

Pantheon Report

Generated at 2018-06-18 12:12:29 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

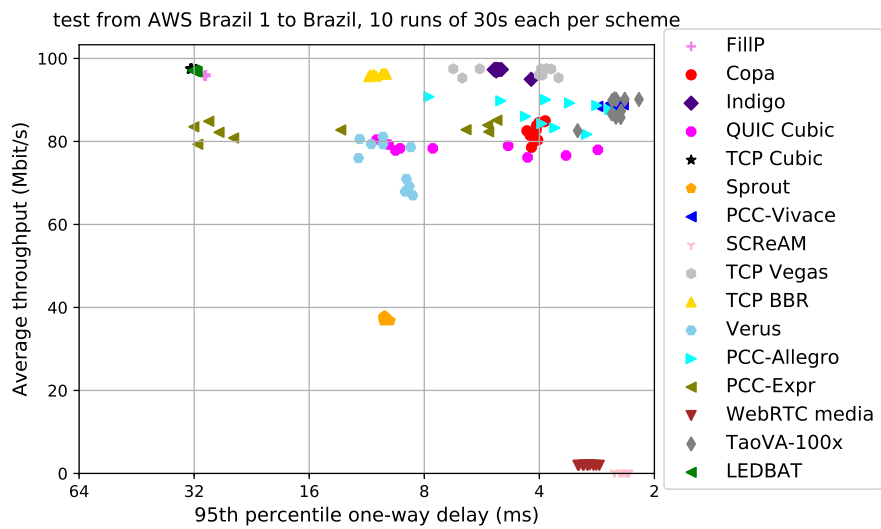
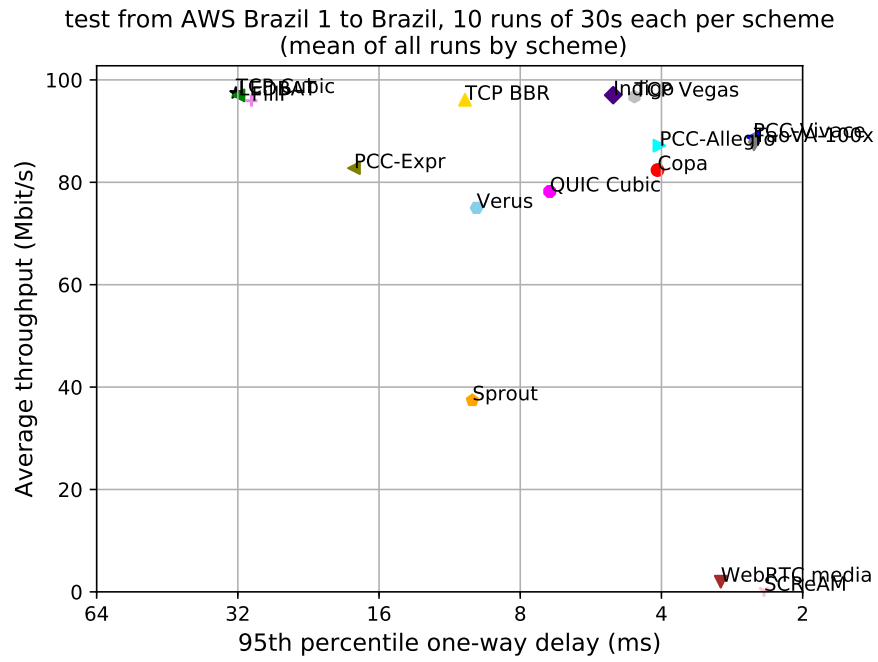
Each test lasted for 30 seconds running 1 flow.

