

Pantheon Report

Generated at 2018-07-19 16:56:42 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

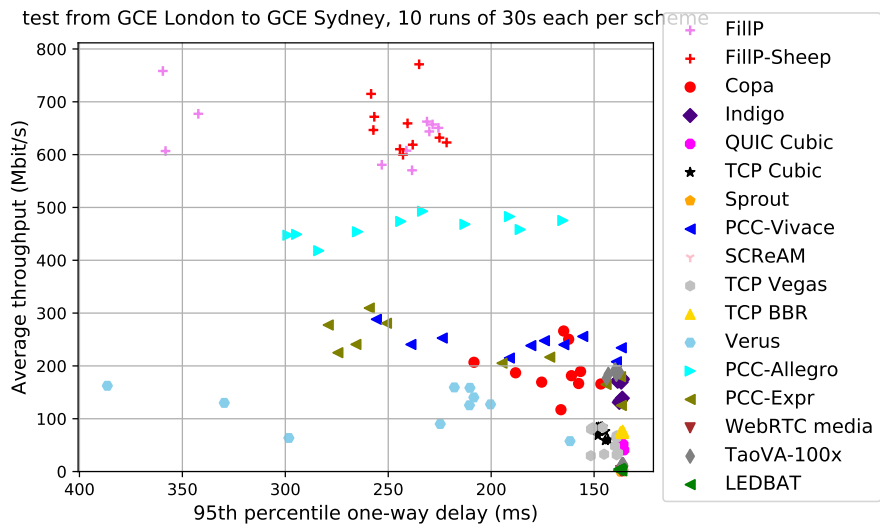
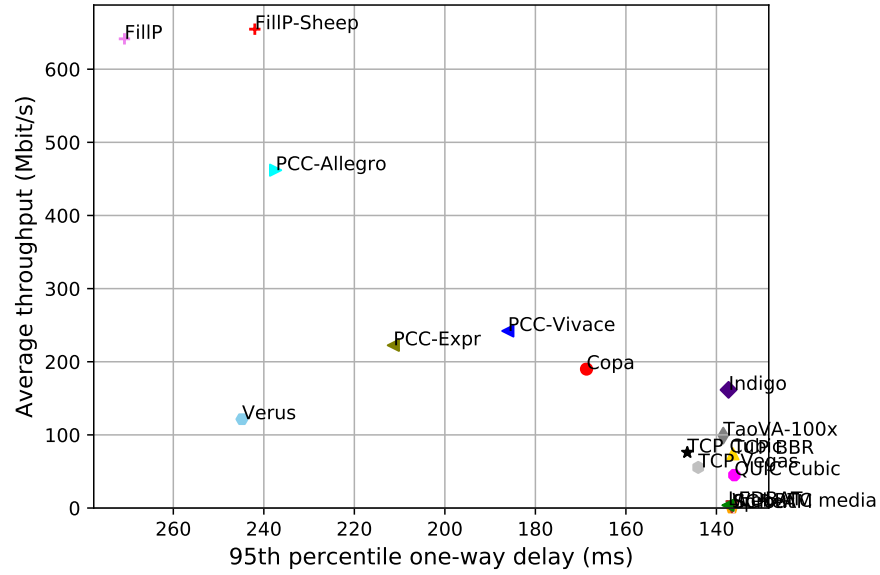
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



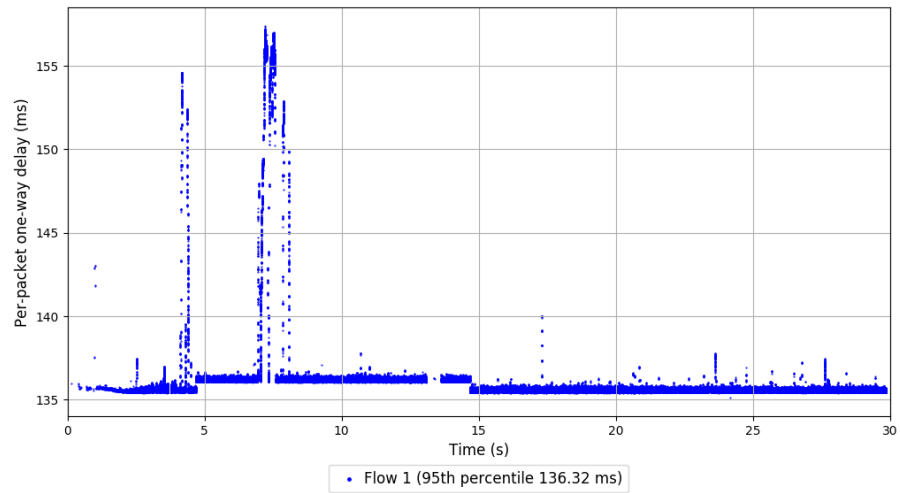
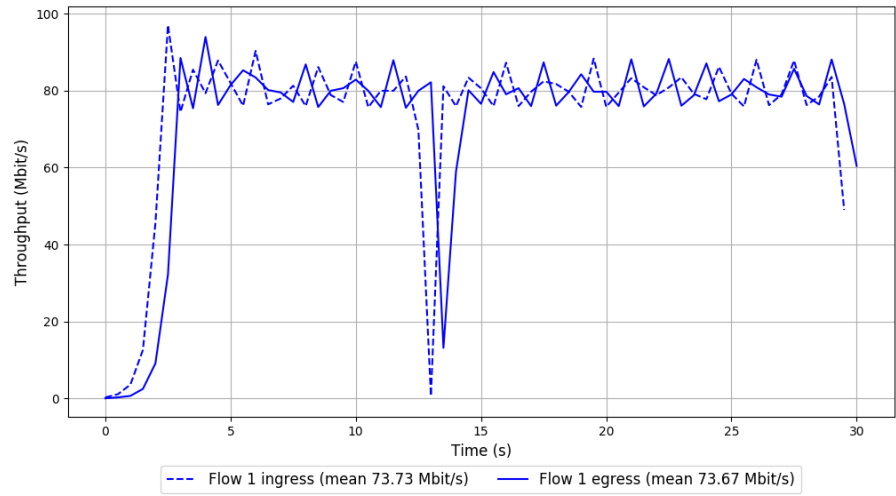
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	74.12	136.35	0.92
Copa	10	190.02	168.70	0.97
TCP Cubic	10	75.96	146.44	0.86
FillP	10	641.50	270.79	7.30
FillP-Sheep	10	654.71	241.99	6.05
Indigo	10	161.57	137.32	0.90
LEDBAT	10	3.81	137.45	2.14
PCC-Allegro	10	461.94	237.40	2.84
PCC-Expr	10	222.49	211.39	2.00
QUIC Cubic	5	45.00	136.04	0.65
SCReAM	10	0.22	136.24	0.89
Sprout	10	0.16	136.58	0.86
TaoVA-100x	10	99.00	138.49	0.88
TCP Vegas	10	55.53	144.02	0.92
Verus	10	121.47	244.83	4.48
PCC-Vivace	10	242.08	186.09	1.77
WebRTC media	10	1.79	136.57	1.10

Run 1: Statistics of TCP BBR

Start at: 2018-07-19 11:41:23
End at: 2018-07-19 11:41:53
Local clock offset: -0.692 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-19 15:25:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.27%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-19 12:03:45

End at: 2018-07-19 12:04:15

Local clock offset: -0.649 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-07-19 15:25:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 136.105 ms

Loss rate: 0.99%

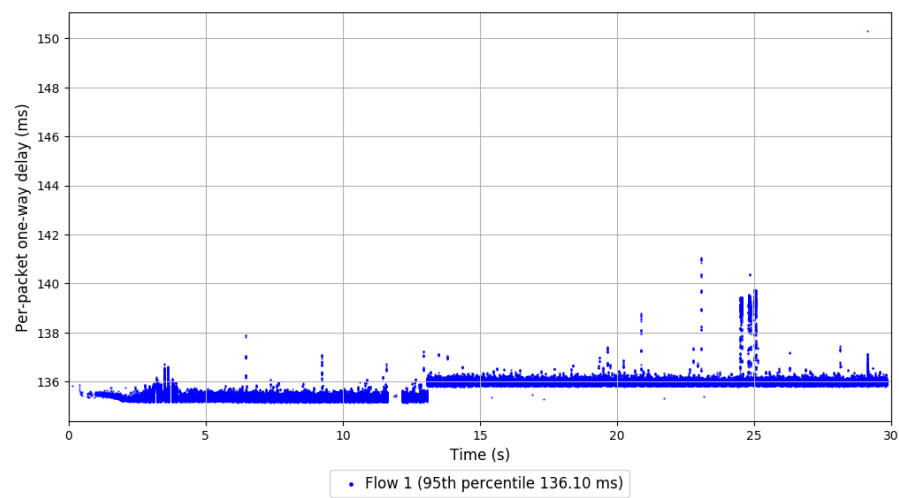
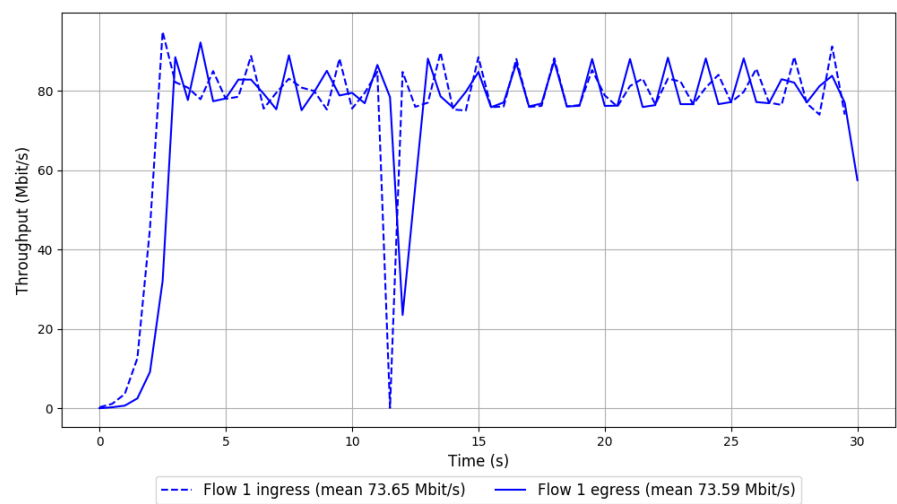
-- Flow 1:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 136.105 ms

Loss rate: 0.99%

Run 2: Report of TCP BBR — Data Link

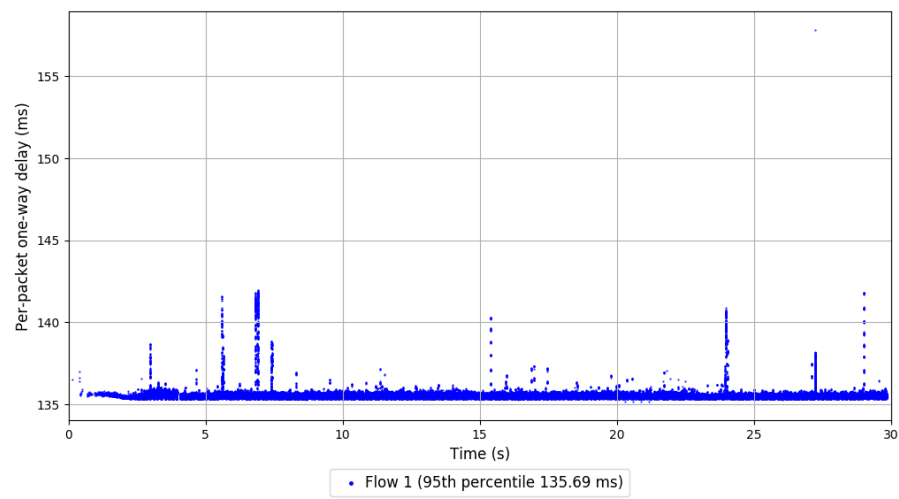
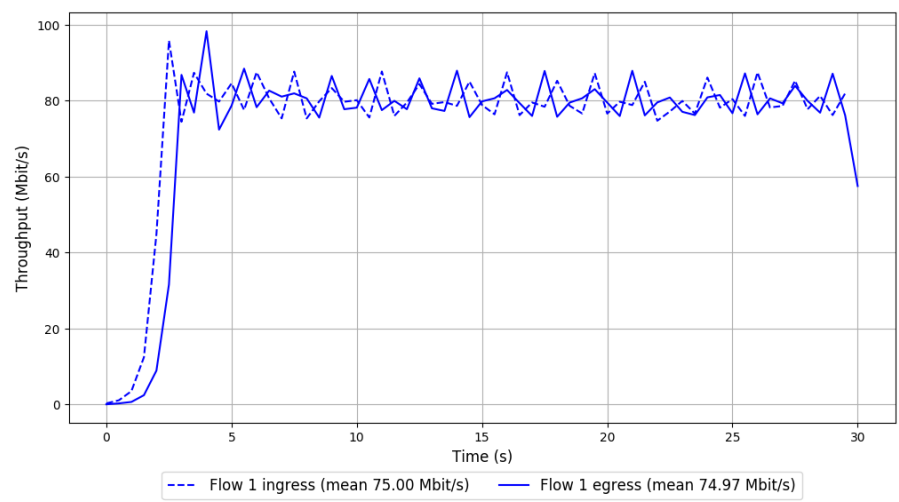


Run 3: Statistics of TCP BBR

Start at: 2018-07-19 12:26:26
End at: 2018-07-19 12:26:56
Local clock offset: -0.983 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-19 15:25:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.97 Mbit/s
95th percentile per-packet one-way delay: 135.689 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.97 Mbit/s
95th percentile per-packet one-way delay: 135.689 ms
Loss rate: 0.96%

Run 3: Report of TCP BBR — Data Link

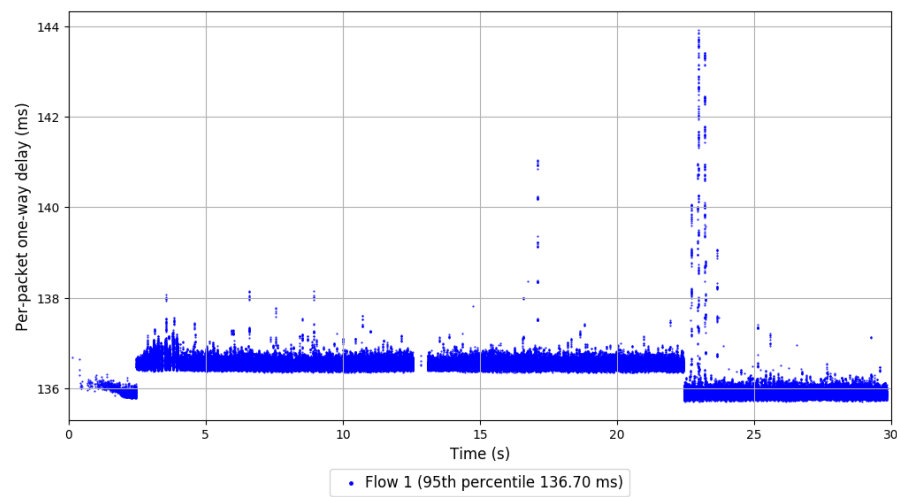
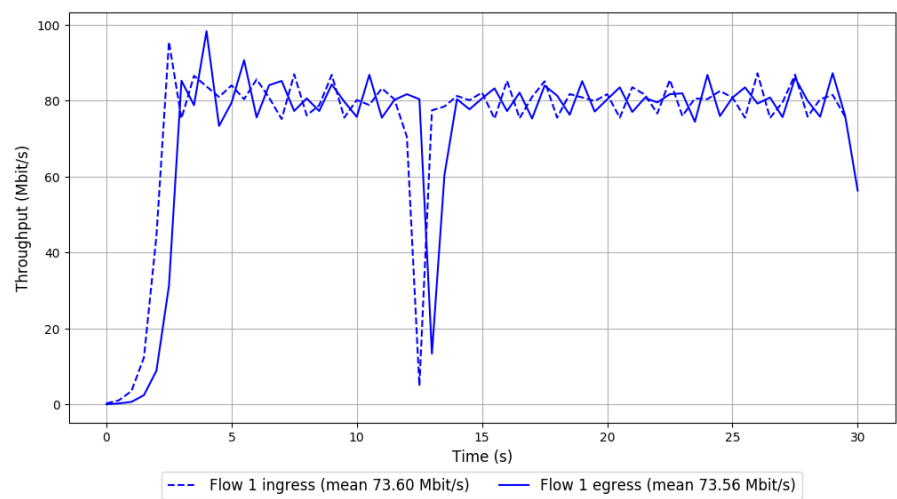


Run 4: Statistics of TCP BBR

Start at: 2018-07-19 12:49:05
End at: 2018-07-19 12:49:35
Local clock offset: -0.297 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-07-19 15:25:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 136.703 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 136.703 ms
Loss rate: 0.97%

Run 4: Report of TCP BBR — Data Link

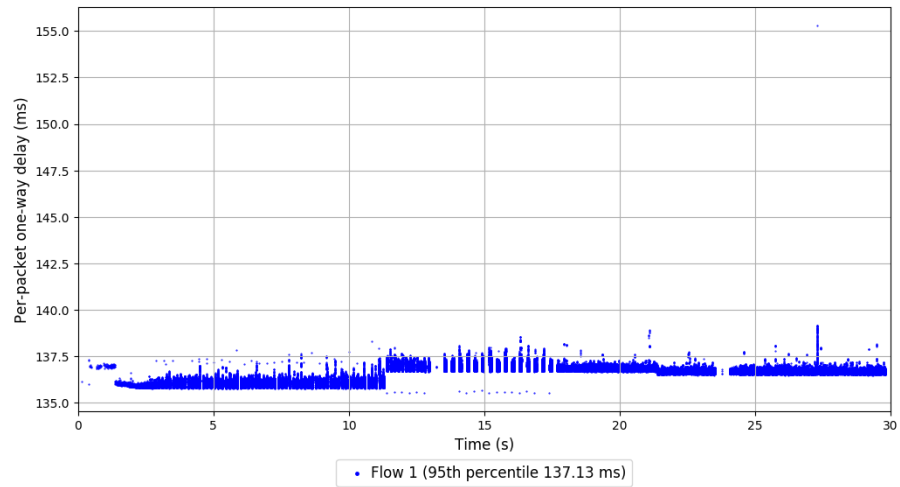
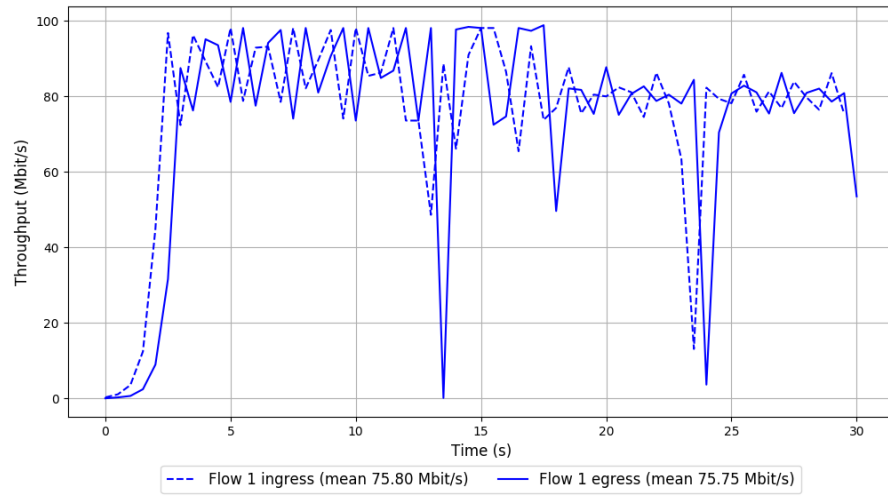


Run 5: Statistics of TCP BBR

Start at: 2018-07-19 13:12:16
End at: 2018-07-19 13:12:46
Local clock offset: 0.409 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-07-19 15:25:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.75 Mbit/s
95th percentile per-packet one-way delay: 137.127 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 75.75 Mbit/s
95th percentile per-packet one-way delay: 137.127 ms
Loss rate: 1.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-19 13:35:25

End at: 2018-07-19 13:35:55

Local clock offset: 0.398 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-19 15:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 136.401 ms

Loss rate: 0.93%

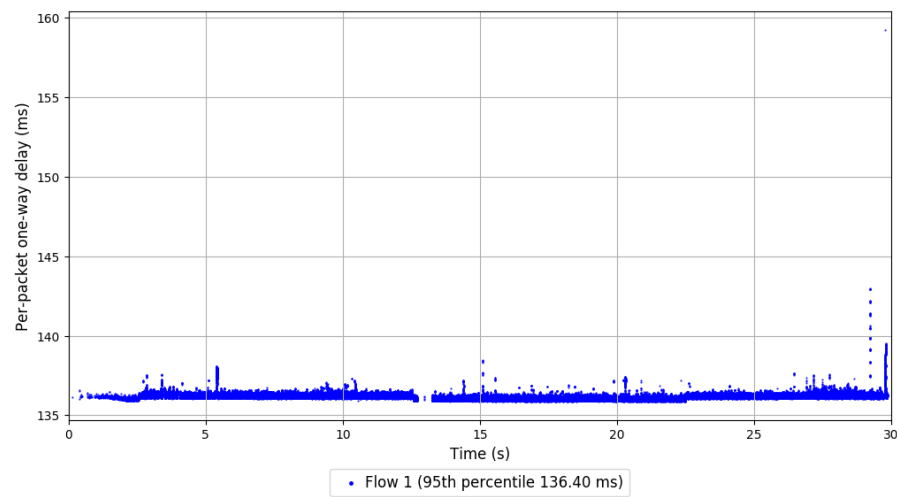
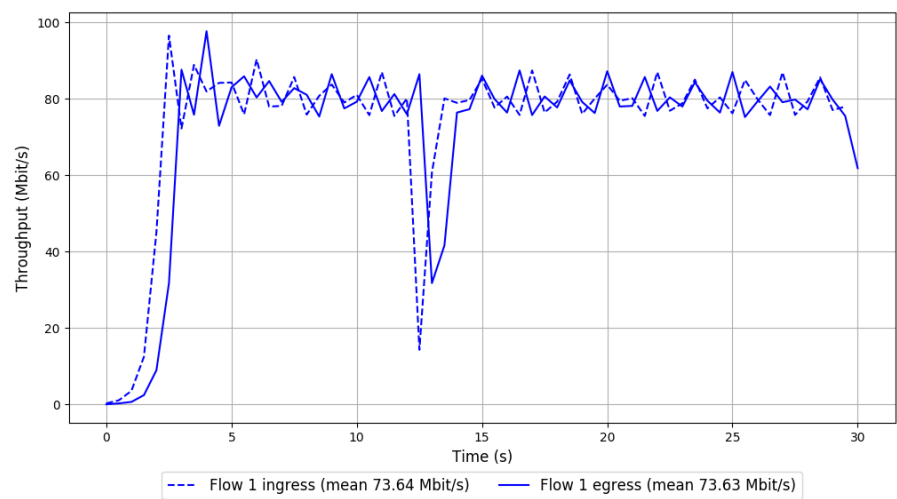
-- Flow 1:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 136.401 ms

Loss rate: 0.93%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-19 13:58:29

End at: 2018-07-19 13:58:59

Local clock offset: 0.785 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-19 15:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 136.132 ms

Loss rate: 1.03%

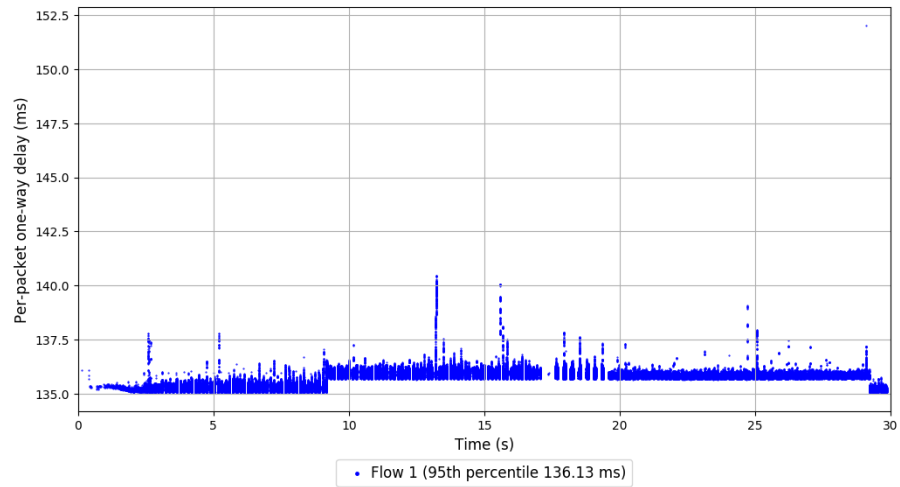
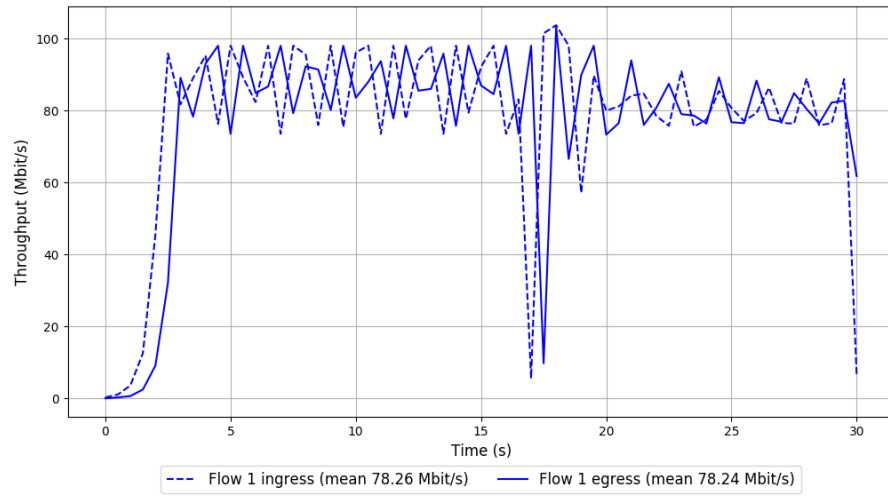
-- Flow 1:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 136.132 ms

Loss rate: 1.03%

Run 7: Report of TCP BBR — Data Link

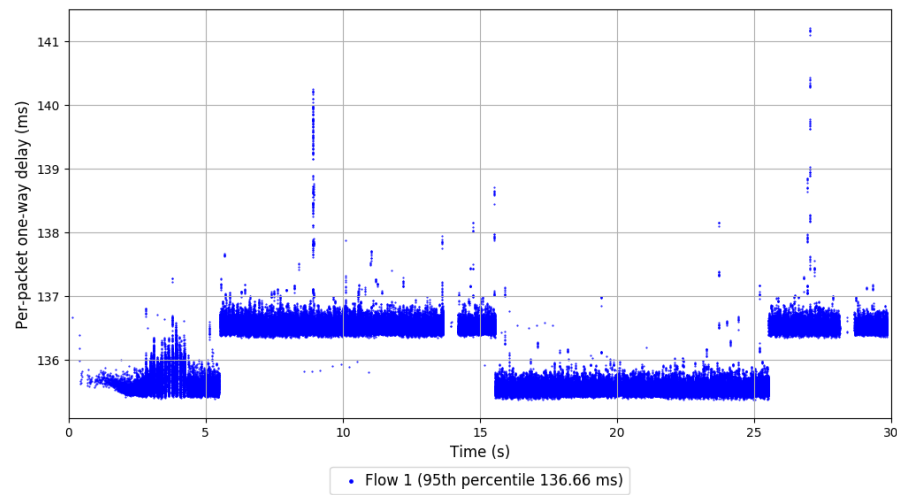
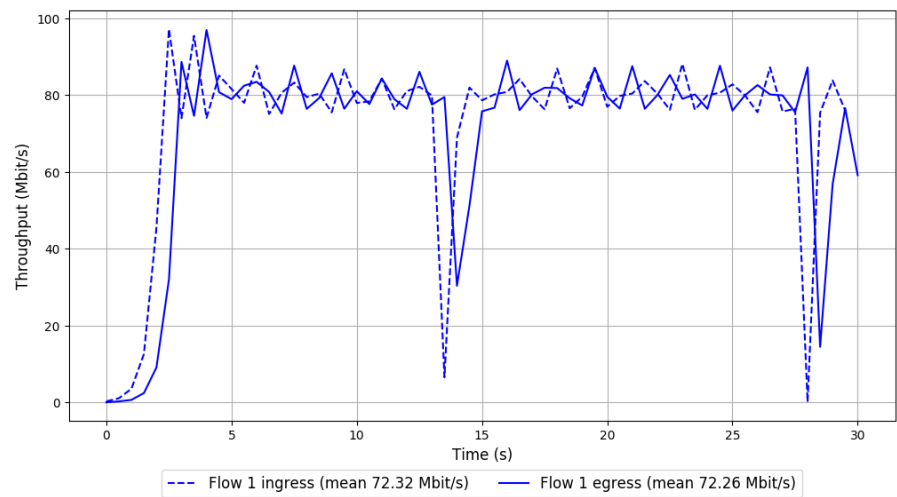


Run 8: Statistics of TCP BBR

Start at: 2018-07-19 14:21:02
End at: 2018-07-19 14:21:32
Local clock offset: 0.922 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-19 15:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.26 Mbit/s
95th percentile per-packet one-way delay: 136.657 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 72.26 Mbit/s
95th percentile per-packet one-way delay: 136.657 ms
Loss rate: 0.98%

Run 8: Report of TCP BBR — Data Link

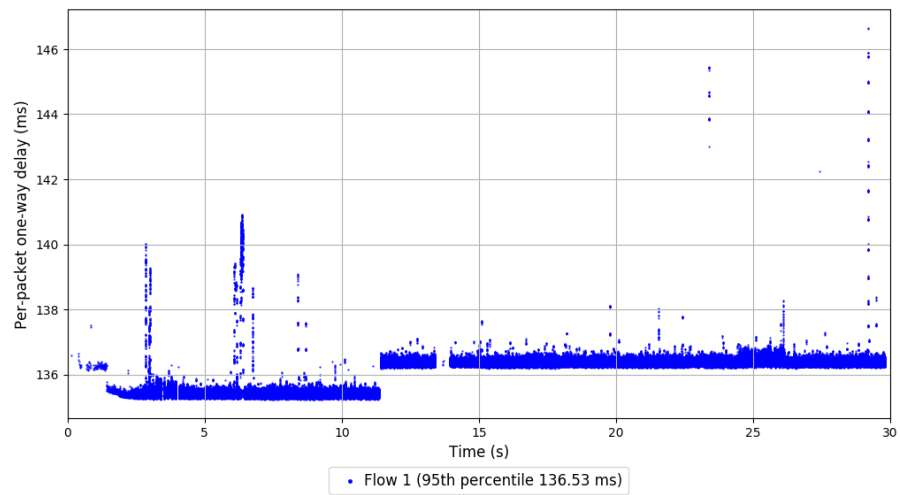
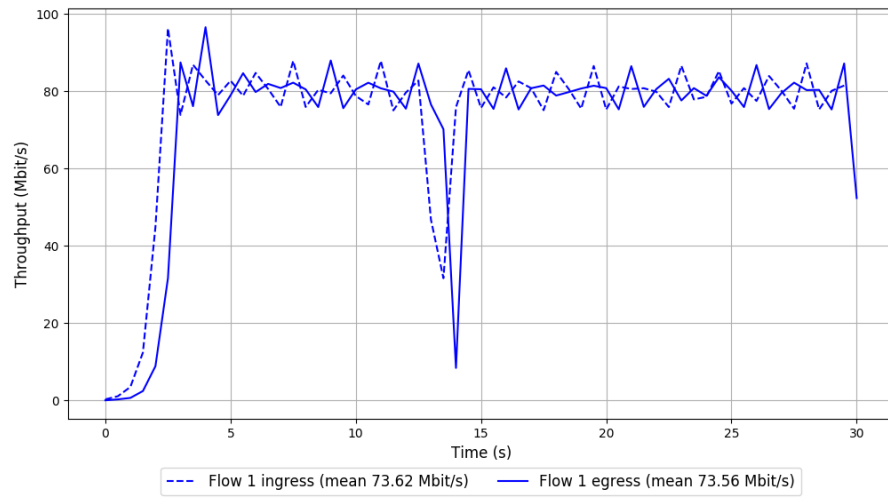


Run 9: Statistics of TCP BBR

Start at: 2018-07-19 14:43:46
End at: 2018-07-19 14:44:16
Local clock offset: -0.189 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-19 15:26:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 136.532 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 136.532 ms
Loss rate: 1.06%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-19 15:06:55

End at: 2018-07-19 15:07:25

Local clock offset: -0.2 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-19 15:26:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.01 Mbit/s

95th percentile per-packet one-way delay: 135.811 ms

Loss rate: 0.99%

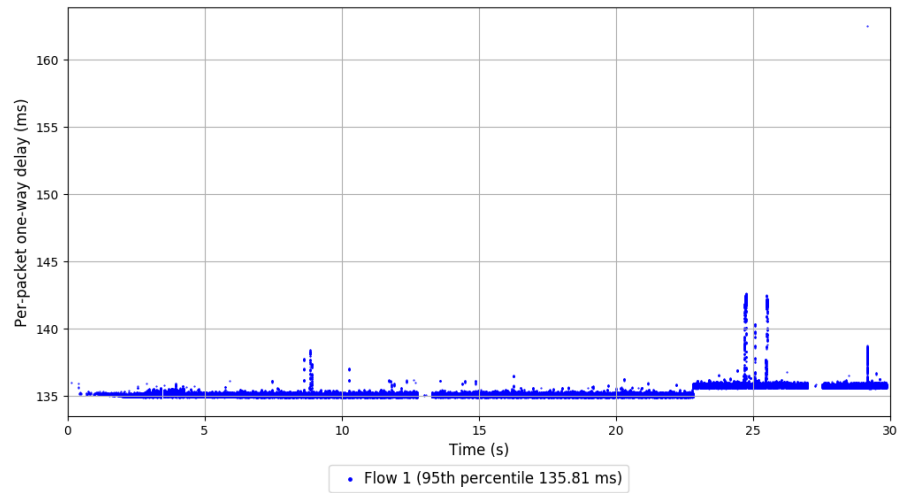
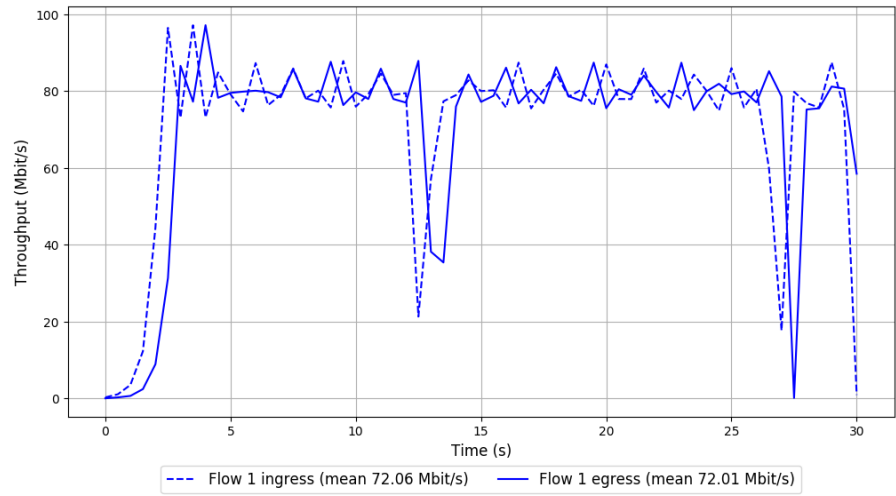
-- Flow 1:

Average throughput: 72.01 Mbit/s

95th percentile per-packet one-way delay: 135.811 ms

Loss rate: 0.99%

Run 10: Report of TCP BBR — Data Link

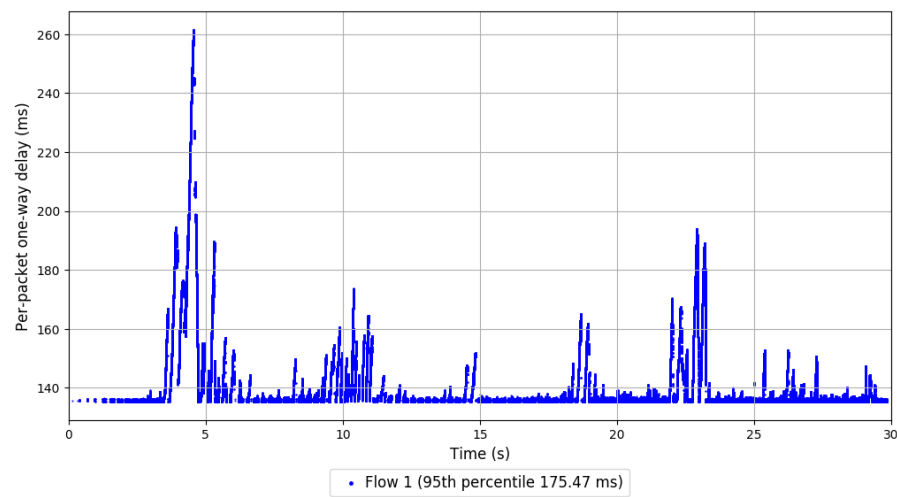
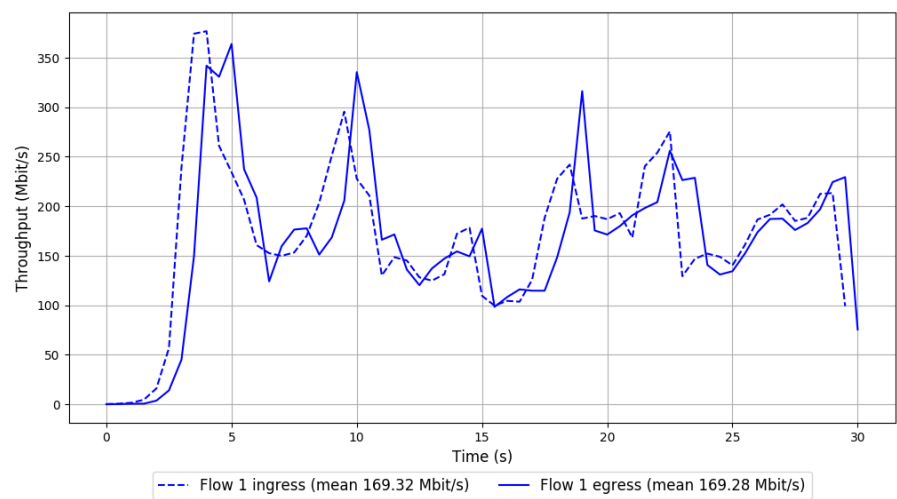


Run 1: Statistics of Copa

Start at: 2018-07-19 11:39:57
End at: 2018-07-19 11:40:27
Local clock offset: -0.75 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-19 15:31:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.28 Mbit/s
95th percentile per-packet one-way delay: 175.467 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 169.28 Mbit/s
95th percentile per-packet one-way delay: 175.467 ms
Loss rate: 0.93%

Run 1: Report of Copa — Data Link

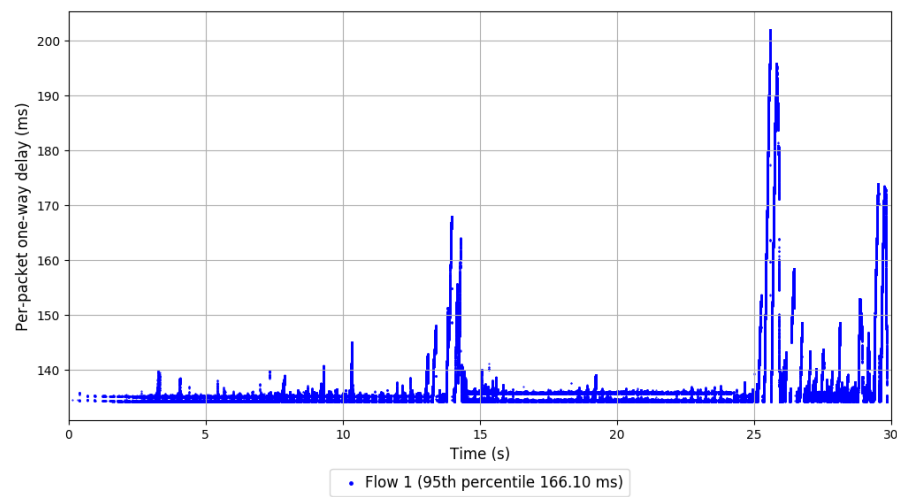
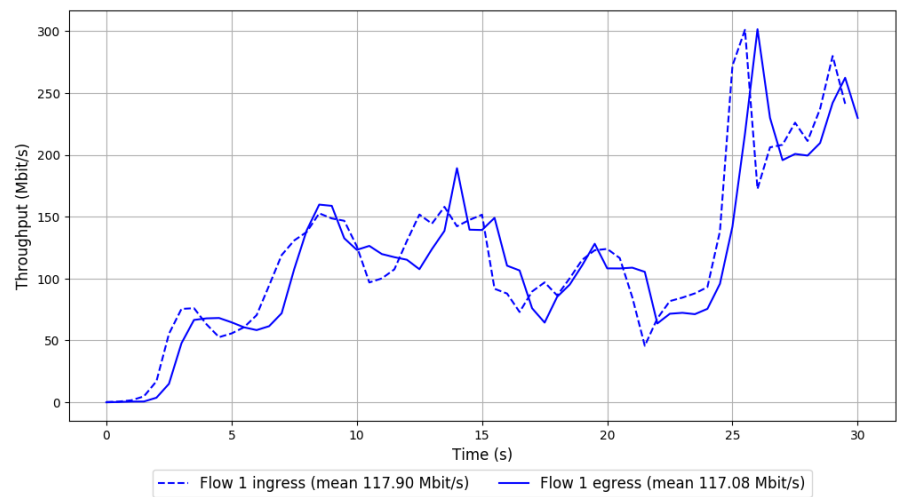


Run 2: Statistics of Copa

Start at: 2018-07-19 12:02:23
End at: 2018-07-19 12:02:53
Local clock offset: -0.818 ms
Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-07-19 15:31:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.08 Mbit/s
95th percentile per-packet one-way delay: 166.102 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 117.08 Mbit/s
95th percentile per-packet one-way delay: 166.102 ms
Loss rate: 1.45%

Run 2: Report of Copa — Data Link

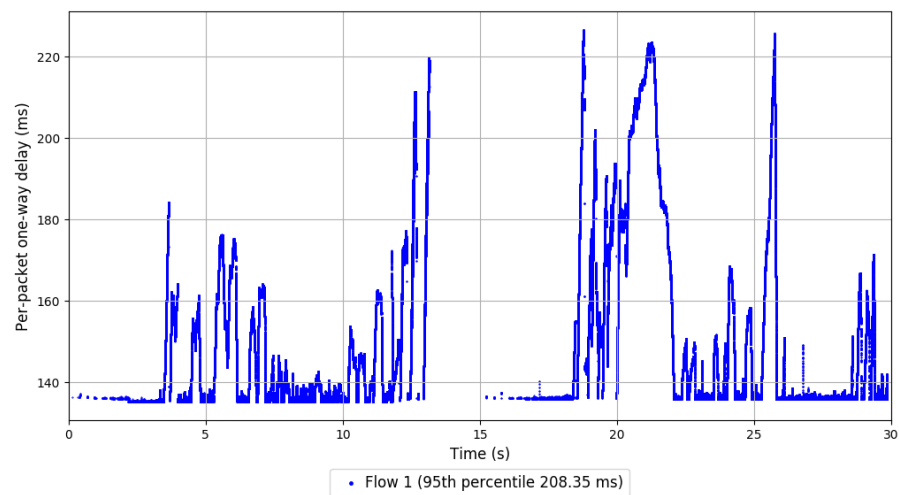
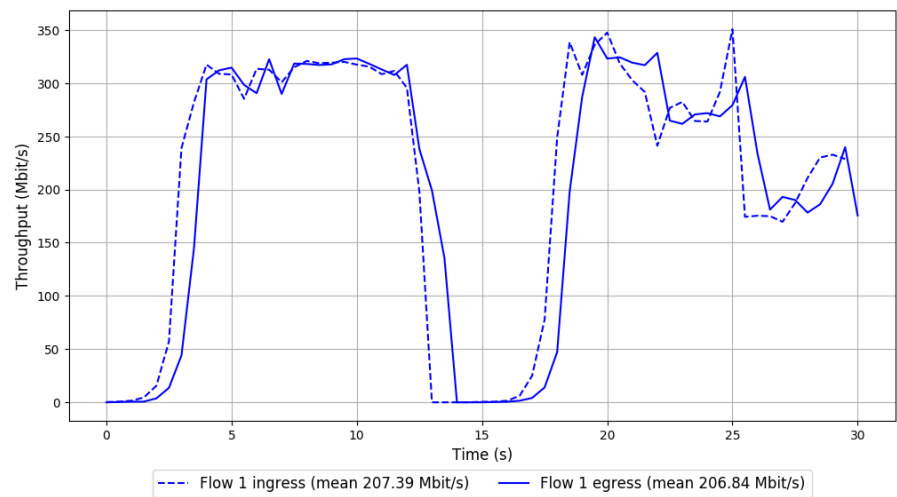


Run 3: Statistics of Copa

Start at: 2018-07-19 12:24:55
End at: 2018-07-19 12:25:26
Local clock offset: -1.149 ms
Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-19 15:32:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 208.350 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 208.350 ms
Loss rate: 1.17%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-19 12:47:36

End at: 2018-07-19 12:48:06

Local clock offset: -0.412 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-19 15:32:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.97 Mbit/s

95th percentile per-packet one-way delay: 188.143 ms

Loss rate: 0.84%

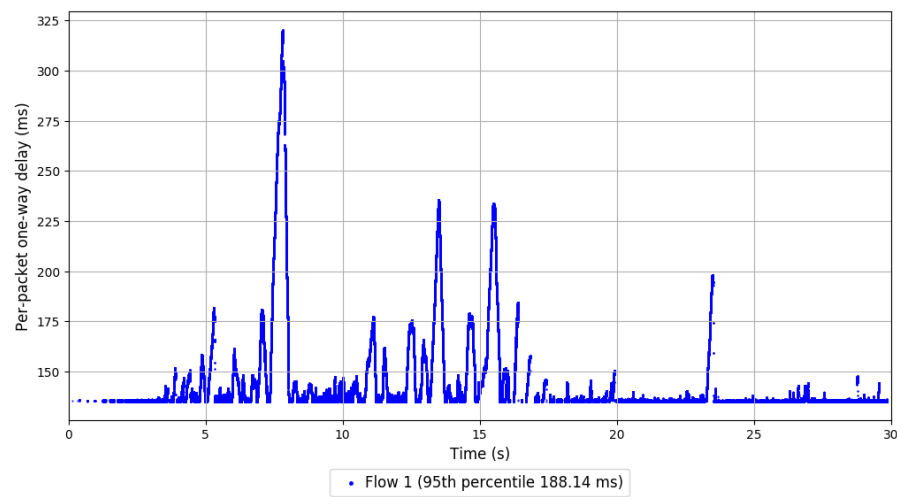
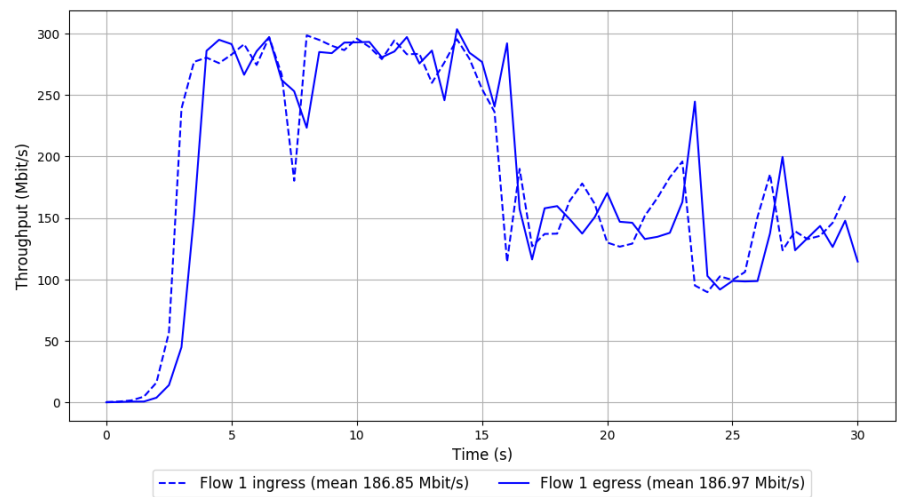
-- Flow 1:

Average throughput: 186.97 Mbit/s

95th percentile per-packet one-way delay: 188.143 ms

Loss rate: 0.84%

Run 4: Report of Copa — Data Link

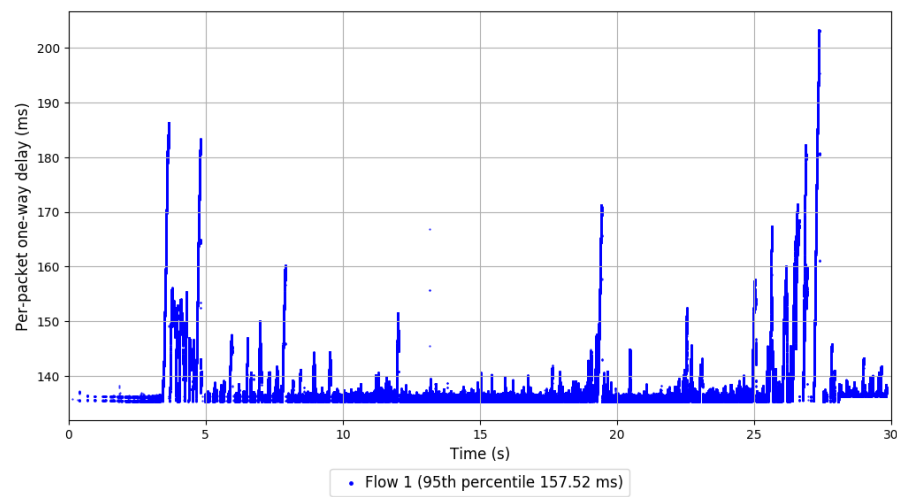
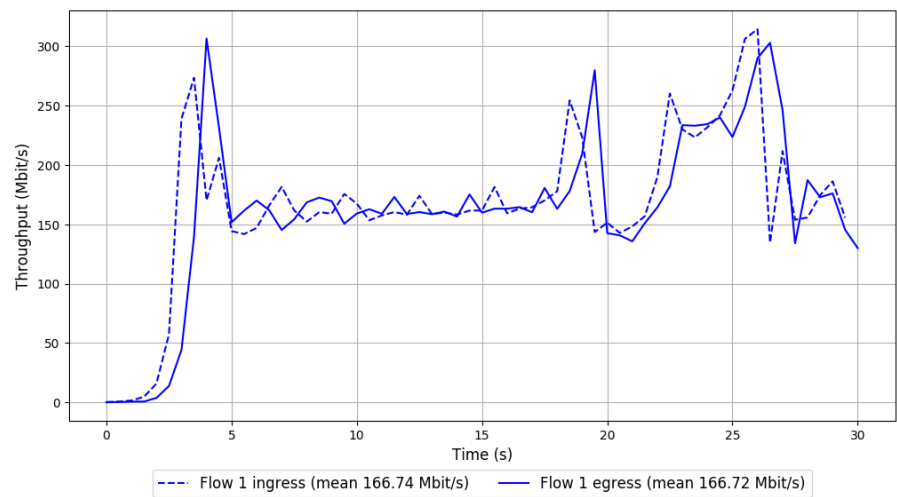


Run 5: Statistics of Copa

Start at: 2018-07-19 13:10:50
End at: 2018-07-19 13:11:20
Local clock offset: -0.078 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-07-19 15:32:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.72 Mbit/s
95th percentile per-packet one-way delay: 157.522 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 166.72 Mbit/s
95th percentile per-packet one-way delay: 157.522 ms
Loss rate: 0.92%

Run 5: Report of Copa — Data Link

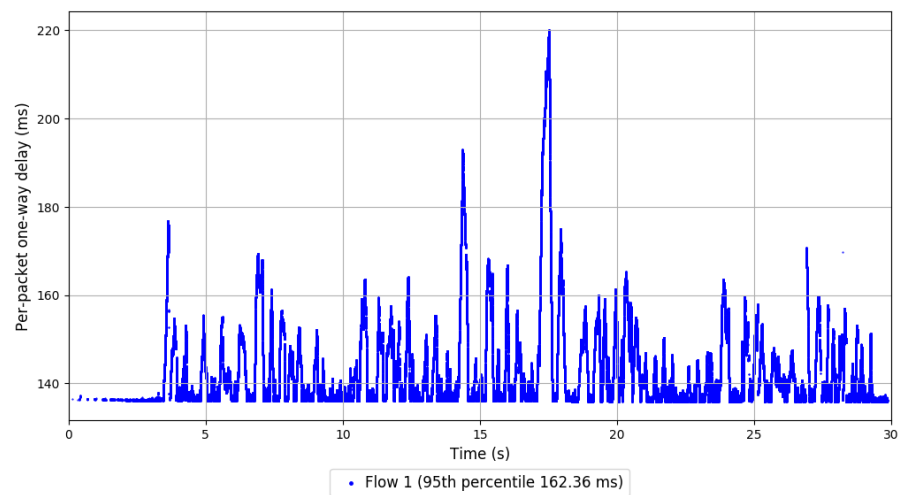
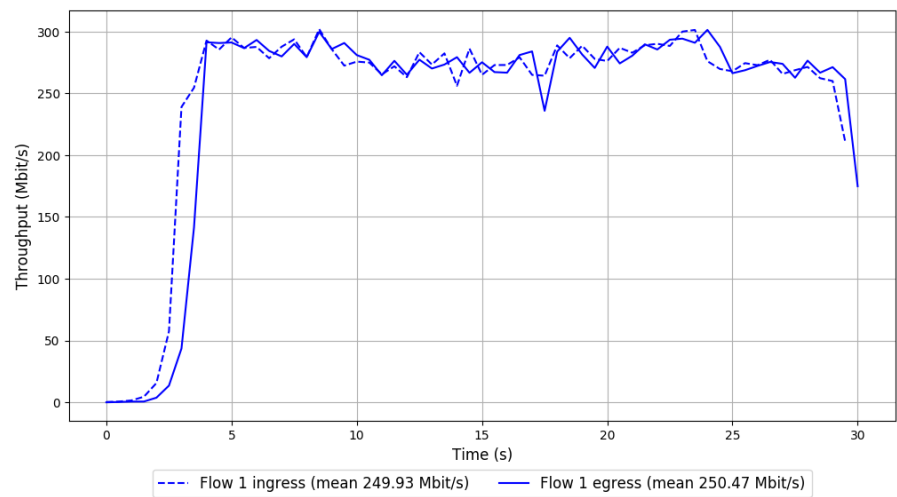


Run 6: Statistics of Copa

Start at: 2018-07-19 13:33:49
End at: 2018-07-19 13:34:19
Local clock offset: 0.448 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-19 15:34:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.47 Mbit/s
95th percentile per-packet one-way delay: 162.356 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 250.47 Mbit/s
95th percentile per-packet one-way delay: 162.356 ms
Loss rate: 0.70%

Run 6: Report of Copa — Data Link

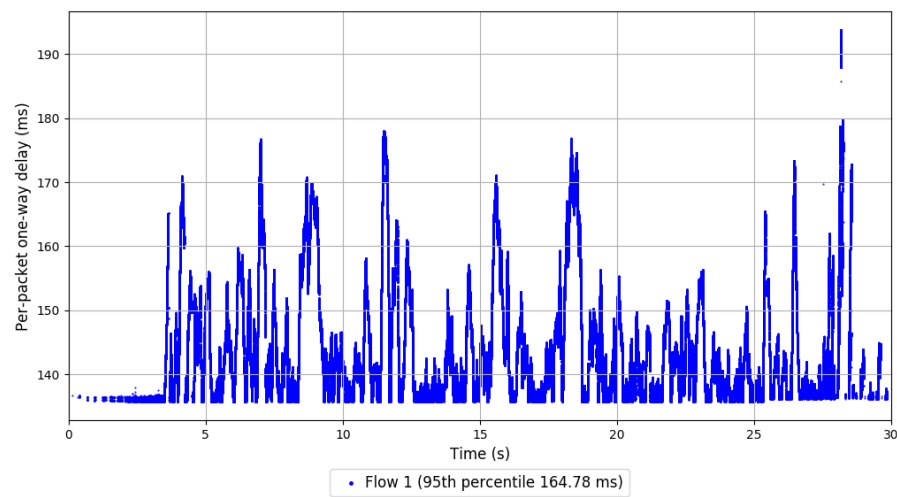
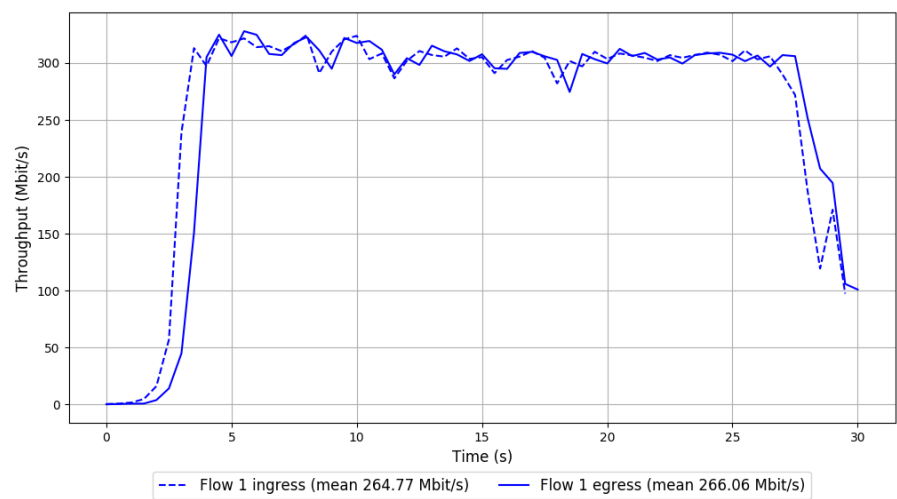


Run 7: Statistics of Copa

Start at: 2018-07-19 13:56:52
End at: 2018-07-19 13:57:22
Local clock offset: 0.64 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2018-07-19 15:36:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.06 Mbit/s
95th percentile per-packet one-way delay: 164.782 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 266.06 Mbit/s
95th percentile per-packet one-way delay: 164.782 ms
Loss rate: 0.43%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-19 14:19:34

End at: 2018-07-19 14:20:04

Local clock offset: 0.854 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-19 15:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.49 Mbit/s

95th percentile per-packet one-way delay: 161.010 ms

Loss rate: 0.77%

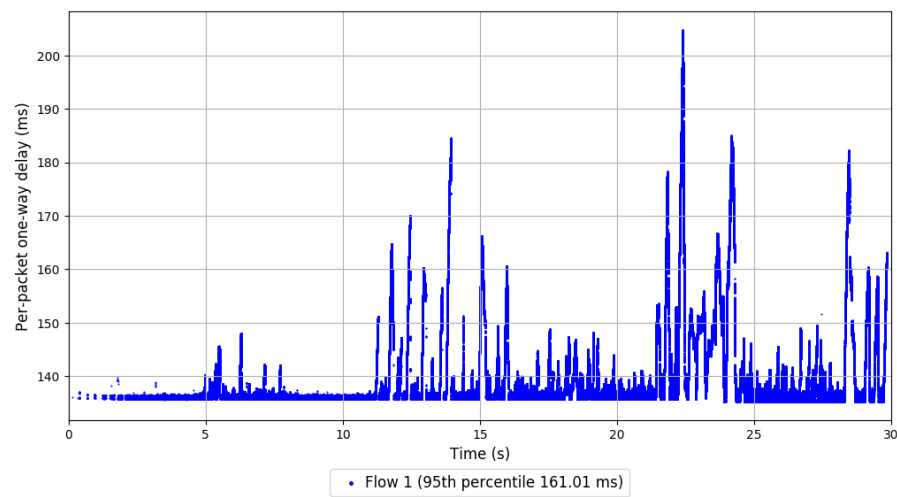
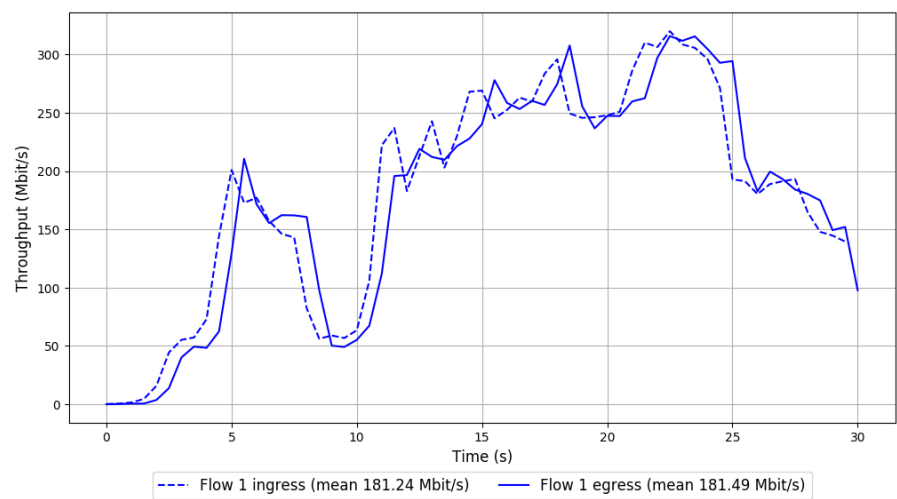
-- Flow 1:

Average throughput: 181.49 Mbit/s

95th percentile per-packet one-way delay: 161.010 ms

Loss rate: 0.77%

Run 8: Report of Copa — Data Link

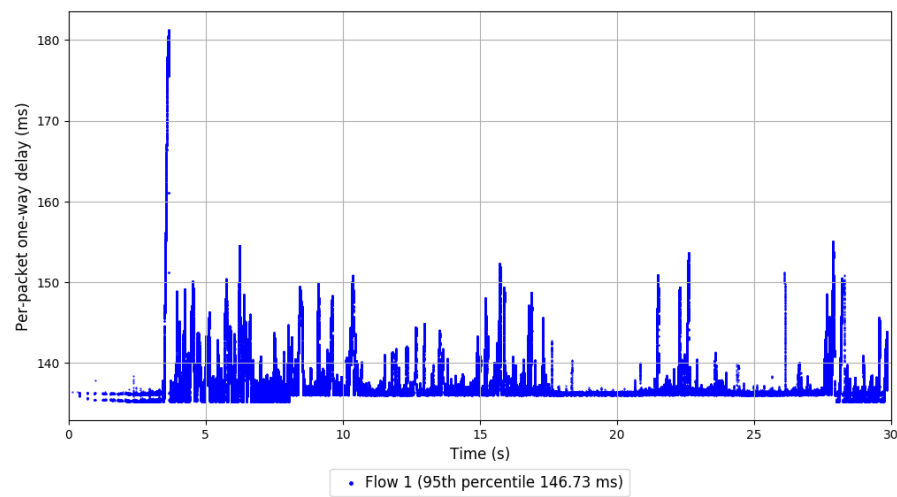
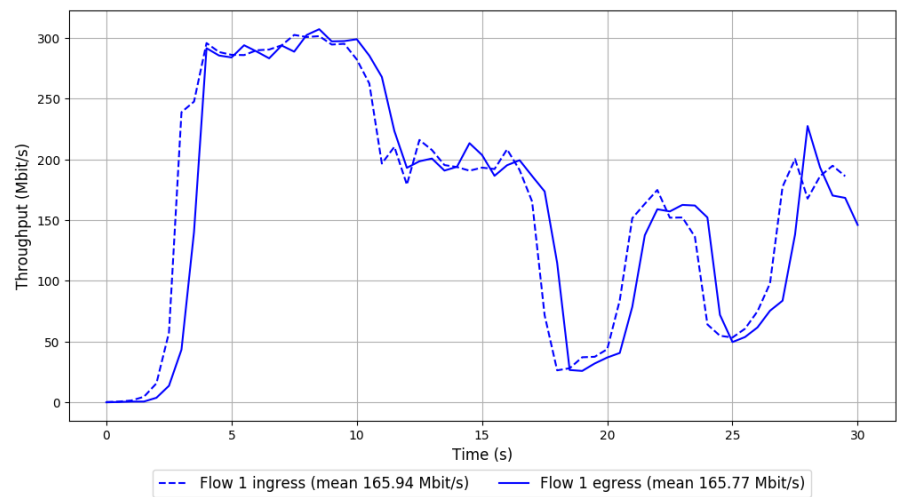


Run 9: Statistics of Copa

Start at: 2018-07-19 14:42:20
End at: 2018-07-19 14:42:50
Local clock offset: -0.137 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-19 15:36:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.77 Mbit/s
95th percentile per-packet one-way delay: 146.730 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 165.77 Mbit/s
95th percentile per-packet one-way delay: 146.730 ms
Loss rate: 1.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-19 15:05:26

End at: 2018-07-19 15:05:56

Local clock offset: -0.08 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-19 15:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.48 Mbit/s

95th percentile per-packet one-way delay: 156.574 ms

Loss rate: 1.43%

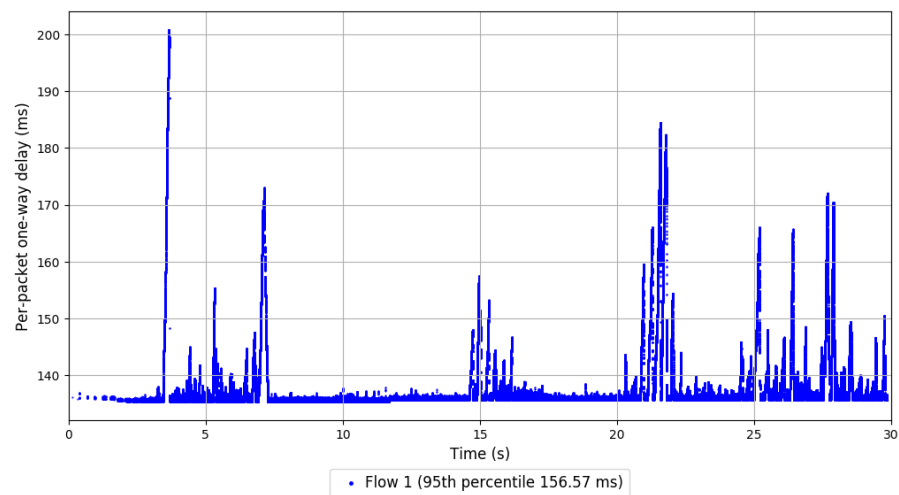
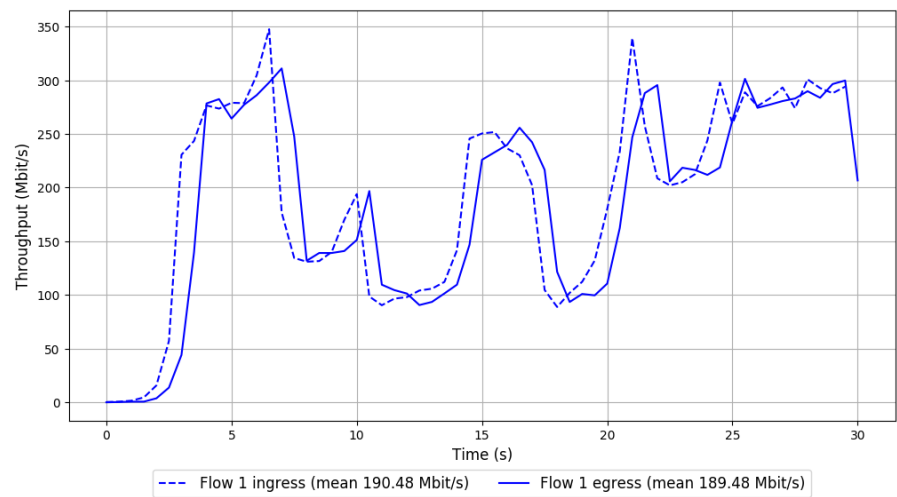
-- Flow 1:

