

Pantheon Report

Generated at 2018-07-18 04:44:43 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

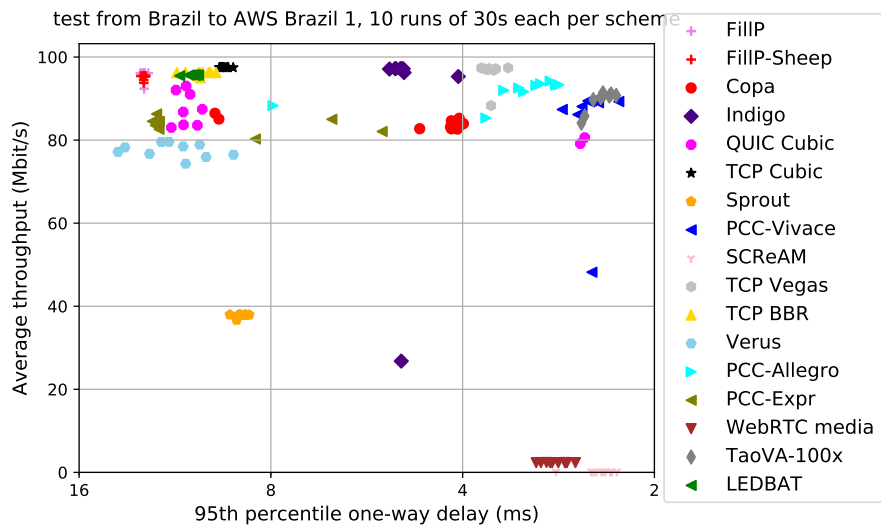
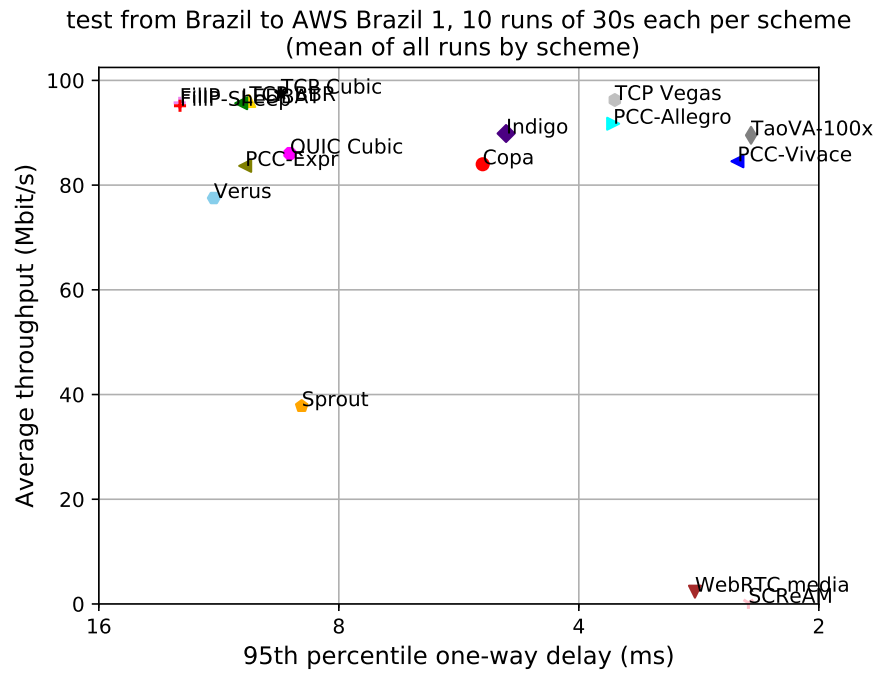
Each test lasted for 30 seconds running 1 flow.

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

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

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.07	10.36	0.12
Copa	10	83.98	5.28	0.02
TCP Cubic	10	97.47	9.46	0.06
FillP	10	95.71	12.67	0.42
FillP-Sheep	10	95.16	12.66	0.04
Indigo	10	89.86	4.94	0.02
LEDBAT	10	95.64	10.61	0.08
PCC-Allegro	10	91.72	3.62	0.02
PCC-Expr	10	83.67	10.48	0.07
QUIC Cubic	10	86.03	9.21	0.04
SCReAM	10	0.22	2.45	0.01
Sprout	10	37.79	8.91	0.02
TaoVA-100x	10	89.52	2.43	0.02
TCP Vegas	10	96.26	3.61	0.02
Verus	10	77.53	11.48	0.03
PCC-Vivace	10	84.55	2.53	0.02
WebRTC media	10	2.35	2.86	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 01:22:49

End at: 2018-07-18 01:23:19

Local clock offset: -6.598 ms

Remote clock offset: -7.83 ms

Below is generated by plot.py at 2018-07-18 04:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.896 ms

Loss rate: 0.10%

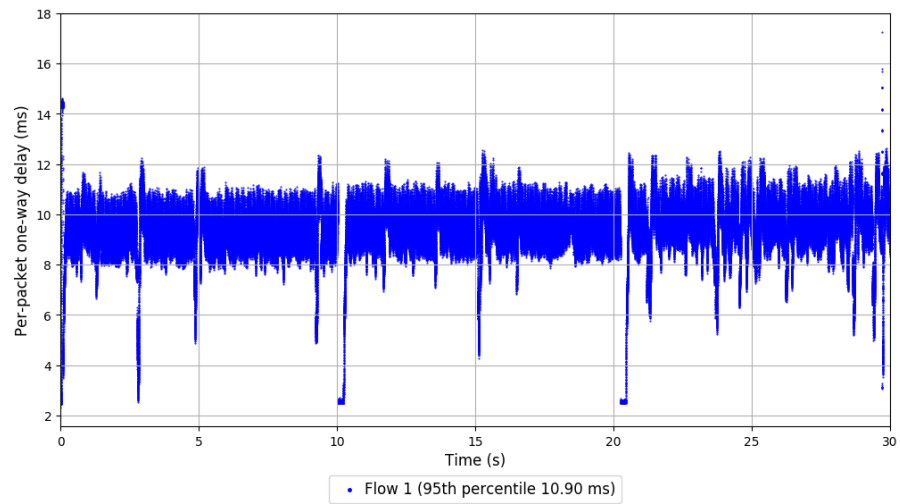
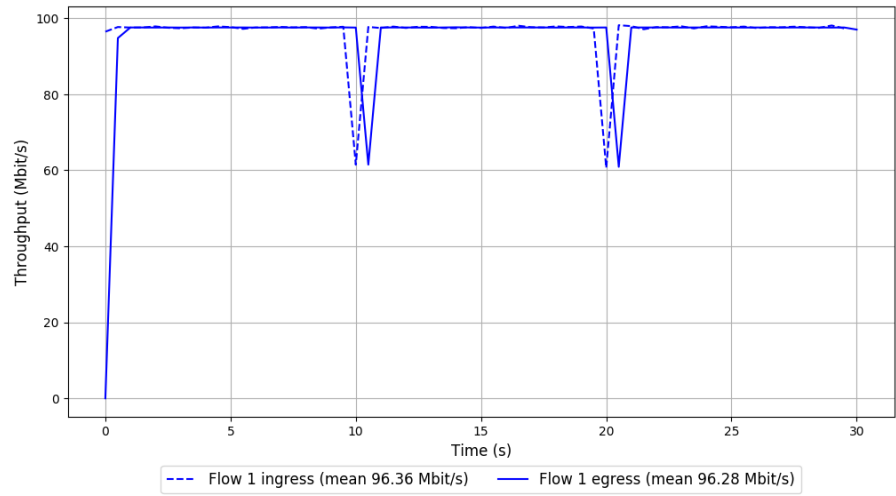
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 10.896 ms

Loss rate: 0.10%

Run 1: Report of TCP BBR — Data Link

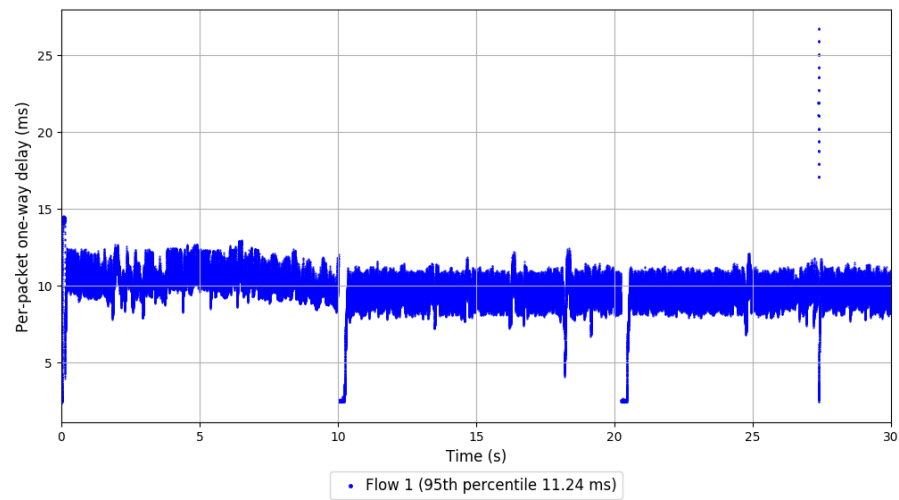
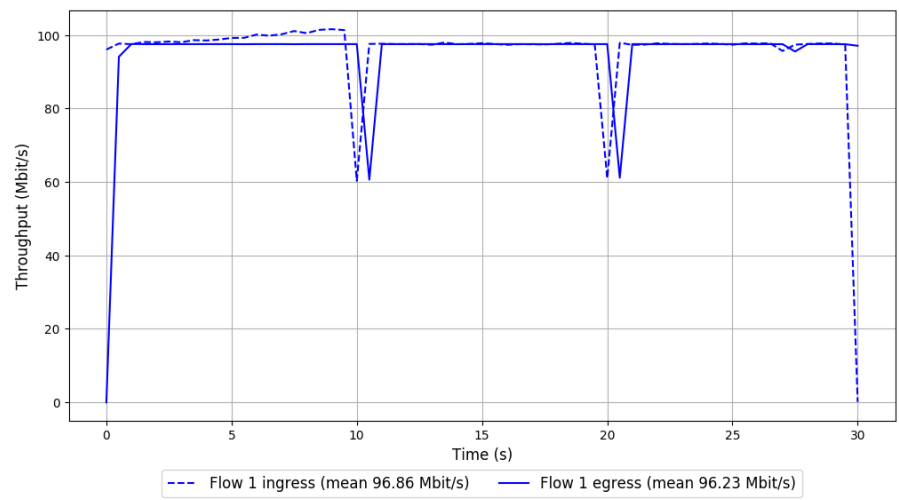


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 01:41:49
End at: 2018-07-18 01:42:19
Local clock offset: -5.856 ms
Remote clock offset: -7.519 ms

Below is generated by plot.py at 2018-07-18 04:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 11.237 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 11.237 ms
Loss rate: 0.67%

Run 2: Report of TCP BBR — Data Link

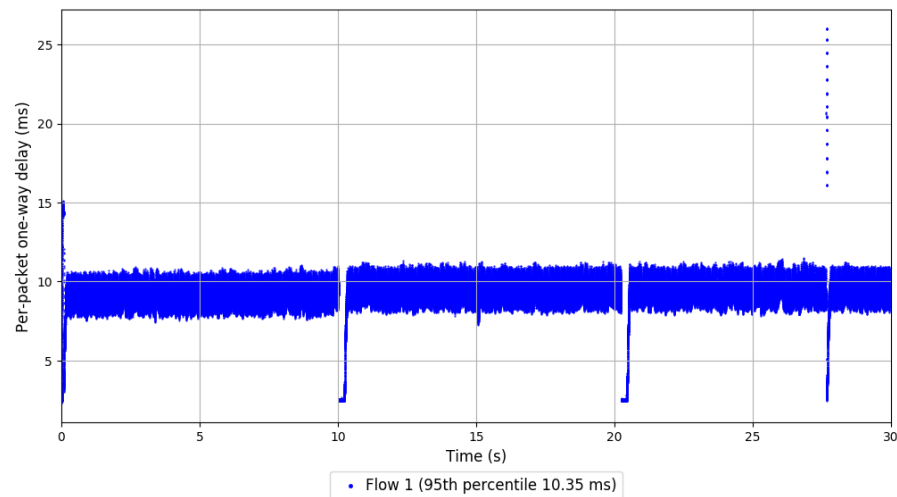
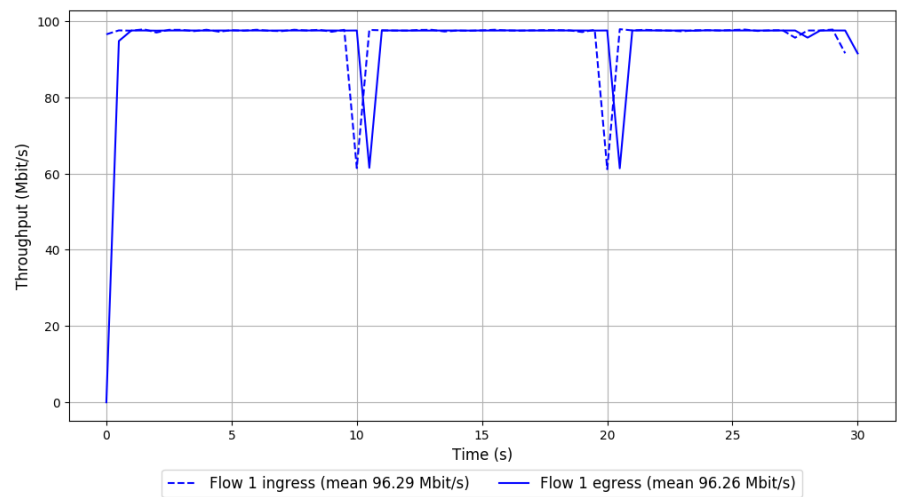


Run 3: Statistics of TCP BBR

Start at: 2018-07-18 02:00:51
End at: 2018-07-18 02:01:21
Local clock offset: -5.827 ms
Remote clock offset: -3.832 ms

Below is generated by plot.py at 2018-07-18 04:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 0.05%

Run 3: Report of TCP BBR — Data Link

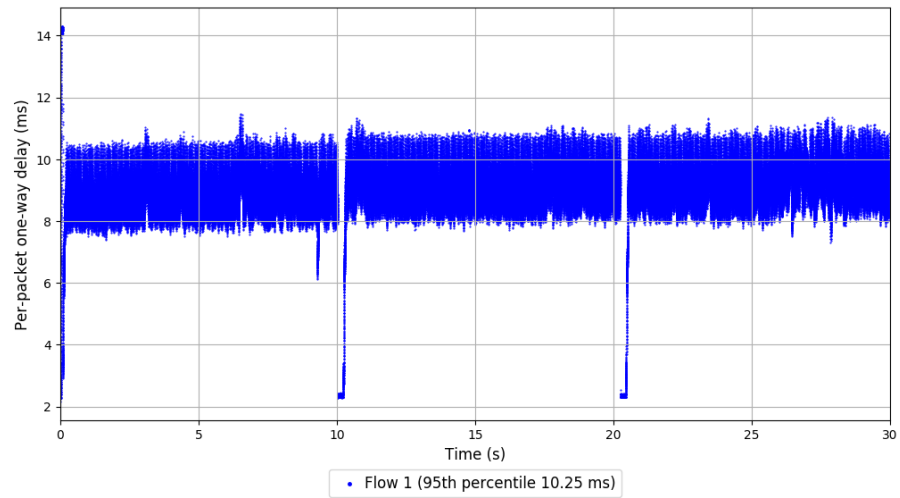
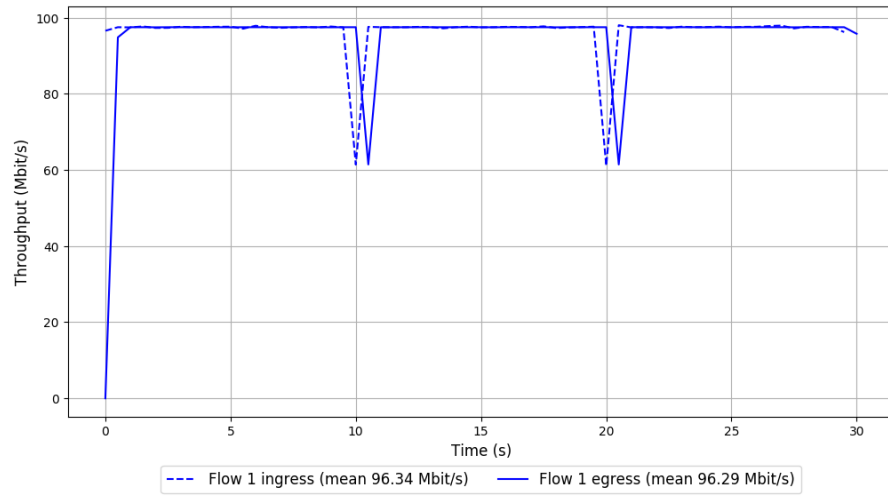


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 02:19:55
End at: 2018-07-18 02:20:25
Local clock offset: -5.725 ms
Remote clock offset: -2.582 ms

Below is generated by plot.py at 2018-07-18 04:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 10.251 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 10.251 ms
Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-18 02:38:58

End at: 2018-07-18 02:39:28

Local clock offset: -5.699 ms

Remote clock offset: -2.11 ms

Below is generated by plot.py at 2018-07-18 04:22:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 10.437 ms

Loss rate: 0.05%

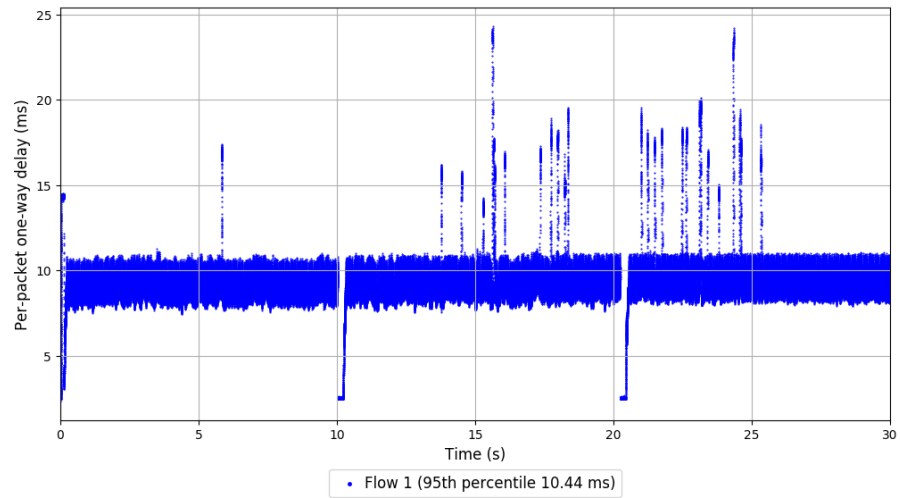
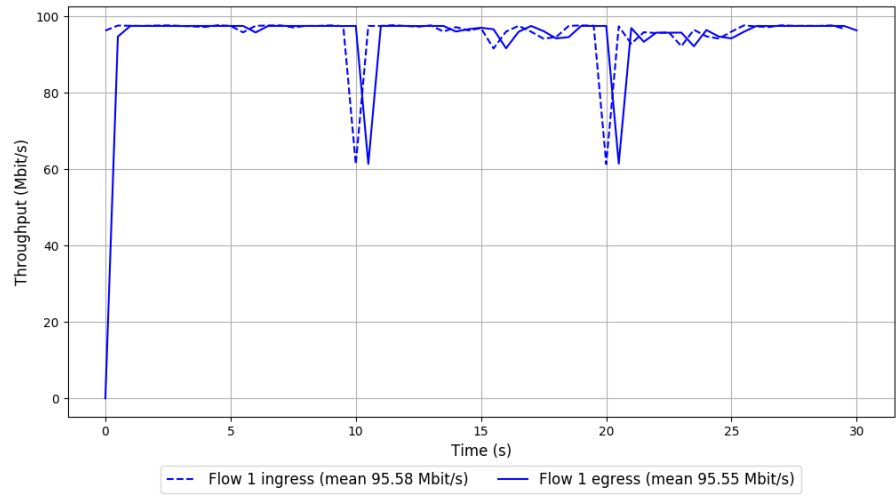
-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 10.437 ms

Loss rate: 0.05%

Run 5: Report of TCP BBR — Data Link

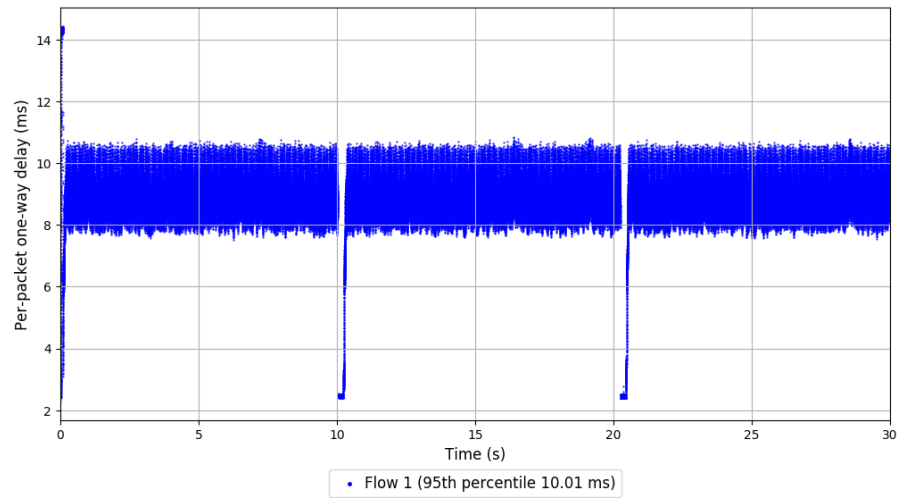
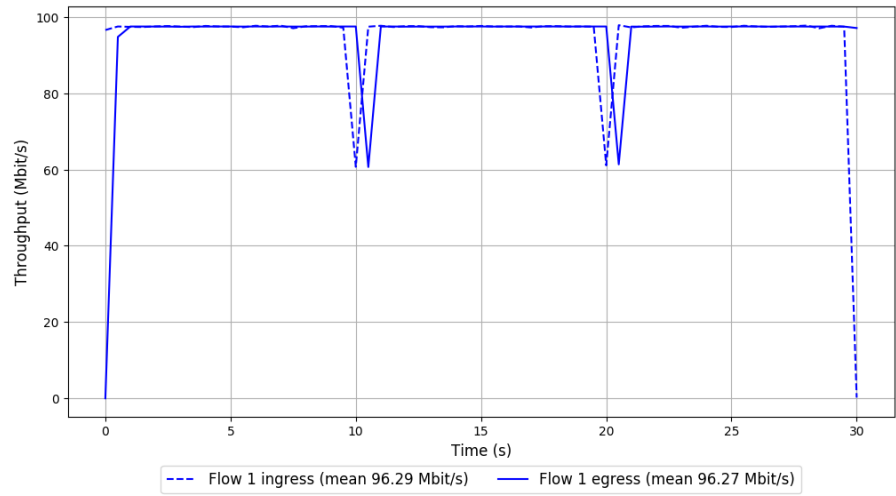


Run 6: Statistics of TCP BBR

Start at: 2018-07-18 02:58:00
End at: 2018-07-18 02:58:30
Local clock offset: -5.559 ms
Remote clock offset: -1.932 ms

Below is generated by plot.py at 2018-07-18 04:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.014 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.014 ms
Loss rate: 0.04%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-18 03:17:02

End at: 2018-07-18 03:17:32

Local clock offset: -5.435 ms

Remote clock offset: -2.33 ms

Below is generated by plot.py at 2018-07-18 04:22:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 10.320 ms

Loss rate: 0.05%

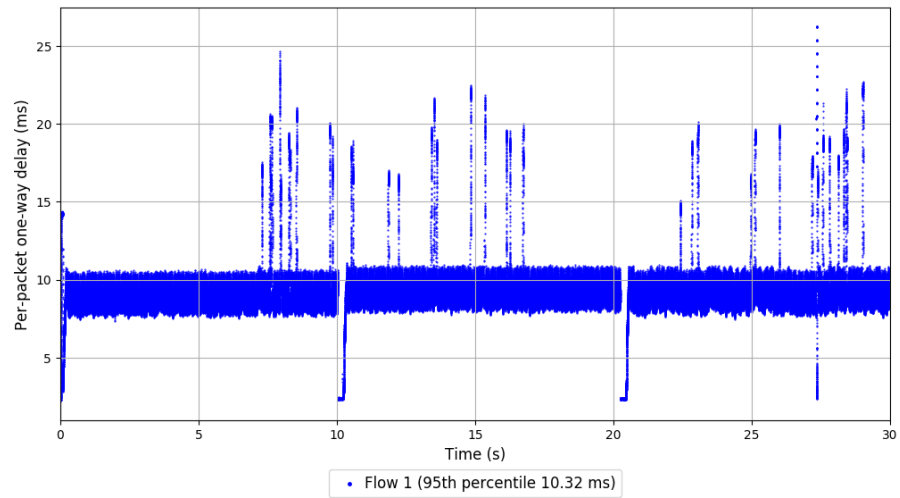
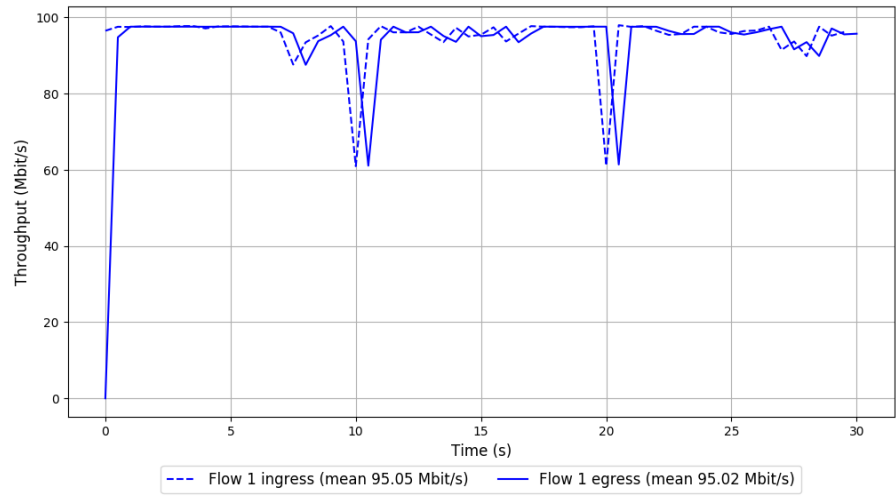
-- Flow 1:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 10.320 ms

Loss rate: 0.05%

Run 7: Report of TCP BBR — Data Link

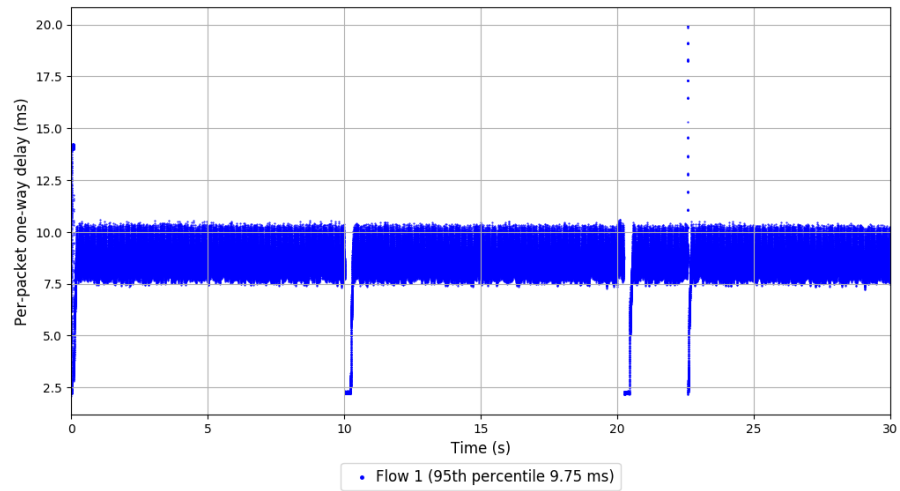
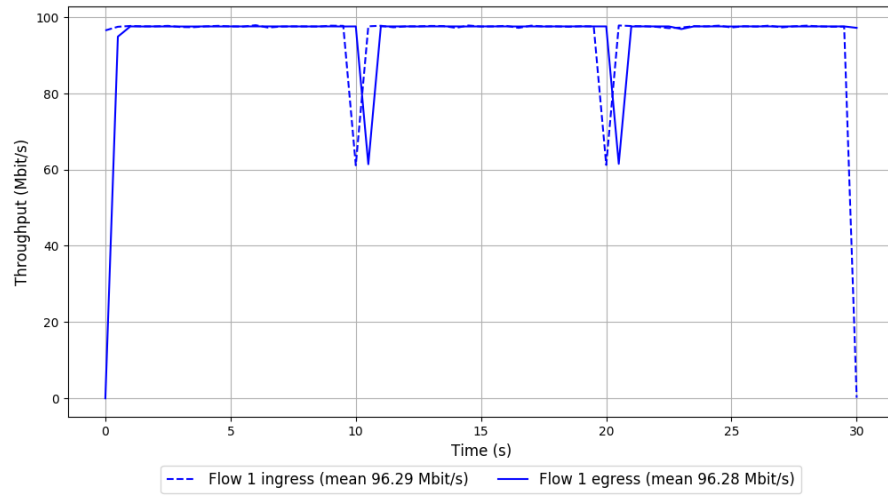


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 03:36:05
End at: 2018-07-18 03:36:35
Local clock offset: -1.966 ms
Remote clock offset: -1.876 ms

Below is generated by plot.py at 2018-07-18 04:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.753 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.753 ms
Loss rate: 0.04%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-18 03:55:07

End at: 2018-07-18 03:55:37

Local clock offset: 0.209 ms

Remote clock offset: -1.443 ms

Below is generated by plot.py at 2018-07-18 04:23:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 10.399 ms

Loss rate: 0.04%

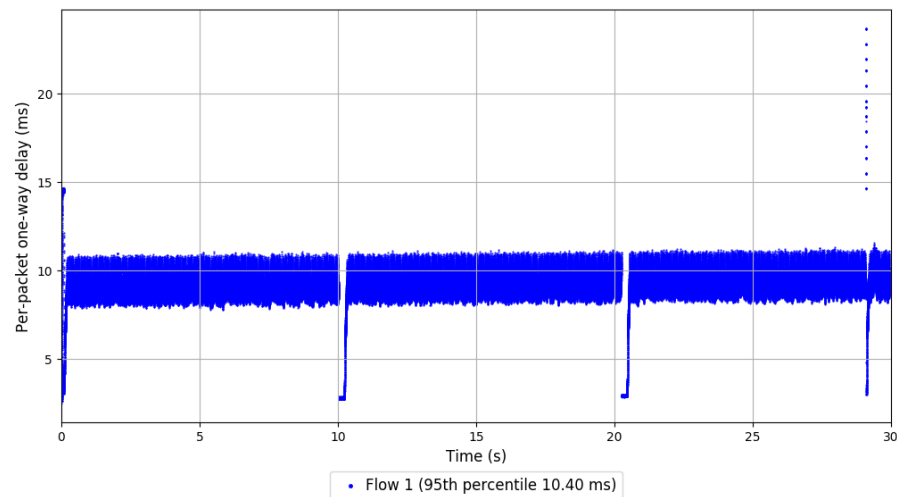
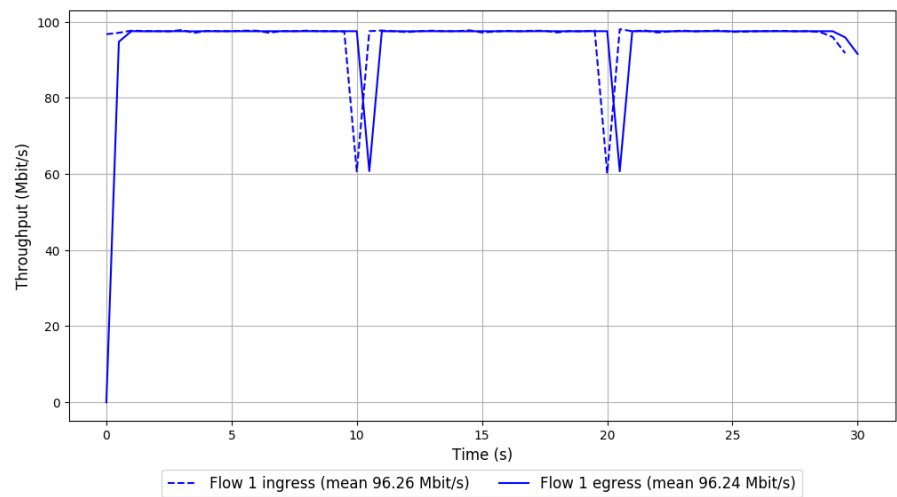
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 10.399 ms

Loss rate: 0.04%

Run 9: Report of TCP BBR — Data Link

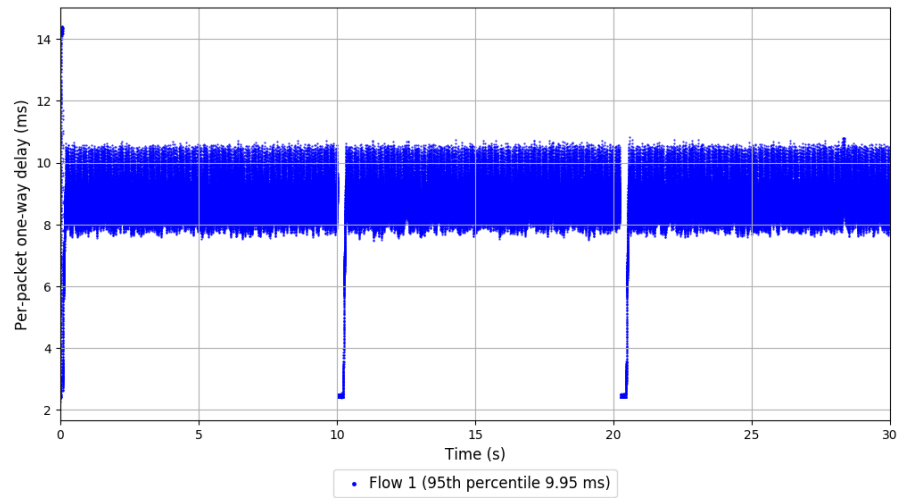
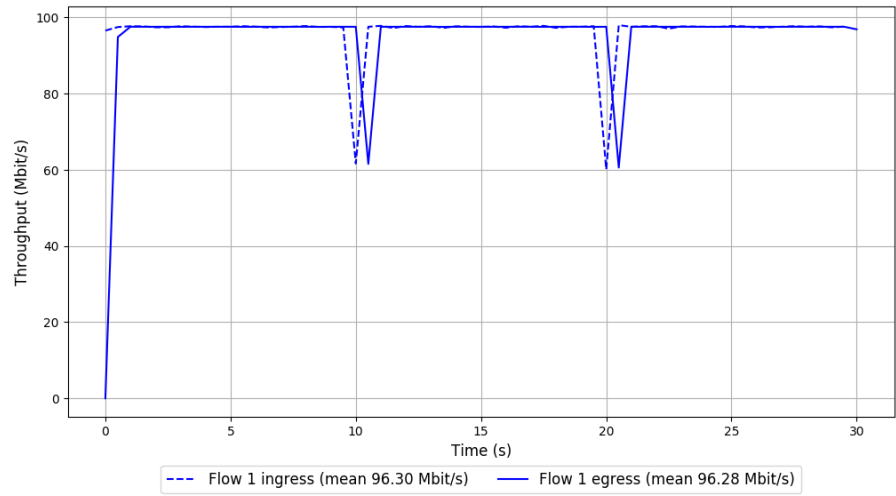


Run 10: Statistics of TCP BBR

Start at: 2018-07-18 04:14:10
End at: 2018-07-18 04:14:40
Local clock offset: -5.412 ms
Remote clock offset: -2.681 ms

Below is generated by plot.py at 2018-07-18 04:23:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.953 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.953 ms
Loss rate: 0.04%

Run 10: Report of TCP BBR — Data Link

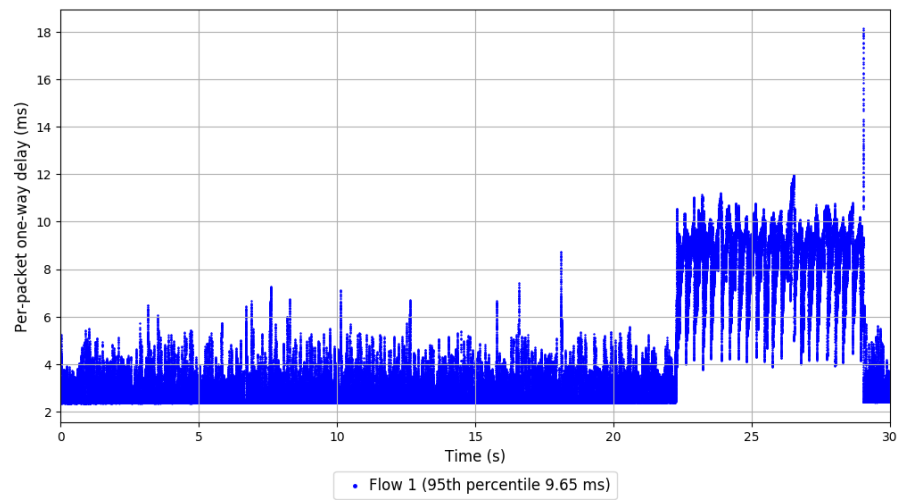
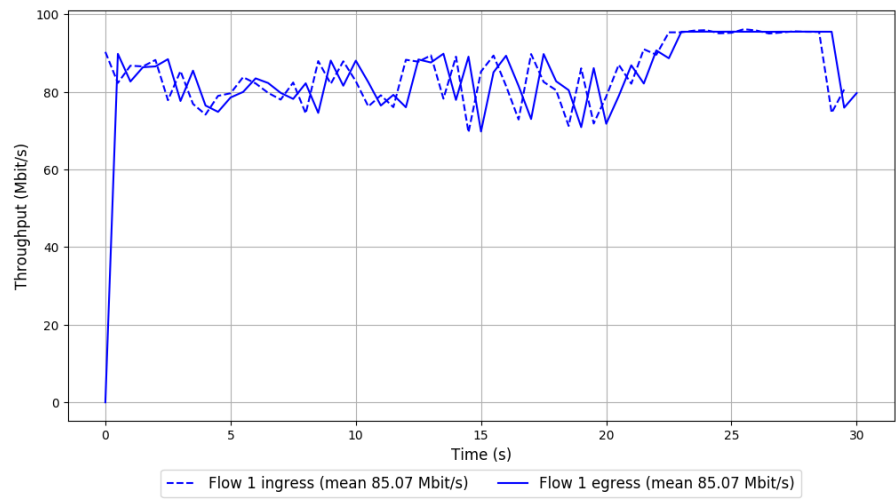


Run 1: Statistics of Copa

Start at: 2018-07-18 01:23:56
End at: 2018-07-18 01:24:26
Local clock offset: -6.595 ms
Remote clock offset: -7.612 ms

Below is generated by plot.py at 2018-07-18 04:24:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 9.654 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 9.654 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

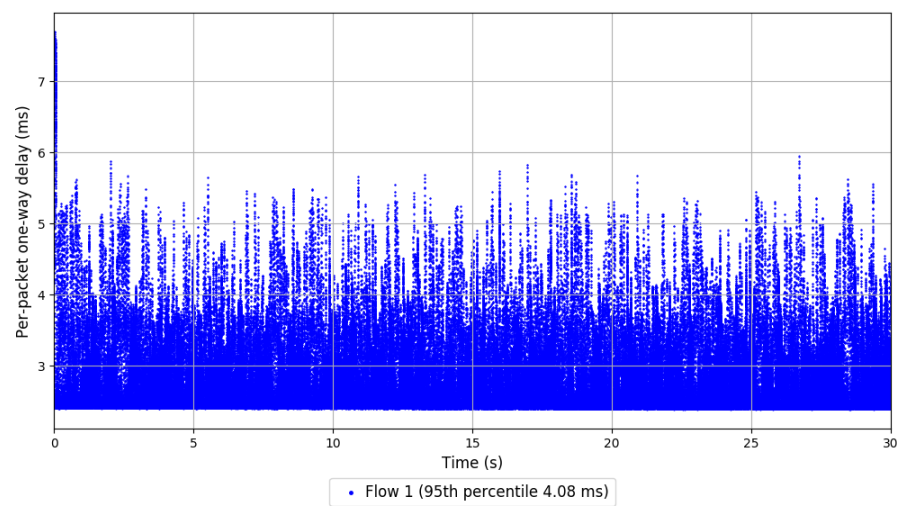
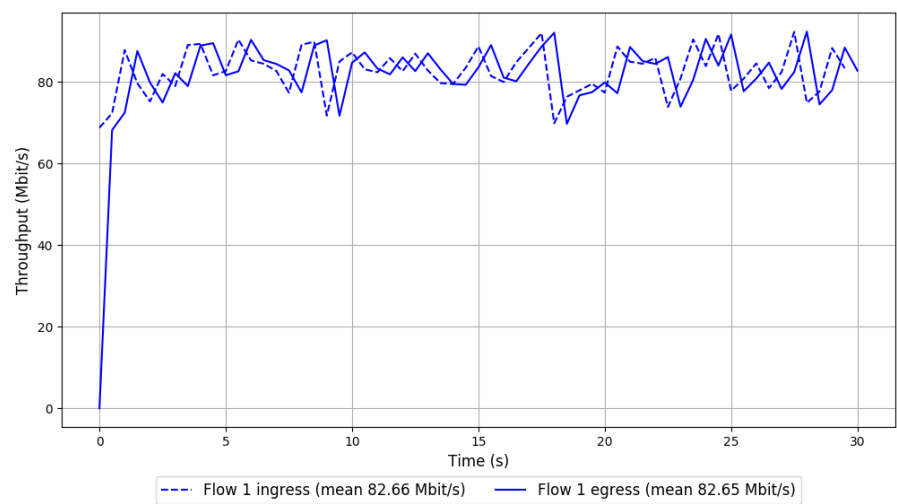


Run 2: Statistics of Copa

Start at: 2018-07-18 01:42:56
End at: 2018-07-18 01:43:26
Local clock offset: -5.877 ms
Remote clock offset: -7.544 ms

Below is generated by plot.py at 2018-07-18 04:24:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 4.078 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.65 Mbit/s
95th percentile per-packet one-way delay: 4.078 ms
Loss rate: 0.02%

Run 2: Report of Copa — Data Link

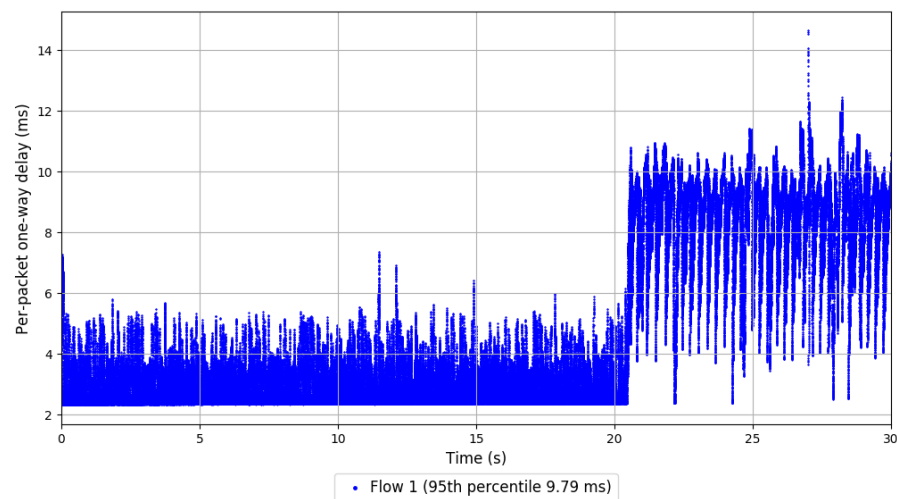
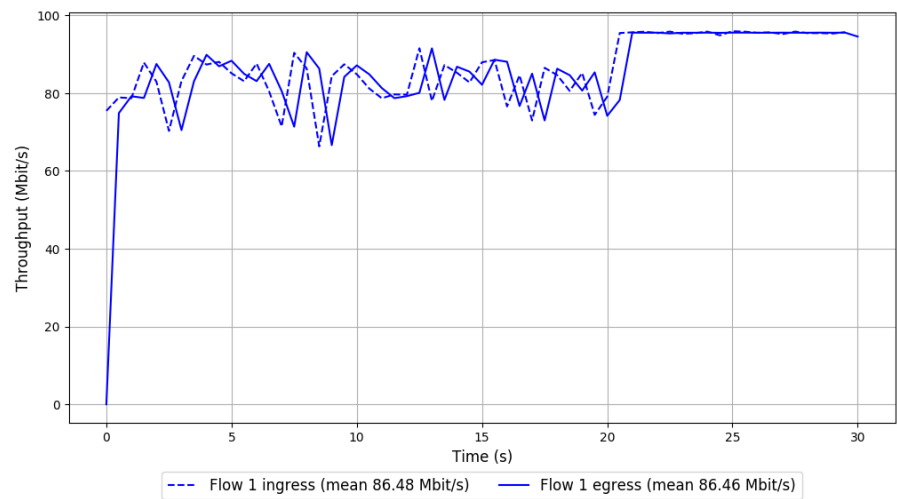


Run 3: Statistics of Copa

Start at: 2018-07-18 02:01:59
End at: 2018-07-18 02:02:29
Local clock offset: -5.801 ms
Remote clock offset: -3.633 ms

Below is generated by plot.py at 2018-07-18 04:24:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 9.791 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 9.791 ms
Loss rate: 0.05%

Run 3: Report of Copa — Data Link

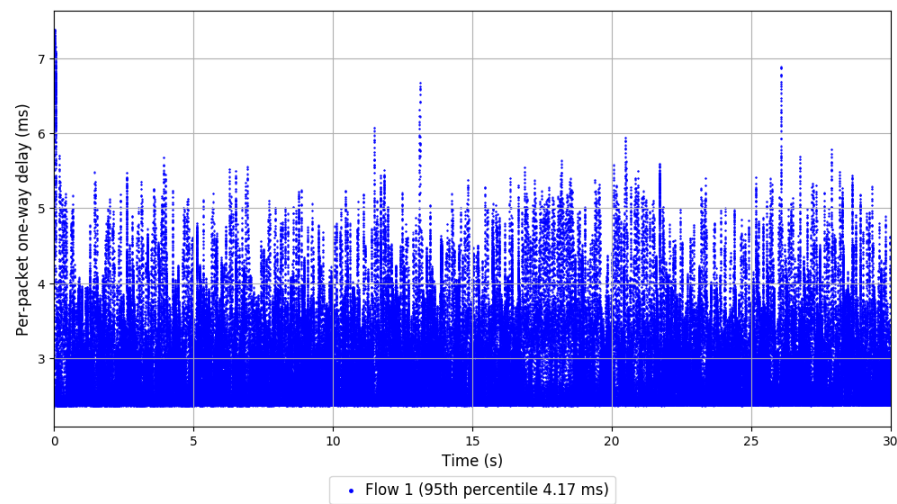
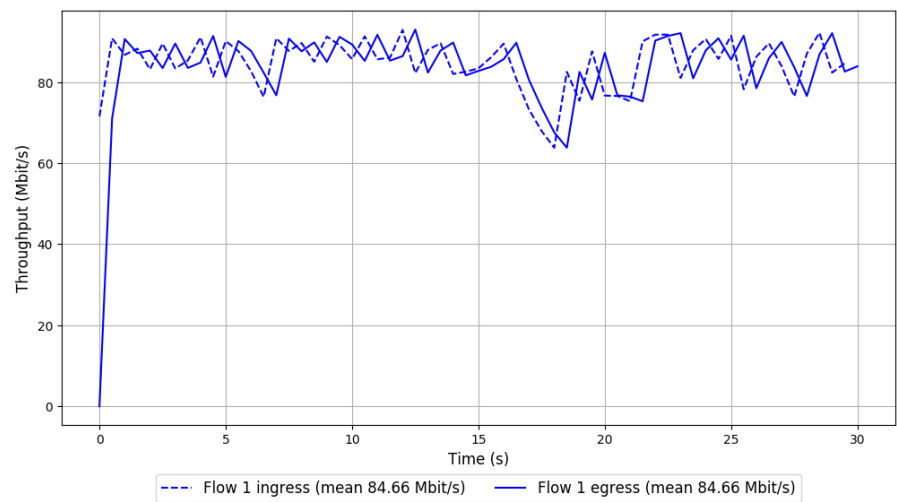


Run 4: Statistics of Copa

Start at: 2018-07-18 02:21:02
End at: 2018-07-18 02:21:32
Local clock offset: -5.723 ms
Remote clock offset: -2.645 ms

Below is generated by plot.py at 2018-07-18 04:24:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 4.167 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 4.167 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

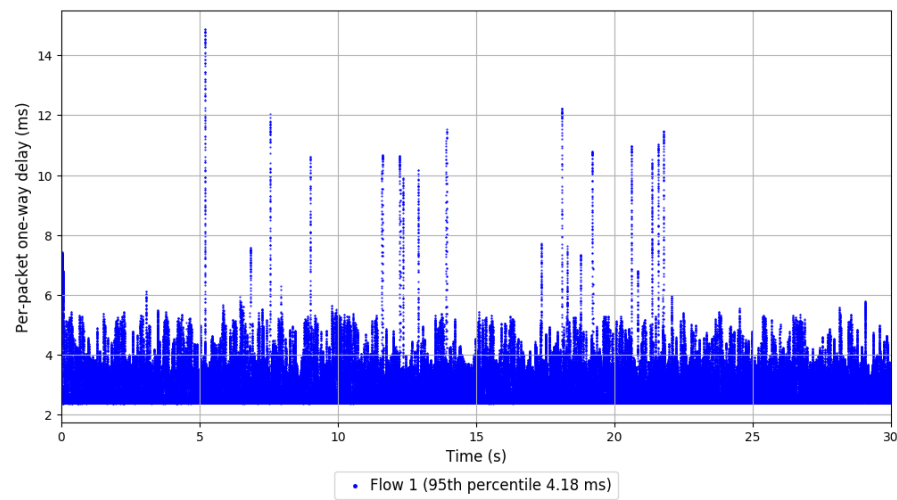
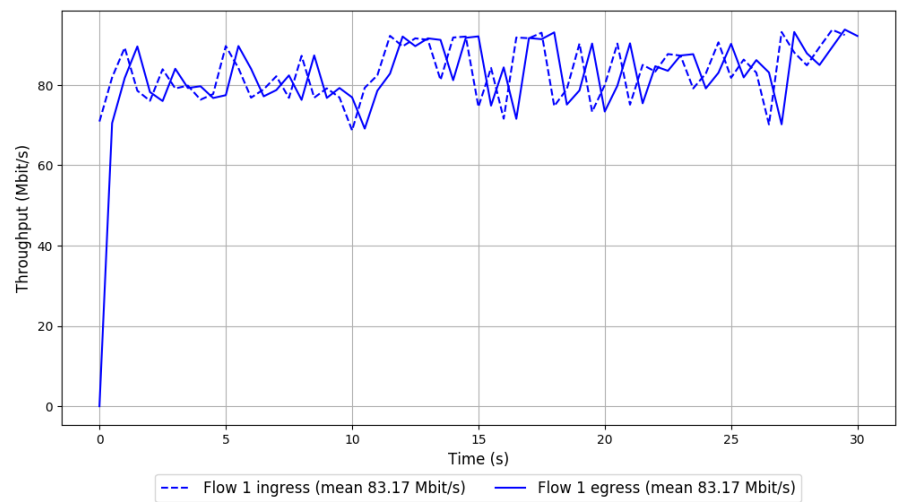


Run 5: Statistics of Copa

Start at: 2018-07-18 02:40:05
End at: 2018-07-18 02:40:35
Local clock offset: -5.687 ms
Remote clock offset: -2.005 ms

Below is generated by plot.py at 2018-07-18 04:24:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 4.180 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 4.180 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link

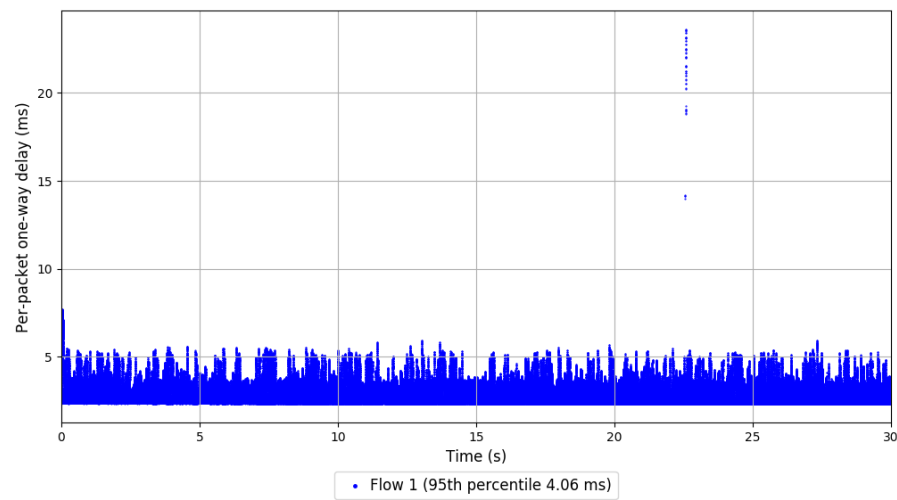
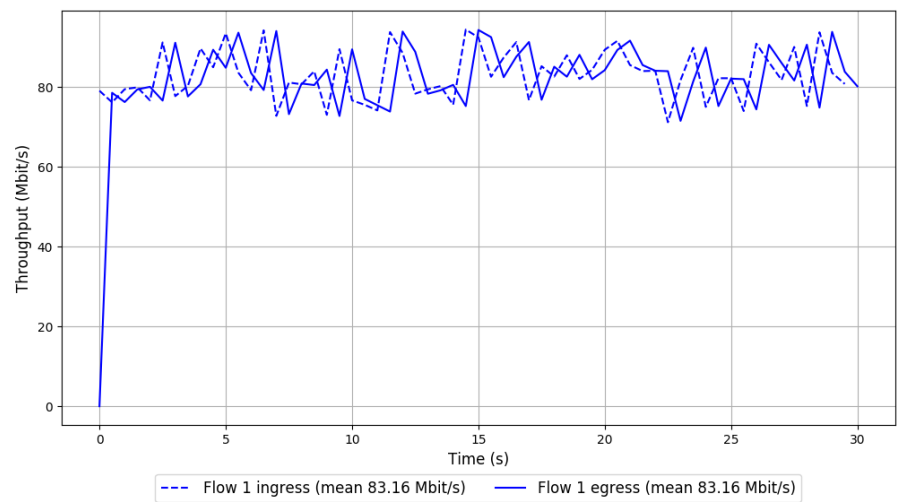


Run 6: Statistics of Copa

Start at: 2018-07-18 02:59:07
End at: 2018-07-18 02:59:37
Local clock offset: -5.562 ms
Remote clock offset: -1.964 ms

Below is generated by plot.py at 2018-07-18 04:24:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 4.056 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 4.056 ms
Loss rate: 0.02%

Run 6: Report of Copa — Data Link

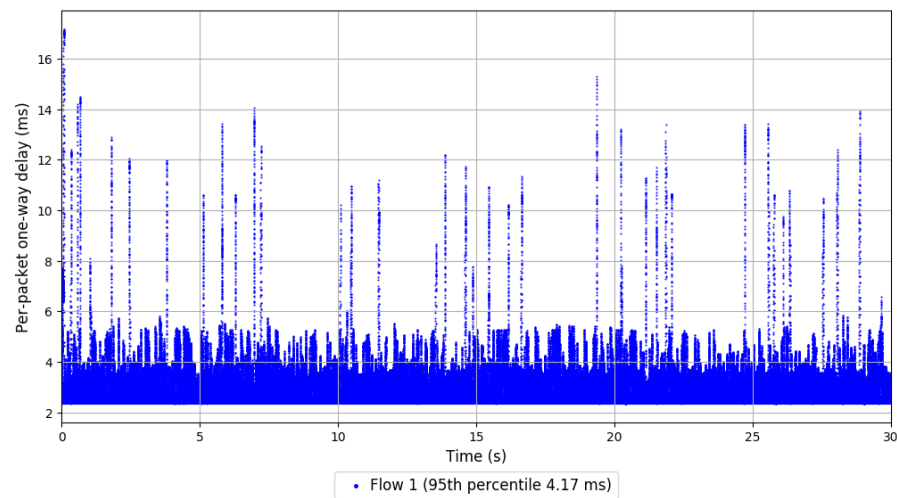
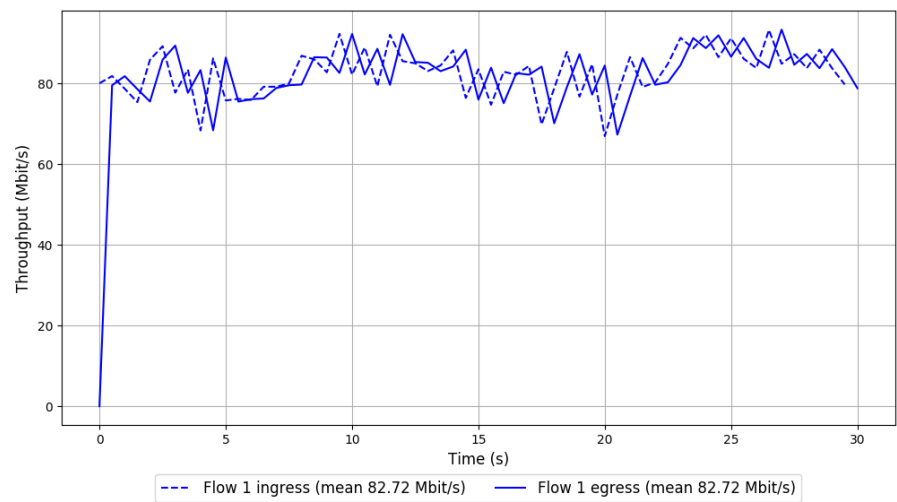


Run 7: Statistics of Copa

Start at: 2018-07-18 03:18:10
End at: 2018-07-18 03:18:40
Local clock offset: -5.491 ms
Remote clock offset: -2.464 ms

Below is generated by plot.py at 2018-07-18 04:25:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 4.166 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 4.166 ms
Loss rate: 0.02%

Run 7: Report of Copa — Data Link

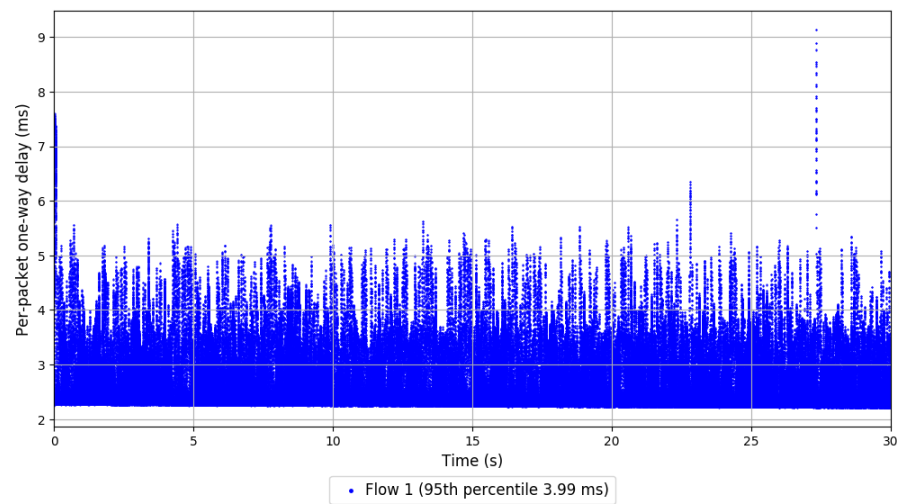
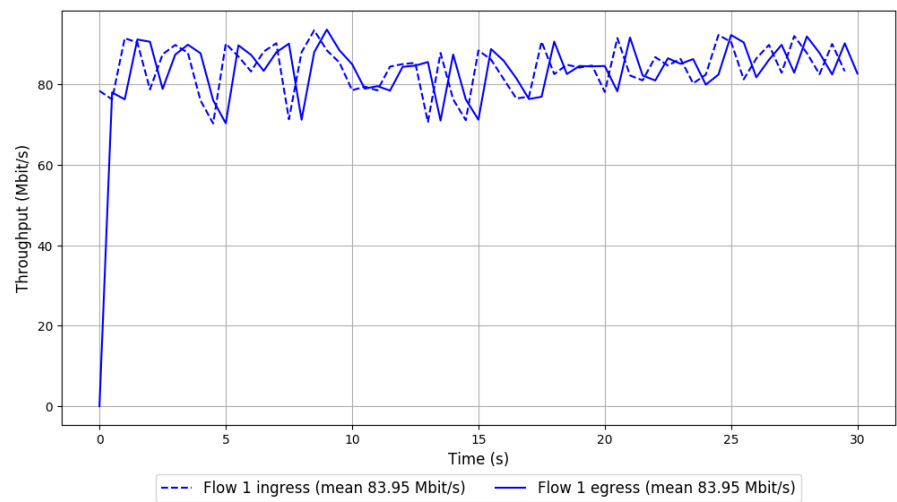


Run 8: Statistics of Copa

Start at: 2018-07-18 03:37:12
End at: 2018-07-18 03:37:42
Local clock offset: -1.739 ms
Remote clock offset: -1.858 ms

Below is generated by plot.py at 2018-07-18 04:25:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 3.989 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 3.989 ms
Loss rate: 0.02%

Run 8: Report of Copa — Data Link

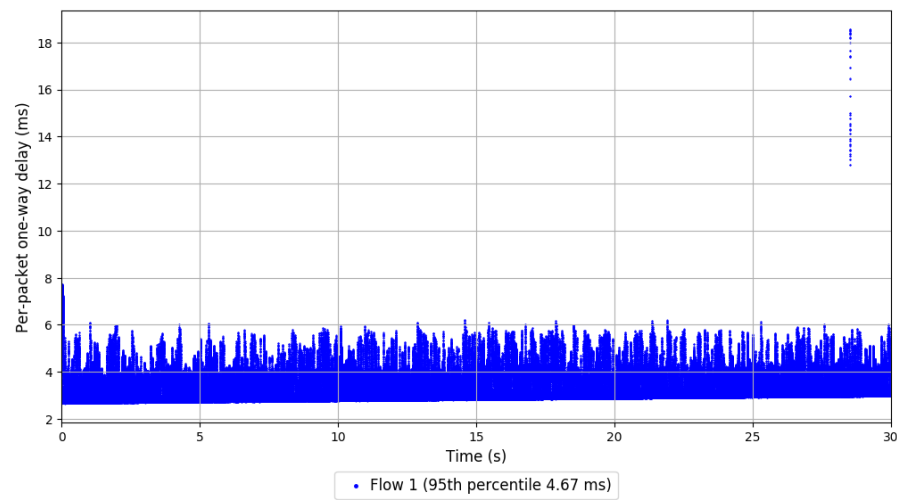
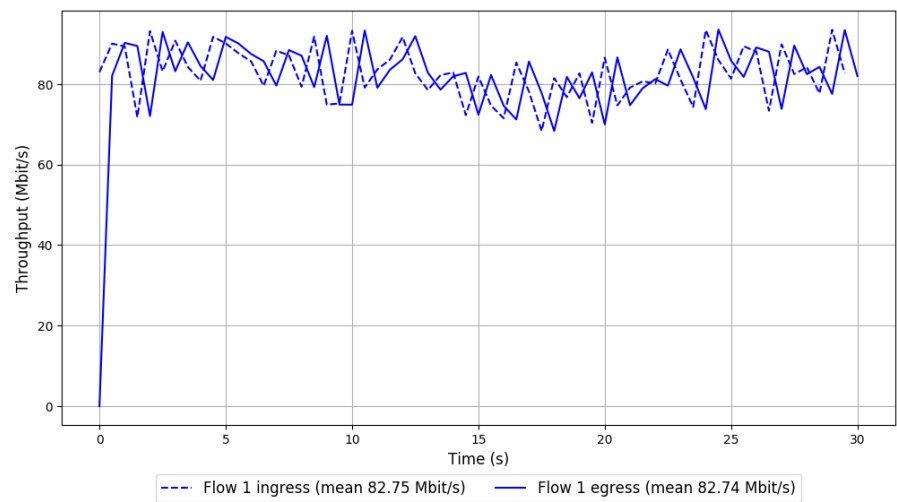


Run 9: Statistics of Copa

Start at: 2018-07-18 03:56:15
End at: 2018-07-18 03:56:45
Local clock offset: -0.433 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-07-18 04:25:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 4.672 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 4.672 ms
Loss rate: 0.03%

Run 9: Report of Copa — Data Link

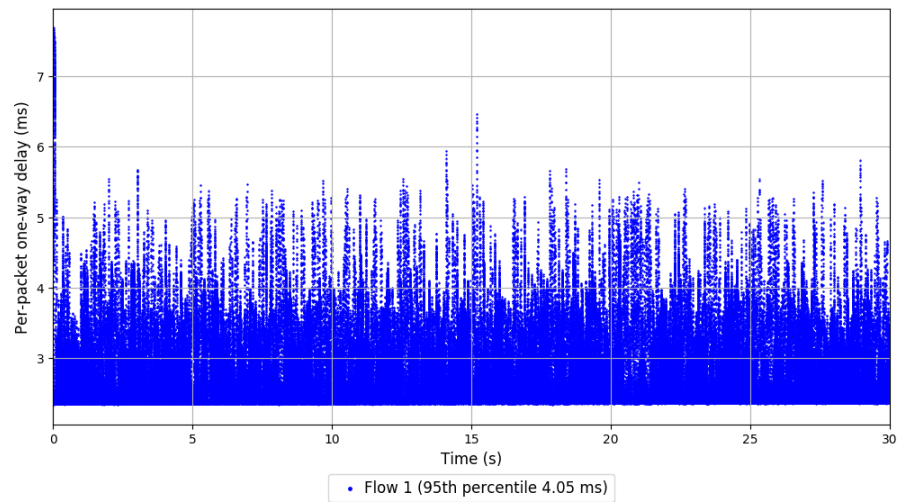
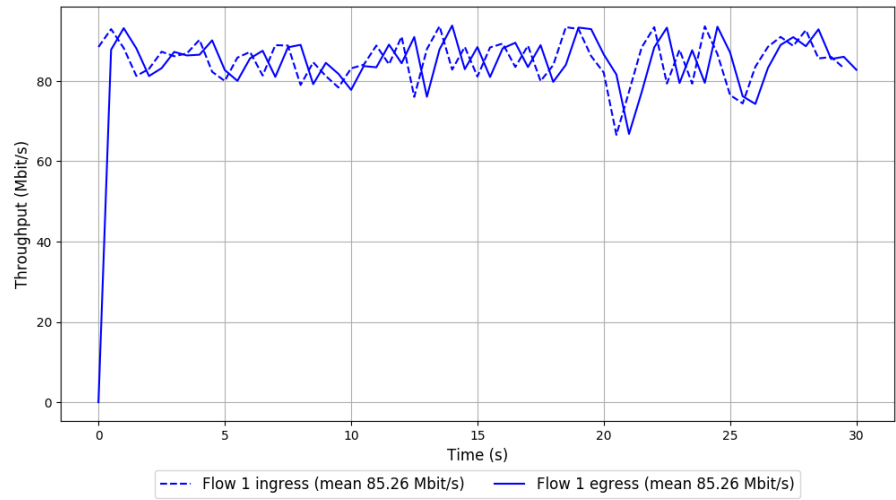


