

Pantheon Report

Generated at 2018-06-29 16:19:02 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

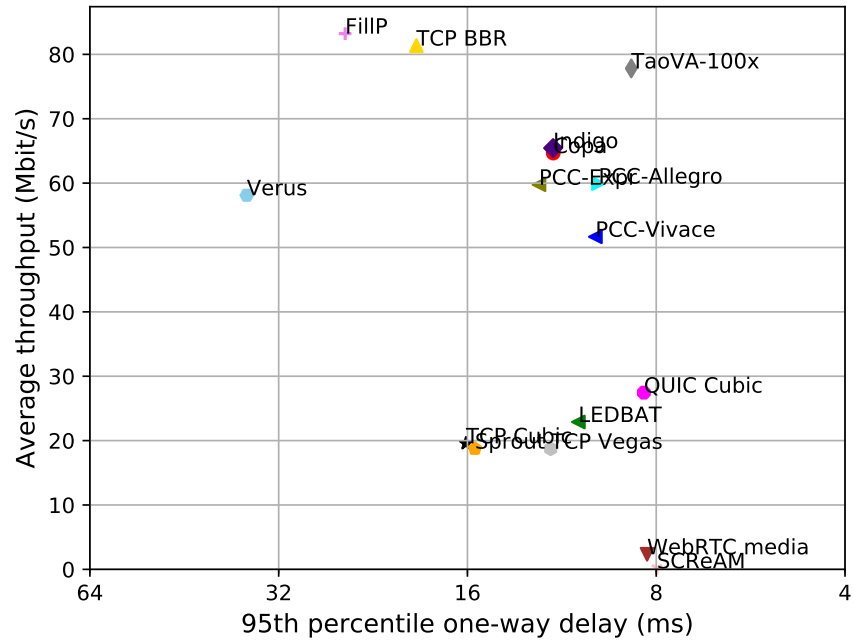
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

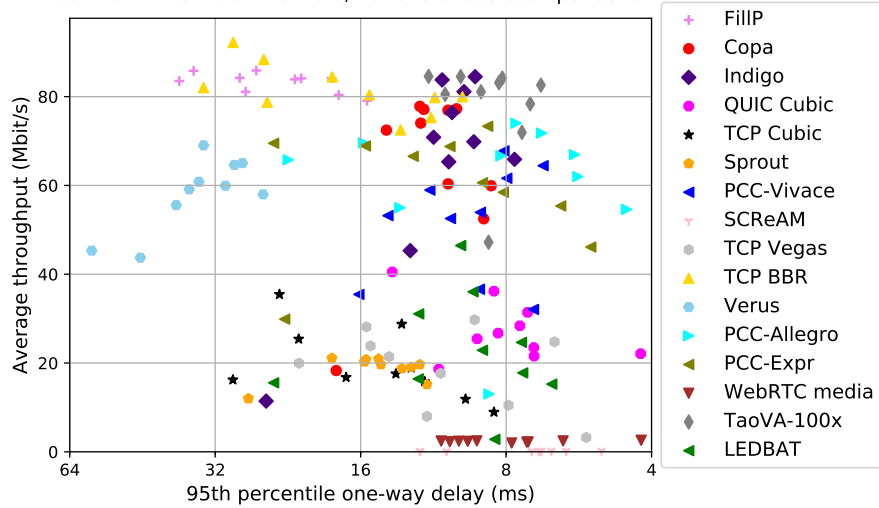
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 1 to India, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 1 to India, 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	81.37	19.30	10.30
Copa	10	64.67	11.68	8.50
TCP Cubic	10	19.58	16.09	0.36
FillP	10	83.22	25.07	13.37
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	65.44	11.68	8.07
LEDBAT	10	22.89	10.65	0.85
PCC-Allegro	10	59.93	9.89	6.85
PCC-Expr	10	59.75	12.31	7.92
QUIC Cubic	10	27.45	8.37	1.41
SCReAM	10	0.17	7.98	0.33
Sprout	10	18.75	15.57	1.37
TaoVA-100x	10	77.81	8.77	9.92
TCP Vegas	10	18.73	11.79	1.12
Verus	10	58.11	35.98	19.39
PCC-Vivace	10	51.66	10.00	5.34
WebRTC media	10	2.34	8.27	0.33

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 13:06:28

End at: 2018-06-29 13:06:58

Local clock offset: -0.217 ms

Remote clock offset: -7.043 ms

Below is generated by plot.py at 2018-06-29 16:04:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 29.381 ms

Loss rate: 5.72%

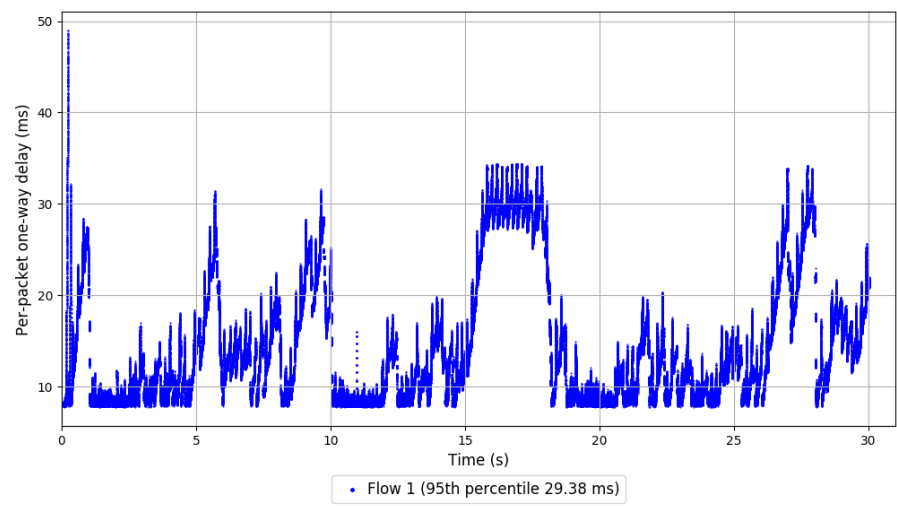
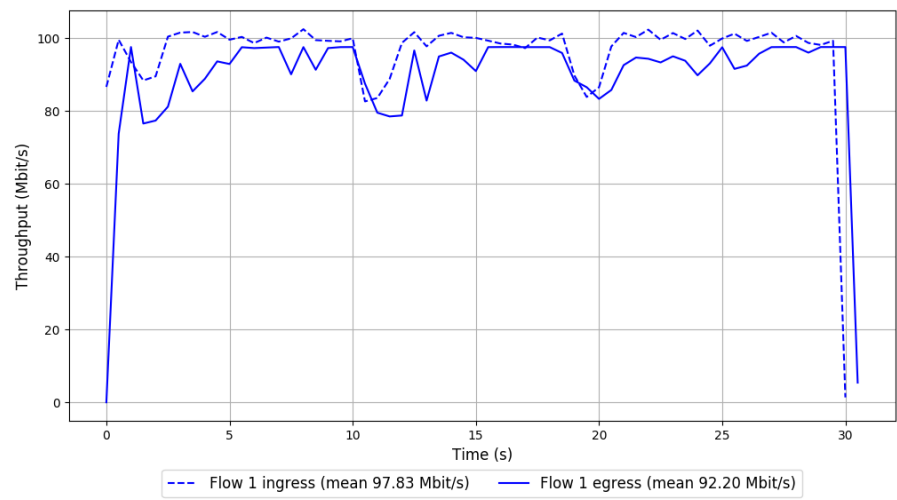
-- Flow 1:

Average throughput: 92.20 Mbit/s

95th percentile per-packet one-way delay: 29.381 ms

Loss rate: 5.72%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-29 13:25:50

End at: 2018-06-29 13:26:20

Local clock offset: 0.943 ms

Remote clock offset: -6.624 ms

Below is generated by plot.py at 2018-06-29 16:04:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 33.836 ms

Loss rate: 7.19%

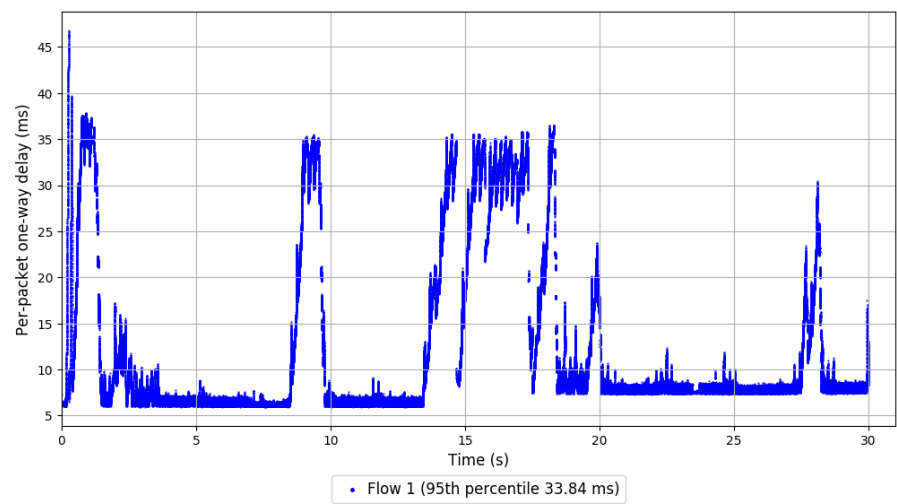
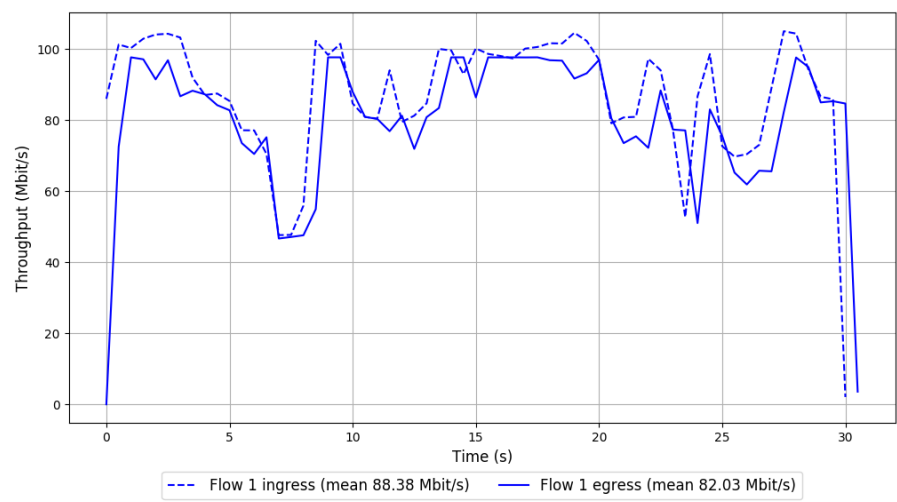
-- Flow 1:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 33.836 ms

Loss rate: 7.19%

Run 2: Report of TCP BBR — Data Link

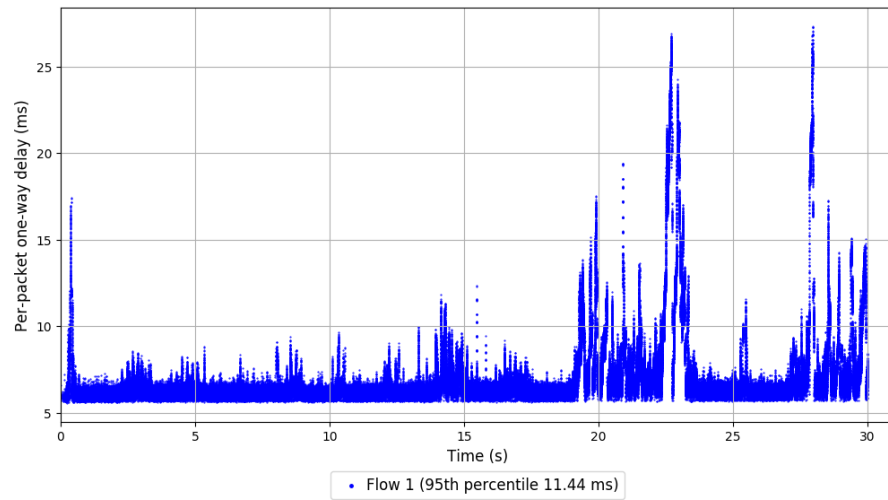
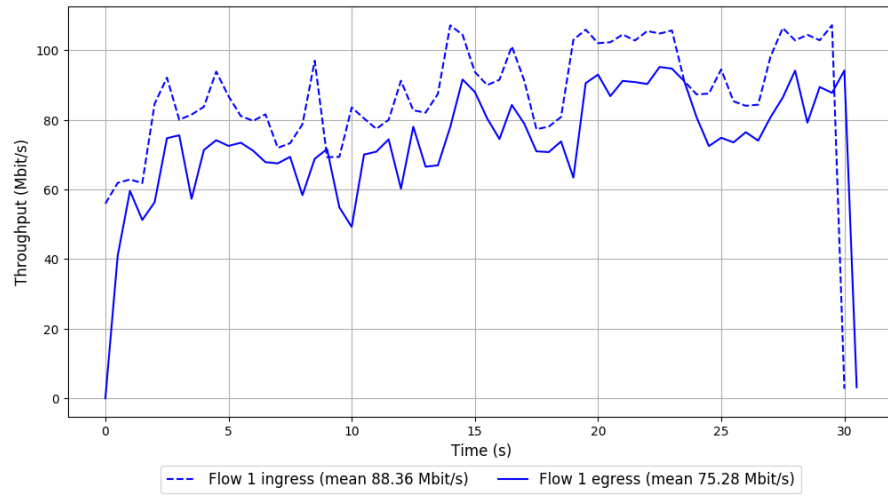


Run 3: Statistics of TCP BBR

Start at: 2018-06-29 13:45:03
End at: 2018-06-29 13:45:33
Local clock offset: 2.764 ms
Remote clock offset: -11.926 ms

Below is generated by plot.py at 2018-06-29 16:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 11.439 ms
Loss rate: 14.80%
-- Flow 1:
Average throughput: 75.28 Mbit/s
95th percentile per-packet one-way delay: 11.439 ms
Loss rate: 14.80%

Run 3: Report of TCP BBR — Data Link

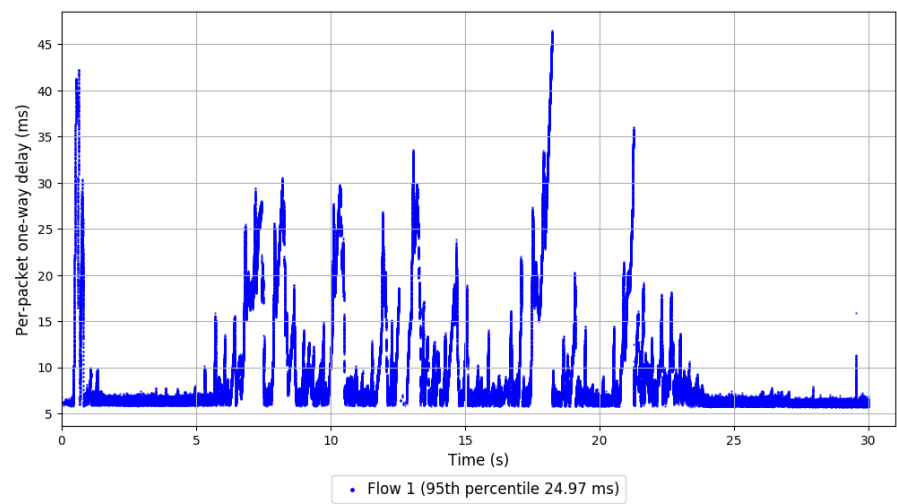
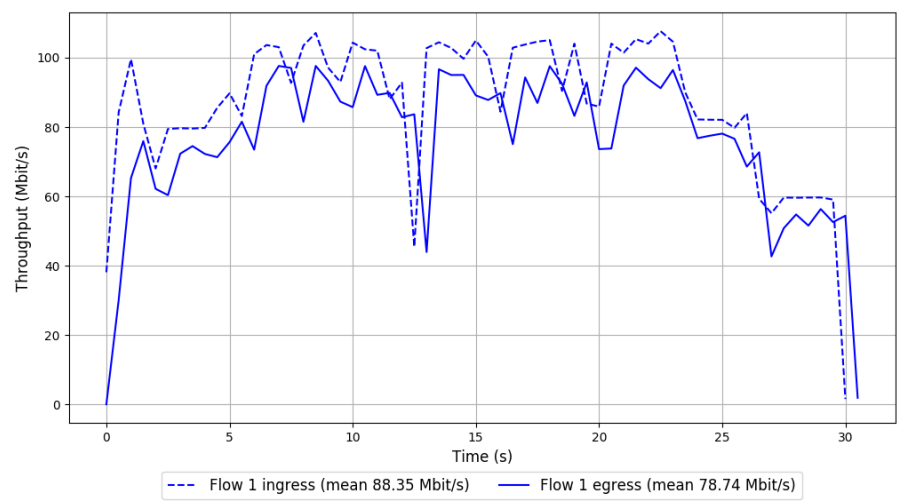


Run 4: Statistics of TCP BBR

Start at: 2018-06-29 14:04:12
End at: 2018-06-29 14:04:42
Local clock offset: 2.956 ms
Remote clock offset: -13.878 ms

Below is generated by plot.py at 2018-06-29 16:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 24.968 ms
Loss rate: 10.88%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 24.968 ms
Loss rate: 10.88%

Run 4: Report of TCP BBR — Data Link

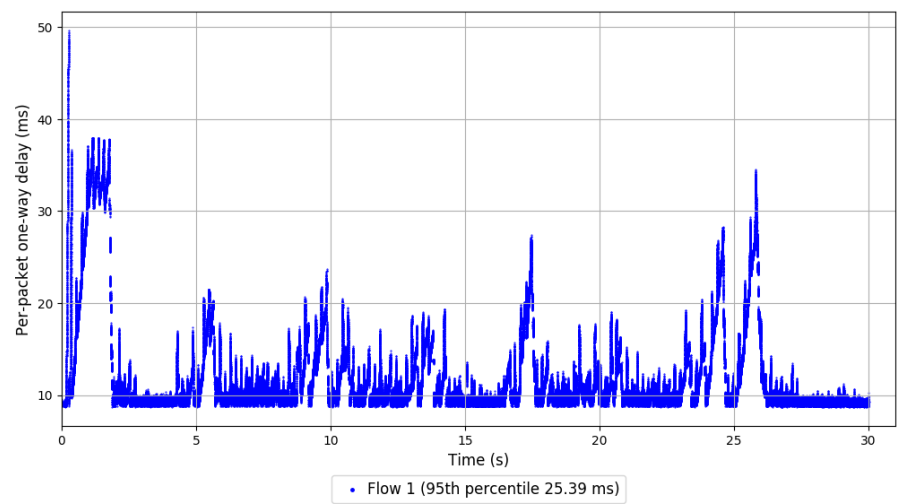
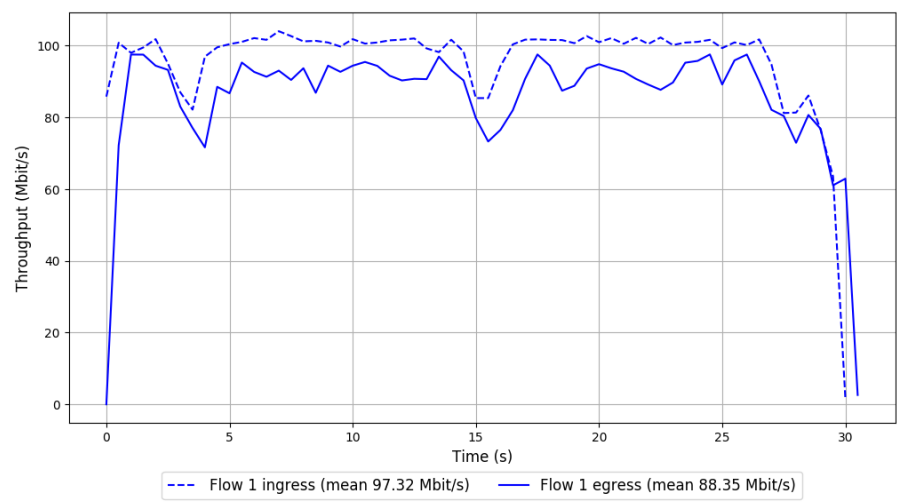


Run 5: Statistics of TCP BBR

Start at: 2018-06-29 14:23:38
End at: 2018-06-29 14:24:08
Local clock offset: 0.264 ms
Remote clock offset: -11.886 ms

Below is generated by plot.py at 2018-06-29 16:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 25.386 ms
Loss rate: 9.22%
-- Flow 1:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 25.386 ms
Loss rate: 9.22%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-29 14:42:54

End at: 2018-06-29 14:43:24

Local clock offset: 4.066 ms

Remote clock offset: -7.057 ms

Below is generated by plot.py at 2018-06-29 16:04:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 9.851 ms

Loss rate: 10.98%

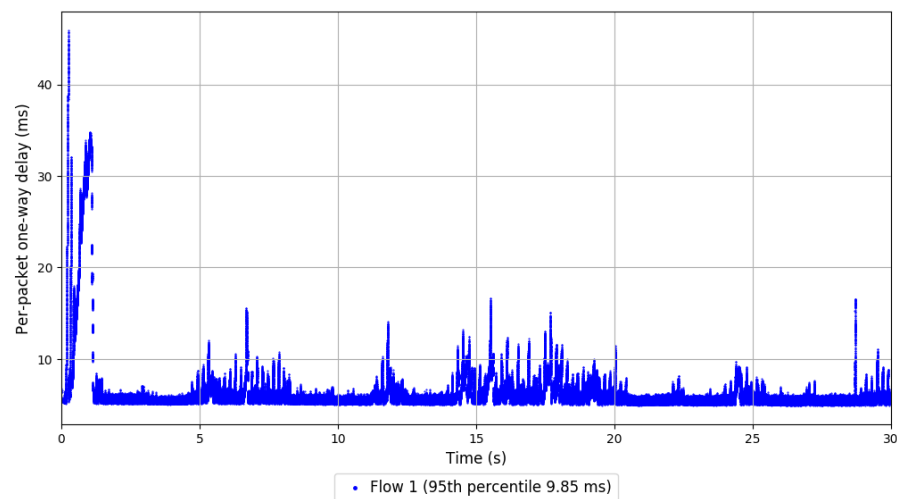
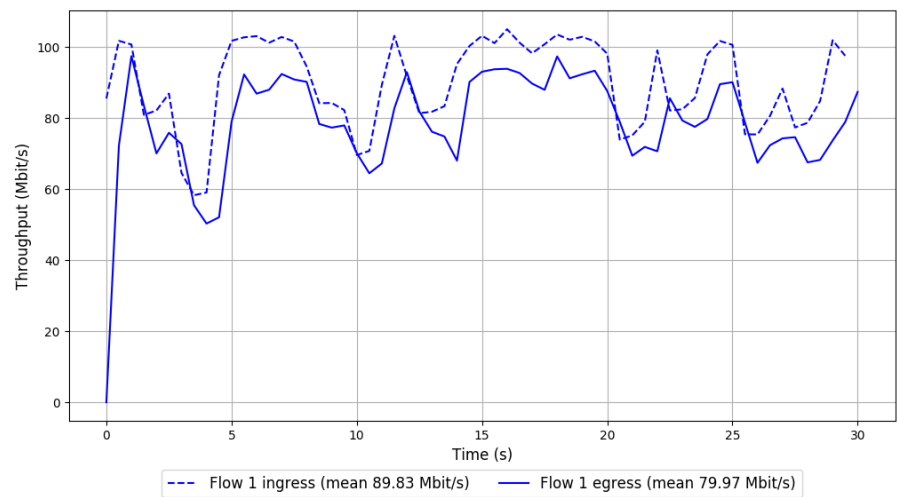
-- Flow 1:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 9.851 ms

Loss rate: 10.98%

Run 6: Report of TCP BBR — Data Link

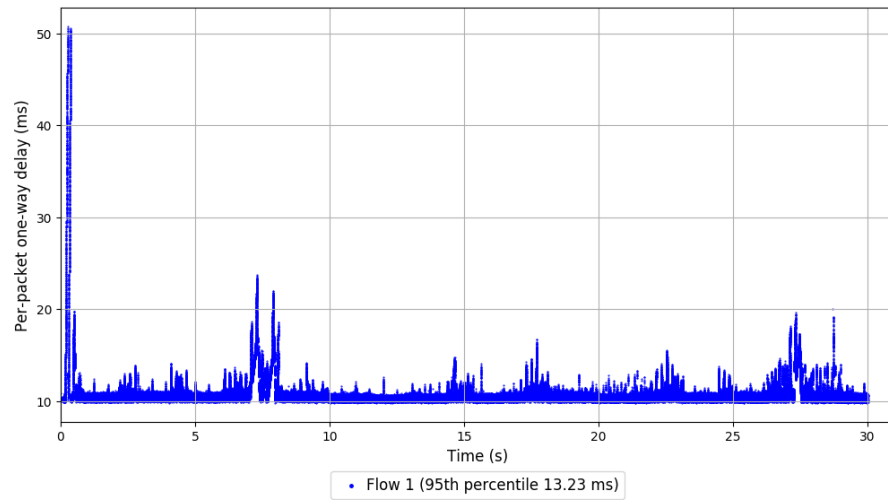
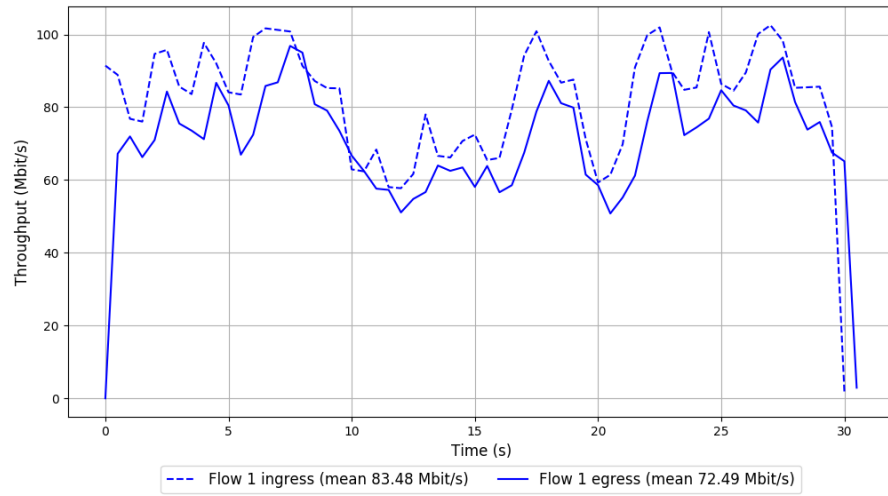


Run 7: Statistics of TCP BBR

Start at: 2018-06-29 15:02:22
End at: 2018-06-29 15:02:52
Local clock offset: -0.877 ms
Remote clock offset: -2.894 ms

Below is generated by plot.py at 2018-06-29 16:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 13.232 ms
Loss rate: 13.16%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 13.232 ms
Loss rate: 13.16%

Run 7: Report of TCP BBR — Data Link

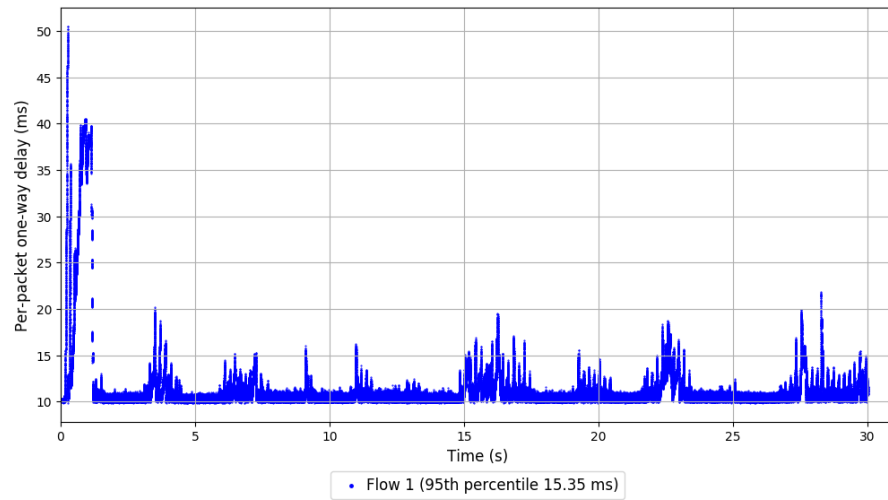
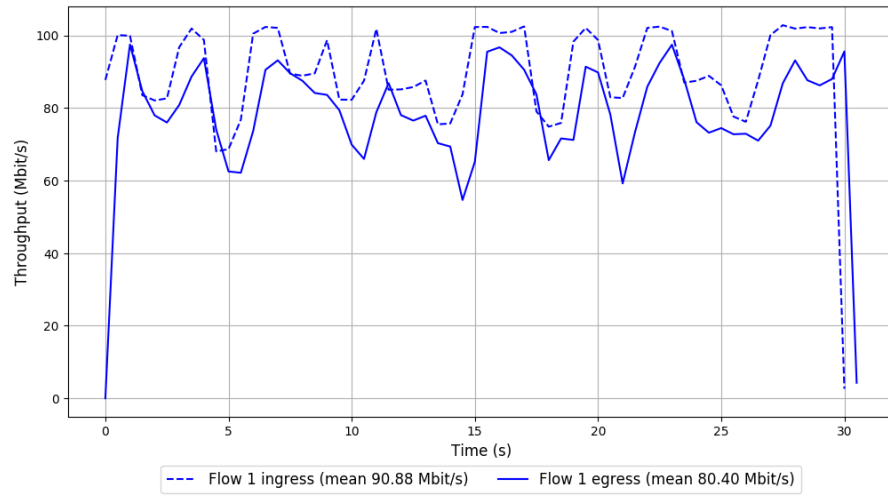


Run 8: Statistics of TCP BBR

Start at: 2018-06-29 15:21:55
End at: 2018-06-29 15:22:26
Local clock offset: -0.886 ms
Remote clock offset: -5.102 ms

Below is generated by plot.py at 2018-06-29 16:04:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 15.347 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 15.347 ms
Loss rate: 11.53%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-29 15:41:32

End at: 2018-06-29 15:42:02

Local clock offset: 2.09 ms

Remote clock offset: -5.614 ms

Below is generated by plot.py at 2018-06-29 16:05:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.78 Mbit/s

95th percentile per-packet one-way delay: 11.237 ms

Loss rate: 10.86%

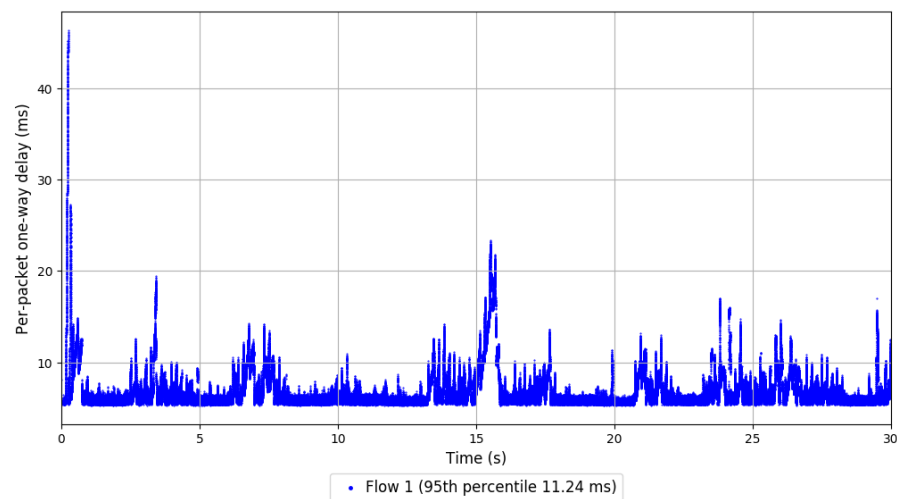
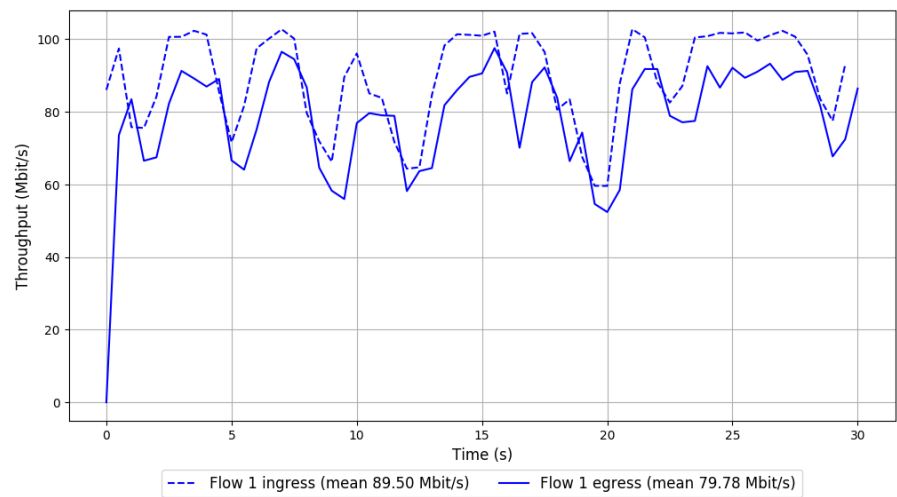
-- Flow 1:

Average throughput: 79.78 Mbit/s

95th percentile per-packet one-way delay: 11.237 ms

Loss rate: 10.86%

Run 9: Report of TCP BBR — Data Link

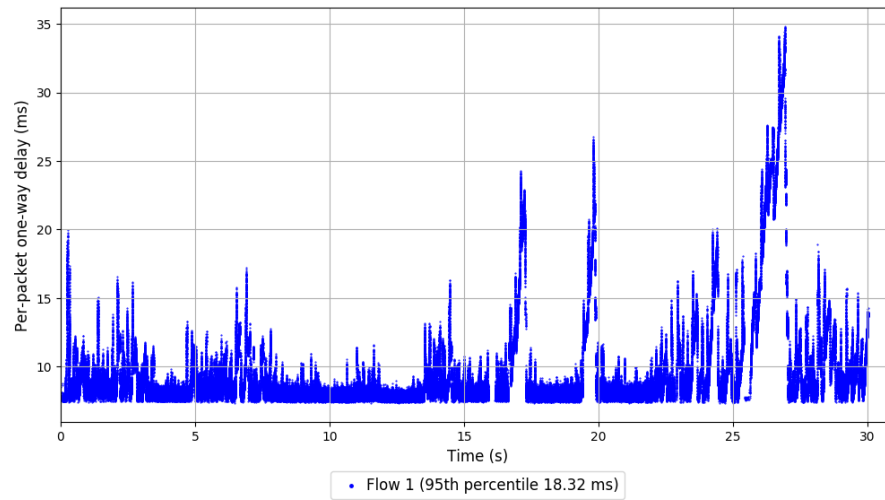
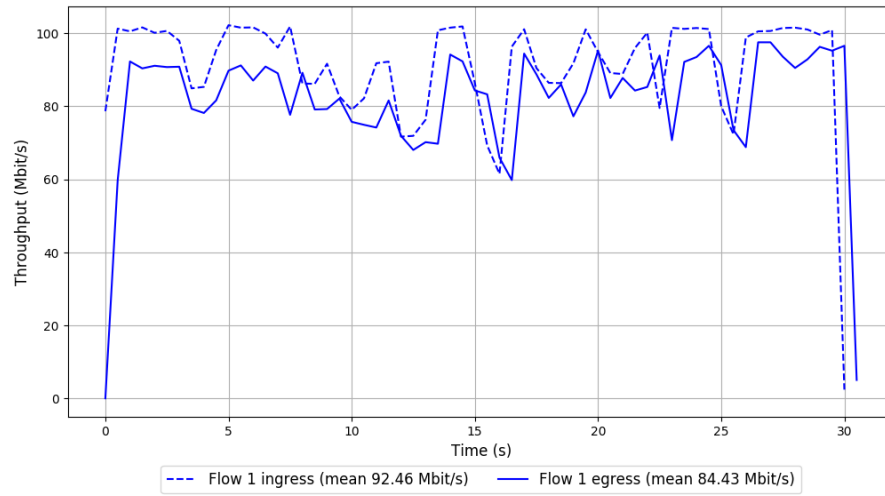


Run 10: Statistics of TCP BBR

Start at: 2018-06-29 16:00:51
End at: 2018-06-29 16:01:21
Local clock offset: 0.32 ms
Remote clock offset: -2.211 ms

Below is generated by plot.py at 2018-06-29 16:05:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 8.67%

Run 10: Report of TCP BBR — Data Link

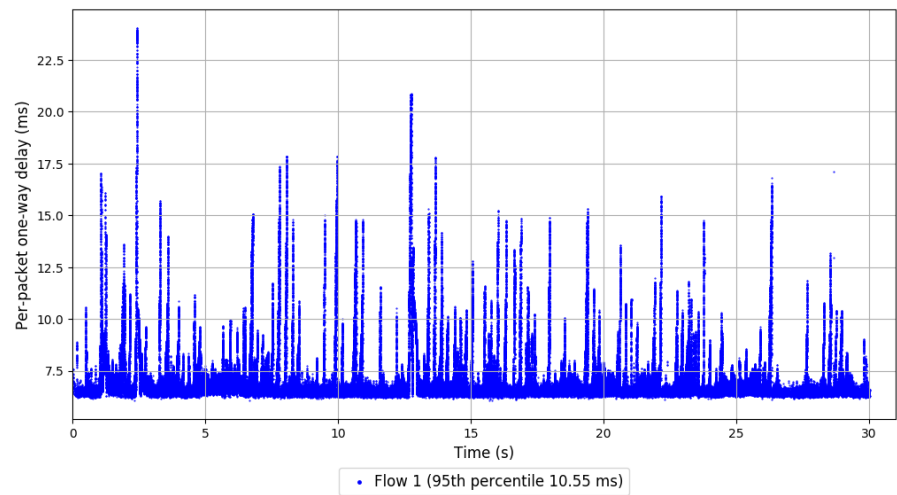
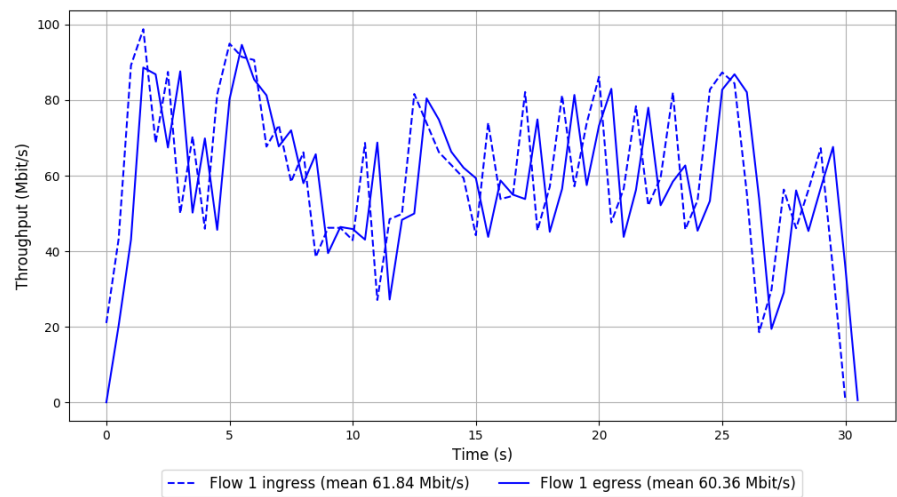


Run 1: Statistics of Copa

Start at: 2018-06-29 12:56:25
End at: 2018-06-29 12:56:56
Local clock offset: 0.855 ms
Remote clock offset: -8.025 ms

Below is generated by plot.py at 2018-06-29 16:05:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 10.548 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 10.548 ms
Loss rate: 2.41%

Run 1: Report of Copa — Data Link

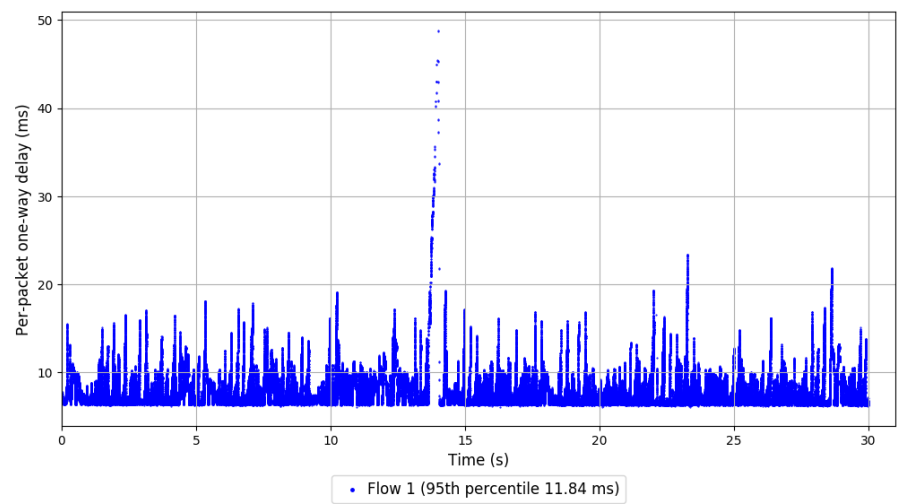
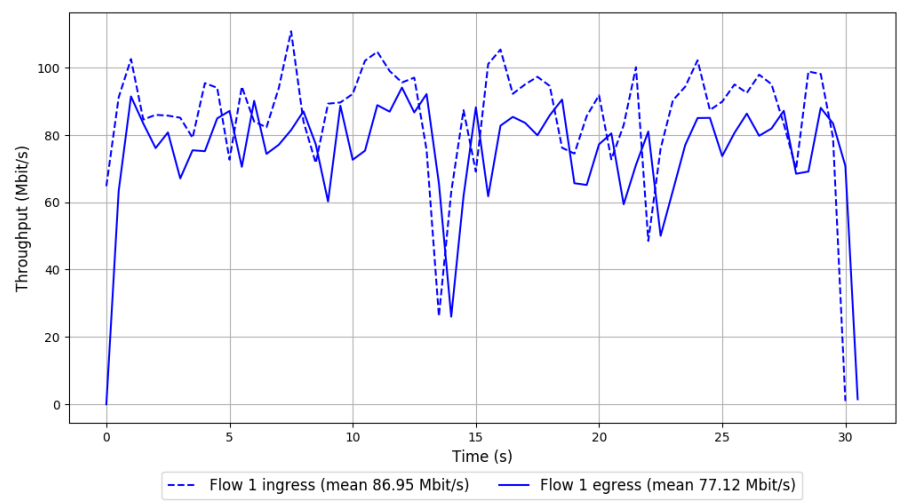


Run 2: Statistics of Copa

Start at: 2018-06-29 13:15:34
End at: 2018-06-29 13:16:04
Local clock offset: 1.764 ms
Remote clock offset: -6.163 ms

Below is generated by plot.py at 2018-06-29 16:06:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 11.840 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 11.840 ms
Loss rate: 11.30%

Run 2: Report of Copa — Data Link

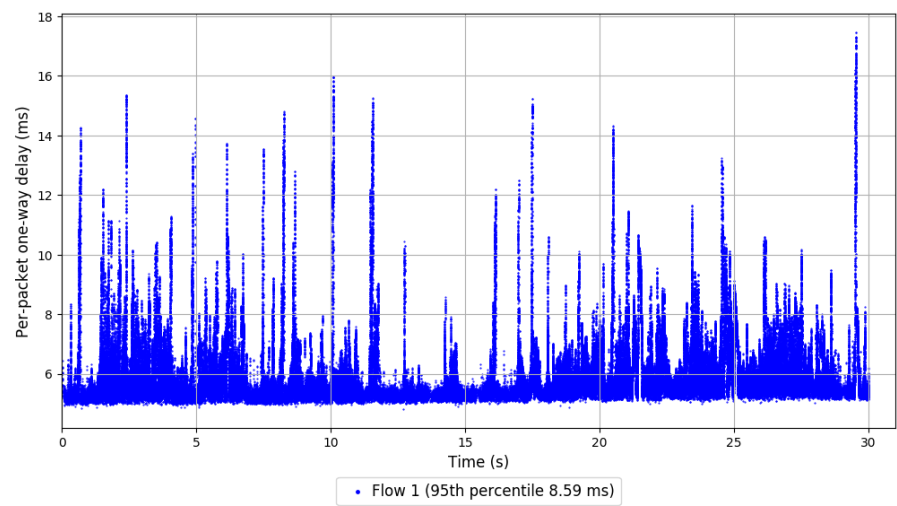
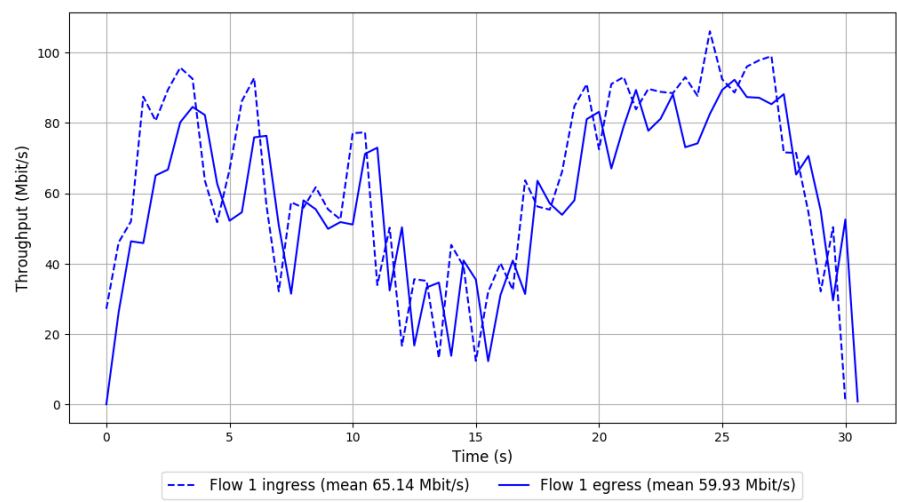


Run 3: Statistics of Copa

Start at: 2018-06-29 13:34:57
End at: 2018-06-29 13:35:27
Local clock offset: -1.258 ms
Remote clock offset: -13.377 ms

Below is generated by plot.py at 2018-06-29 16:06:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 8.591 ms
Loss rate: 8.01%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 8.591 ms
Loss rate: 8.01%

Run 3: Report of Copa — Data Link

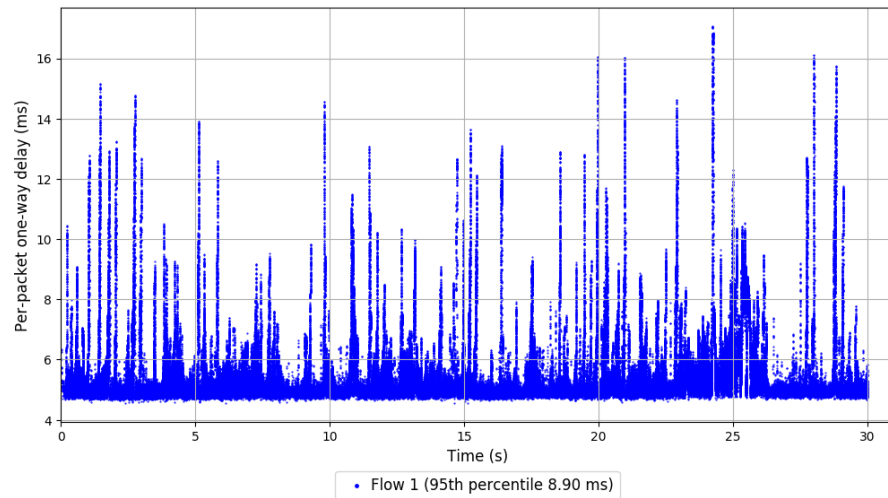
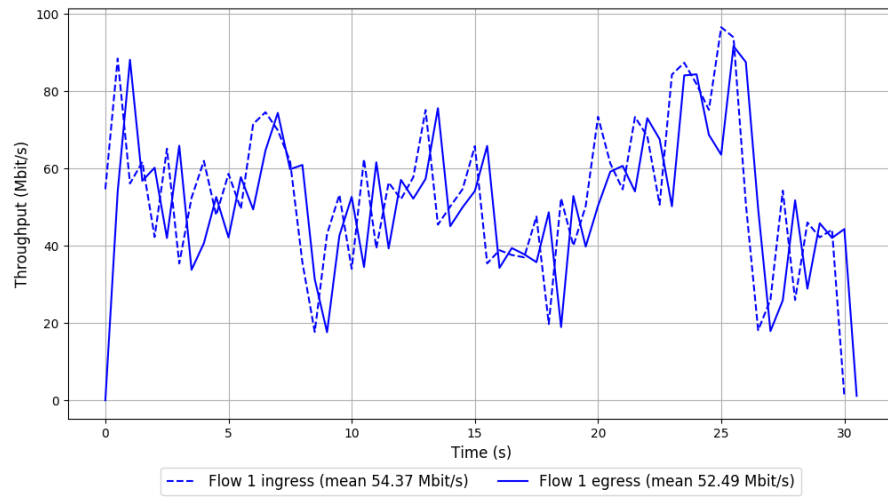


Run 4: Statistics of Copa

Start at: 2018-06-29 13:54:10
End at: 2018-06-29 13:54:40
Local clock offset: 2.861 ms
Remote clock offset: -14.204 ms

Below is generated by plot.py at 2018-06-29 16:06:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 8.901 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 8.901 ms
Loss rate: 3.46%

Run 4: Report of Copa — Data Link

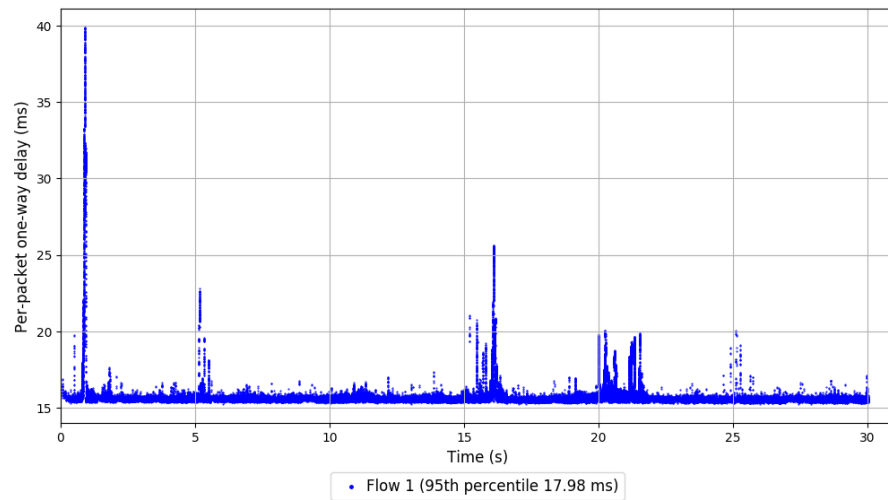
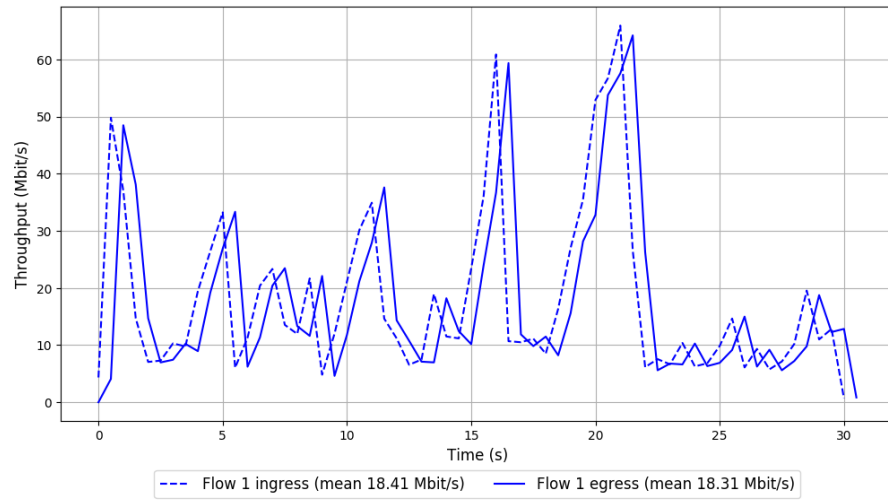


Run 5: Statistics of Copa

Start at: 2018-06-29 14:13:24
End at: 2018-06-29 14:13:54
Local clock offset: 1.059 ms
Remote clock offset: -2.796 ms

Below is generated by plot.py at 2018-06-29 16:06:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 17.978 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 17.978 ms
Loss rate: 0.54%

Run 5: Report of Copa — Data Link

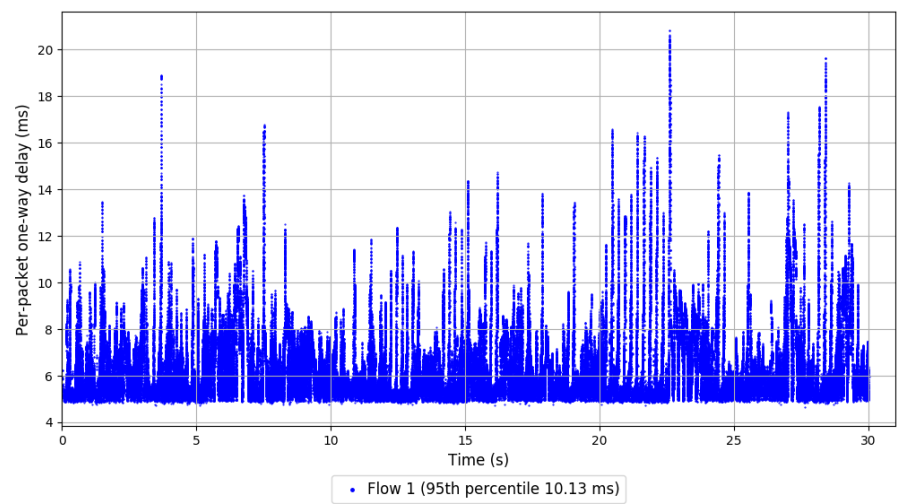
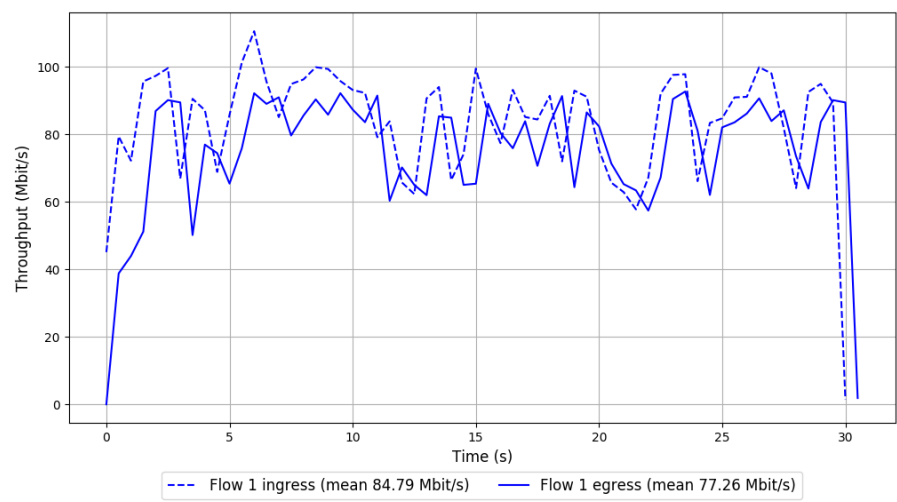


Run 6: Statistics of Copa

Start at: 2018-06-29 14:32:46
End at: 2018-06-29 14:33:16
Local clock offset: 3.756 ms
Remote clock offset: -10.805 ms

Below is generated by plot.py at 2018-06-29 16:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 10.127 ms
Loss rate: 8.88%
-- Flow 1:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 10.127 ms
Loss rate: 8.88%

Run 6: Report of Copa — Data Link

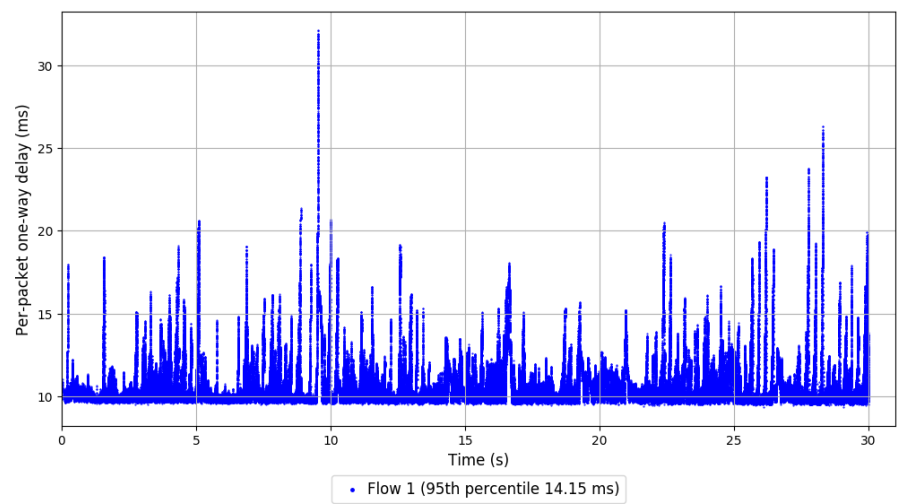
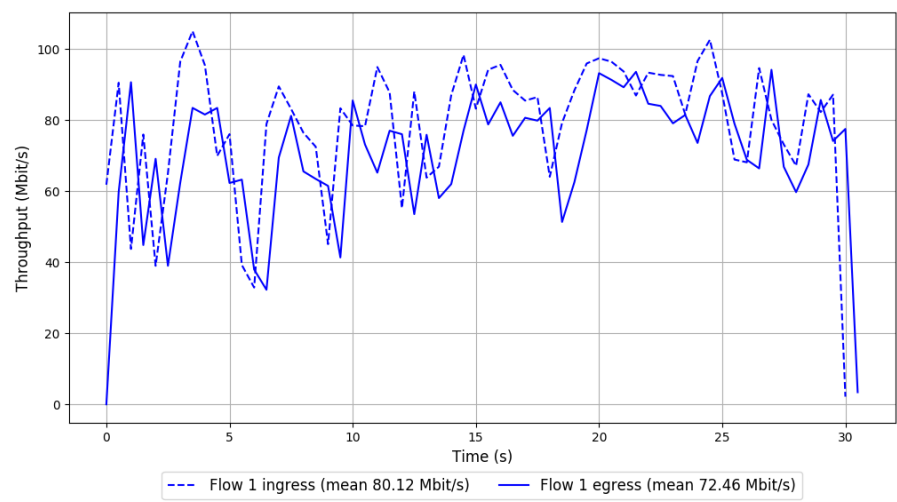


Run 7: Statistics of Copa

Start at: 2018-06-29 14:52:01
End at: 2018-06-29 14:52:31
Local clock offset: 0.217 ms
Remote clock offset: -3.761 ms

Below is generated by plot.py at 2018-06-29 16:06:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 14.154 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 14.154 ms
Loss rate: 9.56%

Run 7: Report of Copa — Data Link

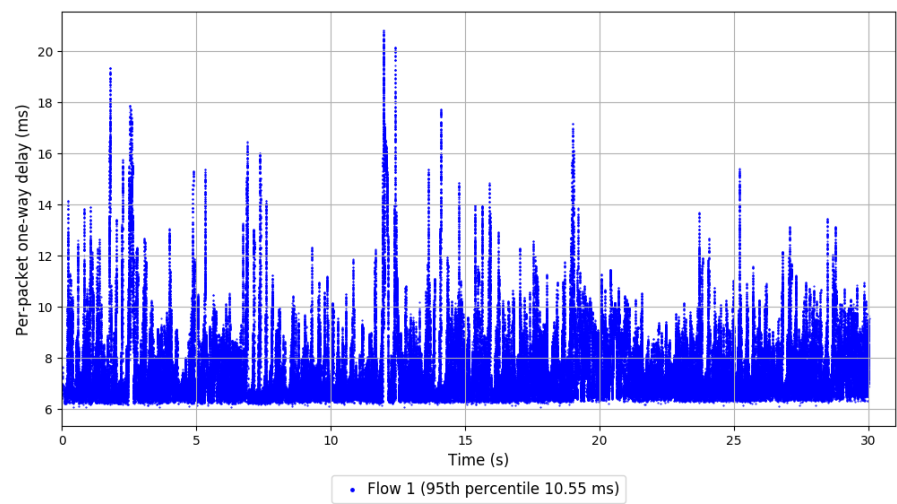
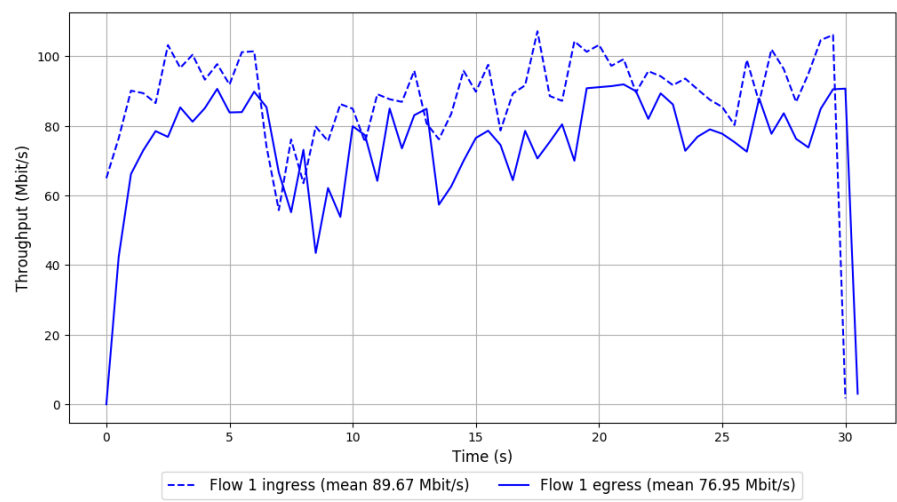


Run 8: Statistics of Copa

Start at: 2018-06-29 15:11:35
End at: 2018-06-29 15:12:05
Local clock offset: 2.263 ms
Remote clock offset: -3.721 ms

Below is generated by plot.py at 2018-06-29 16:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 14.19%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 14.19%

Run 8: Report of Copa — Data Link

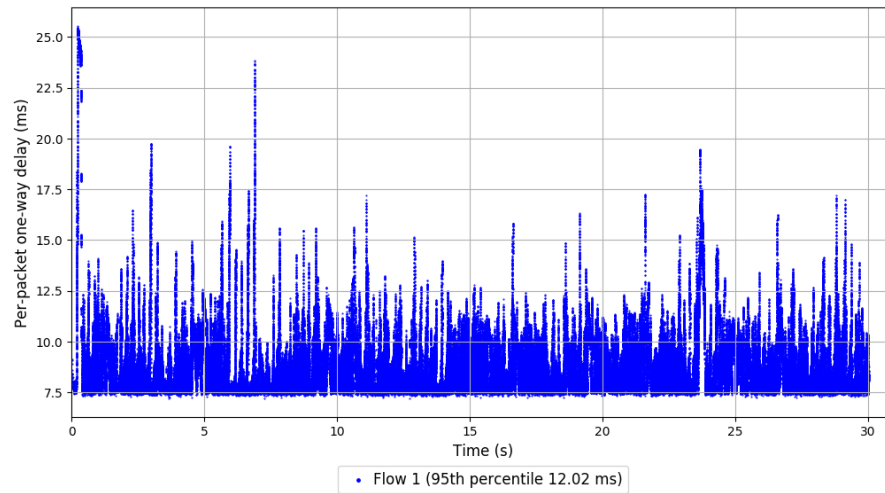
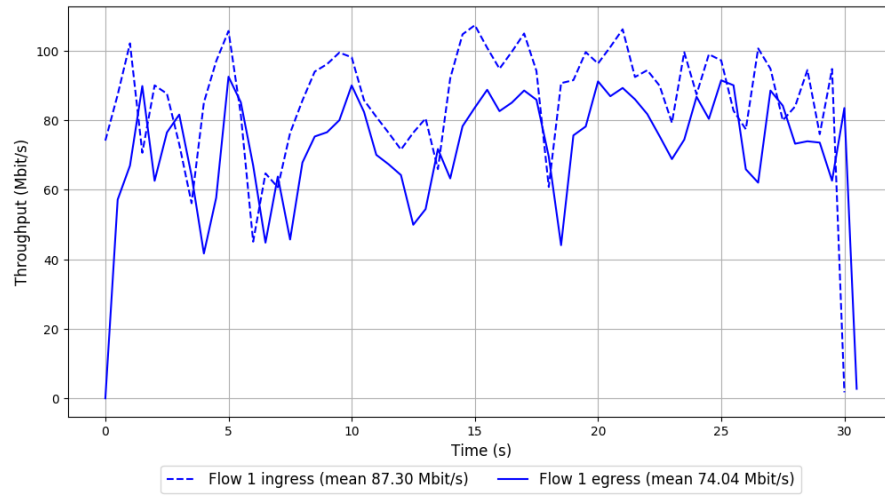


Run 9: Statistics of Copa

Start at: 2018-06-29 15:31:14
End at: 2018-06-29 15:31:44
Local clock offset: 1.513 ms
Remote clock offset: -4.107 ms

Below is generated by plot.py at 2018-06-29 16:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 12.017 ms
Loss rate: 15.19%
-- Flow 1:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 12.017 ms
Loss rate: 15.19%

Run 9: Report of Copa — Data Link

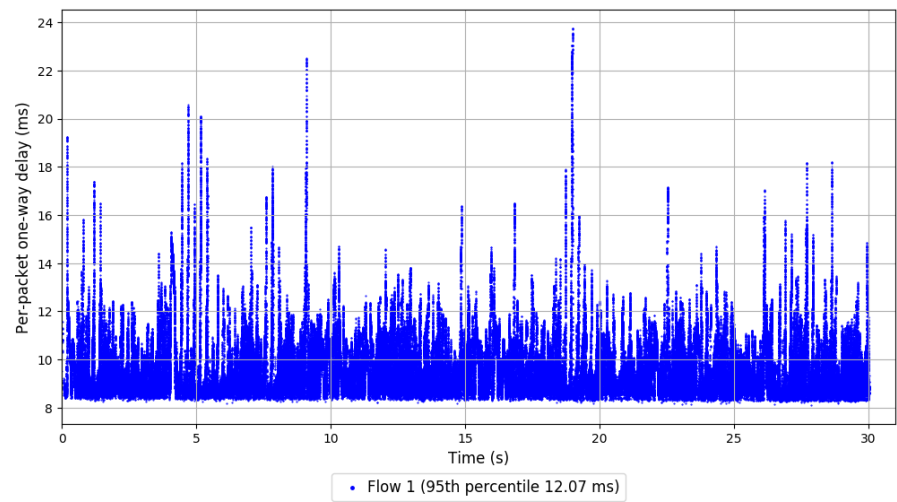
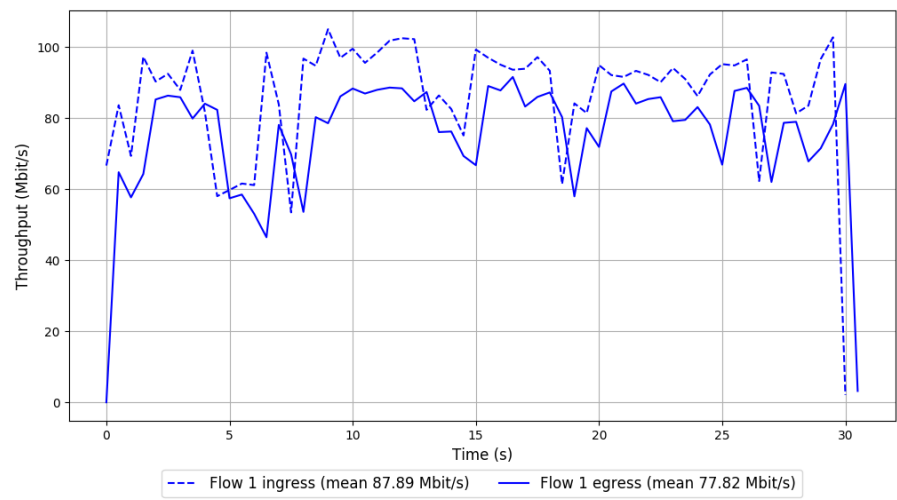