Average throughput: 189.48 Mbit/s

95th percentile per-packet one-way delay: 156.574 ms

Loss rate: 1.43%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-19 11:33:43

End at: 2018-07-19 11:34:13

Local clock offset: -0.679 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-19 15:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.89 Mbit/s

95th percentile per-packet one-way delay: 144.713 ms

Loss rate: 0.44%

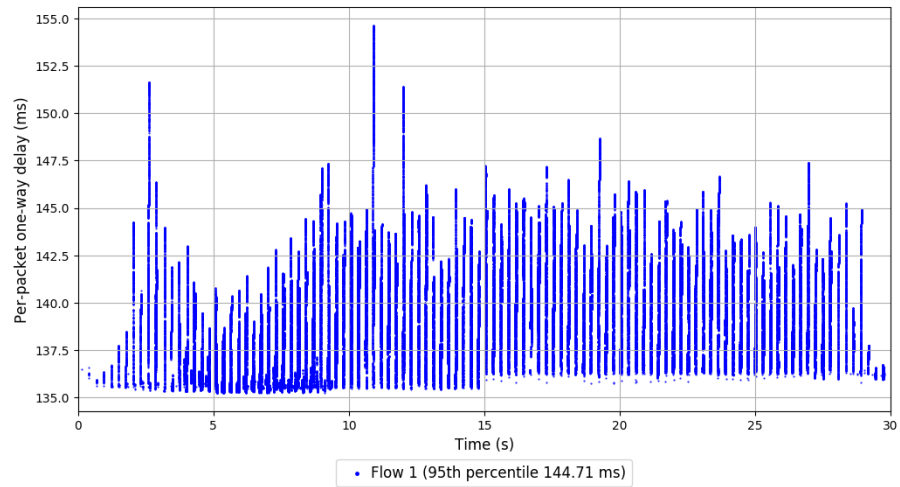
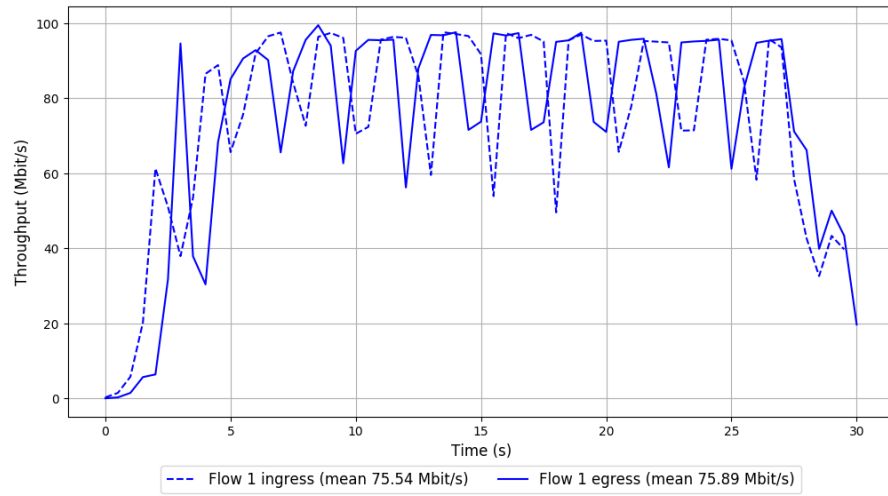
-- Flow 1:

Average throughput: 75.89 Mbit/s

95th percentile per-packet one-way delay: 144.713 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link

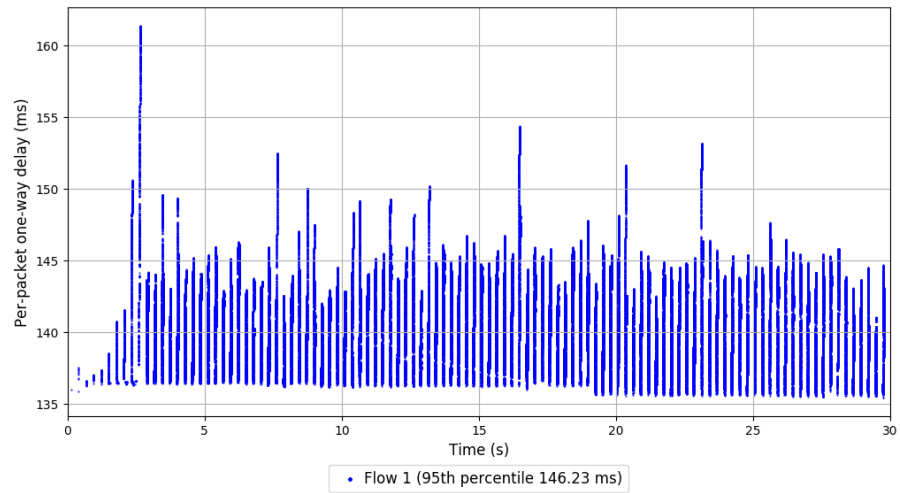
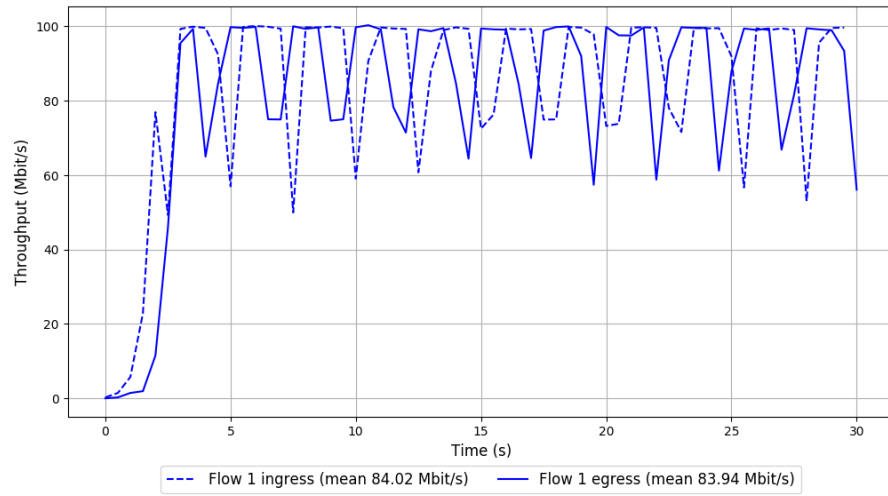


Run 2: Statistics of TCP Cubic

Start at: 2018-07-19 11:56:19
End at: 2018-07-19 11:56:49
Local clock offset: -0.791 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-19 15:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 146.227 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 146.227 ms
Loss rate: 0.99%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-19 12:18:48

End at: 2018-07-19 12:19:18

Local clock offset: -0.876 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-07-19 15:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.29 Mbit/s

95th percentile per-packet one-way delay: 143.206 ms

Loss rate: 0.62%

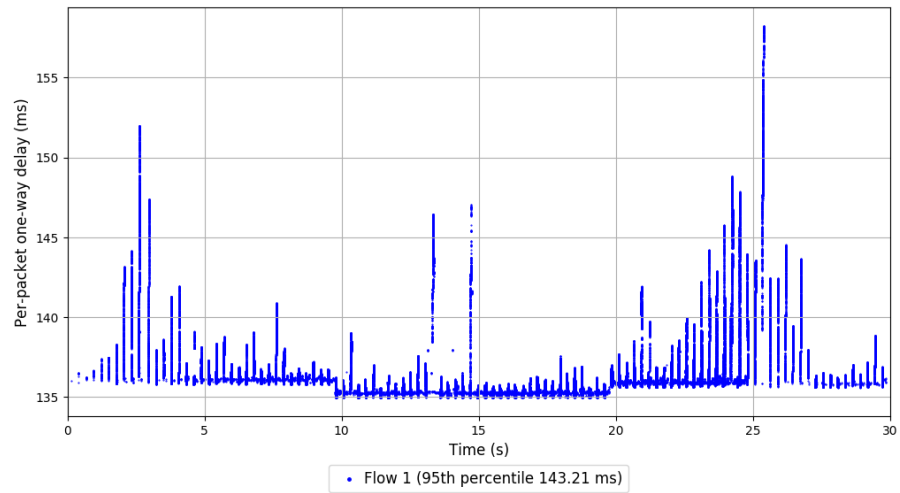
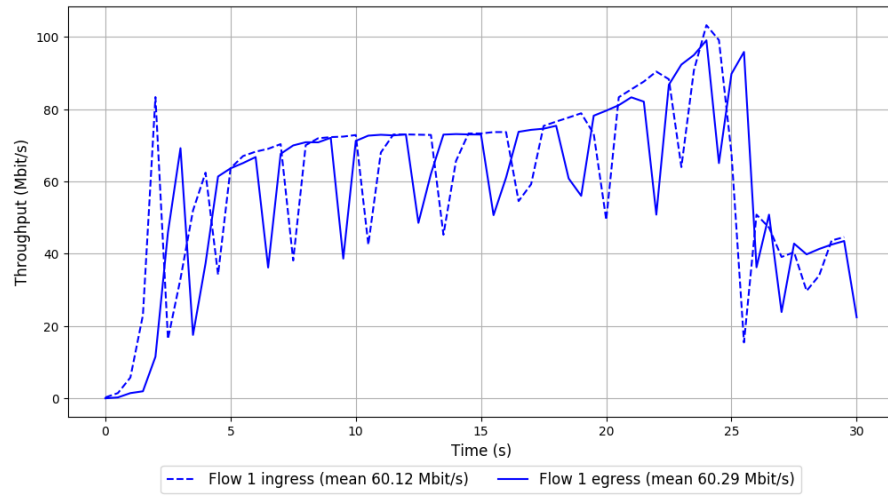
-- Flow 1:

Average throughput: 60.29 Mbit/s

95th percentile per-packet one-way delay: 143.206 ms

Loss rate: 0.62%

Run 3: Report of TCP Cubic — Data Link

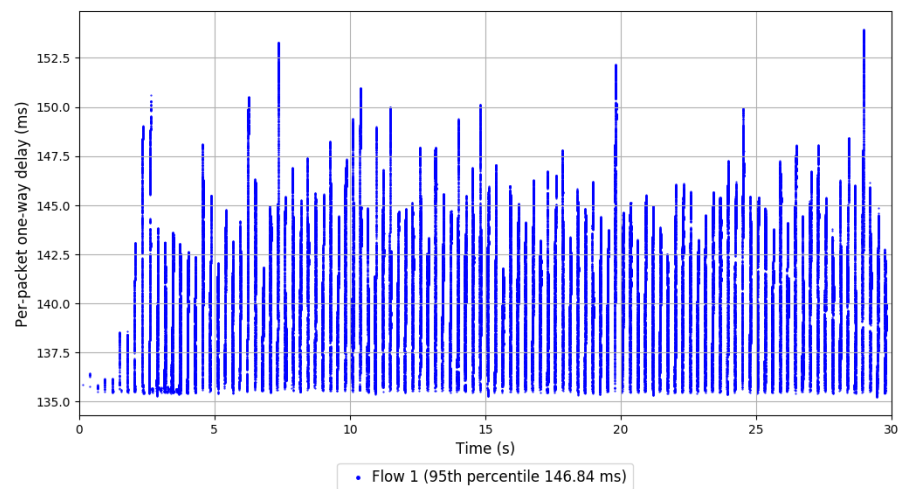
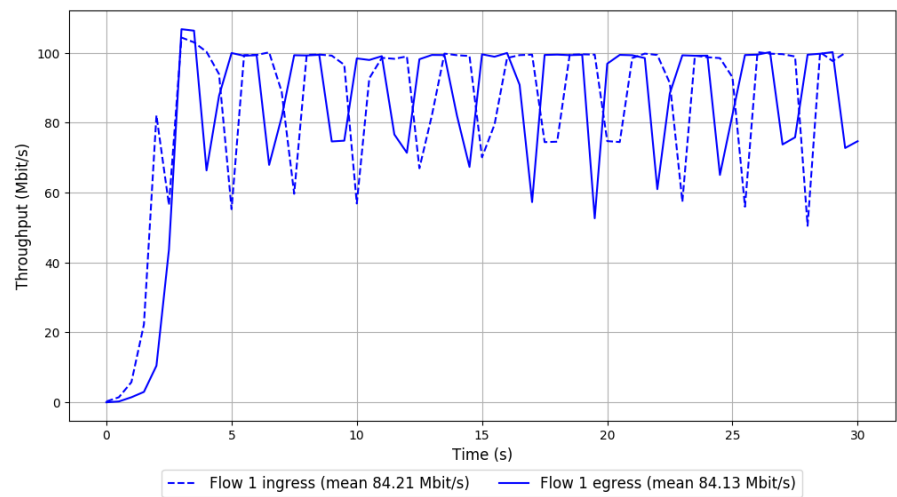


Run 4: Statistics of TCP Cubic

Start at: 2018-07-19 12:41:24
End at: 2018-07-19 12:41:54
Local clock offset: -1.039 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-19 15:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 146.840 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 146.840 ms
Loss rate: 0.99%

Run 4: Report of TCP Cubic — Data Link

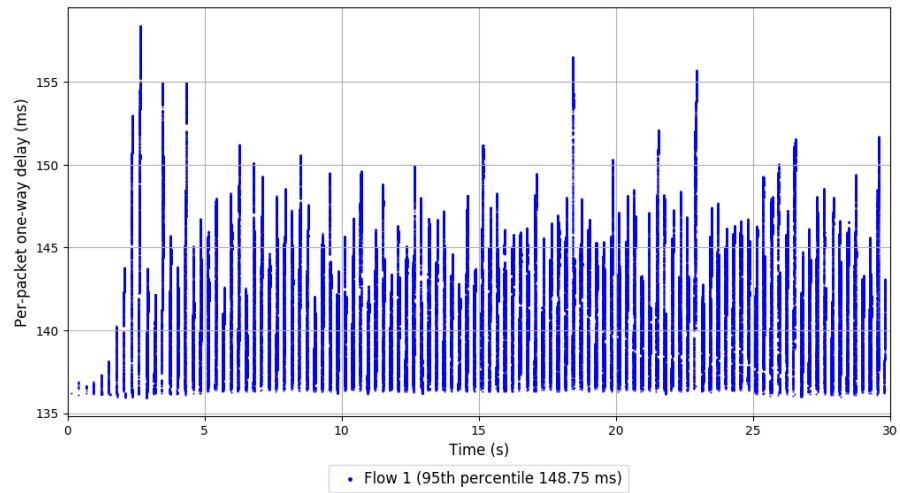
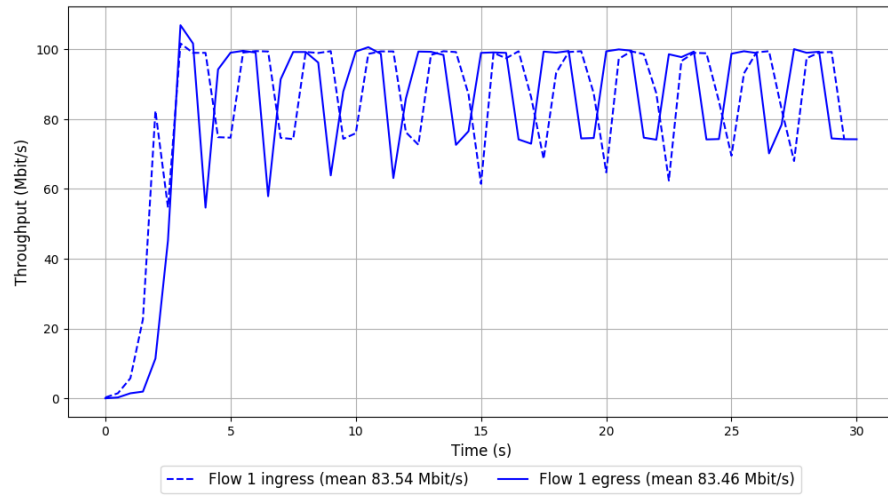


Run 5: Statistics of TCP Cubic

Start at: 2018-07-19 13:04:43
End at: 2018-07-19 13:05:13
Local clock offset: 0.05 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-19 15:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 148.754 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 148.754 ms
Loss rate: 0.99%

Run 5: Report of TCP Cubic — Data Link

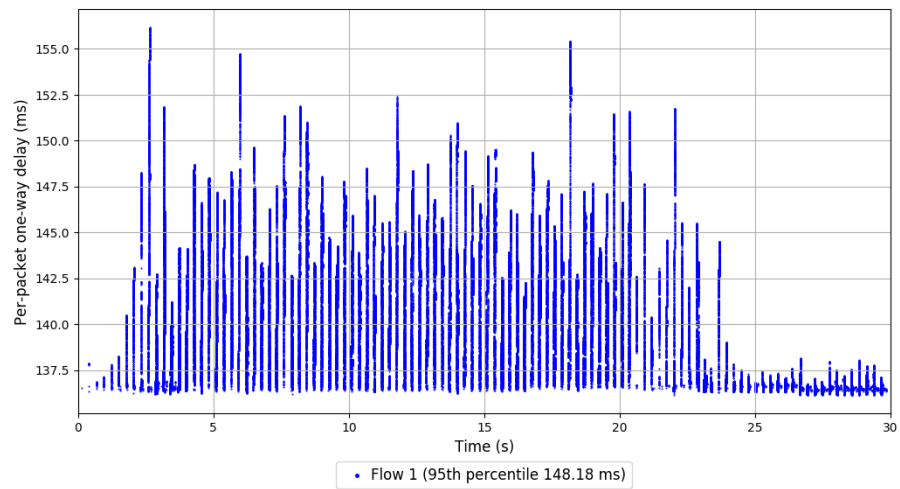
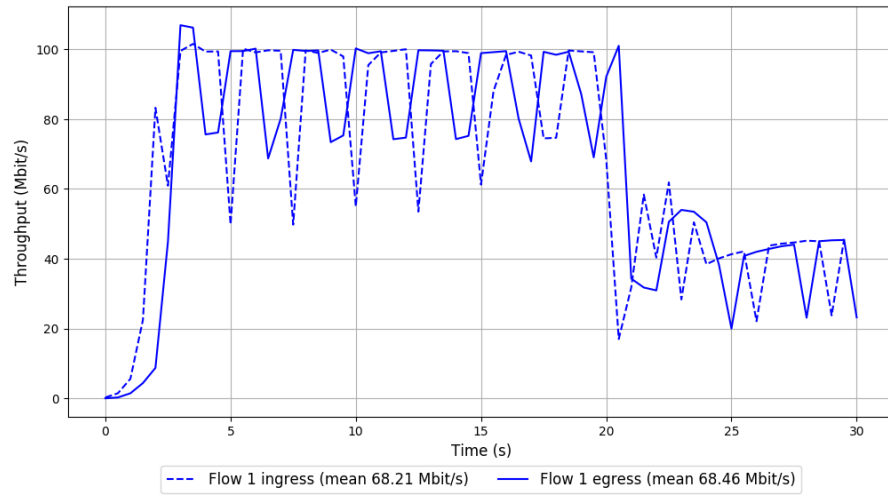


Run 6: Statistics of TCP Cubic

Start at: 2018-07-19 13:27:41
End at: 2018-07-19 13:28:11
Local clock offset: 0.209 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-19 15:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 148.180 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 148.180 ms
Loss rate: 0.56%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-19 13:50:43

End at: 2018-07-19 13:51:13

Local clock offset: 0.499 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-19 15:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 148.044 ms

Loss rate: 0.65%

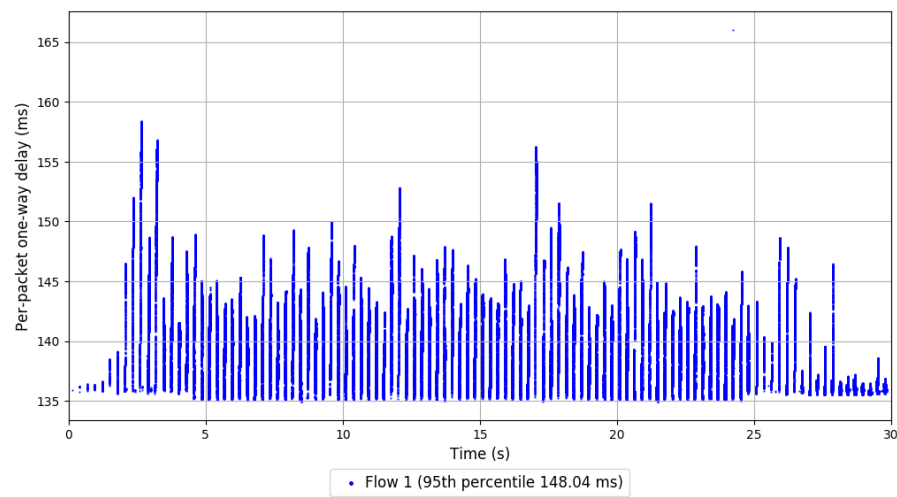
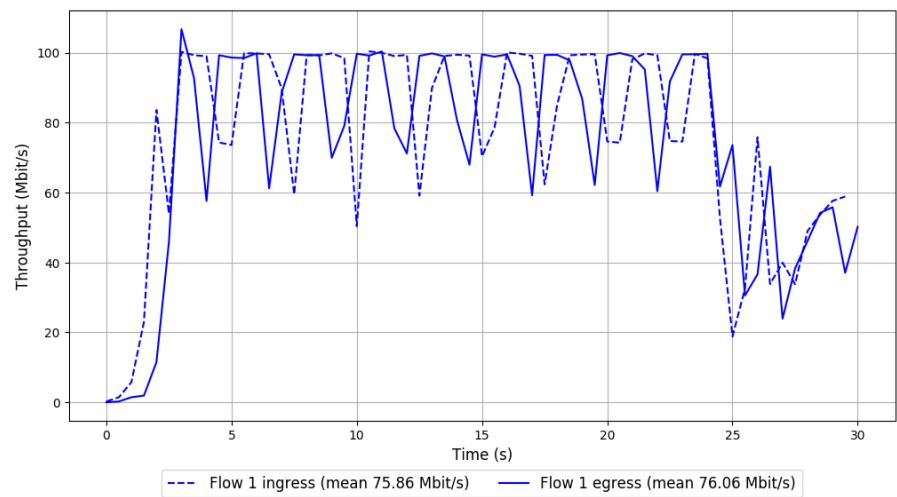
-- Flow 1:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 148.044 ms

Loss rate: 0.65%

Run 7: Report of TCP Cubic — Data Link

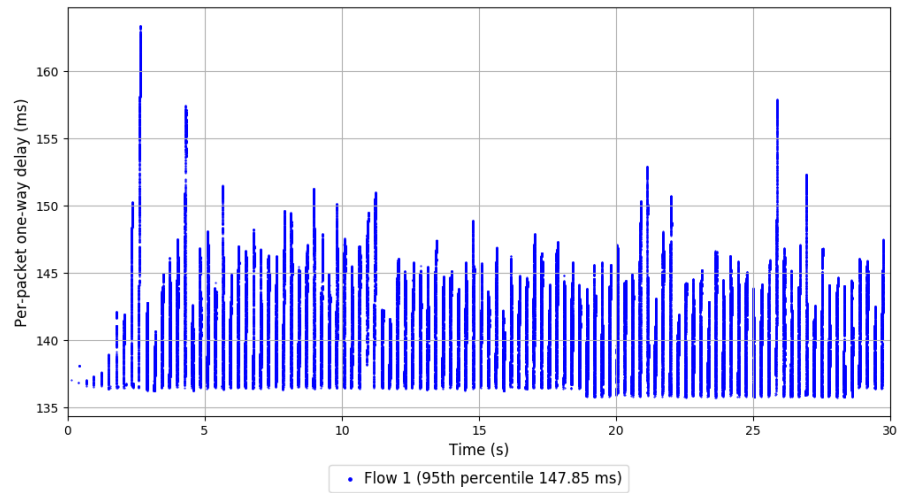
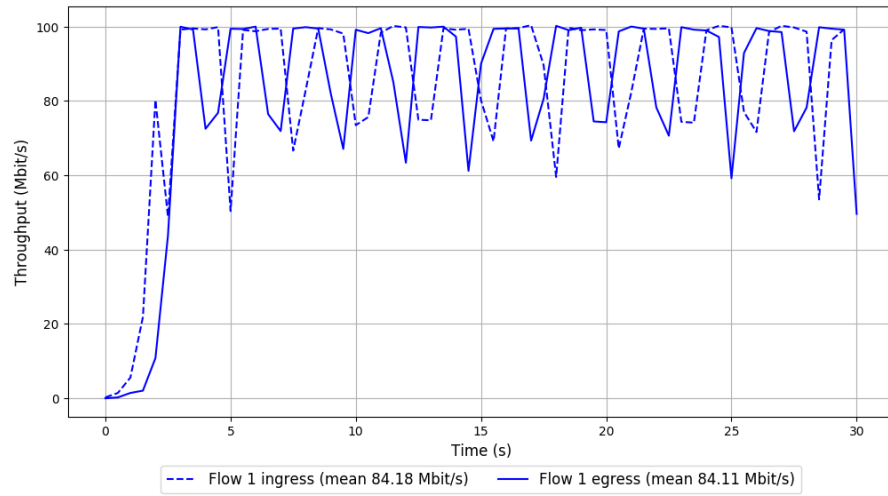


Run 8: Statistics of TCP Cubic

Start at: 2018-07-19 14:13:29
End at: 2018-07-19 14:13:59
Local clock offset: 0.723 ms
Remote clock offset: -0.474 ms

Below is generated by plot.py at 2018-07-19 15:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 147.847 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 84.11 Mbit/s
95th percentile per-packet one-way delay: 147.847 ms
Loss rate: 0.99%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-19 14:36:17

End at: 2018-07-19 14:36:47

Local clock offset: 0.144 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-07-19 15:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.83 Mbit/s

95th percentile per-packet one-way delay: 144.547 ms

Loss rate: 1.35%

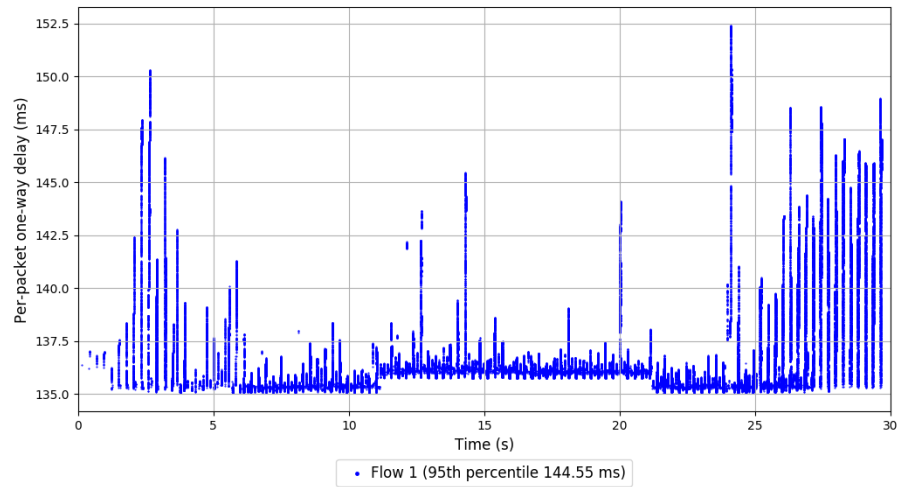
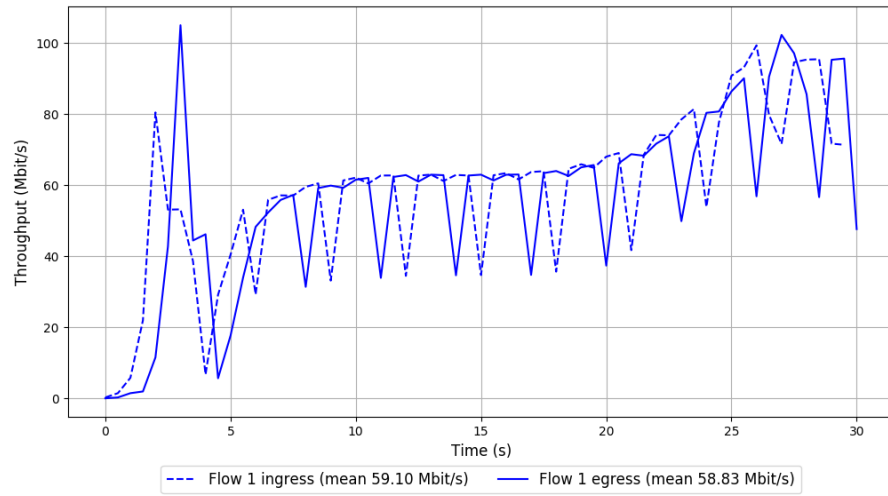
-- Flow 1:

Average throughput: 58.83 Mbit/s

95th percentile per-packet one-way delay: 144.547 ms

Loss rate: 1.35%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-19 14:59:19

End at: 2018-07-19 14:59:49

Local clock offset: -0.182 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-07-19 15:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 146.000 ms

Loss rate: 0.98%

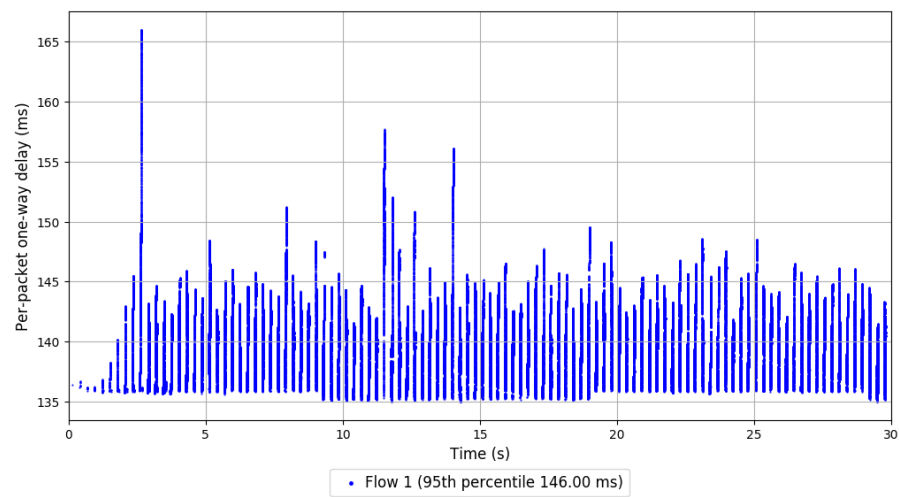
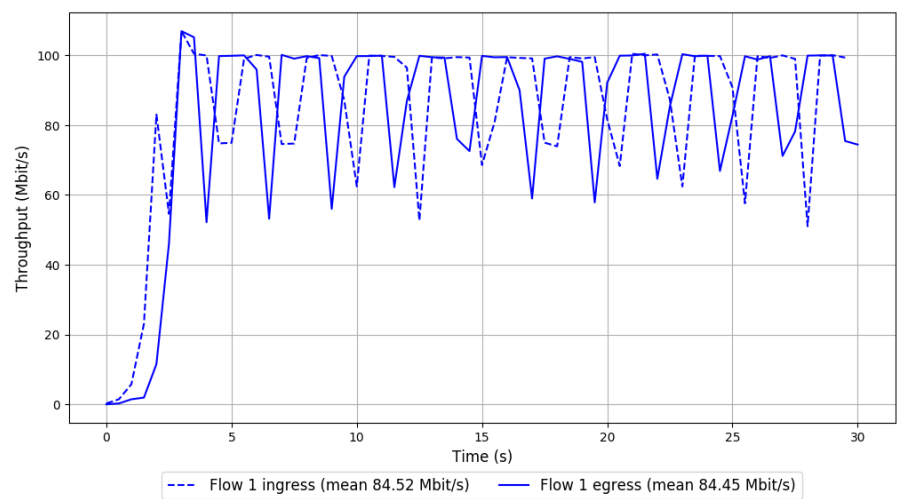
-- Flow 1:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 146.000 ms

Loss rate: 0.98%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-19 11:27:46

End at: 2018-07-19 11:28:16

Local clock offset: -0.774 ms

Remote clock offset: 0.328 ms

Below is generated by plot.py at 2018-07-19 15:50:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 650.60 Mbit/s

95th percentile per-packet one-way delay: 225.605 ms

Loss rate: 6.73%

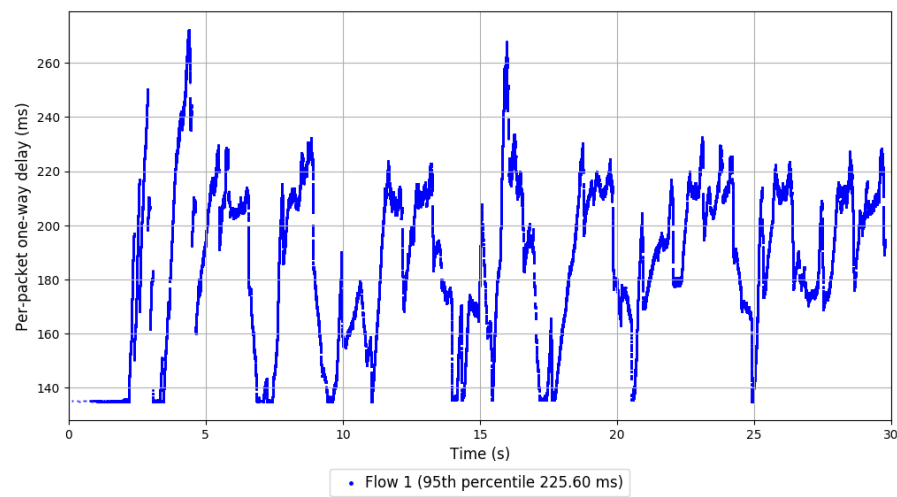
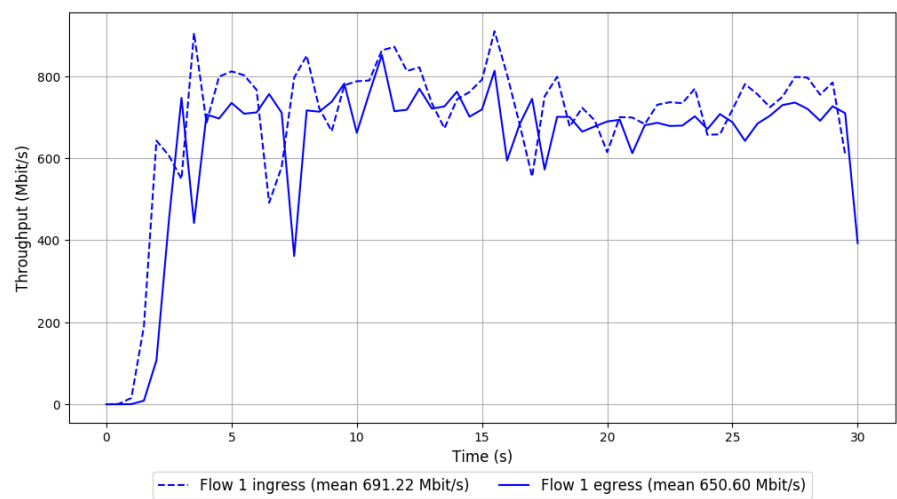
-- Flow 1:

Average throughput: 650.60 Mbit/s

95th percentile per-packet one-way delay: 225.605 ms

Loss rate: 6.73%

Run 1: Report of FillP — Data Link

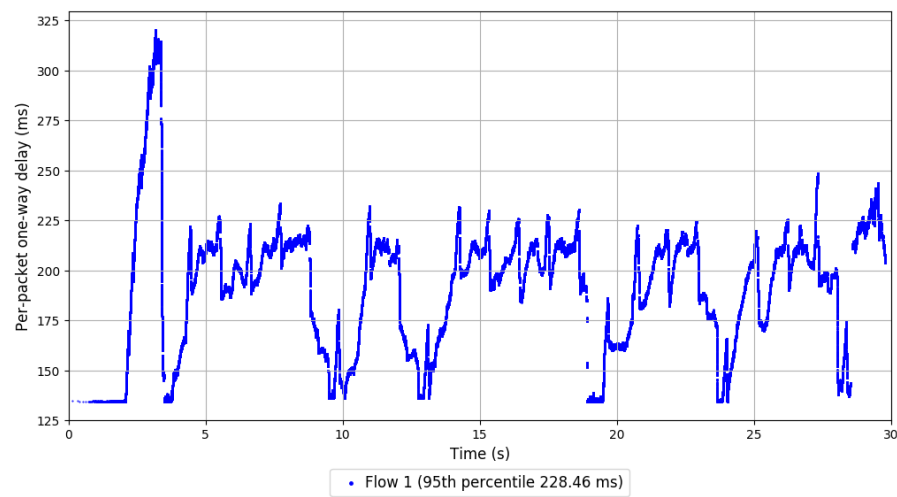
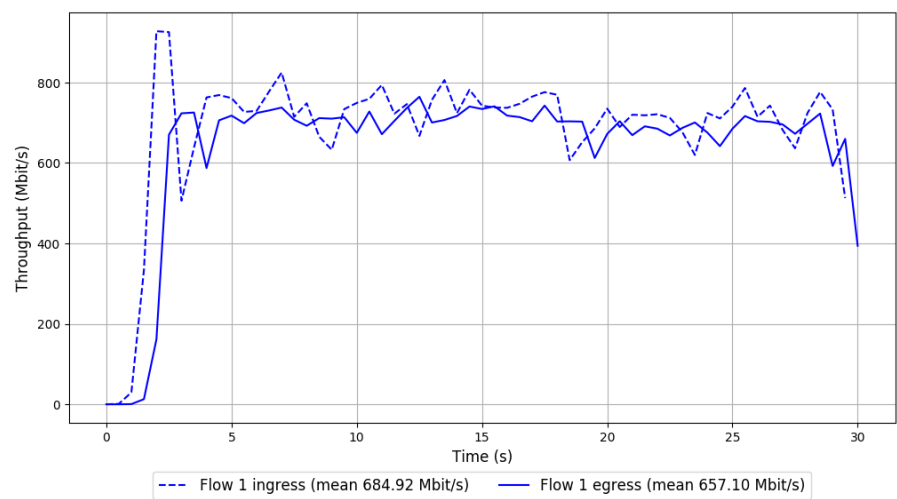


Run 2: Statistics of FillP

Start at: 2018-07-19 11:50:20
End at: 2018-07-19 11:50:50
Local clock offset: -0.903 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-19 15:51:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 657.10 Mbit/s
95th percentile per-packet one-way delay: 228.455 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 657.10 Mbit/s
95th percentile per-packet one-way delay: 228.455 ms
Loss rate: 4.94%

Run 2: Report of FillP — Data Link

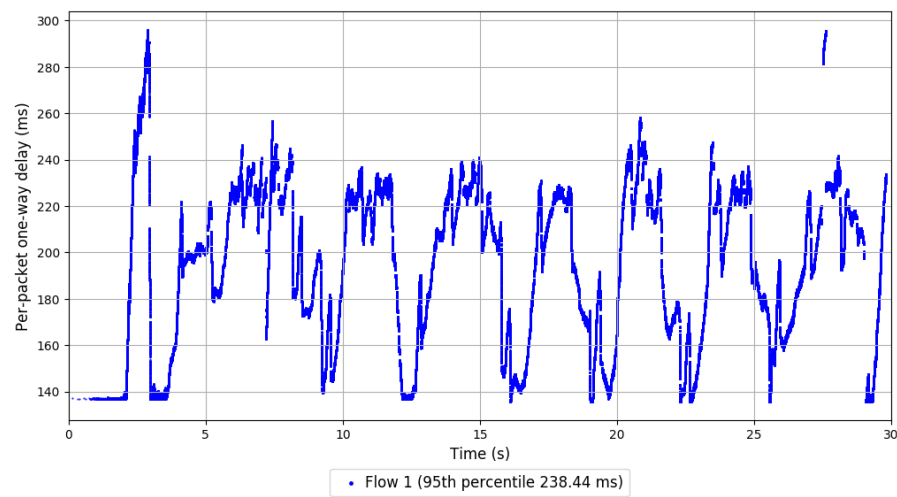
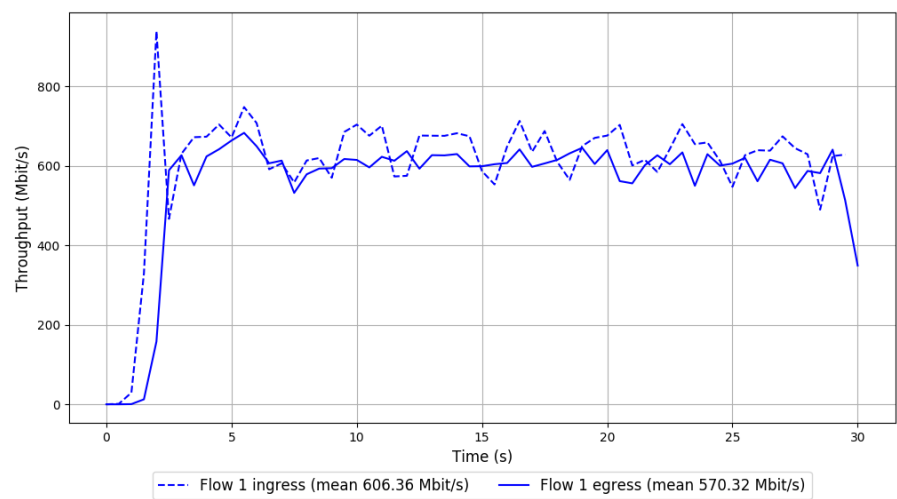


Run 3: Statistics of FillP

Start at: 2018-07-19 12:12:54
End at: 2018-07-19 12:13:24
Local clock offset: -0.994 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-07-19 15:51:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.32 Mbit/s
95th percentile per-packet one-way delay: 238.435 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 570.32 Mbit/s
95th percentile per-packet one-way delay: 238.435 ms
Loss rate: 6.81%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-19 12:35:26

End at: 2018-07-19 12:35:56

Local clock offset: -1.06 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-19 15:51:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 580.75 Mbit/s

95th percentile per-packet one-way delay: 253.129 ms

Loss rate: 10.42%

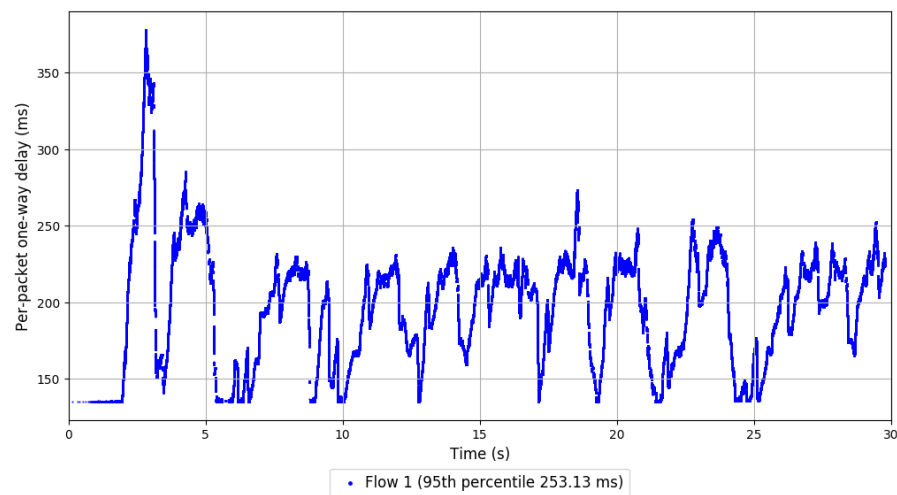
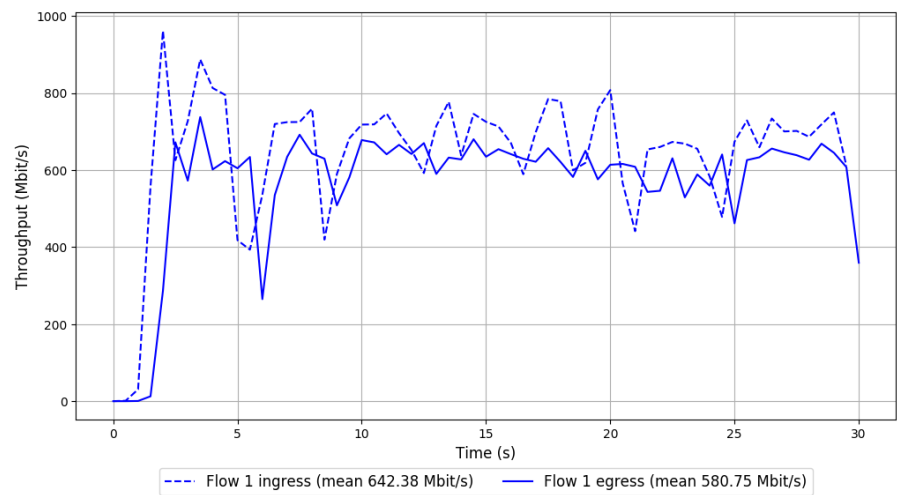
-- Flow 1:

Average throughput: 580.75 Mbit/s

95th percentile per-packet one-way delay: 253.129 ms

Loss rate: 10.42%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-19 12:58:32

End at: 2018-07-19 12:59:02

Local clock offset: -0.123 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-07-19 15:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 677.27 Mbit/s

95th percentile per-packet one-way delay: 342.251 ms

Loss rate: 8.29%

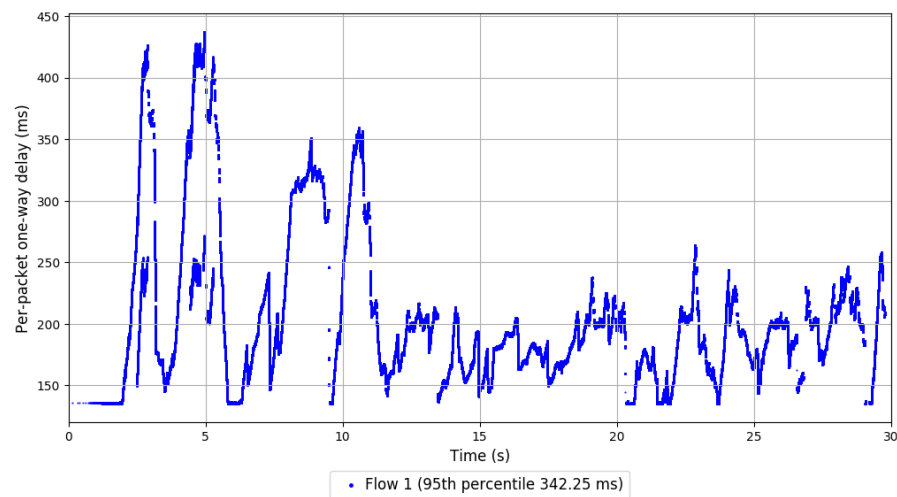
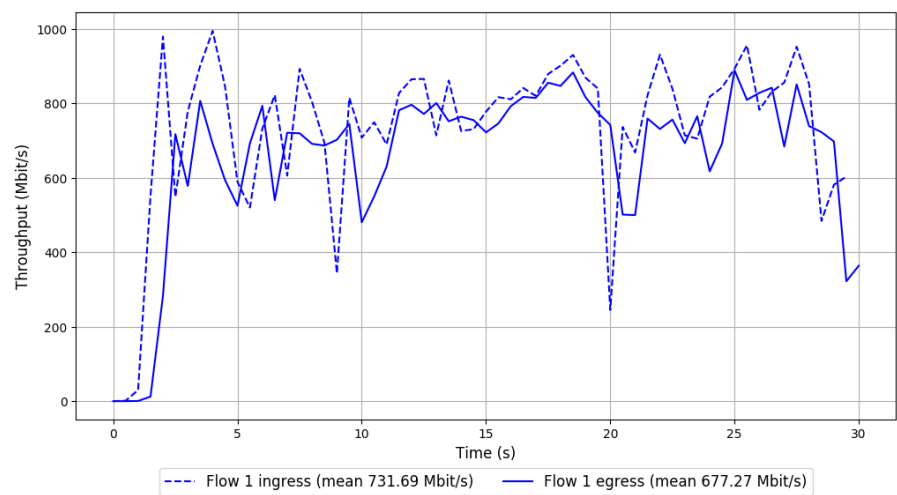
-- Flow 1:

Average throughput: 677.27 Mbit/s

95th percentile per-packet one-way delay: 342.251 ms

Loss rate: 8.29%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-19 13:21:39

End at: 2018-07-19 13:22:09

Local clock offset: 0.066 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-07-19 15:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 607.47 Mbit/s

95th percentile per-packet one-way delay: 241.148 ms

Loss rate: 9.00%

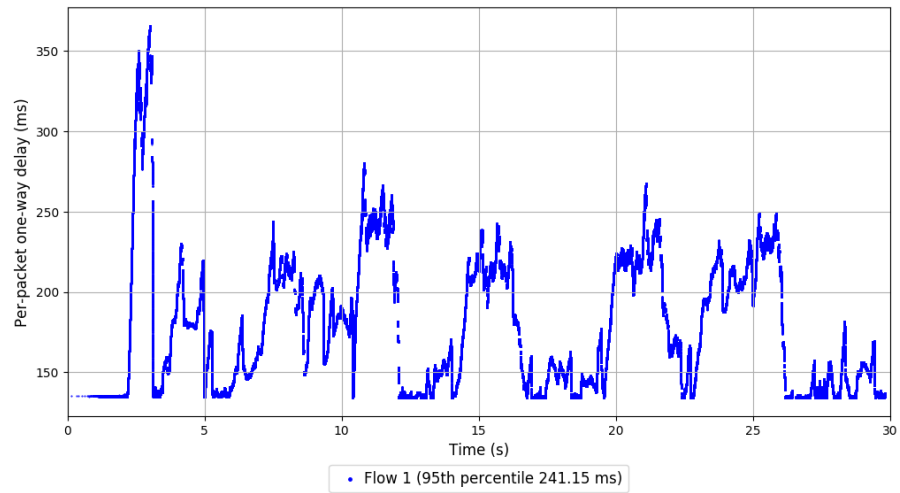
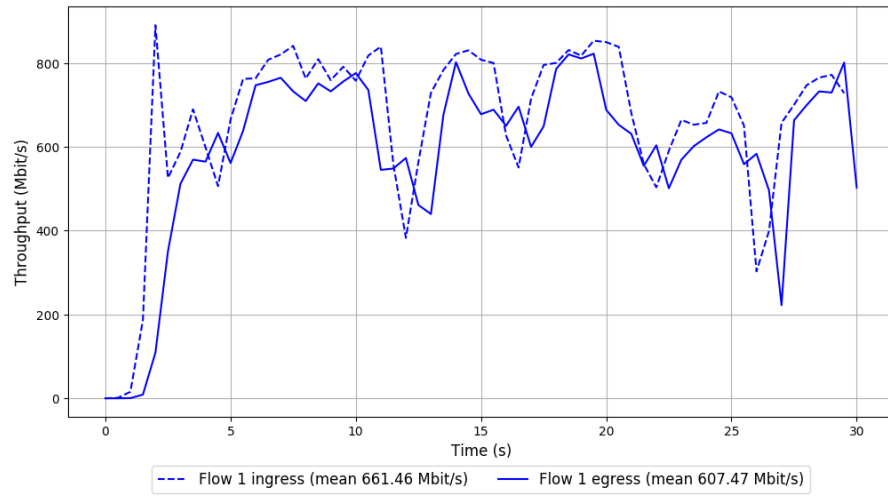
-- Flow 1:

Average throughput: 607.47 Mbit/s

95th percentile per-packet one-way delay: 241.148 ms

Loss rate: 9.00%

Run 6: Report of FillP — Data Link

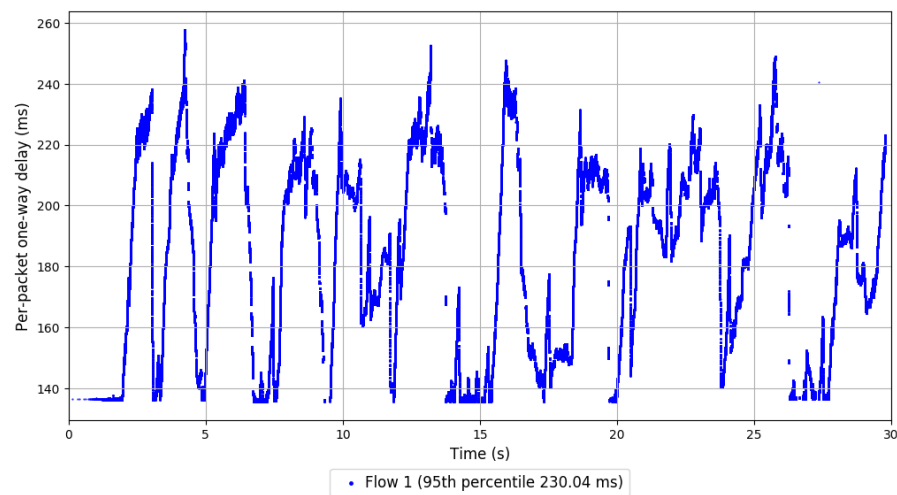
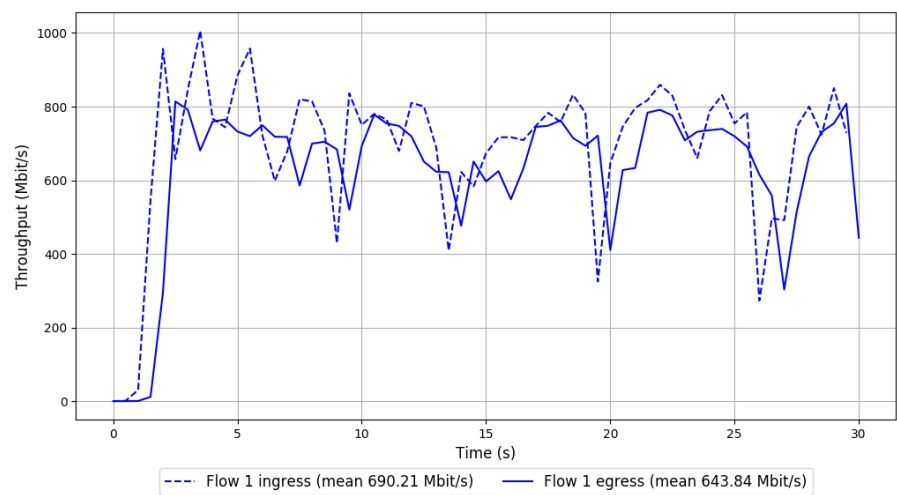


Run 7: Statistics of FillP

Start at: 2018-07-19 13:44:43
End at: 2018-07-19 13:45:13
Local clock offset: 0.534 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-19 15:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 643.84 Mbit/s
95th percentile per-packet one-way delay: 230.041 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 643.84 Mbit/s
95th percentile per-packet one-way delay: 230.041 ms
Loss rate: 7.57%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-19 14:07:26

End at: 2018-07-19 14:07:56

Local clock offset: 0.861 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-19 15:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 662.53 Mbit/s

95th percentile per-packet one-way delay: 231.197 ms

Loss rate: 8.30%

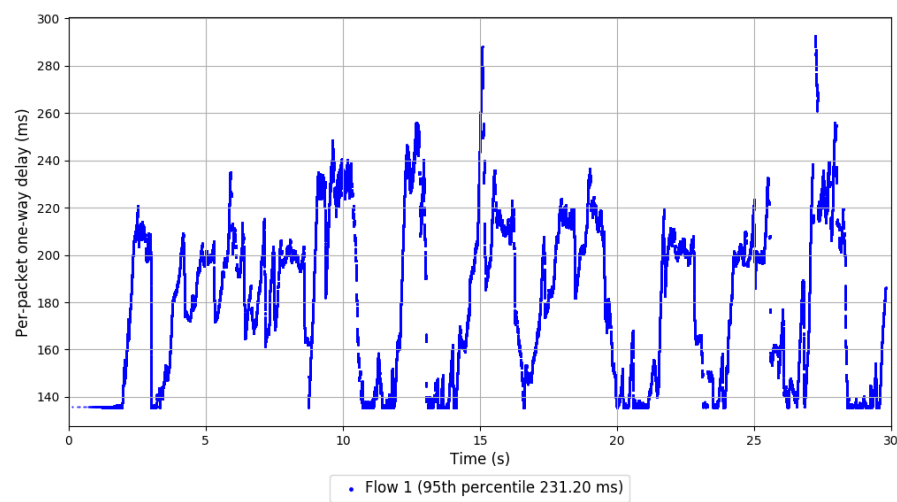
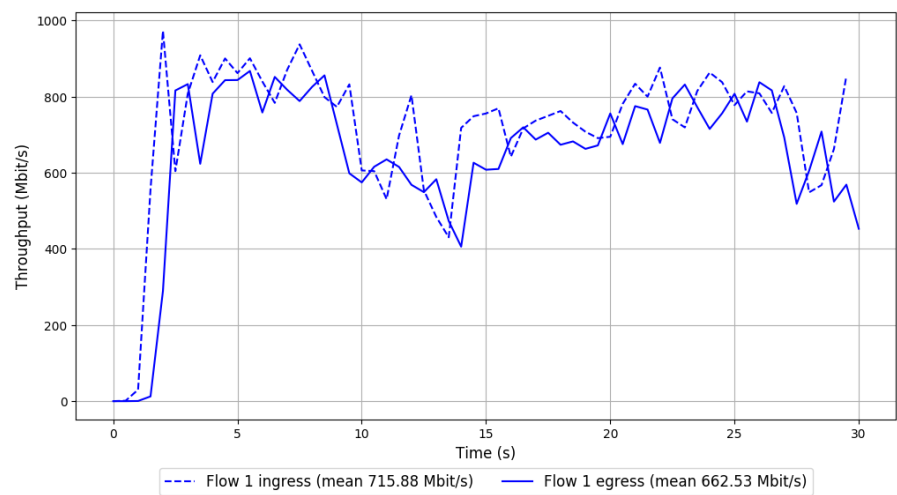
-- Flow 1:

Average throughput: 662.53 Mbit/s

95th percentile per-packet one-way delay: 231.197 ms

Loss rate: 8.30%

Run 8: Report of FillP — Data Link

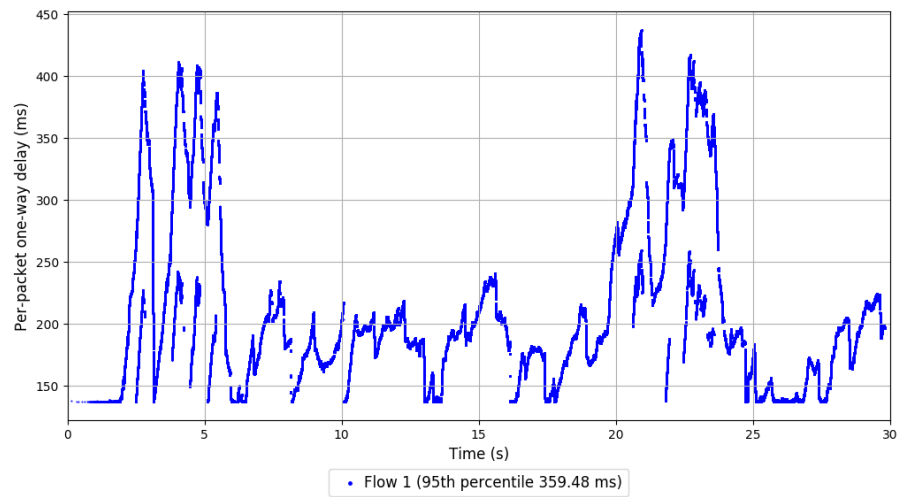
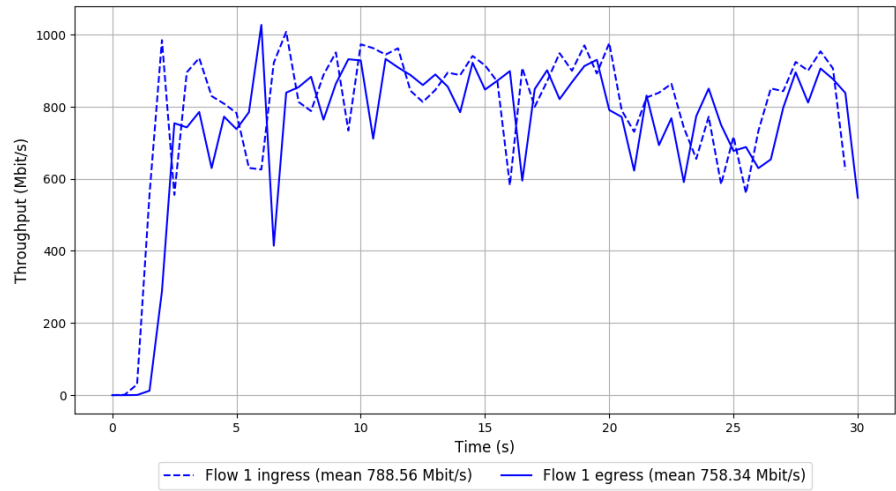


Run 9: Statistics of FillP

Start at: 2018-07-19 14:30:12
End at: 2018-07-19 14:30:42
Local clock offset: 0.356 ms
Remote clock offset: -0.512 ms

Below is generated by plot.py at 2018-07-19 16:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 758.34 Mbit/s
95th percentile per-packet one-way delay: 359.478 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 758.34 Mbit/s
95th percentile per-packet one-way delay: 359.478 ms
Loss rate: 4.71%

Run 9: Report of FillP — Data Link

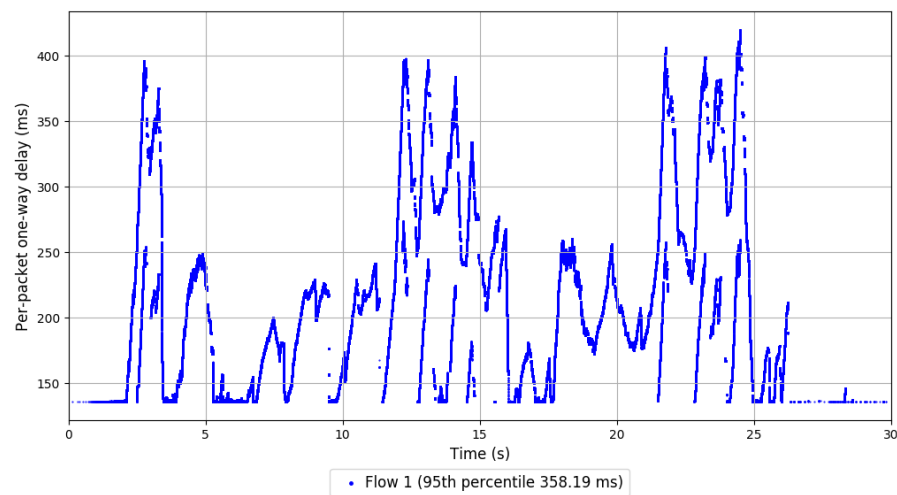
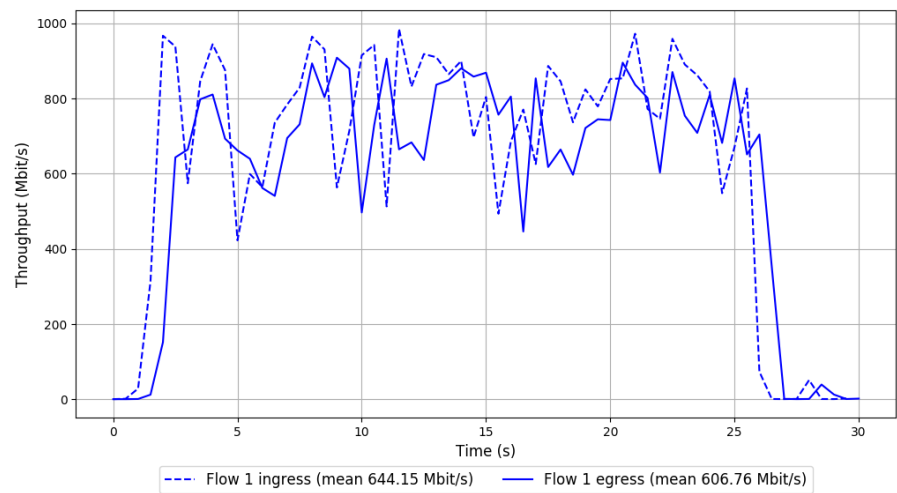


Run 10: Statistics of FillP

Start at: 2018-07-19 14:53:17
End at: 2018-07-19 14:53:47
Local clock offset: -0.37 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-19 16:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 606.76 Mbit/s
95th percentile per-packet one-way delay: 358.191 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 606.76 Mbit/s
95th percentile per-packet one-way delay: 358.191 ms
Loss rate: 6.25%

Run 10: Report of FillP — Data Link

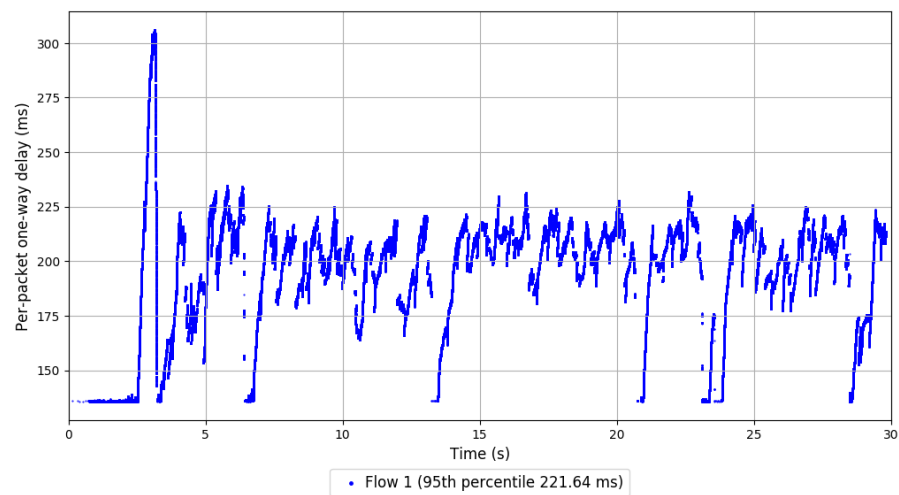
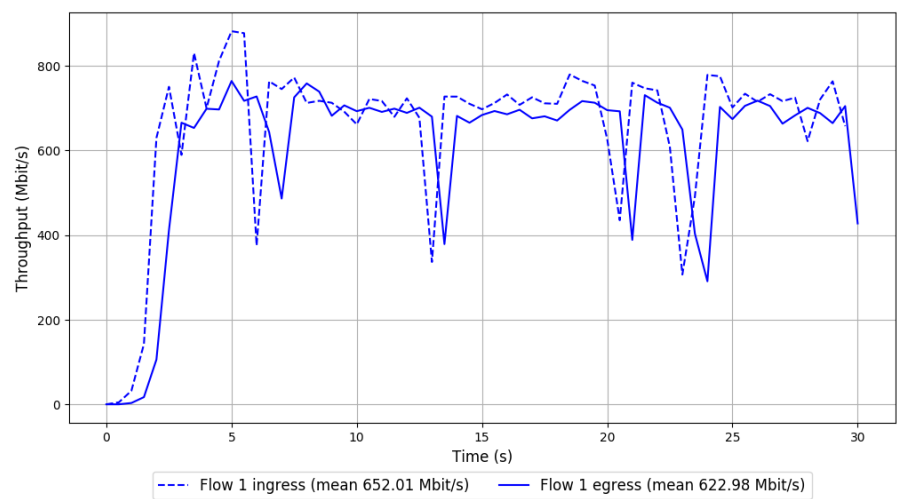


