is generated by plot.py at 2018-07-24 10:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.908 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.908 ms
Loss rate: 3.97%

Run 3: Report of FillP — Data Link

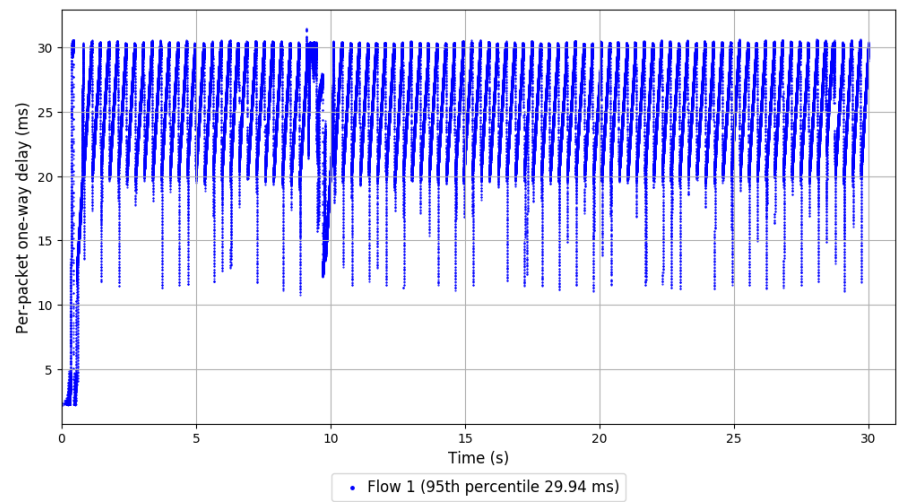
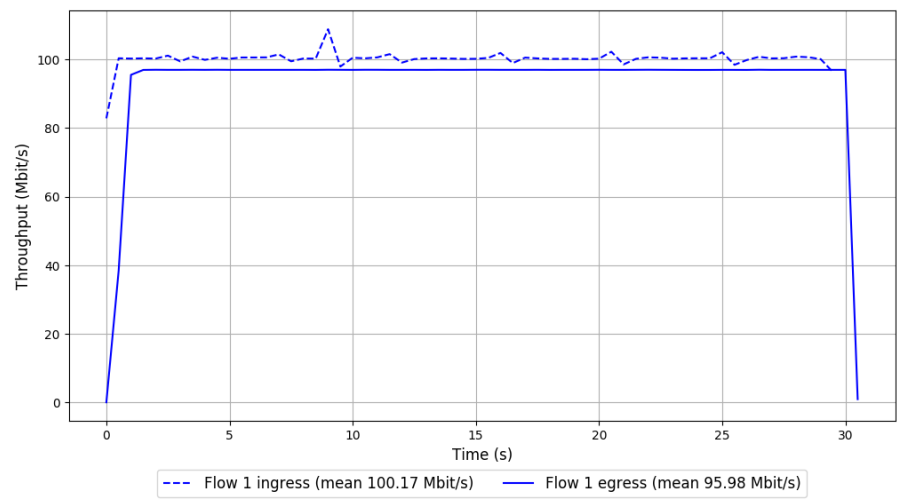


Run 4: Statistics of FillP

Start at: 2018-07-24 07:42:00
End at: 2018-07-24 07:42:30
Local clock offset: -10.762 ms
Remote clock offset: -6.671 ms

Below is generated by plot.py at 2018-07-24 10:01:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.944 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.944 ms
Loss rate: 4.10%

Run 4: Report of FillP — Data Link

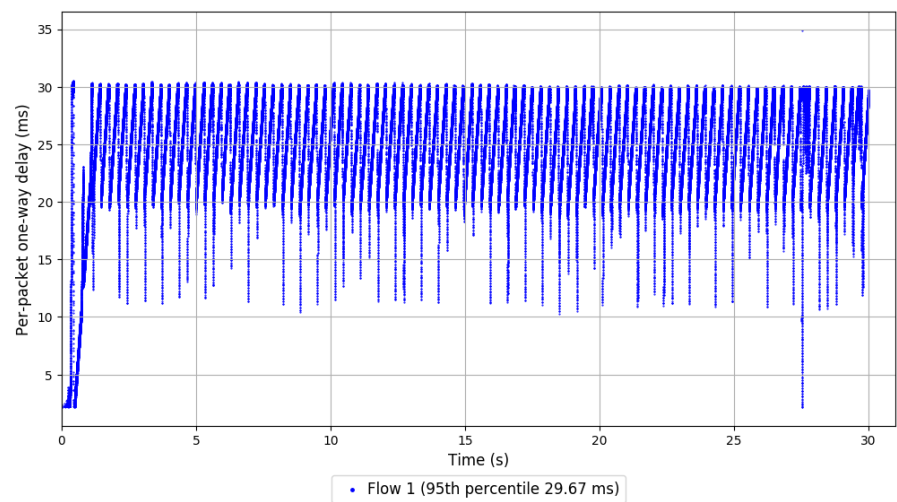
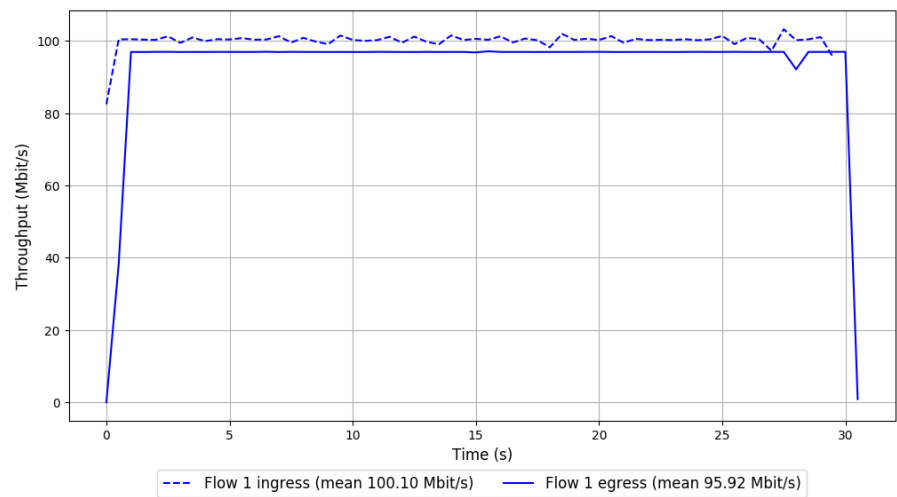


Run 5: Statistics of FillP

Start at: 2018-07-24 08:01:02
End at: 2018-07-24 08:01:32
Local clock offset: -13.663 ms
Remote clock offset: -7.565 ms

Below is generated by plot.py at 2018-07-24 10:01:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 29.670 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 29.670 ms
Loss rate: 4.09%

Run 5: Report of FillP — Data Link

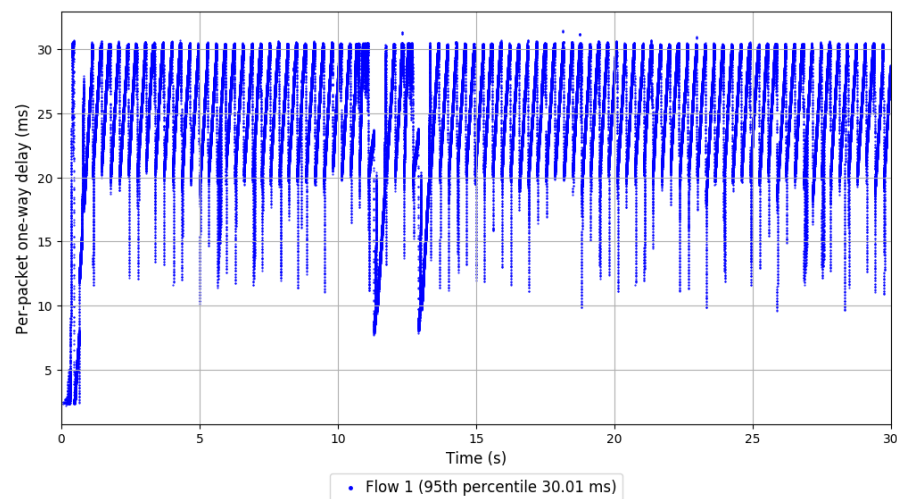
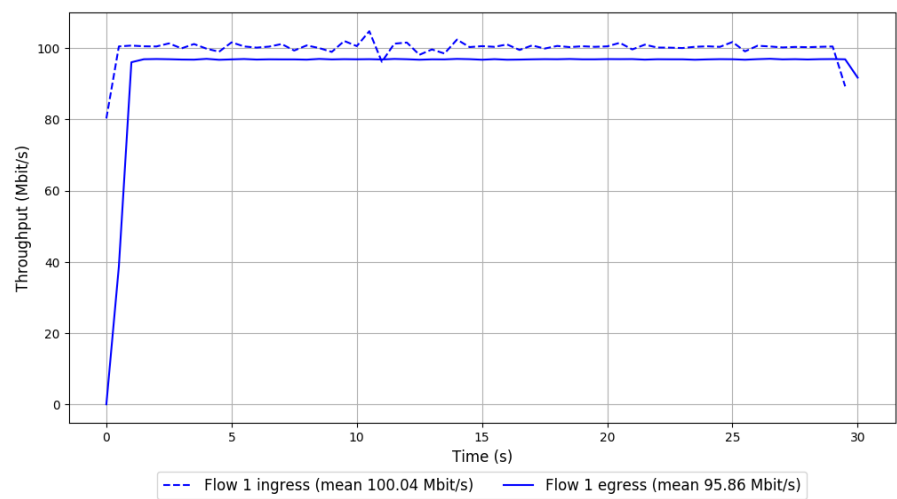


Run 6: Statistics of FillP

Start at: 2018-07-24 08:20:04
End at: 2018-07-24 08:20:34
Local clock offset: -4.999 ms
Remote clock offset: -2.038 ms

Below is generated by plot.py at 2018-07-24 10:01:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 30.008 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 30.008 ms
Loss rate: 4.09%

Run 6: Report of FillP — Data Link

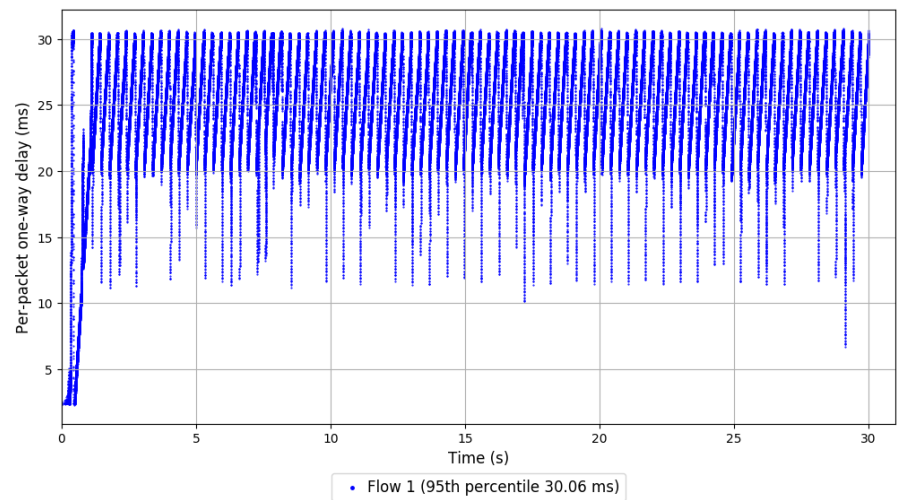
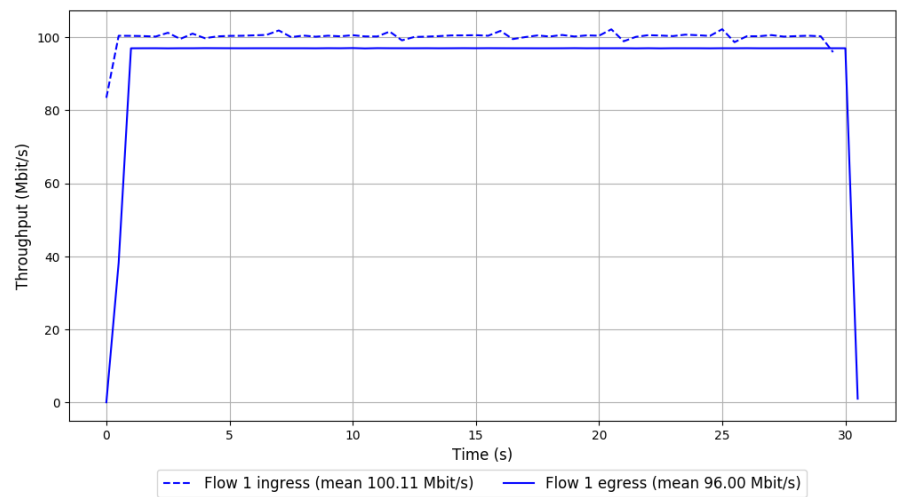


Run 7: Statistics of FillP

Start at: 2018-07-24 08:39:05
End at: 2018-07-24 08:39:35
Local clock offset: -3.376 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-07-24 10:01:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.056 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.056 ms
Loss rate: 4.02%

Run 7: Report of FillP — Data Link

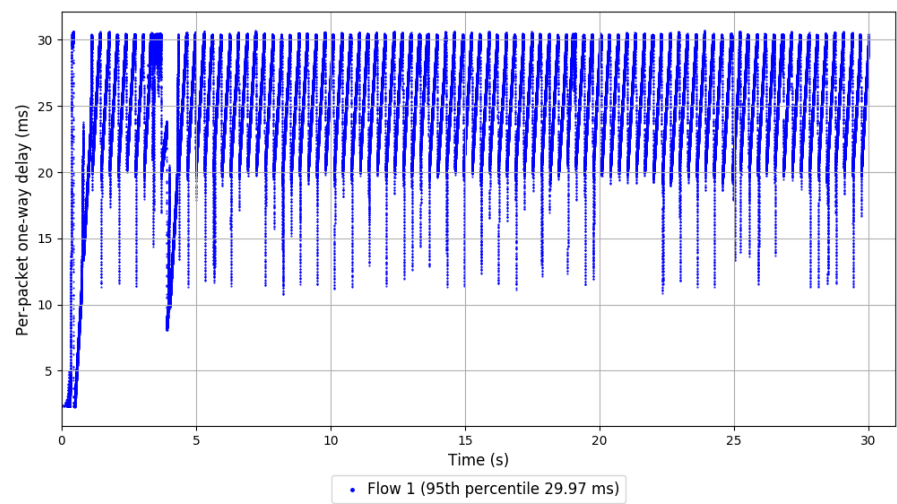
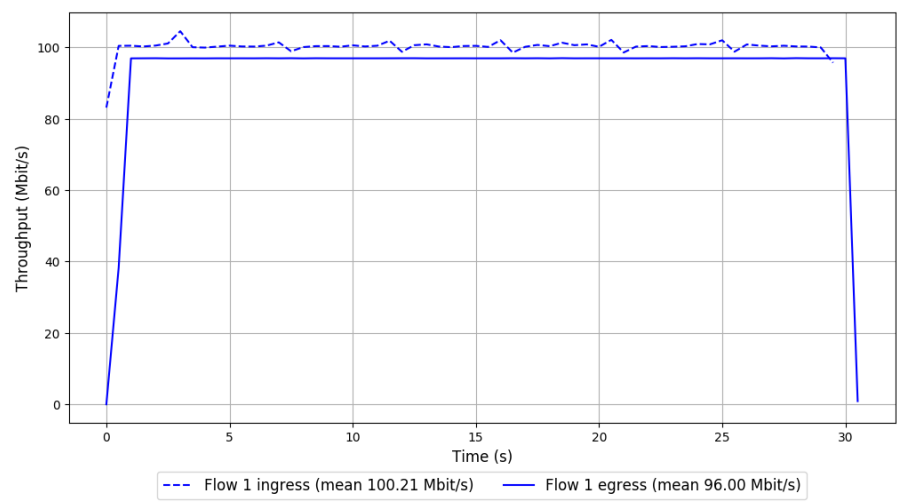


Run 8: Statistics of FillP

Start at: 2018-07-24 08:58:07
End at: 2018-07-24 08:58:37
Local clock offset: -2.657 ms
Remote clock offset: -0.572 ms

Below is generated by plot.py at 2018-07-24 10:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 4.11%

Run 8: Report of FillP — Data Link

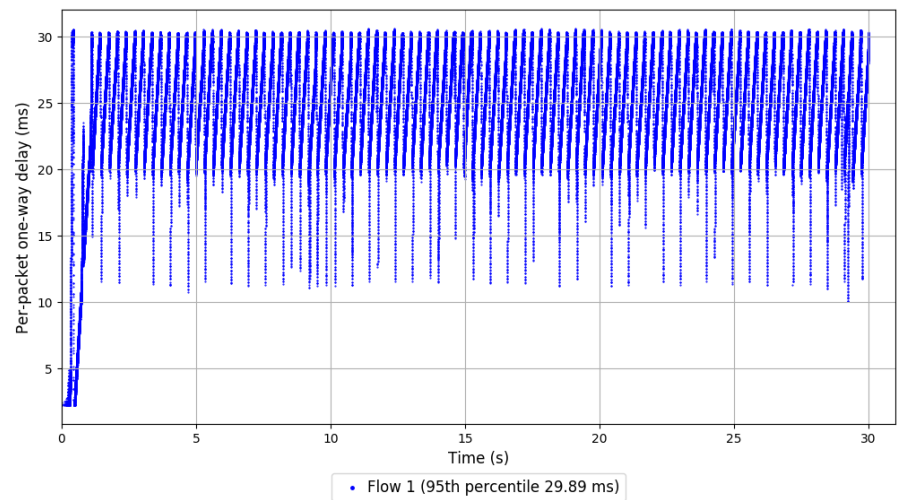
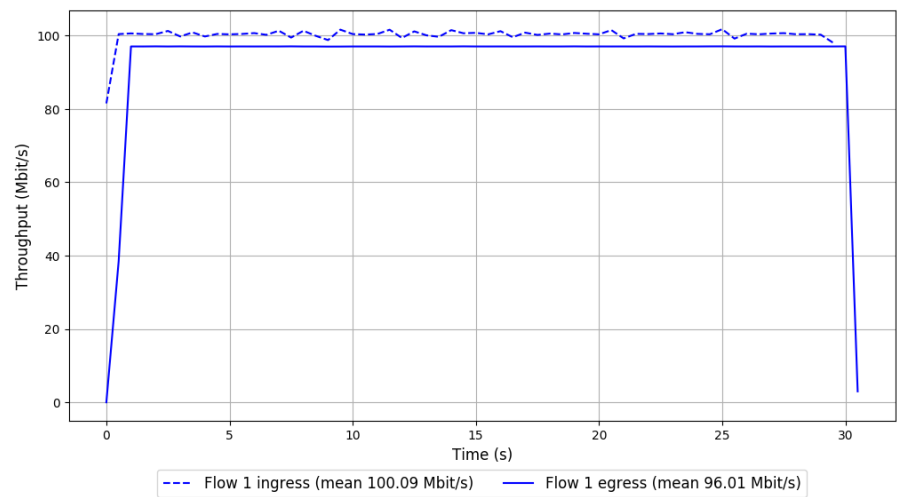


Run 9: Statistics of FillP

Start at: 2018-07-24 09:17:09
End at: 2018-07-24 09:17:39
Local clock offset: -2.057 ms
Remote clock offset: -1.515 ms

Below is generated by plot.py at 2018-07-24 10:02:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.892 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.892 ms
Loss rate: 3.99%

Run 9: Report of FillP — Data Link

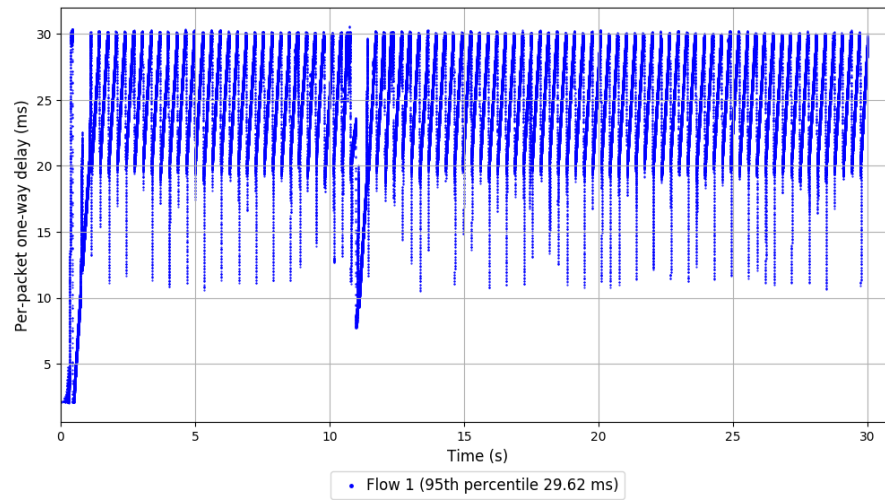
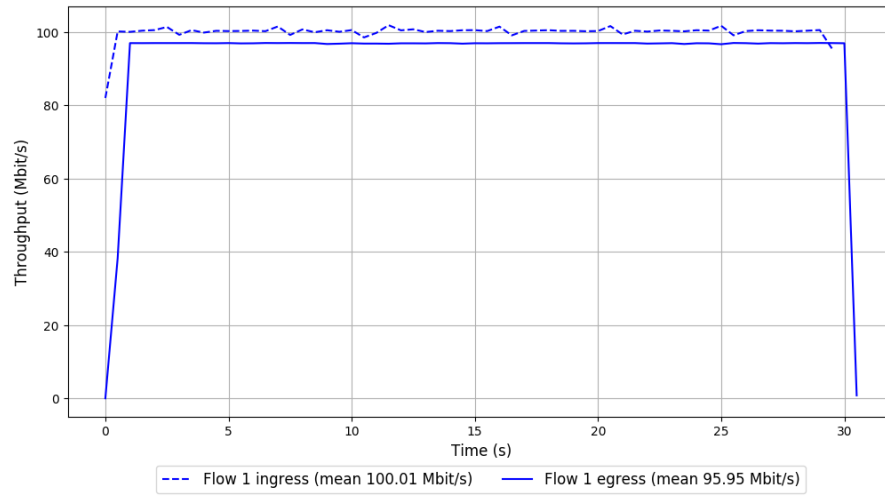


Run 10: Statistics of FillP

Start at: 2018-07-24 09:36:11
End at: 2018-07-24 09:36:41
Local clock offset: -4.321 ms
Remote clock offset: -2.068 ms

Below is generated by plot.py at 2018-07-24 10:02:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 29.623 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 29.623 ms
Loss rate: 3.97%

Run 10: Report of FillP — Data Link

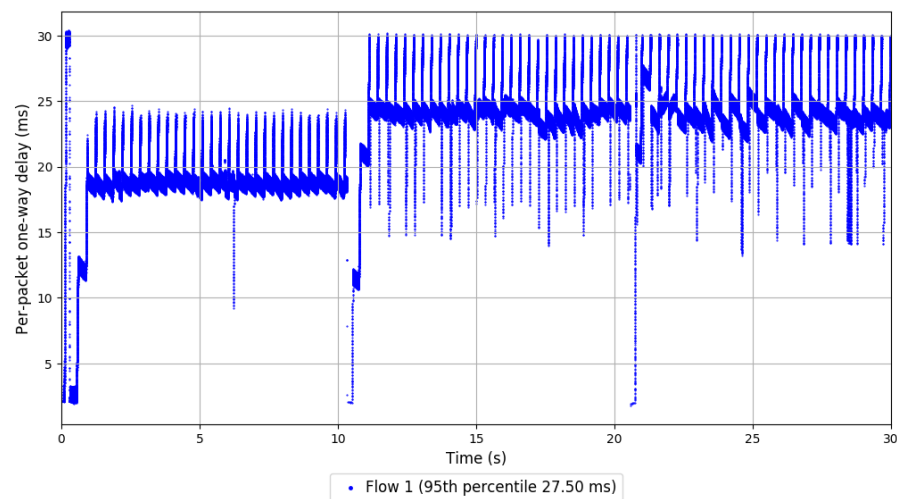
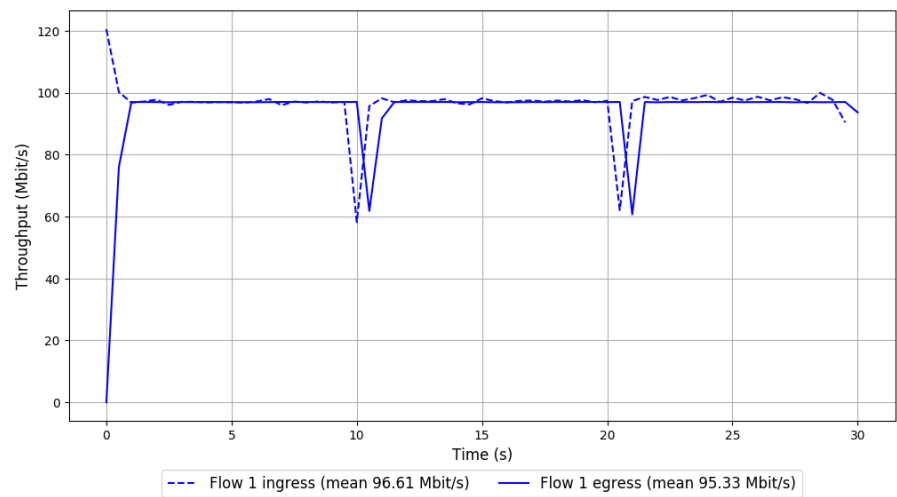


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 06:59:28
End at: 2018-07-24 06:59:58
Local clock offset: -17.643 ms
Remote clock offset: -2.096 ms

Below is generated by plot.py at 2018-07-24 10:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 27.500 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 27.500 ms
Loss rate: 1.23%

Run 1: Report of FillP-Sheep — Data Link

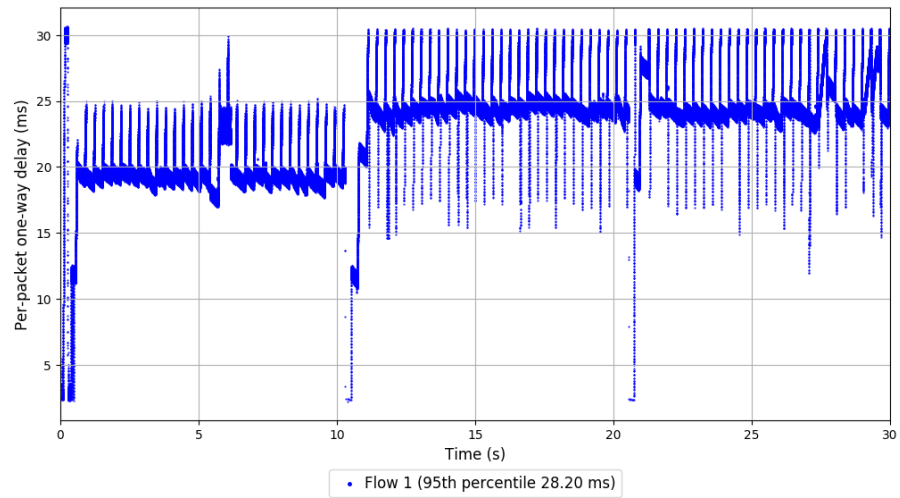
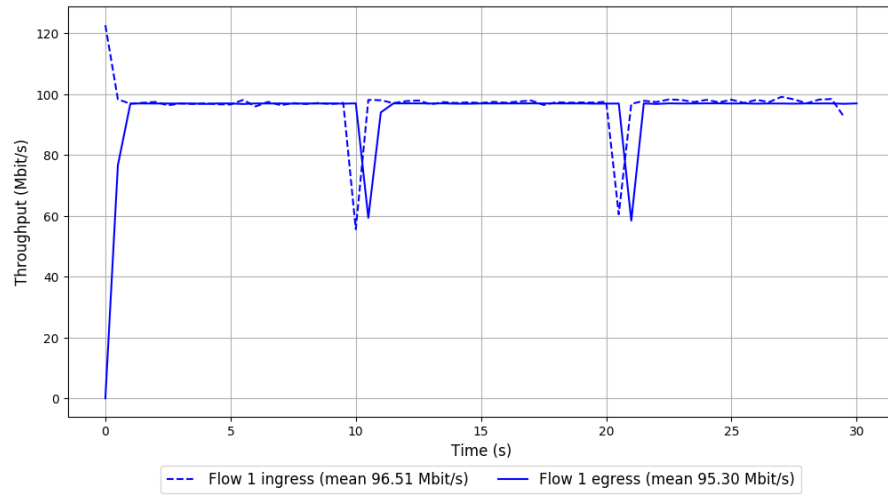


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 07:18:30
End at: 2018-07-24 07:19:01
Local clock offset: -10.039 ms
Remote clock offset: -1.94 ms

Below is generated by plot.py at 2018-07-24 10:02:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 28.198 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 28.198 ms
Loss rate: 1.18%

Run 2: Report of FillP-Sheep — Data Link

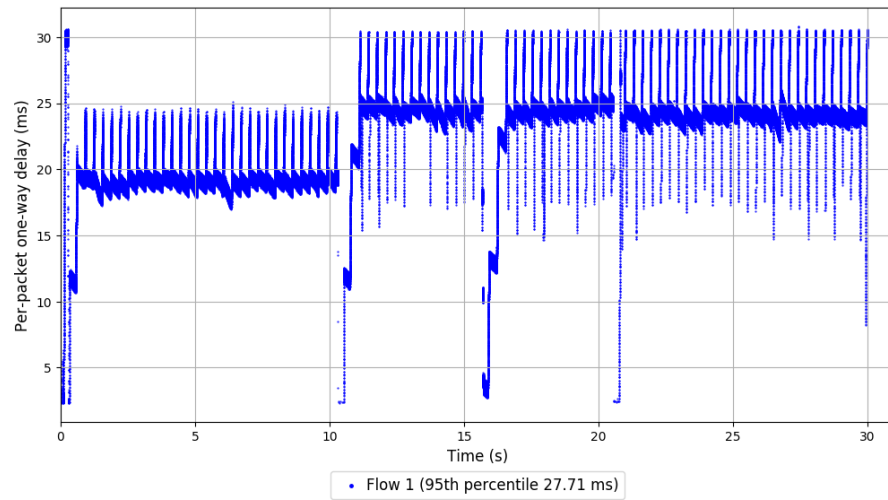
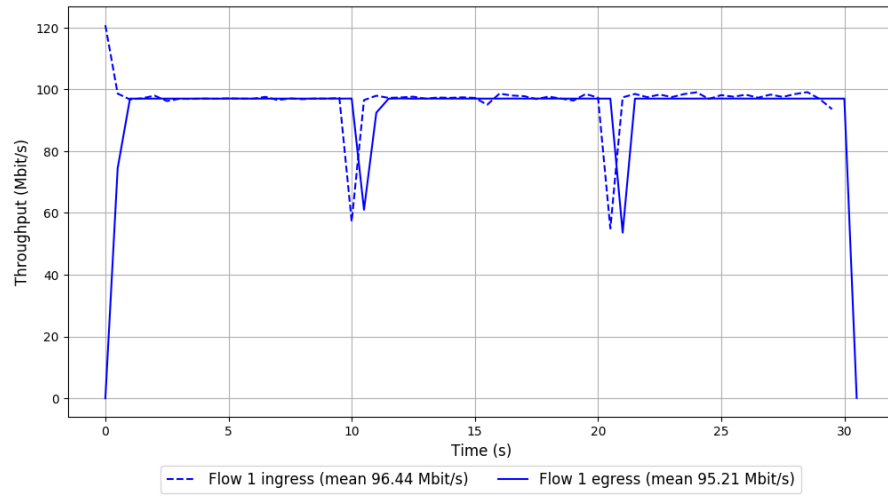


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 07:37:32
End at: 2018-07-24 07:38:02
Local clock offset: -10.9 ms
Remote clock offset: -5.951 ms

Below is generated by plot.py at 2018-07-24 10:02:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 27.712 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 27.712 ms
Loss rate: 1.19%

Run 3: Report of FillP-Sheep — Data Link

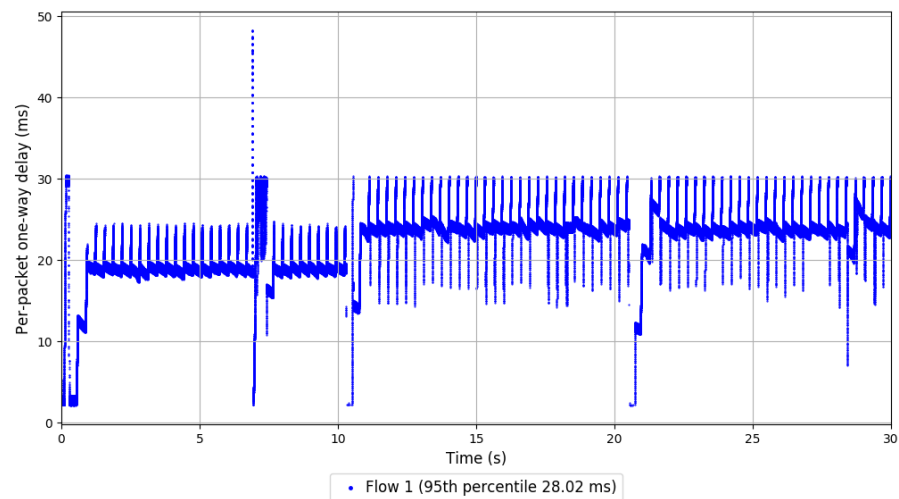
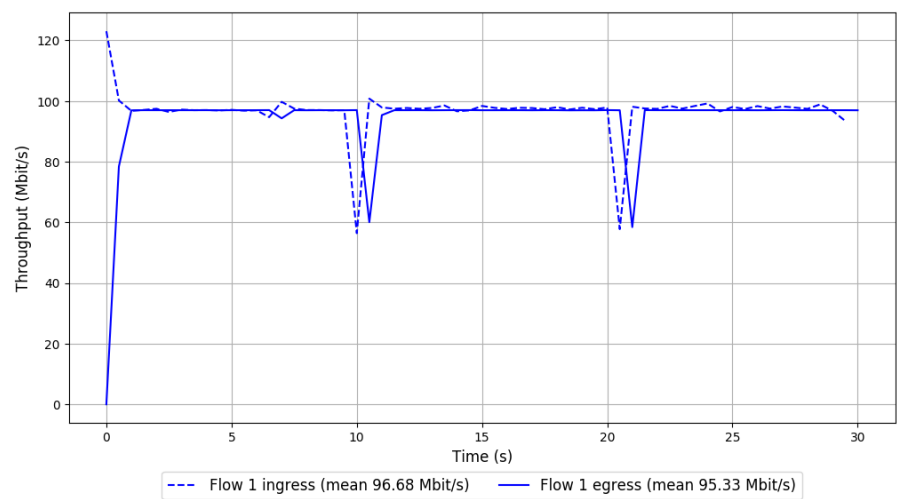


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 07:56:34
End at: 2018-07-24 07:57:04
Local clock offset: -12.705 ms
Remote clock offset: -8.067 ms

Below is generated by plot.py at 2018-07-24 10:02:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 28.019 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 28.019 ms
Loss rate: 1.31%

Run 4: Report of FillP-Sheep — Data Link

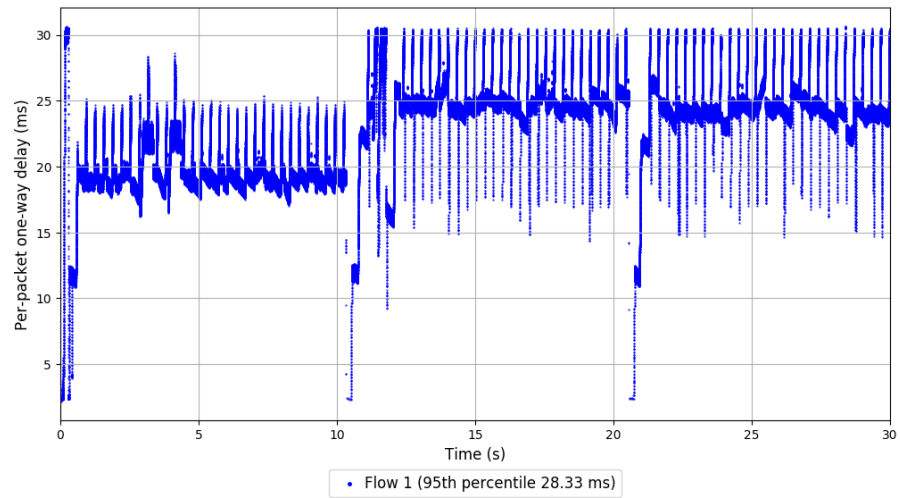
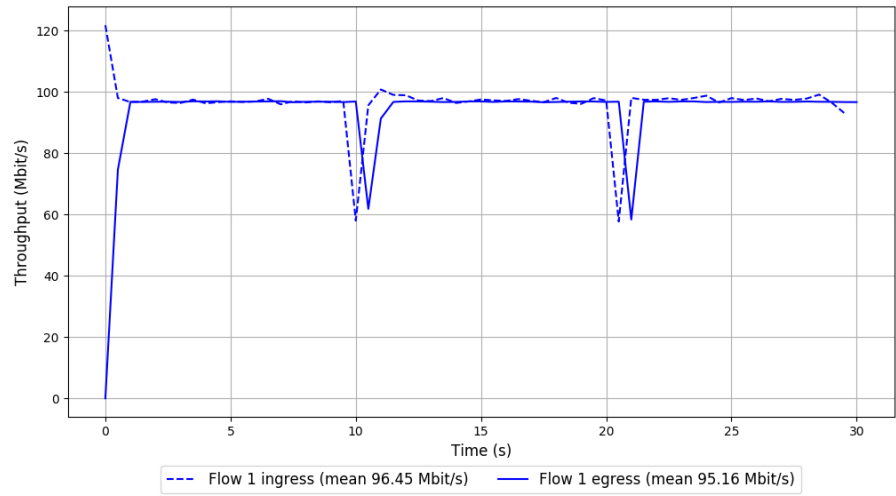


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 08:15:36
End at: 2018-07-24 08:16:06
Local clock offset: -5.591 ms
Remote clock offset: -2.636 ms

Below is generated by plot.py at 2018-07-24 10:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 28.326 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 28.326 ms
Loss rate: 1.27%

Run 5: Report of FillP-Sheep — Data Link

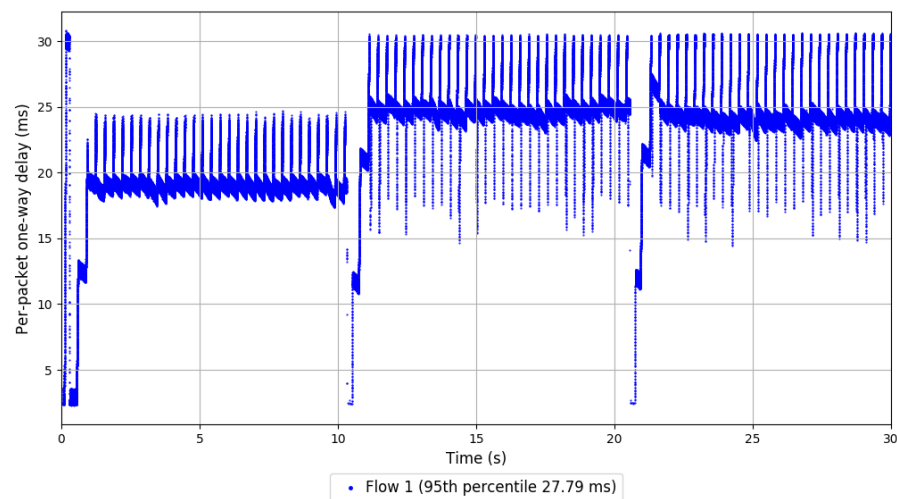
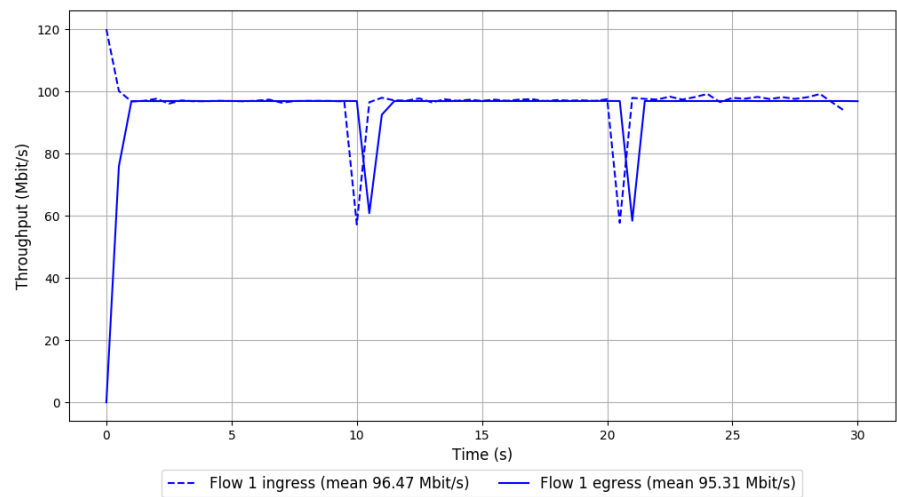


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 08:34:37
End at: 2018-07-24 08:35:07
Local clock offset: -3.977 ms
Remote clock offset: -0.975 ms

Below is generated by plot.py at 2018-07-24 10:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.785 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.785 ms
Loss rate: 1.13%

Run 6: Report of FillP-Sheep — Data Link

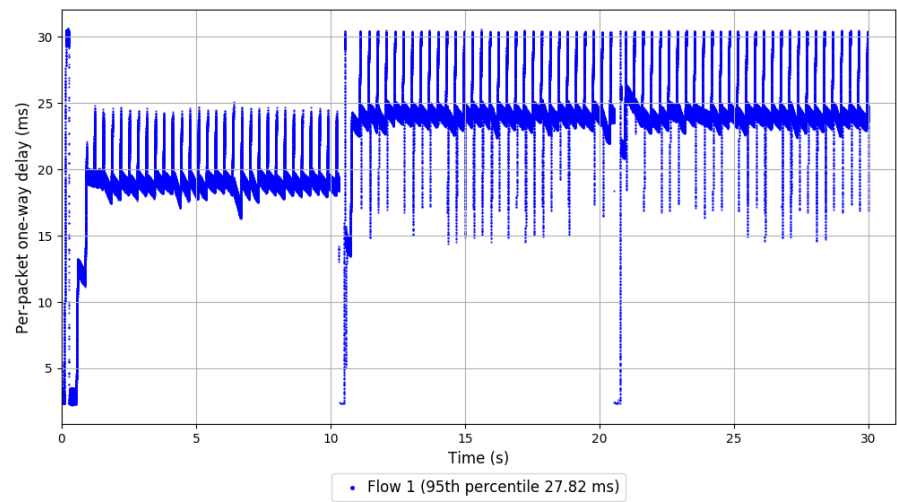
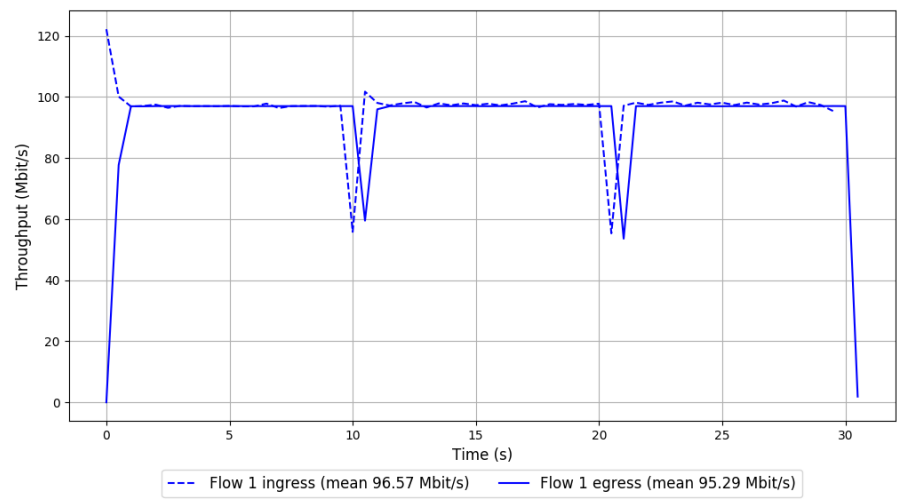


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 08:53:39
End at: 2018-07-24 08:54:09
Local clock offset: -2.659 ms
Remote clock offset: -0.709 ms

Below is generated by plot.py at 2018-07-24 10:03:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 27.824 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 27.824 ms
Loss rate: 1.26%

Run 7: Report of FillP-Sheep — Data Link

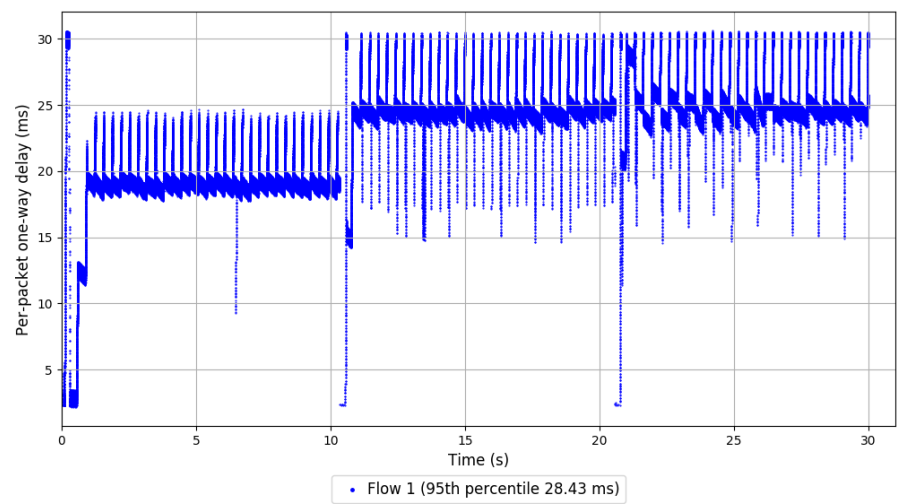
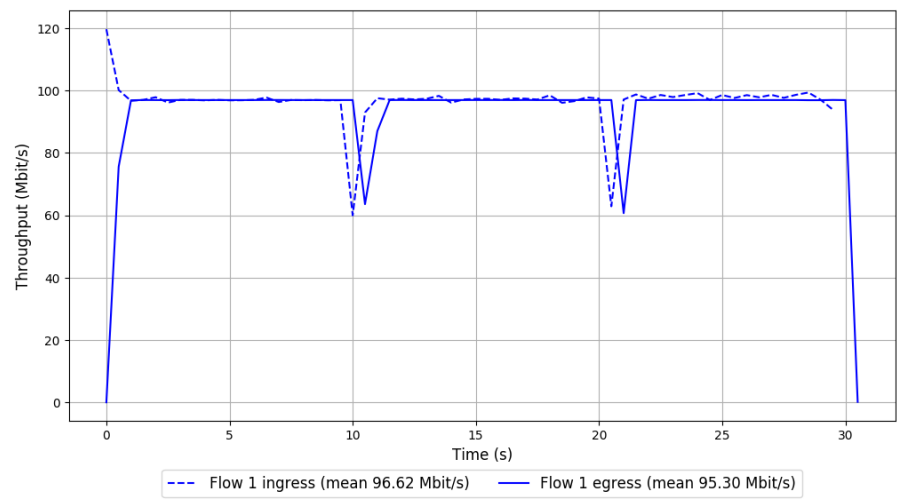


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 09:12:41
End at: 2018-07-24 09:13:11
Local clock offset: -2.126 ms
Remote clock offset: -1.034 ms

Below is generated by plot.py at 2018-07-24 10:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 28.430 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 28.430 ms
Loss rate: 1.29%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 09:31:43

End at: 2018-07-24 09:32:13

Local clock offset: -2.038 ms

Remote clock offset: -2.014 ms

Below is generated by plot.py at 2018-07-24 10:04:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 27.460 ms

Loss rate: 1.18%

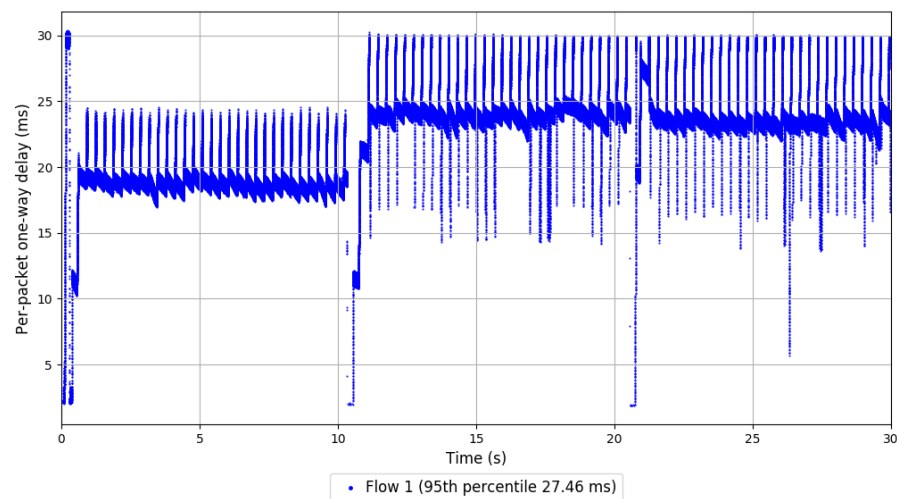
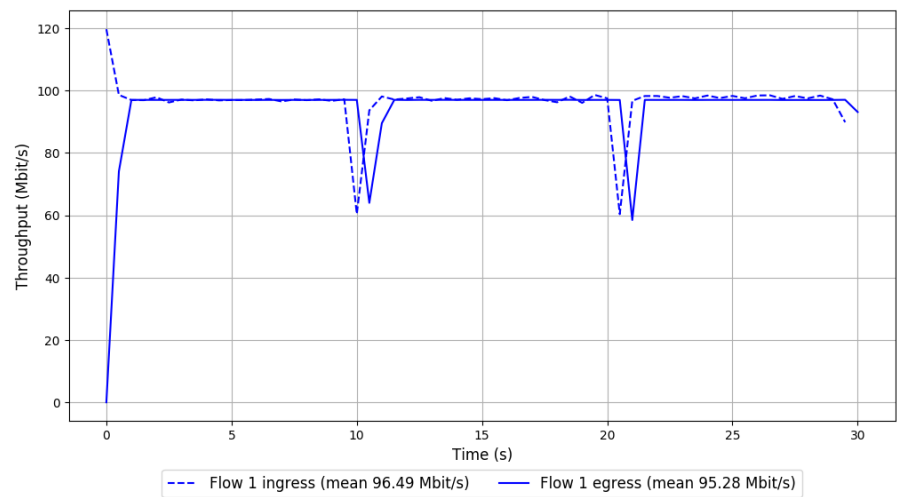
-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 27.460 ms

Loss rate: 1.18%

Run 9: Report of FillP-Sheep — Data Link

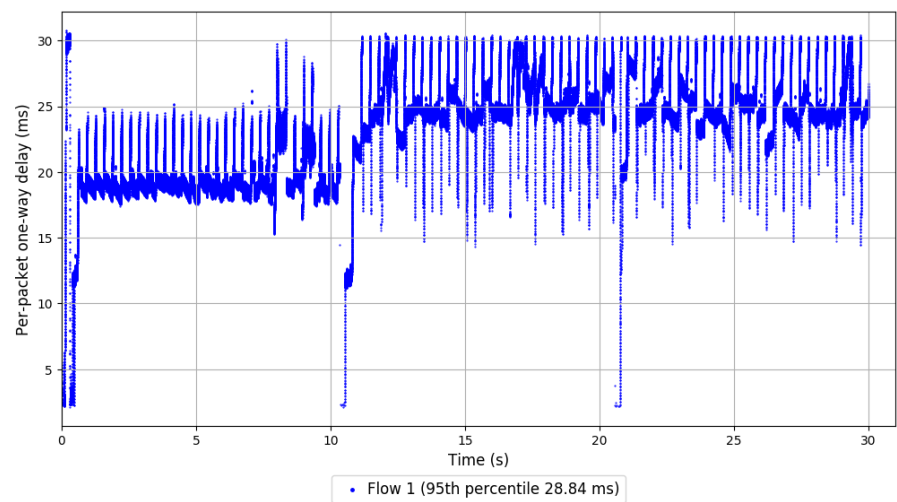
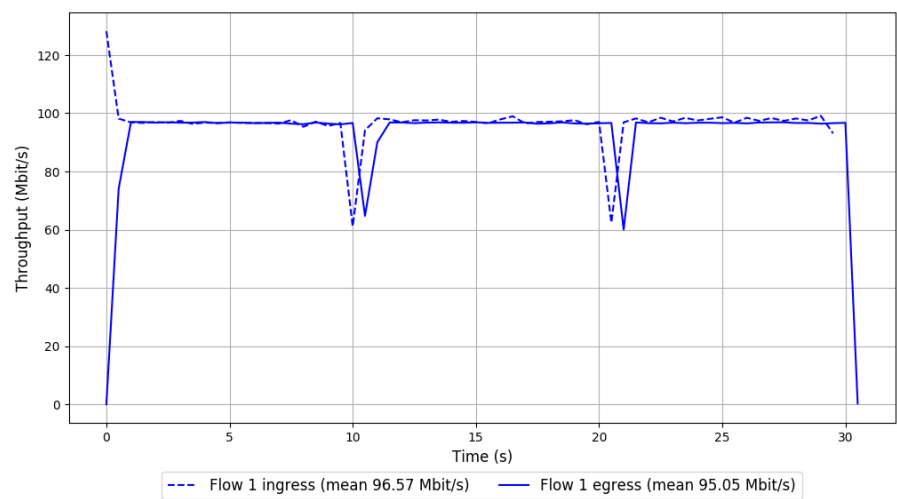