Run 10: Statistics of Copa

Start at: 2018-06-29 15:50:41
End at: 2018-06-29 15:51:11
Local clock offset: -0.828 ms
Remote clock offset: -3.802 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 11.46%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 11.46%

Run 10: Report of Copa — Data Link

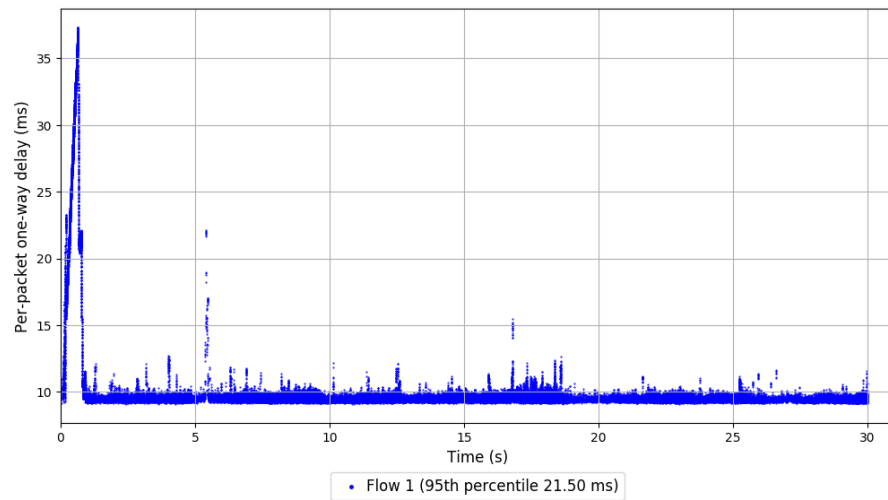
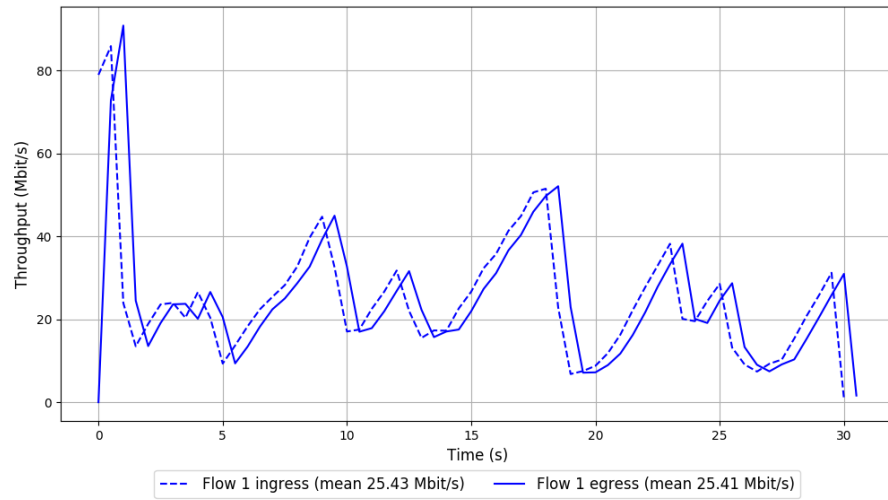


Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 13:03:07
End at: 2018-06-29 13:03:37
Local clock offset: -0.173 ms
Remote clock offset: -5.663 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link

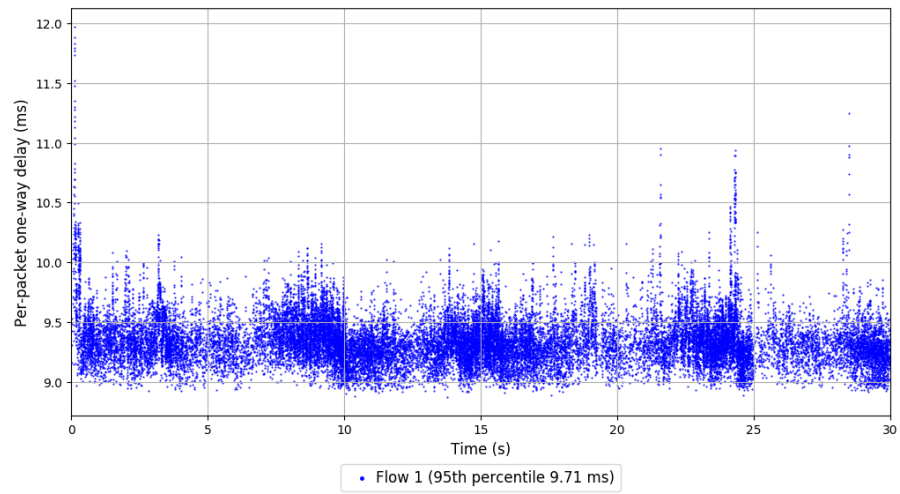
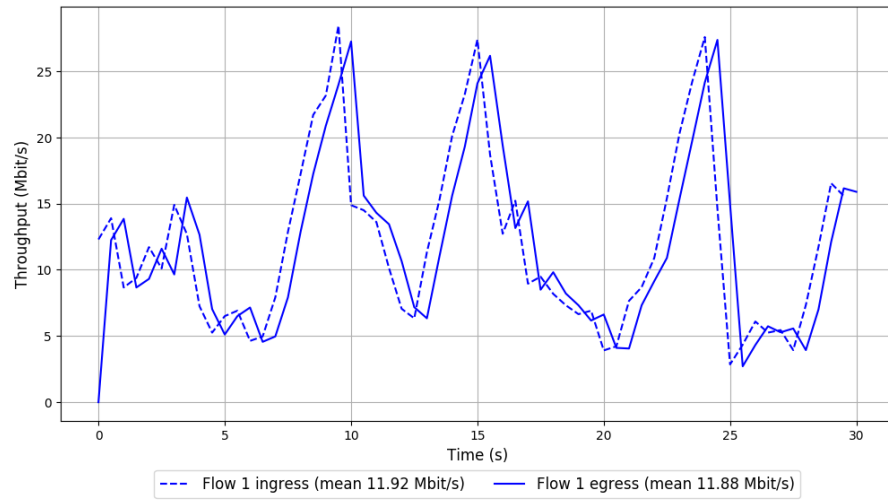


Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 13:22:25
End at: 2018-06-29 13:22:55
Local clock offset: 1.021 ms
Remote clock offset: -3.842 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.34%

Run 2: Report of TCP Cubic — Data Link

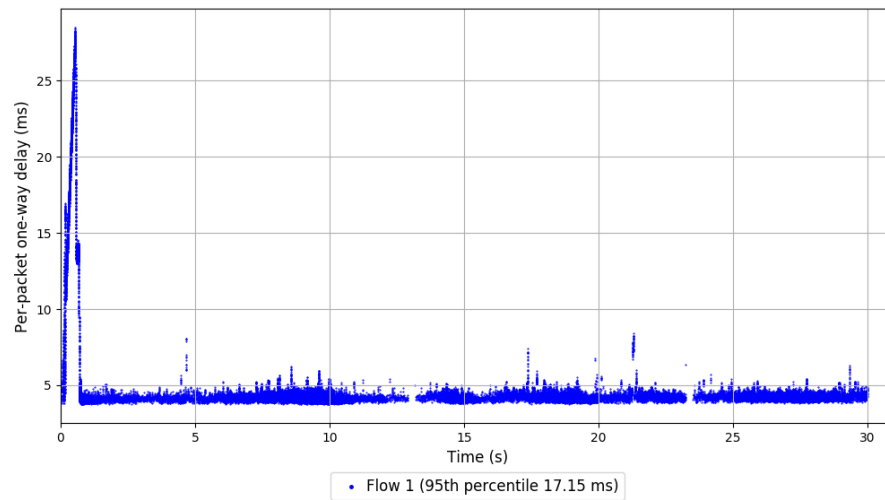
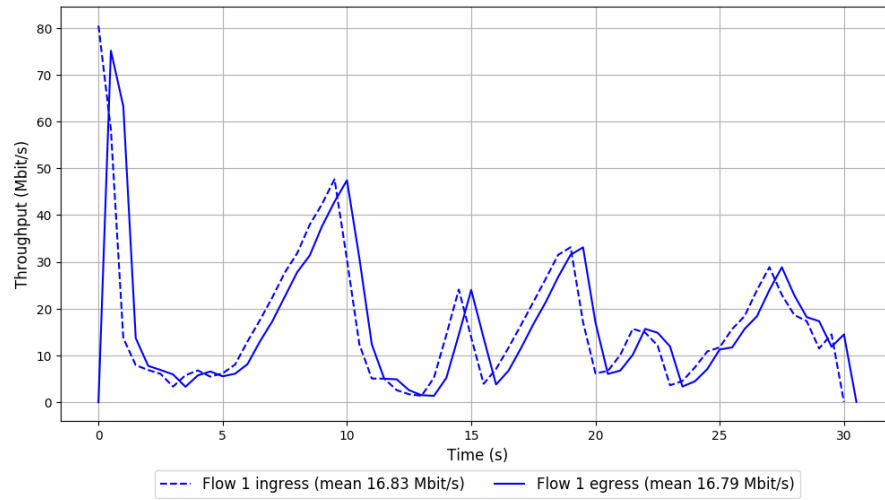


Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 13:41:42
End at: 2018-06-29 13:42:12
Local clock offset: 2.377 ms
Remote clock offset: -12.68 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 17.149 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 17.149 ms
Loss rate: 0.25%

Run 3: Report of TCP Cubic — Data Link

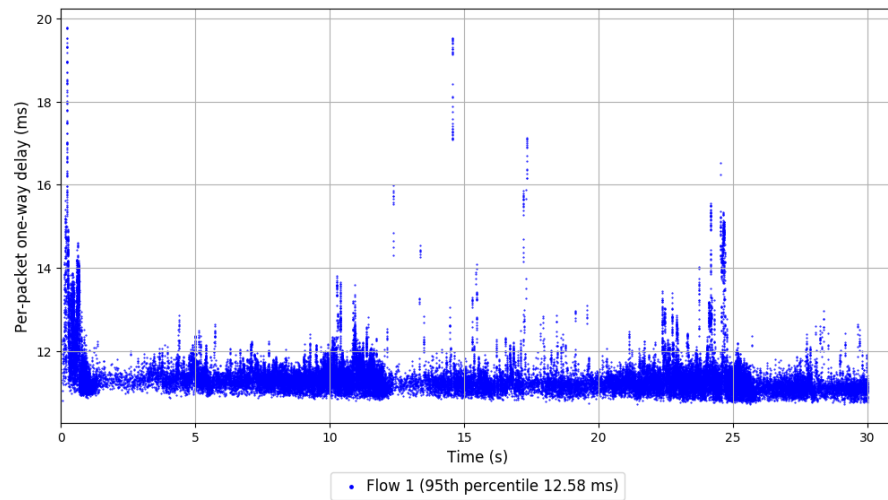
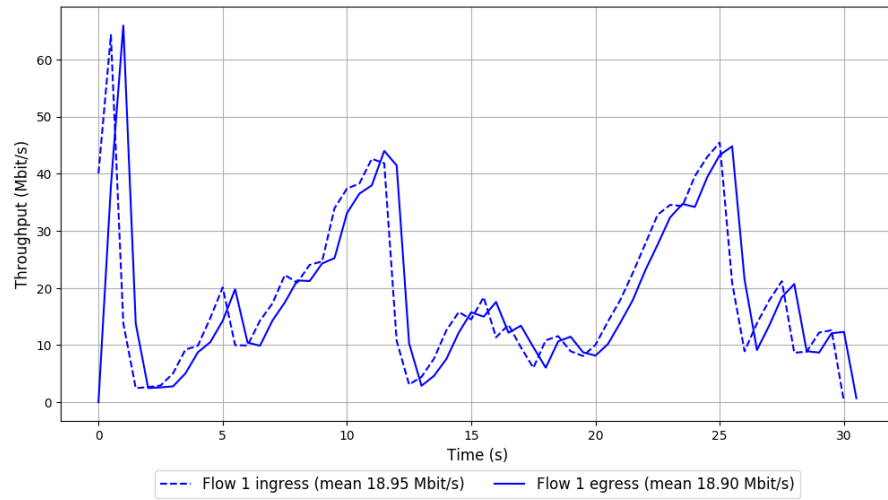


Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 14:00:53
End at: 2018-06-29 14:01:23
Local clock offset: 3.017 ms
Remote clock offset: -8.332 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 12.576 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 12.576 ms
Loss rate: 0.25%

Run 4: Report of TCP Cubic — Data Link

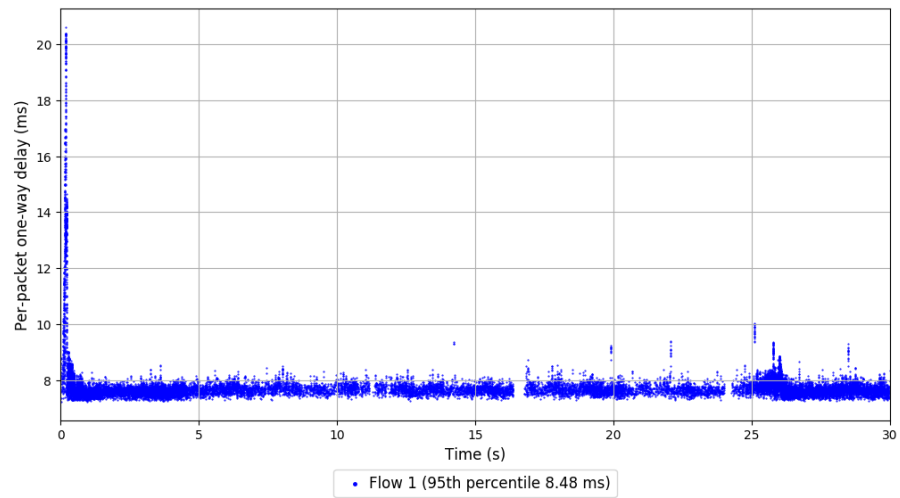
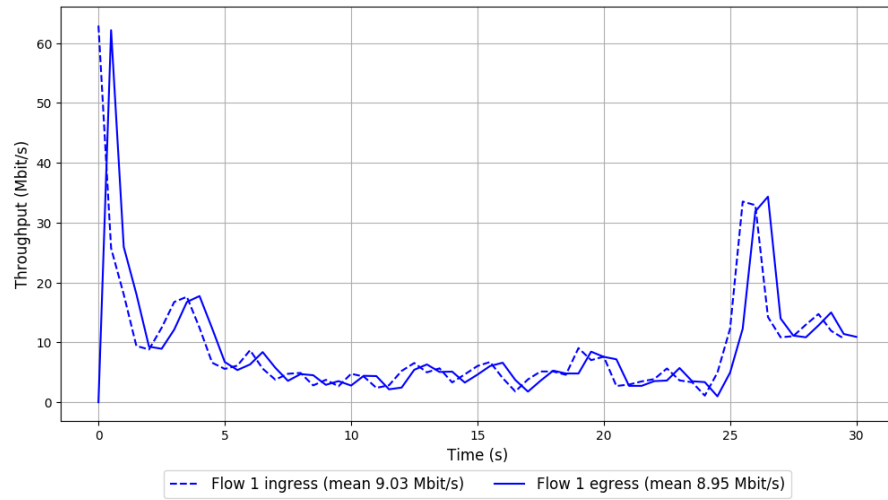


Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 14:20:15
End at: 2018-06-29 14:20:45
Local clock offset: 2.662 ms
Remote clock offset: -10.941 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 8.477 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 8.477 ms
Loss rate: 0.93%

Run 5: Report of TCP Cubic — Data Link

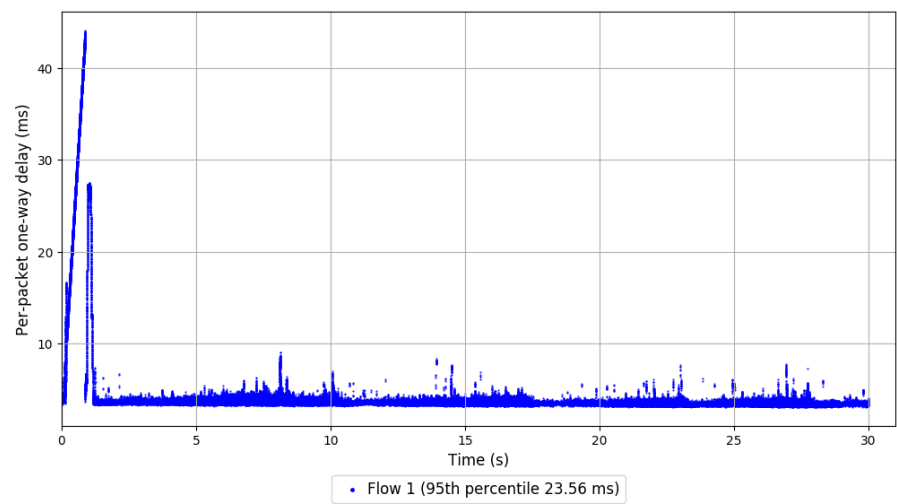
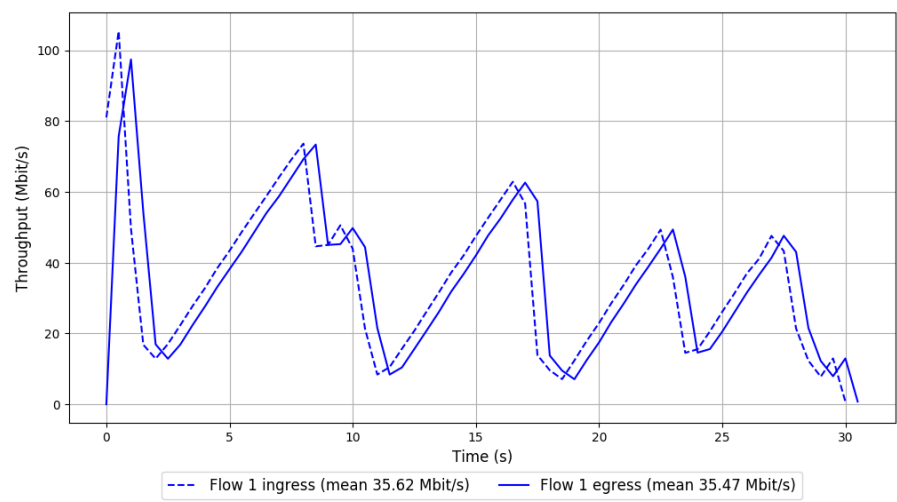


Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 14:39:31
End at: 2018-06-29 14:40:01
Local clock offset: 3.802 ms
Remote clock offset: -9.036 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 23.560 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 23.560 ms
Loss rate: 0.43%

Run 6: Report of TCP Cubic — Data Link

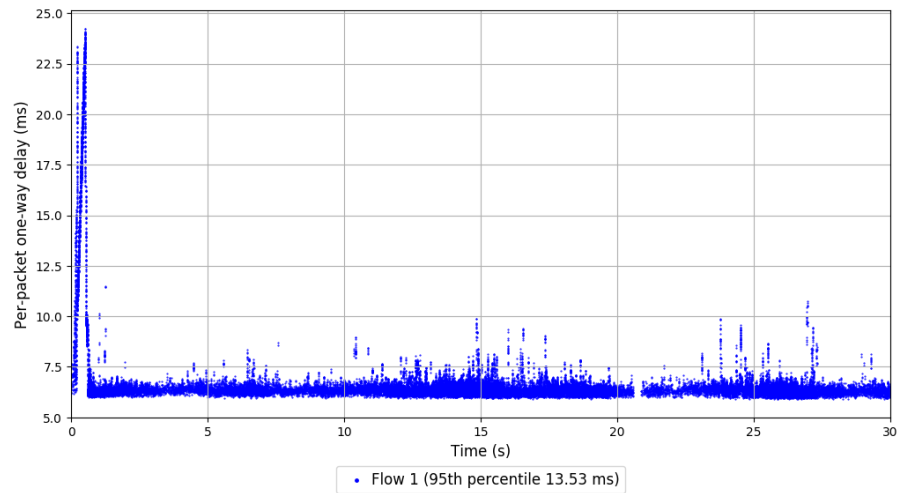
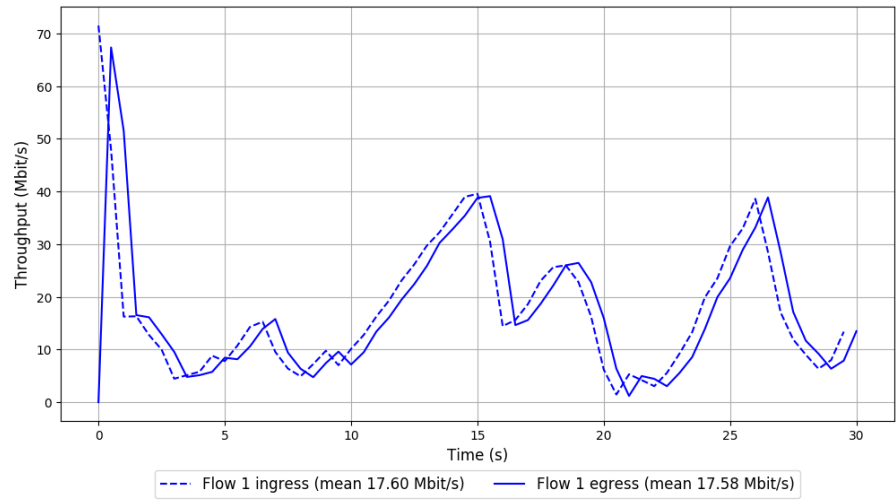


Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 14:58:46
End at: 2018-06-29 14:59:16
Local clock offset: 1.495 ms
Remote clock offset: -3.281 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 13.527 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 17.58 Mbit/s
95th percentile per-packet one-way delay: 13.527 ms
Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-29 15:18:33

End at: 2018-06-29 15:19:03

Local clock offset: -2.187 ms

Remote clock offset: -4.02 ms

Below is generated by plot.py at 2018-06-29 16:07:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 11.795 ms

Loss rate: 0.53%

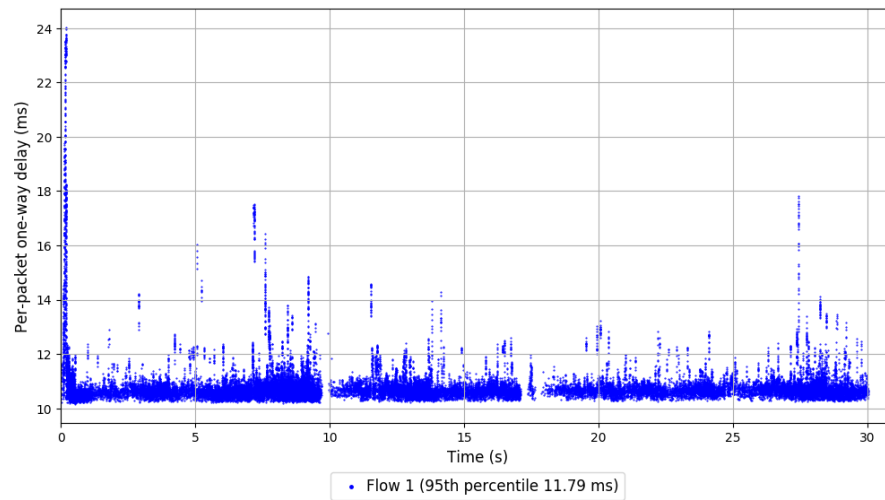
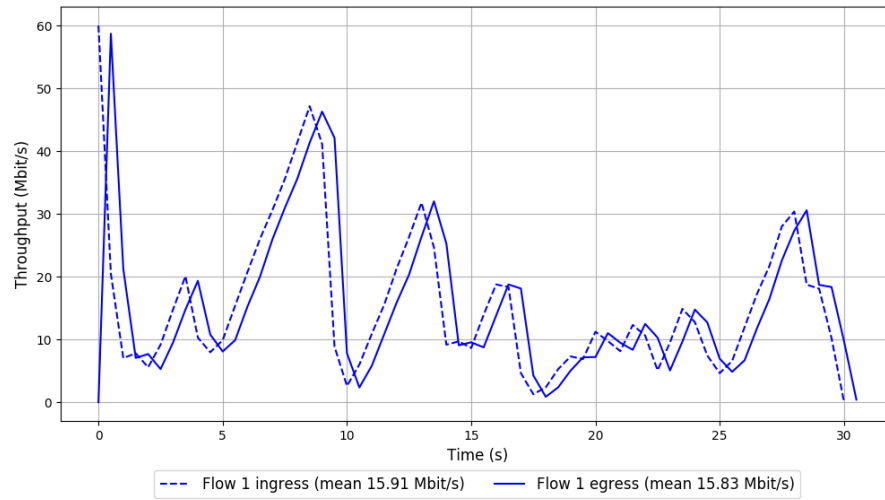
-- Flow 1:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 11.795 ms

Loss rate: 0.53%

Run 8: Report of TCP Cubic — Data Link

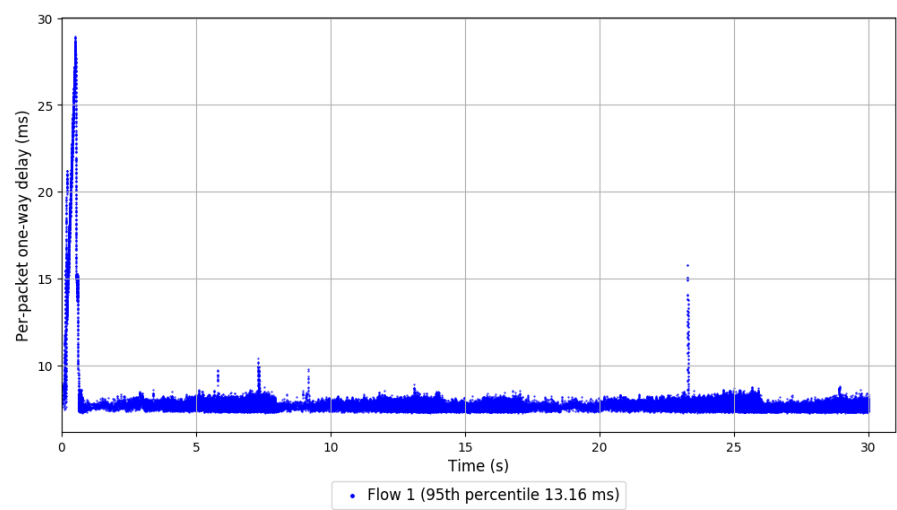
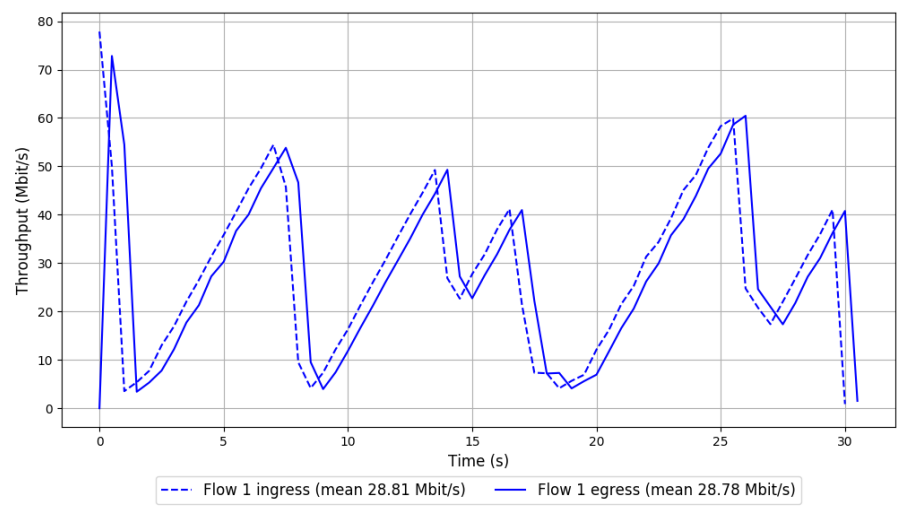


Run 9: Statistics of TCP Cubic

Start at: 2018-06-29 15:38:07
End at: 2018-06-29 15:38:37
Local clock offset: 1.832 ms
Remote clock offset: -5.534 ms

Below is generated by plot.py at 2018-06-29 16:07:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 13.159 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 13.159 ms
Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-29 15:57:27

End at: 2018-06-29 15:57:57

Local clock offset: -0.59 ms

Remote clock offset: -3.027 ms

Below is generated by plot.py at 2018-06-29 16:07:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 29.414 ms

Loss rate: 0.55%

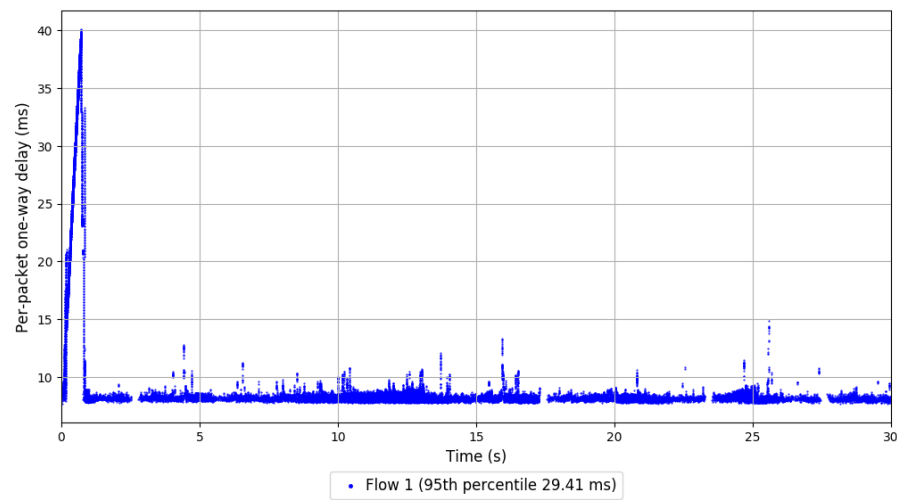
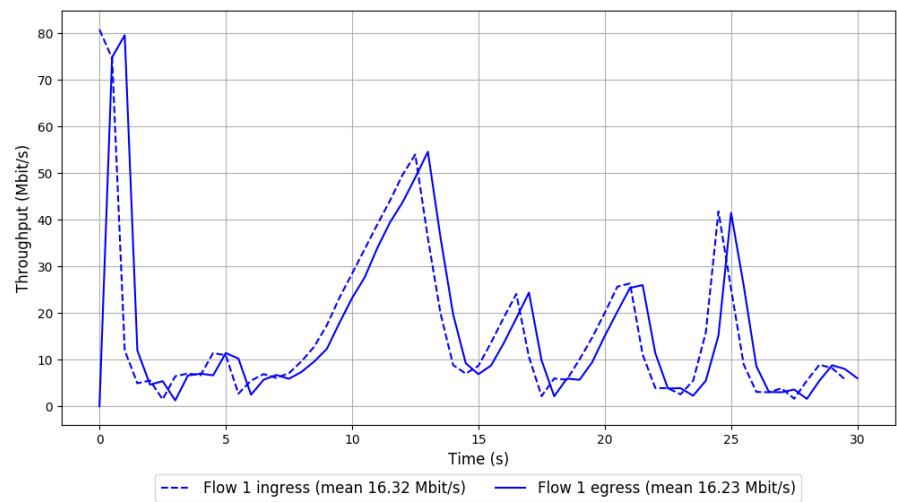
-- Flow 1:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 29.414 ms

Loss rate: 0.55%

Run 10: Report of TCP Cubic — Data Link

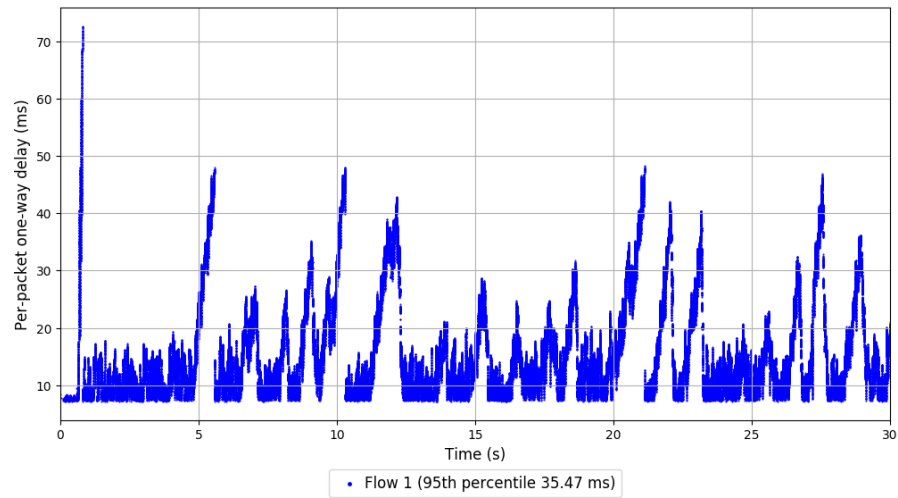
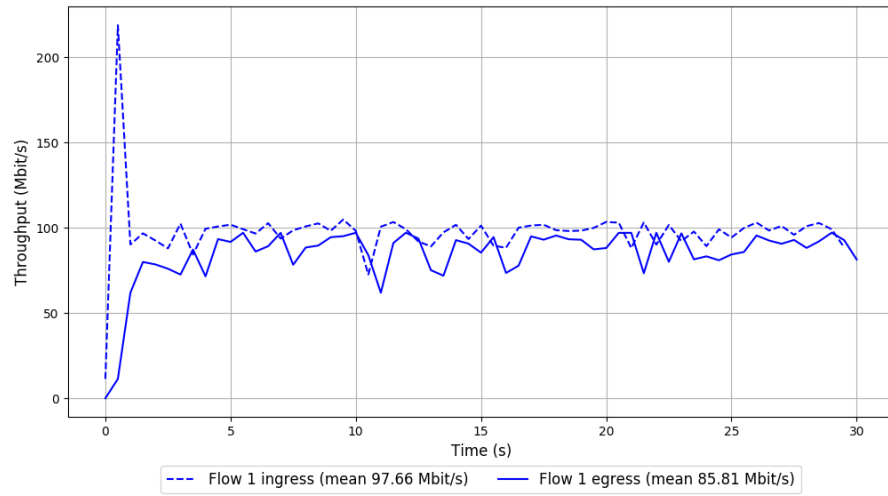


Run 1: Statistics of FillP

Start at: 2018-06-29 13:00:53
End at: 2018-06-29 13:01:23
Local clock offset: -0.611 ms
Remote clock offset: -8.152 ms

Below is generated by plot.py at 2018-06-29 16:08:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 35.469 ms
Loss rate: 12.09%
-- Flow 1:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 35.469 ms
Loss rate: 12.09%

Run 1: Report of FillP — Data Link

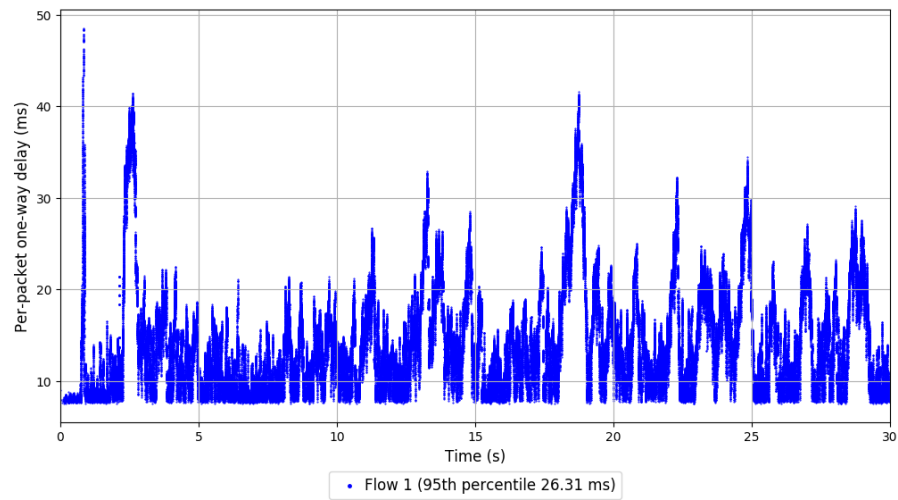
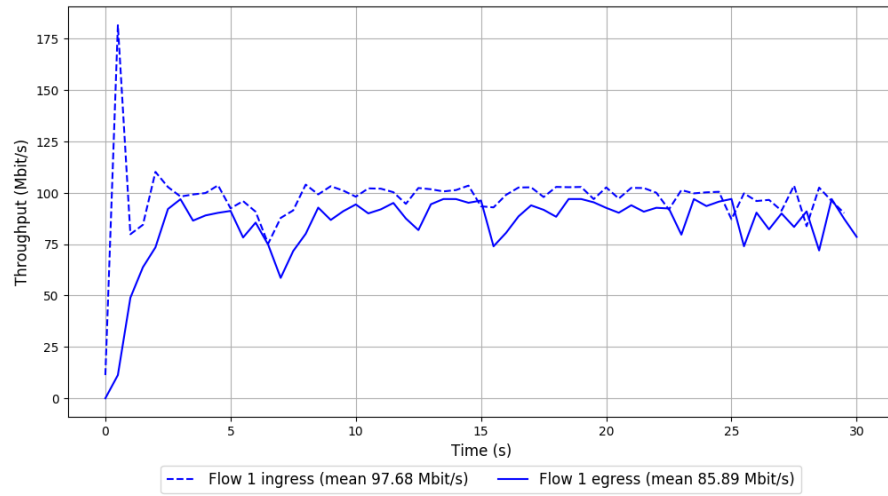


Run 2: Statistics of FillP

Start at: 2018-06-29 13:20:09
End at: 2018-06-29 13:20:39
Local clock offset: 0.193 ms
Remote clock offset: -6.015 ms

Below is generated by plot.py at 2018-06-29 16:08:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 26.306 ms
Loss rate: 12.07%
-- Flow 1:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 26.306 ms
Loss rate: 12.07%

Run 2: Report of FillP — Data Link

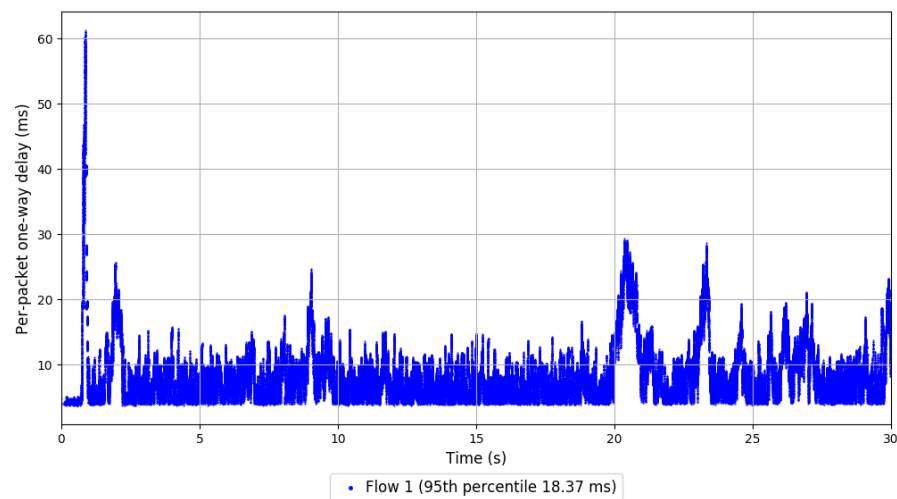
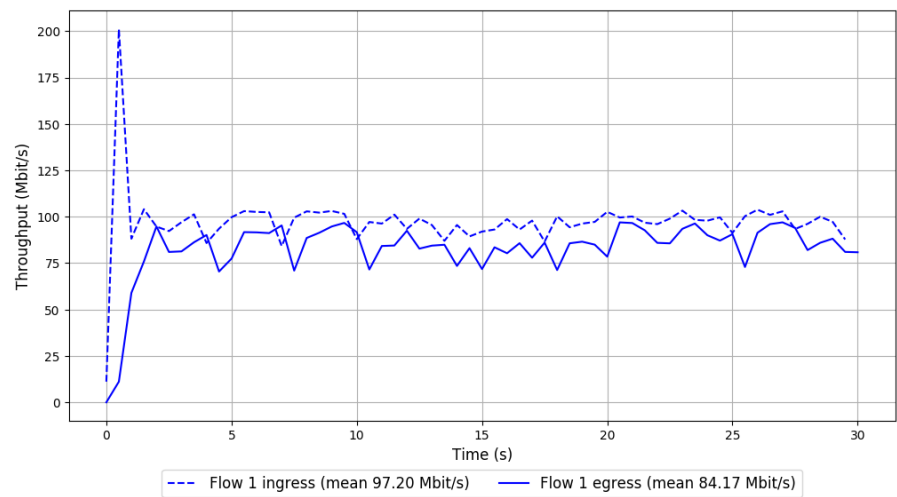


Run 3: Statistics of FillP

Start at: 2018-06-29 13:39:28
End at: 2018-06-29 13:39:58
Local clock offset: 0.39 ms
Remote clock offset: -13.955 ms

Below is generated by plot.py at 2018-06-29 16:08:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 13.38%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 13.38%

Run 3: Report of FillP — Data Link

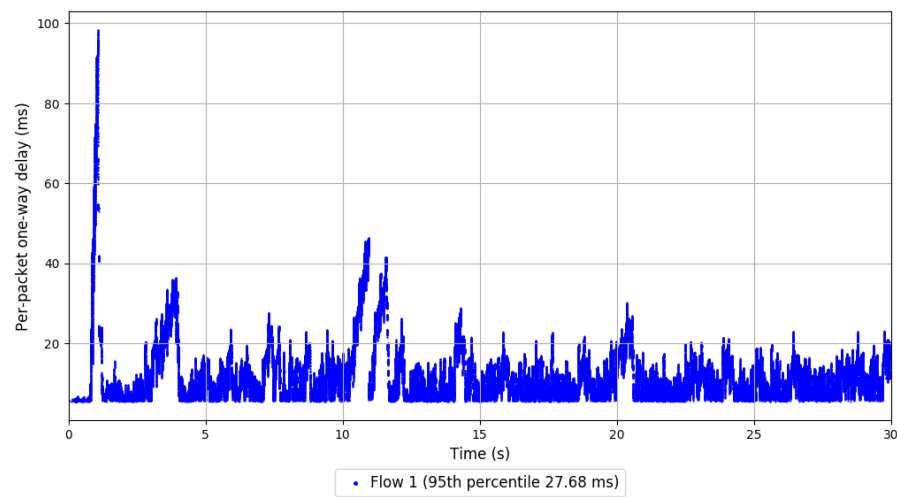
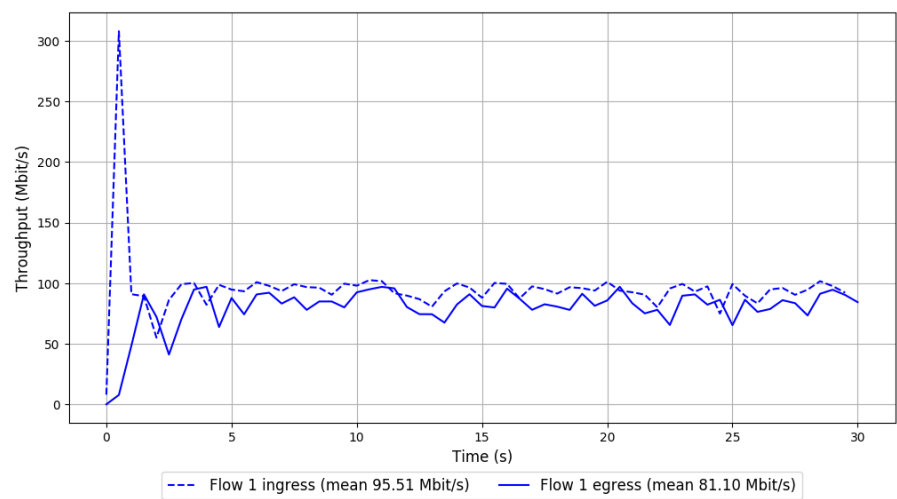


Run 4: Statistics of FillP

Start at: 2018-06-29 13:58:36
End at: 2018-06-29 13:59:06
Local clock offset: 1.524 ms
Remote clock offset: -15.19 ms

Below is generated by plot.py at 2018-06-29 16:08:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 15.10%
-- Flow 1:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 15.10%

Run 4: Report of FillP — Data Link

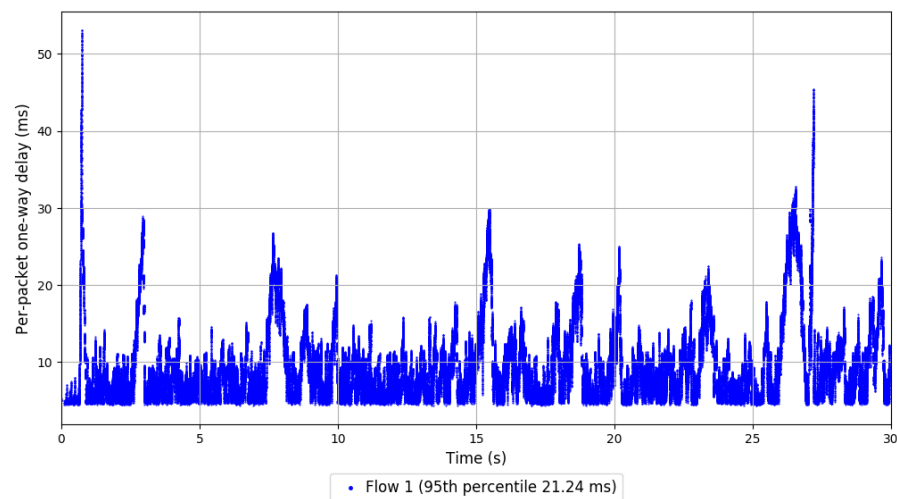
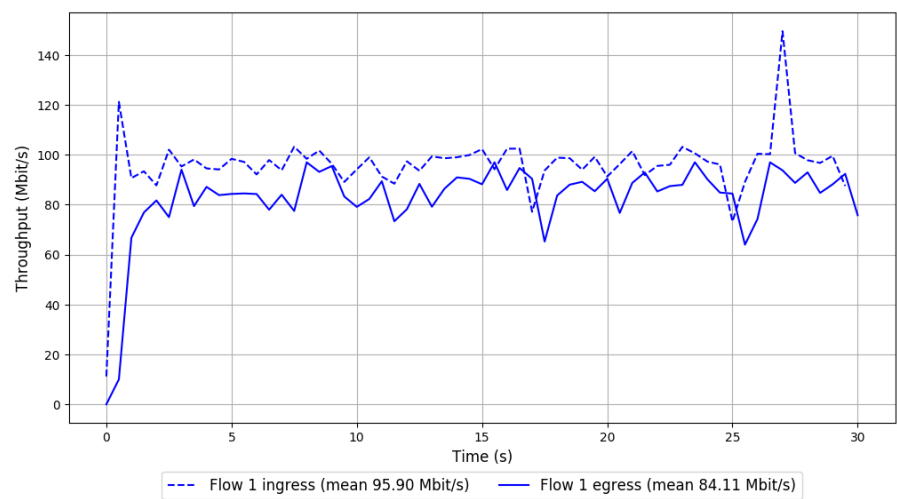


Run 5: Statistics of FillP

Start at: 2018-06-29 14:18:00
End at: 2018-06-29 14:18:30
Local clock offset: 2.579 ms
Remote clock offset: -11.67 ms

Below is generated by plot.py at 2018-06-29 16:08:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 21.239 ms
Loss rate: 12.28%
-- Flow 1:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 21.239 ms
Loss rate: 12.28%

Run 5: Report of FillP — Data Link

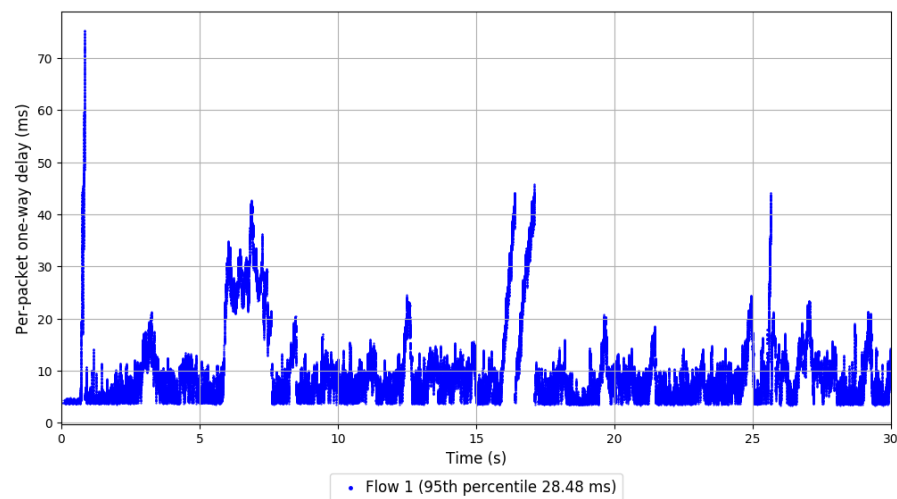
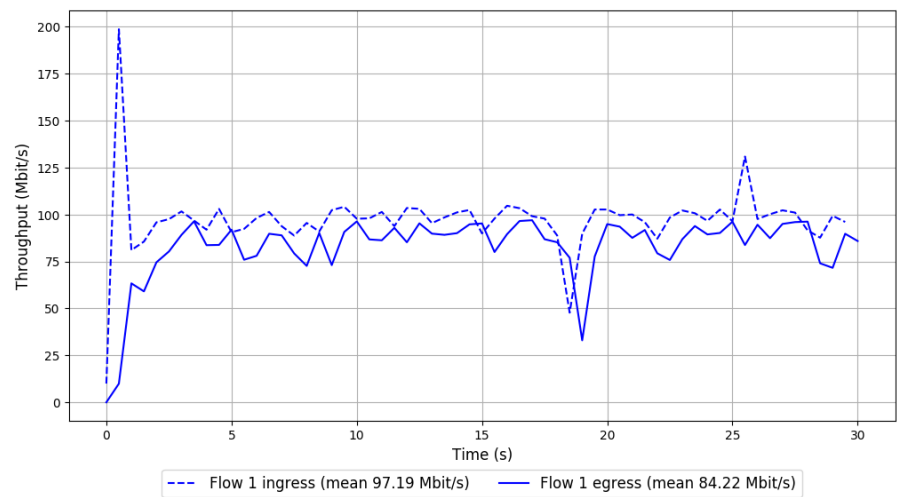


Run 6: Statistics of FillP

Start at: 2018-06-29 14:37:17
End at: 2018-06-29 14:37:47
Local clock offset: 3.465 ms
Remote clock offset: -10.123 ms

Below is generated by plot.py at 2018-06-29 16:08:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 13.33%
-- Flow 1:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 13.33%

Run 6: Report of FillP — Data Link

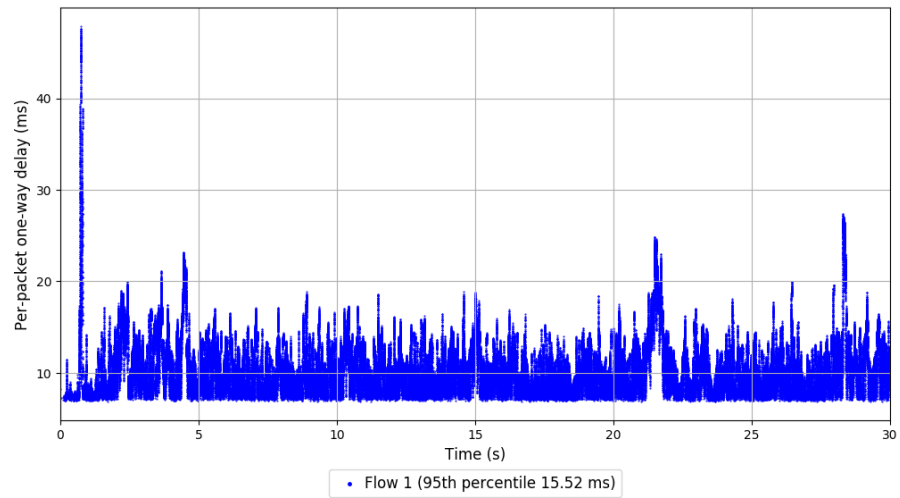
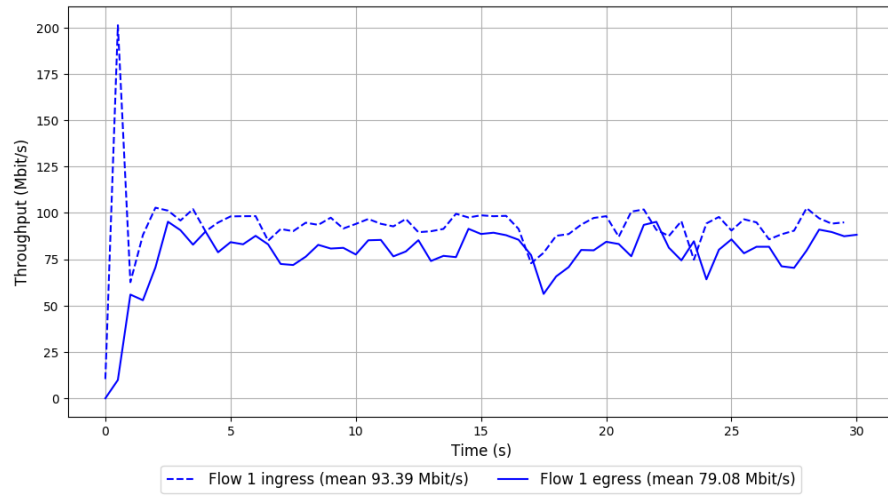


Run 7: Statistics of FillP

Start at: 2018-06-29 14:56:29
End at: 2018-06-29 14:56:59
Local clock offset: 1.937 ms
Remote clock offset: -3.598 ms

Below is generated by plot.py at 2018-06-29 16:08:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 15.515 ms
Loss rate: 15.31%
-- Flow 1:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 15.515 ms
Loss rate: 15.31%

Run 7: Report of FillP — Data Link

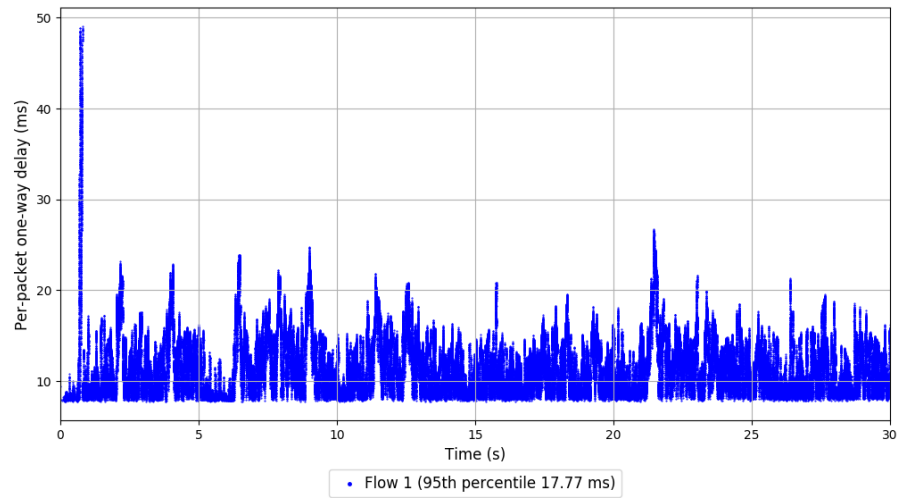
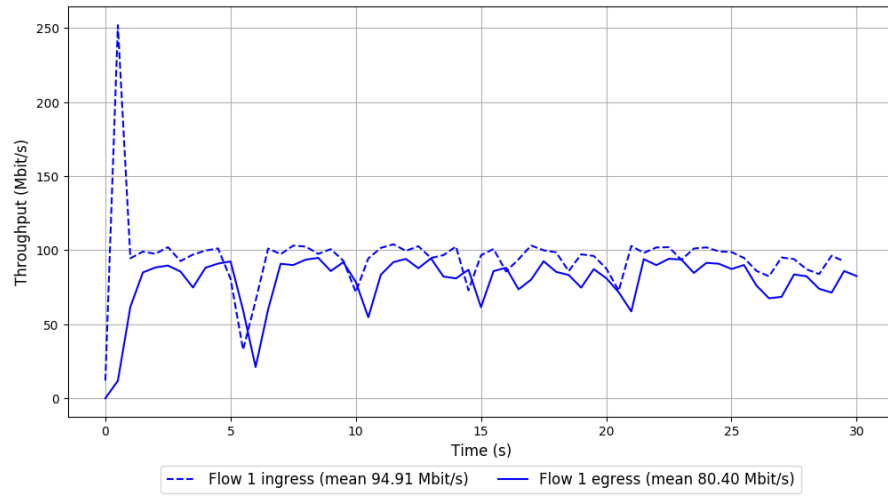


Run 8: Statistics of FillP

Start at: 2018-06-29 15:16:12
End at: 2018-06-29 15:16:42
Local clock offset: 1.102 ms
Remote clock offset: -4.183 ms

Below is generated by plot.py at 2018-06-29 16:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 17.765 ms
Loss rate: 15.28%
-- Flow 1:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 17.765 ms
Loss rate: 15.28%

Run 8: Report of FillP — Data Link

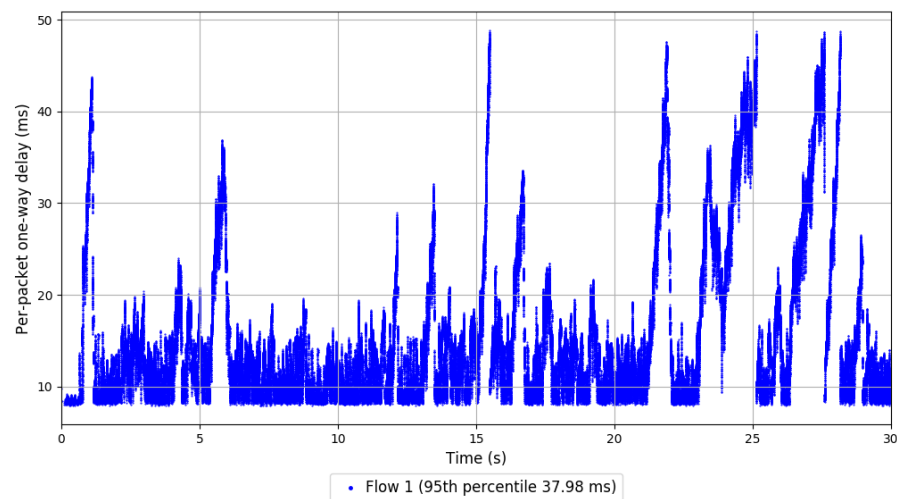
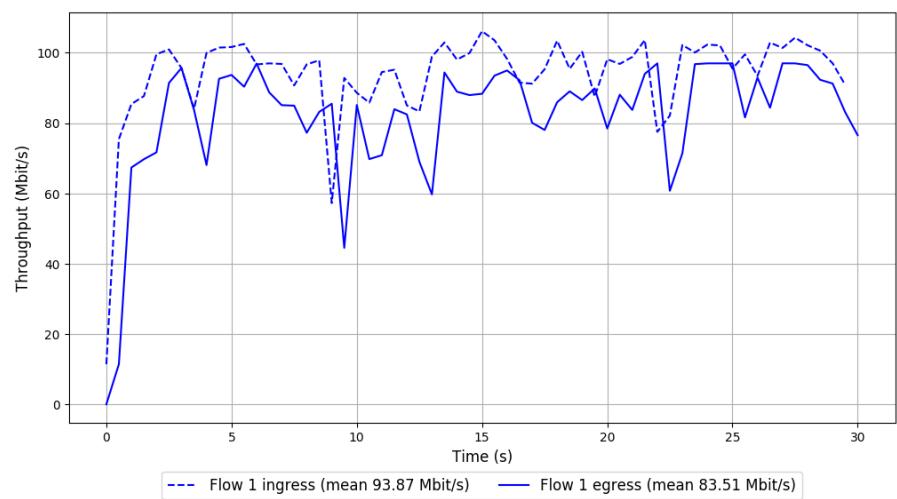


Run 9: Statistics of FillP

Start at: 2018-06-29 15:35:51
End at: 2018-06-29 15:36:21
Local clock offset: 1.395 ms
Remote clock offset: -5.113 ms

Below is generated by plot.py at 2018-06-29 16:09:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 37.982 ms
Loss rate: 11.04%
-- Flow 1:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 37.982 ms
Loss rate: 11.04%

Run 9: Report of FillP — Data Link

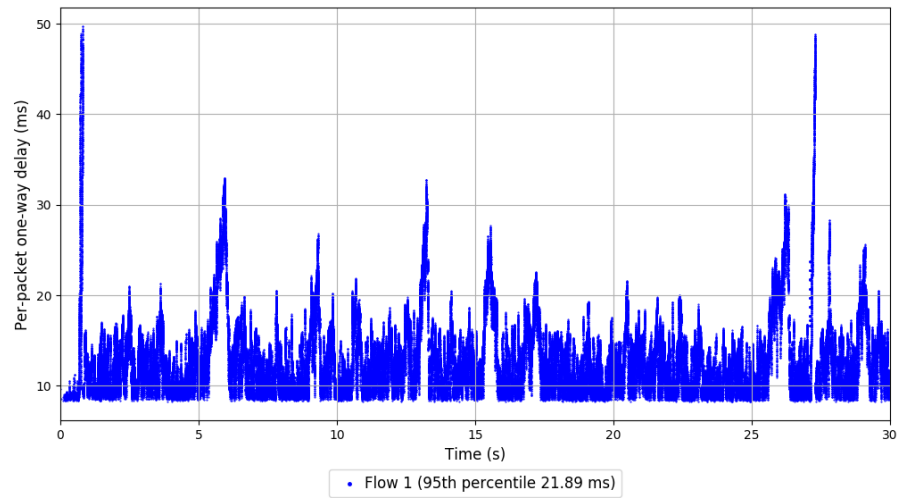
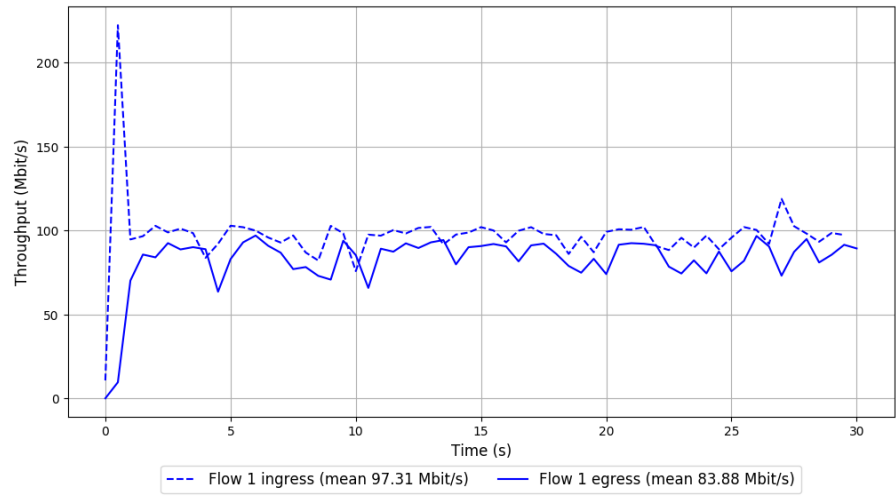


Run 10: Statistics of FillP

Start at: 2018-06-29 15:55:13
End at: 2018-06-29 15:55:43
Local clock offset: 0.466 ms
Remote clock offset: -3.208 ms

Below is generated by plot.py at 2018-06-29 16:09:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 21.888 ms
Loss rate: 13.80%
-- Flow 1:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 21.888 ms
Loss rate: 13.80%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

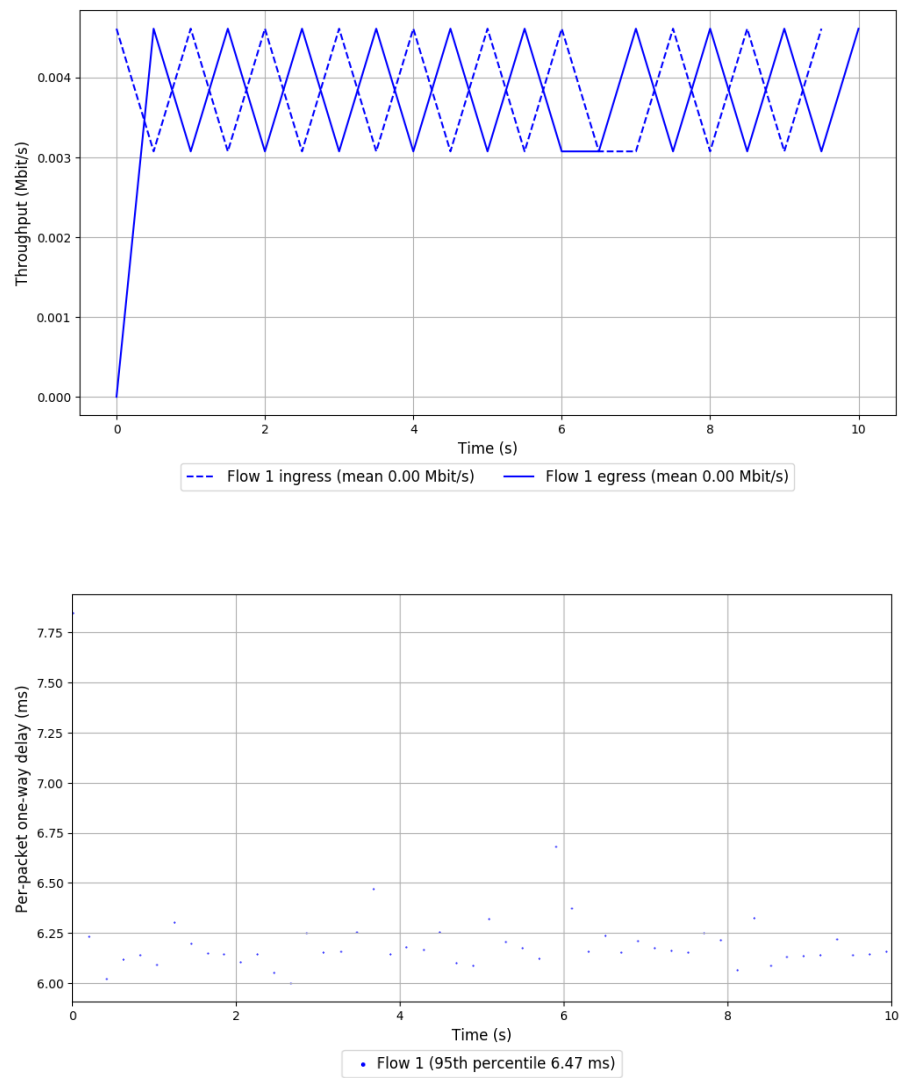
Start at: 2018-06-29 12:48:28

End at: 2018-06-29 12:48:58

Local clock offset: 0.731 ms

Remote clock offset: -7.934 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