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-19 11:30:35
End at: 2018-07-19 11:31:05
Local clock offset: -0.899 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-19 16:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 622.98 Mbit/s
95th percentile per-packet one-way delay: 221.643 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 622.98 Mbit/s
95th percentile per-packet one-way delay: 221.643 ms
Loss rate: 5.32%

Run 1: Report of FillP-Sheep — Data Link

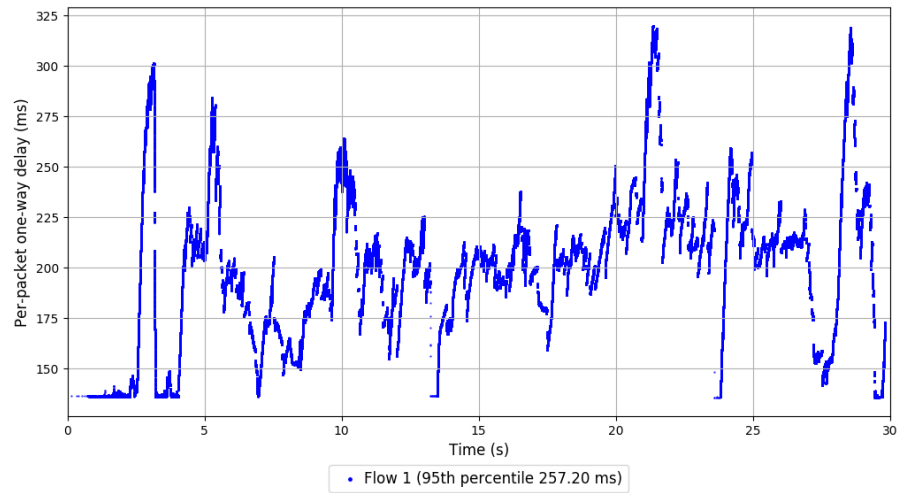
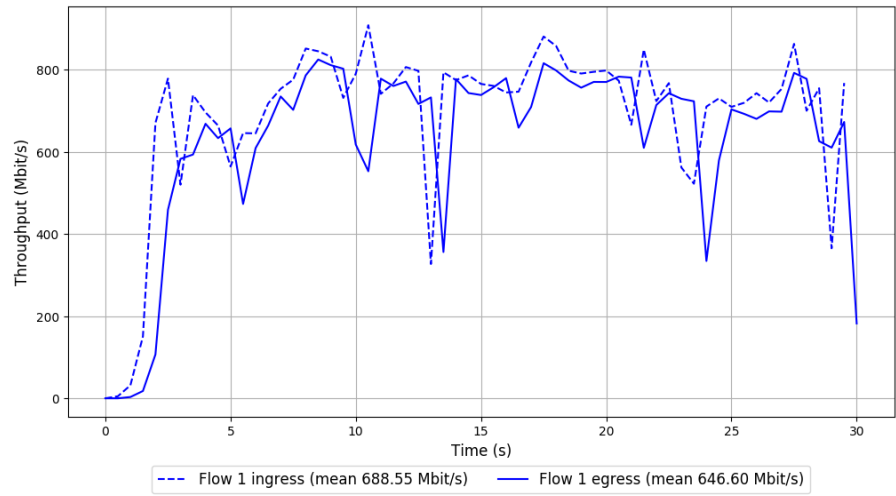


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-19 11:53:08
End at: 2018-07-19 11:53:38
Local clock offset: -0.817 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-19 16:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 646.60 Mbit/s
95th percentile per-packet one-way delay: 257.204 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 646.60 Mbit/s
95th percentile per-packet one-way delay: 257.204 ms
Loss rate: 6.95%

Run 2: Report of FillP-Sheep — Data Link

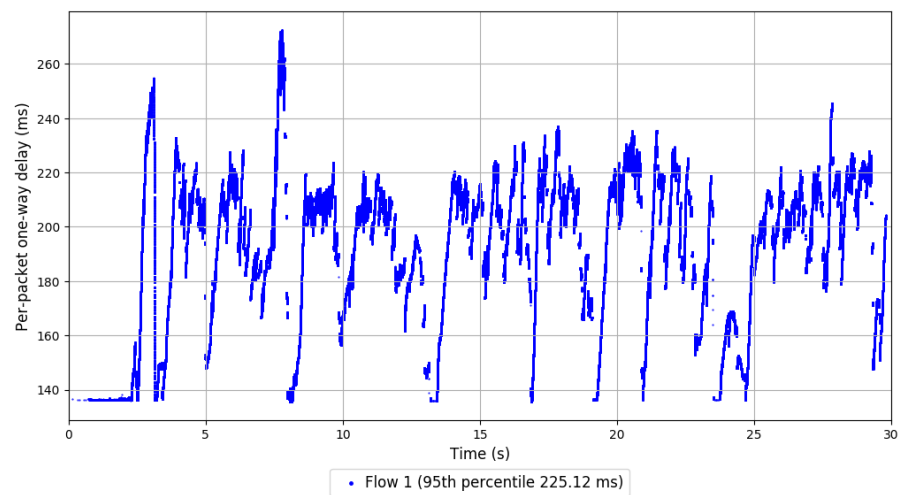
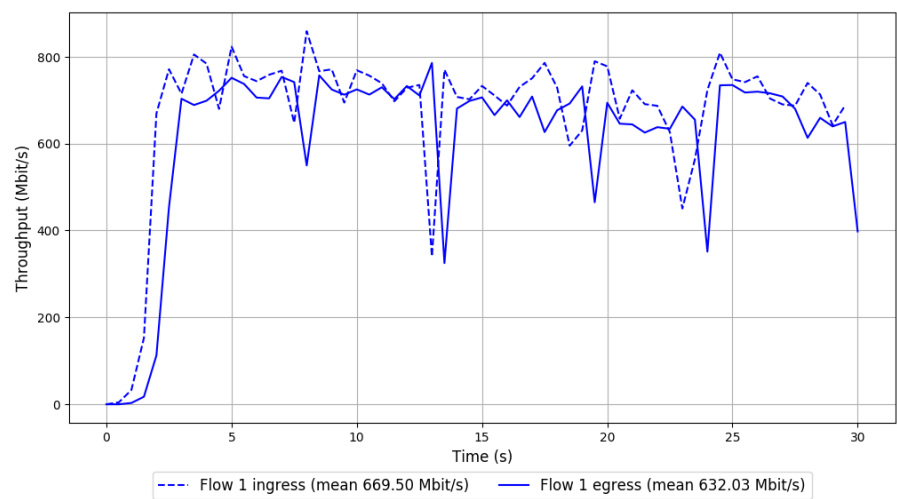


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-19 12:15:40
End at: 2018-07-19 12:16:10
Local clock offset: -1.089 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-19 16:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 632.03 Mbit/s
95th percentile per-packet one-way delay: 225.115 ms
Loss rate: 6.46%
-- Flow 1:
Average throughput: 632.03 Mbit/s
95th percentile per-packet one-way delay: 225.115 ms
Loss rate: 6.46%

Run 3: Report of FillP-Sheep — Data Link

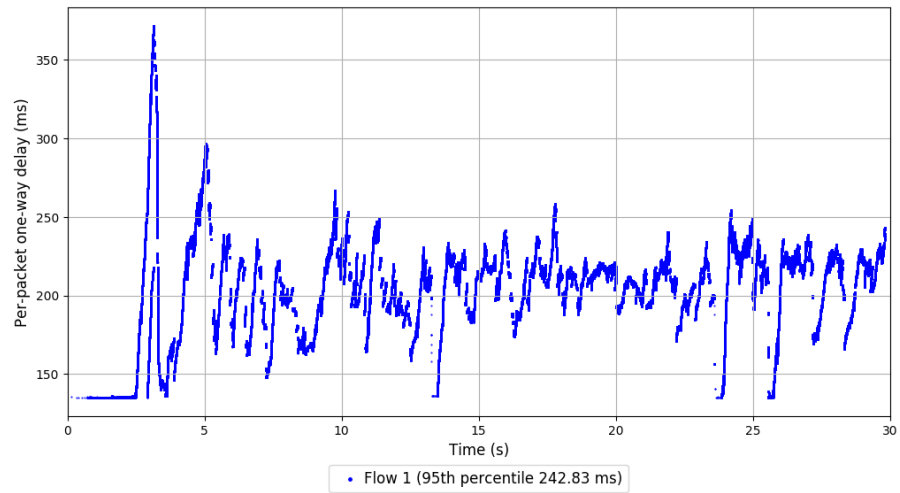
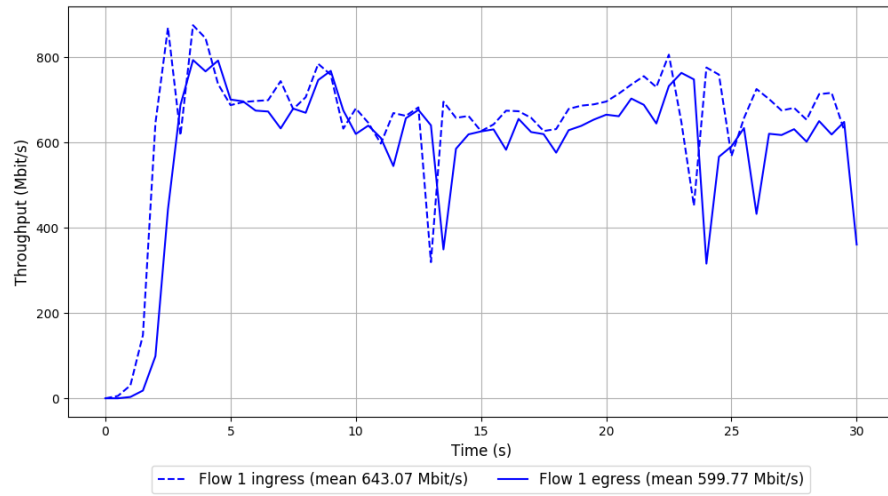


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-19 12:38:14
End at: 2018-07-19 12:38:44
Local clock offset: -1.085 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-19 16:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 599.77 Mbit/s
95th percentile per-packet one-way delay: 242.828 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 599.77 Mbit/s
95th percentile per-packet one-way delay: 242.828 ms
Loss rate: 7.57%

Run 4: Report of FillP-Sheep — Data Link

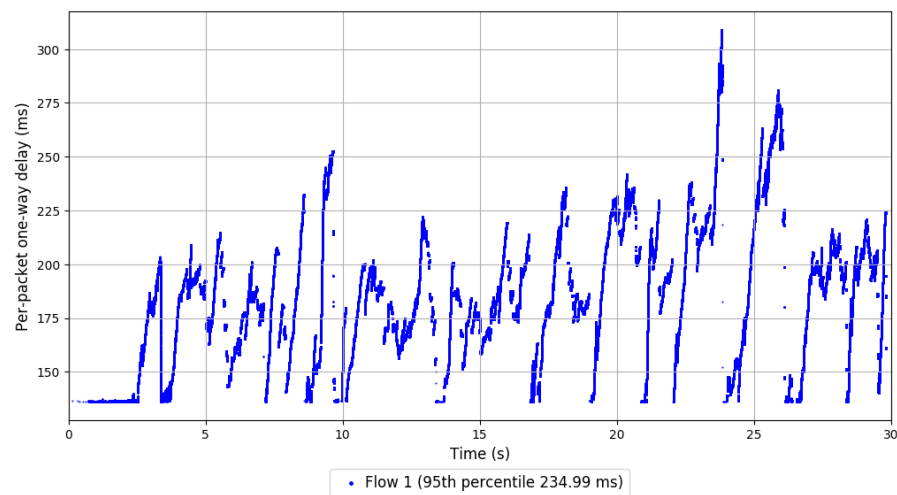
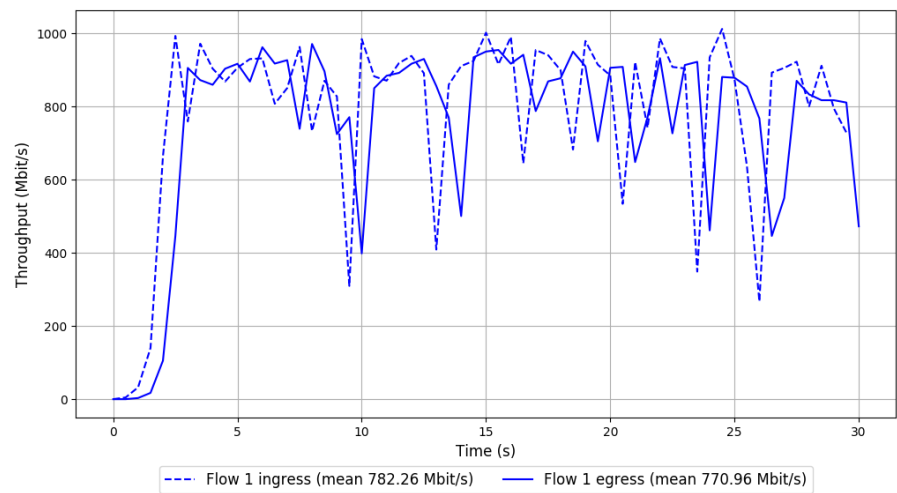


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-19 13:01:25
End at: 2018-07-19 13:01:55
Local clock offset: -0.155 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-19 16:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 770.96 Mbit/s
95th percentile per-packet one-way delay: 234.990 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 770.96 Mbit/s
95th percentile per-packet one-way delay: 234.990 ms
Loss rate: 2.35%

Run 5: Report of FillP-Sheep — Data Link

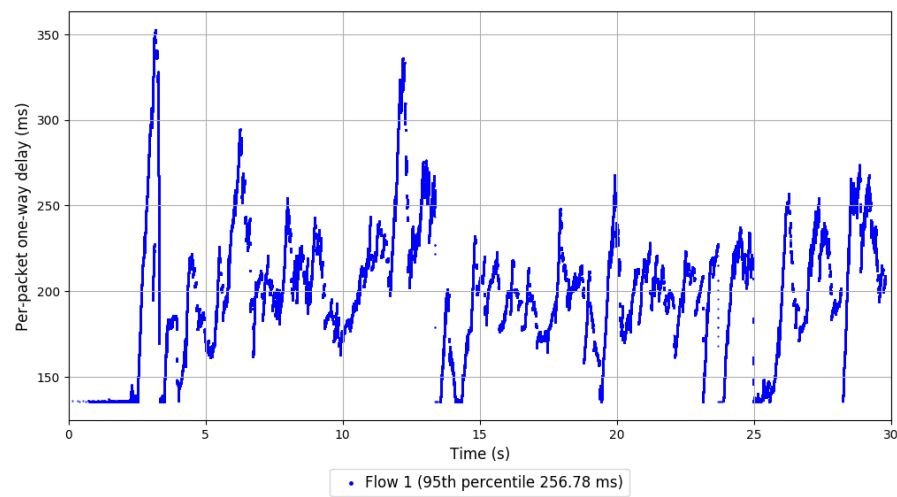
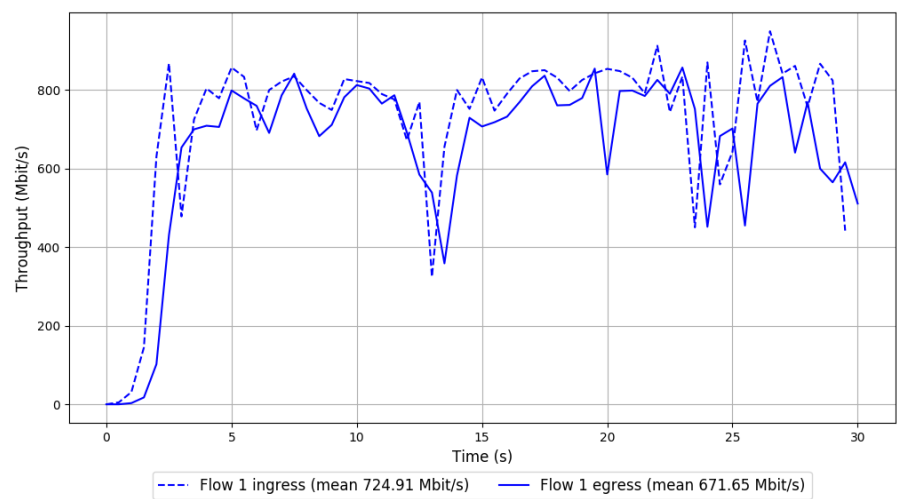


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-19 13:24:28
End at: 2018-07-19 13:24:58
Local clock offset: 0.068 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-19 16:09:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 671.65 Mbit/s
95th percentile per-packet one-way delay: 256.778 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 671.65 Mbit/s
95th percentile per-packet one-way delay: 256.778 ms
Loss rate: 8.12%

Run 6: Report of FillP-Sheep — Data Link

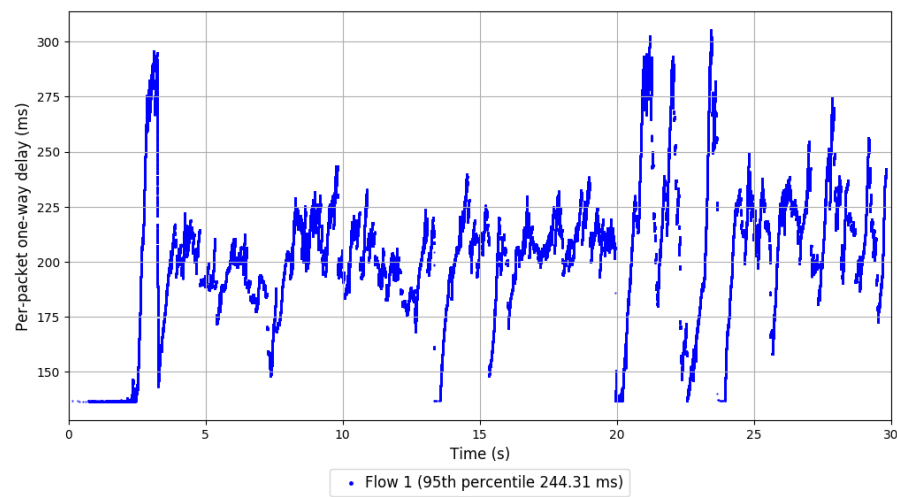
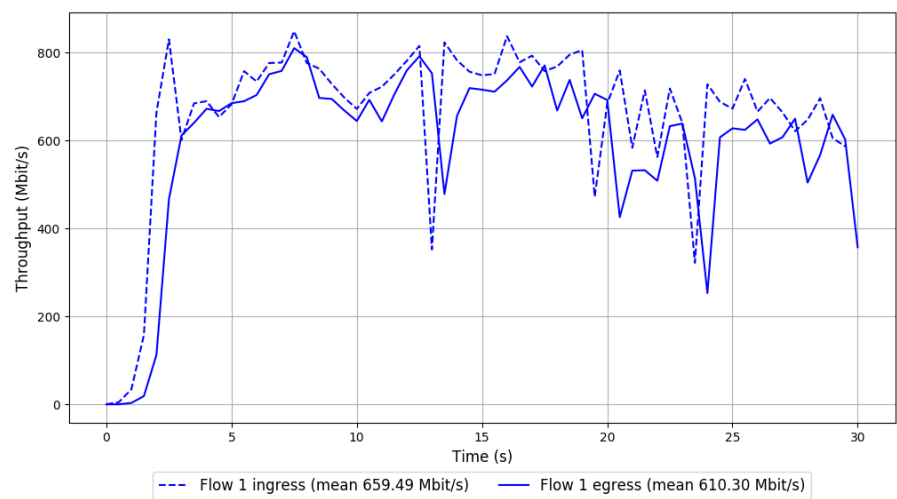


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-19 13:47:33
End at: 2018-07-19 13:48:03
Local clock offset: 0.531 ms
Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-07-19 16:18:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 610.30 Mbit/s
95th percentile per-packet one-way delay: 244.315 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 610.30 Mbit/s
95th percentile per-packet one-way delay: 244.315 ms
Loss rate: 8.31%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-19 14:10:17

End at: 2018-07-19 14:10:47

Local clock offset: 0.772 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-07-19 16:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 659.14 Mbit/s

95th percentile per-packet one-way delay: 240.619 ms

Loss rate: 7.31%

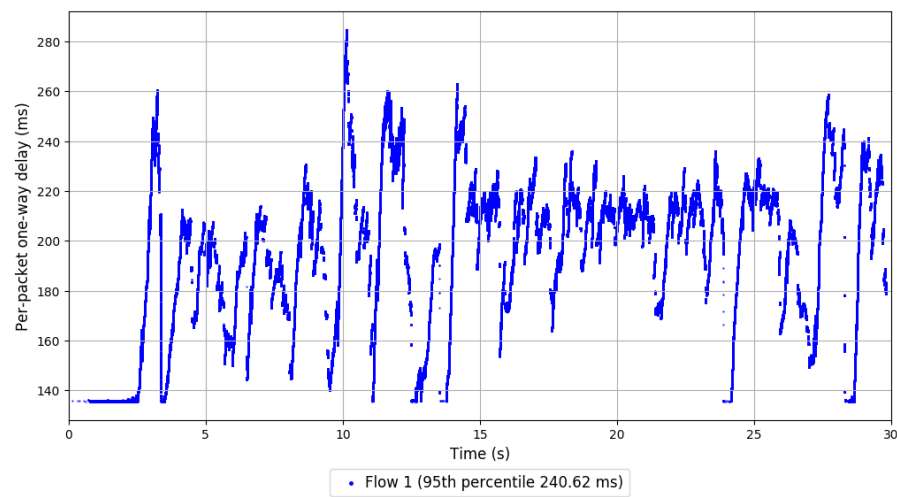
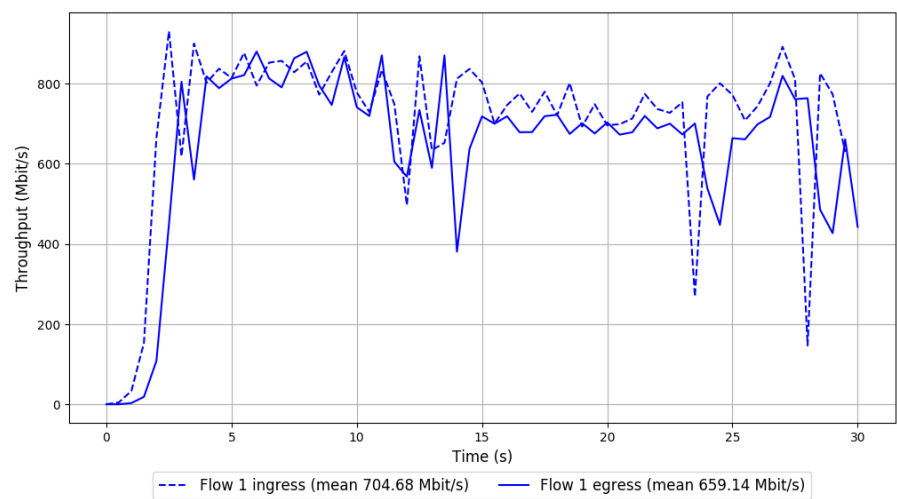
-- Flow 1:

Average throughput: 659.14 Mbit/s

95th percentile per-packet one-way delay: 240.619 ms

Loss rate: 7.31%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-19 14:33:07

End at: 2018-07-19 14:33:37

Local clock offset: 0.148 ms

Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-19 16:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.75 Mbit/s

95th percentile per-packet one-way delay: 238.106 ms

Loss rate: 5.24%

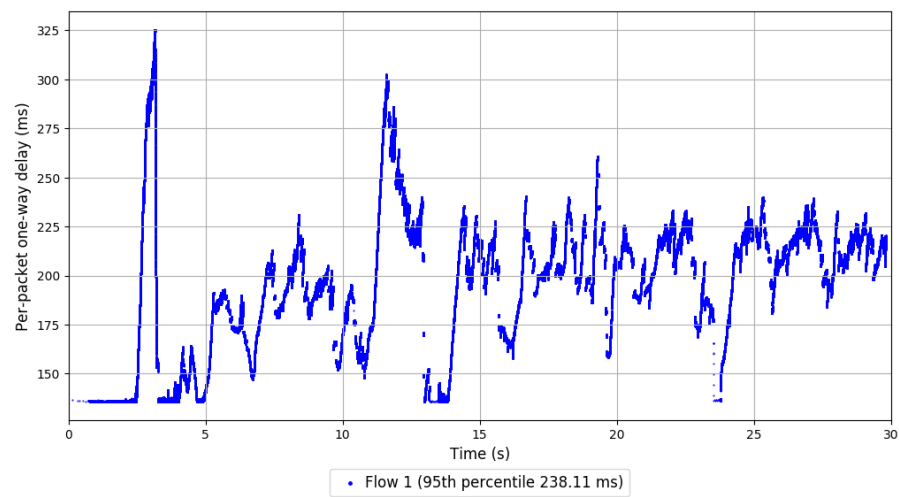
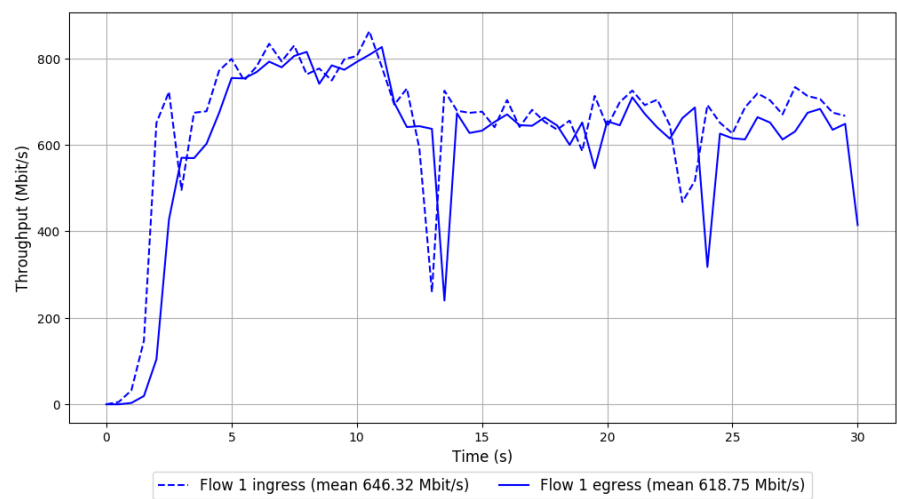
-- Flow 1:

Average throughput: 618.75 Mbit/s

95th percentile per-packet one-way delay: 238.106 ms

Loss rate: 5.24%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-19 14:56:06

End at: 2018-07-19 14:56:36

Local clock offset: -0.379 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 714.95 Mbit/s

95th percentile per-packet one-way delay: 258.329 ms

Loss rate: 2.85%

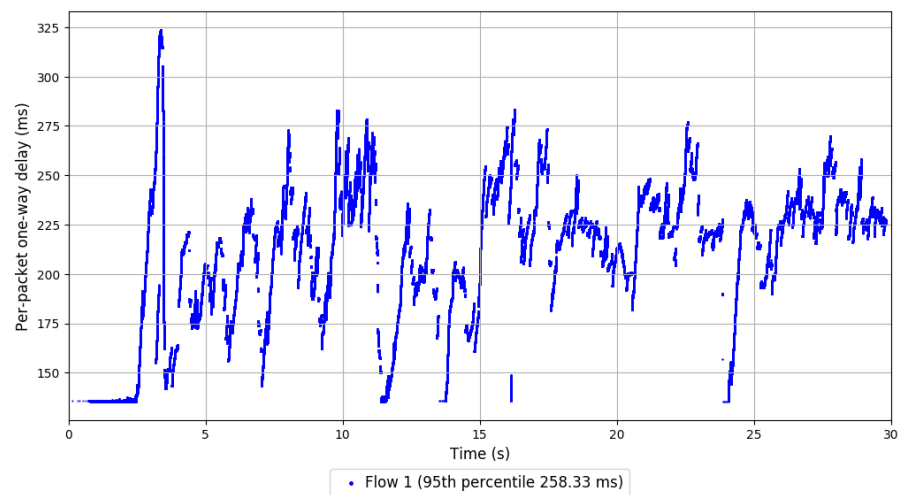
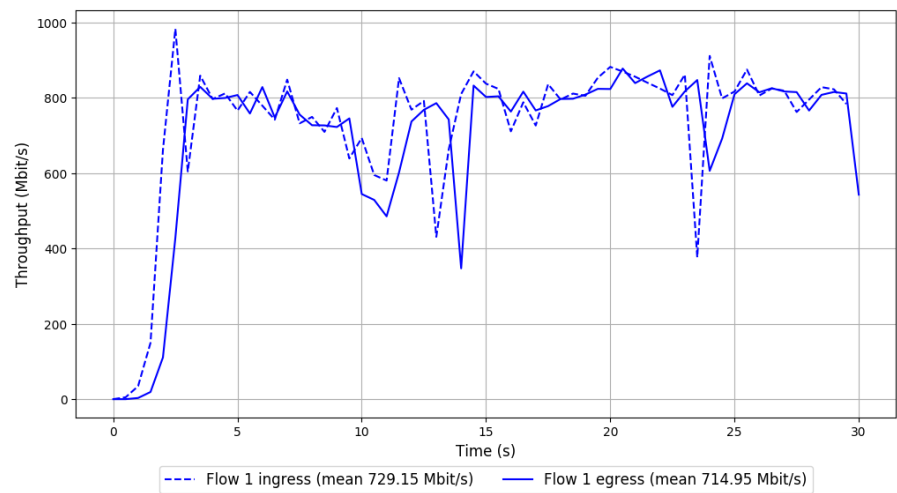
-- Flow 1:

Average throughput: 714.95 Mbit/s

95th percentile per-packet one-way delay: 258.329 ms

Loss rate: 2.85%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-19 11:38:33

End at: 2018-07-19 11:39:03

Local clock offset: -0.711 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.26 Mbit/s

95th percentile per-packet one-way delay: 136.295 ms

Loss rate: 0.96%

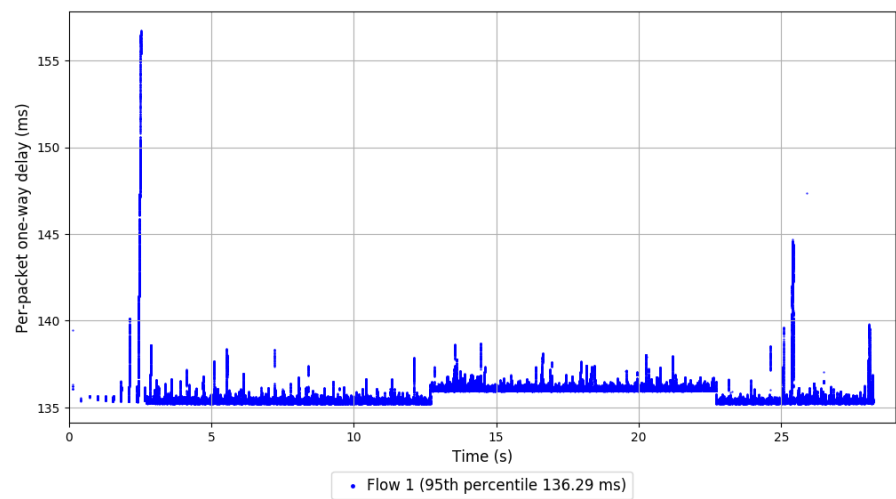
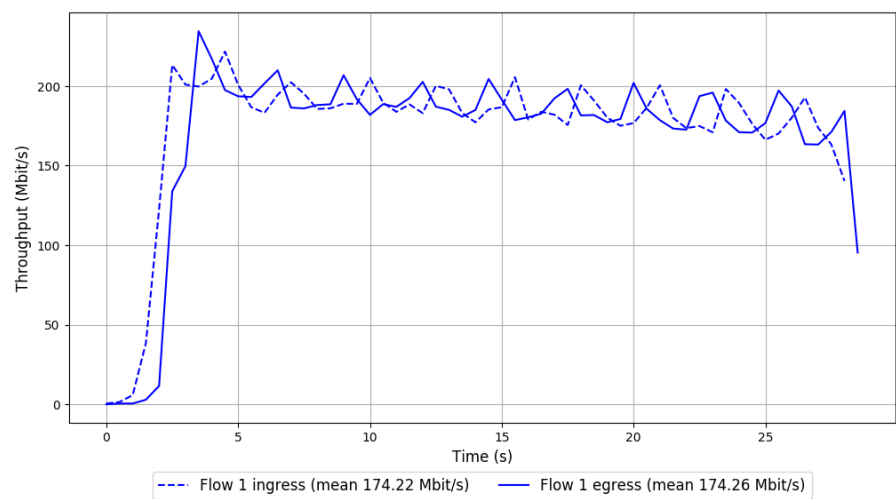
-- Flow 1:

Average throughput: 174.26 Mbit/s

95th percentile per-packet one-way delay: 136.295 ms

Loss rate: 0.96%

Run 1: Report of Indigo — Data Link

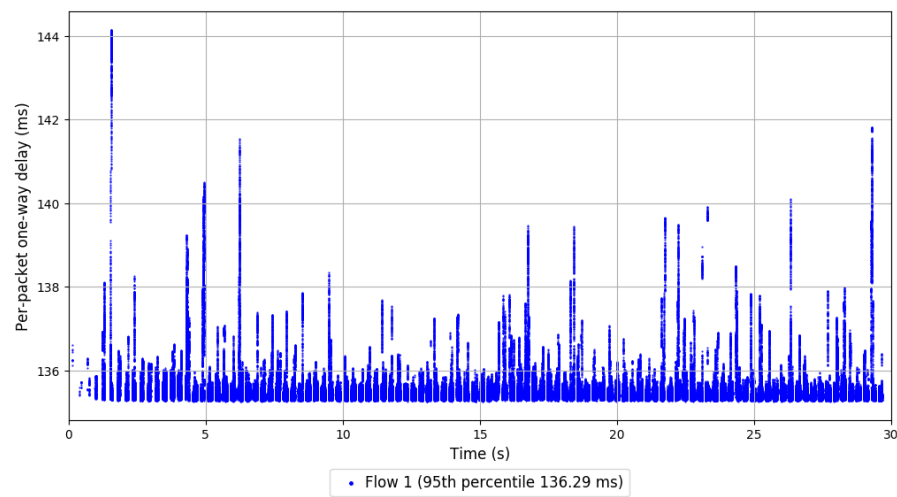
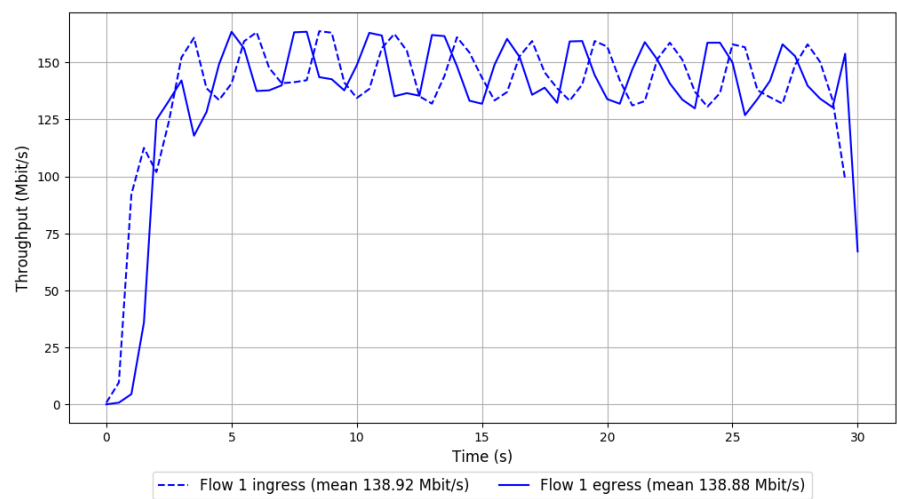


Run 2: Statistics of Indigo

Start at: 2018-07-19 12:01:04
End at: 2018-07-19 12:01:34
Local clock offset: -0.877 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.88 Mbit/s
95th percentile per-packet one-way delay: 136.292 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 138.88 Mbit/s
95th percentile per-packet one-way delay: 136.292 ms
Loss rate: 0.94%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-19 12:23:33

End at: 2018-07-19 12:24:03

Local clock offset: -0.862 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.93 Mbit/s

95th percentile per-packet one-way delay: 138.548 ms

Loss rate: 0.83%

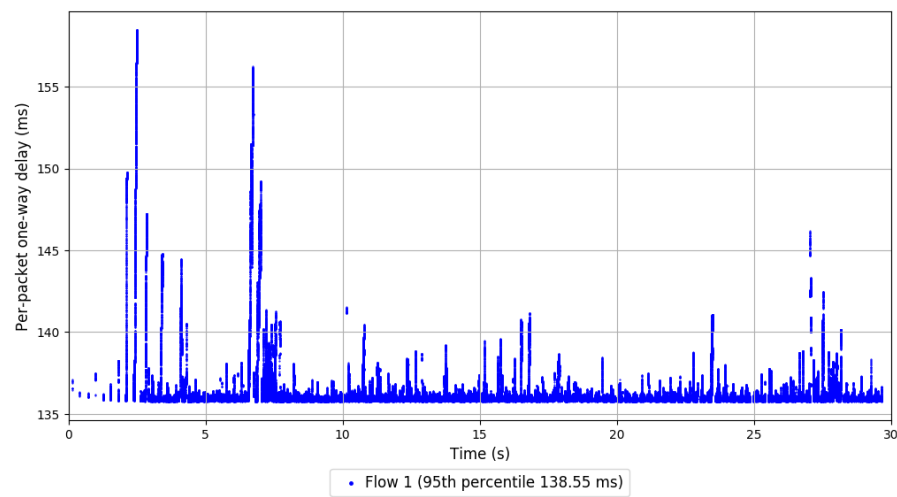
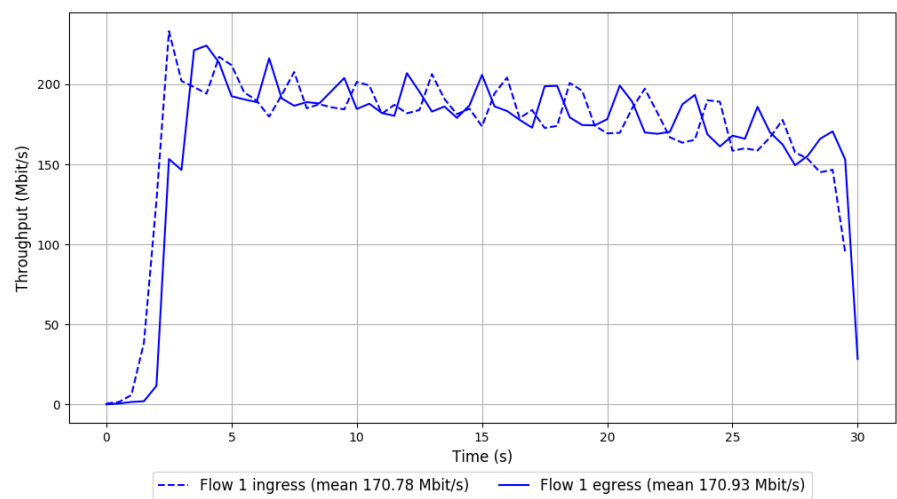
-- Flow 1:

Average throughput: 170.93 Mbit/s

95th percentile per-packet one-way delay: 138.548 ms

Loss rate: 0.83%

Run 3: Report of Indigo — Data Link

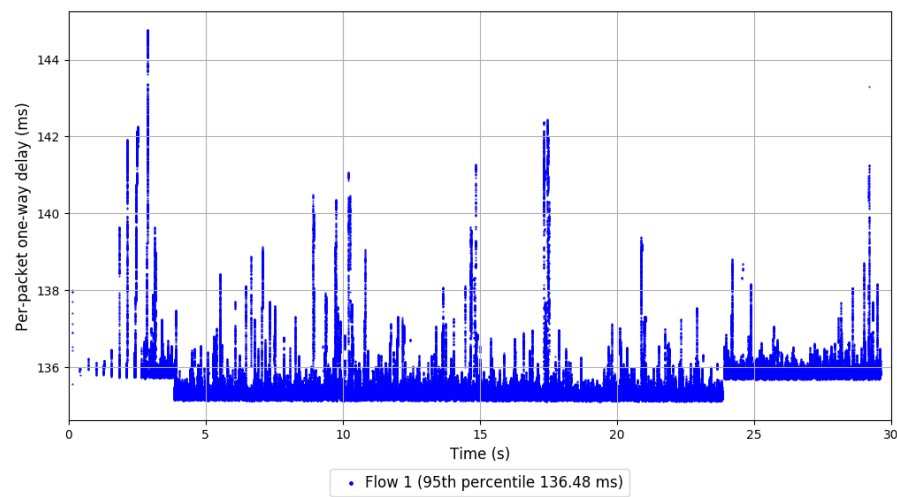
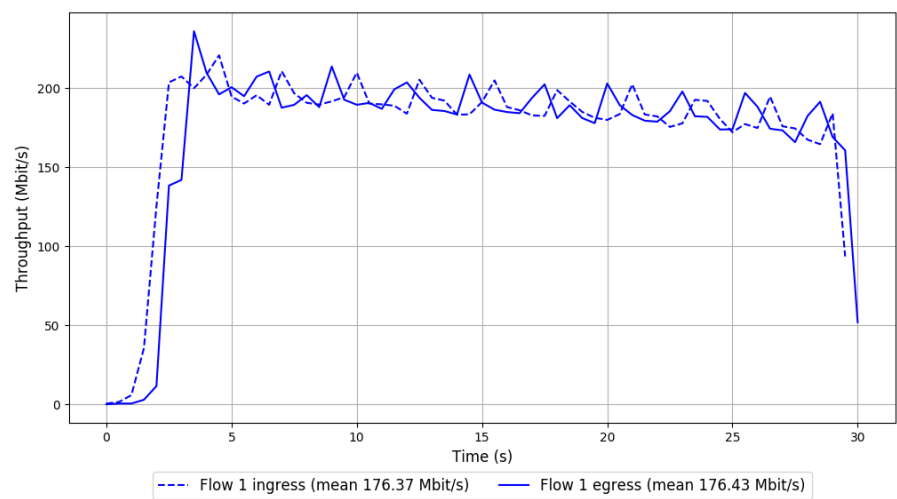


Run 4: Statistics of Indigo

Start at: 2018-07-19 12:46:14
End at: 2018-07-19 12:46:44
Local clock offset: -0.767 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.43 Mbit/s
95th percentile per-packet one-way delay: 136.483 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 176.43 Mbit/s
95th percentile per-packet one-way delay: 136.483 ms
Loss rate: 0.89%

Run 4: Report of Indigo — Data Link

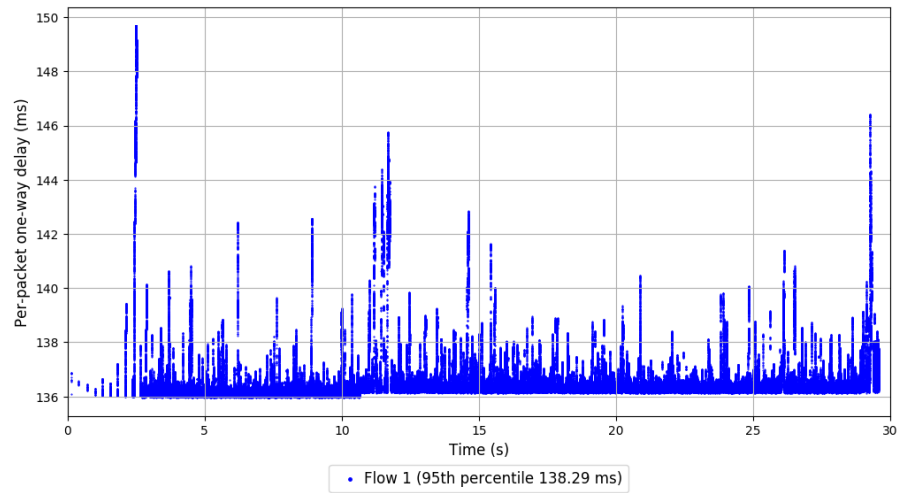
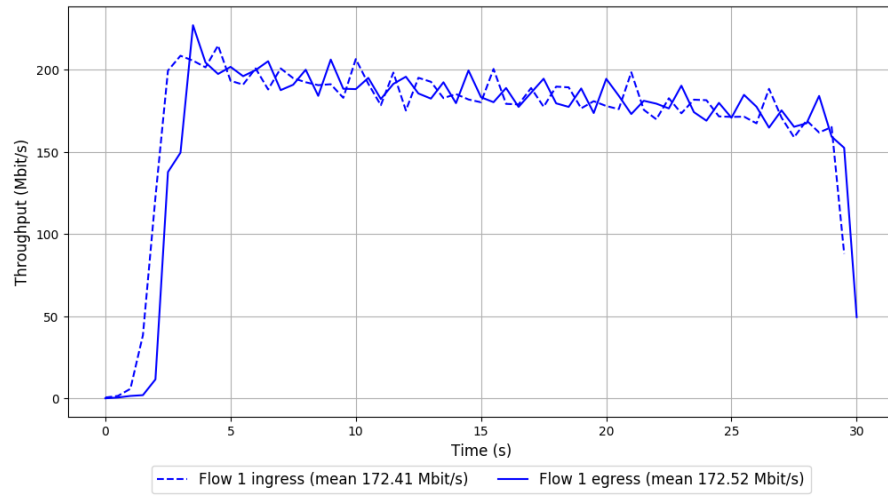


Run 5: Statistics of Indigo

Start at: 2018-07-19 13:09:27
End at: 2018-07-19 13:09:57
Local clock offset: 0.178 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.52 Mbit/s
95th percentile per-packet one-way delay: 138.292 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 172.52 Mbit/s
95th percentile per-packet one-way delay: 138.292 ms
Loss rate: 0.86%

Run 5: Report of Indigo — Data Link

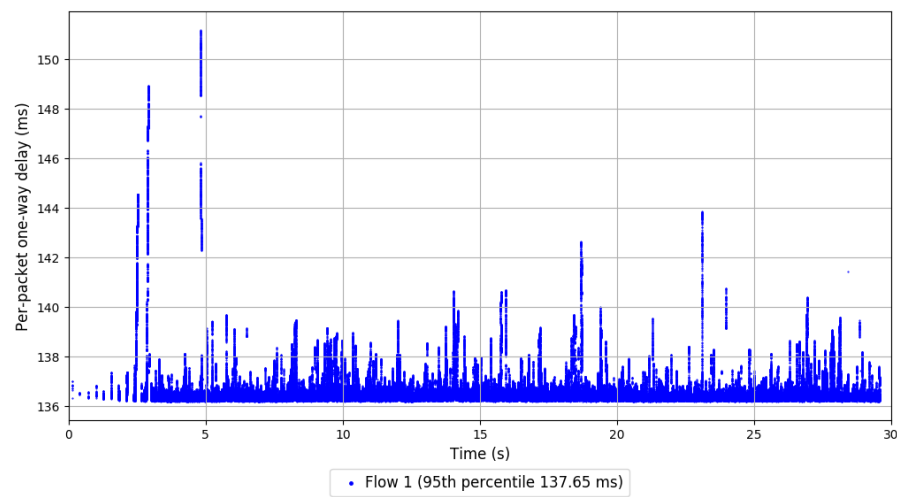
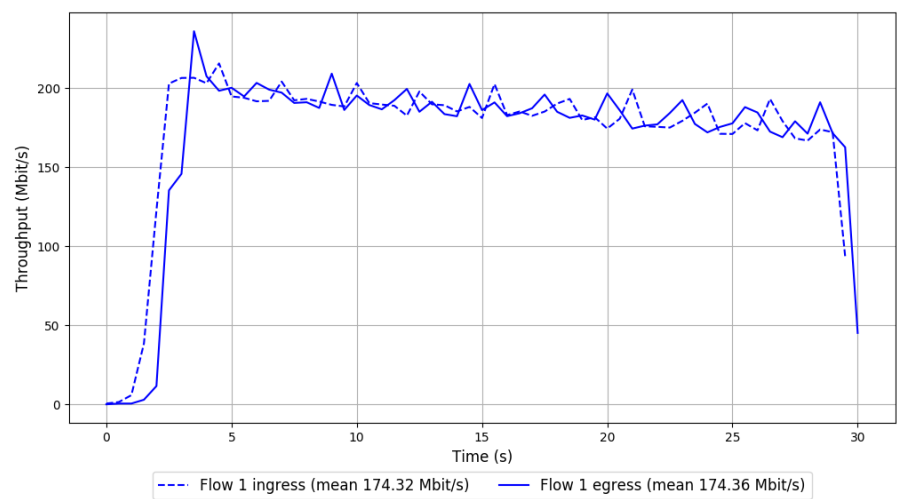


Run 6: Statistics of Indigo

Start at: 2018-07-19 13:32:27
End at: 2018-07-19 13:32:57
Local clock offset: 0.319 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 137.653 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 174.36 Mbit/s
95th percentile per-packet one-way delay: 137.653 ms
Loss rate: 0.90%

Run 6: Report of Indigo — Data Link

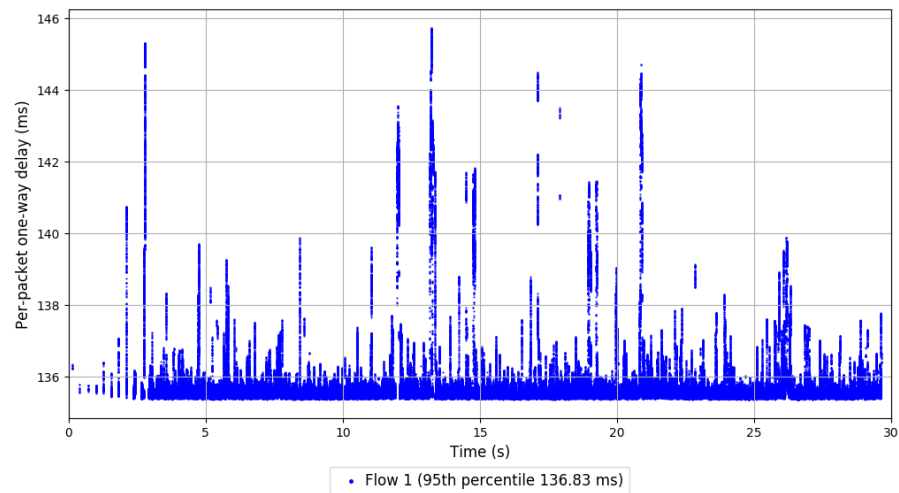
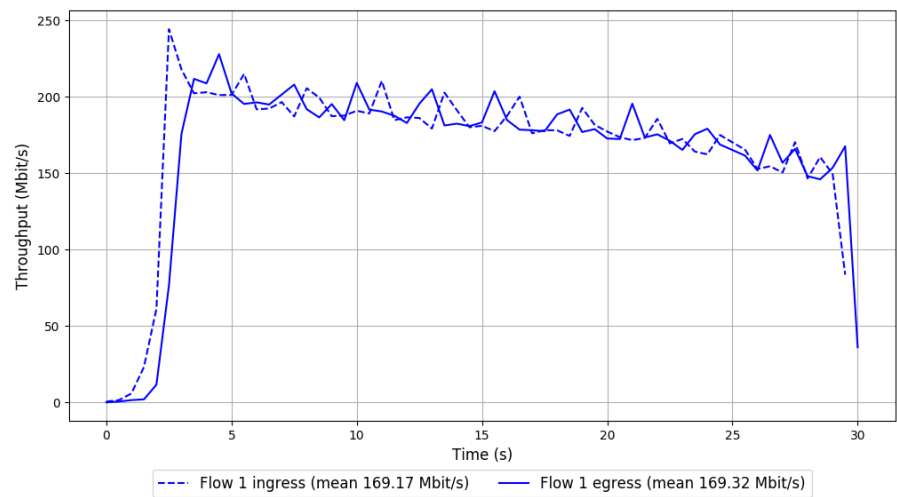


Run 7: Statistics of Indigo

Start at: 2018-07-19 13:55:30
End at: 2018-07-19 13:56:00
Local clock offset: 0.778 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.32 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 169.32 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 0.83%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-19 14:18:11

End at: 2018-07-19 14:18:41

Local clock offset: 0.835 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.71 Mbit/s

95th percentile per-packet one-way delay: 137.837 ms

Loss rate: 0.89%

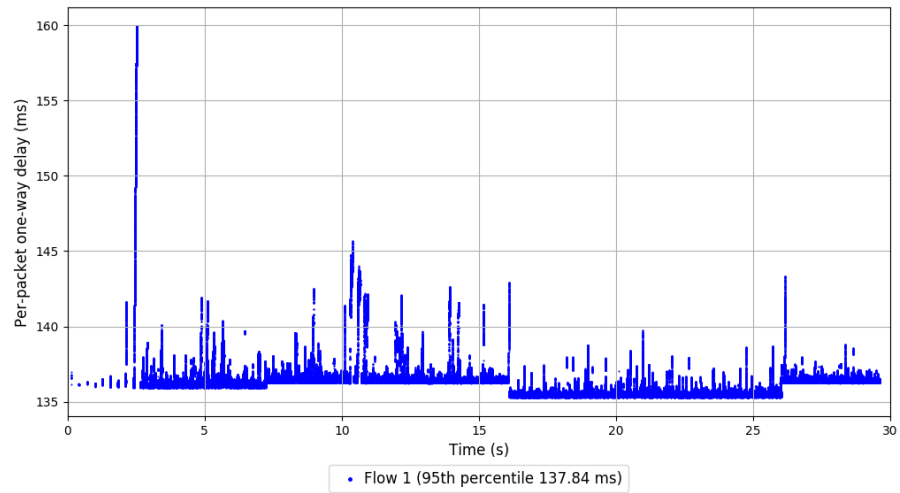
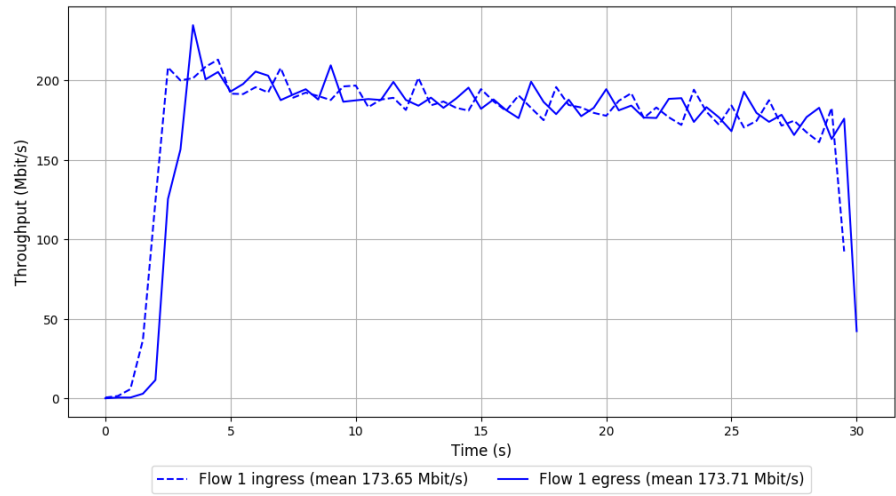
-- Flow 1:

Average throughput: 173.71 Mbit/s

95th percentile per-packet one-way delay: 137.837 ms

Loss rate: 0.89%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-19 14:41:00

End at: 2018-07-19 14:41:30

Local clock offset: -0.044 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.26 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.95%

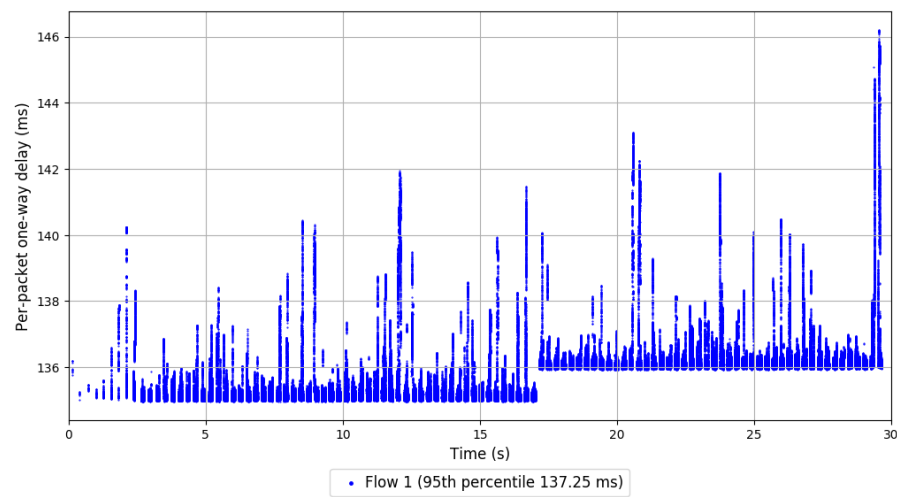
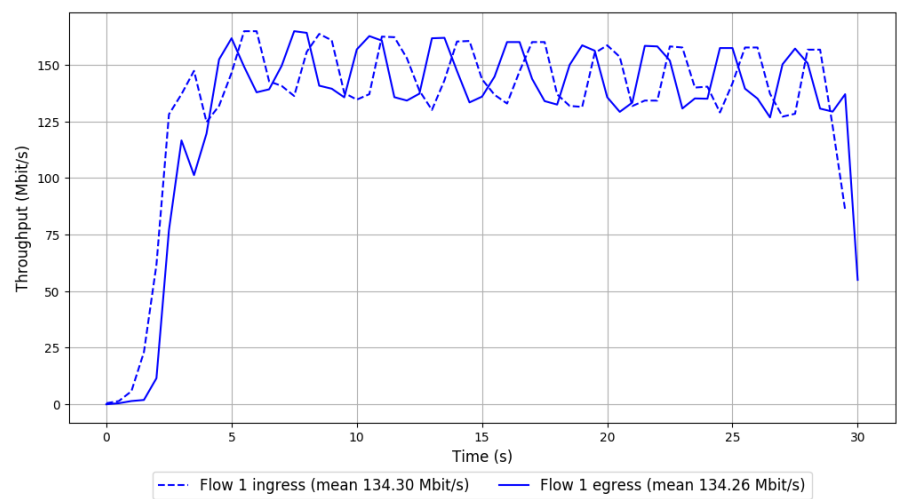
-- Flow 1:

Average throughput: 134.26 Mbit/s

95th percentile per-packet one-way delay: 137.252 ms

Loss rate: 0.95%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-19 15:04:07

End at: 2018-07-19 15:04:37

Local clock offset: 0.074 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.02 Mbit/s

95th percentile per-packet one-way delay: 137.754 ms

Loss rate: 0.99%

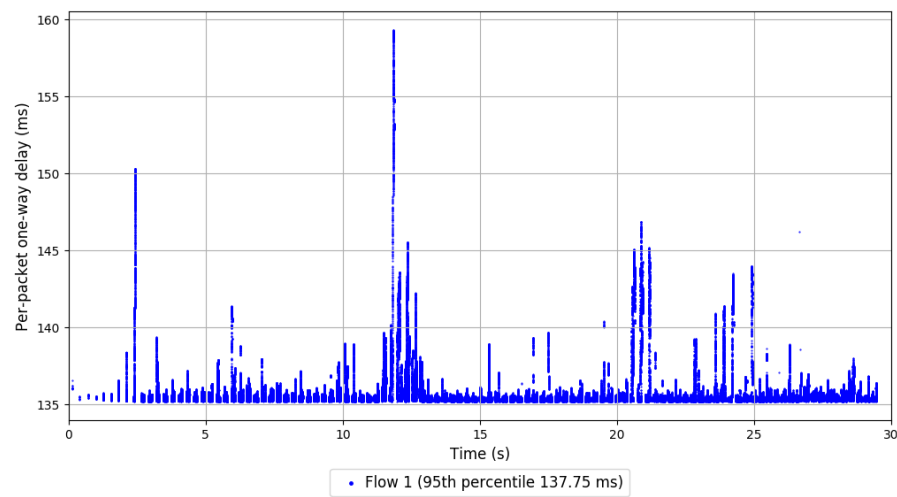
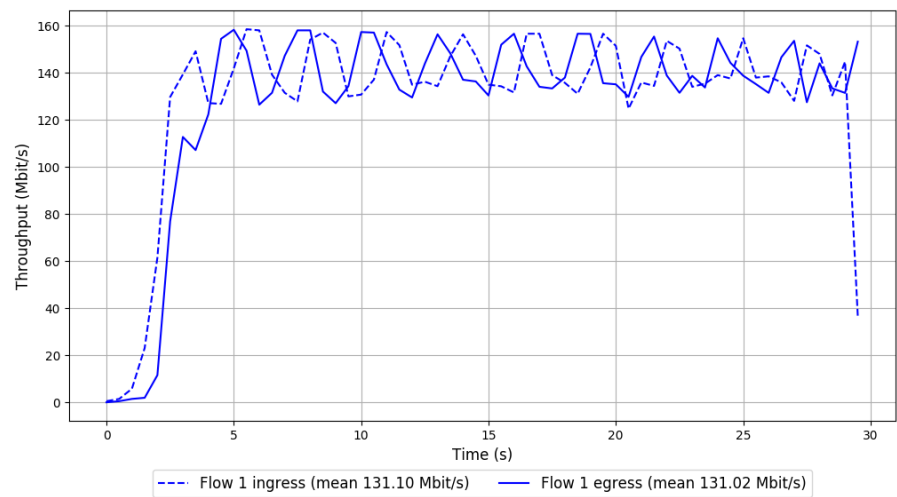
-- Flow 1:

Average throughput: 131.02 Mbit/s

95th percentile per-packet one-way delay: 137.754 ms

Loss rate: 0.99%

Run 10: Report of Indigo — Data Link

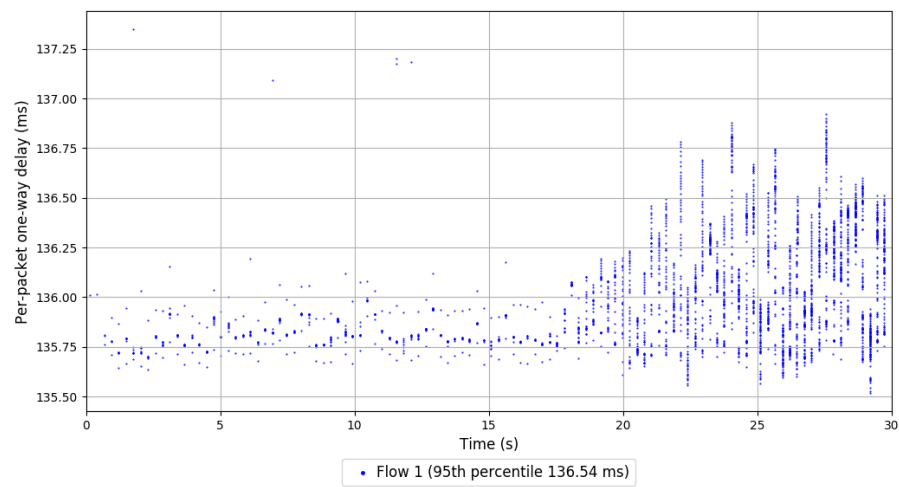
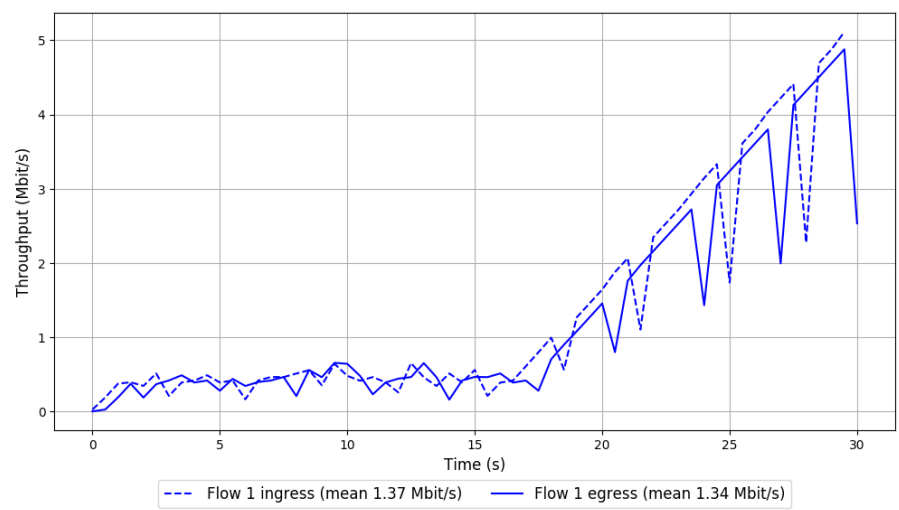


Run 1: Statistics of LEDBAT

Start at: 2018-07-19 11:46:23
End at: 2018-07-19 11:46:54
Local clock offset: -1.0 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 136.537 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 136.537 ms
Loss rate: 3.16%

