

Pantheon Report

Generated at 2018-05-24 15:44:49 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Tokyo Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

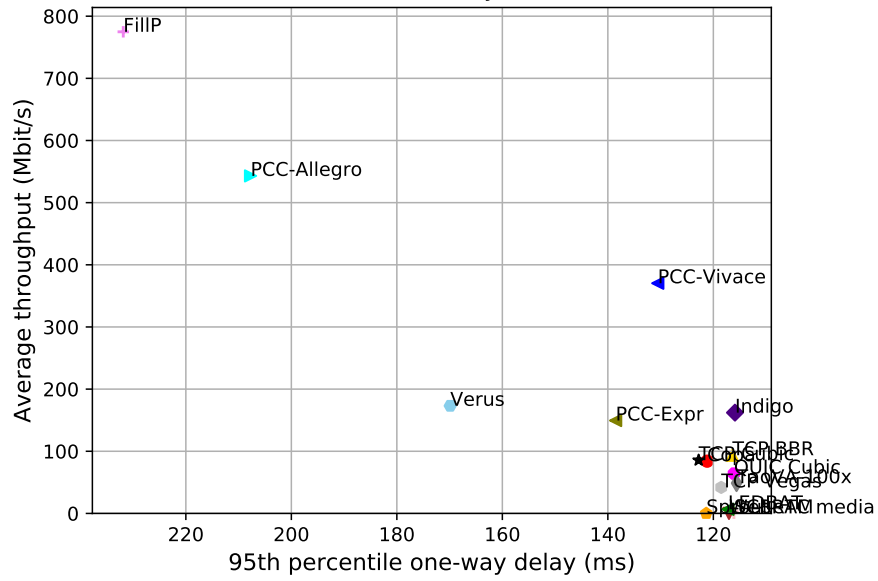
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

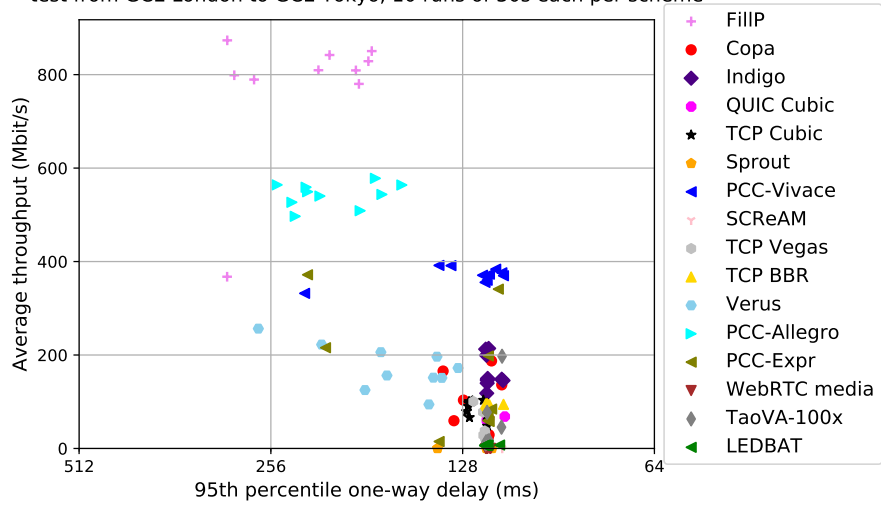
Git summary:

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

test from GCE London to GCE Tokyo, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London to GCE Tokyo, 10 runs of 30s each per scheme



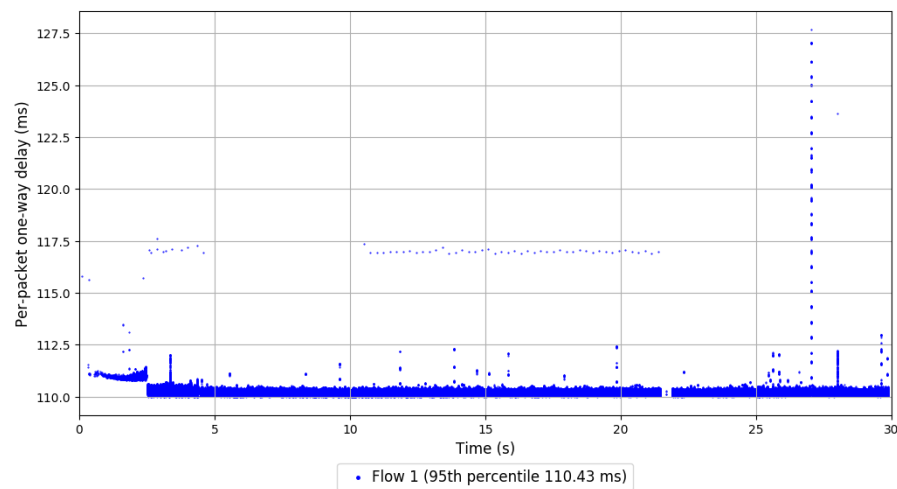
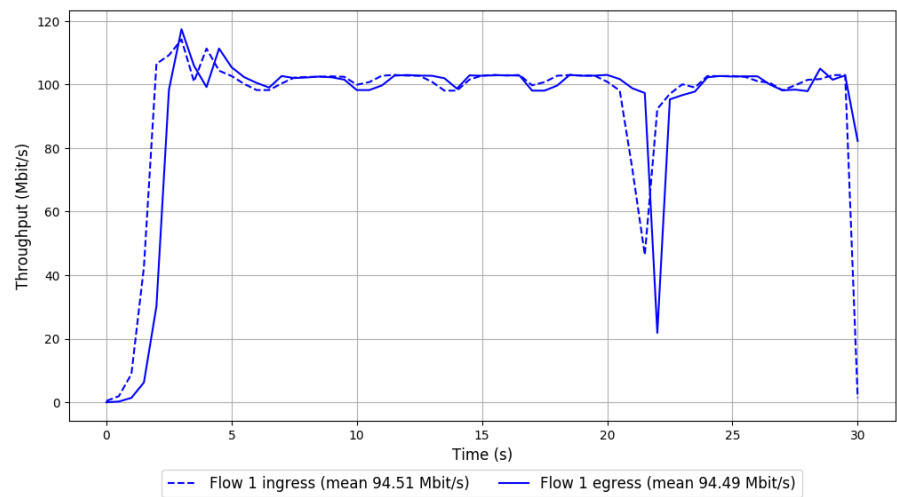
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.64	116.39	0.69
Copa	9	84.05	121.18	0.59
TCP Cubic	10	85.64	122.79	0.77
FillP	10	774.87	231.86	3.23
Indigo	10	162.14	115.90	0.82
LEDBAT	10	6.66	117.23	1.46
PCC-Allegro	10	543.04	207.73	2.34
PCC-Expr	10	149.47	138.52	1.35
QUIC Cubic	9	64.11	116.10	1.07
SCReAM	10	0.21	116.11	0.71
Sprout	10	0.20	121.34	0.67
TaoVA-100x	8	48.69	115.60	0.39
TCP Vegas	10	41.86	118.51	0.76
Verus	10	173.15	169.89	1.36
PCC-Vivace	10	370.32	130.54	0.94
WebRTC media	9	0.05	117.04	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 11:21:56
End at: 2018-05-24 11:22:26
Local clock offset: -0.125 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-05-24 14:45:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 110.428 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 110.428 ms
Loss rate: 0.79%

Run 1: Report of TCP BBR — Data Link

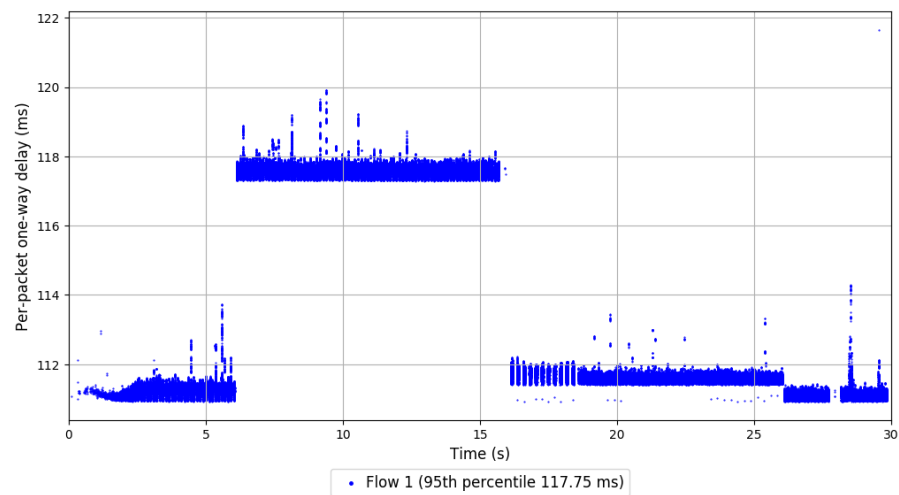
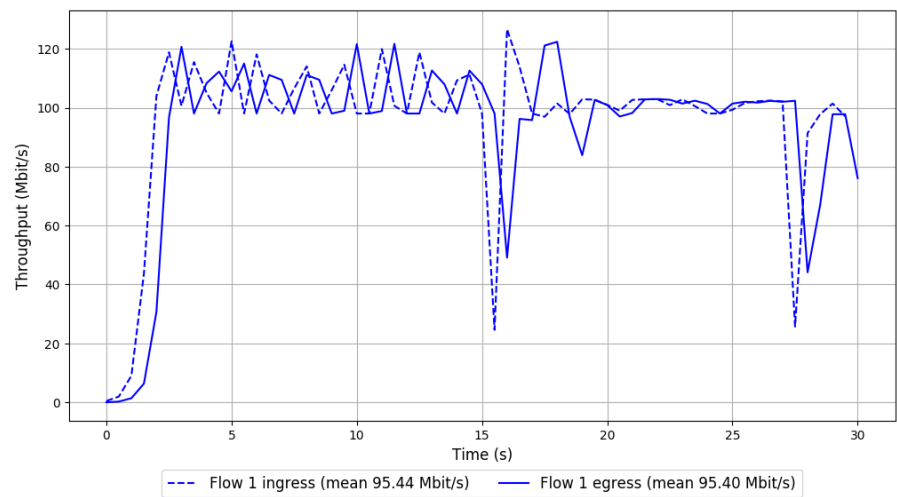


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 11:42:43
End at: 2018-05-24 11:43:13
Local clock offset: 0.091 ms
Remote clock offset: -0.611 ms

Below is generated by plot.py at 2018-05-24 14:45:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 117.755 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 117.755 ms
Loss rate: 0.86%

Run 2: Report of TCP BBR — Data Link

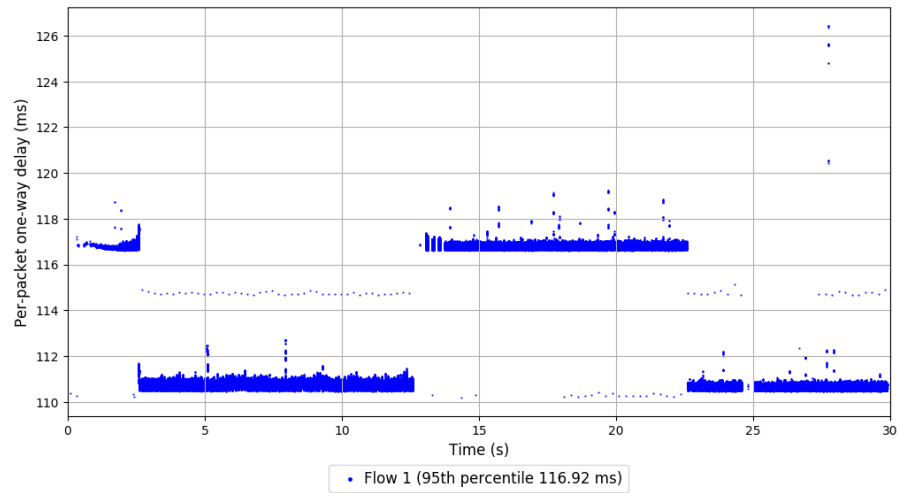
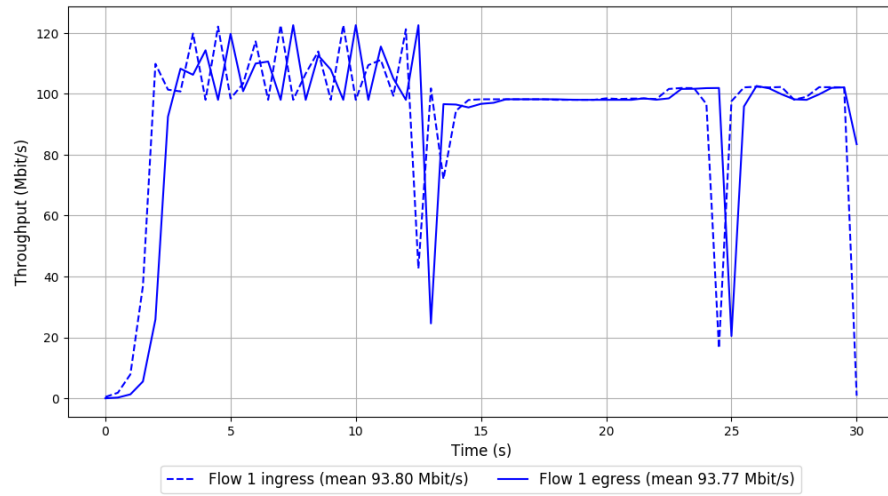


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 12:03:26
End at: 2018-05-24 12:03:56
Local clock offset: -0.118 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-24 14:45:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 116.917 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 116.917 ms
Loss rate: 0.77%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 12:23:42

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

Local clock offset: 0.256 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-05-24 14:45:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 117.191 ms

Loss rate: 0.00%

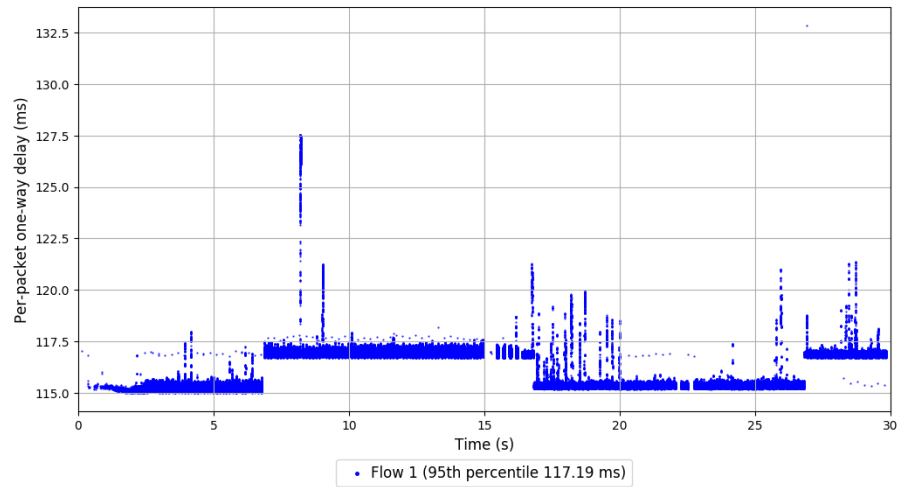
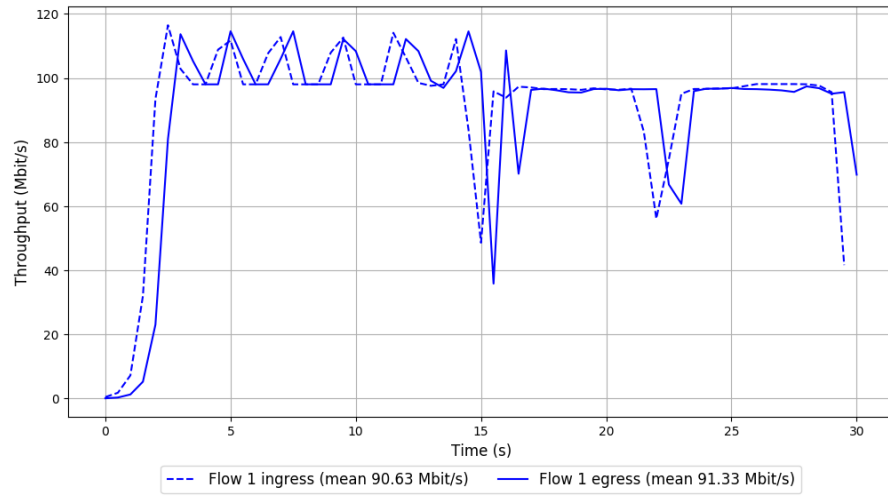
-- Flow 1:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 117.191 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

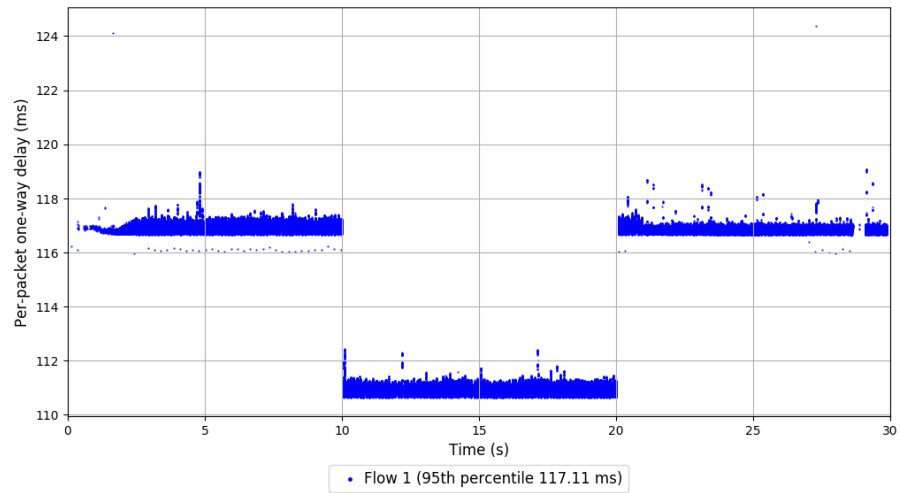
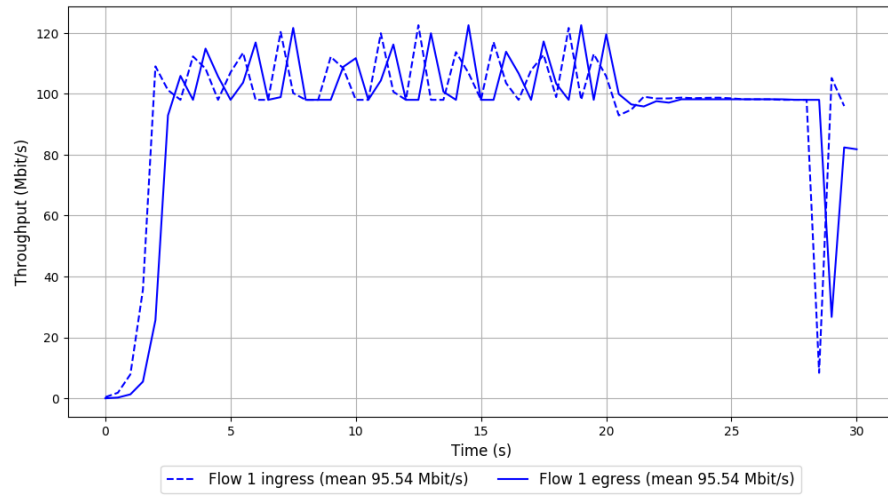


Run 5: Statistics of TCP BBR

Start at: 2018-05-24 12:44:39
End at: 2018-05-24 12:45:09
Local clock offset: 0.235 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-05-24 14:45:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 117.114 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 117.114 ms
Loss rate: 0.75%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 13:05:14

End at: 2018-05-24 13:05:44

Local clock offset: -0.18 ms

Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-05-24 14:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 117.176 ms

Loss rate: 0.81%

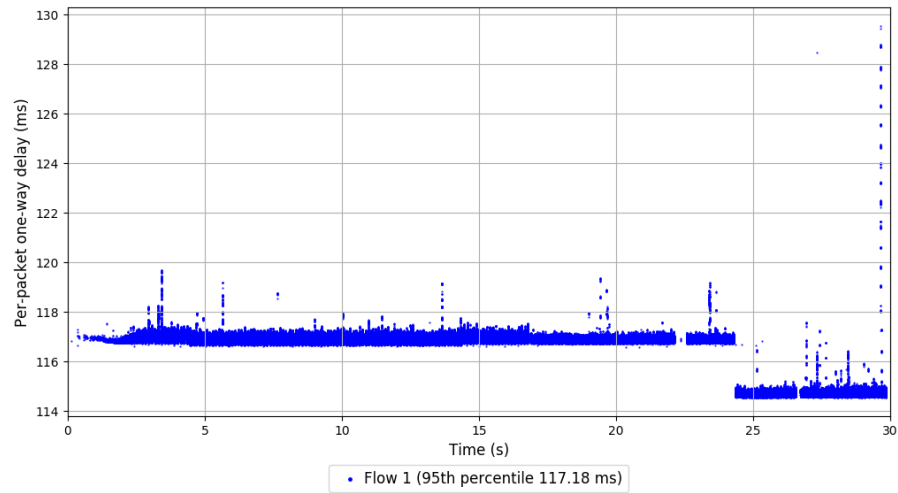
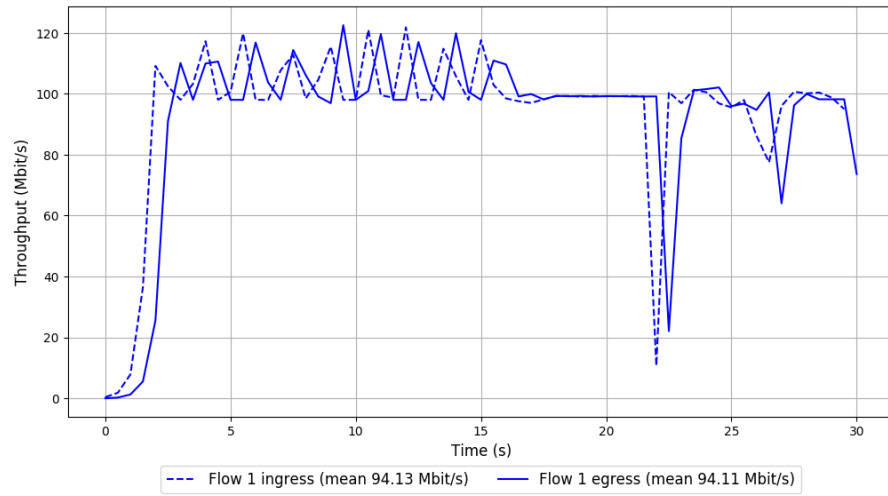
-- Flow 1:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 117.176 ms

Loss rate: 0.81%

Run 6: Report of TCP BBR — Data Link

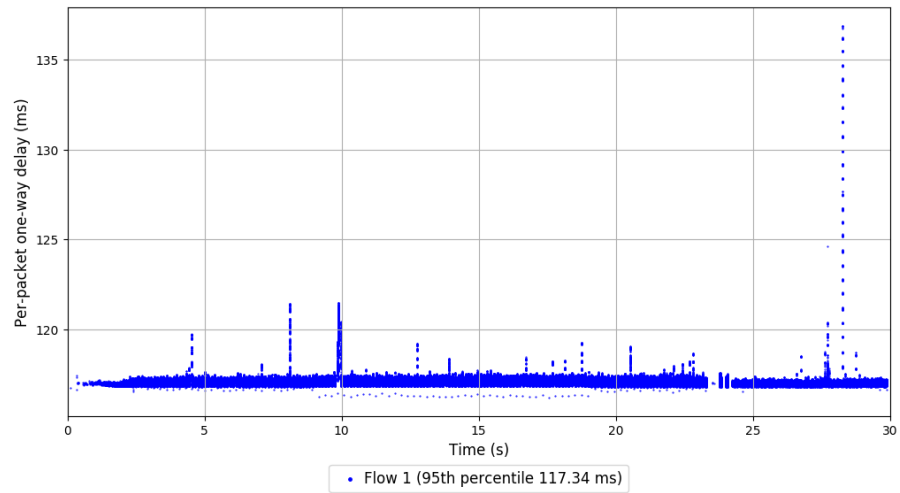
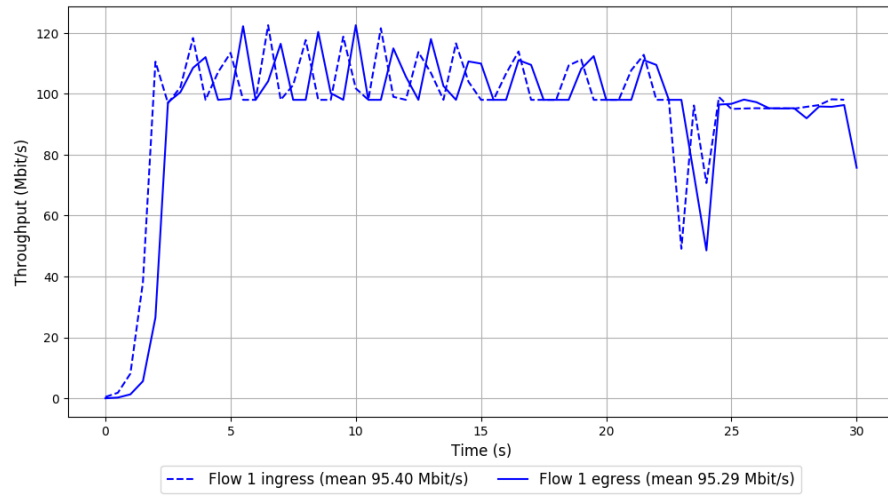


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 13:25:31
End at: 2018-05-24 13:26:01
Local clock offset: 0.127 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-05-24 14:45:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 117.343 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 117.343 ms
Loss rate: 0.82%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-24 13:46:14

End at: 2018-05-24 13:46:44

Local clock offset: 0.2 ms

Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-05-24 14:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 116.192 ms

Loss rate: 0.87%

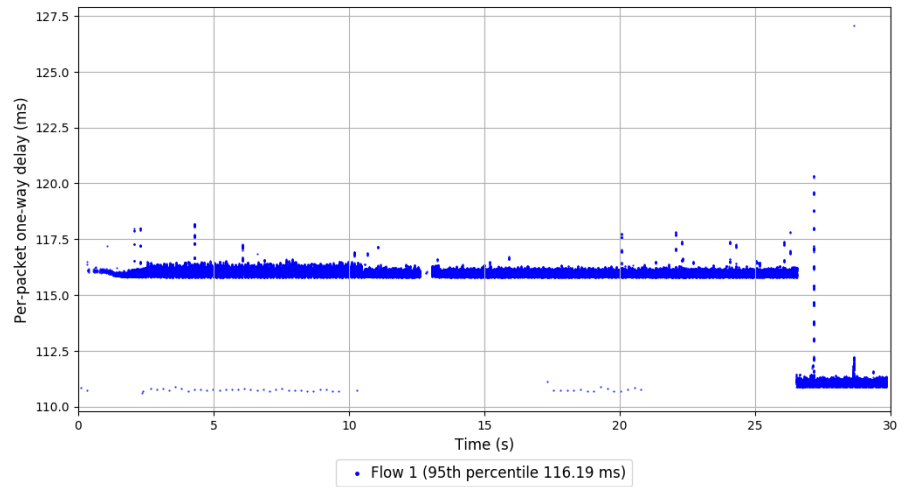
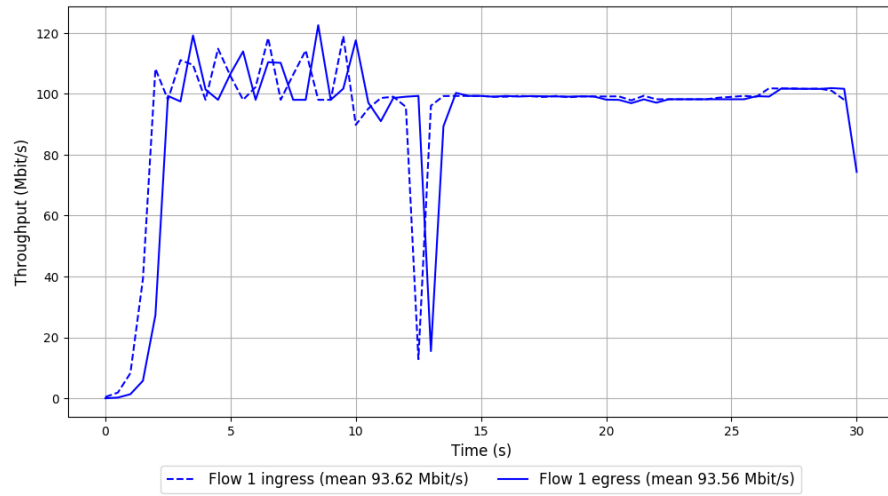
-- Flow 1:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 116.192 ms

Loss rate: 0.87%

Run 8: Report of TCP BBR — Data Link

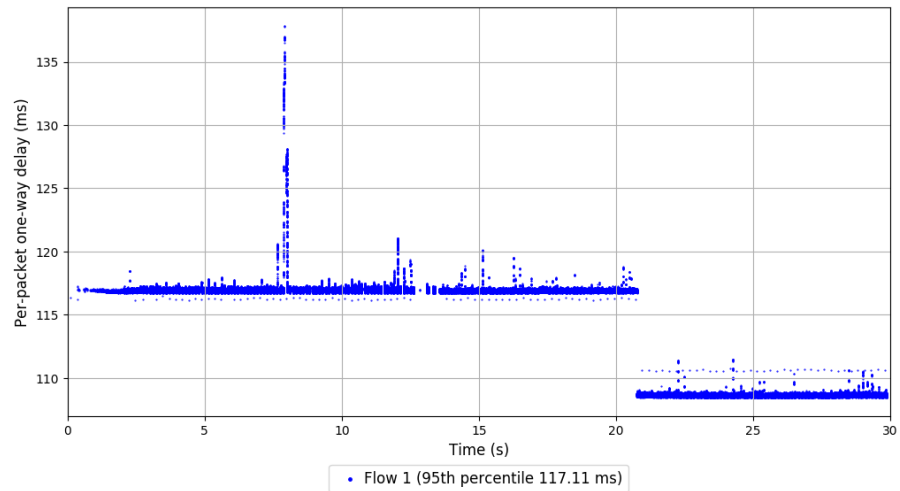
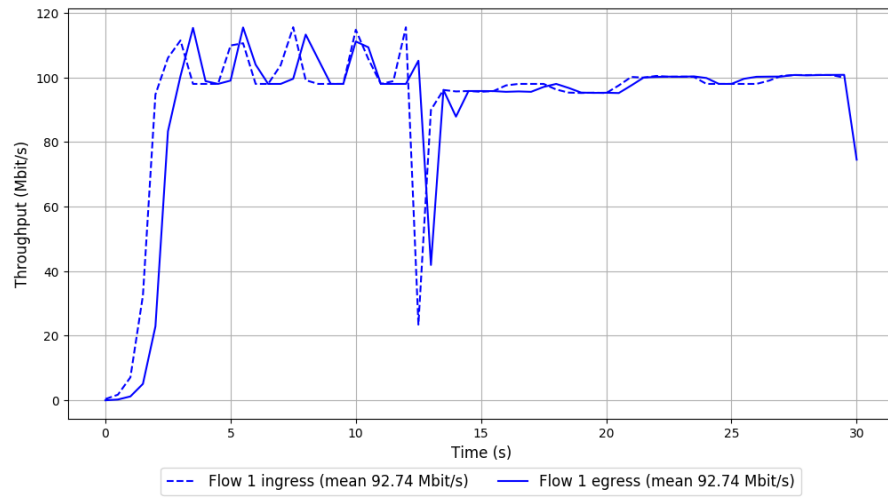


Run 9: Statistics of TCP BBR

Start at: 2018-05-24 14:06:40
End at: 2018-05-24 14:07:10
Local clock offset: -0.279 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-05-24 14:46:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 117.109 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 117.109 ms
Loss rate: 0.76%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 14:26:51

End at: 2018-05-24 14:27:21

Local clock offset: -0.103 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-05-24 14:46:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 116.695 ms

Loss rate: 0.47%

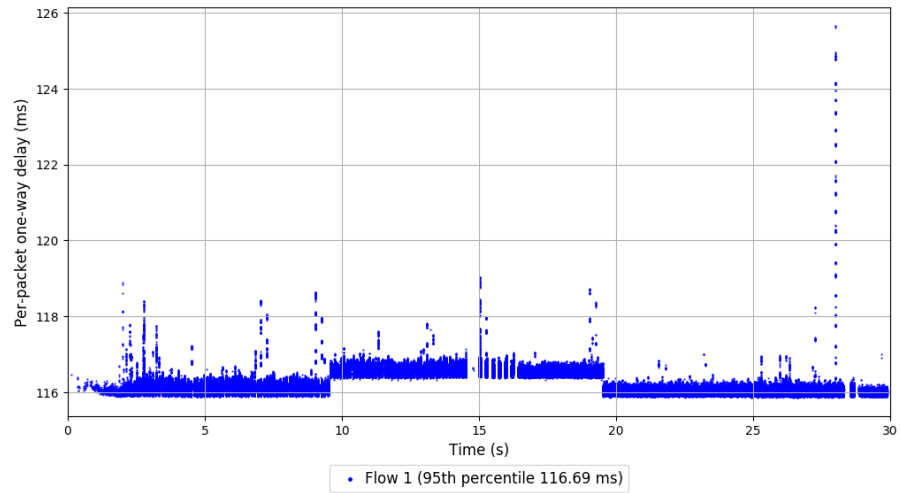
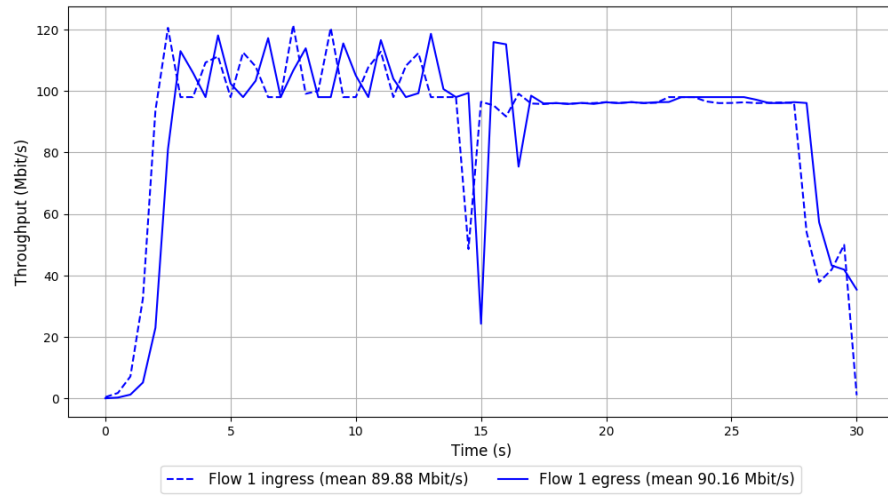
-- Flow 1:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 116.695 ms

Loss rate: 0.47%

Run 10: Report of TCP BBR — Data Link

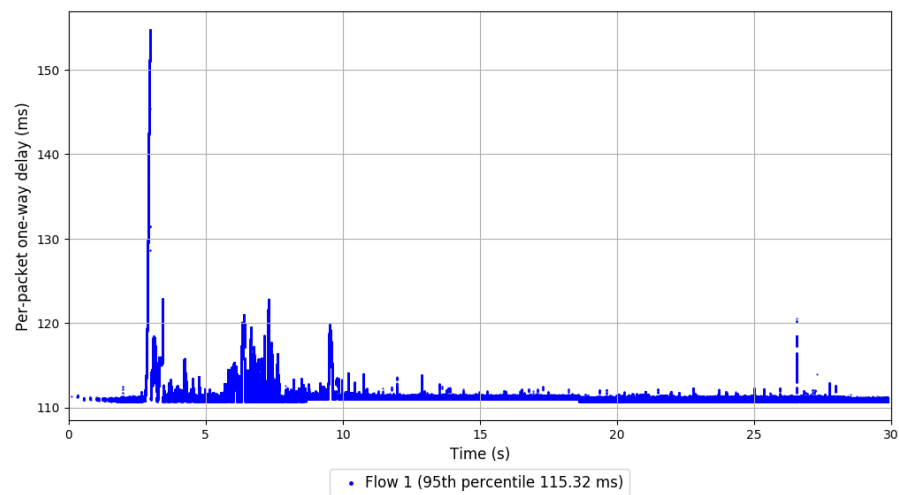
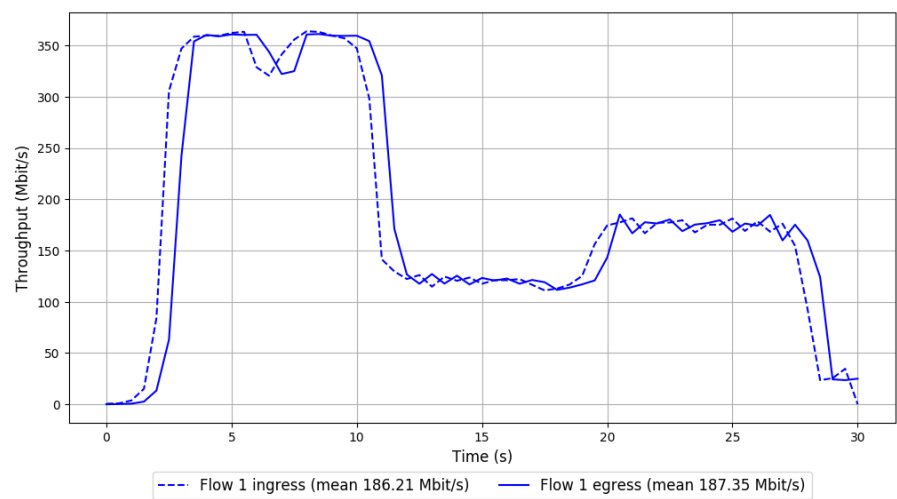


Run 1: Statistics of Copa

Start at: 2018-05-24 11:27:00
End at: 2018-05-24 11:27:30
Local clock offset: -0.142 ms
Remote clock offset: -0.588 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.35 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 187.35 Mbit/s
95th percentile per-packet one-way delay: 115.316 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-24 11:48:05

End at: 2018-05-24 11:48:35

Local clock offset: 0.258 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-05-24 14:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 116.778 ms

Loss rate: 0.97%

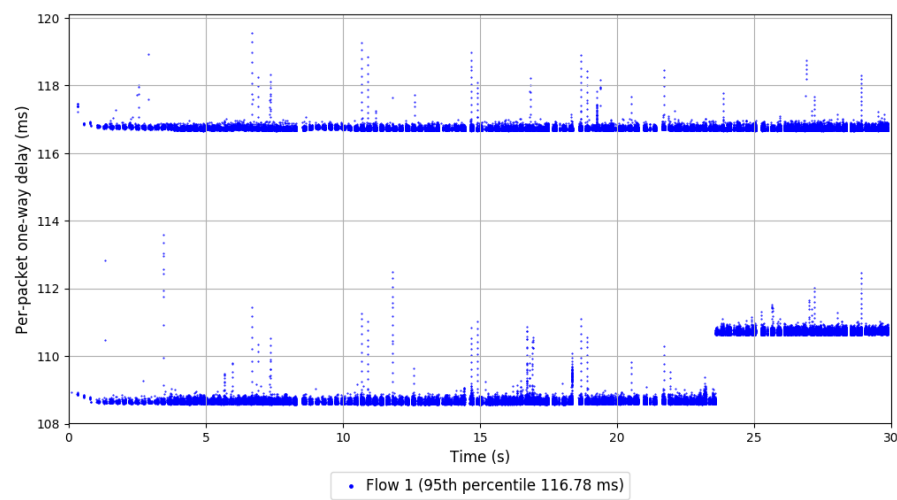
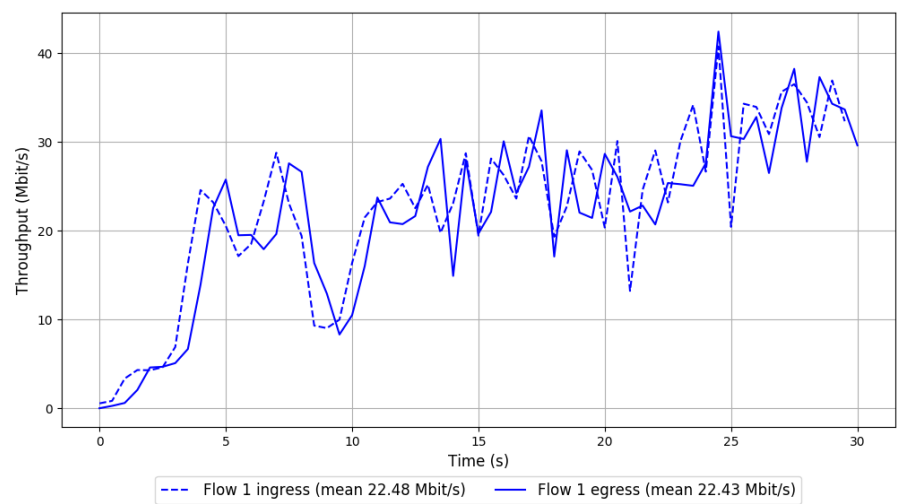
-- Flow 1:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 116.778 ms

Loss rate: 0.97%

Run 2: Report of Copa — Data Link

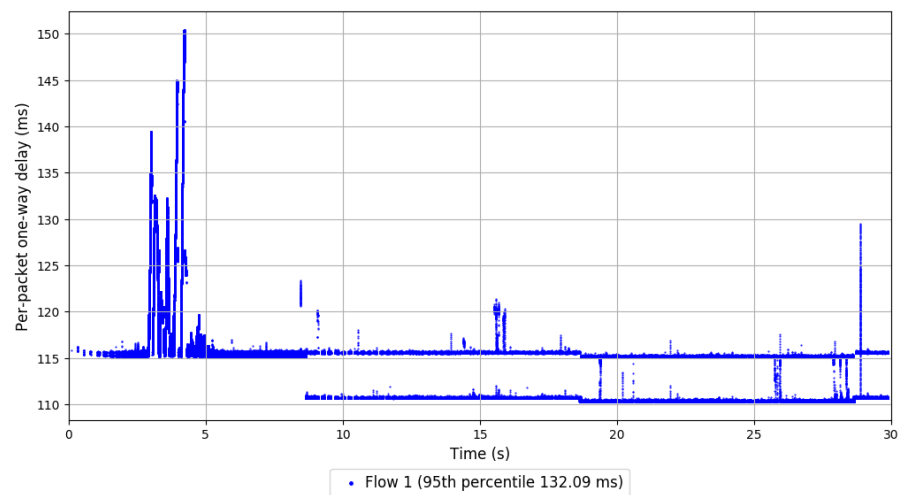
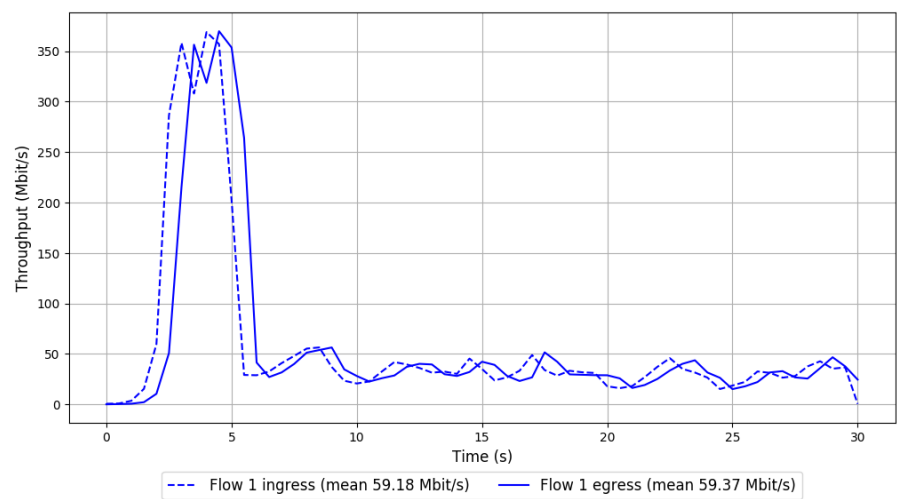


Run 3: Statistics of Copa

Start at: 2018-05-24 12:08:50
End at: 2018-05-24 12:09:20
Local clock offset: 0.049 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 132.095 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 132.095 ms
Loss rate: 0.43%

Run 3: Report of Copa — Data Link

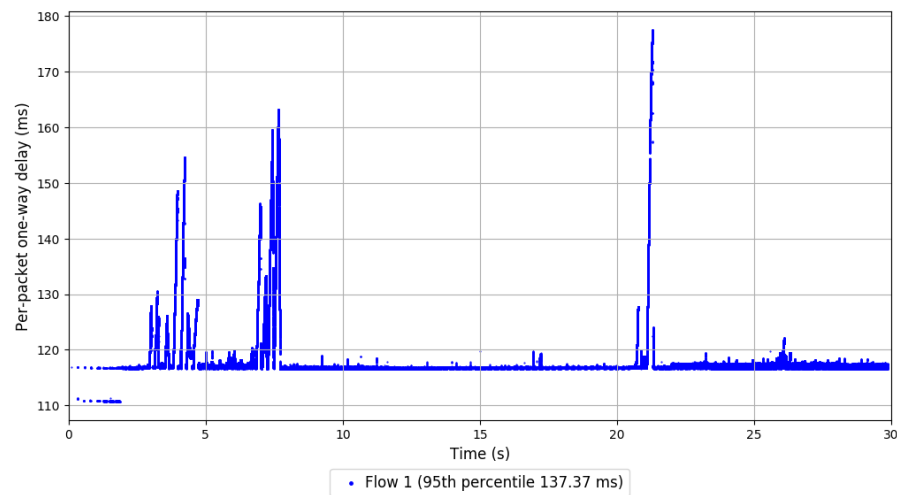
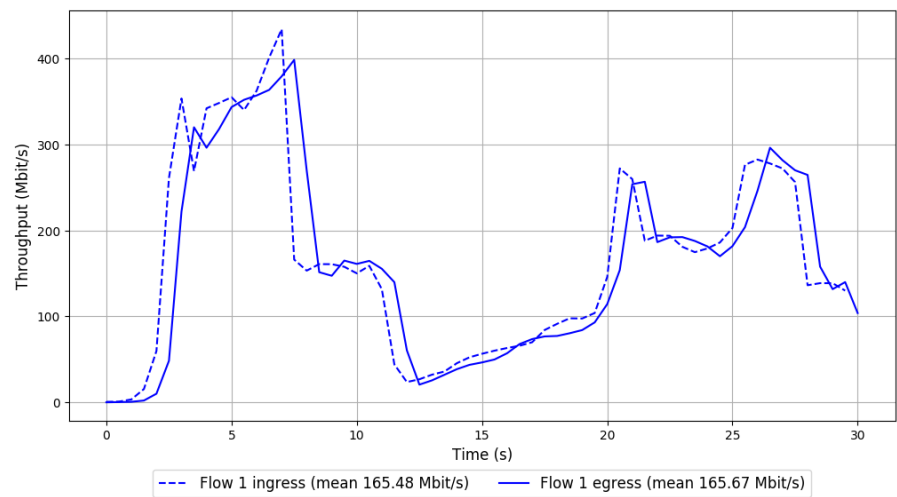


Run 4: Statistics of Copa

Start at: 2018-05-24 12:29:07
End at: 2018-05-24 12:29:37
Local clock offset: 0.258 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.67 Mbit/s
95th percentile per-packet one-way delay: 137.371 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 165.67 Mbit/s
95th percentile per-packet one-way delay: 137.371 ms
Loss rate: 0.65%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

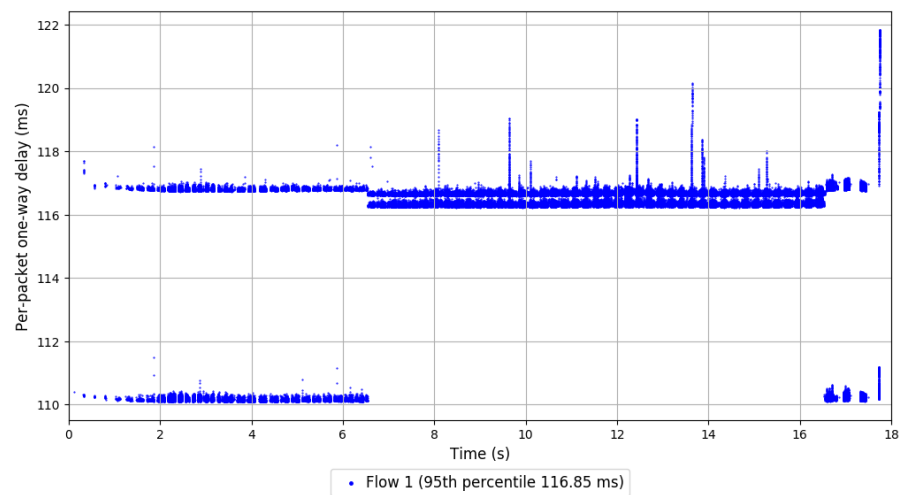
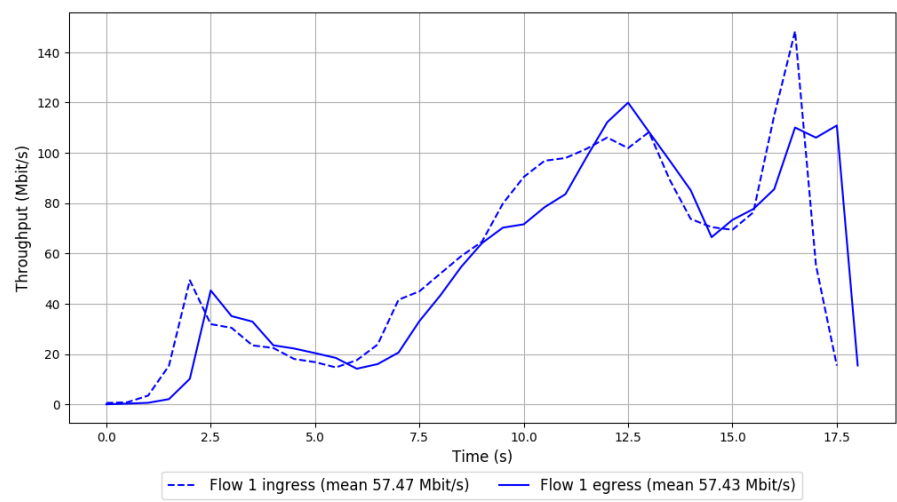
Start at: 2018-05-24 12:50:02

End at: 2018-05-24 12:50:32

Local clock offset: 0.235 ms

Remote clock offset: 0.19 ms

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-24 13:10:35

End at: 2018-05-24 13:11:05

Local clock offset: 0.287 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-24 14:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 117.057 ms

Loss rate: 0.84%

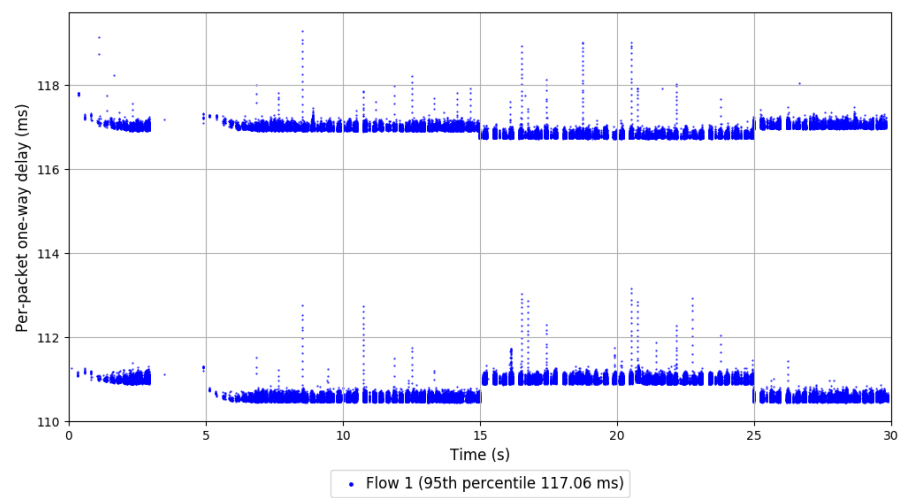
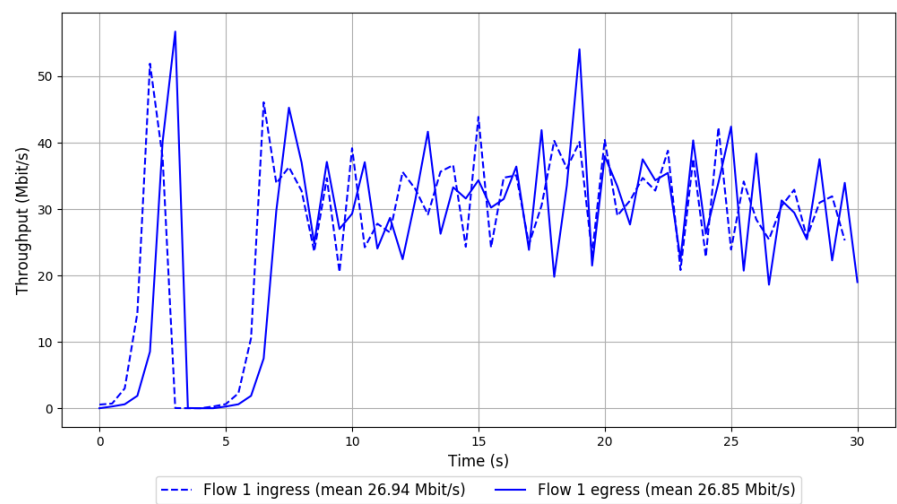
-- Flow 1:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 117.057 ms

Loss rate: 0.84%

Run 6: Report of Copa — Data Link

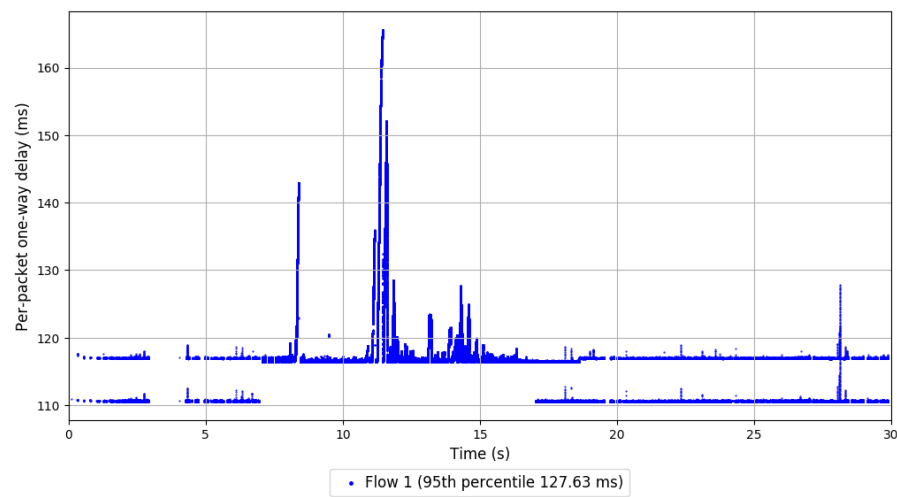
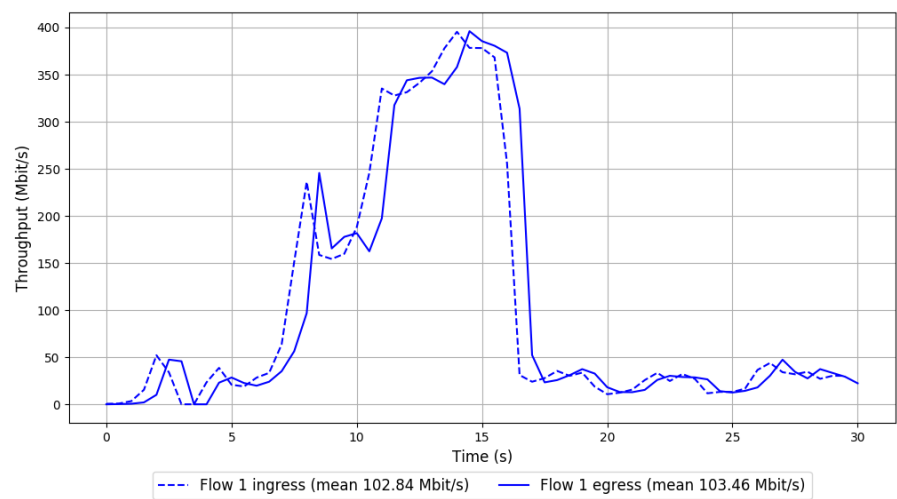


Run 7: Statistics of Copa

Start at: 2018-05-24 13:30:52
End at: 2018-05-24 13:31:22
Local clock offset: 0.117 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.46 Mbit/s
95th percentile per-packet one-way delay: 127.628 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 103.46 Mbit/s
95th percentile per-packet one-way delay: 127.628 ms
Loss rate: 0.15%

Run 7: Report of Copa — Data Link

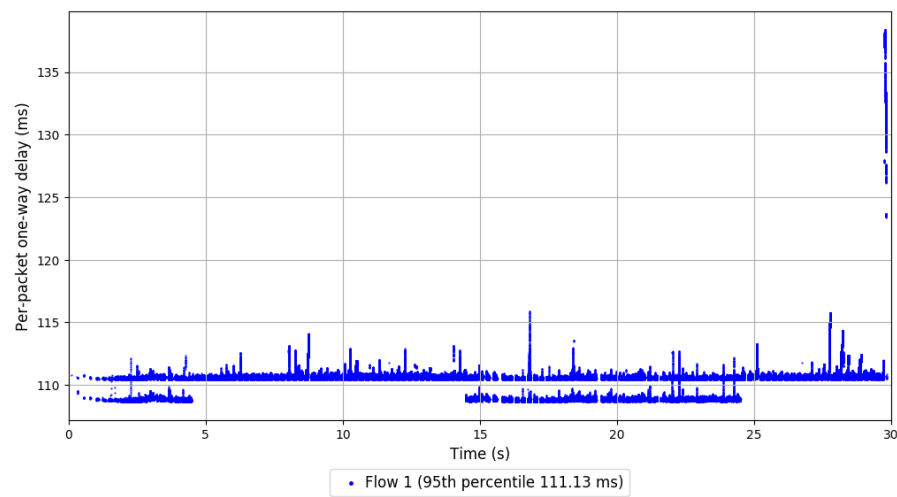
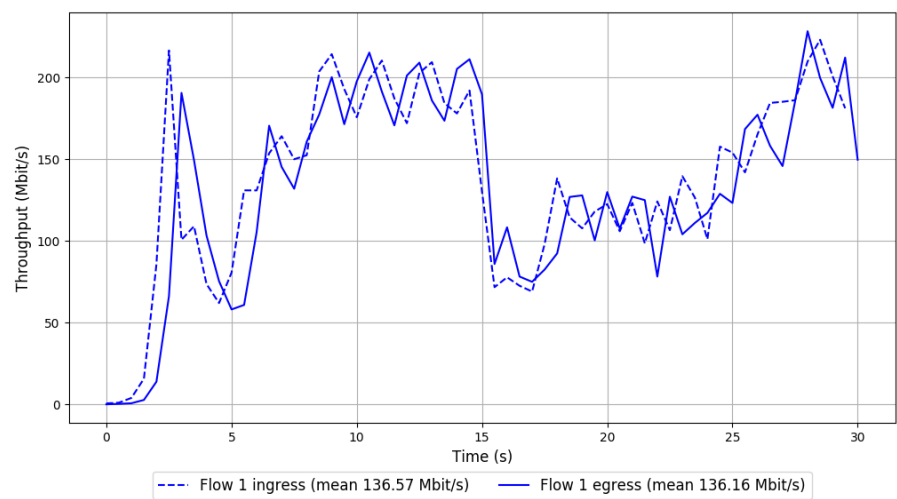


Run 8: Statistics of Copa

Start at: 2018-05-24 13:51:36
End at: 2018-05-24 13:52:06
Local clock offset: -0.013 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.16 Mbit/s
95th percentile per-packet one-way delay: 111.133 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 136.16 Mbit/s
95th percentile per-packet one-way delay: 111.133 ms
Loss rate: 1.11%

Run 8: Report of Copa — Data Link

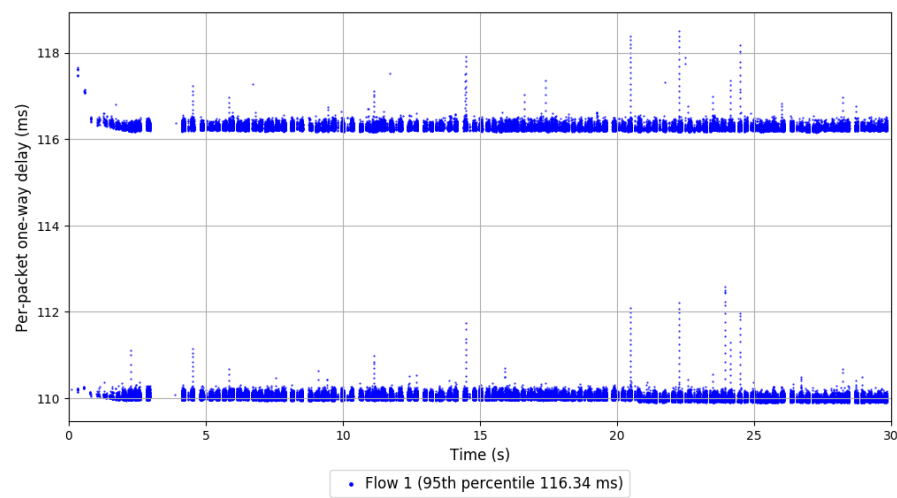
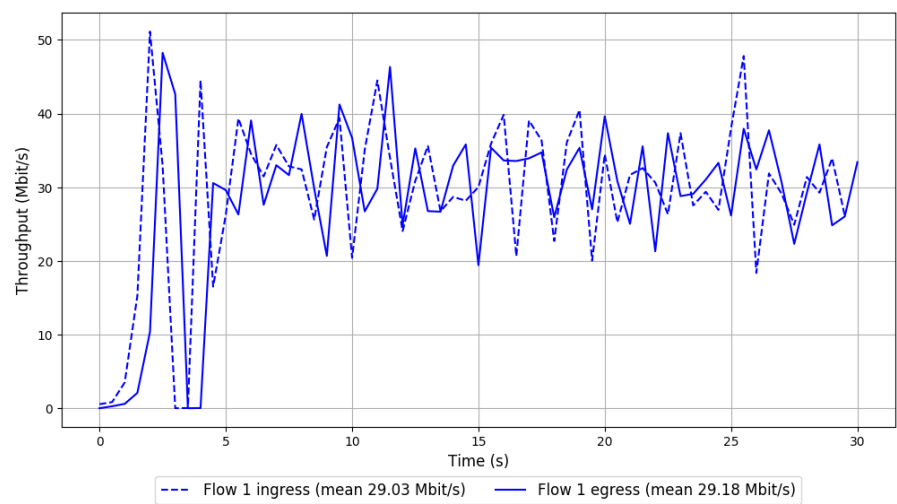


Run 9: Statistics of Copa

Start at: 2018-05-24 14:12:00
End at: 2018-05-24 14:12:30
Local clock offset: -0.142 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 116.341 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 116.341 ms
Loss rate: 0.29%