Run 10: Statistics of Copa

Start at: 2018-07-18 04:15:17
End at: 2018-07-18 04:15:47
Local clock offset: -5.528 ms
Remote clock offset: -2.747 ms

Below is generated by plot.py at 2018-07-18 04:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.02%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 01:12:44

End at: 2018-07-18 01:13:14

Local clock offset: -6.41 ms

Remote clock offset: -9.684 ms

Below is generated by plot.py at 2018-07-18 04:26:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.636 ms

Loss rate: 0.06%

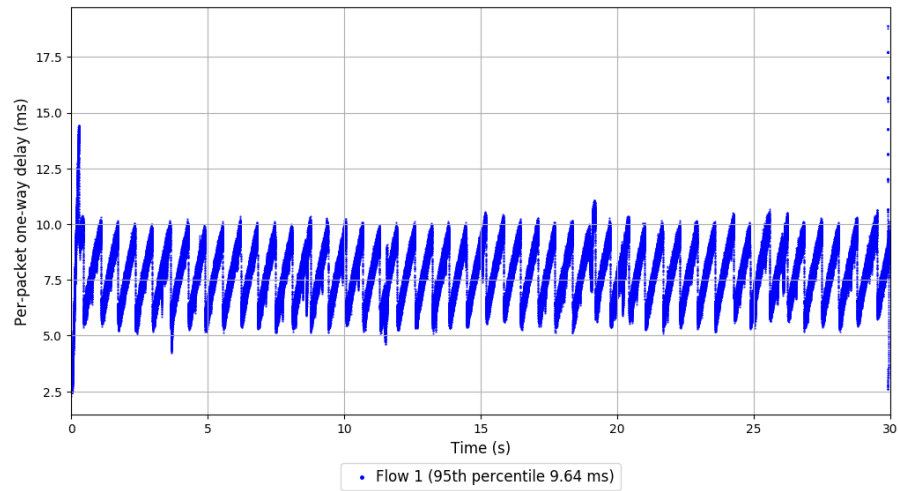
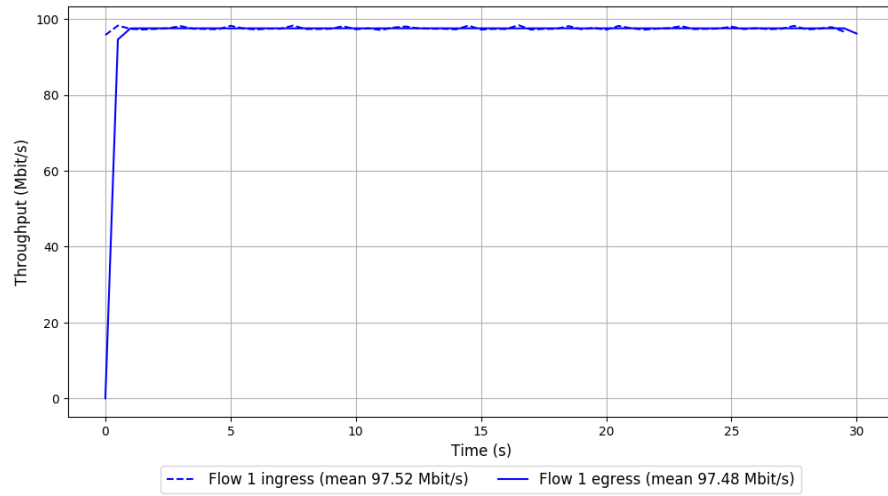
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.636 ms

Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

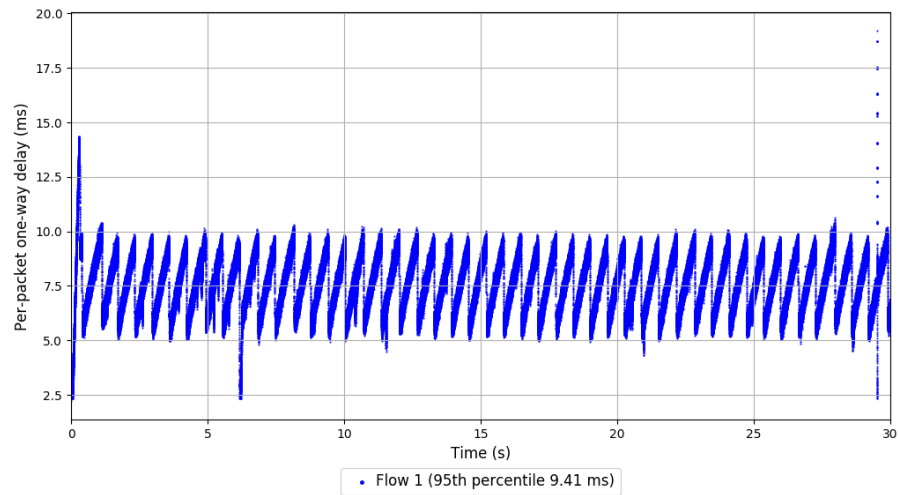
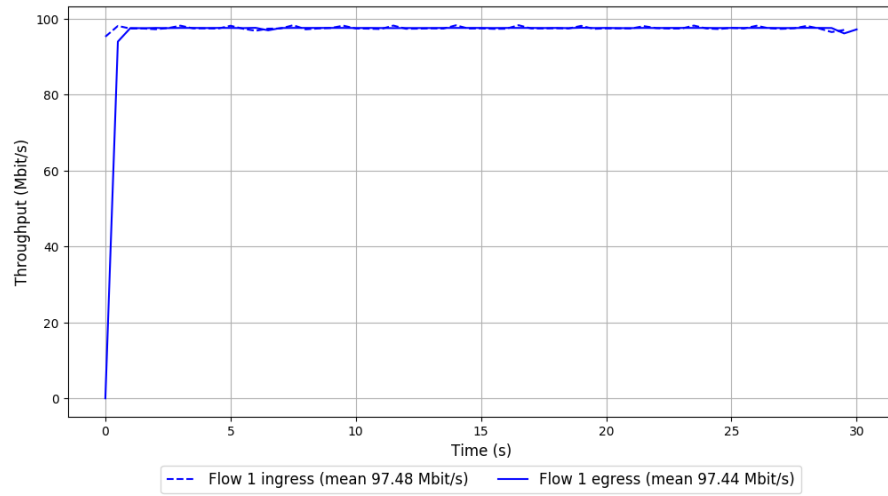


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 01:31:42
End at: 2018-07-18 01:32:12
Local clock offset: -6.138 ms
Remote clock offset: -7.362 ms

Below is generated by plot.py at 2018-07-18 04:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.407 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.407 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

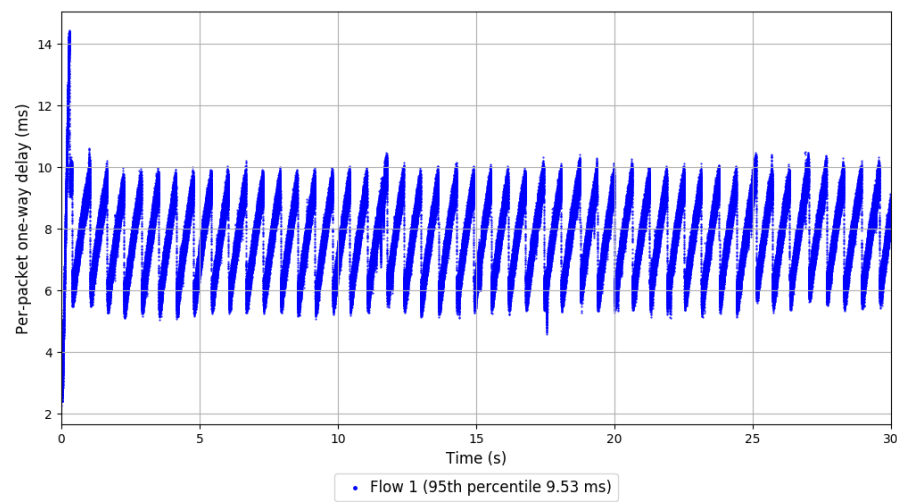
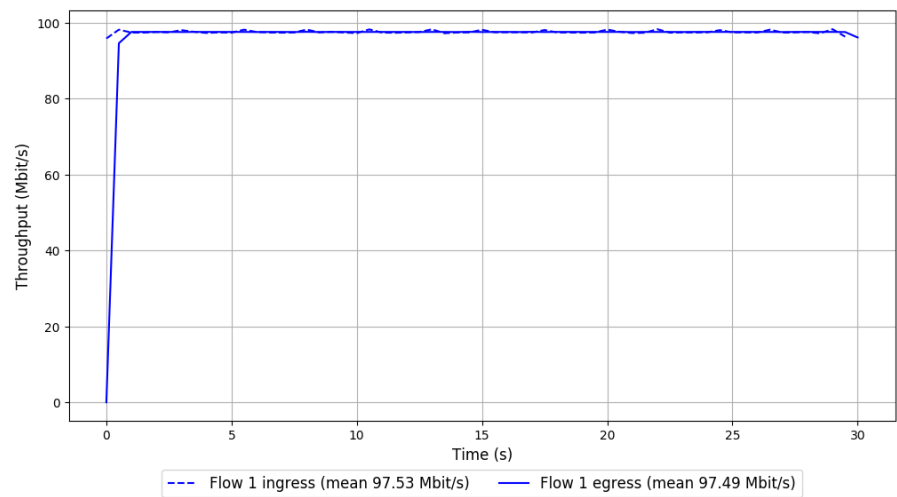


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 01:50:42
End at: 2018-07-18 01:51:12
Local clock offset: -5.869 ms
Remote clock offset: -5.852 ms

Below is generated by plot.py at 2018-07-18 04:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.528 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.528 ms
Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link

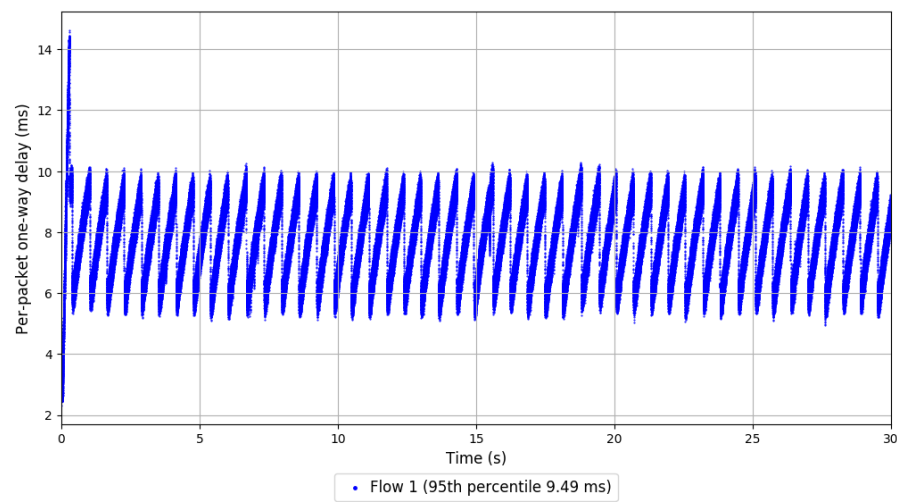
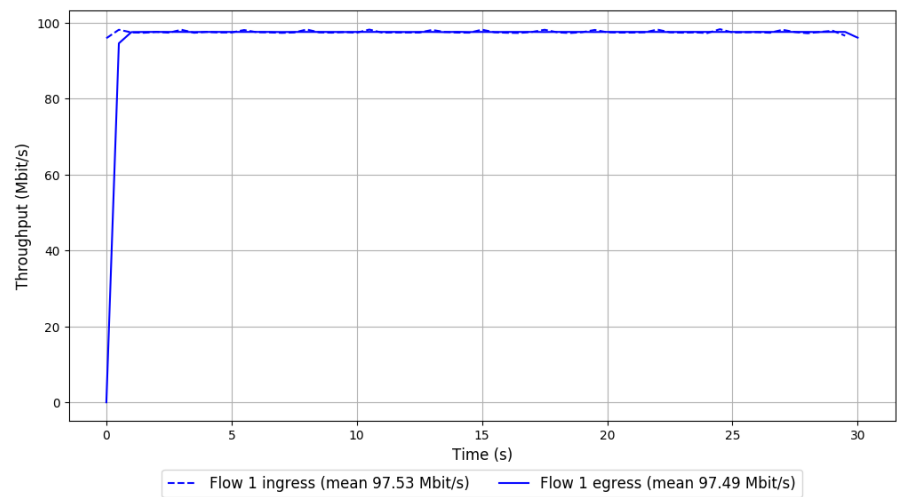


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 02:09:45
End at: 2018-07-18 02:10:15
Local clock offset: -5.772 ms
Remote clock offset: -3.115 ms

Below is generated by plot.py at 2018-07-18 04:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.486 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.486 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

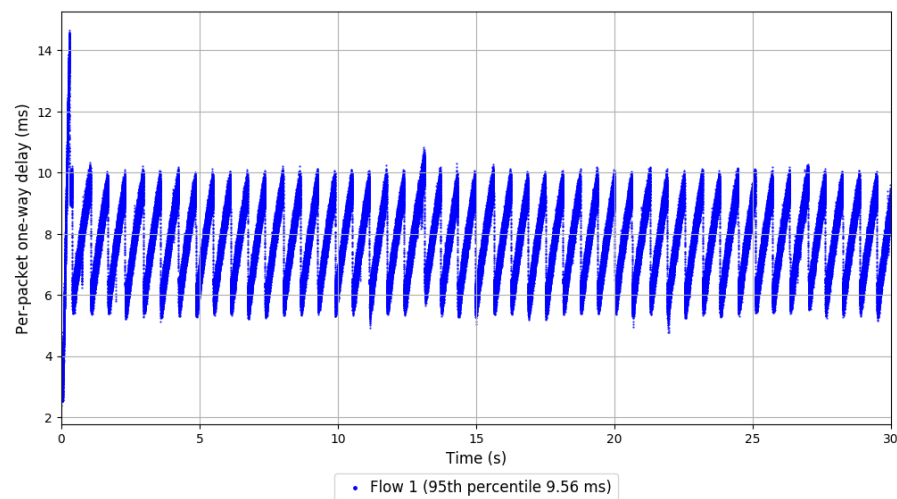
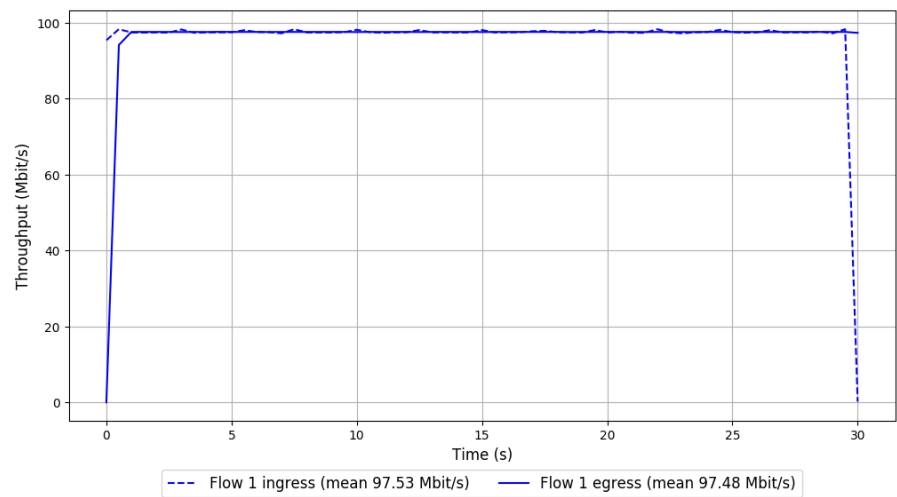


Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 02:28:48
End at: 2018-07-18 02:29:18
Local clock offset: -5.635 ms
Remote clock offset: -2.428 ms

Below is generated by plot.py at 2018-07-18 04:26:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 9.556 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 9.556 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

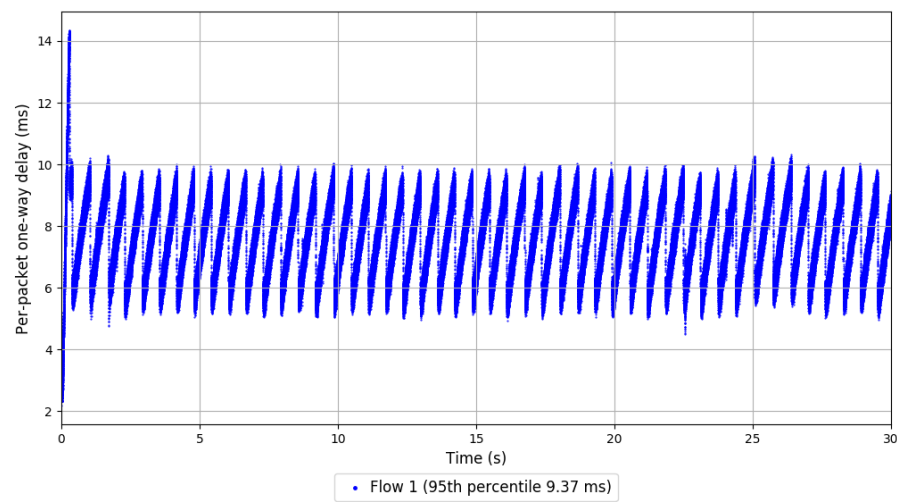
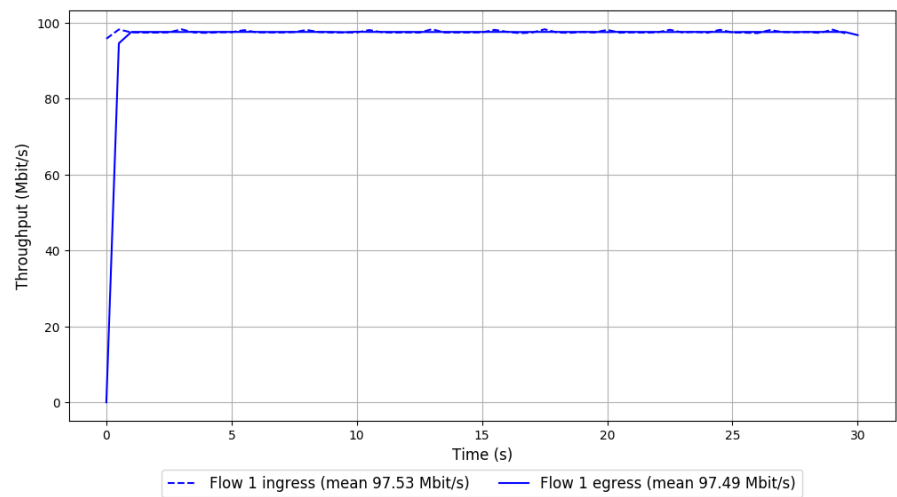


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 02:47:51
End at: 2018-07-18 02:48:21
Local clock offset: -5.696 ms
Remote clock offset: -1.803 ms

Below is generated by plot.py at 2018-07-18 04:26:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.367 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.367 ms
Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link

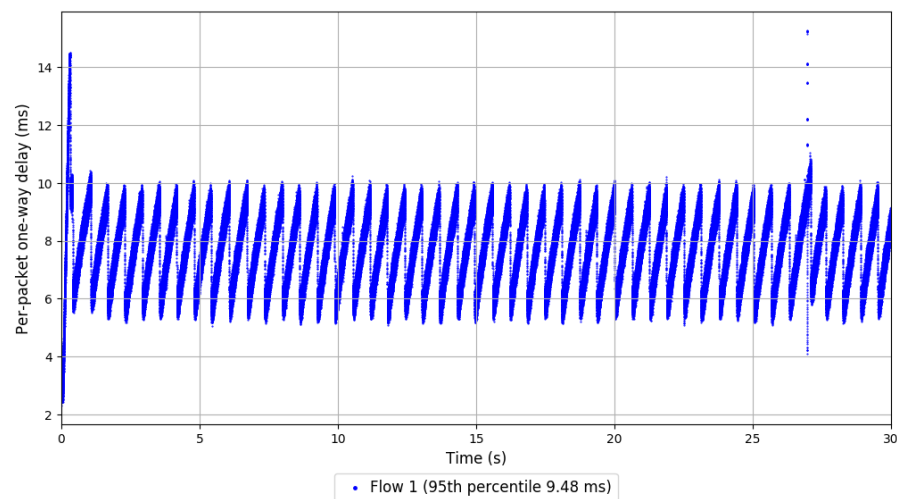
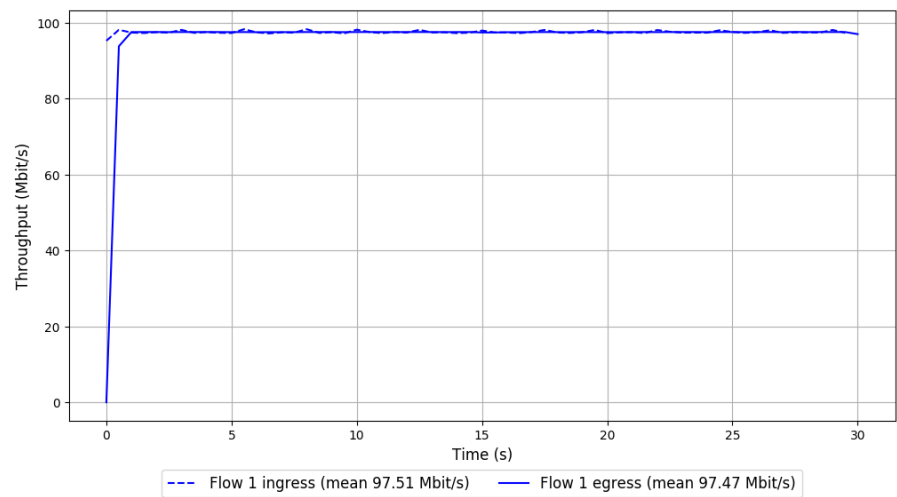


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 03:06:53
End at: 2018-07-18 03:07:23
Local clock offset: -5.505 ms
Remote clock offset: -2.308 ms

Below is generated by plot.py at 2018-07-18 04:26:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 9.479 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 9.479 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link

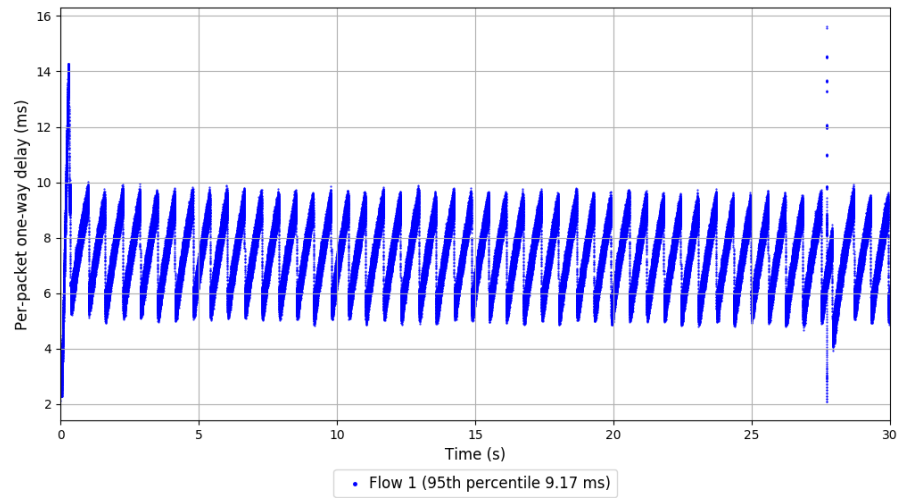
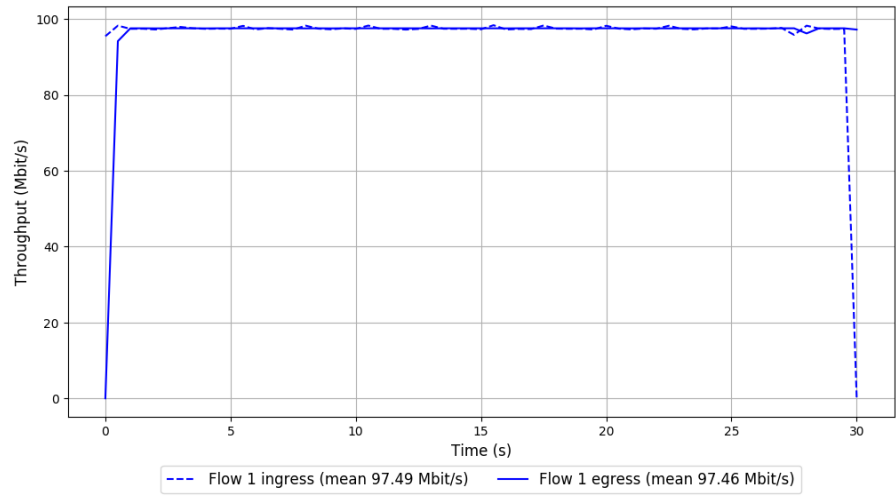


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 03:25:55
End at: 2018-07-18 03:26:25
Local clock offset: -4.959 ms
Remote clock offset: -2.461 ms

Below is generated by plot.py at 2018-07-18 04:26:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.167 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.167 ms
Loss rate: 0.05%

Run 8: Report of TCP Cubic — Data Link

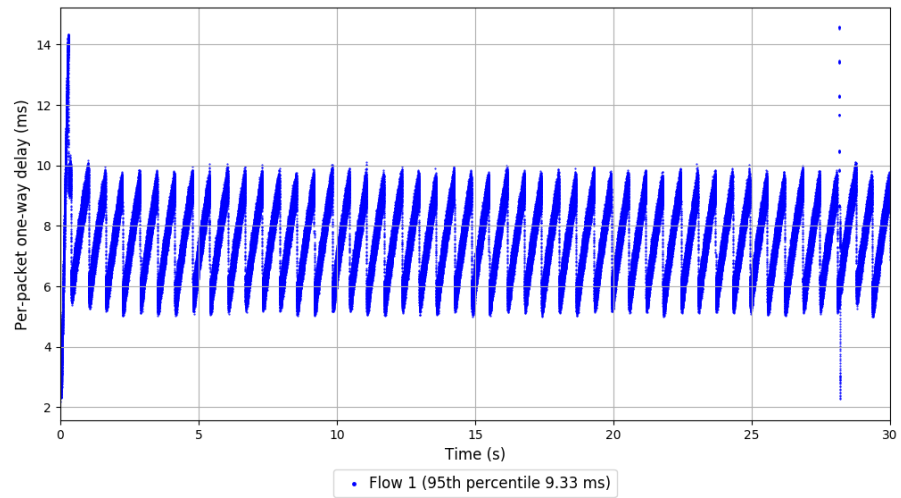
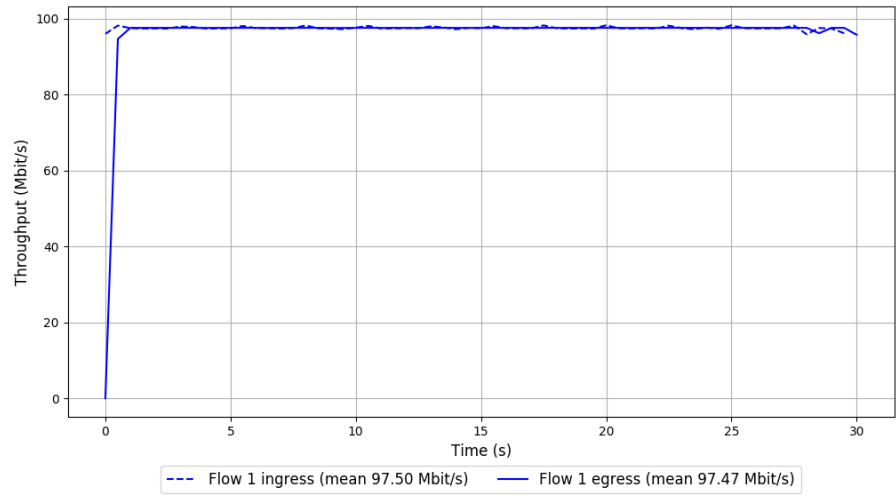


Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 03:44:58
End at: 2018-07-18 03:45:28
Local clock offset: -0.652 ms
Remote clock offset: -1.571 ms

Below is generated by plot.py at 2018-07-18 04:26:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 9.330 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 9.330 ms
Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 04:04:00

End at: 2018-07-18 04:04:31

Local clock offset: -3.698 ms

Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-07-18 04:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.603 ms

Loss rate: 0.06%

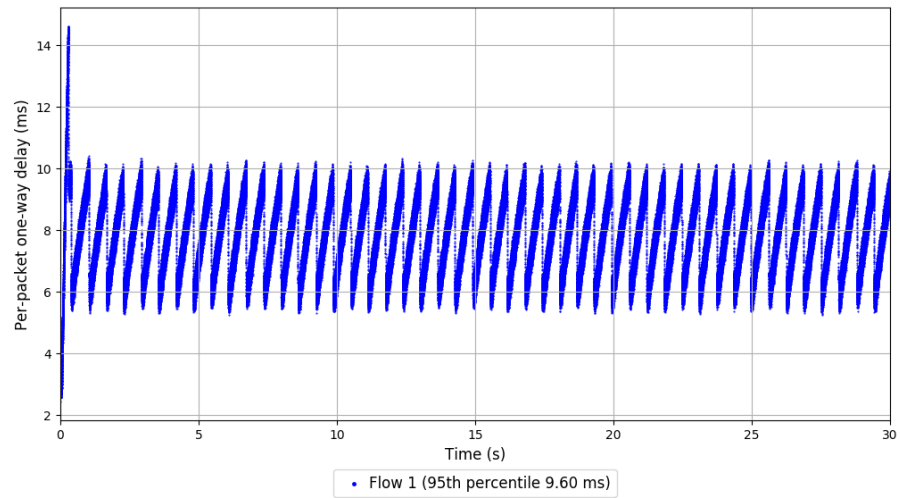
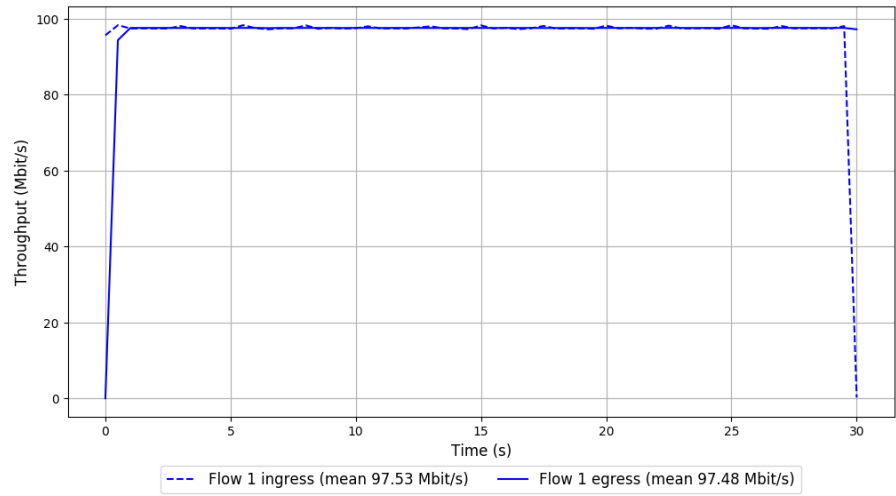
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.603 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

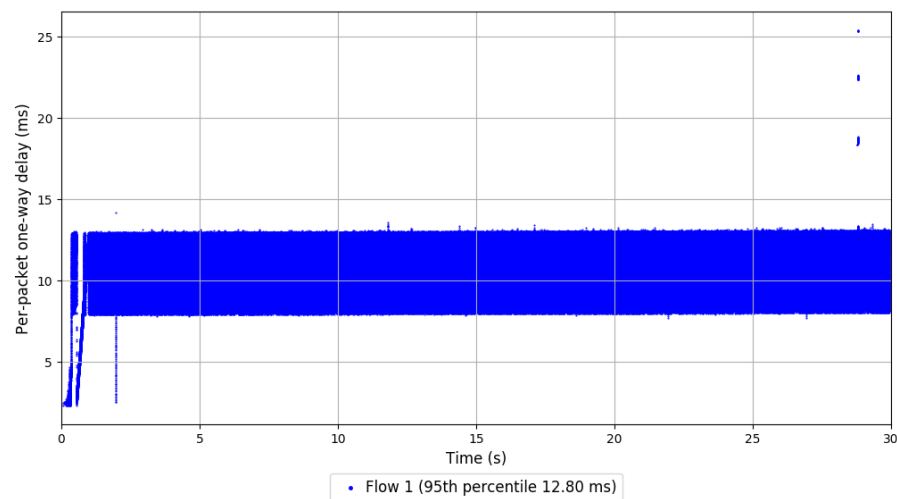
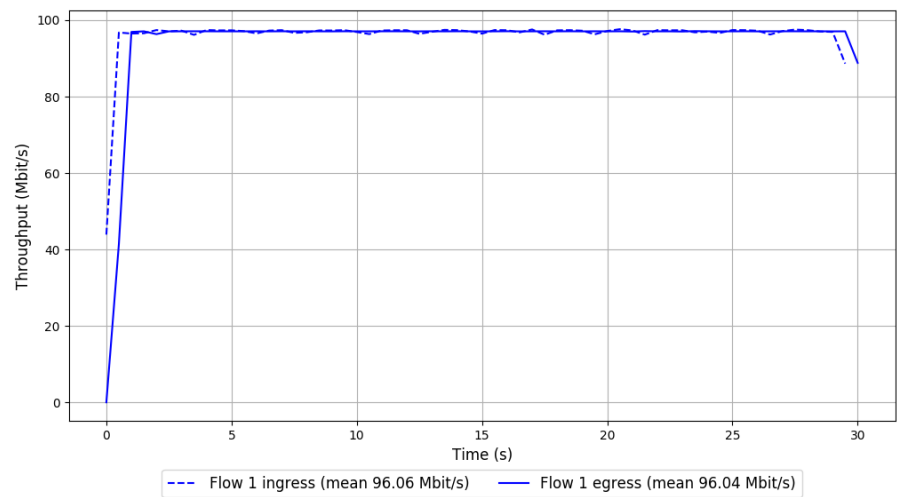


Run 1: Statistics of FillP

Start at: 2018-07-18 01:14:58
End at: 2018-07-18 01:15:29
Local clock offset: -6.495 ms
Remote clock offset: -9.093 ms

Below is generated by plot.py at 2018-07-18 04:27:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 12.804 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 12.804 ms
Loss rate: 0.04%

Run 1: Report of FillP — Data Link

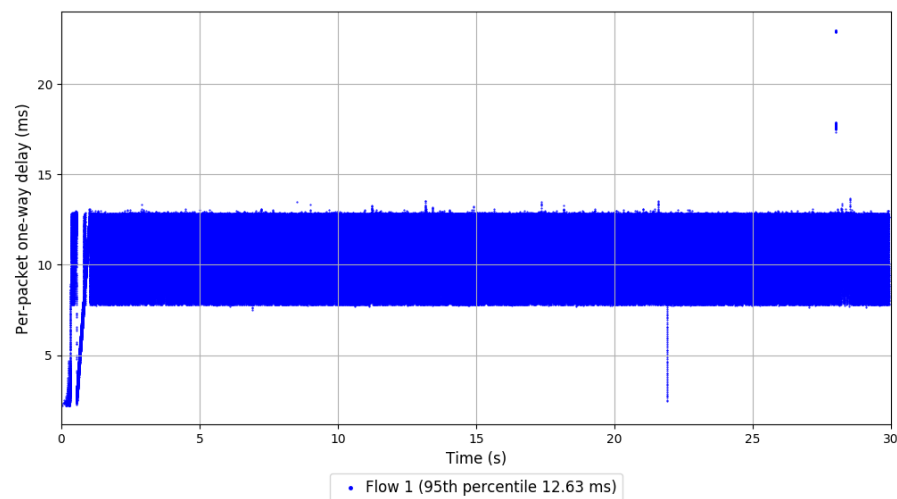
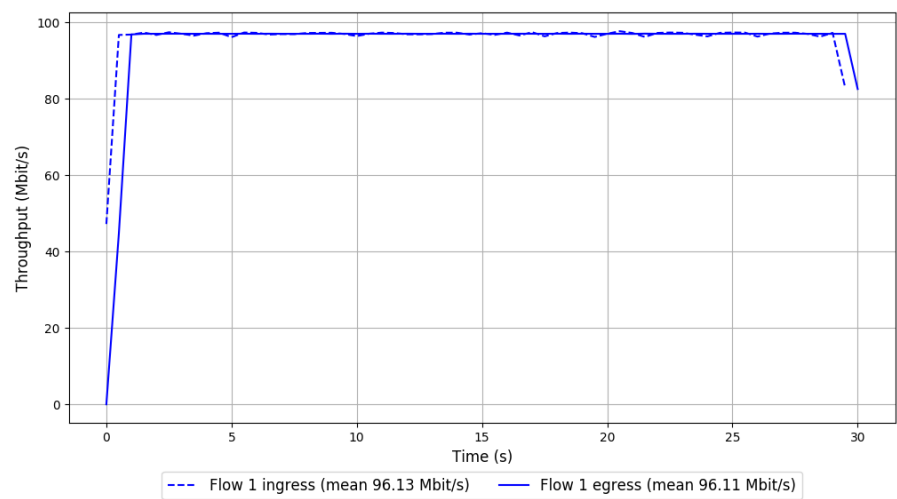


Run 2: Statistics of FillP

Start at: 2018-07-18 01:33:57
End at: 2018-07-18 01:34:27
Local clock offset: -6.038 ms
Remote clock offset: -7.344 ms

Below is generated by plot.py at 2018-07-18 04:27:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.628 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.628 ms
Loss rate: 0.04%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-18 01:52:57

End at: 2018-07-18 01:53:27

Local clock offset: -5.958 ms

Remote clock offset: -5.21 ms

Below is generated by plot.py at 2018-07-18 04:27:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 12.669 ms

Loss rate: 0.04%

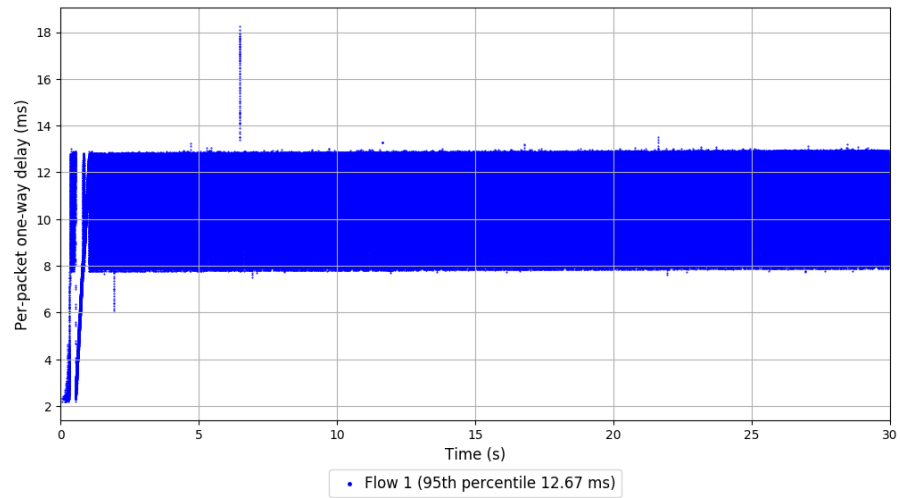
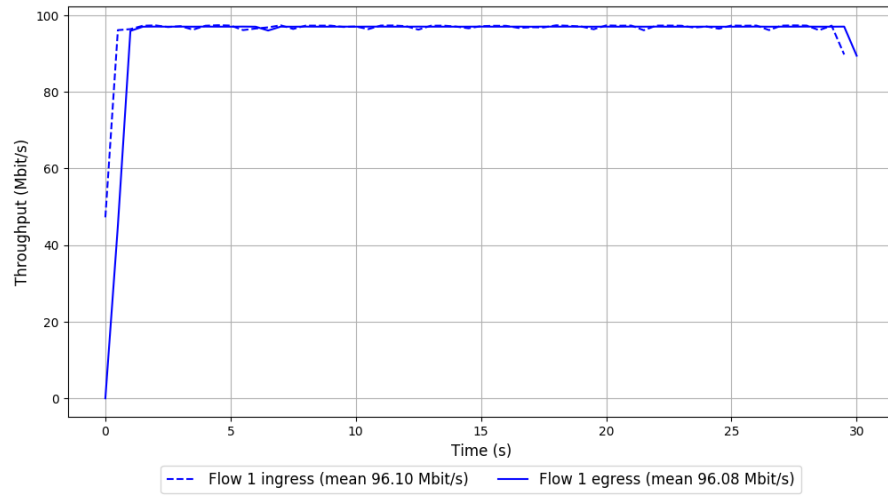
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 12.669 ms

Loss rate: 0.04%

Run 3: Report of FillP — Data Link

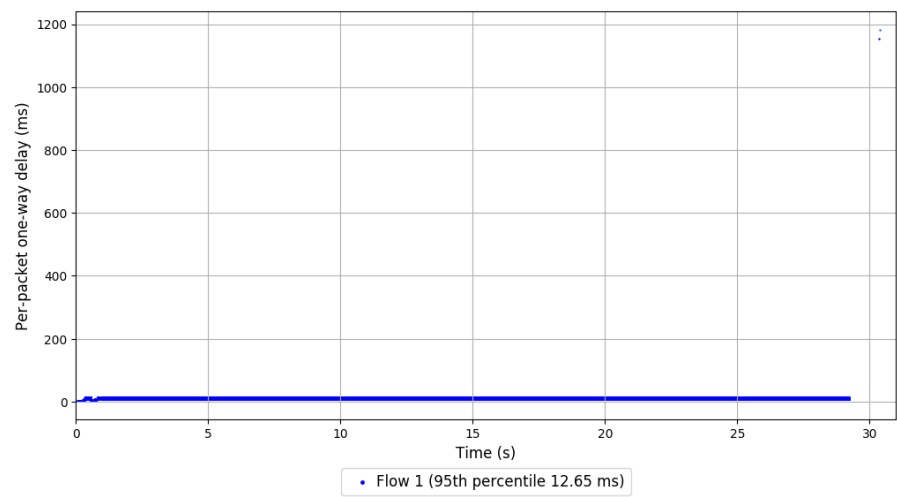
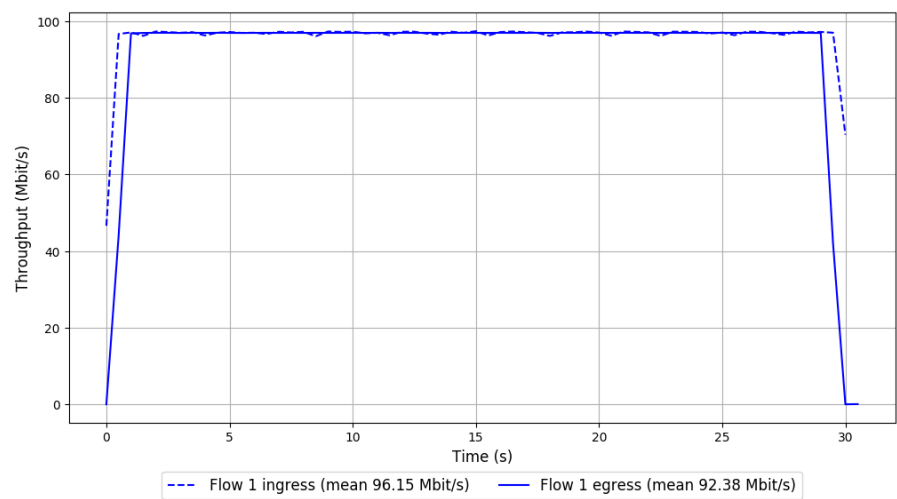


Run 4: Statistics of FillP

Start at: 2018-07-18 02:11:59
End at: 2018-07-18 02:12:30
Local clock offset: -5.79 ms
Remote clock offset: -2.911 ms

Below is generated by plot.py at 2018-07-18 04:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 12.649 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 12.649 ms
Loss rate: 3.85%

Run 4: Report of FillP — Data Link

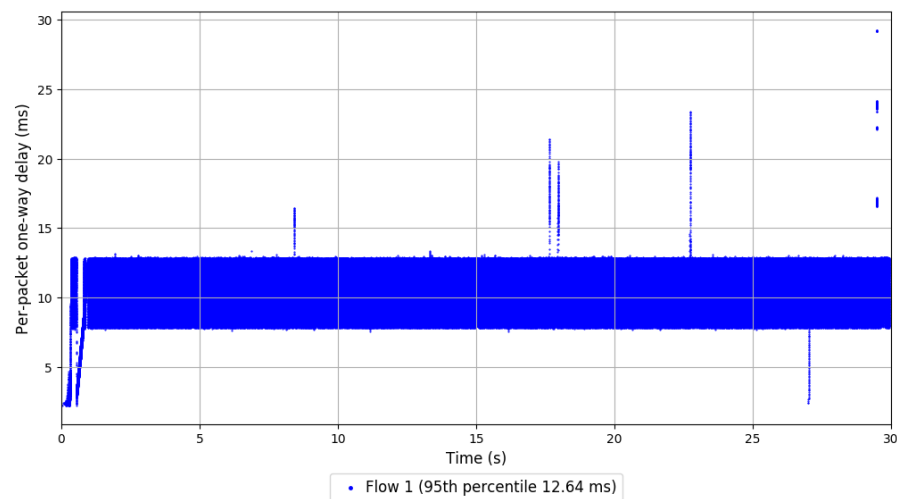
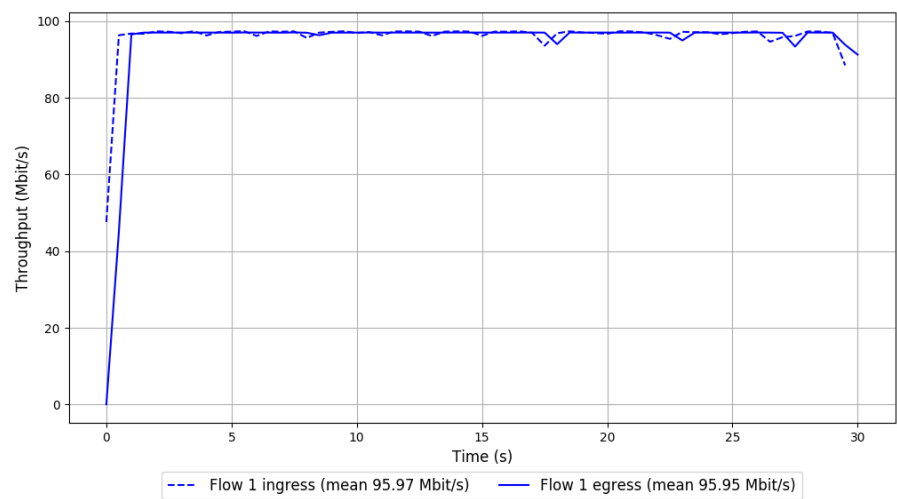


Run 5: Statistics of FillP

Start at: 2018-07-18 02:31:03
End at: 2018-07-18 02:31:33
Local clock offset: -5.675 ms
Remote clock offset: -2.209 ms

Below is generated by plot.py at 2018-07-18 04:27:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 12.641 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 12.641 ms
Loss rate: 0.04%

Run 5: Report of FillP — Data Link

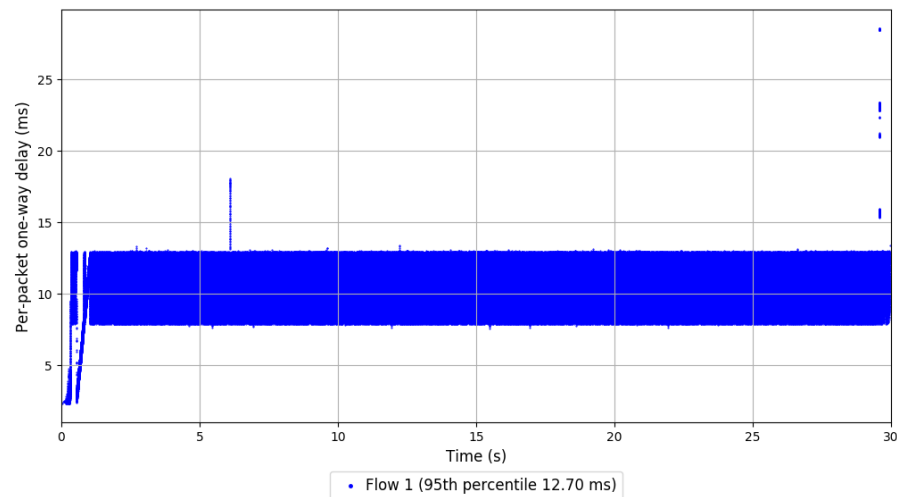
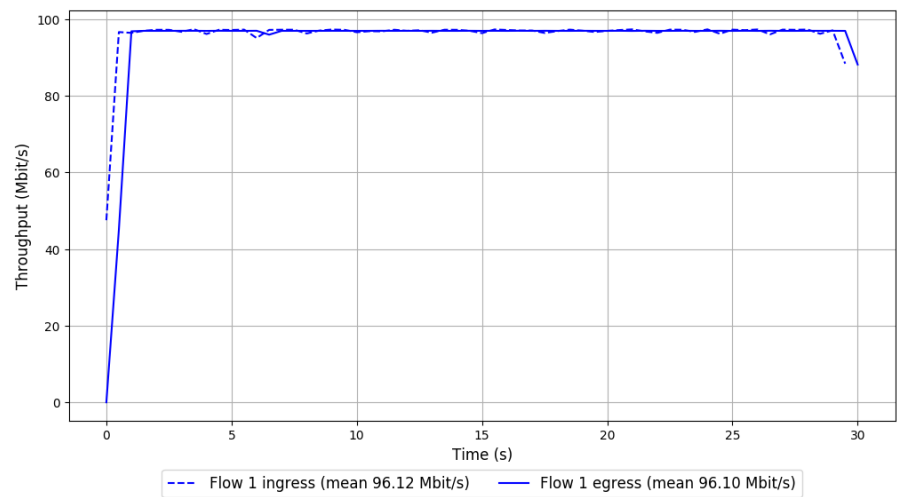


Run 6: Statistics of FillP

Start at: 2018-07-18 02:50:05
End at: 2018-07-18 02:50:35
Local clock offset: -5.596 ms
Remote clock offset: -1.761 ms

Below is generated by plot.py at 2018-07-18 04:27:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.697 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 12.697 ms
Loss rate: 0.04%

Run 6: Report of FillP — Data Link

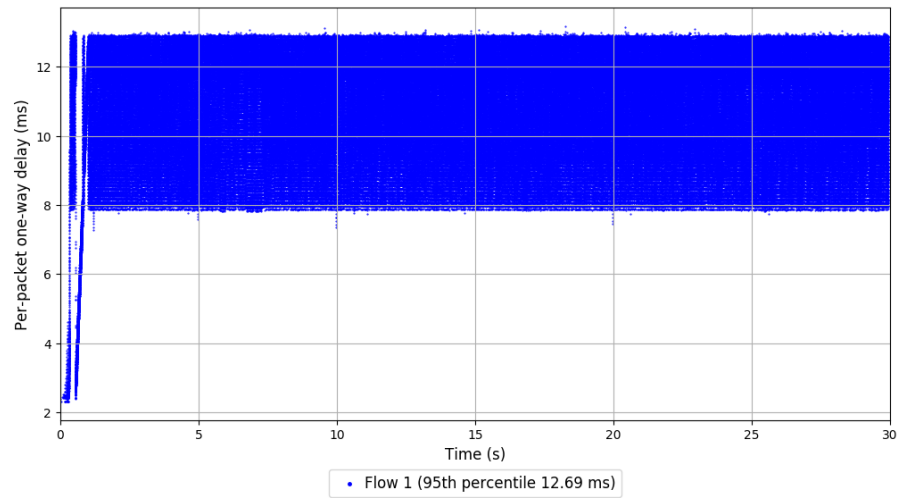
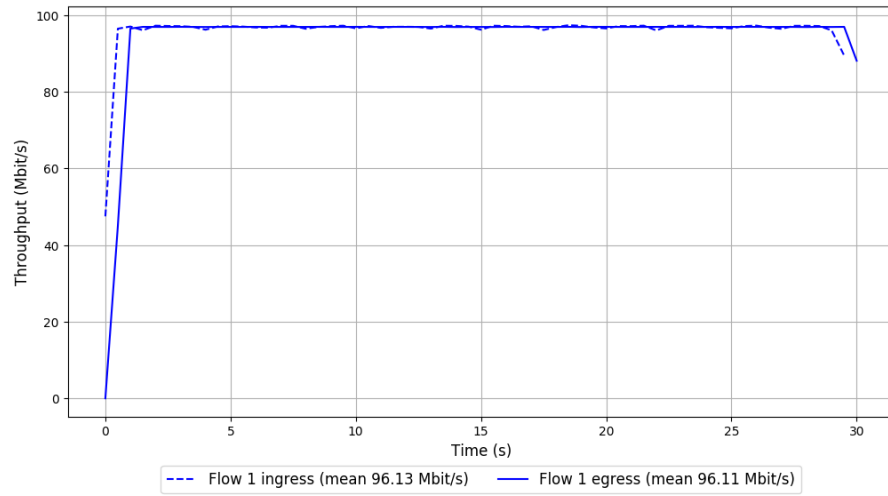


Run 7: Statistics of FillP

Start at: 2018-07-18 03:09:07
End at: 2018-07-18 03:09:38
Local clock offset: -5.493 ms
Remote clock offset: -2.338 ms

Below is generated by plot.py at 2018-07-18 04:27:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.691 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.691 ms
Loss rate: 0.05%

Run 7: Report of FillP — Data Link

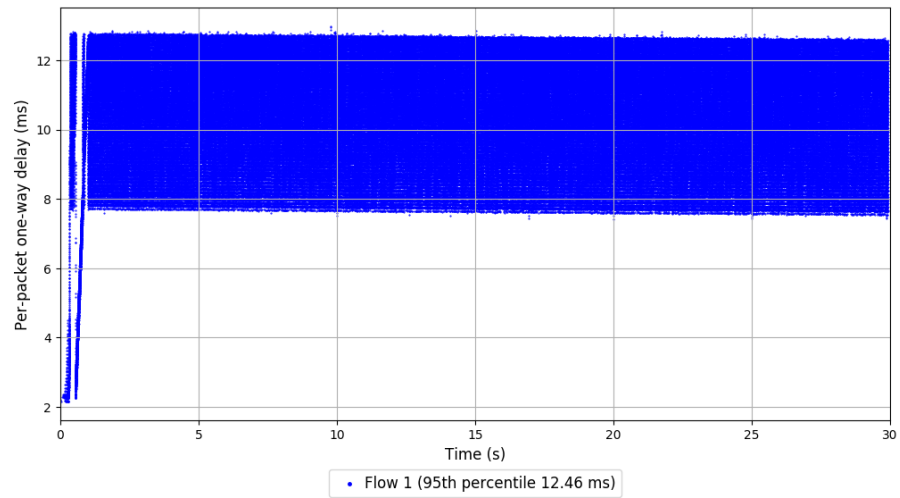
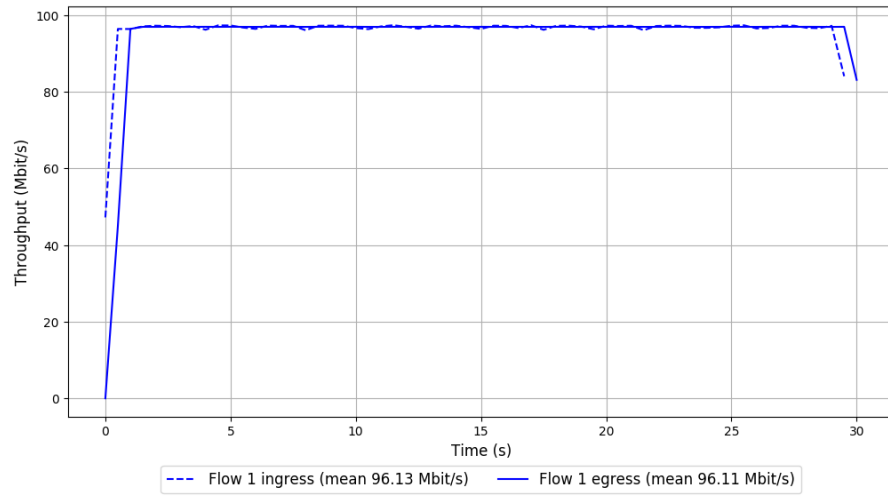


Run 8: Statistics of FillP

Start at: 2018-07-18 03:28:10
End at: 2018-07-18 03:28:40
Local clock offset: -4.079 ms
Remote clock offset: -2.475 ms

Below is generated by plot.py at 2018-07-18 04:27:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.05%

Run 8: Report of FillP — Data Link

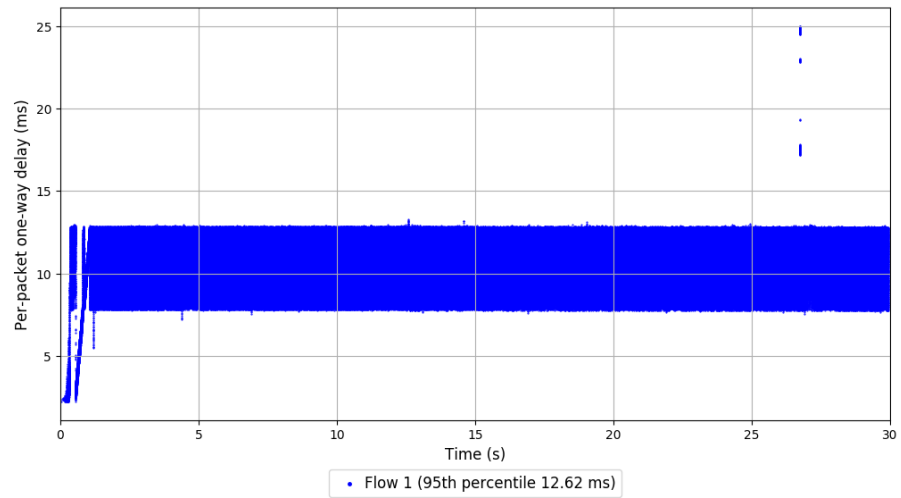
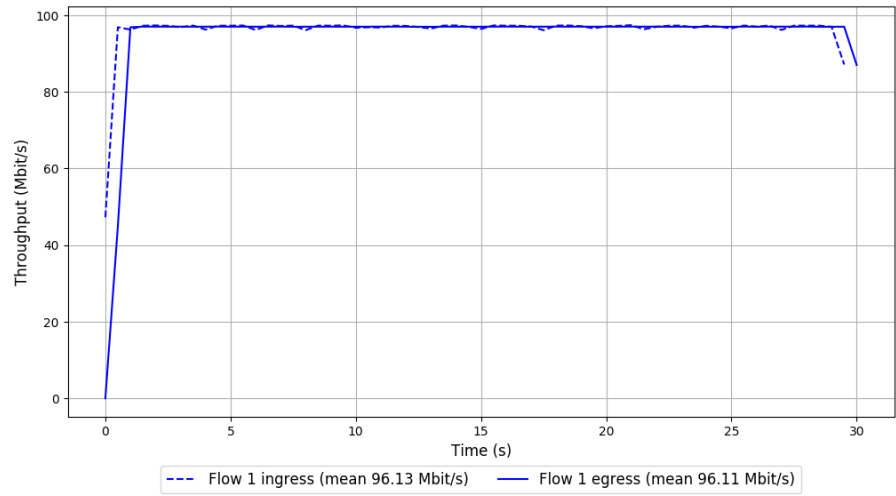


Run 9: Statistics of FillP

Start at: 2018-07-18 03:47:12
End at: 2018-07-18 03:47:42
Local clock offset: -0.439 ms
Remote clock offset: -1.571 ms

Below is generated by plot.py at 2018-07-18 04:28:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.618 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 12.618 ms
Loss rate: 0.04%

Run 9: Report of FillP — Data Link

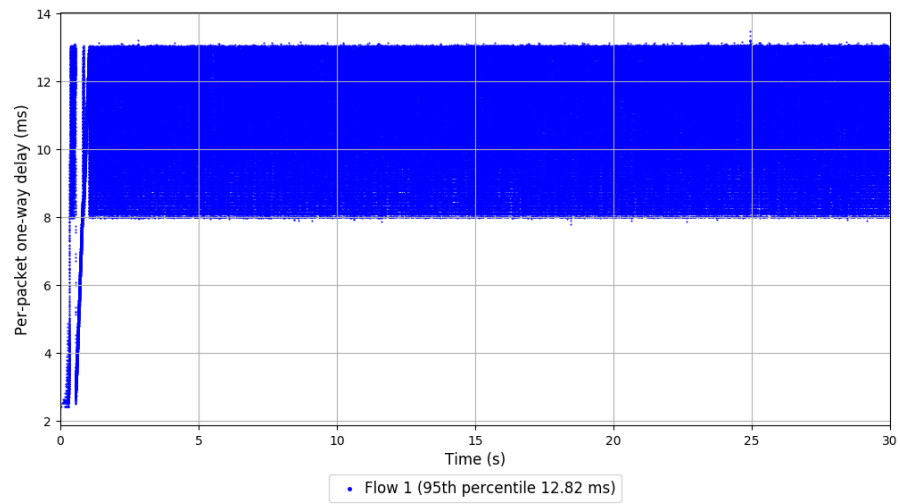
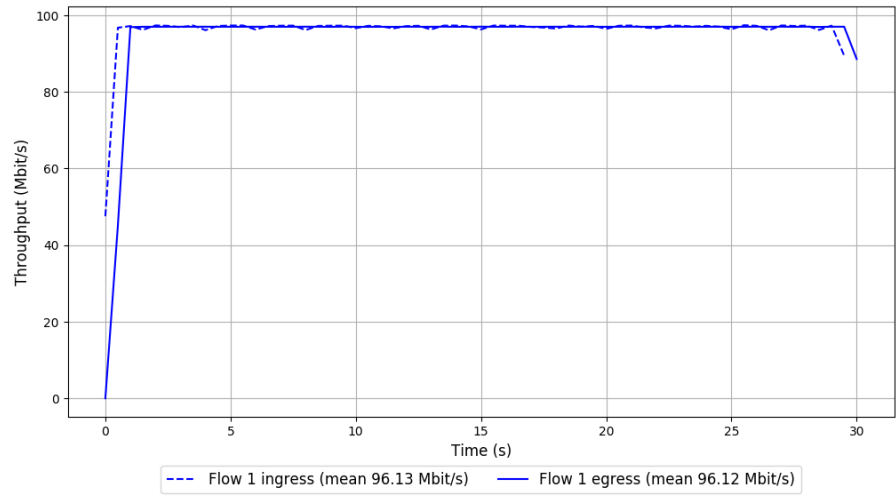


Run 10: Statistics of FillP

Start at: 2018-07-18 04:06:15
End at: 2018-07-18 04:06:45
Local clock offset: -4.251 ms
Remote clock offset: -1.915 ms

Below is generated by plot.py at 2018-07-18 04:29:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 12.819 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 12.819 ms
Loss rate: 0.05%

Run 10: Report of FillP — Data Link

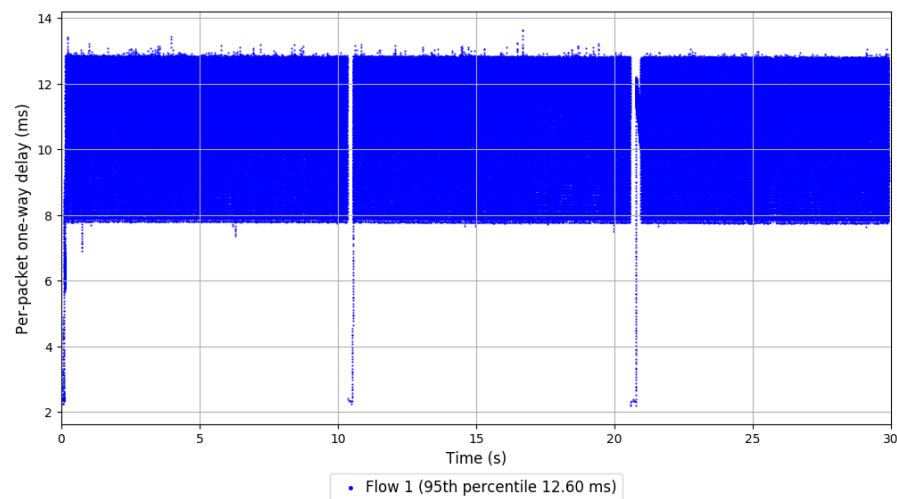
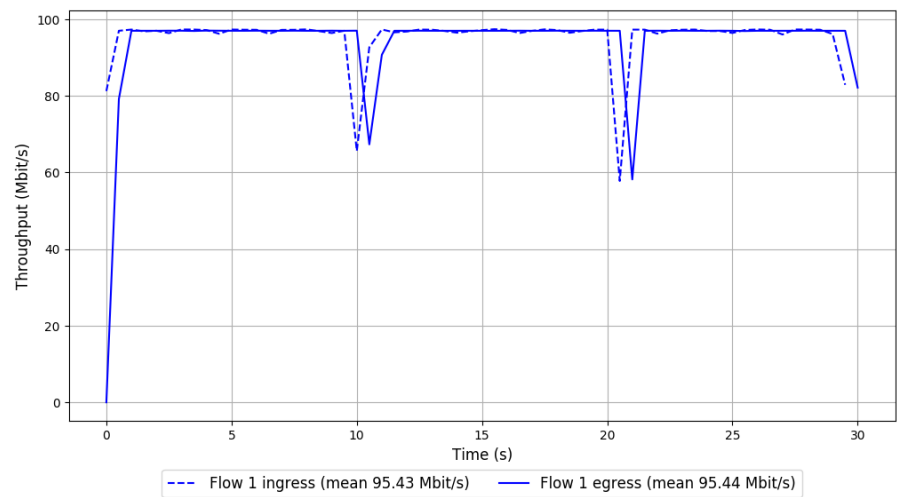


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 01:08:17
End at: 2018-07-18 01:08:47
Local clock offset: -6.405 ms
Remote clock offset: -9.337 ms

Below is generated by plot.py at 2018-07-18 04:29:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 12.604 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 12.604 ms
Loss rate: 0.04%