Run 1: Report of LEDBAT — Data Link

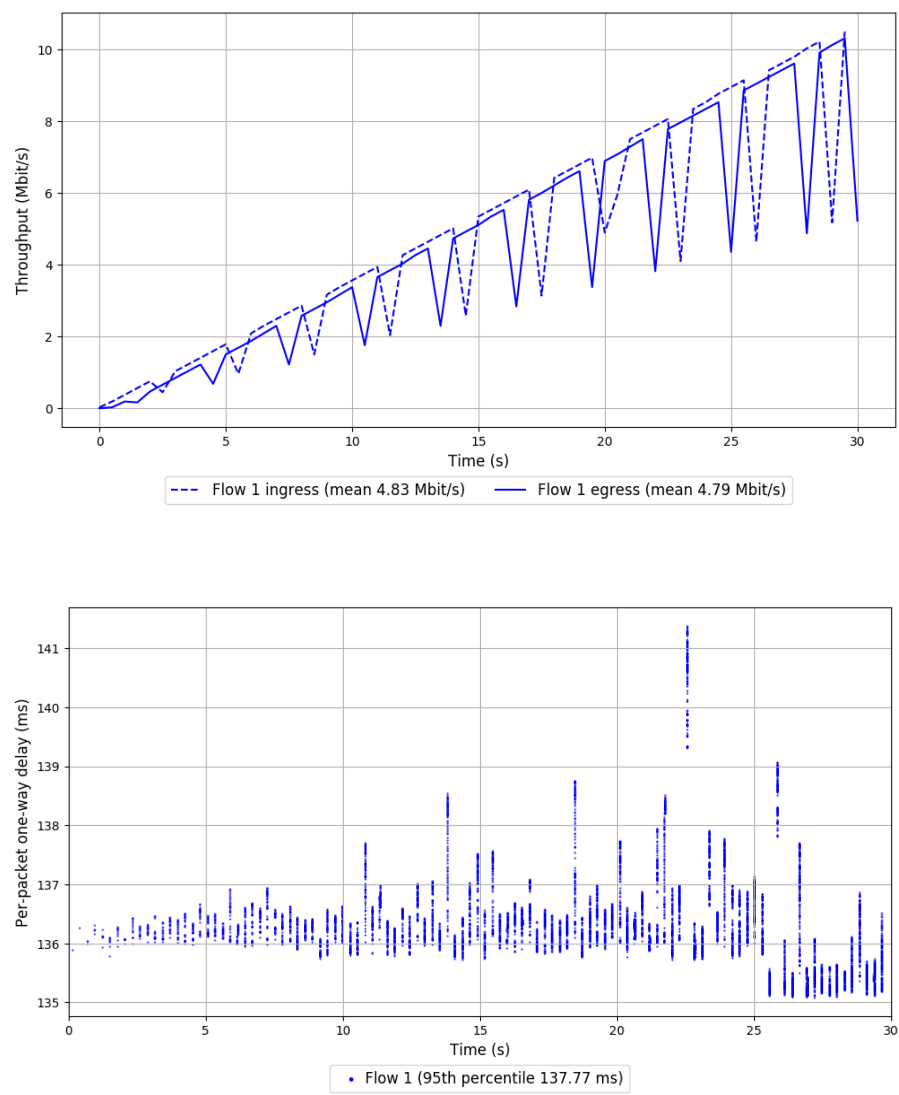


Run 2: Statistics of LEDBAT

Start at: 2018-07-19 12:09:02
End at: 2018-07-19 12:09:32
Local clock offset: -1.093 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.769 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.769 ms
Loss rate: 1.83%

Run 2: Report of LEDBAT — Data Link

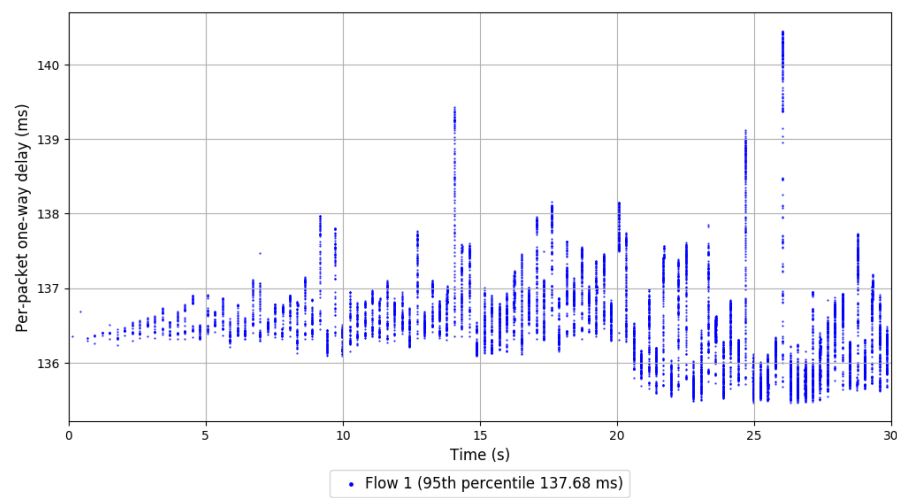
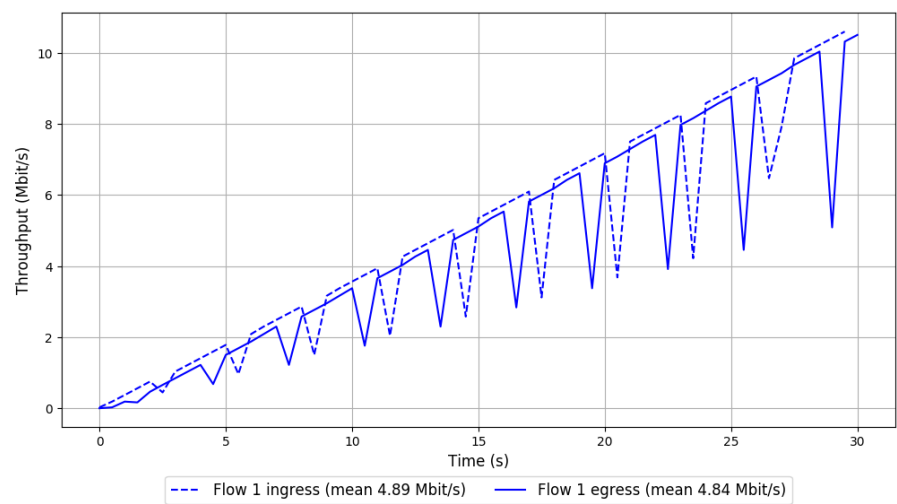


Run 3: Statistics of LEDBAT

Start at: 2018-07-19 12:31:27
End at: 2018-07-19 12:31:57
Local clock offset: -1.187 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.676 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.676 ms
Loss rate: 1.82%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-19 12:54:29

End at: 2018-07-19 12:54:59

Local clock offset: -0.225 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.390 ms

Loss rate: 1.83%

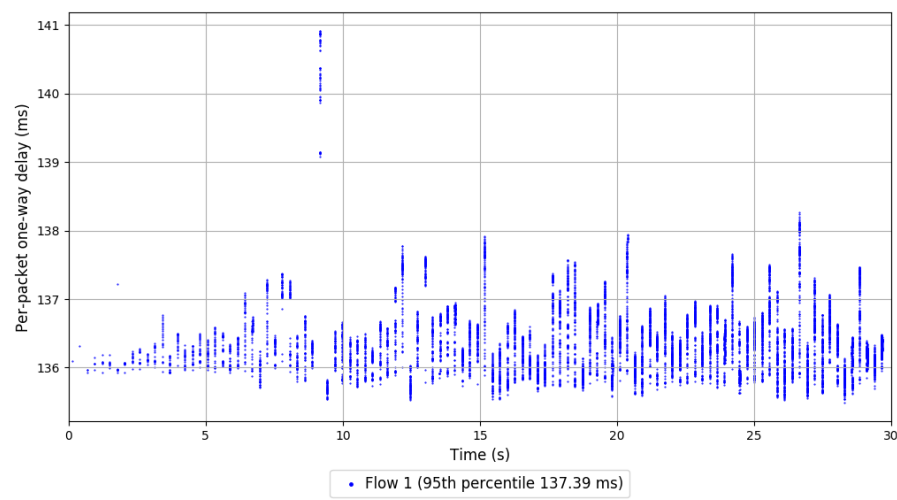
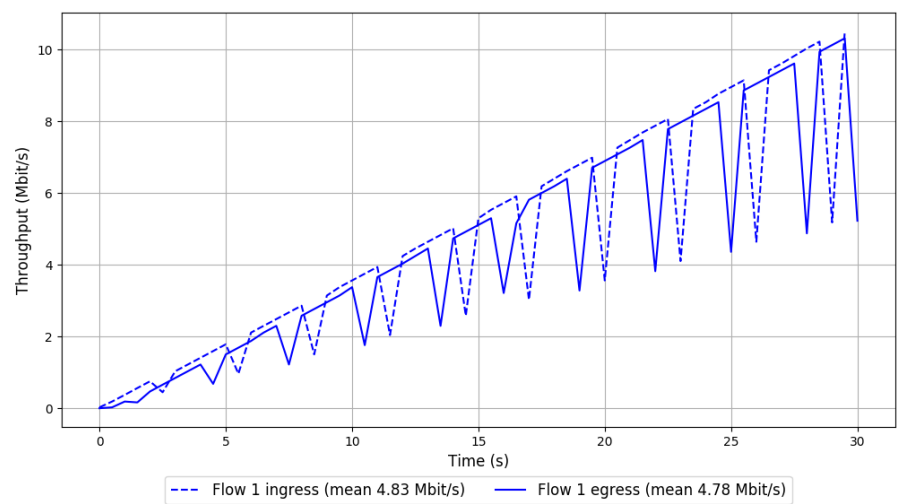
-- Flow 1:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.390 ms

Loss rate: 1.83%

Run 4: Report of LEDBAT — Data Link

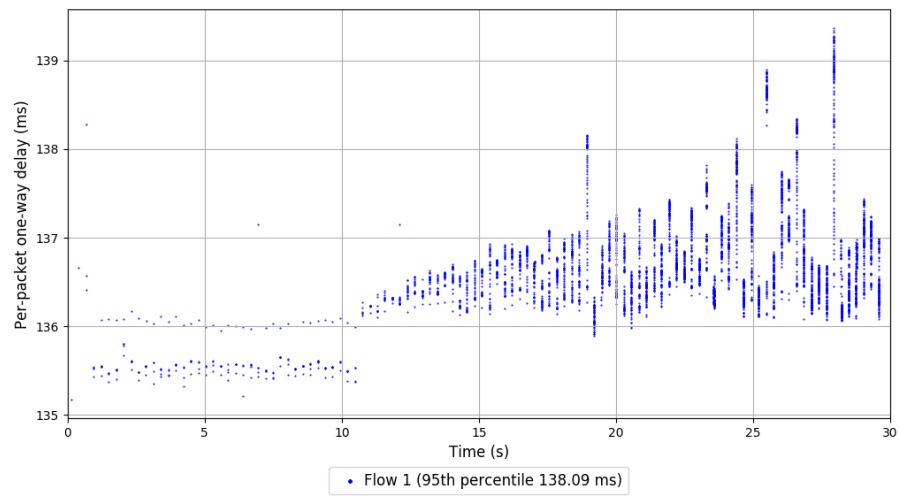
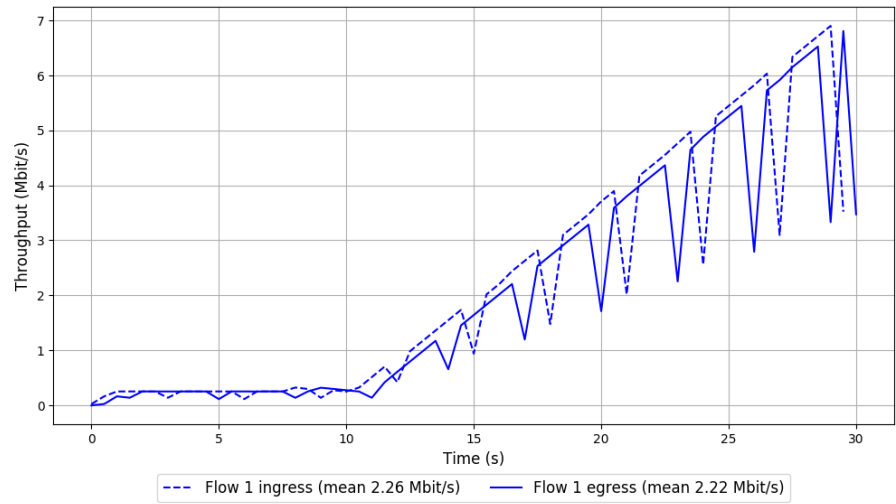


Run 5: Statistics of LEDBAT

Start at: 2018-07-19 13:17:37
End at: 2018-07-19 13:18:07
Local clock offset: 0.159 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 138.090 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 138.090 ms
Loss rate: 2.62%

Run 5: Report of LEDBAT — Data Link

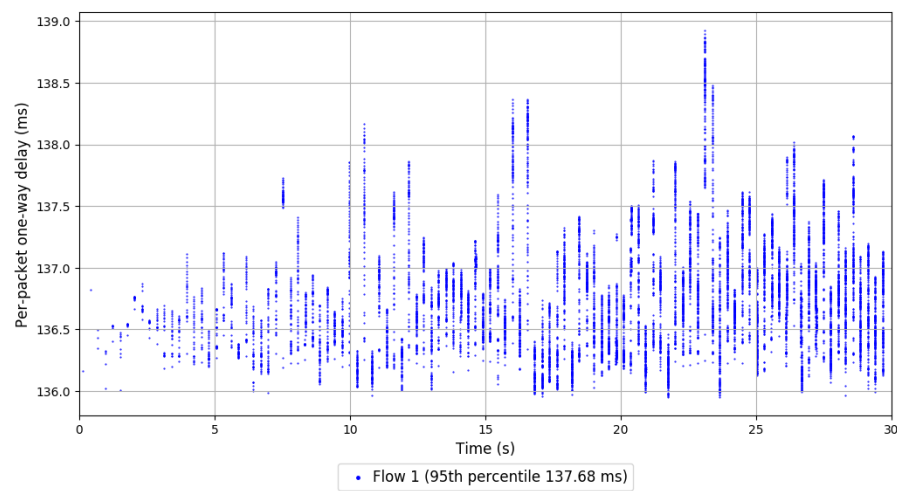
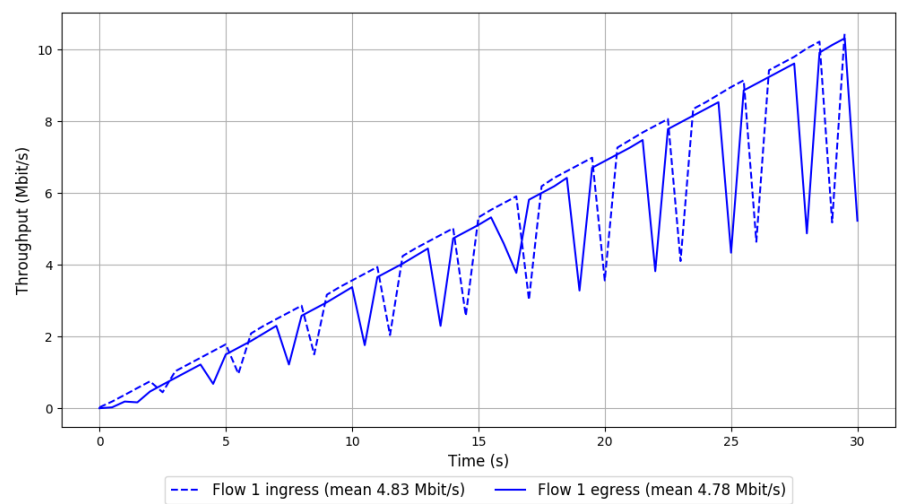


Run 6: Statistics of LEDBAT

Start at: 2018-07-19 13:40:45
End at: 2018-07-19 13:41:15
Local clock offset: 0.49 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.682 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.682 ms
Loss rate: 1.83%

Run 6: Report of LEDBAT — Data Link

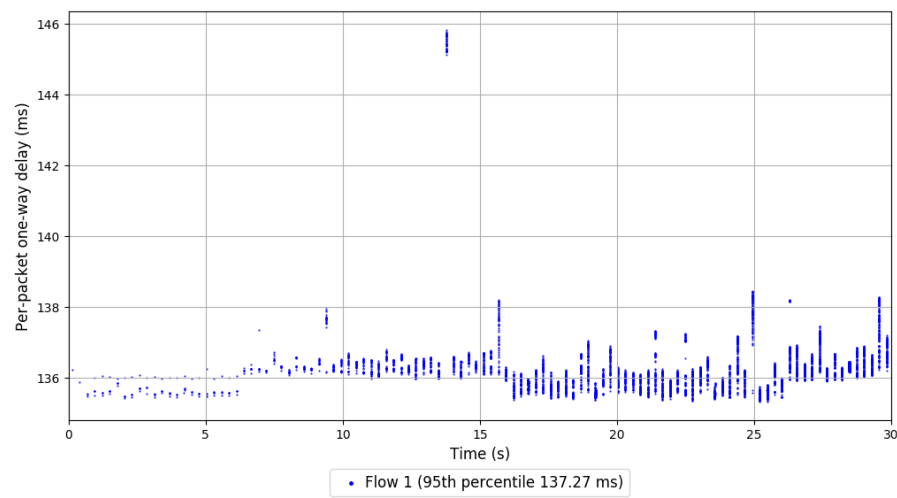
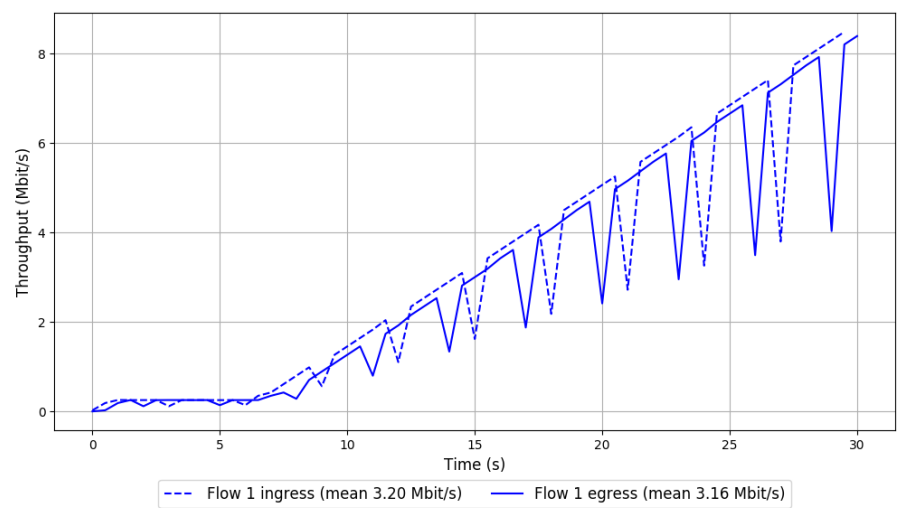


Run 7: Statistics of LEDBAT

Start at: 2018-07-19 14:03:31
End at: 2018-07-19 14:04:02
Local clock offset: 0.7 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 137.266 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 137.266 ms
Loss rate: 2.22%

Run 7: Report of LEDBAT — Data Link

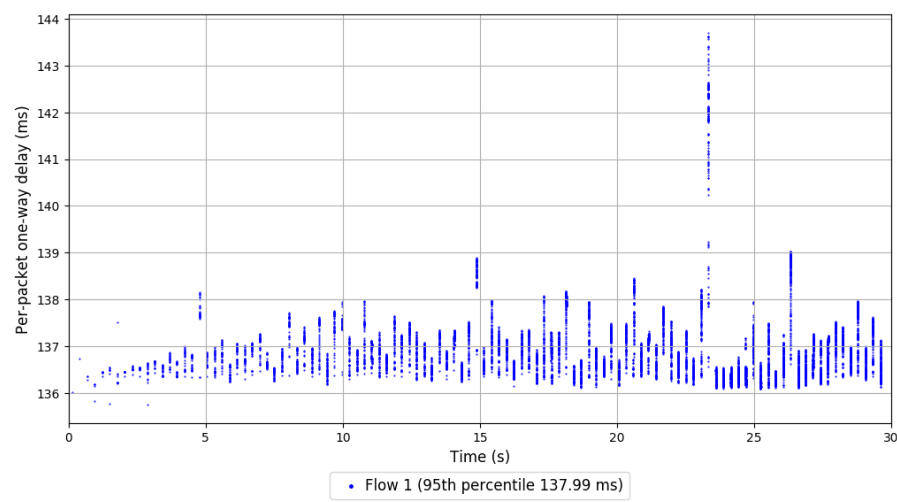
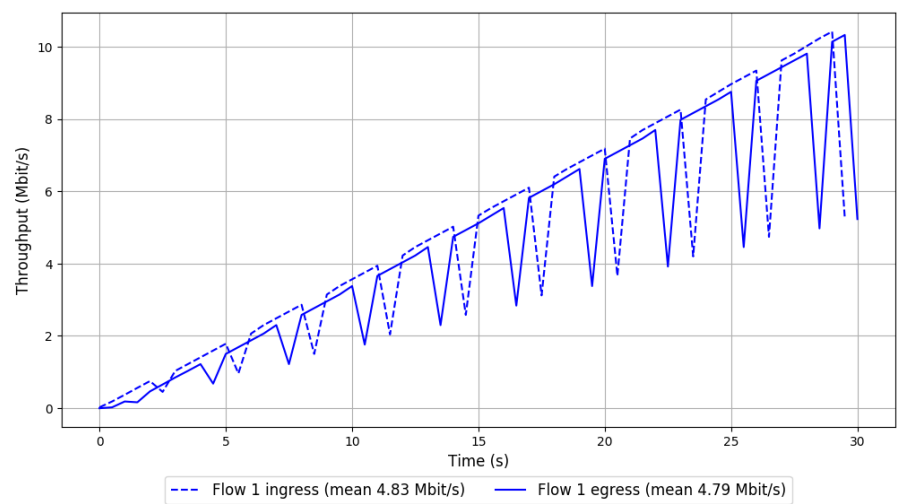


Run 8: Statistics of LEDBAT

Start at: 2018-07-19 14:26:04
End at: 2018-07-19 14:26:34
Local clock offset: 0.416 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.989 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 137.989 ms
Loss rate: 1.84%

Run 8: Report of LEDBAT — Data Link

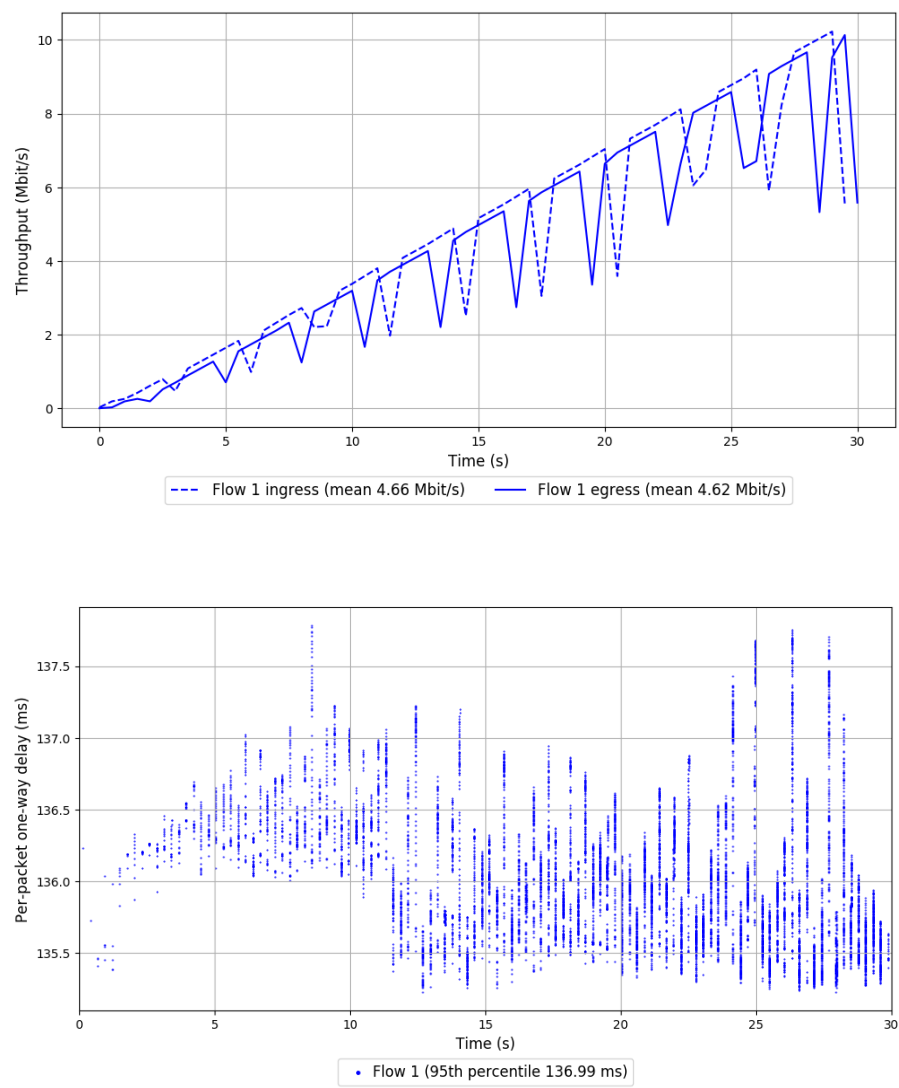


Run 9: Statistics of LEDBAT

Start at: 2018-07-19 14:49:06
End at: 2018-07-19 14:49:36
Local clock offset: -0.261 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-19 16:22:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 1.83%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-19 15:11:55

End at: 2018-07-19 15:12:25

Local clock offset: -0.04 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-19 16:22:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 137.085 ms

Loss rate: 2.38%

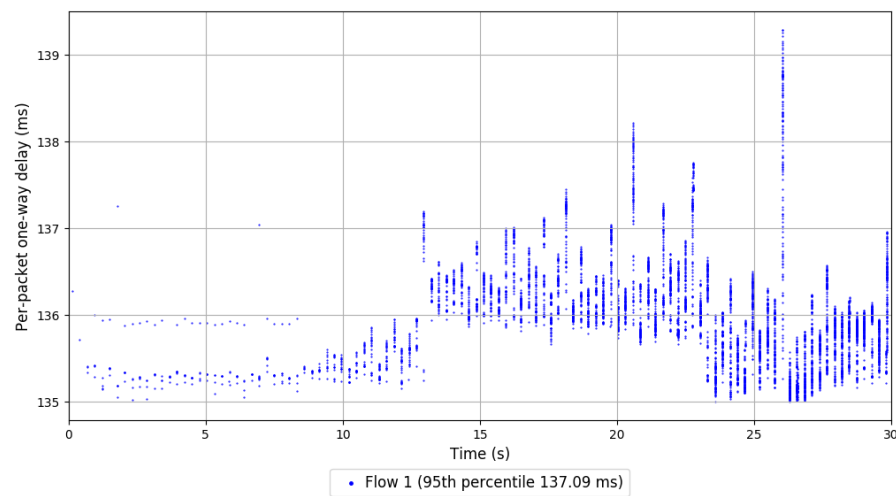
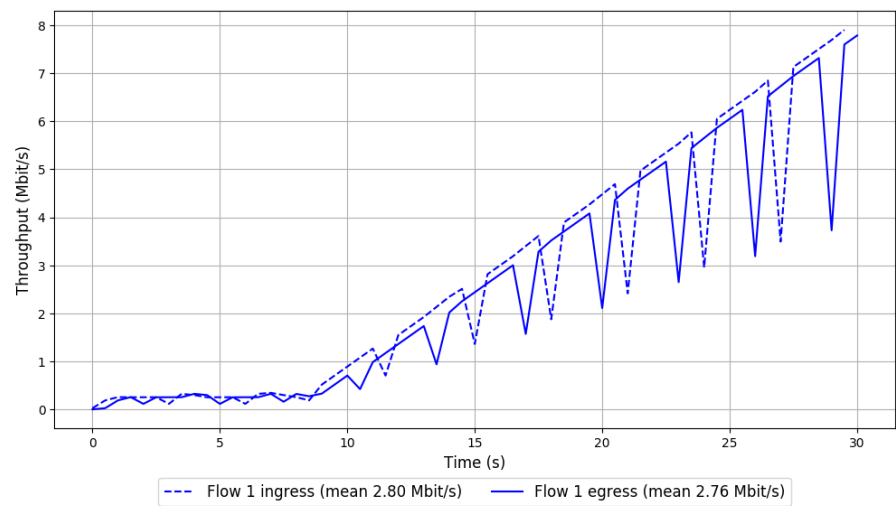
-- Flow 1:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 137.085 ms

Loss rate: 2.38%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-19 11:32:14

End at: 2018-07-19 11:32:44

Local clock offset: -0.635 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-19 16:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.40 Mbit/s

95th percentile per-packet one-way delay: 298.723 ms

Loss rate: 5.12%

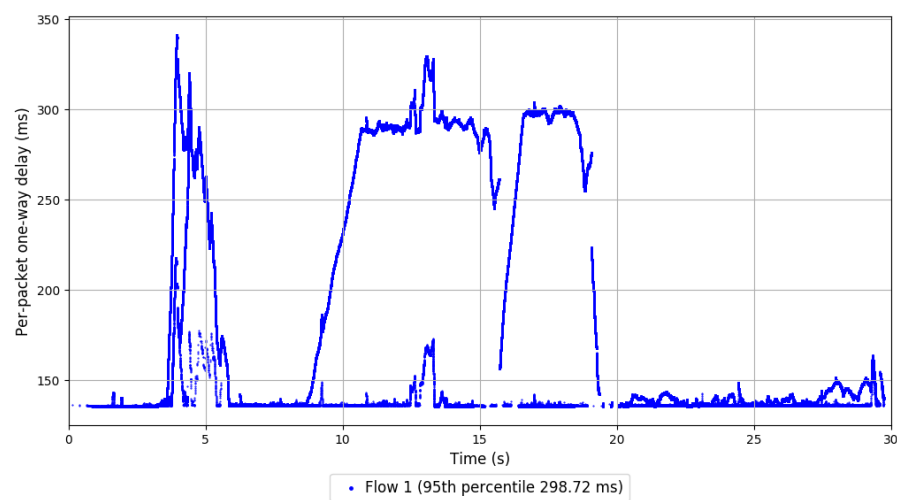
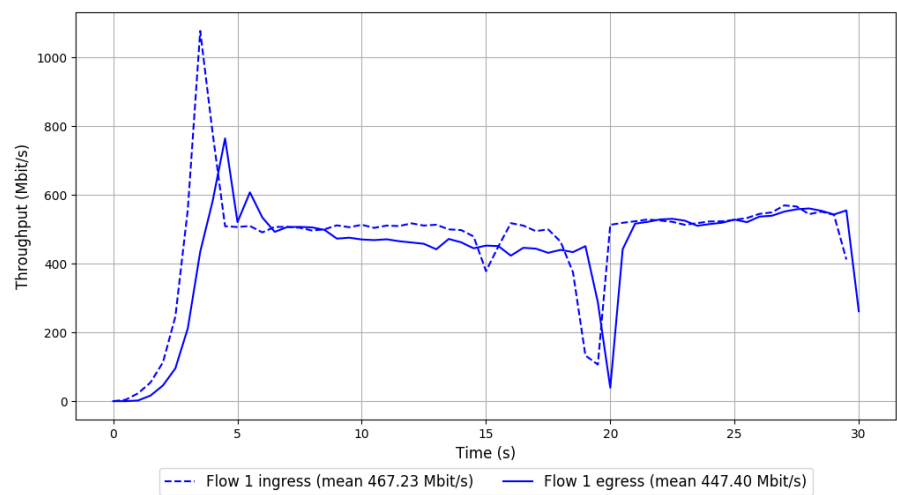
-- Flow 1:

Average throughput: 447.40 Mbit/s

95th percentile per-packet one-way delay: 298.723 ms

Loss rate: 5.12%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-19 11:54:49

End at: 2018-07-19 11:55:19

Local clock offset: -0.879 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-07-19 16:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.14 Mbit/s

95th percentile per-packet one-way delay: 212.737 ms

Loss rate: 2.14%

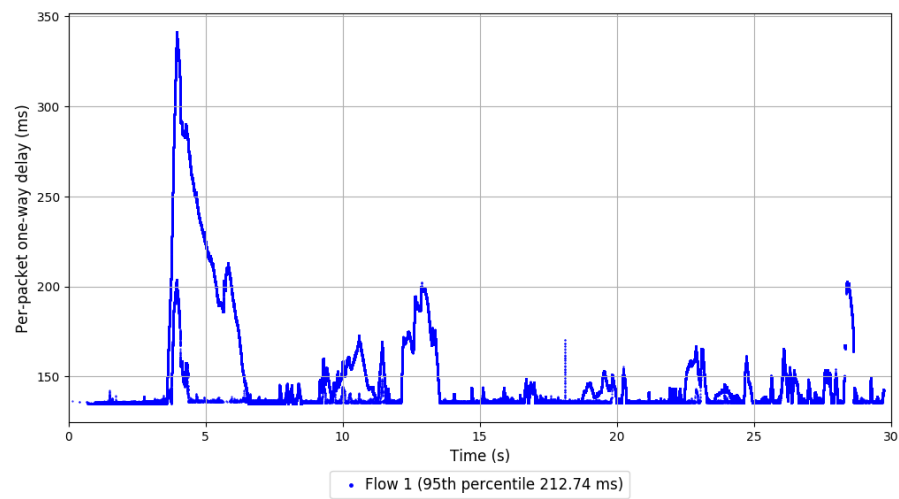
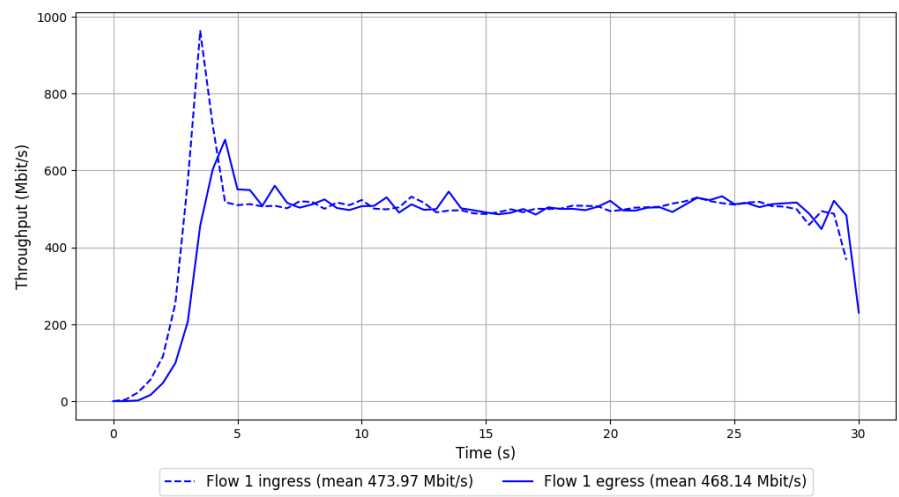
-- Flow 1:

Average throughput: 468.14 Mbit/s

95th percentile per-packet one-way delay: 212.737 ms

Loss rate: 2.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-19 12:17:21

End at: 2018-07-19 12:17:51

Local clock offset: -0.999 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-19 16:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 418.07 Mbit/s

95th percentile per-packet one-way delay: 283.753 ms

Loss rate: 2.68%

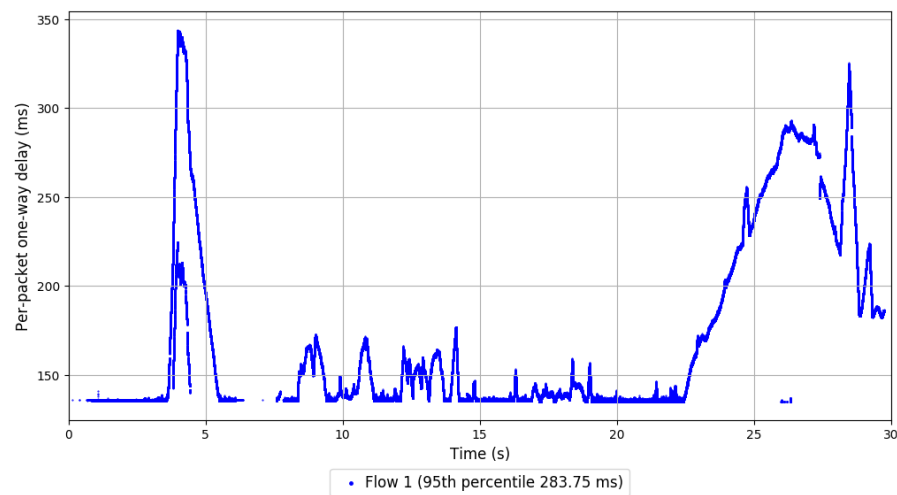
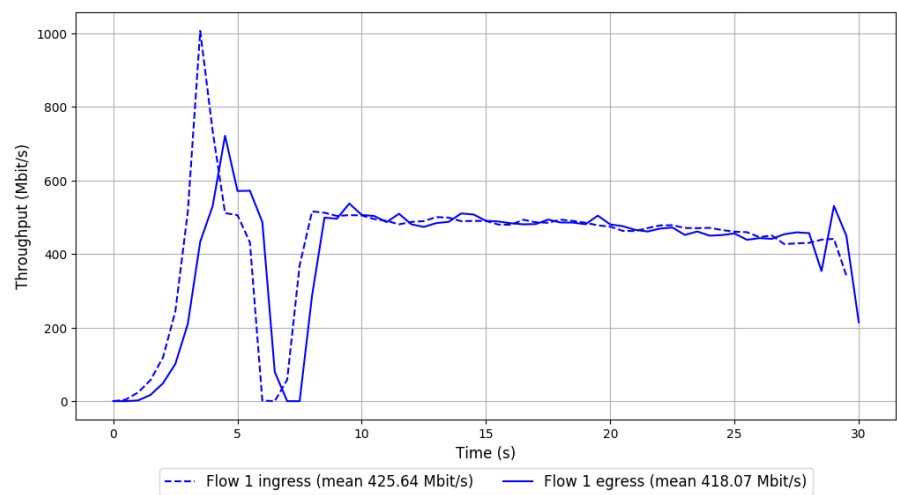
-- Flow 1:

Average throughput: 418.07 Mbit/s

95th percentile per-packet one-way delay: 283.753 ms

Loss rate: 2.68%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-19 12:39:54

End at: 2018-07-19 12:40:24

Local clock offset: -1.124 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-07-19 16:25:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 482.76 Mbit/s

95th percentile per-packet one-way delay: 191.059 ms

Loss rate: 2.19%

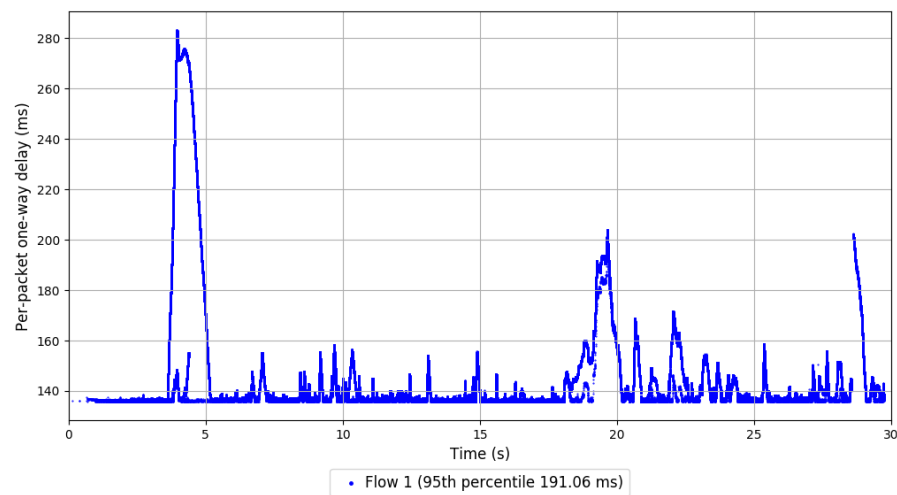
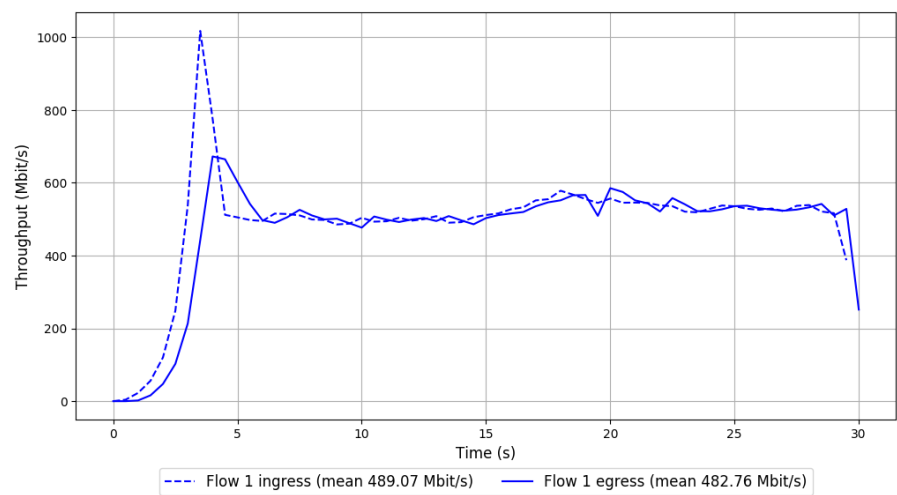
-- Flow 1:

Average throughput: 482.76 Mbit/s

95th percentile per-packet one-way delay: 191.059 ms

Loss rate: 2.19%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-19 13:03:12

End at: 2018-07-19 13:03:42

Local clock offset: 0.057 ms

Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-07-19 16:28:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.85 Mbit/s

95th percentile per-packet one-way delay: 233.318 ms

Loss rate: 2.84%

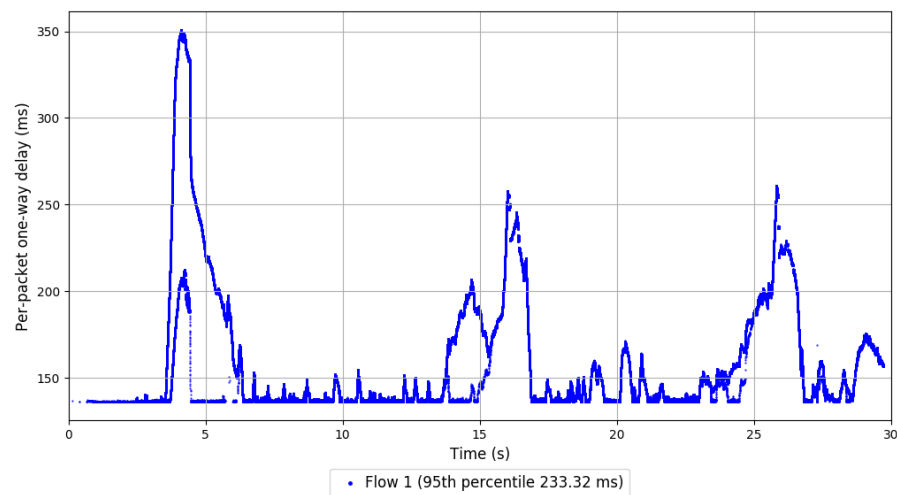
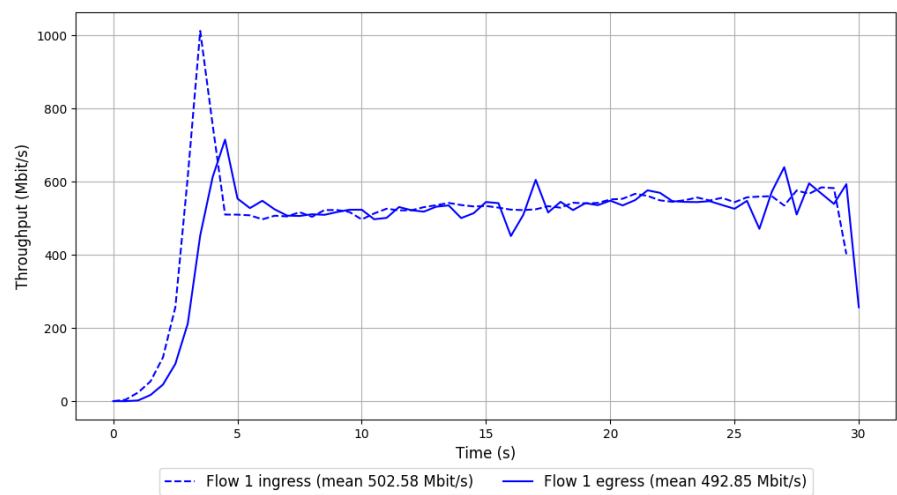
-- Flow 1:

Average throughput: 492.85 Mbit/s

95th percentile per-packet one-way delay: 233.318 ms

Loss rate: 2.84%

Run 5: Report of PCC-Allegro — Data Link

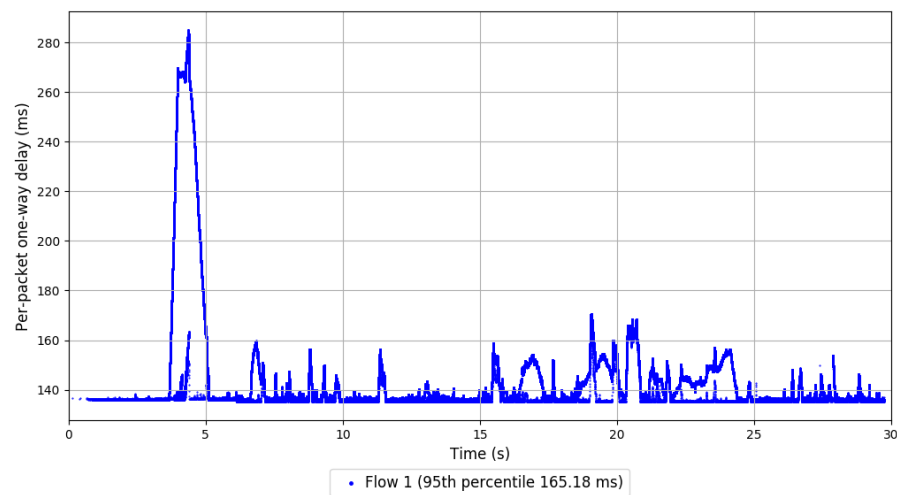
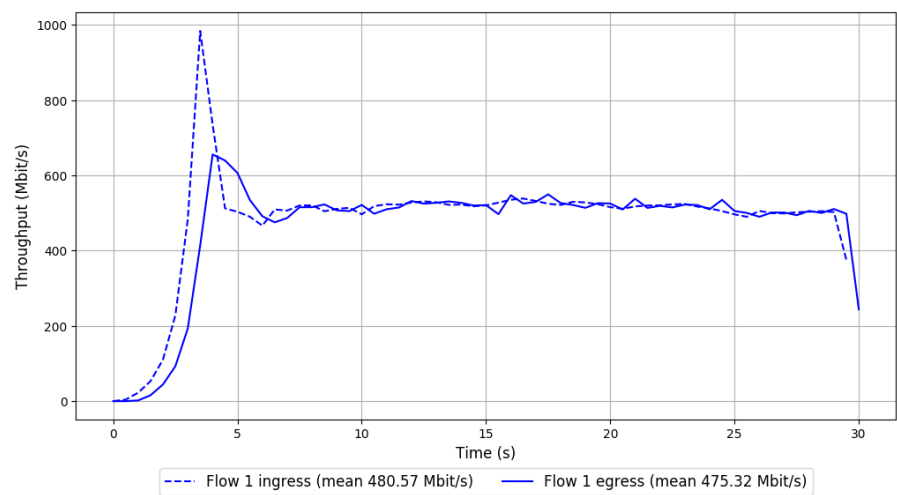


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-19 13:26:11
End at: 2018-07-19 13:26:42
Local clock offset: 0.129 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-19 16:29:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 475.32 Mbit/s
95th percentile per-packet one-way delay: 165.183 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 475.32 Mbit/s
95th percentile per-packet one-way delay: 165.183 ms
Loss rate: 2.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-19 13:49:14

End at: 2018-07-19 13:49:44

Local clock offset: 0.677 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-19 16:29:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 458.20 Mbit/s

95th percentile per-packet one-way delay: 185.895 ms

Loss rate: 2.51%

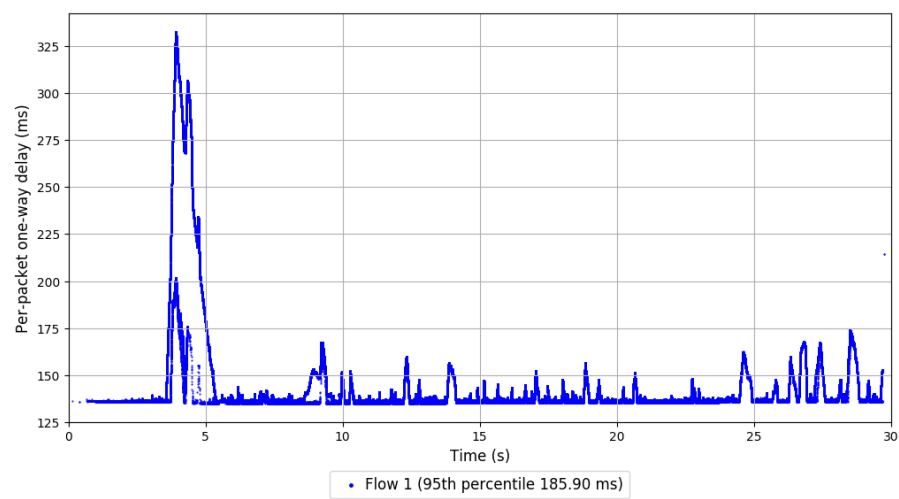
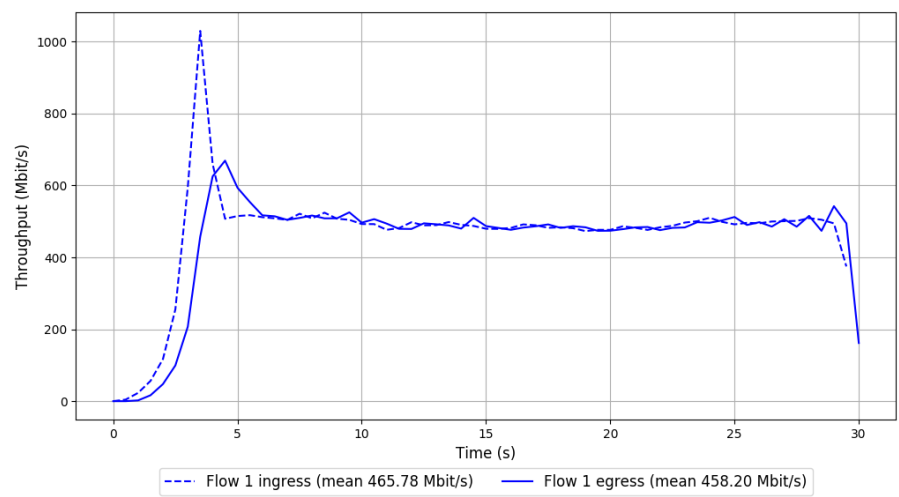
-- Flow 1:

Average throughput: 458.20 Mbit/s

95th percentile per-packet one-way delay: 185.895 ms

Loss rate: 2.51%

Run 7: Report of PCC-Allegro — Data Link

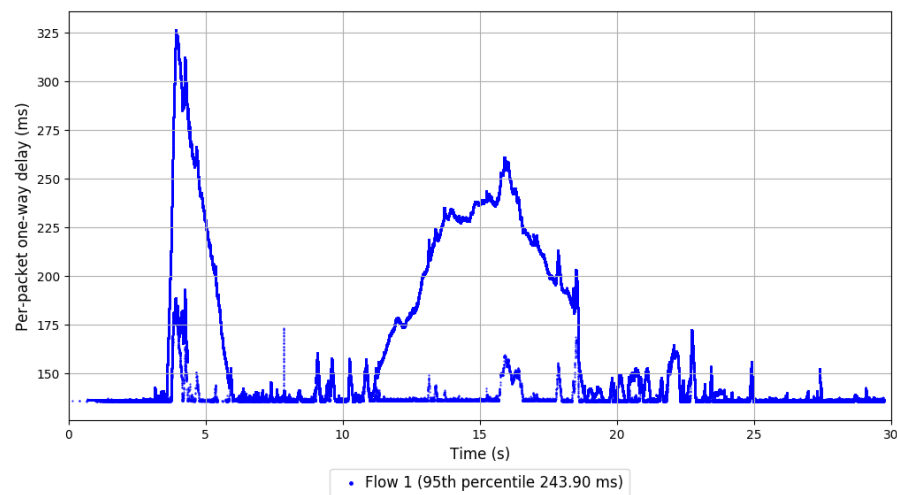
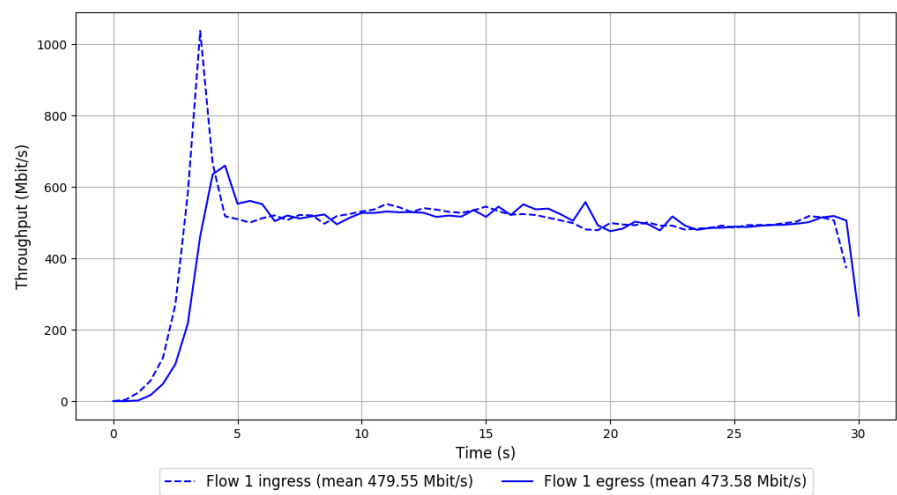


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-19 14:12:00
End at: 2018-07-19 14:12:30
Local clock offset: 0.728 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-07-19 16:32:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 473.58 Mbit/s
95th percentile per-packet one-way delay: 243.904 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 473.58 Mbit/s
95th percentile per-packet one-way delay: 243.904 ms
Loss rate: 2.15%

Run 8: Report of PCC-Allegro — Data Link

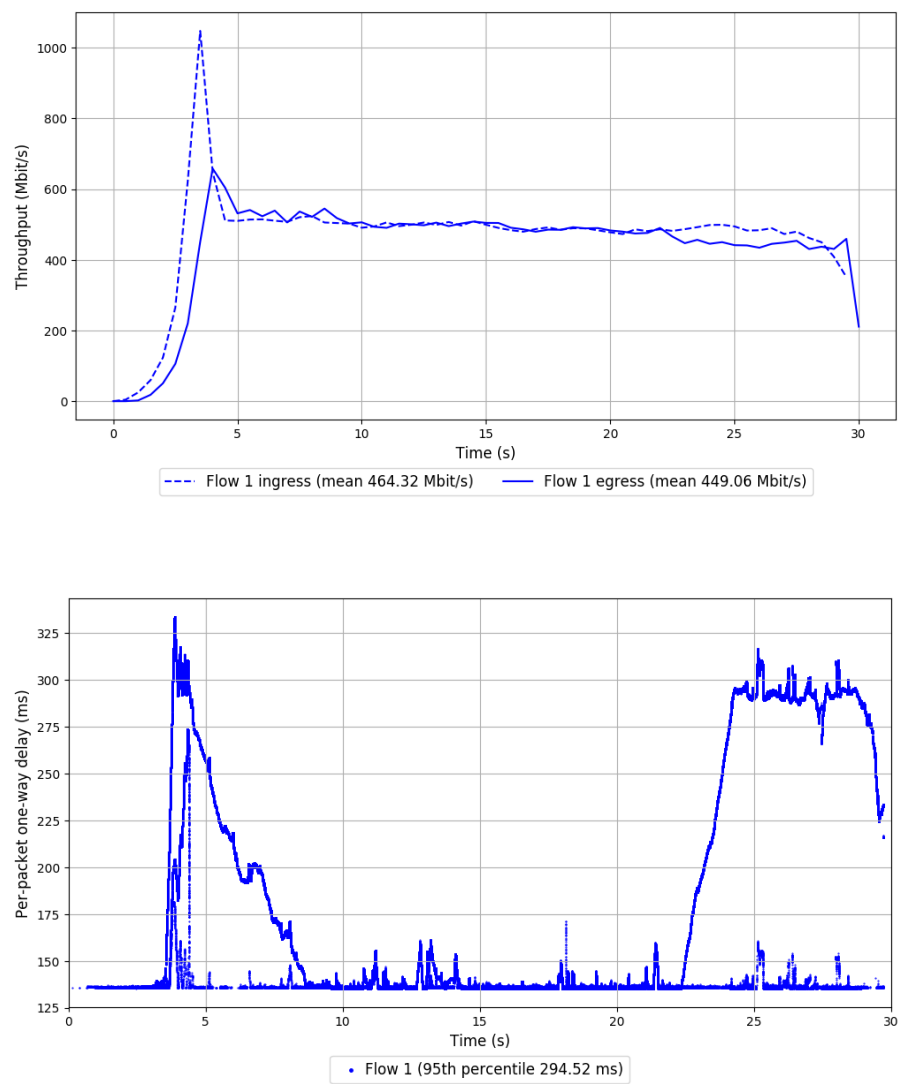


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-19 14:34:48
End at: 2018-07-19 14:35:18
Local clock offset: -0.012 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-19 16:33:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 449.06 Mbit/s
95th percentile per-packet one-way delay: 294.518 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 449.06 Mbit/s
95th percentile per-packet one-way delay: 294.518 ms
Loss rate: 4.17%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-19 14:57:51

End at: 2018-07-19 14:58:21

Local clock offset: -0.111 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-07-19 16:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 454.01 Mbit/s

95th percentile per-packet one-way delay: 264.875 ms

Loss rate: 2.58%

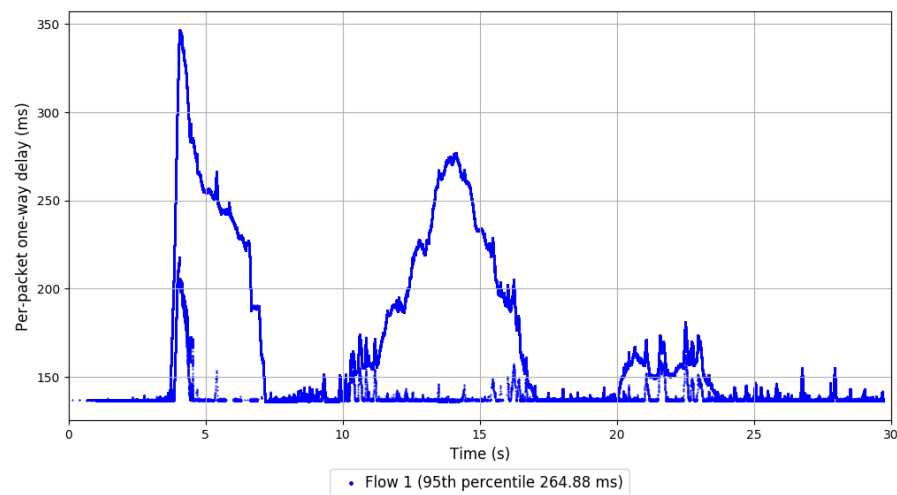
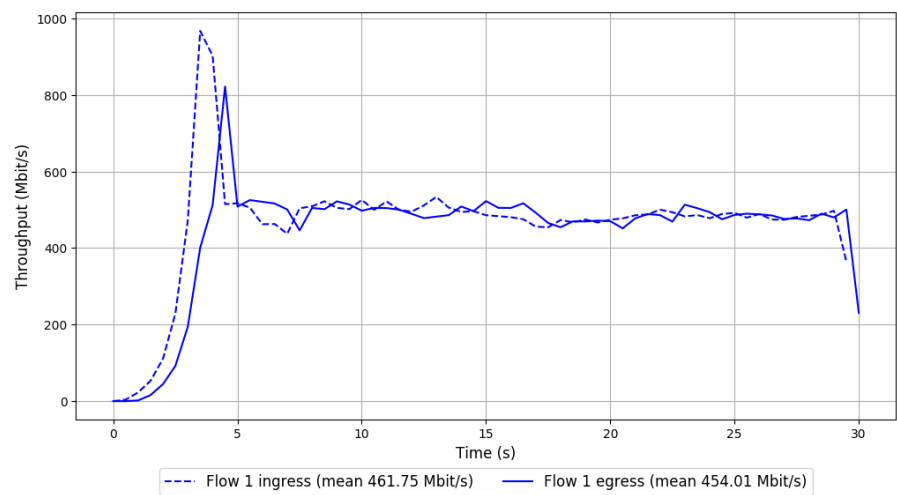
-- Flow 1:

Average throughput: 454.01 Mbit/s

95th percentile per-packet one-way delay: 264.875 ms

Loss rate: 2.58%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-19 11:48:54

End at: 2018-07-19 11:49:24

Local clock offset: -0.726 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-19 16:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.92 Mbit/s

95th percentile per-packet one-way delay: 144.176 ms

Loss rate: 1.49%

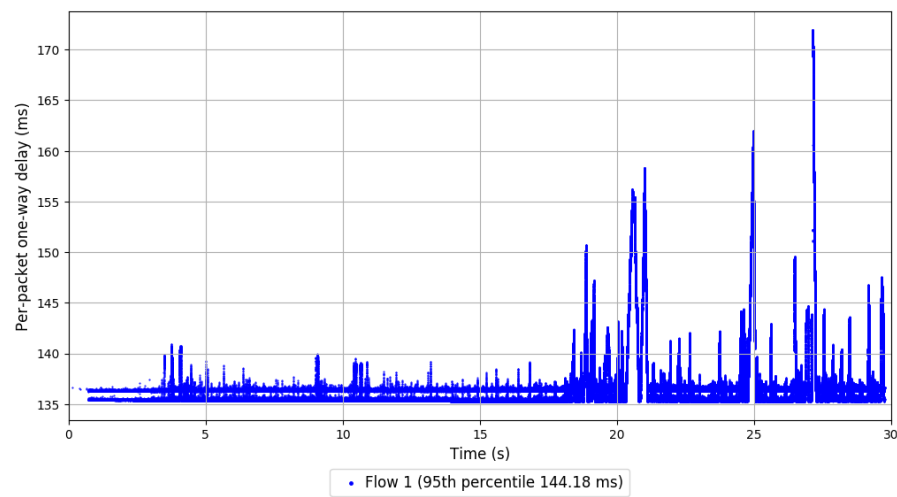
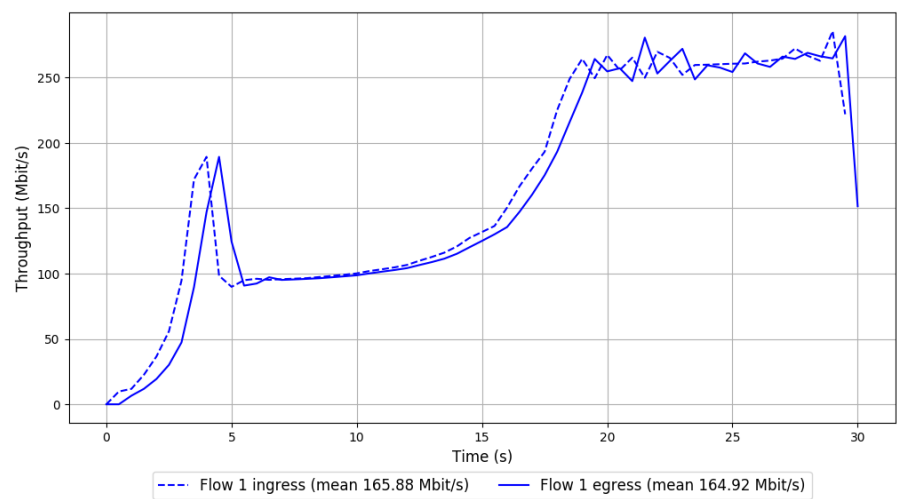
-- Flow 1:

Average throughput: 164.92 Mbit/s

95th percentile per-packet one-way delay: 144.176 ms

Loss rate: 1.49%

Run 1: Report of PCC-Expr — Data Link

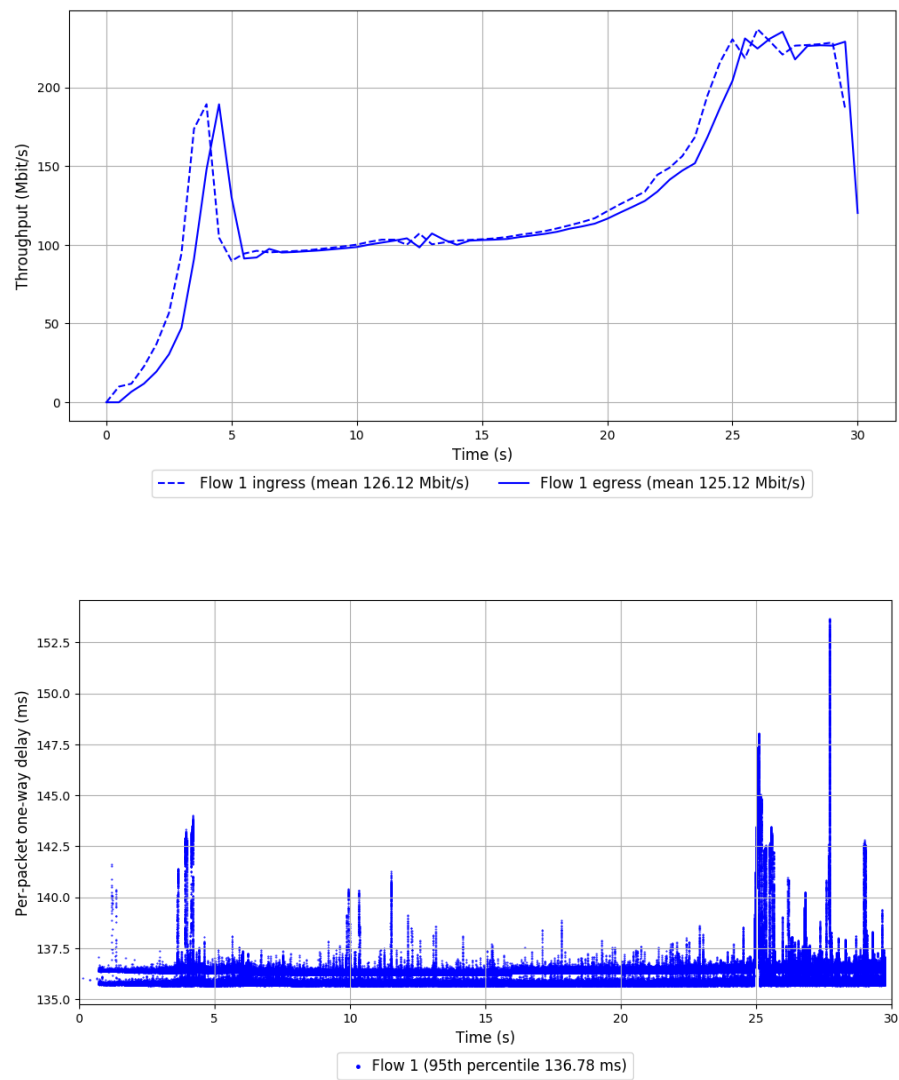


Run 2: Statistics of PCC-Expr

Start at: 2018-07-19 12:11:32
End at: 2018-07-19 12:12:02
Local clock offset: -0.88 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-19 16:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.12 Mbit/s
95th percentile per-packet one-way delay: 136.780 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 125.12 Mbit/s
95th percentile per-packet one-way delay: 136.780 ms
Loss rate: 1.70%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-19 12:33:53

End at: 2018-07-19 12:34:23

Local clock offset: -0.975 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-07-19 16:35:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.55 Mbit/s