Run 9: Report of Copa — Data Link

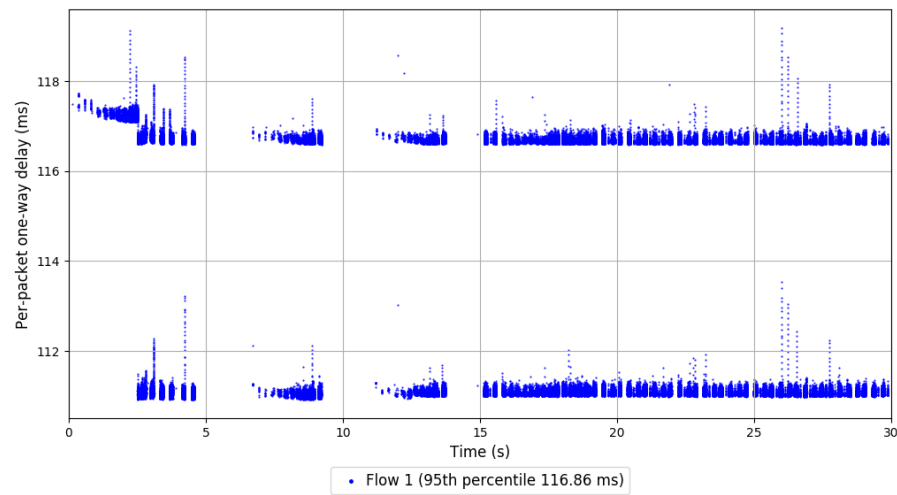
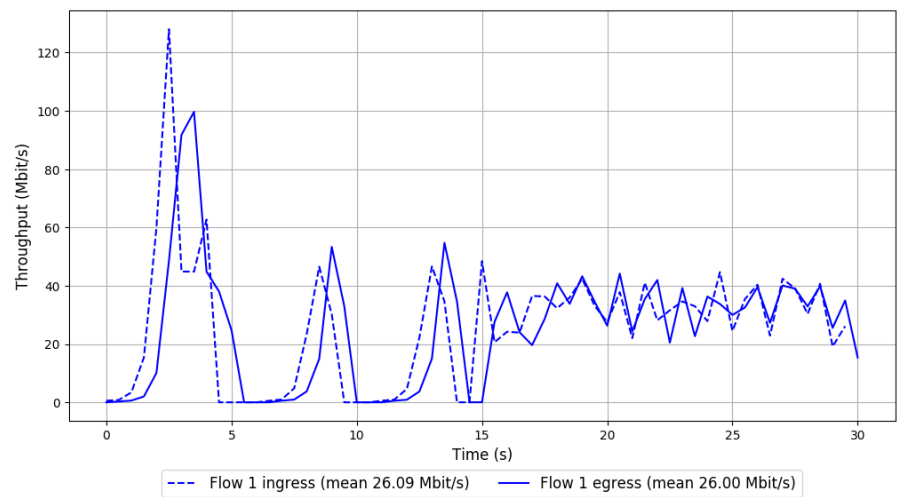


Run 10: Statistics of Copa

Start at: 2018-05-24 14:32:18
End at: 2018-05-24 14:32:48
Local clock offset: 0.309 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 116.861 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 116.861 ms
Loss rate: 0.73%

Run 10: Report of Copa — Data Link

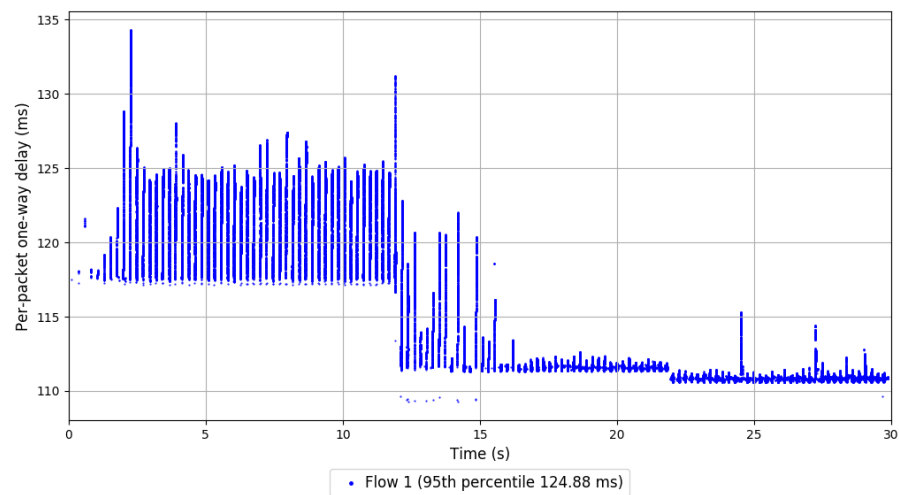
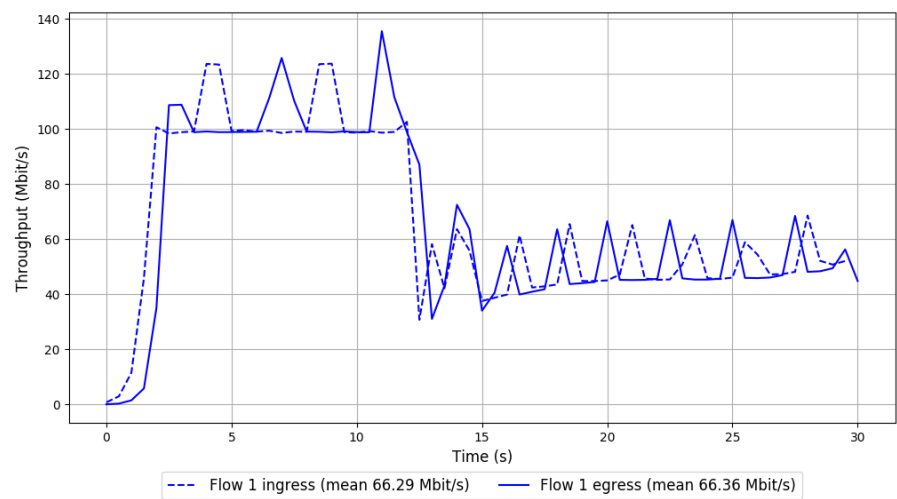


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 11:18:07
End at: 2018-05-24 11:18:37
Local clock offset: 0.05 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 124.884 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 124.884 ms
Loss rate: 0.65%

Run 1: Report of TCP Cubic — Data Link

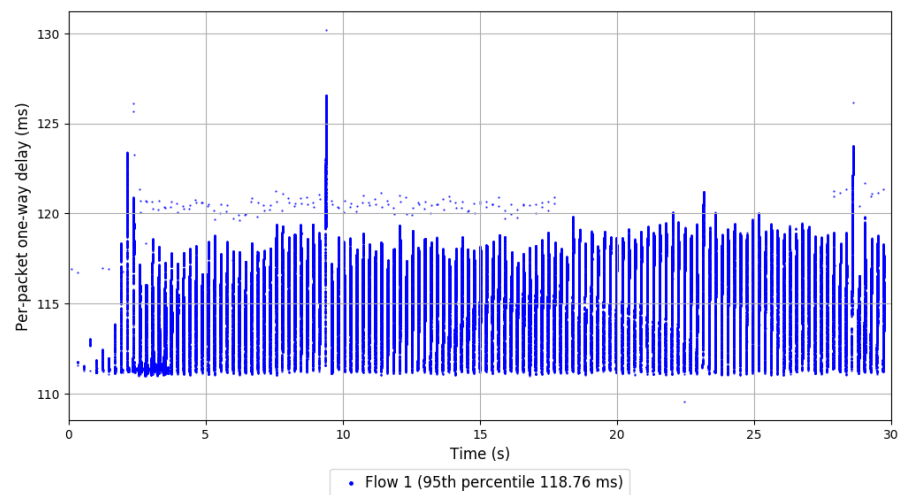
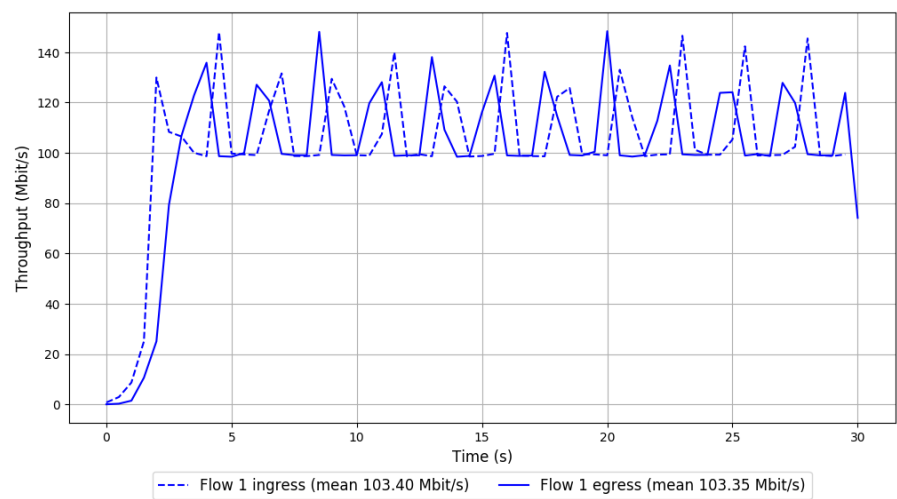


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 11:38:51
End at: 2018-05-24 11:39:21
Local clock offset: 0.039 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.35 Mbit/s
95th percentile per-packet one-way delay: 118.758 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 103.35 Mbit/s
95th percentile per-packet one-way delay: 118.758 ms
Loss rate: 0.80%

Run 2: Report of TCP Cubic — Data Link

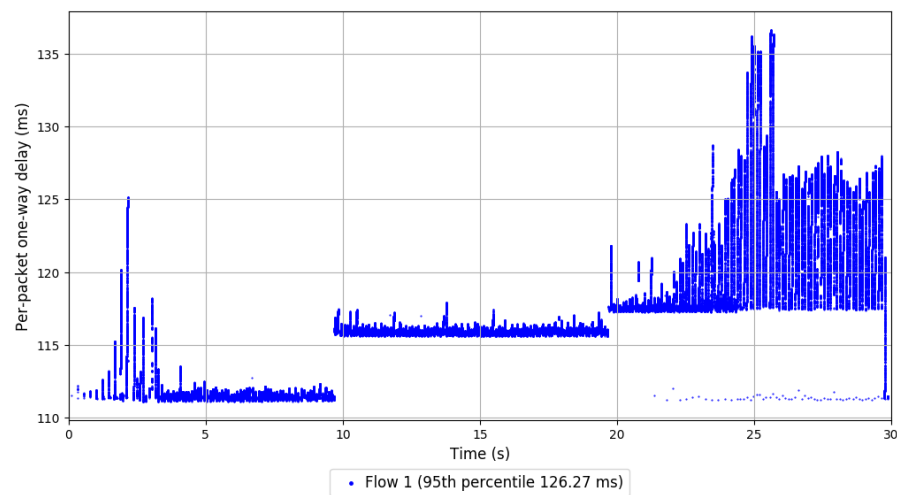
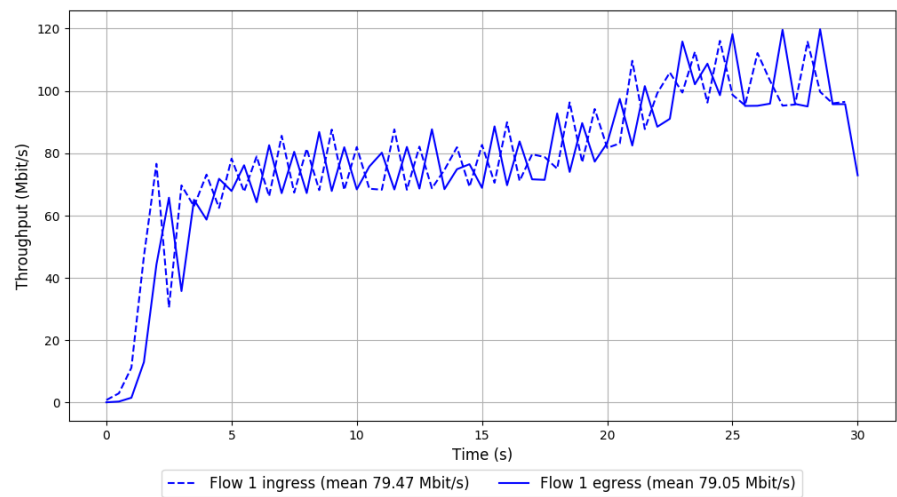


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 11:59:39
End at: 2018-05-24 12:00:09
Local clock offset: 0.092 ms
Remote clock offset: -0.583 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.05 Mbit/s
95th percentile per-packet one-way delay: 126.265 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 79.05 Mbit/s
95th percentile per-packet one-way delay: 126.265 ms
Loss rate: 1.01%

Run 3: Report of TCP Cubic — Data Link

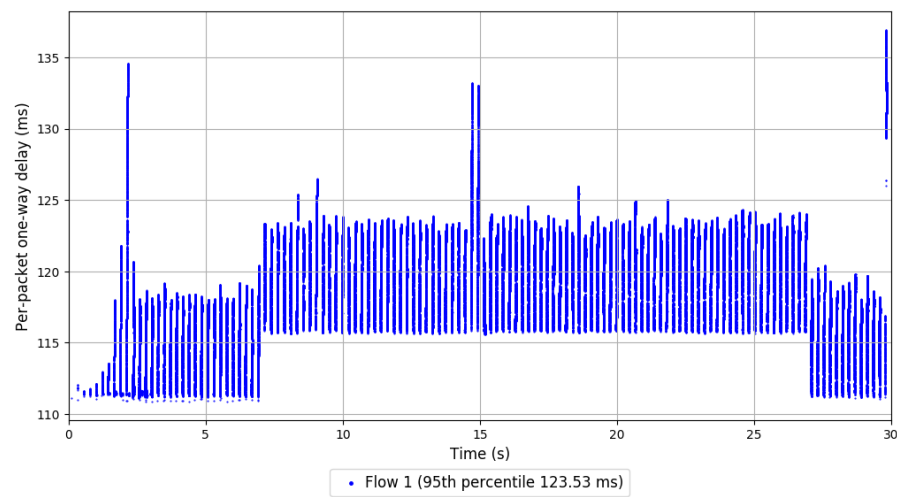
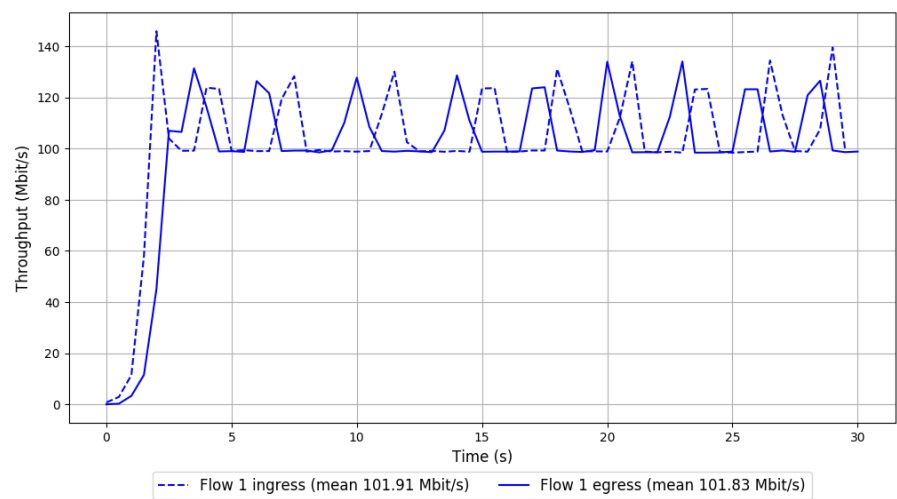


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 12:19:52
End at: 2018-05-24 12:20:22
Local clock offset: 0.478 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.83 Mbit/s
95th percentile per-packet one-way delay: 123.528 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 101.83 Mbit/s
95th percentile per-packet one-way delay: 123.528 ms
Loss rate: 0.81%

Run 4: Report of TCP Cubic — Data Link

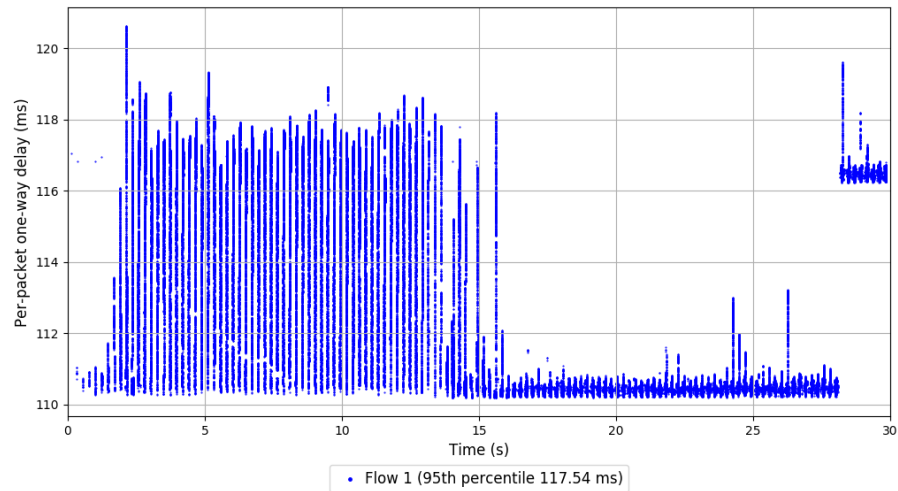
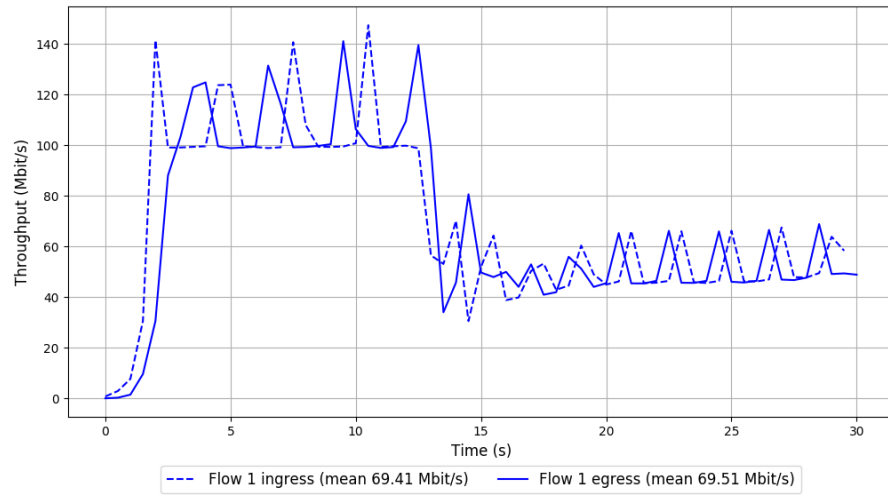


Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 12:40:51
End at: 2018-05-24 12:41:21
Local clock offset: -0.194 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 117.540 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 117.540 ms
Loss rate: 0.61%

Run 5: Report of TCP Cubic — Data Link

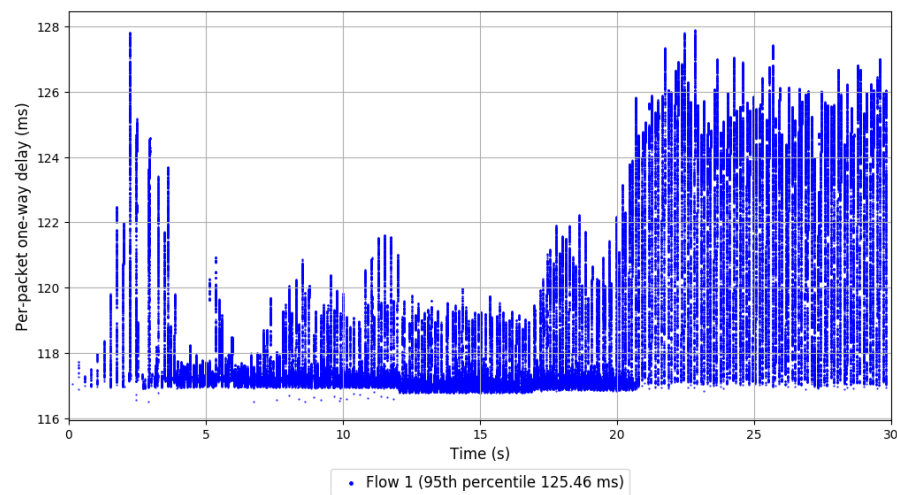
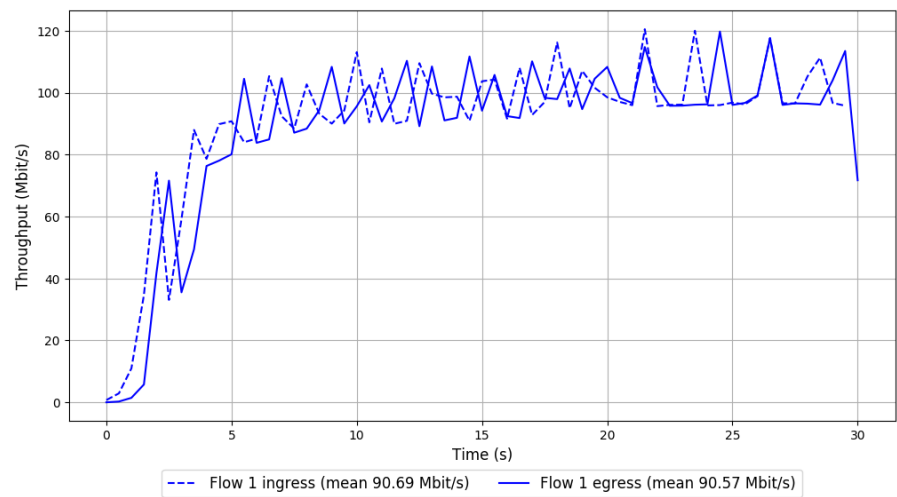


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 13:01:27
End at: 2018-05-24 13:01:57
Local clock offset: 0.035 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 125.457 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 125.457 ms
Loss rate: 0.88%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 13:21:41

End at: 2018-05-24 13:22:11

Local clock offset: 0.321 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-05-24 14:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 125.311 ms

Loss rate: 0.26%

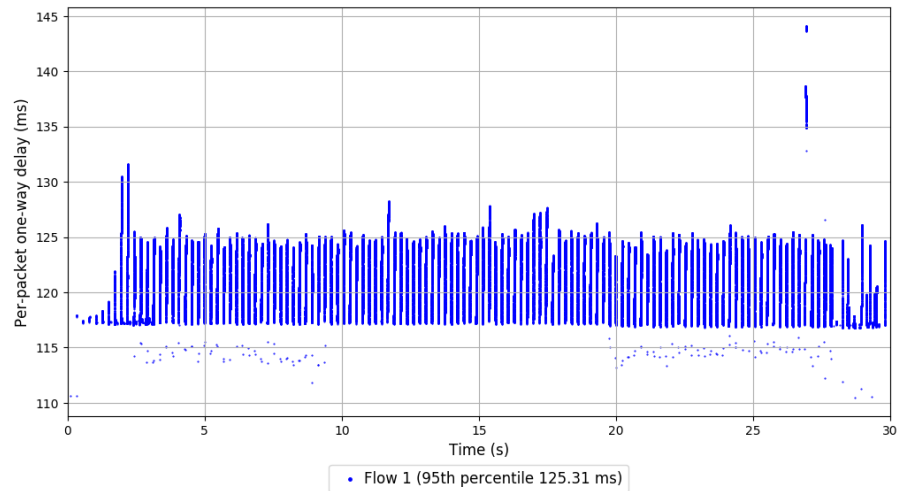
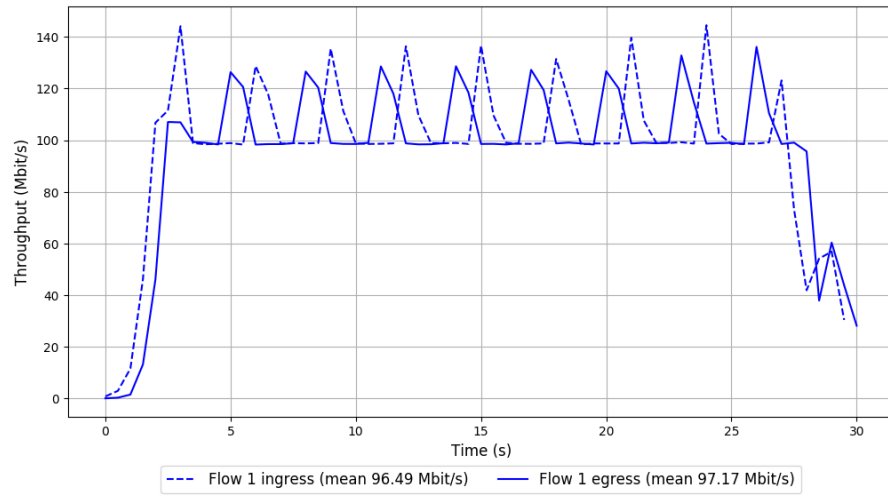
-- Flow 1:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 125.311 ms

Loss rate: 0.26%

Run 7: Report of TCP Cubic — Data Link

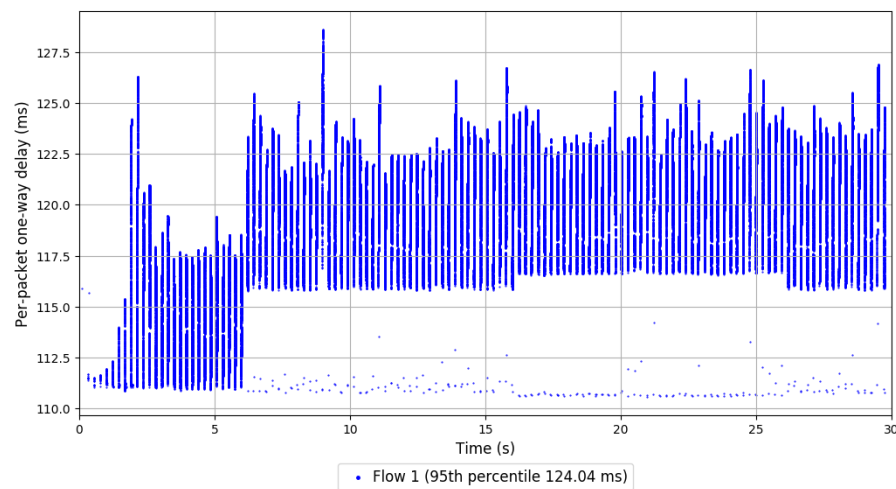
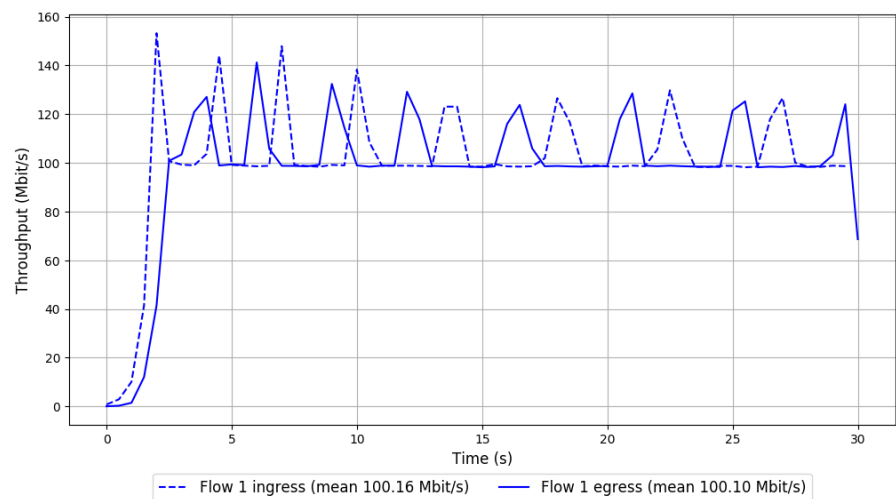


Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 13:42:24
End at: 2018-05-24 13:42:54
Local clock offset: 0.189 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.10 Mbit/s
95th percentile per-packet one-way delay: 124.037 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 100.10 Mbit/s
95th percentile per-packet one-way delay: 124.037 ms
Loss rate: 0.82%

Run 8: Report of TCP Cubic — Data Link

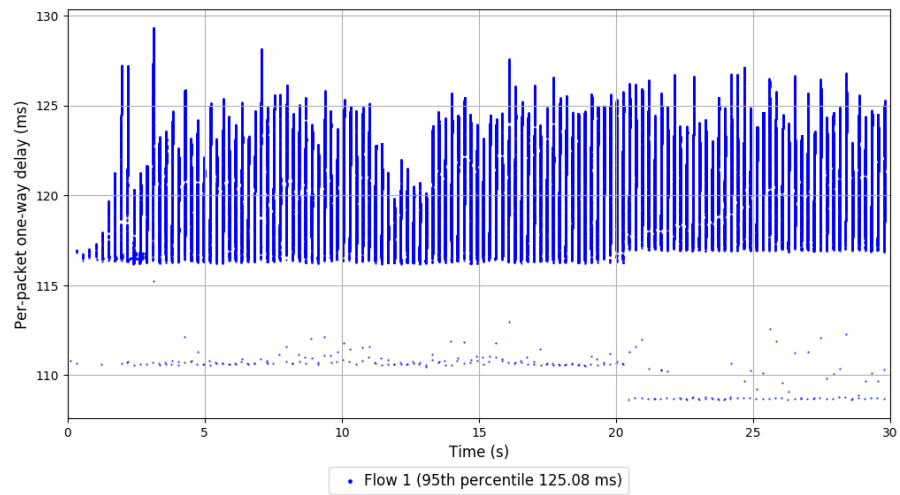
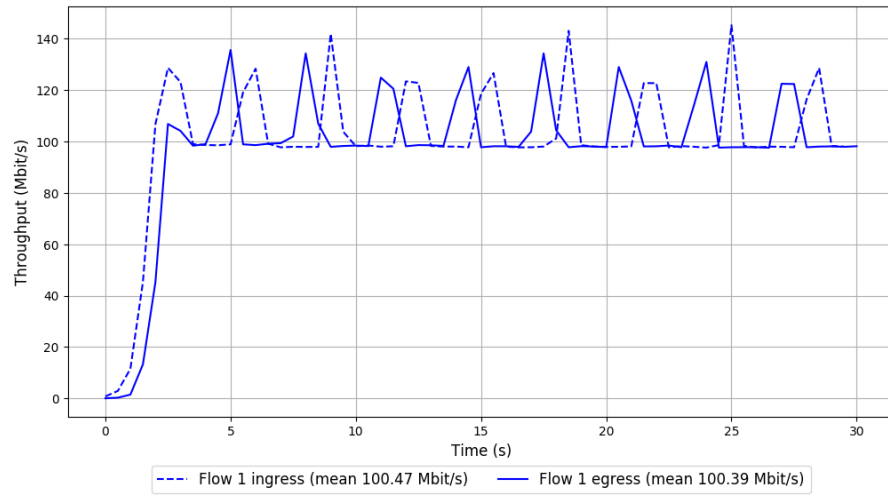


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 14:02:50
End at: 2018-05-24 14:03:20
Local clock offset: -0.218 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-05-24 14:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.39 Mbit/s
95th percentile per-packet one-way delay: 125.082 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 100.39 Mbit/s
95th percentile per-packet one-way delay: 125.082 ms
Loss rate: 0.82%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 14:23:05

End at: 2018-05-24 14:23:35

Local clock offset: 0.006 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-05-24 14:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.11 Mbit/s

95th percentile per-packet one-way delay: 117.037 ms

Loss rate: 1.07%

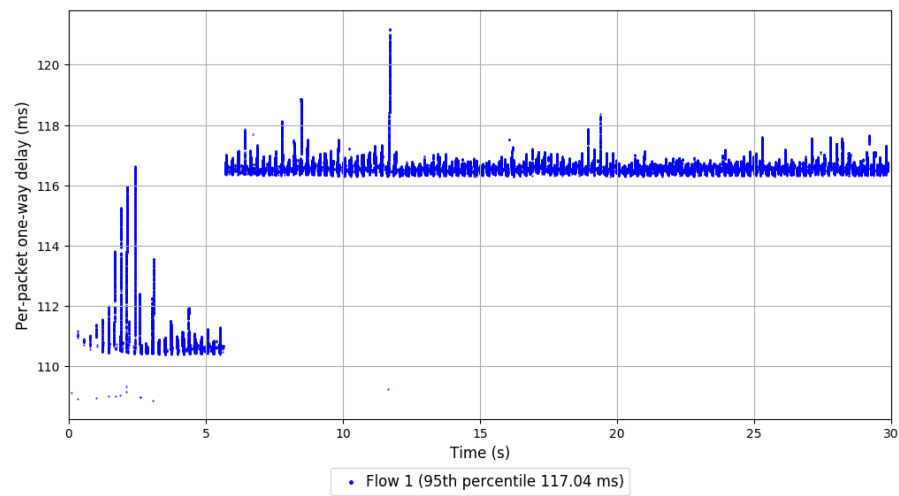
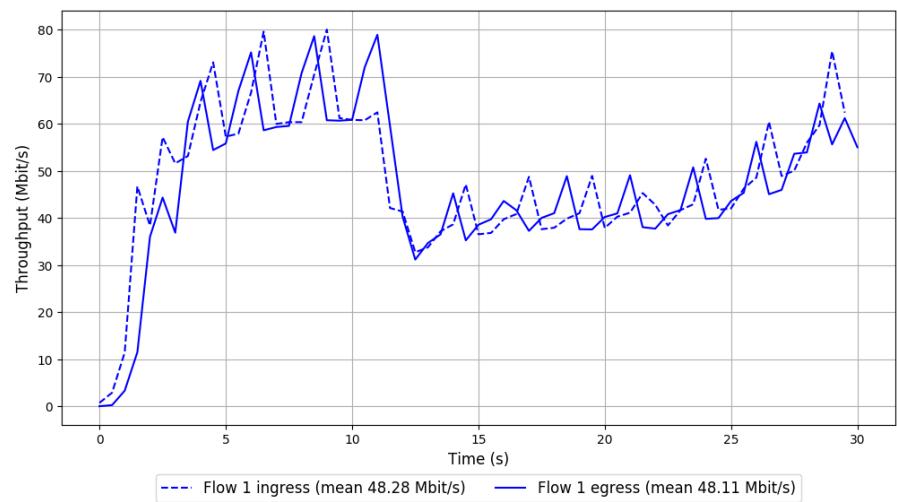
-- Flow 1:

Average throughput: 48.11 Mbit/s

95th percentile per-packet one-way delay: 117.037 ms

Loss rate: 1.07%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-24 11:25:35

End at: 2018-05-24 11:26:05

Local clock offset: -0.104 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-24 14:55:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.52 Mbit/s

95th percentile per-packet one-way delay: 299.854 ms

Loss rate: 0.79%

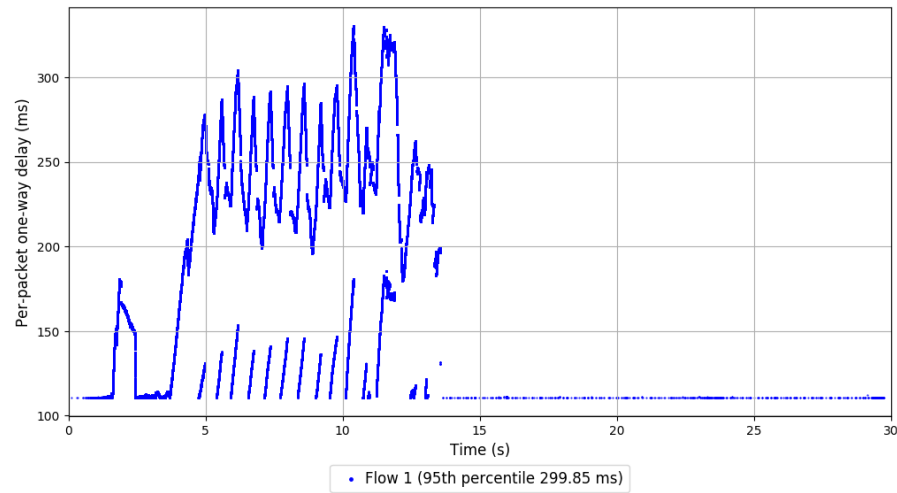
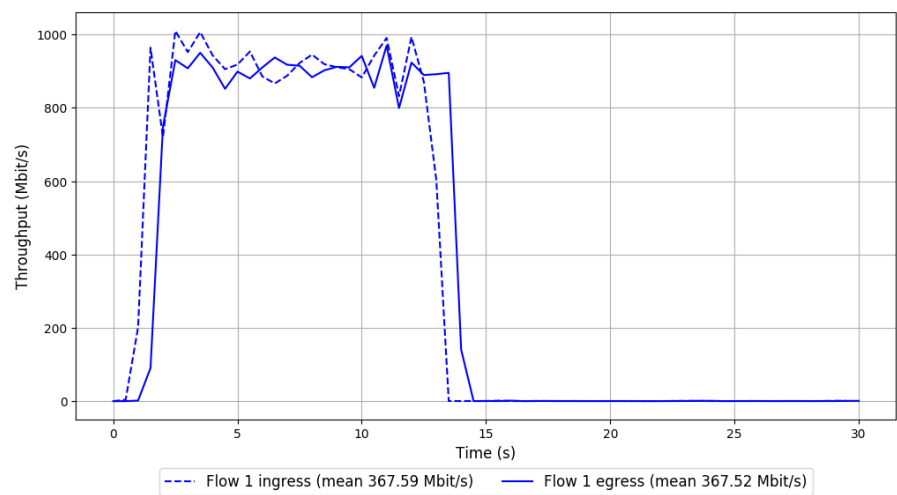
-- Flow 1:

Average throughput: 367.52 Mbit/s

95th percentile per-packet one-way delay: 299.854 ms

Loss rate: 0.79%

Run 1: Report of FillP — Data Link

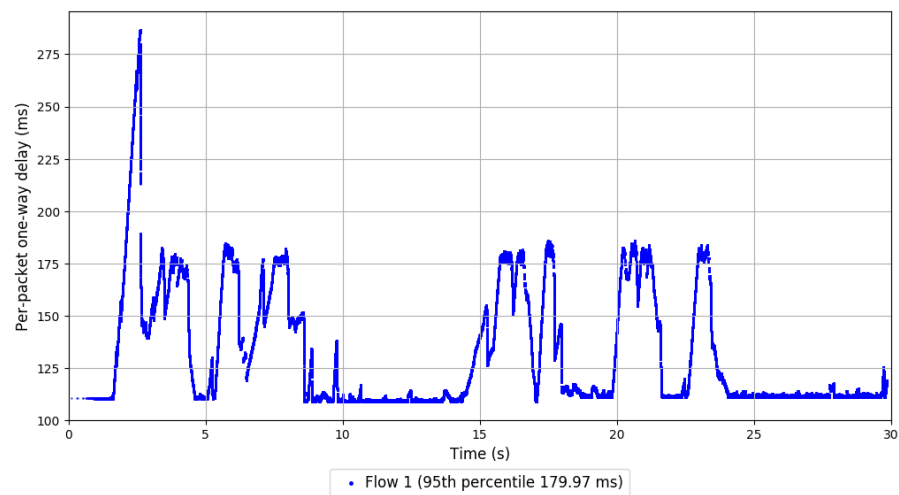
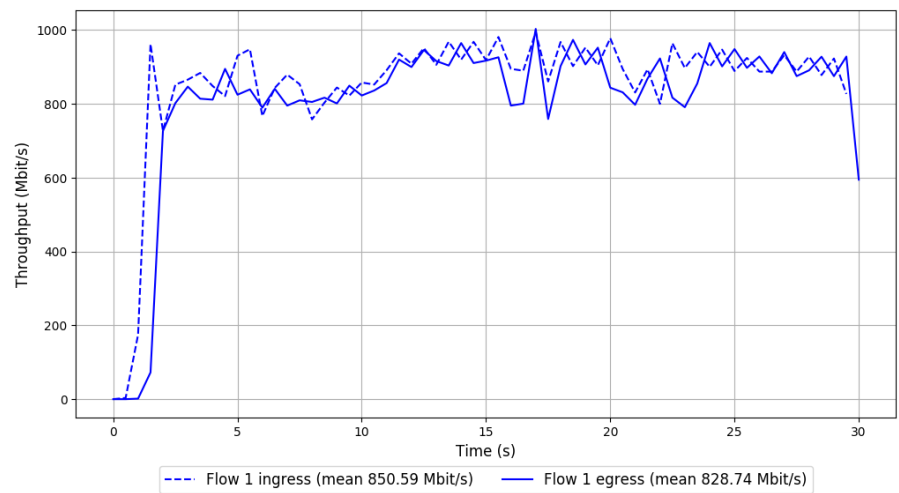


Run 2: Statistics of FillP

Start at: 2018-05-24 11:46:21
End at: 2018-05-24 11:46:51
Local clock offset: 0.264 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-05-24 15:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 828.74 Mbit/s
95th percentile per-packet one-way delay: 179.970 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 828.74 Mbit/s
95th percentile per-packet one-way delay: 179.970 ms
Loss rate: 3.31%

Run 2: Report of FillP — Data Link

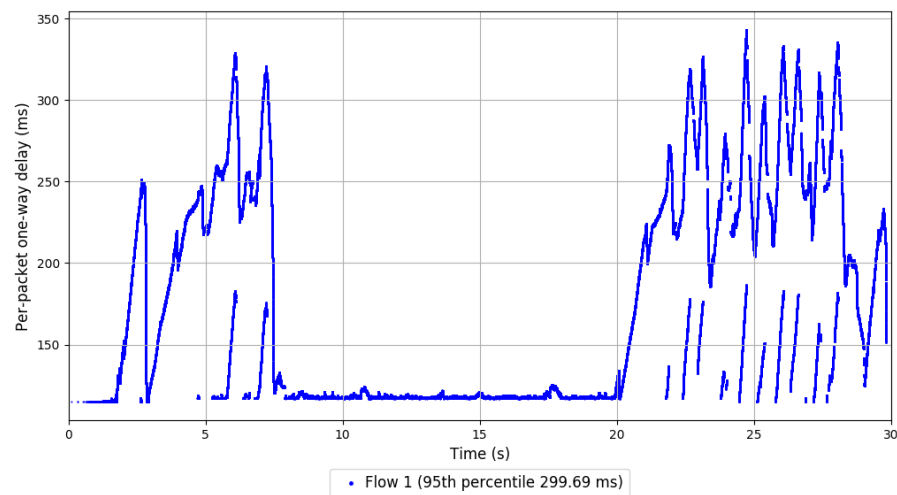
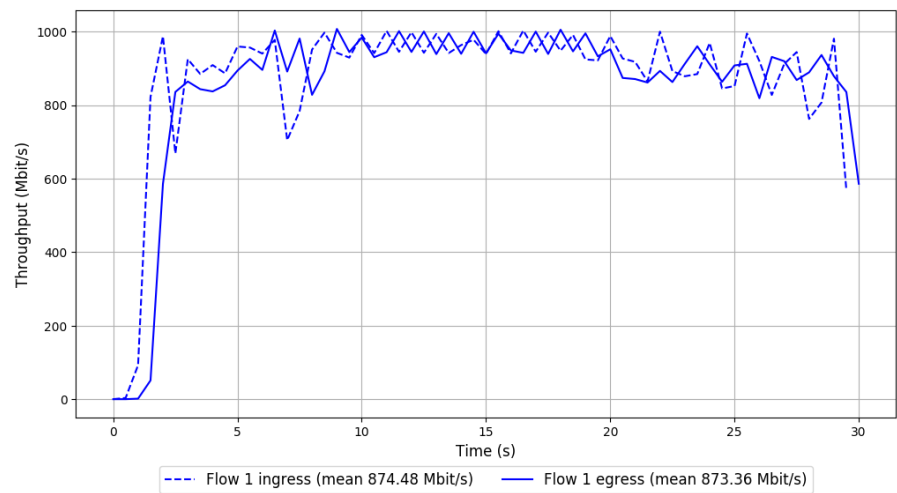


Run 3: Statistics of FillP

Start at: 2018-05-24 12:07:04
End at: 2018-05-24 12:07:34
Local clock offset: -0.082 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-05-24 15:06:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 873.36 Mbit/s
95th percentile per-packet one-way delay: 299.692 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 873.36 Mbit/s
95th percentile per-packet one-way delay: 299.692 ms
Loss rate: 0.88%

Run 3: Report of FillP — Data Link

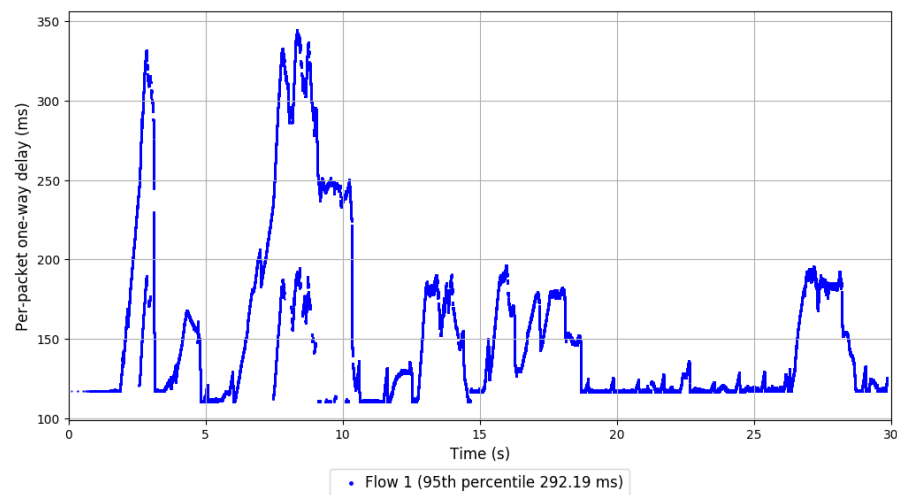
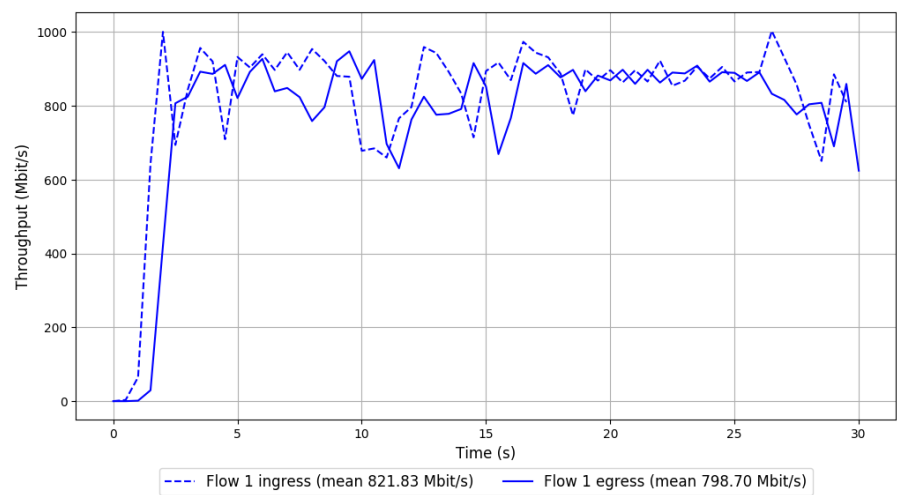


Run 4: Statistics of FillP

Start at: 2018-05-24 12:27:24
End at: 2018-05-24 12:27:54
Local clock offset: -0.025 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-05-24 15:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 798.70 Mbit/s
95th percentile per-packet one-way delay: 292.193 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 798.70 Mbit/s
95th percentile per-packet one-way delay: 292.193 ms
Loss rate: 3.56%

Run 4: Report of FillP — Data Link

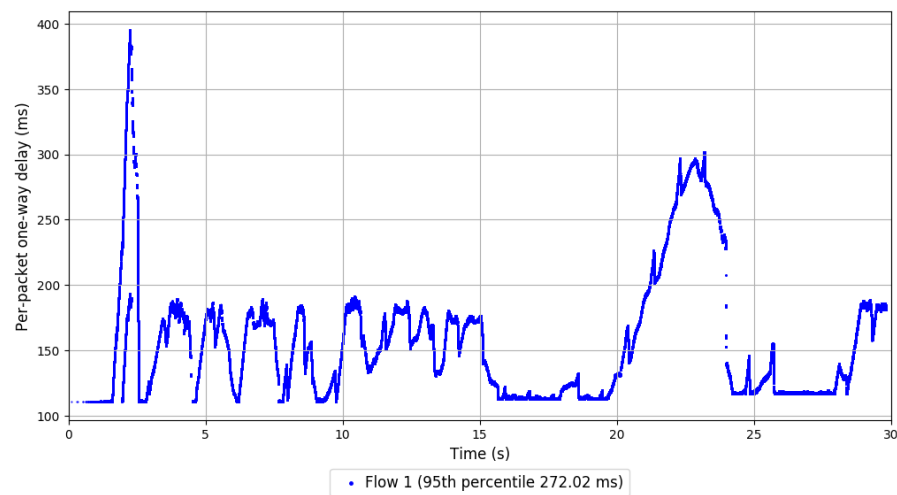
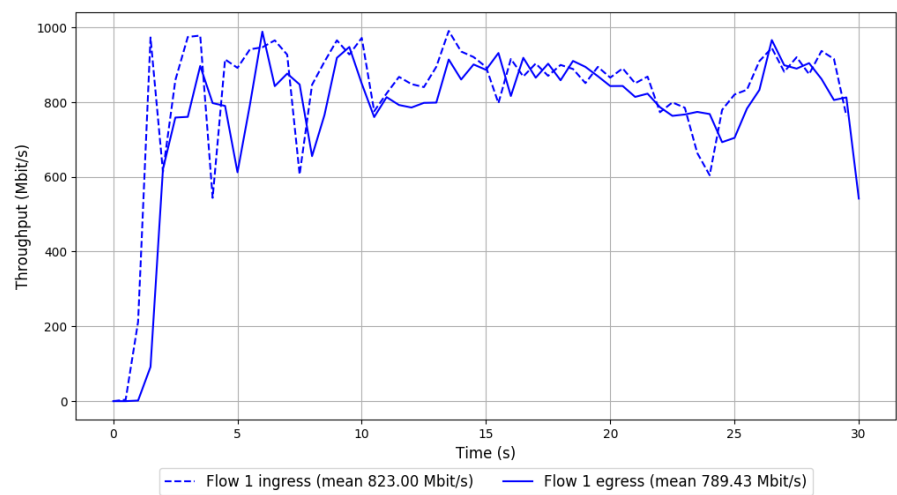


Run 5: Statistics of FillP

Start at: 2018-05-24 12:48:20
End at: 2018-05-24 12:48:50
Local clock offset: 0.196 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-05-24 15:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.43 Mbit/s
95th percentile per-packet one-way delay: 272.021 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 789.43 Mbit/s
95th percentile per-packet one-way delay: 272.021 ms
Loss rate: 4.79%

Run 5: Report of FillP — Data Link

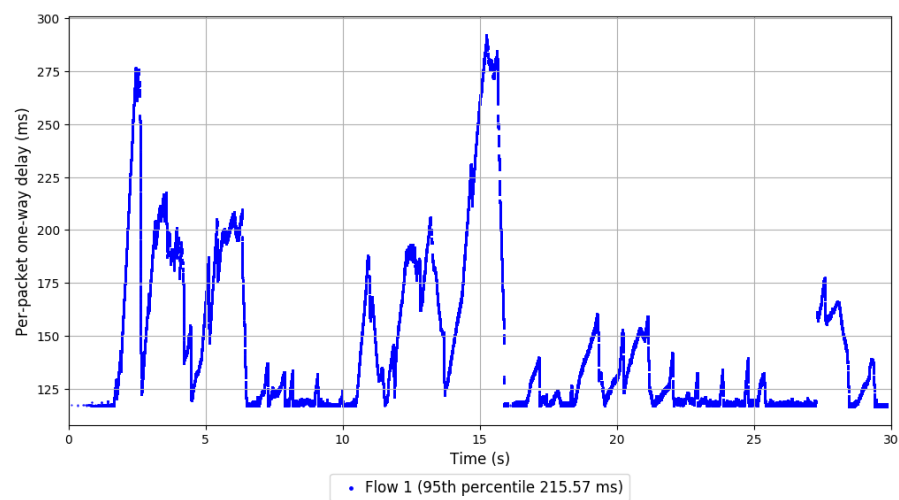
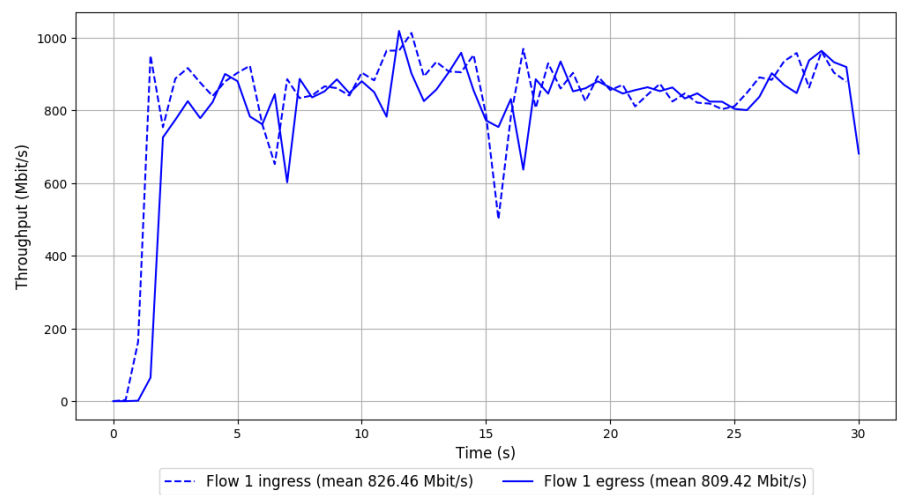


Run 6: Statistics of FillP

Start at: 2018-05-24 13:08:53
End at: 2018-05-24 13:09:23
Local clock offset: 0.127 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-05-24 15:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 809.42 Mbit/s
95th percentile per-packet one-way delay: 215.568 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 809.42 Mbit/s
95th percentile per-packet one-way delay: 215.568 ms
Loss rate: 2.81%

Run 6: Report of FillP — Data Link

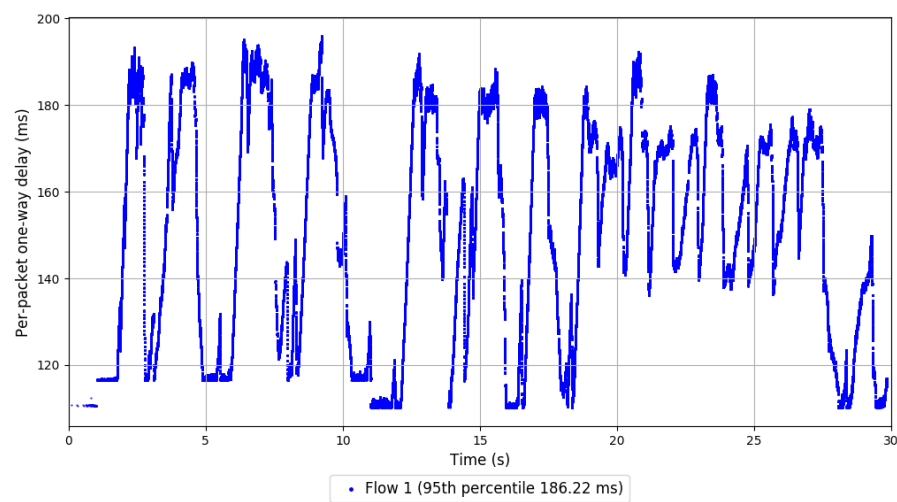
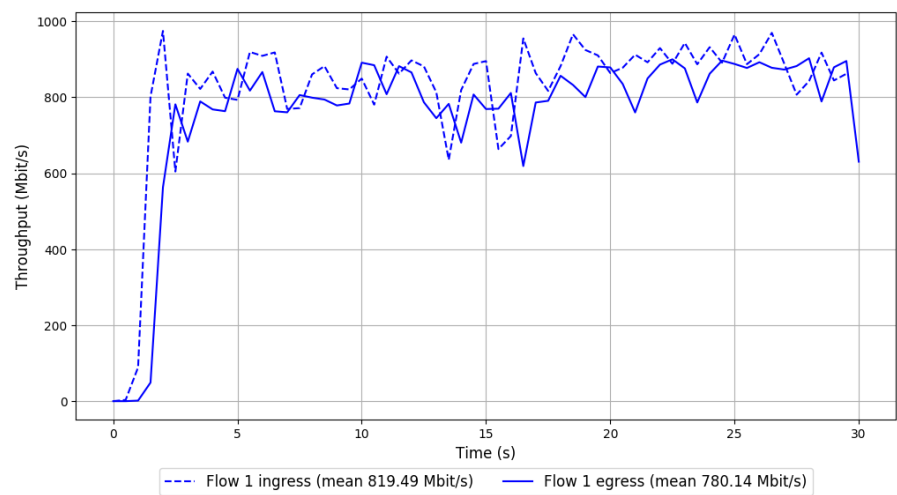


Run 7: Statistics of FillP

Start at: 2018-05-24 13:29:09
End at: 2018-05-24 13:29:39
Local clock offset: -0.138 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-05-24 15:06:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 780.14 Mbit/s
95th percentile per-packet one-way delay: 186.218 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 780.14 Mbit/s
95th percentile per-packet one-way delay: 186.218 ms
Loss rate: 5.51%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-24 13:49:52

End at: 2018-05-24 13:50:22

Local clock offset: 0.249 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-05-24 15:06:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 809.06 Mbit/s

95th percentile per-packet one-way delay: 188.268 ms

Loss rate: 4.56%

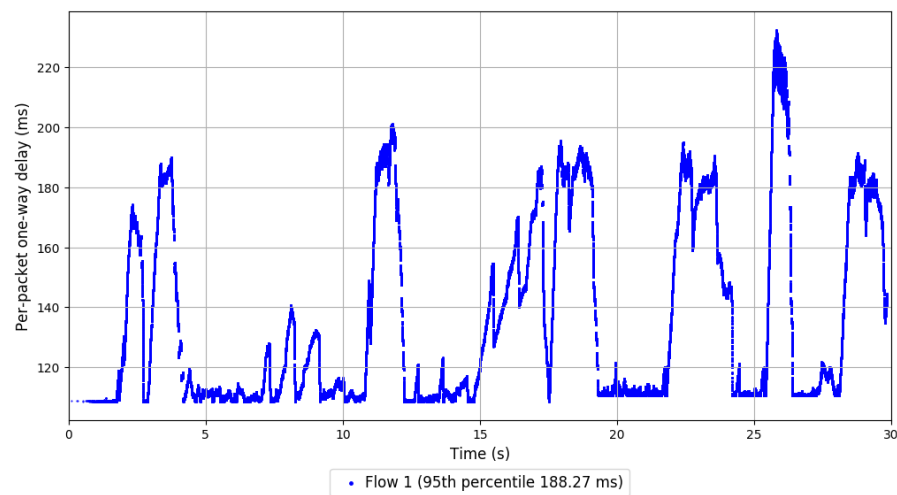
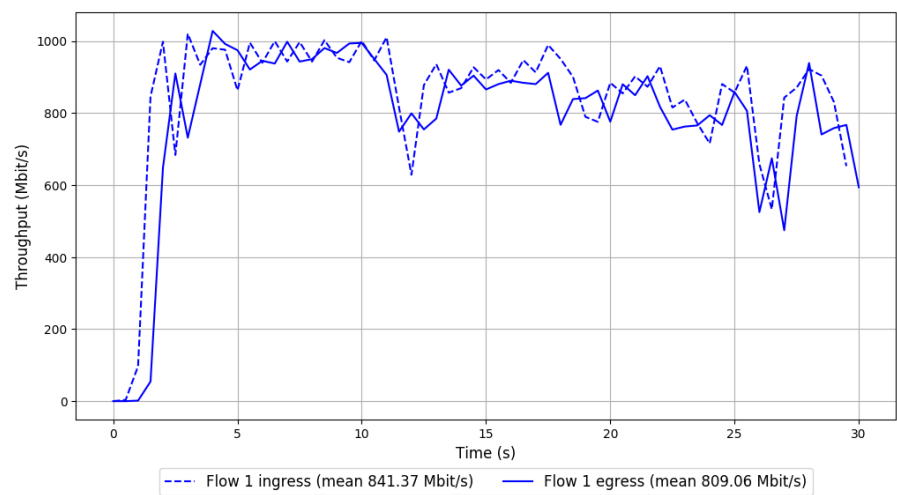
-- Flow 1:

Average throughput: 809.06 Mbit/s

95th percentile per-packet one-way delay: 188.268 ms

Loss rate: 4.56%

Run 8: Report of FillP — Data Link

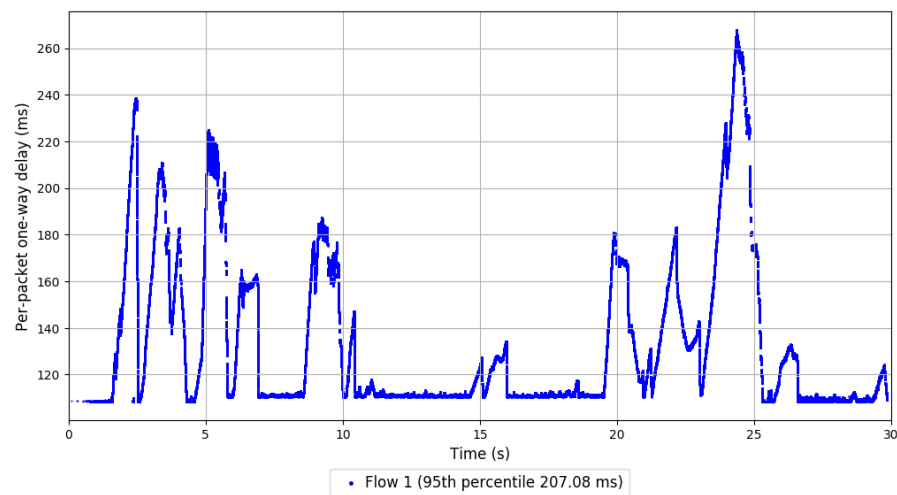
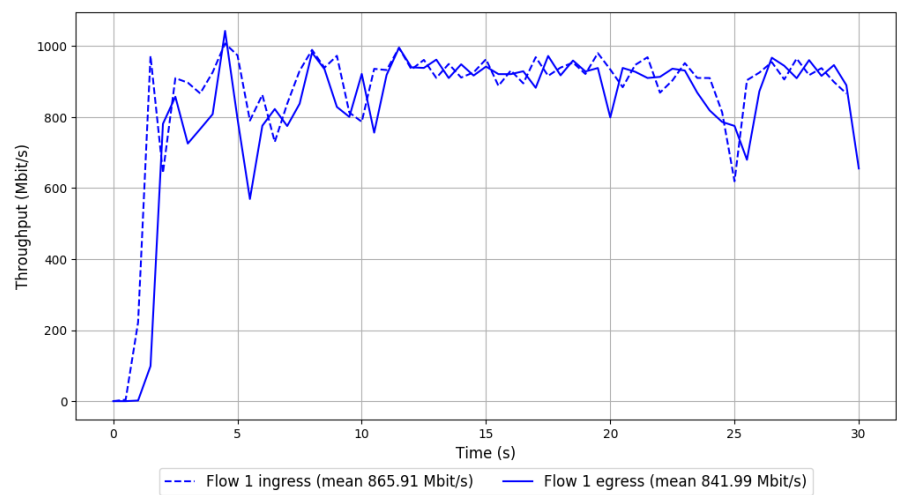