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 09:50:45
End at: 2018-07-24 09:51:15
Local clock offset: -7.792 ms
Remote clock offset: -2.049 ms

Below is generated by plot.py at 2018-07-24 10:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 28.844 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 28.844 ms
Loss rate: 1.49%

Run 10: Report of FillP-Sheep — Data Link

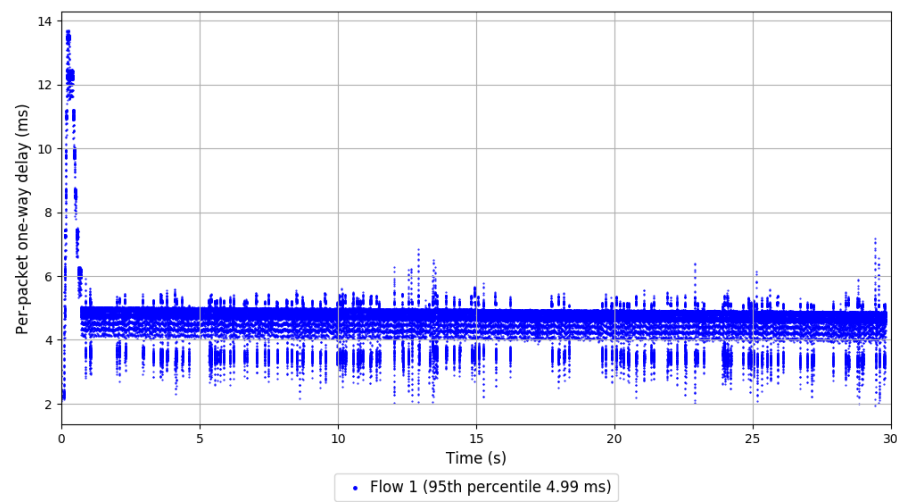
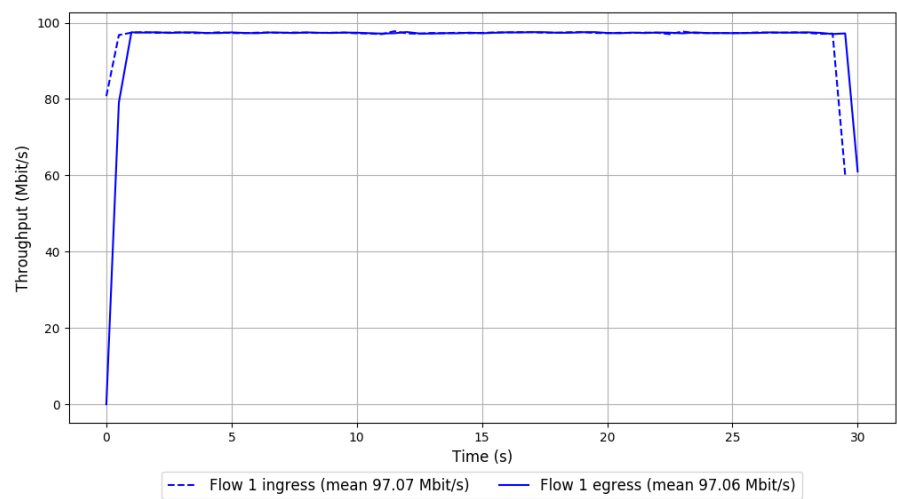


Run 1: Statistics of Indigo

Start at: 2018-07-24 06:54:58
End at: 2018-07-24 06:55:28
Local clock offset: -16.023 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-07-24 10:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 4.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 4.988 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

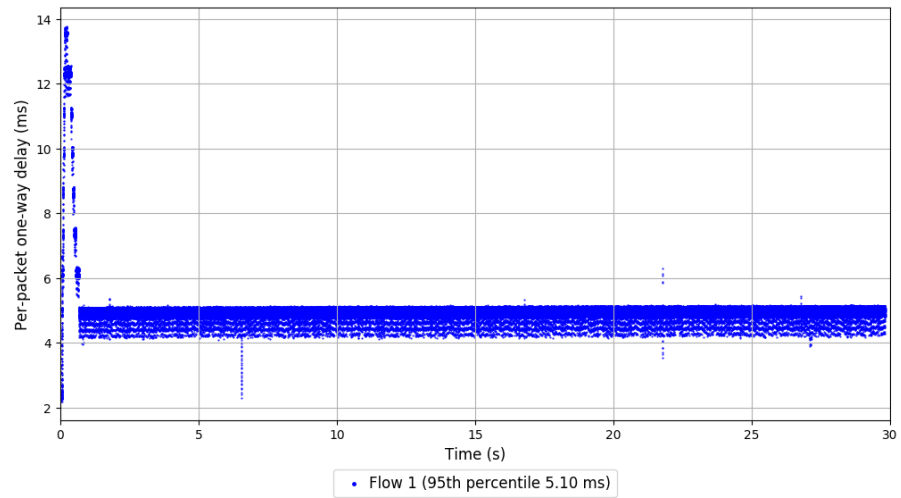
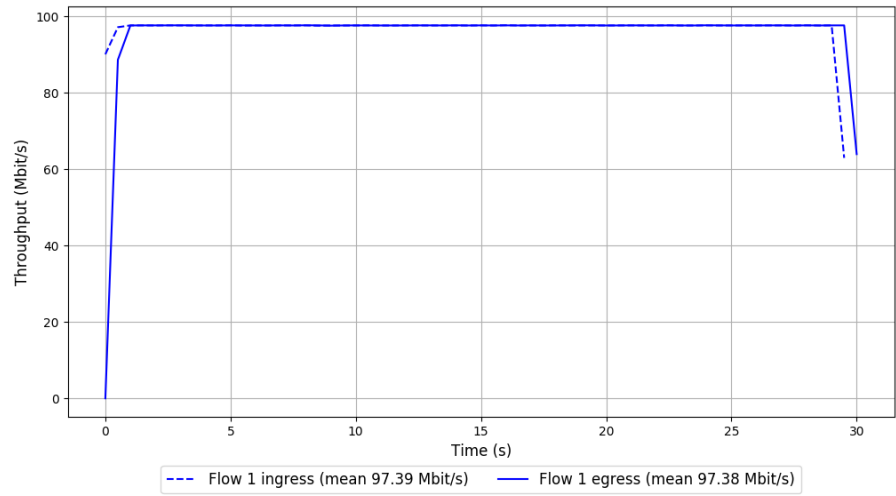


Run 2: Statistics of Indigo

Start at: 2018-07-24 07:14:00
End at: 2018-07-24 07:14:30
Local clock offset: -10.167 ms
Remote clock offset: -2.116 ms

Below is generated by plot.py at 2018-07-24 10:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.103 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

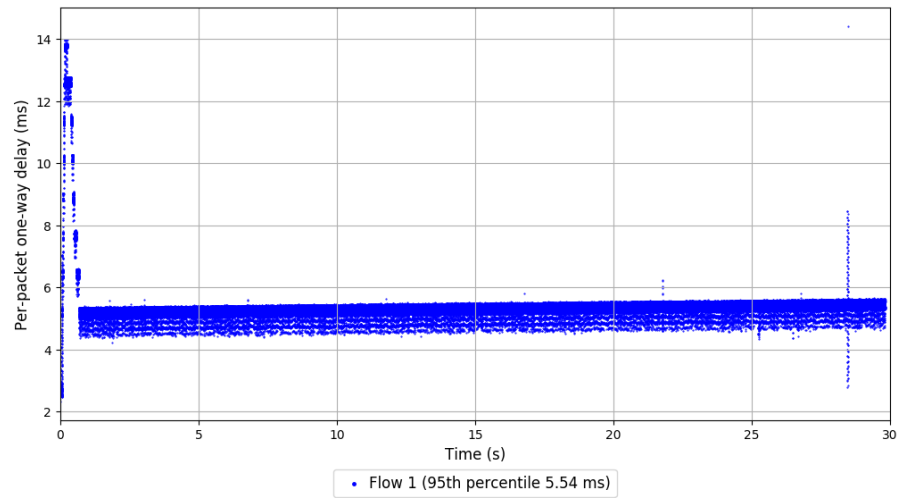
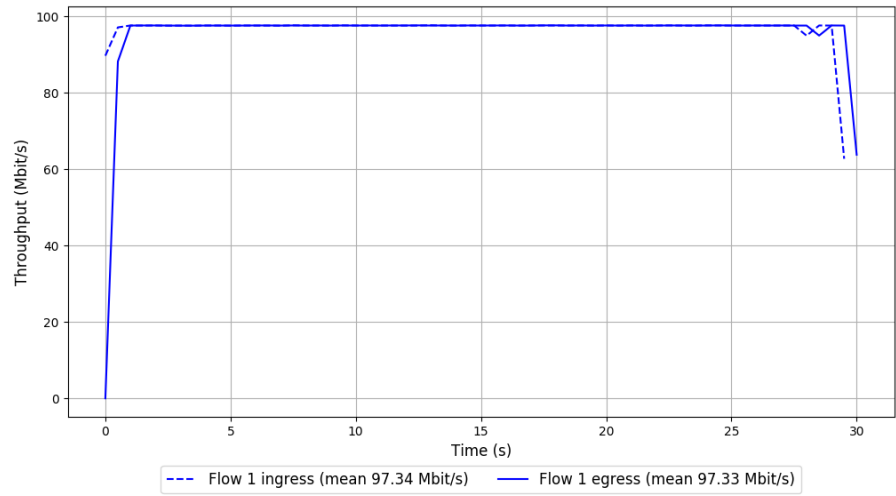


Run 3: Statistics of Indigo

Start at: 2018-07-24 07:33:02
End at: 2018-07-24 07:33:32
Local clock offset: -11.849 ms
Remote clock offset: -4.869 ms

Below is generated by plot.py at 2018-07-24 10:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.535 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

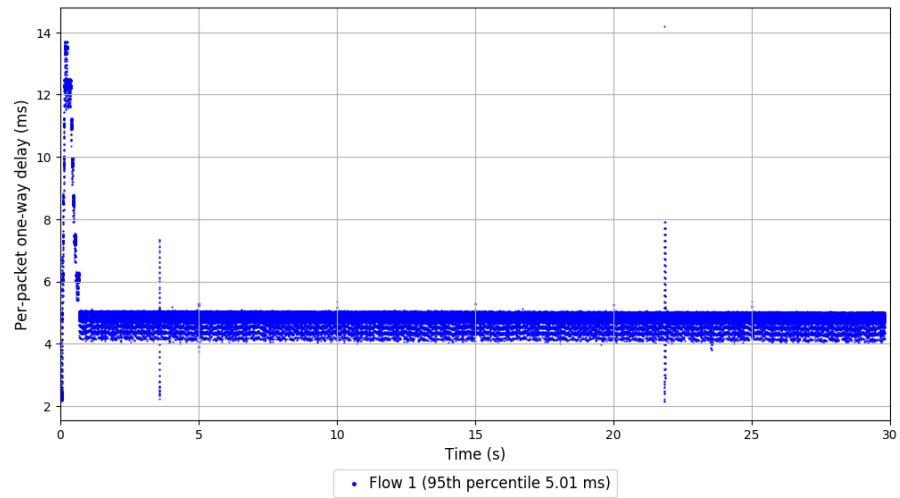
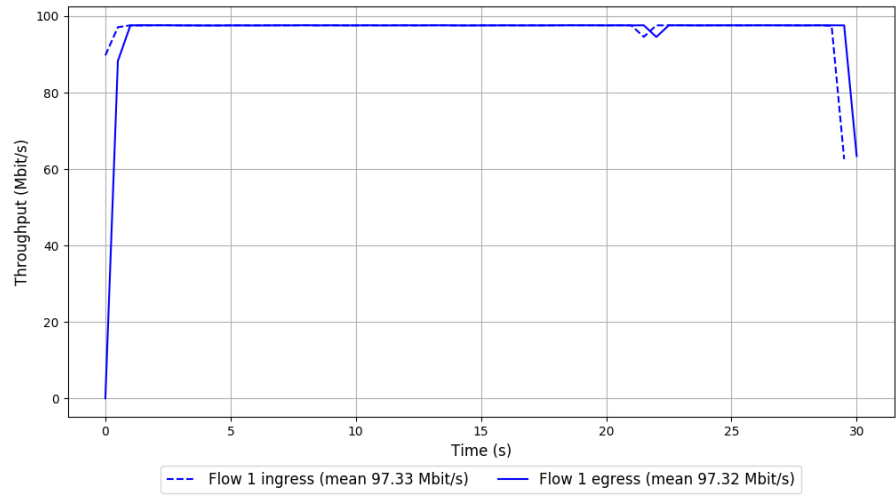


Run 4: Statistics of Indigo

Start at: 2018-07-24 07:52:03
End at: 2018-07-24 07:52:33
Local clock offset: -11.891 ms
Remote clock offset: -7.73 ms

Below is generated by plot.py at 2018-07-24 10:04:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.012 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

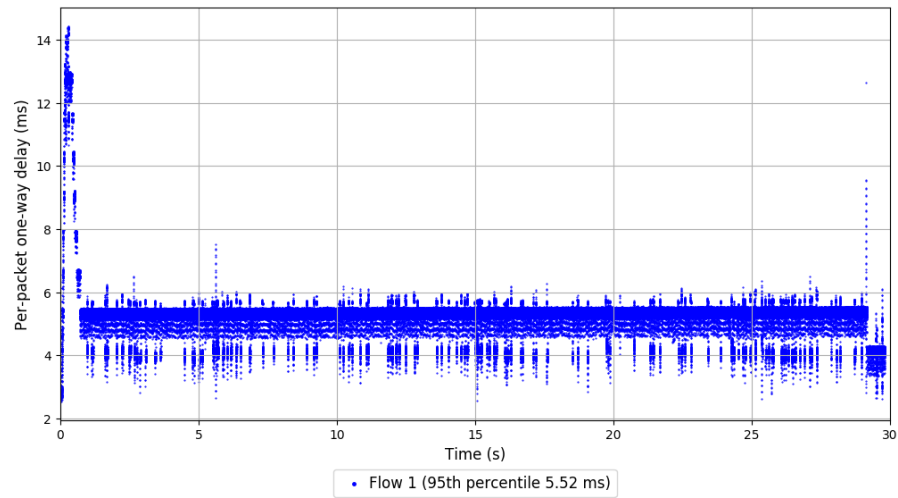
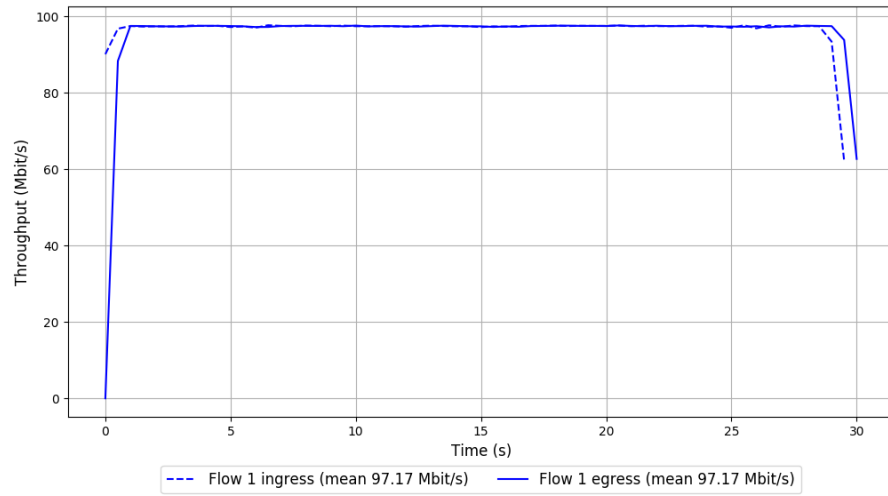


Run 5: Statistics of Indigo

Start at: 2018-07-24 08:11:05
End at: 2018-07-24 08:11:35
Local clock offset: -7.035 ms
Remote clock offset: -3.497 ms

Below is generated by plot.py at 2018-07-24 10:05:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 5.521 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-24 08:30:07

End at: 2018-07-24 08:30:37

Local clock offset: -4.73 ms

Remote clock offset: -1.219 ms

Below is generated by plot.py at 2018-07-24 10:05:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.151 ms

Loss rate: 0.00%

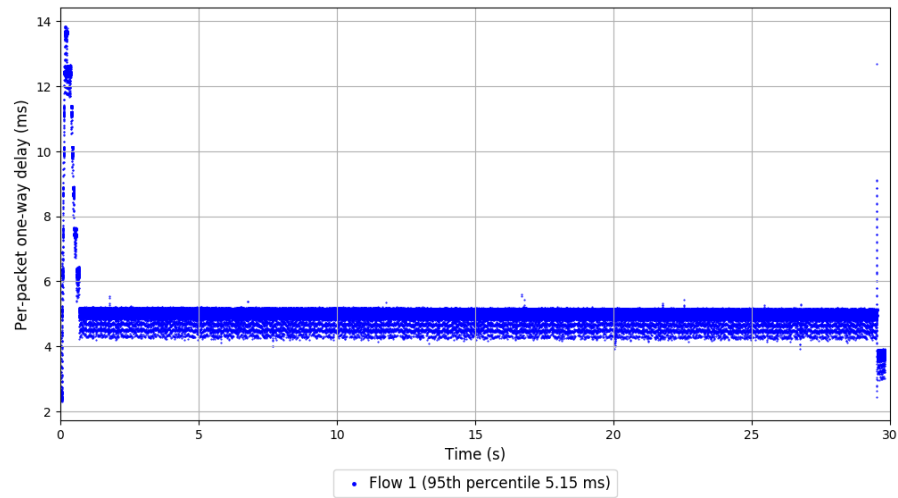
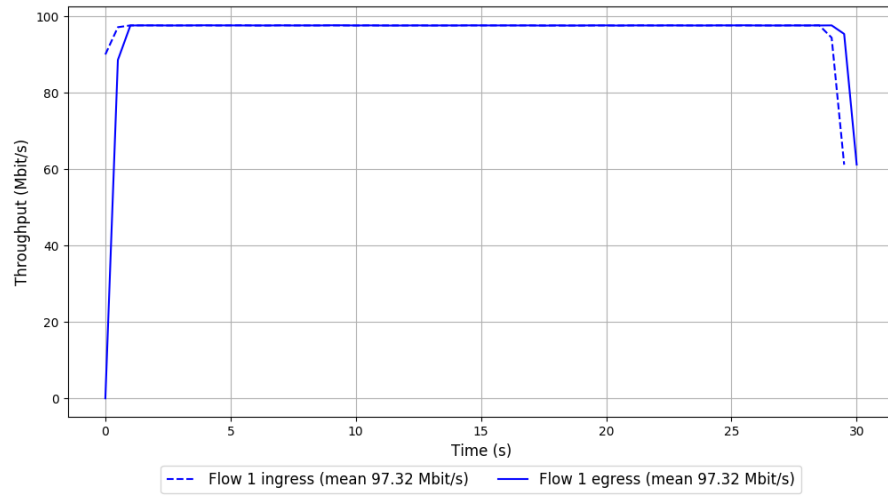
-- Flow 1:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.151 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

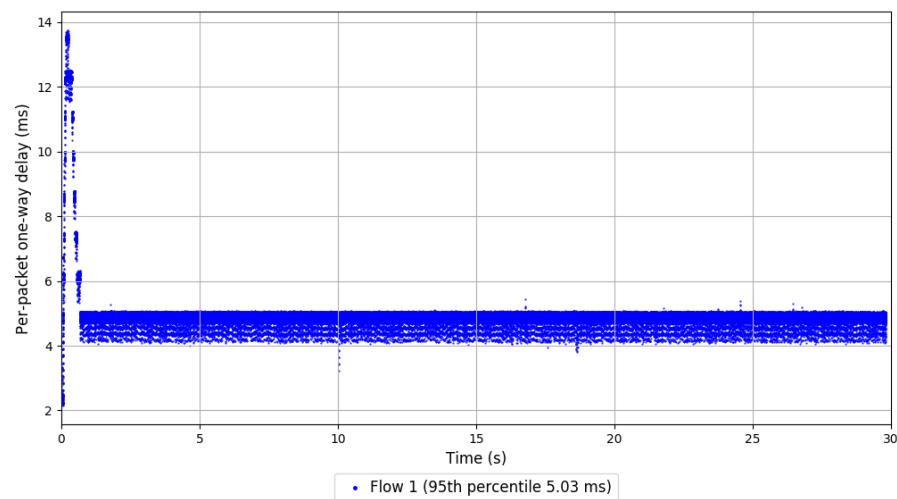
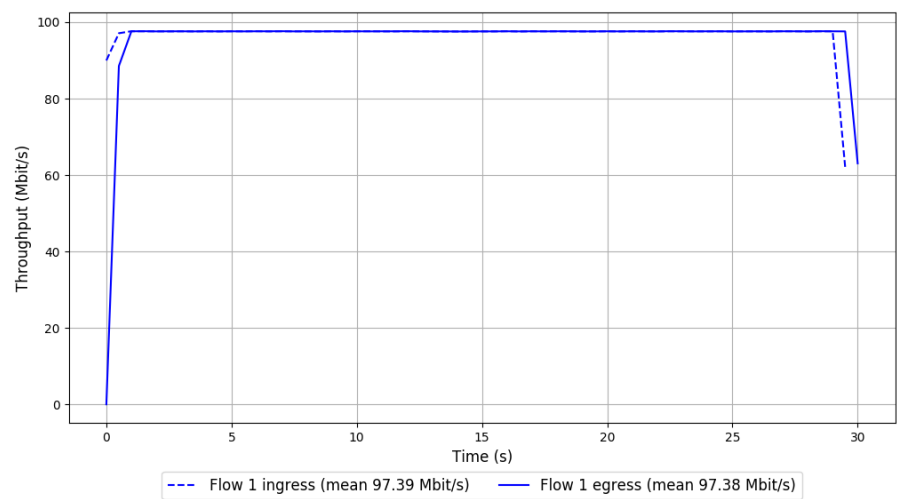


Run 7: Statistics of Indigo

Start at: 2018-07-24 08:49:08
End at: 2018-07-24 08:49:38
Local clock offset: -2.69 ms
Remote clock offset: -0.967 ms

Below is generated by plot.py at 2018-07-24 10:05:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

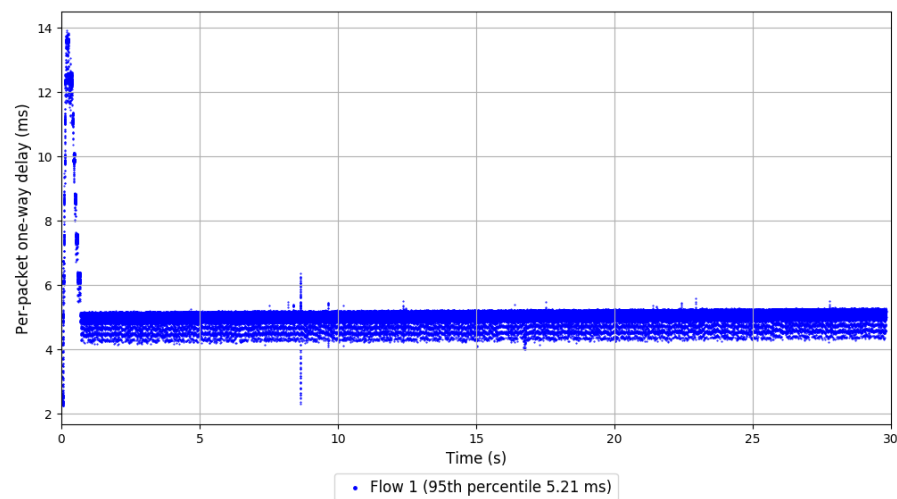
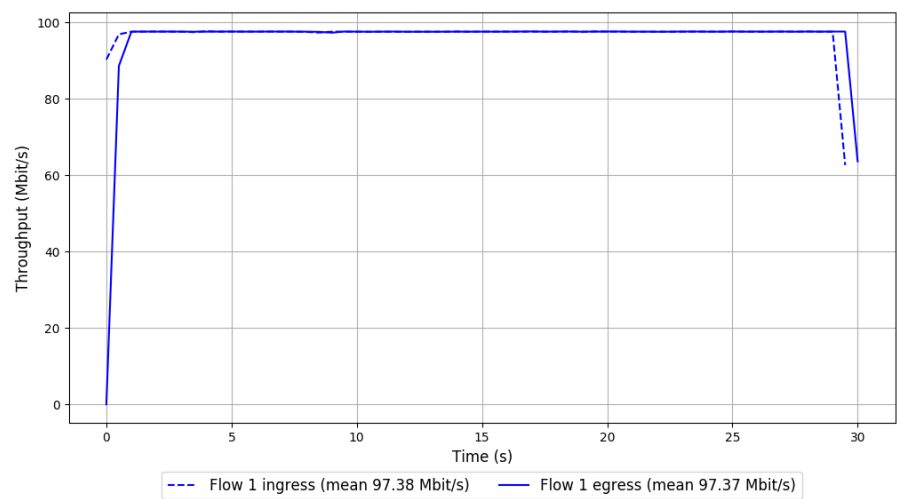


Run 8: Statistics of Indigo

Start at: 2018-07-24 09:08:10
End at: 2018-07-24 09:08:40
Local clock offset: -2.267 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-07-24 10:05:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.207 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

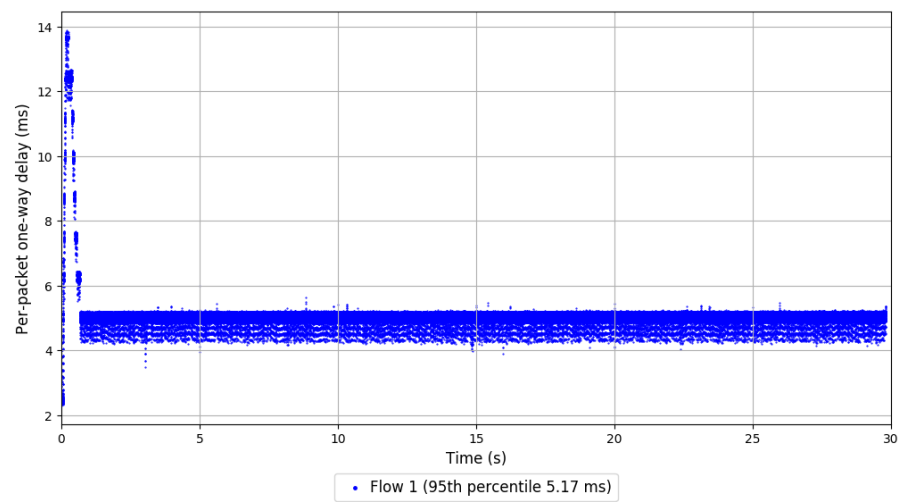
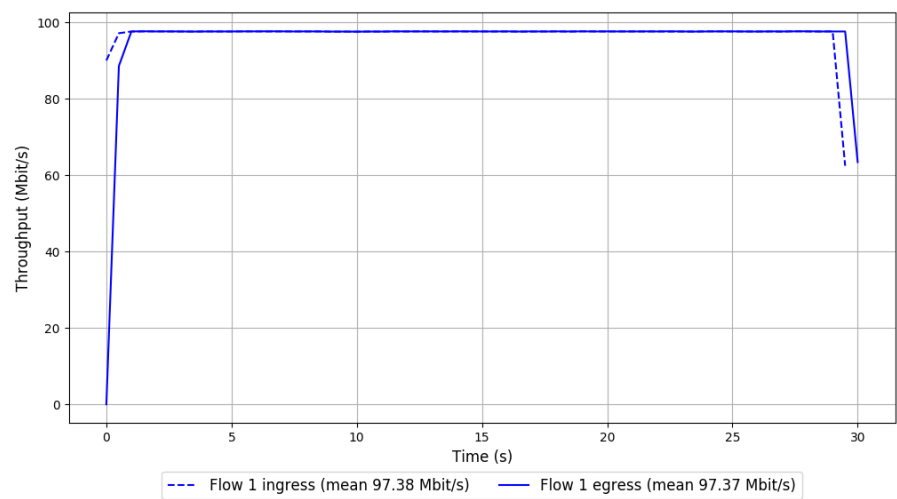


Run 9: Statistics of Indigo

Start at: 2018-07-24 09:27:12
End at: 2018-07-24 09:27:42
Local clock offset: -2.085 ms
Remote clock offset: -1.917 ms

Below is generated by plot.py at 2018-07-24 10:05:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 5.175 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-24 09:46:14

End at: 2018-07-24 09:46:44

Local clock offset: -7.171 ms

Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-07-24 10:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 5.154 ms

Loss rate: 0.00%

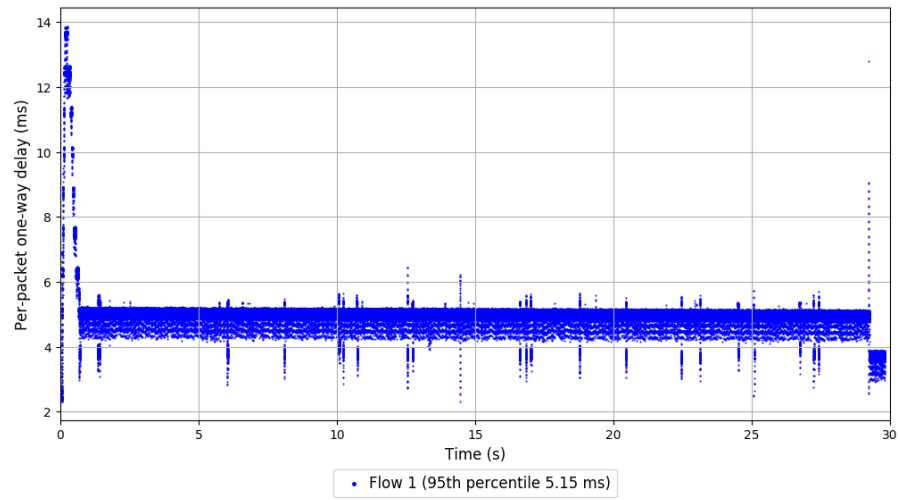
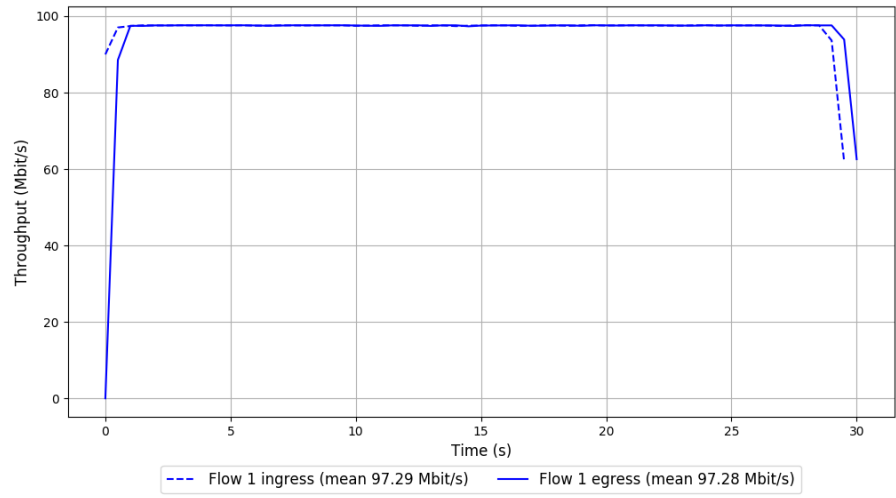
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 5.154 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

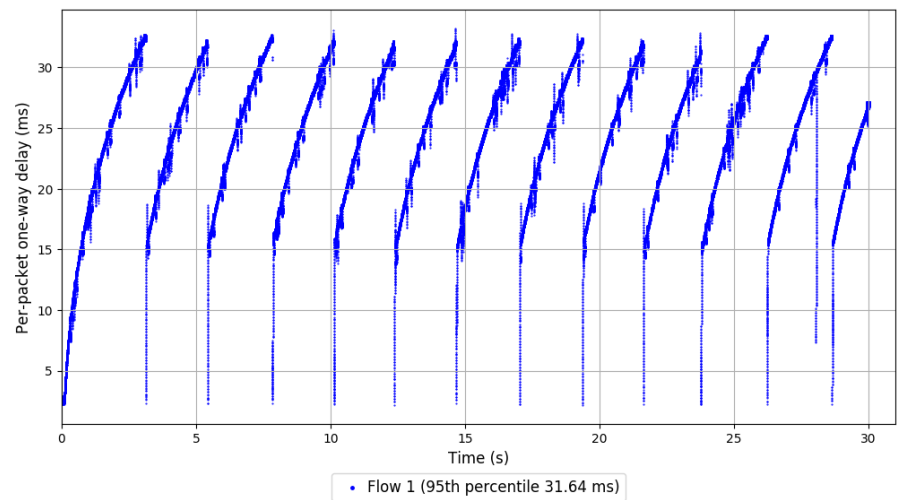
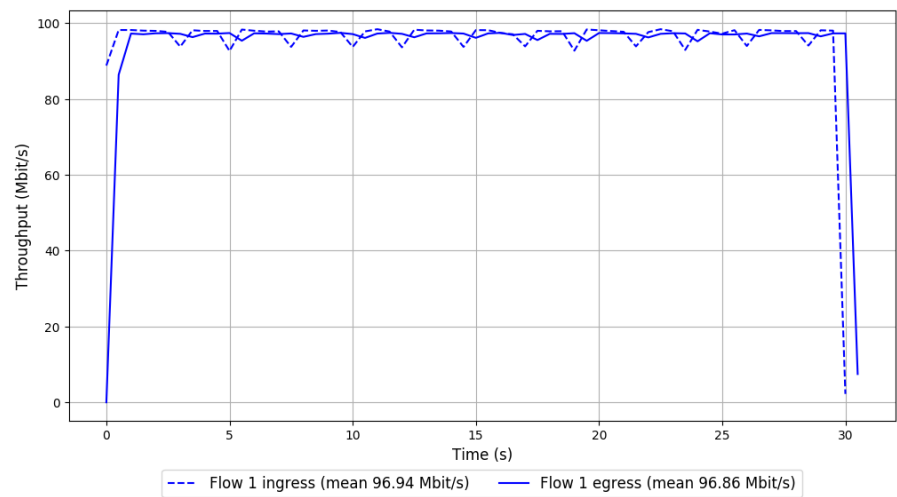


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 06:49:25
End at: 2018-07-24 06:49:55
Local clock offset: -14.981 ms
Remote clock offset: -2.057 ms