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 @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quic @ 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
```



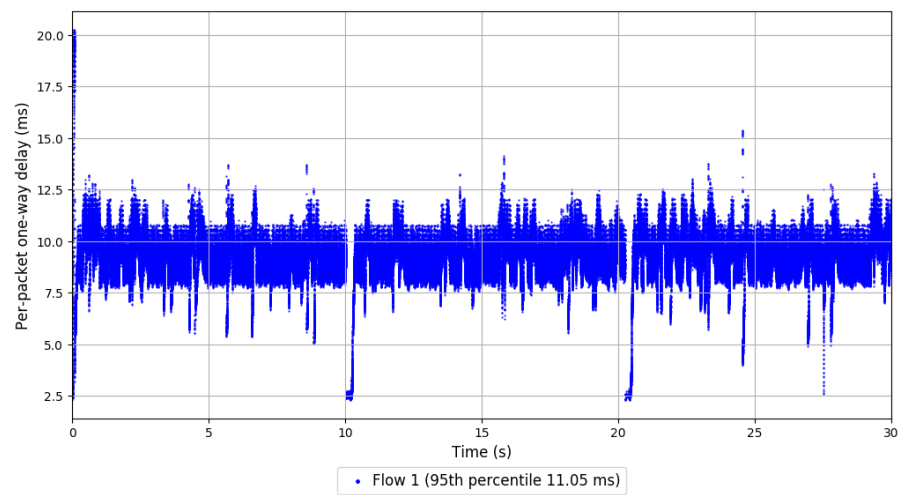
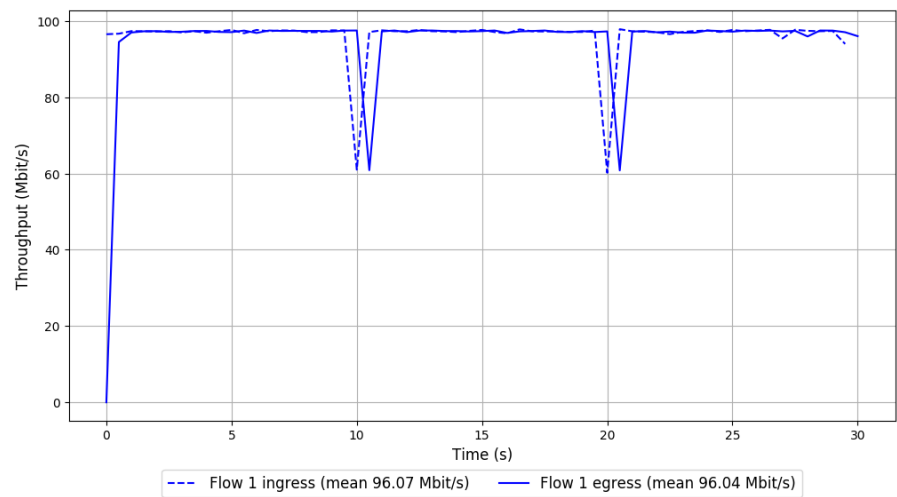
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.11	10.49	0.00
Copa	10	82.39	4.08	0.00
TCP Cubic	10	97.44	32.31	0.01
FillP	10	95.93	29.92	4.85
Indigo	10	97.02	5.07	0.00
LEDBAT	10	96.98	31.90	0.01
PCC-Allegro	10	87.15	4.04	0.00
PCC-Expr	10	82.77	18.10	0.27
QUIC Cubic	9	78.21	6.92	0.31
SCReAM	10	0.22	2.42	0.00
Sprout	10	37.42	10.12	0.00
TaoVA-100x	10	87.87	2.54	0.00
TCP Vegas	10	96.74	4.57	0.00
Verus	10	75.01	9.91	0.90
PCC-Vivace	10	88.76	2.55	0.00
WebRTC media	10	1.98	2.99	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-18 09:01:49
End at: 2018-06-18 09:02:19
Local clock offset: -0.938 ms
Remote clock offset: -7.377 ms

Below is generated by plot.py at 2018-06-18 11:50:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 11.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 11.052 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-18 09:19:44

End at: 2018-06-18 09:20:14

Local clock offset: 0.509 ms

Remote clock offset: -7.042 ms

Below is generated by plot.py at 2018-06-18 11:50:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 10.842 ms

Loss rate: 0.00%

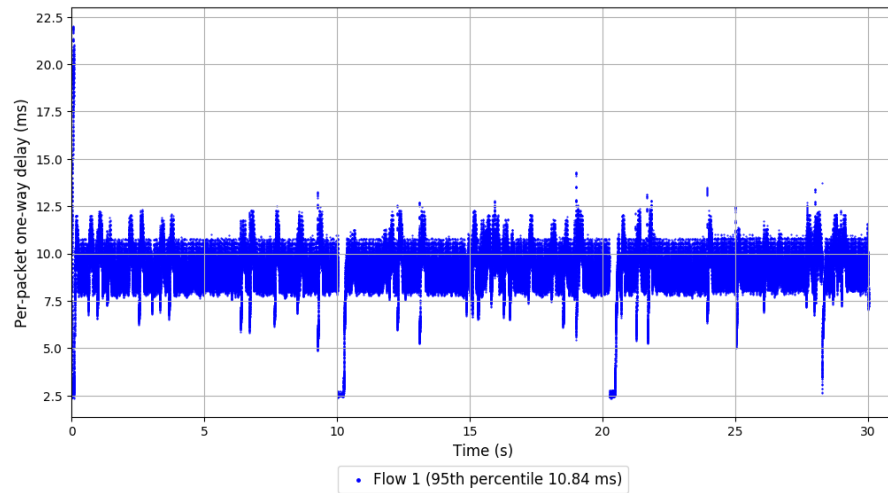
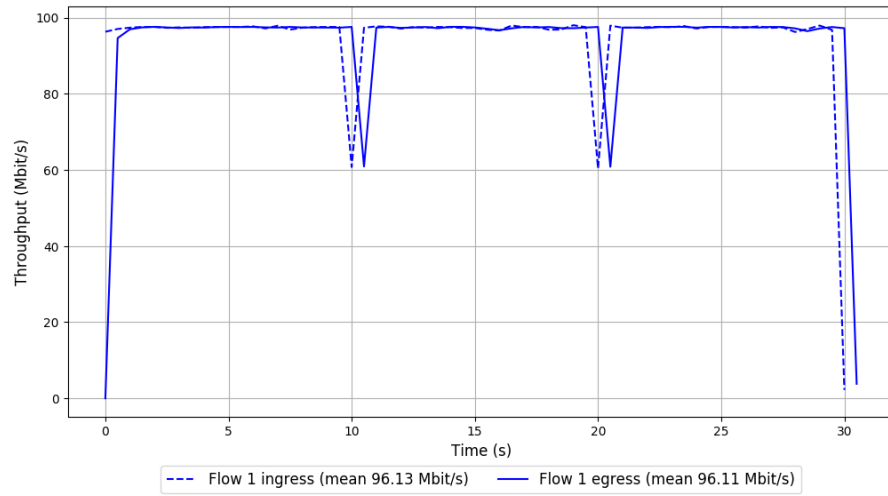
-- Flow 1:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 10.842 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-18 09:37:39

End at: 2018-06-18 09:38:09

Local clock offset: 0.033 ms

Remote clock offset: -6.747 ms

Below is generated by plot.py at 2018-06-18 11:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 10.690 ms

Loss rate: 0.00%

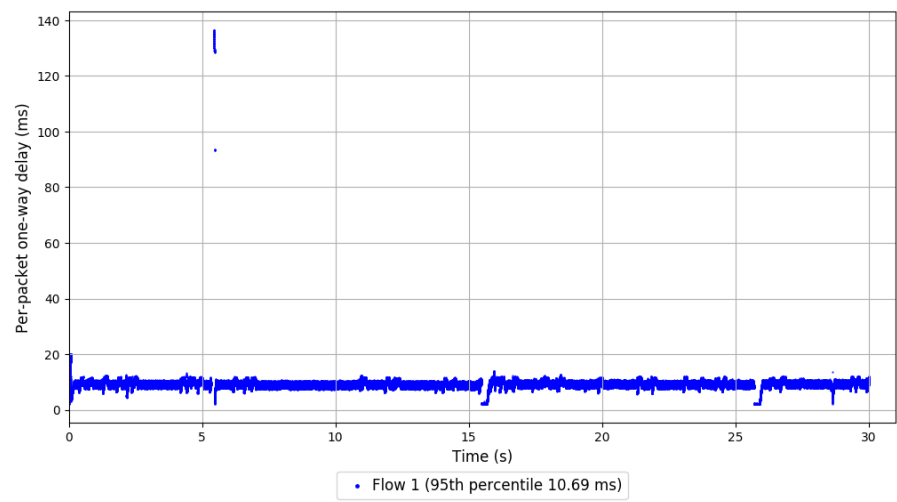
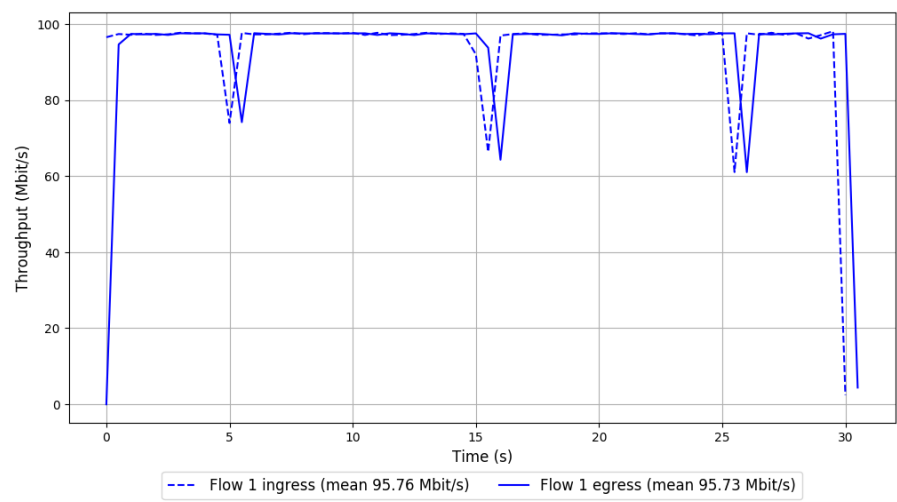
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 10.690 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

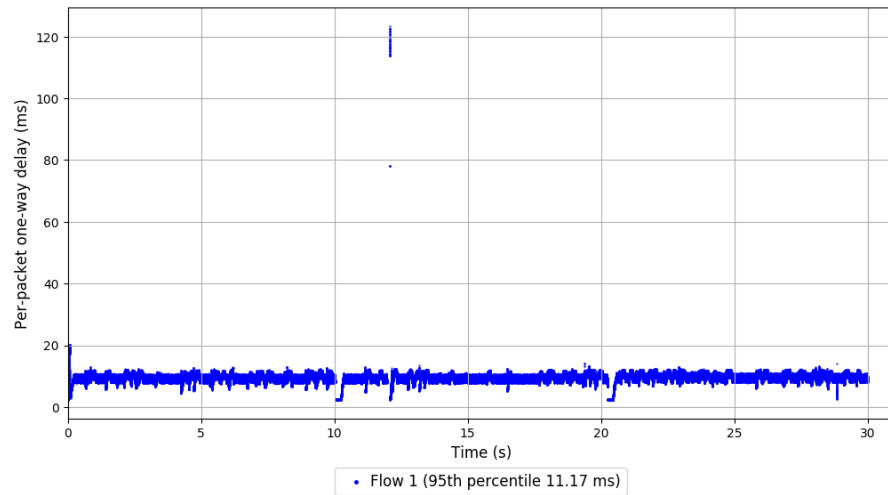
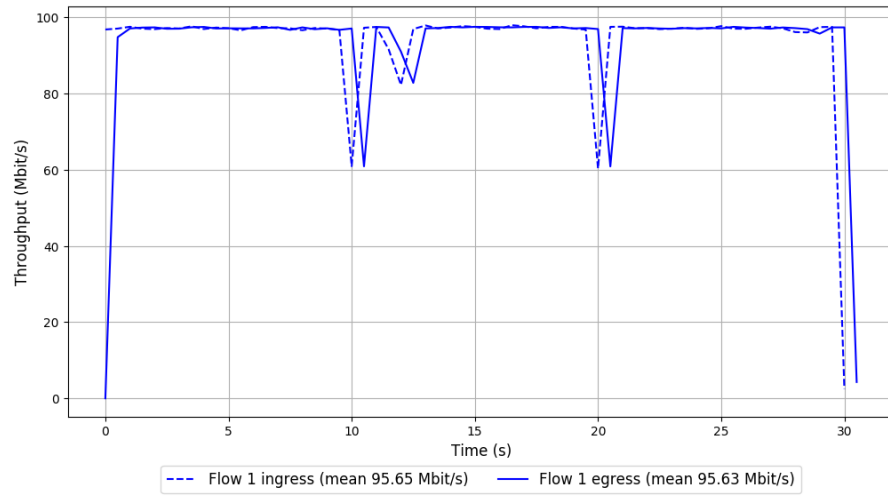


Run 4: Statistics of TCP BBR

Start at: 2018-06-18 09:55:35
End at: 2018-06-18 09:56:05
Local clock offset: -2.826 ms
Remote clock offset: -6.606 ms

Below is generated by plot.py at 2018-06-18 11:50:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 11.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 11.174 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

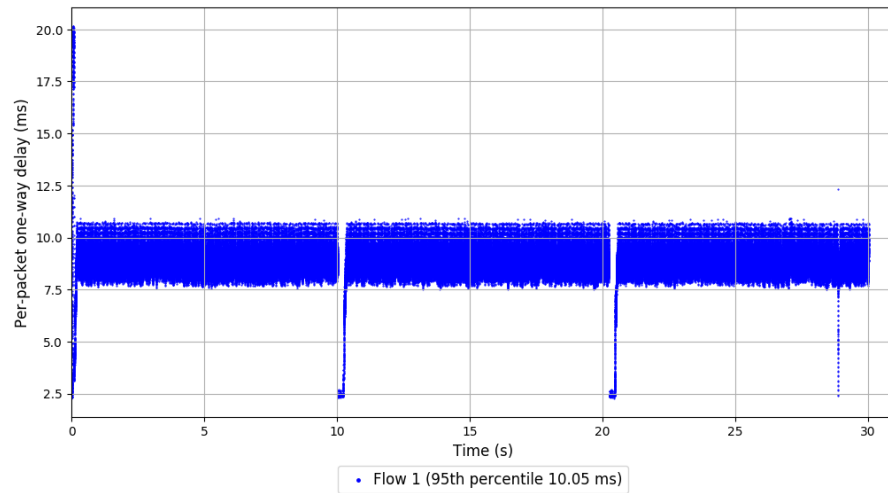
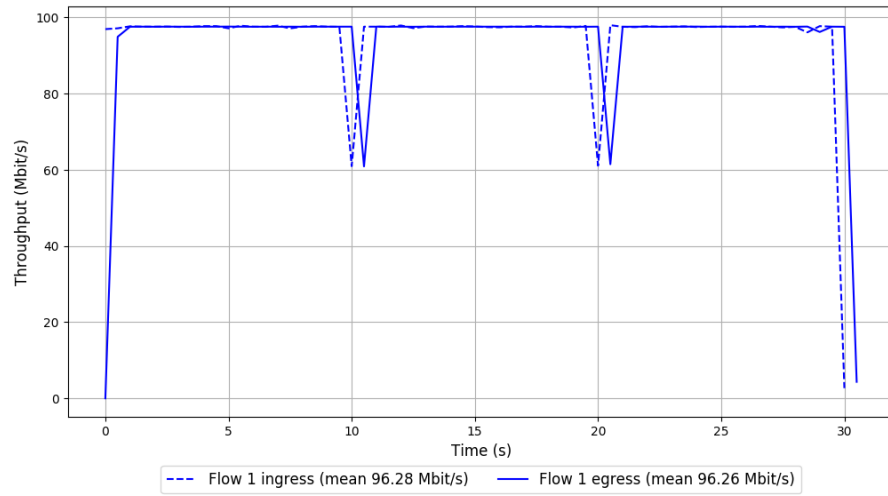


Run 5: Statistics of TCP BBR

Start at: 2018-06-18 10:13:30
End at: 2018-06-18 10:14:00
Local clock offset: -3.039 ms
Remote clock offset: -3.892 ms

Below is generated by plot.py at 2018-06-18 11:50:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.054 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

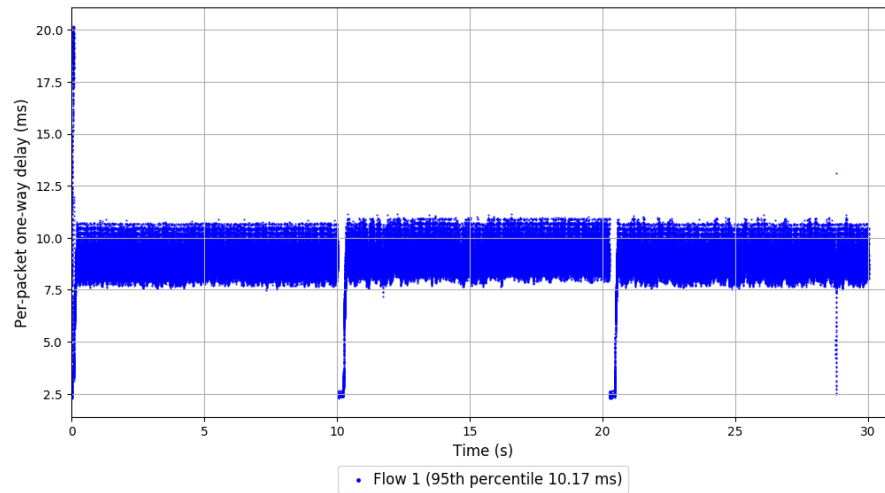
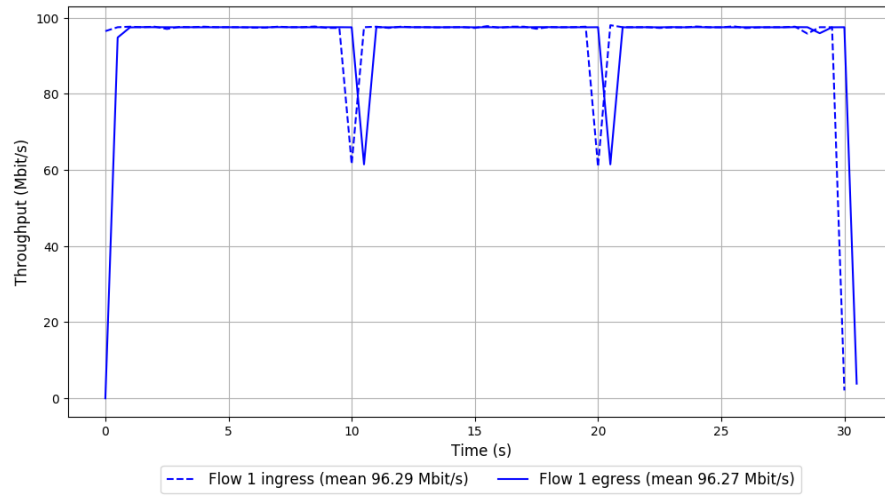


Run 6: Statistics of TCP BBR

Start at: 2018-06-18 10:31:26
End at: 2018-06-18 10:31:56
Local clock offset: -3.175 ms
Remote clock offset: -2.774 ms

Below is generated by plot.py at 2018-06-18 11:50:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.172 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

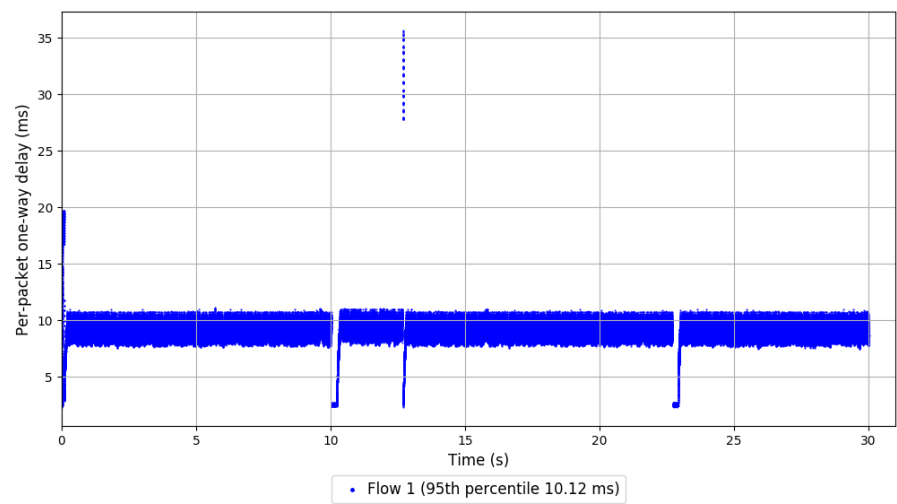
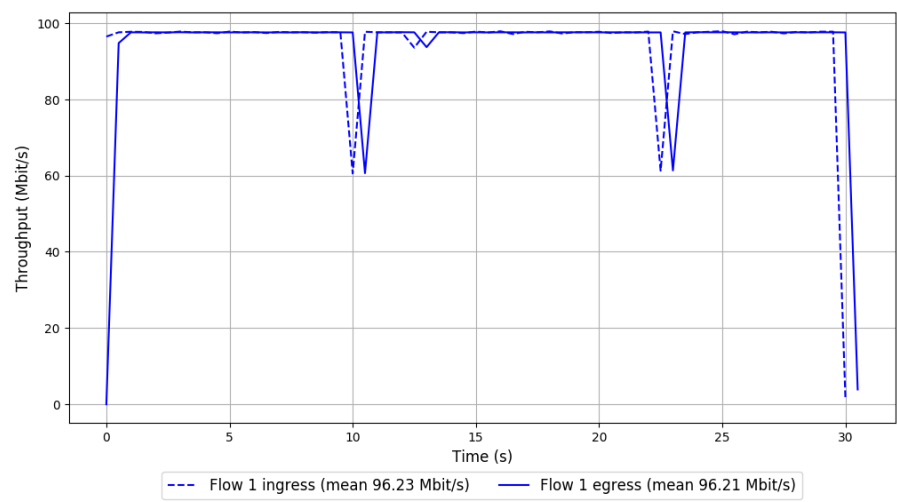


Run 7: Statistics of TCP BBR

Start at: 2018-06-18 10:49:27
End at: 2018-06-18 10:49:57
Local clock offset: -2.292 ms
Remote clock offset: -2.165 ms

Below is generated by plot.py at 2018-06-18 11:50:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-18 11:07:22

End at: 2018-06-18 11:07:52

Local clock offset: -2.33 ms

Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-06-18 11:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.184 ms

Loss rate: 0.00%

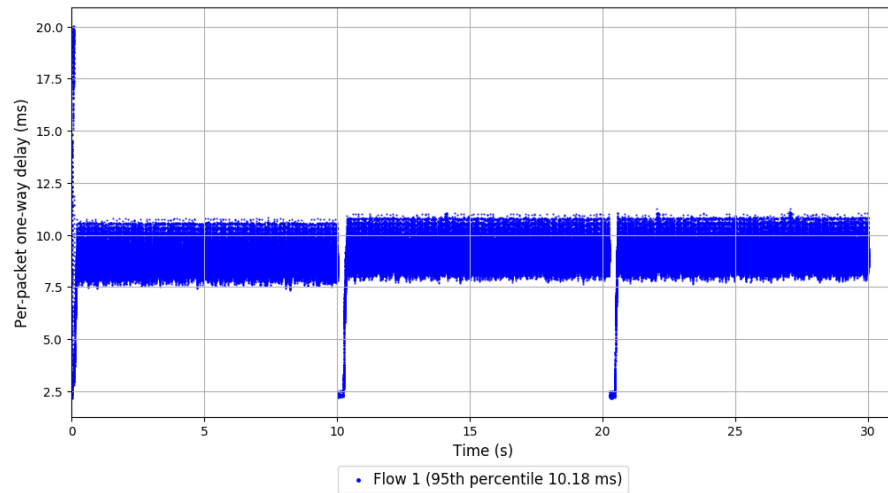
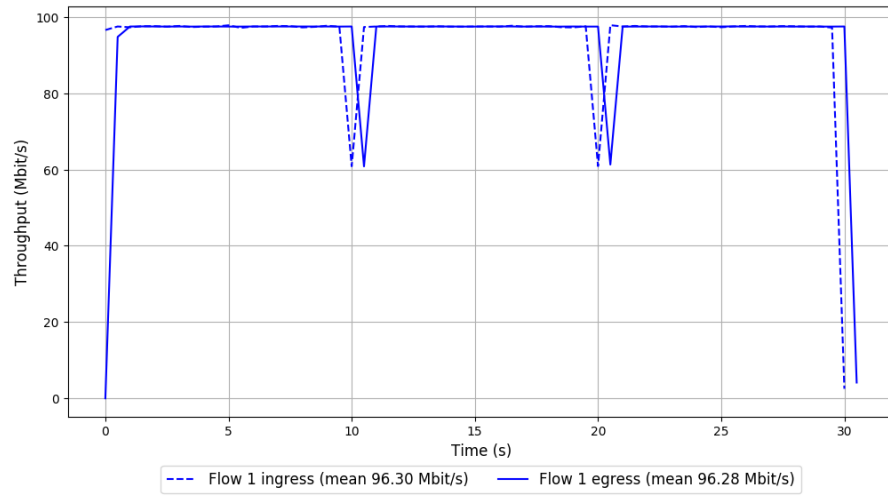
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.184 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-18 11:25:18

End at: 2018-06-18 11:25:48

Local clock offset: -2.851 ms

Remote clock offset: -3.24 ms

Below is generated by plot.py at 2018-06-18 11:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 10.292 ms

Loss rate: 0.00%

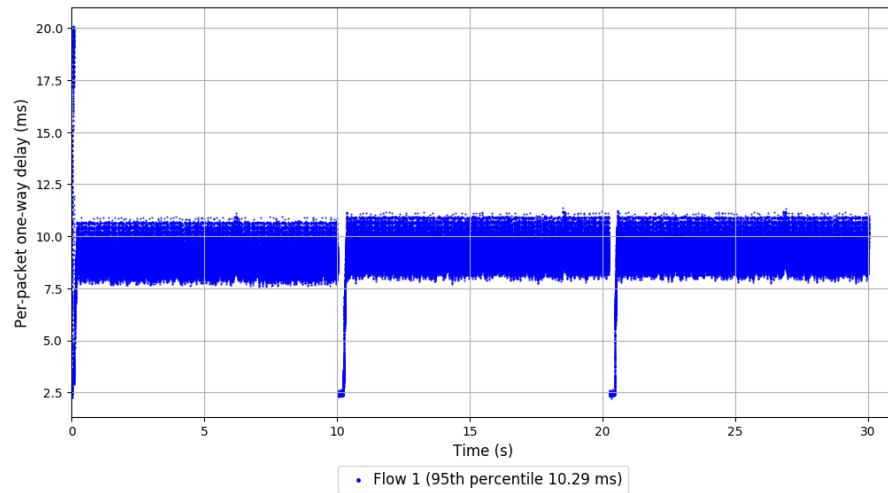
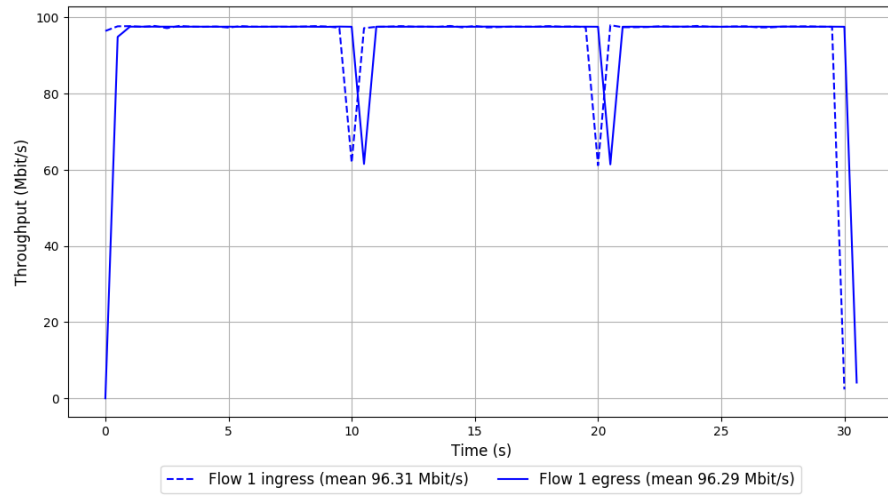
-- Flow 1:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 10.292 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-18 11:43:14

End at: 2018-06-18 11:43:44

Local clock offset: -6.024 ms

Remote clock offset: -3.828 ms

Below is generated by plot.py at 2018-06-18 11:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 10.335 ms

Loss rate: 0.00%

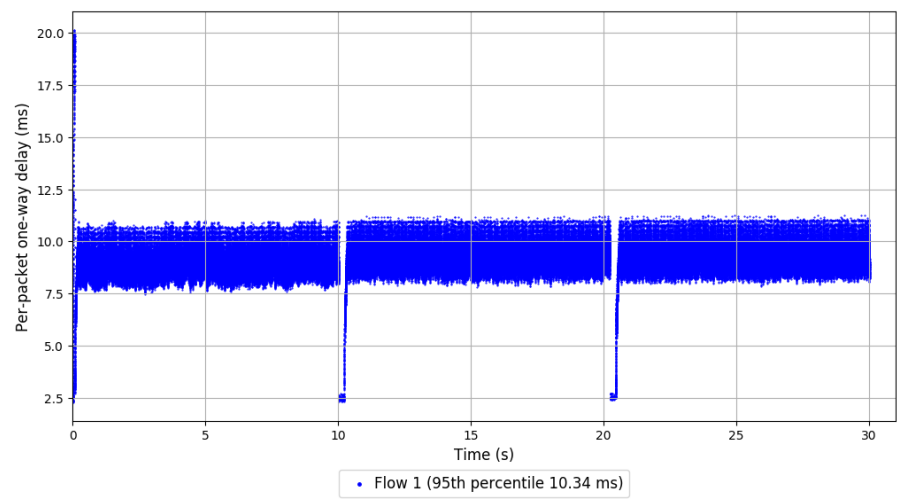
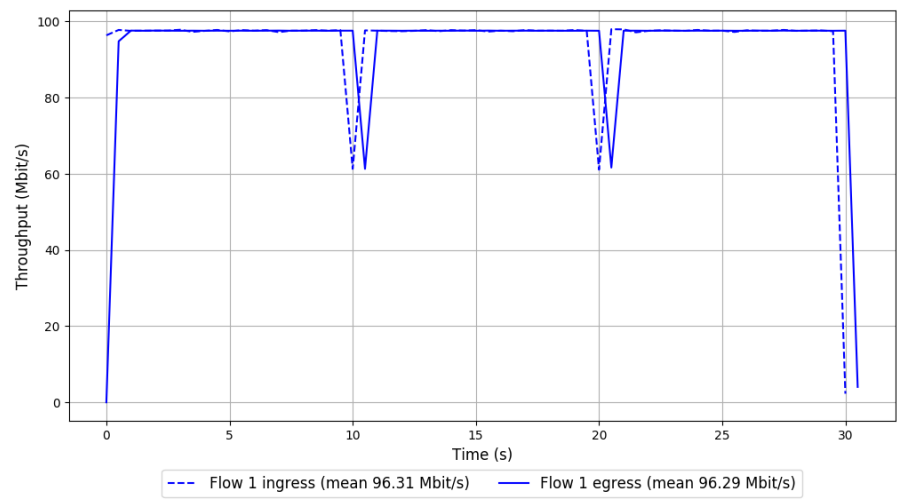
-- Flow 1:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 10.335 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

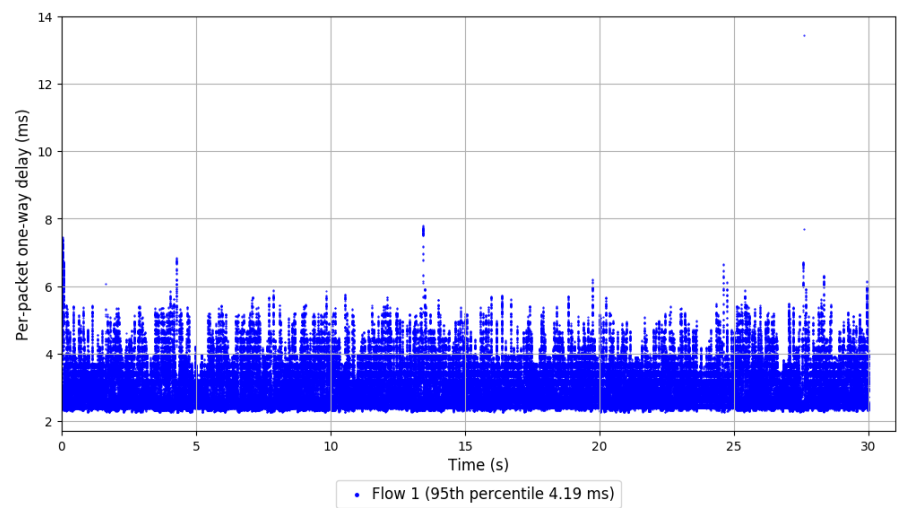
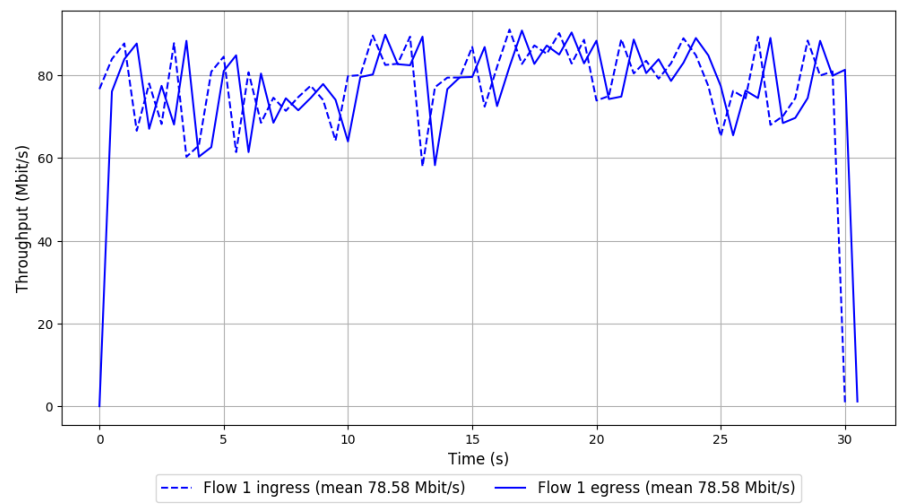


Run 1: Statistics of Copa

Start at: 2018-06-18 08:56:12
End at: 2018-06-18 08:56:42
Local clock offset: -1.356 ms
Remote clock offset: -7.627 ms

Below is generated by plot.py at 2018-06-18 11:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-18 09:14:07

End at: 2018-06-18 09:14:37

Local clock offset: 0.011 ms

Remote clock offset: -7.07 ms

Below is generated by plot.py at 2018-06-18 11:52:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 4.310 ms

Loss rate: 0.00%

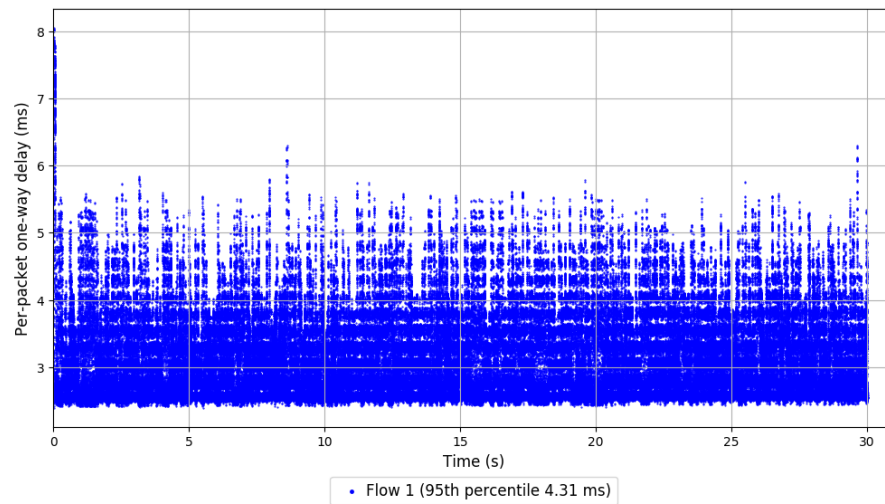
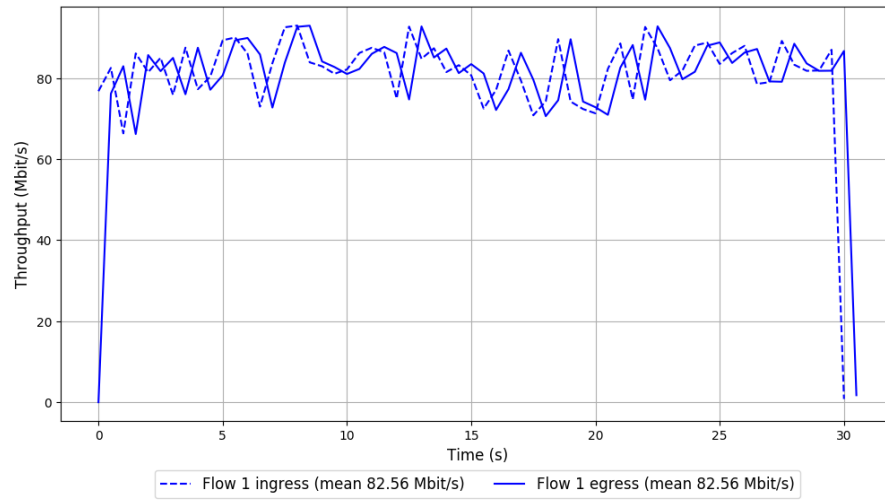
-- Flow 1:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 4.310 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

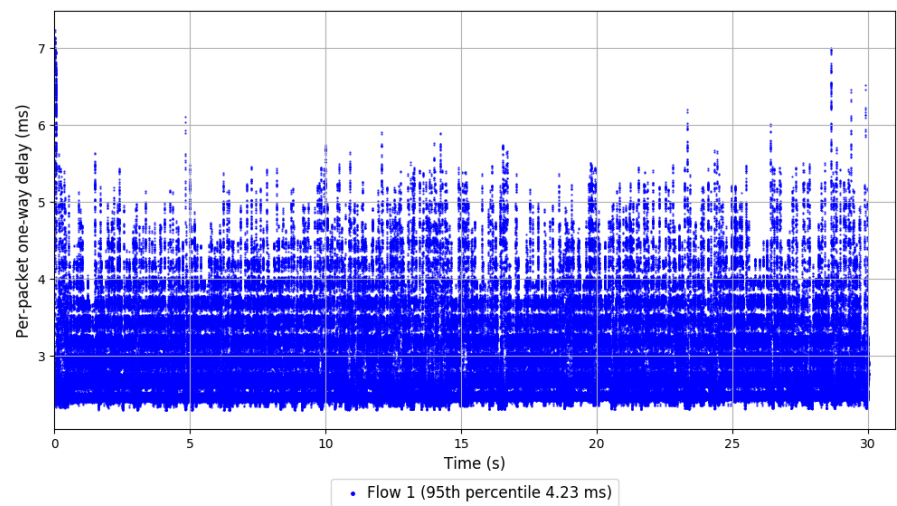
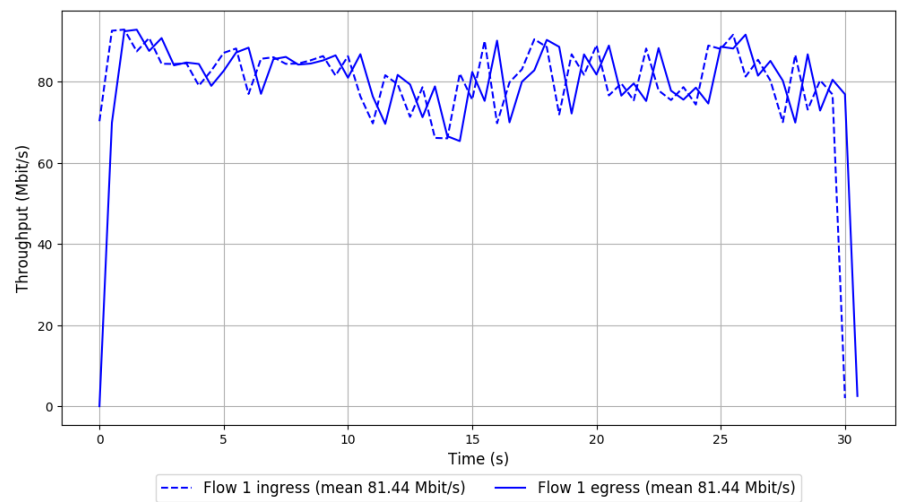


Run 3: Statistics of Copa

Start at: 2018-06-18 09:32:03
End at: 2018-06-18 09:32:33
Local clock offset: 1.415 ms
Remote clock offset: -6.842 ms

Below is generated by plot.py at 2018-06-18 11:52:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 4.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 4.226 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

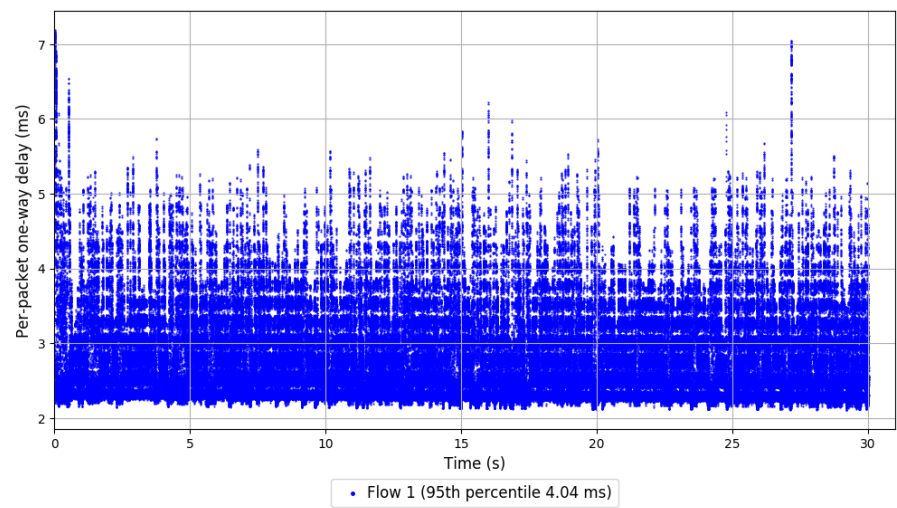
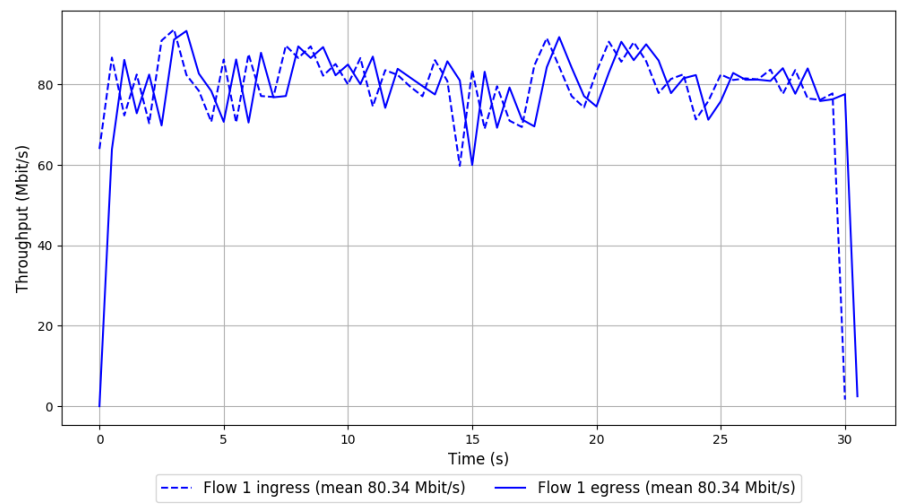


Run 4: Statistics of Copa

Start at: 2018-06-18 09:49:58
End at: 2018-06-18 09:50:28
Local clock offset: -2.361 ms
Remote clock offset: -6.656 ms

Below is generated by plot.py at 2018-06-18 11:52:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 4.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 4.039 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

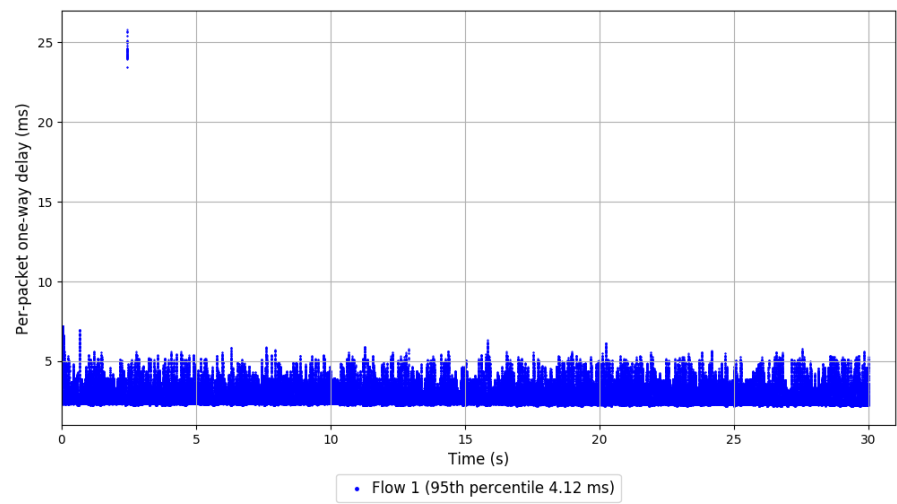
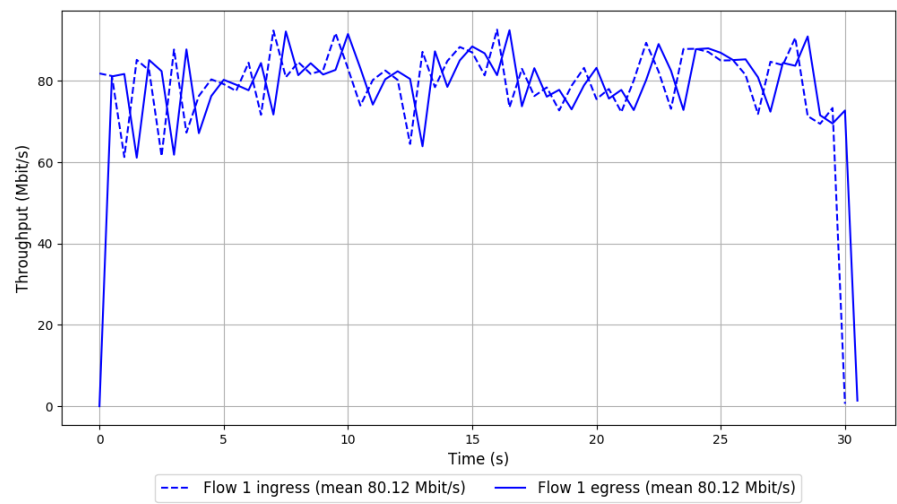


Run 5: Statistics of Copa

Start at: 2018-06-18 10:07:54
End at: 2018-06-18 10:08:24
Local clock offset: -3.051 ms
Remote clock offset: -4.609 ms

Below is generated by plot.py at 2018-06-18 11:52:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-18 10:25:49

End at: 2018-06-18 10:26:19

Local clock offset: -3.076 ms

Remote clock offset: -3.03 ms

Below is generated by plot.py at 2018-06-18 11:52:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 4.009 ms

Loss rate: 0.00%

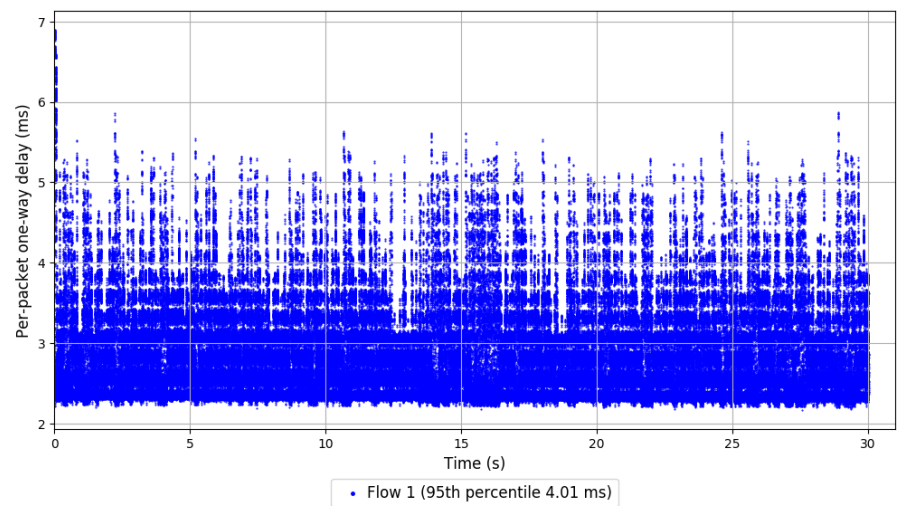
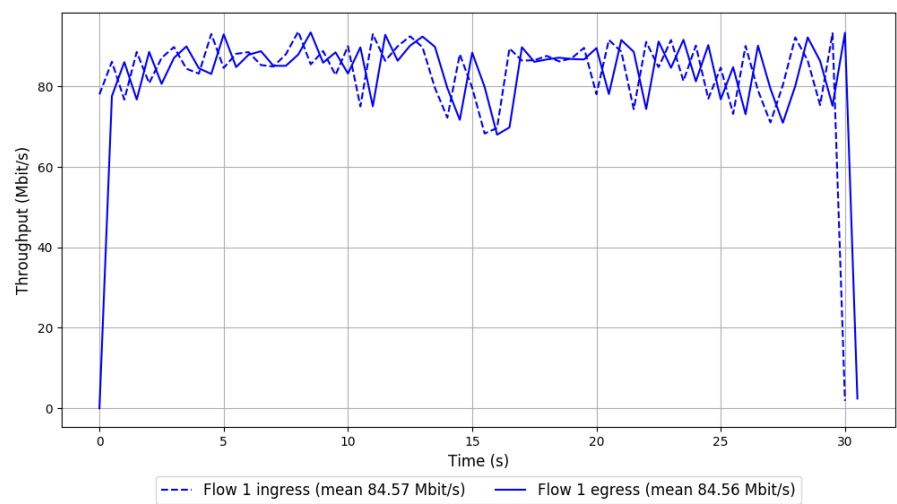
-- Flow 1:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 4.009 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

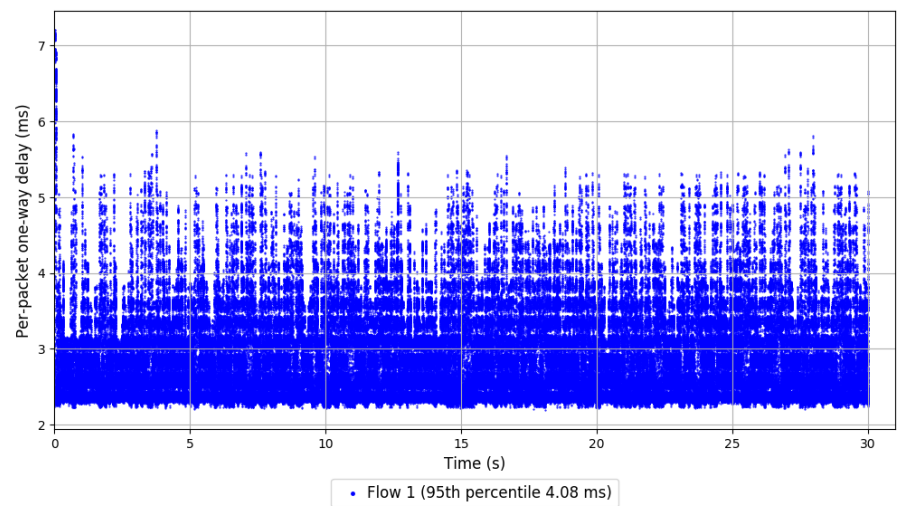
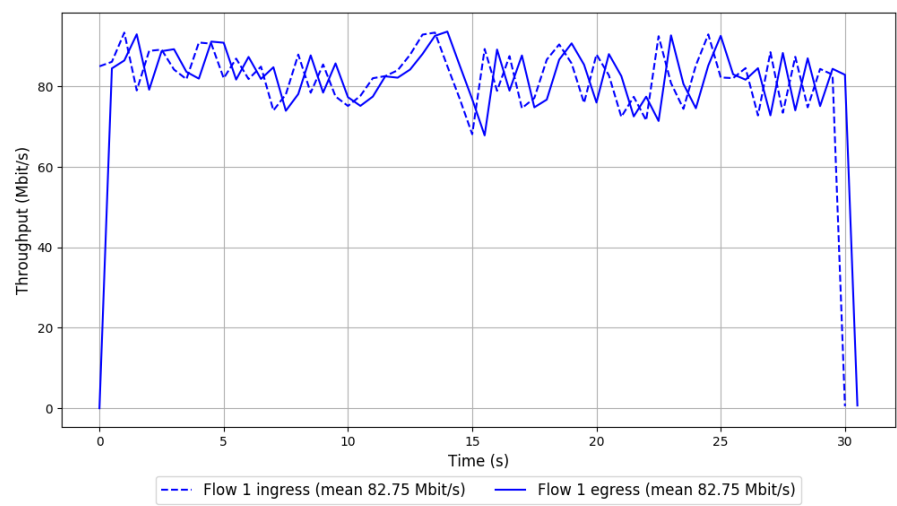


Run 7: Statistics of Copa

Start at: 2018-06-18 10:43:45
End at: 2018-06-18 10:44:15
Local clock offset: -2.482 ms
Remote clock offset: -2.442 ms

Below is generated by plot.py at 2018-06-18 11:53:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 4.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 4.078 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

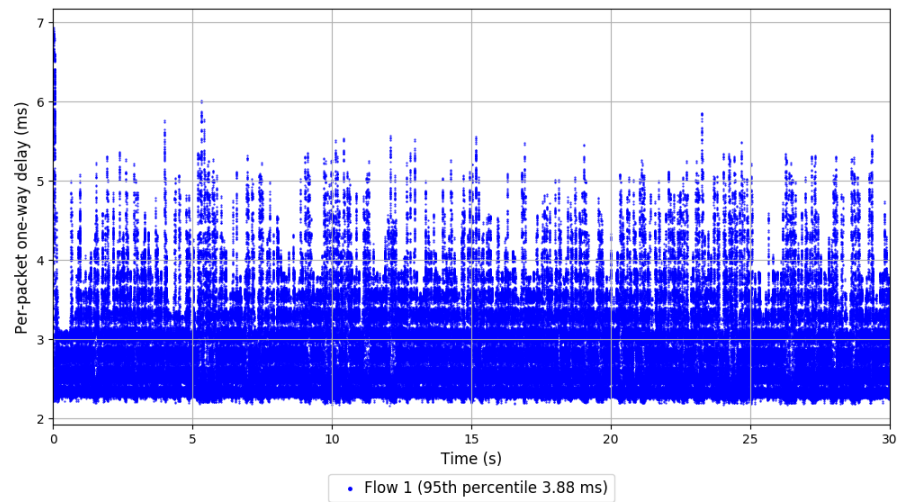
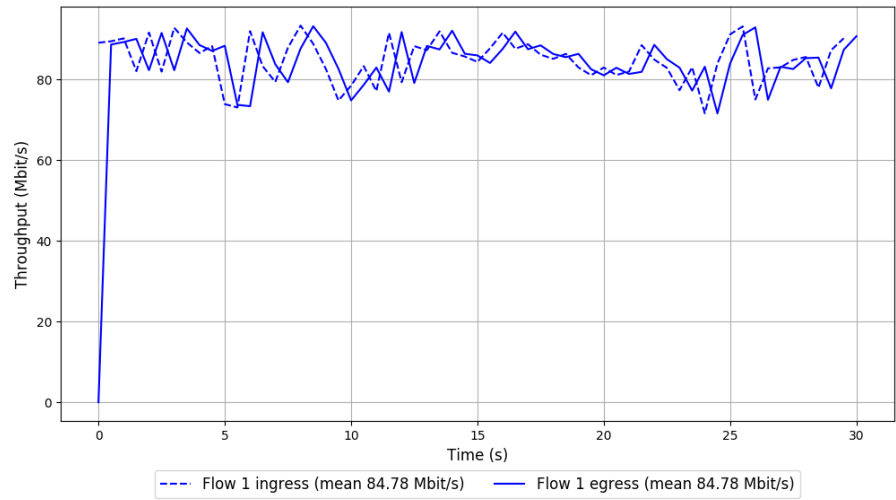


Run 8: Statistics of Copa

Start at: 2018-06-18 11:01:45
End at: 2018-06-18 11:02:15
Local clock offset: -2.122 ms
Remote clock offset: -1.785 ms

Below is generated by plot.py at 2018-06-18 11:53:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 3.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 3.880 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

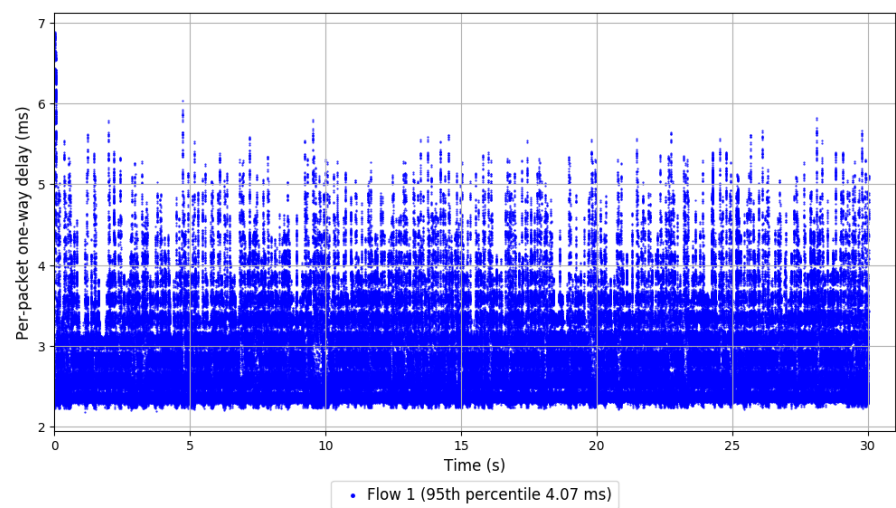
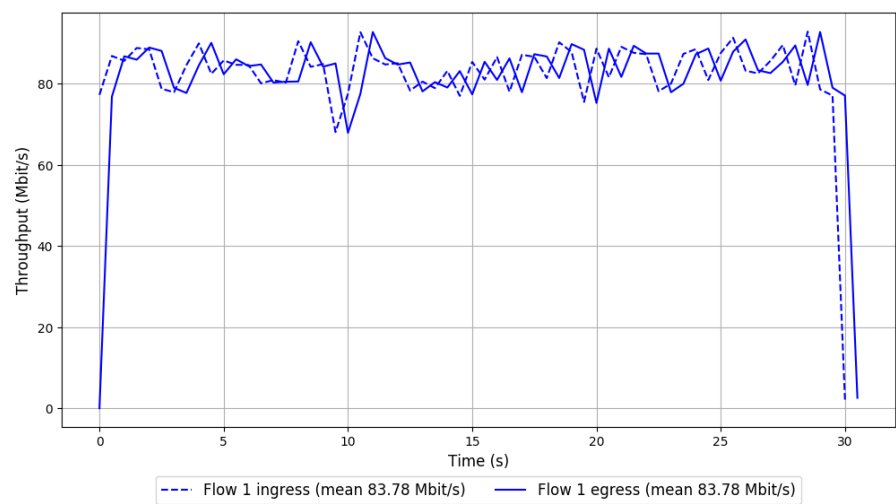


Run 9: Statistics of Copa

Start at: 2018-06-18 11:19:41
End at: 2018-06-18 11:20:11
Local clock offset: -2.754 ms
Remote clock offset: -3.042 ms

Below is generated by plot.py at 2018-06-18 11:54:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 4.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 4.069 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

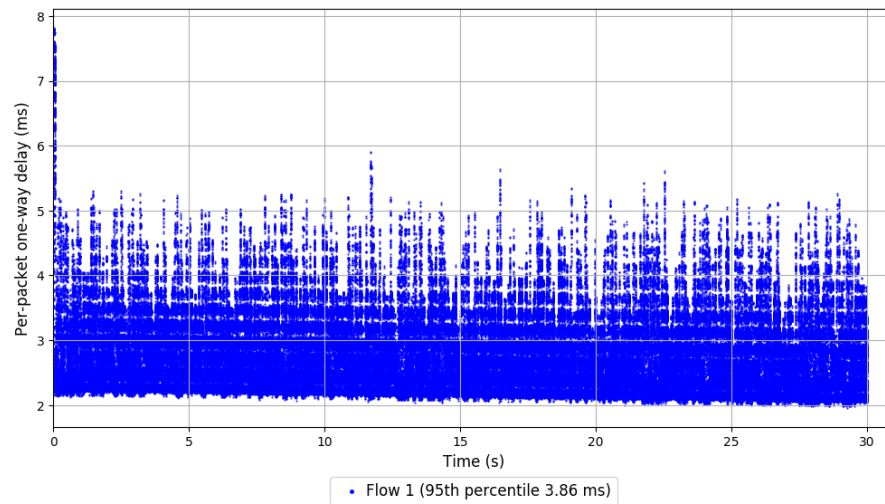
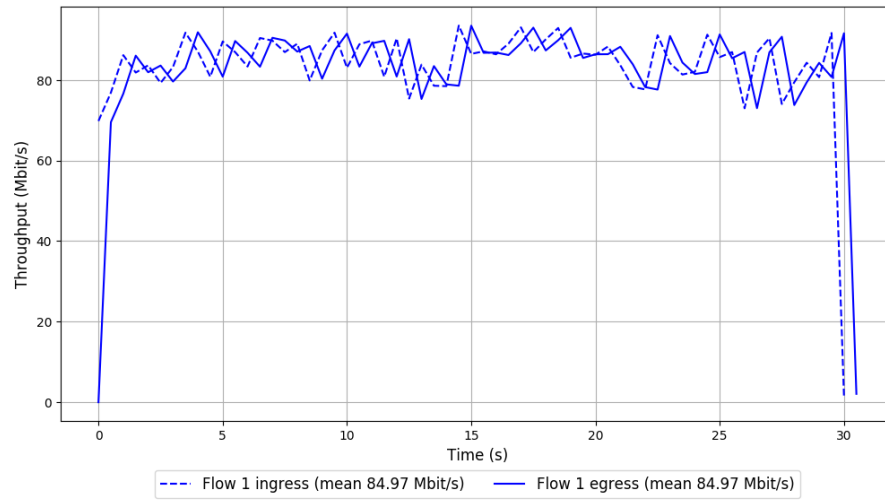


Run 10: Statistics of Copa

Start at: 2018-06-18 11:37:37
End at: 2018-06-18 11:38:07
Local clock offset: -4.495 ms
Remote clock offset: -3.326 ms

Below is generated by plot.py at 2018-06-18 11:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 3.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 3.861 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

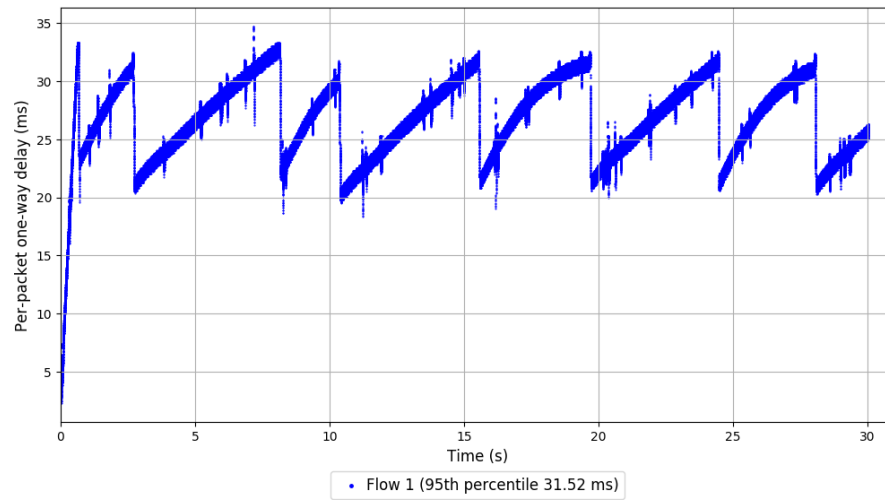
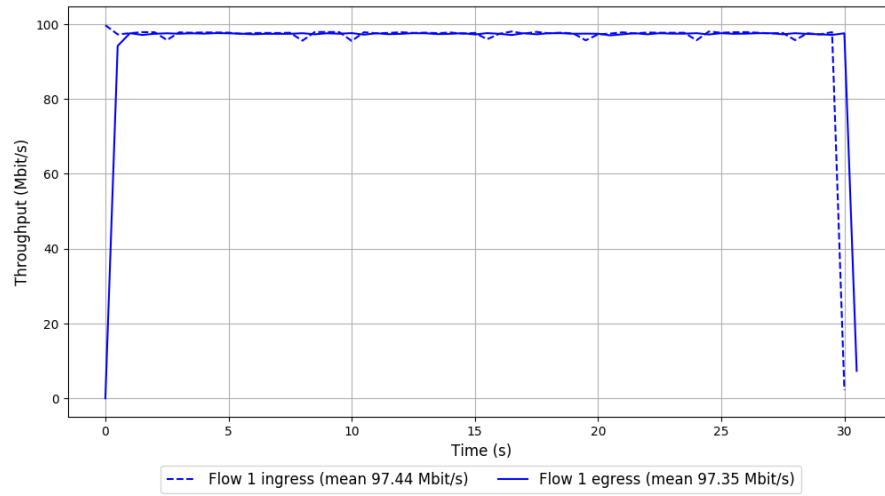


Run 1: Statistics of TCP Cubic

Start at: 2018-06-18 08:57:22
End at: 2018-06-18 08:57:52
Local clock offset: -1.315 ms
Remote clock offset: -7.594 ms

Below is generated by plot.py at 2018-06-18 11:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 31.518 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 31.518 ms
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

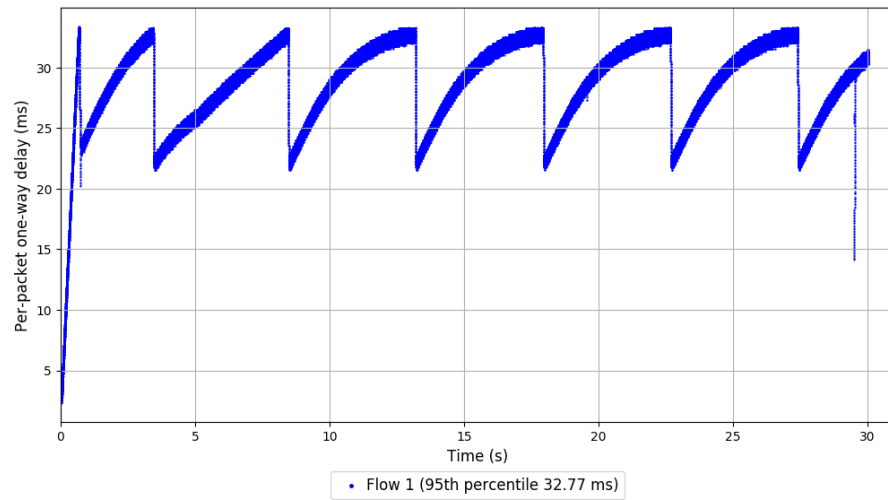
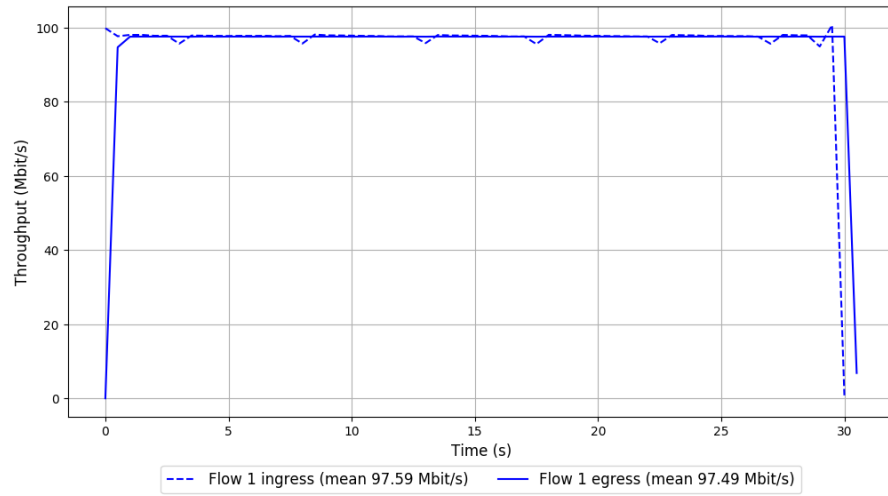


Run 2: Statistics of TCP Cubic

Start at: 2018-06-18 09:15:17
End at: 2018-06-18 09:15:47
Local clock offset: 0.173 ms
Remote clock offset: -7.086 ms

Below is generated by plot.py at 2018-06-18 11:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.771 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.771 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

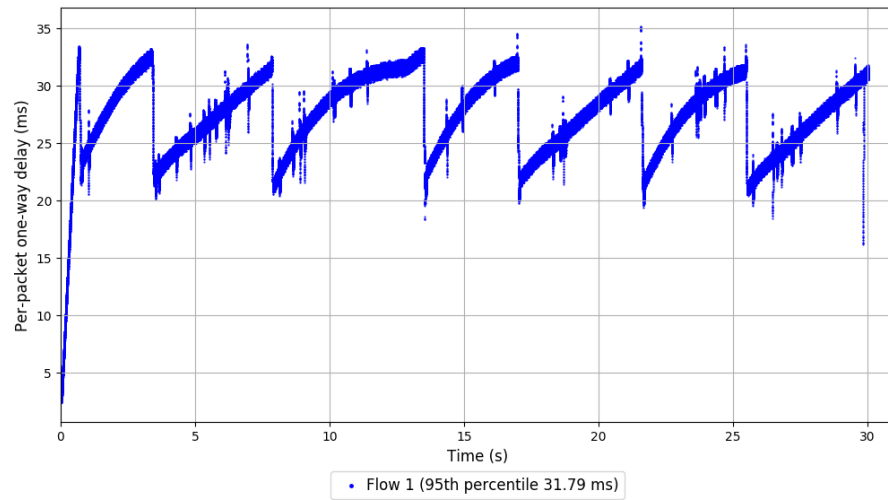
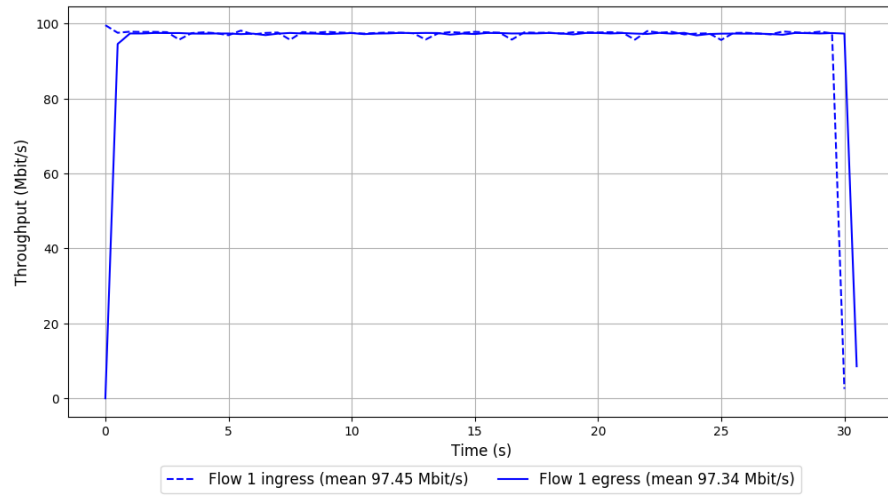


Run 3: Statistics of TCP Cubic

Start at: 2018-06-18 09:33:12
End at: 2018-06-18 09:33:42
Local clock offset: 1.471 ms
Remote clock offset: -6.872 ms

Below is generated by plot.py at 2018-06-18 11:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 31.787 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 31.787 ms
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

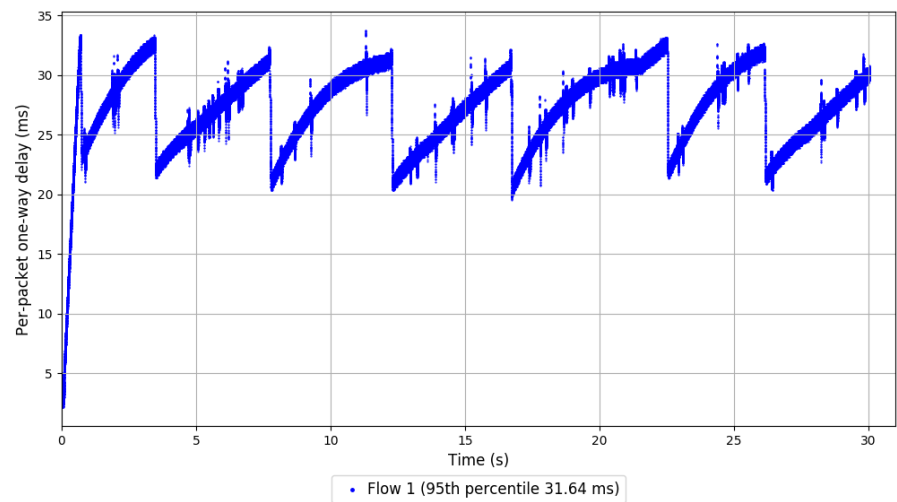
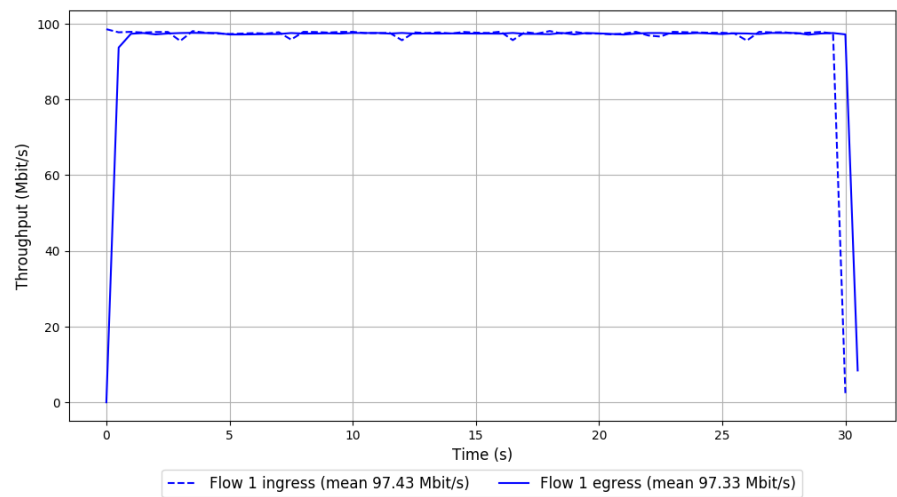


Run 4: Statistics of TCP Cubic

Start at: 2018-06-18 09:51:07
End at: 2018-06-18 09:51:37
Local clock offset: -2.439 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-06-18 11:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 31.640 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 31.640 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

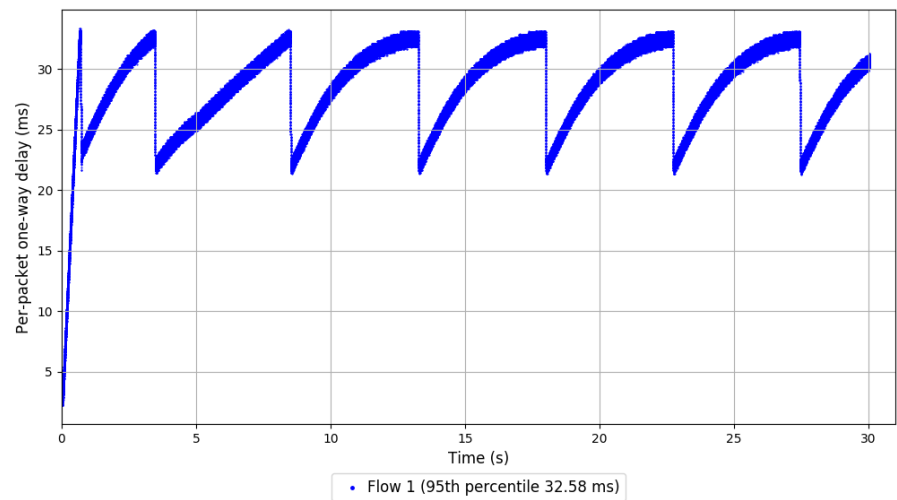
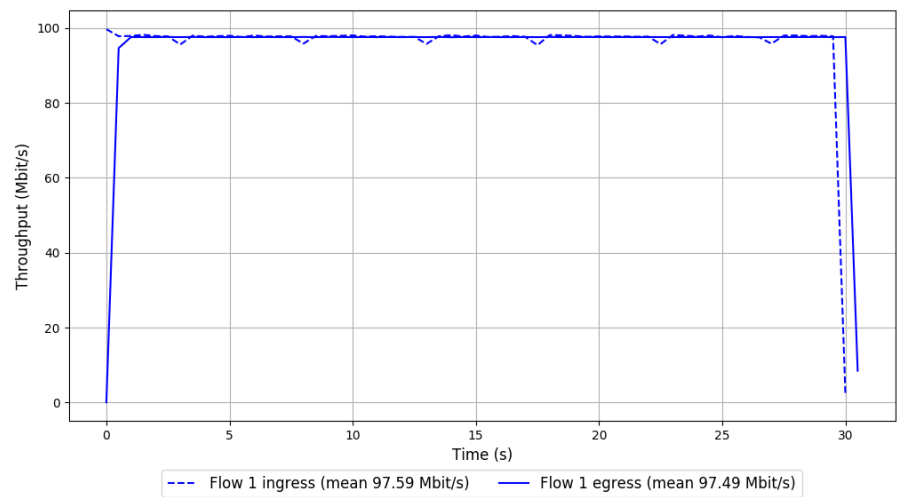


Run 5: Statistics of TCP Cubic

Start at: 2018-06-18 10:09:03
End at: 2018-06-18 10:09:33
Local clock offset: -3.039 ms
Remote clock offset: -4.516 ms

Below is generated by plot.py at 2018-06-18 11:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

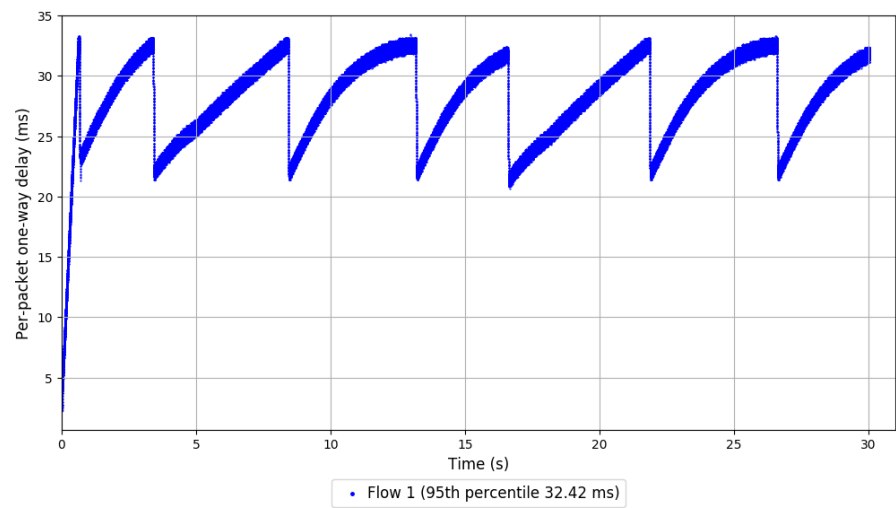
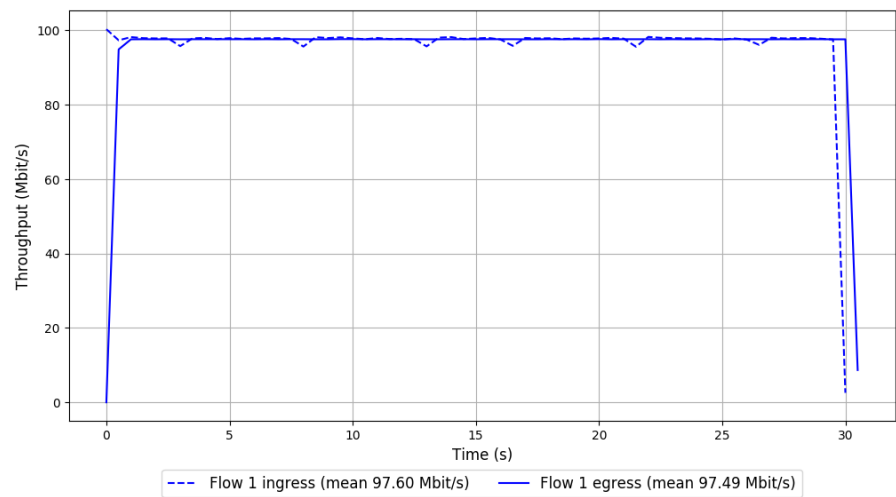


Run 6: Statistics of TCP Cubic

Start at: 2018-06-18 10:26:58
End at: 2018-06-18 10:27:28
Local clock offset: -3.079 ms
Remote clock offset: -2.991 ms

Below is generated by plot.py at 2018-06-18 11:54:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

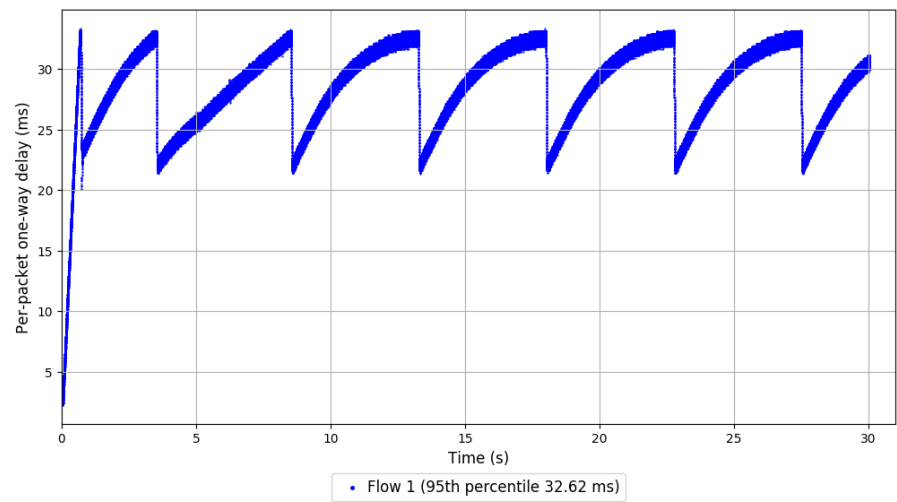
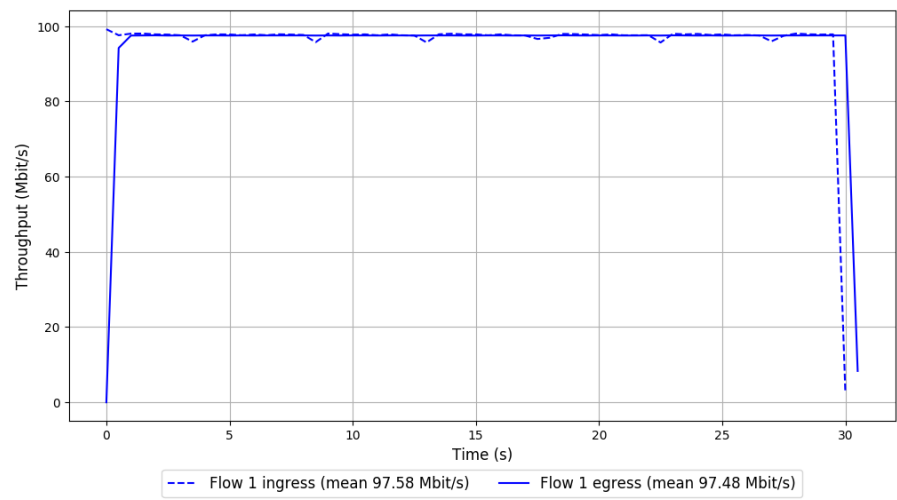


Run 7: Statistics of TCP Cubic

Start at: 2018-06-18 10:44:54
End at: 2018-06-18 10:45:24
Local clock offset: -2.425 ms
Remote clock offset: -2.415 ms

Below is generated by plot.py at 2018-06-18 11:54:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

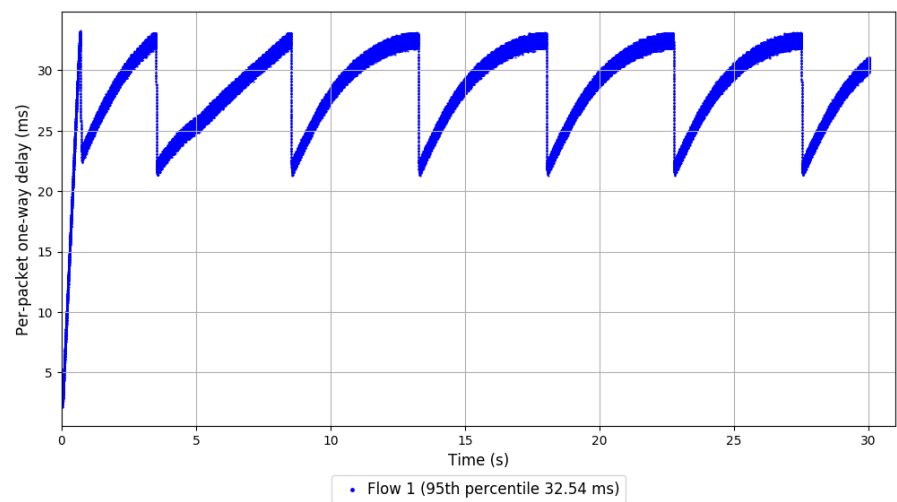
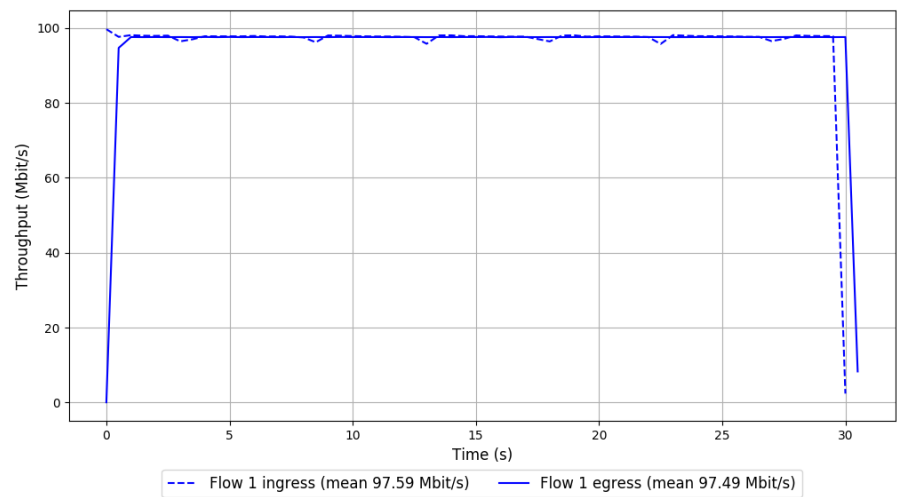


Run 8: Statistics of TCP Cubic

Start at: 2018-06-18 11:02:55
End at: 2018-06-18 11:03:25
Local clock offset: -2.106 ms
Remote clock offset: -1.807 ms

Below is generated by plot.py at 2018-06-18 11:54:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.536 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.536 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

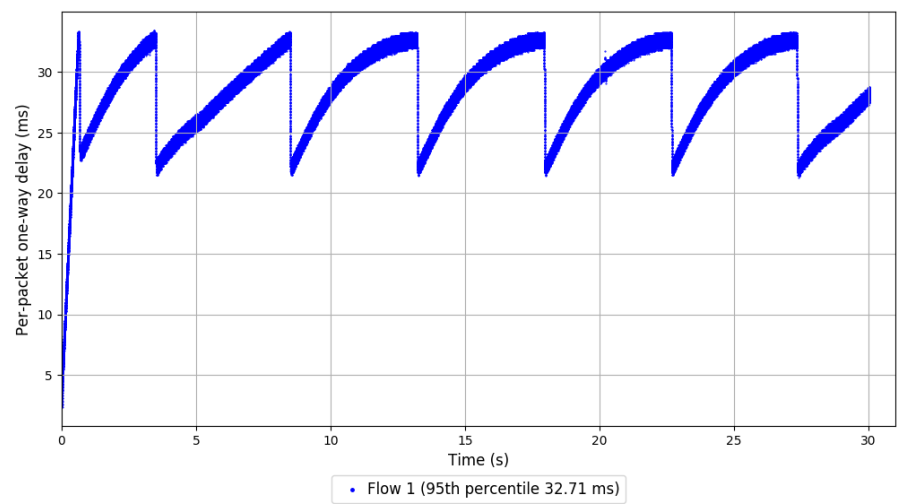
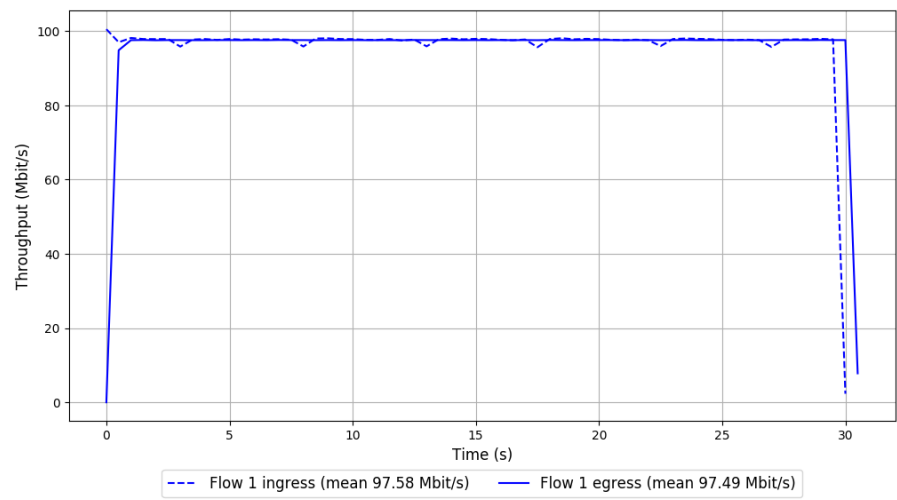


Run 9: Statistics of TCP Cubic

Start at: 2018-06-18 11:20:51
End at: 2018-06-18 11:21:21
Local clock offset: -2.786 ms
Remote clock offset: -3.046 ms

Below is generated by plot.py at 2018-06-18 11:54:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.713 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.713 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-18 11:38:47

End at: 2018-06-18 11:39:17

Local clock offset: -4.923 ms

Remote clock offset: -3.299 ms

Below is generated by plot.py at 2018-06-18 11:54:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.561 ms

Loss rate: 0.01%

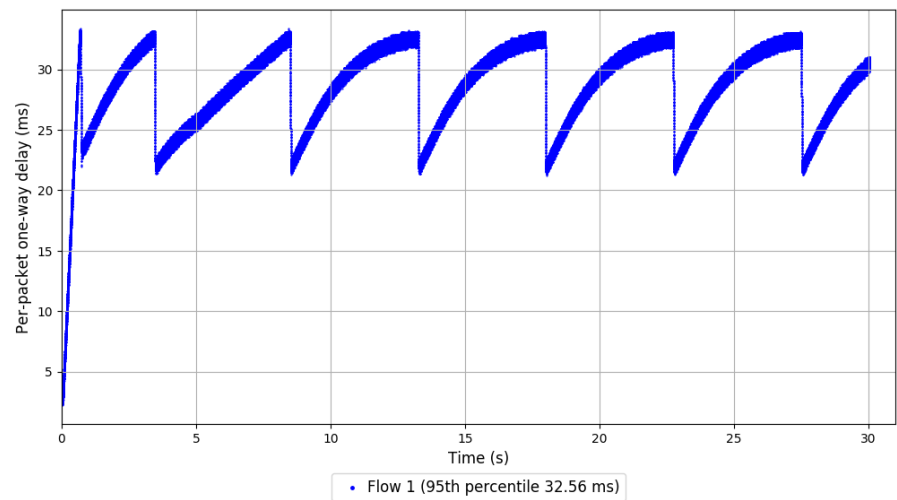
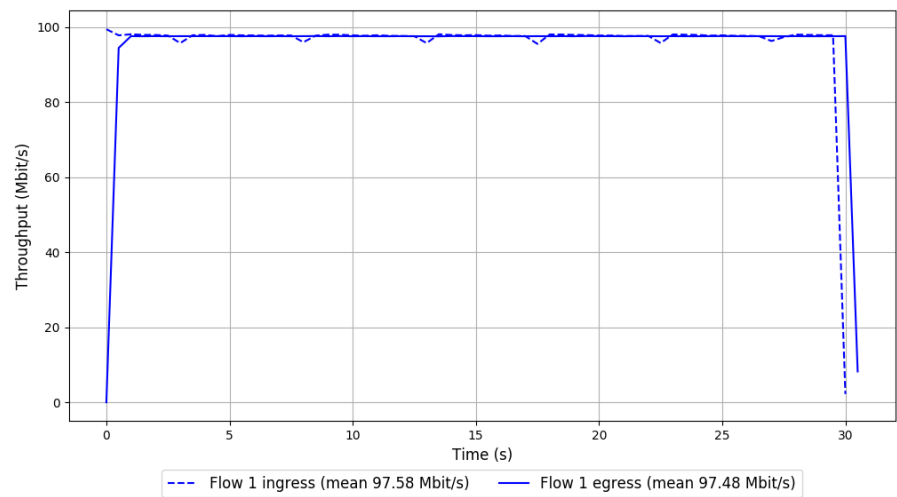
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.561 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

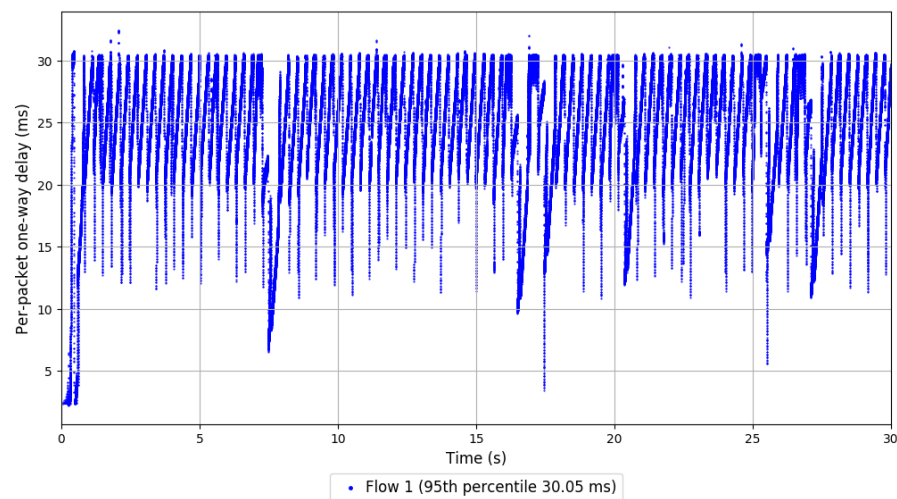
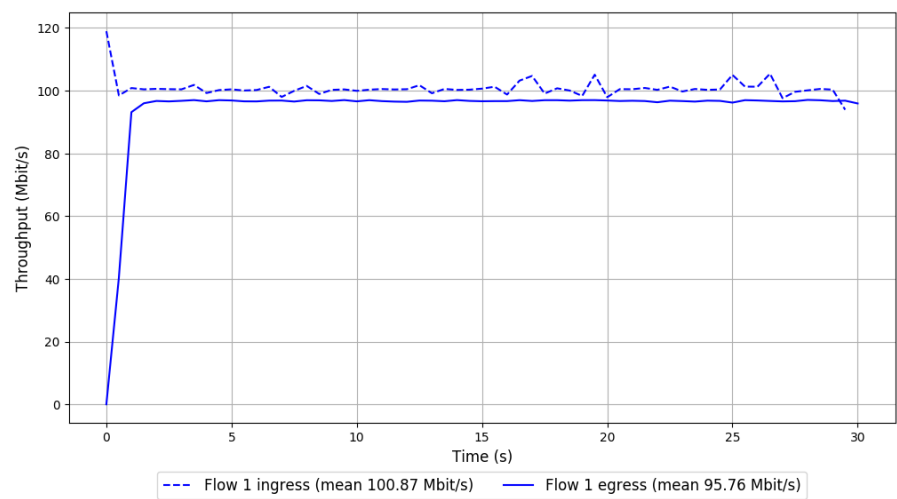


Run 1: Statistics of FillP

Start at: 2018-06-18 08:59:35
End at: 2018-06-18 09:00:05
Local clock offset: -1.075 ms
Remote clock offset: -7.422 ms

Below is generated by plot.py at 2018-06-18 11:55:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 30.054 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 30.054 ms
Loss rate: 4.98%

Run 1: Report of FillP — Data Link

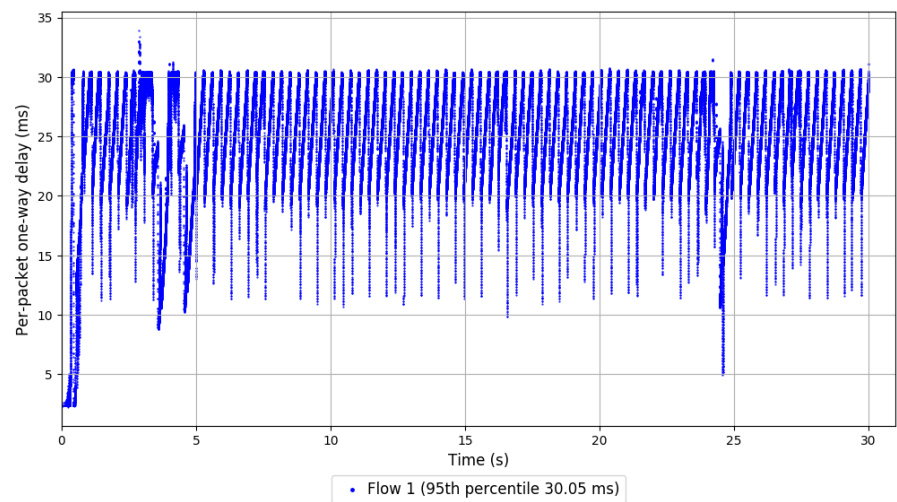
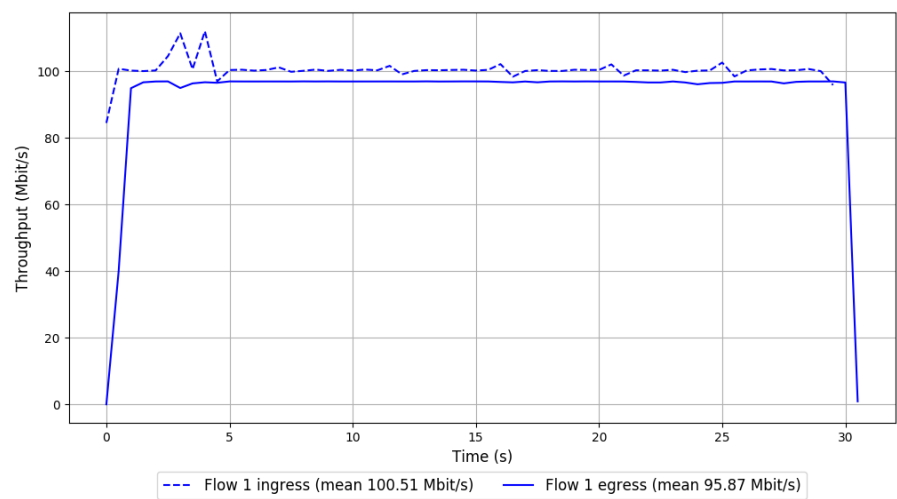


Run 2: Statistics of FillP

Start at: 2018-06-18 09:17:30
End at: 2018-06-18 09:18:00
Local clock offset: 0.354 ms
Remote clock offset: -7.078 ms

Below is generated by plot.py at 2018-06-18 11:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 30.052 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 30.052 ms
Loss rate: 4.53%

Run 2: Report of FillP — Data Link

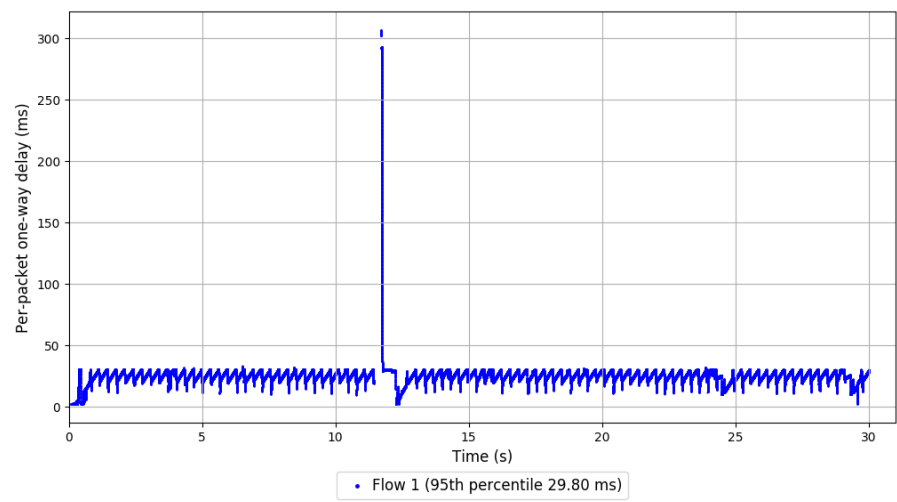
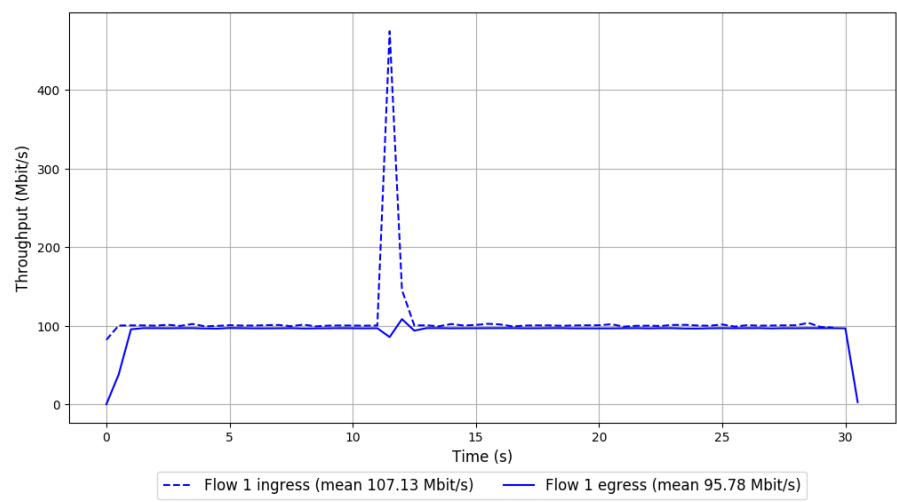


Run 3: Statistics of FillP

Start at: 2018-06-18 09:35:25
End at: 2018-06-18 09:35:55
Local clock offset: 1.042 ms
Remote clock offset: -6.777 ms

Below is generated by plot.py at 2018-06-18 11:56:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 29.804 ms
Loss rate: 10.51%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 29.804 ms
Loss rate: 10.51%

Run 3: Report of FillP — Data Link

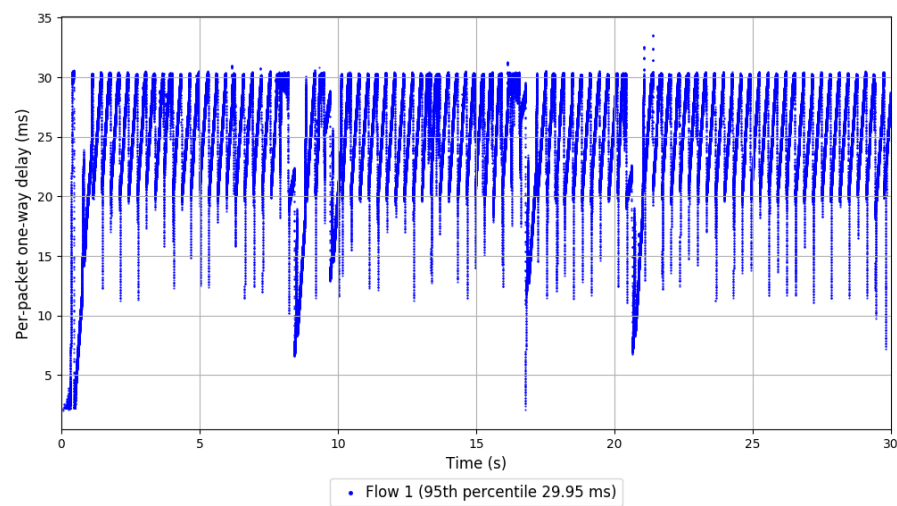
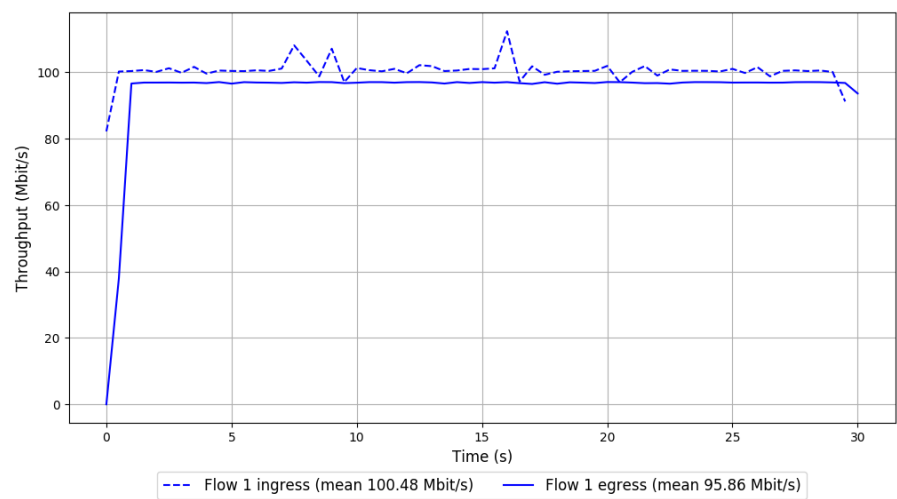


Run 4: Statistics of FillP

Start at: 2018-06-18 09:53:21
End at: 2018-06-18 09:53:51
Local clock offset: -2.622 ms
Remote clock offset: -6.629 ms

Below is generated by plot.py at 2018-06-18 11:56:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 29.949 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 29.949 ms
Loss rate: 4.52%

Run 4: Report of FillP — Data Link

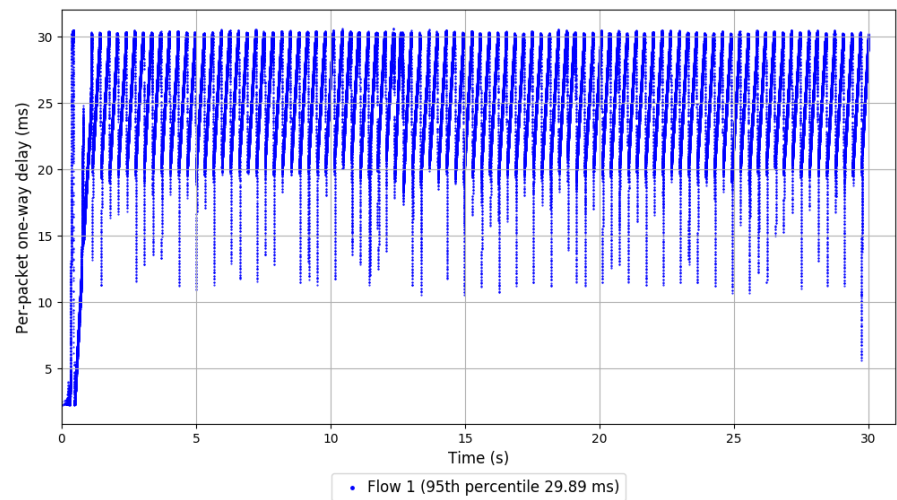
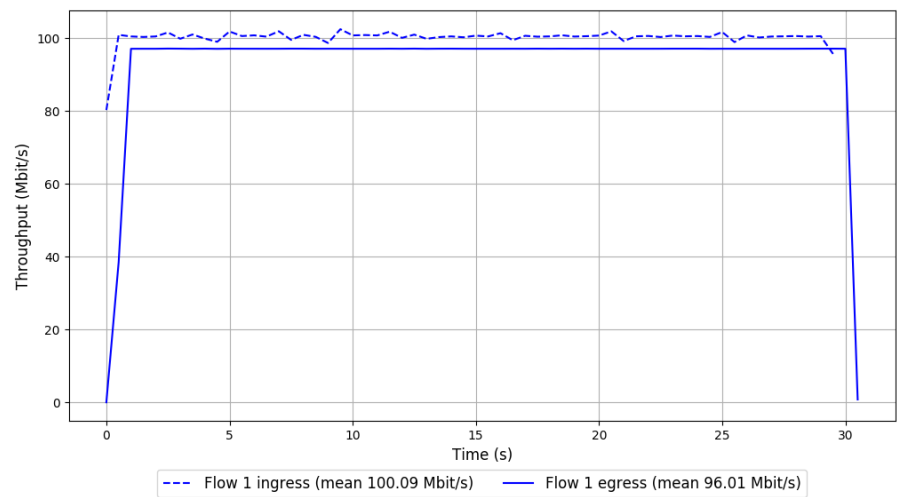


Run 5: Statistics of FillP

Start at: 2018-06-18 10:11:16
End at: 2018-06-18 10:11:46
Local clock offset: -3.024 ms
Remote clock offset: -4.181 ms

Below is generated by plot.py at 2018-06-18 11:56:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.887 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.887 ms
Loss rate: 3.99%

Run 5: Report of FillP — Data Link

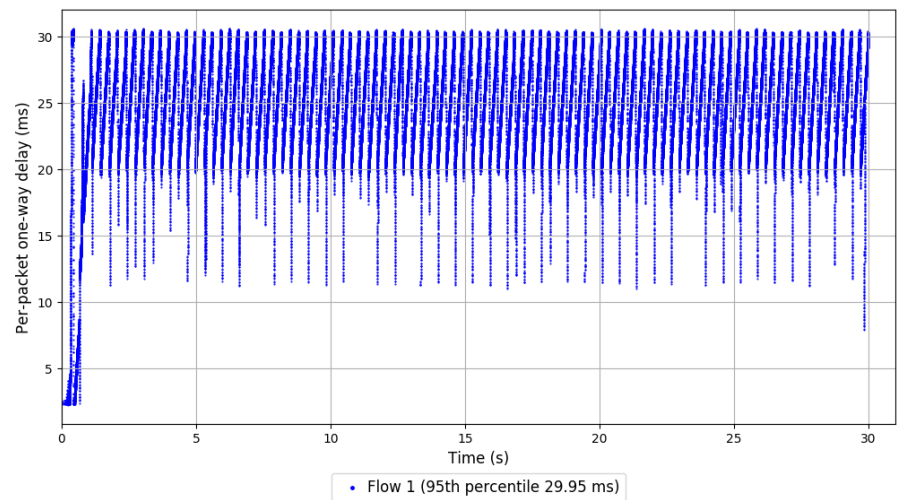
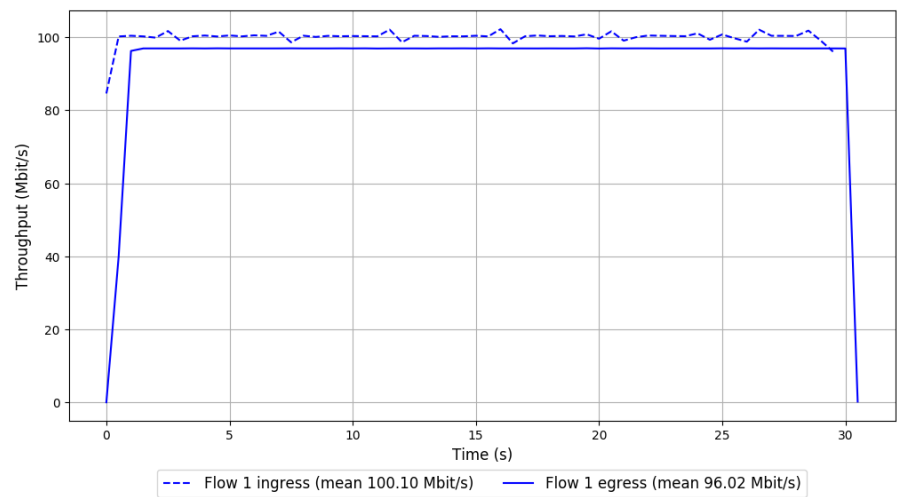