Run 9: Statistics of FillP

Start at: 2018-05-24 14:10:16
End at: 2018-05-24 14:10:46
Local clock offset: -0.356 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-05-24 15:14:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 841.99 Mbit/s
95th percentile per-packet one-way delay: 207.078 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 841.99 Mbit/s
95th percentile per-packet one-way delay: 207.078 ms
Loss rate: 3.48%

Run 9: Report of FillP — Data Link

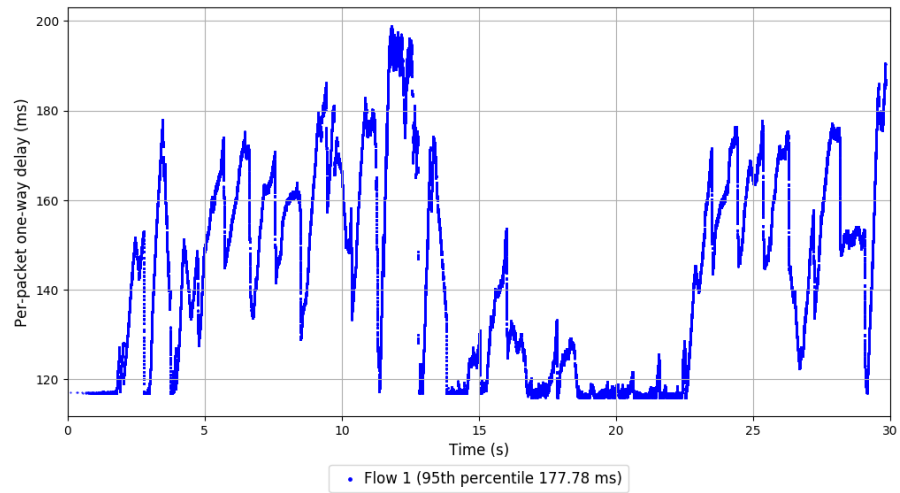
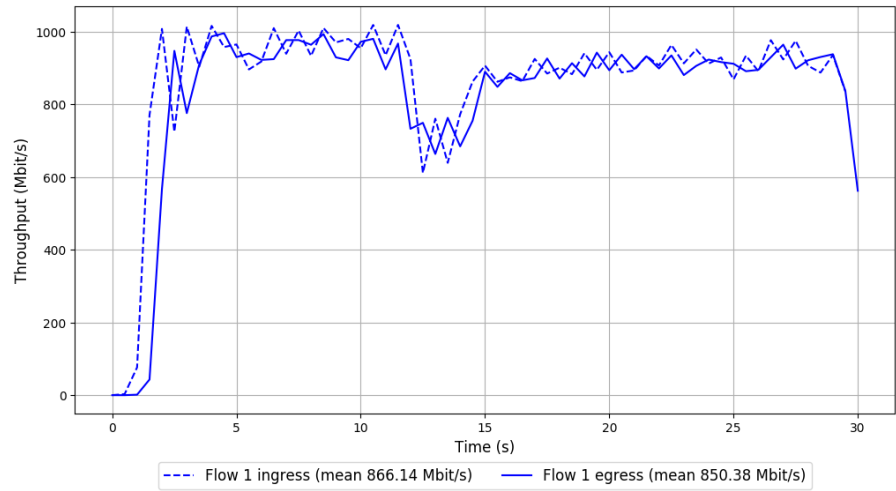


Run 10: Statistics of FillP

Start at: 2018-05-24 14:30:34
End at: 2018-05-24 14:31:04
Local clock offset: -0.229 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 850.38 Mbit/s
95th percentile per-packet one-way delay: 177.785 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 850.38 Mbit/s
95th percentile per-packet one-way delay: 177.785 ms
Loss rate: 2.58%

Run 10: Report of FillP — Data Link

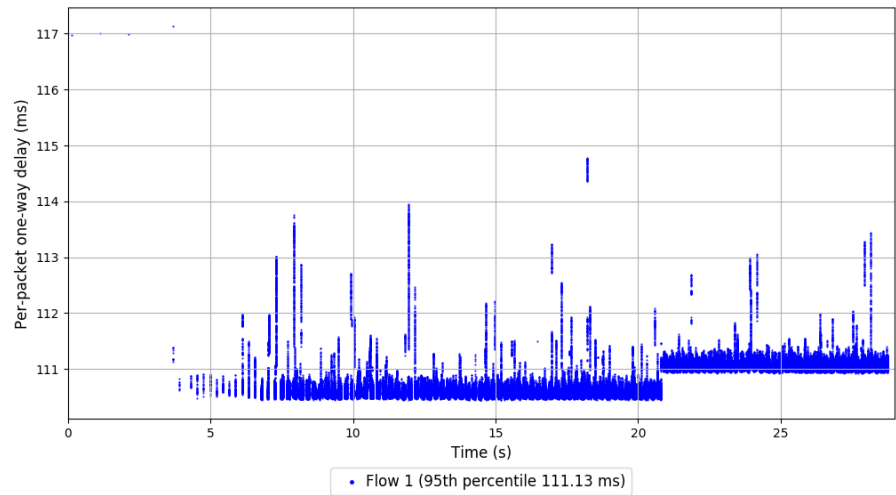
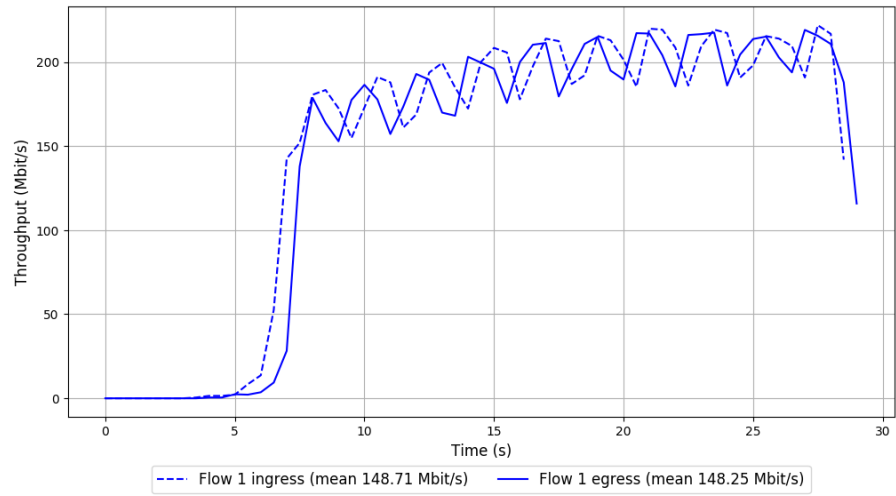


Run 1: Statistics of Indigo

Start at: 2018-05-24 11:24:17
End at: 2018-05-24 11:24:47
Local clock offset: 0.005 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 111.133 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 111.133 ms
Loss rate: 1.09%

Run 1: Report of Indigo — Data Link

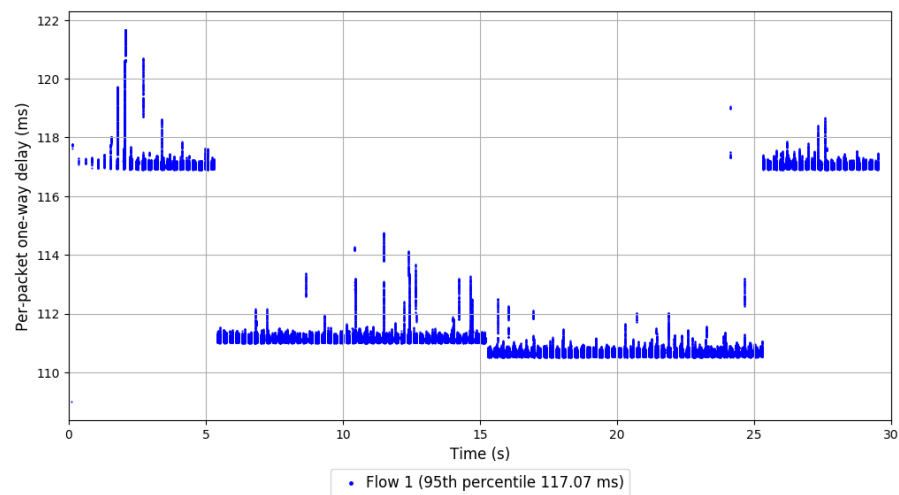
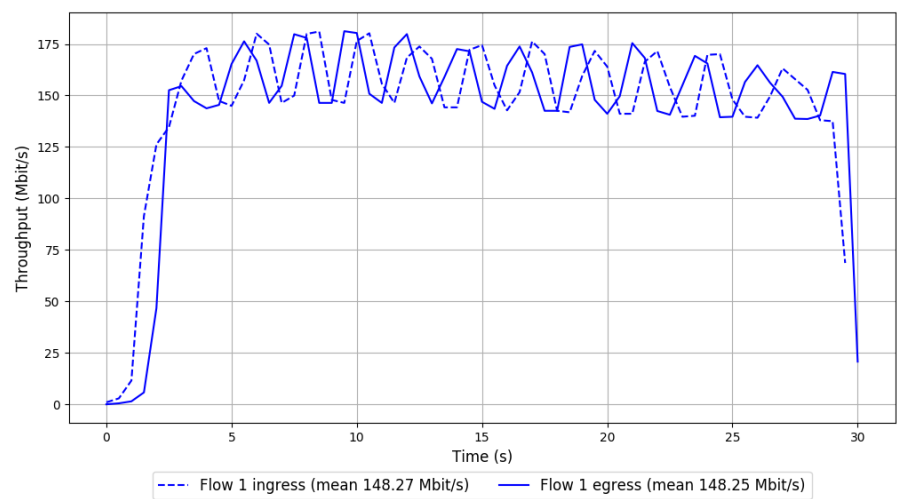


Run 2: Statistics of Indigo

Start at: 2018-05-24 11:45:03
End at: 2018-05-24 11:45:33
Local clock offset: 0.145 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 117.071 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 117.071 ms
Loss rate: 0.78%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-24 12:05:47

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

Local clock offset: 0.178 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-05-24 15:21:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.79 Mbit/s

95th percentile per-packet one-way delay: 117.083 ms

Loss rate: 0.82%

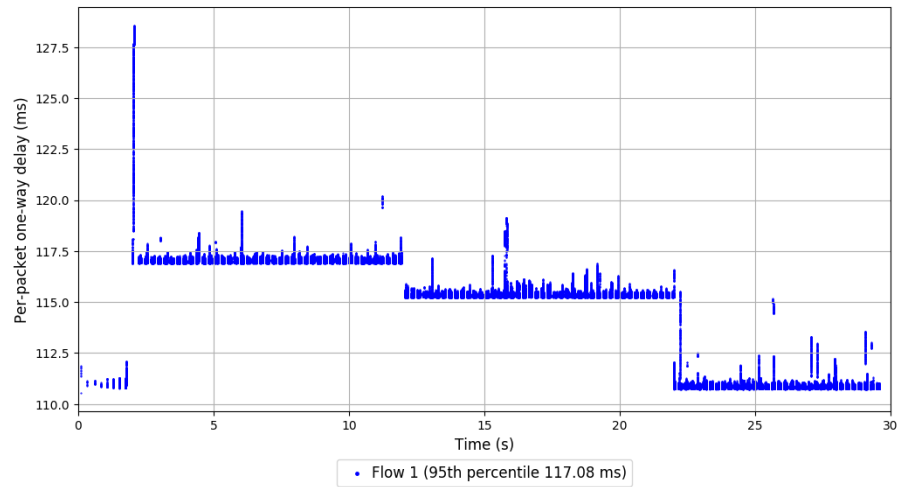
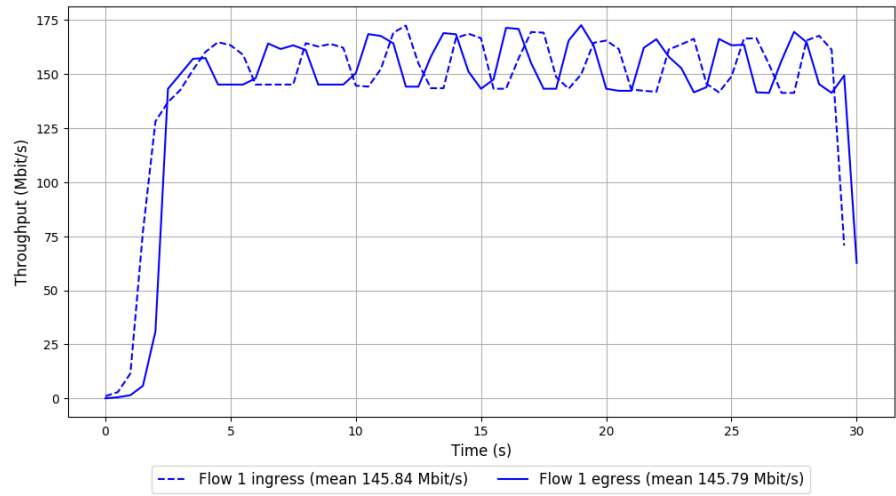
-- Flow 1:

Average throughput: 145.79 Mbit/s

95th percentile per-packet one-way delay: 117.083 ms

Loss rate: 0.82%

Run 3: Report of Indigo — Data Link

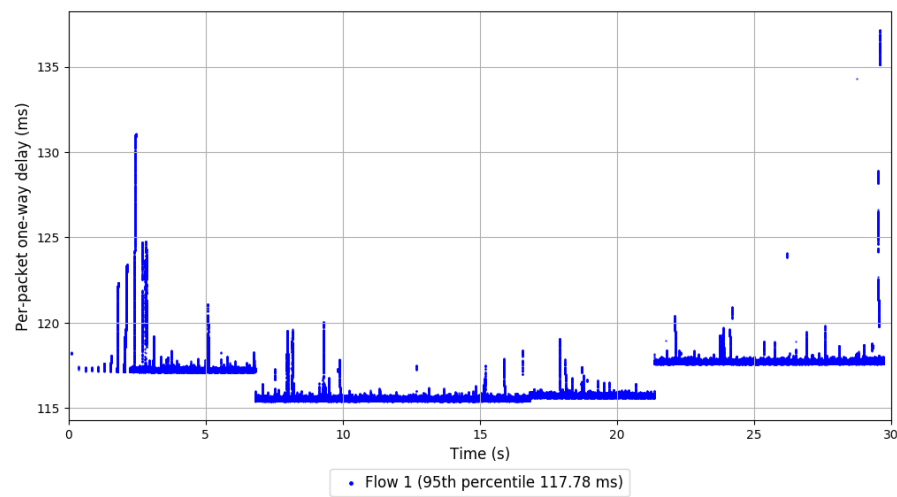
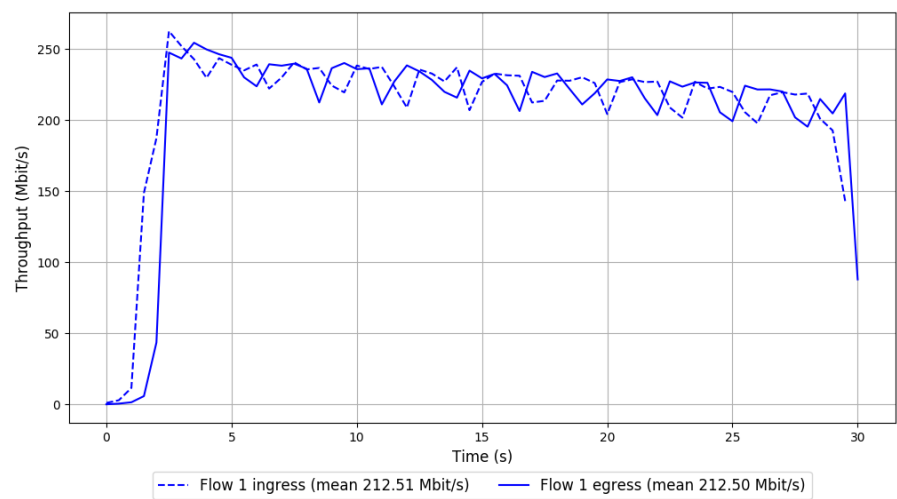


Run 4: Statistics of Indigo

Start at: 2018-05-24 12:26:02
End at: 2018-05-24 12:26:32
Local clock offset: 0.313 ms
Remote clock offset: -0.531 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 117.775 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 117.775 ms
Loss rate: 0.77%

Run 4: Report of Indigo — Data Link

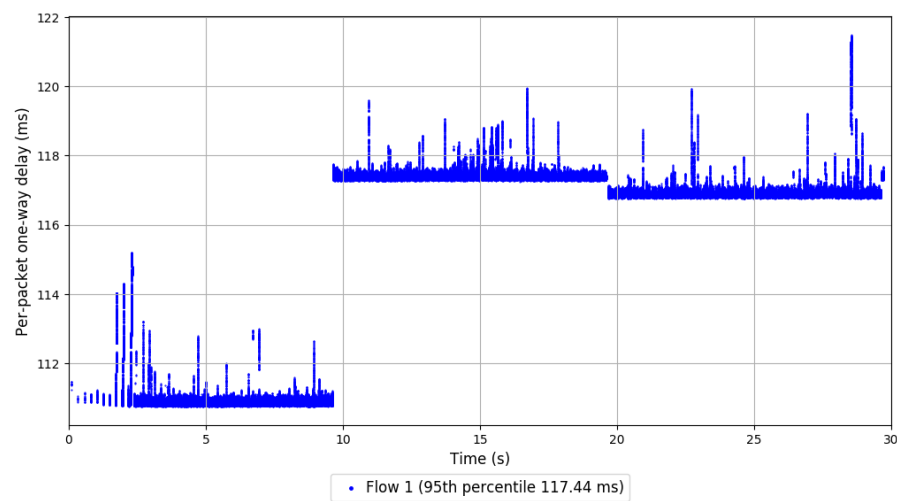
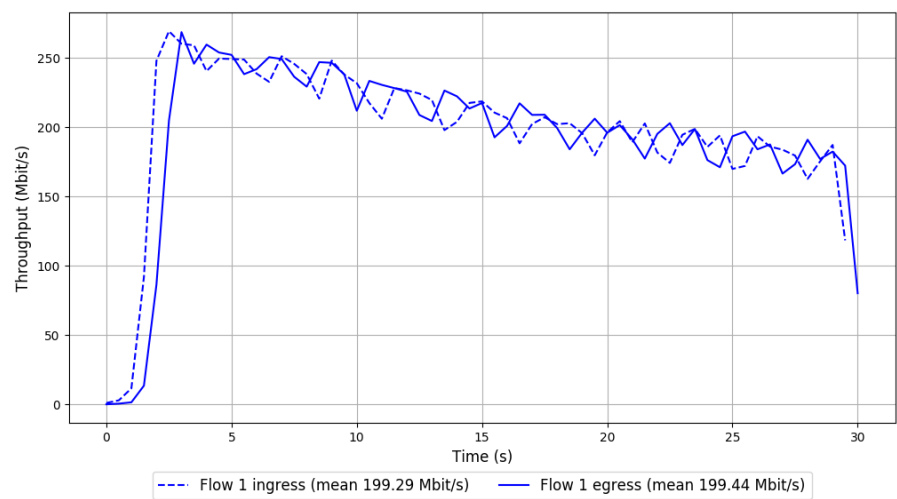


Run 5: Statistics of Indigo

Start at: 2018-05-24 12:46:59
End at: 2018-05-24 12:47:29
Local clock offset: 0.396 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.44 Mbit/s
95th percentile per-packet one-way delay: 117.442 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 199.44 Mbit/s
95th percentile per-packet one-way delay: 117.442 ms
Loss rate: 0.67%

Run 5: Report of Indigo — Data Link

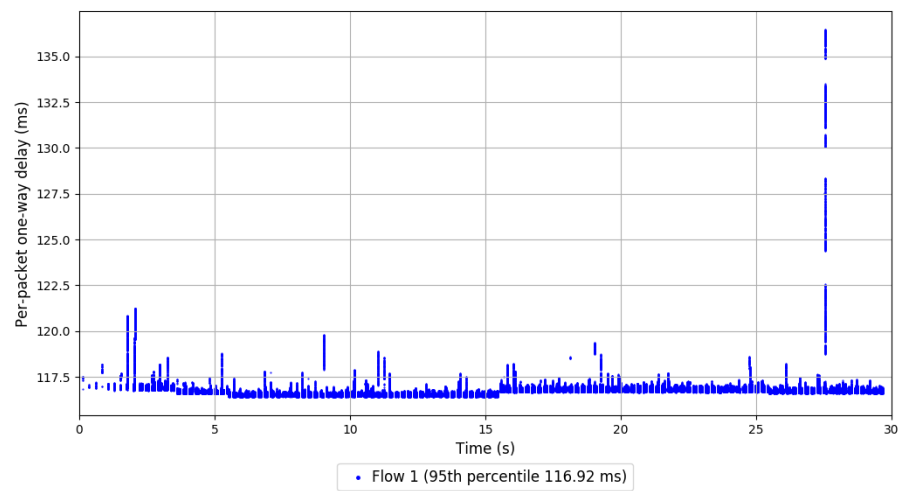
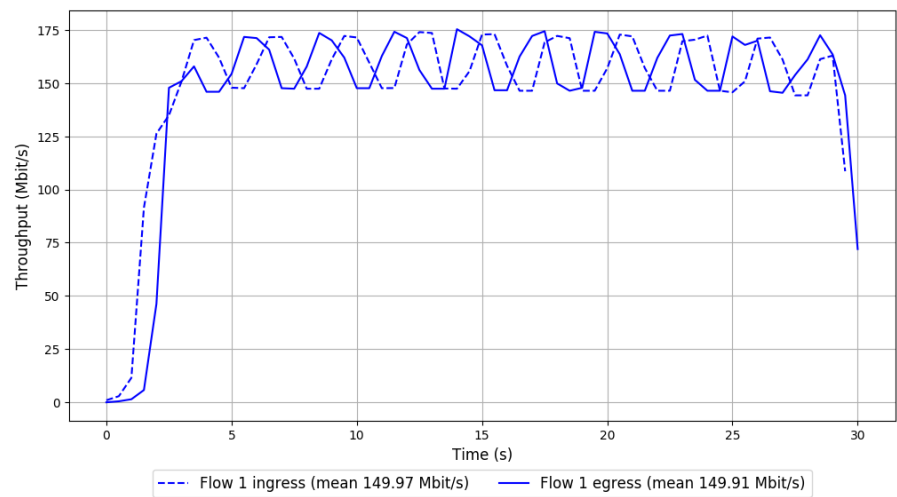


Run 6: Statistics of Indigo

Start at: 2018-05-24 13:07:35
End at: 2018-05-24 13:08:05
Local clock offset: -0.076 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.91 Mbit/s
95th percentile per-packet one-way delay: 116.917 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 149.91 Mbit/s
95th percentile per-packet one-way delay: 116.917 ms
Loss rate: 0.81%

Run 6: Report of Indigo — Data Link

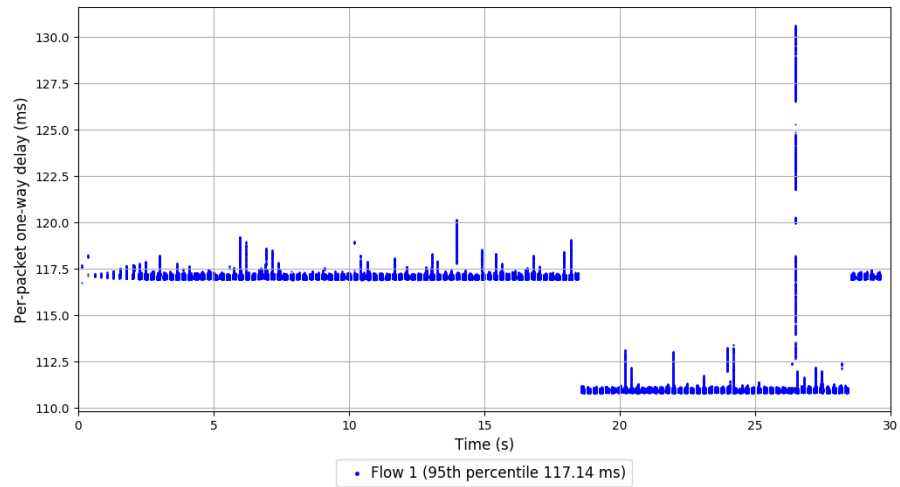
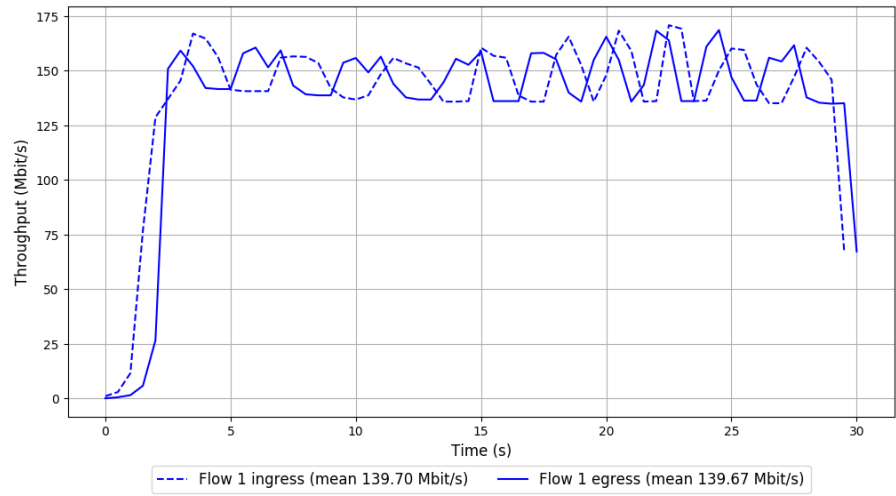


Run 7: Statistics of Indigo

Start at: 2018-05-24 13:27:52
End at: 2018-05-24 13:28:22
Local clock offset: 0.141 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.67 Mbit/s
95th percentile per-packet one-way delay: 117.137 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 139.67 Mbit/s
95th percentile per-packet one-way delay: 117.137 ms
Loss rate: 0.81%

Run 7: Report of Indigo — Data Link

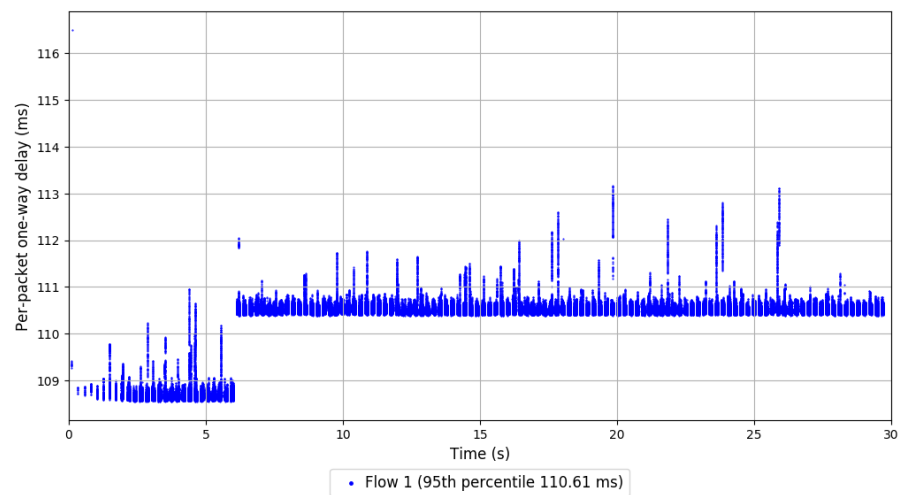
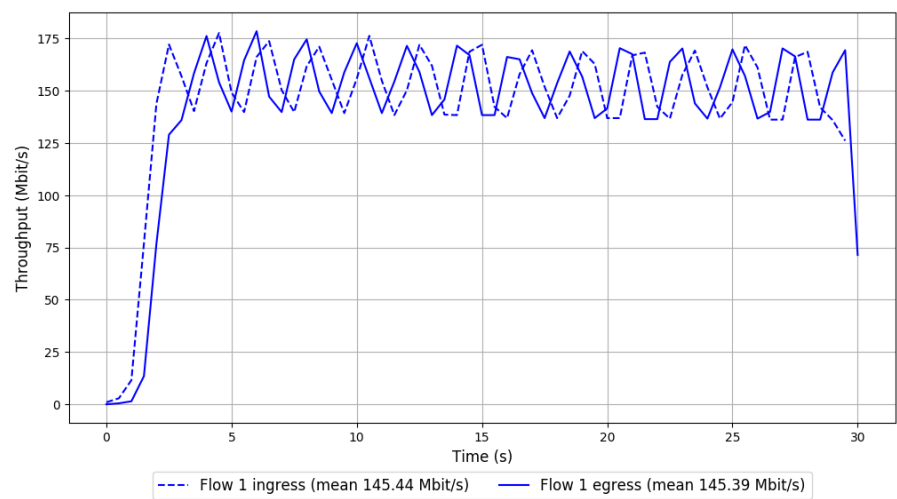


Run 8: Statistics of Indigo

Start at: 2018-05-24 13:48:34
End at: 2018-05-24 13:49:04
Local clock offset: -0.066 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.39 Mbit/s
95th percentile per-packet one-way delay: 110.608 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 145.39 Mbit/s
95th percentile per-packet one-way delay: 110.608 ms
Loss rate: 0.77%

Run 8: Report of Indigo — Data Link

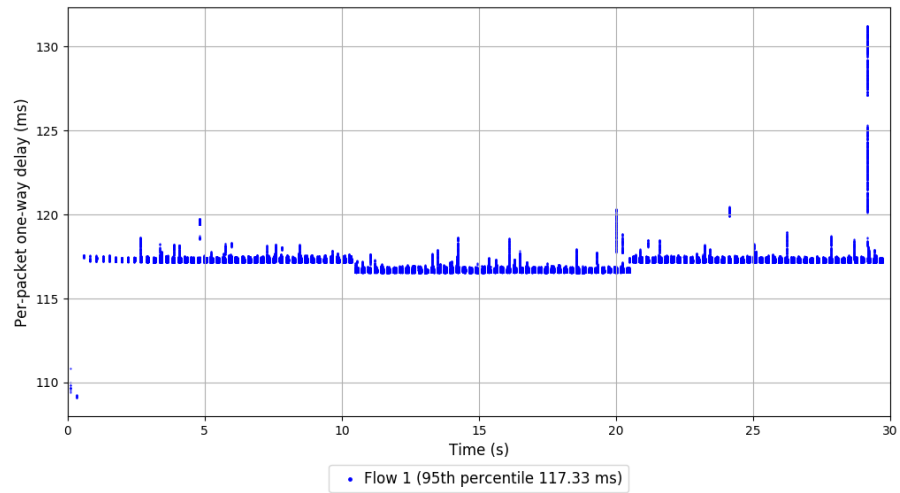
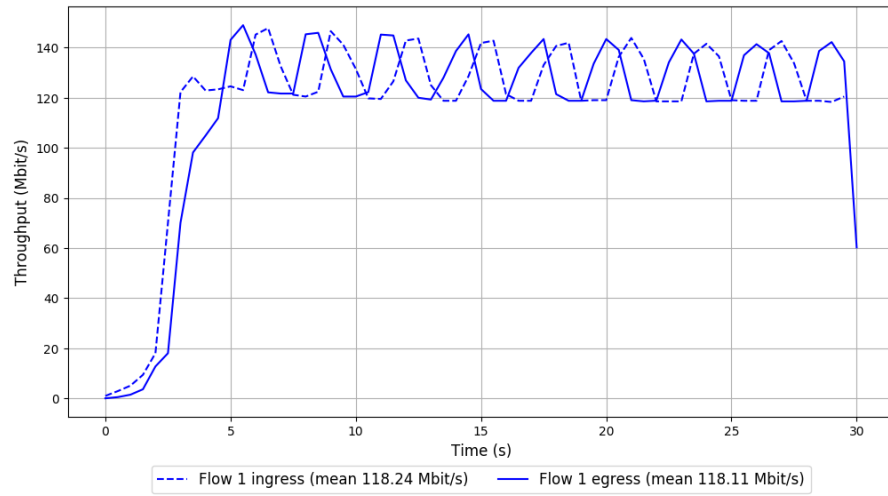


Run 9: Statistics of Indigo

Start at: 2018-05-24 14:09:00
End at: 2018-05-24 14:09:30
Local clock offset: 0.225 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.11 Mbit/s
95th percentile per-packet one-way delay: 117.333 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 118.11 Mbit/s
95th percentile per-packet one-way delay: 117.333 ms
Loss rate: 0.85%

Run 9: Report of Indigo — Data Link

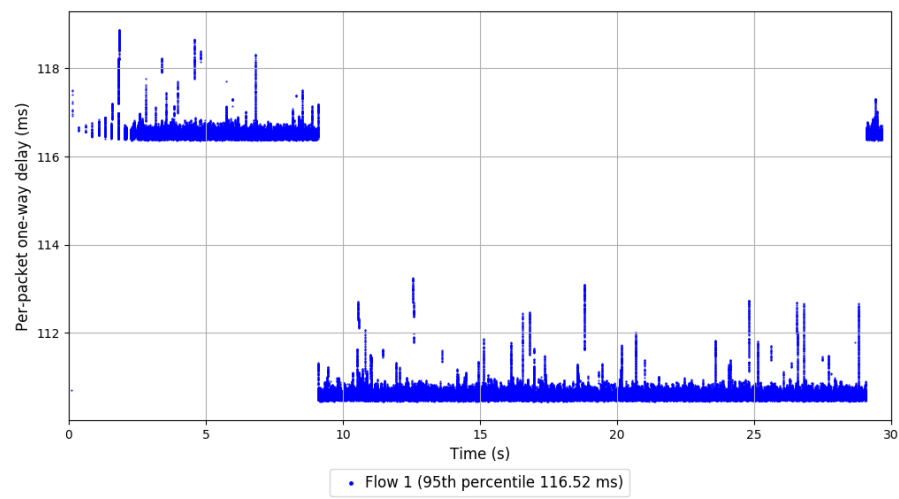
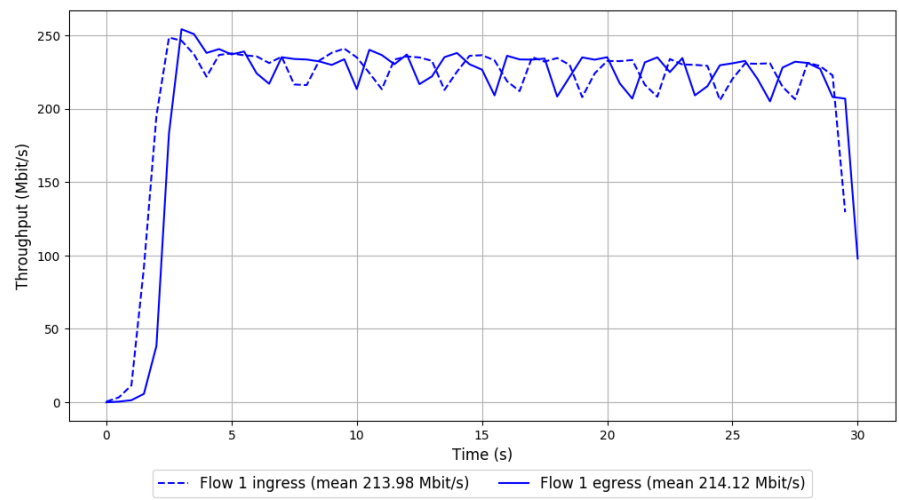


Run 10: Statistics of Indigo

Start at: 2018-05-24 14:29:11
End at: 2018-05-24 14:29:41
Local clock offset: 0.031 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.12 Mbit/s
95th percentile per-packet one-way delay: 116.521 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 214.12 Mbit/s
95th percentile per-packet one-way delay: 116.521 ms
Loss rate: 0.79%