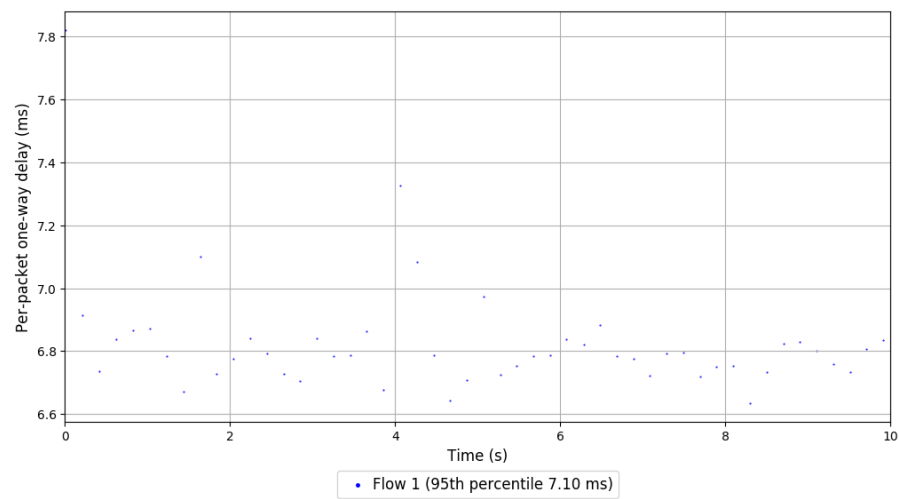
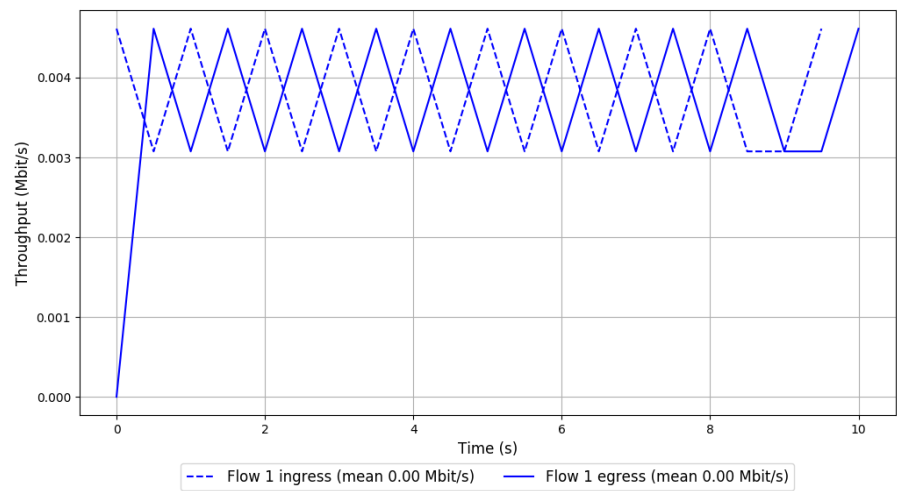
Start at: 2018-06-29 13:07:38

End at: 2018-06-29 13:08:08

Local clock offset: 0.894 ms

Remote clock offset: -7.113 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

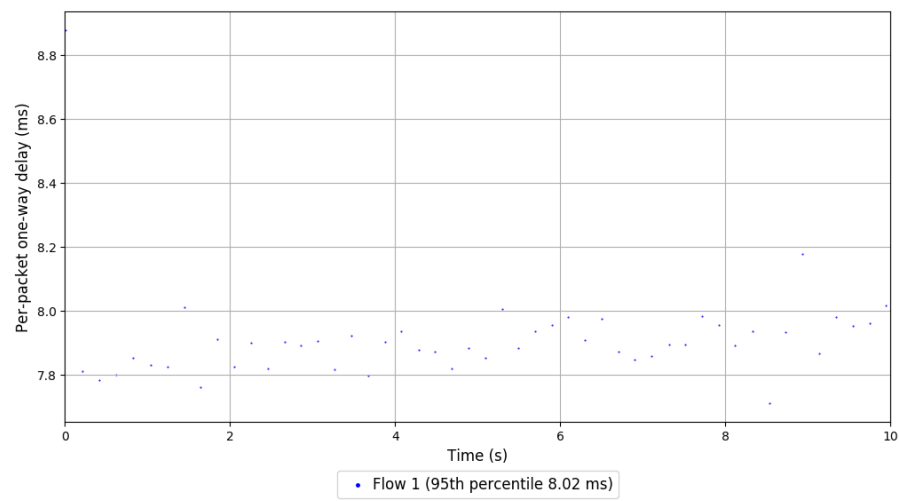
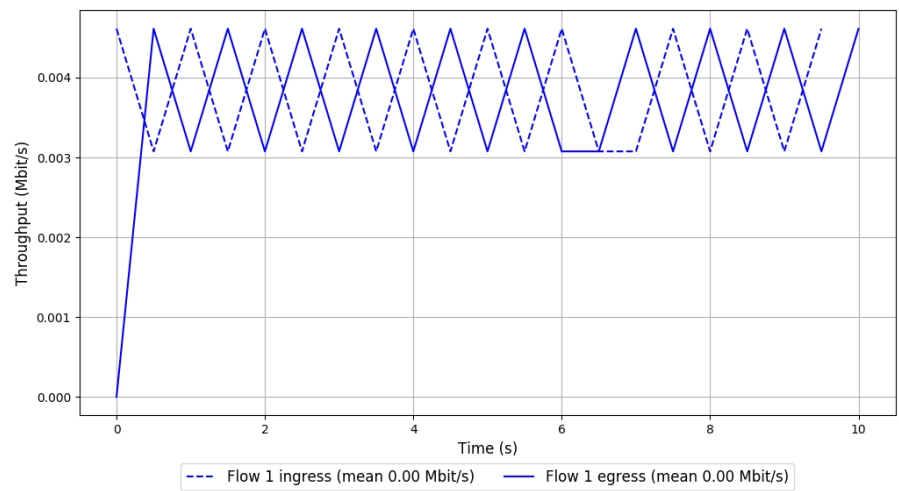
Start at: 2018-06-29 13:27:02

End at: 2018-06-29 13:27:32

Local clock offset: 0.577 ms

Remote clock offset: -7.152 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

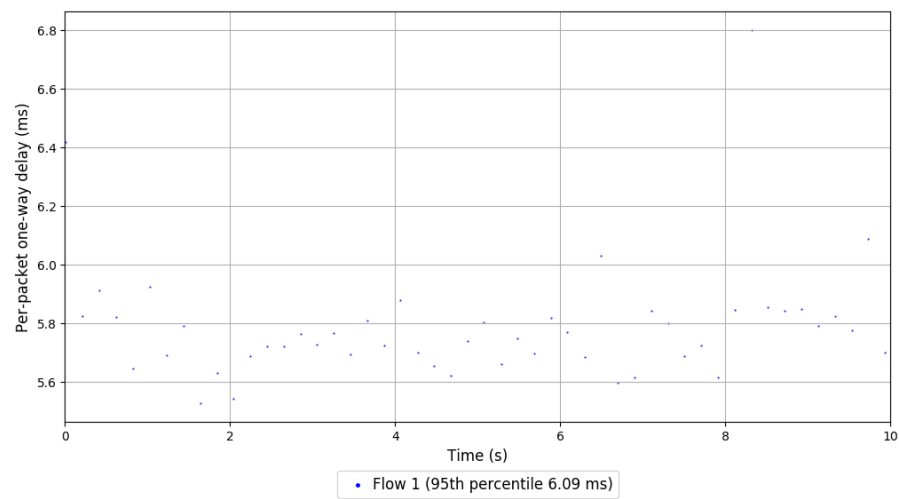
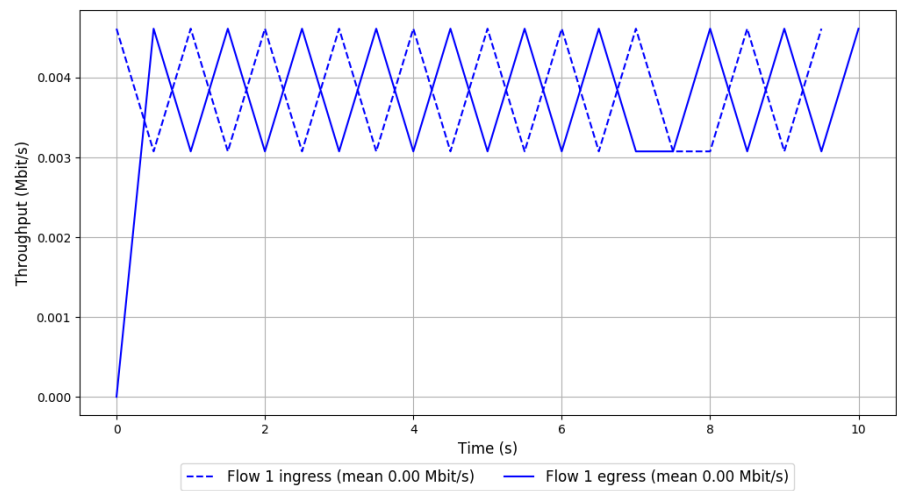
Start at: 2018-06-29 13:46:13

End at: 2018-06-29 13:46:43

Local clock offset: 2.14 ms

Remote clock offset: -12.694 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

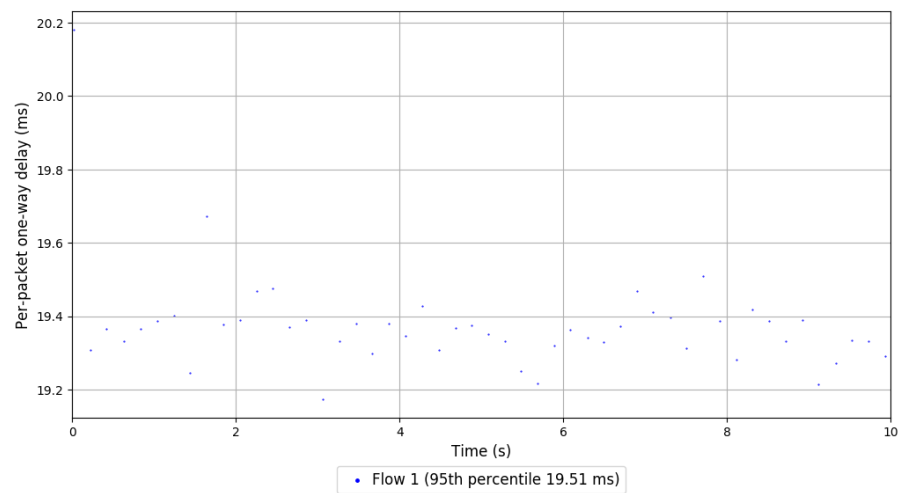
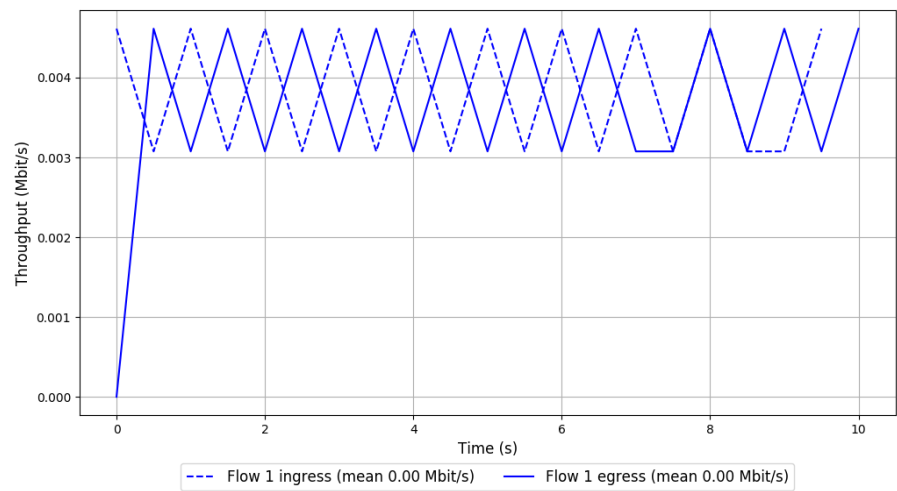
Start at: 2018-06-29 14:05:26

End at: 2018-06-29 14:05:56

Local clock offset: -0.009 ms

Remote clock offset: -3.0 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

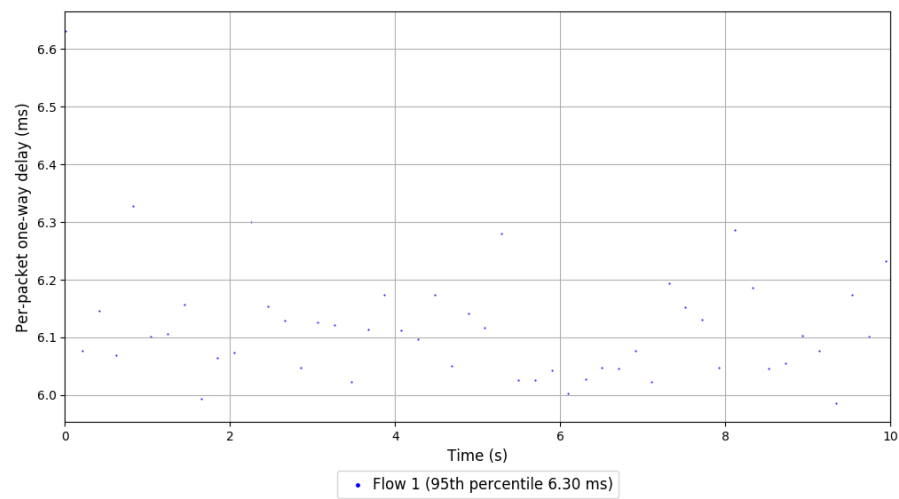
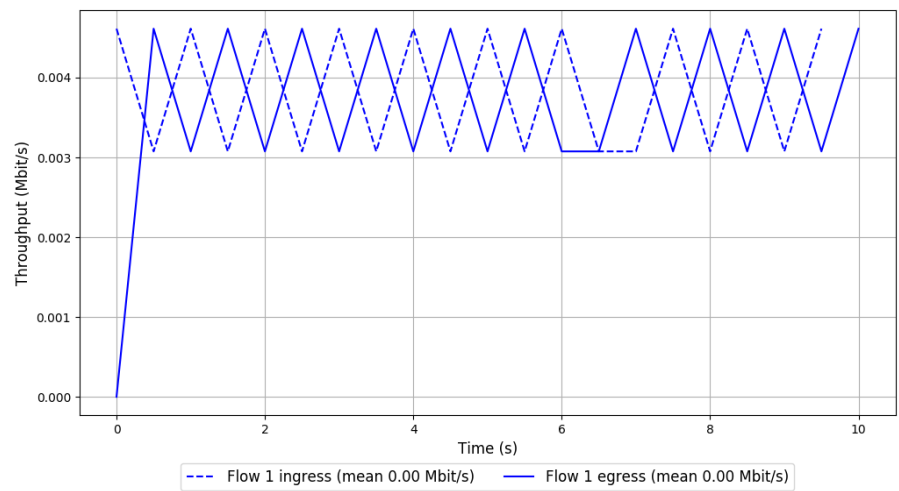
Start at: 2018-06-29 14:24:56

End at: 2018-06-29 14:25:26

Local clock offset: 2.576 ms

Remote clock offset: -12.261 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

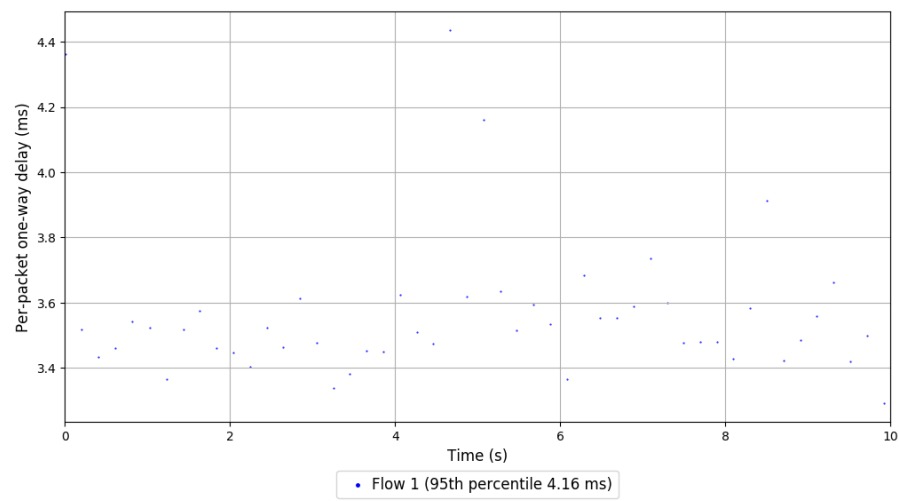
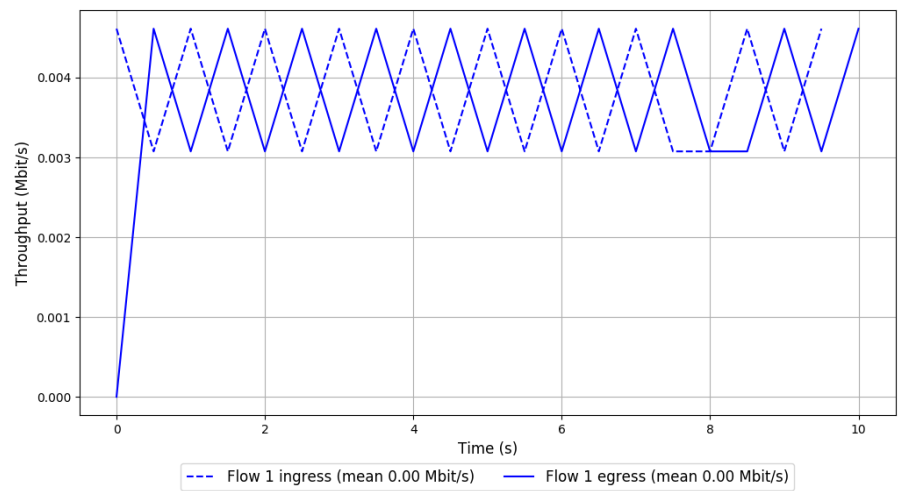
Start at: 2018-06-29 14:44:06

End at: 2018-06-29 14:44:36

Local clock offset: 1.954 ms

Remote clock offset: -8.759 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

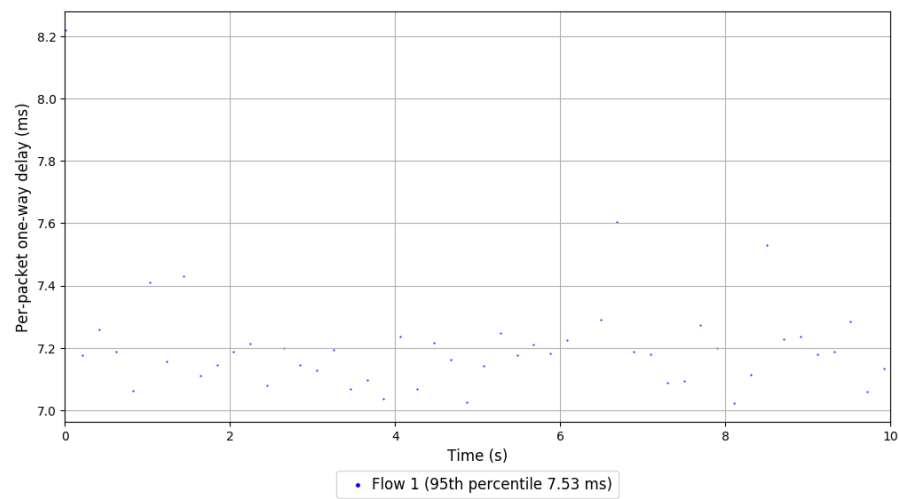
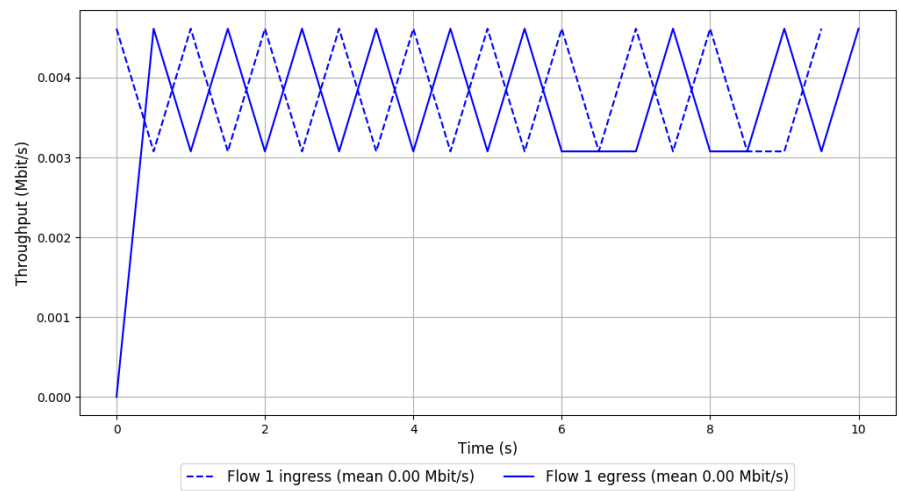
Start at: 2018-06-29 15:03:35

End at: 2018-06-29 15:04:05

Local clock offset: 0.459 ms

Remote clock offset: -2.515 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

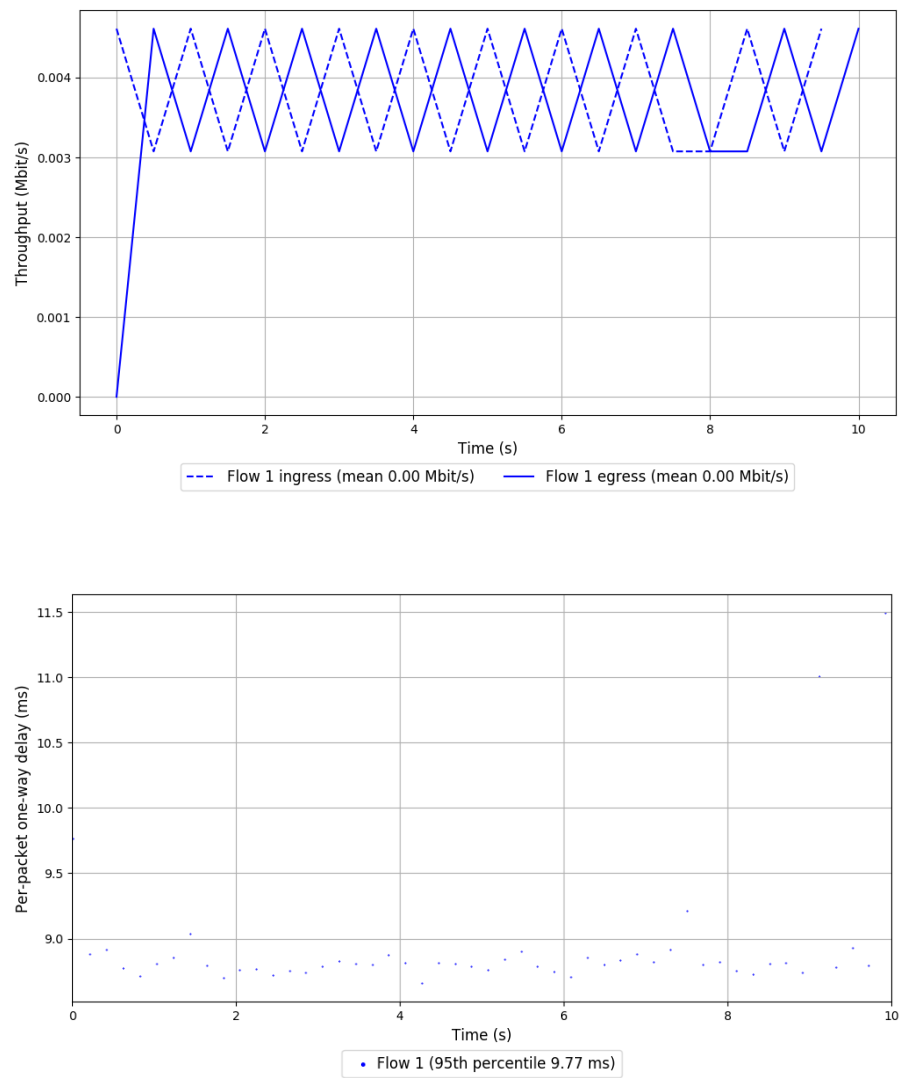
Start at: 2018-06-29 15:23:09

End at: 2018-06-29 15:23:39

Local clock offset: -1.198 ms

Remote clock offset: -5.06 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

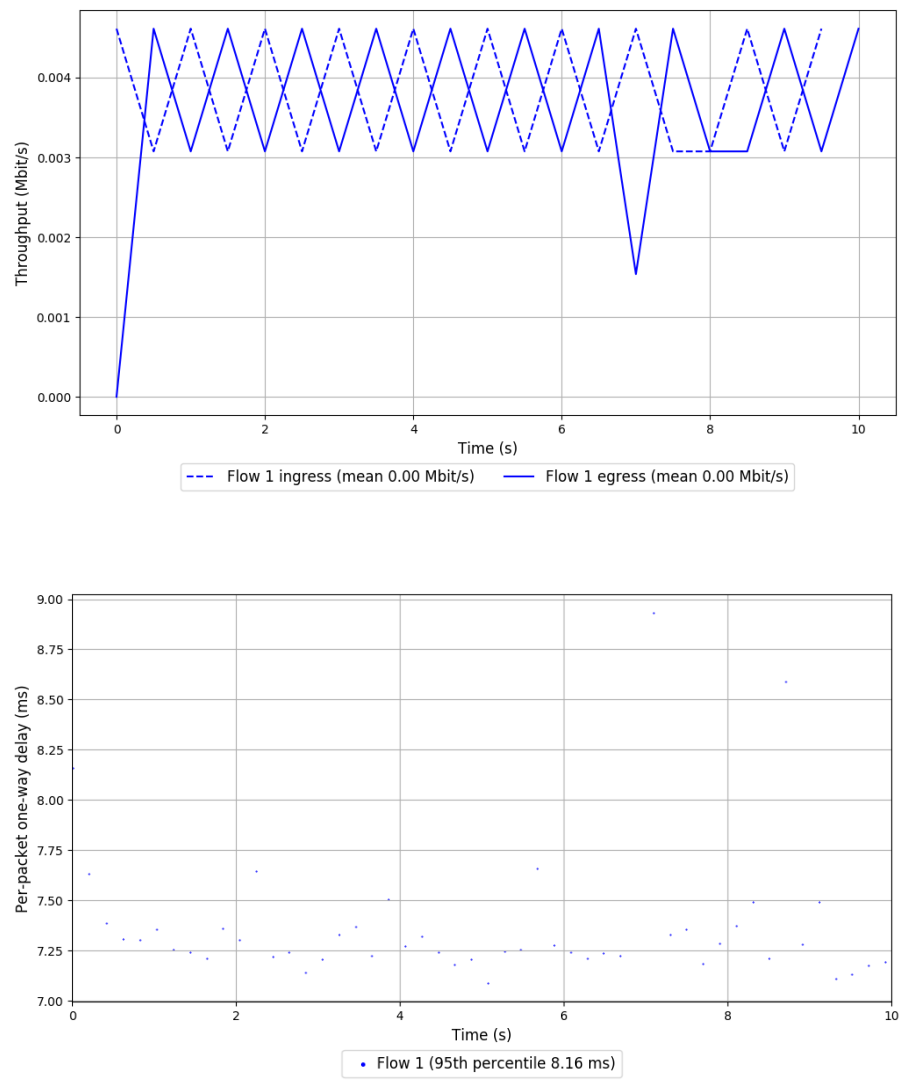
Start at: 2018-06-29 15:42:43

End at: 2018-06-29 15:43:13

Local clock offset: 0.605 ms

Remote clock offset: -5.149 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-29 12:55:17

End at: 2018-06-29 12:55:47

Local clock offset: 3.374 ms

Remote clock offset: -6.789 ms

Below is generated by plot.py at 2018-06-29 16:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.88 Mbit/s

95th percentile per-packet one-way delay: 7.686 ms

Loss rate: 3.36%

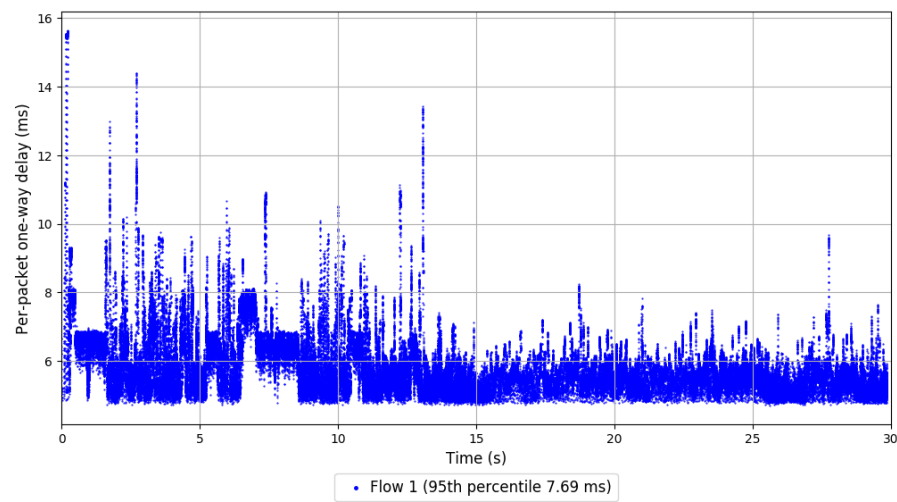
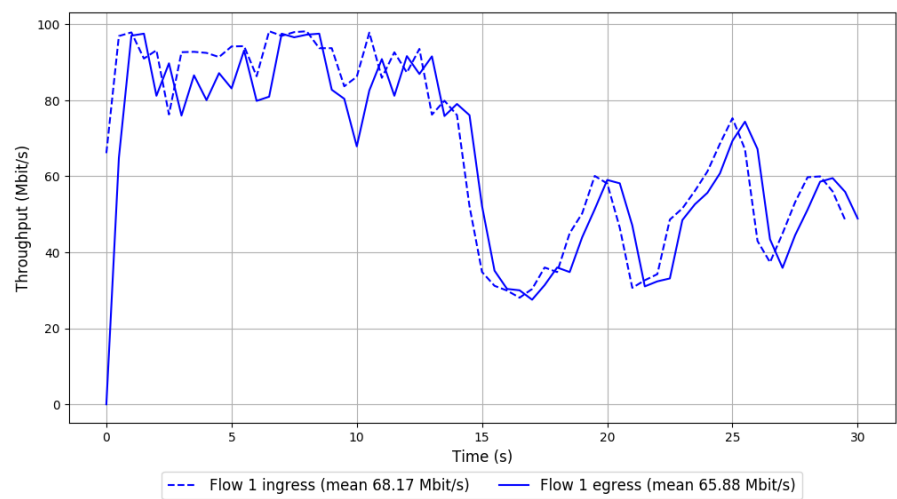
-- Flow 1:

Average throughput: 65.88 Mbit/s

95th percentile per-packet one-way delay: 7.686 ms

Loss rate: 3.36%

Run 1: Report of Indigo — Data Link

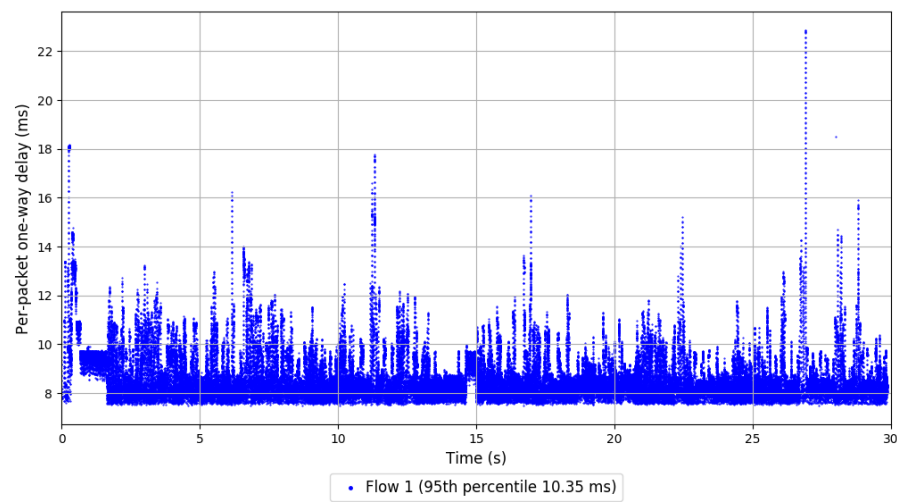
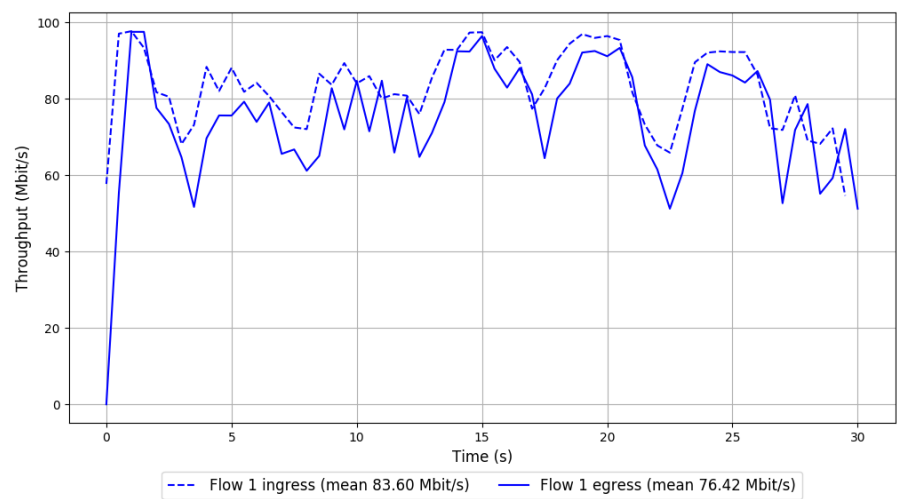


Run 2: Statistics of Indigo

Start at: 2018-06-29 13:14:22
End at: 2018-06-29 13:14:52
Local clock offset: 2.25 ms
Remote clock offset: -4.664 ms

Below is generated by plot.py at 2018-06-29 16:09:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 10.352 ms
Loss rate: 8.60%

Run 2: Report of Indigo — Data Link

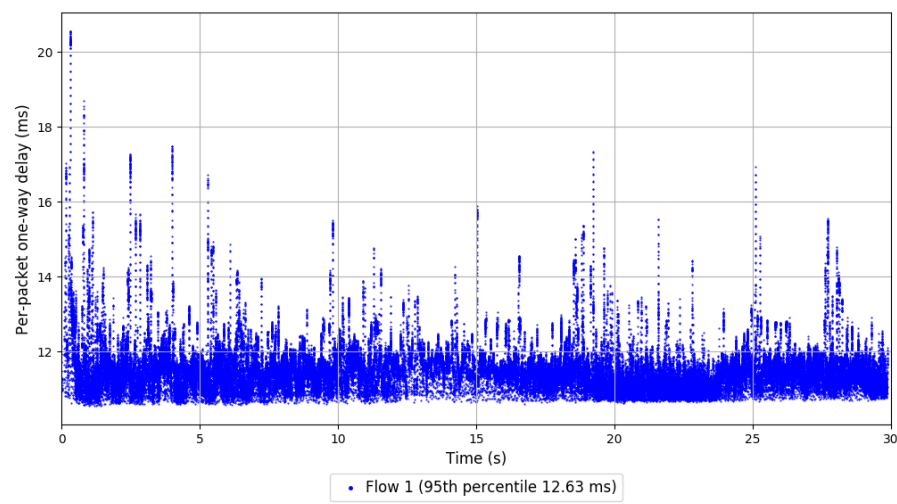
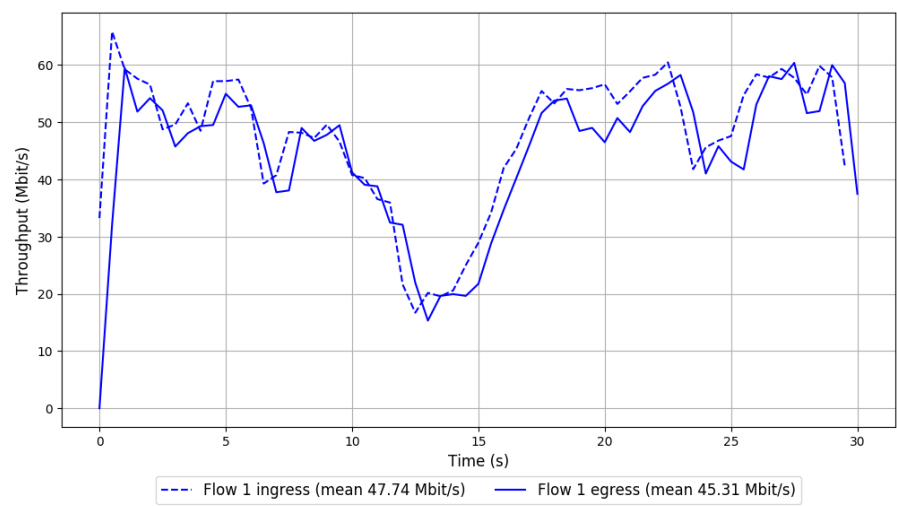


Run 3: Statistics of Indigo

Start at: 2018-06-29 13:33:50
End at: 2018-06-29 13:34:20
Local clock offset: 0.246 ms
Remote clock offset: -10.463 ms

Below is generated by plot.py at 2018-06-29 16:09:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 12.633 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 12.633 ms
Loss rate: 5.08%

Run 3: Report of Indigo — Data Link

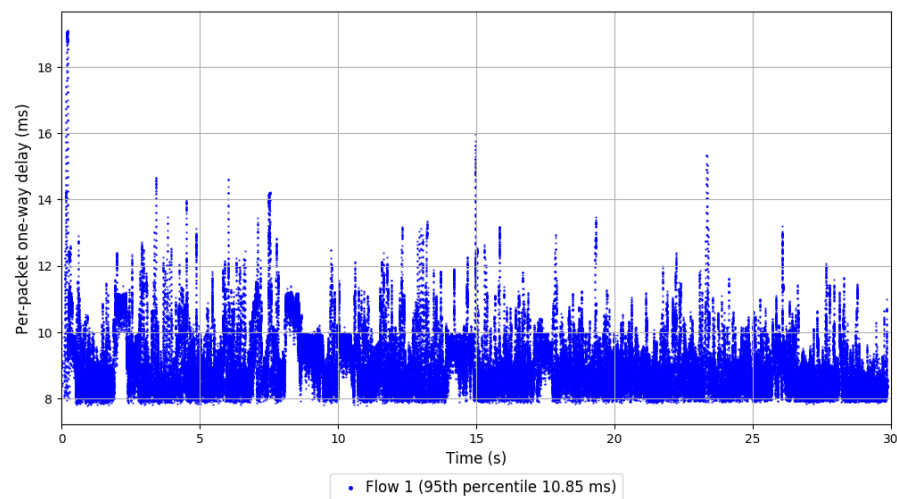
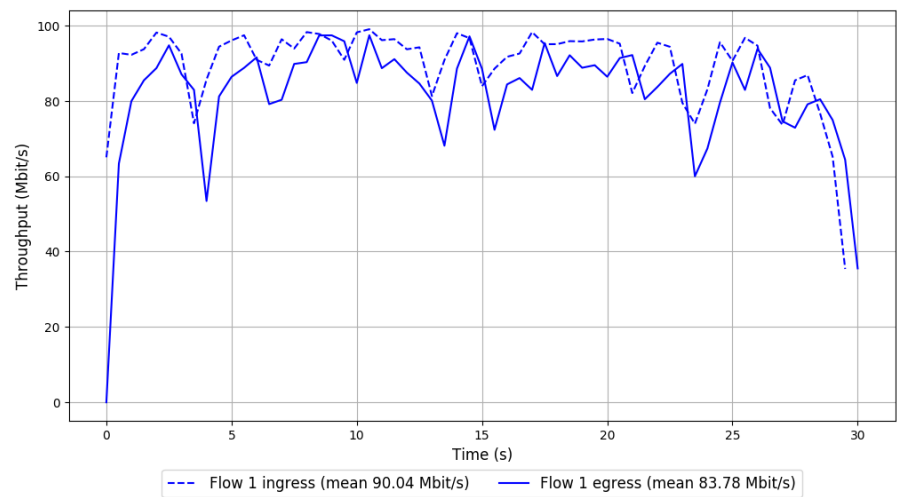


Run 4: Statistics of Indigo

Start at: 2018-06-29 13:53:00
End at: 2018-06-29 13:53:30
Local clock offset: -0.297 ms
Remote clock offset: -14.023 ms

Below is generated by plot.py at 2018-06-29 16:09:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 10.852 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 10.852 ms
Loss rate: 6.96%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-29 14:12:18

End at: 2018-06-29 14:12:48

Local clock offset: 1.817 ms

Remote clock offset: 2.858 ms

Below is generated by plot.py at 2018-06-29 16:09:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.43 Mbit/s

95th percentile per-packet one-way delay: 25.103 ms

Loss rate: 2.34%

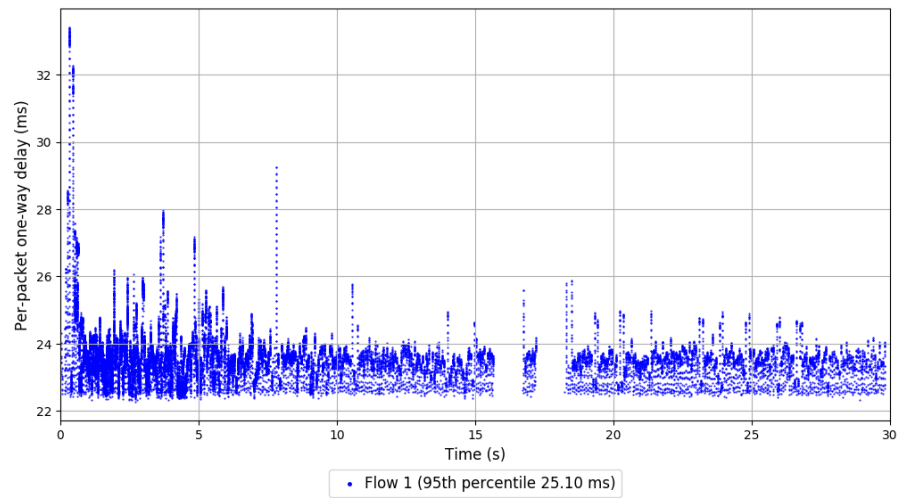
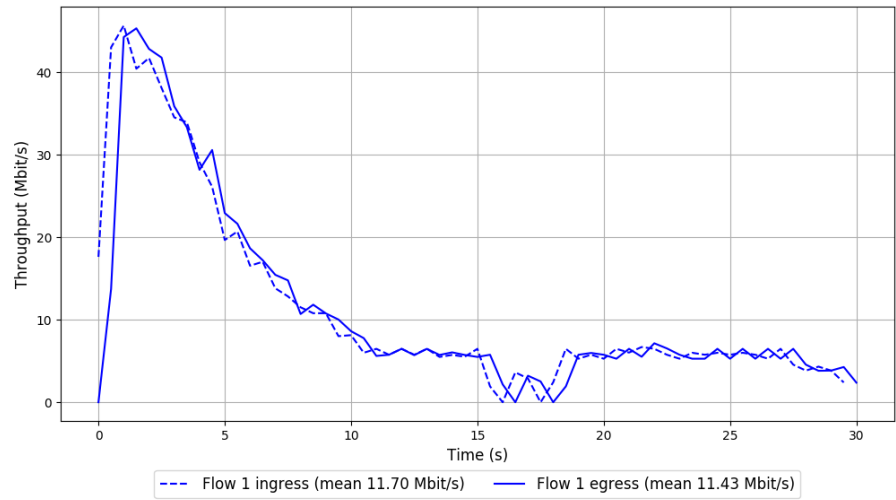
-- Flow 1:

Average throughput: 11.43 Mbit/s

95th percentile per-packet one-way delay: 25.103 ms

Loss rate: 2.34%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 14:31:34

End at: 2018-06-29 14:32:04

Local clock offset: 1.62 ms

Remote clock offset: -12.223 ms

Below is generated by plot.py at 2018-06-29 16:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.12 Mbit/s

95th percentile per-packet one-way delay: 9.778 ms

Loss rate: 10.05%

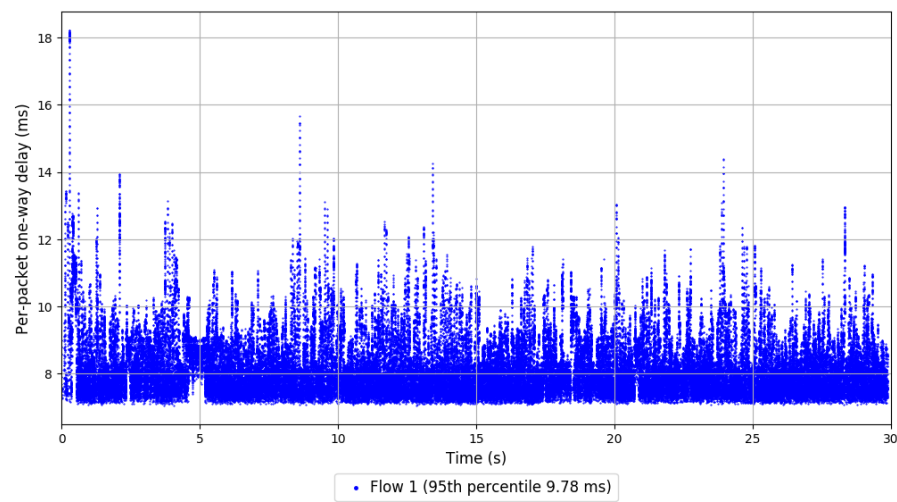
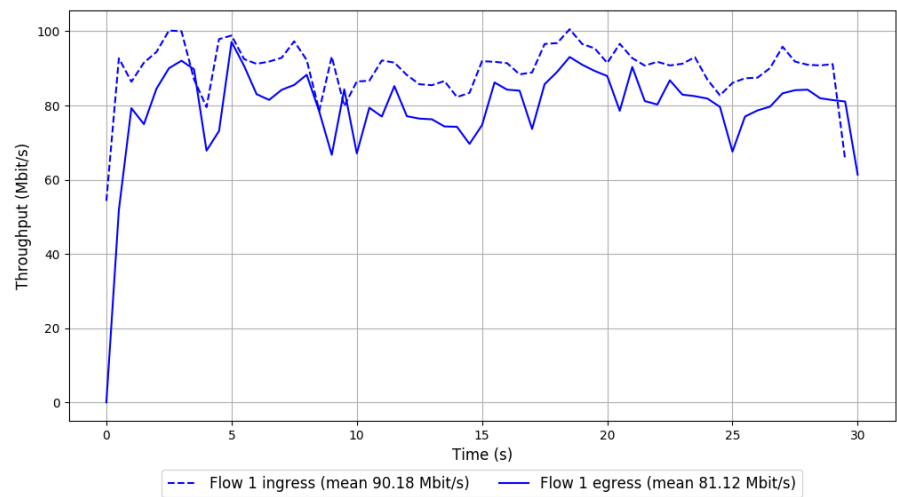
-- Flow 1:

Average throughput: 81.12 Mbit/s

95th percentile per-packet one-way delay: 9.778 ms

Loss rate: 10.05%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-29 14:50:51

End at: 2018-06-29 14:51:21

Local clock offset: 1.601 ms

Remote clock offset: -4.41 ms

Below is generated by plot.py at 2018-06-29 16:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 9.272 ms

Loss rate: 7.91%

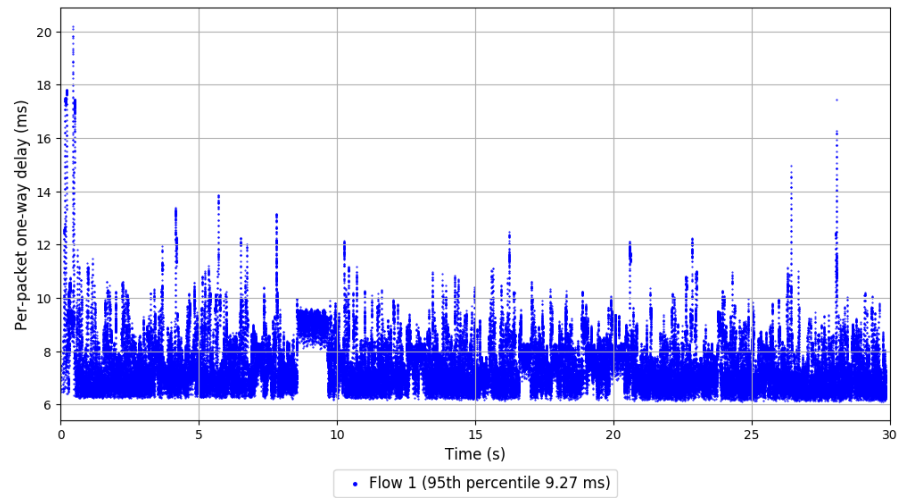
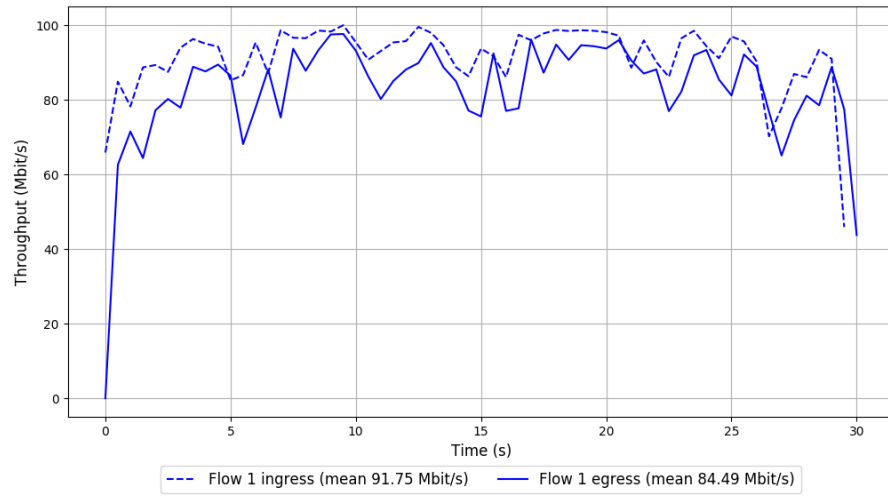
-- Flow 1:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 9.272 ms

Loss rate: 7.91%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-29 15:10:25

End at: 2018-06-29 15:10:55

Local clock offset: 0.253 ms

Remote clock offset: -3.64 ms

Below is generated by plot.py at 2018-06-29 16:10:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.84 Mbit/s

95th percentile per-packet one-way delay: 9.331 ms

Loss rate: 12.21%

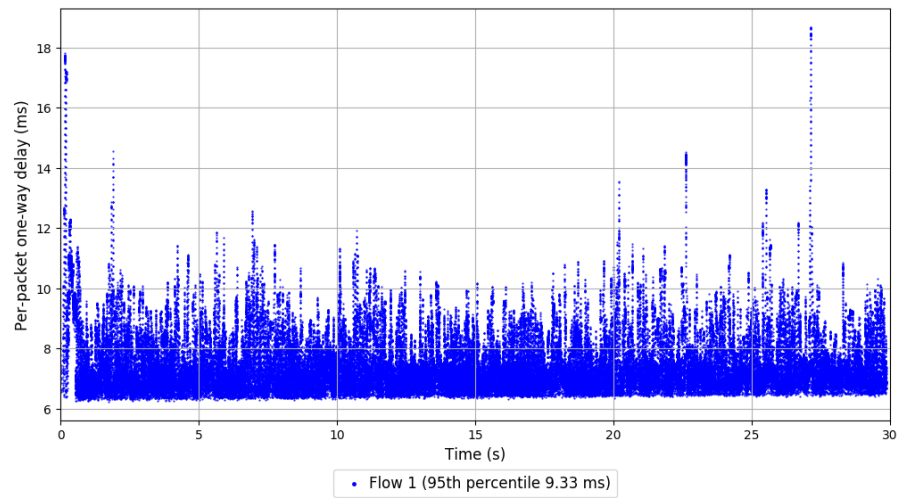
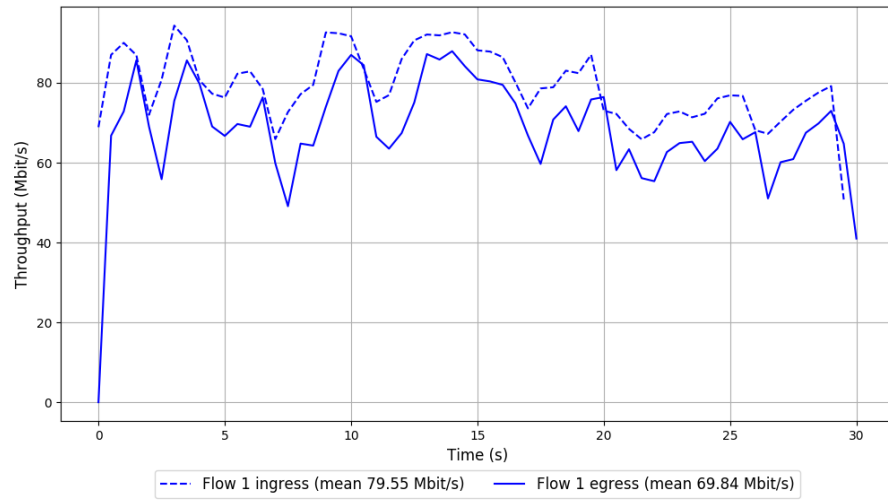
-- Flow 1:

Average throughput: 69.84 Mbit/s

95th percentile per-packet one-way delay: 9.331 ms

Loss rate: 12.21%

Run 8: Report of Indigo — Data Link

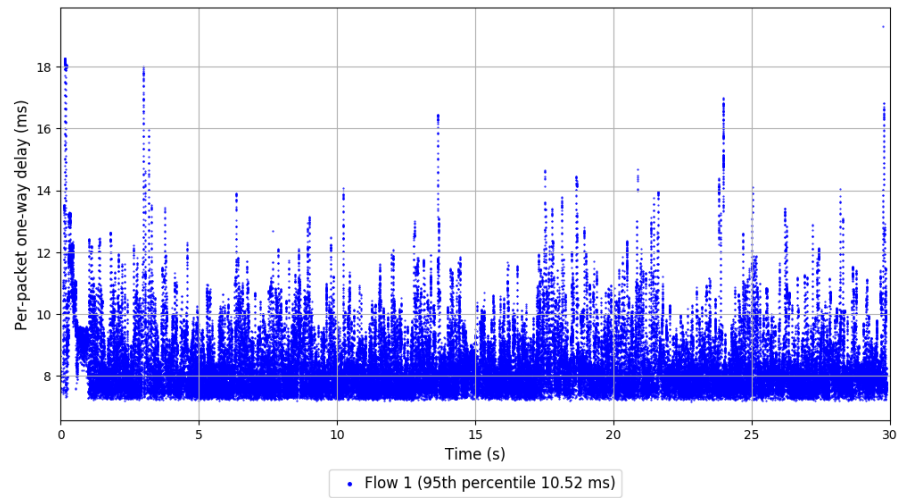
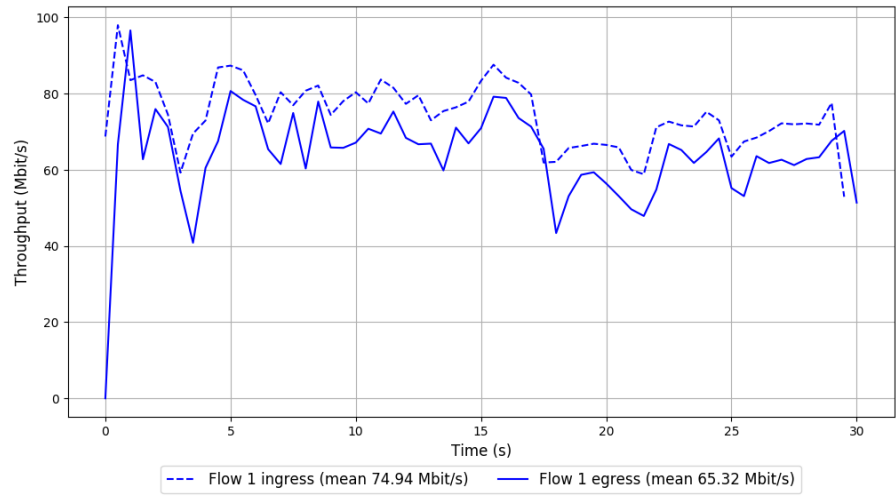


Run 9: Statistics of Indigo

Start at: 2018-06-29 15:30:00
End at: 2018-06-29 15:30:30
Local clock offset: 0.251 ms
Remote clock offset: -5.489 ms

Below is generated by plot.py at 2018-06-29 16:10:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 10.515 ms
Loss rate: 12.84%
-- Flow 1:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 10.515 ms
Loss rate: 12.84%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-29 15:49:32

End at: 2018-06-29 15:50:02

Local clock offset: -0.9 ms

Remote clock offset: -3.975 ms

Below is generated by plot.py at 2018-06-29 16:10:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.85 Mbit/s

95th percentile per-packet one-way delay: 11.303 ms

Loss rate: 11.30%

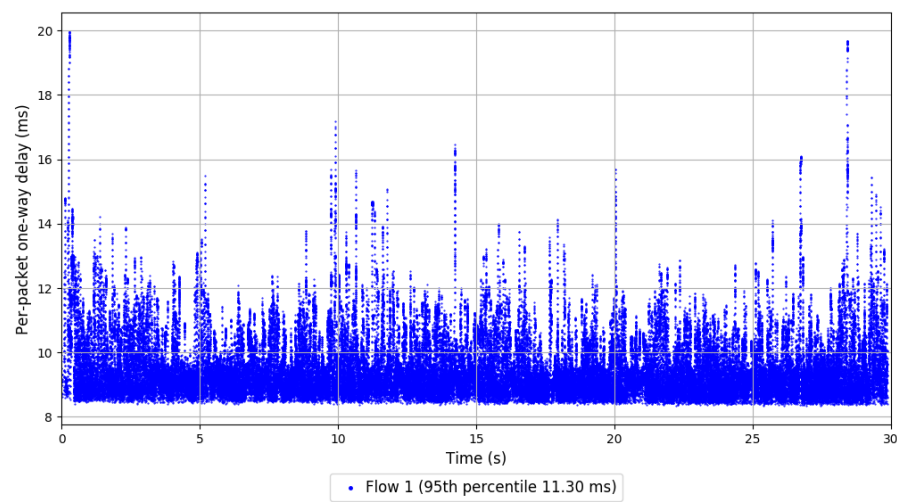
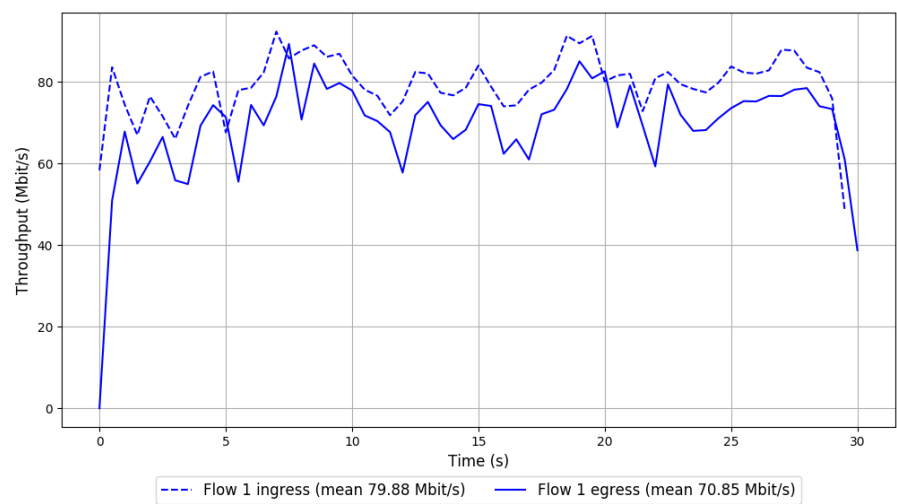
-- Flow 1:

Average throughput: 70.85 Mbit/s

95th percentile per-packet one-way delay: 11.303 ms

Loss rate: 11.30%

Run 10: Report of Indigo — Data Link

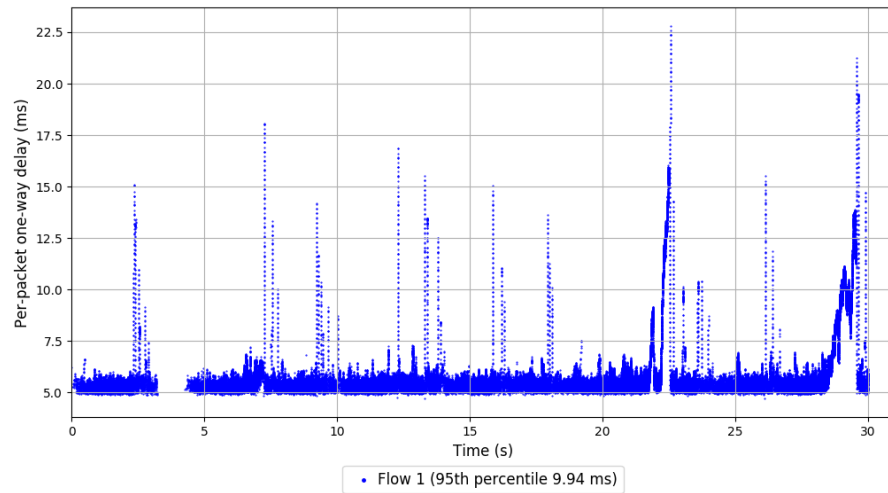
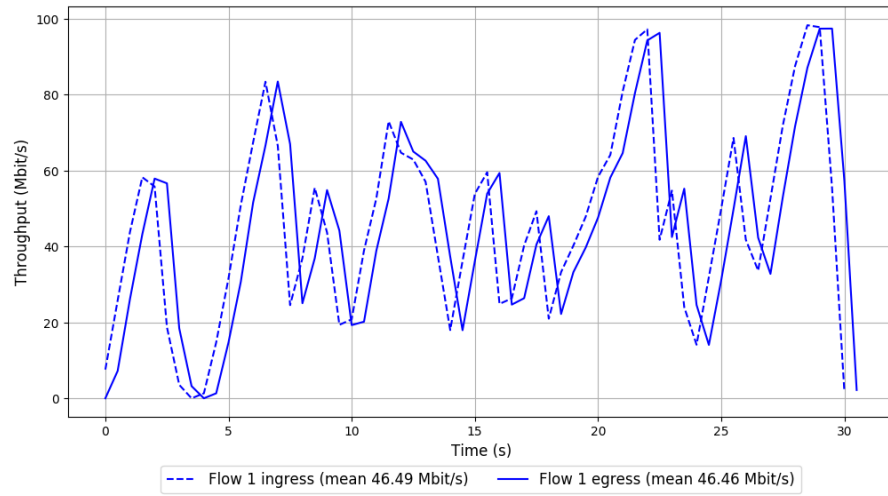


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 12:54:10
End at: 2018-06-29 12:54:40
Local clock offset: 3.37 ms
Remote clock offset: -6.653 ms