Run 6: Statistics of FillP

Start at: 2018-06-18 10:29:12
End at: 2018-06-18 10:29:42
Local clock offset: -3.092 ms
Remote clock offset: -2.804 ms

Below is generated by plot.py at 2018-06-18 11:56:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 29.951 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 29.951 ms
Loss rate: 3.99%

Run 6: Report of FillP — Data Link

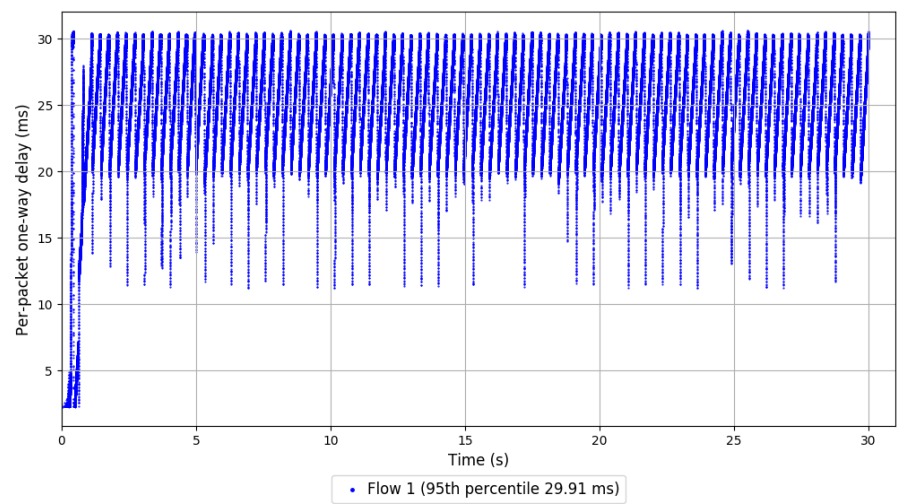
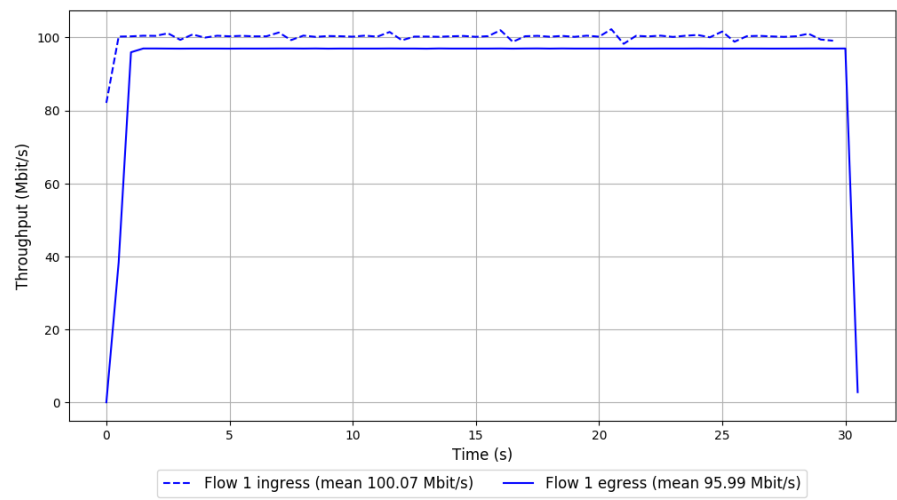


Run 7: Statistics of FillP

Start at: 2018-06-18 10:47:08
End at: 2018-06-18 10:47:38
Local clock offset: -2.368 ms
Remote clock offset: -2.319 ms

Below is generated by plot.py at 2018-06-18 11:56:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.905 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.905 ms
Loss rate: 3.99%

Run 7: Report of FillP — Data Link

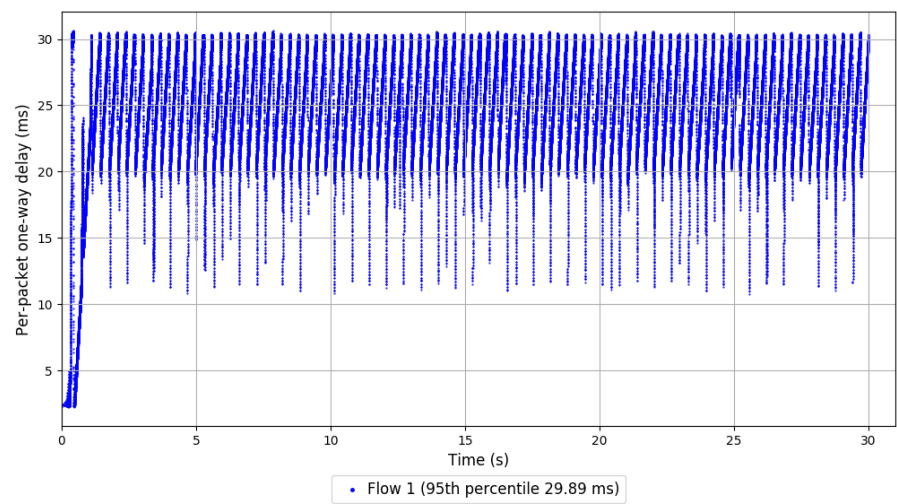
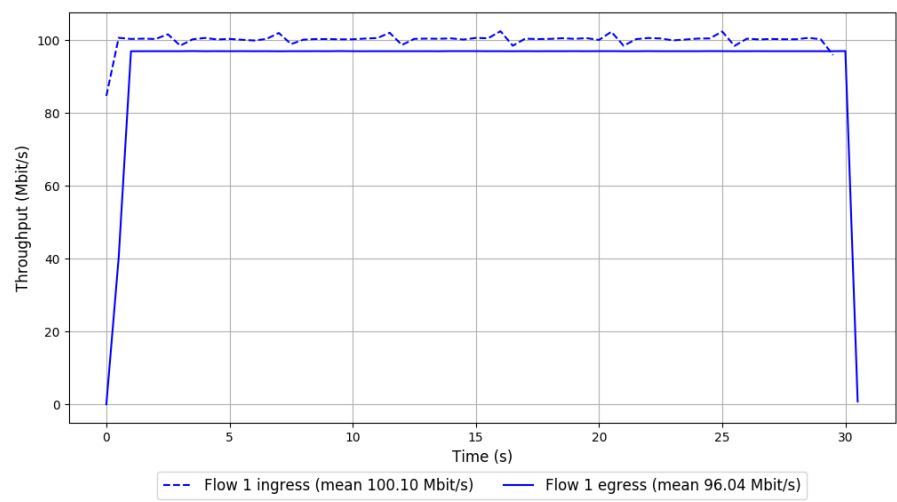


Run 8: Statistics of FillP

Start at: 2018-06-18 11:05:08
End at: 2018-06-18 11:05:38
Local clock offset: -2.255 ms
Remote clock offset: -1.634 ms

Below is generated by plot.py at 2018-06-18 11:56:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 29.891 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 29.891 ms
Loss rate: 3.97%

Run 8: Report of FillP — Data Link

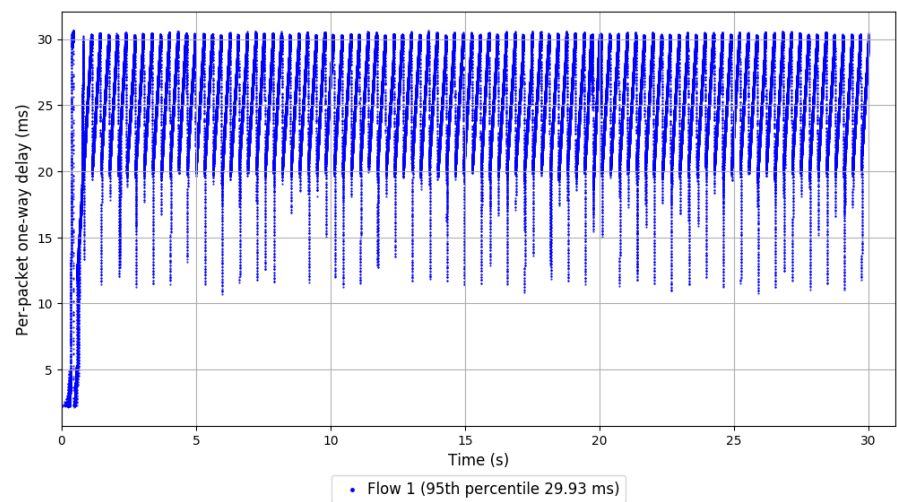
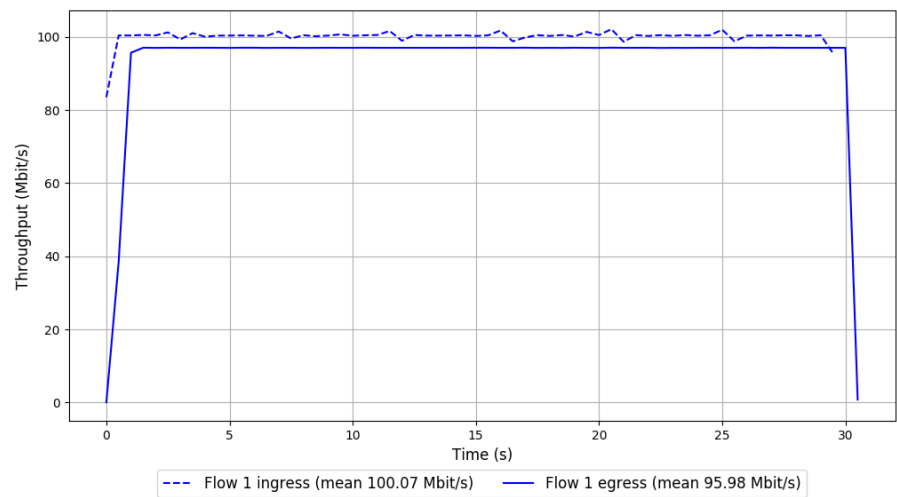


Run 9: Statistics of FillP

Start at: 2018-06-18 11:23:04
End at: 2018-06-18 11:23:34
Local clock offset: -2.829 ms
Remote clock offset: -3.206 ms

Below is generated by plot.py at 2018-06-18 11:57:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.926 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.926 ms
Loss rate: 4.00%

Run 9: Report of FillP — Data Link

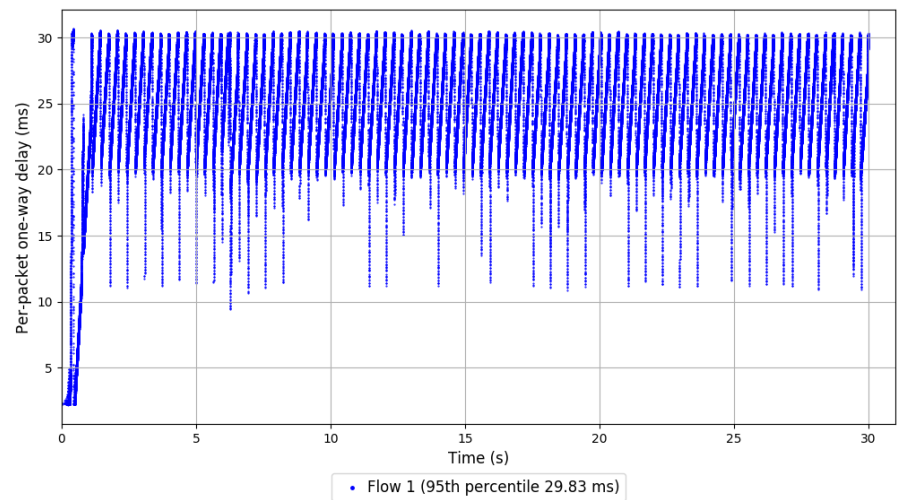
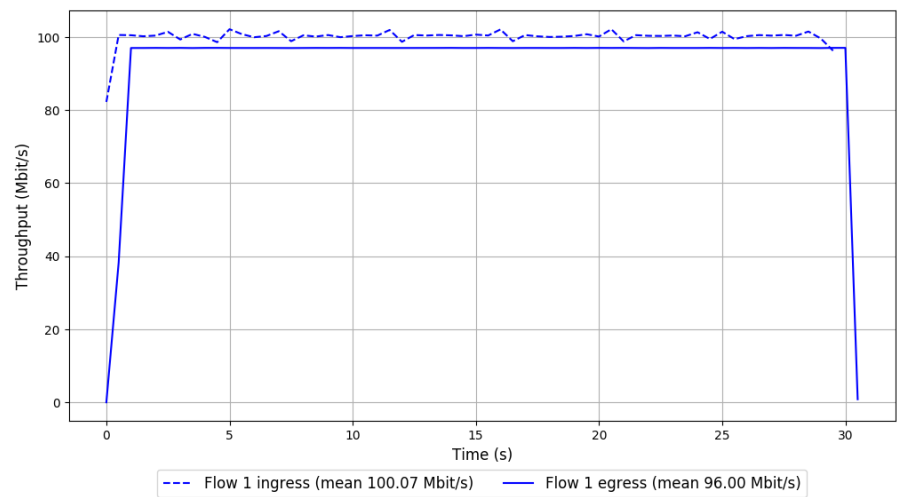


Run 10: Statistics of FillP

Start at: 2018-06-18 11:41:00
End at: 2018-06-18 11:41:30
Local clock offset: -5.494 ms
Remote clock offset: -3.243 ms

Below is generated by plot.py at 2018-06-18 11:57:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.828 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.828 ms
Loss rate: 3.97%

Run 10: Report of FillP — Data Link

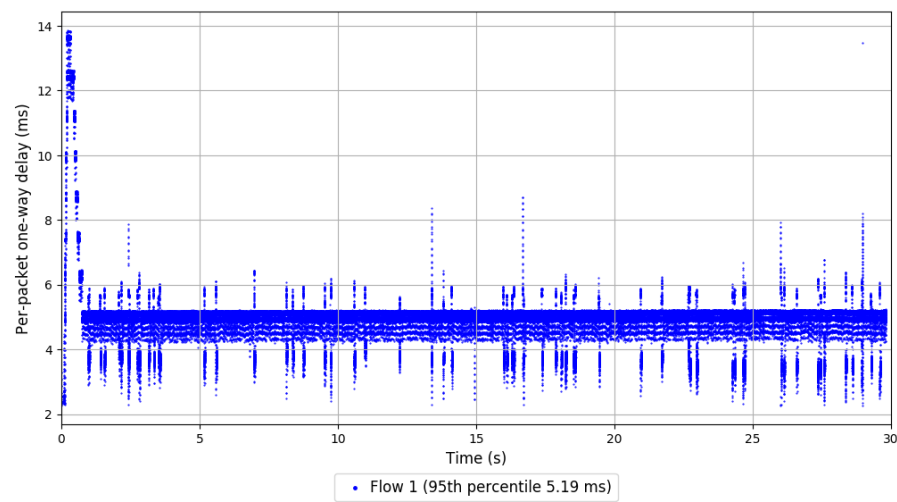
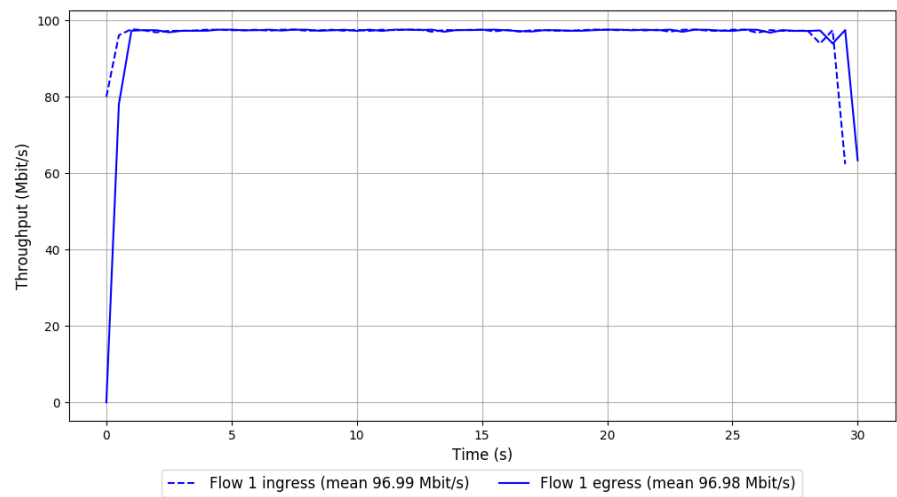


Run 1: Statistics of Indigo

Start at: 2018-06-18 09:04:06
End at: 2018-06-18 09:04:36
Local clock offset: -0.706 ms
Remote clock offset: -7.316 ms

Below is generated by plot.py at 2018-06-18 11:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 5.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 5.186 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

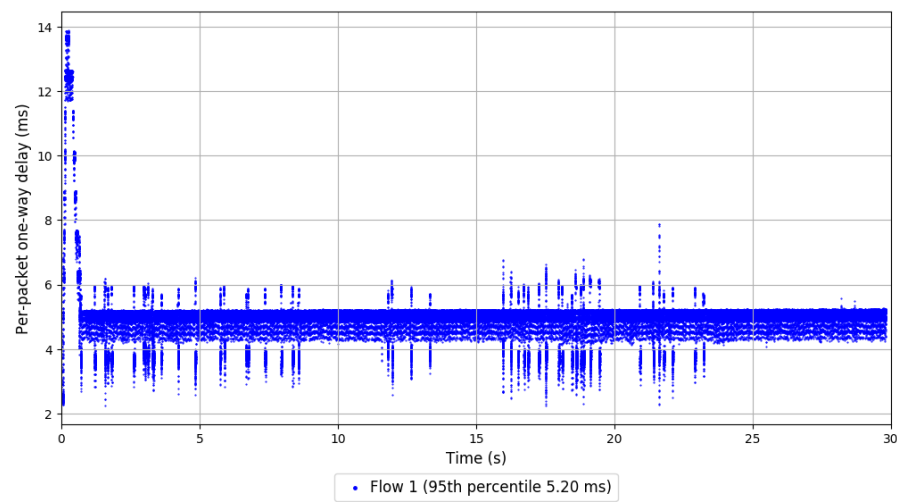
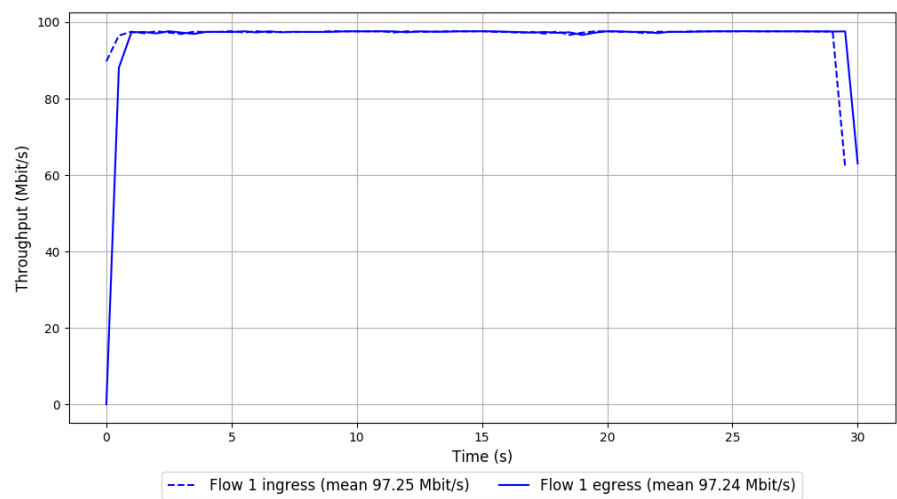


Run 2: Statistics of Indigo

Start at: 2018-06-18 09:22:01
End at: 2018-06-18 09:22:31
Local clock offset: 0.685 ms
Remote clock offset: -7.102 ms

Below is generated by plot.py at 2018-06-18 11:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 5.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 5.200 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

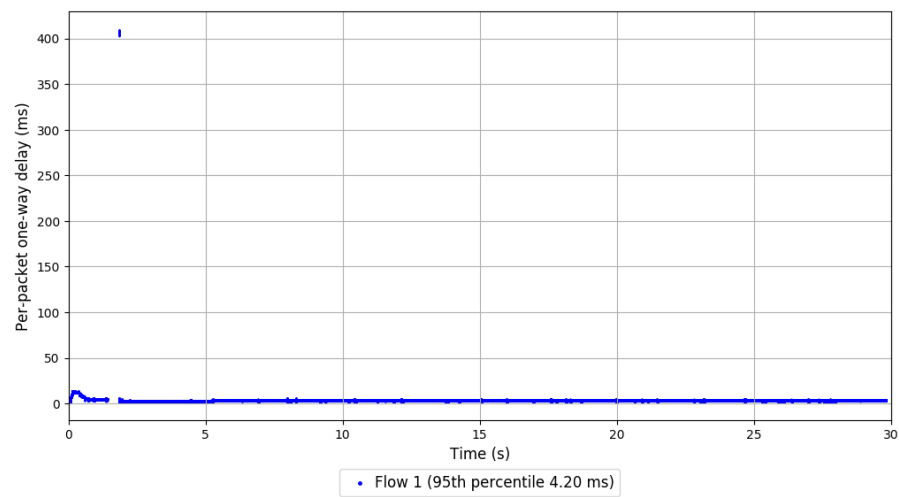
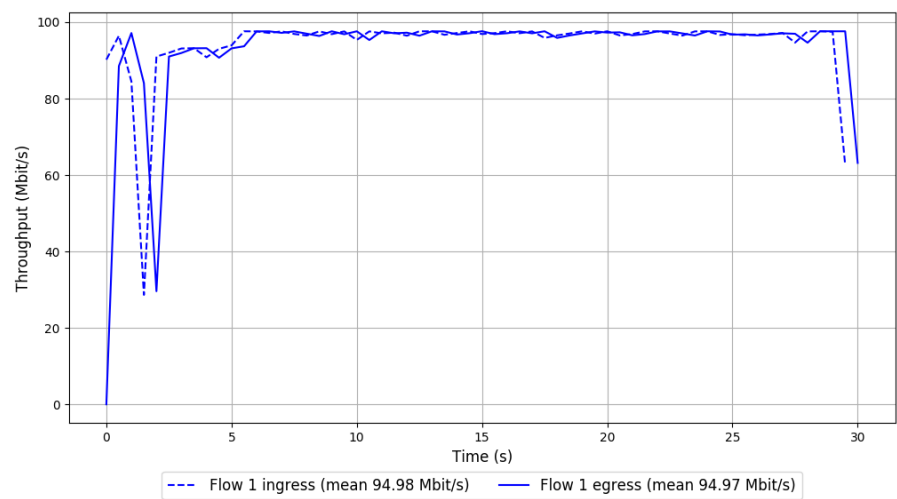


Run 3: Statistics of Indigo

Start at: 2018-06-18 09:39:56
End at: 2018-06-18 09:40:26
Local clock offset: -0.603 ms
Remote clock offset: -6.705 ms

Below is generated by plot.py at 2018-06-18 11:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 4.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 4.201 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

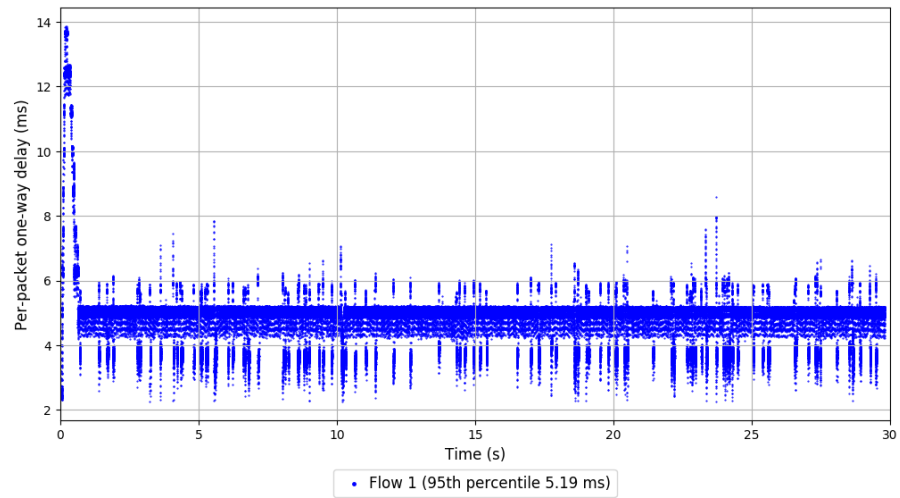
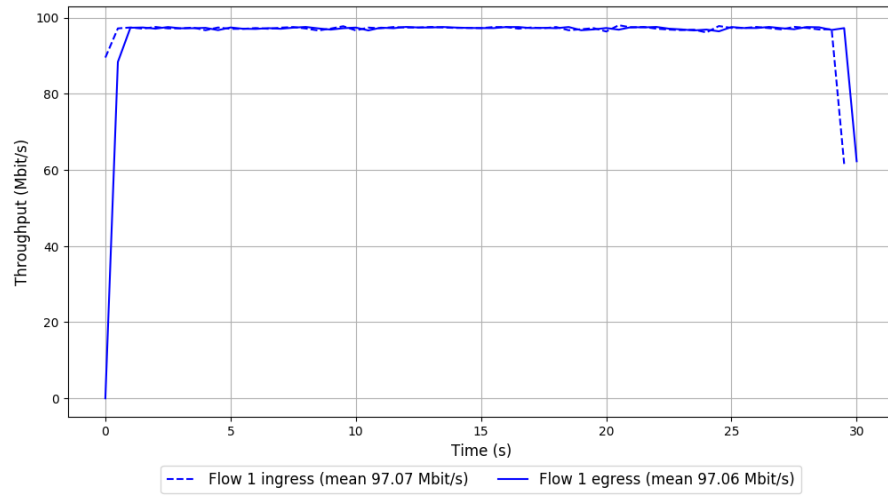


Run 4: Statistics of Indigo

Start at: 2018-06-18 09:57:52
End at: 2018-06-18 09:58:22
Local clock offset: -2.947 ms
Remote clock offset: -6.582 ms

Below is generated by plot.py at 2018-06-18 11:57:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 5.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 5.191 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

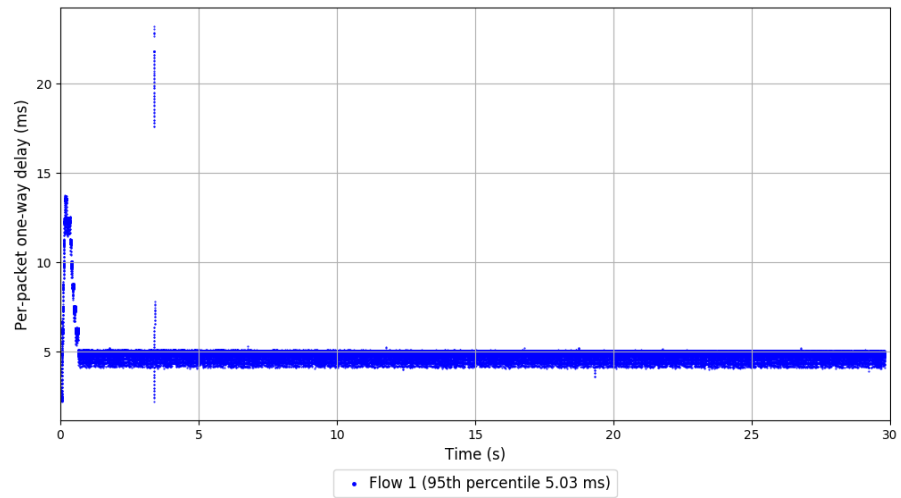
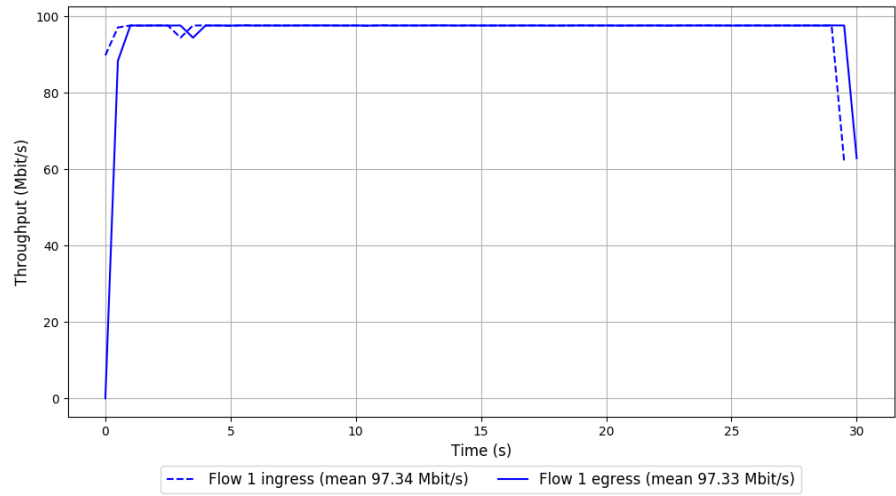


Run 5: Statistics of Indigo

Start at: 2018-06-18 10:15:47
End at: 2018-06-18 10:16:17
Local clock offset: -3.028 ms
Remote clock offset: -3.779 ms

Below is generated by plot.py at 2018-06-18 11:57:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.028 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

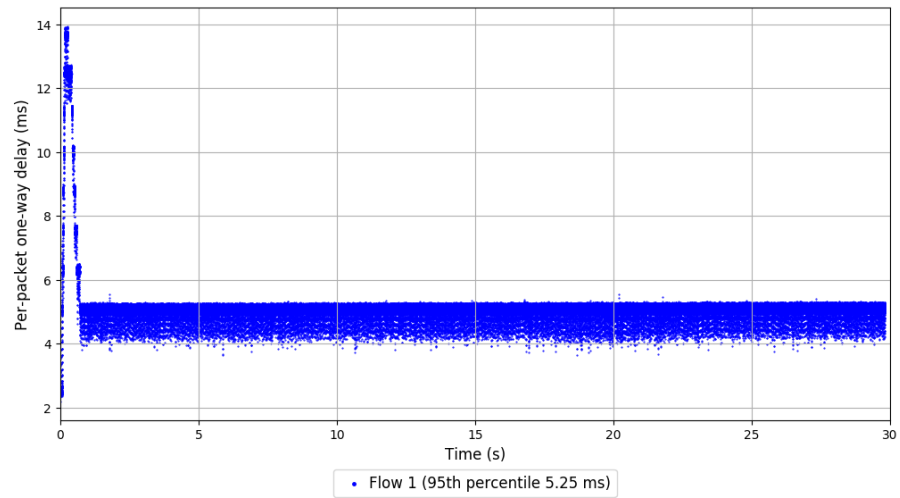
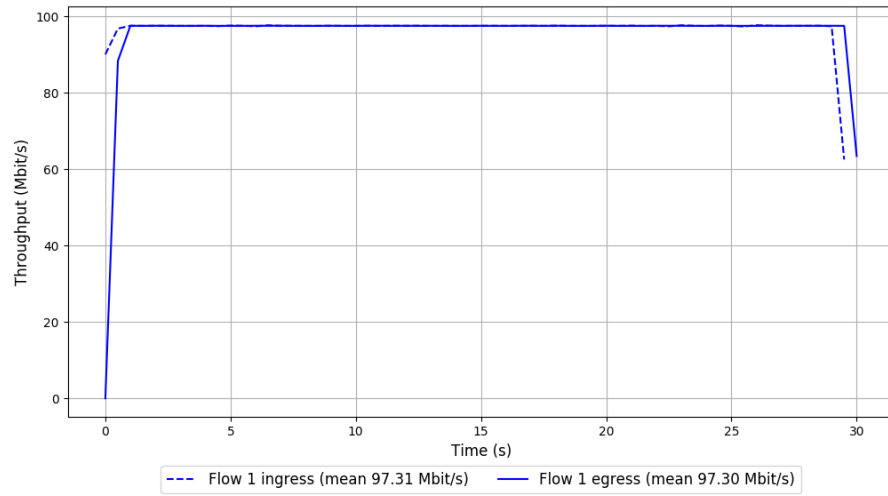


Run 6: Statistics of Indigo

Start at: 2018-06-18 10:33:43
End at: 2018-06-18 10:34:13
Local clock offset: -3.161 ms
Remote clock offset: -2.561 ms

Below is generated by plot.py at 2018-06-18 11:57:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 5.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 5.252 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-18 10:51:44

End at: 2018-06-18 10:52:14

Local clock offset: -2.317 ms

Remote clock offset: -2.12 ms

Below is generated by plot.py at 2018-06-18 11:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.187 ms

Loss rate: 0.00%

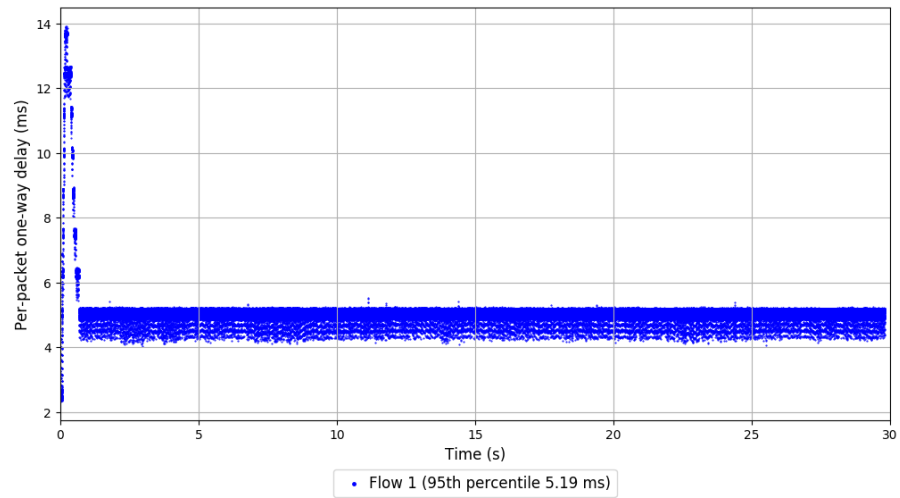
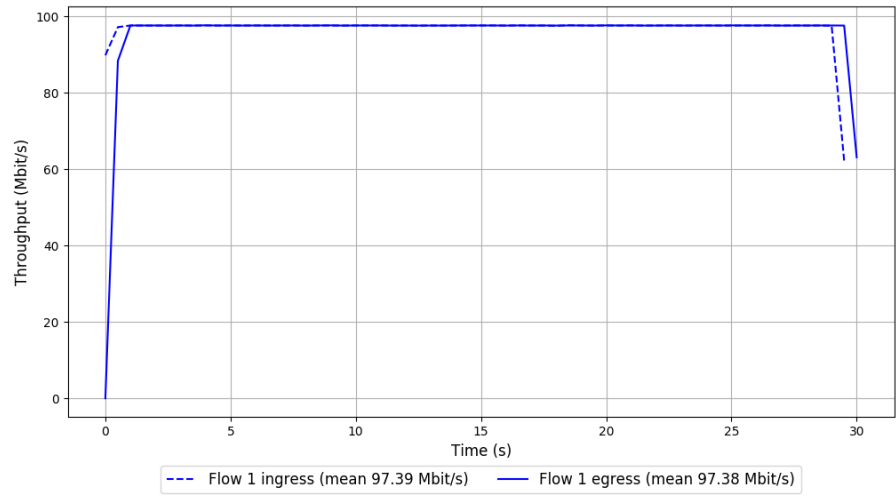
-- Flow 1:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.187 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

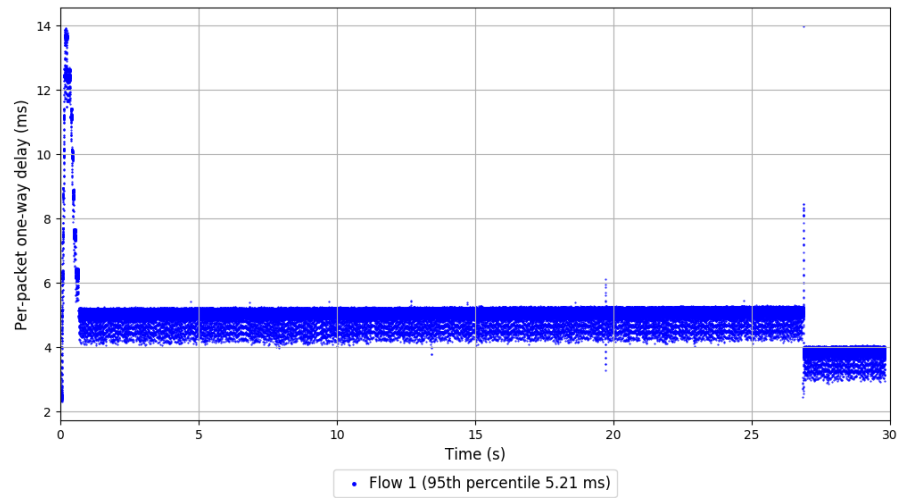
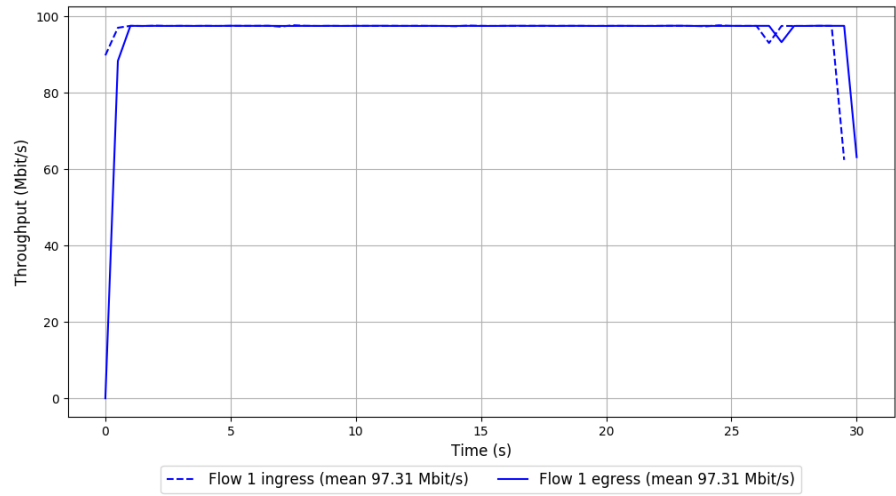


Run 8: Statistics of Indigo

Start at: 2018-06-18 11:09:39
End at: 2018-06-18 11:10:09
Local clock offset: -2.468 ms
Remote clock offset: -1.874 ms

Below is generated by plot.py at 2018-06-18 11:58:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.209 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

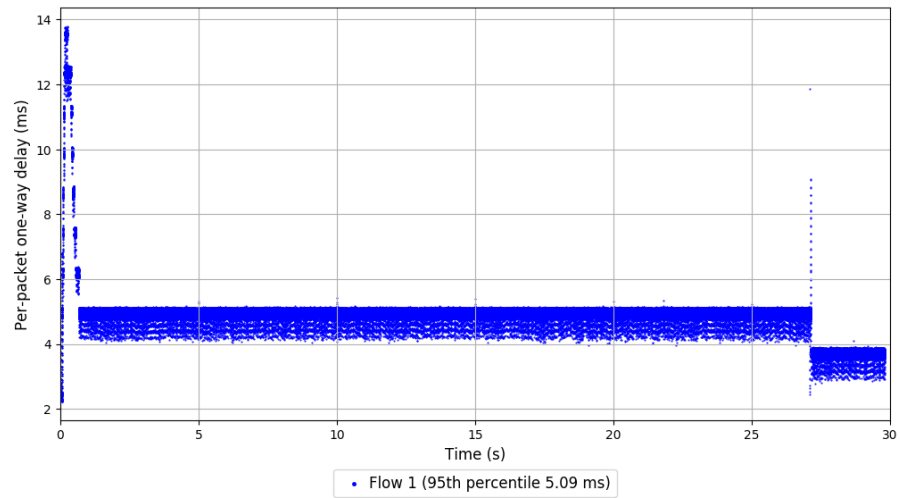
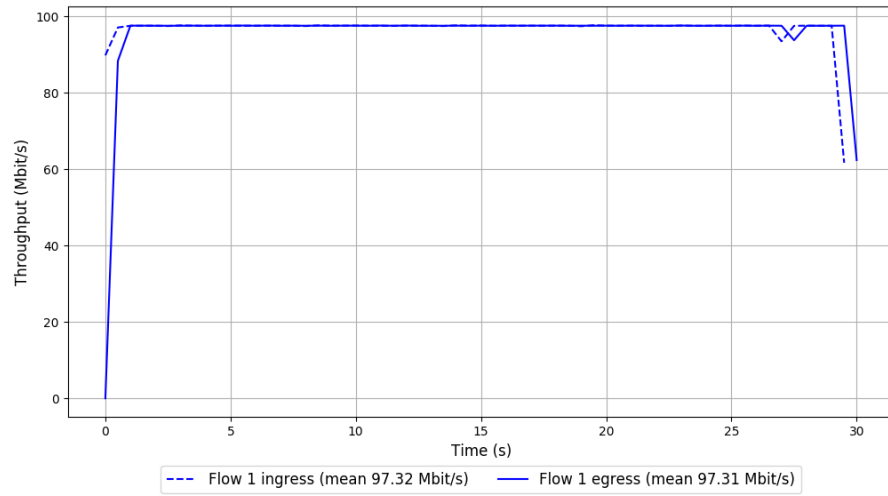


Run 9: Statistics of Indigo

Start at: 2018-06-18 11:27:35
End at: 2018-06-18 11:28:05
Local clock offset: -2.878 ms
Remote clock offset: -3.298 ms

Below is generated by plot.py at 2018-06-18 11:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.093 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

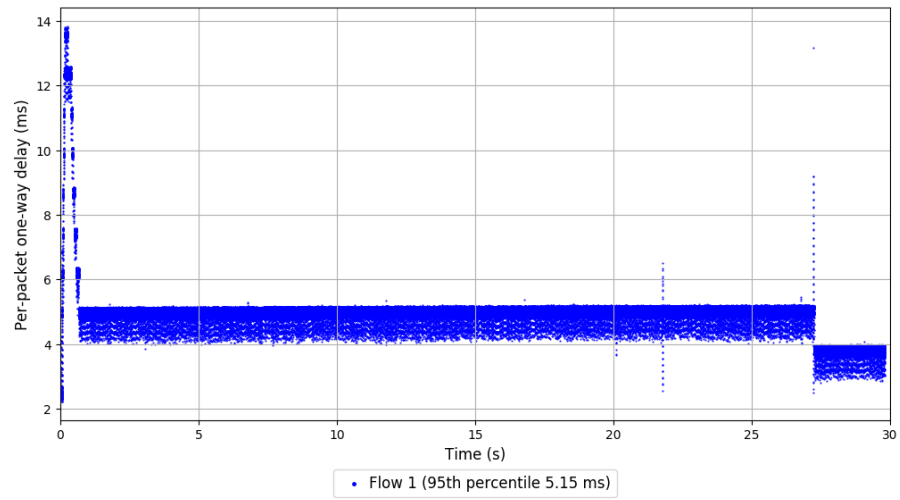
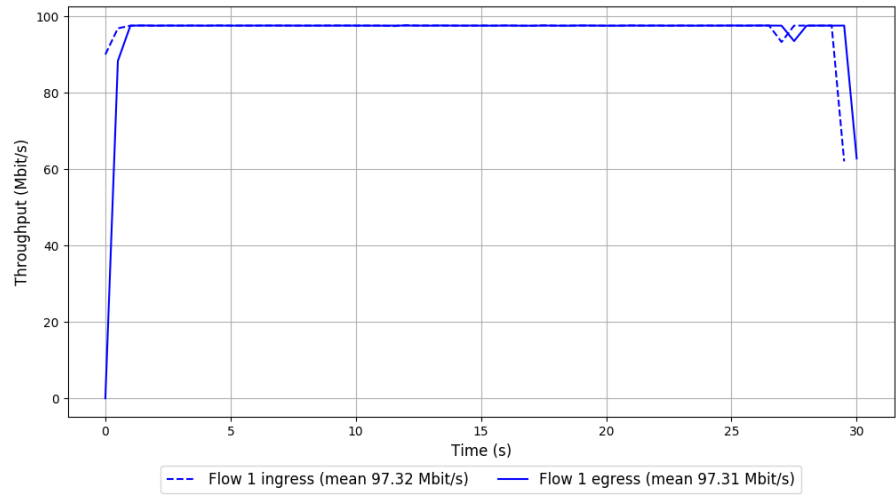


Run 10: Statistics of Indigo

Start at: 2018-06-18 11:45:30
End at: 2018-06-18 11:46:00
Local clock offset: -6.528 ms
Remote clock offset: -4.762 ms

Below is generated by plot.py at 2018-06-18 11:58:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.147 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

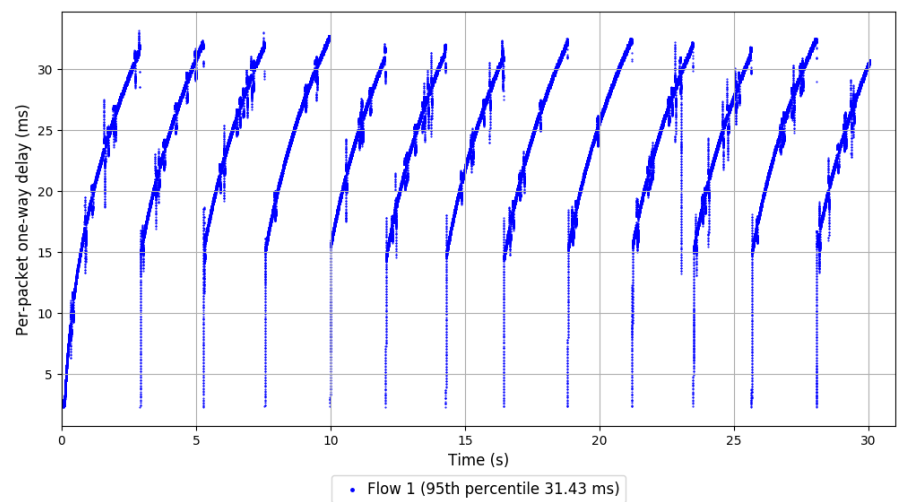
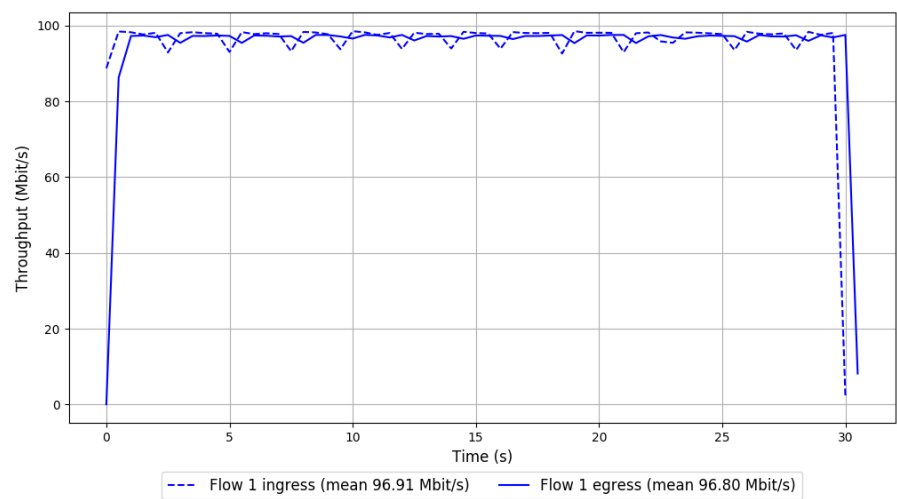


Run 1: Statistics of LEDBAT

Start at: 2018-06-18 08:53:59
End at: 2018-06-18 08:54:29
Local clock offset: -1.57 ms
Remote clock offset: -7.814 ms

Below is generated by plot.py at 2018-06-18 11:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 31.434 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 31.434 ms
Loss rate: 0.02%

Run 1: Report of LEDBAT — Data Link

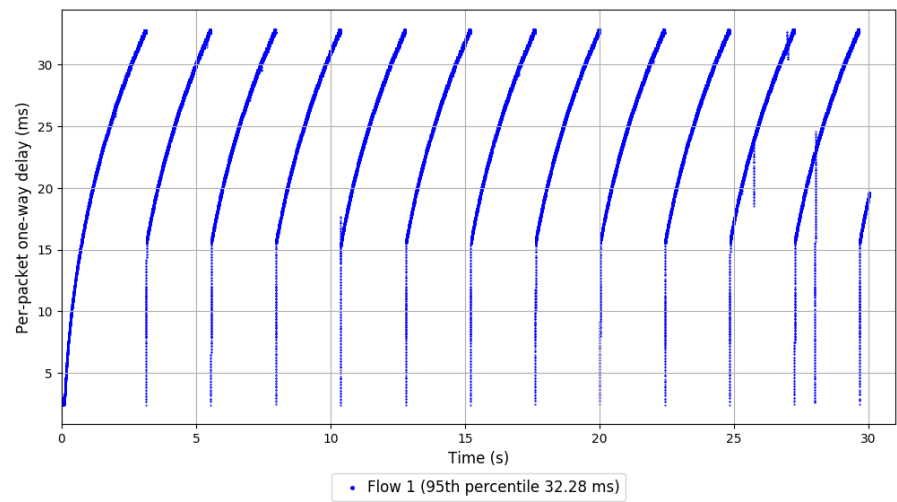
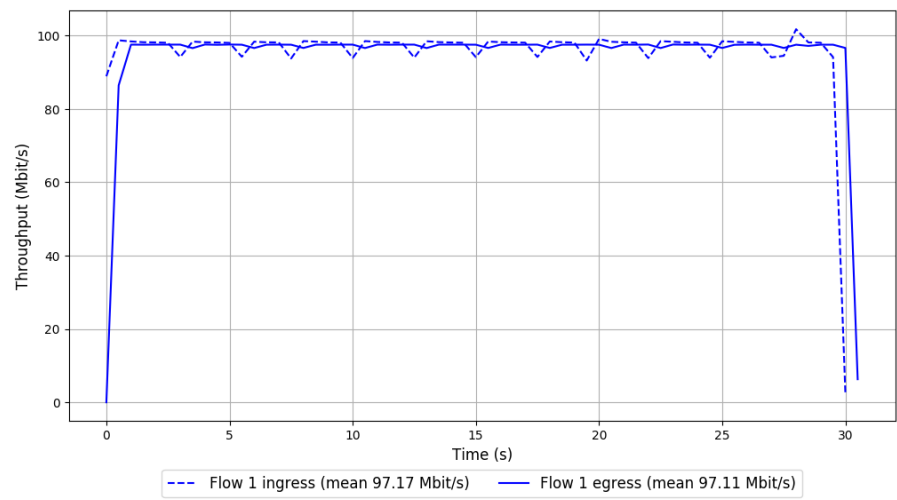


Run 2: Statistics of LEDBAT

Start at: 2018-06-18 09:11:53
End at: 2018-06-18 09:12:23
Local clock offset: -0.149 ms
Remote clock offset: -7.114 ms

Below is generated by plot.py at 2018-06-18 11:58:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.276 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.276 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

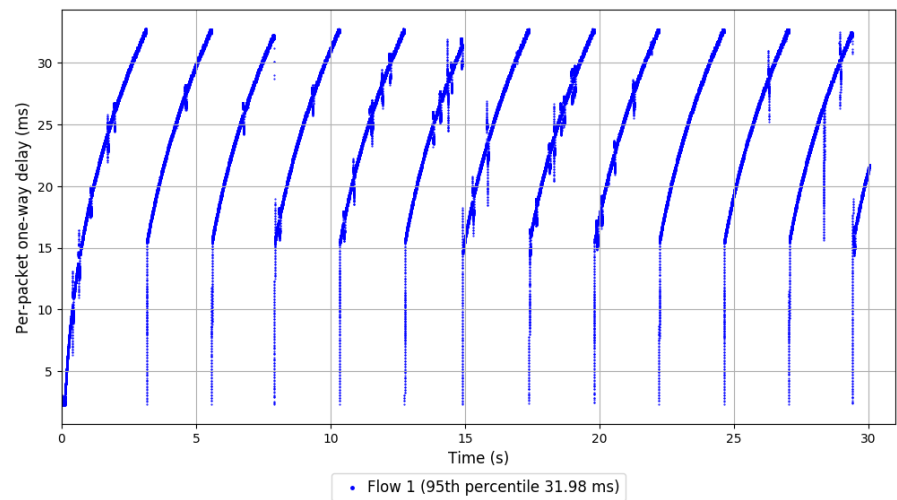
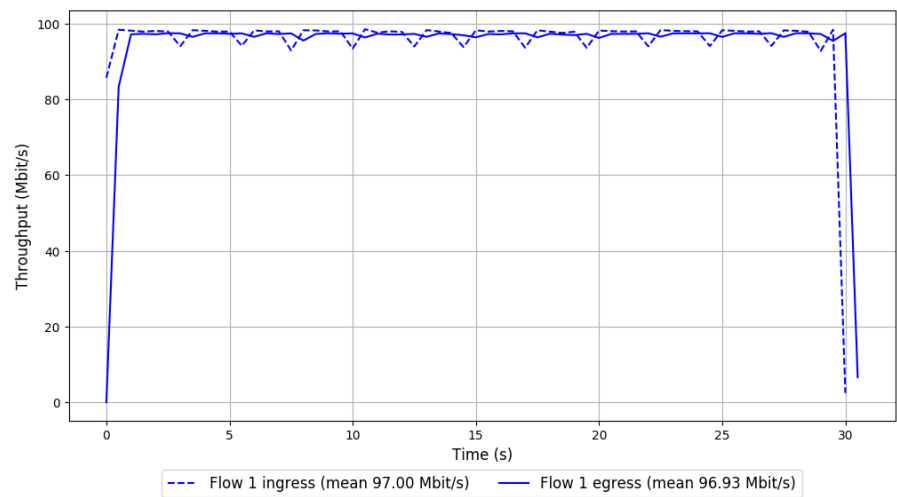


Run 3: Statistics of LEDBAT

Start at: 2018-06-18 09:29:48
End at: 2018-06-18 09:30:19
Local clock offset: 1.238 ms
Remote clock offset: -6.957 ms

Below is generated by plot.py at 2018-06-18 11:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.976 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.976 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

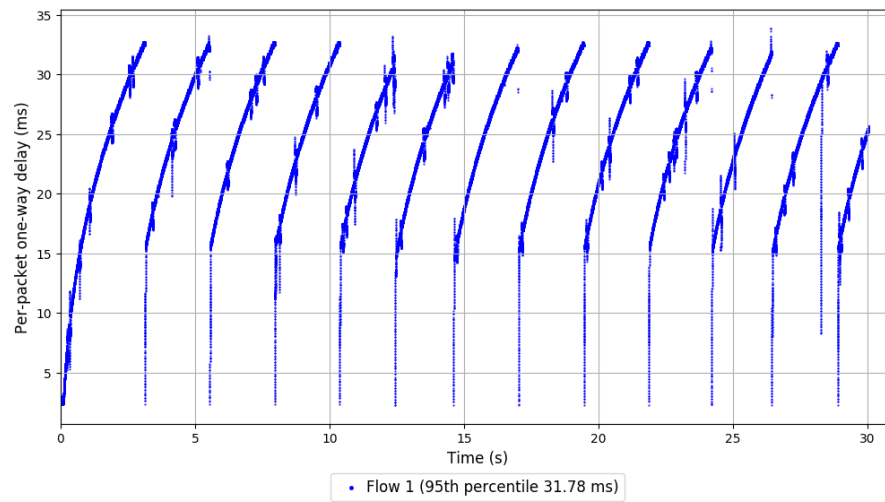
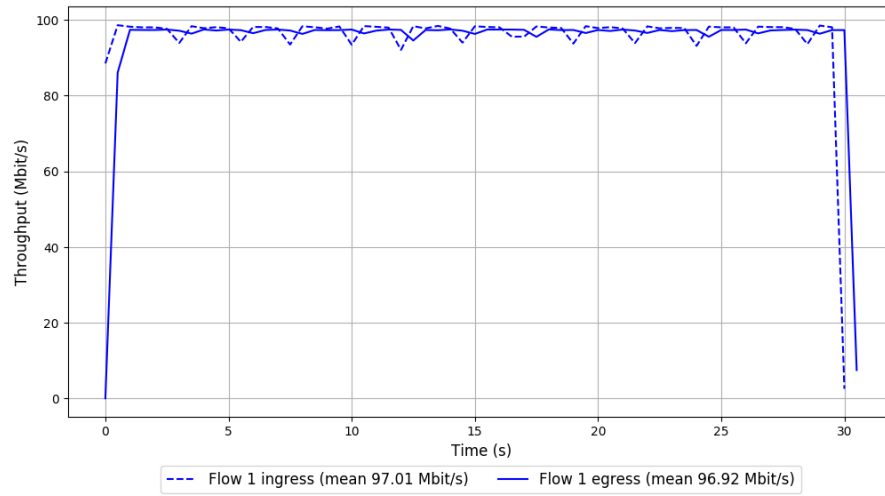


Run 4: Statistics of LEDBAT

Start at: 2018-06-18 09:47:44
End at: 2018-06-18 09:48:14
Local clock offset: -2.192 ms
Remote clock offset: -6.604 ms

Below is generated by plot.py at 2018-06-18 11:58:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 31.783 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 31.783 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

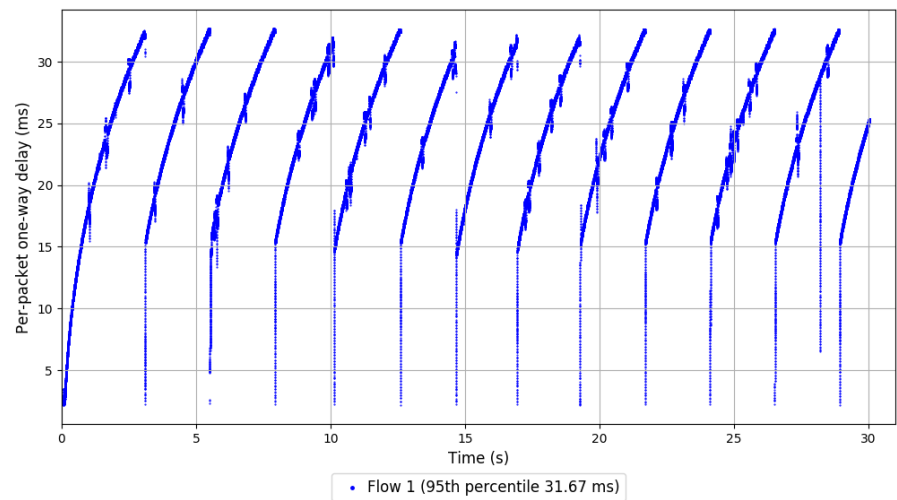
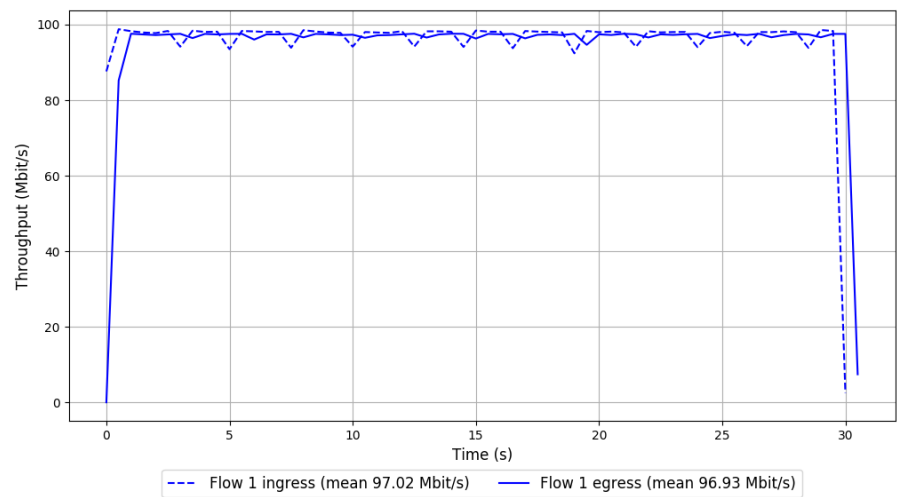


Run 5: Statistics of LEDBAT

Start at: 2018-06-18 10:05:40
End at: 2018-06-18 10:06:10
Local clock offset: -3.073 ms
Remote clock offset: -5.002 ms

Below is generated by plot.py at 2018-06-18 11:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.668 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.668 ms
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-18 10:23:35

End at: 2018-06-18 10:24:05

Local clock offset: -3.133 ms

Remote clock offset: -3.11 ms

Below is generated by plot.py at 2018-06-18 11:59:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 31.984 ms

Loss rate: 0.01%

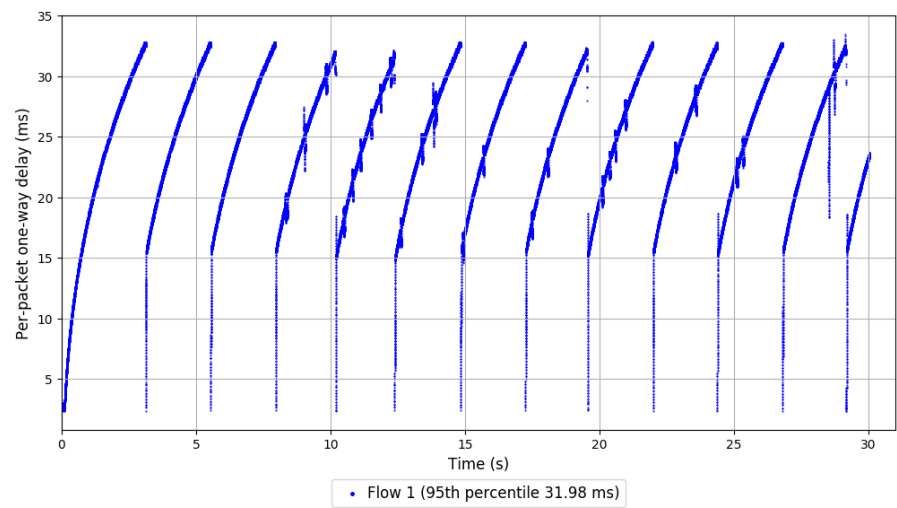
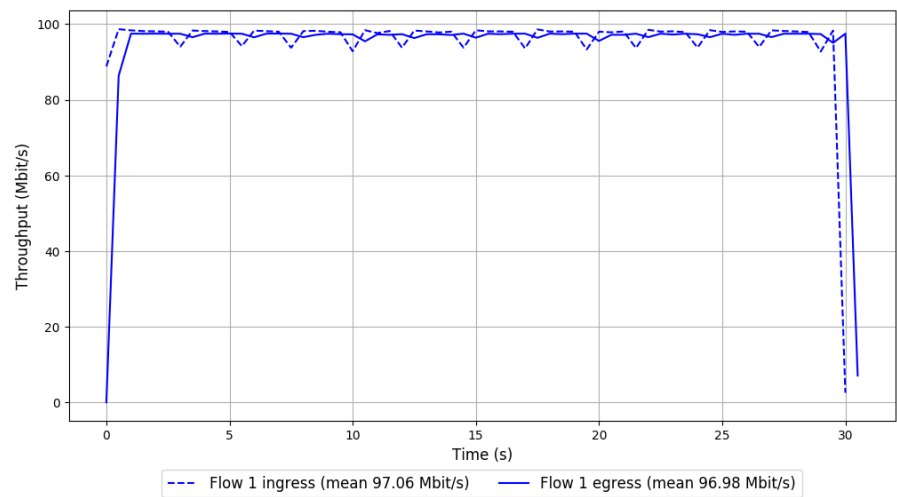
-- Flow 1:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 31.984 ms

Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

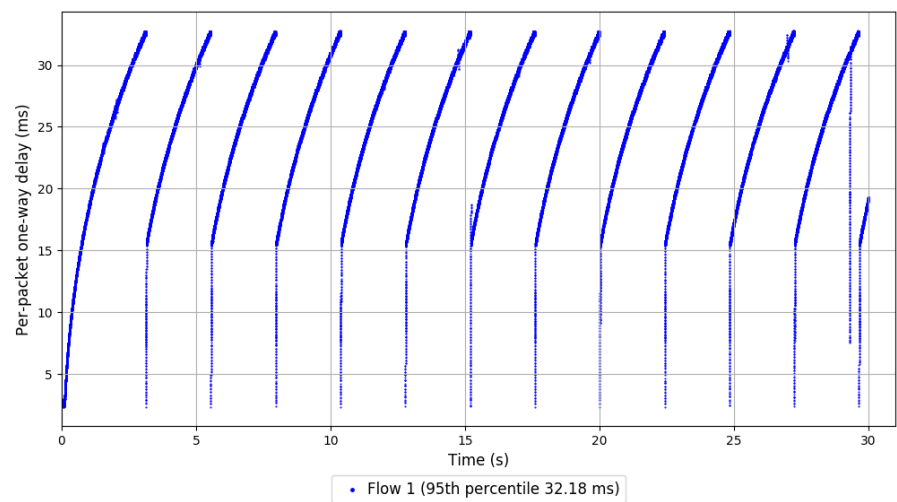
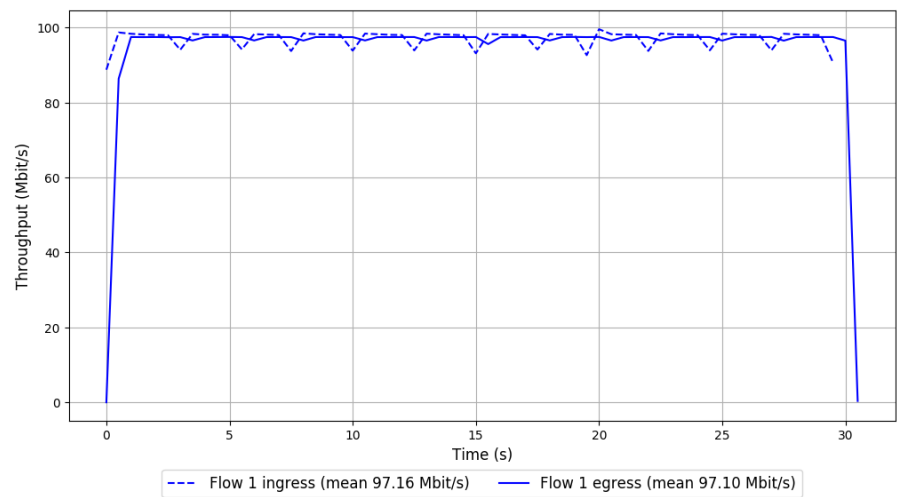


Run 7: Statistics of LEDBAT

Start at: 2018-06-18 10:41:31
End at: 2018-06-18 10:42:01
Local clock offset: -2.569 ms
Remote clock offset: -2.422 ms

Below is generated by plot.py at 2018-06-18 11:59:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

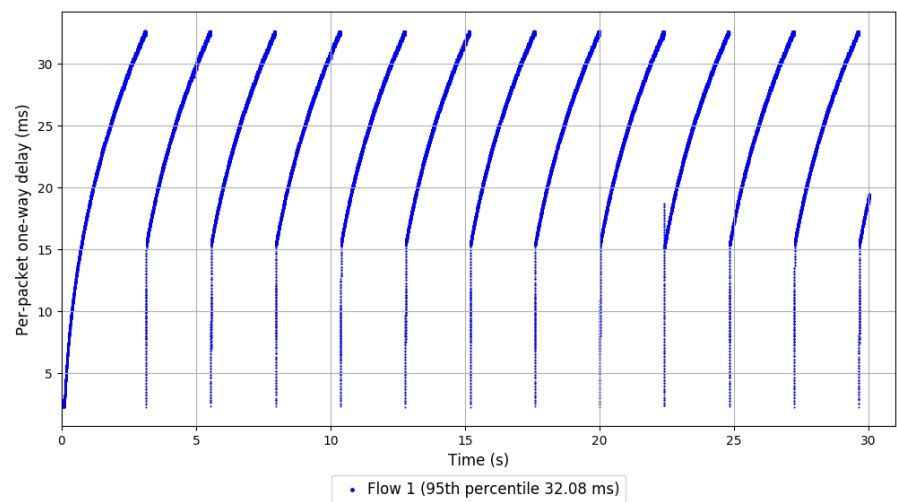
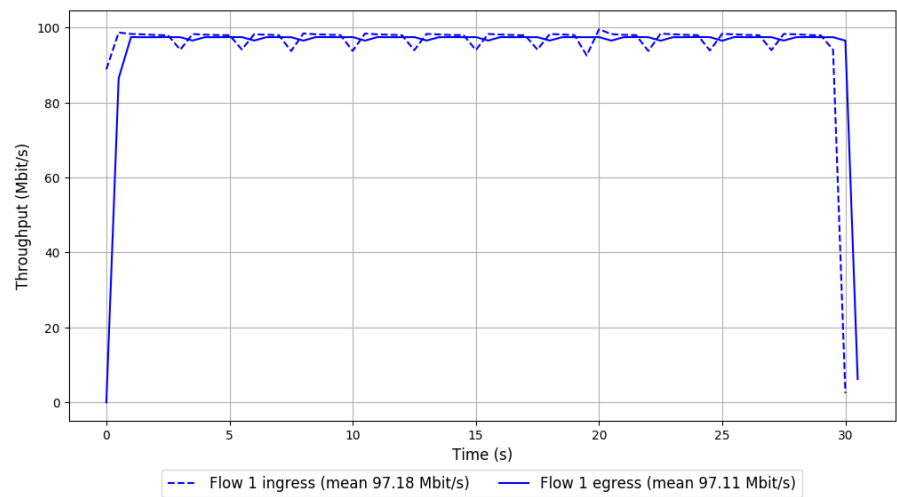


Run 8: Statistics of LEDBAT

Start at: 2018-06-18 10:59:31
End at: 2018-06-18 11:00:01
Local clock offset: -2.146 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2018-06-18 11:59:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.075 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.075 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

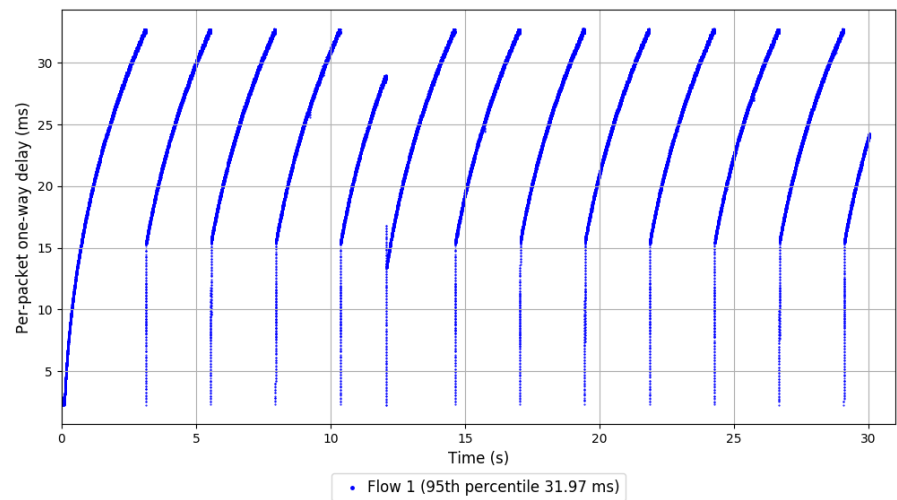
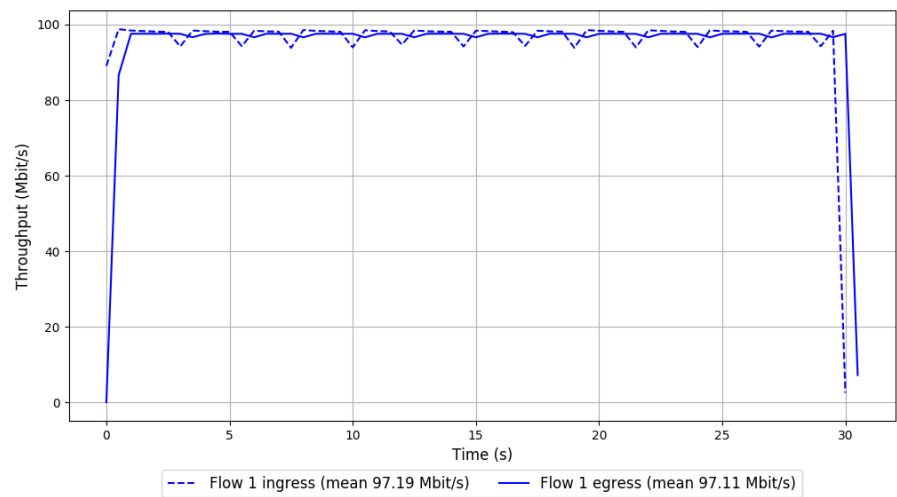


Run 9: Statistics of LEDBAT

Start at: 2018-06-18 11:17:27
End at: 2018-06-18 11:17:57
Local clock offset: -2.741 ms
Remote clock offset: -2.903 ms

Below is generated by plot.py at 2018-06-18 11:59:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.974 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.974 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

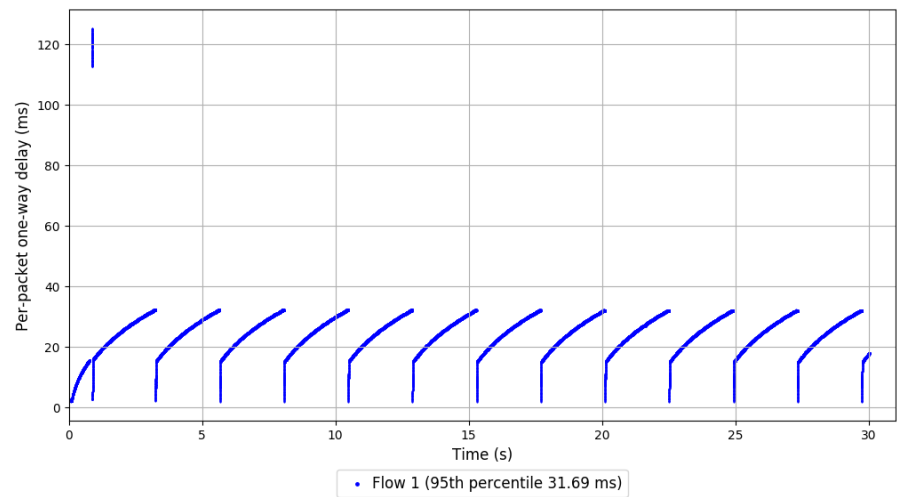
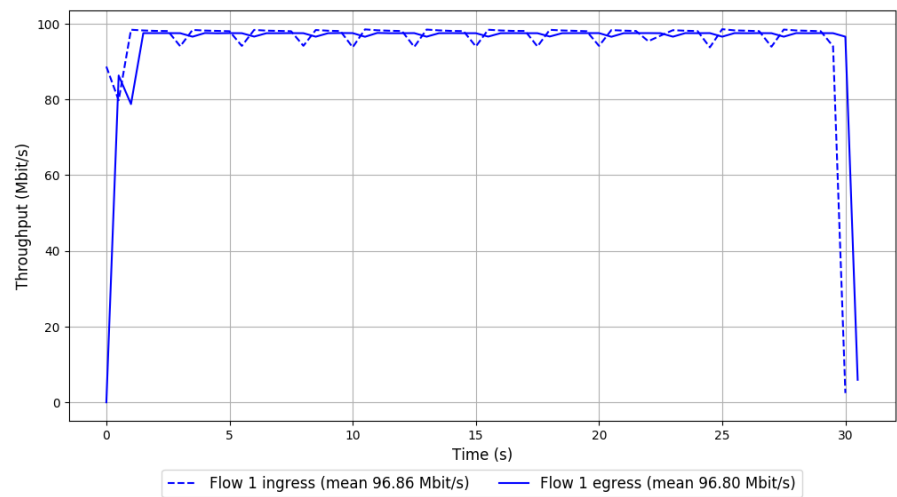


Run 10: Statistics of LEDBAT

Start at: 2018-06-18 11:35:23
End at: 2018-06-18 11:35:53
Local clock offset: -3.464 ms
Remote clock offset: -3.342 ms

Below is generated by plot.py at 2018-06-18 12:00:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 31.692 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 31.692 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-18 08:58:29

End at: 2018-06-18 08:58:59

Local clock offset: -1.236 ms

Remote clock offset: -7.453 ms

Below is generated by plot.py at 2018-06-18 12:00:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 7.781 ms

Loss rate: 0.04%

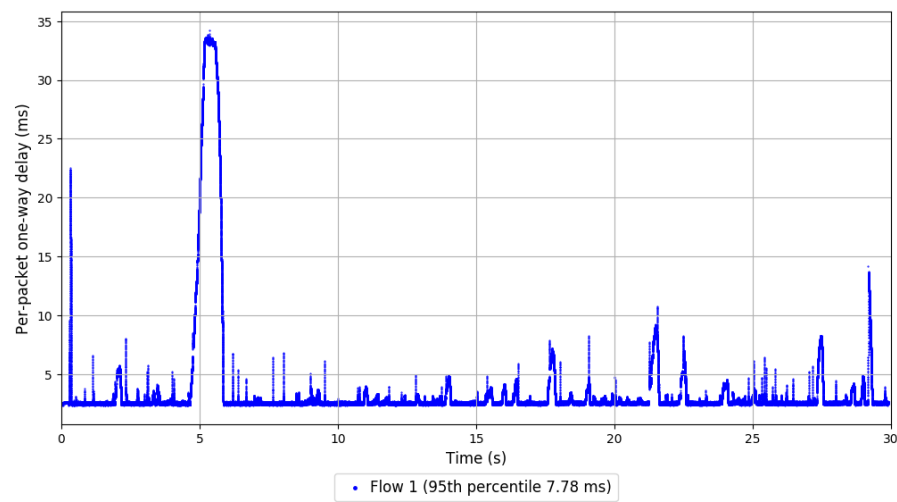
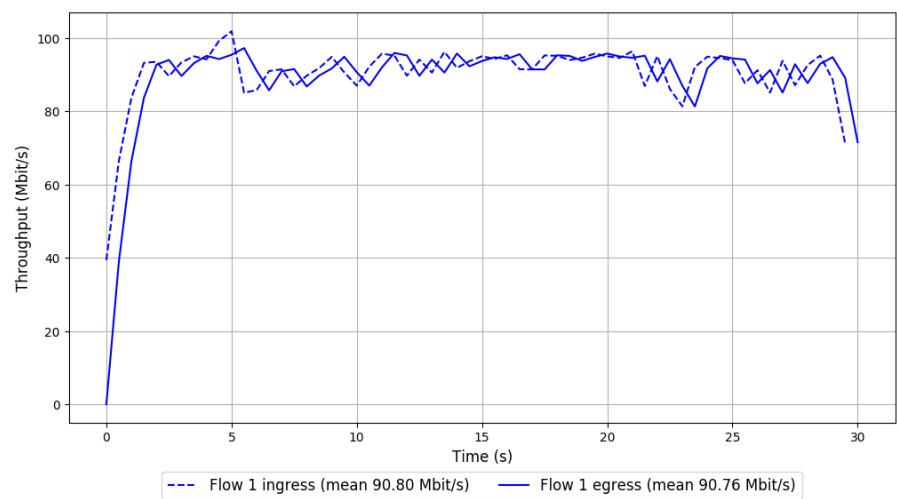
-- Flow 1:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 7.781 ms

Loss rate: 0.04%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-18 09:16:24

End at: 2018-06-18 09:16:54

Local clock offset: 0.188 ms

Remote clock offset: -7.192 ms

Below is generated by plot.py at 2018-06-18 12:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 3.942 ms

Loss rate: 0.00%

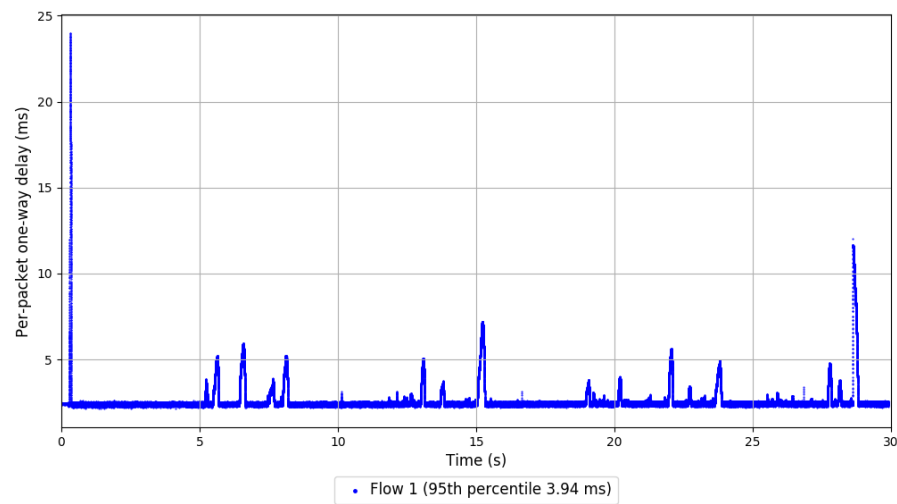
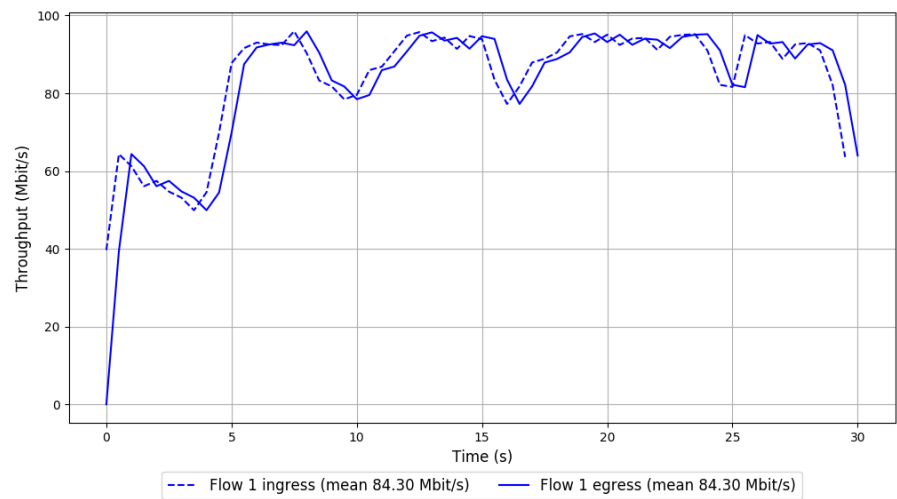
-- Flow 1:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 3.942 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-18 09:34:19

End at: 2018-06-18 09:34:49

Local clock offset: 1.494 ms

Remote clock offset: -6.812 ms

Below is generated by plot.py at 2018-06-18 12:01:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 4.346 ms

Loss rate: 0.00%

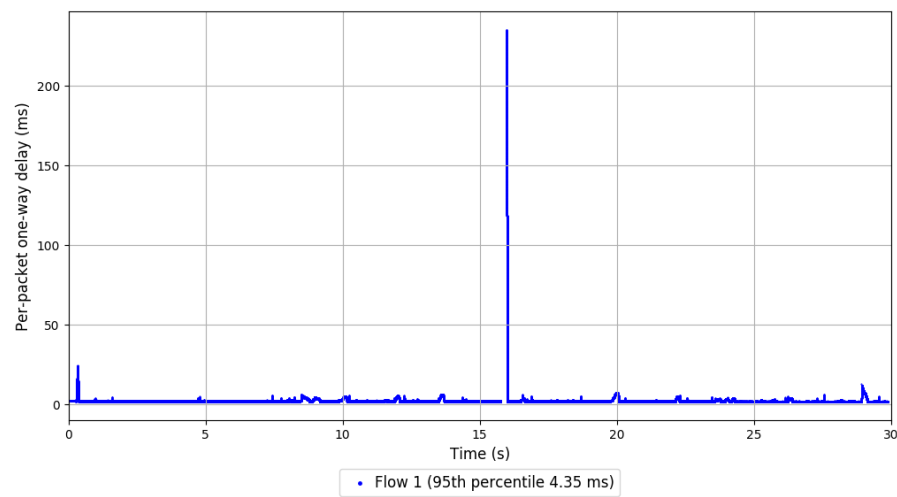
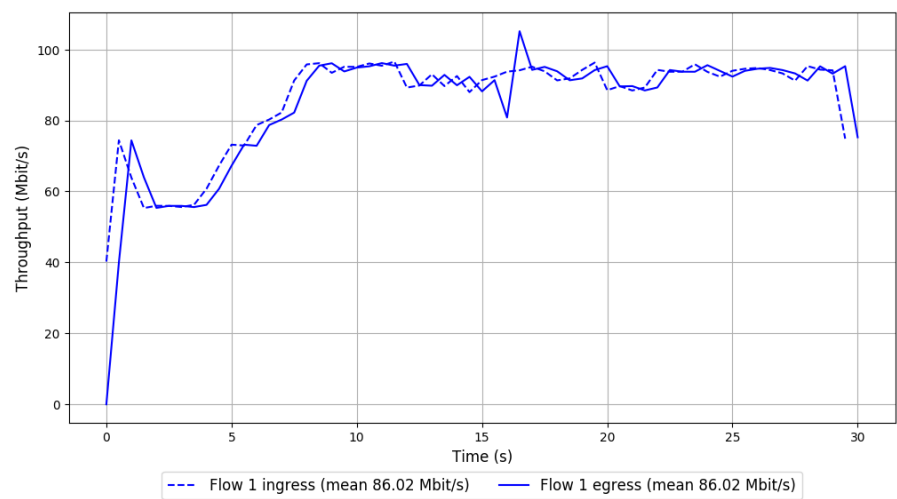
-- Flow 1:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 4.346 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-18 09:52:15

End at: 2018-06-18 09:52:45

Local clock offset: -2.55 ms

Remote clock offset: -6.575 ms

Below is generated by plot.py at 2018-06-18 12:01:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 5.045 ms

Loss rate: 0.00%

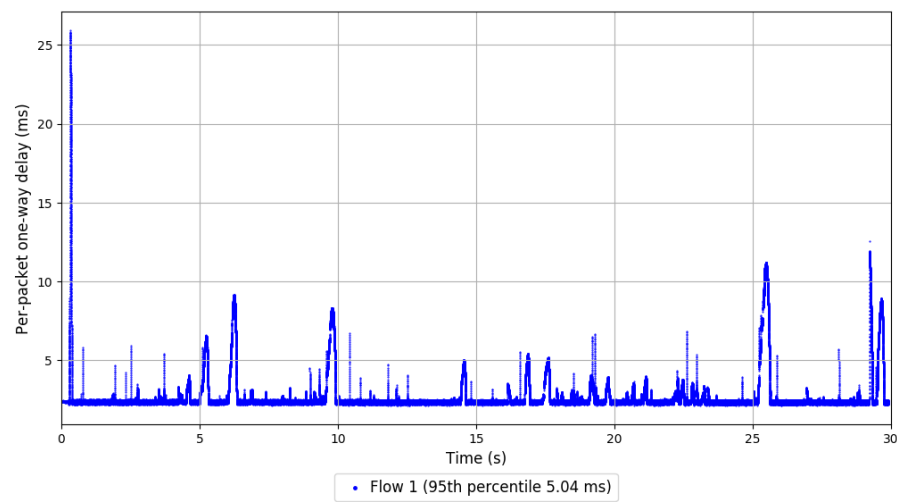
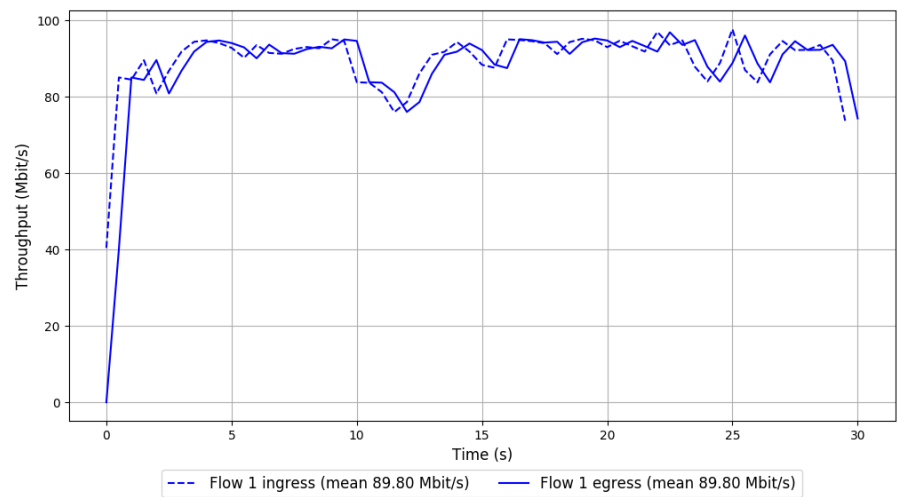
-- Flow 1:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 5.045 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

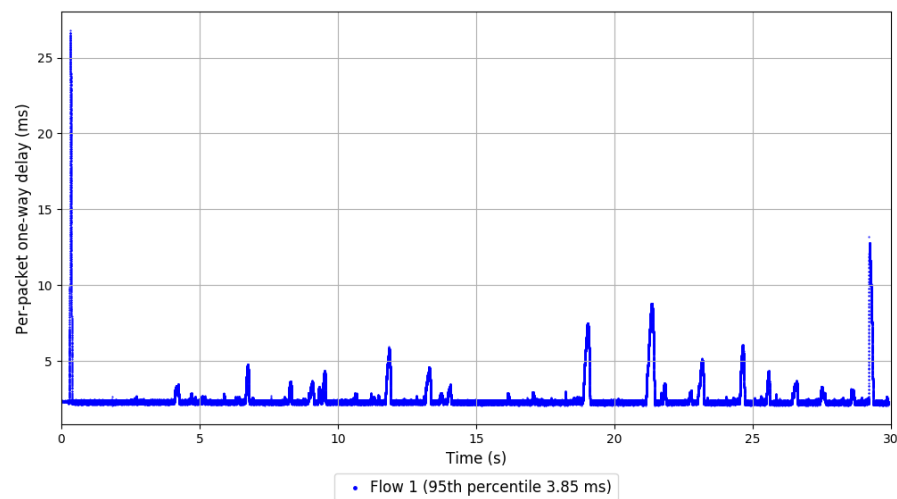
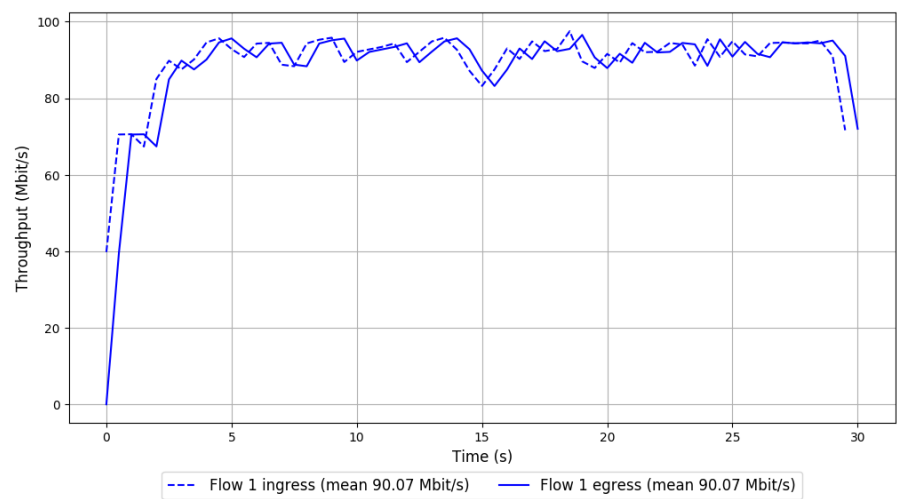


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-18 10:10:10
End at: 2018-06-18 10:10:40
Local clock offset: -3.034 ms
Remote clock offset: -4.362 ms

Below is generated by plot.py at 2018-06-18 12:01:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-18 10:28:06

End at: 2018-06-18 10:28:36

Local clock offset: -3.086 ms

Remote clock offset: -2.846 ms

Below is generated by plot.py at 2018-06-18 12:01:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 3.644 ms

Loss rate: 0.00%

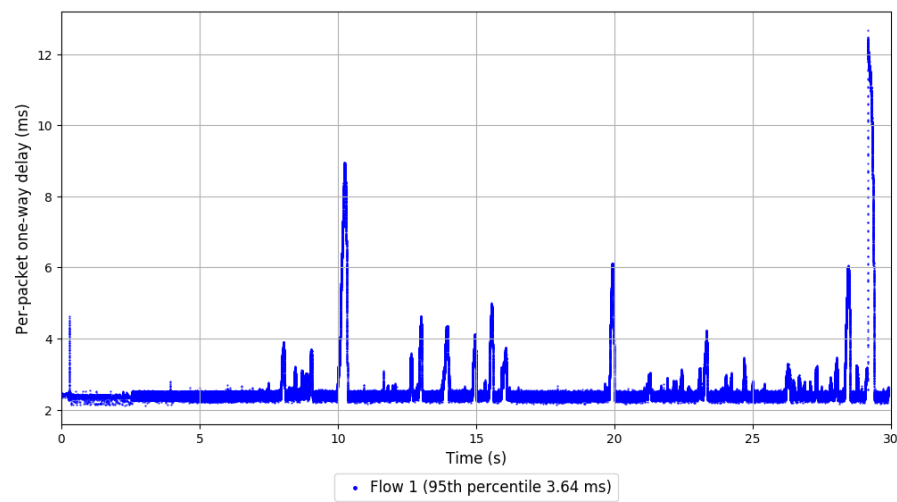
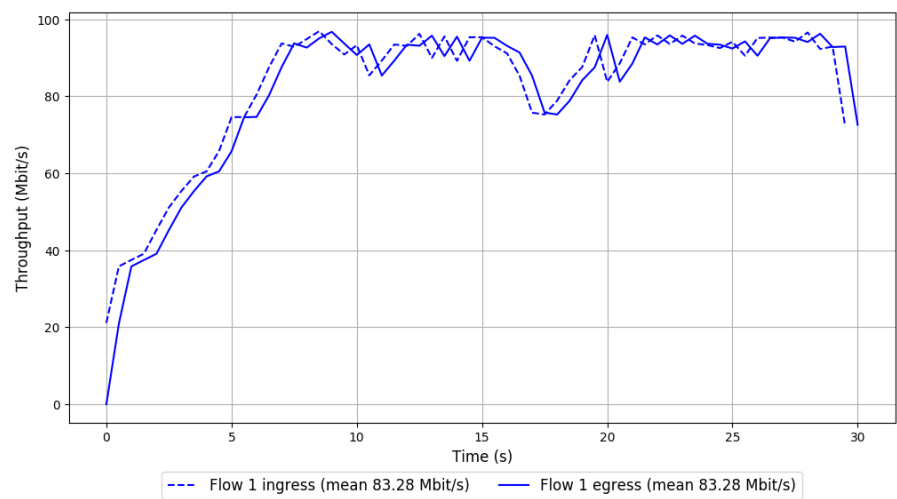
-- Flow 1:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 3.644 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

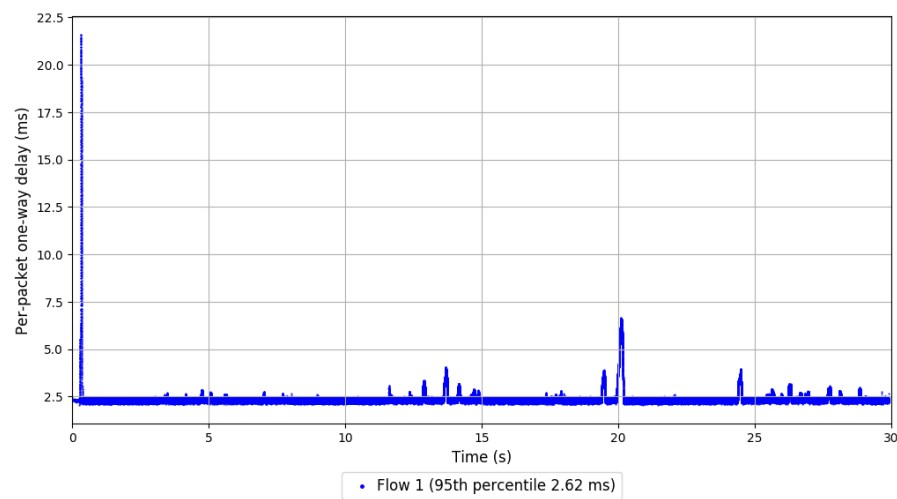
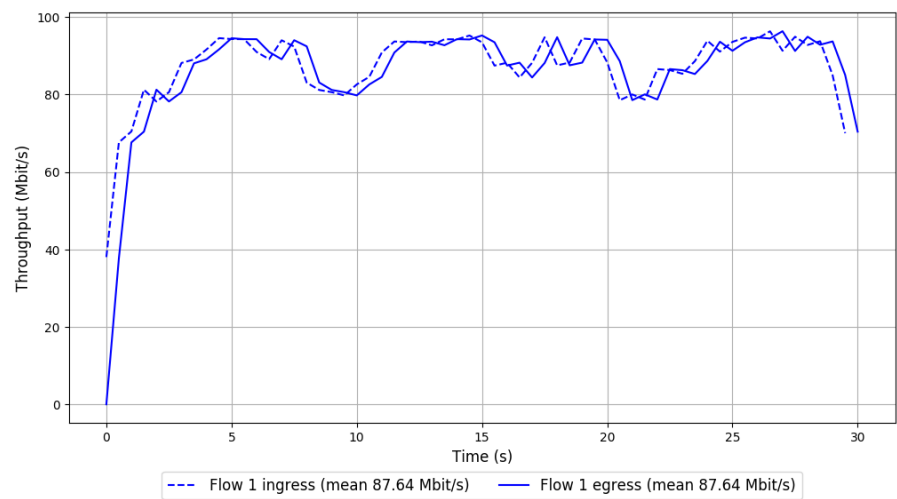


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-18 10:46:02
End at: 2018-06-18 10:46:32
Local clock offset: -2.399 ms
Remote clock offset: -2.414 ms

Below is generated by plot.py at 2018-06-18 12:01:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-18 11:04:02

End at: 2018-06-18 11:04:32

Local clock offset: -2.089 ms

Remote clock offset: -1.724 ms

Below is generated by plot.py at 2018-06-18 12:01:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 3.334 ms

Loss rate: 0.00%

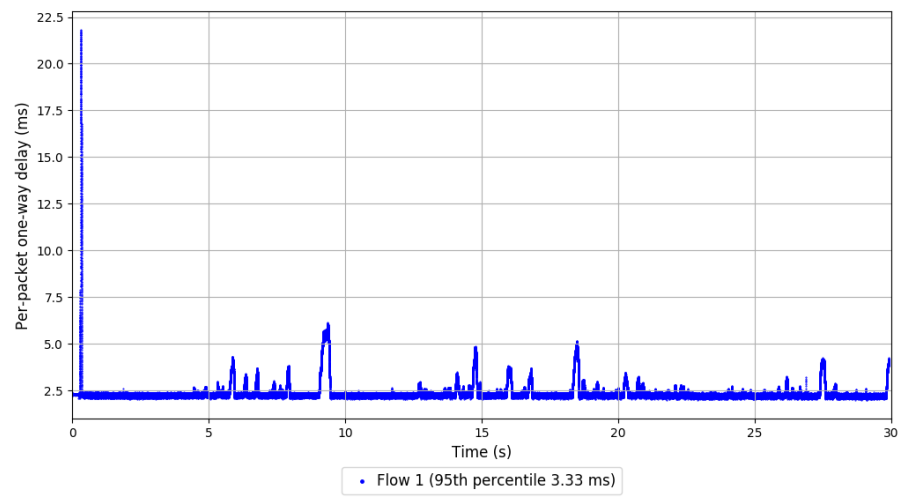
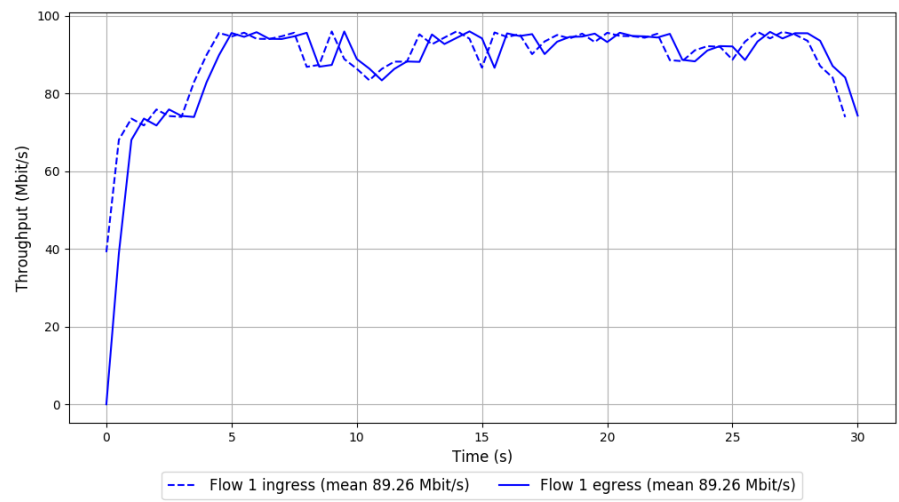
-- Flow 1:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 3.334 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-18 11:21:58

End at: 2018-06-18 11:22:28

Local clock offset: -2.806 ms

Remote clock offset: -3.172 ms

Below is generated by plot.py at 2018-06-18 12:01:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.72 Mbit/s

95th percentile per-packet one-way delay: 3.008 ms

Loss rate: 0.00%

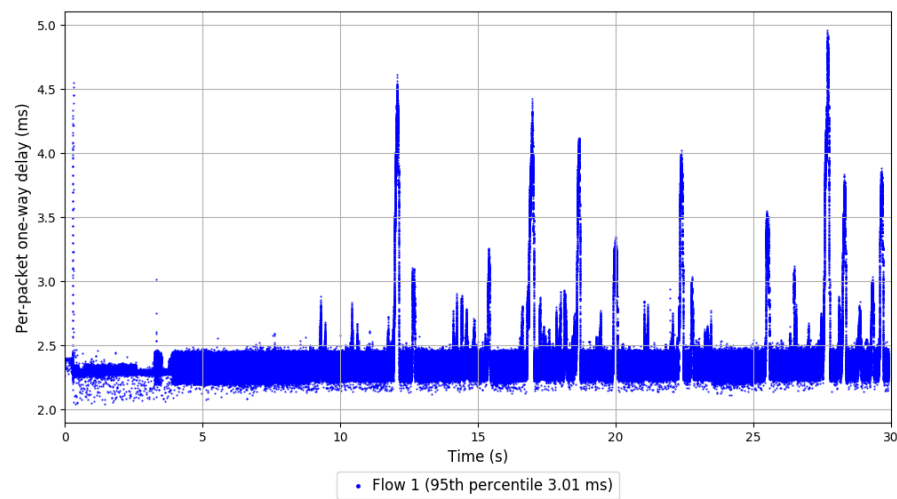
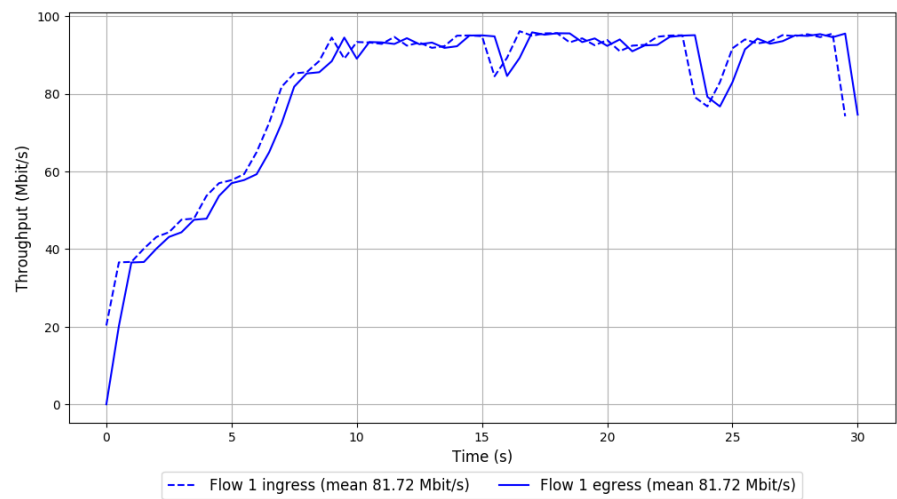
-- Flow 1:

Average throughput: 81.72 Mbit/s

95th percentile per-packet one-way delay: 3.008 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

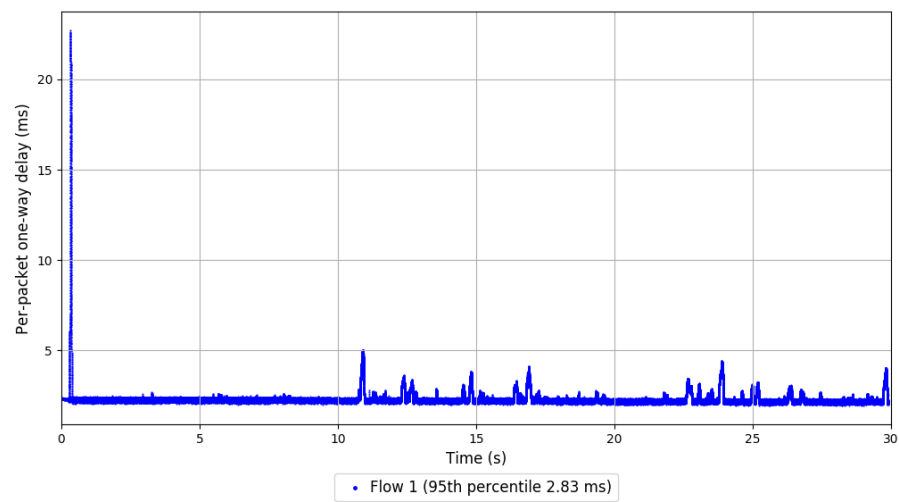
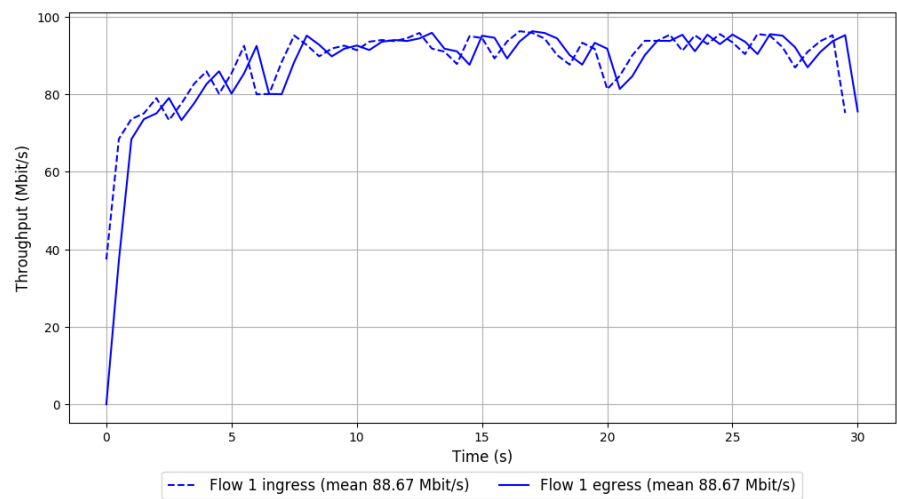


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-18 11:39:54
End at: 2018-06-18 11:40:24
Local clock offset: -5.173 ms
Remote clock offset: -3.275 ms

Below is generated by plot.py at 2018-06-18 12:01:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 2.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 2.830 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

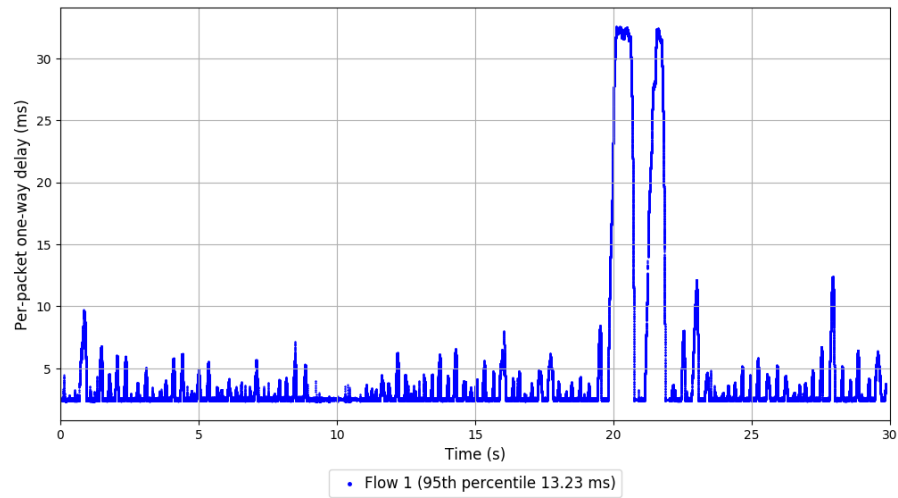
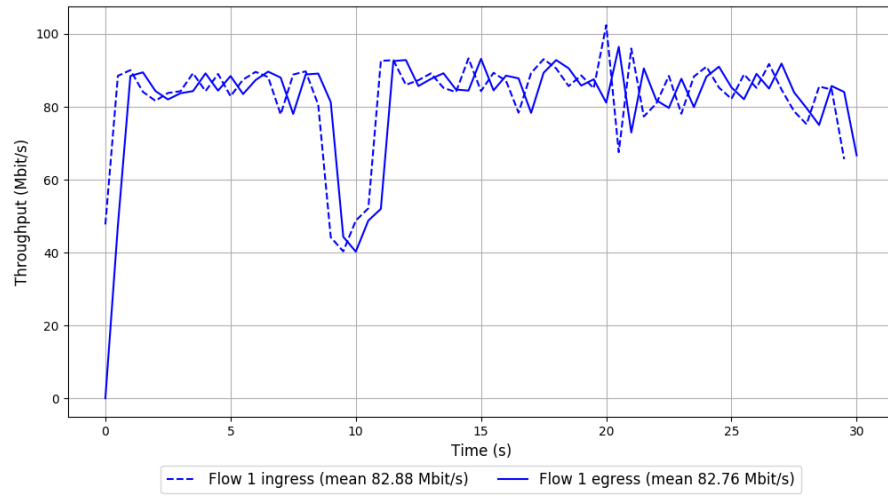


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-18 09:02:56
End at: 2018-06-18 09:03:26
Local clock offset: -0.809 ms
Remote clock offset: -7.296 ms

# Below is generated by plot.py at 2018-06-18 12:02:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 13.235 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 13.235 ms
Loss rate: 0.14%
```

