

Pantheon Report

Generated at 2018-05-24 06:48:57 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

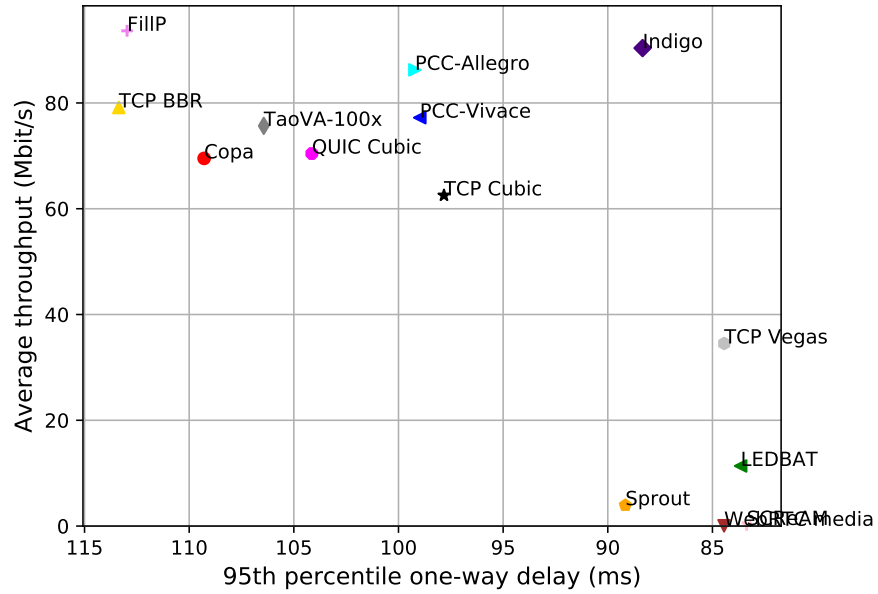
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

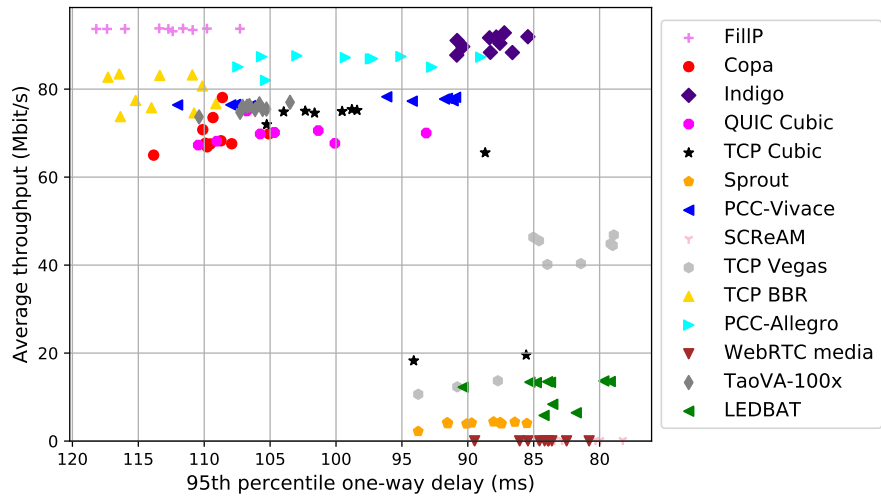
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	79.15	113.36	3.85
Copa	10	69.52	109.29	3.64
TCP Cubic	10	62.53	97.83	0.58
FillP	10	93.64	112.97	8.66
Indigo	10	90.38	88.34	1.12
LEDBAT	10	11.36	83.65	0.01
PCC-Allegro	10	86.26	99.21	1.45
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	70.43	104.14	0.43
SCReAM	10	0.21	83.37	0.00
Sprout	10	3.94	89.16	0.00
TaoVA-100x	10	75.67	106.44	0.54
TCP Vegas	10	34.52	84.44	0.55
Verus	0	N/A	N/A	N/A
PCC-Vivace	10	77.22	98.98	0.08
WebRTC media	10	0.05	84.44	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 03:45:30

End at: 2018-05-24 03:46:00

Local clock offset: -6.741 ms

Remote clock offset: 3.486 ms

Below is generated by plot.py at 2018-05-24 06:35:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 109.114 ms

Loss rate: 4.40%

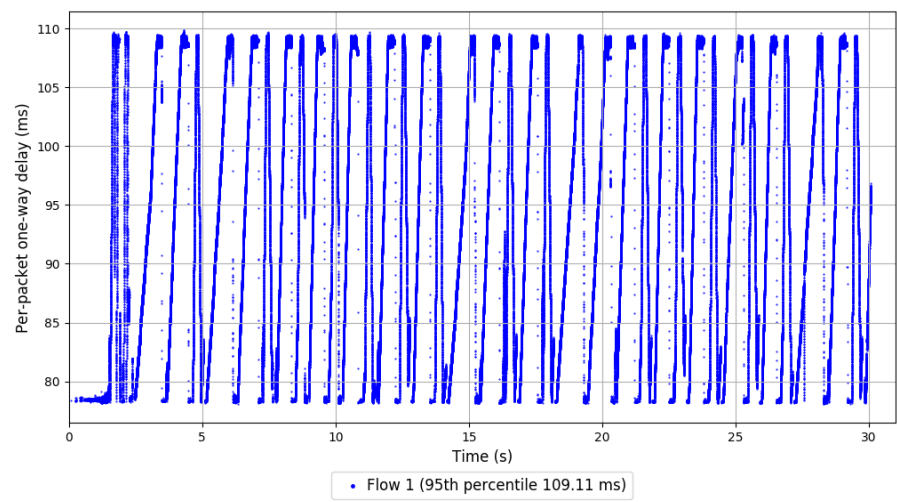
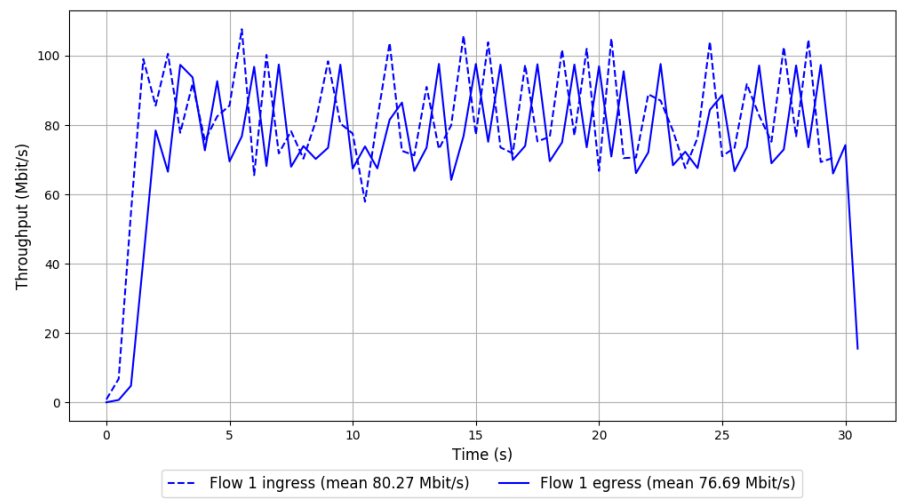
-- Flow 1:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 109.114 ms

Loss rate: 4.40%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-24 04:03:58

End at: 2018-05-24 04:04:28

Local clock offset: -6.365 ms

Remote clock offset: 4.625 ms

Below is generated by plot.py at 2018-05-24 06:35:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 110.143 ms

Loss rate: 4.69%

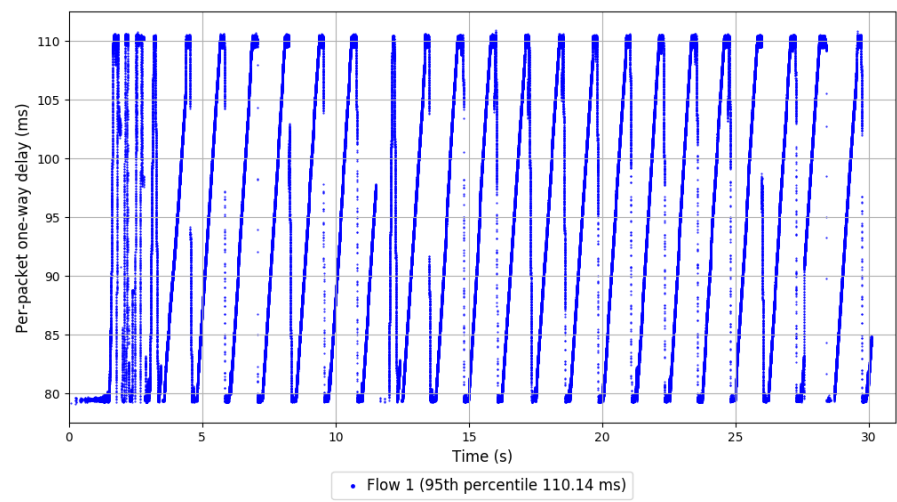
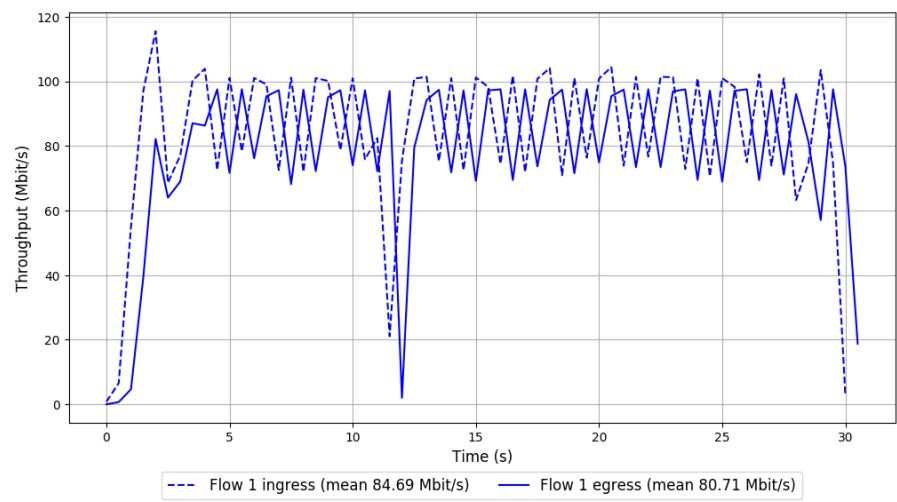
-- Flow 1:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 110.143 ms

Loss rate: 4.69%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-24 04:22:23

End at: 2018-05-24 04:22:53

Local clock offset: -7.025 ms

Remote clock offset: 4.04 ms

Below is generated by plot.py at 2018-05-24 06:35:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 117.302 ms

Loss rate: 4.02%

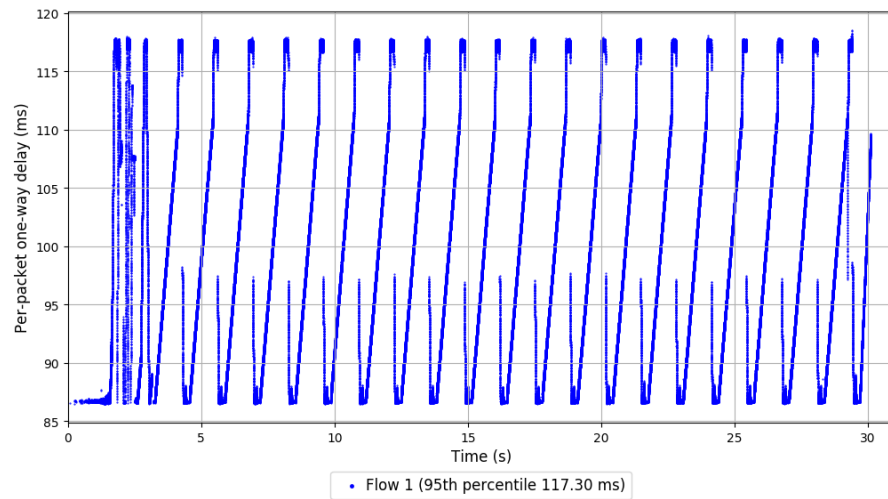
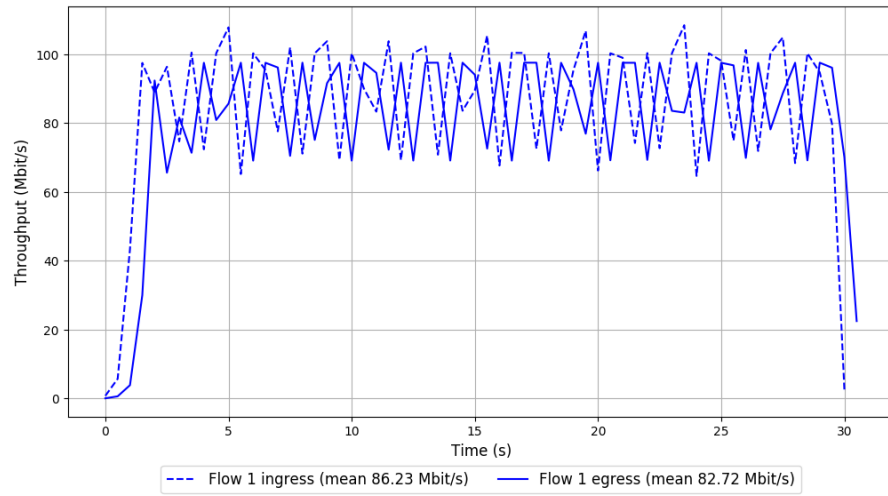
-- Flow 1:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 117.302 ms

Loss rate: 4.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 04:40:53

End at: 2018-05-24 04:41:23

Local clock offset: -6.347 ms

Remote clock offset: 2.775 ms

Below is generated by plot.py at 2018-05-24 06:35:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 110.900 ms

Loss rate: 4.38%

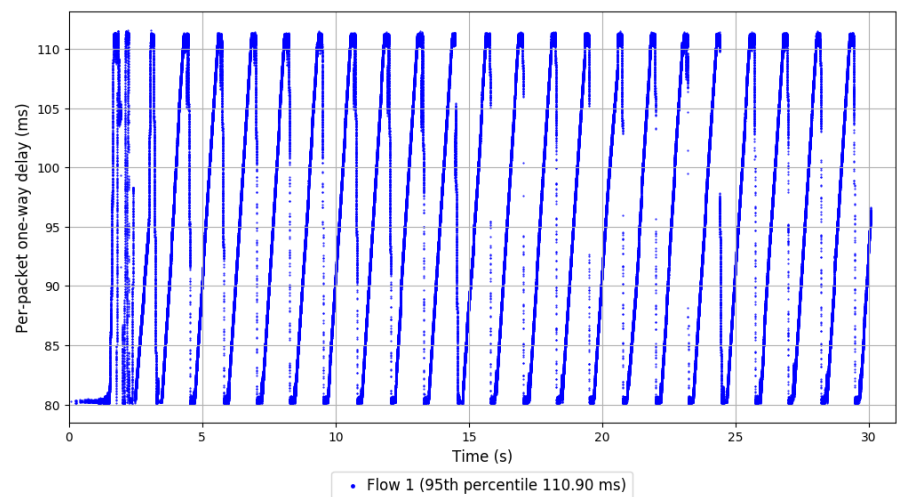
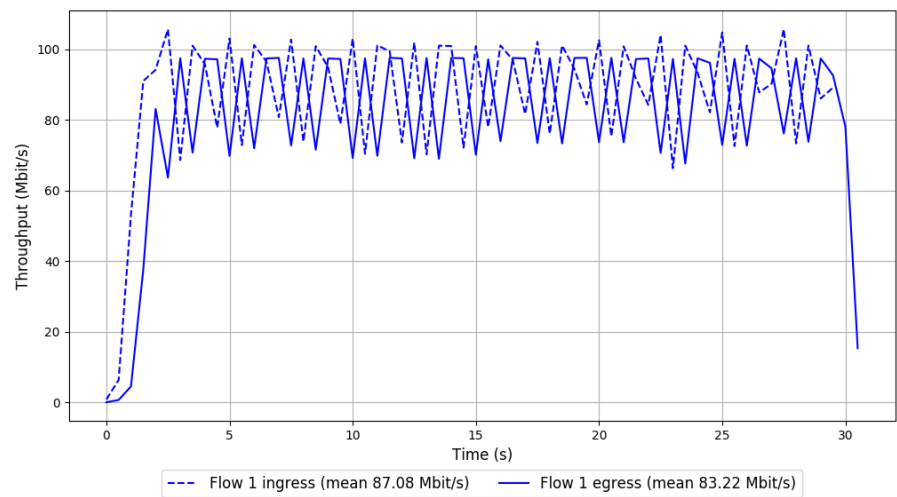
-- Flow 1:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 110.900 ms

Loss rate: 4.38%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 04:59:22

End at: 2018-05-24 04:59:52

Local clock offset: -5.827 ms

Remote clock offset: 8.721 ms

Below is generated by plot.py at 2018-05-24 06:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 116.447 ms

Loss rate: 3.90%

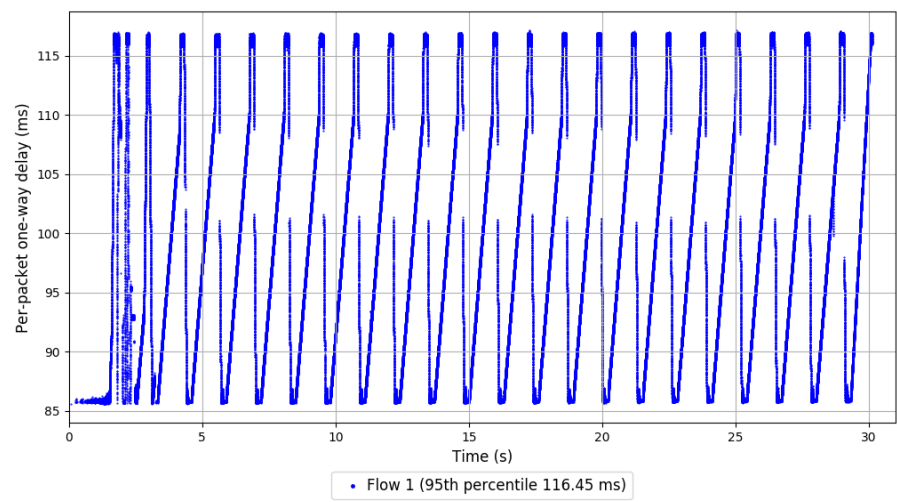
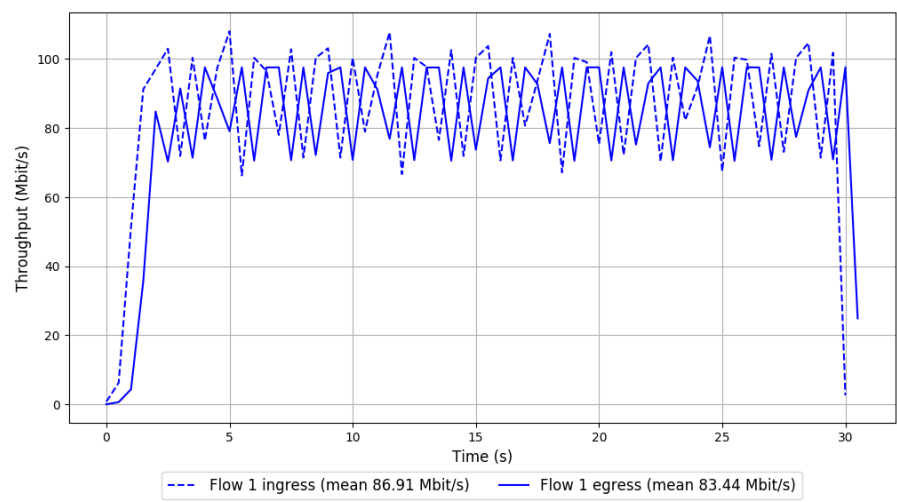
-- Flow 1:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 116.447 ms

Loss rate: 3.90%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 05:17:50

End at: 2018-05-24 05:18:20

Local clock offset: -1.333 ms

Remote clock offset: 5.706 ms

Below is generated by plot.py at 2018-05-24 06:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 116.360 ms

Loss rate: 3.44%

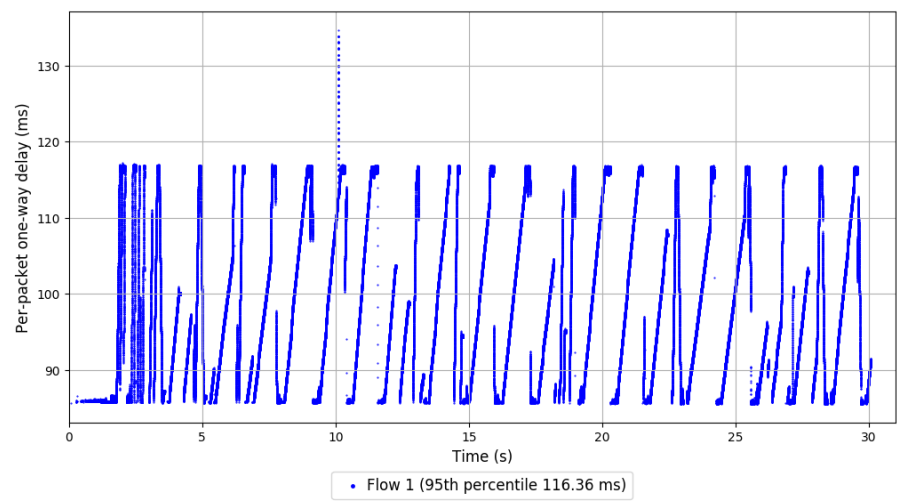
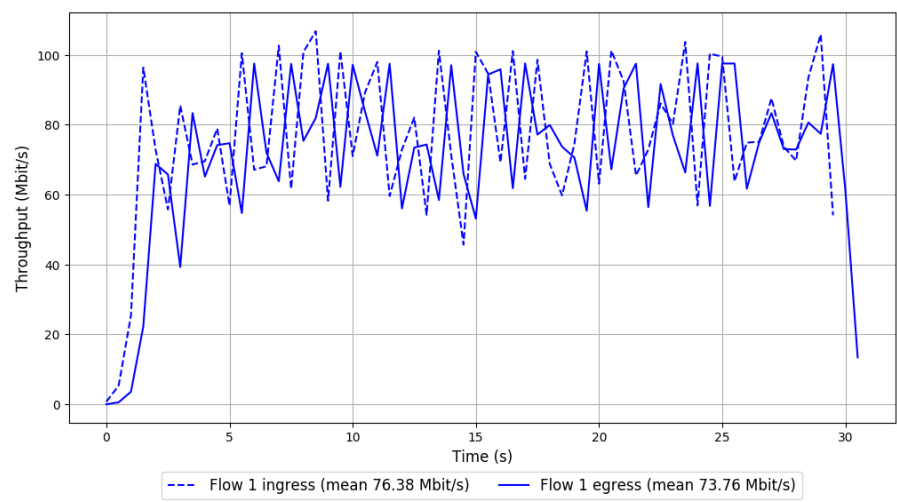
-- Flow 1:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 116.360 ms

Loss rate: 3.44%

Run 6: Report of TCP BBR — Data Link

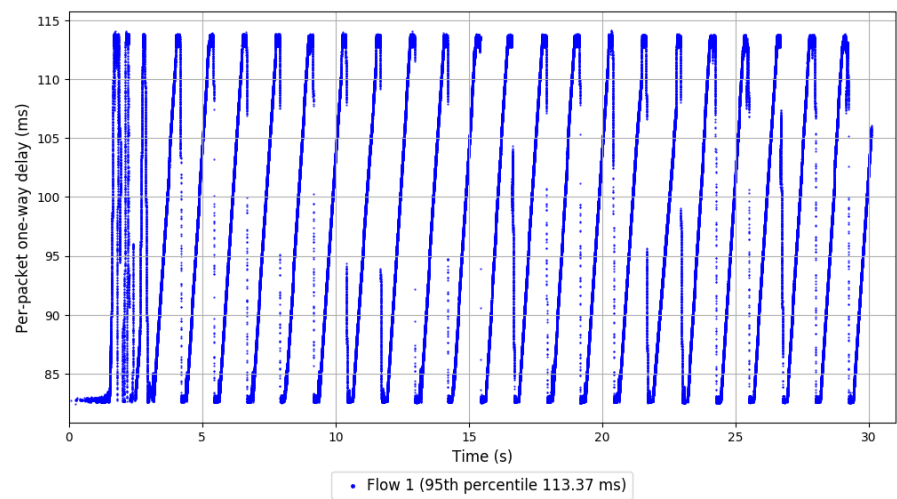
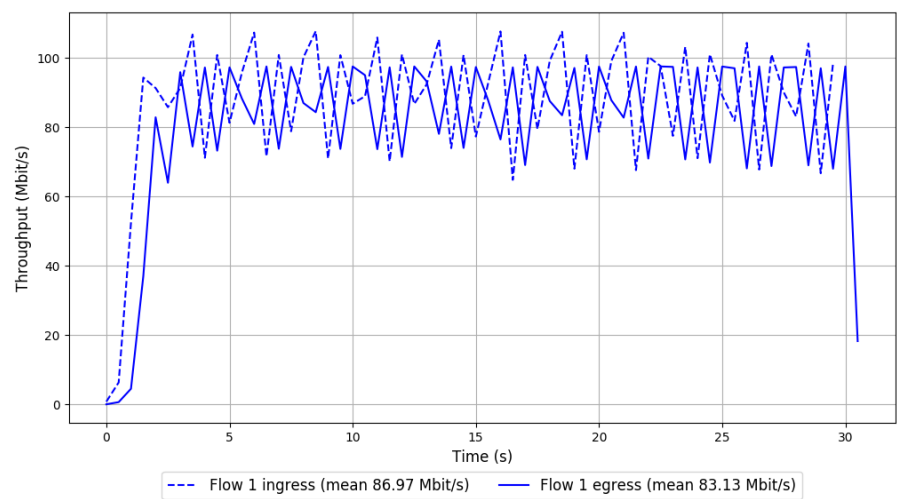


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 05:36:17
End at: 2018-05-24 05:36:47
Local clock offset: -1.479 ms
Remote clock offset: 14.298 ms

Below is generated by plot.py at 2018-05-24 06:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 113.372 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 113.372 ms
Loss rate: 4.35%

Run 7: Report of TCP BBR — Data Link

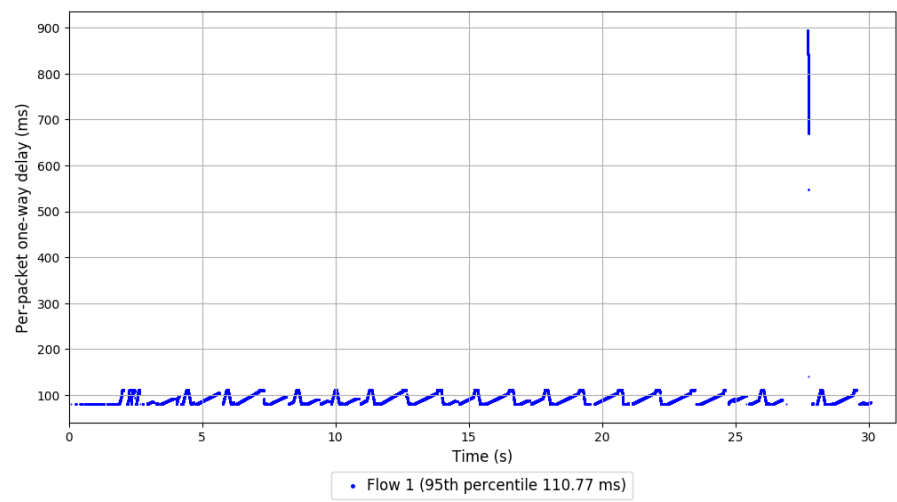
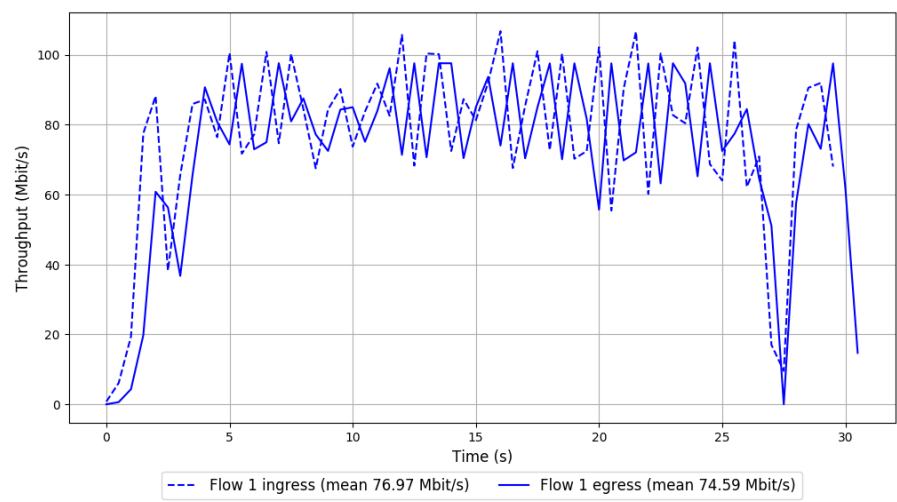


Run 8: Statistics of TCP BBR

Start at: 2018-05-24 05:54:46
End at: 2018-05-24 05:55:16
Local clock offset: -1.369 ms
Remote clock offset: 12.295 ms

Below is generated by plot.py at 2018-05-24 06:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.59 Mbit/s
95th percentile per-packet one-way delay: 110.768 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 74.59 Mbit/s
95th percentile per-packet one-way delay: 110.768 ms
Loss rate: 3.08%

Run 8: Report of TCP BBR — Data Link

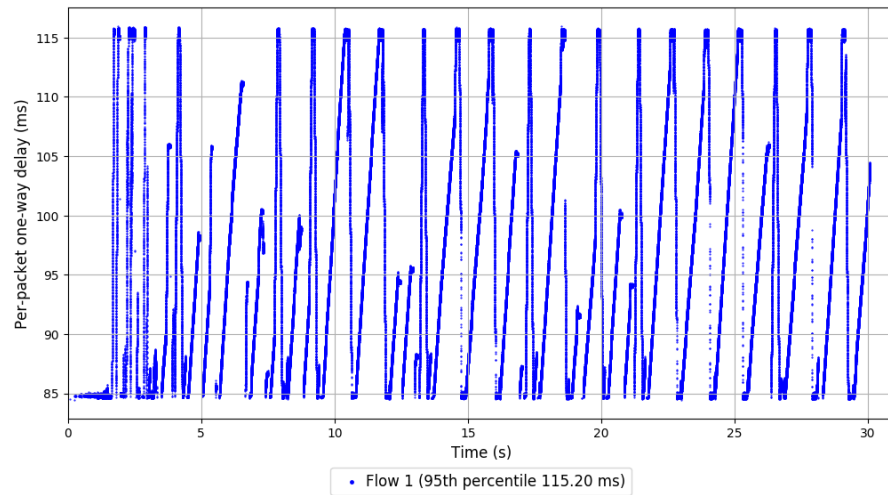
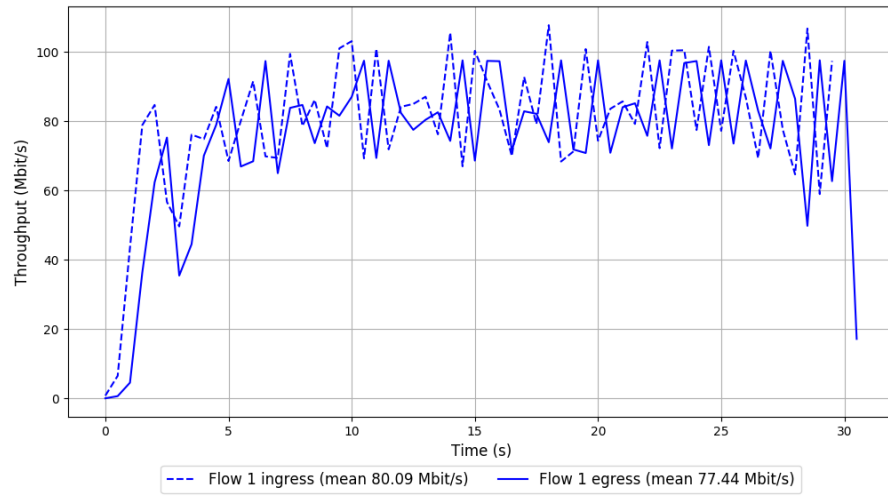


Run 9: Statistics of TCP BBR

Start at: 2018-05-24 06:13:15
End at: 2018-05-24 06:13:45
Local clock offset: -8.089 ms
Remote clock offset: 18.483 ms

Below is generated by plot.py at 2018-05-24 06:36:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 115.204 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 115.204 ms
Loss rate: 3.25%

Run 9: Report of TCP BBR — Data Link

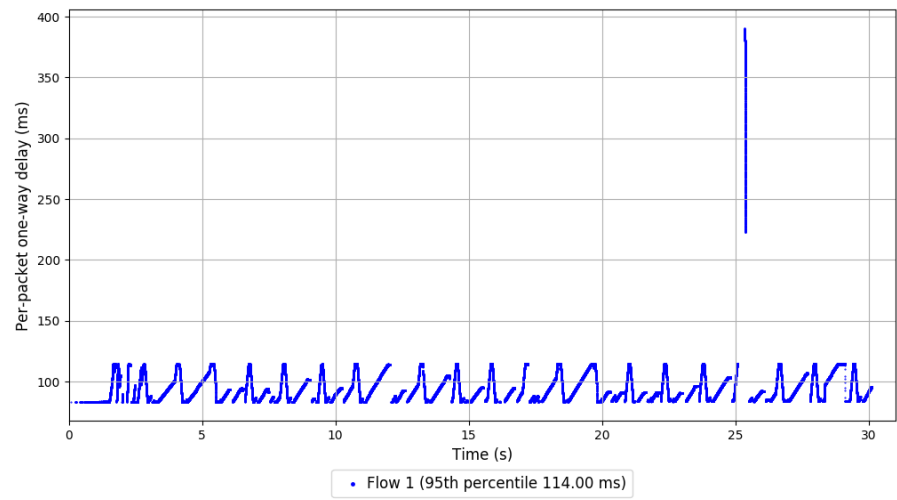
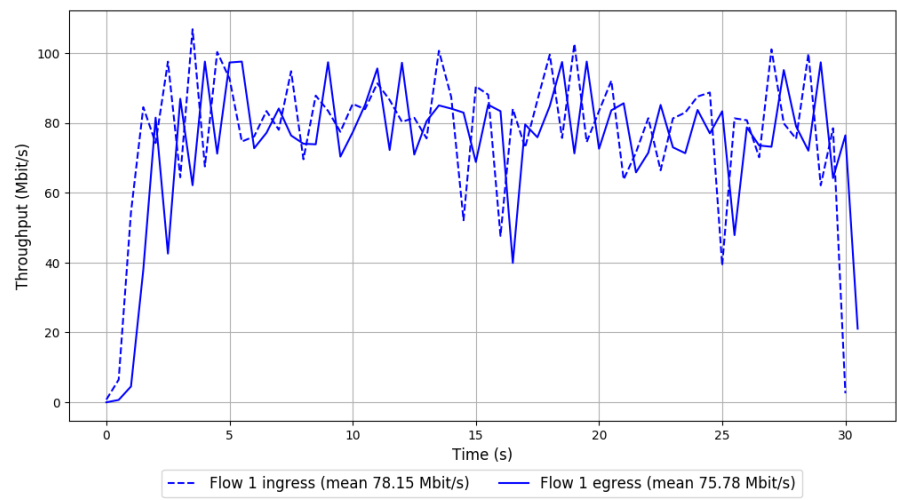


Run 10: Statistics of TCP BBR

Start at: 2018-05-24 06:31:44
End at: 2018-05-24 06:32:15
Local clock offset: -5.165 ms
Remote clock offset: 12.668 ms

Below is generated by plot.py at 2018-05-24 06:36:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 114.003 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 114.003 ms
Loss rate: 2.98%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-24 03:32:48

End at: 2018-05-24 03:33:18

Local clock offset: -3.313 ms

Remote clock offset: 2.651 ms

Below is generated by plot.py at 2018-05-24 06:36:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.26 Mbit/s

95th percentile per-packet one-way delay: 108.728 ms

Loss rate: 3.28%

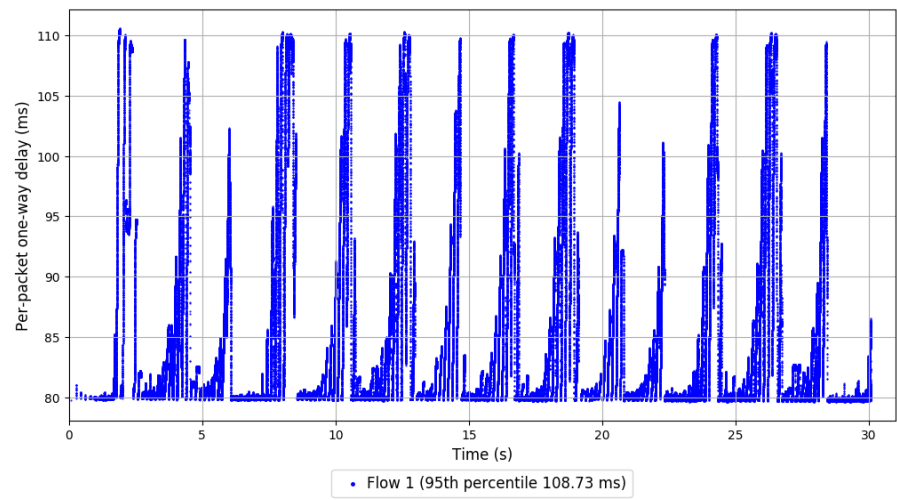
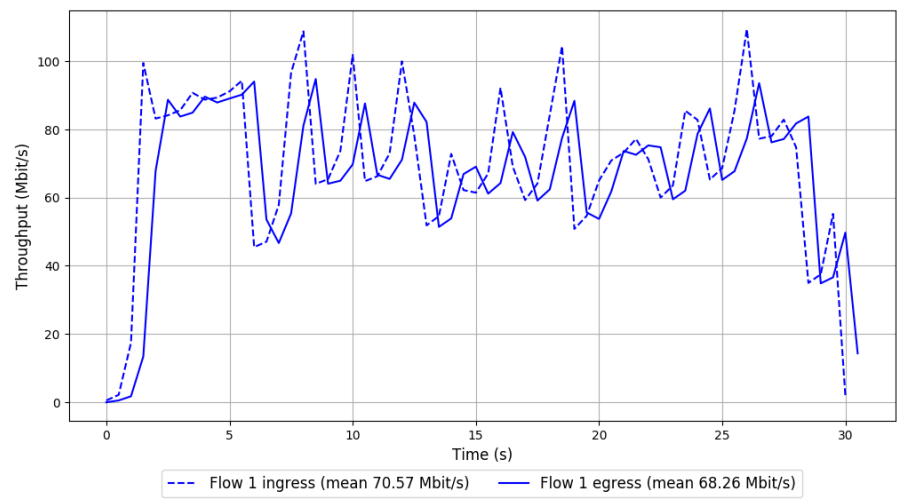
-- Flow 1:

Average throughput: 68.26 Mbit/s

95th percentile per-packet one-way delay: 108.728 ms

Loss rate: 3.28%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-24 03:51:15

End at: 2018-05-24 03:51:45

Local clock offset: -6.524 ms

Remote clock offset: 4.946 ms

Below is generated by plot.py at 2018-05-24 06:36:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 107.914 ms

Loss rate: 3.24%

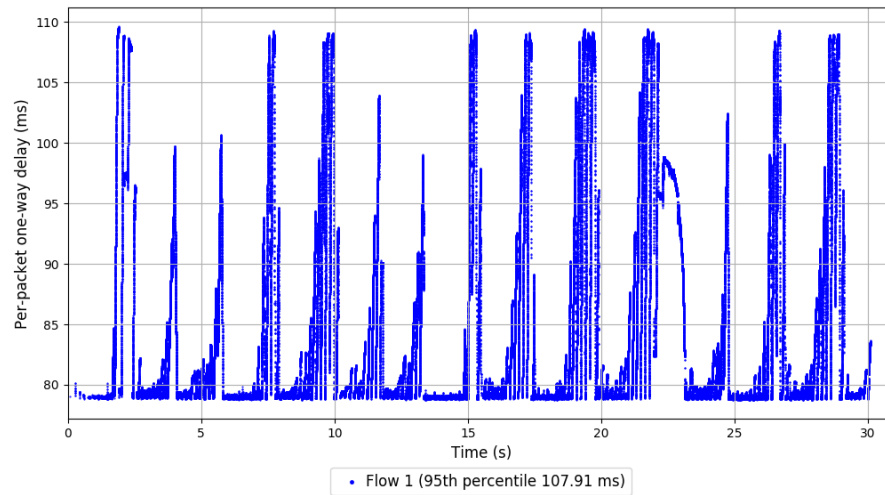
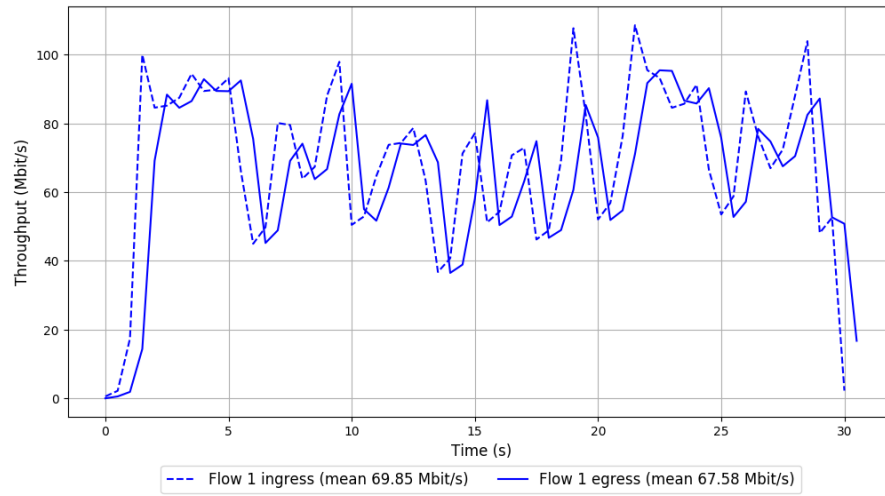
-- Flow 1:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 107.914 ms

Loss rate: 3.24%

Run 2: Report of Copa — Data Link

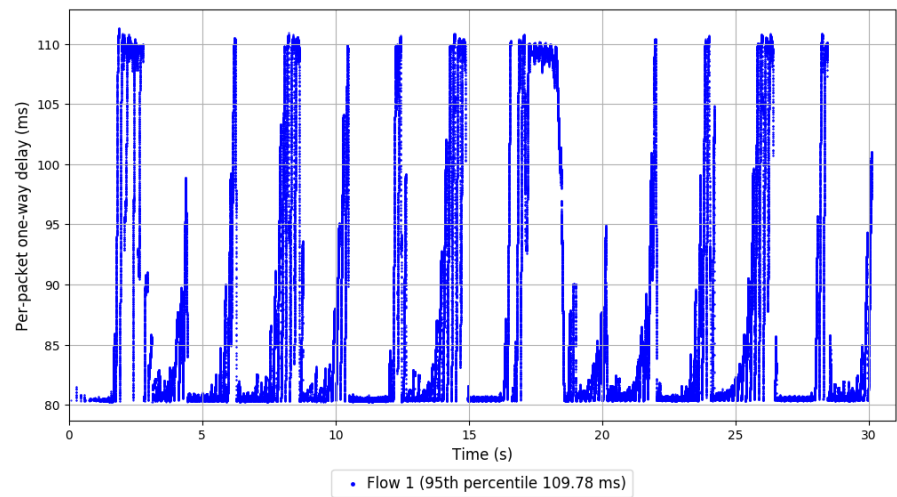
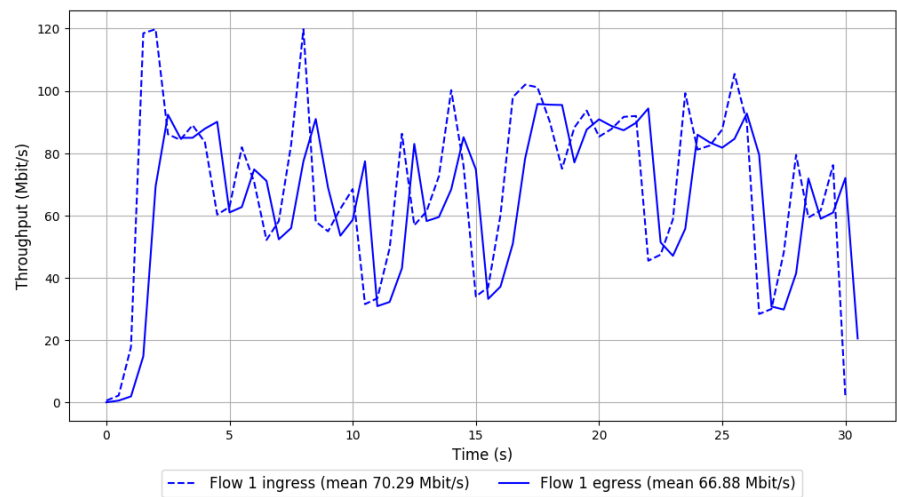


Run 3: Statistics of Copa

Start at: 2018-05-24 04:09:42
End at: 2018-05-24 04:10:12
Local clock offset: -6.968 ms
Remote clock offset: 5.367 ms

Below is generated by plot.py at 2018-05-24 06:36:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 109.782 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 109.782 ms
Loss rate: 4.80%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-24 04:28:09

End at: 2018-05-24 04:28:39

Local clock offset: -6.121 ms

Remote clock offset: 3.731 ms

Below is generated by plot.py at 2018-05-24 06:37:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.53 Mbit/s

95th percentile per-packet one-way delay: 109.335 ms

Loss rate: 3.67%

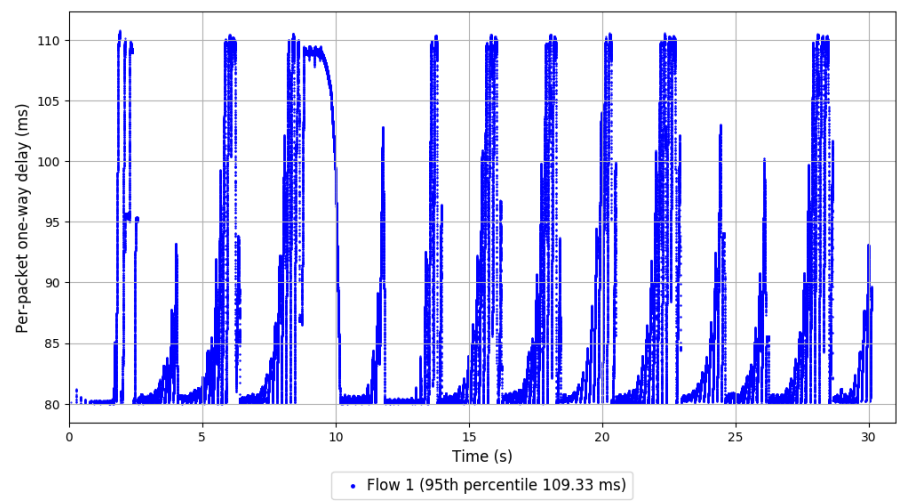
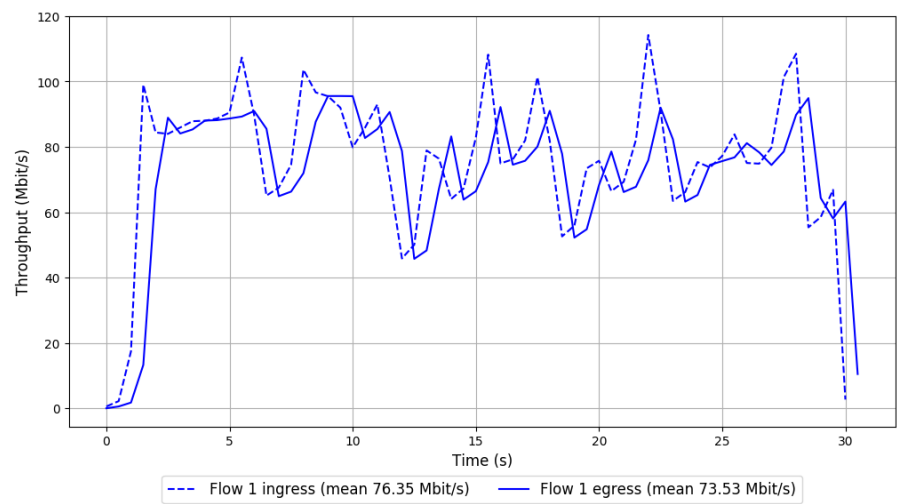
-- Flow 1:

Average throughput: 73.53 Mbit/s

95th percentile per-packet one-way delay: 109.335 ms

Loss rate: 3.67%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-24 04:46:39

End at: 2018-05-24 04:47:09

Local clock offset: -7.126 ms

Remote clock offset: 4.213 ms

Below is generated by plot.py at 2018-05-24 06:37:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.53 Mbit/s

95th percentile per-packet one-way delay: 109.538 ms

Loss rate: 4.29%

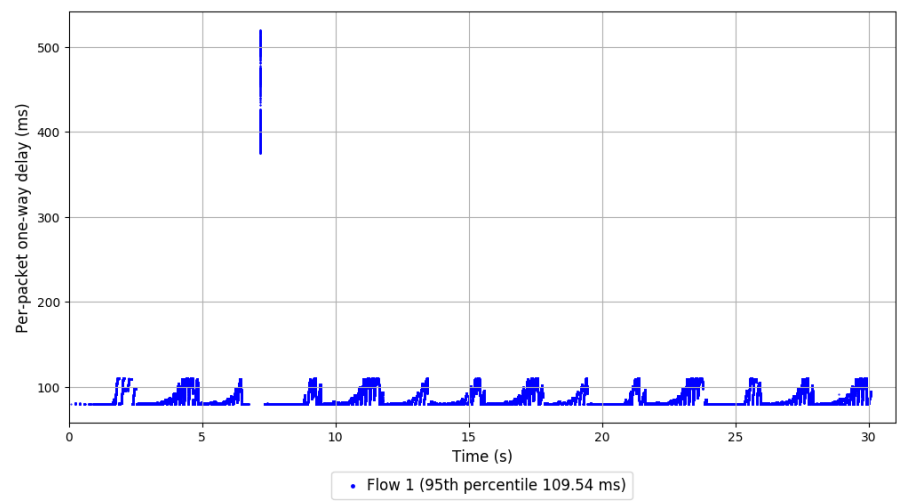
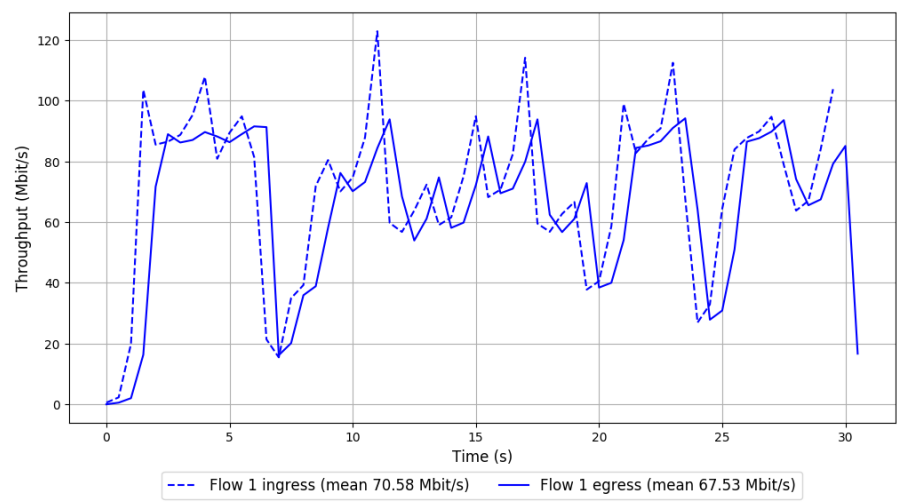
-- Flow 1:

Average throughput: 67.53 Mbit/s

95th percentile per-packet one-way delay: 109.538 ms

Loss rate: 4.29%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

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

End at: 2018-05-24 05:05:37

Local clock offset: -3.645 ms

Remote clock offset: 8.048 ms

Below is generated by plot.py at 2018-05-24 06:37:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.99 Mbit/s

95th percentile per-packet one-way delay: 113.838 ms

Loss rate: 5.39%

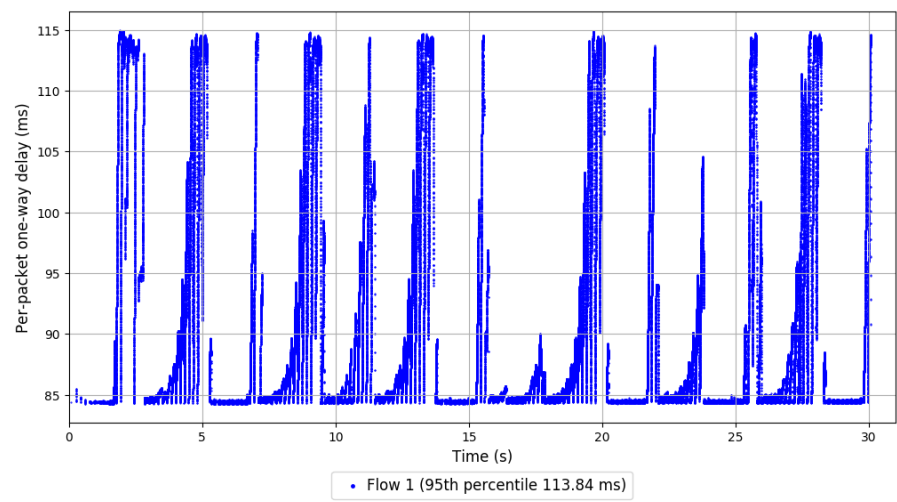
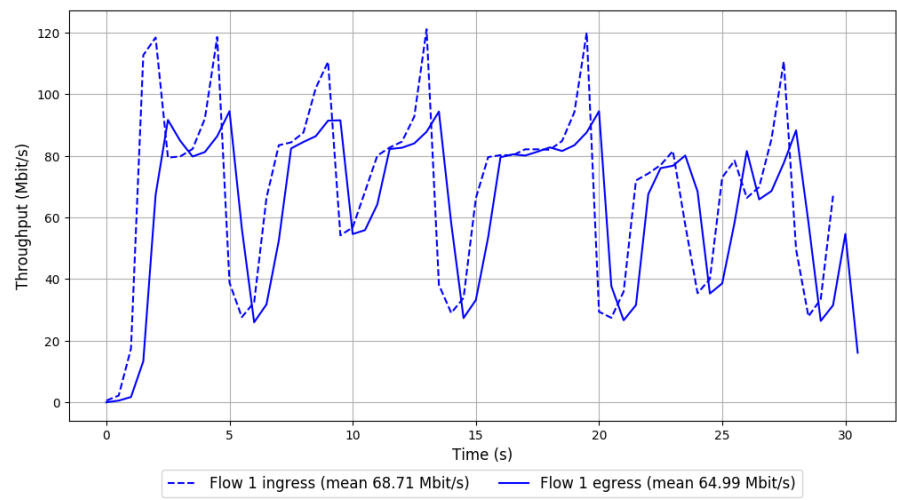
-- Flow 1:

Average throughput: 64.99 Mbit/s

95th percentile per-packet one-way delay: 113.838 ms

Loss rate: 5.39%

Run 6: Report of Copa — Data Link

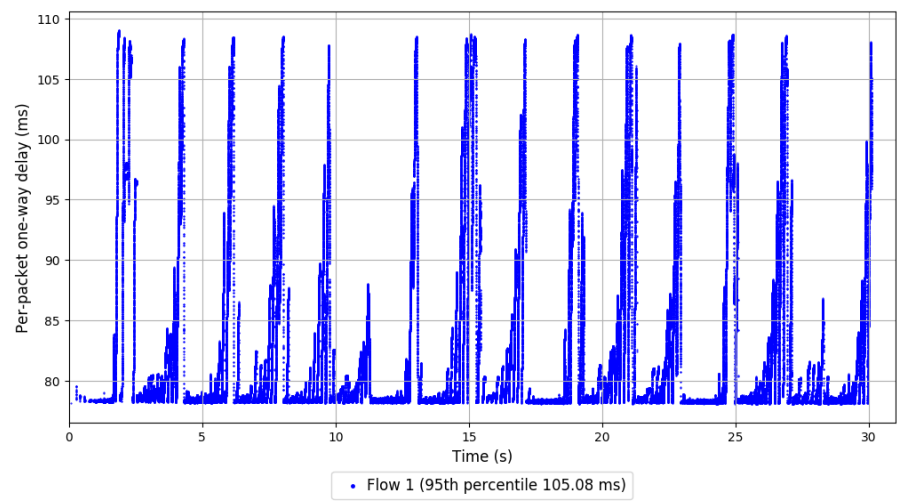
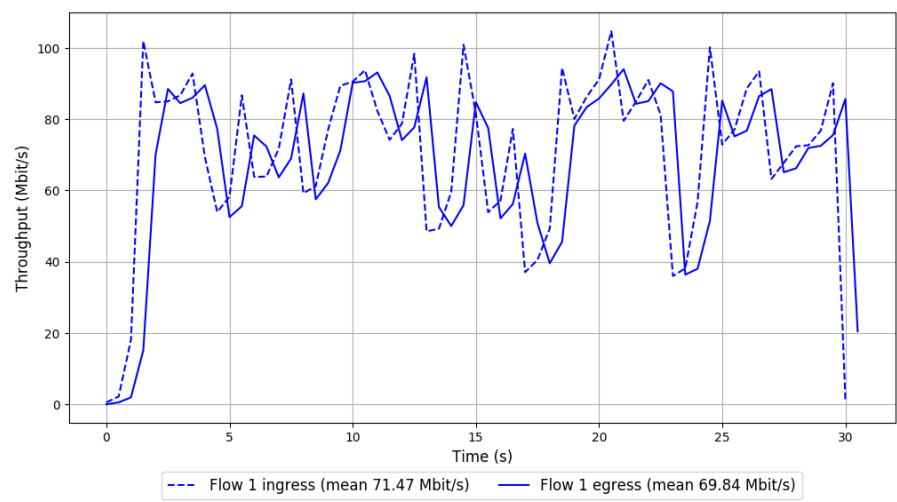


Run 7: Statistics of Copa

Start at: 2018-05-24 05:23:34
End at: 2018-05-24 05:24:04
Local clock offset: -0.966 ms
Remote clock offset: 8.028 ms

Below is generated by plot.py at 2018-05-24 06:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 105.085 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 105.085 ms
Loss rate: 2.22%