# Below is generated by plot.py at 2018-06-29 16:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 0.06%
```


Run 1: Report of LEDBAT — Data Link

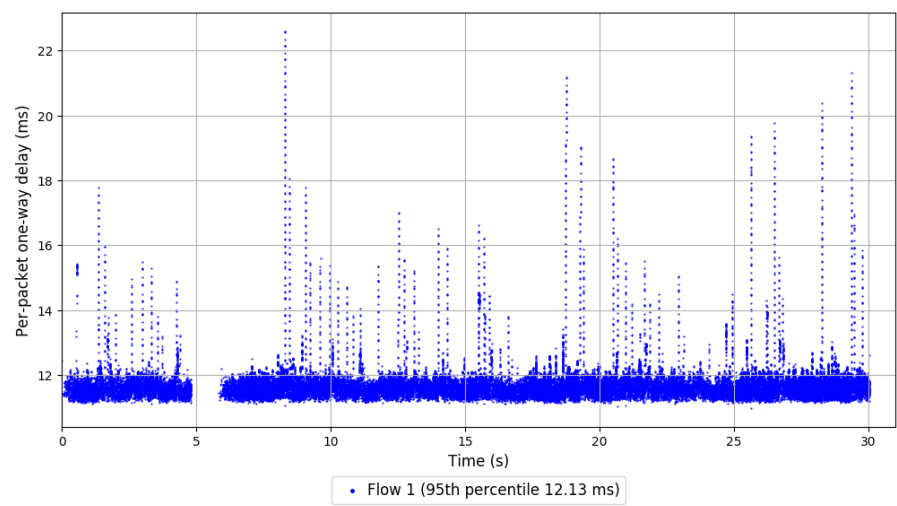
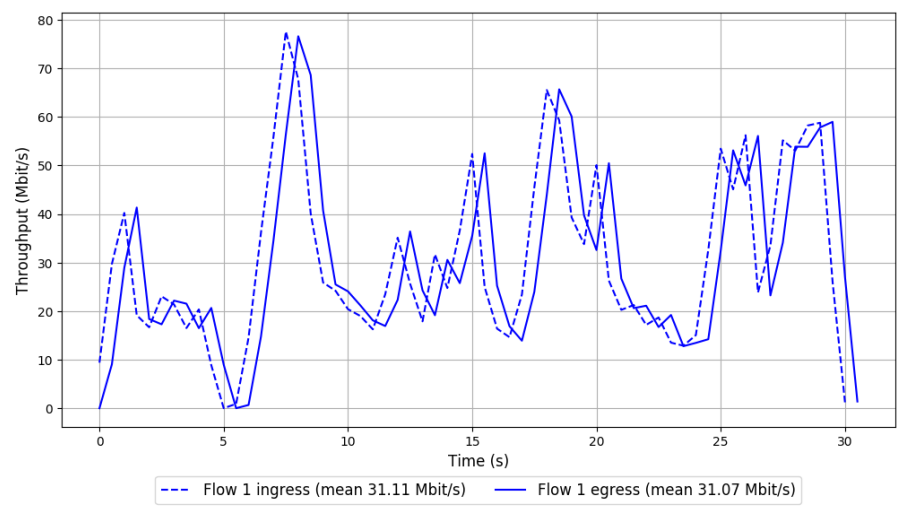


Run 2: Statistics of LEDBAT

Start at: 2018-06-29 13:13:15
End at: 2018-06-29 13:13:45
Local clock offset: -1.944 ms
Remote clock offset: -5.299 ms

Below is generated by plot.py at 2018-06-29 16:10:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 12.133 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 12.133 ms
Loss rate: 0.13%

Run 2: Report of LEDBAT — Data Link

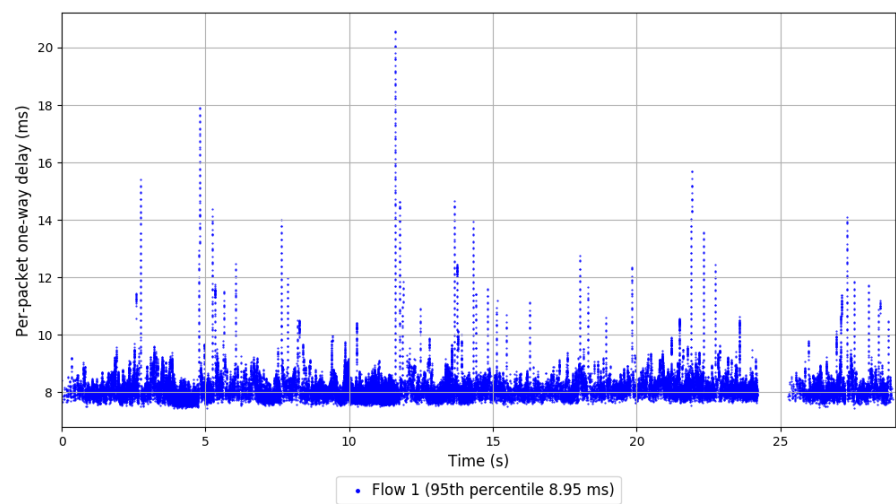
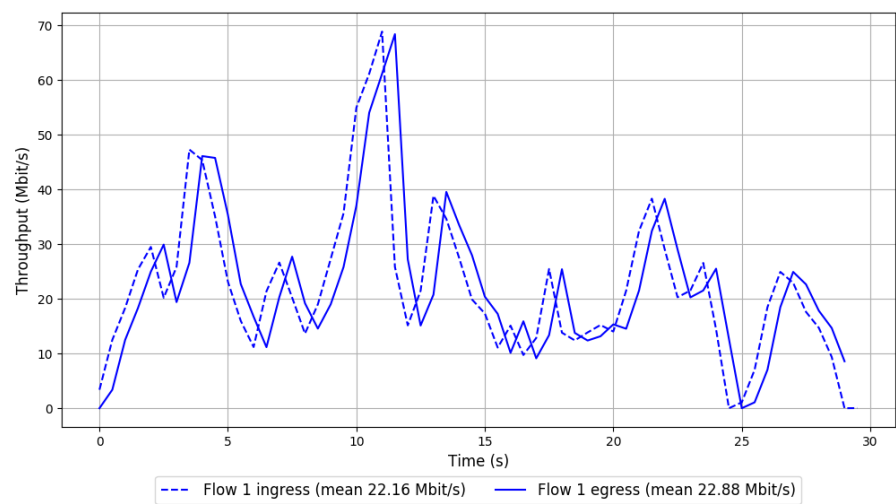


Run 3: Statistics of LEDBAT

Start at: 2018-06-29 13:32:41
End at: 2018-06-29 13:33:11
Local clock offset: -0.397 ms
Remote clock offset: -10.003 ms

Below is generated by plot.py at 2018-06-29 16:10:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 8.953 ms
Loss rate: 0.37%

Run 3: Report of LEDBAT — Data Link

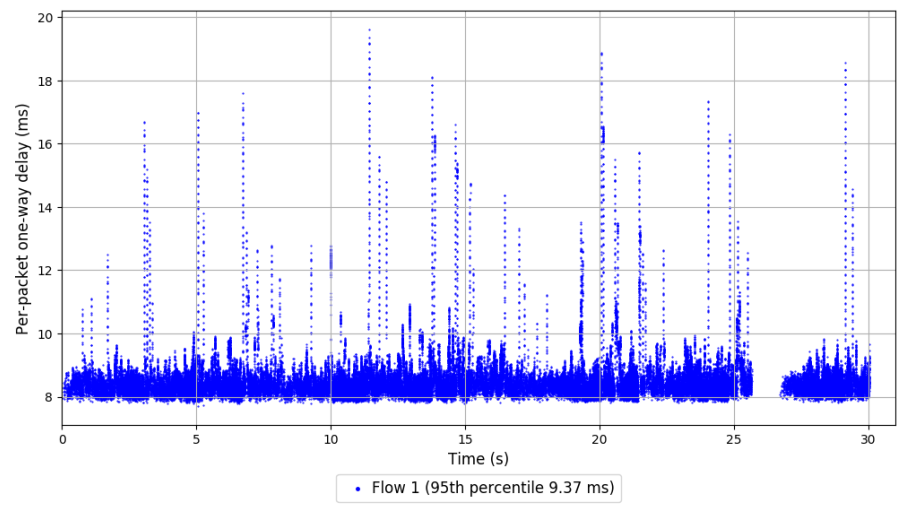
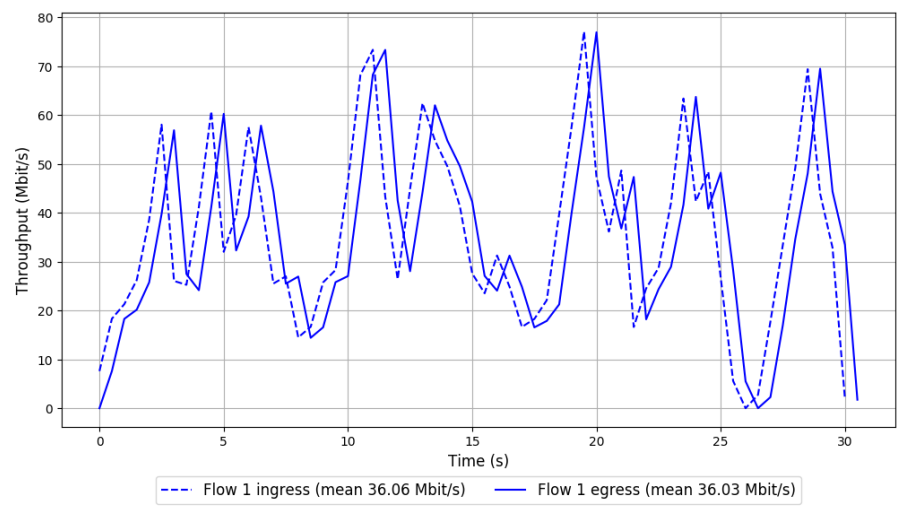


Run 4: Statistics of LEDBAT

Start at: 2018-06-29 13:51:53
End at: 2018-06-29 13:52:23
Local clock offset: -0.173 ms
Remote clock offset: -13.817 ms

Below is generated by plot.py at 2018-06-29 16:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 9.365 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 9.365 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 14:11:11

End at: 2018-06-29 14:11:41

Local clock offset: 0.168 ms

Remote clock offset: 3.318 ms

Below is generated by plot.py at 2018-06-29 16:10:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 24.223 ms

Loss rate: 0.12%

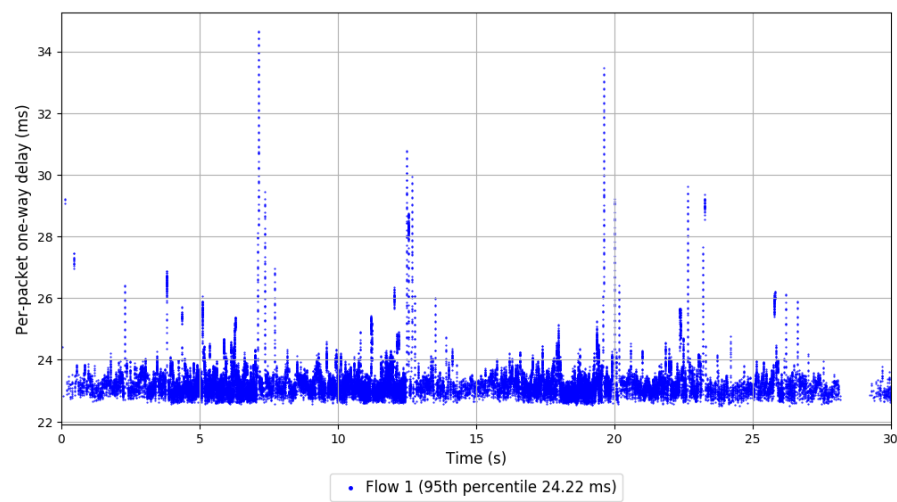
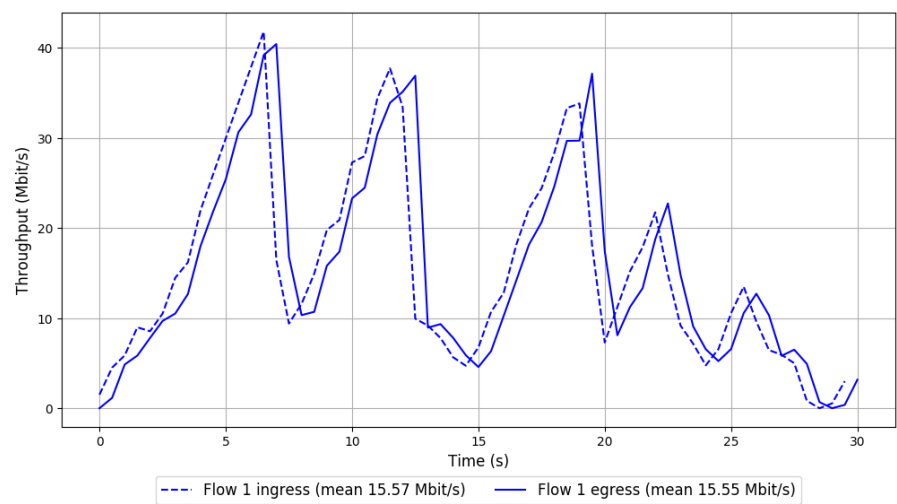
-- Flow 1:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 24.223 ms

Loss rate: 0.12%

Run 5: Report of LEDBAT — Data Link

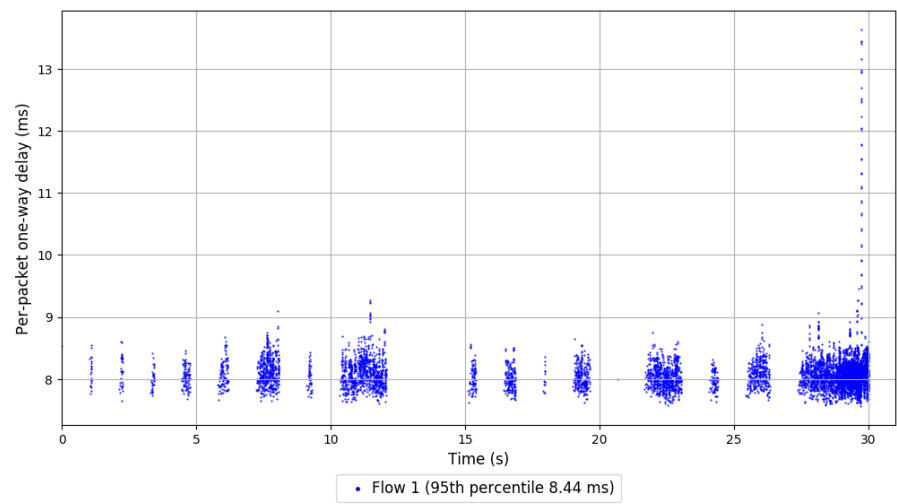
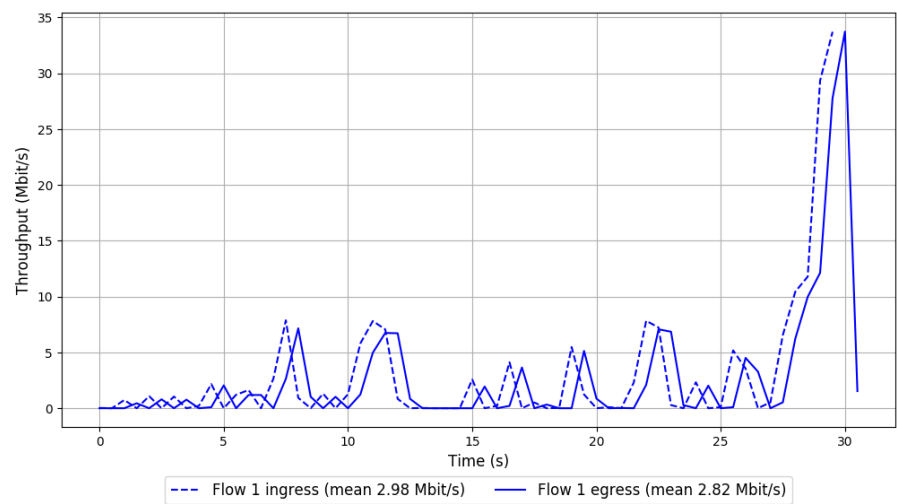


Run 6: Statistics of LEDBAT

Start at: 2018-06-29 14:30:30
End at: 2018-06-29 14:31:00
Local clock offset: 1.8 ms
Remote clock offset: -11.545 ms

Below is generated by plot.py at 2018-06-29 16:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 8.441 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 8.441 ms
Loss rate: 5.56%

Run 6: Report of LEDBAT — Data Link

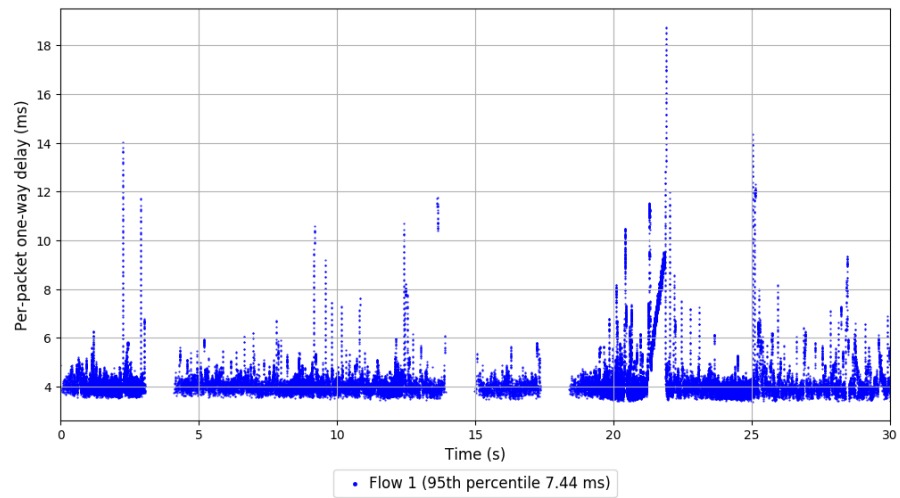
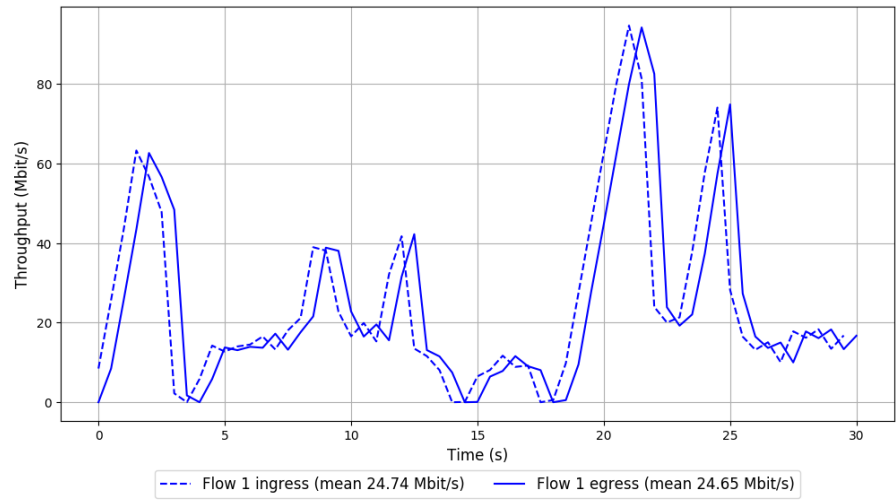


Run 7: Statistics of LEDBAT

Start at: 2018-06-29 14:49:44
End at: 2018-06-29 14:50:14
Local clock offset: 3.186 ms
Remote clock offset: -5.837 ms

Below is generated by plot.py at 2018-06-29 16:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 7.436 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 7.436 ms
Loss rate: 0.34%

Run 7: Report of LEDBAT — Data Link

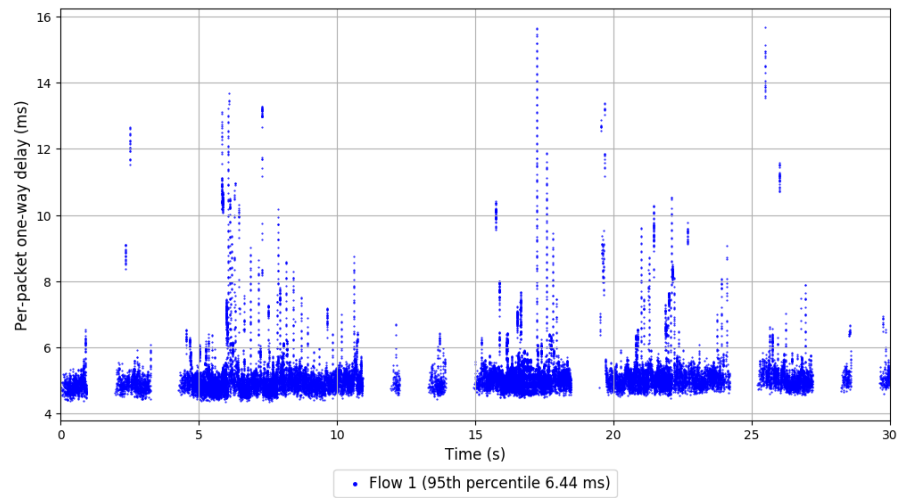
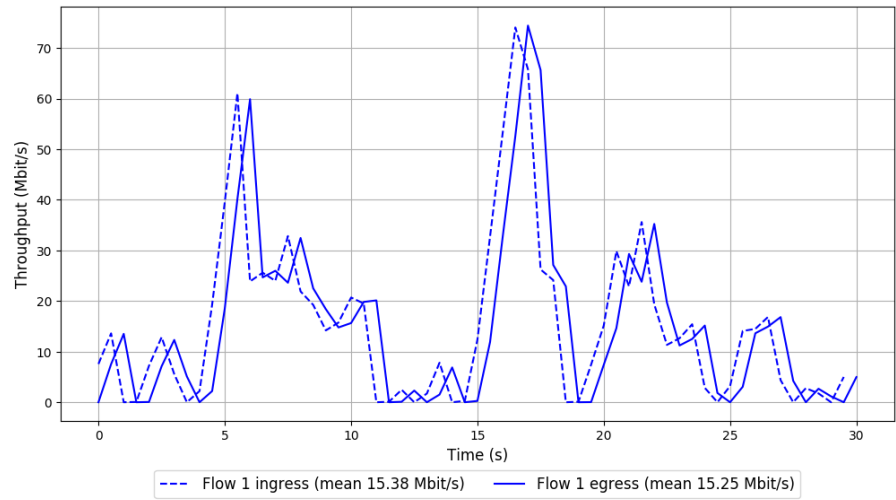


Run 8: Statistics of LEDBAT

Start at: 2018-06-29 15:09:19
End at: 2018-06-29 15:09:49
Local clock offset: 2.195 ms
Remote clock offset: -3.185 ms

Below is generated by plot.py at 2018-06-29 16:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 6.436 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 6.436 ms
Loss rate: 0.83%

Run 8: Report of LEDBAT — Data Link

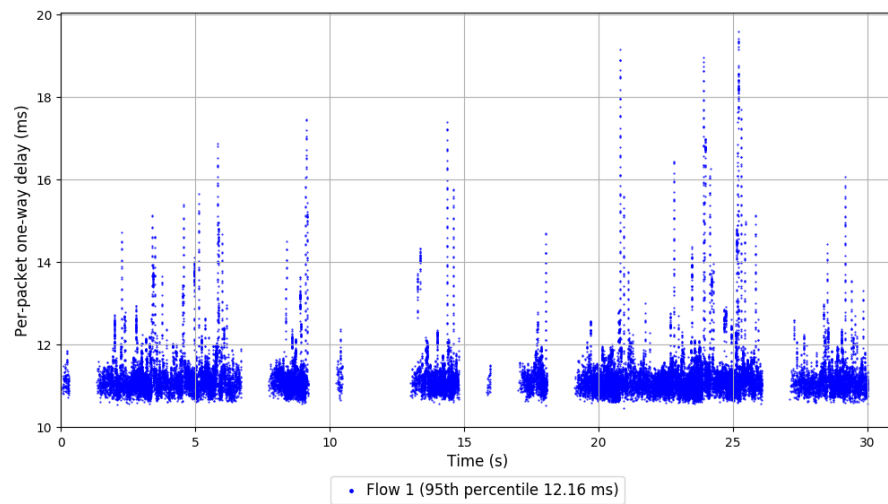
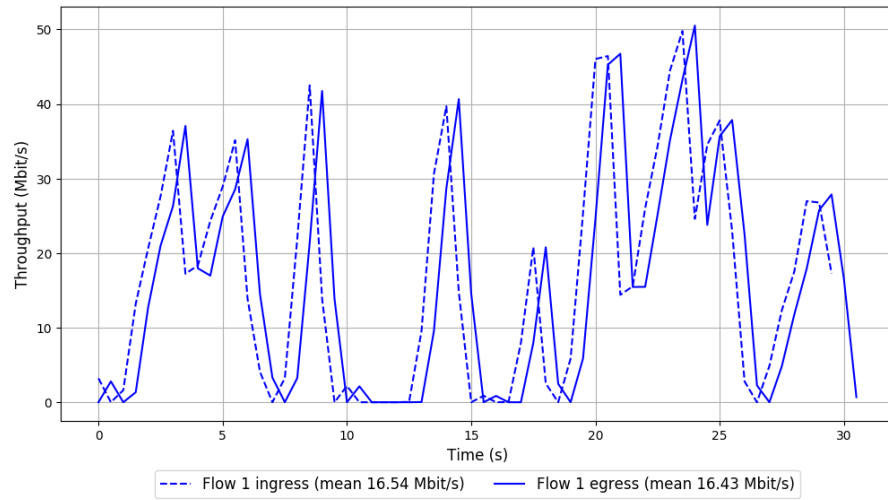


Run 9: Statistics of LEDBAT

Start at: 2018-06-29 15:28:55
End at: 2018-06-29 15:29:25
Local clock offset: -2.87 ms
Remote clock offset: -5.236 ms

Below is generated by plot.py at 2018-06-29 16:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 12.164 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 12.164 ms
Loss rate: 0.66%

Run 9: Report of LEDBAT — Data Link

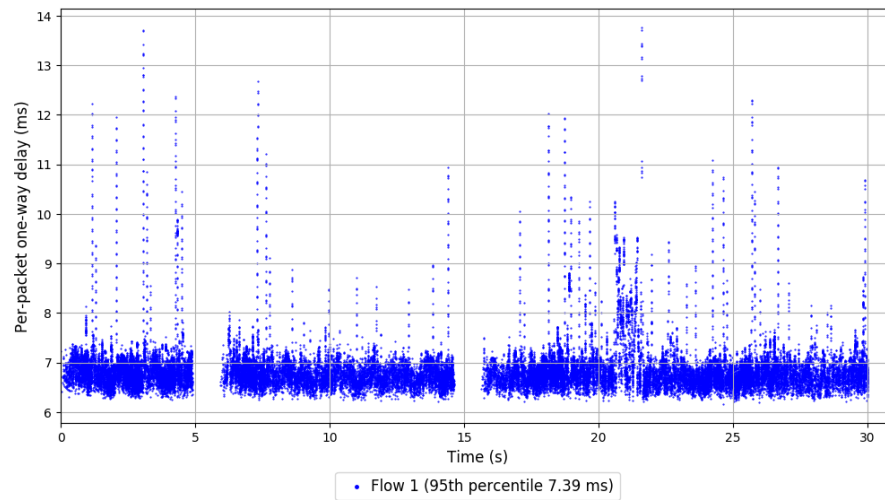
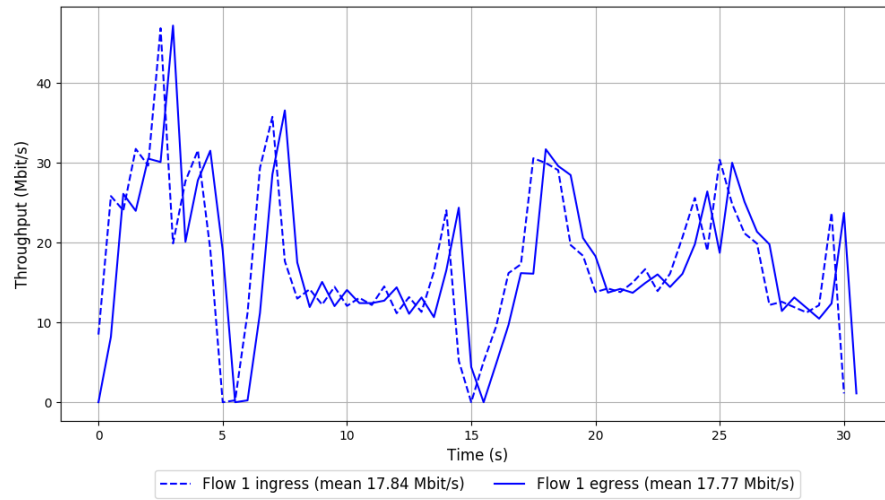


Run 10: Statistics of LEDBAT

Start at: 2018-06-29 15:48:27
End at: 2018-06-29 15:48:57
Local clock offset: 2.622 ms
Remote clock offset: -4.443 ms

Below is generated by plot.py at 2018-06-29 16:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 7.392 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 7.392 ms
Loss rate: 0.39%

Run 10: Report of LEDBAT — Data Link

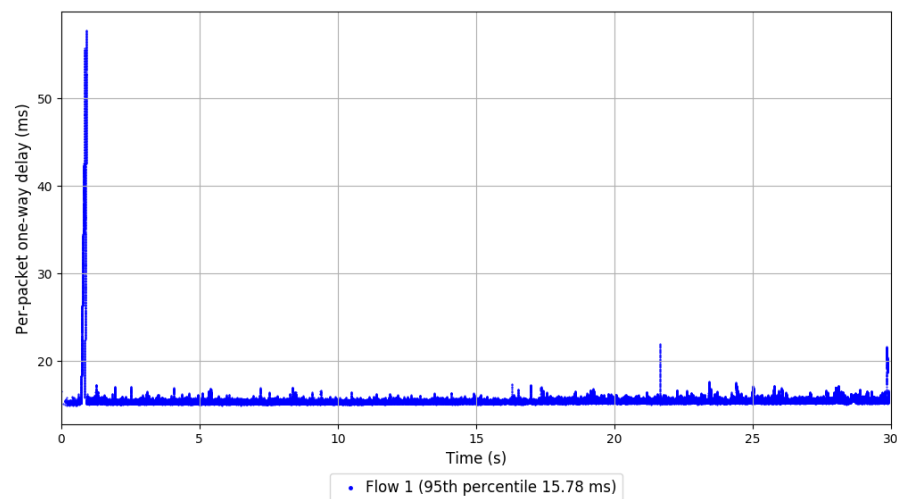
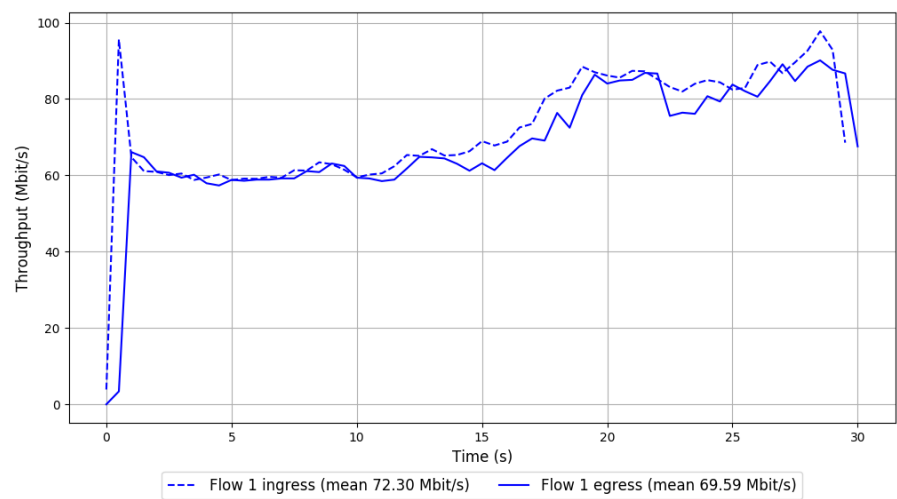


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 12:50:40
End at: 2018-06-29 12:51:10
Local clock offset: 2.054 ms
Remote clock offset: 2.172 ms

# Below is generated by plot.py at 2018-06-29 16:11:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 15.784 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 15.784 ms
Loss rate: 3.76%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 13:09:48

End at: 2018-06-29 13:10:18

Local clock offset: 3.694 ms

Remote clock offset: -4.969 ms

Below is generated by plot.py at 2018-06-29 16:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.78 Mbit/s

95th percentile per-packet one-way delay: 6.758 ms

Loss rate: 10.00%

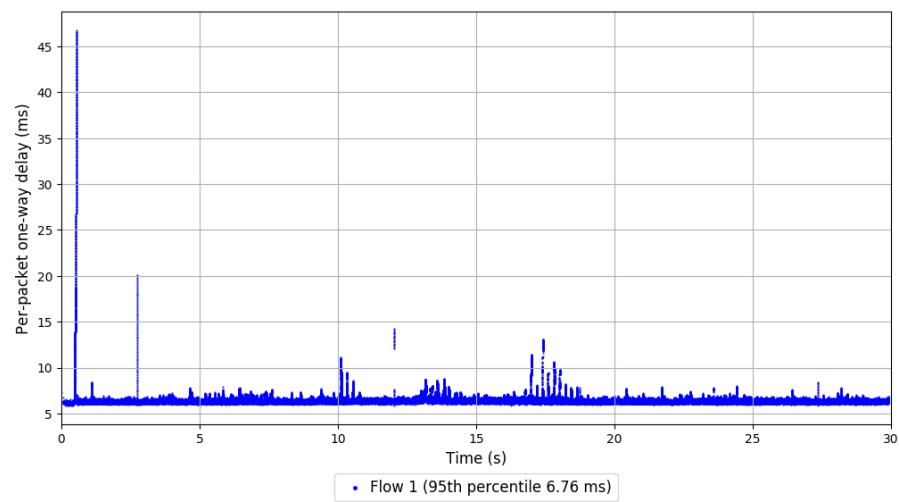
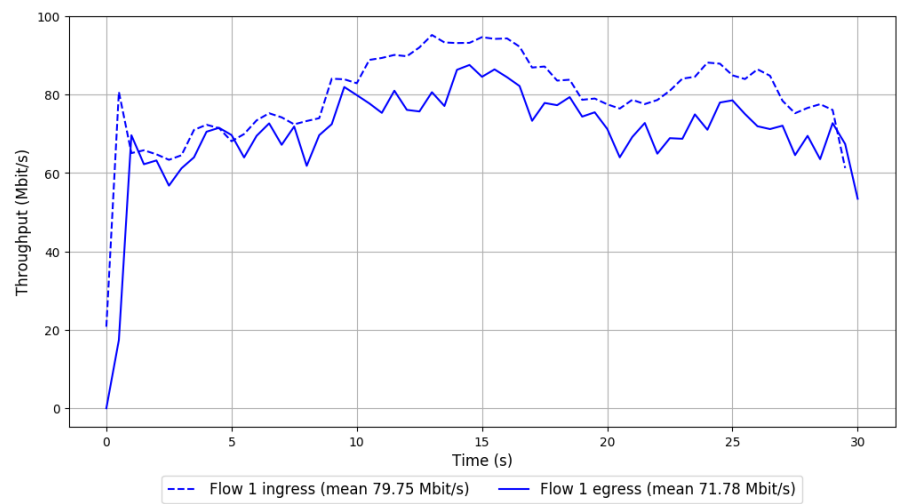
-- Flow 1:

Average throughput: 71.78 Mbit/s

95th percentile per-packet one-way delay: 6.758 ms

Loss rate: 10.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 13:29:13

End at: 2018-06-29 13:29:43

Local clock offset: 1.32 ms

Remote clock offset: -9.24 ms

Below is generated by plot.py at 2018-06-29 16:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.60 Mbit/s

95th percentile per-packet one-way delay: 4.508 ms

Loss rate: 2.93%

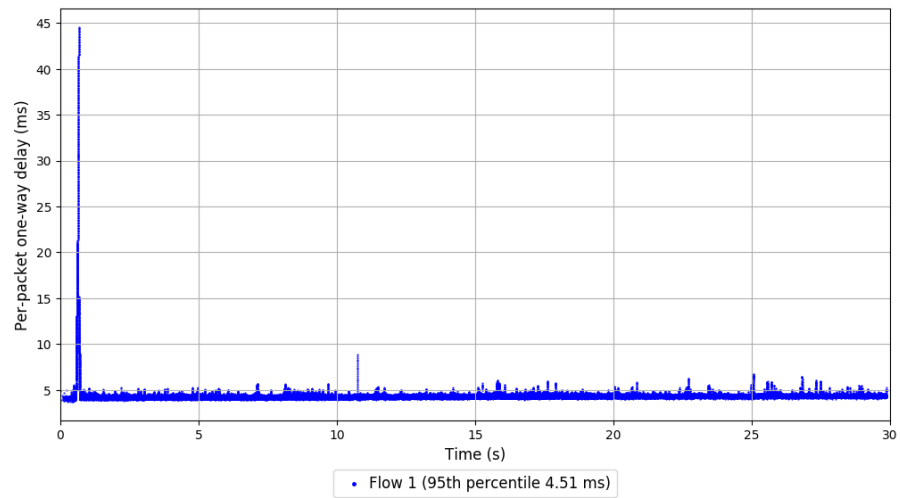
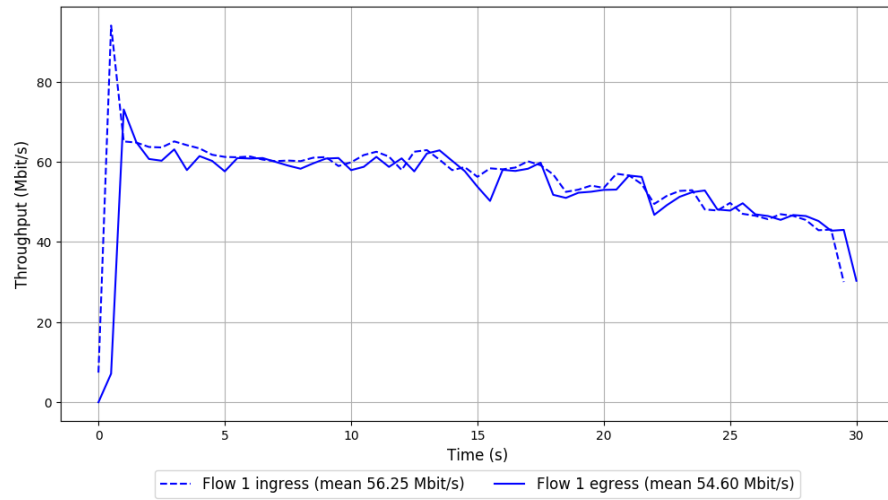
-- Flow 1:

Average throughput: 54.60 Mbit/s

95th percentile per-packet one-way delay: 4.508 ms

Loss rate: 2.93%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 13:48:23

End at: 2018-06-29 13:48:53

Local clock offset: -0.416 ms

Remote clock offset: -13.22 ms

Below is generated by plot.py at 2018-06-29 16:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 8.681 ms

Loss rate: 1.08%

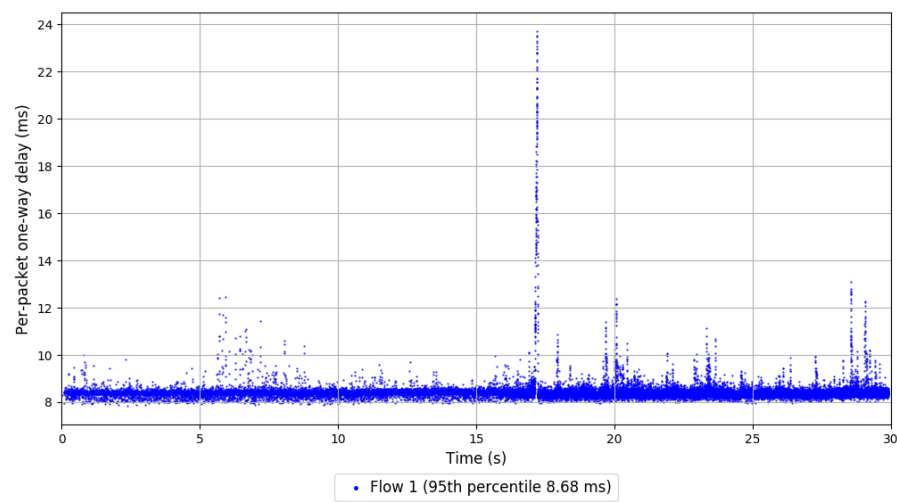
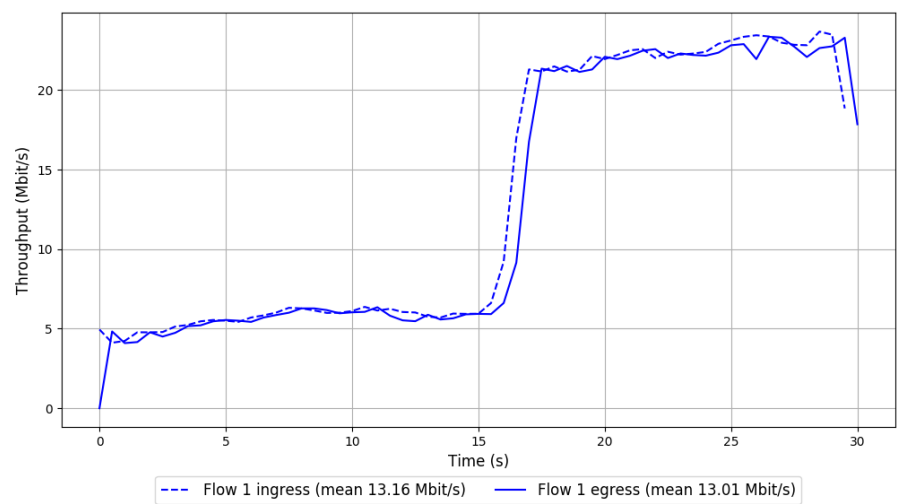
-- Flow 1:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 8.681 ms

Loss rate: 1.08%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 14:07:36

End at: 2018-06-29 14:08:06

Local clock offset: -0.911 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-06-29 16:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 22.588 ms

Loss rate: 4.61%

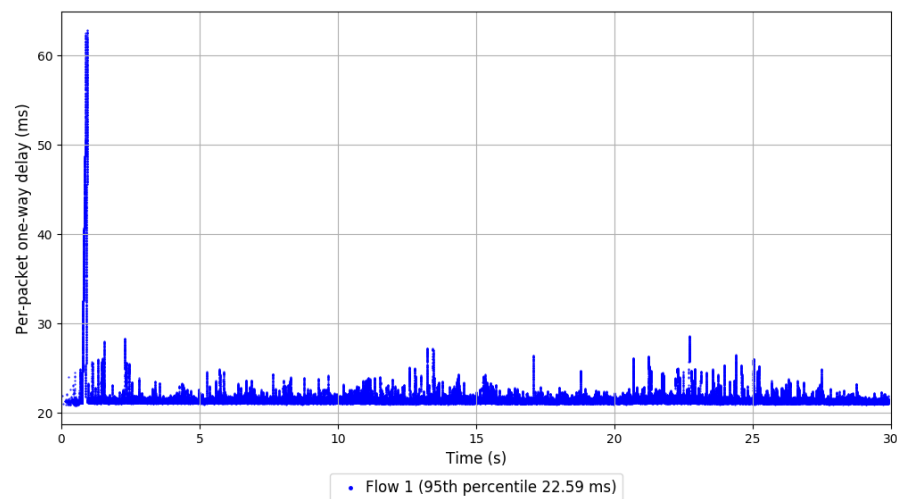
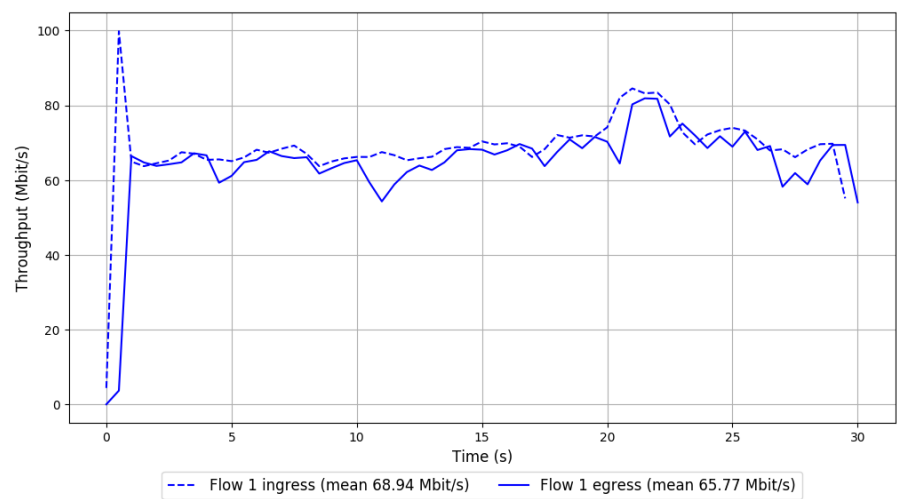
-- Flow 1:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 22.588 ms

Loss rate: 4.61%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 14:27:06

End at: 2018-06-29 14:27:36

Local clock offset: 1.443 ms

Remote clock offset: -11.578 ms

Below is generated by plot.py at 2018-06-29 16:11:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 7.632 ms

Loss rate: 7.38%

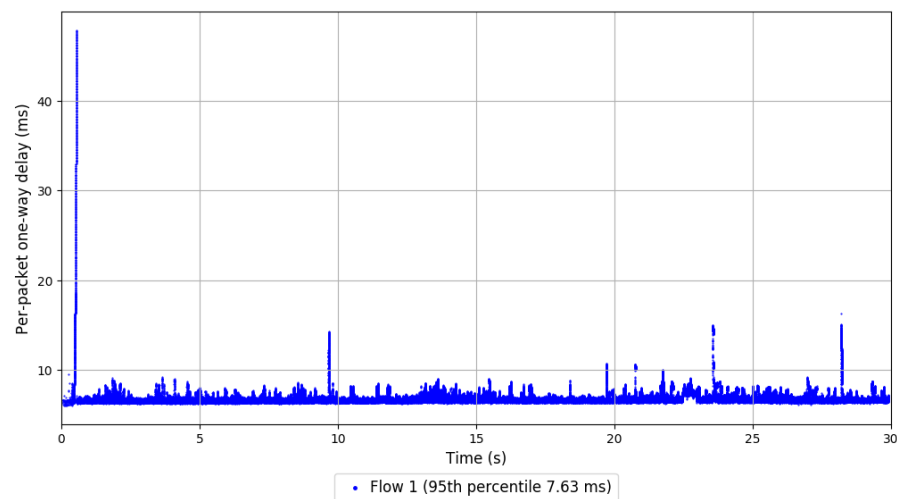
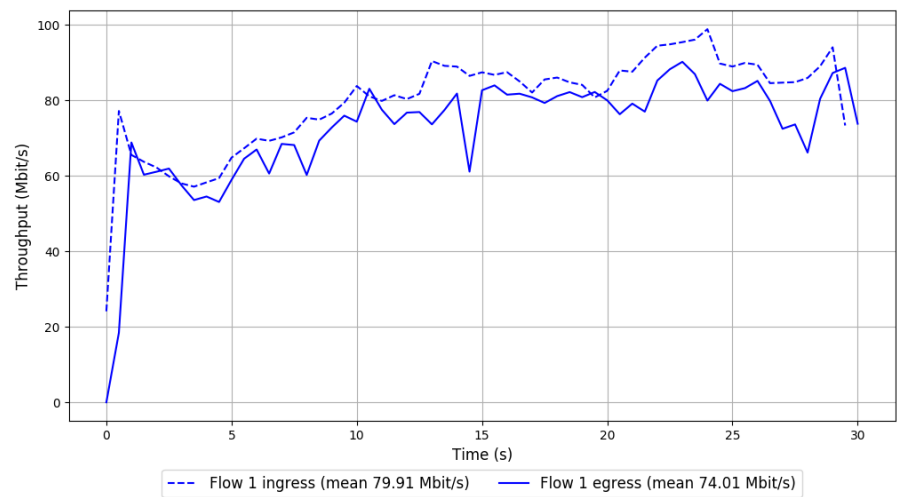
-- Flow 1:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 7.632 ms

Loss rate: 7.38%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 14:46:16

End at: 2018-06-29 14:46:46

Local clock offset: 3.138 ms

Remote clock offset: -6.657 ms

Below is generated by plot.py at 2018-06-29 16:11:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 5.776 ms

Loss rate: 10.55%

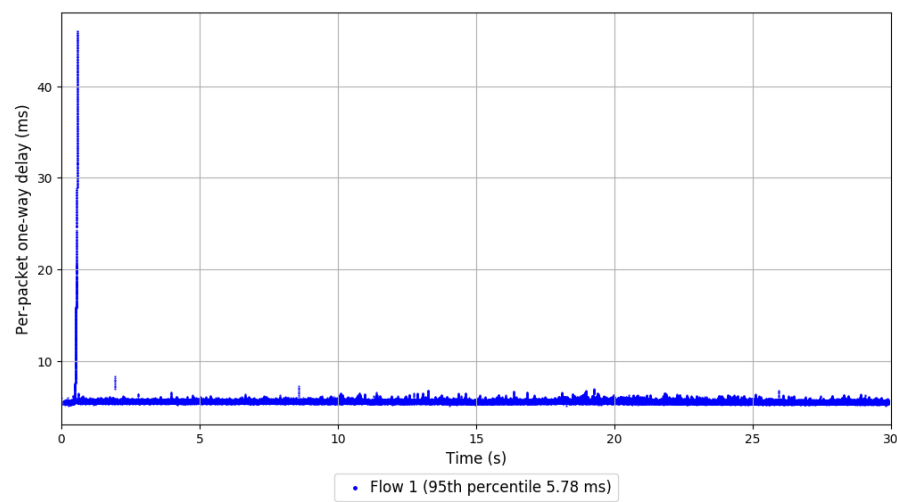
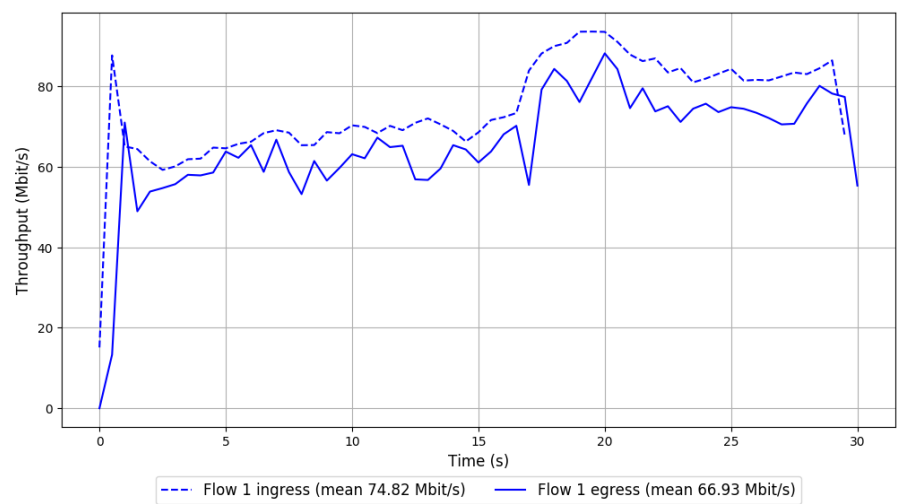
-- Flow 1:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 5.776 ms

Loss rate: 10.55%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 15:05:45

End at: 2018-06-29 15:06:15

Local clock offset: 1.938 ms

Remote clock offset: -2.993 ms

Below is generated by plot.py at 2018-06-29 16:11:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.99 Mbit/s

95th percentile per-packet one-way delay: 5.682 ms

Loss rate: 11.21%

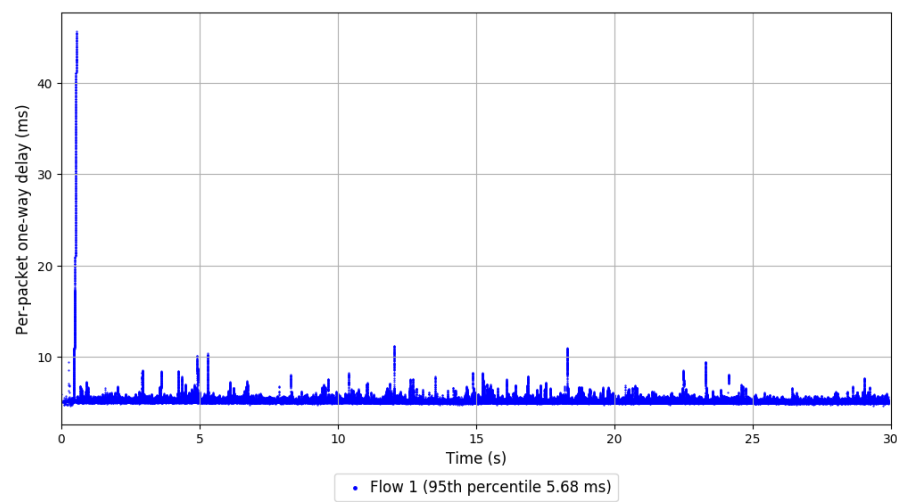
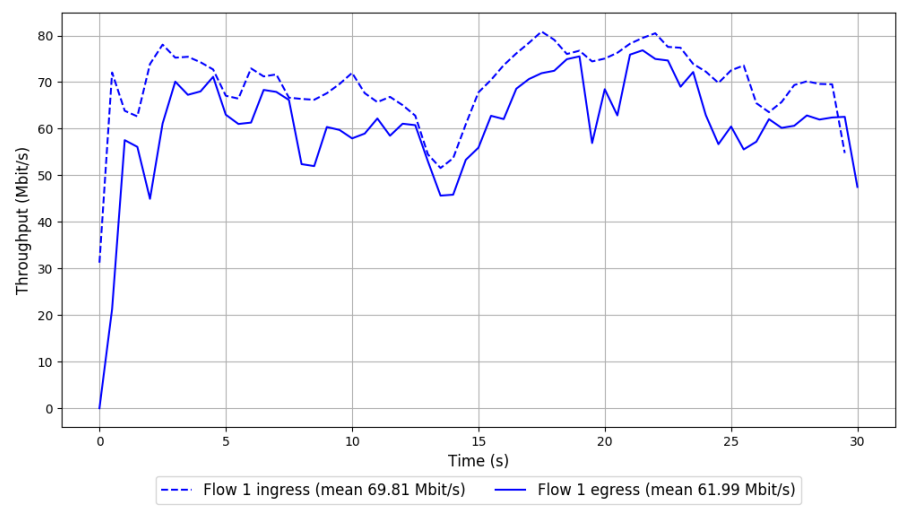
-- Flow 1:

Average throughput: 61.99 Mbit/s

95th percentile per-packet one-way delay: 5.682 ms

Loss rate: 11.21%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-29 15:25:20

End at: 2018-06-29 15:25:50

Local clock offset: 0.278 ms

Remote clock offset: -5.441 ms

Below is generated by plot.py at 2018-06-29 16:11:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 8.201 ms

Loss rate: 9.11%

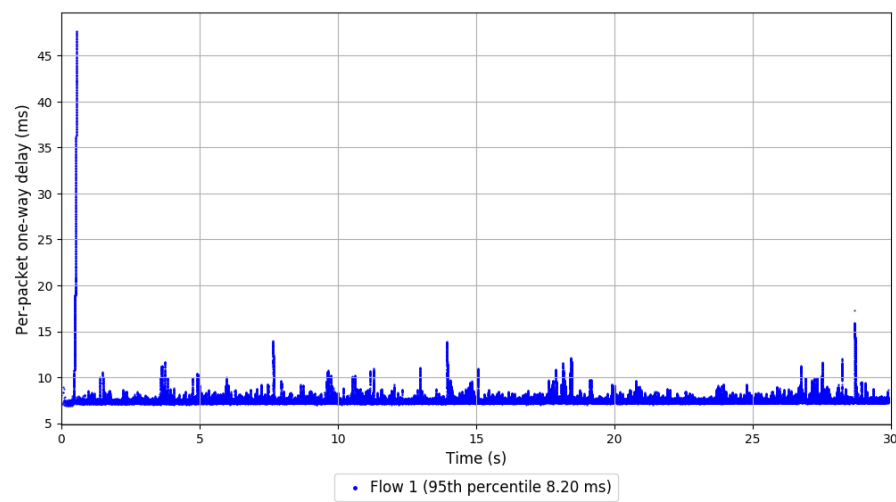
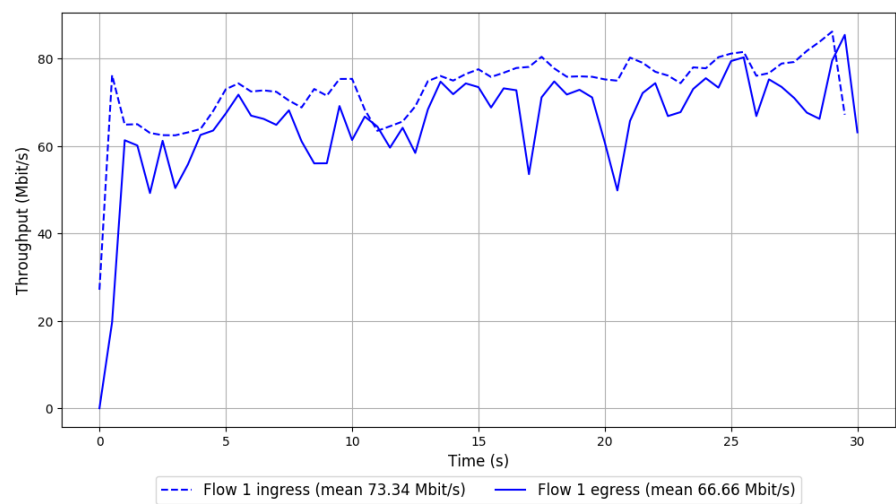
-- Flow 1:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 8.201 ms

Loss rate: 9.11%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-29 15:44:53

End at: 2018-06-29 15:45:23

Local clock offset: -2.58 ms

Remote clock offset: -3.904 ms

Below is generated by plot.py at 2018-06-29 16:11:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.98 Mbit/s

95th percentile per-packet one-way delay: 13.276 ms

Loss rate: 7.84%

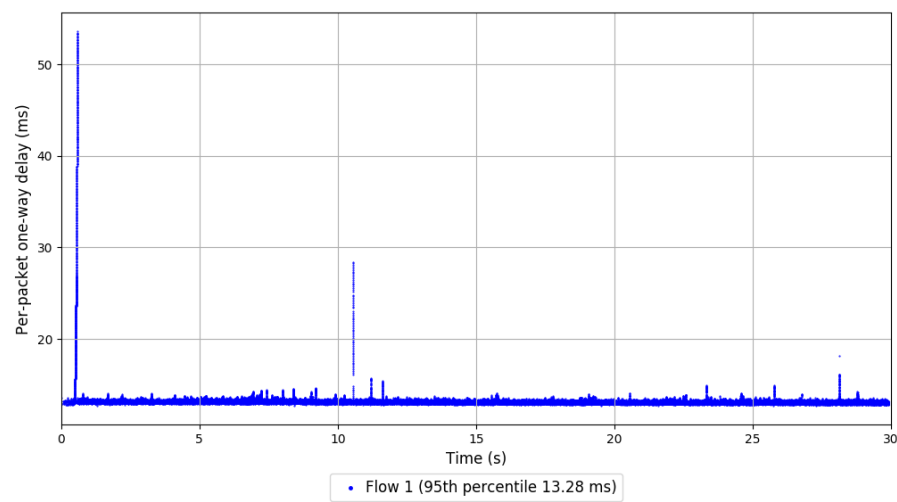
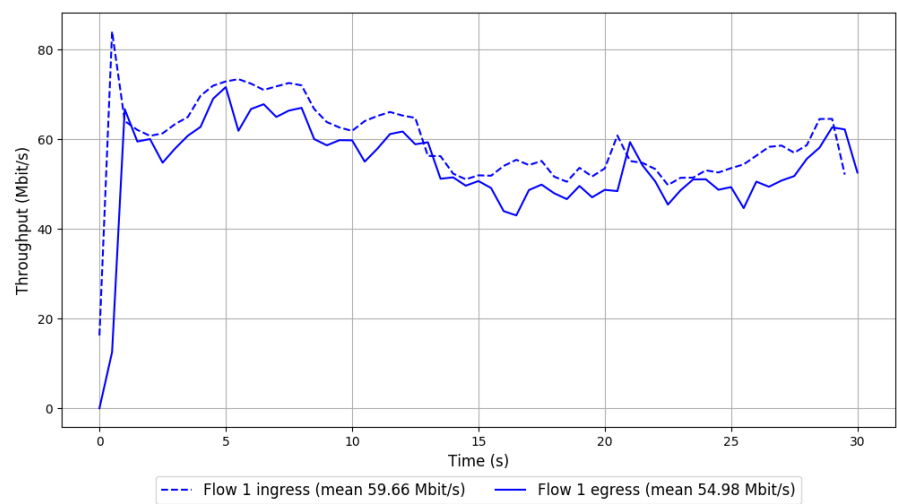
-- Flow 1:

Average throughput: 54.98 Mbit/s

95th percentile per-packet one-way delay: 13.276 ms

Loss rate: 7.84%

Run 10: Report of PCC-Allegro — Data Link

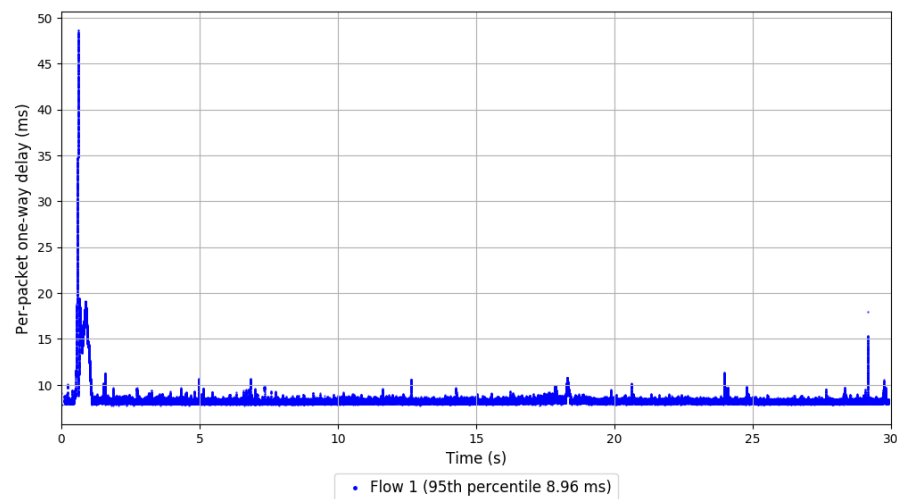
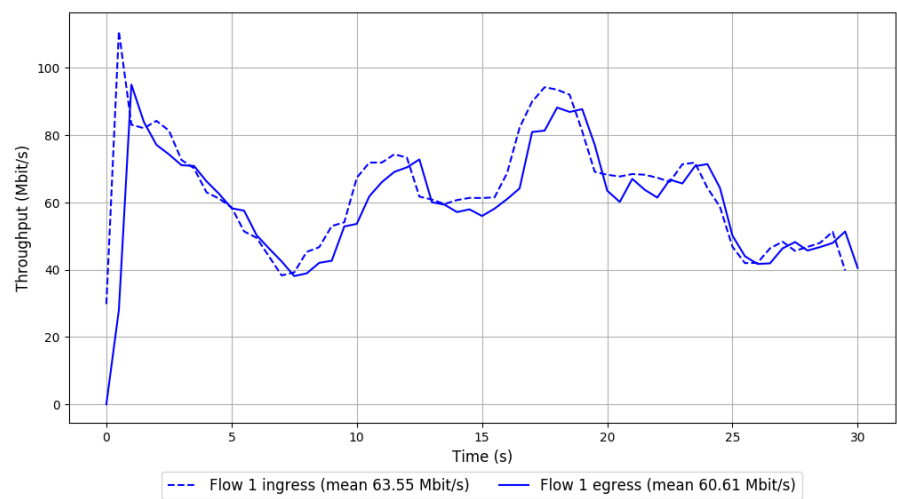


Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 12:51:48
End at: 2018-06-29 12:52:18
Local clock offset: -0.408 ms
Remote clock offset: -7.644 ms

Below is generated by plot.py at 2018-06-29 16:12:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 8.956 ms
Loss rate: 4.64%
-- Flow 1:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 8.956 ms
Loss rate: 4.64%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 13:10:54

End at: 2018-06-29 13:11:24

Local clock offset: 2.094 ms

Remote clock offset: -5.8 ms

Below is generated by plot.py at 2018-06-29 16:13:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 8.734 ms

Loss rate: 8.15%

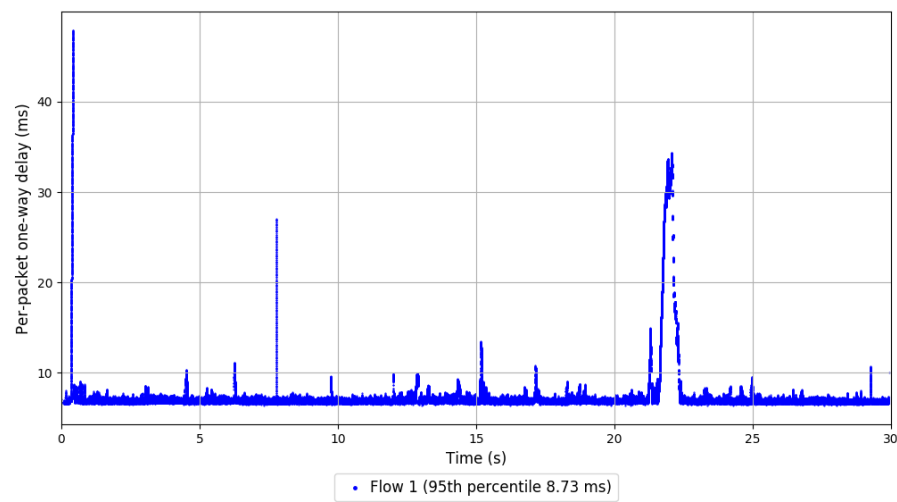
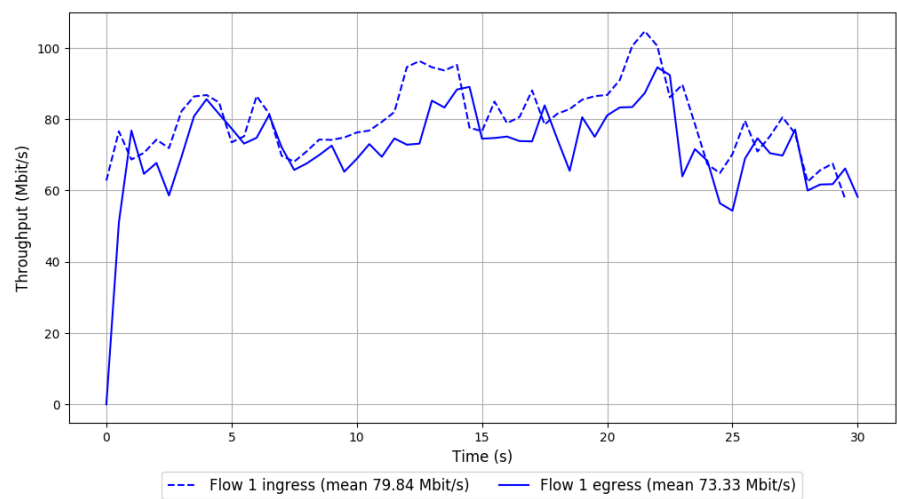
-- Flow 1:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 8.734 ms

Loss rate: 8.15%

Run 2: Report of PCC-Expr — Data Link

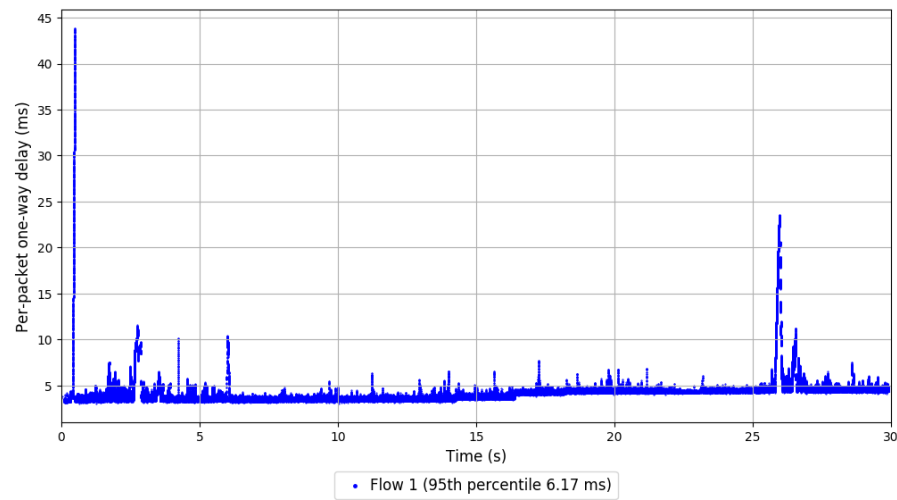
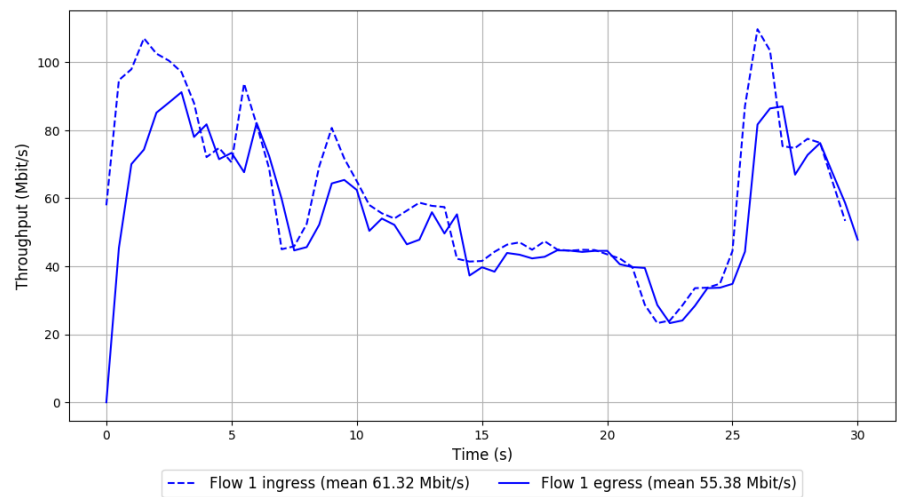


Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 13:30:20
End at: 2018-06-29 13:30:50
Local clock offset: -1.981 ms
Remote clock offset: -13.904 ms

Below is generated by plot.py at 2018-06-29 16:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 6.167 ms
Loss rate: 9.69%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 6.167 ms
Loss rate: 9.69%

Run 3: Report of PCC-Expr — Data Link

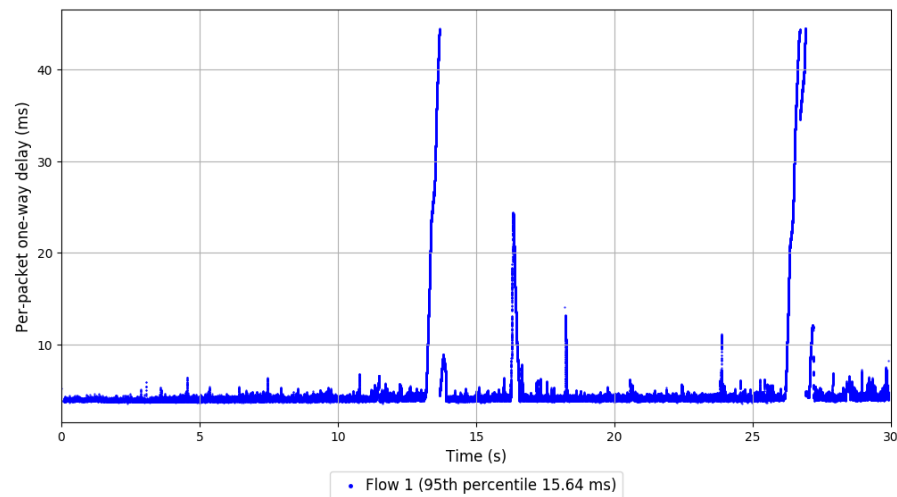
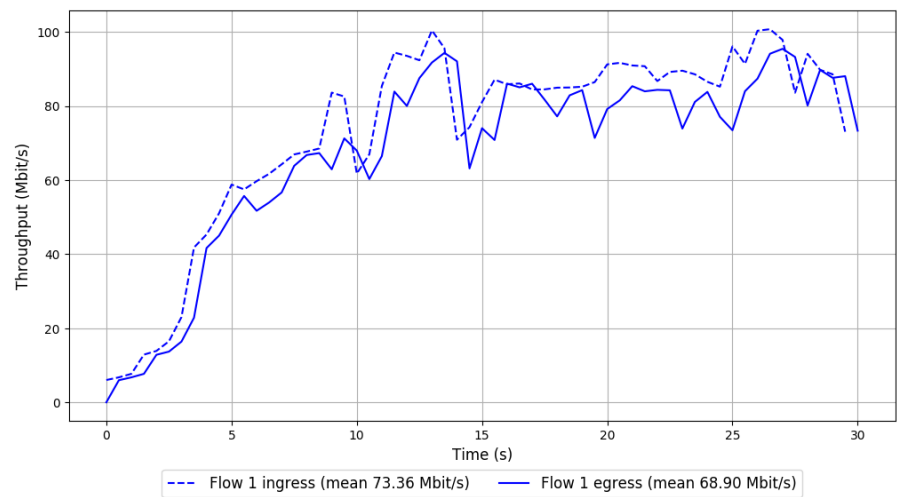


Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 13:49:28
End at: 2018-06-29 13:49:58
Local clock offset: 3.409 ms
Remote clock offset: -13.943 ms

Below is generated by plot.py at 2018-06-29 16:13:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 15.640 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 15.640 ms
Loss rate: 6.08%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 14:08:45

End at: 2018-06-29 14:09:15

Local clock offset: 1.779 ms

Remote clock offset: 3.901 ms

Below is generated by plot.py at 2018-06-29 16:13:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.88 Mbit/s

95th percentile per-packet one-way delay: 22.979 ms

Loss rate: 2.64%

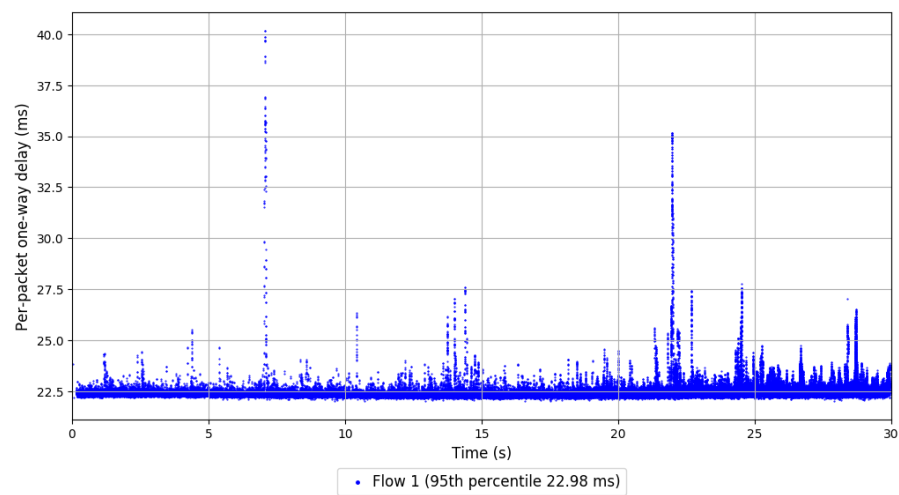
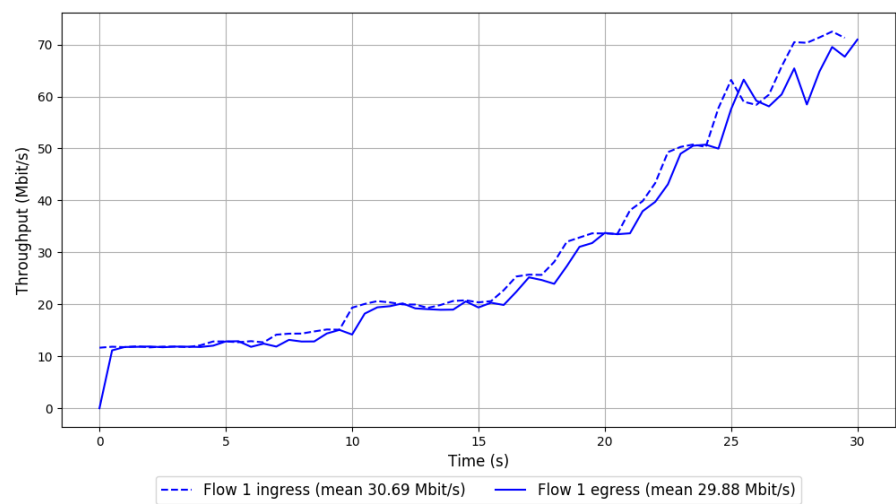
-- Flow 1:

Average throughput: 29.88 Mbit/s

95th percentile per-packet one-way delay: 22.979 ms

Loss rate: 2.64%

Run 5: Report of PCC-Expr — Data Link

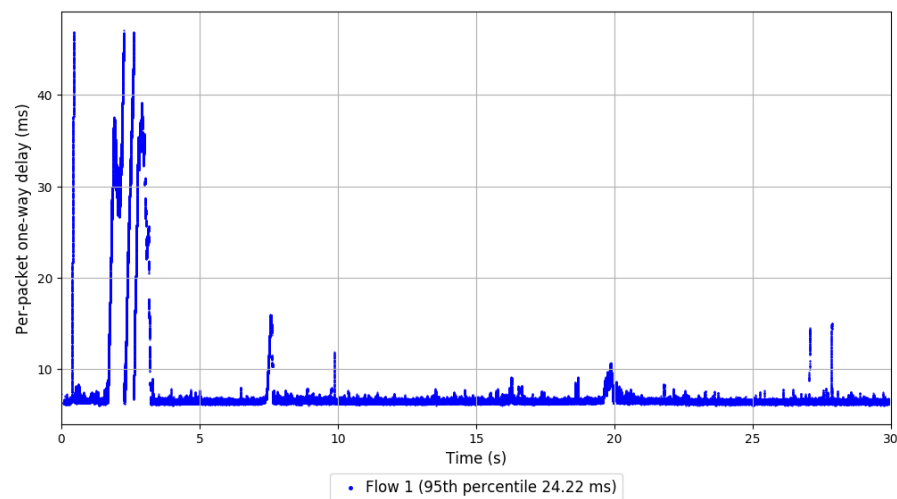
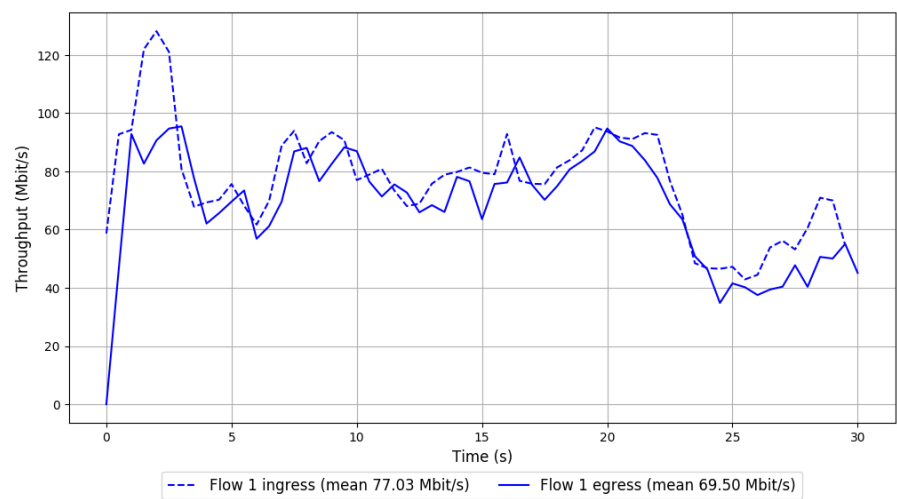


Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 14:28:13
End at: 2018-06-29 14:28:43
Local clock offset: 3.724 ms
Remote clock offset: -11.006 ms

Below is generated by plot.py at 2018-06-29 16:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 9.78%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 9.78%

Run 6: Report of PCC-Expr — Data Link

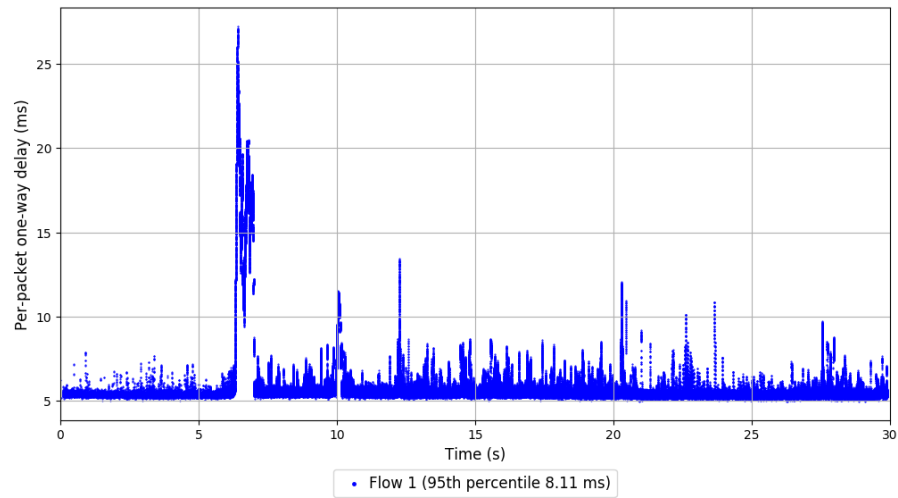
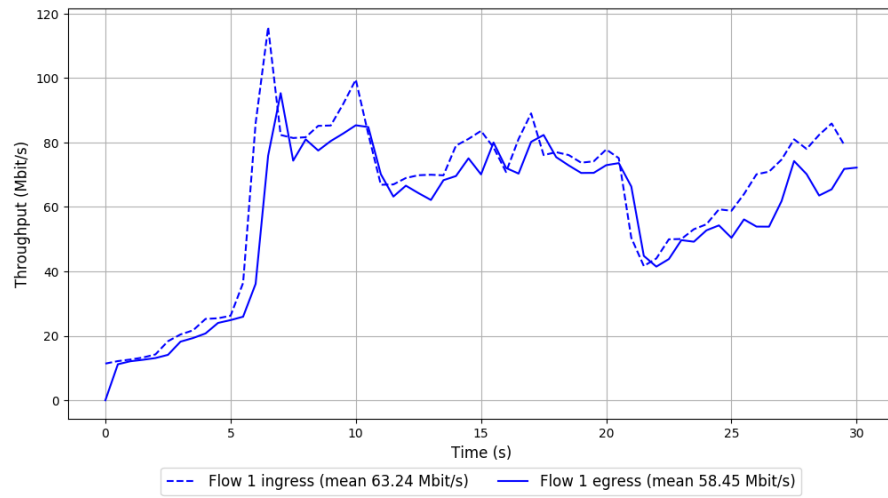


Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 14:47:24
End at: 2018-06-29 14:47:54
Local clock offset: 2.737 ms
Remote clock offset: -5.259 ms

Below is generated by plot.py at 2018-06-29 16:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 8.106 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 8.106 ms
Loss rate: 7.58%

Run 7: Report of PCC-Expr — Data Link

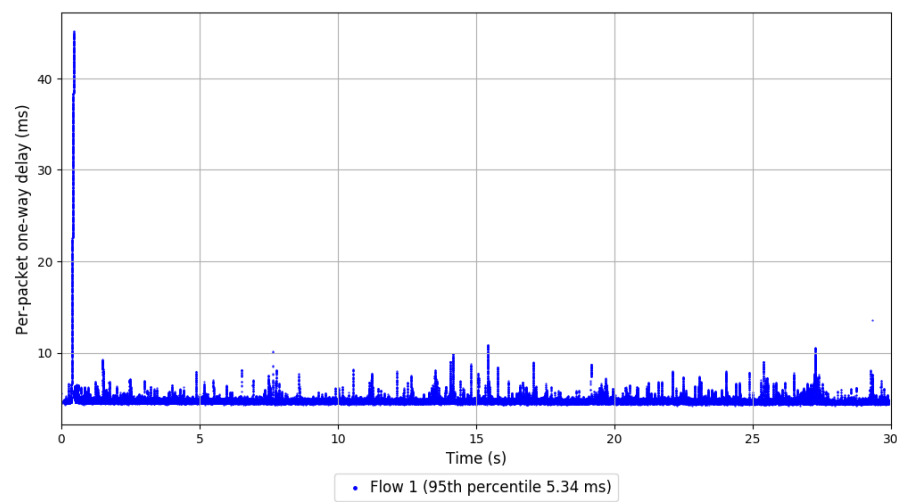
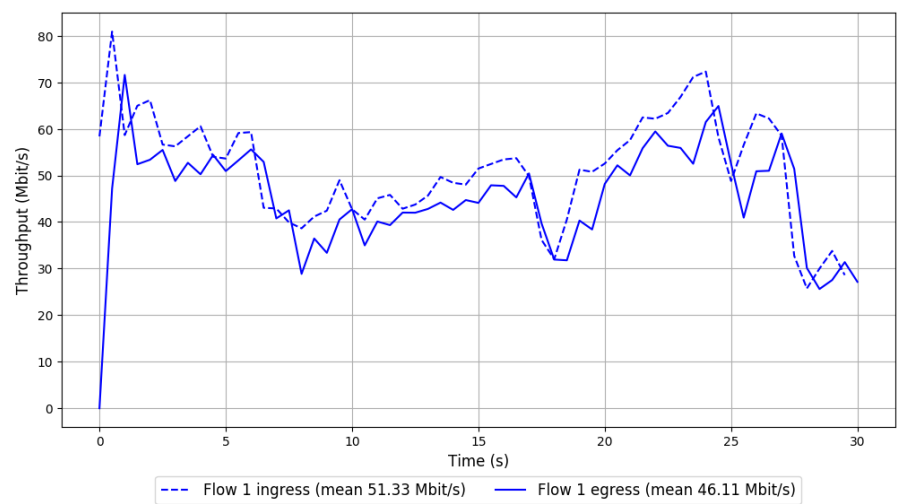


Run 8: Statistics of PCC-Expr

Start at: 2018-06-29 15:06:53
End at: 2018-06-29 15:07:23
Local clock offset: 2.567 ms
Remote clock offset: -2.652 ms

Below is generated by plot.py at 2018-06-29 16:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 10.16%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 10.16%

Run 8: Report of PCC-Expr — Data Link

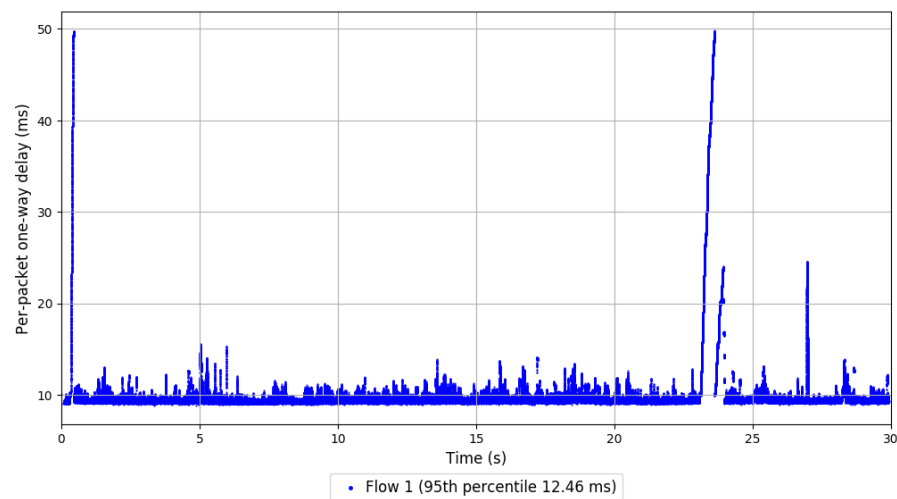
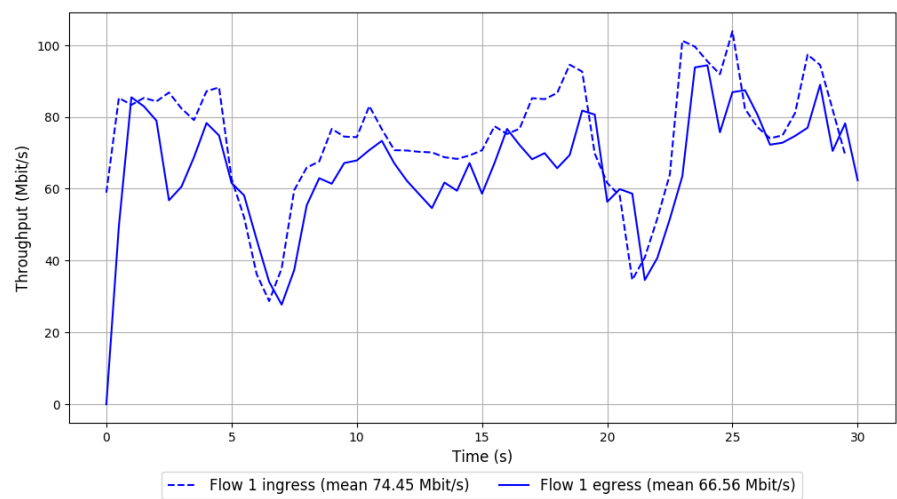


Run 9: Statistics of PCC-Expr

Start at: 2018-06-29 15:26:28
End at: 2018-06-29 15:26:58
Local clock offset: -1.233 ms
Remote clock offset: -5.084 ms

Below is generated by plot.py at 2018-06-29 16:13:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 10.60%
-- Flow 1:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 10.60%

Run 9: Report of PCC-Expr — Data Link

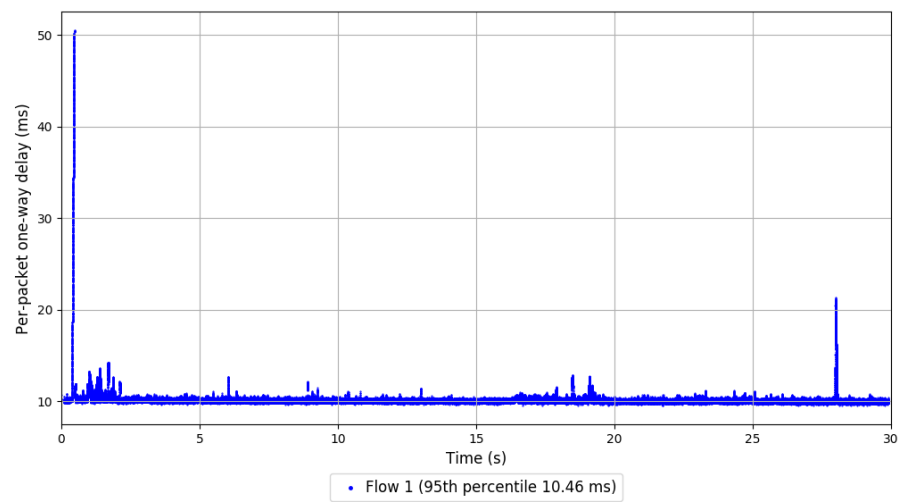
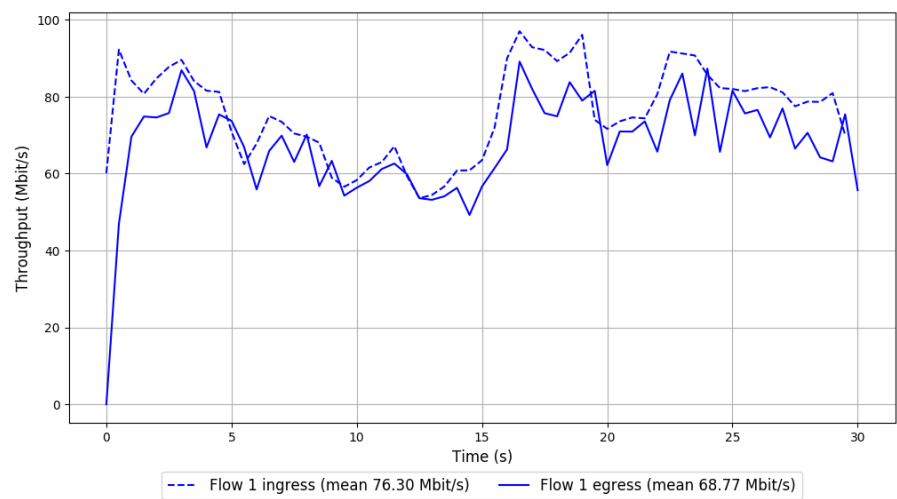


Run 10: Statistics of PCC-Expr

Start at: 2018-06-29 15:46:00
End at: 2018-06-29 15:46:30
Local clock offset: -0.261 ms
Remote clock offset: -4.382 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 10.455 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 10.455 ms
Loss rate: 9.87%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 13:02:02

End at: 2018-06-29 13:02:32

Local clock offset: 1.876 ms

Remote clock offset: -7.5 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 7.223 ms

Loss rate: 0.96%

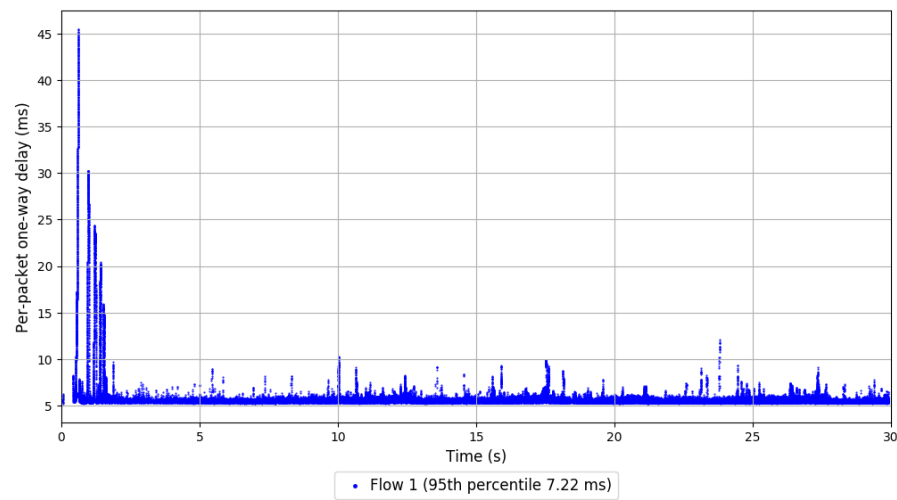
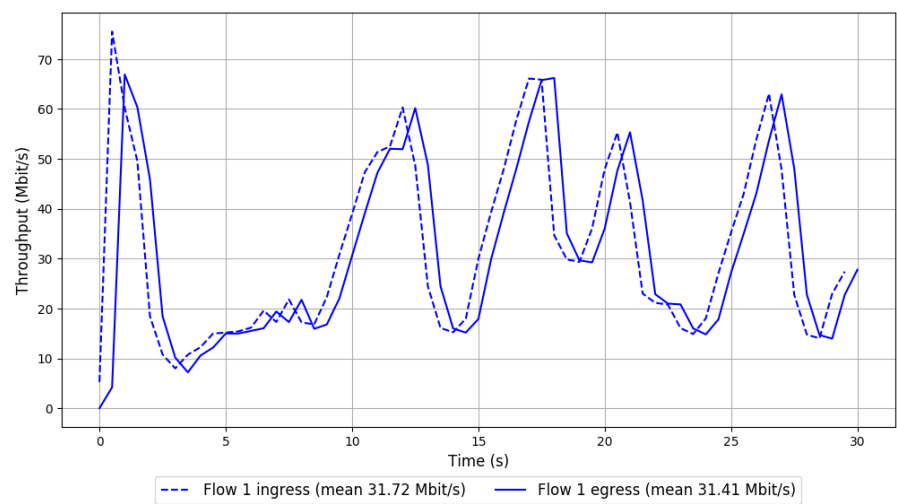
-- Flow 1:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 7.223 ms

Loss rate: 0.96%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 13:21:19

End at: 2018-06-29 13:21:49

Local clock offset: 2.314 ms

Remote clock offset: -5.589 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.38 Mbit/s

95th percentile per-packet one-way delay: 7.494 ms

Loss rate: 1.54%

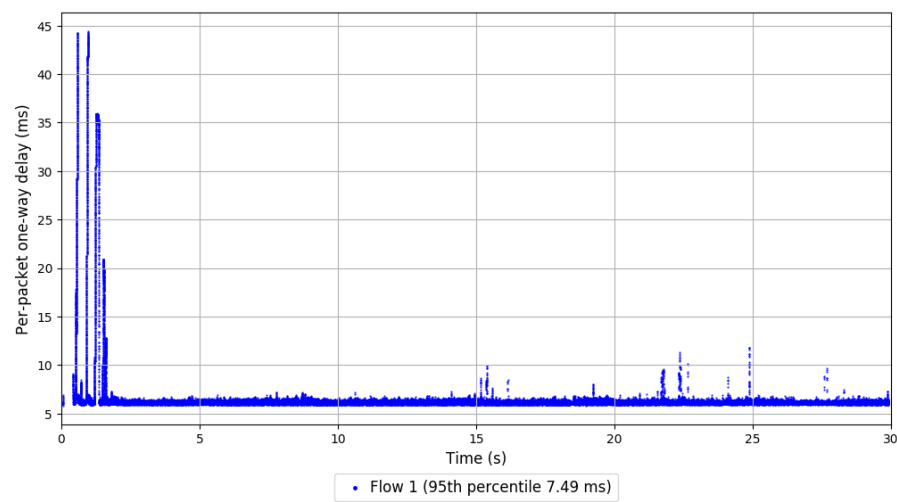
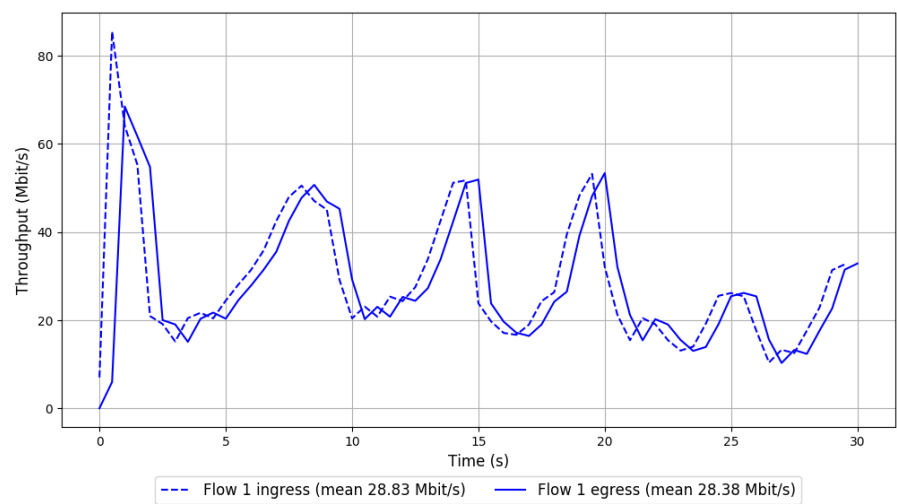
-- Flow 1:

Average throughput: 28.38 Mbit/s

95th percentile per-packet one-way delay: 7.494 ms

Loss rate: 1.54%

Run 2: Report of QUIC Cubic — Data Link

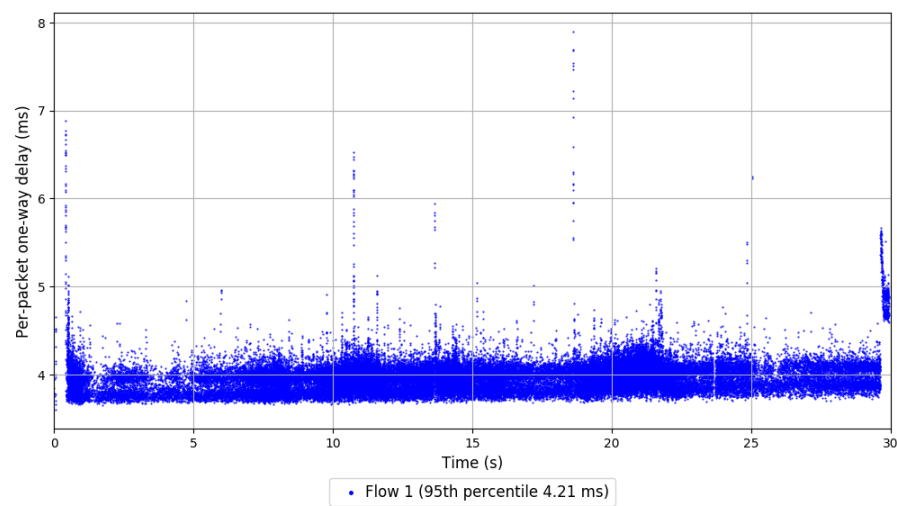
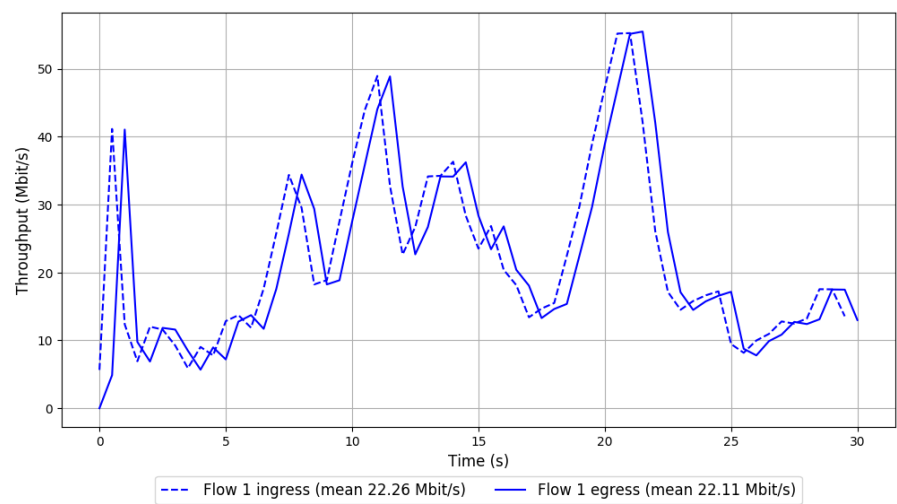


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 13:40:37
End at: 2018-06-29 13:41:07
Local clock offset: 1.463 ms
Remote clock offset: -15.098 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.71%

Run 3: Report of QUIC Cubic — Data Link

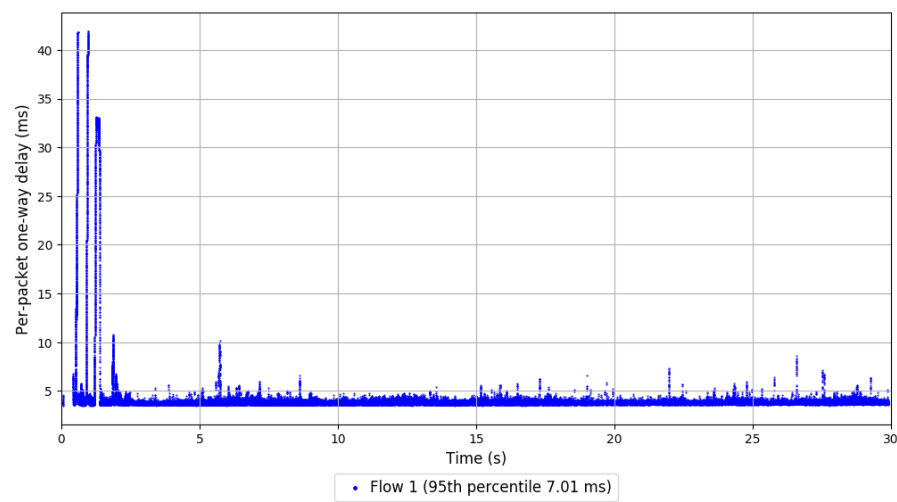
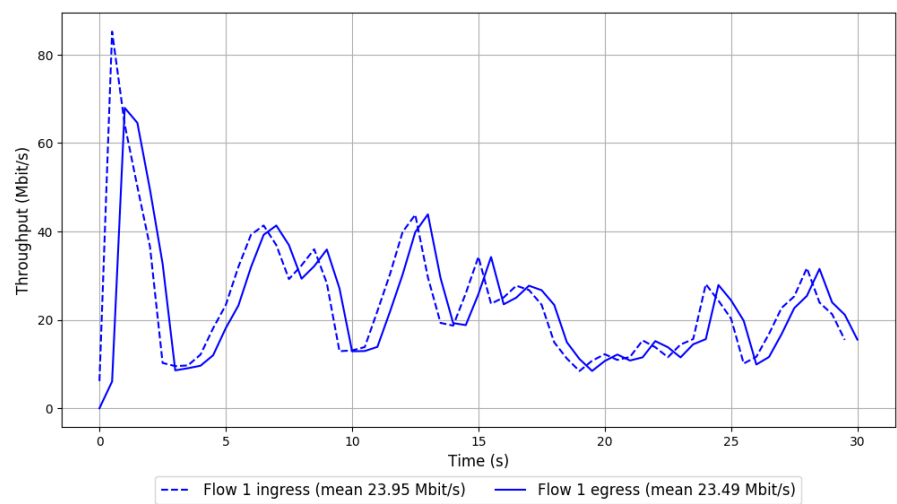


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 13:59:46
End at: 2018-06-29 14:00:16
Local clock offset: 3.232 ms
Remote clock offset: -15.638 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 1.94%

Run 4: Report of QUIC Cubic — Data Link

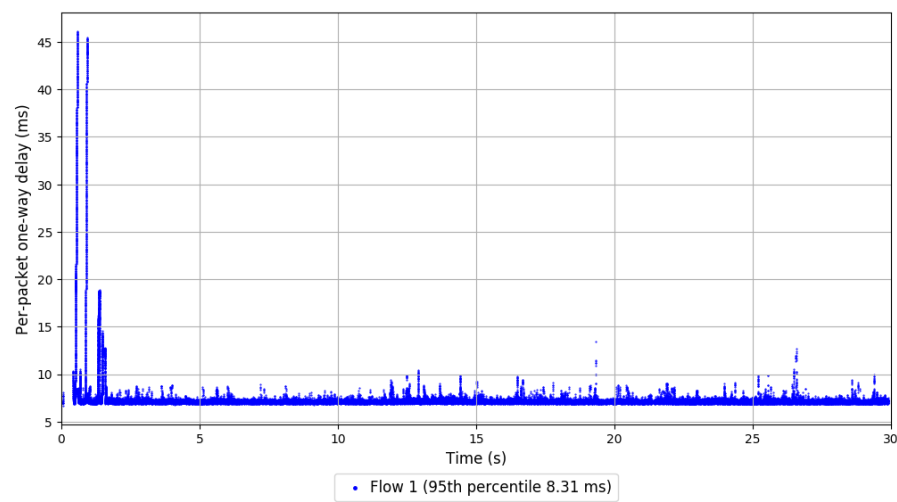
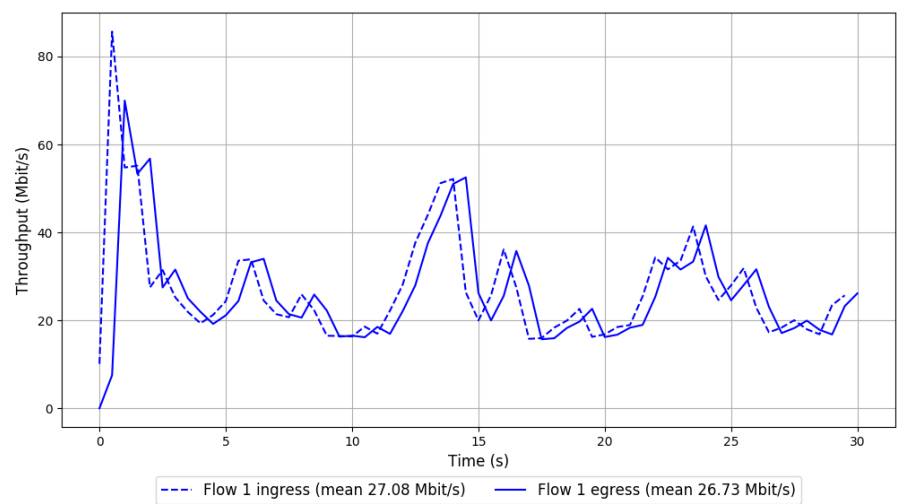


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 14:19:09
End at: 2018-06-29 14:19:39
Local clock offset: -0.345 ms
Remote clock offset: -12.319 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 8.312 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 8.312 ms
Loss rate: 1.31%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 14:38:24

End at: 2018-06-29 14:38:54

Local clock offset: 3.811 ms

Remote clock offset: -9.691 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 13.765 ms

Loss rate: 0.91%

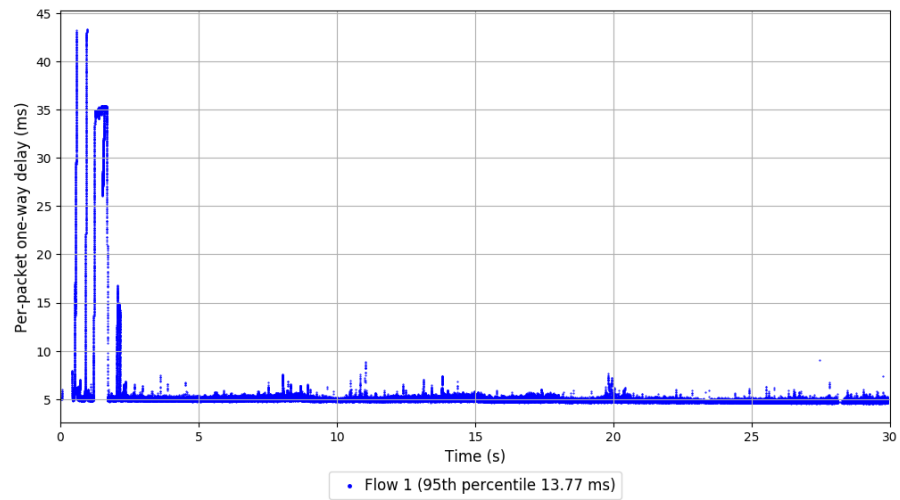
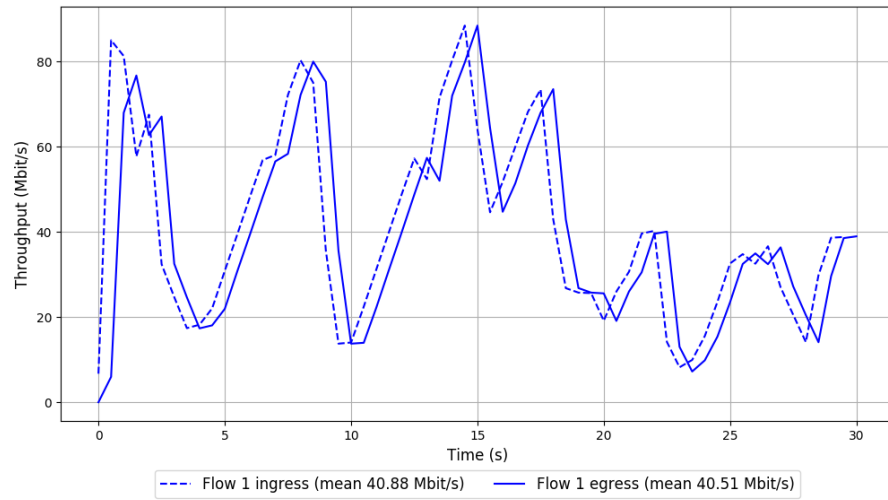
-- Flow 1:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 13.765 ms

Loss rate: 0.91%

Run 6: Report of QUIC Cubic — Data Link

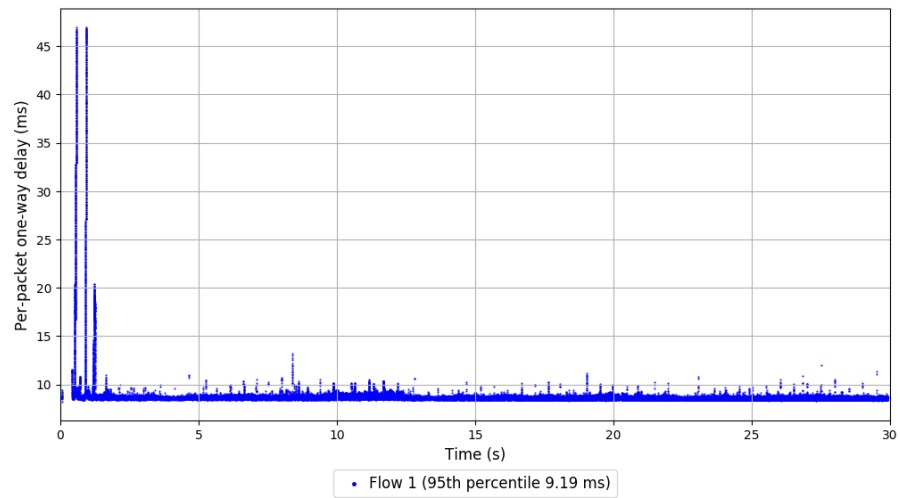
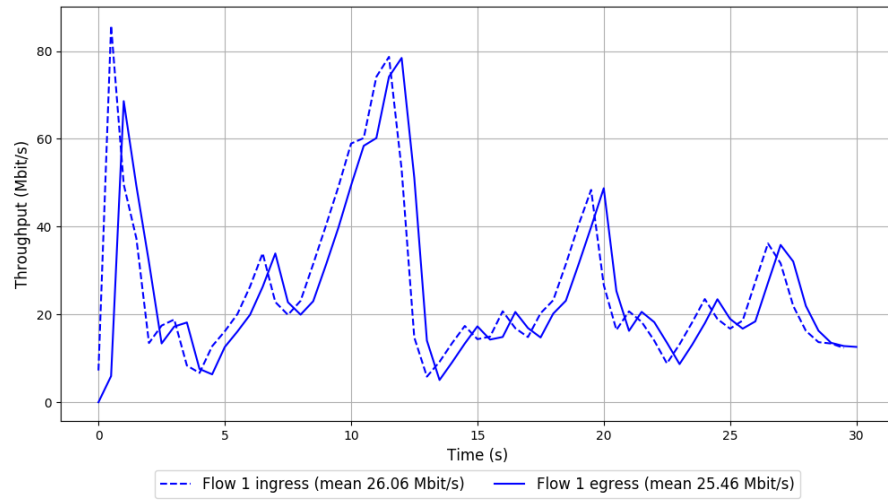


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 14:57:40
End at: 2018-06-29 14:58:10
Local clock offset: 0.477 ms
Remote clock offset: -3.573 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 2.31%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-29 15:17:27

End at: 2018-06-29 15:17:57

Local clock offset: 2.274 ms

Remote clock offset: -4.706 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.56 Mbit/s

95th percentile per-packet one-way delay: 7.002 ms

Loss rate: 1.05%

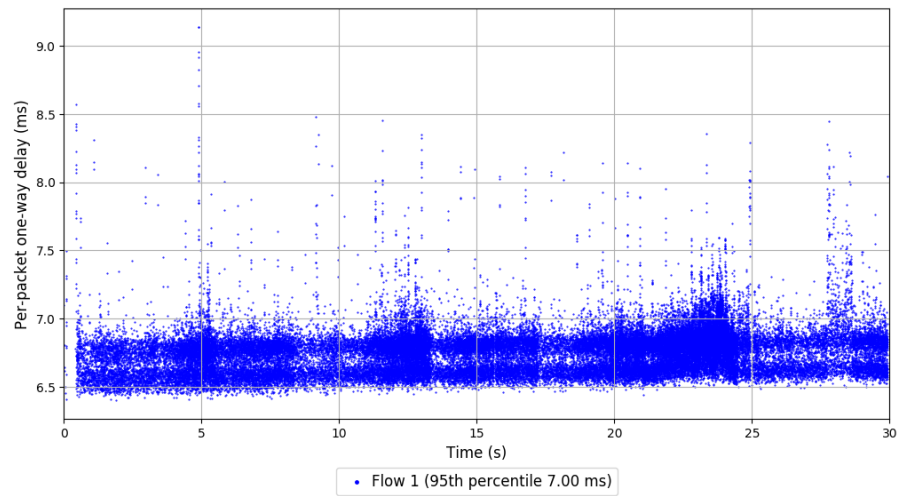
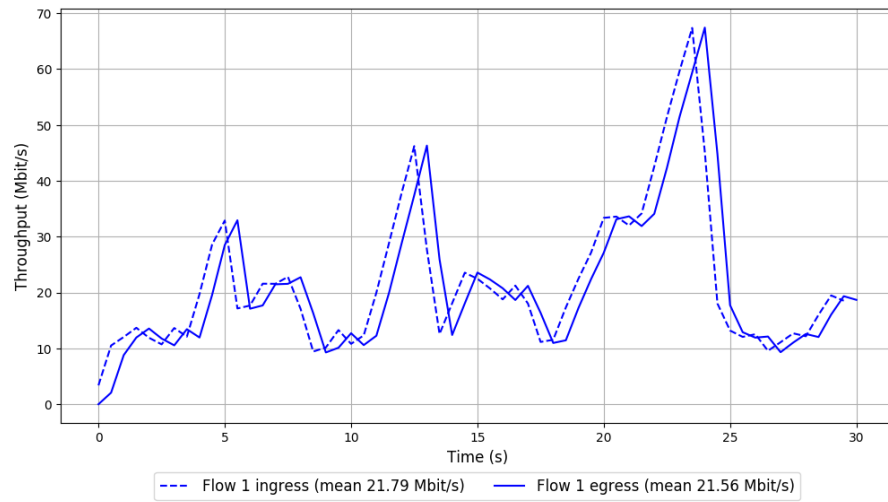
-- Flow 1:

Average throughput: 21.56 Mbit/s

95th percentile per-packet one-way delay: 7.002 ms

Loss rate: 1.05%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-29 15:37:00

End at: 2018-06-29 15:37:30

Local clock offset: 2.812 ms

Remote clock offset: -4.791 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 8.478 ms

Loss rate: 1.07%

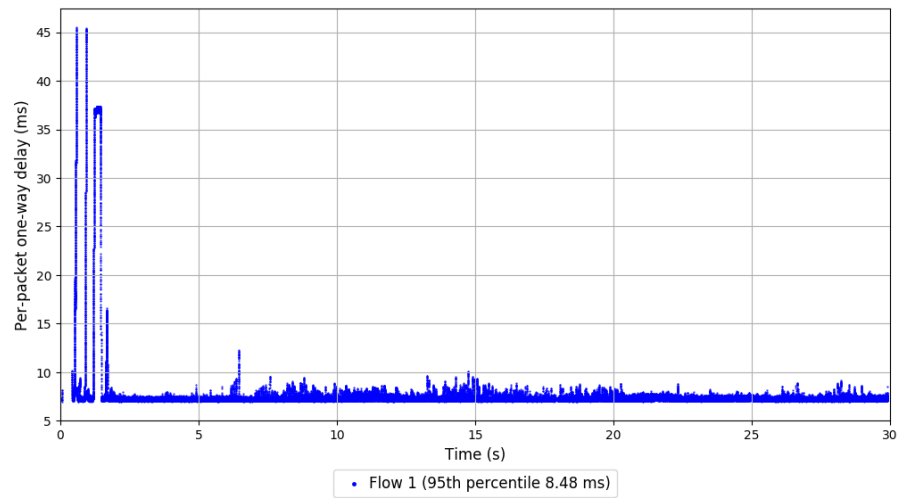
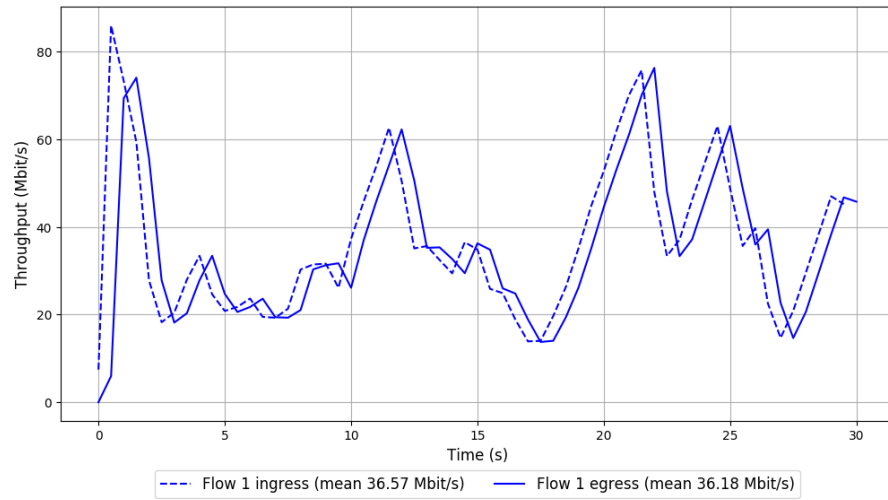
-- Flow 1:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 8.478 ms

Loss rate: 1.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-29 15:56:22

End at: 2018-06-29 15:56:52

Local clock offset: -2.808 ms

Remote clock offset: -2.978 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 11.030 ms

Loss rate: 2.31%

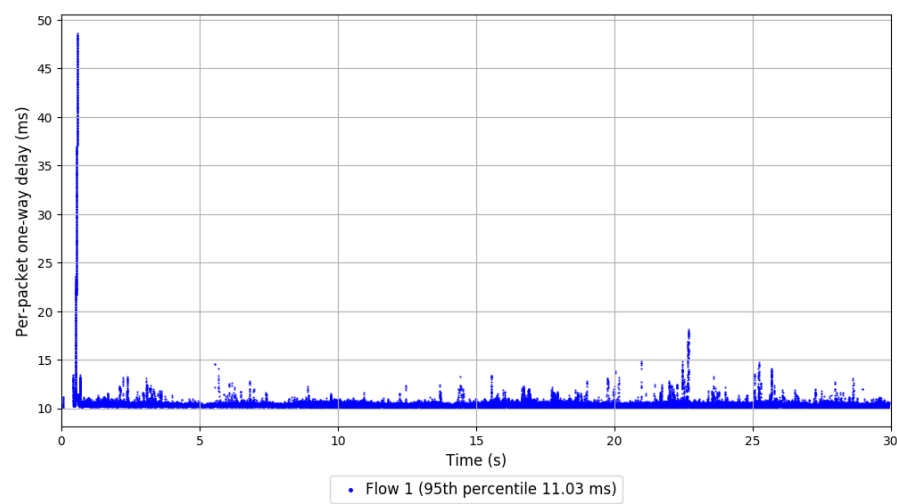
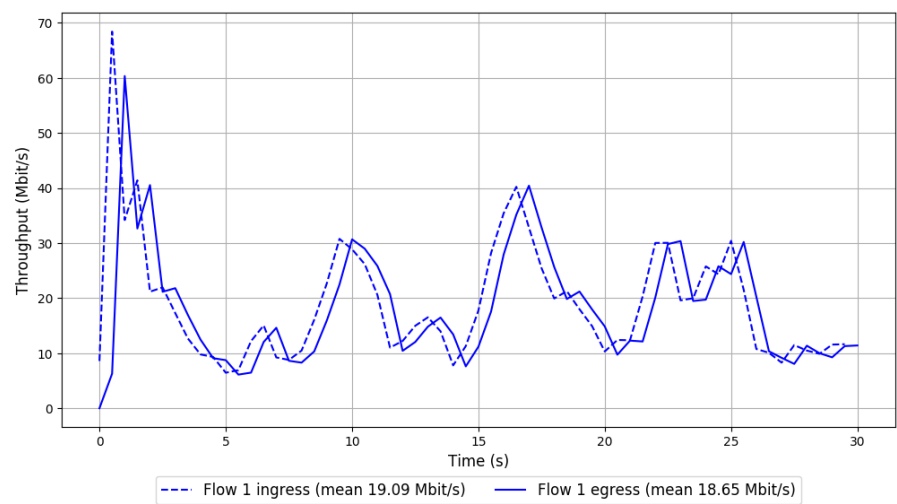
-- Flow 1:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 11.030 ms

Loss rate: 2.31%

Run 10: Report of QUIC Cubic — Data Link

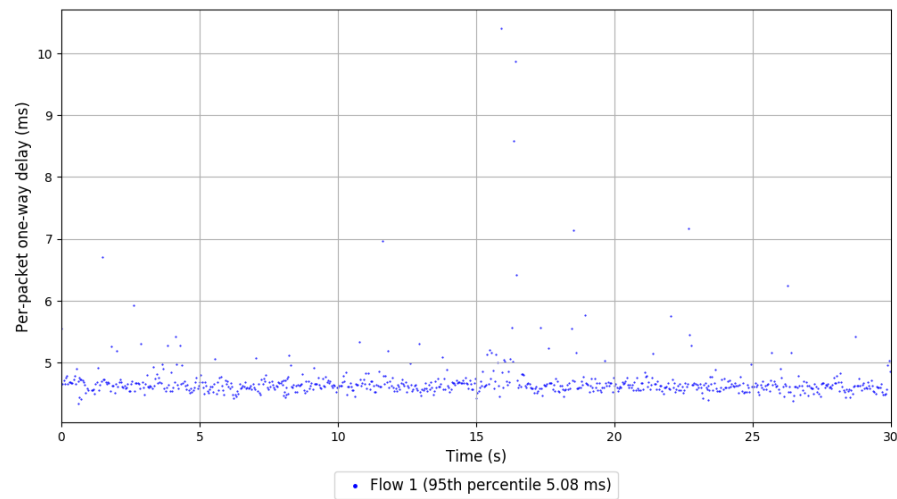
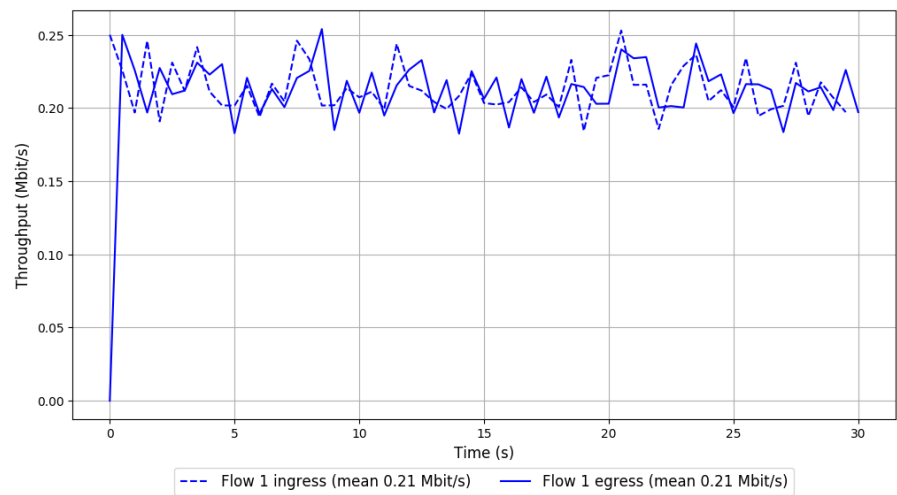