Run 1: Report of PCC-Expr — Data Link

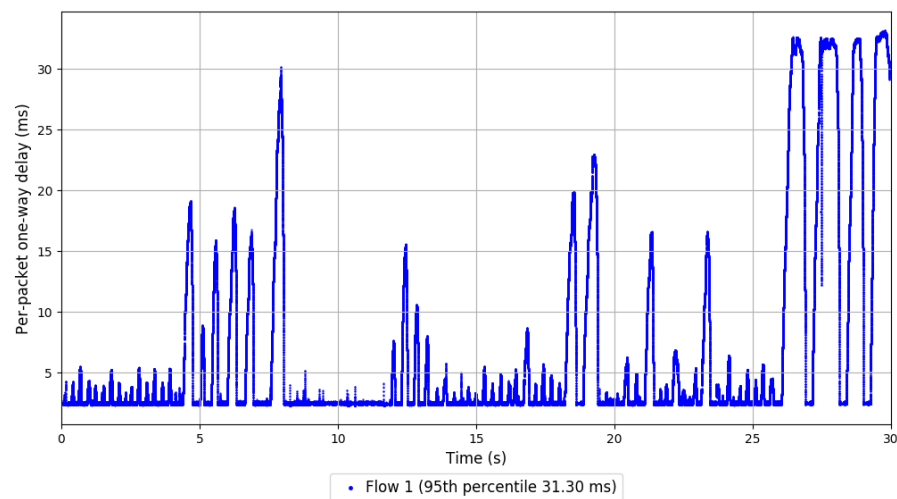
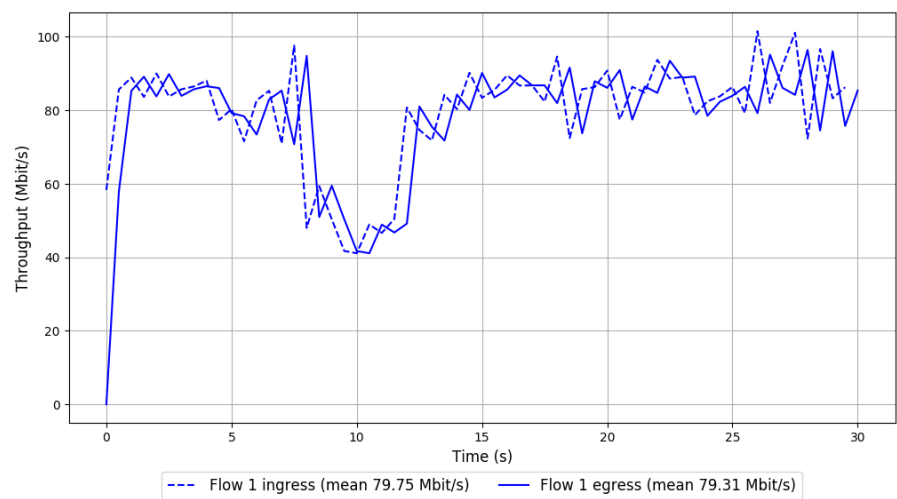


Run 2: Statistics of PCC-Expr

Start at: 2018-06-18 09:20:51
End at: 2018-06-18 09:21:21
Local clock offset: 0.538 ms
Remote clock offset: -7.104 ms

Below is generated by plot.py at 2018-06-18 12:02:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 31.305 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 31.305 ms
Loss rate: 0.46%

Run 2: Report of PCC-Expr — Data Link

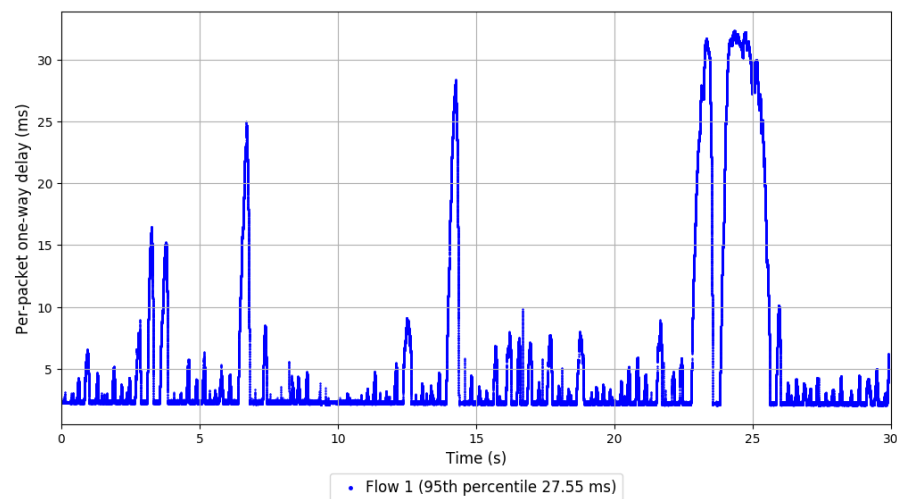
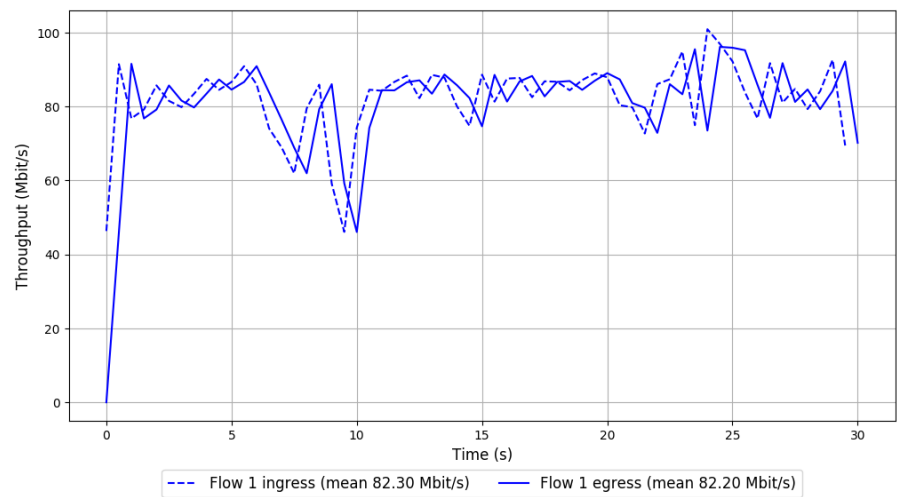


Run 3: Statistics of PCC-Expr

Start at: 2018-06-18 09:38:47
End at: 2018-06-18 09:39:17
Local clock offset: -0.343 ms
Remote clock offset: -6.715 ms

Below is generated by plot.py at 2018-06-18 12:02:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 27.551 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 27.551 ms
Loss rate: 0.11%

Run 3: Report of PCC-Expr — Data Link

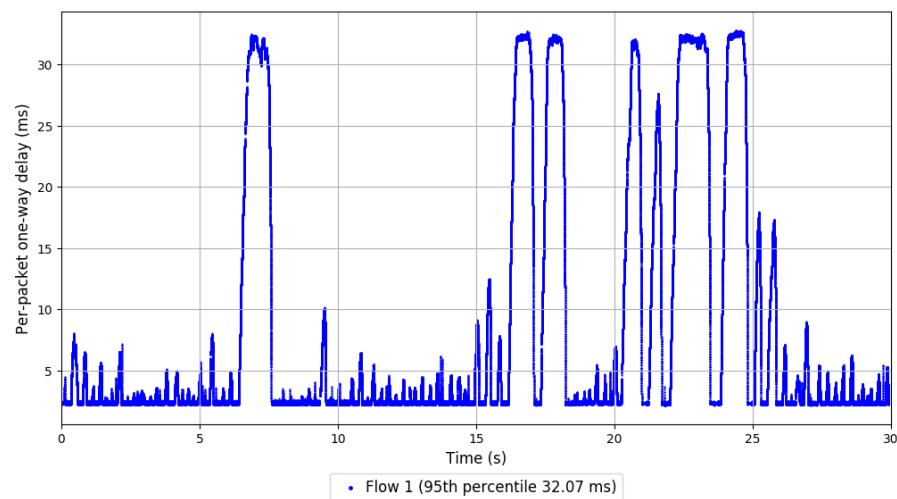
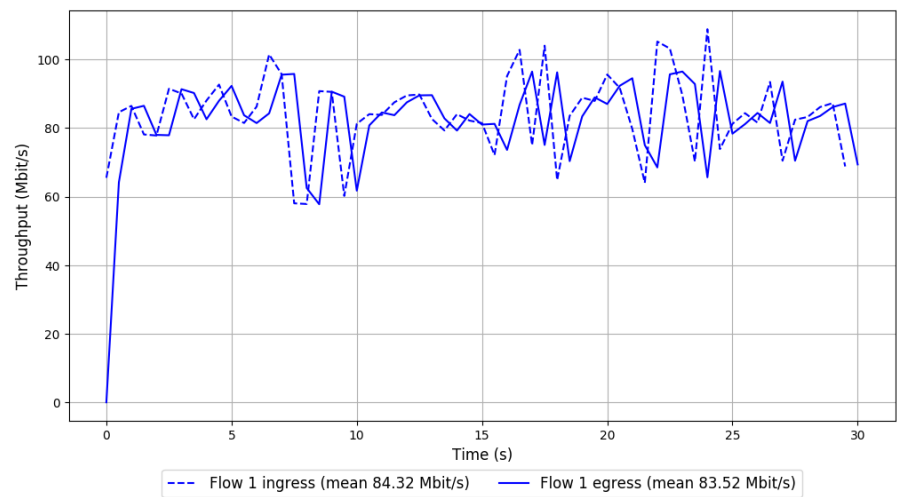


Run 4: Statistics of PCC-Expr

Start at: 2018-06-18 09:56:42
End at: 2018-06-18 09:57:12
Local clock offset: -2.83 ms
Remote clock offset: -6.595 ms

Below is generated by plot.py at 2018-06-18 12:02:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 32.073 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 32.073 ms
Loss rate: 0.94%

Run 4: Report of PCC-Expr — Data Link

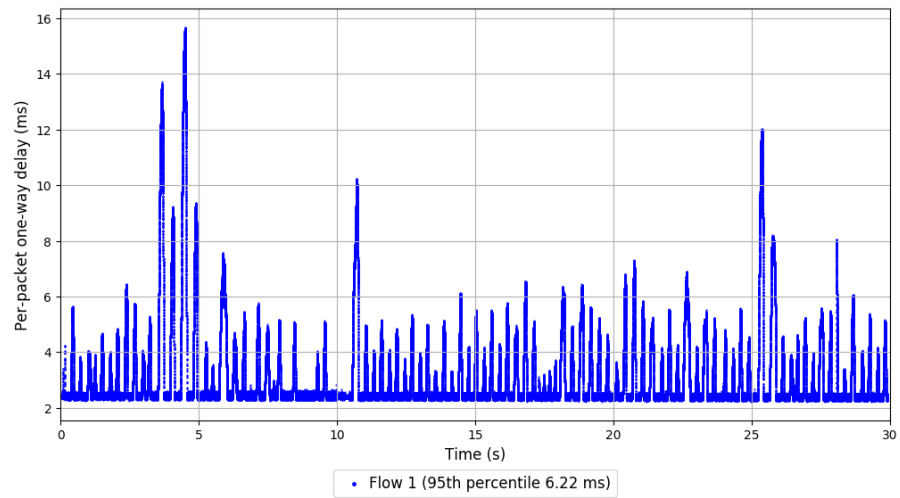
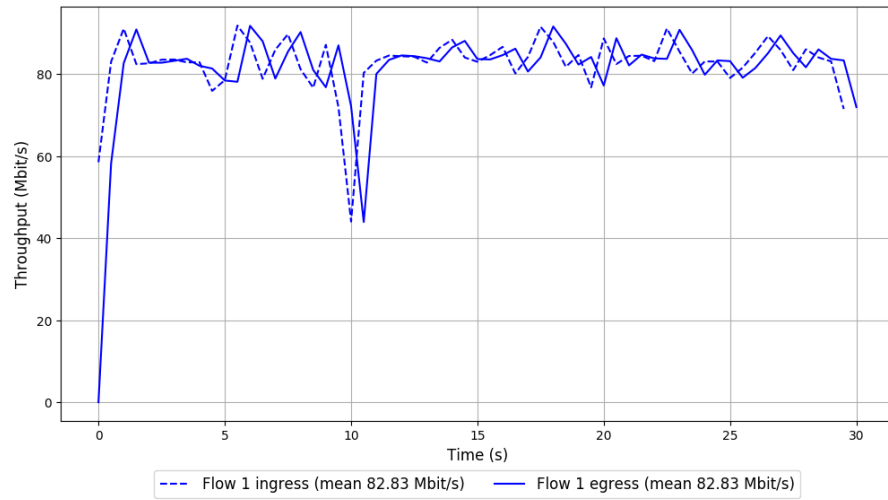


Run 5: Statistics of PCC-Expr

Start at: 2018-06-18 10:14:38
End at: 2018-06-18 10:15:08
Local clock offset: -3.043 ms
Remote clock offset: -3.782 ms

Below is generated by plot.py at 2018-06-18 12:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 6.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.83 Mbit/s
95th percentile per-packet one-way delay: 6.222 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

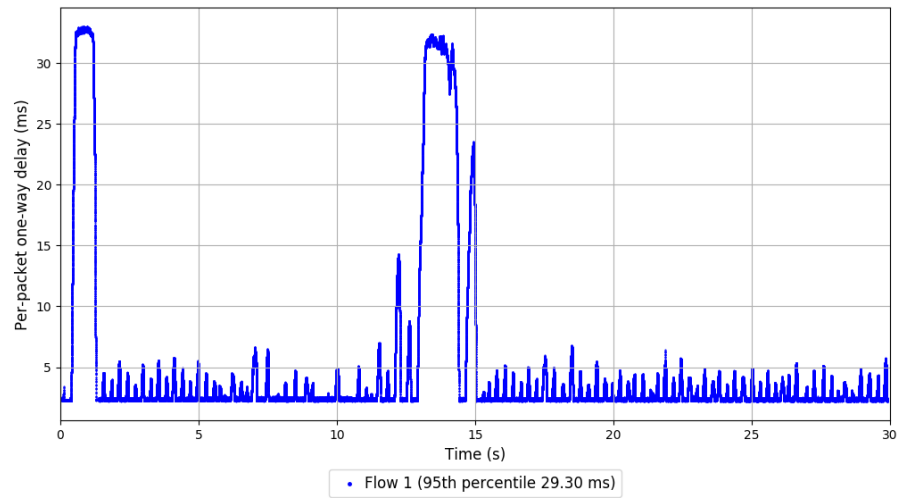
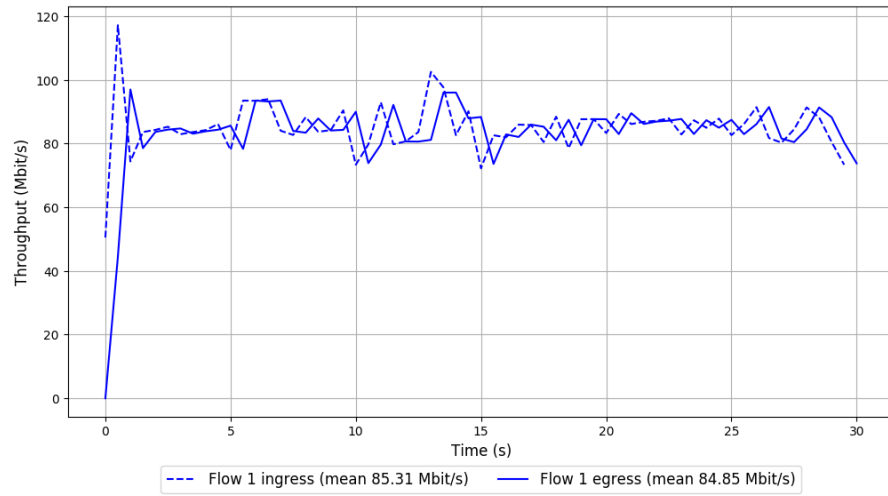


Run 6: Statistics of PCC-Expr

Start at: 2018-06-18 10:32:33
End at: 2018-06-18 10:33:03
Local clock offset: -3.122 ms
Remote clock offset: -2.714 ms

Below is generated by plot.py at 2018-06-18 12:03:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 29.304 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 29.304 ms
Loss rate: 0.53%

Run 6: Report of PCC-Expr — Data Link

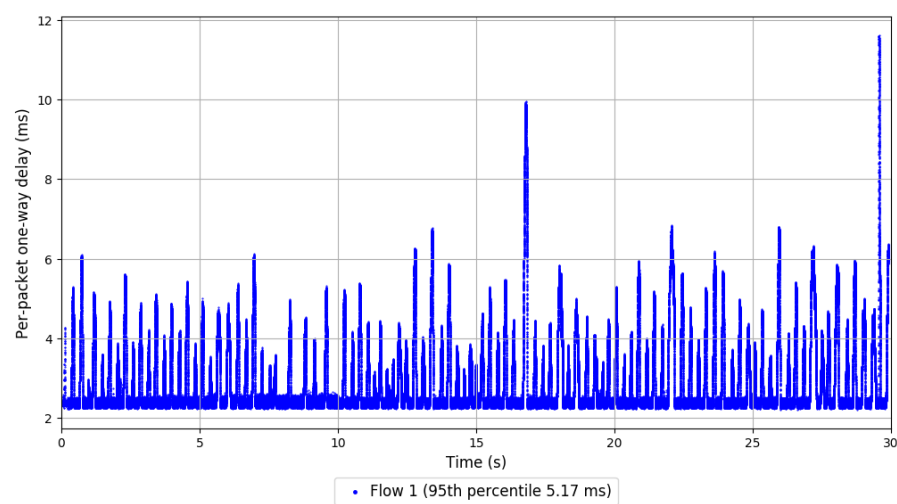
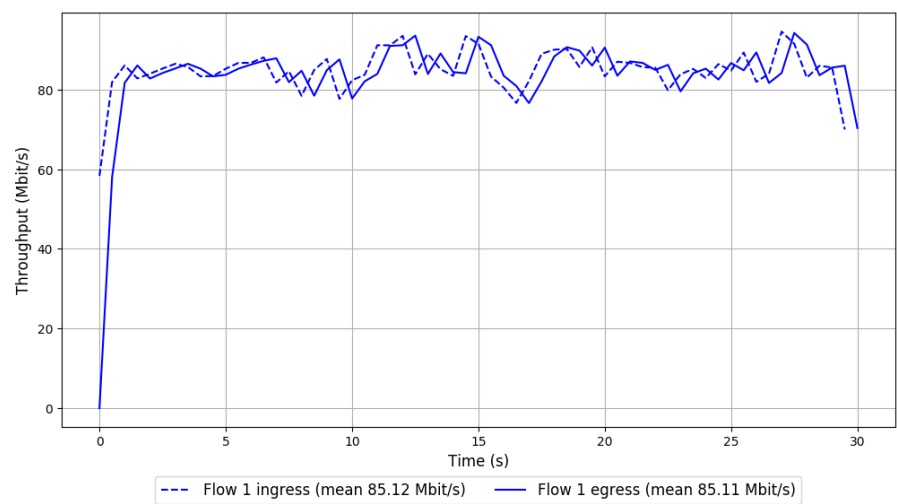


Run 7: Statistics of PCC-Expr

Start at: 2018-06-18 10:50:34
End at: 2018-06-18 10:51:04
Local clock offset: -2.335 ms
Remote clock offset: -2.229 ms

Below is generated by plot.py at 2018-06-18 12:03:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 5.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 5.165 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

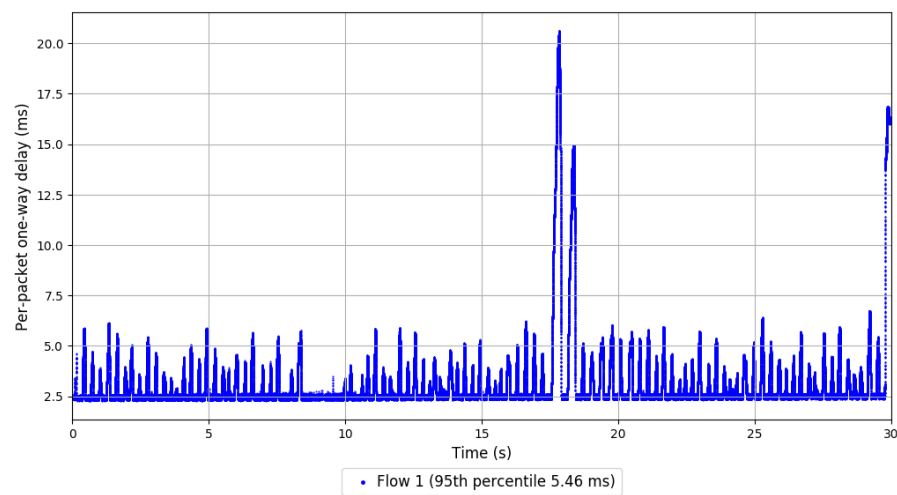
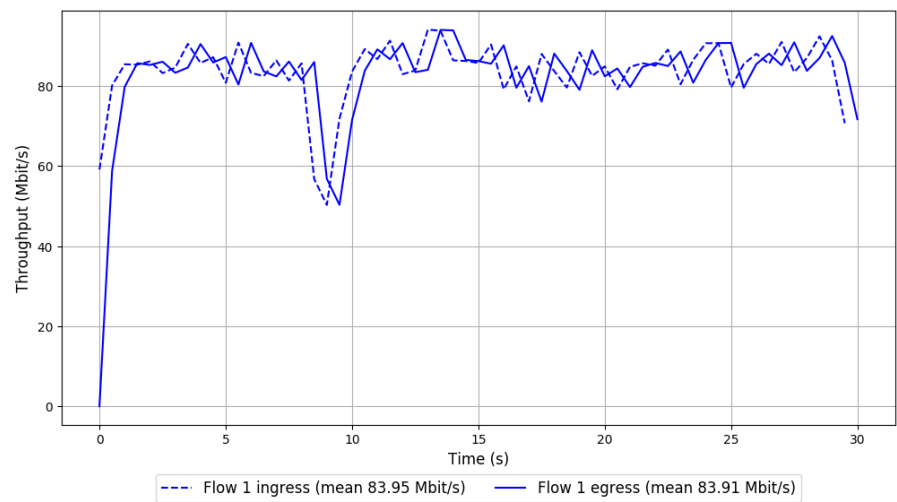


Run 8: Statistics of PCC-Expr

Start at: 2018-06-18 11:08:30
End at: 2018-06-18 11:09:00
Local clock offset: -2.398 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2018-06-18 12:03:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 5.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 5.462 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

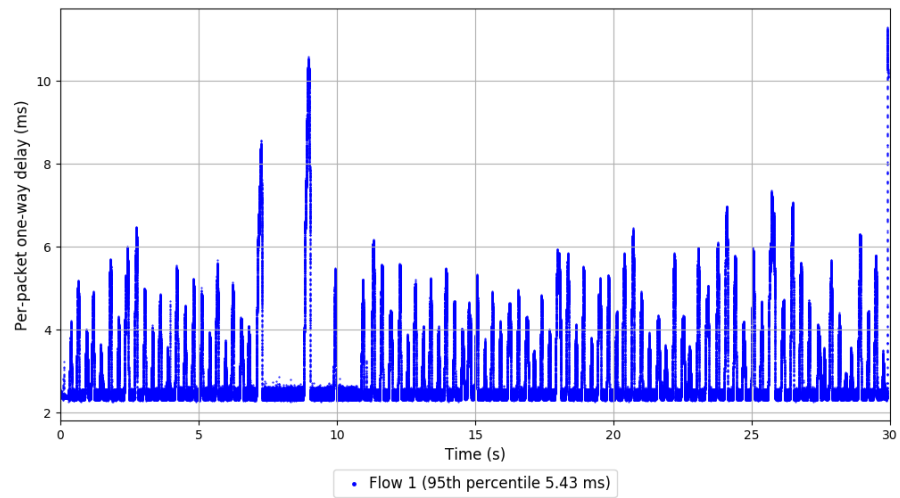
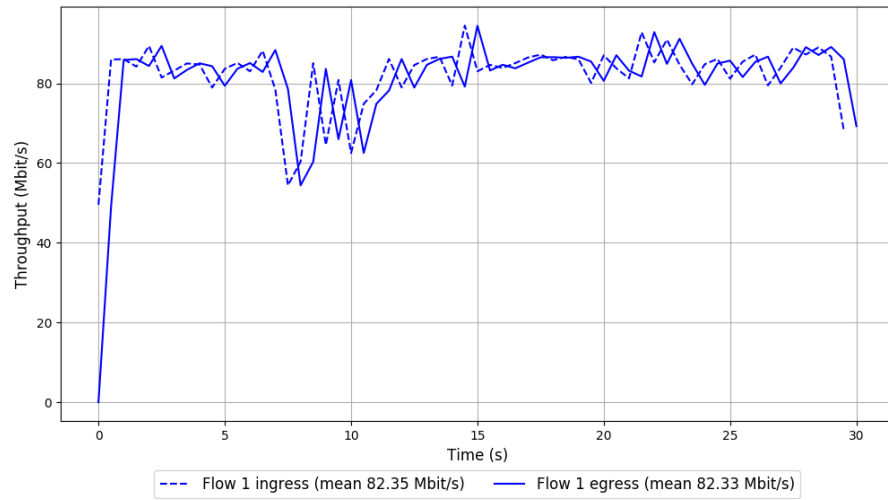