Run 1: Report of FillP-Sheep — Data Link

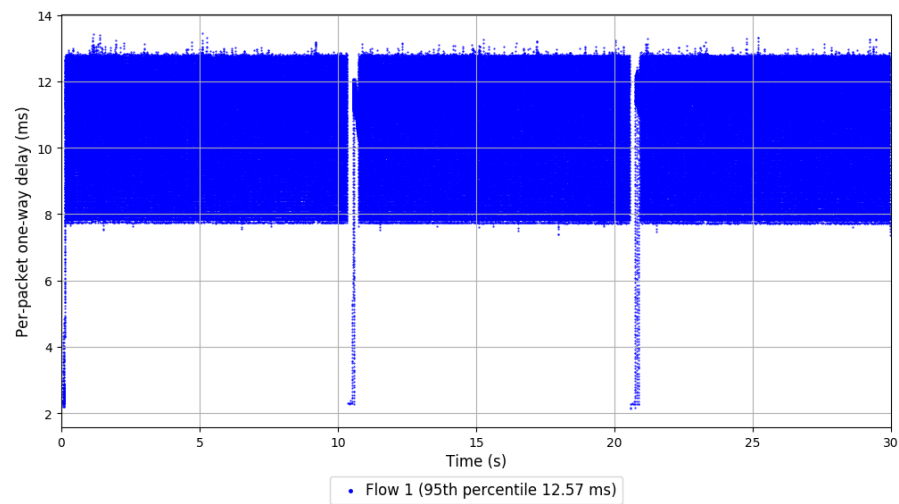
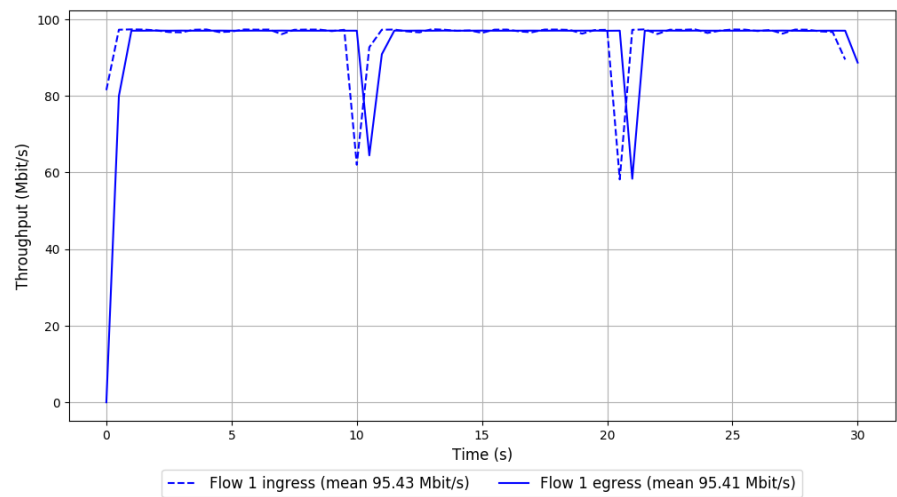


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 01:27:15
End at: 2018-07-18 01:27:45
Local clock offset: -6.433 ms
Remote clock offset: -7.434 ms

Below is generated by plot.py at 2018-07-18 04:29:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 12.568 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 12.568 ms
Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link

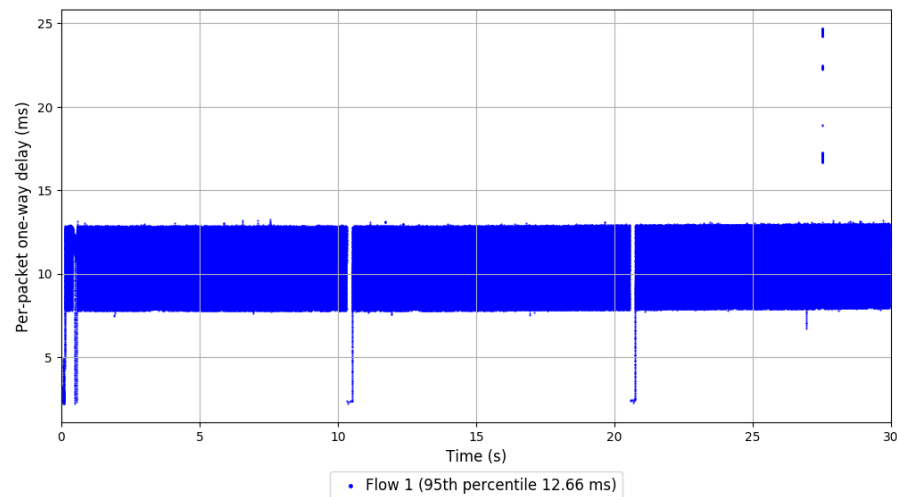
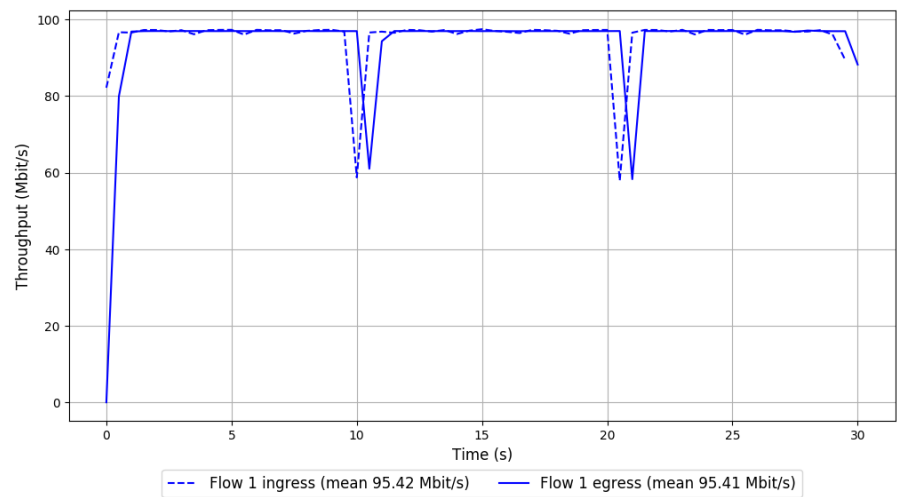


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 01:46:15
End at: 2018-07-18 01:46:45
Local clock offset: -5.86 ms
Remote clock offset: -7.555 ms

Below is generated by plot.py at 2018-07-18 04:29:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 12.657 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 12.657 ms
Loss rate: 0.05%

Run 3: Report of FillP-Sheep — Data Link

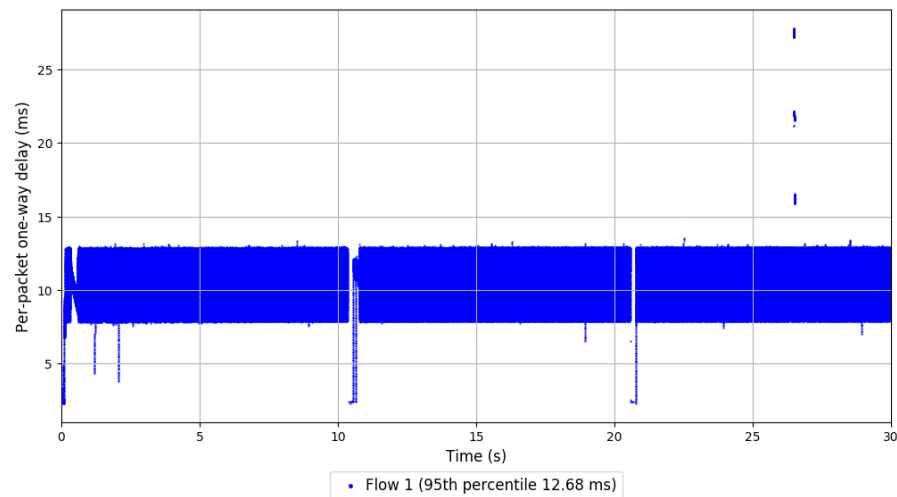
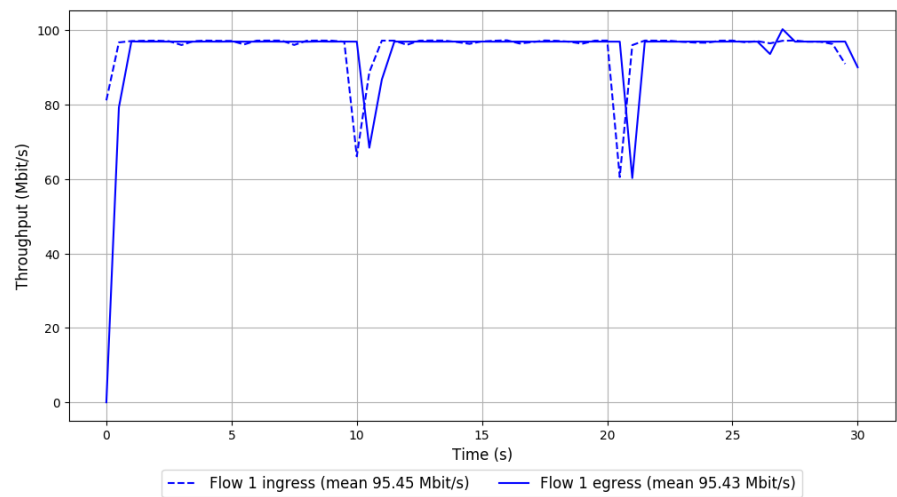


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 02:05:17
End at: 2018-07-18 02:05:47
Local clock offset: -5.776 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-07-18 04:29:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 12.681 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 12.681 ms
Loss rate: 0.04%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 02:24:21

End at: 2018-07-18 02:24:51

Local clock offset: -5.583 ms

Remote clock offset: -2.43 ms

Below is generated by plot.py at 2018-07-18 04:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 12.620 ms

Loss rate: 0.05%

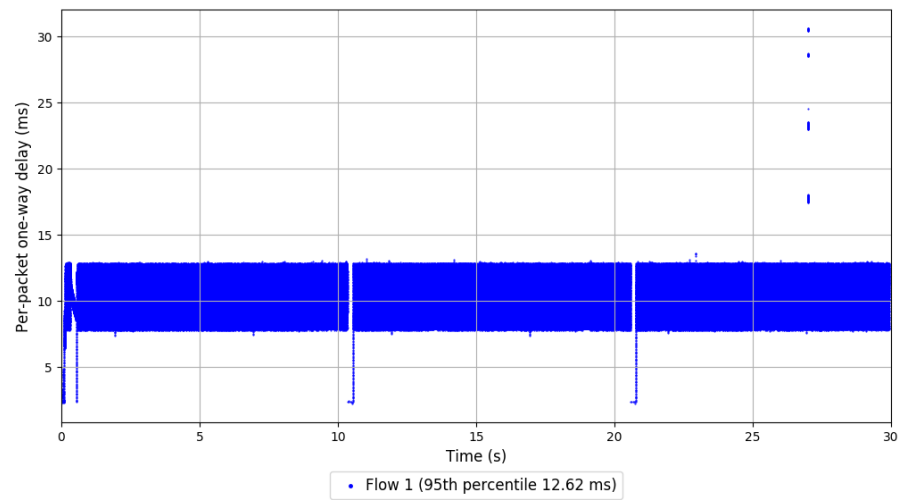
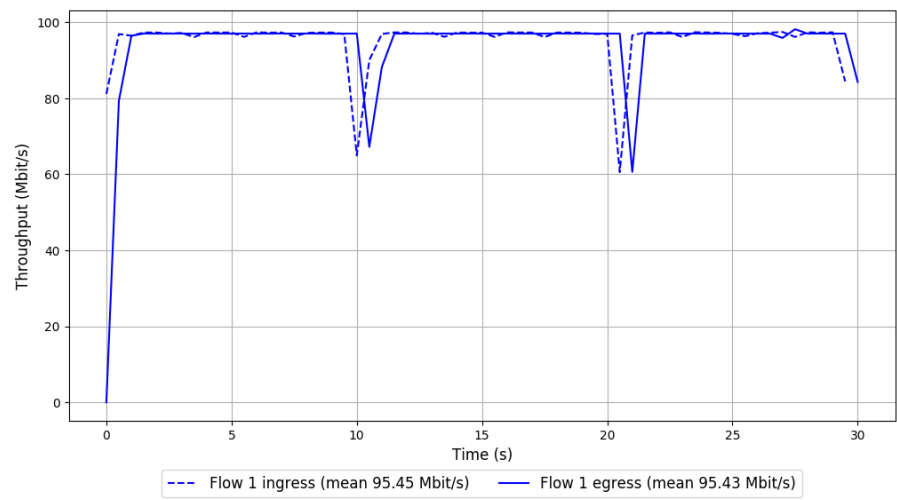
-- Flow 1:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 12.620 ms

Loss rate: 0.05%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 02:43:24

End at: 2018-07-18 02:43:54

Local clock offset: -5.664 ms

Remote clock offset: -1.867 ms

Below is generated by plot.py at 2018-07-18 04:29:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 12.670 ms

Loss rate: 0.05%

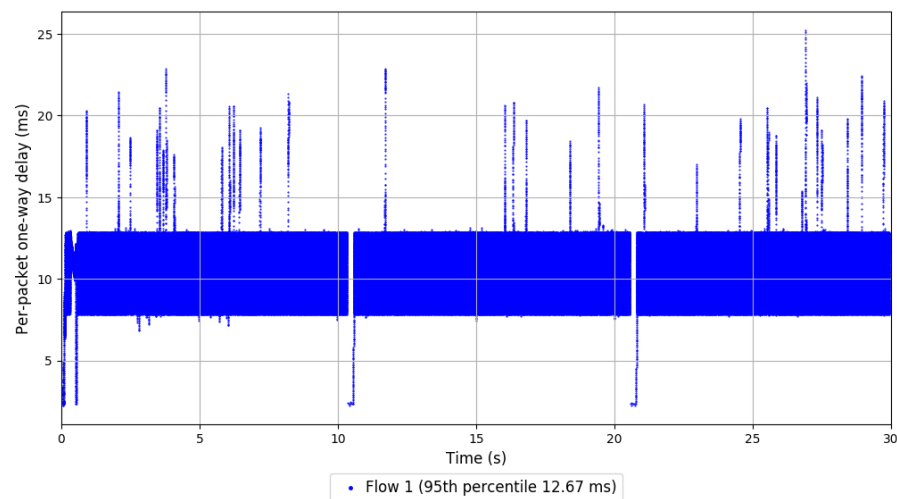
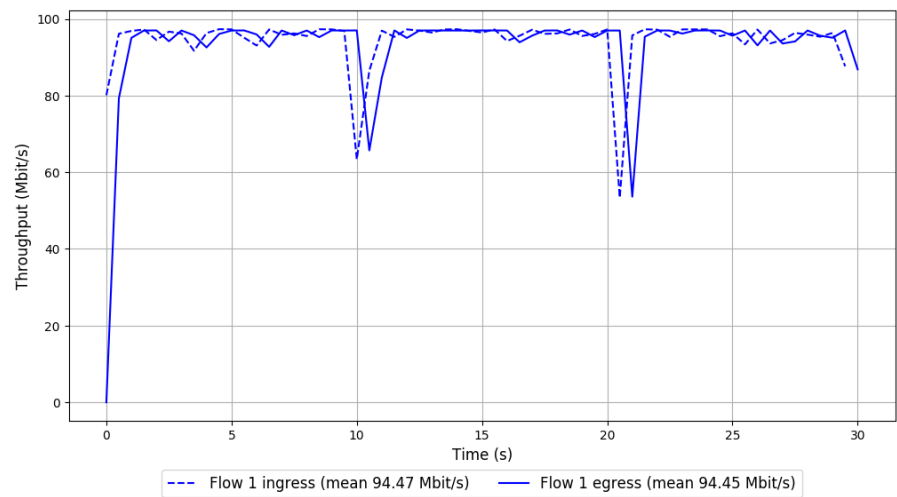
-- Flow 1:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 12.670 ms

Loss rate: 0.05%

Run 6: Report of FillP-Sheep — Data Link

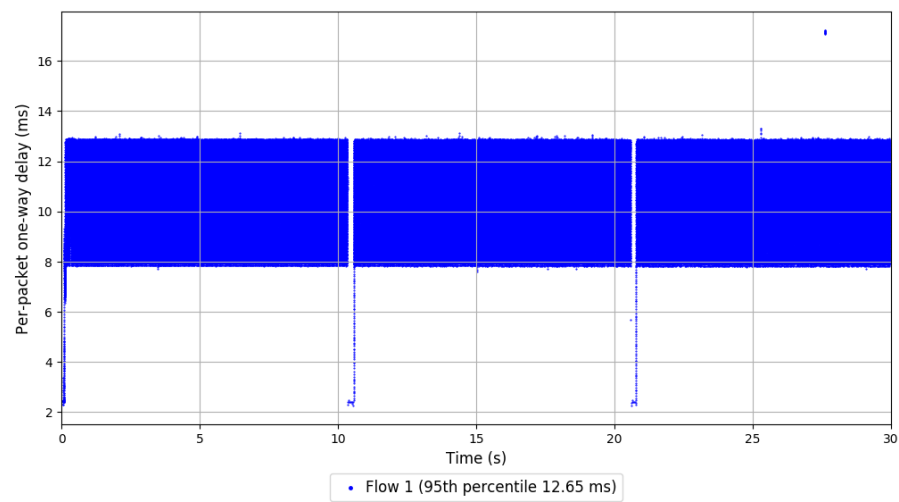
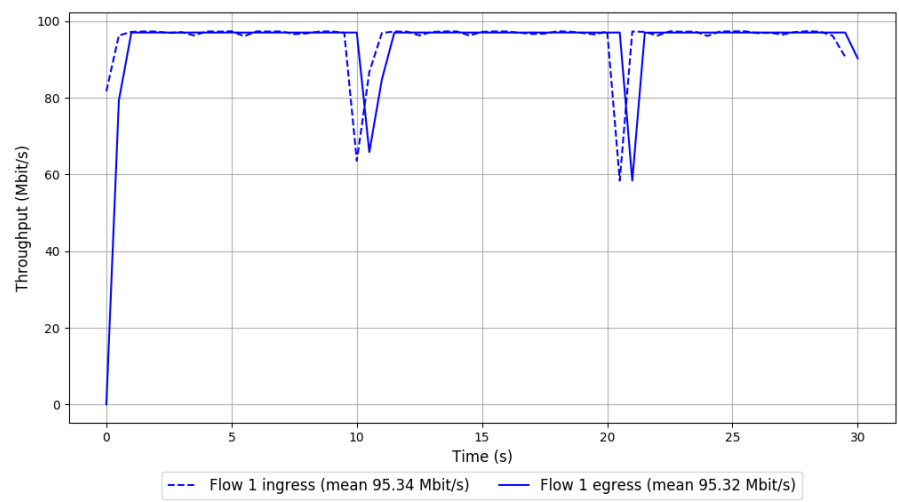


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 03:02:26
End at: 2018-07-18 03:02:56
Local clock offset: -5.541 ms
Remote clock offset: -2.125 ms

Below is generated by plot.py at 2018-07-18 04:30:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 12.655 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 12.655 ms
Loss rate: 0.03%

Run 7: Report of FillP-Sheep — Data Link

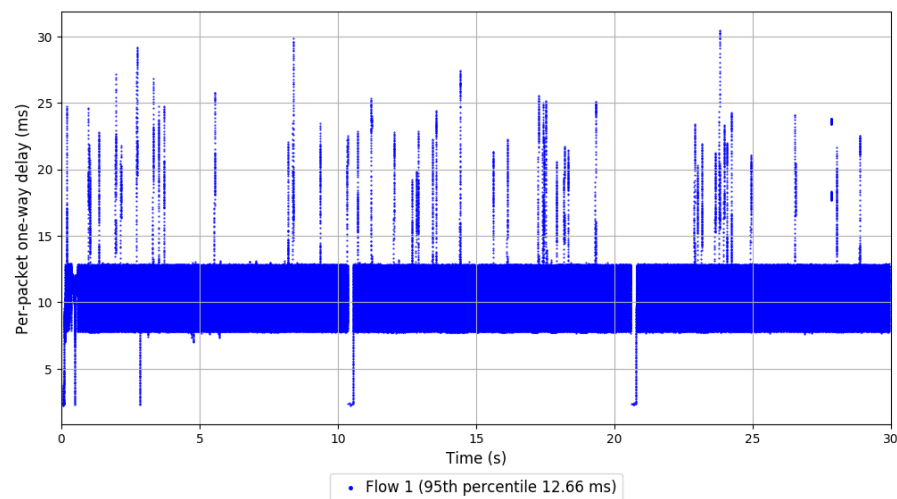
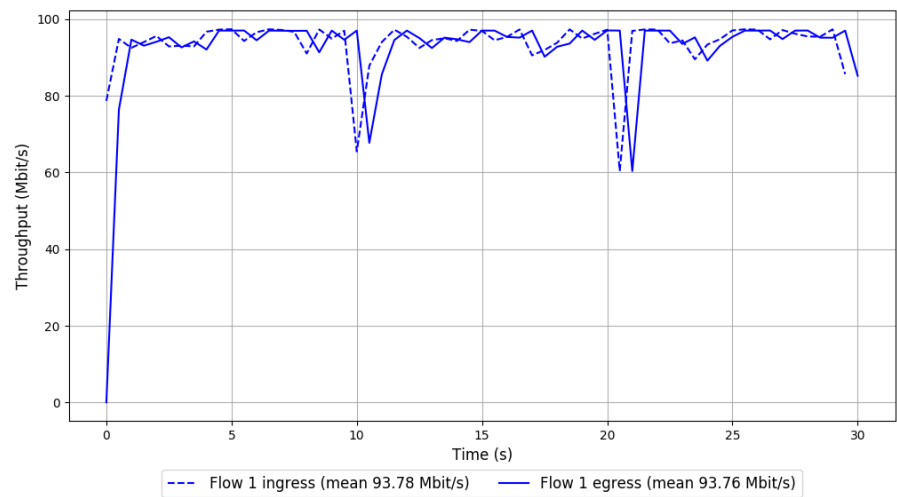


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 03:21:28
End at: 2018-07-18 03:21:58
Local clock offset: -5.383 ms
Remote clock offset: -2.337 ms

Below is generated by plot.py at 2018-07-18 04:30:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 12.664 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 12.664 ms
Loss rate: 0.05%

Run 8: Report of FillP-Sheep — Data Link

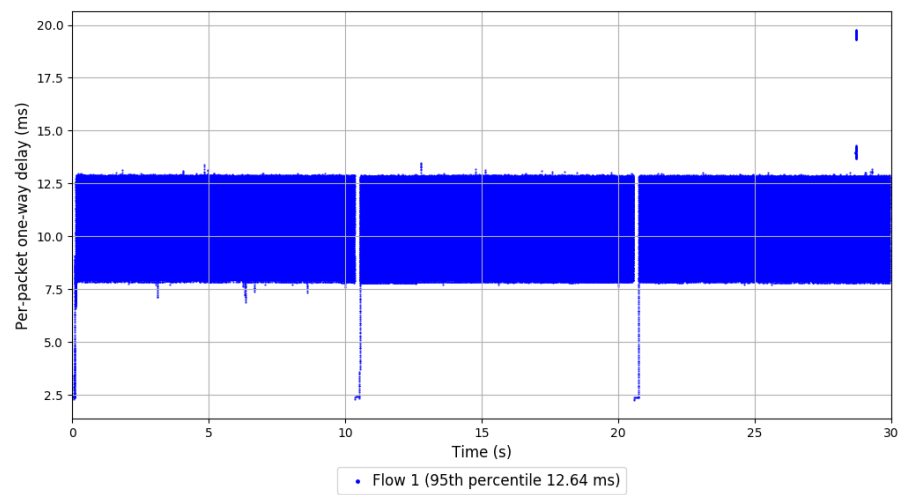
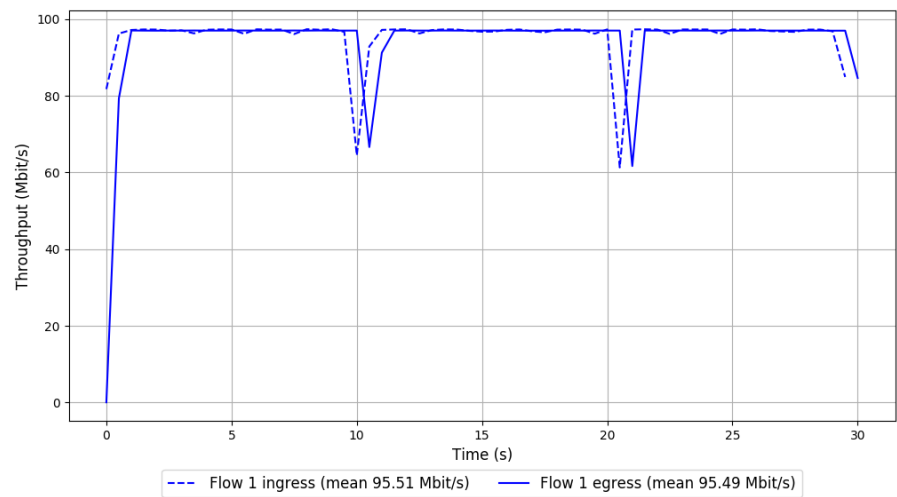


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 03:40:31
End at: 2018-07-18 03:41:01
Local clock offset: -1.202 ms
Remote clock offset: -1.796 ms

Below is generated by plot.py at 2018-07-18 04:30:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 12.641 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 12.641 ms
Loss rate: 0.04%

Run 9: Report of FillP-Sheep — Data Link

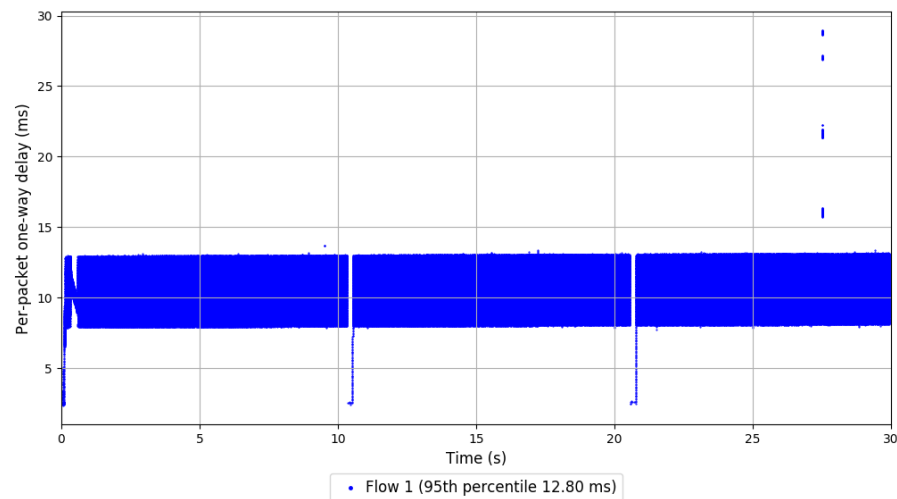
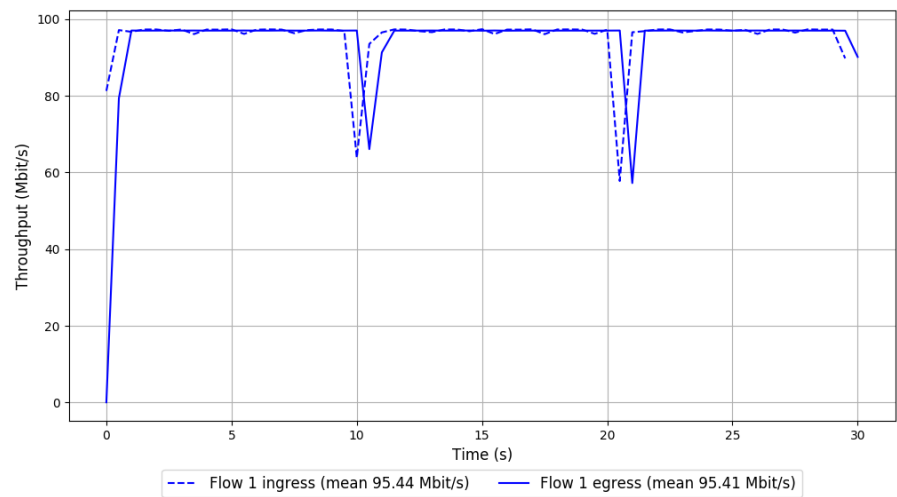


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 03:59:33
End at: 2018-07-18 04:00:03
Local clock offset: -2.337 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2018-07-18 04:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 12.798 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 12.798 ms
Loss rate: 0.04%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-18 01:21:44

End at: 2018-07-18 01:22:14

Local clock offset: -6.536 ms

Remote clock offset: -7.877 ms

Below is generated by plot.py at 2018-07-18 04:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.79 Mbit/s

95th percentile per-packet one-way delay: 4.993 ms

Loss rate: 0.00%

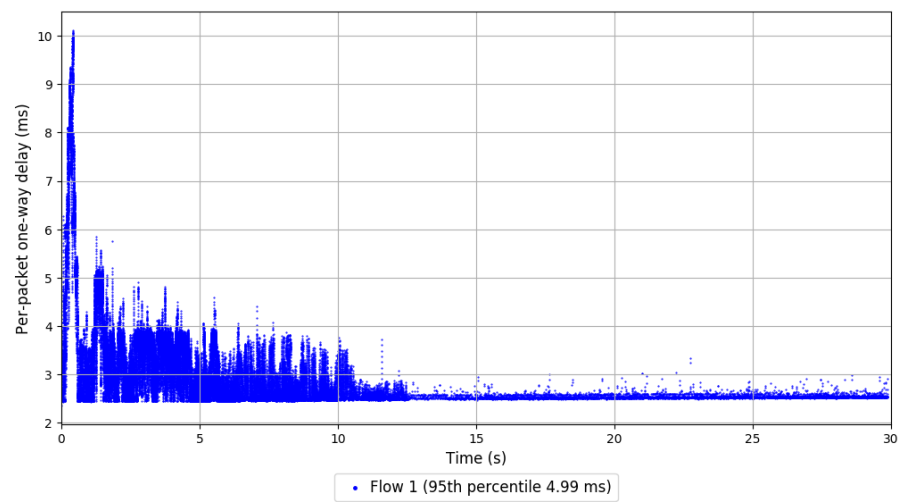
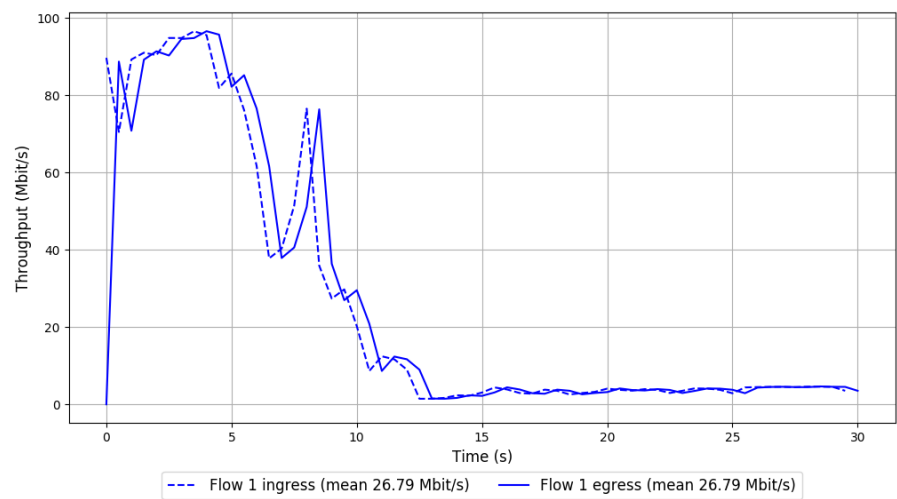
-- Flow 1:

Average throughput: 26.79 Mbit/s

95th percentile per-packet one-way delay: 4.993 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

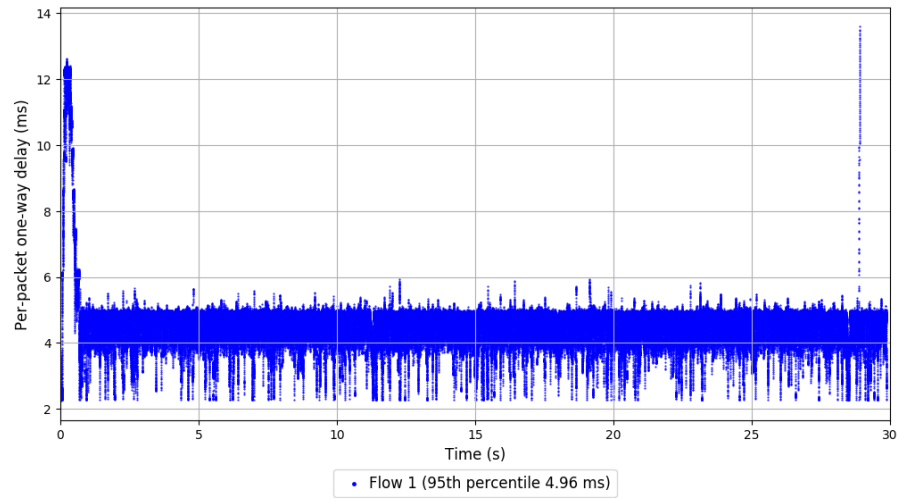
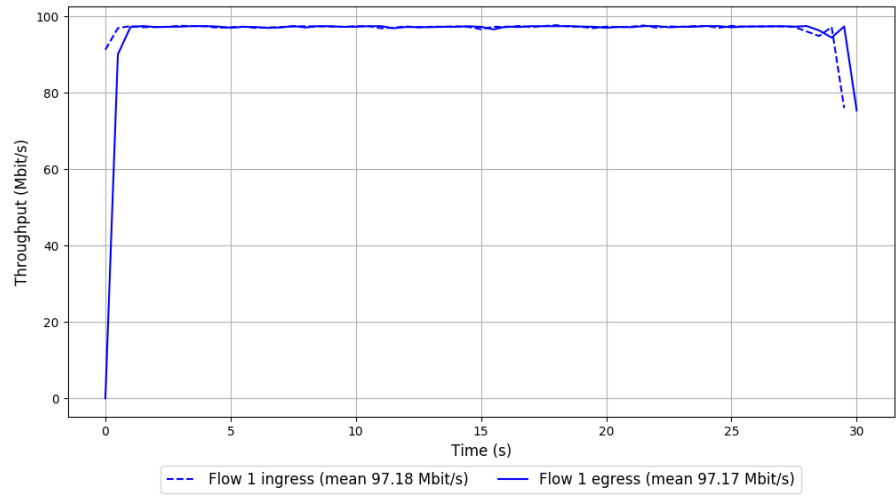


Run 2: Statistics of Indigo

Start at: 2018-07-18 01:40:40
End at: 2018-07-18 01:41:10
Local clock offset: -5.953 ms
Remote clock offset: -7.422 ms

Below is generated by plot.py at 2018-07-18 04:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.958 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.958 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link

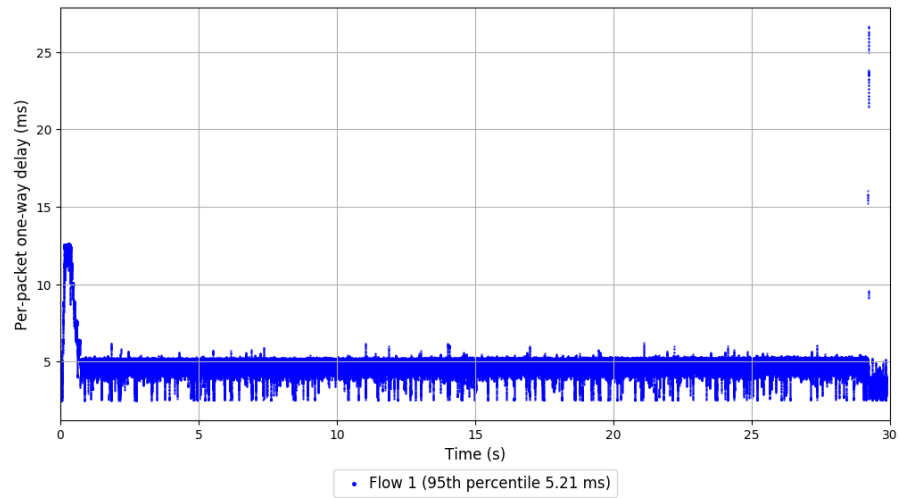
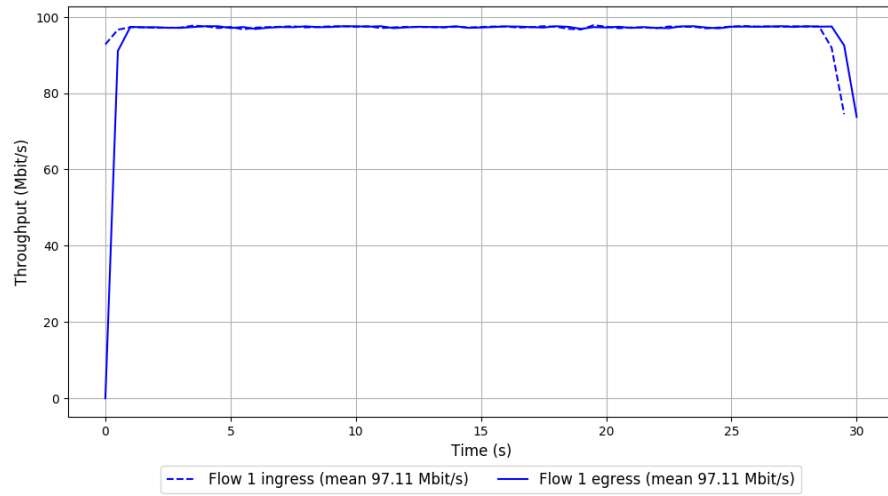


Run 3: Statistics of Indigo

Start at: 2018-07-18 01:59:43
End at: 2018-07-18 02:00:13
Local clock offset: -5.826 ms
Remote clock offset: -4.059 ms

Below is generated by plot.py at 2018-07-18 04:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 5.211 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 5.211 ms
Loss rate: 0.02%

Run 3: Report of Indigo — Data Link

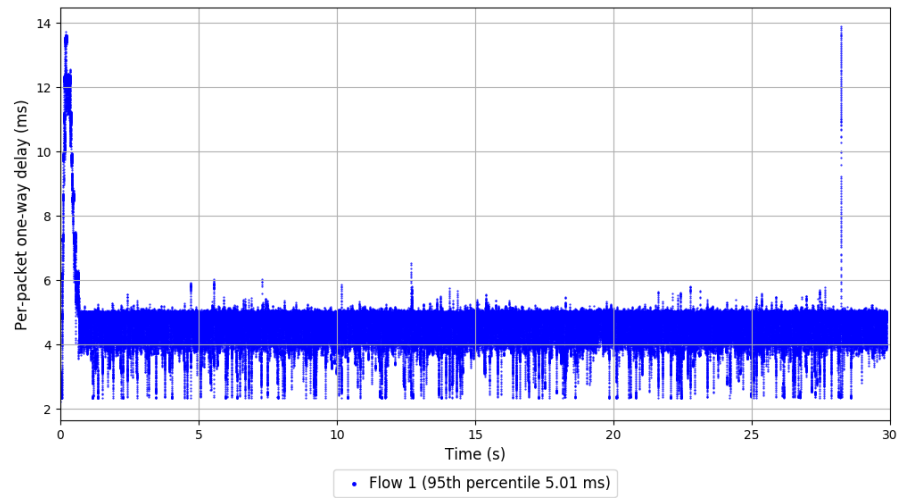
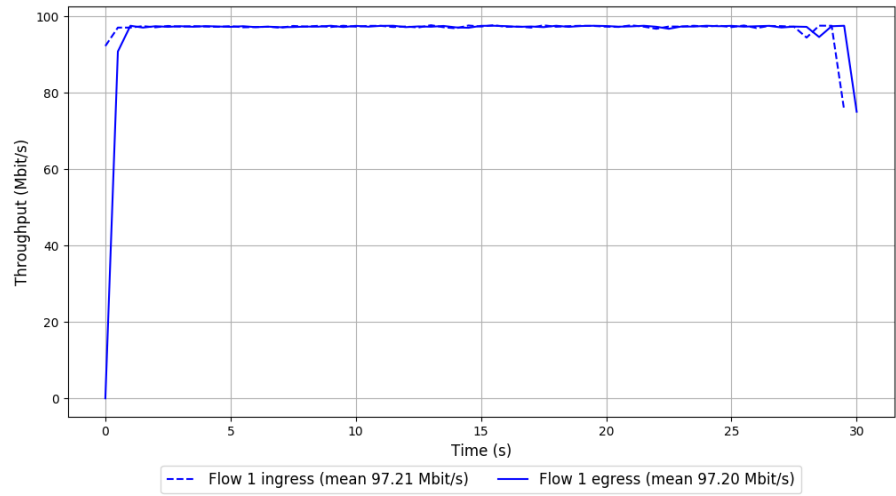


Run 4: Statistics of Indigo

Start at: 2018-07-18 02:18:46
End at: 2018-07-18 02:19:16
Local clock offset: -5.7 ms
Remote clock offset: -2.623 ms

Below is generated by plot.py at 2018-07-18 04:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 5.010 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 5.010 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link

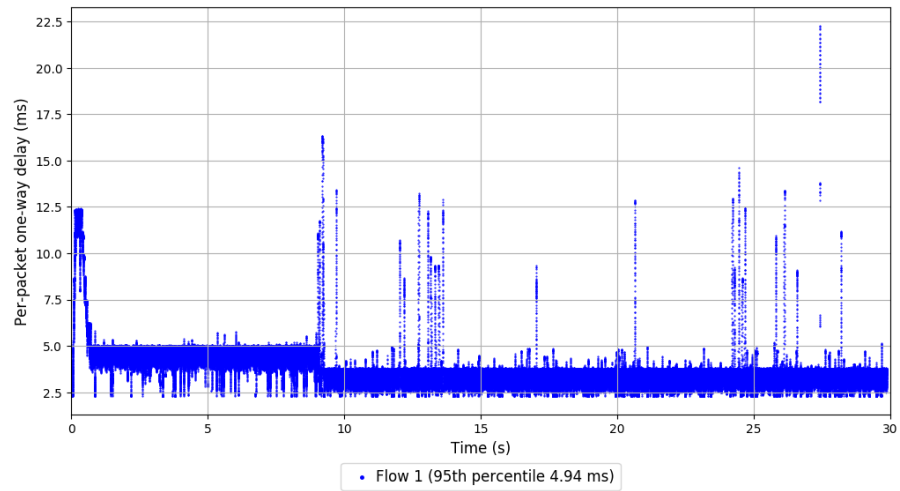
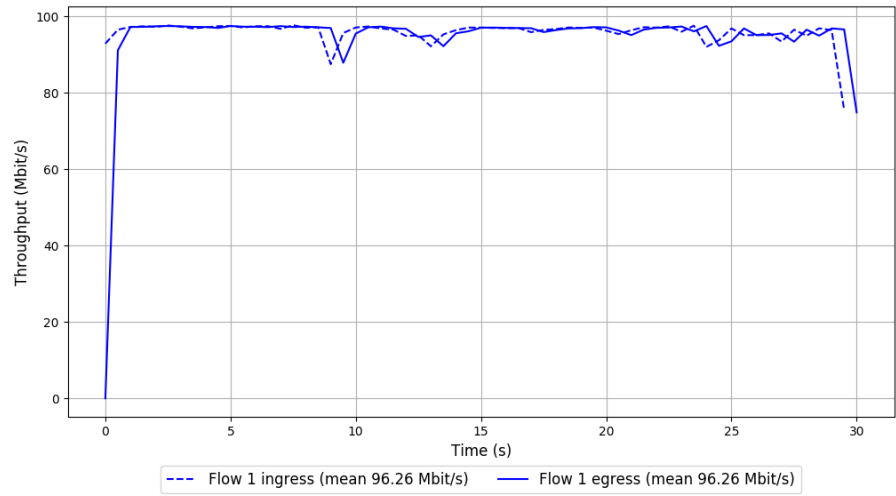


Run 5: Statistics of Indigo

Start at: 2018-07-18 02:37:50
End at: 2018-07-18 02:38:20
Local clock offset: -5.754 ms
Remote clock offset: -2.025 ms

Below is generated by plot.py at 2018-07-18 04:30:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

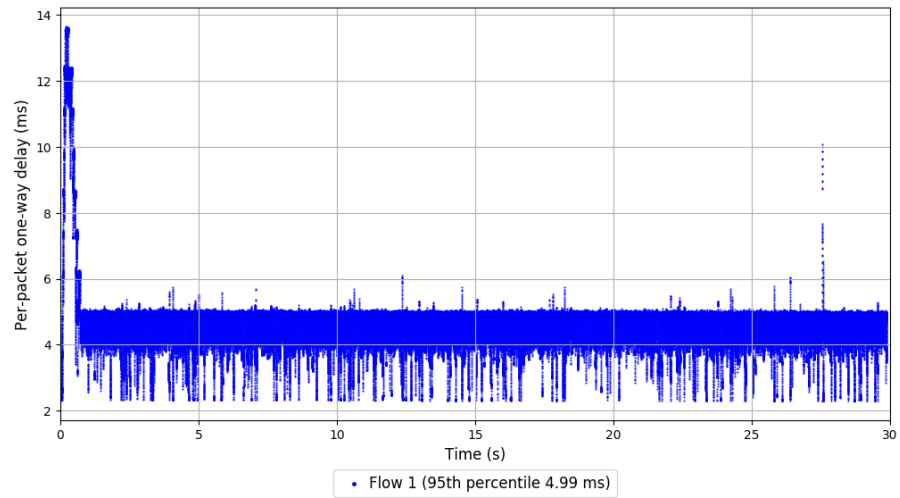
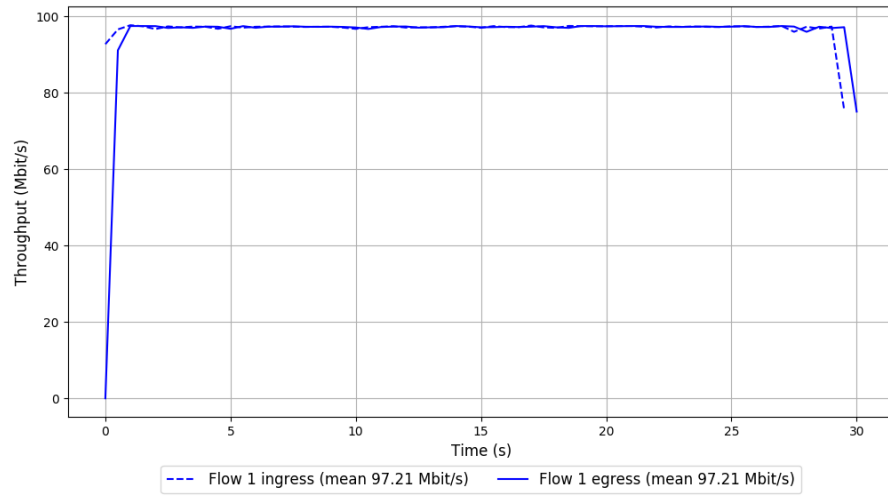


Run 6: Statistics of Indigo

Start at: 2018-07-18 02:56:52
End at: 2018-07-18 02:57:22
Local clock offset: -5.616 ms
Remote clock offset: -1.822 ms

Below is generated by plot.py at 2018-07-18 04:31:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.990 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.990 ms
Loss rate: 0.02%

Run 6: Report of Indigo — Data Link

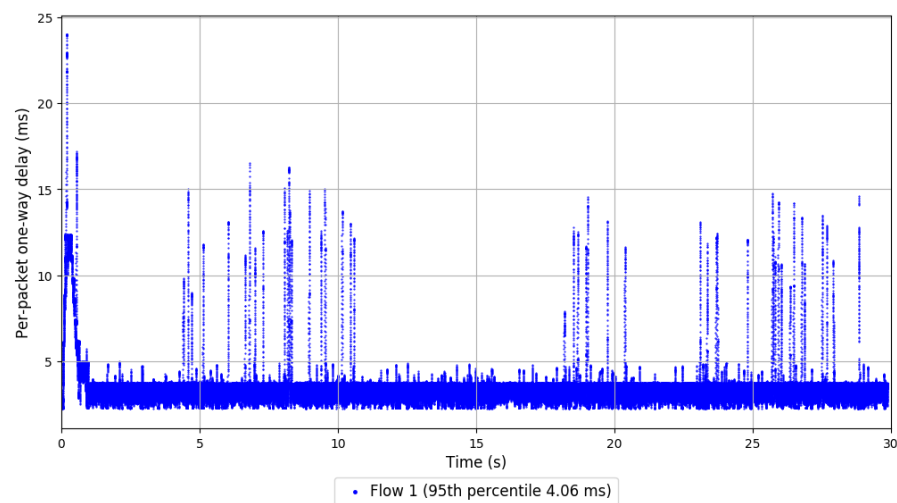
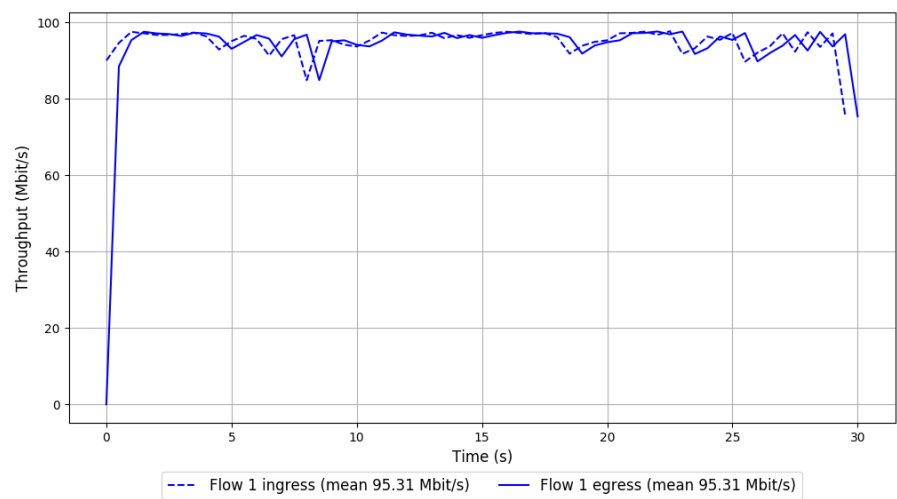


Run 7: Statistics of Indigo

Start at: 2018-07-18 03:15:54
End at: 2018-07-18 03:16:24
Local clock offset: -5.517 ms
Remote clock offset: -2.336 ms

Below is generated by plot.py at 2018-07-18 04:31:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 0.02%

Run 7: Report of Indigo — Data Link

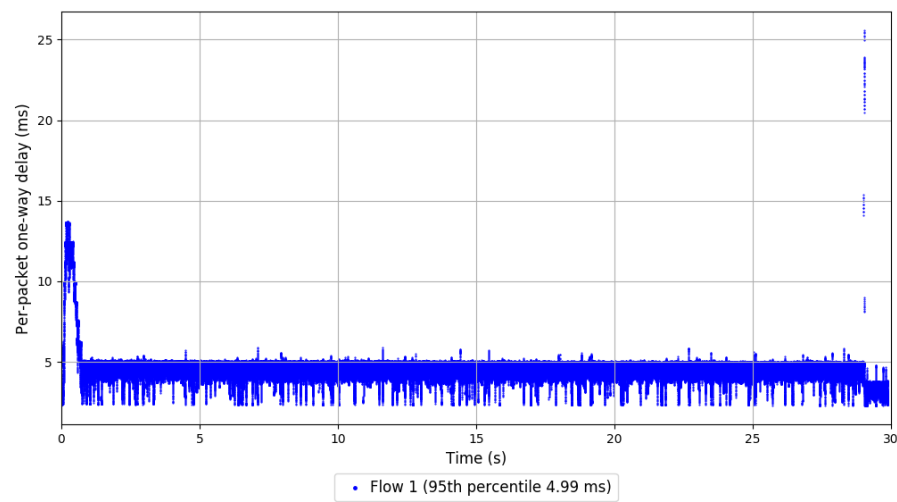
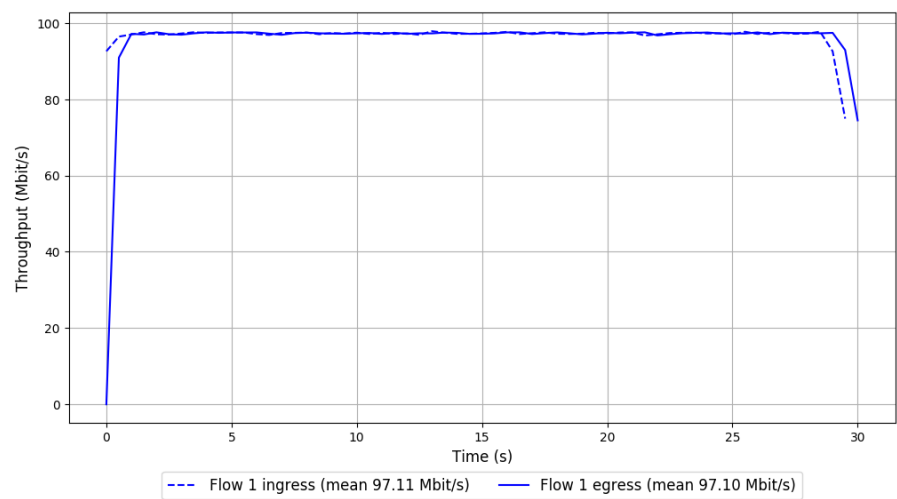


Run 8: Statistics of Indigo

Start at: 2018-07-18 03:34:57
End at: 2018-07-18 03:35:27
Local clock offset: -2.171 ms
Remote clock offset: -2.044 ms

Below is generated by plot.py at 2018-07-18 04:31:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 4.987 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 4.987 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link

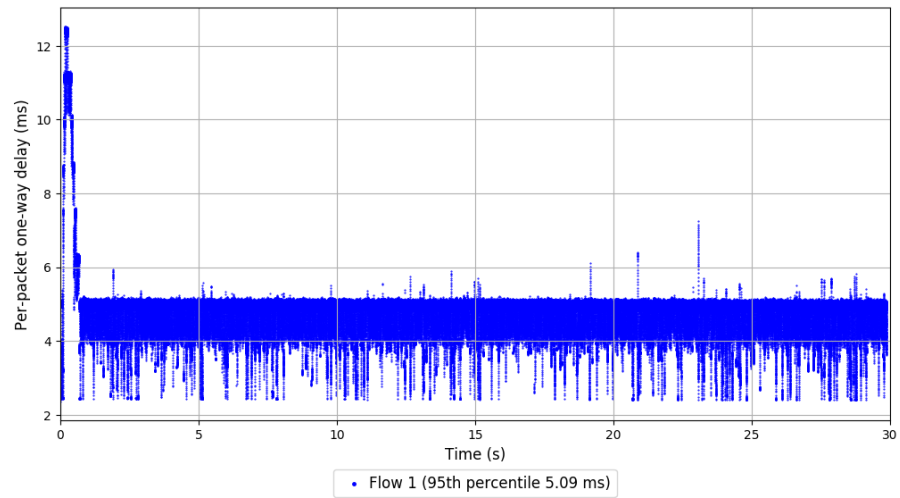
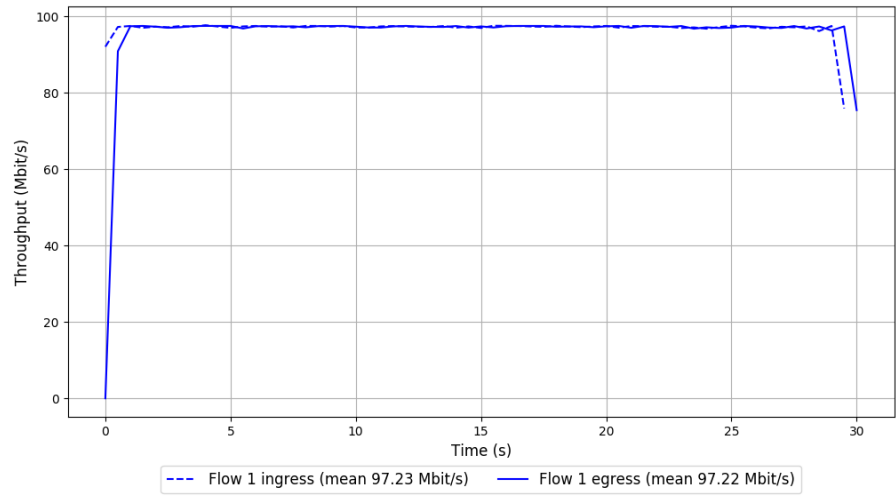


Run 9: Statistics of Indigo

Start at: 2018-07-18 03:53:59
End at: 2018-07-18 03:54:29
Local clock offset: 0.194 ms
Remote clock offset: -1.499 ms

Below is generated by plot.py at 2018-07-18 04:31:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 5.095 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 5.095 ms
Loss rate: 0.02%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 04:13:02

End at: 2018-07-18 04:13:32

Local clock offset: -5.375 ms

Remote clock offset: -2.7 ms

Below is generated by plot.py at 2018-07-18 04:31:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 5.104 ms

Loss rate: 0.02%

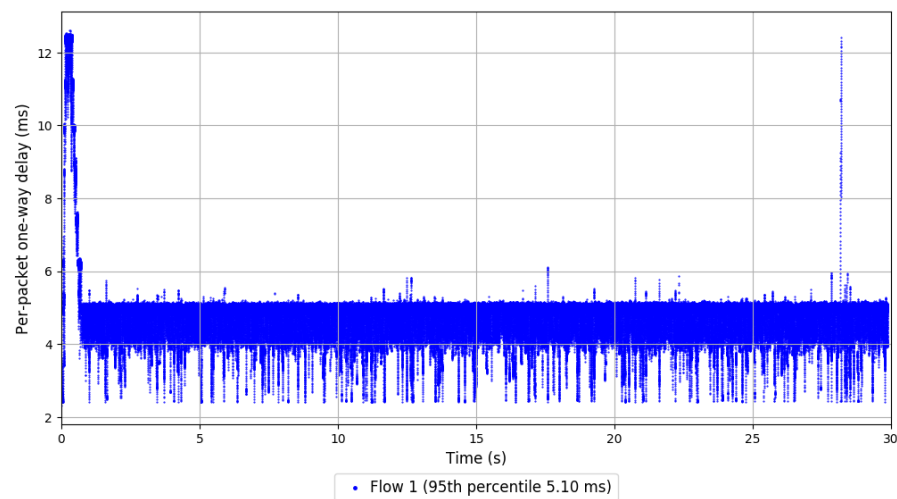
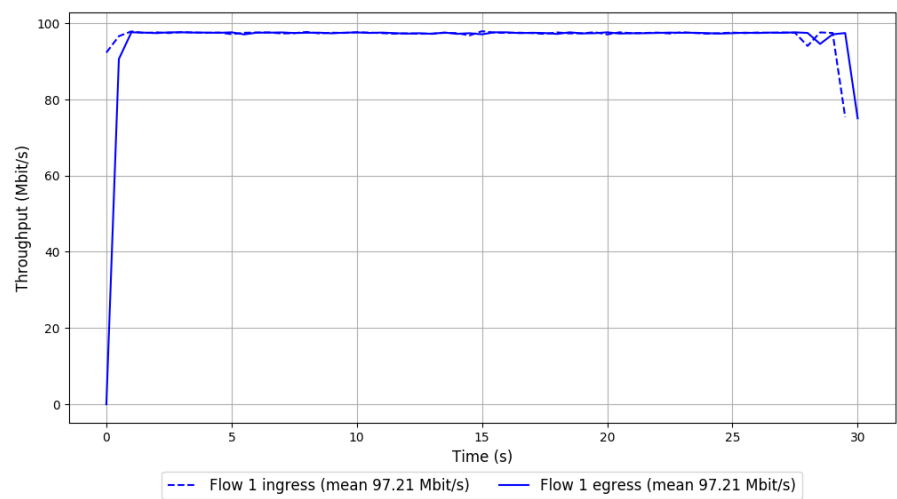
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 5.104 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

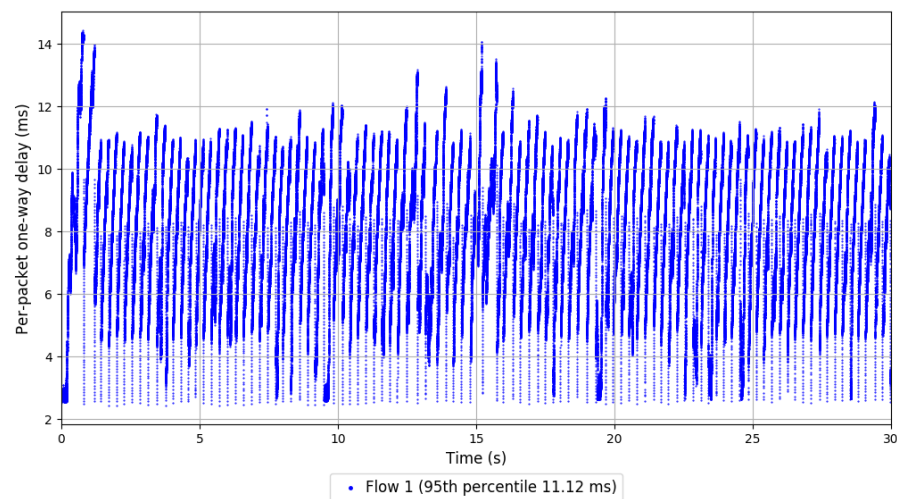
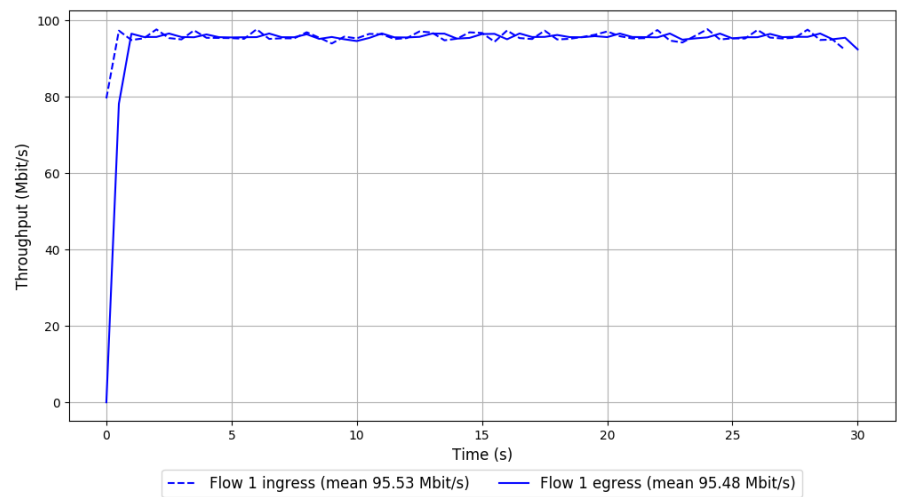


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 01:17:15
End at: 2018-07-18 01:17:45
Local clock offset: -6.455 ms
Remote clock offset: -8.622 ms

Below is generated by plot.py at 2018-07-18 04:31:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 11.122 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 11.122 ms
Loss rate: 0.06%

Run 1: Report of LEDBAT — Data Link

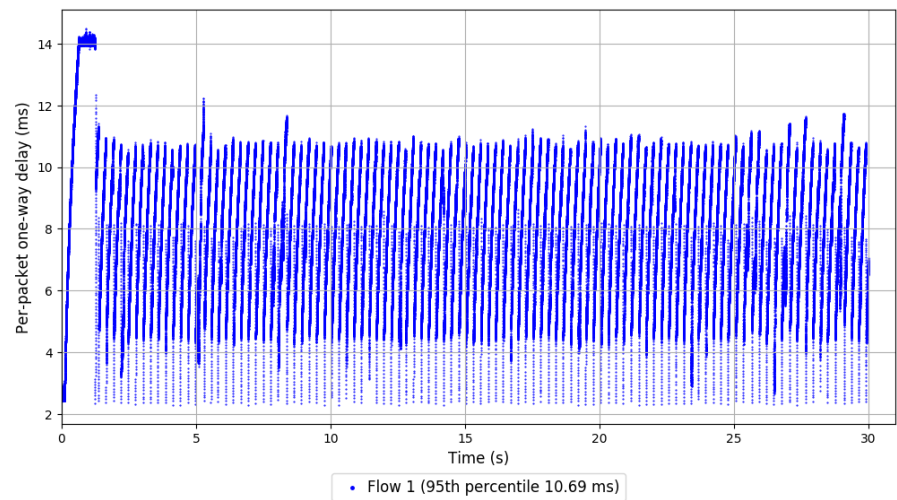
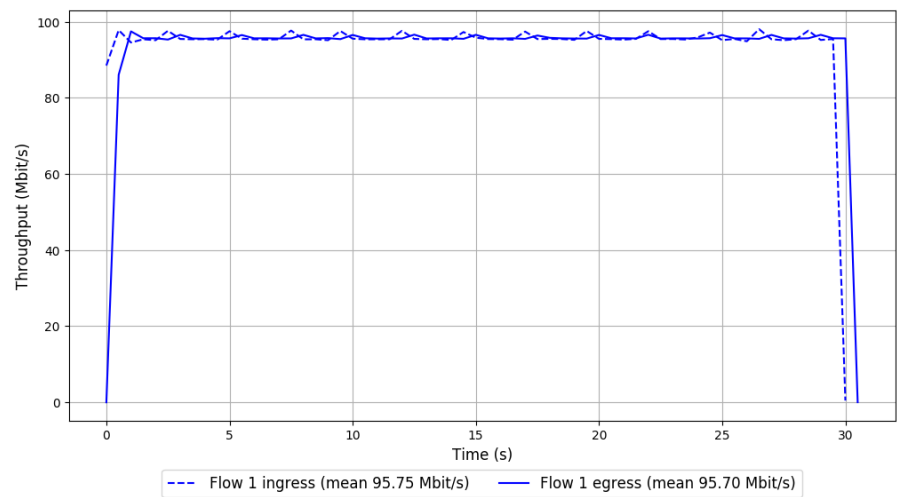


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 01:36:13
End at: 2018-07-18 01:36:43
Local clock offset: -5.971 ms
Remote clock offset: -7.451 ms

Below is generated by plot.py at 2018-07-18 04:31:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.693 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.693 ms
Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link