Run 7: Report of Copa — Data Link

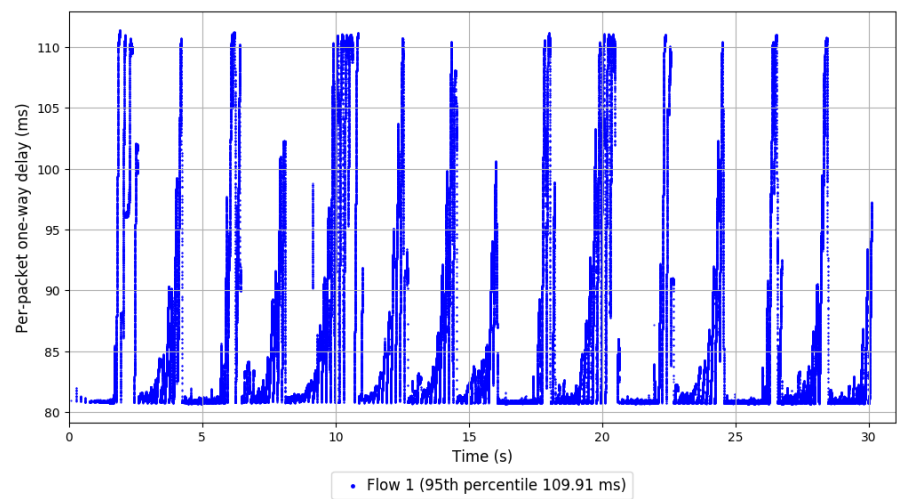
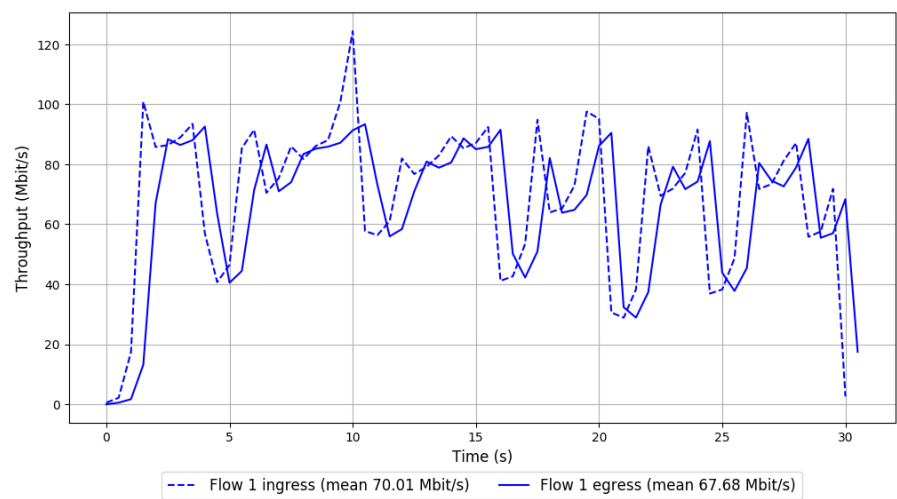


Run 8: Statistics of Copa

Start at: 2018-05-24 05:42:03
End at: 2018-05-24 05:42:33
Local clock offset: -2.296 ms
Remote clock offset: 11.007 ms

Below is generated by plot.py at 2018-05-24 06:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 109.911 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 109.911 ms
Loss rate: 3.29%

Run 8: Report of Copa — Data Link

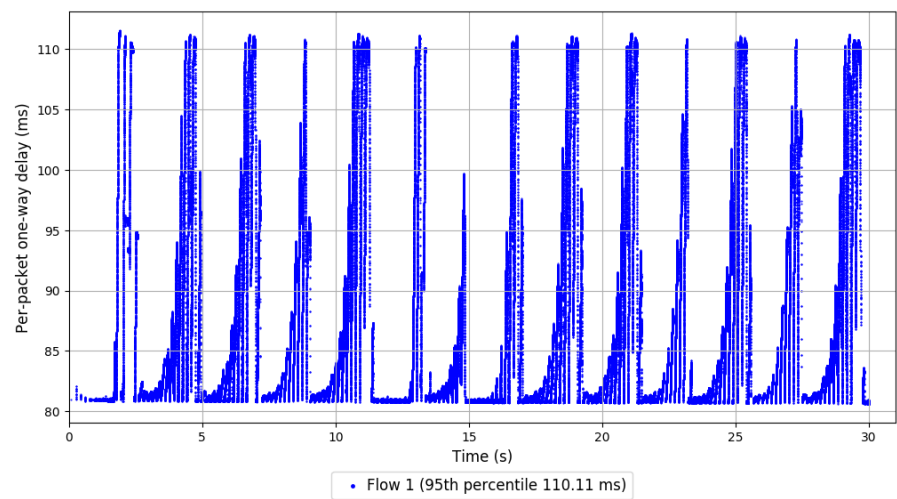
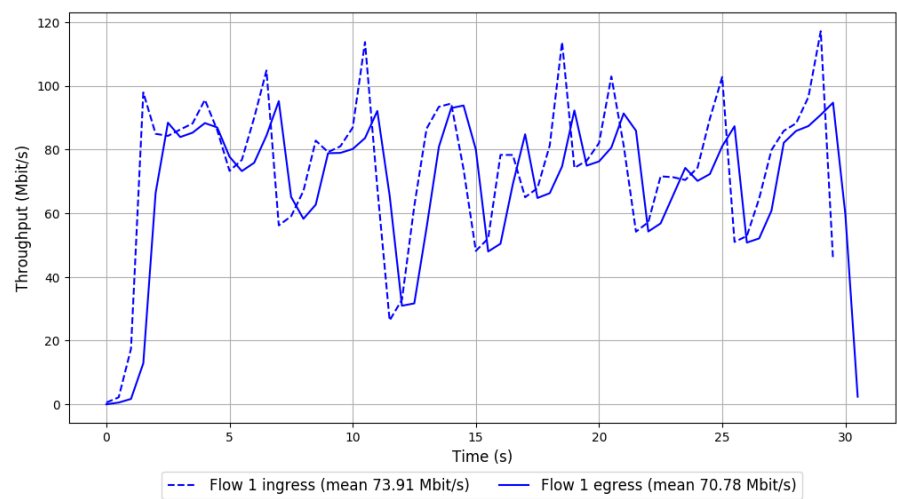


Run 9: Statistics of Copa

Start at: 2018-05-24 06:00:31
End at: 2018-05-24 06:01:01
Local clock offset: -4.392 ms
Remote clock offset: 11.914 ms

Below is generated by plot.py at 2018-05-24 06:38:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.78 Mbit/s
95th percentile per-packet one-way delay: 110.110 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 70.78 Mbit/s
95th percentile per-packet one-way delay: 110.110 ms
Loss rate: 4.23%

Run 9: Report of Copa — Data Link

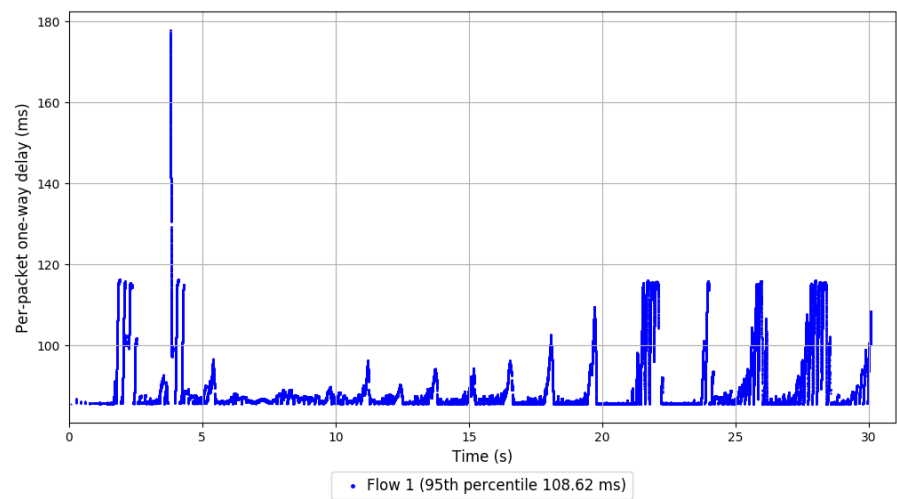
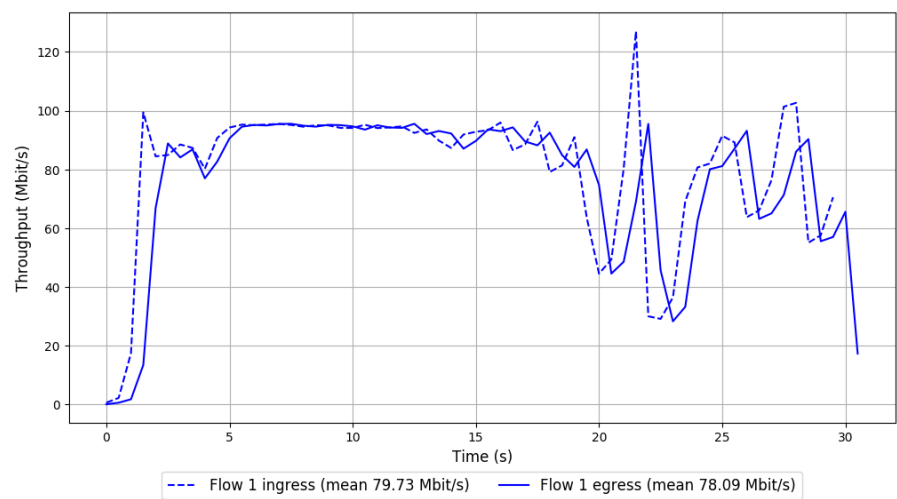


Run 10: Statistics of Copa

Start at: 2018-05-24 06:19:00
End at: 2018-05-24 06:19:30
Local clock offset: -8.685 ms
Remote clock offset: 18.799 ms

Below is generated by plot.py at 2018-05-24 06:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 108.622 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 78.09 Mbit/s
95th percentile per-packet one-way delay: 108.622 ms
Loss rate: 2.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 03:38:35

End at: 2018-05-24 03:39:05

Local clock offset: -6.549 ms

Remote clock offset: 6.463 ms

Below is generated by plot.py at 2018-05-24 06:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.26 Mbit/s

95th percentile per-packet one-way delay: 94.105 ms

Loss rate: 1.22%

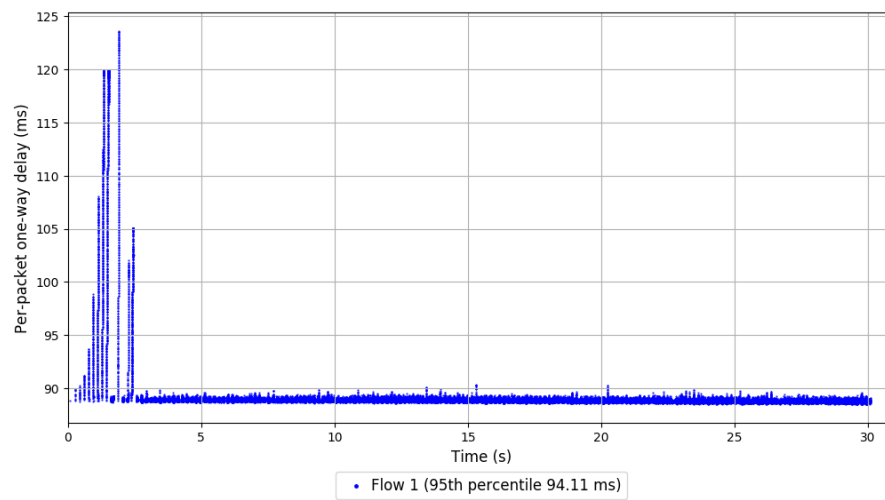
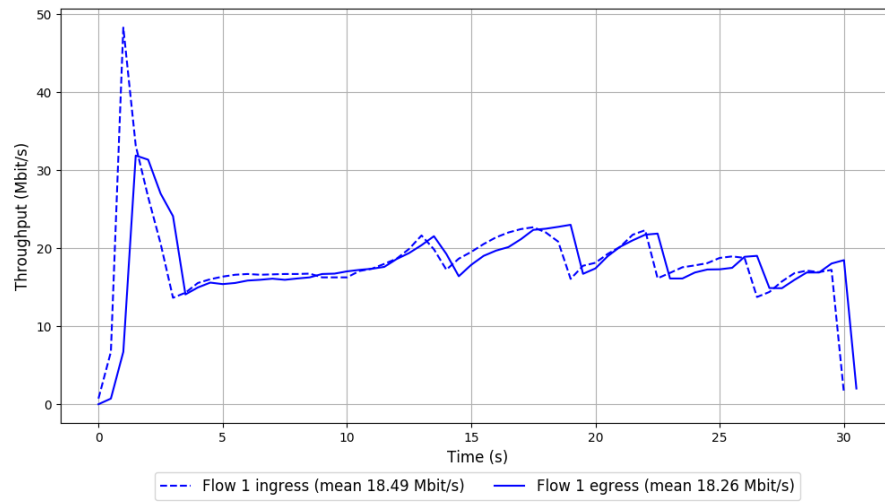
-- Flow 1:

Average throughput: 18.26 Mbit/s

95th percentile per-packet one-way delay: 94.105 ms

Loss rate: 1.22%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 03:57:01

End at: 2018-05-24 03:57:31

Local clock offset: -7.517 ms

Remote clock offset: 8.957 ms

Below is generated by plot.py at 2018-05-24 06:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.55 Mbit/s

95th percentile per-packet one-way delay: 88.681 ms

Loss rate: 0.91%

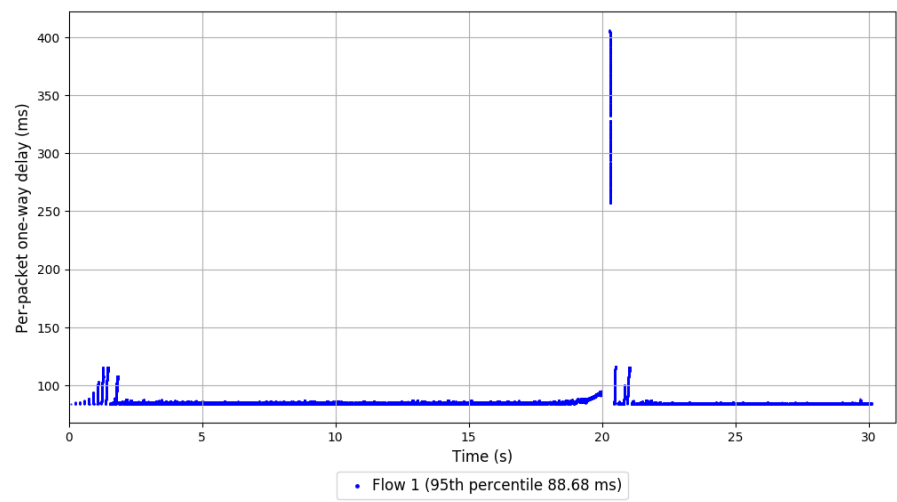
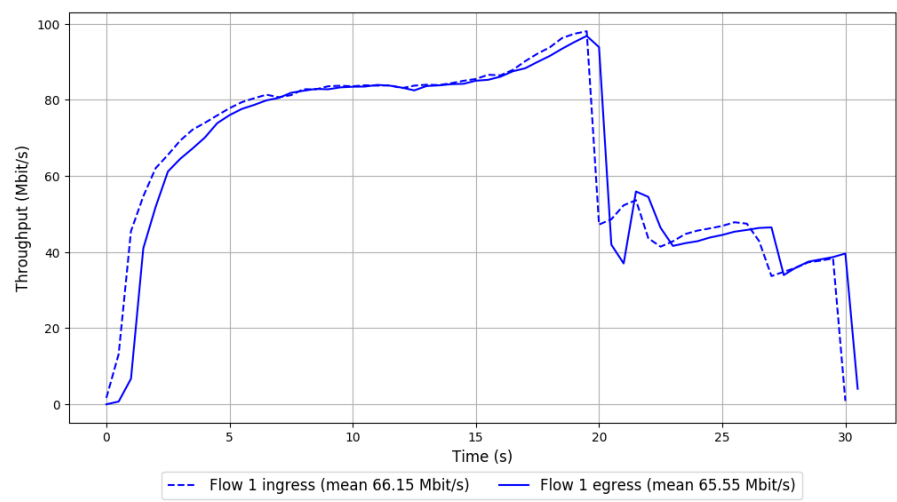
-- Flow 1:

Average throughput: 65.55 Mbit/s

95th percentile per-packet one-way delay: 88.681 ms

Loss rate: 0.91%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 04:15:28

End at: 2018-05-24 04:15:58

Local clock offset: -7.811 ms

Remote clock offset: 4.623 ms

Below is generated by plot.py at 2018-05-24 06:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.56 Mbit/s

95th percentile per-packet one-way delay: 85.568 ms

Loss rate: 1.12%

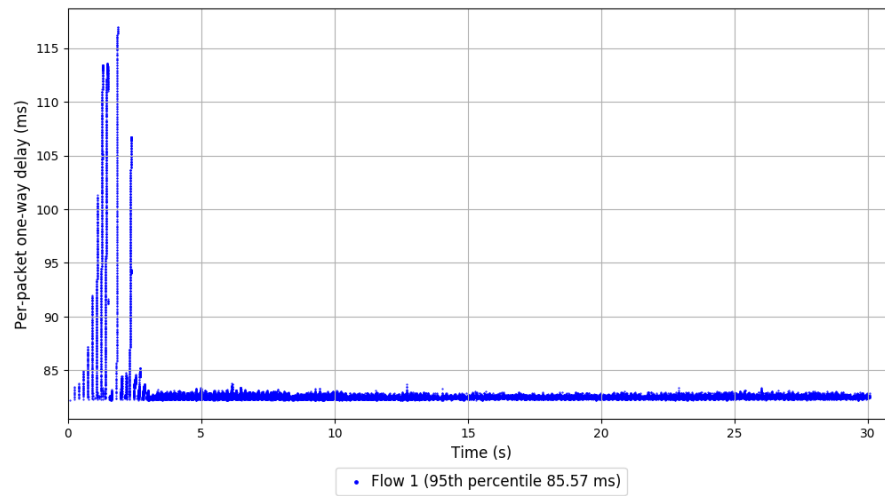
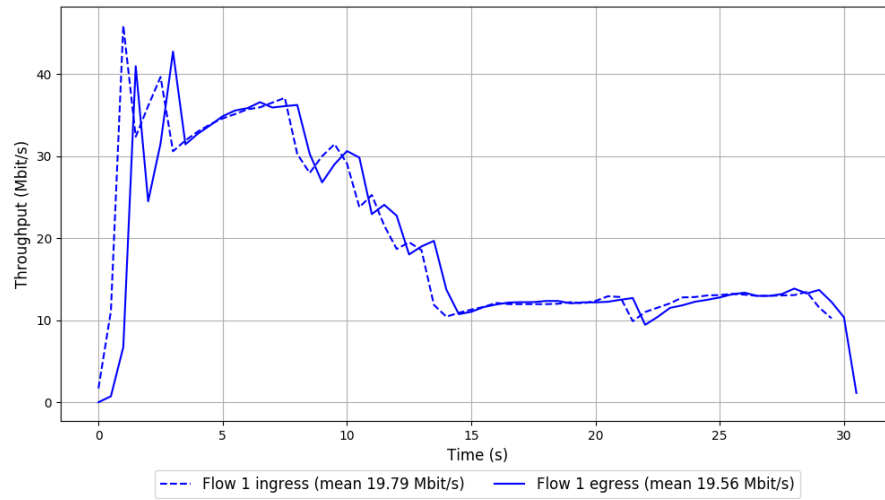
-- Flow 1:

Average throughput: 19.56 Mbit/s

95th percentile per-packet one-way delay: 85.568 ms

Loss rate: 1.12%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 04:33:56

End at: 2018-05-24 04:34:26

Local clock offset: -6.542 ms

Remote clock offset: 3.592 ms

Below is generated by plot.py at 2018-05-24 06:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.19 Mbit/s

95th percentile per-packet one-way delay: 98.402 ms

Loss rate: 0.31%

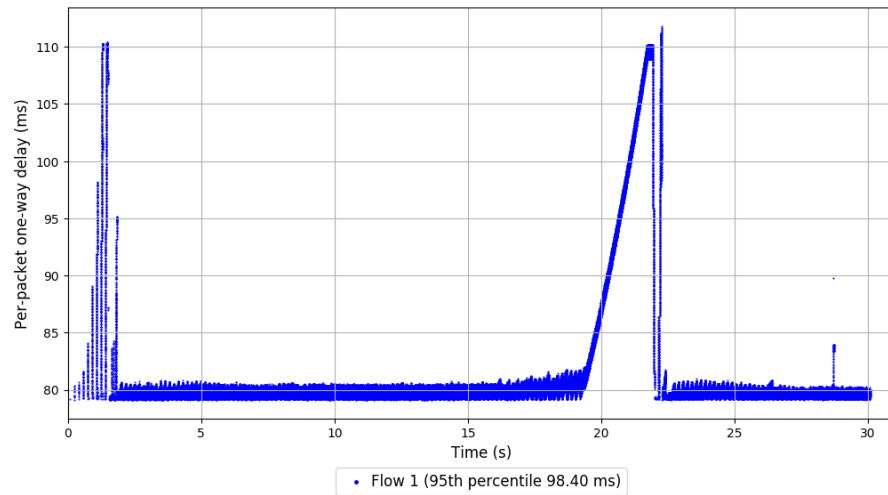
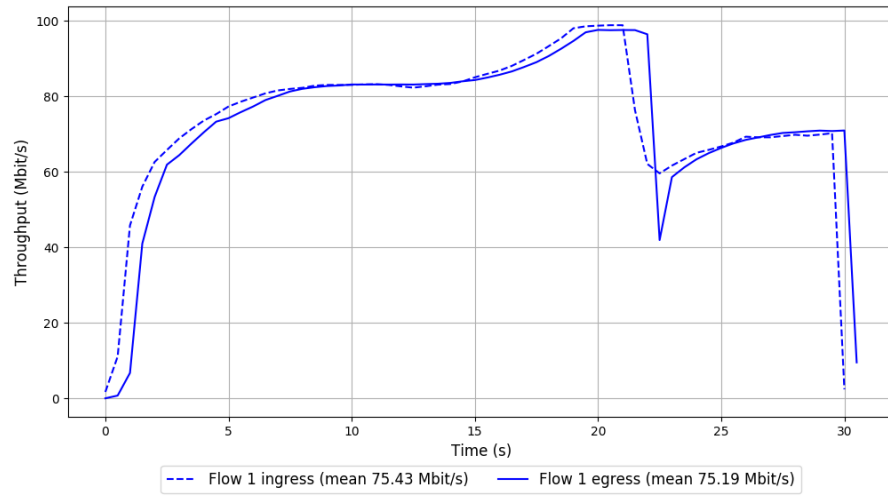
-- Flow 1:

Average throughput: 75.19 Mbit/s

95th percentile per-packet one-way delay: 98.402 ms

Loss rate: 0.31%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 04:52:25

End at: 2018-05-24 04:52:55

Local clock offset: -5.538 ms

Remote clock offset: 3.783 ms

Below is generated by plot.py at 2018-05-24 06:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.37 Mbit/s

95th percentile per-packet one-way delay: 98.795 ms

Loss rate: 0.30%

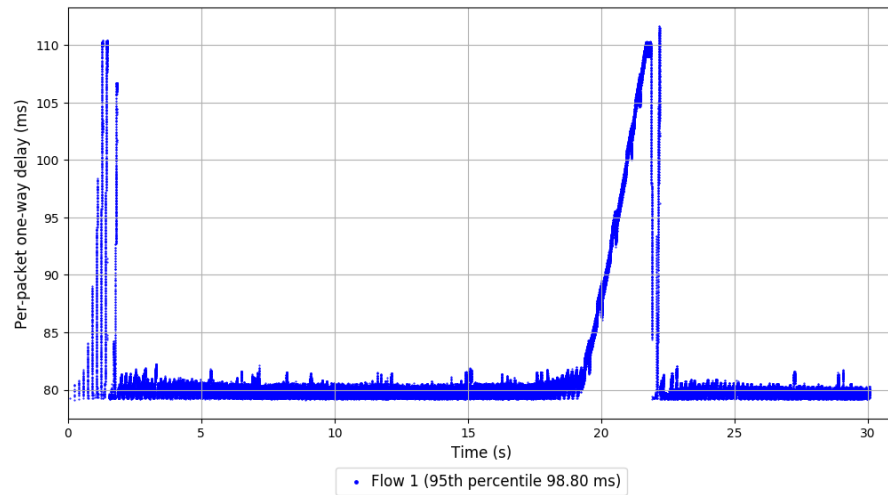
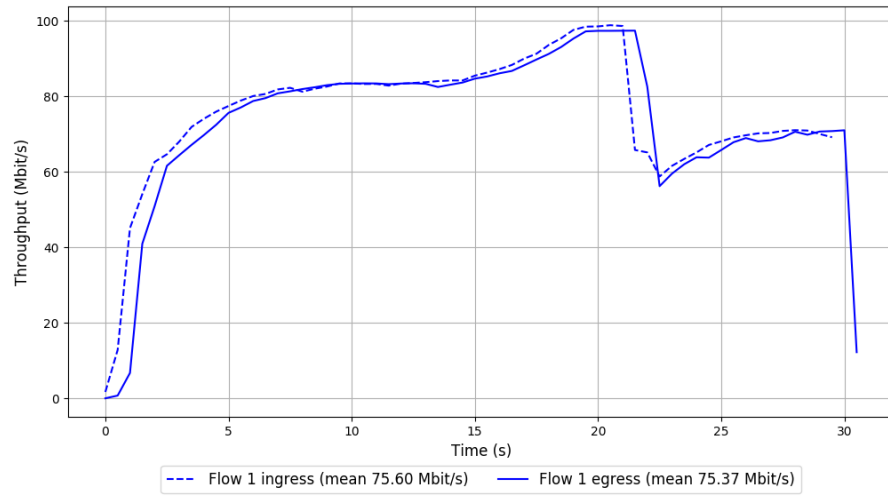
-- Flow 1:

Average throughput: 75.37 Mbit/s

95th percentile per-packet one-way delay: 98.795 ms

Loss rate: 0.30%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 05:10:53

End at: 2018-05-24 05:11:23

Local clock offset: -2.853 ms

Remote clock offset: 4.468 ms

Below is generated by plot.py at 2018-05-24 06:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 99.534 ms

Loss rate: 0.33%

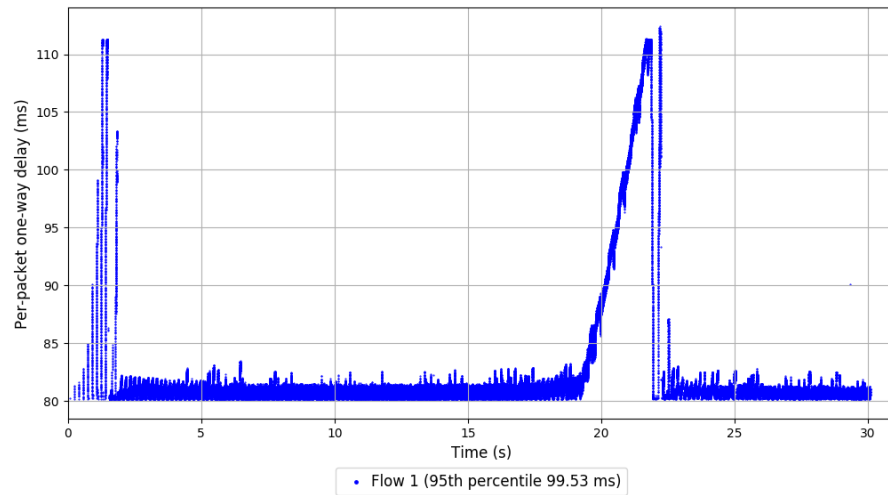
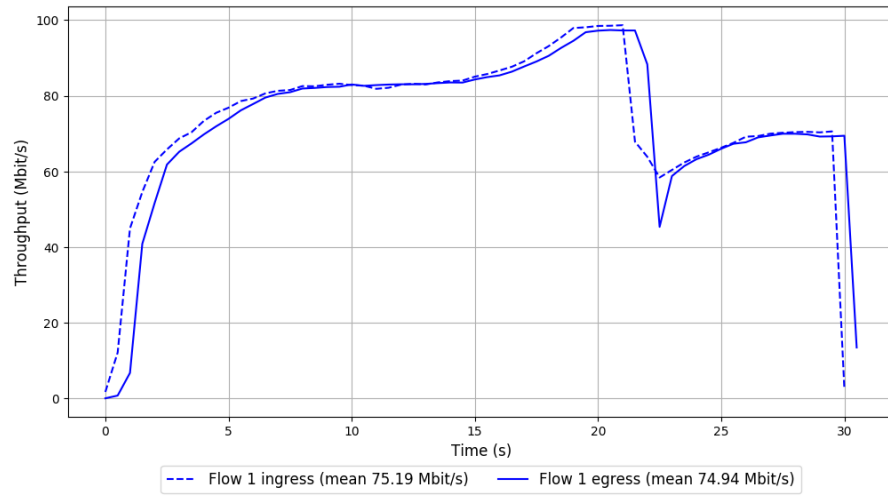
-- Flow 1:

Average throughput: 74.94 Mbit/s

95th percentile per-packet one-way delay: 99.534 ms

Loss rate: 0.33%

Run 6: Report of TCP Cubic — Data Link

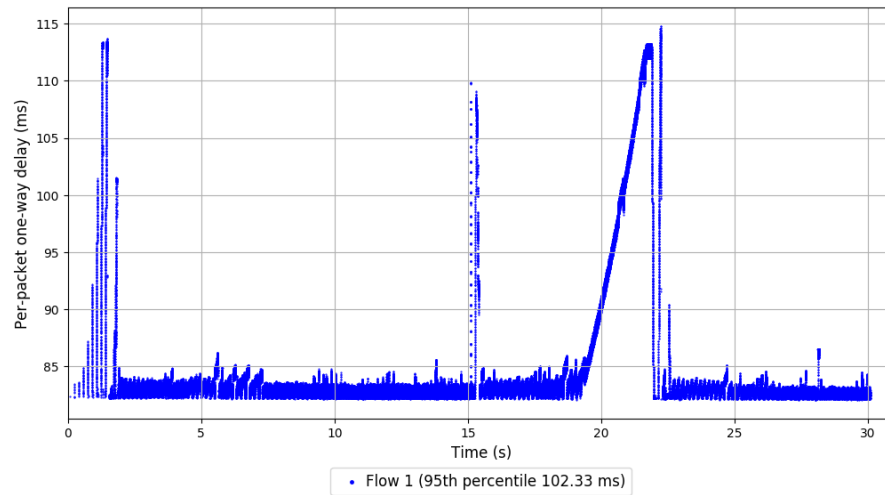
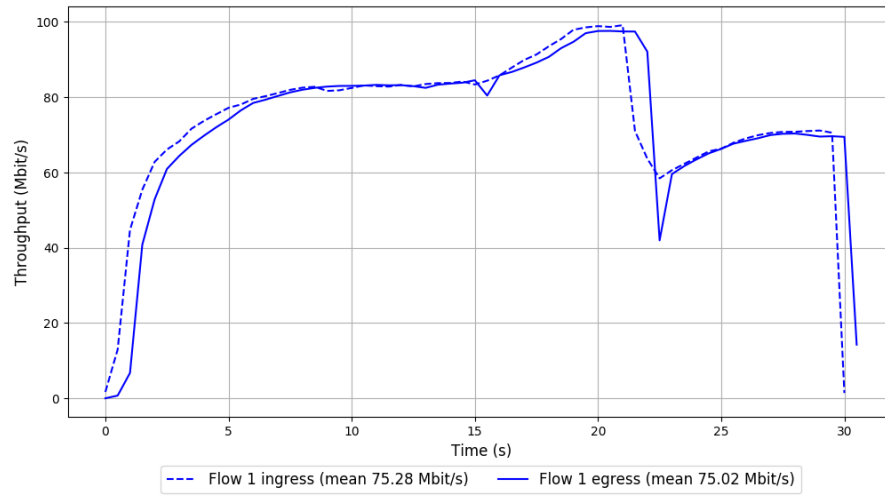


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 05:29:20
End at: 2018-05-24 05:29:50
Local clock offset: -1.146 ms
Remote clock offset: 13.211 ms

Below is generated by plot.py at 2018-05-24 06:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 102.333 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 102.333 ms
Loss rate: 0.34%

Run 7: Report of TCP Cubic — Data Link

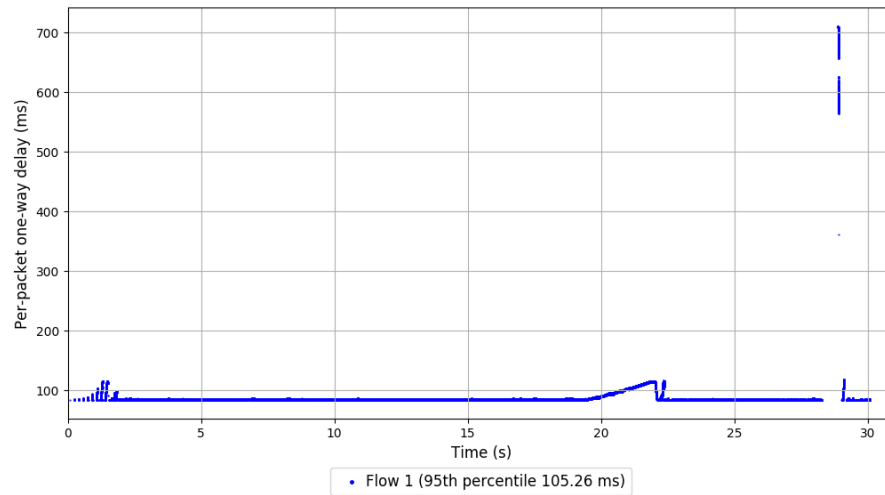
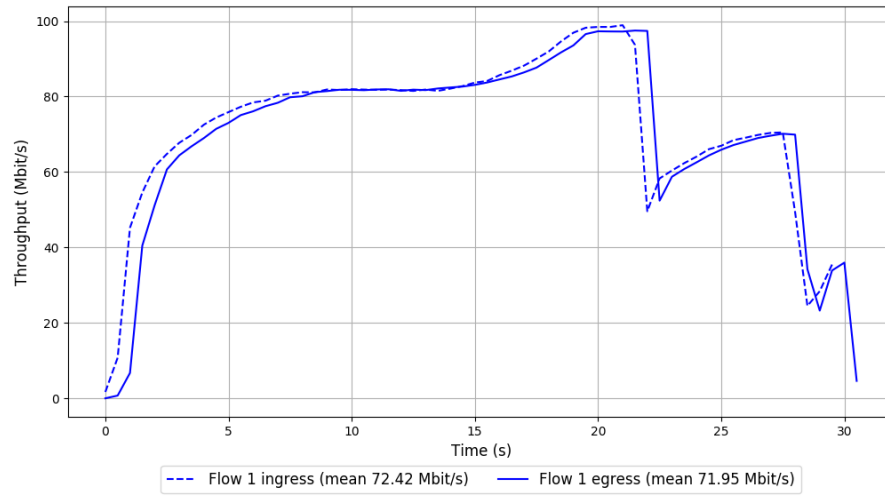


Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 05:47:49
End at: 2018-05-24 05:48:19
Local clock offset: -1.485 ms
Remote clock offset: 15.409 ms

Below is generated by plot.py at 2018-05-24 06:38:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 105.260 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 105.260 ms
Loss rate: 0.64%

Run 8: Report of TCP Cubic — Data Link

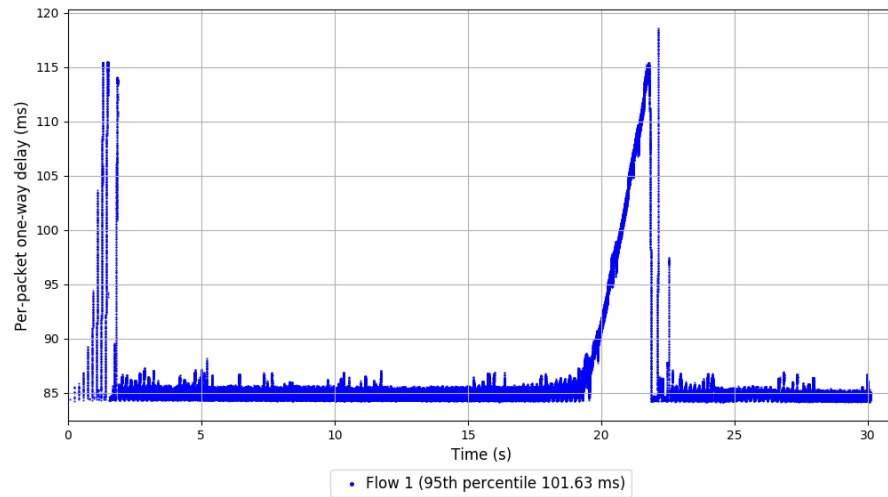
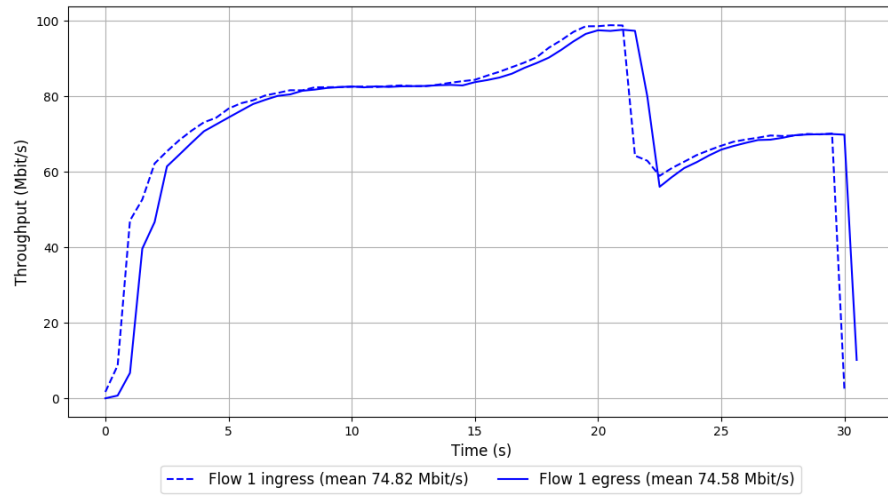


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 06:06:18
End at: 2018-05-24 06:06:48
Local clock offset: -6.064 ms
Remote clock offset: 16.922 ms

Below is generated by plot.py at 2018-05-24 06:38:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 101.627 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 101.627 ms
Loss rate: 0.33%

Run 9: Report of TCP Cubic — Data Link

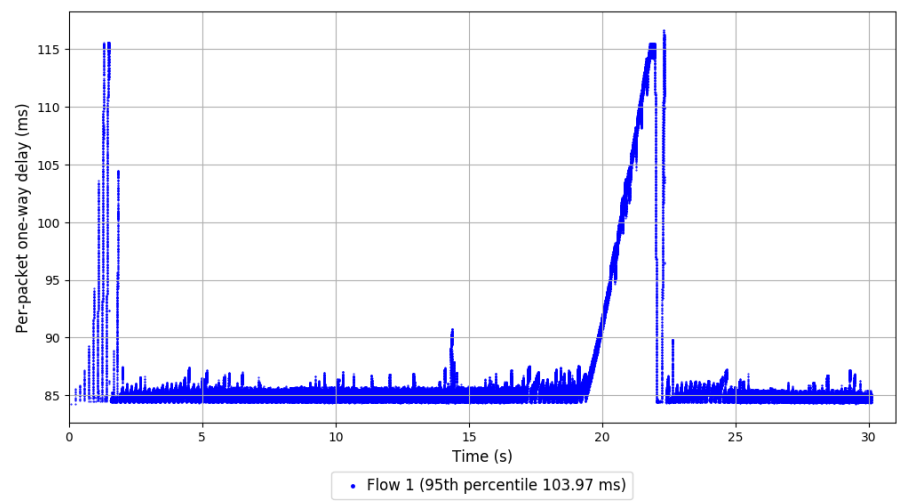
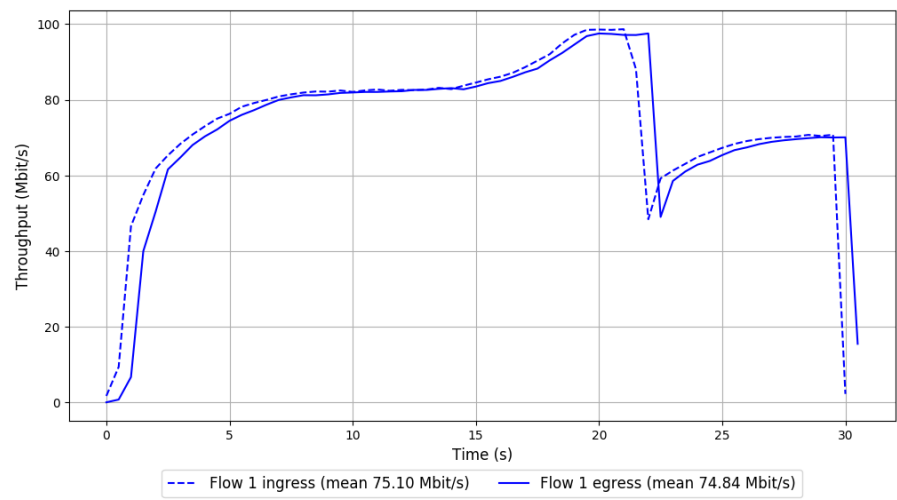


Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 06:24:47
End at: 2018-05-24 06:25:17
Local clock offset: -7.595 ms
Remote clock offset: 18.413 ms

Below is generated by plot.py at 2018-05-24 06:38:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 103.970 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 74.84 Mbit/s
95th percentile per-packet one-way delay: 103.970 ms
Loss rate: 0.34%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-24 03:35:07

End at: 2018-05-24 03:35:37

Local clock offset: -4.1 ms

Remote clock offset: 7.286 ms

Below is generated by plot.py at 2018-05-24 06:39:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.15 Mbit/s

95th percentile per-packet one-way delay: 112.393 ms

Loss rate: 17.82%

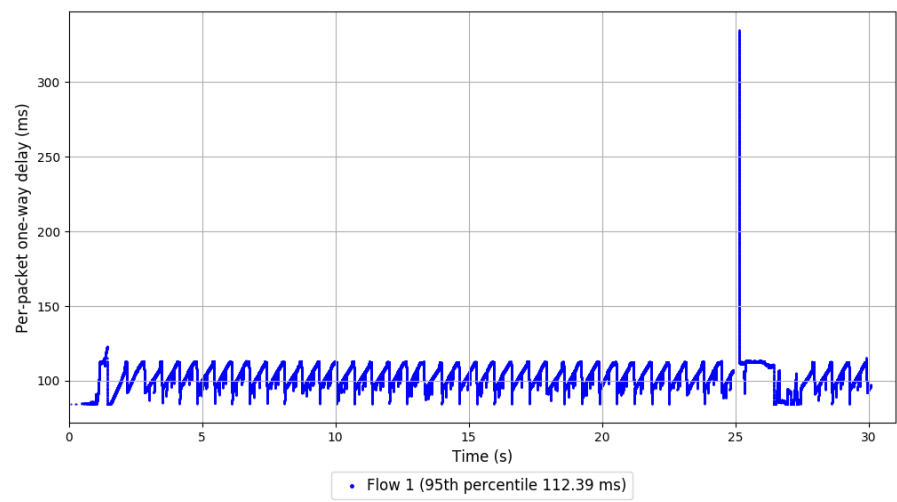
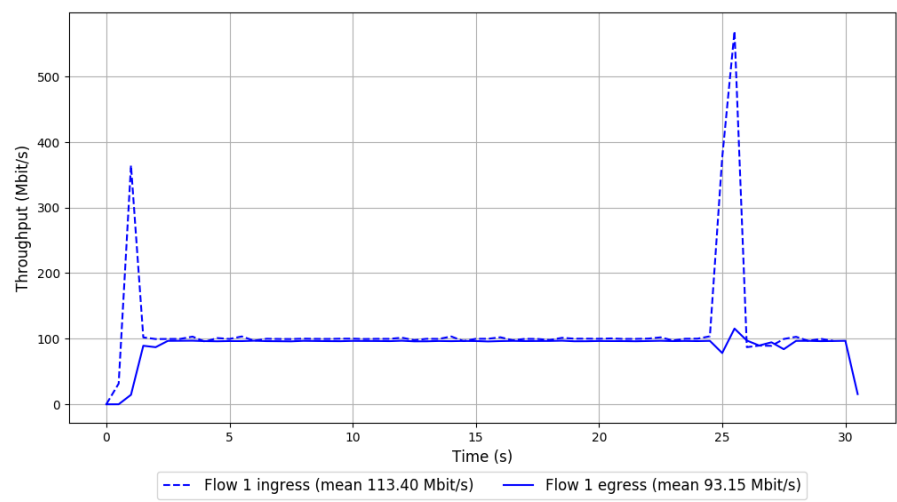
-- Flow 1:

Average throughput: 93.15 Mbit/s

95th percentile per-packet one-way delay: 112.393 ms

Loss rate: 17.82%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-24 03:53:34

End at: 2018-05-24 03:54:04

Local clock offset: -6.688 ms

Remote clock offset: 4.185 ms

Below is generated by plot.py at 2018-05-24 06:39:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 110.875 ms

Loss rate: 7.74%

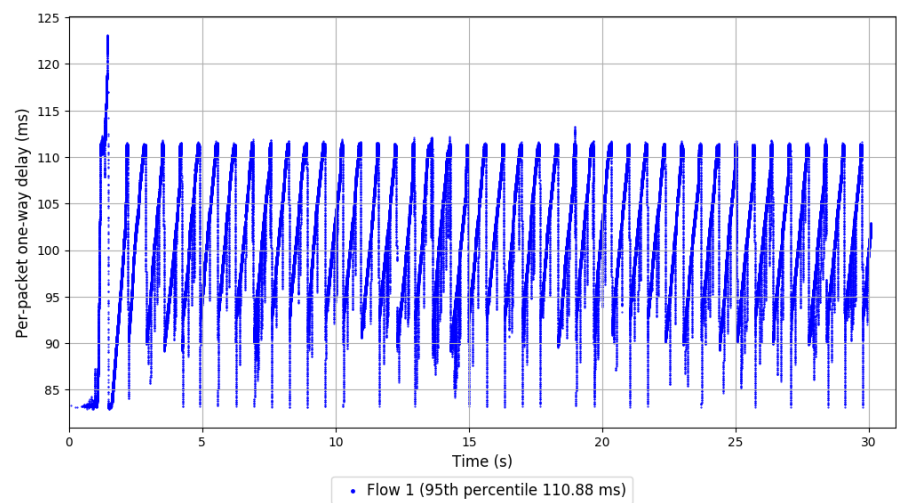
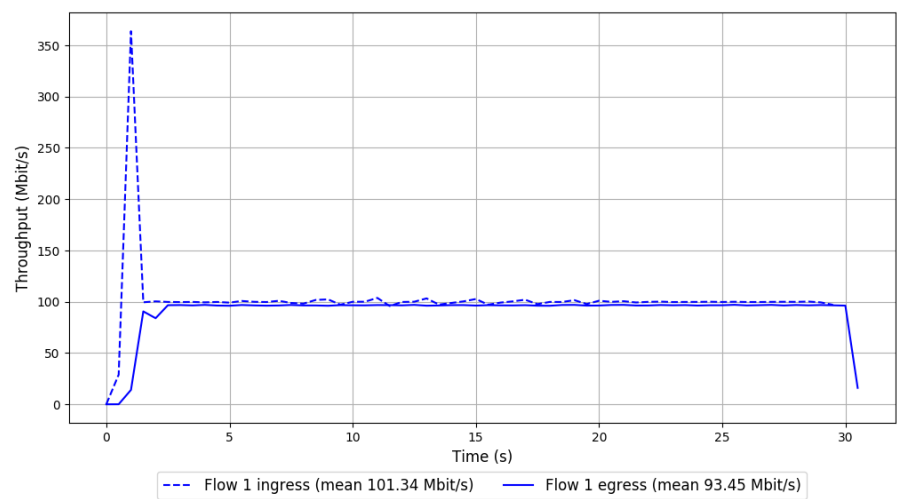
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 110.875 ms

Loss rate: 7.74%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-24 04:12:01

End at: 2018-05-24 04:12:31

Local clock offset: -7.734 ms

Remote clock offset: 8.797 ms

Below is generated by plot.py at 2018-05-24 06:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 111.611 ms

Loss rate: 7.46%

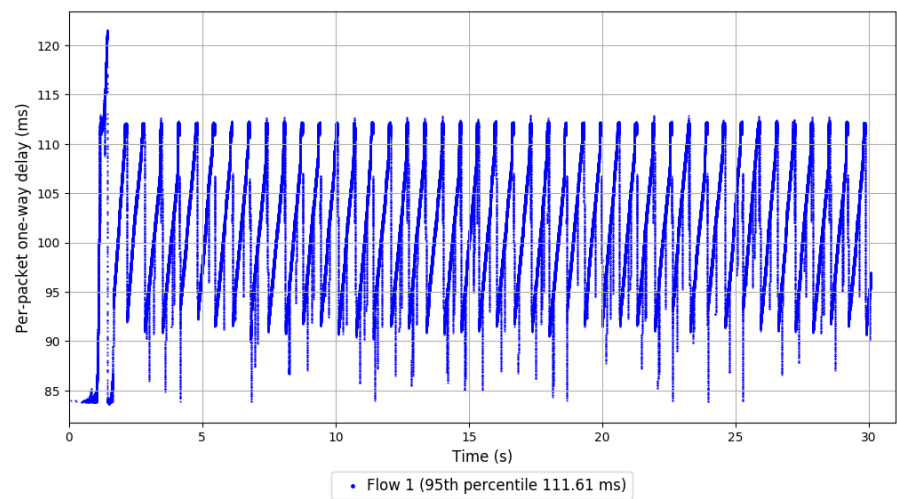
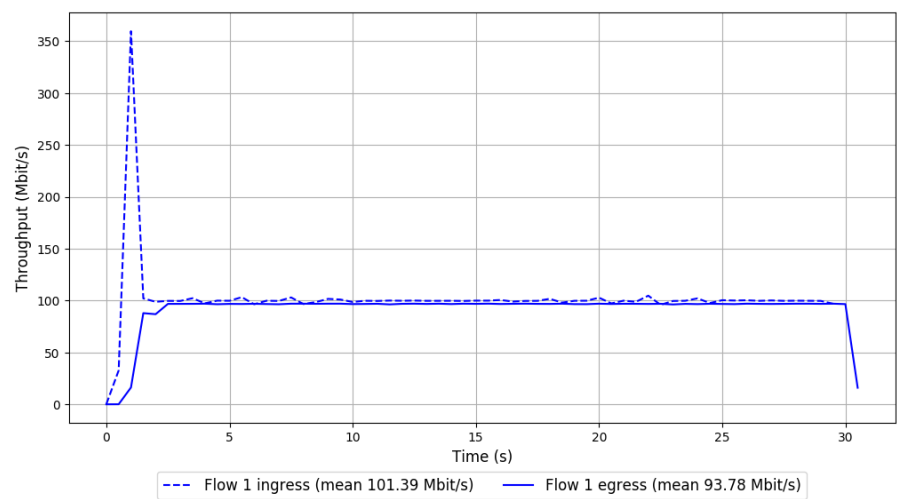
-- Flow 1:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 111.611 ms

Loss rate: 7.46%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-24 04:30:28

End at: 2018-05-24 04:30:58

Local clock offset: -6.722 ms

Remote clock offset: 7.601 ms

Below is generated by plot.py at 2018-05-24 06:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 118.190 ms

Loss rate: 7.64%

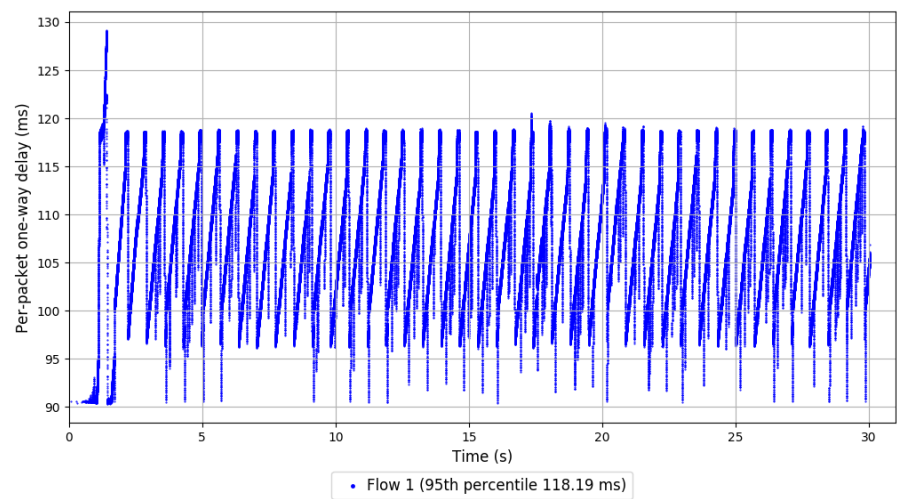
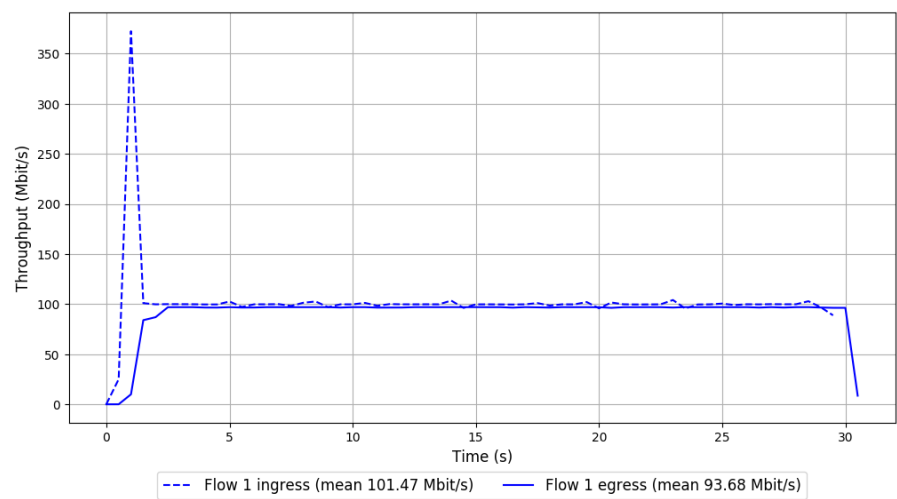
-- Flow 1:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 118.190 ms

Loss rate: 7.64%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 04:48:58

End at: 2018-05-24 04:49:28

Local clock offset: -6.294 ms

Remote clock offset: 8.104 ms

Below is generated by plot.py at 2018-05-24 06:40:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 113.417 ms

Loss rate: 7.50%

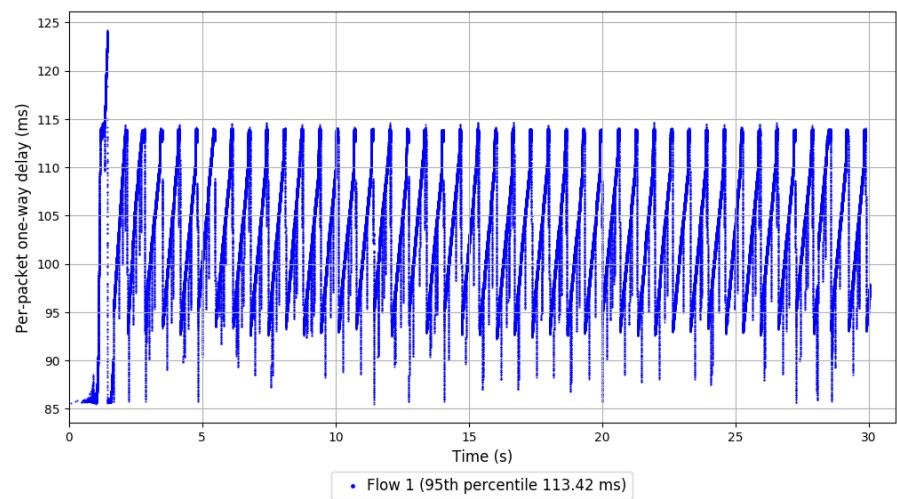
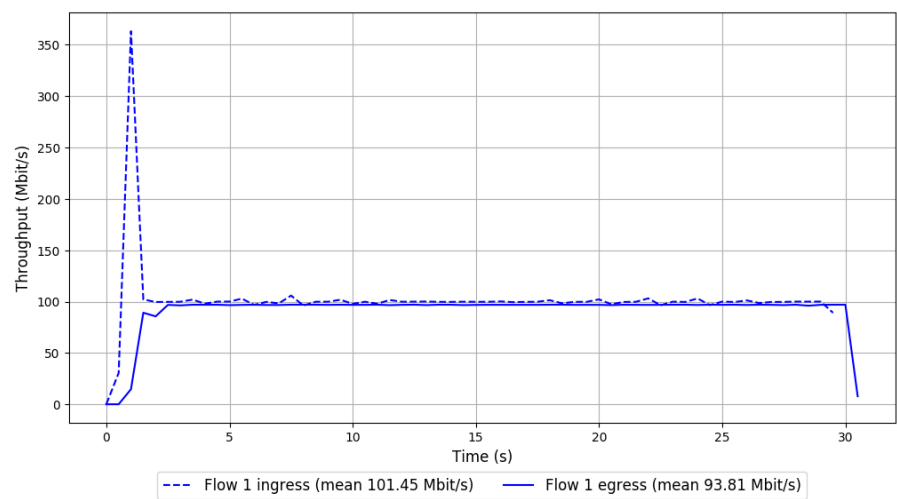
-- Flow 1:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 113.417 ms

Loss rate: 7.50%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-24 05:07:26

End at: 2018-05-24 05:07:56

Local clock offset: -3.233 ms

Remote clock offset: 8.066 ms

Below is generated by plot.py at 2018-05-24 06:40:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 117.371 ms

Loss rate: 7.69%

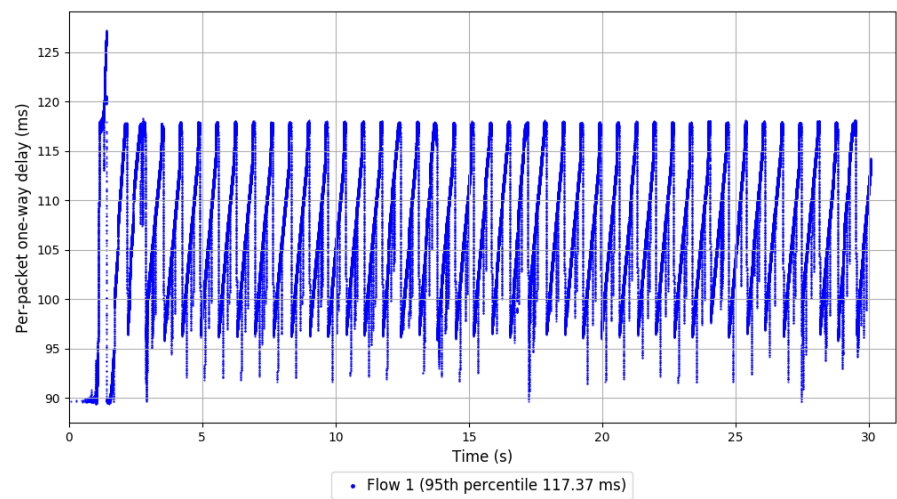
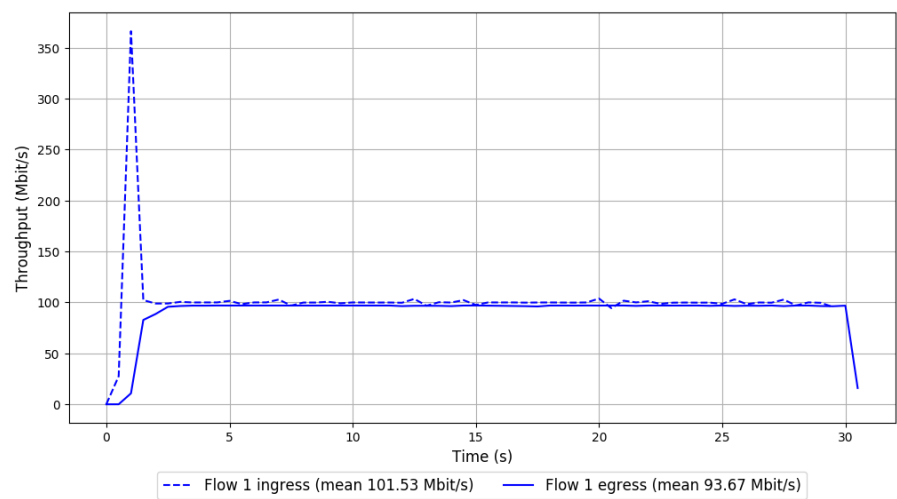
-- Flow 1:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 117.371 ms