```
Run 1: Statistics of SCReAM

Start at: 2018-06-29 13:05:24
End at: 2018-06-29 13:05:54
Local clock offset: 3.225 ms
Remote clock offset: -6.919 ms

# Below is generated by plot.py at 2018-06-29 16:14:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-29 13:24:46

End at: 2018-06-29 13:25:16

Local clock offset: 0.239 ms

Remote clock offset: -6.65 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 7.083 ms

Loss rate: 0.89%

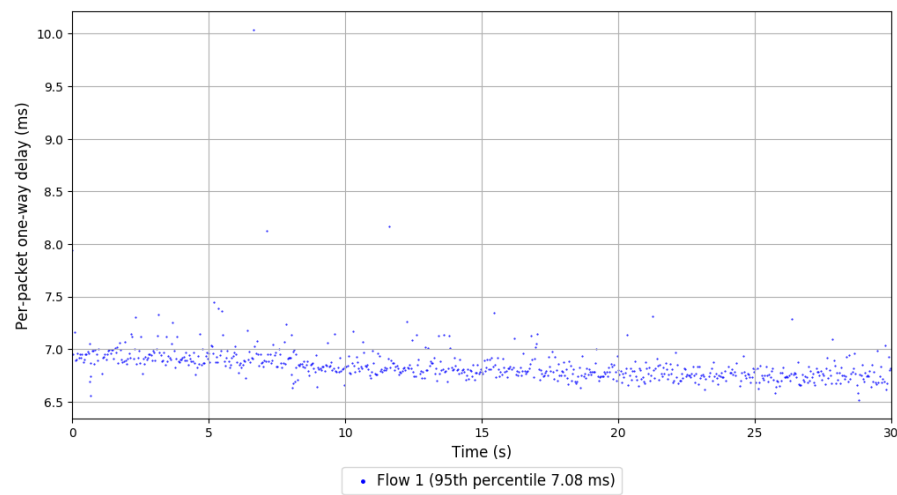
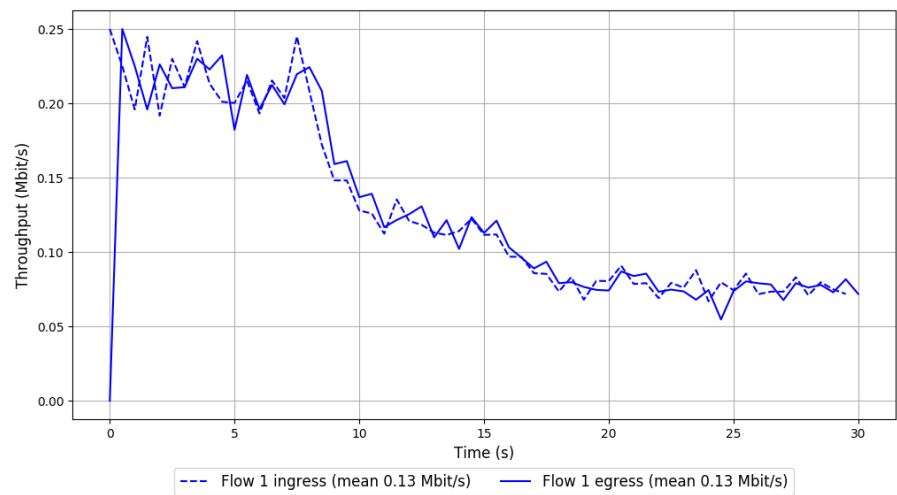
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 7.083 ms

Loss rate: 0.89%

Run 2: Report of SReAM — Data Link

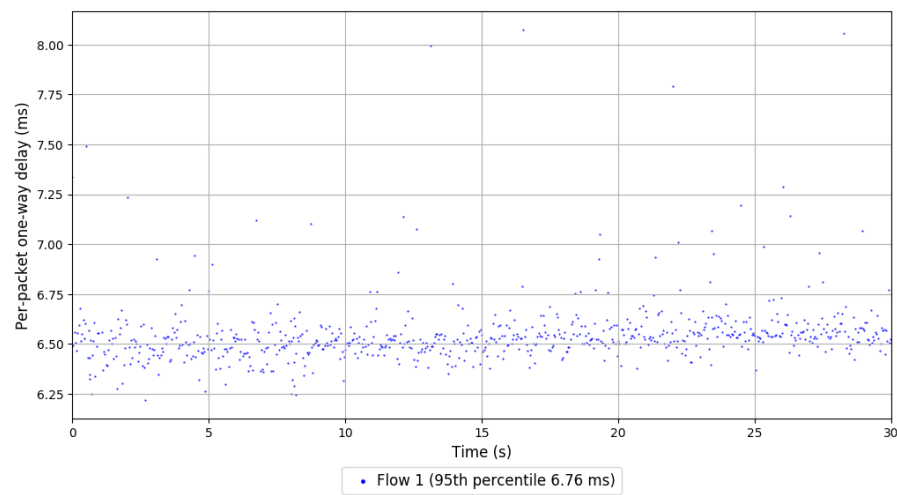
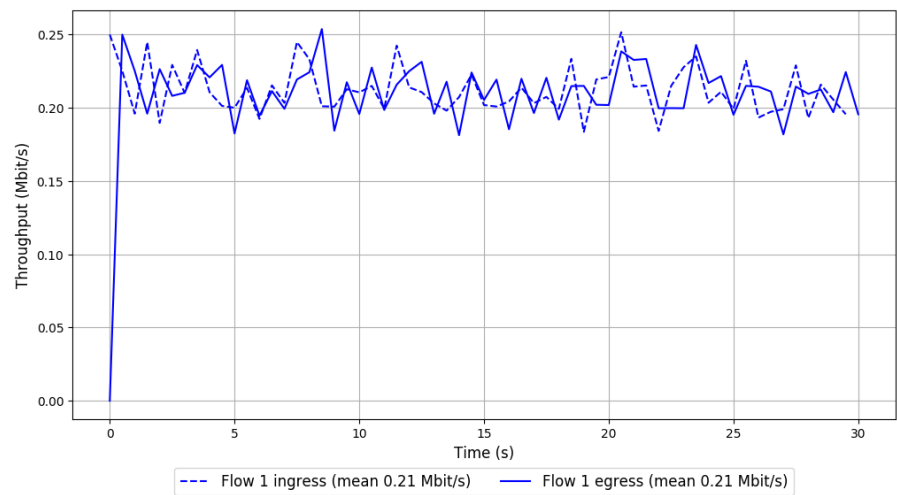


Run 3: Statistics of SCReAM

Start at: 2018-06-29 13:43:59
End at: 2018-06-29 13:44:29
Local clock offset: 0.433 ms
Remote clock offset: -13.391 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.764 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

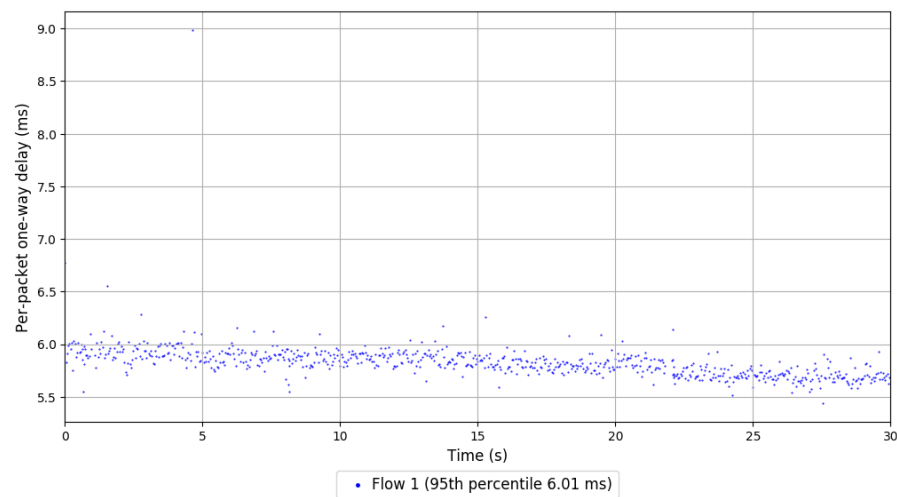
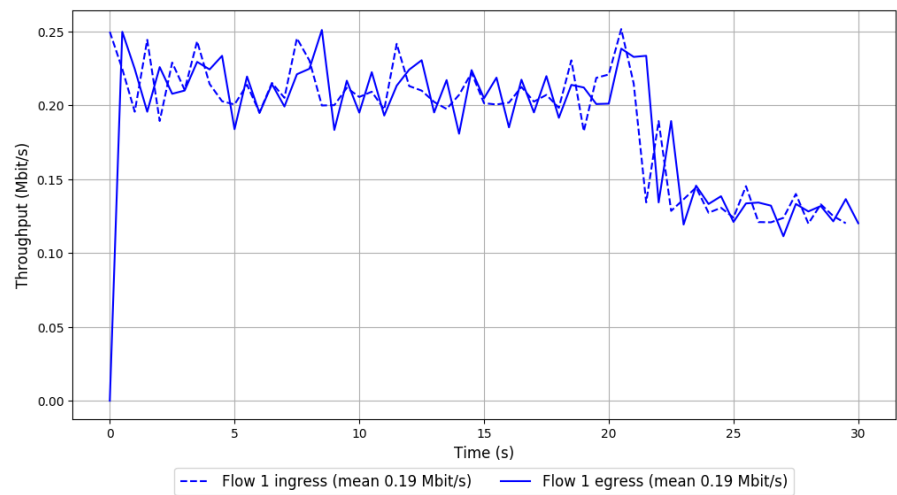


Run 4: Statistics of SCReAM

Start at: 2018-06-29 14:03:08
End at: 2018-06-29 14:03:38
Local clock offset: 2.868 ms
Remote clock offset: -14.424 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 6.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 6.007 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

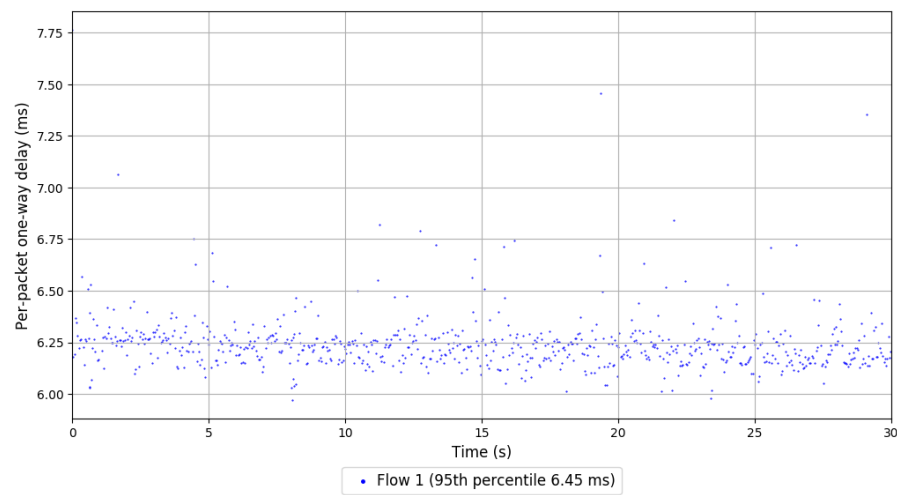
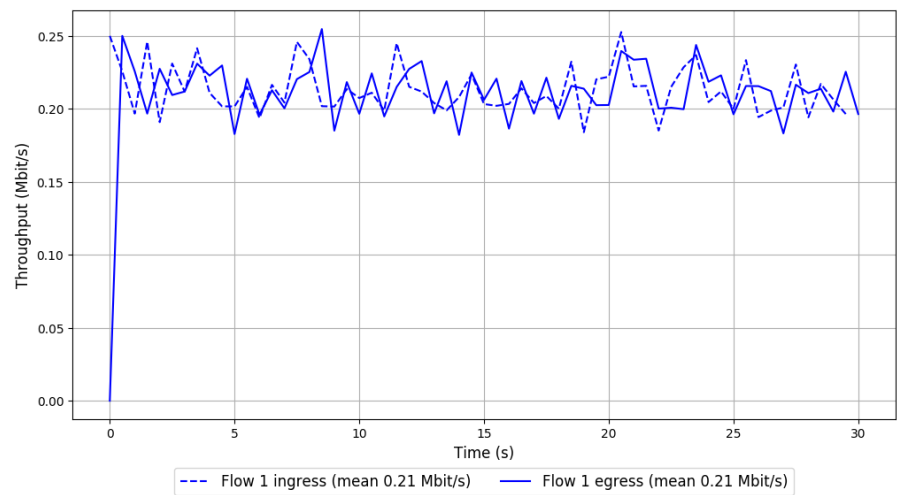