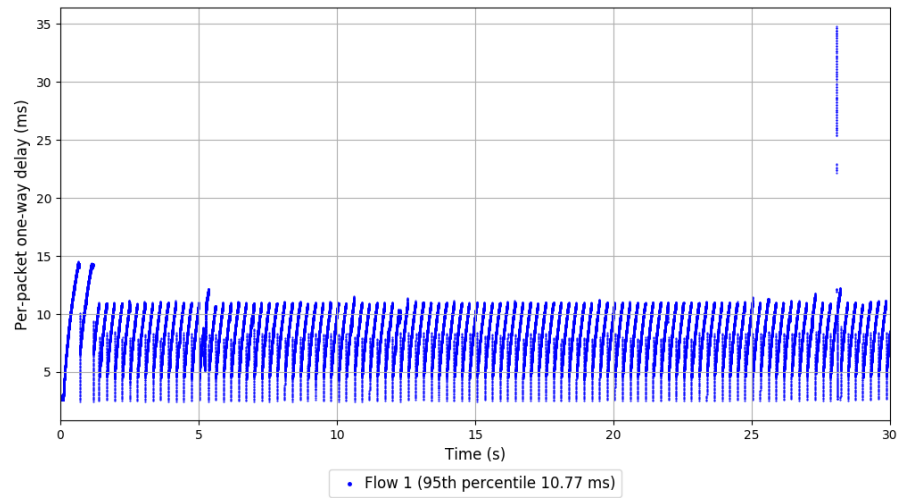
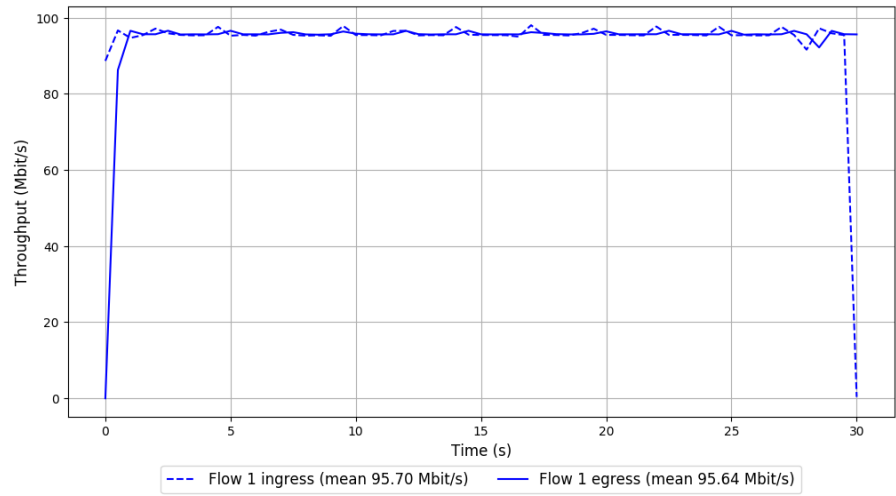


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 01:55:13
End at: 2018-07-18 01:55:43
Local clock offset: -5.89 ms
Remote clock offset: -4.842 ms

Below is generated by plot.py at 2018-07-18 04:31:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.767 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.767 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

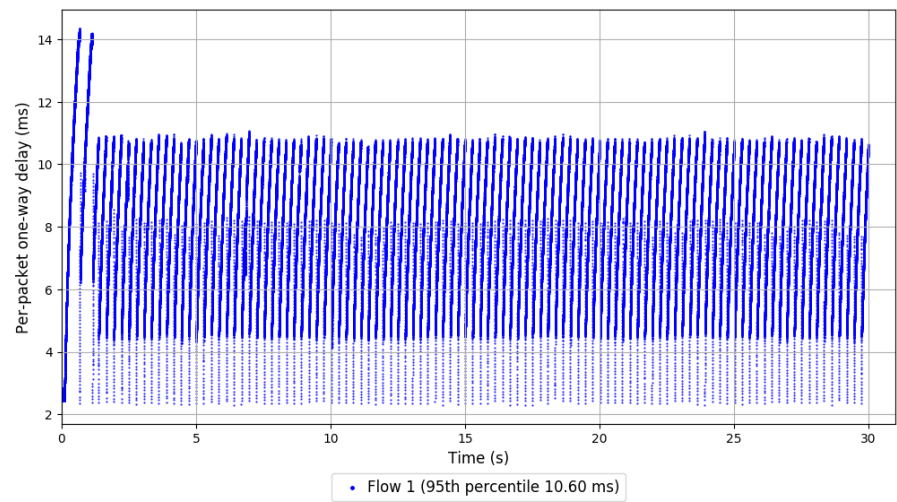
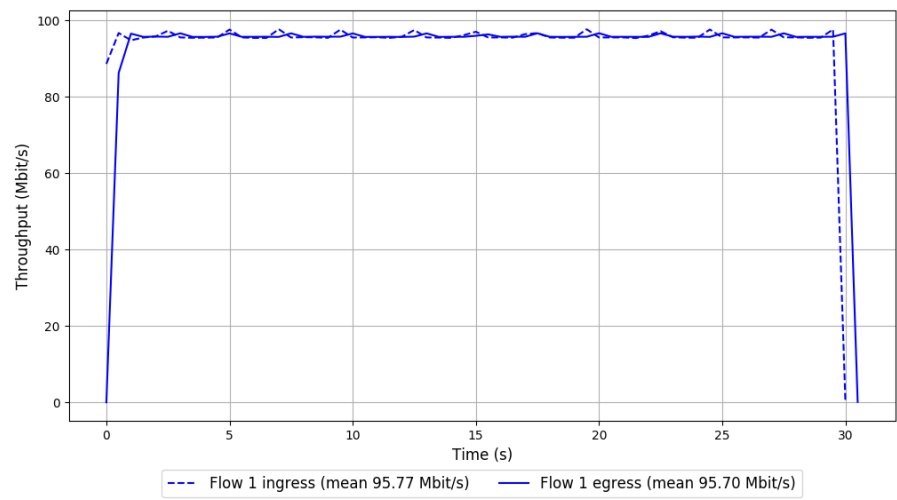


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 02:14:16
End at: 2018-07-18 02:14:46
Local clock offset: -5.758 ms
Remote clock offset: -2.897 ms

Below is generated by plot.py at 2018-07-18 04:32:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.599 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.599 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link

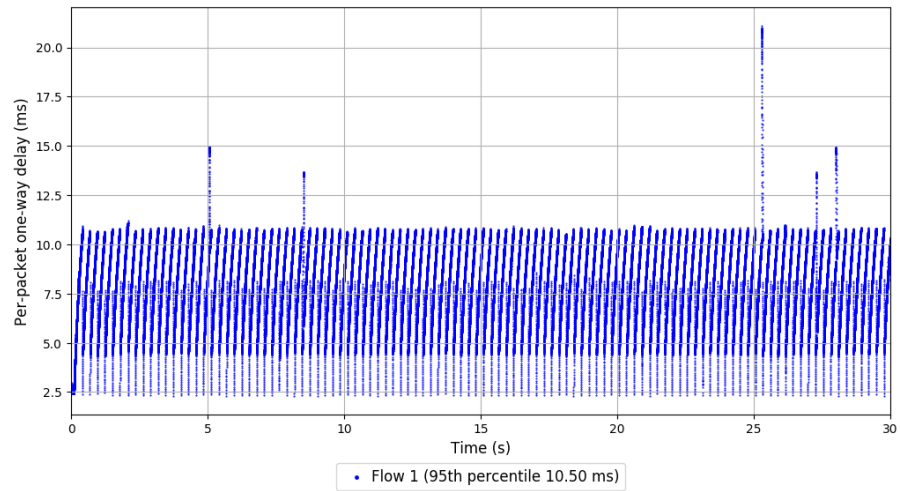
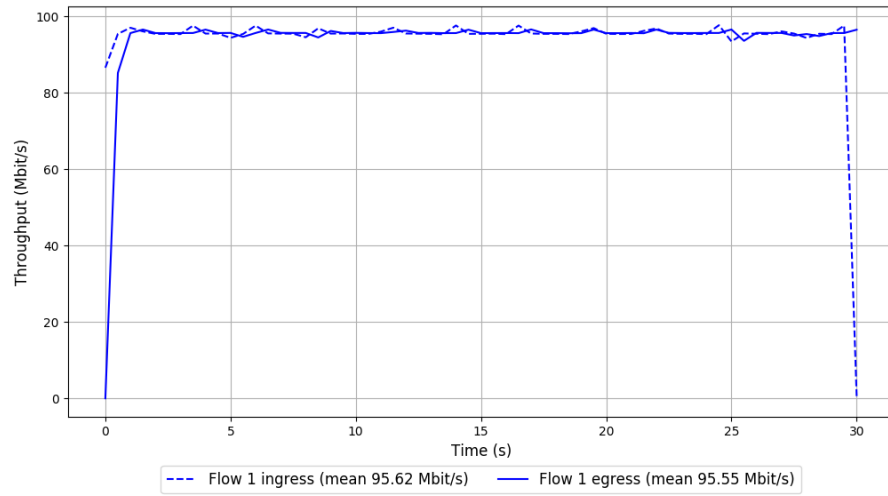


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 02:33:19
End at: 2018-07-18 02:33:49
Local clock offset: -5.689 ms
Remote clock offset: -2.214 ms

Below is generated by plot.py at 2018-07-18 04:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 10.502 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 10.502 ms
Loss rate: 0.09%

Run 5: Report of LEDBAT — Data Link

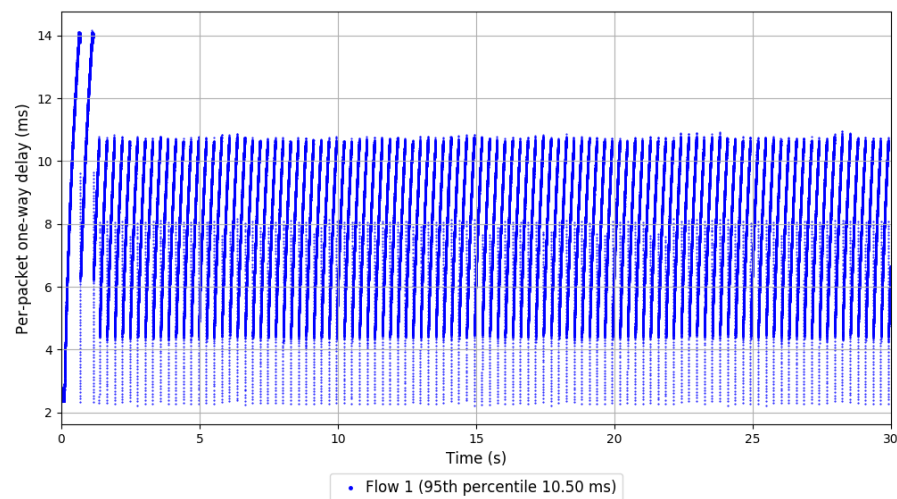
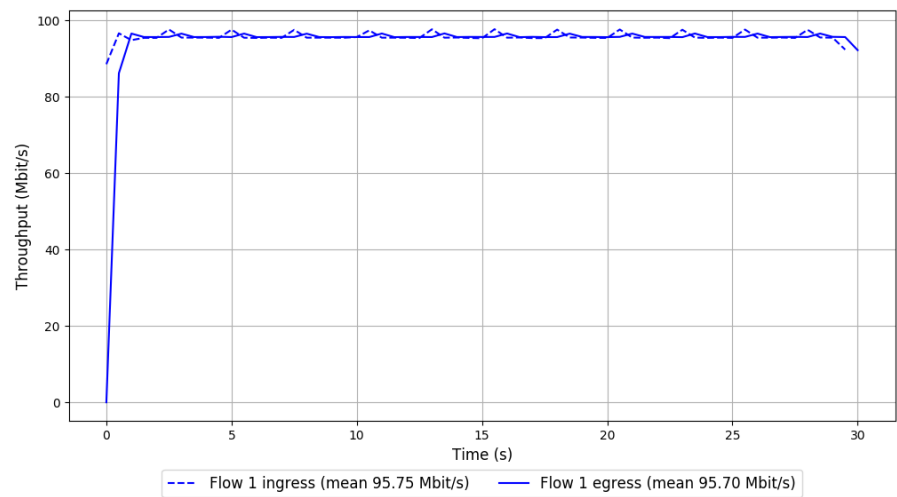


Run 6: Statistics of LEDBAT

Start at: 2018-07-18 02:52:22
End at: 2018-07-18 02:52:52
Local clock offset: -5.562 ms
Remote clock offset: -1.639 ms

Below is generated by plot.py at 2018-07-18 04:32:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.499 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.499 ms
Loss rate: 0.07%

Run 6: Report of LEDBAT — Data Link

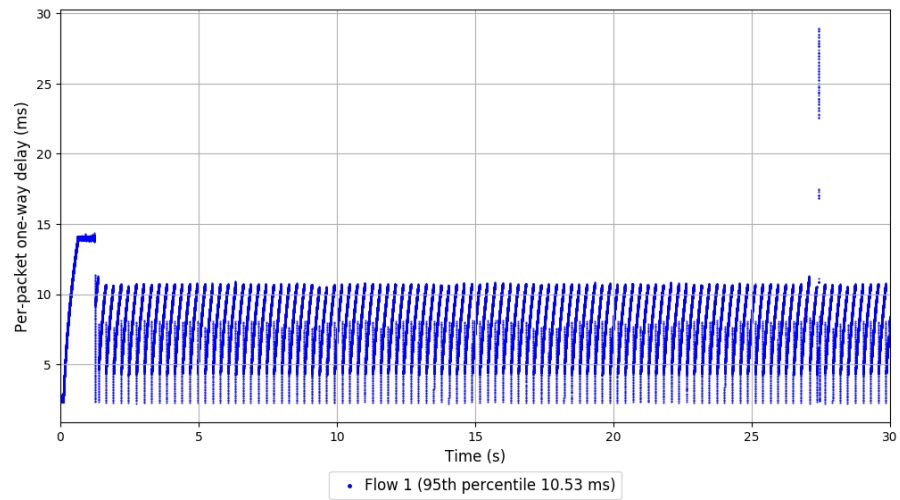
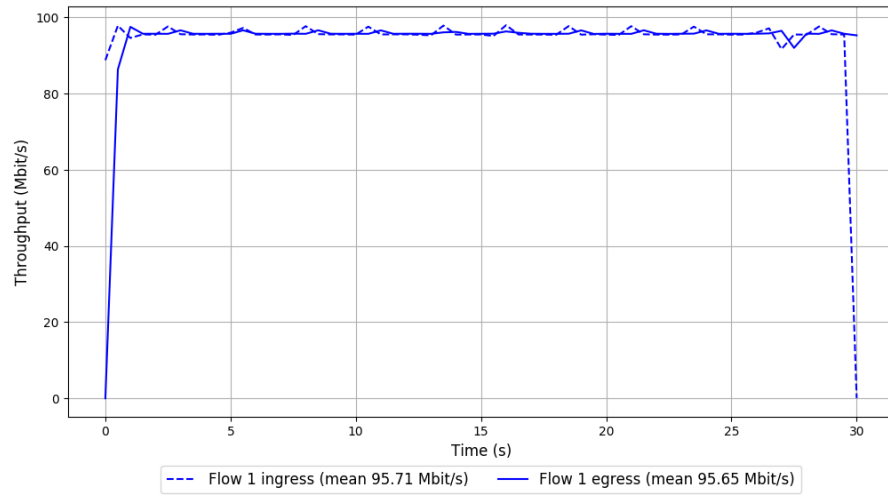


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 03:11:24
End at: 2018-07-18 03:11:54
Local clock offset: -5.482 ms
Remote clock offset: -2.305 ms

Below is generated by plot.py at 2018-07-18 04:32:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.525 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.525 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link

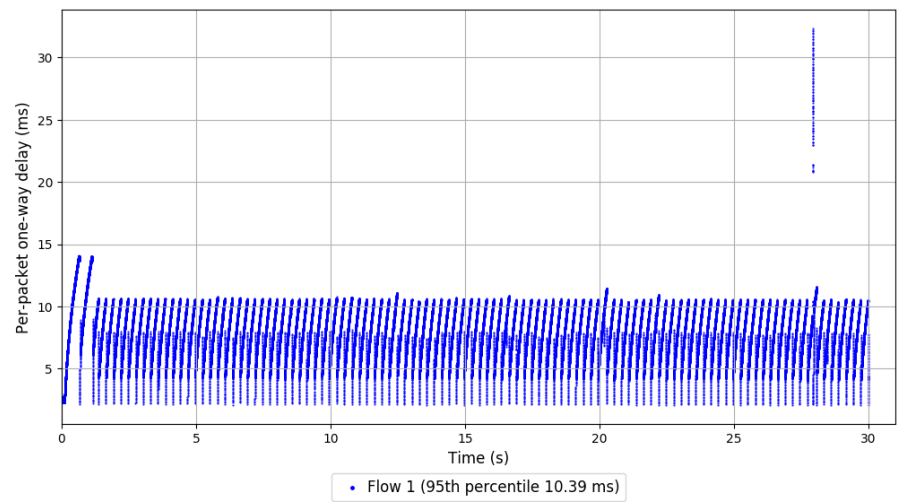
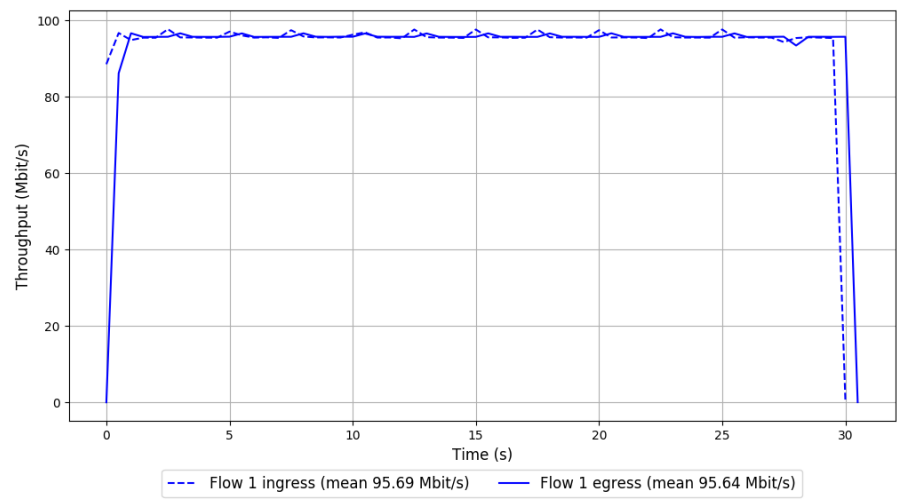


Run 8: Statistics of LEDBAT

Start at: 2018-07-18 03:30:26
End at: 2018-07-18 03:30:56
Local clock offset: -3.262 ms
Remote clock offset: -2.274 ms

Below is generated by plot.py at 2018-07-18 04:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.391 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.391 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link

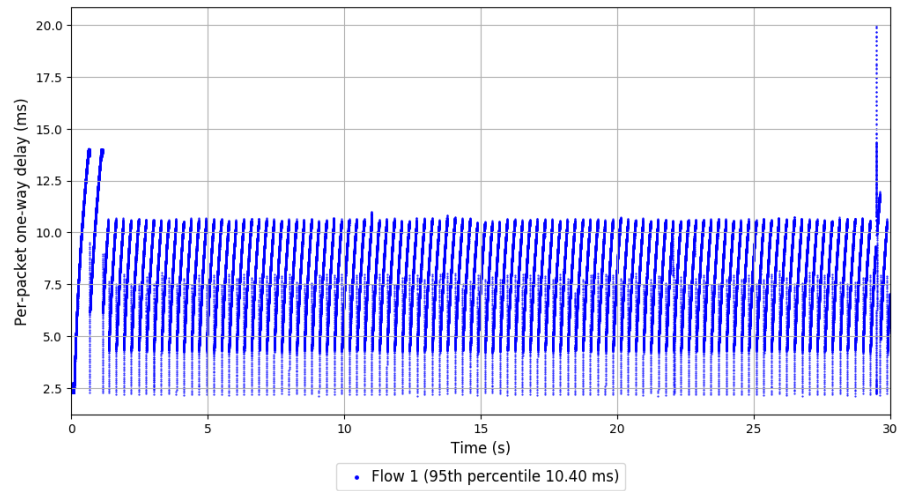
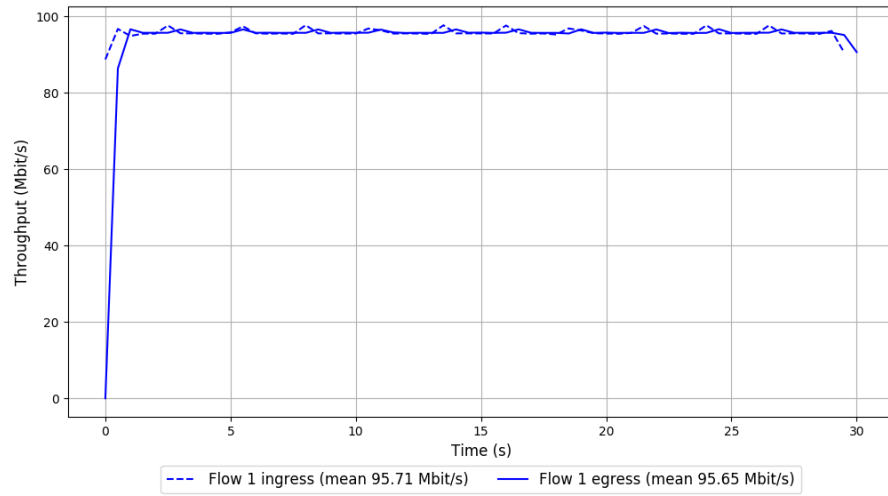


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 03:49:29
End at: 2018-07-18 03:49:59
Local clock offset: -0.274 ms
Remote clock offset: -1.505 ms

Below is generated by plot.py at 2018-07-18 04:32:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.403 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.403 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

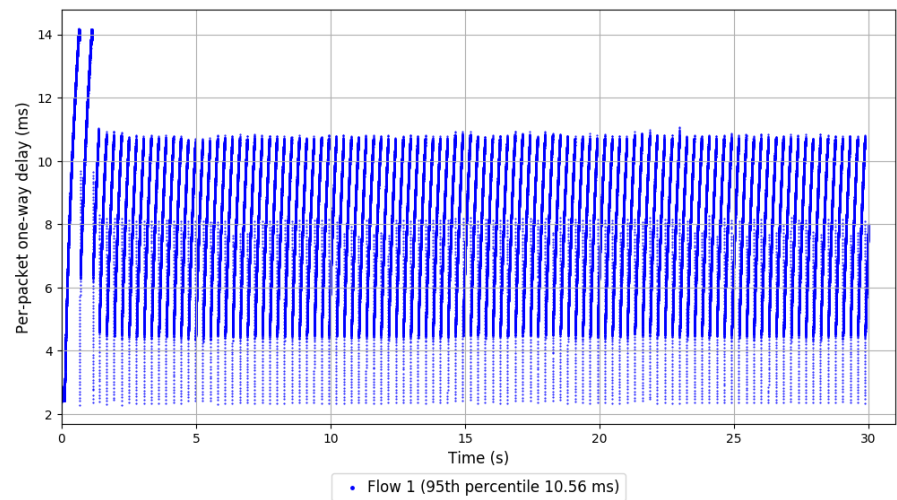
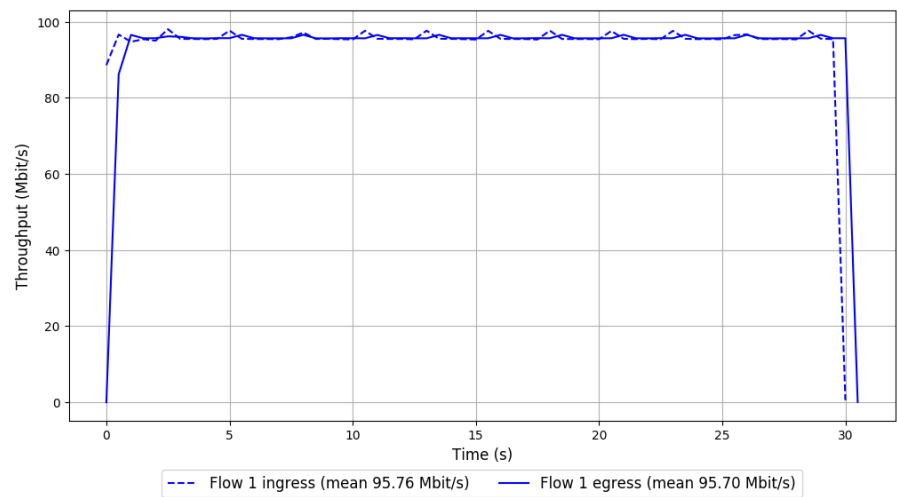


Run 10: Statistics of LEDBAT

Start at: 2018-07-18 04:08:32
End at: 2018-07-18 04:09:02
Local clock offset: -4.753 ms
Remote clock offset: -2.214 ms

Below is generated by plot.py at 2018-07-18 04:32:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.556 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 10.556 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 01:18:23

End at: 2018-07-18 01:18:53

Local clock offset: -6.491 ms

Remote clock offset: -8.249 ms

Below is generated by plot.py at 2018-07-18 04:32:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 3.677 ms

Loss rate: 0.02%

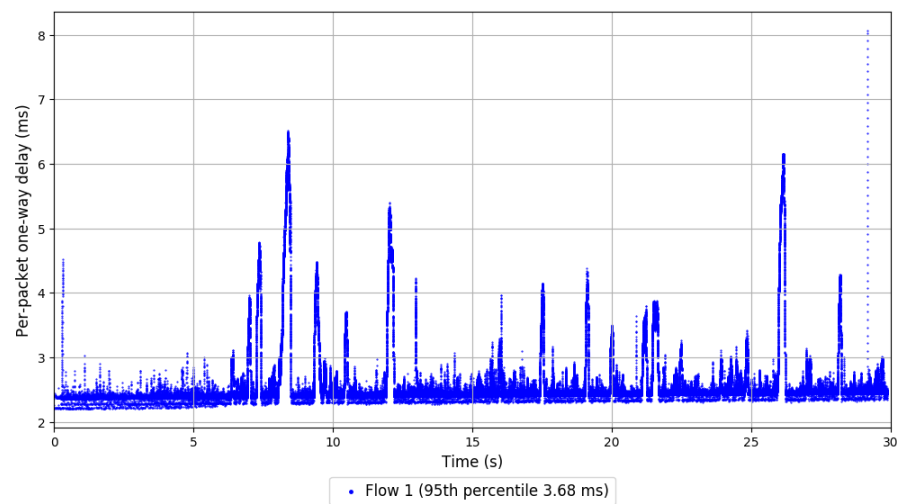
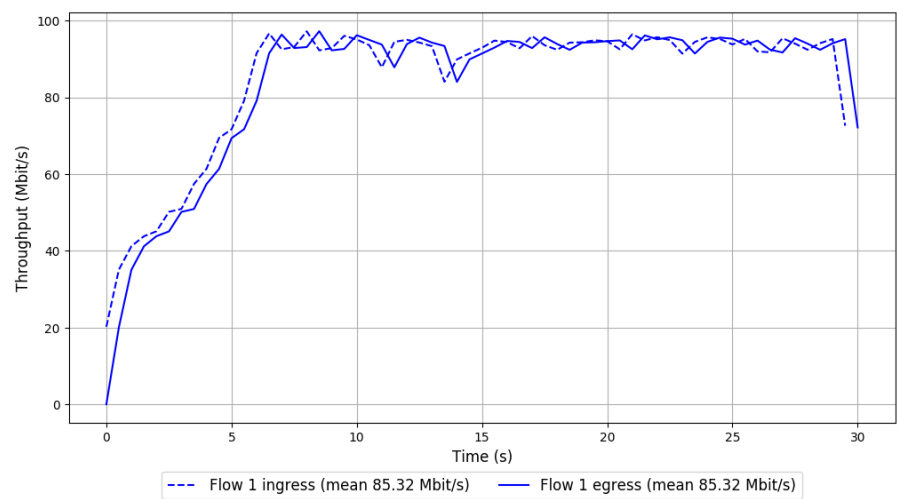
-- Flow 1:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 3.677 ms

Loss rate: 0.02%

Run 1: Report of PCC-Allegro — Data Link

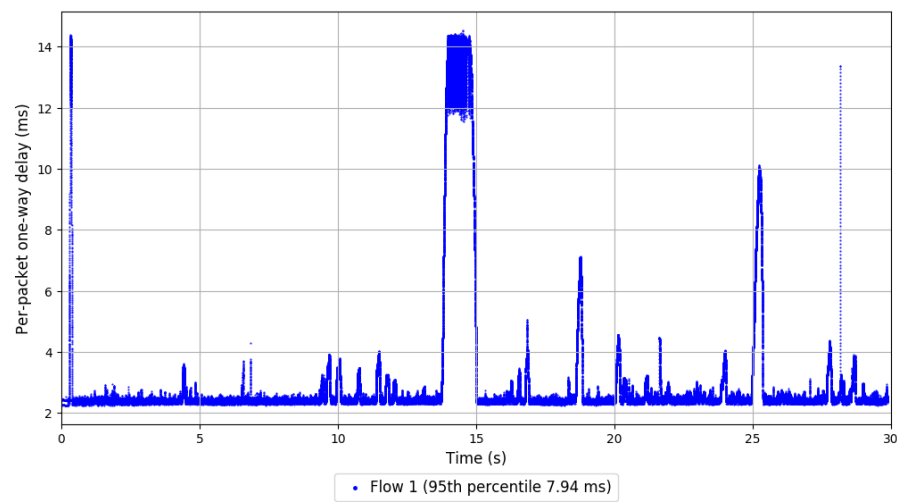
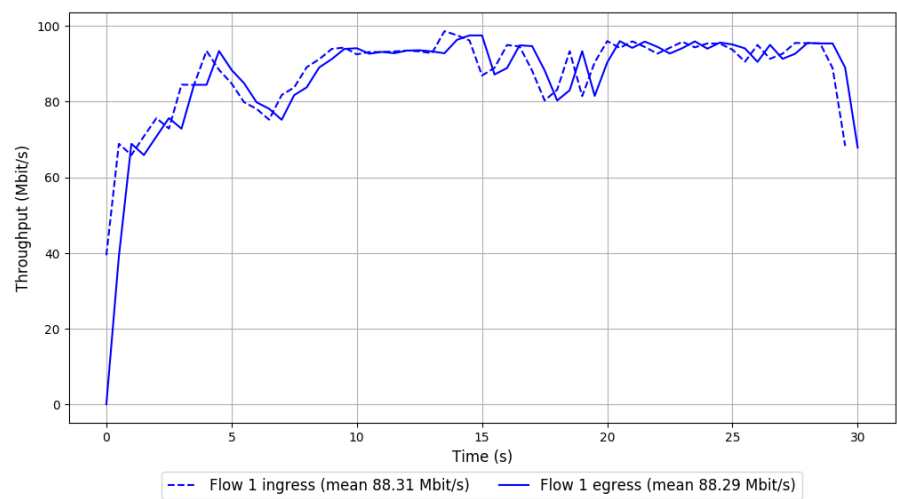


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 01:37:21
End at: 2018-07-18 01:37:51
Local clock offset: -5.948 ms
Remote clock offset: -7.441 ms

Below is generated by plot.py at 2018-07-18 04:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 7.939 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 7.939 ms
Loss rate: 0.03%

Run 2: Report of PCC-Allegro — Data Link

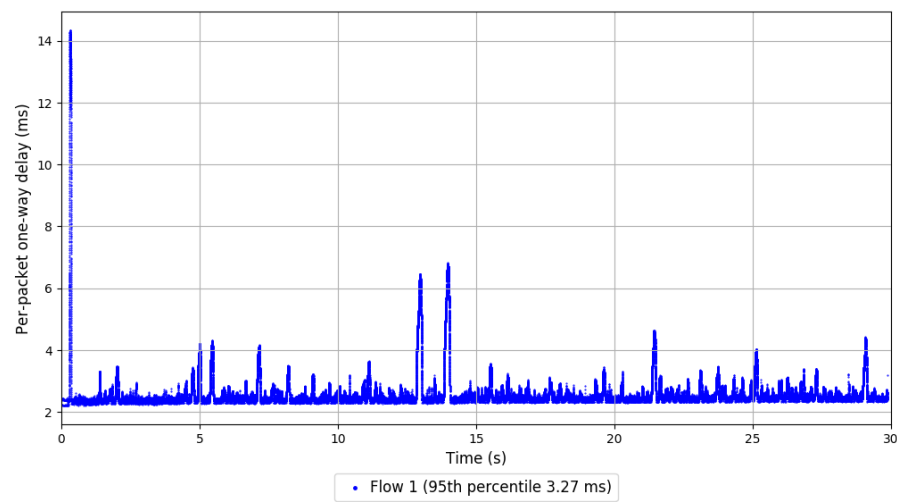
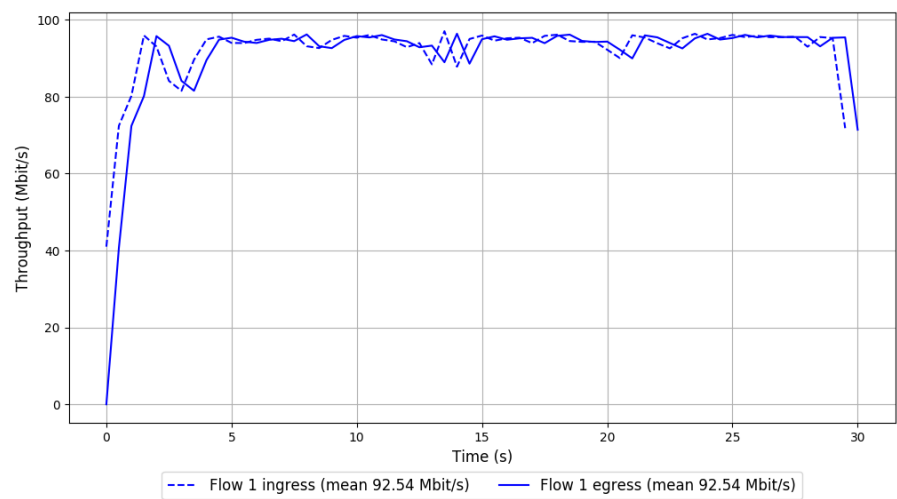


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 01:56:21
End at: 2018-07-18 01:56:51
Local clock offset: -5.879 ms
Remote clock offset: -4.451 ms

Below is generated by plot.py at 2018-07-18 04:33:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 3.266 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 3.266 ms
Loss rate: 0.02%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 02:15:25

End at: 2018-07-18 02:15:55

Local clock offset: -5.731 ms

Remote clock offset: -2.77 ms

Below is generated by plot.py at 2018-07-18 04:33:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.65 Mbit/s

95th percentile per-packet one-way delay: 3.208 ms

Loss rate: 0.02%

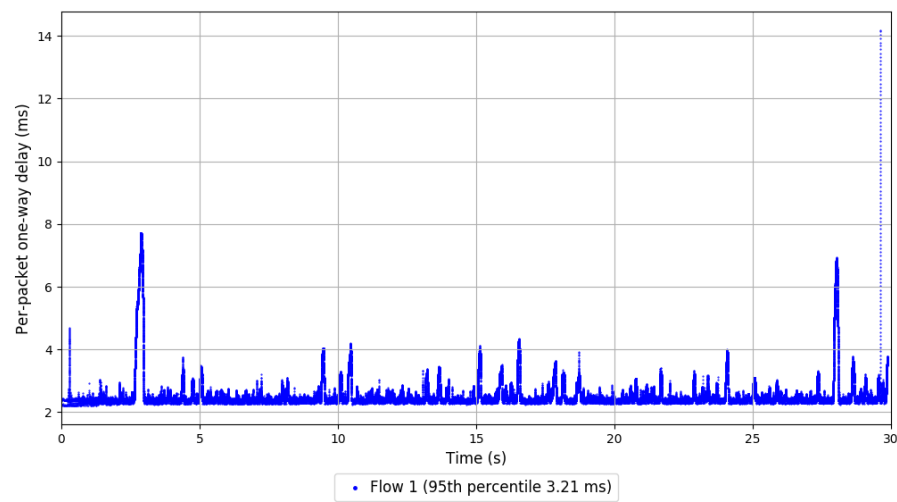
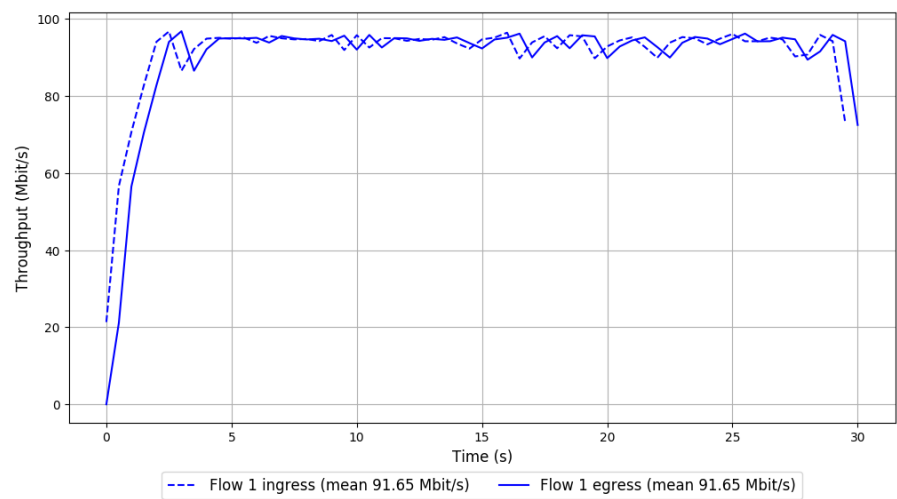
-- Flow 1:

Average throughput: 91.65 Mbit/s

95th percentile per-packet one-way delay: 3.208 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 02:34:28

End at: 2018-07-18 02:34:58

Local clock offset: -5.697 ms

Remote clock offset: -2.114 ms

Below is generated by plot.py at 2018-07-18 04:33:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 3.447 ms

Loss rate: 0.02%

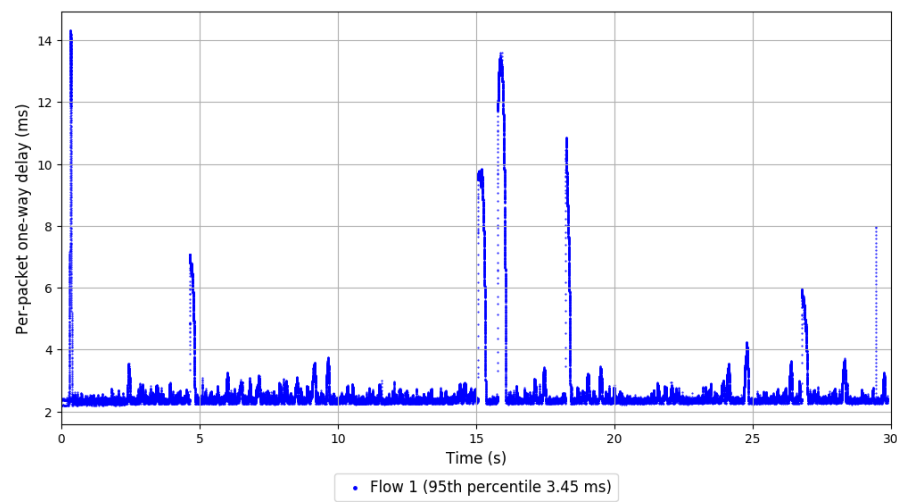
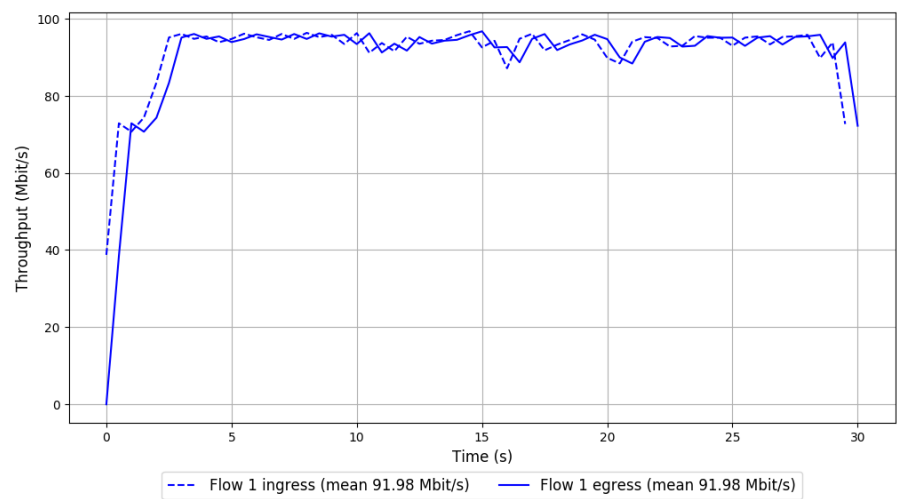
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 3.447 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 02:53:30

End at: 2018-07-18 02:54:00

Local clock offset: -5.554 ms

Remote clock offset: -1.652 ms

Below is generated by plot.py at 2018-07-18 04:33:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.53 Mbit/s

95th percentile per-packet one-way delay: 3.017 ms

Loss rate: 0.02%

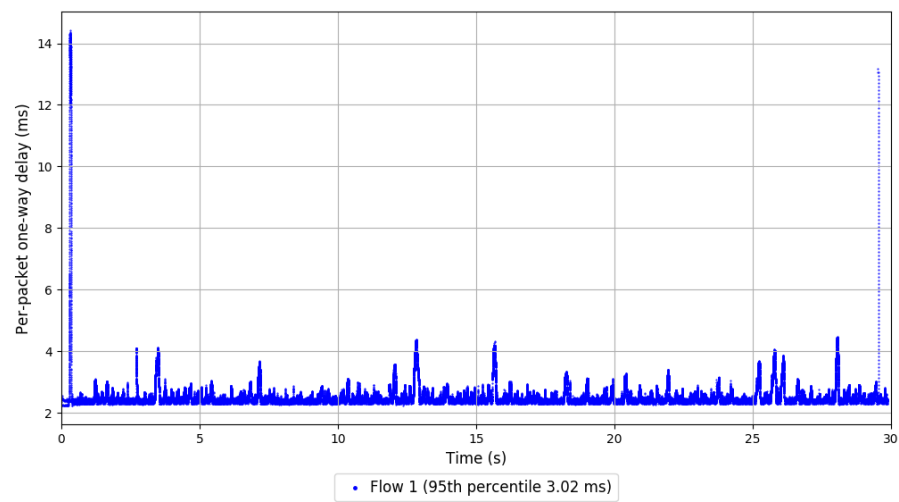
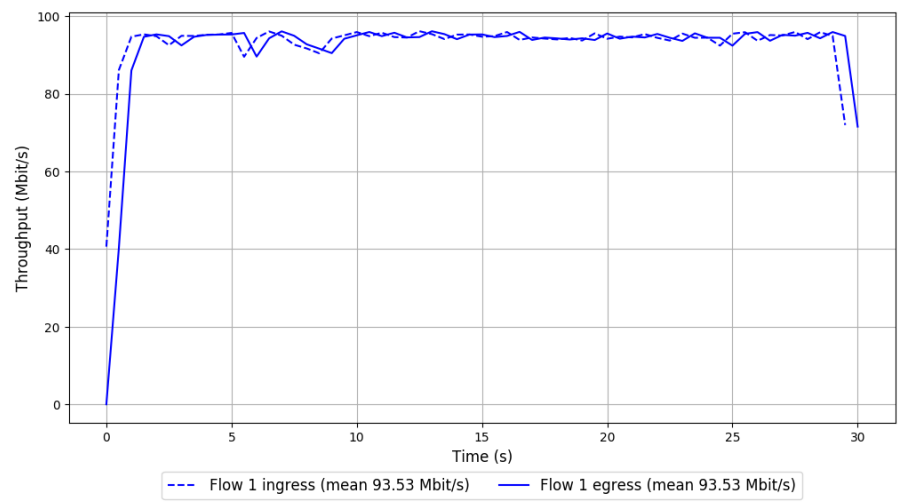
-- Flow 1:

Average throughput: 93.53 Mbit/s

95th percentile per-packet one-way delay: 3.017 ms

Loss rate: 0.02%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 03:12:33

End at: 2018-07-18 03:13:03

Local clock offset: -5.478 ms

Remote clock offset: -2.357 ms

Below is generated by plot.py at 2018-07-18 04:33:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 3.069 ms

Loss rate: 0.01%

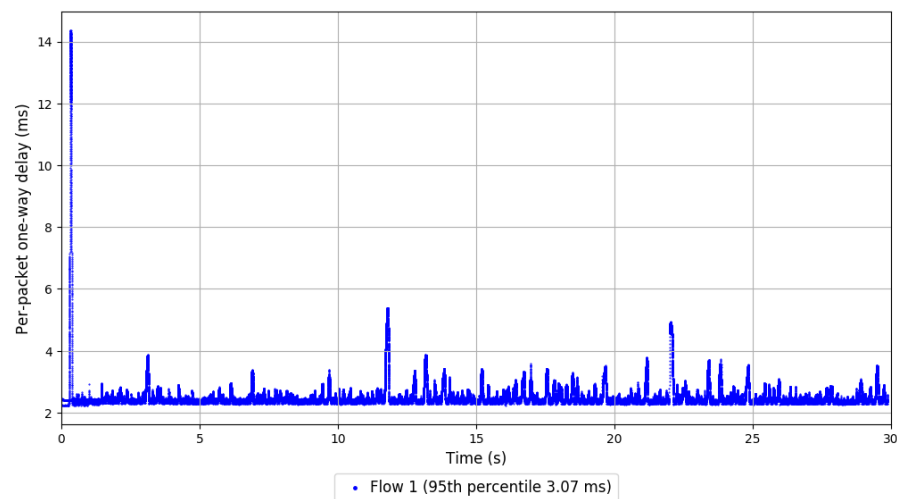
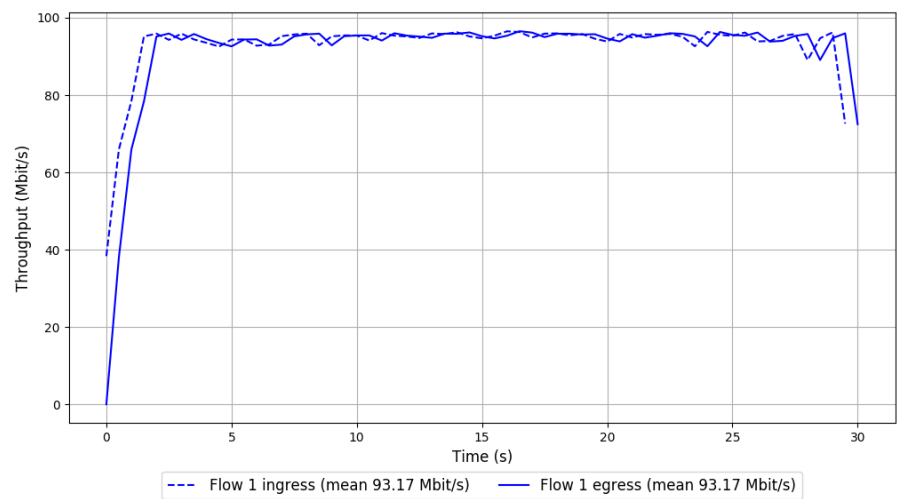
-- Flow 1:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 3.069 ms

Loss rate: 0.01%

Run 7: Report of PCC-Allegro — Data Link

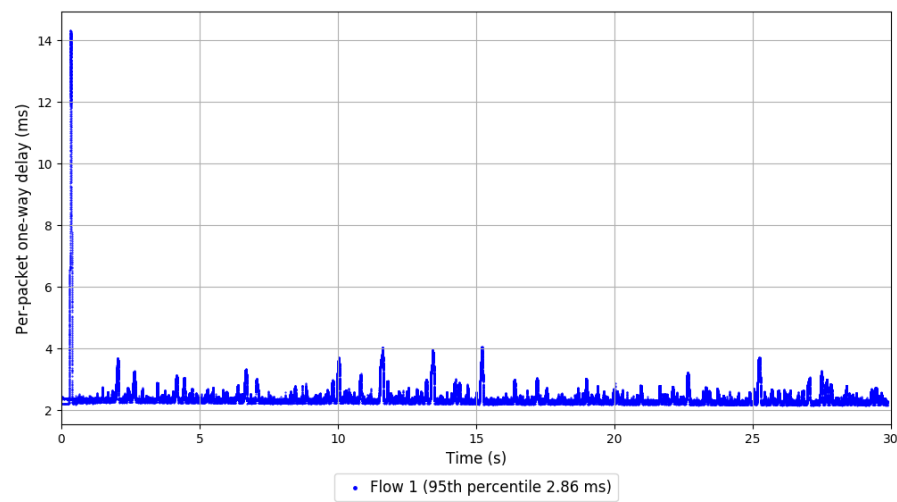
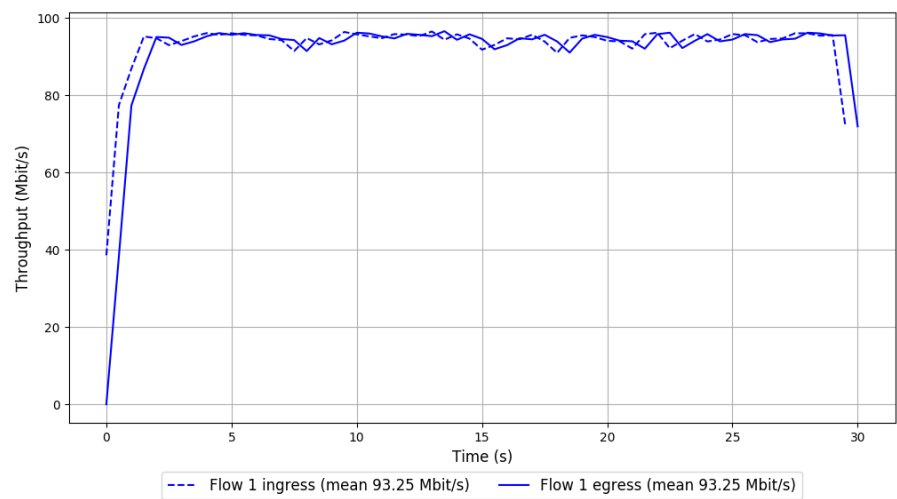


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 03:31:35
End at: 2018-07-18 03:32:05
Local clock offset: -2.916 ms
Remote clock offset: -2.221 ms

Below is generated by plot.py at 2018-07-18 04:33:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 2.860 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 2.860 ms
Loss rate: 0.02%

Run 8: Report of PCC-Allegro — Data Link

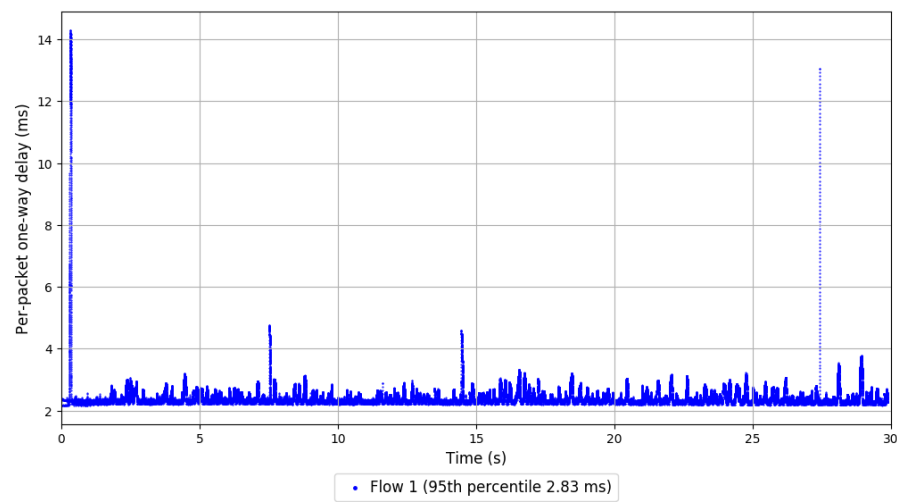
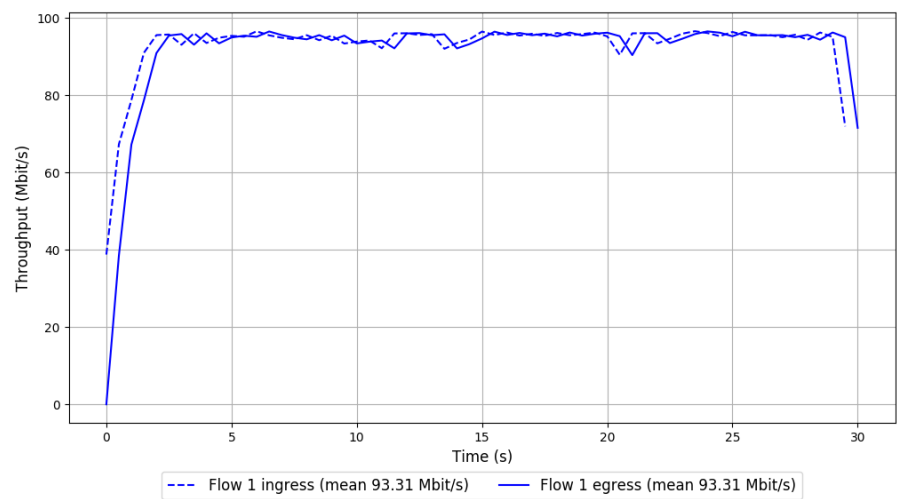


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 03:50:37
End at: 2018-07-18 03:51:07
Local clock offset: -0.097 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-07-18 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 2.825 ms
Loss rate: 0.02%

Run 9: Report of PCC-Allegro — Data Link

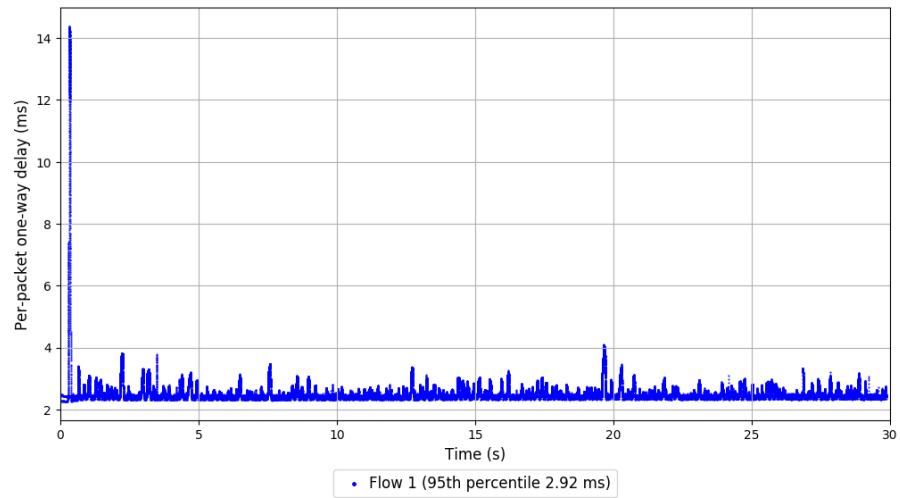
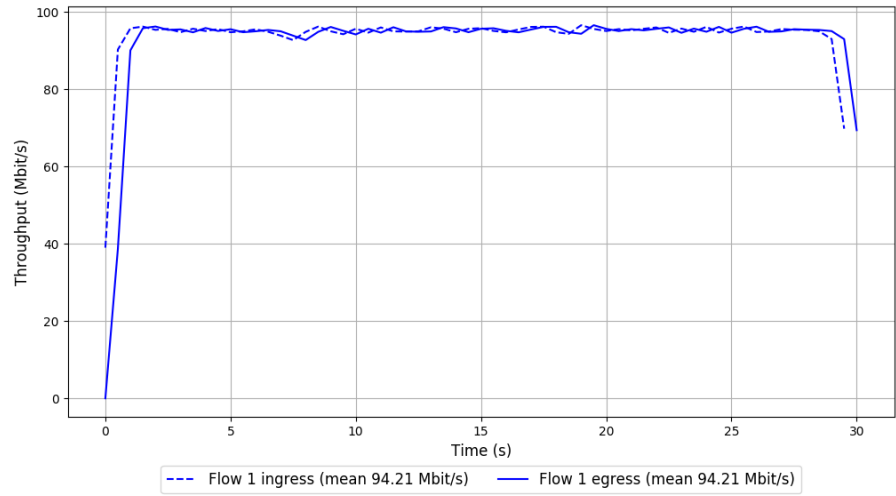


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 04:09:40
End at: 2018-07-18 04:10:10
Local clock offset: -4.857 ms
Remote clock offset: -2.287 ms

Below is generated by plot.py at 2018-07-18 04:34:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.01%

Run 10: Report of PCC-Allegro — Data Link

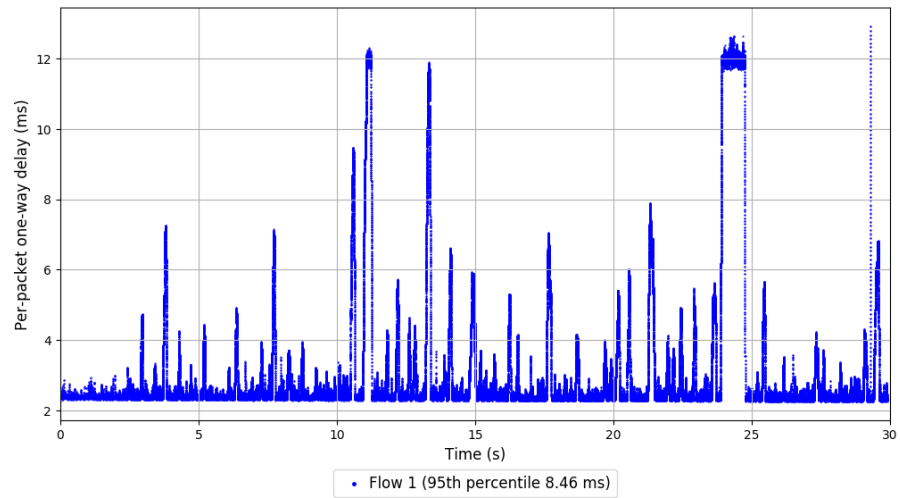
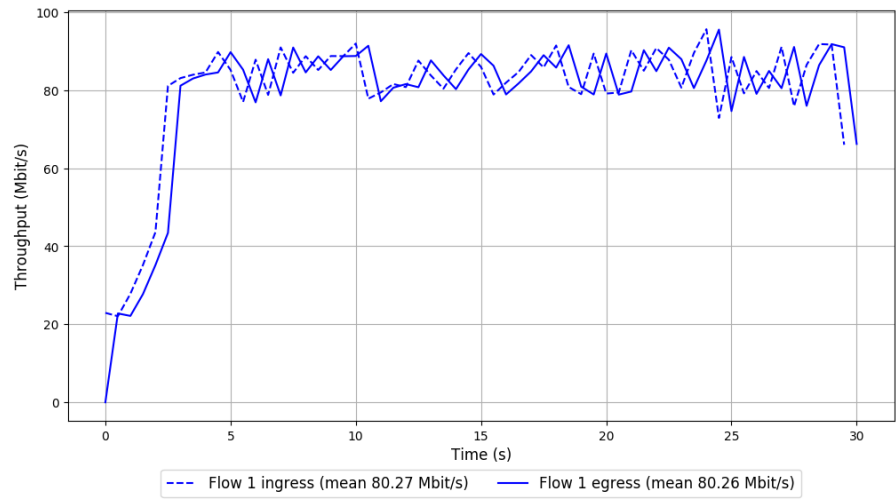


Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 01:10:31
End at: 2018-07-18 01:11:02
Local clock offset: -6.401 ms
Remote clock offset: -9.568 ms

Below is generated by plot.py at 2018-07-18 04:35:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 8.461 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 8.461 ms
Loss rate: 0.03%

Run 1: Report of PCC-Expr — Data Link

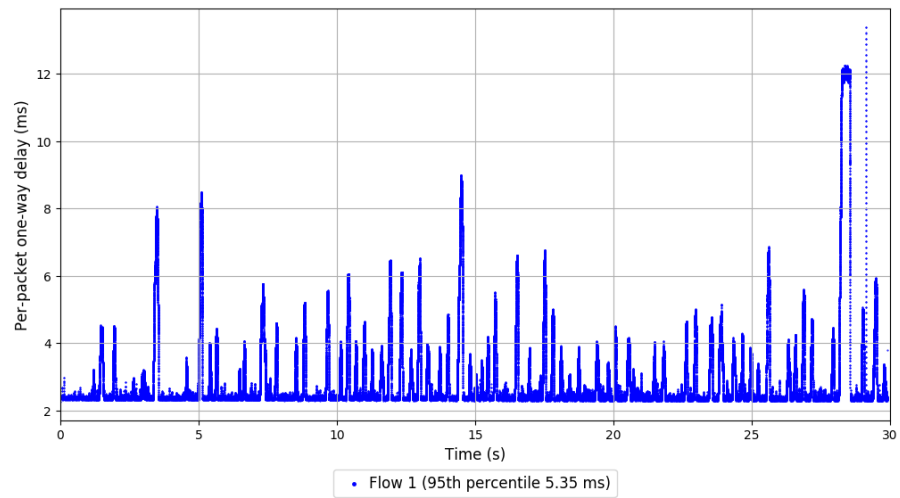
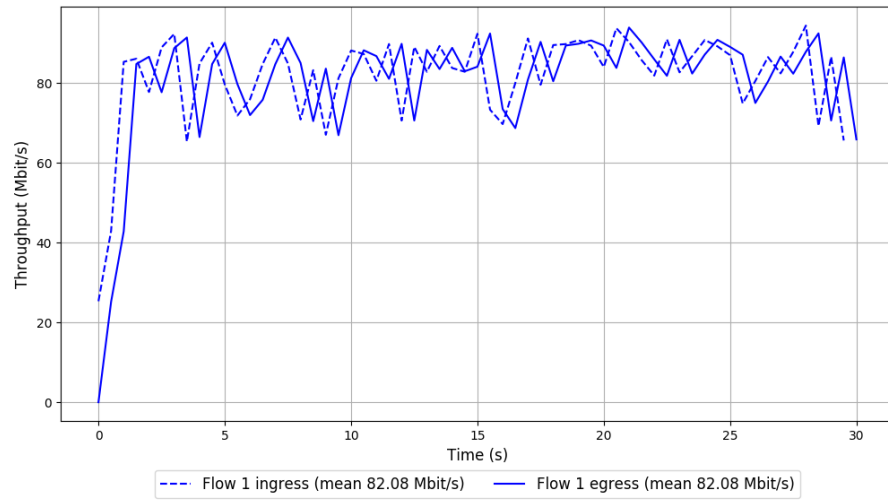


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 01:29:29
End at: 2018-07-18 01:29:59
Local clock offset: -6.22 ms
Remote clock offset: -7.382 ms

Below is generated by plot.py at 2018-07-18 04:35:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.08 Mbit/s
95th percentile per-packet one-way delay: 5.351 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.08 Mbit/s
95th percentile per-packet one-way delay: 5.351 ms
Loss rate: 0.02%

Run 2: Report of PCC-Expr — Data Link

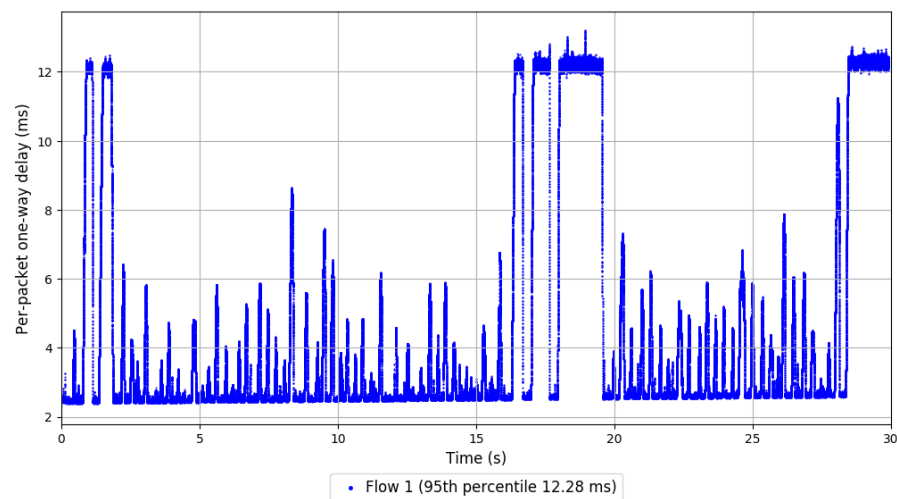
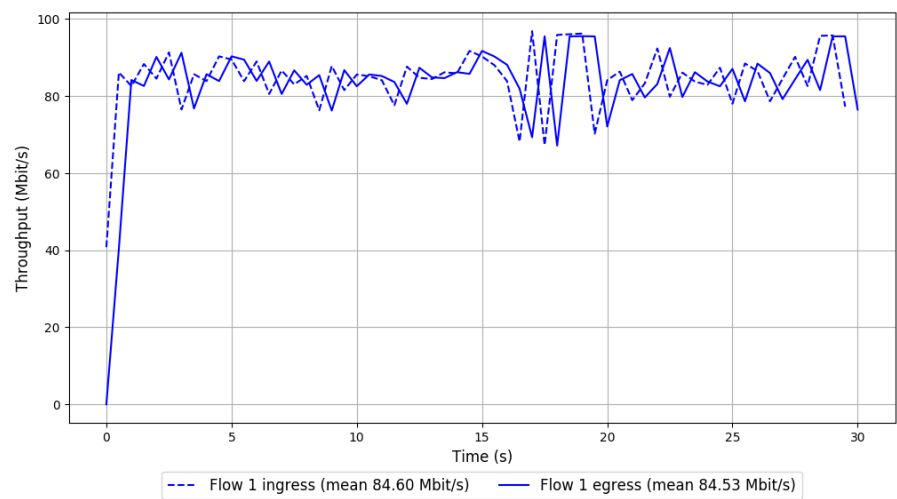


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 01:48:29
End at: 2018-07-18 01:48:59
Local clock offset: -5.878 ms
Remote clock offset: -6.722 ms

Below is generated by plot.py at 2018-07-18 04:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 12.277 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 12.277 ms
Loss rate: 0.11%

Run 3: Report of PCC-Expr — Data Link

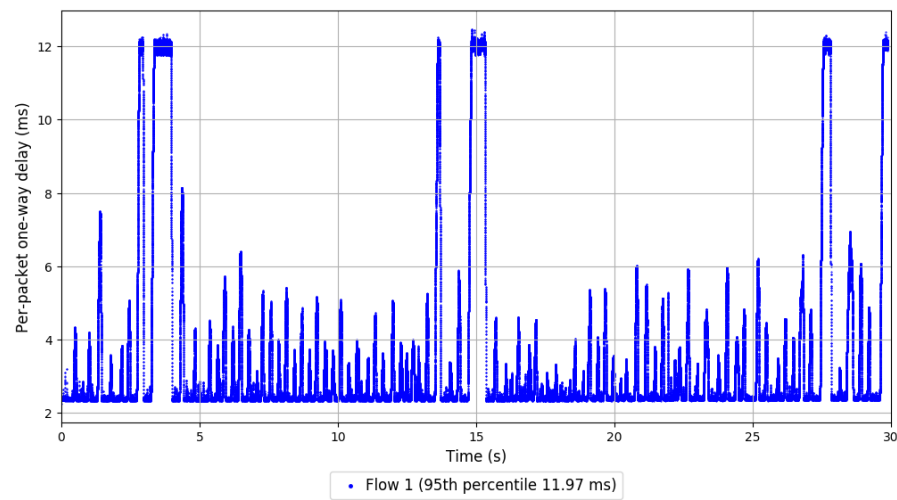
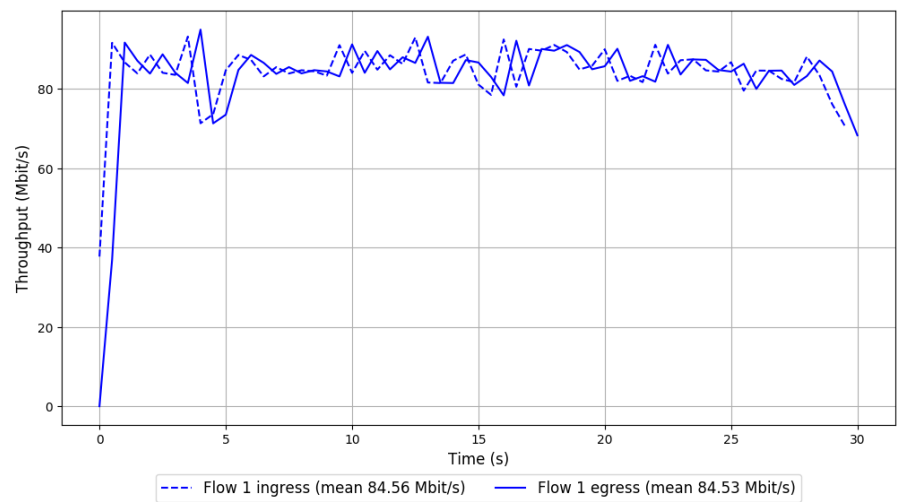


Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 02:07:31
End at: 2018-07-18 02:08:01
Local clock offset: -5.785 ms
Remote clock offset: -3.178 ms

Below is generated by plot.py at 2018-07-18 04:35:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 11.974 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 11.974 ms
Loss rate: 0.07%

Run 4: Report of PCC-Expr — Data Link

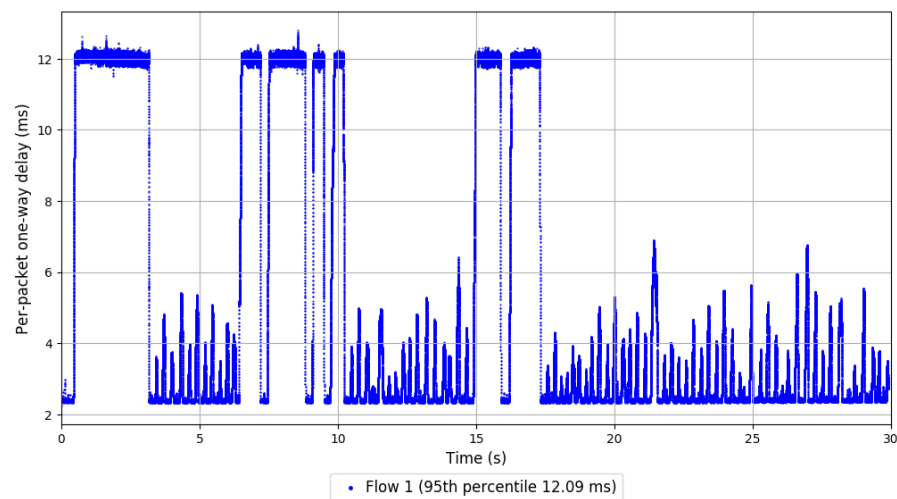
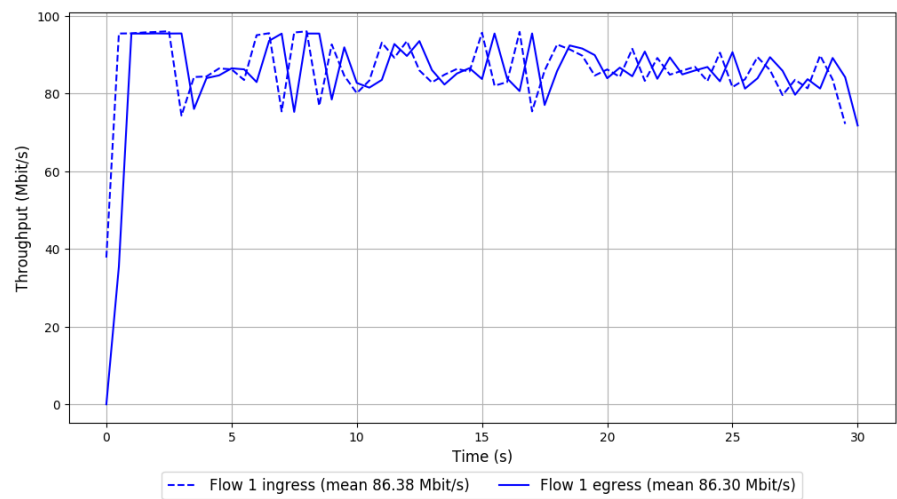


Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 02:26:35
End at: 2018-07-18 02:27:05
Local clock offset: -5.602 ms
Remote clock offset: -2.353 ms

Below is generated by plot.py at 2018-07-18 04:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 12.092 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 12.092 ms
Loss rate: 0.12%

Run 5: Report of PCC-Expr — Data Link

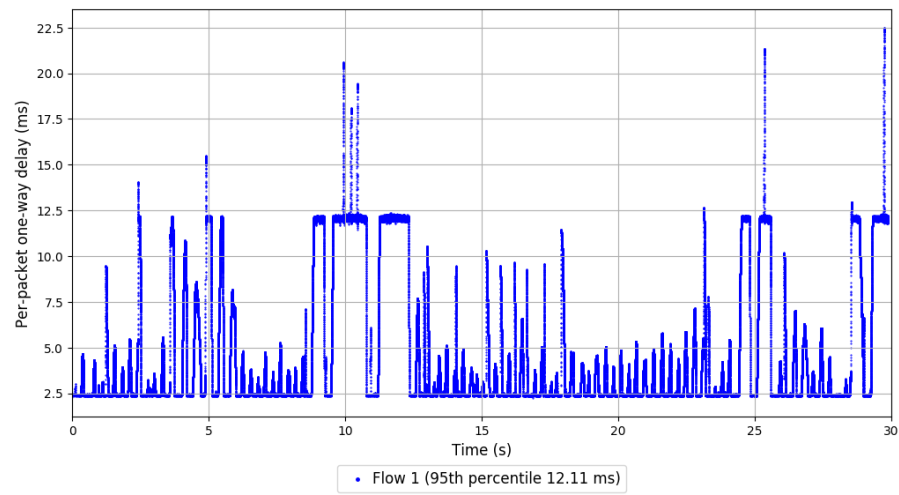
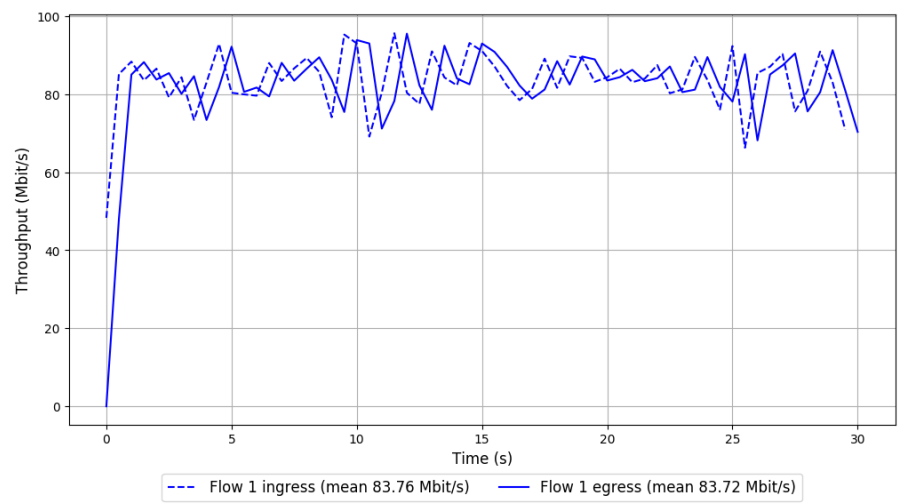


Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 02:45:38
End at: 2018-07-18 02:46:08
Local clock offset: -5.647 ms
Remote clock offset: -1.867 ms

Below is generated by plot.py at 2018-07-18 04:35:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 12.105 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 12.105 ms
Loss rate: 0.07%

Run 6: Report of PCC-Expr — Data Link

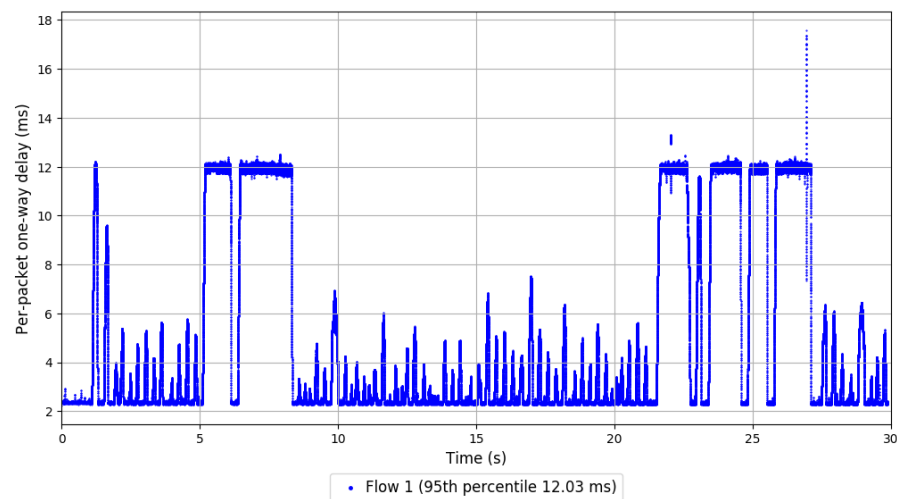
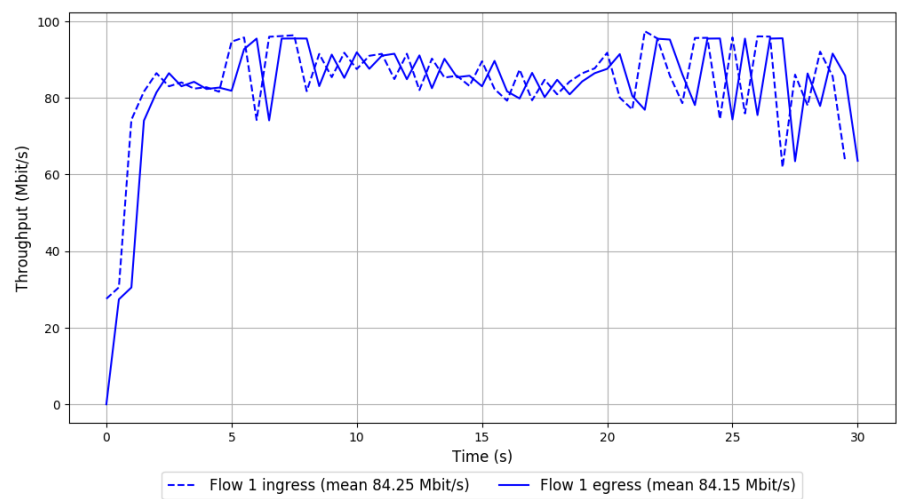


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 03:04:40
End at: 2018-07-18 03:05:10
Local clock offset: -5.586 ms
Remote clock offset: -2.208 ms

Below is generated by plot.py at 2018-07-18 04:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 12.034 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 12.034 ms
Loss rate: 0.13%

Run 7: Report of PCC-Expr — Data Link

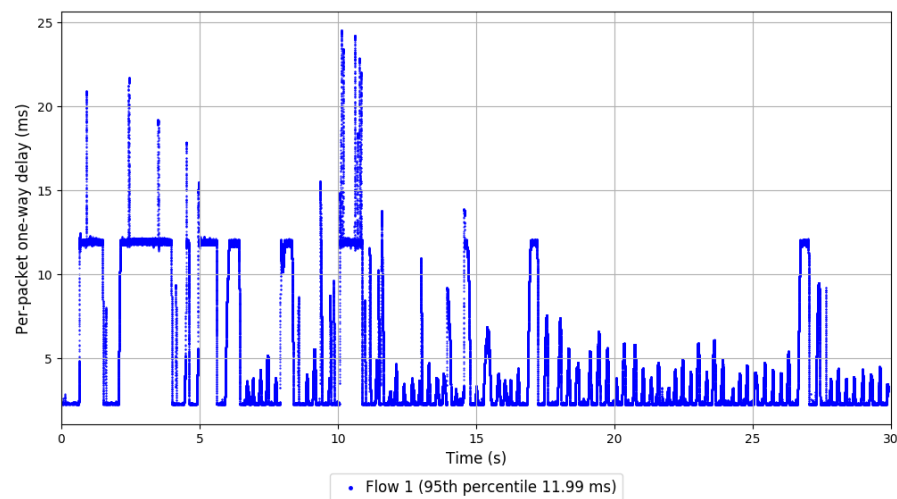
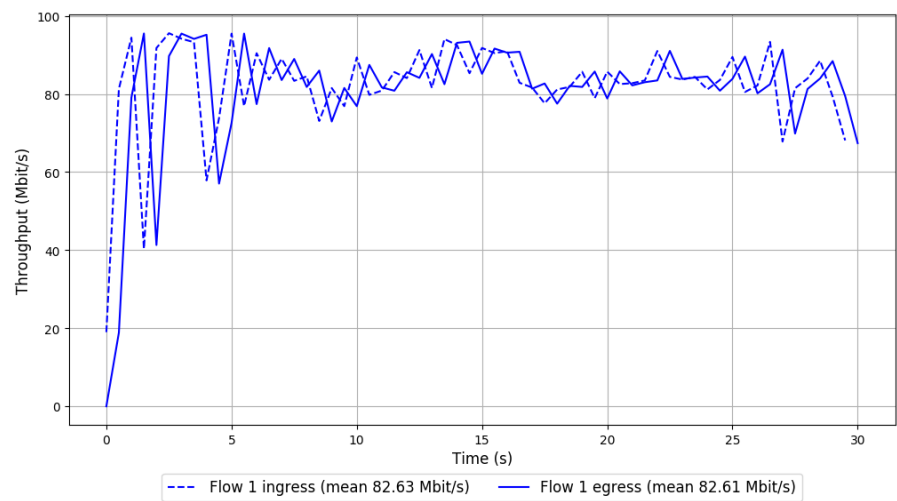


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 03:23:42
End at: 2018-07-18 03:24:12
Local clock offset: -5.43 ms
Remote clock offset: -2.356 ms

Below is generated by plot.py at 2018-07-18 04:36:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 11.987 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 11.987 ms
Loss rate: 0.04%

Run 8: Report of PCC-Expr — Data Link

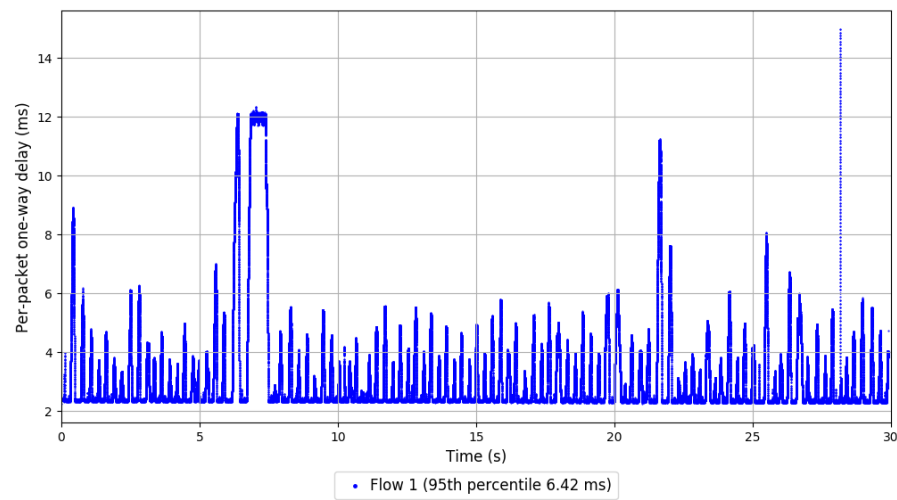
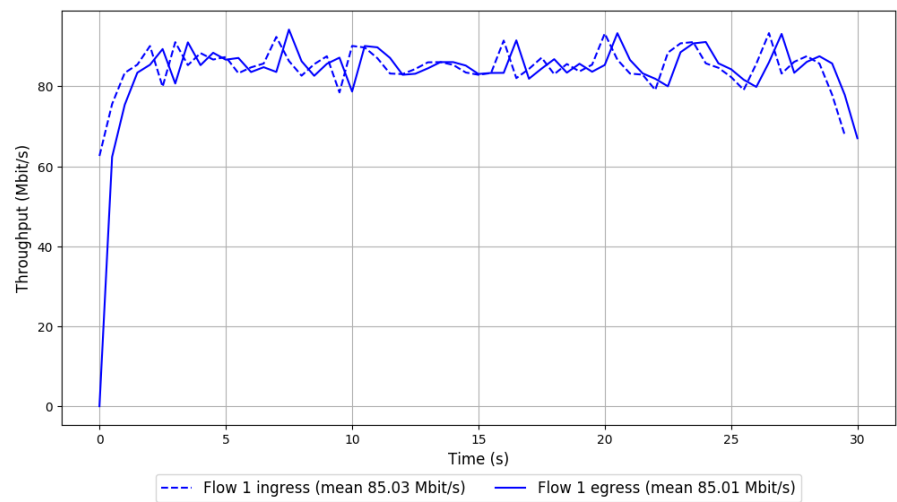


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 03:42:45
End at: 2018-07-18 03:43:15
Local clock offset: -0.895 ms
Remote clock offset: -1.665 ms

Below is generated by plot.py at 2018-07-18 04:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 6.418 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 6.418 ms
Loss rate: 0.03%

Run 9: Report of PCC-Expr — Data Link

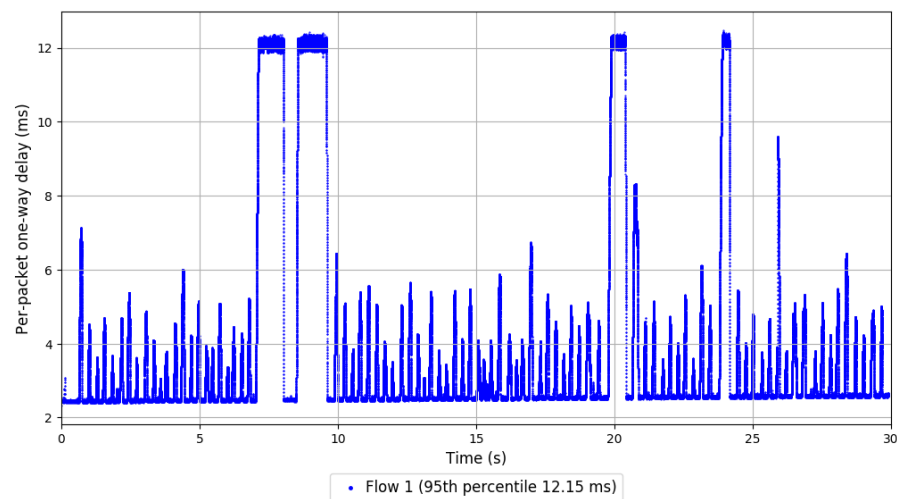
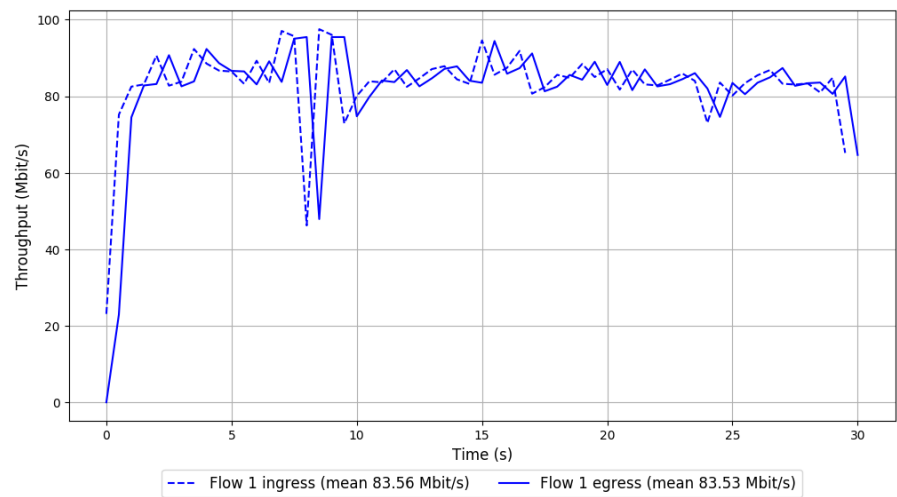


Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 04:01:47
End at: 2018-07-18 04:02:17
Local clock offset: -3.119 ms
Remote clock offset: -1.262 ms

Below is generated by plot.py at 2018-07-18 04:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 12.150 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 12.150 ms
Loss rate: 0.05%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 01:20:37

End at: 2018-07-18 01:21:07

Local clock offset: -6.591 ms

Remote clock offset: -7.962 ms

Below is generated by plot.py at 2018-07-18 04:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.14 Mbit/s

95th percentile per-packet one-way delay: 2.614 ms

Loss rate: 0.02%

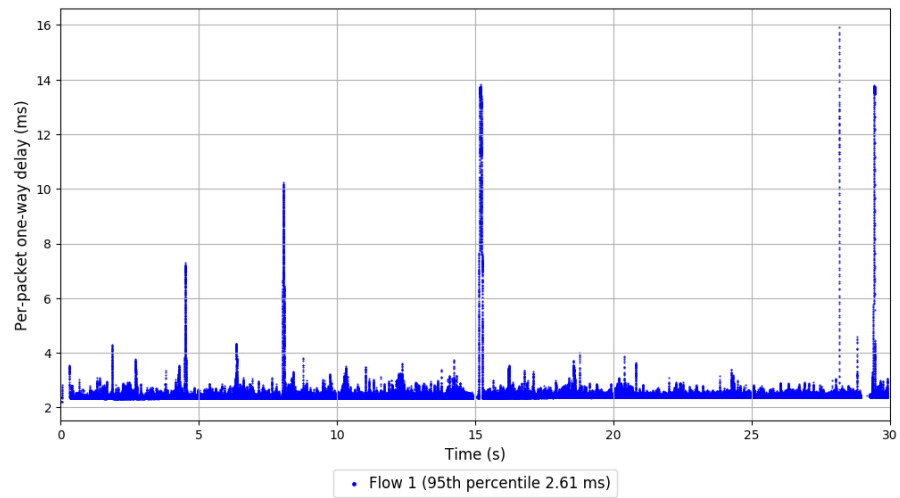
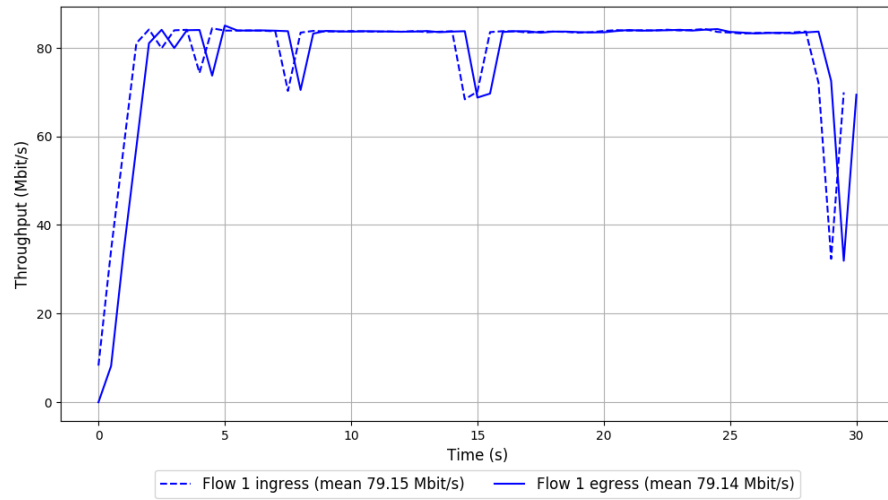
-- Flow 1:

Average throughput: 79.14 Mbit/s

95th percentile per-packet one-way delay: 2.614 ms

Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 01:39:33

End at: 2018-07-18 01:40:03

Local clock offset: -5.895 ms

Remote clock offset: -7.523 ms

Below is generated by plot.py at 2018-07-18 04:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.61 Mbit/s

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

Loss rate: 0.02%

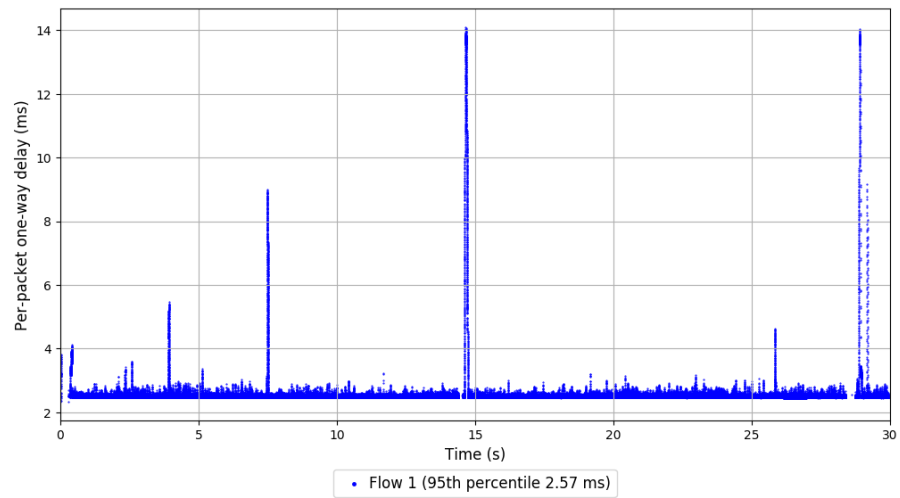
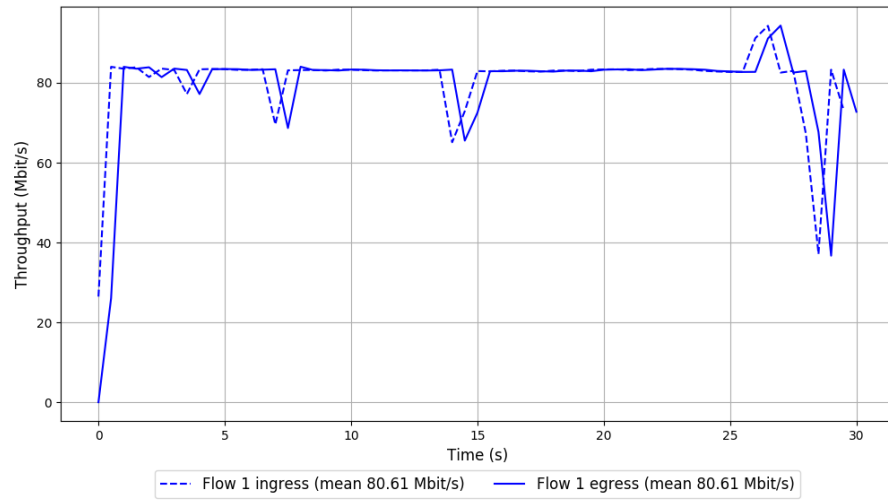
-- Flow 1:

Average throughput: 80.61 Mbit/s

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

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 01:58:36

End at: 2018-07-18 01:59:06

Local clock offset: -5.826 ms

Remote clock offset: -4.192 ms

Below is generated by plot.py at 2018-07-18 04:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 10.868 ms

Loss rate: 0.07%

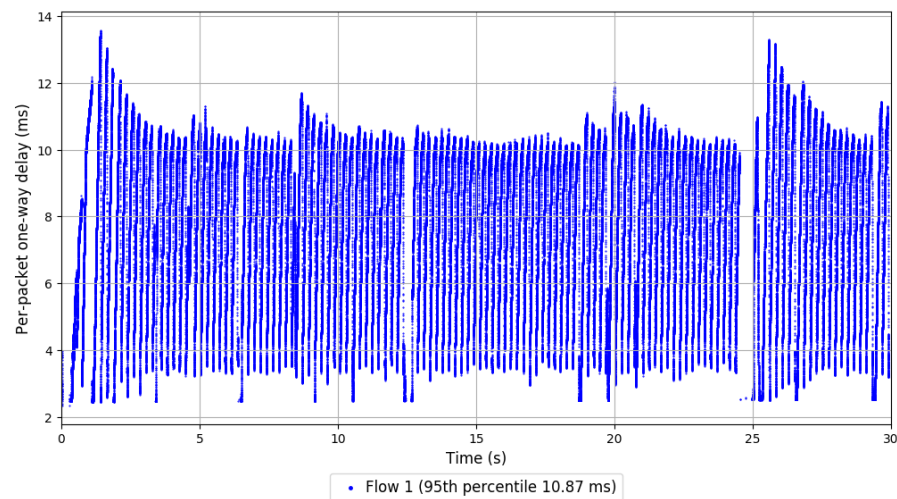
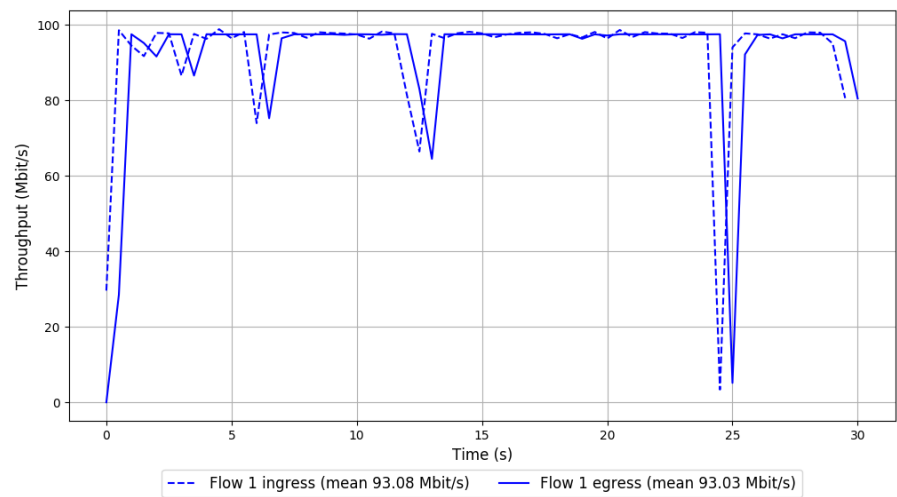
-- Flow 1:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 10.868 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 02:17:39

End at: 2018-07-18 02:18:09

Local clock offset: -5.78 ms

Remote clock offset: -2.819 ms

Below is generated by plot.py at 2018-07-18 04:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 10.250 ms

Loss rate: 0.04%

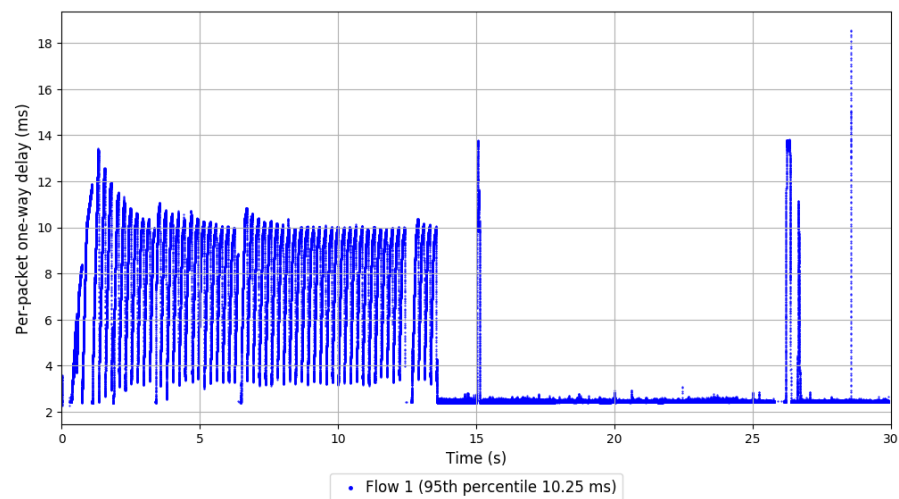
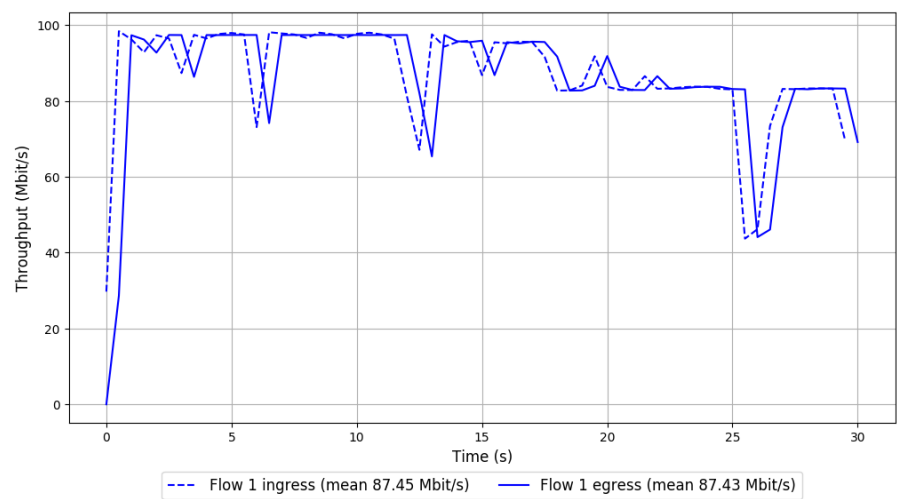
-- Flow 1:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 10.250 ms

Loss rate: 0.04%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 02:36:42

End at: 2018-07-18 02:37:12

Local clock offset: -5.694 ms

Remote clock offset: -2.049 ms

Below is generated by plot.py at 2018-07-18 04:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 11.271 ms

Loss rate: 0.07%

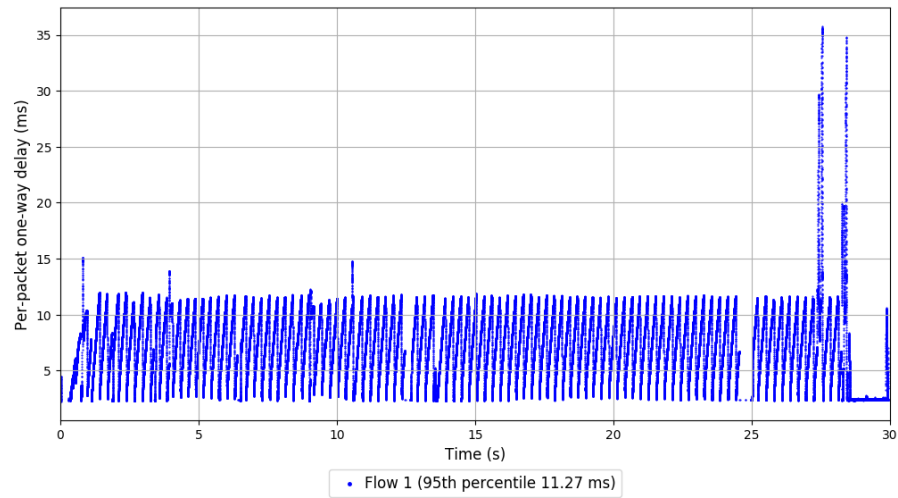
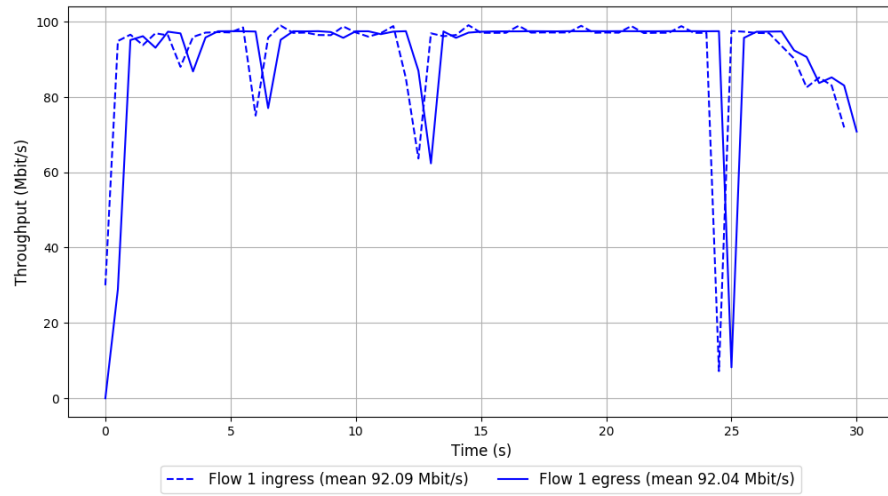
-- Flow 1:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 11.271 ms

Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 02:55:45

End at: 2018-07-18 02:56:15

Local clock offset: -5.545 ms

Remote clock offset: -1.768 ms

Below is generated by plot.py at 2018-07-18 04:37:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 11.463 ms

Loss rate: 0.05%

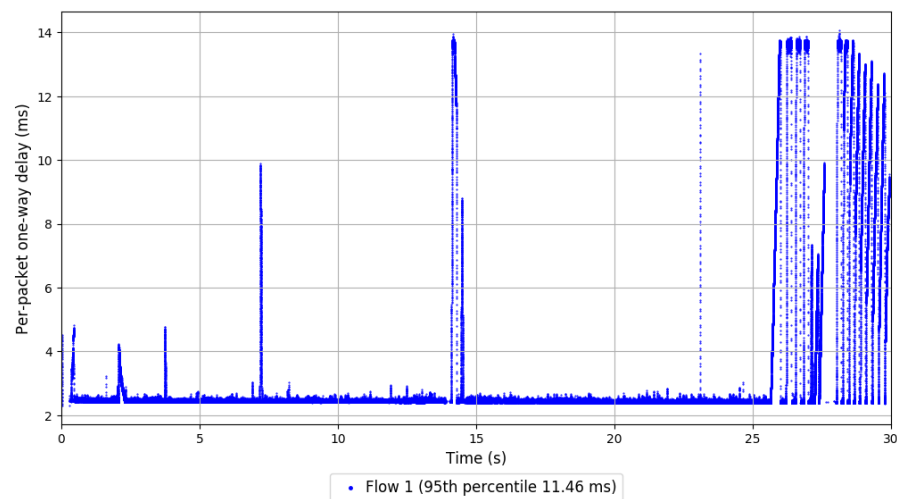
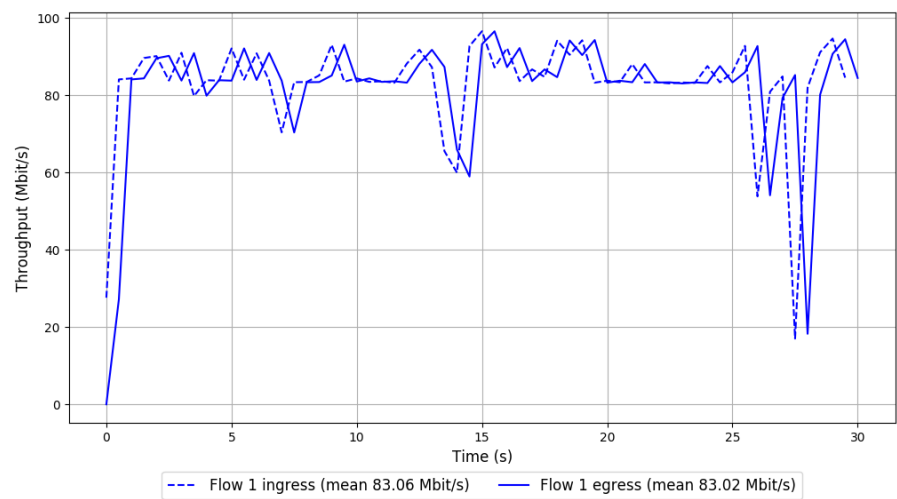
-- Flow 1:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 11.463 ms

Loss rate: 0.05%

Run 6: Report of QUIC Cubic — Data Link

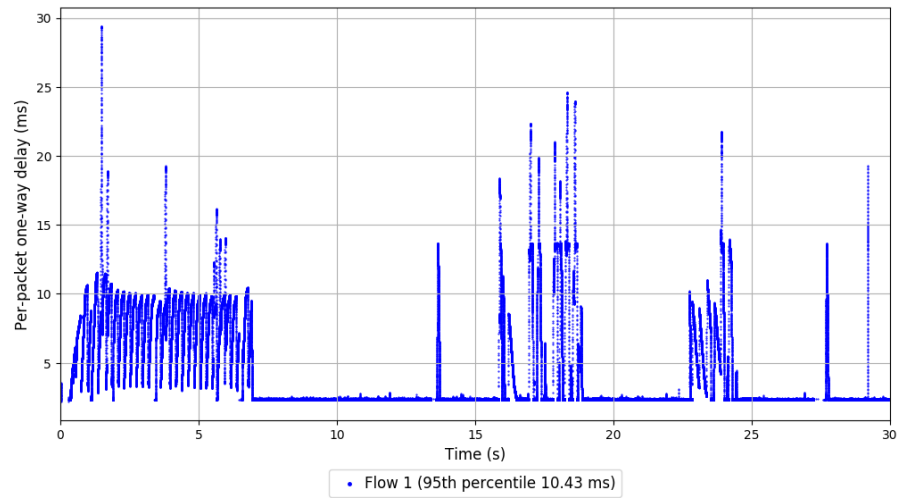
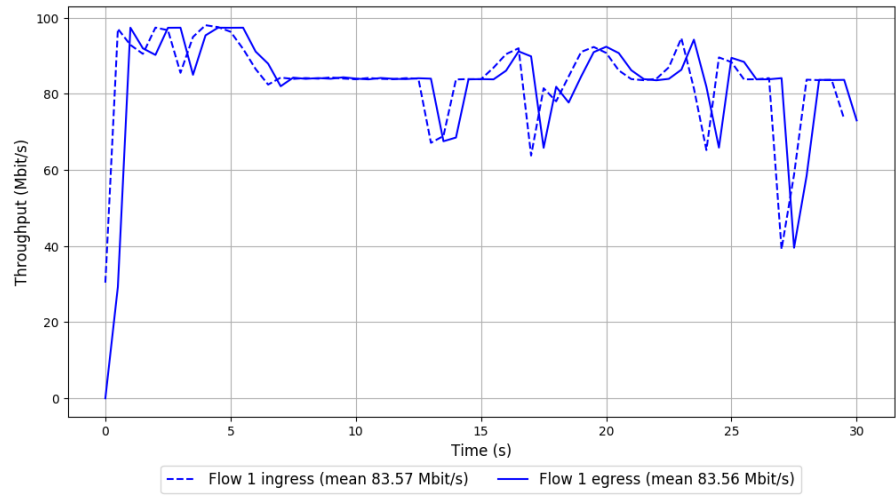


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 03:14:47
End at: 2018-07-18 03:15:17
Local clock offset: -5.466 ms
Remote clock offset: -2.331 ms

Below is generated by plot.py at 2018-07-18 04:37:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 10.433 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 10.433 ms
Loss rate: 0.03%

Run 7: Report of QUIC Cubic — Data Link

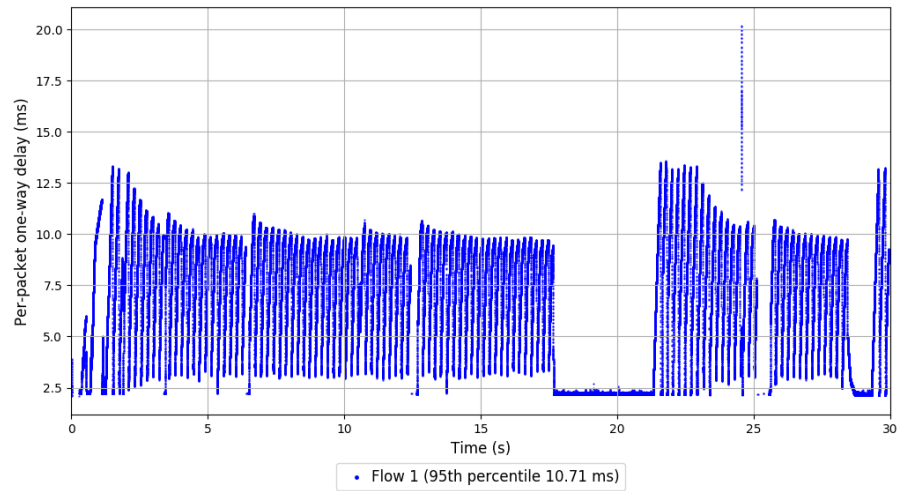
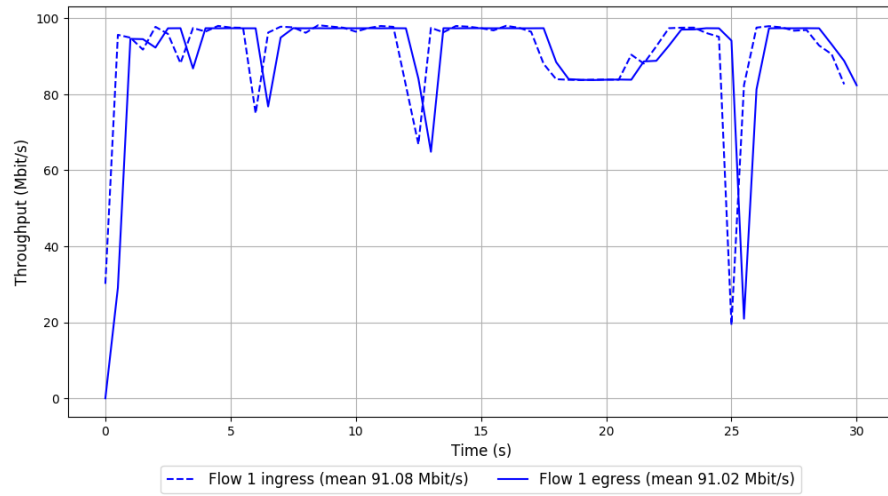


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 03:33:49
End at: 2018-07-18 03:34:19
Local clock offset: -2.412 ms
Remote clock offset: -2.012 ms

Below is generated by plot.py at 2018-07-18 04:37:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 10.712 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 10.712 ms
Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 03:52:52

End at: 2018-07-18 03:53:22

Local clock offset: 0.102 ms

Remote clock offset: -1.514 ms

Below is generated by plot.py at 2018-07-18 04:37:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 10.981 ms

Loss rate: 0.04%

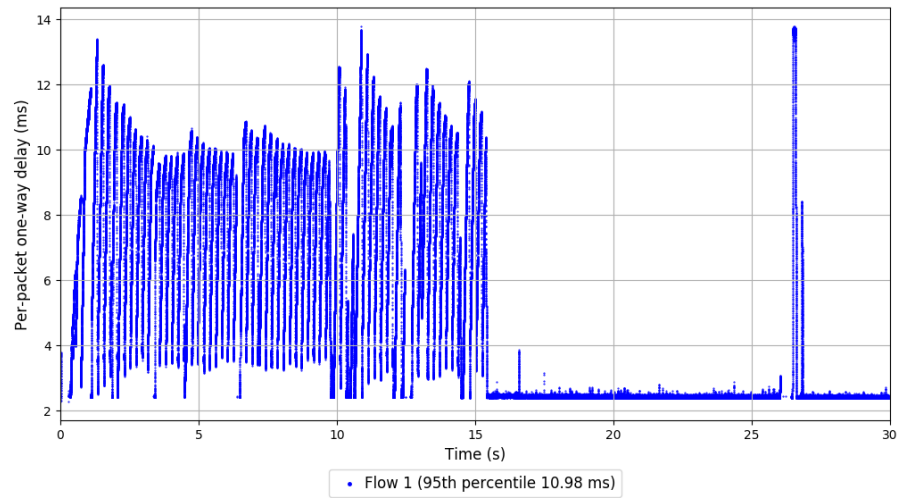
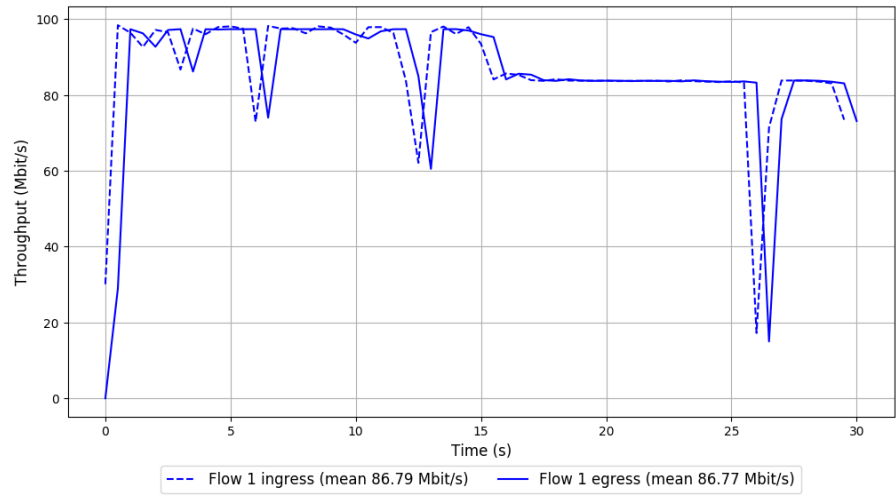
-- Flow 1:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 10.981 ms

Loss rate: 0.04%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 04:11:55

End at: 2018-07-18 04:12:25

Local clock offset: -5.187 ms

Remote clock offset: -2.605 ms

Below is generated by plot.py at 2018-07-18 04:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 10.970 ms

Loss rate: 0.03%

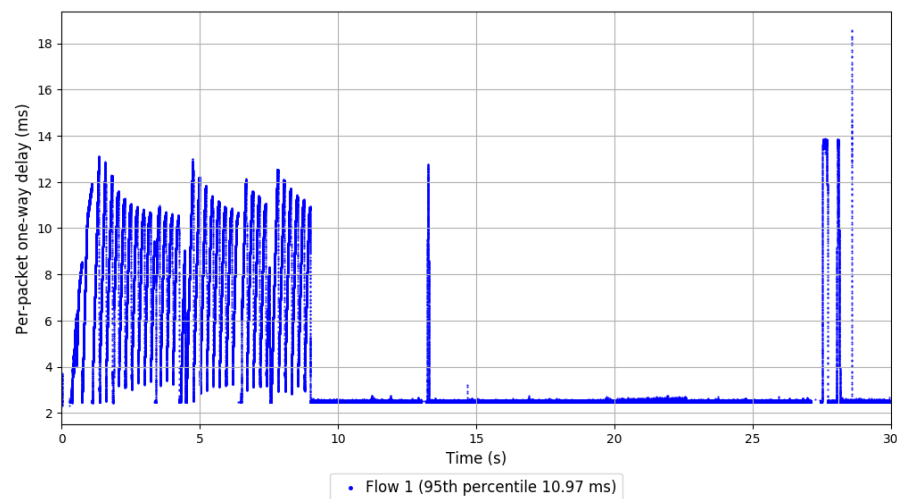
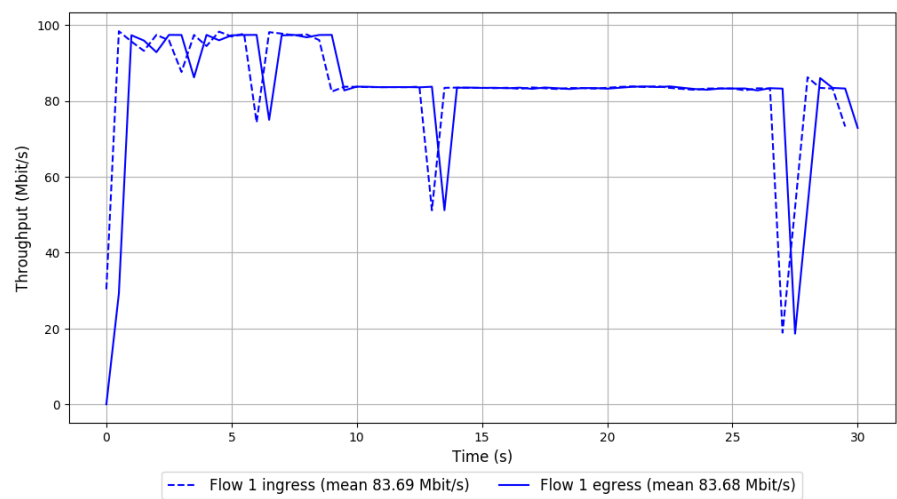
-- Flow 1:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 10.970 ms

Loss rate: 0.03%

Run 10: Report of QUIC Cubic — Data Link

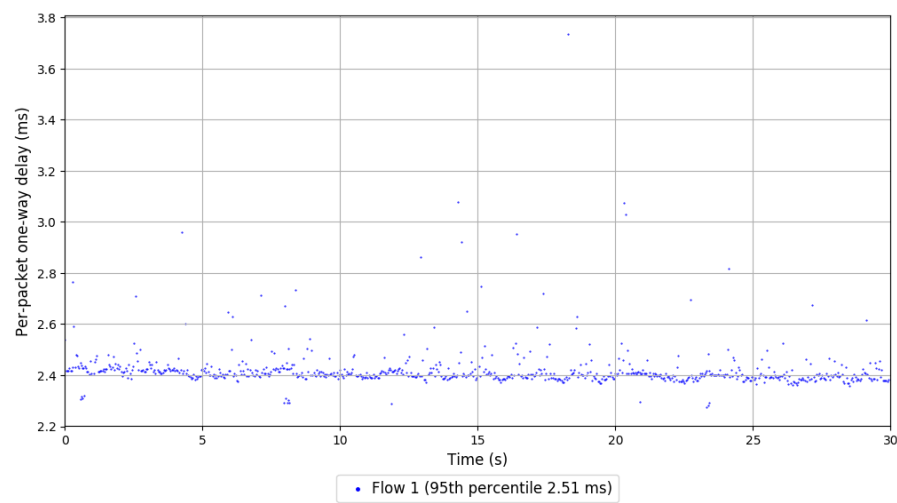
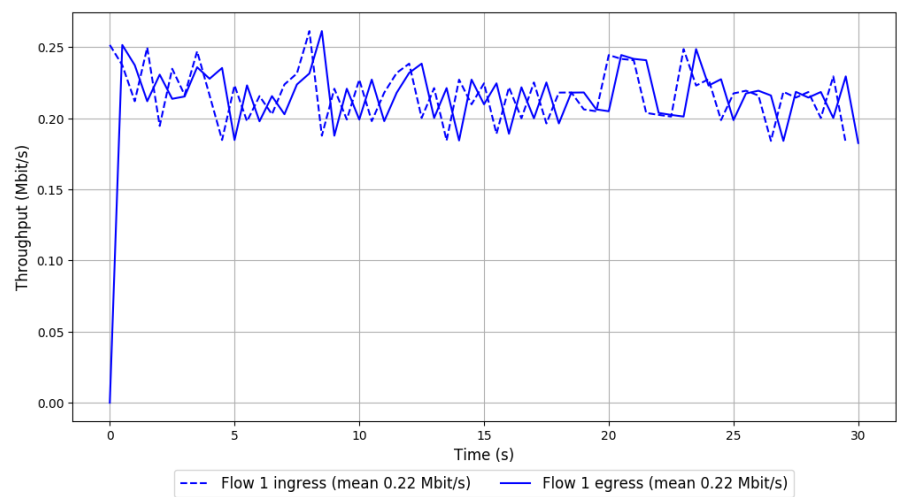


Run 1: Statistics of SCReAM

Start at: 2018-07-18 01:25:06
End at: 2018-07-18 01:25:36
Local clock offset: -6.635 ms
Remote clock offset: -7.663 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

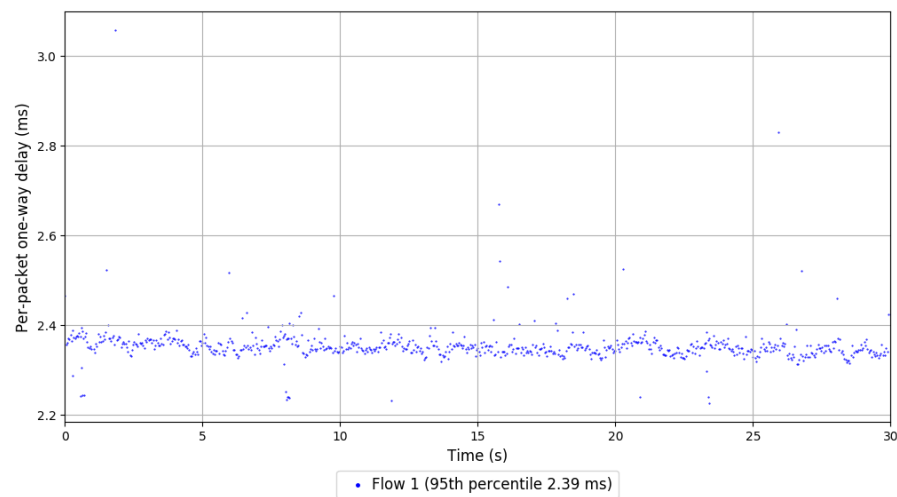
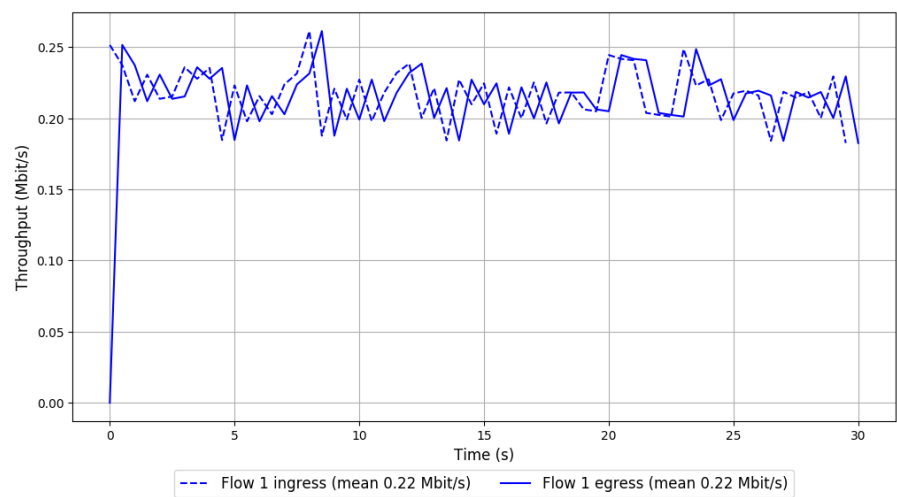


Run 2: Statistics of SCReAM

Start at: 2018-07-18 01:44:06
End at: 2018-07-18 01:44:36
Local clock offset: -5.874 ms
Remote clock offset: -7.516 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-18 02:03:08

End at: 2018-07-18 02:03:38

Local clock offset: -5.778 ms

Remote clock offset: -3.58 ms

Below is generated by plot.py at 2018-07-18 04:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.493 ms

Loss rate: 0.00%

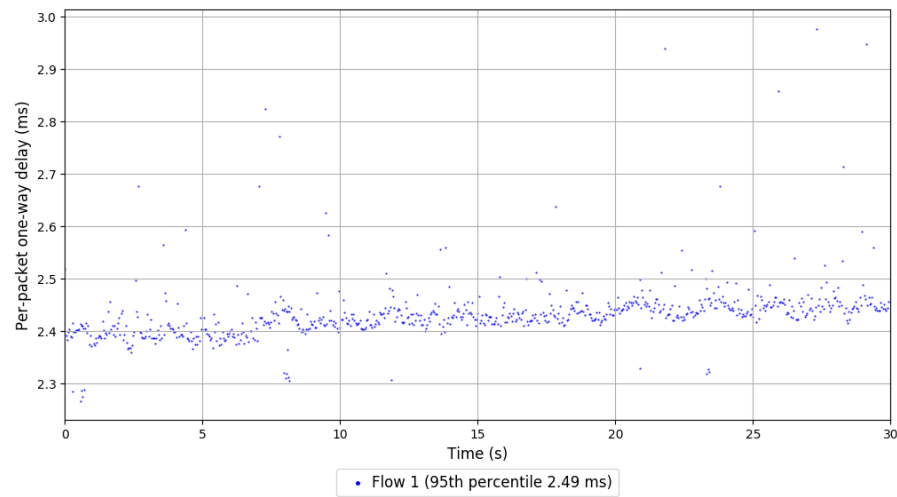
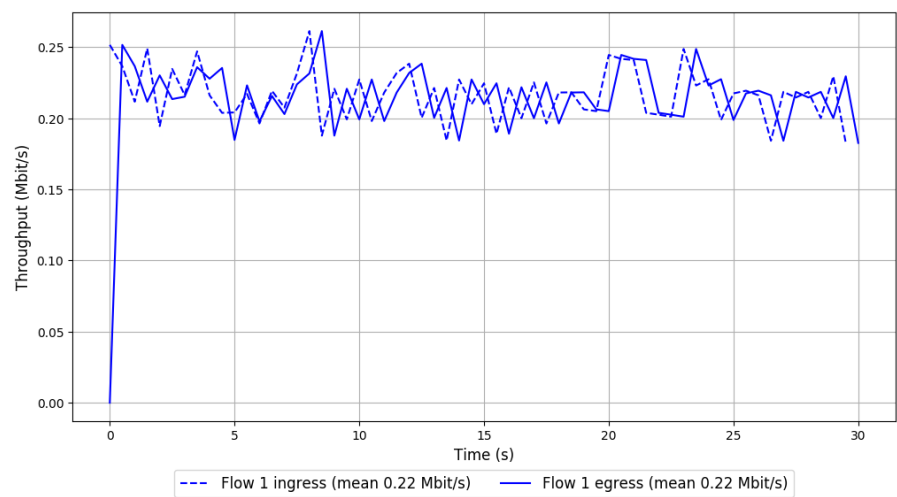
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.493 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

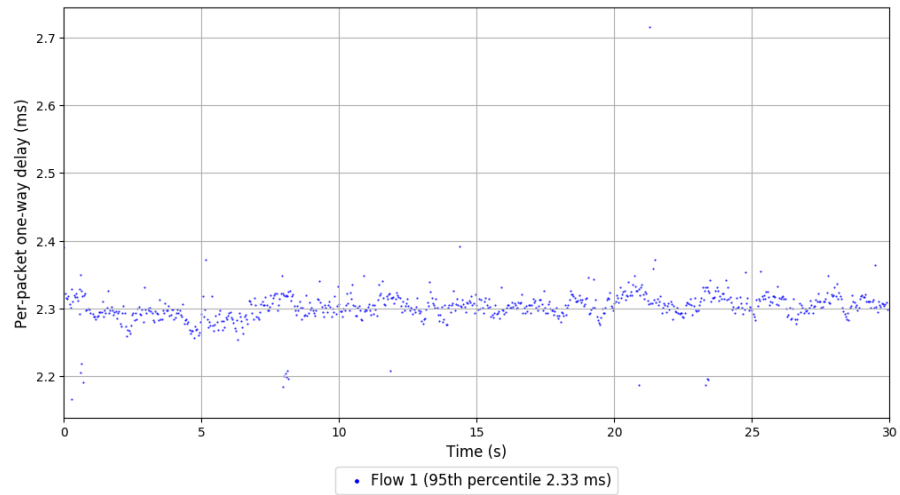
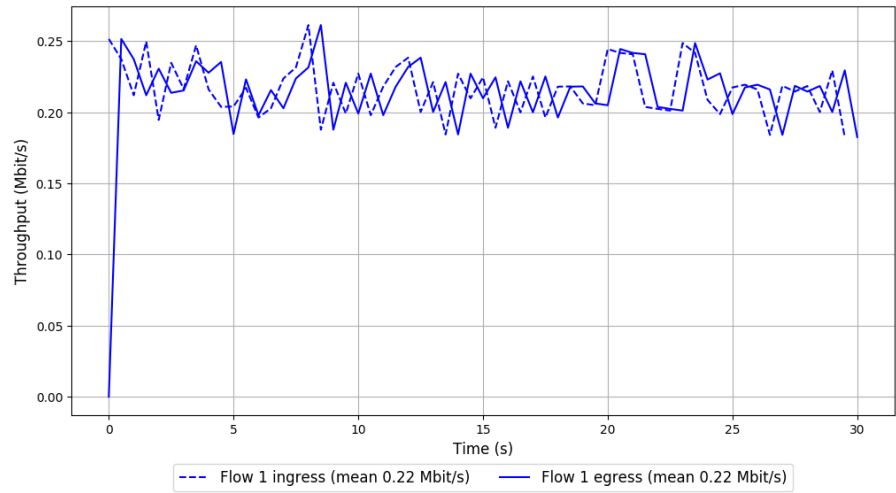


Run 4: Statistics of SCReAM

Start at: 2018-07-18 02:22:11
End at: 2018-07-18 02:22:41
Local clock offset: -5.613 ms
Remote clock offset: -2.459 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

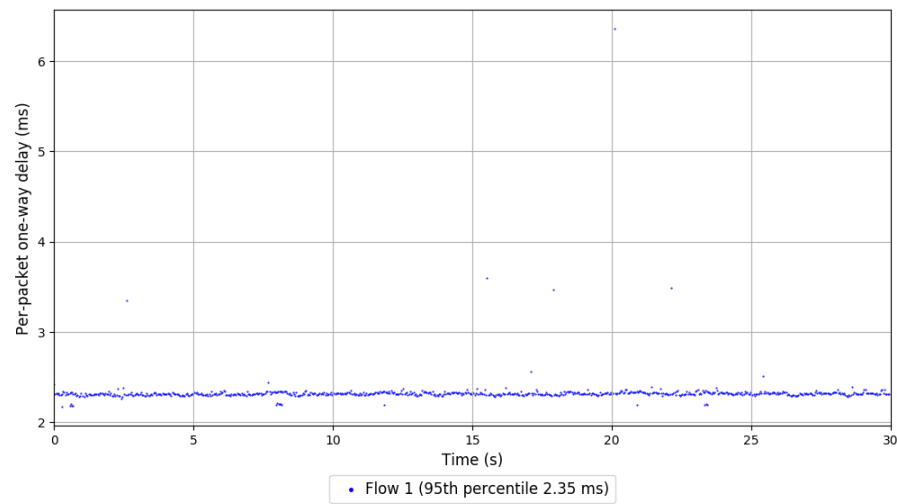
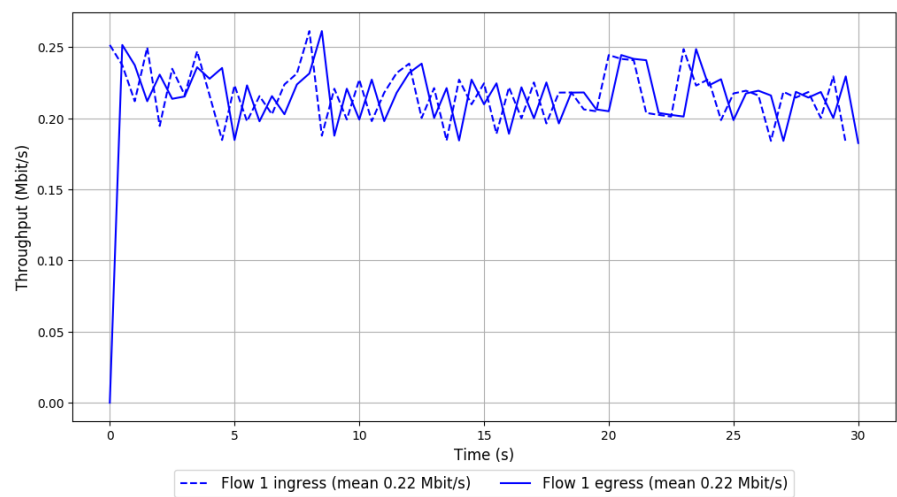