# Below is generated by plot.py at 2018-07-24 10:05:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 31.641 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 31.641 ms
Loss rate: 0.01%
```


Run 1: Report of LEDBAT — Data Link

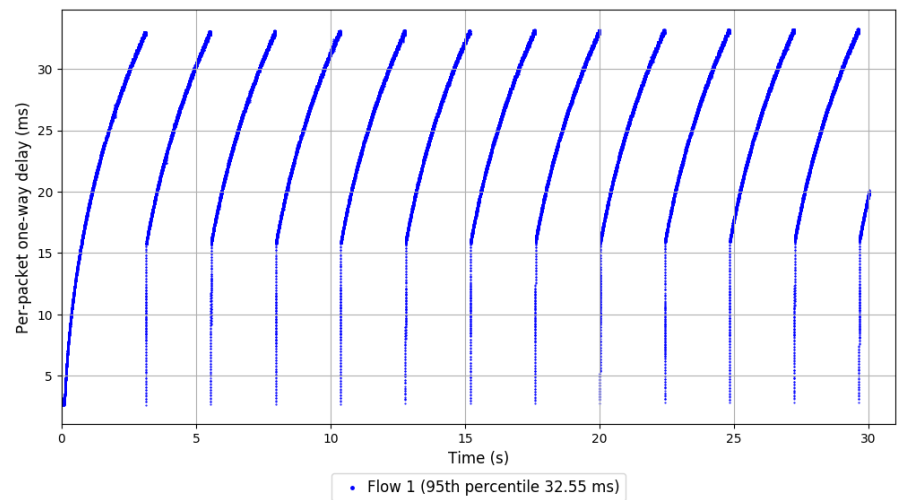
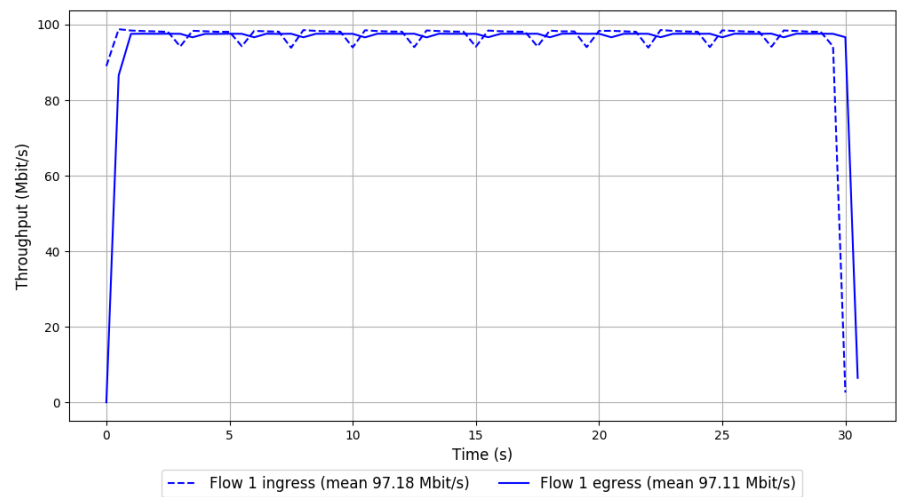


Run 2: Statistics of LEDBAT

Start at: 2018-07-24 07:08:26
End at: 2018-07-24 07:08:57
Local clock offset: -12.12 ms
Remote clock offset: -2.036 ms

Below is generated by plot.py at 2018-07-24 10:05:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.545 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.545 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

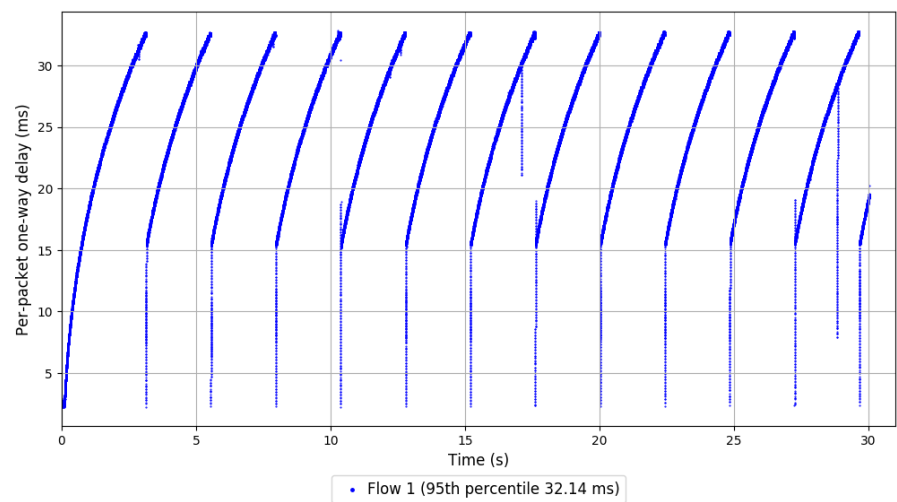
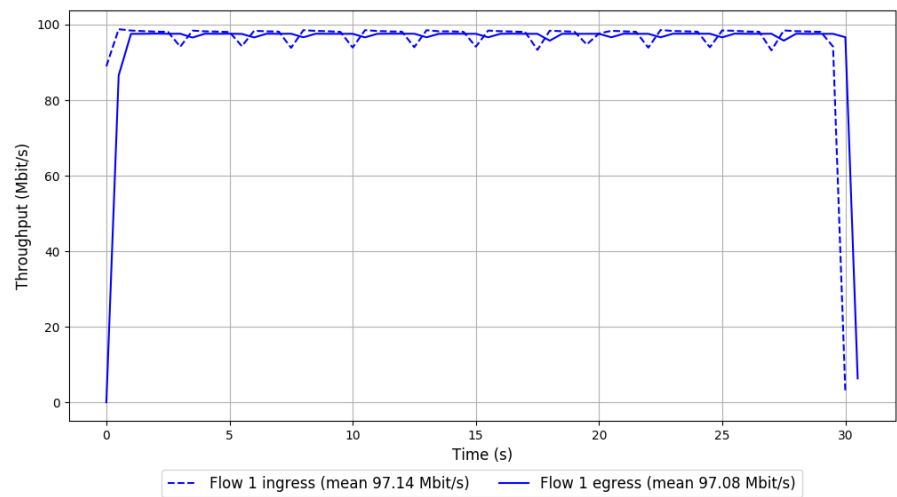


Run 3: Statistics of LEDBAT

Start at: 2018-07-24 07:27:28
End at: 2018-07-24 07:27:58
Local clock offset: -11.254 ms
Remote clock offset: -2.828 ms

Below is generated by plot.py at 2018-07-24 10:06:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.144 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.144 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

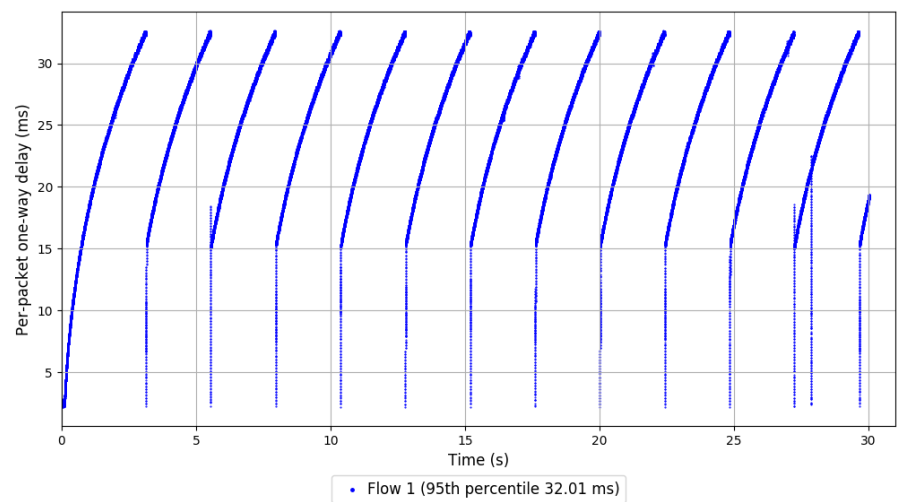
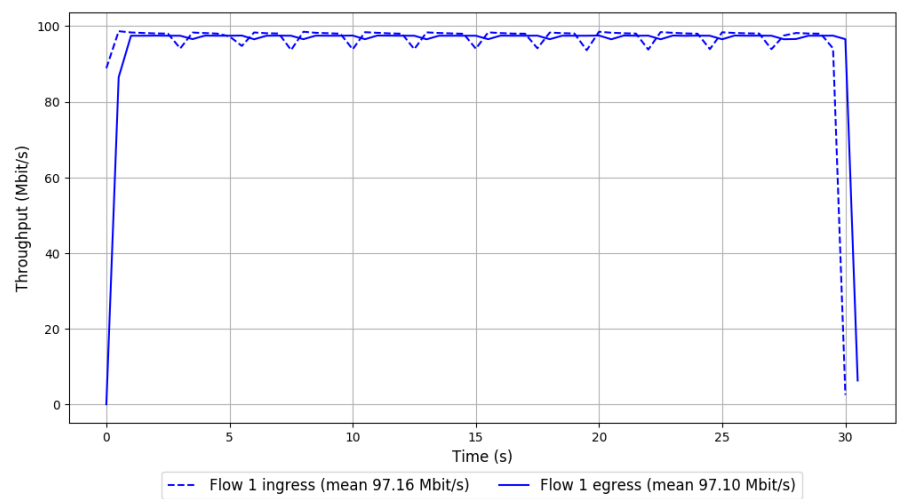


Run 4: Statistics of LEDBAT

Start at: 2018-07-24 07:46:30
End at: 2018-07-24 07:47:00
Local clock offset: -11.069 ms
Remote clock offset: -7.203 ms

Below is generated by plot.py at 2018-07-24 10:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.012 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.012 ms
Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

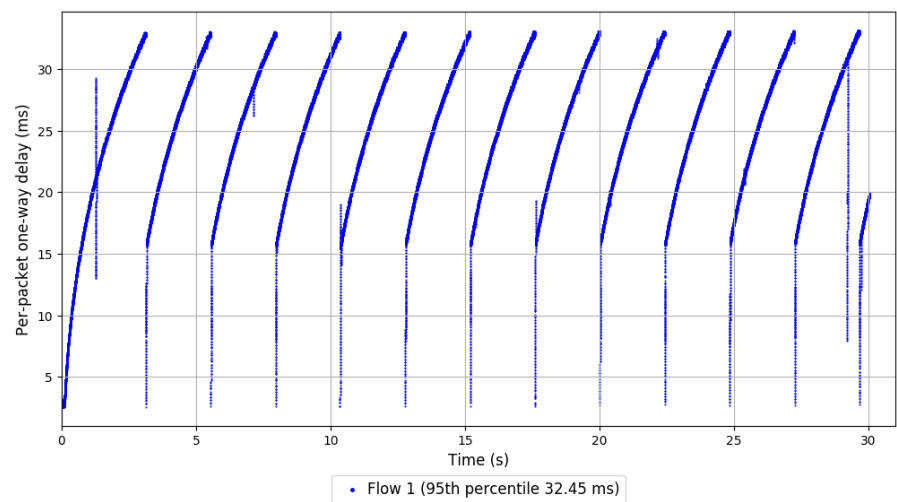
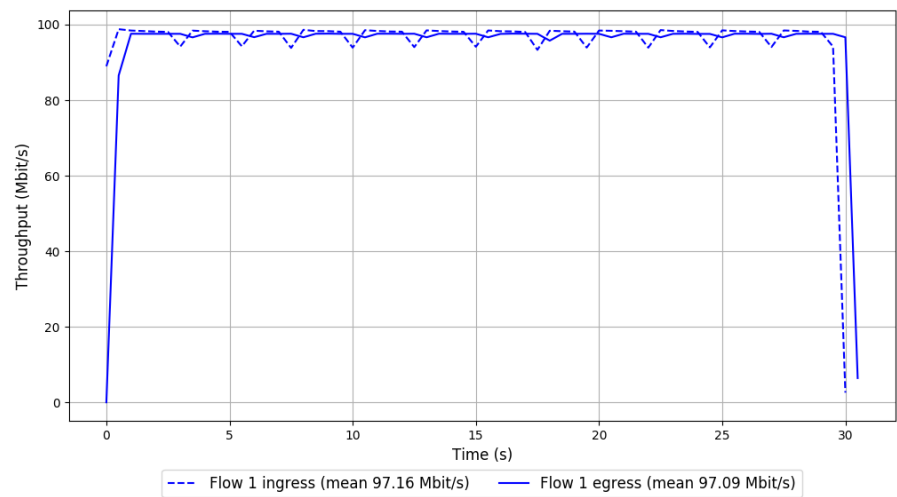


Run 5: Statistics of LEDBAT

Start at: 2018-07-24 08:05:32
End at: 2018-07-24 08:06:02
Local clock offset: -10.108 ms
Remote clock offset: -5.344 ms

Below is generated by plot.py at 2018-07-24 10:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.449 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.449 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-24 08:24:34

End at: 2018-07-24 08:25:04

Local clock offset: -4.7 ms

Remote clock offset: -1.645 ms

Below is generated by plot.py at 2018-07-24 10:06:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 31.855 ms

Loss rate: 0.01%

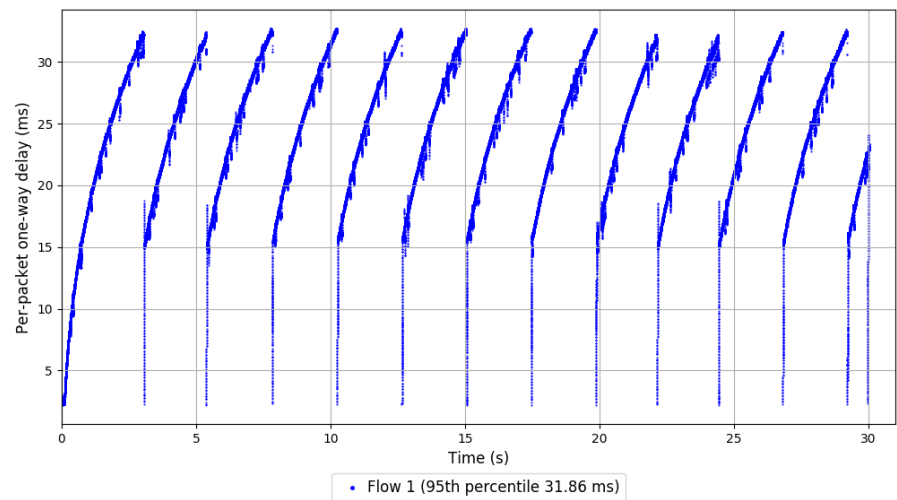
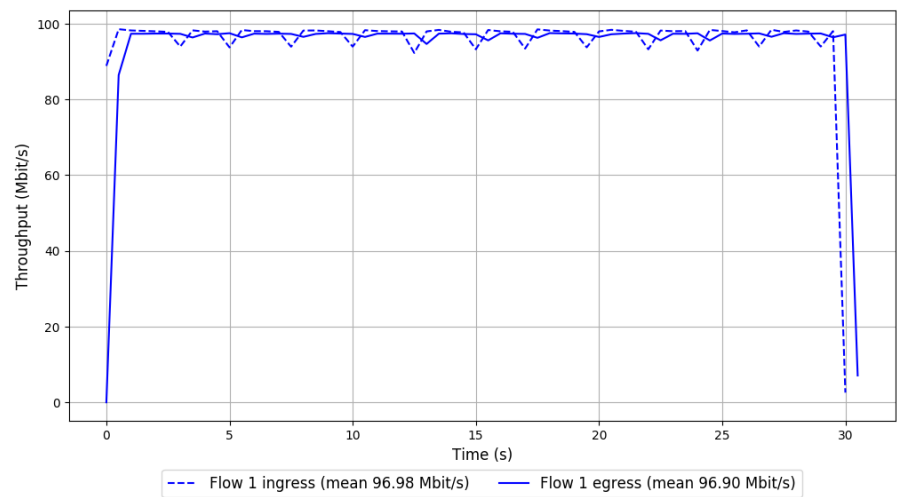
-- Flow 1:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 31.855 ms

Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

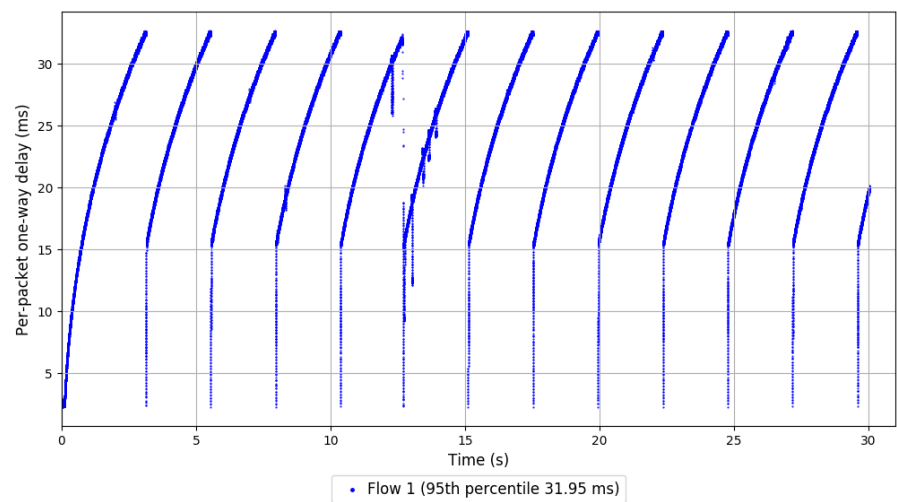
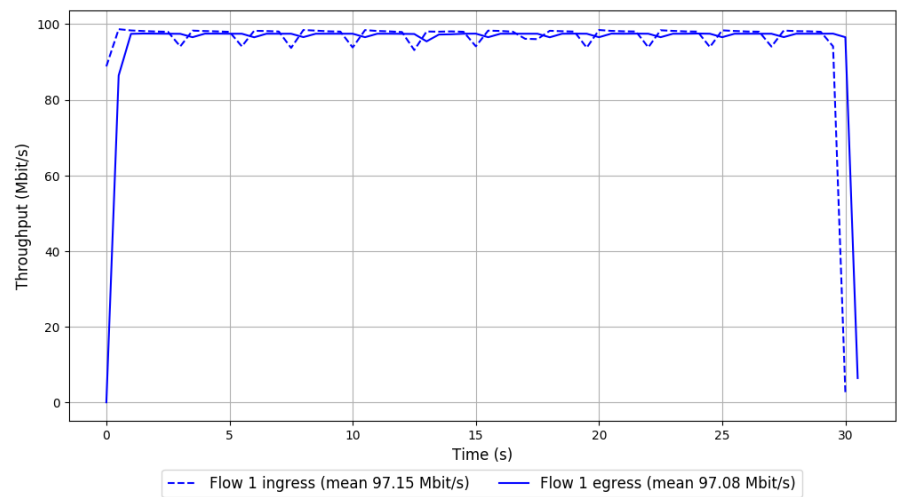


Run 7: Statistics of LEDBAT

Start at: 2018-07-24 08:43:35
End at: 2018-07-24 08:44:05
Local clock offset: -2.95 ms
Remote clock offset: -1.061 ms

Below is generated by plot.py at 2018-07-24 10:06:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 31.949 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 31.949 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

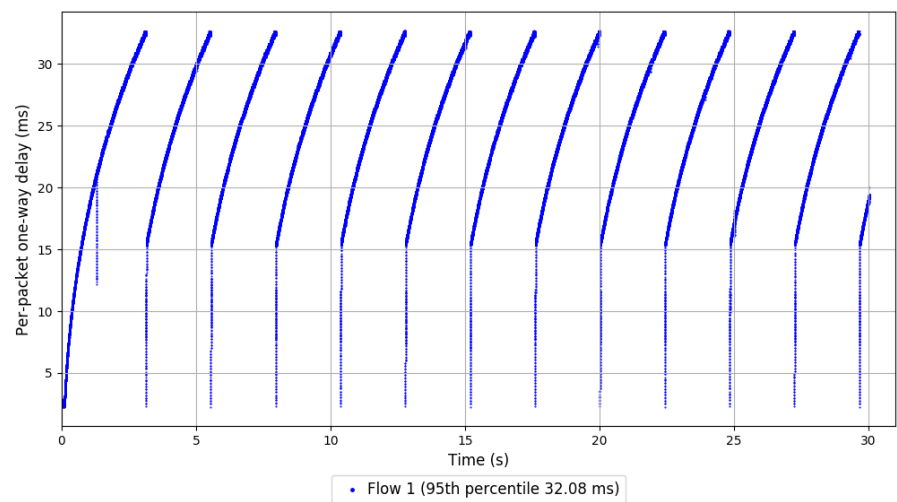
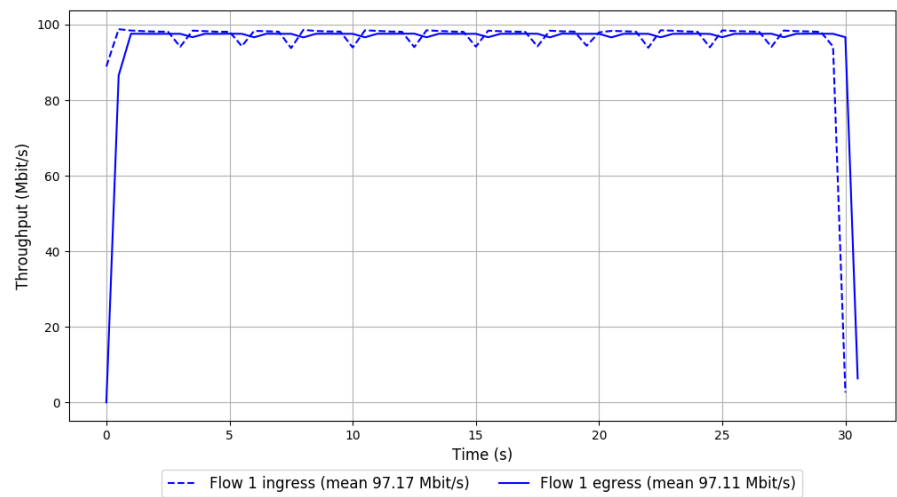


Run 8: Statistics of LEDBAT

Start at: 2018-07-24 09:02:37
End at: 2018-07-24 09:03:07
Local clock offset: -2.63 ms
Remote clock offset: -0.557 ms

Below is generated by plot.py at 2018-07-24 10:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.084 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.084 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-24 09:21:39

End at: 2018-07-24 09:22:09

Local clock offset: -2.02 ms

Remote clock offset: -1.69 ms

Below is generated by plot.py at 2018-07-24 10:06:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.135 ms

Loss rate: 0.01%

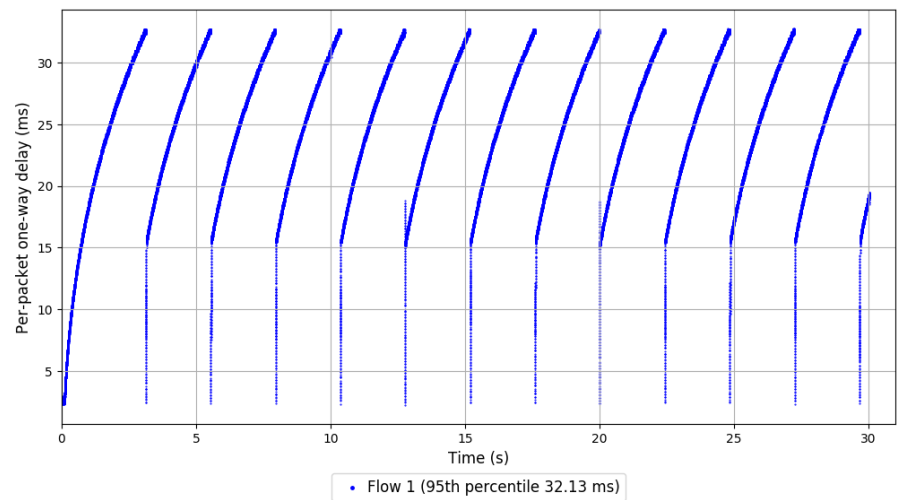
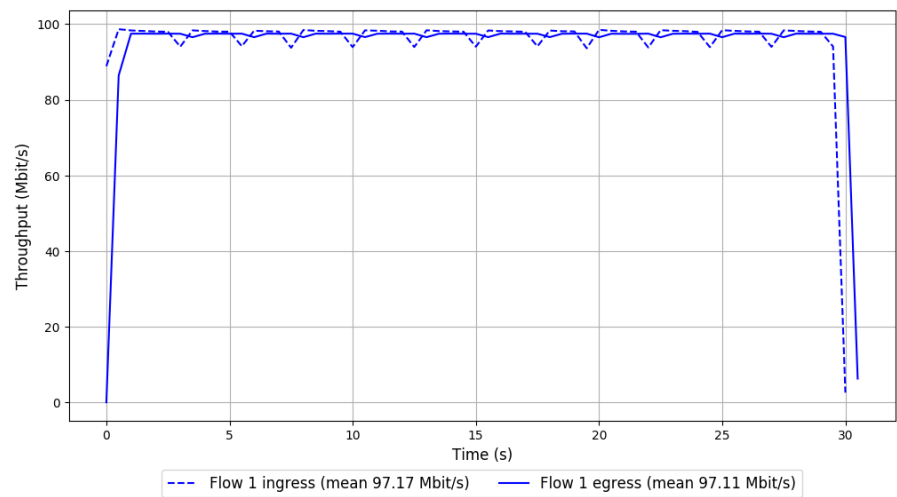
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 32.135 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

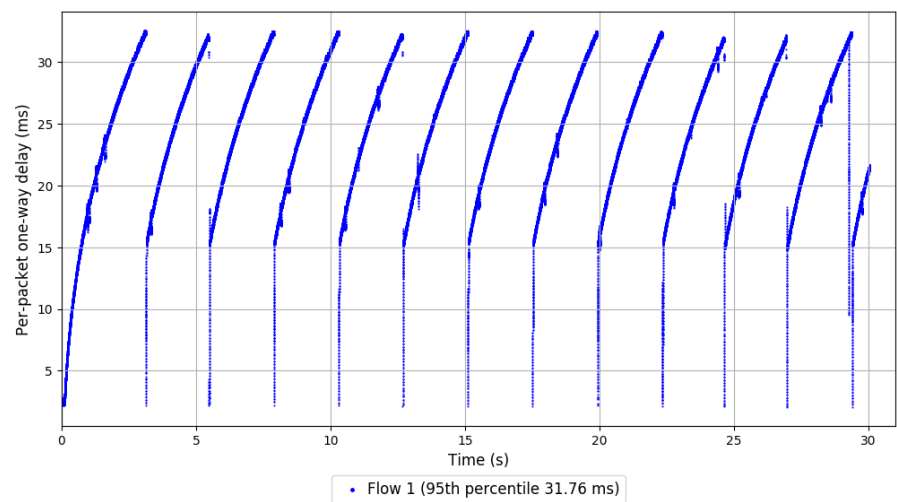
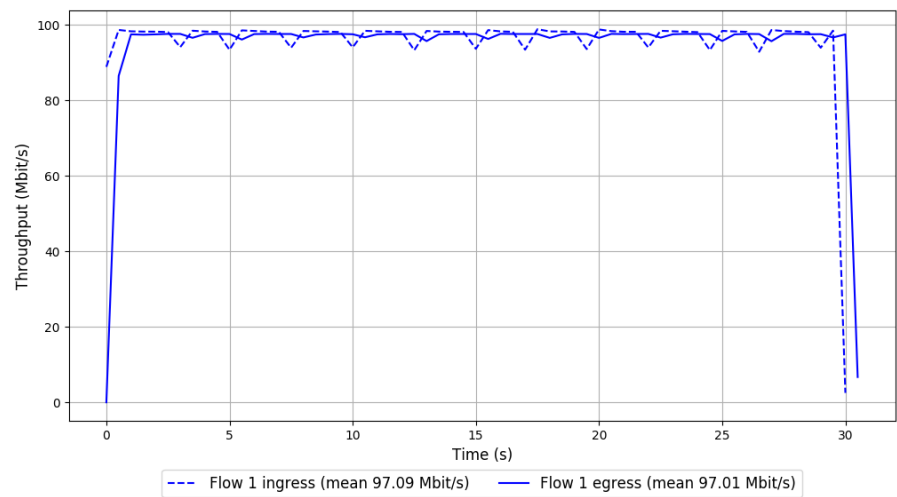


Run 10: Statistics of LEDBAT

Start at: 2018-07-24 09:40:41
End at: 2018-07-24 09:41:11
Local clock offset: -5.817 ms
Remote clock offset: -2.008 ms

Below is generated by plot.py at 2018-07-24 10:06:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 31.761 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 31.761 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

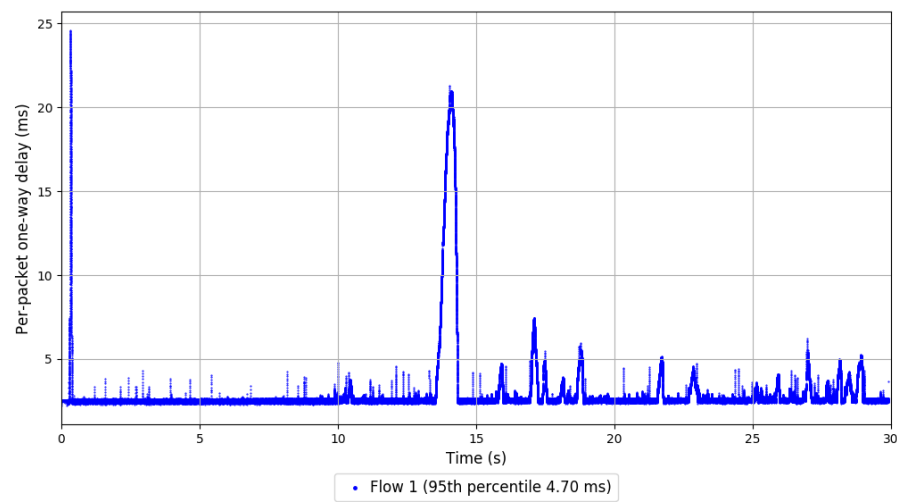
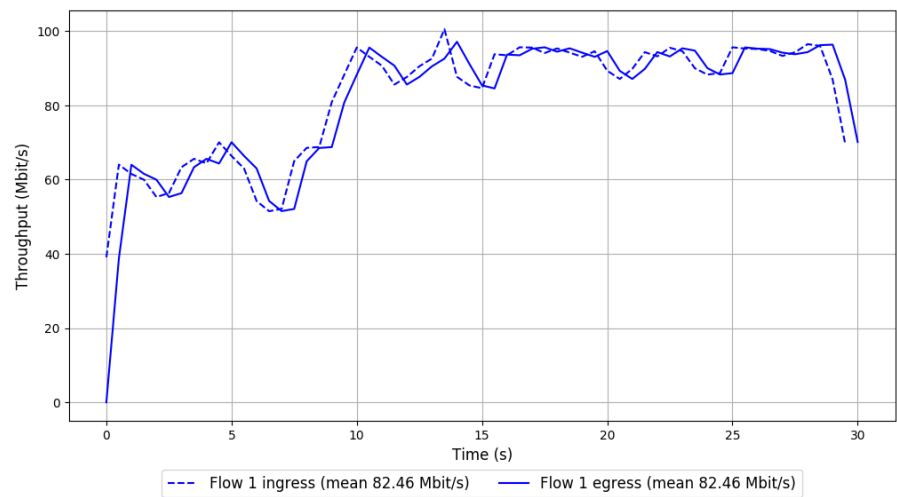


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 06:46:02
End at: 2018-07-24 06:46:32
Local clock offset: -15.094 ms
Remote clock offset: -2.065 ms

# Below is generated by plot.py at 2018-07-24 10:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 4.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 4.701 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

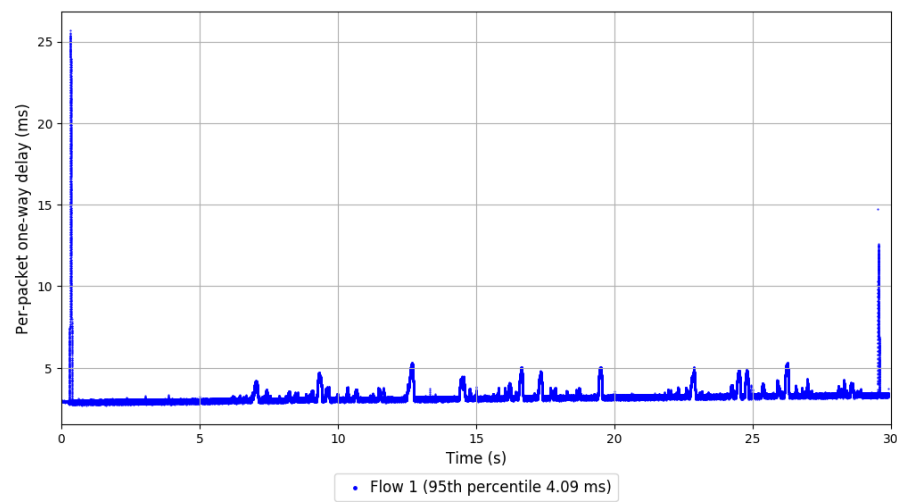
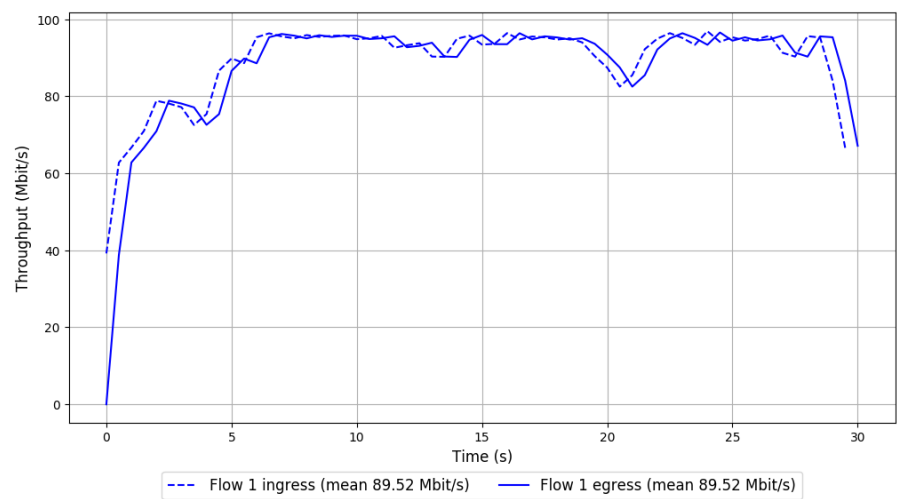


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 07:05:03
End at: 2018-07-24 07:05:33
Local clock offset: -14.703 ms
Remote clock offset: -2.067 ms

Below is generated by plot.py at 2018-07-24 10:07:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

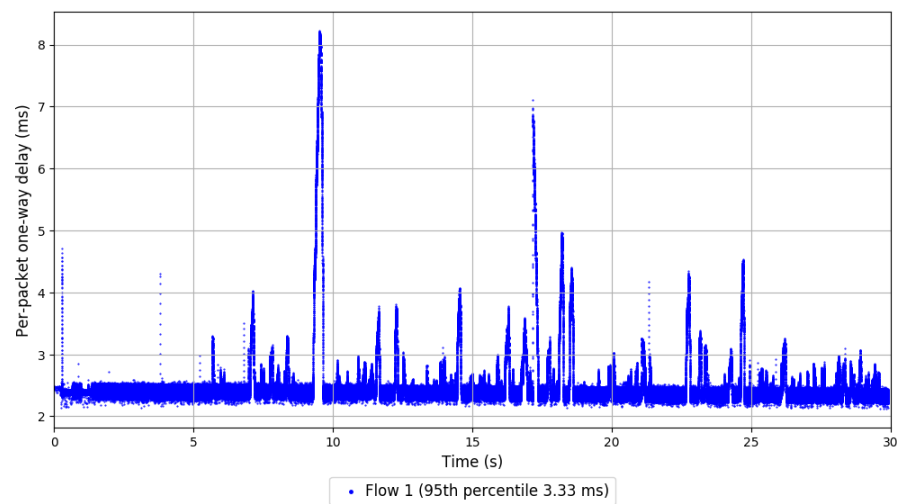
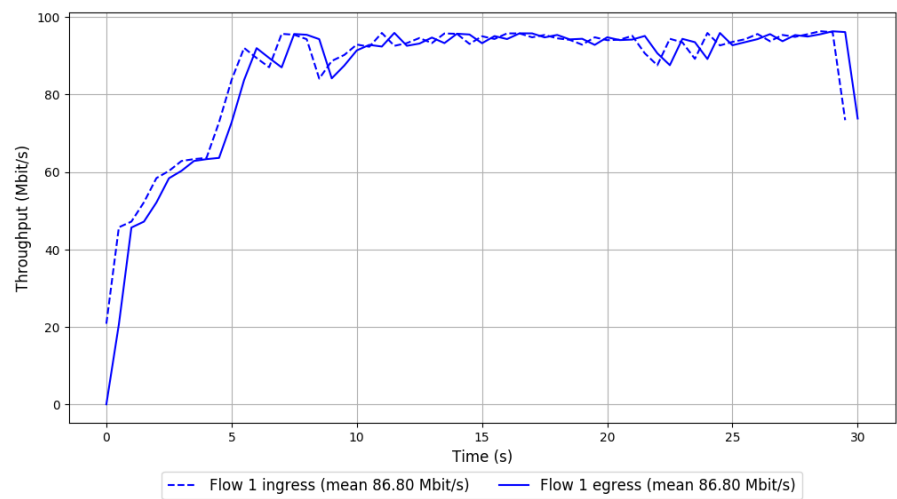


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 07:24:05
End at: 2018-07-24 07:24:35
Local clock offset: -10.661 ms
Remote clock offset: -1.893 ms

Below is generated by plot.py at 2018-07-24 10:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 3.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 3.332 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

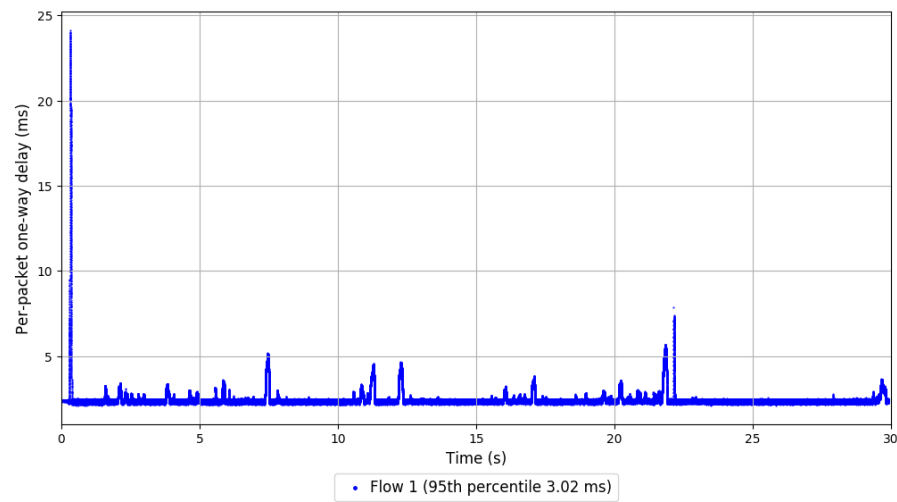
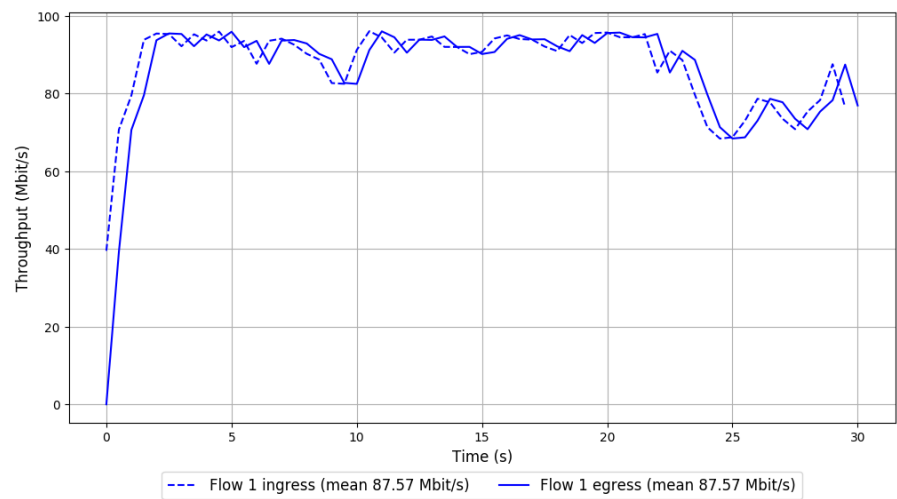


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 07:43:07
End at: 2018-07-24 07:43:37
Local clock offset: -10.811 ms
Remote clock offset: -6.815 ms

Below is generated by plot.py at 2018-07-24 10:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 3.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.57 Mbit/s
95th percentile per-packet one-way delay: 3.021 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

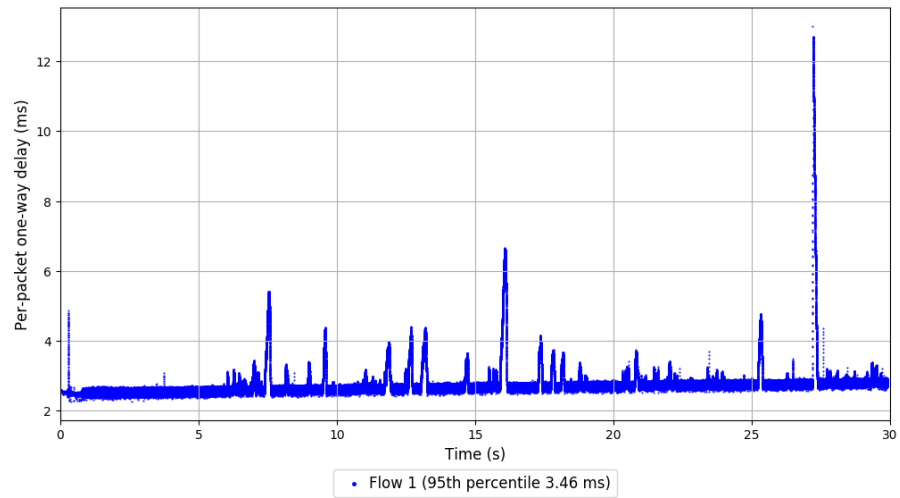
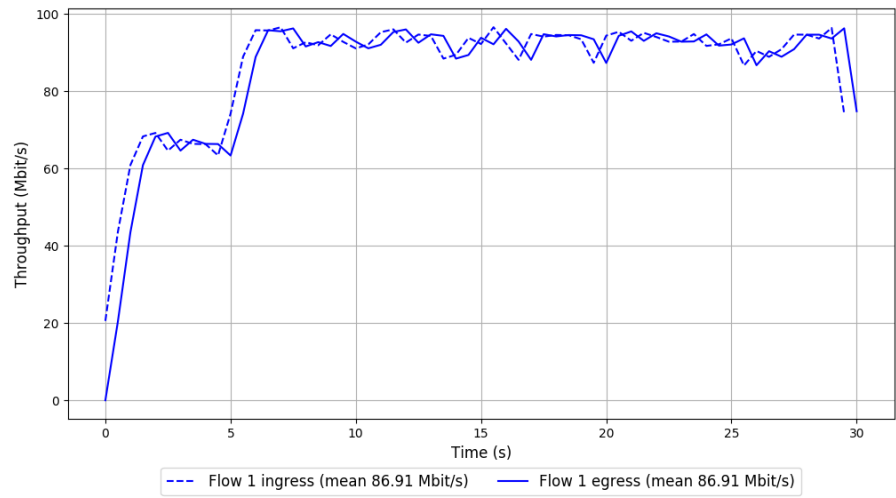


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 08:02:09
End at: 2018-07-24 08:02:39
Local clock offset: -13.285 ms
Remote clock offset: -7.061 ms

Below is generated by plot.py at 2018-07-24 10:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 3.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 3.455 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

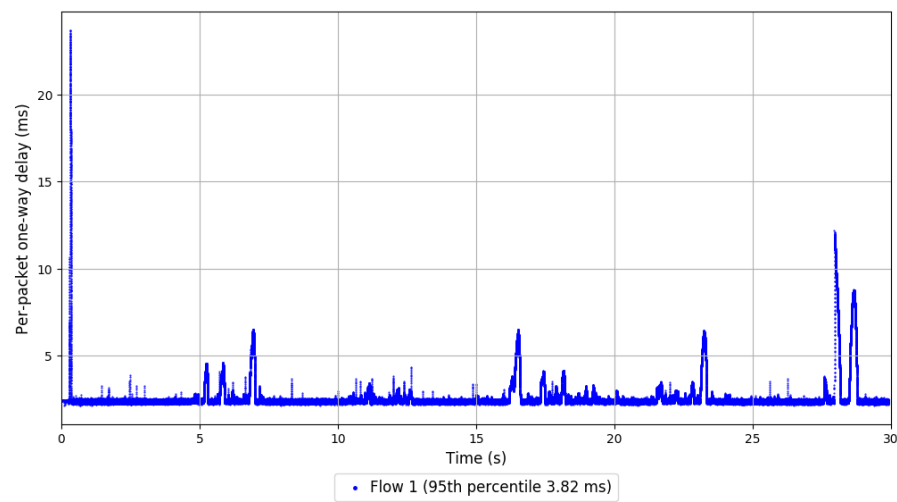
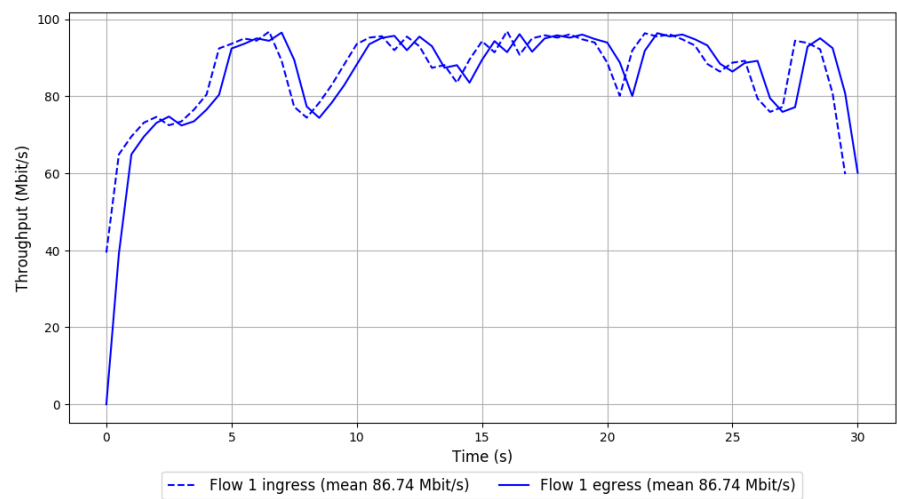


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 08:21:11
End at: 2018-07-24 08:21:41
Local clock offset: -4.883 ms
Remote clock offset: -1.929 ms

Below is generated by plot.py at 2018-07-24 10:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

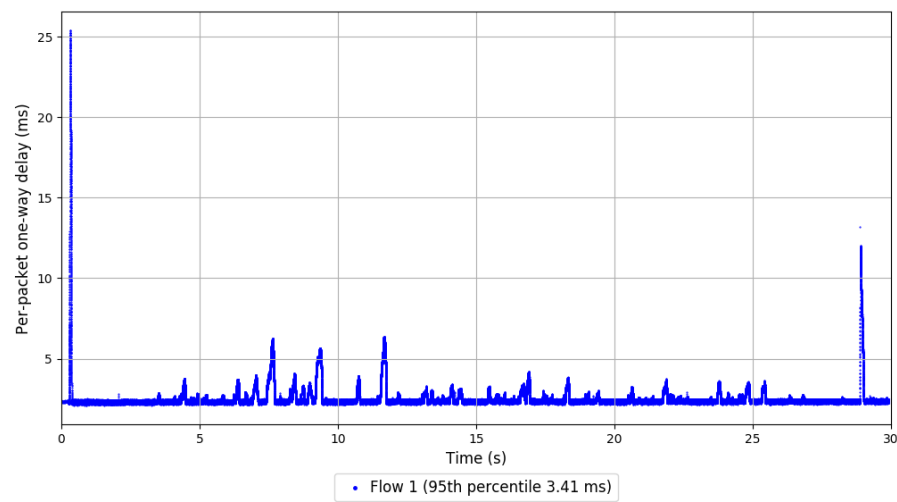
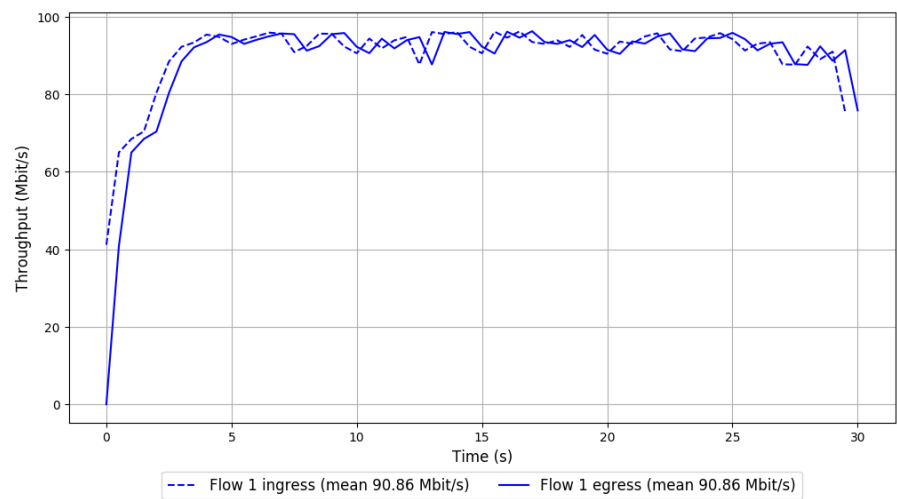


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 08:40:12
End at: 2018-07-24 08:40:42
Local clock offset: -3.197 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2018-07-24 10:07:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 3.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 3.407 ms
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 08:59:14

End at: 2018-07-24 08:59:44

Local clock offset: -2.656 ms

Remote clock offset: -0.611 ms

Below is generated by plot.py at 2018-07-24 10:07:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 3.206 ms

Loss rate: 0.00%

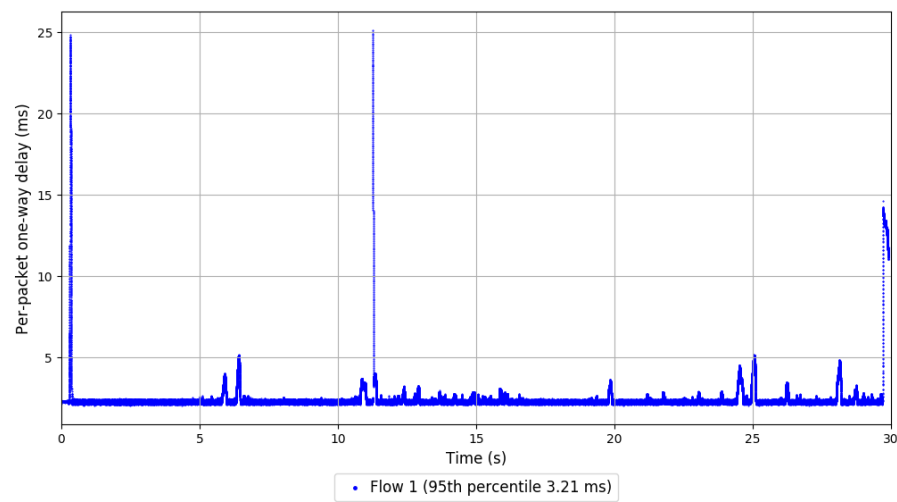
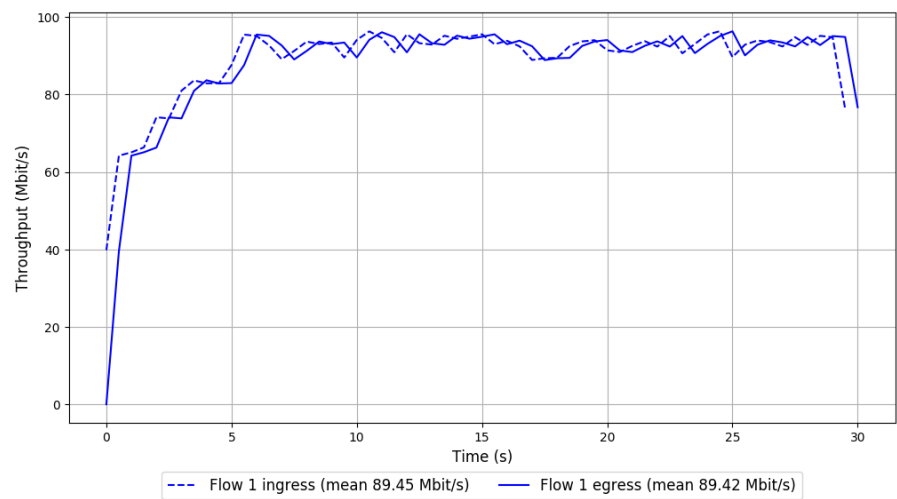
-- Flow 1:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 3.206 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 09:18:16