Loss rate: 7.69%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-24 05:25:53

End at: 2018-05-24 05:26:23

Local clock offset: -1.579 ms

Remote clock offset: 8.631 ms

Below is generated by plot.py at 2018-05-24 06:40:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 107.287 ms

Loss rate: 7.67%

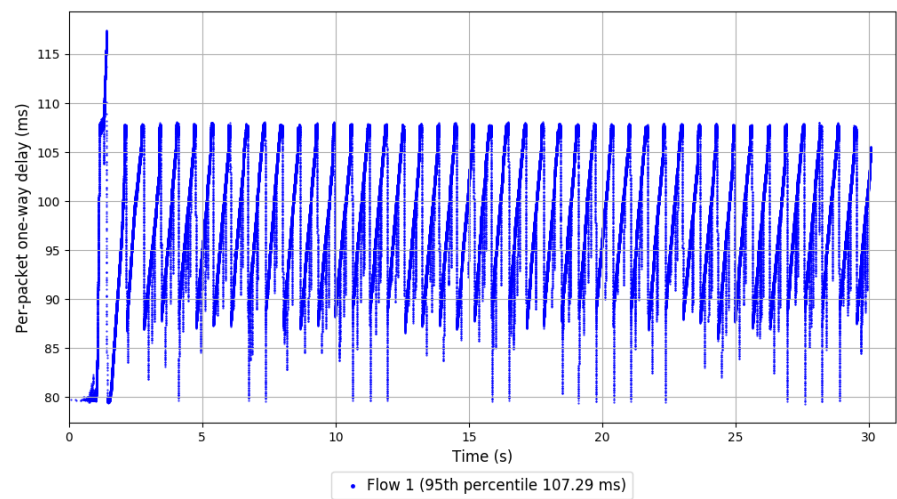
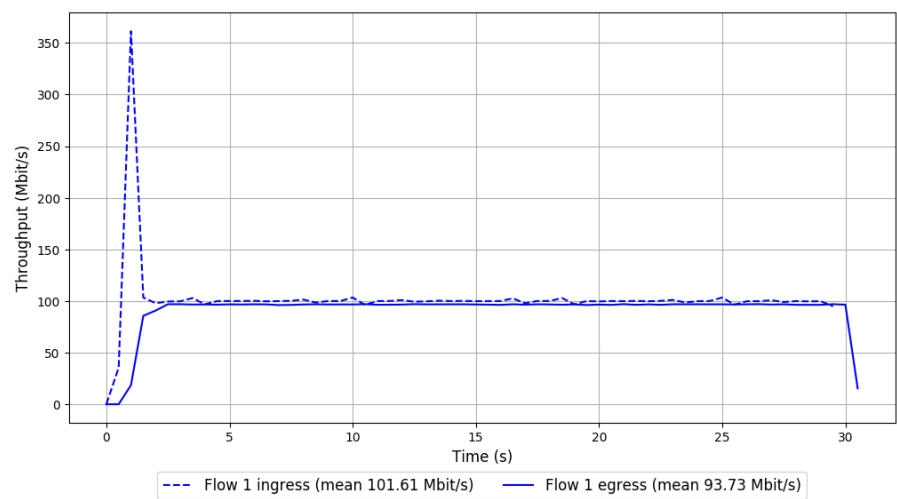
-- Flow 1:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 107.287 ms

Loss rate: 7.67%

Run 7: Report of FillP — Data Link

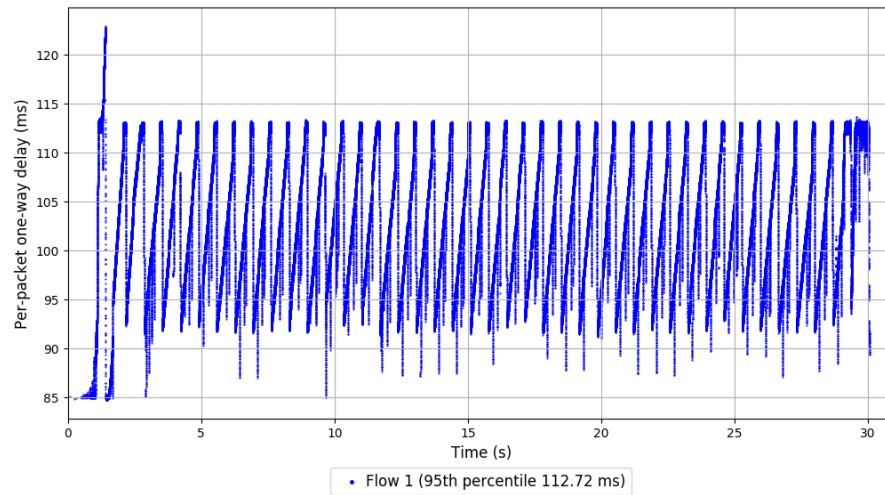
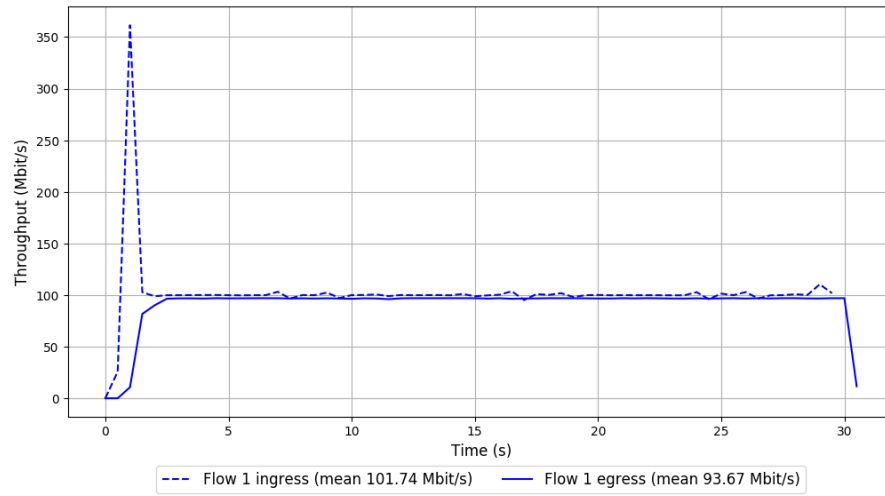


Run 8: Statistics of FillP

Start at: 2018-05-24 05:44:22
End at: 2018-05-24 05:44:52
Local clock offset: -1.583 ms
Remote clock offset: 10.443 ms

Below is generated by plot.py at 2018-05-24 06:40:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 112.720 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 112.720 ms
Loss rate: 7.93%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-24 06:02:51

End at: 2018-05-24 06:03:21

Local clock offset: -5.192 ms

Remote clock offset: 16.65 ms

Below is generated by plot.py at 2018-05-24 06:41:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 116.011 ms

Loss rate: 7.60%

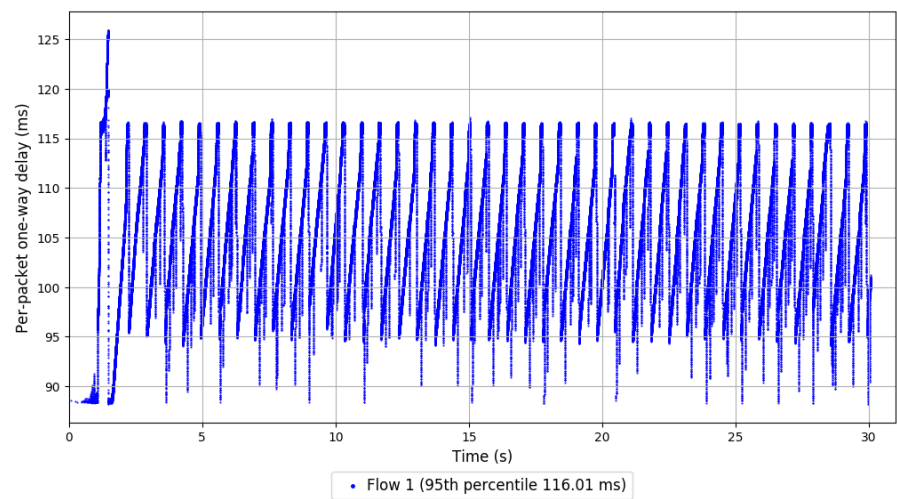
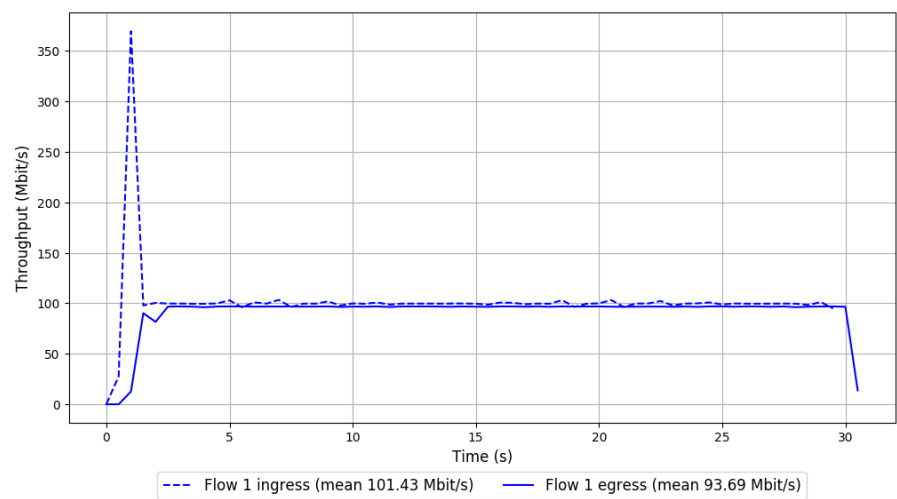
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 116.011 ms

Loss rate: 7.60%

Run 9: Report of FillP — Data Link

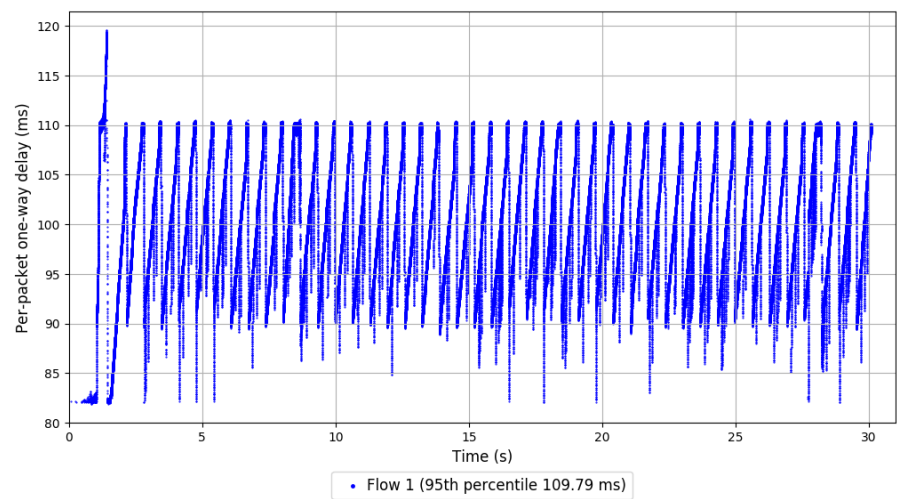
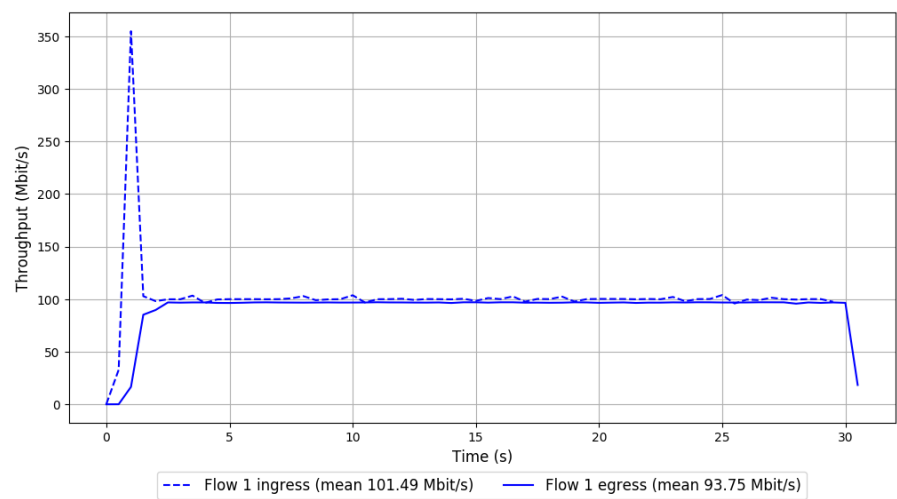


Run 10: Statistics of FillP

Start at: 2018-05-24 06:21:20
End at: 2018-05-24 06:21:50
Local clock offset: -8.112 ms
Remote clock offset: 17.397 ms

Below is generated by plot.py at 2018-05-24 06:41:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 109.794 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 109.794 ms
Loss rate: 7.54%