95th percentile per-packet one-way delay: 171.568 ms

Loss rate: 1.24%

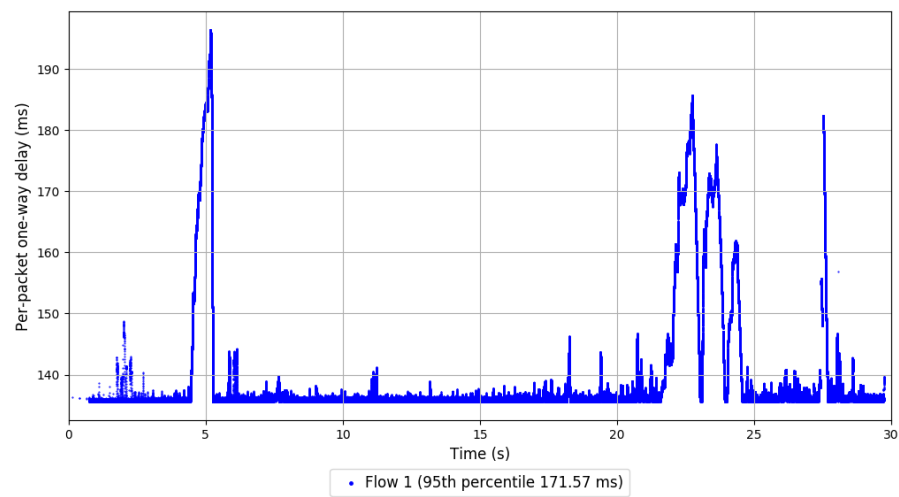
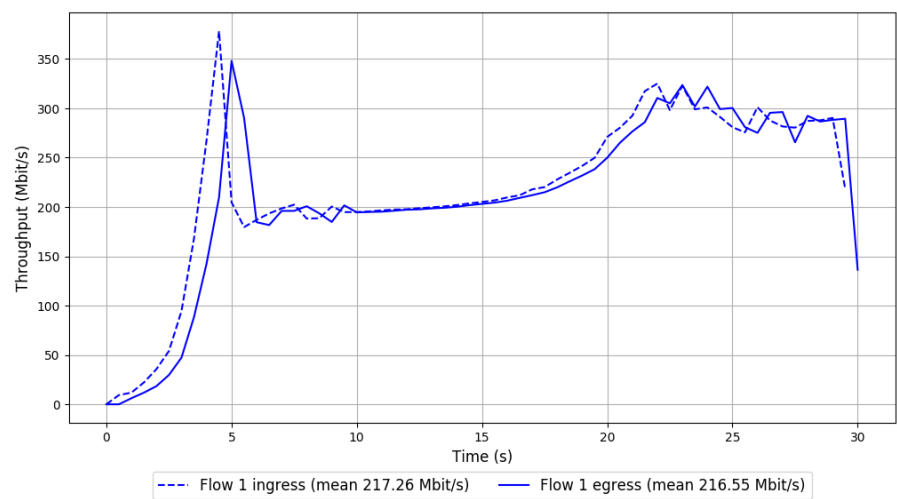
-- Flow 1:

Average throughput: 216.55 Mbit/s

95th percentile per-packet one-way delay: 171.568 ms

Loss rate: 1.24%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-19 12:56:52

End at: 2018-07-19 12:57:22

Local clock offset: -0.035 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-19 16:40:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.71 Mbit/s

95th percentile per-packet one-way delay: 250.868 ms

Loss rate: 2.26%

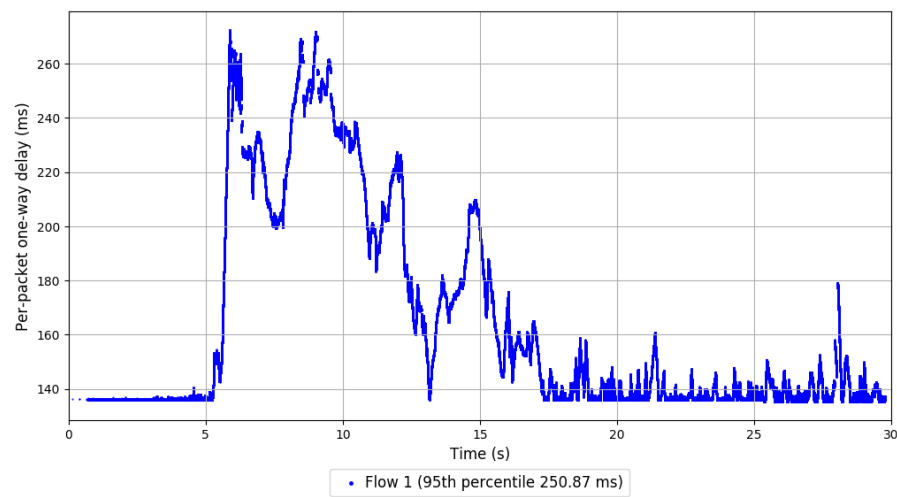
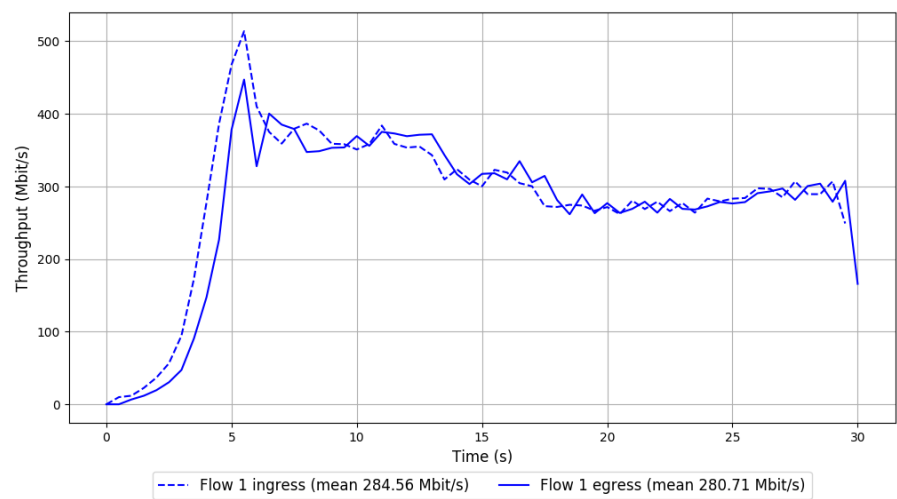
-- Flow 1:

Average throughput: 280.71 Mbit/s

95th percentile per-packet one-way delay: 250.868 ms

Loss rate: 2.26%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-19 13:20:05

End at: 2018-07-19 13:20:35

Local clock offset: 0.286 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-07-19 16:40:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.05 Mbit/s

95th percentile per-packet one-way delay: 274.475 ms

Loss rate: 2.27%

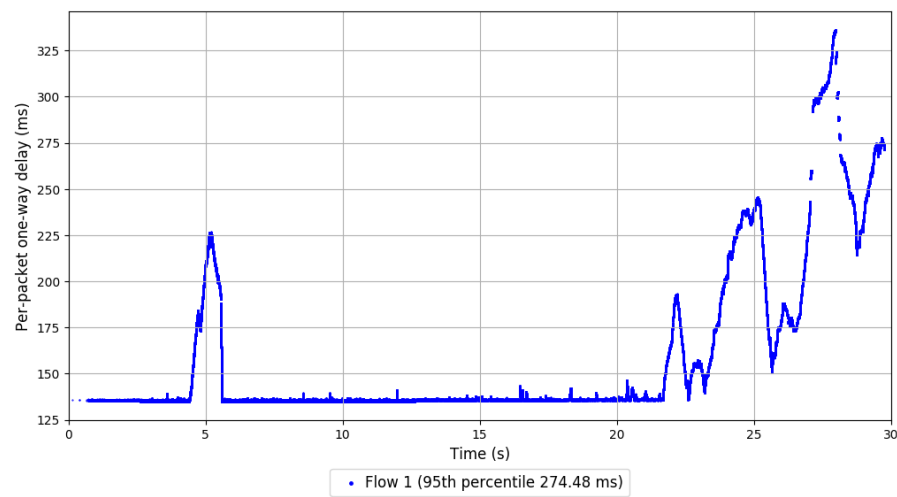
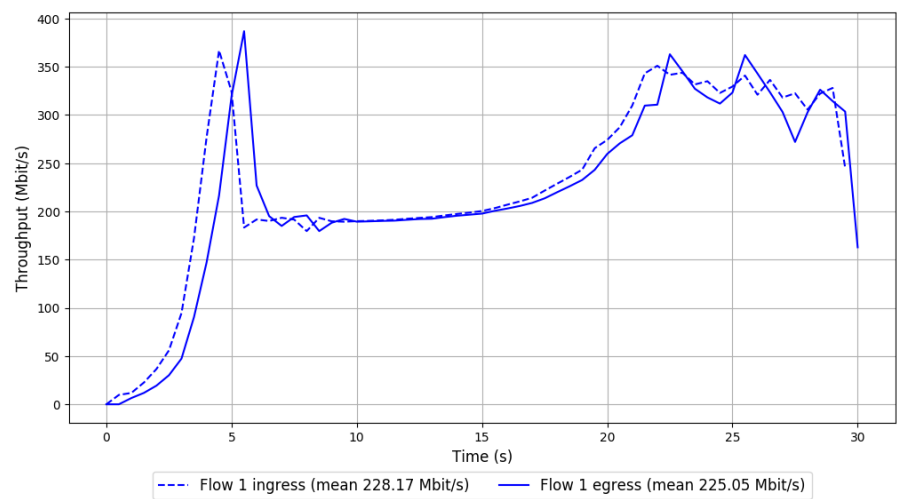
-- Flow 1:

Average throughput: 225.05 Mbit/s

95th percentile per-packet one-way delay: 274.475 ms

Loss rate: 2.27%

Run 5: Report of PCC-Expr — Data Link

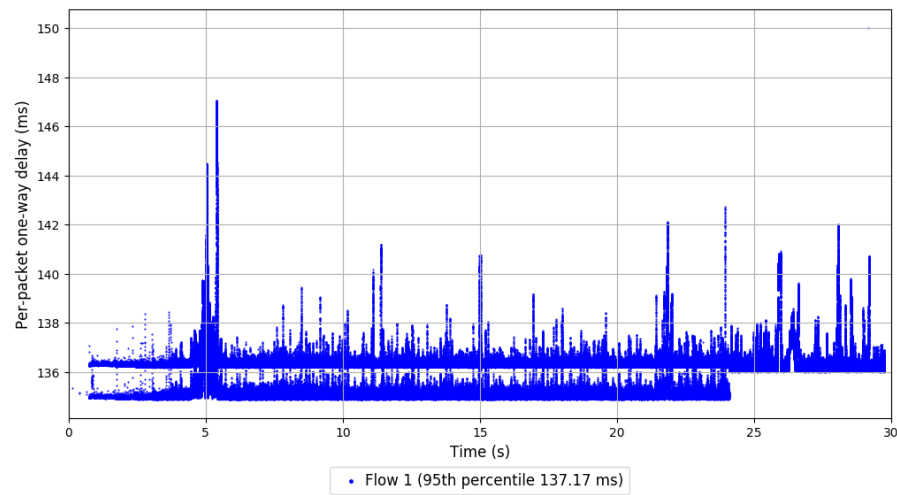
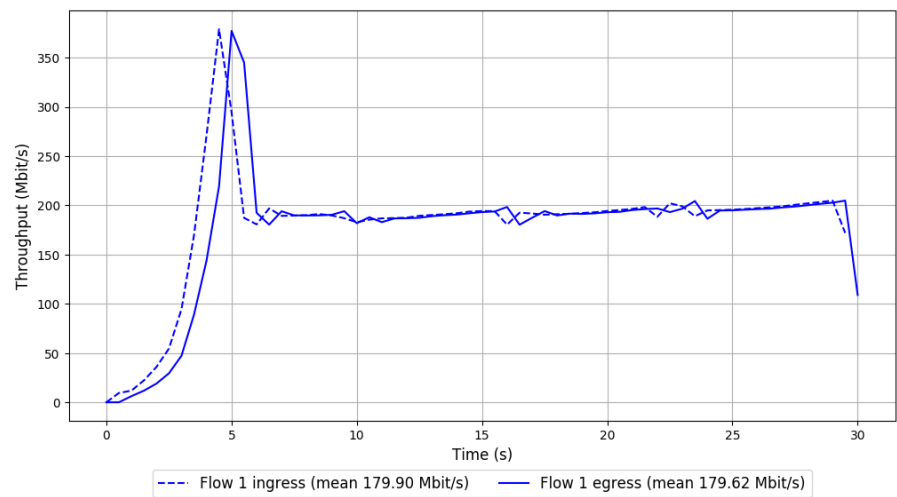


Run 6: Statistics of PCC-Expr

Start at: 2018-07-19 13:43:13
End at: 2018-07-19 13:43:44
Local clock offset: 0.607 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-19 16:40:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 1.10%

Run 6: Report of PCC-Expr — Data Link

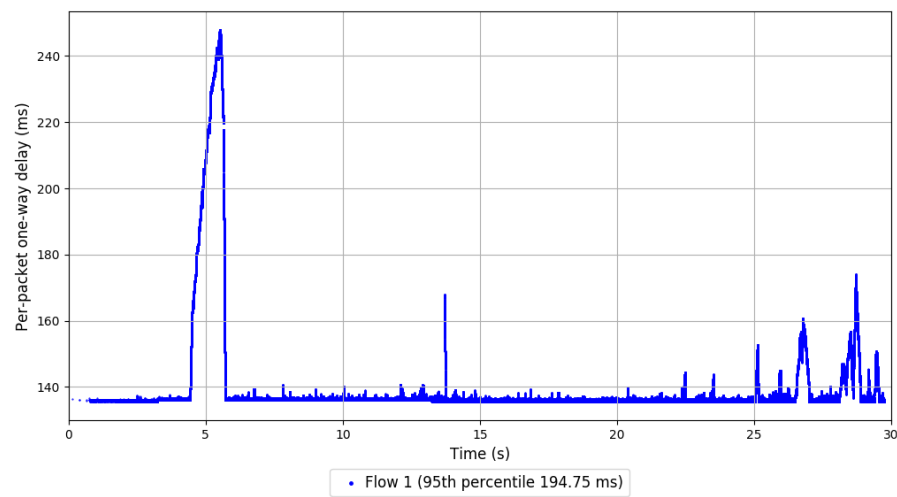
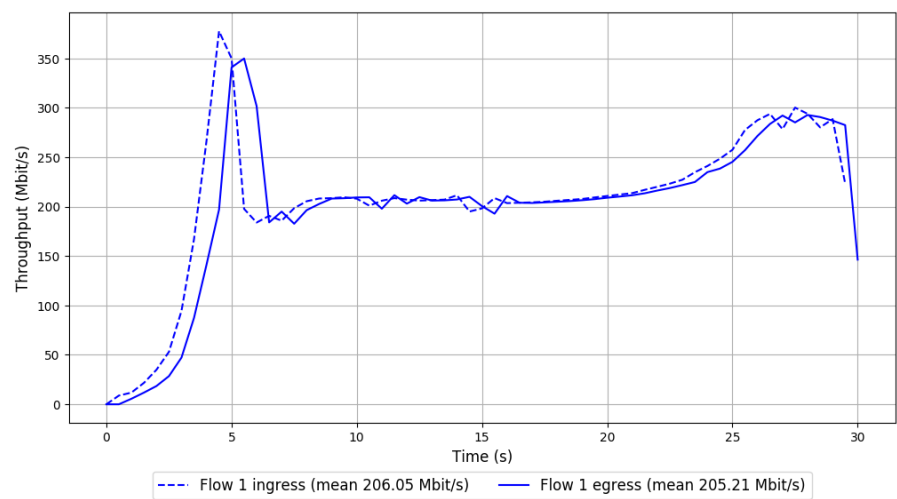


Run 7: Statistics of PCC-Expr

Start at: 2018-07-19 14:05:54
End at: 2018-07-19 14:06:24
Local clock offset: 0.652 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-07-19 16:40:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 194.751 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 205.21 Mbit/s
95th percentile per-packet one-way delay: 194.751 ms
Loss rate: 1.32%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-19 14:28:37

End at: 2018-07-19 14:29:07

Local clock offset: 0.37 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-07-19 16:41:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.69 Mbit/s

95th percentile per-packet one-way delay: 265.720 ms

Loss rate: 2.34%

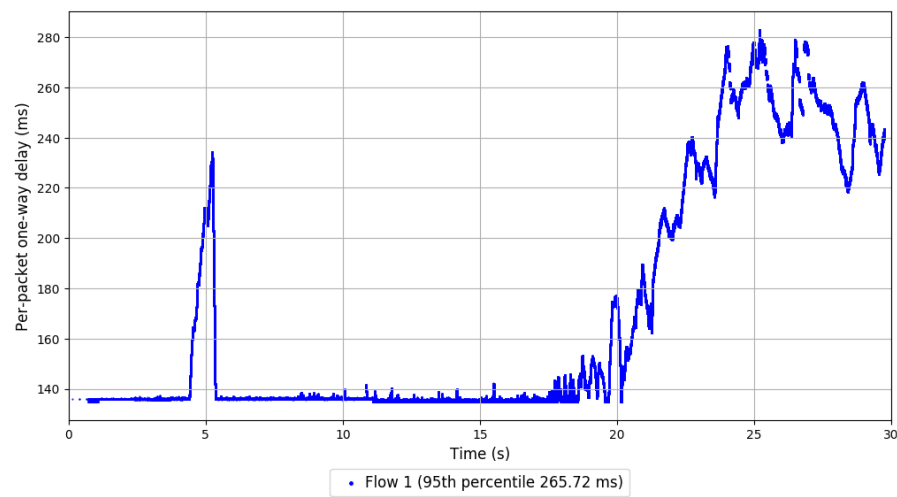
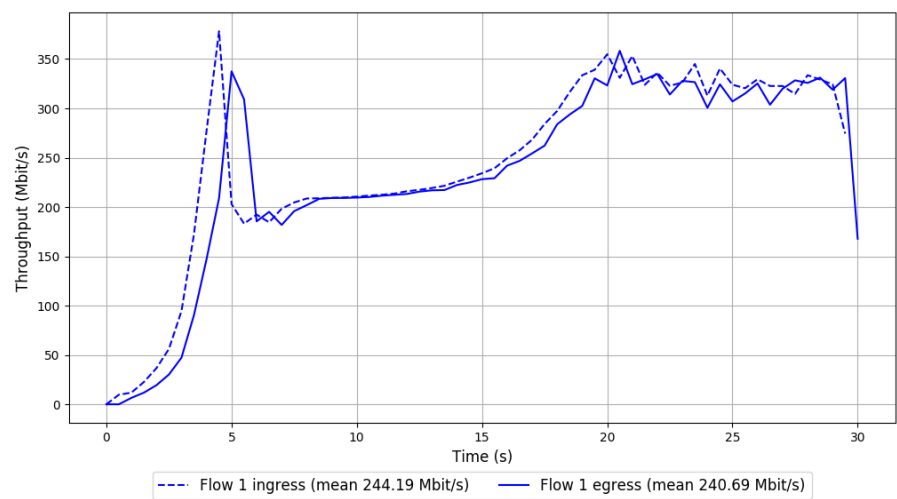
-- Flow 1:

Average throughput: 240.69 Mbit/s

95th percentile per-packet one-way delay: 265.720 ms

Loss rate: 2.34%

Run 8: Report of PCC-Expr — Data Link

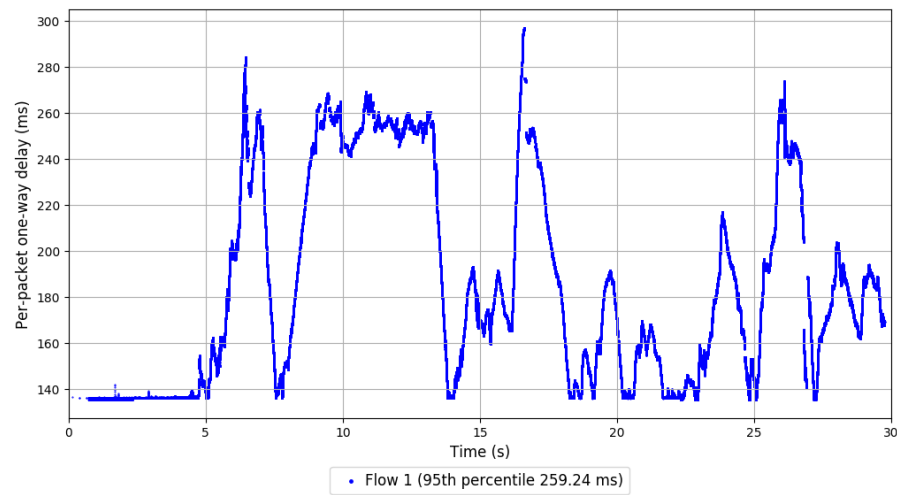
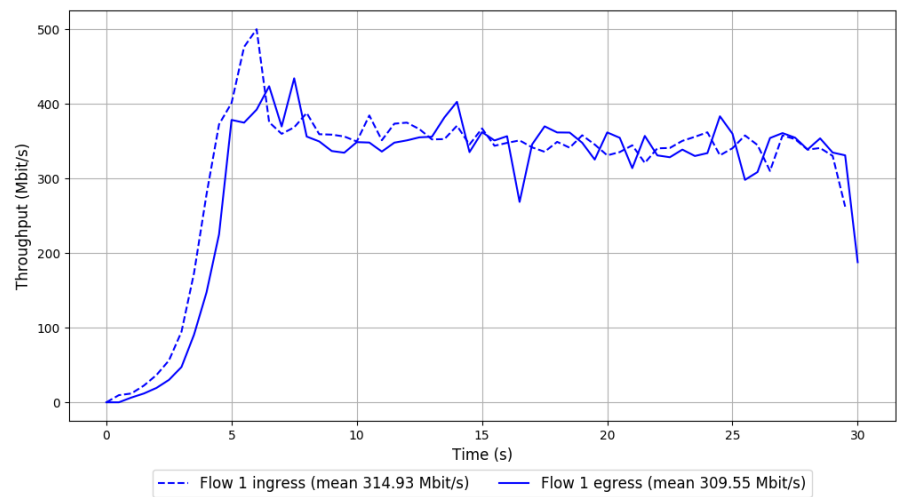


Run 9: Statistics of PCC-Expr

Start at: 2018-07-19 14:51:35
End at: 2018-07-19 14:52:05
Local clock offset: -0.412 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.55 Mbit/s
95th percentile per-packet one-way delay: 259.237 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 309.55 Mbit/s
95th percentile per-packet one-way delay: 259.237 ms
Loss rate: 2.61%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-19 15:14:25

End at: 2018-07-19 15:14:56

Local clock offset: -0.084 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.44 Mbit/s

95th percentile per-packet one-way delay: 279.158 ms

Loss rate: 3.70%

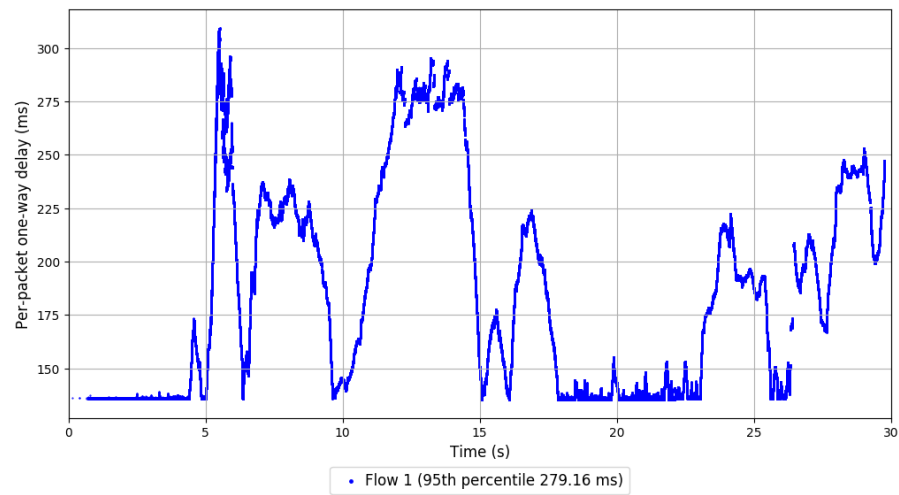
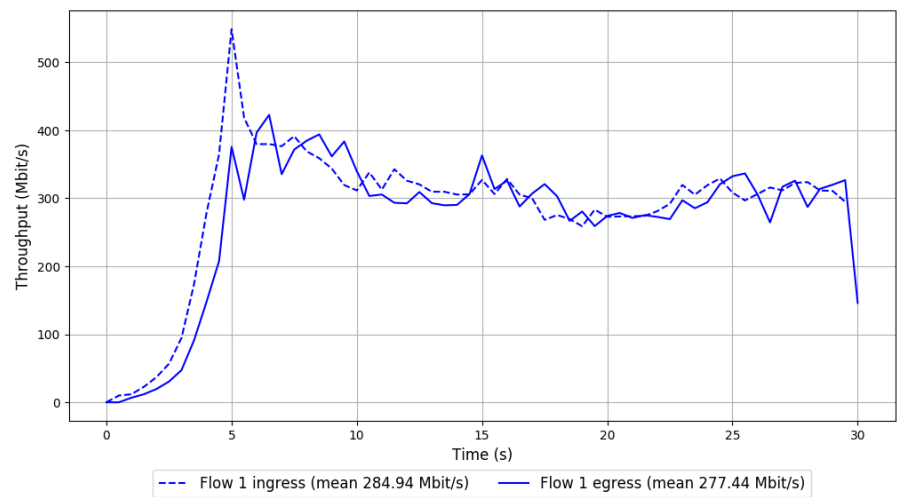
-- Flow 1:

Average throughput: 277.44 Mbit/s

95th percentile per-packet one-way delay: 279.158 ms

Loss rate: 3.70%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

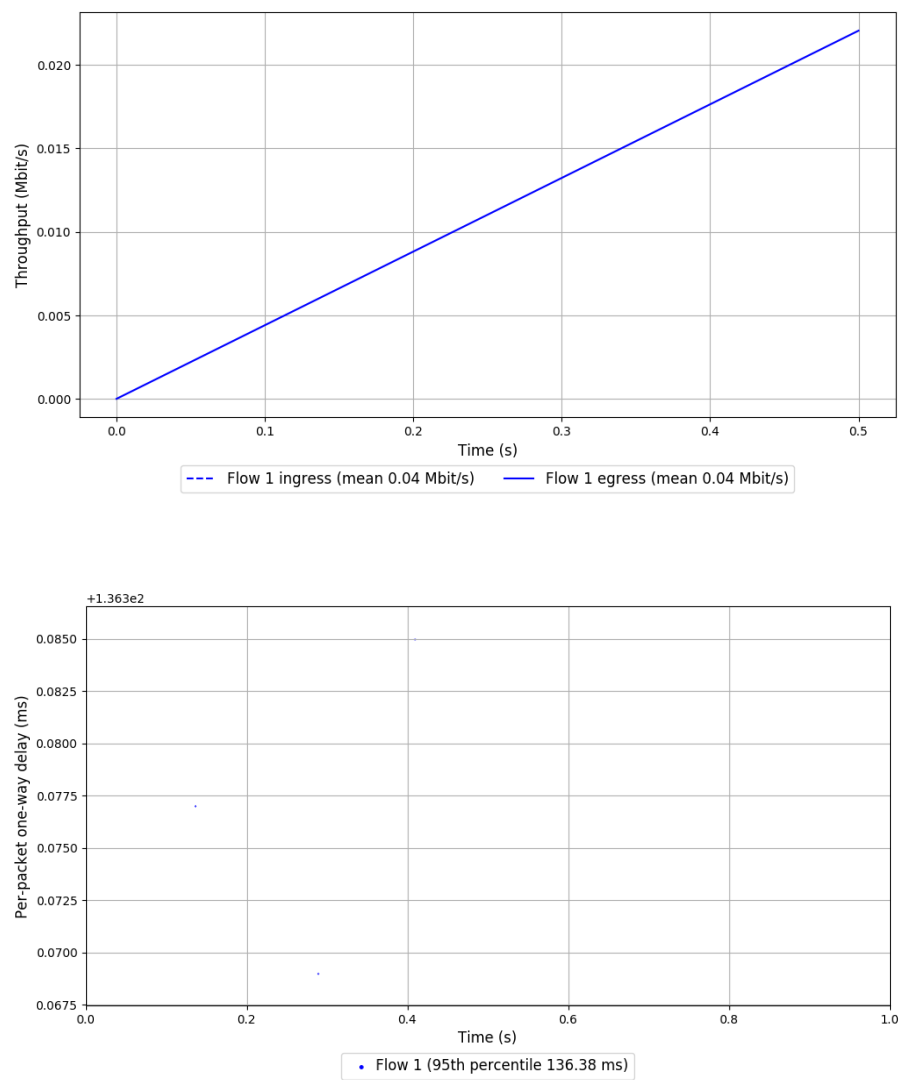
Start at: 2018-07-19 11:37:25

End at: 2018-07-19 11:37:55

Local clock offset: -0.746 ms

Remote clock offset: -0.367 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

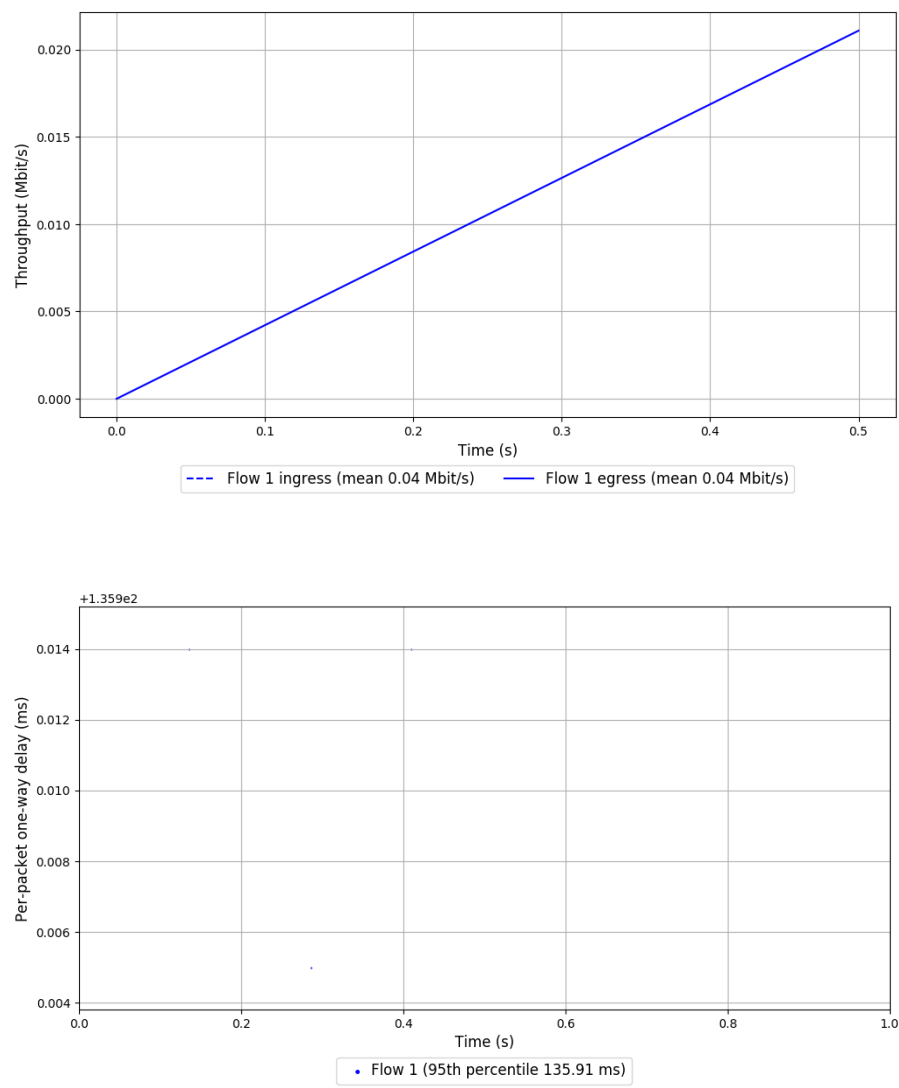
Start at: 2018-07-19 11:59:56

End at: 2018-07-19 12:00:26

Local clock offset: -0.797 ms

Remote clock offset: -0.026 ms

Run 2: Report of QUIC Cubic — Data Link

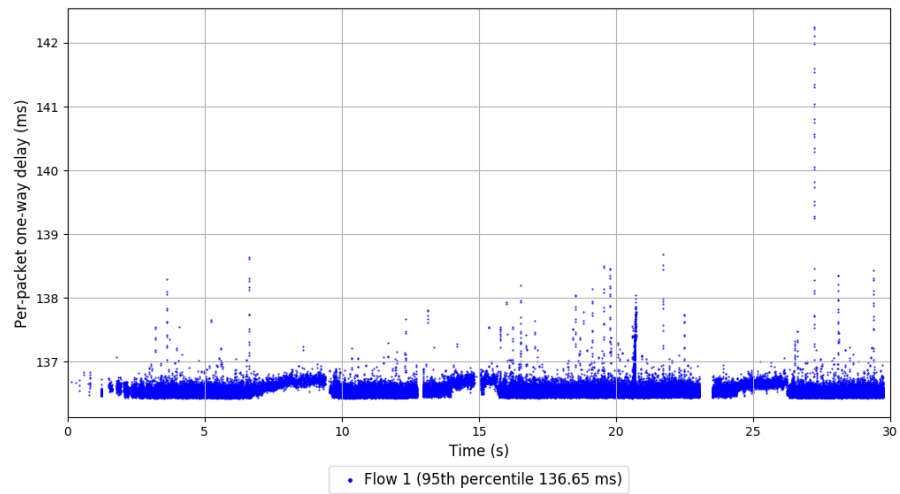
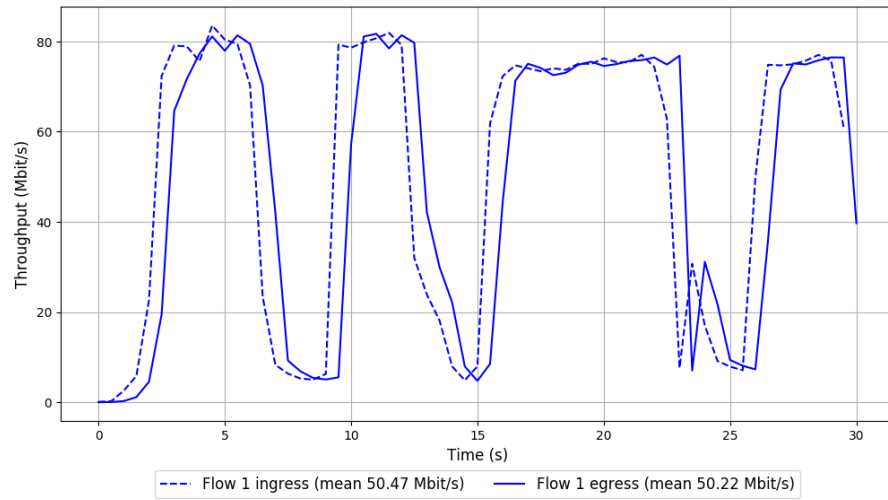


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-19 12:22:21
End at: 2018-07-19 12:22:51
Local clock offset: -0.866 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 136.651 ms
Loss rate: 1.38%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-19 12:45:02

End at: 2018-07-19 12:45:32

Local clock offset: -0.679 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 135.754 ms

Loss rate: 0.16%

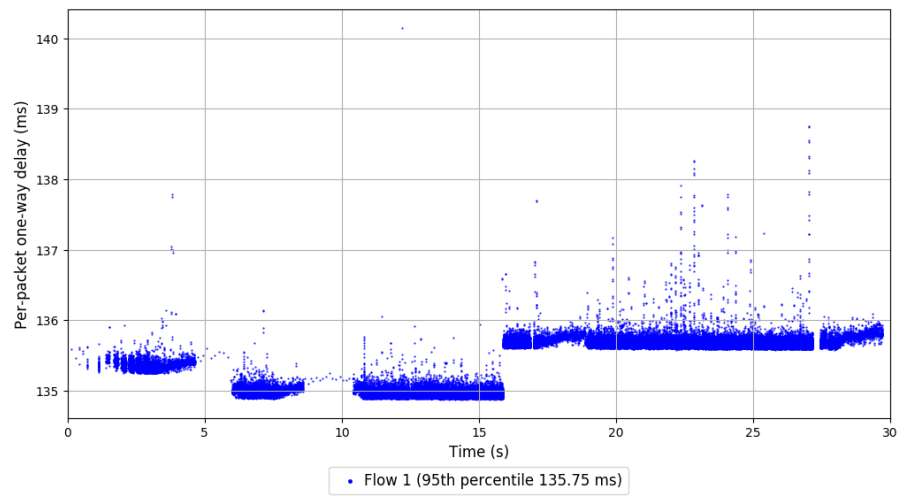
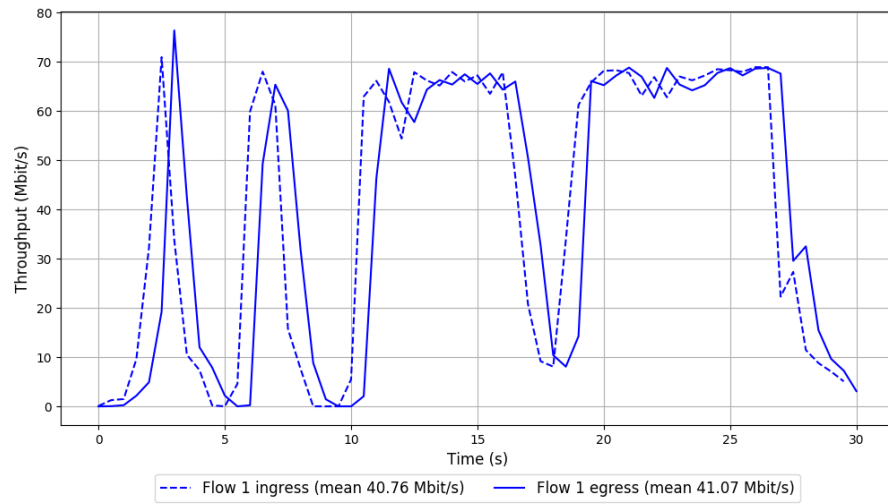
-- Flow 1:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 135.754 ms

Loss rate: 0.16%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

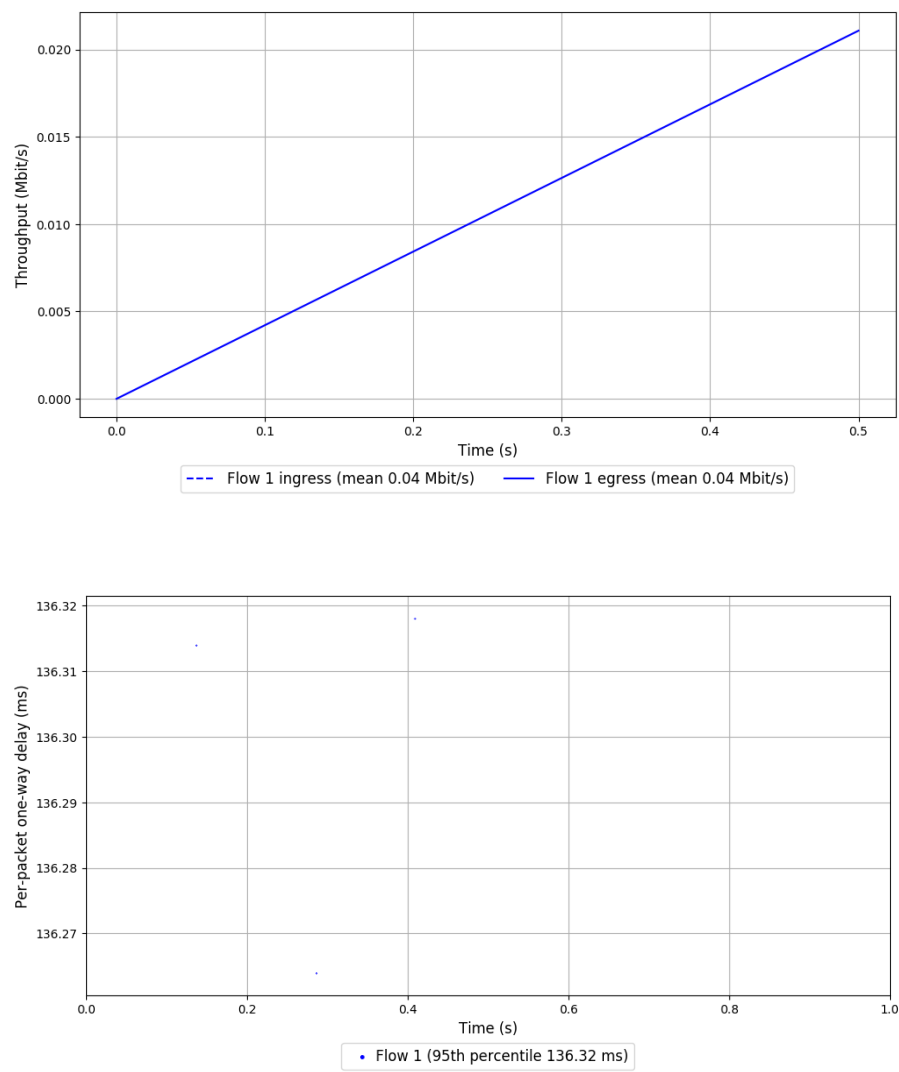
Start at: 2018-07-19 13:08:19

End at: 2018-07-19 13:08:49

Local clock offset: -0.064 ms

Remote clock offset: -0.151 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-19 13:31:15

End at: 2018-07-19 13:31:45

Local clock offset: 0.411 ms

Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.27 Mbit/s

95th percentile per-packet one-way delay: 136.490 ms

Loss rate: 0.19%

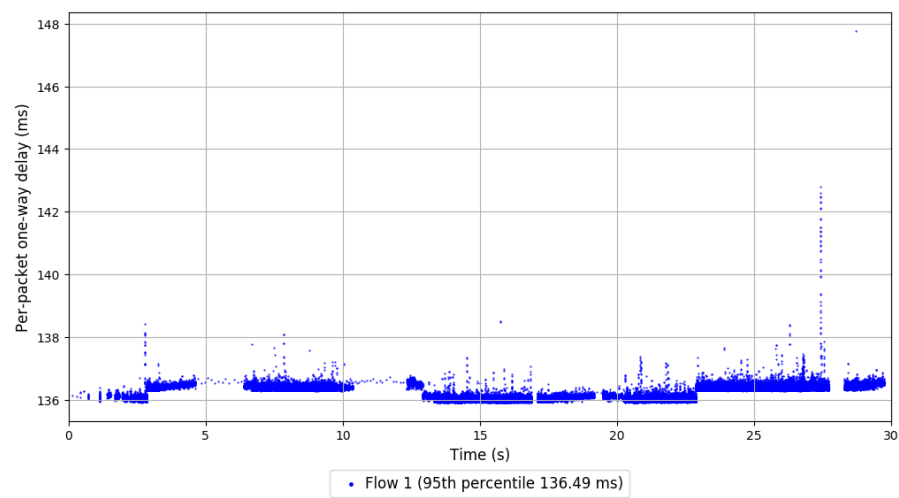
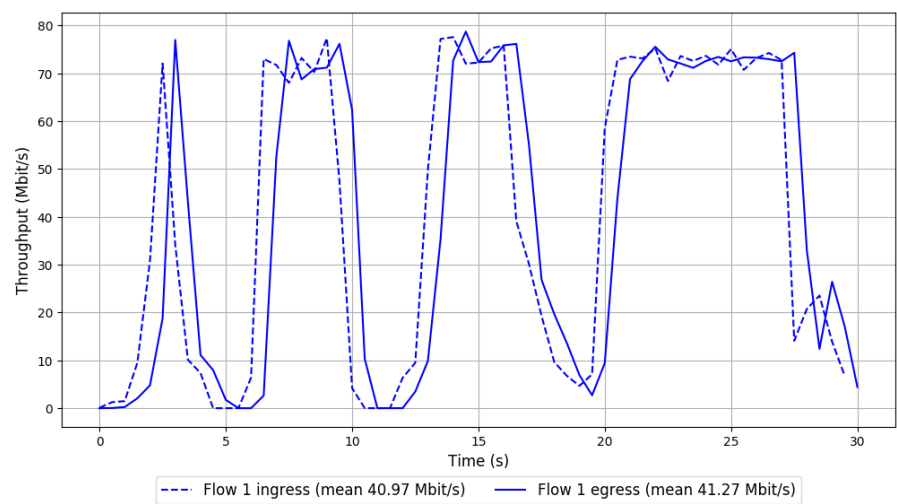
-- Flow 1:

Average throughput: 41.27 Mbit/s

95th percentile per-packet one-way delay: 136.490 ms

Loss rate: 0.19%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-19 13:54:18

End at: 2018-07-19 13:54:48

Local clock offset: 0.836 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 135.448 ms

Loss rate: 0.14%

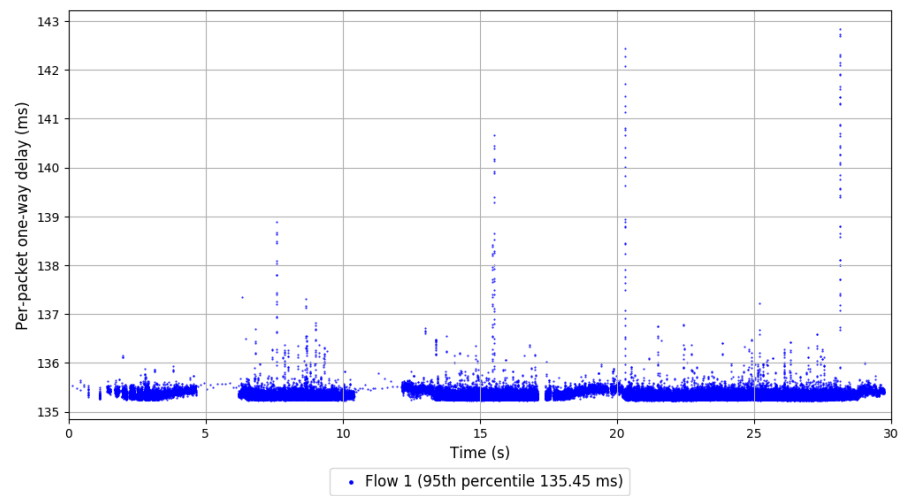
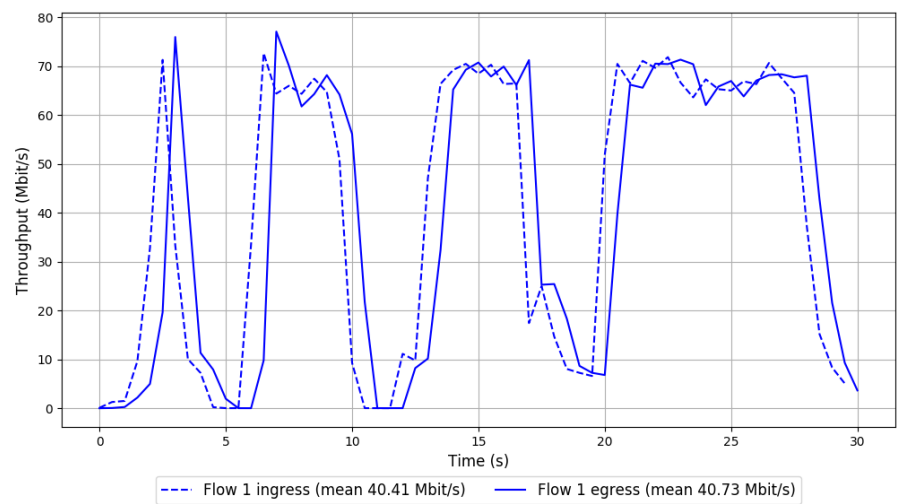
-- Flow 1:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 135.448 ms

Loss rate: 0.14%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

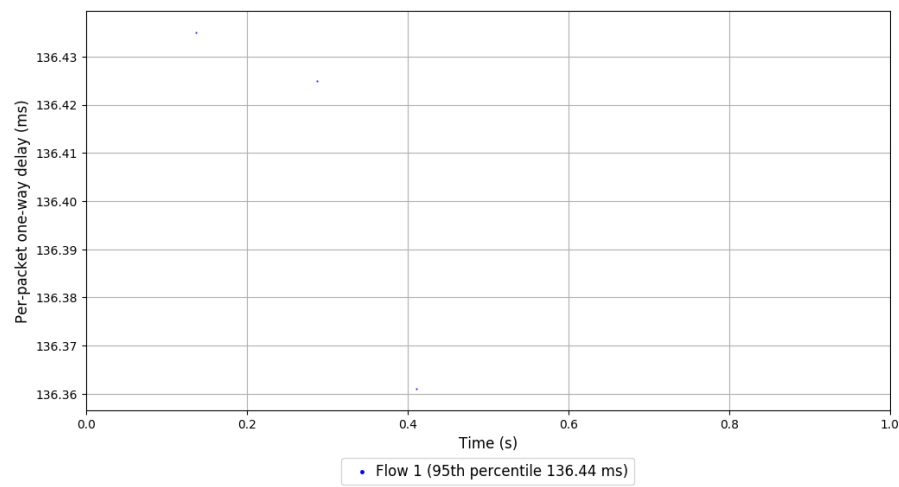
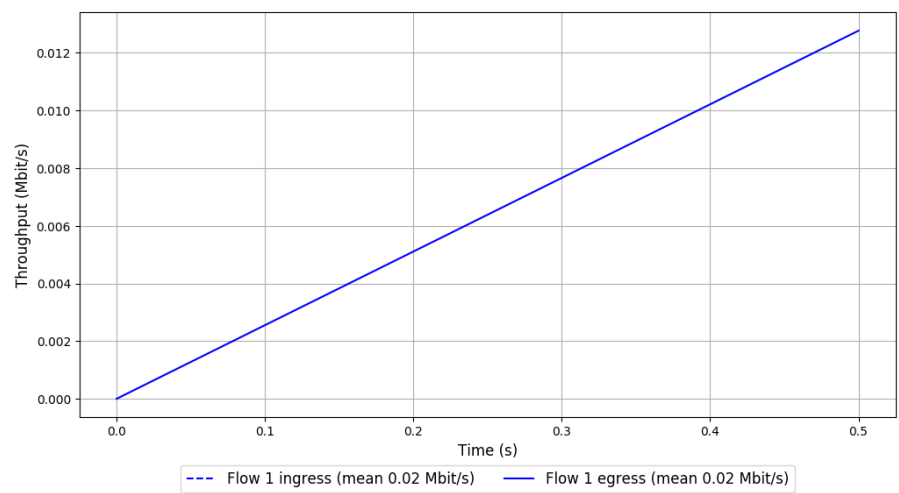
Start at: 2018-07-19 14:17:03

End at: 2018-07-19 14:17:33

Local clock offset: 0.76 ms

Remote clock offset: -0.495 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

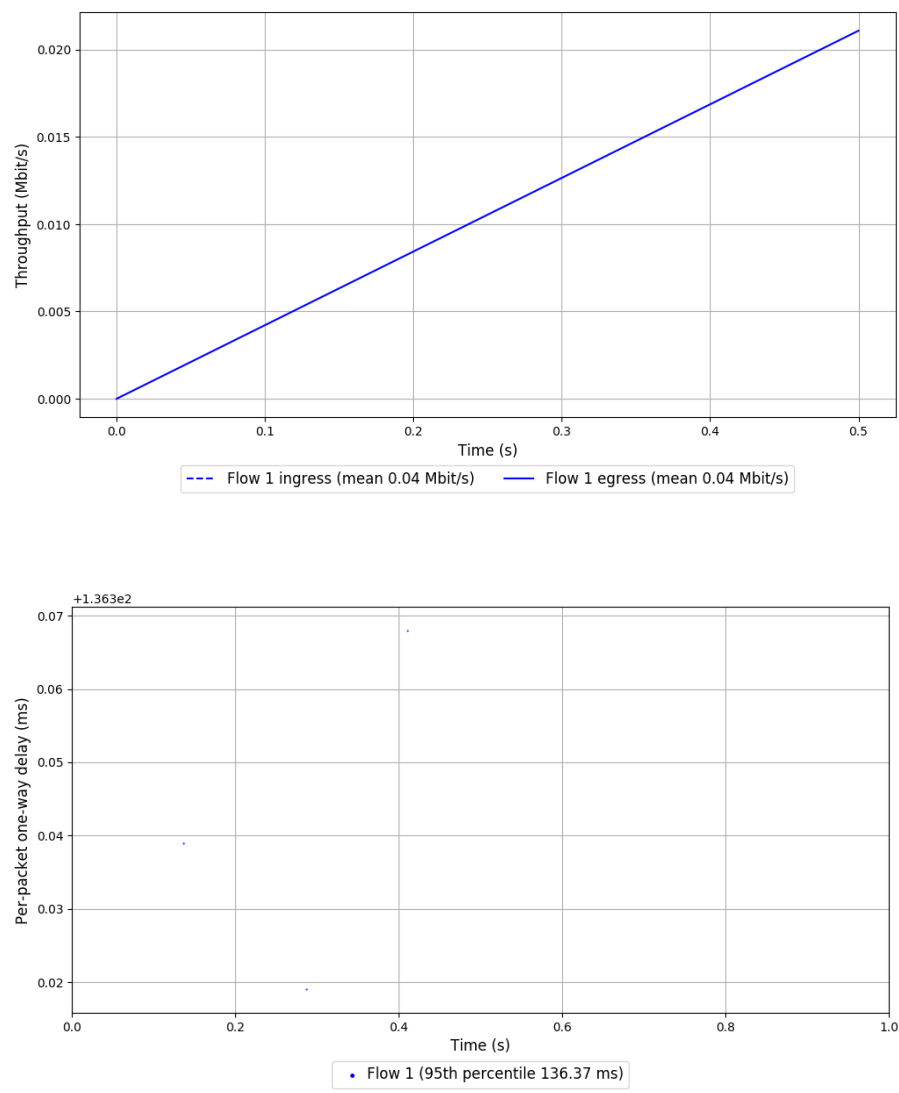
Start at: 2018-07-19 14:39:52

End at: 2018-07-19 14:40:22

Local clock offset: -0.241 ms

Remote clock offset: -0.087 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-19 15:02:55

End at: 2018-07-19 15:03:25

Local clock offset: -0.091 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.72 Mbit/s

95th percentile per-packet one-way delay: 135.852 ms

Loss rate: 1.39%

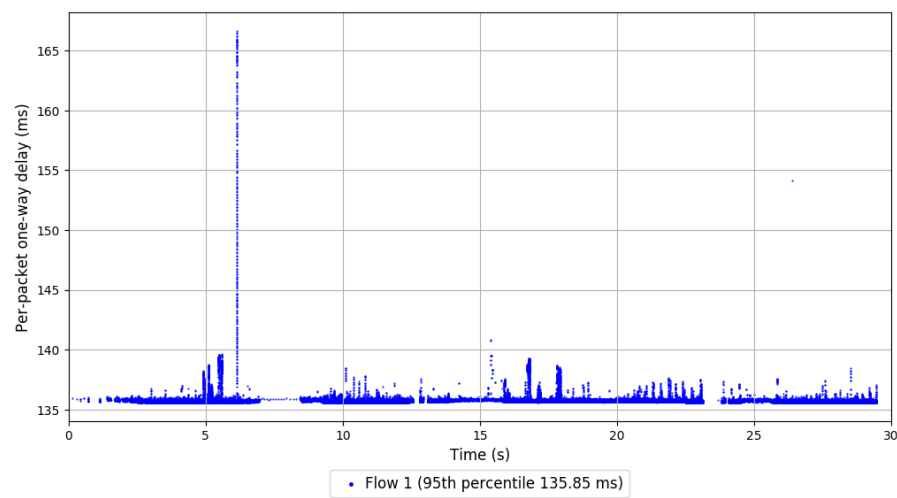
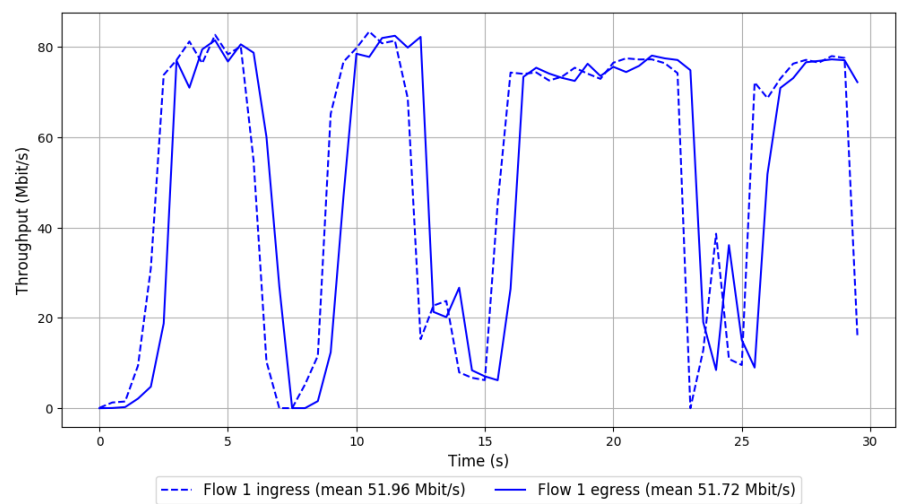
-- Flow 1:

Average throughput: 51.72 Mbit/s

95th percentile per-packet one-way delay: 135.852 ms

Loss rate: 1.39%

Run 10: Report of QUIC Cubic — Data Link

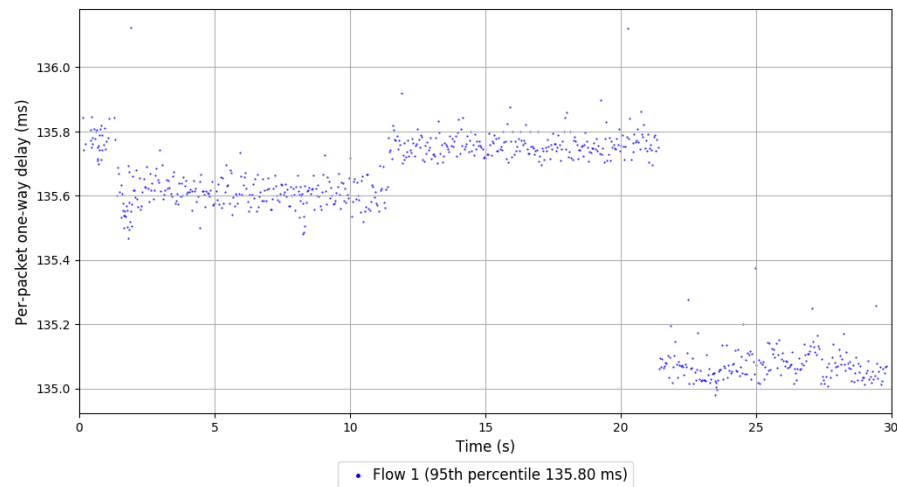
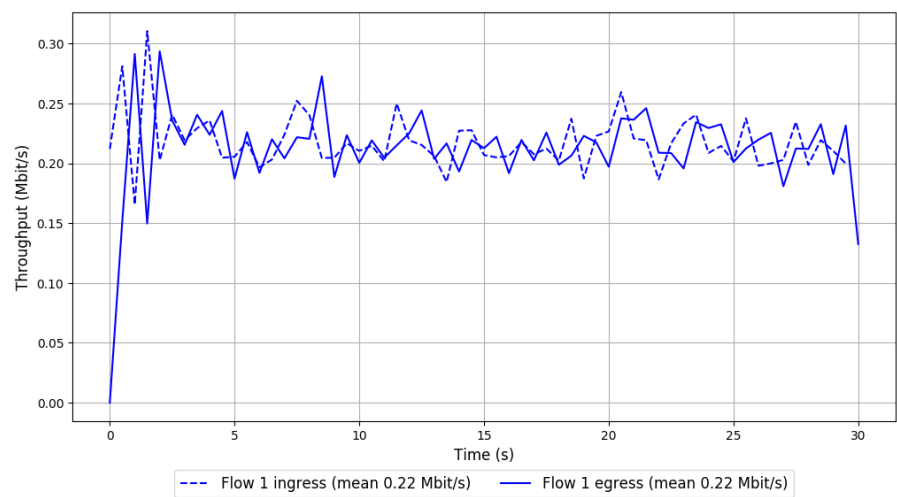


```
Run 1: Statistics of SCReAM

Start at: 2018-07-19 11:29:26
End at: 2018-07-19 11:29:56
Local clock offset: -0.755 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-07-19 16:45:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.799 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.799 ms
Loss rate: 0.89%
```

Run 1: Report of SReAM — Data Link

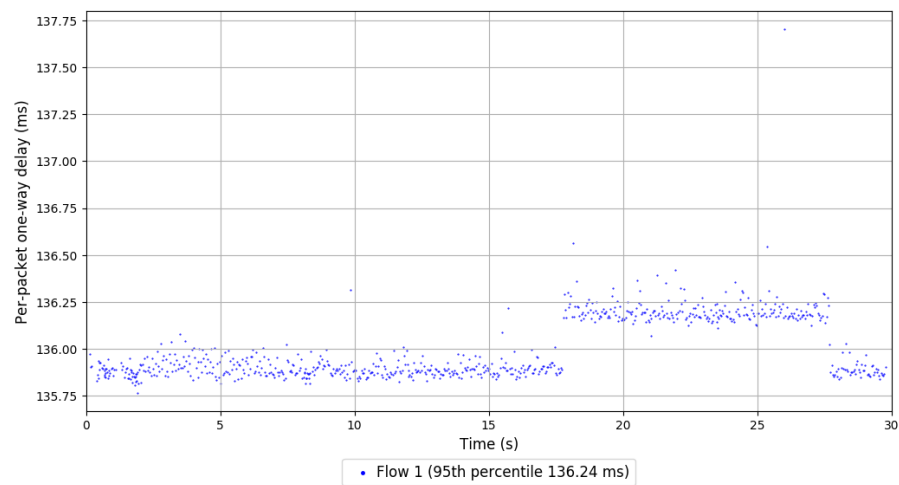
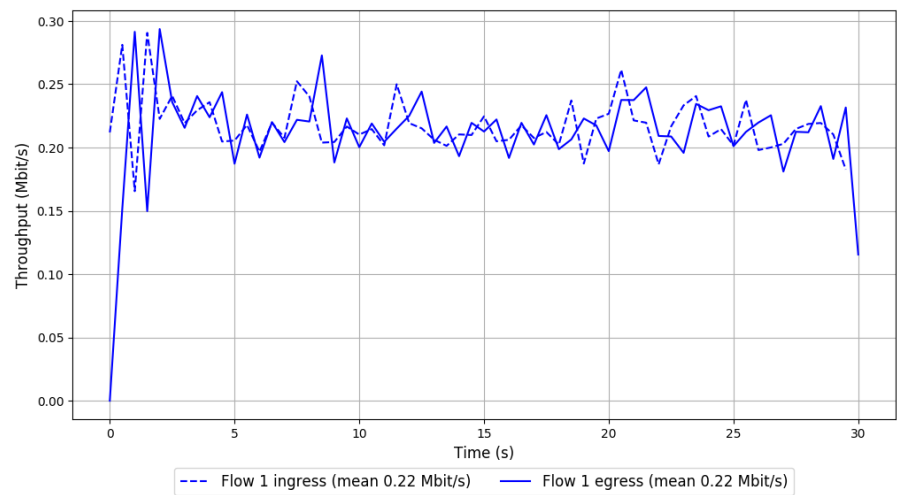


Run 2: Statistics of SCReAM

Start at: 2018-07-19 11:52:00
End at: 2018-07-19 11:52:30
Local clock offset: -1.089 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link

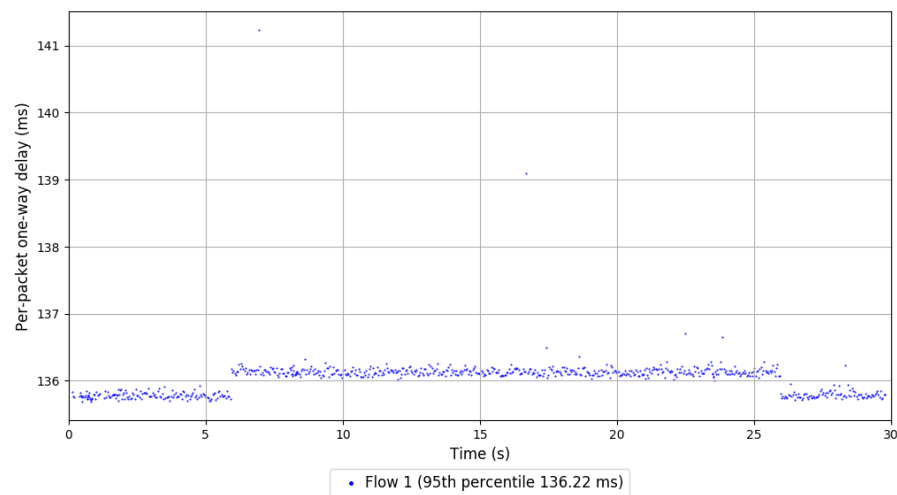
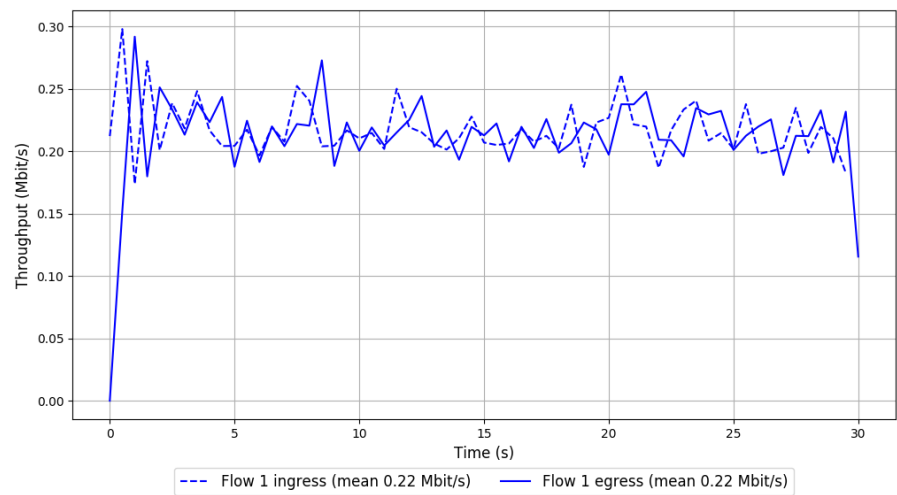


Run 3: Statistics of SCReAM

Start at: 2018-07-19 12:14:32
End at: 2018-07-19 12:15:02
Local clock offset: -0.894 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.215 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.215 ms
Loss rate: 0.90%