Run 5: Statistics of SCReAM

Start at: 2018-06-29 14:22:34
End at: 2018-06-29 14:23:04
Local clock offset: 2.967 ms
Remote clock offset: -11.88 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.450 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

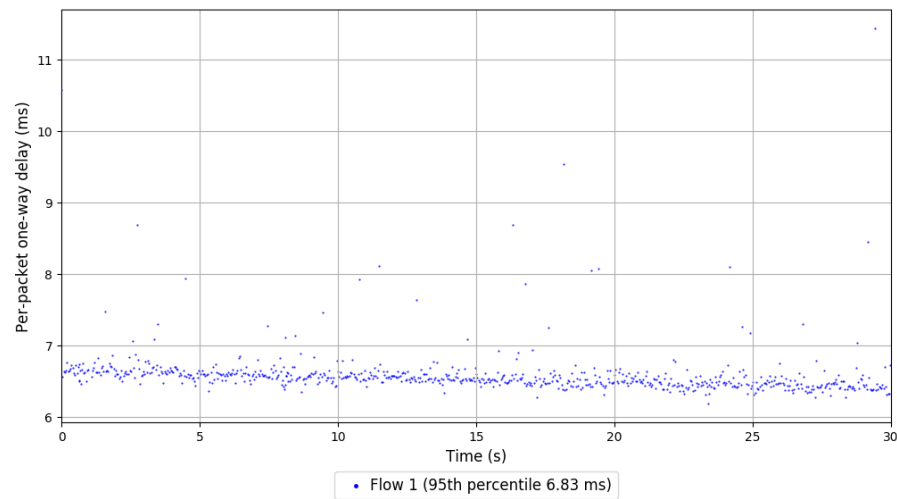
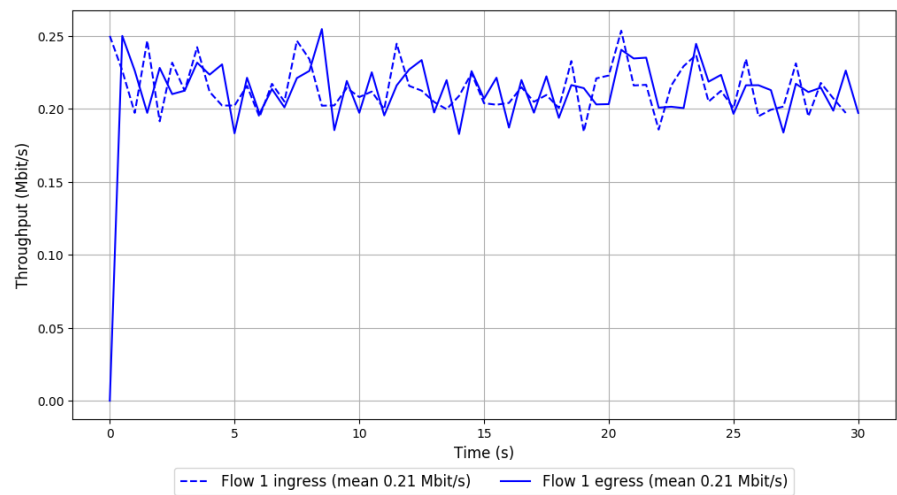


Run 6: Statistics of SCReAM

Start at: 2018-06-29 14:41:50
End at: 2018-06-29 14:42:20
Local clock offset: 1.364 ms
Remote clock offset: -7.228 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 6.831 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

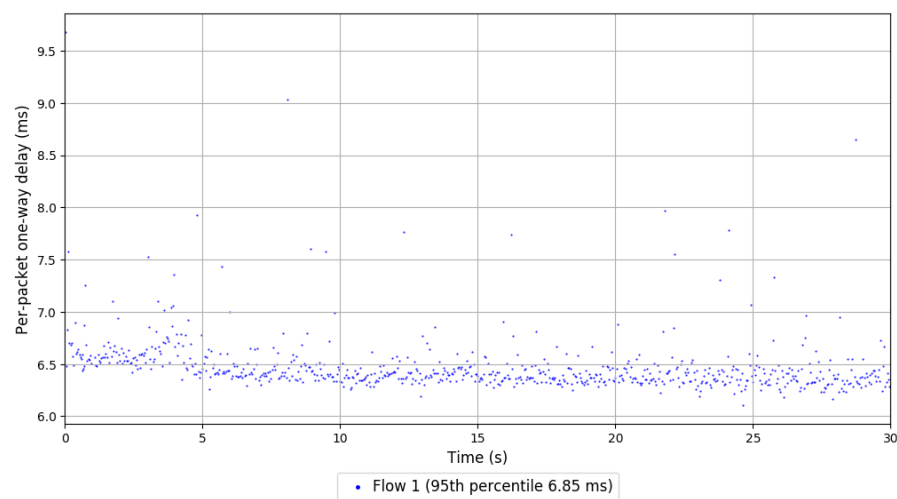
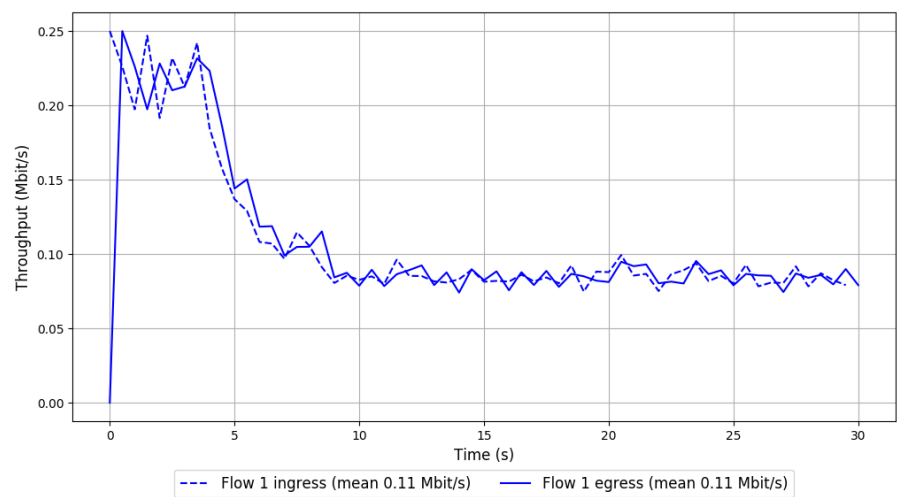


Run 7: Statistics of SCReAM

Start at: 2018-06-29 15:01:13
End at: 2018-06-29 15:01:43
Local clock offset: 0.551 ms
Remote clock offset: -3.524 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.847 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.847 ms
Loss rate: 0.27%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-29 15:20:51

End at: 2018-06-29 15:21:21

Local clock offset: -2.129 ms

Remote clock offset: -4.36 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 12.047 ms

Loss rate: 0.56%

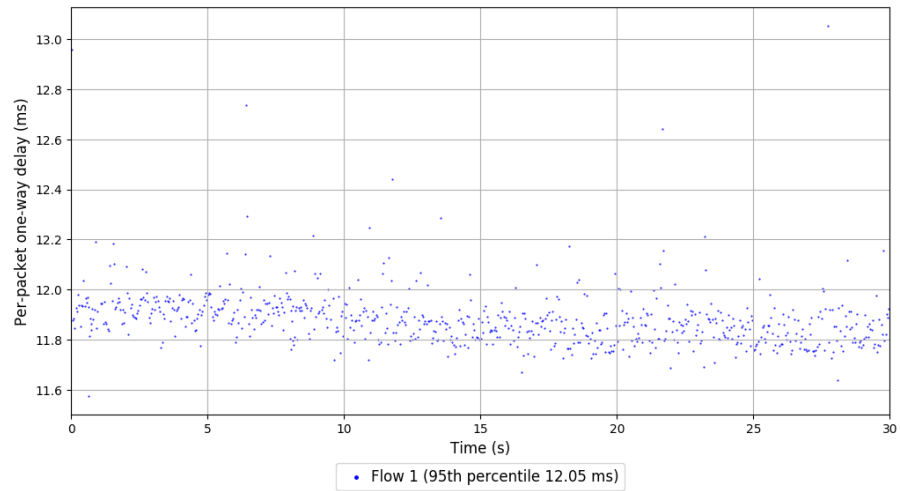
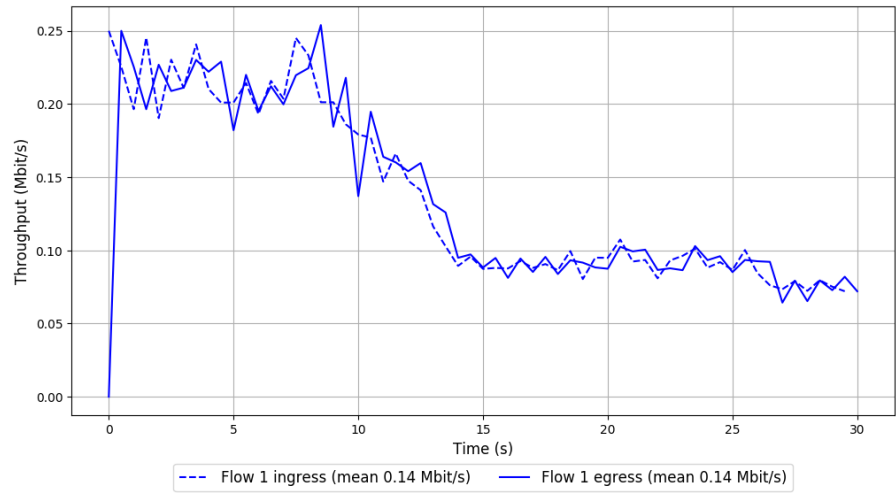
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 12.047 ms

Loss rate: 0.56%

Run 8: Report of SReAM — Data Link

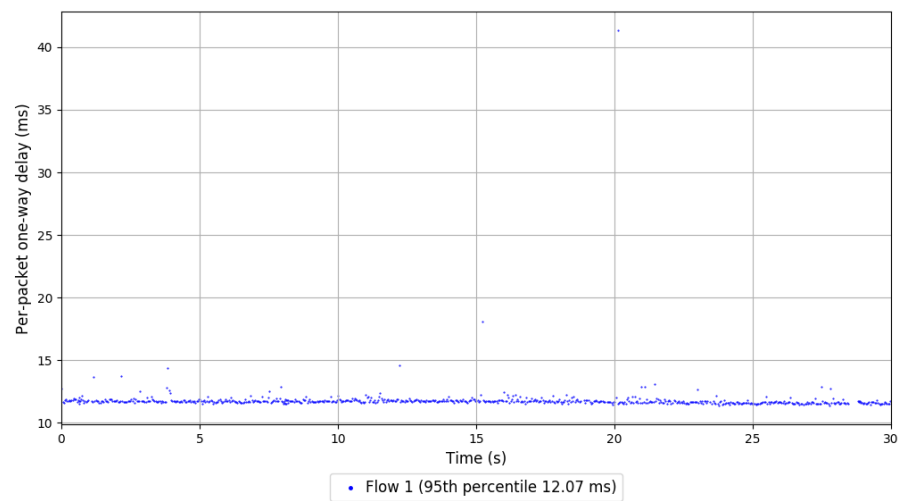
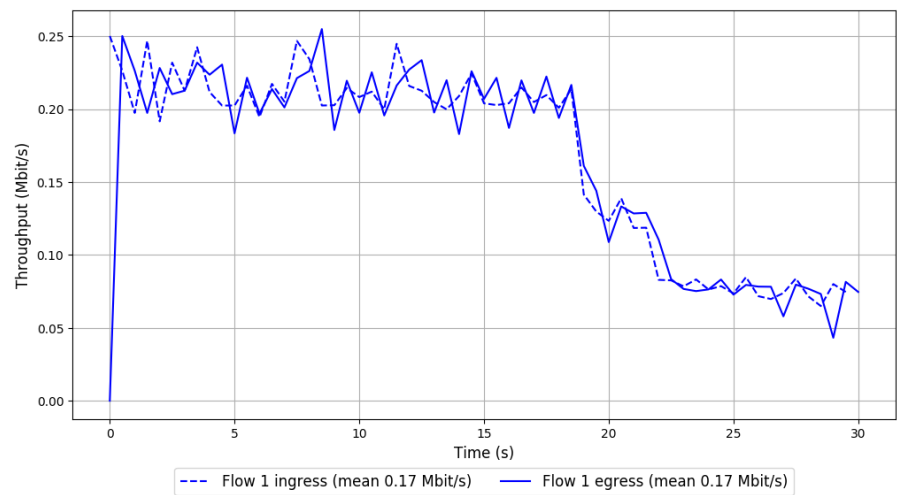


Run 9: Statistics of SCReAM

Start at: 2018-06-29 15:40:28
End at: 2018-06-29 15:40:58
Local clock offset: -3.811 ms
Remote clock offset: -5.319 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.072 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.072 ms
Loss rate: 1.08%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-29 15:59:47

End at: 2018-06-29 16:00:17

Local clock offset: -2.165 ms

Remote clock offset: -2.04 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 10.627 ms

Loss rate: 0.54%

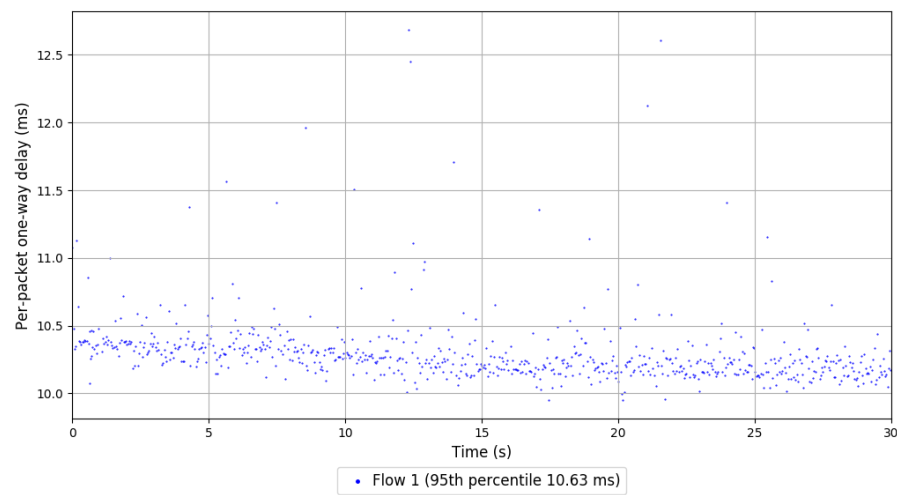
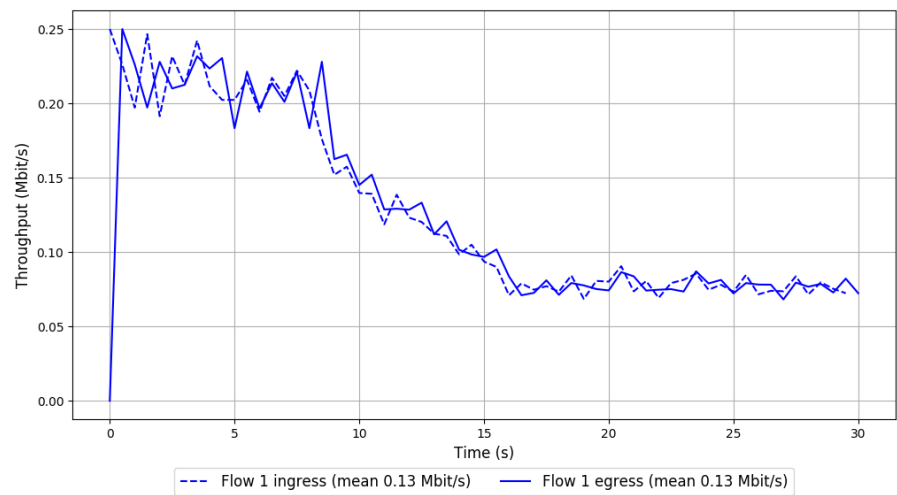
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 10.627 ms

Loss rate: 0.54%

Run 10: Report of SReAM — Data Link

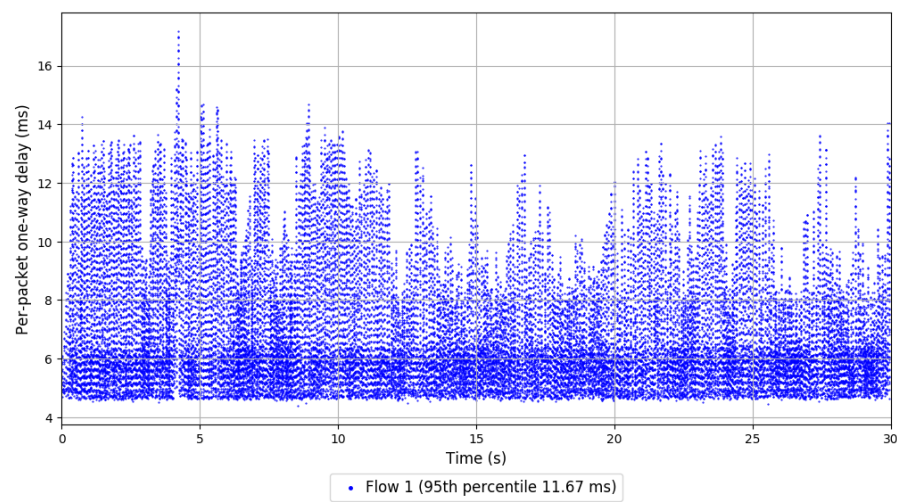
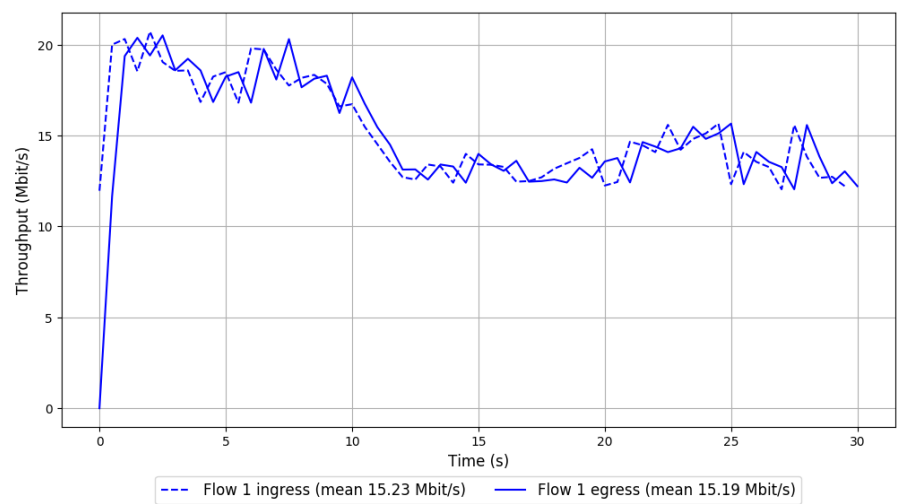


Run 1: Statistics of Sprout

Start at: 2018-06-29 12:49:32
End at: 2018-06-29 12:50:02
Local clock offset: 2.687 ms
Remote clock offset: -7.773 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 11.668 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 11.668 ms
Loss rate: 0.19%

Run 1: Report of Sprout — Data Link

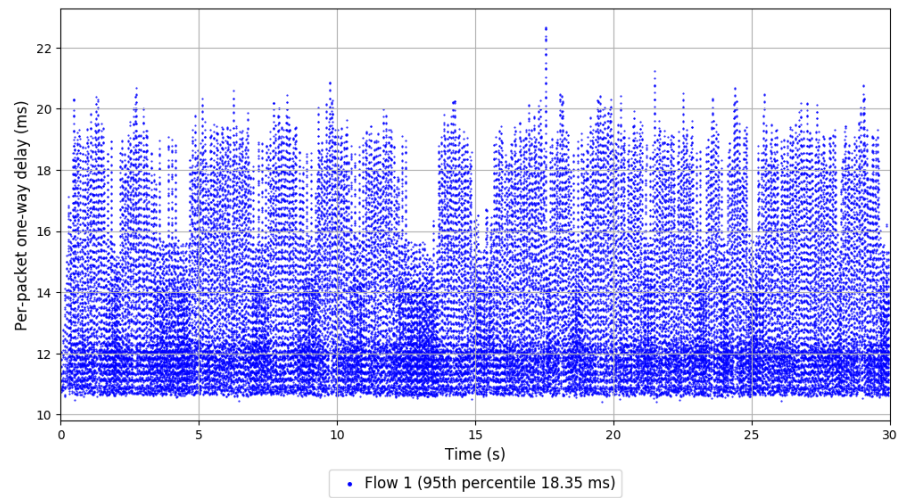
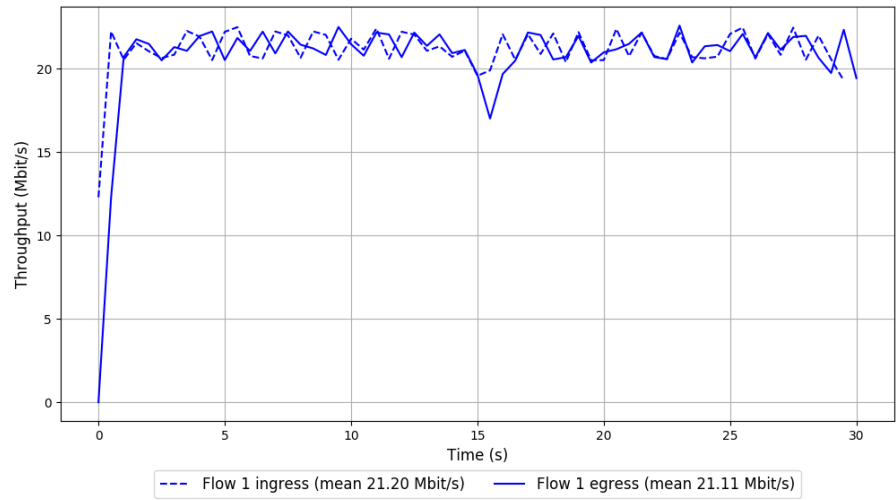


Run 2: Statistics of Sprout

Start at: 2018-06-29 13:08:42
End at: 2018-06-29 13:09:12
Local clock offset: -1.451 ms
Remote clock offset: -5.586 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 18.349 ms
Loss rate: 0.40%

Run 2: Report of Sprout — Data Link

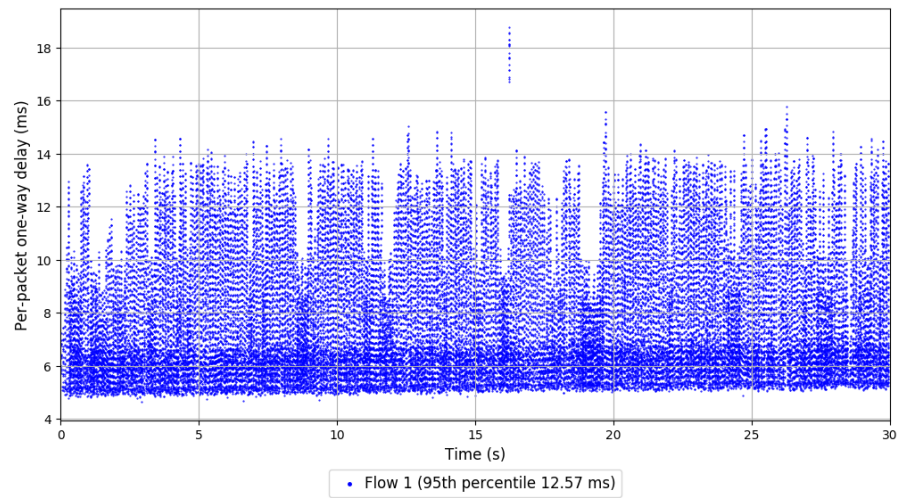
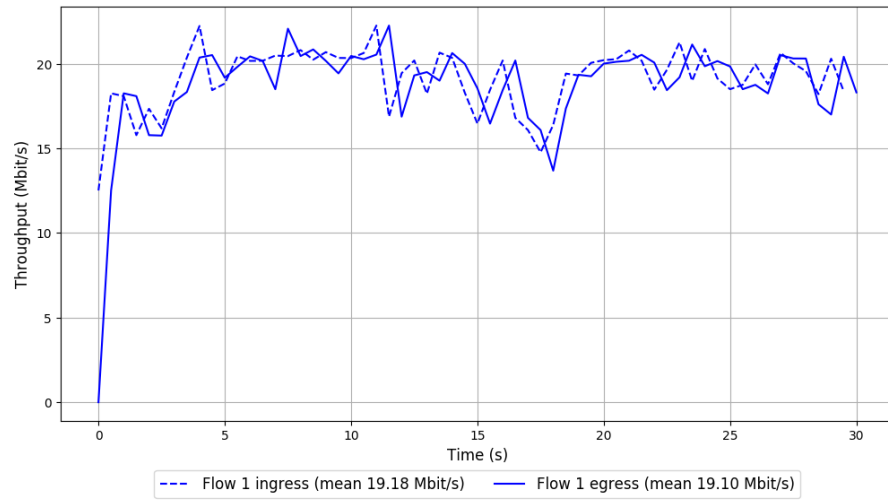


Run 3: Statistics of Sprout

Start at: 2018-06-29 13:28:07
End at: 2018-06-29 13:28:37
Local clock offset: -1.695 ms
Remote clock offset: -10.665 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 0.46%

Run 3: Report of Sprout — Data Link

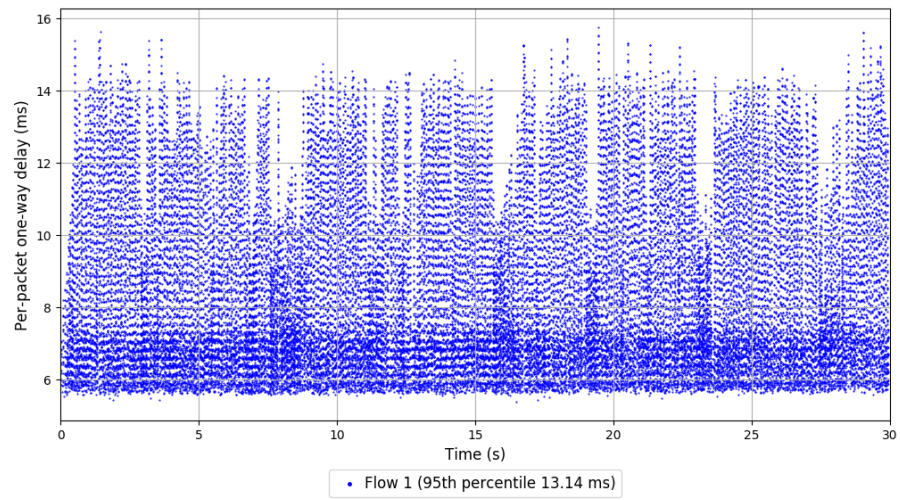
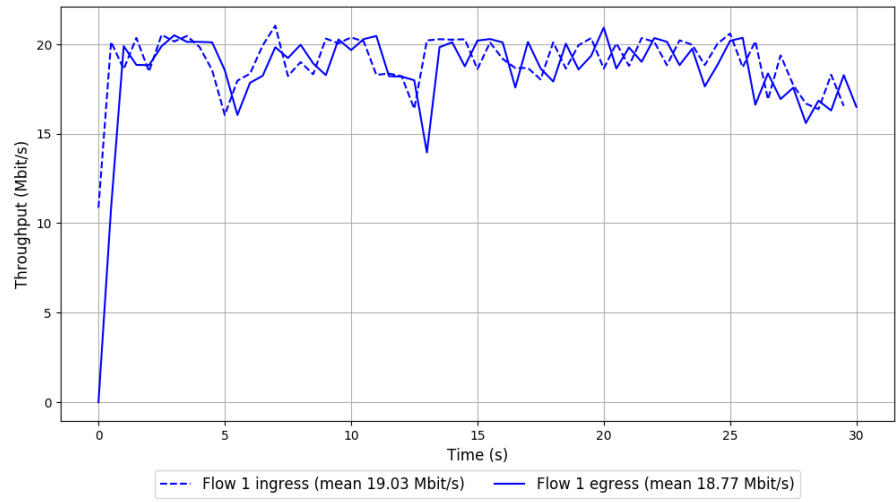


Run 4: Statistics of Sprout

Start at: 2018-06-29 13:47:17
End at: 2018-06-29 13:47:47
Local clock offset: 3.462 ms
Remote clock offset: -13.414 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 13.143 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 13.143 ms
Loss rate: 1.35%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-29 14:06:30

End at: 2018-06-29 14:07:00

Local clock offset: 1.349 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 27.320 ms

Loss rate: 0.38%

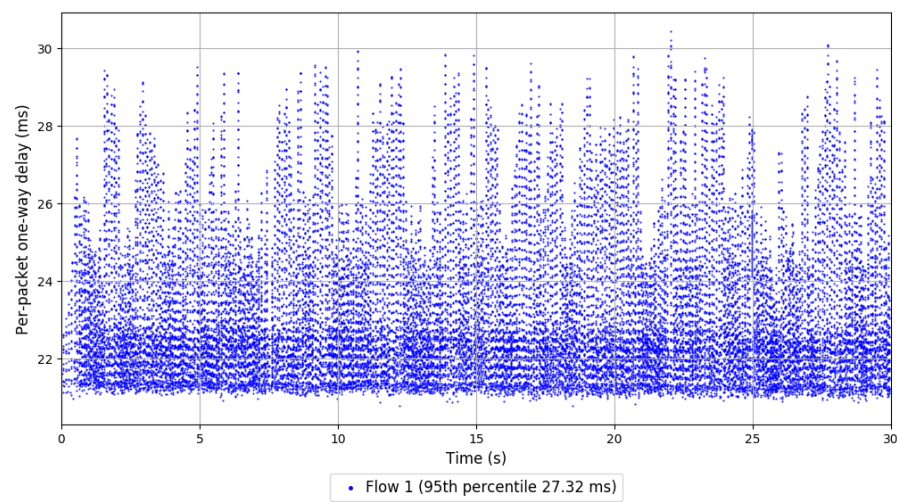
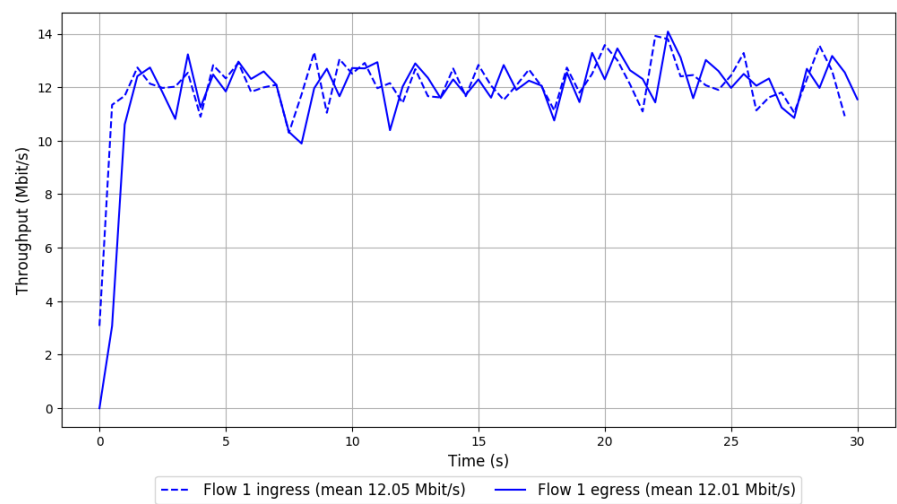
-- Flow 1:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 27.320 ms

Loss rate: 0.38%

Run 5: Report of Sprout — Data Link

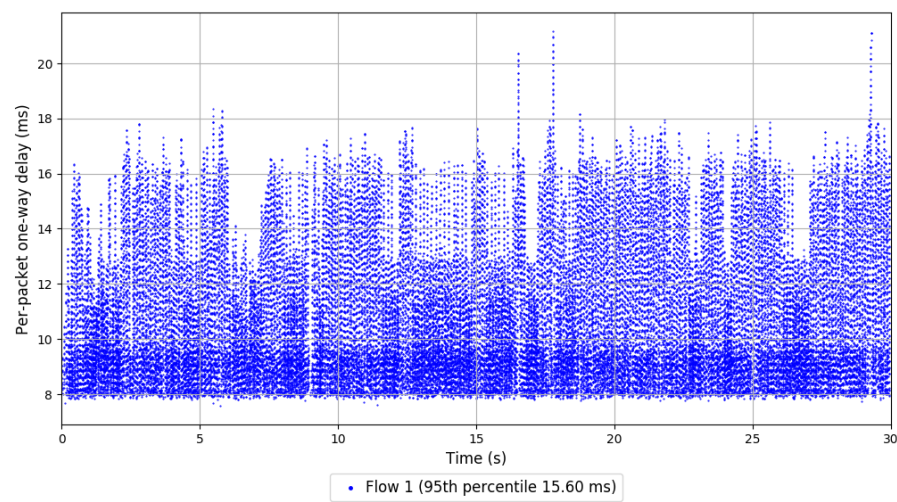
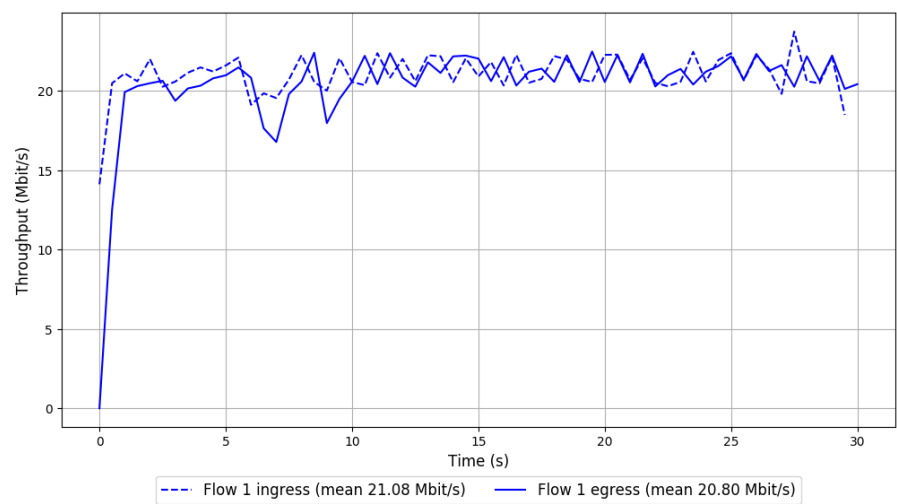


Run 6: Statistics of Sprout

Start at: 2018-06-29 14:26:00
End at: 2018-06-29 14:26:30
Local clock offset: 0.587 ms
Remote clock offset: -10.906 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 15.603 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 15.603 ms
Loss rate: 1.33%

Run 6: Report of Sprout — Data Link

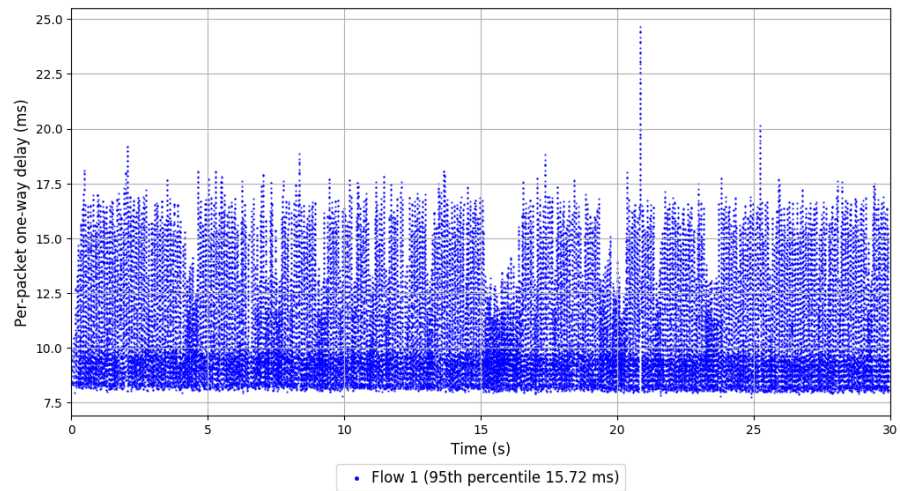
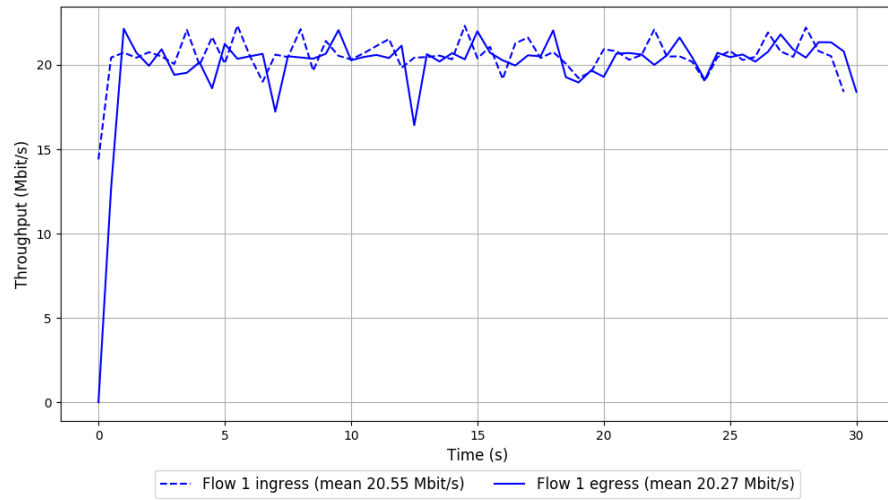


Run 7: Statistics of Sprout

Start at: 2018-06-29 14:45:10
End at: 2018-06-29 14:45:40
Local clock offset: -1.696 ms
Remote clock offset: -7.534 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 15.725 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 15.725 ms
Loss rate: 1.37%

Run 7: Report of Sprout — Data Link

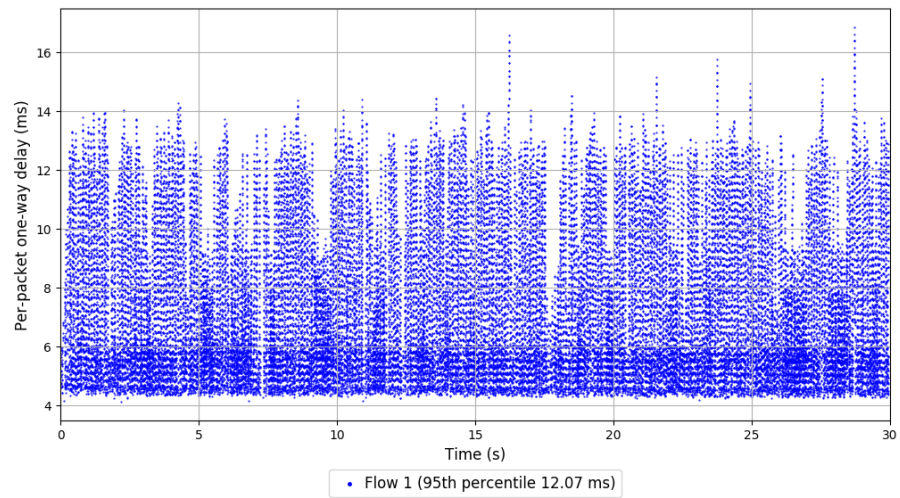
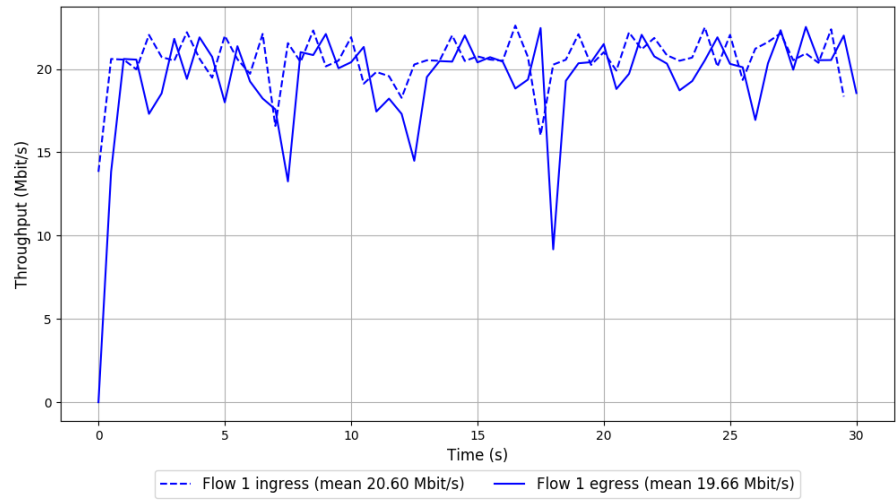


Run 8: Statistics of Sprout

Start at: 2018-06-29 15:04:39
End at: 2018-06-29 15:05:09
Local clock offset: 2.512 ms
Remote clock offset: -3.164 ms

Below is generated by plot.py at 2018-06-29 16:14:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 12.074 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 12.074 ms
Loss rate: 4.53%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-29 15:24:13

End at: 2018-06-29 15:24:43

Local clock offset: 0.285 ms

Remote clock offset: -5.48 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 14.696 ms

Loss rate: 0.70%

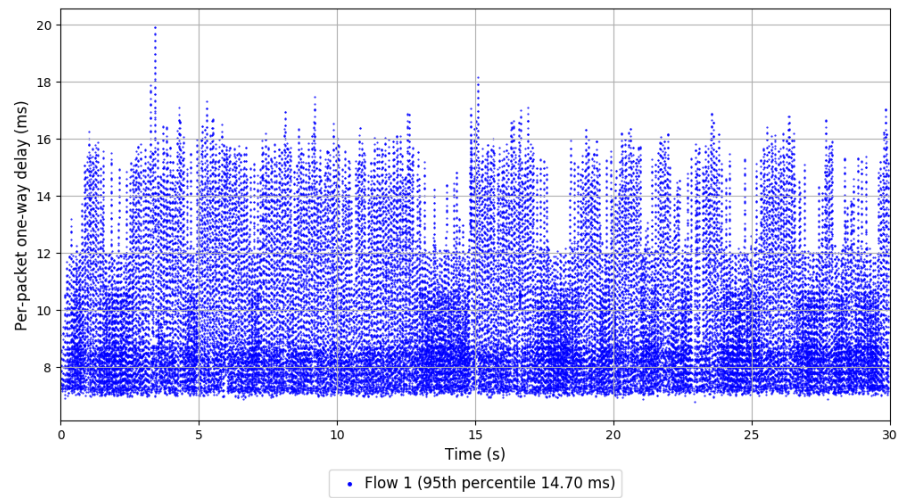
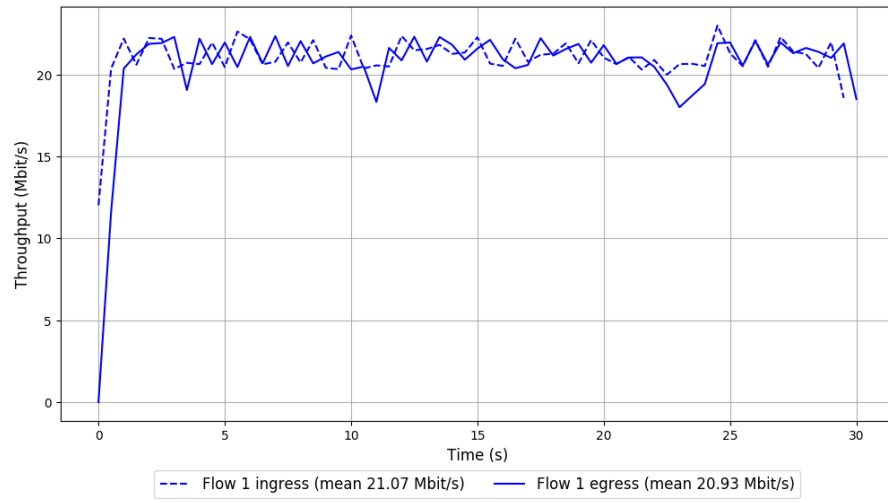
-- Flow 1:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 14.696 ms

Loss rate: 0.70%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-29 15:43:47

End at: 2018-06-29 15:44:17

Local clock offset: 1.859 ms

Remote clock offset: -5.506 ms

Below is generated by plot.py at 2018-06-29 16:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 14.531 ms

Loss rate: 3.00%

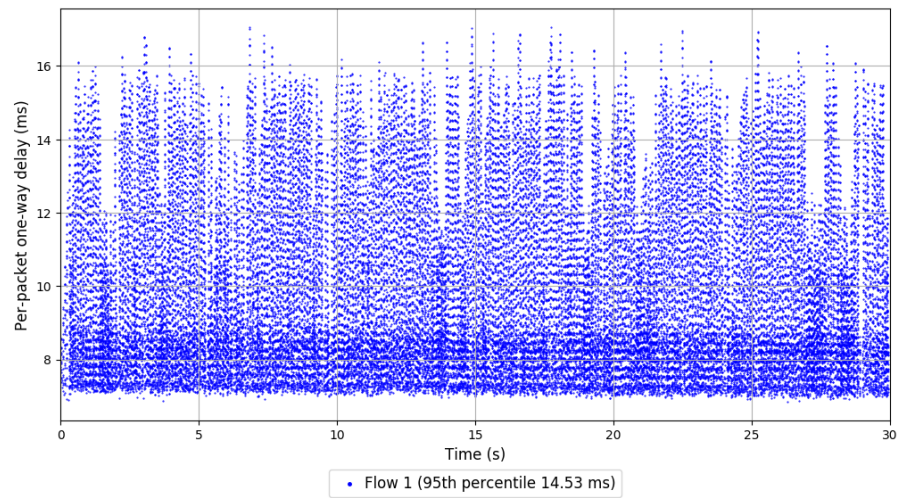
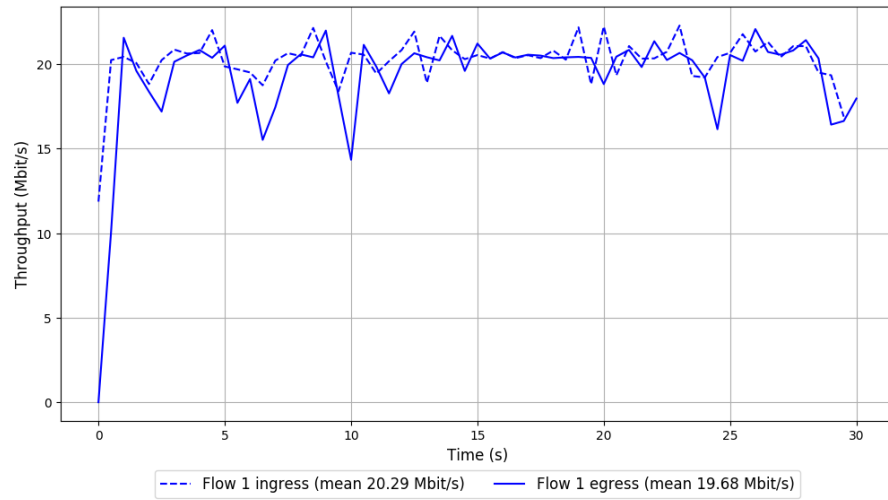
-- Flow 1:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 14.531 ms

Loss rate: 3.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 13:04:13

End at: 2018-06-29 13:04:43

Local clock offset: -0.003 ms

Remote clock offset: -8.146 ms

Below is generated by plot.py at 2018-06-29 16:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 8.146 ms

Loss rate: 7.97%

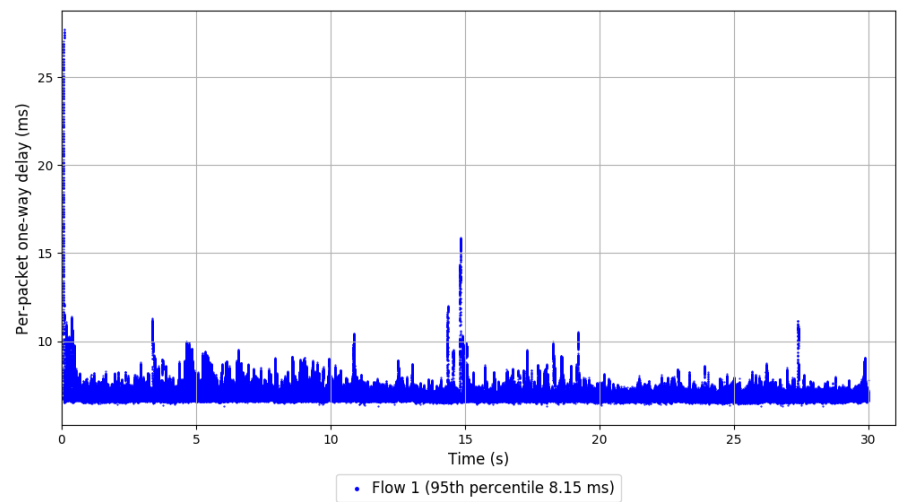
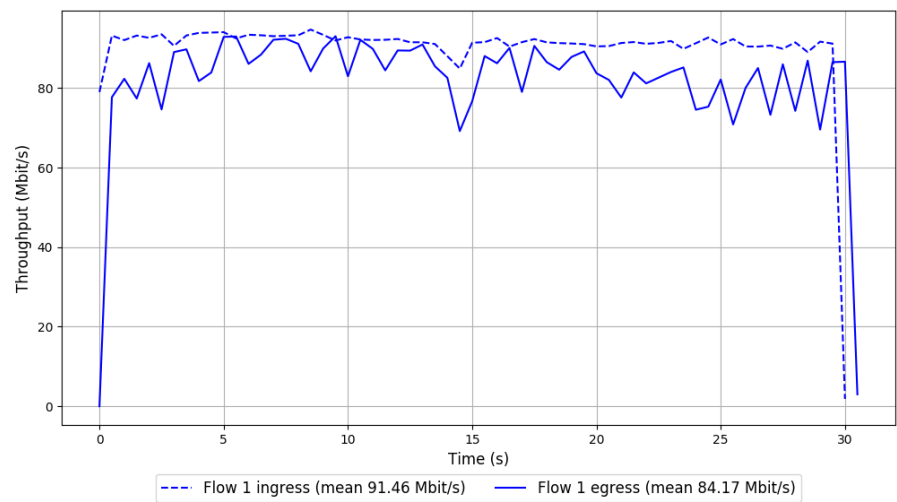
-- Flow 1:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 8.146 ms

Loss rate: 7.97%

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

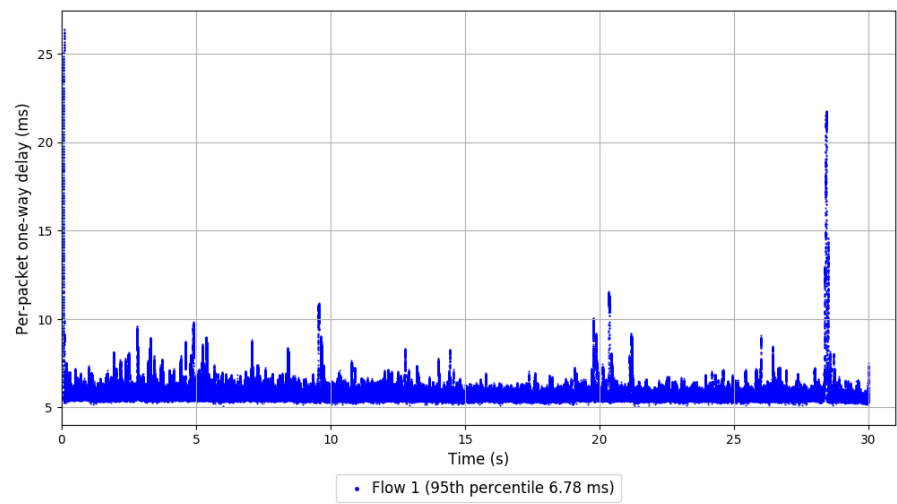
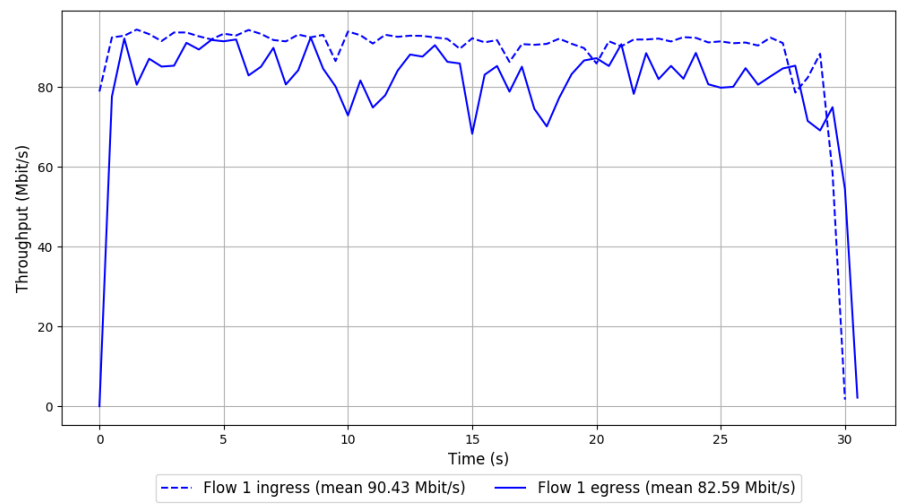


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 13:23:31
End at: 2018-06-29 13:24:01
Local clock offset: 1.49 ms
Remote clock offset: -5.893 ms

Below is generated by plot.py at 2018-06-29 16:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 6.778 ms
Loss rate: 8.66%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 6.778 ms
Loss rate: 8.66%

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

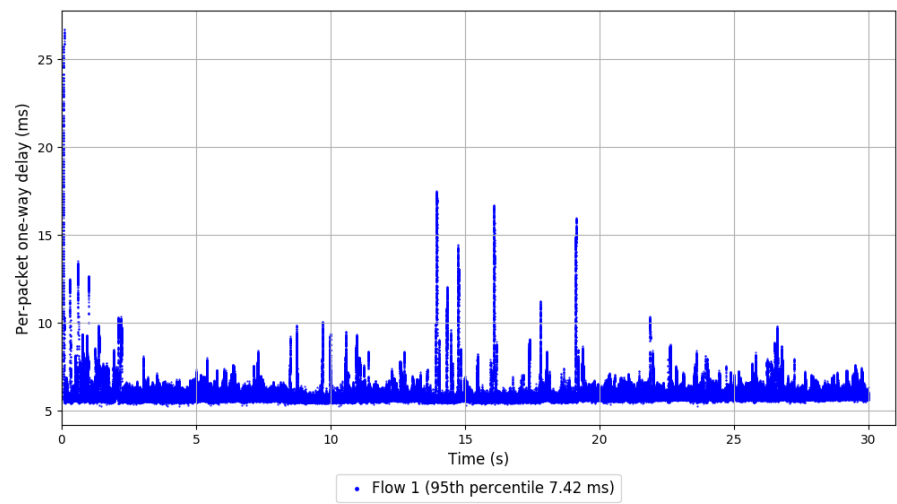
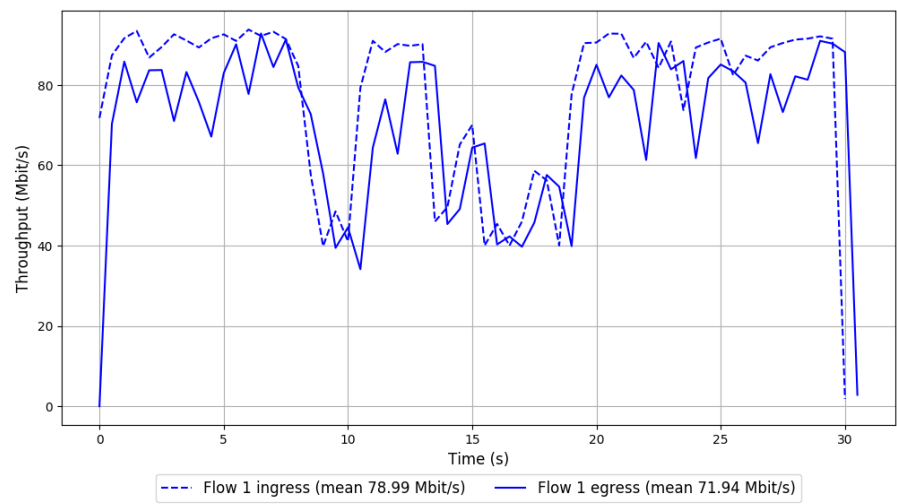


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 13:42:47
End at: 2018-06-29 13:43:17
Local clock offset: 1.051 ms
Remote clock offset: -12.557 ms

Below is generated by plot.py at 2018-06-29 16:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 7.419 ms
Loss rate: 8.92%
-- Flow 1:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 7.419 ms
Loss rate: 8.92%

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

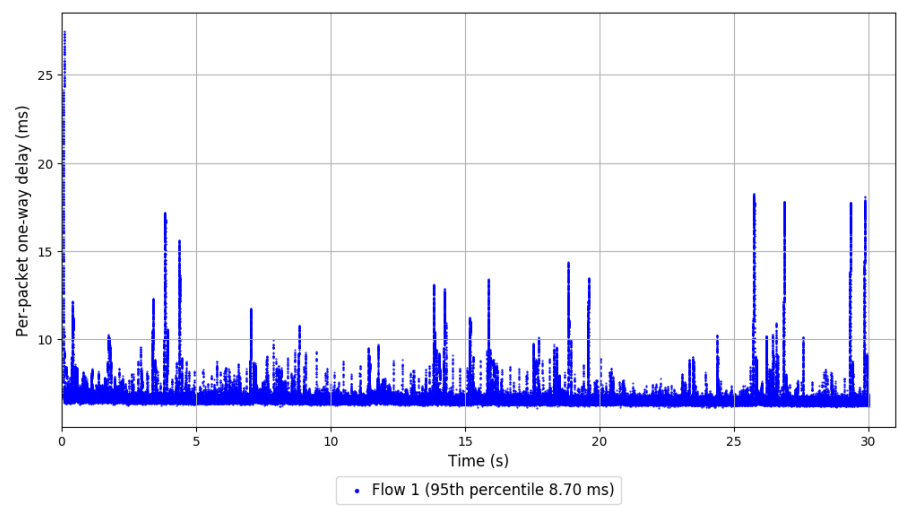
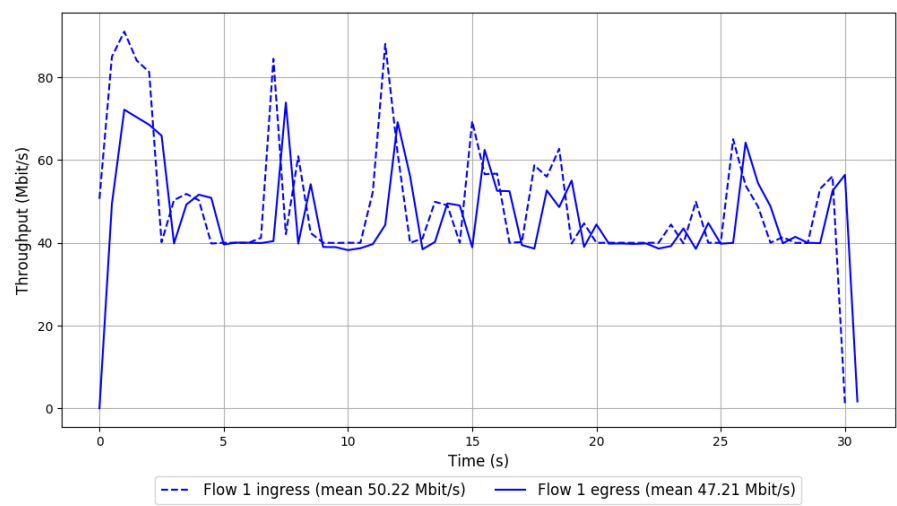


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 14:01:58
End at: 2018-06-29 14:02:28
Local clock offset: 1.082 ms
Remote clock offset: -14.347 ms

Below is generated by plot.py at 2018-06-29 16:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 8.698 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 47.21 Mbit/s
95th percentile per-packet one-way delay: 8.698 ms
Loss rate: 6.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 14:21:21

End at: 2018-06-29 14:21:51

Local clock offset: 0.3 ms

Remote clock offset: -12.326 ms

Below is generated by plot.py at 2018-06-29 16:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 9.935 ms

Loss rate: 10.41%

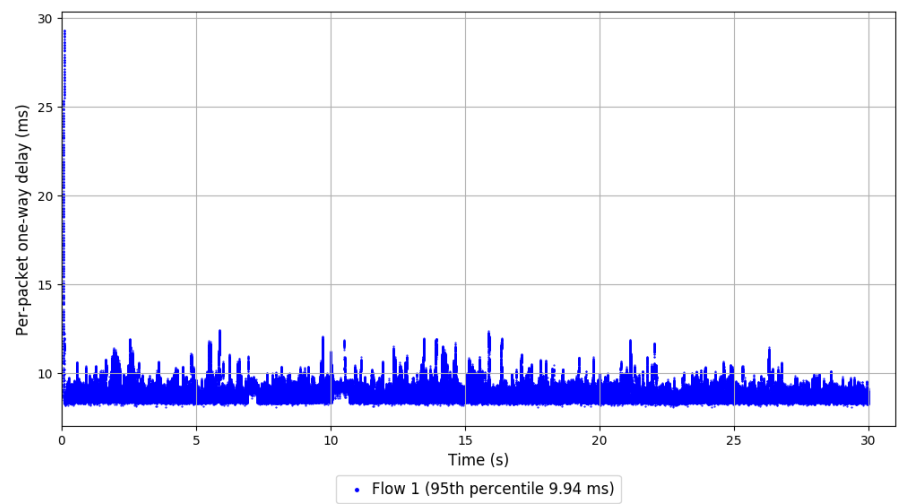
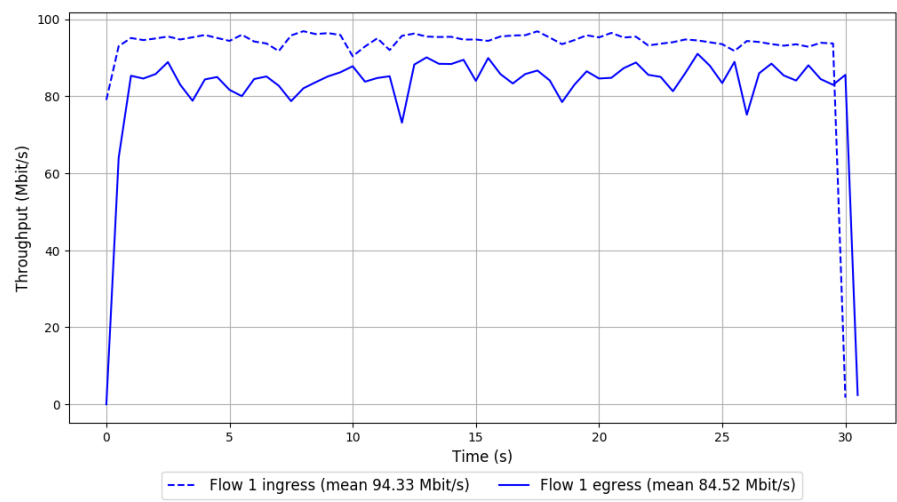
-- Flow 1:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 9.935 ms

Loss rate: 10.41%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 14:40:37

End at: 2018-06-29 14:41:07

Local clock offset: 3.08 ms

Remote clock offset: -7.563 ms

Below is generated by plot.py at 2018-06-29 16:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.14 Mbit/s

95th percentile per-packet one-way delay: 8.278 ms

Loss rate: 11.05%

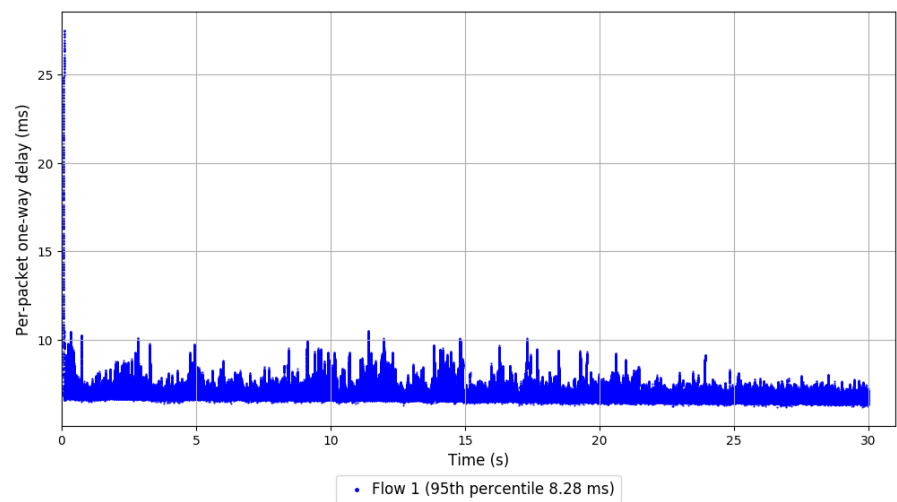
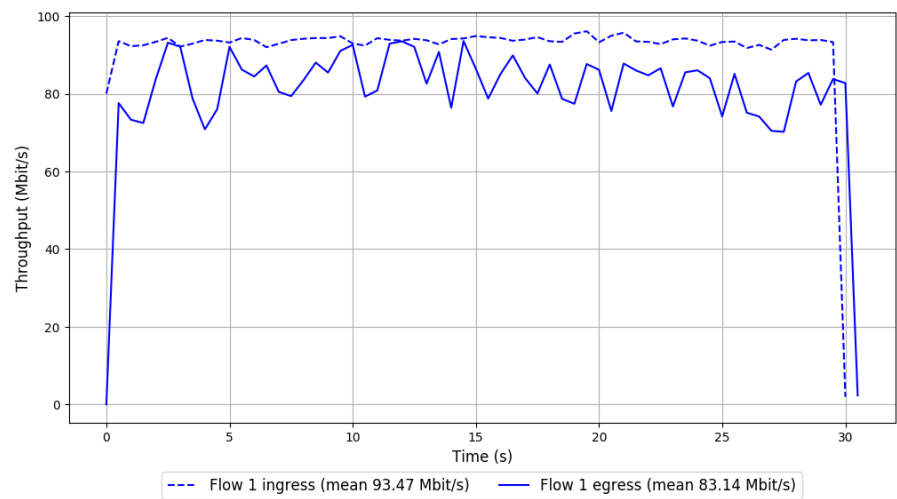
-- Flow 1:

Average throughput: 83.14 Mbit/s

95th percentile per-packet one-way delay: 8.278 ms

Loss rate: 11.05%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 14:59:55

End at: 2018-06-29 15:00:25

Local clock offset: 2.003 ms

Remote clock offset: -3.379 ms

Below is generated by plot.py at 2018-06-29 16:16:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.38 Mbit/s