Run 10: Report of FillP — Data Link

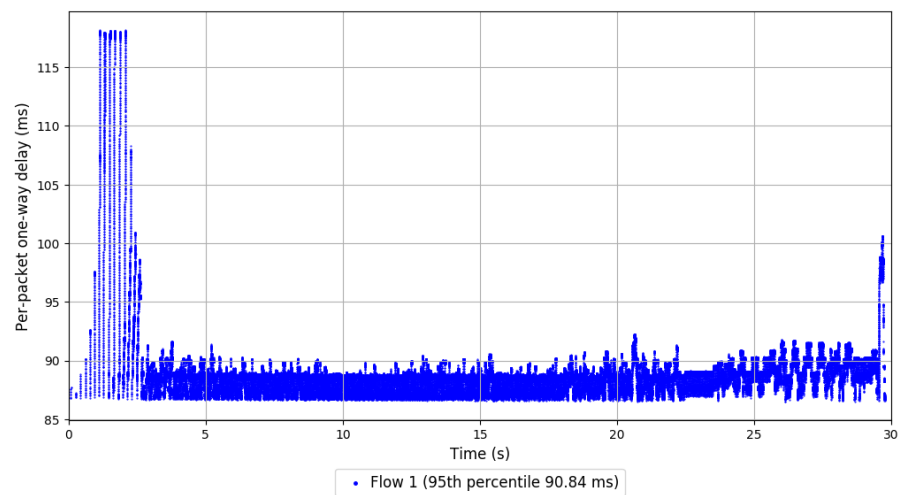
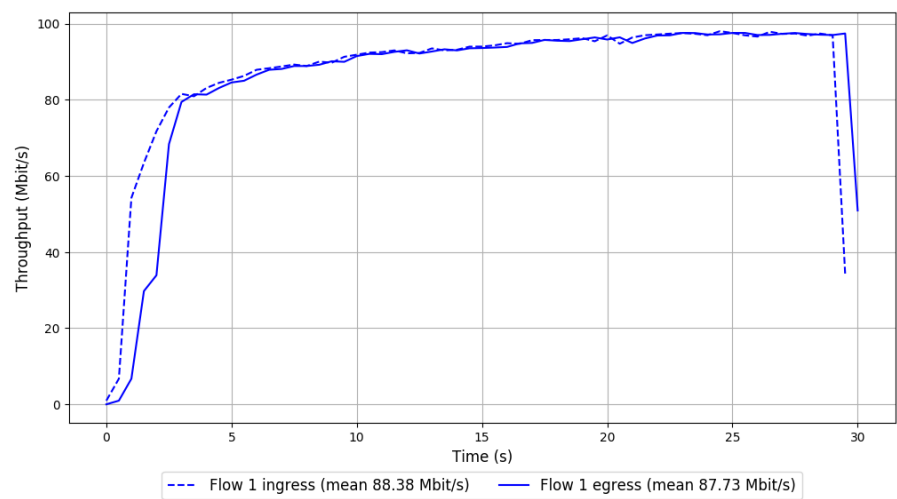


```
Run 1: Statistics of Indigo

Start at: 2018-05-24 03:30:29
End at: 2018-05-24 03:30:59
Local clock offset: -3.901 ms
Remote clock offset: 7.375 ms

# Below is generated by plot.py at 2018-05-24 06:41:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 90.838 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 90.838 ms
Loss rate: 0.75%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-24 03:48:57

End at: 2018-05-24 03:49:27

Local clock offset: -7.149 ms

Remote clock offset: 4.73 ms

Below is generated by plot.py at 2018-05-24 06:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 2.18%

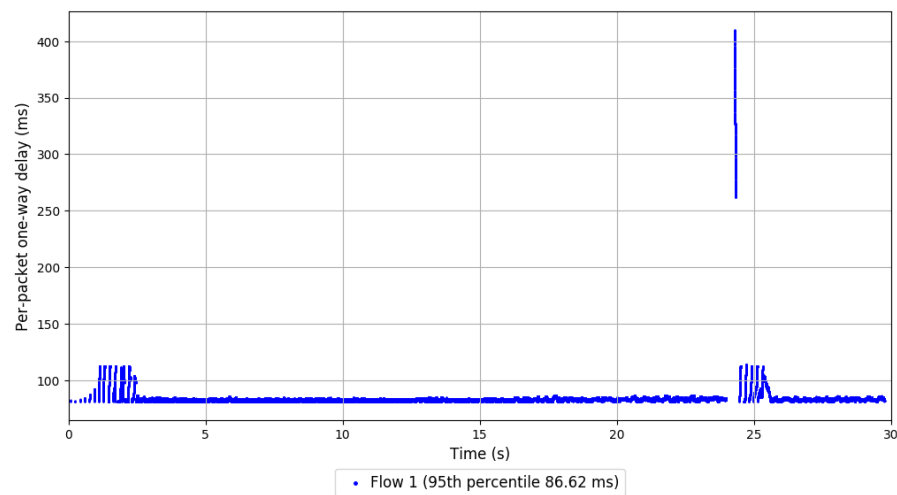
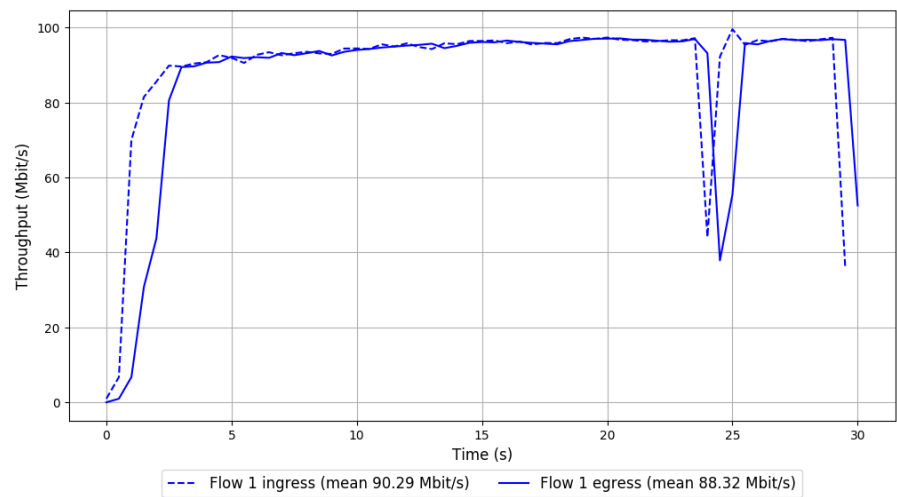
-- Flow 1:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 2.18%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-24 04:07:24

End at: 2018-05-24 04:07:54

Local clock offset: -6.232 ms

Remote clock offset: 9.33 ms

Below is generated by plot.py at 2018-05-24 06:41:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 87.568 ms

Loss rate: 1.11%

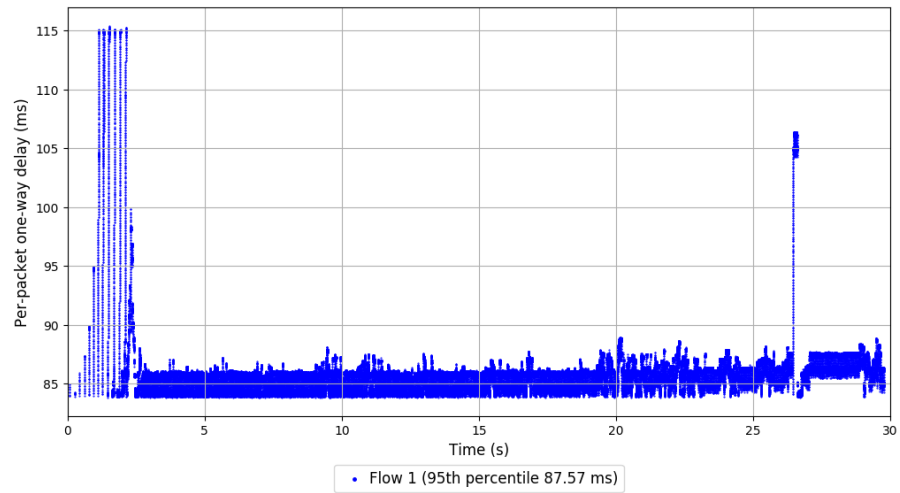
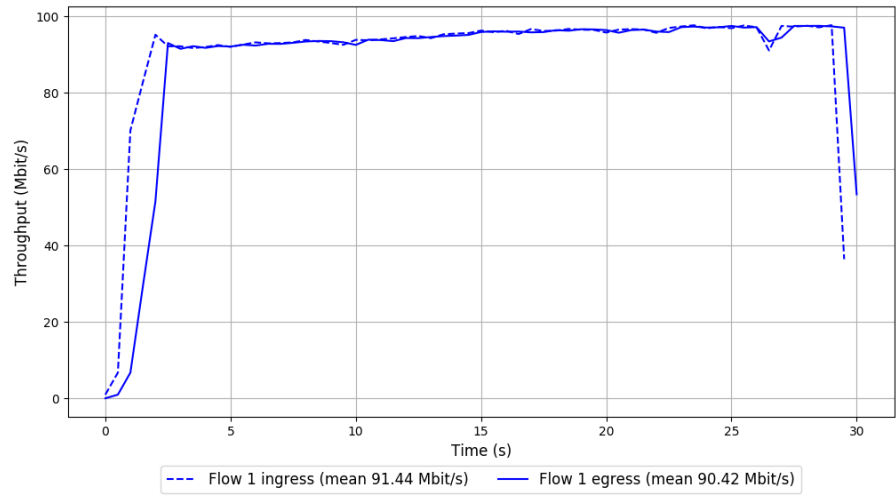
-- Flow 1:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 87.568 ms

Loss rate: 1.11%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-24 04:25:50

End at: 2018-05-24 04:26:20

Local clock offset: -7.918 ms

Remote clock offset: 7.724 ms

Below is generated by plot.py at 2018-05-24 06:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.06 Mbit/s

95th percentile per-packet one-way delay: 90.812 ms

Loss rate: 1.23%

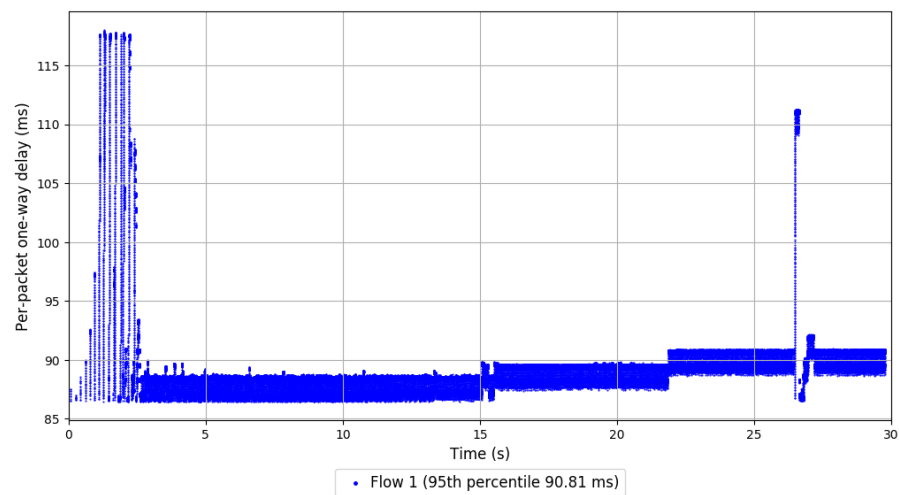
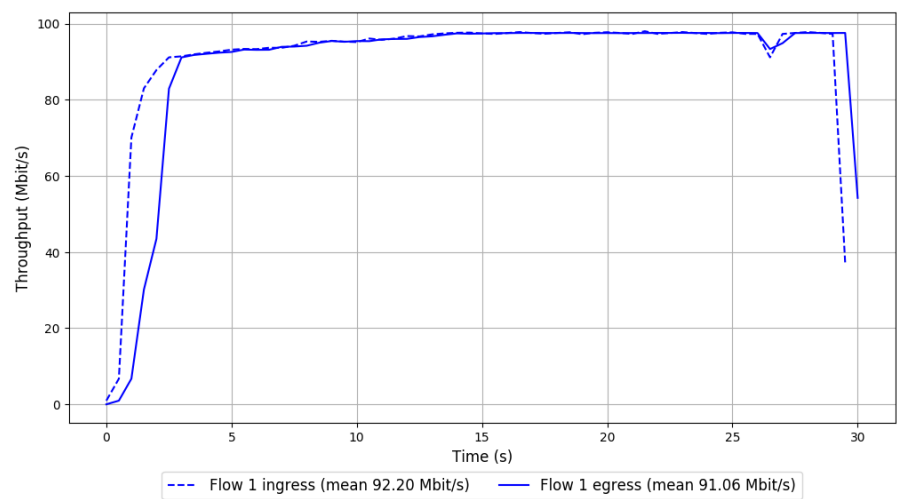
-- Flow 1:

Average throughput: 91.06 Mbit/s

95th percentile per-packet one-way delay: 90.812 ms

Loss rate: 1.23%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-24 04:44:20

End at: 2018-05-24 04:44:50

Local clock offset: -6.325 ms

Remote clock offset: 3.788 ms

Below is generated by plot.py at 2018-05-24 06:41:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 85.442 ms

Loss rate: 0.79%

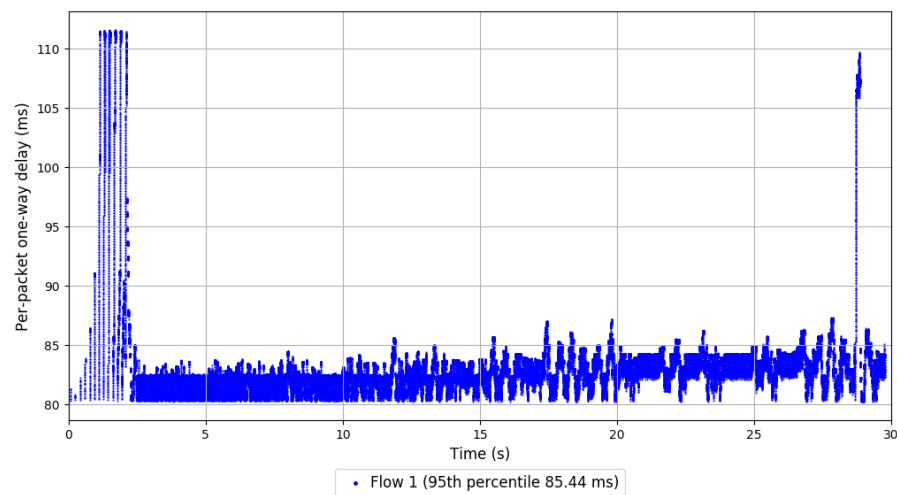
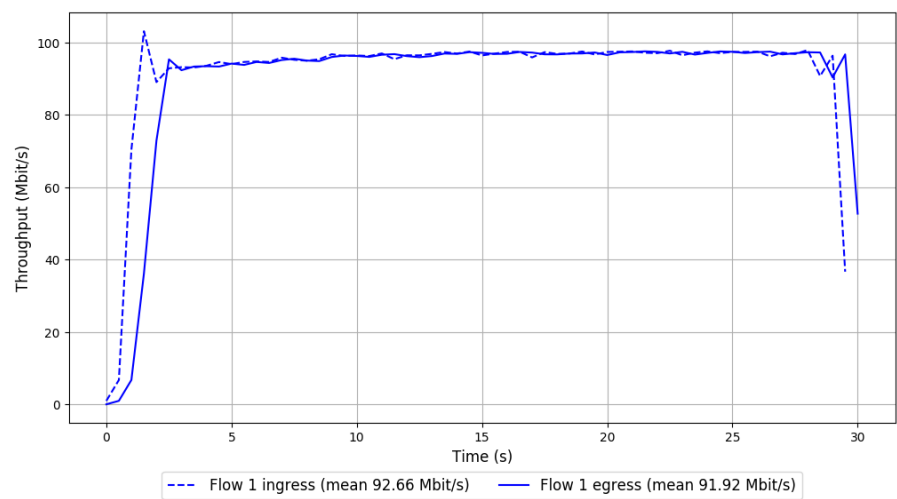
-- Flow 1:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 85.442 ms

Loss rate: 0.79%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 05:02:48

End at: 2018-05-24 05:03:18

Local clock offset: -4.954 ms

Remote clock offset: 4.325 ms

Below is generated by plot.py at 2018-05-24 06:41:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 87.841 ms

Loss rate: 1.35%

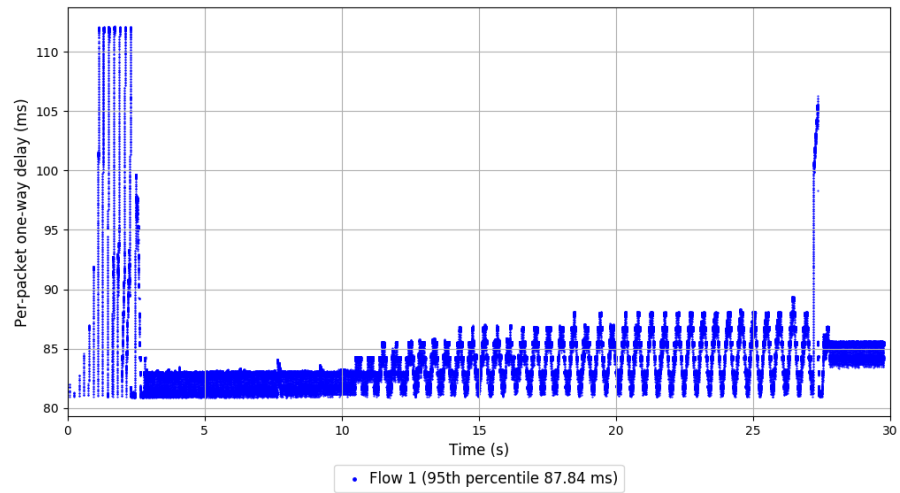
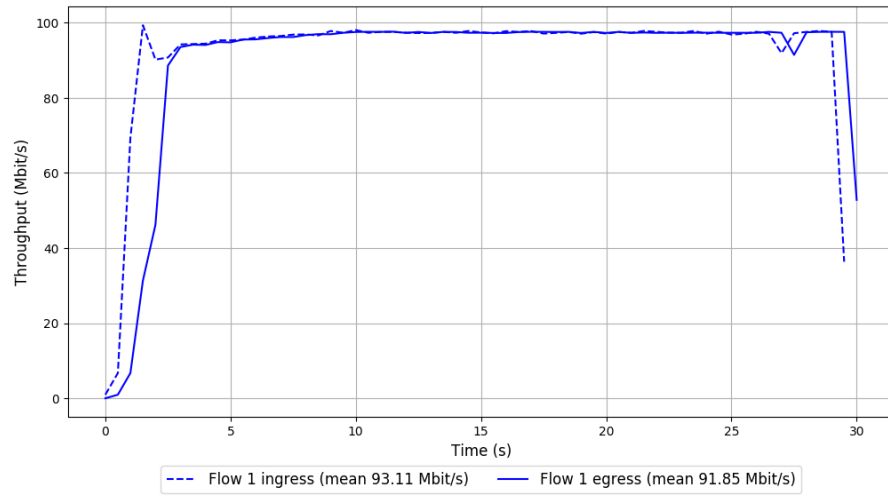
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 87.841 ms

Loss rate: 1.35%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-24 05:21:15

End at: 2018-05-24 05:21:45

Local clock offset: -1.102 ms

Remote clock offset: 7.26 ms

Below is generated by plot.py at 2018-05-24 06:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 87.229 ms

Loss rate: 0.68%

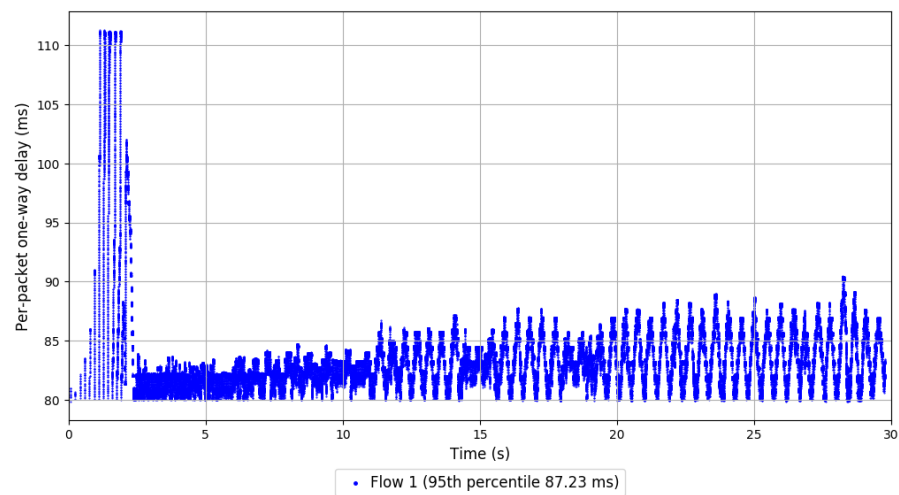
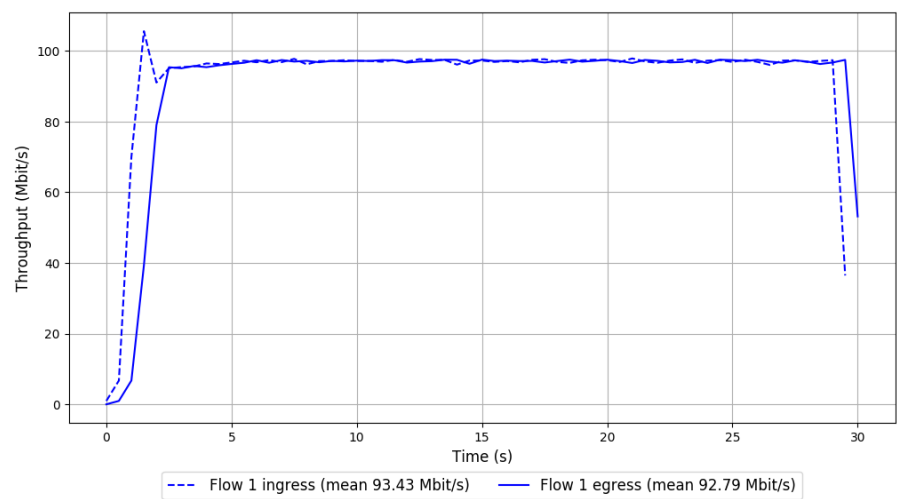
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 87.229 ms

Loss rate: 0.68%

Run 7: Report of Indigo — Data Link

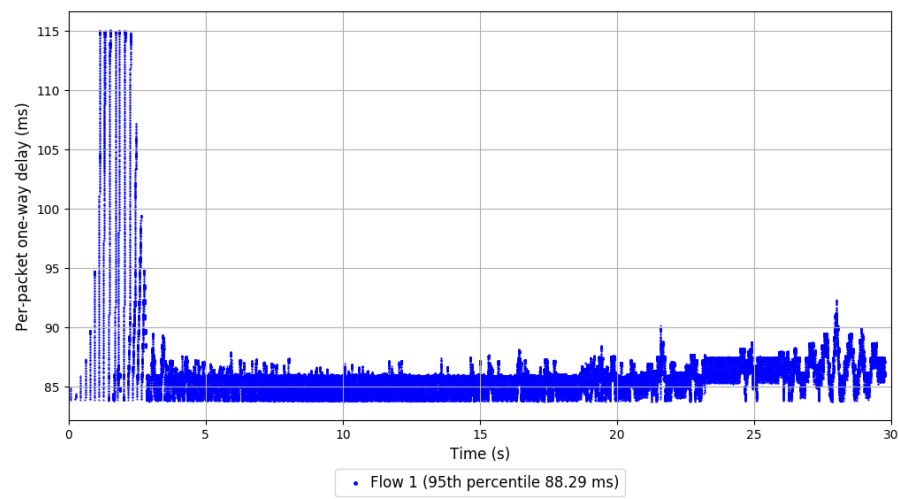
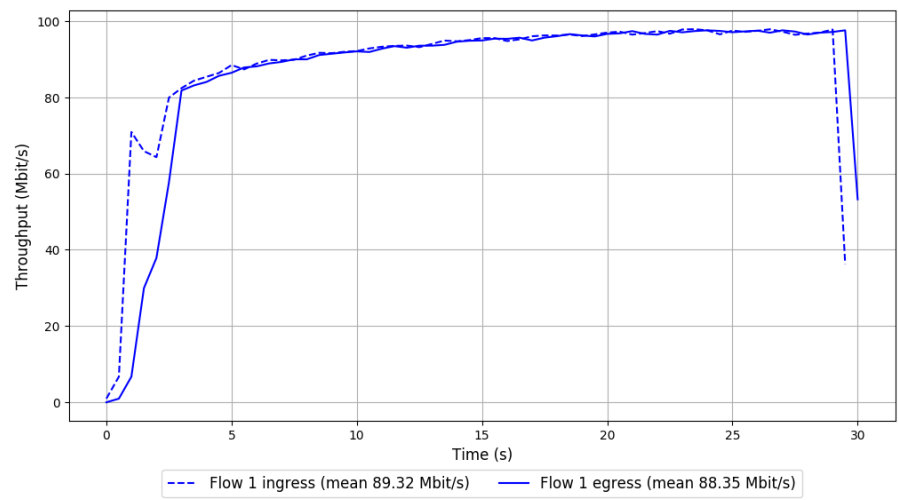


Run 8: Statistics of Indigo

Start at: 2018-05-24 05:39:45
End at: 2018-05-24 05:40:15
Local clock offset: -2.283 ms
Remote clock offset: 14.649 ms

Below is generated by plot.py at 2018-05-24 06:42:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 88.288 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 88.288 ms
Loss rate: 1.08%

Run 8: Report of Indigo — Data Link

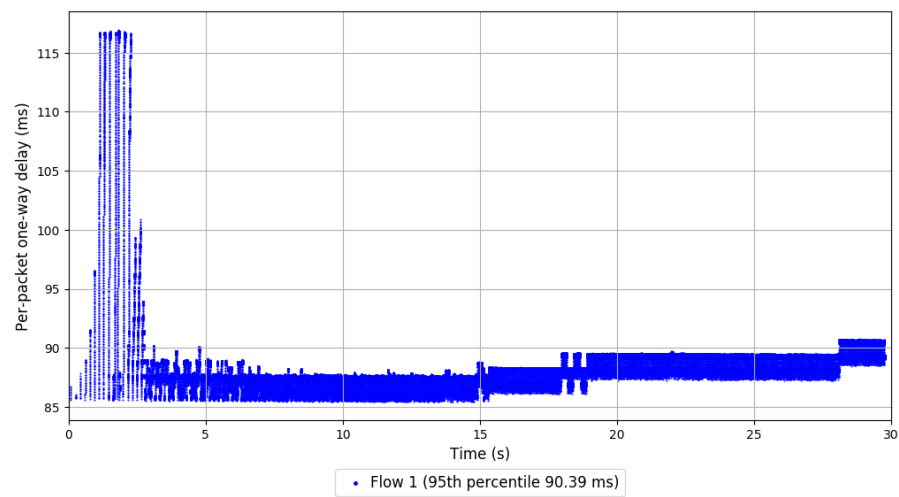
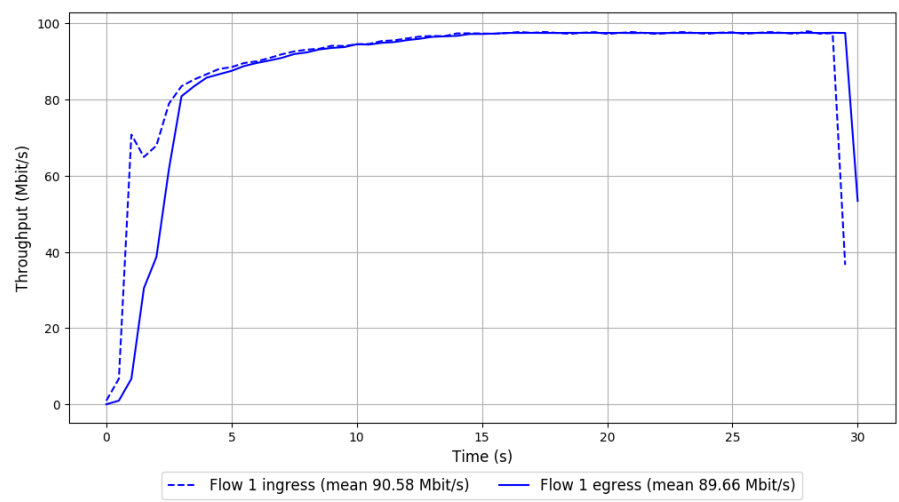


Run 9: Statistics of Indigo

Start at: 2018-05-24 05:58:13
End at: 2018-05-24 05:58:43
Local clock offset: -3.28 ms
Remote clock offset: 17.084 ms

Below is generated by plot.py at 2018-05-24 06:42:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 90.385 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 90.385 ms
Loss rate: 1.01%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-24 06:16:42

End at: 2018-05-24 06:17:12

Local clock offset: -7.708 ms

Remote clock offset: 17.027 ms

Below is generated by plot.py at 2018-05-24 06:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 88.354 ms

Loss rate: 1.04%

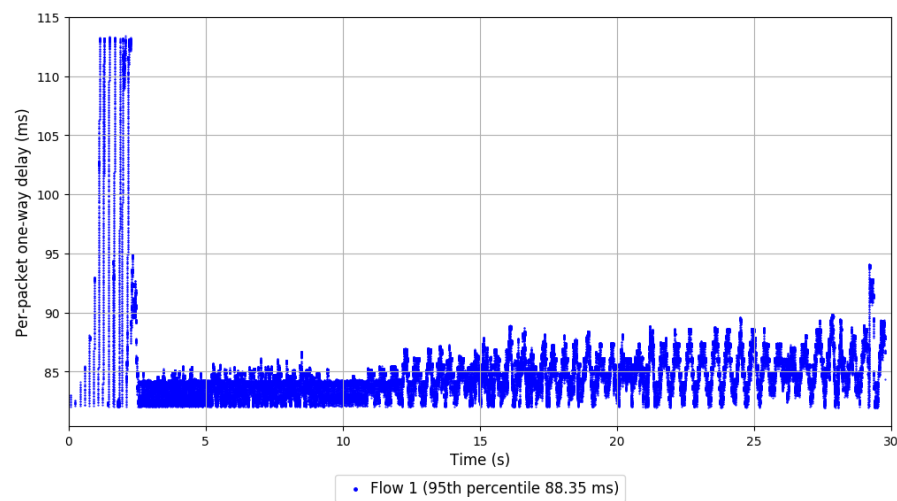
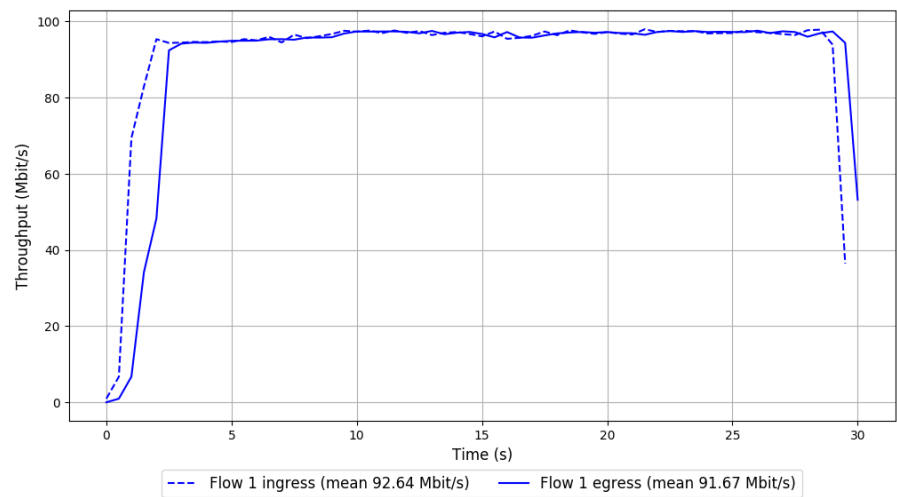
-- Flow 1:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 88.354 ms

Loss rate: 1.04%

Run 10: Report of Indigo — Data Link

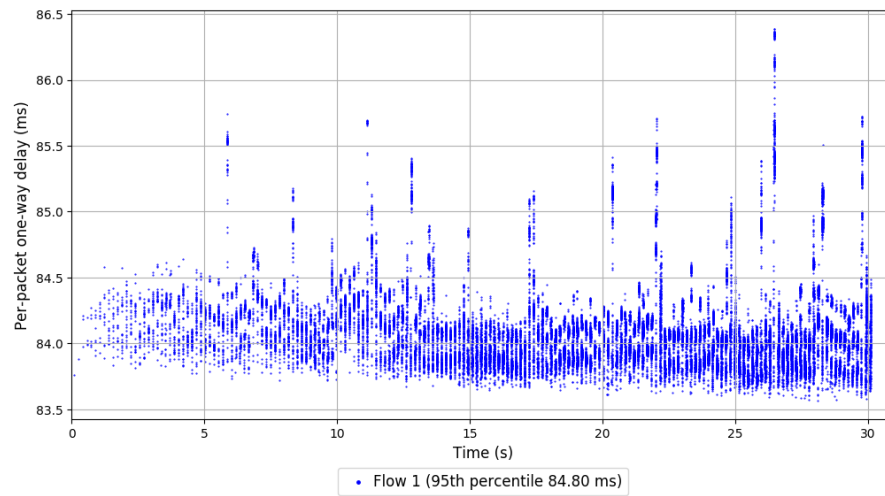
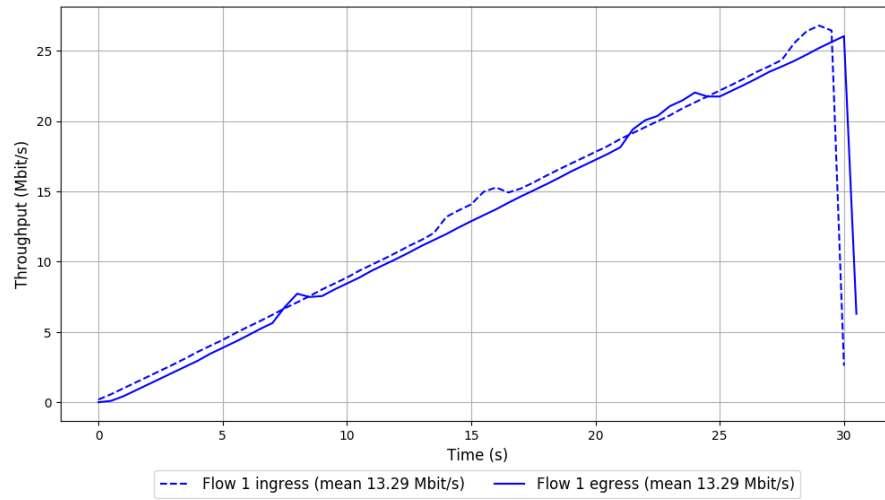


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 03:29:22
End at: 2018-05-24 03:29:52
Local clock offset: -2.591 ms
Remote clock offset: 7.328 ms

# Below is generated by plot.py at 2018-05-24 06:42:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 84.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 84.804 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-24 03:47:49

End at: 2018-05-24 03:48:19

Local clock offset: -6.977 ms

Remote clock offset: 7.655 ms

Below is generated by plot.py at 2018-05-24 06:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 90.352 ms

Loss rate: 0.00%

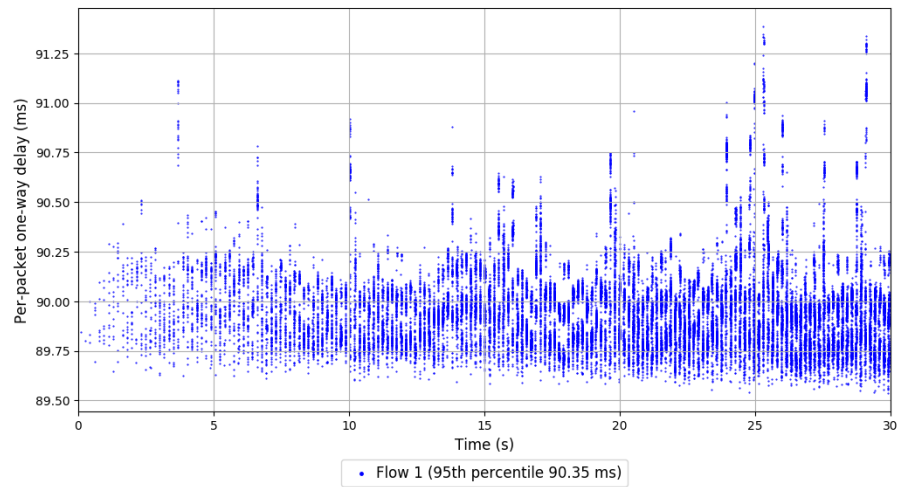
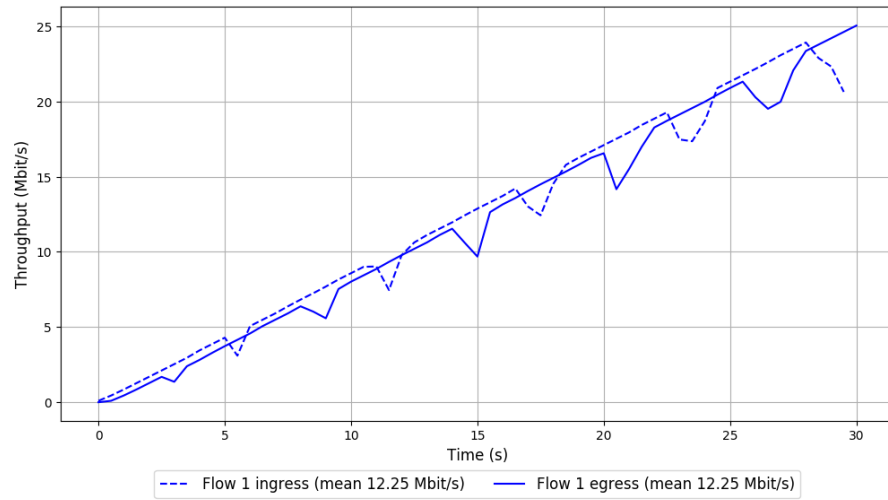
-- Flow 1:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 90.352 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

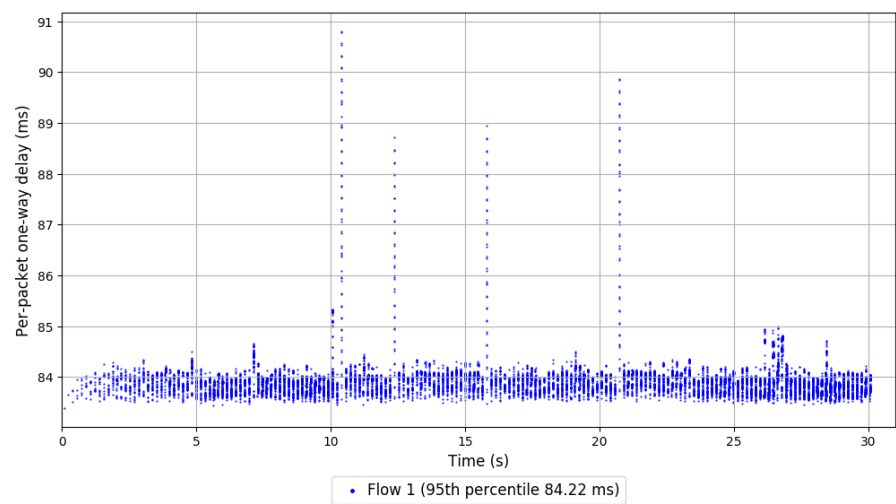
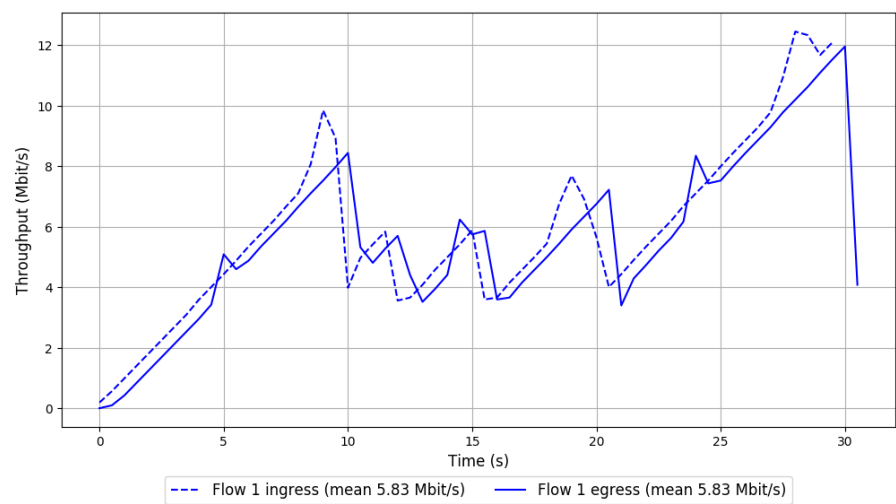


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 04:06:16
End at: 2018-05-24 04:06:47
Local clock offset: -7.015 ms
Remote clock offset: 10.014 ms

Below is generated by plot.py at 2018-05-24 06:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 84.217 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 84.217 ms
Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-24 04:24:43

End at: 2018-05-24 04:25:13

Local clock offset: -6.367 ms

Remote clock offset: 7.779 ms

Below is generated by plot.py at 2018-05-24 06:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 83.555 ms

Loss rate: 0.01%

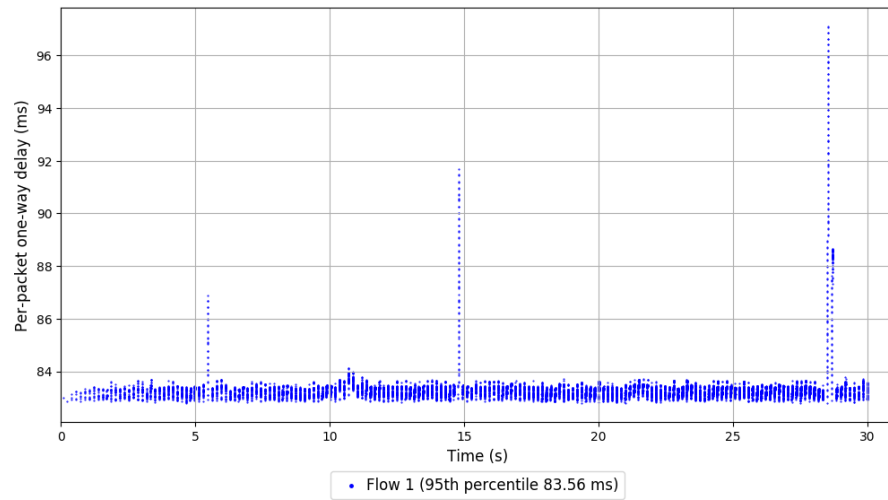
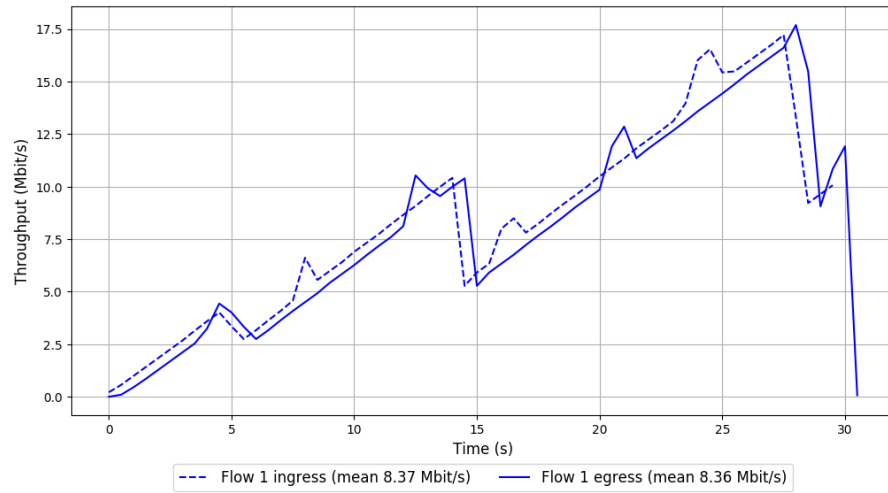
-- Flow 1:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 83.555 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-24 04:43:13

End at: 2018-05-24 04:43:43

Local clock offset: -6.394 ms

Remote clock offset: 2.764 ms

Below is generated by plot.py at 2018-05-24 06:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 79.194 ms

Loss rate: 0.00%

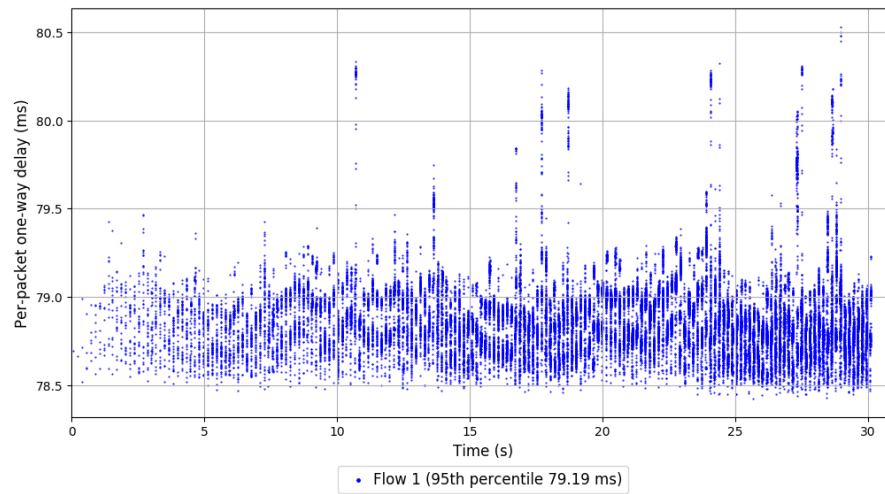
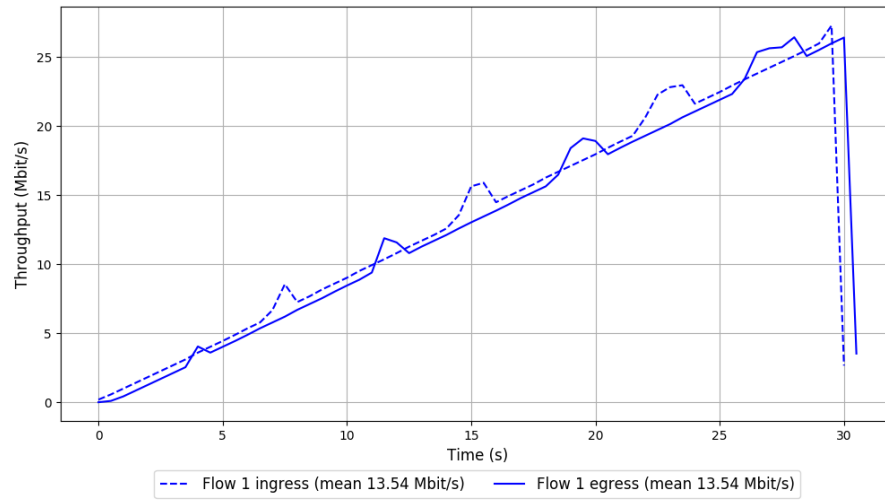
-- Flow 1:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 79.194 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-24 05:01:41

End at: 2018-05-24 05:02:11

Local clock offset: -3.631 ms

Remote clock offset: 5.118 ms

Below is generated by plot.py at 2018-05-24 06:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 79.680 ms

Loss rate: 0.00%

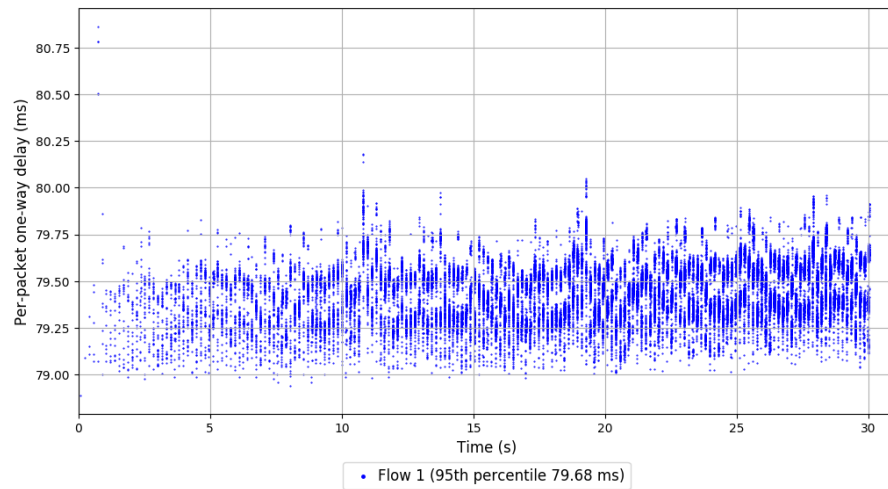
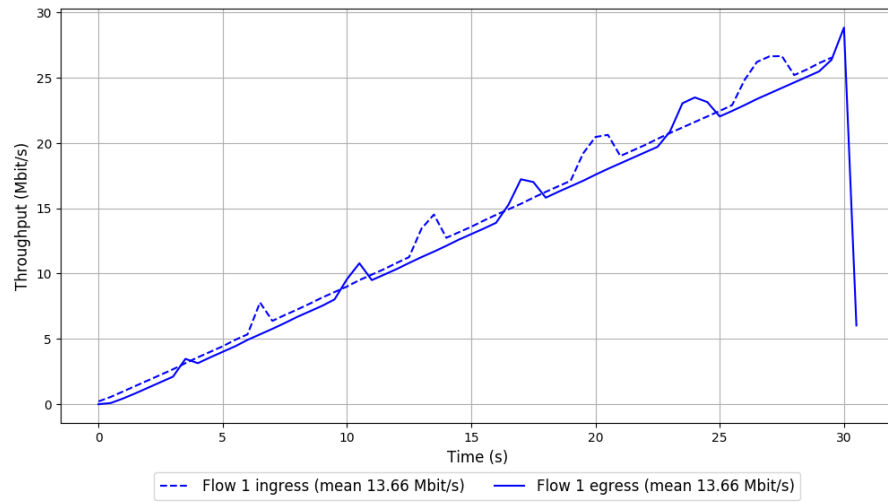
-- Flow 1:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 79.680 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-24 05:20:08

End at: 2018-05-24 05:20:38

Local clock offset: -1.945 ms

Remote clock offset: 6.871 ms

Below is generated by plot.py at 2018-05-24 06:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 81.773 ms

Loss rate: 0.02%

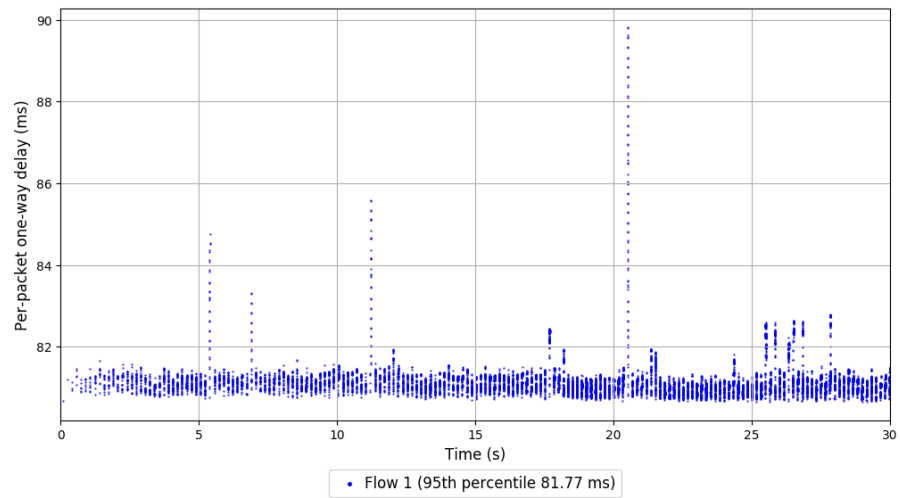
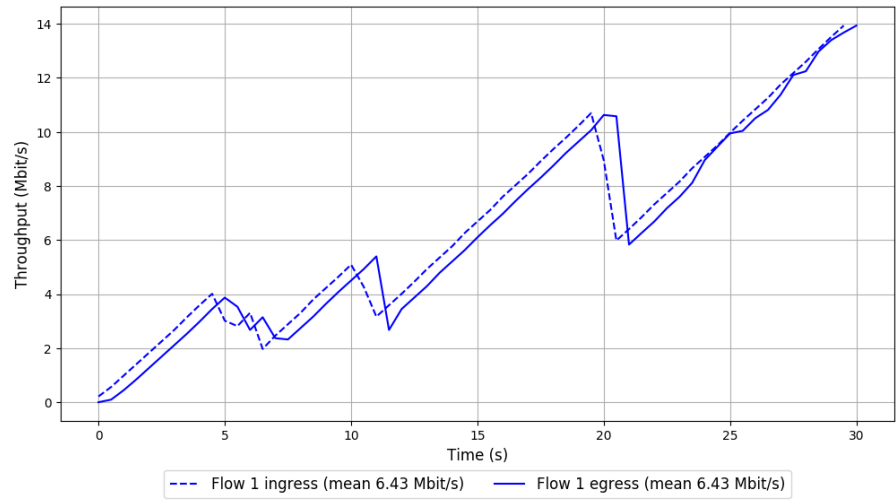
-- Flow 1:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 81.773 ms

Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

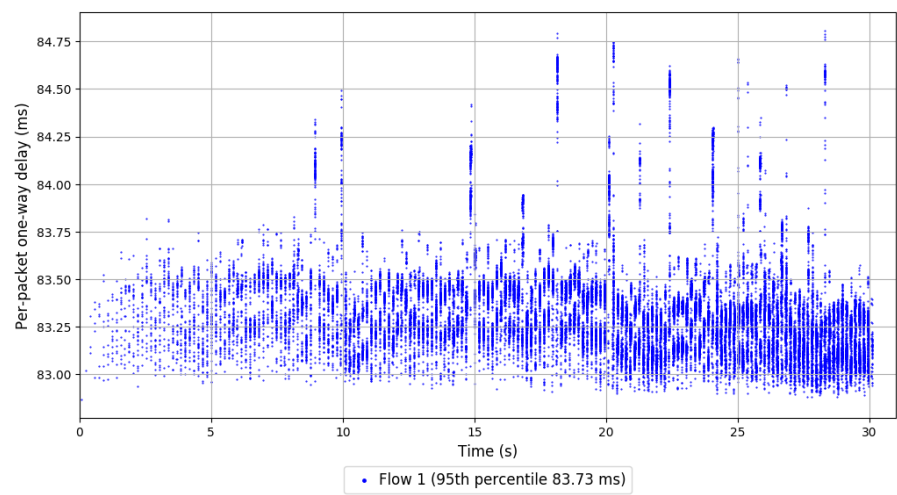
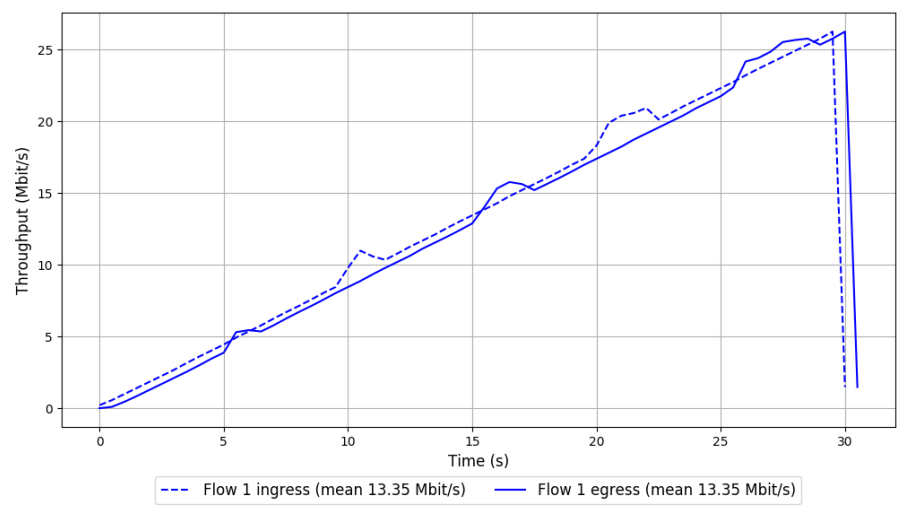


Run 8: Statistics of LEDBAT

Start at: 2018-05-24 05:38:37
End at: 2018-05-24 05:39:07
Local clock offset: -1.502 ms
Remote clock offset: 15.415 ms

Below is generated by plot.py at 2018-05-24 06:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 83.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 83.729 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

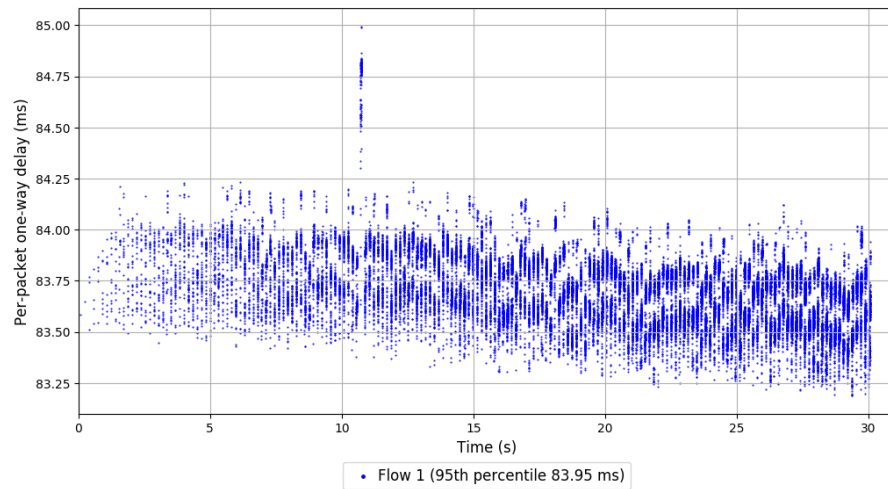
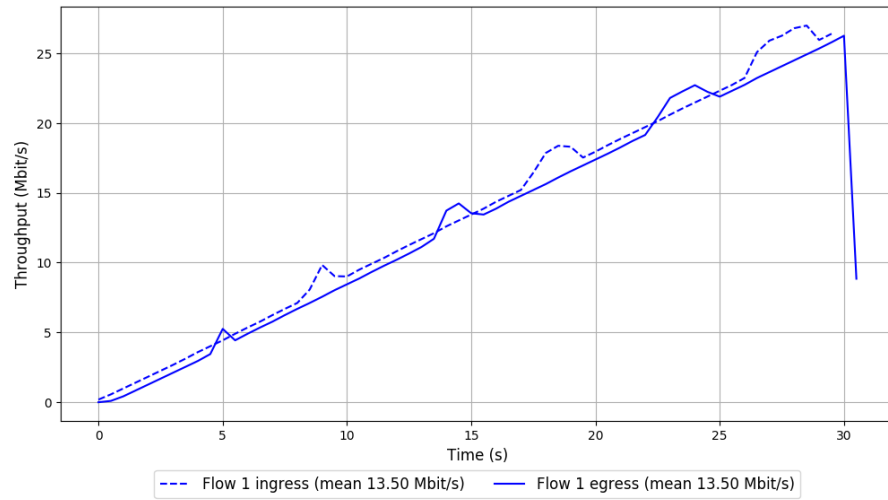


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 05:57:05
End at: 2018-05-24 05:57:36
Local clock offset: -2.76 ms
Remote clock offset: 15.334 ms

Below is generated by plot.py at 2018-05-24 06:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 83.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 83.947 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

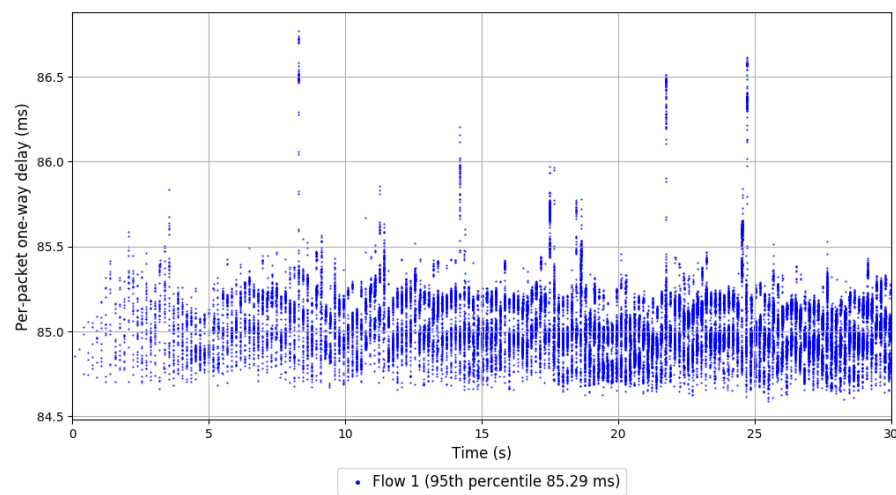
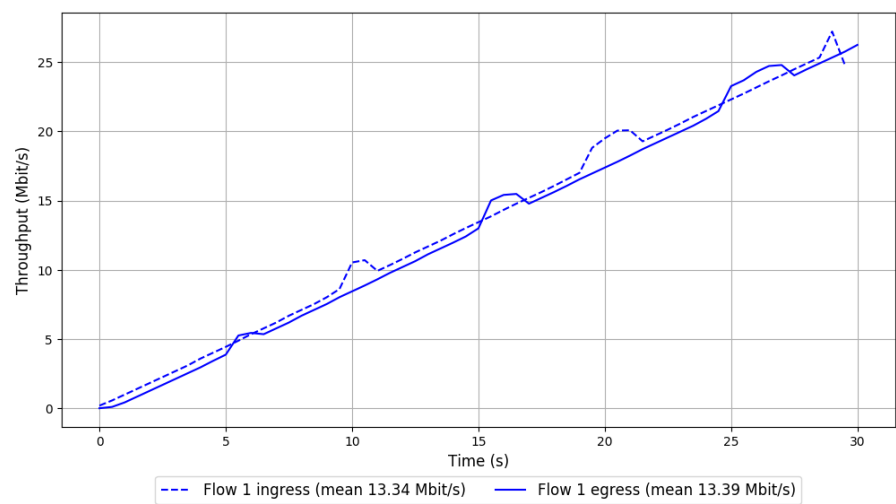


Run 10: Statistics of LEDBAT

Start at: 2018-05-24 06:15:34
End at: 2018-05-24 06:16:04
Local clock offset: -6.78 ms
Remote clock offset: 18.649 ms

Below is generated by plot.py at 2018-05-24 06:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 85.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 85.292 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 03:40:54

End at: 2018-05-24 03:41:24

Local clock offset: -6.136 ms

Remote clock offset: 7.795 ms

Below is generated by plot.py at 2018-05-24 06:42:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 105.344 ms

Loss rate: 1.62%

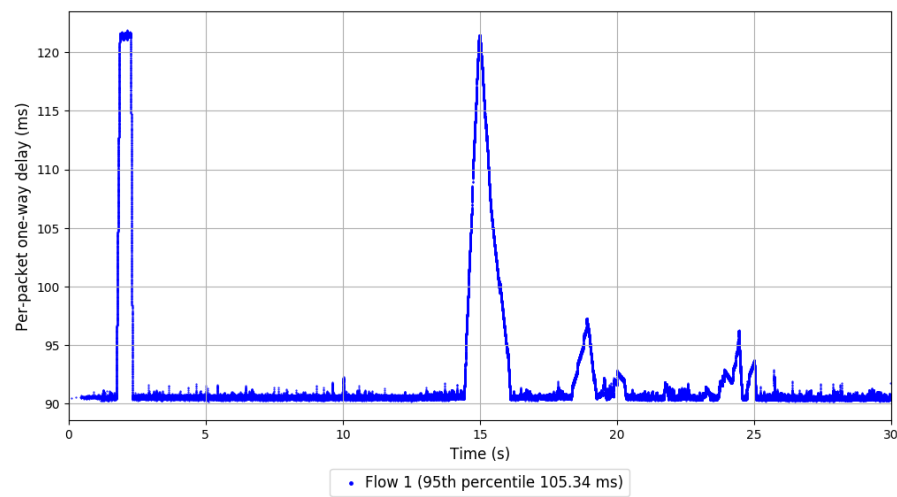
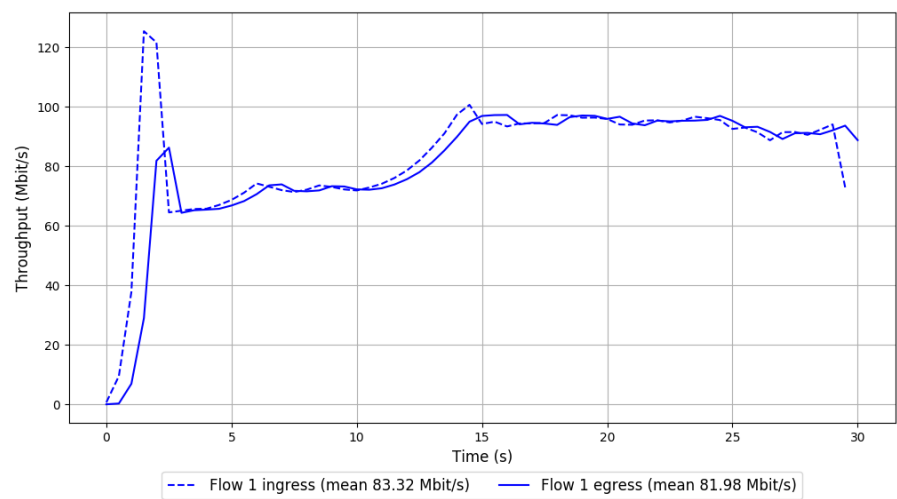
-- Flow 1:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 105.344 ms