Run 9: Statistics of PCC-Expr

Start at: 2018-06-18 11:26:25
End at: 2018-06-18 11:26:55
Local clock offset: -2.859 ms
Remote clock offset: -3.206 ms

Below is generated by plot.py at 2018-06-18 12:04:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 5.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 5.429 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

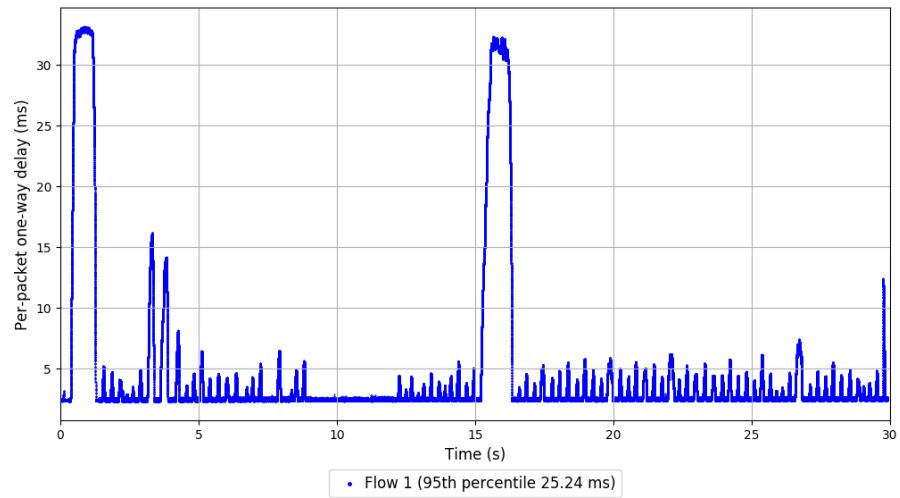
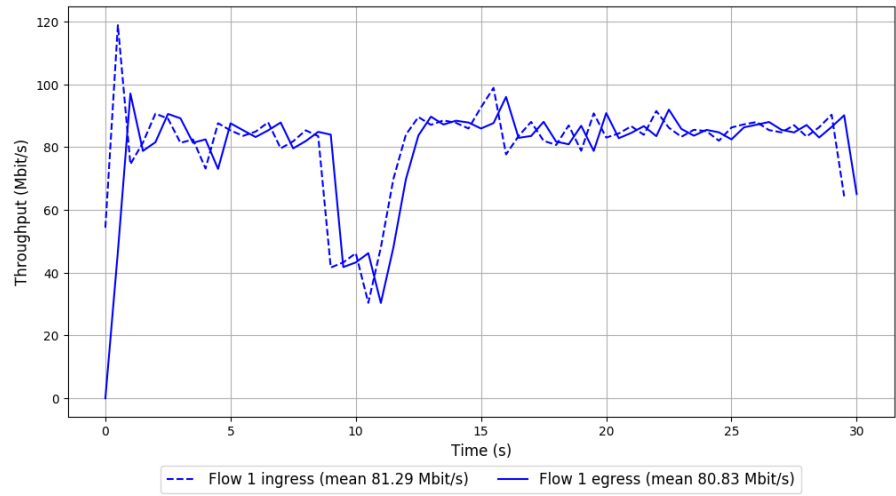


Run 10: Statistics of PCC-Expr

Start at: 2018-06-18 11:44:21
End at: 2018-06-18 11:44:51
Local clock offset: -6.262 ms
Remote clock offset: -4.279 ms

Below is generated by plot.py at 2018-06-18 12:04:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 25.237 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 25.237 ms
Loss rate: 0.56%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

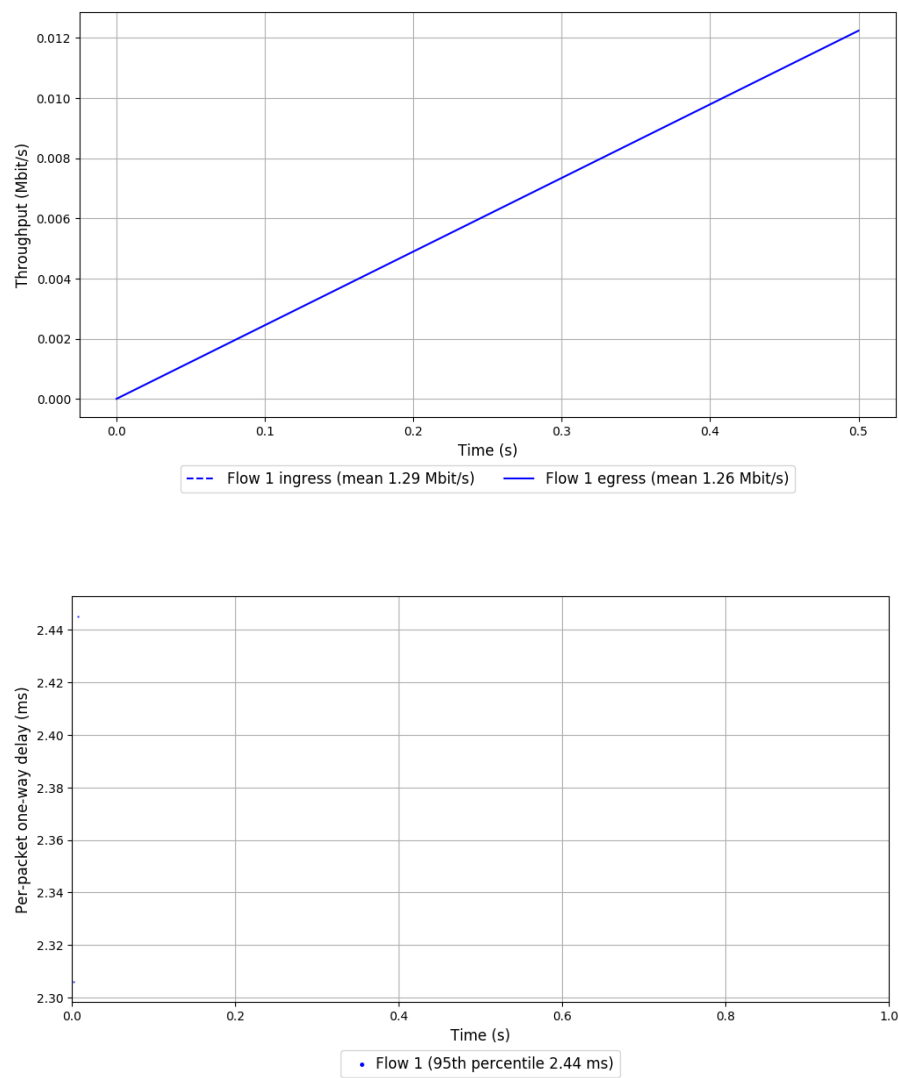
Start at: 2018-06-18 08:51:45

End at: 2018-06-18 08:52:16

Local clock offset: -1.797 ms

Remote clock offset: -8.023 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-18 09:09:37

End at: 2018-06-18 09:10:07

Local clock offset: -0.263 ms

Remote clock offset: -7.3 ms

Below is generated by plot.py at 2018-06-18 12:04:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 4.294 ms

Loss rate: 0.33%

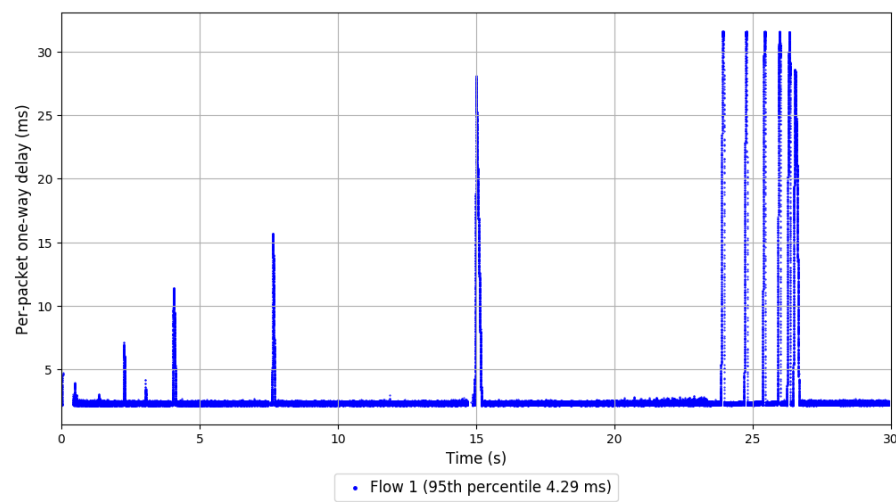
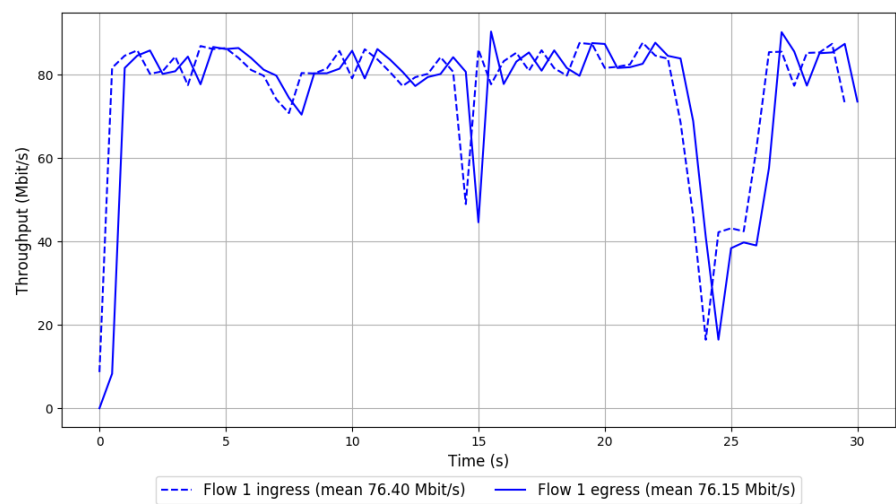
-- Flow 1:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 4.294 ms

Loss rate: 0.33%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-18 09:27:32

End at: 2018-06-18 09:28:02

Local clock offset: 1.035 ms

Remote clock offset: -6.988 ms

Below is generated by plot.py at 2018-06-18 12:04:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 3.406 ms

Loss rate: 0.39%

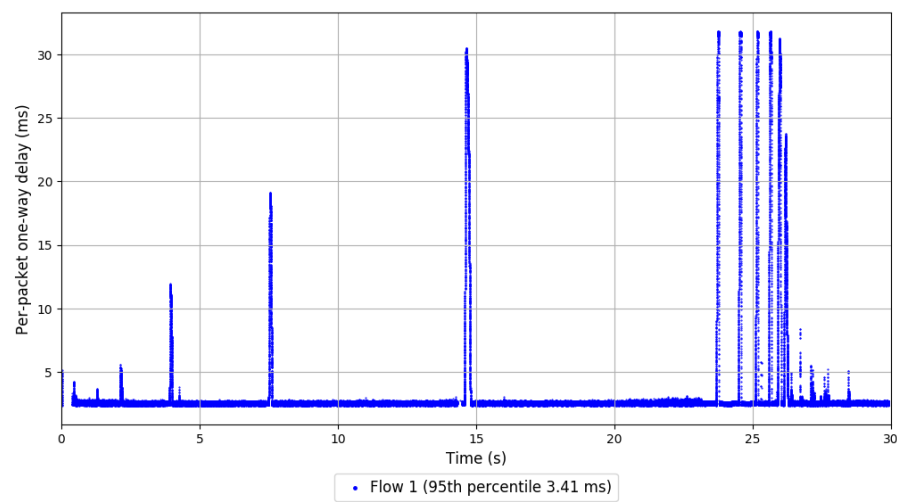
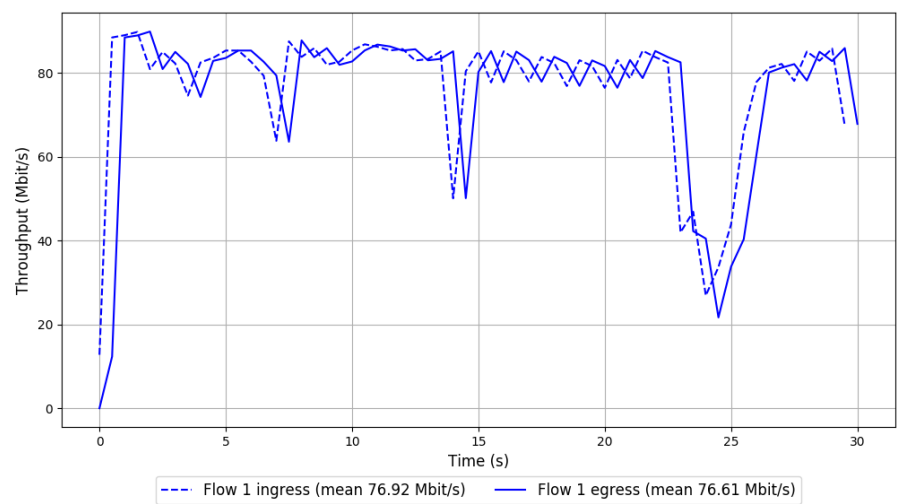
-- Flow 1:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 3.406 ms

Loss rate: 0.39%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-18 09:45:28

End at: 2018-06-18 09:45:58

Local clock offset: -1.805 ms

Remote clock offset: -6.648 ms

Below is generated by plot.py at 2018-06-18 12:04:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 9.920 ms

Loss rate: 0.32%

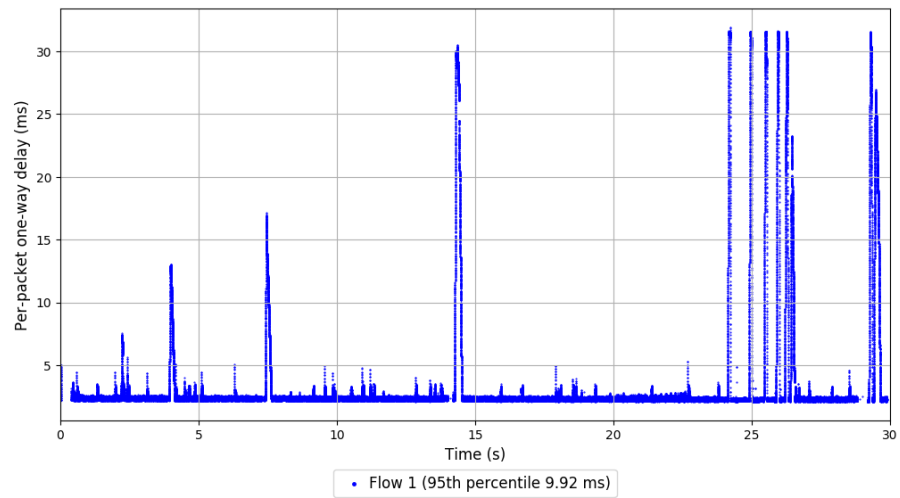
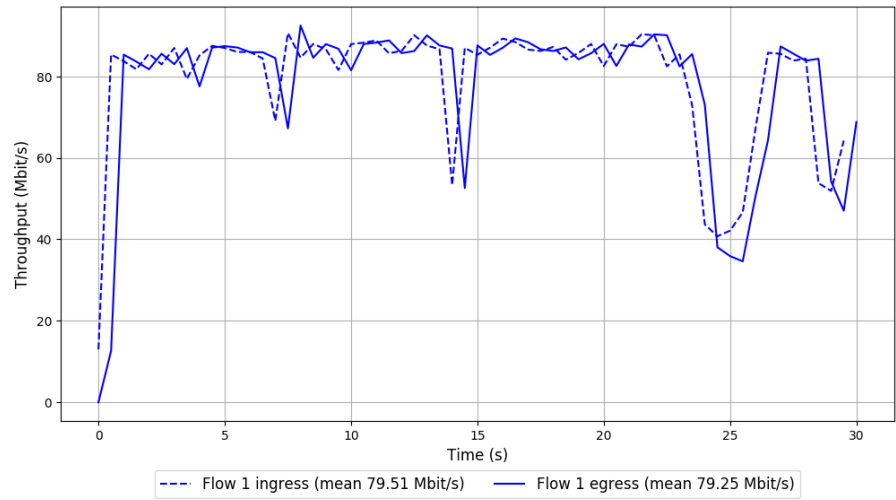
-- Flow 1:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 9.920 ms

Loss rate: 0.32%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-18 10:03:23

End at: 2018-06-18 10:03:53

Local clock offset: -3.057 ms

Remote clock offset: -5.469 ms

Below is generated by plot.py at 2018-06-18 12:04:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 4.827 ms

Loss rate: 0.24%

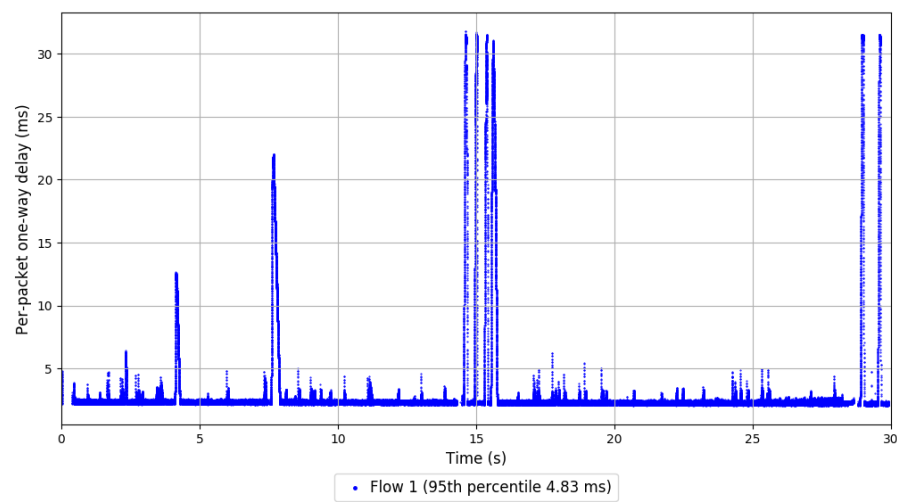
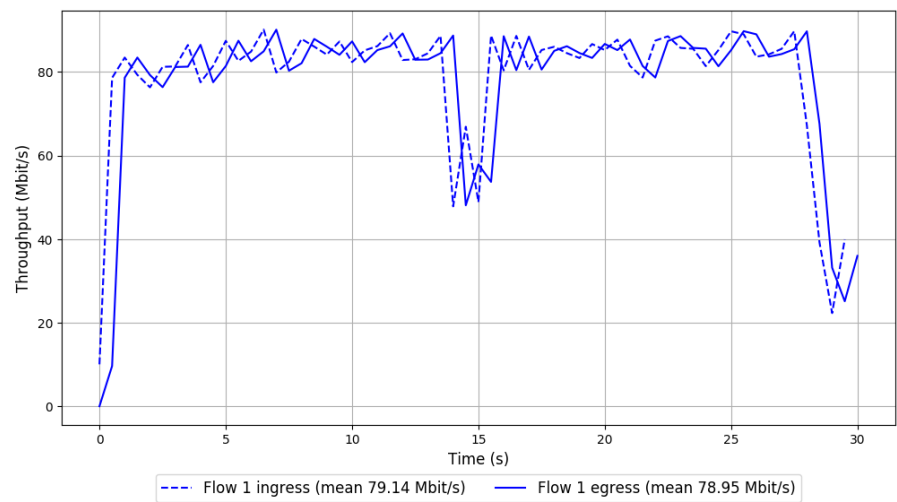
-- Flow 1:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 4.827 ms

Loss rate: 0.24%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-18 10:21:18

End at: 2018-06-18 10:21:48

Local clock offset: -3.108 ms

Remote clock offset: -3.248 ms

Below is generated by plot.py at 2018-06-18 12:04:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.12%

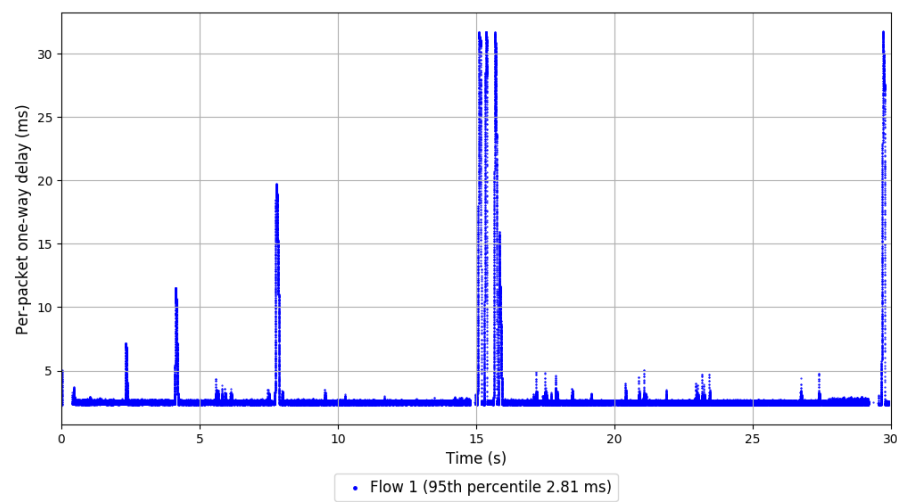
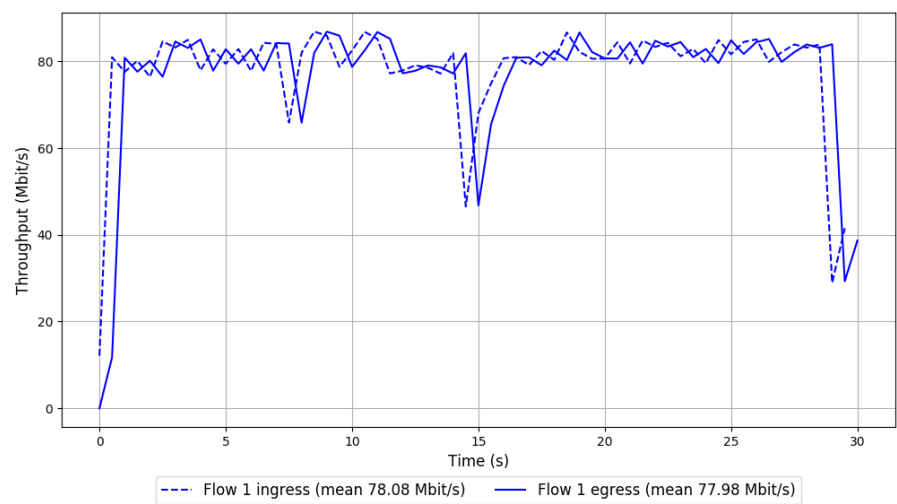
-- Flow 1:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.12%

Run 6: Report of QUIC Cubic — Data Link

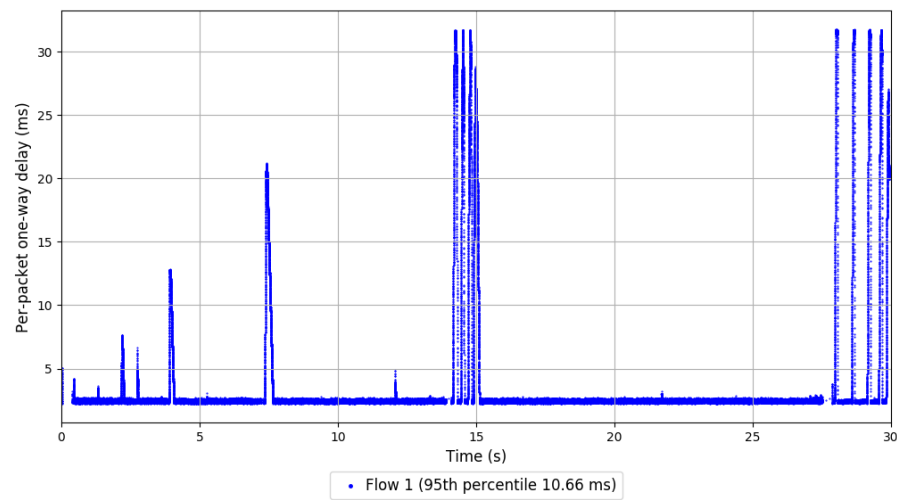
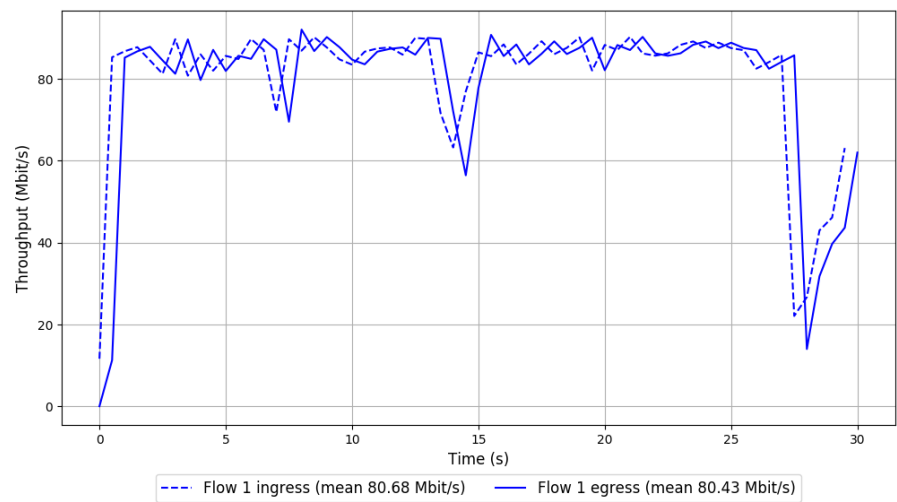


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-18 10:39:14
End at: 2018-06-18 10:39:44
Local clock offset: -2.773 ms
Remote clock offset: -2.592 ms

Below is generated by plot.py at 2018-06-18 12:04:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.43 Mbit/s
95th percentile per-packet one-way delay: 10.663 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 80.43 Mbit/s
95th percentile per-packet one-way delay: 10.663 ms
Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-18 10:57:15

End at: 2018-06-18 10:57:45

Local clock offset: -2.165 ms

Remote clock offset: -1.892 ms

Below is generated by plot.py at 2018-06-18 12:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 9.512 ms

Loss rate: 0.35%

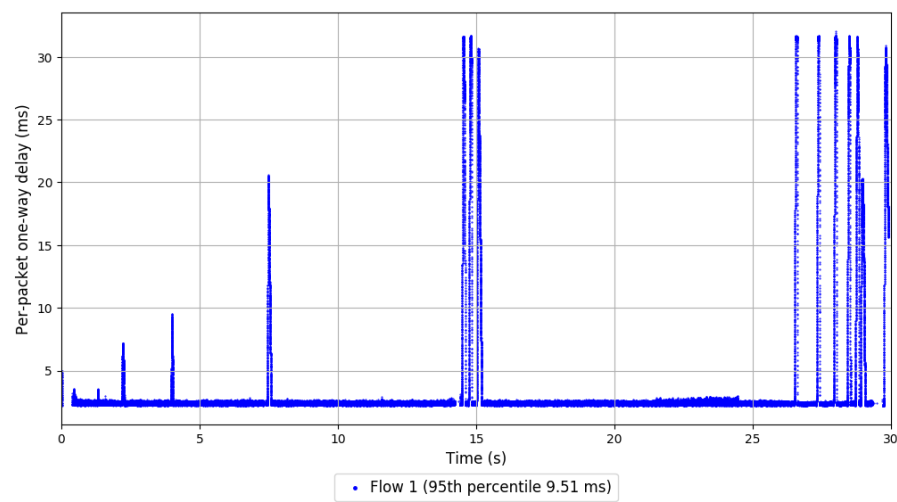
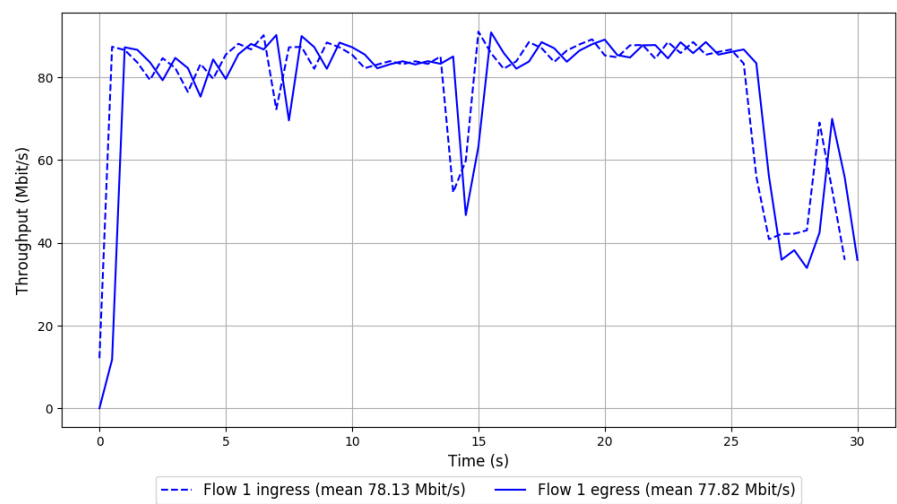
-- Flow 1:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 9.512 ms

Loss rate: 0.35%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-18 11:15:11

End at: 2018-06-18 11:15:41

Local clock offset: -2.667 ms

Remote clock offset: -2.65 ms

Below is generated by plot.py at 2018-06-18 12:05:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 9.260 ms

Loss rate: 0.39%

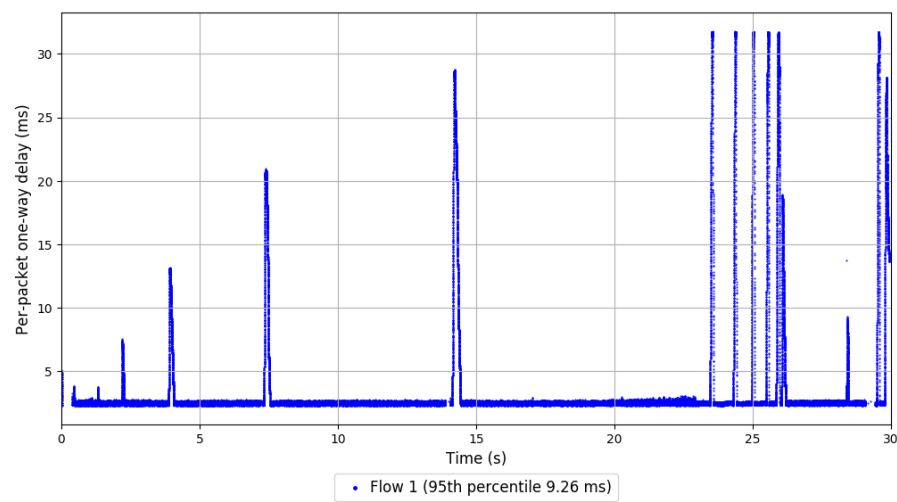
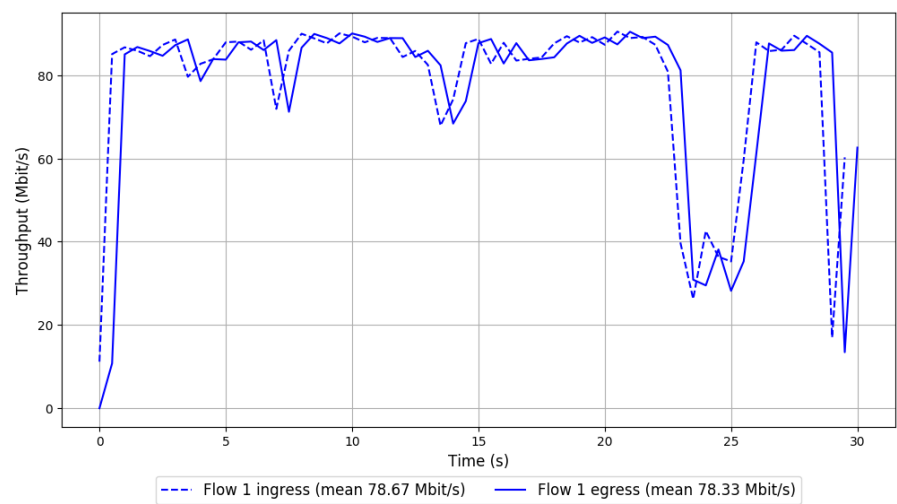
-- Flow 1:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 9.260 ms

Loss rate: 0.39%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-18 11:33:06

End at: 2018-06-18 11:33:36

Local clock offset: -2.992 ms

Remote clock offset: -3.253 ms

Below is generated by plot.py at 2018-06-18 12:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 7.601 ms

Loss rate: 0.42%

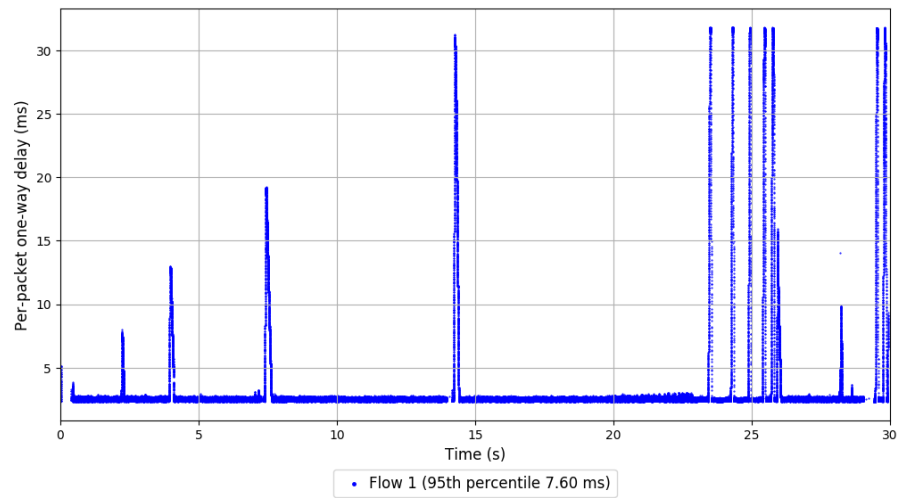
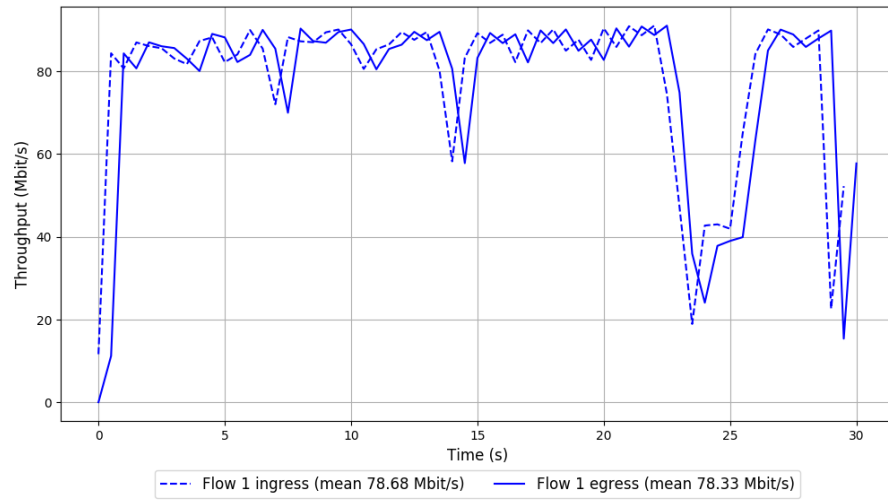
-- Flow 1:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 7.601 ms

Loss rate: 0.42%

Run 10: Report of QUIC Cubic — Data Link

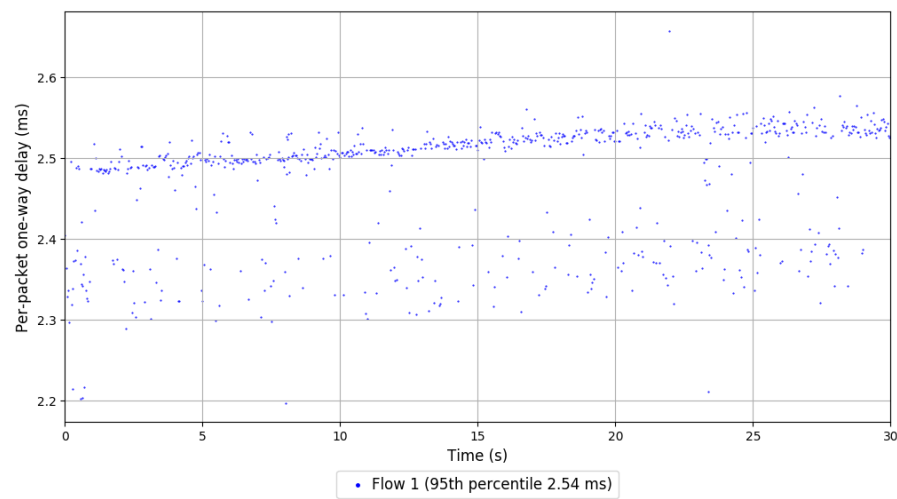
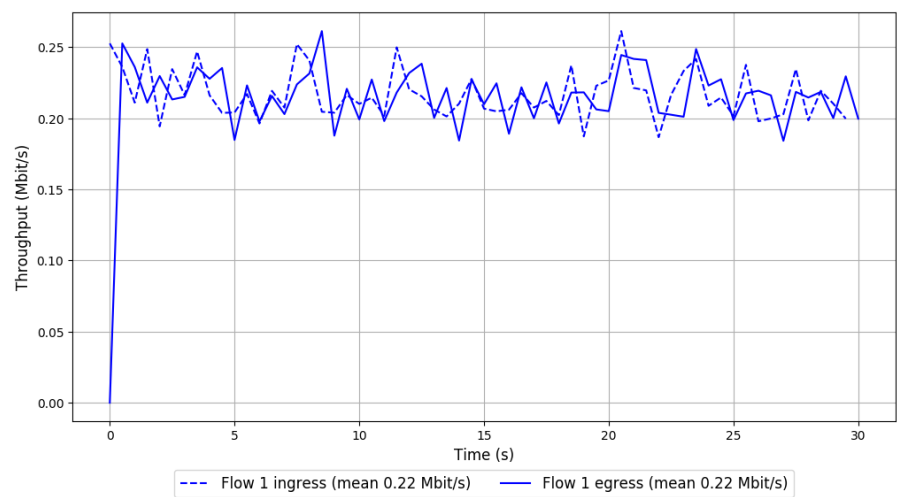


Run 1: Statistics of SCReAM

Start at: 2018-06-18 08:50:42
End at: 2018-06-18 08:51:12
Local clock offset: -1.914 ms
Remote clock offset: -8.103 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

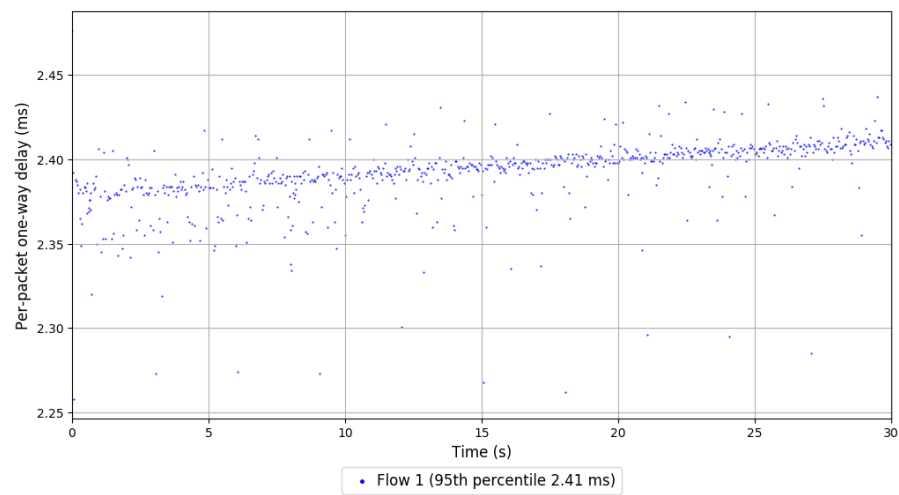
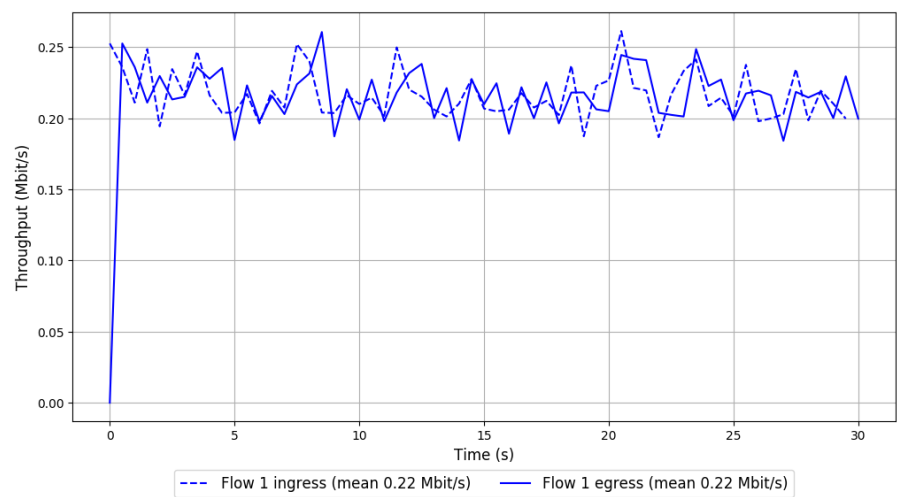


Run 2: Statistics of SCReAM

Start at: 2018-06-18 09:08:33
End at: 2018-06-18 09:09:03
Local clock offset: -0.345 ms
Remote clock offset: -7.242 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-18 09:26:29

End at: 2018-06-18 09:26:59

Local clock offset: 1.019 ms

Remote clock offset: -7.03 ms

Below is generated by plot.py at 2018-06-18 12:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.469 ms

Loss rate: 0.00%

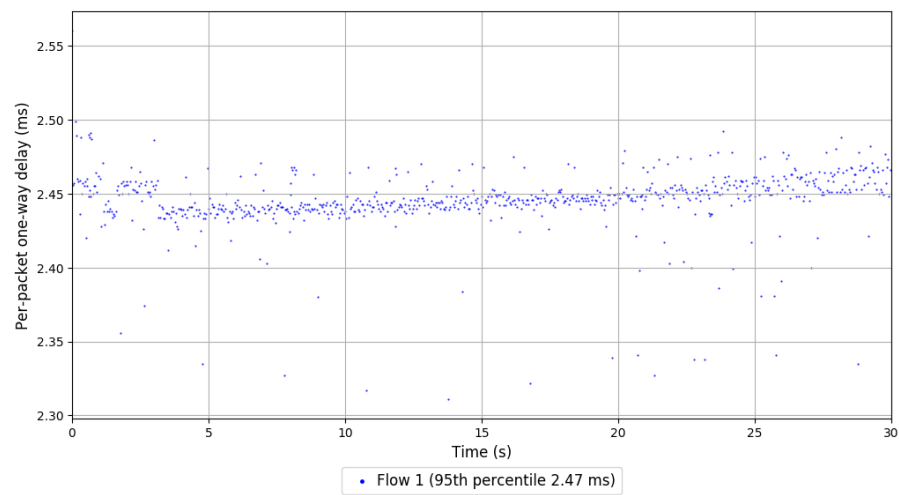
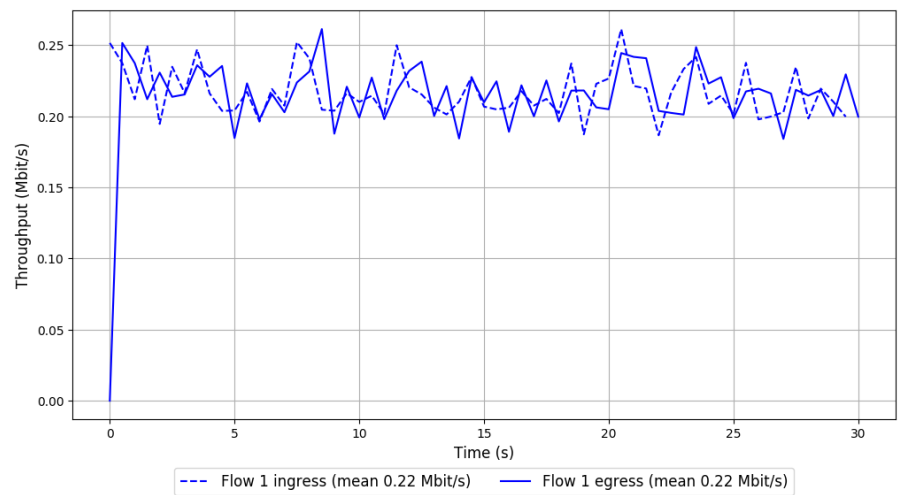
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.469 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

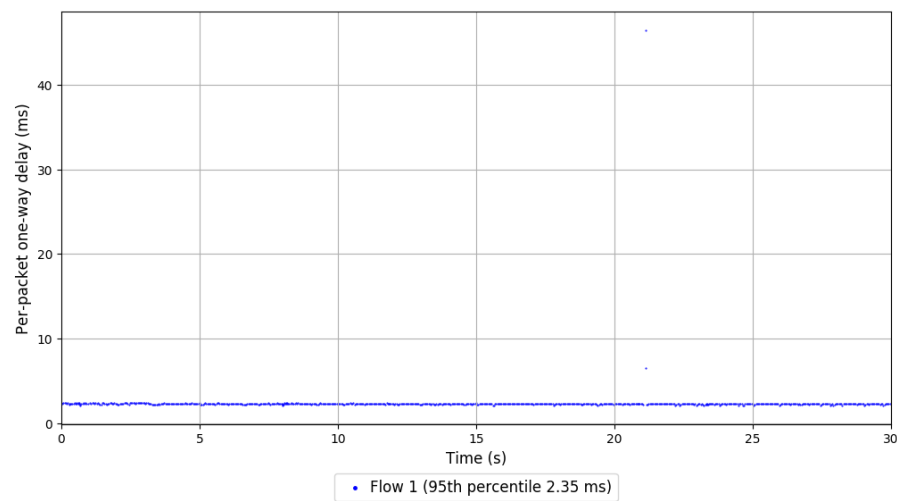
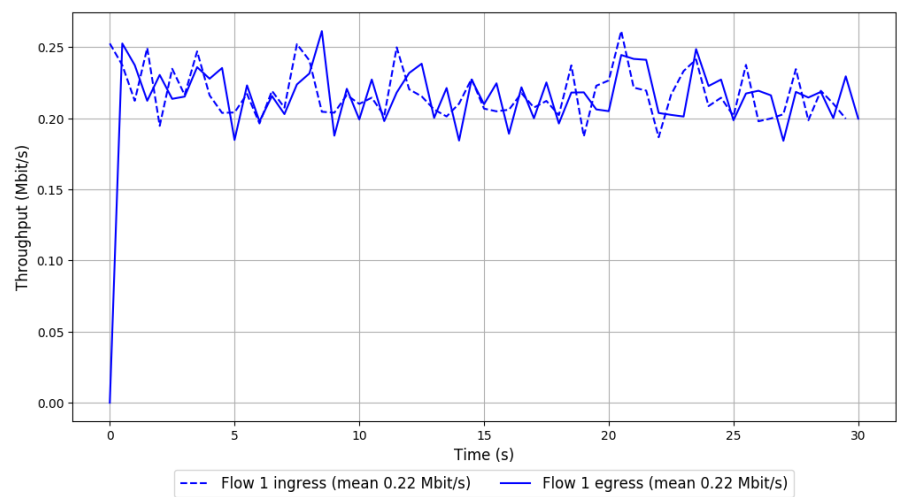


Run 4: Statistics of SCReAM

Start at: 2018-06-18 09:44:24
End at: 2018-06-18 09:44:54
Local clock offset: -1.685 ms
Remote clock offset: -6.701 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

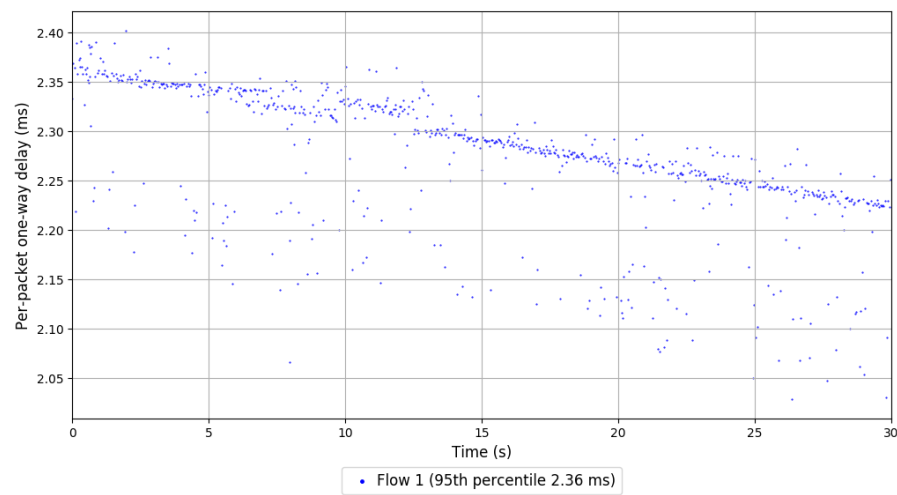
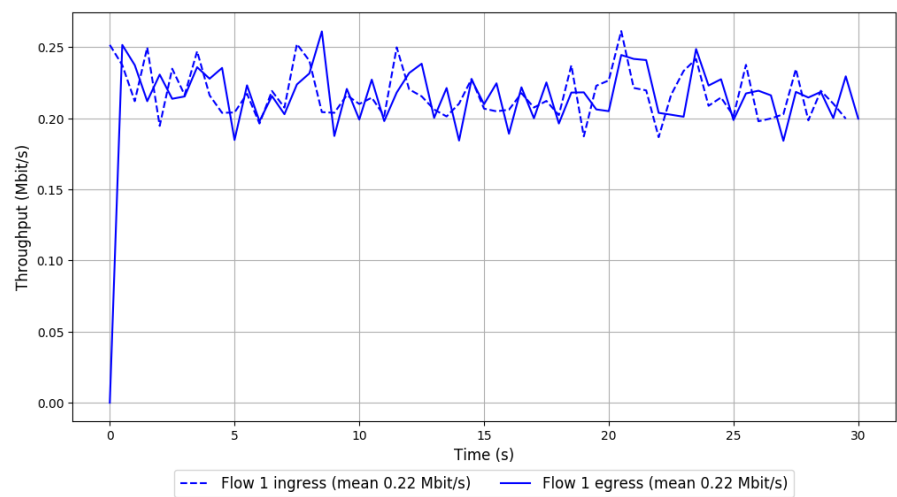


Run 5: Statistics of SCReAM

Start at: 2018-06-18 10:02:20
End at: 2018-06-18 10:02:50
Local clock offset: -3.042 ms
Remote clock offset: -5.721 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.358 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

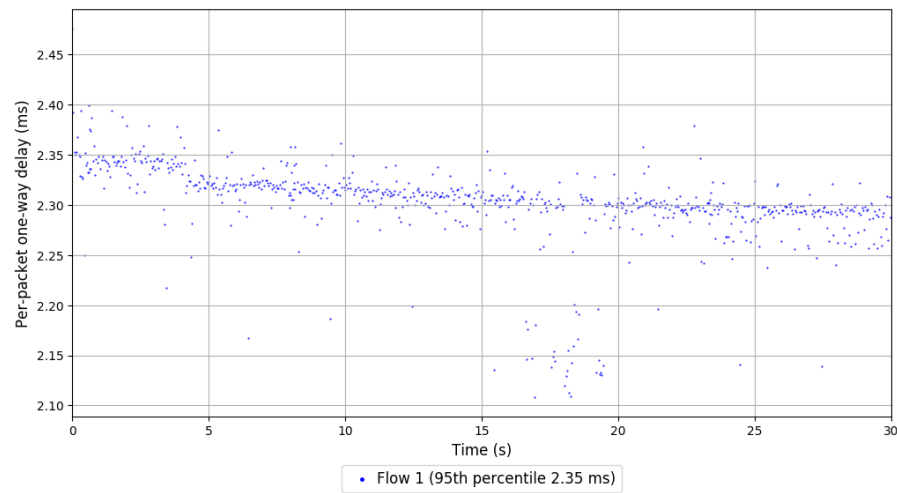
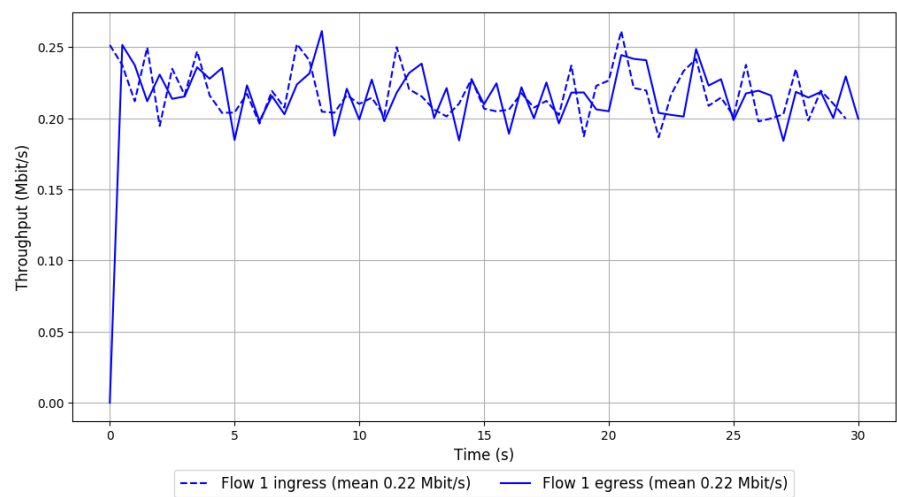


Run 6: Statistics of SCReAM

Start at: 2018-06-18 10:20:15
End at: 2018-06-18 10:20:45
Local clock offset: -3.046 ms
Remote clock offset: -3.415 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

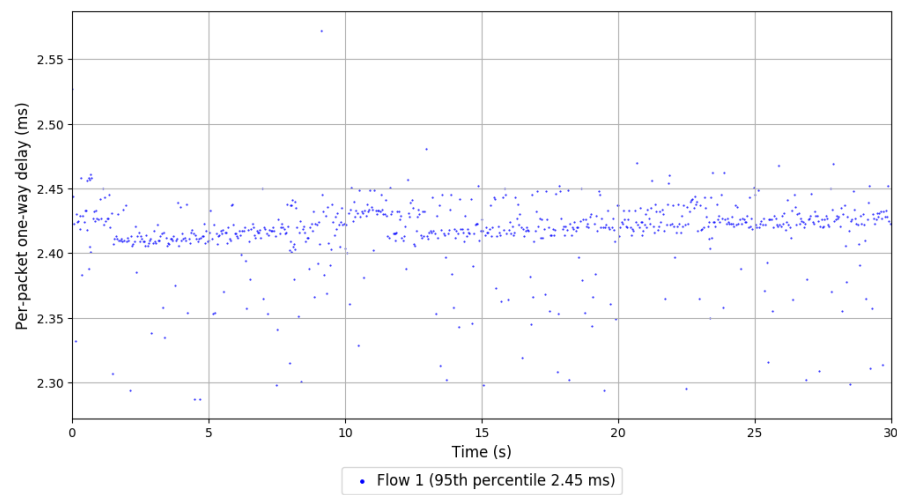
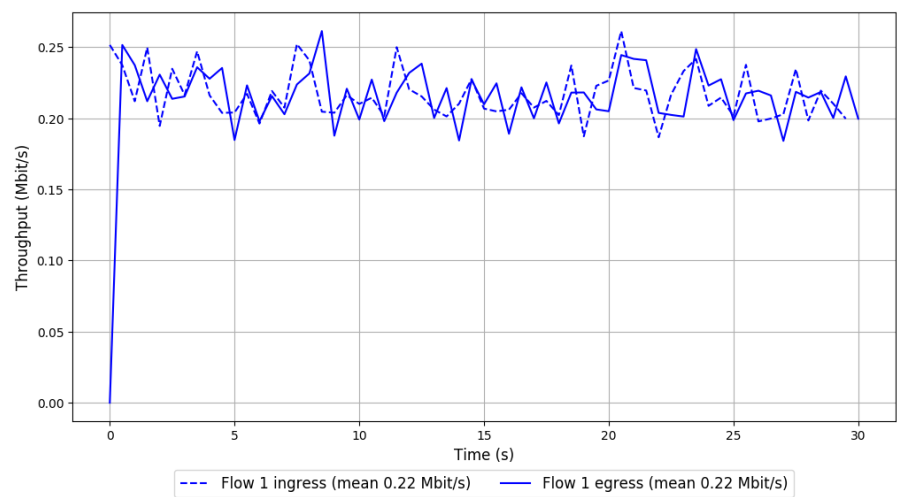


Run 7: Statistics of SCReAM

Start at: 2018-06-18 10:38:11
End at: 2018-06-18 10:38:41
Local clock offset: -2.834 ms
Remote clock offset: -2.618 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-18 10:56:11

End at: 2018-06-18 10:56:41

Local clock offset: -2.175 ms

Remote clock offset: -1.97 ms

Below is generated by plot.py at 2018-06-18 12:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.377 ms

Loss rate: 0.00%

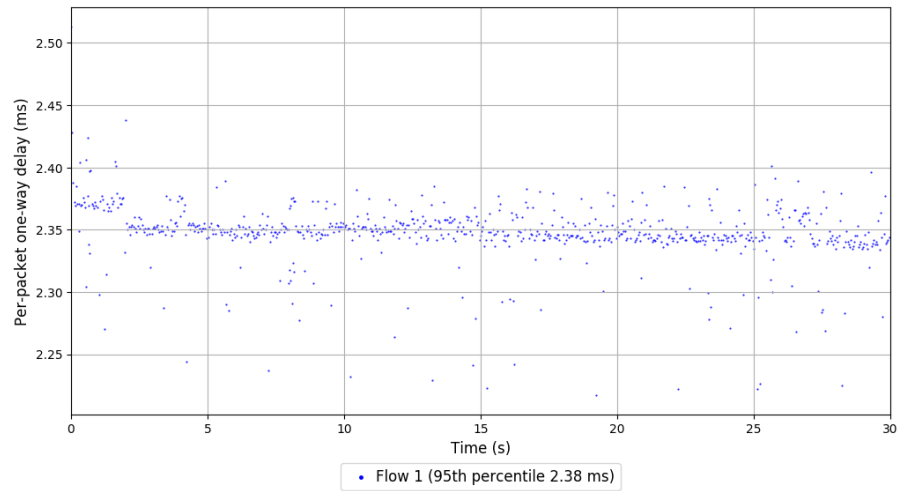
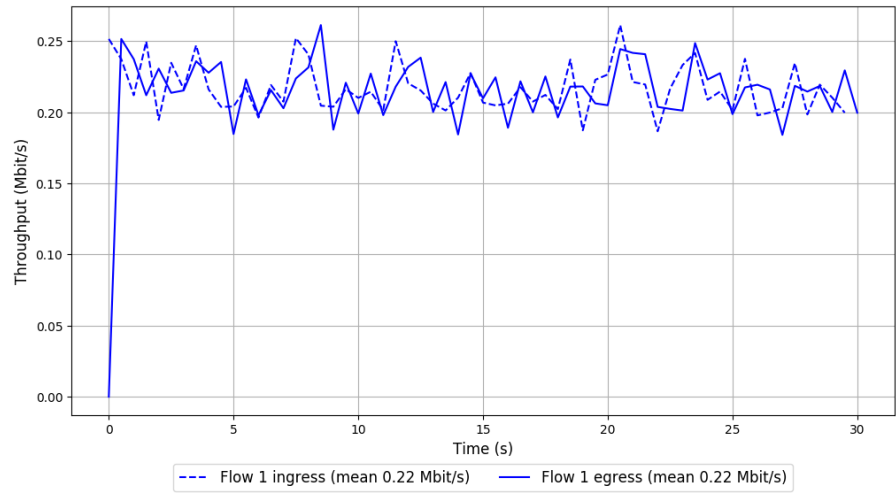
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.377 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

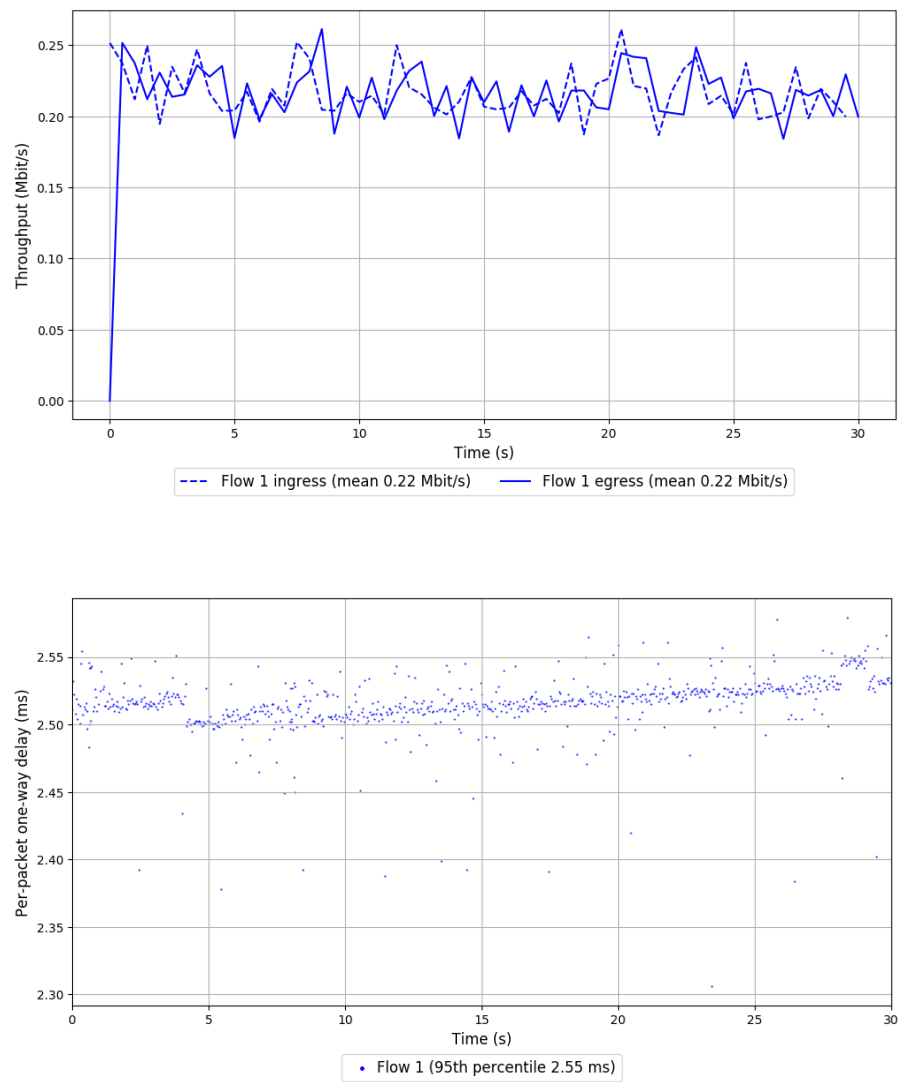


Run 9: Statistics of SCReAM

Start at: 2018-06-18 11:14:07
End at: 2018-06-18 11:14:37
Local clock offset: -2.704 ms
Remote clock offset: -2.546 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.546 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-18 11:32:03