Run 3: Report of SReAM — Data Link

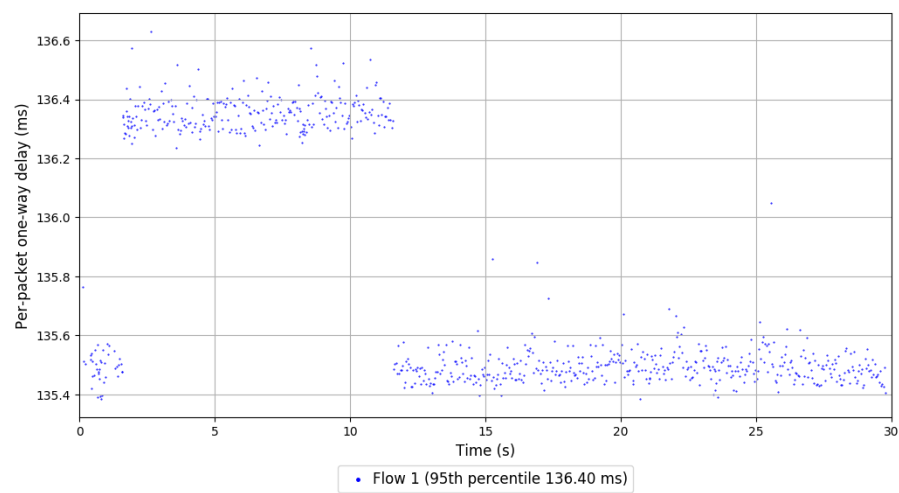
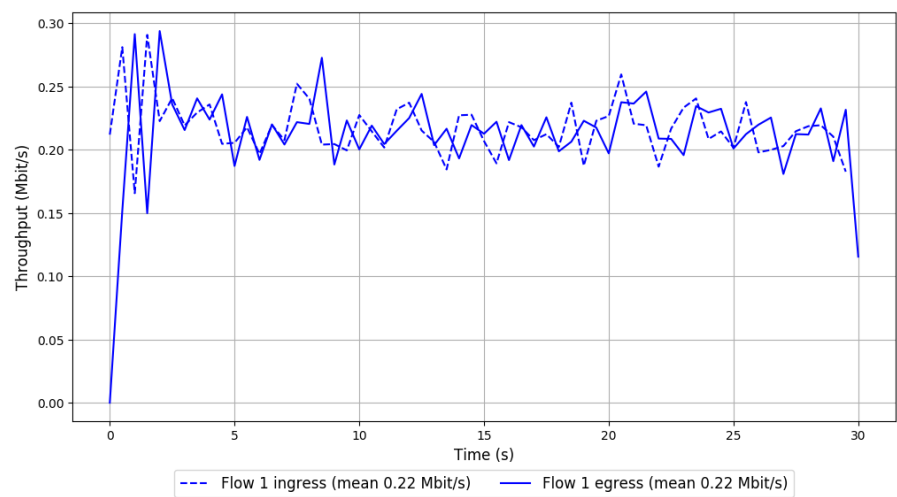


Run 4: Statistics of SCReAM

Start at: 2018-07-19 12:37:06
End at: 2018-07-19 12:37:36
Local clock offset: -1.184 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.403 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.403 ms
Loss rate: 0.89%

Run 4: Report of SReAM — Data Link

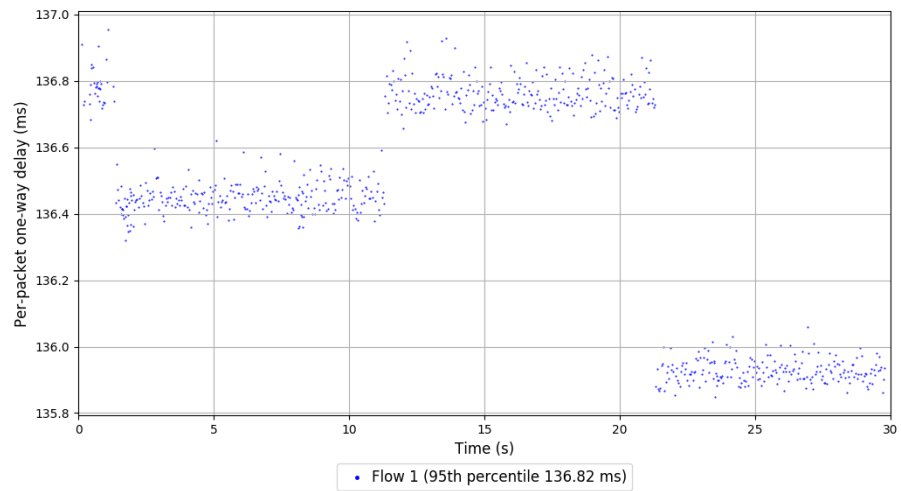
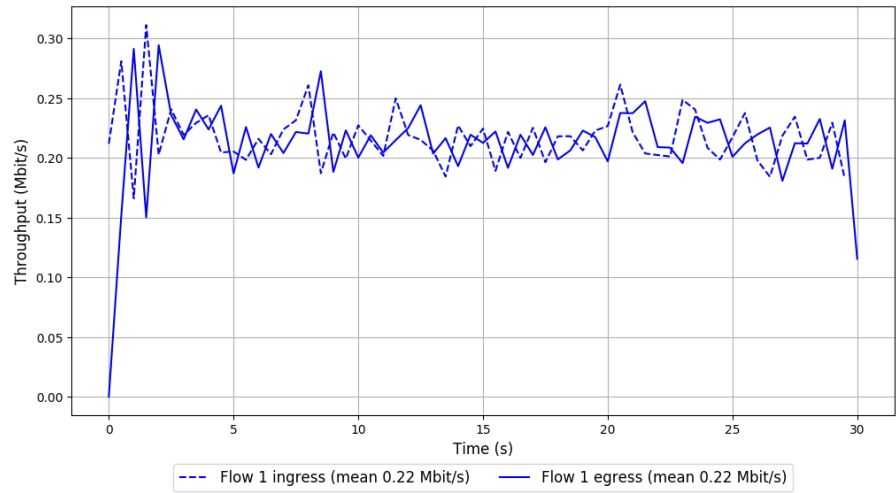


Run 5: Statistics of SCReAM

Start at: 2018-07-19 13:00:16
End at: 2018-07-19 13:00:46
Local clock offset: -0.086 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.89%

Run 5: Report of SReAM — Data Link

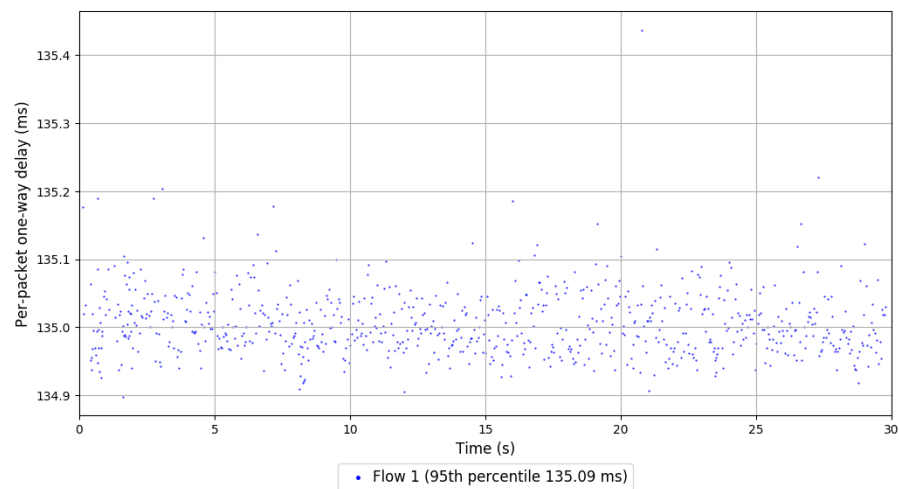
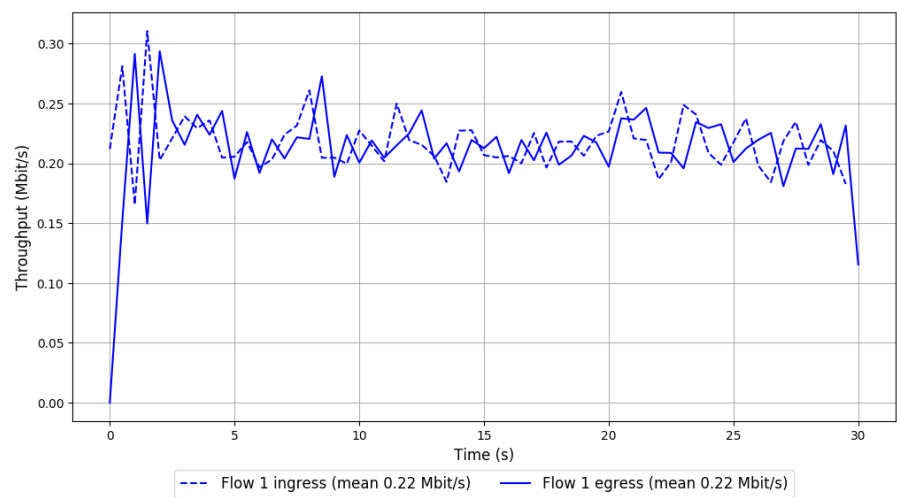


Run 6: Statistics of SCReAM

Start at: 2018-07-19 13:23:20
End at: 2018-07-19 13:23:50
Local clock offset: 0.241 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.085 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.085 ms
Loss rate: 0.89%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-19 13:46:25

End at: 2018-07-19 13:46:55

Local clock offset: 0.459 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.463 ms

Loss rate: 0.89%

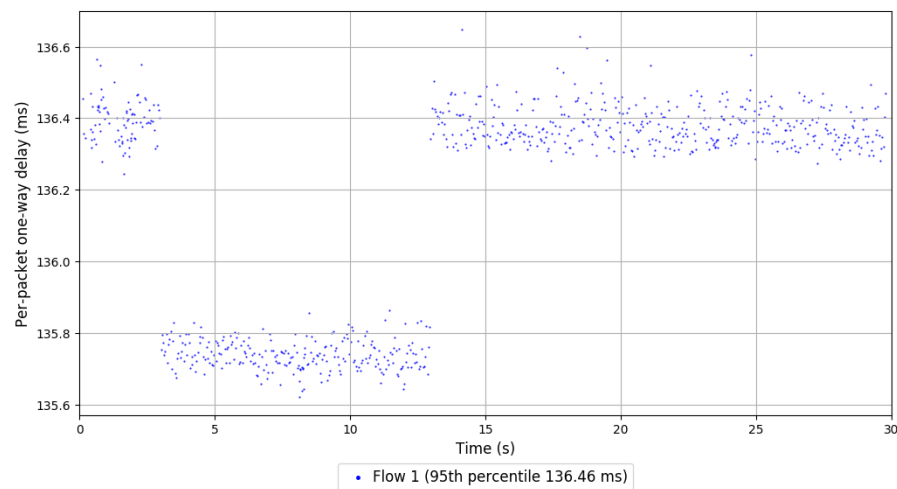
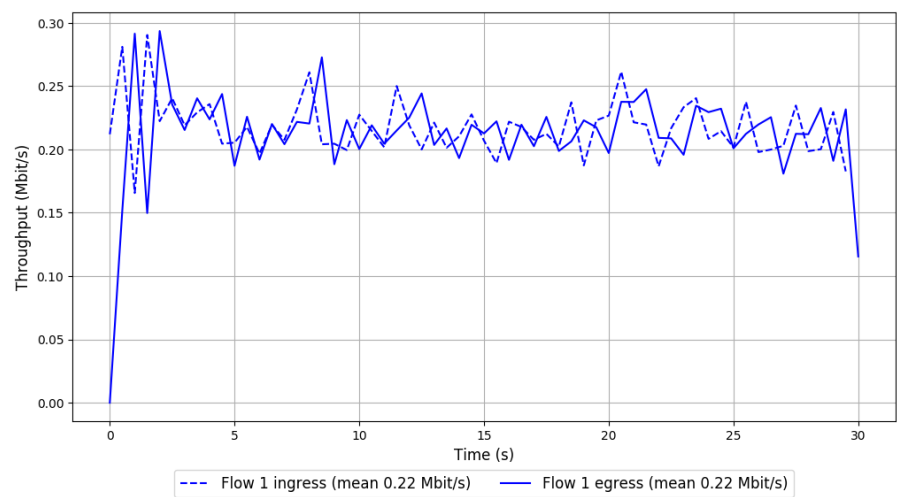
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.463 ms

Loss rate: 0.89%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-19 14:09:09

End at: 2018-07-19 14:09:39

Local clock offset: 0.716 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.824 ms

Loss rate: 0.89%

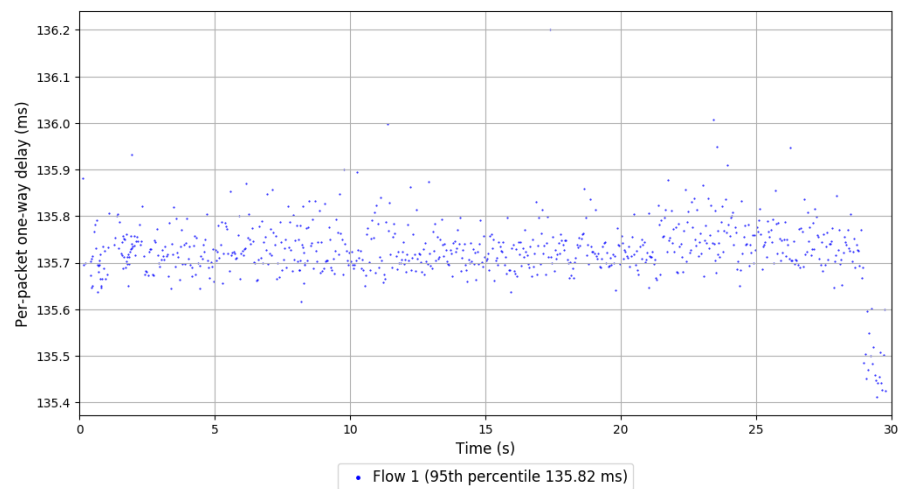
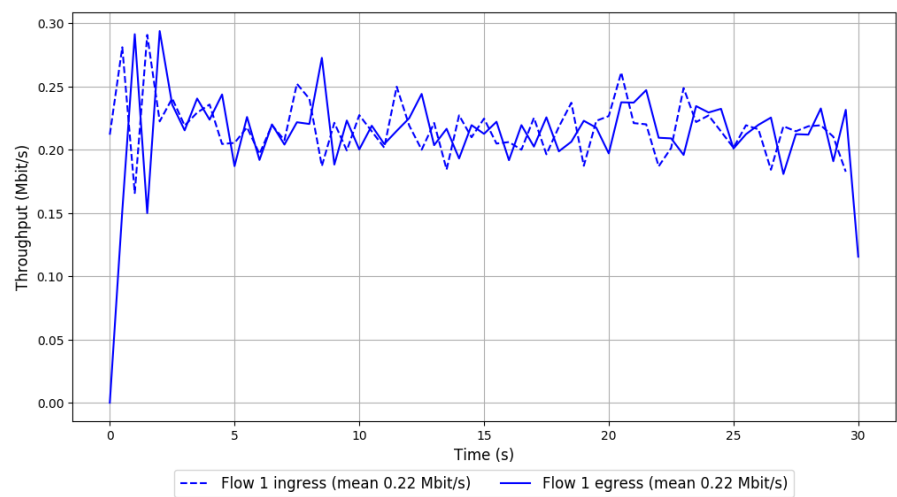
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.824 ms

Loss rate: 0.89%

Run 8: Report of SReAM — Data Link

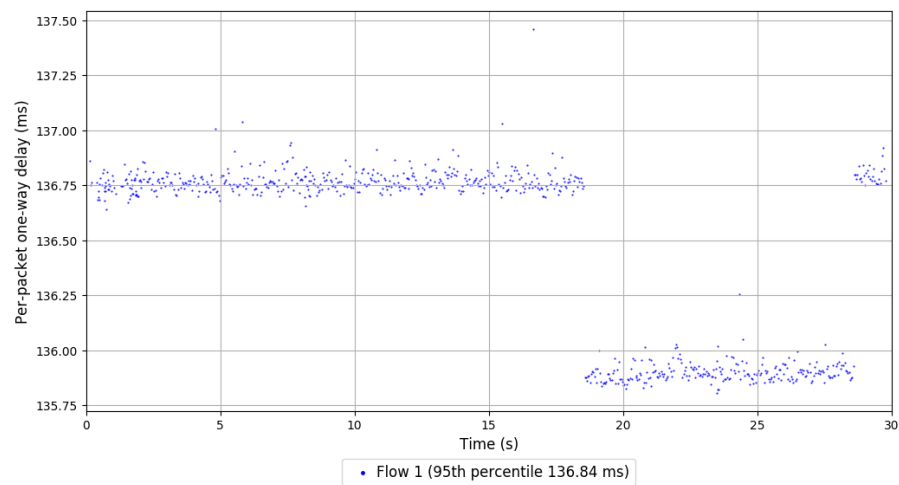
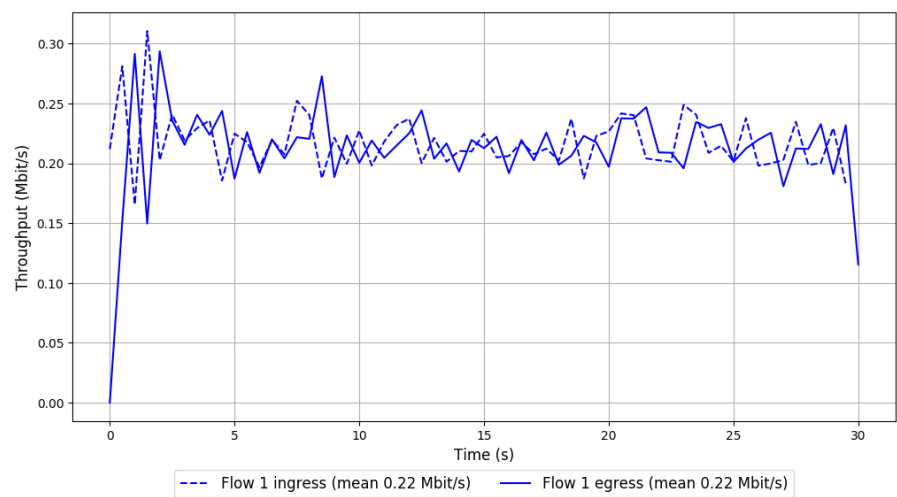


Run 9: Statistics of SCReAM

Start at: 2018-07-19 14:31:59
End at: 2018-07-19 14:32:29
Local clock offset: 0.469 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.89%

Run 9: Report of SReAM — Data Link

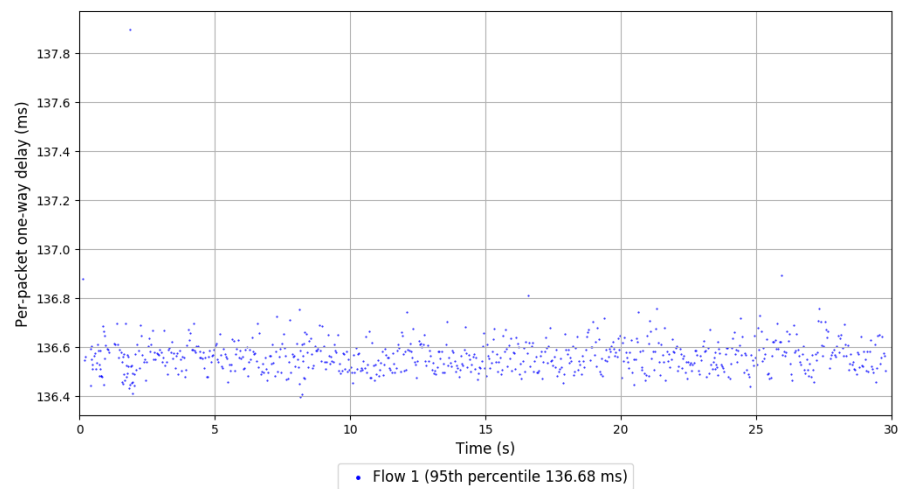
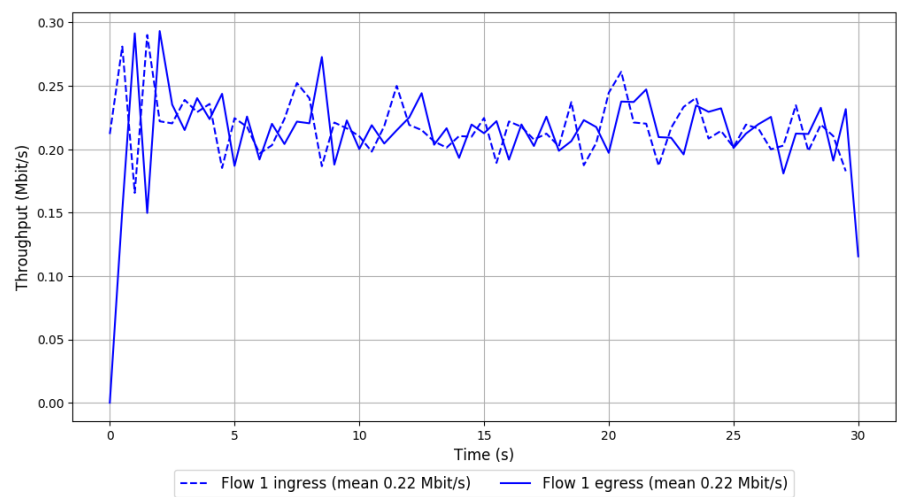


Run 10: Statistics of SReAM

Start at: 2018-07-19 14:54:58
End at: 2018-07-19 14:55:28
Local clock offset: -0.413 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.675 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.675 ms
Loss rate: 0.89%

Run 10: Report of SReAM — Data Link

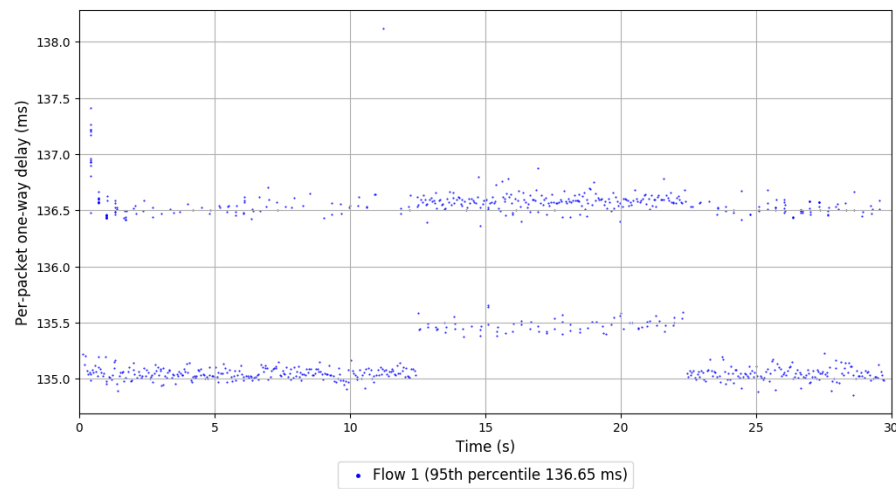
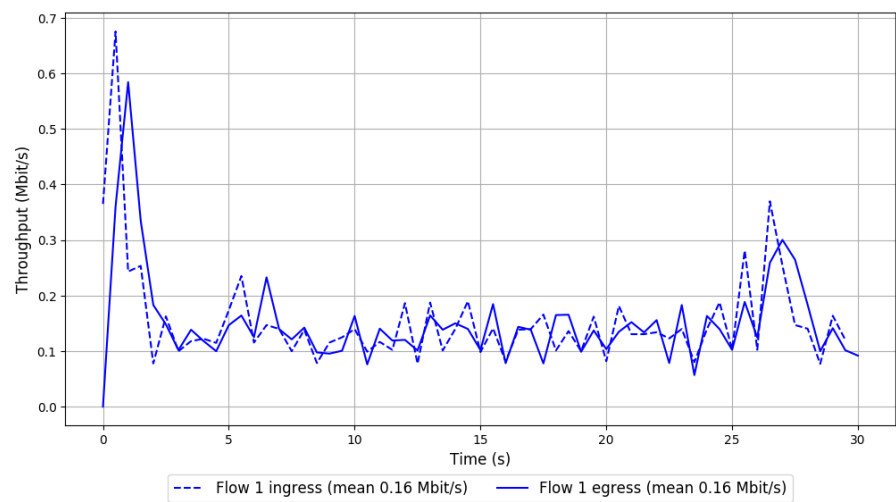


Run 1: Statistics of Sprout

Start at: 2018-07-19 11:45:15
End at: 2018-07-19 11:45:45
Local clock offset: -0.793 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.645 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.645 ms
Loss rate: 1.01%

Run 1: Report of Sprout — Data Link

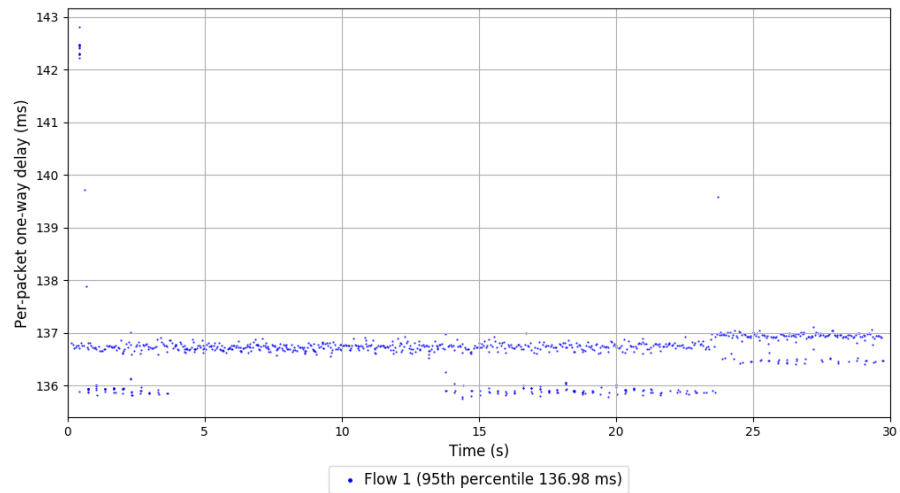
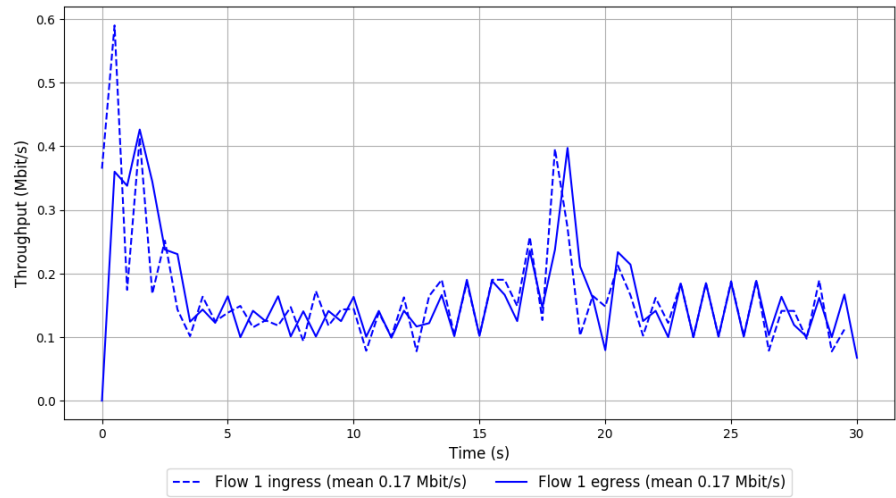


Run 2: Statistics of Sprout

Start at: 2018-07-19 12:07:54
End at: 2018-07-19 12:08:24
Local clock offset: -0.991 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.978 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.978 ms
Loss rate: 0.48%

Run 2: Report of Sprout — Data Link

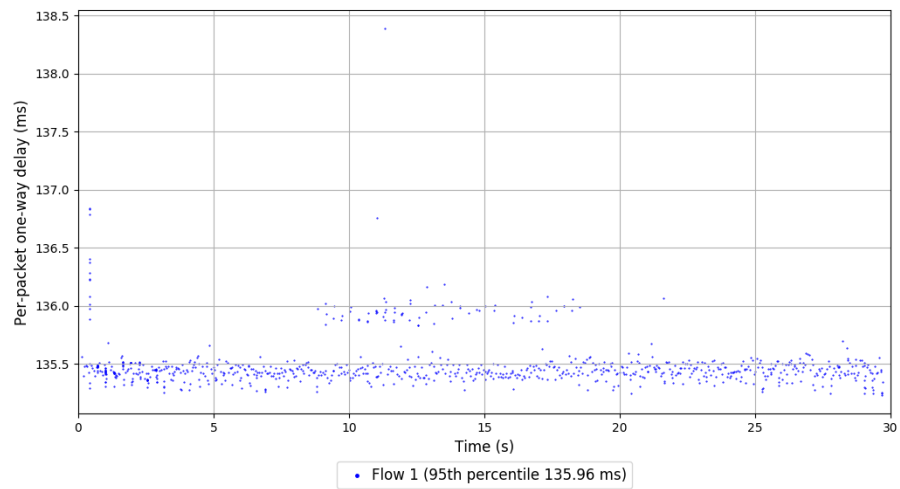
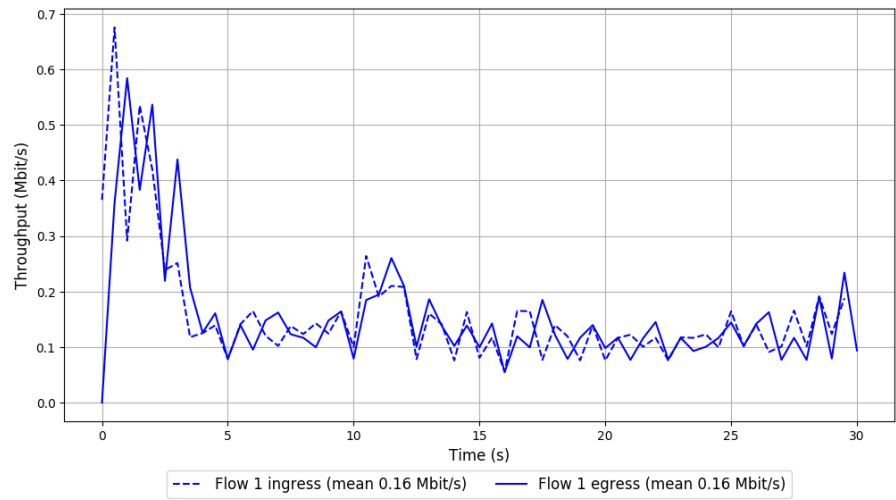


Run 3: Statistics of Sprout

Start at: 2018-07-19 12:30:19
End at: 2018-07-19 12:30:49
Local clock offset: -1.257 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.956 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.956 ms
Loss rate: 1.03%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-19 12:53:20

End at: 2018-07-19 12:53:50

Local clock offset: -0.409 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.345 ms

Loss rate: 0.99%

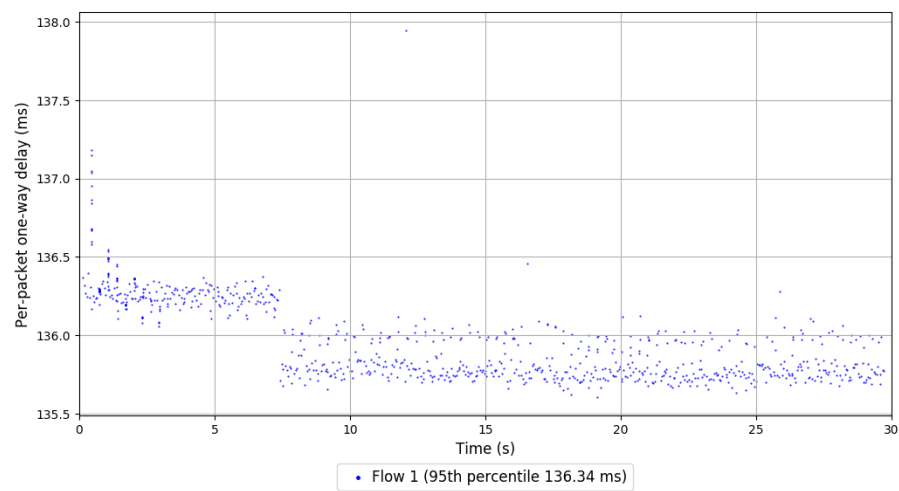
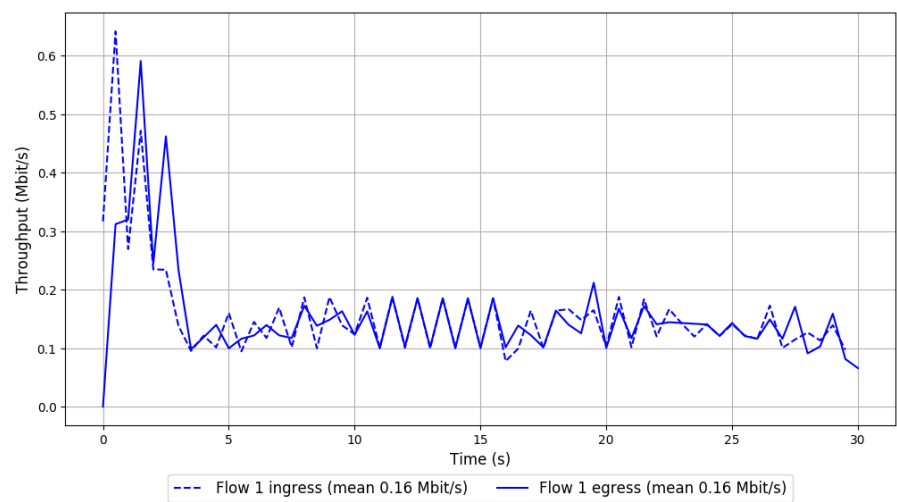
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.345 ms

Loss rate: 0.99%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-19 13:16:29

End at: 2018-07-19 13:16:59

Local clock offset: 0.207 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 137.125 ms

Loss rate: 0.53%

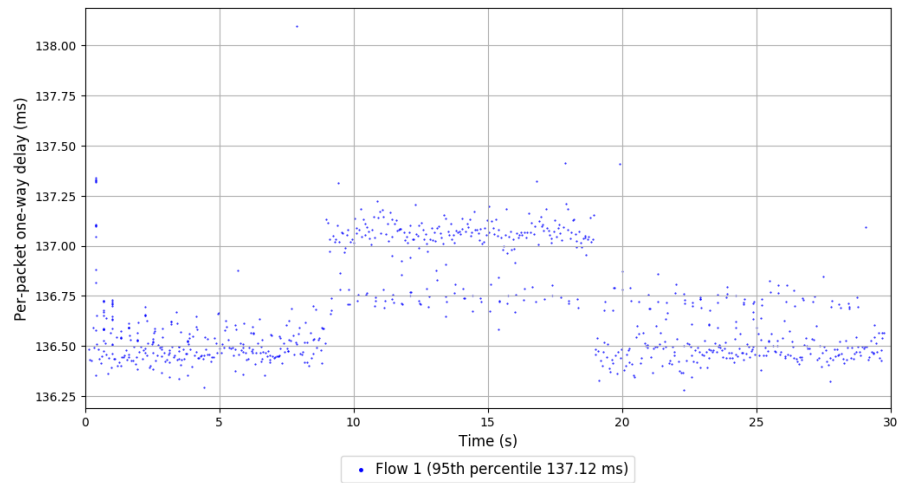
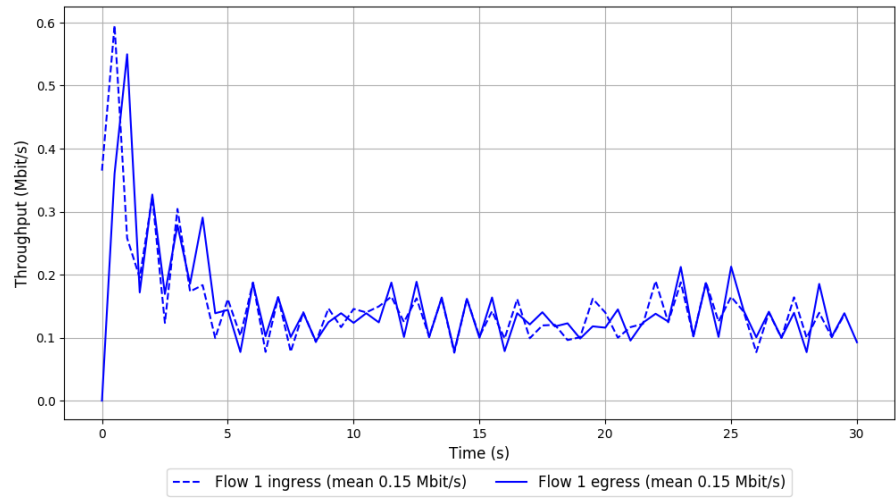
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 137.125 ms

Loss rate: 0.53%

Run 5: Report of Sprout — Data Link

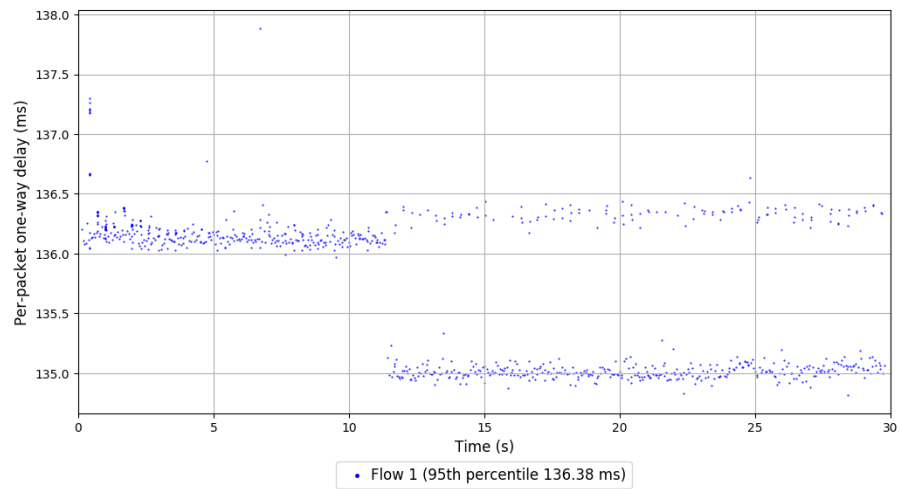
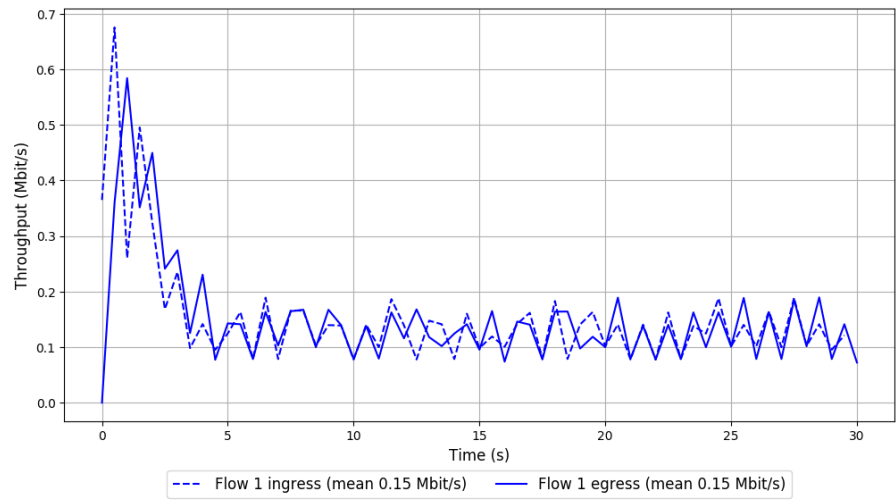


Run 6: Statistics of Sprout

Start at: 2018-07-19 13:39:36
End at: 2018-07-19 13:40:06
Local clock offset: 0.451 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.378 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.378 ms
Loss rate: 0.77%

Run 6: Report of Sprout — Data Link

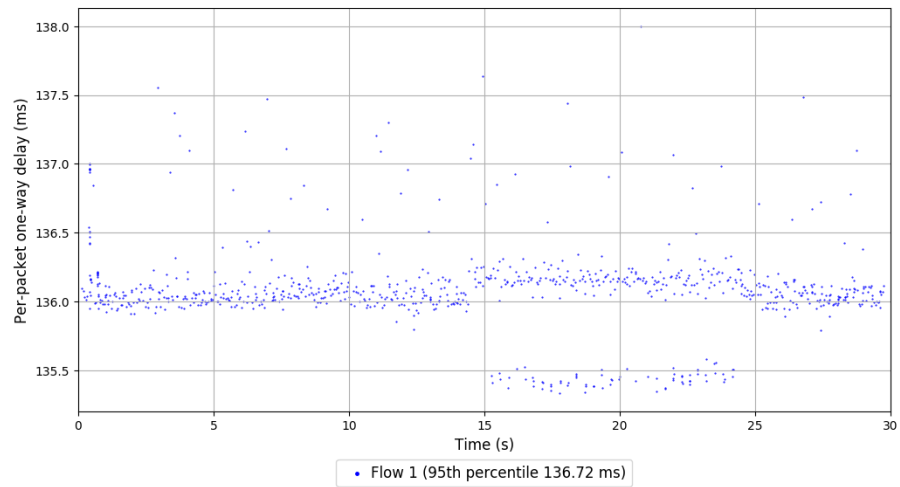
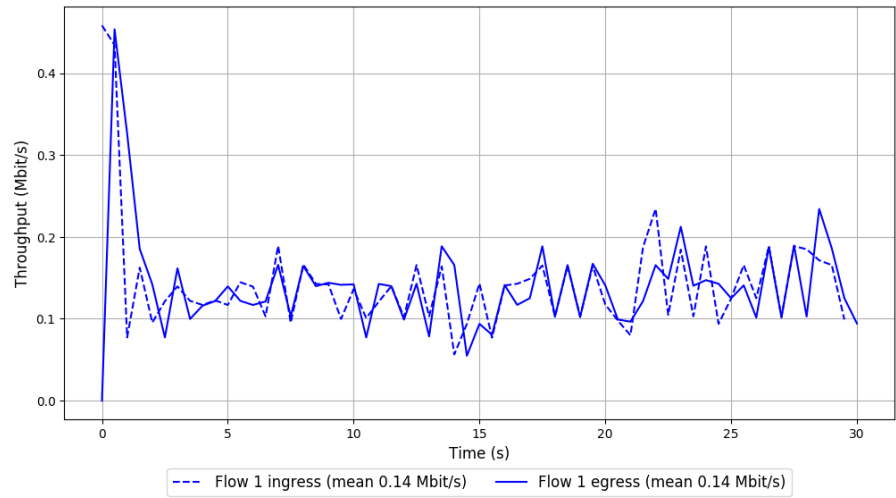


Run 7: Statistics of Sprout

Start at: 2018-07-19 14:02:23
End at: 2018-07-19 14:02:53
Local clock offset: 0.577 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.725 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.725 ms
Loss rate: 0.84%

Run 7: Report of Sprout — Data Link

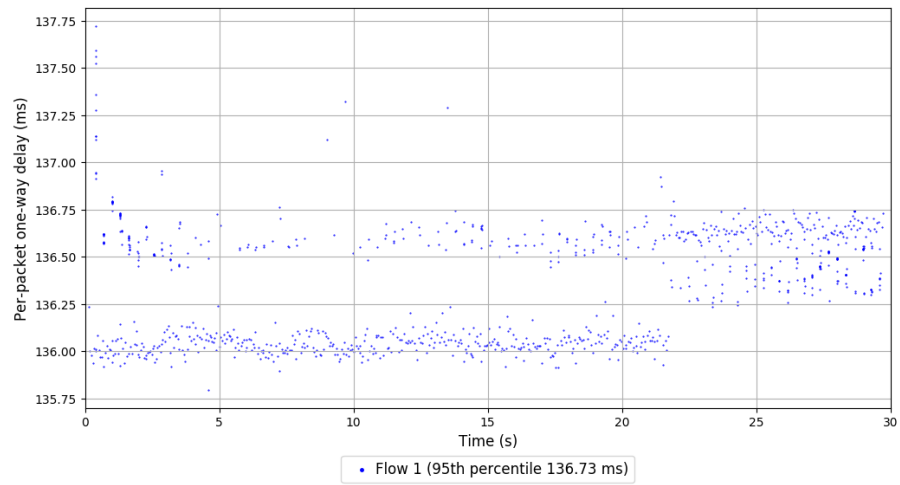
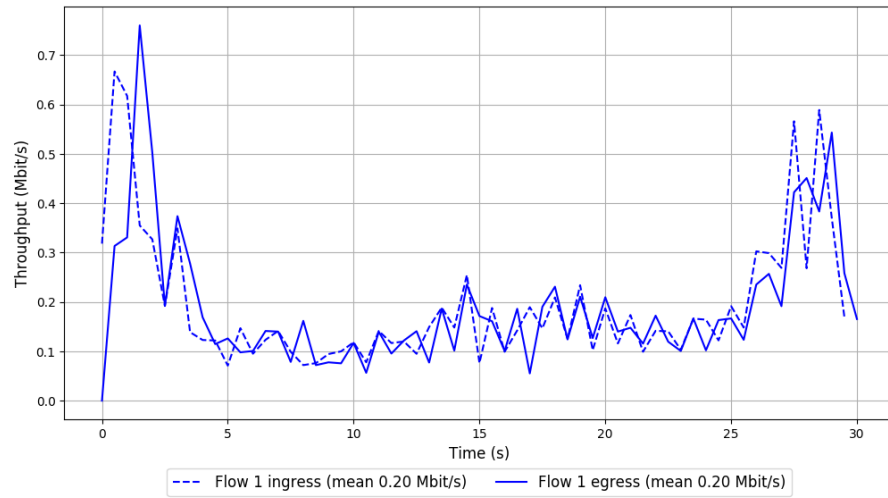


Run 8: Statistics of Sprout

Start at: 2018-07-19 14:24:56
End at: 2018-07-19 14:25:26
Local clock offset: 0.73 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.732 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.732 ms
Loss rate: 1.42%

Run 8: Report of Sprout — Data Link

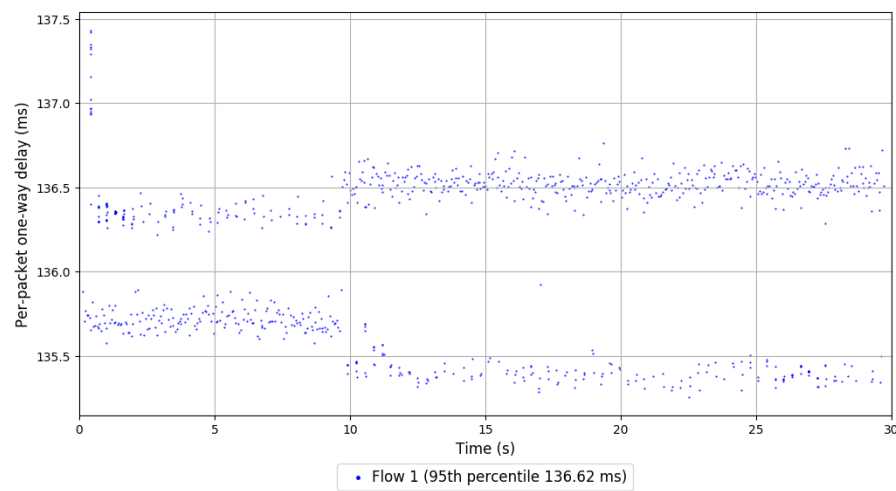
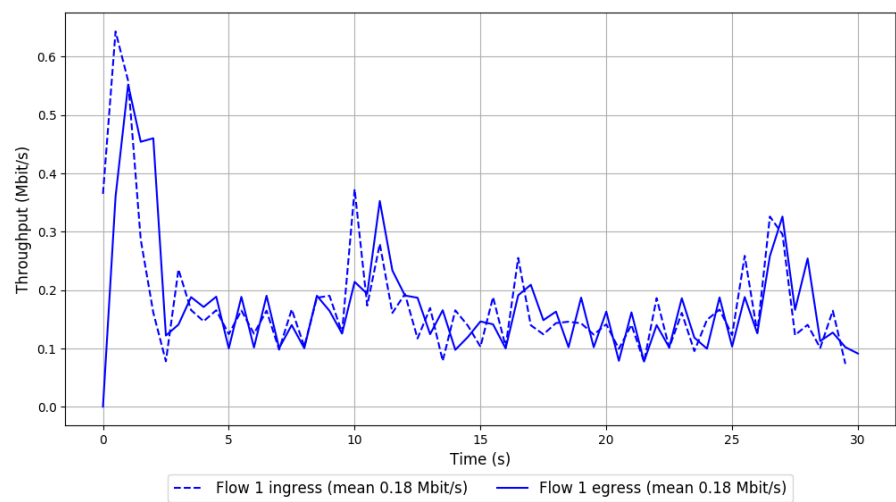


Run 9: Statistics of Sprout

Start at: 2018-07-19 14:47:58
End at: 2018-07-19 14:48:28
Local clock offset: -0.387 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-19 16:45:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.618 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.618 ms
Loss rate: 0.47%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-19 15:10:46

End at: 2018-07-19 15:11:16

Local clock offset: -0.153 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-19 16:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.286 ms

Loss rate: 1.02%

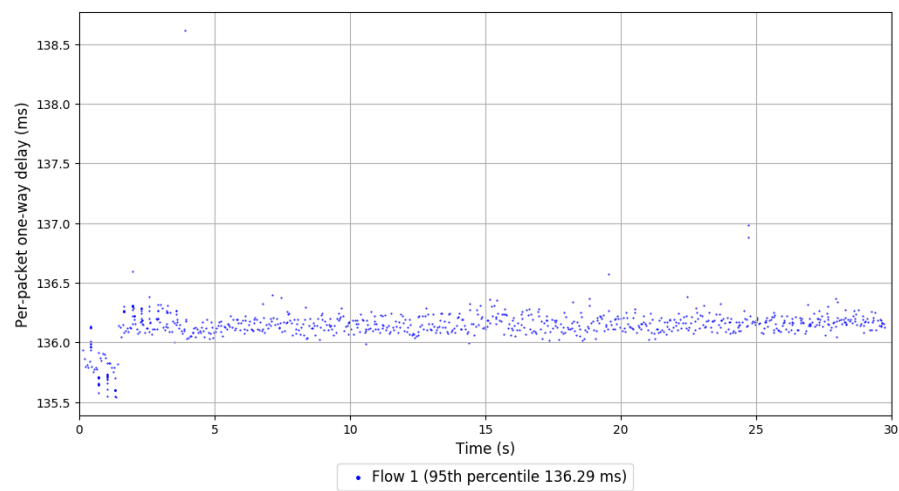
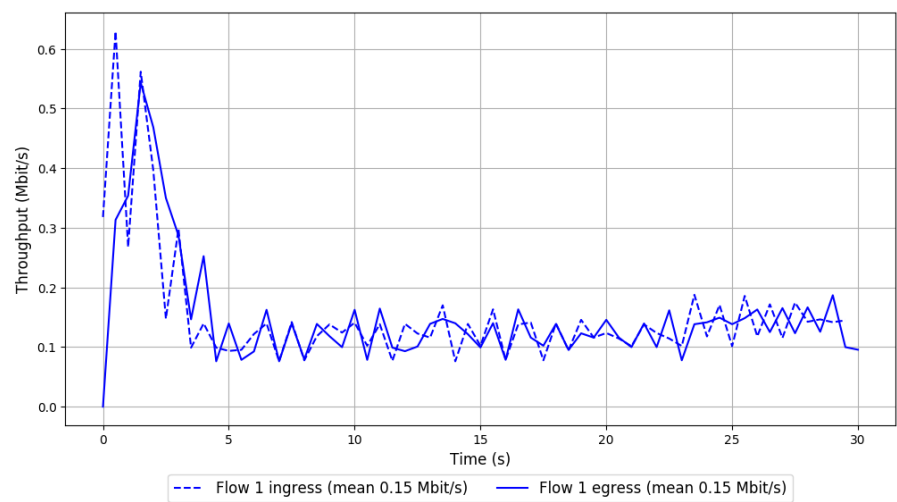
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.286 ms

Loss rate: 1.02%

Run 10: Report of Sprout — Data Link

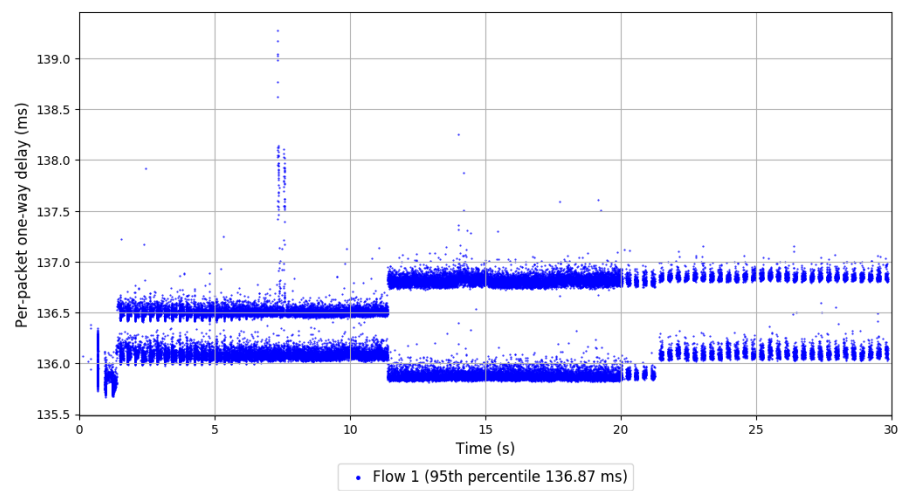
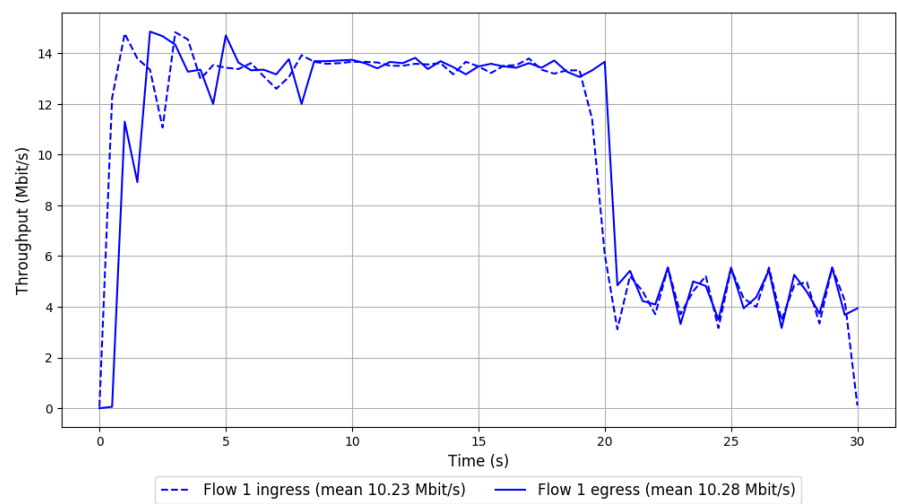


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-19 11:42:36
End at: 2018-07-19 11:43:06
Local clock offset: -0.656 ms
Remote clock offset: -0.426 ms

# Below is generated by plot.py at 2018-07-19 16:45:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 136.865 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 136.865 ms
Loss rate: 0.37%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-19 12:04:58

End at: 2018-07-19 12:05:28

Local clock offset: -0.944 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-07-19 16:46:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.29 Mbit/s

95th percentile per-packet one-way delay: 143.081 ms

Loss rate: 0.98%

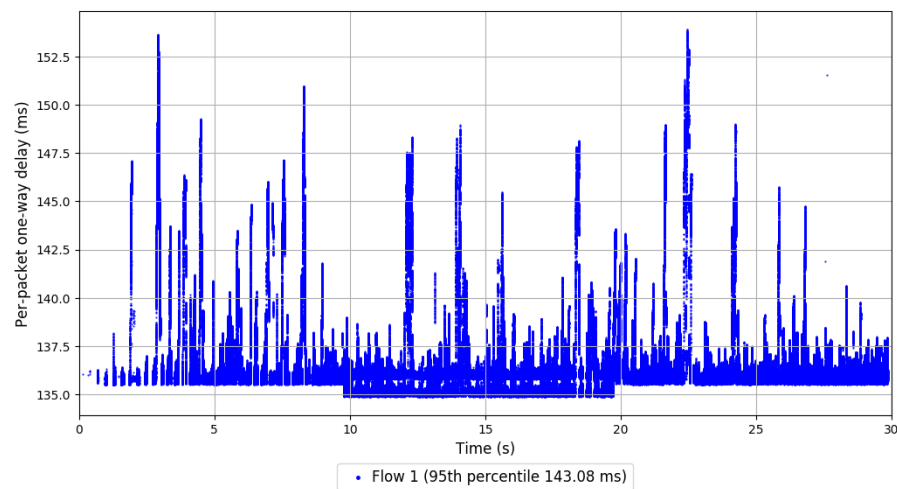
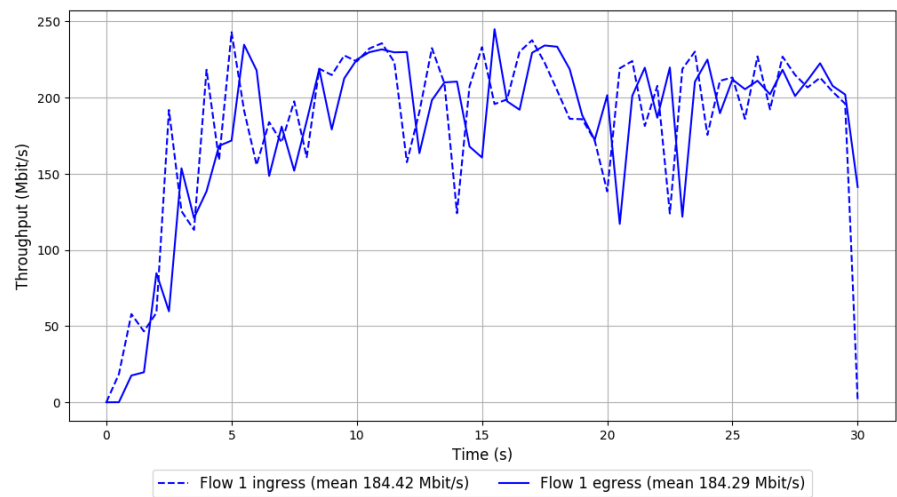
-- Flow 1:

Average throughput: 184.29 Mbit/s

95th percentile per-packet one-way delay: 143.081 ms

Loss rate: 0.98%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-19 12:27:39

End at: 2018-07-19 12:28:09

Local clock offset: -1.187 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-19 16:46:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 135.821 ms

Loss rate: 0.94%

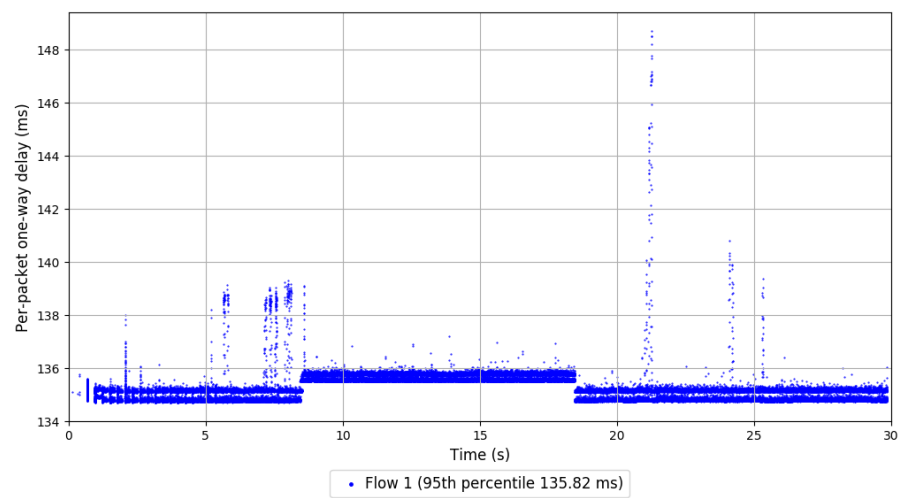
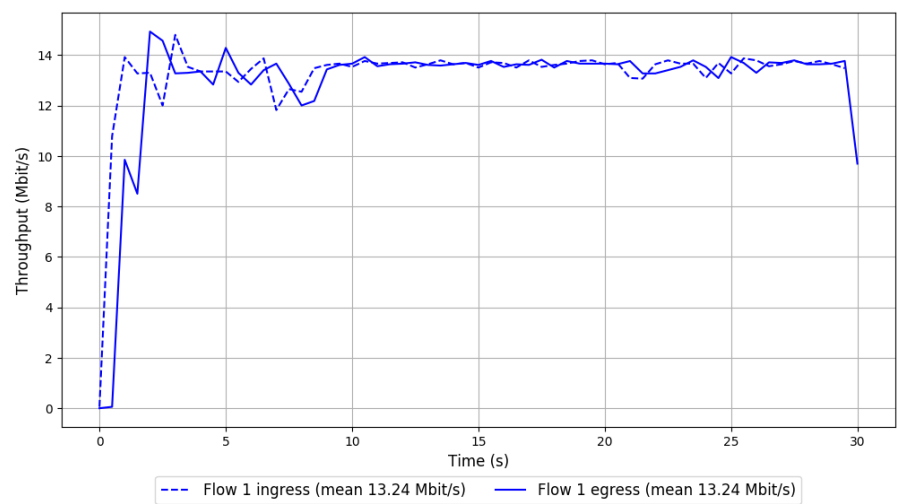
-- Flow 1:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 135.821 ms

Loss rate: 0.94%

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

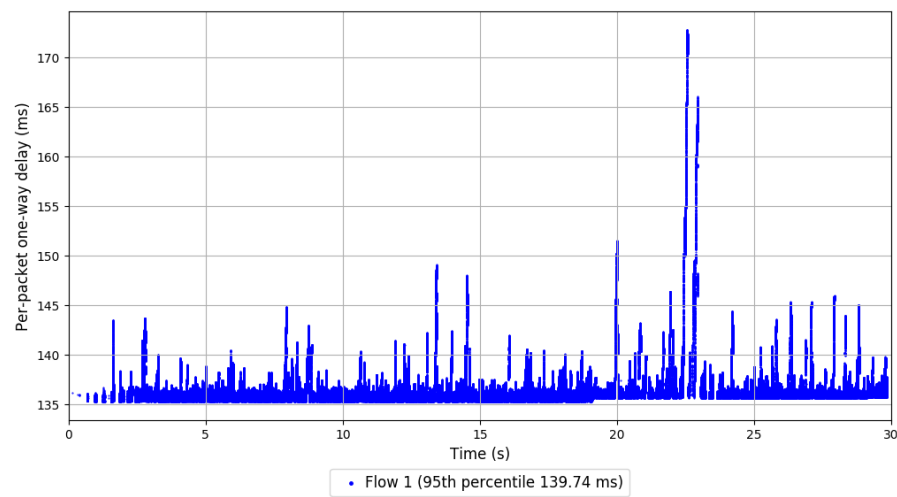
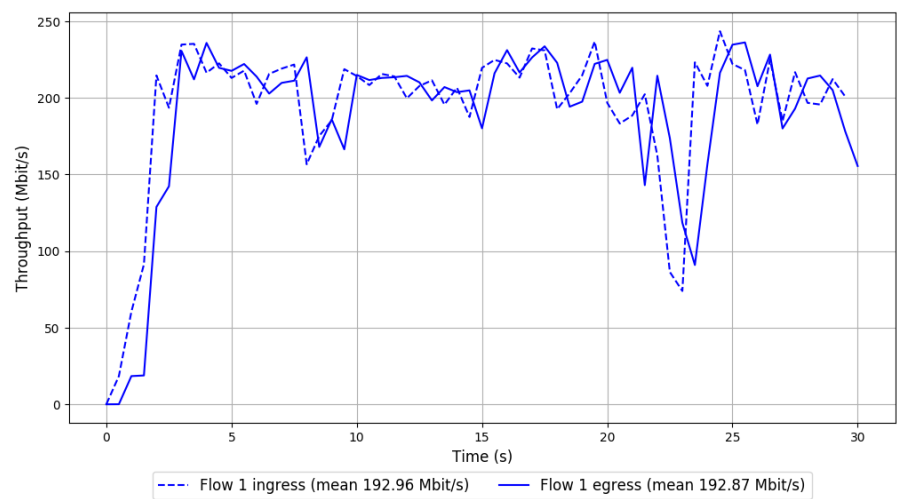


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-19 12:50:19
End at: 2018-07-19 12:50:49
Local clock offset: -0.344 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-19 16:46:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.87 Mbit/s
95th percentile per-packet one-way delay: 139.735 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 192.87 Mbit/s
95th percentile per-packet one-way delay: 139.735 ms
Loss rate: 0.96%

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

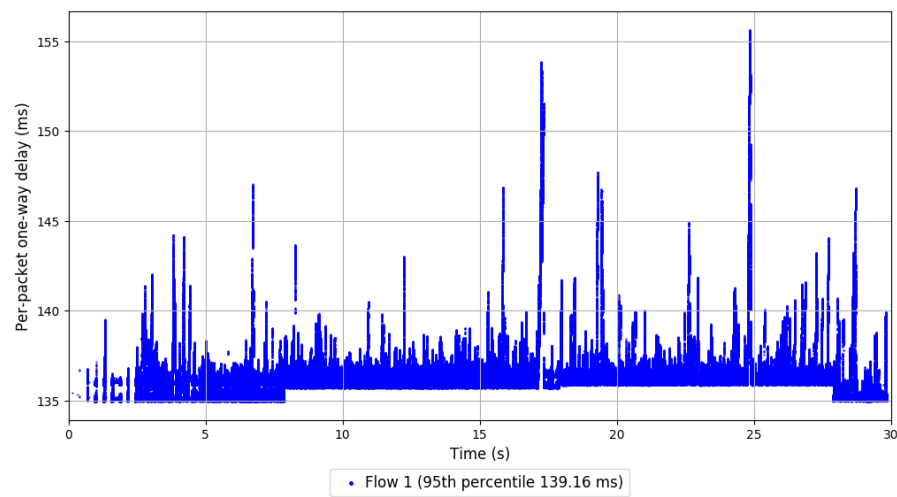
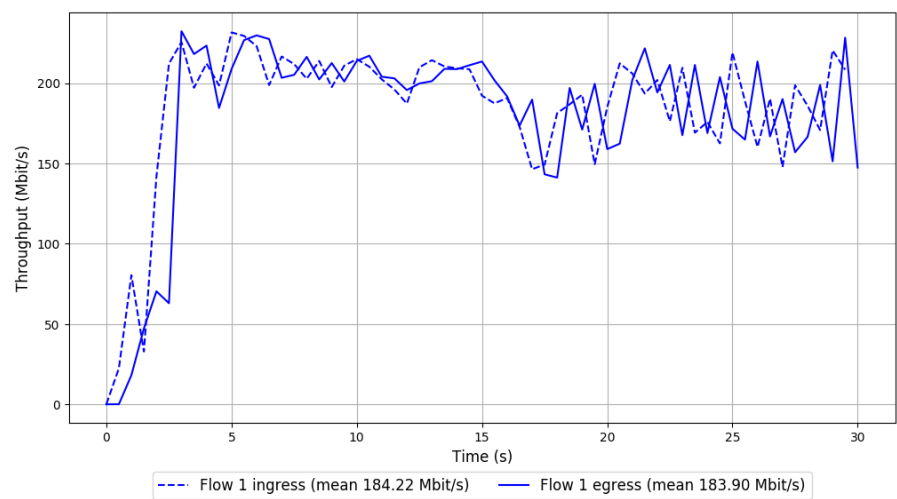