Loss rate: 1.62%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 03:59:23

End at: 2018-05-24 03:59:53

Local clock offset: -8.097 ms

Remote clock offset: 8.185 ms

Below is generated by plot.py at 2018-05-24 06:42:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 97.227 ms

Loss rate: 1.42%

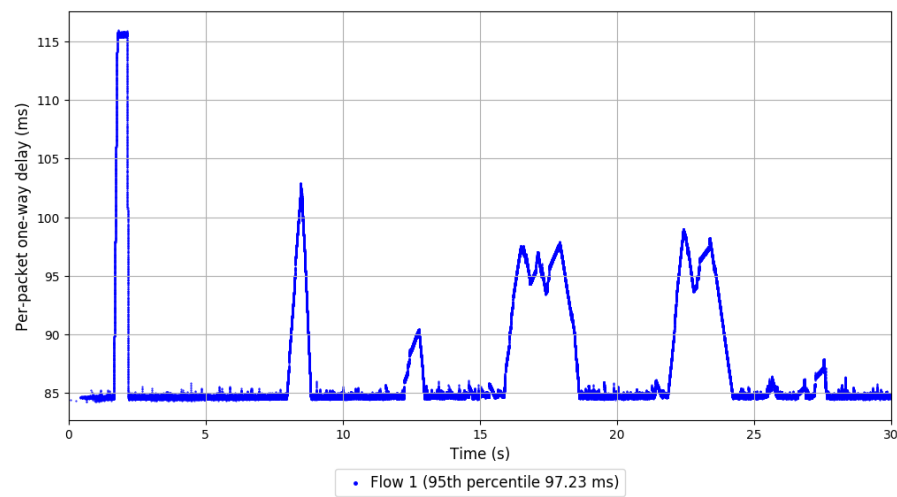
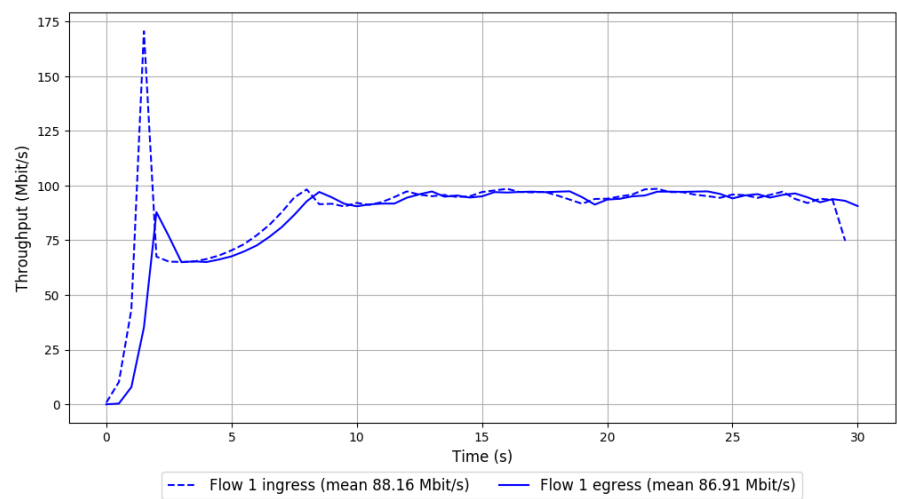
-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 97.227 ms

Loss rate: 1.42%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 04:17:48

End at: 2018-05-24 04:18:18

Local clock offset: -6.987 ms

Remote clock offset: 4.358 ms

Below is generated by plot.py at 2018-05-24 06:42:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 107.447 ms

Loss rate: 1.49%

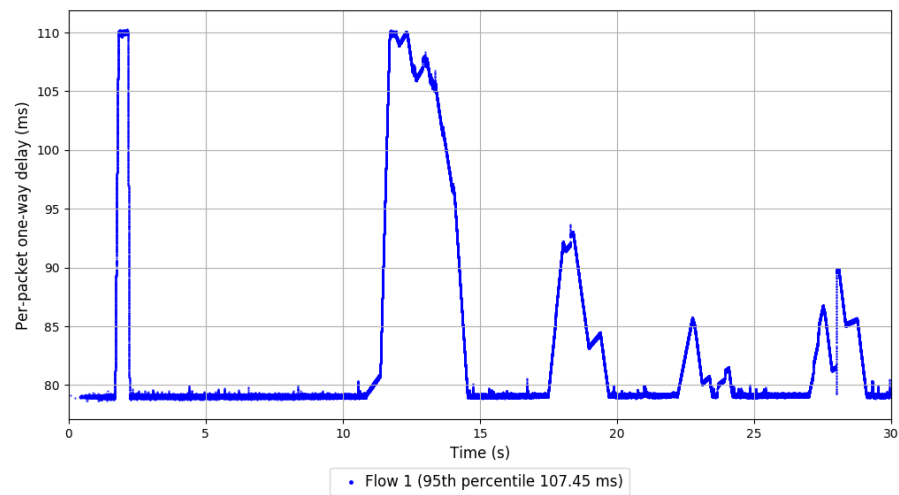
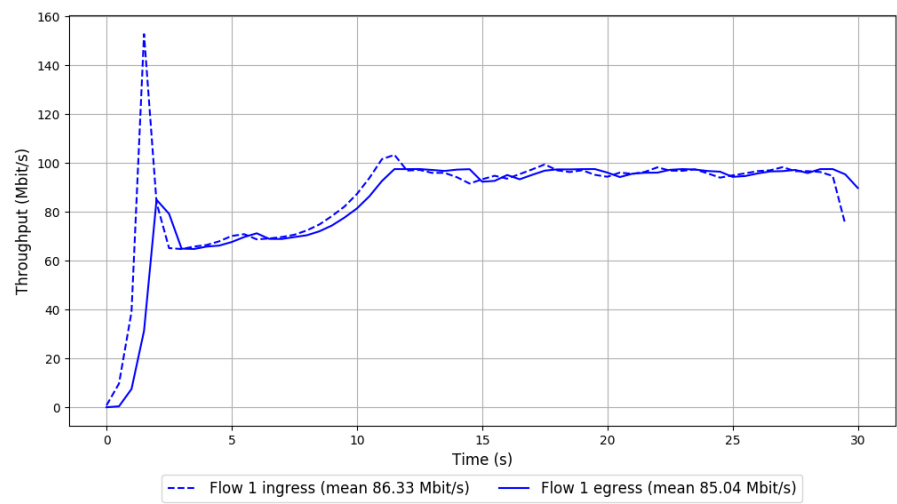
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 107.447 ms

Loss rate: 1.49%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 04:36:18

End at: 2018-05-24 04:36:48

Local clock offset: -6.461 ms

Remote clock offset: 6.56 ms

Below is generated by plot.py at 2018-05-24 06:42:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 92.734 ms

Loss rate: 1.45%

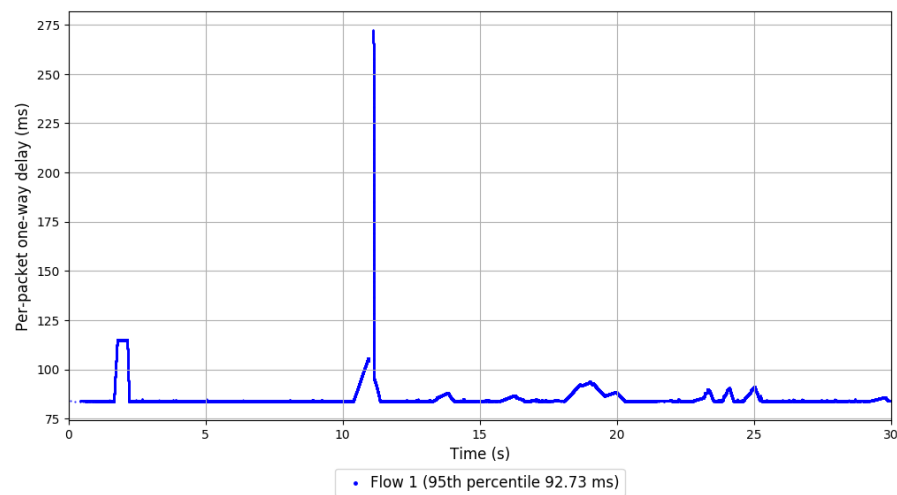
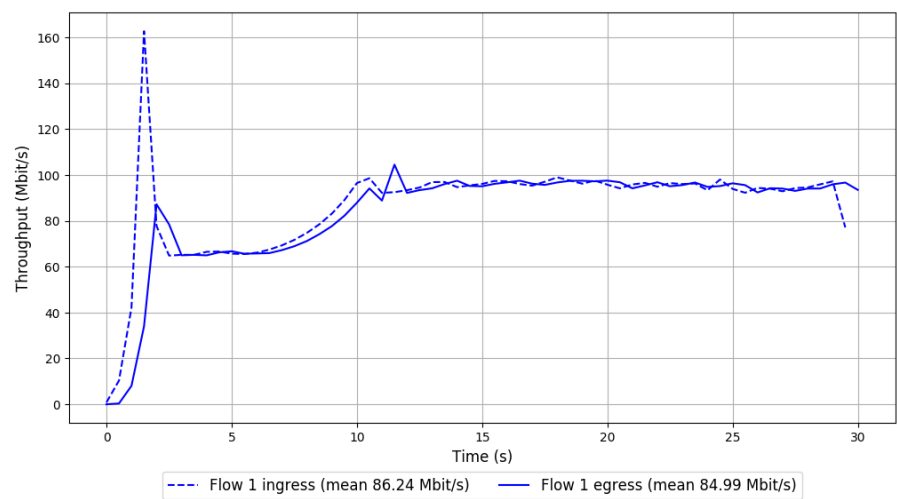
-- Flow 1:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 92.734 ms

Loss rate: 1.45%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 04:54:47

End at: 2018-05-24 04:55:17

Local clock offset: -5.528 ms

Remote clock offset: 8.623 ms

Below is generated by plot.py at 2018-05-24 06:43:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 99.290 ms

Loss rate: 1.39%

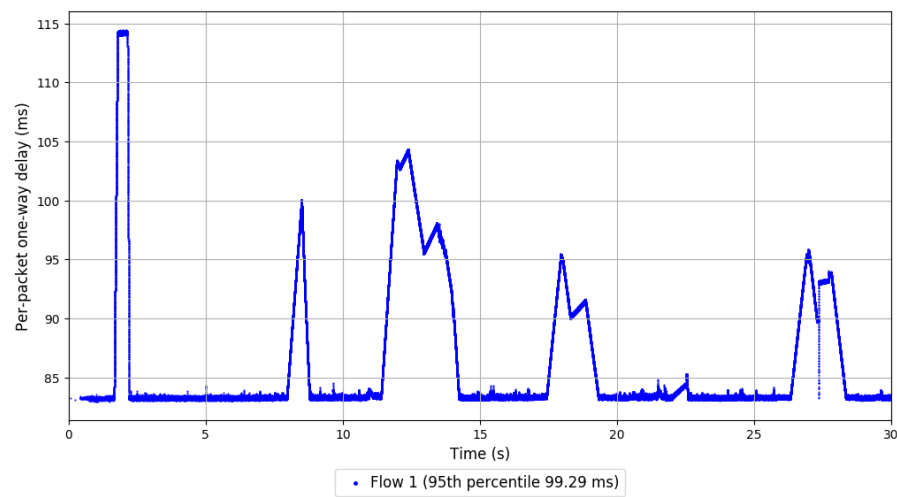
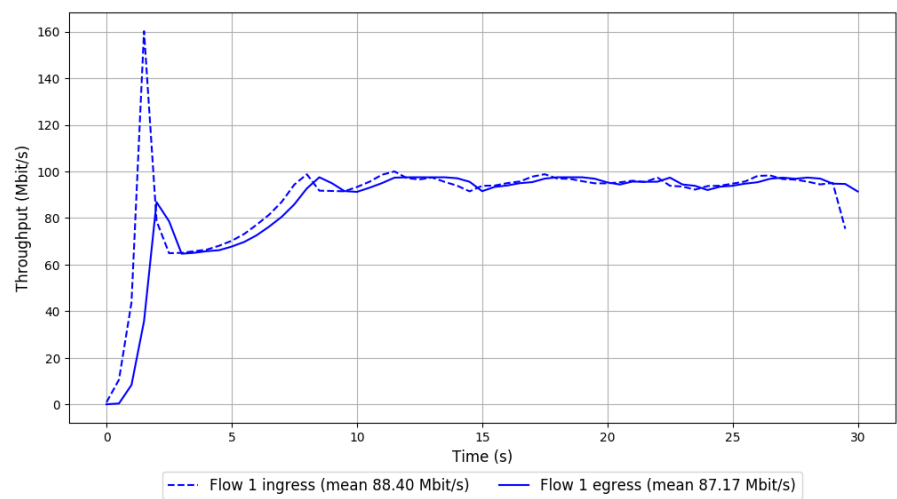
-- Flow 1:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 99.290 ms

Loss rate: 1.39%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 05:13:15

End at: 2018-05-24 05:13:45

Local clock offset: -2.504 ms

Remote clock offset: 9.232 ms

Below is generated by plot.py at 2018-05-24 06:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 102.968 ms

Loss rate: 1.39%

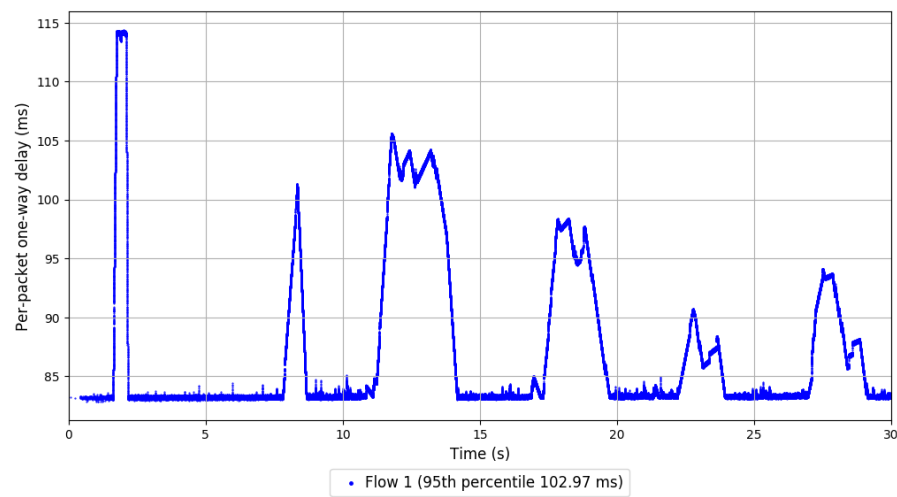
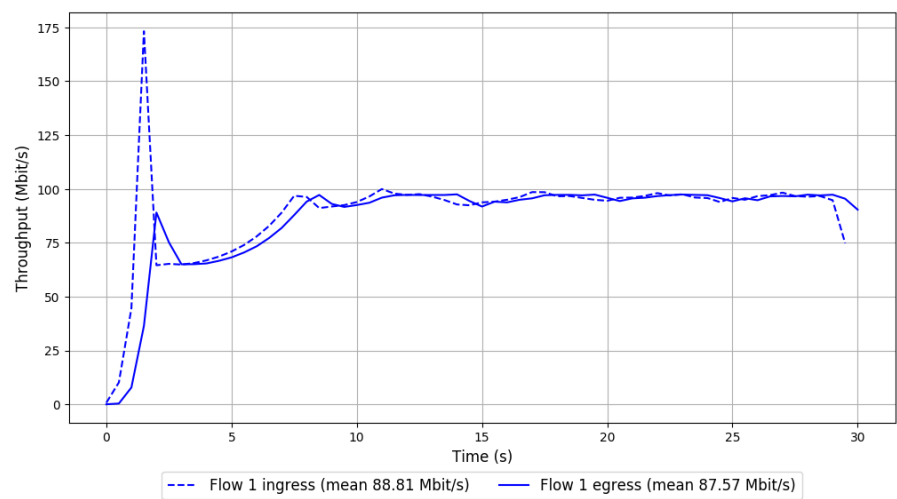
-- Flow 1:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 102.968 ms

Loss rate: 1.39%

Run 6: Report of PCC-Allegro — Data Link

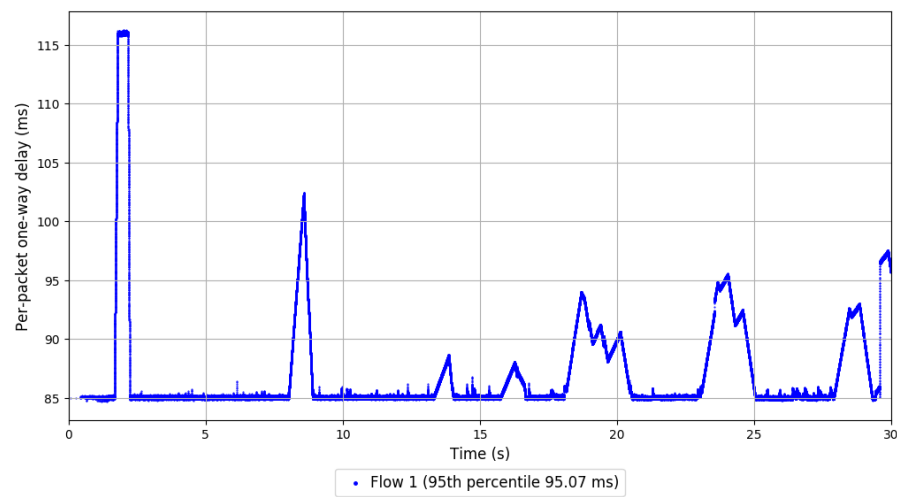
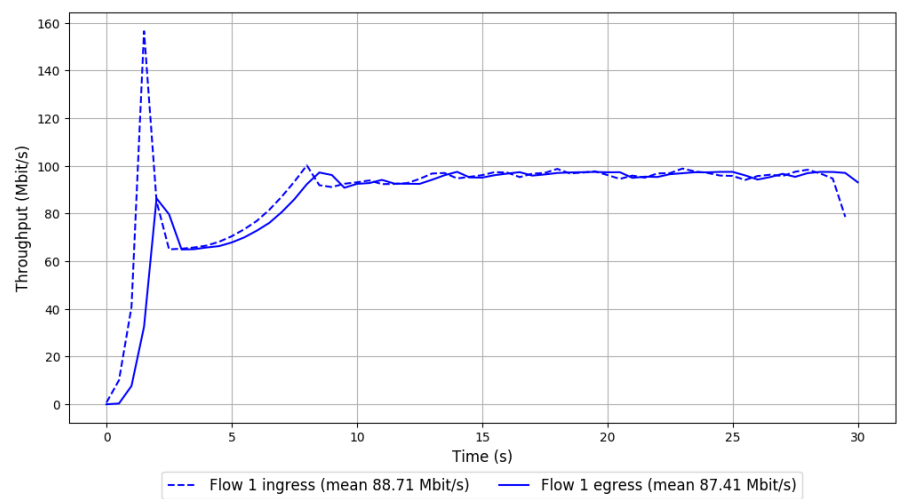


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 05:31:42
End at: 2018-05-24 05:32:12
Local clock offset: -1.303 ms
Remote clock offset: 13.599 ms

Below is generated by plot.py at 2018-05-24 06:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 95.074 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 95.074 ms
Loss rate: 1.44%

Run 7: Report of PCC-Allegro — Data Link

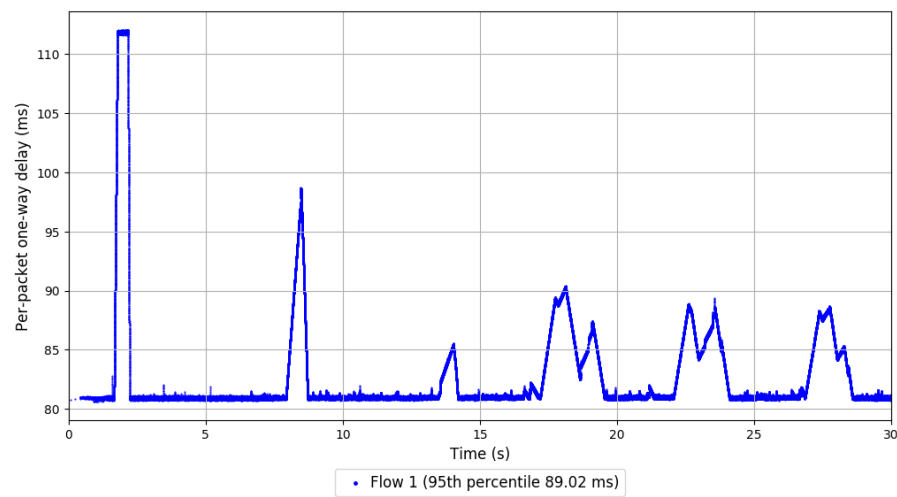
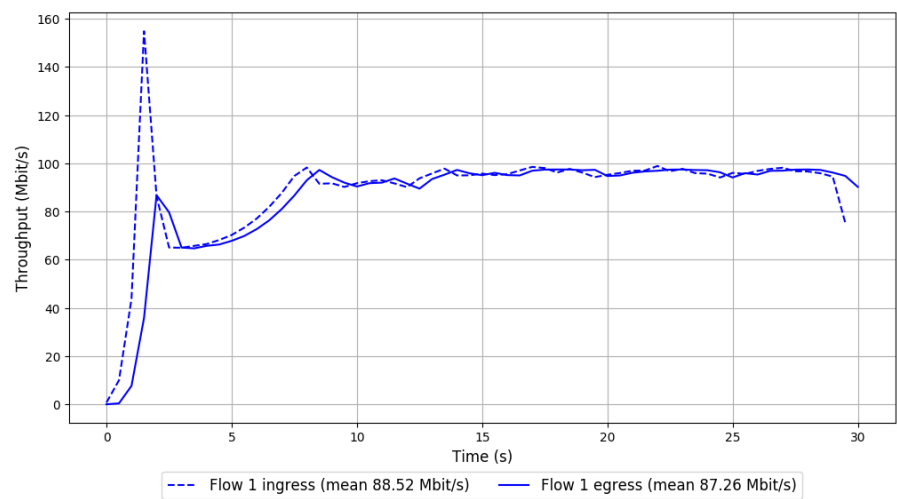


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 05:50:11
End at: 2018-05-24 05:50:41
Local clock offset: -2.967 ms
Remote clock offset: 11.097 ms

Below is generated by plot.py at 2018-05-24 06:43:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 89.022 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 89.022 ms
Loss rate: 1.42%

Run 8: Report of PCC-Allegro — Data Link

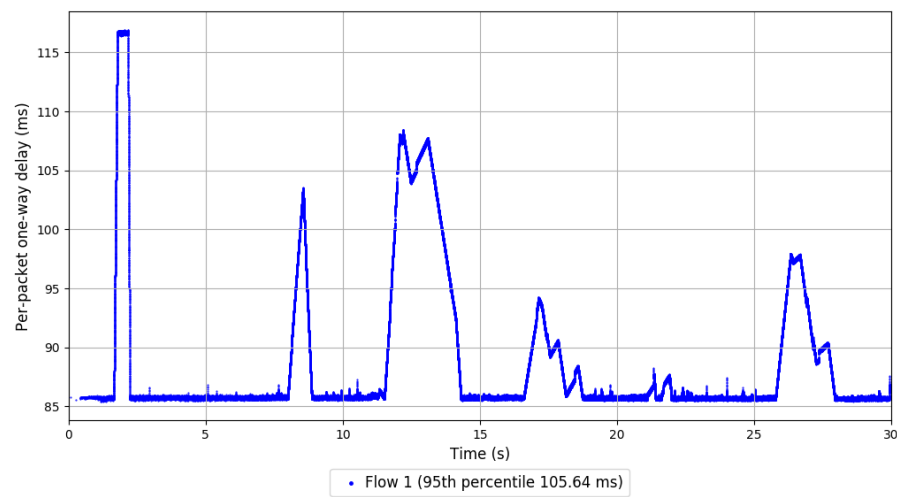
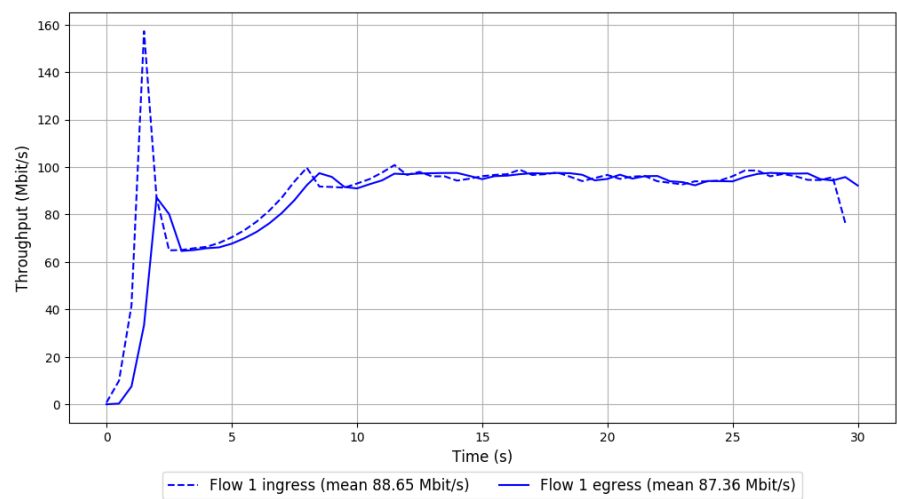


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 06:08:40
End at: 2018-05-24 06:09:10
Local clock offset: -6.594 ms
Remote clock offset: 17.265 ms

Below is generated by plot.py at 2018-05-24 06:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 105.642 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 105.642 ms
Loss rate: 1.46%

Run 9: Report of PCC-Allegro — Data Link

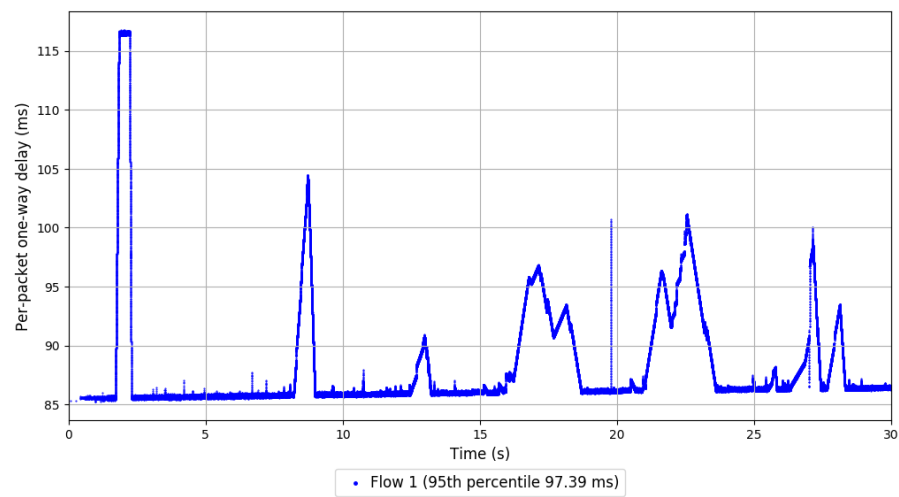
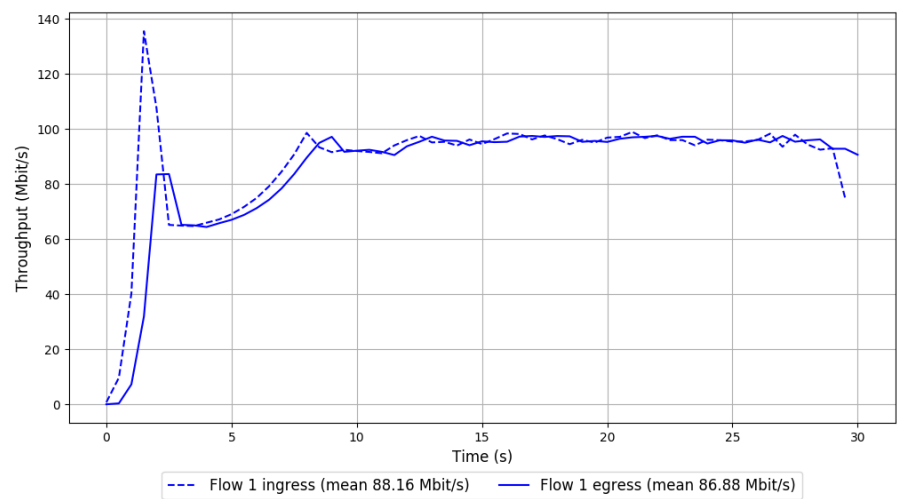


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 06:27:09
End at: 2018-05-24 06:27:39
Local clock offset: -6.864 ms
Remote clock offset: 17.689 ms

Below is generated by plot.py at 2018-05-24 06:44:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 97.392 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 97.392 ms
Loss rate: 1.45%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

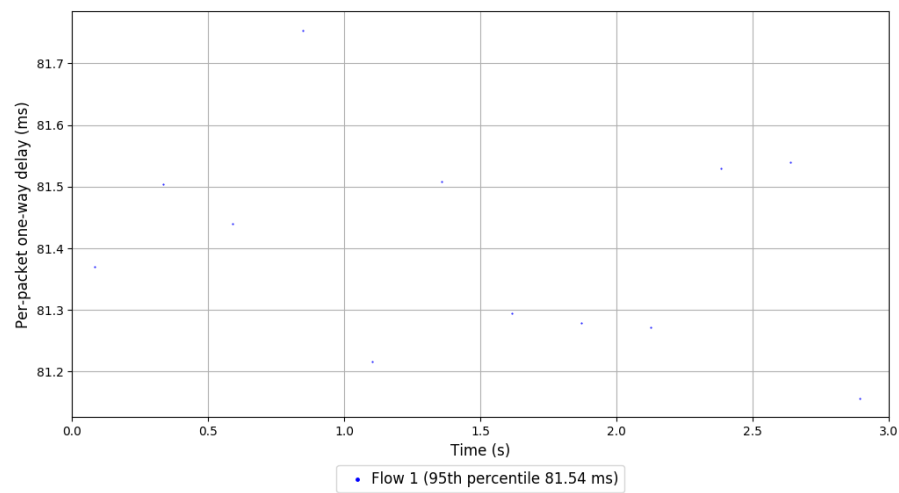
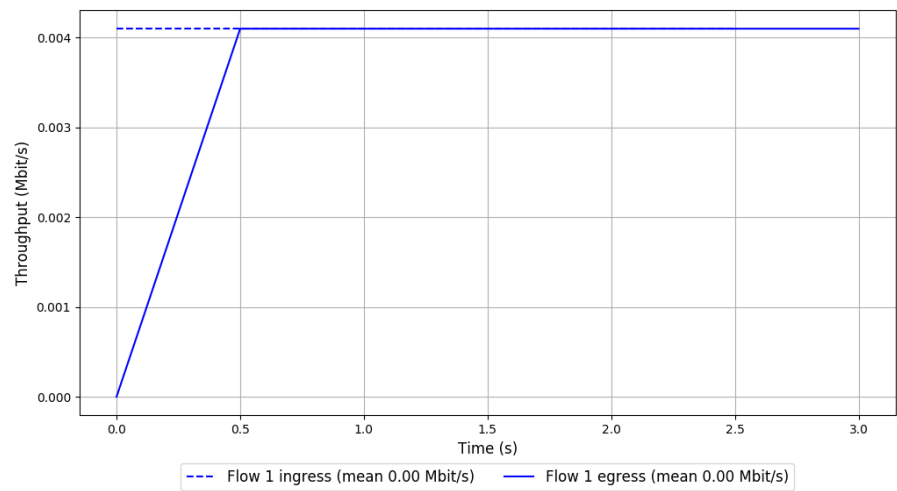
Start at: 2018-05-24 03:36:18

End at: 2018-05-24 03:36:48

Local clock offset: -5.911 ms

Remote clock offset: 3.025 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

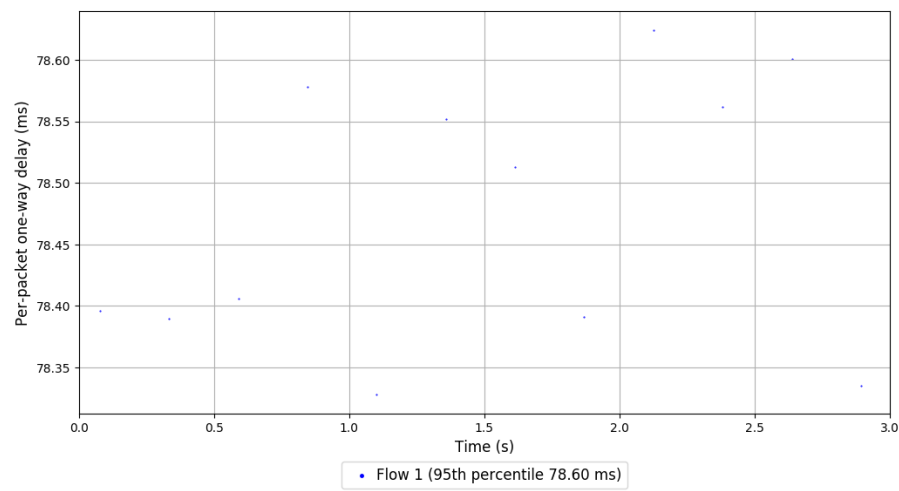
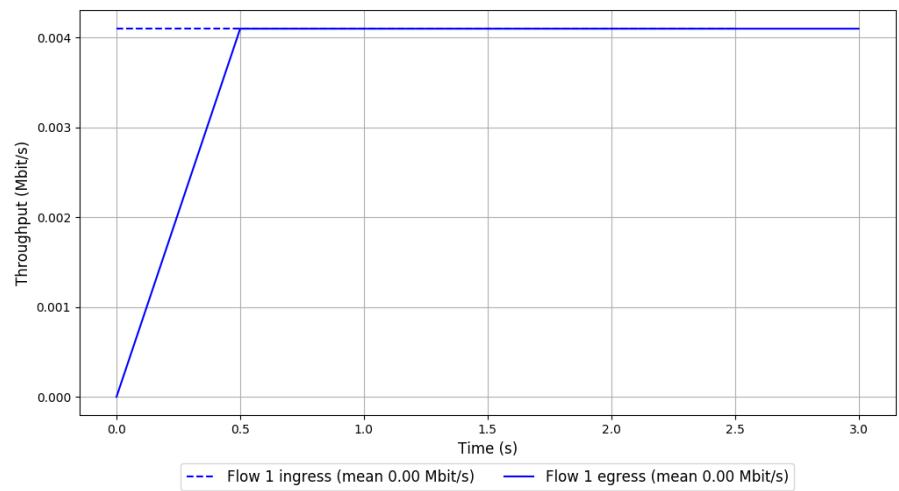
Start at: 2018-05-24 03:54:45

End at: 2018-05-24 03:55:15

Local clock offset: -6.755 ms

Remote clock offset: 5.036 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

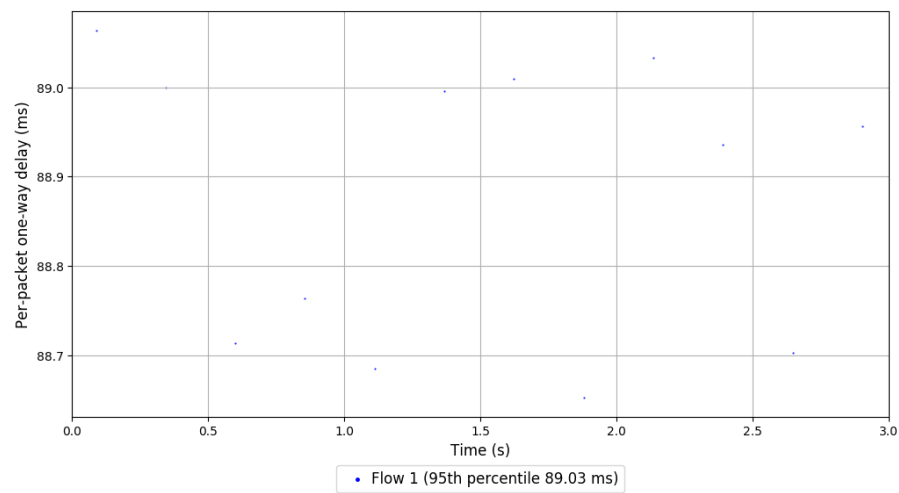
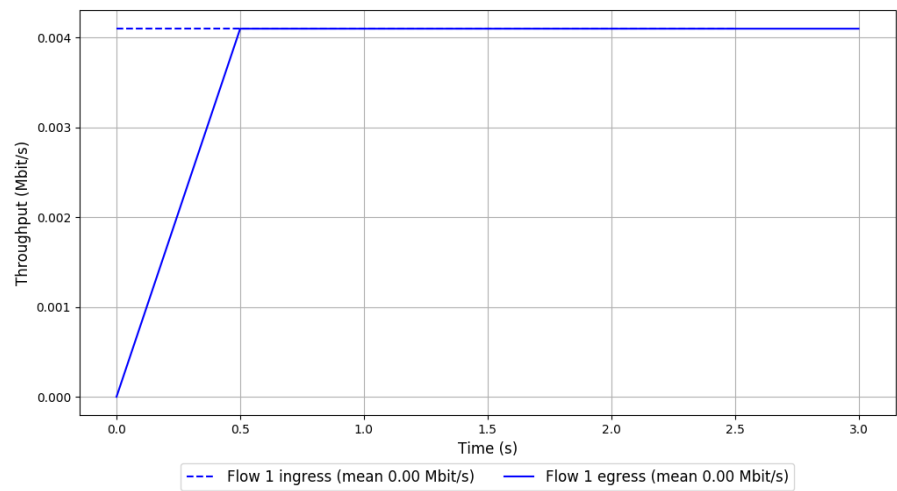
Start at: 2018-05-24 04:13:12

End at: 2018-05-24 04:13:42

Local clock offset: -6.252 ms

Remote clock offset: 7.8 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

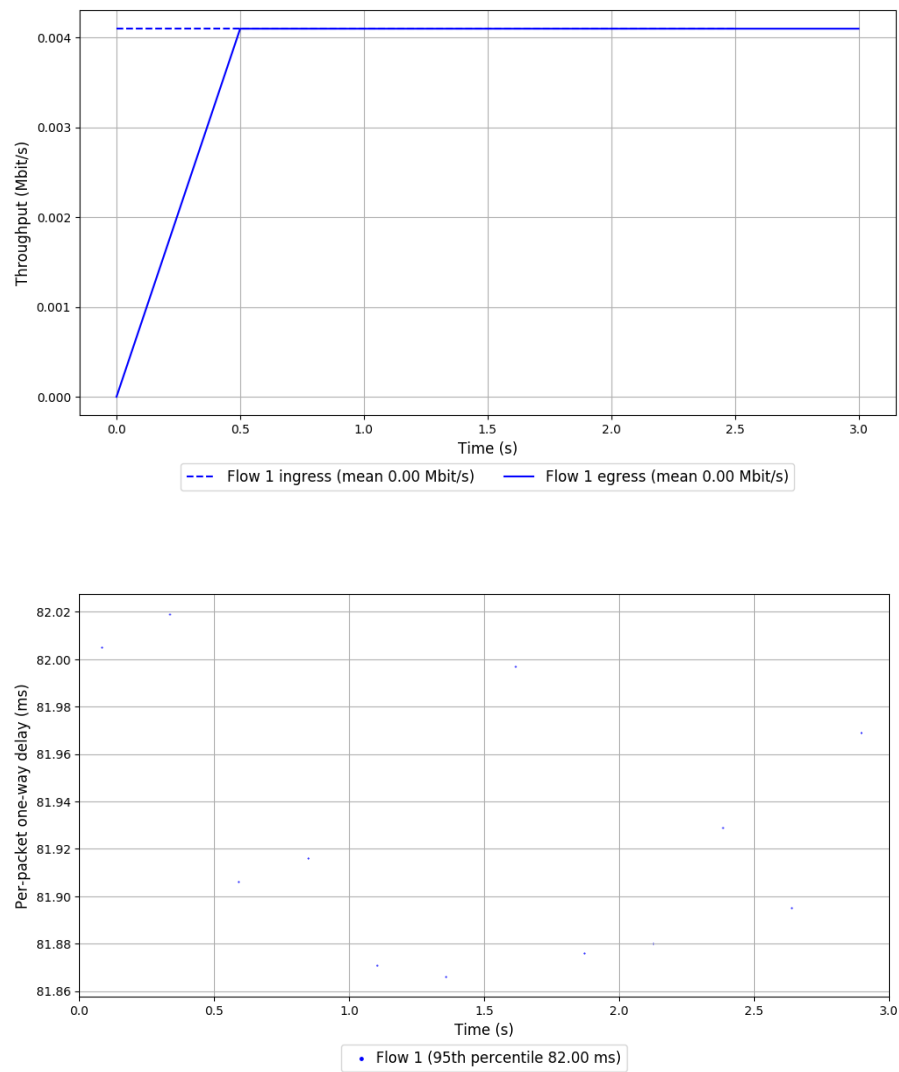
Start at: 2018-05-24 04:31:39

End at: 2018-05-24 04:32:09

Local clock offset: -6.723 ms

Remote clock offset: 3.713 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

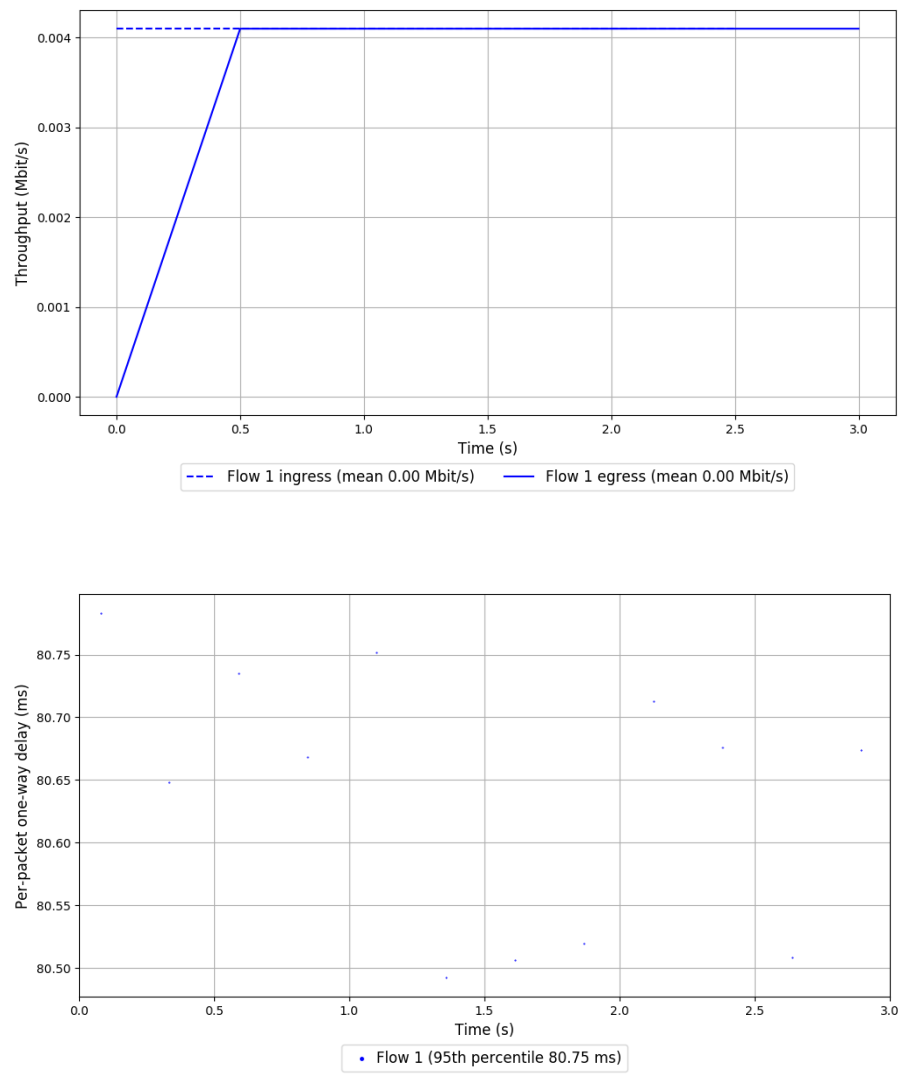
Start at: 2018-05-24 04:50:08

End at: 2018-05-24 04:50:39

Local clock offset: -7.07 ms

Remote clock offset: 3.515 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

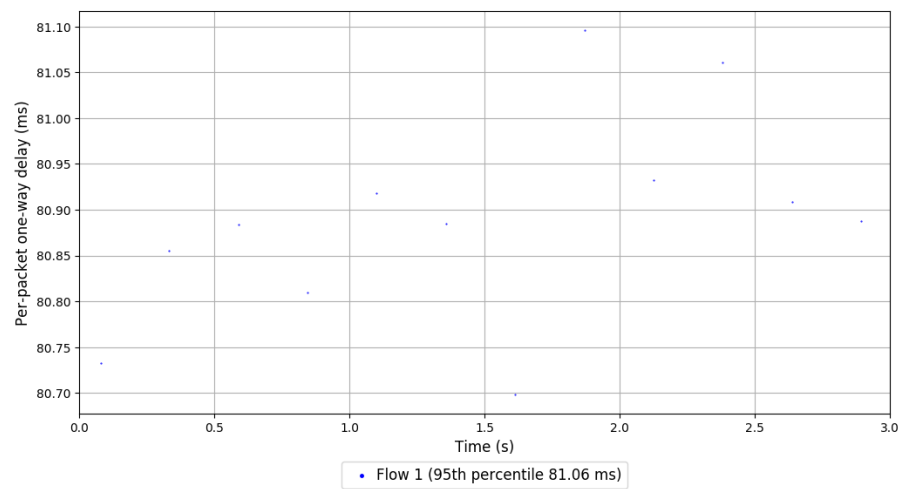
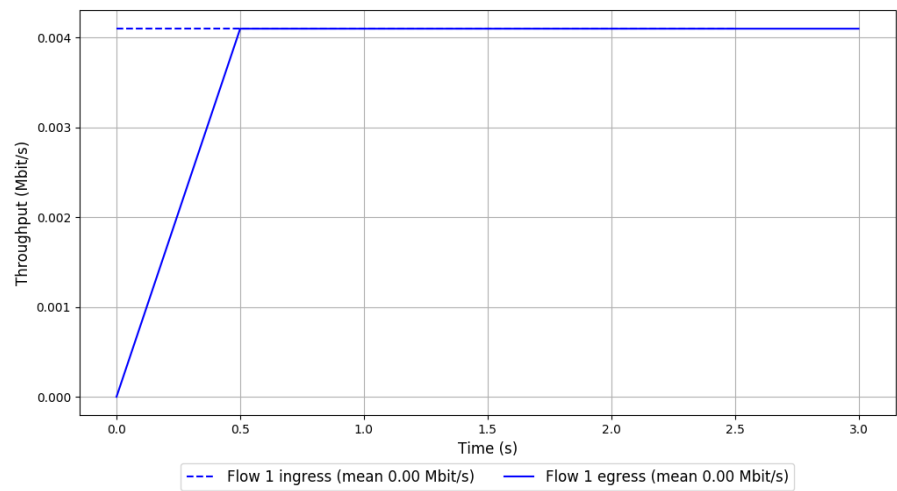
Start at: 2018-05-24 05:08:36

End at: 2018-05-24 05:09:06

Local clock offset: -3.05 ms

Remote clock offset: 5.336 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

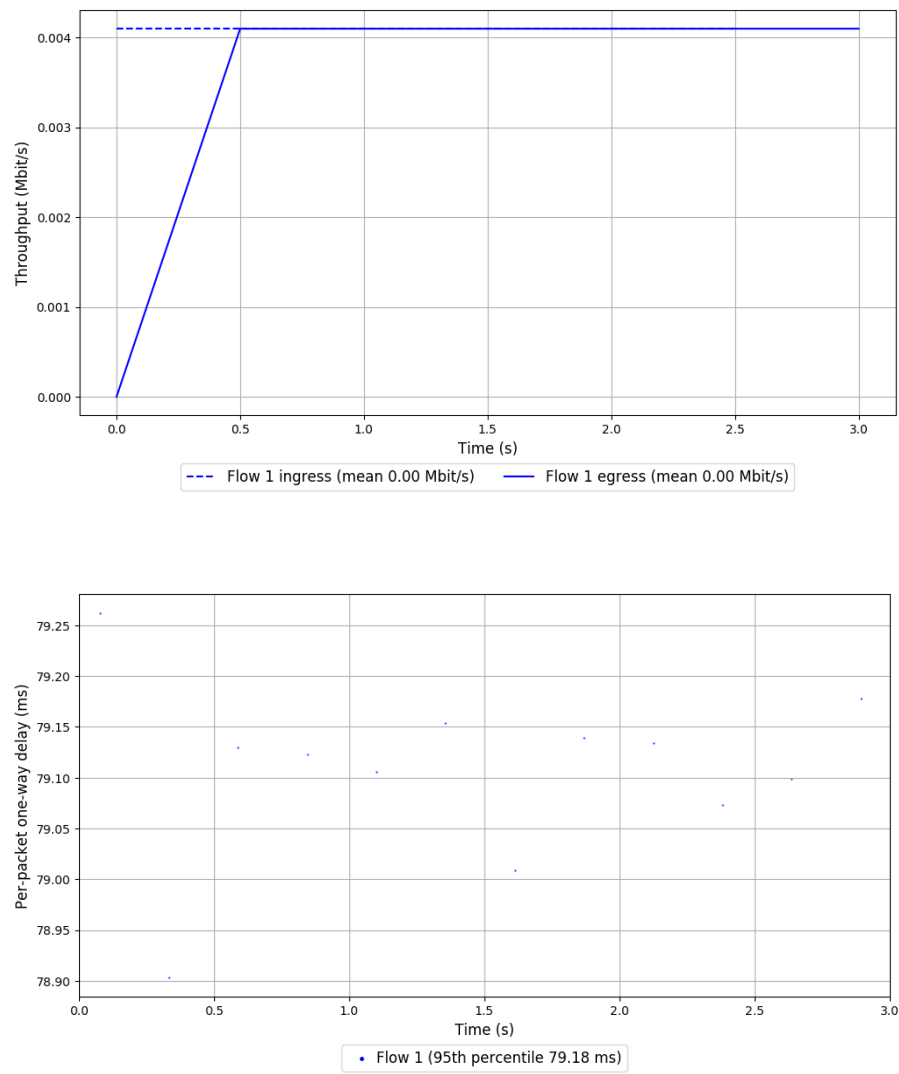
Start at: 2018-05-24 05:27:04

End at: 2018-05-24 05:27:34

Local clock offset: -0.917 ms

Remote clock offset: 8.838 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

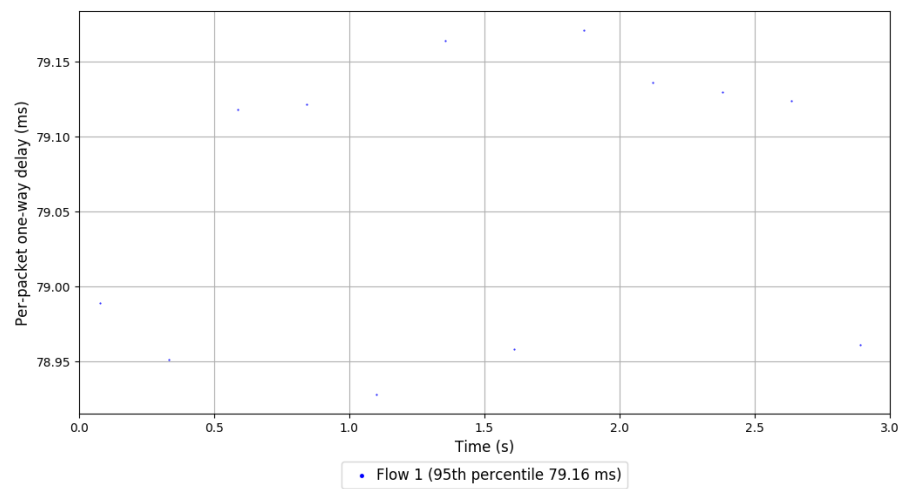
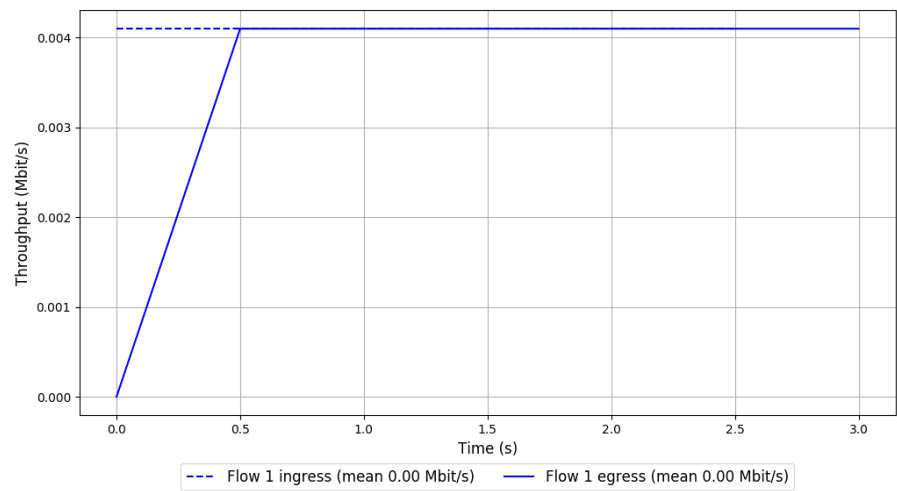
Start at: 2018-05-24 05:45:33

End at: 2018-05-24 05:46:03

Local clock offset: -1.505 ms

Remote clock offset: 11.271 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

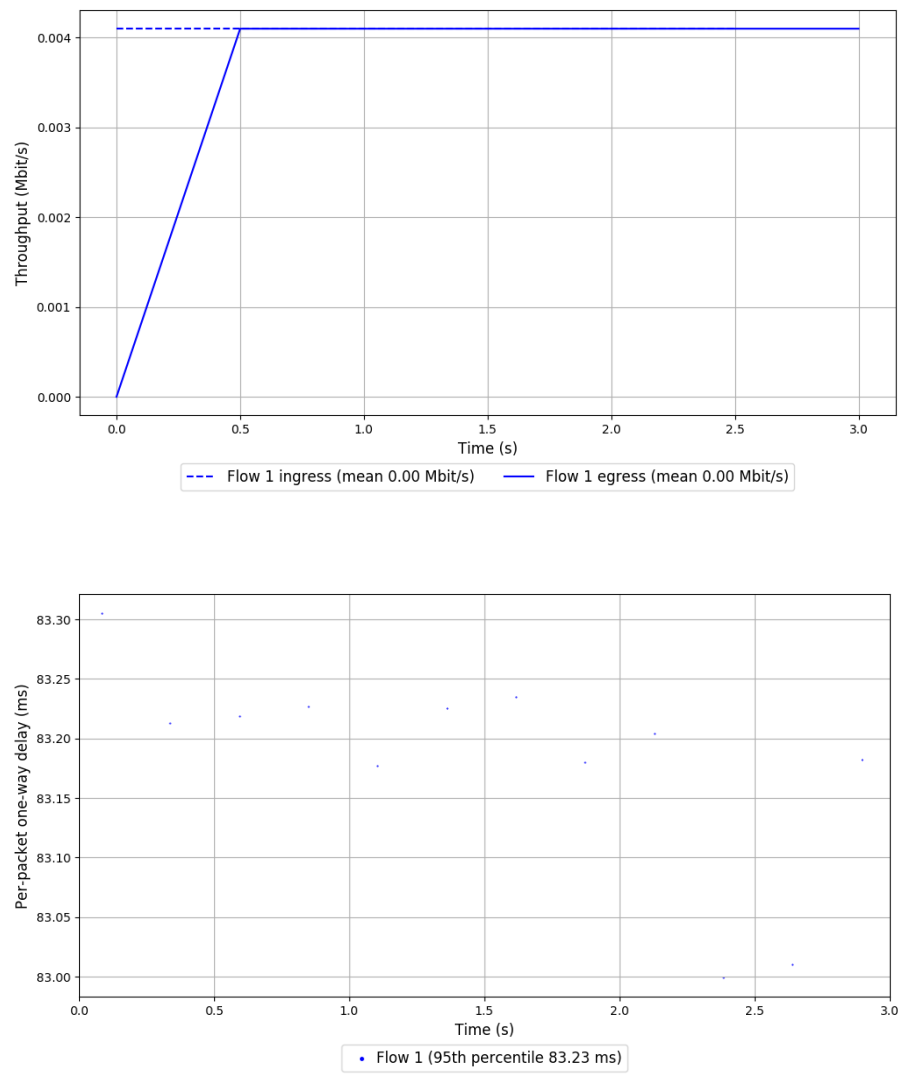
Start at: 2018-05-24 06:04:01

End at: 2018-05-24 06:04:31

Local clock offset: -6.363 ms

Remote clock offset: 16.032 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

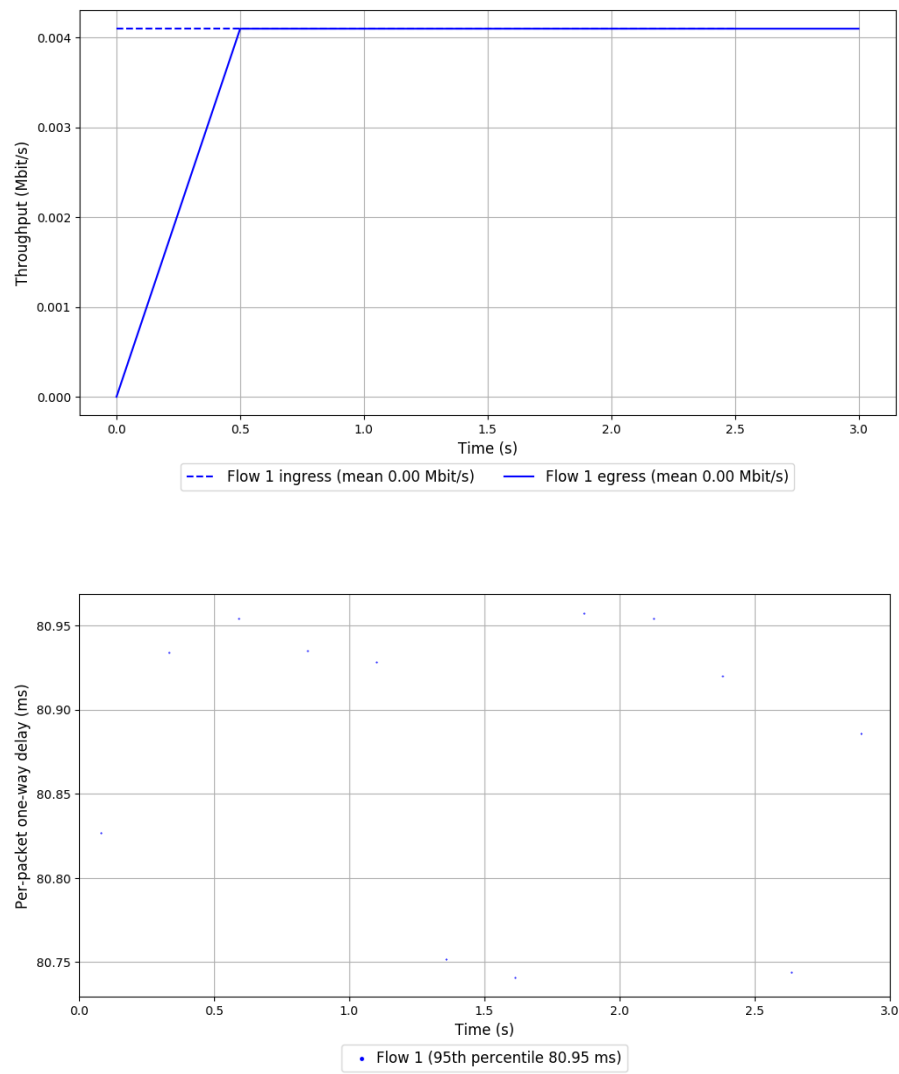
Start at: 2018-05-24 06:22:31

End at: 2018-05-24 06:23:01

Local clock offset: -8.12 ms

Remote clock offset: 14.587 ms

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 03:37:24

End at: 2018-05-24 03:37:54

Local clock offset: -5.455 ms

Remote clock offset: 7.033 ms

Below is generated by plot.py at 2018-05-24 06:44:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.04 Mbit/s

95th percentile per-packet one-way delay: 106.770 ms

Loss rate: 0.40%

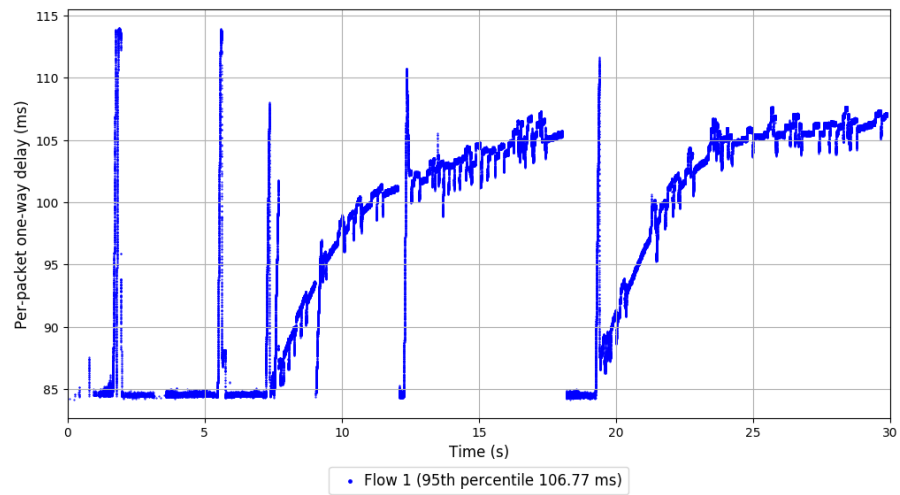
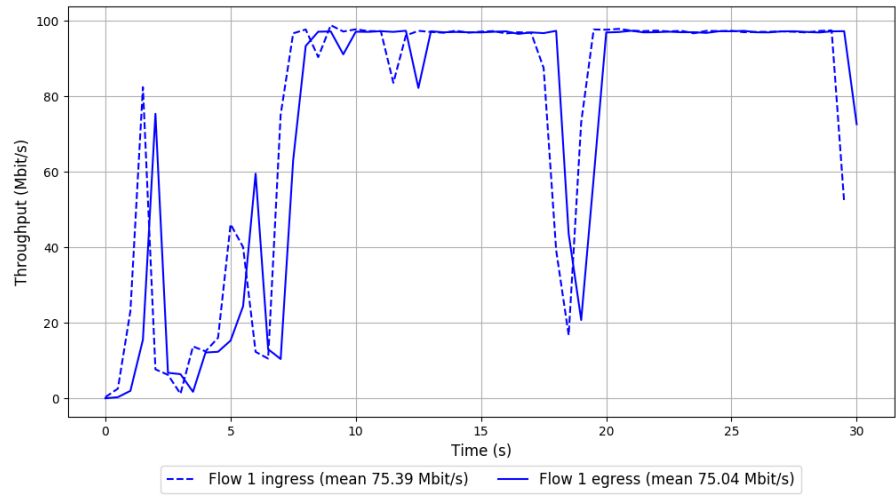
-- Flow 1:

Average throughput: 75.04 Mbit/s

95th percentile per-packet one-way delay: 106.770 ms

Loss rate: 0.40%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 03:55:51

End at: 2018-05-24 03:56:21

Local clock offset: -7.687 ms

Remote clock offset: 4.289 ms

Below is generated by plot.py at 2018-05-24 06:44:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.68 Mbit/s

95th percentile per-packet one-way delay: 100.087 ms

Loss rate: 0.48%

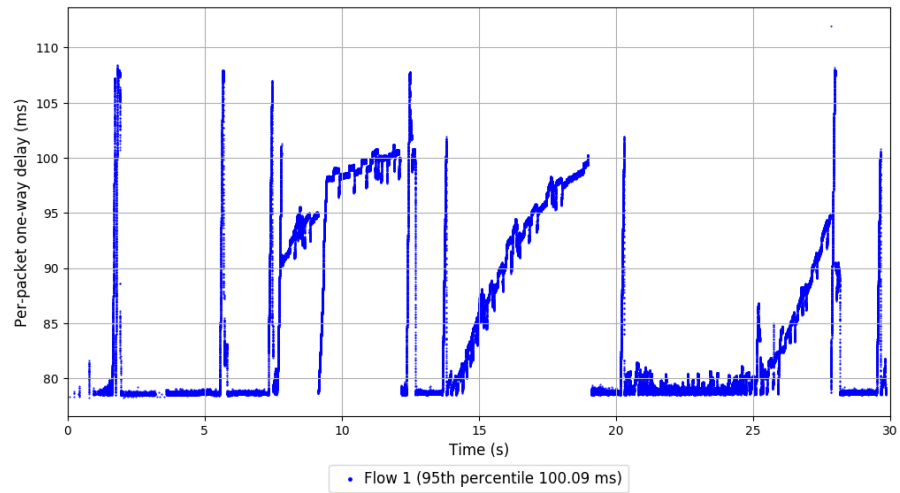
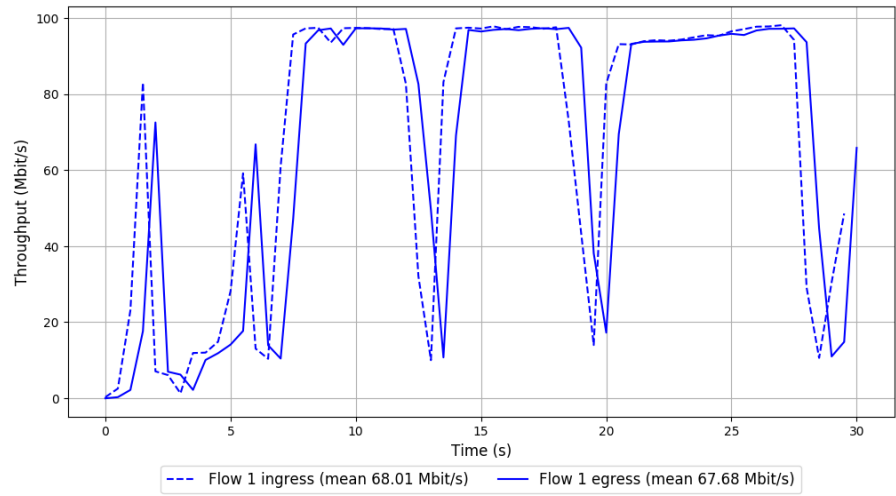
-- Flow 1:

Average throughput: 67.68 Mbit/s

95th percentile per-packet one-way delay: 100.087 ms

Loss rate: 0.48%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 04:14:18

End at: 2018-05-24 04:14:48

Local clock offset: -6.969 ms

Remote clock offset: 4.775 ms

Below is generated by plot.py at 2018-05-24 06:44:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 105.754 ms

Loss rate: 0.44%

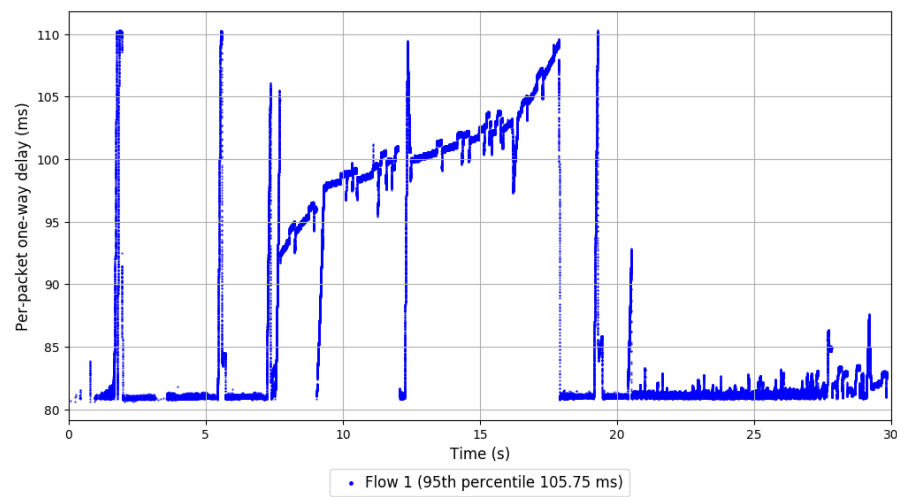
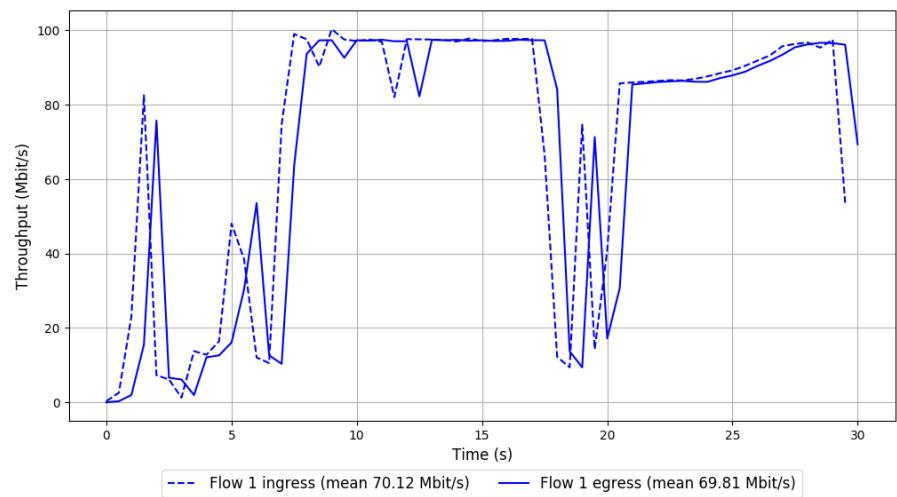
-- Flow 1:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 105.754 ms

Loss rate: 0.44%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 04:32:45

End at: 2018-05-24 04:33:15

Local clock offset: -6.604 ms

Remote clock offset: 7.476 ms

Below is generated by plot.py at 2018-05-24 06:44:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 105.413 ms

Loss rate: 0.38%

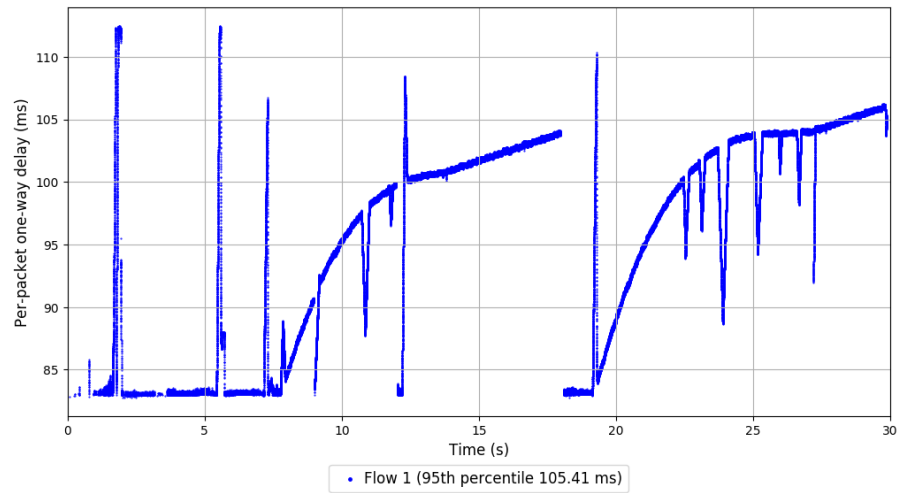
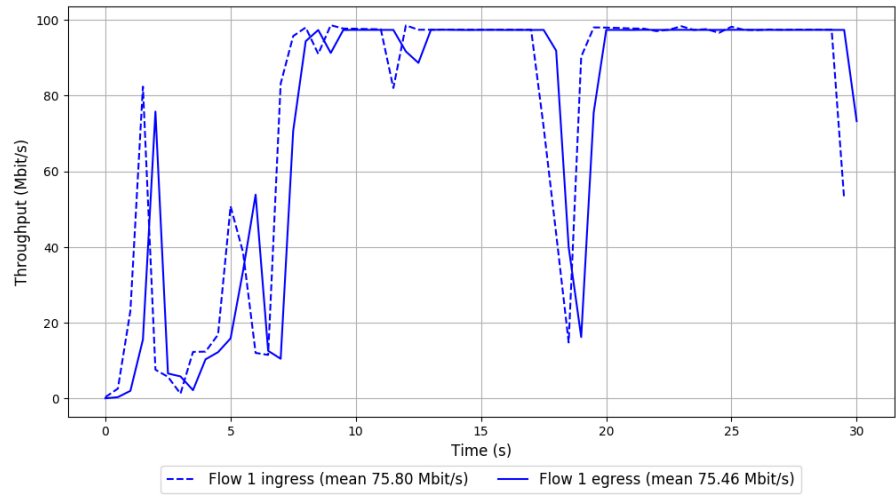
-- Flow 1:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 105.413 ms

Loss rate: 0.38%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 04:51:15

End at: 2018-05-24 04:51:45

Local clock offset: -7.065 ms

Remote clock offset: 8.327 ms

Below is generated by plot.py at 2018-05-24 06:44:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.02 Mbit/s

95th percentile per-packet one-way delay: 93.157 ms

Loss rate: 0.41%

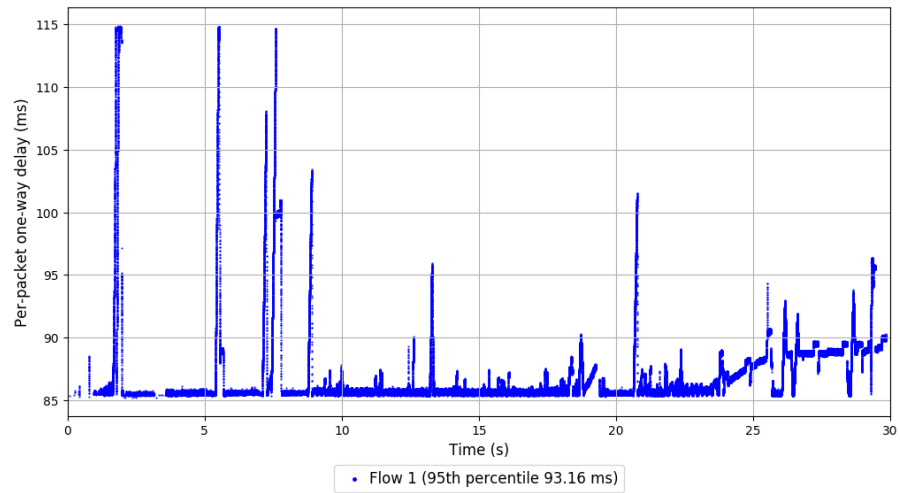
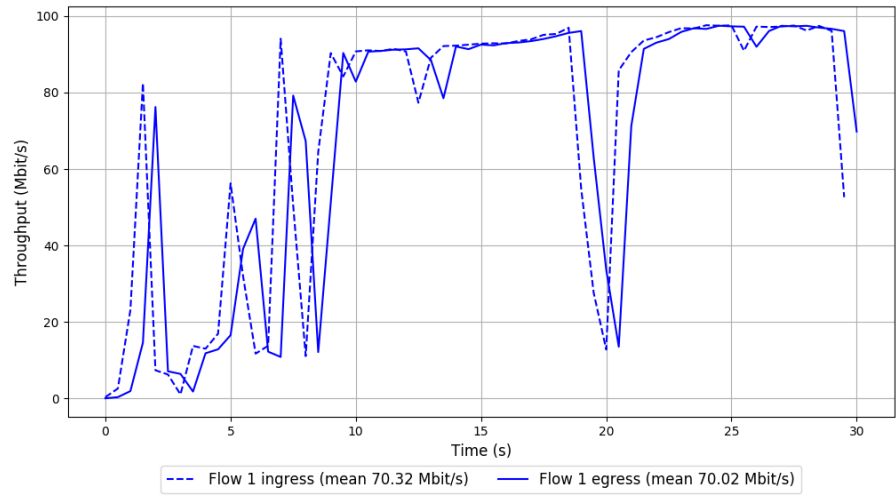
-- Flow 1:

Average throughput: 70.02 Mbit/s

95th percentile per-packet one-way delay: 93.157 ms

Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 05:09:43

End at: 2018-05-24 05:10:13

Local clock offset: -2.136 ms

Remote clock offset: 9.03 ms

Below is generated by plot.py at 2018-05-24 06:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.58 Mbit/s

95th percentile per-packet one-way delay: 101.347 ms

Loss rate: 0.41%

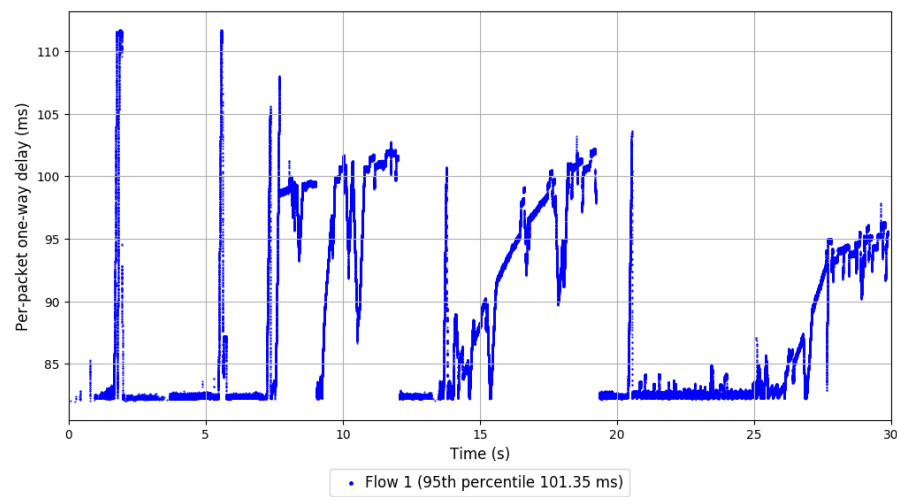
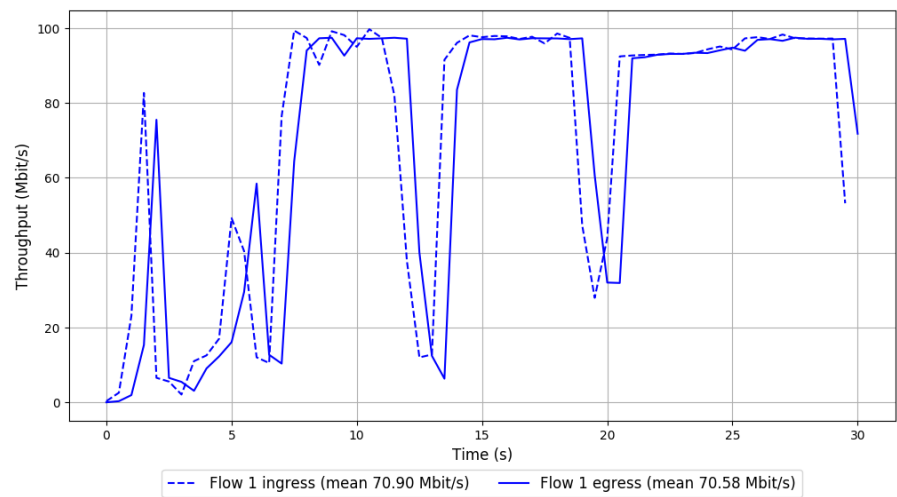
-- Flow 1:

Average throughput: 70.58 Mbit/s

95th percentile per-packet one-way delay: 101.347 ms

Loss rate: 0.41%