95th percentile per-packet one-way delay: 7.132 ms

Loss rate: 13.70%

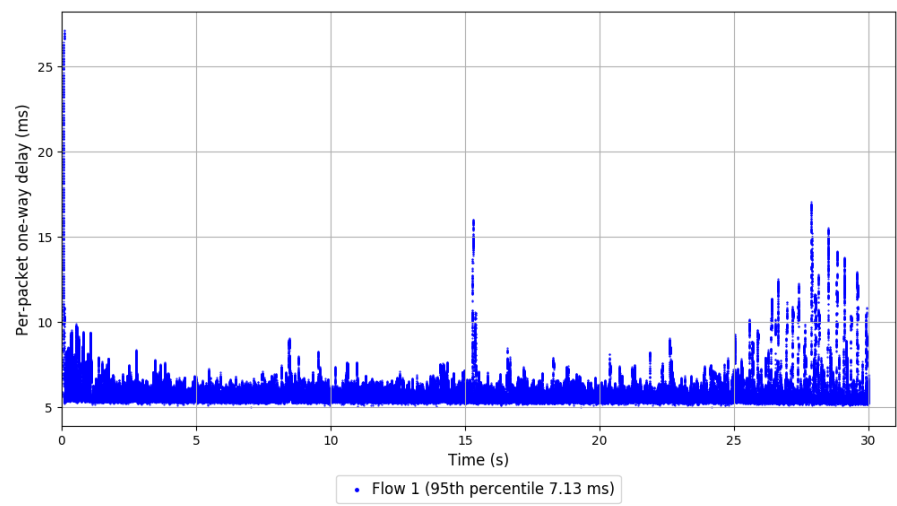
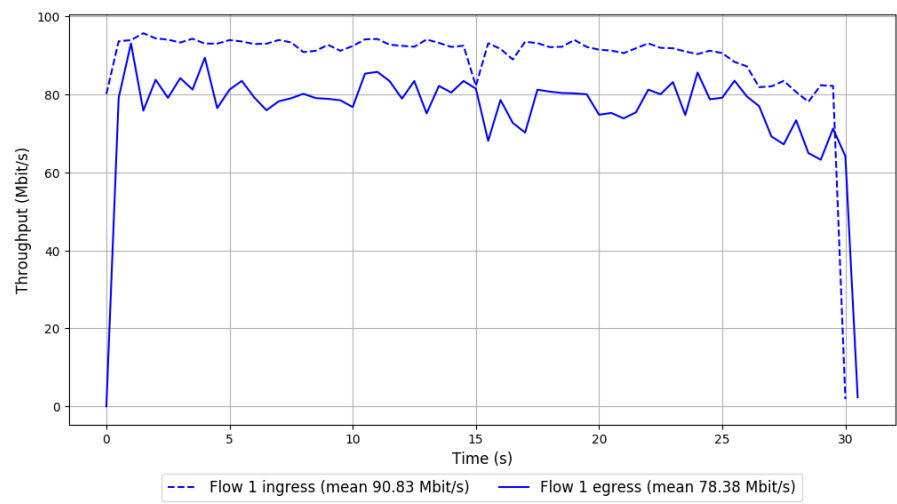
-- Flow 1:

Average throughput: 78.38 Mbit/s

95th percentile per-packet one-way delay: 7.132 ms

Loss rate: 13.70%

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

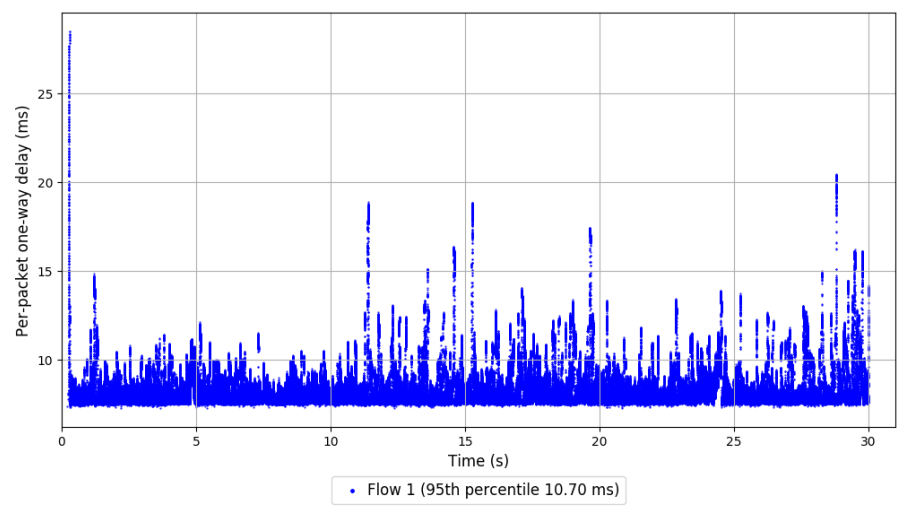
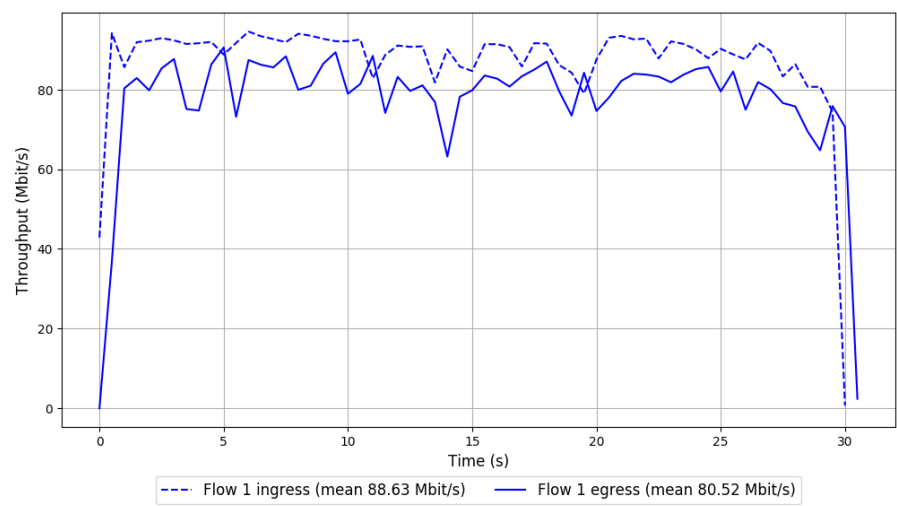


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-29 15:19:39
End at: 2018-06-29 15:20:09
Local clock offset: -0.517 ms
Remote clock offset: -5.309 ms

Below is generated by plot.py at 2018-06-29 16:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 10.696 ms
Loss rate: 9.74%
-- Flow 1:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 10.696 ms
Loss rate: 9.74%

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

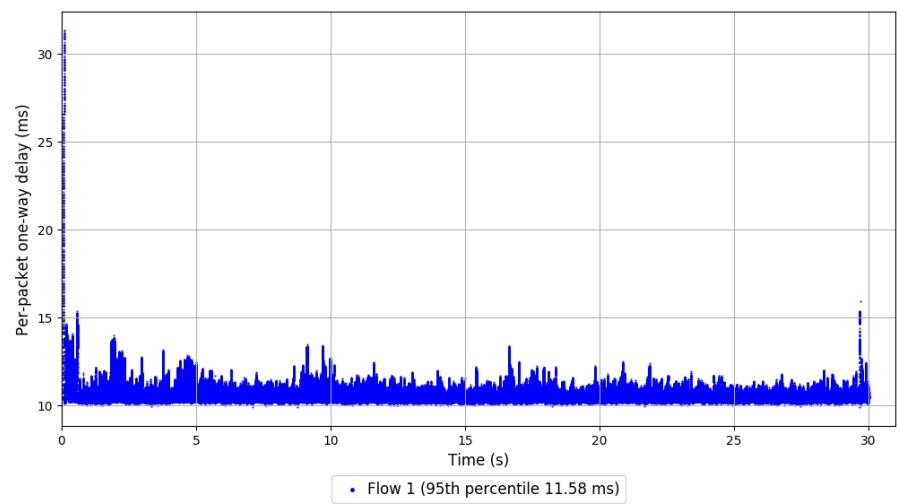
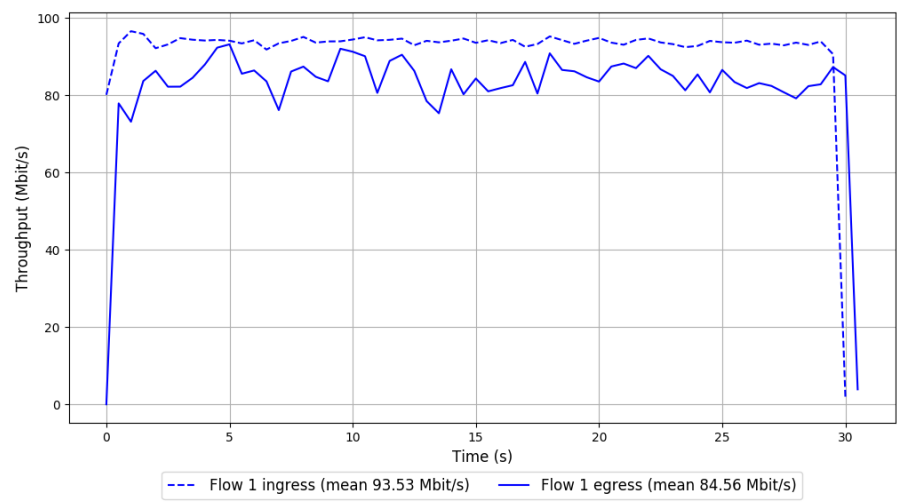


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-29 15:39:14
End at: 2018-06-29 15:39:44
Local clock offset: -0.384 ms
Remote clock offset: -4.928 ms

Below is generated by plot.py at 2018-06-29 16:17:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 11.576 ms
Loss rate: 9.59%
-- Flow 1:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 11.576 ms
Loss rate: 9.59%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-29 15:58:32

End at: 2018-06-29 15:59:02

Local clock offset: -2.069 ms

Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-06-29 16:17:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 9.016 ms

Loss rate: 13.19%

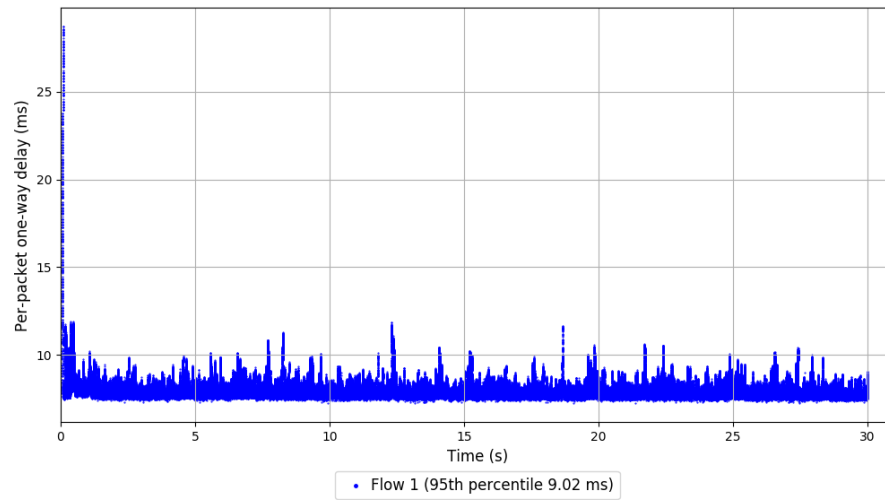
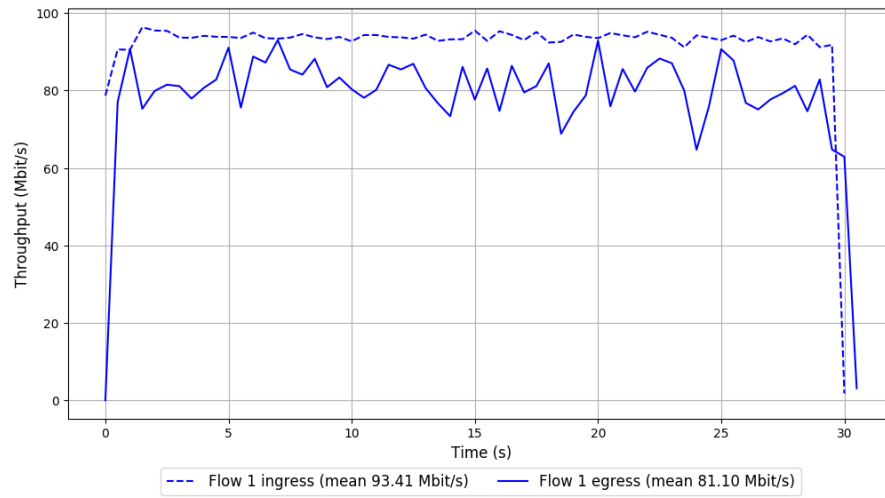
-- Flow 1:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 9.016 ms

Loss rate: 13.19%

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

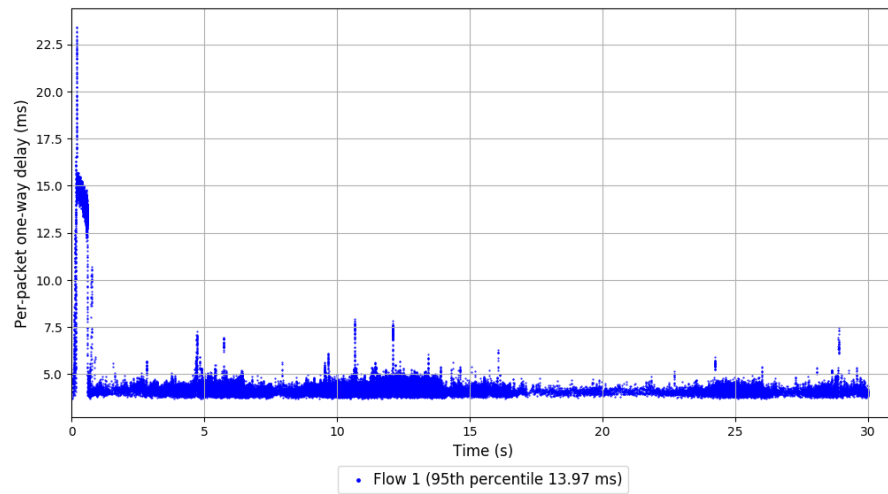
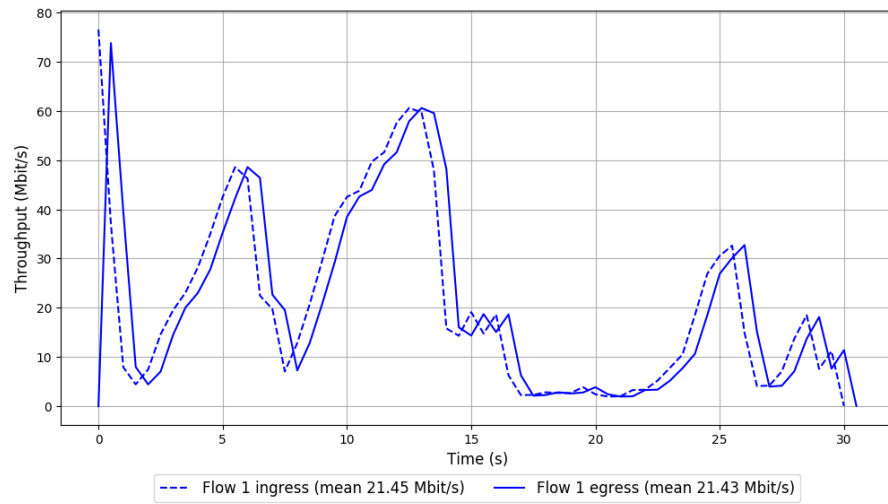


Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 12:59:48
End at: 2018-06-29 13:00:18
Local clock offset: 3.548 ms
Remote clock offset: -7.702 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 13.971 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 13.971 ms
Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

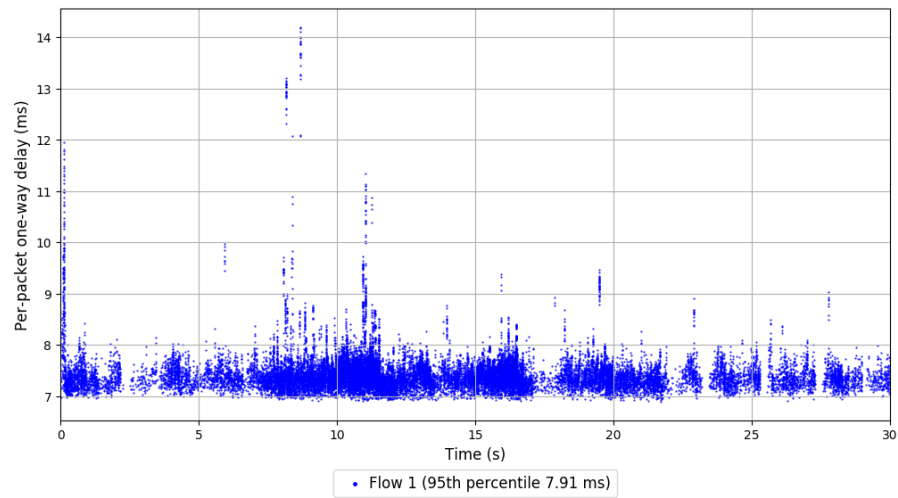
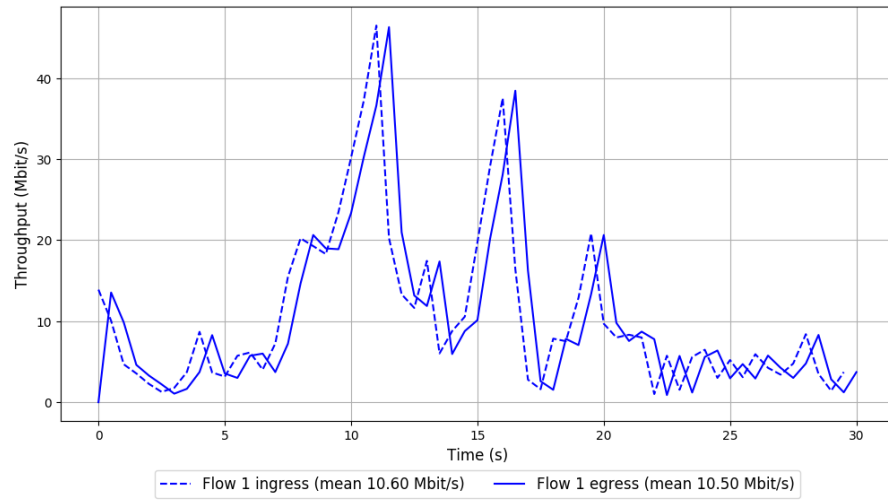


Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 13:19:04
End at: 2018-06-29 13:19:34
Local clock offset: 0.498 ms
Remote clock offset: -6.411 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 7.908 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 7.908 ms
Loss rate: 1.03%

Run 2: Report of TCP Vegas — Data Link

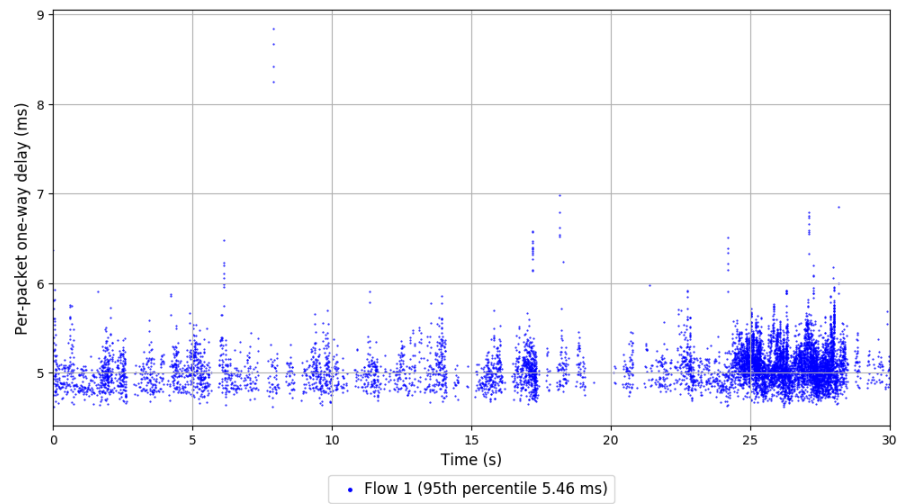
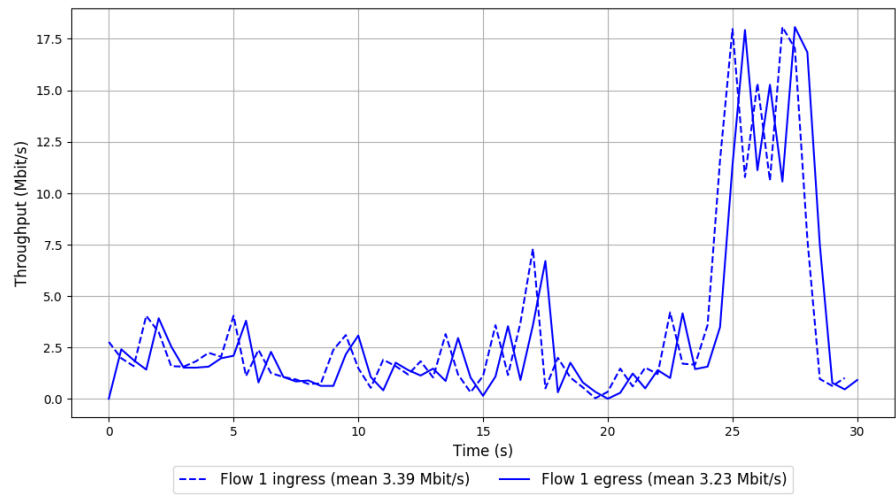


Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 13:38:23
End at: 2018-06-29 13:38:53
Local clock offset: 0.693 ms
Remote clock offset: -12.842 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 5.460 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 5.460 ms
Loss rate: 4.77%

Run 3: Report of TCP Vegas — Data Link

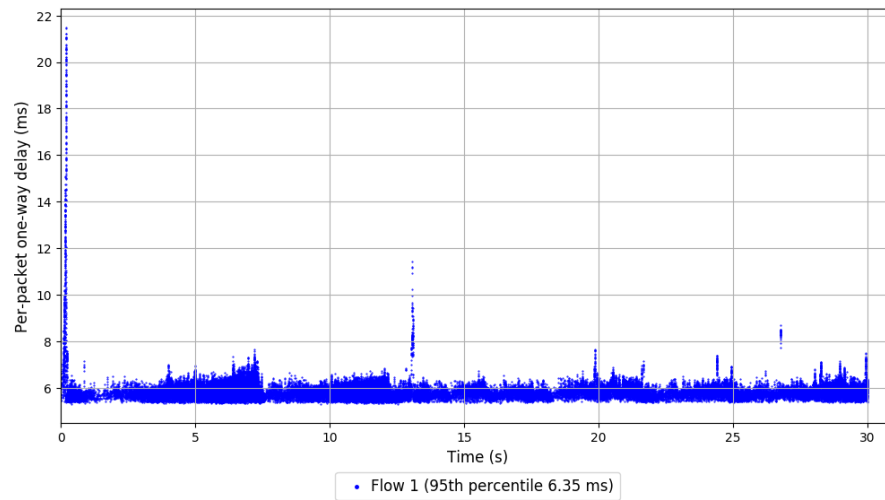
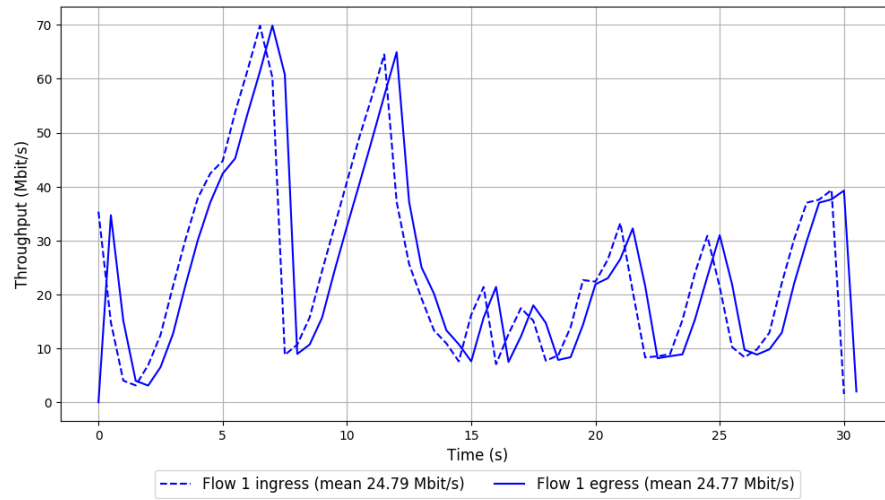


Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 13:57:31
End at: 2018-06-29 13:58:01
Local clock offset: 3.011 ms
Remote clock offset: -14.733 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 6.350 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 6.350 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 14:16:51

End at: 2018-06-29 14:17:21

Local clock offset: -0.669 ms

Remote clock offset: -11.678 ms

Below is generated by plot.py at 2018-06-29 16:17:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.73 Mbit/s

95th percentile per-packet one-way delay: 9.295 ms

Loss rate: 0.10%

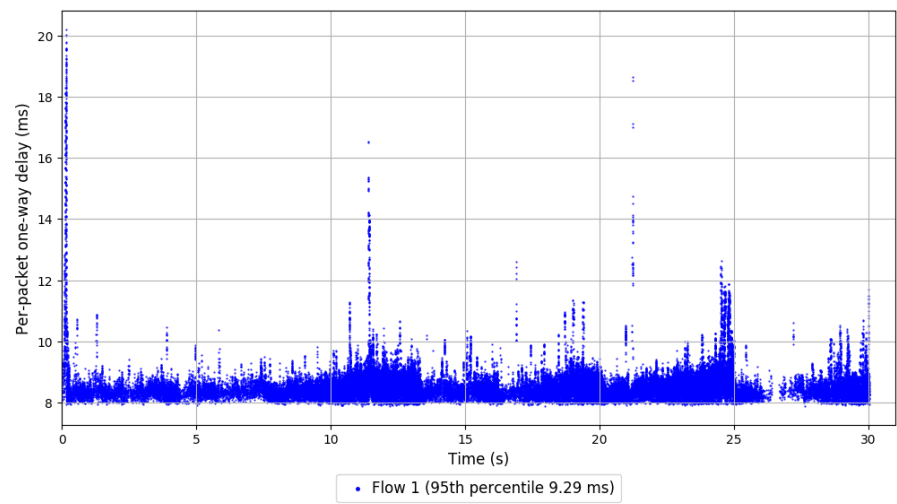
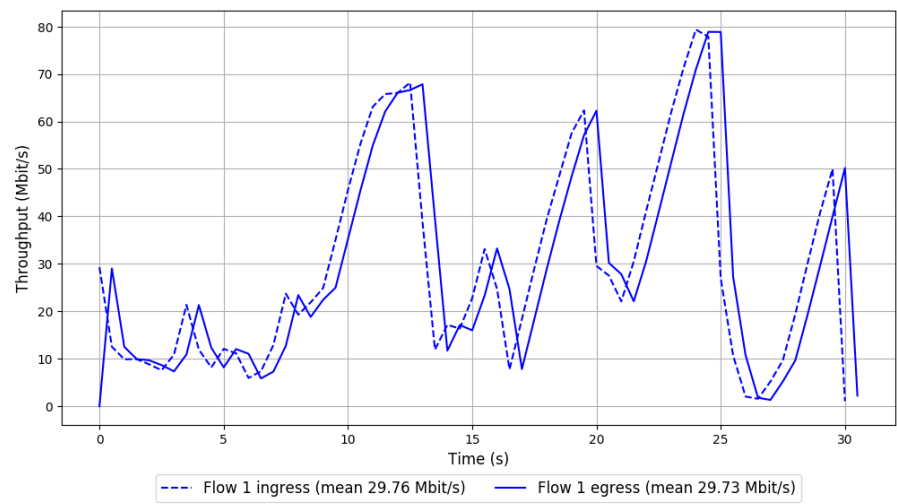
-- Flow 1:

Average throughput: 29.73 Mbit/s

95th percentile per-packet one-way delay: 9.295 ms

Loss rate: 0.10%

Run 5: Report of TCP Vegas — Data Link

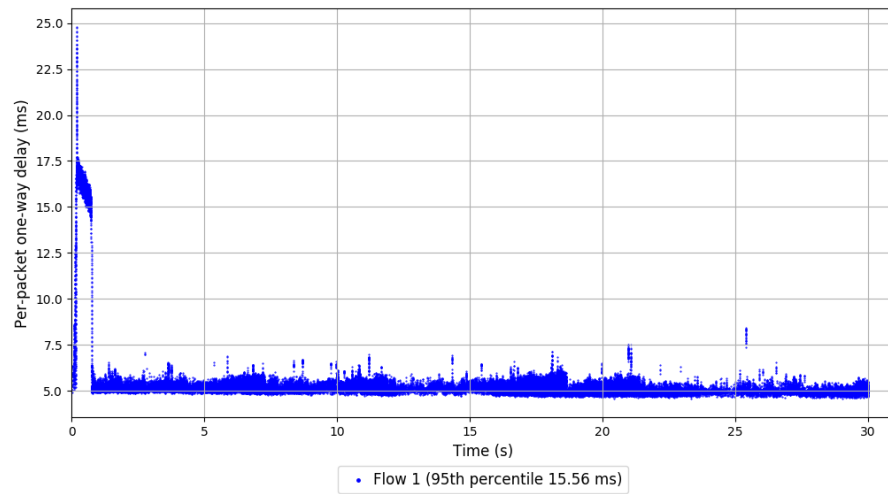
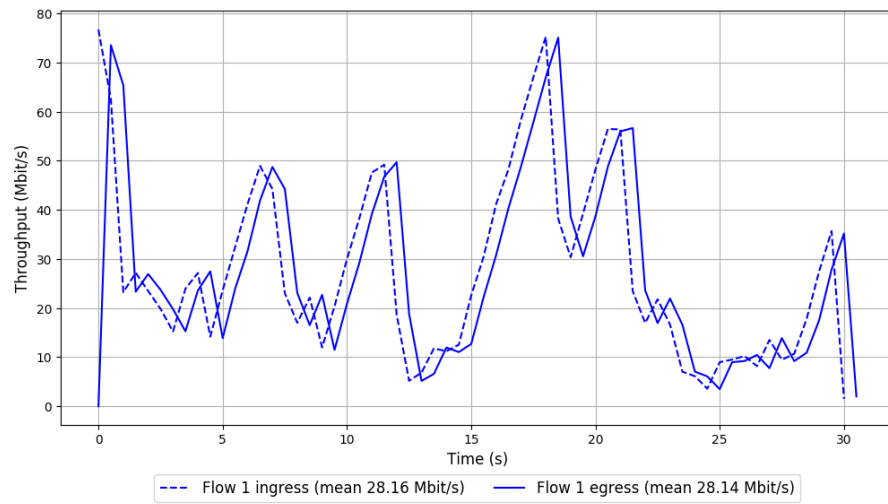


Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 14:36:11
End at: 2018-06-29 14:36:41
Local clock offset: 3.832 ms
Remote clock offset: -11.035 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 15.565 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 15.565 ms
Loss rate: 0.07%

Run 6: Report of TCP Vegas — Data Link

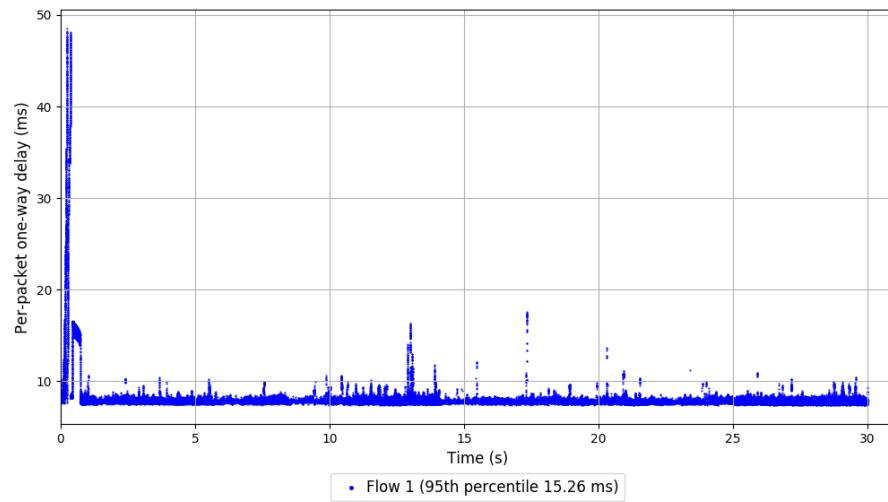
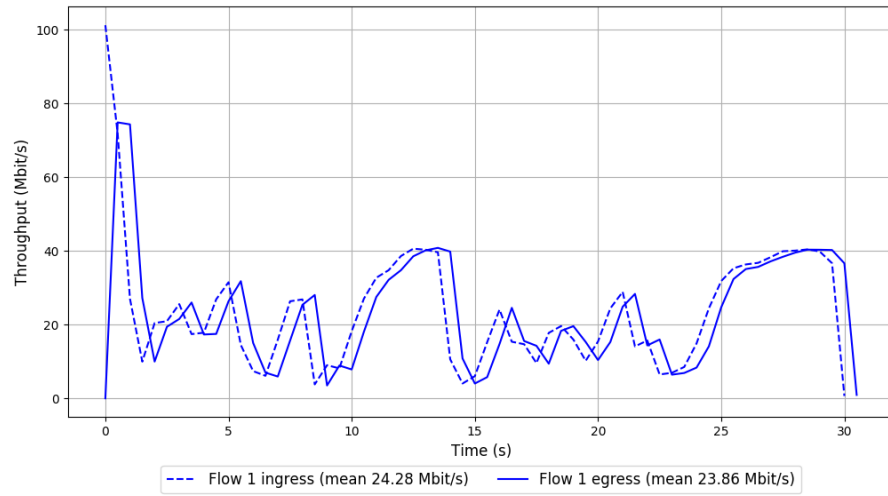


Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 14:55:23
End at: 2018-06-29 14:55:53
Local clock offset: 0.116 ms
Remote clock offset: -3.663 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 15.263 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 15.263 ms
Loss rate: 1.74%

Run 7: Report of TCP Vegas — Data Link

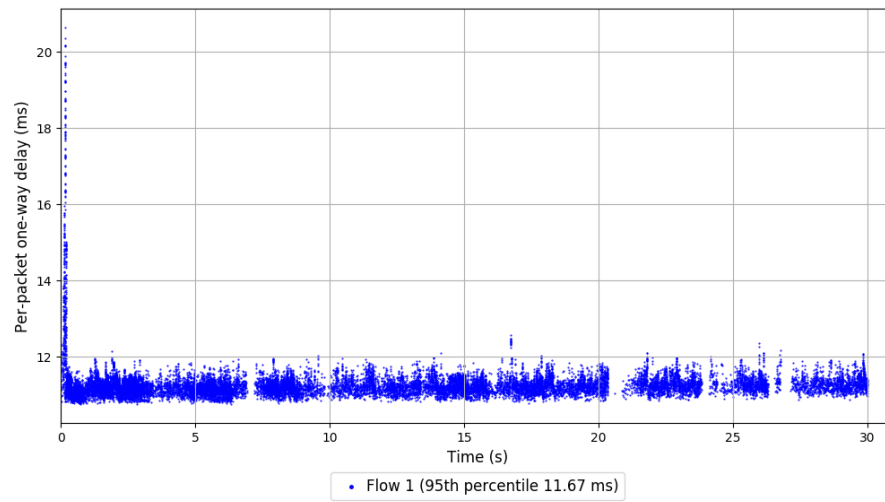
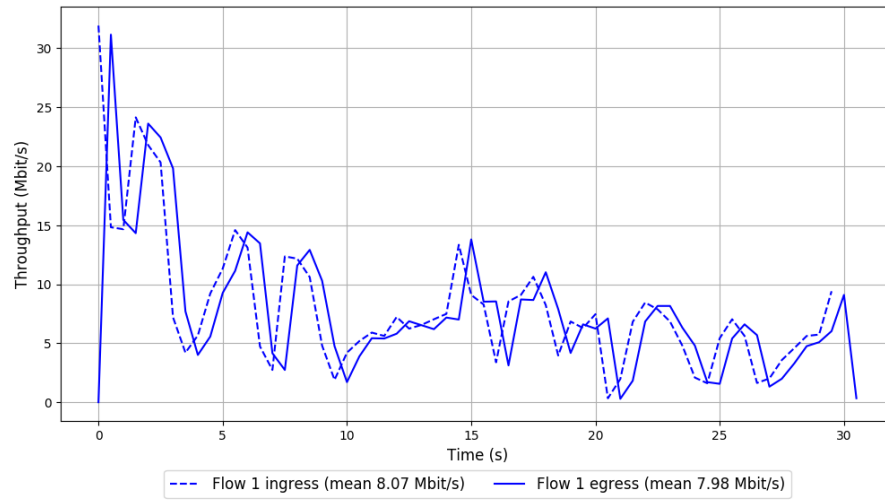


Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 15:15:06
End at: 2018-06-29 15:15:36
Local clock offset: -1.622 ms
Remote clock offset: -3.835 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 11.666 ms
Loss rate: 1.21%

Run 8: Report of TCP Vegas — Data Link

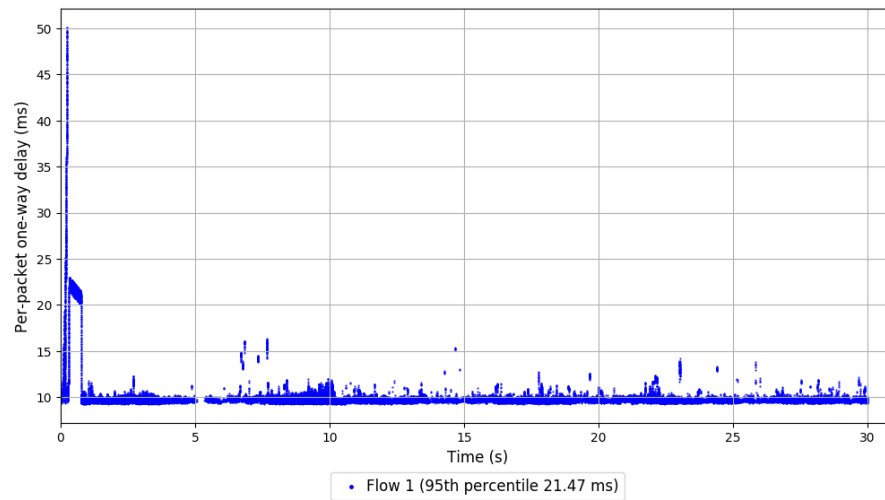
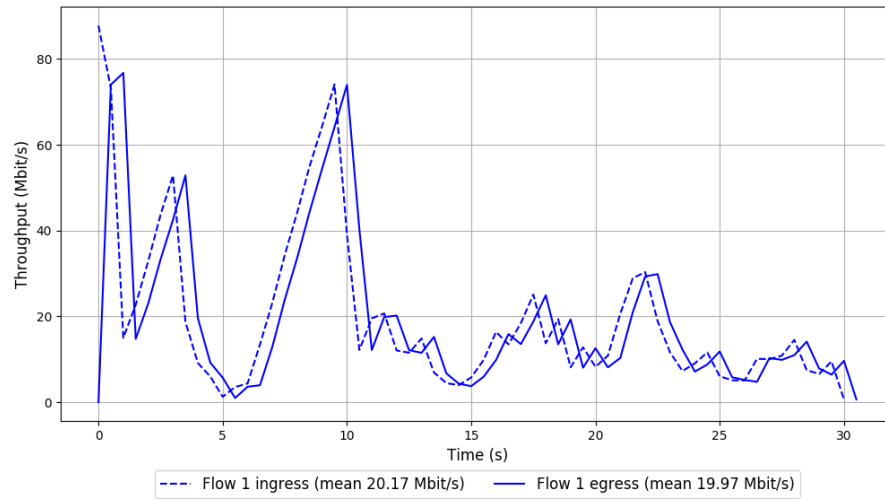


Run 9: Statistics of TCP Vegas

Start at: 2018-06-29 15:34:44
End at: 2018-06-29 15:35:14
Local clock offset: -1.548 ms
Remote clock offset: -5.302 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 21.468 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 21.468 ms
Loss rate: 1.03%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-29 15:54:08

End at: 2018-06-29 15:54:38

Local clock offset: -0.363 ms

Remote clock offset: -2.961 ms

Below is generated by plot.py at 2018-06-29 16:17:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 10.927 ms

Loss rate: 1.12%

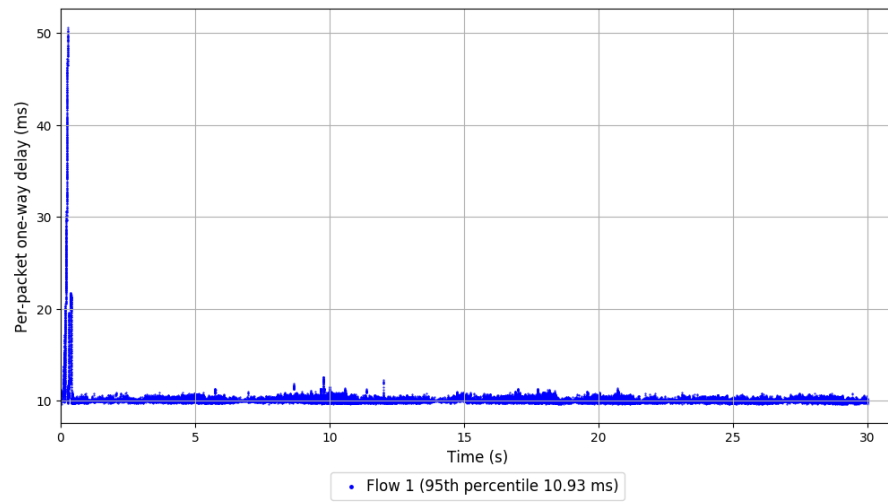
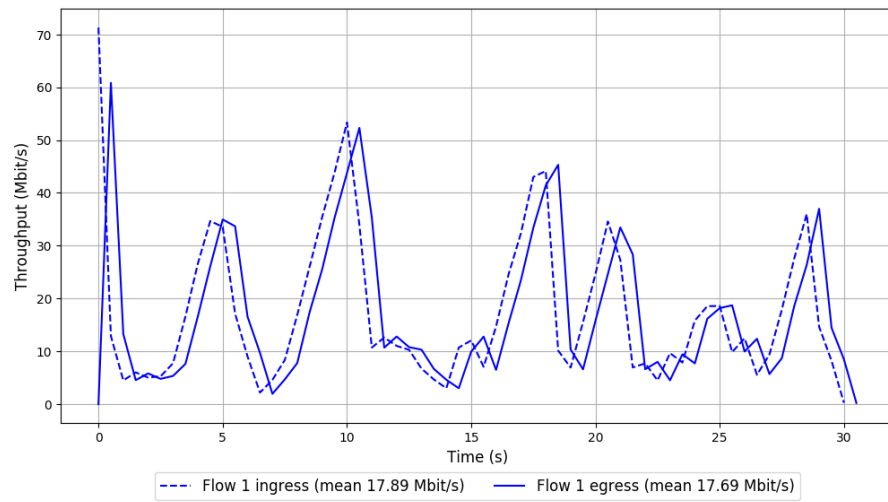
-- Flow 1:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 10.927 ms

Loss rate: 1.12%

Run 10: Report of TCP Vegas — Data Link

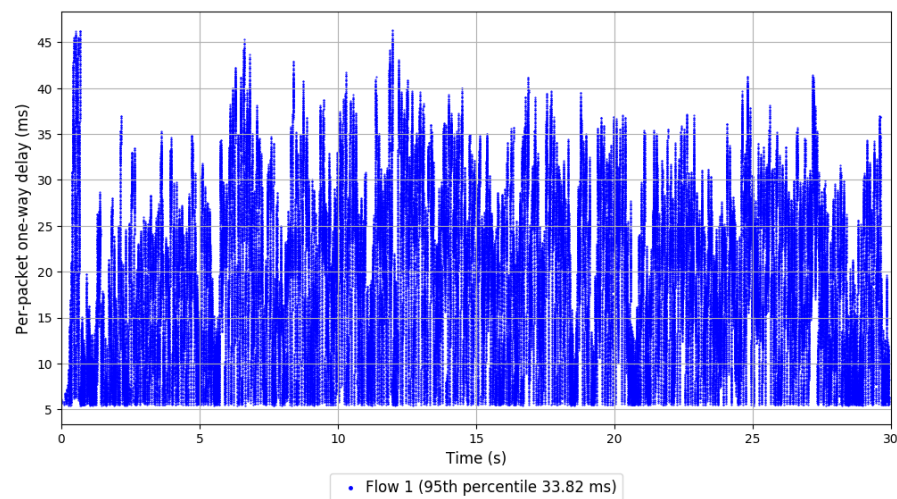
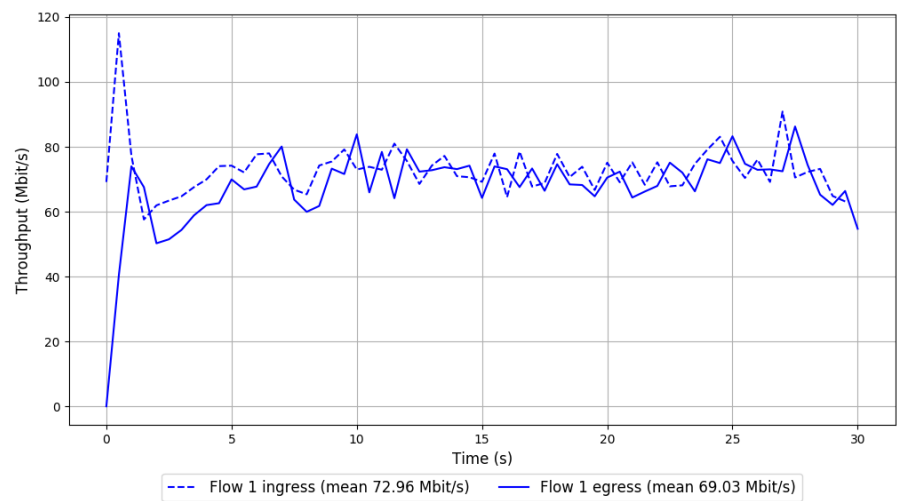


Run 1: Statistics of Verus

Start at: 2018-06-29 12:53:00
End at: 2018-06-29 12:53:30
Local clock offset: 1.472 ms
Remote clock offset: -7.982 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 5.38%

Run 1: Report of Verus — Data Link

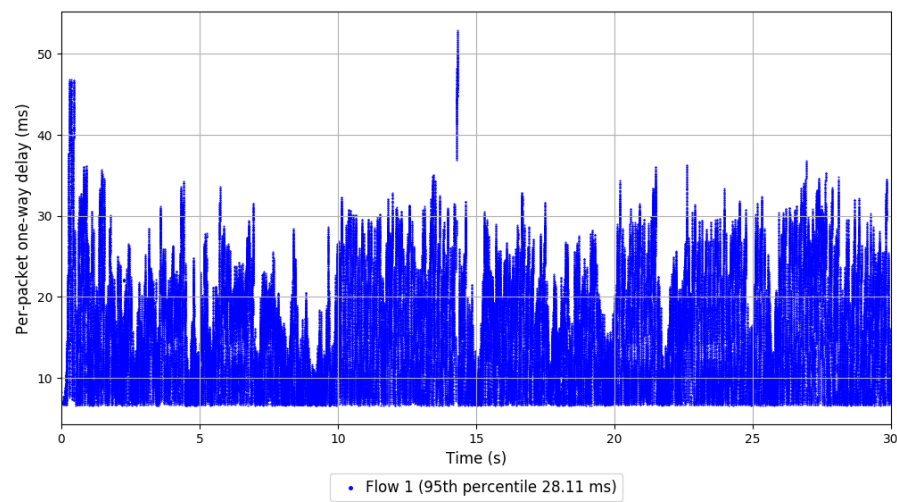
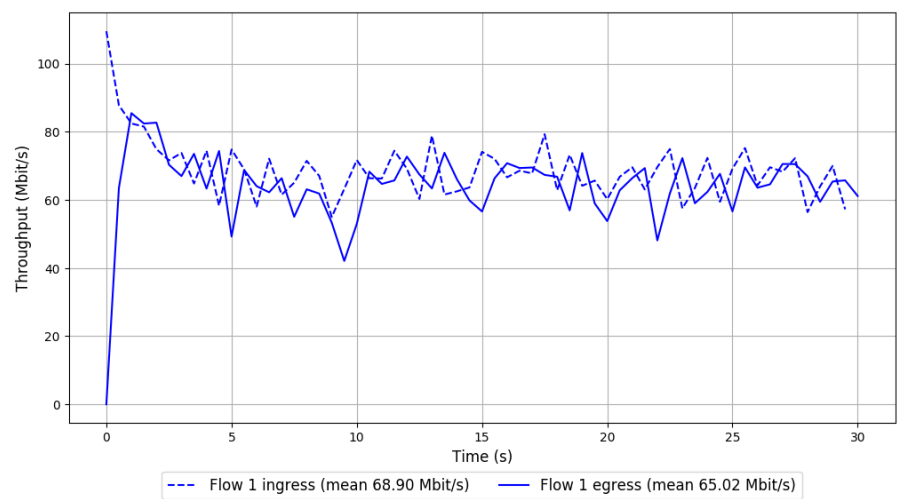


Run 2: Statistics of Verus

Start at: 2018-06-29 13:12:07
End at: 2018-06-29 13:12:37
Local clock offset: 1.708 ms
Remote clock offset: -6.039 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 28.112 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 28.112 ms
Loss rate: 5.60%

Run 2: Report of Verus — Data Link

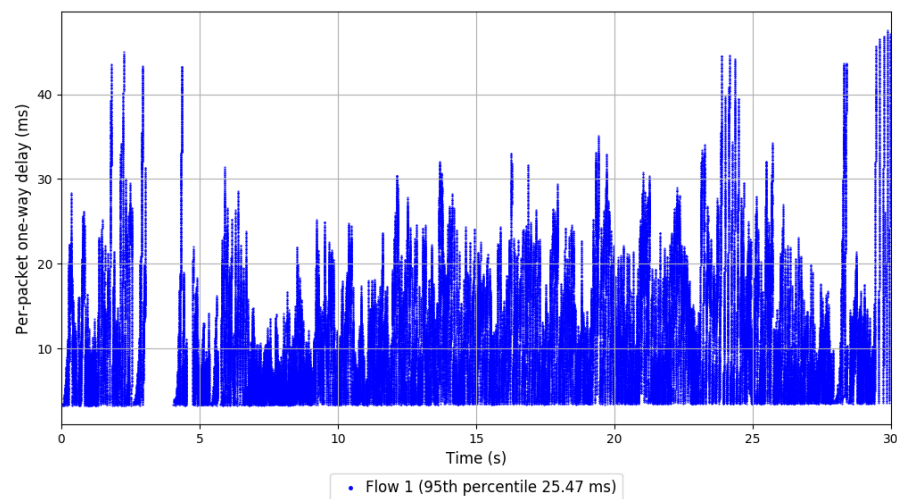
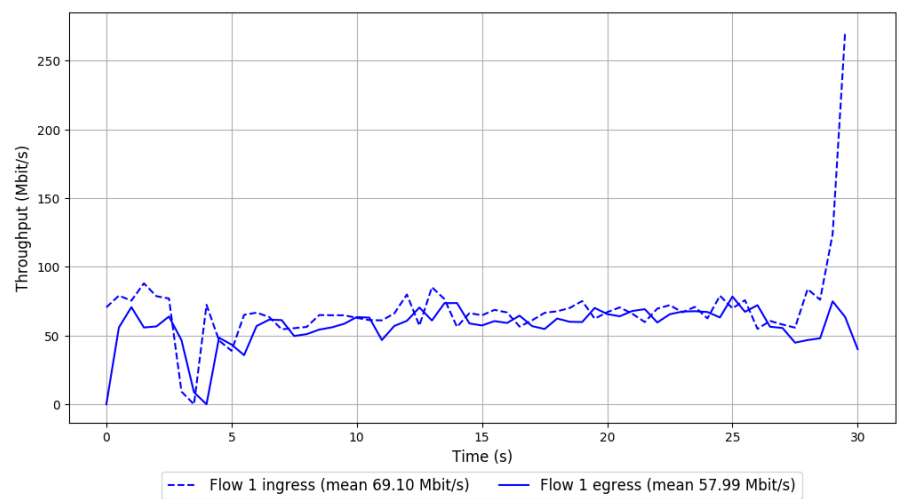


Run 3: Statistics of Verus

Start at: 2018-06-29 13:31:30
End at: 2018-06-29 13:32:00
Local clock offset: 2.562 ms
Remote clock offset: -12.307 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 25.468 ms
Loss rate: 16.04%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 25.468 ms
Loss rate: 16.04%

Run 3: Report of Verus — Data Link

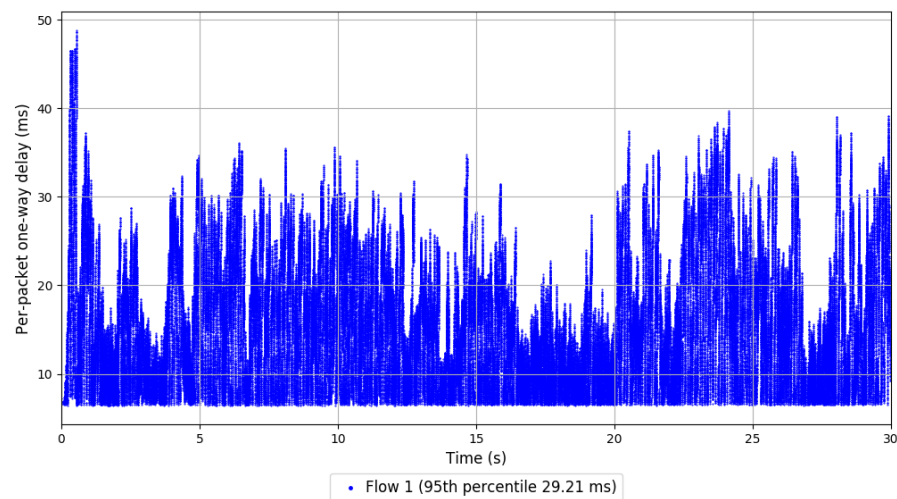
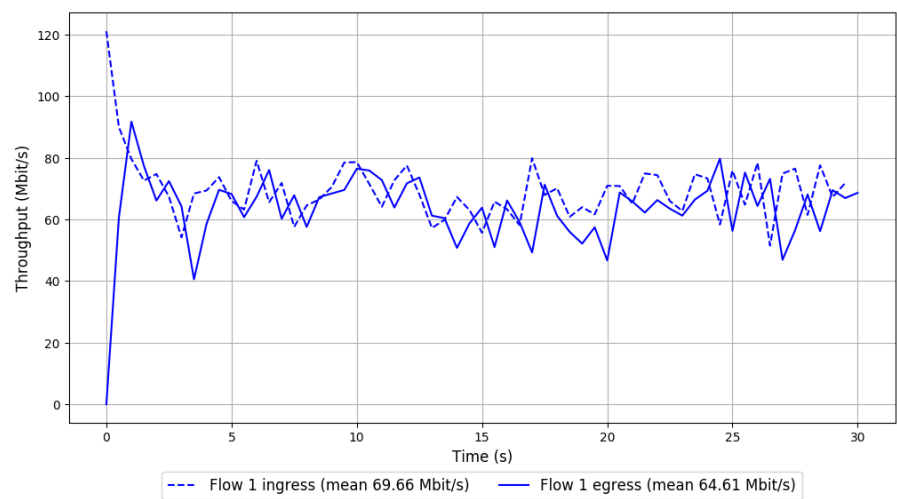


Run 4: Statistics of Verus

Start at: 2018-06-29 13:50:44
End at: 2018-06-29 13:51:14
Local clock offset: 1.59 ms
Remote clock offset: -14.919 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 29.214 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 29.214 ms
Loss rate: 7.28%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-29 14:09:55

End at: 2018-06-29 14:10:25

Local clock offset: -0.058 ms

Remote clock offset: 2.065 ms

Below is generated by plot.py at 2018-06-29 16:17:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.31 Mbit/s

95th percentile per-packet one-way delay: 57.653 ms

Loss rate: 27.00%

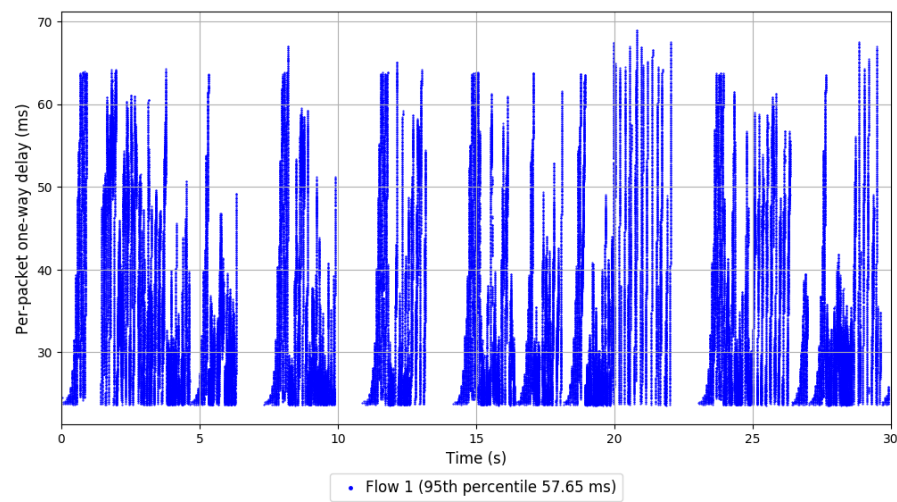
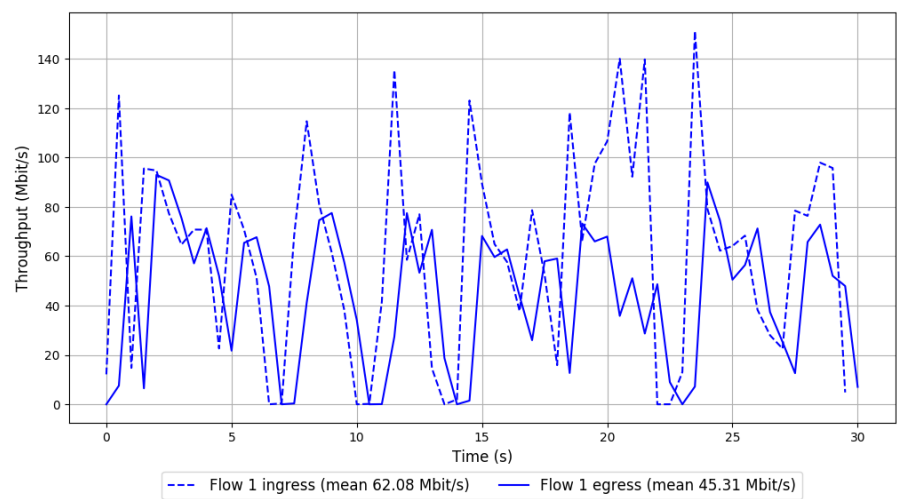
-- Flow 1:

Average throughput: 45.31 Mbit/s

95th percentile per-packet one-way delay: 57.653 ms

Loss rate: 27.00%

Run 5: Report of Verus — Data Link

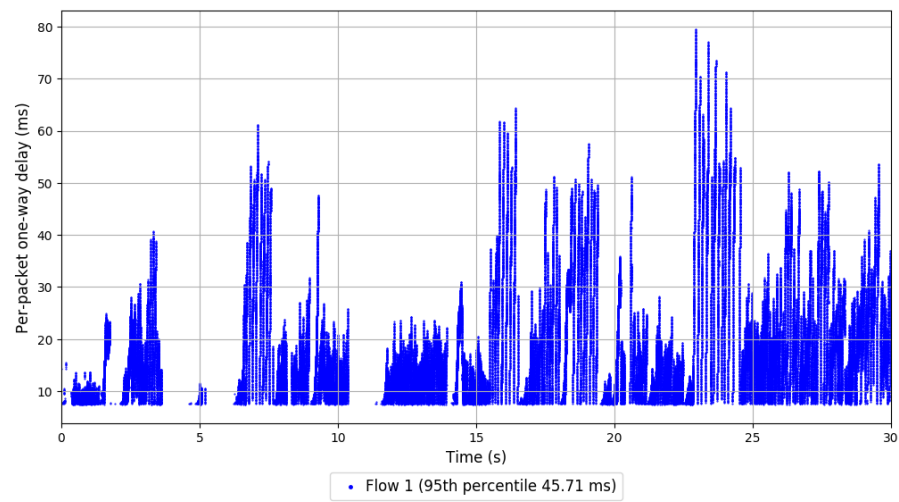
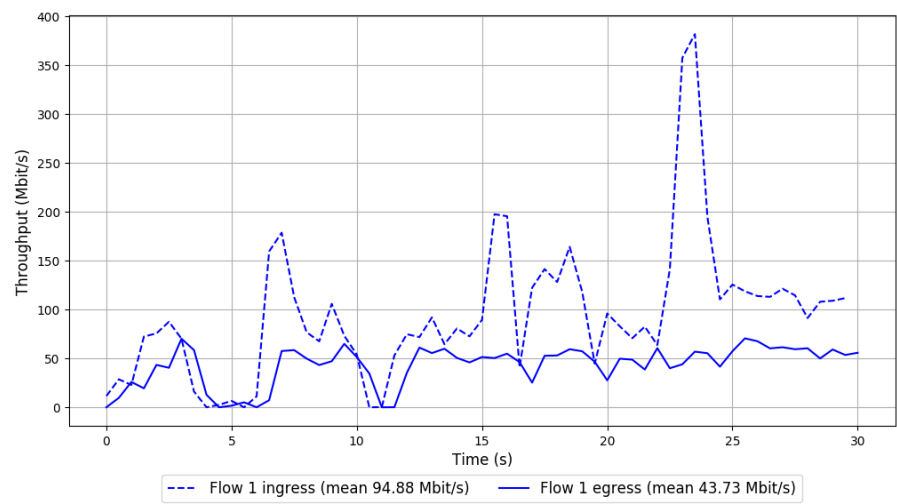


Run 6: Statistics of Verus

Start at: 2018-06-29 14:29:23
End at: 2018-06-29 14:29:53
Local clock offset: 0.179 ms
Remote clock offset: -11.633 ms

Below is generated by plot.py at 2018-06-29 16:17:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 45.714 ms
Loss rate: 53.90%
-- Flow 1:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 45.714 ms
Loss rate: 53.90%

Run 6: Report of Verus — Data Link

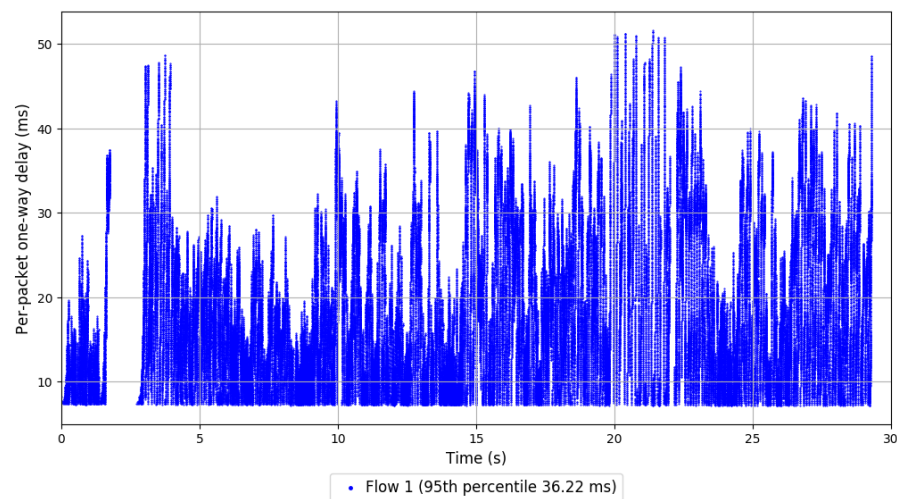
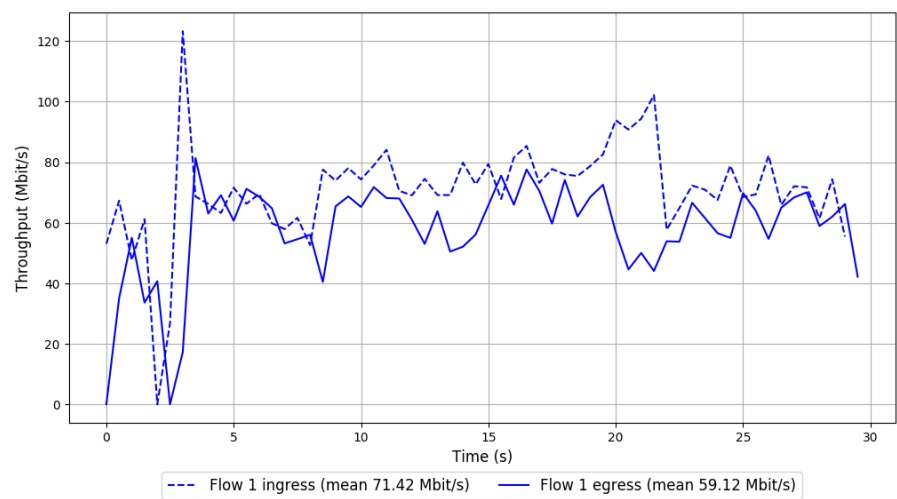


Run 7: Statistics of Verus

Start at: 2018-06-29 14:48:36
End at: 2018-06-29 14:49:06
Local clock offset: 1.867 ms
Remote clock offset: -5.288 ms

Below is generated by plot.py at 2018-06-29 16:18:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 36.219 ms
Loss rate: 17.13%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 36.219 ms
Loss rate: 17.13%

Run 7: Report of Verus — Data Link

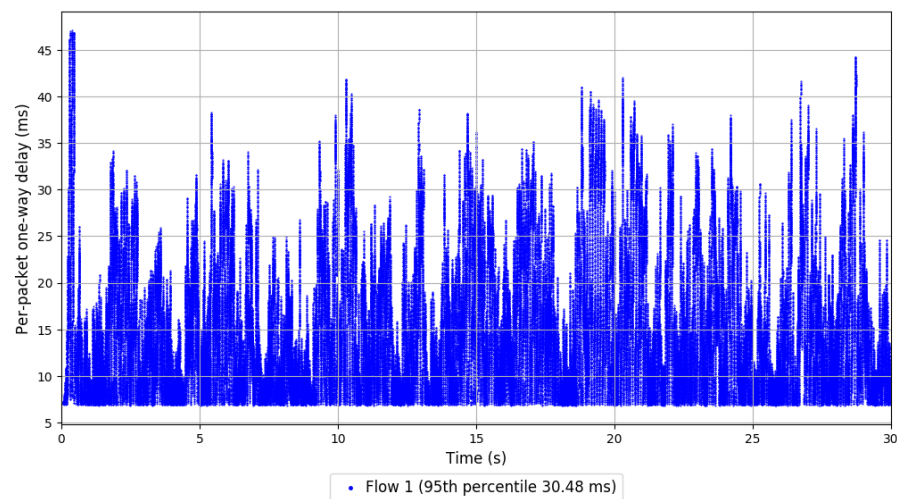
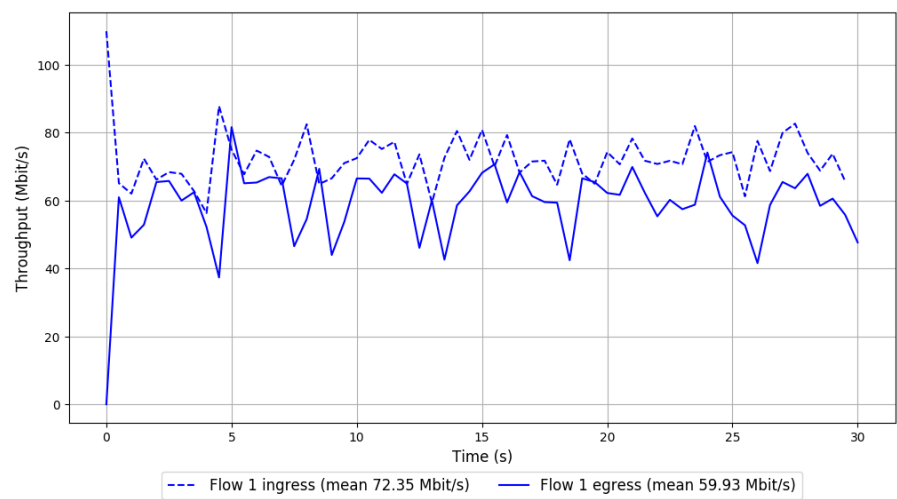