Run 5: Statistics of SCReAM

Start at: 2018-07-18 02:41:15
End at: 2018-07-18 02:41:45
Local clock offset: -5.677 ms
Remote clock offset: -1.891 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

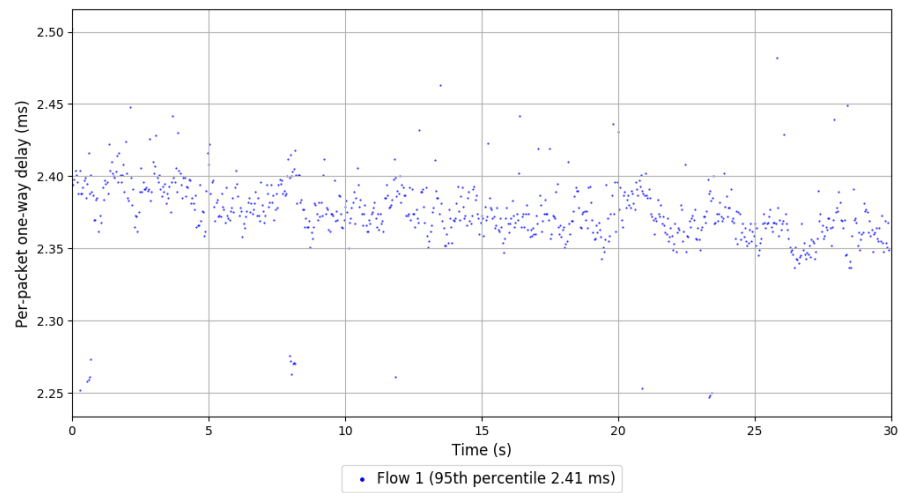
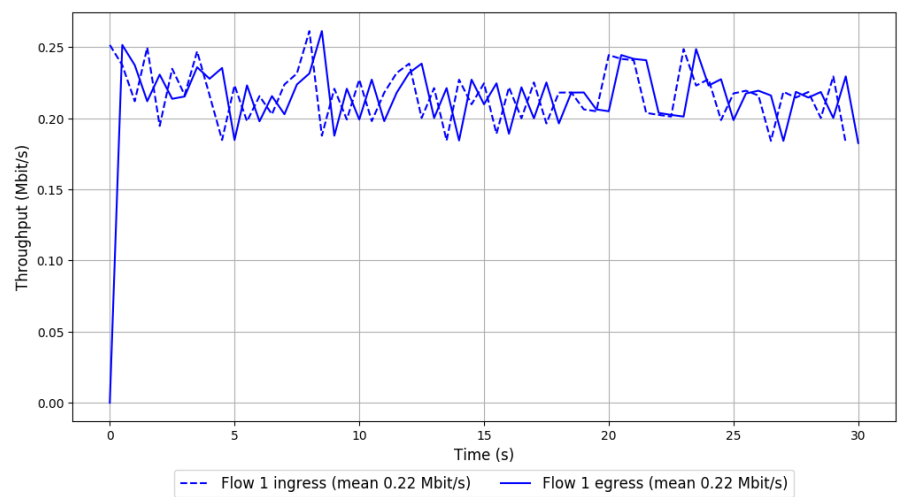


Run 6: Statistics of SCReAM

Start at: 2018-07-18 03:00:17
End at: 2018-07-18 03:00:47
Local clock offset: -5.536 ms
Remote clock offset: -2.034 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

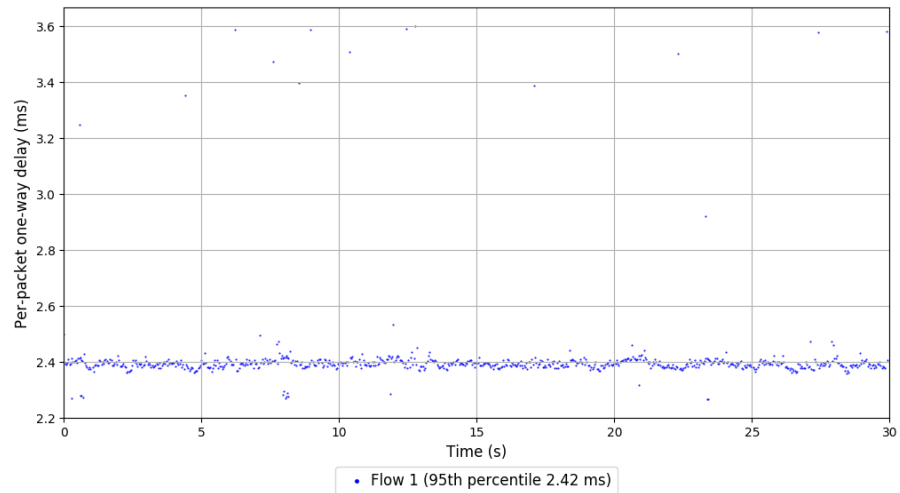
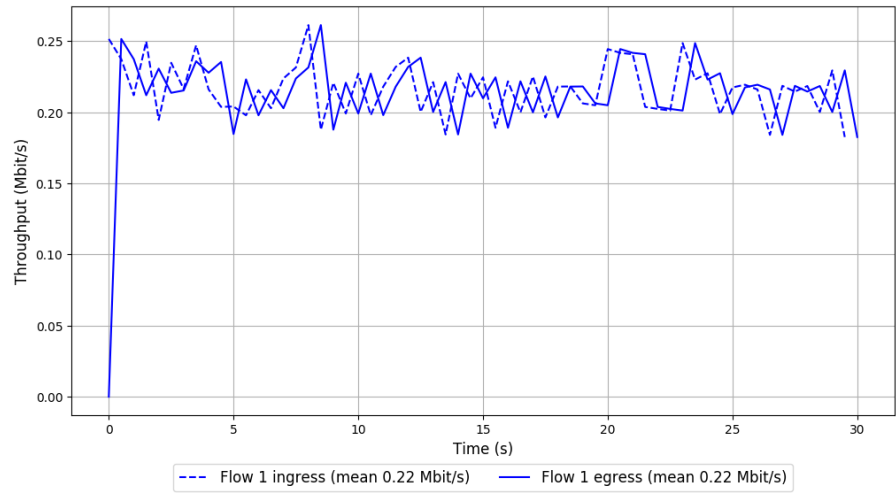


Run 7: Statistics of SCReAM

Start at: 2018-07-18 03:19:19
End at: 2018-07-18 03:19:49
Local clock offset: -5.408 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

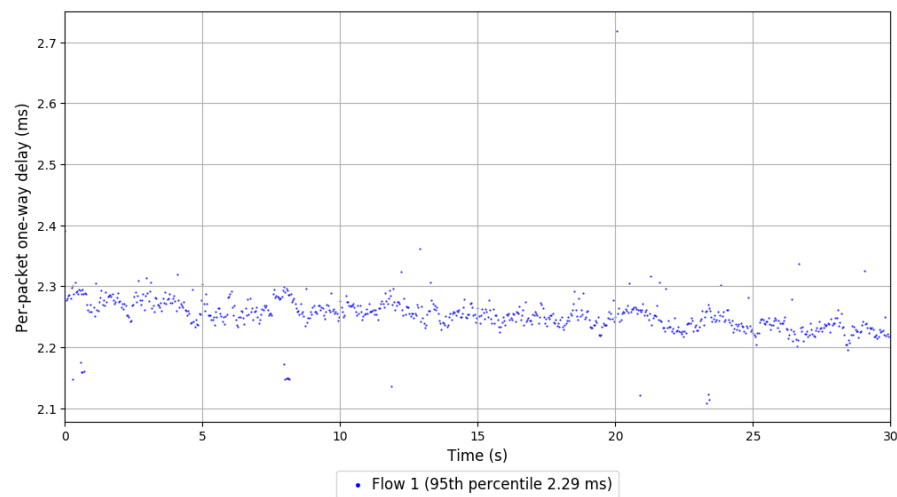
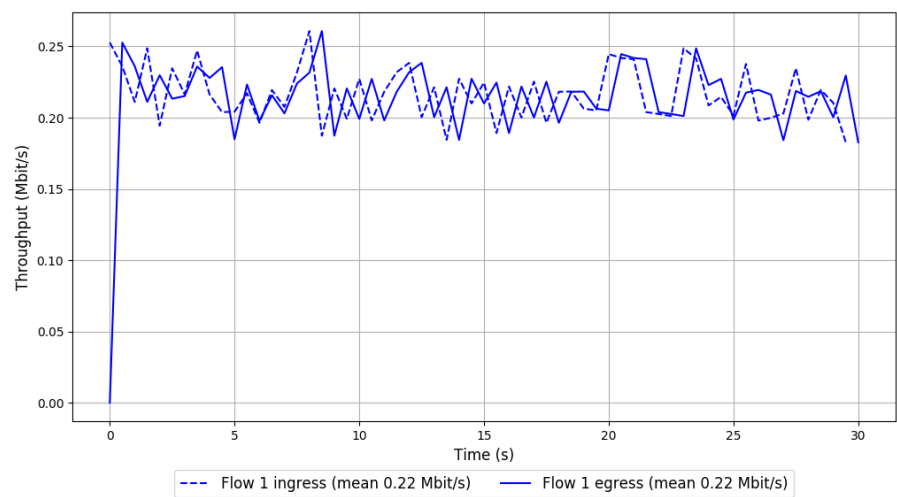


Run 8: Statistics of SCReAM

Start at: 2018-07-18 03:38:22
End at: 2018-07-18 03:38:52
Local clock offset: -1.54 ms
Remote clock offset: -1.811 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-18 03:57:24

End at: 2018-07-18 03:57:54

Local clock offset: -1.069 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at 2018-07-18 04:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.856 ms

Loss rate: 0.13%

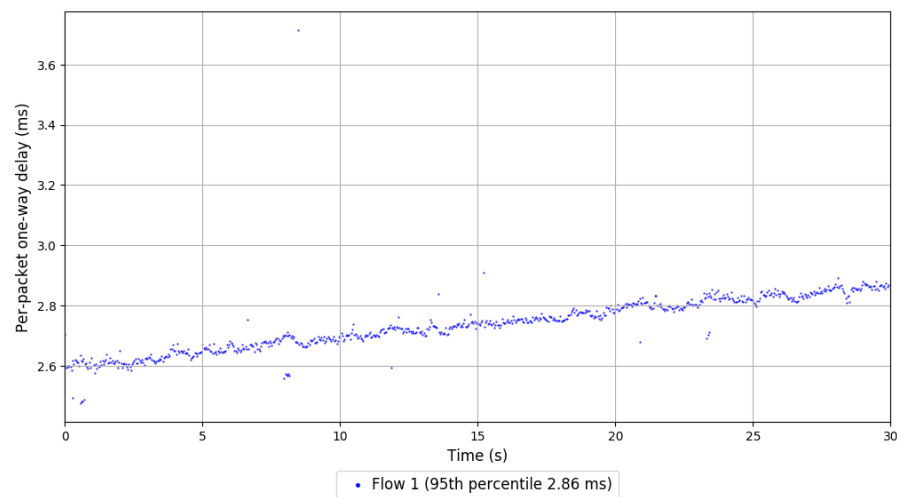
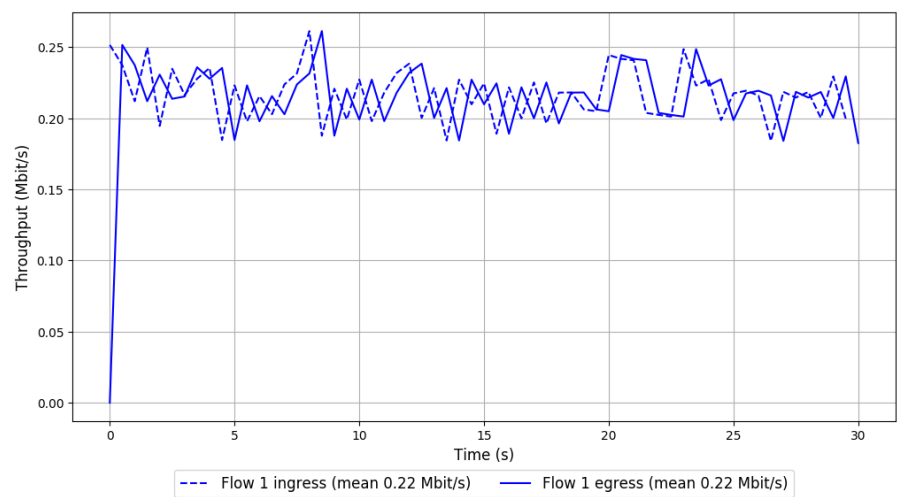
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.856 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-18 04:16:27

End at: 2018-07-18 04:16:57

Local clock offset: -5.63 ms

Remote clock offset: -2.905 ms

Below is generated by plot.py at 2018-07-18 04:38:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.467 ms

Loss rate: 0.00%

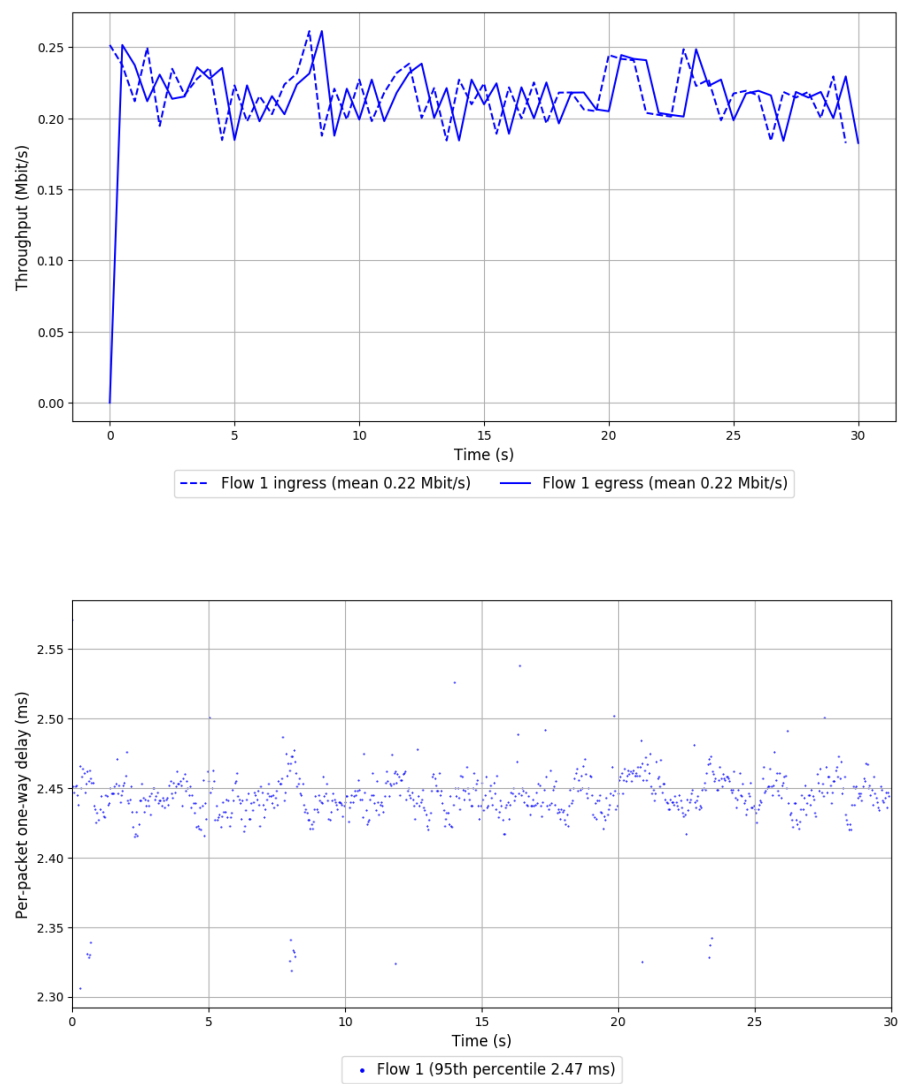
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.467 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

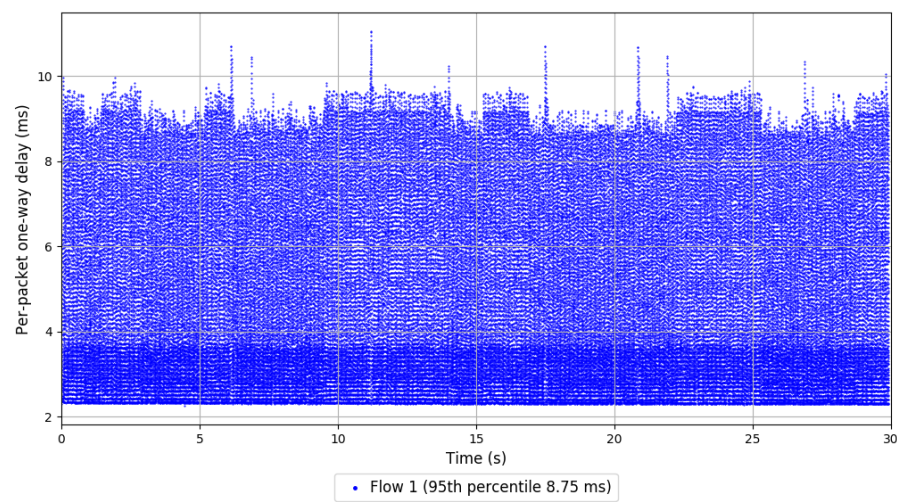
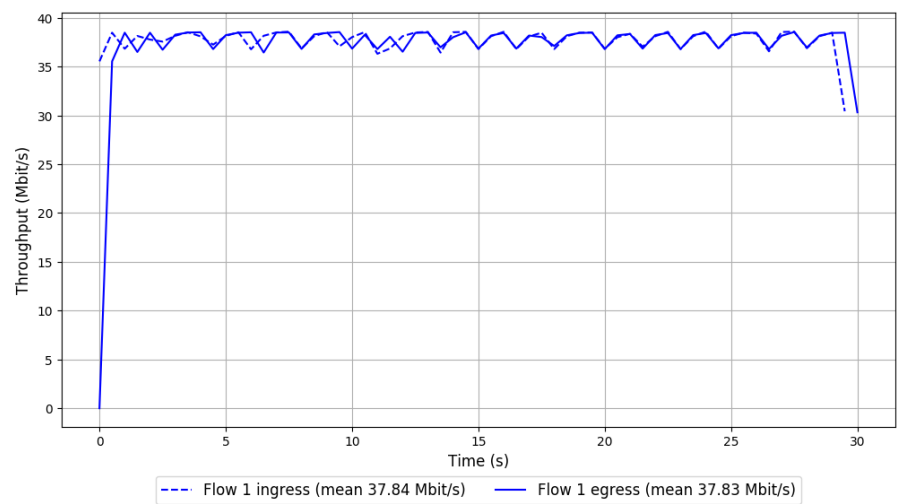


Run 1: Statistics of Sprout

Start at: 2018-07-18 01:26:09
End at: 2018-07-18 01:26:39
Local clock offset: -6.512 ms
Remote clock offset: -7.486 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 8.749 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 8.749 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

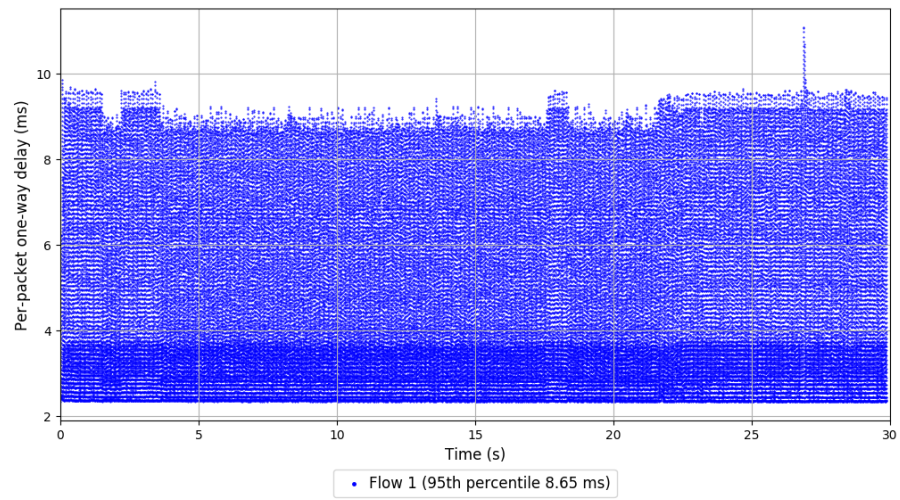
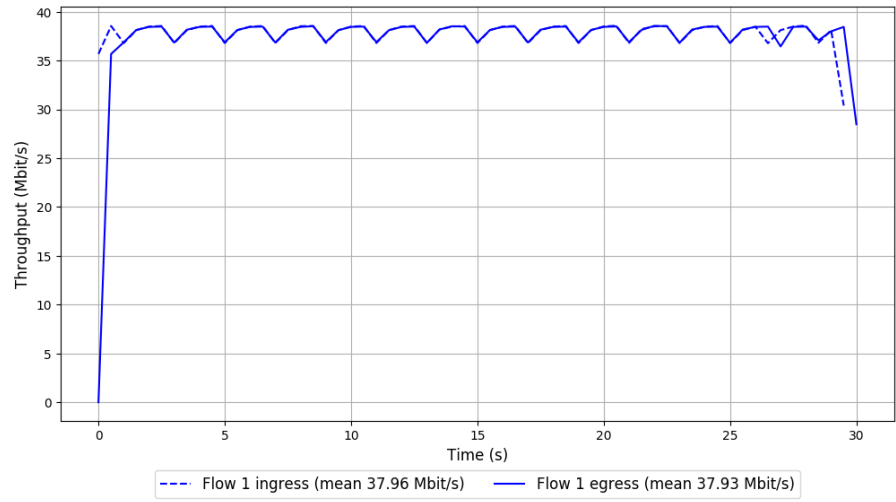


Run 2: Statistics of Sprout

Start at: 2018-07-18 01:45:09
End at: 2018-07-18 01:45:39
Local clock offset: -5.872 ms
Remote clock offset: -7.549 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 8.652 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 8.652 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link

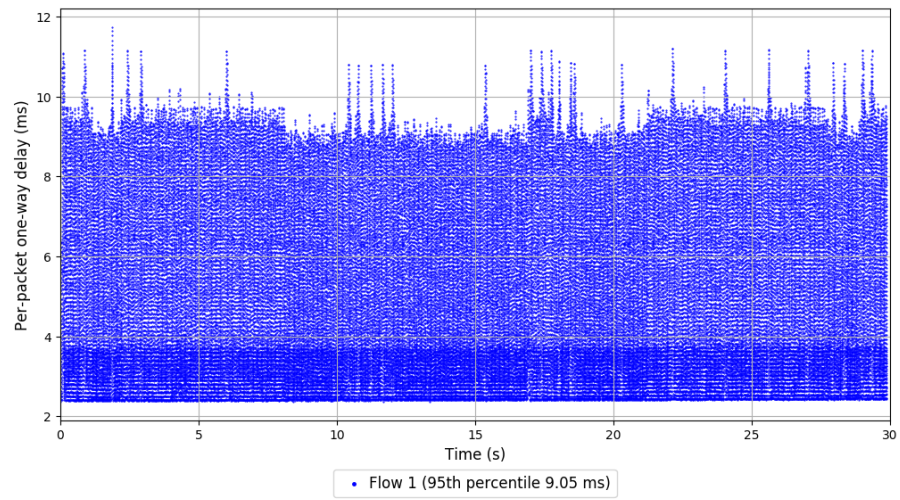
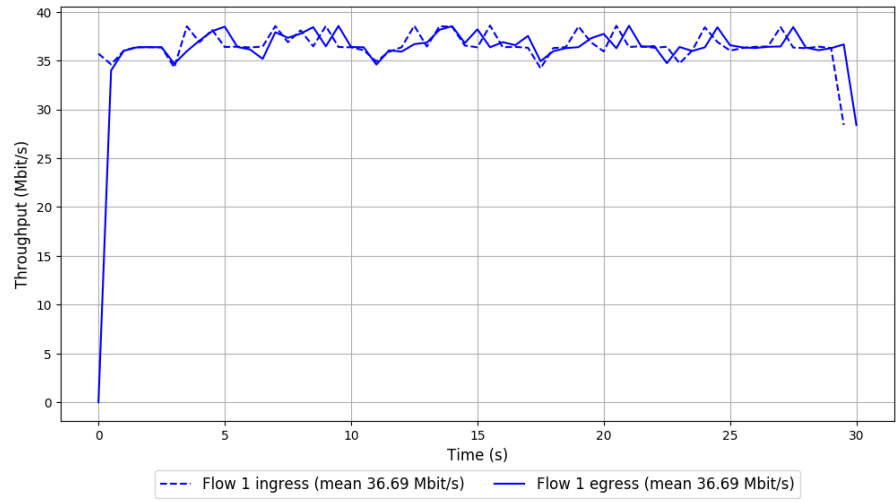


Run 3: Statistics of Sprout

Start at: 2018-07-18 02:04:12
End at: 2018-07-18 02:04:42
Local clock offset: -5.852 ms
Remote clock offset: -3.539 ms

Below is generated by plot.py at 2018-07-18 04:38:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 9.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 9.054 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

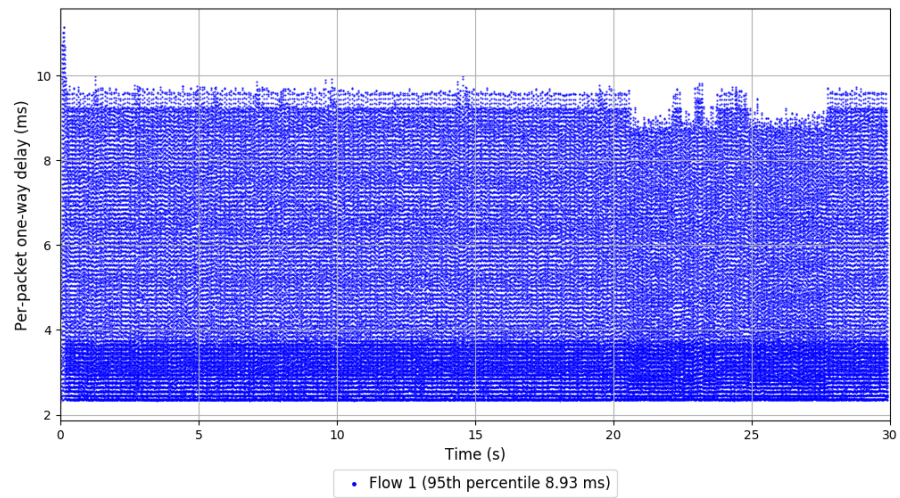
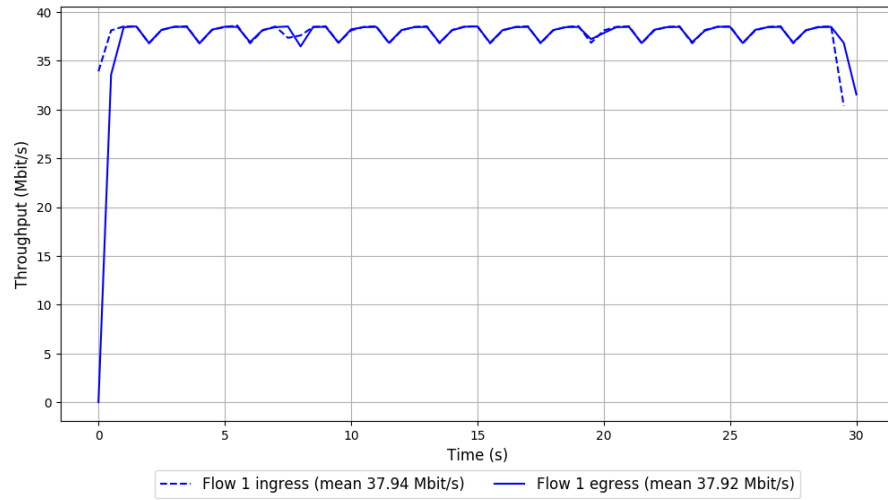


Run 4: Statistics of Sprout

Start at: 2018-07-18 02:23:15
End at: 2018-07-18 02:23:45
Local clock offset: -5.669 ms
Remote clock offset: -2.518 ms

Below is generated by plot.py at 2018-07-18 04:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 8.933 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 8.933 ms
Loss rate: 0.02%

Run 4: Report of Sprout — Data Link

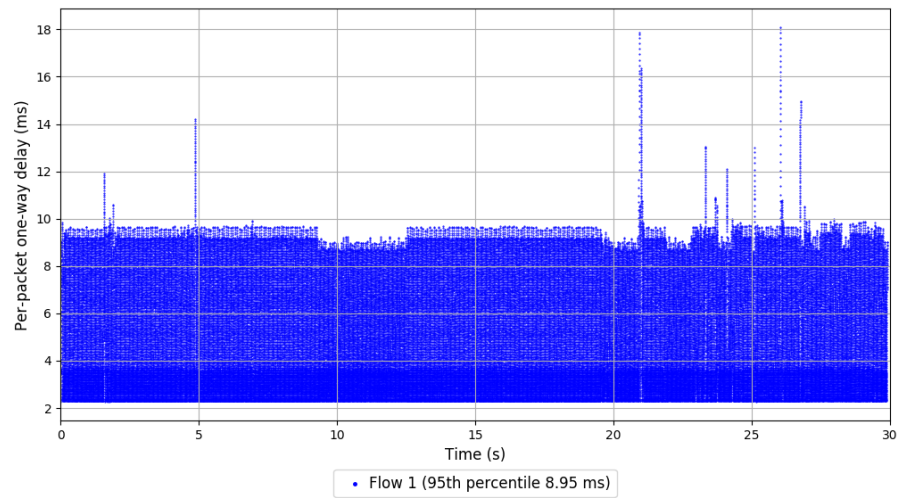
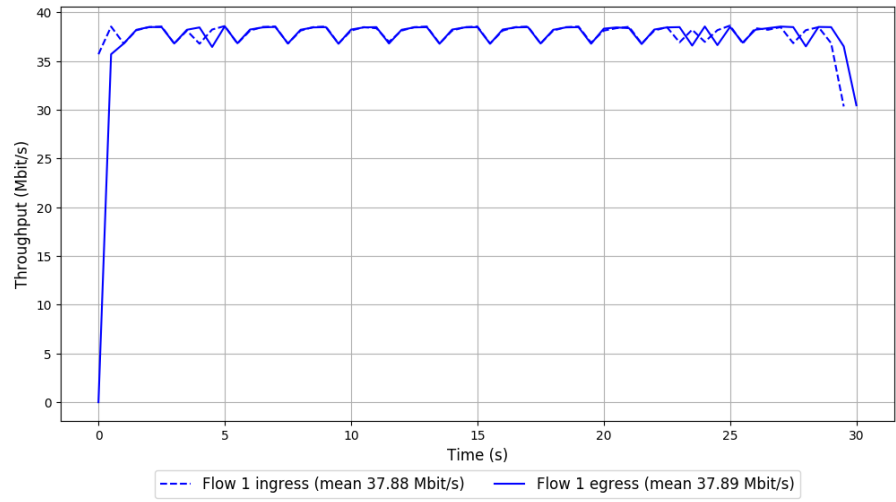


Run 5: Statistics of Sprout

Start at: 2018-07-18 02:42:18
End at: 2018-07-18 02:42:48
Local clock offset: -5.733 ms
Remote clock offset: -1.892 ms

Below is generated by plot.py at 2018-07-18 04:38:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 8.954 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 8.954 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

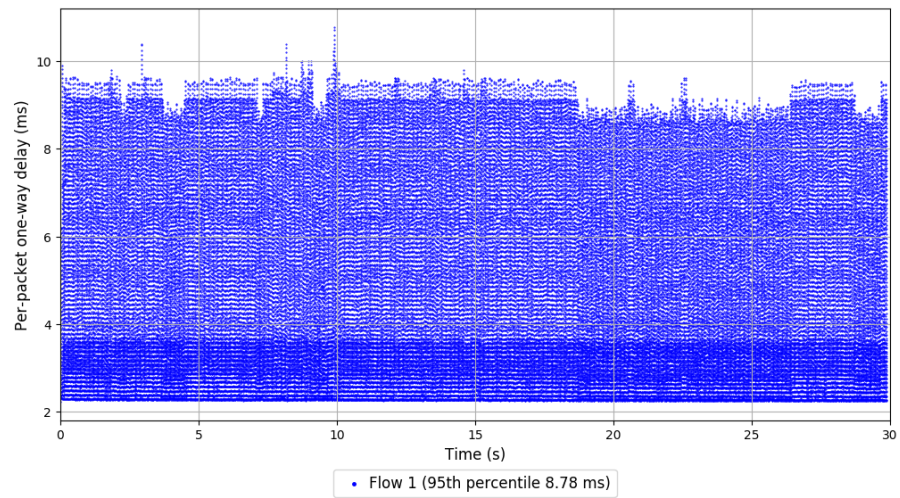
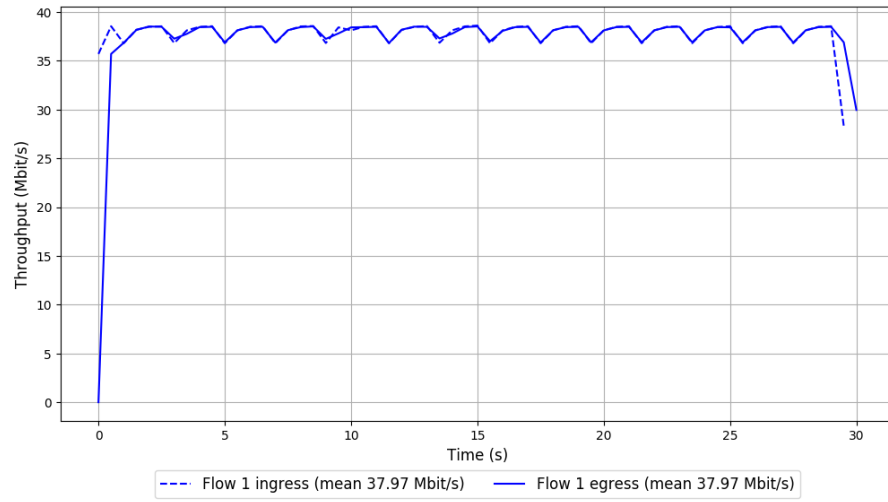


Run 6: Statistics of Sprout

Start at: 2018-07-18 03:01:20
End at: 2018-07-18 03:01:50
Local clock offset: -5.609 ms
Remote clock offset: -2.029 ms

Below is generated by plot.py at 2018-07-18 04:38:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 8.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 8.782 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

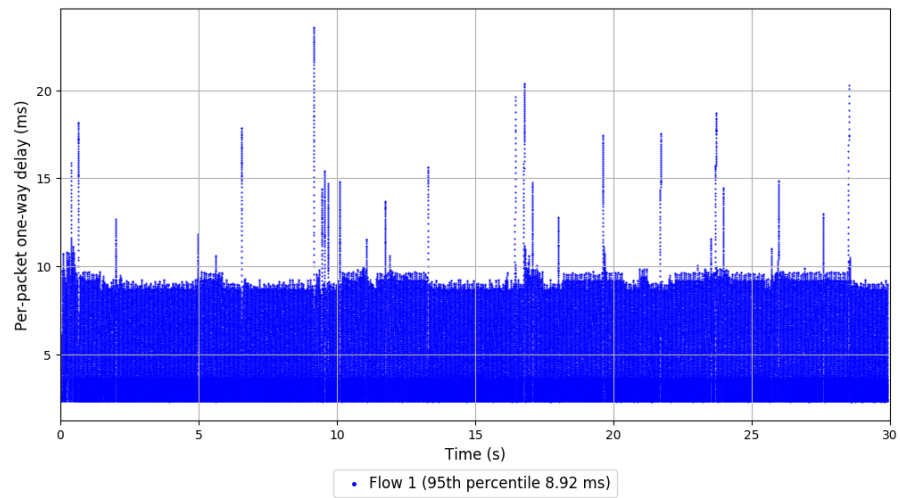
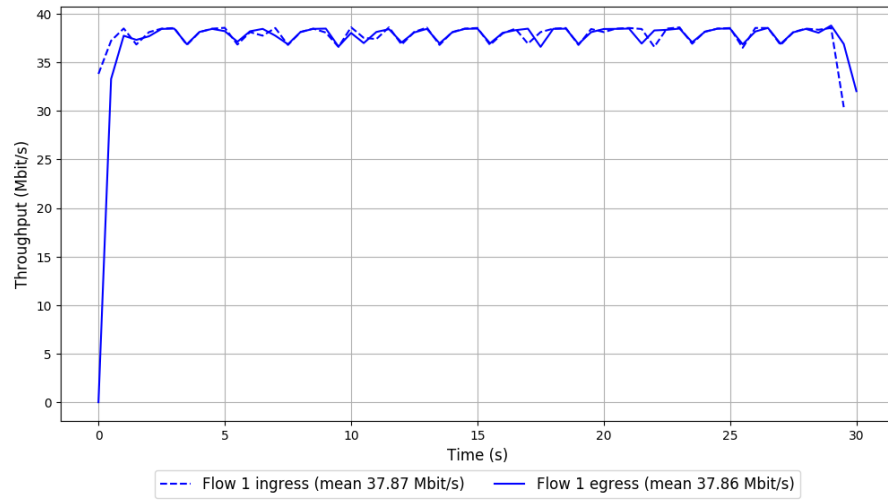


Run 7: Statistics of Sprout

Start at: 2018-07-18 03:20:23
End at: 2018-07-18 03:20:53
Local clock offset: -5.392 ms
Remote clock offset: -2.348 ms

Below is generated by plot.py at 2018-07-18 04:38:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 8.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 8.916 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

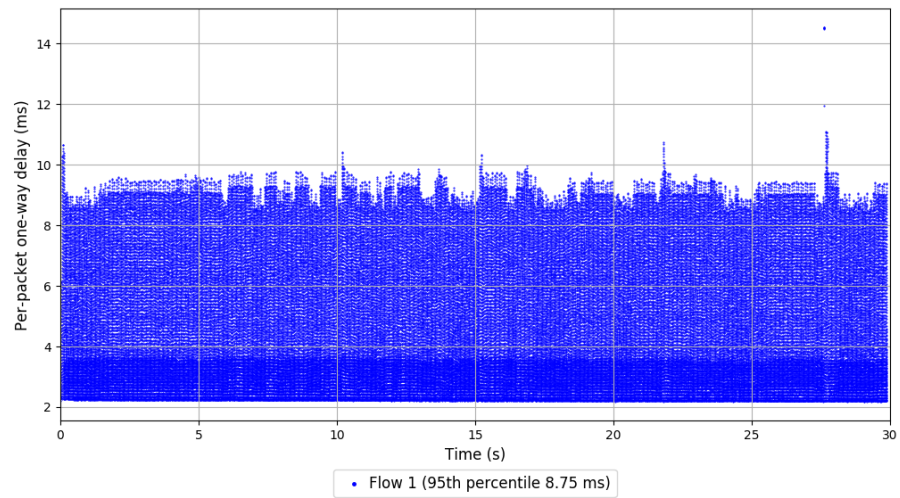
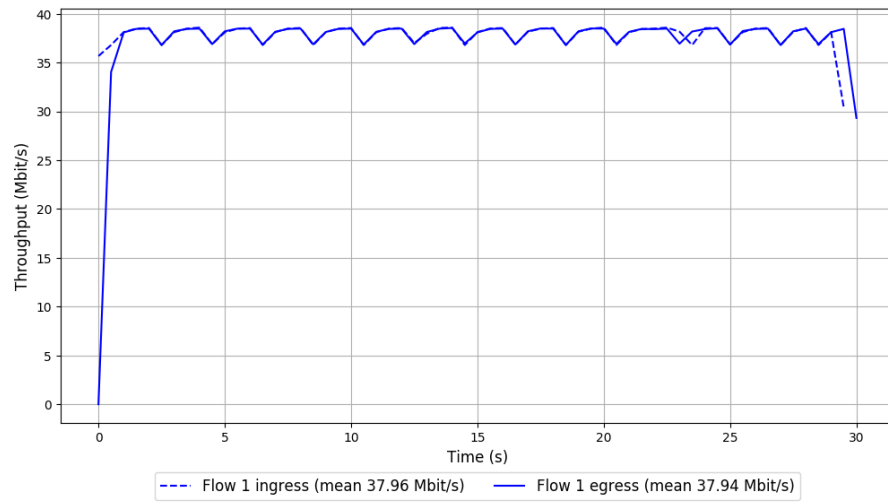


Run 8: Statistics of Sprout

Start at: 2018-07-18 03:39:25
End at: 2018-07-18 03:39:55
Local clock offset: -1.428 ms
Remote clock offset: -1.743 ms

Below is generated by plot.py at 2018-07-18 04:38:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 8.753 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 8.753 ms
Loss rate: 0.05%

Run 8: Report of Sprout — Data Link

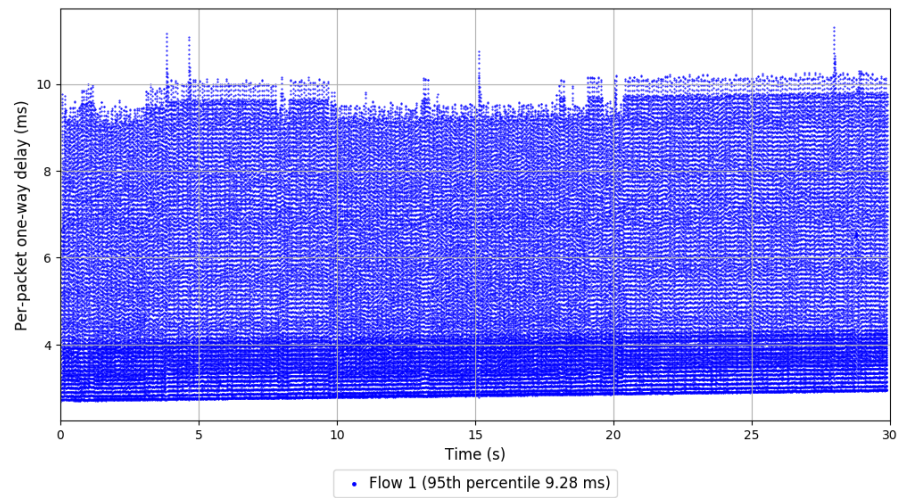
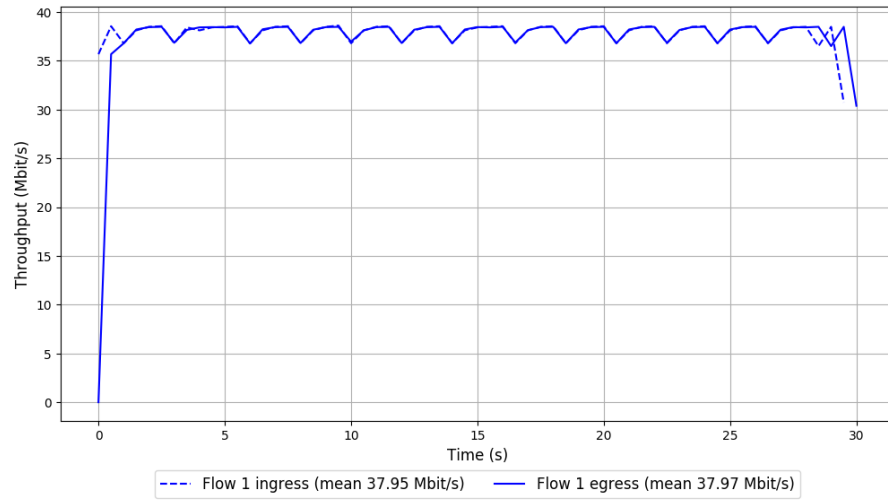


Run 9: Statistics of Sprout

Start at: 2018-07-18 03:58:28
End at: 2018-07-18 03:58:58
Local clock offset: -1.627 ms
Remote clock offset: -1.379 ms

Below is generated by plot.py at 2018-07-18 04:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 9.276 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 9.276 ms
Loss rate: 0.01%

Run 9: Report of Sprout — Data Link

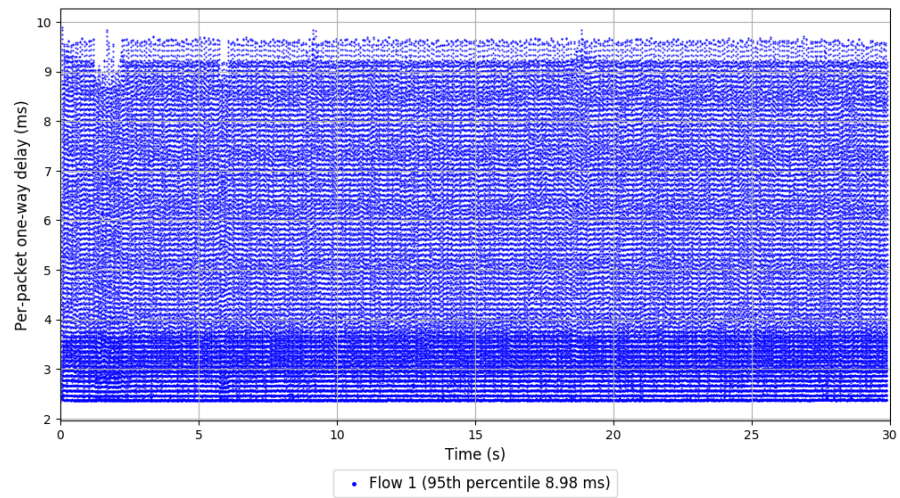
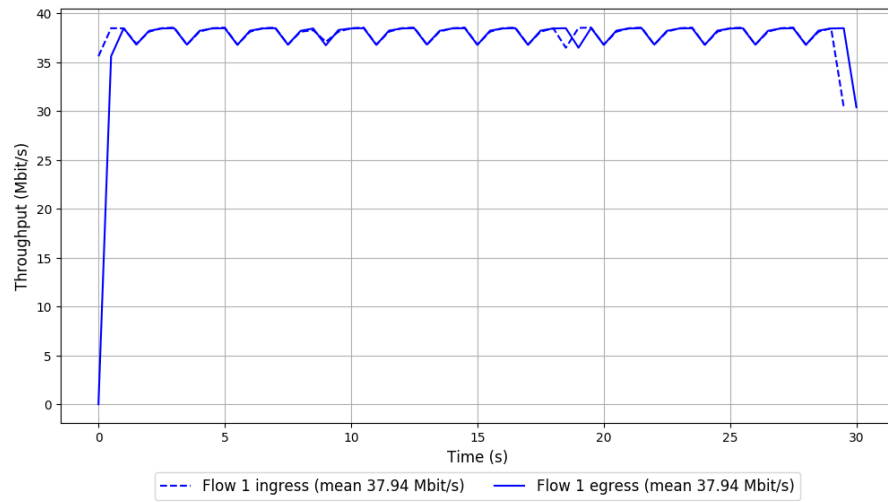


Run 10: Statistics of Sprout

Start at: 2018-07-18 04:17:30
End at: 2018-07-18 04:18:01
Local clock offset: -5.698 ms
Remote clock offset: -2.864 ms

Below is generated by plot.py at 2018-07-18 04:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 8.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 8.984 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

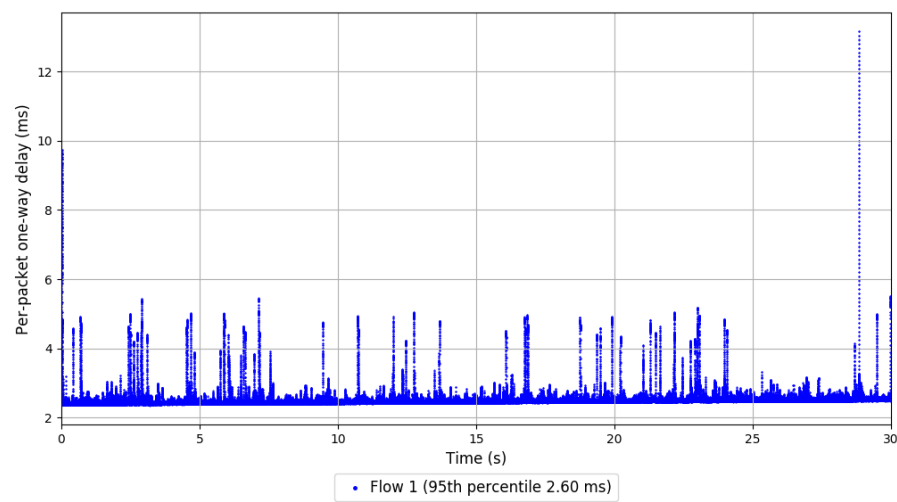
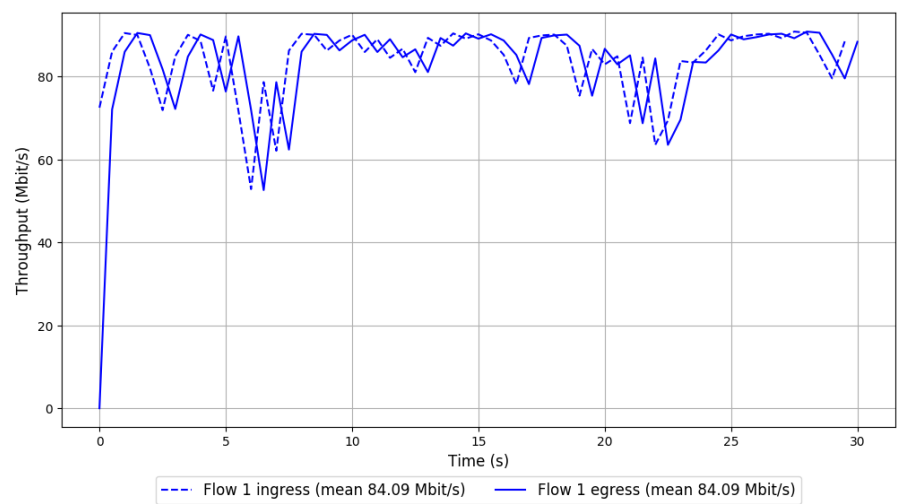


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 01:16:05
End at: 2018-07-18 01:16:35
Local clock offset: -6.452 ms
Remote clock offset: -8.705 ms

# Below is generated by plot.py at 2018-07-18 04:39:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.01%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 01:35:03

End at: 2018-07-18 01:35:33

Local clock offset: -5.988 ms

Remote clock offset: -7.431 ms

Below is generated by plot.py at 2018-07-18 04:40:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.82 Mbit/s

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

Loss rate: 0.02%

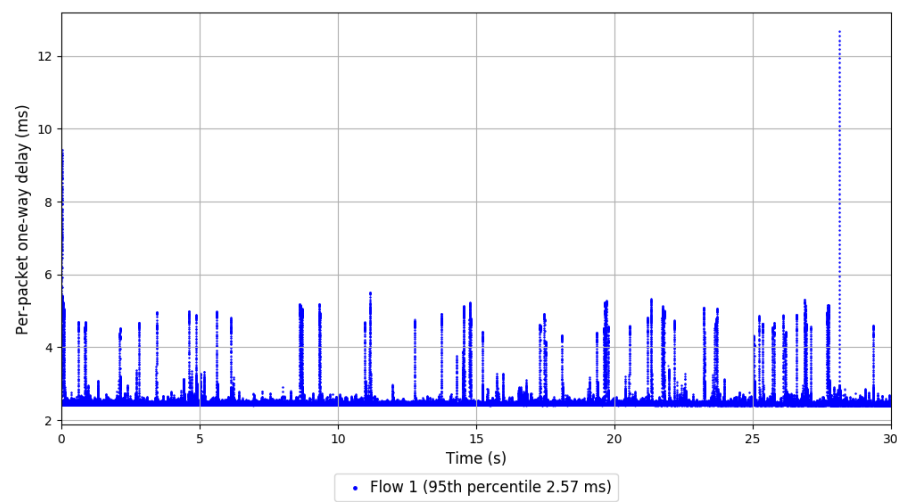
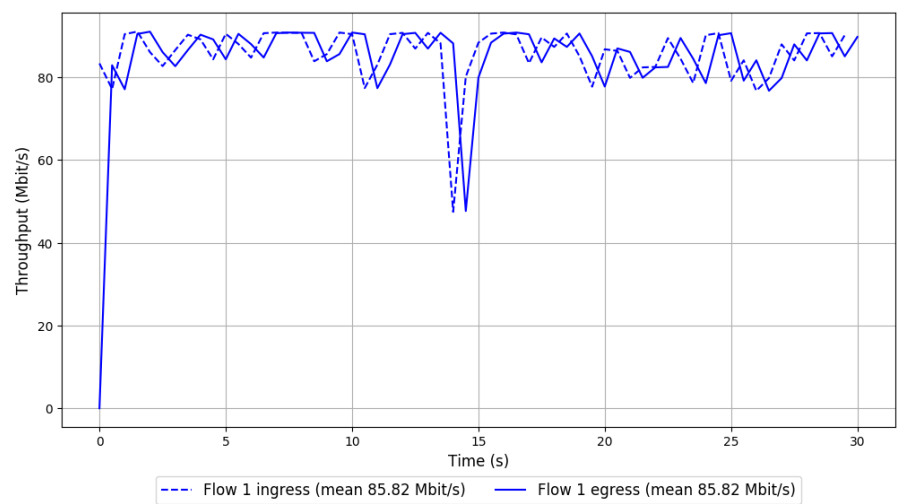
-- Flow 1:

Average throughput: 85.82 Mbit/s

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

Loss rate: 0.02%

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

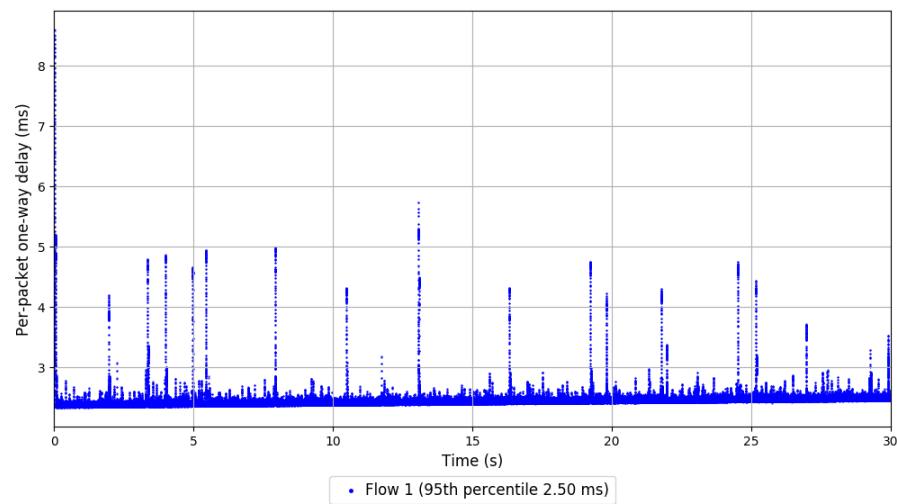
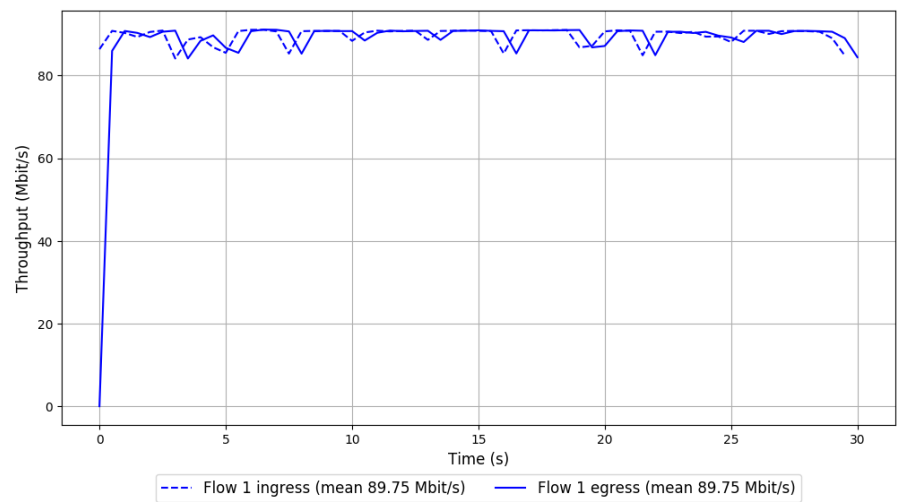


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 01:54:03
End at: 2018-07-18 01:54:33
Local clock offset: -5.966 ms
Remote clock offset: -4.963 ms

Below is generated by plot.py at 2018-07-18 04:40:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 2.495 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 2.495 ms
Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 02:13:06

End at: 2018-07-18 02:13:36

Local clock offset: -5.774 ms

Remote clock offset: -2.845 ms

Below is generated by plot.py at 2018-07-18 04:40:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.02%

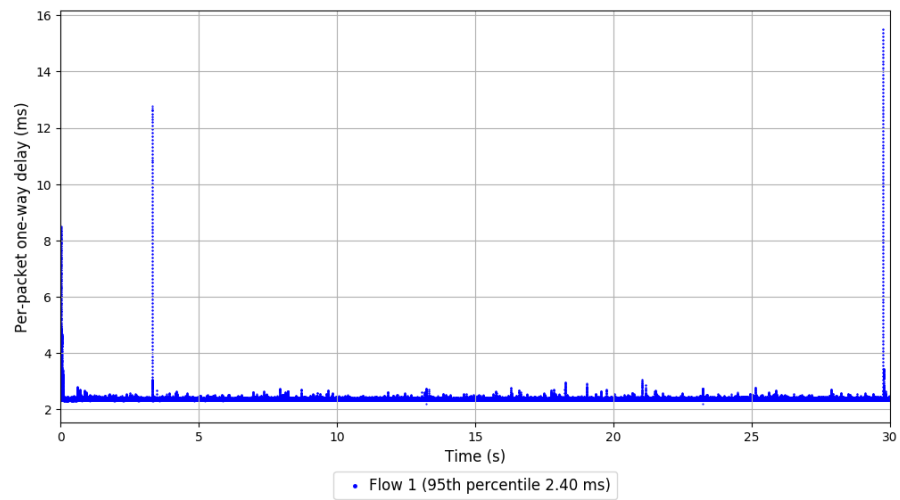
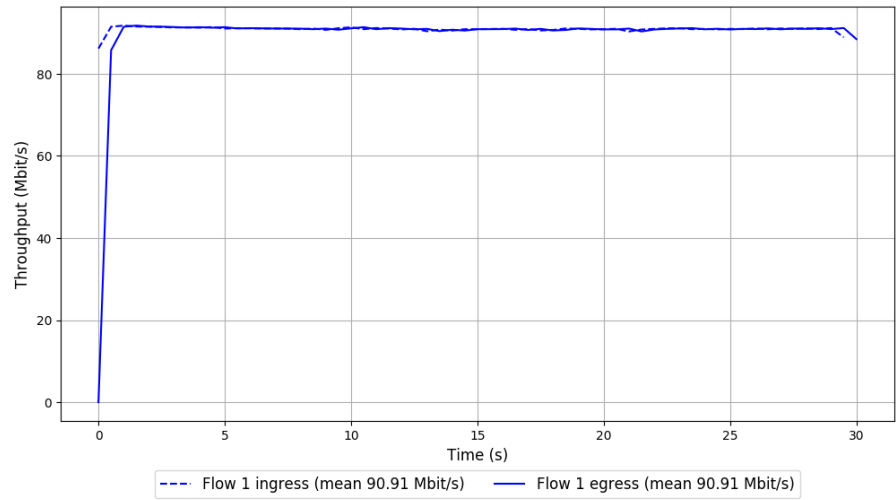
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 02:32:09

End at: 2018-07-18 02:32:39

Local clock offset: -5.682 ms

Remote clock offset: -2.18 ms

Below is generated by plot.py at 2018-07-18 04:40:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 2.428 ms

Loss rate: 0.02%

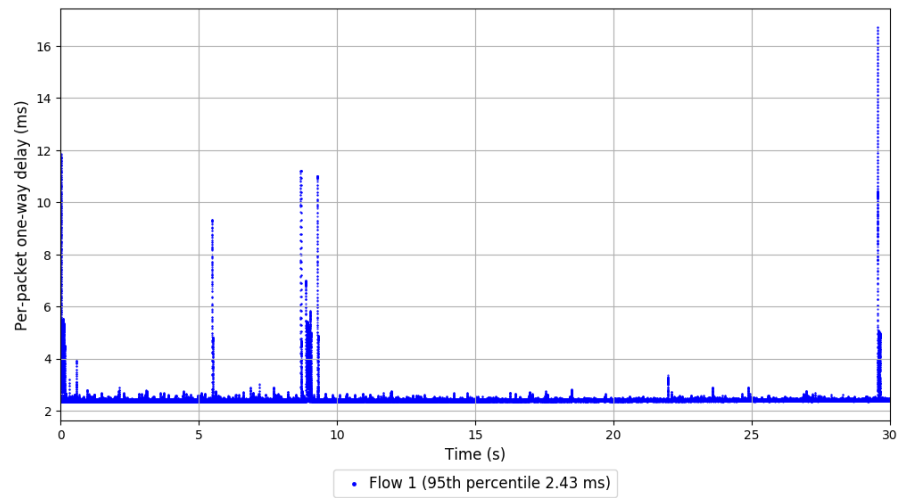
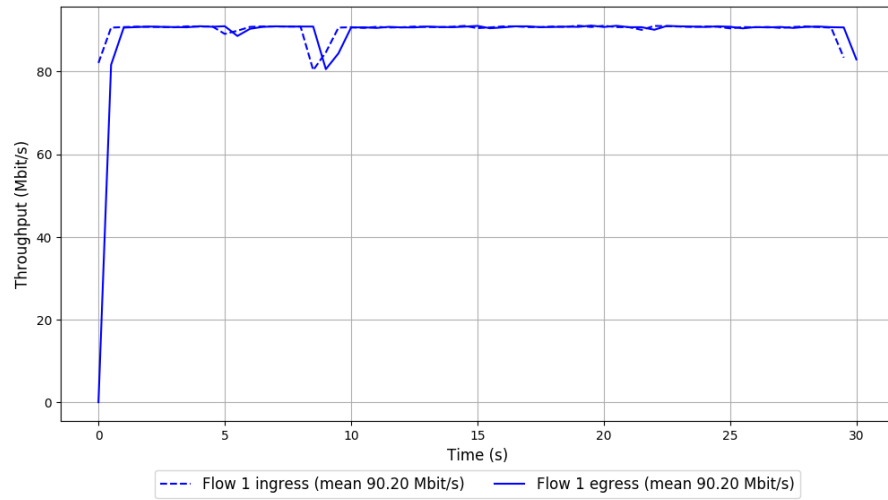
-- Flow 1:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 2.428 ms

Loss rate: 0.02%

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

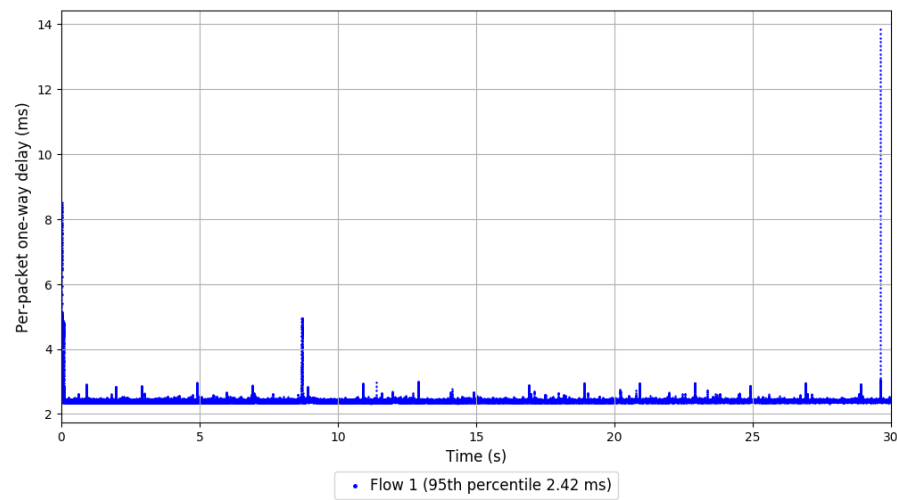
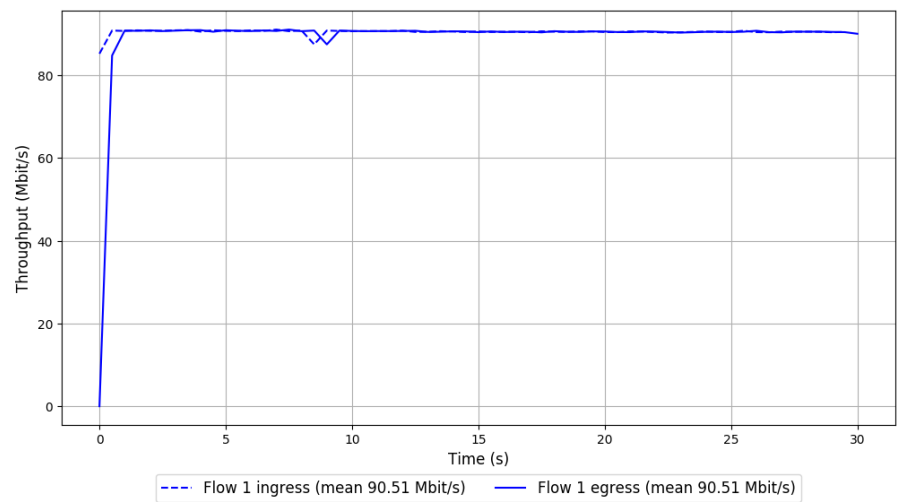


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 02:51:12
End at: 2018-07-18 02:51:42
Local clock offset: -5.582 ms
Remote clock offset: -1.686 ms

Below is generated by plot.py at 2018-07-18 04:40:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.02%