Run 6: Report of QUIC Cubic — Data Link

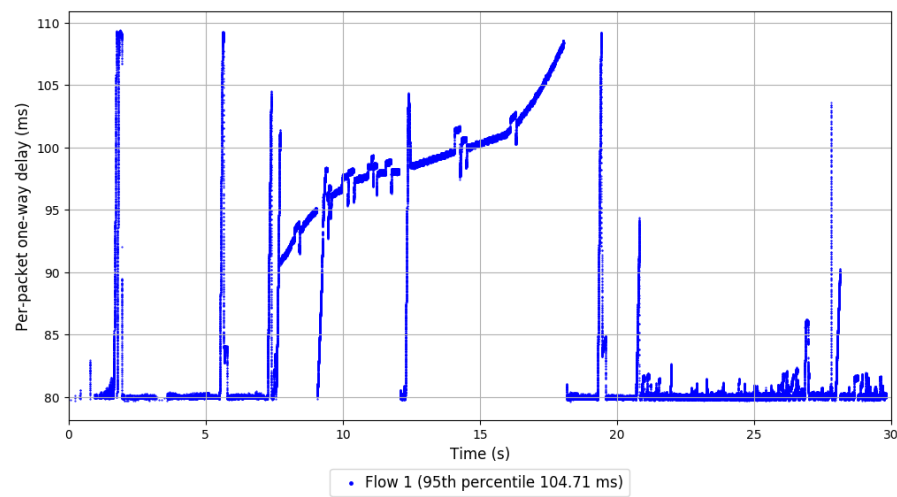
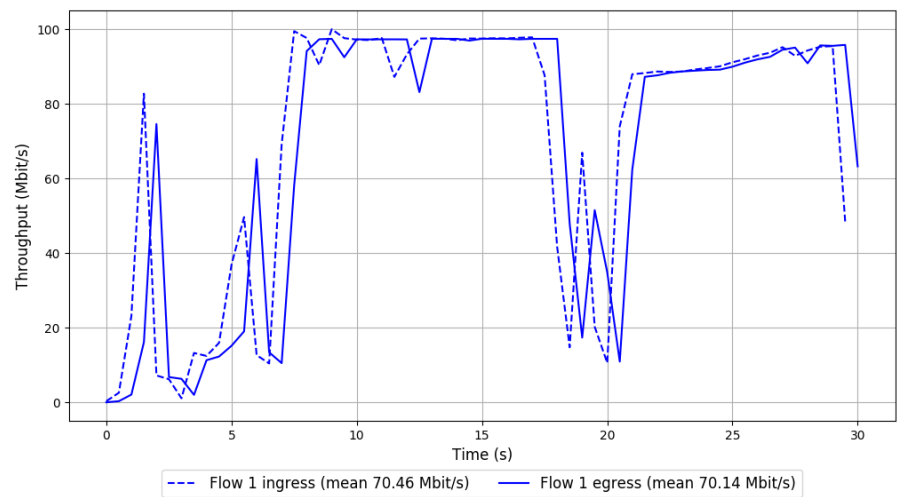


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 05:28:10
End at: 2018-05-24 05:28:40
Local clock offset: -1.872 ms
Remote clock offset: 8.269 ms

Below is generated by plot.py at 2018-05-24 06:44:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 104.707 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 104.707 ms
Loss rate: 0.45%

Run 7: Report of QUIC Cubic — Data Link

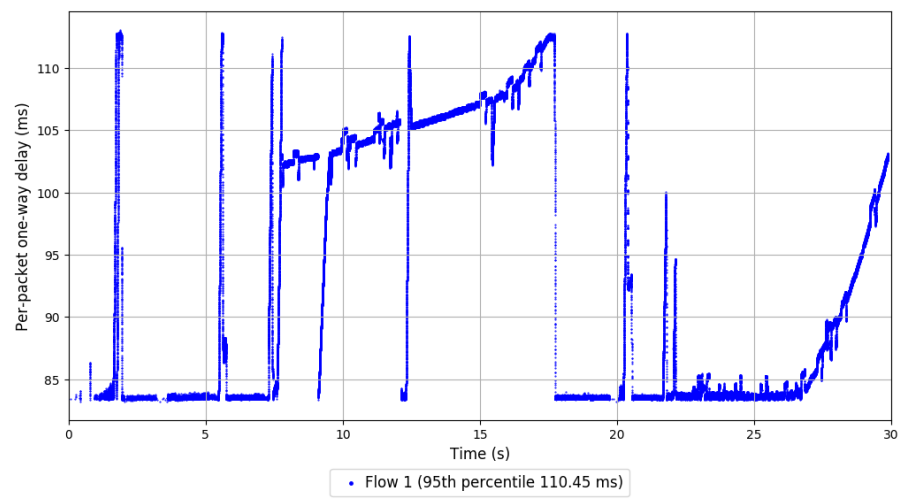
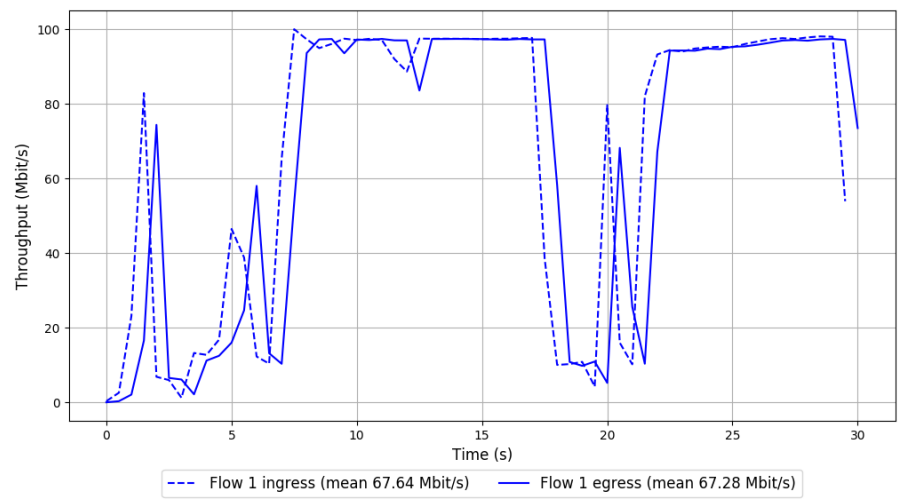


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 05:46:39
End at: 2018-05-24 05:47:09
Local clock offset: -3.032 ms
Remote clock offset: 15.302 ms

Below is generated by plot.py at 2018-05-24 06:44:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.28 Mbit/s
95th percentile per-packet one-way delay: 110.453 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 67.28 Mbit/s
95th percentile per-packet one-way delay: 110.453 ms
Loss rate: 0.47%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 06:05:08

End at: 2018-05-24 06:05:38

Local clock offset: -5.784 ms

Remote clock offset: 16.902 ms

Below is generated by plot.py at 2018-05-24 06:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 109.055 ms

Loss rate: 0.44%

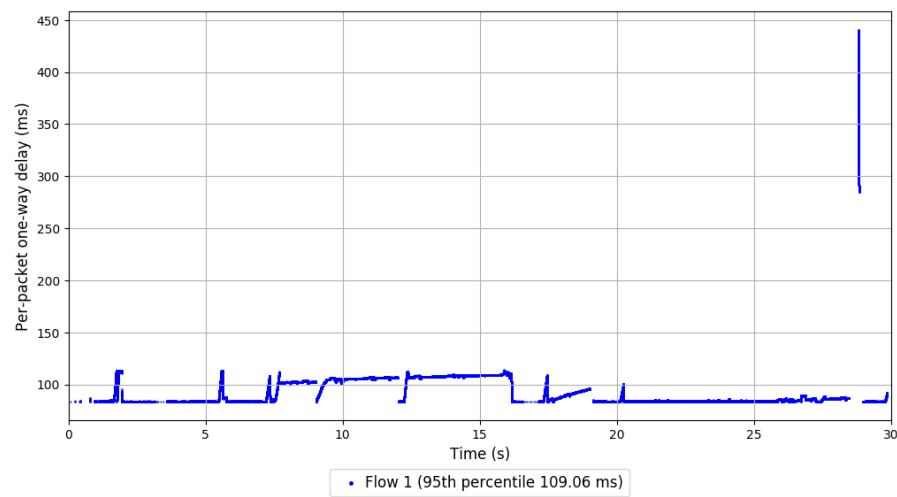
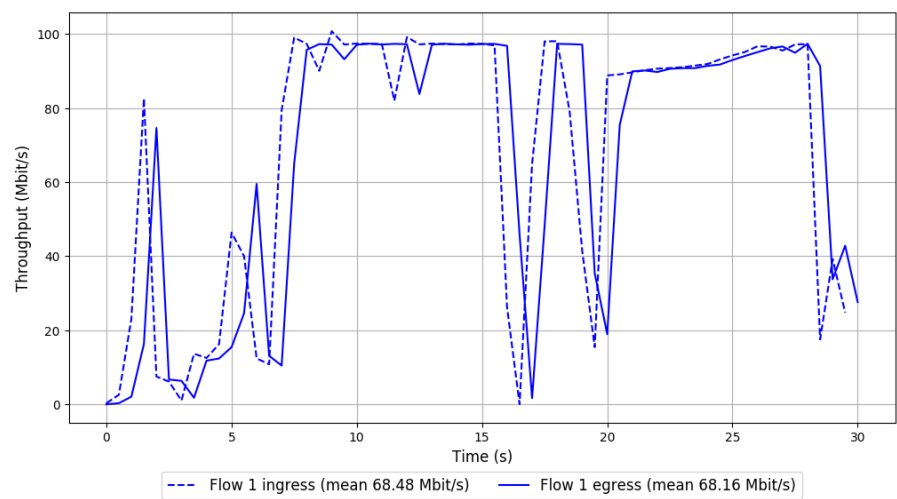
-- Flow 1:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 109.055 ms

Loss rate: 0.44%

Run 9: Report of QUIC Cubic — Data Link

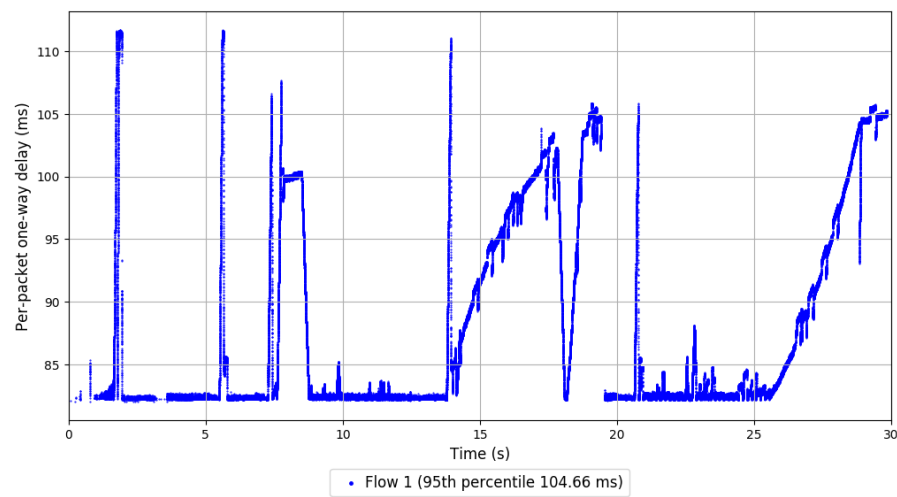
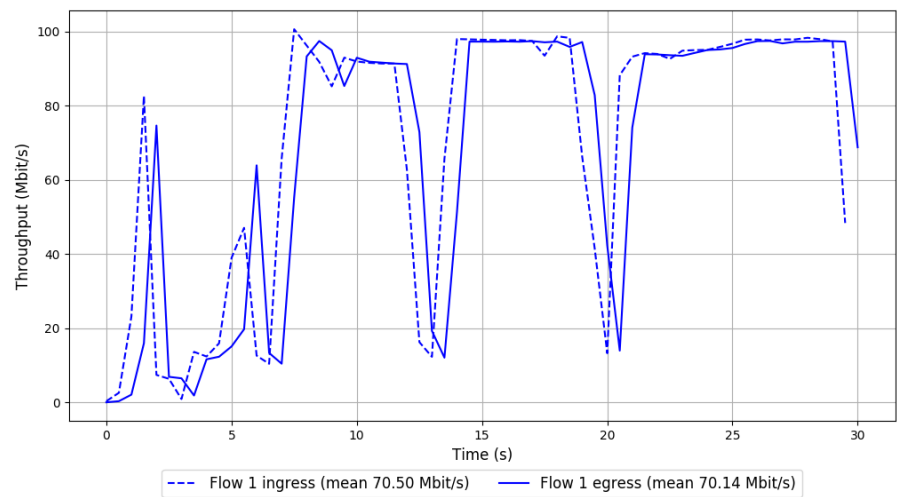


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 06:23:37
End at: 2018-05-24 06:24:07
Local clock offset: -8.195 ms
Remote clock offset: 17.579 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 104.664 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 104.664 ms
Loss rate: 0.43%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-24 03:44:23

End at: 2018-05-24 03:44:53

Local clock offset: -7.433 ms

Remote clock offset: 4.375 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.845 ms

Loss rate: 0.00%

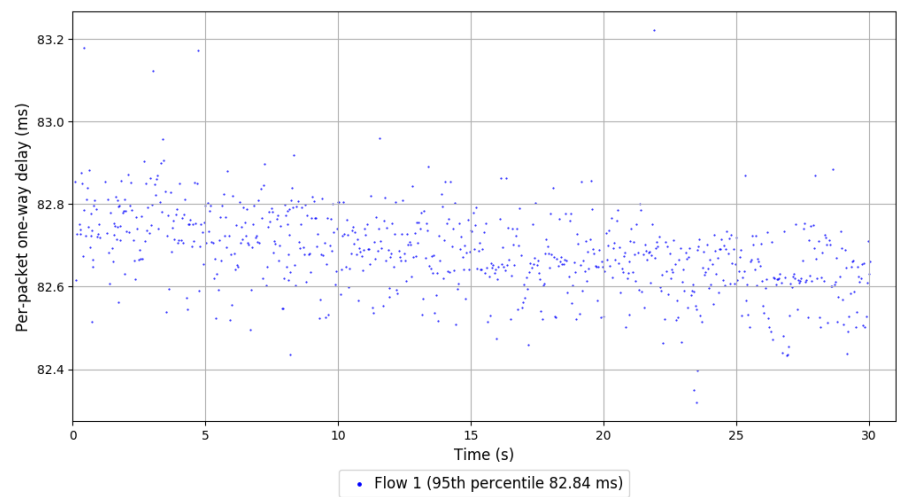
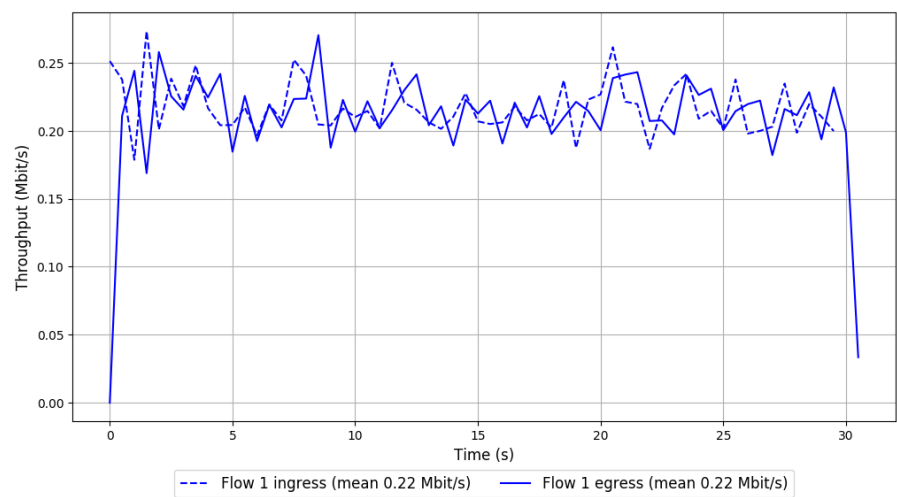
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.845 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-24 04:02:52

End at: 2018-05-24 04:03:22

Local clock offset: -7.118 ms

Remote clock offset: 9.168 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.683 ms

Loss rate: 0.00%

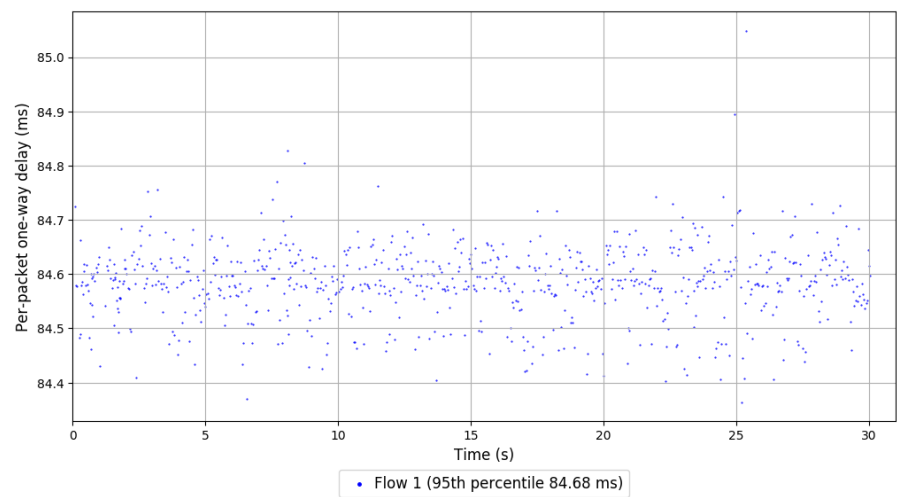
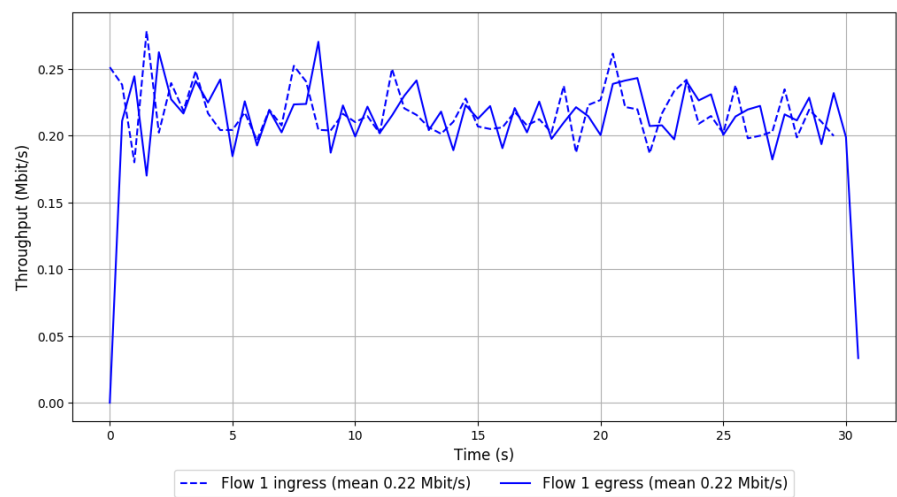
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.683 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-24 04:21:17

End at: 2018-05-24 04:21:47

Local clock offset: -6.258 ms

Remote clock offset: 8.803 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.435 ms

Loss rate: 0.00%

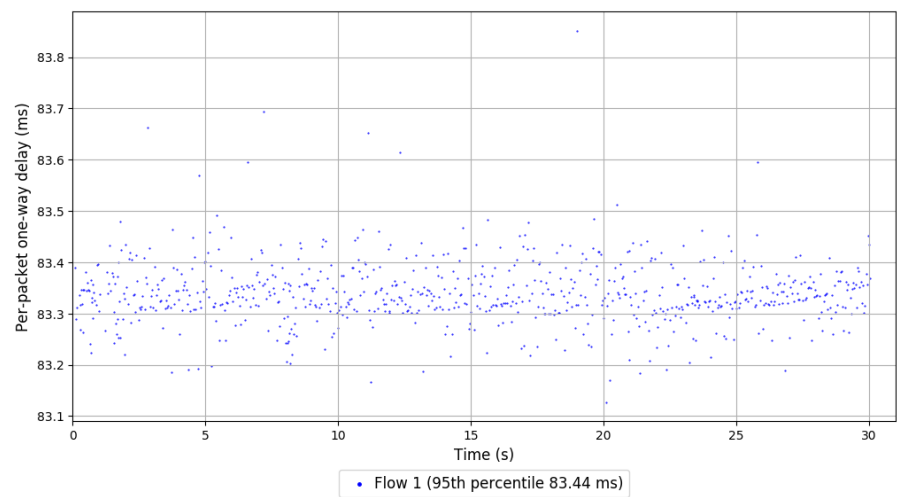
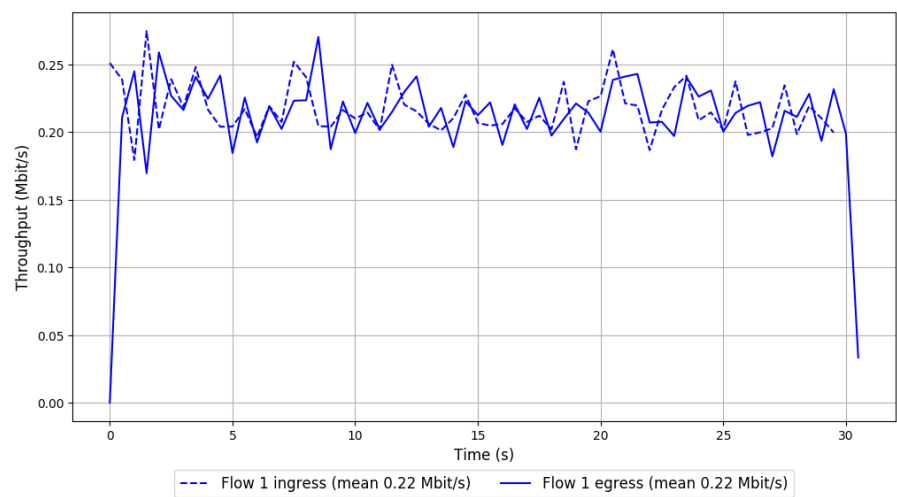
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.435 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-24 04:39:46

End at: 2018-05-24 04:40:16

Local clock offset: -7.146 ms

Remote clock offset: 3.652 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.956 ms

Loss rate: 0.00%

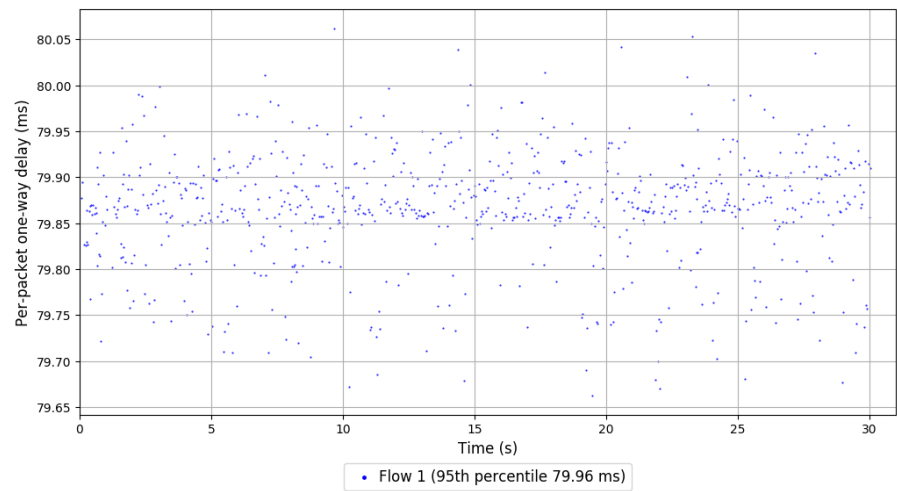
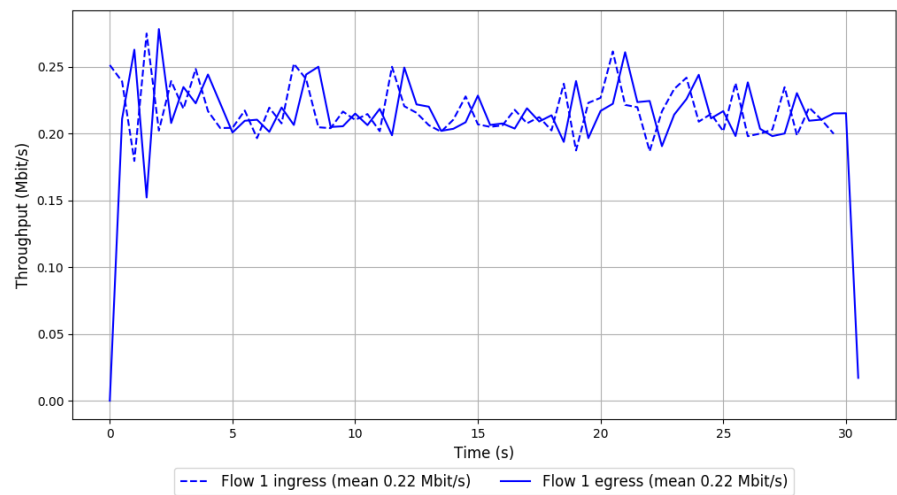
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.956 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-24 04:58:16

End at: 2018-05-24 04:58:46

Local clock offset: -4.681 ms

Remote clock offset: 4.176 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.309 ms

Loss rate: 0.00%

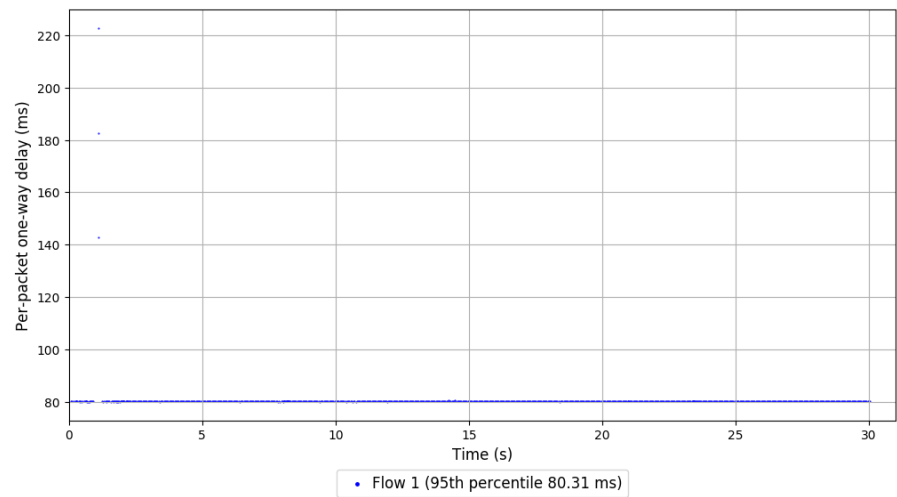
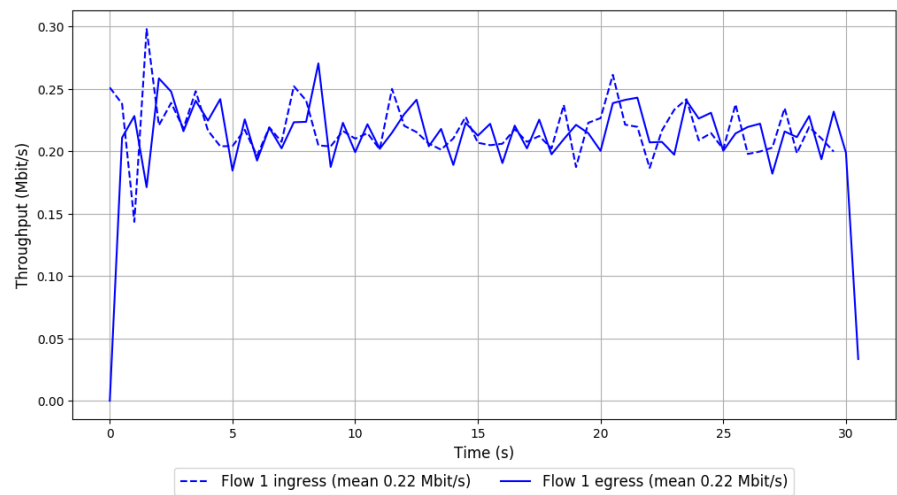
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.309 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-24 05:16:43

End at: 2018-05-24 05:17:13

Local clock offset: -2.955 ms

Remote clock offset: 5.571 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.094 ms

Loss rate: 0.00%

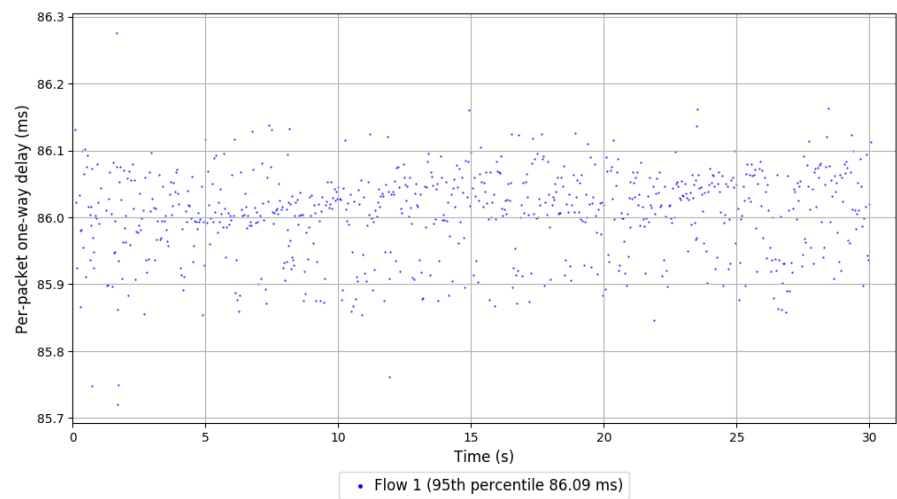
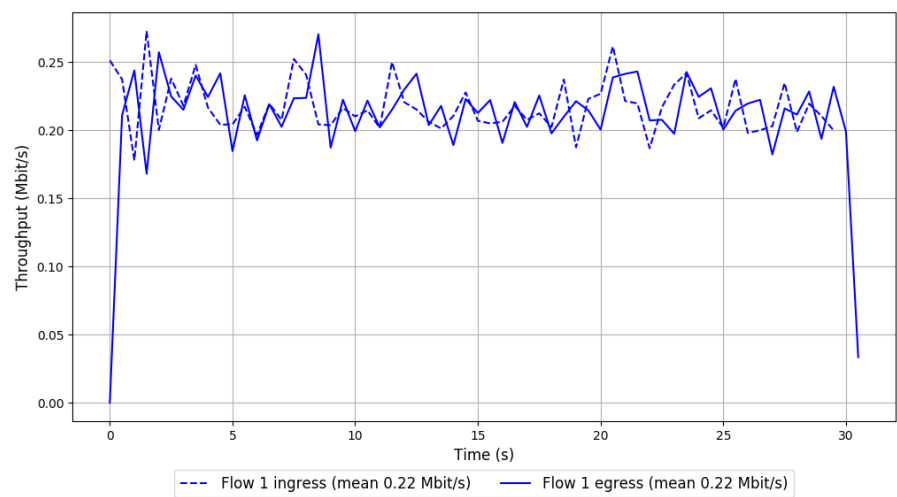
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.094 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

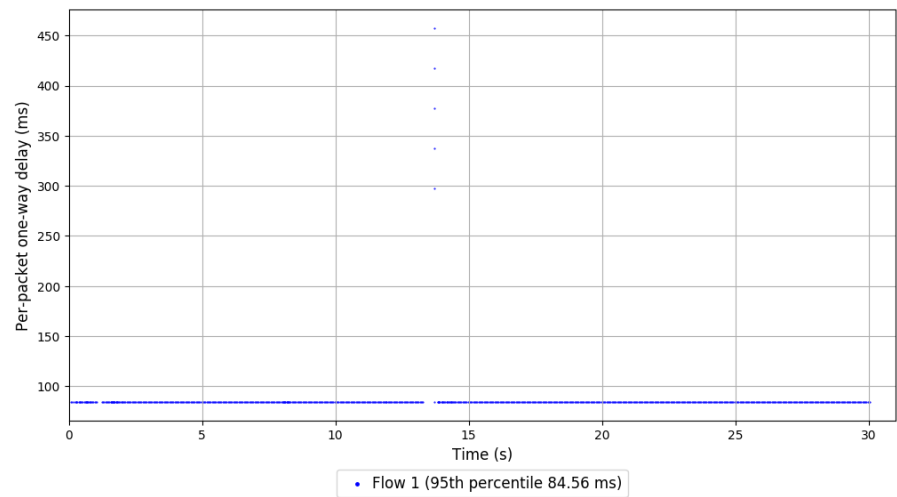
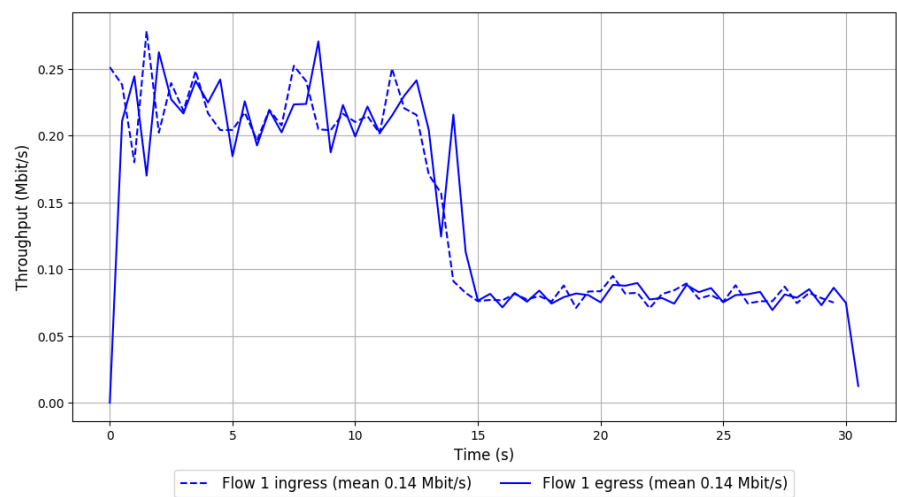


Run 7: Statistics of SCReAM

Start at: 2018-05-24 05:35:11
End at: 2018-05-24 05:35:41
Local clock offset: -2.28 ms
Remote clock offset: 13.936 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 84.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 84.562 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

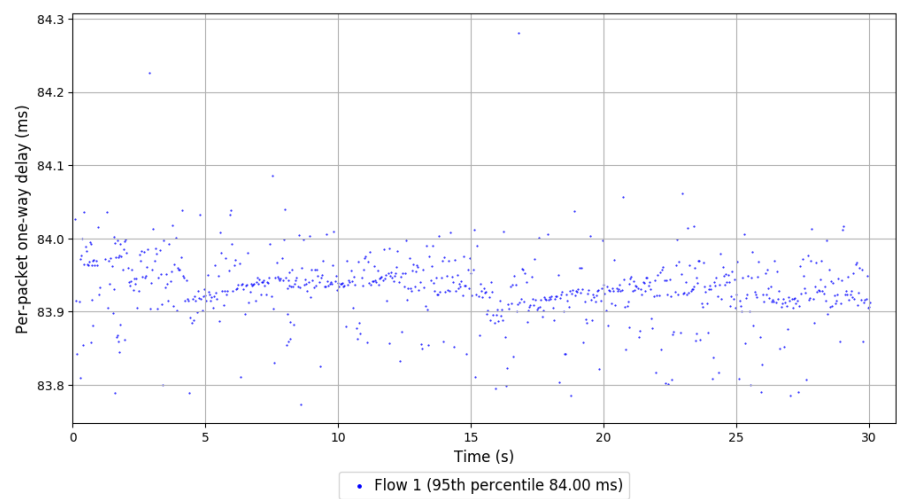
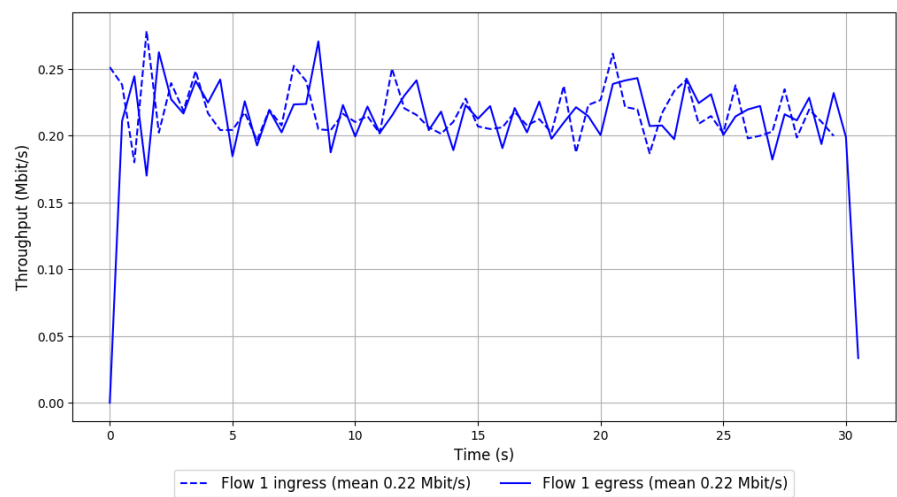


Run 8: Statistics of SCReAM

Start at: 2018-05-24 05:53:40
End at: 2018-05-24 05:54:10
Local clock offset: -1.378 ms
Remote clock offset: 15.966 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.999 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

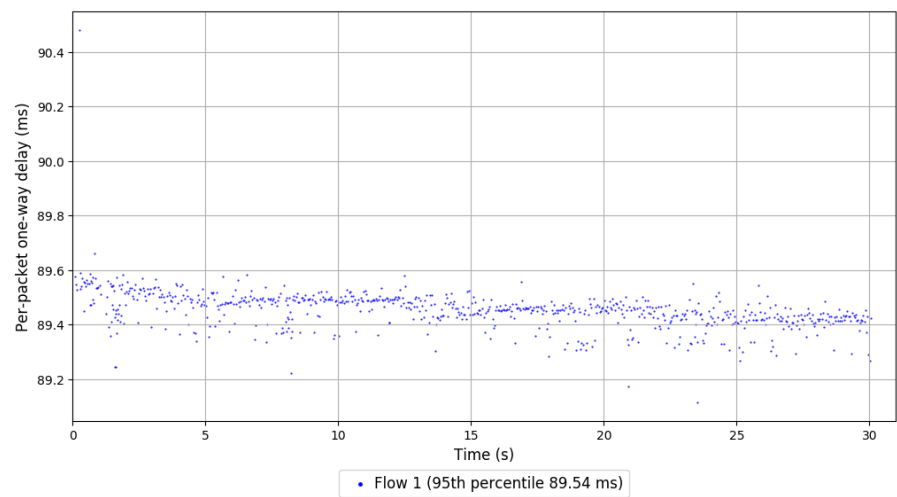
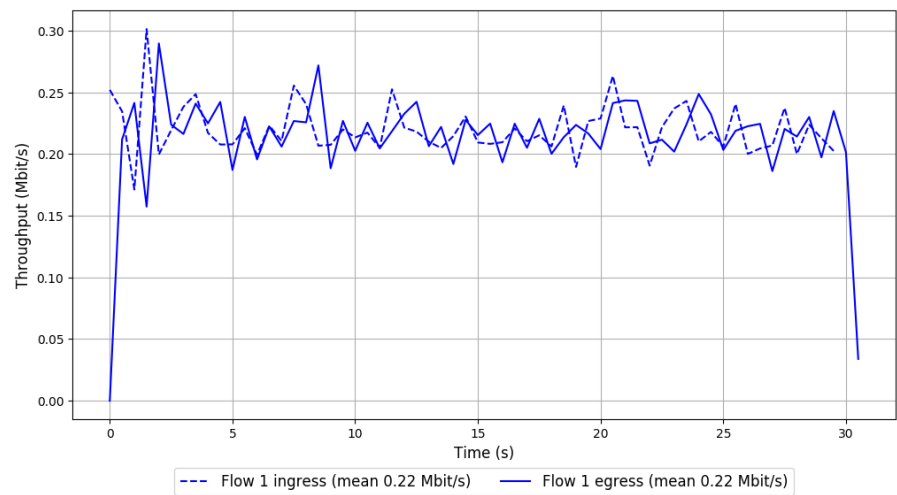


Run 9: Statistics of SReAM

Start at: 2018-05-24 06:12:08
End at: 2018-05-24 06:12:38
Local clock offset: -6.328 ms
Remote clock offset: 17.416 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.542 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-24 06:30:38

End at: 2018-05-24 06:31:08

Local clock offset: -4.837 ms

Remote clock offset: 8.834 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.239 ms

Loss rate: 0.00%

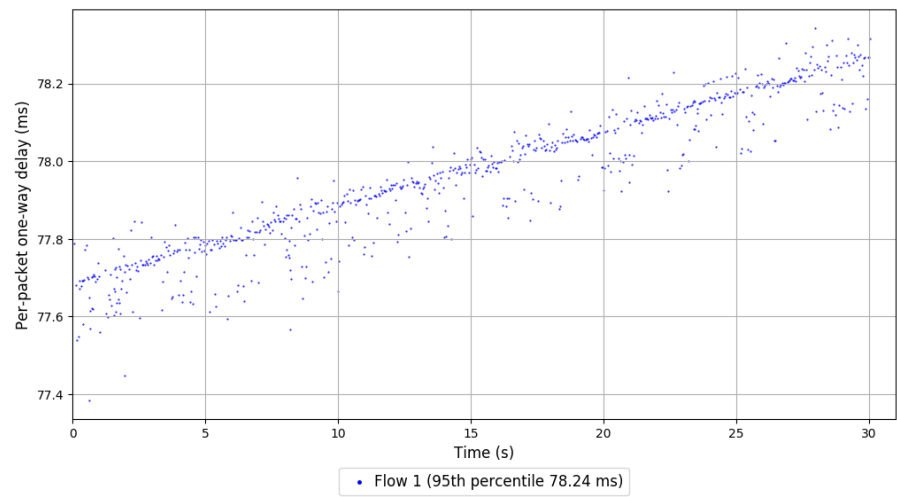
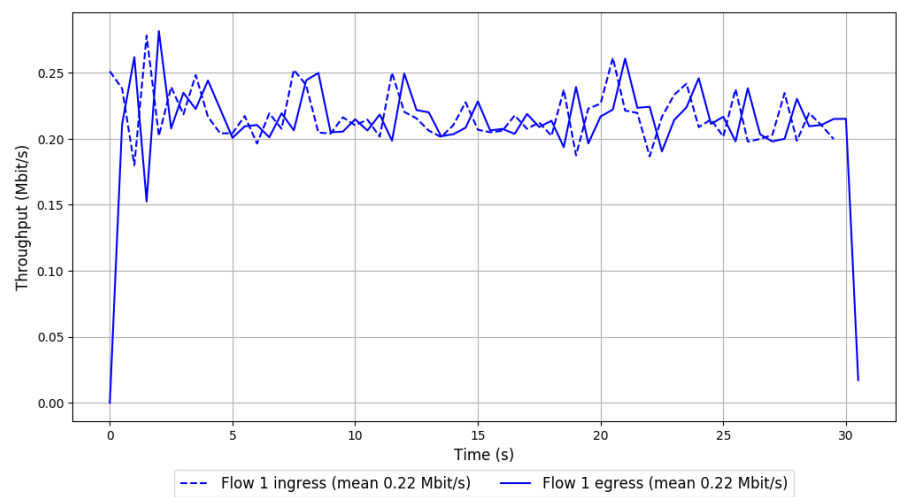
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.239 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-24 03:34:00

End at: 2018-05-24 03:34:30

Local clock offset: -4.523 ms

Remote clock offset: 1.775 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 85.517 ms

Loss rate: 0.00%

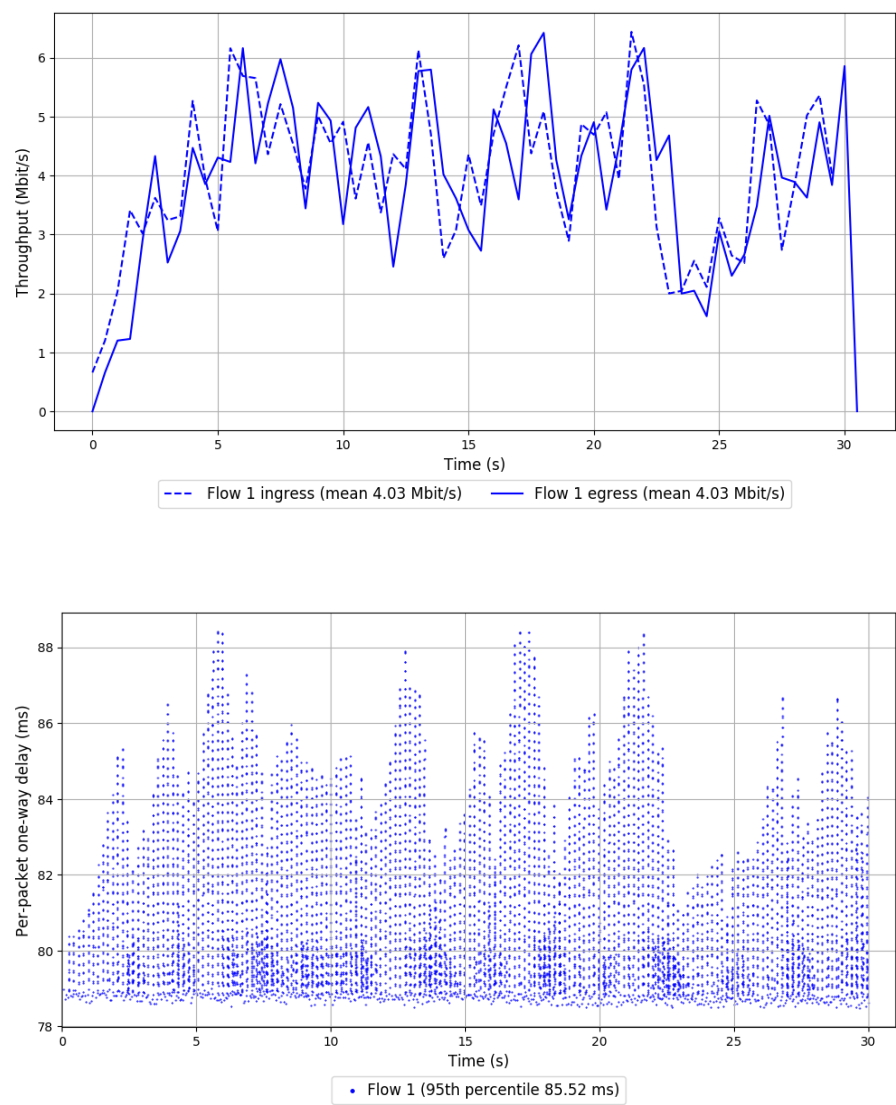
-- Flow 1:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 85.517 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-24 03:52:27

End at: 2018-05-24 03:52:57

Local clock offset: -7.359 ms

Remote clock offset: 8.712 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 89.709 ms

Loss rate: 0.03%

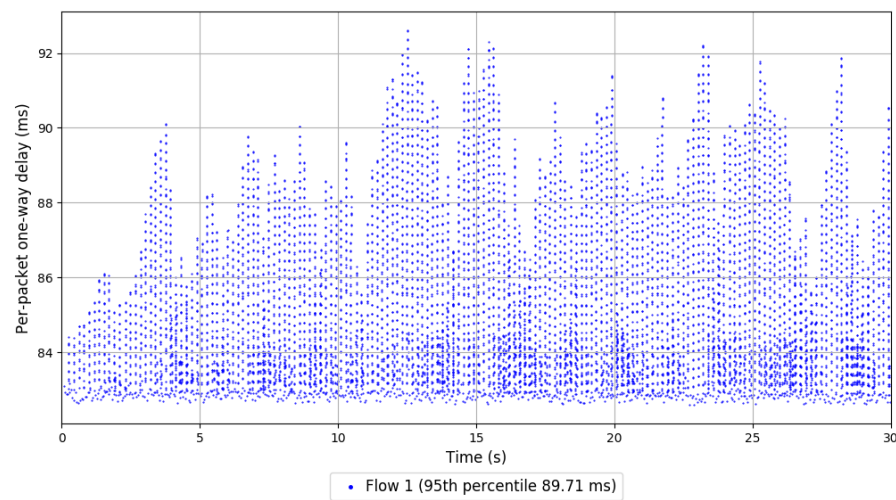
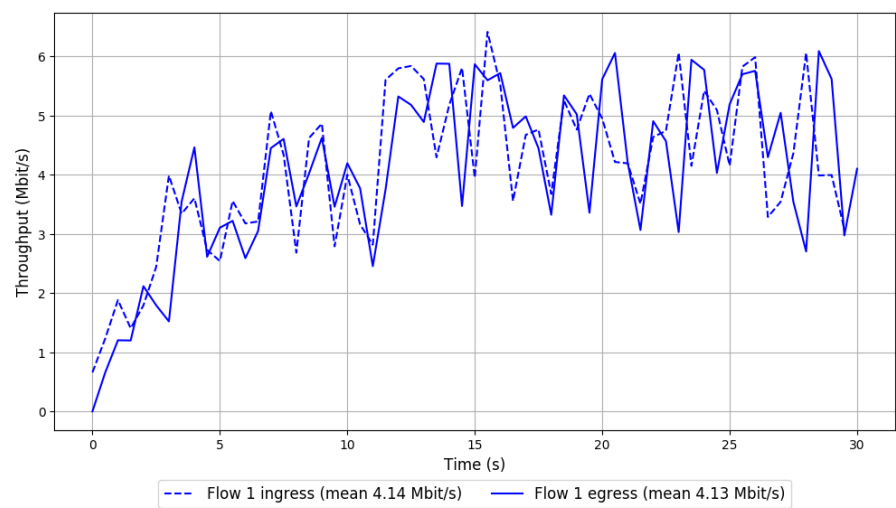
-- Flow 1:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 89.709 ms

Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

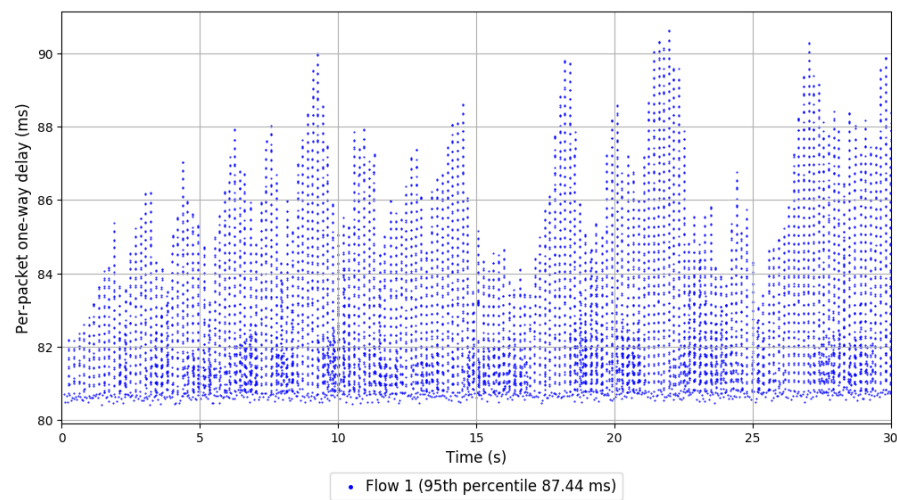
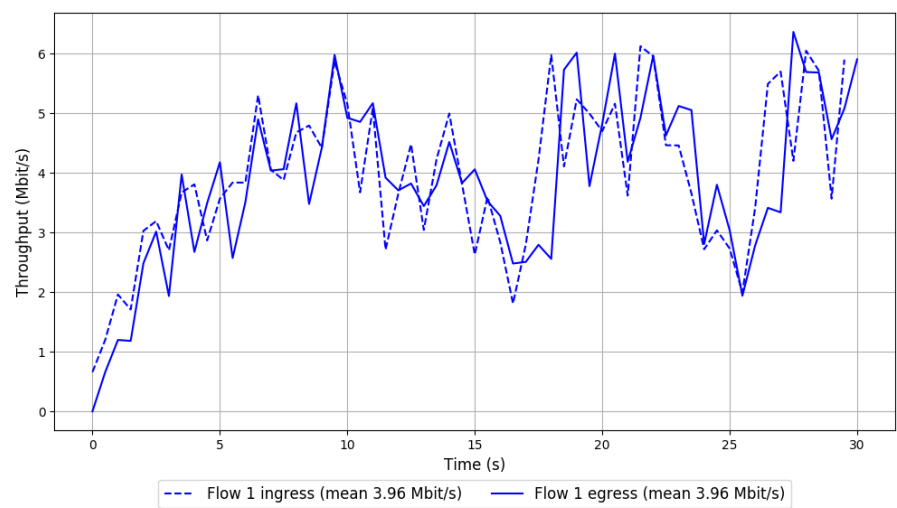


Run 3: Statistics of Sprout

Start at: 2018-05-24 04:10:54
End at: 2018-05-24 04:11:24
Local clock offset: -6.198 ms
Remote clock offset: 5.252 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 87.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 87.442 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-24 04:29:21

End at: 2018-05-24 04:29:51

Local clock offset: -6.851 ms

Remote clock offset: 3.717 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 88.045 ms

Loss rate: 0.00%

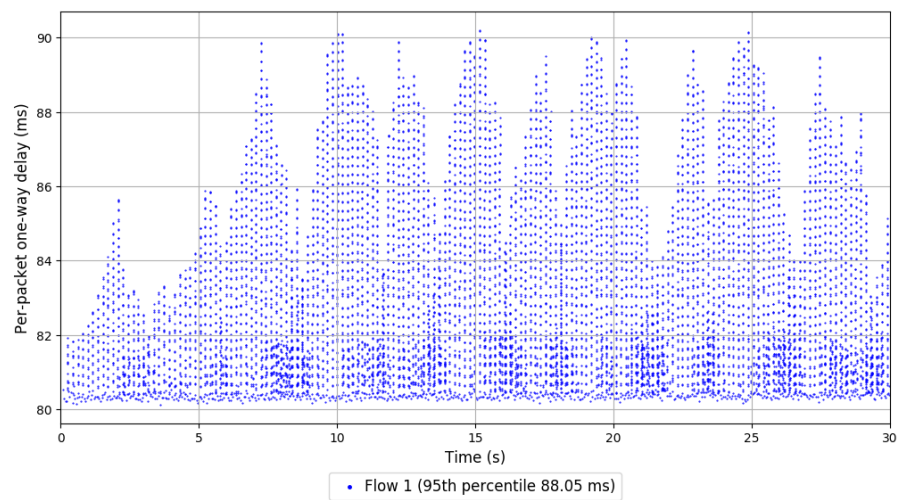
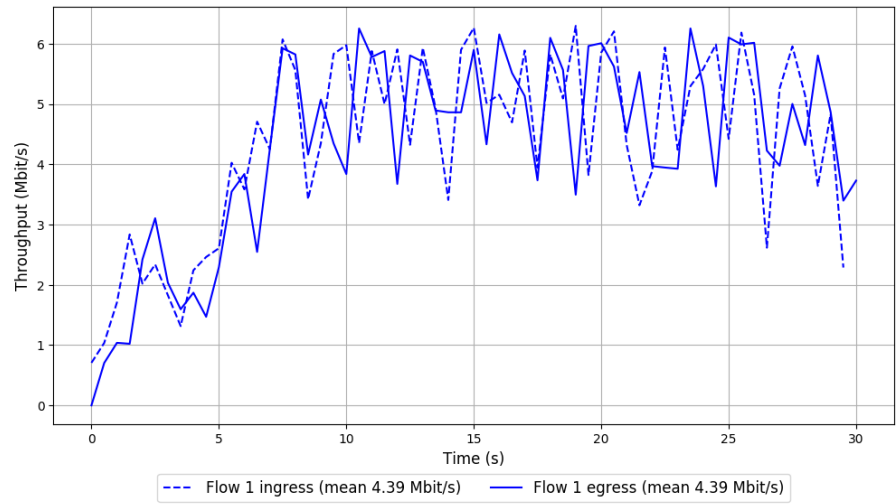
-- Flow 1:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 88.045 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 04:47:51

End at: 2018-05-24 04:48:21

Local clock offset: -5.534 ms

Remote clock offset: 8.914 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 91.559 ms

Loss rate: 0.00%

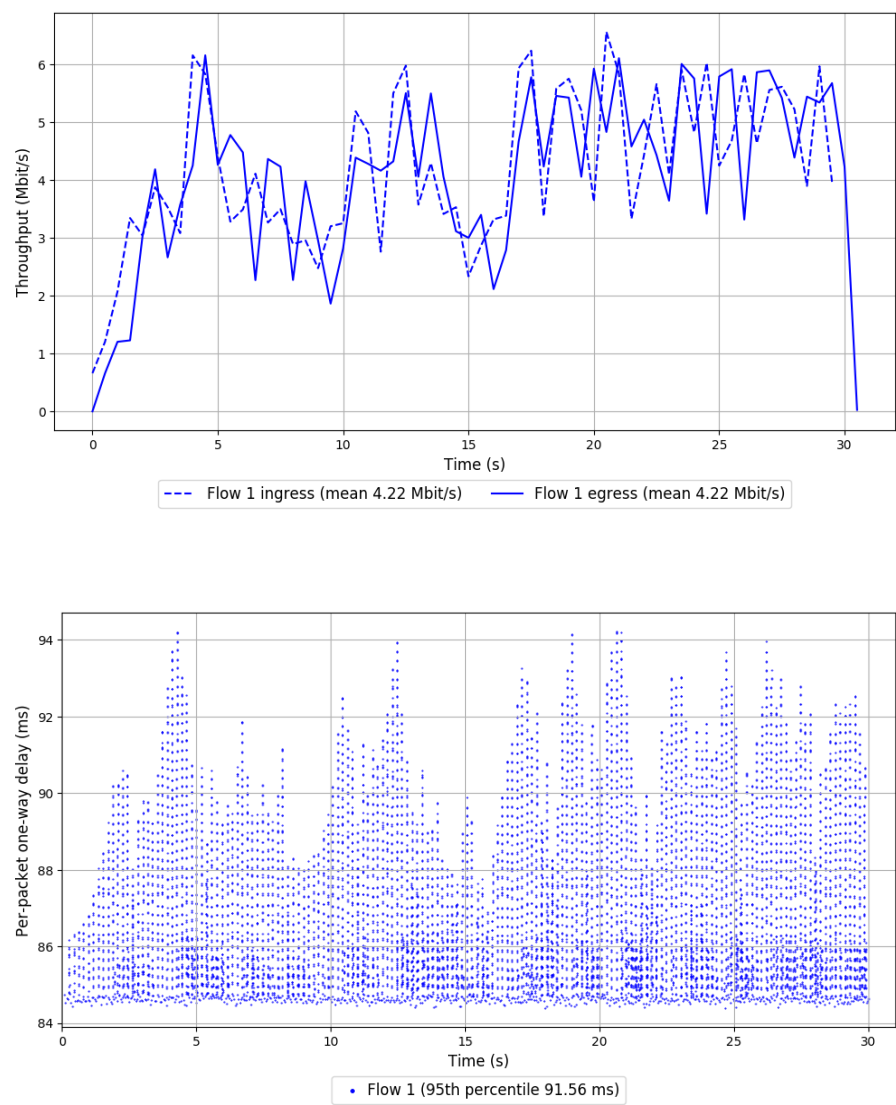
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 91.559 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-24 05:06:19

End at: 2018-05-24 05:06:49

Local clock offset: -2.632 ms

Remote clock offset: 5.124 ms

Below is generated by plot.py at 2018-05-24 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 86.434 ms

Loss rate: 0.01%

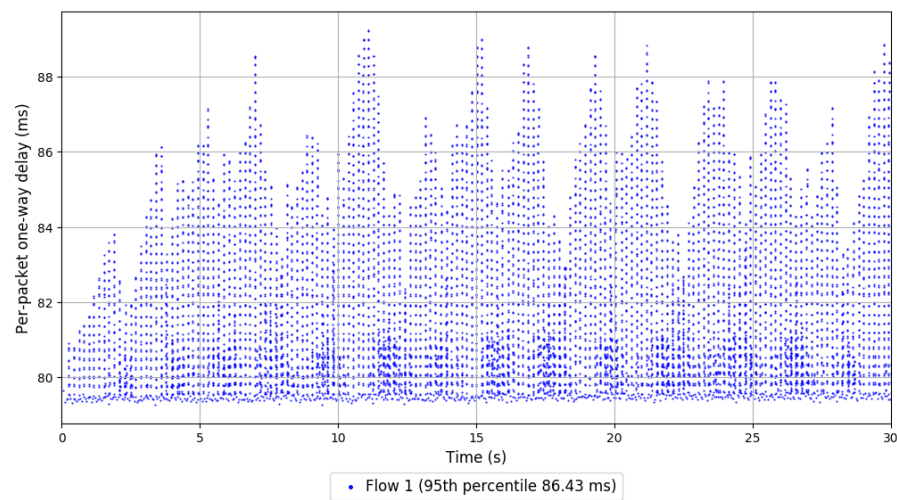
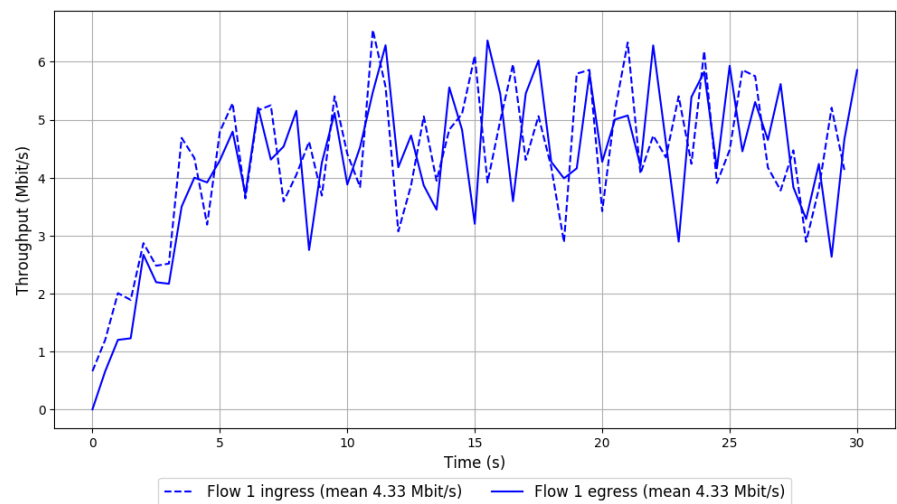
-- Flow 1:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 86.434 ms

Loss rate: 0.01%

Run 6: Report of Sprout — Data Link

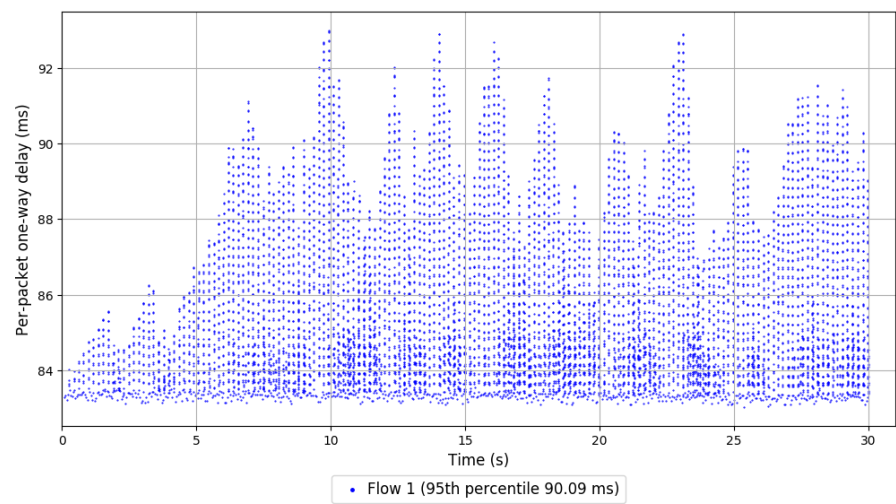
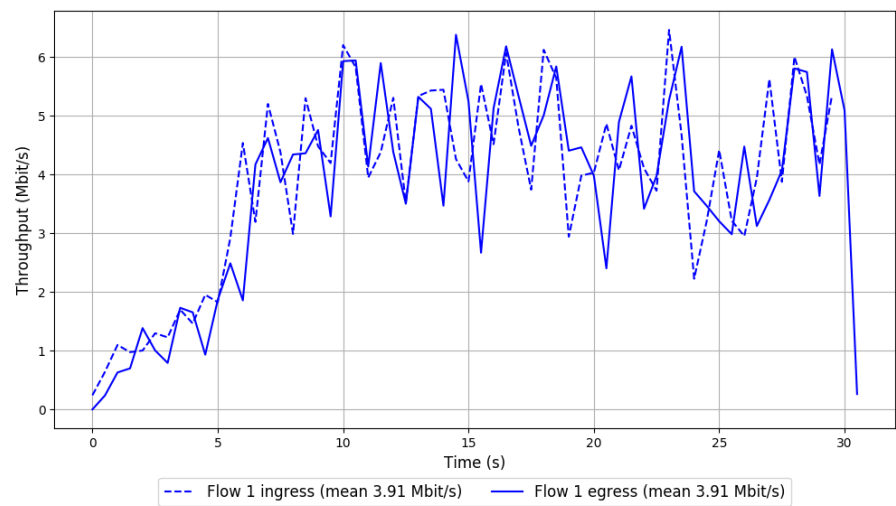


Run 7: Statistics of Sprout

Start at: 2018-05-24 05:24:46
End at: 2018-05-24 05:25:16
Local clock offset: -0.953 ms
Remote clock offset: 12.123 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 90.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 90.093 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

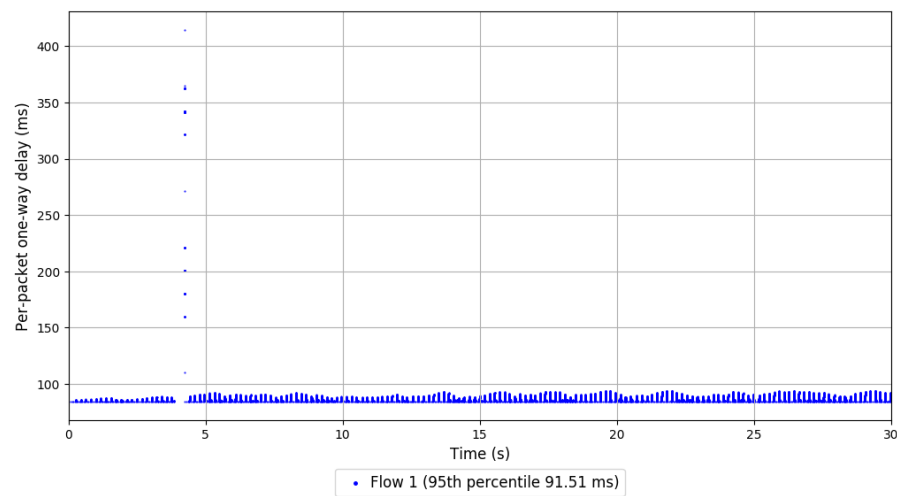
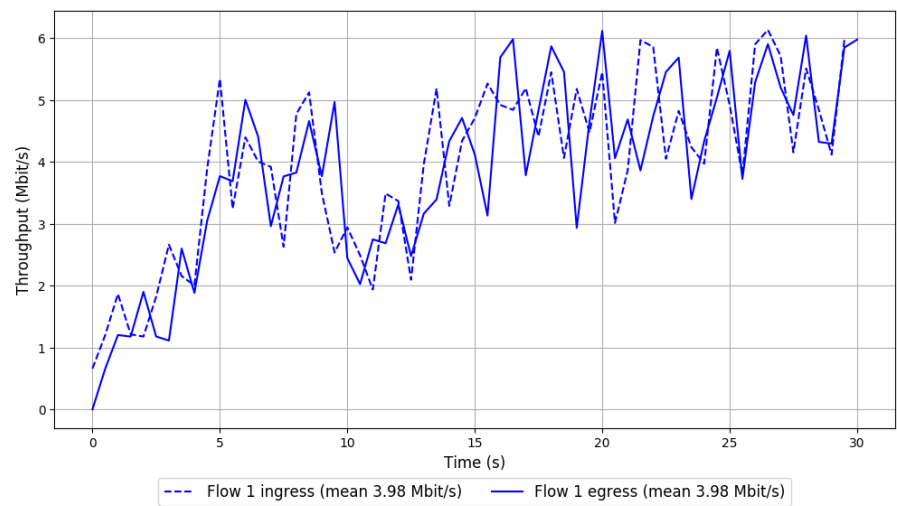


Run 8: Statistics of Sprout

Start at: 2018-05-24 05:43:15
End at: 2018-05-24 05:43:45
Local clock offset: -2.282 ms
Remote clock offset: 14.194 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 91.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 91.513 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

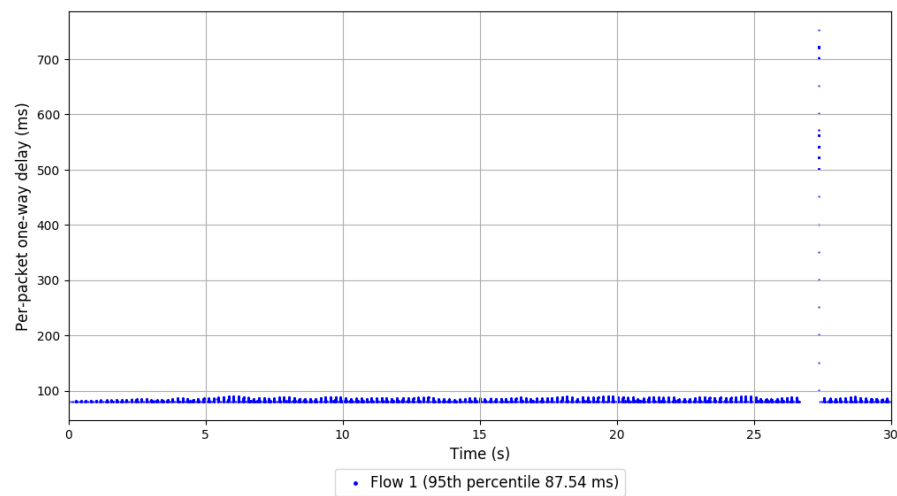
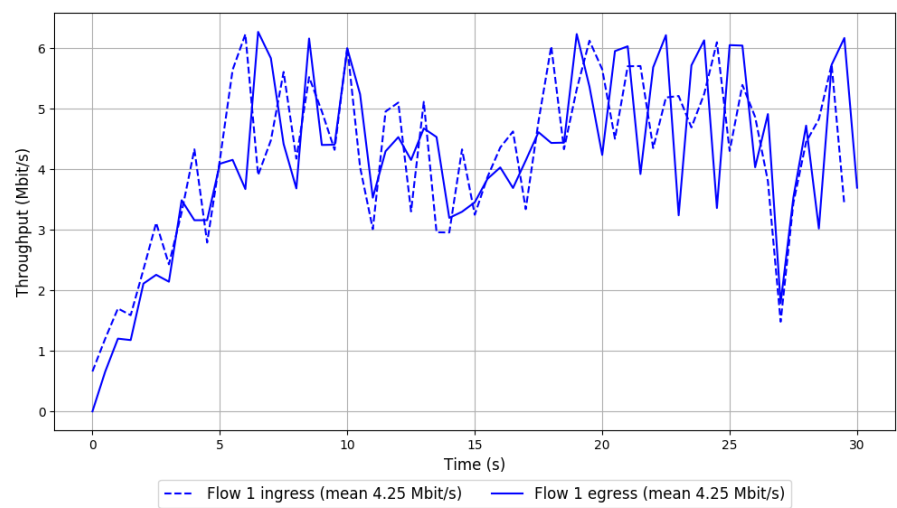


Run 9: Statistics of Sprout

Start at: 2018-05-24 06:01:44
End at: 2018-05-24 06:02:14
Local clock offset: -4.014 ms
Remote clock offset: 12.769 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

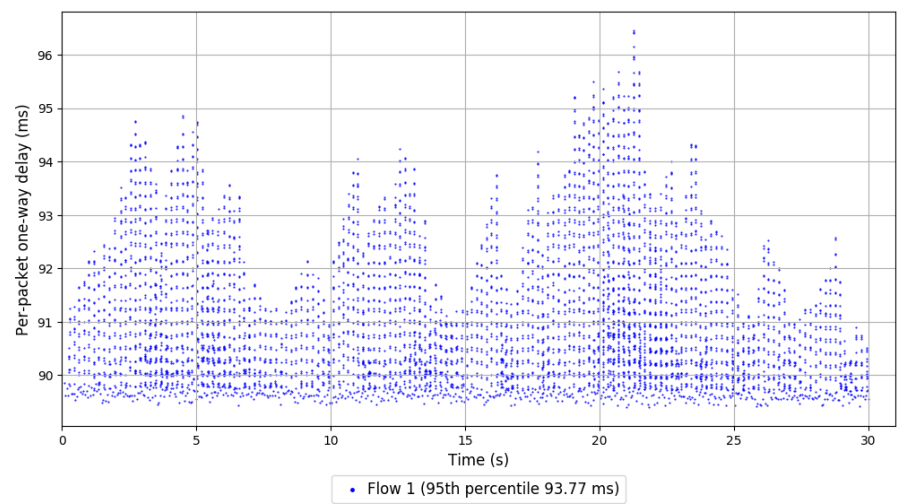
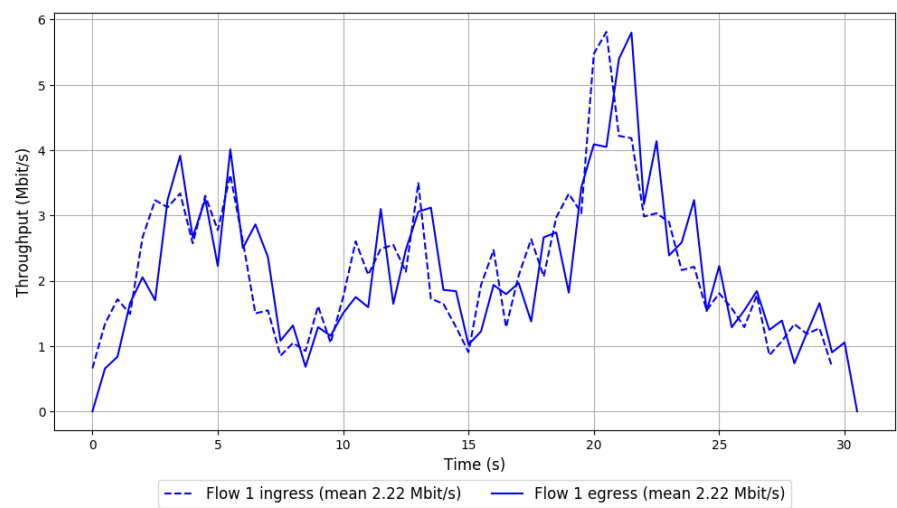


Run 10: Statistics of Sprout

Start at: 2018-05-24 06:20:13
End at: 2018-05-24 06:20:43
Local clock offset: -8.019 ms
Remote clock offset: 17.319 ms

Below is generated by plot.py at 2018-05-24 06:45:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 93.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 93.765 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 03:42:04

End at: 2018-05-24 03:42:34

Local clock offset: -6.318 ms