Run 10: Report of Indigo — Data Link

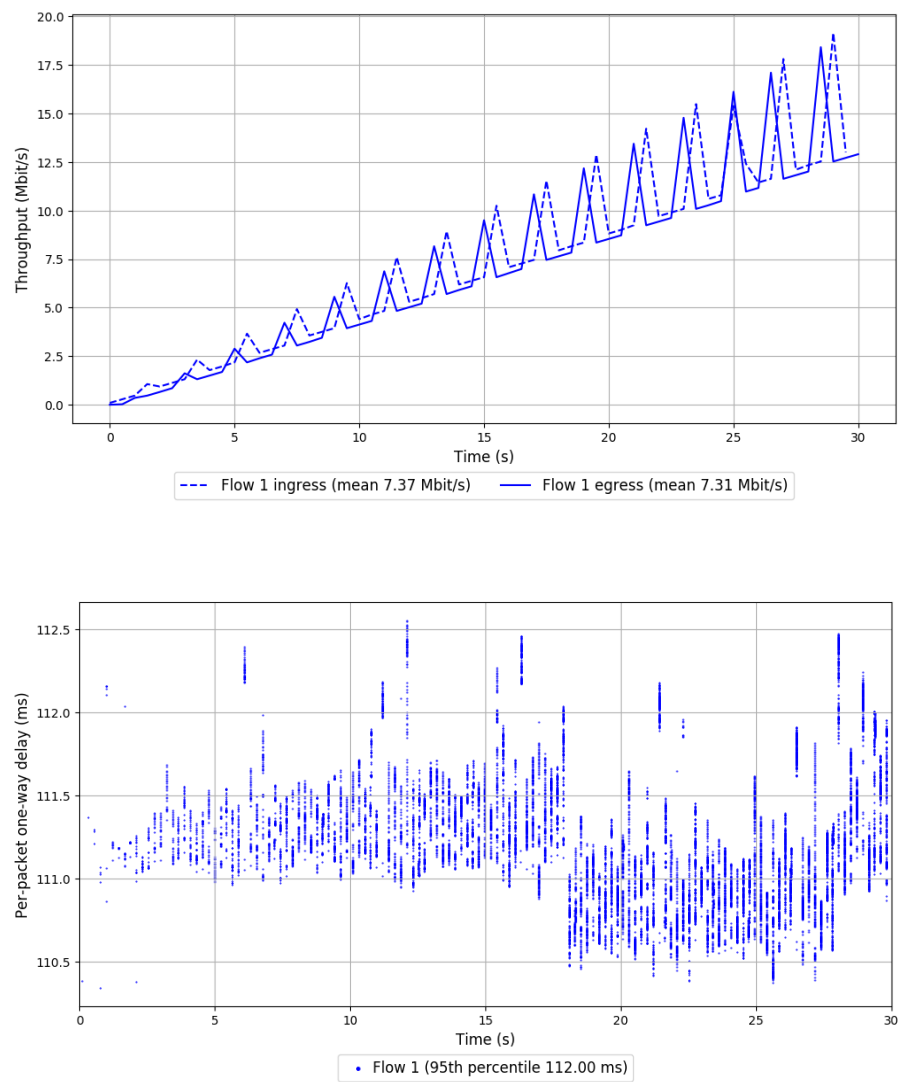


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 11:30:01
End at: 2018-05-24 11:30:31
Local clock offset: -0.153 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2018-05-24 15:21:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 111.999 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 111.999 ms
Loss rate: 1.48%
```

Run 1: Report of LEDBAT — Data Link

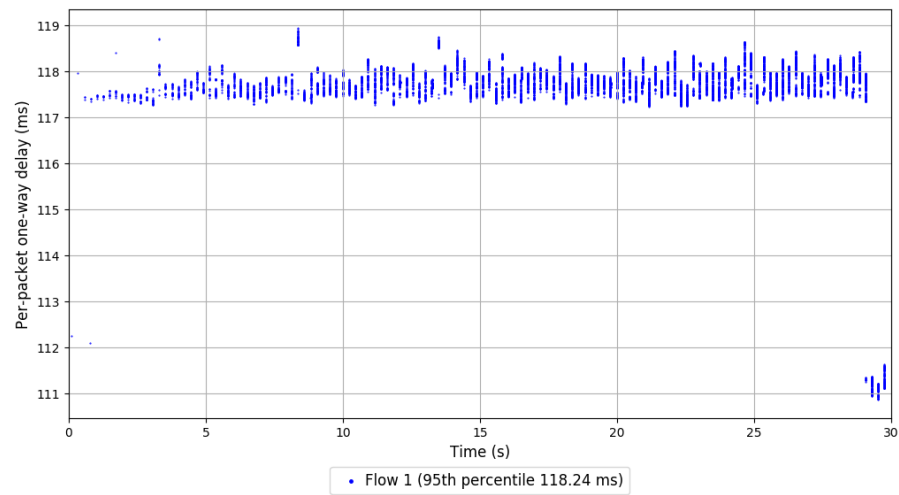
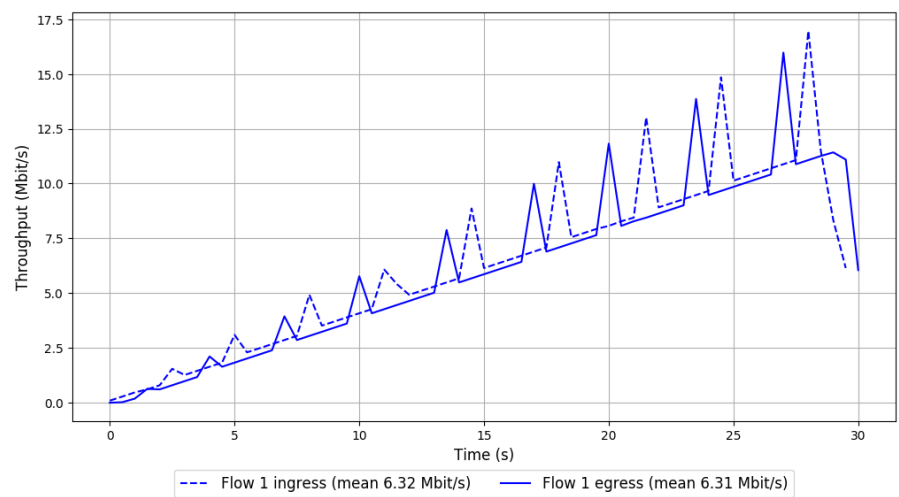


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 11:50:50
End at: 2018-05-24 11:51:20
Local clock offset: 0.039 ms
Remote clock offset: -0.529 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 118.241 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 118.241 ms
Loss rate: 0.82%

Run 2: Report of LEDBAT — Data Link

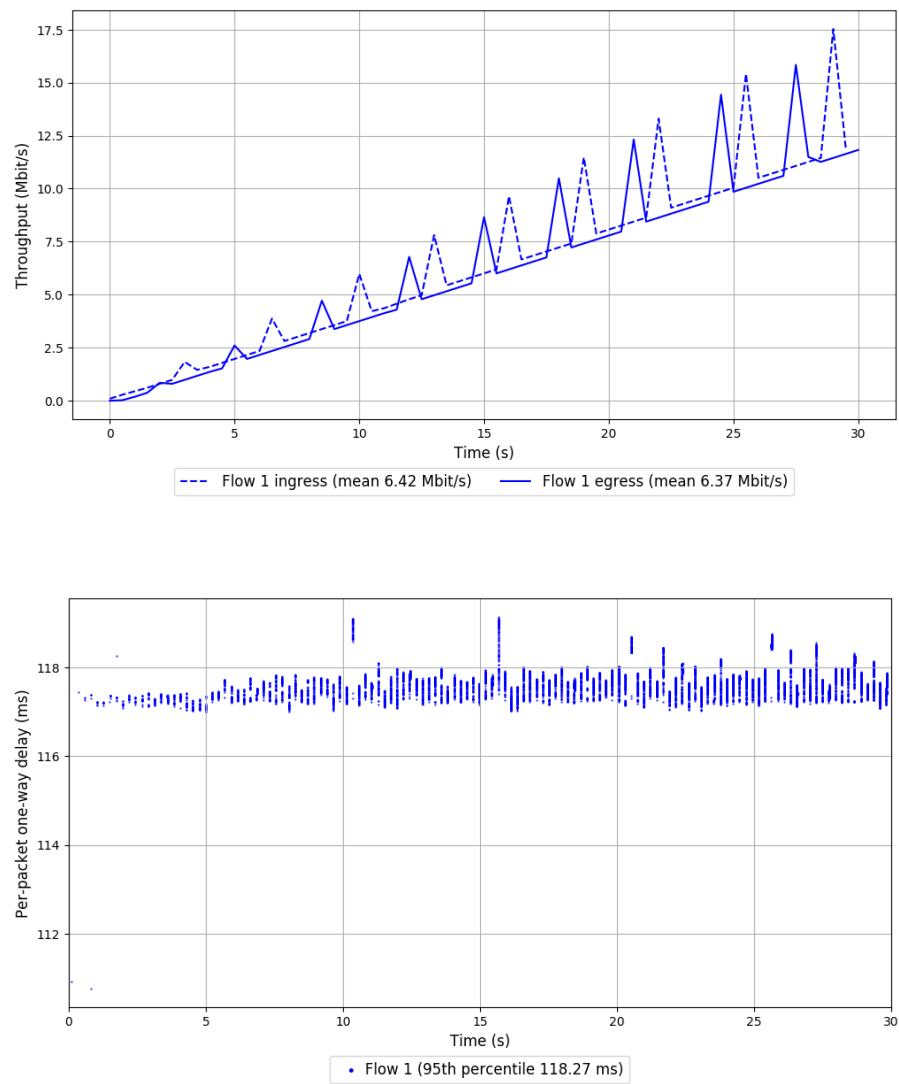


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 12:11:35
End at: 2018-05-24 12:12:05
Local clock offset: 0.215 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-05-24 15:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 118.271 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 118.271 ms
Loss rate: 1.55%

Run 3: Report of LEDBAT — Data Link

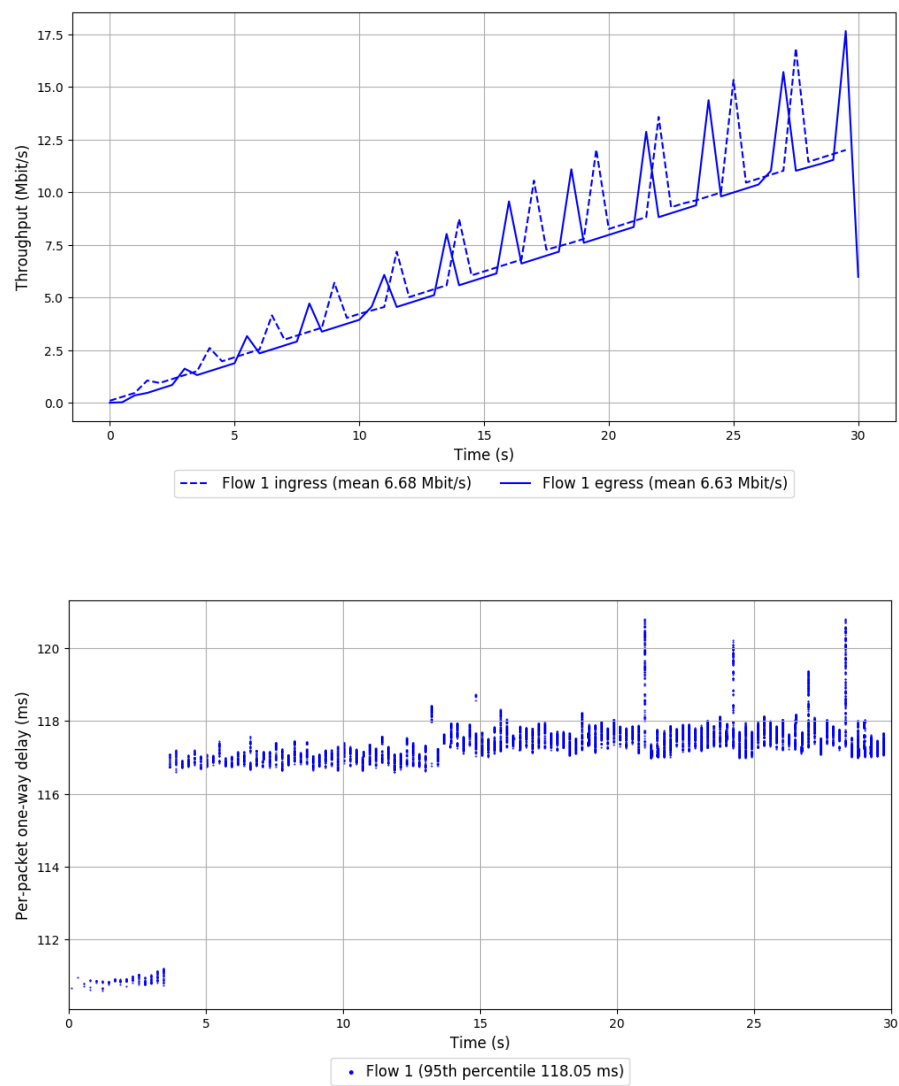


Run 4: Statistics of LEDBAT

Start at: 2018-05-24 12:32:05
End at: 2018-05-24 12:32:35
Local clock offset: 0.101 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-05-24 15:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 118.051 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 118.051 ms
Loss rate: 1.51%

Run 4: Report of LEDBAT — Data Link

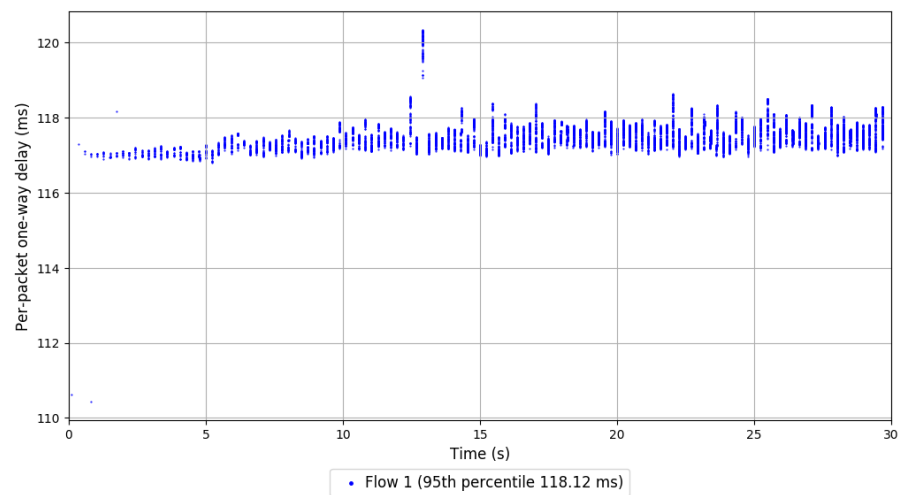
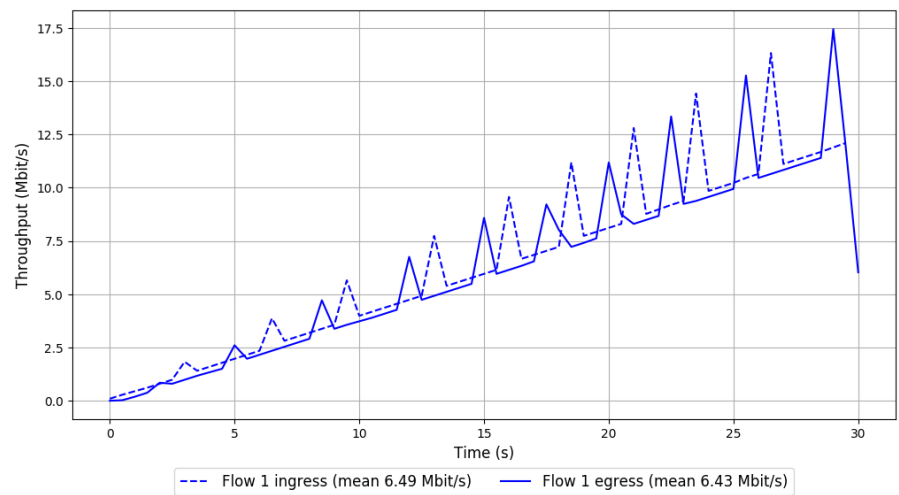


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 12:52:49
End at: 2018-05-24 12:53:19
Local clock offset: 0.041 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-05-24 15:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 118.119 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 118.119 ms
Loss rate: 1.57%

Run 5: Report of LEDBAT — Data Link

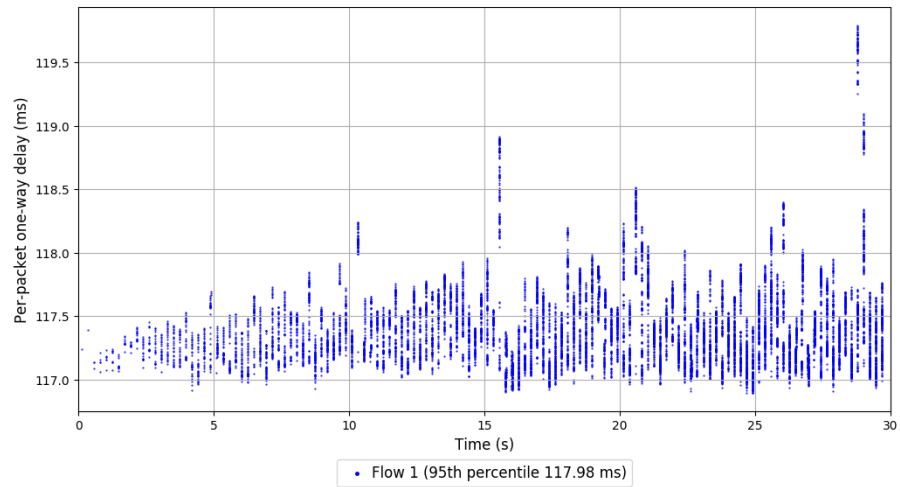
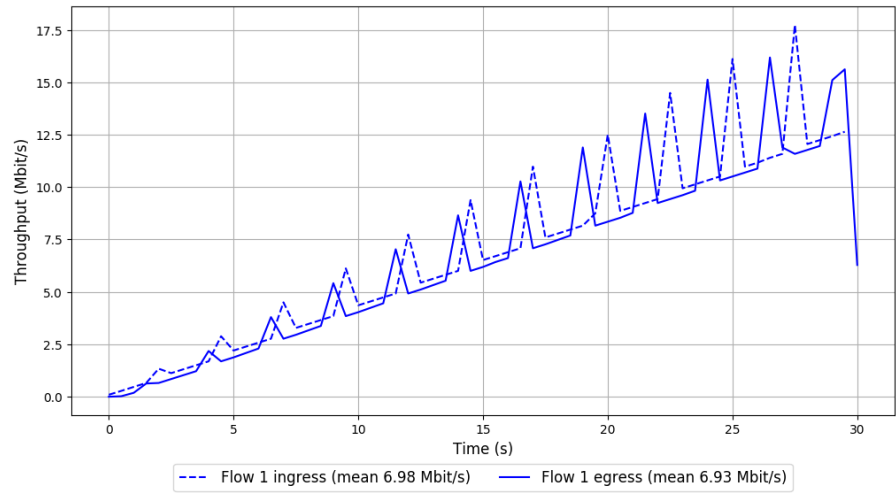


Run 6: Statistics of LEDBAT

Start at: 2018-05-24 13:13:21
End at: 2018-05-24 13:13:51
Local clock offset: 0.172 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-05-24 15:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 117.977 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 117.977 ms
Loss rate: 1.53%

Run 6: Report of LEDBAT — Data Link

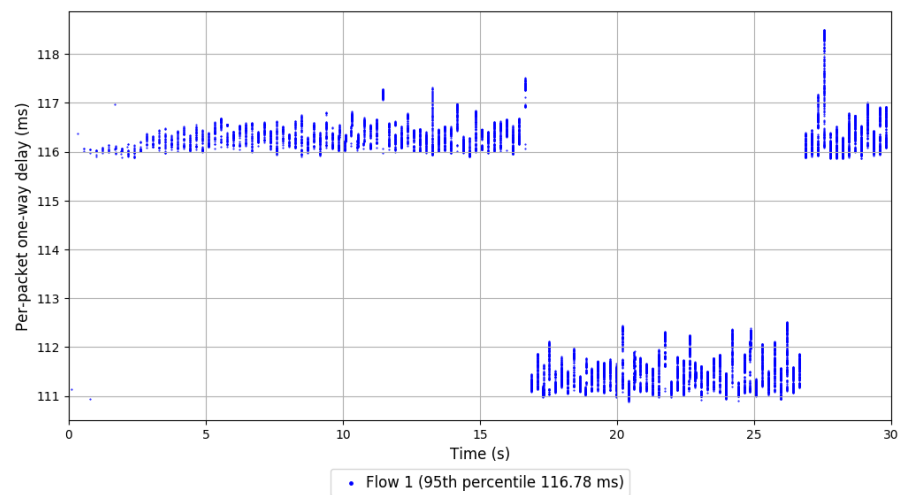
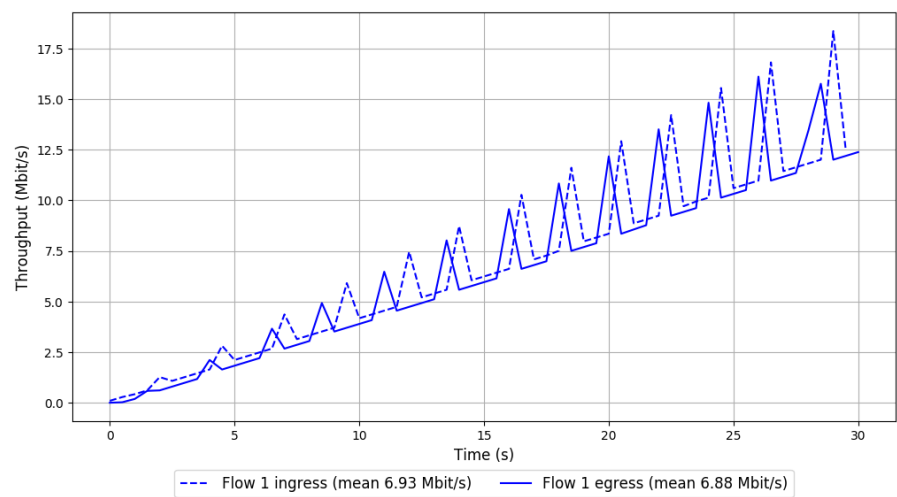


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 13:33:44
End at: 2018-05-24 13:34:14
Local clock offset: 0.216 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-05-24 15:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 116.777 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 116.777 ms
Loss rate: 1.51%

Run 7: Report of LEDBAT — Data Link

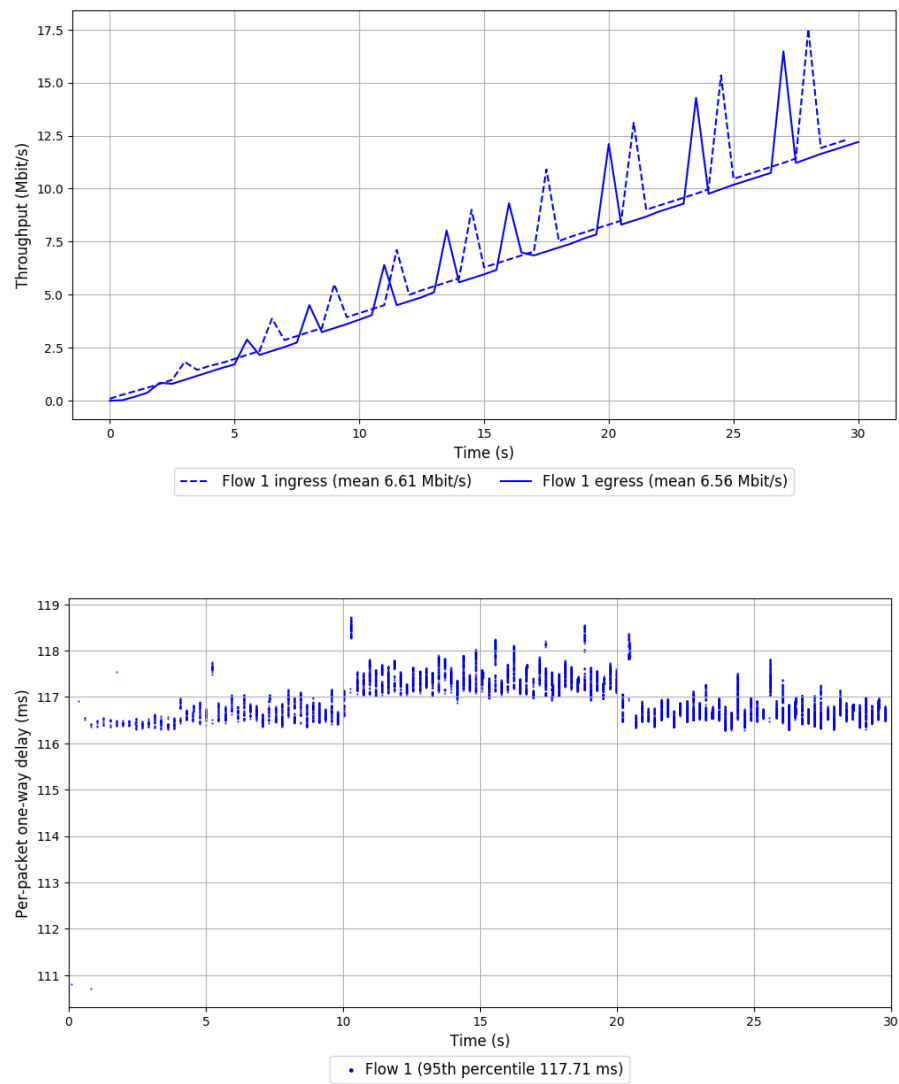


Run 8: Statistics of LEDBAT

Start at: 2018-05-24 13:54:30
End at: 2018-05-24 13:55:00
Local clock offset: -0.069 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-05-24 15:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 117.711 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 117.711 ms
Loss rate: 1.56%

Run 8: Report of LEDBAT — Data Link

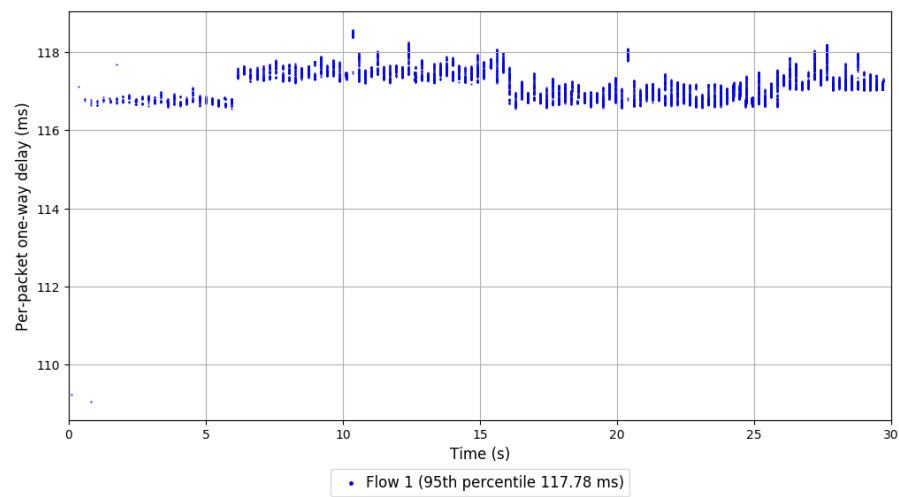
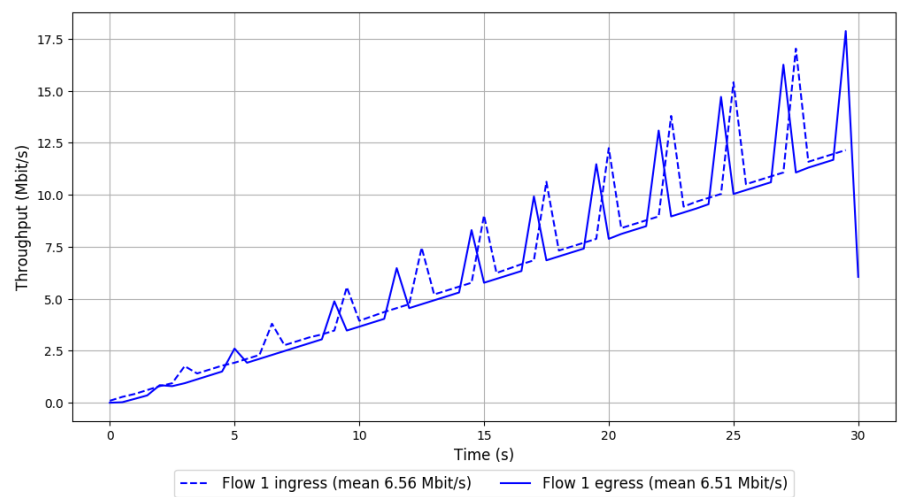


Run 9: Statistics of LEDBAT

Start at: 2018-05-24 14:14:44
End at: 2018-05-24 14:15:14
Local clock offset: -0.169 ms
Remote clock offset: -0.571 ms

Below is generated by plot.py at 2018-05-24 15:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 117.782 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 117.782 ms
Loss rate: 1.56%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-24 14:35:01

End at: 2018-05-24 14:35:31

Local clock offset: 0.25 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.71 Mbit/s

95th percentile per-packet one-way delay: 117.421 ms

Loss rate: 1.55%

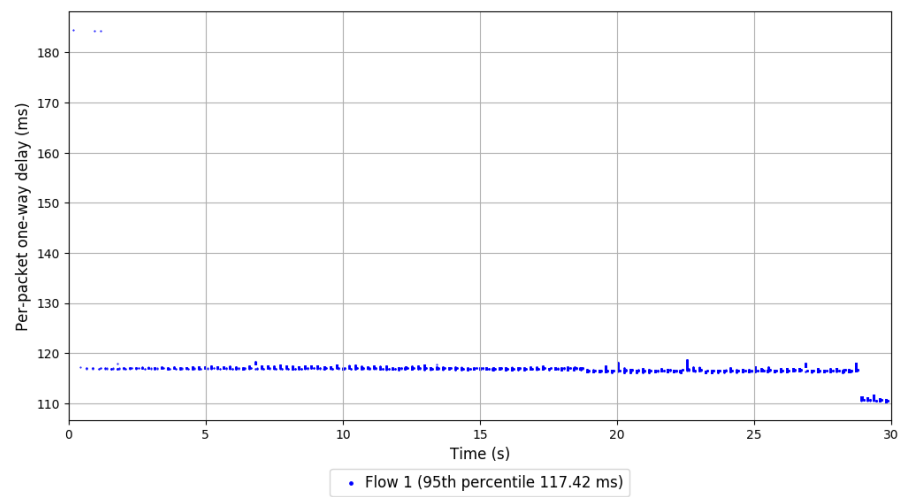
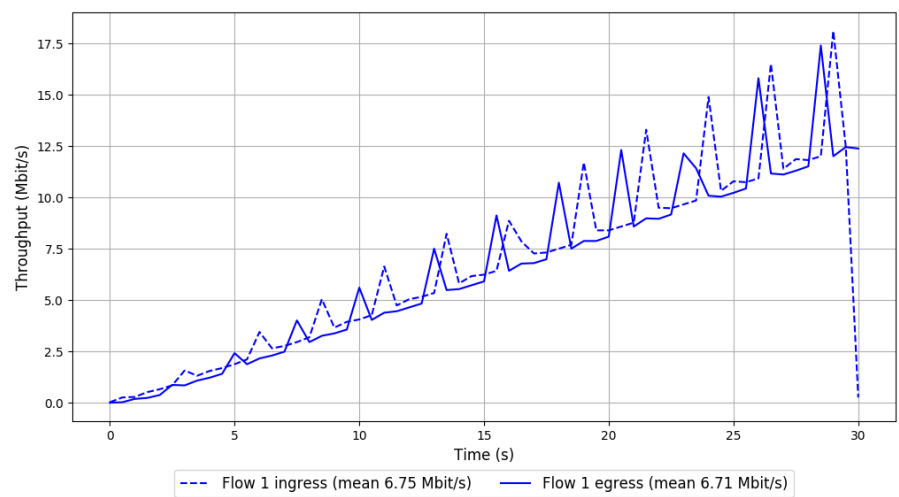
-- Flow 1:

Average throughput: 6.71 Mbit/s

95th percentile per-packet one-way delay: 117.421 ms

Loss rate: 1.55%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 11:20:26

End at: 2018-05-24 11:20:56

Local clock offset: -0.161 ms

Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.08 Mbit/s

95th percentile per-packet one-way delay: 175.444 ms

Loss rate: 1.70%

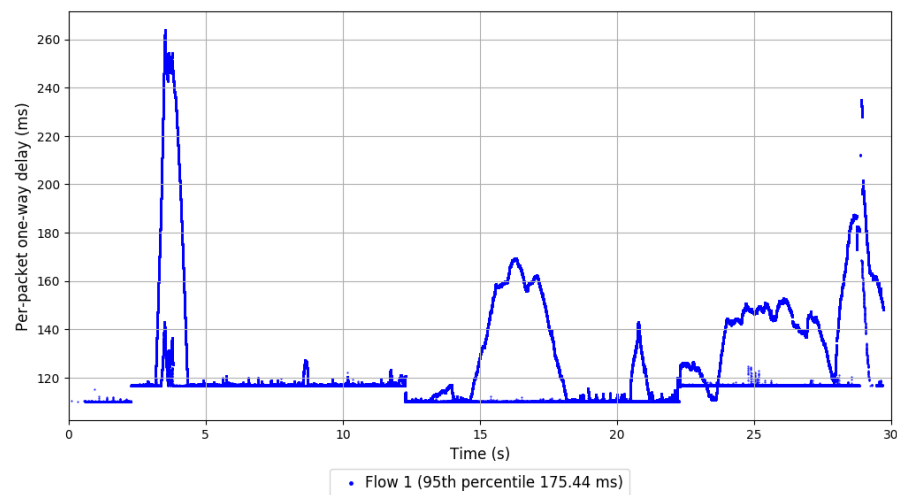
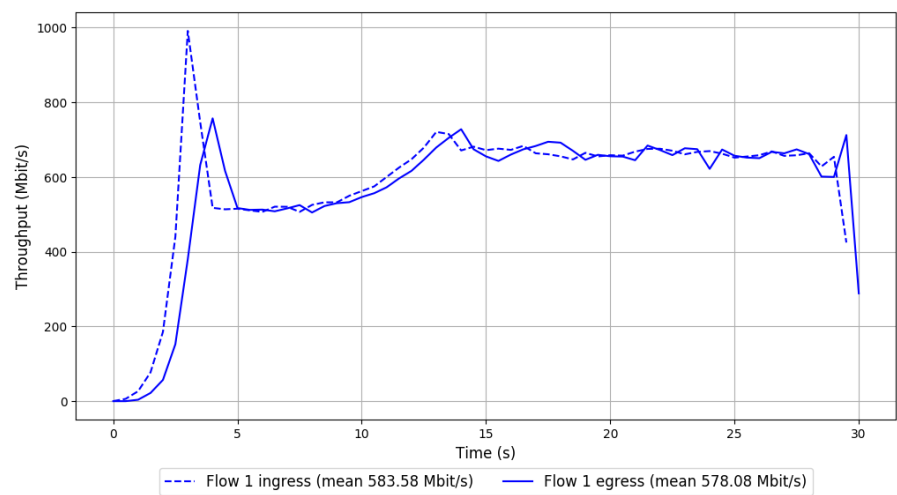
-- Flow 1:

Average throughput: 578.08 Mbit/s

95th percentile per-packet one-way delay: 175.444 ms

Loss rate: 1.70%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 11:41:13

End at: 2018-05-24 11:41:43

Local clock offset: 0.351 ms

Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 549.31 Mbit/s

95th percentile per-packet one-way delay: 224.157 ms

Loss rate: 2.54%

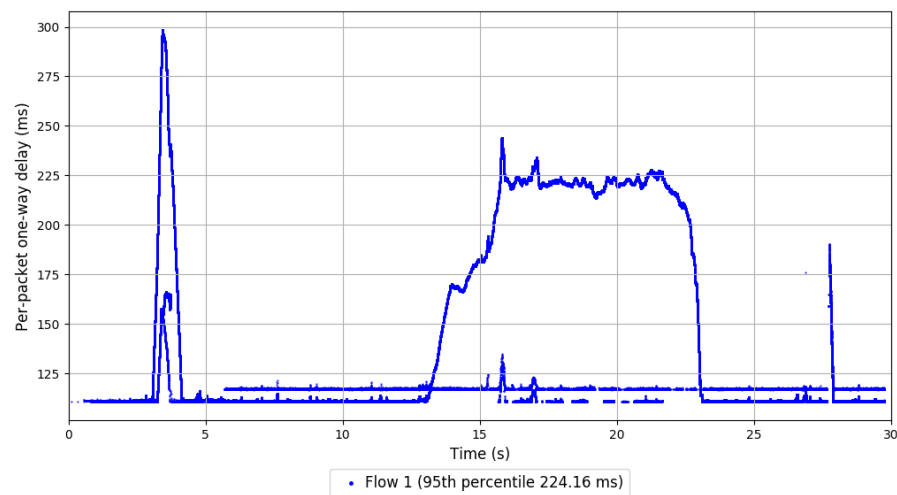
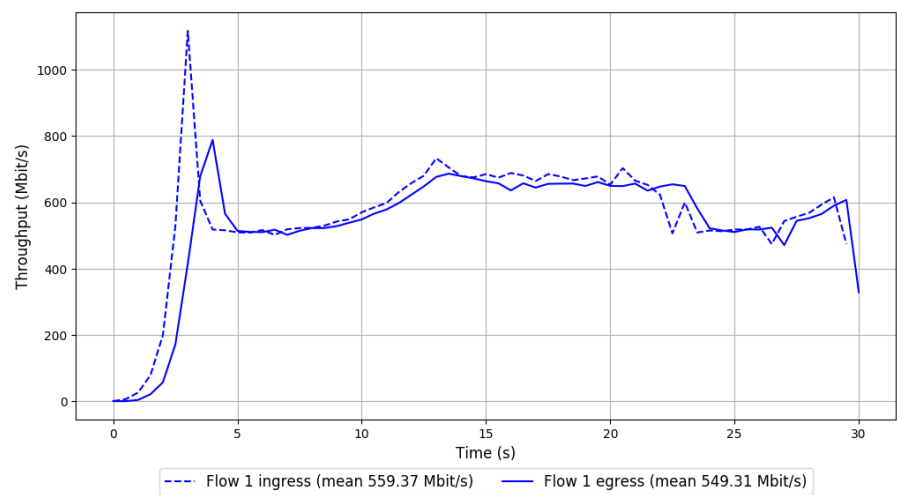
-- Flow 1:

Average throughput: 549.31 Mbit/s

95th percentile per-packet one-way delay: 224.157 ms

Loss rate: 2.54%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 12:01:59

End at: 2018-05-24 12:02:29

Local clock offset: -0.026 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.79 Mbit/s

95th percentile per-packet one-way delay: 234.405 ms

Loss rate: 3.17%

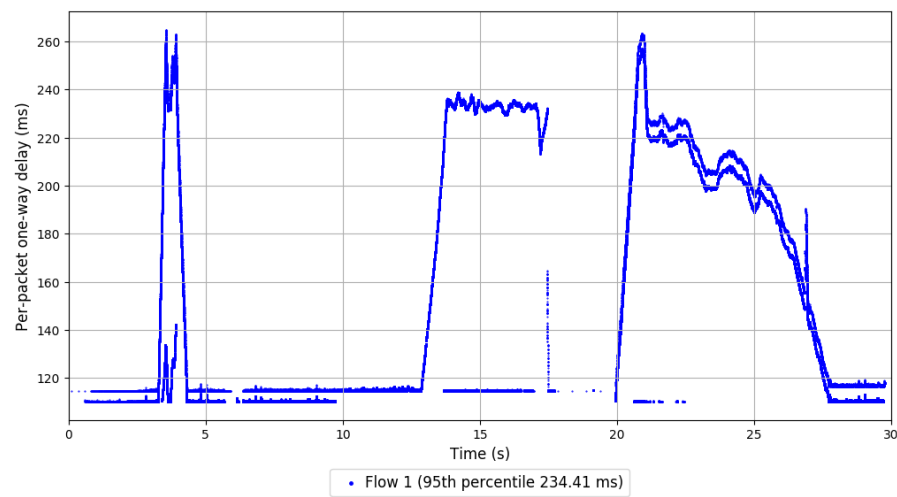
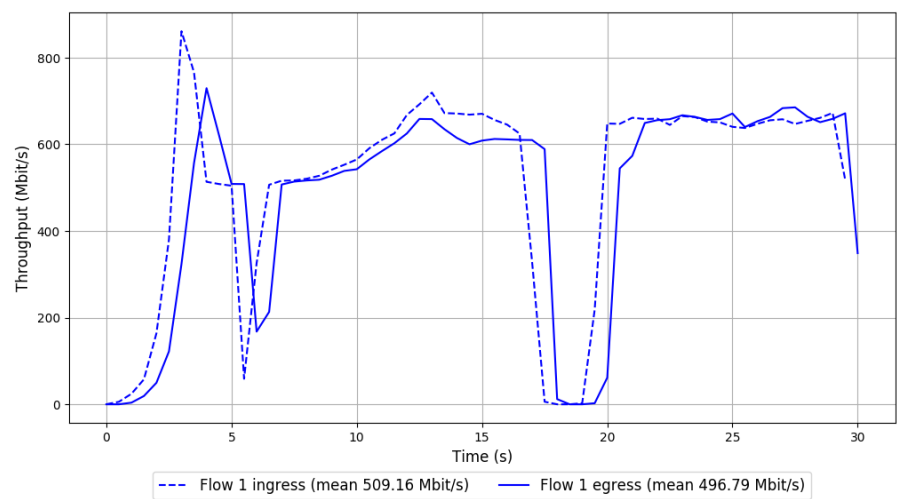
-- Flow 1:

Average throughput: 496.79 Mbit/s

95th percentile per-packet one-way delay: 234.405 ms

Loss rate: 3.17%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 12:22:13

End at: 2018-05-24 12:22:43

Local clock offset: 0.405 ms

Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.81 Mbit/s

95th percentile per-packet one-way delay: 159.436 ms

Loss rate: 1.78%

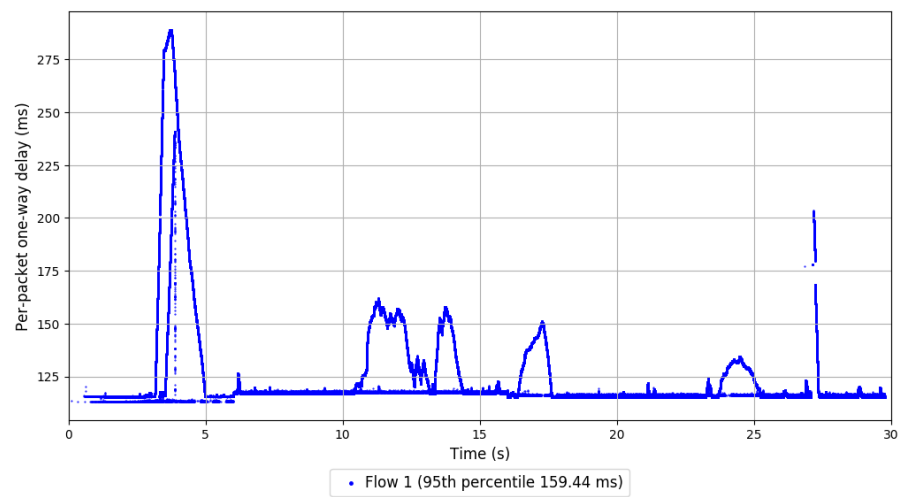
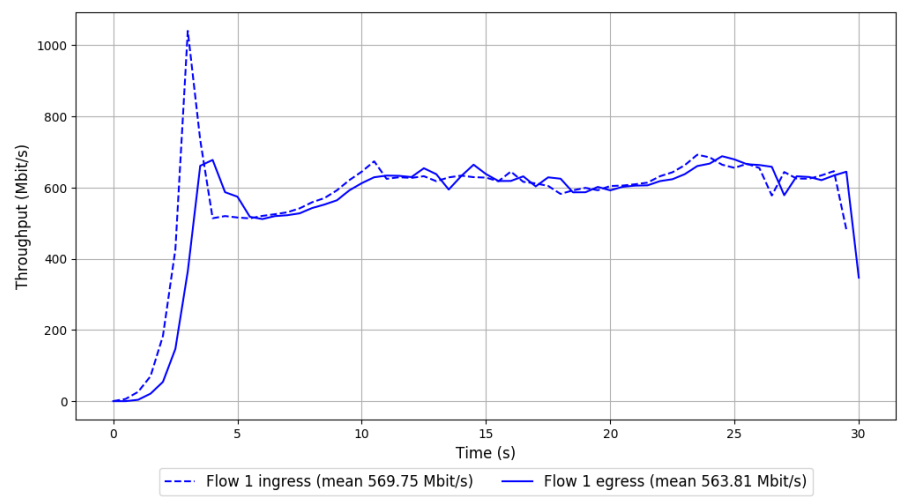
-- Flow 1:

Average throughput: 563.81 Mbit/s

95th percentile per-packet one-way delay: 159.436 ms

Loss rate: 1.78%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 12:43:10

End at: 2018-05-24 12:43:40

Local clock offset: 0.057 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.03 Mbit/s

95th percentile per-packet one-way delay: 225.381 ms

Loss rate: 2.04%

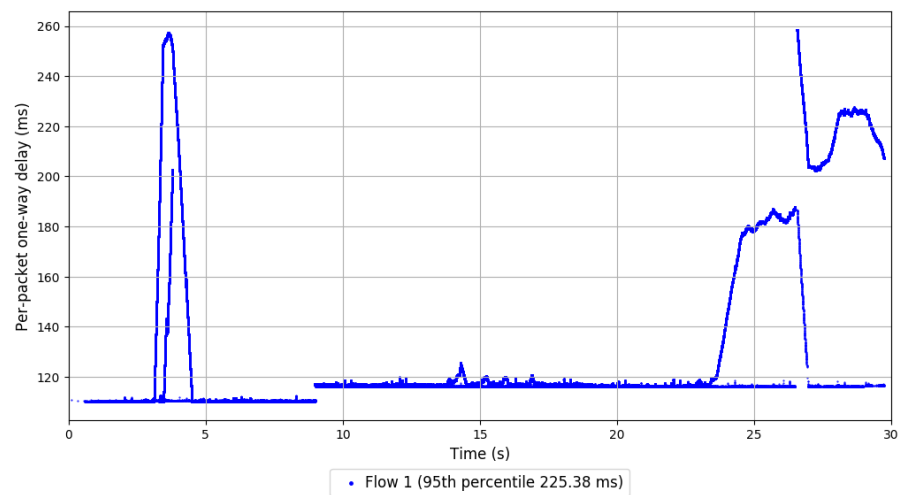
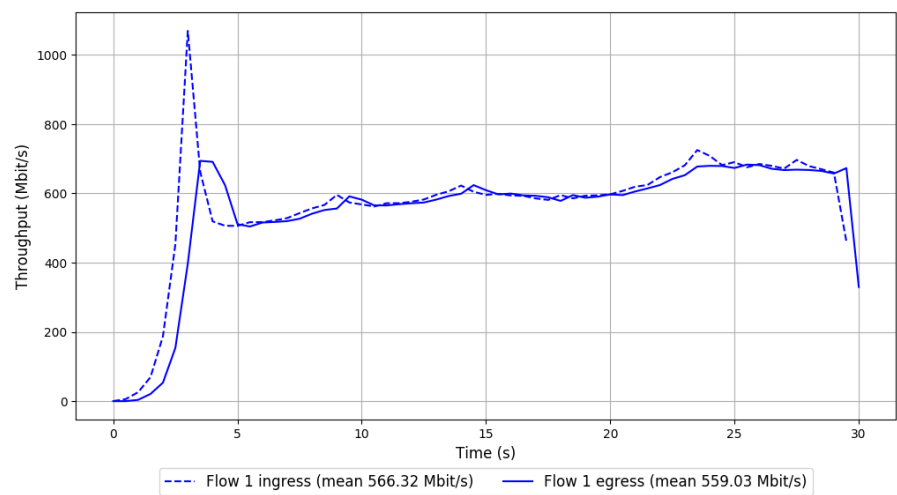
-- Flow 1:

Average throughput: 559.03 Mbit/s

95th percentile per-packet one-way delay: 225.381 ms

Loss rate: 2.04%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 13:03:47

End at: 2018-05-24 13:04:17

Local clock offset: 0.022 ms

Remote clock offset: -0.566 ms

Below is generated by plot.py at 2018-05-24 15:21:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.79 Mbit/s

95th percentile per-packet one-way delay: 185.381 ms

Loss rate: 1.42%

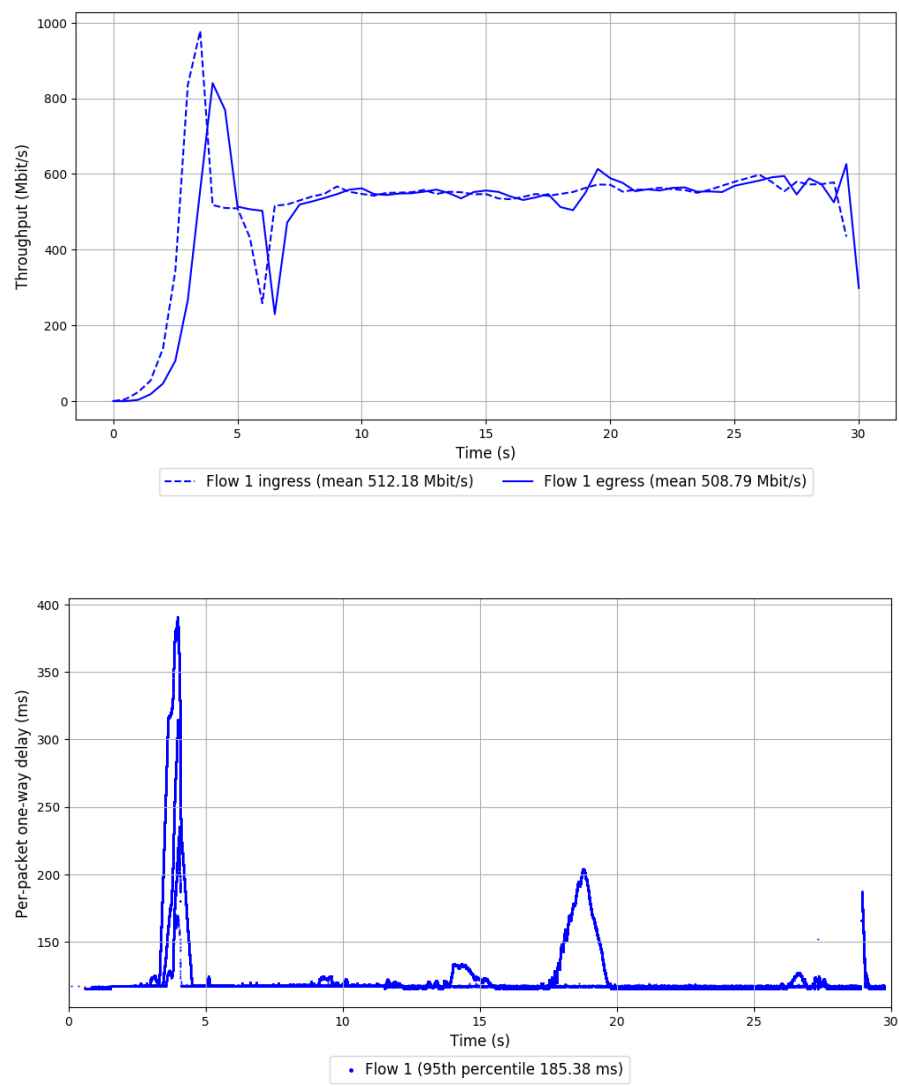
-- Flow 1:

Average throughput: 508.79 Mbit/s

95th percentile per-packet one-way delay: 185.381 ms

Loss rate: 1.42%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 13:24:02

End at: 2018-05-24 13:24:32

Local clock offset: 0.484 ms

Remote clock offset: -0.588 ms

Below is generated by plot.py at 2018-05-24 15:24:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.08 Mbit/s

95th percentile per-packet one-way delay: 250.200 ms

Loss rate: 5.07%

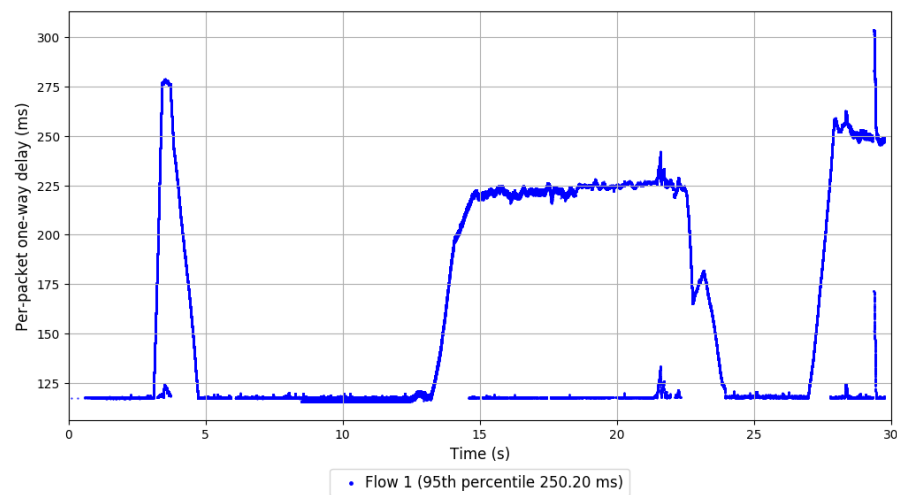
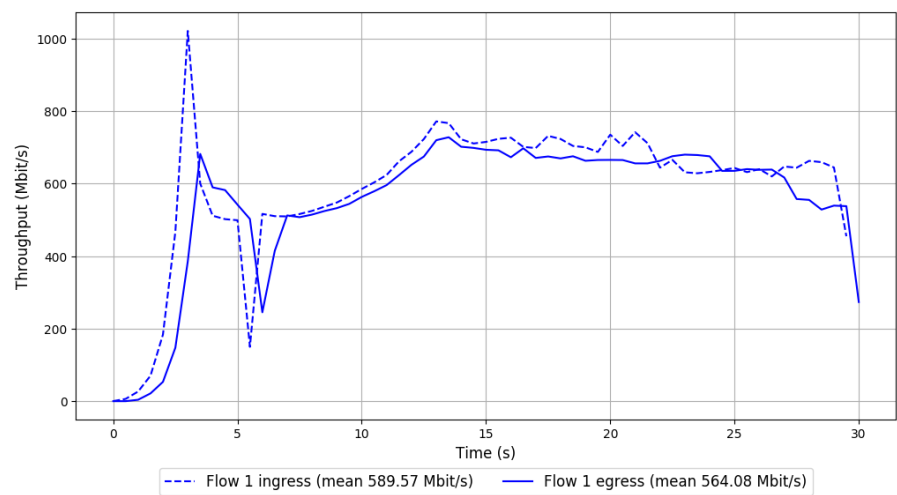
-- Flow 1:

Average throughput: 564.08 Mbit/s

95th percentile per-packet one-way delay: 250.200 ms

Loss rate: 5.07%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 13:44:46

End at: 2018-05-24 13:45:16

Local clock offset: 0.544 ms

Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-05-24 15:26:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 526.77 Mbit/s

95th percentile per-packet one-way delay: 237.226 ms

Loss rate: 2.24%

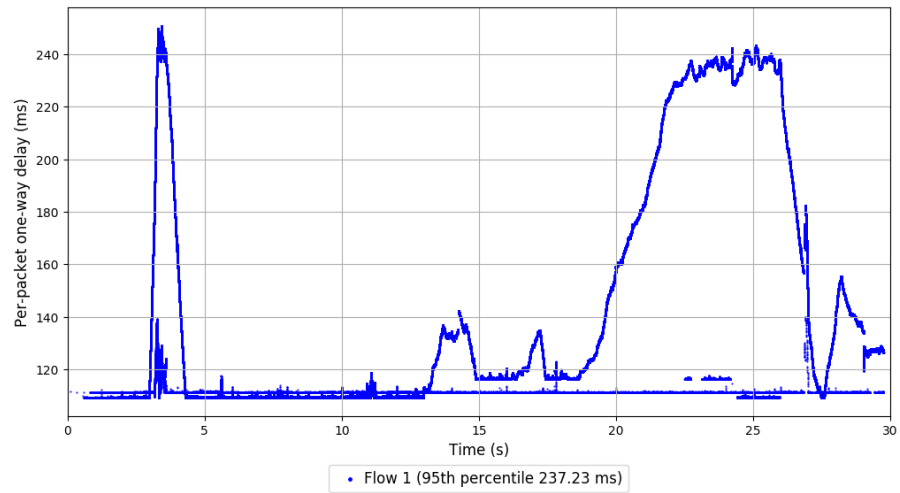
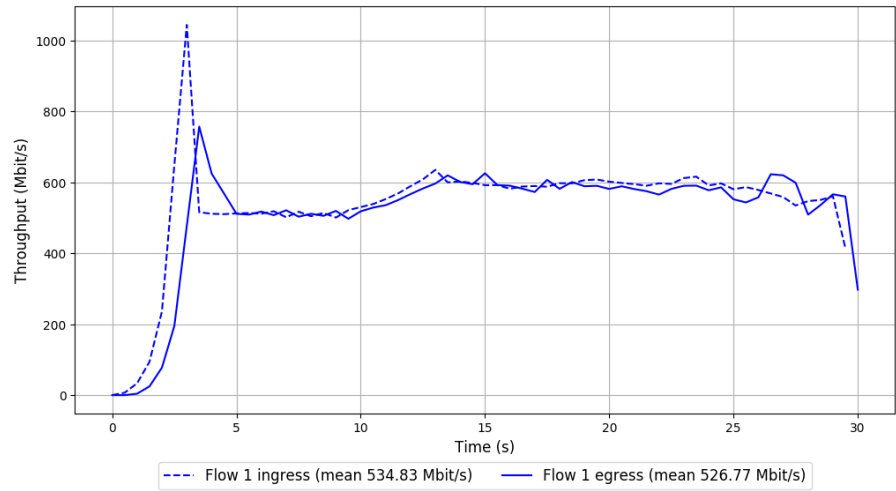
-- Flow 1:

Average throughput: 526.77 Mbit/s

95th percentile per-packet one-way delay: 237.226 ms

Loss rate: 2.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 14:05:11

End at: 2018-05-24 14:05:41

Local clock offset: -0.378 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-05-24 15:27:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.62 Mbit/s

95th percentile per-packet one-way delay: 171.339 ms

Loss rate: 1.82%

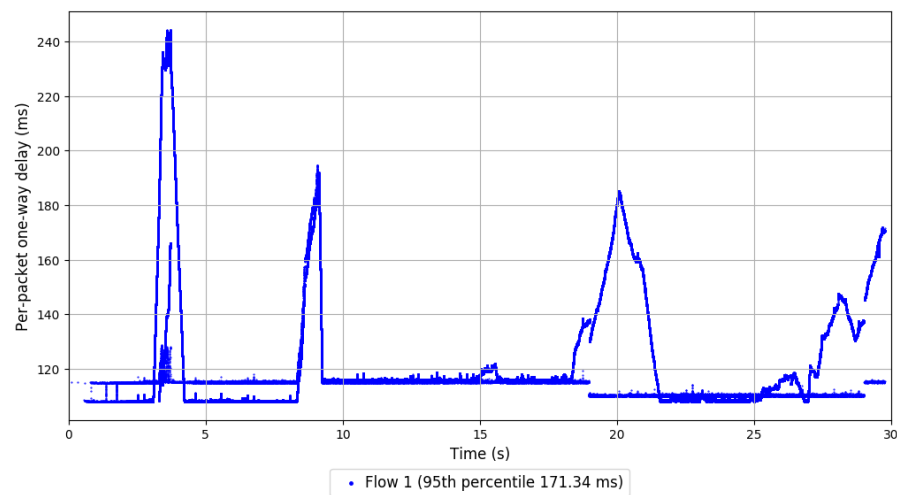
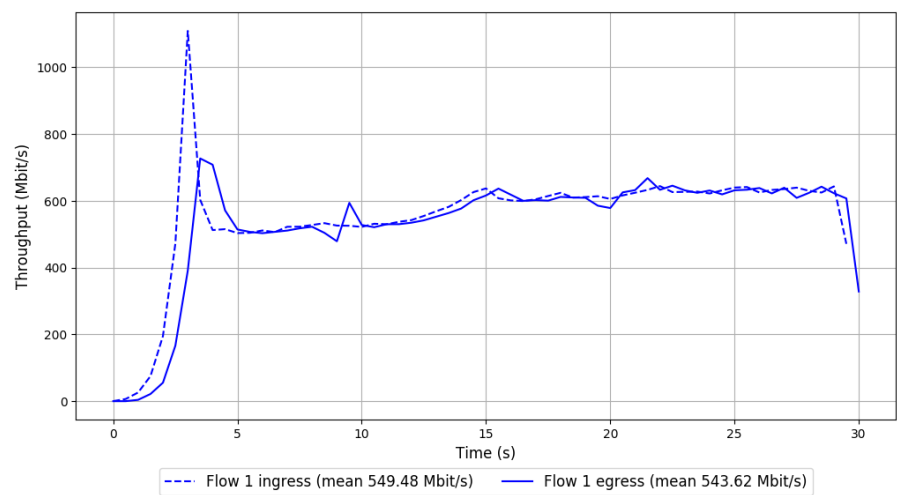
-- Flow 1:

Average throughput: 543.62 Mbit/s

95th percentile per-packet one-way delay: 171.339 ms

Loss rate: 1.82%

Run 9: Report of PCC-Allegro — Data Link

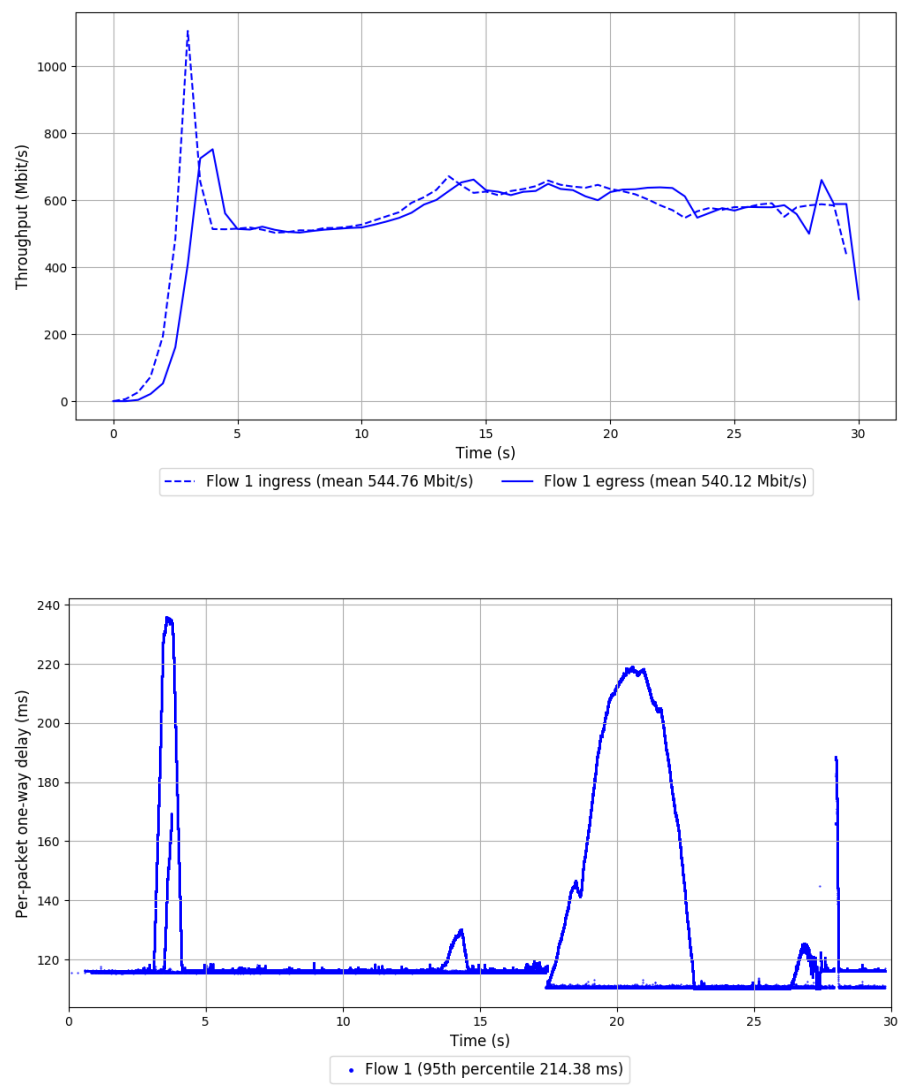


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 14:25:23
End at: 2018-05-24 14:25:53
Local clock offset: -0.289 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-05-24 15:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 540.12 Mbit/s
95th percentile per-packet one-way delay: 214.379 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 540.12 Mbit/s
95th percentile per-packet one-way delay: 214.379 ms
Loss rate: 1.60%

Run 10: Report of PCC-Allegro — Data Link

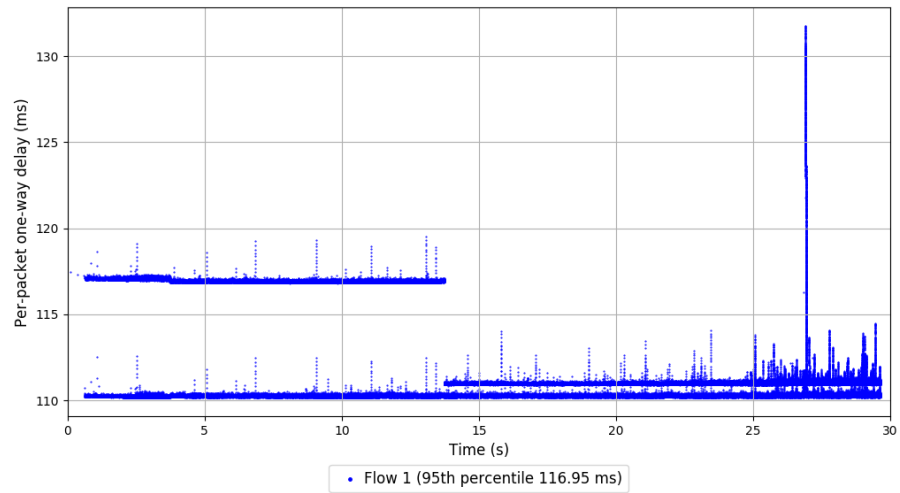
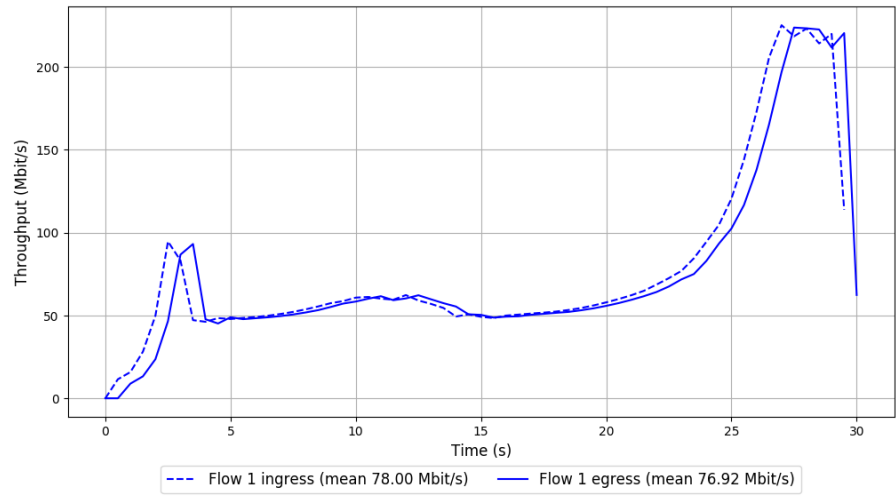


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 11:14:35
End at: 2018-05-24 11:15:05
Local clock offset: 0.017 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-05-24 15:27:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 116.949 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 116.949 ms
Loss rate: 2.16%
```

Run 1: Report of PCC-Expr — Data Link

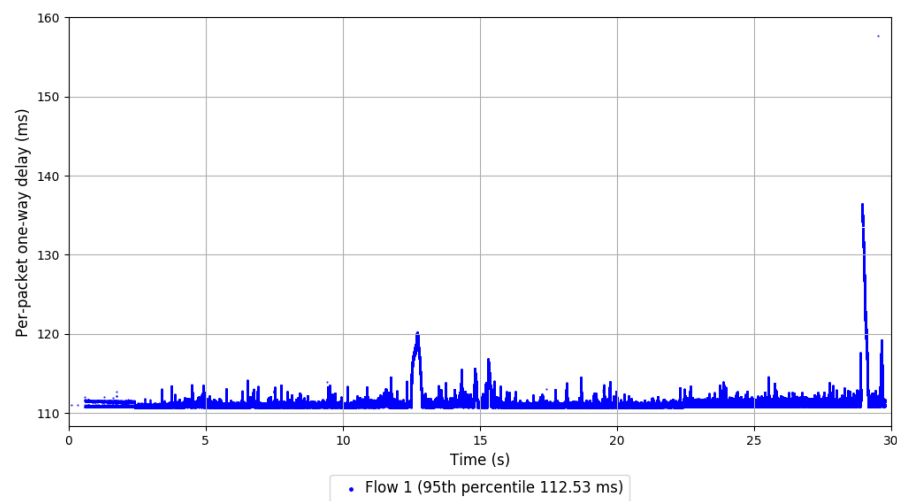
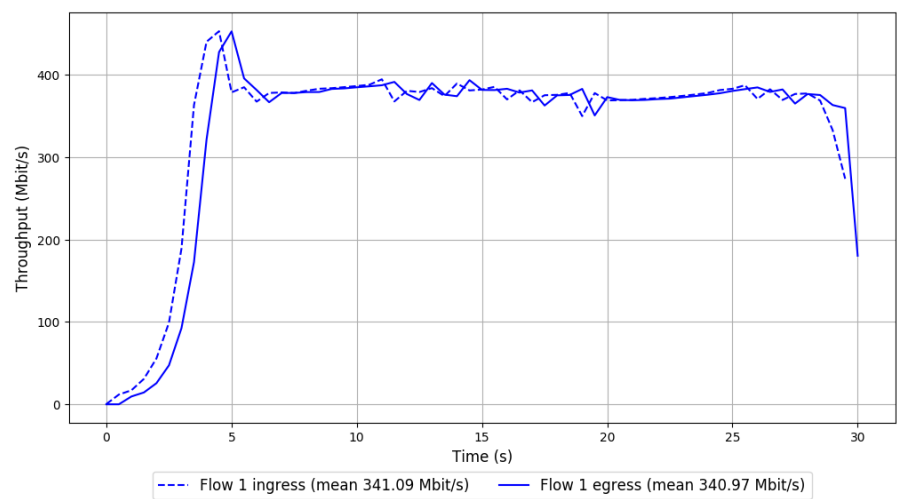


Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 11:34:46
End at: 2018-05-24 11:35:16
Local clock offset: 0.076 ms
Remote clock offset: -0.576 ms

Below is generated by plot.py at 2018-05-24 15:29:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.97 Mbit/s
95th percentile per-packet one-way delay: 112.533 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 340.97 Mbit/s
95th percentile per-packet one-way delay: 112.533 ms
Loss rate: 0.78%

Run 2: Report of PCC-Expr — Data Link

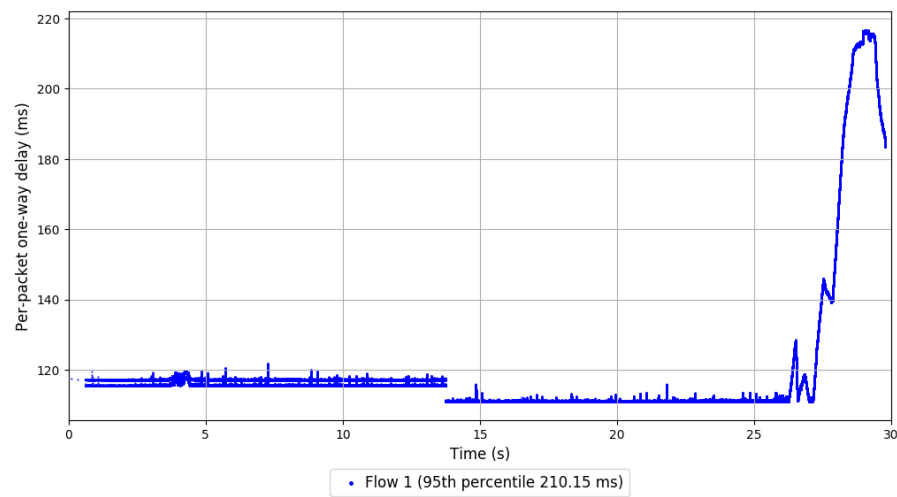
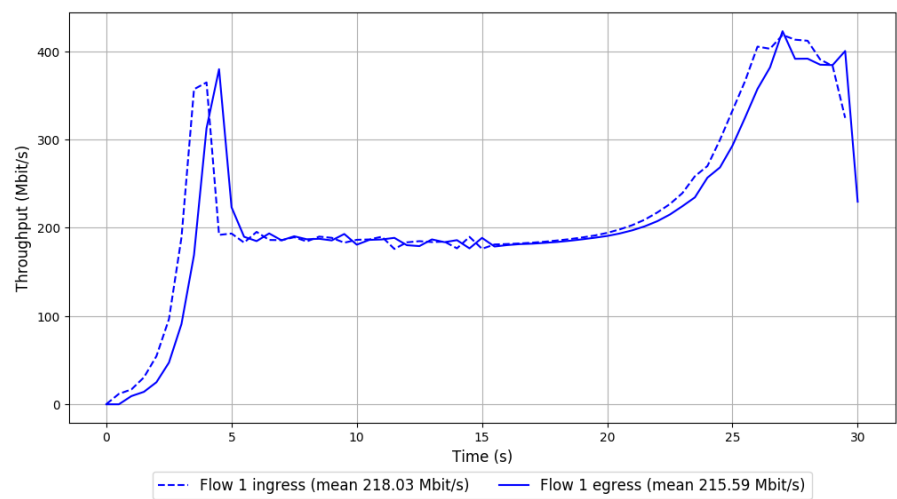


Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 11:55:35
End at: 2018-05-24 11:56:05
Local clock offset: -0.053 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-05-24 15:29:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.59 Mbit/s
95th percentile per-packet one-way delay: 210.148 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 215.59 Mbit/s
95th percentile per-packet one-way delay: 210.148 ms
Loss rate: 1.89%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 12:16:15

End at: 2018-05-24 12:16:45

Local clock offset: 0.111 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-05-24 15:29:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.31 Mbit/s

95th percentile per-packet one-way delay: 115.275 ms

Loss rate: 0.73%

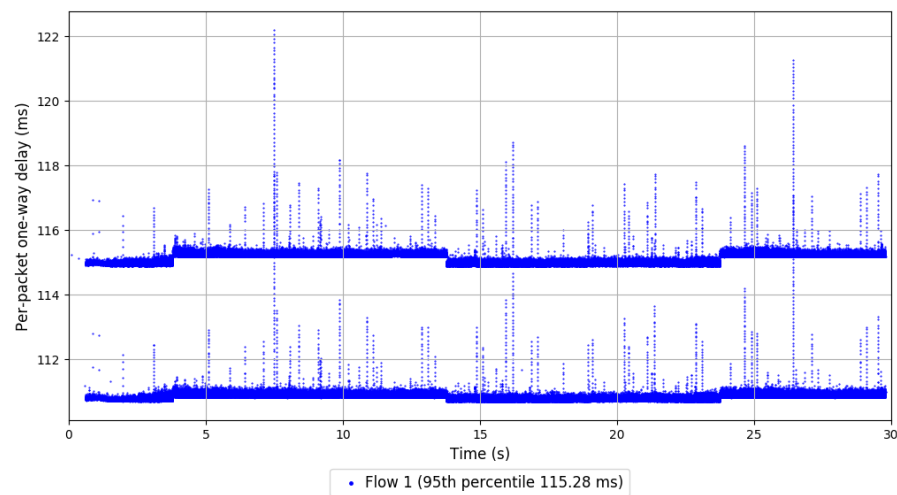
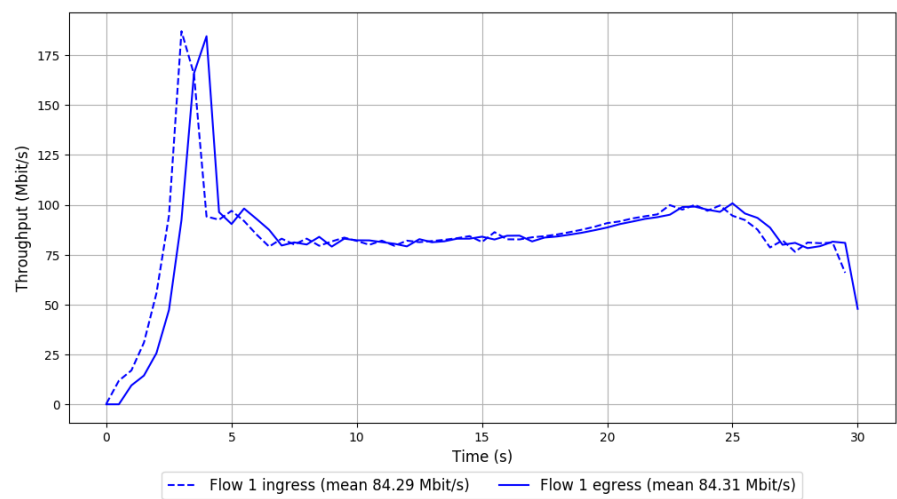
-- Flow 1:

Average throughput: 84.31 Mbit/s

95th percentile per-packet one-way delay: 115.275 ms

Loss rate: 0.73%

Run 4: Report of PCC-Expr — Data Link

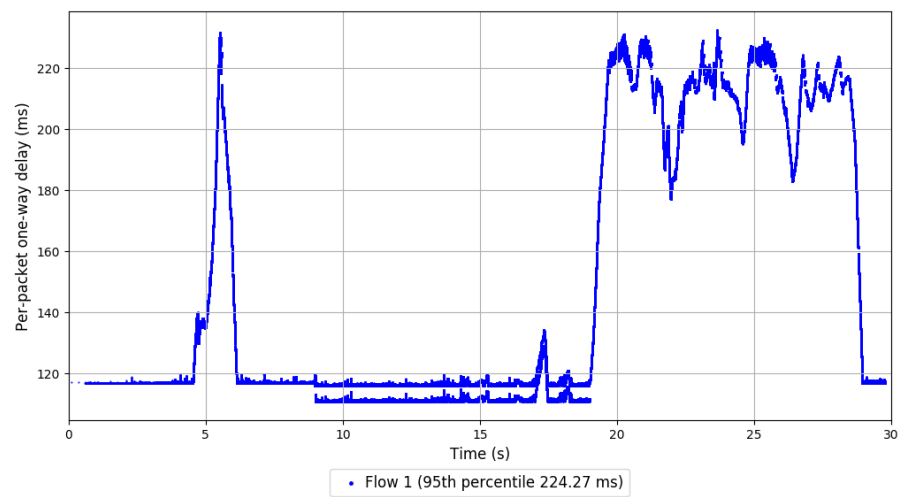
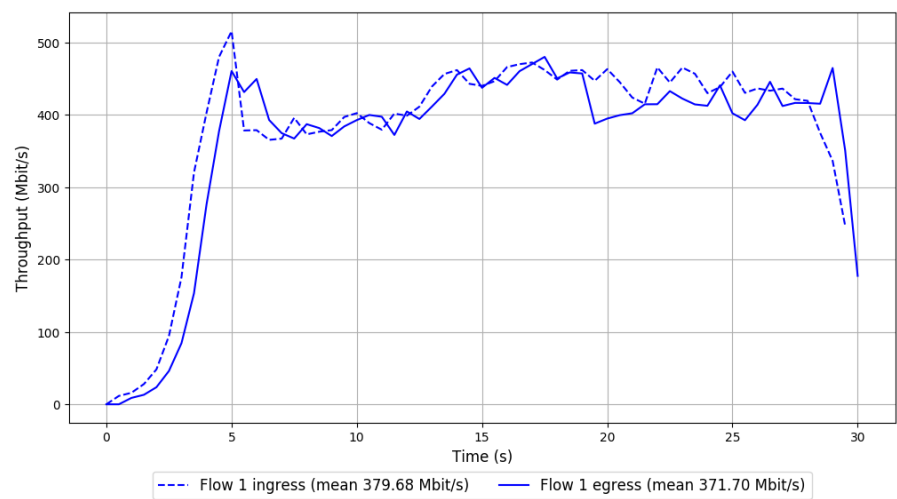


Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 12:36:50
End at: 2018-05-24 12:37:20
Local clock offset: 0.173 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.70 Mbit/s
95th percentile per-packet one-way delay: 224.273 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 371.70 Mbit/s
95th percentile per-packet one-way delay: 224.273 ms
Loss rate: 2.86%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-24 12:57:35

End at: 2018-05-24 12:58:05

Local clock offset: -0.057 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.90 Mbit/s

95th percentile per-packet one-way delay: 116.627 ms

Loss rate: 1.05%

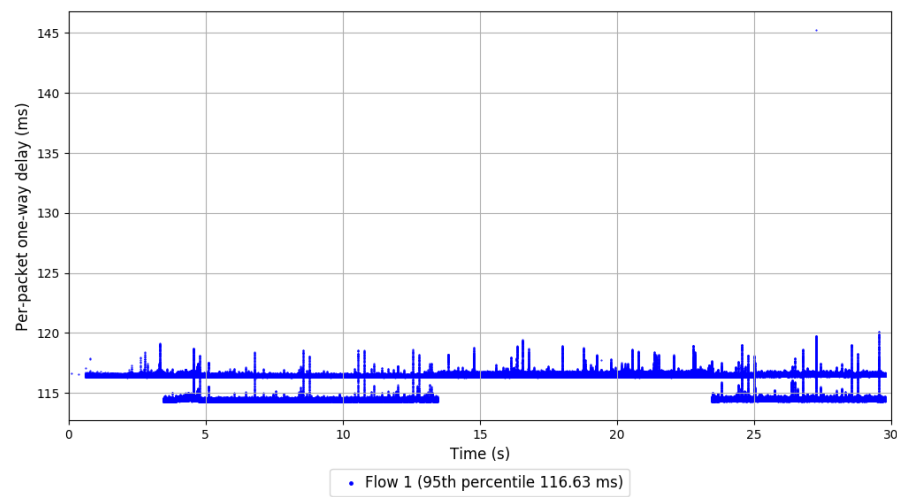
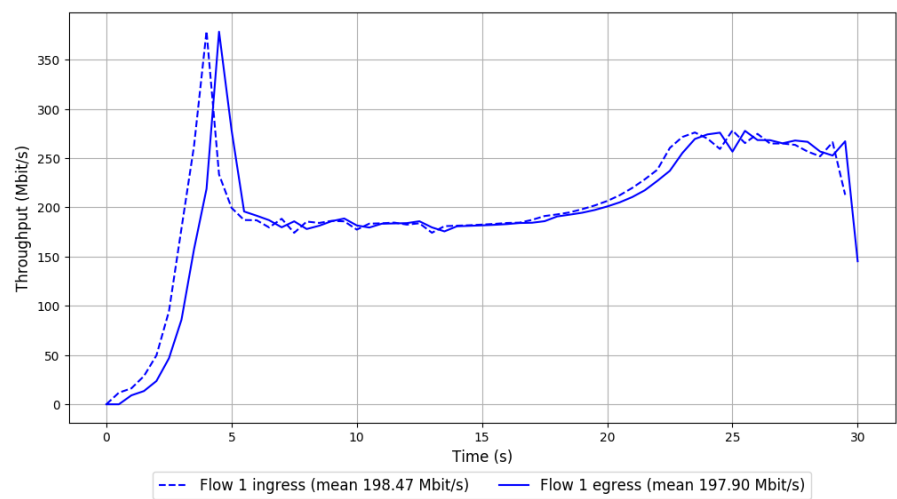
-- Flow 1:

Average throughput: 197.90 Mbit/s

95th percentile per-packet one-way delay: 116.627 ms

Loss rate: 1.05%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-24 13:18:10

End at: 2018-05-24 13:18:40

Local clock offset: -0.191 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.89 Mbit/s

95th percentile per-packet one-way delay: 139.376 ms

Loss rate: 0.91%

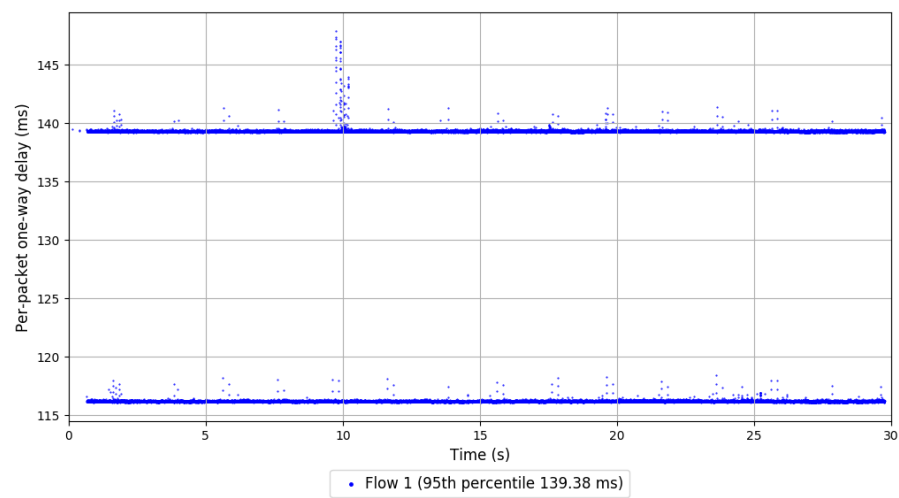
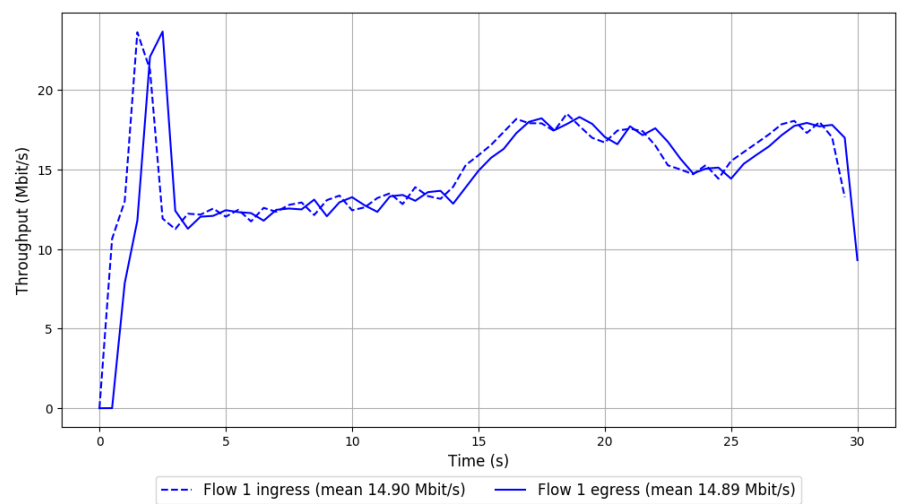
-- Flow 1:

Average throughput: 14.89 Mbit/s

95th percentile per-packet one-way delay: 139.376 ms

Loss rate: 0.91%

Run 7: Report of PCC-Expr — Data Link

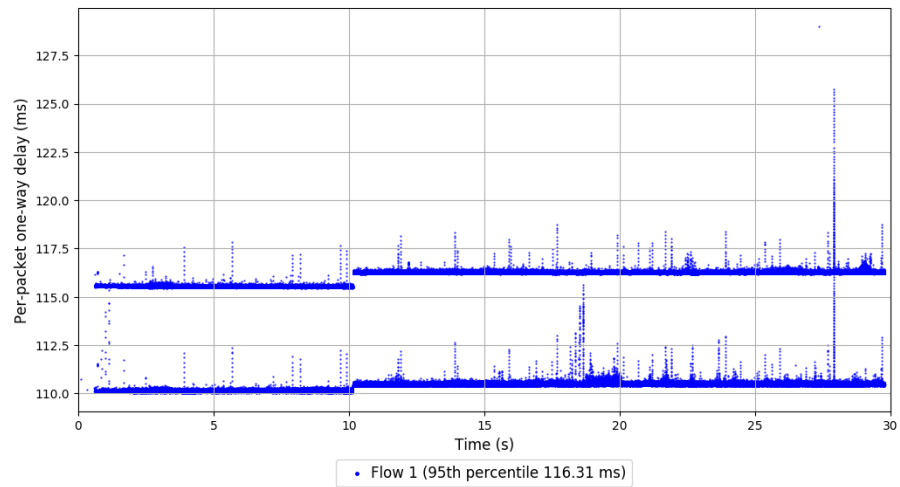
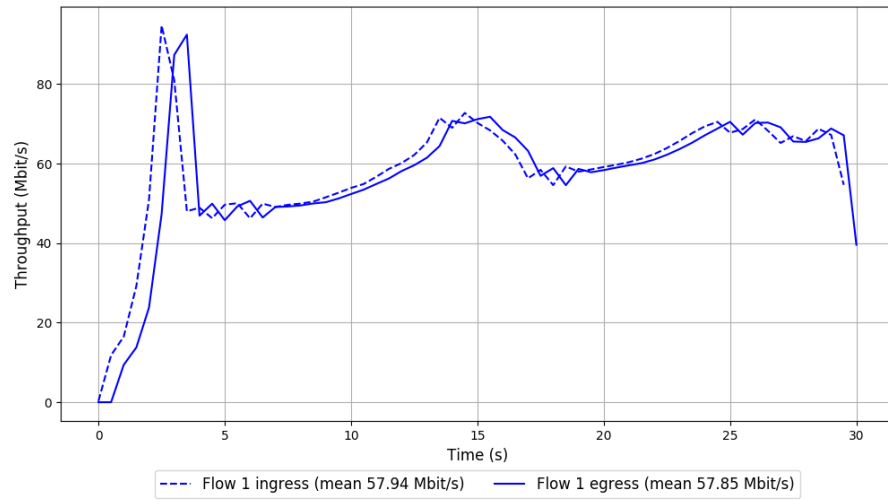


Run 8: Statistics of PCC-Expr

Start at: 2018-05-24 13:38:40
End at: 2018-05-24 13:39:10
Local clock offset: -0.13 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 116.314 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 116.314 ms
Loss rate: 0.88%