End at: 2018-07-24 09:18:46

Local clock offset: -2.049 ms

Remote clock offset: -1.536 ms

Below is generated by plot.py at 2018-07-24 10:08:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 4.575 ms

Loss rate: 0.00%

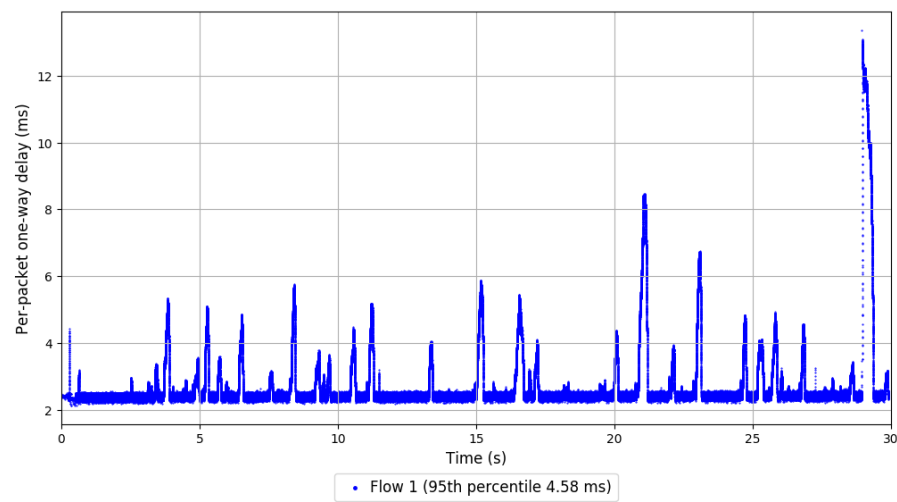
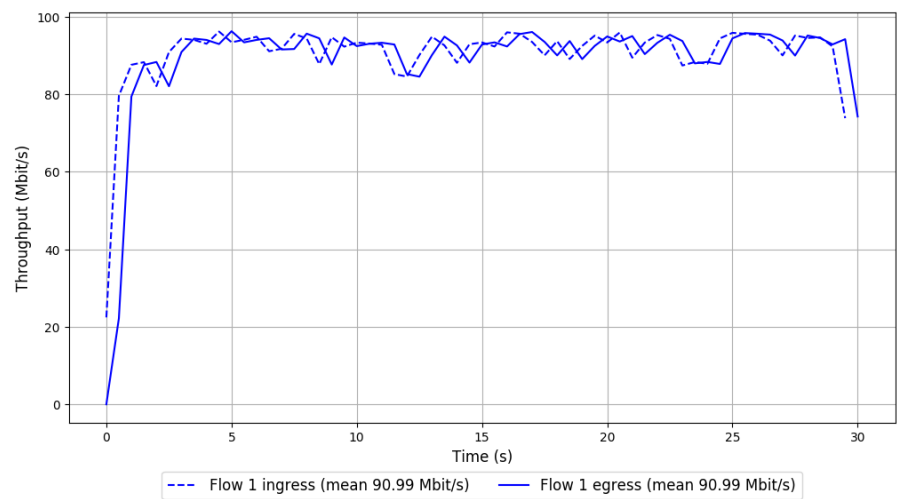
-- Flow 1:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 4.575 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 09:37:18

End at: 2018-07-24 09:37:48

Local clock offset: -4.732 ms

Remote clock offset: -2.042 ms

Below is generated by plot.py at 2018-07-24 10:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 3.576 ms

Loss rate: 0.00%

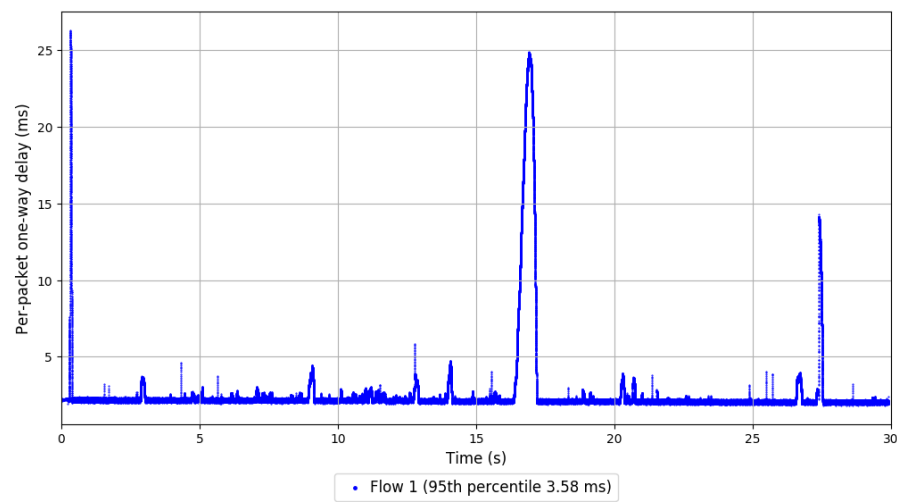
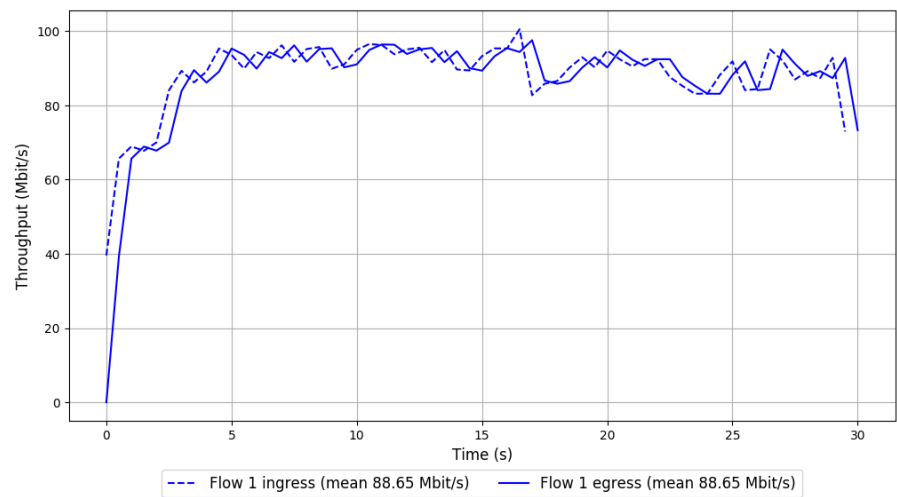
-- Flow 1:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 3.576 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

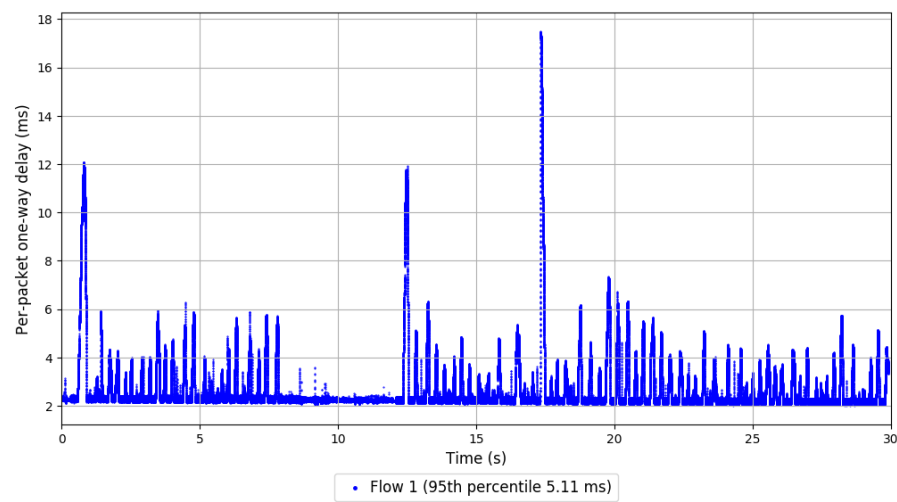
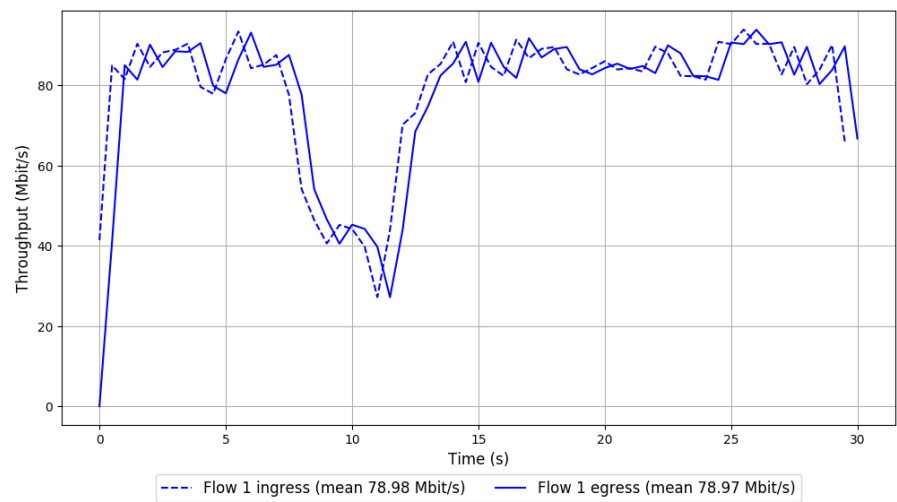


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 06:53:49
End at: 2018-07-24 06:54:19
Local clock offset: -15.709 ms
Remote clock offset: -2.034 ms

# Below is generated by plot.py at 2018-07-24 10:09:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: 5.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: 5.108 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

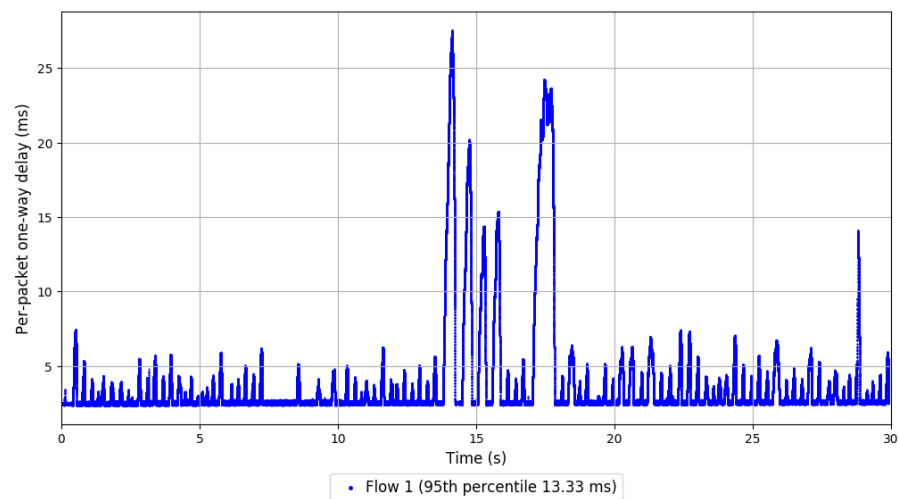
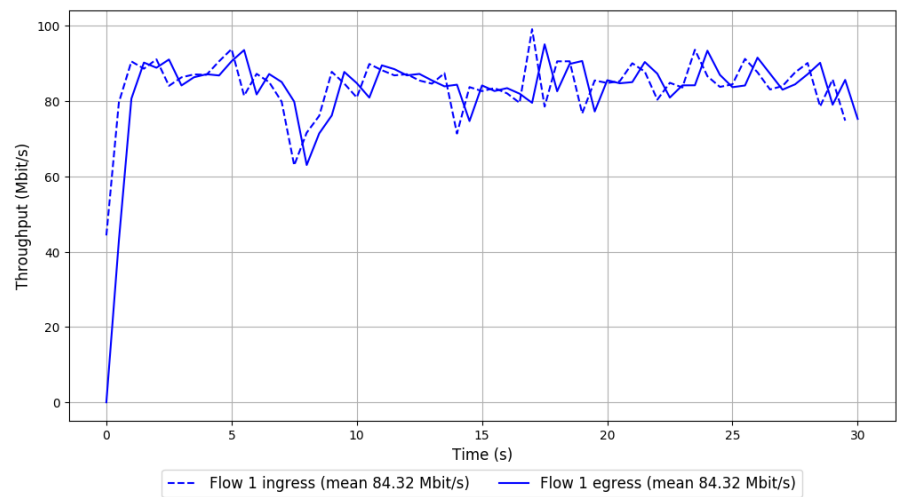


Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 07:12:50
End at: 2018-07-24 07:13:20
Local clock offset: -10.392 ms
Remote clock offset: -2.025 ms

Below is generated by plot.py at 2018-07-24 10:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 13.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 13.331 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

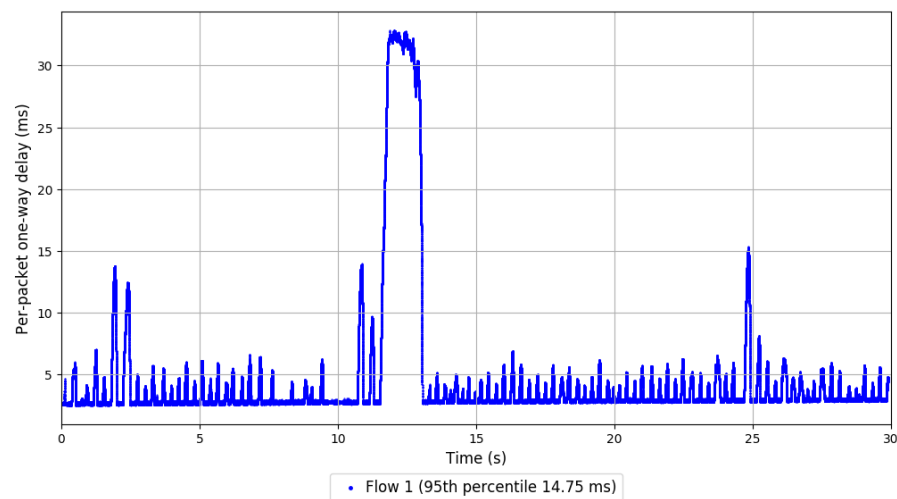
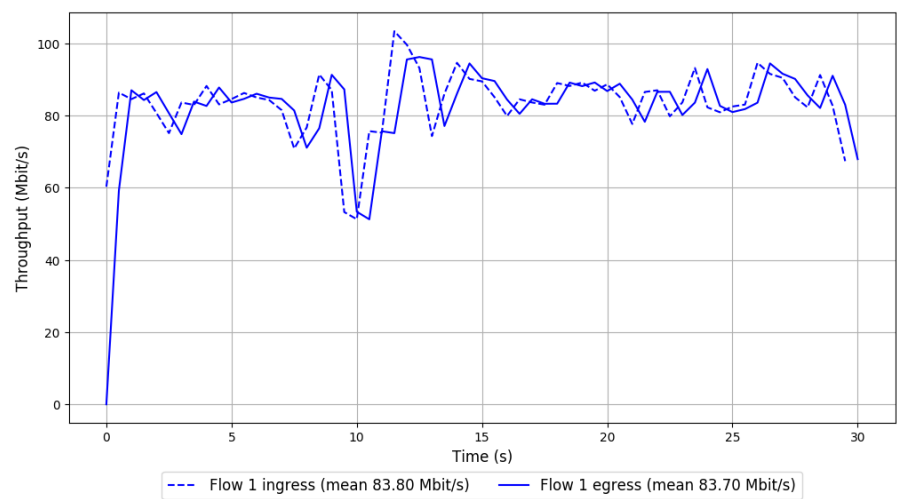


Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 07:31:52
End at: 2018-07-24 07:32:22
Local clock offset: -12.302 ms
Remote clock offset: -4.52 ms

Below is generated by plot.py at 2018-07-24 10:09:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 14.751 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 14.751 ms
Loss rate: 0.12%

Run 3: Report of PCC-Expr — Data Link

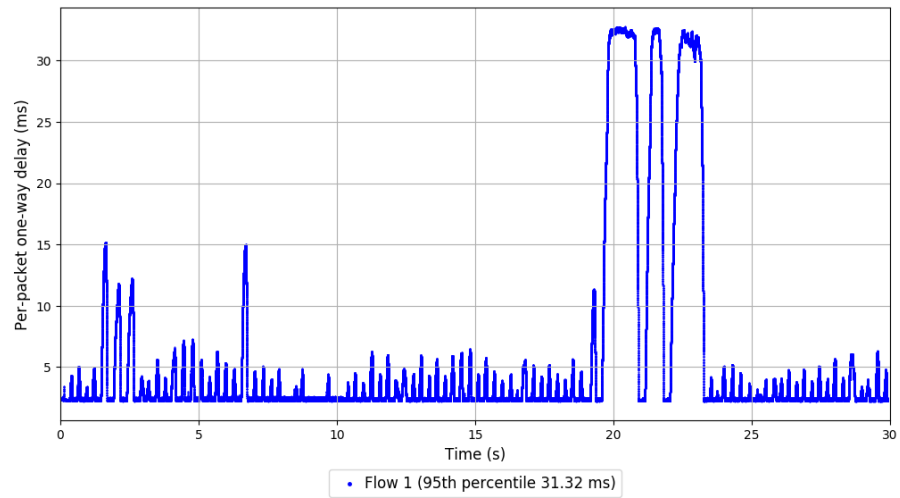
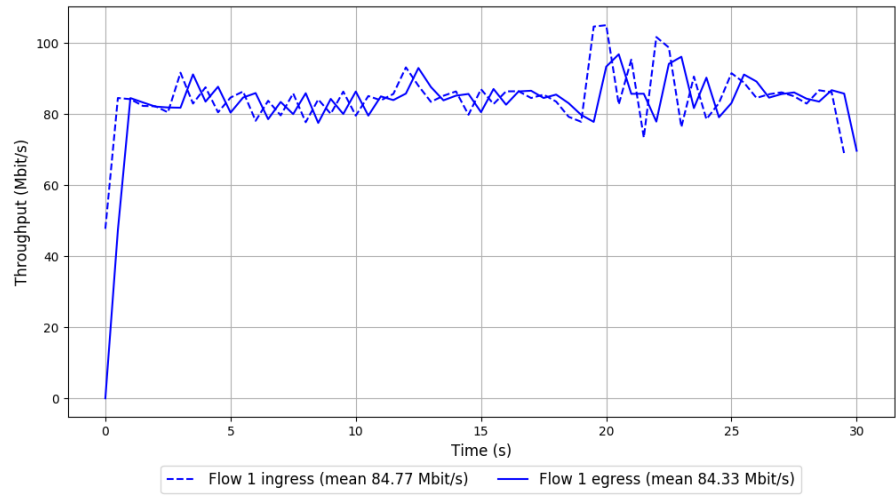


Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 07:50:54
End at: 2018-07-24 07:51:24
Local clock offset: -11.728 ms
Remote clock offset: -7.561 ms

Below is generated by plot.py at 2018-07-24 10:09:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 31.322 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 31.322 ms
Loss rate: 0.51%

Run 4: Report of PCC-Expr — Data Link

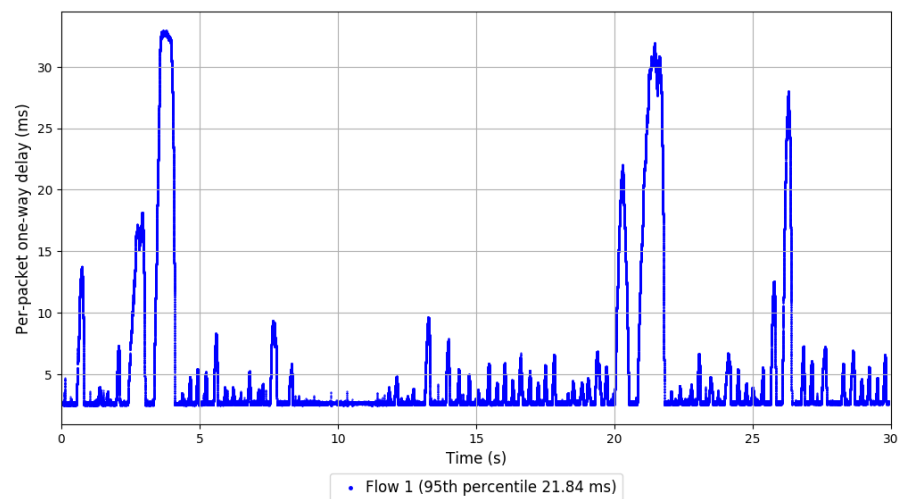
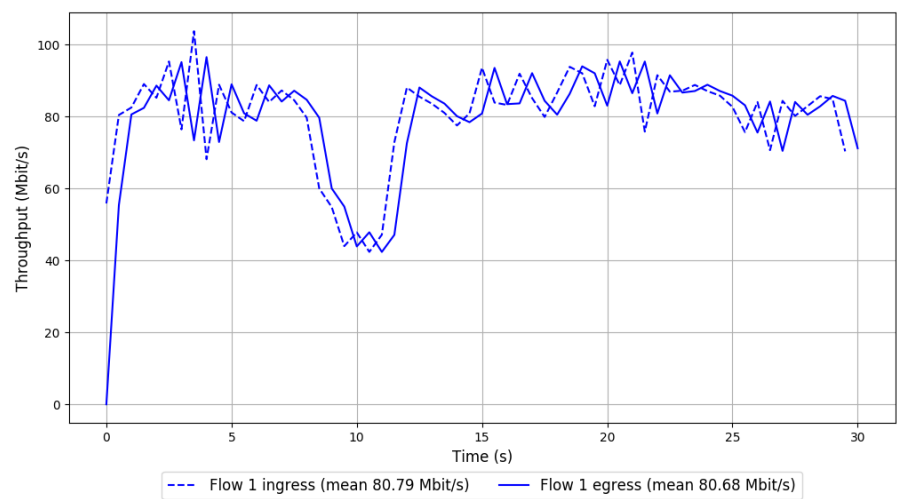


Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 08:09:55
End at: 2018-07-24 08:10:25
Local clock offset: -7.46 ms
Remote clock offset: -3.856 ms

Below is generated by plot.py at 2018-07-24 10:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 21.836 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 21.836 ms
Loss rate: 0.14%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 08:28:58

End at: 2018-07-24 08:29:28

Local clock offset: -4.658 ms

Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-07-24 10:09:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.24 Mbit/s

95th percentile per-packet one-way delay: 5.562 ms

Loss rate: 0.00%

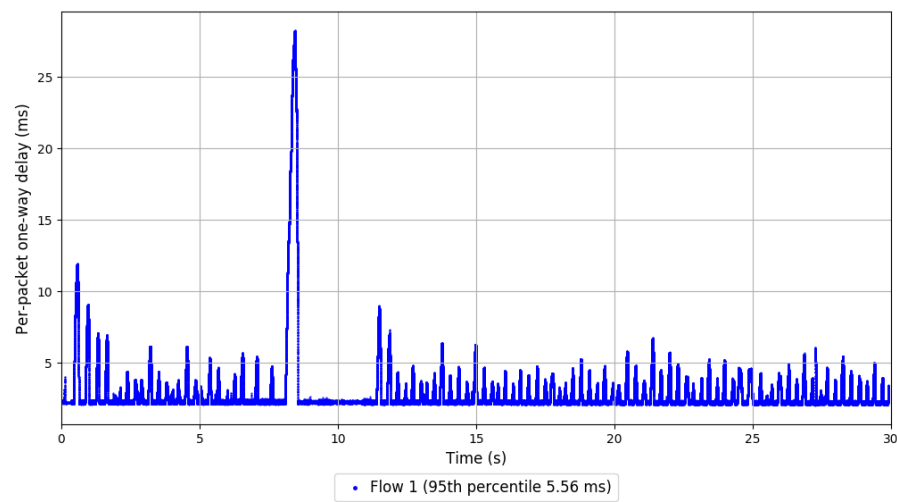
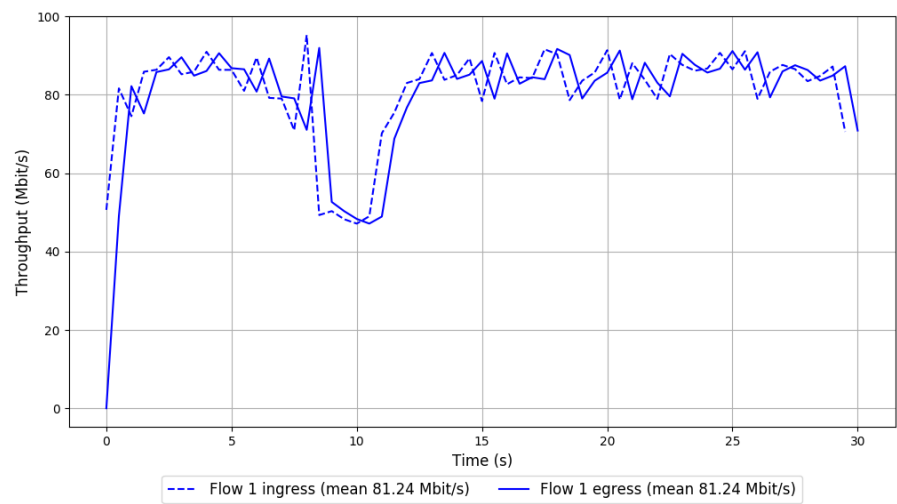
-- Flow 1:

Average throughput: 81.24 Mbit/s

95th percentile per-packet one-way delay: 5.562 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

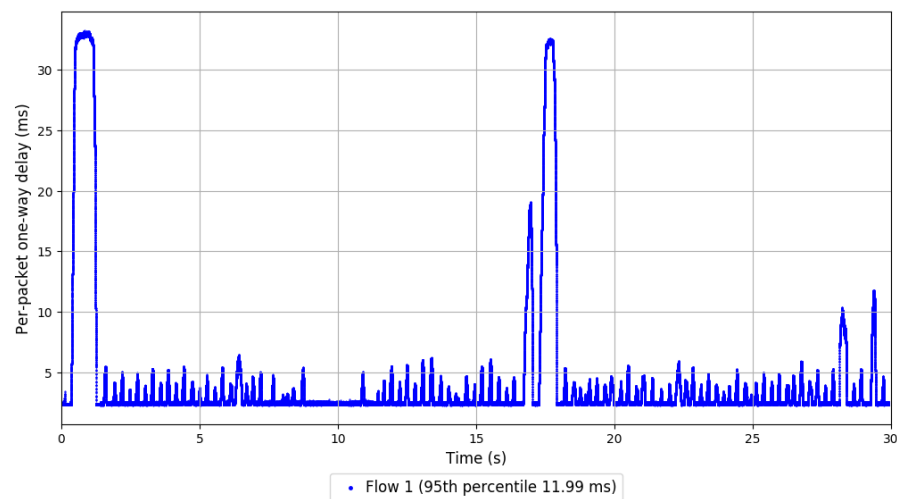
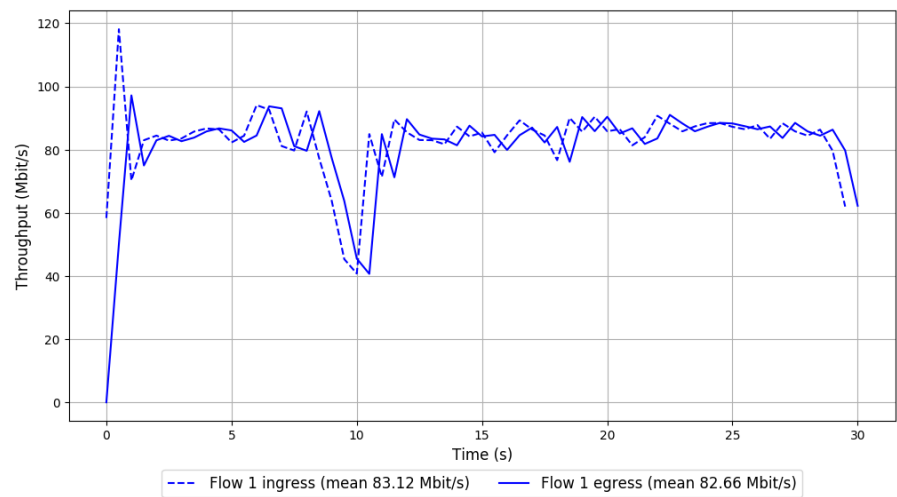


Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 08:47:59
End at: 2018-07-24 08:48:29
Local clock offset: -2.734 ms
Remote clock offset: -0.884 ms

Below is generated by plot.py at 2018-07-24 10:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 11.993 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 11.993 ms
Loss rate: 0.56%

Run 7: Report of PCC-Expr — Data Link

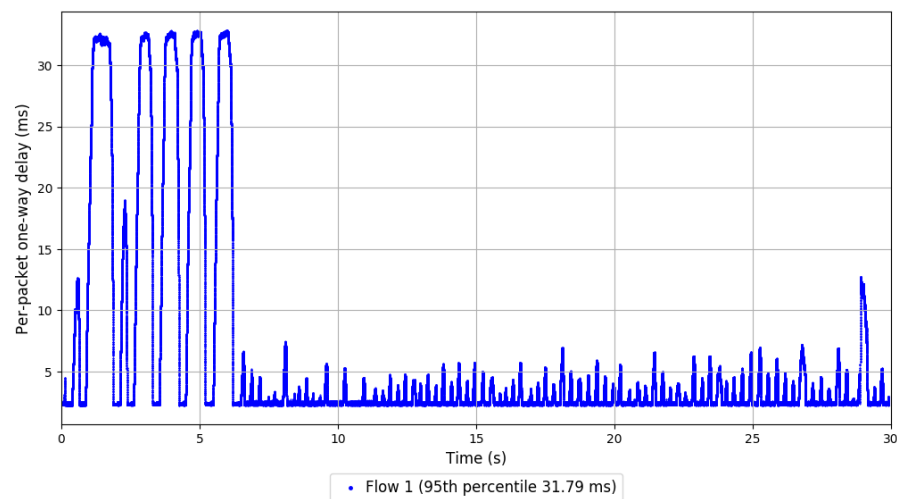
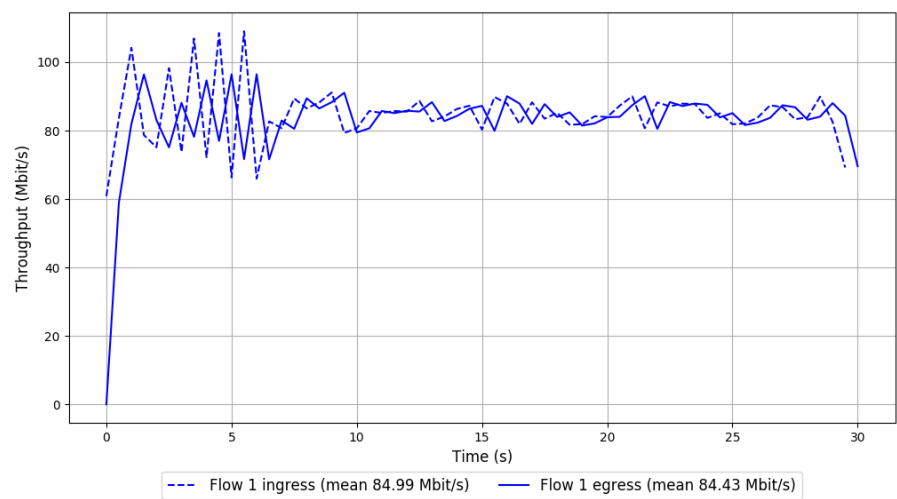


Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 09:07:01
End at: 2018-07-24 09:07:31
Local clock offset: -2.312 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-24 10:10:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 31.793 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 31.793 ms
Loss rate: 0.65%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 09:26:03

End at: 2018-07-24 09:26:33

Local clock offset: -2.032 ms

Remote clock offset: -1.834 ms

Below is generated by plot.py at 2018-07-24 10:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 31.598 ms

Loss rate: 0.67%

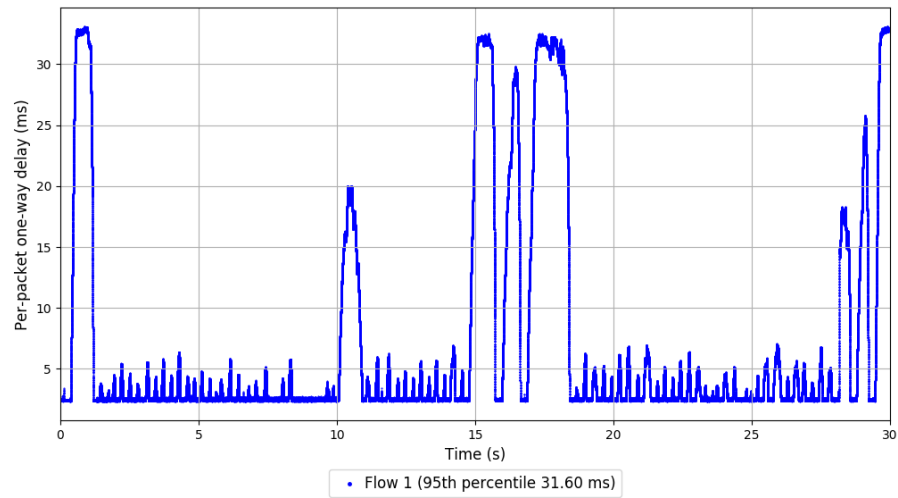
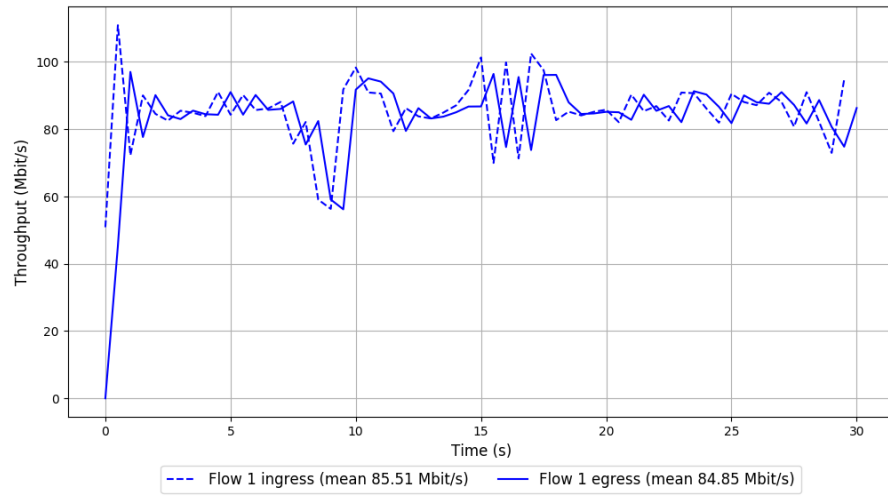
-- Flow 1:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 31.598 ms

Loss rate: 0.67%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-24 09:45:04

End at: 2018-07-24 09:45:34

Local clock offset: -6.83 ms

Remote clock offset: -2.074 ms

Below is generated by plot.py at 2018-07-24 10:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 27.776 ms

Loss rate: 0.23%

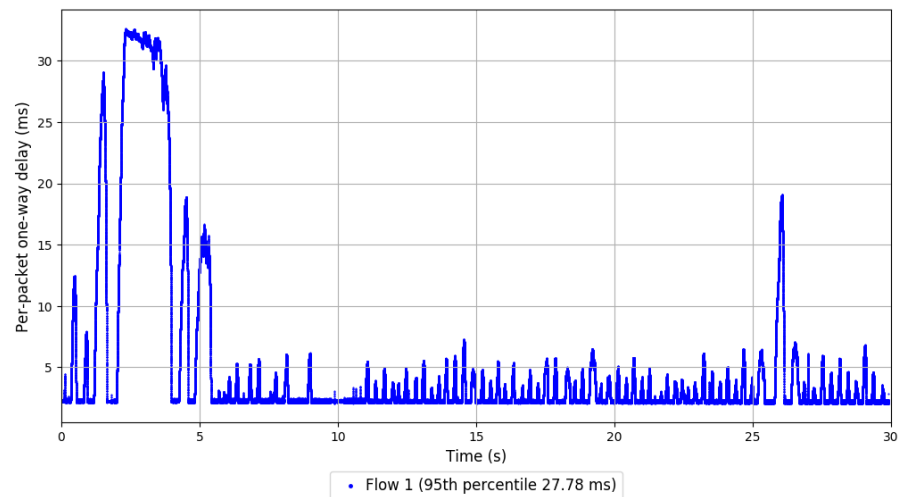
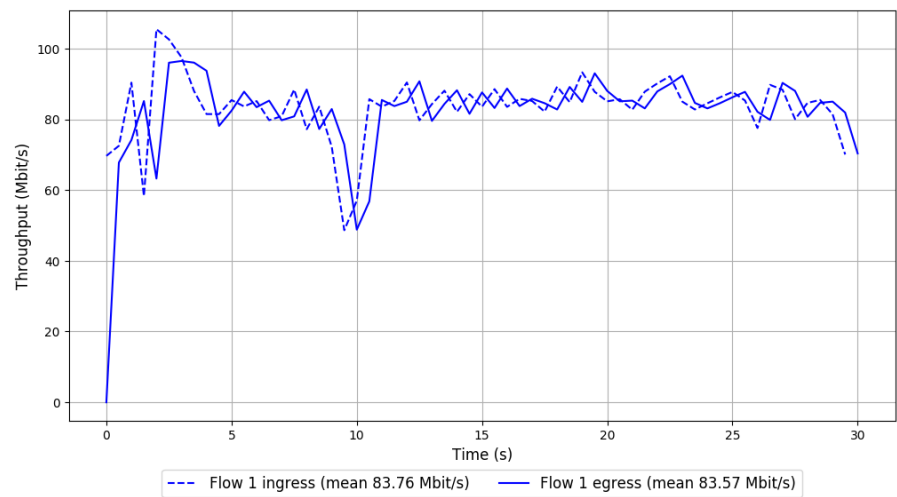
-- Flow 1:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 27.776 ms

Loss rate: 0.23%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

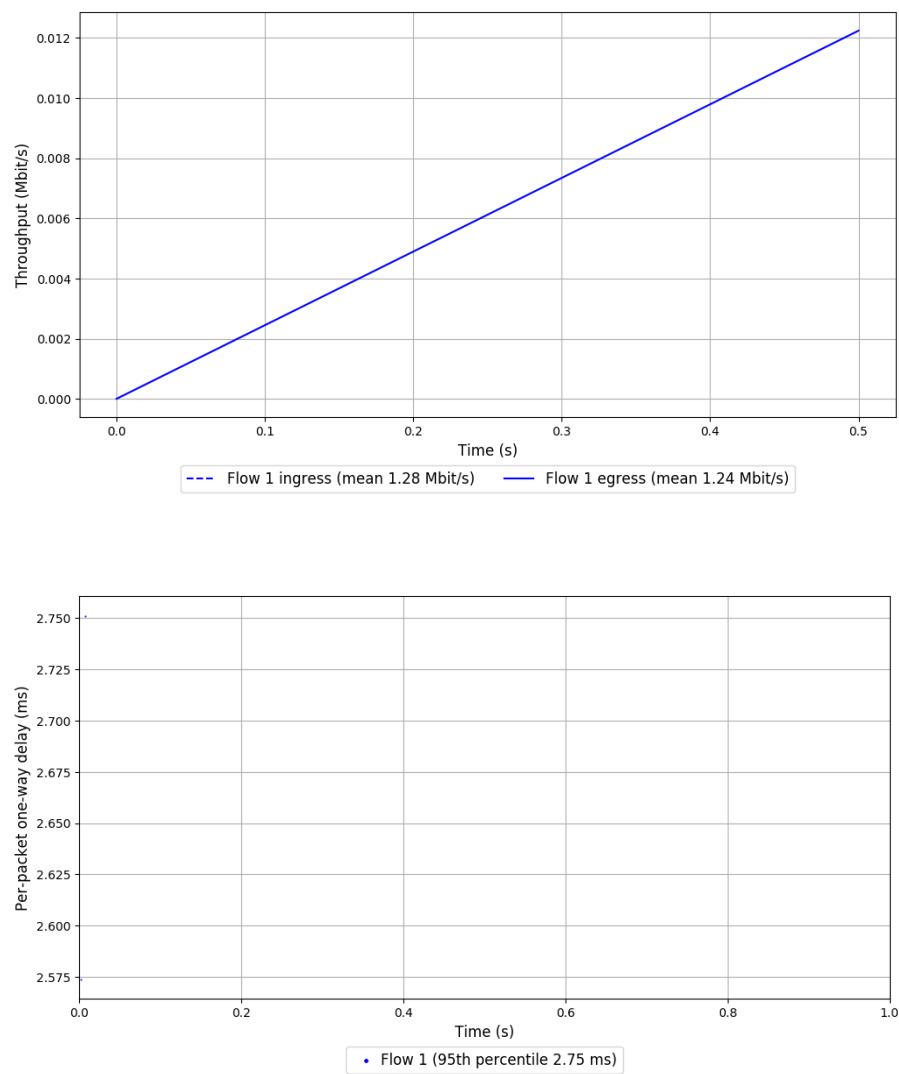
Start at: 2018-07-24 06:41:37

End at: 2018-07-24 06:42:07

Local clock offset: -16.887 ms

Remote clock offset: -2.117 ms

Run 1: Report of QUIC Cubic — Data Link

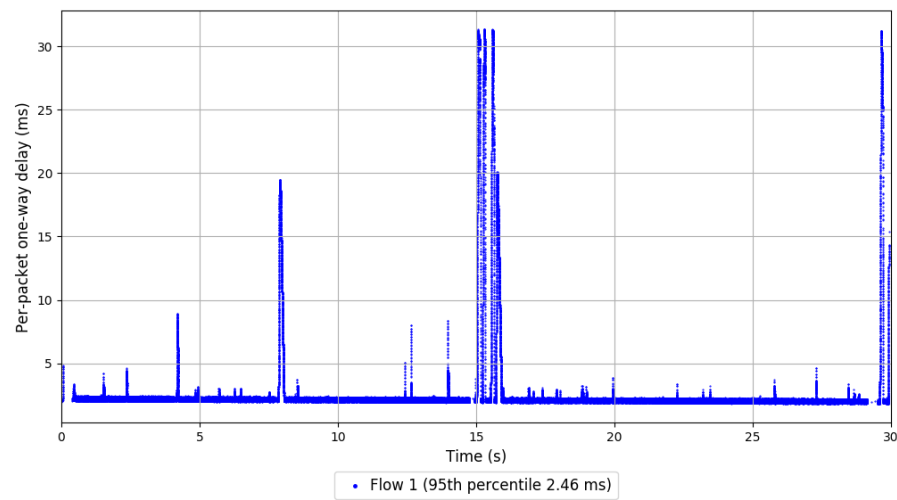
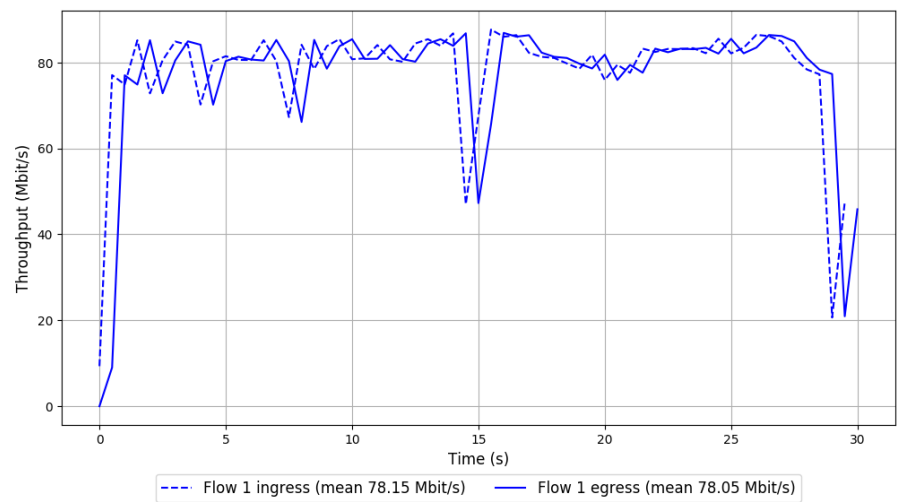


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 07:00:35
End at: 2018-07-24 07:01:05
Local clock offset: -18.054 ms
Remote clock offset: -2.066 ms

Below is generated by plot.py at 2018-07-24 10:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.09%

Run 2: Report of QUIC Cubic — Data Link

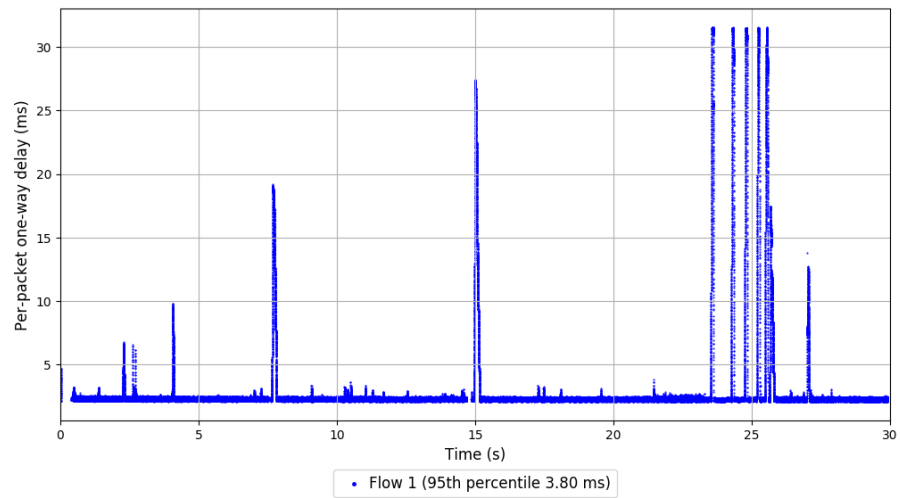
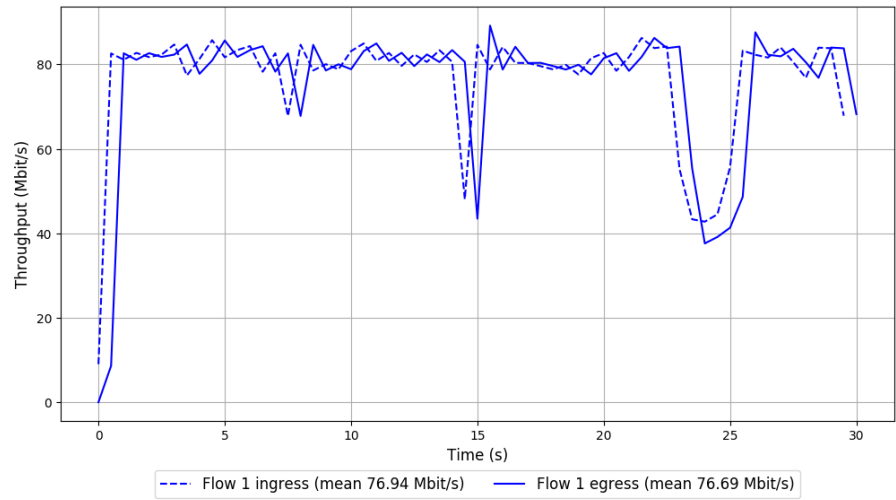


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-24 07:19:37
End at: 2018-07-24 07:20:07
Local clock offset: -10.007 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2018-07-24 10:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 3.798 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 3.798 ms
Loss rate: 0.33%

Run 3: Report of QUIC Cubic — Data Link

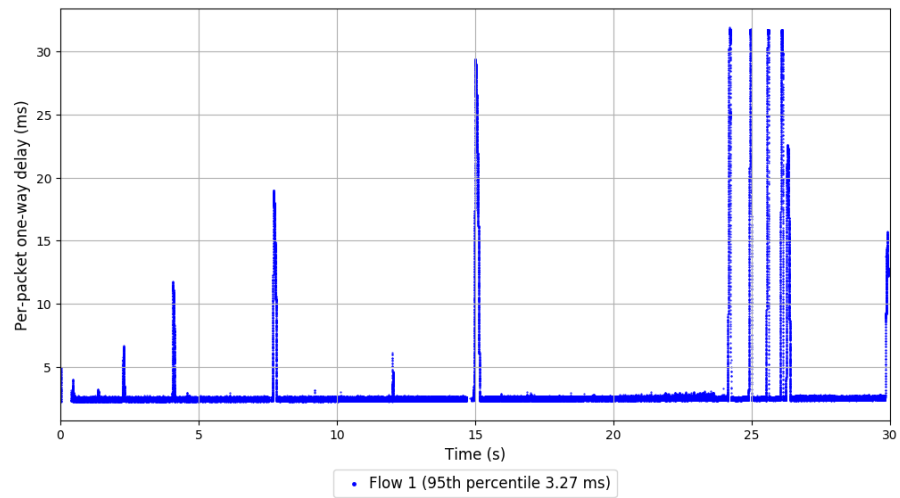
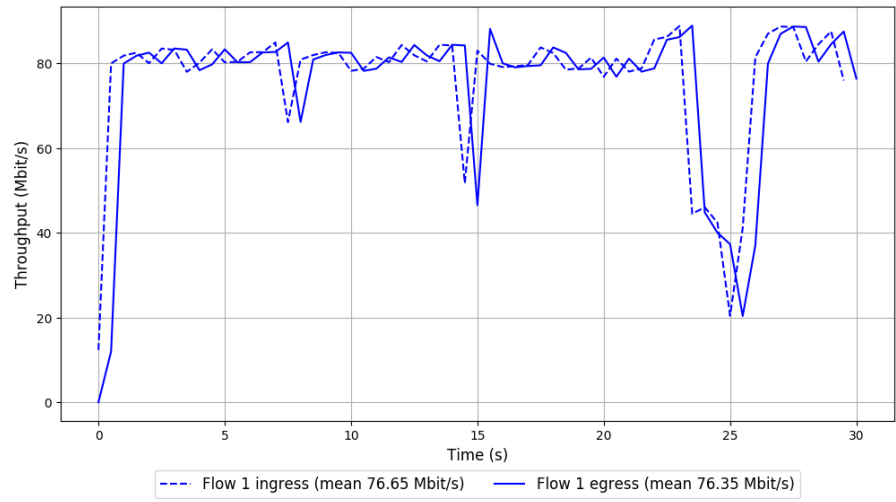


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 07:38:39
End at: 2018-07-24 07:39:09
Local clock offset: -10.798 ms
Remote clock offset: -6.158 ms

Below is generated by plot.py at 2018-07-24 10:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 3.271 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 3.271 ms
Loss rate: 0.36%

Run 4: Report of QUIC Cubic — Data Link

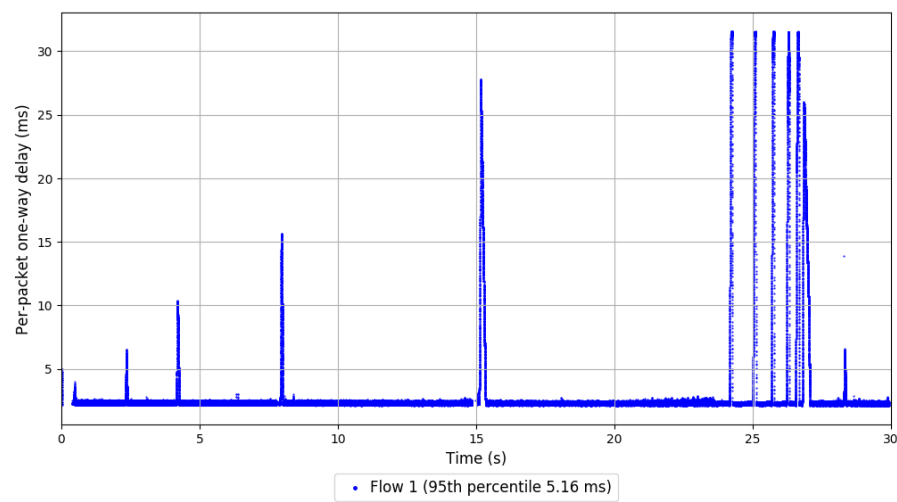
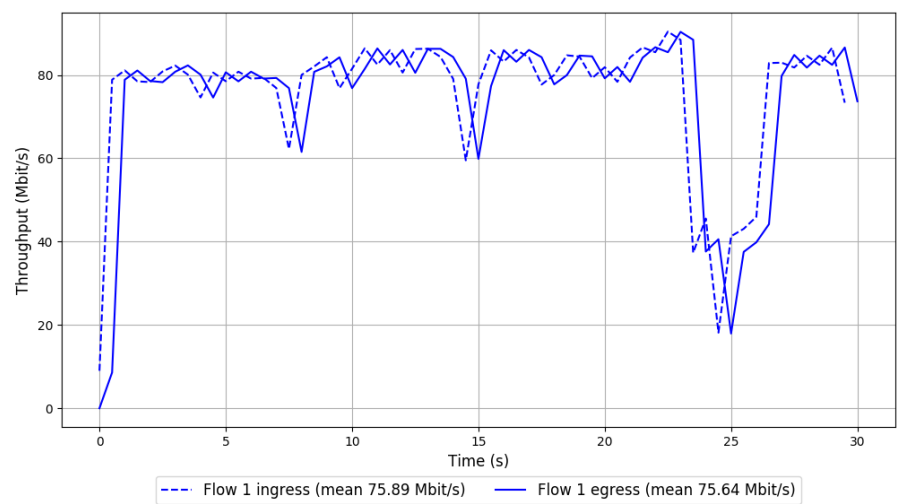


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 07:57:40
End at: 2018-07-24 07:58:10
Local clock offset: -12.933 ms
Remote clock offset: -8.129 ms

Below is generated by plot.py at 2018-07-24 10:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 5.157 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 5.157 ms
Loss rate: 0.33%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 08:16:42

End at: 2018-07-24 08:17:12

Local clock offset: -5.441 ms

Remote clock offset: -2.503 ms