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-19 13:13:30
End at: 2018-07-19 13:14:00
Local clock offset: -0.054 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-19 16:46:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.90 Mbit/s
95th percentile per-packet one-way delay: 139.164 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 183.90 Mbit/s
95th percentile per-packet one-way delay: 139.164 ms
Loss rate: 1.09%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-19 13:36:39

End at: 2018-07-19 13:37:09

Local clock offset: 0.53 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-19 16:46:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.90 Mbit/s

95th percentile per-packet one-way delay: 143.955 ms

Loss rate: 0.61%

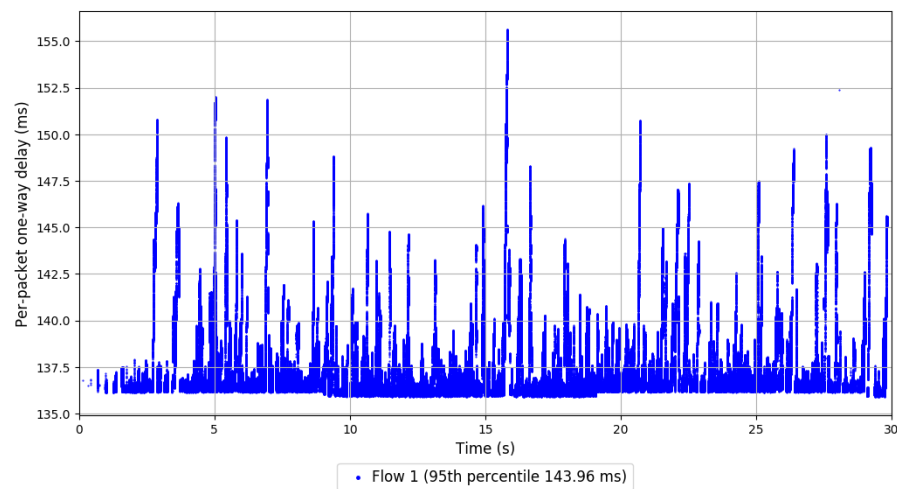
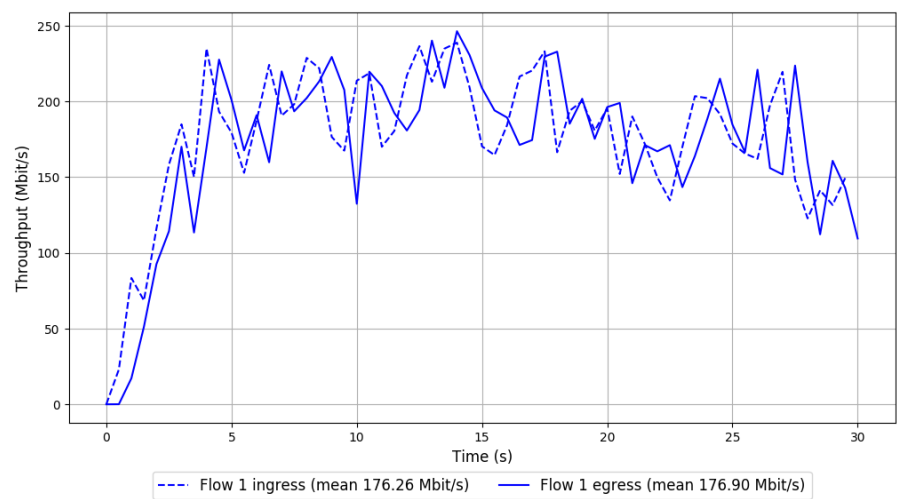
-- Flow 1:

Average throughput: 176.90 Mbit/s

95th percentile per-packet one-way delay: 143.955 ms

Loss rate: 0.61%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-19 13:59:42

End at: 2018-07-19 14:00:12

Local clock offset: 0.675 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-19 16:46:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 136.166 ms

Loss rate: 0.93%

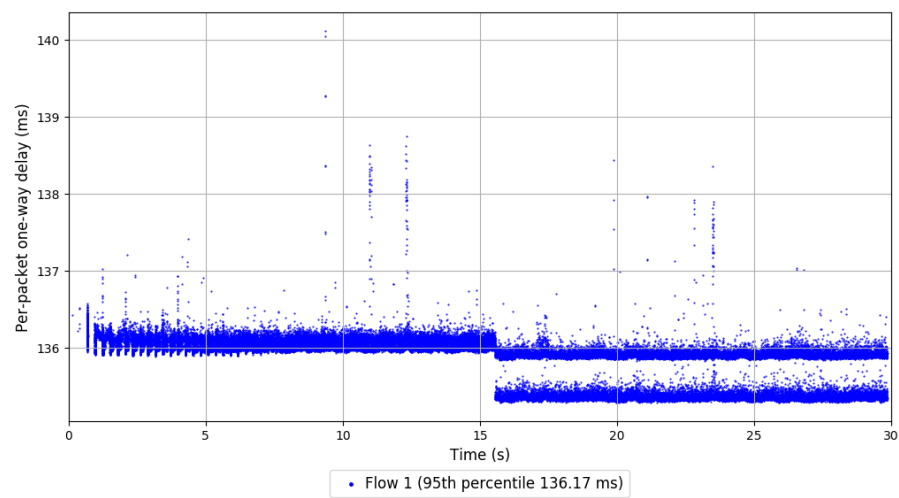
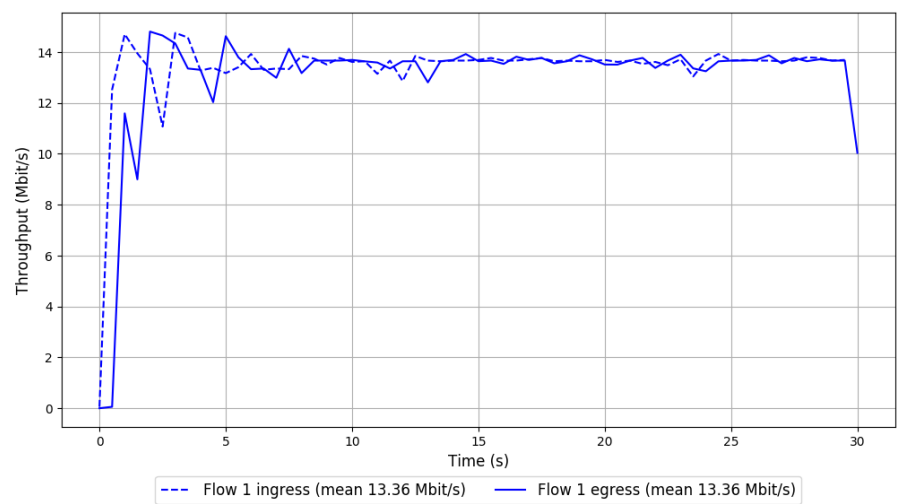
-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 136.166 ms

Loss rate: 0.93%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-19 14:22:15

End at: 2018-07-19 14:22:46

Local clock offset: 0.641 ms

Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-19 16:46:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 136.207 ms

Loss rate: 0.93%

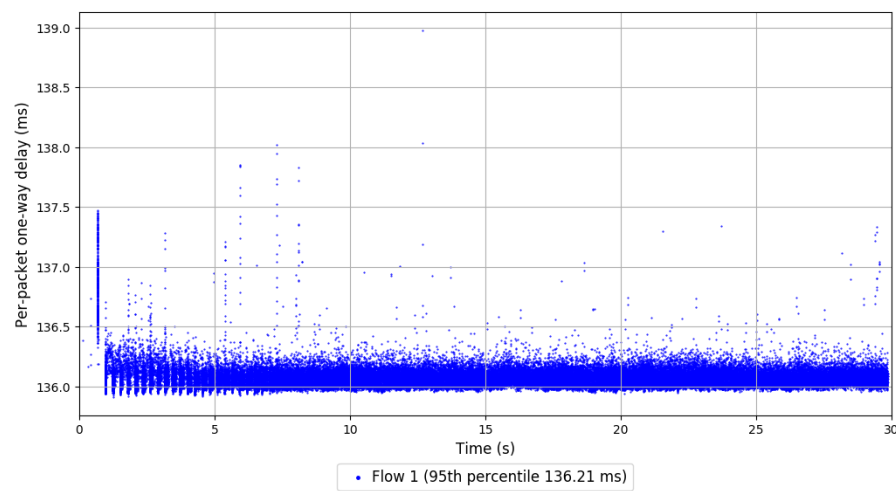
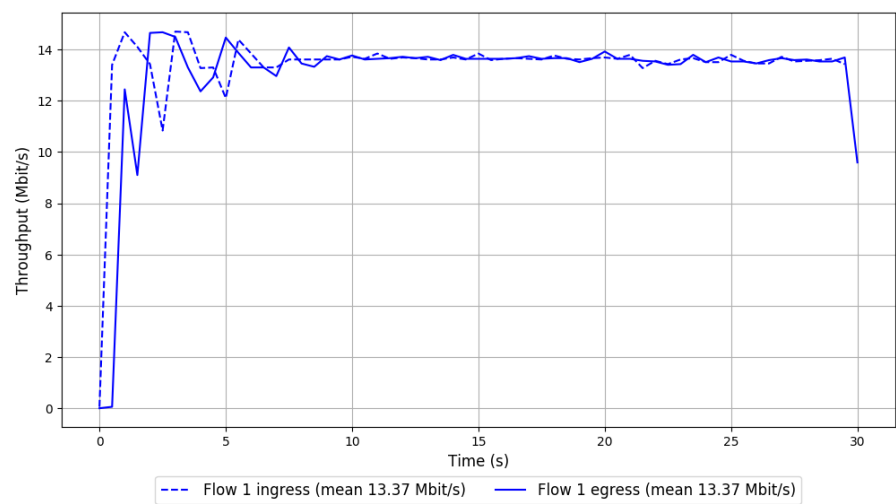
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 136.207 ms

Loss rate: 0.93%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-19 14:45:00

End at: 2018-07-19 14:45:30

Local clock offset: 0.071 ms

Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.54 Mbit/s

95th percentile per-packet one-way delay: 137.749 ms

Loss rate: 1.05%

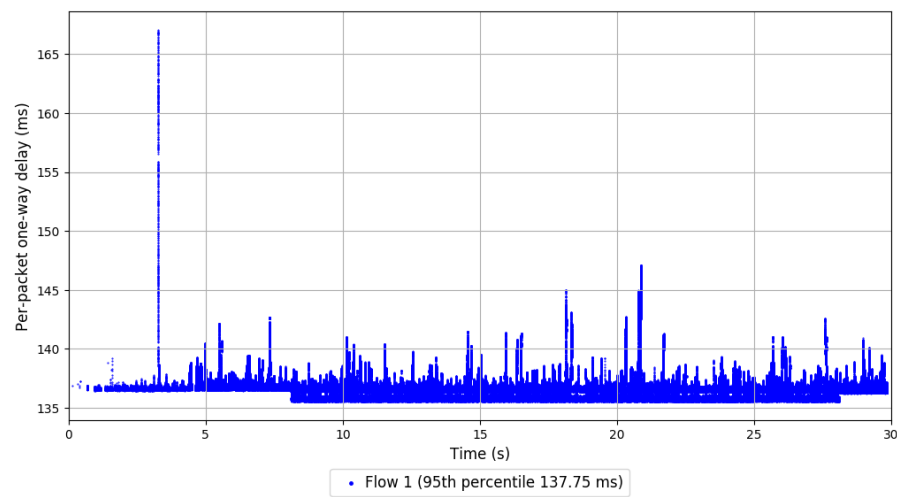
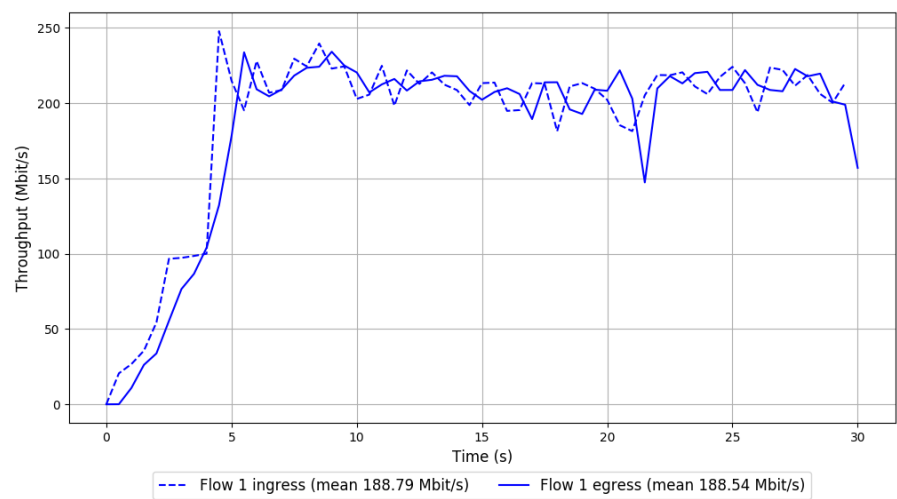
-- Flow 1:

Average throughput: 188.54 Mbit/s

95th percentile per-packet one-way delay: 137.749 ms

Loss rate: 1.05%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-19 15:08:08

End at: 2018-07-19 15:08:38

Local clock offset: -0.044 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 136.193 ms

Loss rate: 0.93%

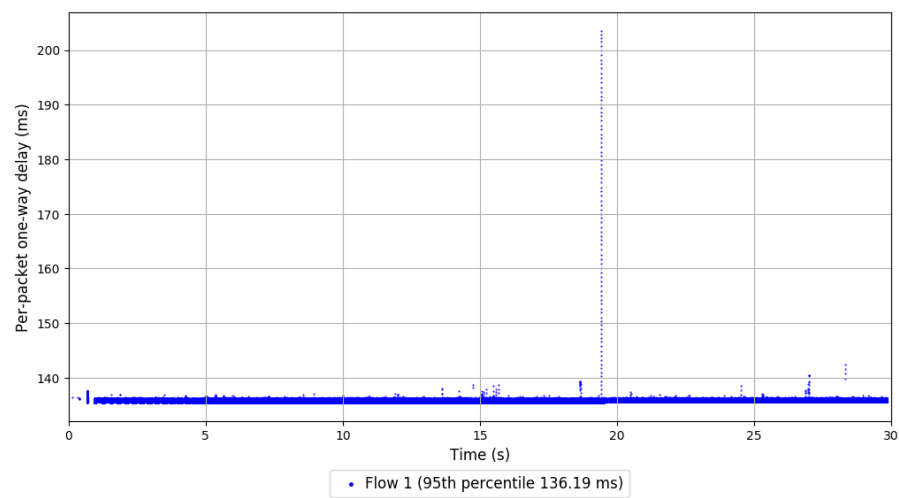
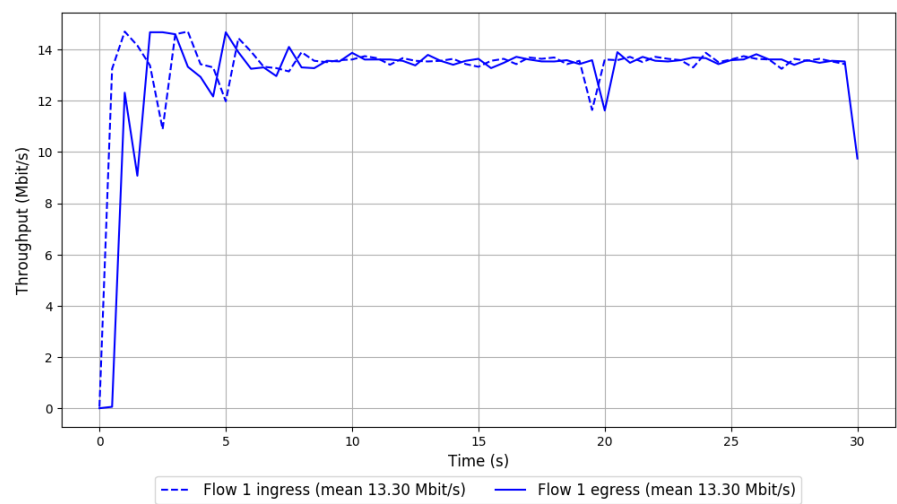
-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 136.193 ms

Loss rate: 0.93%

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

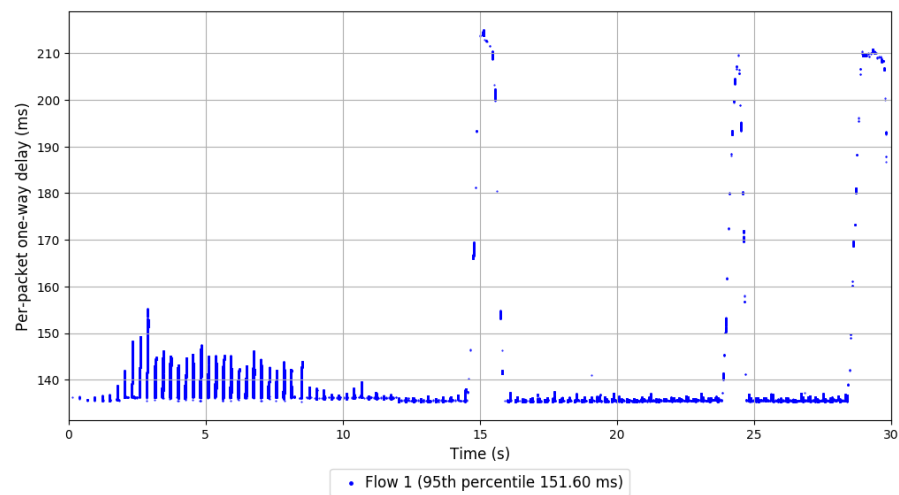
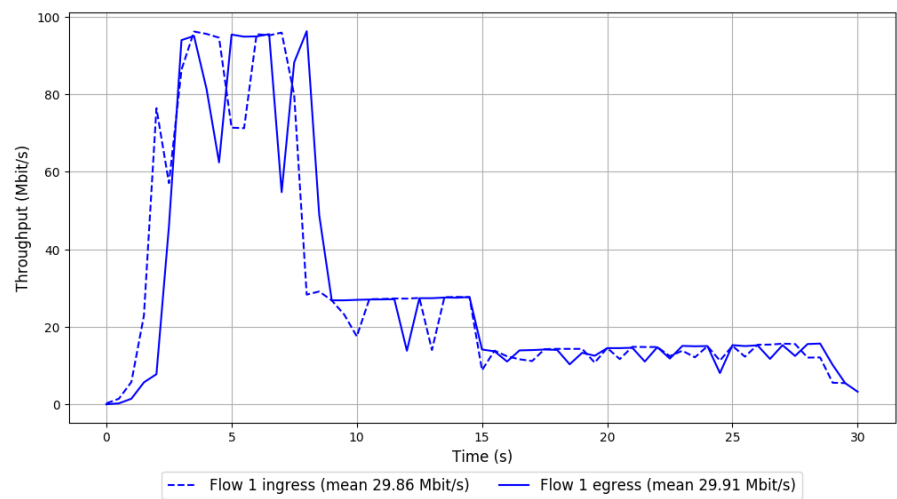


Run 1: Statistics of TCP Vegas

Start at: 2018-07-19 11:36:06
End at: 2018-07-19 11:36:36
Local clock offset: -0.715 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-19 16:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 151.597 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 151.597 ms
Loss rate: 0.72%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-19 11:58:42

End at: 2018-07-19 11:59:12

Local clock offset: -0.784 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 145.839 ms

Loss rate: 0.97%

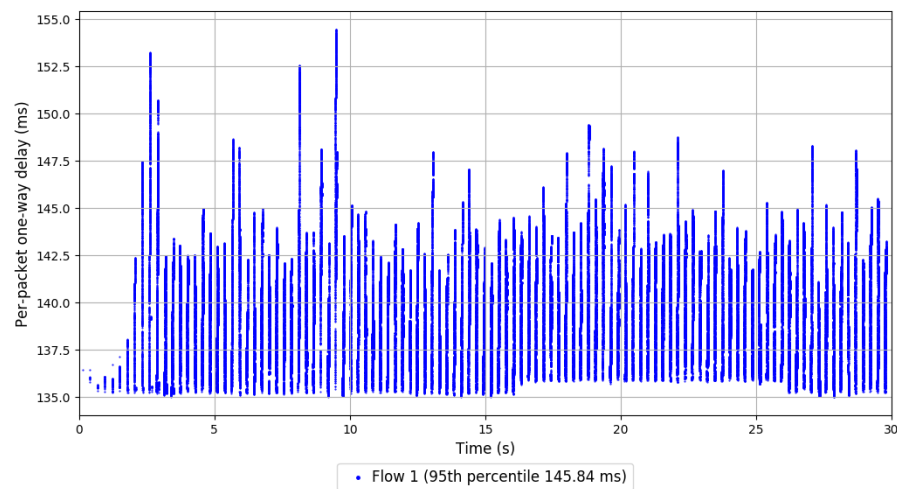
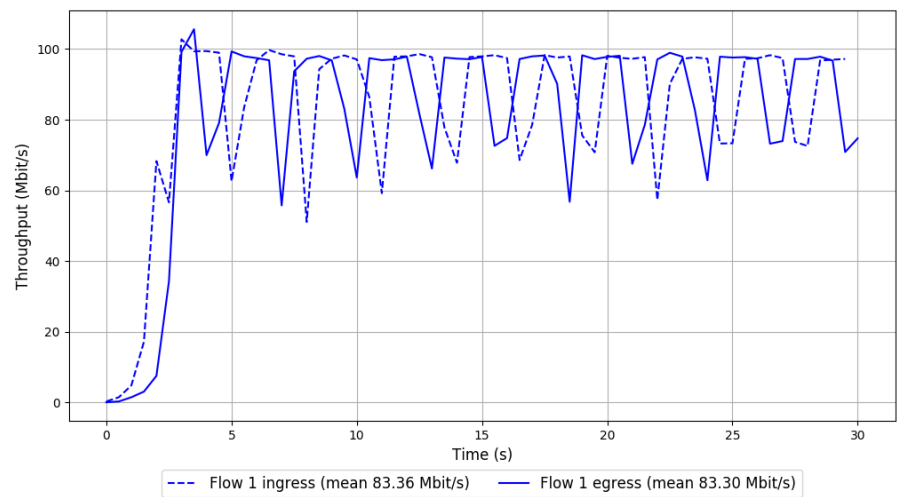
-- Flow 1:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 145.839 ms

Loss rate: 0.97%

Run 2: Report of TCP Vegas — Data Link

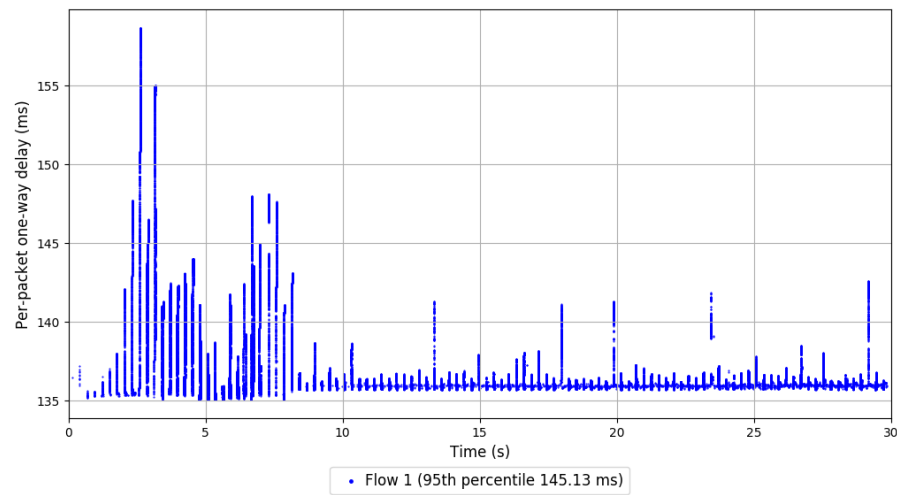
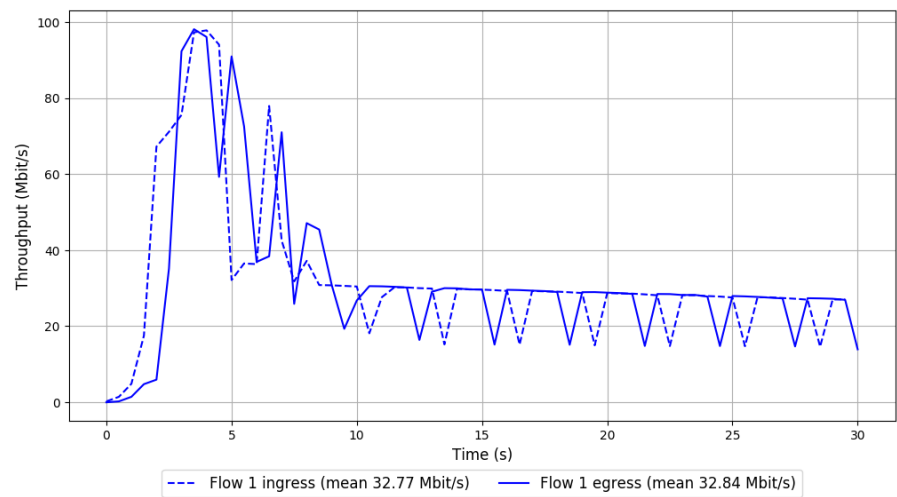


Run 3: Statistics of TCP Vegas

Start at: 2018-07-19 12:21:10
End at: 2018-07-19 12:21:40
Local clock offset: -1.138 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-19 16:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 145.126 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 145.126 ms
Loss rate: 0.69%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-19 12:43:47

End at: 2018-07-19 12:44:17

Local clock offset: -0.715 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.18 Mbit/s

95th percentile per-packet one-way delay: 151.500 ms

Loss rate: 1.00%

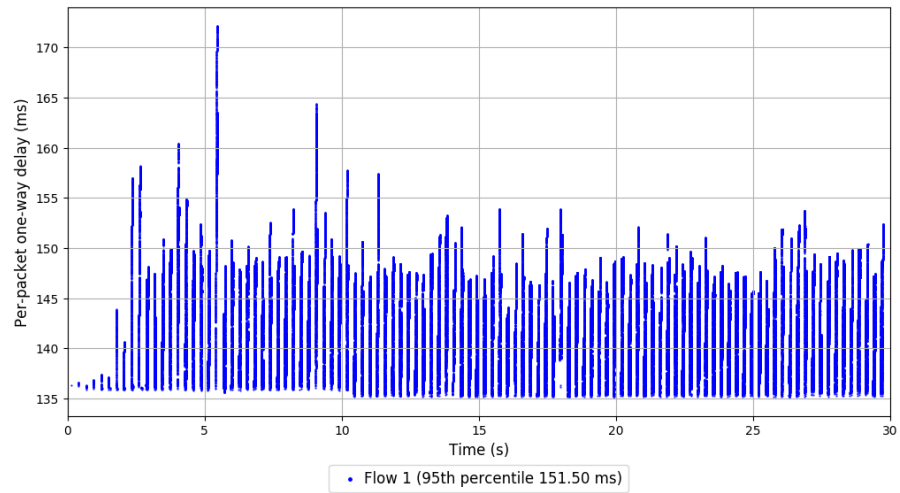
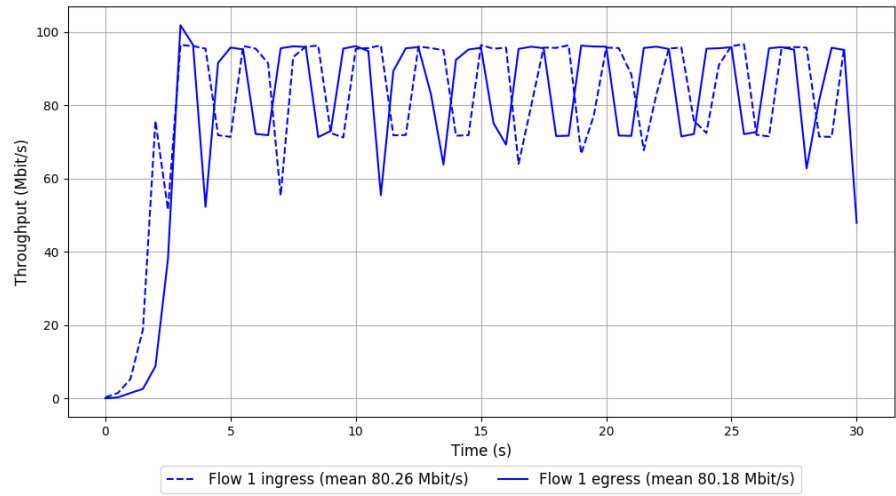
-- Flow 1:

Average throughput: 80.18 Mbit/s

95th percentile per-packet one-way delay: 151.500 ms

Loss rate: 1.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-19 13:07:06

End at: 2018-07-19 13:07:36

Local clock offset: 0.084 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 139.191 ms

Loss rate: 0.97%

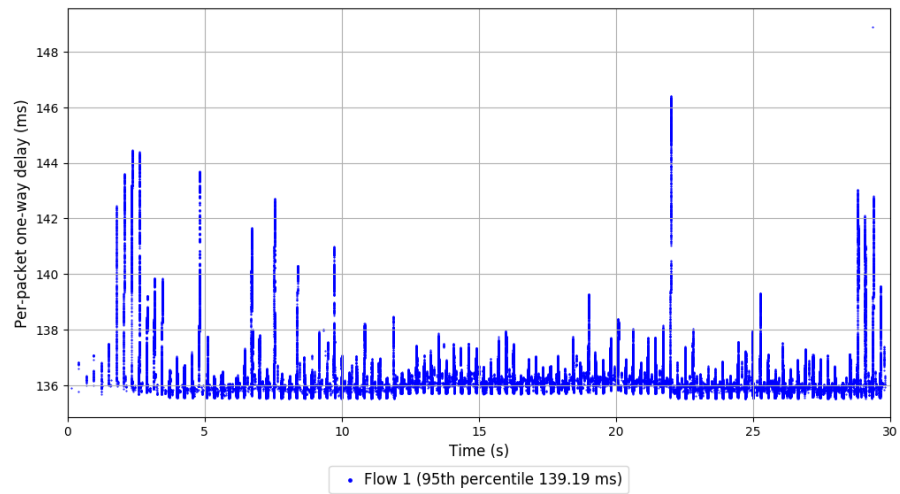
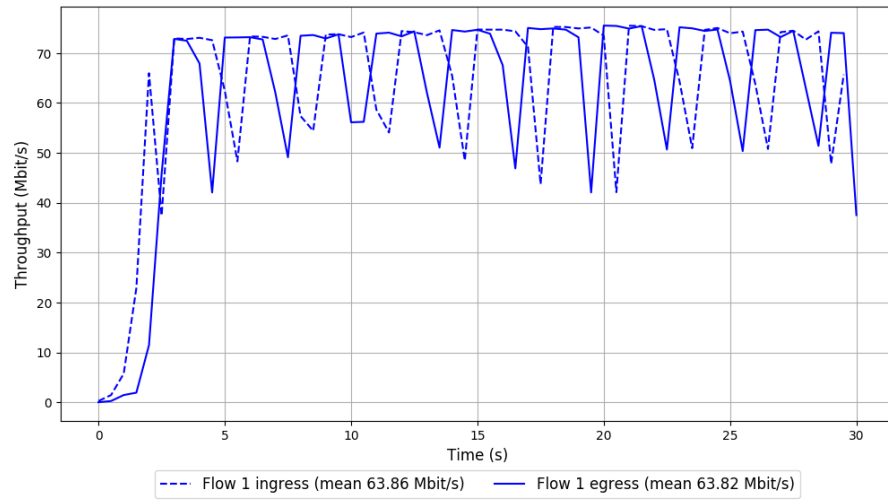
-- Flow 1:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 139.191 ms

Loss rate: 0.97%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-19 13:30:03

End at: 2018-07-19 13:30:33

Local clock offset: 0.241 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 139.034 ms

Loss rate: 1.00%

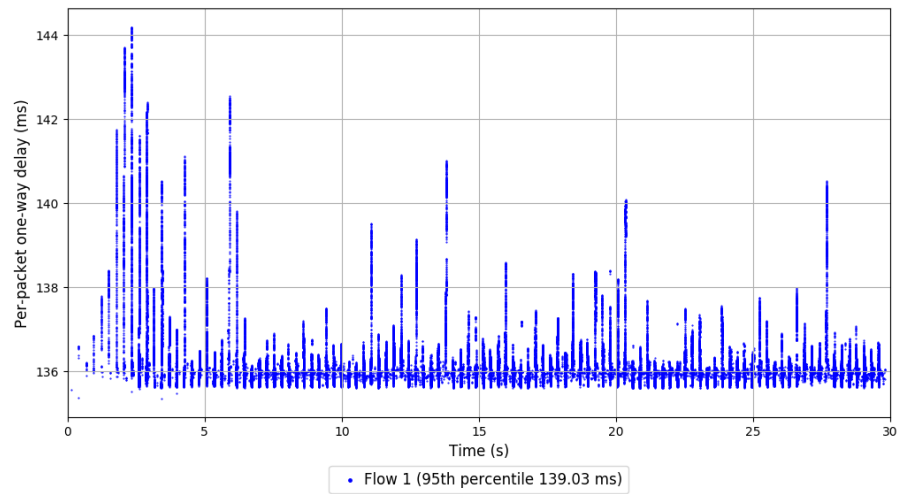
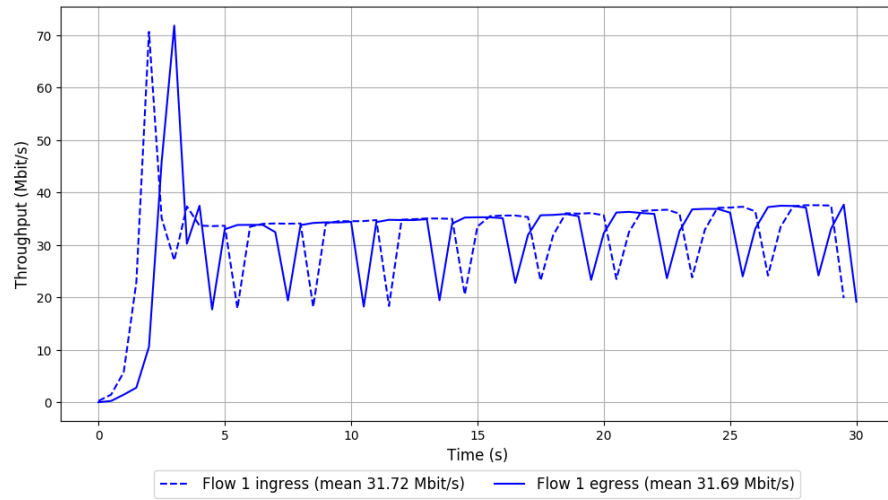
-- Flow 1:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 139.034 ms

Loss rate: 1.00%

Run 6: Report of TCP Vegas — Data Link

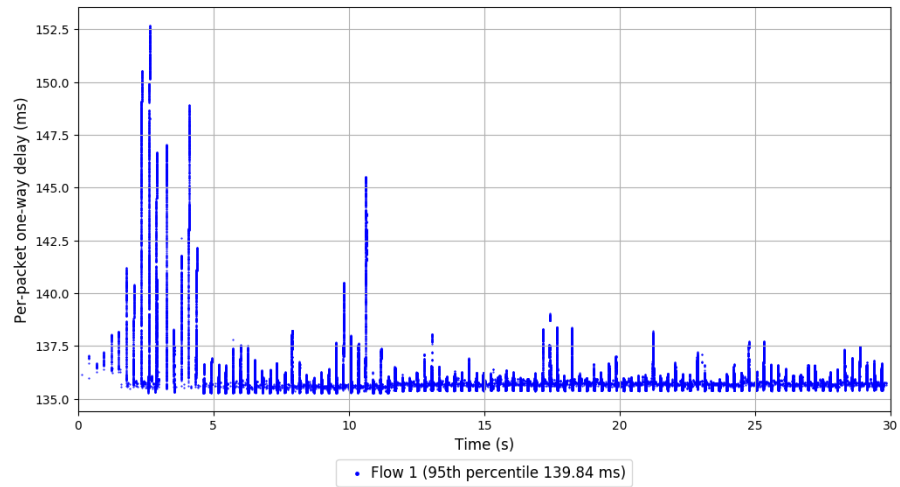
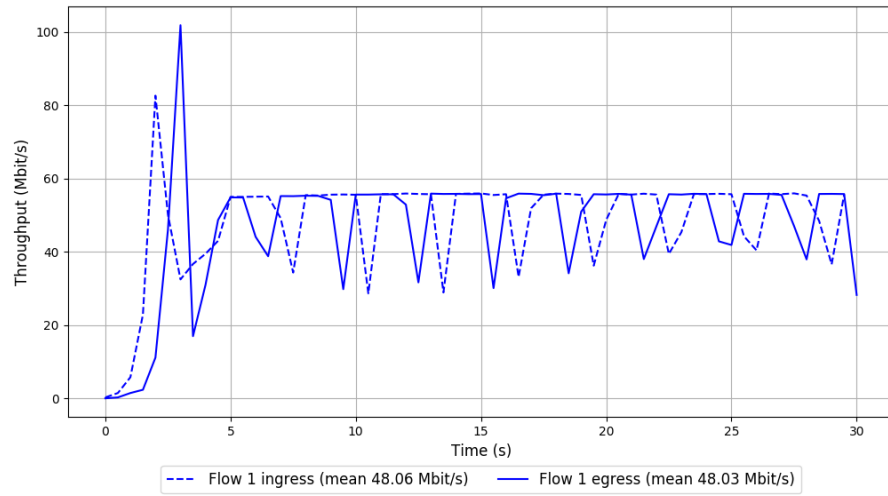


Run 7: Statistics of TCP Vegas

Start at: 2018-07-19 13:53:06
End at: 2018-07-19 13:53:36
Local clock offset: 0.715 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-19 16:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 139.835 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 139.835 ms
Loss rate: 0.97%

Run 7: Report of TCP Vegas — Data Link

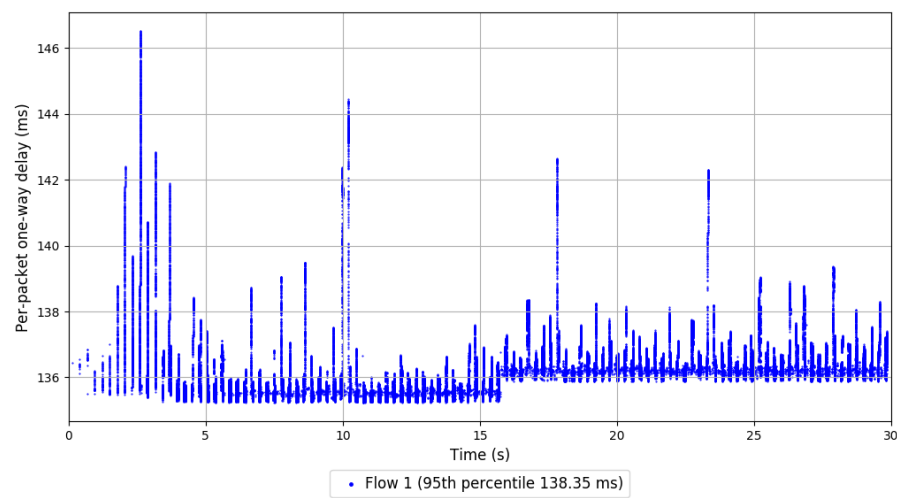
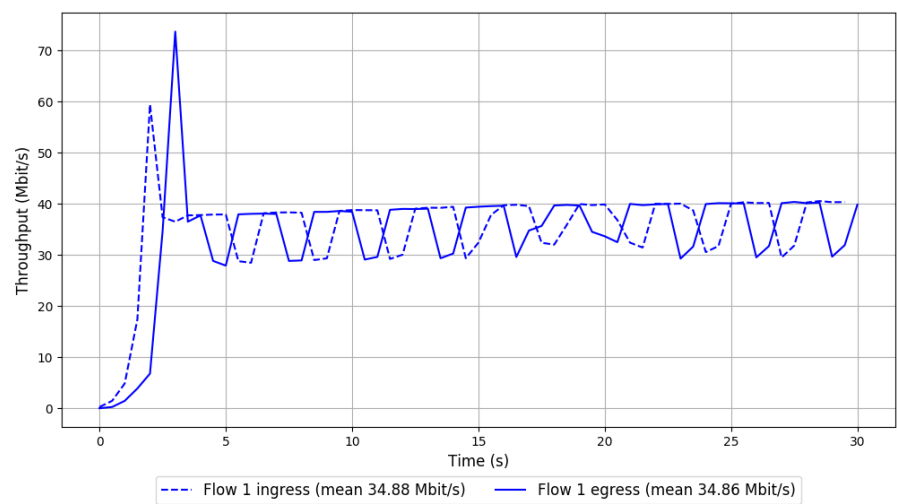


Run 8: Statistics of TCP Vegas

Start at: 2018-07-19 14:15:52
End at: 2018-07-19 14:16:22
Local clock offset: 0.774 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-19 16:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 138.354 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 138.354 ms
Loss rate: 0.97%

Run 8: Report of TCP Vegas — Data Link

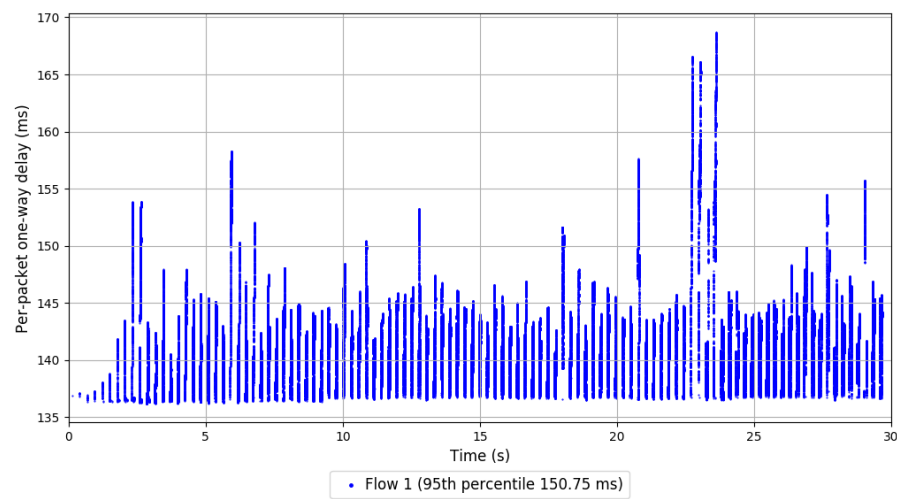
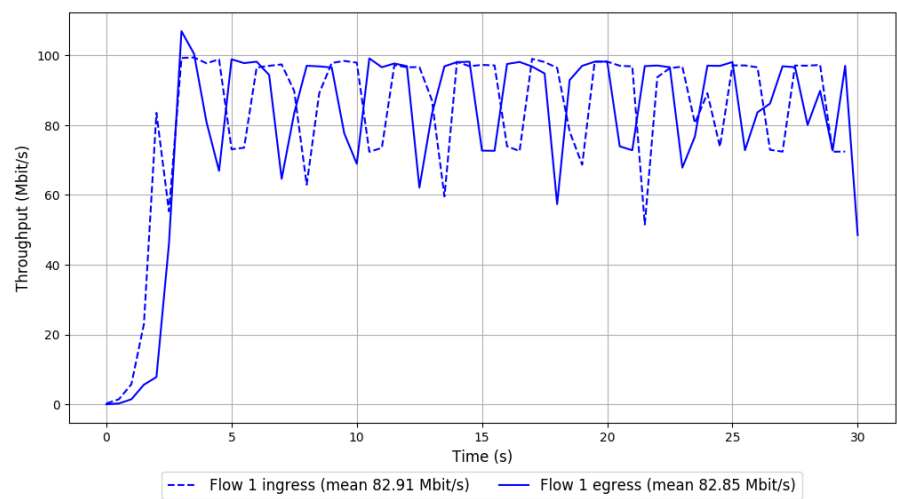


Run 9: Statistics of TCP Vegas

Start at: 2018-07-19 14:38:38
End at: 2018-07-19 14:39:08
Local clock offset: 0.122 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-19 16:48:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 150.753 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 150.753 ms
Loss rate: 0.97%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-19 15:01:42

End at: 2018-07-19 15:02:12

Local clock offset: -0.153 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-19 16:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.85 Mbit/s

95th percentile per-packet one-way delay: 139.020 ms

Loss rate: 0.98%

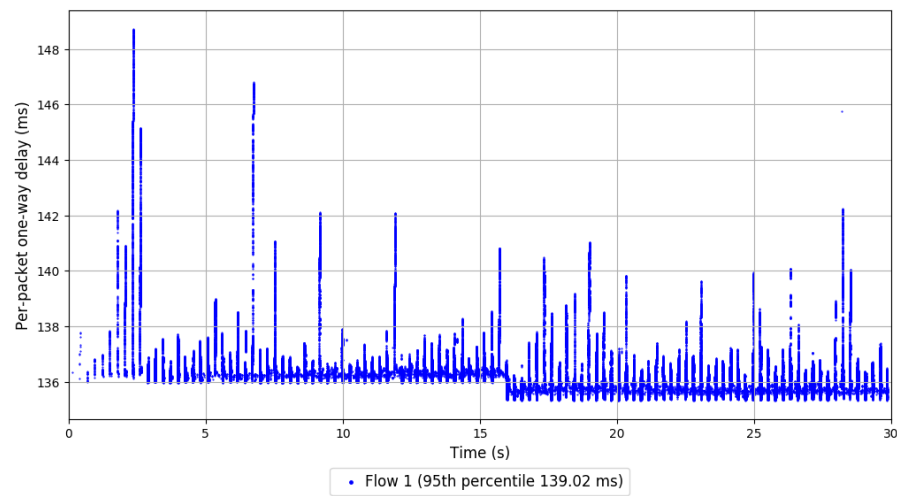
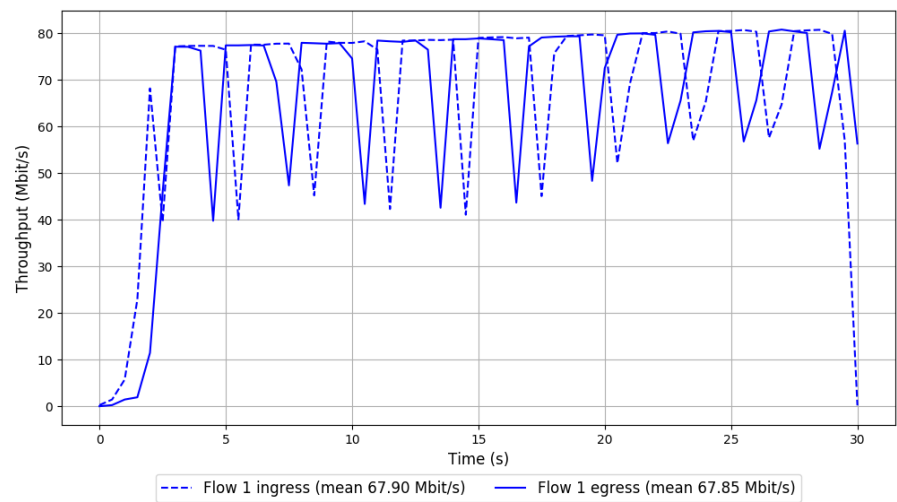
-- Flow 1:

Average throughput: 67.85 Mbit/s

95th percentile per-packet one-way delay: 139.020 ms

Loss rate: 0.98%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-19 11:47:32

End at: 2018-07-19 11:48:02

Local clock offset: -0.641 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-19 16:49:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.31 Mbit/s

95th percentile per-packet one-way delay: 217.893 ms

Loss rate: 1.93%

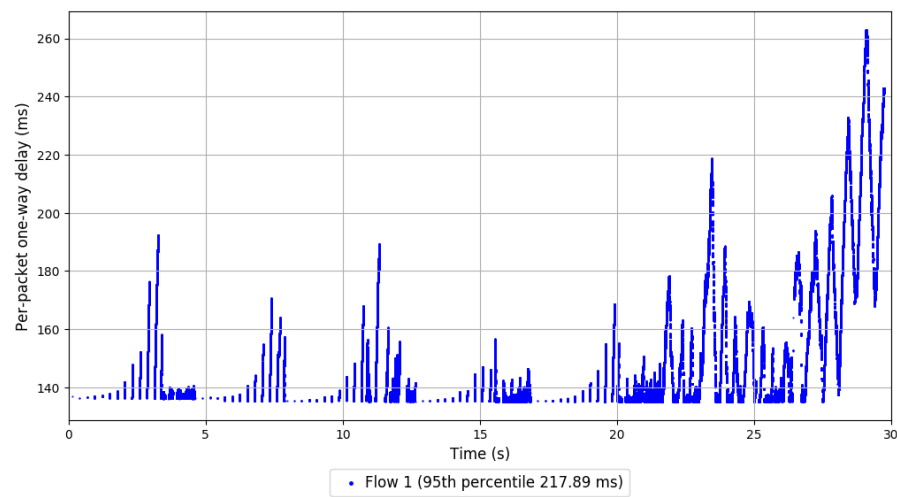
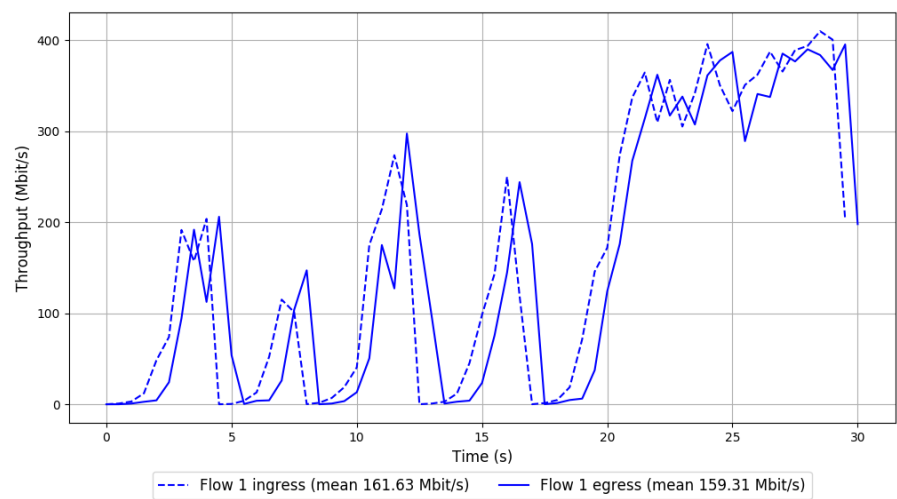
-- Flow 1:

Average throughput: 159.31 Mbit/s

95th percentile per-packet one-way delay: 217.893 ms

Loss rate: 1.93%

Run 1: Report of Verus — Data Link

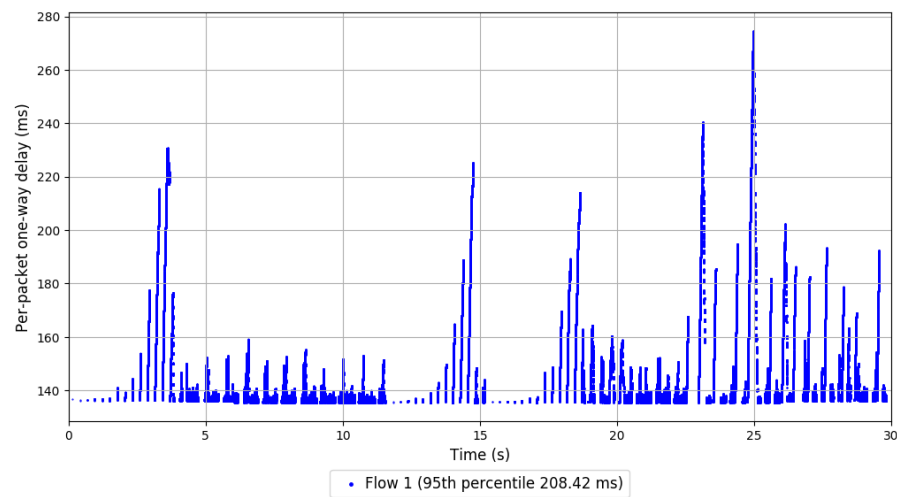
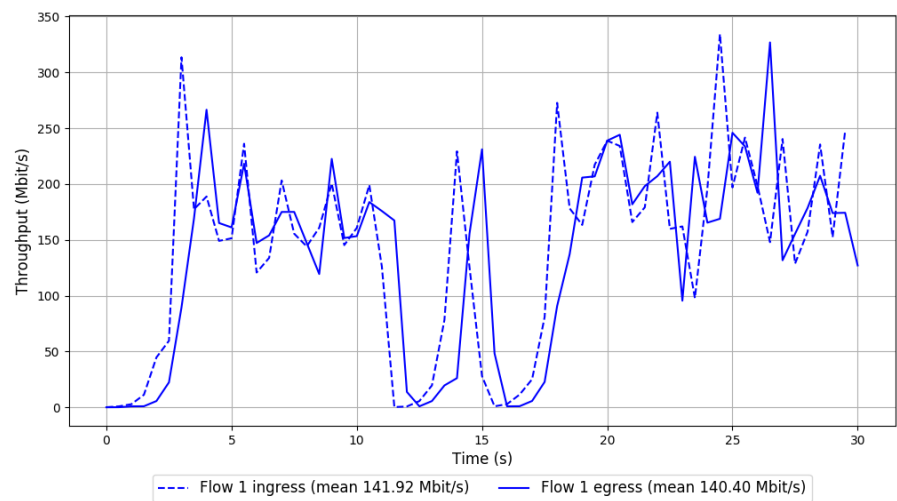


Run 2: Statistics of Verus

Start at: 2018-07-19 12:10:12
End at: 2018-07-19 12:10:42
Local clock offset: -0.913 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-19 16:49:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.40 Mbit/s
95th percentile per-packet one-way delay: 208.417 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 140.40 Mbit/s
95th percentile per-packet one-way delay: 208.417 ms
Loss rate: 1.99%

Run 2: Report of Verus — Data Link

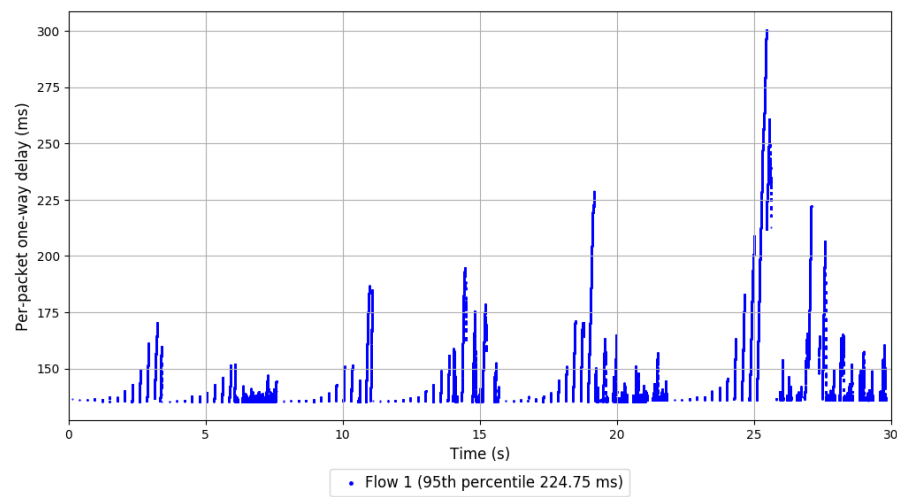
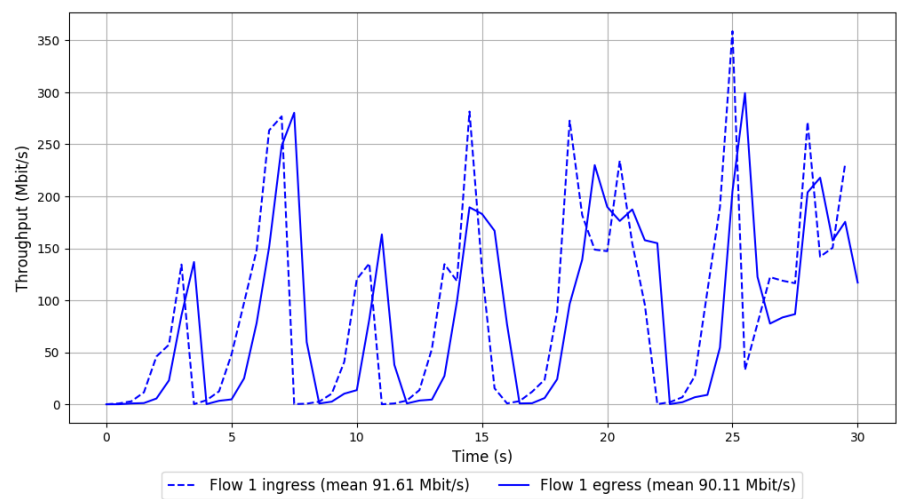


Run 3: Statistics of Verus

Start at: 2018-07-19 12:32:37
End at: 2018-07-19 12:33:07
Local clock offset: -1.123 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-19 16:49:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 224.746 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 224.746 ms
Loss rate: 2.53%

Run 3: Report of Verus — Data Link

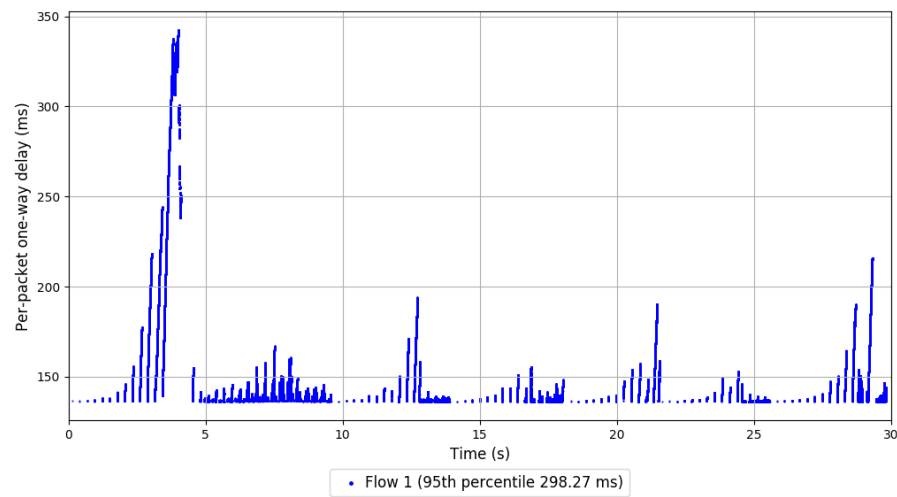
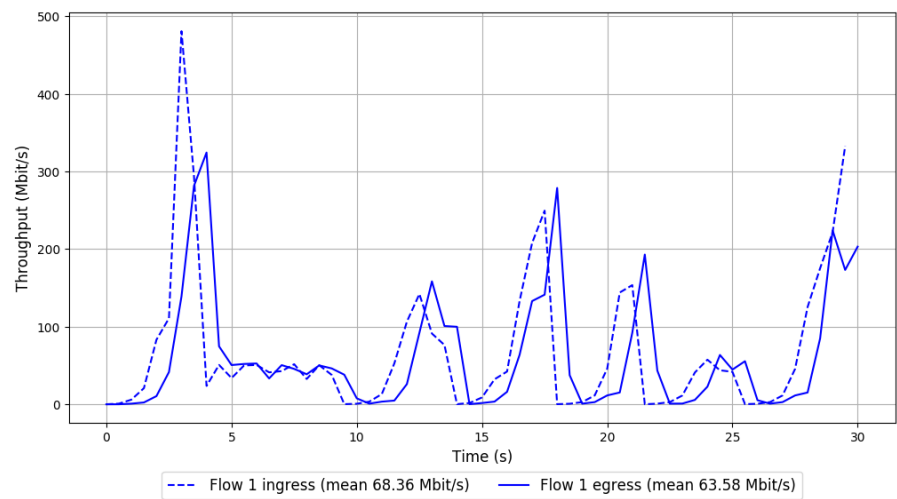


Run 4: Statistics of Verus

Start at: 2018-07-19 12:55:38
End at: 2018-07-19 12:56:08
Local clock offset: -0.121 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-19 16:49:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 298.269 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 298.269 ms
Loss rate: 7.84%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-19 13:18:46

End at: 2018-07-19 13:19:16

Local clock offset: 0.249 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-07-19 16:49:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.52 Mbit/s

95th percentile per-packet one-way delay: 210.534 ms

Loss rate: 0.01%

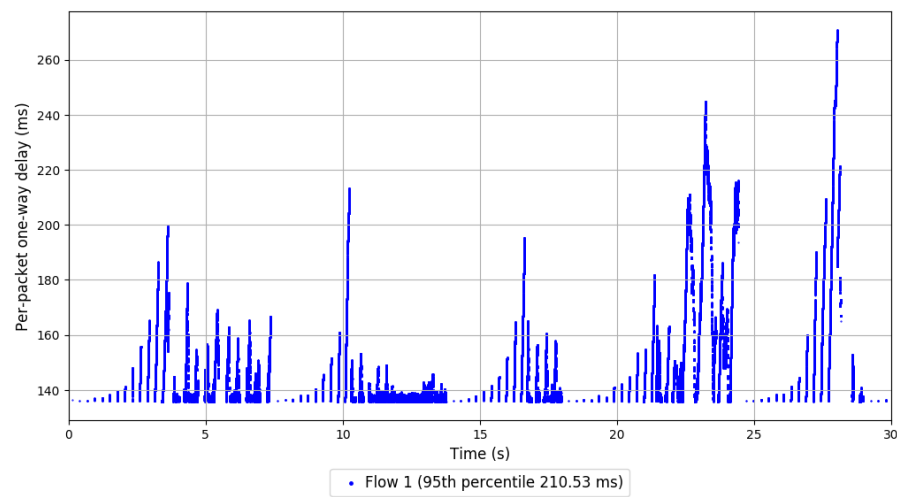
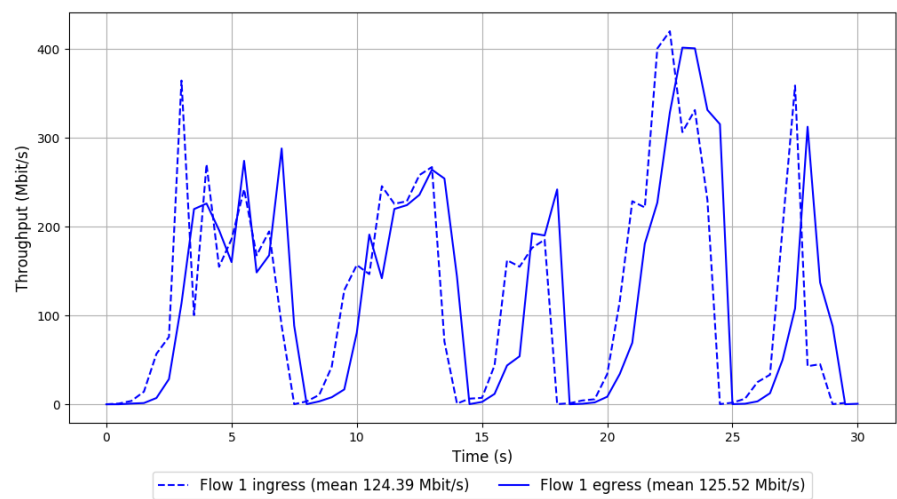
-- Flow 1:

Average throughput: 125.52 Mbit/s

95th percentile per-packet one-way delay: 210.534 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link

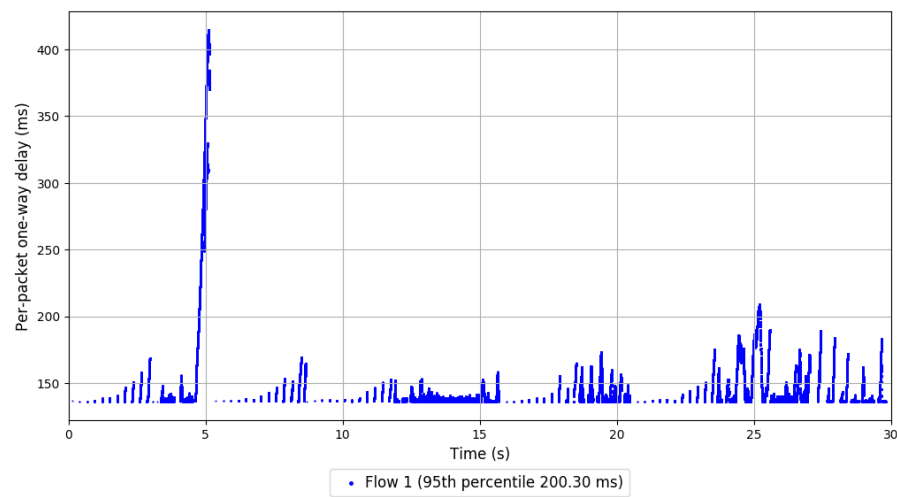
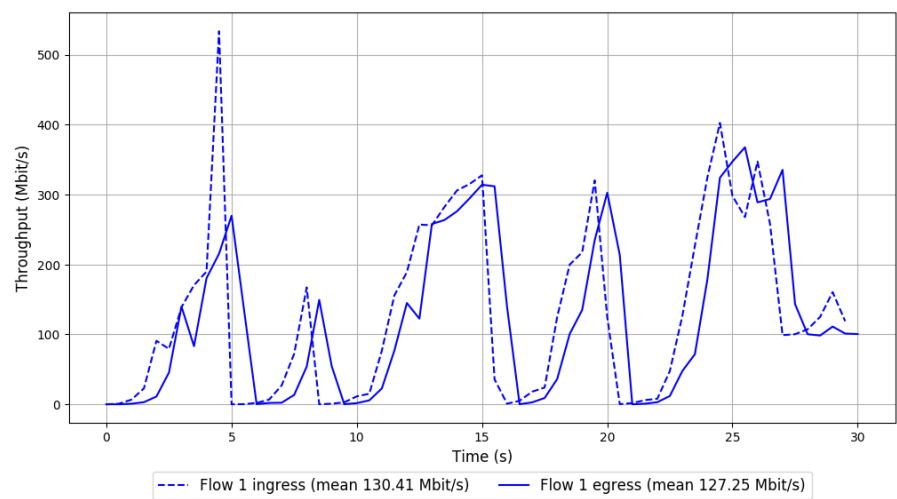