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

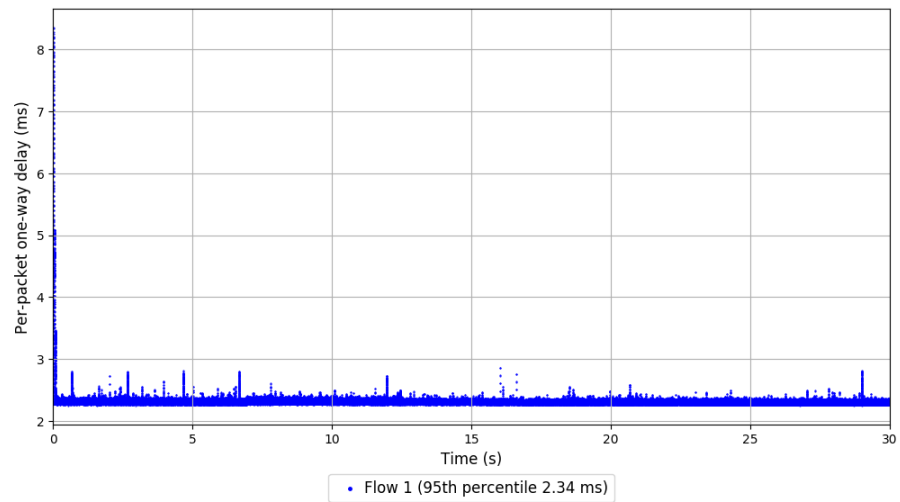
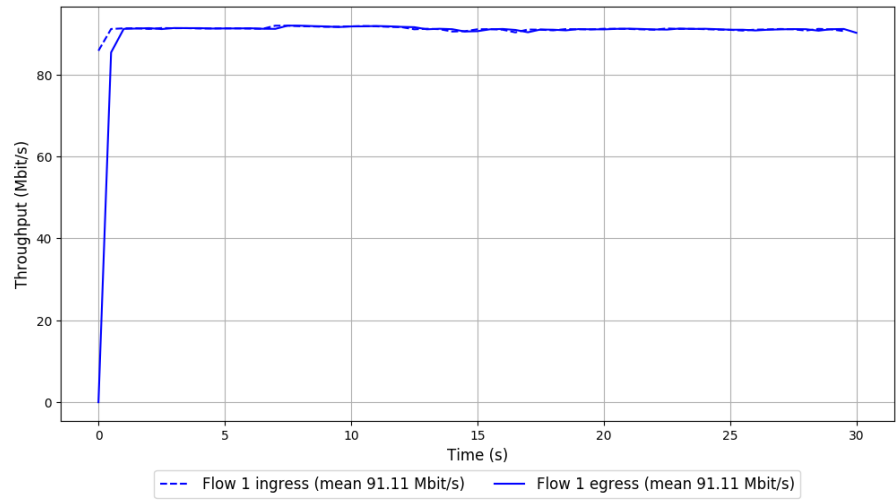


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 03:10:14
End at: 2018-07-18 03:10:44
Local clock offset: -5.546 ms
Remote clock offset: -2.278 ms

Below is generated by plot.py at 2018-07-18 04:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 2.339 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 2.339 ms
Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 03:29:16

End at: 2018-07-18 03:29:46

Local clock offset: -3.689 ms

Remote clock offset: -2.433 ms

Below is generated by plot.py at 2018-07-18 04:40:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.01%

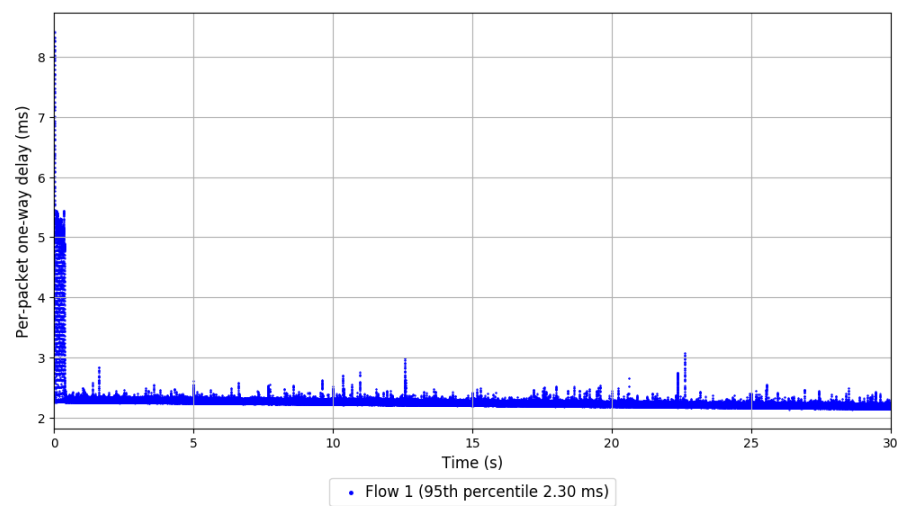
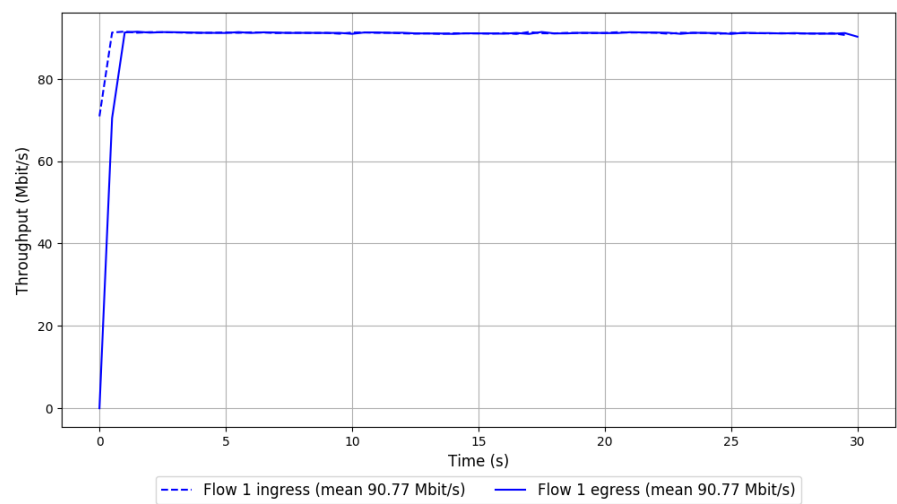
-- Flow 1:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.01%

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

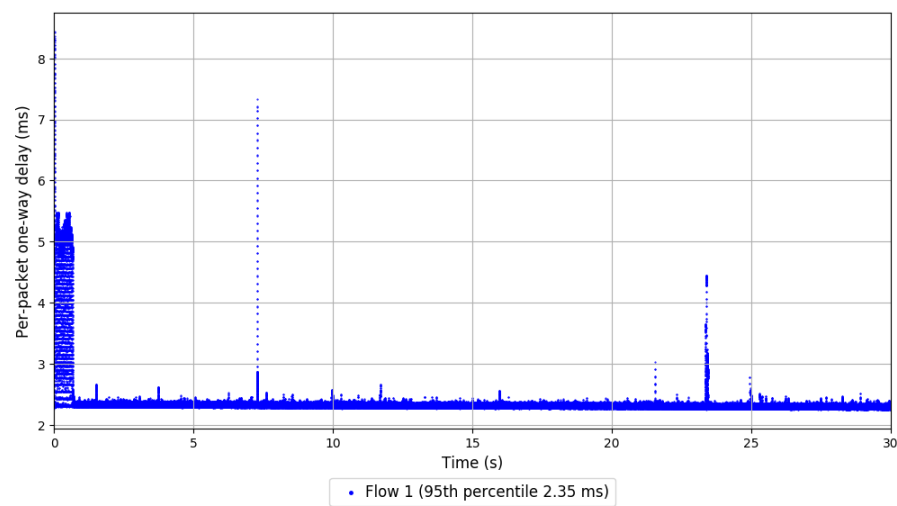
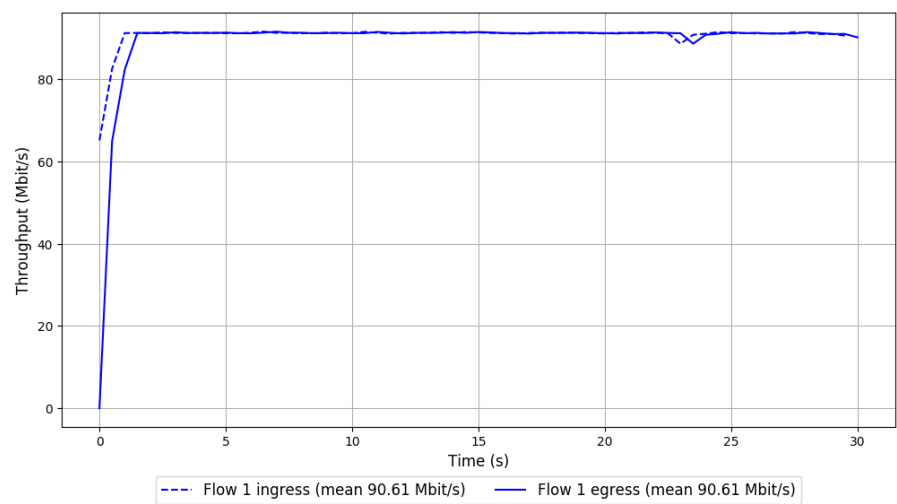


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 03:48:19
End at: 2018-07-18 03:48:49
Local clock offset: -0.318 ms
Remote clock offset: -1.482 ms

Below is generated by plot.py at 2018-07-18 04:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 04:07:22

End at: 2018-07-18 04:07:52

Local clock offset: -4.568 ms

Remote clock offset: -1.998 ms

Below is generated by plot.py at 2018-07-18 04:41:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 2.409 ms

Loss rate: 0.02%

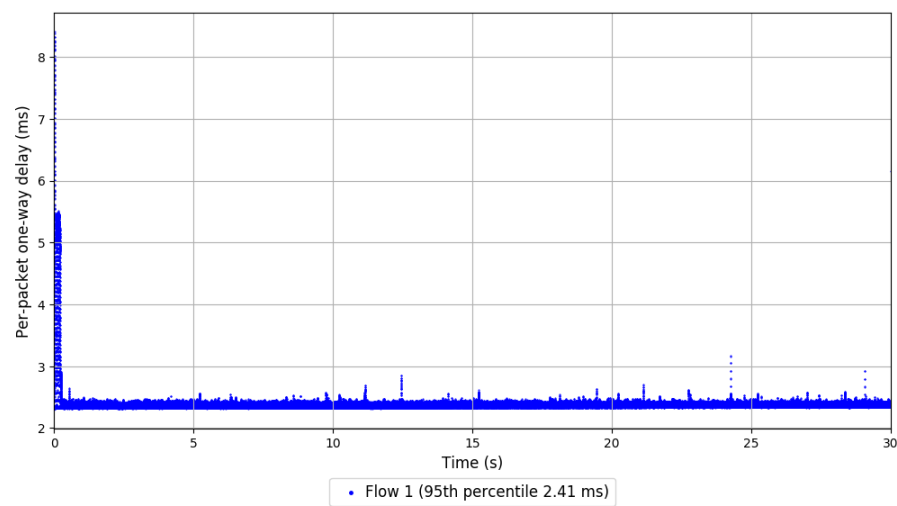
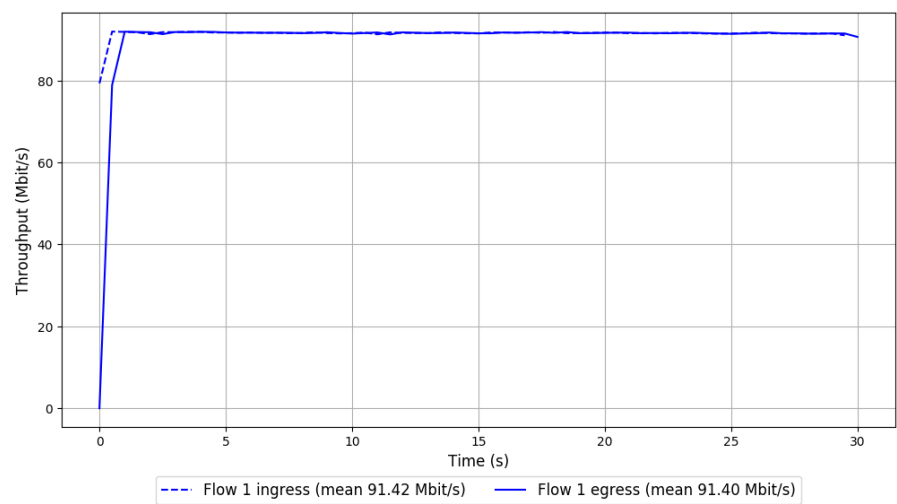
-- Flow 1:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 2.409 ms

Loss rate: 0.02%

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

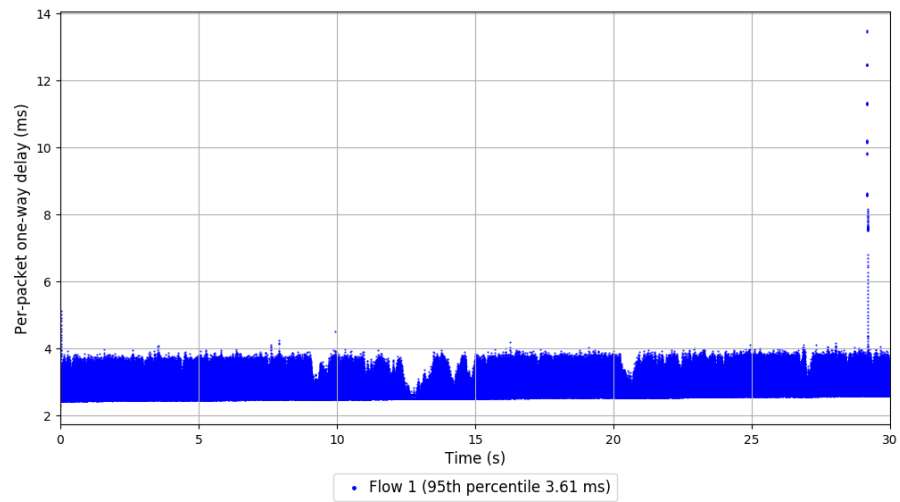
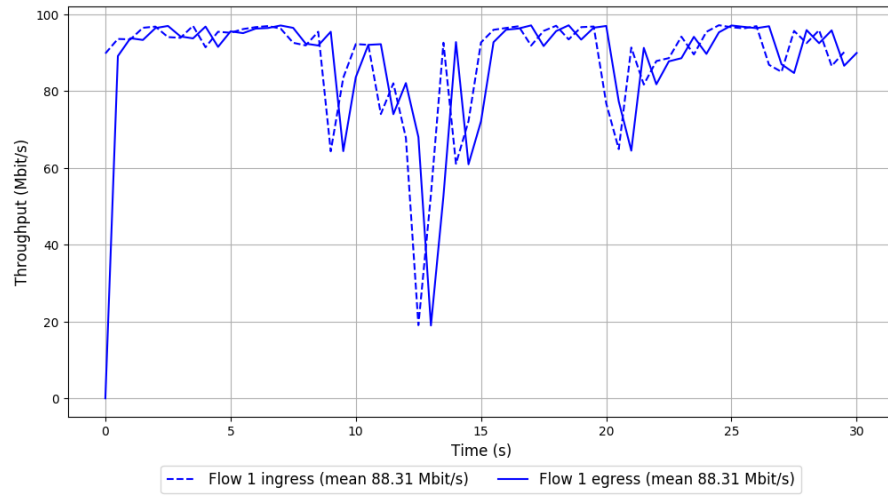


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 01:13:52
End at: 2018-07-18 01:14:22
Local clock offset: -6.487 ms
Remote clock offset: -9.402 ms

Below is generated by plot.py at 2018-07-18 04:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 3.609 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 3.609 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

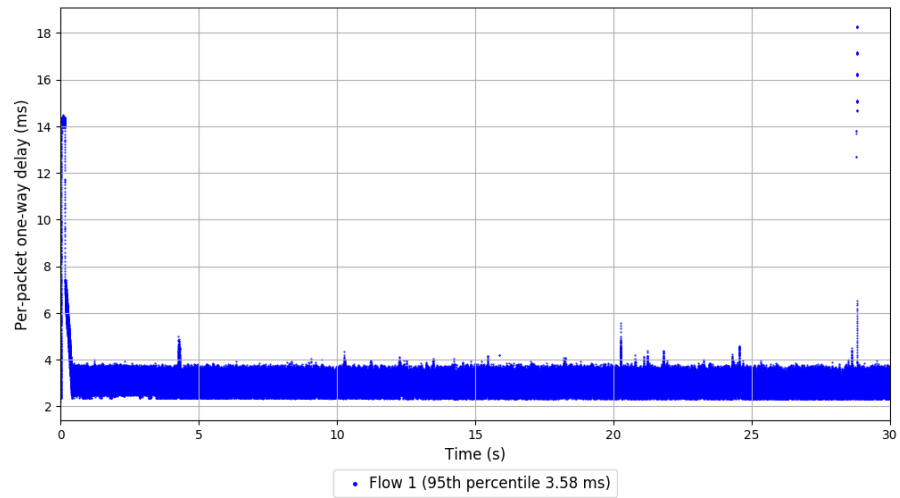
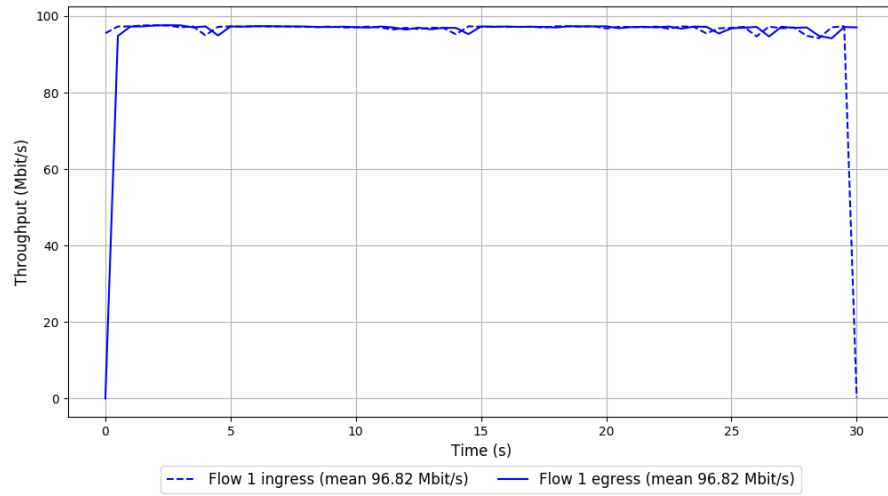


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 01:32:49
End at: 2018-07-18 01:33:19
Local clock offset: -6.074 ms
Remote clock offset: -7.352 ms

Below is generated by plot.py at 2018-07-18 04:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 3.577 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 3.577 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

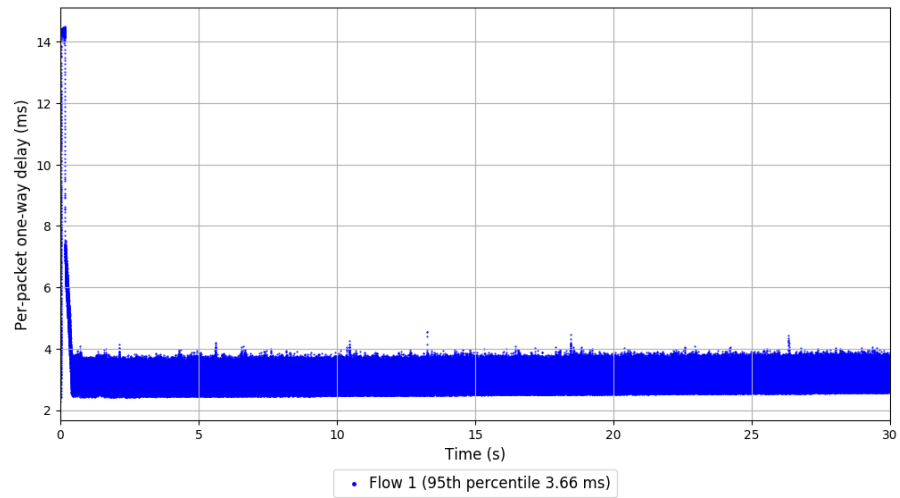
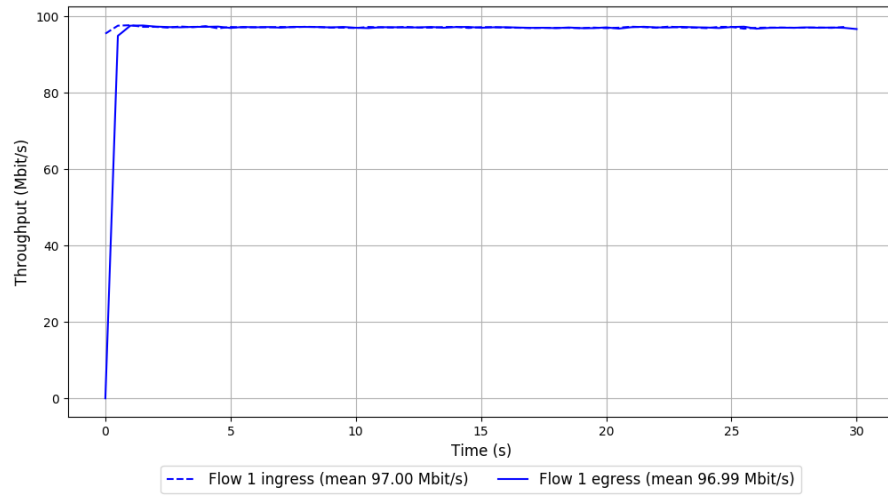


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 01:51:49
End at: 2018-07-18 01:52:19
Local clock offset: -5.891 ms
Remote clock offset: -5.549 ms

Below is generated by plot.py at 2018-07-18 04:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 3.661 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 3.661 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

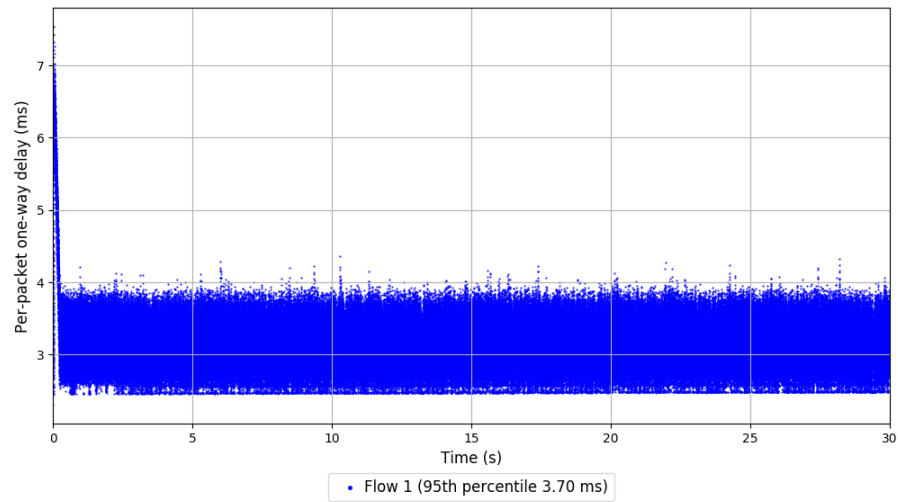
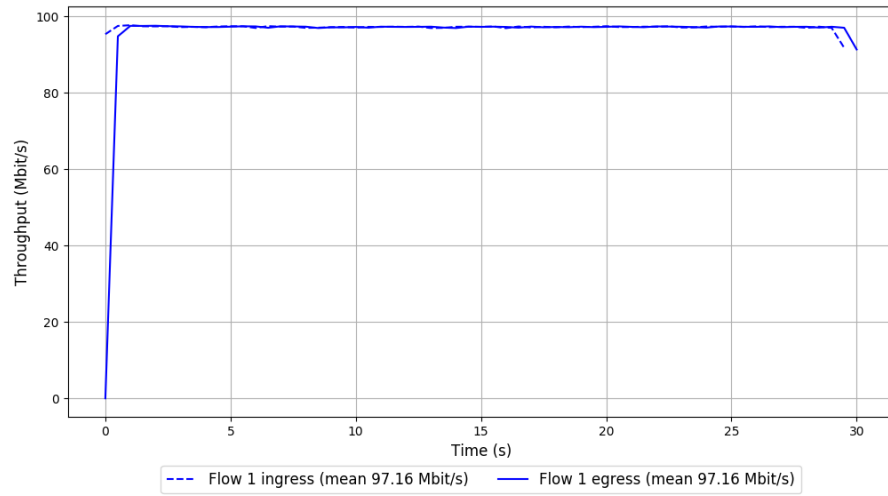


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 02:10:52
End at: 2018-07-18 02:11:22
Local clock offset: -5.776 ms
Remote clock offset: -3.057 ms

Below is generated by plot.py at 2018-07-18 04:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 3.697 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 3.697 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

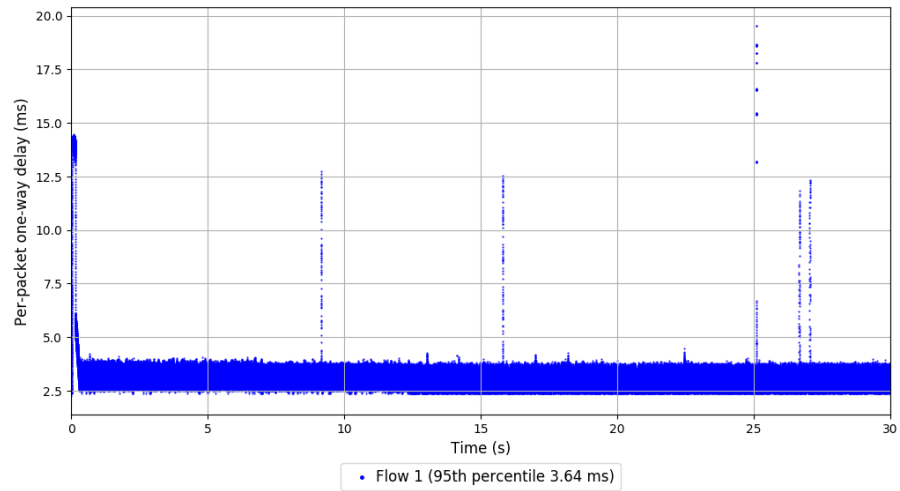
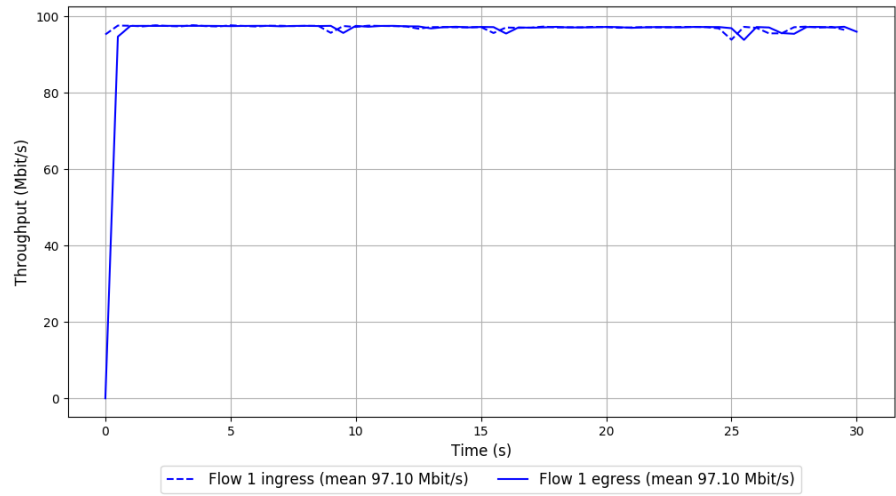


Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 02:29:55
End at: 2018-07-18 02:30:25
Local clock offset: -5.663 ms
Remote clock offset: -2.235 ms

Below is generated by plot.py at 2018-07-18 04:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 3.640 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 3.640 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 02:48:58

End at: 2018-07-18 02:49:28

Local clock offset: -5.62 ms

Remote clock offset: -1.777 ms

Below is generated by plot.py at 2018-07-18 04:41:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 3.740 ms

Loss rate: 0.02%

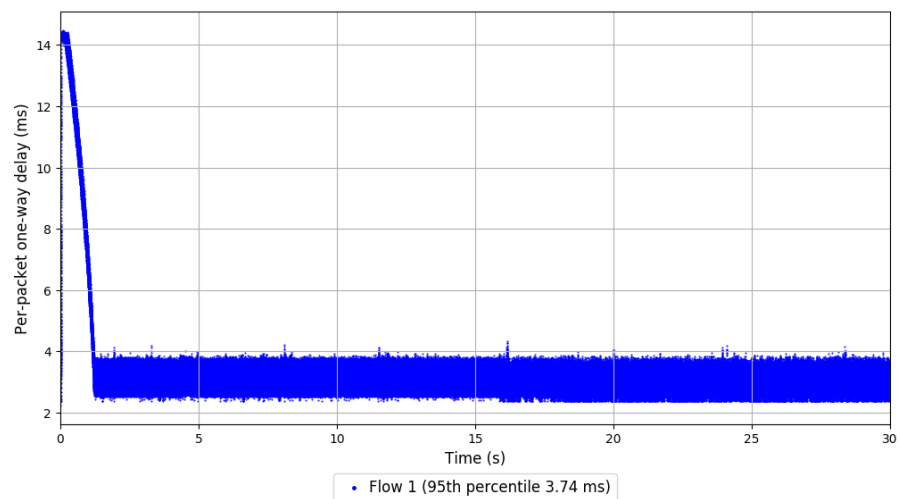
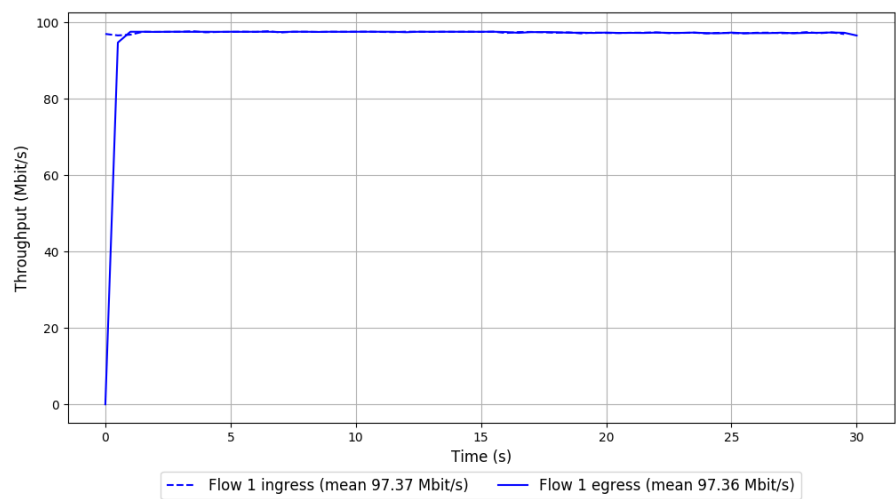
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 3.740 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

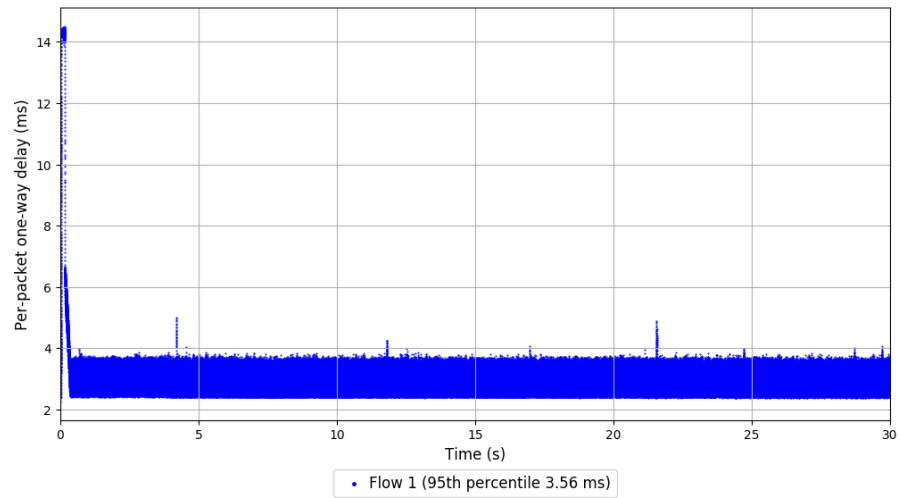
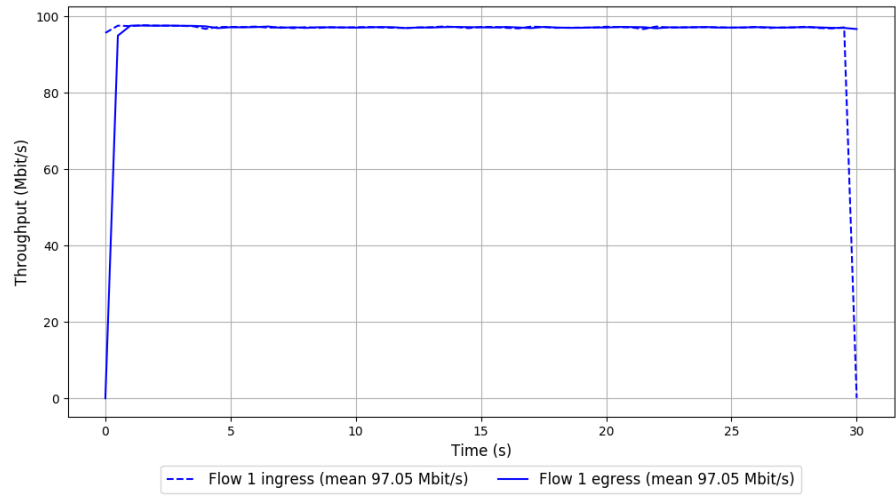


Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 03:08:00
End at: 2018-07-18 03:08:30
Local clock offset: -5.513 ms
Remote clock offset: -2.314 ms

Below is generated by plot.py at 2018-07-18 04:42:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 3.556 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 3.556 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

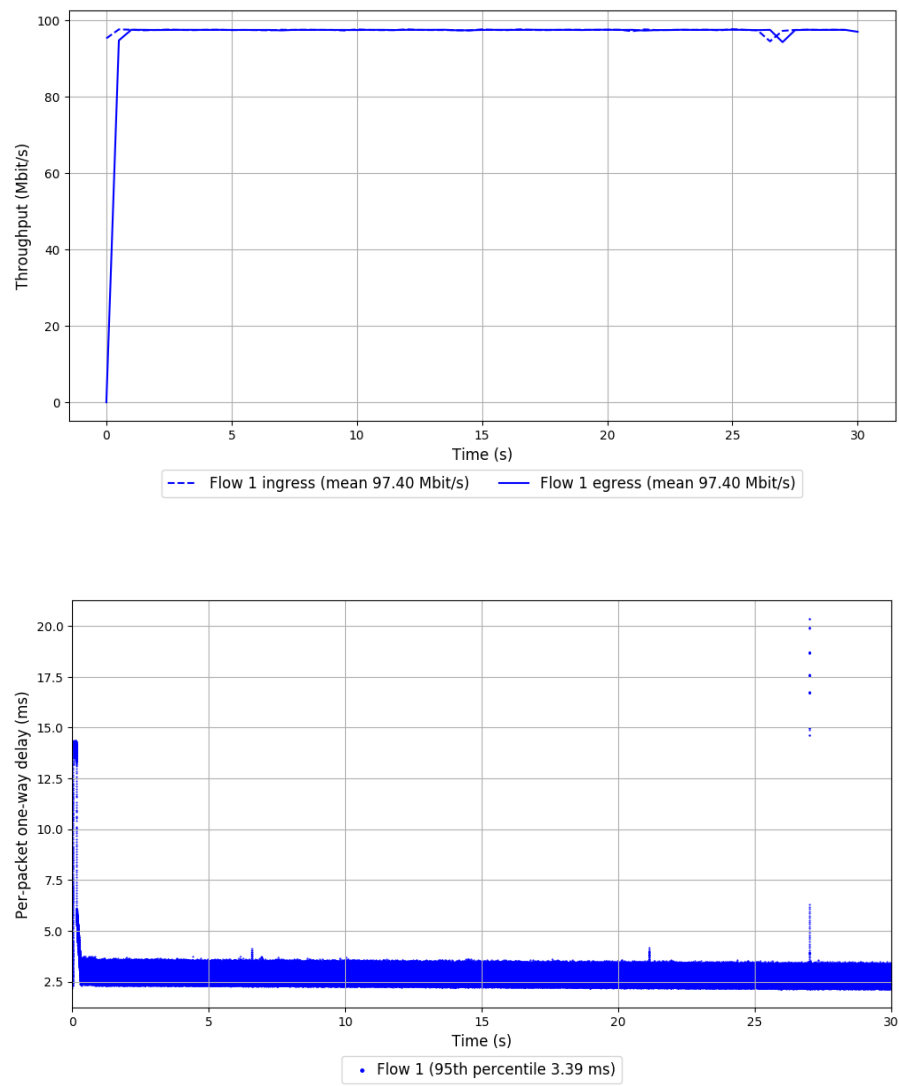


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 03:27:03
End at: 2018-07-18 03:27:33
Local clock offset: -4.431 ms
Remote clock offset: -2.454 ms

Below is generated by plot.py at 2018-07-18 04:42:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.393 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.393 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

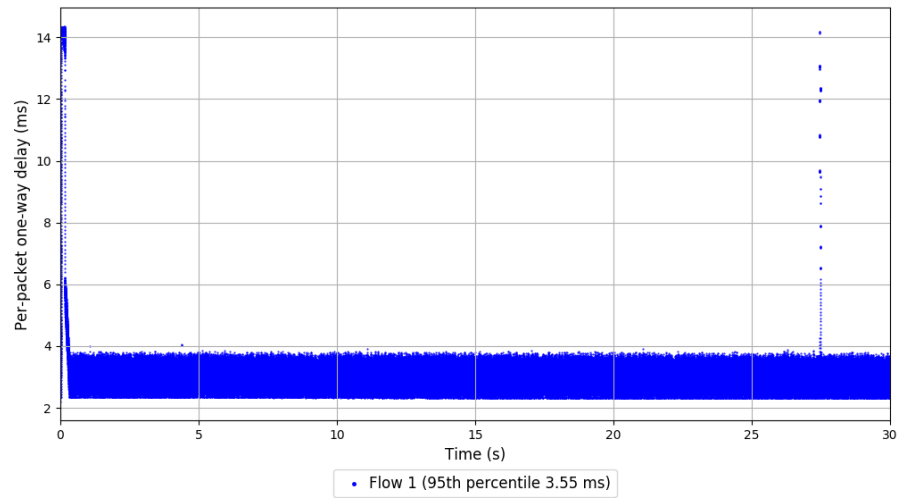
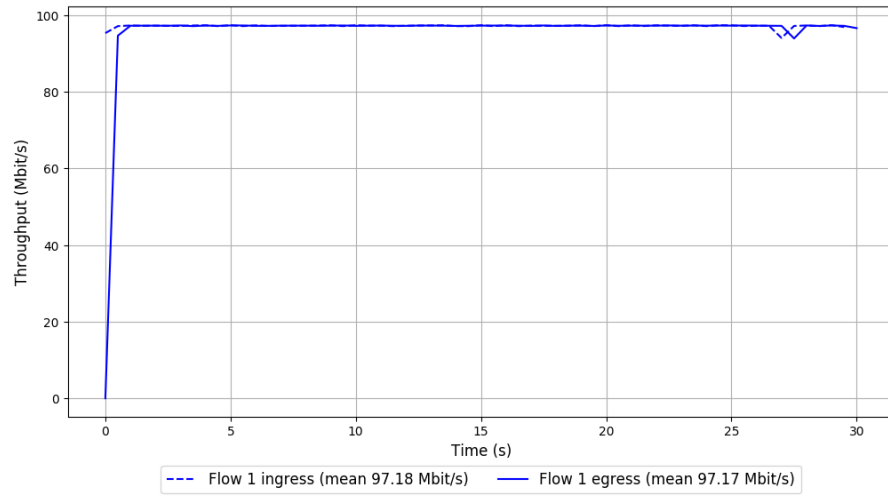


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 03:46:05
End at: 2018-07-18 03:46:35
Local clock offset: -0.58 ms
Remote clock offset: -1.603 ms

Below is generated by plot.py at 2018-07-18 04:42:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 04:05:08

End at: 2018-07-18 04:05:38

Local clock offset: -4.053 ms

Remote clock offset: -1.631 ms

Below is generated by plot.py at 2018-07-18 04:42:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 3.630 ms

Loss rate: 0.02%

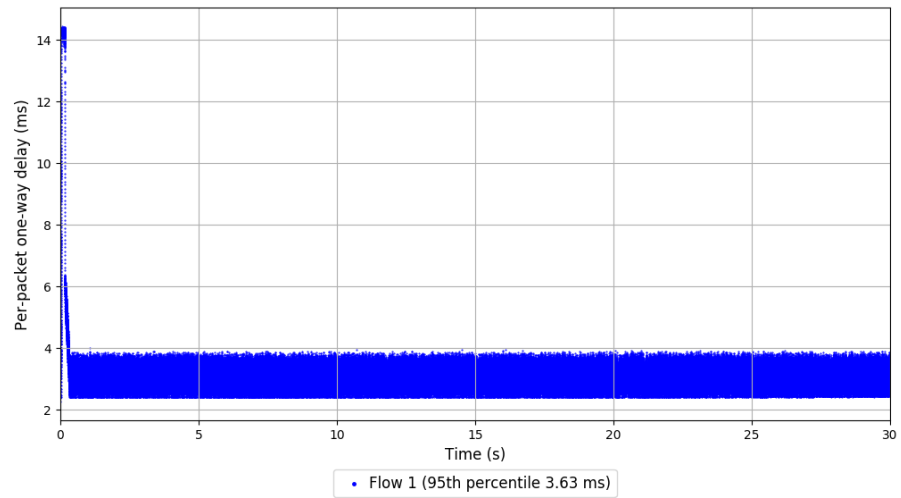
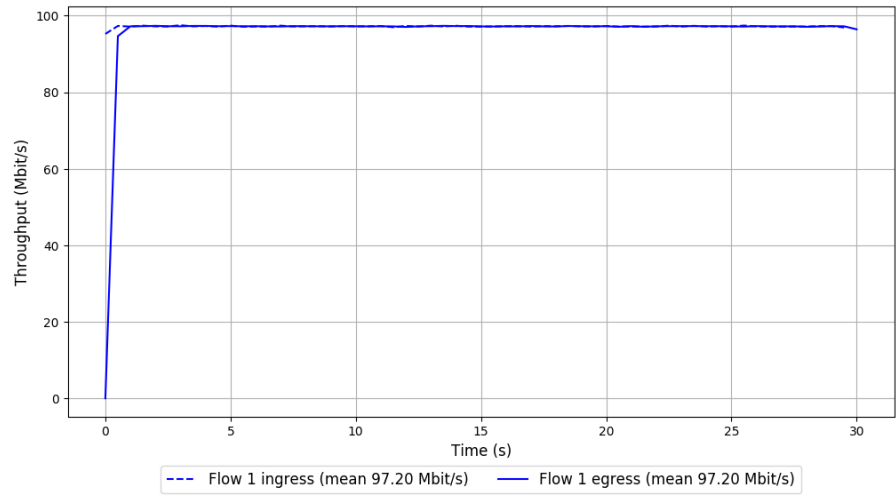
-- Flow 1:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 3.630 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

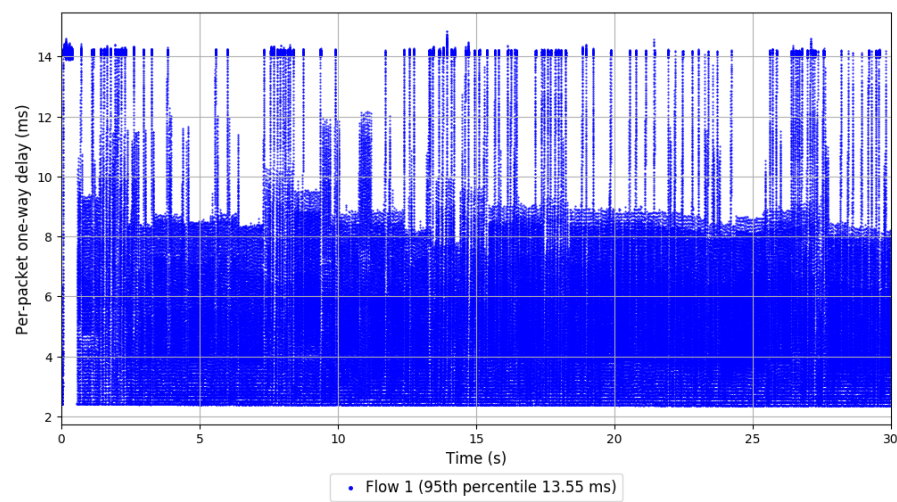
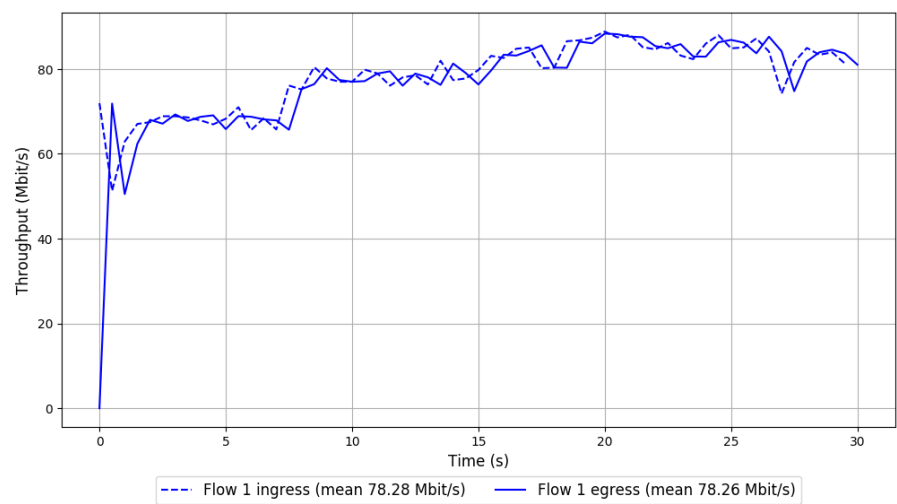


Run 1: Statistics of Verus

Start at: 2018-07-18 01:09:24
End at: 2018-07-18 01:09:54
Local clock offset: -6.395 ms
Remote clock offset: -9.502 ms

Below is generated by plot.py at 2018-07-18 04:42:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 13.555 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 13.555 ms
Loss rate: 0.02%

Run 1: Report of Verus — Data Link

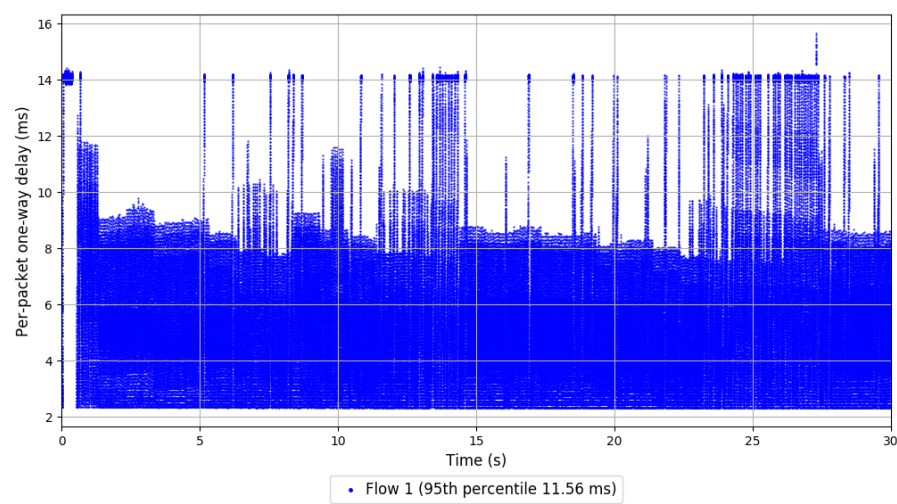
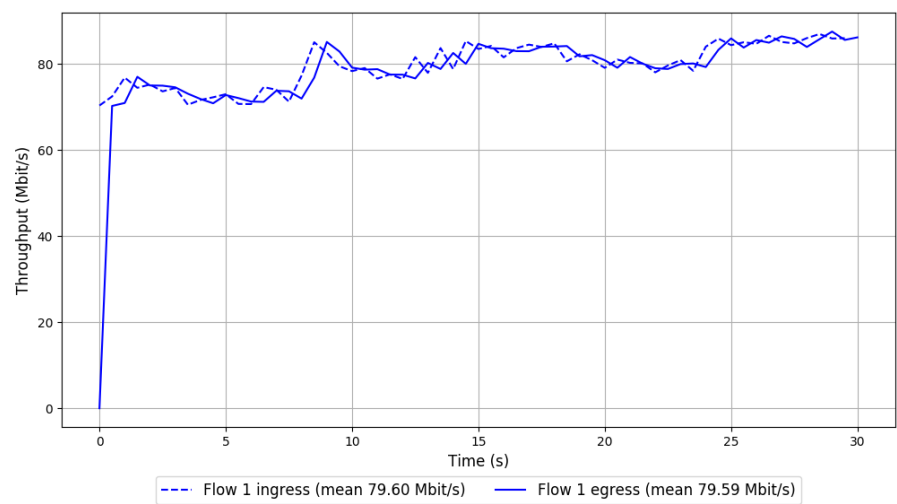


Run 2: Statistics of Verus

Start at: 2018-07-18 01:28:21
End at: 2018-07-18 01:28:51
Local clock offset: -6.305 ms
Remote clock offset: -7.403 ms

Below is generated by plot.py at 2018-07-18 04:42:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 11.562 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 11.562 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

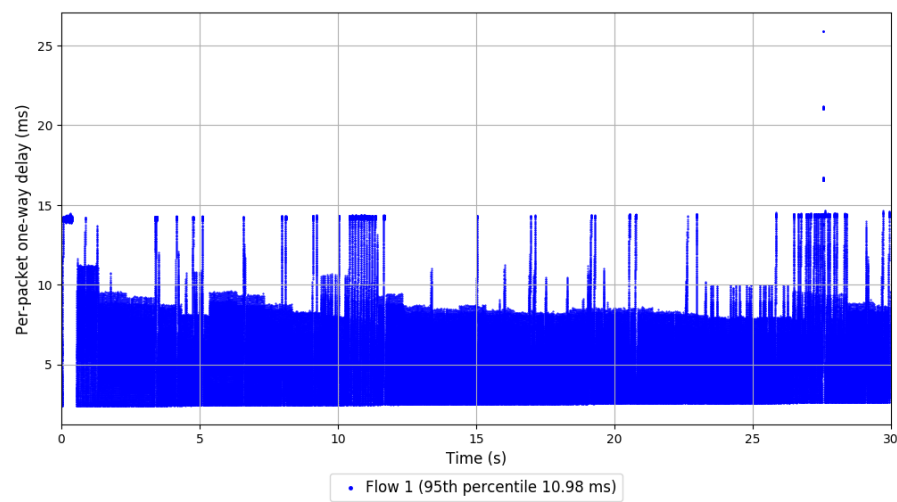
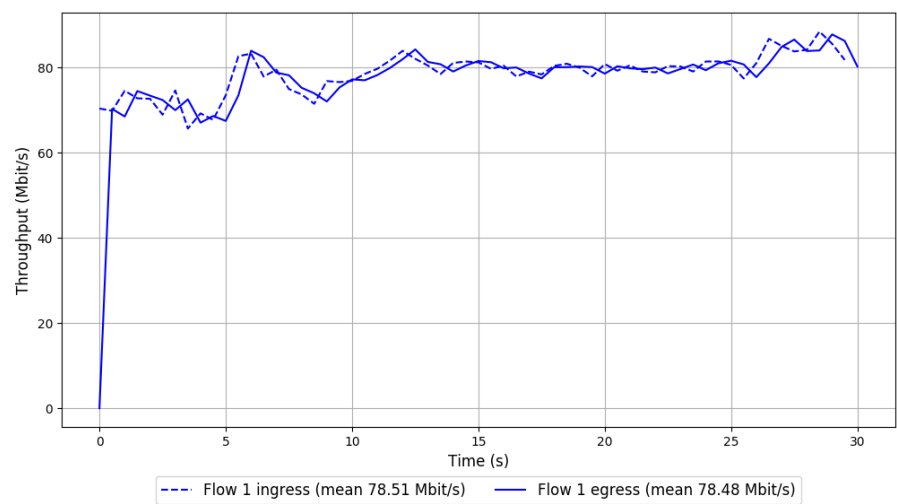


Run 3: Statistics of Verus

Start at: 2018-07-18 01:47:21
End at: 2018-07-18 01:47:51
Local clock offset: -5.937 ms
Remote clock offset: -7.244 ms

Below is generated by plot.py at 2018-07-18 04:42:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.48 Mbit/s
95th percentile per-packet one-way delay: 10.984 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 78.48 Mbit/s
95th percentile per-packet one-way delay: 10.984 ms
Loss rate: 0.05%

Run 3: Report of Verus — Data Link

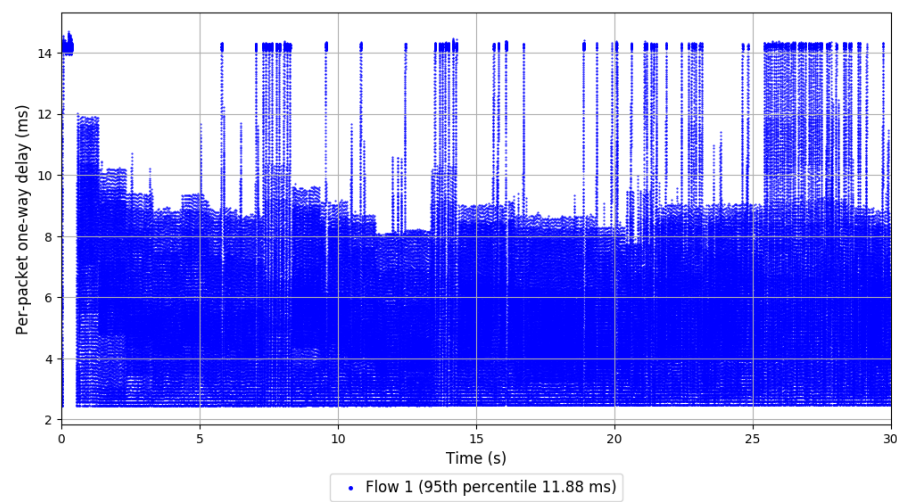
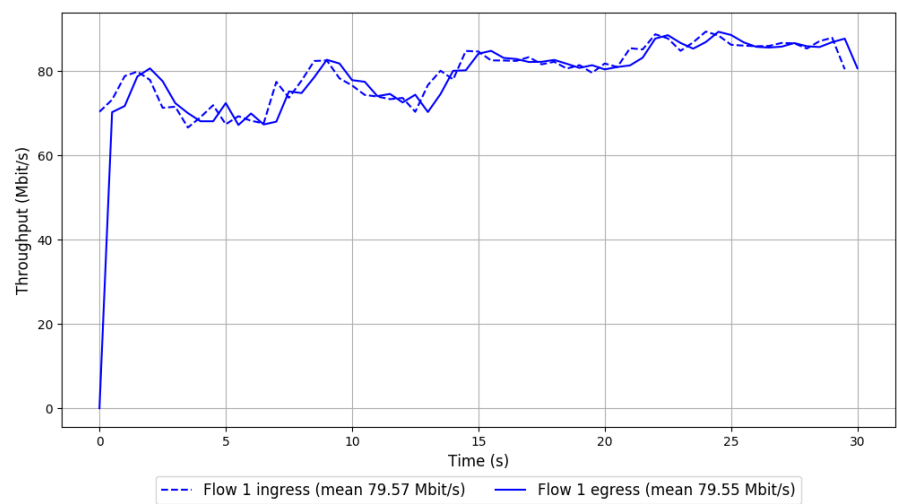


Run 4: Statistics of Verus

Start at: 2018-07-18 02:06:24
End at: 2018-07-18 02:06:54
Local clock offset: -5.772 ms
Remote clock offset: -3.329 ms

Below is generated by plot.py at 2018-07-18 04:42:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 11.883 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 11.883 ms
Loss rate: 0.03%

Run 4: Report of Verus — Data Link

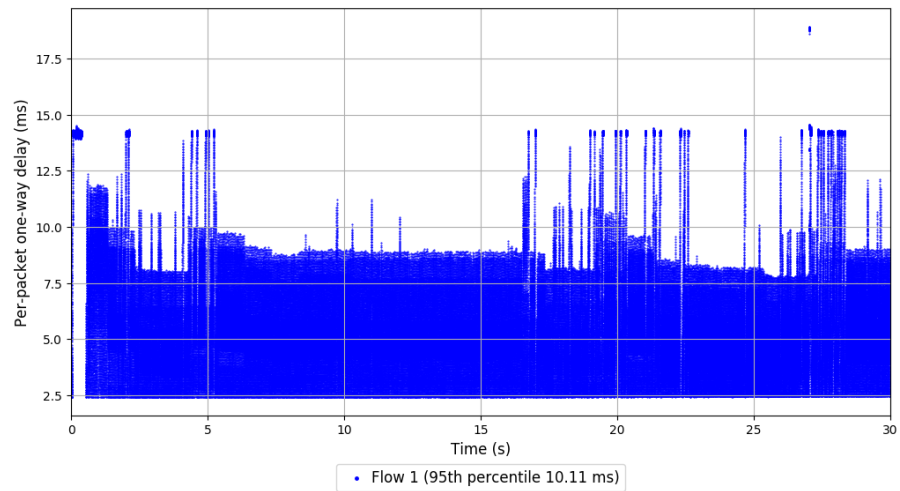
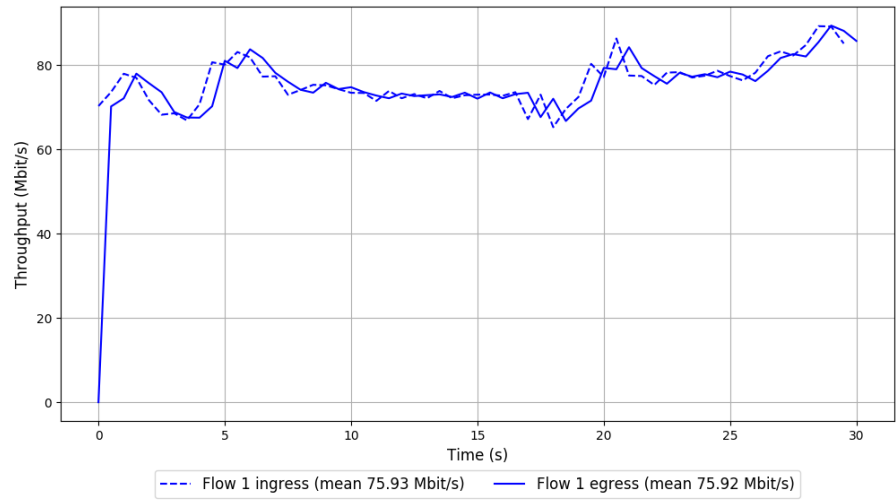


Run 5: Statistics of Verus

Start at: 2018-07-18 02:25:27
End at: 2018-07-18 02:25:57
Local clock offset: -5.573 ms
Remote clock offset: -2.449 ms

Below is generated by plot.py at 2018-07-18 04:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 10.110 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 10.110 ms
Loss rate: 0.03%

Run 5: Report of Verus — Data Link

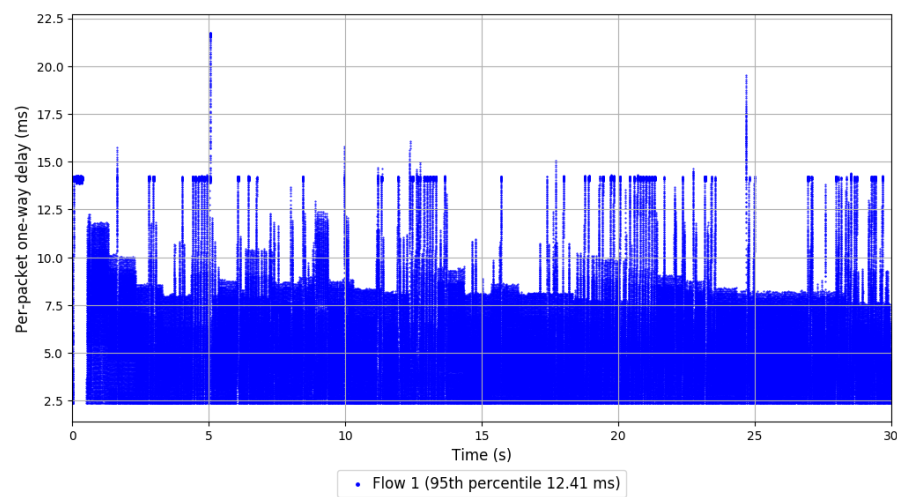
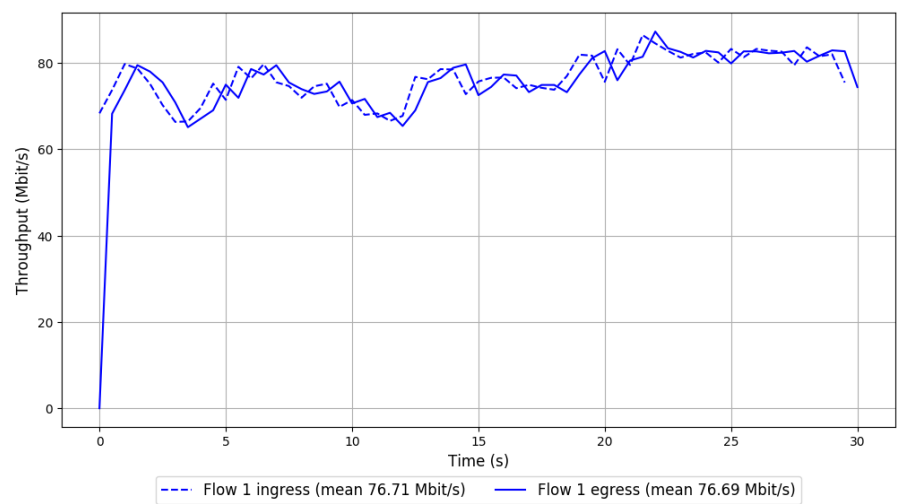


Run 6: Statistics of Verus

Start at: 2018-07-18 02:44:30
End at: 2018-07-18 02:45:00
Local clock offset: -5.719 ms
Remote clock offset: -1.946 ms

Below is generated by plot.py at 2018-07-18 04:43:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 12.406 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 12.406 ms
Loss rate: 0.04%

Run 6: Report of Verus — Data Link

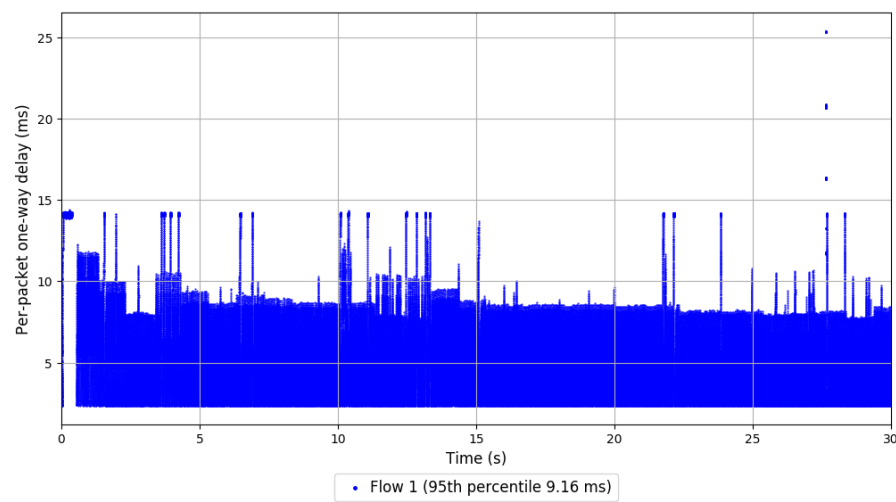
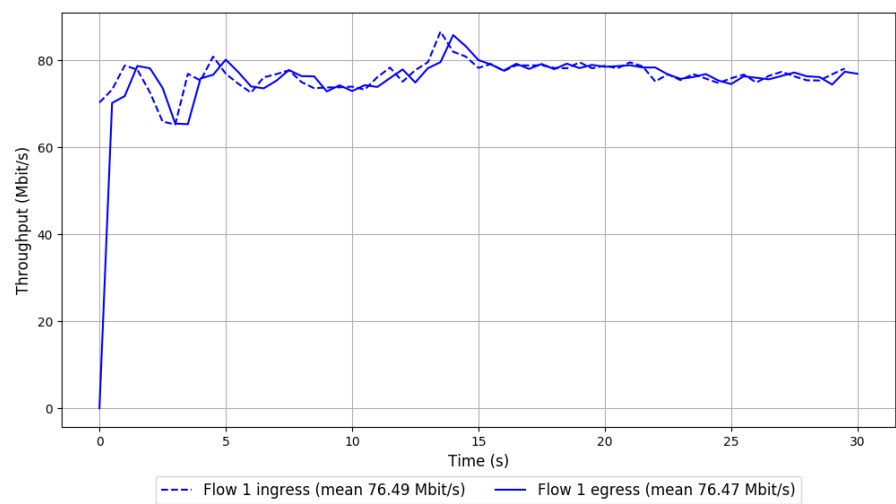


Run 7: Statistics of Verus

Start at: 2018-07-18 03:03:32
End at: 2018-07-18 03:04:02
Local clock offset: -5.596 ms
Remote clock offset: -2.229 ms

Below is generated by plot.py at 2018-07-18 04:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 9.157 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 9.157 ms
Loss rate: 0.04%

Run 7: Report of Verus — Data Link

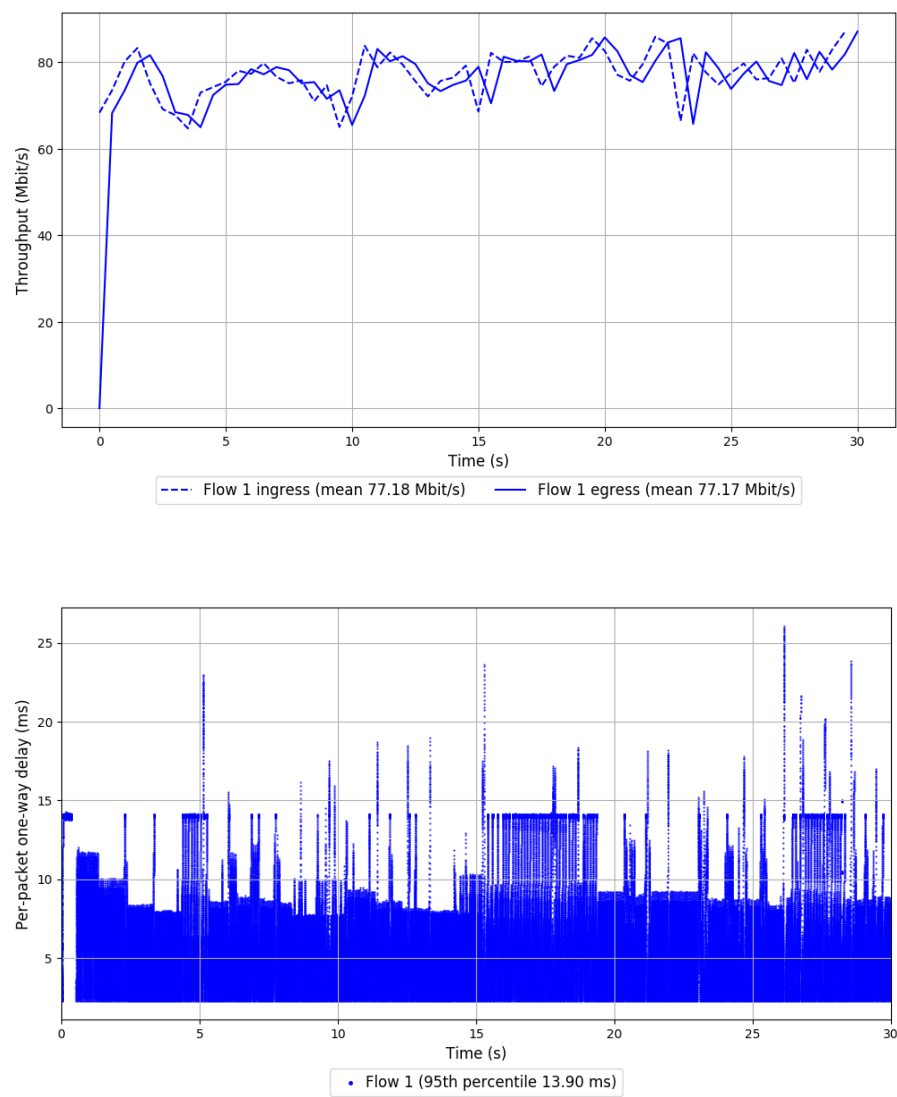


Run 8: Statistics of Verus

Start at: 2018-07-18 03:22:35
End at: 2018-07-18 03:23:05
Local clock offset: -5.436 ms
Remote clock offset: -2.356 ms