Remote clock offset: 7.842 ms

Below is generated by plot.py at 2018-05-24 06:46:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.07 Mbit/s

95th percentile per-packet one-way delay: 107.087 ms

Loss rate: 0.36%

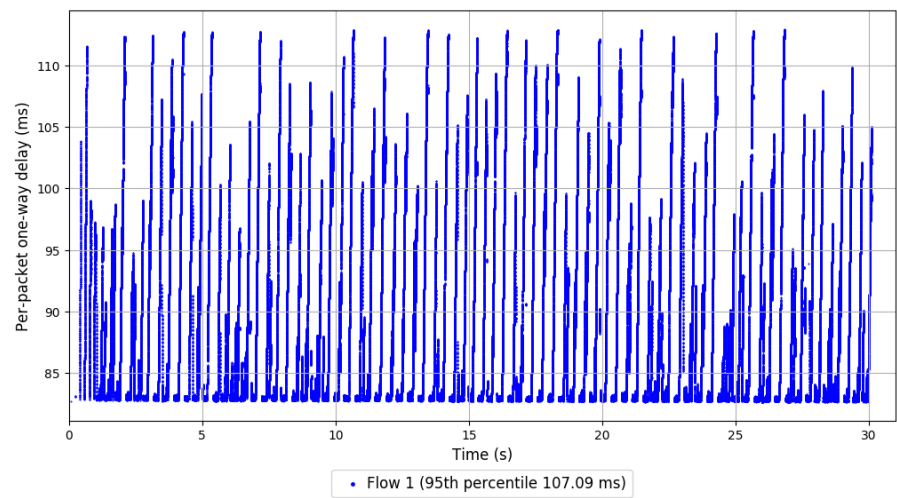
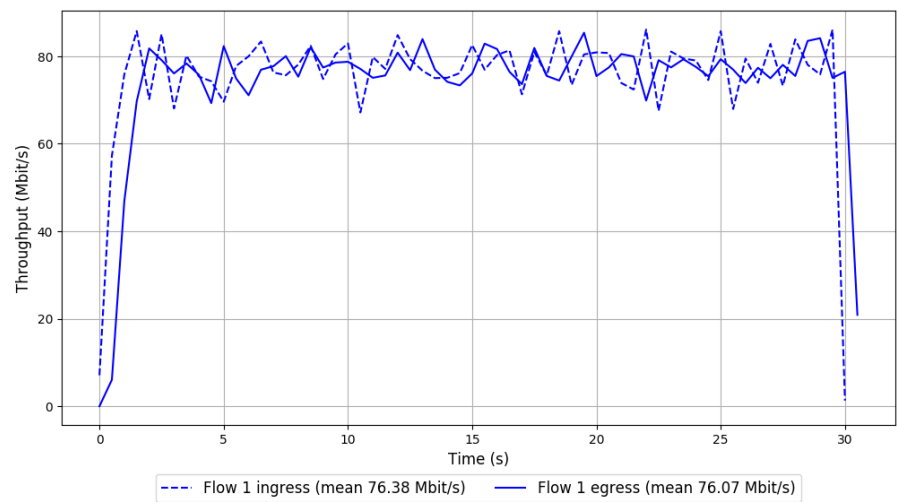
-- Flow 1:

Average throughput: 76.07 Mbit/s

95th percentile per-packet one-way delay: 107.087 ms

Loss rate: 0.36%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 04:00:33

End at: 2018-05-24 04:01:03

Local clock offset: -6.477 ms

Remote clock offset: 5.36 ms

Below is generated by plot.py at 2018-05-24 06:46:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.00 Mbit/s

95th percentile per-packet one-way delay: 103.488 ms

Loss rate: 0.39%

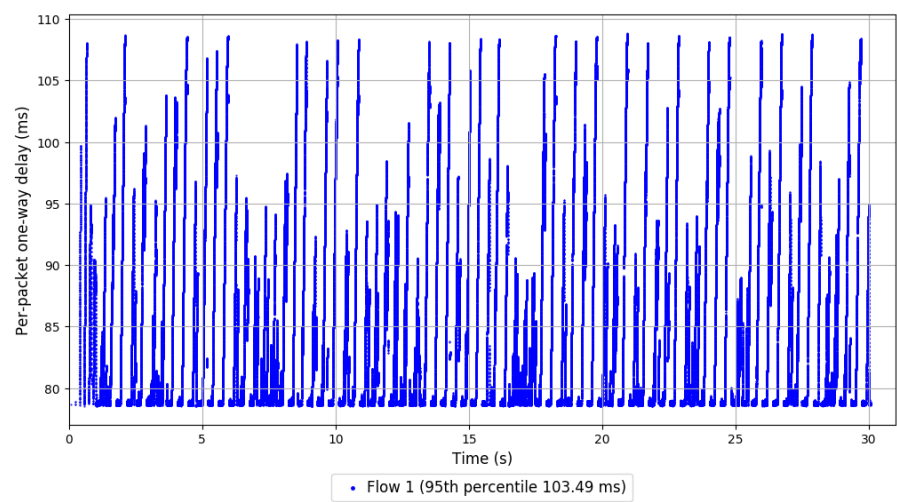
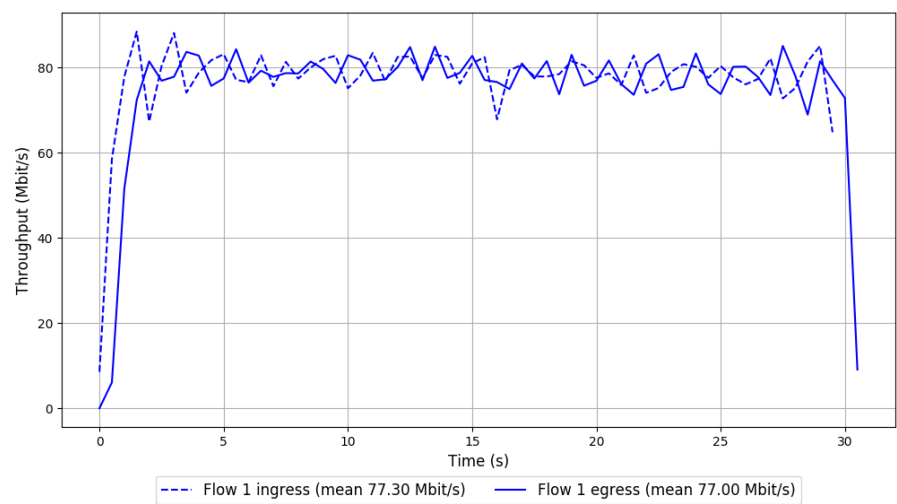
-- Flow 1:

Average throughput: 77.00 Mbit/s

95th percentile per-packet one-way delay: 103.488 ms

Loss rate: 0.39%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 04:18:58

End at: 2018-05-24 04:19:28

Local clock offset: -7.044 ms

Remote clock offset: 4.303 ms

Below is generated by plot.py at 2018-05-24 06:46:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 105.813 ms

Loss rate: 0.48%

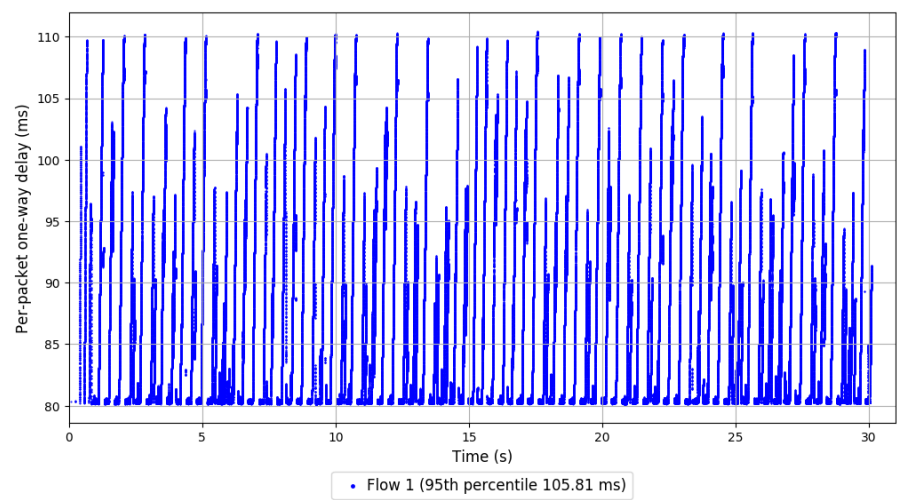
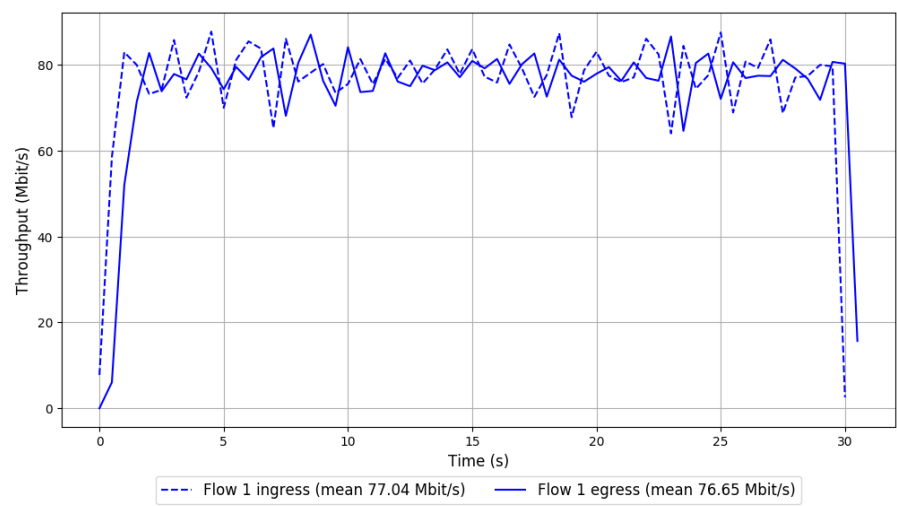
-- Flow 1:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 105.813 ms

Loss rate: 0.48%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 04:37:27

End at: 2018-05-24 04:37:57

Local clock offset: -6.423 ms

Remote clock offset: 3.615 ms

Below is generated by plot.py at 2018-05-24 06:46:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.26 Mbit/s

95th percentile per-packet one-way delay: 106.572 ms

Loss rate: 0.50%

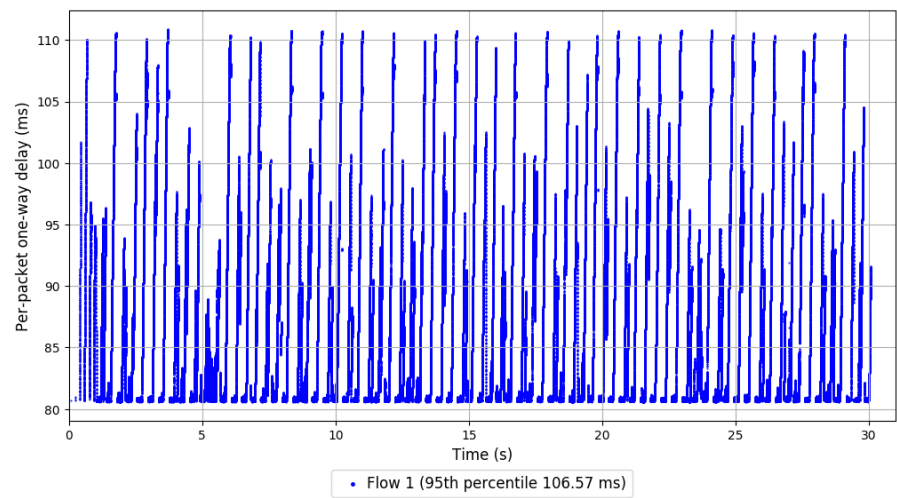
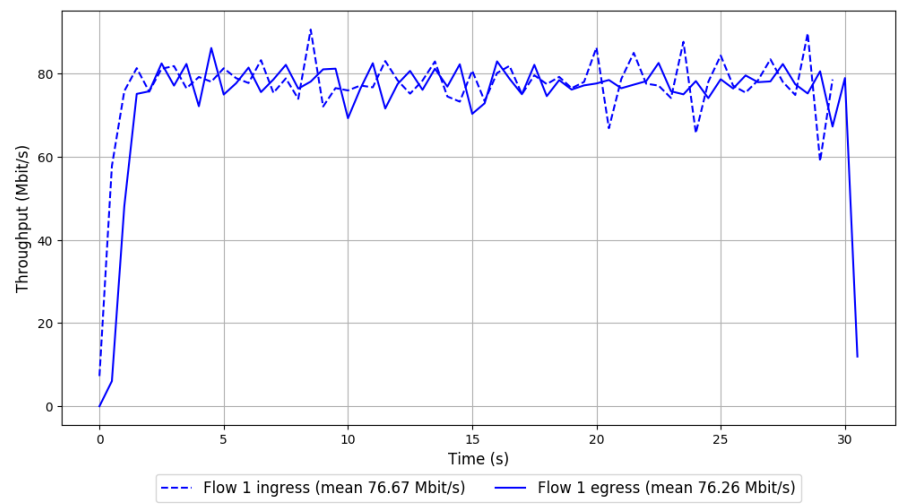
-- Flow 1:

Average throughput: 76.26 Mbit/s

95th percentile per-packet one-way delay: 106.572 ms

Loss rate: 0.50%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 04:55:57

End at: 2018-05-24 04:56:27

Local clock offset: -7.059 ms

Remote clock offset: 4.832 ms

Below is generated by plot.py at 2018-05-24 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 106.755 ms

Loss rate: 0.64%

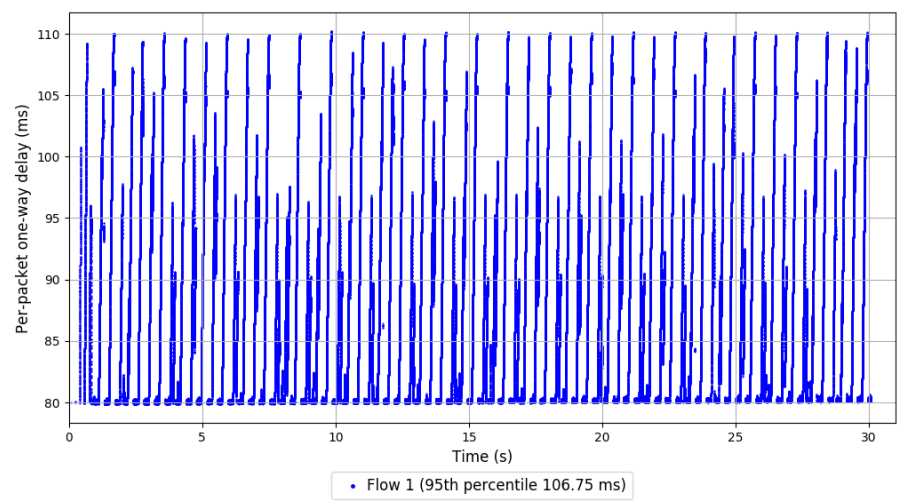
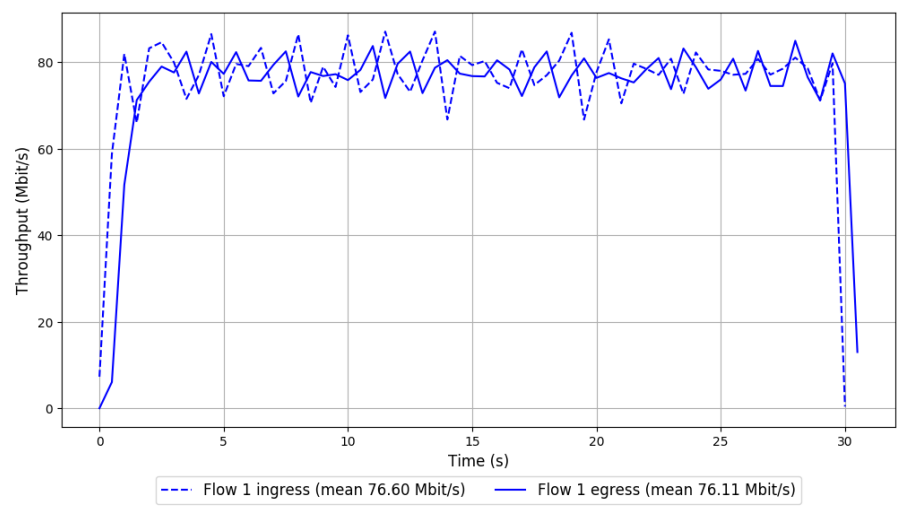
-- Flow 1:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 106.755 ms

Loss rate: 0.64%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 05:14:24

End at: 2018-05-24 05:14:54

Local clock offset: -1.631 ms

Remote clock offset: 4.616 ms

Below is generated by plot.py at 2018-05-24 06:46:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.68 Mbit/s

95th percentile per-packet one-way delay: 110.391 ms

Loss rate: 0.74%

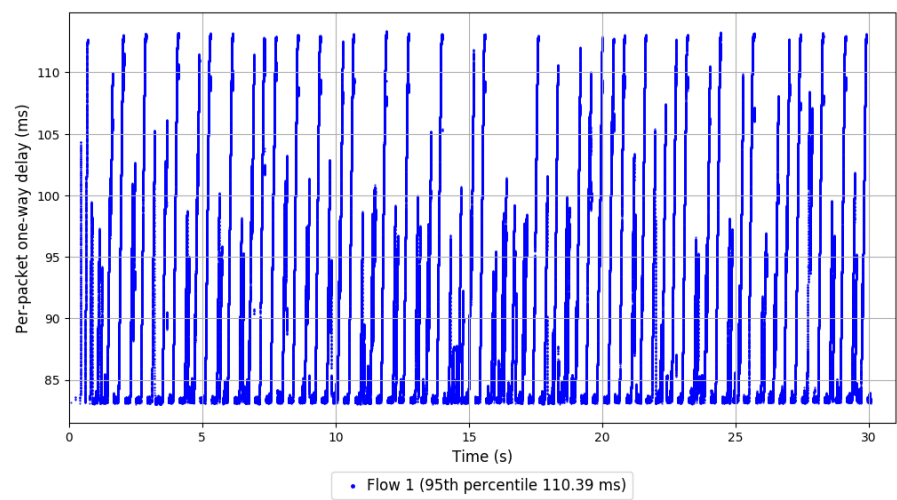
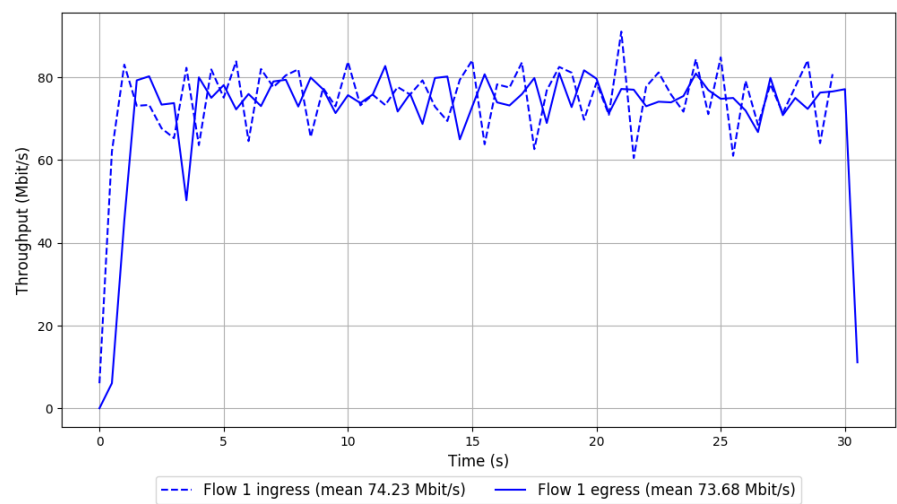
-- Flow 1:

Average throughput: 73.68 Mbit/s

95th percentile per-packet one-way delay: 110.391 ms

Loss rate: 0.74%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 05:32:52

End at: 2018-05-24 05:33:22

Local clock offset: -2.11 ms

Remote clock offset: 9.848 ms

Below is generated by plot.py at 2018-05-24 06:46:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 105.278 ms

Loss rate: 0.53%

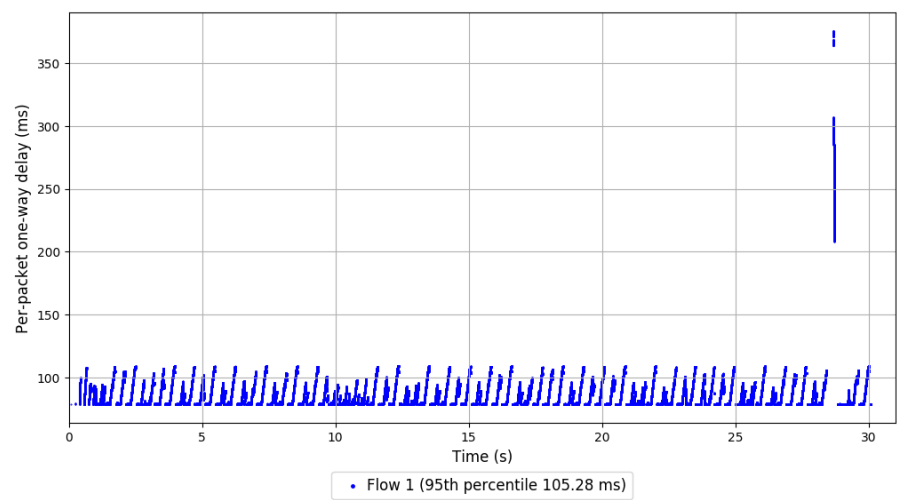
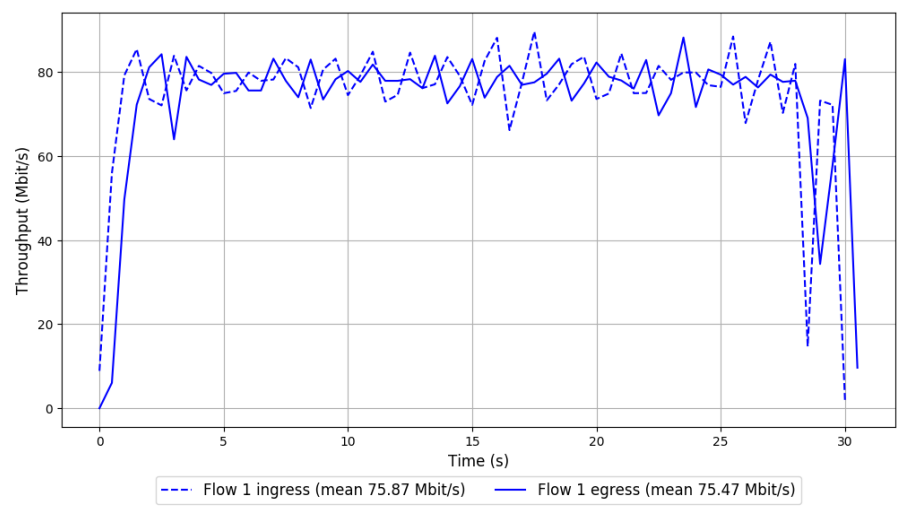
-- Flow 1:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 105.278 ms

Loss rate: 0.53%

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

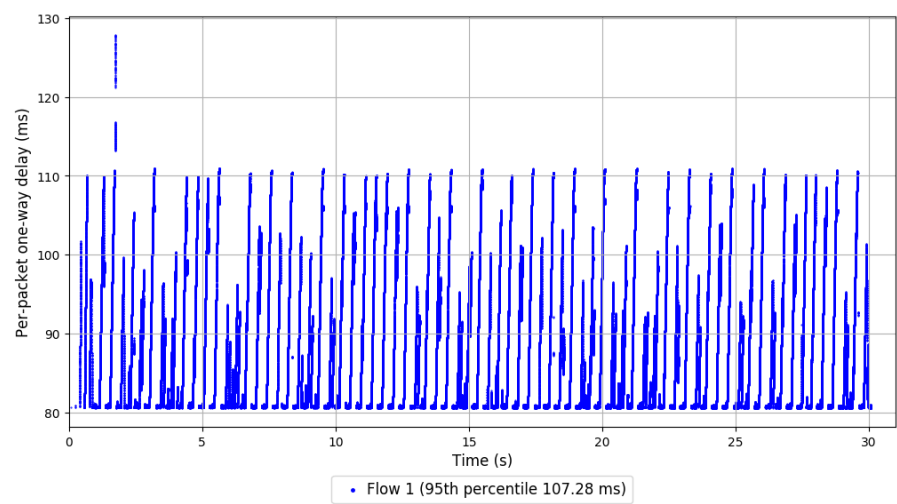
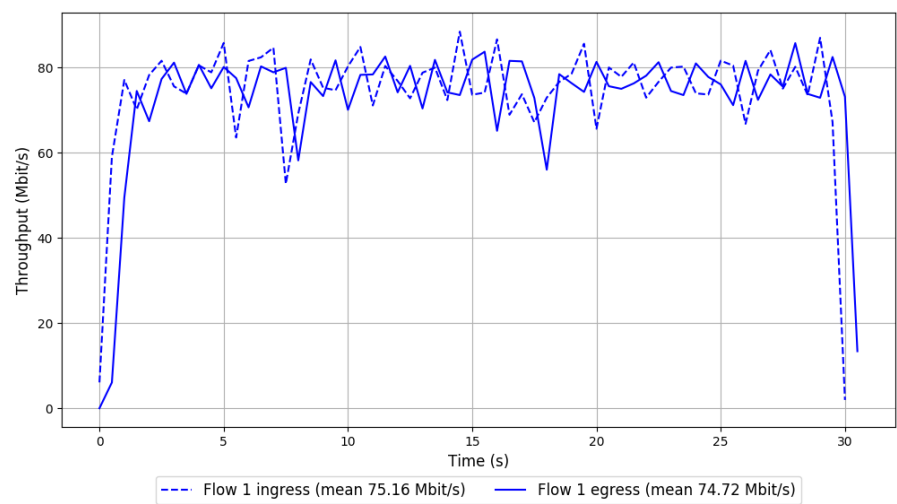


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 05:51:21
End at: 2018-05-24 05:51:51
Local clock offset: -2.192 ms
Remote clock offset: 11.944 ms

Below is generated by plot.py at 2018-05-24 06:46:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 107.278 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 107.278 ms
Loss rate: 0.59%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 06:09:49

End at: 2018-05-24 06:10:19

Local clock offset: -6.851 ms

Remote clock offset: 13.57 ms

Below is generated by plot.py at 2018-05-24 06:48:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.39 Mbit/s

95th percentile per-packet one-way delay: 105.565 ms

Loss rate: 0.61%

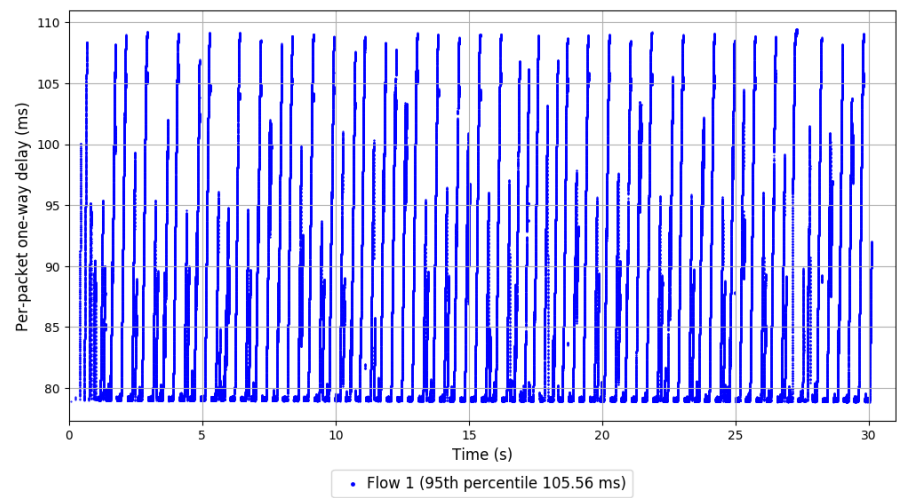
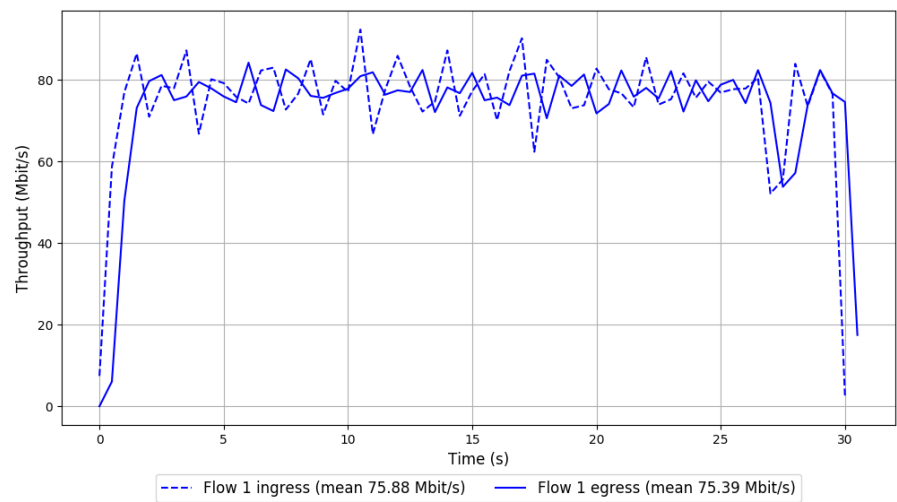
-- Flow 1:

Average throughput: 75.39 Mbit/s

95th percentile per-packet one-way delay: 105.565 ms

Loss rate: 0.61%

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

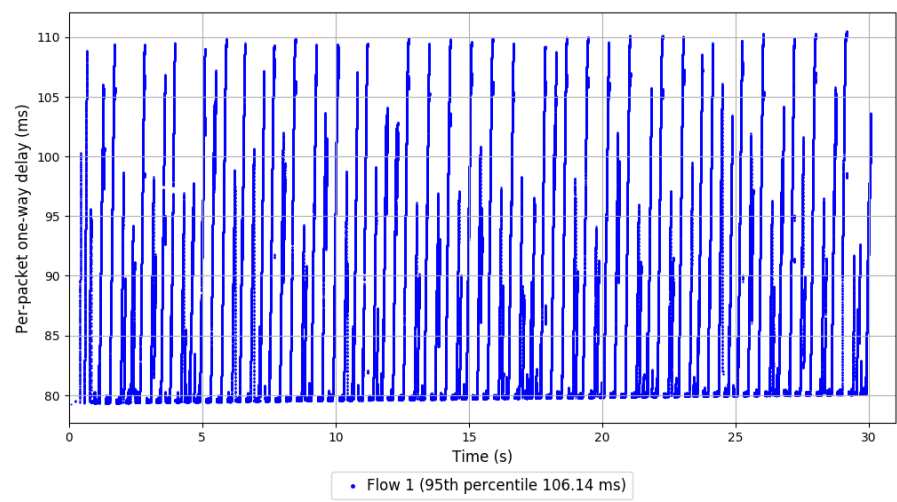
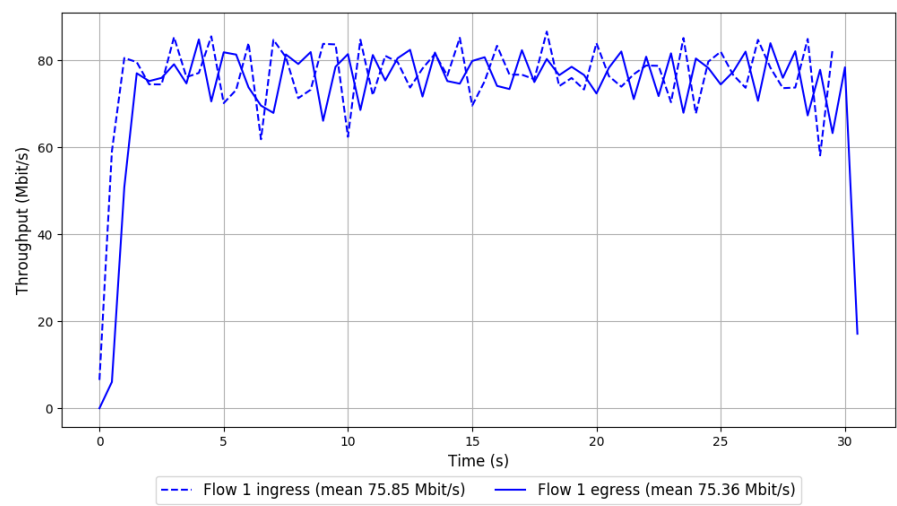


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 06:28:19
End at: 2018-05-24 06:28:49
Local clock offset: -6.809 ms
Remote clock offset: 10.883 ms

Below is generated by plot.py at 2018-05-24 06:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 106.139 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 106.139 ms
Loss rate: 0.57%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 03:28:13

End at: 2018-05-24 03:28:43

Local clock offset: -1.818 ms

Remote clock offset: 6.445 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 85.029 ms

Loss rate: 0.27%

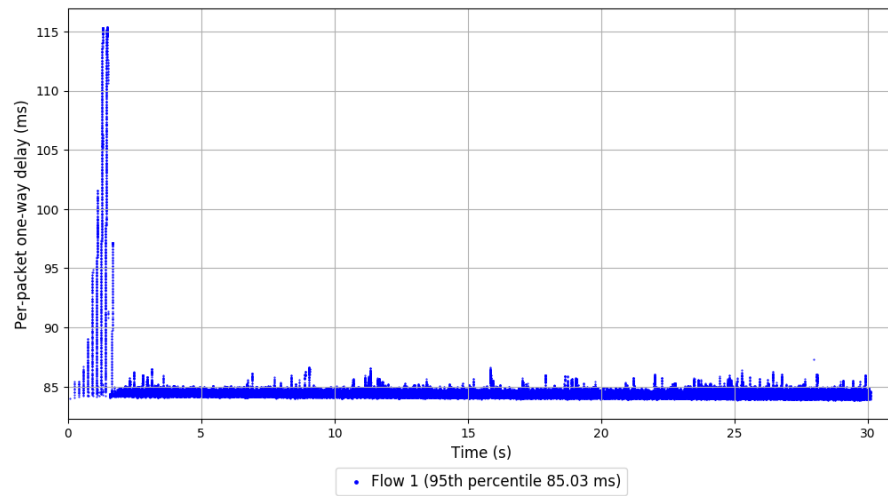
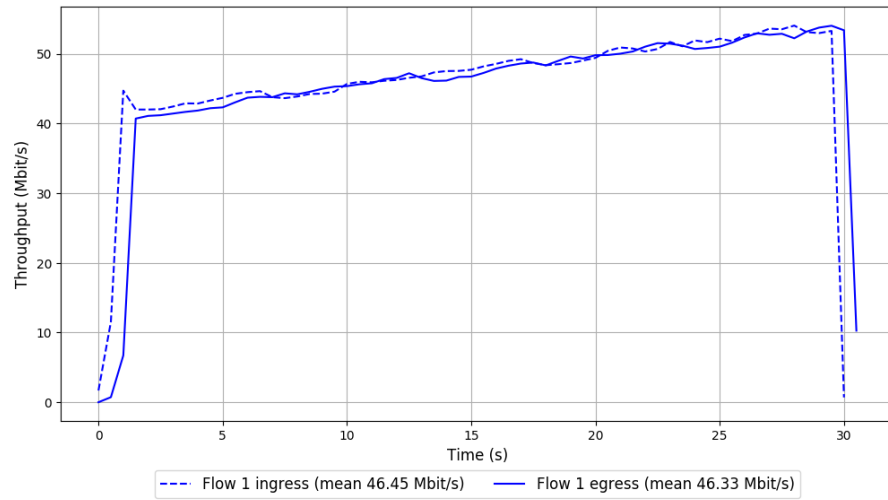
-- Flow 1:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 85.029 ms

Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 03:46:40

End at: 2018-05-24 03:47:10

Local clock offset: -6.11 ms

Remote clock offset: 8.256 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 84.596 ms

Loss rate: 0.28%

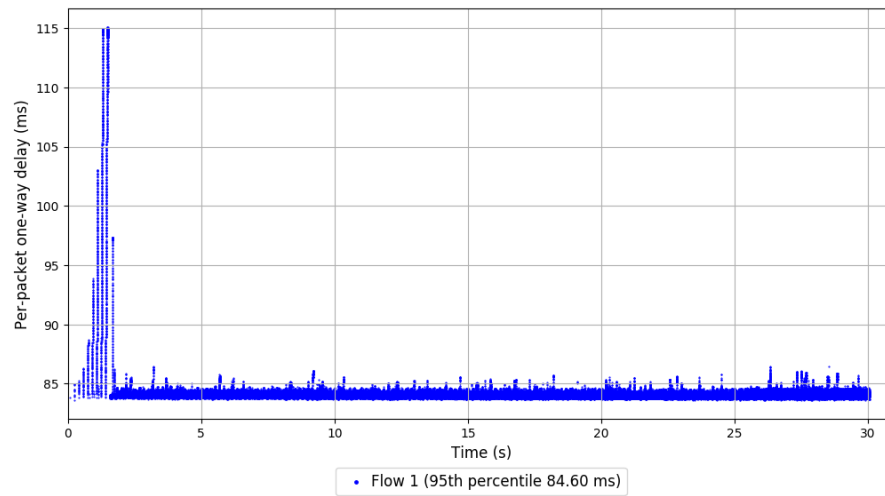
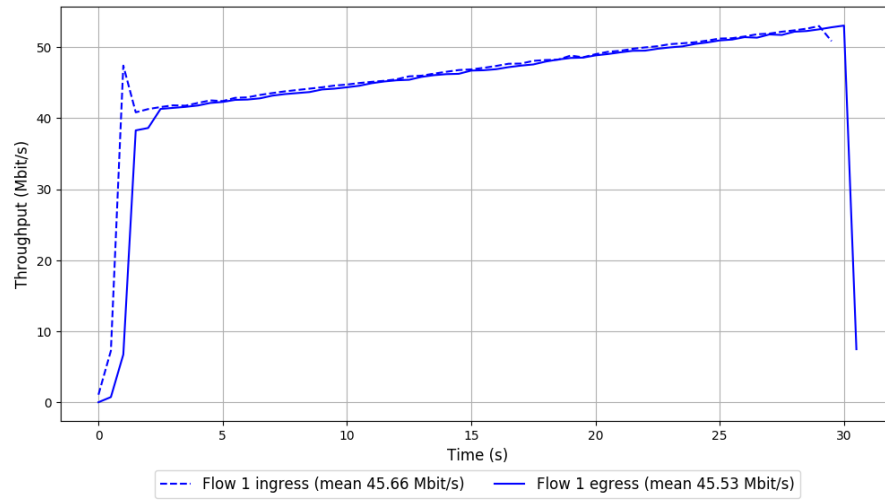
-- Flow 1:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 84.596 ms

Loss rate: 0.28%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 04:05:09

End at: 2018-05-24 04:05:39

Local clock offset: -7.865 ms

Remote clock offset: 5.449 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 93.760 ms

Loss rate: 1.28%

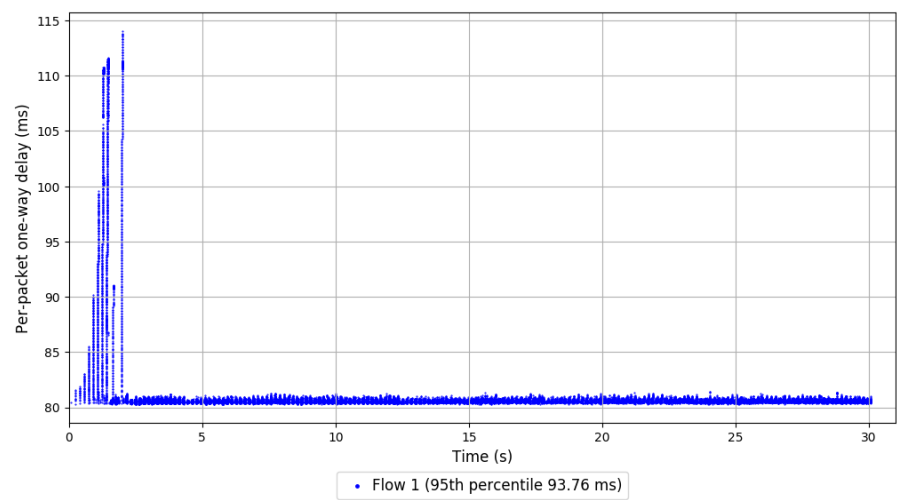
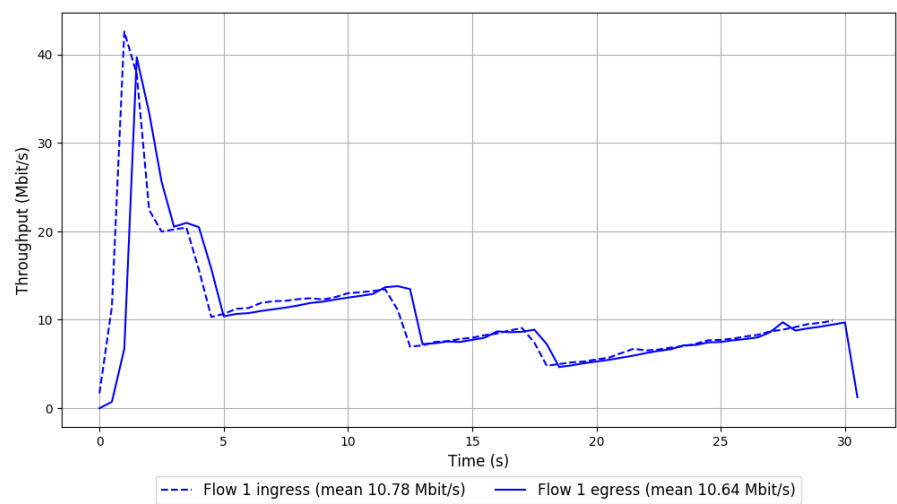
-- Flow 1:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 93.760 ms

Loss rate: 1.28%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 04:23:34

End at: 2018-05-24 04:24:04

Local clock offset: -7.048 ms

Remote clock offset: 3.129 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 79.004 ms

Loss rate: 0.28%

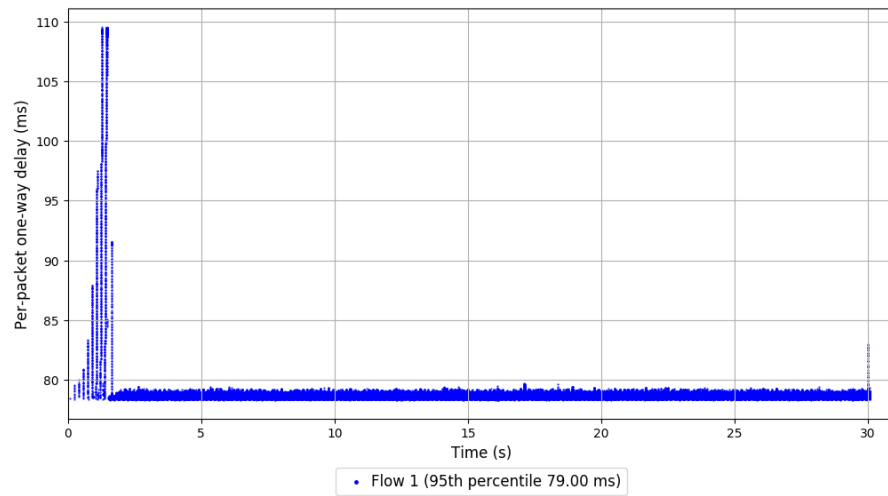
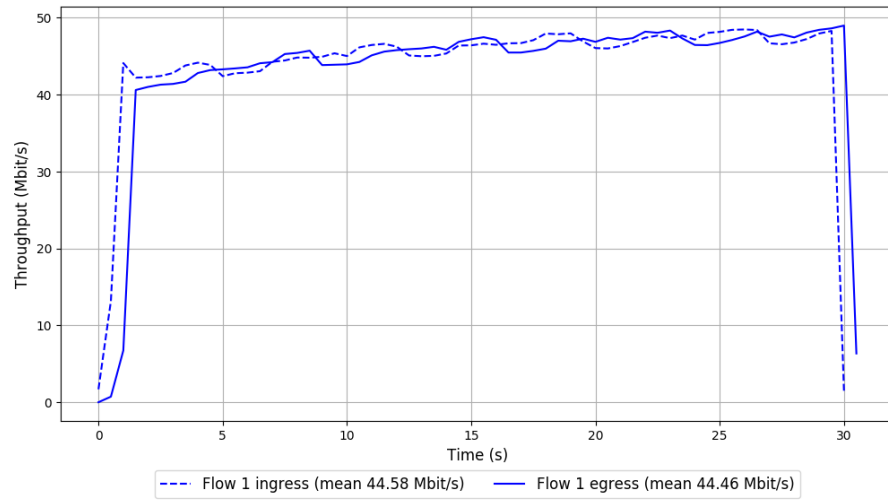
-- Flow 1:

Average throughput: 44.46 Mbit/s

95th percentile per-packet one-way delay: 79.004 ms

Loss rate: 0.28%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 04:42:04

End at: 2018-05-24 04:42:34

Local clock offset: -6.331 ms

Remote clock offset: 2.858 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 79.164 ms

Loss rate: 0.61%

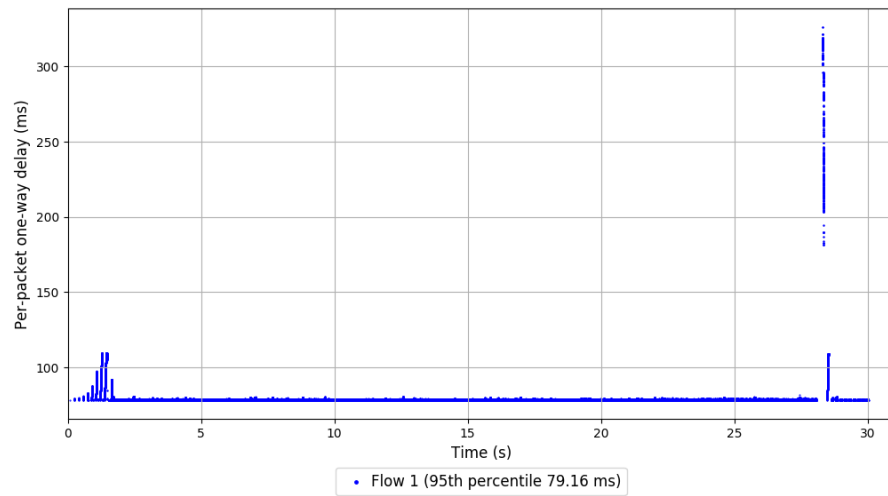
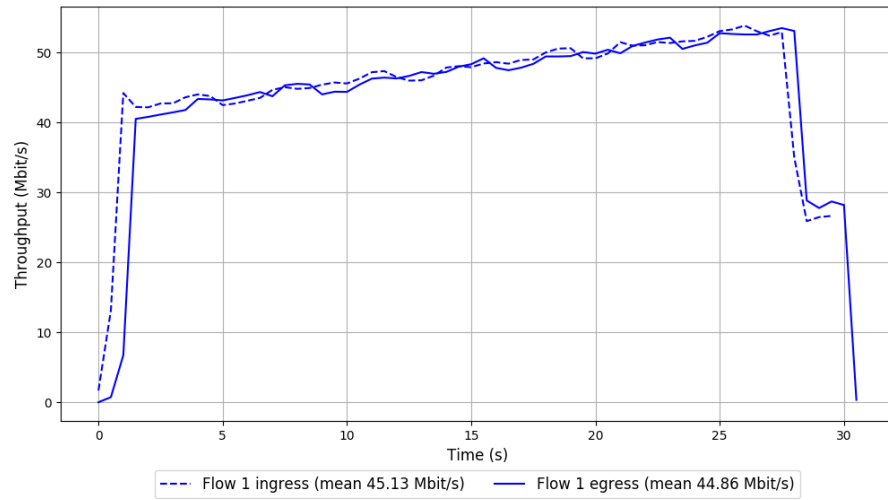
-- Flow 1:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 79.164 ms

Loss rate: 0.61%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 05:00:33

End at: 2018-05-24 05:01:03

Local clock offset: -4.649 ms

Remote clock offset: 7.915 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 0.91%

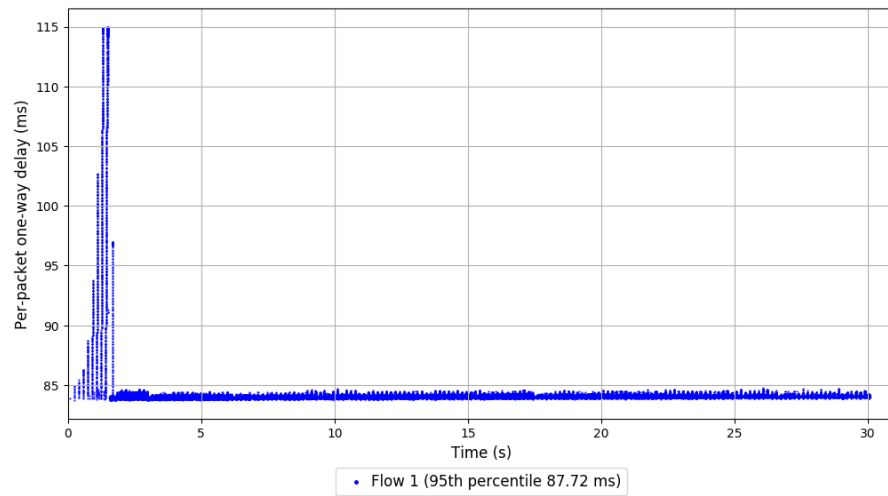
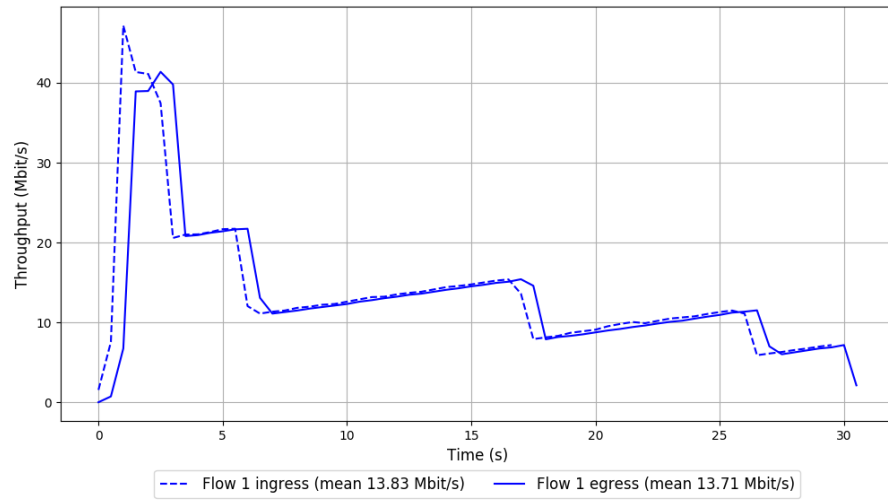
-- Flow 1:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 0.91%

Run 6: Report of TCP Vegas — Data Link

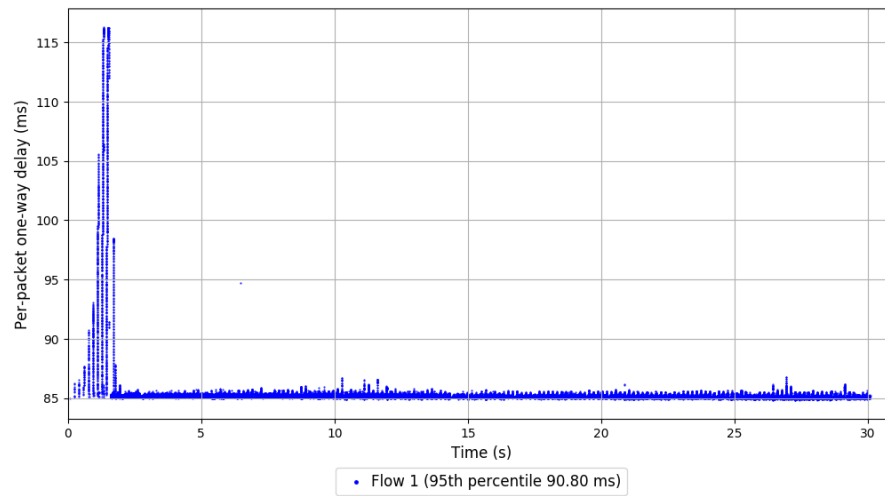
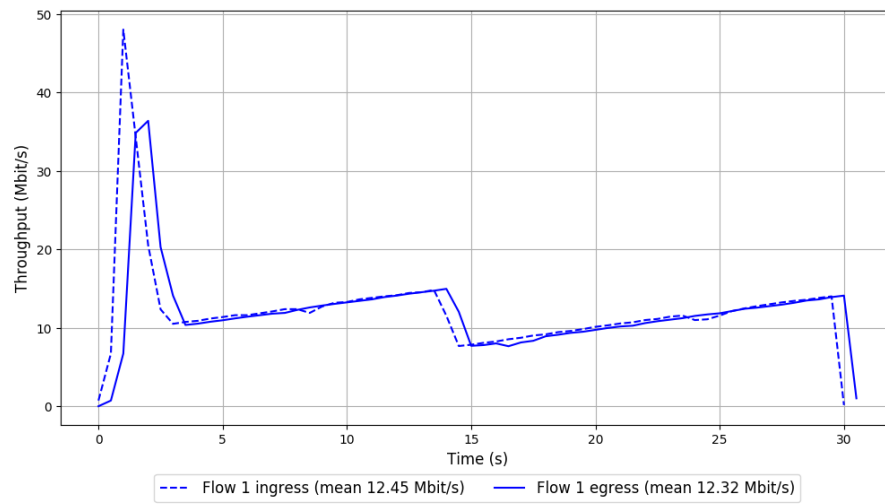


Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 05:19:00
End at: 2018-05-24 05:19:30
Local clock offset: -2.022 ms
Remote clock offset: 6.402 ms

Below is generated by plot.py at 2018-05-24 06:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 90.798 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 90.798 ms
Loss rate: 1.01%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 05:37:28

End at: 2018-05-24 05:37:58

Local clock offset: -2.307 ms

Remote clock offset: 9.727 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.85 Mbit/s

95th percentile per-packet one-way delay: 78.923 ms

Loss rate: 0.27%

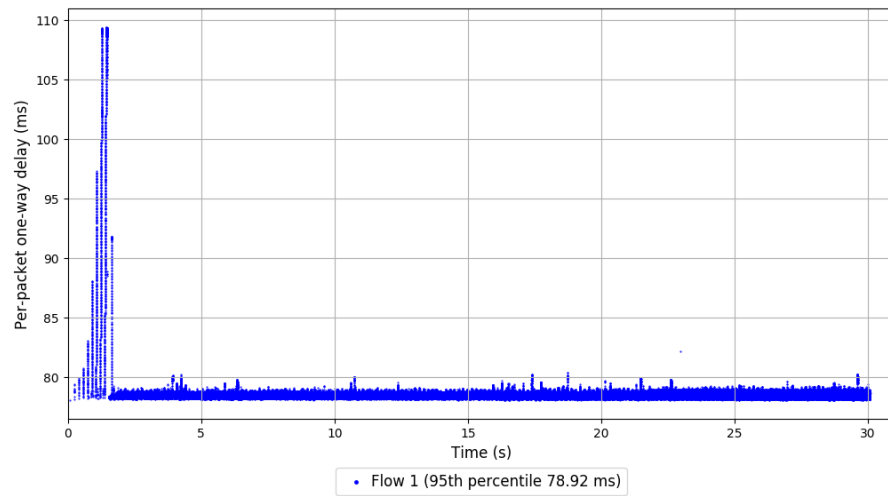
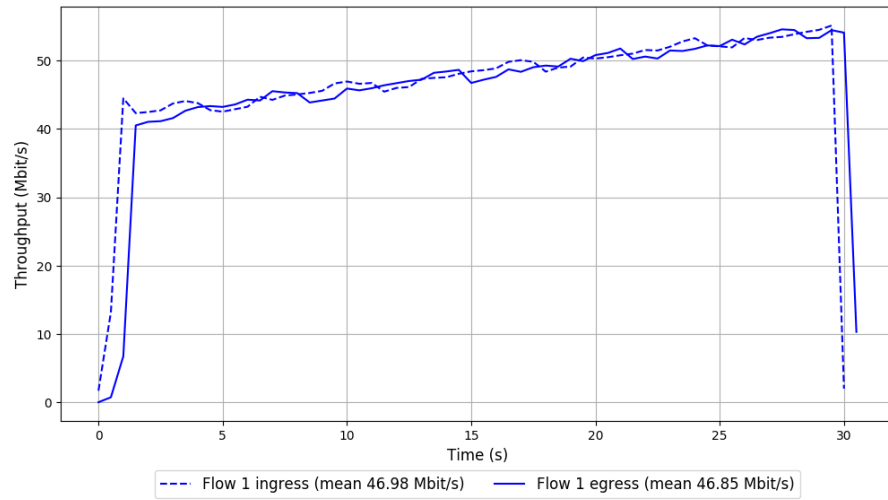
-- Flow 1:

Average throughput: 46.85 Mbit/s

95th percentile per-packet one-way delay: 78.923 ms

Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link

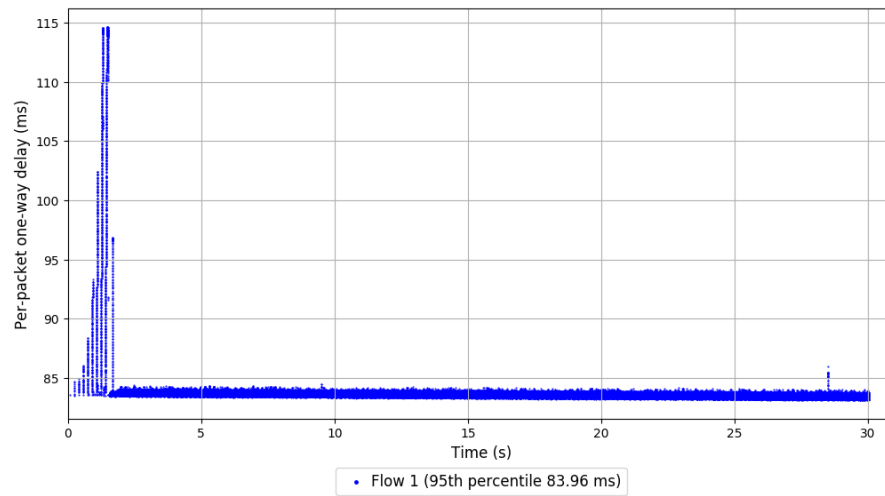
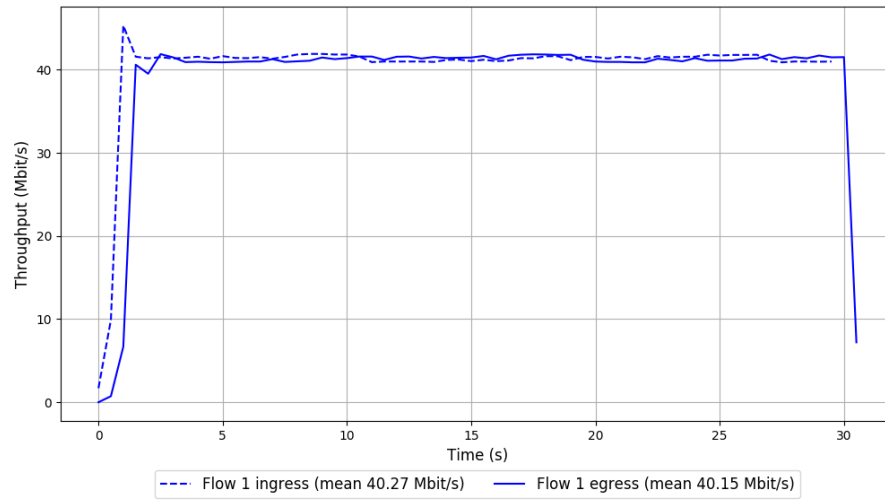


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 05:55:57
End at: 2018-05-24 05:56:27
Local clock offset: -1.336 ms
Remote clock offset: 16.072 ms

Below is generated by plot.py at 2018-05-24 06:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 83.964 ms
Loss rate: 0.30%

Run 9: Report of TCP Vegas — Data Link

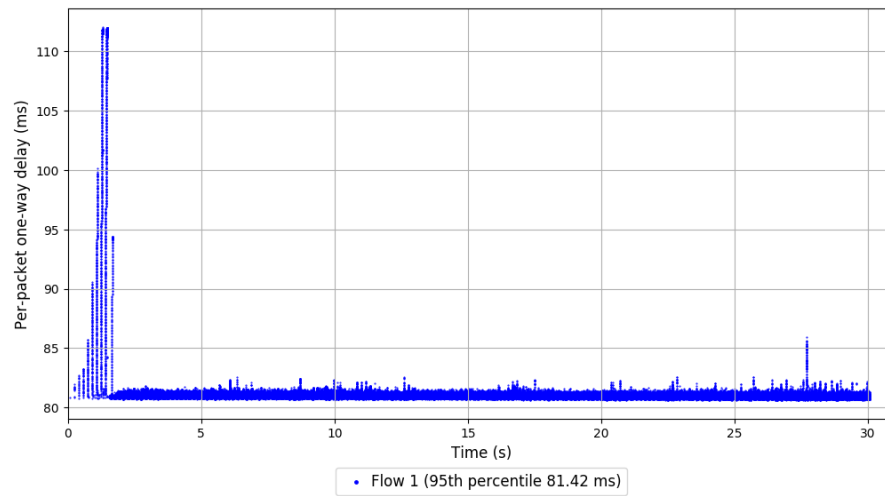
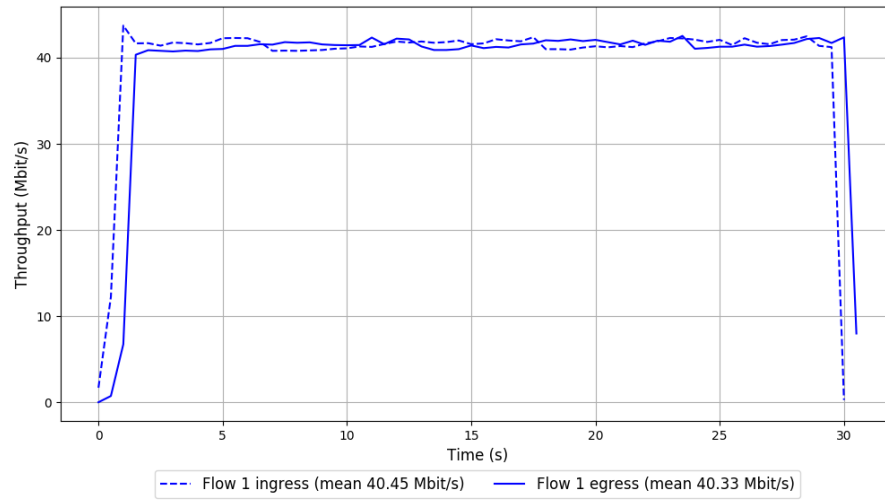


Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 06:14:26
End at: 2018-05-24 06:14:56
Local clock offset: -8.182 ms
Remote clock offset: 12.968 ms

Below is generated by plot.py at 2018-05-24 06:48:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 81.419 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 81.419 ms
Loss rate: 0.31%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 03:31:41

End at: 2018-05-24 03:32:11

Local clock offset: -3.613 ms

Remote clock offset: 1.844 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-24 03:50:09

End at: 2018-05-24 03:50:39

Local clock offset: -8.033 ms

Remote clock offset: 3.916 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-24 04:08:36

End at: 2018-05-24 04:09:06

Local clock offset: -6.979 ms