Run 8: Report of PCC-Expr — Data Link

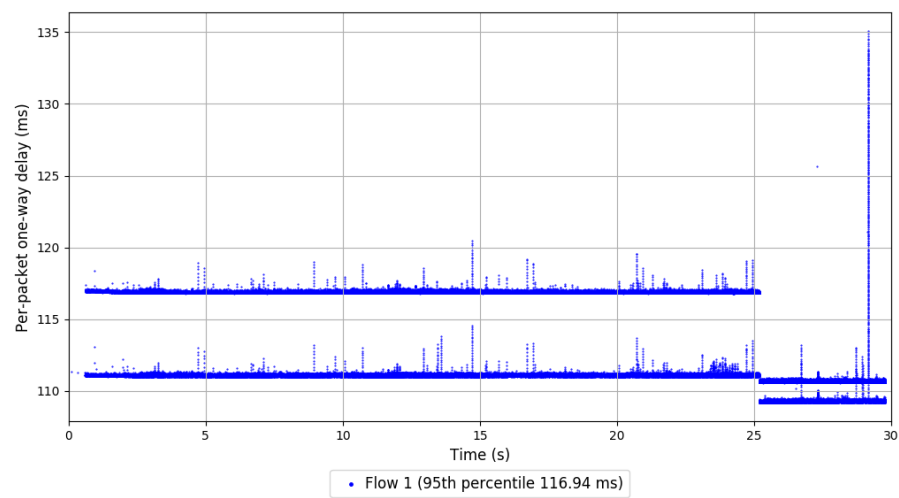
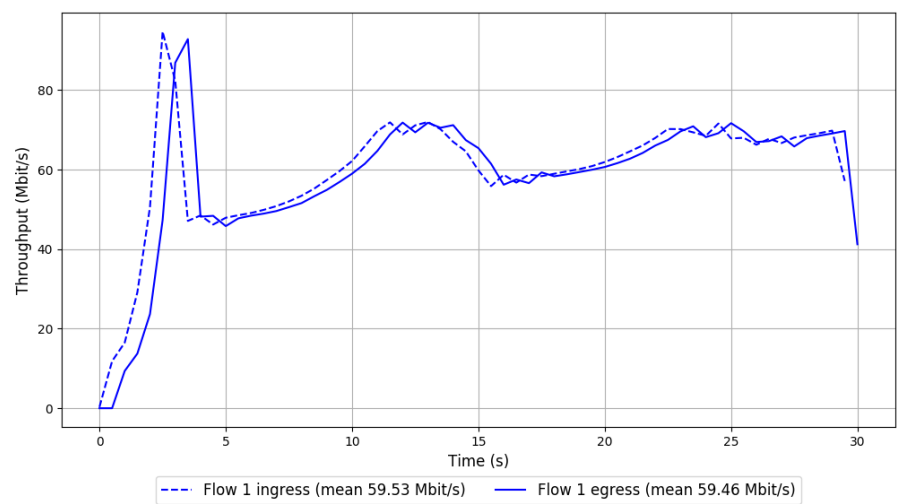


Run 9: Statistics of PCC-Expr

Start at: 2018-05-24 13:59:15
End at: 2018-05-24 13:59:45
Local clock offset: 0.5 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 116.937 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 116.937 ms
Loss rate: 0.87%

Run 9: Report of PCC-Expr — Data Link

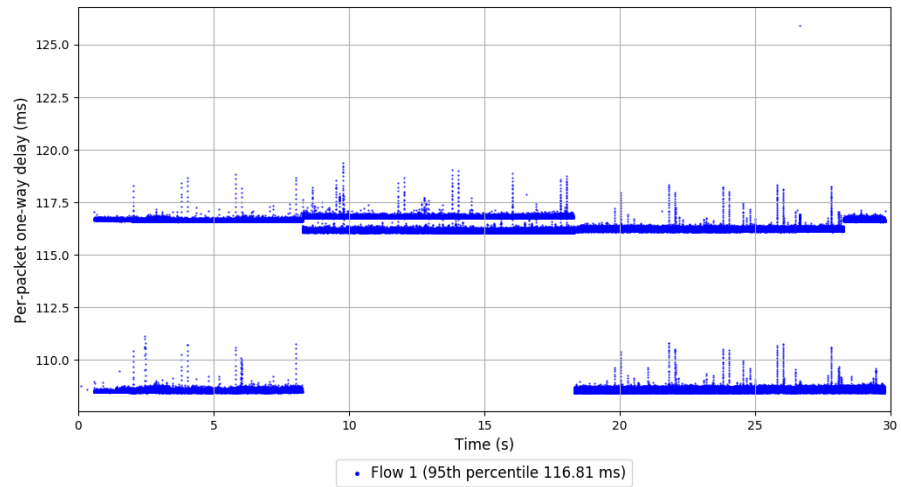
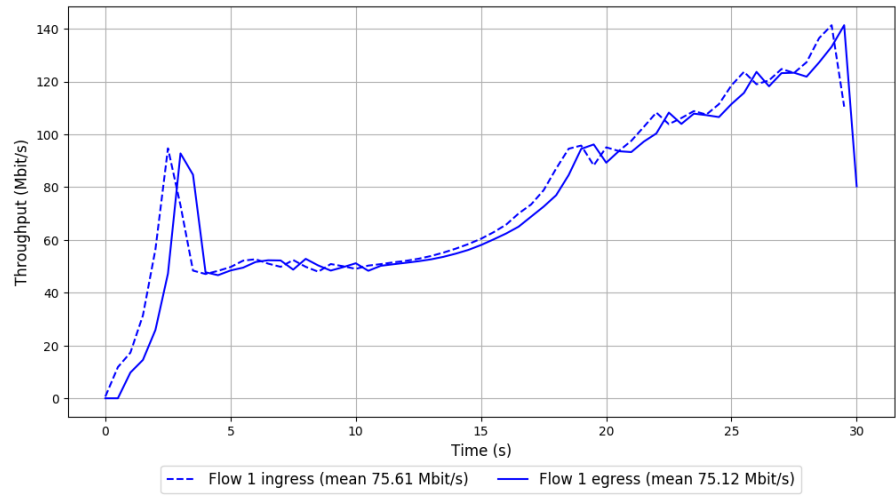


Run 10: Statistics of PCC-Expr

Start at: 2018-05-24 14:19:32
End at: 2018-05-24 14:20:02
Local clock offset: -0.221 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 116.809 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 116.809 ms
Loss rate: 1.39%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

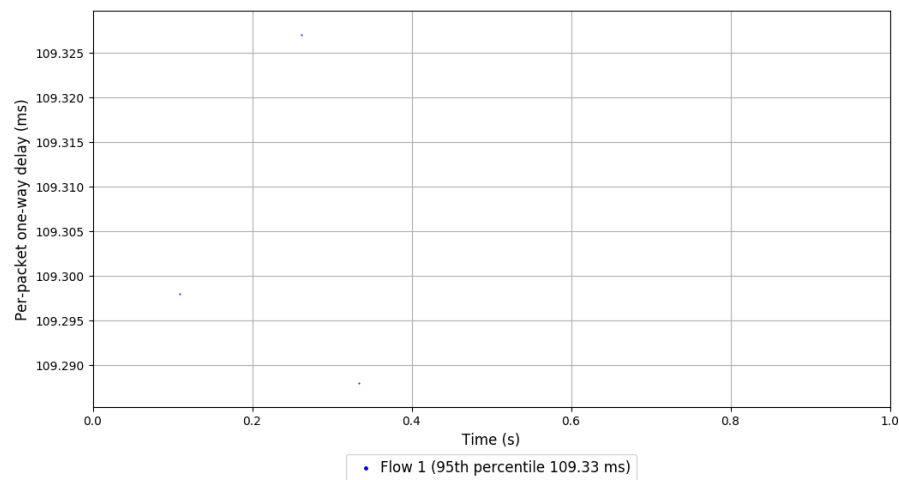
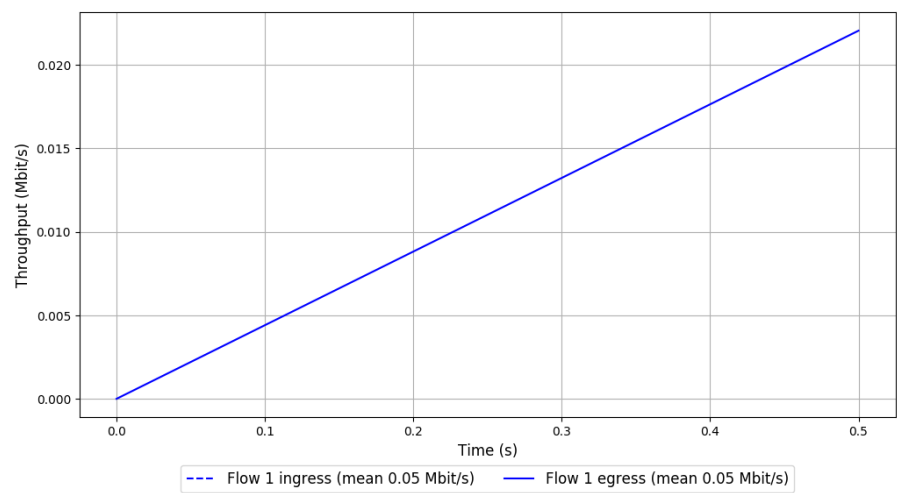
Start at: 2018-05-24 11:15:50

End at: 2018-05-24 11:16:20

Local clock offset: 0.09 ms

Remote clock offset: -0.584 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 11:36:26

End at: 2018-05-24 11:36:56

Local clock offset: 0.264 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.26 Mbit/s

95th percentile per-packet one-way delay: 109.921 ms

Loss rate: 1.04%

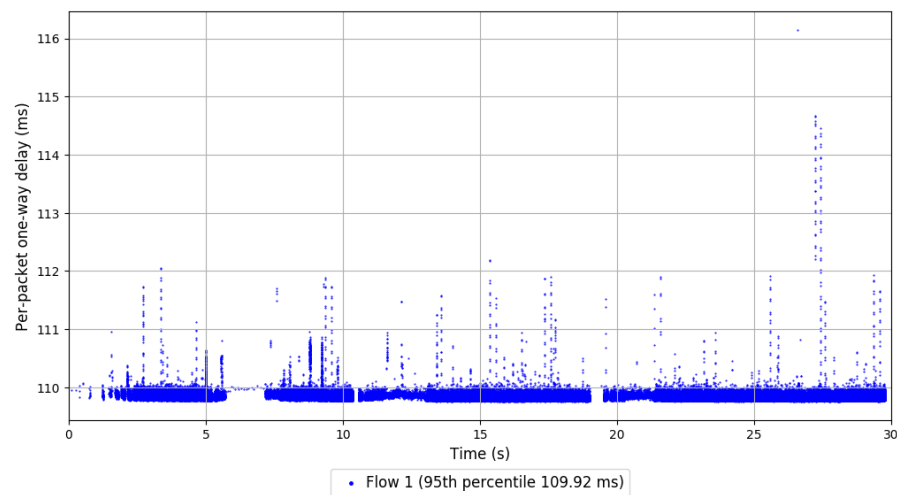
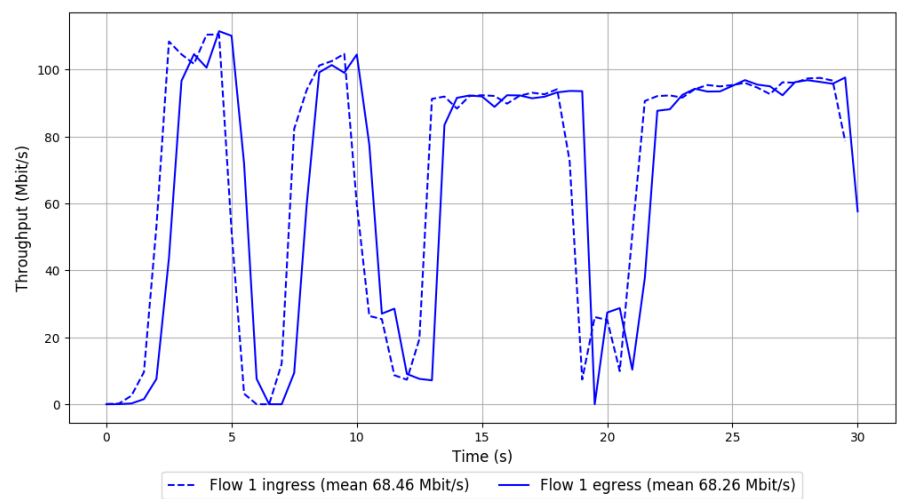
-- Flow 1:

Average throughput: 68.26 Mbit/s

95th percentile per-packet one-way delay: 109.921 ms

Loss rate: 1.04%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 11:57:03

End at: 2018-05-24 11:57:33

Local clock offset: 0.105 ms

Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.25 Mbit/s

95th percentile per-packet one-way delay: 117.263 ms

Loss rate: 0.99%

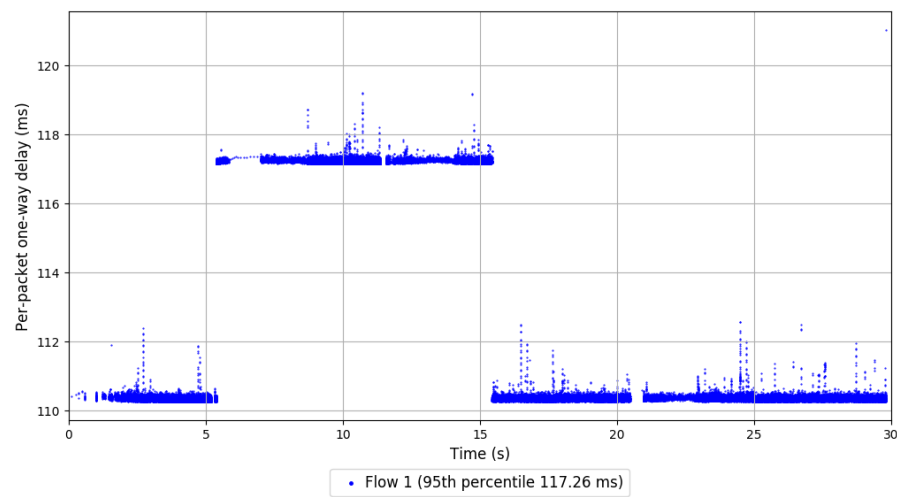
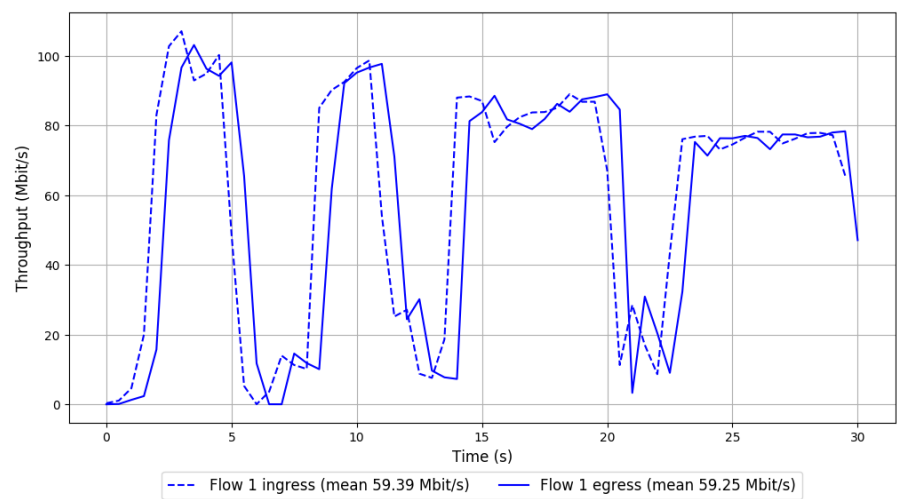
-- Flow 1:

Average throughput: 59.25 Mbit/s

95th percentile per-packet one-way delay: 117.263 ms

Loss rate: 0.99%

Run 3: Report of QUIC Cubic — Data Link

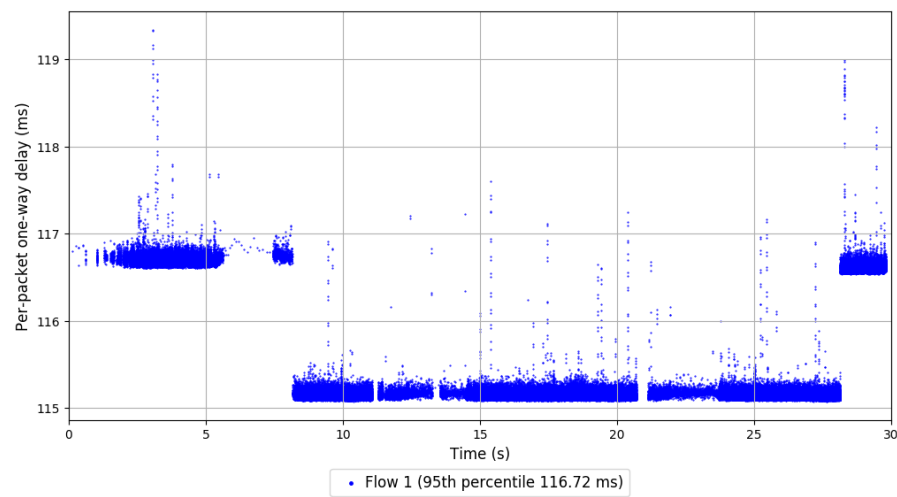
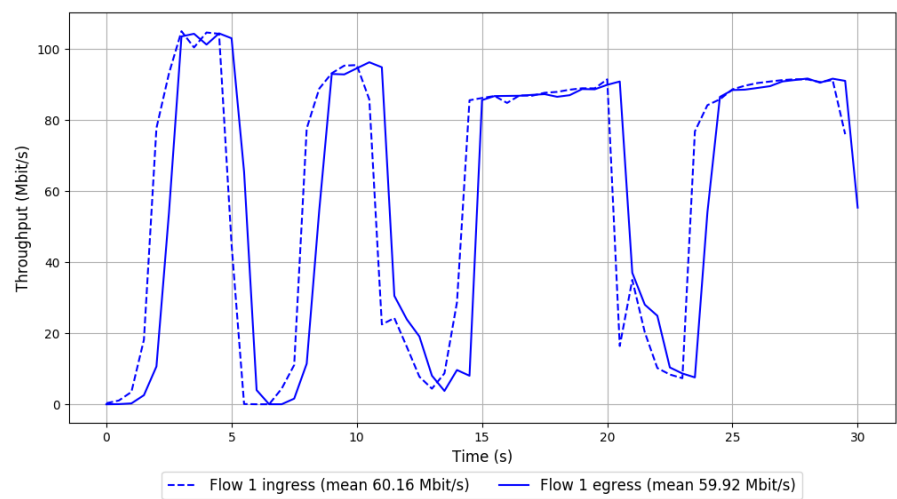


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 12:17:31
End at: 2018-05-24 12:18:01
Local clock offset: 0.187 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 116.723 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 116.723 ms
Loss rate: 1.16%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 12:38:29

End at: 2018-05-24 12:38:59

Local clock offset: 0.176 ms

Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.60 Mbit/s

95th percentile per-packet one-way delay: 117.102 ms

Loss rate: 1.11%

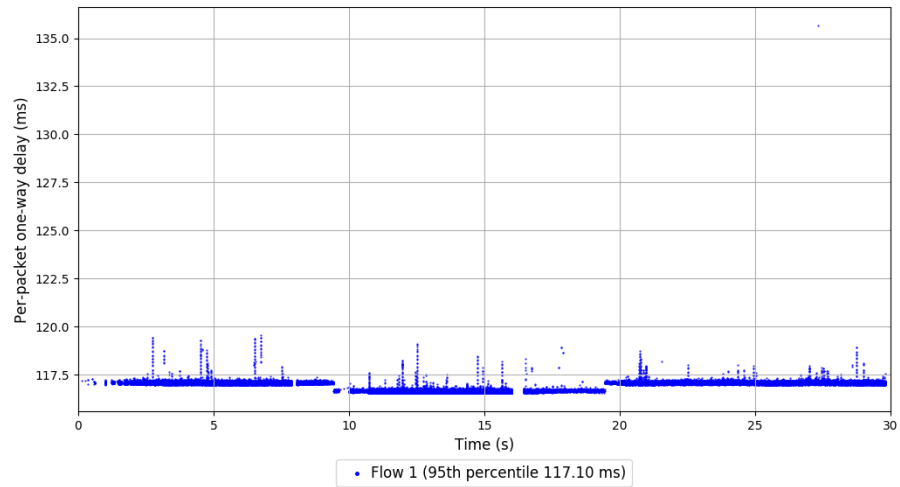
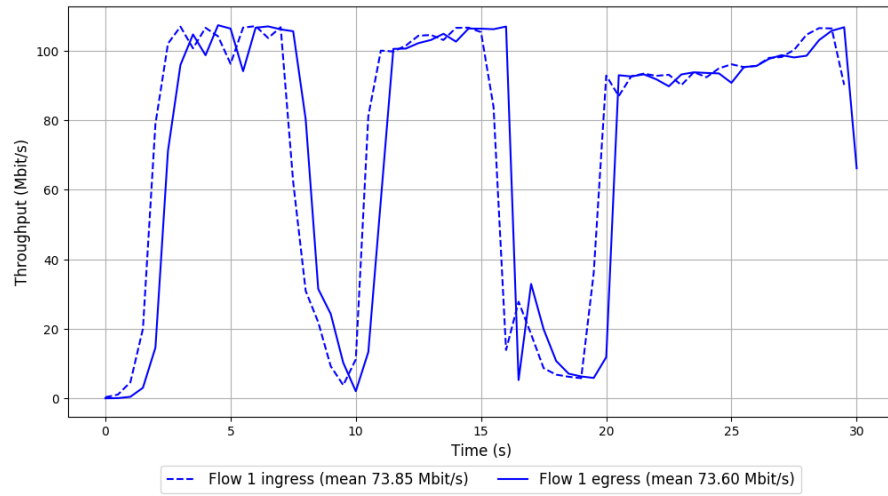
-- Flow 1:

Average throughput: 73.60 Mbit/s

95th percentile per-packet one-way delay: 117.102 ms

Loss rate: 1.11%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 12:59:00

End at: 2018-05-24 12:59:30

Local clock offset: -0.031 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.59 Mbit/s

95th percentile per-packet one-way delay: 116.457 ms

Loss rate: 1.09%

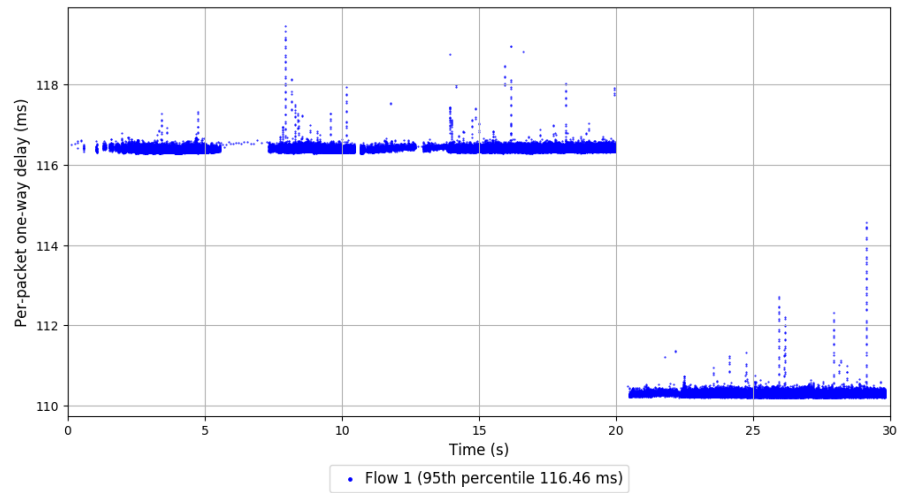
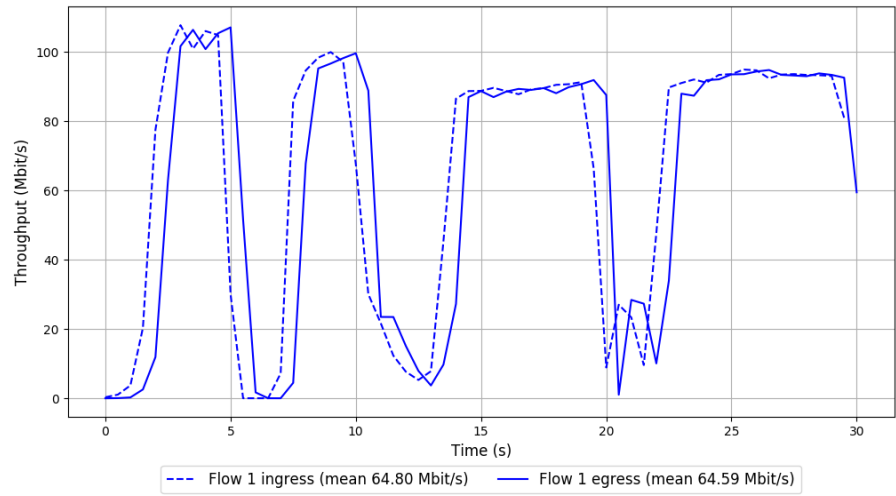
-- Flow 1:

Average throughput: 64.59 Mbit/s

95th percentile per-packet one-way delay: 116.457 ms

Loss rate: 1.09%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 13:19:20

End at: 2018-05-24 13:19:50

Local clock offset: 0.289 ms

Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.56 Mbit/s

95th percentile per-packet one-way delay: 117.195 ms

Loss rate: 1.08%

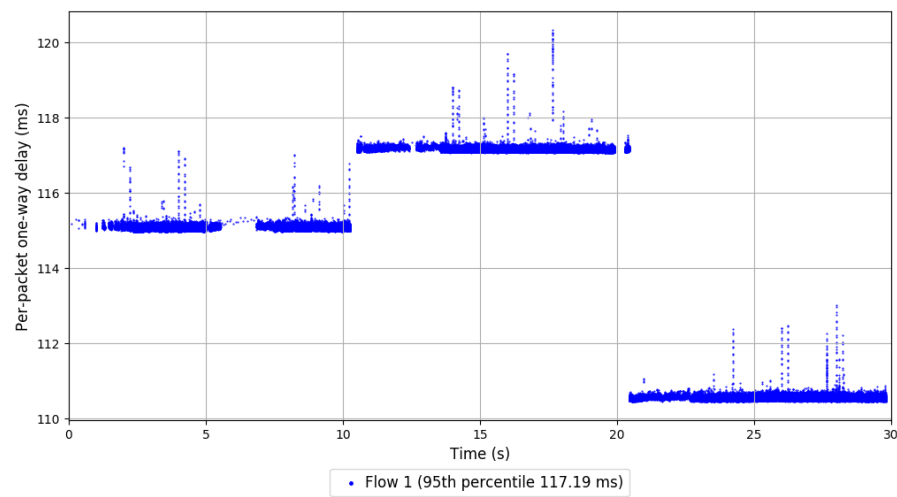
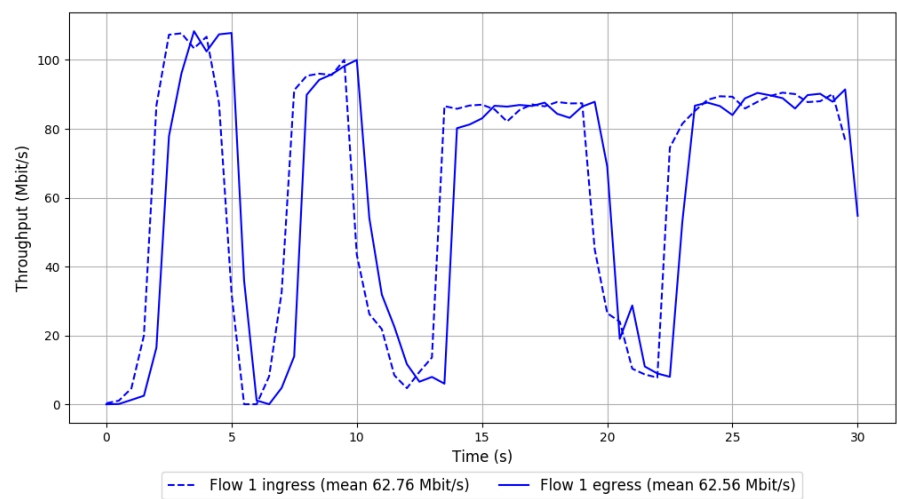
-- Flow 1:

Average throughput: 62.56 Mbit/s

95th percentile per-packet one-way delay: 117.195 ms

Loss rate: 1.08%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 13:39:54

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

Local clock offset: 0.143 ms

Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 116.374 ms

Loss rate: 1.10%

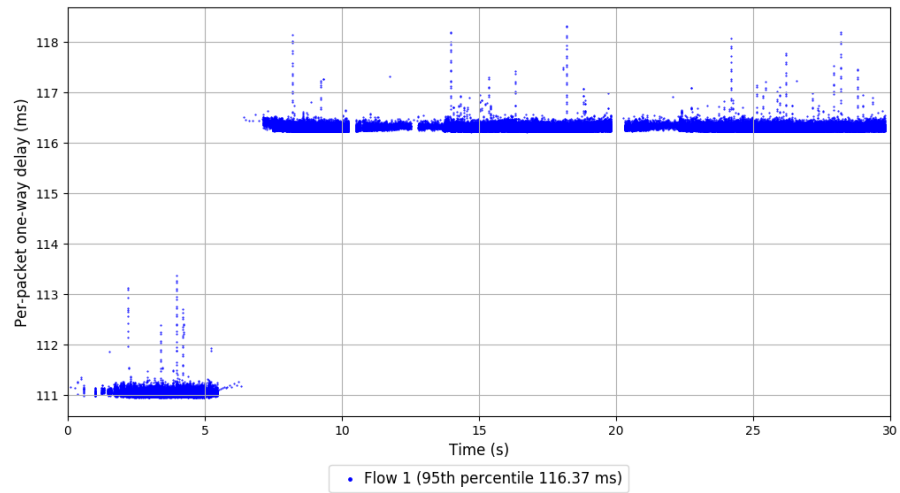
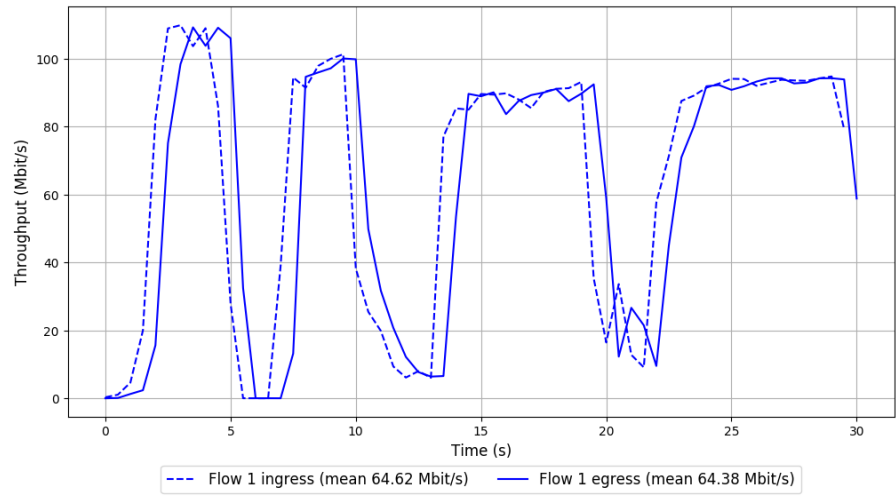
-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 116.374 ms

Loss rate: 1.10%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 14:00:29

End at: 2018-05-24 14:00:59

Local clock offset: 0.043 ms

Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.12 Mbit/s

95th percentile per-packet one-way delay: 117.044 ms

Loss rate: 1.05%

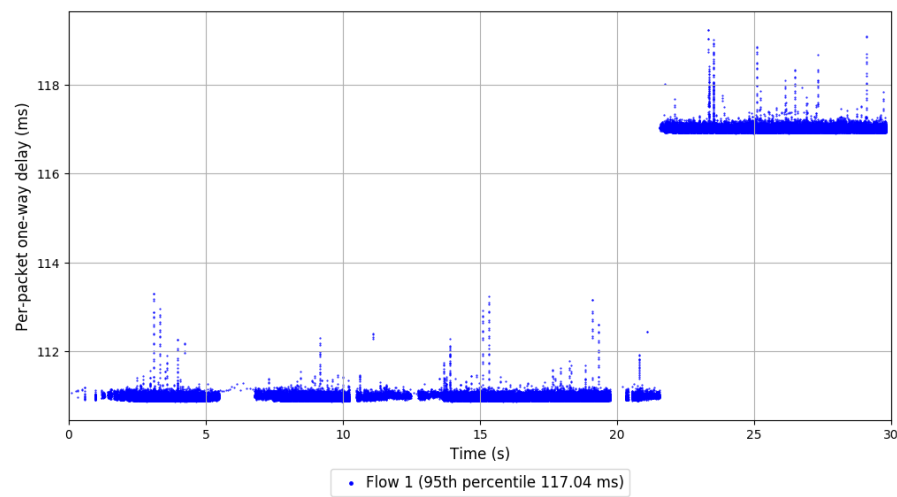
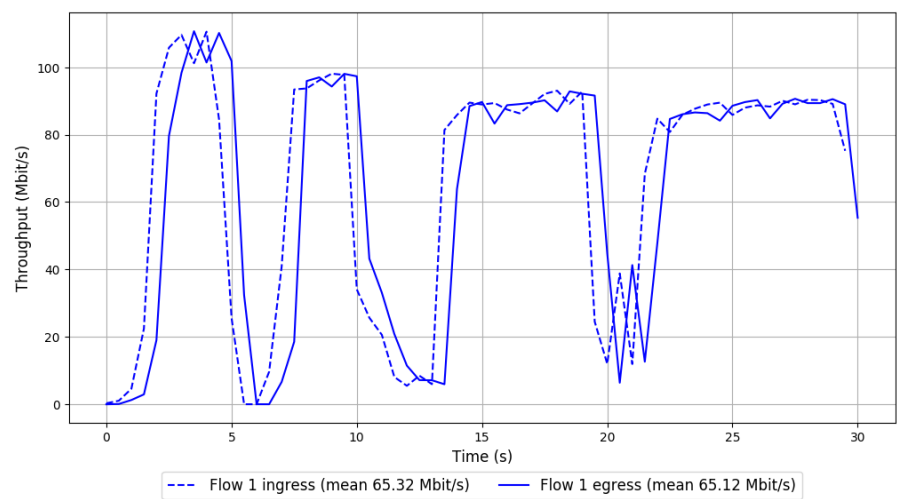
-- Flow 1:

Average throughput: 65.12 Mbit/s

95th percentile per-packet one-way delay: 117.044 ms

Loss rate: 1.05%

Run 9: Report of QUIC Cubic — Data Link

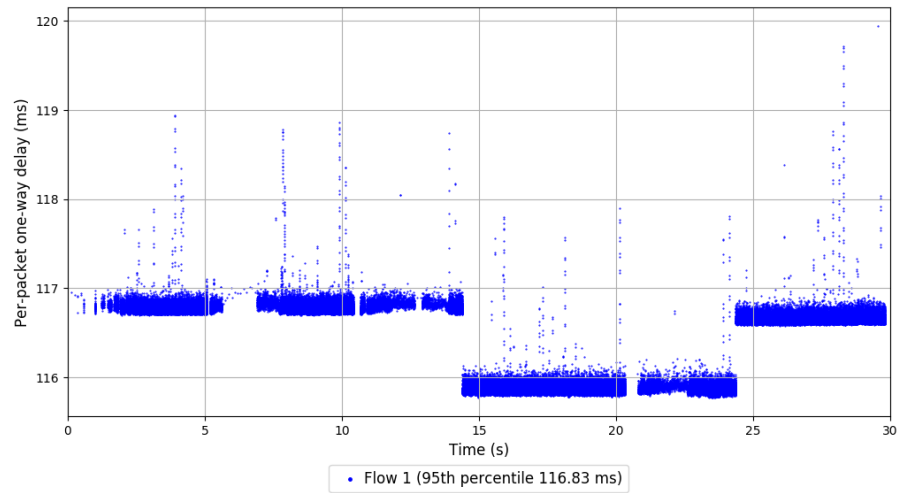
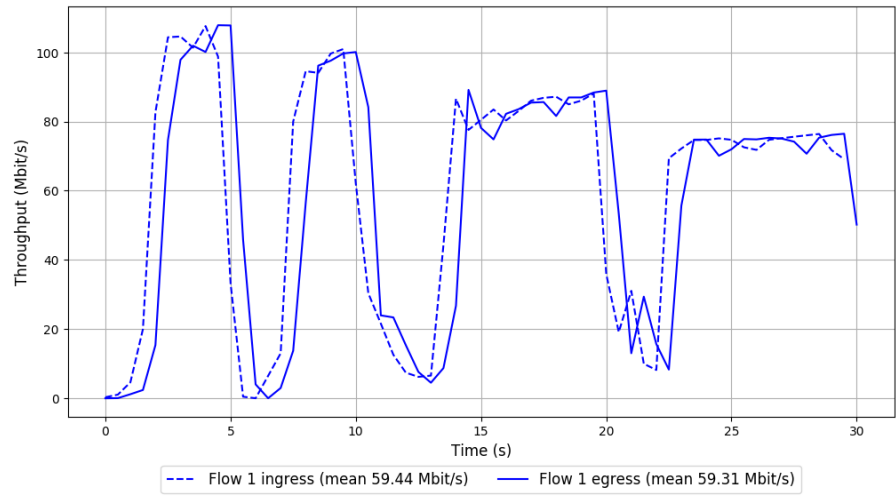


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 14:20:46
End at: 2018-05-24 14:21:16
Local clock offset: -0.163 ms
Remote clock offset: -0.626 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 116.835 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 116.835 ms
Loss rate: 0.99%

Run 10: Report of QUIC Cubic — Data Link

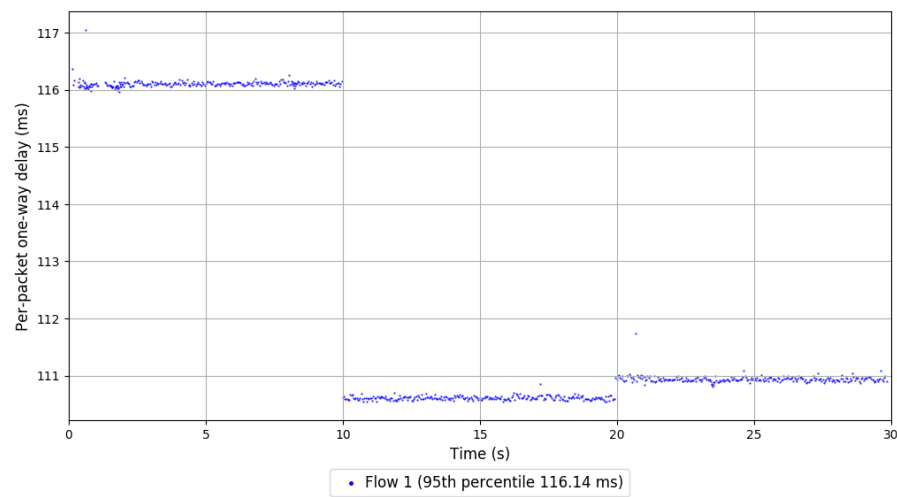
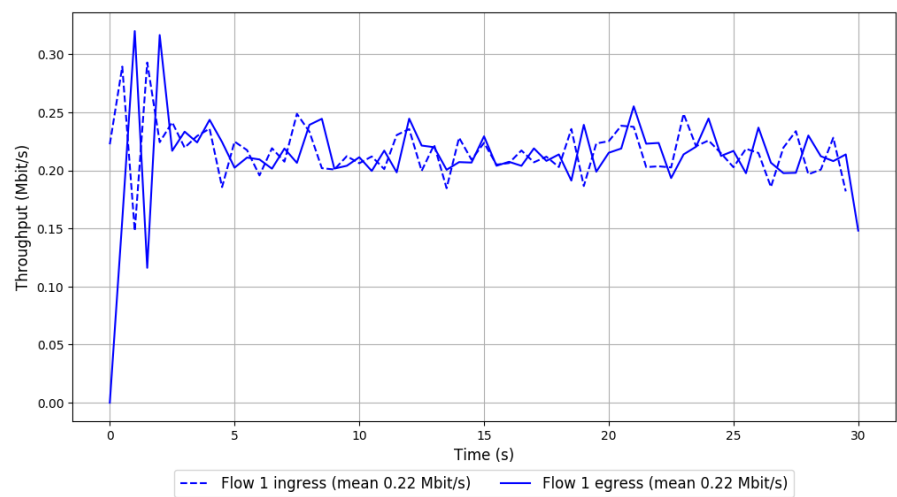


Run 1: Statistics of SCReAM

Start at: 2018-05-24 11:19:19
End at: 2018-05-24 11:19:49
Local clock offset: 0.242 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.138 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.138 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

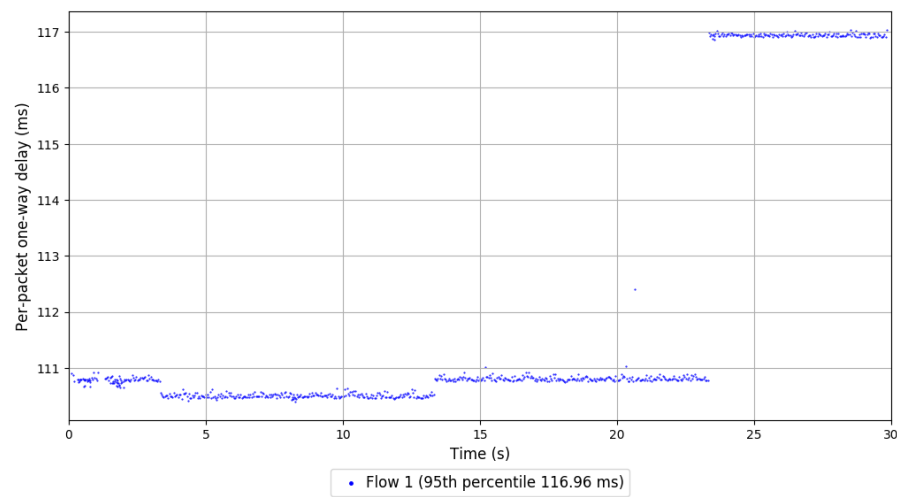
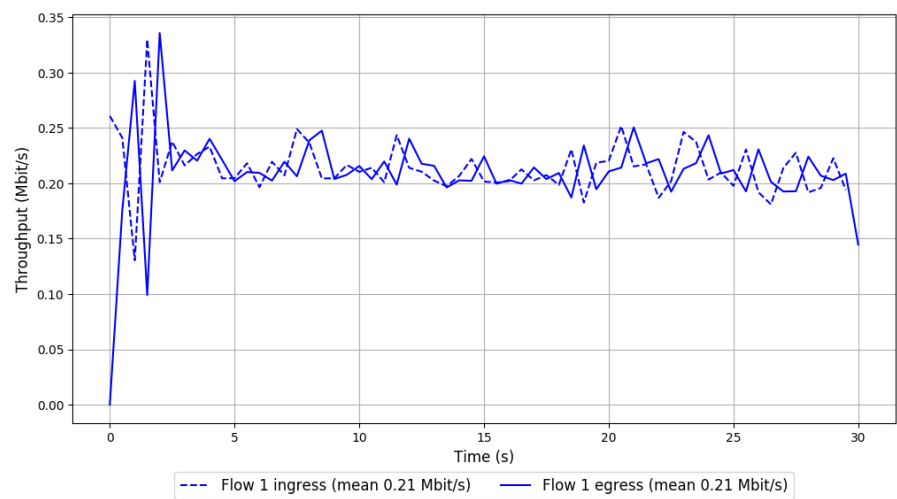


Run 2: Statistics of SCReAM

Start at: 2018-05-24 11:40:05
End at: 2018-05-24 11:40:35
Local clock offset: -0.133 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 116.961 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 116.961 ms
Loss rate: 0.76%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-24 12:00:51

End at: 2018-05-24 12:01:21

Local clock offset: 0.14 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.452 ms

Loss rate: 0.75%

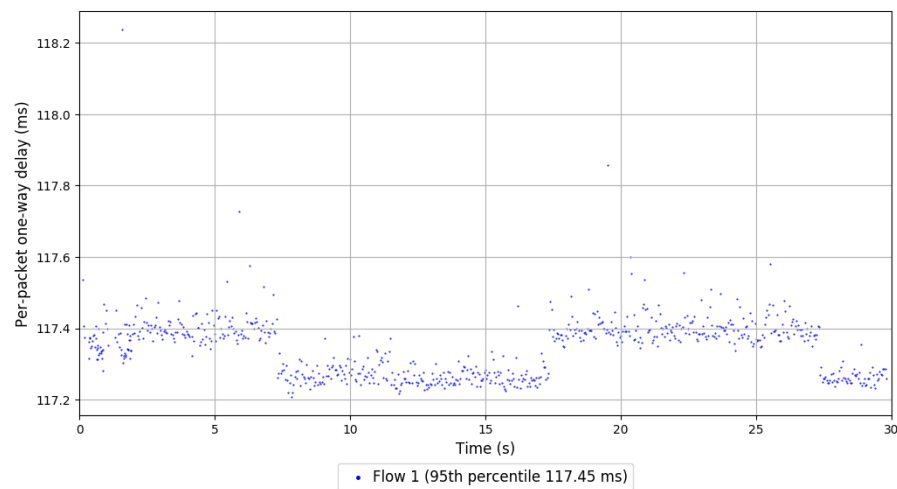
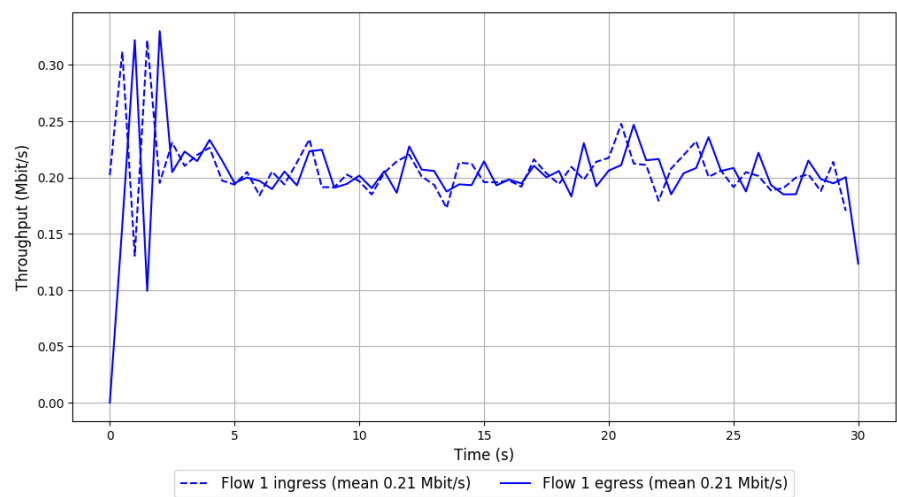
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.452 ms

Loss rate: 0.75%

Run 3: Report of SReAM — Data Link

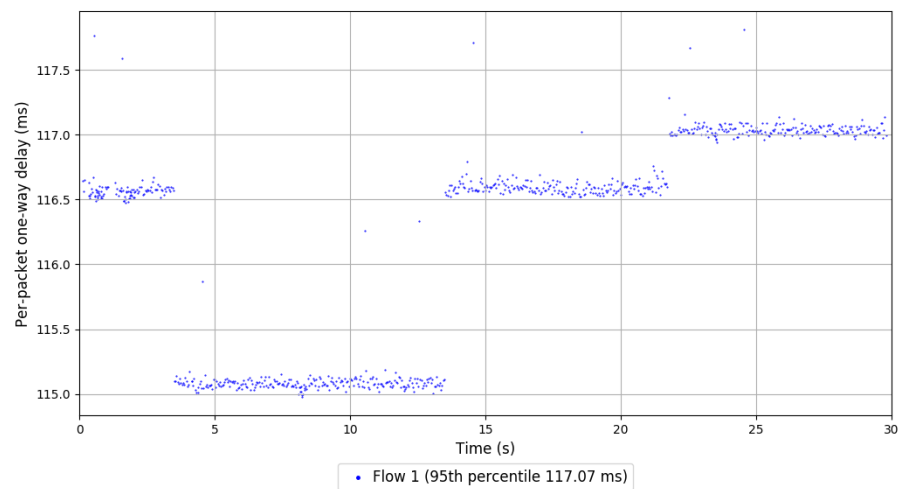
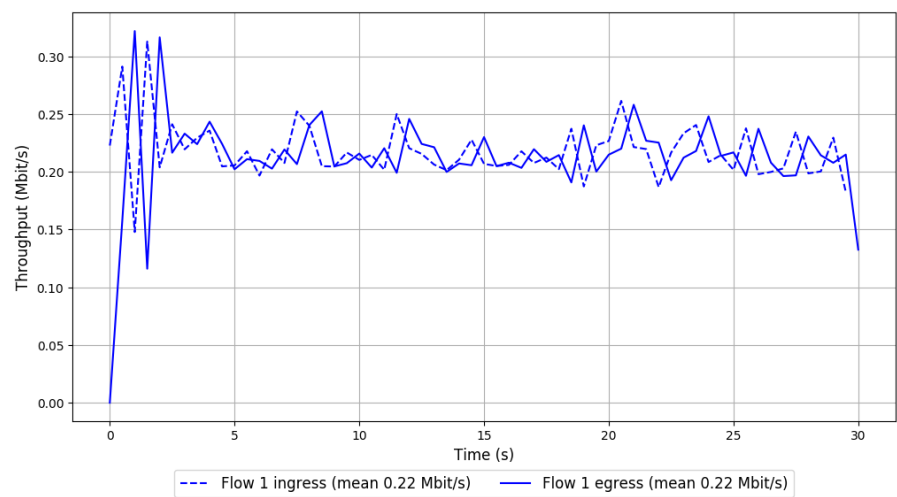


Run 4: Statistics of SCReAM

Start at: 2018-05-24 12:21:05
End at: 2018-05-24 12:21:35
Local clock offset: -0.079 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.071 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 117.071 ms
Loss rate: 0.76%

Run 4: Report of SReAM — Data Link

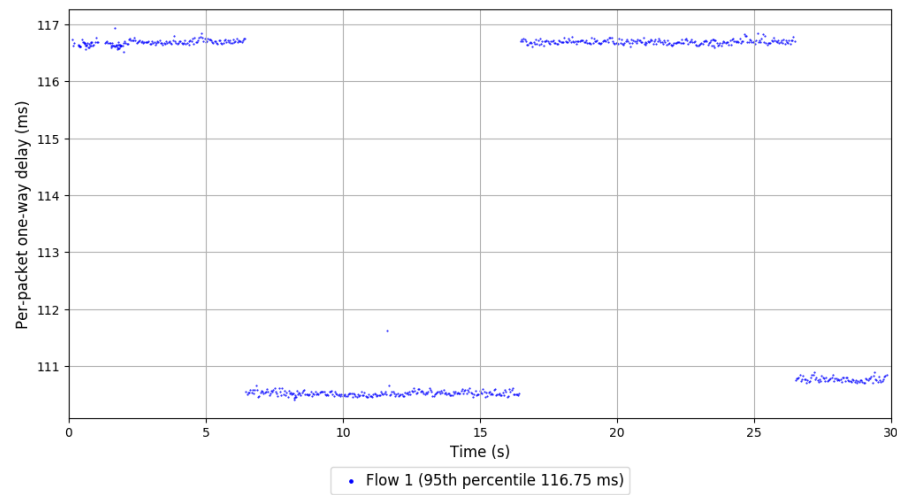
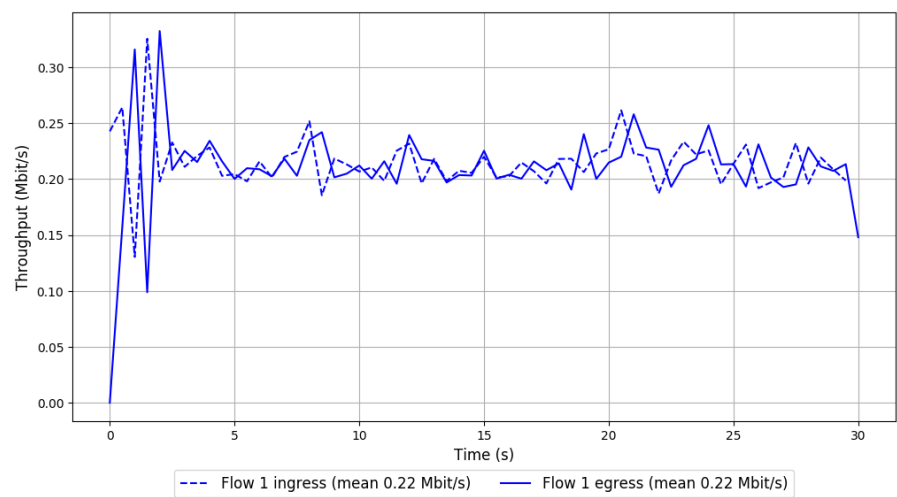


Run 5: Statistics of SCReAM

Start at: 2018-05-24 12:42:02
End at: 2018-05-24 12:42:32
Local clock offset: 0.064 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.749 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.749 ms
Loss rate: 0.77%

Run 5: Report of SReAM — Data Link

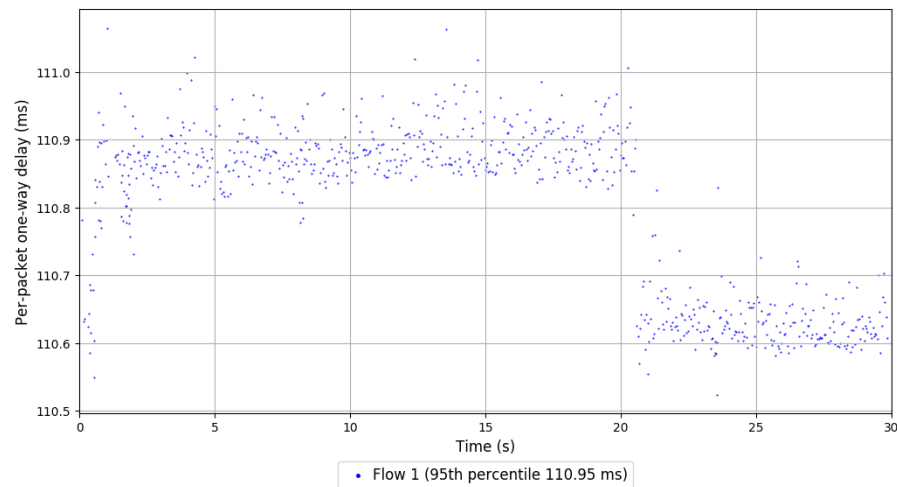
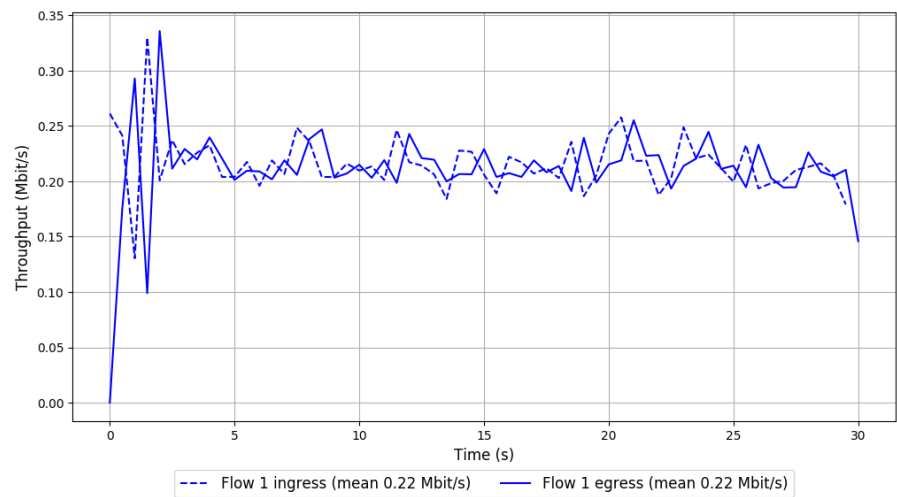


Run 6: Statistics of SCReAM

Start at: 2018-05-24 13:02:40
End at: 2018-05-24 13:03:10
Local clock offset: 0.07 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.948 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.948 ms
Loss rate: 0.63%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-24 13:22:54

End at: 2018-05-24 13:23:24

Local clock offset: -0.293 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 116.659 ms

Loss rate: 0.65%

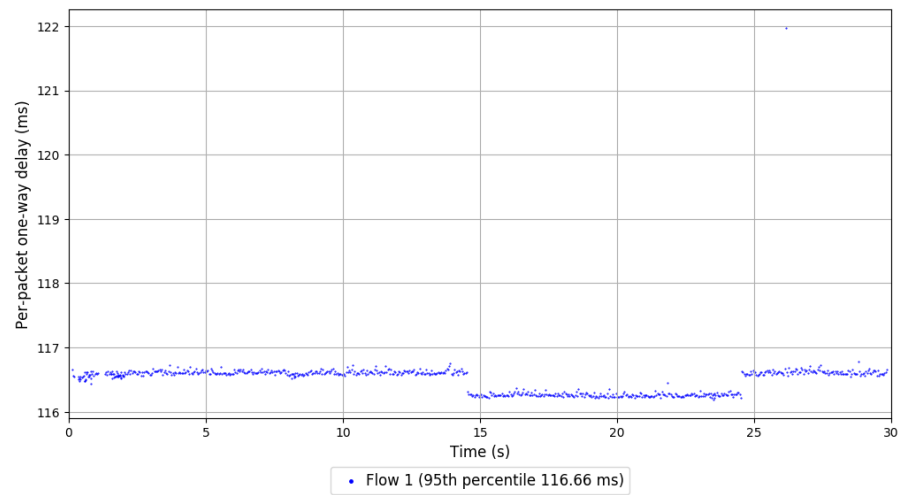
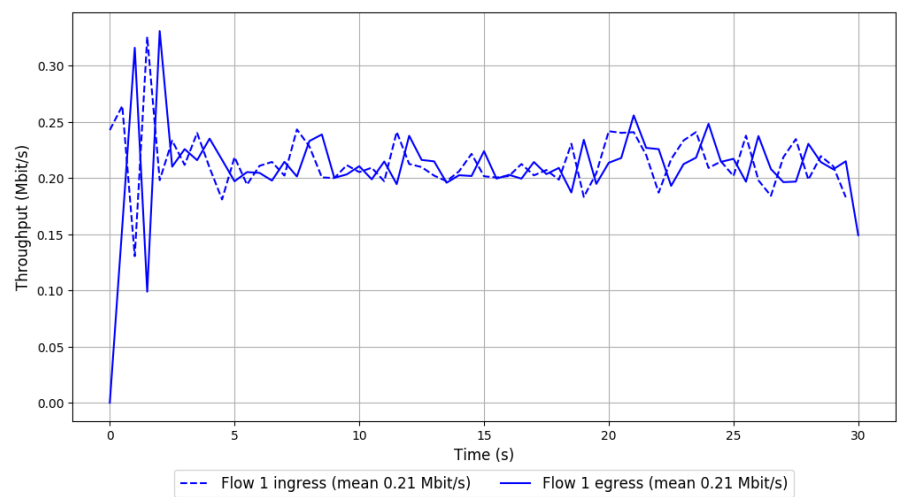
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 116.659 ms

Loss rate: 0.65%

Run 7: Report of SReAM — Data Link

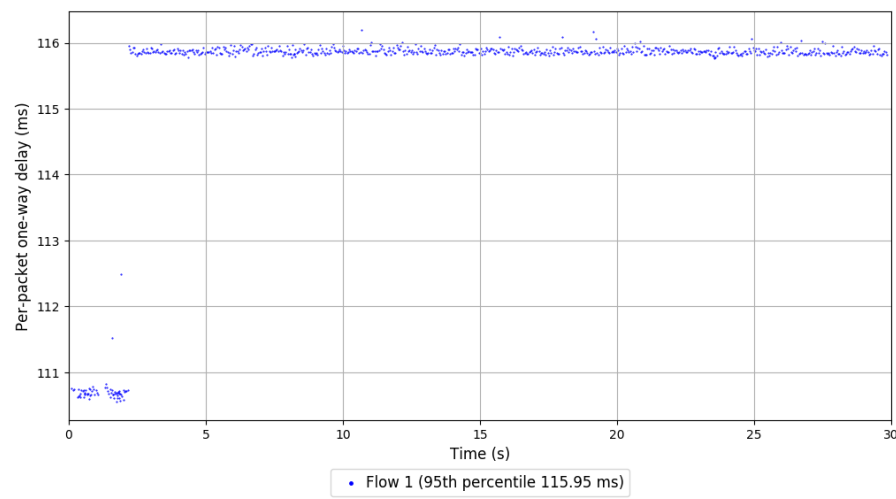
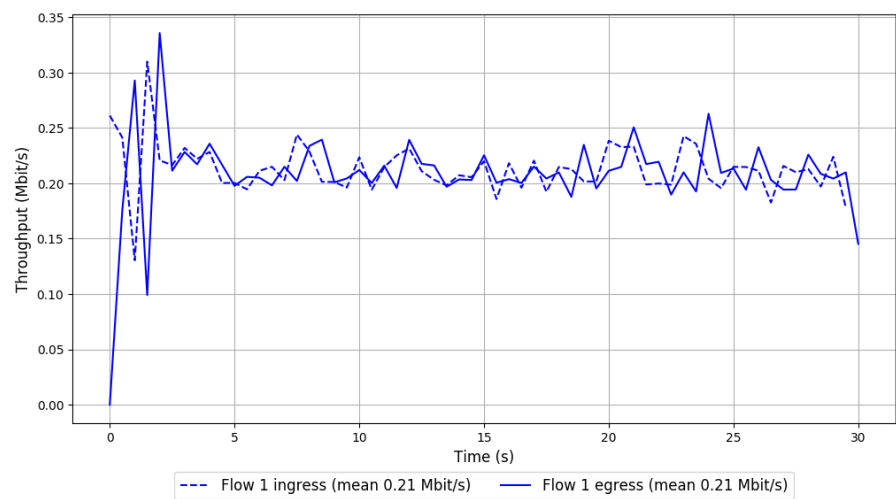


Run 8: Statistics of SCReAM

Start at: 2018-05-24 13:43:38
End at: 2018-05-24 13:44:08
Local clock offset: 0.018 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.952 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.952 ms
Loss rate: 0.64%

Run 8: Report of SReAM — Data Link

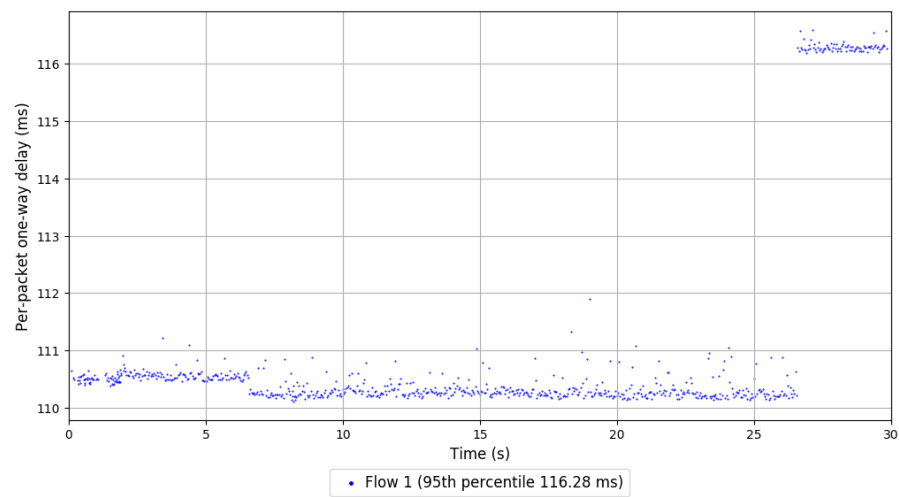
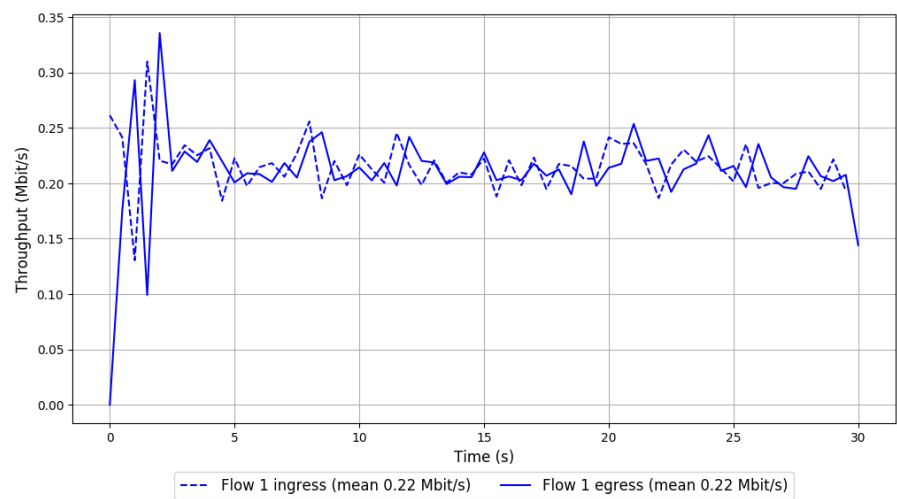