Run 8: Statistics of Verus

Start at: 2018-06-29 15:08:08
End at: 2018-06-29 15:08:38
Local clock offset: 1.969 ms
Remote clock offset: -2.221 ms

Below is generated by plot.py at 2018-06-29 16:18:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 17.18%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 17.18%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-29 15:27:45

End at: 2018-06-29 15:28:15

Local clock offset: 2.391 ms

Remote clock offset: -5.75 ms

Below is generated by plot.py at 2018-06-29 16:18:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 38.531 ms

Loss rate: 25.99%

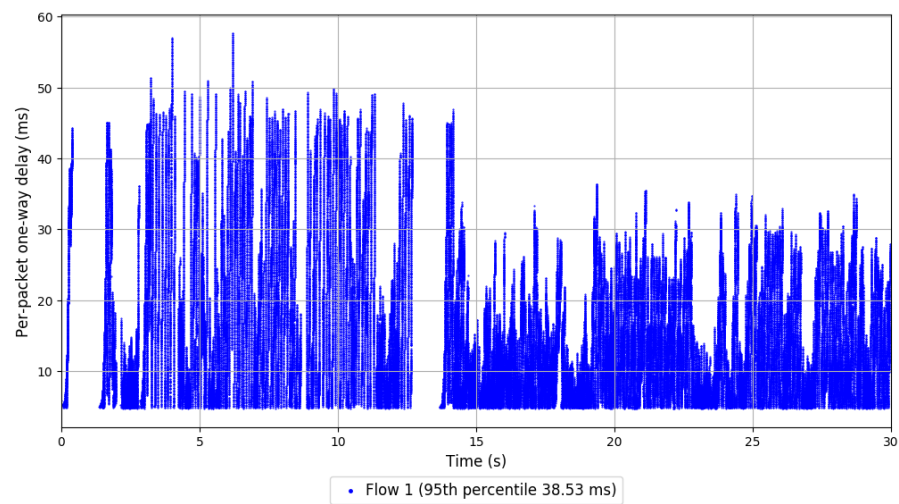
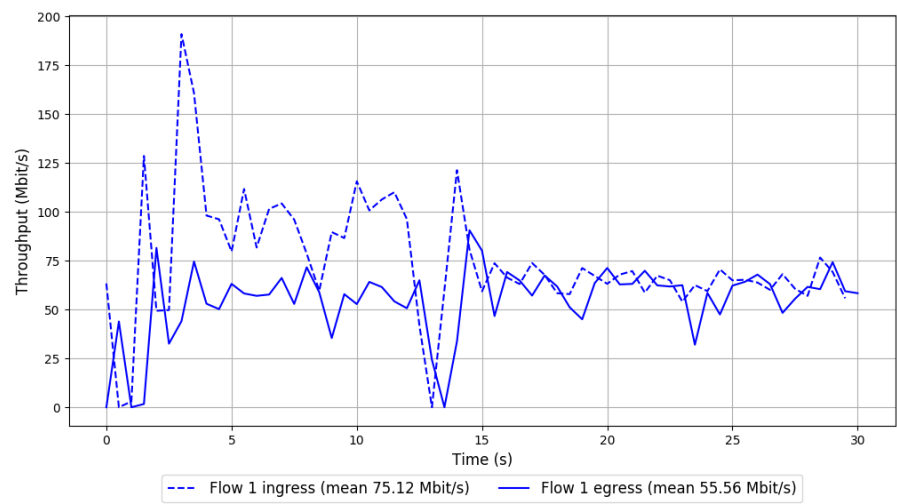
-- Flow 1:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 38.531 ms

Loss rate: 25.99%

Run 9: Report of Verus — Data Link

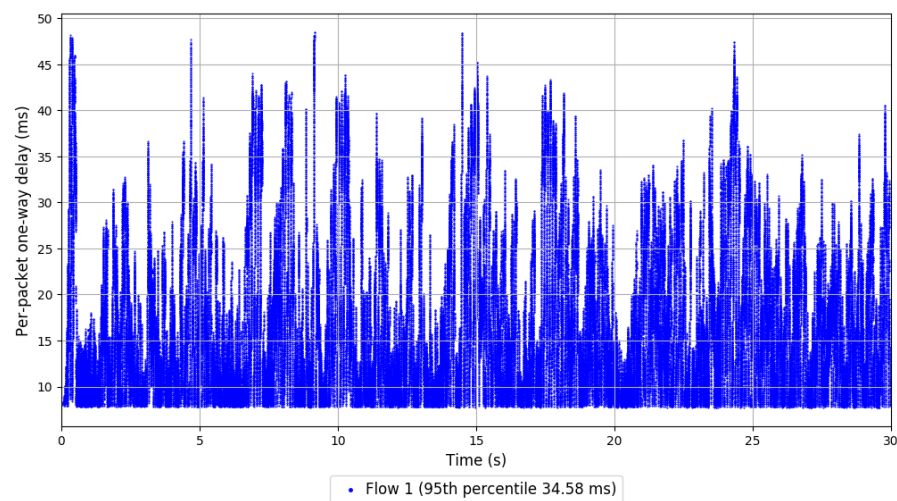
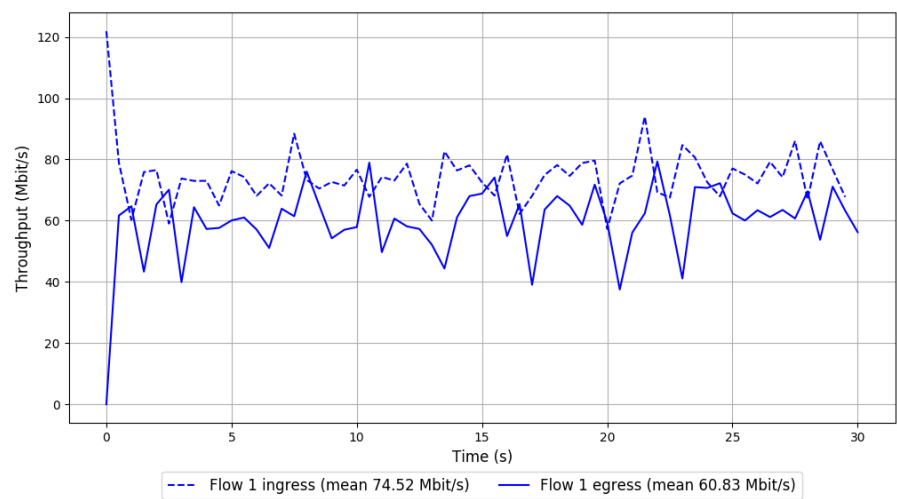


Run 10: Statistics of Verus

Start at: 2018-06-29 15:47:18
End at: 2018-06-29 15:47:48
Local clock offset: 1.461 ms
Remote clock offset: -4.281 ms

Below is generated by plot.py at 2018-06-29 16:18:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 34.582 ms
Loss rate: 18.38%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 34.582 ms
Loss rate: 18.38%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 12:57:35

End at: 2018-06-29 12:58:05

Local clock offset: -0.606 ms

Remote clock offset: -8.17 ms

Below is generated by plot.py at 2018-06-29 16:18:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.79 Mbit/s

95th percentile per-packet one-way delay: 8.084 ms

Loss rate: 4.06%

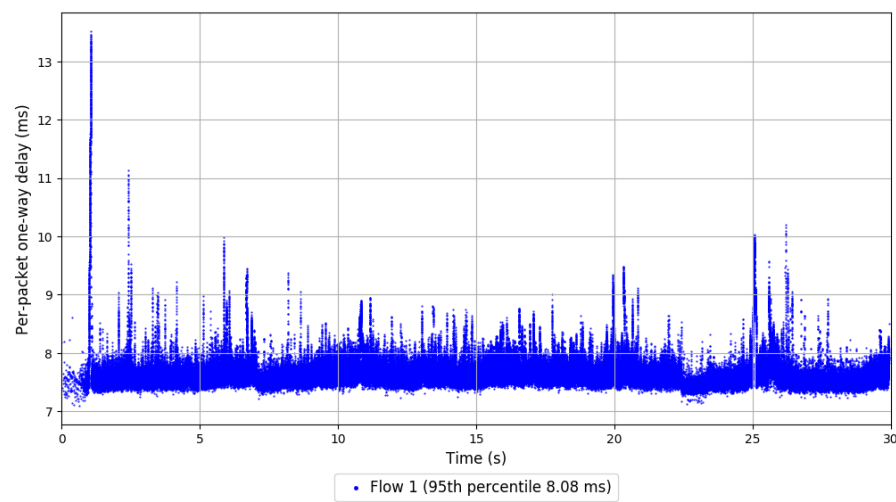
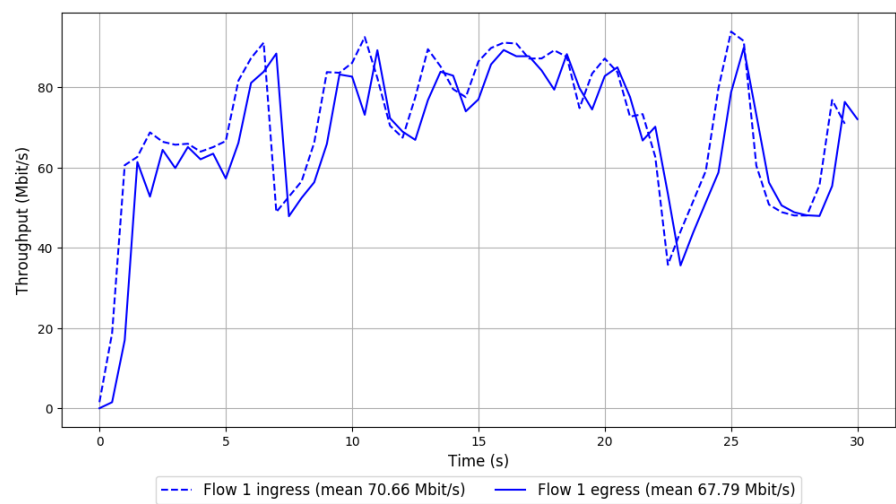
-- Flow 1:

Average throughput: 67.79 Mbit/s

95th percentile per-packet one-way delay: 8.084 ms

Loss rate: 4.06%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 13:16:49

End at: 2018-06-29 13:17:19

Local clock offset: 1.871 ms

Remote clock offset: -6.161 ms

Below is generated by plot.py at 2018-06-29 16:18:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.44 Mbit/s

95th percentile per-packet one-way delay: 6.708 ms

Loss rate: 4.78%

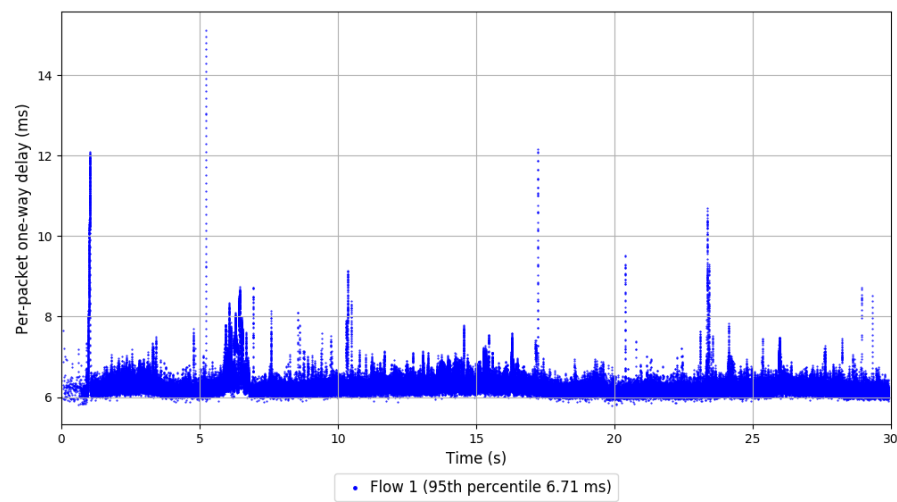
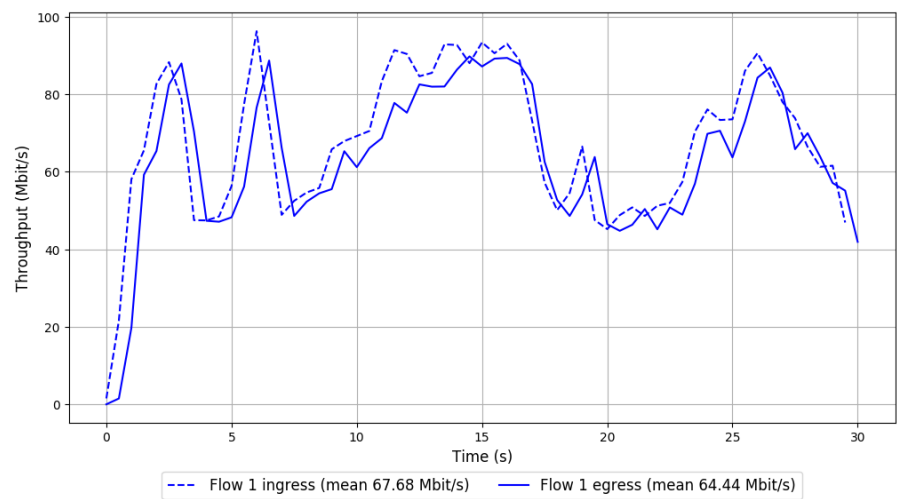
-- Flow 1:

Average throughput: 64.44 Mbit/s

95th percentile per-packet one-way delay: 6.708 ms

Loss rate: 4.78%

Run 2: Report of PCC-Vivace — Data Link

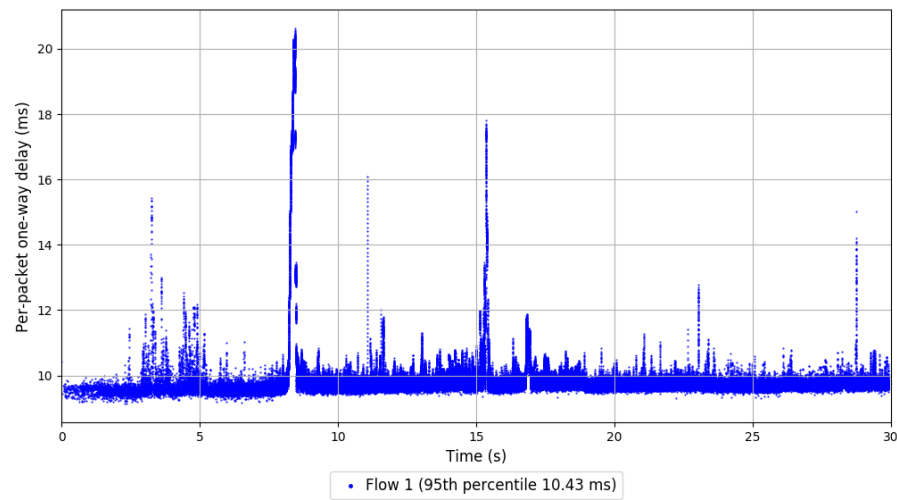
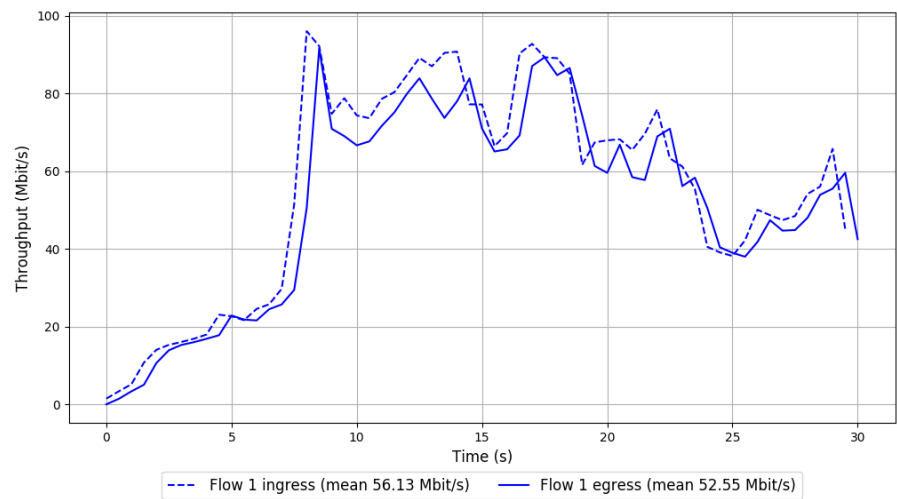


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 13:36:10
End at: 2018-06-29 13:36:40
Local clock offset: 2.052 ms
Remote clock offset: -10.626 ms

Below is generated by plot.py at 2018-06-29 16:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 10.430 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 10.430 ms
Loss rate: 6.40%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 13:55:20

End at: 2018-06-29 13:55:50

Local clock offset: 2.733 ms

Remote clock offset: -14.27 ms

Below is generated by plot.py at 2018-06-29 16:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 7.022 ms

Loss rate: 1.72%

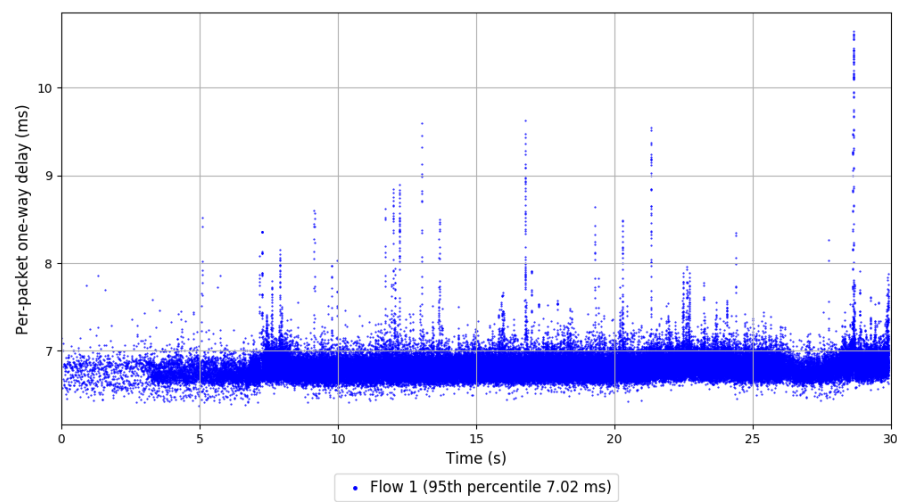
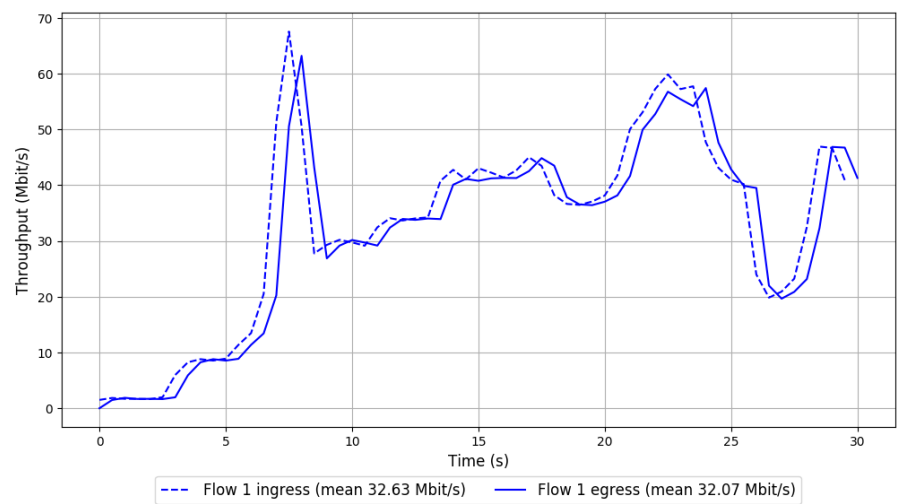
-- Flow 1:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 7.022 ms

Loss rate: 1.72%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 14:14:38

End at: 2018-06-29 14:15:08

Local clock offset: 3.441 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-29 16:18:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 16.135 ms

Loss rate: 6.56%

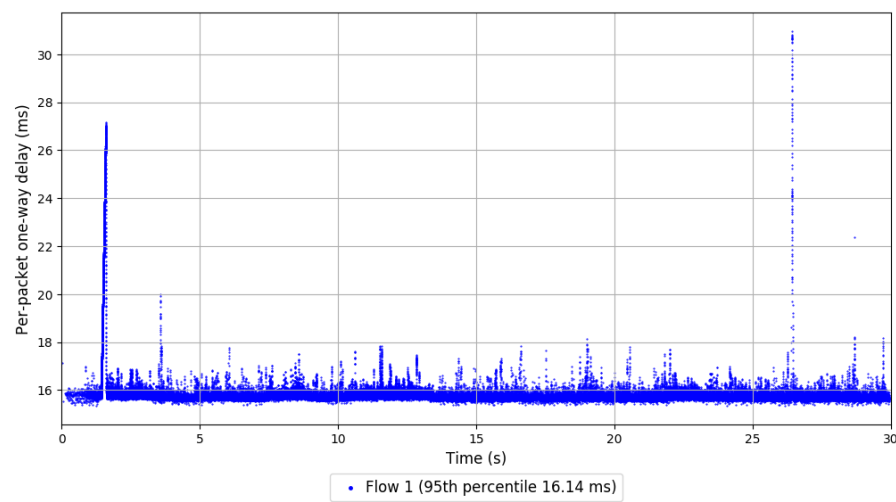
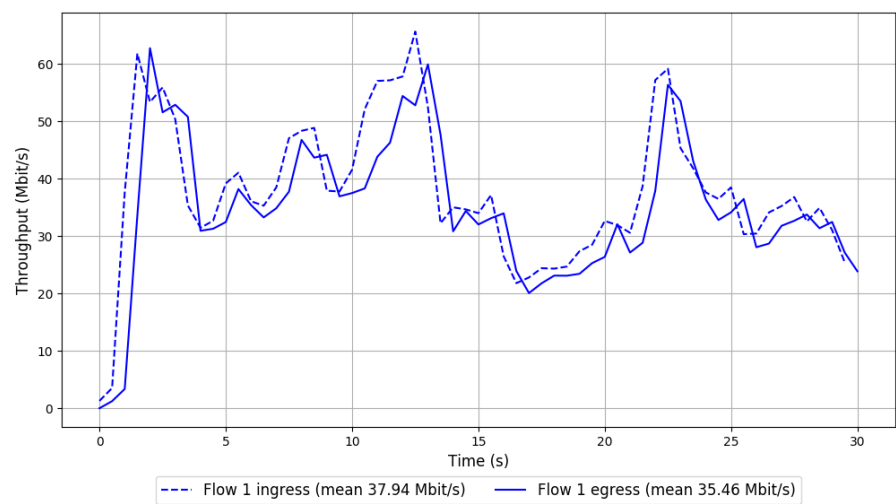
-- Flow 1:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 16.135 ms

Loss rate: 6.56%

Run 5: Report of PCC-Vivace — Data Link

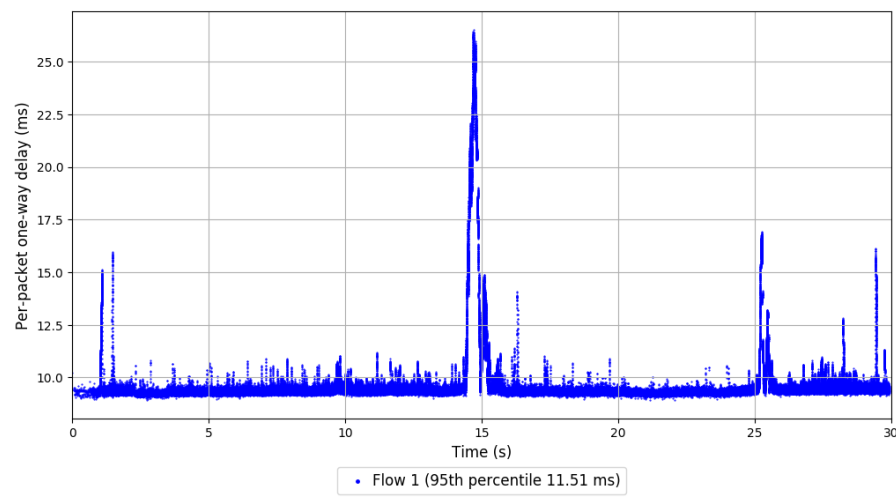
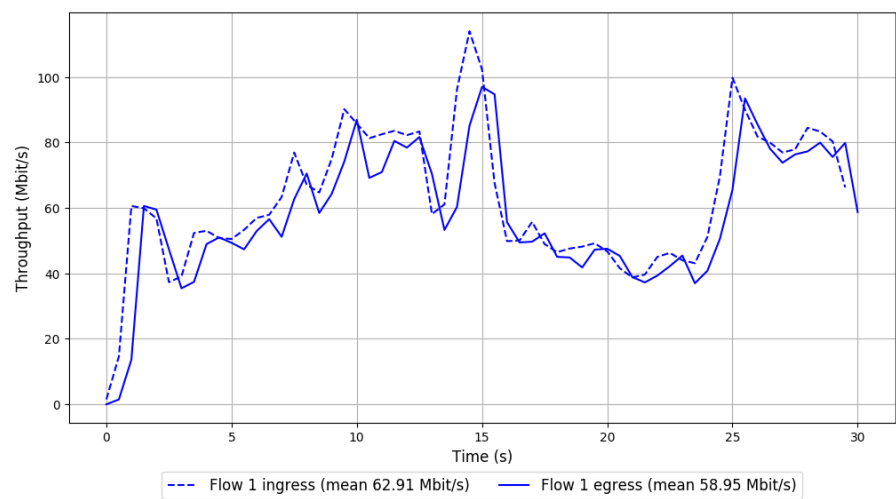


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 14:33:59
End at: 2018-06-29 14:34:29
Local clock offset: 0.112 ms
Remote clock offset: -11.813 ms

Below is generated by plot.py at 2018-06-29 16:18:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 11.506 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 11.506 ms
Loss rate: 6.30%

Run 6: Report of PCC-Vivace — Data Link

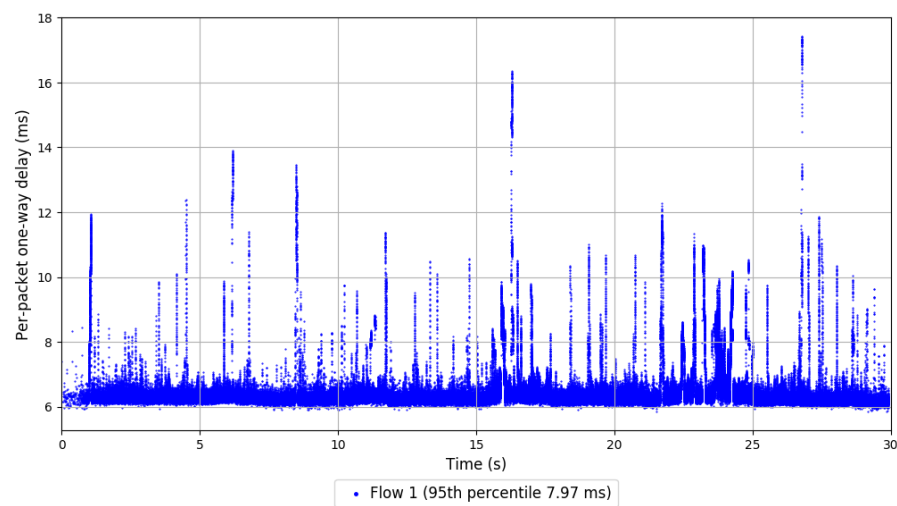
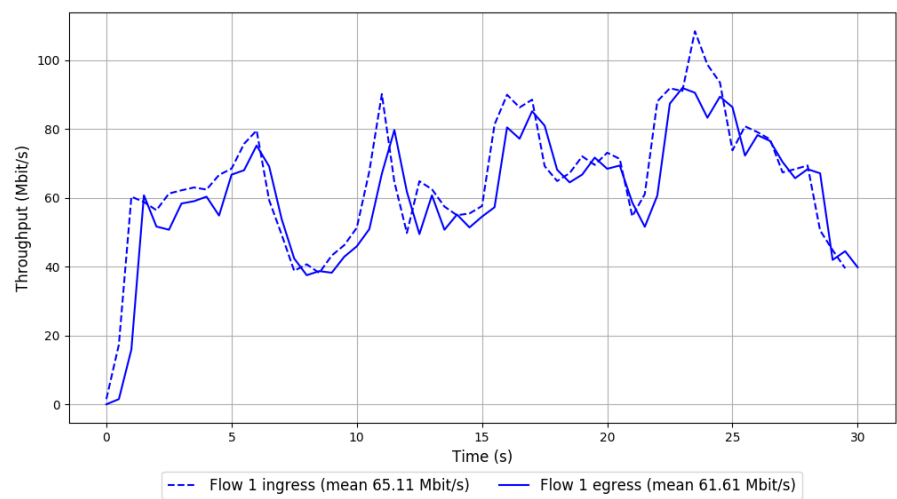


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 14:53:11
End at: 2018-06-29 14:53:41
Local clock offset: 1.067 ms
Remote clock offset: -4.586 ms

Below is generated by plot.py at 2018-06-29 16:18:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 7.974 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 7.974 ms
Loss rate: 5.38%

Run 7: Report of PCC-Vivace — Data Link

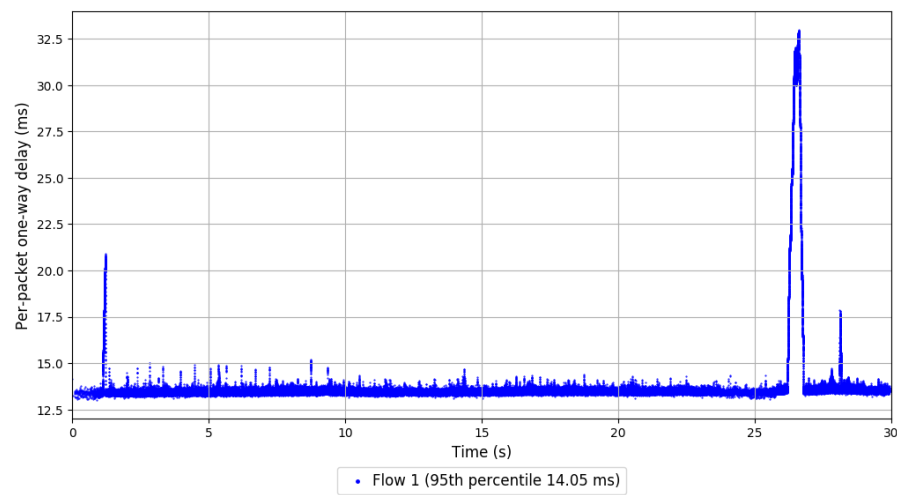
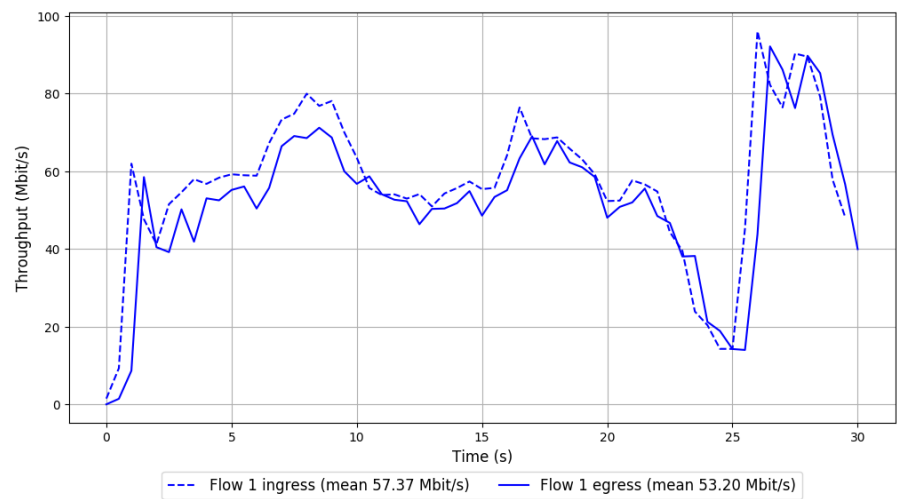


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-29 15:12:53
End at: 2018-06-29 15:13:23
Local clock offset: -3.859 ms
Remote clock offset: -3.162 ms

Below is generated by plot.py at 2018-06-29 16:18:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 7.27%

Run 8: Report of PCC-Vivace — Data Link

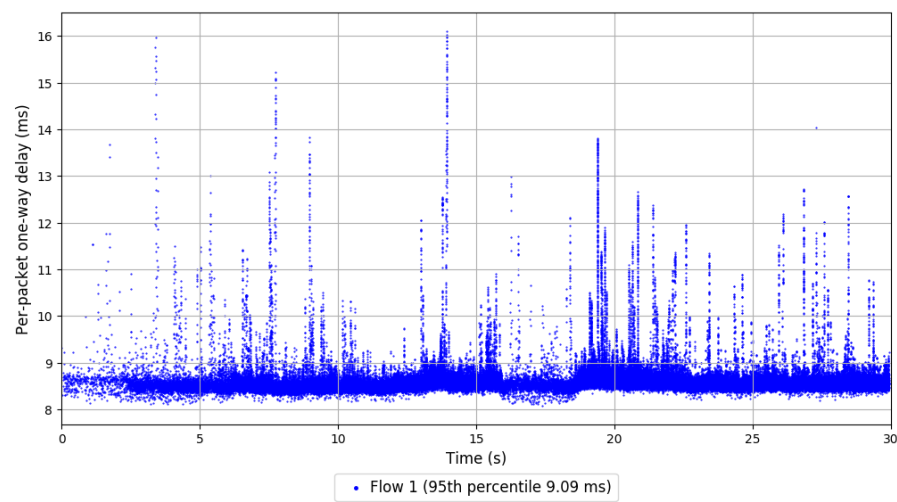
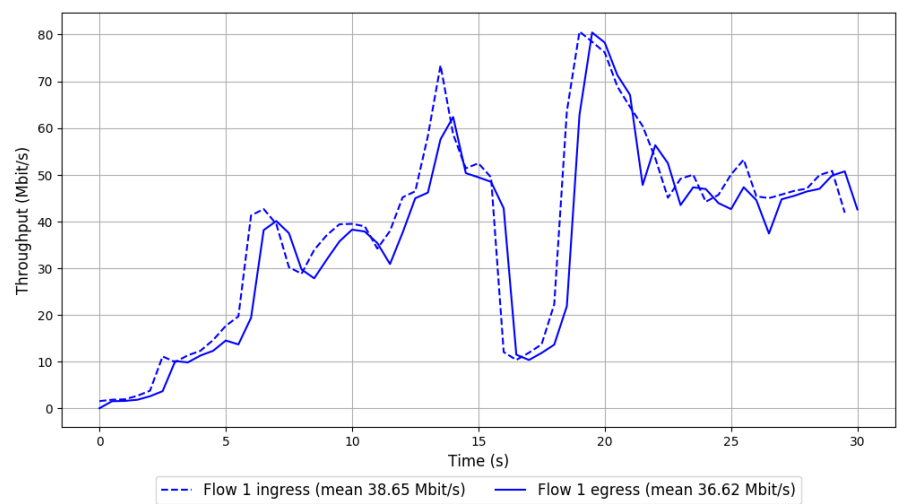


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-29 15:32:31
End at: 2018-06-29 15:33:01
Local clock offset: -0.563 ms
Remote clock offset: -5.168 ms

Below is generated by plot.py at 2018-06-29 16:18:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 9.085 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 9.085 ms
Loss rate: 5.27%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-29 15:51:55

End at: 2018-06-29 15:52:25

Local clock offset: -0.879 ms

Remote clock offset: -3.711 ms

Below is generated by plot.py at 2018-06-29 16:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 9.044 ms

Loss rate: 5.67%

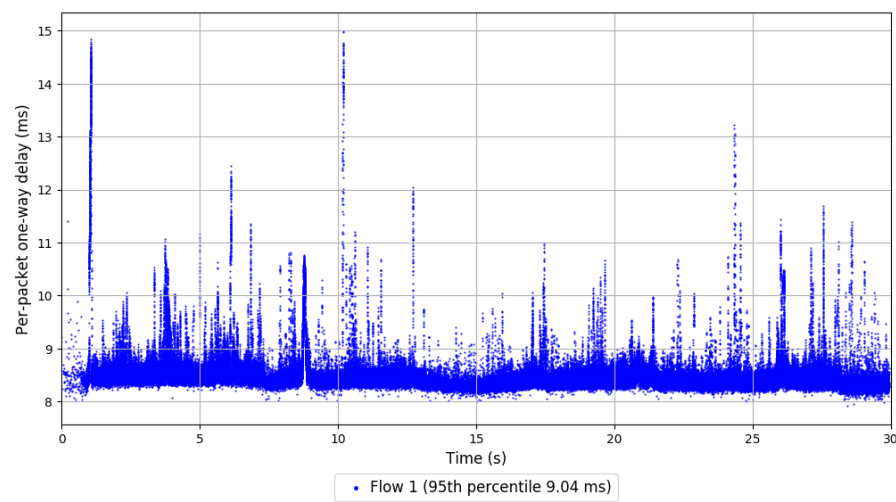
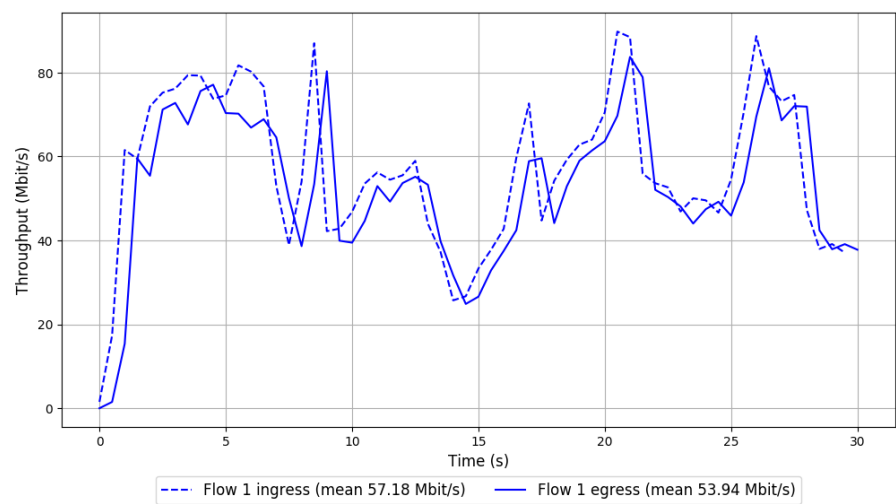
-- Flow 1:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 9.044 ms

Loss rate: 5.67%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-29 12:58:44

End at: 2018-06-29 12:59:14

Local clock offset: 0.585 ms

Remote clock offset: -7.226 ms

Below is generated by plot.py at 2018-06-29 16:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 7.792 ms

Loss rate: 0.00%

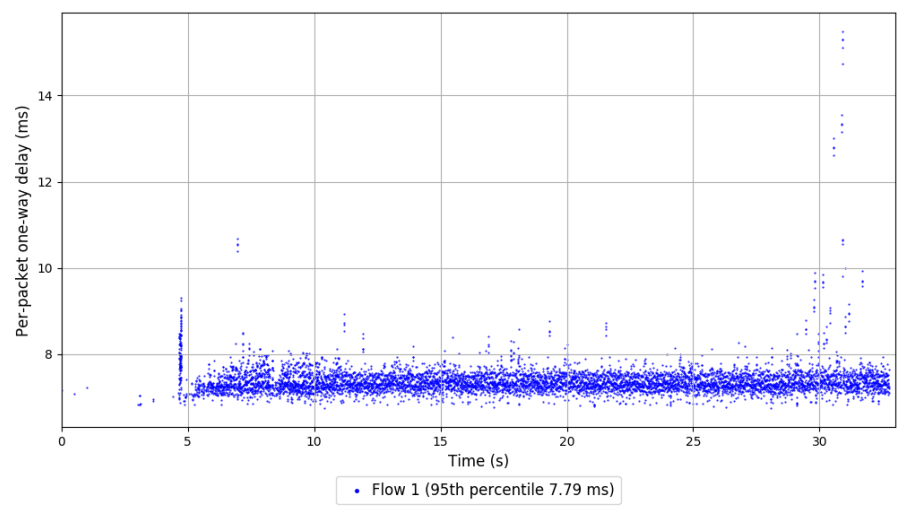
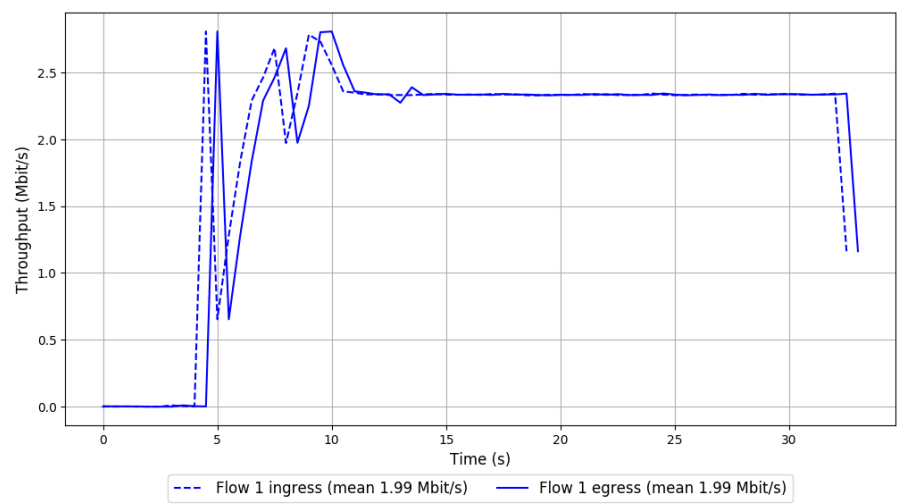
-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 7.792 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

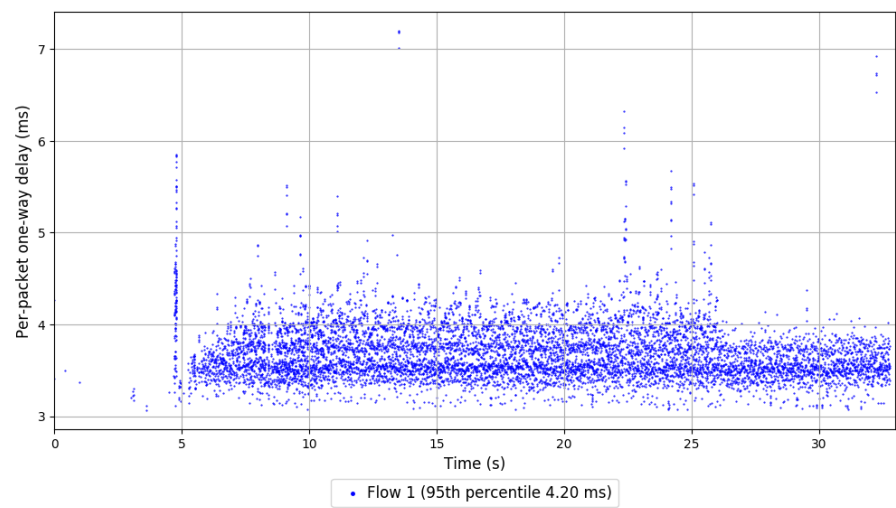
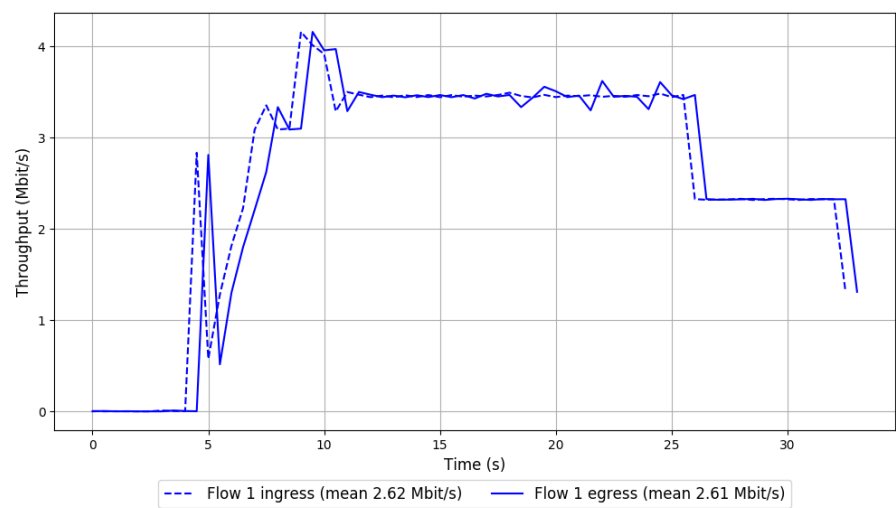


Run 2: Statistics of WebRTC media

Start at: 2018-06-29 13:18:00
End at: 2018-06-29 13:18:30
Local clock offset: 3.783 ms
Remote clock offset: -7.049 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 4.203 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 4.203 ms
Loss rate: 0.37%

Run 2: Report of WebRTC media — Data Link

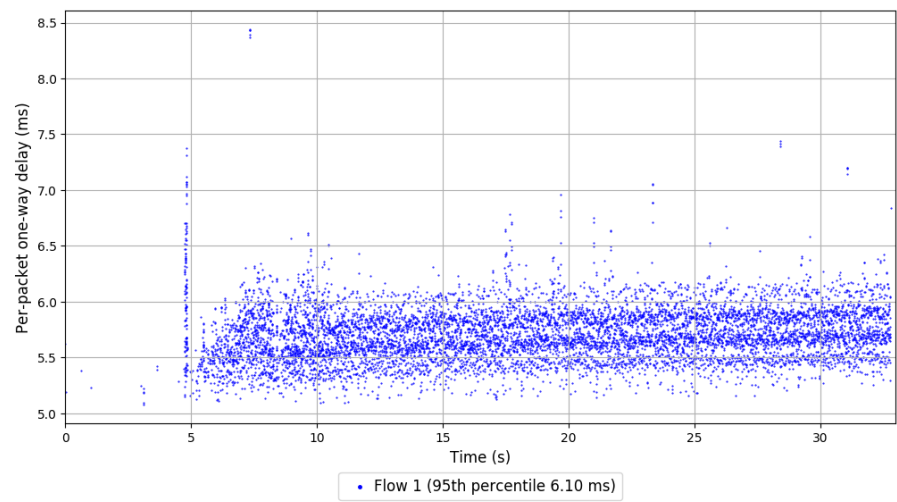
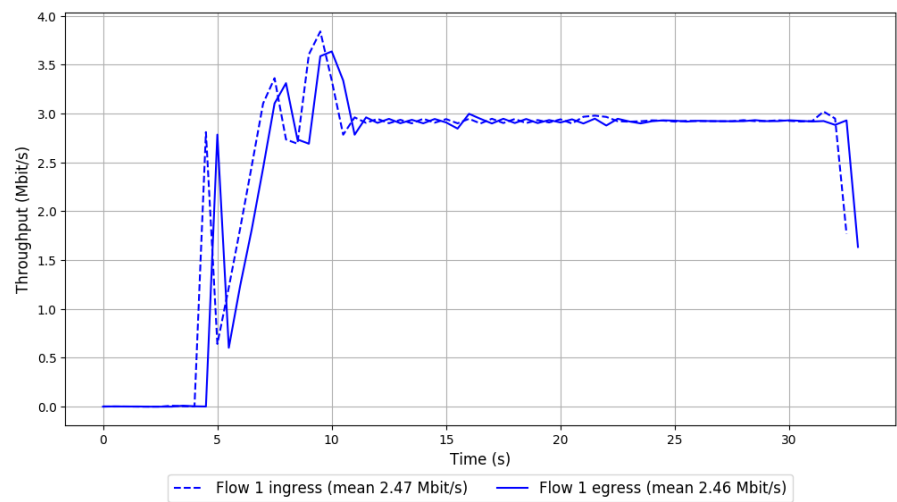


Run 3: Statistics of WebRTC media

Start at: 2018-06-29 13:37:19
End at: 2018-06-29 13:37:49
Local clock offset: 3.163 ms
Remote clock offset: -13.929 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 6.098 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 6.098 ms
Loss rate: 0.50%

Run 3: Report of WebRTC media — Data Link

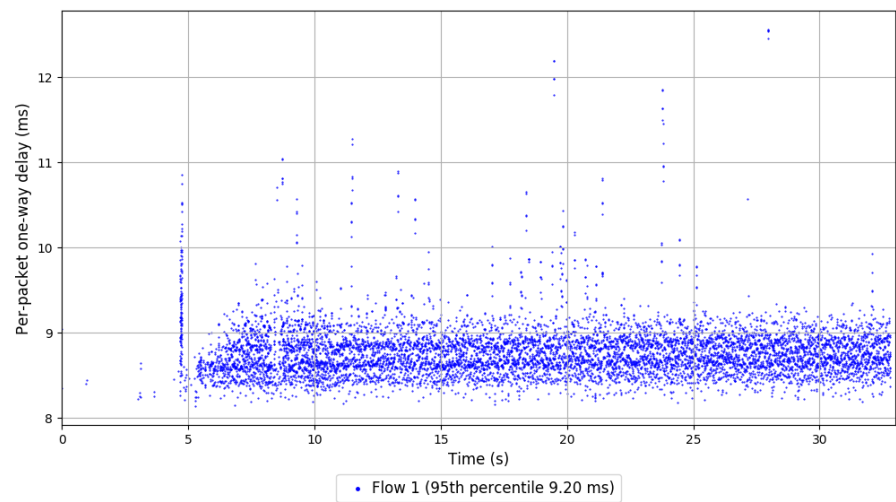
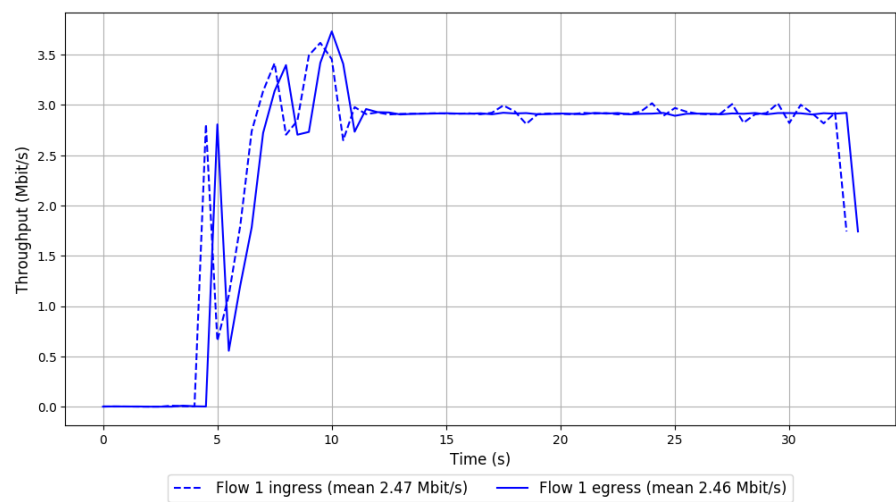


Run 4: Statistics of WebRTC media

Start at: 2018-06-29 13:56:27
End at: 2018-06-29 13:56:57
Local clock offset: -0.624 ms
Remote clock offset: -14.316 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 9.198 ms
Loss rate: 0.17%

Run 4: Report of WebRTC media — Data Link

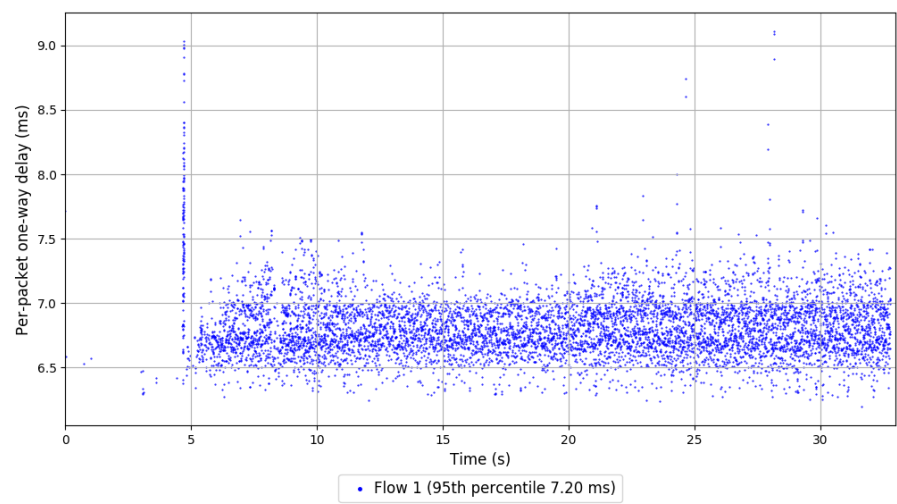
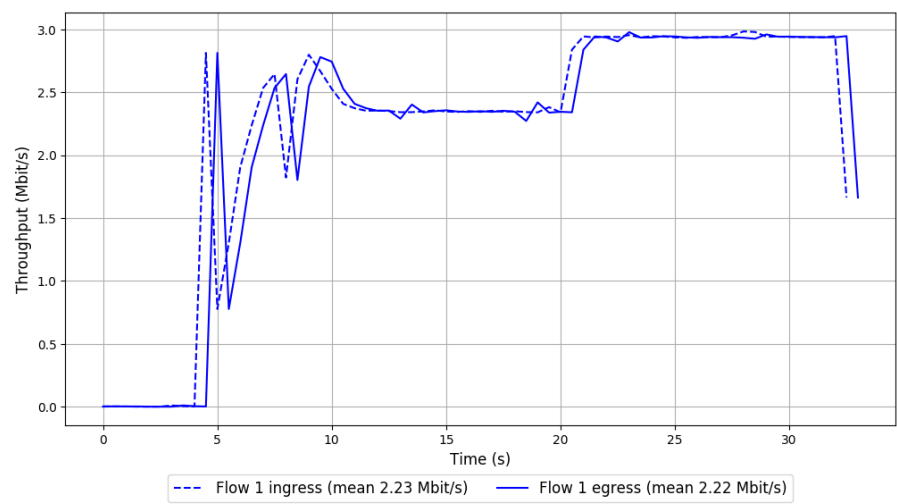


Run 5: Statistics of WebRTC media

Start at: 2018-06-29 14:15:47
End at: 2018-06-29 14:16:17
Local clock offset: 3.13 ms
Remote clock offset: -11.396 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 7.203 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 7.203 ms
Loss rate: 0.12%

Run 5: Report of WebRTC media — Data Link

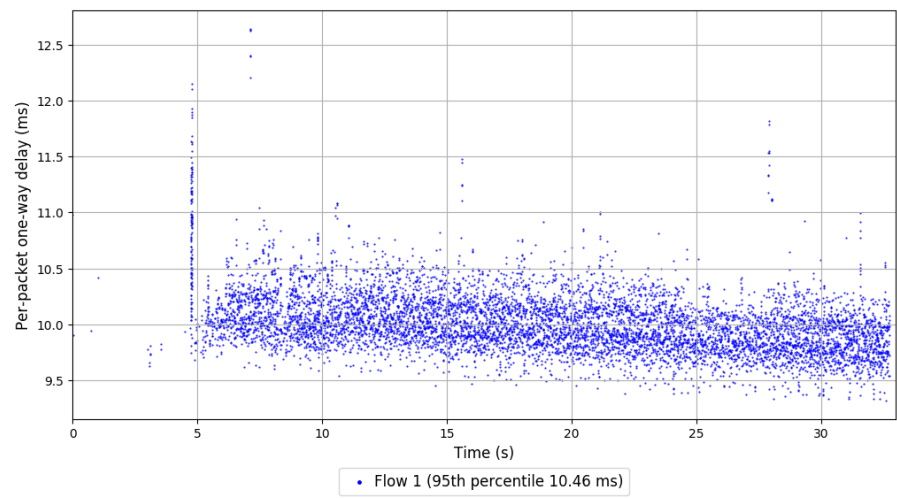
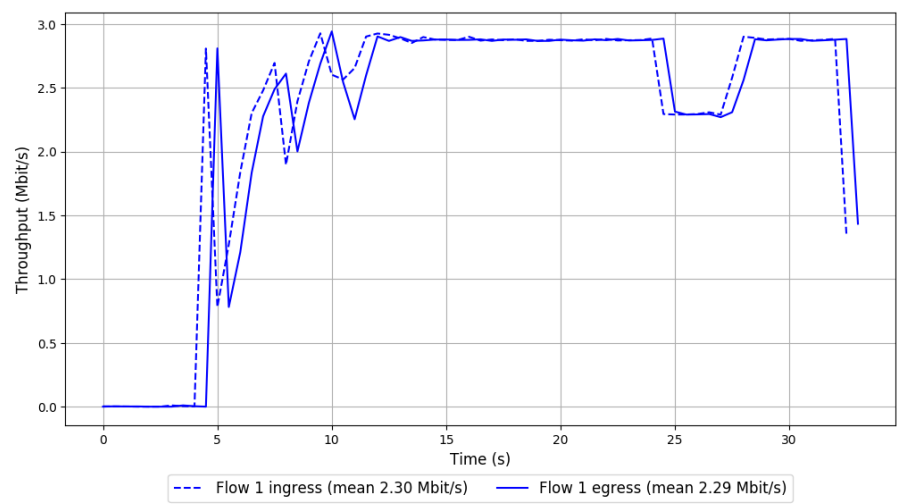


Run 6: Statistics of WebRTC media

Start at: 2018-06-29 14:35:07
End at: 2018-06-29 14:35:37
Local clock offset: -1.137 ms
Remote clock offset: -11.879 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 10.462 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 10.462 ms
Loss rate: 0.38%

Run 6: Report of WebRTC media — Data Link

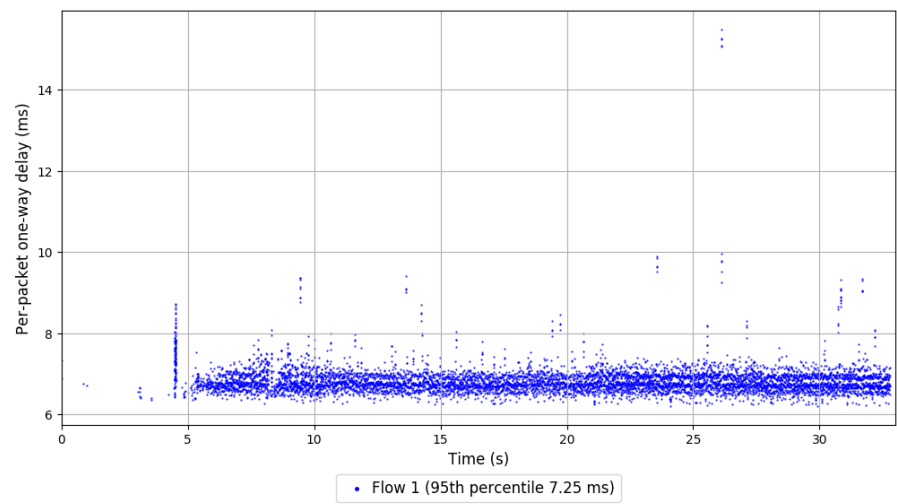
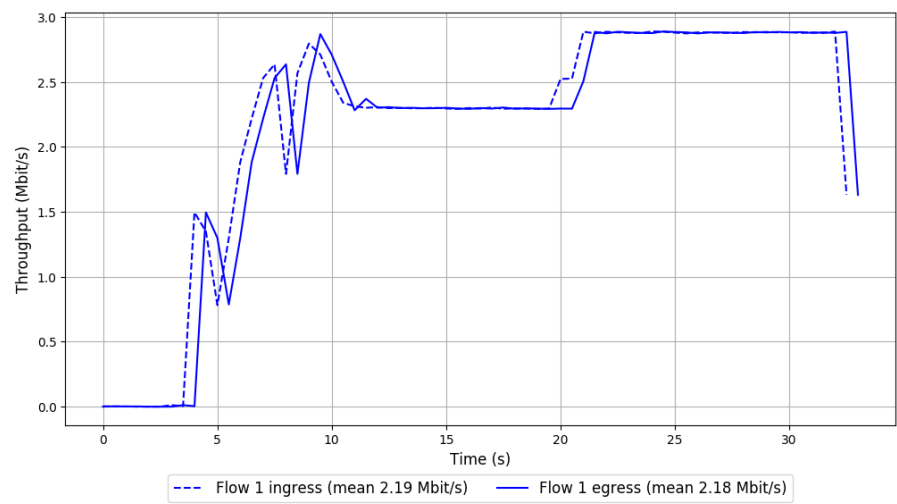


Run 7: Statistics of WebRTC media

Start at: 2018-06-29 14:54:18
End at: 2018-06-29 14:54:48
Local clock offset: 0.567 ms
Remote clock offset: -4.378 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 7.248 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 7.248 ms
Loss rate: 0.21%

Run 7: Report of WebRTC media — Data Link

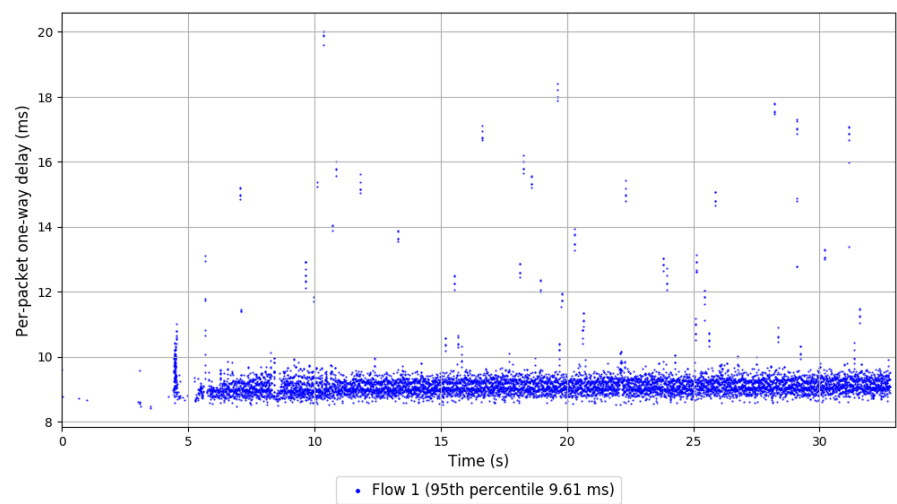
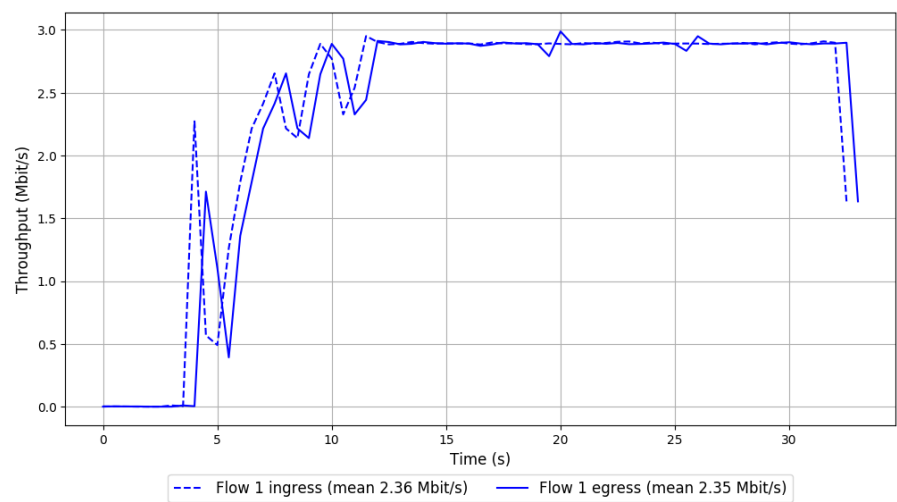


Run 8: Statistics of WebRTC media

Start at: 2018-06-29 15:14:02
End at: 2018-06-29 15:14:32
Local clock offset: -2.347 ms
Remote clock offset: -4.824 ms

Below is generated by plot.py at 2018-06-29 16:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 0.15%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-29 15:33:40

End at: 2018-06-29 15:34:10

Local clock offset: -1.217 ms

Remote clock offset: -5.64 ms

Below is generated by plot.py at 2018-06-29 16:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 10.901 ms

Loss rate: 1.03%

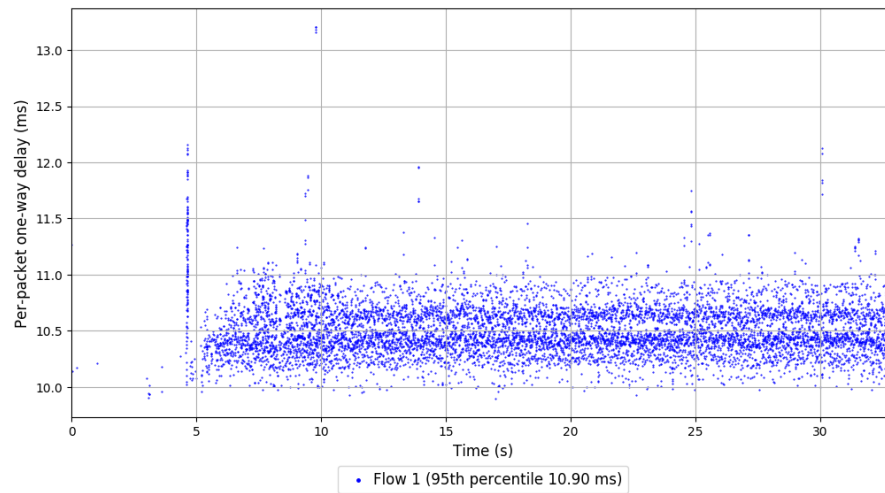
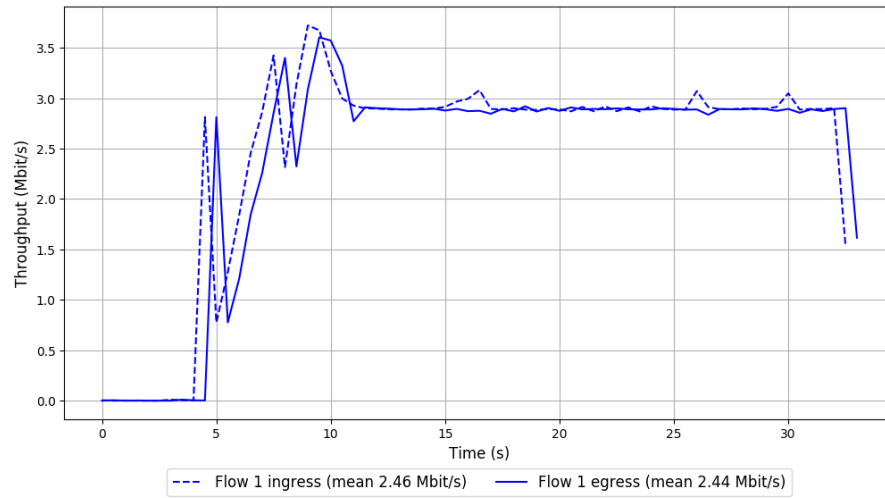
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 10.901 ms

Loss rate: 1.03%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-29 15:53:04

End at: 2018-06-29 15:53:34

Local clock offset: -1.783 ms

Remote clock offset: -3.495 ms

Below is generated by plot.py at 2018-06-29 16:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 10.020 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 10.020 ms

Loss rate: 0.38%

Run 10: Report of WebRTC media — Data Link