Remote clock offset: 9.344 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-24 04:27:03

End at: 2018-05-24 04:27:33

Local clock offset: -7.757 ms

Remote clock offset: 7.704 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-24 04:45:32

End at: 2018-05-24 04:46:02

Local clock offset: -7.075 ms

Remote clock offset: 8.453 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-24 05:04:00

End at: 2018-05-24 05:04:30

Local clock offset: -4.679 ms

Remote clock offset: 4.298 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-24 05:22:27

End at: 2018-05-24 05:22:57

Local clock offset: -2.558 ms

Remote clock offset: 11.537 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-24 05:40:57

End at: 2018-05-24 05:41:27

Local clock offset: -2.286 ms

Remote clock offset: 13.866 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-24 05:59:25

End at: 2018-05-24 05:59:55

Local clock offset: -3.922 ms

Remote clock offset: 12.525 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-24 06:17:54

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

Local clock offset: -7.755 ms

Remote clock offset: 14.08 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 03:39:42

End at: 2018-05-24 03:40:13

Local clock offset: -5.917 ms

Remote clock offset: 7.499 ms

Below is generated by plot.py at 2018-05-24 06:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.26 Mbit/s

95th percentile per-packet one-way delay: 96.150 ms

Loss rate: 0.04%

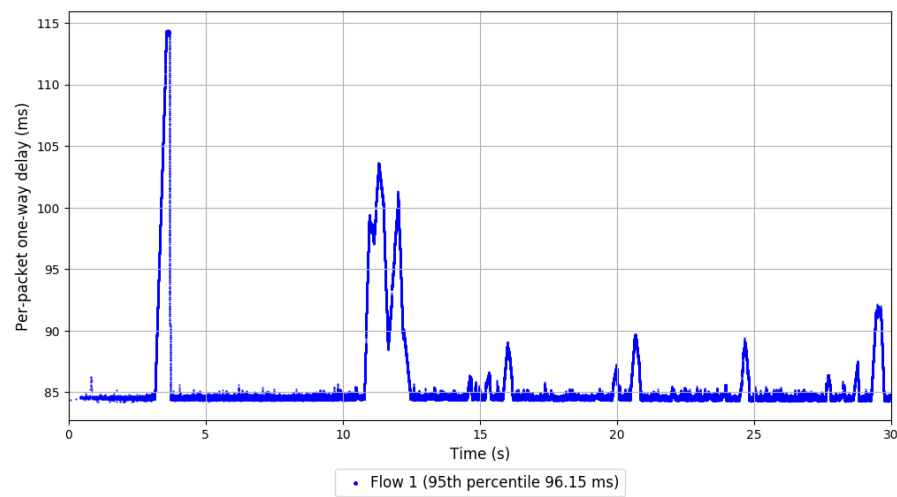
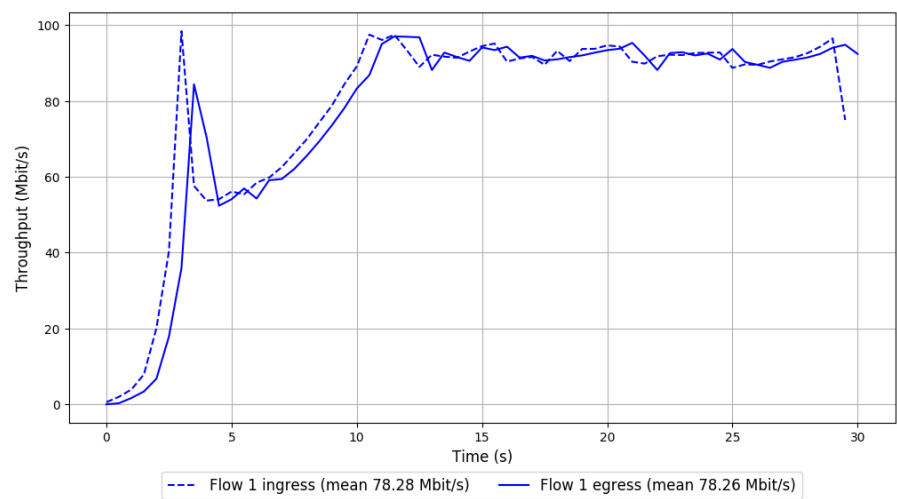
-- Flow 1:

Average throughput: 78.26 Mbit/s

95th percentile per-packet one-way delay: 96.150 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 03:58:11

End at: 2018-05-24 03:58:41

Local clock offset: -7.423 ms

Remote clock offset: 5.191 ms

Below is generated by plot.py at 2018-05-24 06:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 107.985 ms

Loss rate: 0.12%

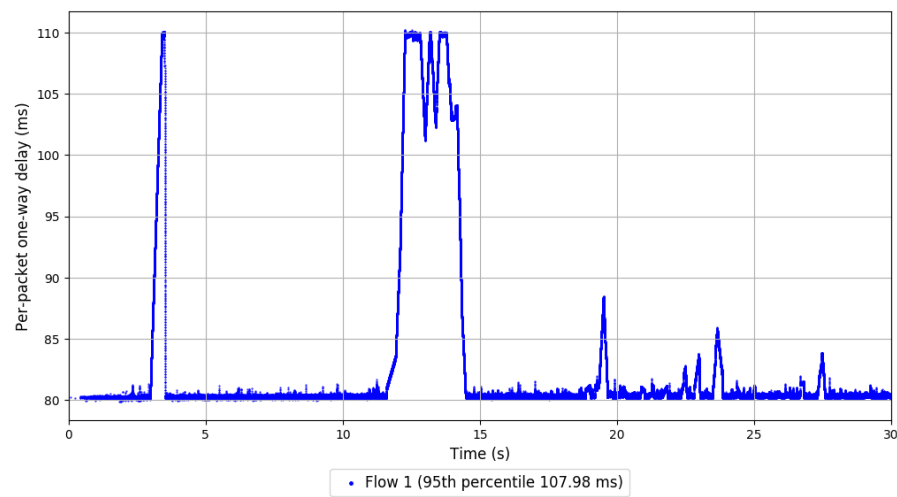
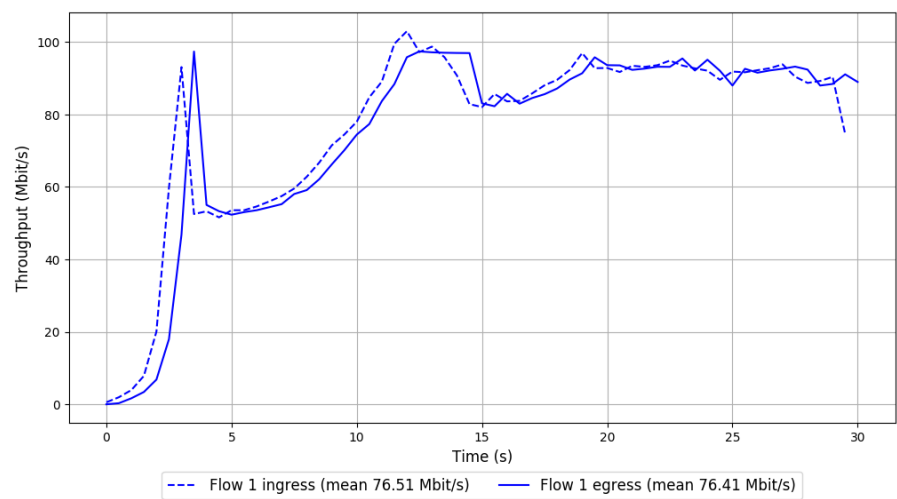
-- Flow 1:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 107.985 ms

Loss rate: 0.12%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 04:16:36

End at: 2018-05-24 04:17:06

Local clock offset: -6.216 ms

Remote clock offset: 8.211 ms

Below is generated by plot.py at 2018-05-24 06:48:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 94.219 ms

Loss rate: 0.04%

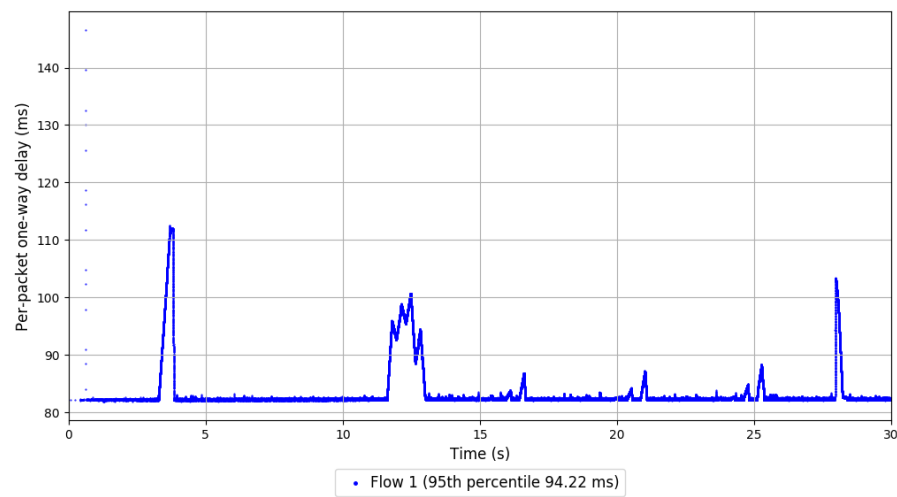
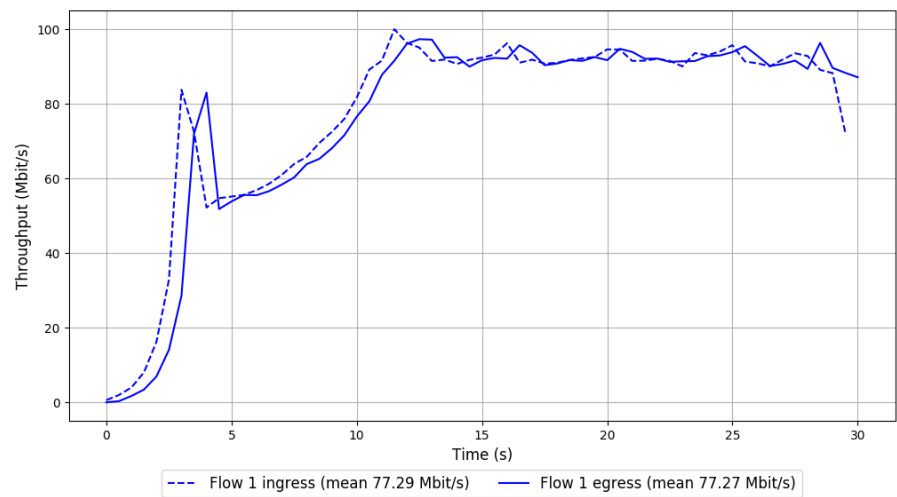
-- Flow 1:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 94.219 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 04:35:06

End at: 2018-05-24 04:35:36

Local clock offset: -6.498 ms

Remote clock offset: 8.342 ms

Below is generated by plot.py at 2018-05-24 06:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 91.115 ms

Loss rate: 0.06%

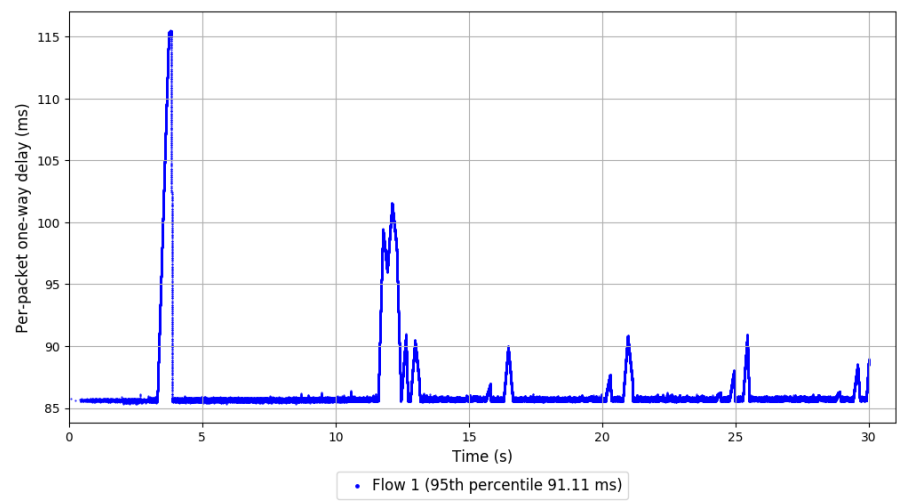
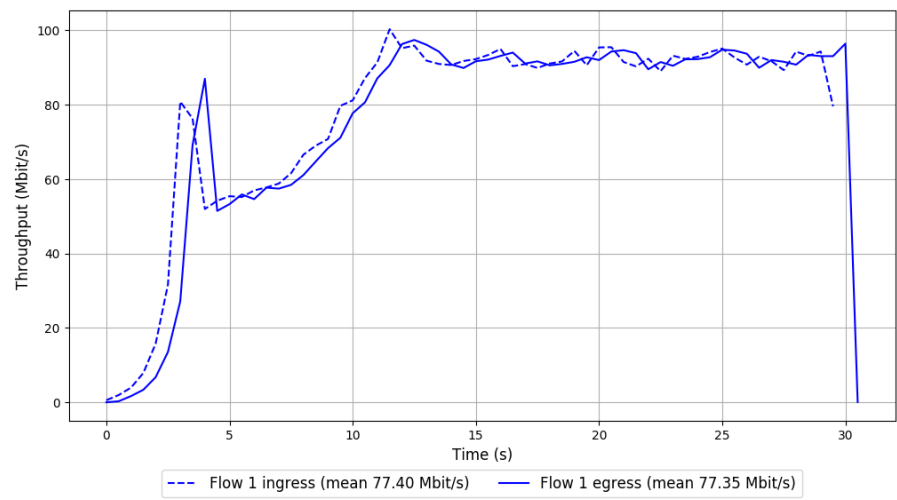
-- Flow 1:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 91.115 ms

Loss rate: 0.06%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 04:53:35

End at: 2018-05-24 04:54:05

Local clock offset: -6.295 ms

Remote clock offset: 4.666 ms

Below is generated by plot.py at 2018-05-24 06:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 91.769 ms

Loss rate: 0.03%

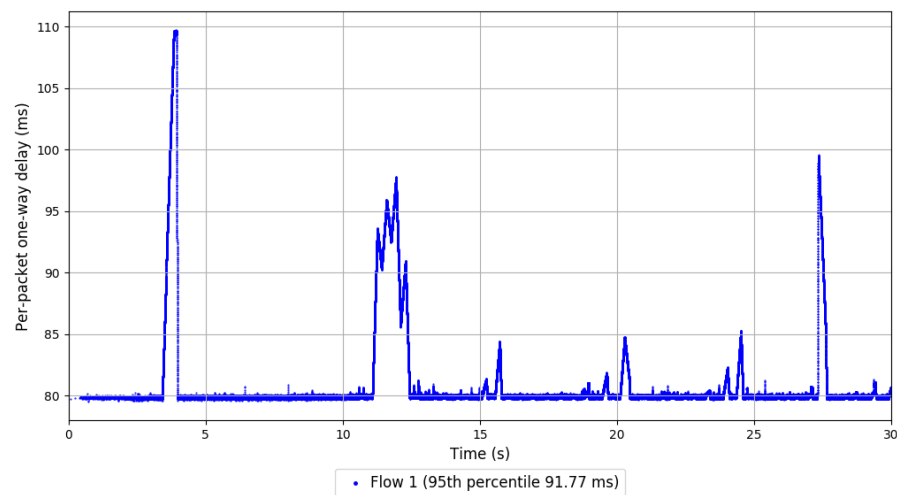
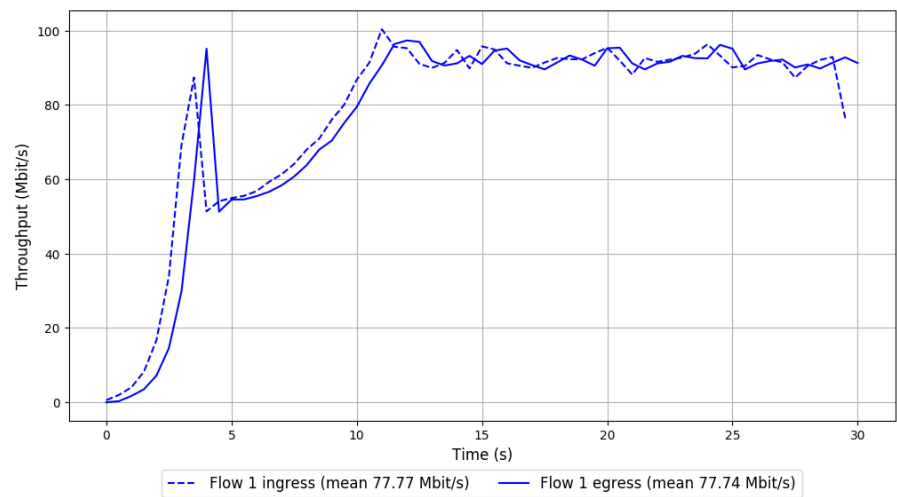
-- Flow 1:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 91.769 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 05:12:03

End at: 2018-05-24 05:12:33

Local clock offset: -3.468 ms

Remote clock offset: 4.486 ms

Below is generated by plot.py at 2018-05-24 06:48:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 107.620 ms

Loss rate: 0.12%

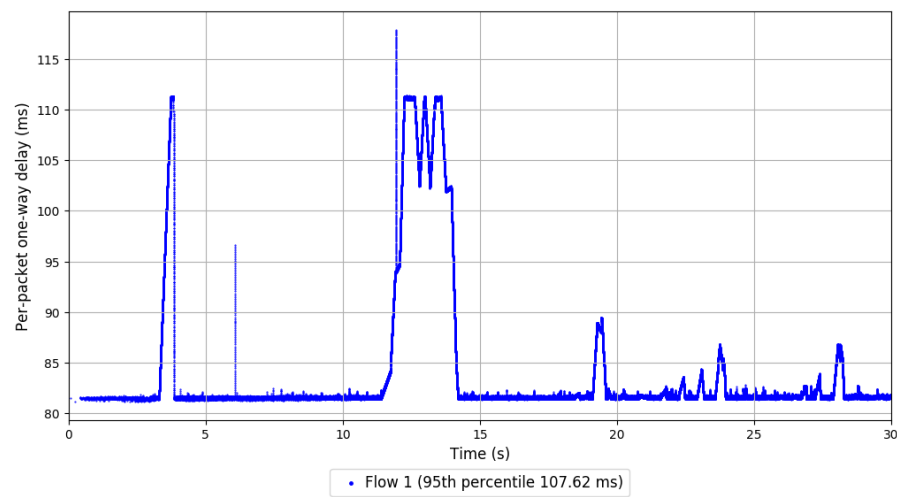
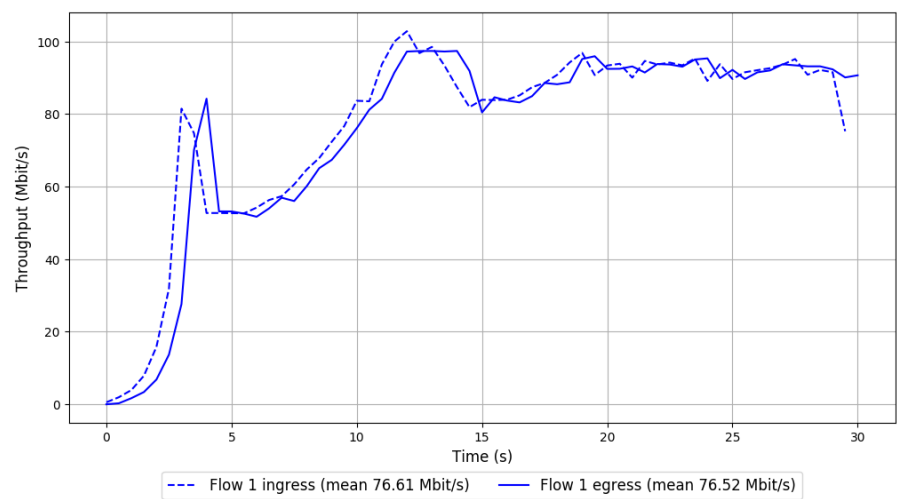
-- Flow 1:

Average throughput: 76.52 Mbit/s

95th percentile per-packet one-way delay: 107.620 ms

Loss rate: 0.12%

Run 6: Report of PCC-Vivace — Data Link

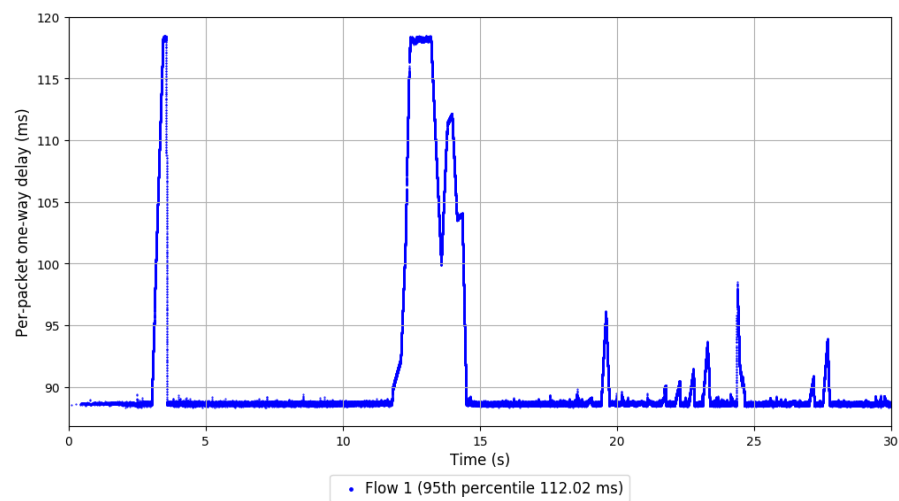
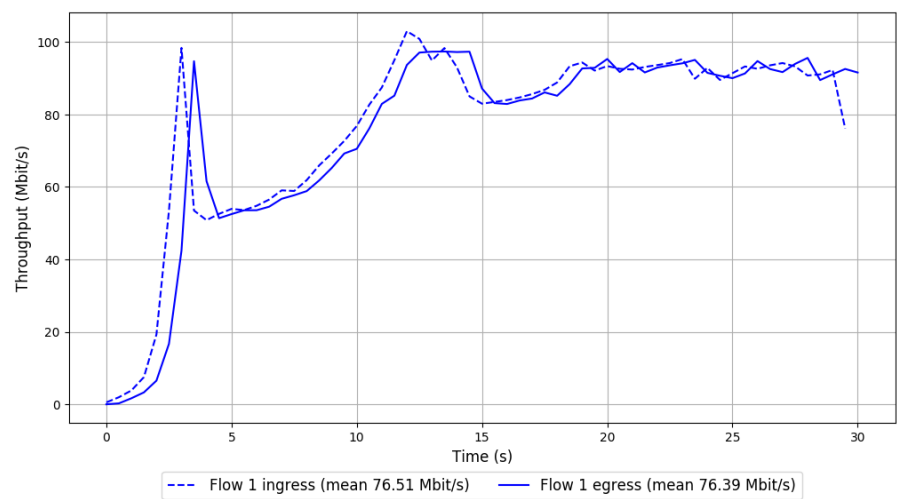


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 05:30:30
End at: 2018-05-24 05:31:00
Local clock offset: -1.99 ms
Remote clock offset: 13.385 ms

Below is generated by plot.py at 2018-05-24 06:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 112.020 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 112.020 ms
Loss rate: 0.17%

Run 7: Report of PCC-Vivace — Data Link

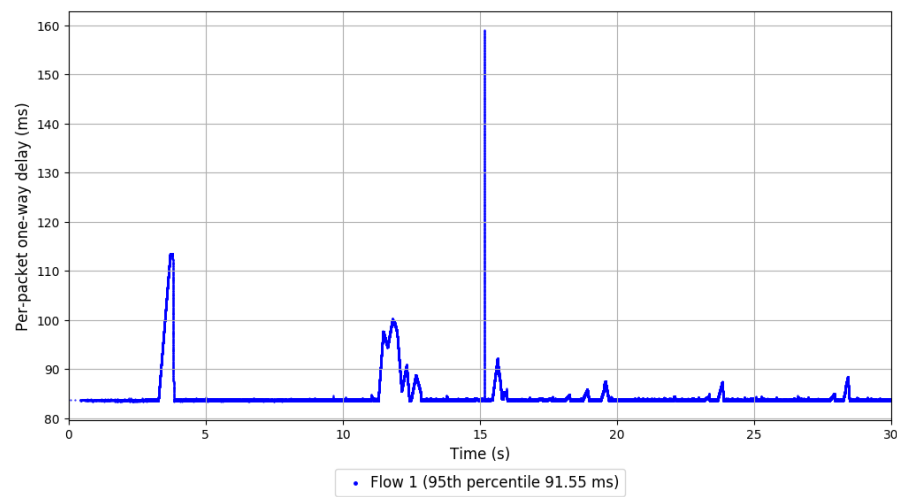
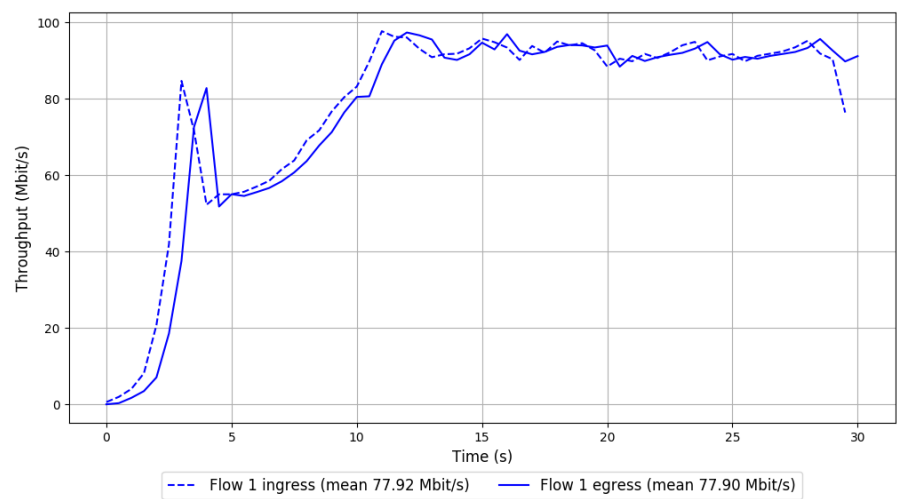


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 05:48:59
End at: 2018-05-24 05:49:29
Local clock offset: -1.464 ms
Remote clock offset: 15.423 ms

Below is generated by plot.py at 2018-05-24 06:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 91.550 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 91.550 ms
Loss rate: 0.03%

Run 8: Report of PCC-Vivace — Data Link

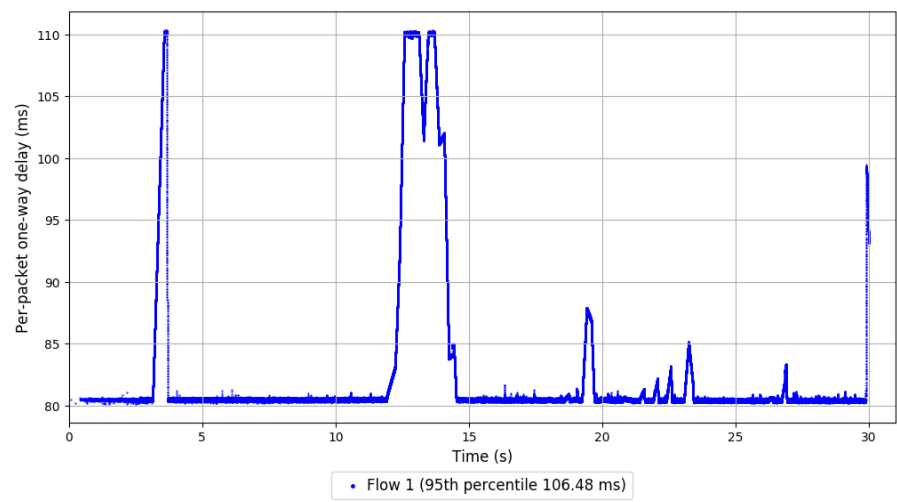
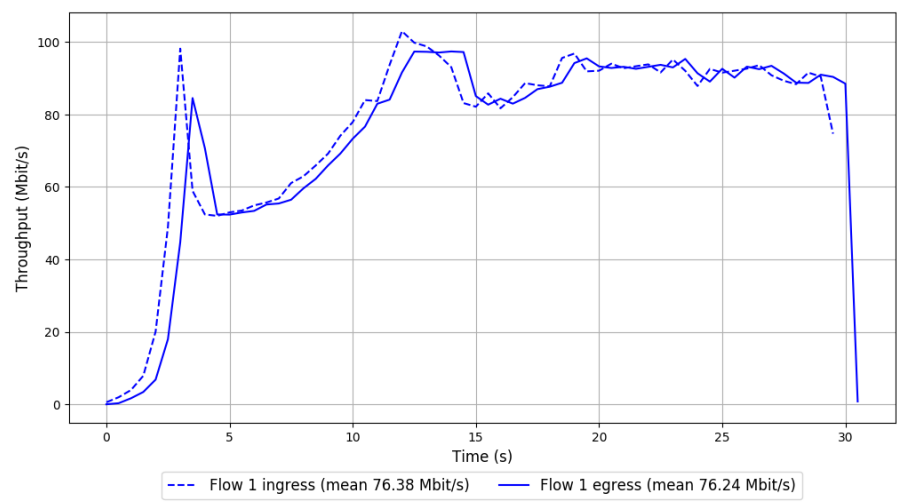


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 06:07:28
End at: 2018-05-24 06:07:58
Local clock offset: -6.343 ms
Remote clock offset: 12.466 ms

Below is generated by plot.py at 2018-05-24 06:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 106.478 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 106.478 ms
Loss rate: 0.16%

Run 9: Report of PCC-Vivace — Data Link

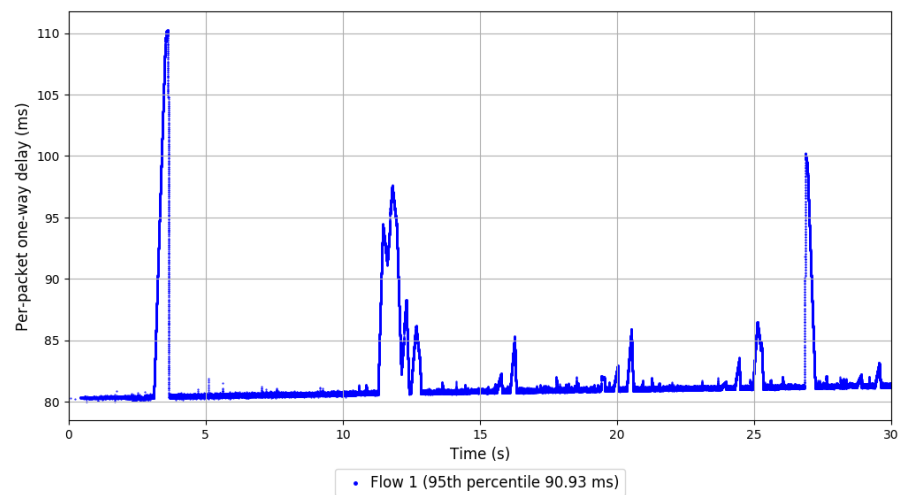
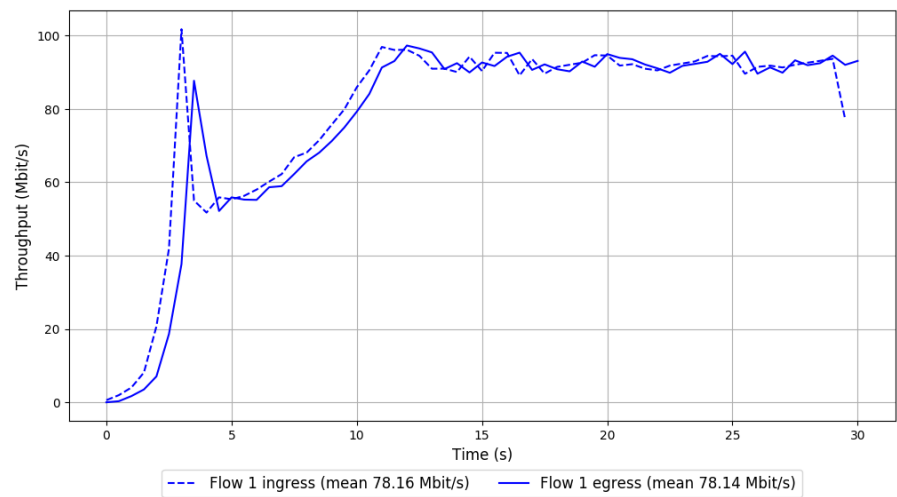


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 06:25:57
End at: 2018-05-24 06:26:27
Local clock offset: -8.362 ms
Remote clock offset: 13.426 ms

Below is generated by plot.py at 2018-05-24 06:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 90.928 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 90.928 ms
Loss rate: 0.03%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-24 03:43:17

End at: 2018-05-24 03:43:47

Local clock offset: -6.468 ms

Remote clock offset: 7.145 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.174 ms

Loss rate: 0.00%

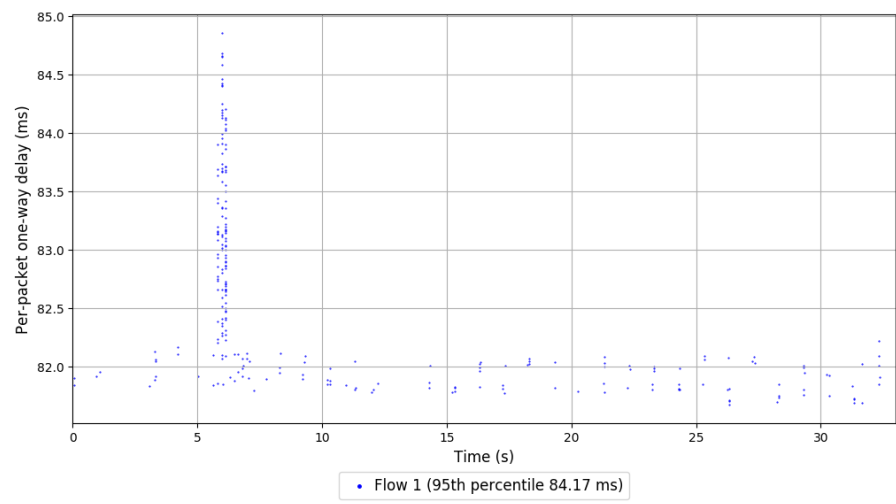
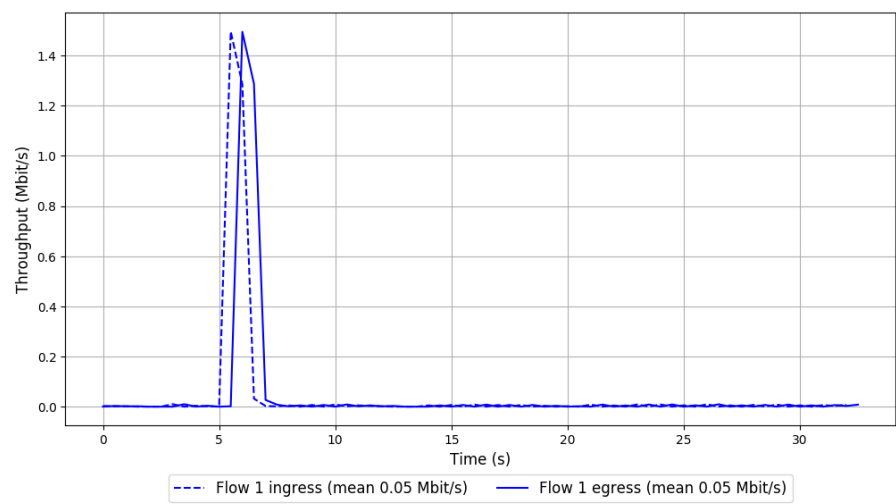
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.174 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-24 04:01:45

End at: 2018-05-24 04:02:16

Local clock offset: -7.241 ms

Remote clock offset: 9.974 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.068 ms

Loss rate: 0.00%

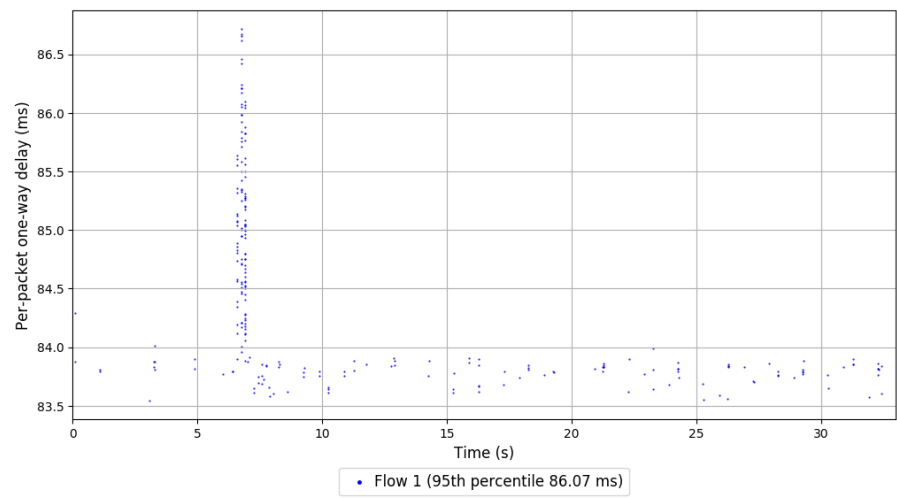
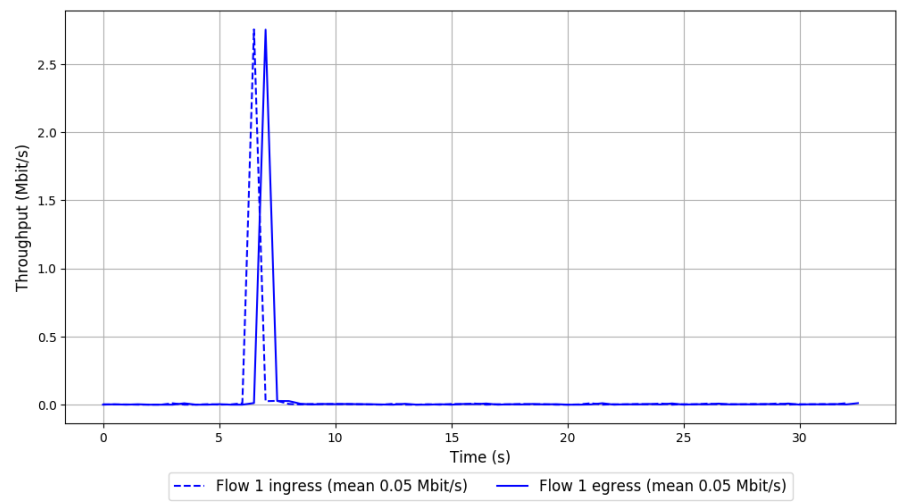
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.068 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-24 04:20:11

End at: 2018-05-24 04:20:41

Local clock offset: -7.069 ms

Remote clock offset: 3.461 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.793 ms

Loss rate: 0.00%

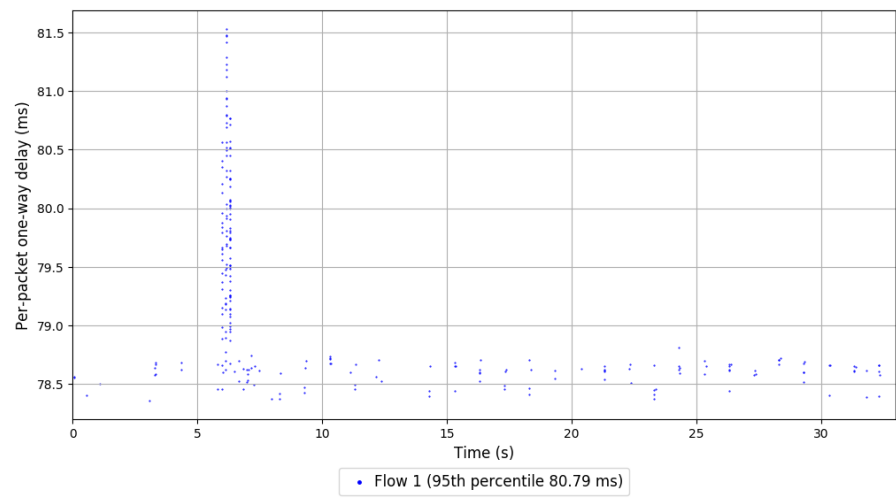
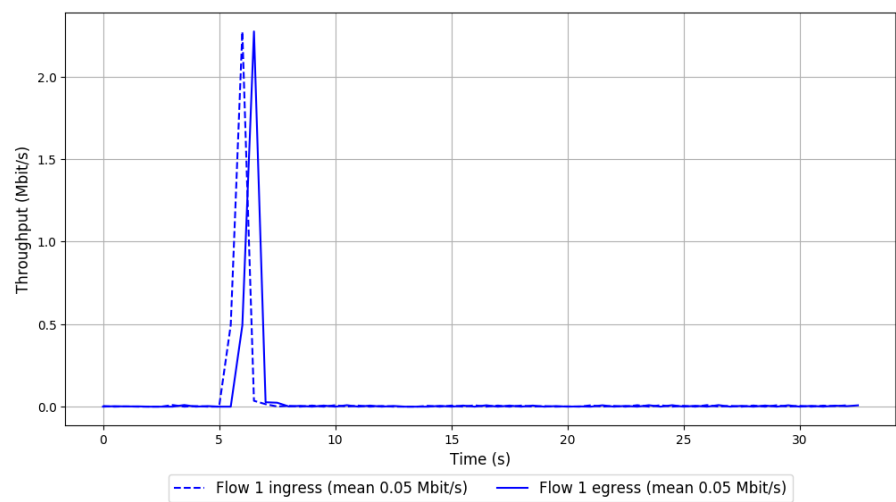
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.793 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 04:38:40

End at: 2018-05-24 04:39:10

Local clock offset: -6.386 ms

Remote clock offset: 3.594 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.627 ms

Loss rate: 0.00%

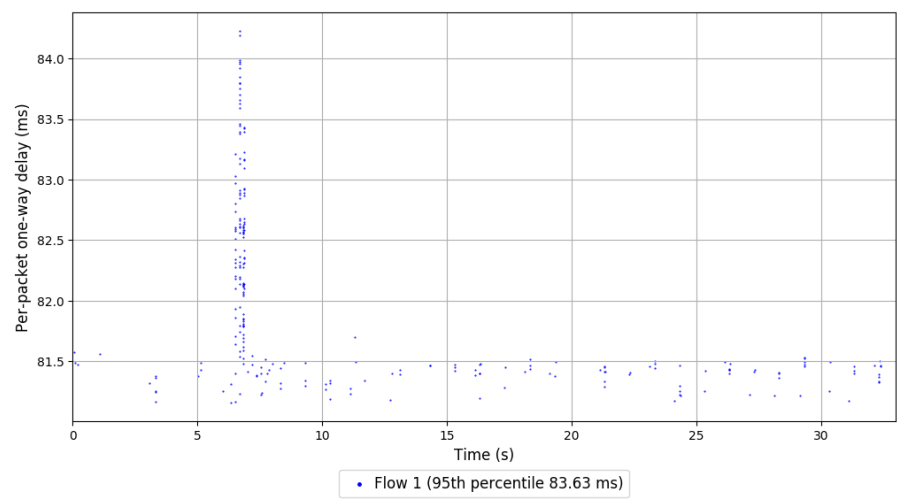
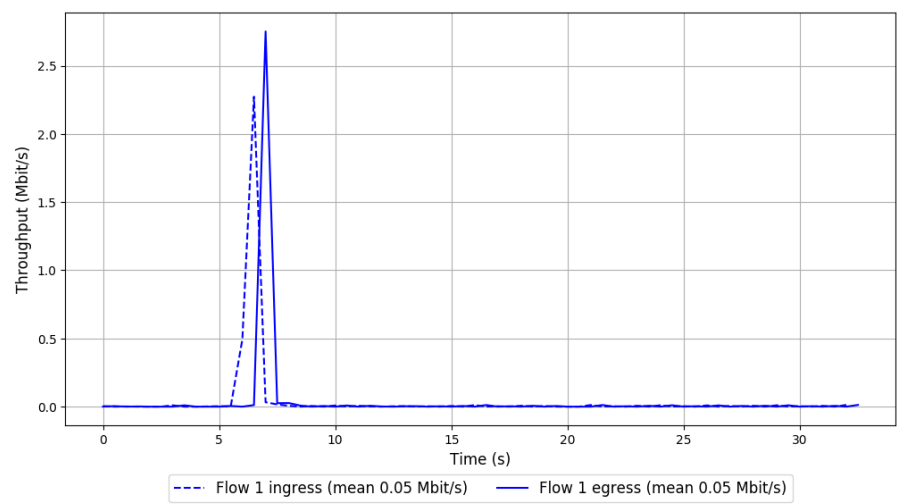
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.627 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-24 04:57:09

End at: 2018-05-24 04:57:39

Local clock offset: -5.897 ms

Remote clock offset: 4.856 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.562 ms

Loss rate: 0.00%

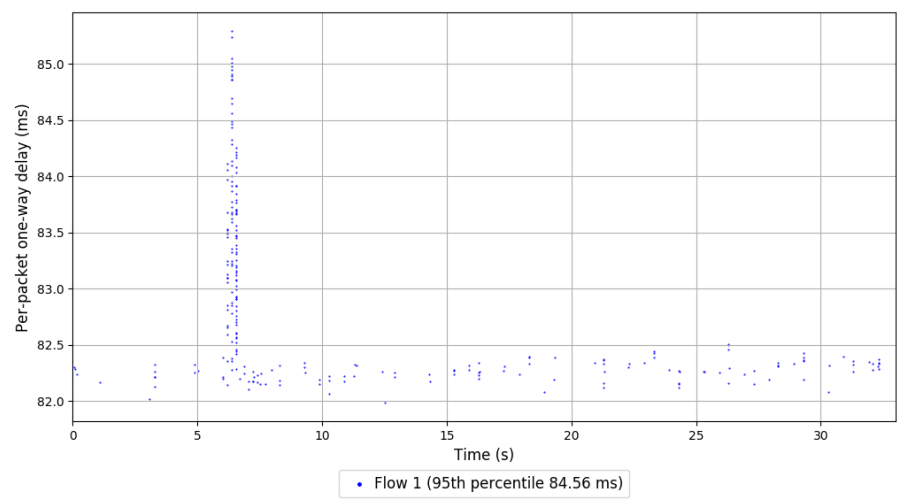
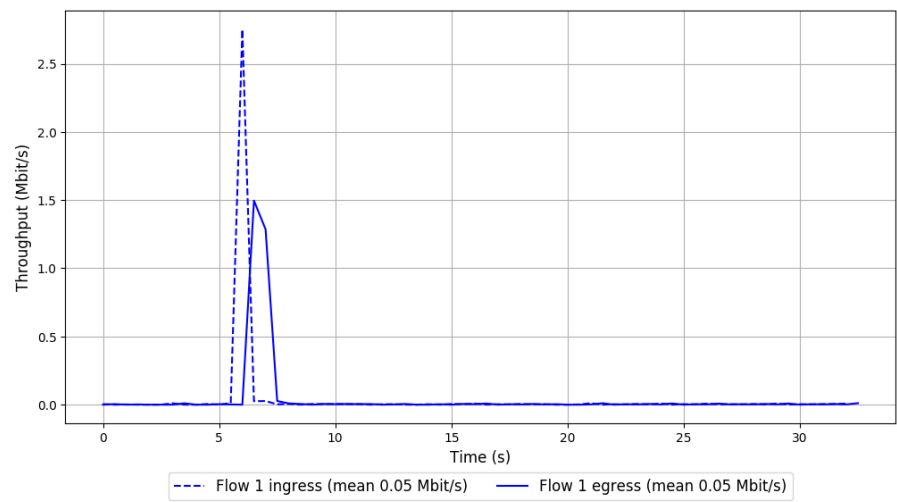
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.562 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-24 05:15:37

End at: 2018-05-24 05:16:07

Local clock offset: -3.057 ms

Remote clock offset: 5.533 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.506 ms

Loss rate: 0.00%

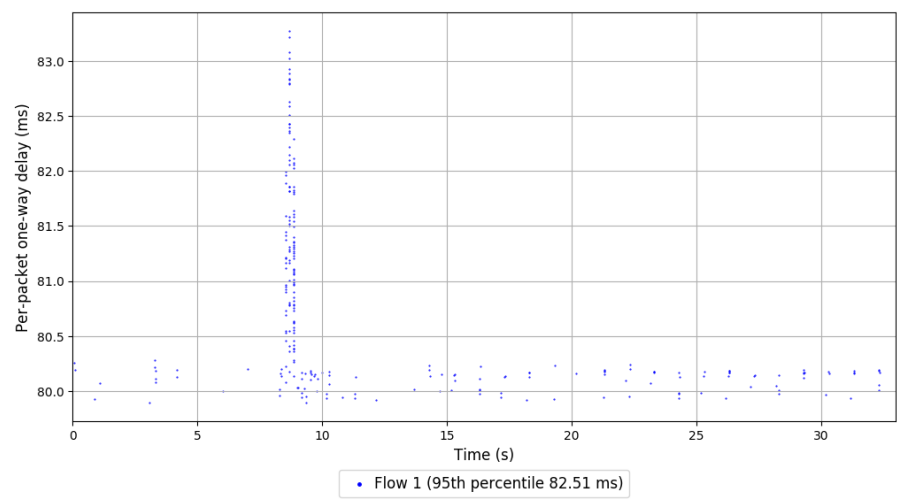
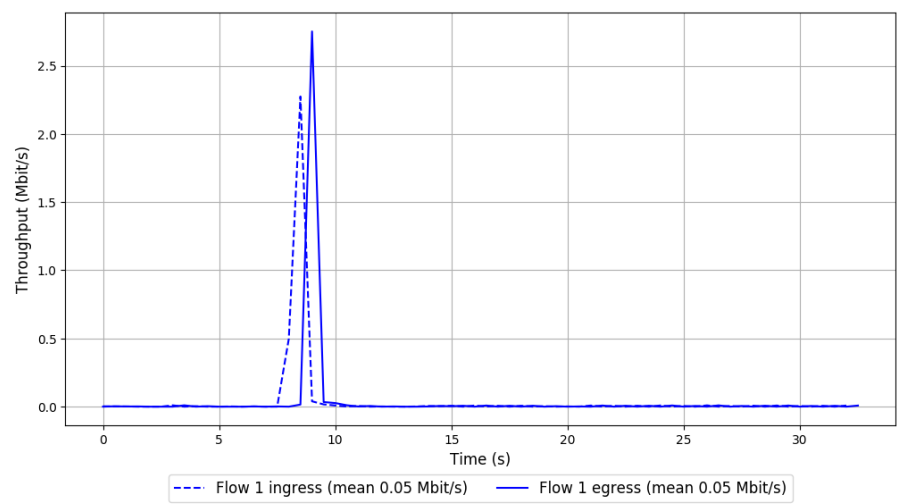
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.506 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-24 05:34:05

End at: 2018-05-24 05:34:35

Local clock offset: -2.939 ms

Remote clock offset: 10.17 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 89.482 ms

Loss rate: 0.00%

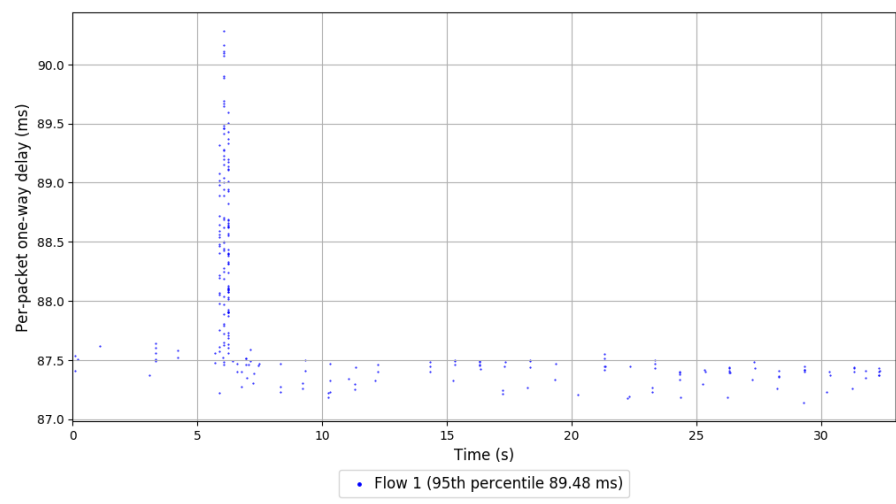
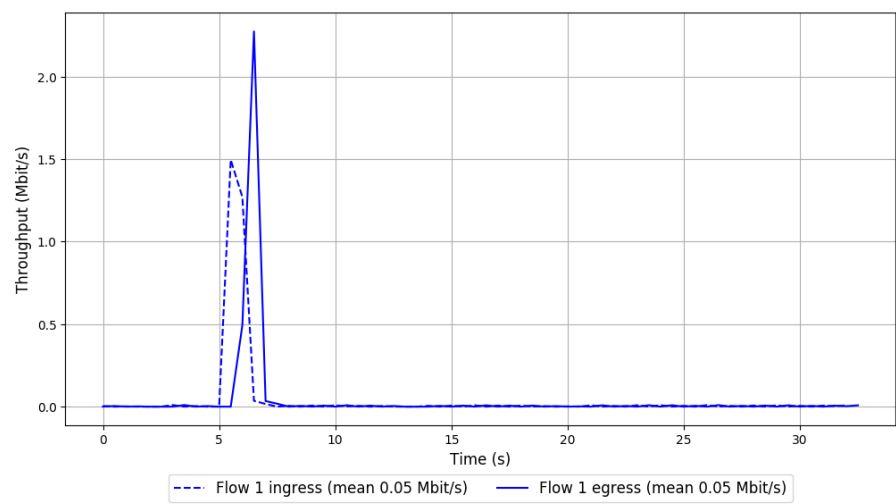
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 89.482 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-24 05:52:33

End at: 2018-05-24 05:53:03

Local clock offset: -2.168 ms

Remote clock offset: 12.01 ms

Below is generated by plot.py at 2018-05-24 06:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.874 ms

Loss rate: 0.00%

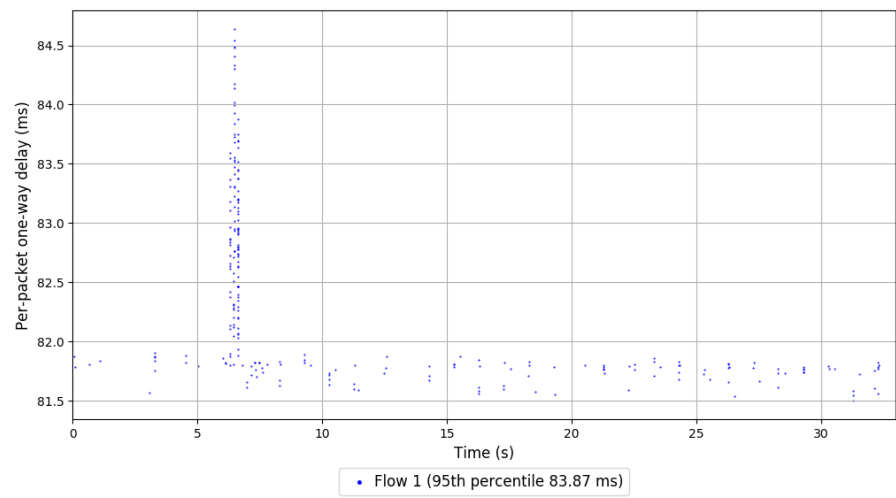
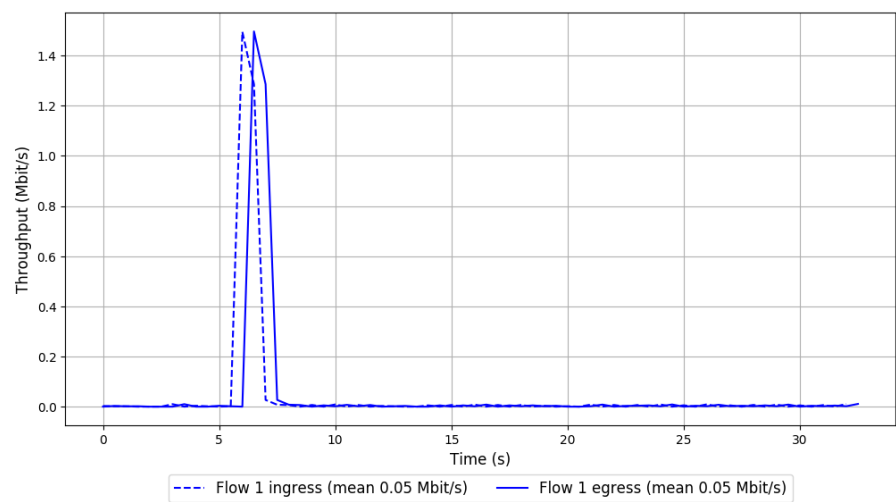
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 83.874 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

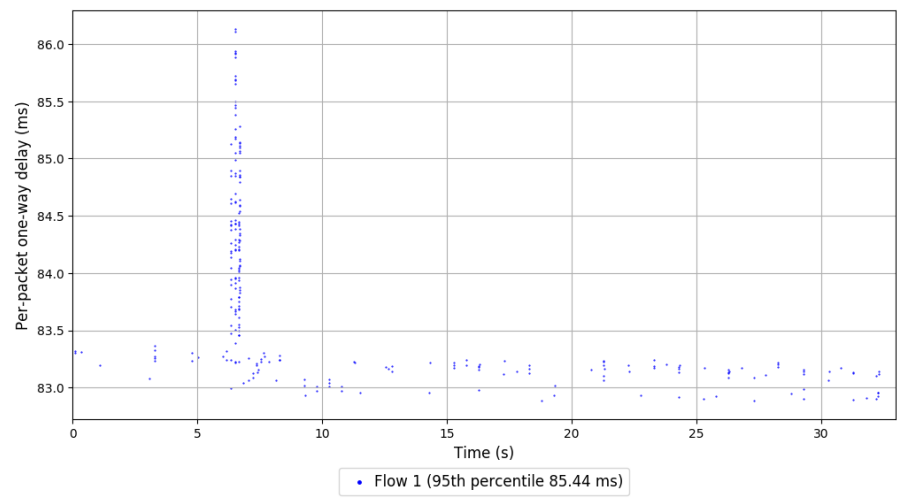
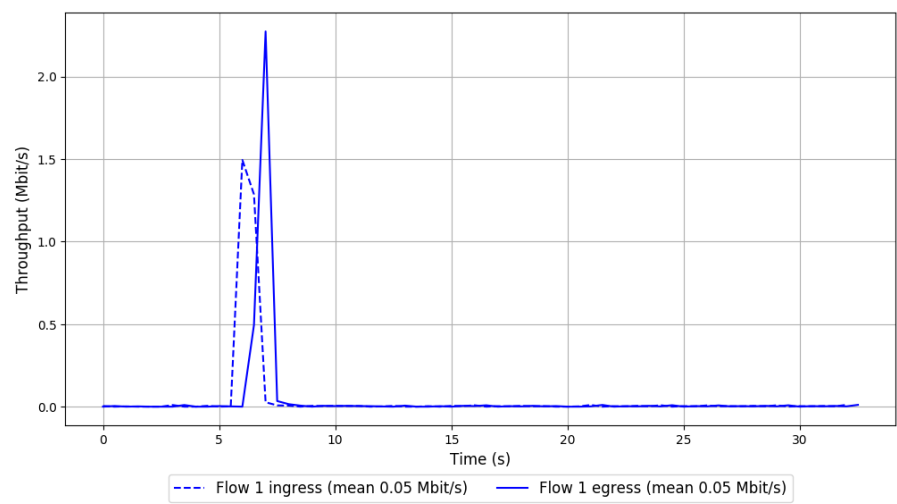


Run 9: Statistics of WebRTC media

Start at: 2018-05-24 06:11:02
End at: 2018-05-24 06:11:32
Local clock offset: -6.189 ms
Remote clock offset: 12.814 ms

Below is generated by plot.py at 2018-05-24 06:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 85.441 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 06:29:32
End at: 2018-05-24 06:30:02
Local clock offset: -5.347 ms
Remote clock offset: 10.769 ms

Below is generated by plot.py at 2018-05-24 06:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 83.915 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