End at: 2018-06-18 11:32:33

Local clock offset: -2.915 ms

Remote clock offset: -3.38 ms

Below is generated by plot.py at 2018-06-18 12:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.00%

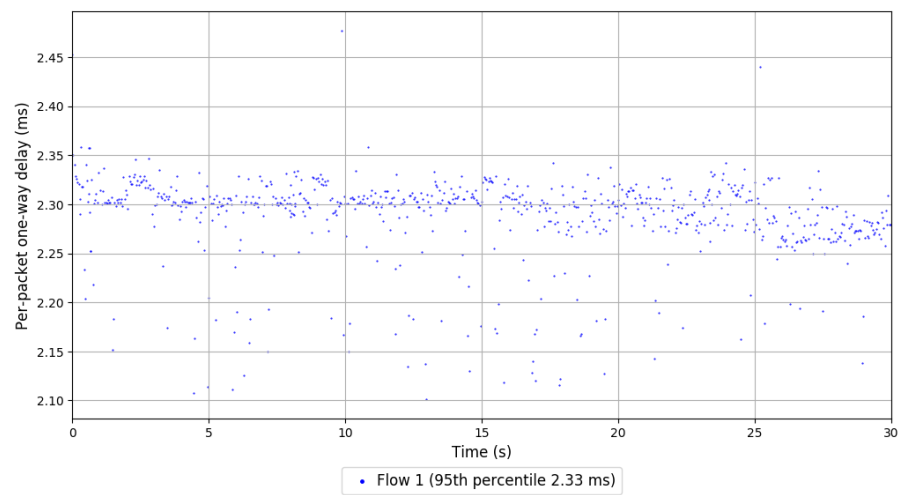
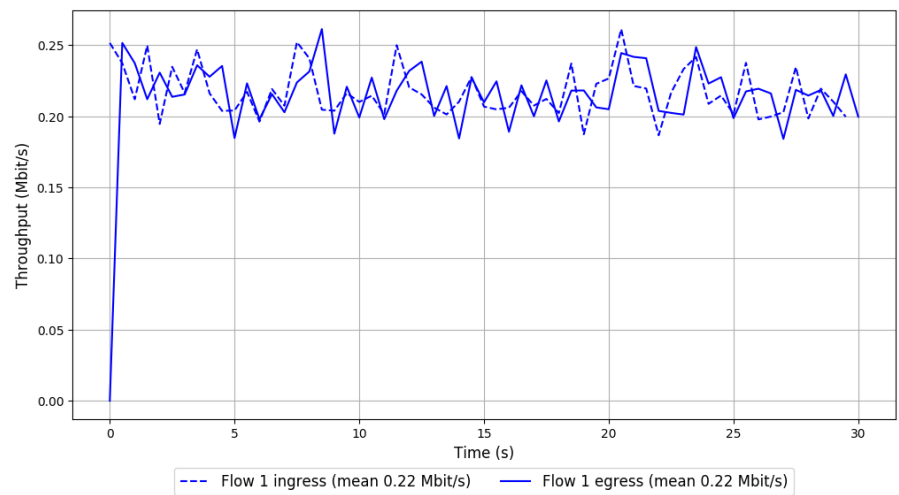
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

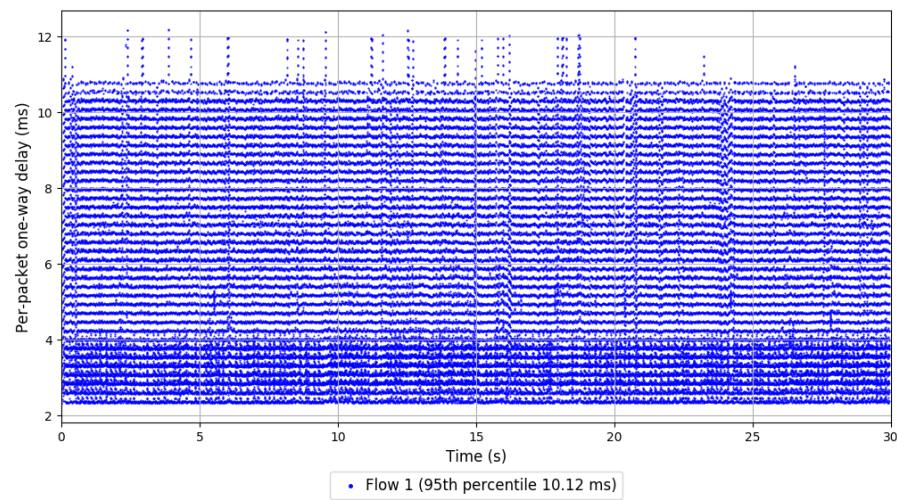
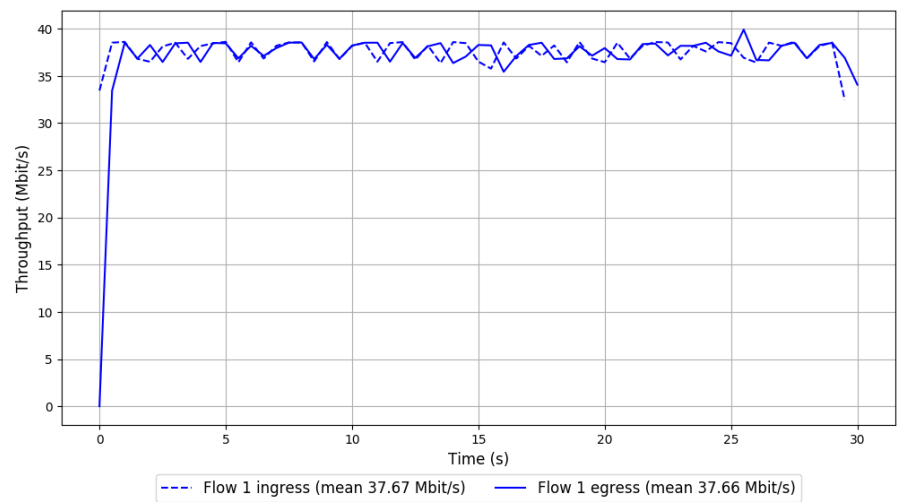


Run 1: Statistics of Sprout

Start at: 2018-06-18 08:55:07
End at: 2018-06-18 08:55:37
Local clock offset: -1.524 ms
Remote clock offset: -7.715 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 10.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 10.119 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

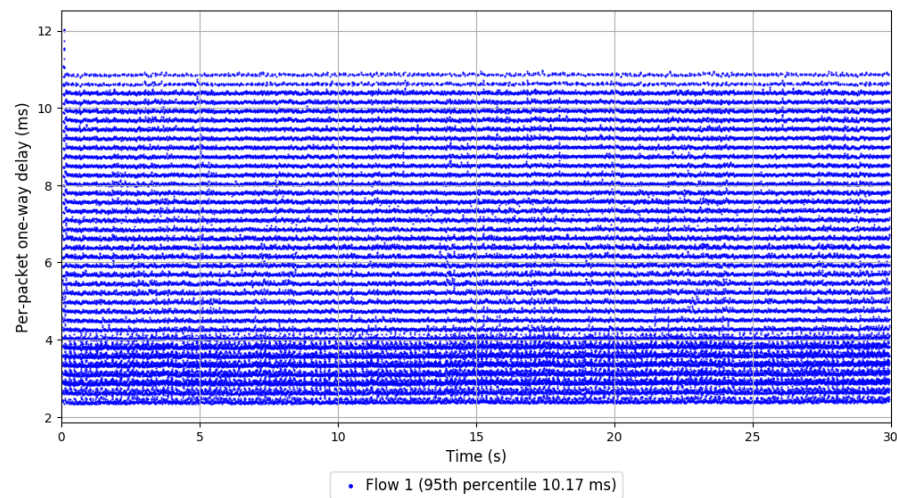
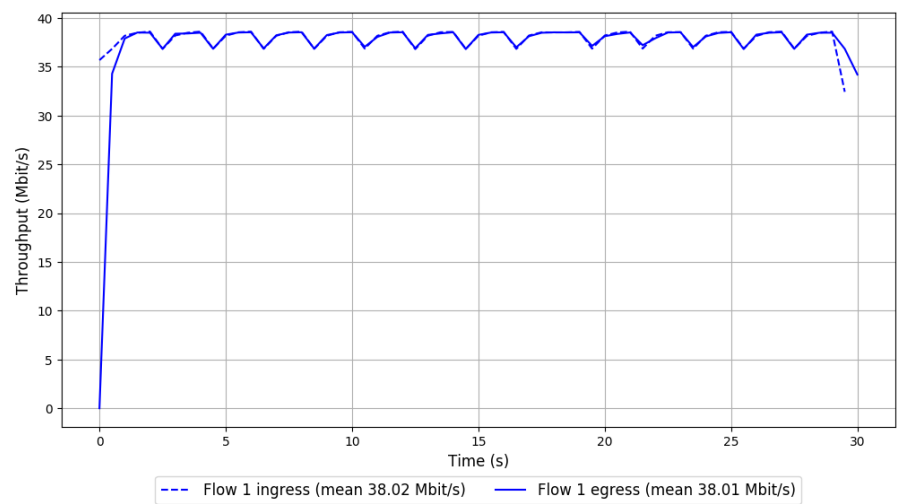


Run 2: Statistics of Sprout

Start at: 2018-06-18 09:13:02
End at: 2018-06-18 09:13:32
Local clock offset: -0.021 ms
Remote clock offset: -7.079 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 10.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 10.171 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

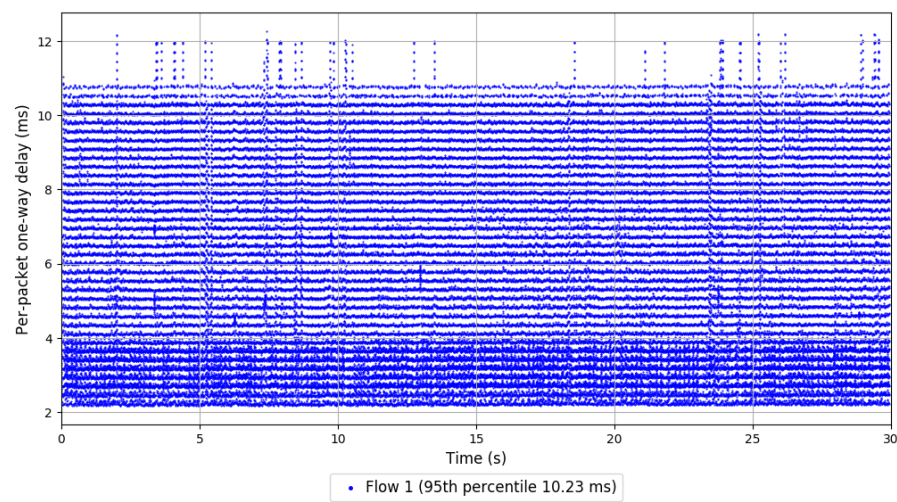
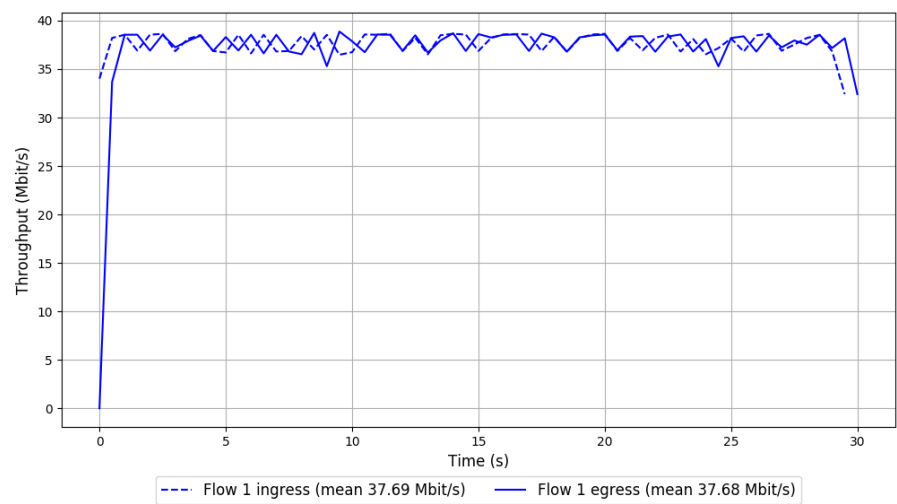


Run 3: Statistics of Sprout

Start at: 2018-06-18 09:30:57
End at: 2018-06-18 09:31:27
Local clock offset: 1.335 ms
Remote clock offset: -7.004 ms

Below is generated by plot.py at 2018-06-18 12:05:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 10.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 10.229 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

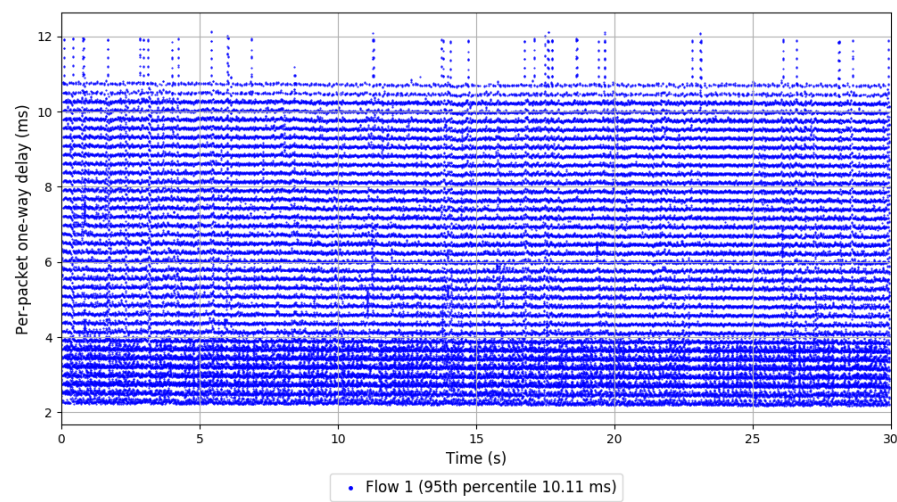
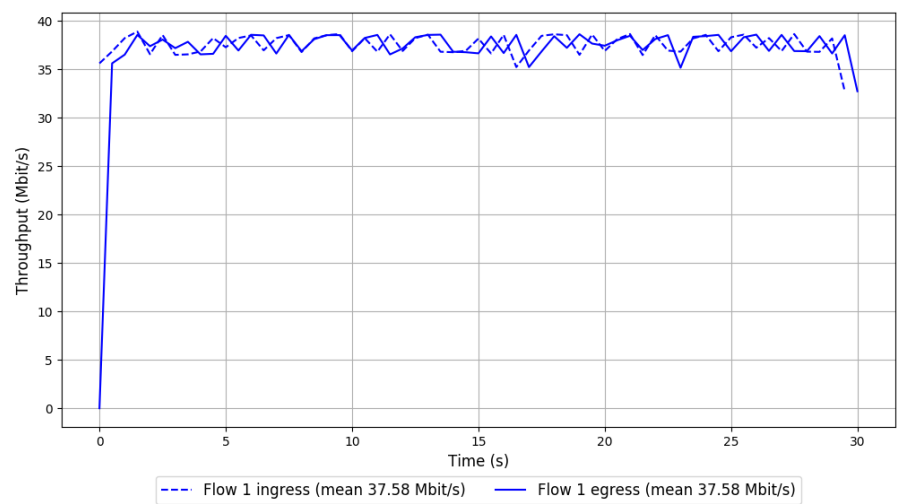


Run 4: Statistics of Sprout

Start at: 2018-06-18 09:48:53
End at: 2018-06-18 09:49:23
Local clock offset: -2.241 ms
Remote clock offset: -6.591 ms

Below is generated by plot.py at 2018-06-18 12:05:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 10.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 10.109 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

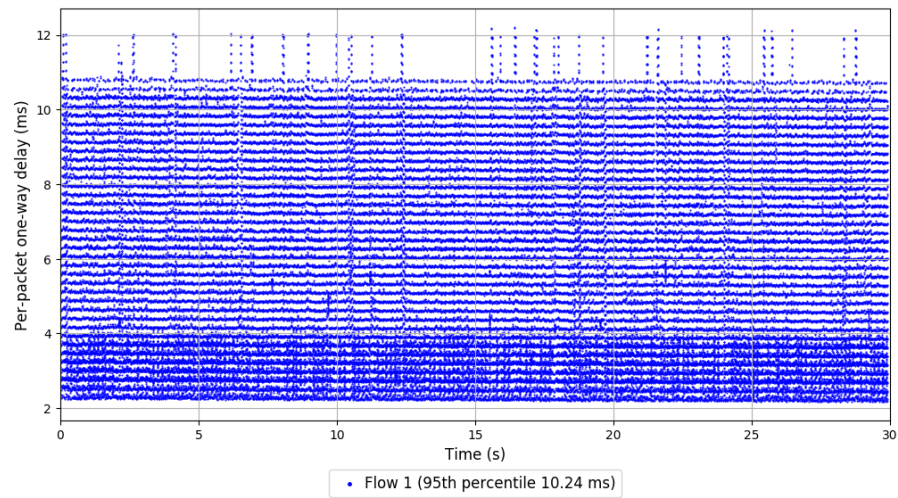
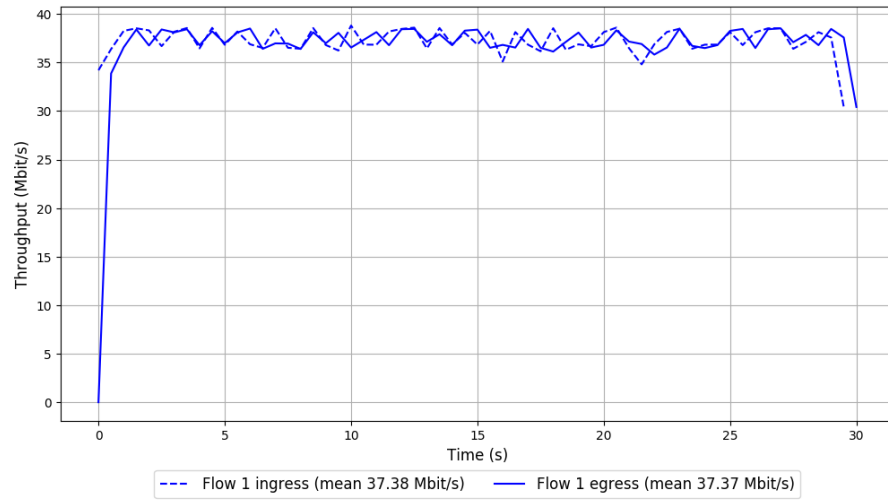


Run 5: Statistics of Sprout

Start at: 2018-06-18 10:06:48
End at: 2018-06-18 10:07:18
Local clock offset: -3.056 ms
Remote clock offset: -4.763 ms

Below is generated by plot.py at 2018-06-18 12:05:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 10.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 10.236 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

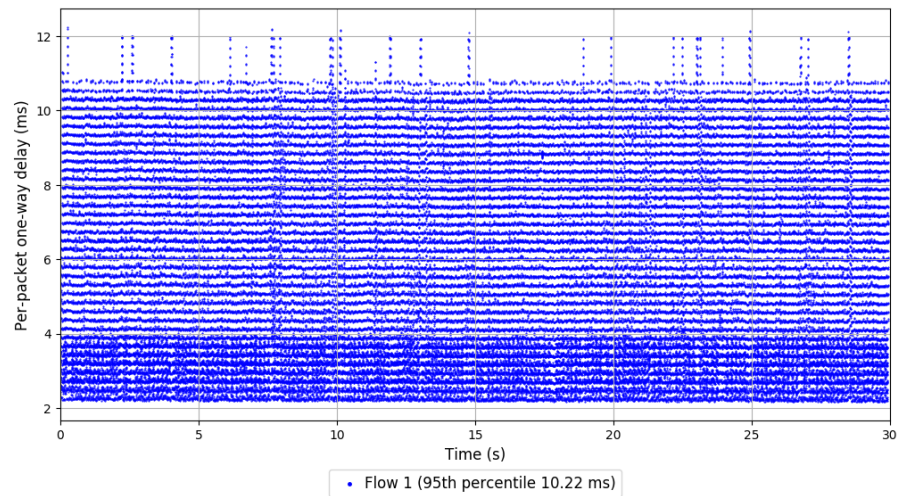
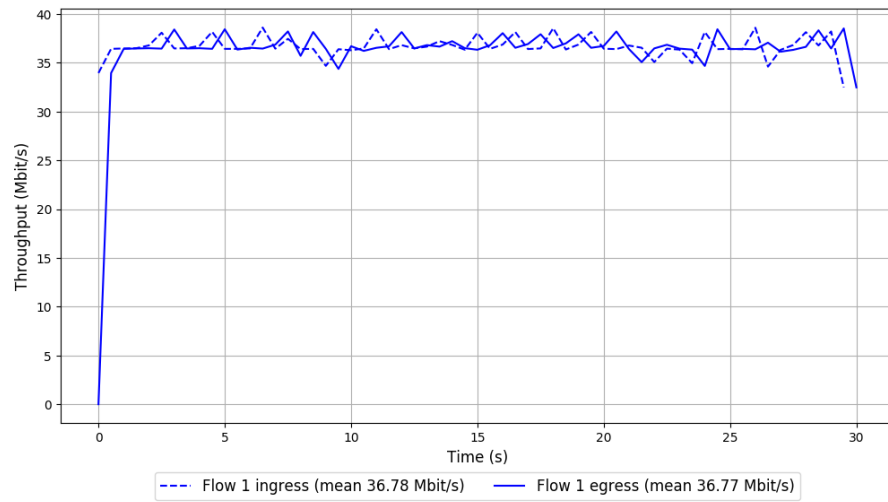


Run 6: Statistics of Sprout

Start at: 2018-06-18 10:24:43
End at: 2018-06-18 10:25:13
Local clock offset: -3.082 ms
Remote clock offset: -3.111 ms

Below is generated by plot.py at 2018-06-18 12:05:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 10.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 10.221 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

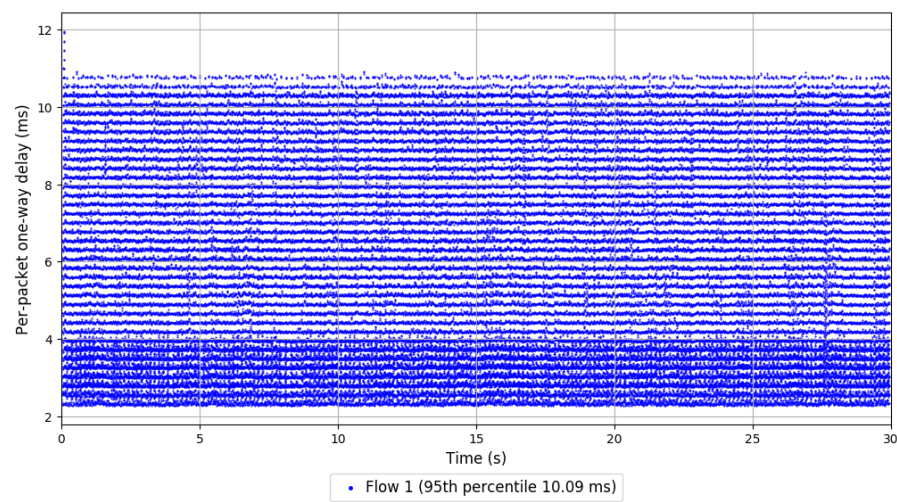
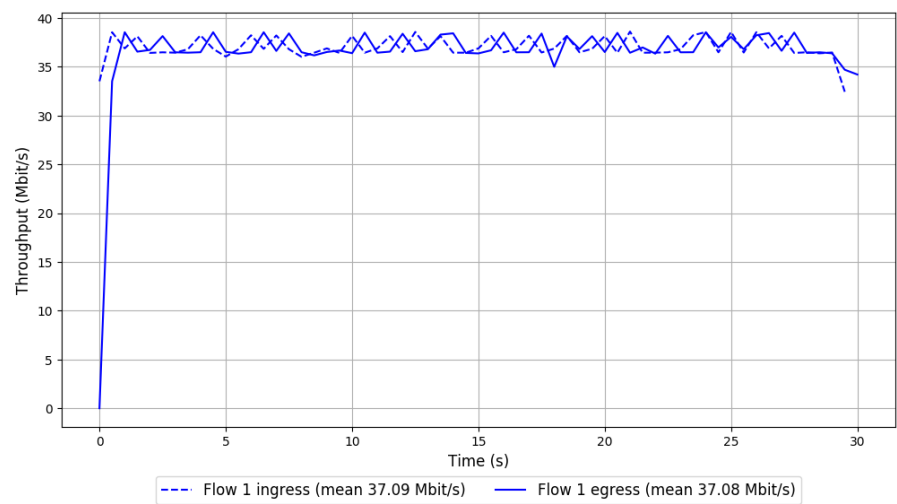


Run 7: Statistics of Sprout

Start at: 2018-06-18 10:42:40
End at: 2018-06-18 10:43:10
Local clock offset: -2.516 ms
Remote clock offset: -2.385 ms

Below is generated by plot.py at 2018-06-18 12:05:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 10.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 10.087 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

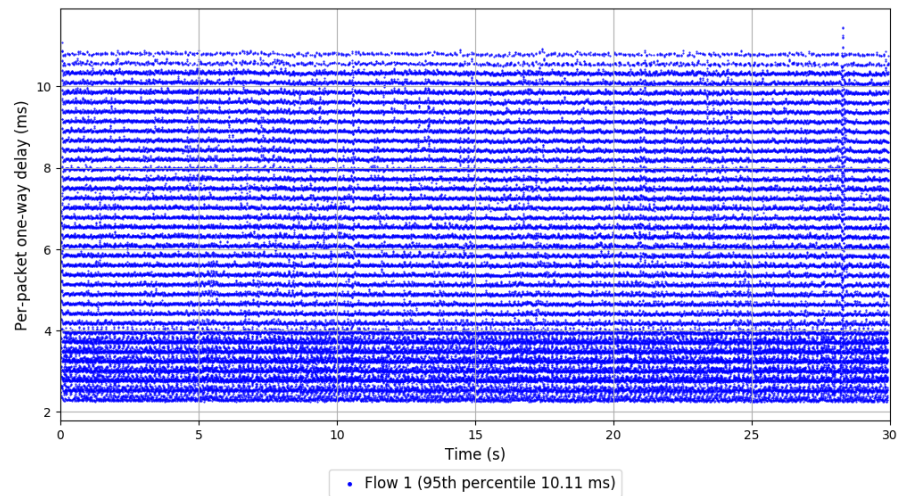
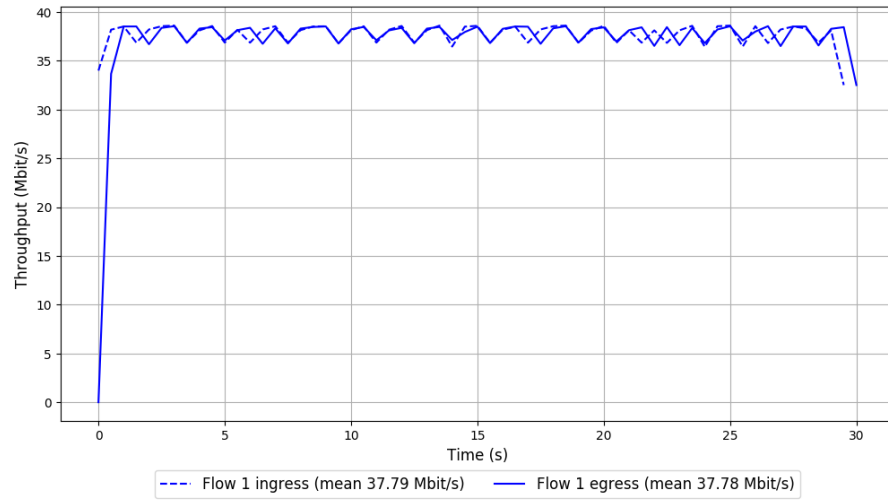


Run 8: Statistics of Sprout

Start at: 2018-06-18 11:00:40
End at: 2018-06-18 11:01:10
Local clock offset: -2.13 ms
Remote clock offset: -1.735 ms

Below is generated by plot.py at 2018-06-18 12:05:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 10.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 10.107 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

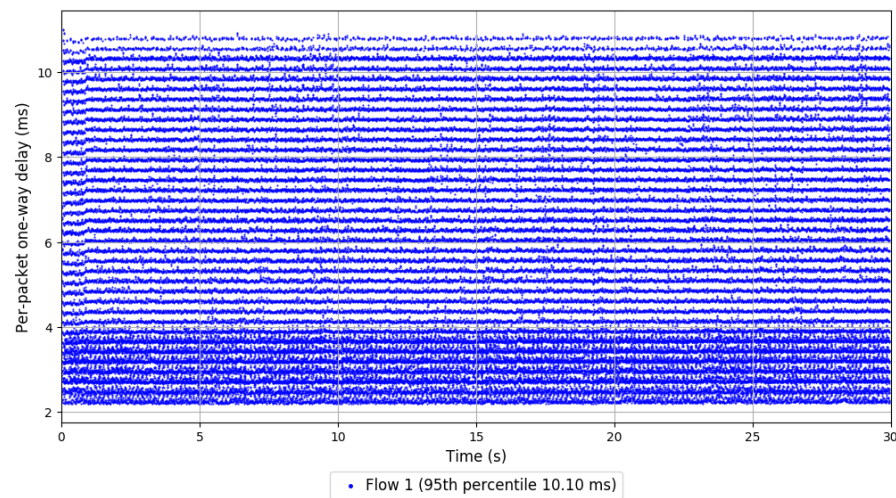
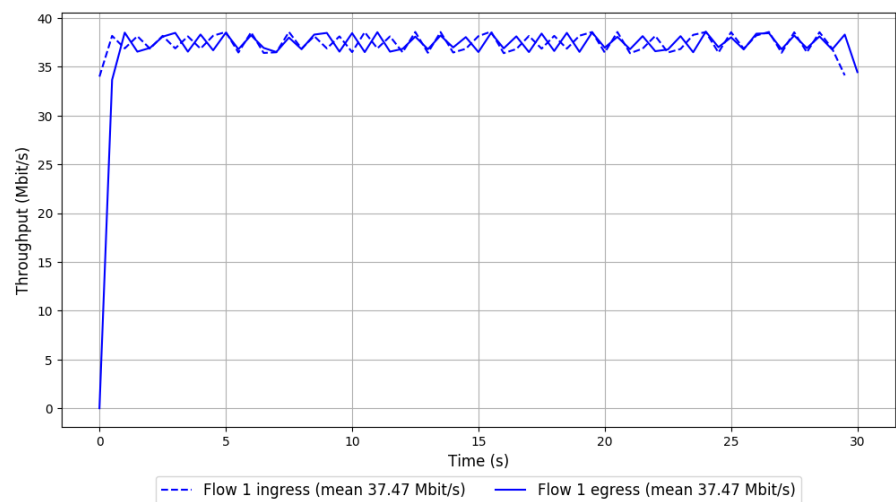


Run 9: Statistics of Sprout

Start at: 2018-06-18 11:18:35
End at: 2018-06-18 11:19:05
Local clock offset: -2.75 ms
Remote clock offset: -2.994 ms

Below is generated by plot.py at 2018-06-18 12:05:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 10.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 10.096 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

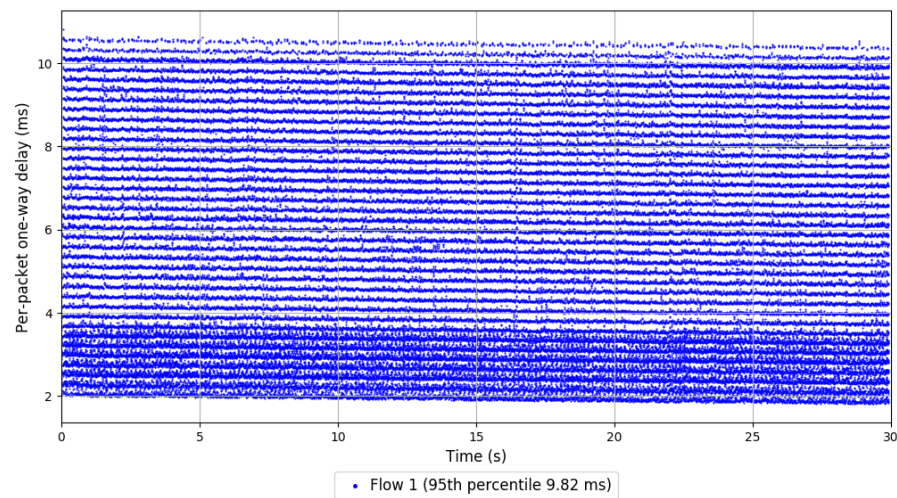
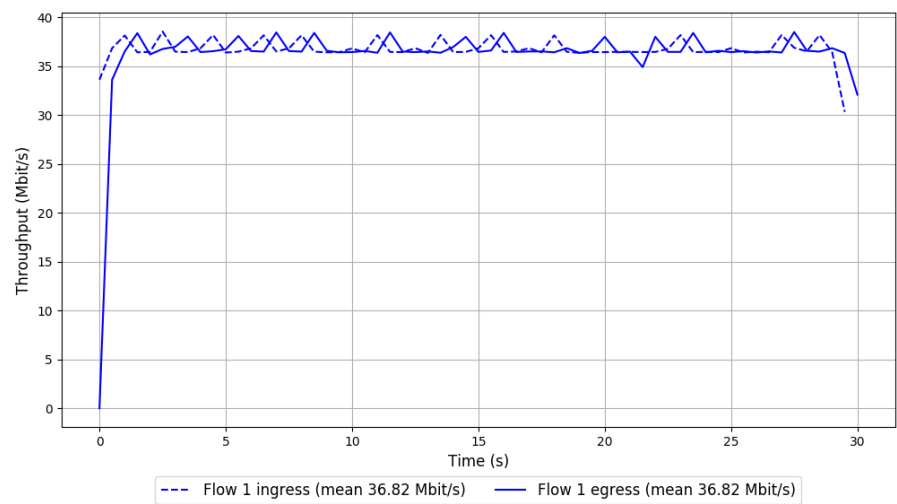


Run 10: Statistics of Sprout

Start at: 2018-06-18 11:36:32
End at: 2018-06-18 11:37:02
Local clock offset: -3.974 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-06-18 12:05:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 9.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 9.820 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-18 08:52:49

End at: 2018-06-18 08:53:19

Local clock offset: -1.695 ms

Remote clock offset: -7.91 ms

Below is generated by plot.py at 2018-06-18 12:07:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 3.176 ms

Loss rate: 0.00%

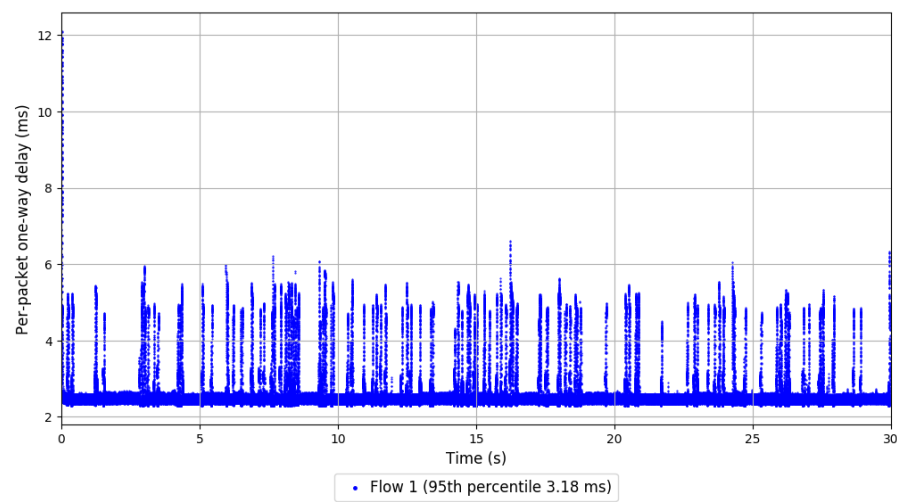
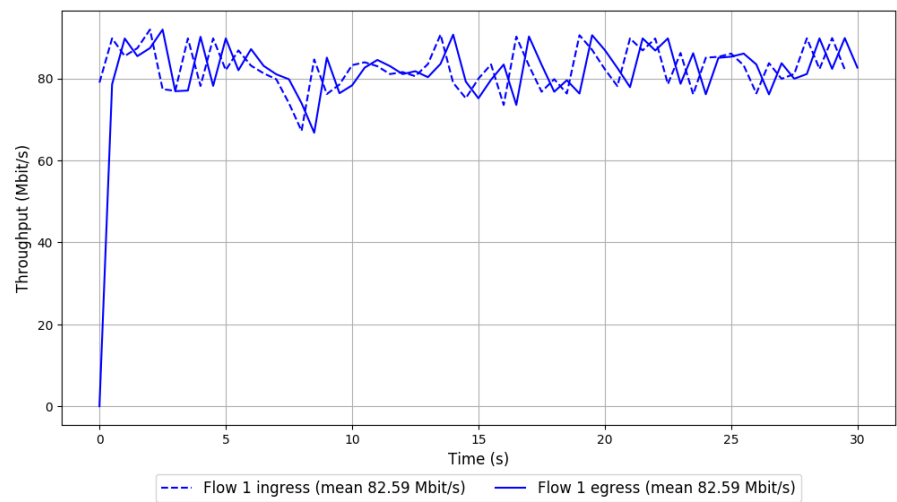
-- Flow 1:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 3.176 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-18 09:10:43

End at: 2018-06-18 09:11:13

Local clock offset: -0.235 ms

Remote clock offset: -7.22 ms

Below is generated by plot.py at 2018-06-18 12:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.26 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

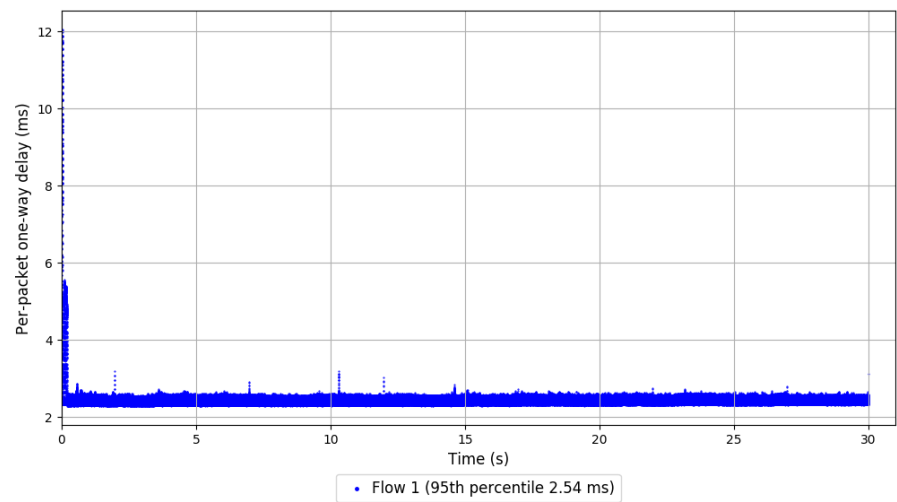
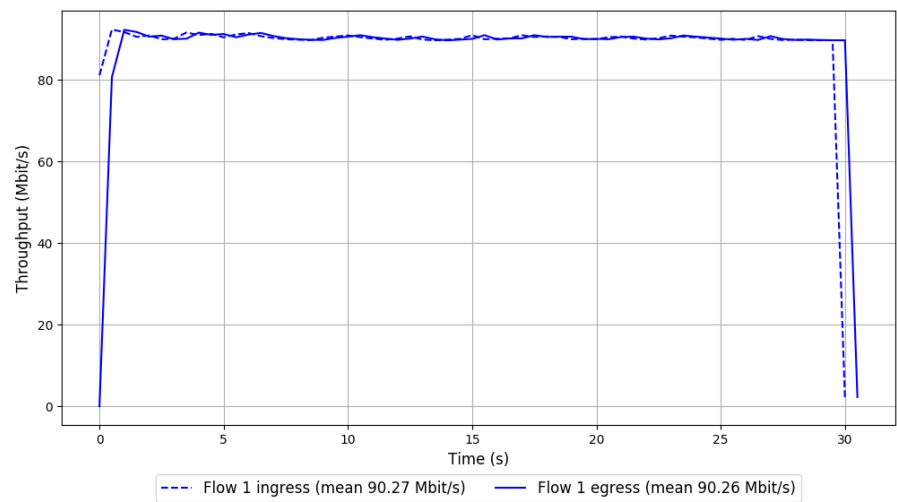
-- Flow 1:

Average throughput: 90.26 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-18 09:28:39

End at: 2018-06-18 09:29:09

Local clock offset: 1.107 ms

Remote clock offset: -6.999 ms

Below is generated by plot.py at 2018-06-18 12:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 2.587 ms

Loss rate: 0.00%

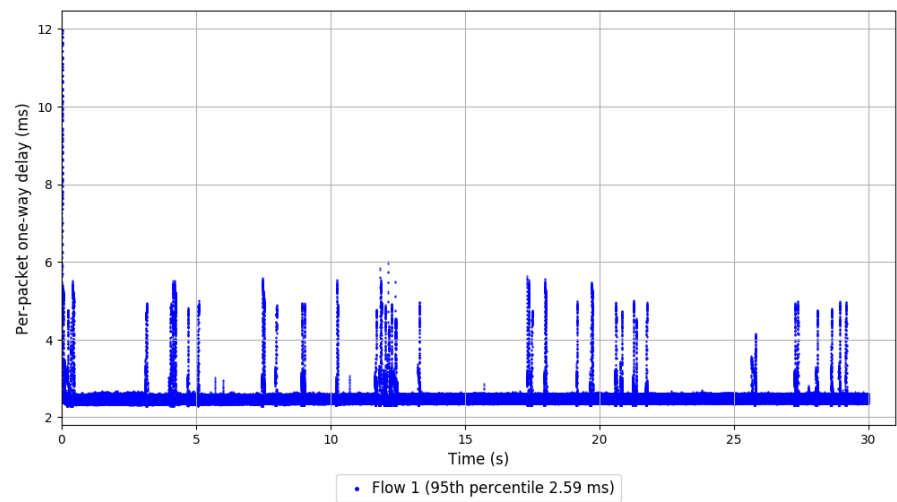
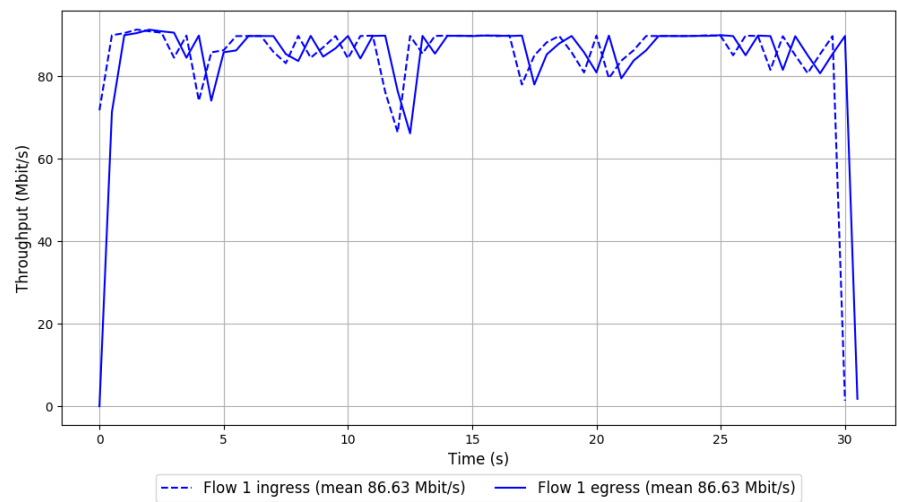
-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 2.587 ms

Loss rate: 0.00%

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

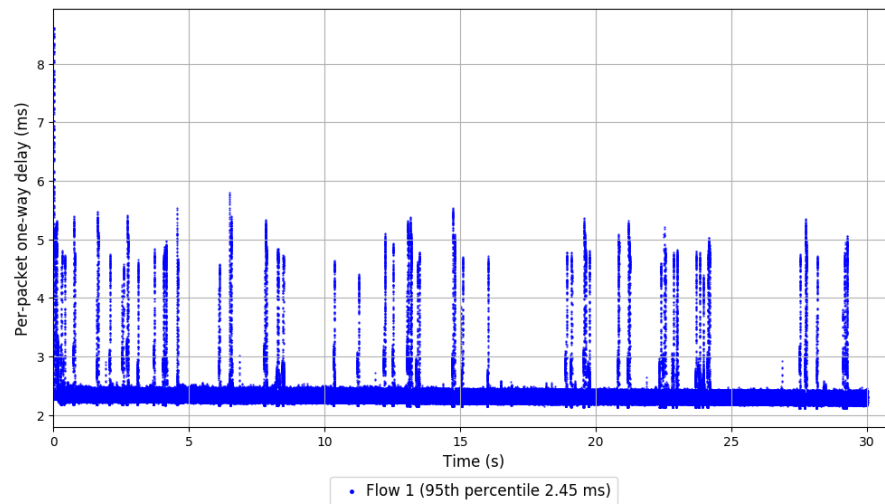
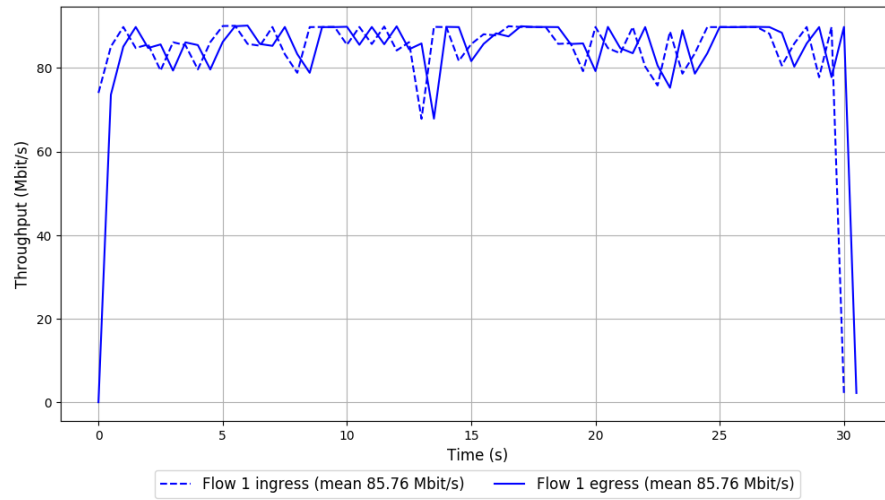


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-18 09:46:35
End at: 2018-06-18 09:47:05
Local clock offset: -1.966 ms
Remote clock offset: -6.637 ms

Below is generated by plot.py at 2018-06-18 12:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.76 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.76 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%

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

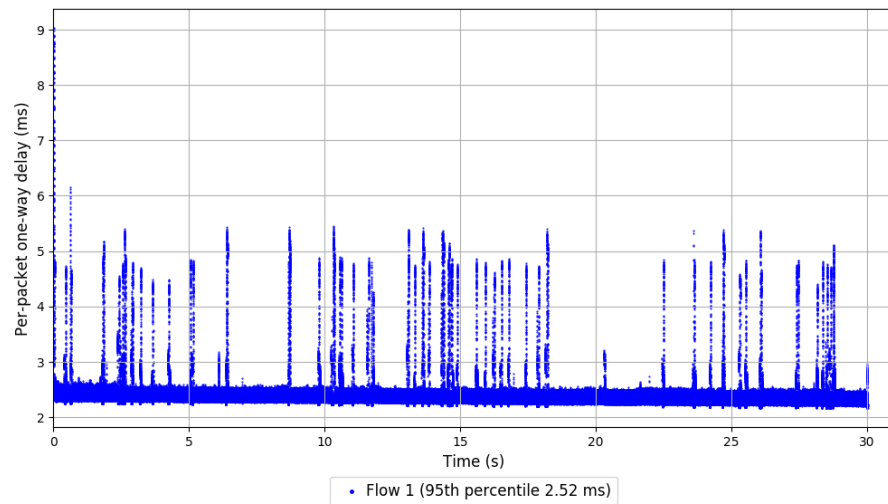
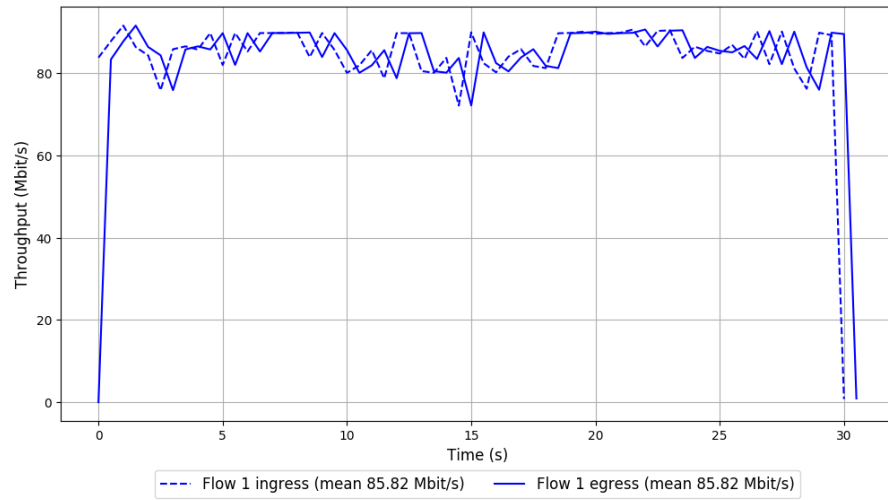


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-18 10:04:30
End at: 2018-06-18 10:05:00
Local clock offset: -3.093 ms
Remote clock offset: -5.191 ms

Below is generated by plot.py at 2018-06-18 12:07:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.00%

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

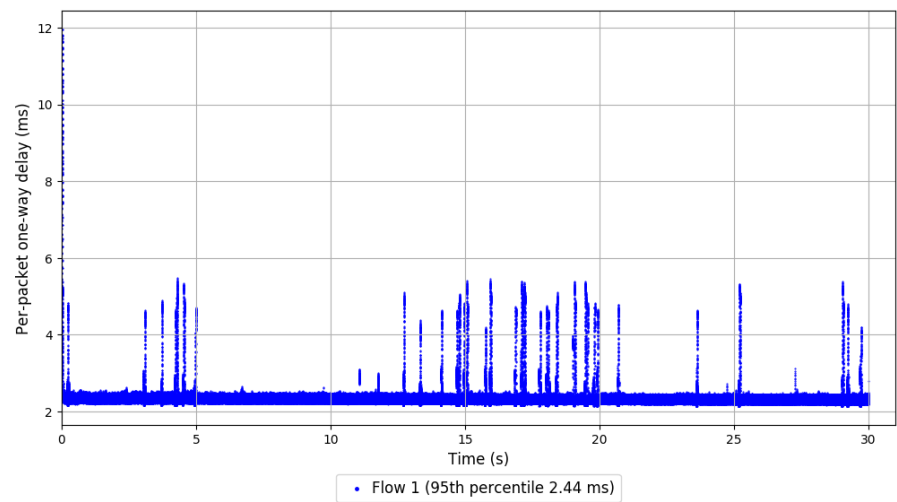
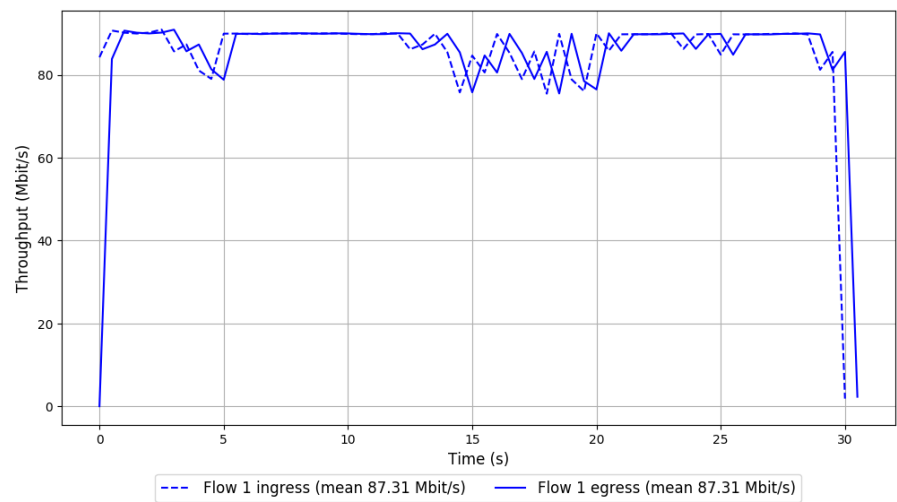


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-18 10:22:25
End at: 2018-06-18 10:22:55
Local clock offset: -3.053 ms
Remote clock offset: -3.241 ms

Below is generated by plot.py at 2018-06-18 12:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.00%

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

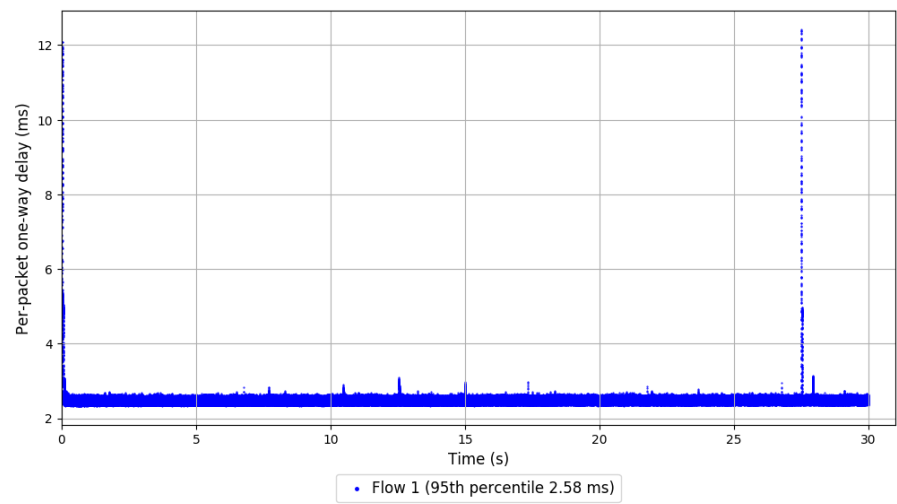
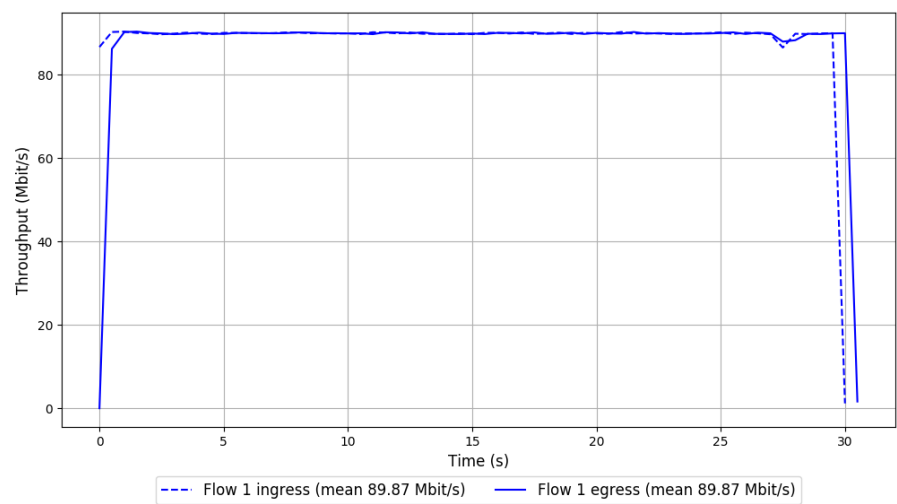


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-18 10:40:21
End at: 2018-06-18 10:40:51
Local clock offset: -2.646 ms
Remote clock offset: -2.441 ms

Below is generated by plot.py at 2018-06-18 12:07:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.00%

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

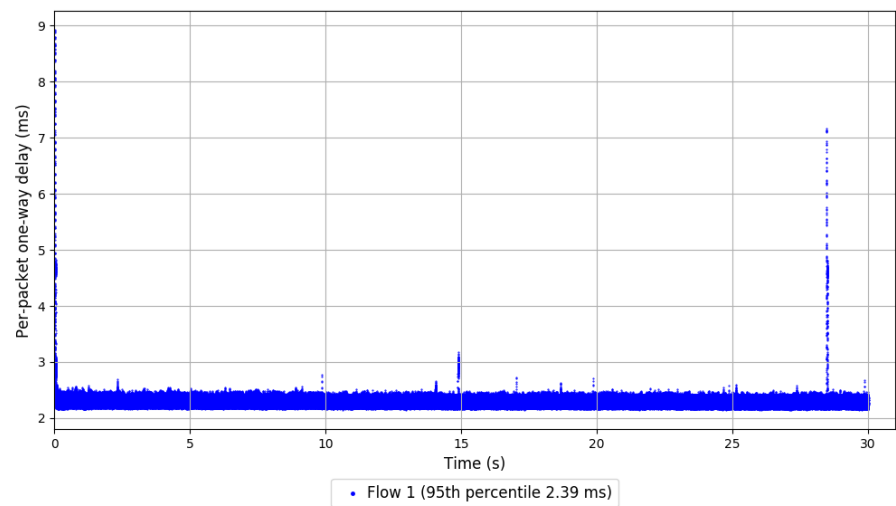
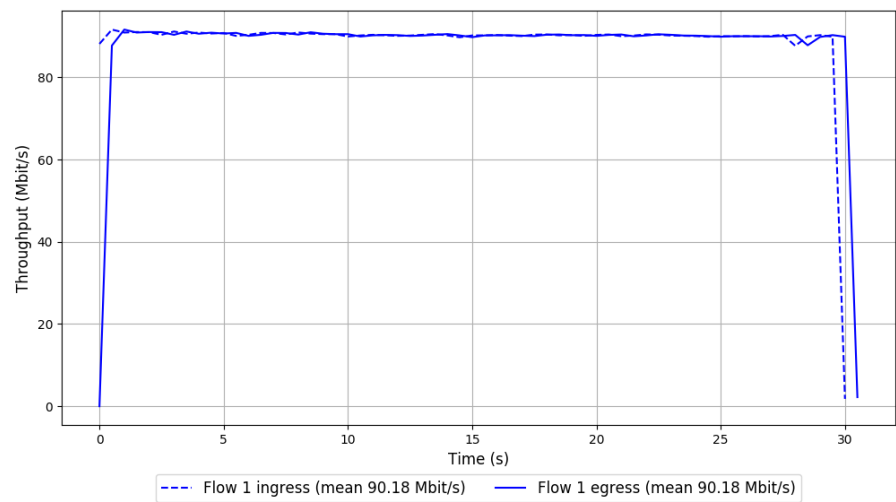


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-18 10:58:21
End at: 2018-06-18 10:58:51
Local clock offset: -2.138 ms
Remote clock offset: -1.936 ms

Below is generated by plot.py at 2018-06-18 12:07:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-18 11:16:17

End at: 2018-06-18 11:16:47

Local clock offset: -2.759 ms

Remote clock offset: -2.85 ms

Below is generated by plot.py at 2018-06-18 12:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 2.516 ms

Loss rate: 0.00%

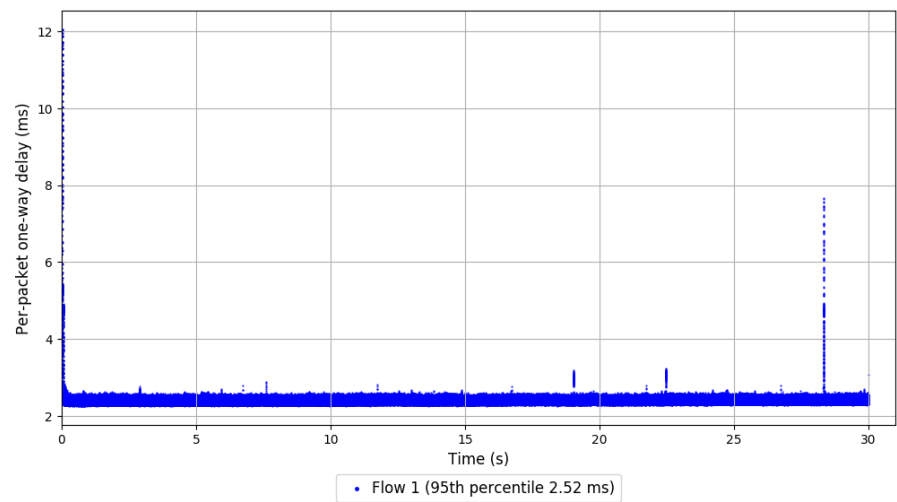
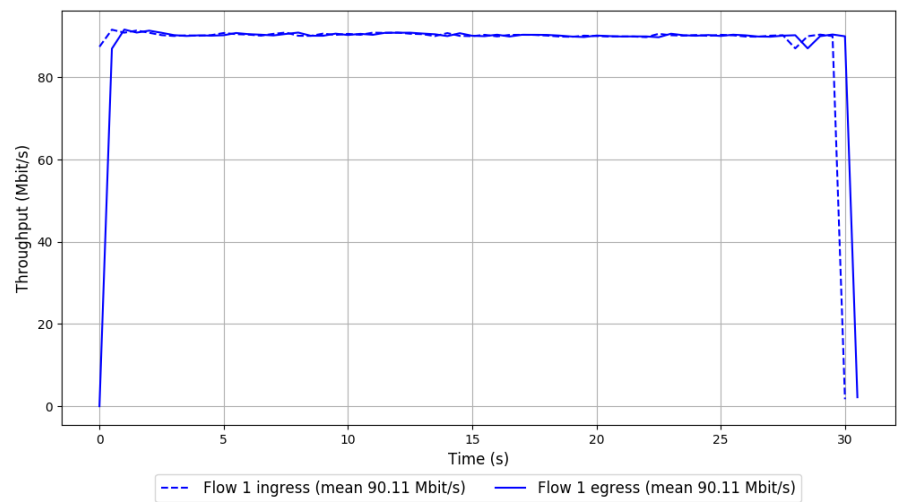
-- Flow 1:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 2.516 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-18 11:34:13