Run 9: Statistics of SCReAM

Start at: 2018-05-24 14:04:04
End at: 2018-05-24 14:04:34
Local clock offset: -0.305 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.283 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 116.283 ms
Loss rate: 0.75%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-24 14:24:15

End at: 2018-05-24 14:24:45

Local clock offset: 0.3 ms

Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 116.846 ms

Loss rate: 0.76%

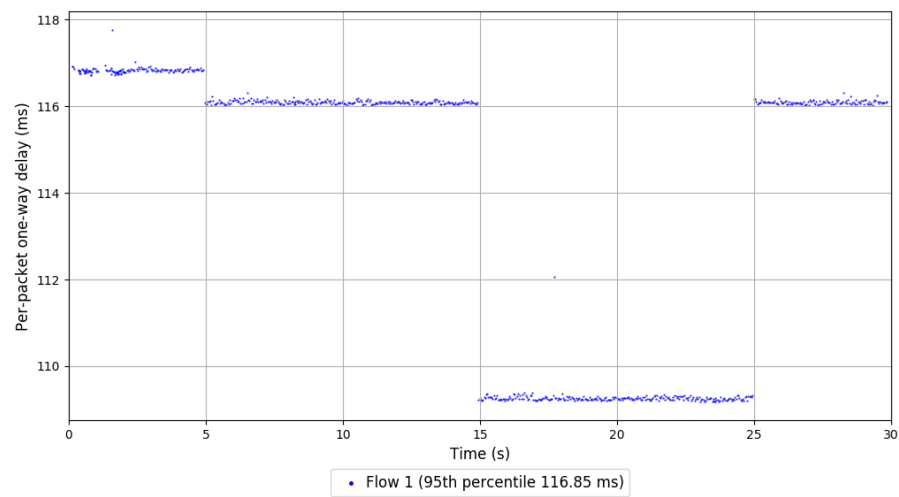
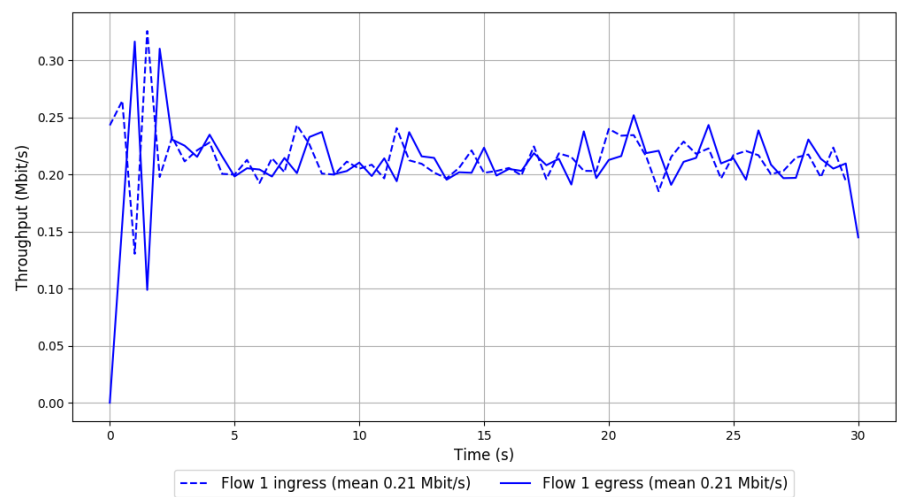
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 116.846 ms

Loss rate: 0.76%

Run 10: Report of SReAM — Data Link

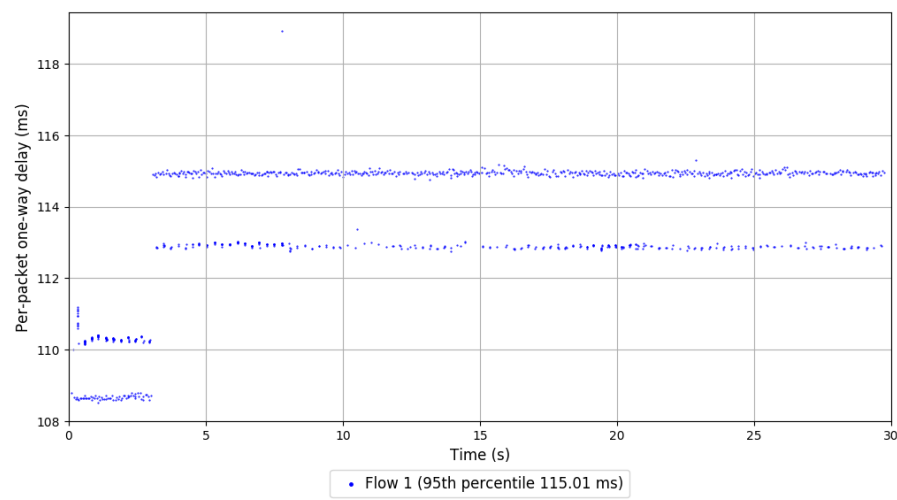
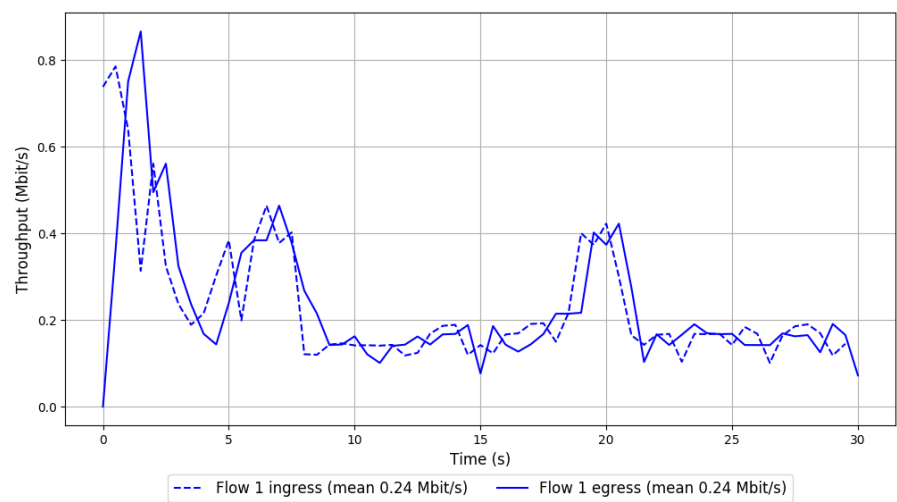


Run 1: Statistics of Sprout

Start at: 2018-05-24 11:12:06
End at: 2018-05-24 11:12:36
Local clock offset: -0.123 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 115.013 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 115.013 ms
Loss rate: 0.67%

Run 1: Report of Sprout — Data Link

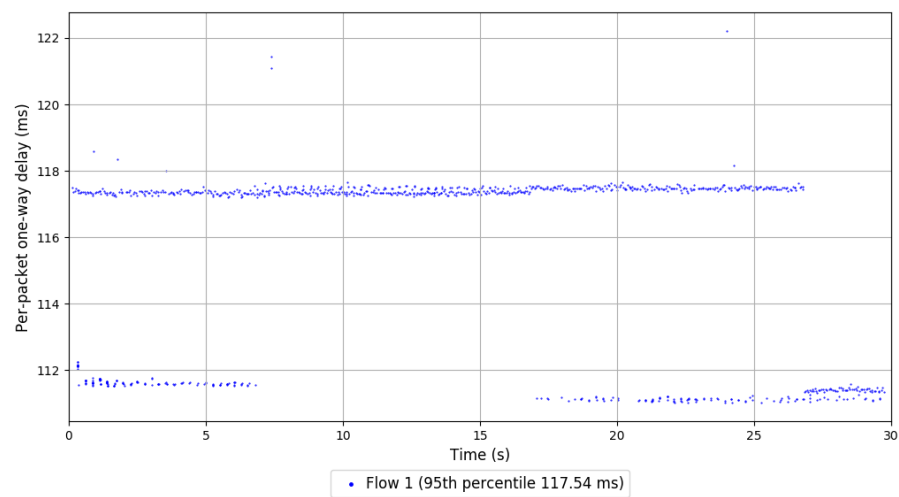
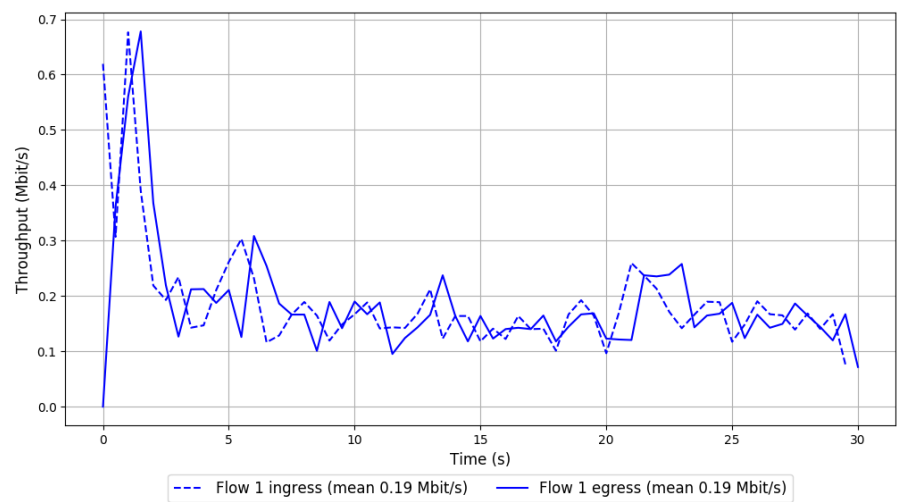


Run 2: Statistics of Sprout

Start at: 2018-05-24 11:32:22
End at: 2018-05-24 11:32:52
Local clock offset: 0.055 ms
Remote clock offset: -0.608 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 117.537 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 117.537 ms
Loss rate: 0.63%

Run 2: Report of Sprout — Data Link

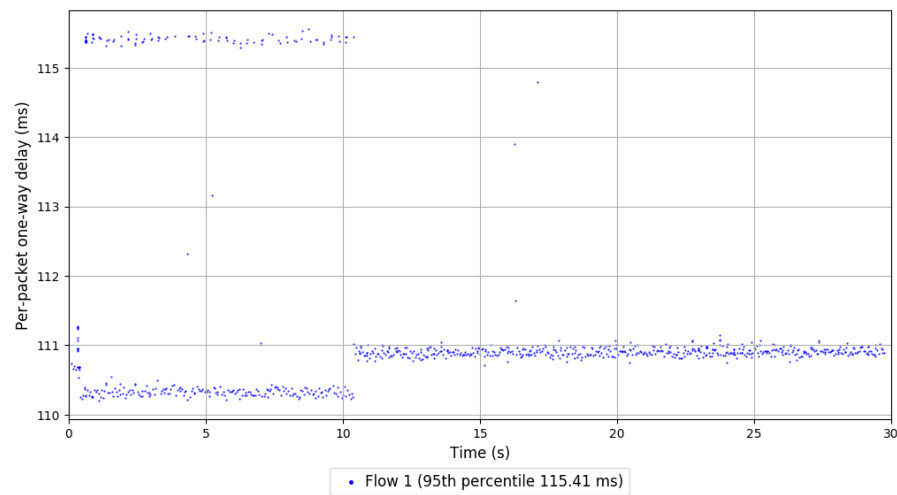
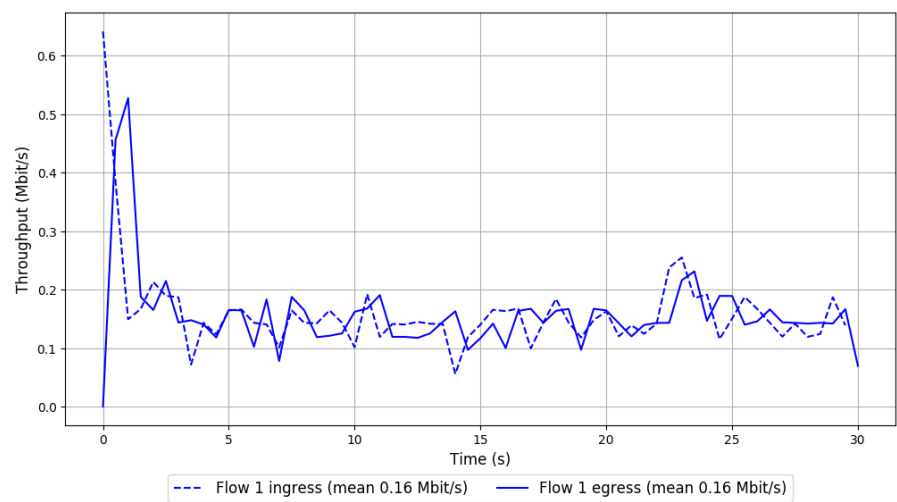


Run 3: Statistics of Sprout

Start at: 2018-05-24 11:53:08
End at: 2018-05-24 11:53:38
Local clock offset: 0.058 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 115.414 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 115.414 ms
Loss rate: 0.96%

Run 3: Report of Sprout — Data Link

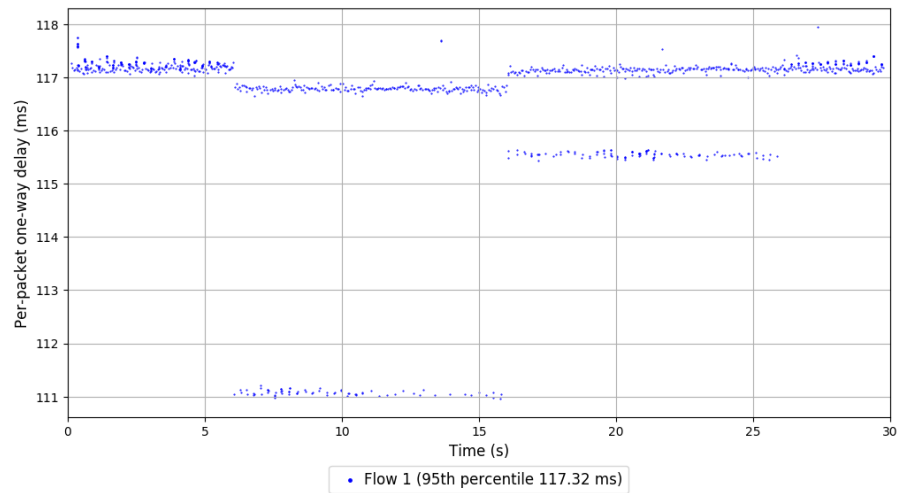
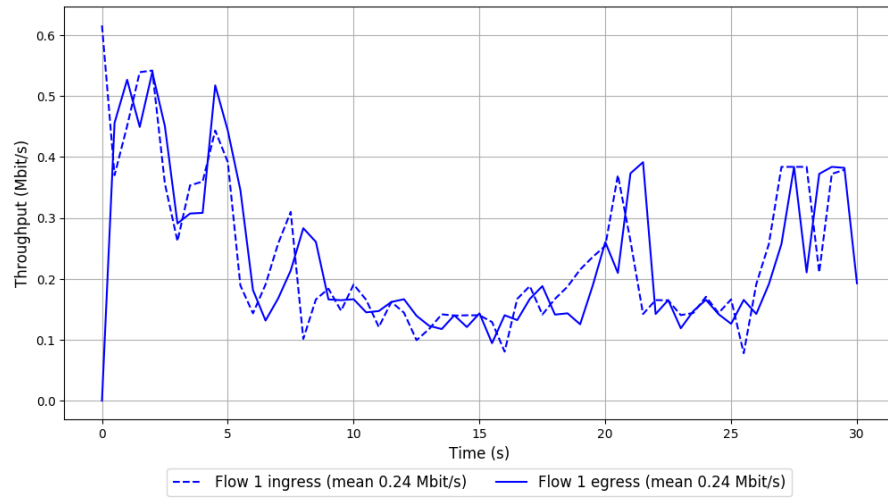


Run 4: Statistics of Sprout

Start at: 2018-05-24 12:13:53
End at: 2018-05-24 12:14:23
Local clock offset: 0.227 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 117.318 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 117.318 ms
Loss rate: 1.34%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 12:34:24

End at: 2018-05-24 12:34:54

Local clock offset: -0.047 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.152 ms

Loss rate: 0.58%

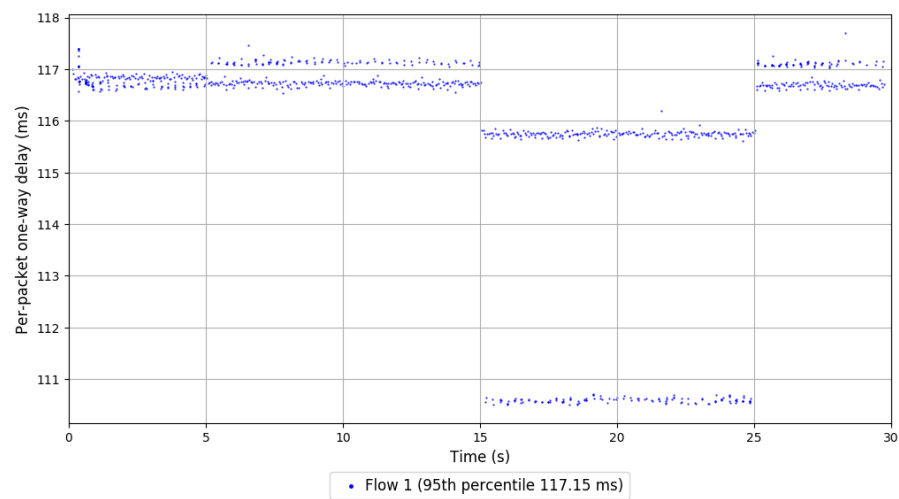
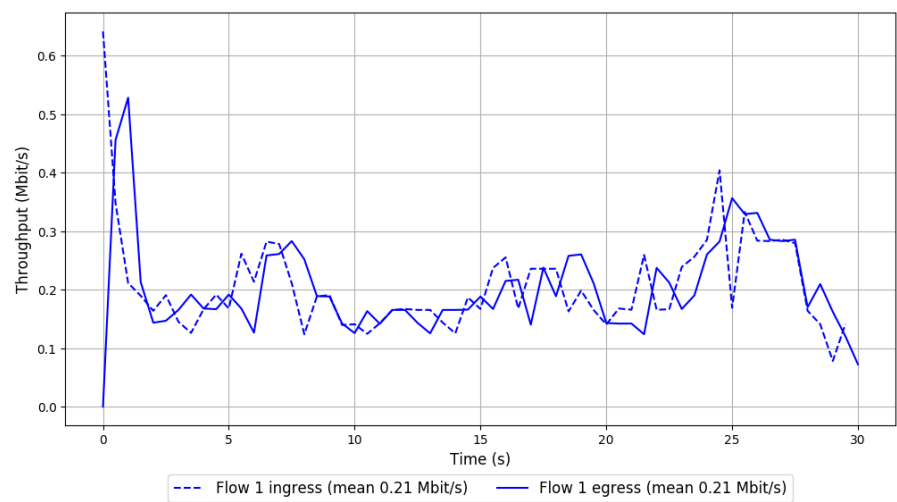
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.152 ms

Loss rate: 0.58%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-24 12:55:09

End at: 2018-05-24 12:55:39

Local clock offset: 0.244 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.352 ms

Loss rate: 0.73%

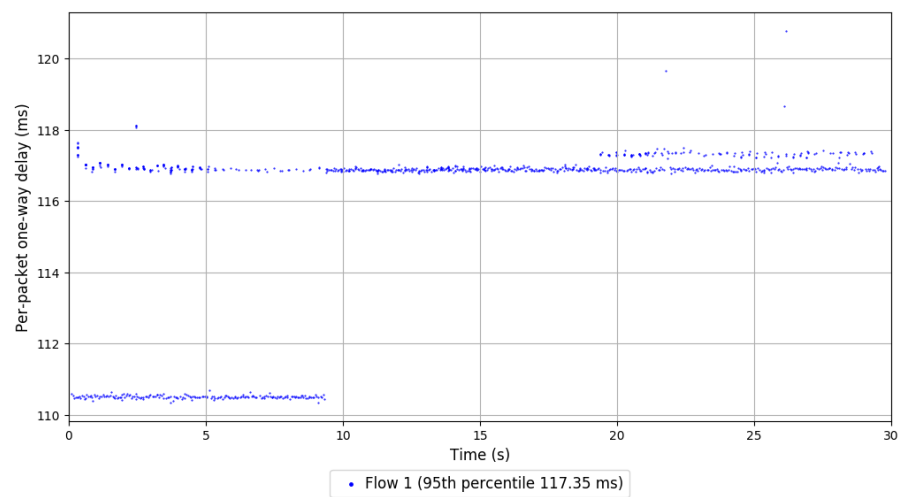
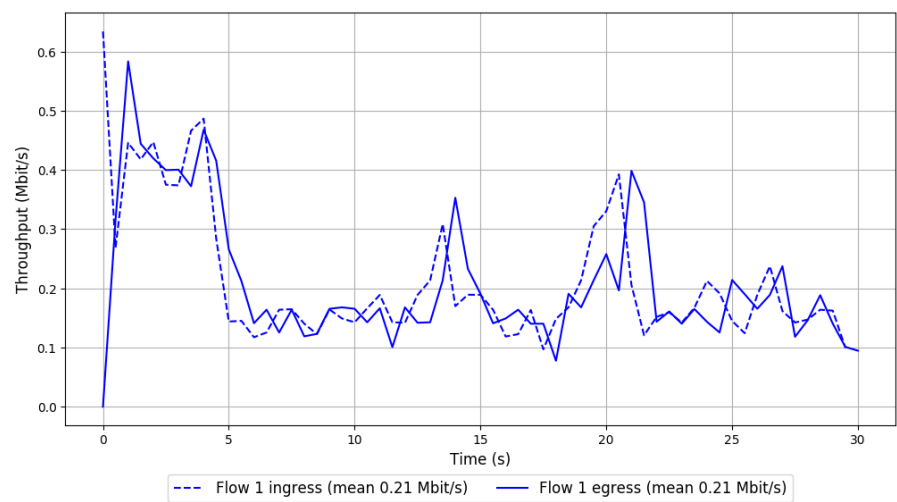
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.352 ms

Loss rate: 0.73%

Run 6: Report of Sprout — Data Link

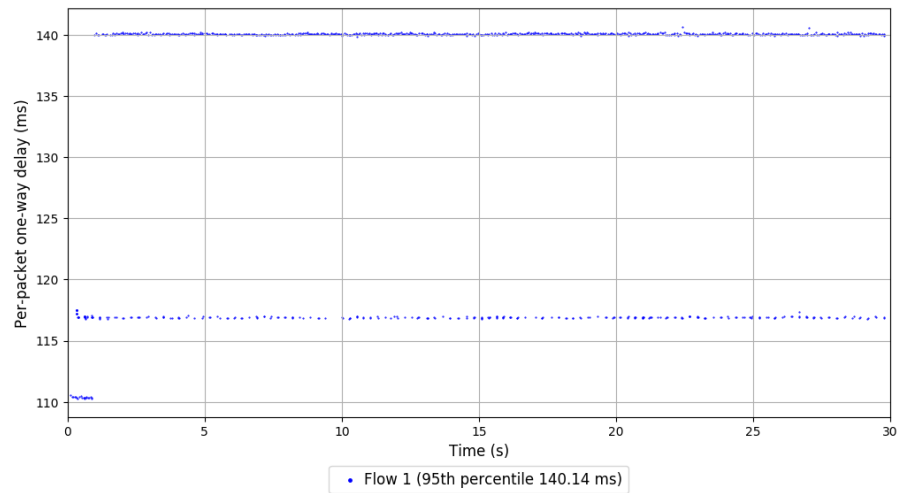
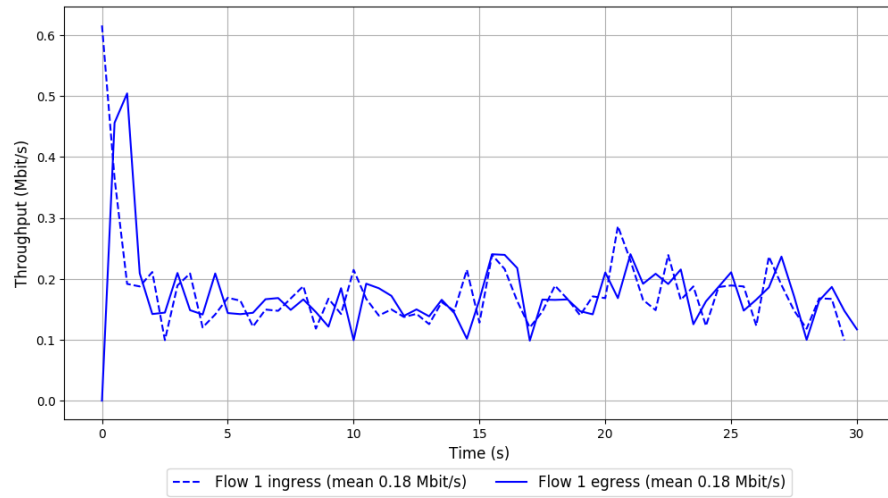


Run 7: Statistics of Sprout

Start at: 2018-05-24 13:15:39
End at: 2018-05-24 13:16:09
Local clock offset: 0.005 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 140.142 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 140.142 ms
Loss rate: 0.06%

Run 7: Report of Sprout — Data Link

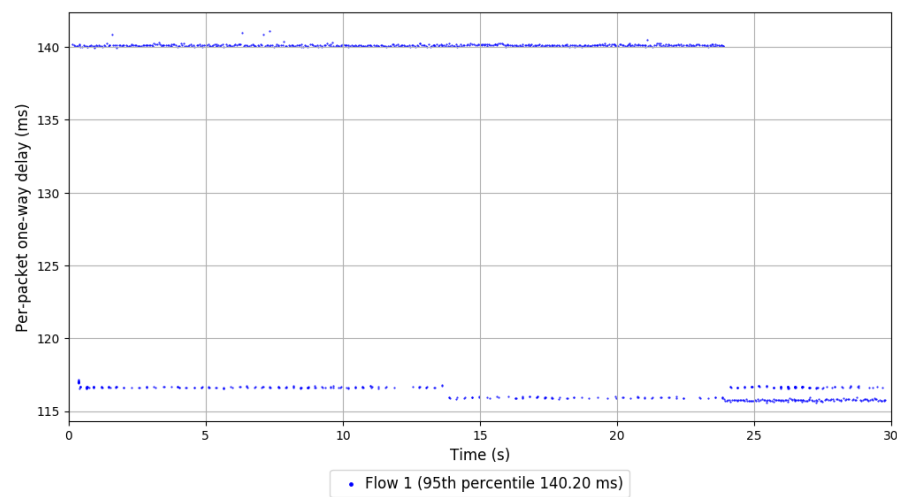
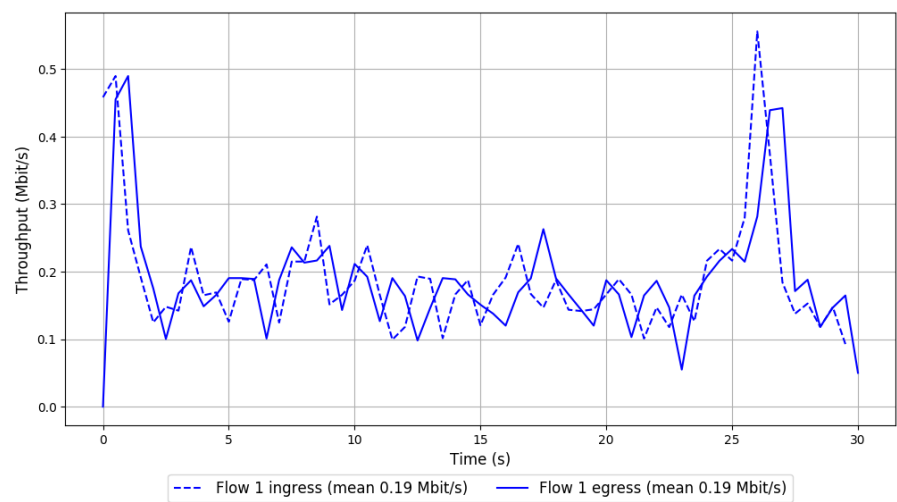


Run 8: Statistics of Sprout

Start at: 2018-05-24 13:36:06
End at: 2018-05-24 13:36:36
Local clock offset: -0.234 ms
Remote clock offset: -0.563 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 140.196 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 140.196 ms
Loss rate: 0.40%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 13:56:47

End at: 2018-05-24 13:57:17

Local clock offset: 0.221 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 116.500 ms

Loss rate: 0.47%

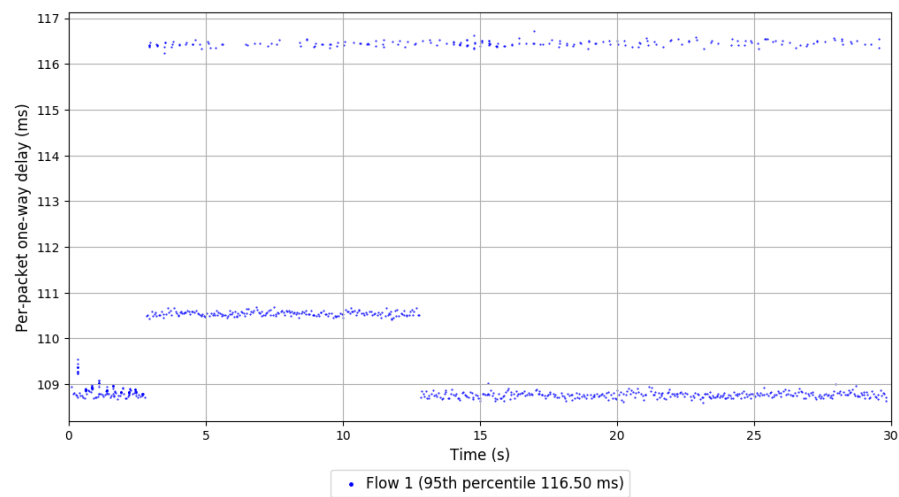
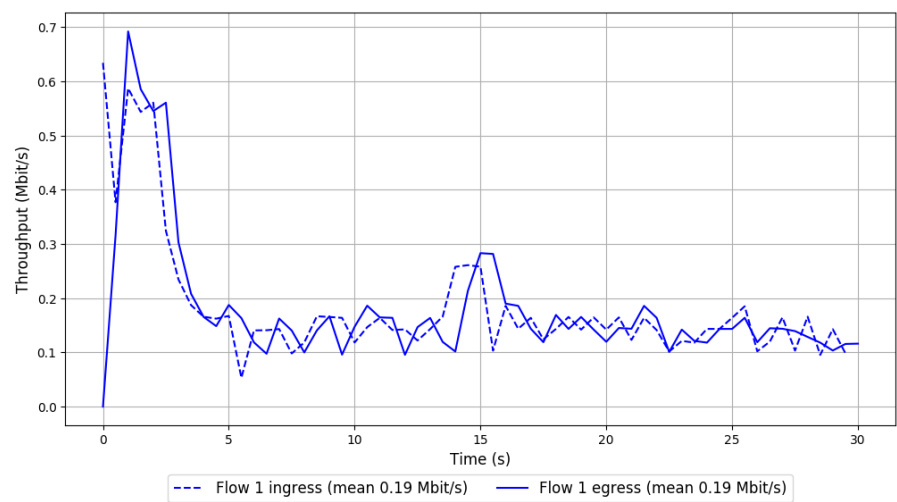
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 116.500 ms

Loss rate: 0.47%

Run 9: Report of Sprout — Data Link

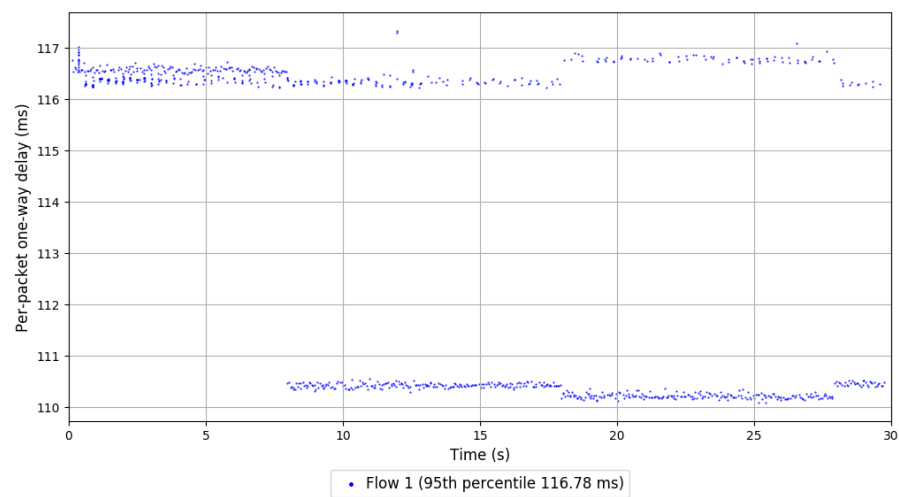
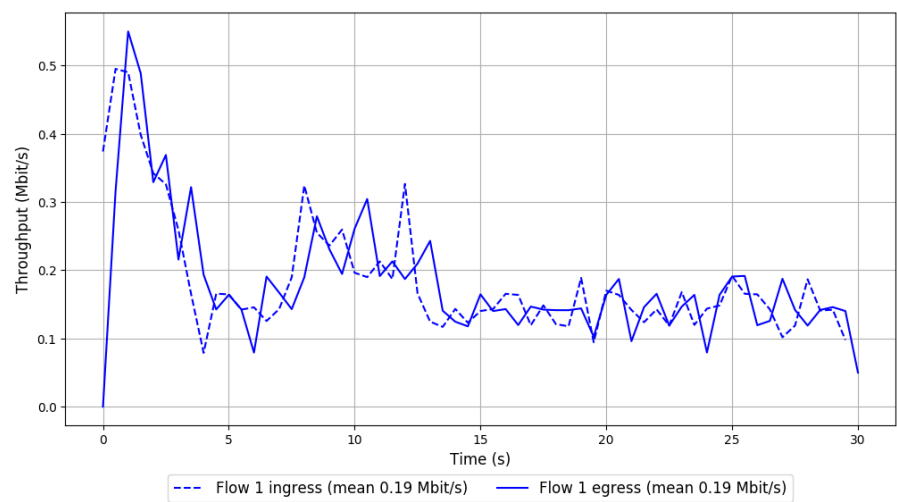


Run 10: Statistics of Sprout

Start at: 2018-05-24 14:17:02
End at: 2018-05-24 14:17:32
Local clock offset: -0.322 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-05-24 15:34:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 116.781 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 116.781 ms
Loss rate: 0.83%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 11:16:57

End at: 2018-05-24 11:17:28

Local clock offset: 0.006 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 117.023 ms

Loss rate: 0.00%

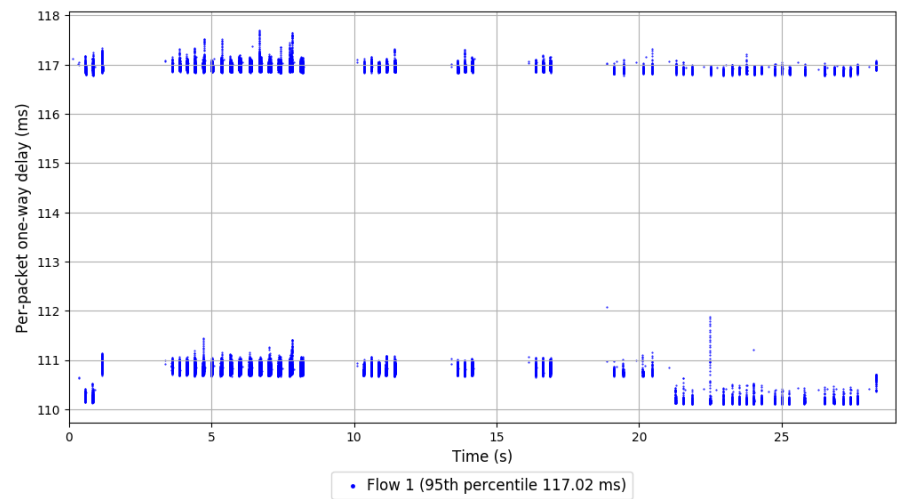
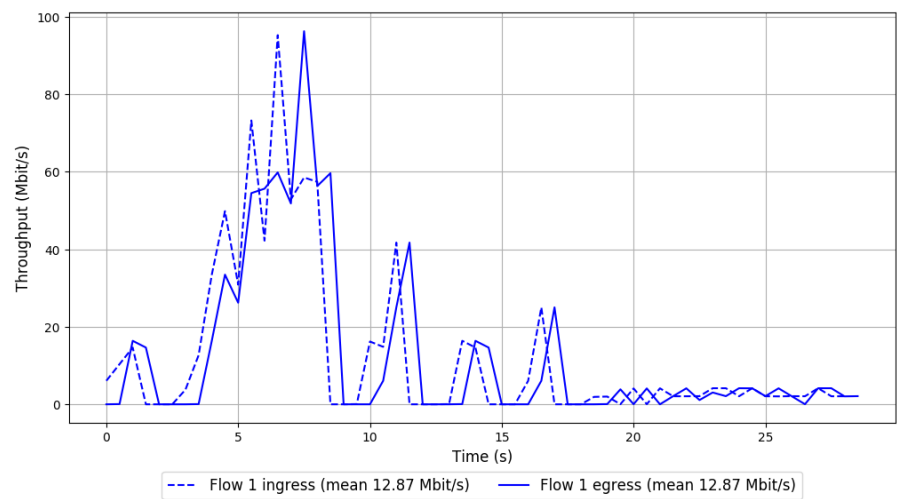
-- Flow 1:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 117.023 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 11:37:38

End at: 2018-05-24 11:38:08

Local clock offset: 0.191 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-24 15:34:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.47 Mbit/s

95th percentile per-packet one-way delay: 111.230 ms

Loss rate: 0.07%

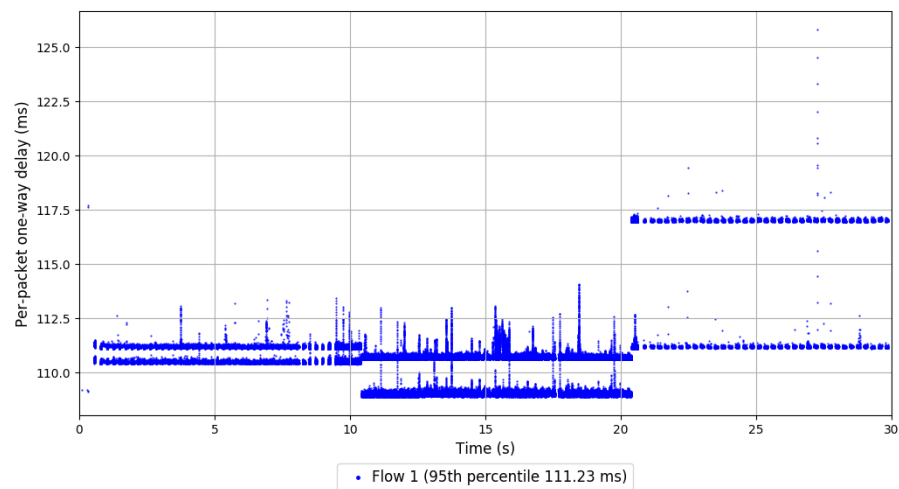
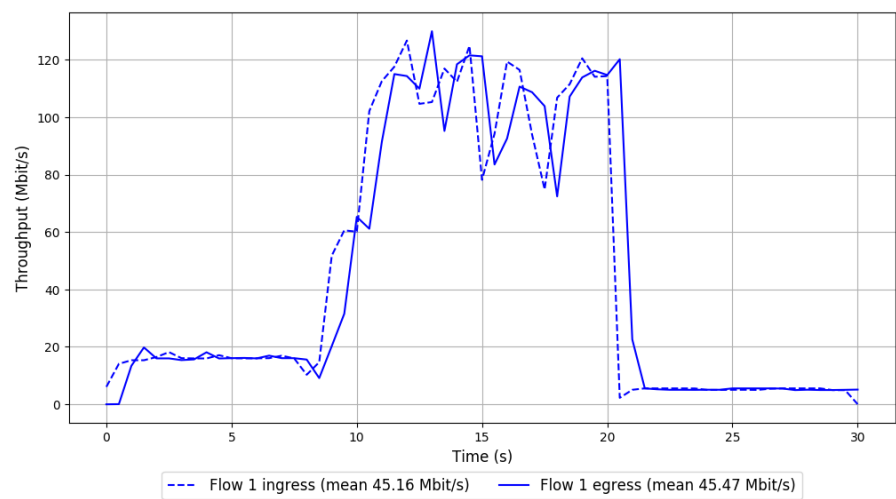
-- Flow 1:

Average throughput: 45.47 Mbit/s

95th percentile per-packet one-way delay: 111.230 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 11:58:15

End at: 2018-05-24 11:58:45

Local clock offset: 0.349 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.40 Mbit/s

95th percentile per-packet one-way delay: 111.004 ms

Loss rate: 0.00%

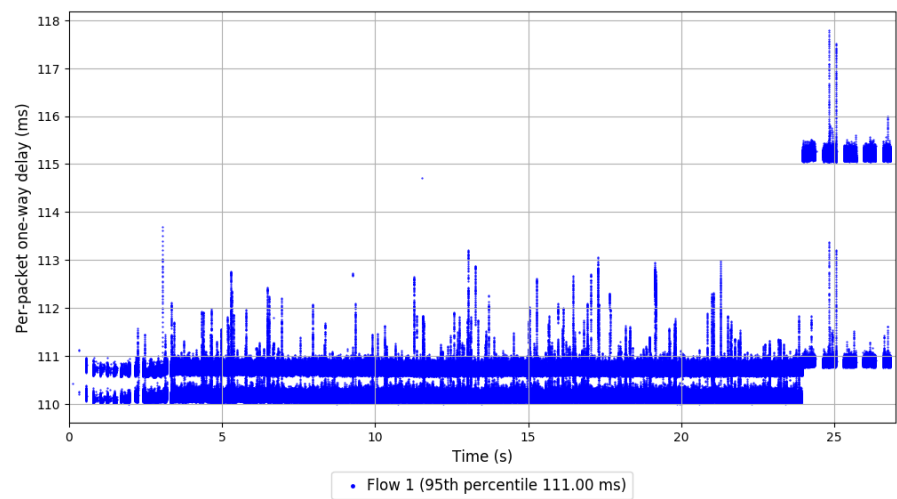
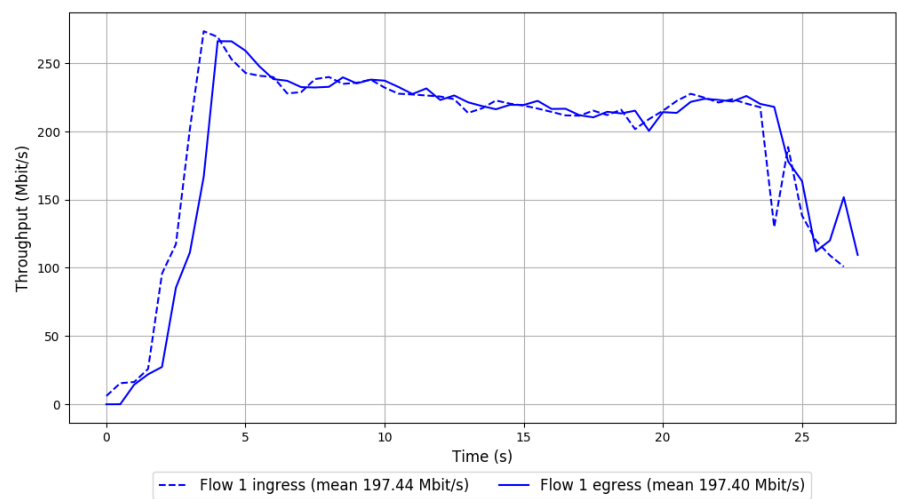
-- Flow 1:

Average throughput: 197.40 Mbit/s

95th percentile per-packet one-way delay: 111.004 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 12:18:42

End at: 2018-05-24 12:19:12

Local clock offset: 0.177 ms

Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 116.692 ms

Loss rate: 0.75%

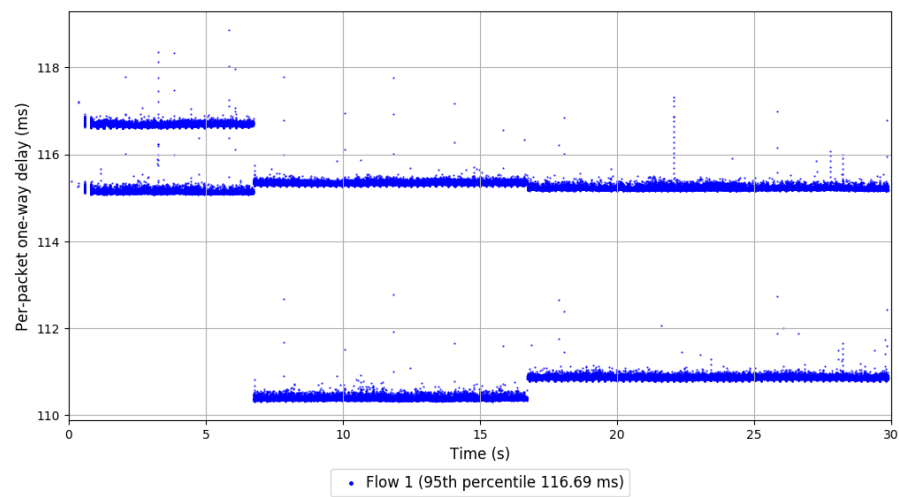
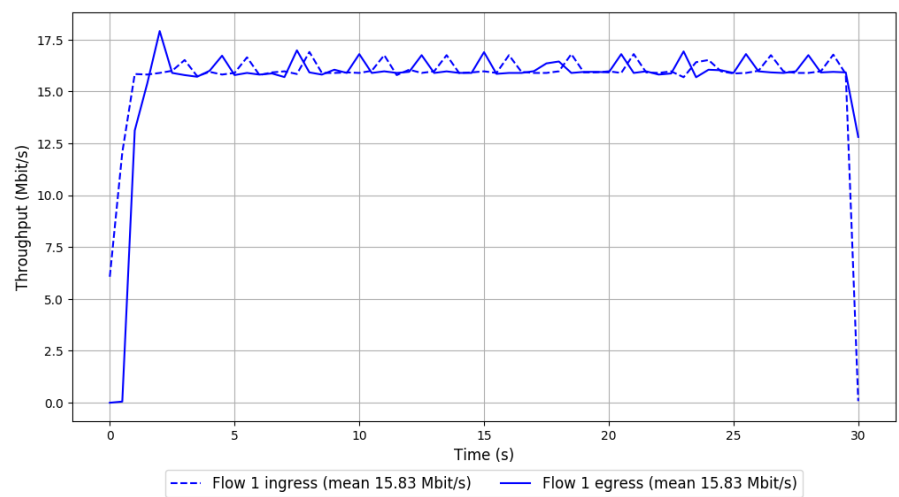
-- Flow 1:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 116.692 ms

Loss rate: 0.75%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 12:39:42

End at: 2018-05-24 12:40:12

Local clock offset: 0.355 ms

Remote clock offset: -0.557 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 117.822 ms

Loss rate: 0.38%

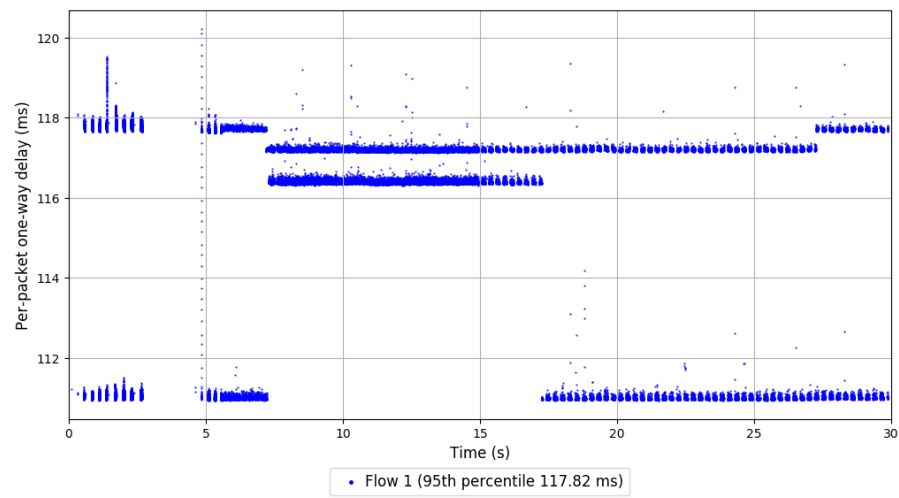
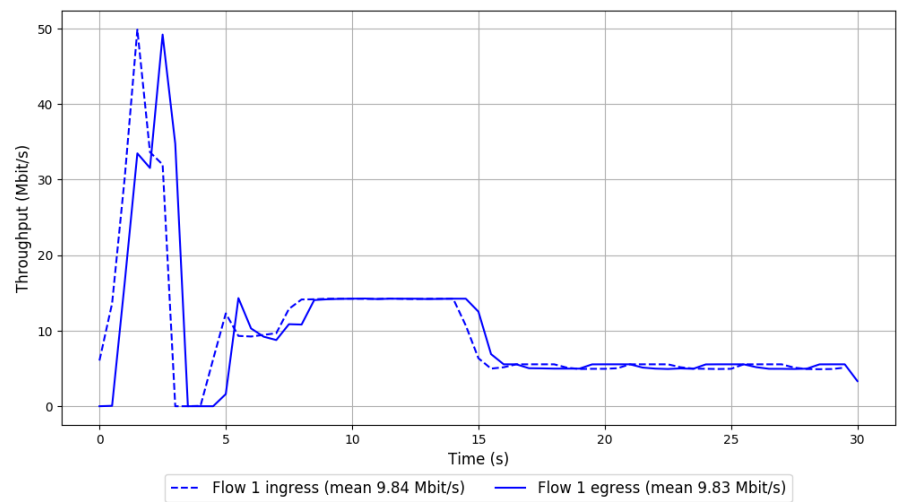
-- Flow 1:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 117.822 ms

Loss rate: 0.38%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 13:00:12

End at: 2018-05-24 13:00:42

Local clock offset: 0.27 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 117.189 ms

Loss rate: 0.54%

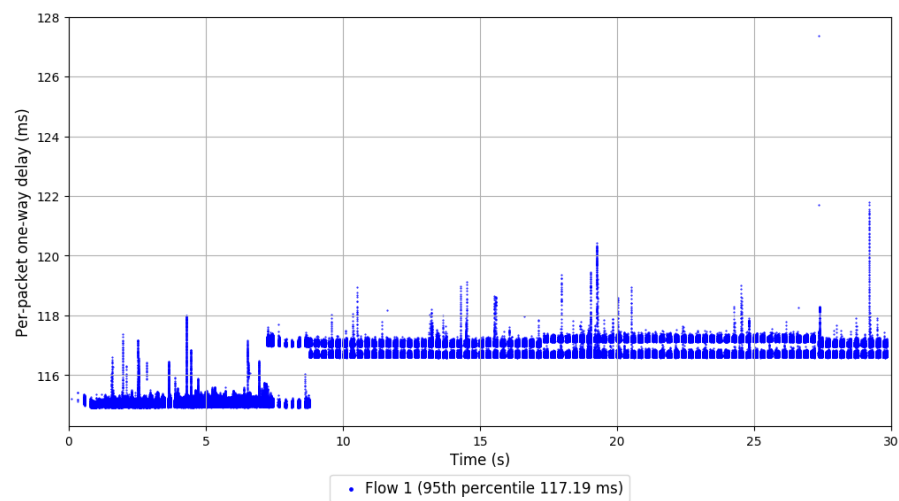
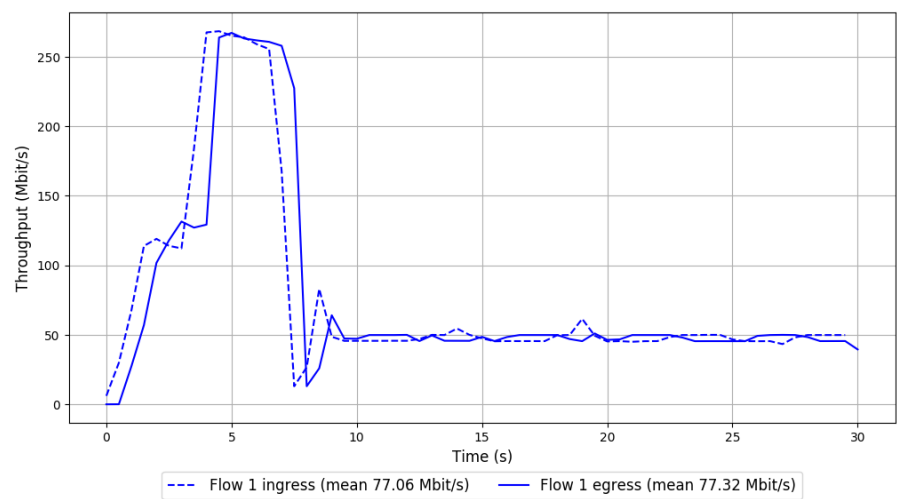
-- Flow 1:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 117.189 ms

Loss rate: 0.54%

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

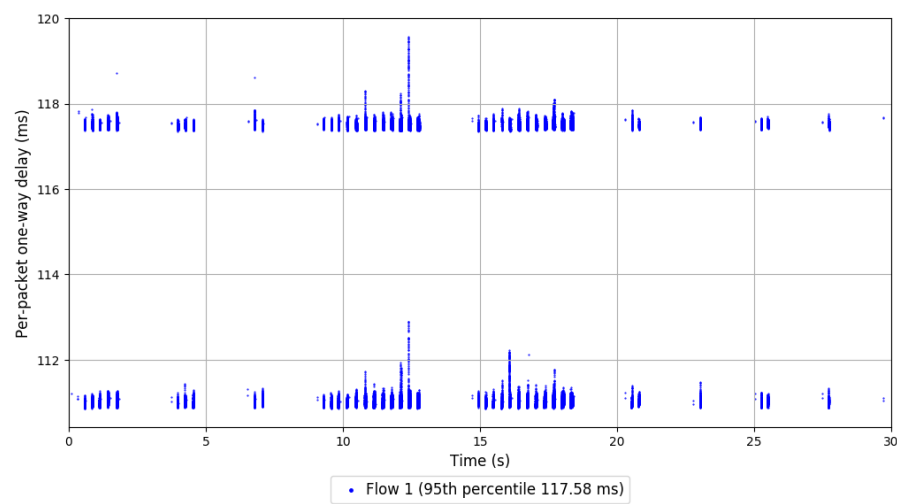
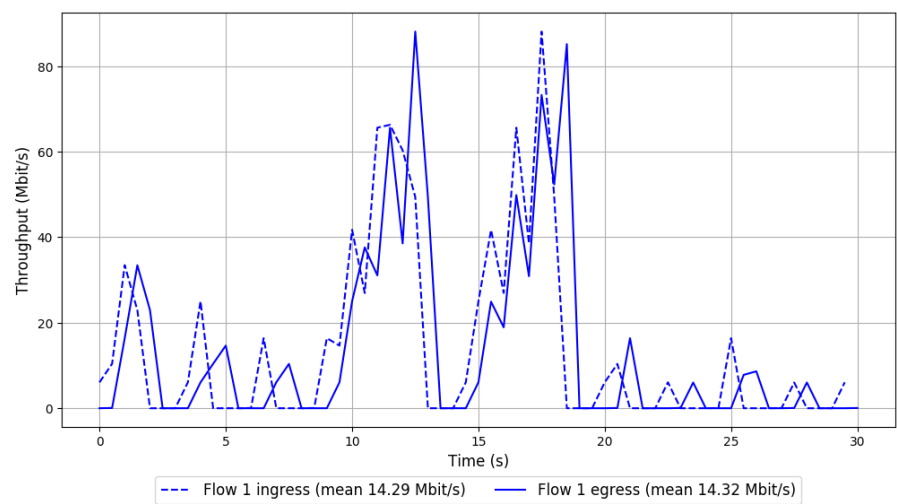


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 13:20:31
End at: 2018-05-24 13:21:01
Local clock offset: 0.33 ms
Remote clock offset: -0.569 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 117.578 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 117.578 ms
Loss rate: 0.70%

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



Run 8: Statistics of TaoVA-100x

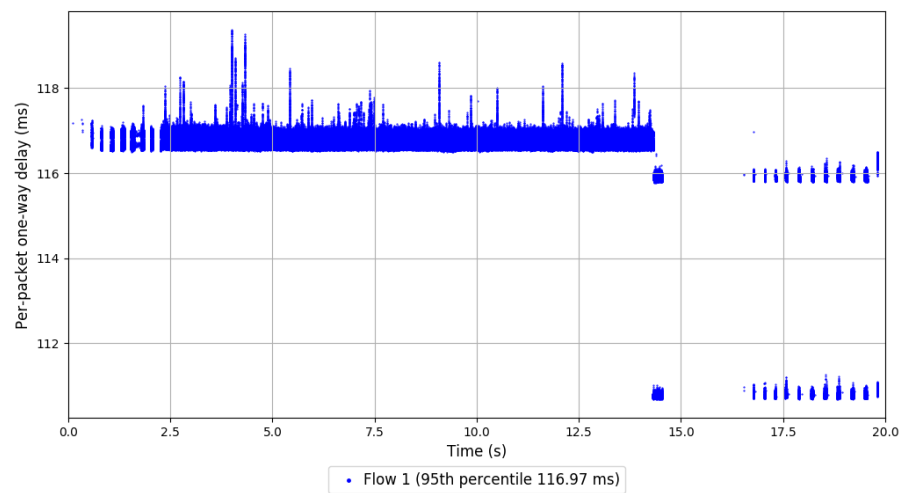
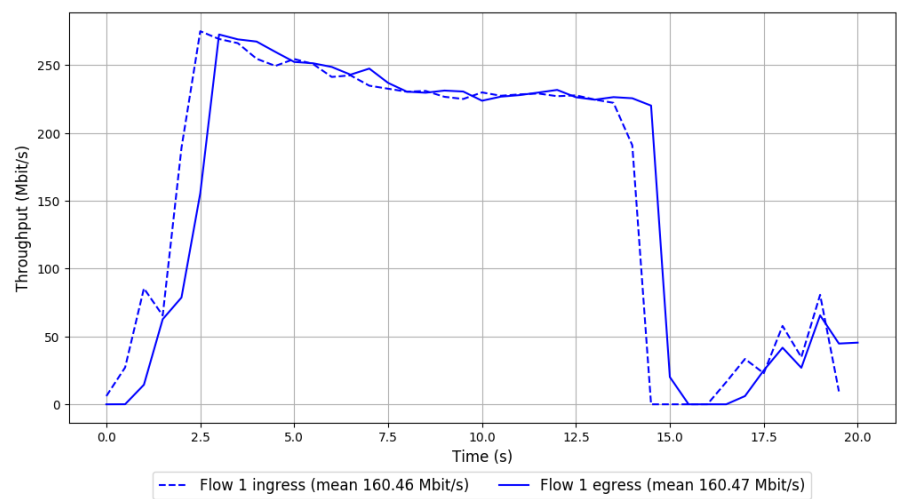
Start at: 2018-05-24 13:41:06

End at: 2018-05-24 13:41:36

Local clock offset: 0.192 ms

Remote clock offset: -0.224 ms

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 14:01:40

End at: 2018-05-24 14:02:10

Local clock offset: -0.288 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.48 Mbit/s

95th percentile per-packet one-way delay: 116.282 ms

Loss rate: 0.65%

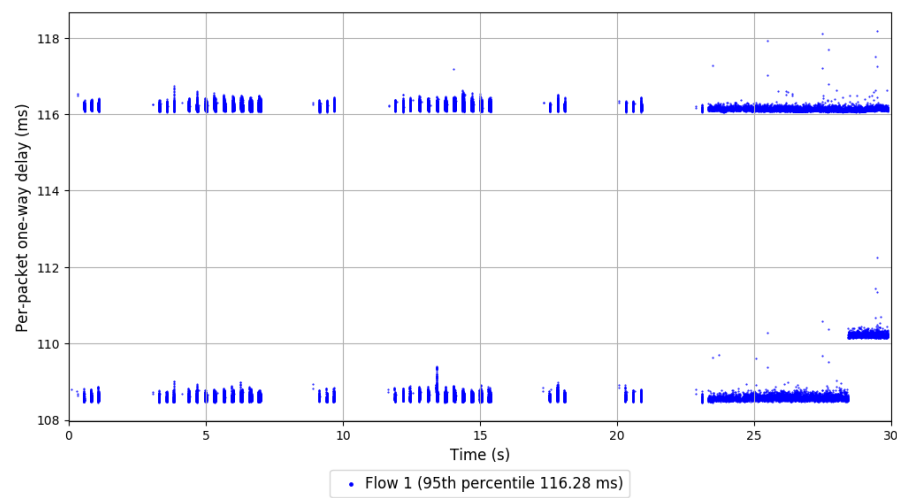
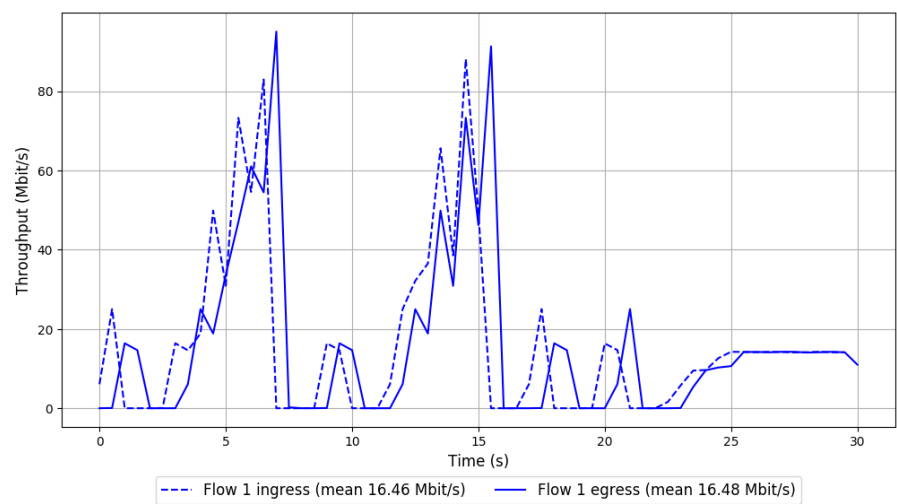
-- Flow 1:

Average throughput: 16.48 Mbit/s

95th percentile per-packet one-way delay: 116.282 ms

Loss rate: 0.65%

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



Run 10: Statistics of TaoVA-100x

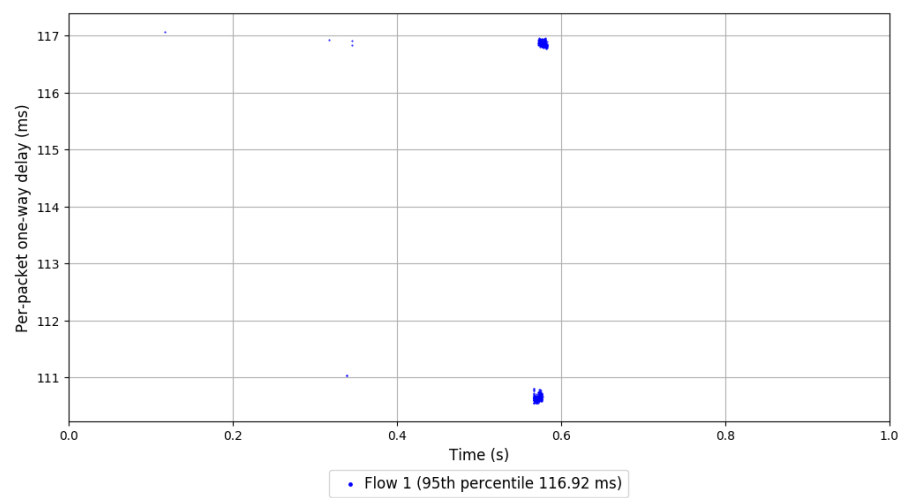
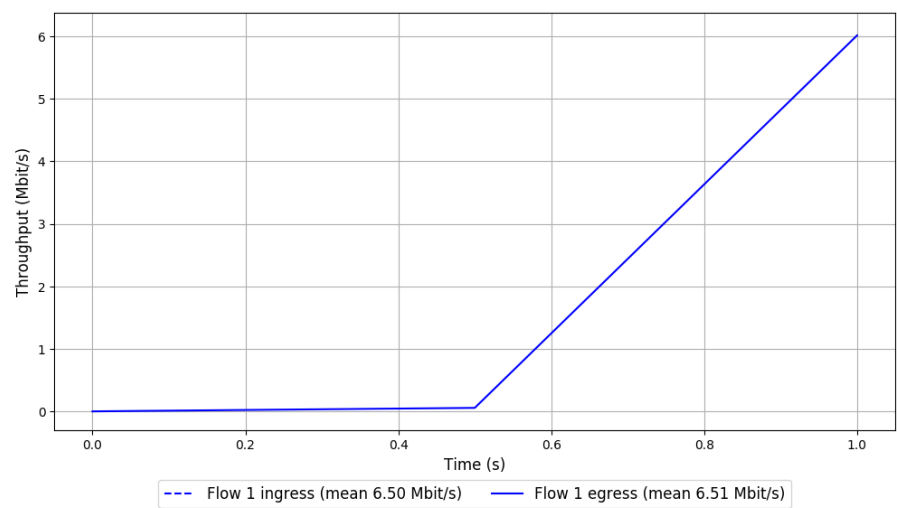
Start at: 2018-05-24 14:21:57

End at: 2018-05-24 14:22:27

Local clock offset: 0.115 ms

Remote clock offset: -0.219 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 11:31:10

End at: 2018-05-24 11:31:40

Local clock offset: 0.377 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.29 Mbit/s

95th percentile per-packet one-way delay: 117.767 ms

Loss rate: 0.77%

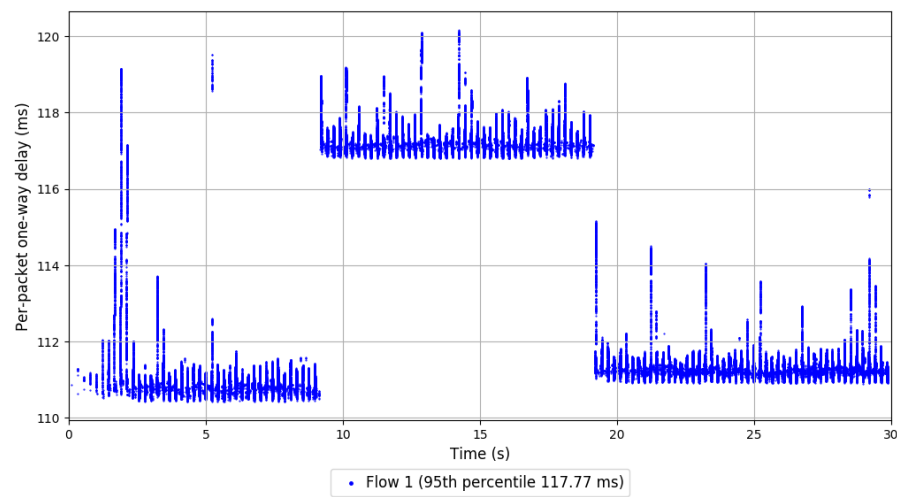
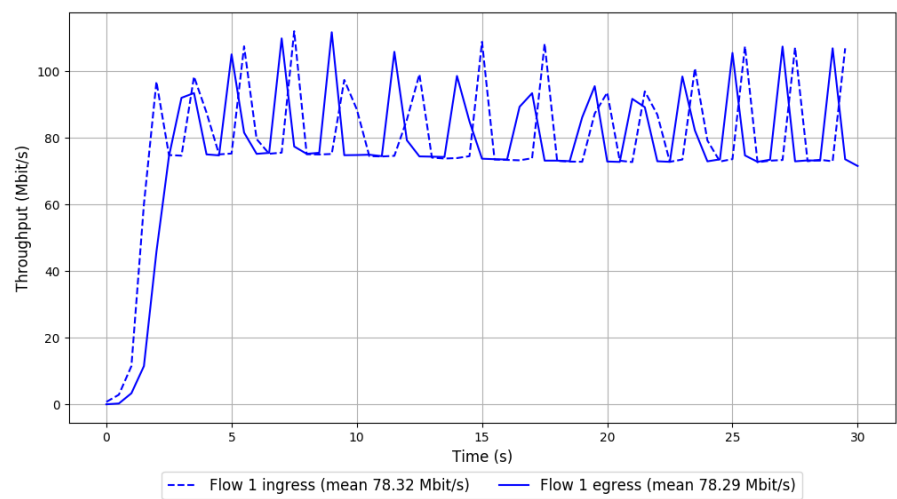
-- Flow 1:

Average throughput: 78.29 Mbit/s

95th percentile per-packet one-way delay: 117.767 ms

Loss rate: 0.77%

Run 1: Report of TCP Vegas — Data Link

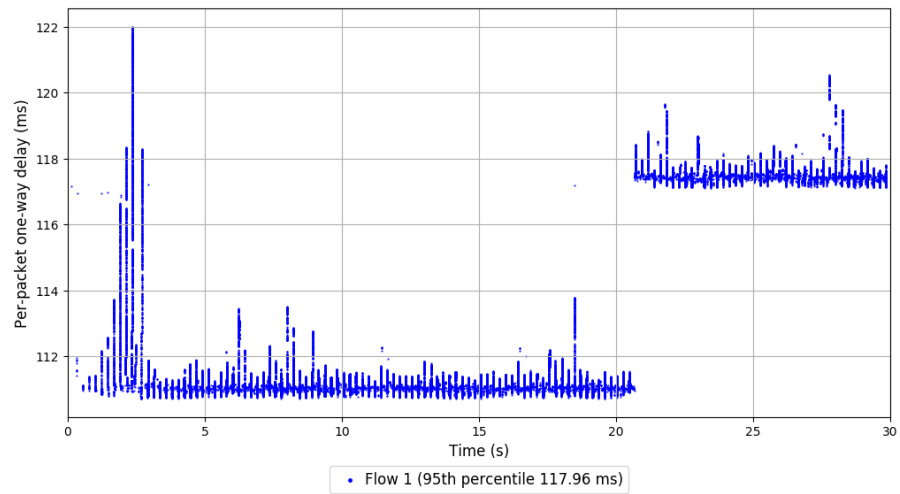
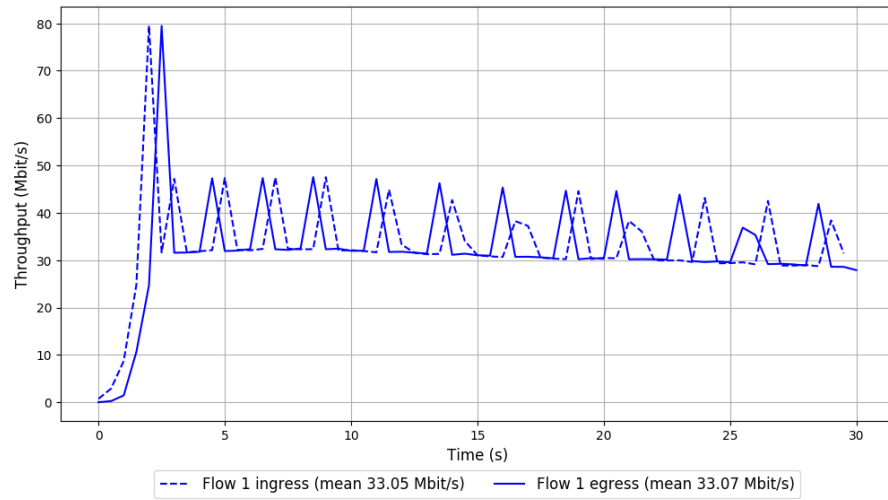


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 11:51:58
End at: 2018-05-24 11:52:28
Local clock offset: 0.326 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 117.958 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 117.958 ms
Loss rate: 0.71%

Run 2: Report of TCP Vegas — Data Link

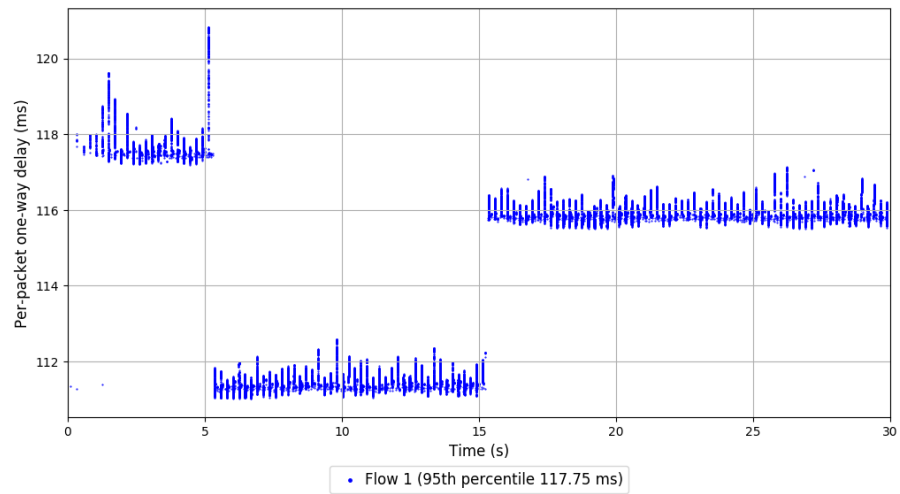
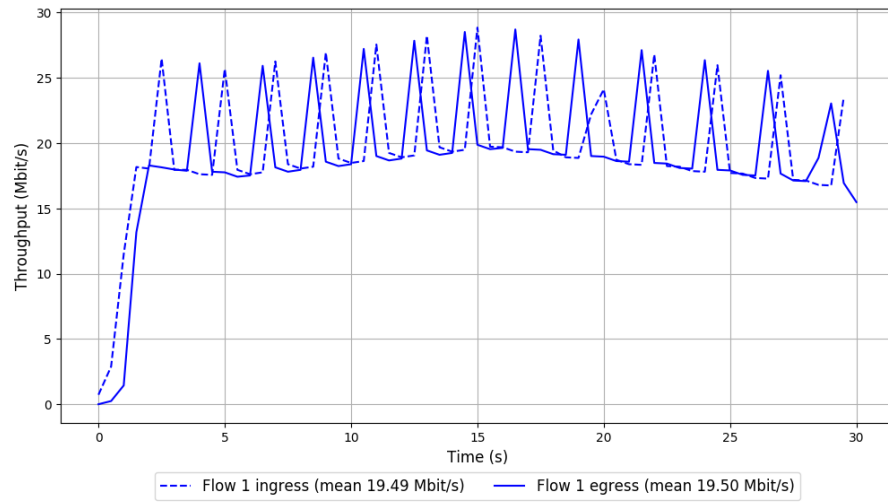


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 12:12:43
End at: 2018-05-24 12:13:13
Local clock offset: 0.038 ms
Remote clock offset: -0.564 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 117.745 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 117.745 ms
Loss rate: 0.69%

Run 3: Report of TCP Vegas — Data Link

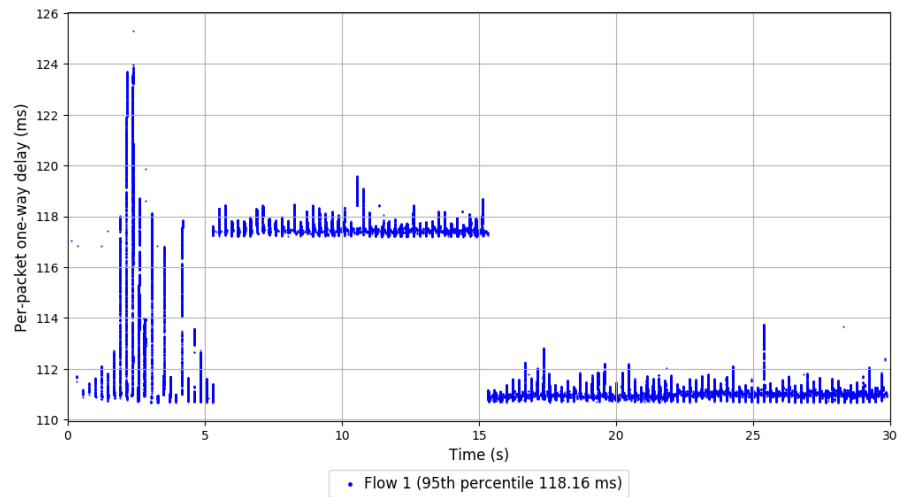
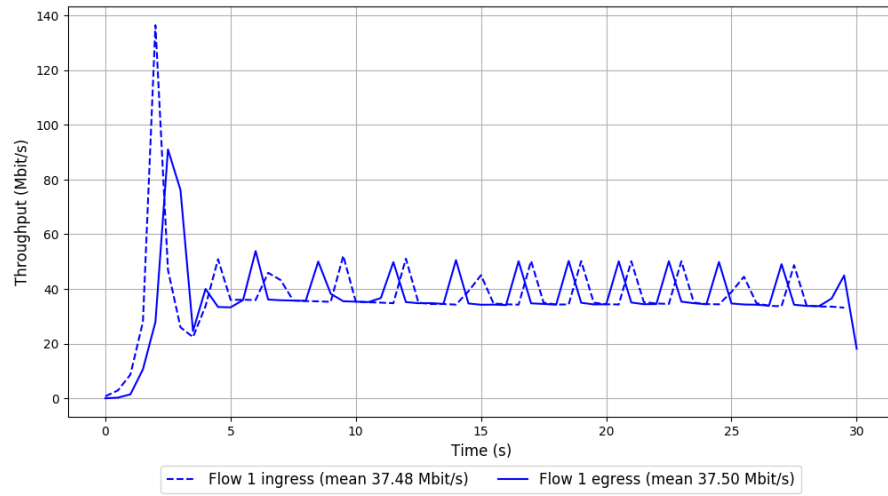


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 12:33:13
End at: 2018-05-24 12:33:43
Local clock offset: 0.277 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 118.157 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 118.157 ms
Loss rate: 0.73%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 12:53:57

End at: 2018-05-24 12:54:27

Local clock offset: 0.291 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 118.910 ms

Loss rate: 0.79%

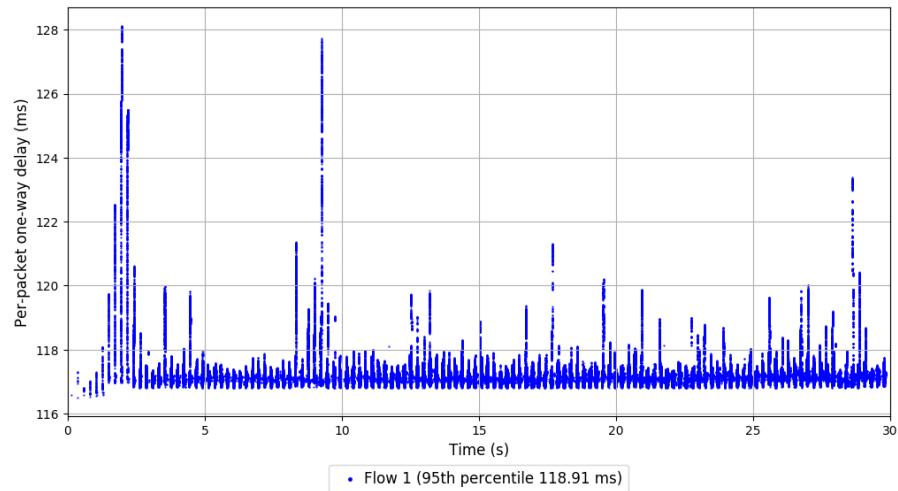
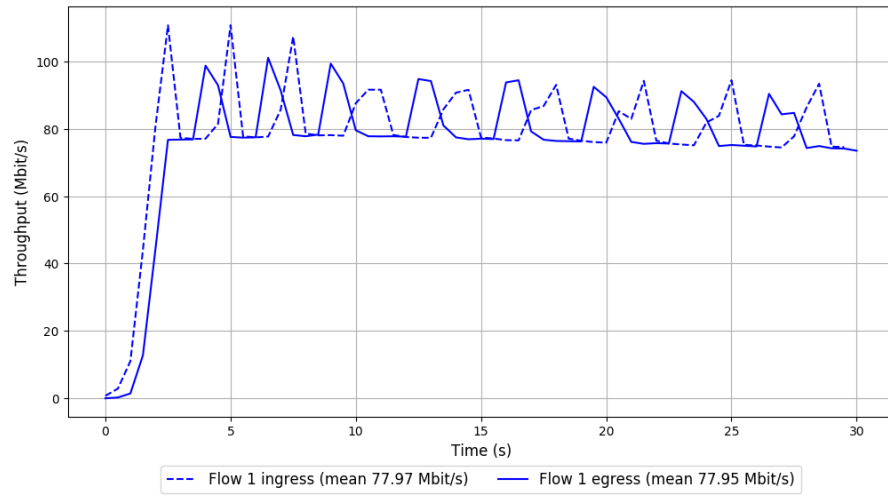
-- Flow 1:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 118.910 ms

Loss rate: 0.79%

Run 5: Report of TCP Vegas — Data Link

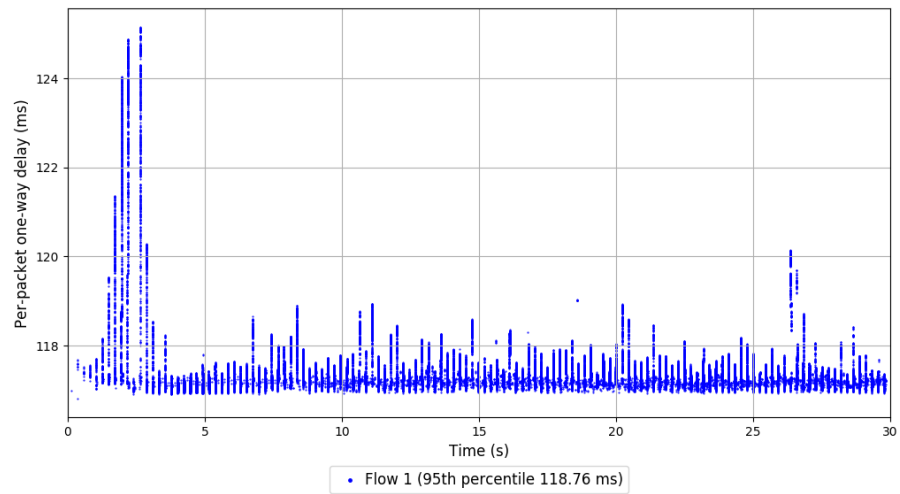
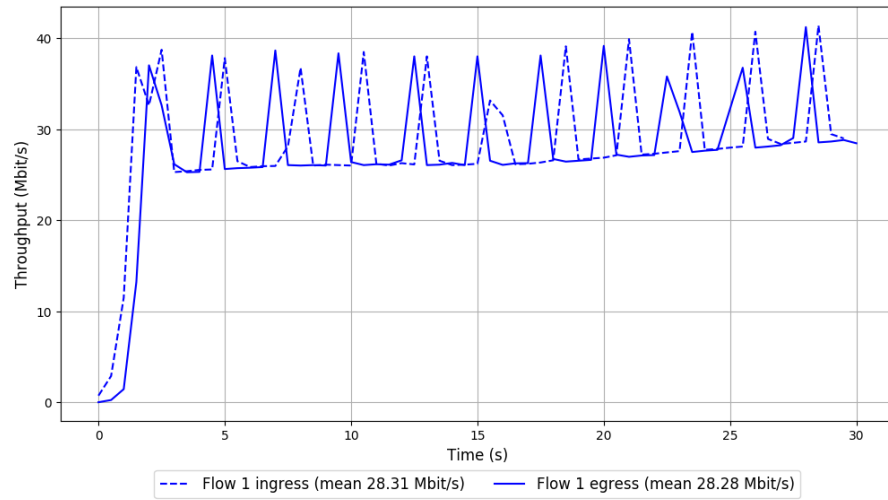


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 13:14:29
End at: 2018-05-24 13:14:59
Local clock offset: 0.256 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 118.759 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 118.759 ms
Loss rate: 0.85%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 13:34:52

End at: 2018-05-24 13:35:22

Local clock offset: 0.278 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.68 Mbit/s

95th percentile per-packet one-way delay: 123.151 ms

Loss rate: 0.84%

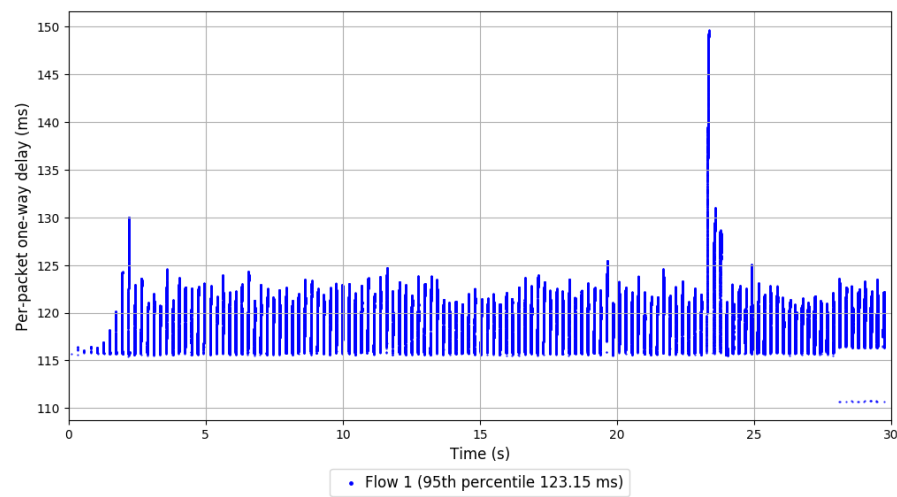
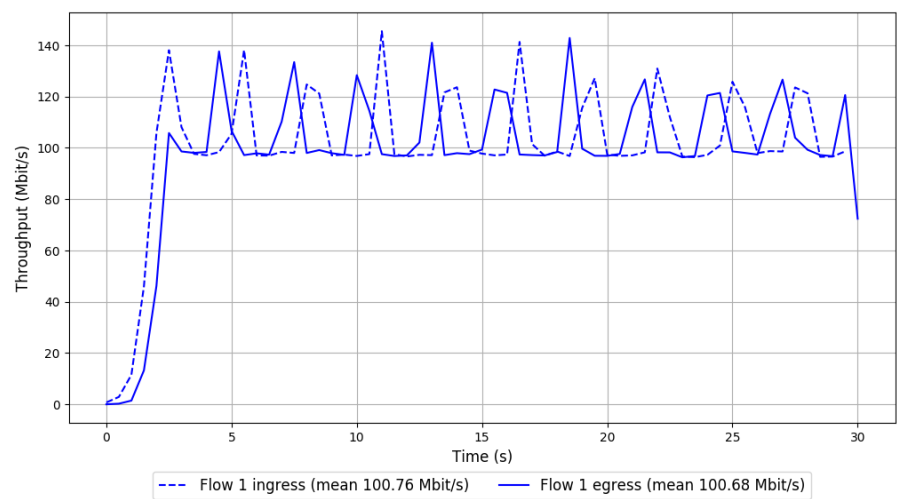
-- Flow 1:

Average throughput: 100.68 Mbit/s

95th percentile per-packet one-way delay: 123.151 ms

Loss rate: 0.84%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 13:55:39

End at: 2018-05-24 13:56:09

Local clock offset: -0.208 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-05-24 15:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 117.360 ms

Loss rate: 0.61%

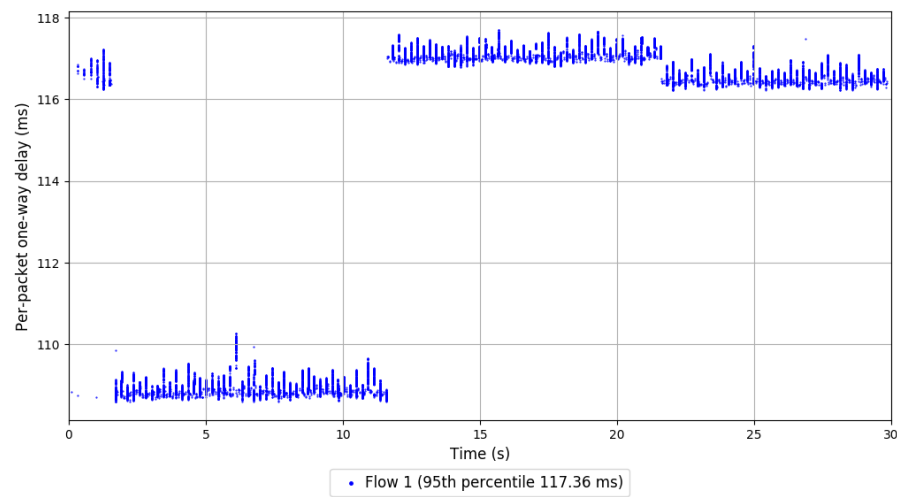
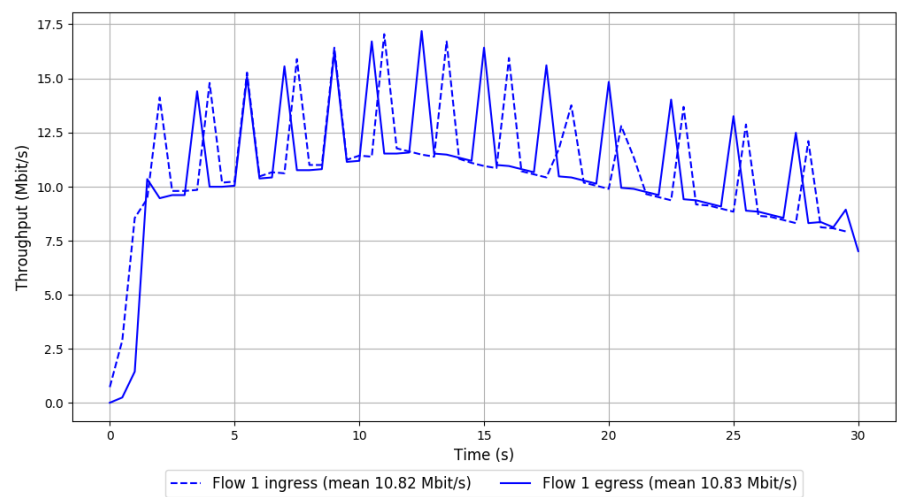
-- Flow 1:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 117.360 ms

Loss rate: 0.61%

Run 8: Report of TCP Vegas — Data Link

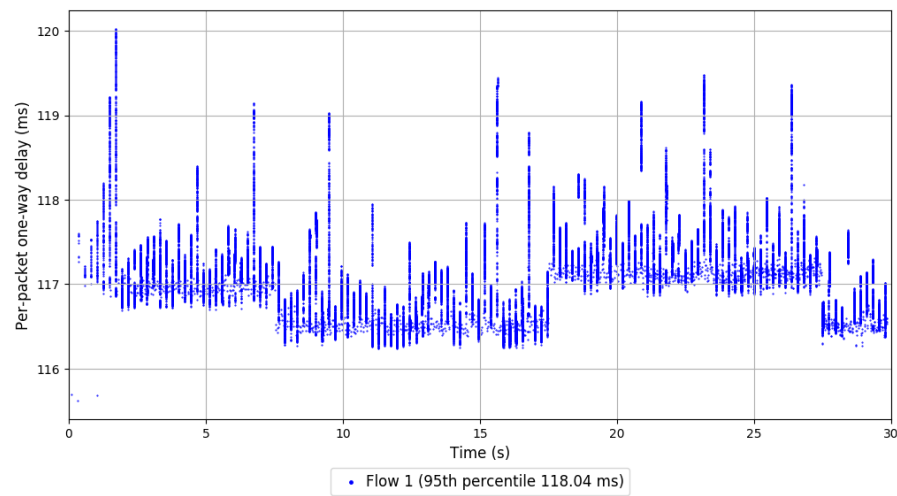
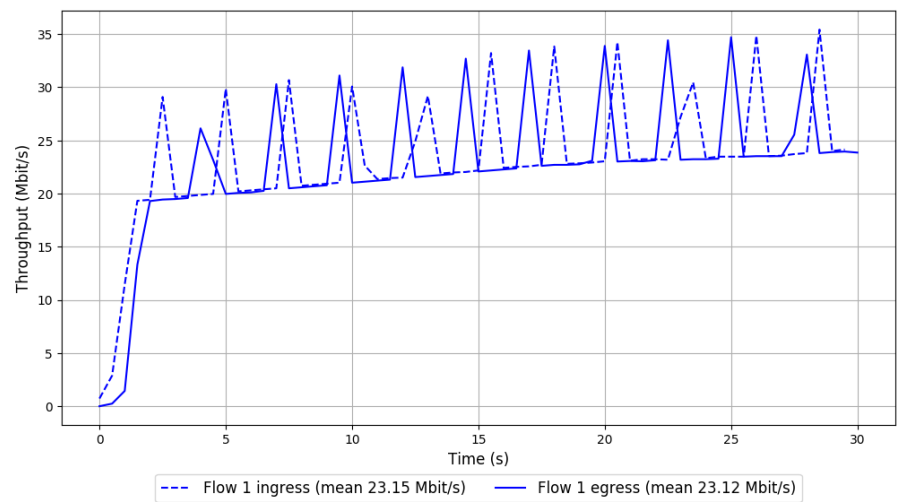


Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 14:15:53
End at: 2018-05-24 14:16:23
Local clock offset: -0.137 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 118.039 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 118.039 ms
Loss rate: 0.87%

Run 9: Report of TCP Vegas — Data Link

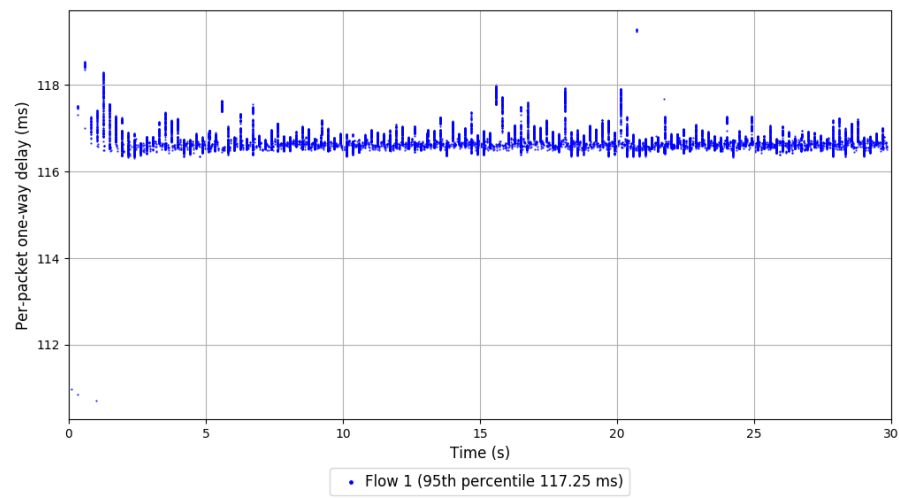
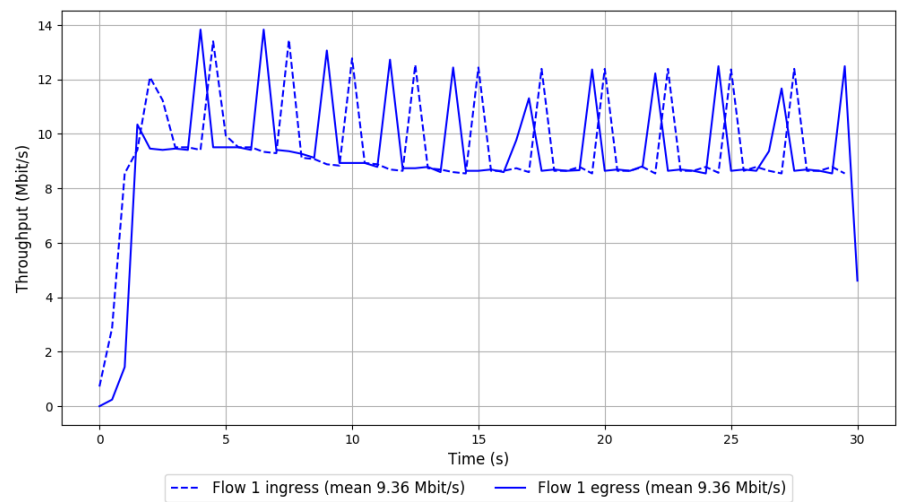


Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 14:36:10
End at: 2018-05-24 14:36:40
Local clock offset: -0.005 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-05-24 15:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 117.245 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 117.245 ms
Loss rate: 0.76%

Run 10: Report of TCP Vegas — Data Link

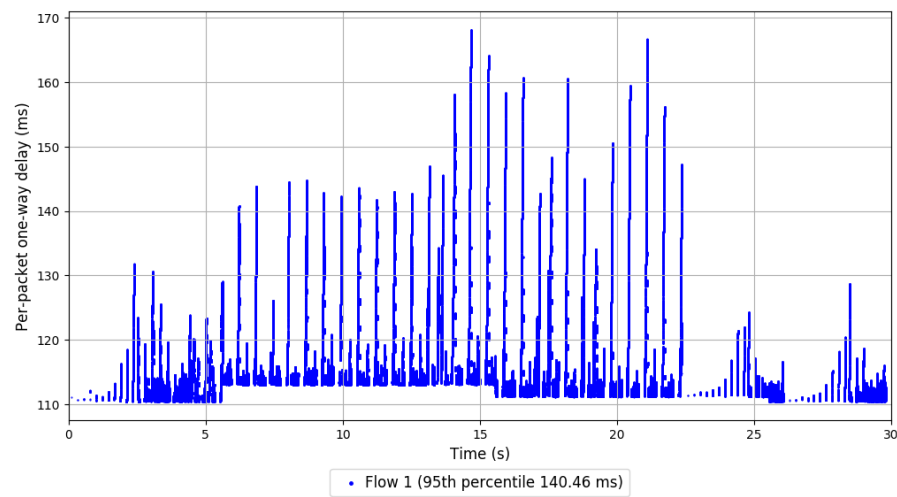
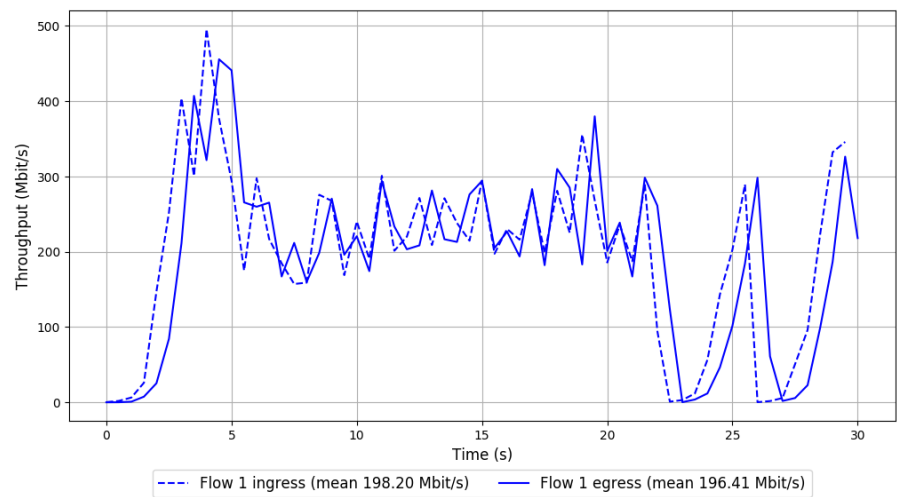


Run 1: Statistics of Verus

Start at: 2018-05-24 11:13:13
End at: 2018-05-24 11:13:43
Local clock offset: 0.185 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-05-24 15:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.41 Mbit/s
95th percentile per-packet one-way delay: 140.456 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 196.41 Mbit/s
95th percentile per-packet one-way delay: 140.456 ms
Loss rate: 1.65%

Run 1: Report of Verus — Data Link

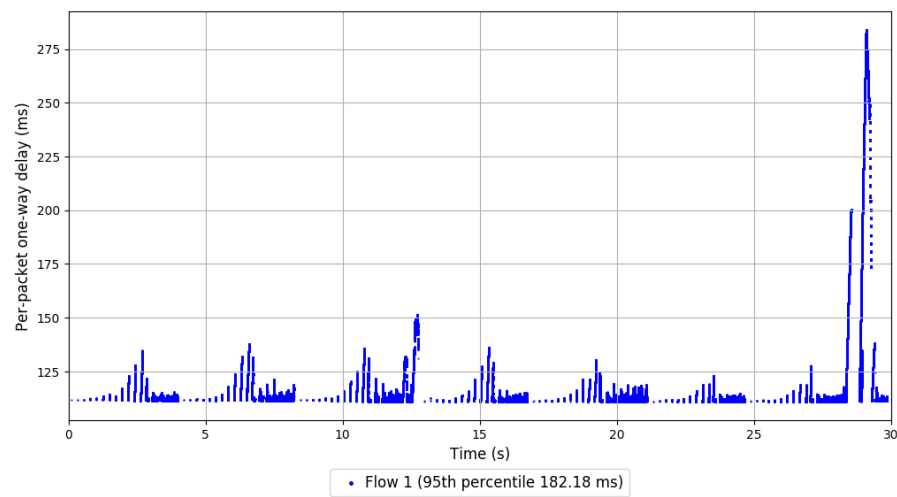
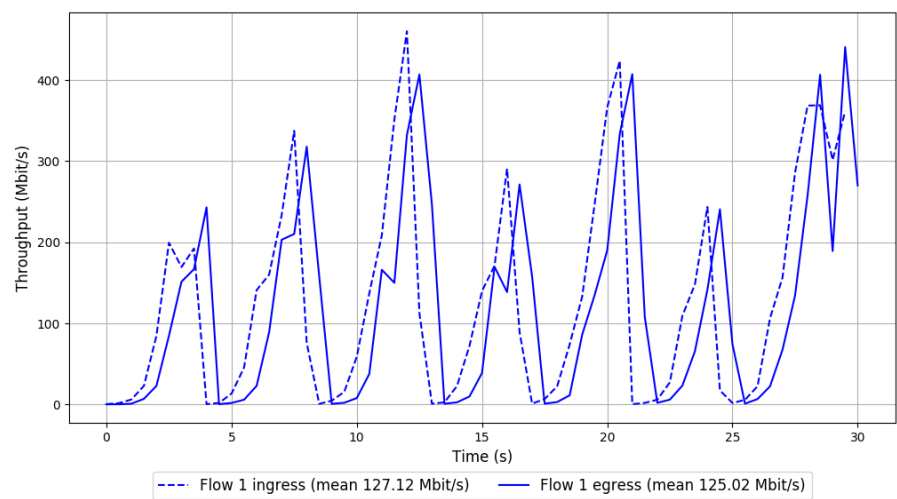


Run 2: Statistics of Verus

Start at: 2018-05-24 11:33:29
End at: 2018-05-24 11:33:59
Local clock offset: 0.407 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-05-24 15:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.02 Mbit/s
95th percentile per-packet one-way delay: 182.175 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 125.02 Mbit/s
95th percentile per-packet one-way delay: 182.175 ms
Loss rate: 2.40%

Run 2: Report of Verus — Data Link

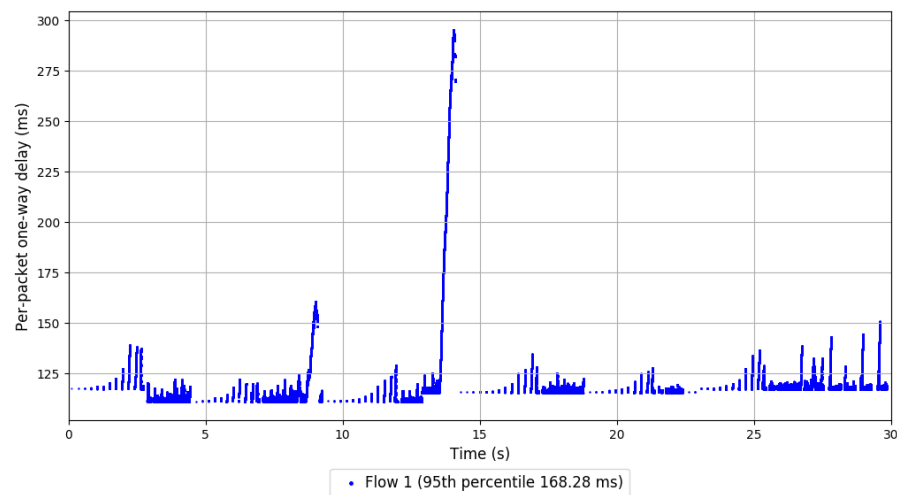
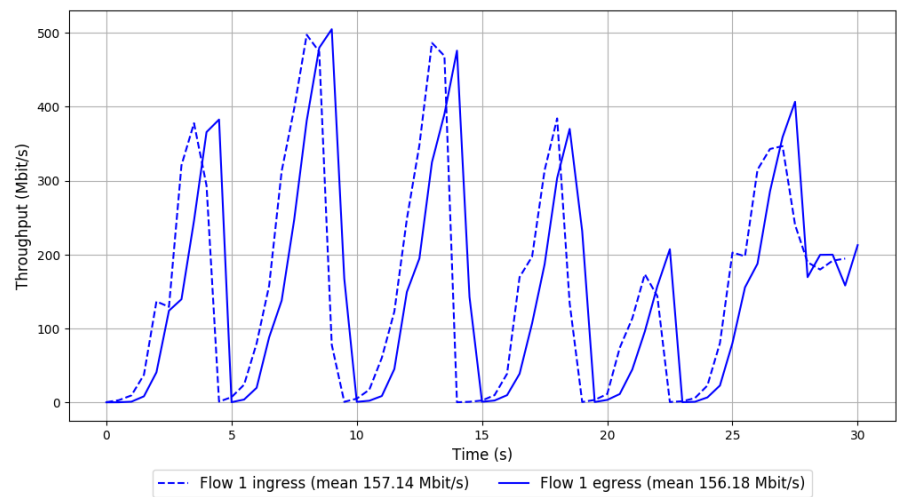


Run 3: Statistics of Verus

Start at: 2018-05-24 11:54:16
End at: 2018-05-24 11:54:46
Local clock offset: 0.266 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-05-24 15:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.18 Mbit/s
95th percentile per-packet one-way delay: 168.280 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 156.18 Mbit/s
95th percentile per-packet one-way delay: 168.280 ms
Loss rate: 0.96%

Run 3: Report of Verus — Data Link

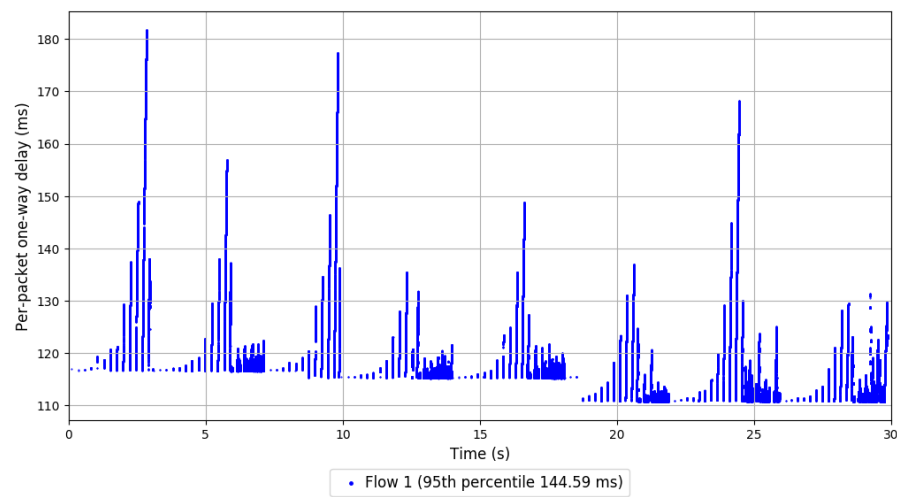
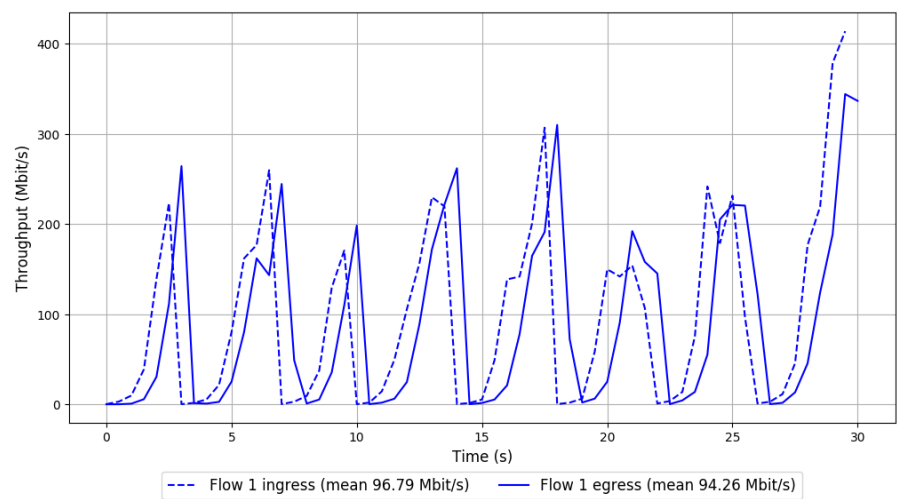


Run 4: Statistics of Verus

Start at: 2018-05-24 12:15:00
End at: 2018-05-24 12:15:30
Local clock offset: 0.063 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-05-24 15:35:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 144.593 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 144.593 ms
Loss rate: 3.36%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-24 12:35:31

End at: 2018-05-24 12:36:01

Local clock offset: -0.135 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2018-05-24 15:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.51 Mbit/s

95th percentile per-packet one-way delay: 142.293 ms

Loss rate: 1.60%

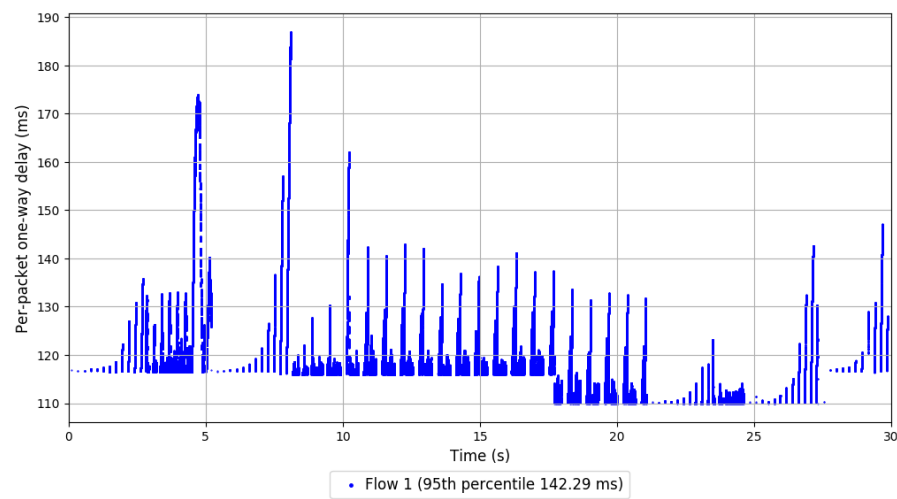
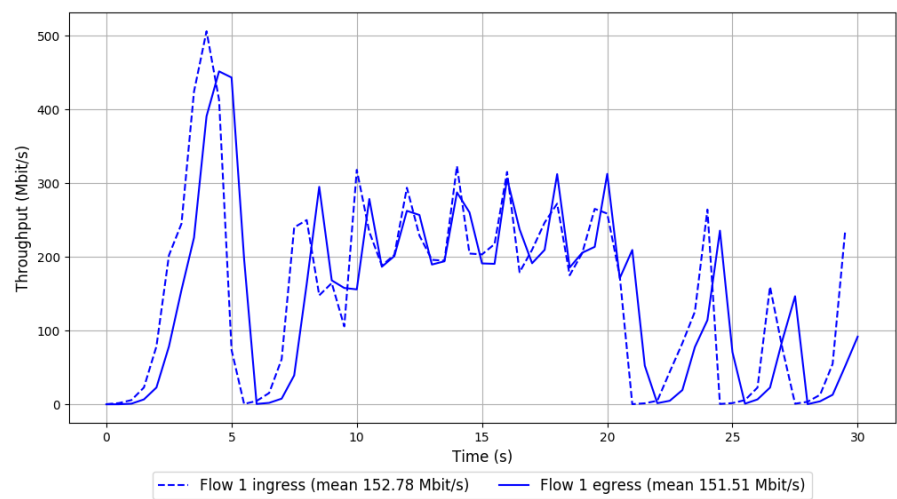
-- Flow 1:

Average throughput: 151.51 Mbit/s

95th percentile per-packet one-way delay: 142.293 ms

Loss rate: 1.60%

Run 5: Report of Verus — Data Link

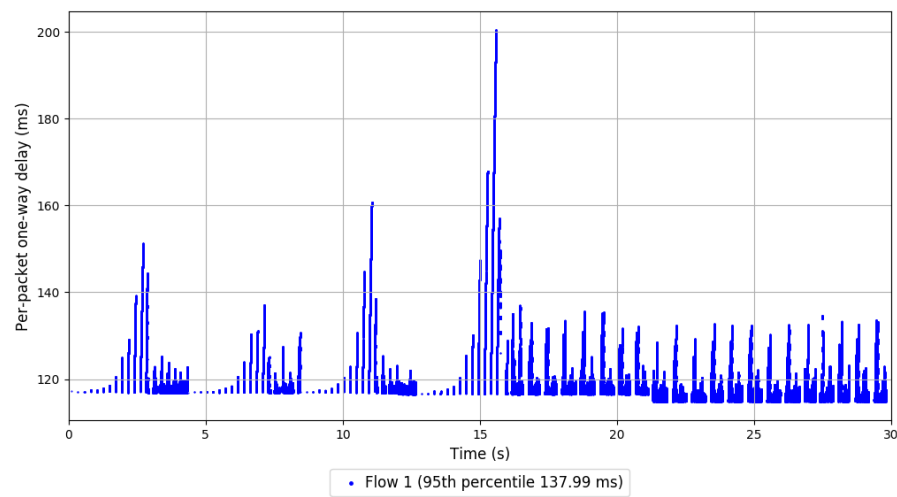
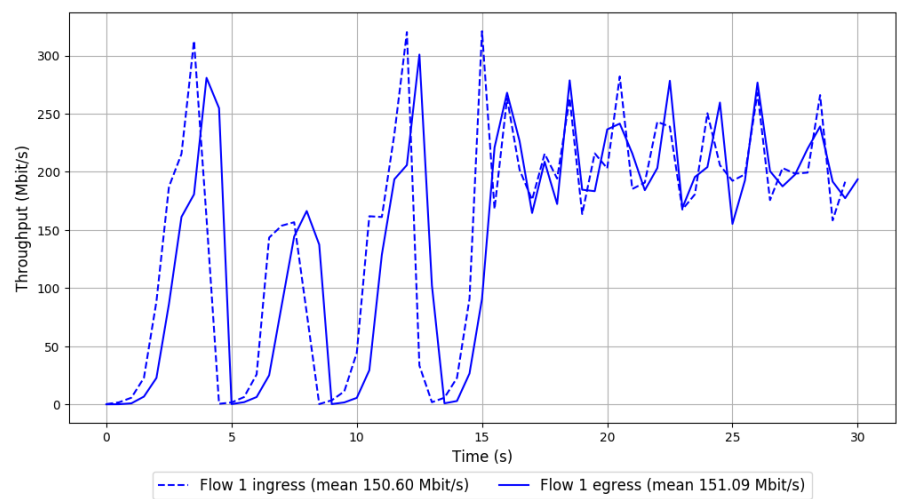


Run 6: Statistics of Verus

Start at: 2018-05-24 12:56:17
End at: 2018-05-24 12:56:47
Local clock offset: 0.049 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-05-24 15:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 137.988 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 137.988 ms
Loss rate: 0.59%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-24 13:16:47

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

Local clock offset: 0.215 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-05-24 15:37:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.32 Mbit/s

95th percentile per-packet one-way delay: 213.065 ms

Loss rate: 0.15%

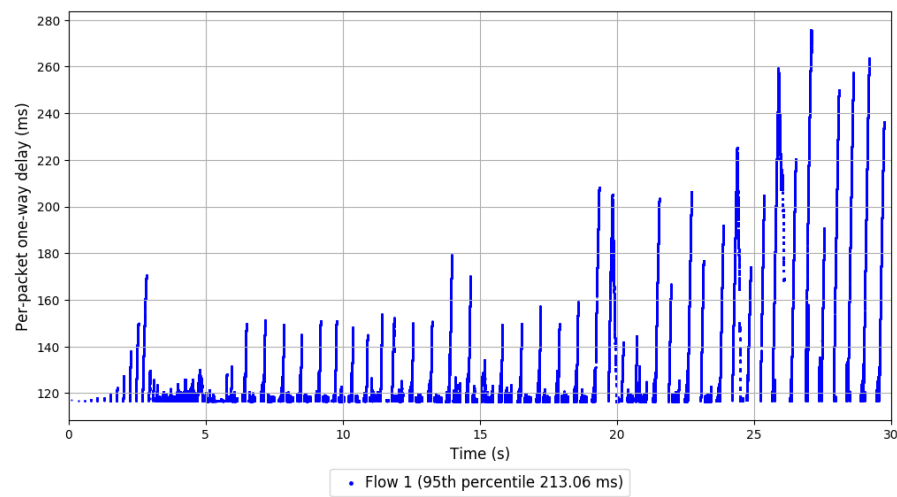
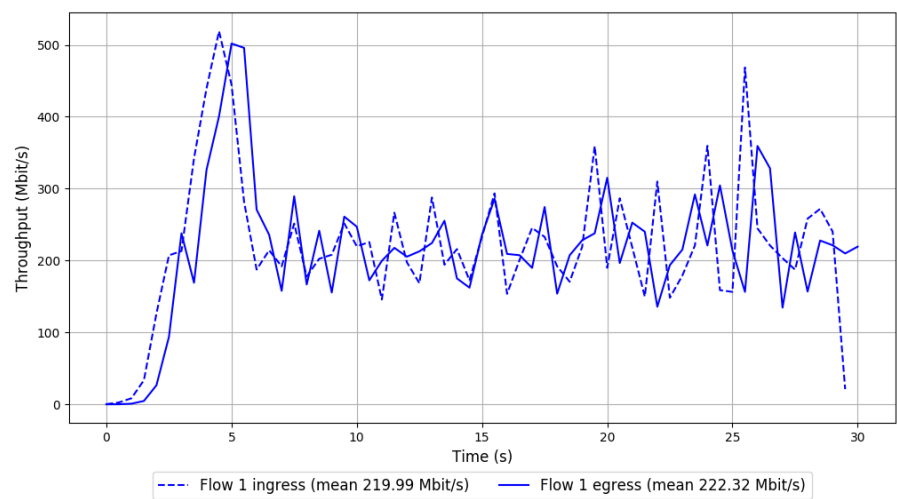
-- Flow 1:

Average throughput: 222.32 Mbit/s

95th percentile per-packet one-way delay: 213.065 ms

Loss rate: 0.15%

Run 7: Report of Verus — Data Link

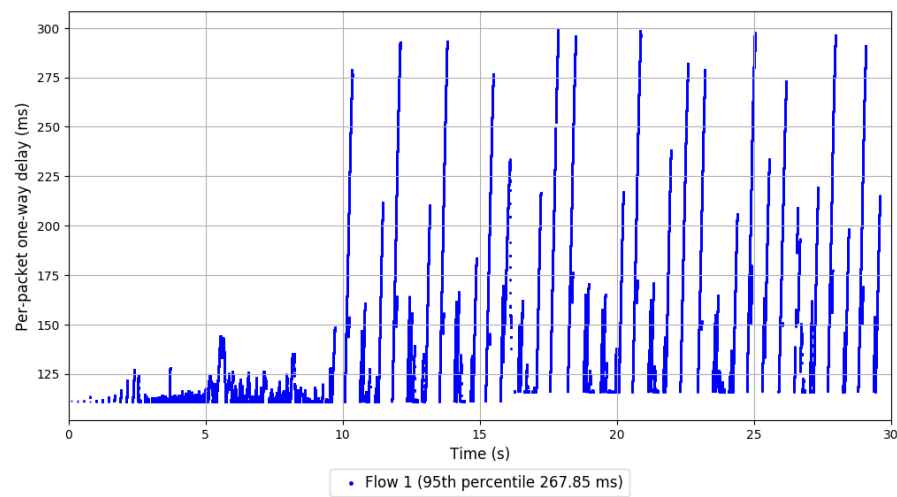
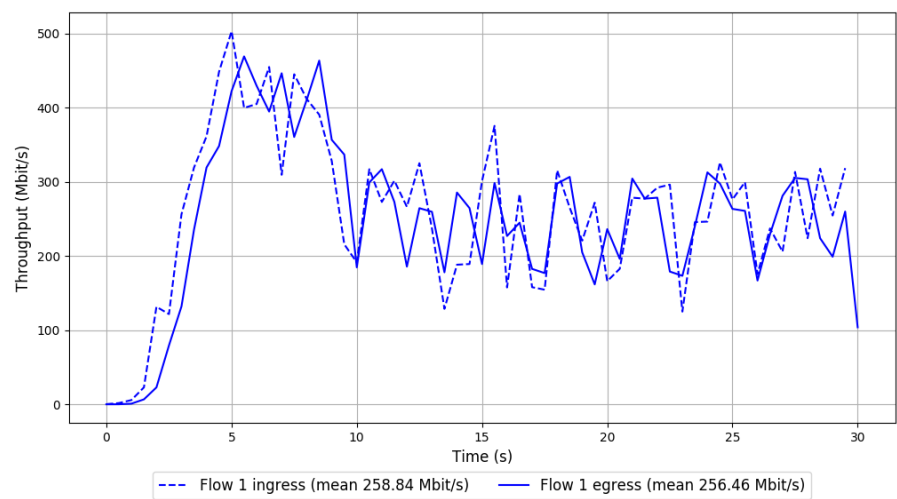


Run 8: Statistics of Verus

Start at: 2018-05-24 13:37:14
End at: 2018-05-24 13:37:44
Local clock offset: 0.172 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-05-24 15:38:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.46 Mbit/s
95th percentile per-packet one-way delay: 267.854 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 256.46 Mbit/s
95th percentile per-packet one-way delay: 267.854 ms
Loss rate: 2.47%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-24 13:57:55

End at: 2018-05-24 13:58:25

Local clock offset: 0.283 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-05-24 15:38:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.15 Mbit/s

95th percentile per-packet one-way delay: 130.140 ms

Loss rate: 0.45%

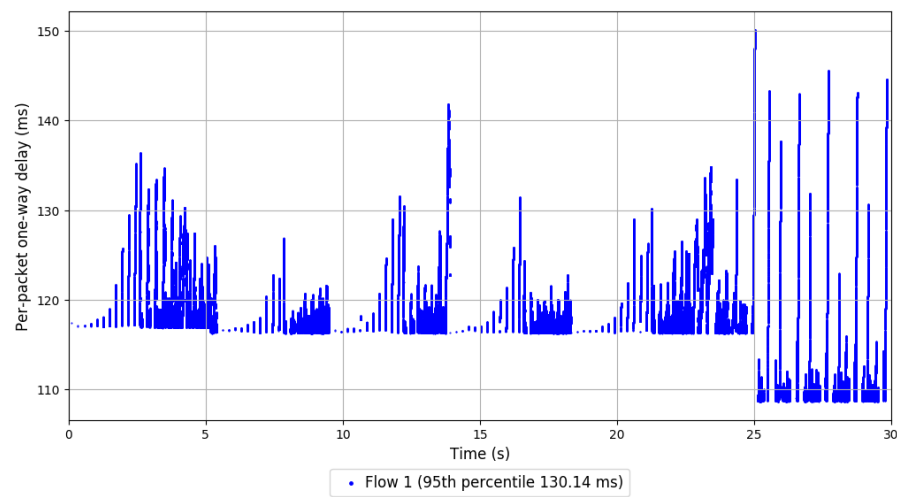
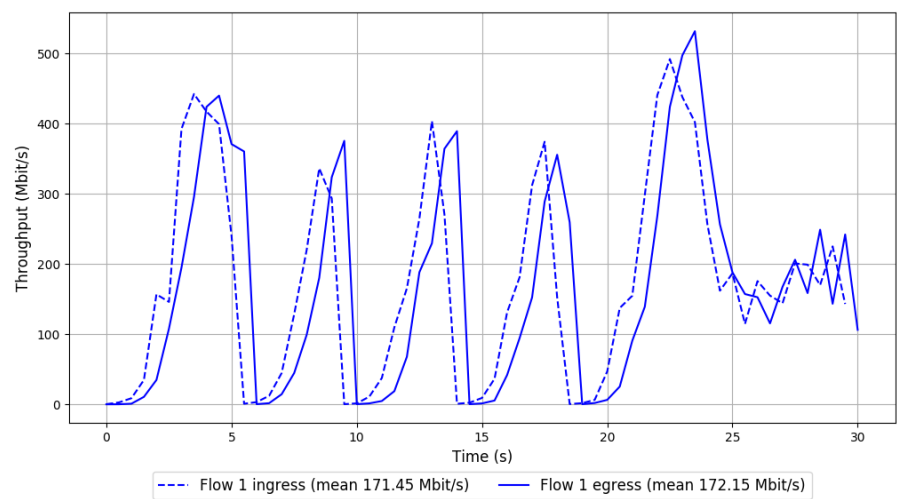
-- Flow 1:

Average throughput: 172.15 Mbit/s

95th percentile per-packet one-way delay: 130.140 ms

Loss rate: 0.45%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-24 14:18:10

End at: 2018-05-24 14:18:40

Local clock offset: -0.098 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-05-24 15:38:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.06 Mbit/s

95th percentile per-packet one-way delay: 172.019 ms

Loss rate: 0.00%

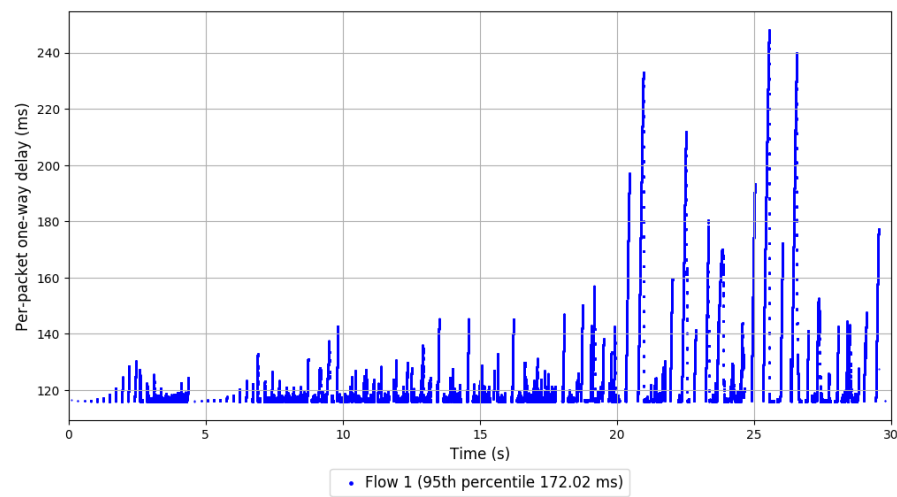
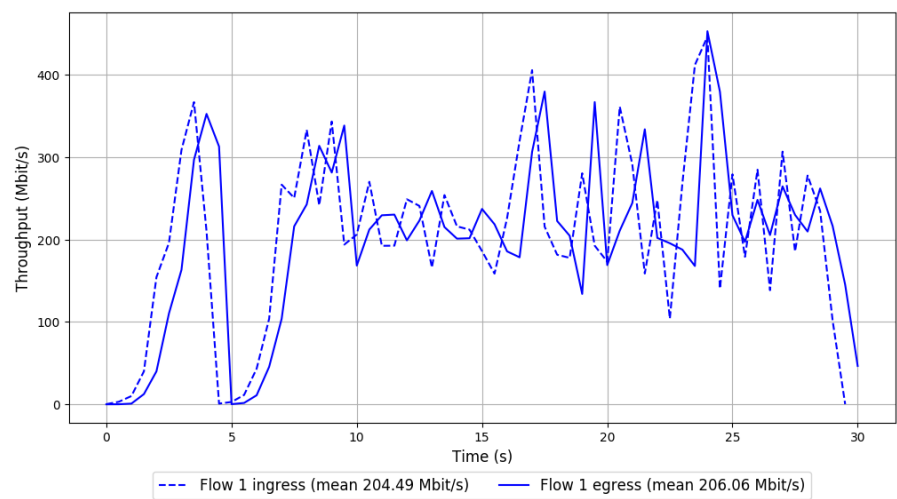
-- Flow 1:

Average throughput: 206.06 Mbit/s

95th percentile per-packet one-way delay: 172.019 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 11:28:26

End at: 2018-05-24 11:28:56

Local clock offset: 0.046 ms

Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-05-24 15:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.66 Mbit/s

95th percentile per-packet one-way delay: 113.594 ms

Loss rate: 0.89%

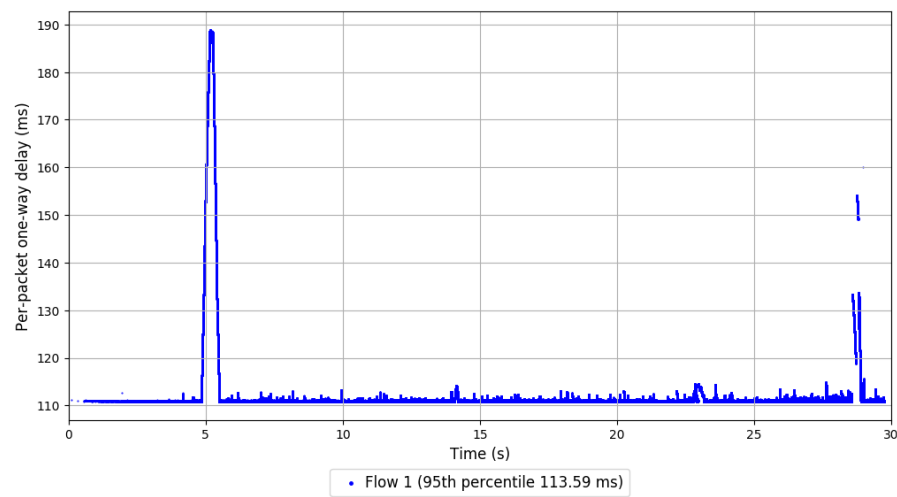
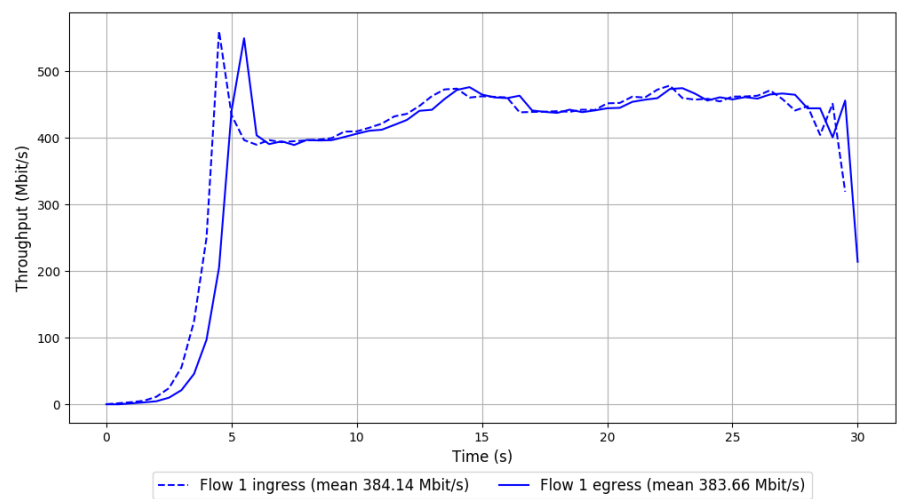
-- Flow 1:

Average throughput: 383.66 Mbit/s

95th percentile per-packet one-way delay: 113.594 ms

Loss rate: 0.89%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 11:49:16

End at: 2018-05-24 11:49:46

Local clock offset: 0.069 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-05-24 15:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.66 Mbit/s

95th percentile per-packet one-way delay: 110.457 ms

Loss rate: 0.58%

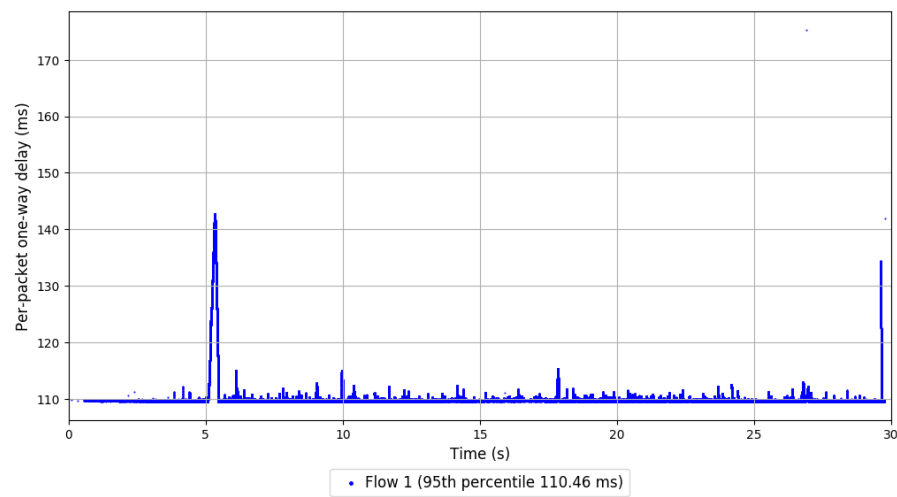
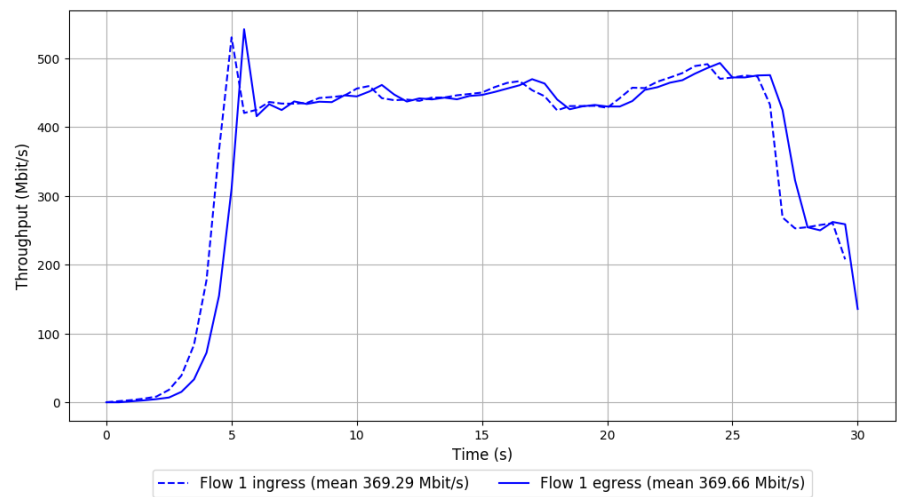
-- Flow 1:

Average throughput: 369.66 Mbit/s

95th percentile per-packet one-way delay: 110.457 ms

Loss rate: 0.58%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 12:10:04

End at: 2018-05-24 12:10:34

Local clock offset: 0.025 ms

Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-05-24 15:41:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.93 Mbit/s

95th percentile per-packet one-way delay: 226.639 ms

Loss rate: 2.10%

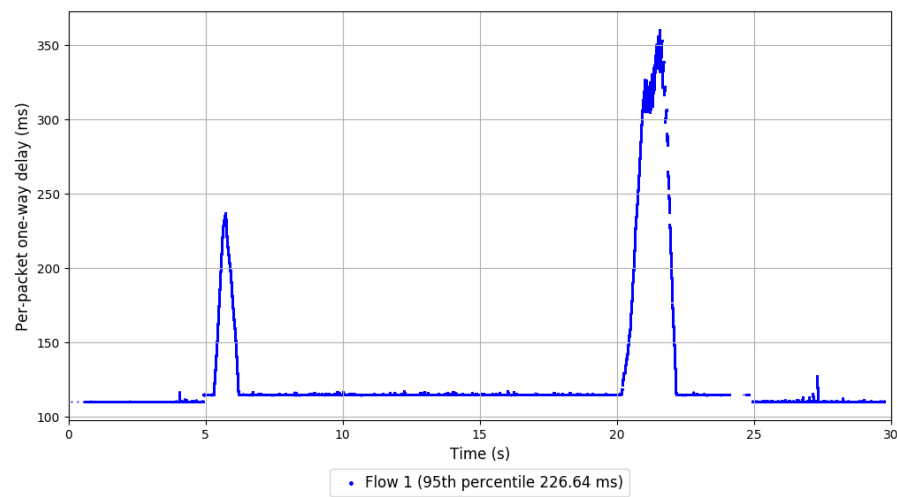
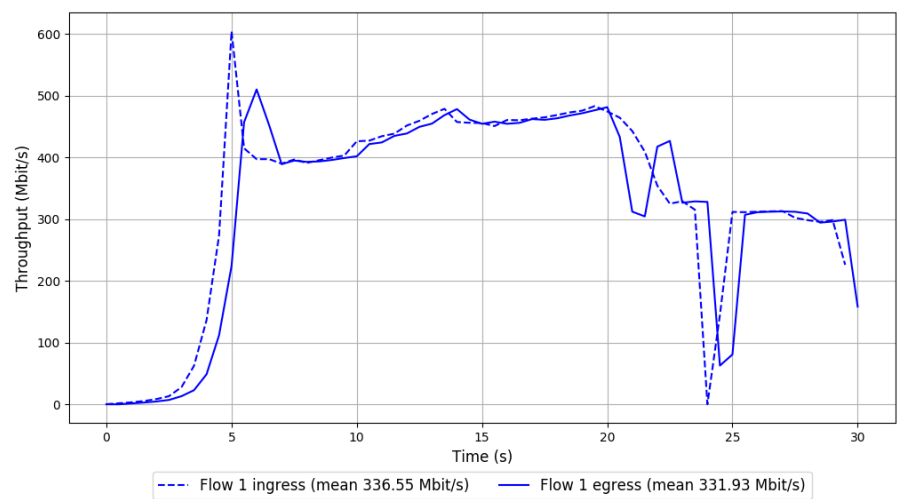
-- Flow 1:

Average throughput: 331.93 Mbit/s

95th percentile per-packet one-way delay: 226.639 ms

Loss rate: 2.10%

Run 3: Report of PCC-Vivace — Data Link

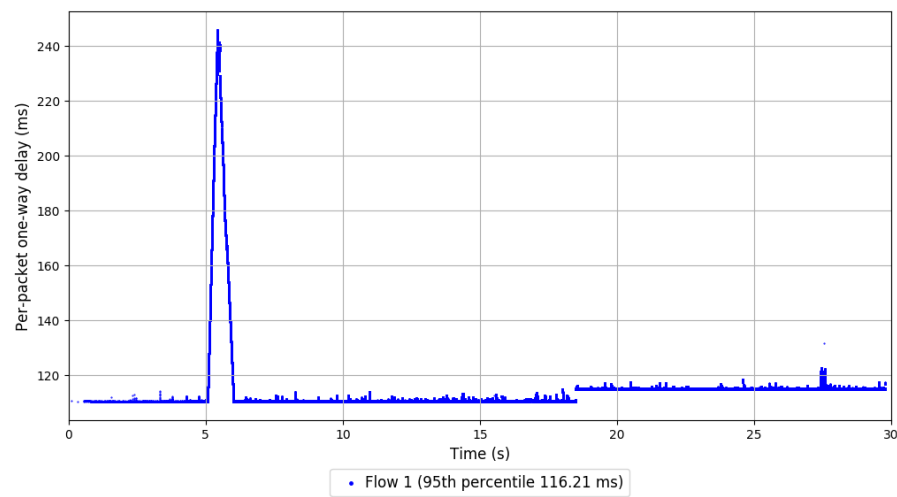
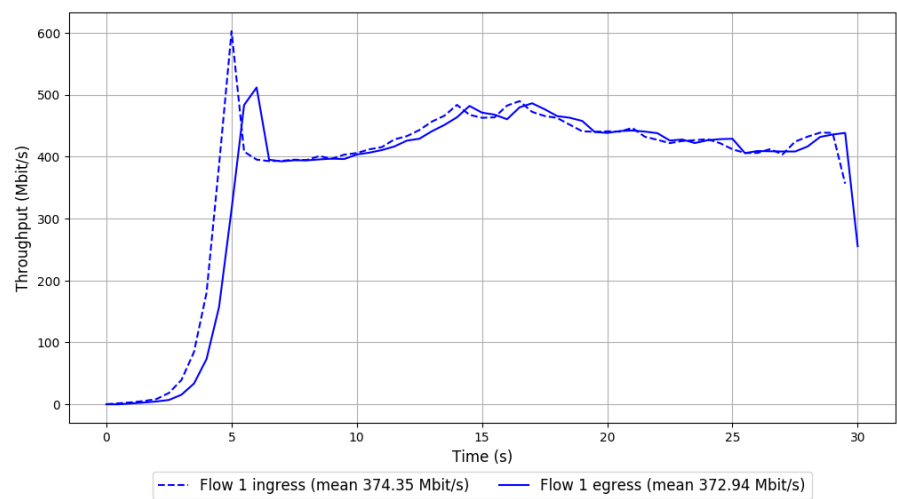


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 12:30:30
End at: 2018-05-24 12:31:00
Local clock offset: 0.103 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-05-24 15:42:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.94 Mbit/s
95th percentile per-packet one-way delay: 116.210 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 372.94 Mbit/s
95th percentile per-packet one-way delay: 116.210 ms
Loss rate: 1.11%

Run 4: Report of PCC-Vivace — Data Link

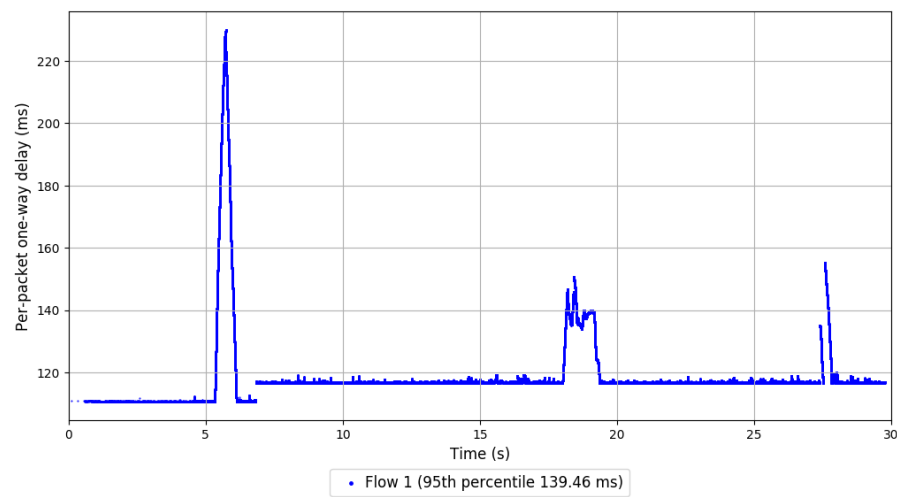
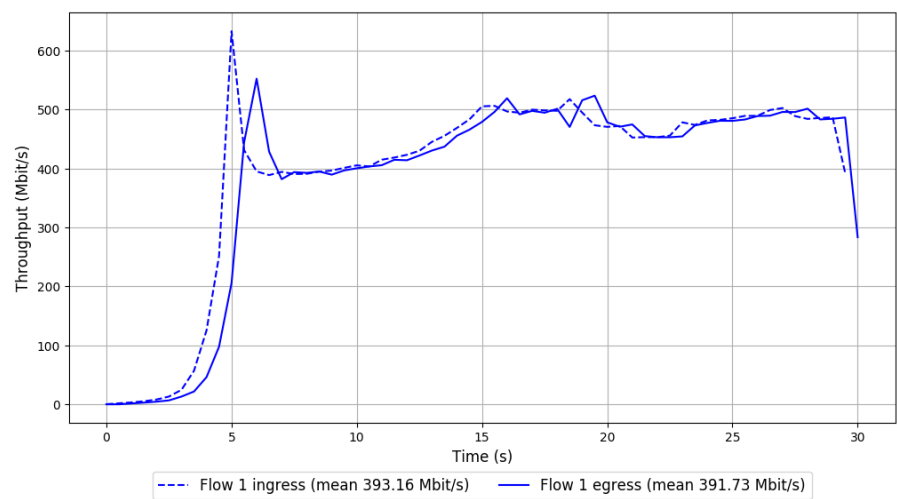


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 12:51:13
End at: 2018-05-24 12:51:43
Local clock offset: -0.122 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2018-05-24 15:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.73 Mbit/s
95th percentile per-packet one-way delay: 139.459 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 391.73 Mbit/s
95th percentile per-packet one-way delay: 139.459 ms
Loss rate: 1.11%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 13:11:45

End at: 2018-05-24 13:12:16

Local clock offset: 0.297 ms

Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-05-24 15:43:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.31 Mbit/s

95th percentile per-packet one-way delay: 133.543 ms

Loss rate: 0.86%

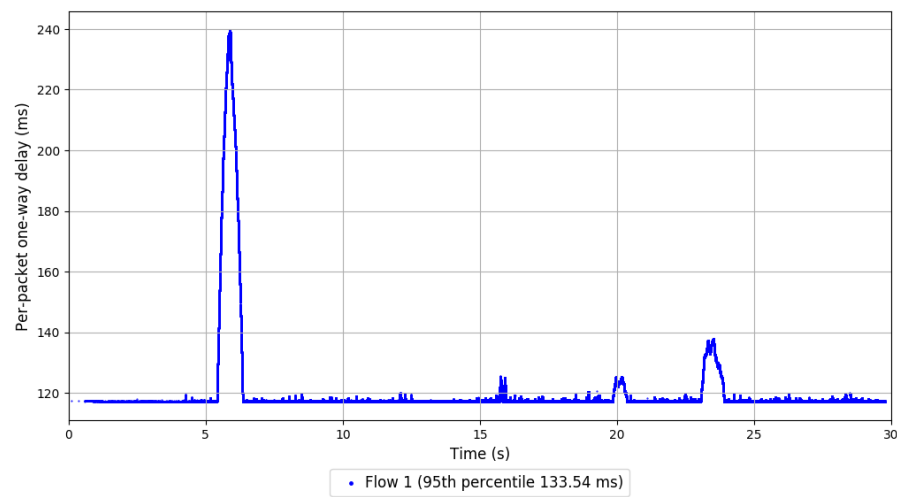
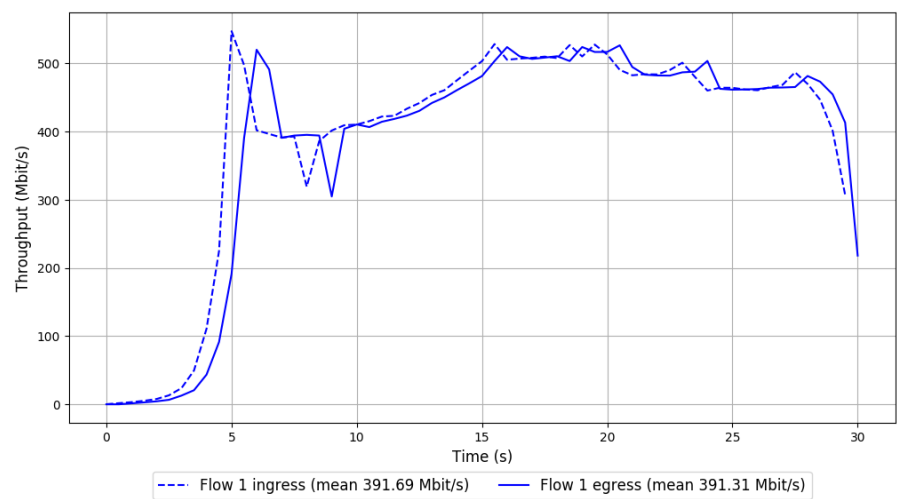
-- Flow 1:

Average throughput: 391.31 Mbit/s

95th percentile per-packet one-way delay: 133.543 ms

Loss rate: 0.86%

Run 6: Report of PCC-Vivace — Data Link

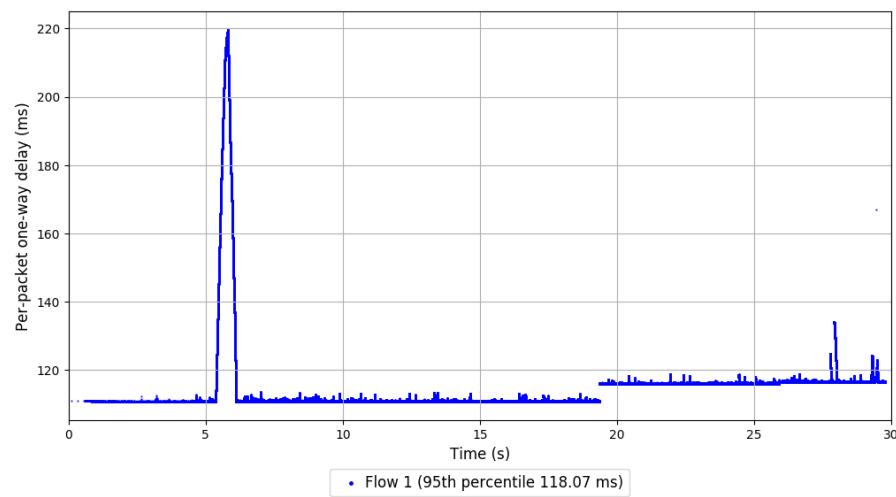
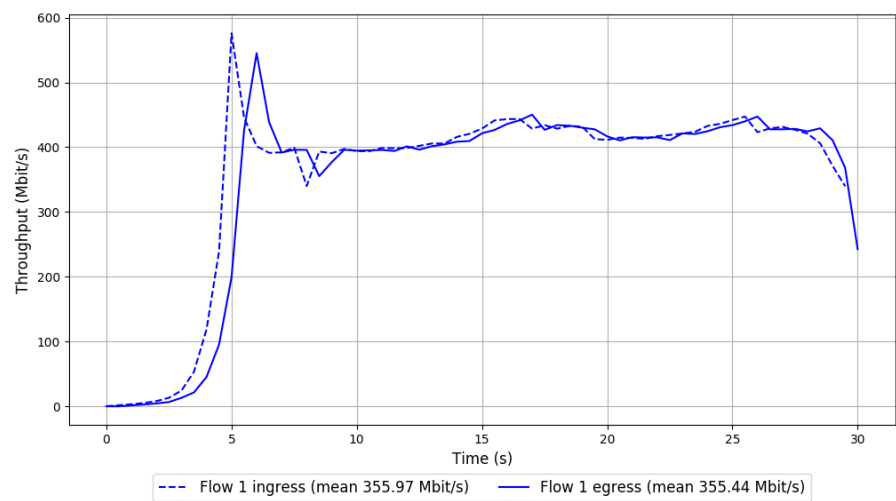


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 13:32:09
End at: 2018-05-24 13:32:39
Local clock offset: 0.074 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-05-24 15:44:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.44 Mbit/s
95th percentile per-packet one-way delay: 118.069 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 355.44 Mbit/s
95th percentile per-packet one-way delay: 118.069 ms
Loss rate: 0.91%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 13:52:56

End at: 2018-05-24 13:53:26

Local clock offset: 0.078 ms

Remote clock offset: -0.626 ms

Below is generated by plot.py at 2018-05-24 15:44:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.69 Mbit/s

95th percentile per-packet one-way delay: 119.137 ms

Loss rate: 0.49%

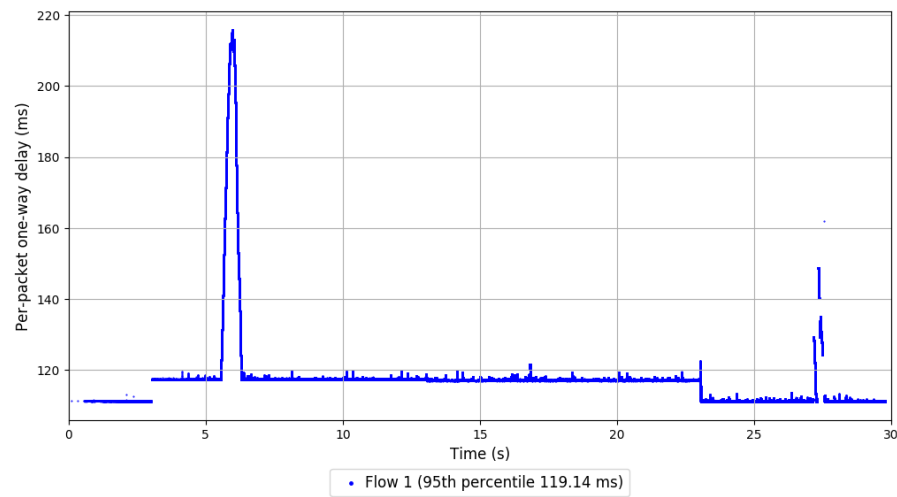
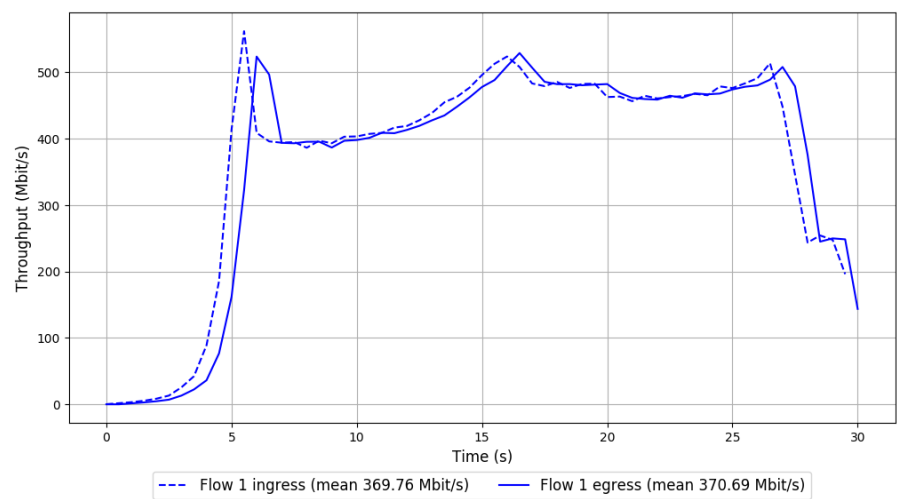
-- Flow 1:

Average throughput: 370.69 Mbit/s

95th percentile per-packet one-way delay: 119.137 ms

Loss rate: 0.49%

Run 8: Report of PCC-Vivace — Data Link

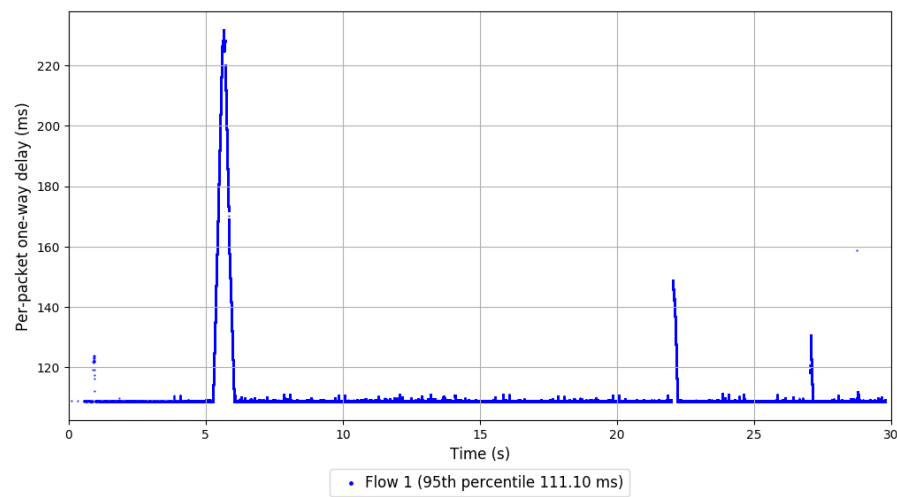
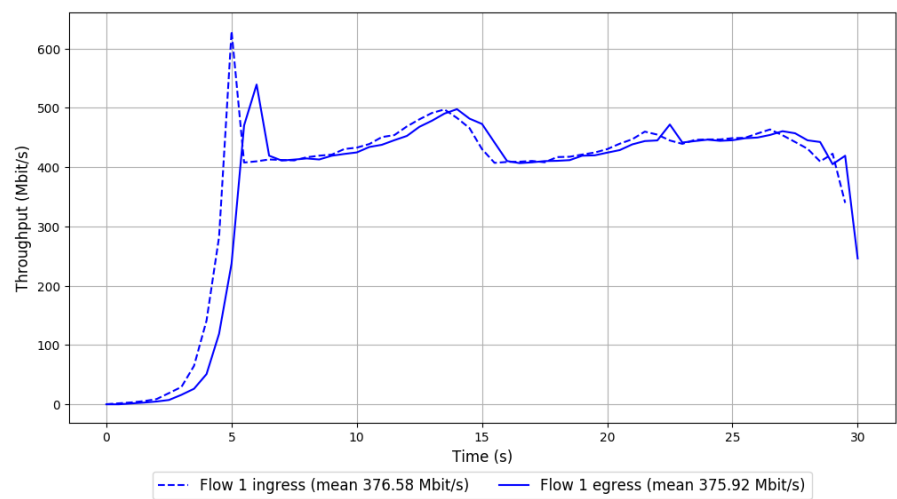


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 14:13:10
End at: 2018-05-24 14:13:40
Local clock offset: -0.196 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-05-24 15:44:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.92 Mbit/s
95th percentile per-packet one-way delay: 111.097 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 375.92 Mbit/s
95th percentile per-packet one-way delay: 111.097 ms
Loss rate: 0.91%

Run 9: Report of PCC-Vivace — Data Link

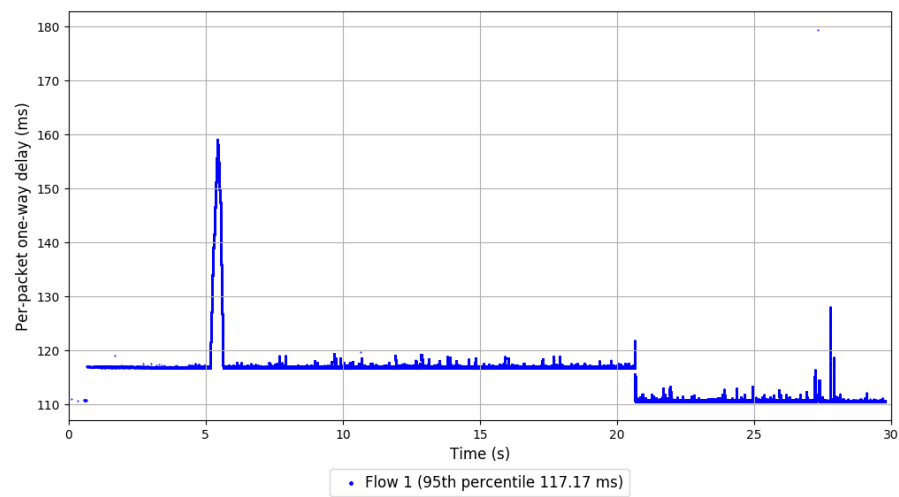
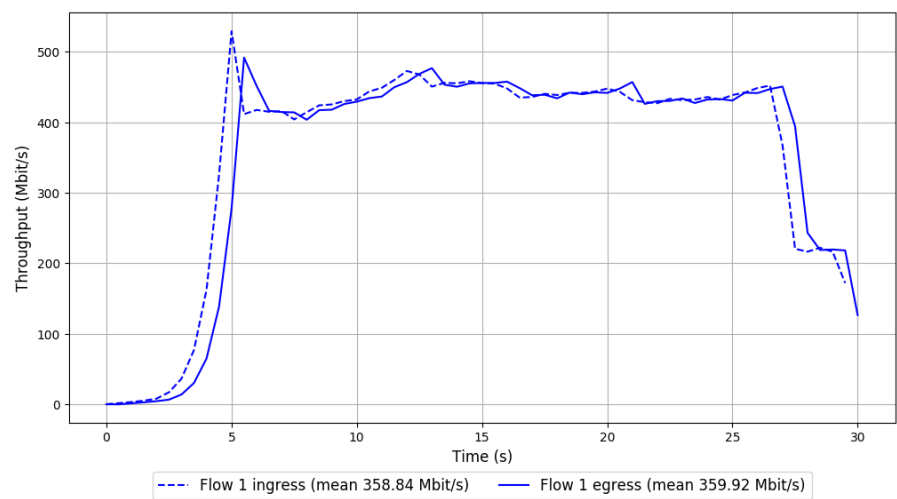


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 14:33:28
End at: 2018-05-24 14:33:58
Local clock offset: -0.027 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-24 15:44:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.92 Mbit/s
95th percentile per-packet one-way delay: 117.166 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 359.92 Mbit/s
95th percentile per-packet one-way delay: 117.166 ms
Loss rate: 0.44%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

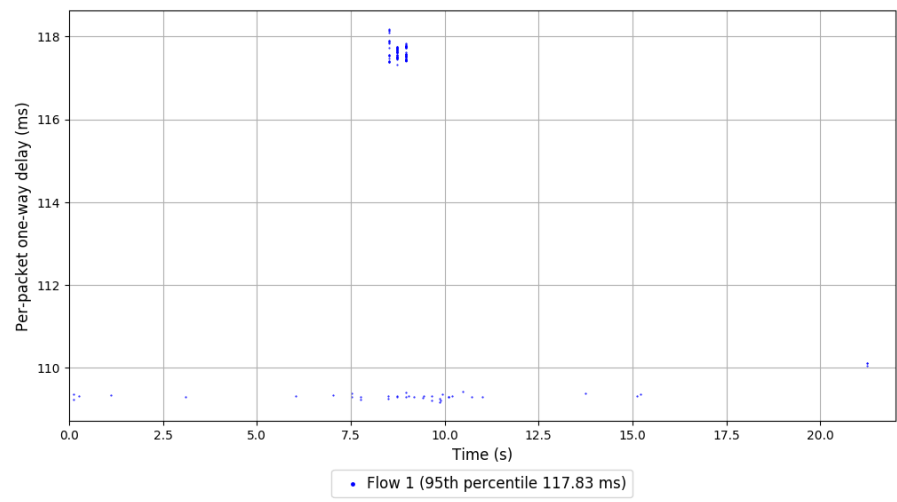
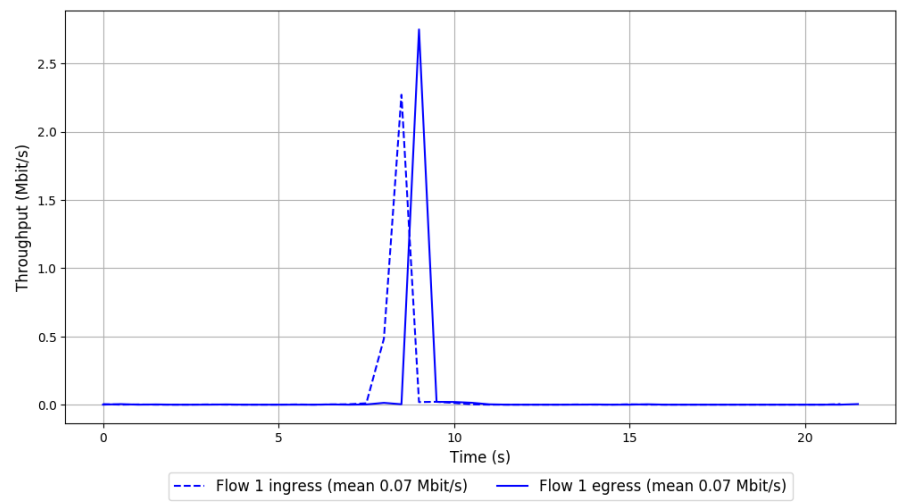
Start at: 2018-05-24 11:23:10

End at: 2018-05-24 11:23:40

Local clock offset: -0.093 ms

Remote clock offset: -0.611 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-24 11:43:56

End at: 2018-05-24 11:44:26

Local clock offset: 0.418 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-05-24 15:44:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.524 ms

Loss rate: 0.00%

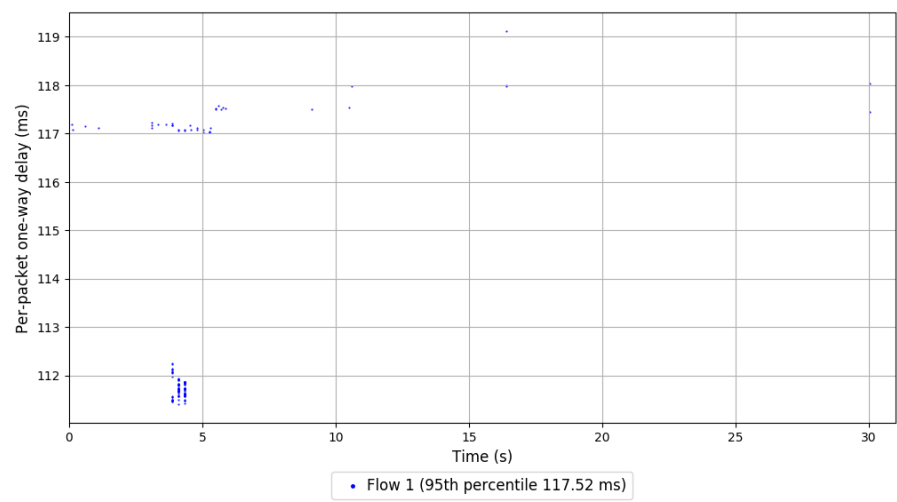
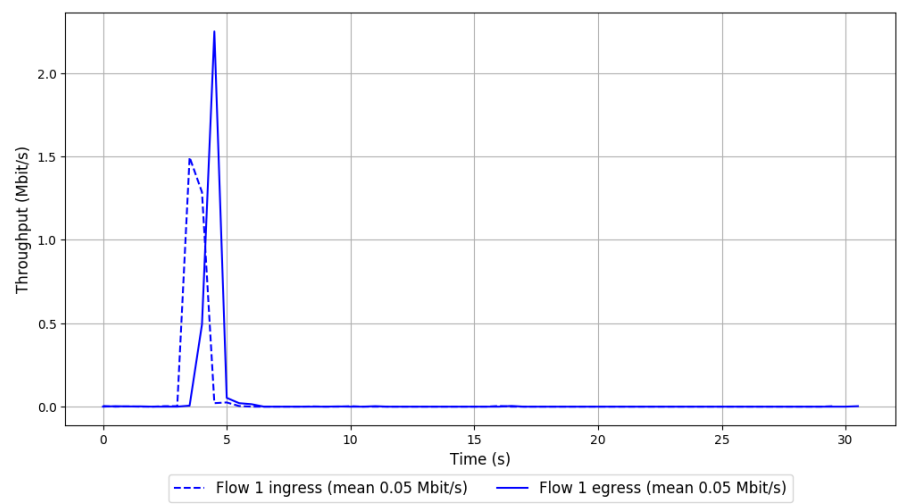
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.524 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

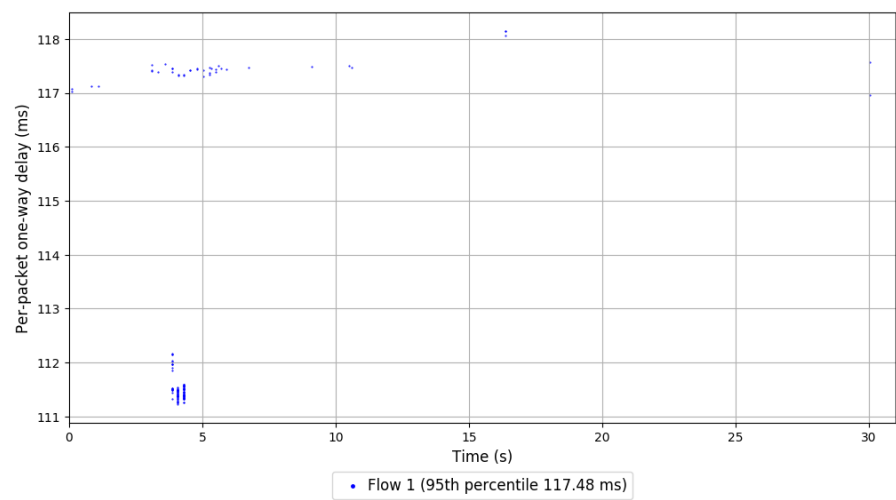
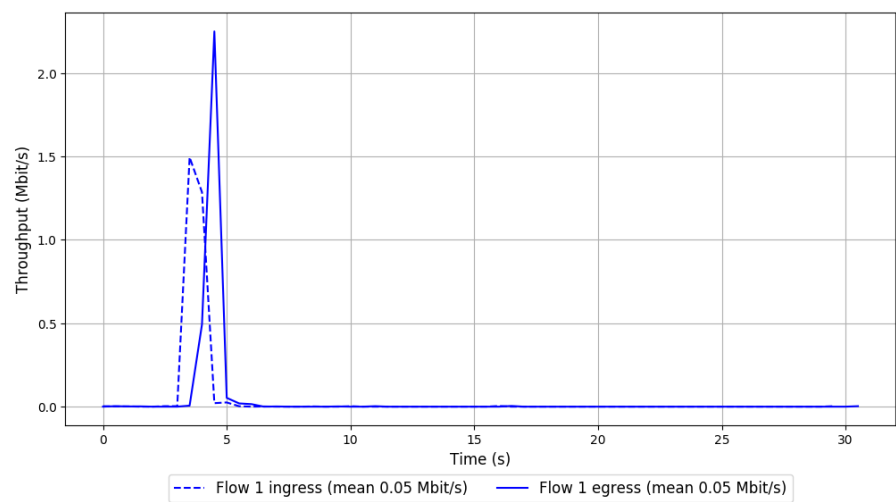


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 12:04:39
End at: 2018-05-24 12:05:09
Local clock offset: 0.537 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-05-24 15:44:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.483 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 12:24:55

End at: 2018-05-24 12:25:25

Local clock offset: 0.413 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-05-24 15:44:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 115.691 ms

Loss rate: 0.00%

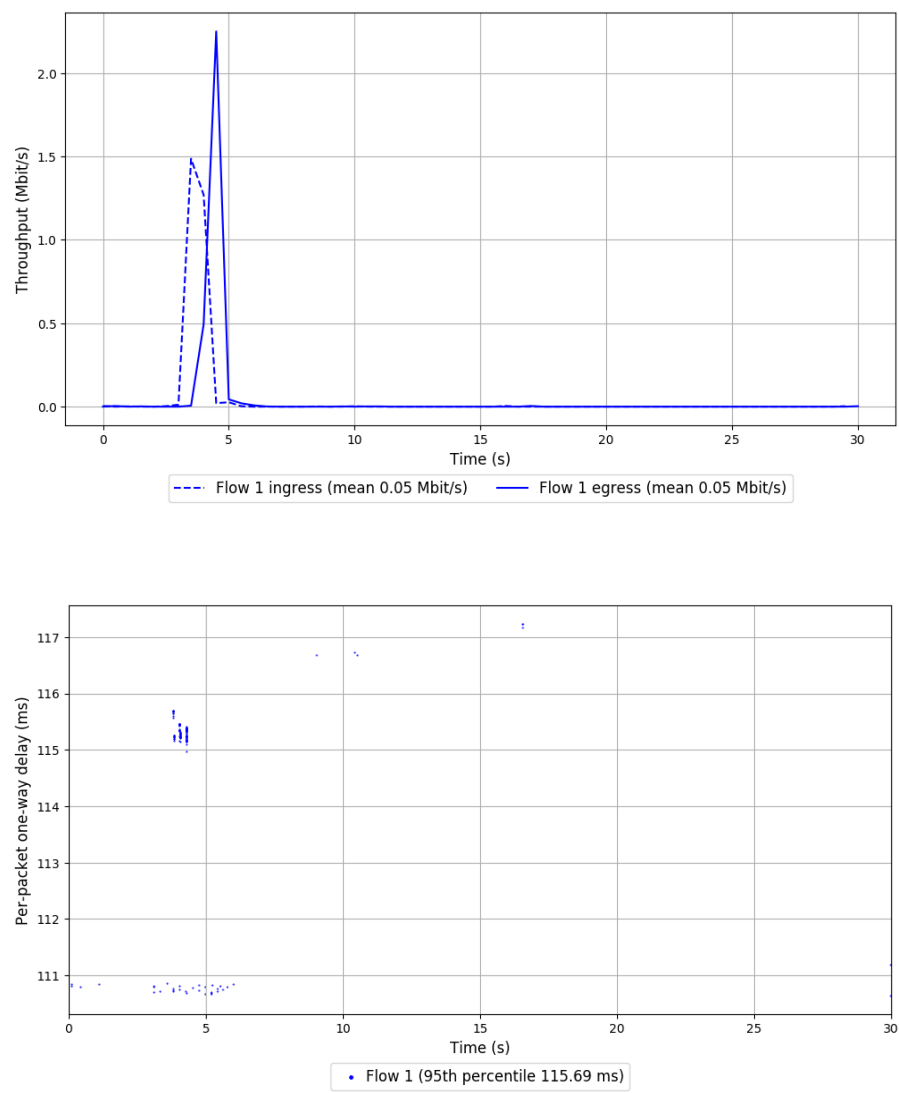
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 115.691 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-24 12:45:52

End at: 2018-05-24 12:46:22

Local clock offset: 0.189 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-05-24 15:44:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.386 ms

Loss rate: 0.00%

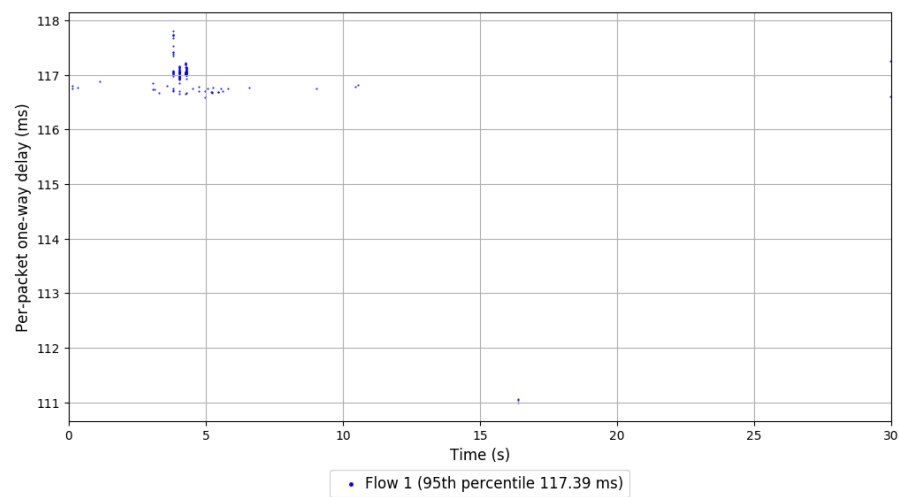
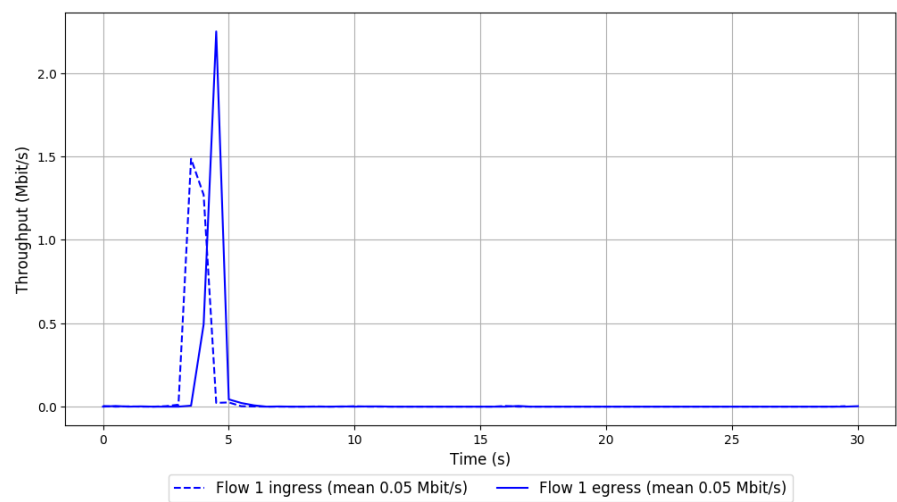
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.386 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-24 13:06:27

End at: 2018-05-24 13:06:58

Local clock offset: 0.378 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-05-24 15:44:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.695 ms

Loss rate: 0.00%

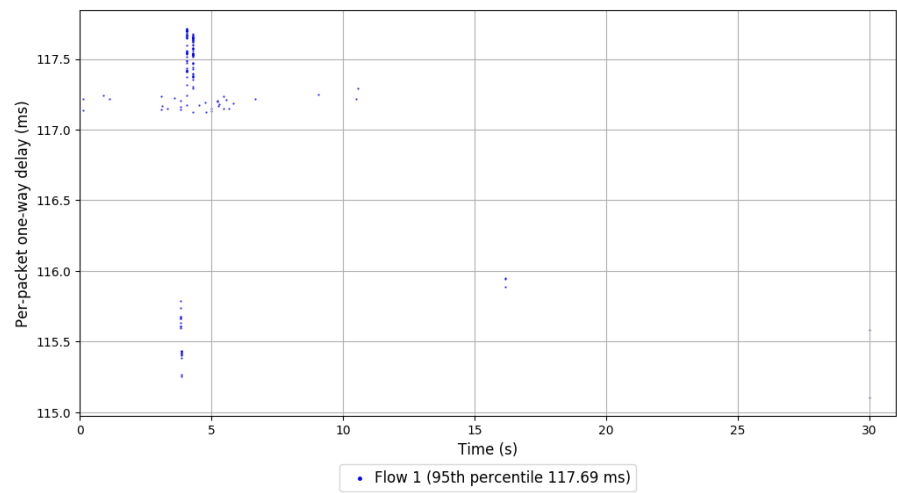
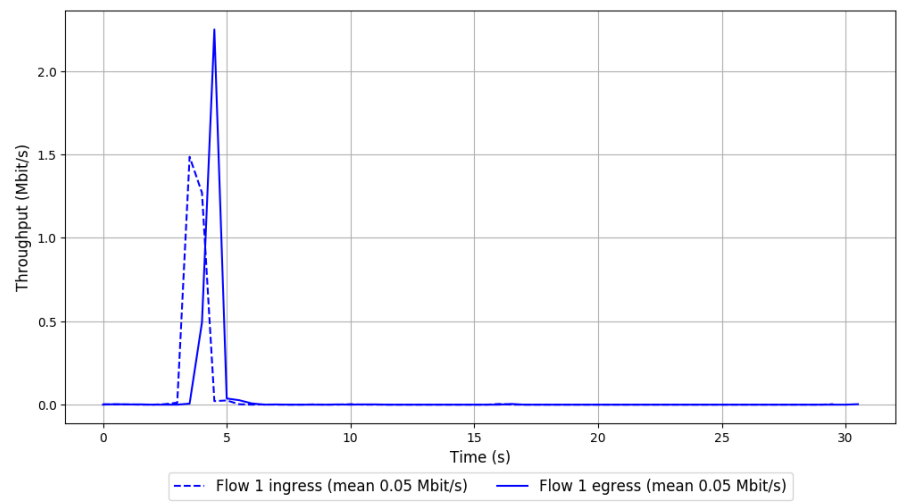
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.695 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-24 13:26:45

End at: 2018-05-24 13:27:15

Local clock offset: 0.013 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-05-24 15:44:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.052 ms

Loss rate: 0.00%

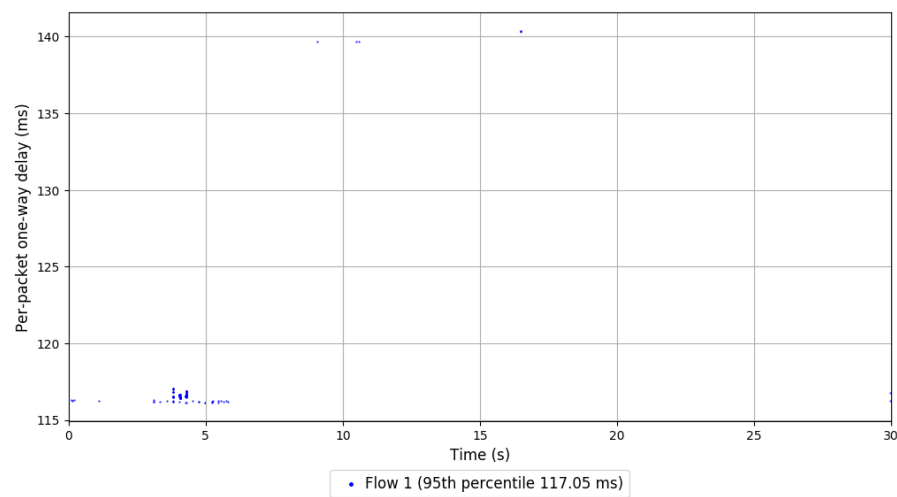
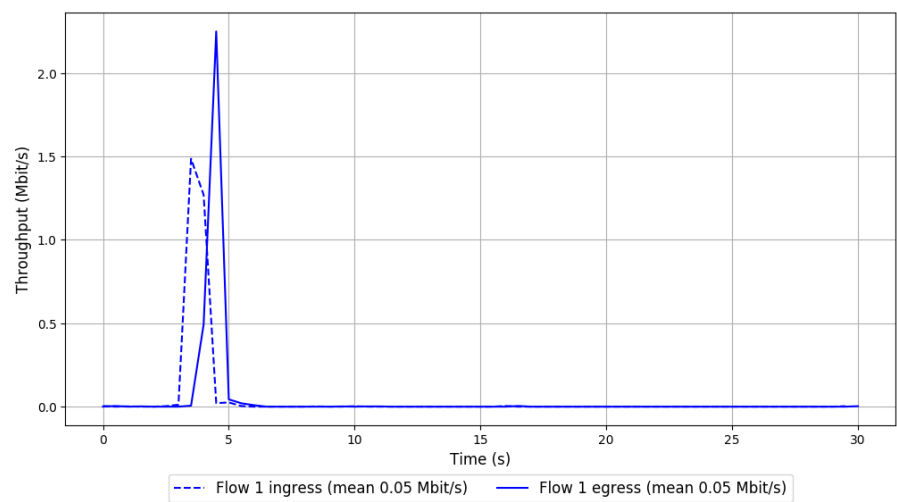
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.052 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

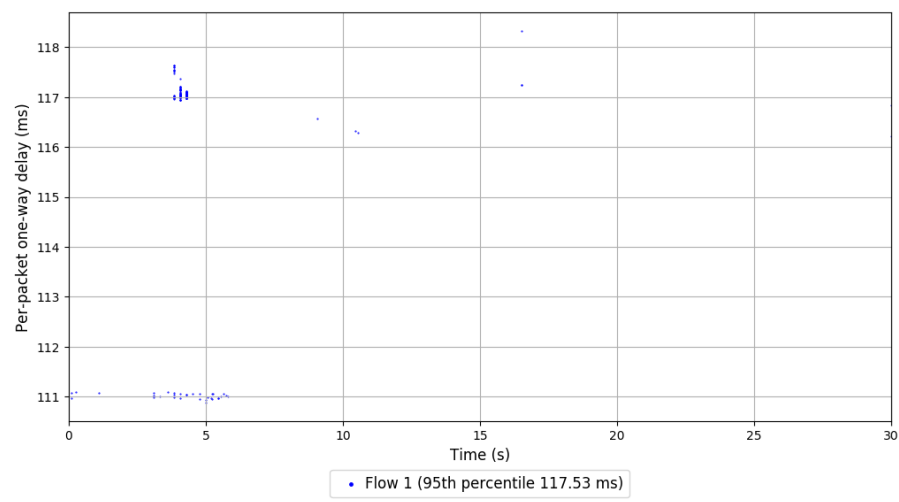
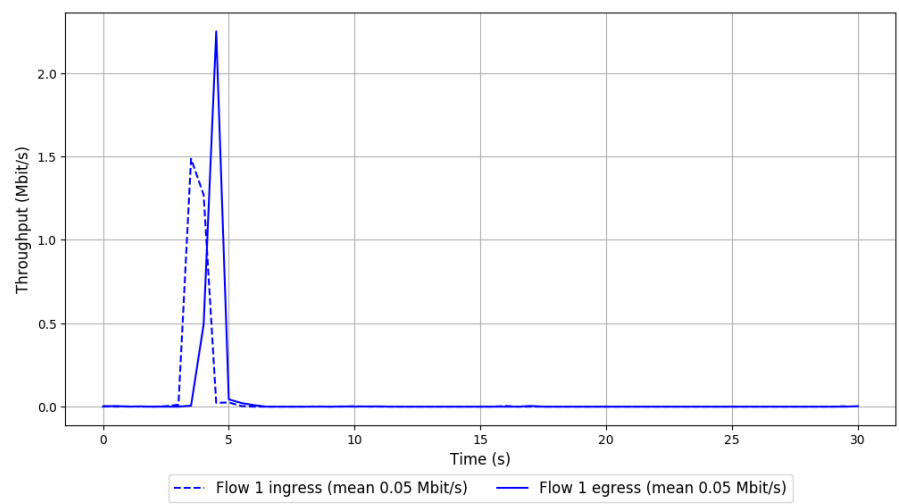


Run 8: Statistics of WebRTC media

Start at: 2018-05-24 13:47:27
End at: 2018-05-24 13:47:57
Local clock offset: 0.19 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-05-24 15:44:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 117.532 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

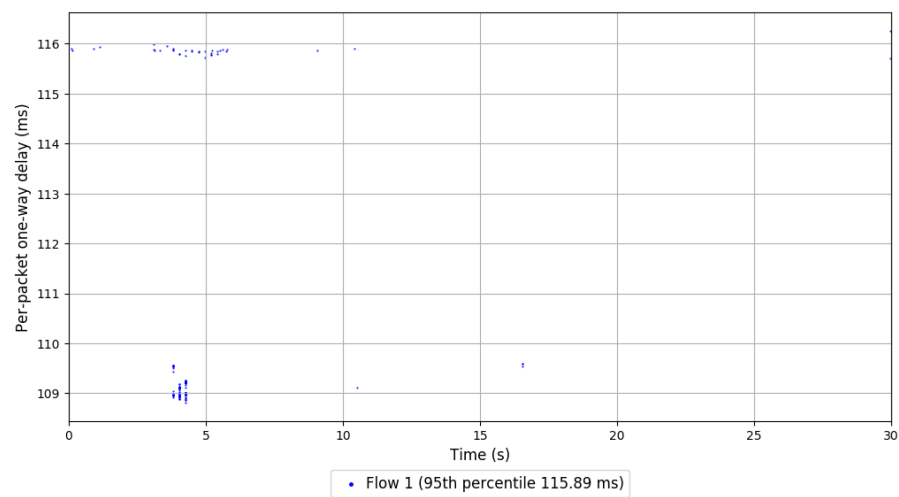
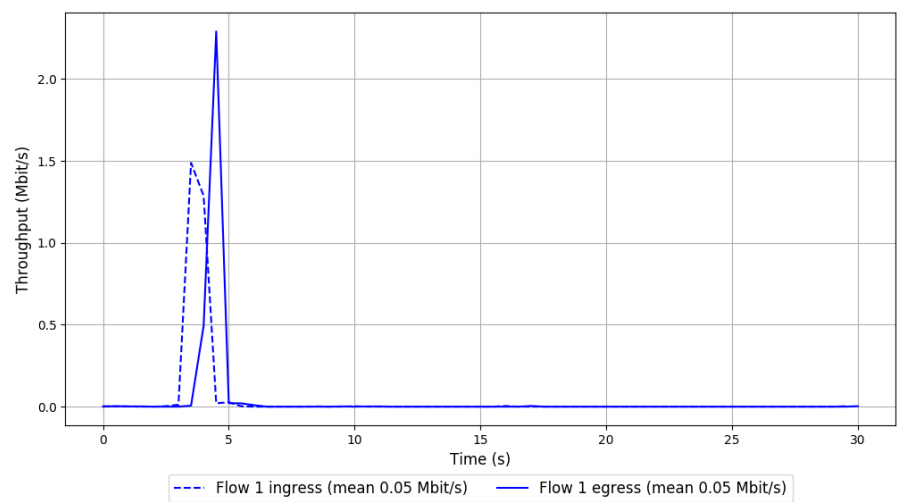


Run 9: Statistics of WebRTC media

Start at: 2018-05-24 14:07:53
End at: 2018-05-24 14:08:23
Local clock offset: 0.061 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-05-24 15:44:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 115.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 115.889 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 14:28:04

End at: 2018-05-24 14:28:34

Local clock offset: 0.038 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-05-24 15:44:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.088 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 117.088 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