Below is generated by plot.py at 2018-07-18 04:43:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 13.899 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 13.899 ms
Loss rate: 0.04%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 03:41:37

End at: 2018-07-18 03:42:07

Local clock offset: -1.042 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2018-07-18 04:43:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.30 Mbit/s

95th percentile per-packet one-way delay: 10.884 ms

Loss rate: 0.02%

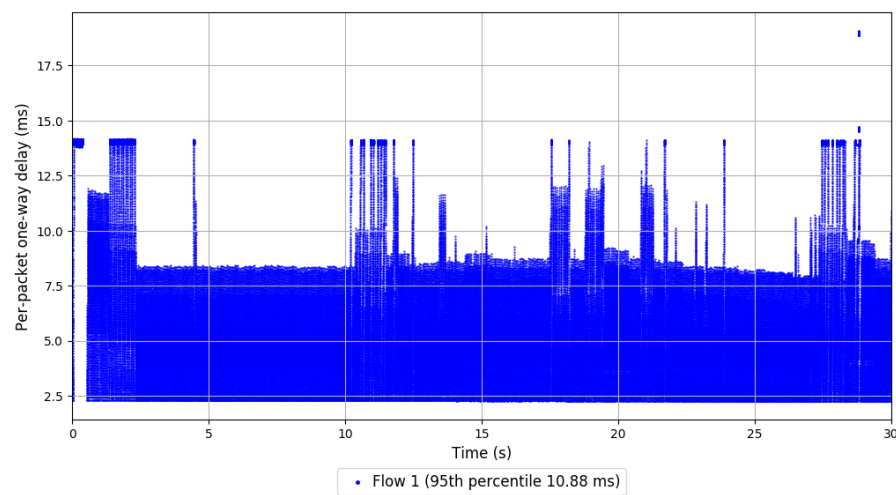
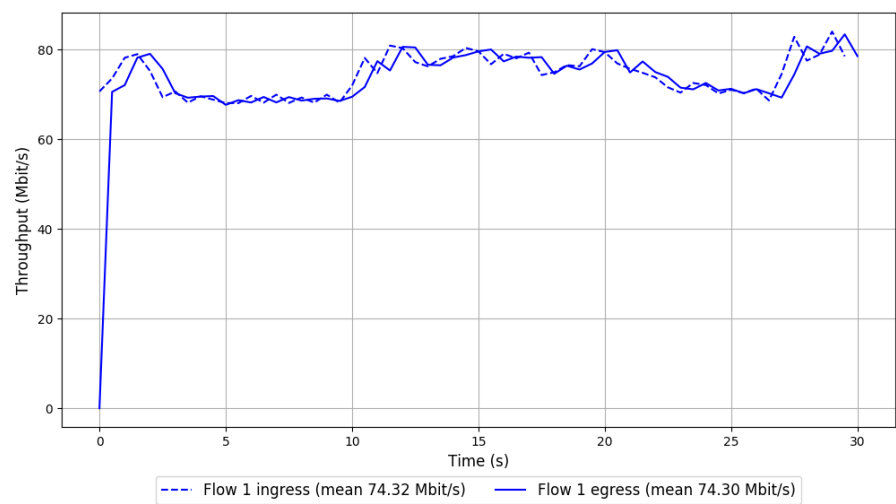
-- Flow 1:

Average throughput: 74.30 Mbit/s

95th percentile per-packet one-way delay: 10.884 ms

Loss rate: 0.02%

Run 9: Report of Verus — Data Link

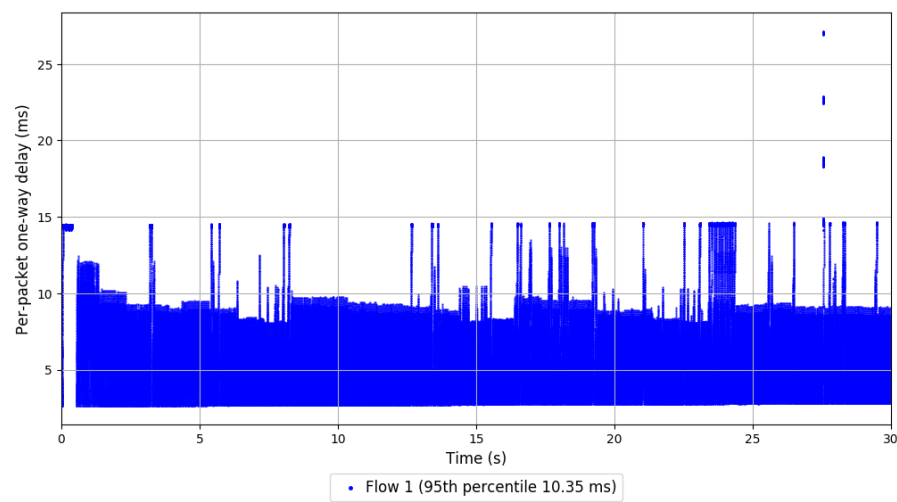
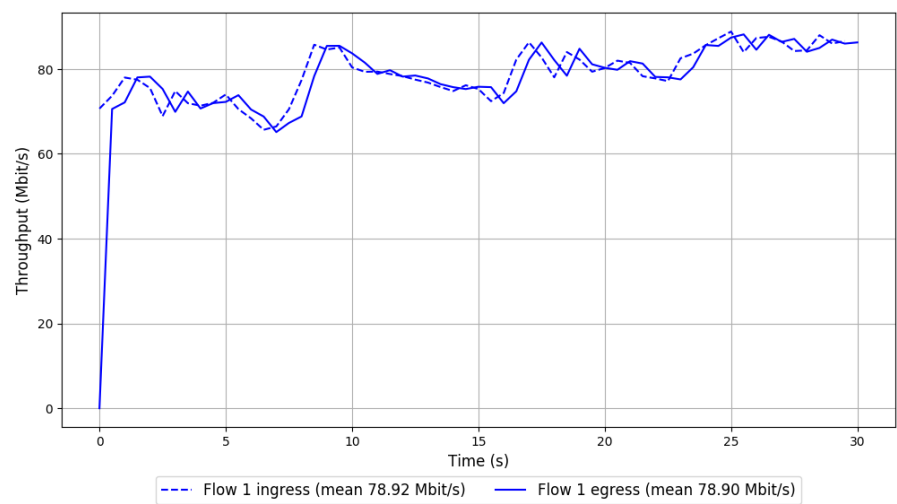


Run 10: Statistics of Verus

Start at: 2018-07-18 04:00:40
End at: 2018-07-18 04:01:10
Local clock offset: -2.7 ms
Remote clock offset: -1.436 ms

Below is generated by plot.py at 2018-07-18 04:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 10.347 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 10.347 ms
Loss rate: 0.04%

Run 10: Report of Verus — Data Link

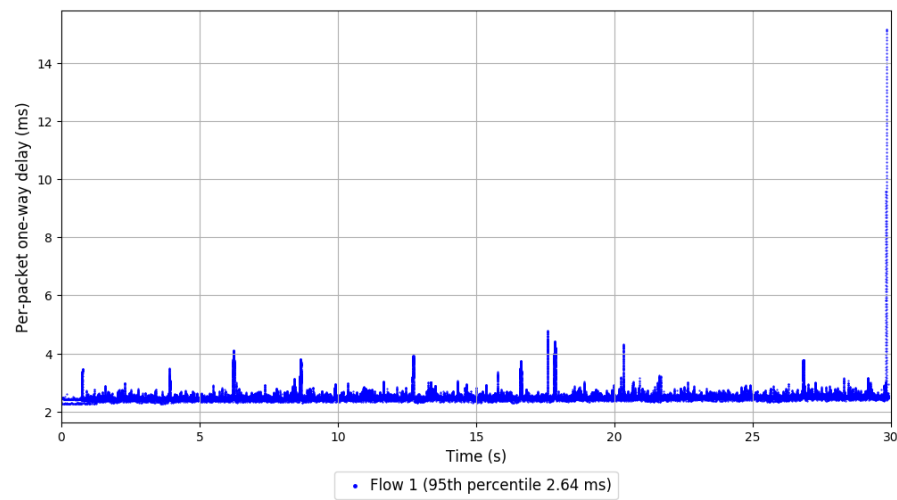
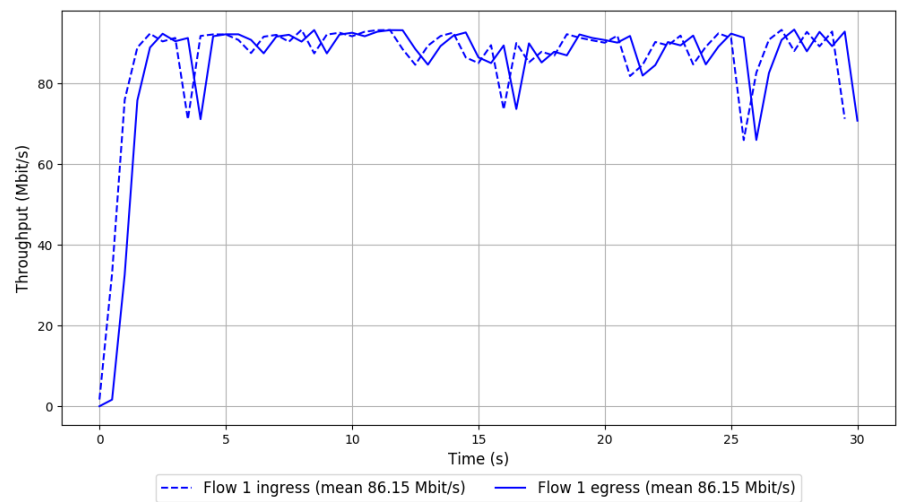


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 01:19:29
End at: 2018-07-18 01:19:59
Local clock offset: -6.507 ms
Remote clock offset: -8.136 ms

Below is generated by plot.py at 2018-07-18 04:43:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 2.638 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 2.638 ms
Loss rate: 0.02%

Run 1: Report of PCC-Vivace — Data Link

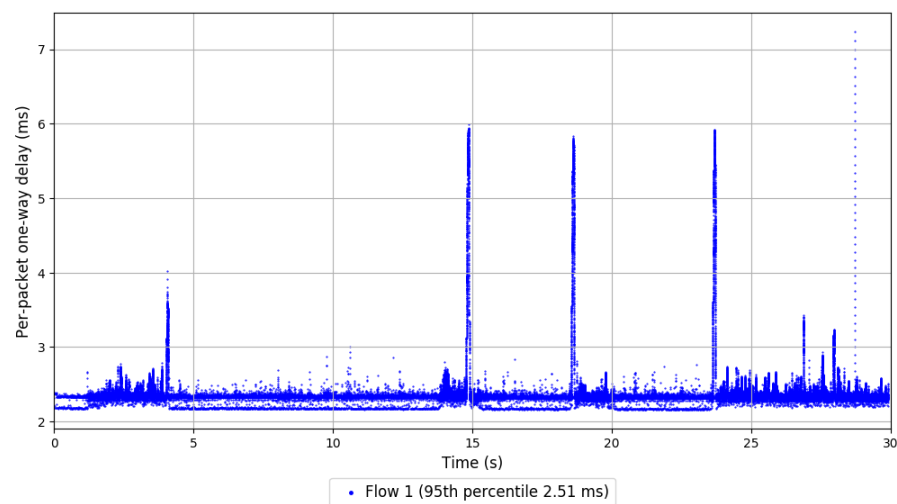
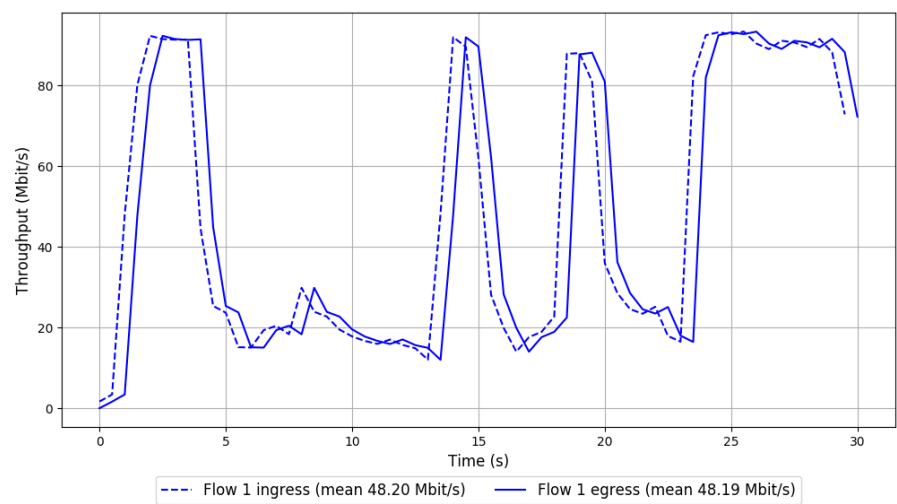


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 01:38:27
End at: 2018-07-18 01:38:57
Local clock offset: -5.933 ms
Remote clock offset: -7.396 ms

Below is generated by plot.py at 2018-07-18 04:43:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 2.507 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 2.507 ms
Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 01:57:27

End at: 2018-07-18 01:57:57

Local clock offset: -5.857 ms

Remote clock offset: -4.38 ms

Below is generated by plot.py at 2018-07-18 04:44:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.37 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.02%

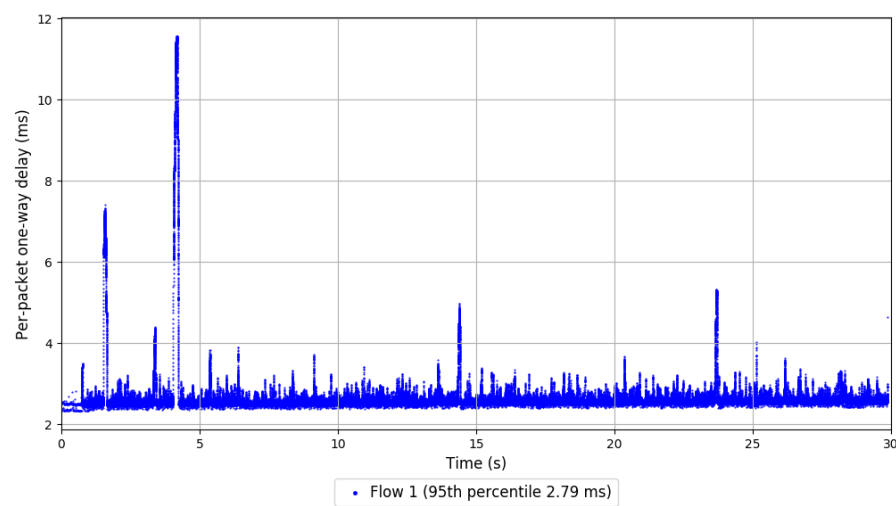
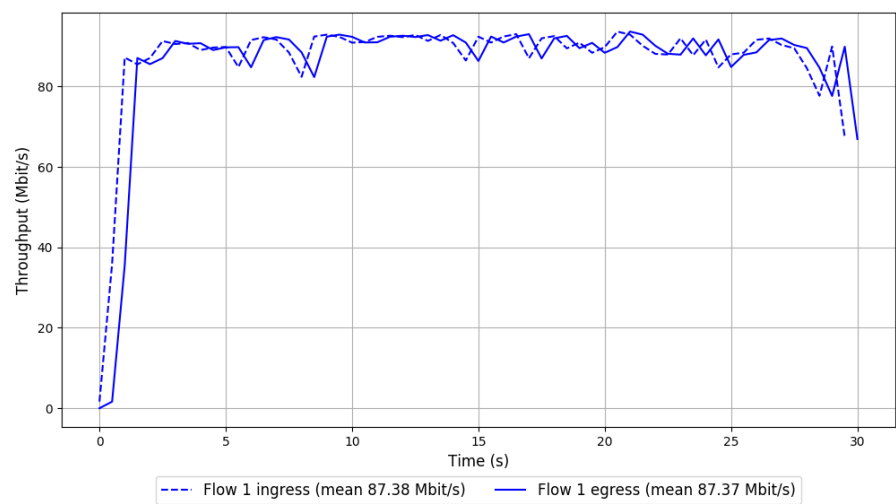
-- Flow 1:

Average throughput: 87.37 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

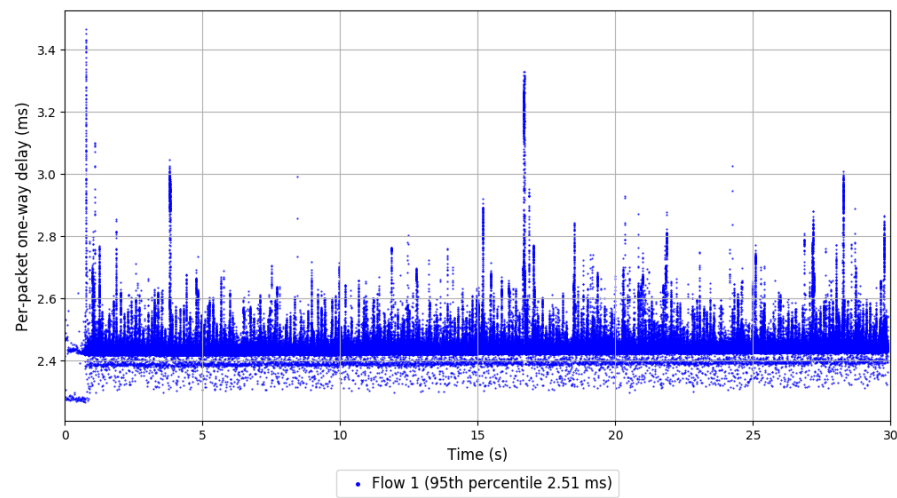
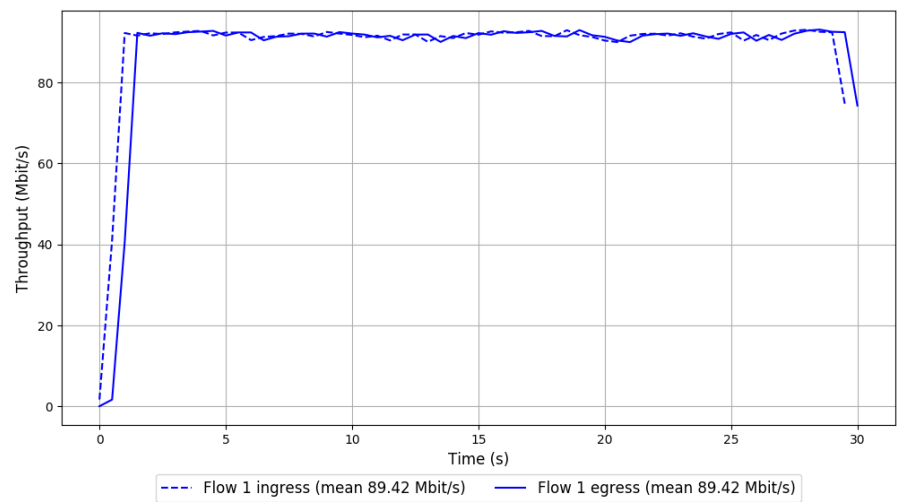


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 02:16:31
End at: 2018-07-18 02:17:01
Local clock offset: -5.712 ms
Remote clock offset: -2.807 ms

Below is generated by plot.py at 2018-07-18 04:44:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 02:35:34

End at: 2018-07-18 02:36:04

Local clock offset: -5.69 ms

Remote clock offset: -2.169 ms

Below is generated by plot.py at 2018-07-18 04:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.20 Mbit/s

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

Loss rate: 0.02%

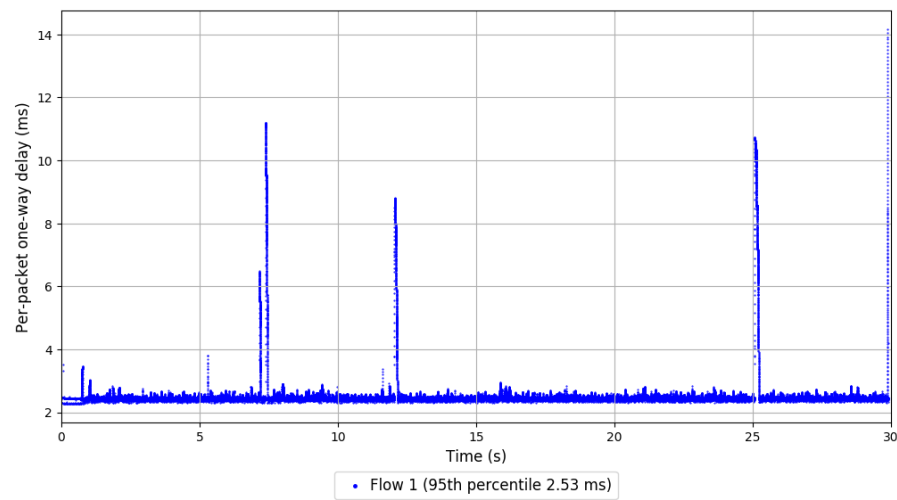
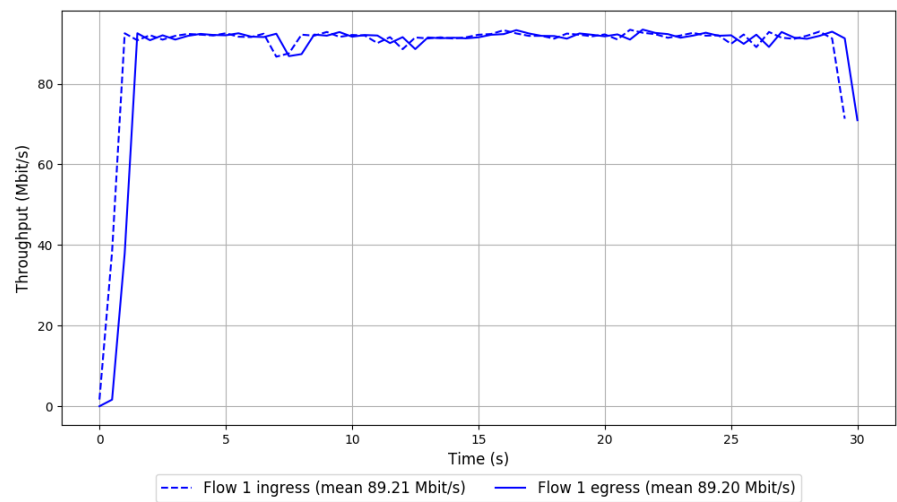
-- Flow 1:

Average throughput: 89.20 Mbit/s

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

Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 02:54:36

End at: 2018-07-18 02:55:06

Local clock offset: -5.552 ms

Remote clock offset: -1.618 ms

Below is generated by plot.py at 2018-07-18 04:44:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 2.460 ms

Loss rate: 0.02%

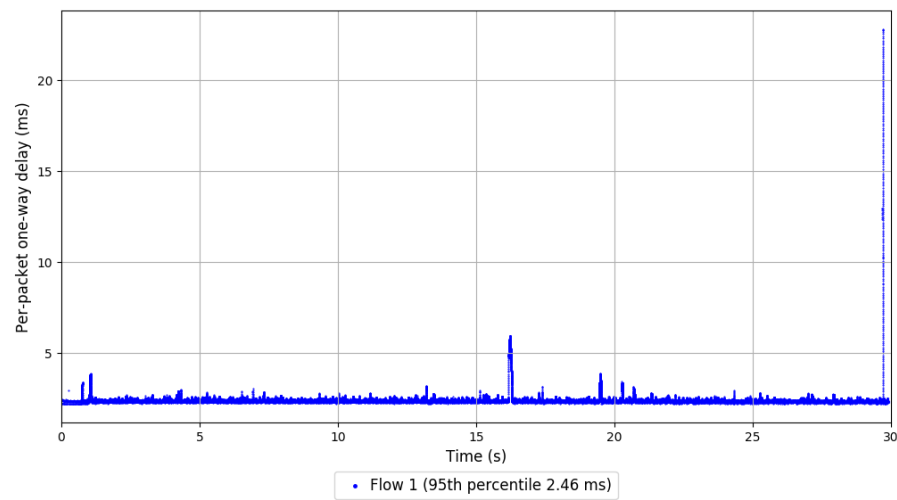
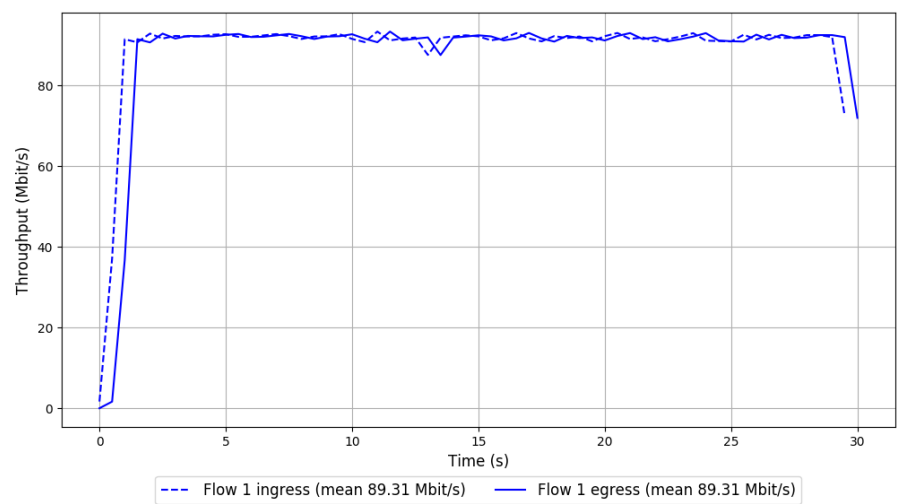
-- Flow 1:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 2.460 ms

Loss rate: 0.02%

Run 6: Report of PCC-Vivace — Data Link

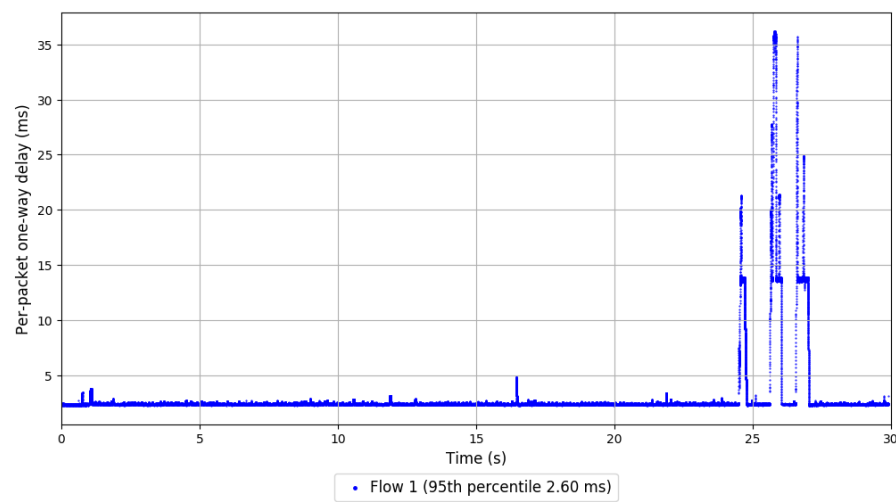
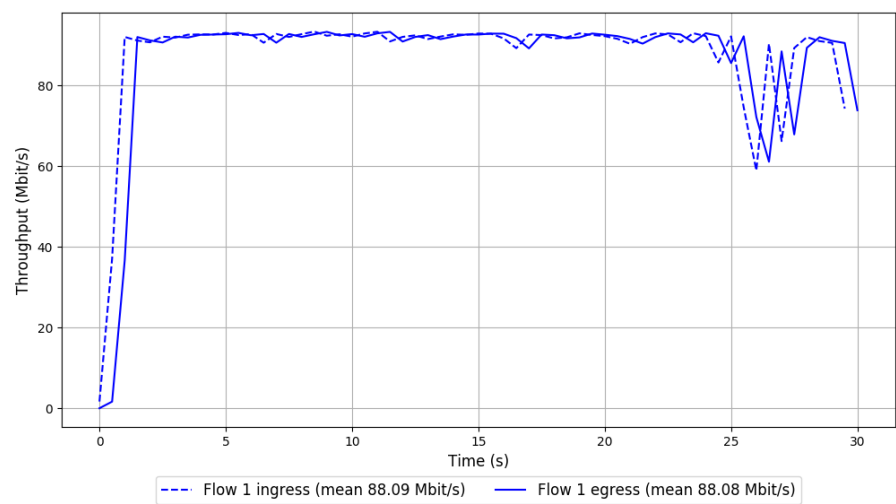


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 03:13:39
End at: 2018-07-18 03:14:09
Local clock offset: -5.481 ms
Remote clock offset: -2.381 ms

Below is generated by plot.py at 2018-07-18 04:44:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 2.599 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 2.599 ms
Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 03:32:41

End at: 2018-07-18 03:33:11

Local clock offset: -2.733 ms

Remote clock offset: -2.15 ms

Below is generated by plot.py at 2018-07-18 04:44:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 0.02%

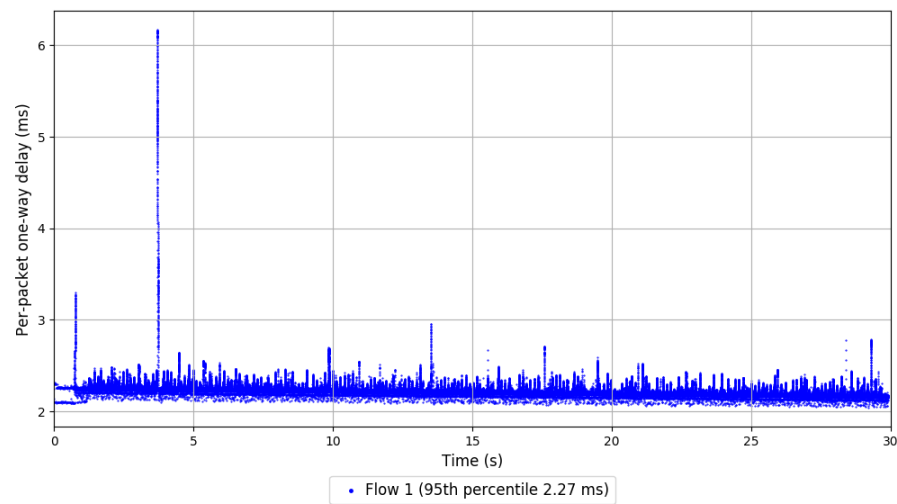
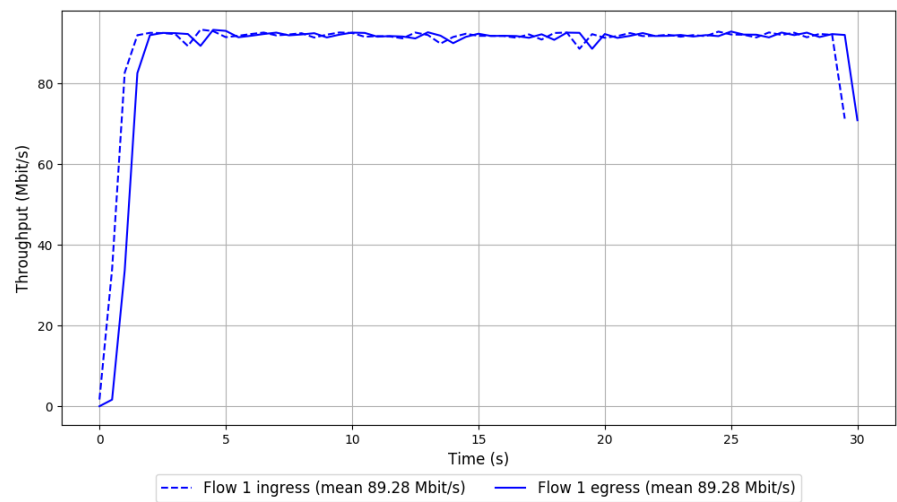
-- Flow 1:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

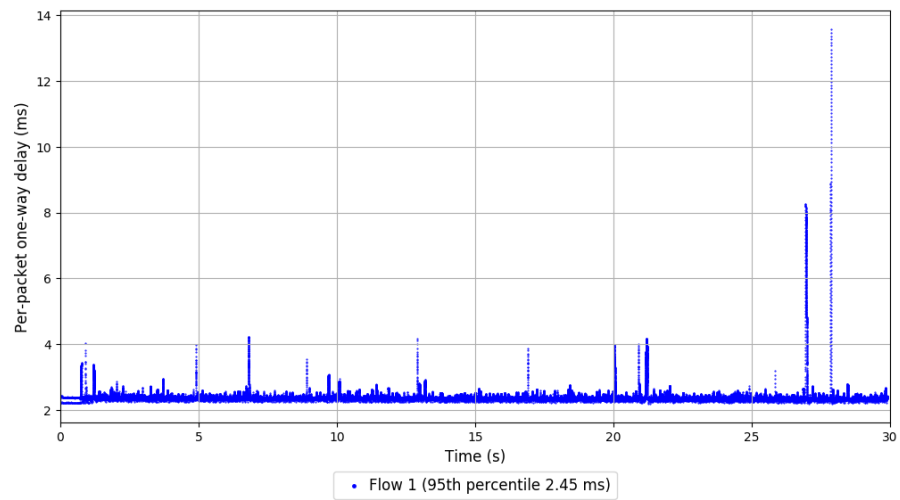
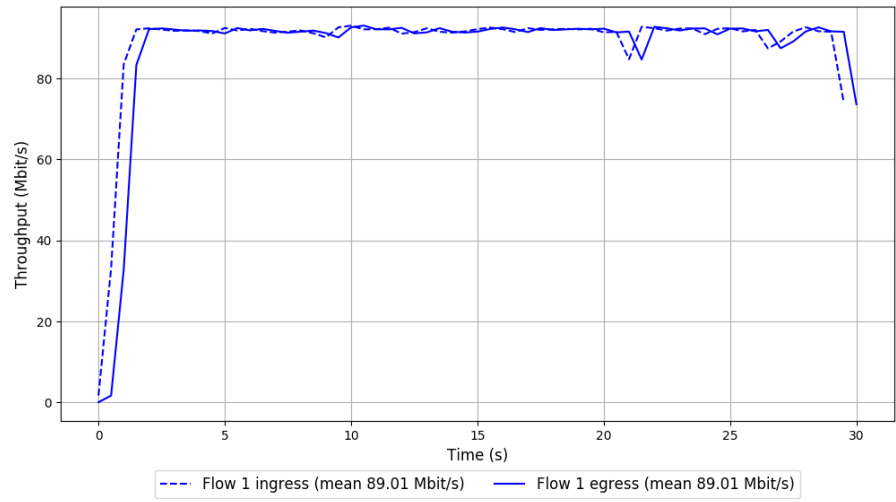


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 03:51:44
End at: 2018-07-18 03:52:14
Local clock offset: -0.003 ms
Remote clock offset: -1.496 ms

Below is generated by plot.py at 2018-07-18 04:44:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.02%

Run 9: Report of PCC-Vivace — Data Link

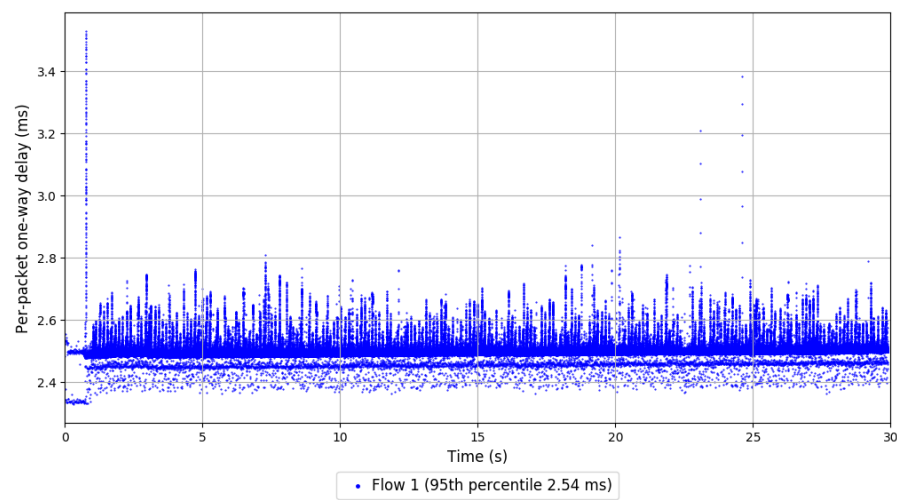
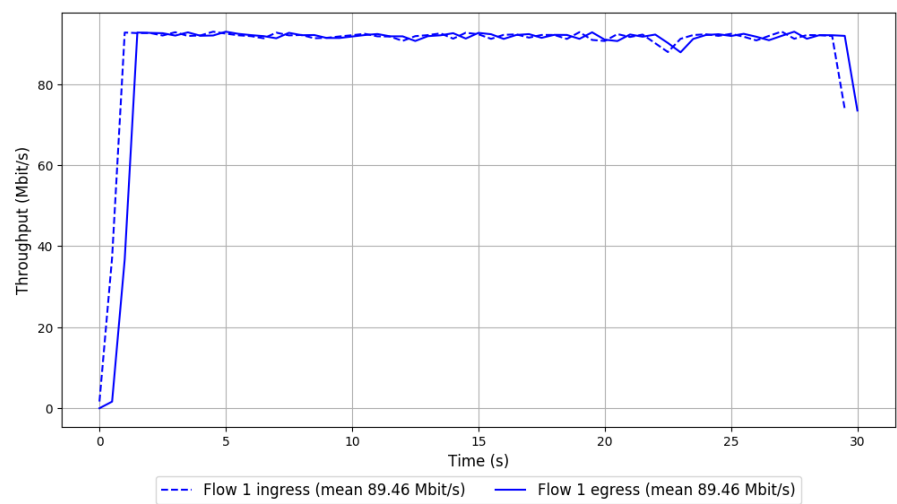


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 04:10:46
End at: 2018-07-18 04:11:16
Local clock offset: -5.011 ms
Remote clock offset: -2.477 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 2.544 ms
Loss rate: 0.02%

Run 10: Report of PCC-Vivace — Data Link

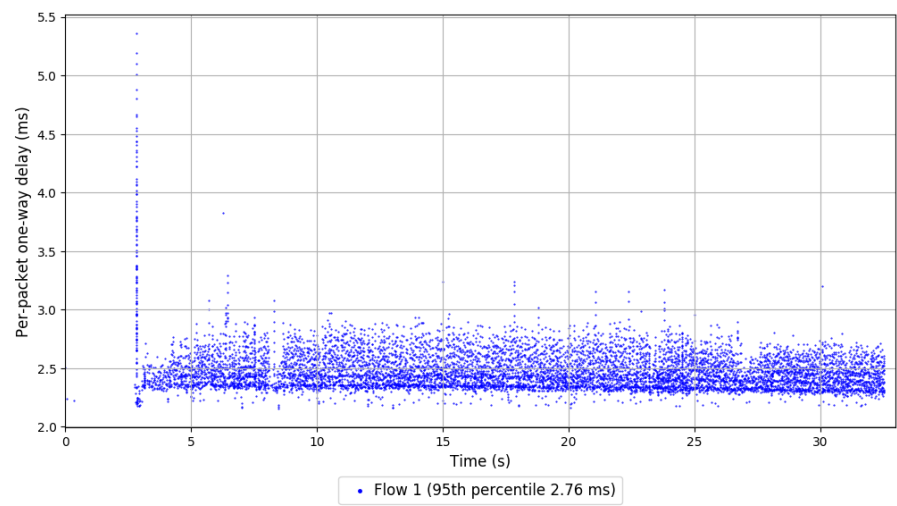
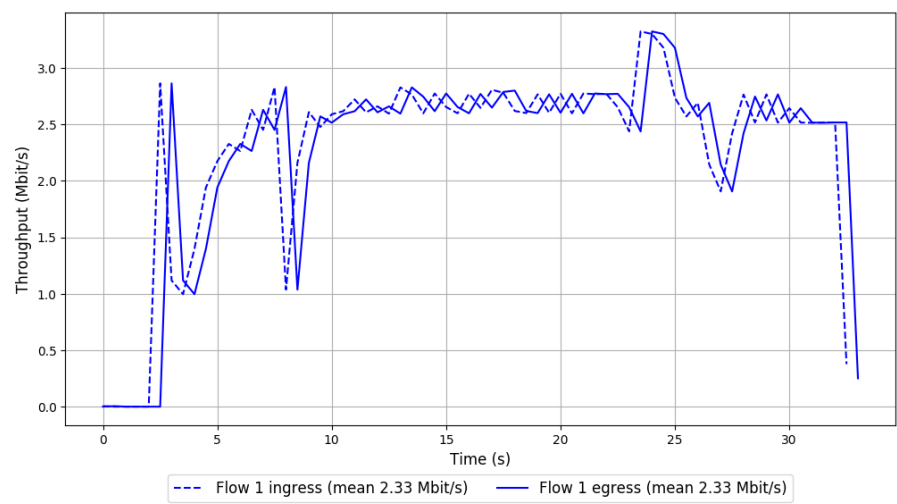


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 01:11:41
End at: 2018-07-18 01:12:11
Local clock offset: -6.432 ms
Remote clock offset: -9.695 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2.762 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2.762 ms
Loss rate: 0.08%

Run 1: Report of WebRTC media — Data Link

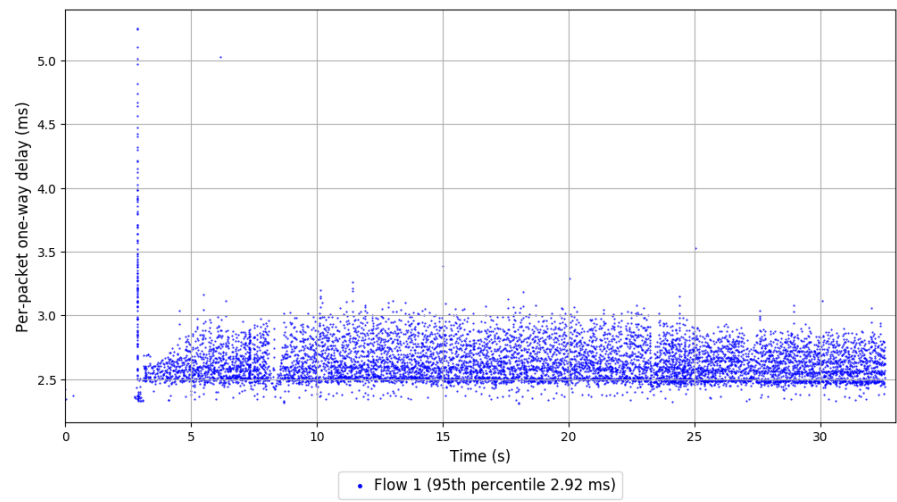
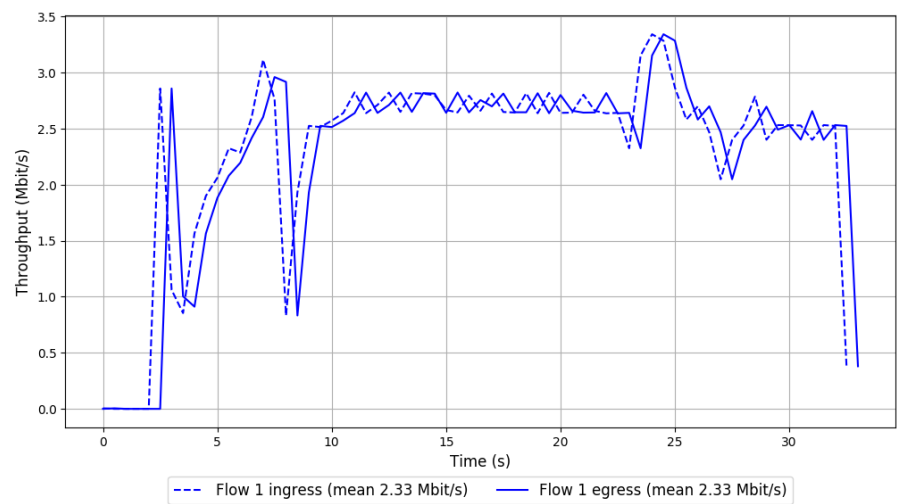


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 01:30:38
End at: 2018-07-18 01:31:08
Local clock offset: -6.181 ms
Remote clock offset: -7.503 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

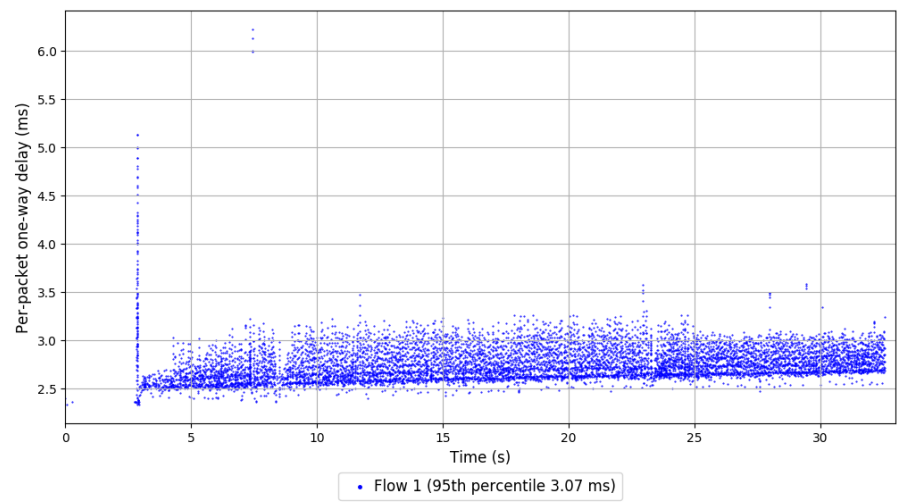
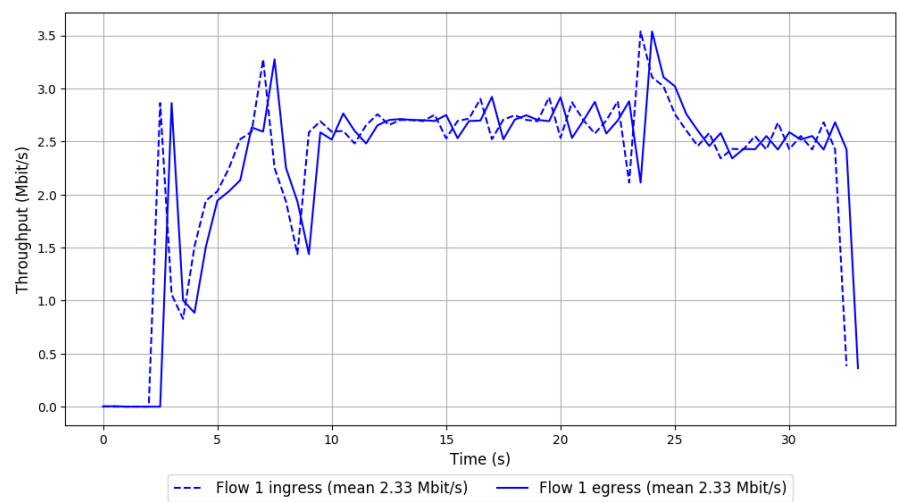


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 01:49:38
End at: 2018-07-18 01:50:08
Local clock offset: -5.886 ms
Remote clock offset: -6.324 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.066 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.066 ms
Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link

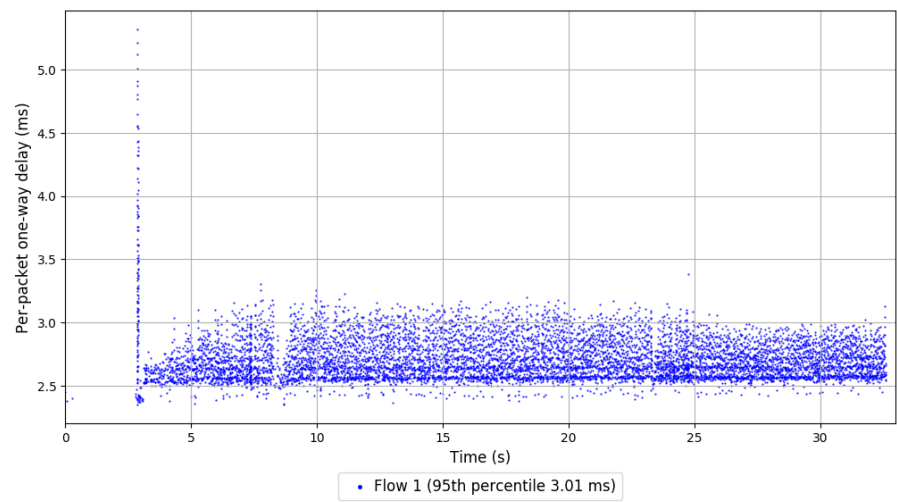
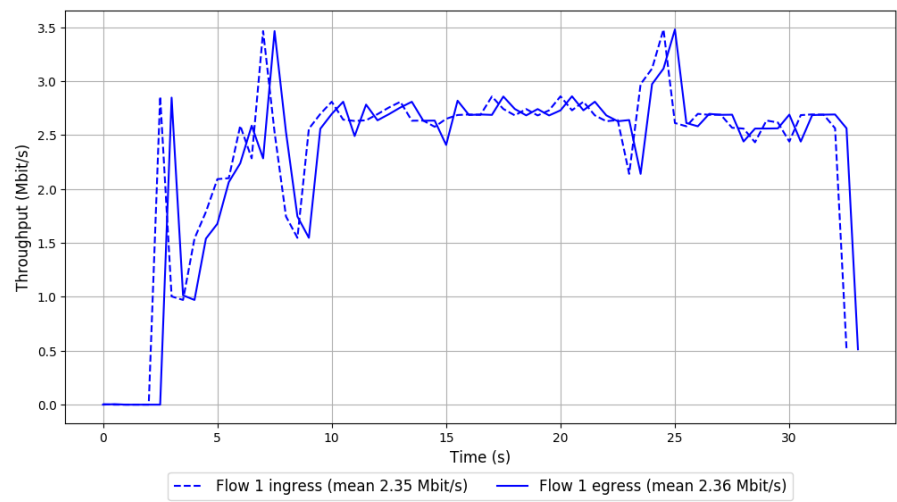


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 02:08:41
End at: 2018-07-18 02:09:11
Local clock offset: -5.806 ms
Remote clock offset: -3.273 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.014 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-18 02:27:44

End at: 2018-07-18 02:28:14

Local clock offset: -5.62 ms

Remote clock offset: -2.376 ms

Below is generated by plot.py at 2018-07-18 04:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.00%

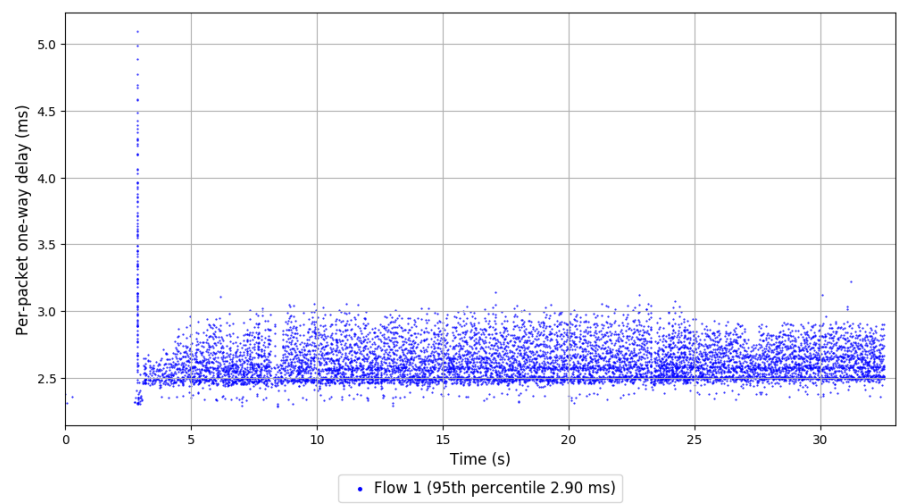
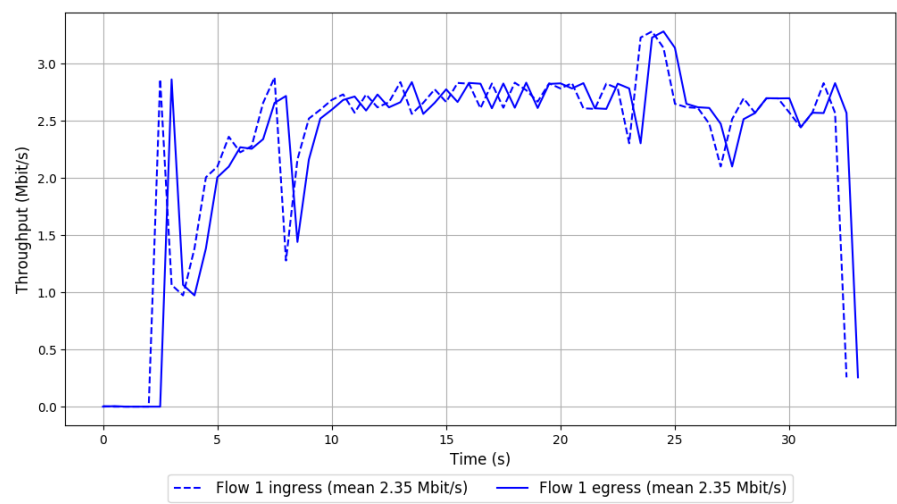
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

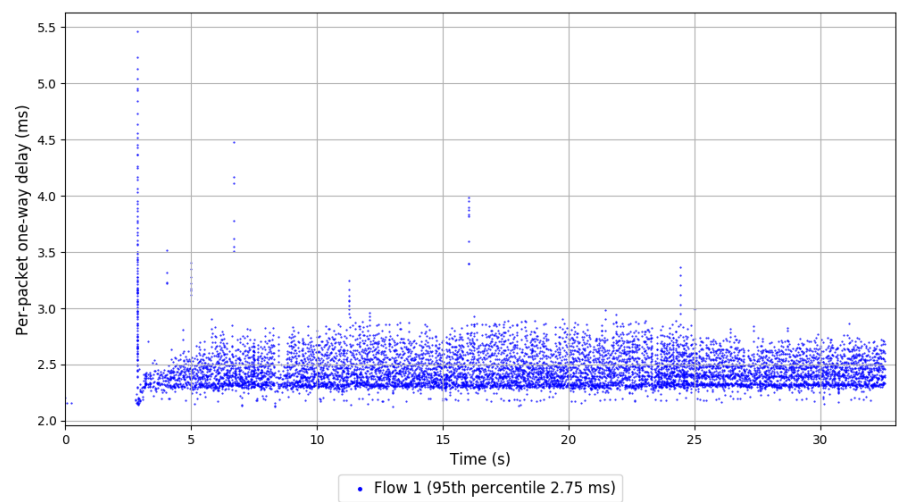
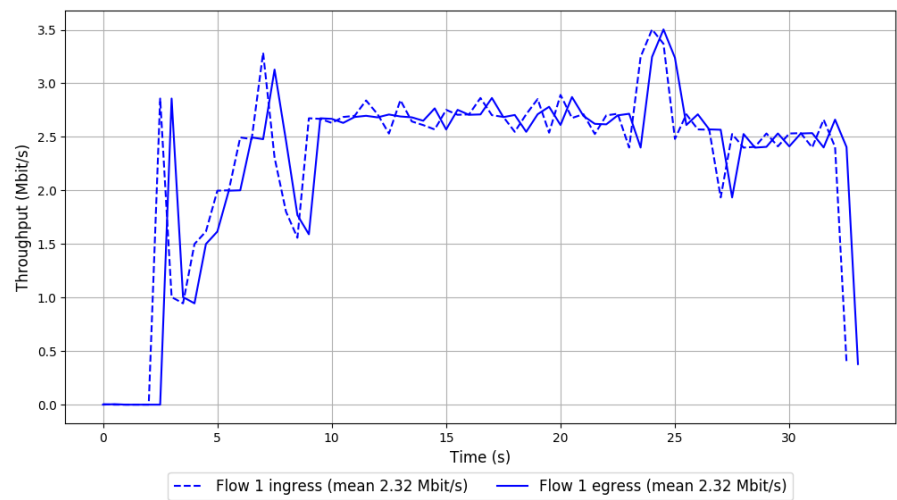


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 02:46:47
End at: 2018-07-18 02:47:17
Local clock offset: -5.706 ms
Remote clock offset: -1.785 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 2.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 2.745 ms
Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

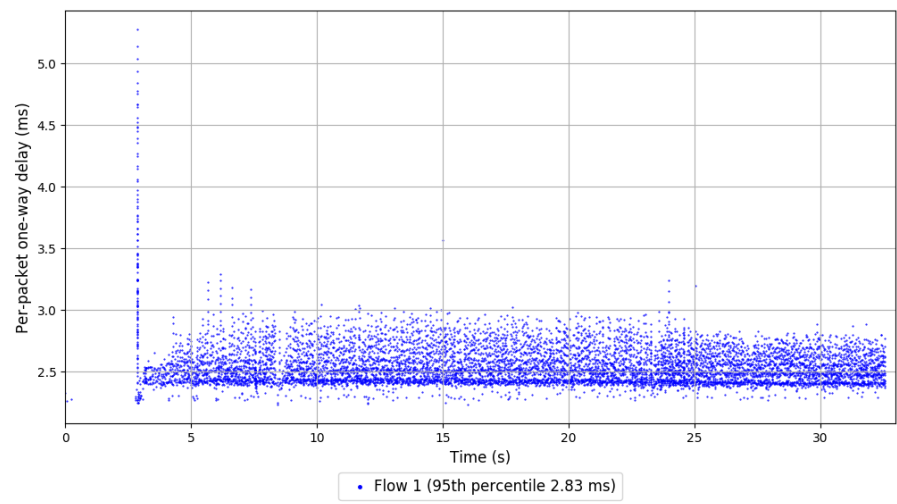
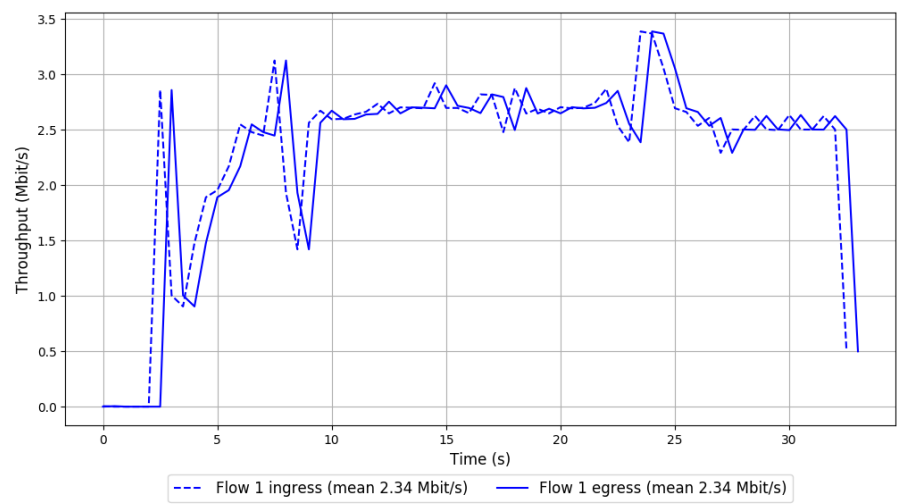


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 03:05:49
End at: 2018-07-18 03:06:19
Local clock offset: -5.51 ms
Remote clock offset: -2.239 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.831 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

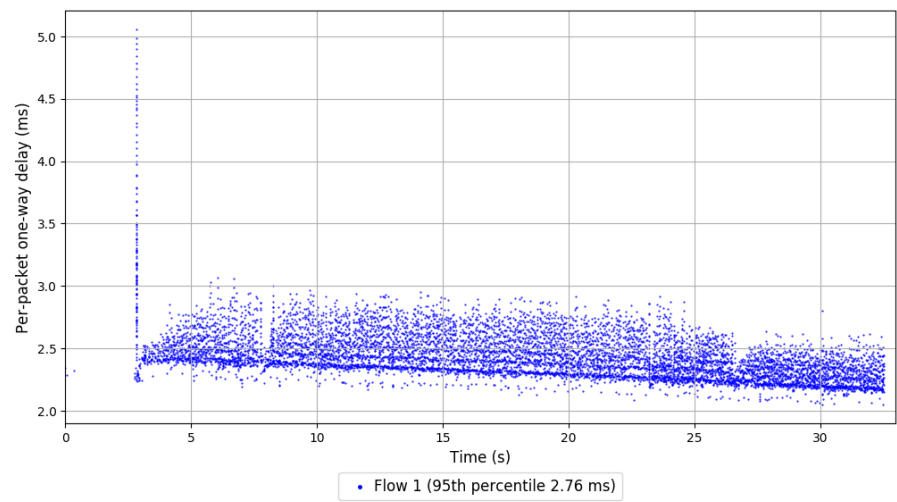
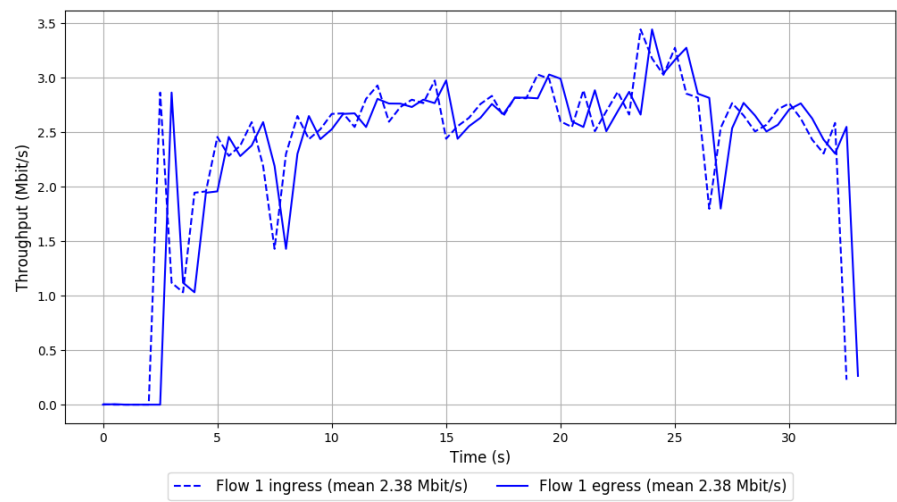


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 03:24:52
End at: 2018-07-18 03:25:22
Local clock offset: -5.343 ms
Remote clock offset: -2.471 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.761 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

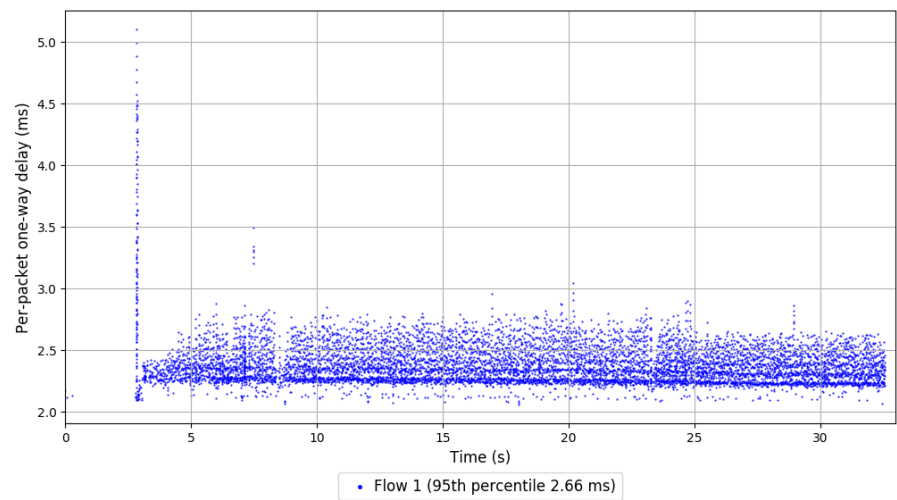
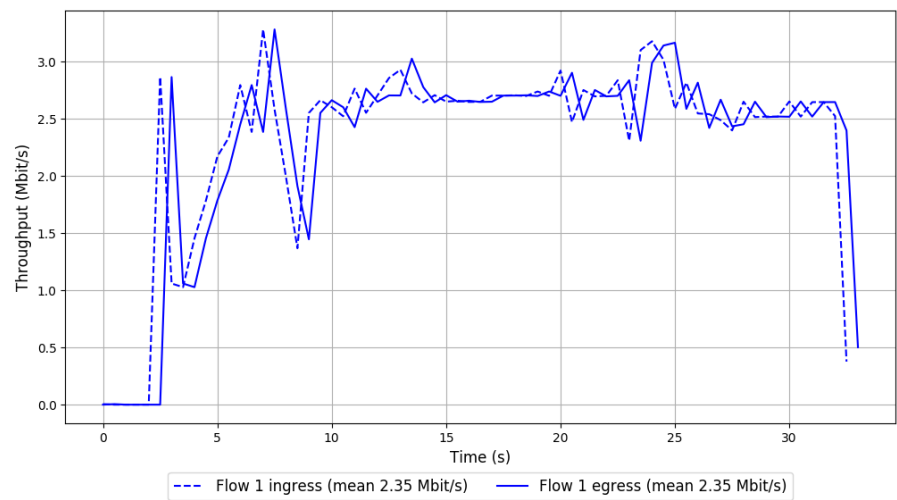


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 03:43:54
End at: 2018-07-18 03:44:24
Local clock offset: -0.839 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-07-18 04:44:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 2.661 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 04:02:57

End at: 2018-07-18 04:03:27

Local clock offset: -3.471 ms

Remote clock offset: -1.297 ms

Below is generated by plot.py at 2018-07-18 04:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