End at: 2018-06-18 11:34:43

Local clock offset: -2.946 ms

Remote clock offset: -3.333 ms

Below is generated by plot.py at 2018-06-18 12:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

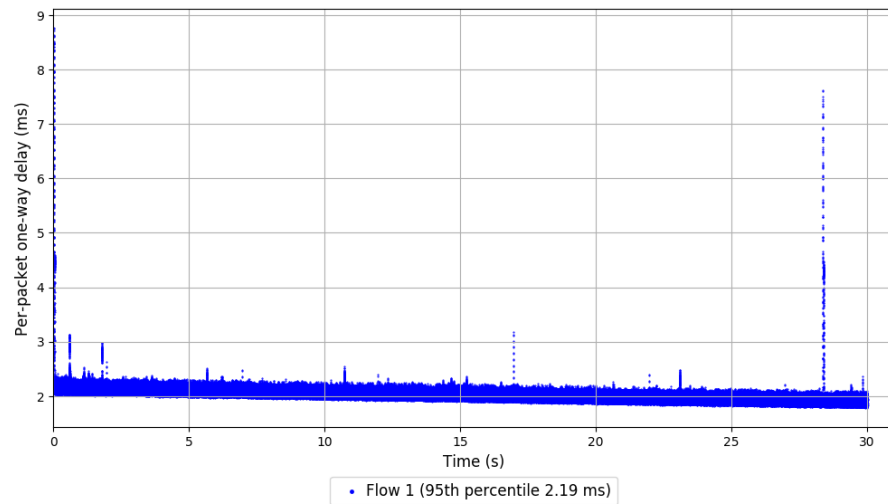
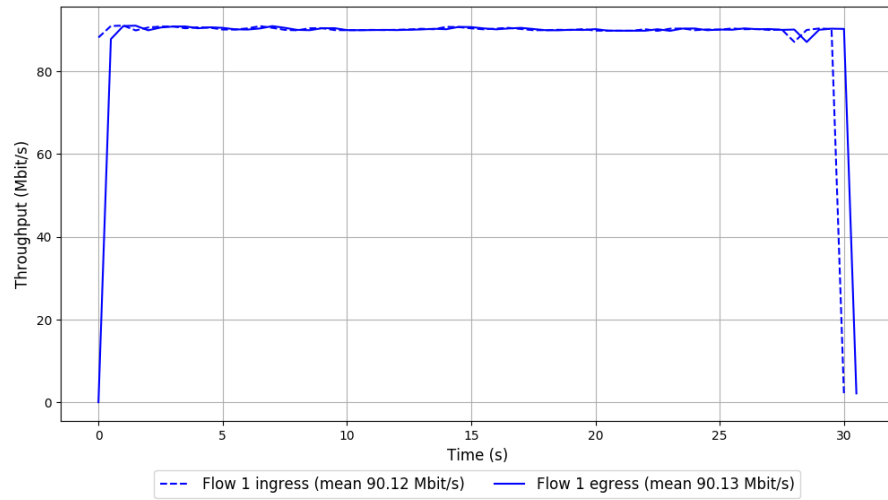
-- Flow 1:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

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

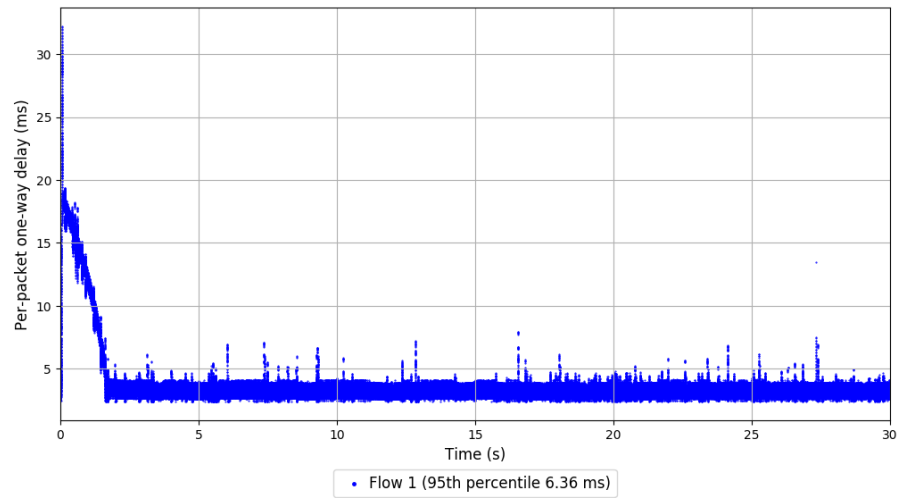
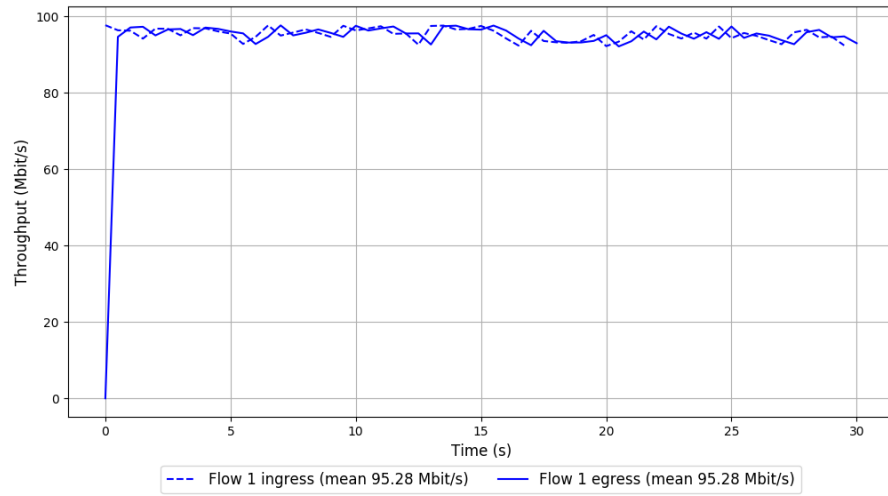


Run 1: Statistics of TCP Vegas

Start at: 2018-06-18 09:00:42
End at: 2018-06-18 09:01:12
Local clock offset: -1.054 ms
Remote clock offset: -7.375 ms

Below is generated by plot.py at 2018-06-18 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 6.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 6.362 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-18 09:18:37

End at: 2018-06-18 09:19:07

Local clock offset: 0.415 ms

Remote clock offset: -7.07 ms

Below is generated by plot.py at 2018-06-18 12:09:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 3.927 ms

Loss rate: 0.00%

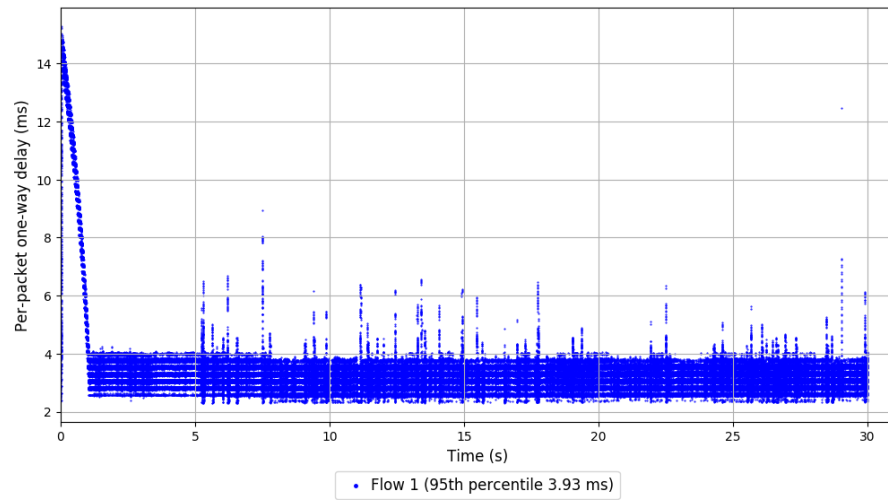
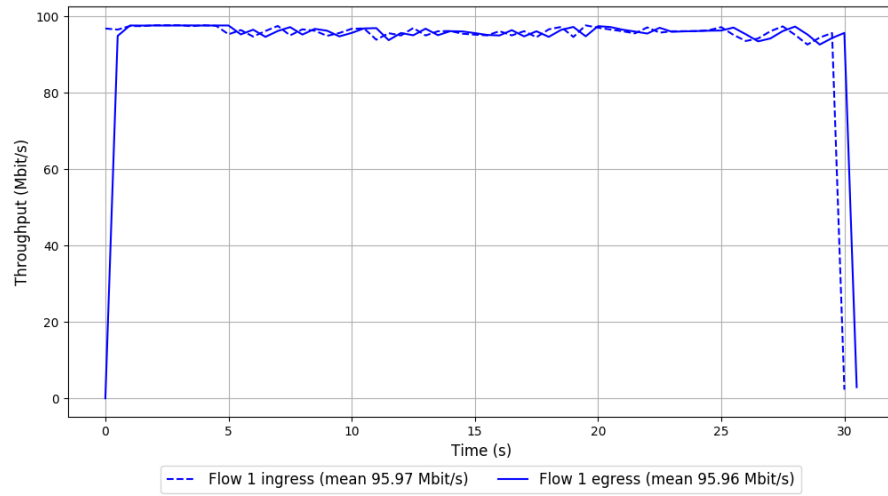
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 3.927 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

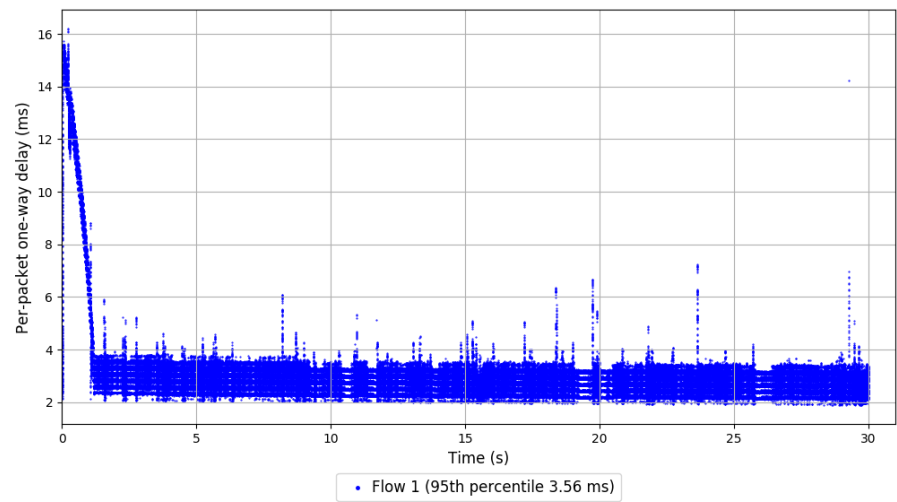
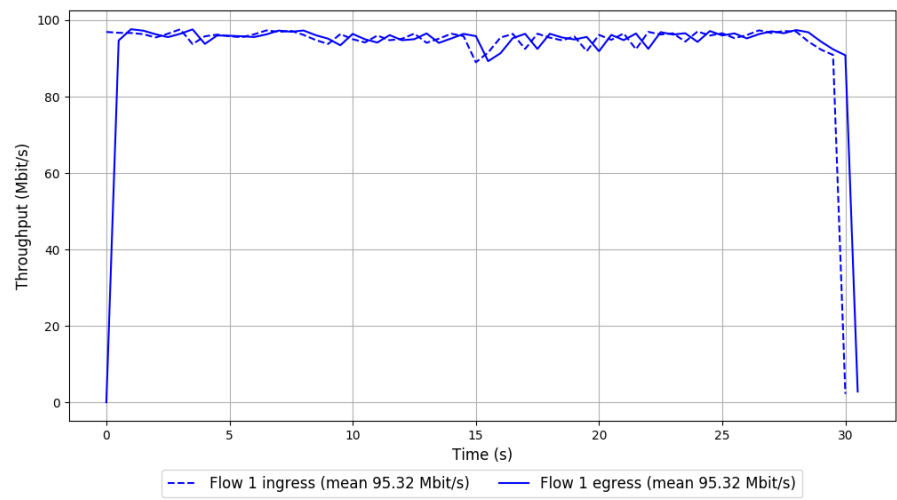


Run 3: Statistics of TCP Vegas

Start at: 2018-06-18 09:36:32
End at: 2018-06-18 09:37:02
Local clock offset: 0.464 ms
Remote clock offset: -6.824 ms

Below is generated by plot.py at 2018-06-18 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 3.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 3.563 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

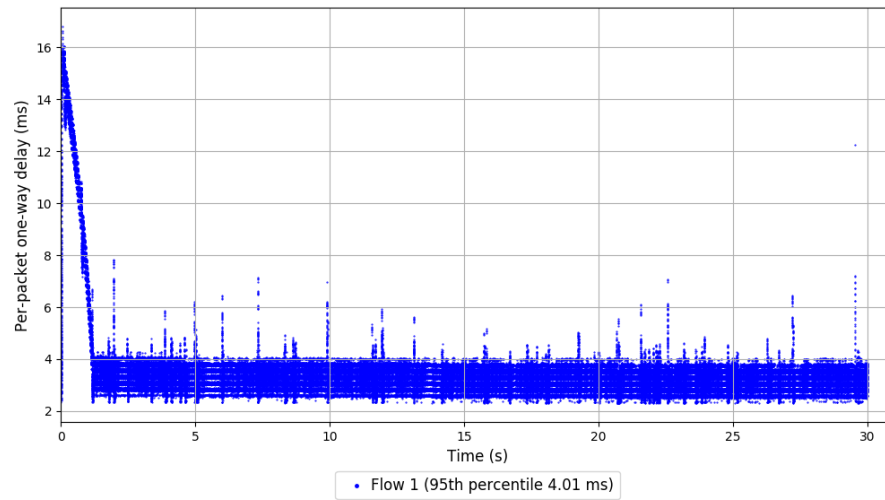
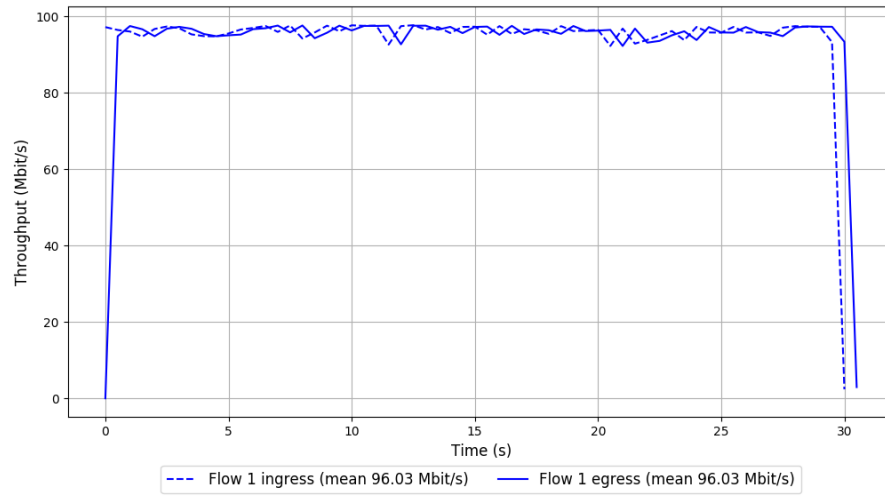


Run 4: Statistics of TCP Vegas

Start at: 2018-06-18 09:54:28
End at: 2018-06-18 09:54:58
Local clock offset: -2.773 ms
Remote clock offset: -6.542 ms

Below is generated by plot.py at 2018-06-18 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 4.011 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

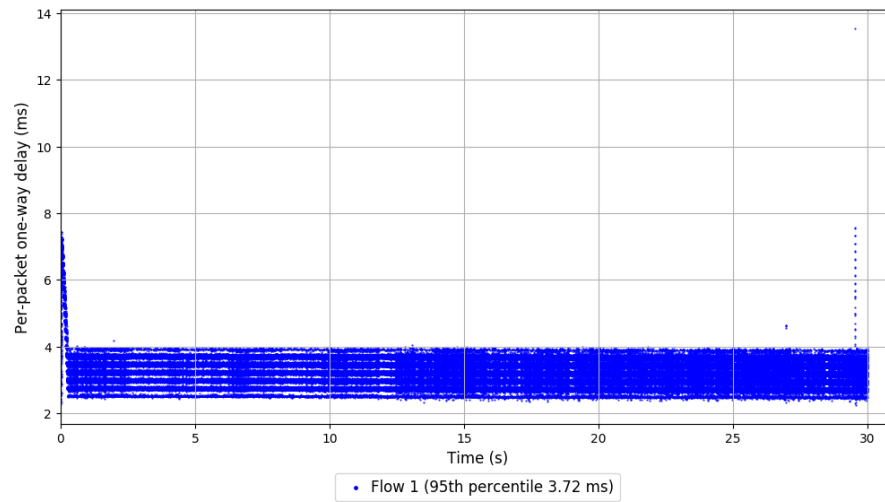
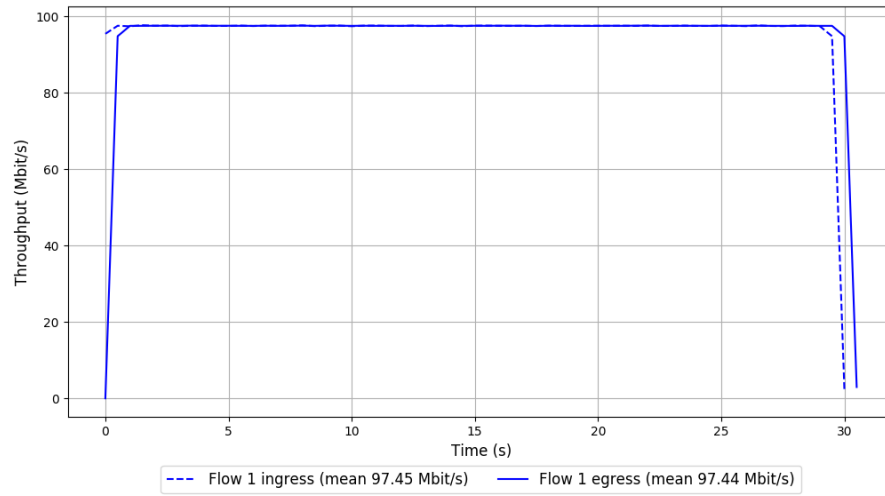


Run 5: Statistics of TCP Vegas

Start at: 2018-06-18 10:12:23
End at: 2018-06-18 10:12:53
Local clock offset: -3.023 ms
Remote clock offset: -4.005 ms

Below is generated by plot.py at 2018-06-18 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.724 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

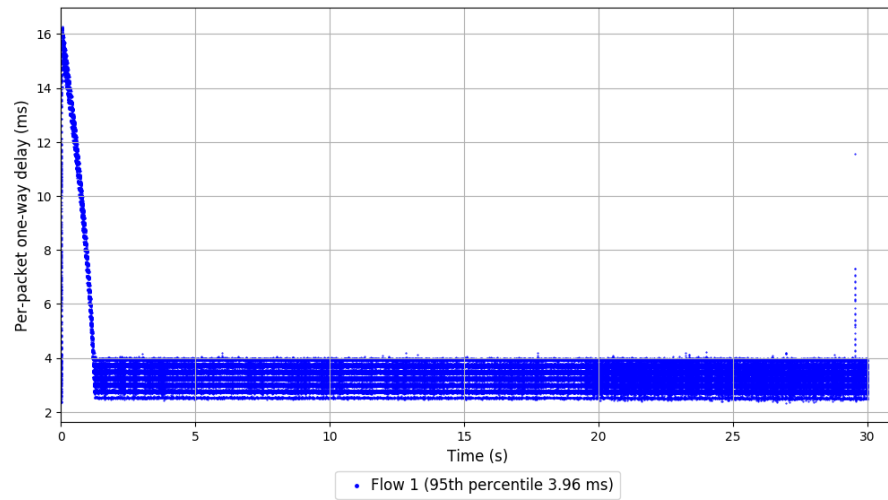
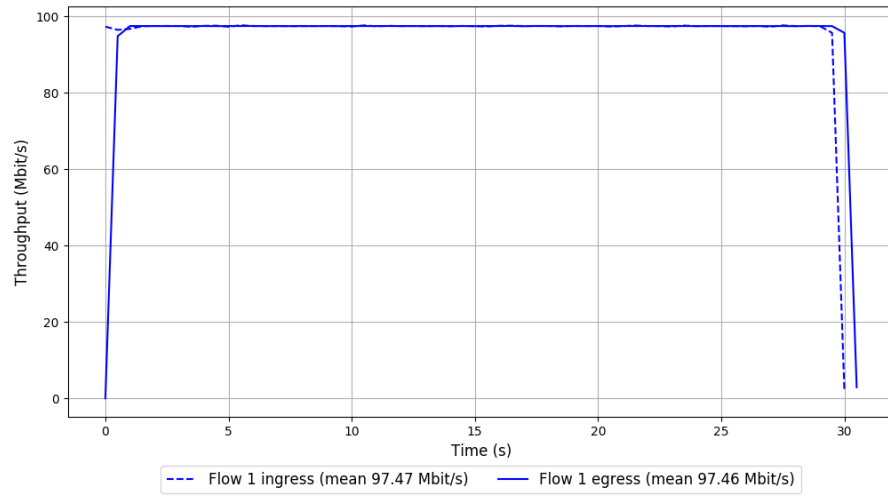


Run 6: Statistics of TCP Vegas

Start at: 2018-06-18 10:30:19
End at: 2018-06-18 10:30:49
Local clock offset: -3.093 ms
Remote clock offset: -2.725 ms

Below is generated by plot.py at 2018-06-18 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

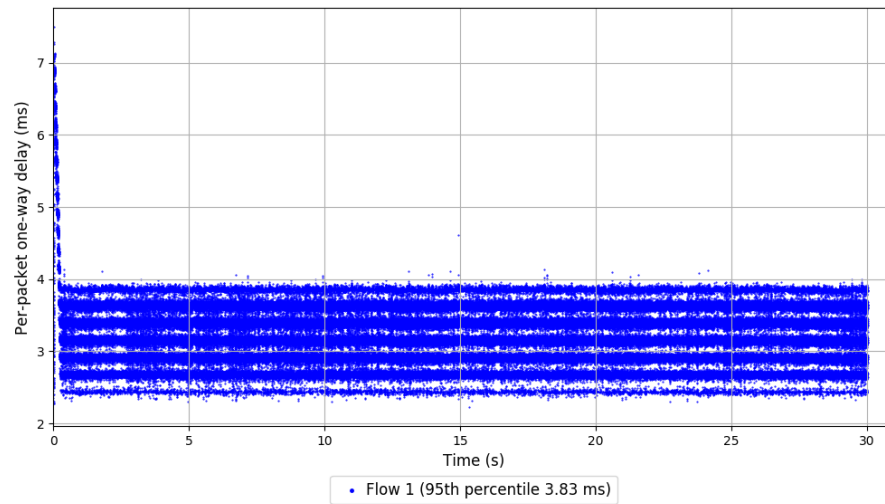
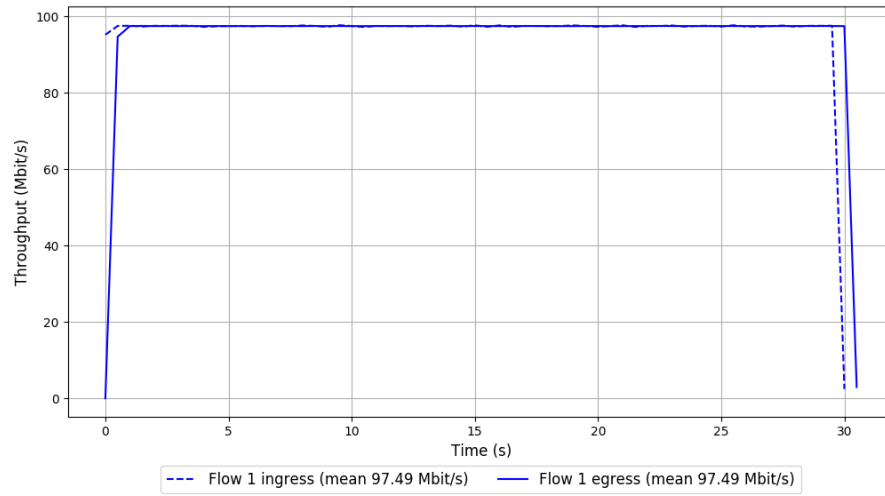


Run 7: Statistics of TCP Vegas

Start at: 2018-06-18 10:48:19
End at: 2018-06-18 10:48:49
Local clock offset: -2.31 ms
Remote clock offset: -2.279 ms

Below is generated by plot.py at 2018-06-18 12:09:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.829 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-18 11:06:15

End at: 2018-06-18 11:06:45

Local clock offset: -2.261 ms

Remote clock offset: -1.53 ms

Below is generated by plot.py at 2018-06-18 12:09:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 6.716 ms

Loss rate: 0.00%

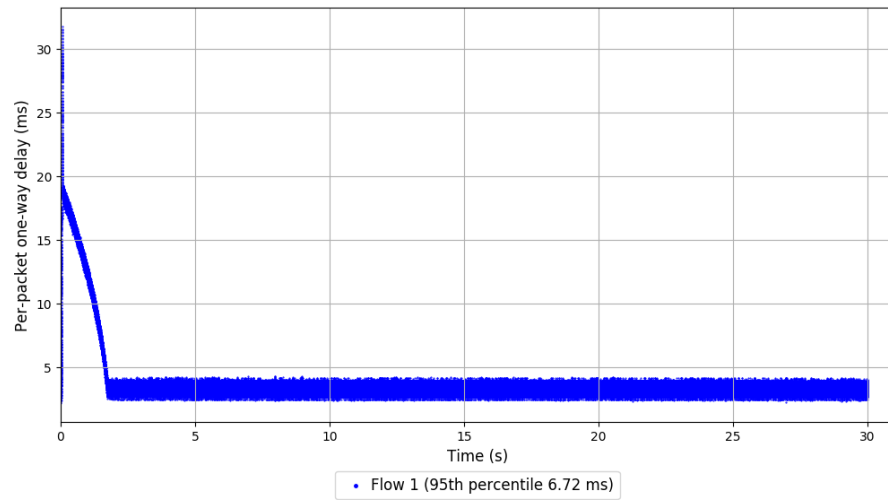
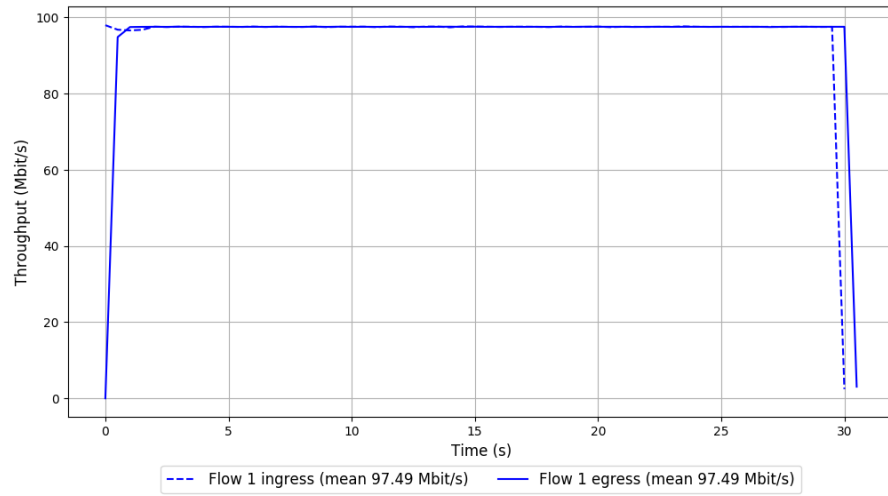
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 6.716 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

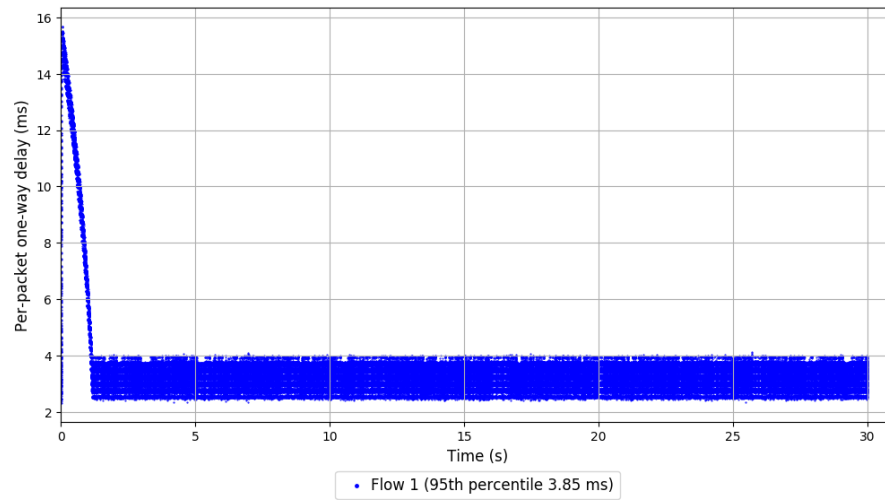
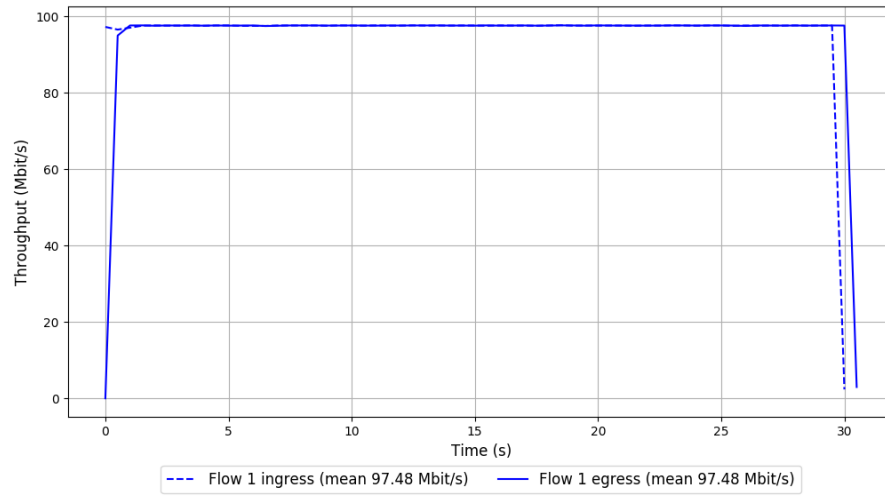


Run 9: Statistics of TCP Vegas

Start at: 2018-06-18 11:24:11
End at: 2018-06-18 11:24:41
Local clock offset: -2.838 ms
Remote clock offset: -3.154 ms

Below is generated by plot.py at 2018-06-18 12:09:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

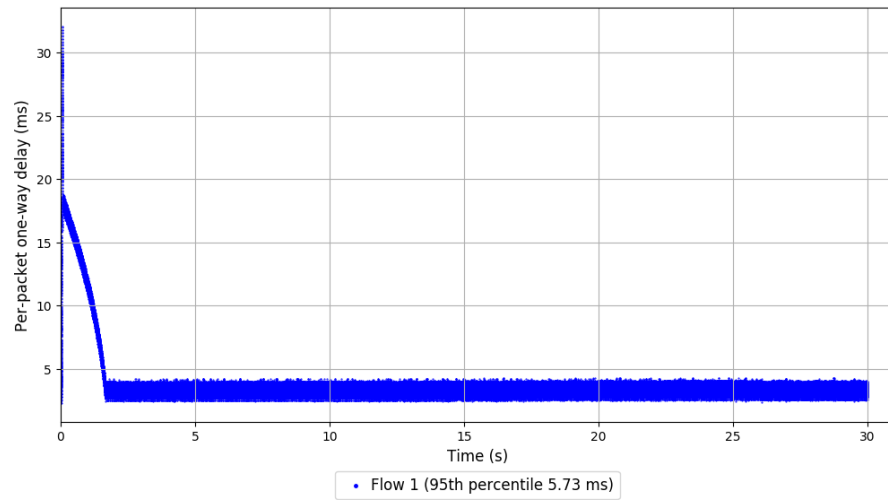
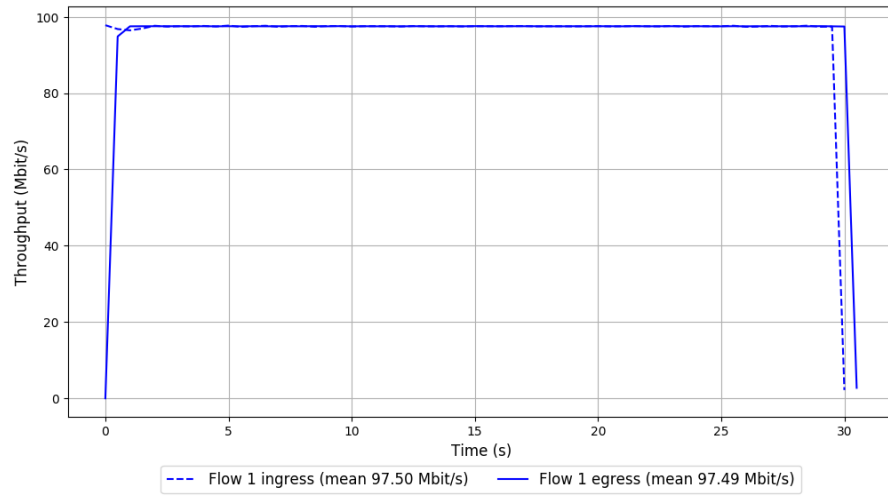


Run 10: Statistics of TCP Vegas

Start at: 2018-06-18 11:42:07
End at: 2018-06-18 11:42:37
Local clock offset: -5.788 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-06-18 12:09:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.727 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-18 08:49:34

End at: 2018-06-18 08:50:04

Local clock offset: -2.027 ms

Remote clock offset: -8.06 ms

Below is generated by plot.py at 2018-06-18 12:10:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 11.008 ms

Loss rate: 0.88%

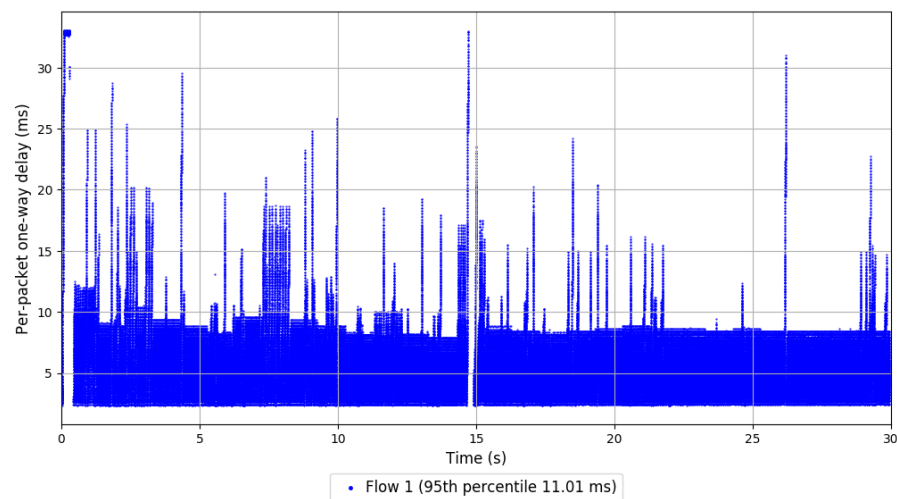
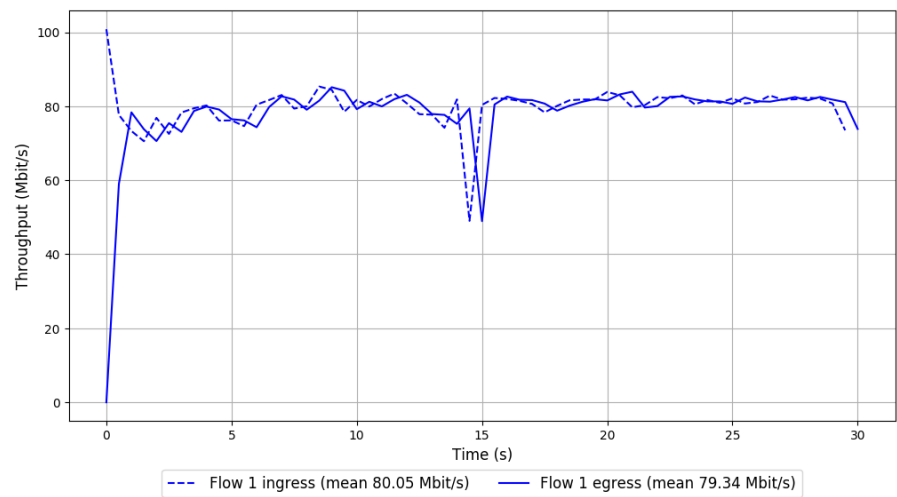
-- Flow 1:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 11.008 ms

Loss rate: 0.88%

Run 1: Report of Verus — Data Link

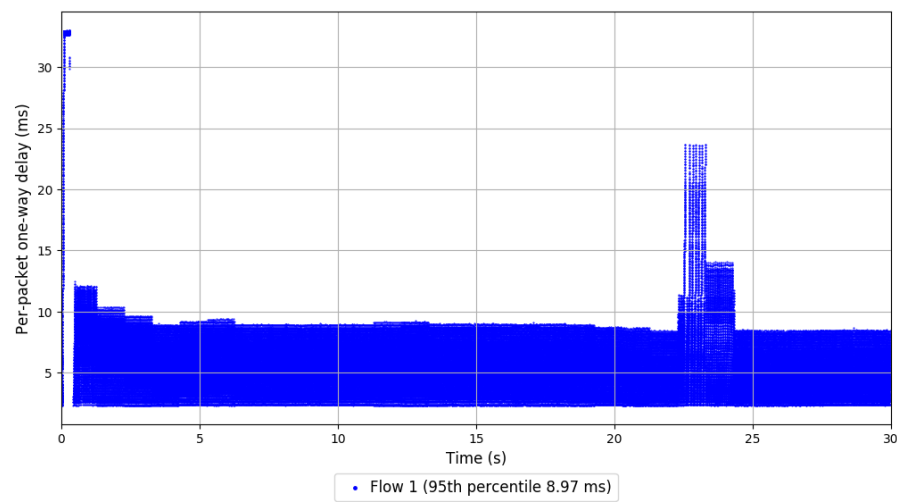
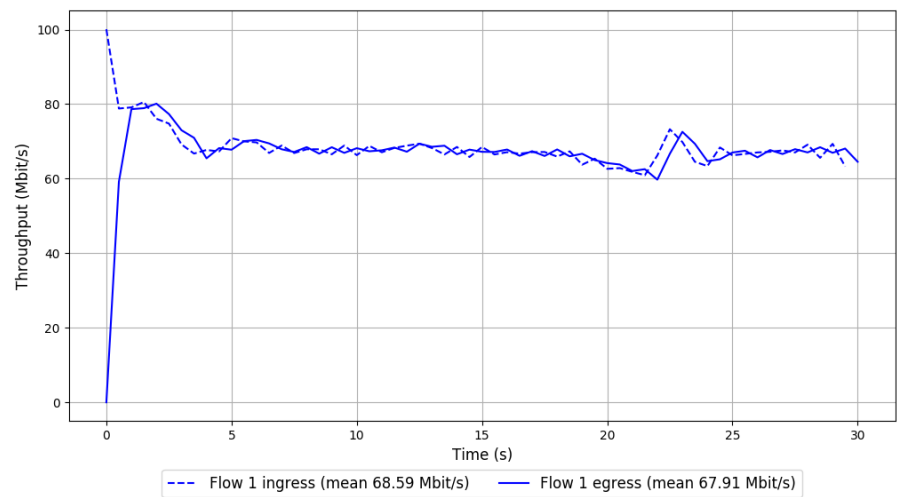


Run 2: Statistics of Verus

Start at: 2018-06-18 09:07:26
End at: 2018-06-18 09:07:56
Local clock offset: -0.422 ms
Remote clock offset: -7.191 ms

Below is generated by plot.py at 2018-06-18 12:10:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 8.974 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 8.974 ms
Loss rate: 0.99%

Run 2: Report of Verus — Data Link

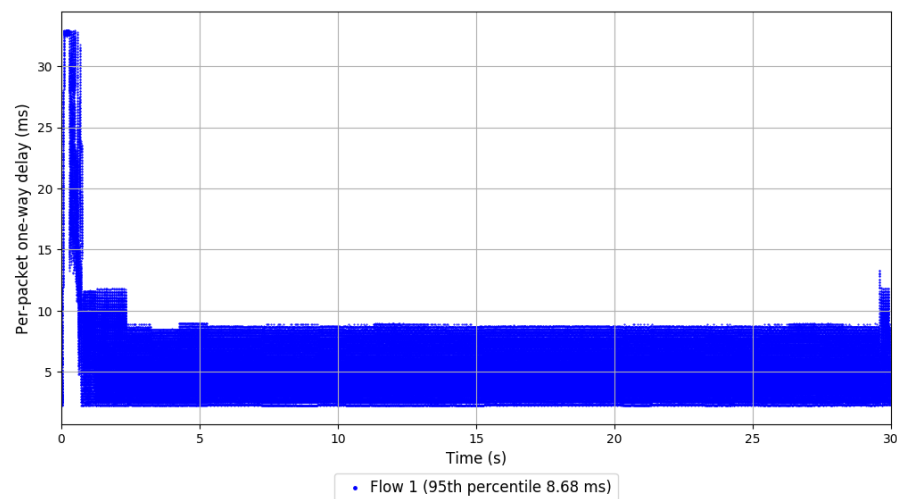
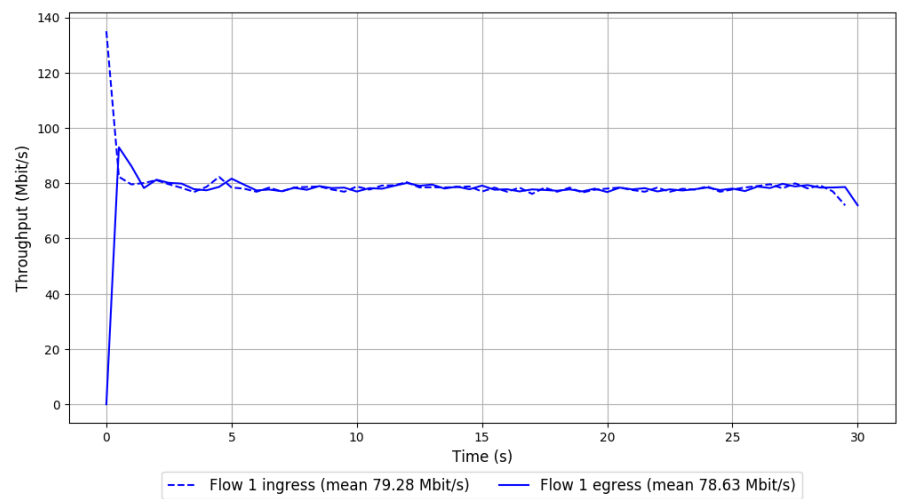


Run 3: Statistics of Verus

Start at: 2018-06-18 09:25:21
End at: 2018-06-18 09:25:51
Local clock offset: 0.925 ms
Remote clock offset: -7.148 ms

Below is generated by plot.py at 2018-06-18 12:10:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.63 Mbit/s
95th percentile per-packet one-way delay: 8.678 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 78.63 Mbit/s
95th percentile per-packet one-way delay: 8.678 ms
Loss rate: 0.80%

Run 3: Report of Verus — Data Link

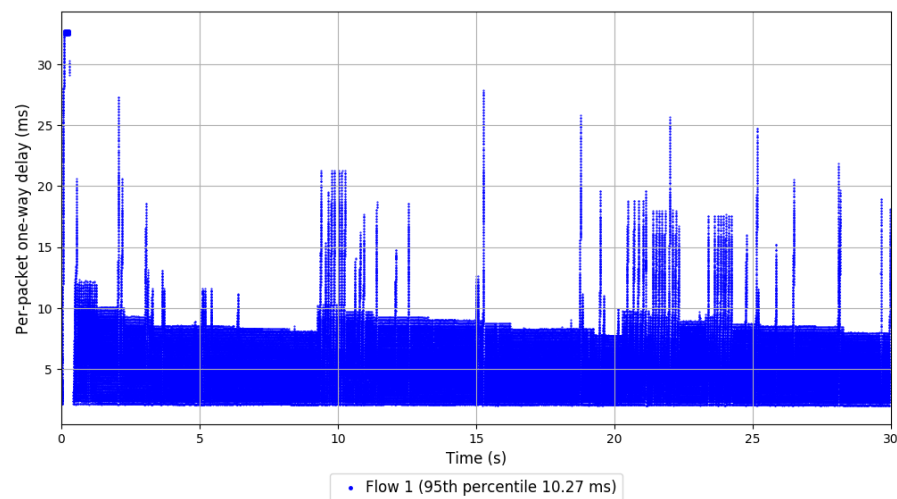
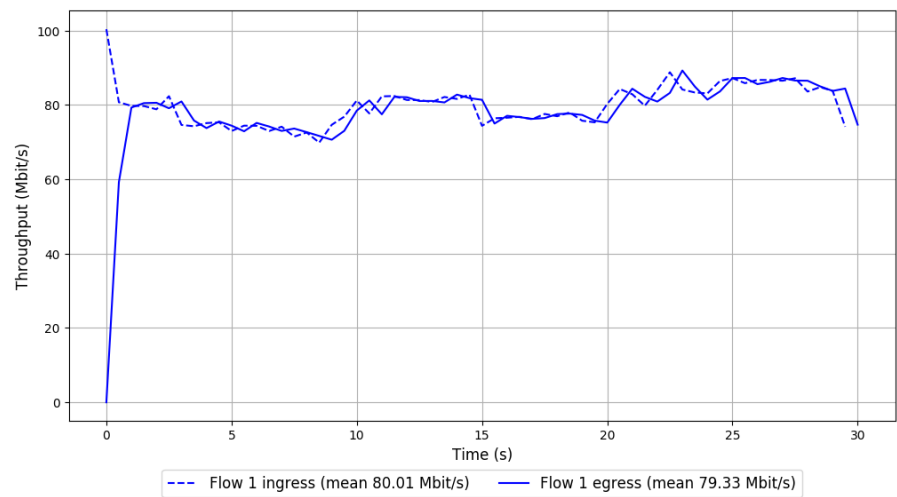


Run 4: Statistics of Verus

Start at: 2018-06-18 09:43:17
End at: 2018-06-18 09:43:47
Local clock offset: -1.4 ms
Remote clock offset: -6.738 ms

Below is generated by plot.py at 2018-06-18 12:10:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 10.266 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 10.266 ms
Loss rate: 0.85%

Run 4: Report of Verus — Data Link

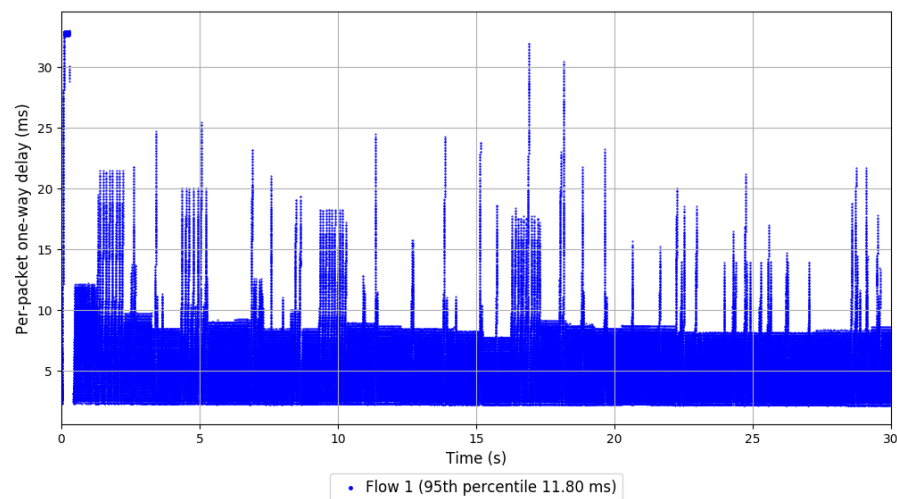
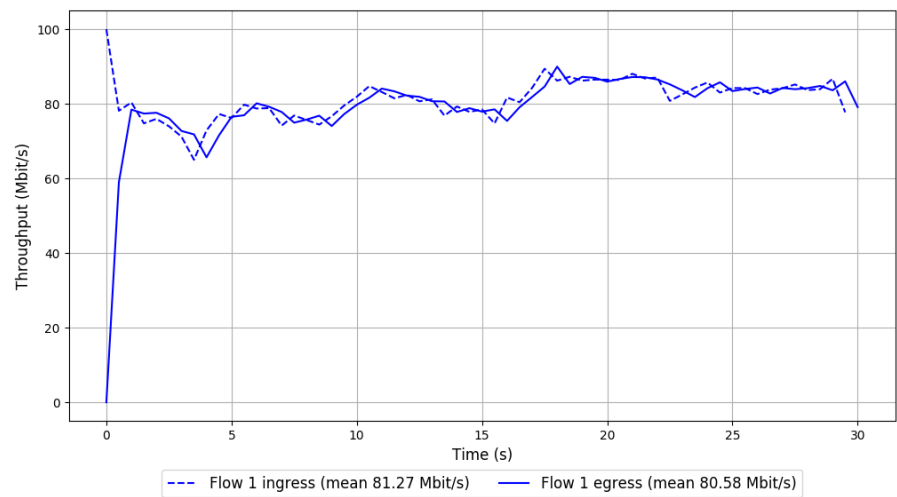


Run 5: Statistics of Verus

Start at: 2018-06-18 10:01:12
End at: 2018-06-18 10:01:42
Local clock offset: -2.994 ms
Remote clock offset: -5.962 ms

Below is generated by plot.py at 2018-06-18 12:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 11.803 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 11.803 ms
Loss rate: 0.84%

Run 5: Report of Verus — Data Link

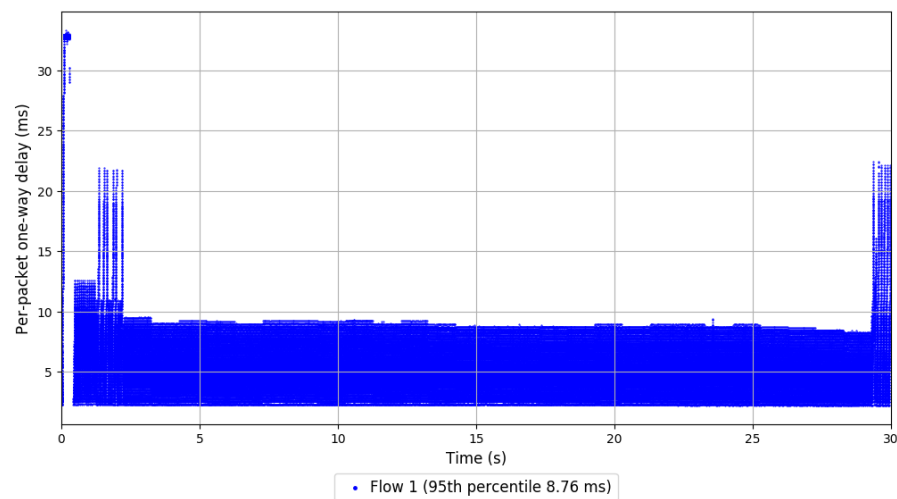
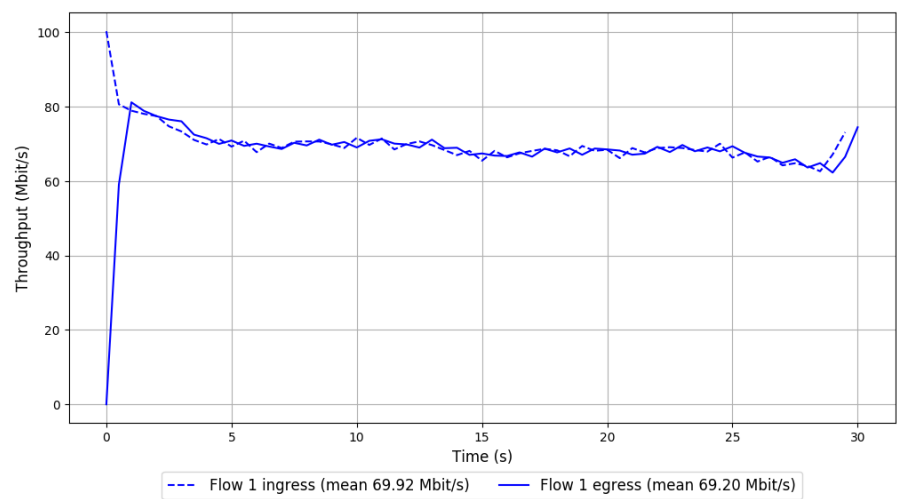


Run 6: Statistics of Verus

Start at: 2018-06-18 10:19:08
End at: 2018-06-18 10:19:38
Local clock offset: -3.108 ms
Remote clock offset: -3.476 ms

Below is generated by plot.py at 2018-06-18 12:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 8.759 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 8.759 ms
Loss rate: 0.97%

Run 6: Report of Verus — Data Link

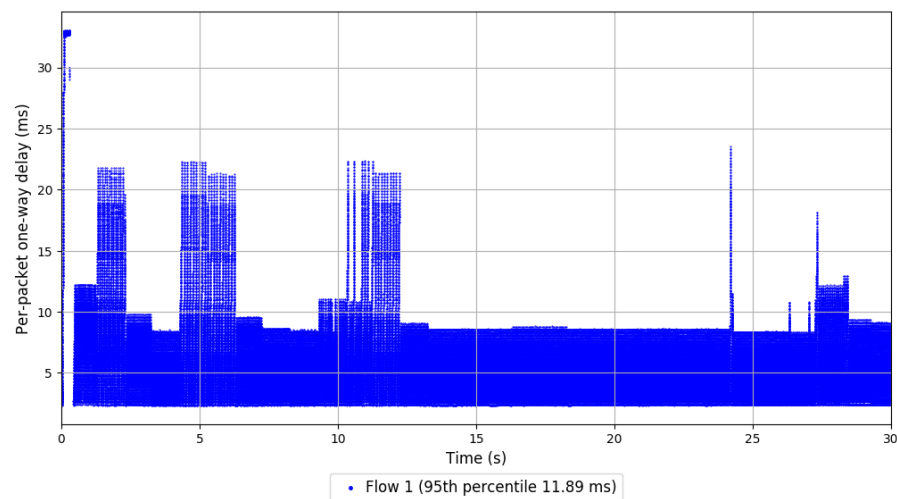
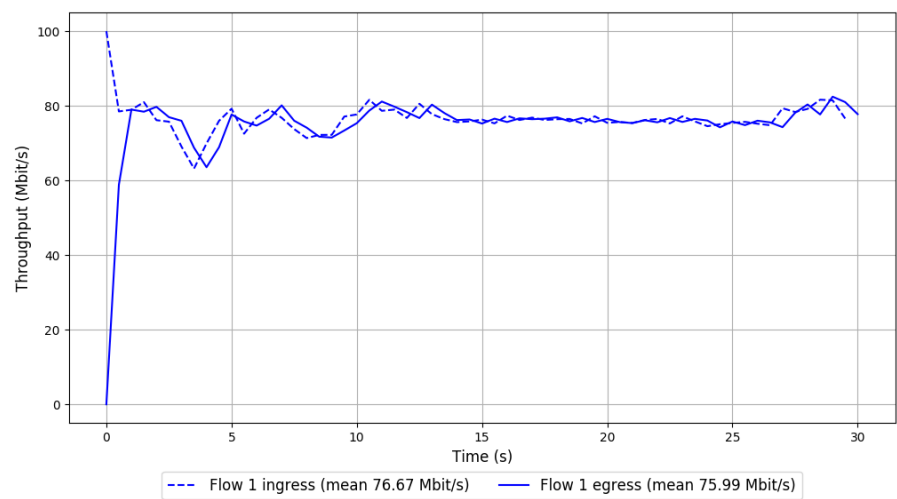


Run 7: Statistics of Verus

Start at: 2018-06-18 10:37:03
End at: 2018-06-18 10:37:33
Local clock offset: -2.918 ms
Remote clock offset: -2.573 ms

Below is generated by plot.py at 2018-06-18 12:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 11.889 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 11.889 ms
Loss rate: 0.88%

Run 7: Report of Verus — Data Link

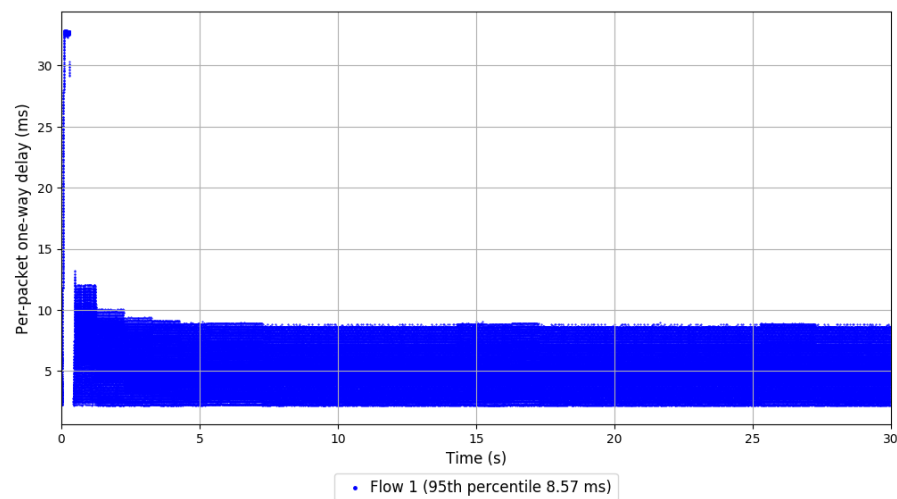
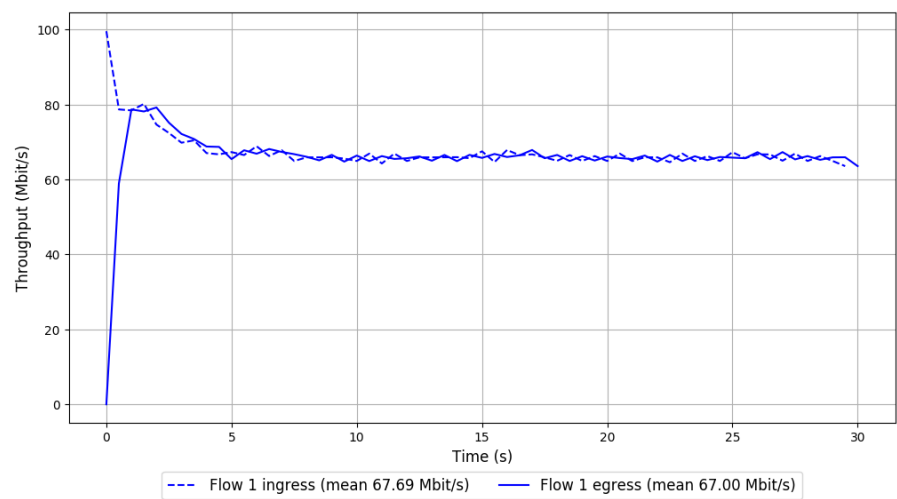


Run 8: Statistics of Verus

Start at: 2018-06-18 10:55:04
End at: 2018-06-18 10:55:34
Local clock offset: -2.184 ms
Remote clock offset: -2.028 ms

Below is generated by plot.py at 2018-06-18 12:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.00 Mbit/s
95th percentile per-packet one-way delay: 8.573 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 67.00 Mbit/s
95th percentile per-packet one-way delay: 8.573 ms
Loss rate: 1.00%

Run 8: Report of Verus — Data Link

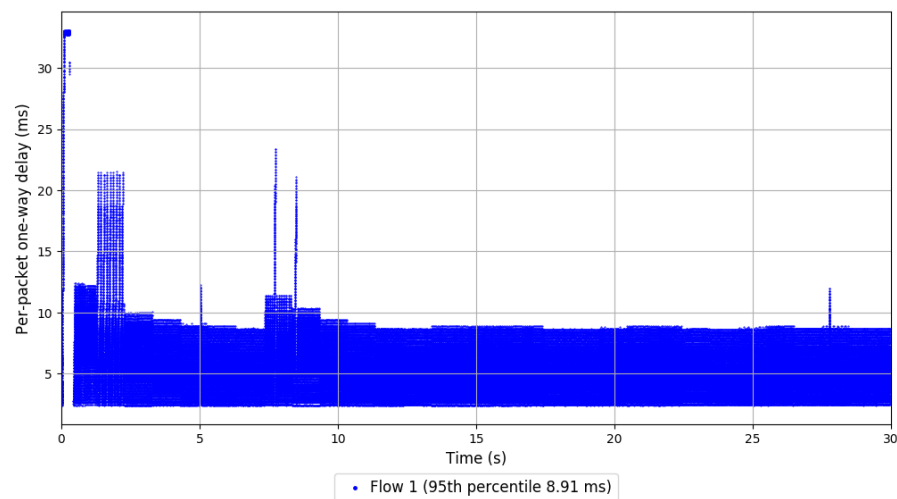
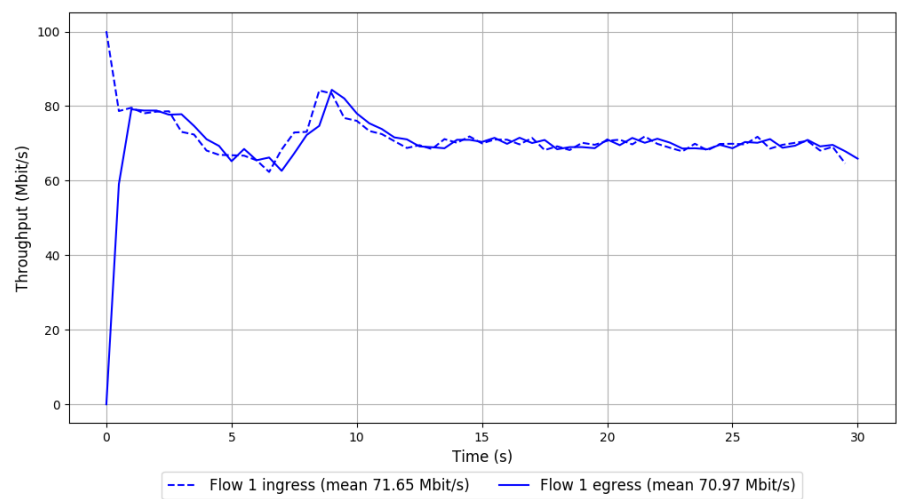