Below is generated by plot.py at 2018-07-24 10:11:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 6.240 ms

Loss rate: 0.22%

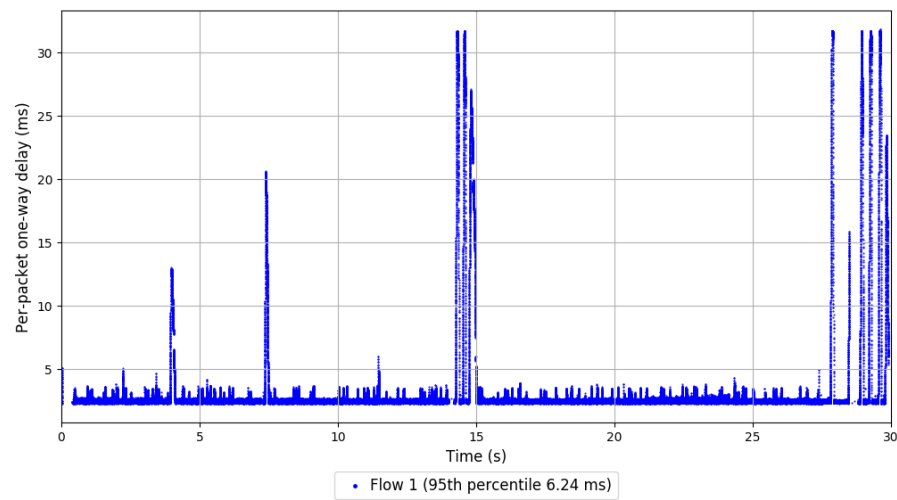
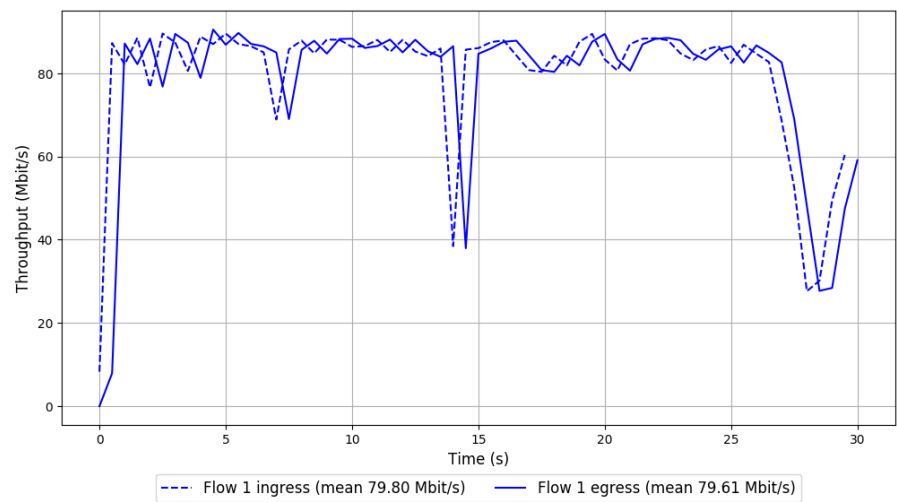
-- Flow 1:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 6.240 ms

Loss rate: 0.22%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 08:35:43

End at: 2018-07-24 08:36:13

Local clock offset: -3.764 ms

Remote clock offset: -1.032 ms

Below is generated by plot.py at 2018-07-24 10:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.92 Mbit/s

95th percentile per-packet one-way delay: 10.489 ms

Loss rate: 0.23%

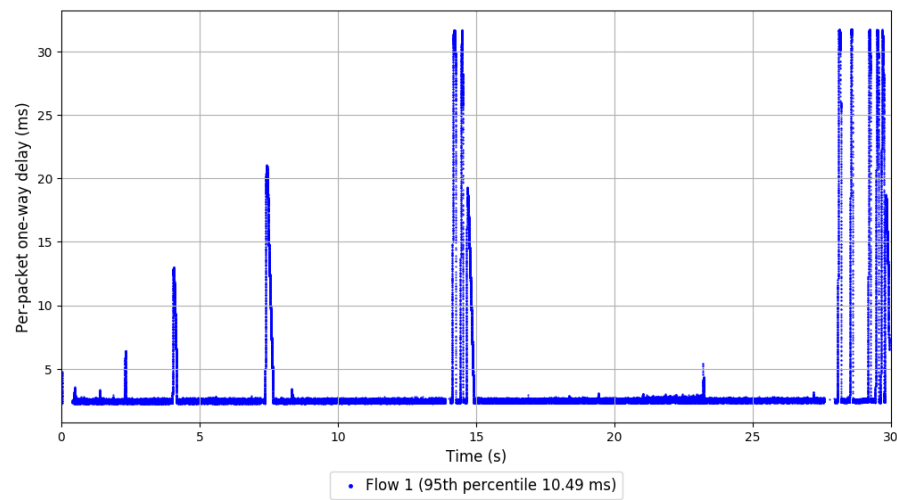
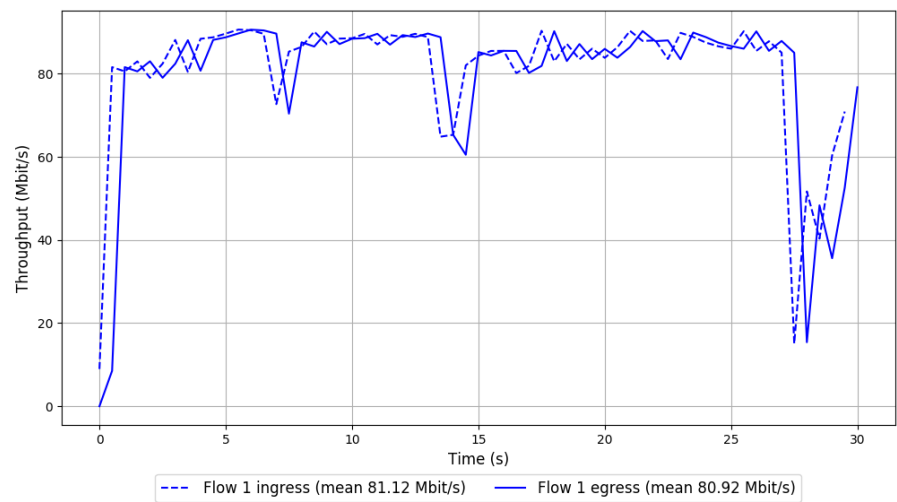
-- Flow 1:

Average throughput: 80.92 Mbit/s

95th percentile per-packet one-way delay: 10.489 ms

Loss rate: 0.23%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 08:54:45

End at: 2018-07-24 08:55:15

Local clock offset: -2.723 ms

Remote clock offset: -0.677 ms

Below is generated by plot.py at 2018-07-24 10:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.56 Mbit/s

95th percentile per-packet one-way delay: 3.225 ms

Loss rate: 0.33%

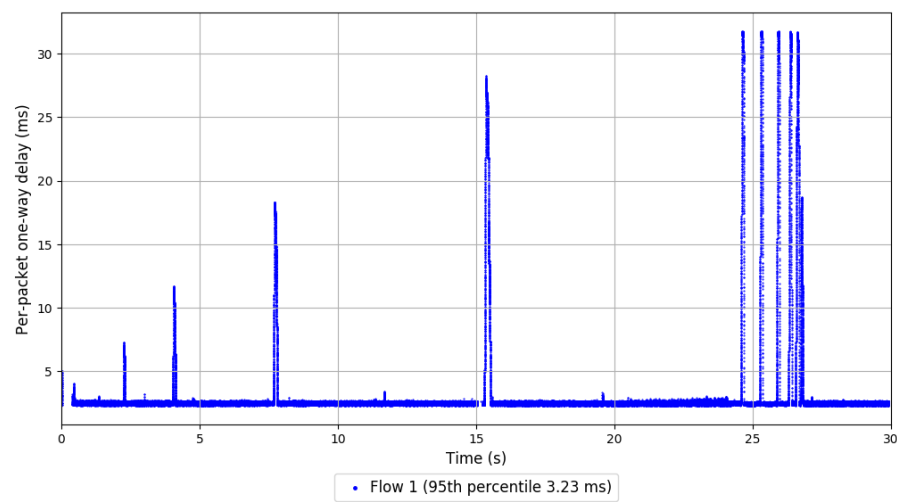
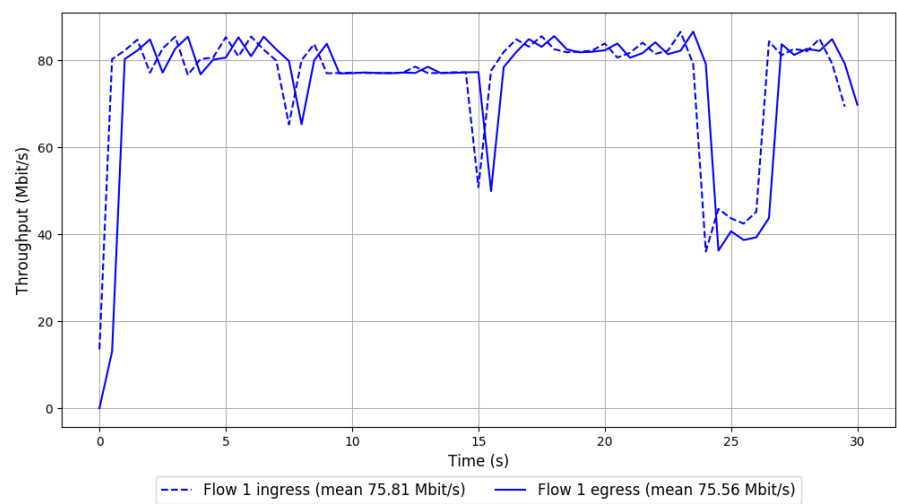
-- Flow 1:

Average throughput: 75.56 Mbit/s

95th percentile per-packet one-way delay: 3.225 ms

Loss rate: 0.33%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 09:13:47

End at: 2018-07-24 09:14:17

Local clock offset: -2.107 ms

Remote clock offset: -1.122 ms

Below is generated by plot.py at 2018-07-24 10:11:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.37 Mbit/s

95th percentile per-packet one-way delay: 2.657 ms

Loss rate: 0.06%

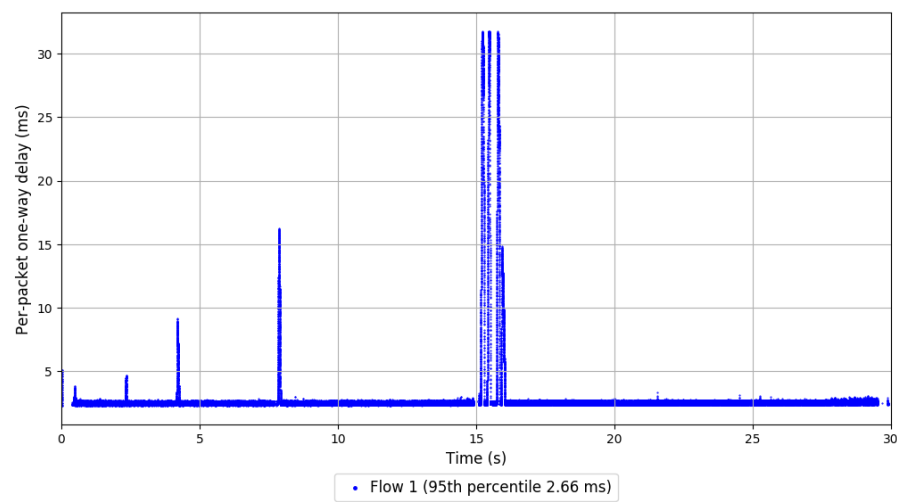
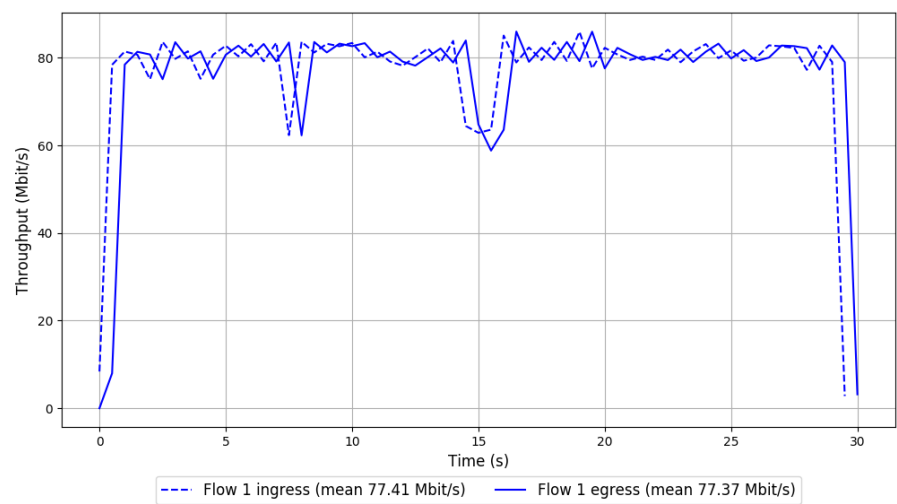
-- Flow 1:

Average throughput: 77.37 Mbit/s

95th percentile per-packet one-way delay: 2.657 ms

Loss rate: 0.06%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 09:32:49

End at: 2018-07-24 09:33:19

Local clock offset: -2.684 ms

Remote clock offset: -2.0 ms

Below is generated by plot.py at 2018-07-24 10:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.27%

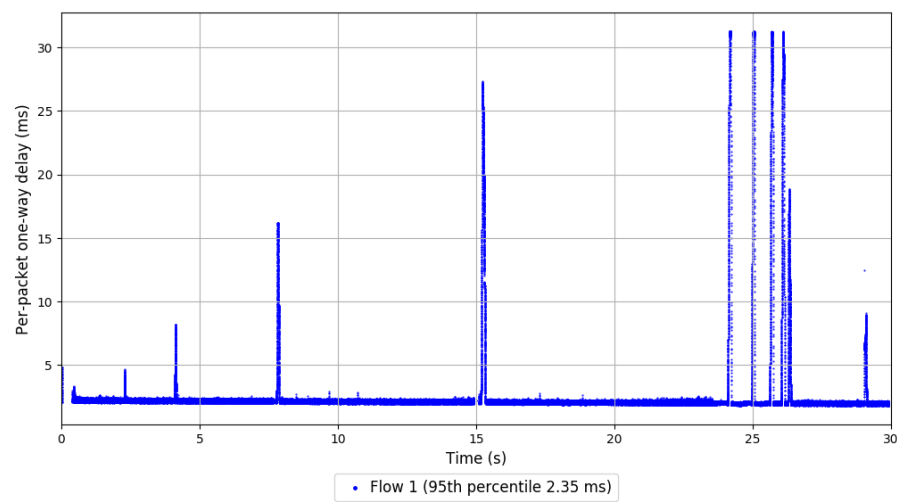
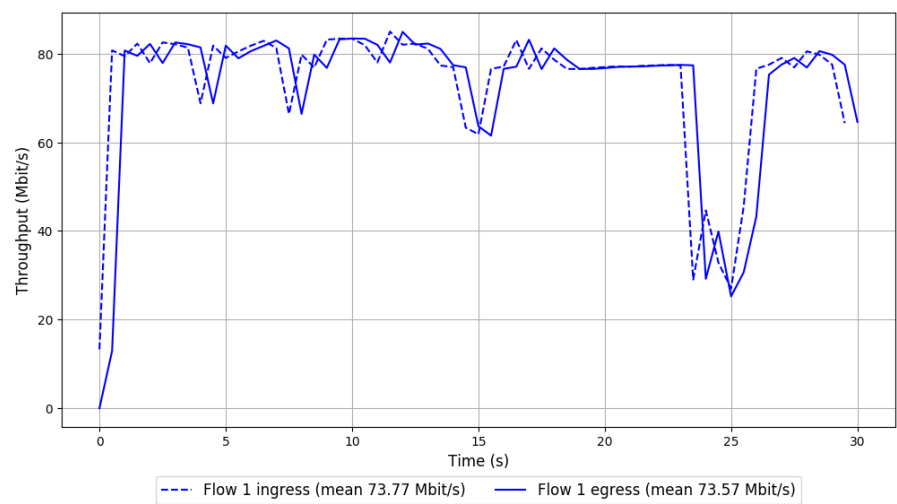
-- Flow 1:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.27%

Run 10: Report of QUIC Cubic — Data Link

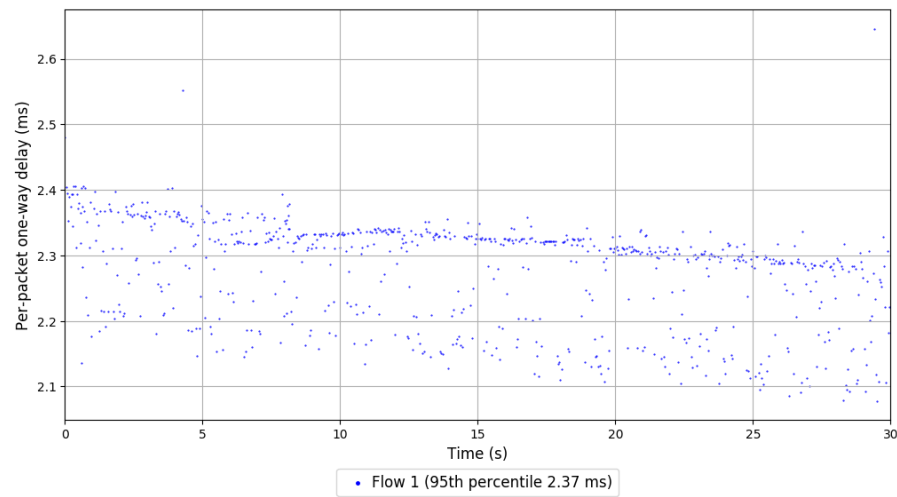
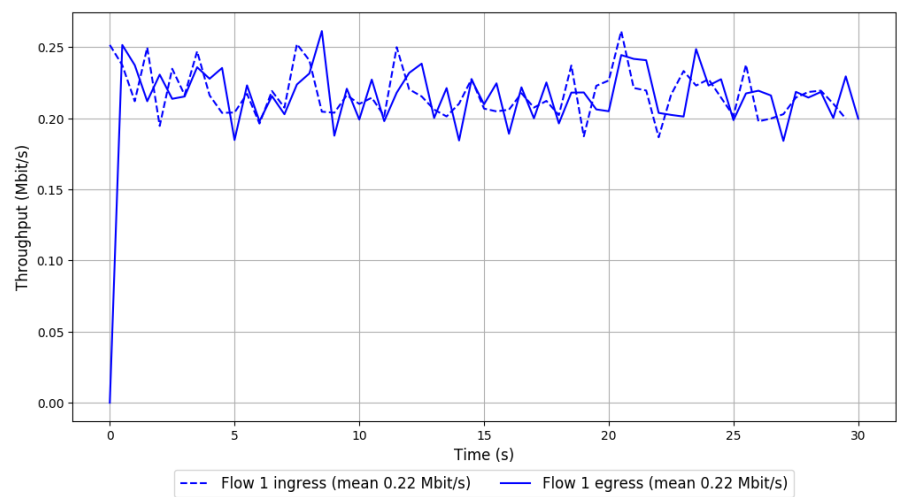


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 06:51:37
End at: 2018-07-24 06:52:07
Local clock offset: -15.265 ms
Remote clock offset: -2.024 ms

# Below is generated by plot.py at 2018-07-24 10:11:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

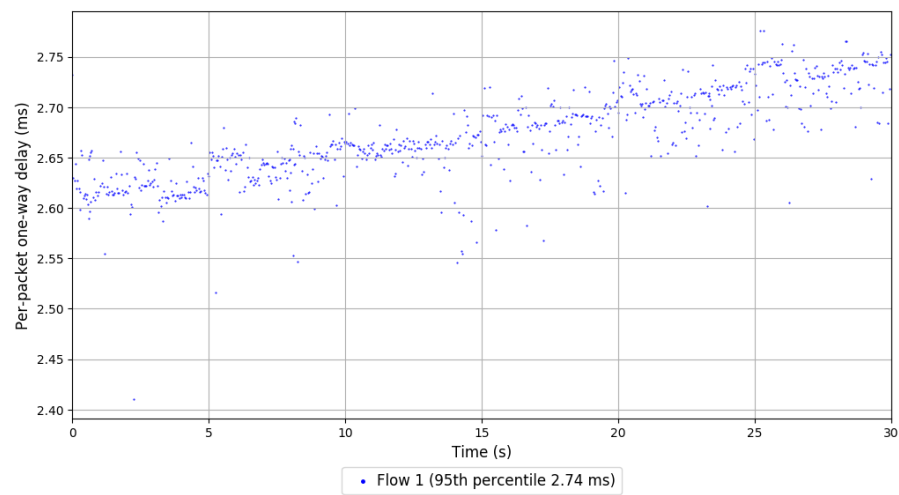
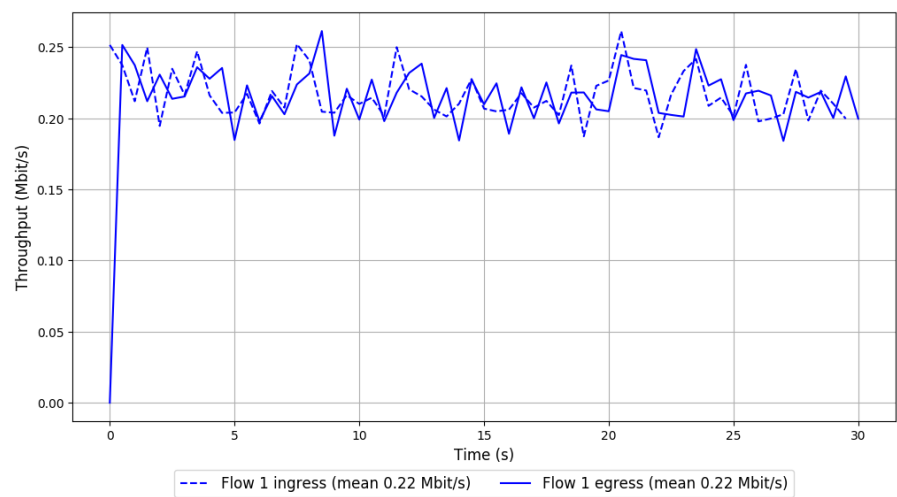


Run 2: Statistics of SCReAM

Start at: 2018-07-24 07:10:38
End at: 2018-07-24 07:11:08
Local clock offset: -11.037 ms
Remote clock offset: -2.005 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.743 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

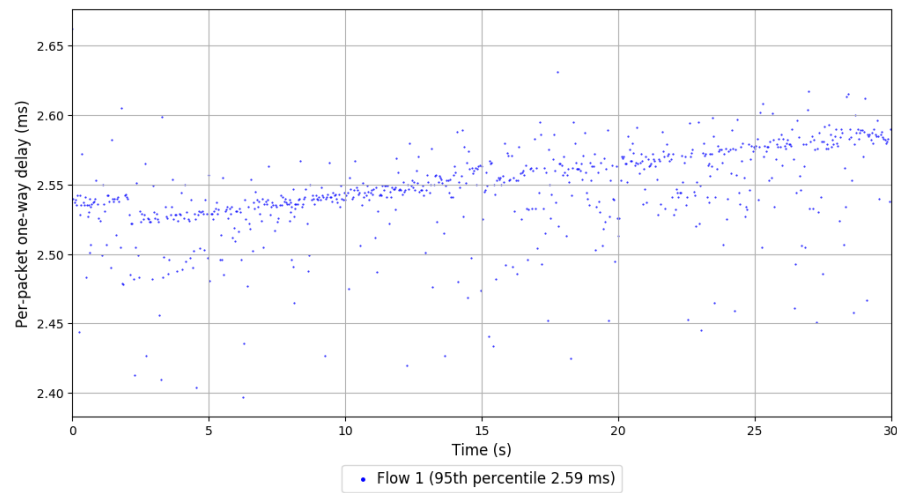
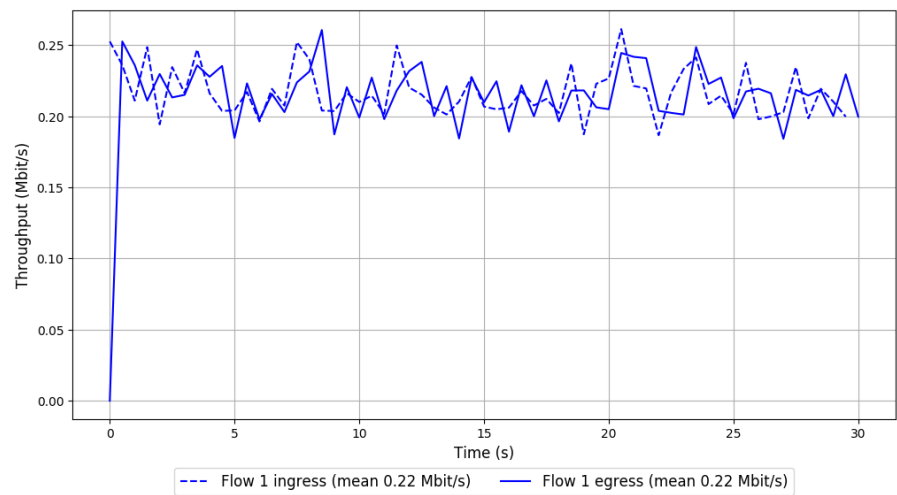


Run 3: Statistics of SCReAM

Start at: 2018-07-24 07:29:40
End at: 2018-07-24 07:30:10
Local clock offset: -11.825 ms
Remote clock offset: -3.682 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.588 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

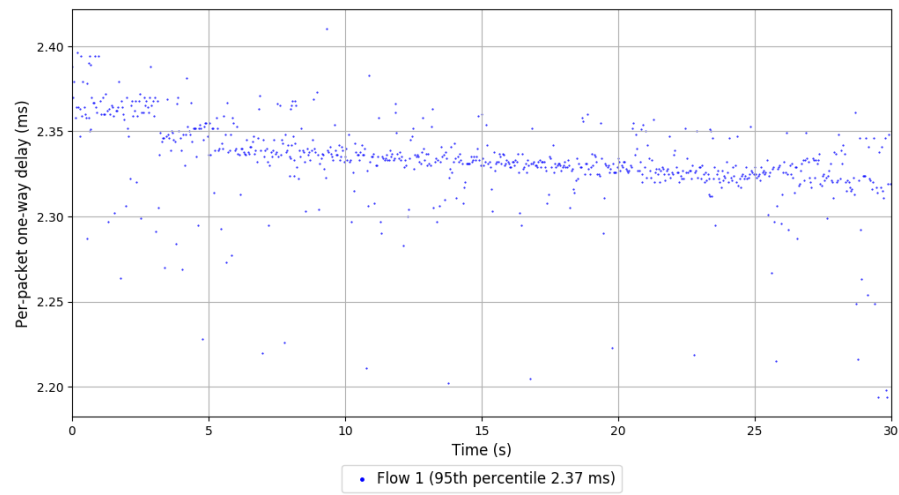
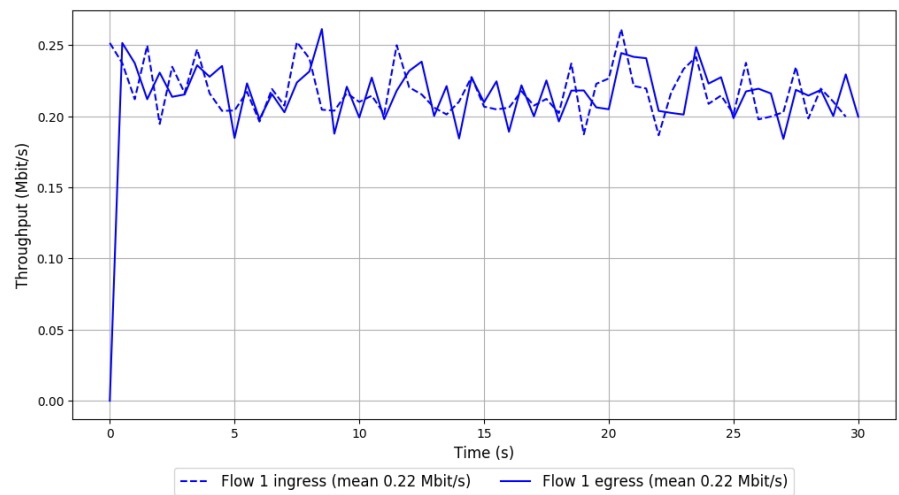


Run 4: Statistics of SCReAM

Start at: 2018-07-24 07:48:42
End at: 2018-07-24 07:49:12
Local clock offset: -11.356 ms
Remote clock offset: -7.369 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

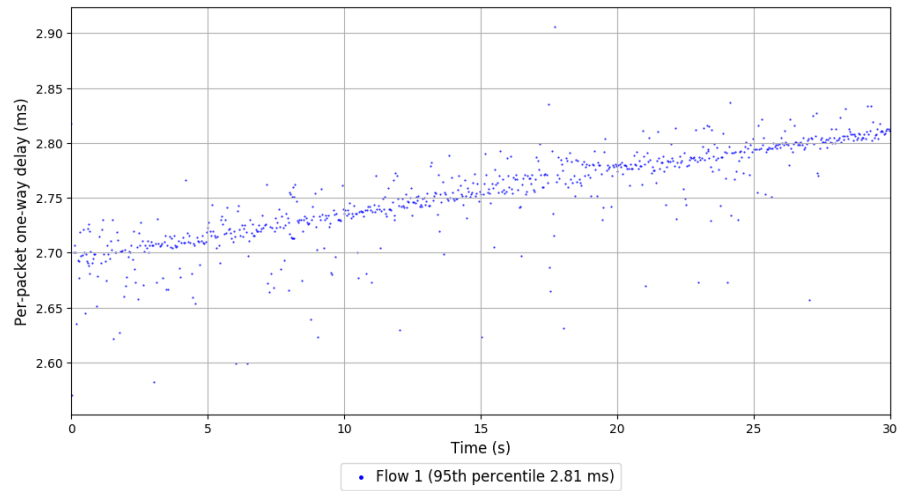
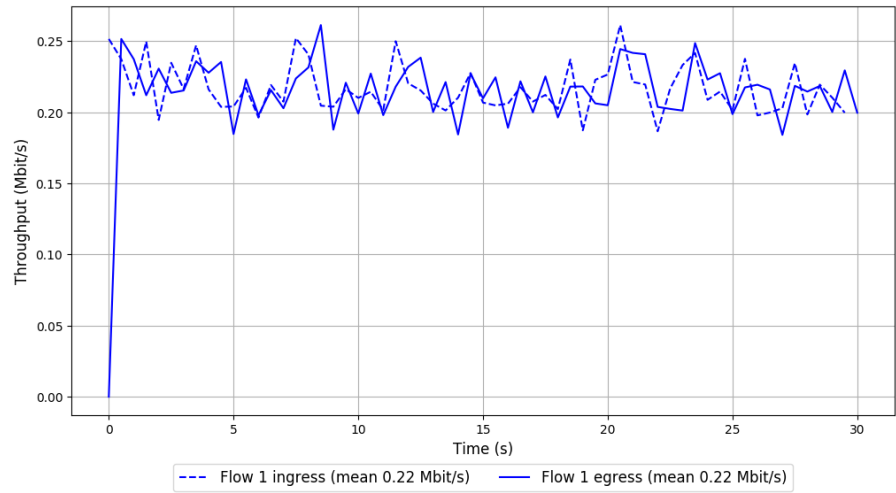


Run 5: Statistics of SCReAM

Start at: 2018-07-24 08:07:44
End at: 2018-07-24 08:08:14
Local clock offset: -8.672 ms
Remote clock offset: -4.539 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.810 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-24 08:26:46

End at: 2018-07-24 08:27:16

Local clock offset: -4.655 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-07-24 10:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.00%

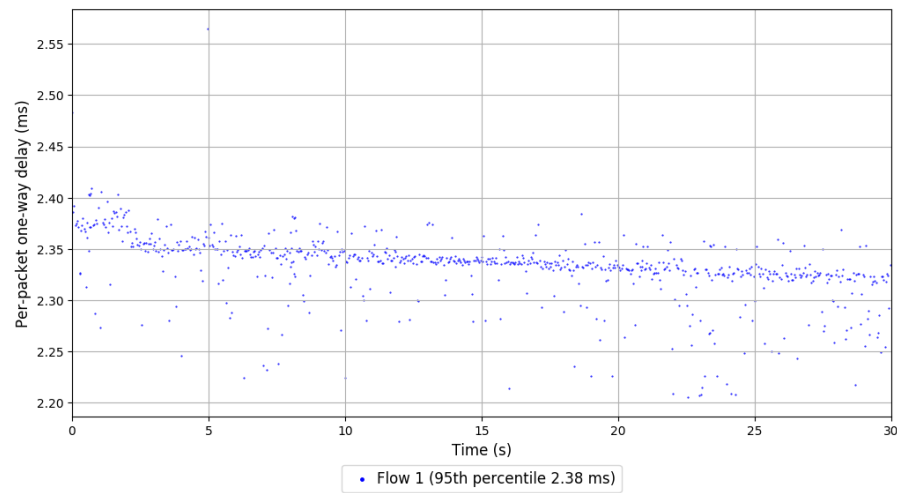
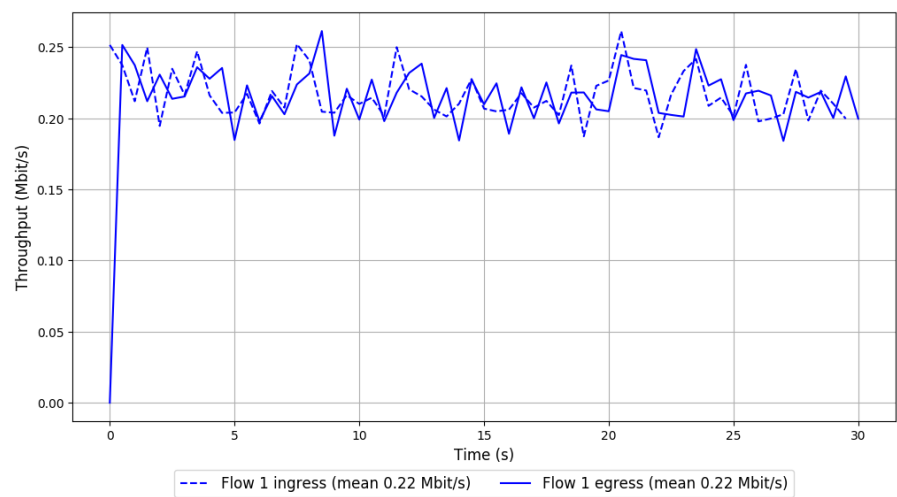
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-24 08:45:47

End at: 2018-07-24 08:46:17

Local clock offset: -2.816 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2018-07-24 10:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.464 ms

Loss rate: 0.00%

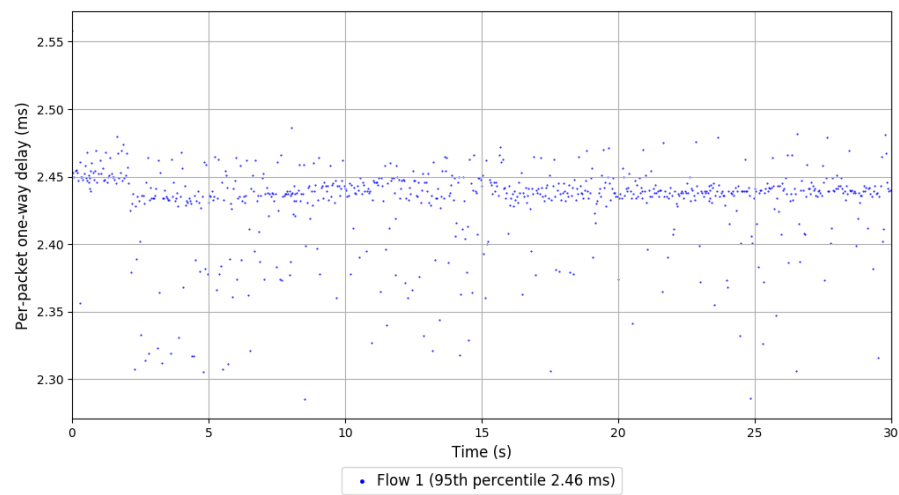
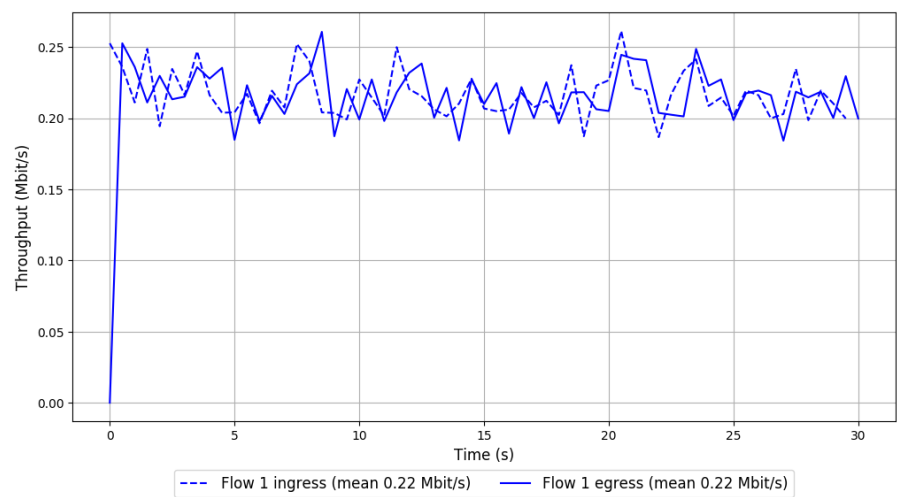
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.464 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

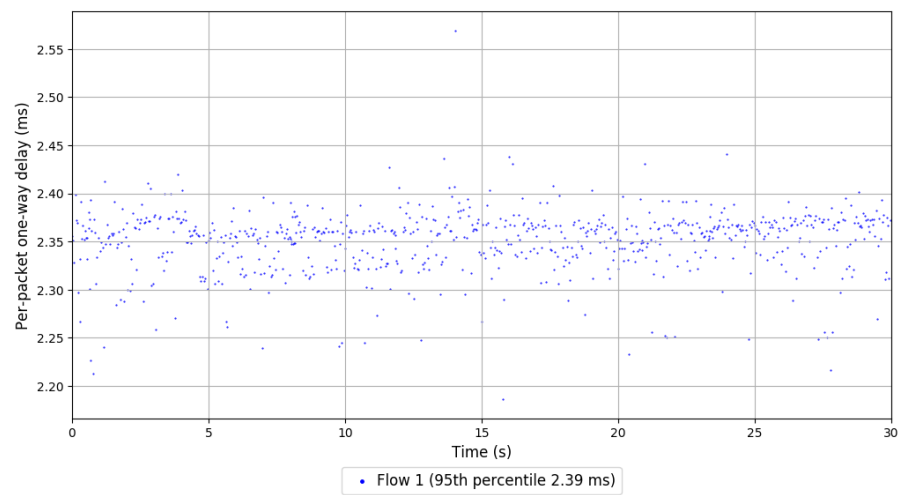
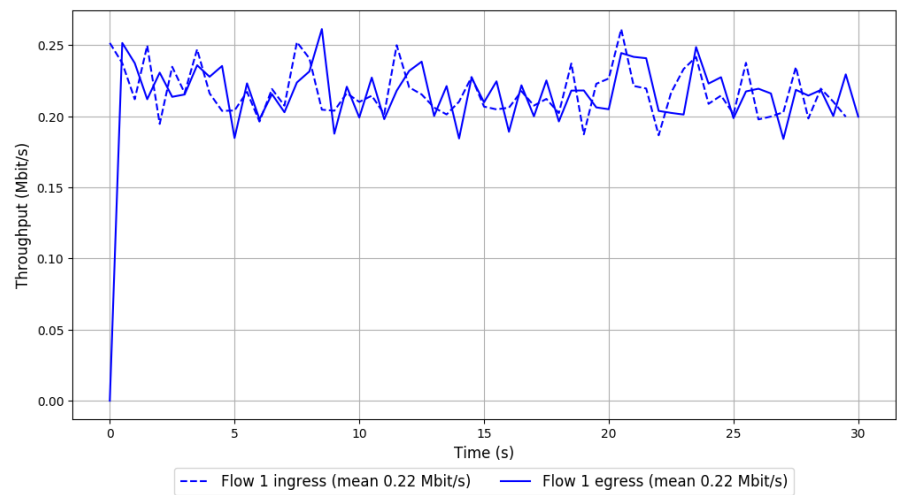


Run 8: Statistics of SCReAM

Start at: 2018-07-24 09:04:49
End at: 2018-07-24 09:05:19
Local clock offset: -2.449 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

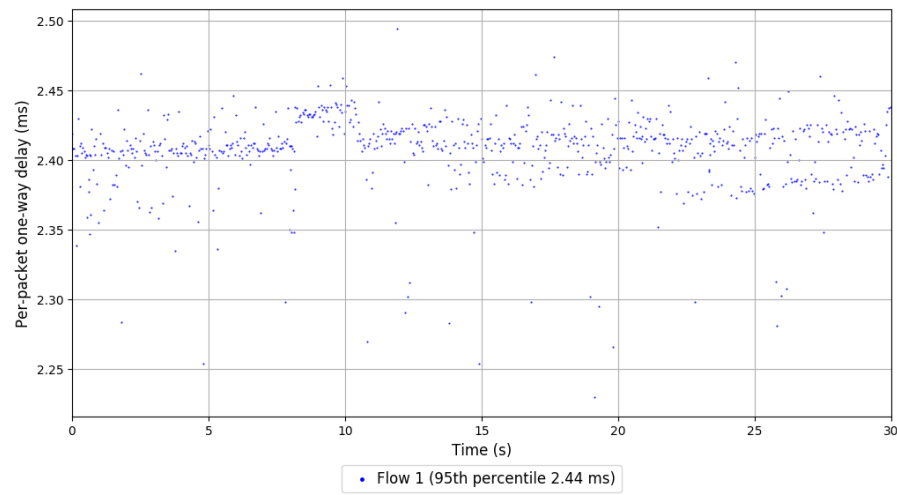
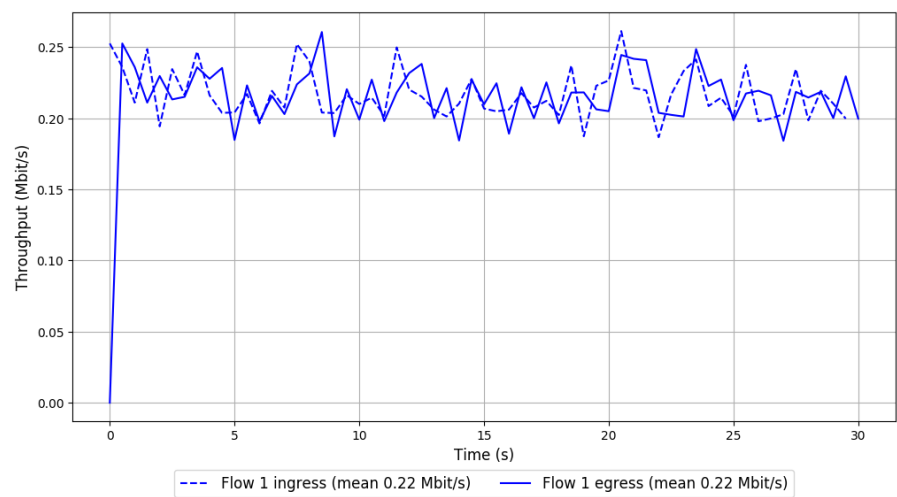


Run 9: Statistics of SCReAM

Start at: 2018-07-24 09:23:51
End at: 2018-07-24 09:24:21
Local clock offset: -2.005 ms
Remote clock offset: -1.772 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-24 09:42:53

End at: 2018-07-24 09:43:23

Local clock offset: -6.398 ms

Remote clock offset: -2.036 ms

Below is generated by plot.py at 2018-07-24 10:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.327 ms

Loss rate: 0.00%

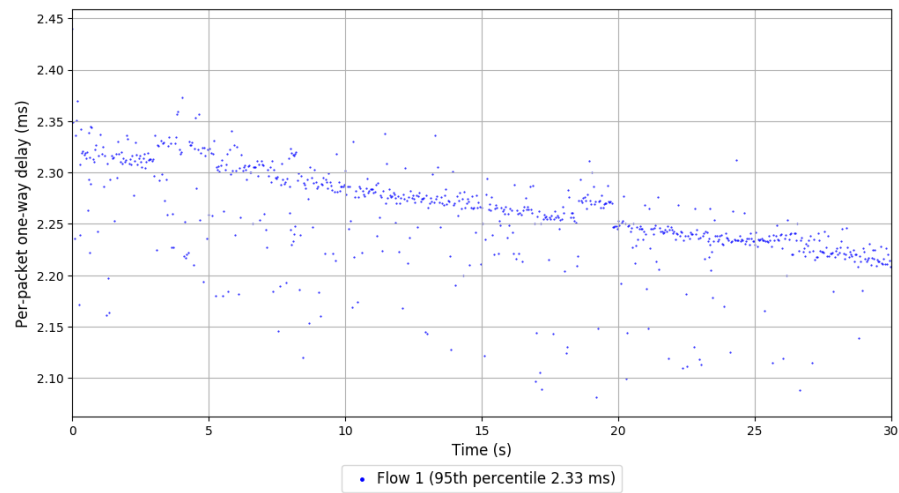
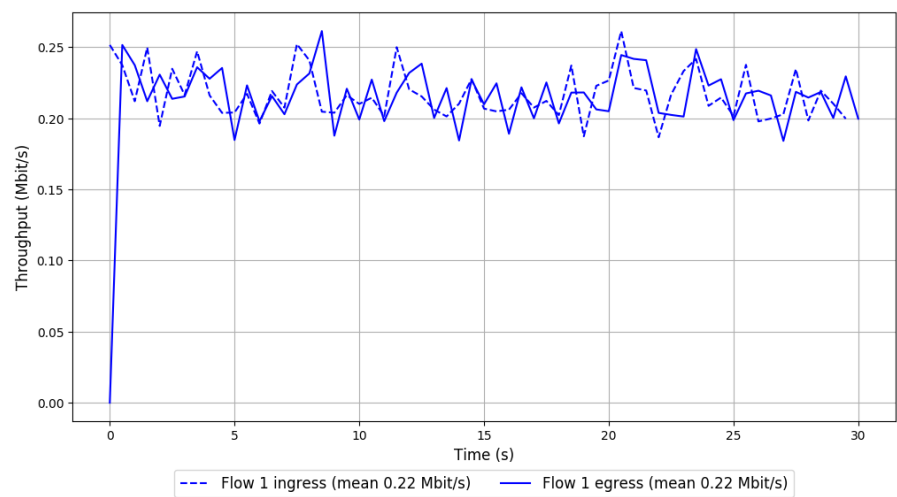
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.327 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

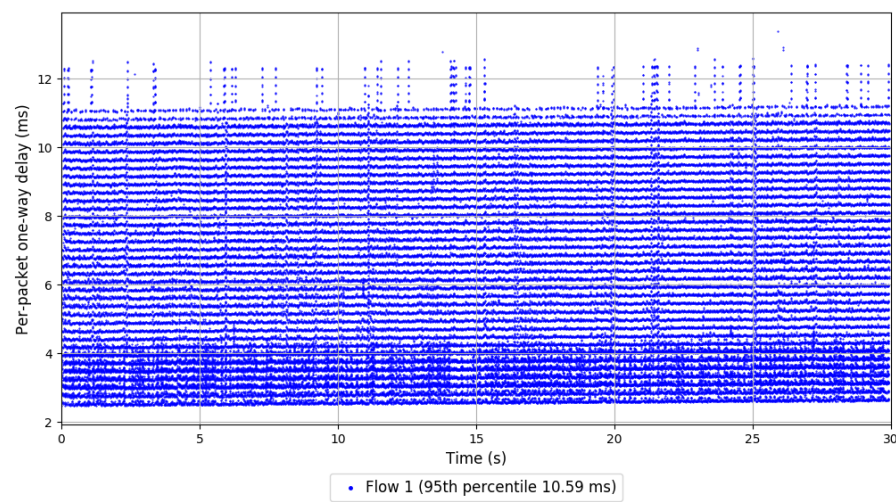
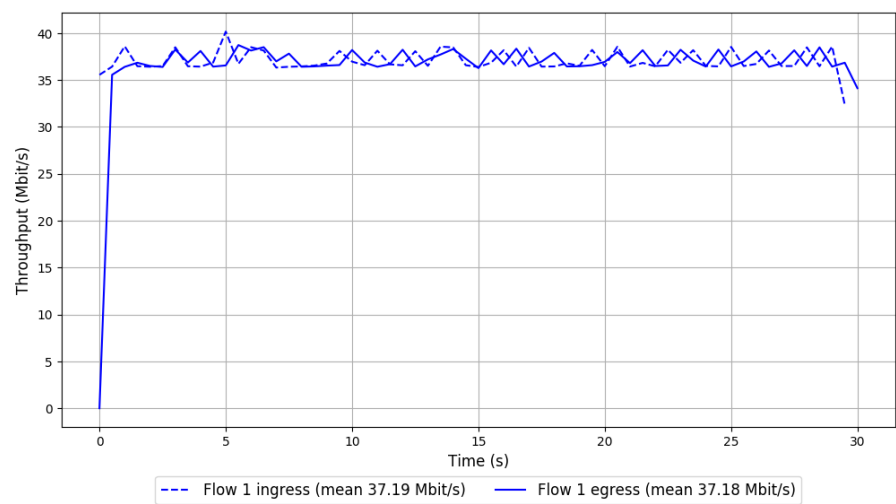


Run 1: Statistics of Sprout

Start at: 2018-07-24 06:43:50
End at: 2018-07-24 06:44:20
Local clock offset: -15.739 ms
Remote clock offset: -2.093 ms

Below is generated by plot.py at 2018-07-24 10:11:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

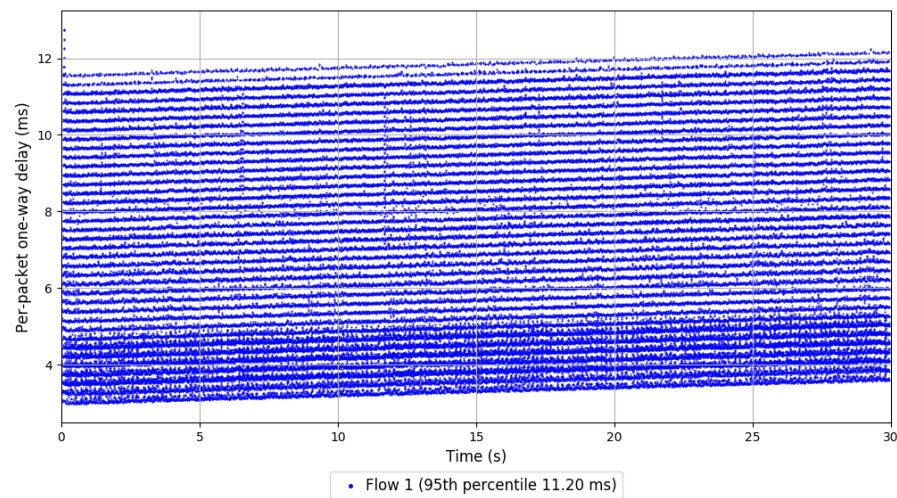
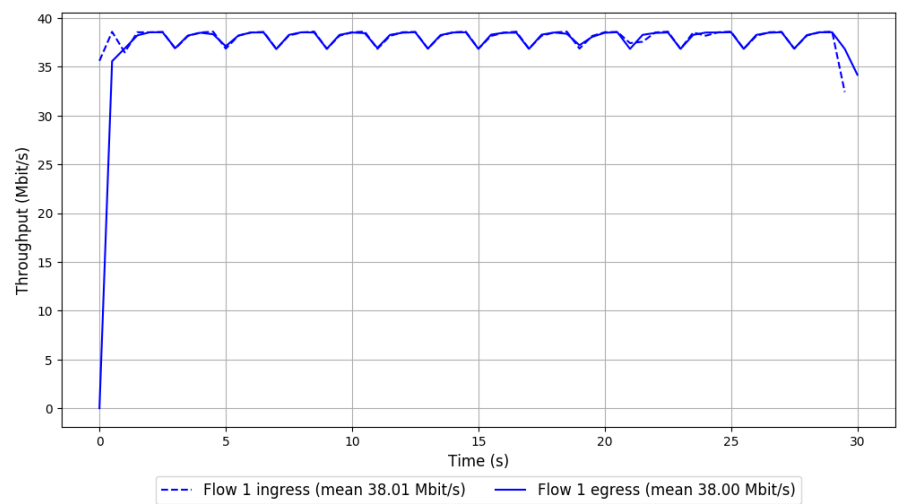


Run 2: Statistics of Sprout

Start at: 2018-07-24 07:02:51
End at: 2018-07-24 07:03:21
Local clock offset: -17.334 ms
Remote clock offset: -2.07 ms

Below is generated by plot.py at 2018-07-24 10:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 11.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 11.195 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

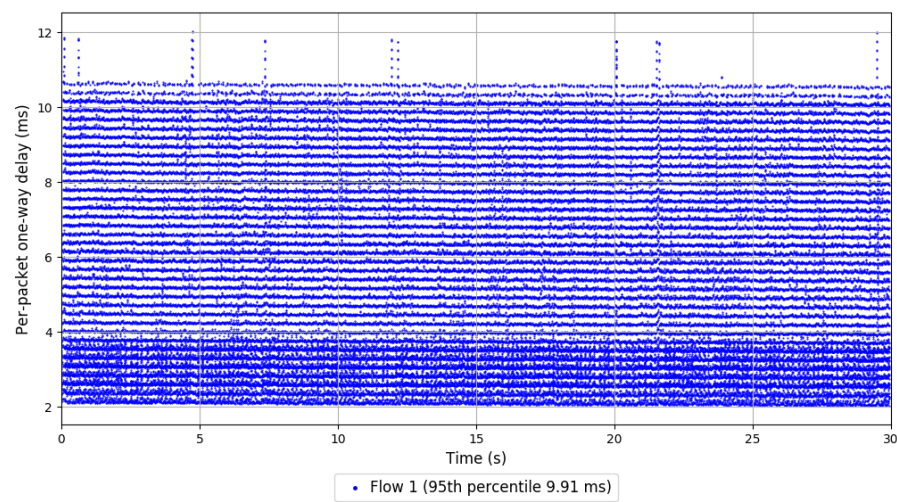
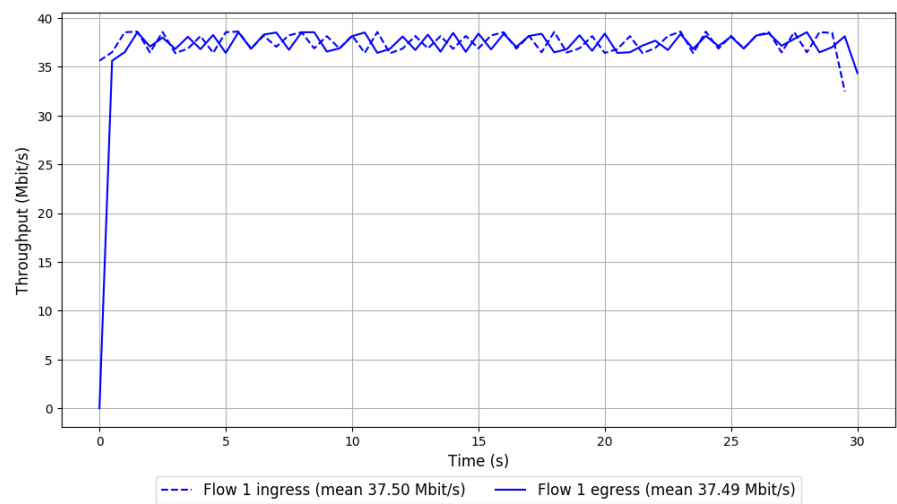


Run 3: Statistics of Sprout

Start at: 2018-07-24 07:21:53
End at: 2018-07-24 07:22:23
Local clock offset: -10.23 ms
Remote clock offset: -1.998 ms

Below is generated by plot.py at 2018-07-24 10:11:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 9.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 9.915 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

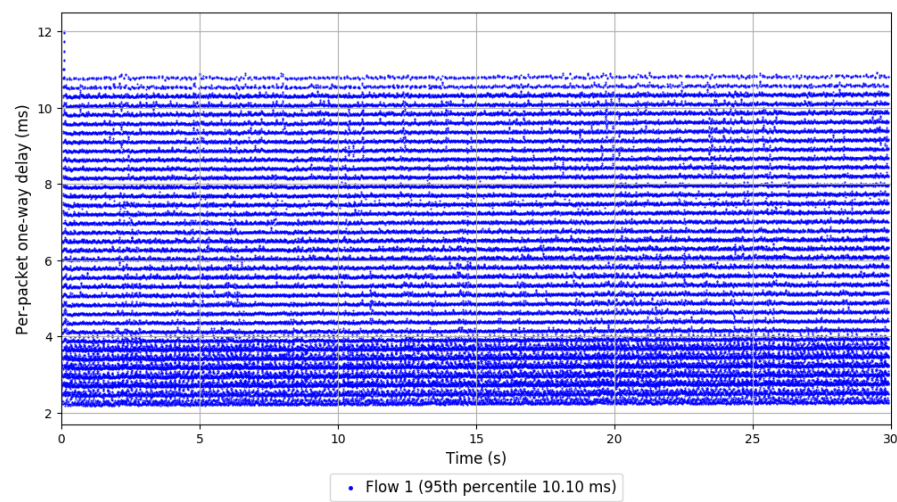
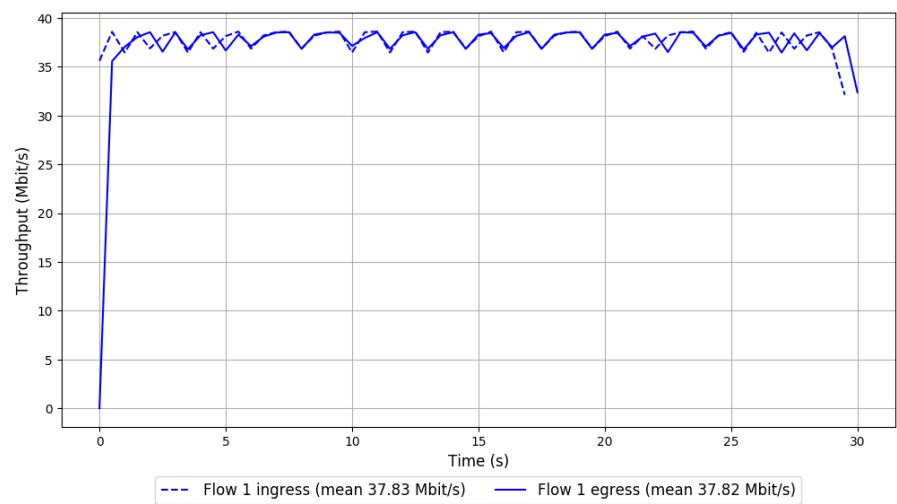


Run 4: Statistics of Sprout

Start at: 2018-07-24 07:40:55
End at: 2018-07-24 07:41:25
Local clock offset: -10.739 ms
Remote clock offset: -6.534 ms

Below is generated by plot.py at 2018-07-24 10:11:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 10.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 10.101 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

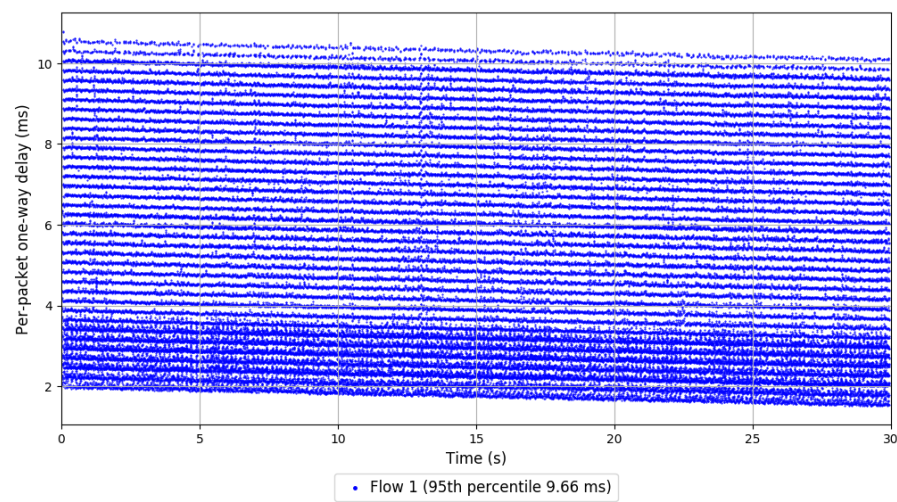
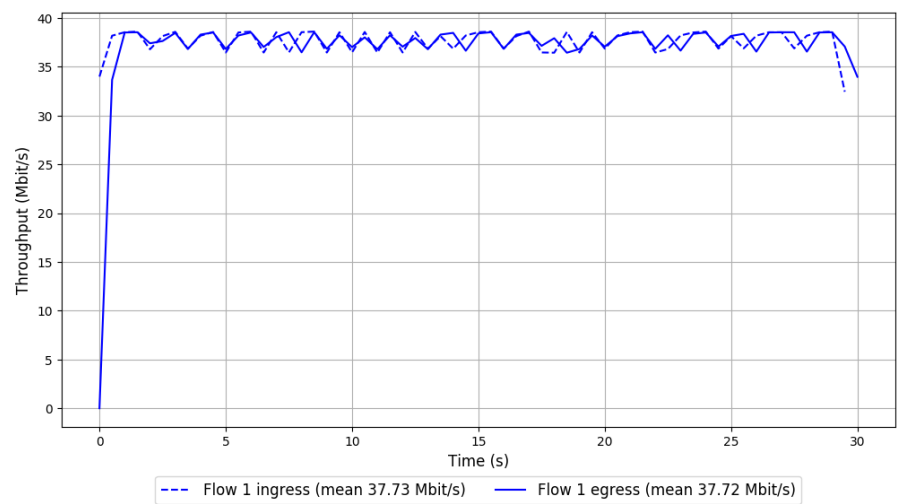


Run 5: Statistics of Sprout

Start at: 2018-07-24 07:59:56
End at: 2018-07-24 08:00:26
Local clock offset: -13.365 ms
Remote clock offset: -8.4 ms