Run 9: Statistics of Verus

Start at: 2018-06-18 11:13:00
End at: 2018-06-18 11:13:30
Local clock offset: -2.674 ms
Remote clock offset: -2.385 ms

Below is generated by plot.py at 2018-06-18 12:10:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.97 Mbit/s
95th percentile per-packet one-way delay: 8.908 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 70.97 Mbit/s
95th percentile per-packet one-way delay: 8.908 ms
Loss rate: 0.94%

Run 9: Report of Verus — Data Link

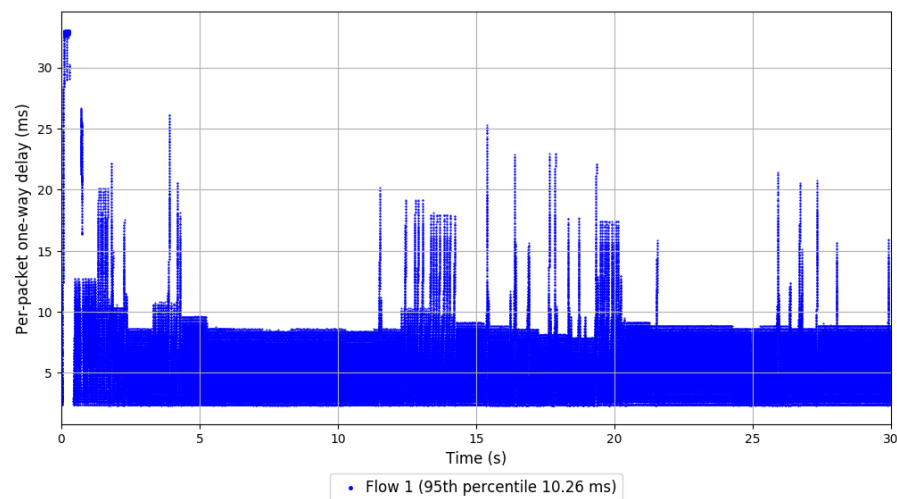
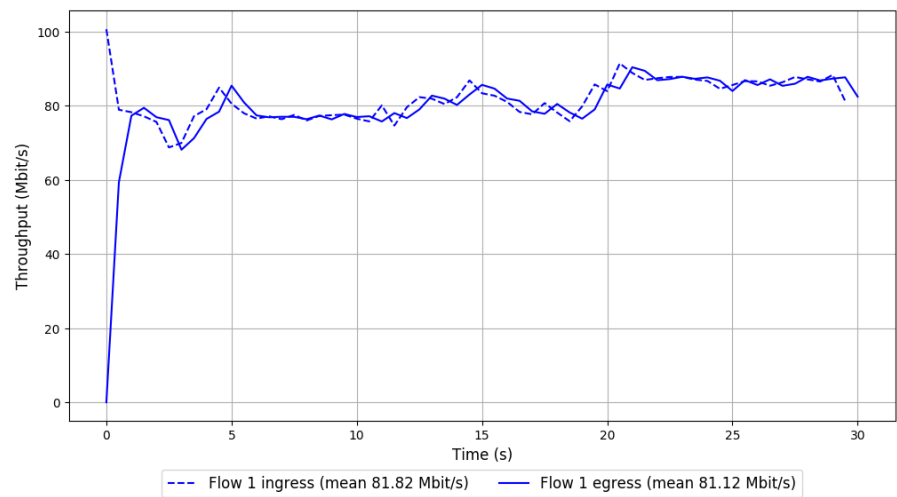


Run 10: Statistics of Verus

Start at: 2018-06-18 11:30:55
End at: 2018-06-18 11:31:25
Local clock offset: -2.972 ms
Remote clock offset: -3.249 ms

Below is generated by plot.py at 2018-06-18 12:11:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 10.263 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 10.263 ms
Loss rate: 0.83%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-18 08:48:26

End at: 2018-06-18 08:48:56

Local clock offset: -2.213 ms

Remote clock offset: -8.079 ms

Below is generated by plot.py at 2018-06-18 12:11:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.00%

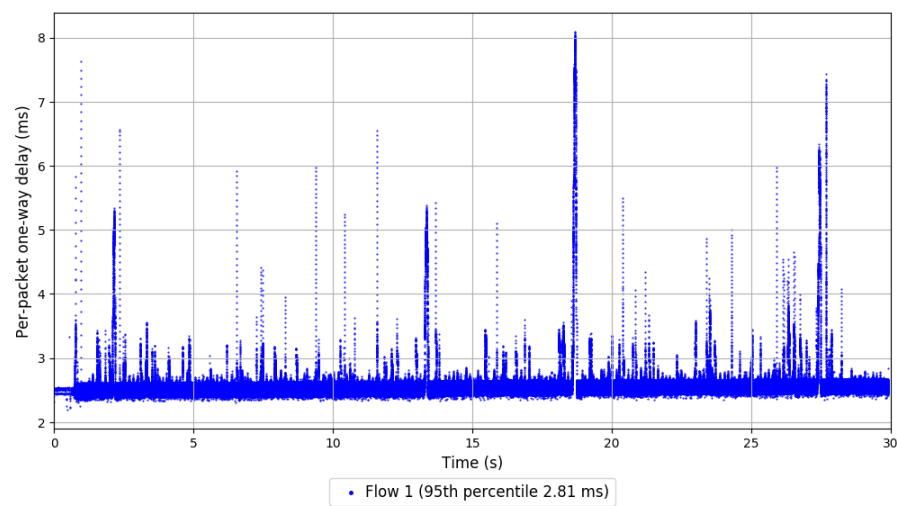
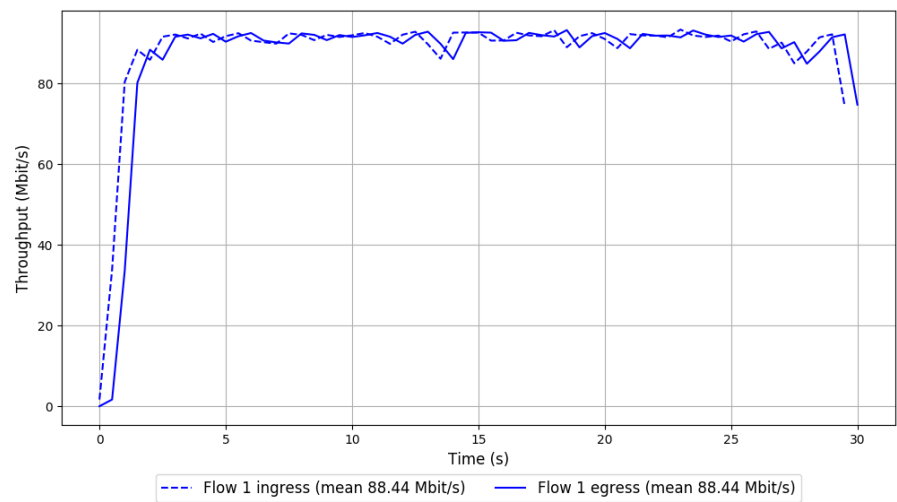
-- Flow 1:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

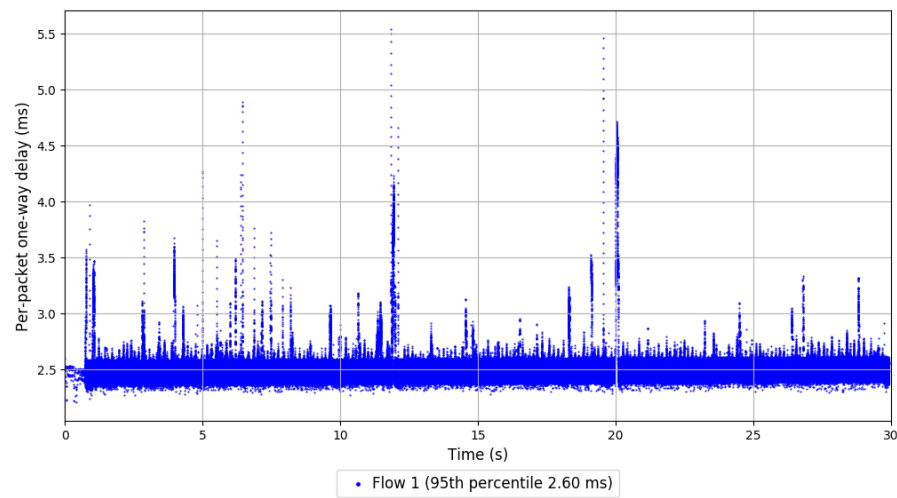
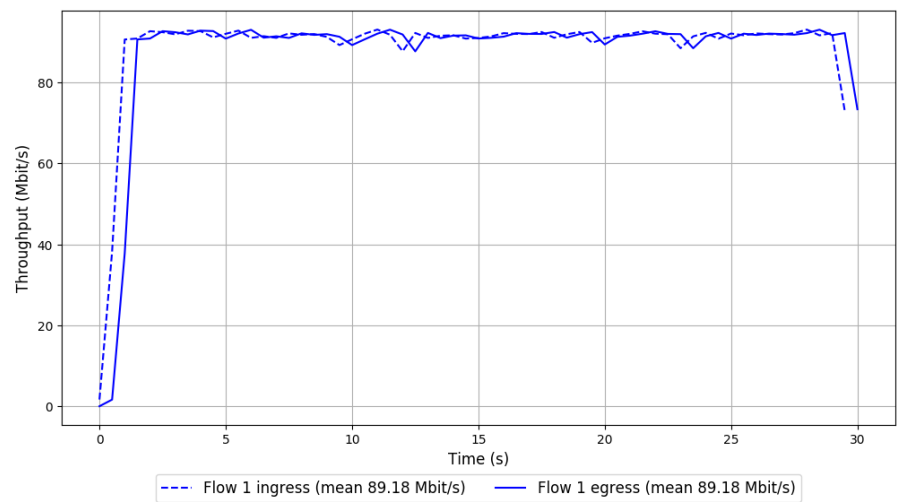


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-18 09:06:18
End at: 2018-06-18 09:06:48
Local clock offset: -0.547 ms
Remote clock offset: -7.215 ms

Below is generated by plot.py at 2018-06-18 12:11:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-18 09:24:13

End at: 2018-06-18 09:24:43

Local clock offset: 0.827 ms

Remote clock offset: -7.15 ms

Below is generated by plot.py at 2018-06-18 12:11:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 2.515 ms

Loss rate: 0.00%

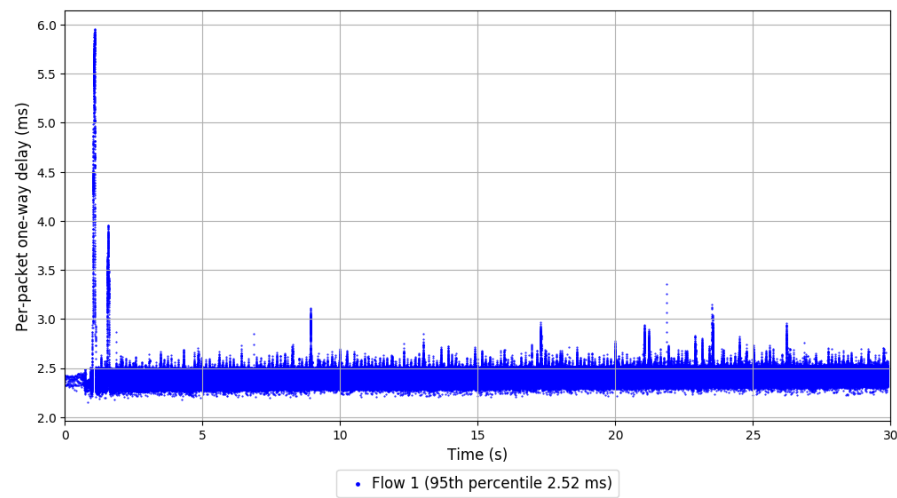
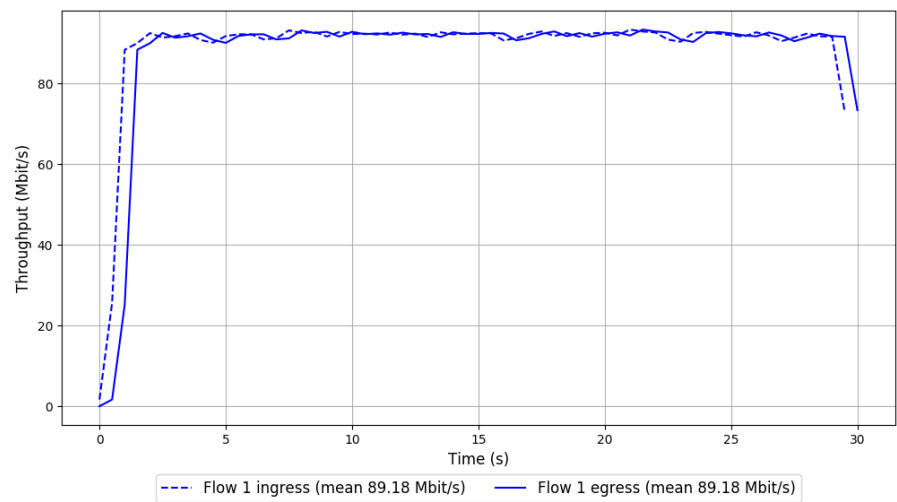
-- Flow 1:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 2.515 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

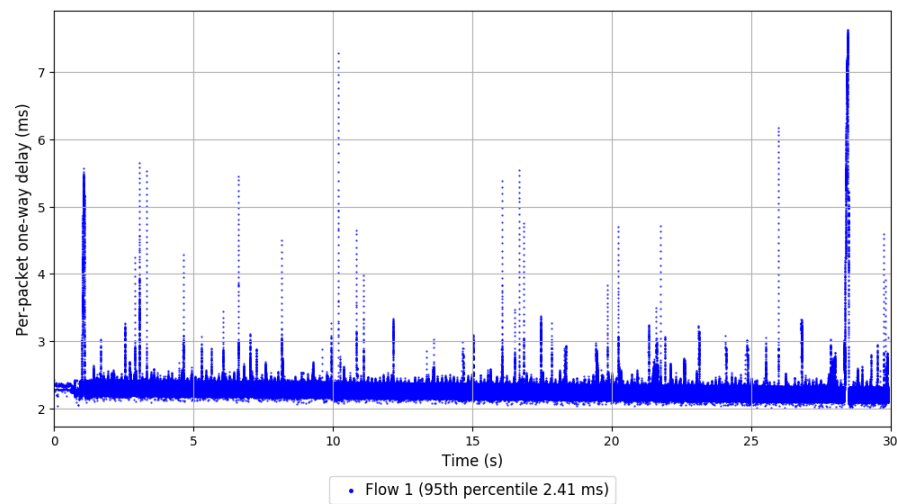
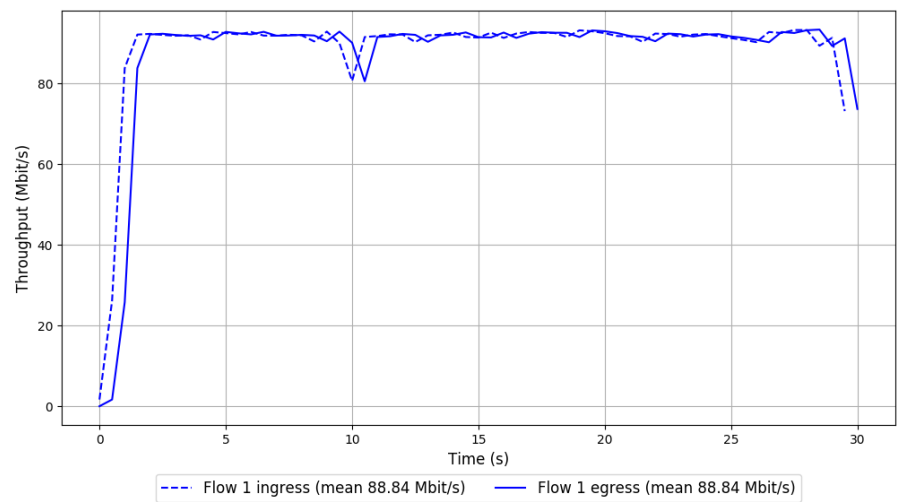


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-18 09:42:08
End at: 2018-06-18 09:42:38
Local clock offset: -1.185 ms
Remote clock offset: -6.681 ms

Below is generated by plot.py at 2018-06-18 12:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-18 10:00:04

End at: 2018-06-18 10:00:34

Local clock offset: -2.958 ms

Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-06-18 12:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 0.00%

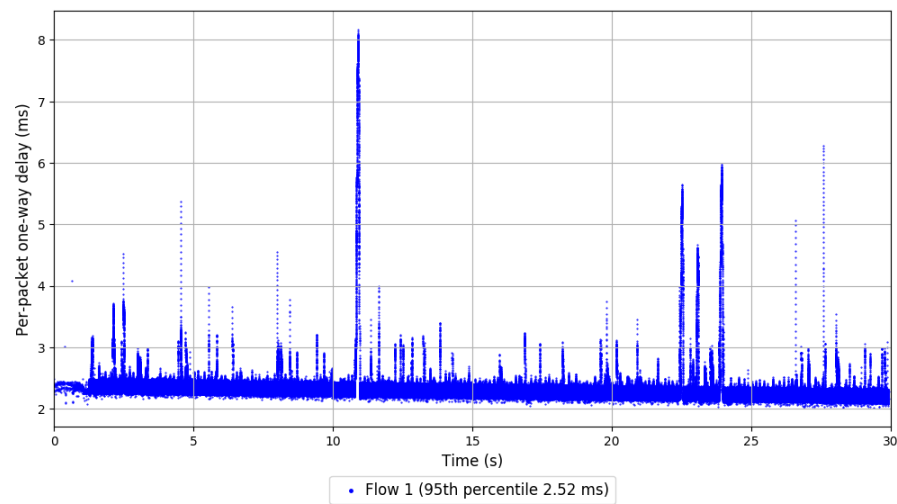
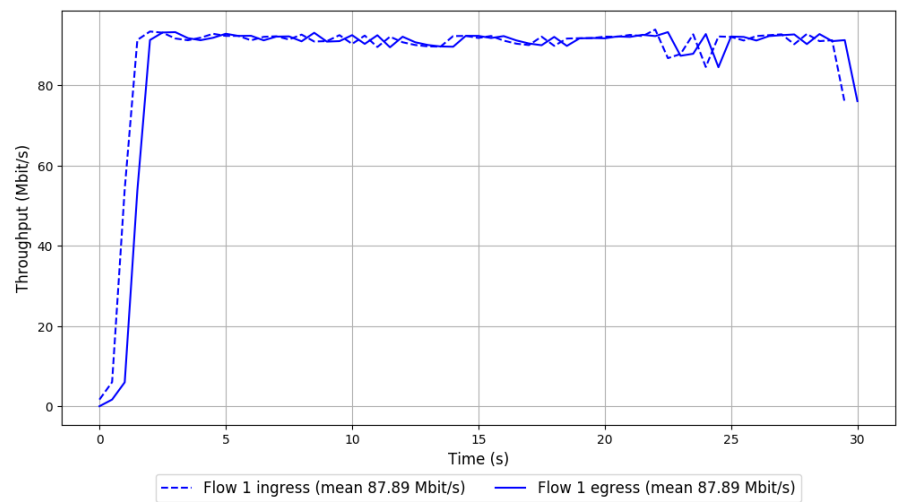
-- Flow 1:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

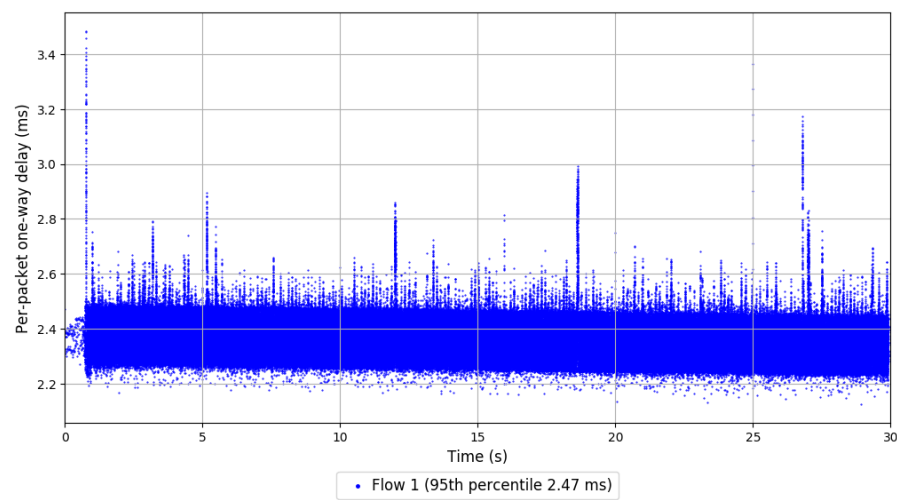
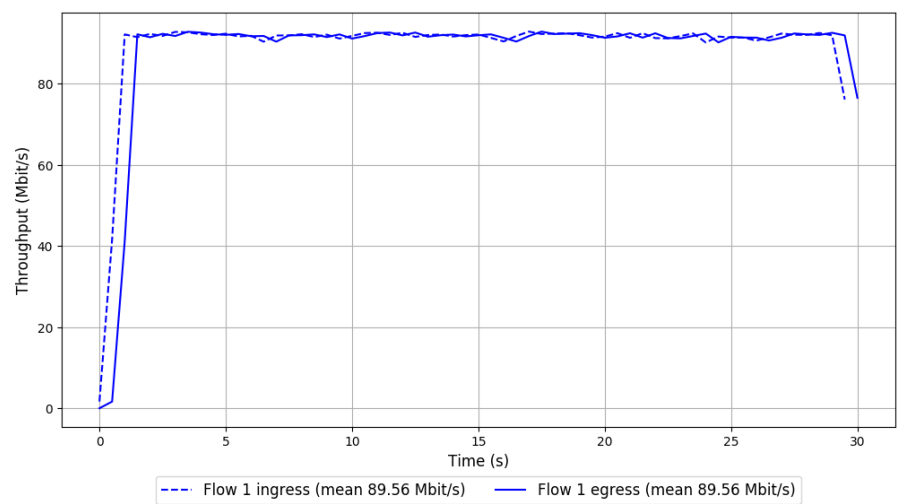


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-18 10:17:59
End at: 2018-06-18 10:18:29
Local clock offset: -3.021 ms
Remote clock offset: -3.506 ms

Below is generated by plot.py at 2018-06-18 12:12:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

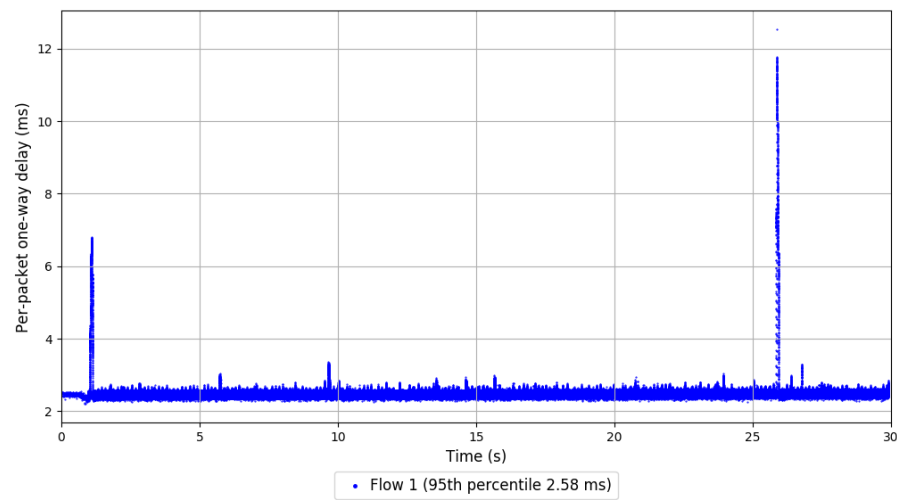
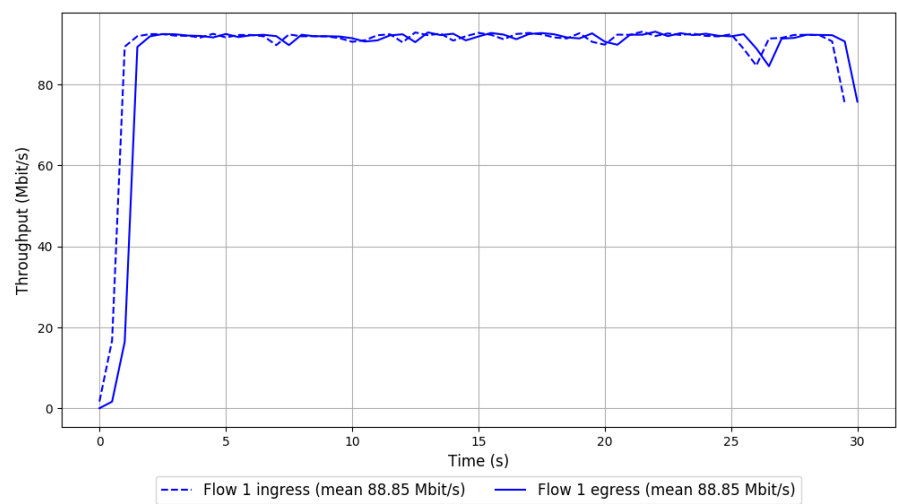


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-18 10:35:55
End at: 2018-06-18 10:36:25
Local clock offset: -2.937 ms
Remote clock offset: -2.537 ms

Below is generated by plot.py at 2018-06-18 12:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

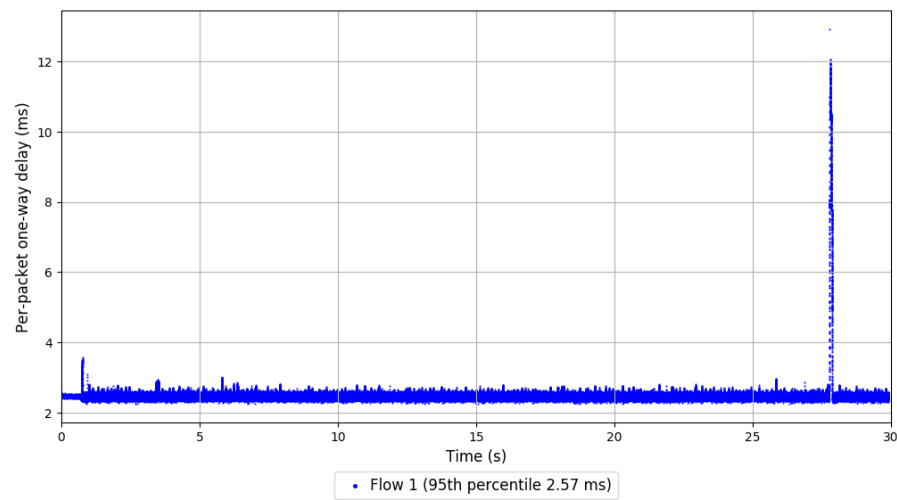
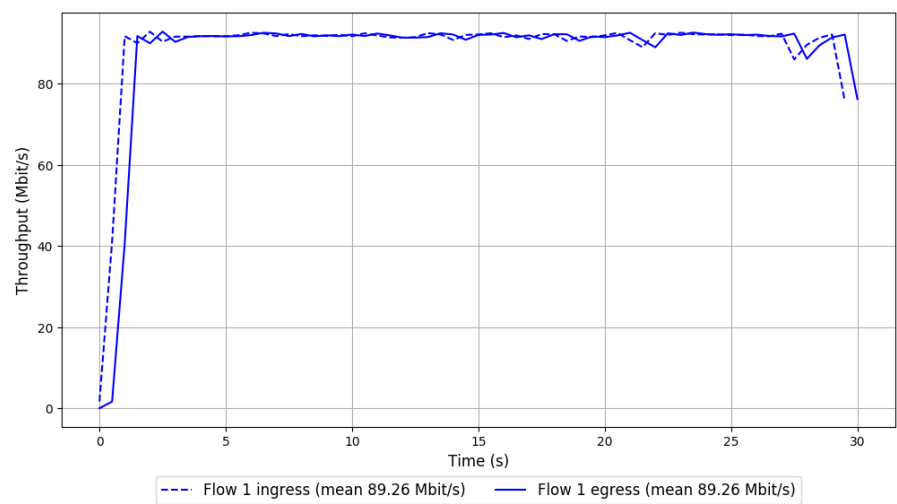


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-18 10:53:56
End at: 2018-06-18 10:54:26
Local clock offset: -2.281 ms
Remote clock offset: -2.001 ms

Below is generated by plot.py at 2018-06-18 12:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.568 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

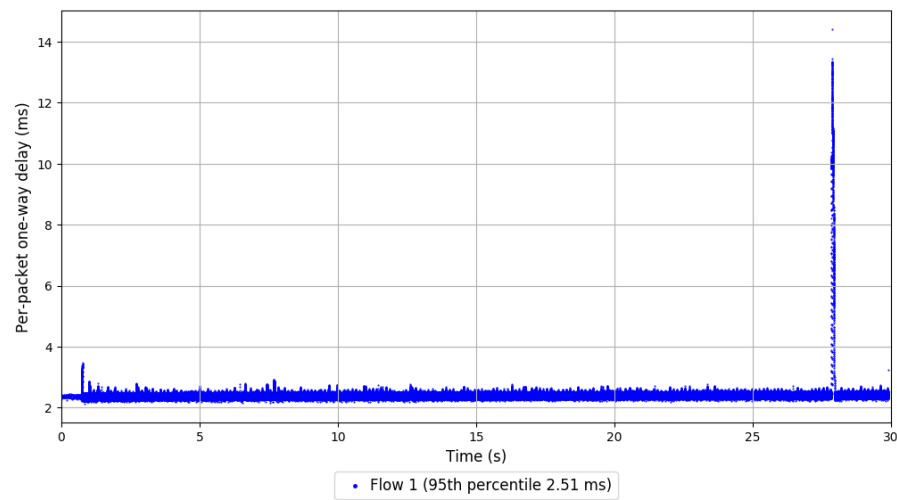
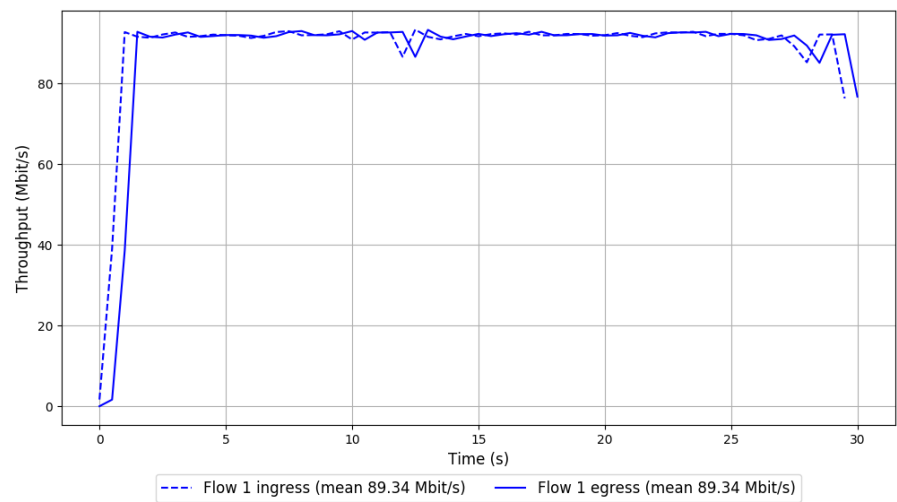


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-18 11:11:51
End at: 2018-06-18 11:12:21
Local clock offset: -2.551 ms
Remote clock offset: -2.296 ms

Below is generated by plot.py at 2018-06-18 12:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 2.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 2.507 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-18 11:29:47

End at: 2018-06-18 11:30:17

Local clock offset: -2.882 ms

Remote clock offset: -3.242 ms

Below is generated by plot.py at 2018-06-18 12:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.09 Mbit/s

95th percentile per-packet one-way delay: 2.535 ms

Loss rate: 0.00%

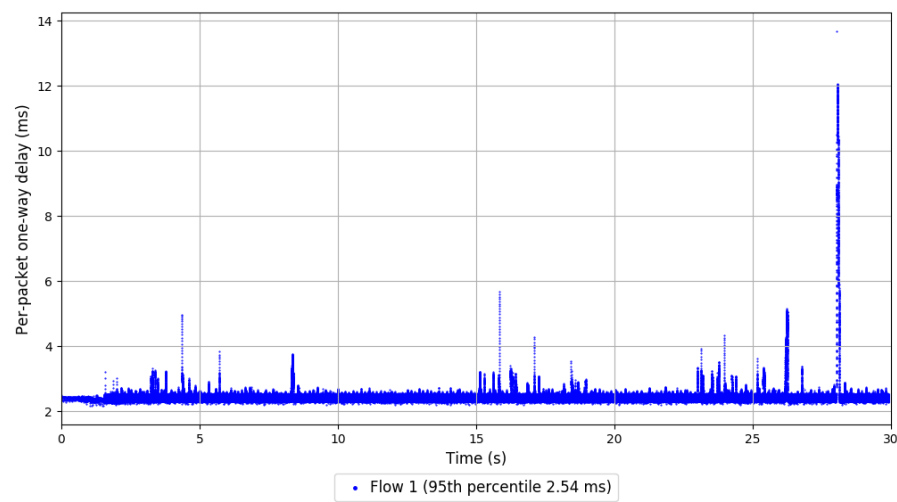
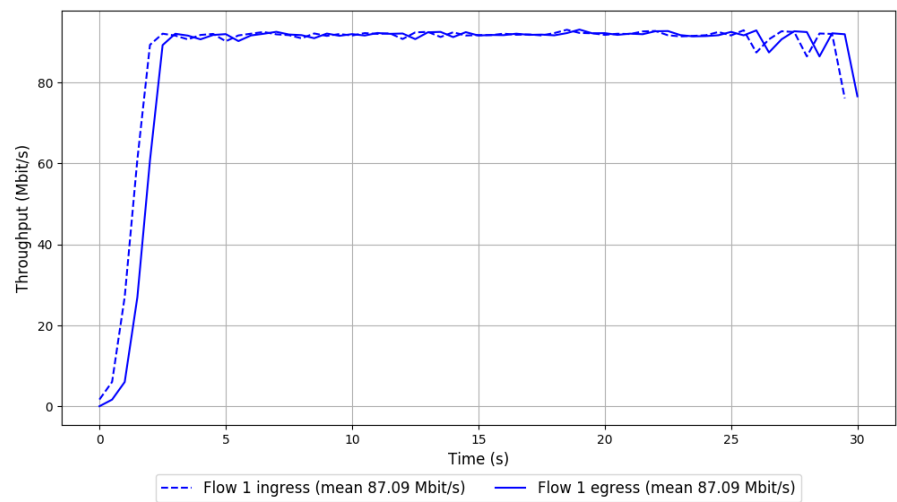
-- Flow 1:

Average throughput: 87.09 Mbit/s

95th percentile per-packet one-way delay: 2.535 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-18 08:47:22

End at: 2018-06-18 08:47:52

Local clock offset: -2.277 ms

Remote clock offset: -8.04 ms

Below is generated by plot.py at 2018-06-18 12:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.00%

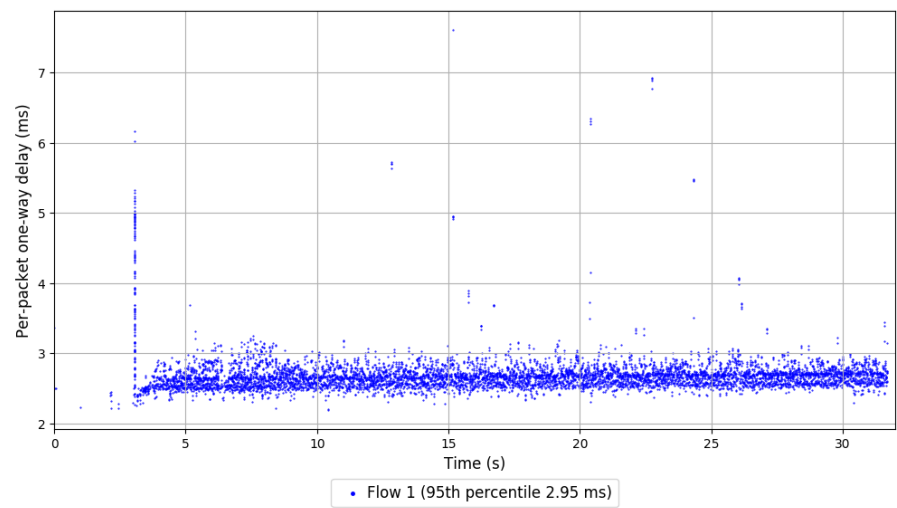
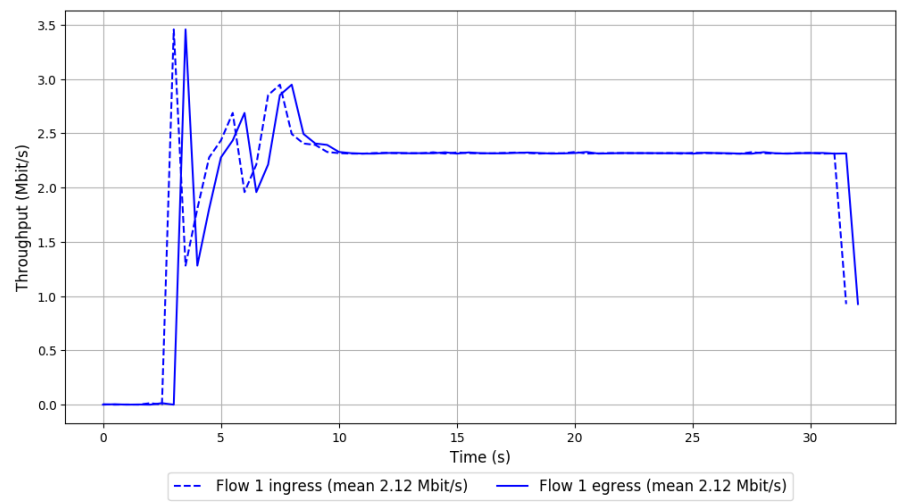
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

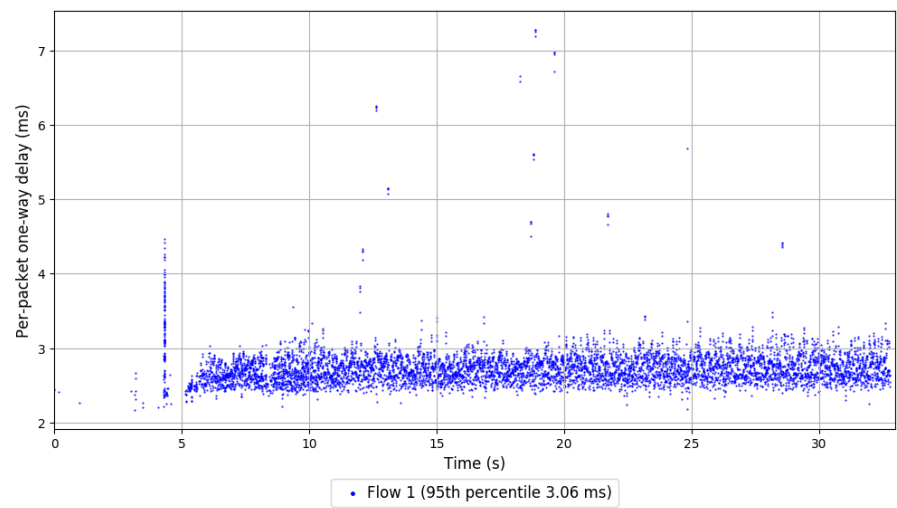
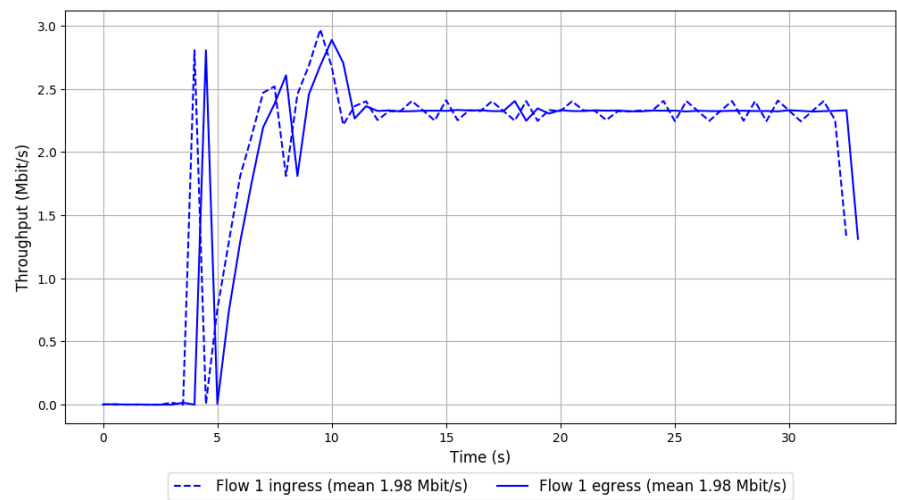


Run 2: Statistics of WebRTC media

Start at: 2018-06-18 09:05:14
End at: 2018-06-18 09:05:44
Local clock offset: -0.607 ms
Remote clock offset: -7.253 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

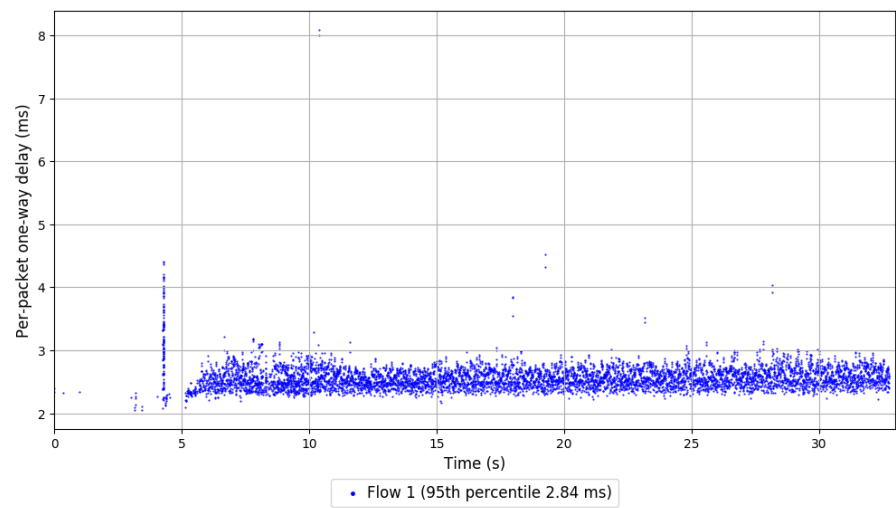
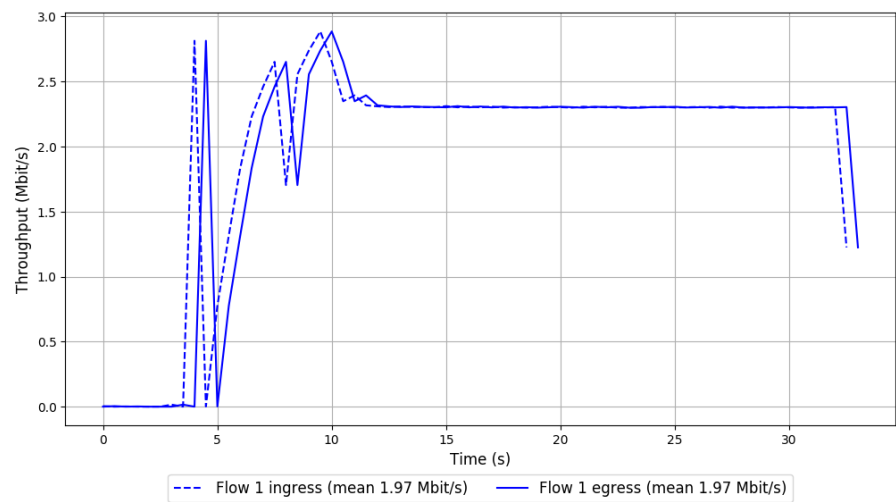


Run 3: Statistics of WebRTC media

Start at: 2018-06-18 09:23:09
End at: 2018-06-18 09:23:39
Local clock offset: 0.764 ms
Remote clock offset: -7.215 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

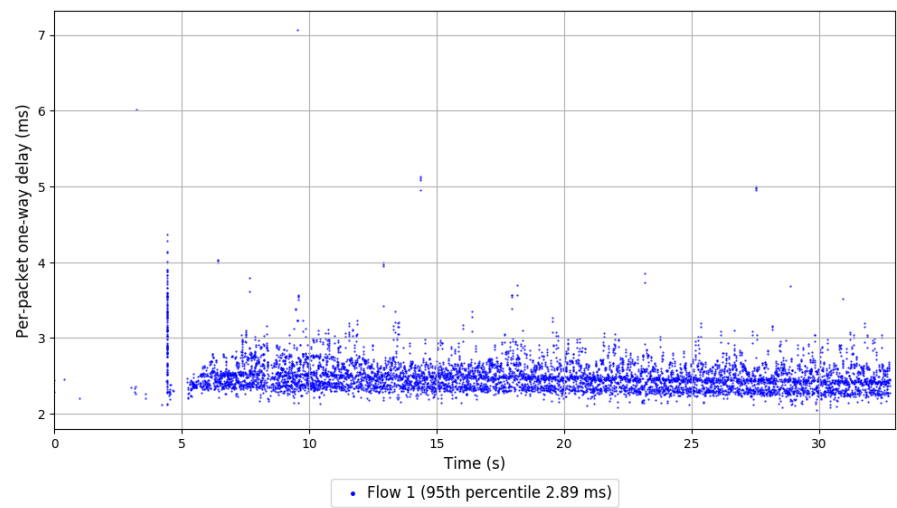
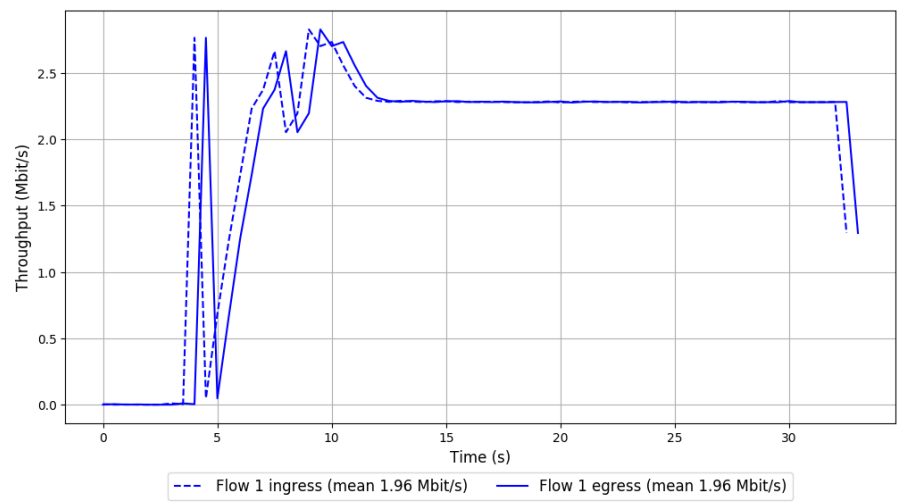


Run 4: Statistics of WebRTC media

Start at: 2018-06-18 09:41:05
End at: 2018-06-18 09:41:35
Local clock offset: -0.994 ms
Remote clock offset: -6.695 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.886 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

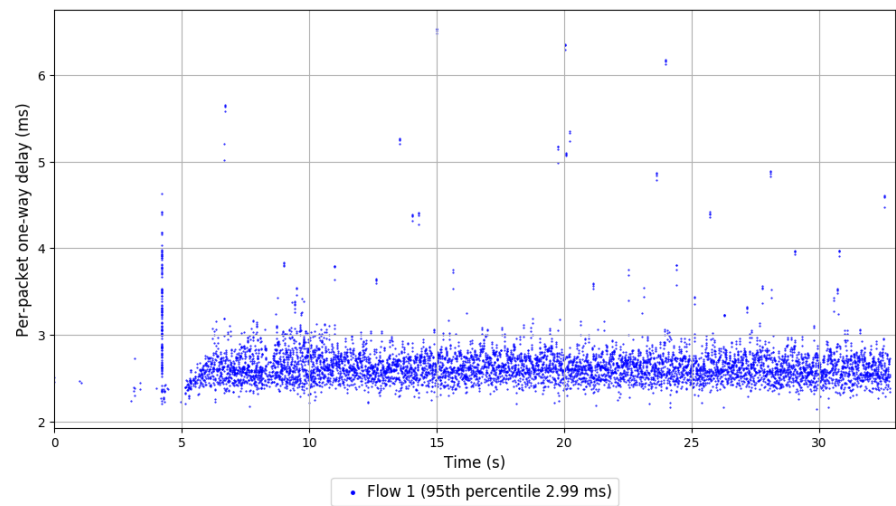
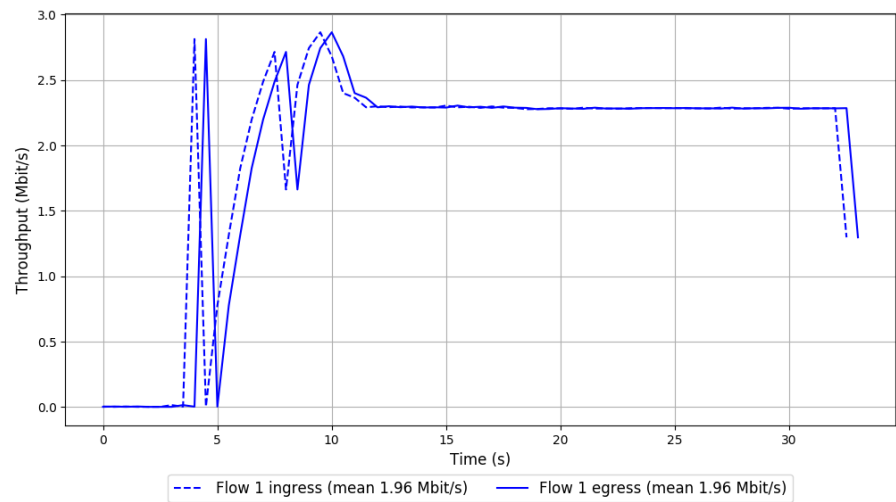


Run 5: Statistics of WebRTC media

Start at: 2018-06-18 09:59:00
End at: 2018-06-18 09:59:30
Local clock offset: -2.909 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

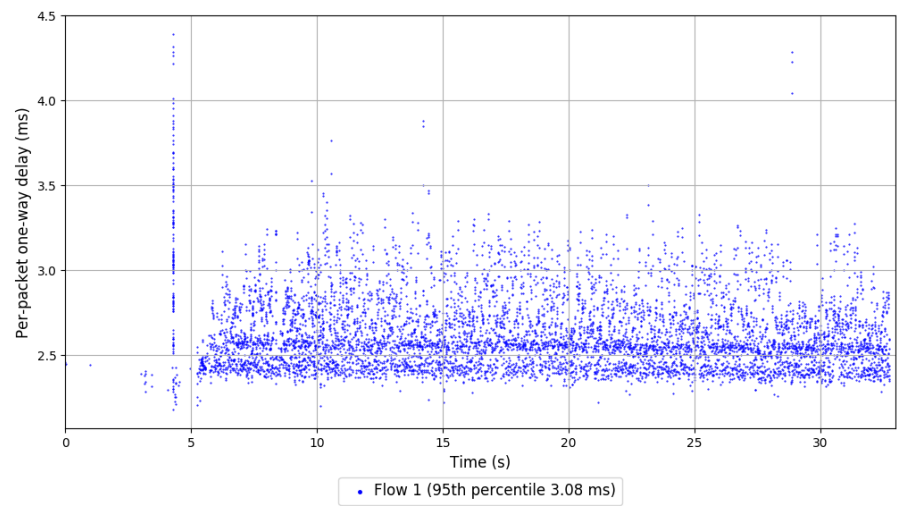
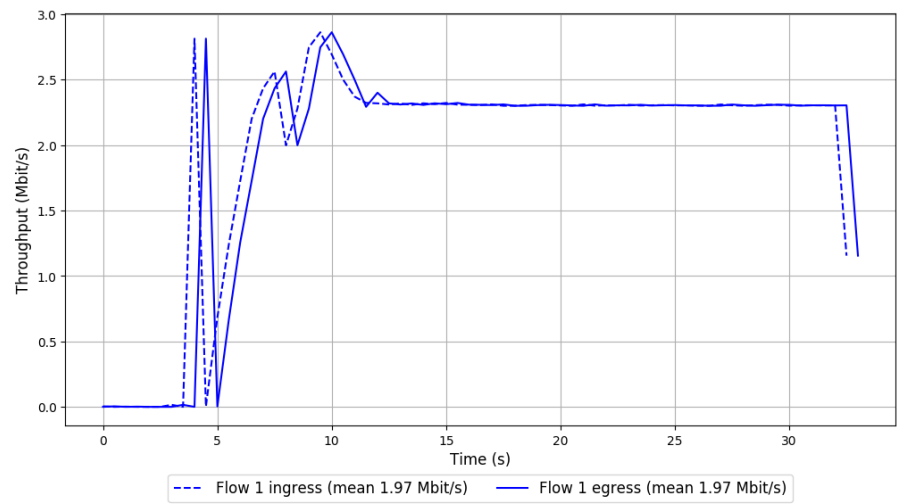


Run 6: Statistics of WebRTC media

Start at: 2018-06-18 10:16:56
End at: 2018-06-18 10:17:26
Local clock offset: -3.042 ms
Remote clock offset: -3.586 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 3.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 3.076 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

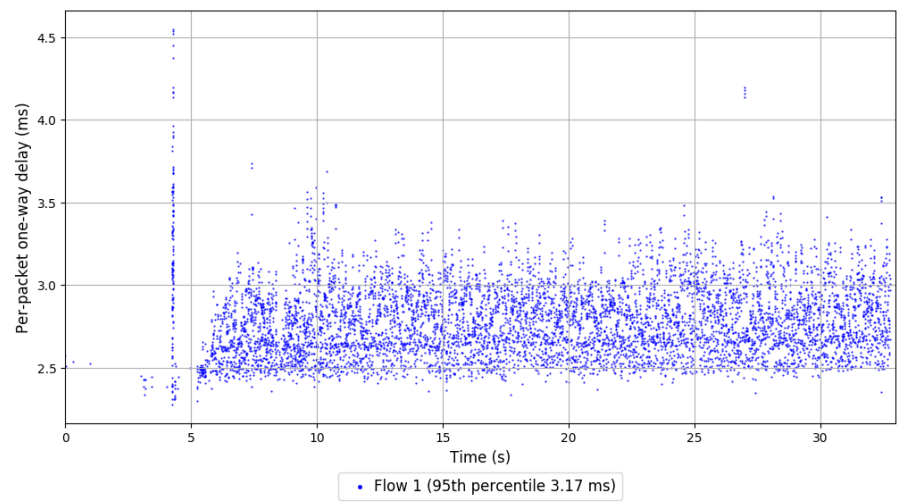
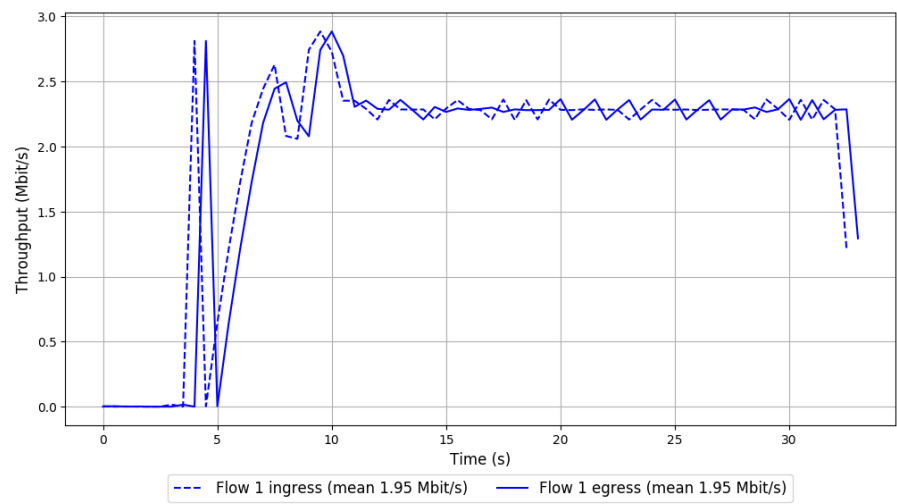


Run 7: Statistics of WebRTC media

Start at: 2018-06-18 10:34:51
End at: 2018-06-18 10:35:21
Local clock offset: -3.108 ms
Remote clock offset: -2.634 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 3.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 3.170 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

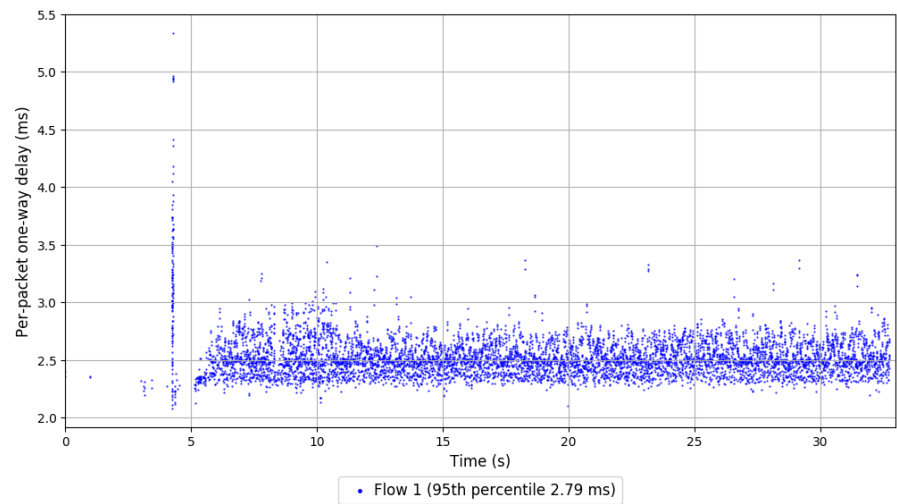
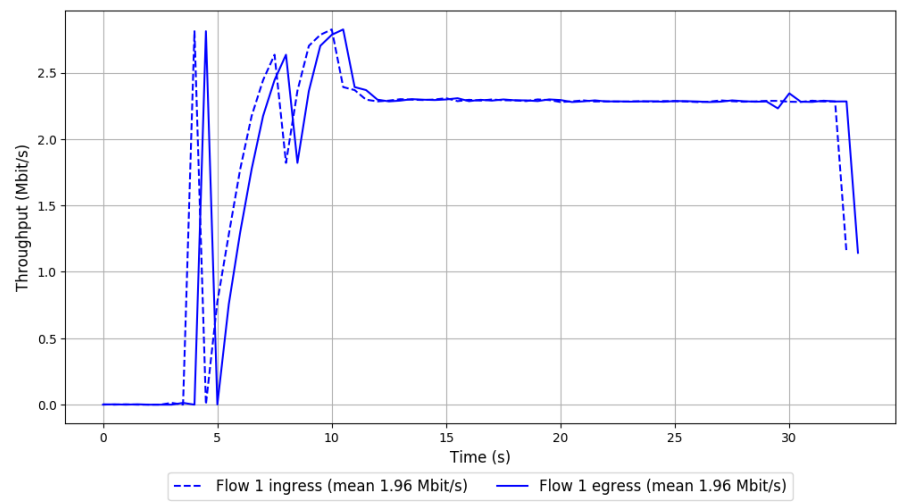


Run 8: Statistics of WebRTC media

Start at: 2018-06-18 10:52:52
End at: 2018-06-18 10:53:22
Local clock offset: -2.223 ms
Remote clock offset: -2.132 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

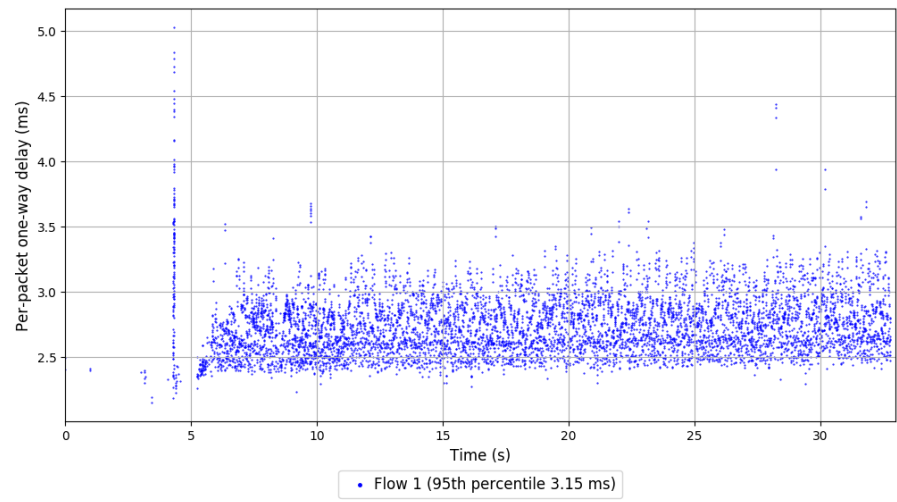
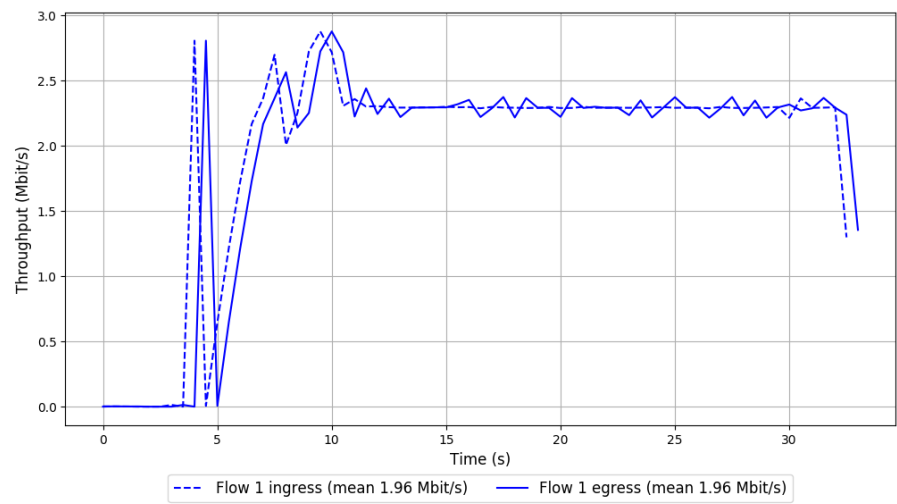


Run 9: Statistics of WebRTC media

Start at: 2018-06-18 11:10:48
End at: 2018-06-18 11:11:18
Local clock offset: -2.501 ms
Remote clock offset: -2.082 ms

Below is generated by plot.py at 2018-06-18 12:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-18 11:28:43

End at: 2018-06-18 11:29:13

Local clock offset: -2.885 ms

Remote clock offset: -3.255 ms

Below is generated by plot.py at 2018-06-18 12:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