Below is generated by plot.py at 2018-07-24 10:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 9.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 9.659 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

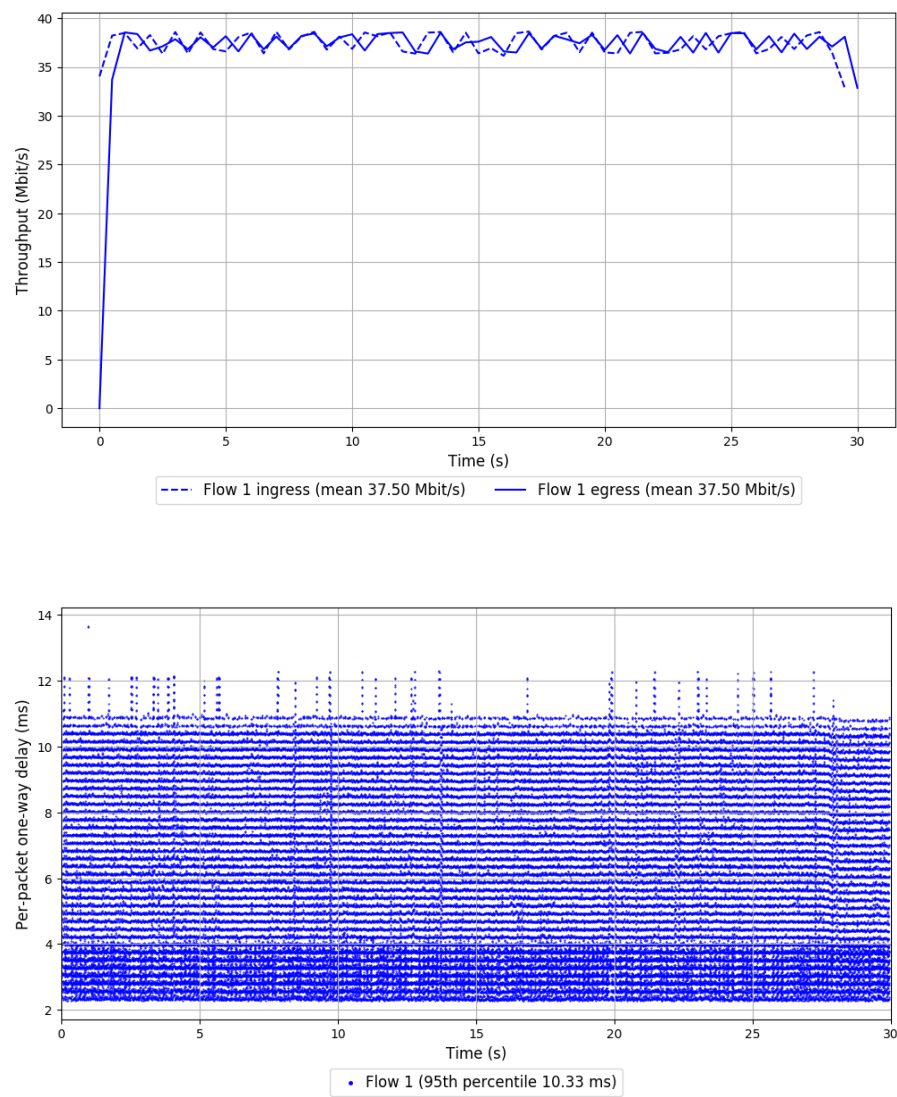


Run 6: Statistics of Sprout

Start at: 2018-07-24 08:18:58
End at: 2018-07-24 08:19:28
Local clock offset: -5.097 ms
Remote clock offset: -2.162 ms

Below is generated by plot.py at 2018-07-24 10:11:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 10.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 10.332 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

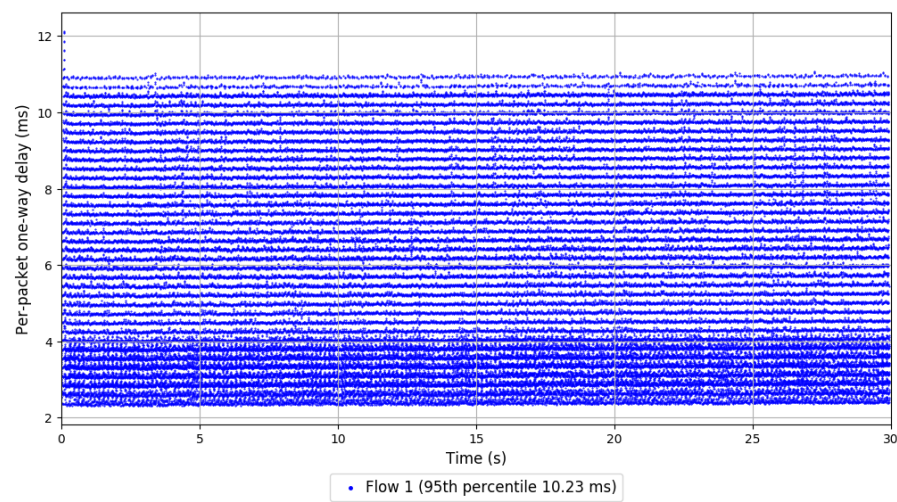
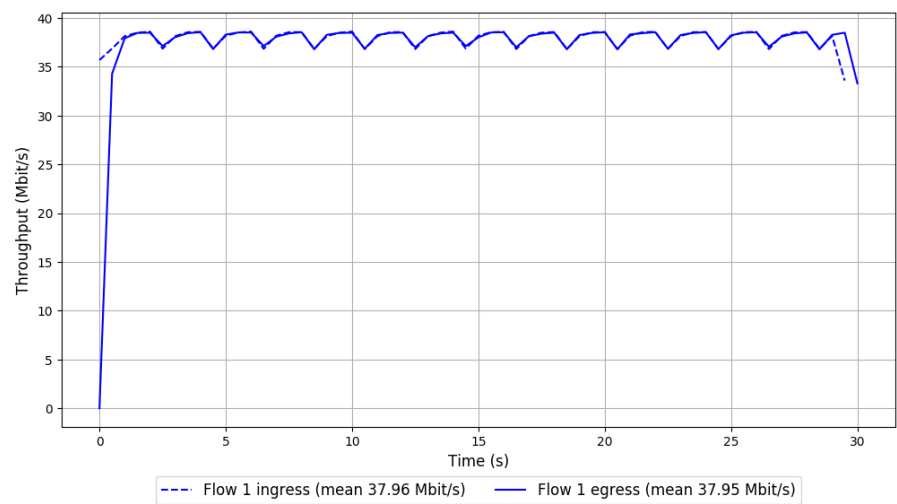


Run 7: Statistics of Sprout

Start at: 2018-07-24 08:38:00
End at: 2018-07-24 08:38:30
Local clock offset: -3.451 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2018-07-24 10:11:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 10.229 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 10.229 ms
Loss rate: 0.01%

Run 7: Report of Sprout — Data Link

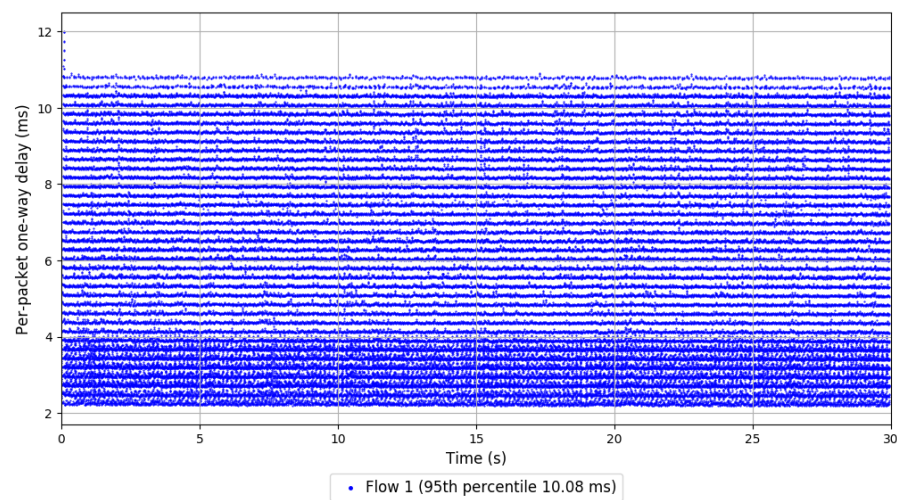
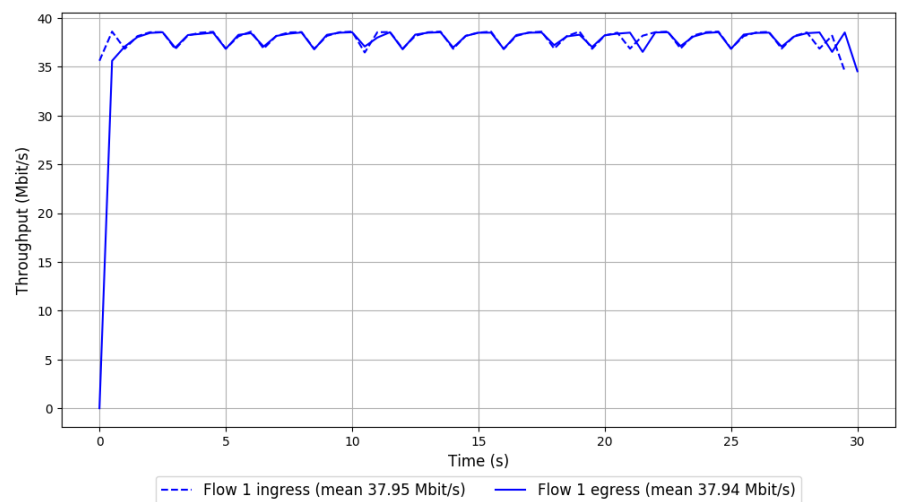


Run 8: Statistics of Sprout

Start at: 2018-07-24 08:57:01
End at: 2018-07-24 08:57:31
Local clock offset: -2.728 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-07-24 10:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 10.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 10.077 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

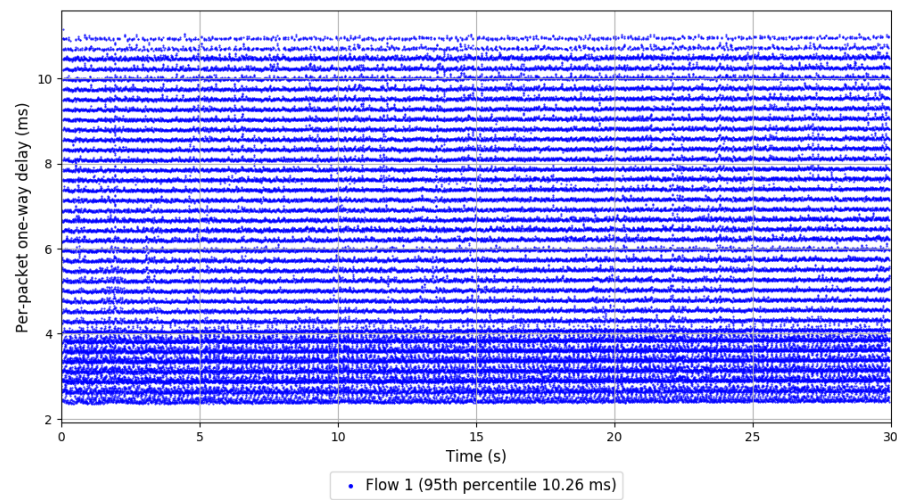
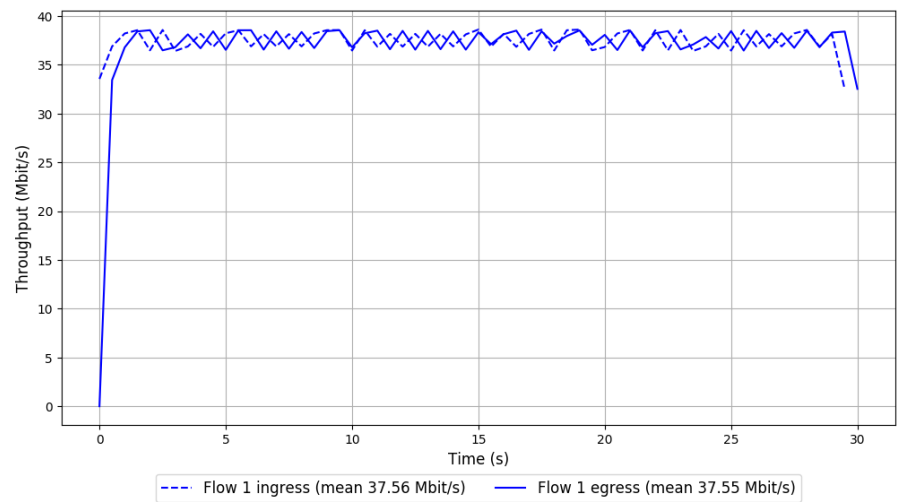


Run 9: Statistics of Sprout

Start at: 2018-07-24 09:16:03
End at: 2018-07-24 09:16:33
Local clock offset: -2.143 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2018-07-24 10:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 10.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 10.258 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

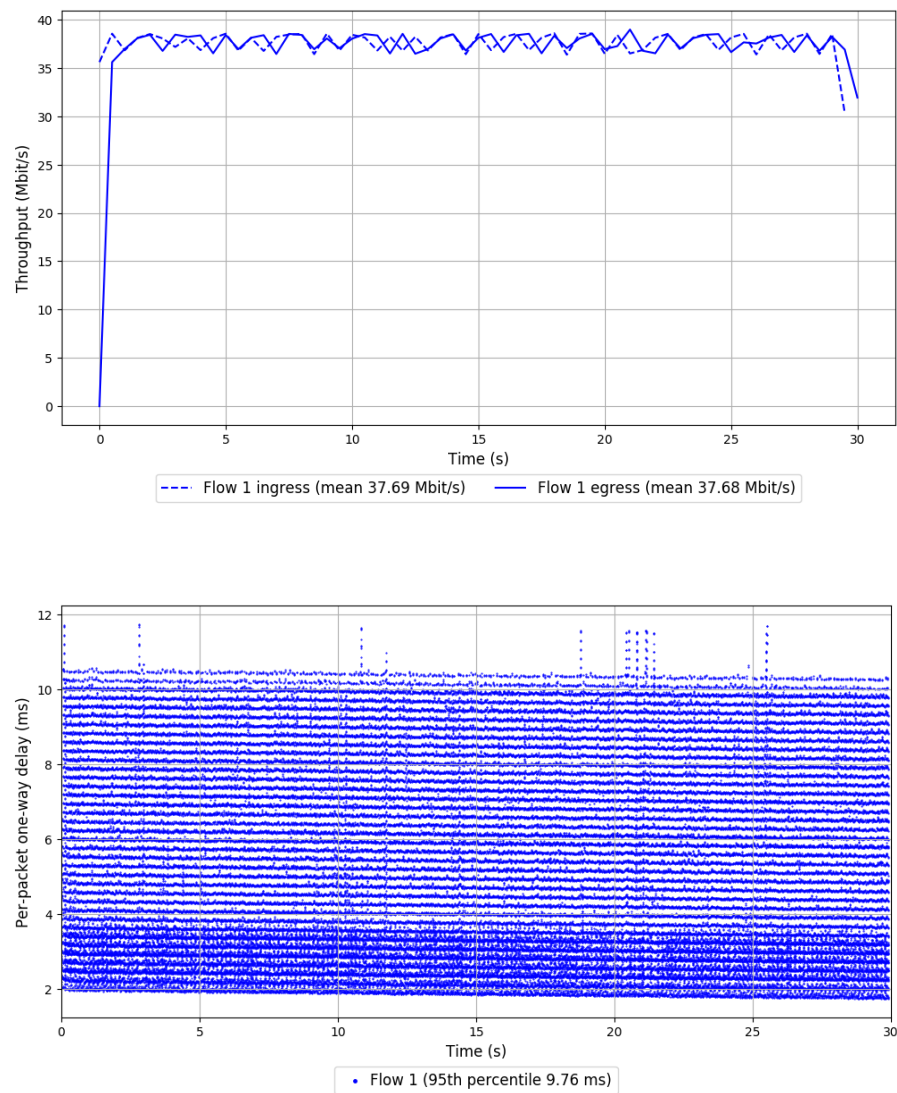


Run 10: Statistics of Sprout

Start at: 2018-07-24 09:35:05
End at: 2018-07-24 09:35:35
Local clock offset: -3.793 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2018-07-24 10:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 9.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 9.755 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

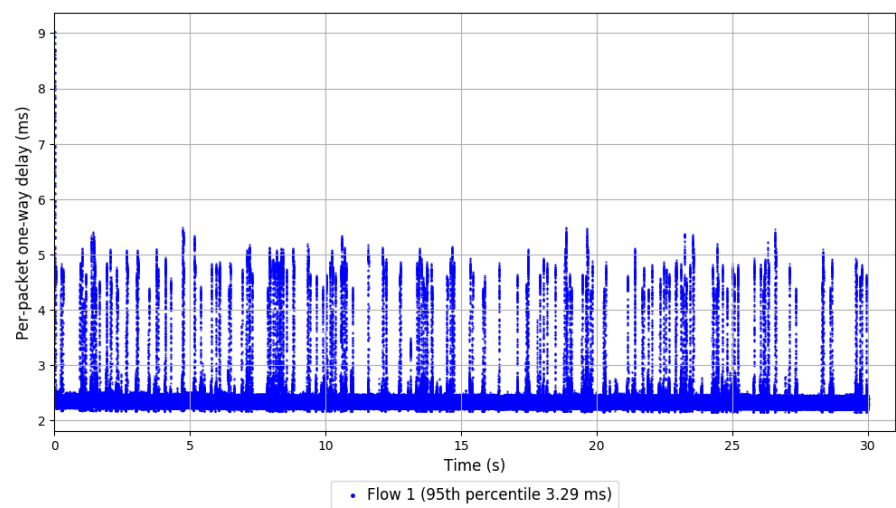
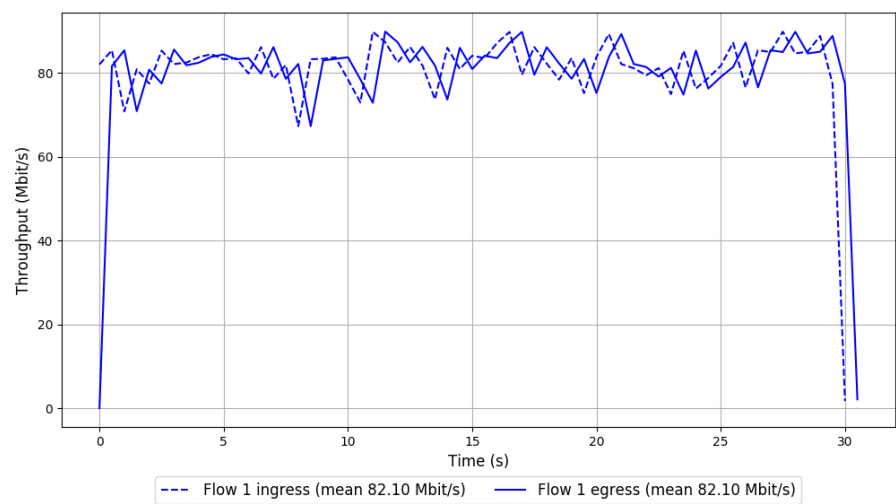


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 06:48:15
End at: 2018-07-24 06:48:45
Local clock offset: -14.929 ms
Remote clock offset: -2.133 ms

Below is generated by plot.py at 2018-07-24 10:13:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 3.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 3.294 ms
Loss rate: 0.00%

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

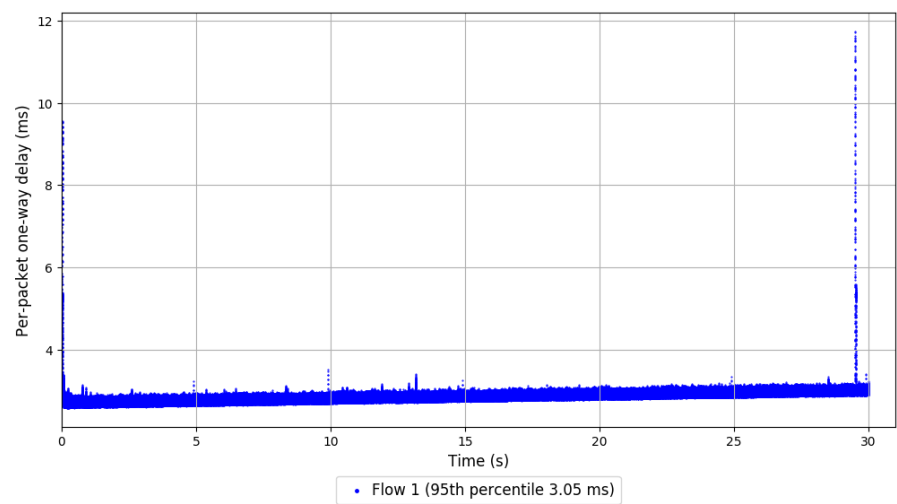
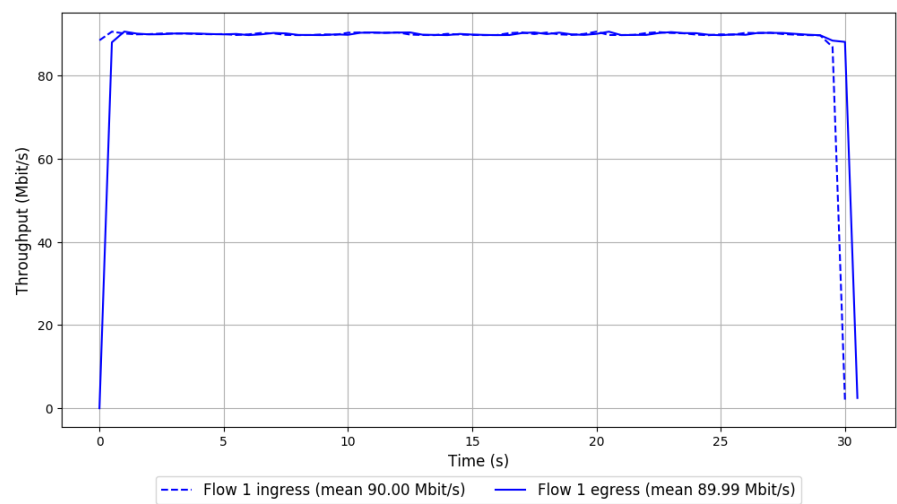


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 07:07:17
End at: 2018-07-24 07:07:47
Local clock offset: -12.797 ms
Remote clock offset: -2.064 ms

Below is generated by plot.py at 2018-07-24 10:13:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 3.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 3.048 ms
Loss rate: 0.00%

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

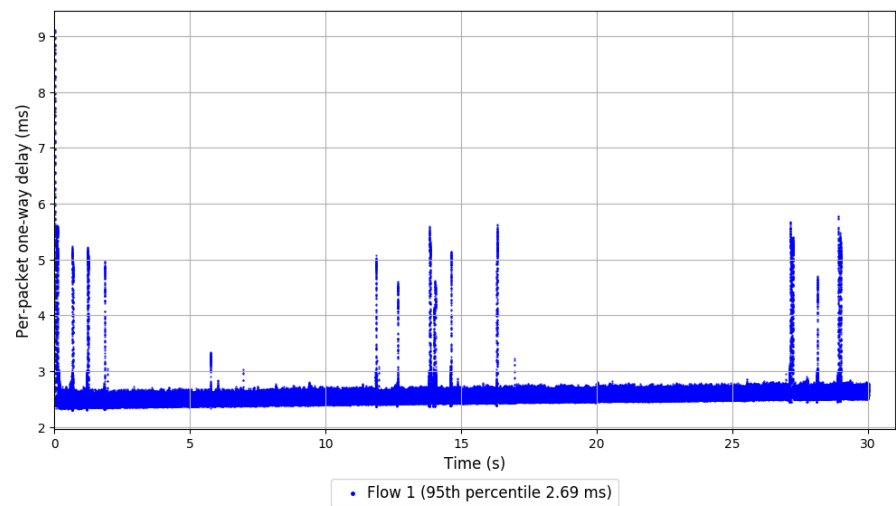
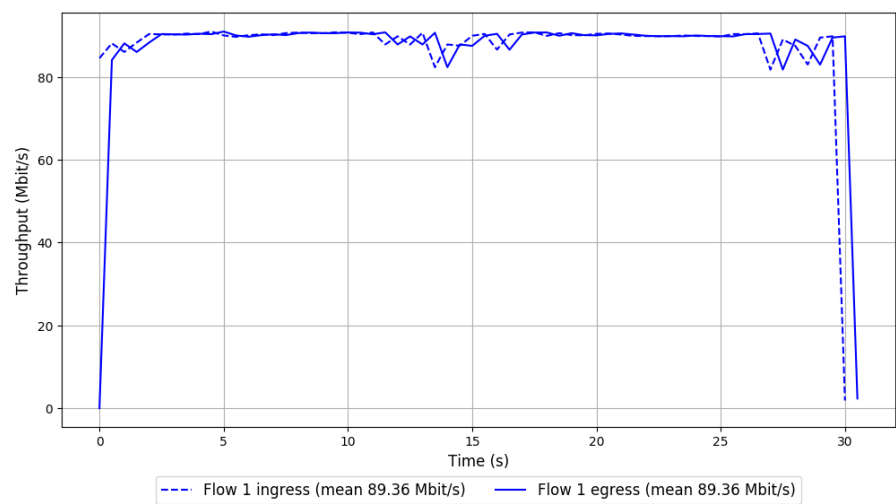


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 07:26:19
End at: 2018-07-24 07:26:49
Local clock offset: -11.011 ms
Remote clock offset: -2.106 ms

Below is generated by plot.py at 2018-07-24 10:13:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 2.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 2.694 ms
Loss rate: 0.00%

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

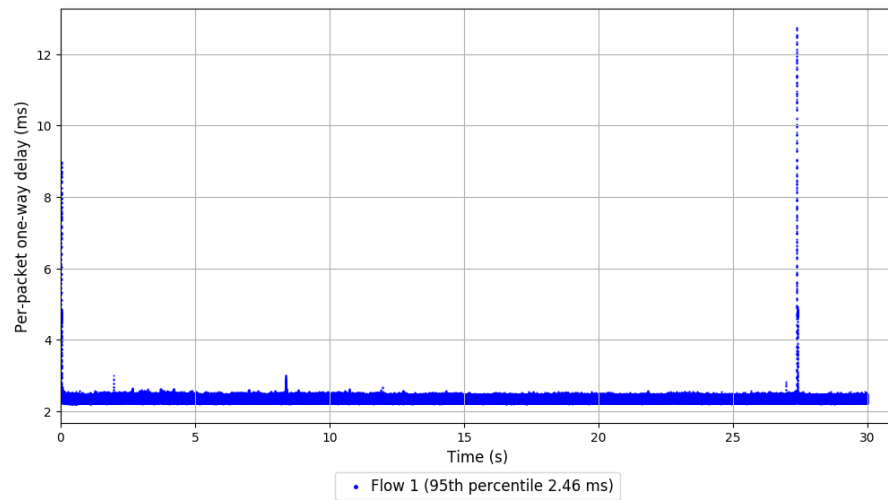
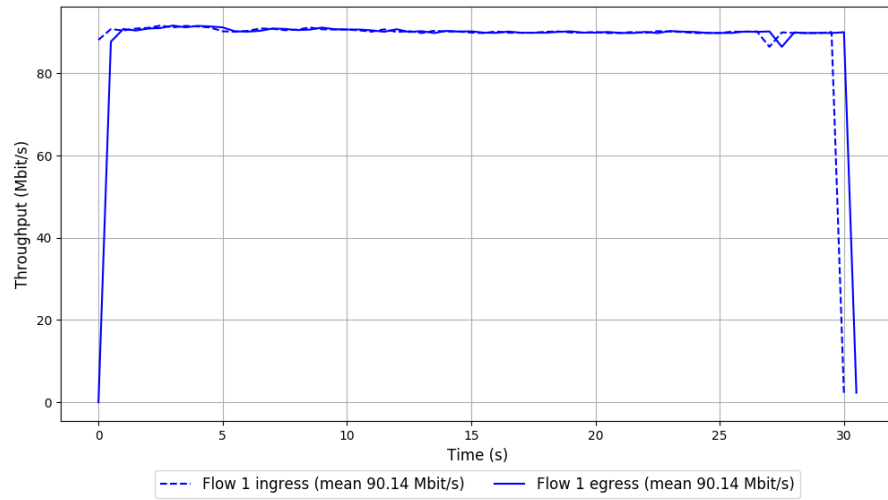


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 07:45:20
End at: 2018-07-24 07:45:50
Local clock offset: -10.986 ms
Remote clock offset: -7.068 ms

Below is generated by plot.py at 2018-07-24 10:13:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%

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

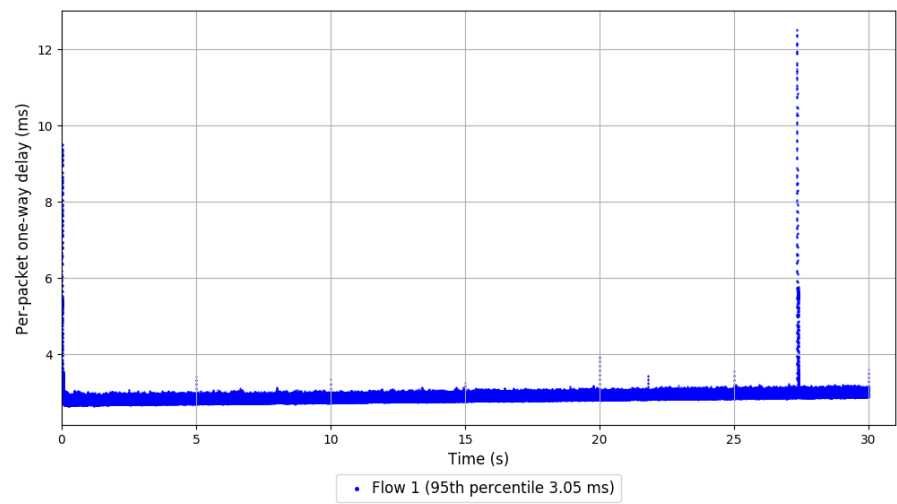
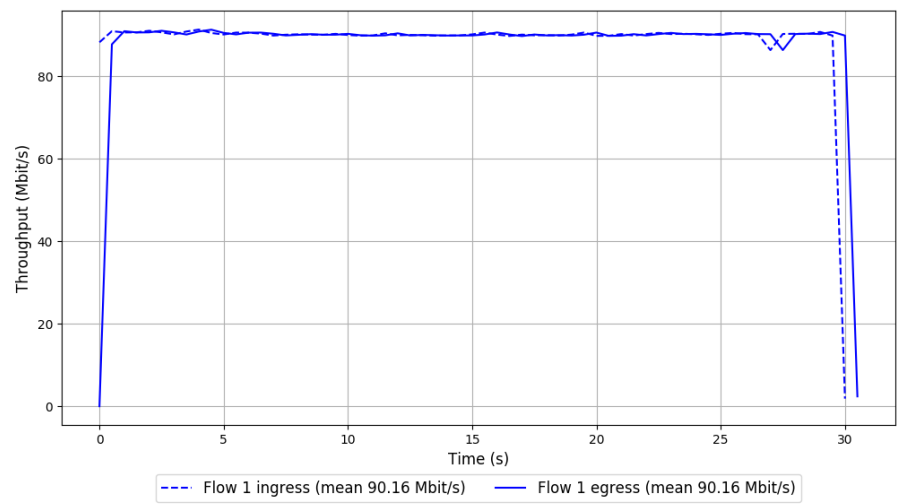


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 08:04:22
End at: 2018-07-24 08:04:52
Local clock offset: -11.114 ms
Remote clock offset: -5.756 ms

Below is generated by plot.py at 2018-07-24 10:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 3.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 3.046 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 08:23:24

End at: 2018-07-24 08:23:54

Local clock offset: -4.769 ms

Remote clock offset: -1.778 ms

Below is generated by plot.py at 2018-07-24 10:13:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.03 Mbit/s

95th percentile per-packet one-way delay: 2.573 ms

Loss rate: 0.00%

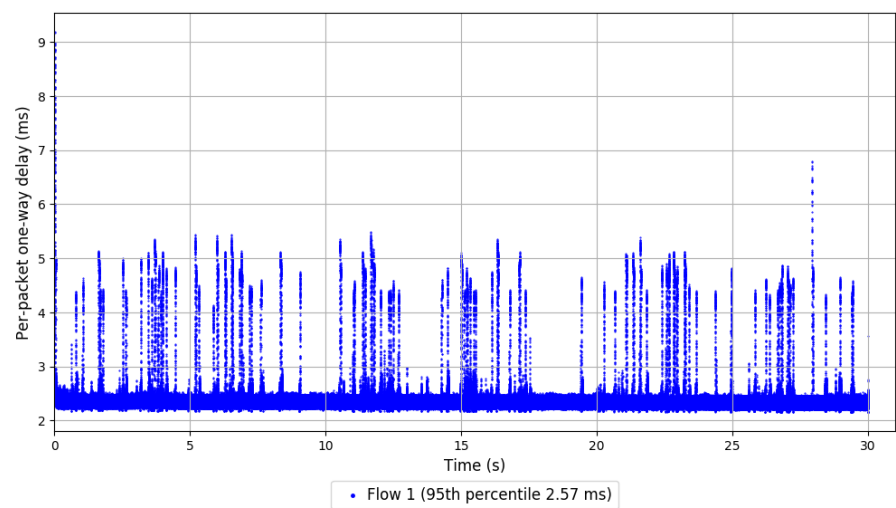
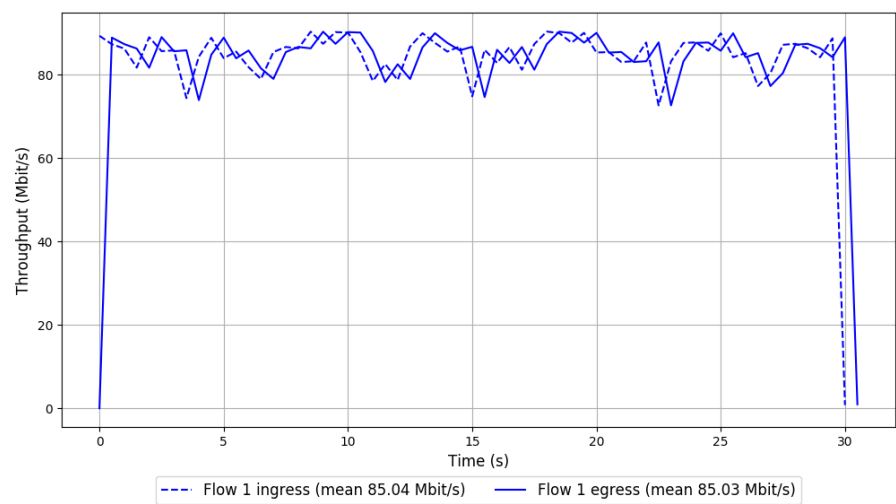
-- Flow 1:

Average throughput: 85.03 Mbit/s

95th percentile per-packet one-way delay: 2.573 ms

Loss rate: 0.00%

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

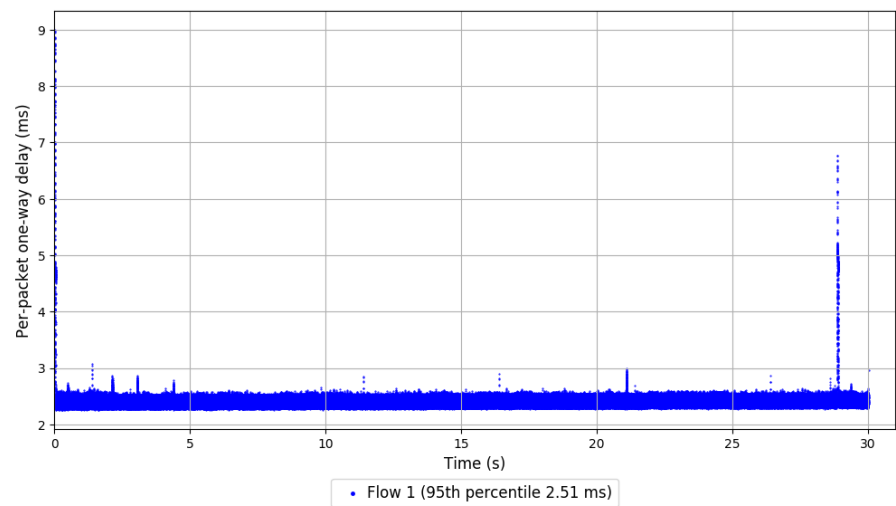
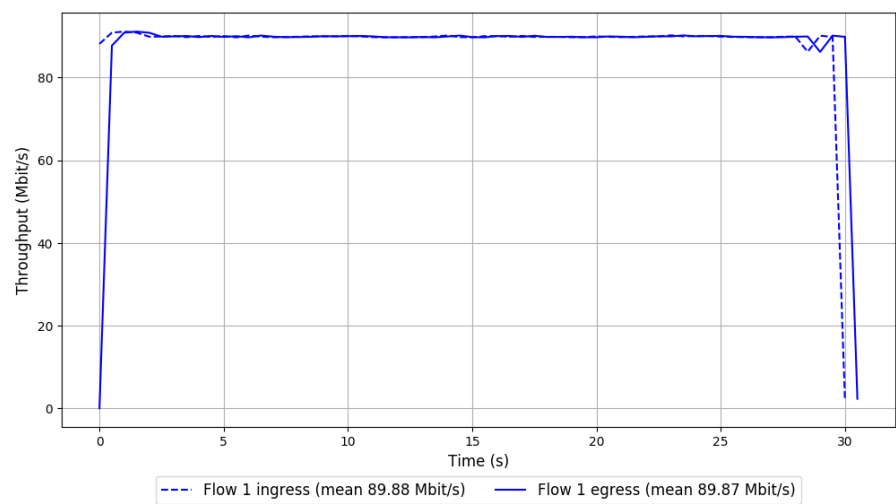


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 08:42:25
End at: 2018-07-24 08:42:55
Local clock offset: -3.003 ms
Remote clock offset: -1.028 ms

Below is generated by plot.py at 2018-07-24 10:14:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-24 09:01:27

End at: 2018-07-24 09:01:57

Local clock offset: -2.743 ms

Remote clock offset: -0.522 ms

Below is generated by plot.py at 2018-07-24 10:14:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 2.525 ms

Loss rate: 0.00%

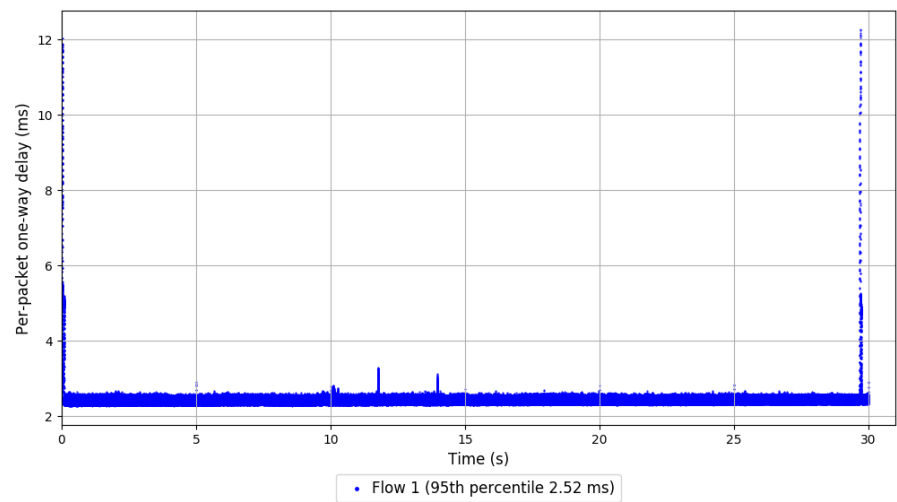
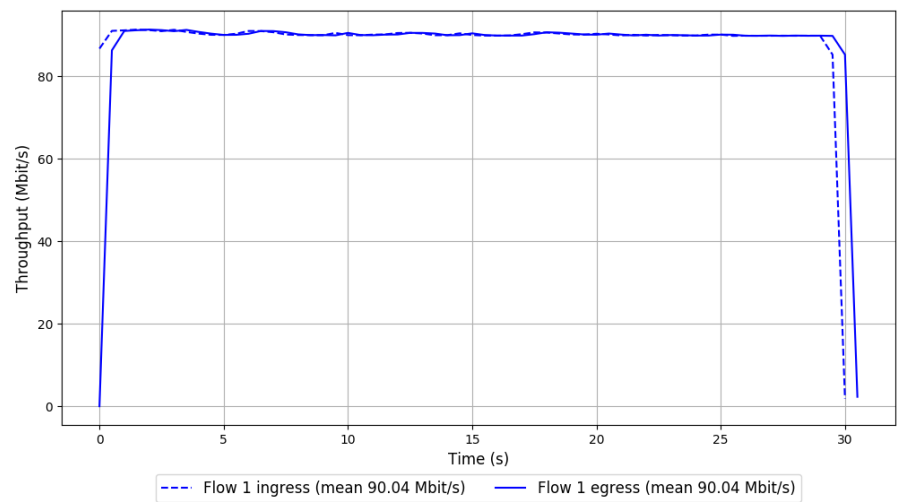
-- Flow 1:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 2.525 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 09:20:29

End at: 2018-07-24 09:20:59

Local clock offset: -2.03 ms

Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-07-24 10:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 2.529 ms

Loss rate: 0.00%

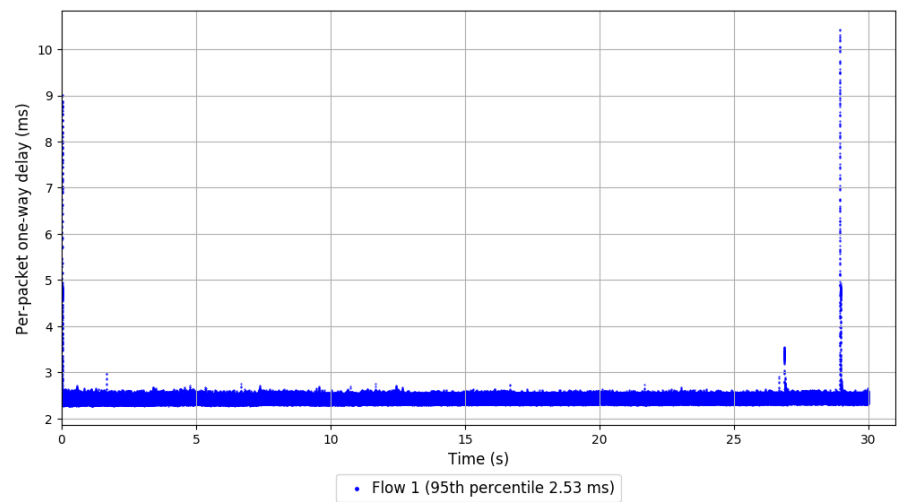
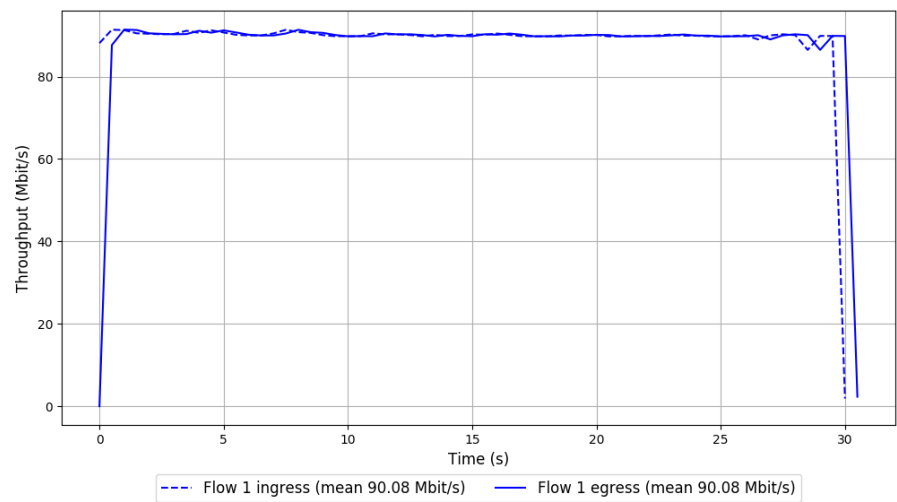
-- Flow 1:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 2.529 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 09:39:31

End at: 2018-07-24 09:40:01

Local clock offset: -5.456 ms

Remote clock offset: -1.995 ms

Below is generated by plot.py at 2018-07-24 10:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.00%

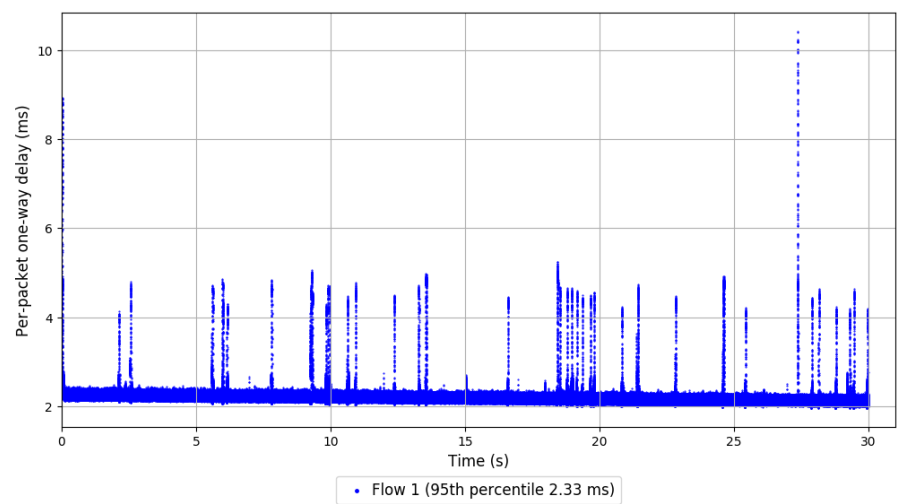
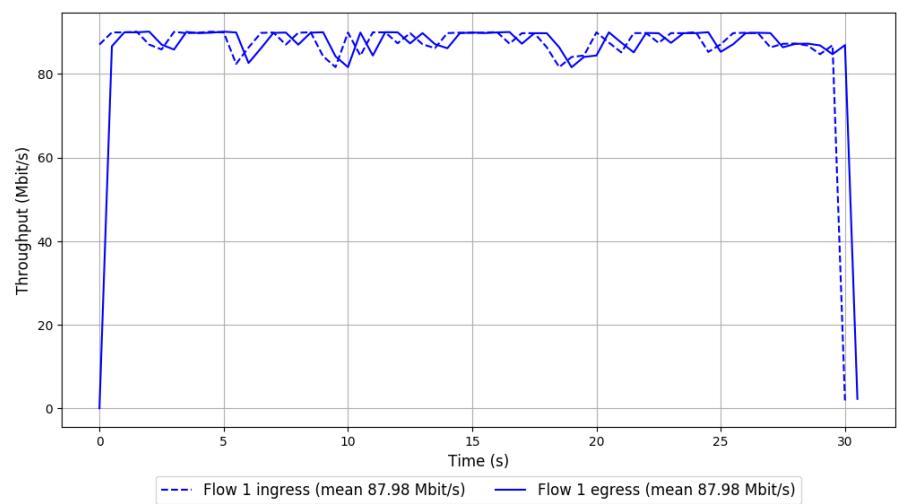
-- Flow 1:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.00%

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

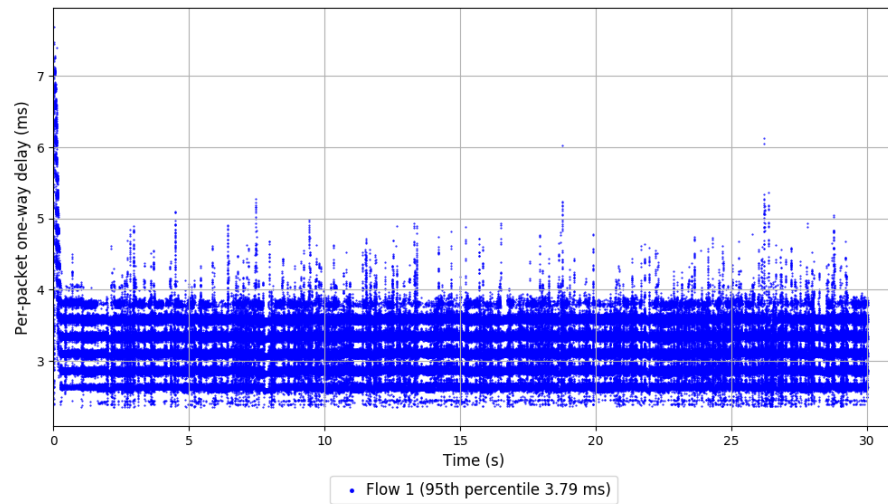
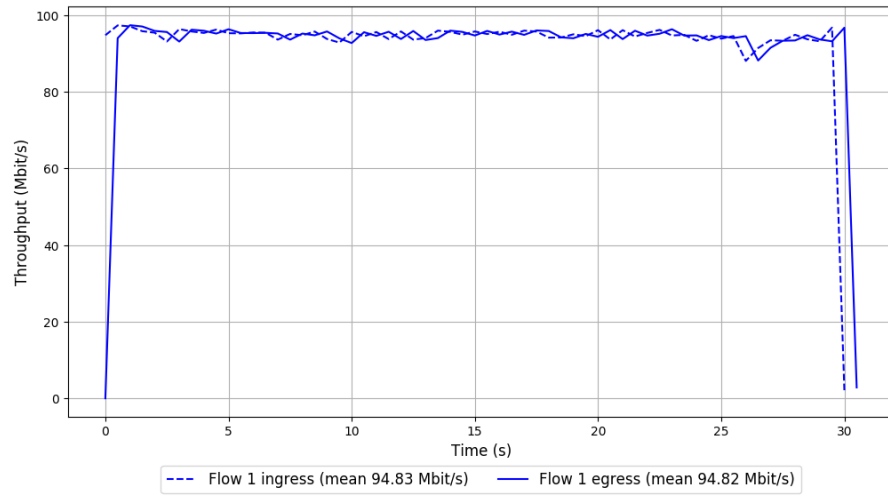


Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 06:47:08
End at: 2018-07-24 06:47:38
Local clock offset: -15.044 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2018-07-24 10:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 3.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 3.794 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

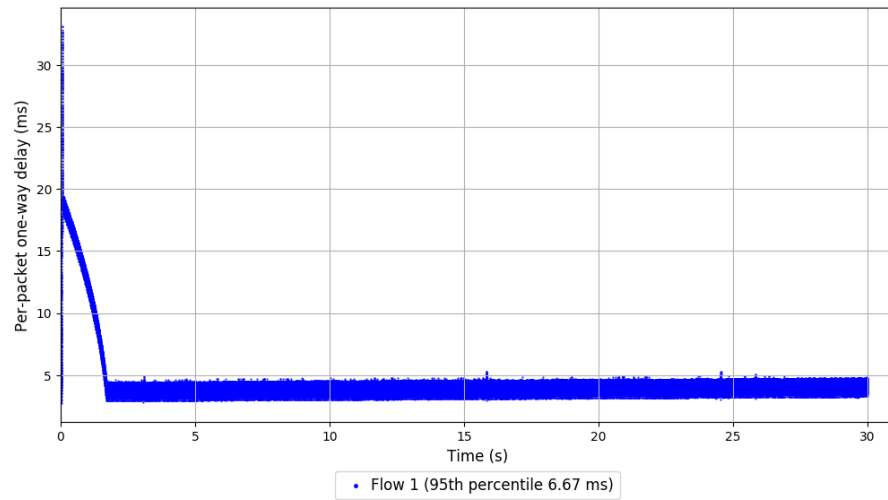
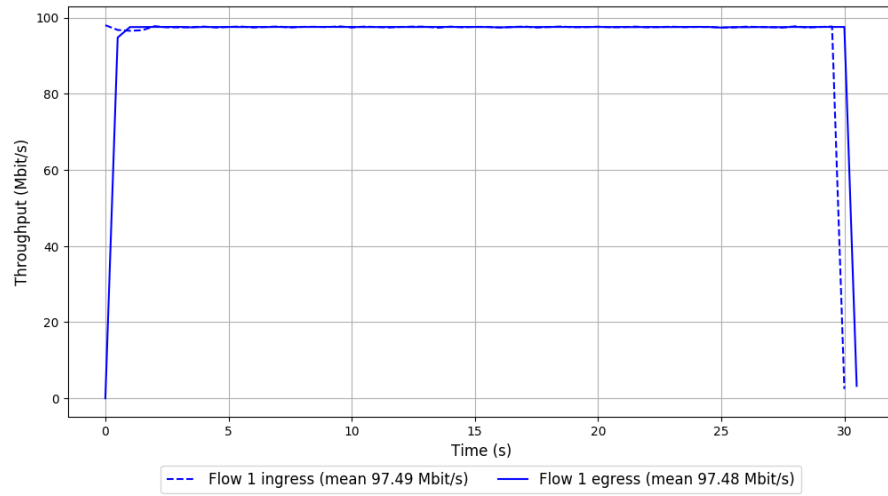


Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 07:06:09
End at: 2018-07-24 07:06:39
Local clock offset: -13.663 ms
Remote clock offset: -2.059 ms

Below is generated by plot.py at 2018-07-24 10:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 6.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 6.672 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

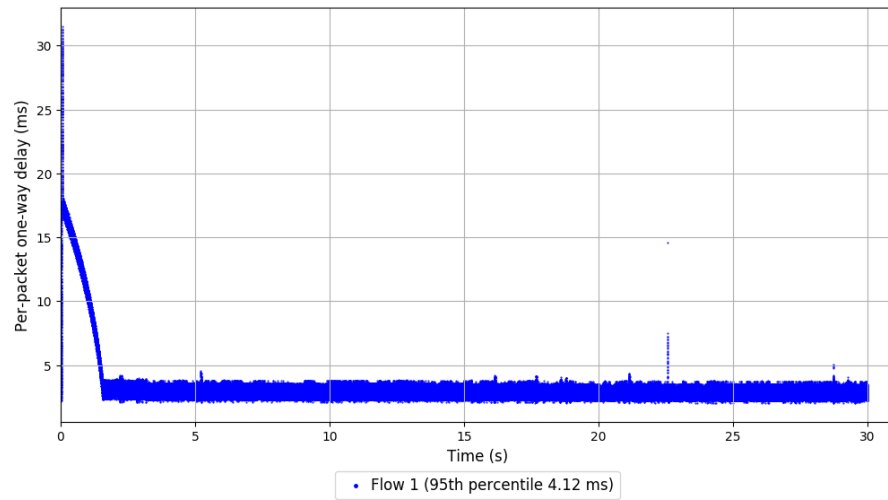
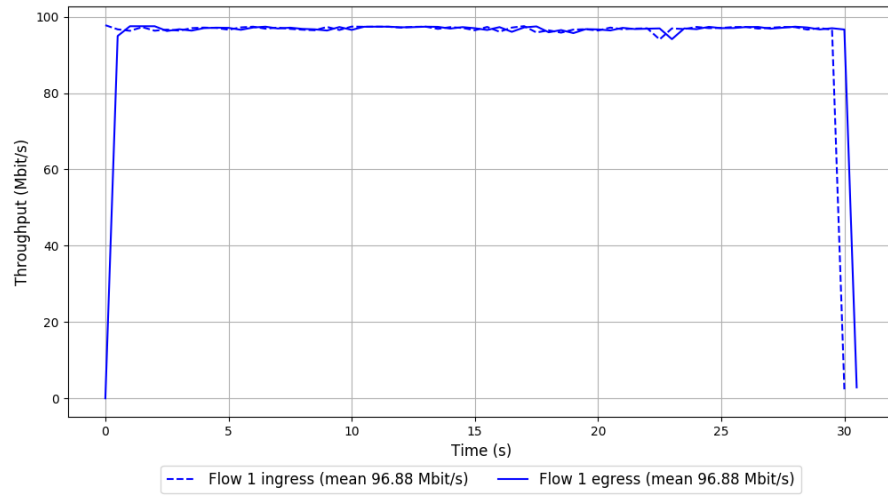


Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 07:25:11
End at: 2018-07-24 07:25:41
Local clock offset: -10.796 ms
Remote clock offset: -1.969 ms

Below is generated by plot.py at 2018-07-24 10:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 4.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 4.122 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

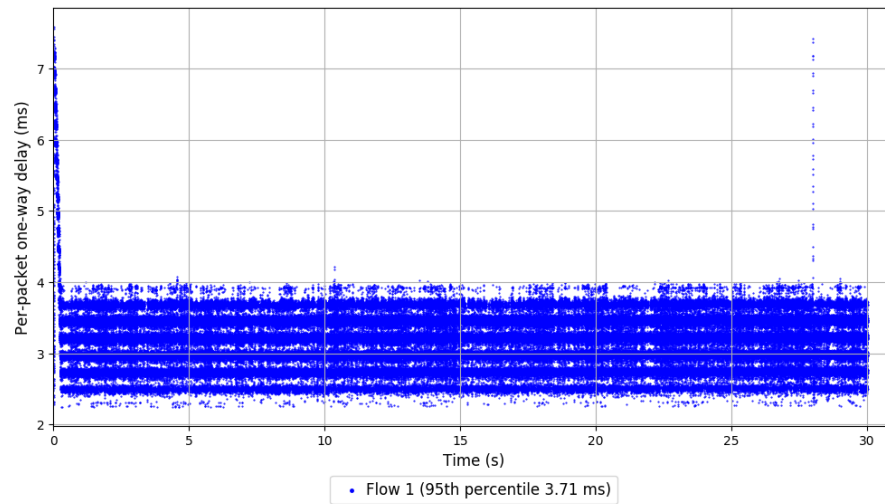
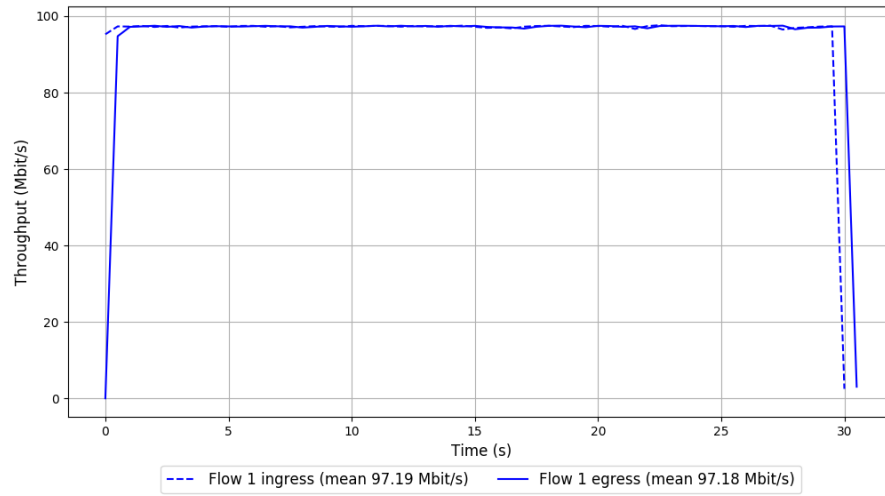


Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 07:44:13
End at: 2018-07-24 07:44:43
Local clock offset: -10.896 ms
Remote clock offset: -6.904 ms

Below is generated by plot.py at 2018-07-24 10:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 08:03:15

End at: 2018-07-24 08:03:45

Local clock offset: -12.33 ms

Remote clock offset: -6.27 ms

Below is generated by plot.py at 2018-07-24 10:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 4.766 ms

Loss rate: 0.00%

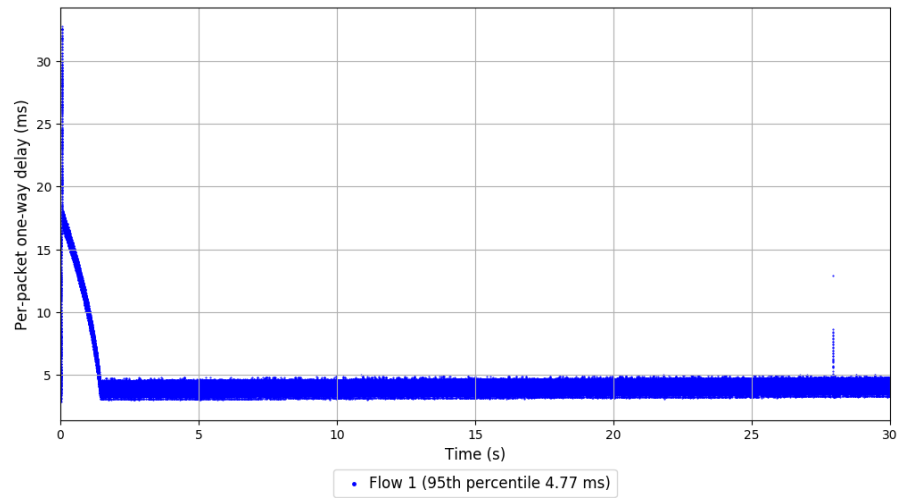
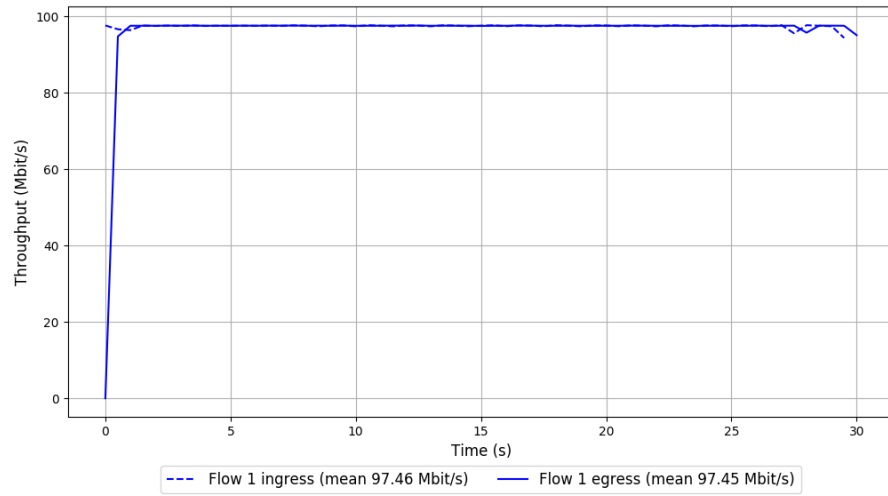
-- Flow 1:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 4.766 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

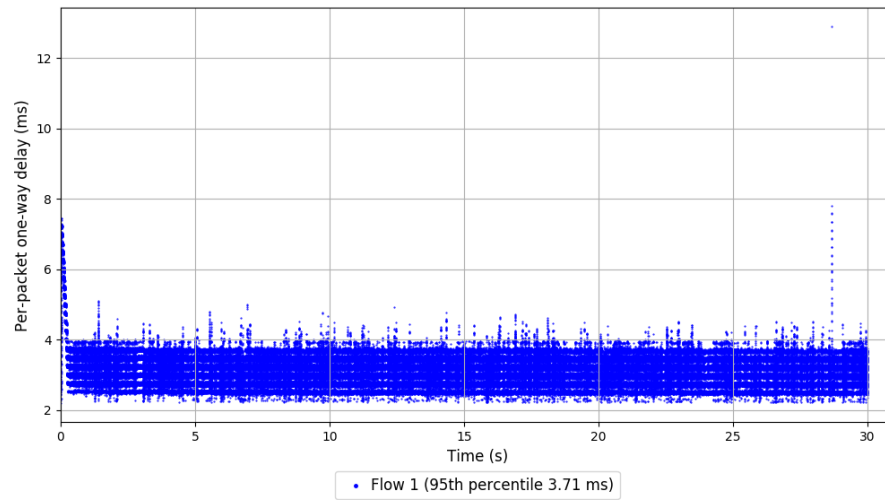
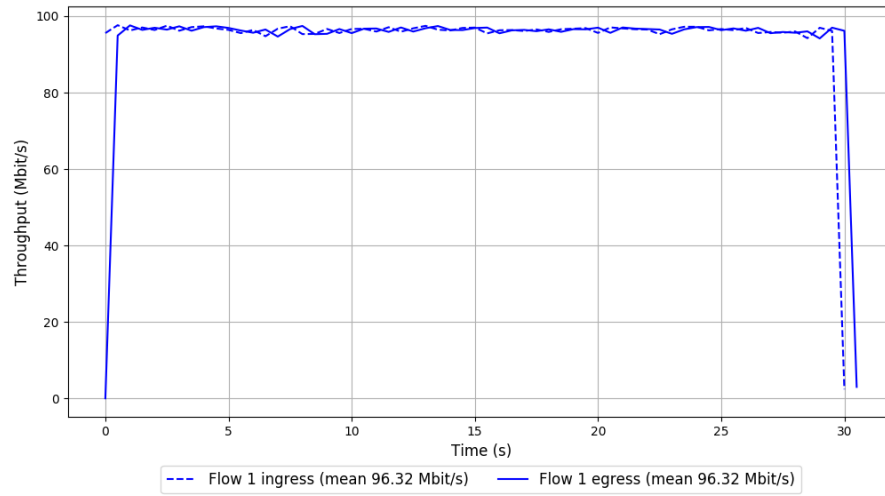


Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 08:22:17
End at: 2018-07-24 08:22:47
Local clock offset: -4.796 ms
Remote clock offset: -1.802 ms

Below is generated by plot.py at 2018-07-24 10:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 3.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 3.705 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

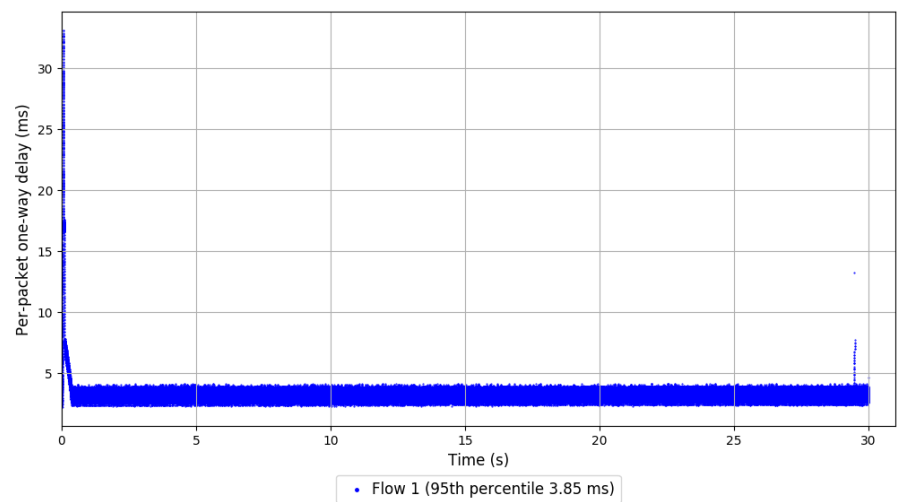
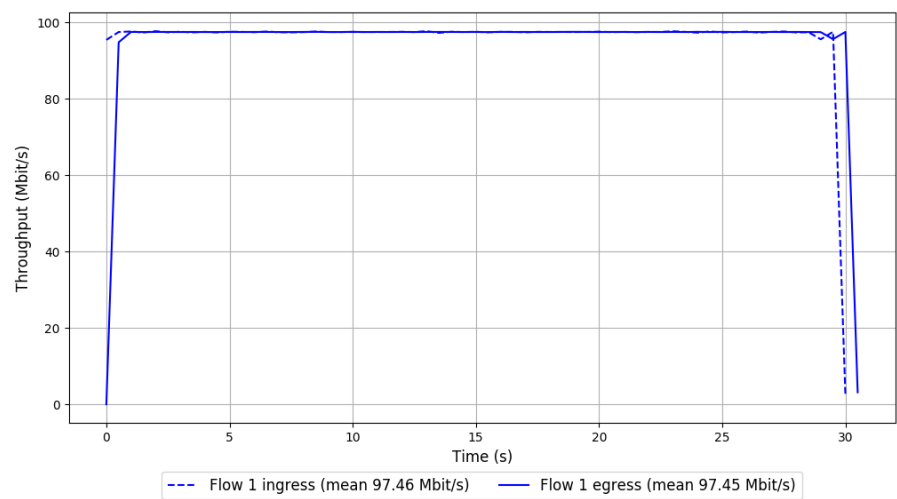


Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 08:41:18
End at: 2018-07-24 08:41:48
Local clock offset: -3.066 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2018-07-24 10:16:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.852 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

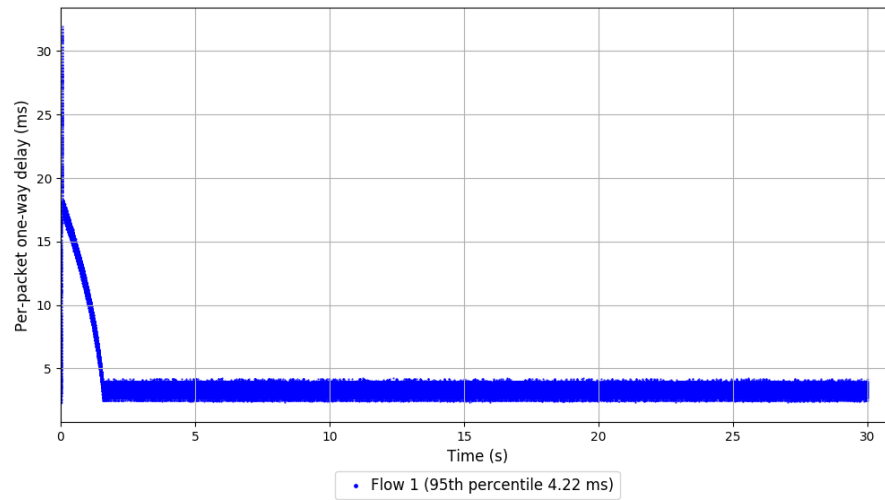
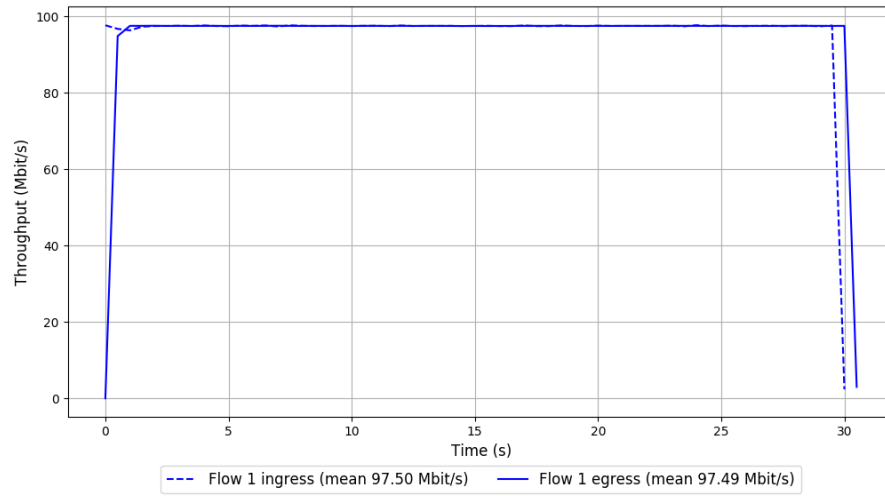


Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 09:00:20
End at: 2018-07-24 09:00:50
Local clock offset: -2.723 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-07-24 10:16:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 4.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 4.222 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 09:19:22

End at: 2018-07-24 09:19:52

Local clock offset: -2.034 ms

Remote clock offset: -1.64 ms

Below is generated by plot.py at 2018-07-24 10:16:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 3.871 ms

Loss rate: 0.00%

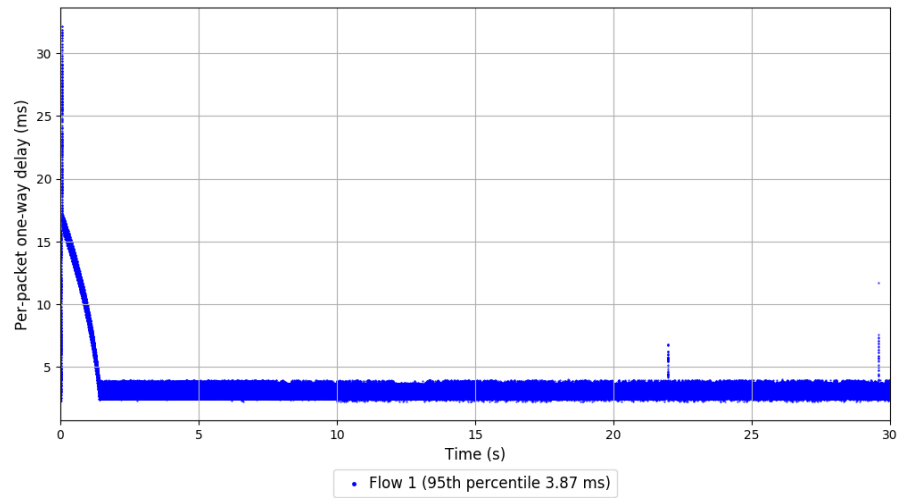
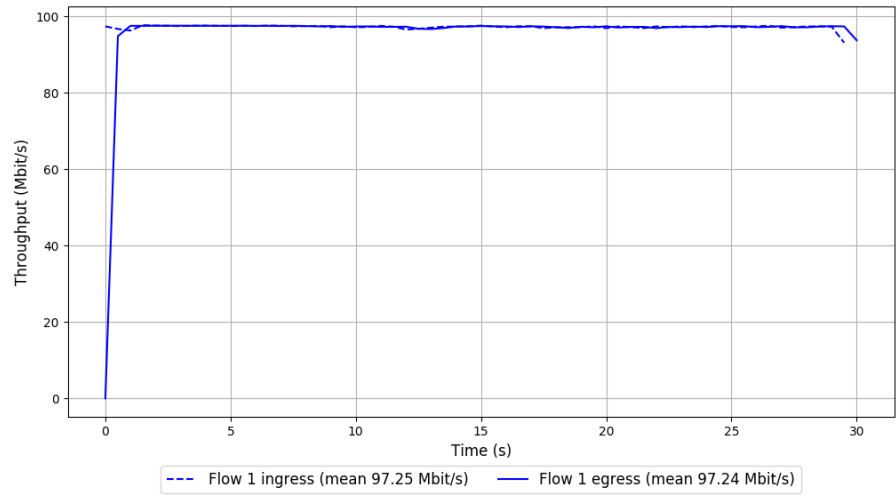
-- Flow 1:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 3.871 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-24 09:38:23

End at: 2018-07-24 09:38:54

Local clock offset: -5.132 ms

Remote clock offset: -1.982 ms

Below is generated by plot.py at 2018-07-24 10:16:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 3.586 ms

Loss rate: 0.00%

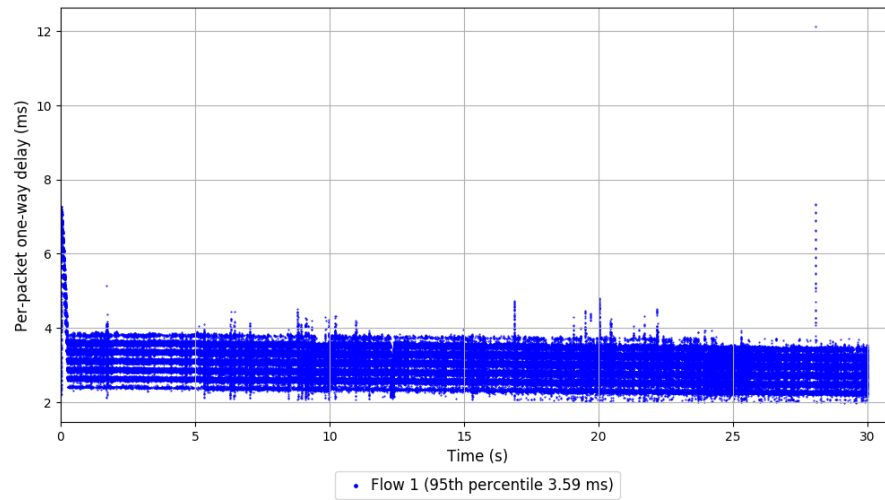
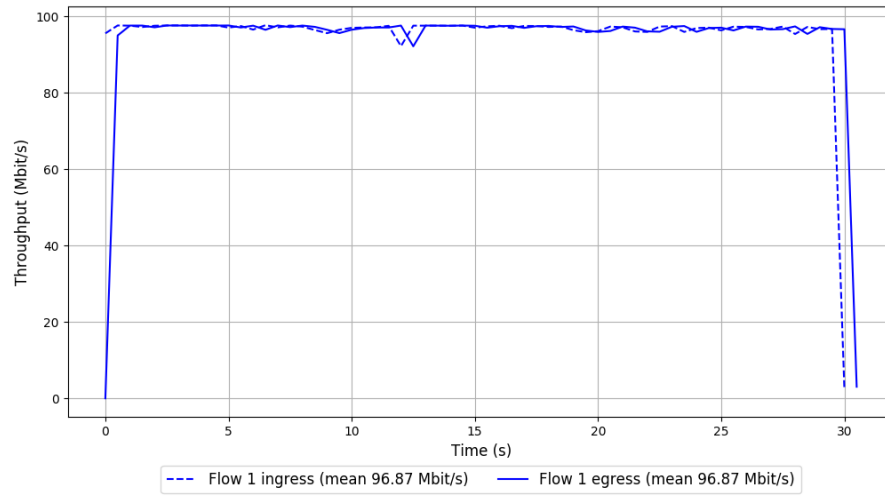
-- Flow 1:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 3.586 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

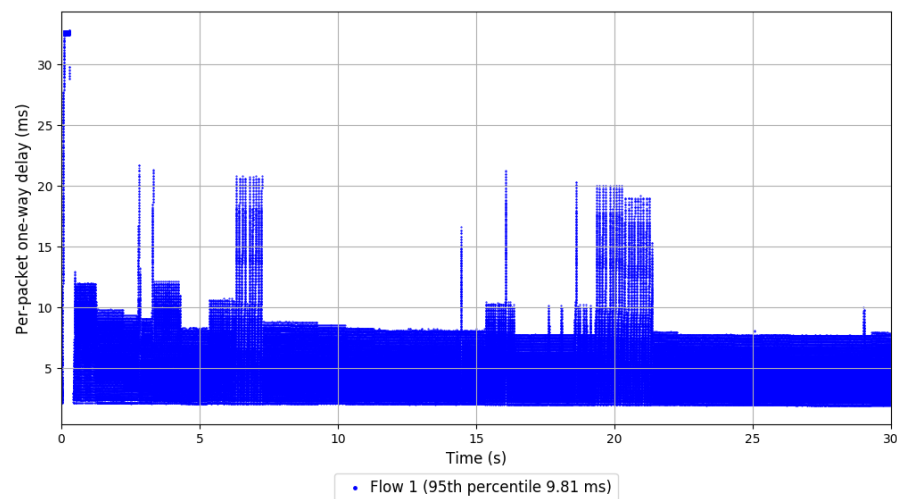
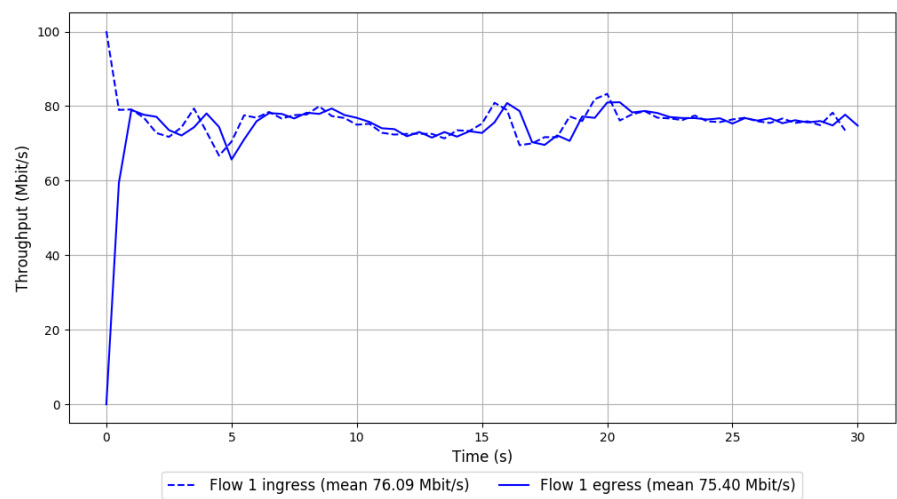


Run 1: Statistics of Verus

Start at: 2018-07-24 06:58:21
End at: 2018-07-24 06:58:51
Local clock offset: -17.211 ms
Remote clock offset: -2.087 ms

Below is generated by plot.py at 2018-07-24 10:16:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 9.813 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 9.813 ms
Loss rate: 0.89%

Run 1: Report of Verus — Data Link

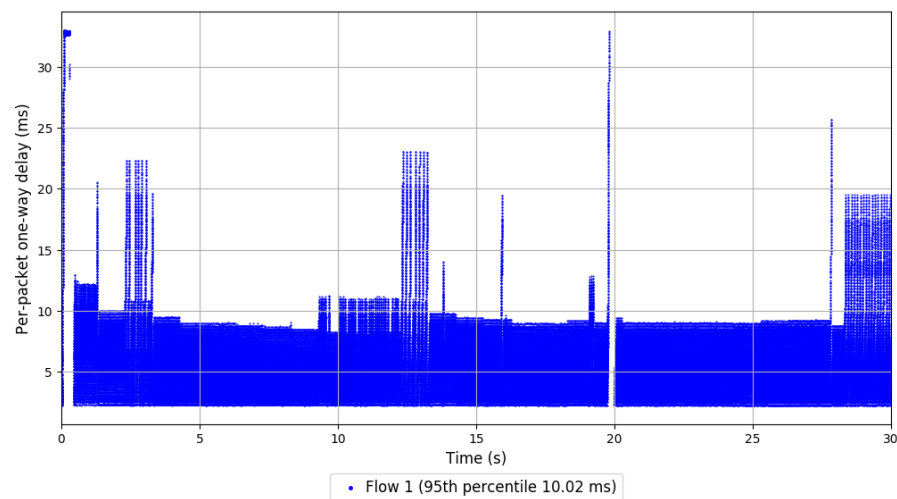
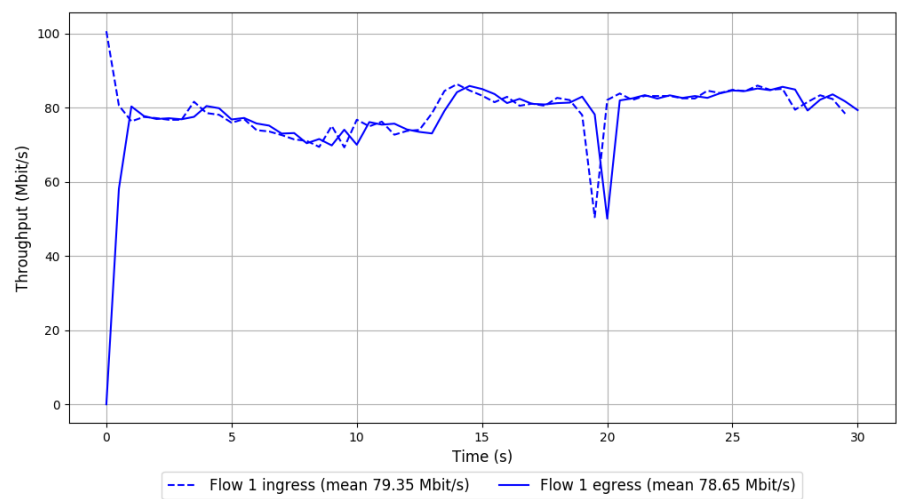


Run 2: Statistics of Verus

Start at: 2018-07-24 07:17:23
End at: 2018-07-24 07:17:53
Local clock offset: -9.993 ms
Remote clock offset: -1.992 ms

Below is generated by plot.py at 2018-07-24 10:16:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 10.016 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 10.016 ms
Loss rate: 0.87%

Run 2: Report of Verus — Data Link

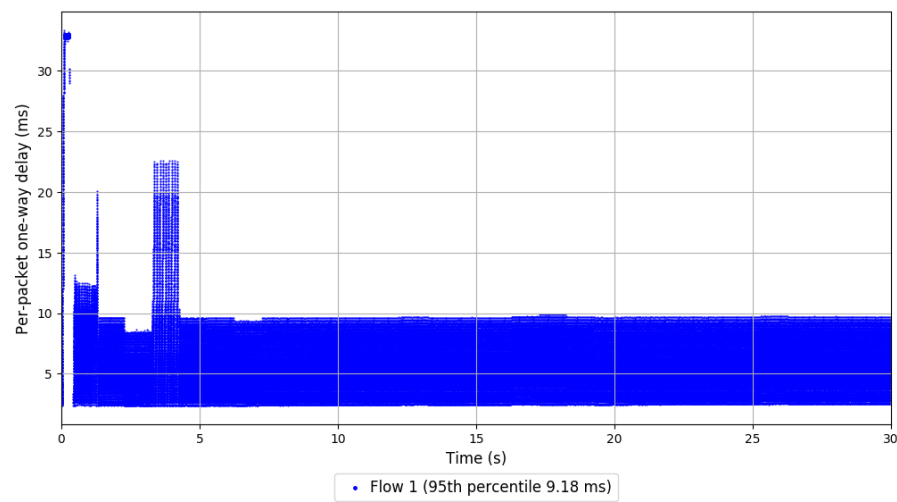
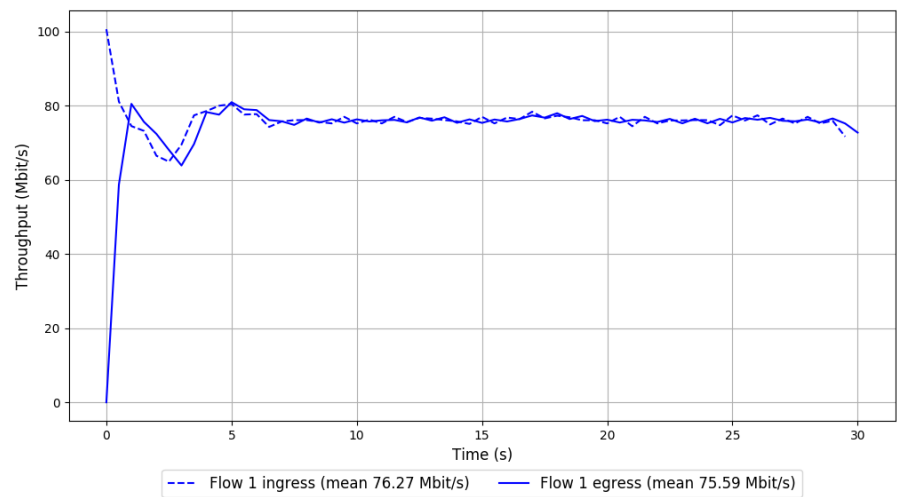


Run 3: Statistics of Verus

Start at: 2018-07-24 07:36:25
End at: 2018-07-24 07:36:55
Local clock offset: -11.006 ms
Remote clock offset: -5.648 ms

Below is generated by plot.py at 2018-07-24 10:16:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 9.176 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 9.176 ms
Loss rate: 0.89%

Run 3: Report of Verus — Data Link

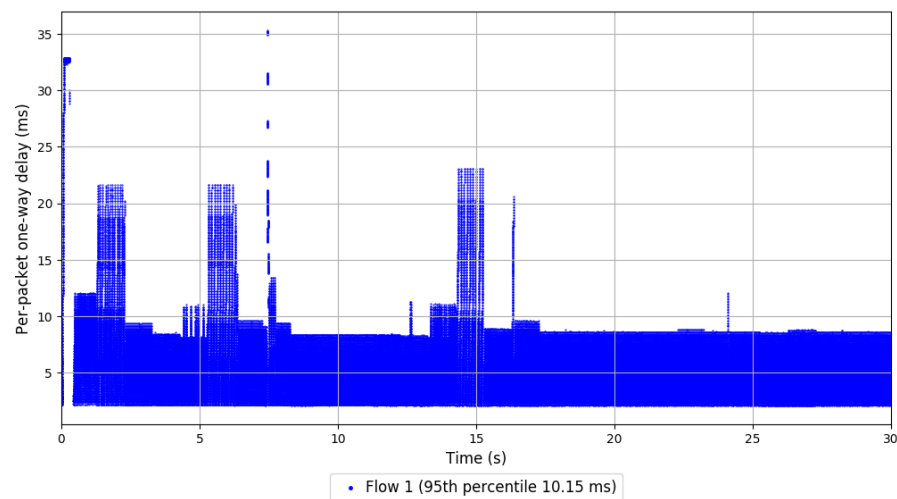
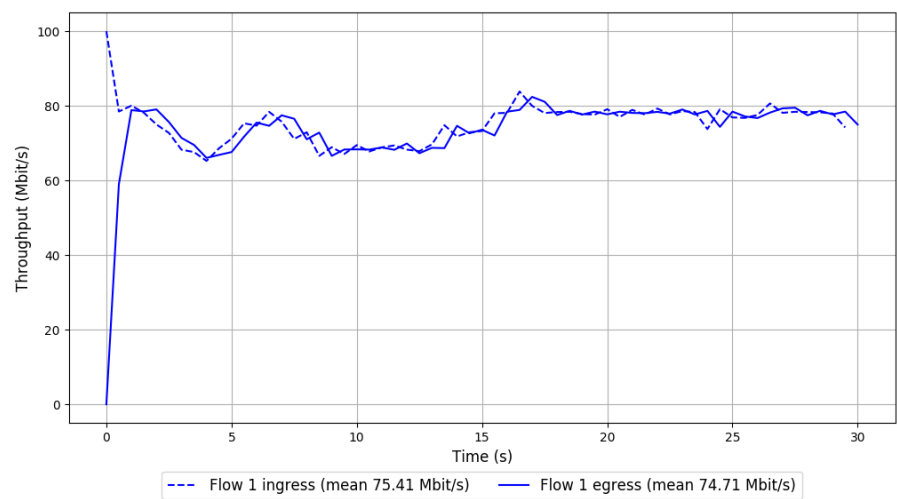


Run 4: Statistics of Verus

Start at: 2018-07-24 07:55:26
End at: 2018-07-24 07:55:56
Local clock offset: -12.468 ms
Remote clock offset: -7.954 ms

Below is generated by plot.py at 2018-07-24 10:16:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.71 Mbit/s
95th percentile per-packet one-way delay: 10.153 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 74.71 Mbit/s
95th percentile per-packet one-way delay: 10.153 ms
Loss rate: 0.90%

Run 4: Report of Verus — Data Link

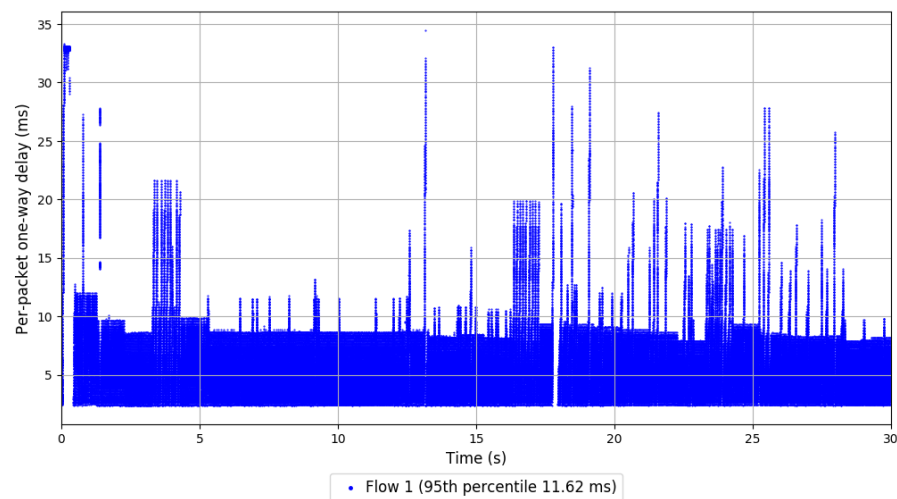
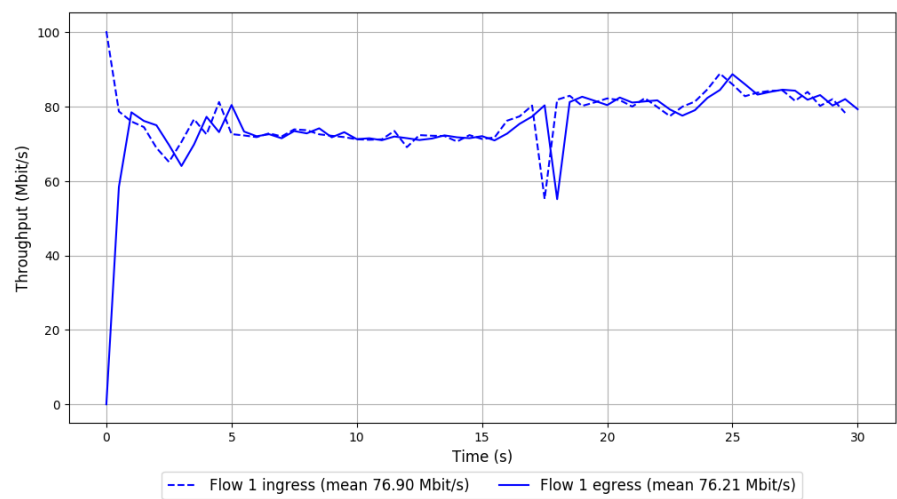


Run 5: Statistics of Verus

Start at: 2018-07-24 08:14:28
End at: 2018-07-24 08:14:58
Local clock offset: -5.914 ms
Remote clock offset: -2.852 ms

Below is generated by plot.py at 2018-07-24 10:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 11.615 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 11.615 ms
Loss rate: 0.88%

Run 5: Report of Verus — Data Link

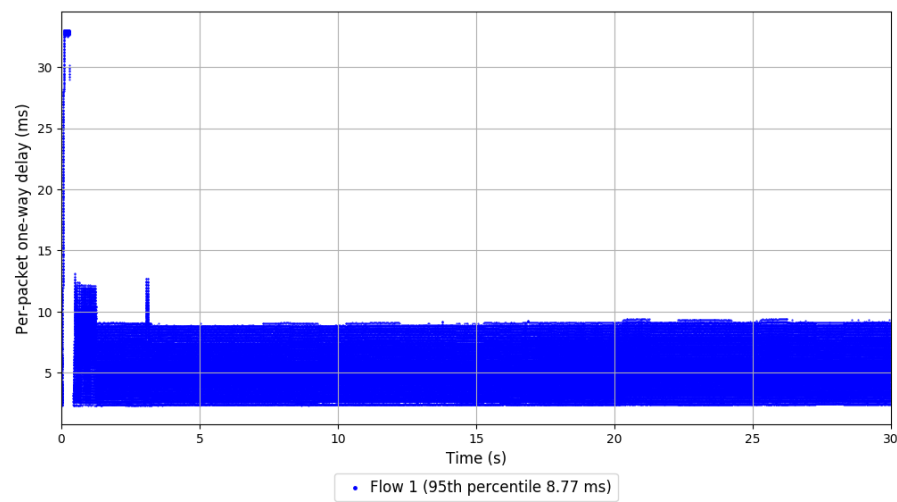
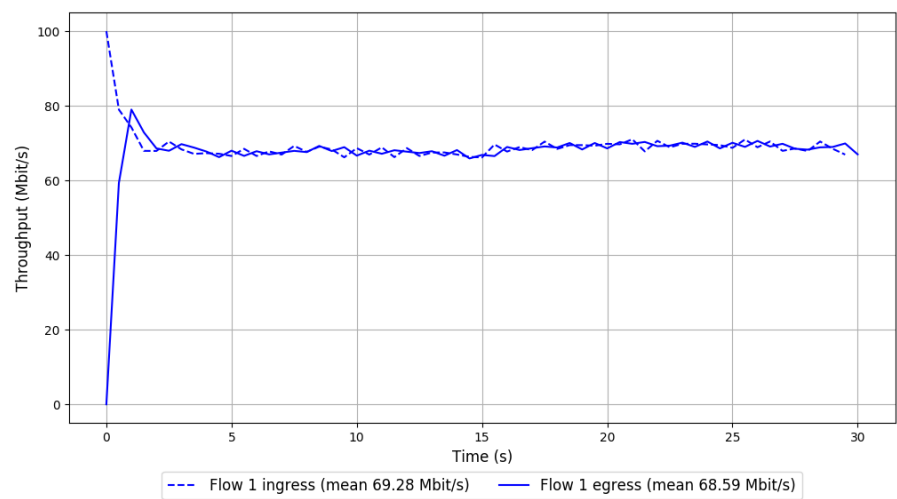


Run 6: Statistics of Verus

Start at: 2018-07-24 08:33:30
End at: 2018-07-24 08:34:00
Local clock offset: -4.212 ms
Remote clock offset: -0.975 ms

Below is generated by plot.py at 2018-07-24 10:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 8.774 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 8.774 ms
Loss rate: 0.98%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-24 08:52:31

End at: 2018-07-24 08:53:01

Local clock offset: -2.726 ms

Remote clock offset: -0.79 ms

Below is generated by plot.py at 2018-07-24 10:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 9.207 ms

Loss rate: 0.92%

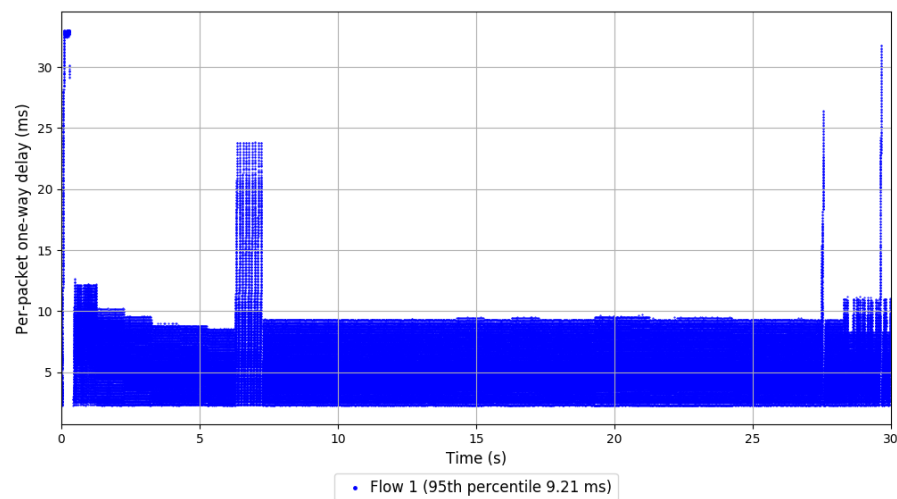
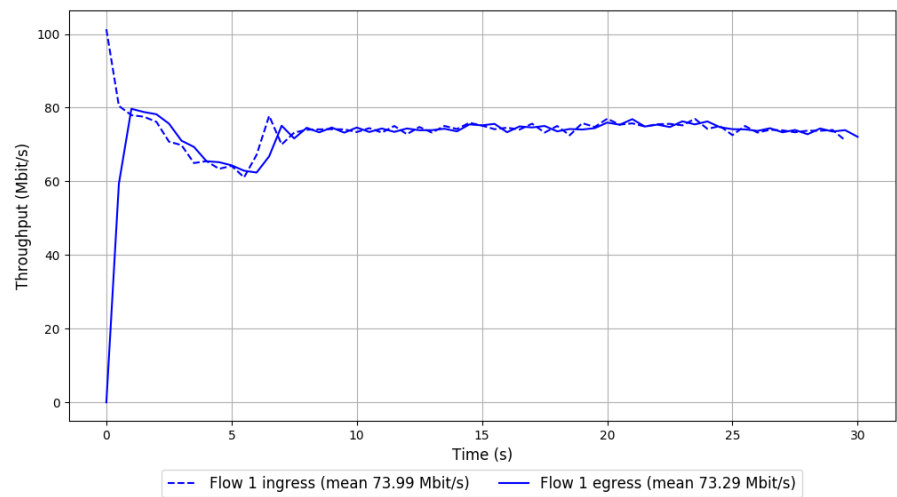
-- Flow 1:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 9.207 ms

Loss rate: 0.92%

Run 7: Report of Verus — Data Link

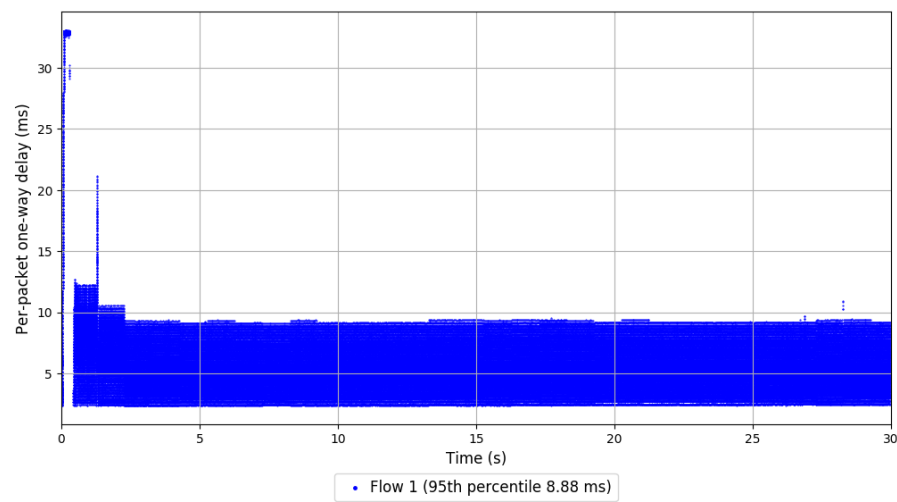
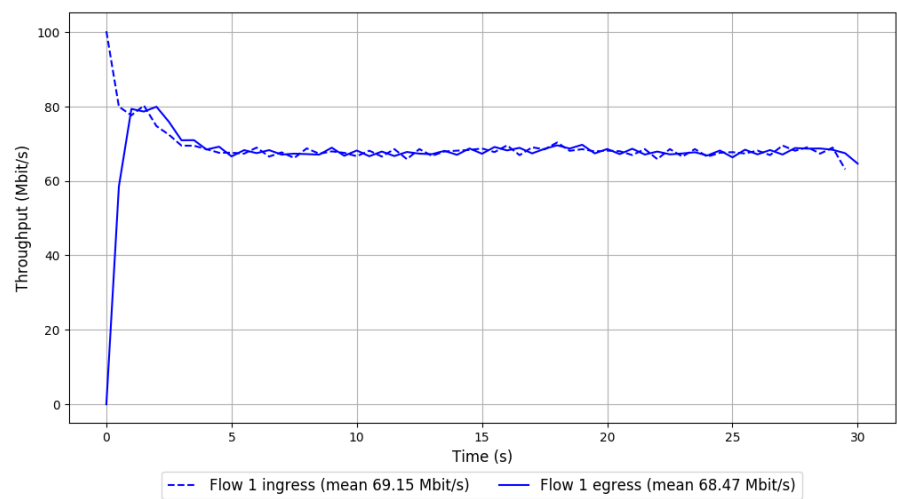


Run 8: Statistics of Verus

Start at: 2018-07-24 09:11:34
End at: 2018-07-24 09:12:04
Local clock offset: -2.159 ms
Remote clock offset: -0.801 ms

Below is generated by plot.py at 2018-07-24 10:17:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 8.883 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 8.883 ms
Loss rate: 0.98%

Run 8: Report of Verus — Data Link

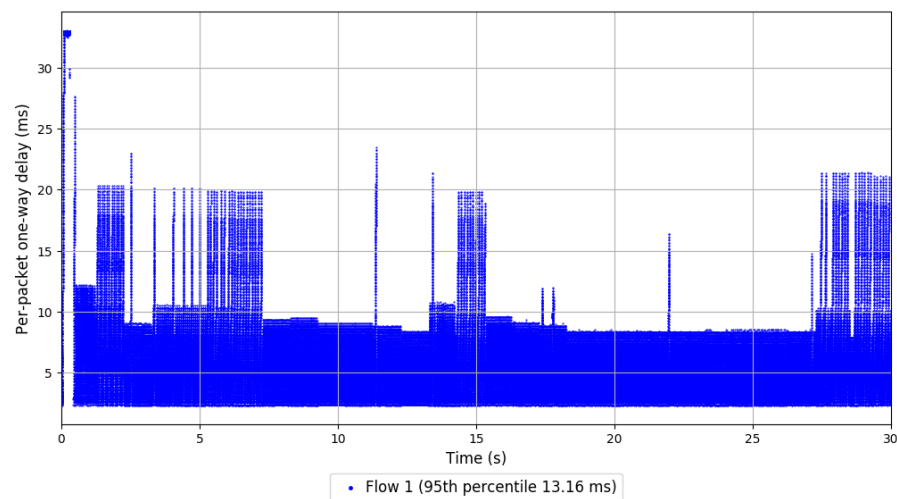
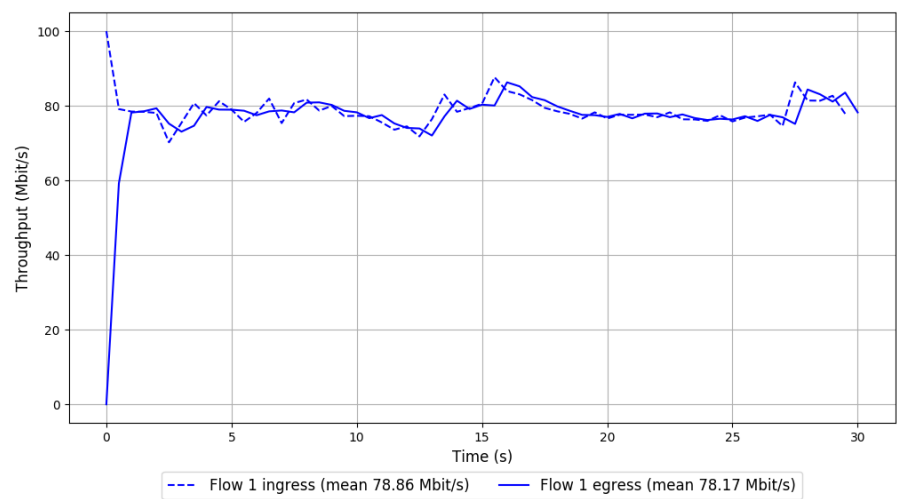


Run 9: Statistics of Verus

Start at: 2018-07-24 09:30:35
End at: 2018-07-24 09:31:05
Local clock offset: -2.077 ms
Remote clock offset: -1.917 ms

Below is generated by plot.py at 2018-07-24 10:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 13.158 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 13.158 ms
Loss rate: 0.86%

Run 9: Report of Verus — Data Link

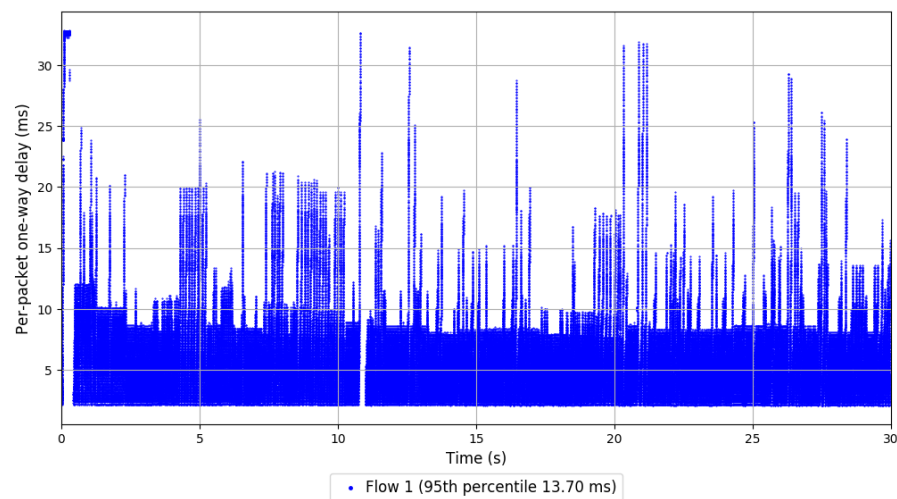
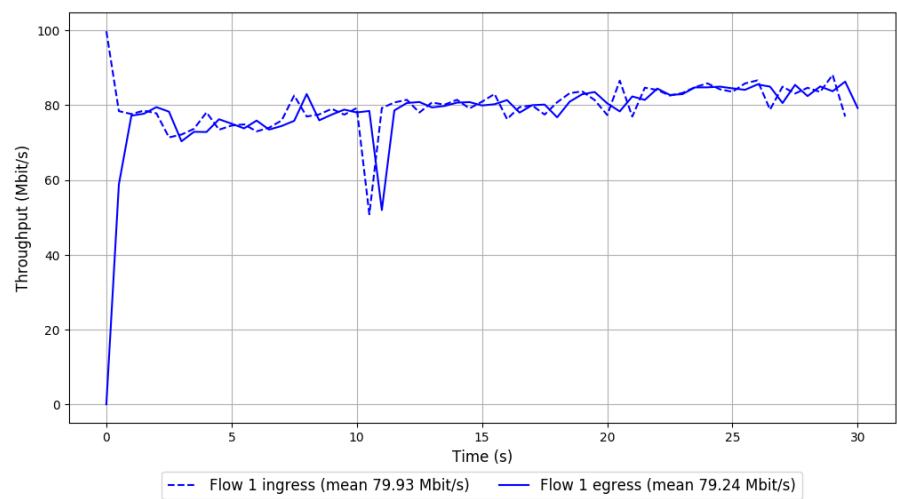


Run 10: Statistics of Verus

Start at: 2018-07-24 09:49:37
End at: 2018-07-24 09:50:07
Local clock offset: -7.617 ms
Remote clock offset: -2.126 ms

Below is generated by plot.py at 2018-07-24 10:17:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 13.702 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 13.702 ms
Loss rate: 0.85%

Run 10: Report of Verus — Data Link

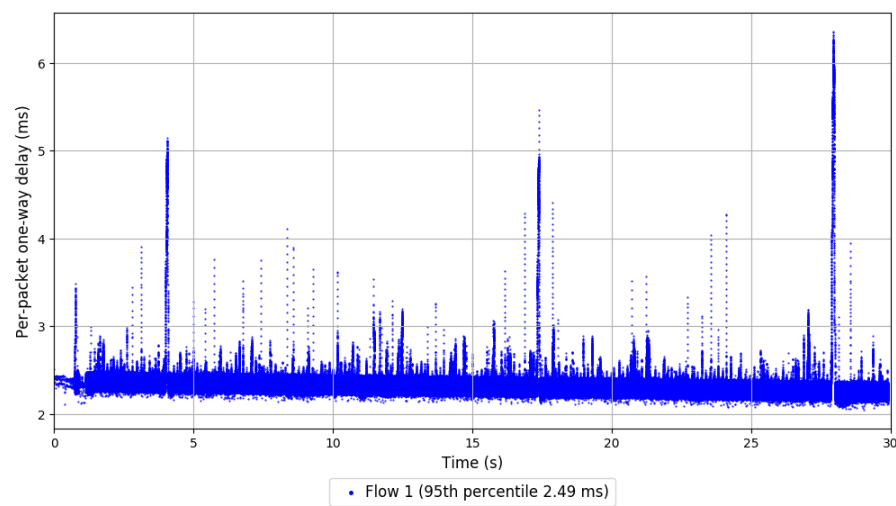
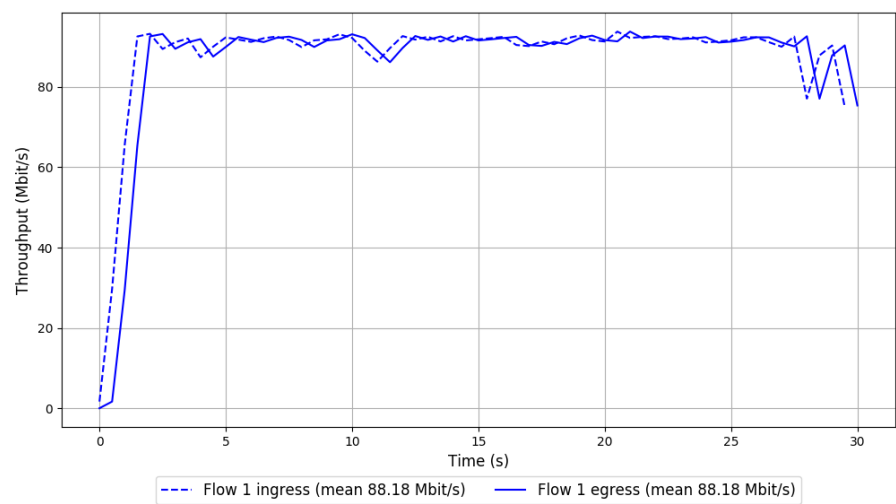


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 06:52:40
End at: 2018-07-24 06:53:10
Local clock offset: -15.522 ms
Remote clock offset: -2.057 ms

Below is generated by plot.py at 2018-07-24 10:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 2.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 2.492 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

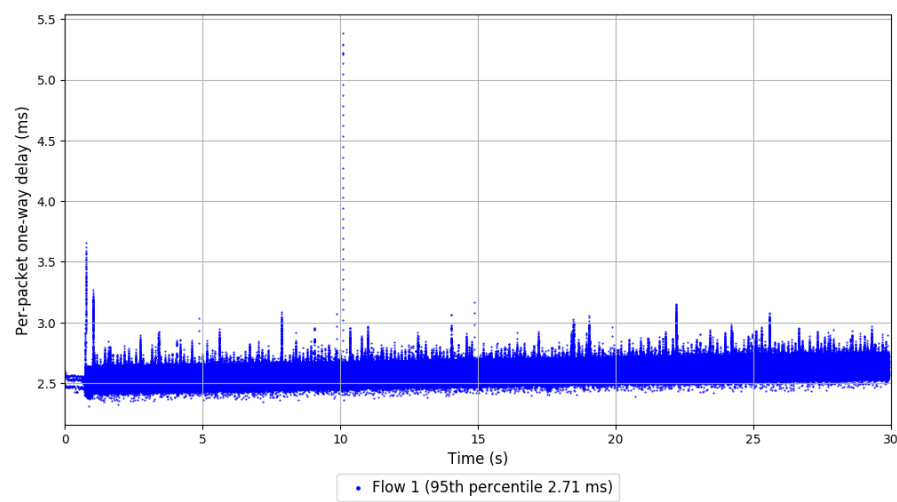
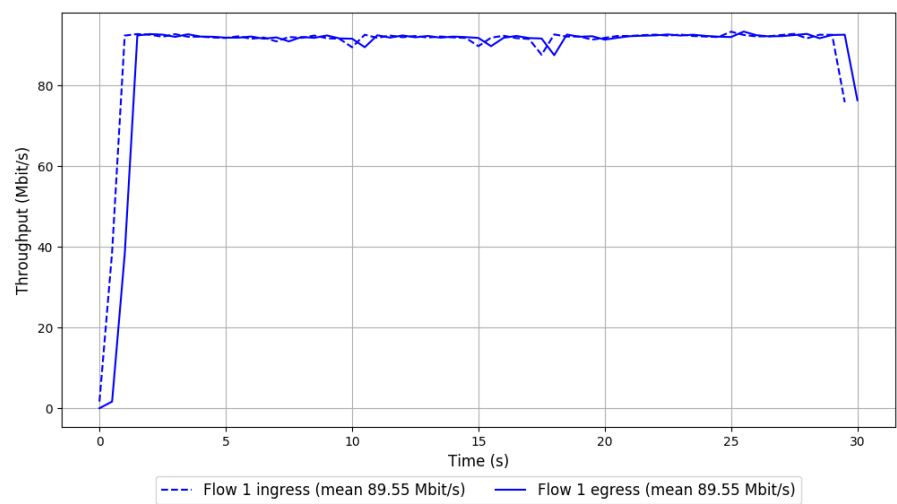


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 07:11:42
End at: 2018-07-24 07:12:12
Local clock offset: -10.686 ms
Remote clock offset: -2.021 ms

Below is generated by plot.py at 2018-07-24 10:17:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 2.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 2.715 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

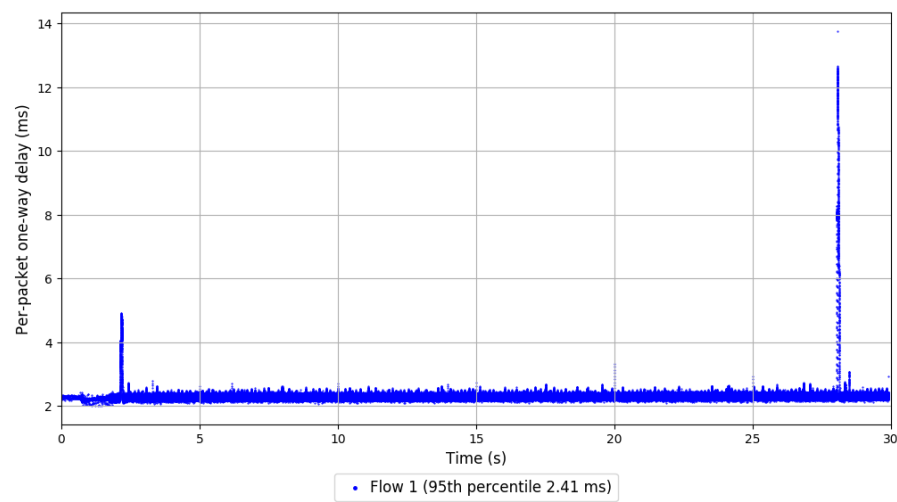
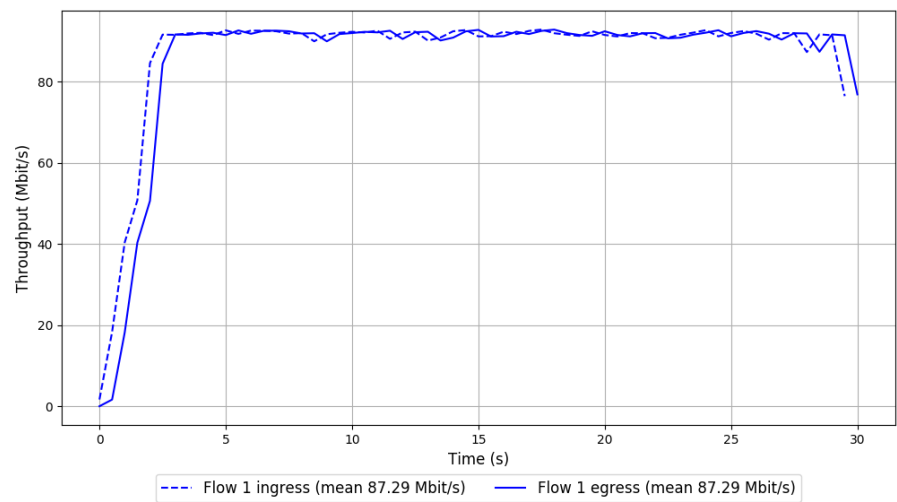


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 07:30:44
End at: 2018-07-24 07:31:14
Local clock offset: -11.972 ms
Remote clock offset: -4.195 ms

Below is generated by plot.py at 2018-07-24 10:18:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

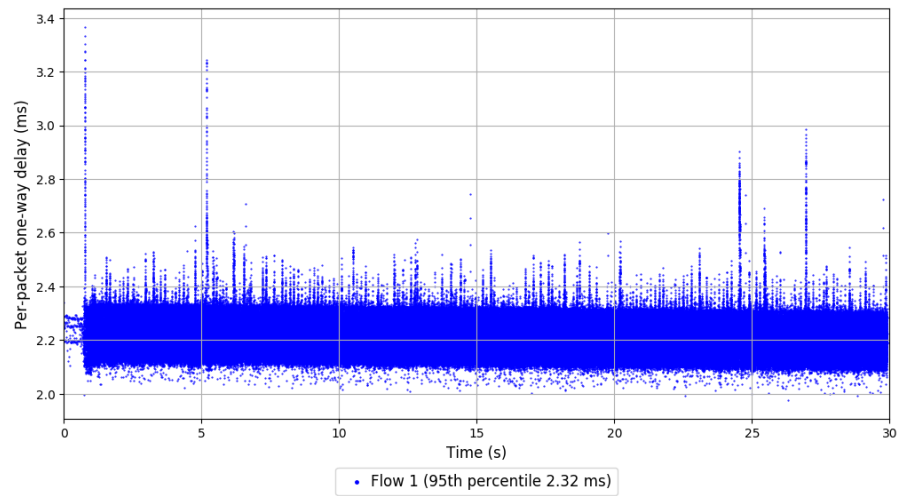
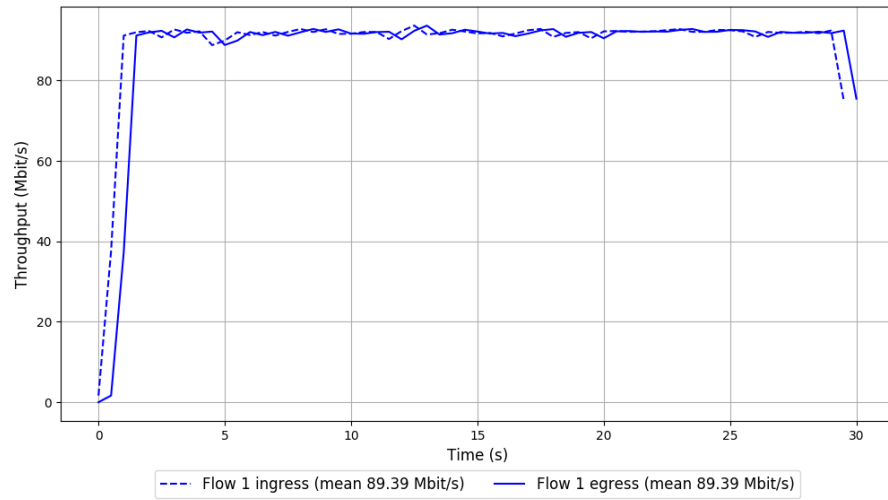


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 07:49:45
End at: 2018-07-24 07:50:15
Local clock offset: -11.542 ms
Remote clock offset: -7.604 ms

Below is generated by plot.py at 2018-07-24 10:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

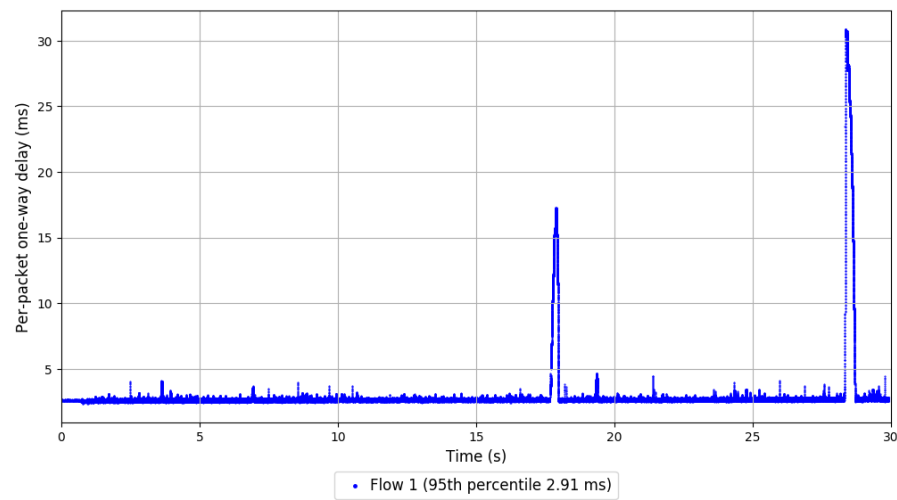
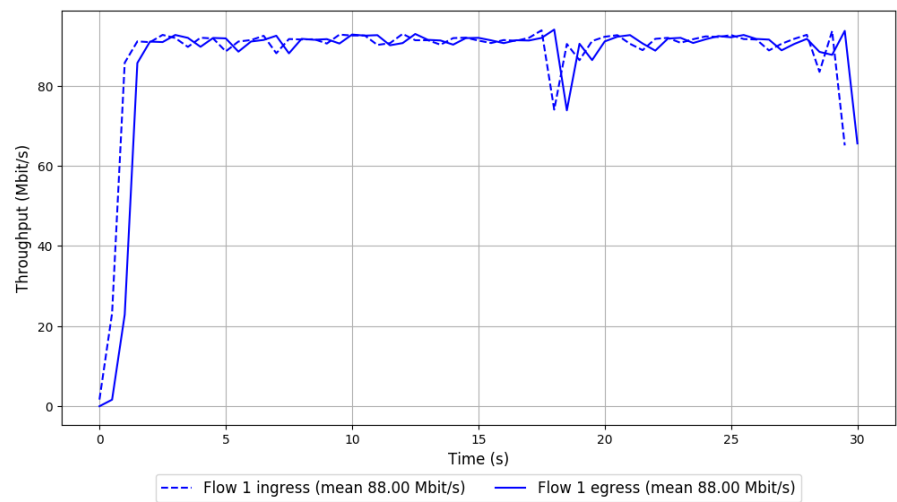


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 08:08:47
End at: 2018-07-24 08:09:17
Local clock offset: -7.973 ms
Remote clock offset: -4.163 ms

Below is generated by plot.py at 2018-07-24 10:18:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 2.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 2.912 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

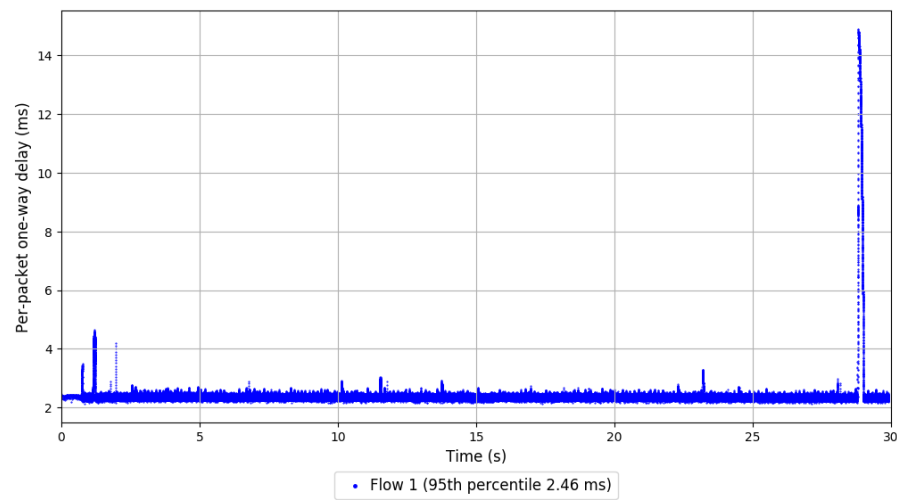
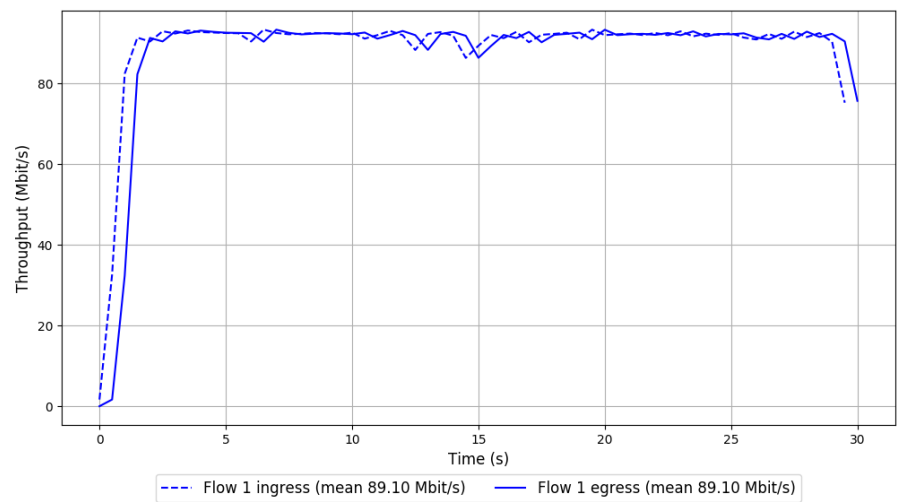


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 08:27:49
End at: 2018-07-24 08:28:19
Local clock offset: -4.639 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2018-07-24 10:18:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

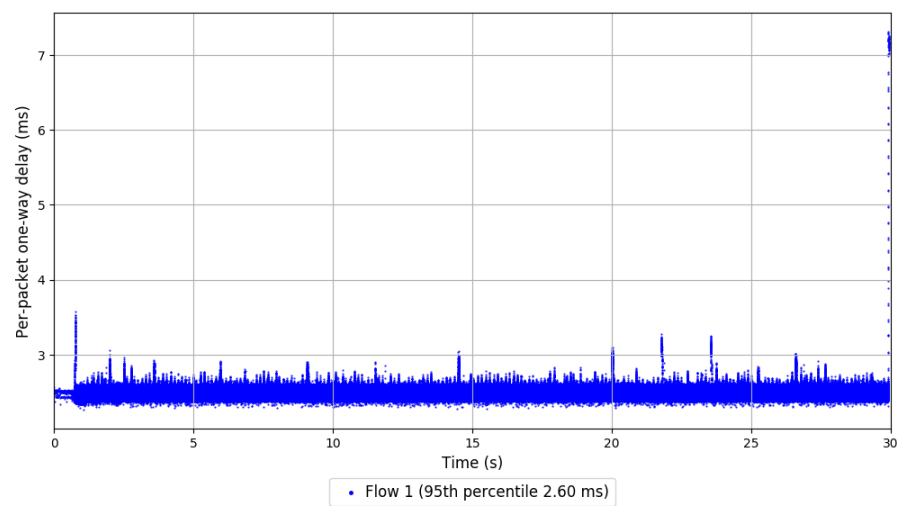
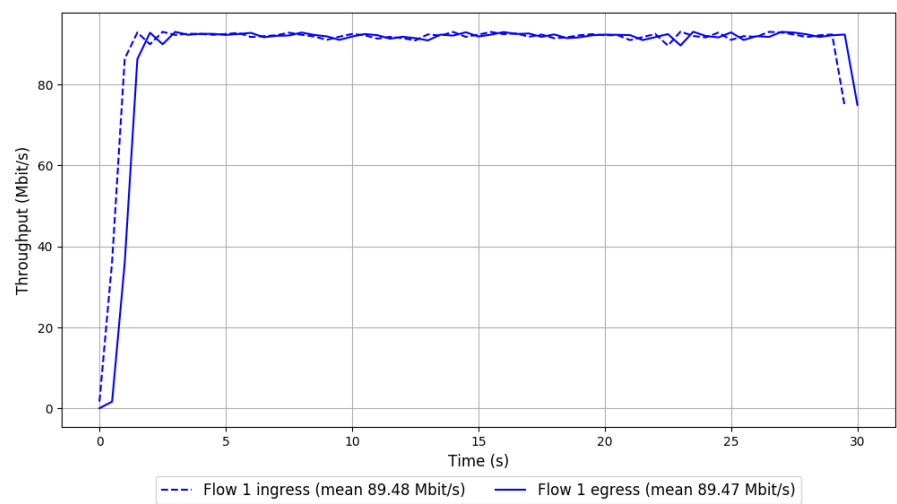


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 08:46:51
End at: 2018-07-24 08:47:21
Local clock offset: -2.856 ms
Remote clock offset: -0.912 ms

Below is generated by plot.py at 2018-07-24 10:18:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 09:05:52

End at: 2018-07-24 09:06:22

Local clock offset: -2.375 ms

Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-07-24 10:18:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 2.477 ms

Loss rate: 0.00%

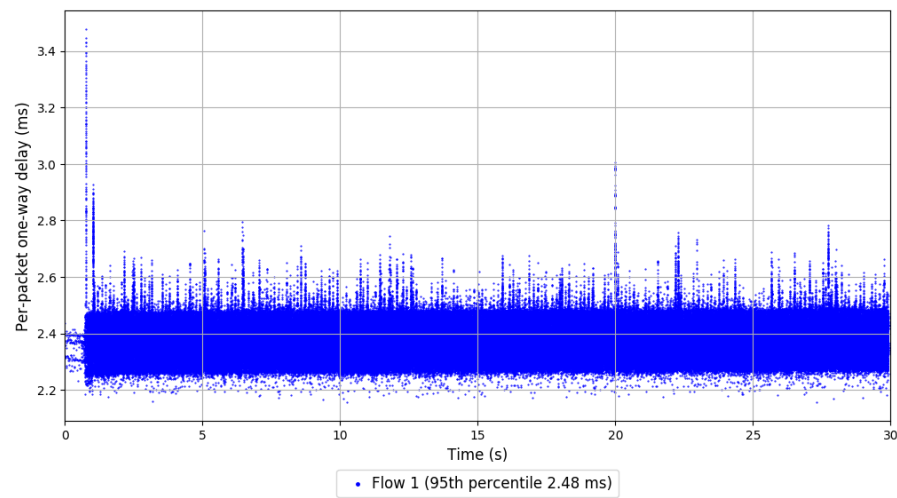
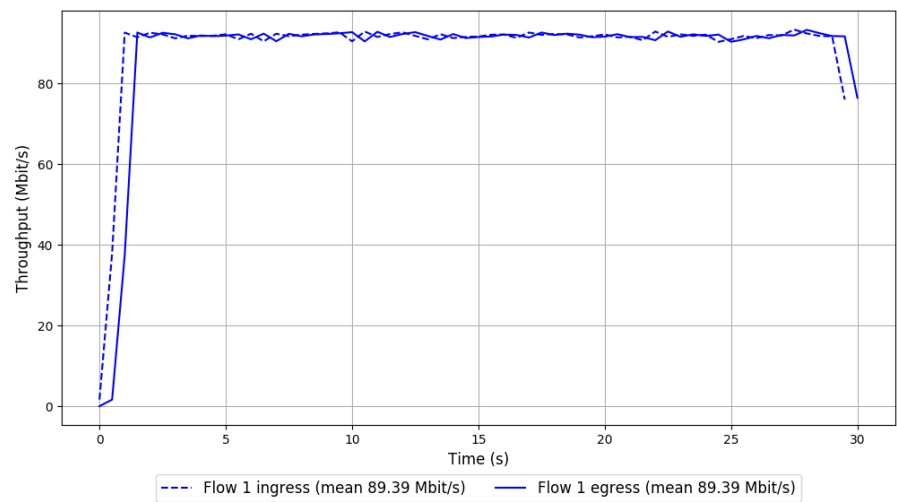
-- Flow 1:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 2.477 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 09:24:54

End at: 2018-07-24 09:25:24

Local clock offset: -2.022 ms

Remote clock offset: -1.826 ms

Below is generated by plot.py at 2018-07-24 10:18:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.64 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.00%

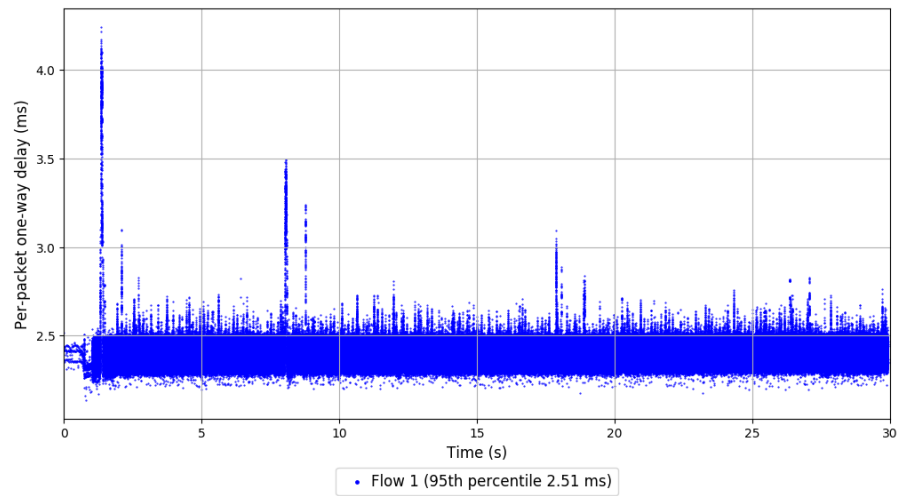
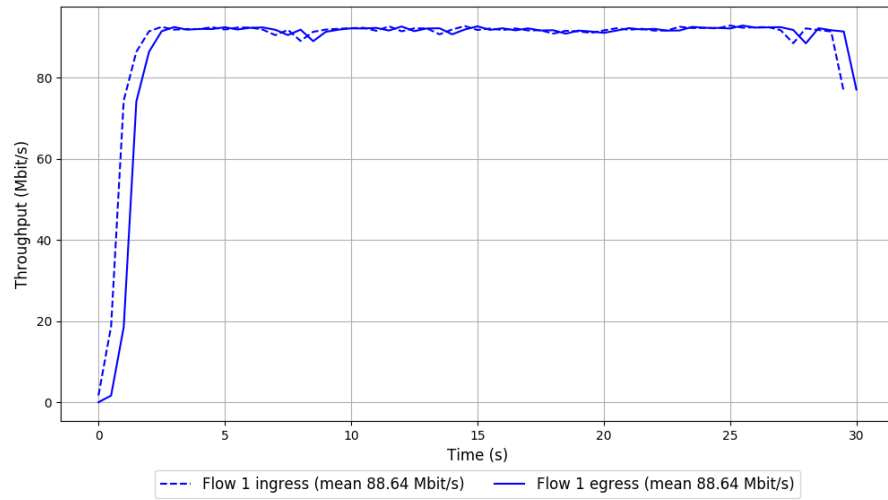
-- Flow 1:

Average throughput: 88.64 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 09:43:56

End at: 2018-07-24 09:44:26

Local clock offset: -6.65 ms

Remote clock offset: -2.031 ms

Below is generated by plot.py at 2018-07-24 10:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 2.430 ms

Loss rate: 0.00%

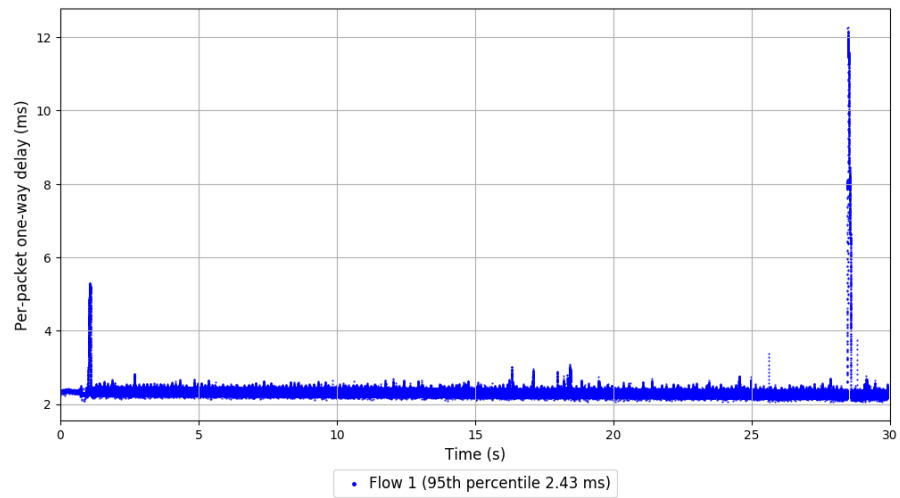
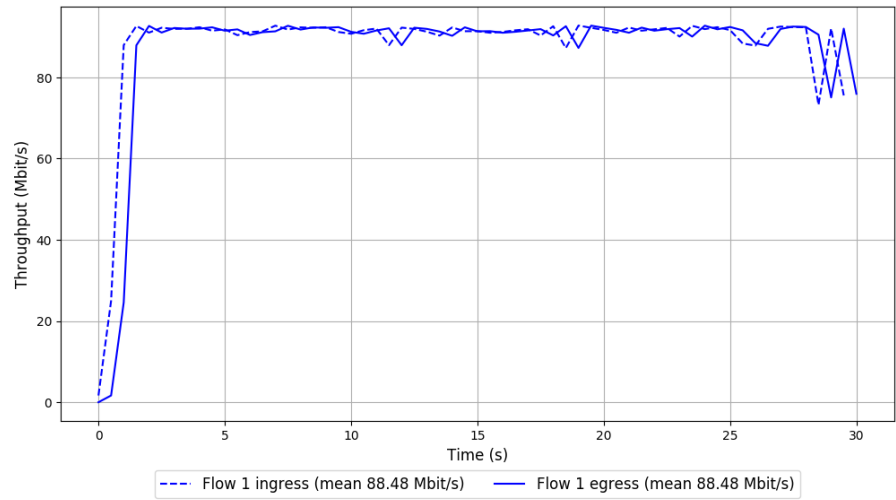
-- Flow 1:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 2.430 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

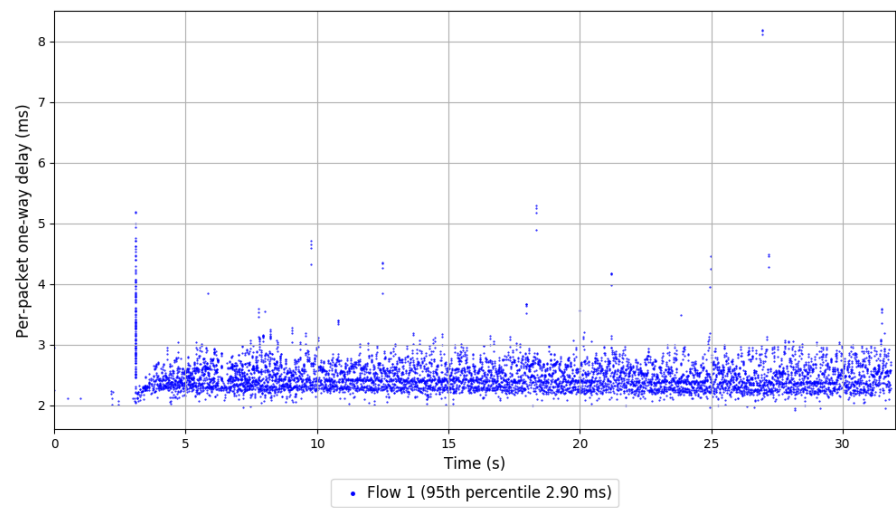
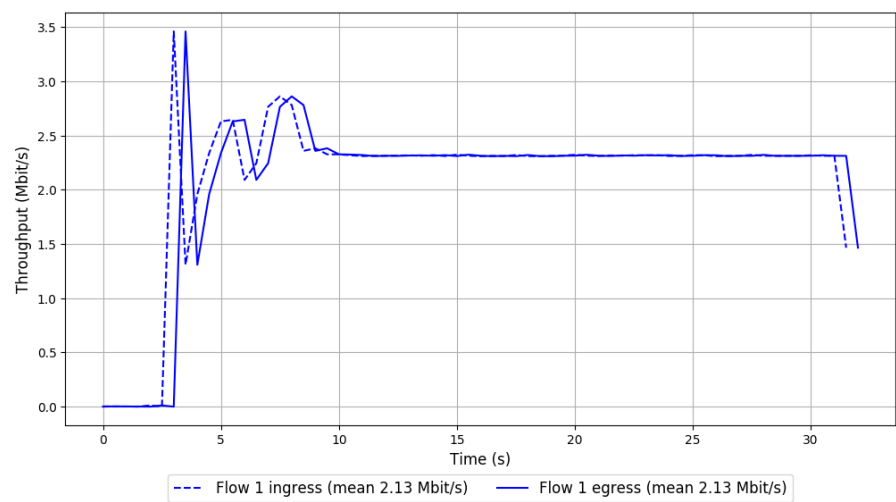


Run 1: Statistics of WebRTC media

Start at: 2018-07-24 06:50:33
End at: 2018-07-24 06:51:03
Local clock offset: -15.075 ms
Remote clock offset: -2.131 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

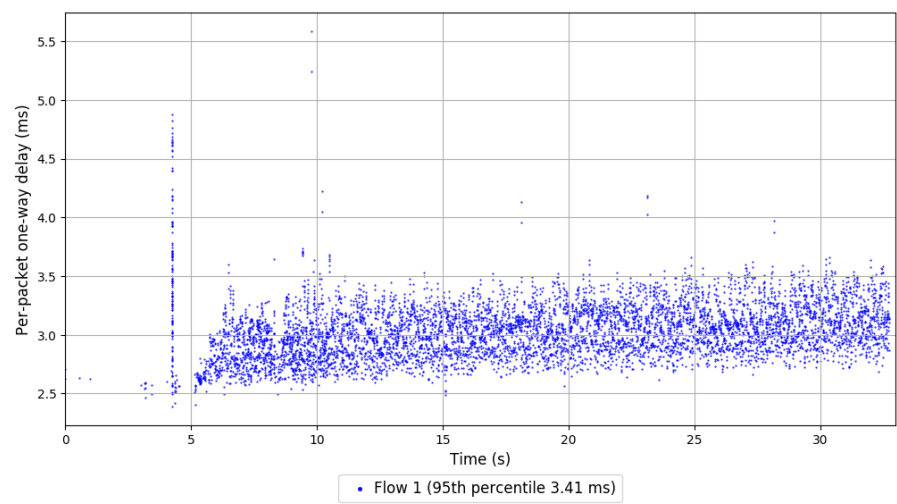
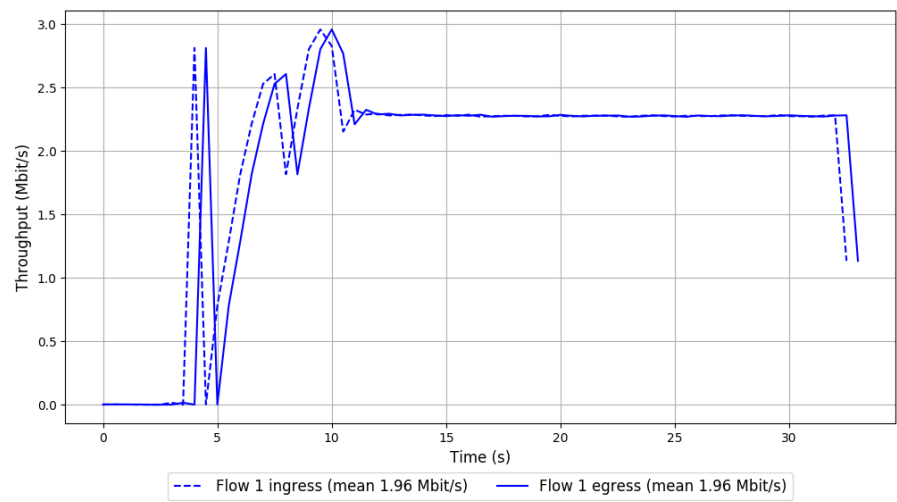


Run 2: Statistics of WebRTC media

Start at: 2018-07-24 07:09:35
End at: 2018-07-24 07:10:05
Local clock offset: -11.433 ms
Remote clock offset: -1.993 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.408 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

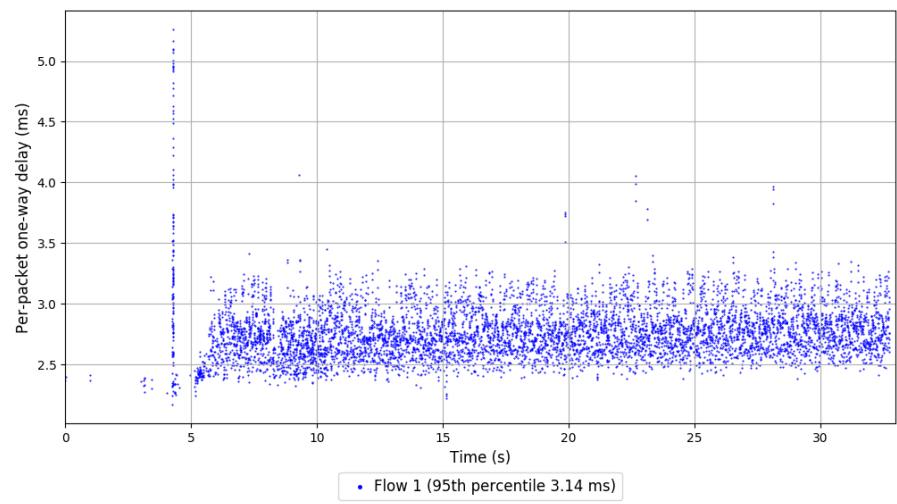
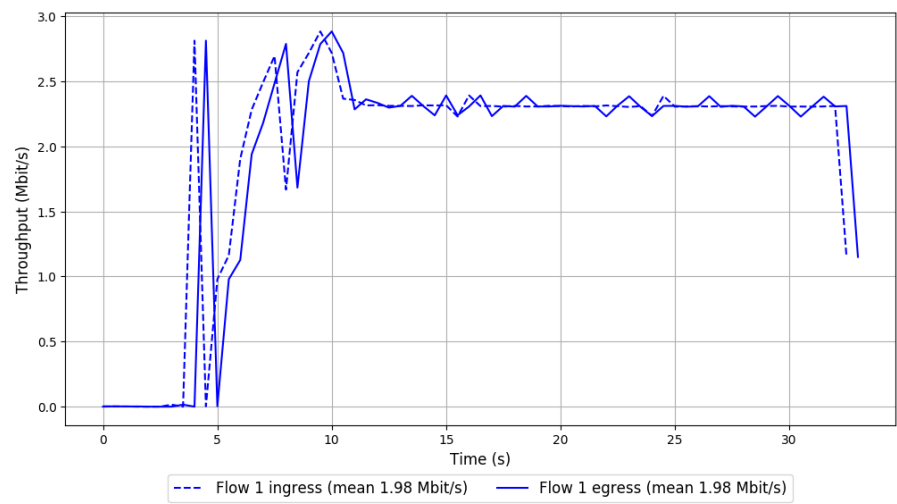


Run 3: Statistics of WebRTC media

Start at: 2018-07-24 07:28:37
End at: 2018-07-24 07:29:07
Local clock offset: -11.498 ms
Remote clock offset: -3.294 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

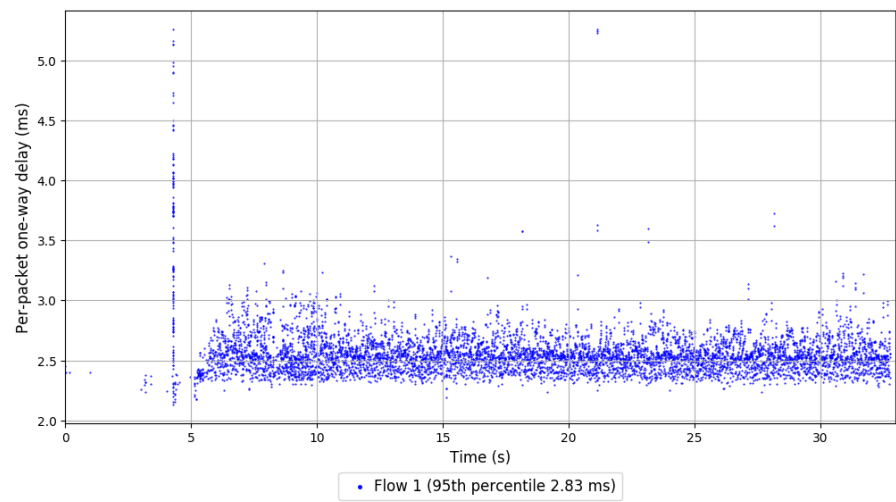
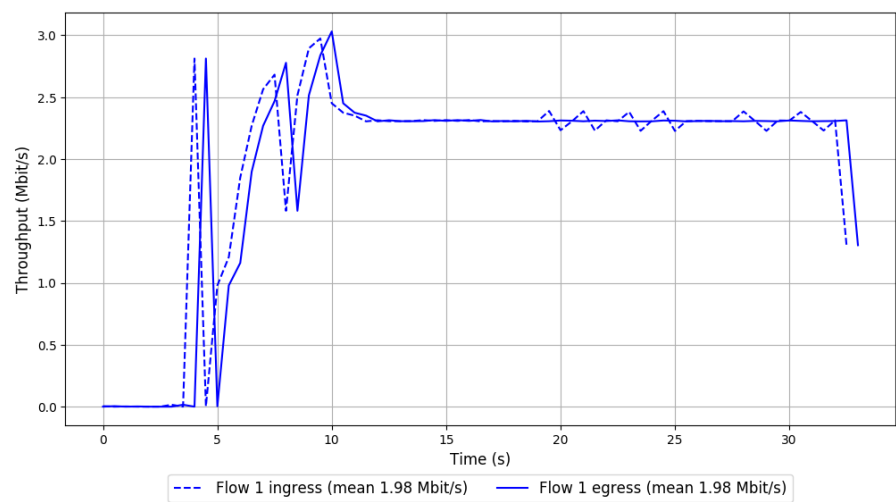


Run 4: Statistics of WebRTC media

Start at: 2018-07-24 07:47:38
End at: 2018-07-24 07:48:08
Local clock offset: -11.299 ms
Remote clock offset: -7.341 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.829 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

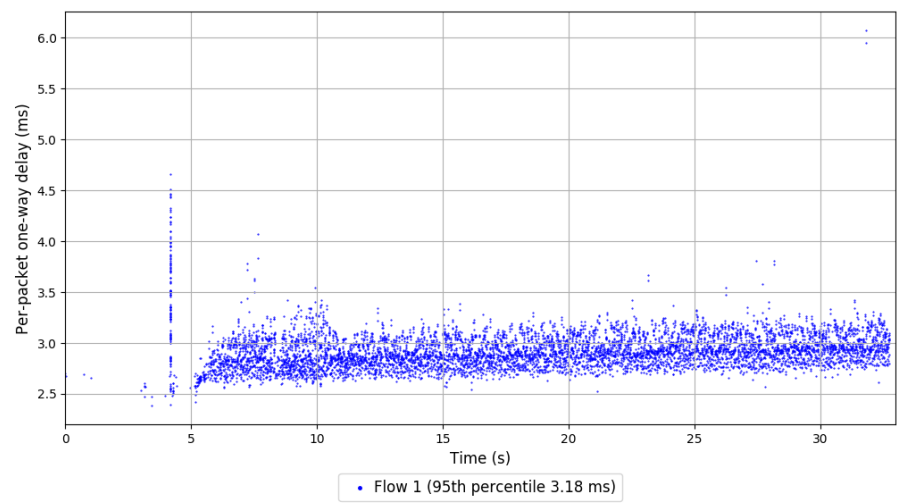
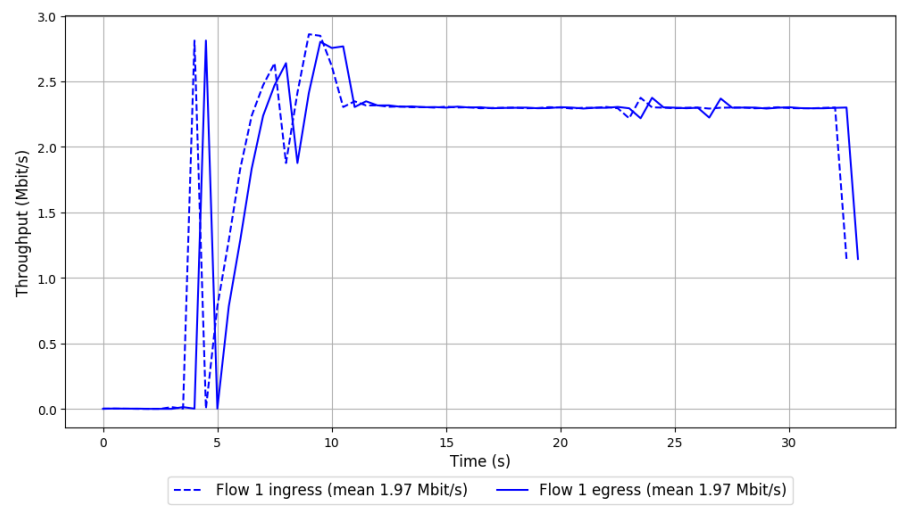


Run 5: Statistics of WebRTC media

Start at: 2018-07-24 08:06:40
End at: 2018-07-24 08:07:10
Local clock offset: -9.27 ms
Remote clock offset: -4.913 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 3.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 3.180 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

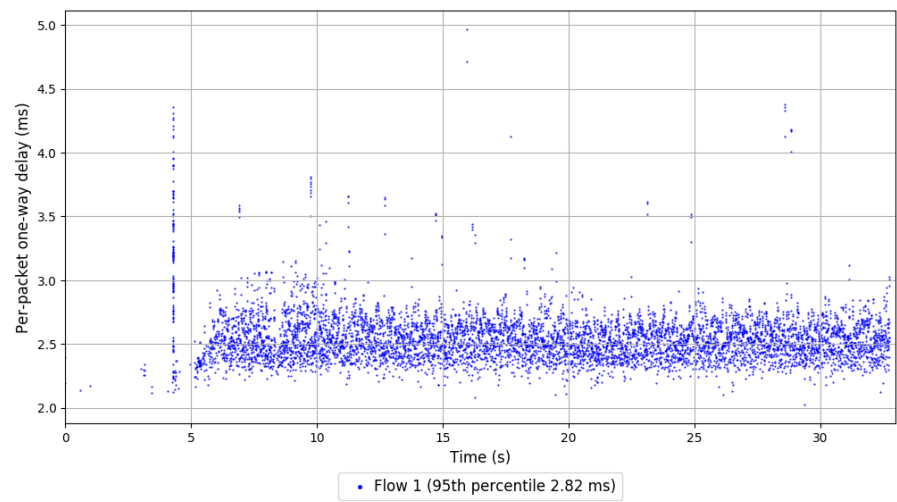
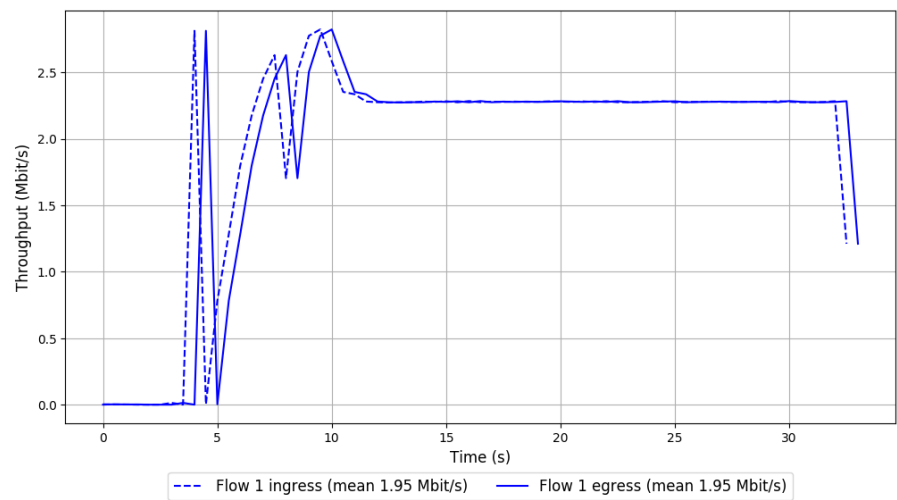


Run 6: Statistics of WebRTC media

Start at: 2018-07-24 08:25:42
End at: 2018-07-24 08:26:12
Local clock offset: -4.675 ms
Remote clock offset: -1.565 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 2.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 2.823 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

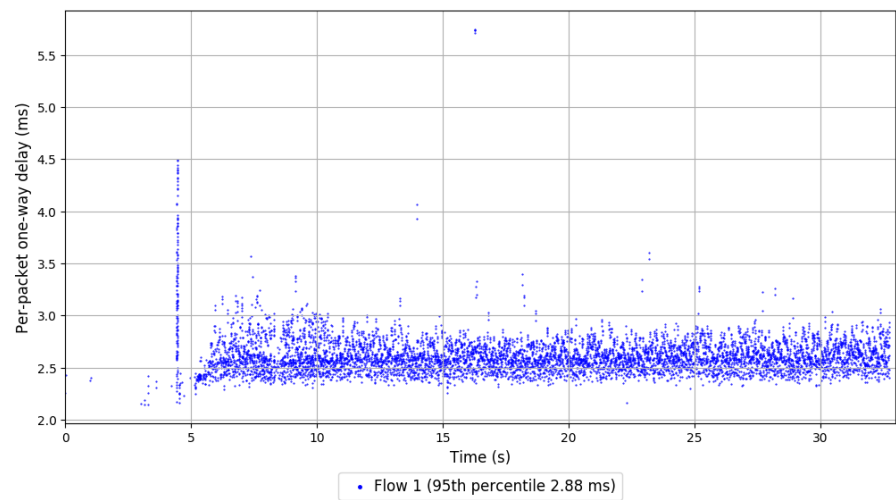
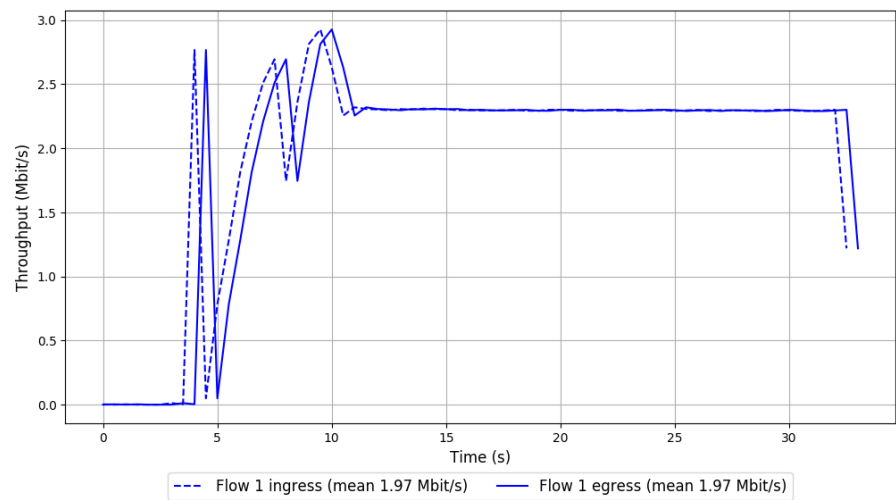


Run 7: Statistics of WebRTC media

Start at: 2018-07-24 08:44:43
End at: 2018-07-24 08:45:13
Local clock offset: -2.863 ms
Remote clock offset: -0.982 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.881 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

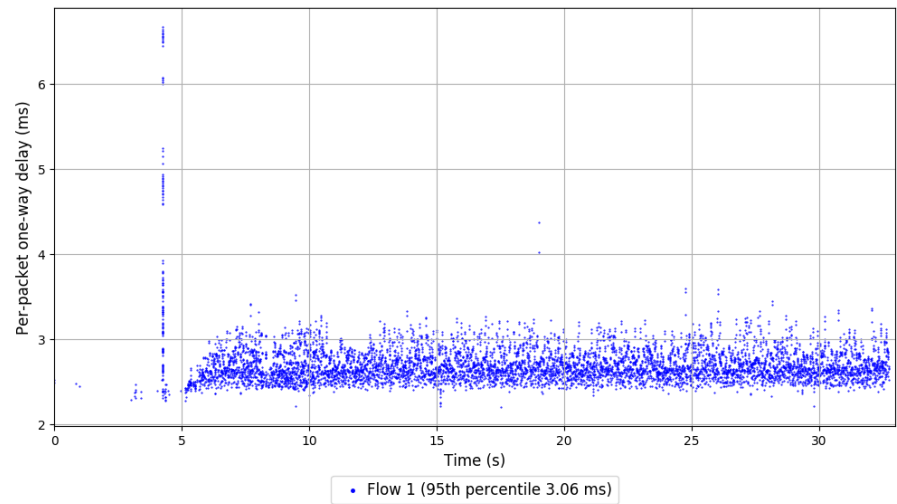
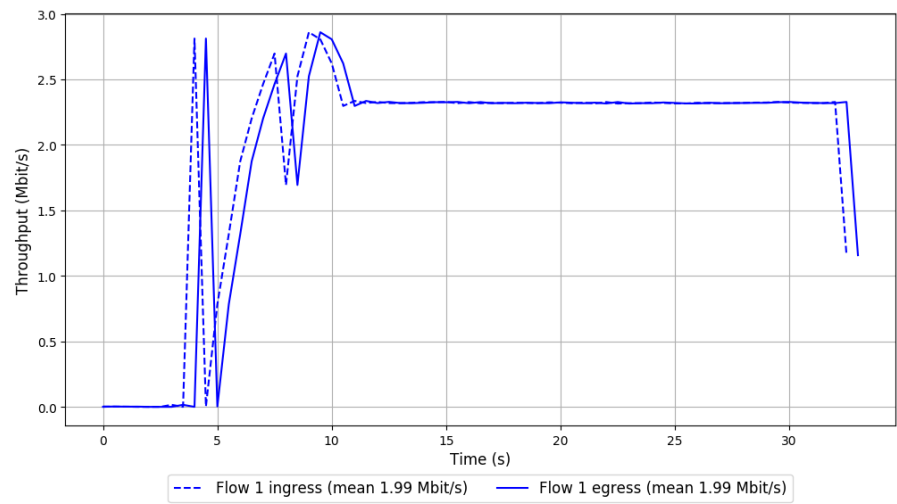


Run 8: Statistics of WebRTC media

Start at: 2018-07-24 09:03:45
End at: 2018-07-24 09:04:15
Local clock offset: -2.514 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

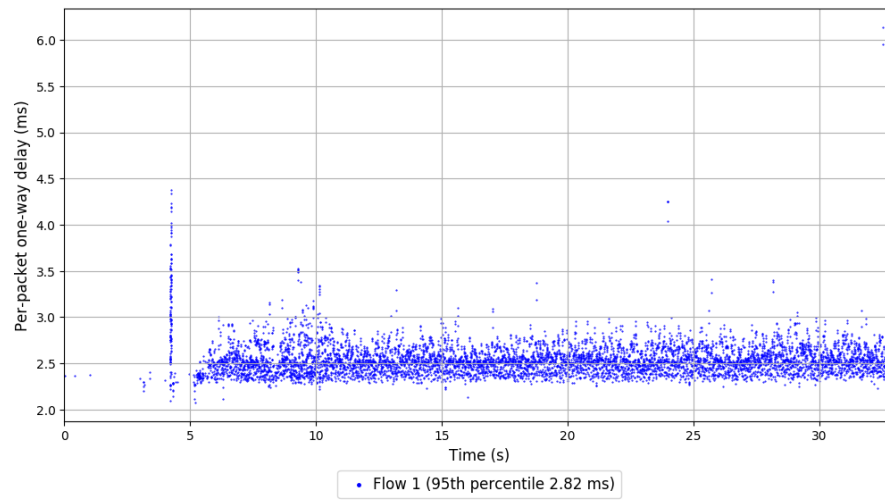
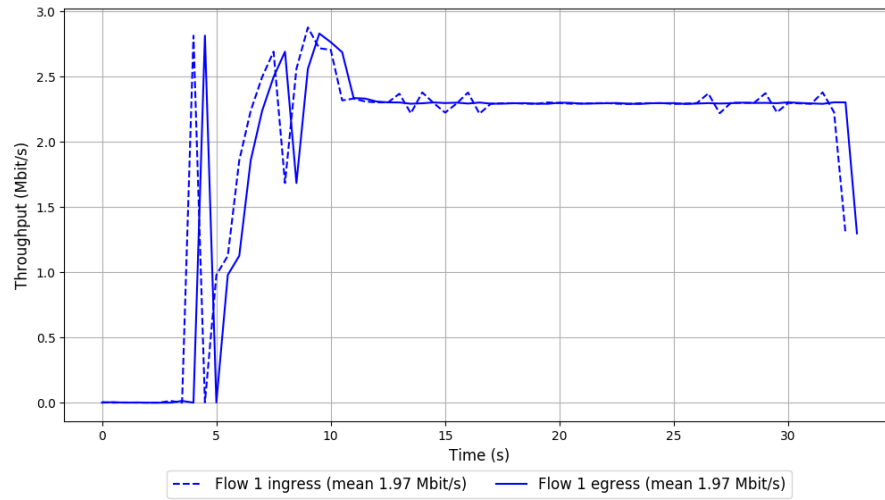


Run 9: Statistics of WebRTC media

Start at: 2018-07-24 09:22:47
End at: 2018-07-24 09:23:17
Local clock offset: -2.016 ms
Remote clock offset: -1.817 ms

Below is generated by plot.py at 2018-07-24 10:18:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 09:41:49

End at: 2018-07-24 09:42:19

Local clock offset: -6.165 ms

Remote clock offset: -2.073 ms

Below is generated by plot.py at 2018-07-24 10:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 2.653 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 2.653 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