Run 6: Statistics of Verus

Start at: 2018-07-19 13:41:54
End at: 2018-07-19 13:42:24
Local clock offset: 0.565 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-19 16:50:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.25 Mbit/s
95th percentile per-packet one-way delay: 200.301 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 127.25 Mbit/s
95th percentile per-packet one-way delay: 200.301 ms
Loss rate: 3.21%

Run 6: Report of Verus — Data Link

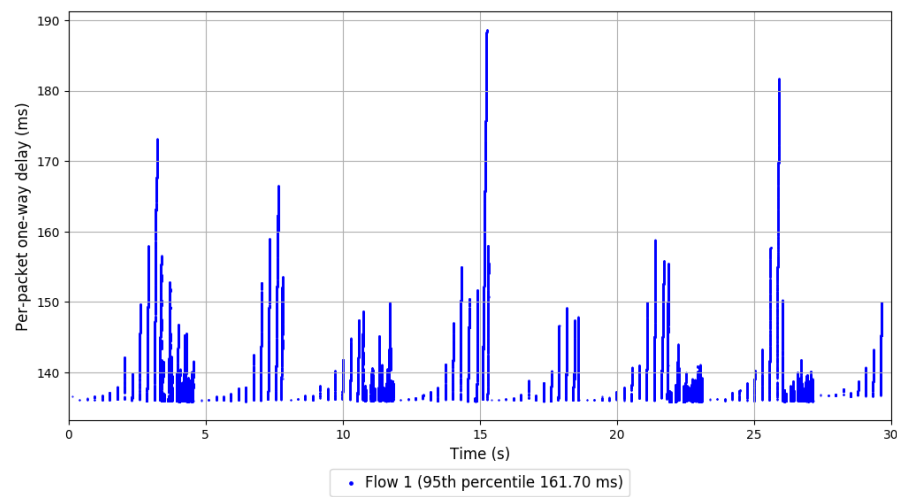
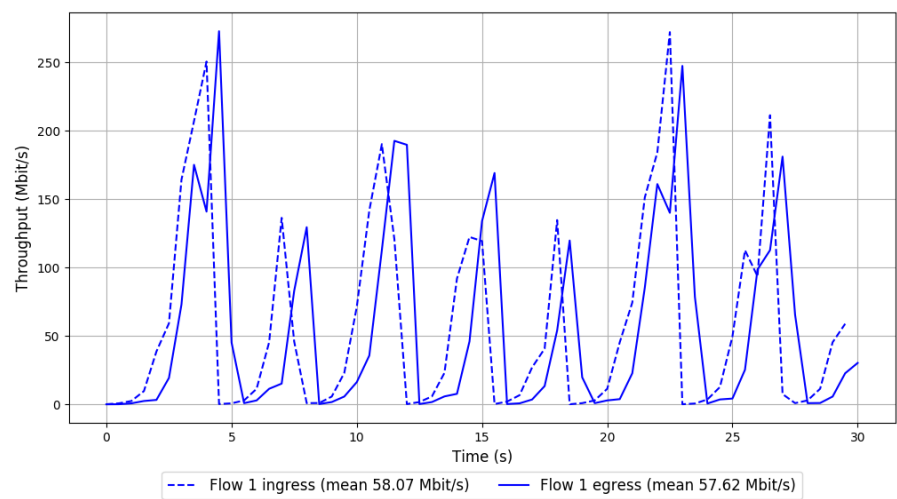


Run 7: Statistics of Verus

Start at: 2018-07-19 14:04:41
End at: 2018-07-19 14:05:11
Local clock offset: 0.885 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-07-19 16:50:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 161.702 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 161.702 ms
Loss rate: 1.70%

Run 7: Report of Verus — Data Link

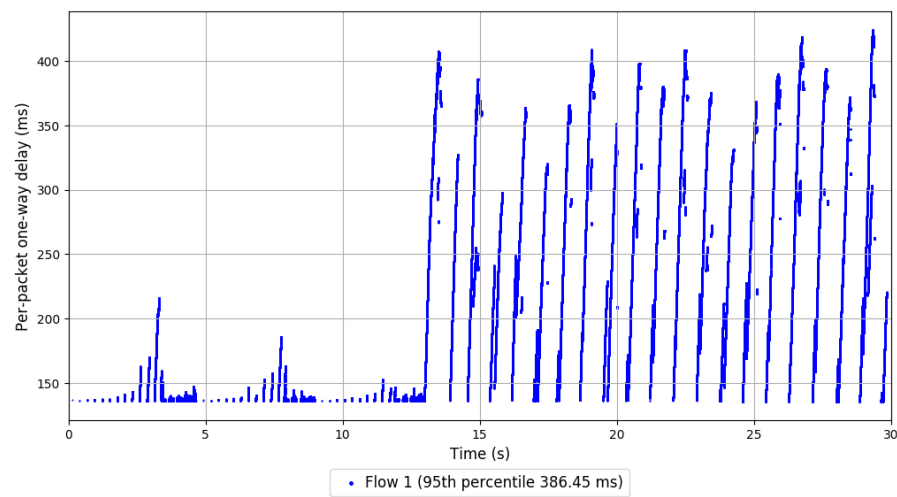
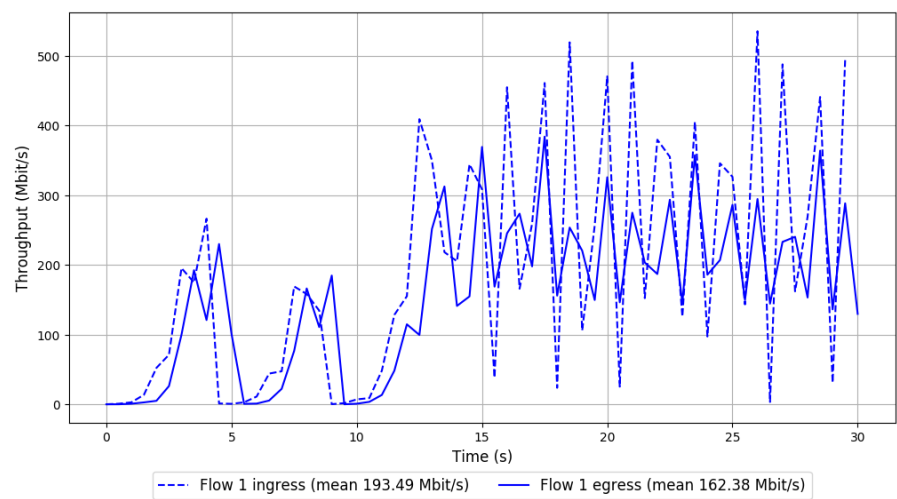


Run 8: Statistics of Verus

Start at: 2018-07-19 14:27:14
End at: 2018-07-19 14:27:44
Local clock offset: 0.588 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-19 16:51:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.38 Mbit/s
95th percentile per-packet one-way delay: 386.454 ms
Loss rate: 16.52%
-- Flow 1:
Average throughput: 162.38 Mbit/s
95th percentile per-packet one-way delay: 386.454 ms
Loss rate: 16.52%

Run 8: Report of Verus — Data Link

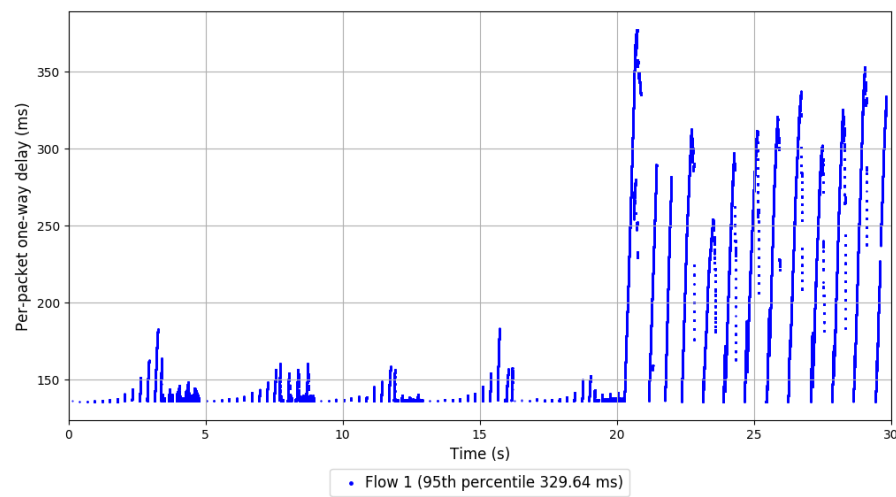
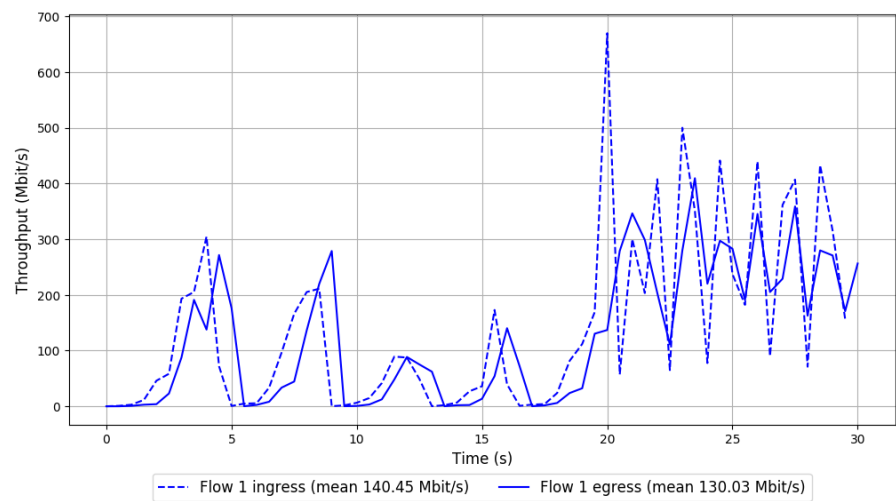


Run 9: Statistics of Verus

Start at: 2018-07-19 14:50:16
End at: 2018-07-19 14:50:46
Local clock offset: -0.178 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-19 16:51:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.03 Mbit/s
95th percentile per-packet one-way delay: 329.643 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 130.03 Mbit/s
95th percentile per-packet one-way delay: 329.643 ms
Loss rate: 7.55%

Run 9: Report of Verus — Data Link

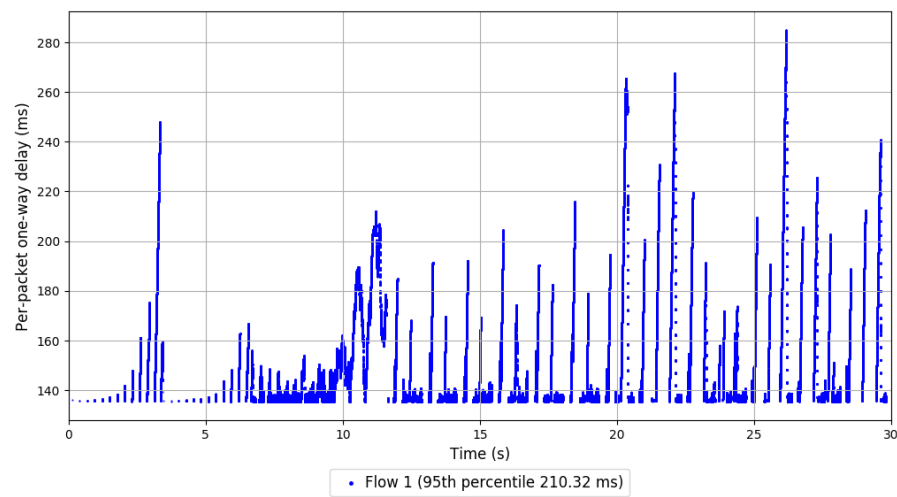
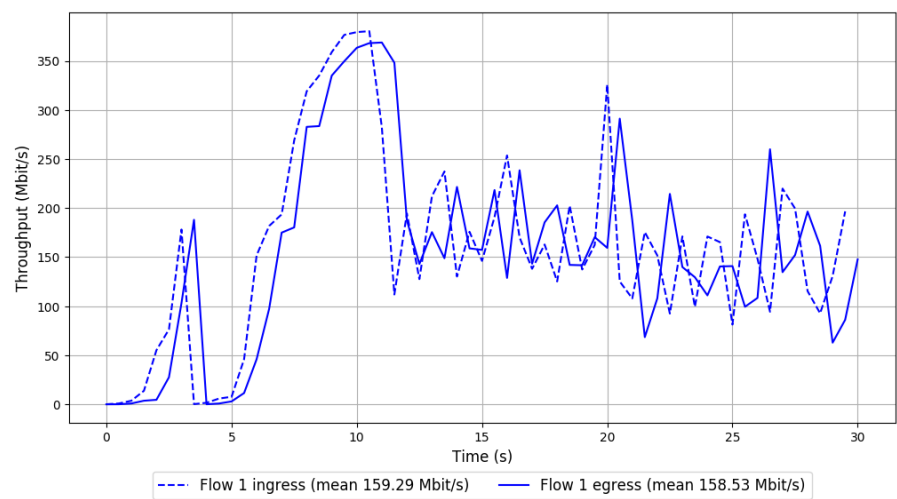


Run 10: Statistics of Verus

Start at: 2018-07-19 15:13:04
End at: 2018-07-19 15:13:34
Local clock offset: -0.228 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-19 16:51:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.53 Mbit/s
95th percentile per-packet one-way delay: 210.317 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 158.53 Mbit/s
95th percentile per-packet one-way delay: 210.317 ms
Loss rate: 1.55%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-19 11:43:47

End at: 2018-07-19 11:44:17

Local clock offset: -0.821 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-19 16:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.29 Mbit/s

95th percentile per-packet one-way delay: 136.809 ms

Loss rate: 1.19%

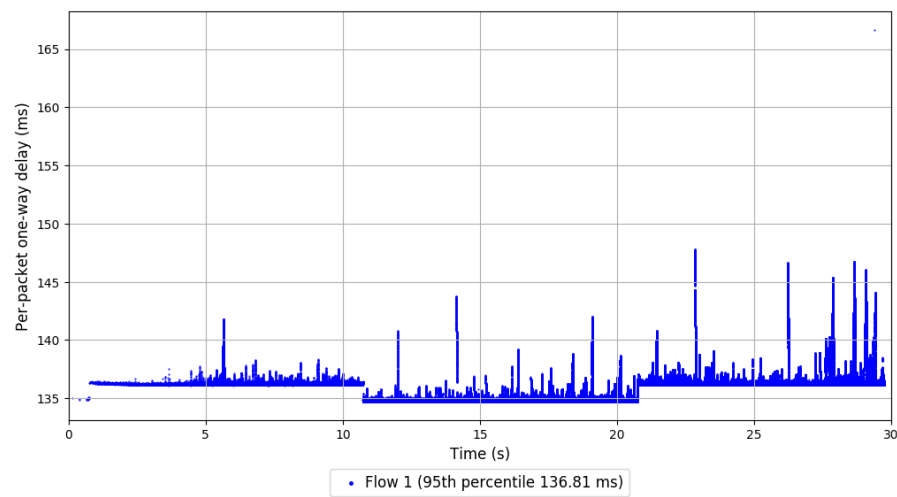
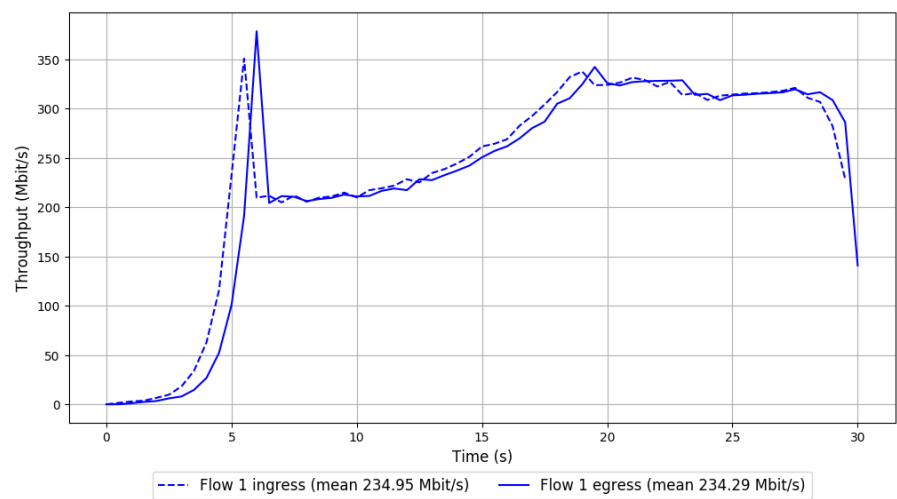
-- Flow 1:

Average throughput: 234.29 Mbit/s

95th percentile per-packet one-way delay: 136.809 ms

Loss rate: 1.19%

Run 1: Report of PCC-Vivace — Data Link

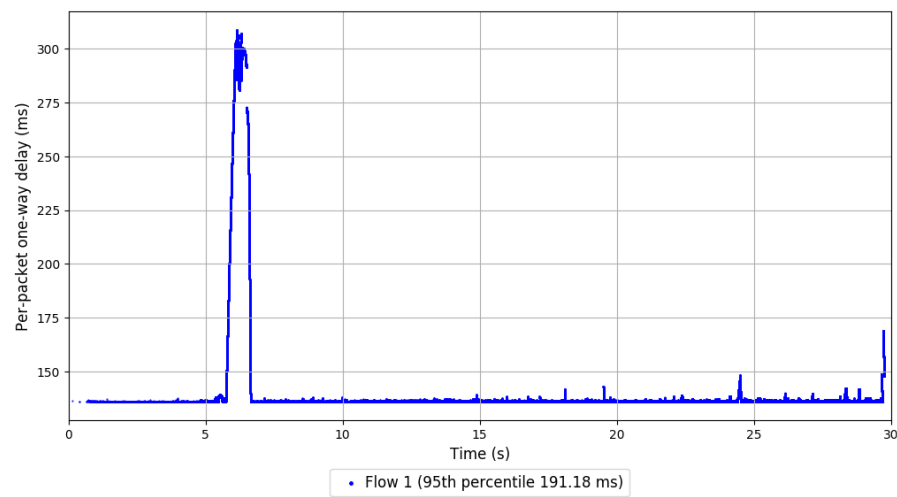
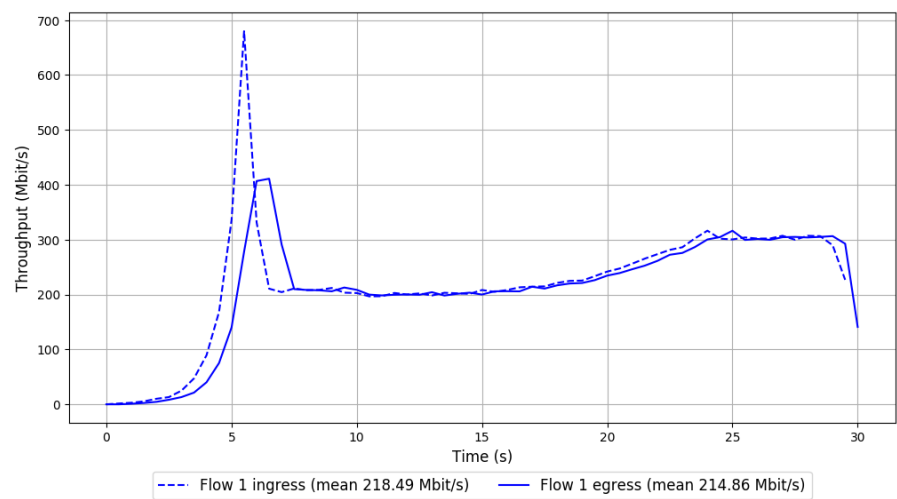


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-19 12:06:27
End at: 2018-07-19 12:06:57
Local clock offset: -0.858 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-19 16:53:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.86 Mbit/s
95th percentile per-packet one-way delay: 191.178 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 214.86 Mbit/s
95th percentile per-packet one-way delay: 191.178 ms
Loss rate: 2.56%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-19 12:28:50

End at: 2018-07-19 12:29:20

Local clock offset: -1.04 ms

Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-19 16:54:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.58 Mbit/s

95th percentile per-packet one-way delay: 239.002 ms

Loss rate: 2.69%

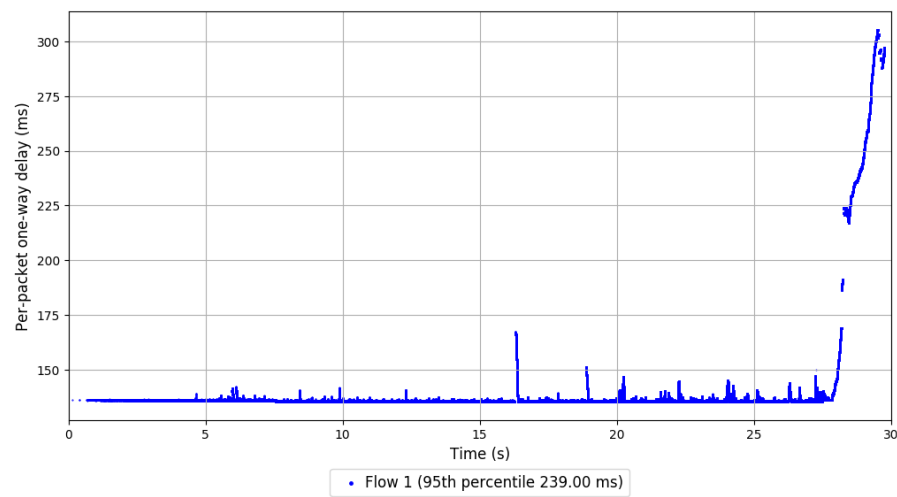
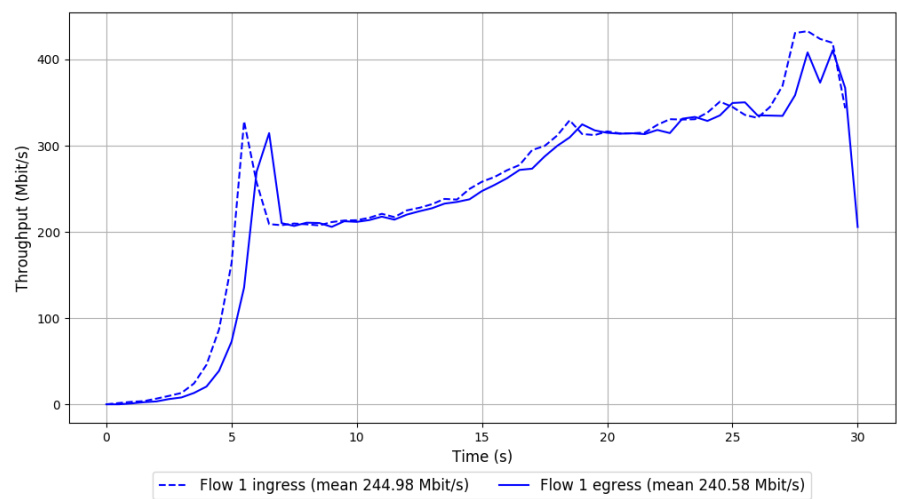
-- Flow 1:

Average throughput: 240.58 Mbit/s

95th percentile per-packet one-way delay: 239.002 ms

Loss rate: 2.69%

Run 3: Report of PCC-Vivace — Data Link

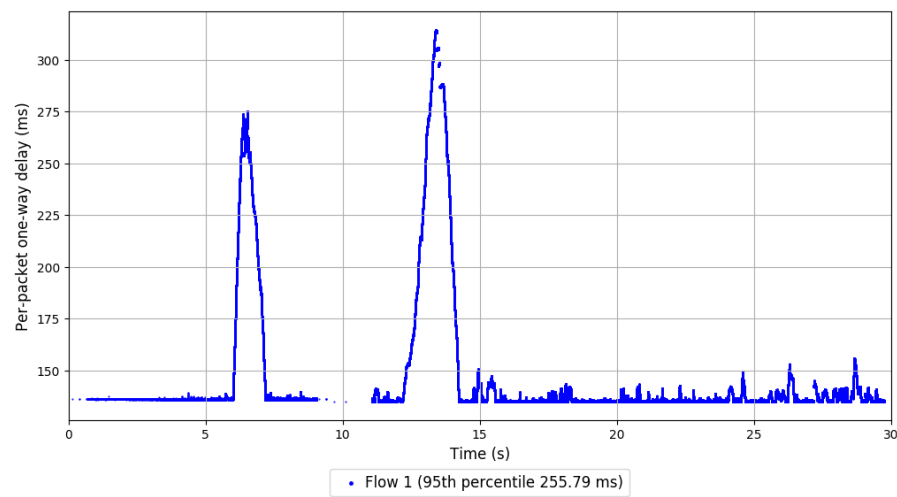
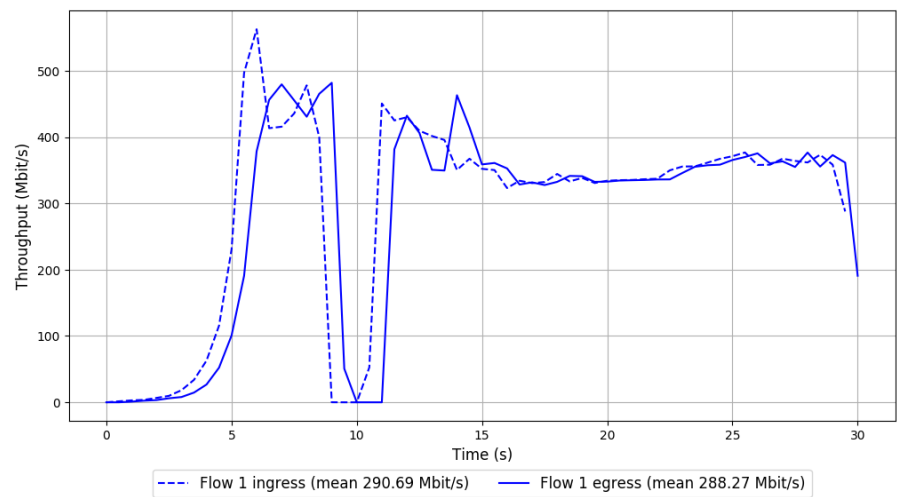


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-19 12:51:48
End at: 2018-07-19 12:52:18
Local clock offset: -0.229 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-19 16:55:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.27 Mbit/s
95th percentile per-packet one-way delay: 255.788 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 288.27 Mbit/s
95th percentile per-packet one-way delay: 255.788 ms
Loss rate: 1.73%

Run 4: Report of PCC-Vivace — Data Link

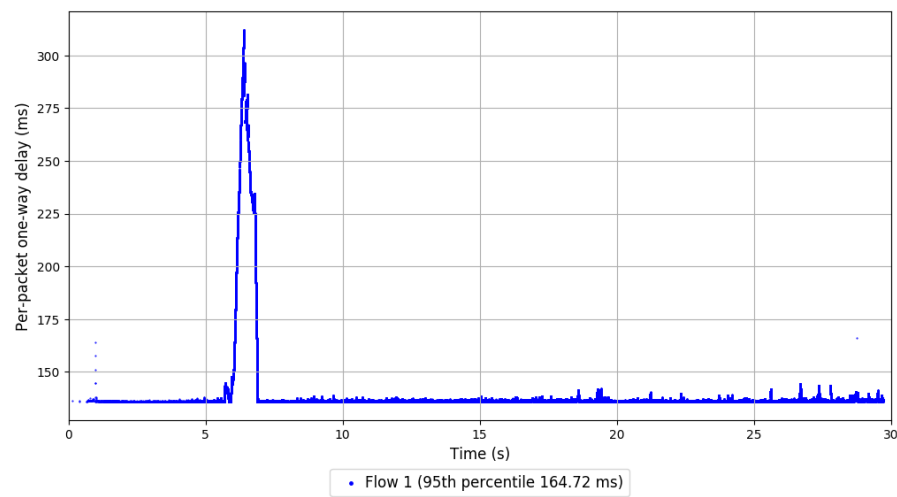
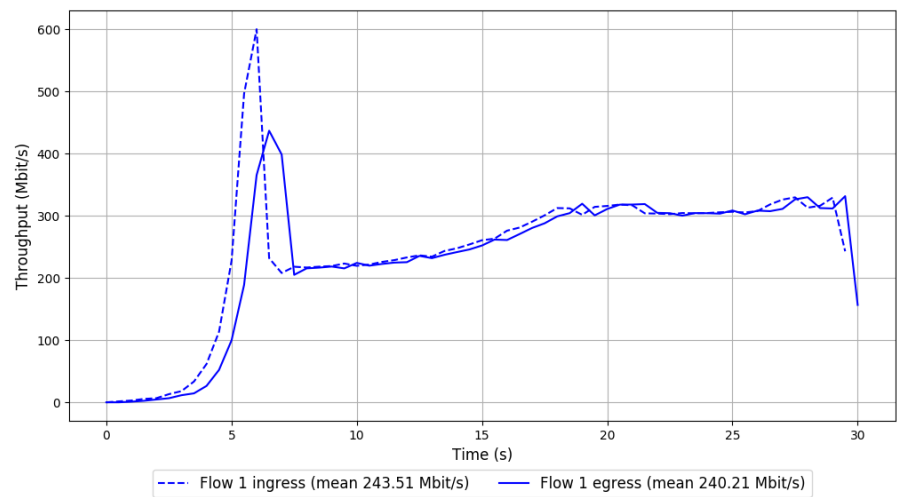


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-19 13:14:59
End at: 2018-07-19 13:15:29
Local clock offset: 0.137 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-19 16:55:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.21 Mbit/s
95th percentile per-packet one-way delay: 164.719 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 240.21 Mbit/s
95th percentile per-packet one-way delay: 164.719 ms
Loss rate: 2.25%

Run 5: Report of PCC-Vivace — Data Link

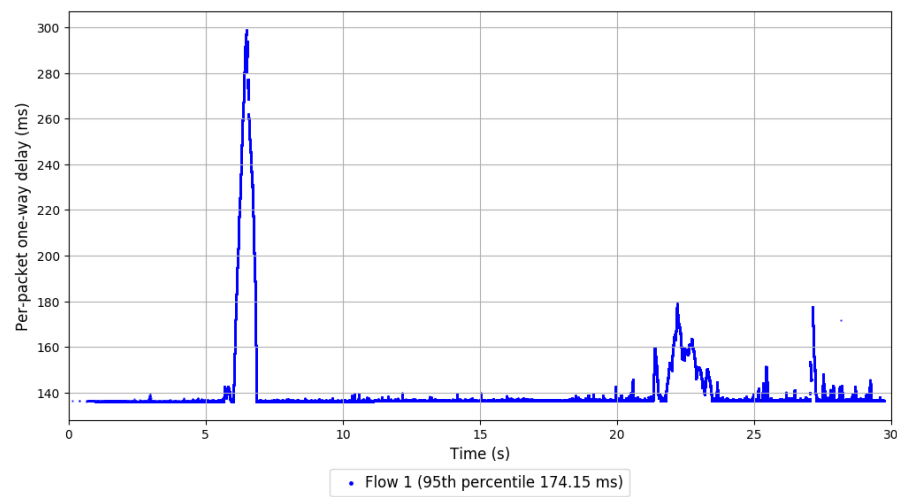
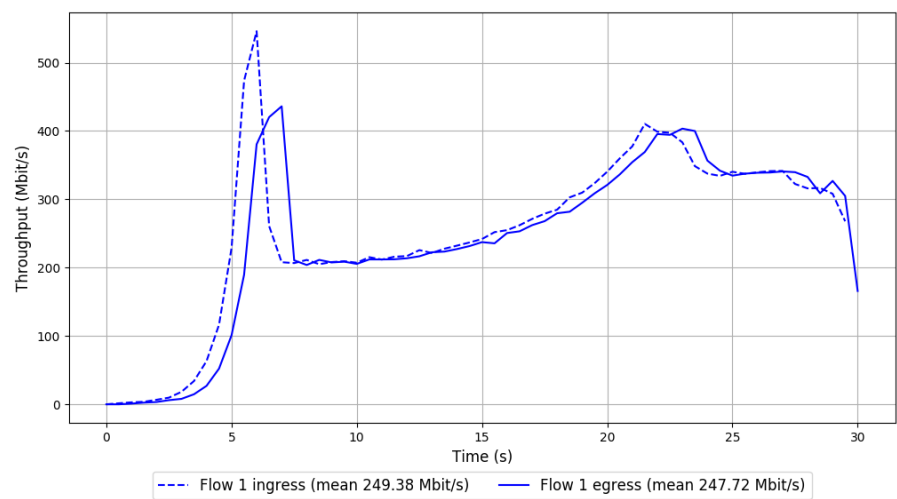


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-19 13:38:07
End at: 2018-07-19 13:38:37
Local clock offset: 0.256 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2018-07-19 16:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.72 Mbit/s
95th percentile per-packet one-way delay: 174.145 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 247.72 Mbit/s
95th percentile per-packet one-way delay: 174.145 ms
Loss rate: 1.68%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-19 14:00:53

End at: 2018-07-19 14:01:23

Local clock offset: 0.566 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-07-19 16:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.78 Mbit/s

95th percentile per-packet one-way delay: 155.532 ms

Loss rate: 1.20%

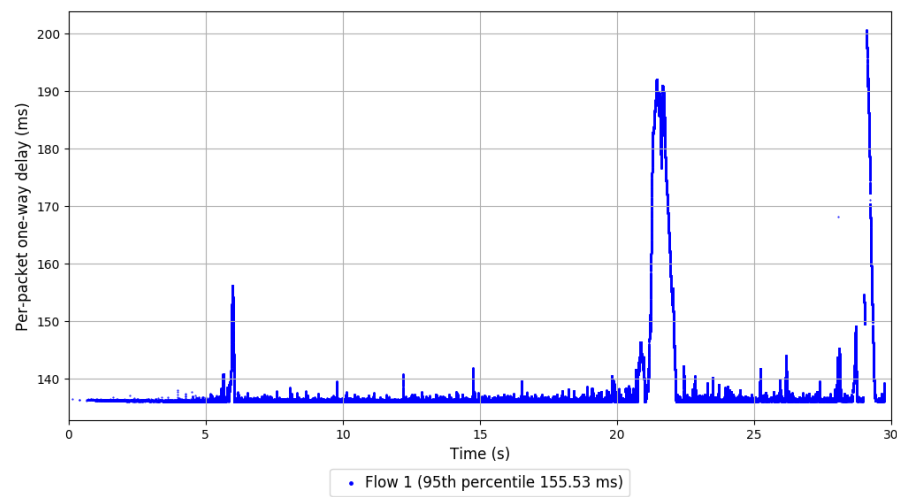
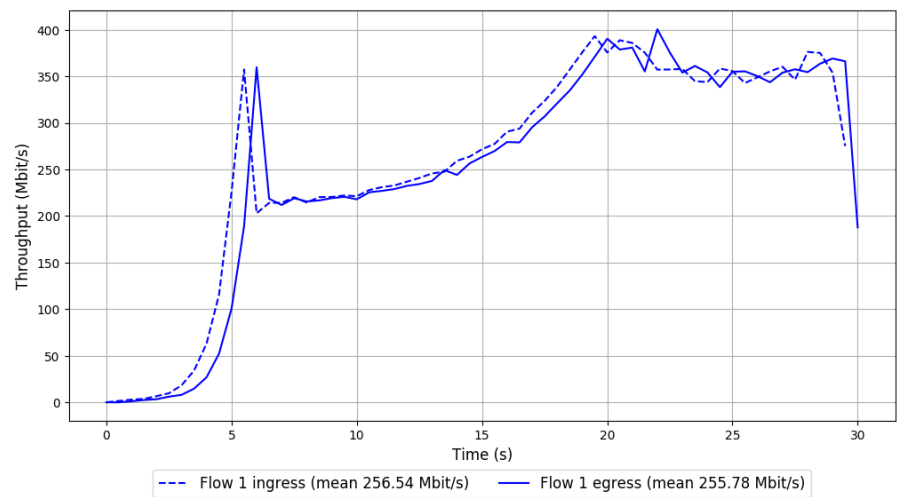
-- Flow 1:

Average throughput: 255.78 Mbit/s

95th percentile per-packet one-way delay: 155.532 ms

Loss rate: 1.20%

Run 7: Report of PCC-Vivace — Data Link

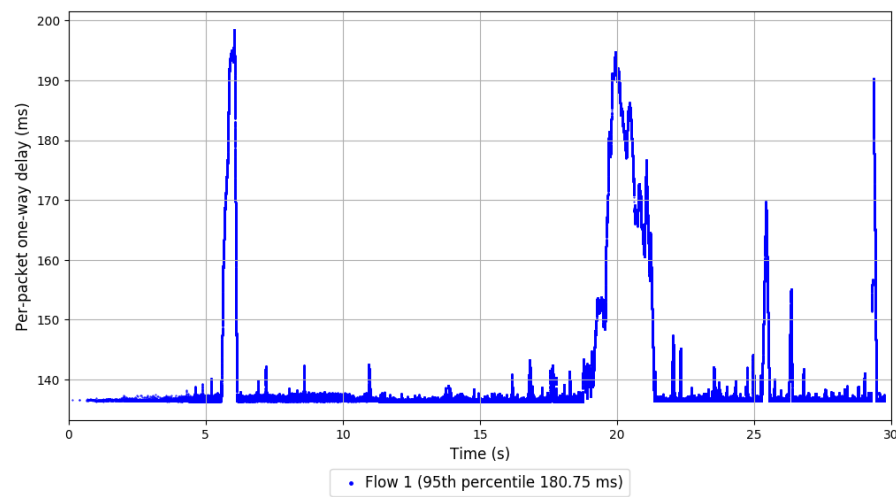
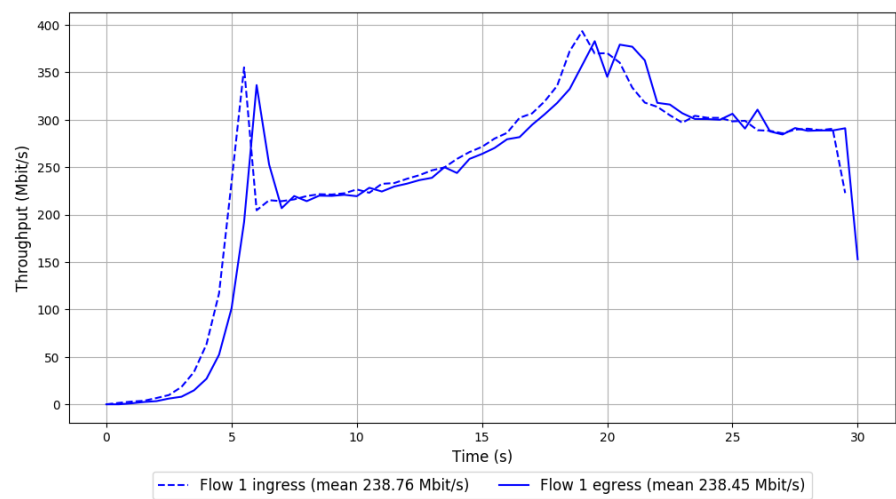


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-19 14:23:26
End at: 2018-07-19 14:23:56
Local clock offset: 0.859 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-19 16:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.45 Mbit/s
95th percentile per-packet one-way delay: 180.745 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 238.45 Mbit/s
95th percentile per-packet one-way delay: 180.745 ms
Loss rate: 1.04%

Run 8: Report of PCC-Vivace — Data Link

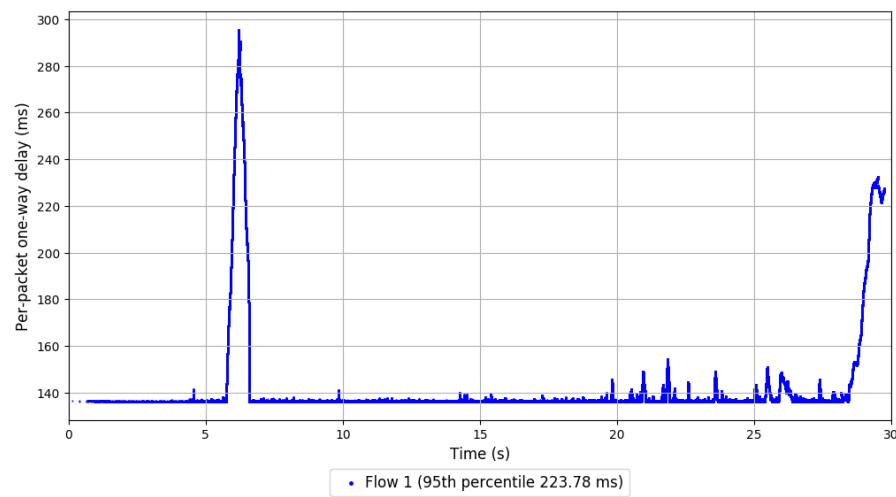
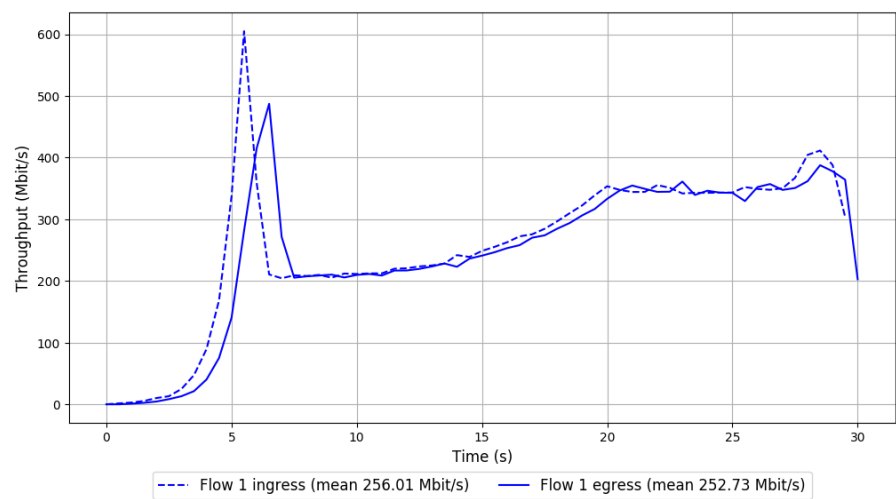


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-19 14:46:29
End at: 2018-07-19 14:46:59
Local clock offset: -0.268 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.73 Mbit/s
95th percentile per-packet one-way delay: 223.782 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 252.73 Mbit/s
95th percentile per-packet one-way delay: 223.782 ms
Loss rate: 2.19%

Run 9: Report of PCC-Vivace — Data Link

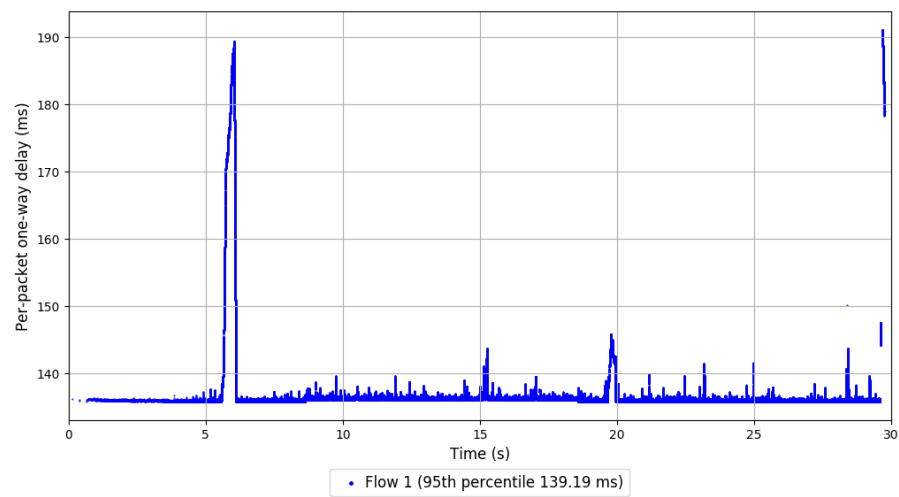
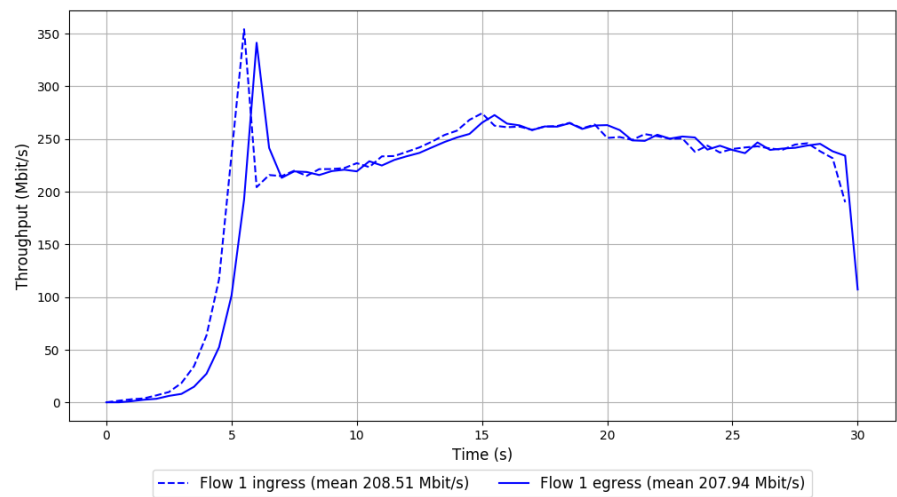


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-19 15:09:19
End at: 2018-07-19 15:09:49
Local clock offset: -0.078 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.94 Mbit/s
95th percentile per-packet one-way delay: 139.190 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 207.94 Mbit/s
95th percentile per-packet one-way delay: 139.190 ms
Loss rate: 1.18%

Run 10: Report of PCC-Vivace — Data Link

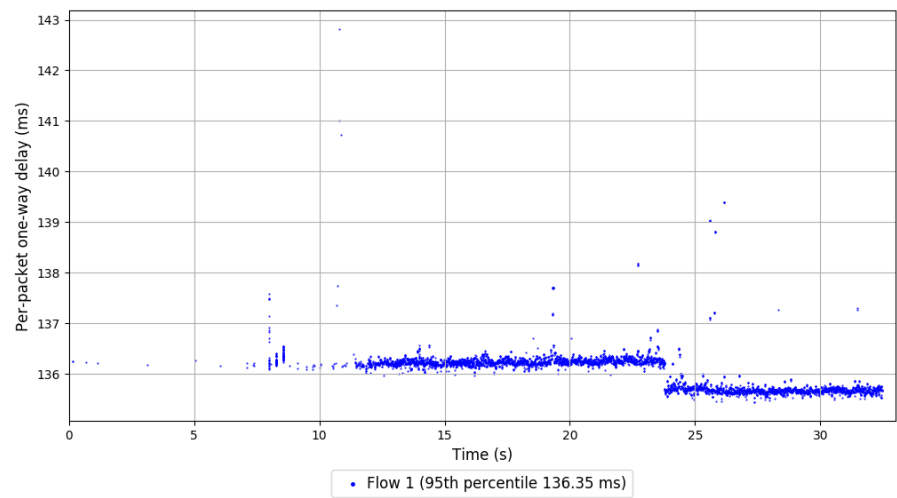
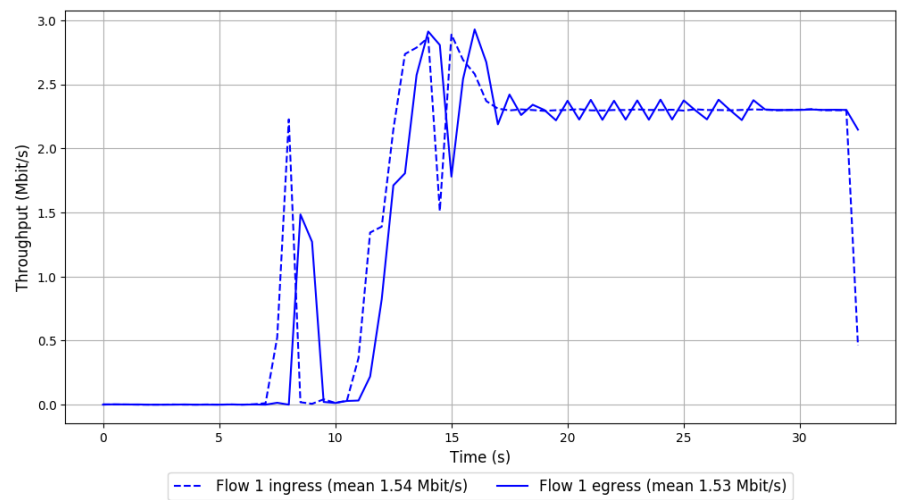


Run 1: Statistics of WebRTC media

Start at: 2018-07-19 11:34:56
End at: 2018-07-19 11:35:26
Local clock offset: -0.699 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.347 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.347 ms
Loss rate: 1.22%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-19 11:57:33

End at: 2018-07-19 11:58:03

Local clock offset: -0.873 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-19 16:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 136.614 ms

Loss rate: 1.05%

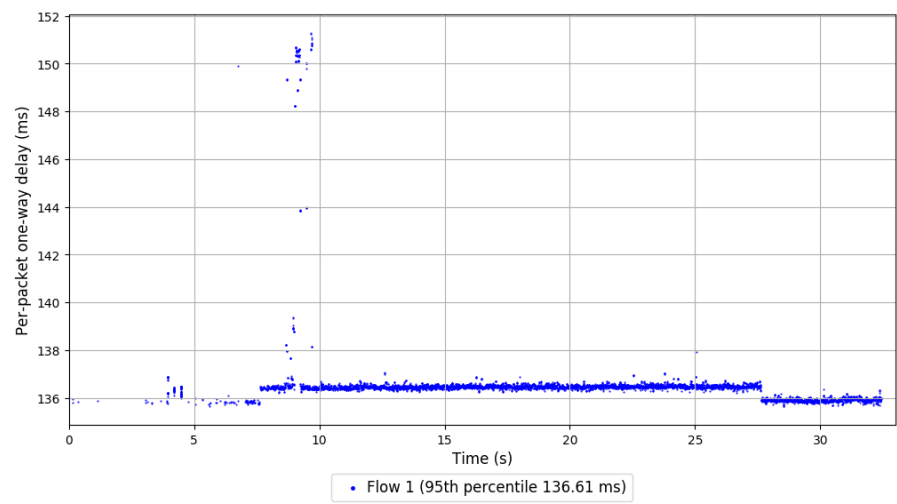
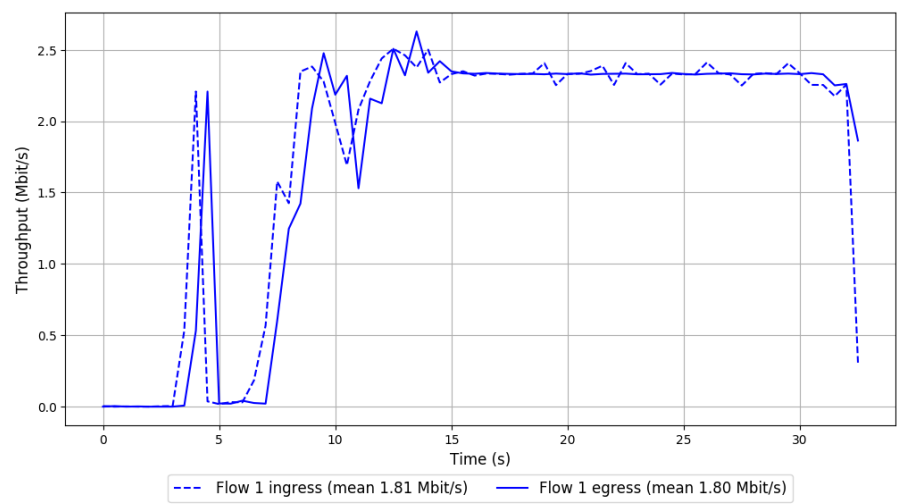
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 136.614 ms

Loss rate: 1.05%

Run 2: Report of WebRTC media — Data Link

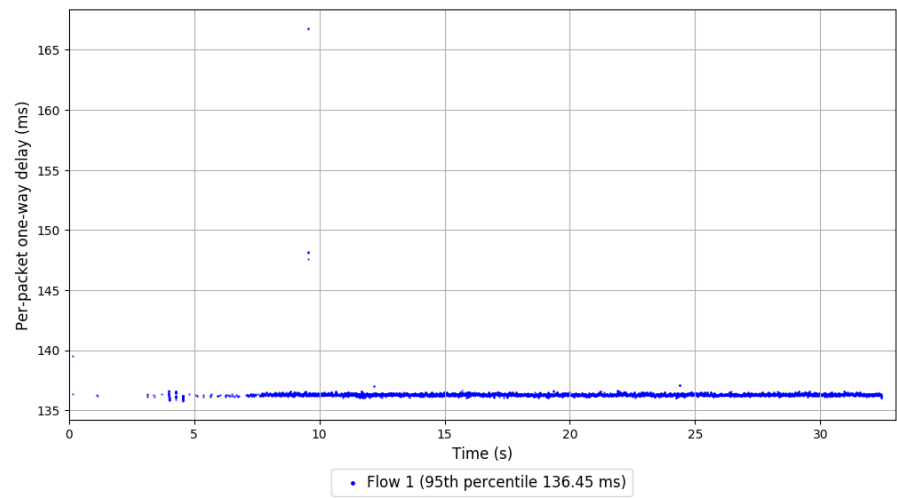
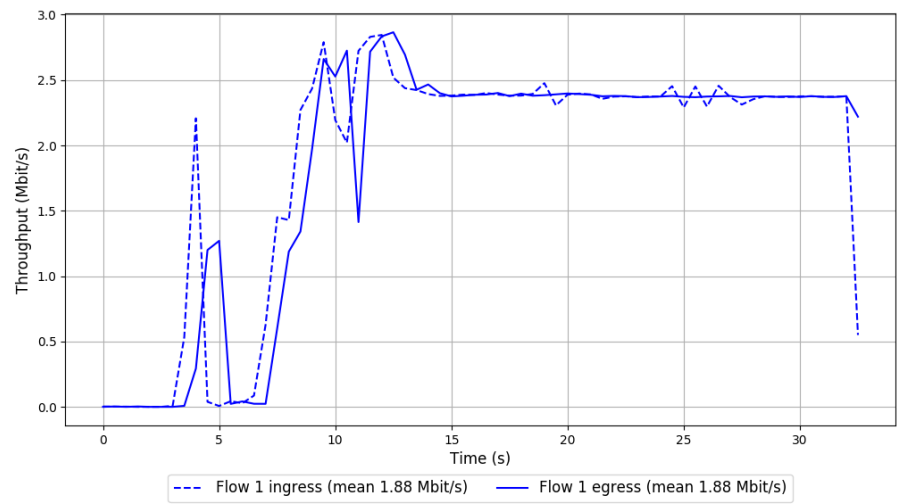


Run 3: Statistics of WebRTC media

Start at: 2018-07-19 12:20:01
End at: 2018-07-19 12:20:31
Local clock offset: -1.194 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 136.454 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 136.454 ms
Loss rate: 1.09%

Run 3: Report of WebRTC media — Data Link

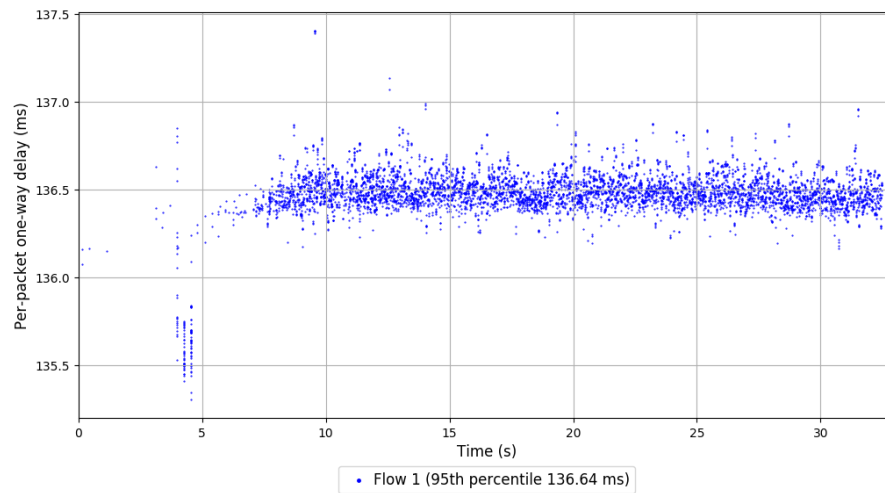
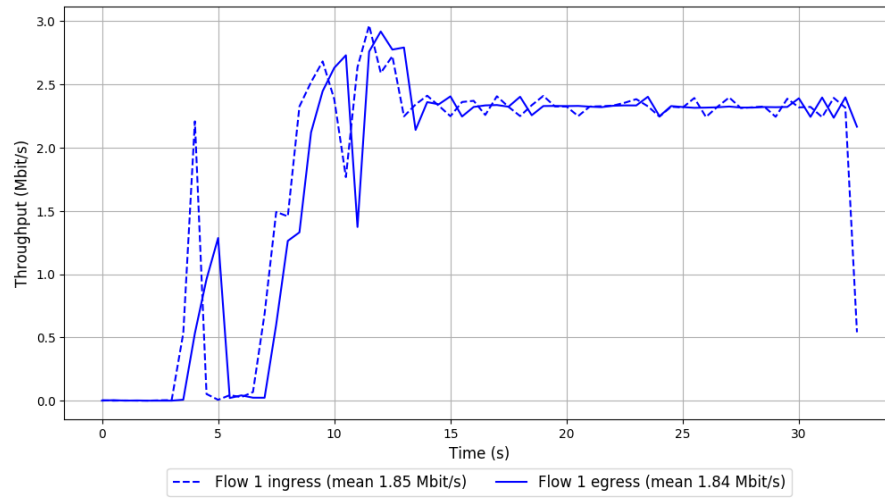


Run 4: Statistics of WebRTC media

Start at: 2018-07-19 12:42:38
End at: 2018-07-19 12:43:08
Local clock offset: -0.885 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.642 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.642 ms
Loss rate: 1.09%

Run 4: Report of WebRTC media — Data Link

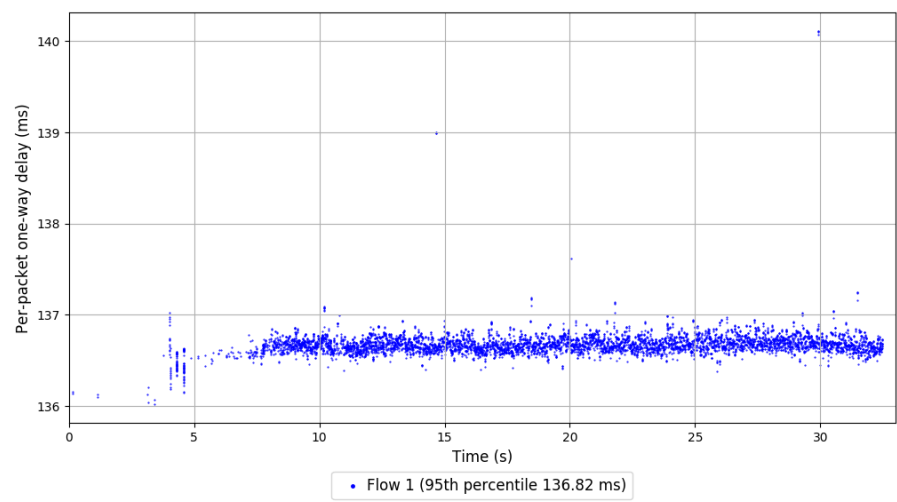
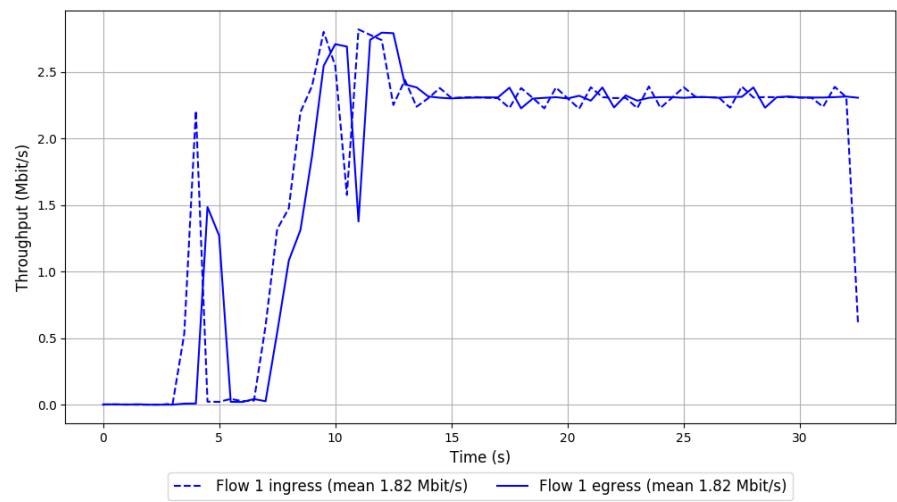


Run 5: Statistics of WebRTC media

Start at: 2018-07-19 13:05:57
End at: 2018-07-19 13:06:27
Local clock offset: 0.054 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 1.10%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-19 13:28:54

End at: 2018-07-19 13:29:24

Local clock offset: 0.332 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-19 16:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 136.833 ms

Loss rate: 1.09%

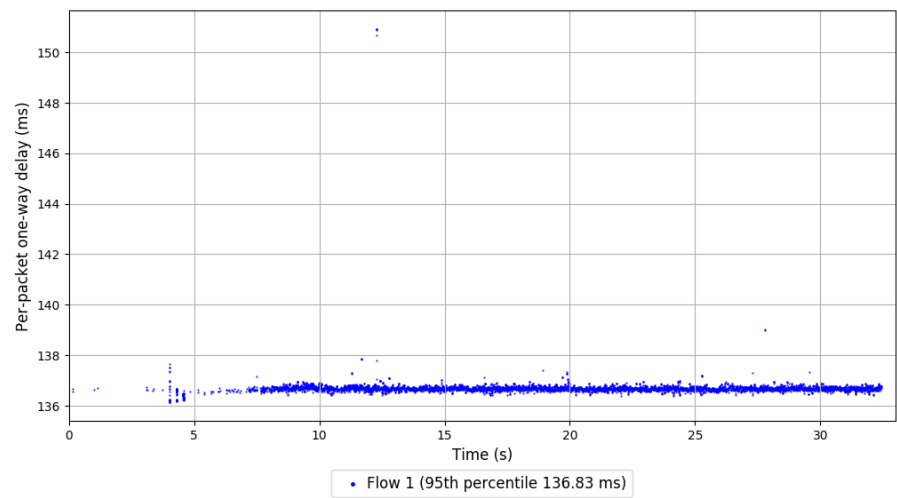
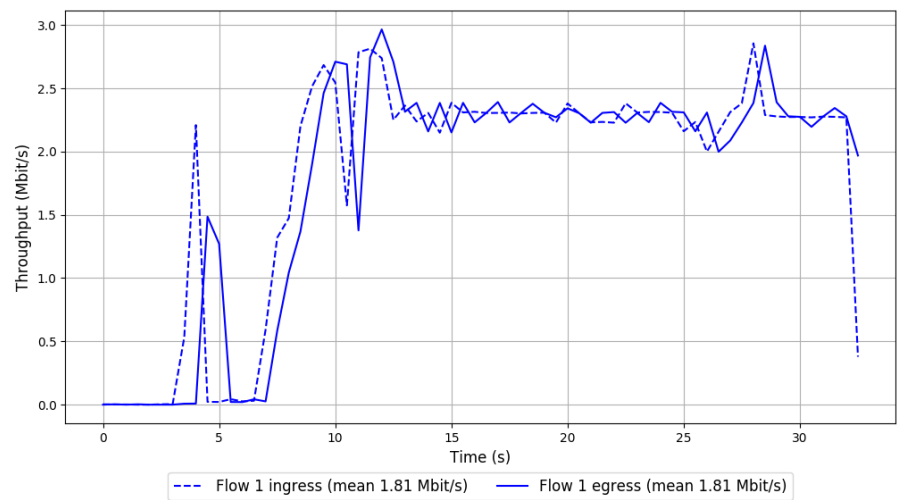
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 136.833 ms

Loss rate: 1.09%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-19 13:51:57

End at: 2018-07-19 13:52:27

Local clock offset: 0.589 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-07-19 16:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 136.026 ms

Loss rate: 1.05%

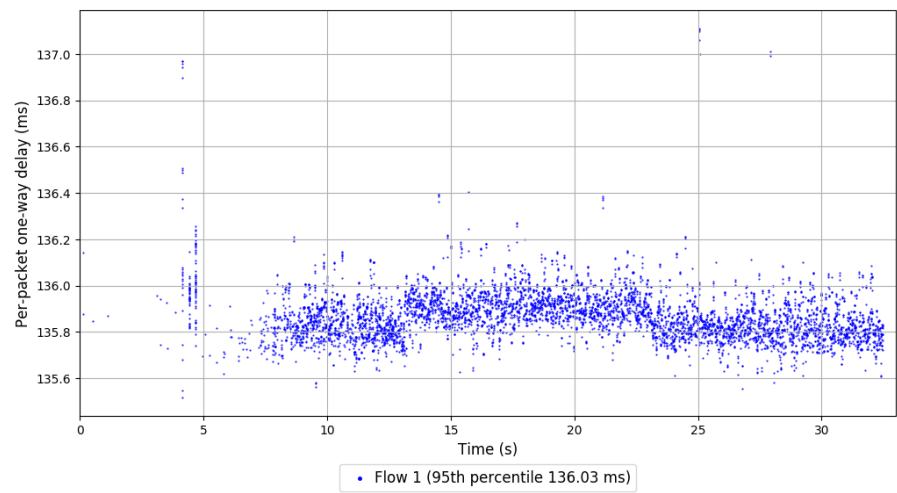
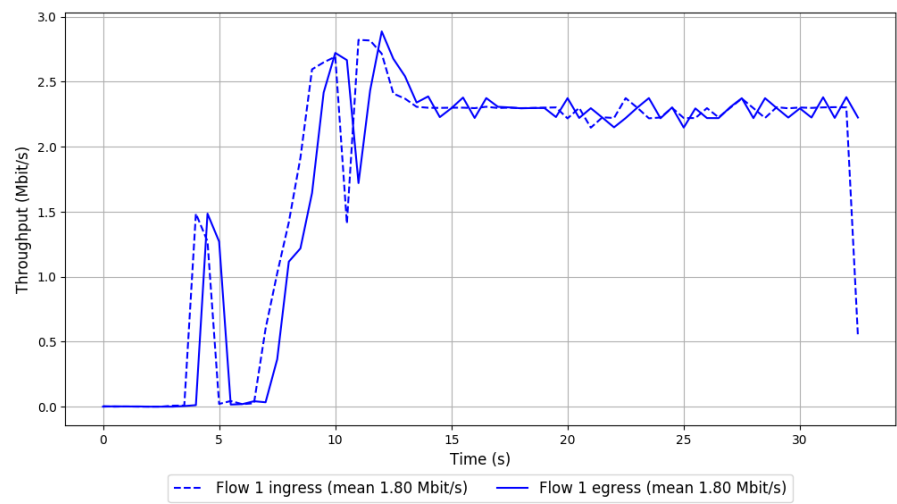
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 136.026 ms

Loss rate: 1.05%

Run 7: Report of WebRTC media — Data Link

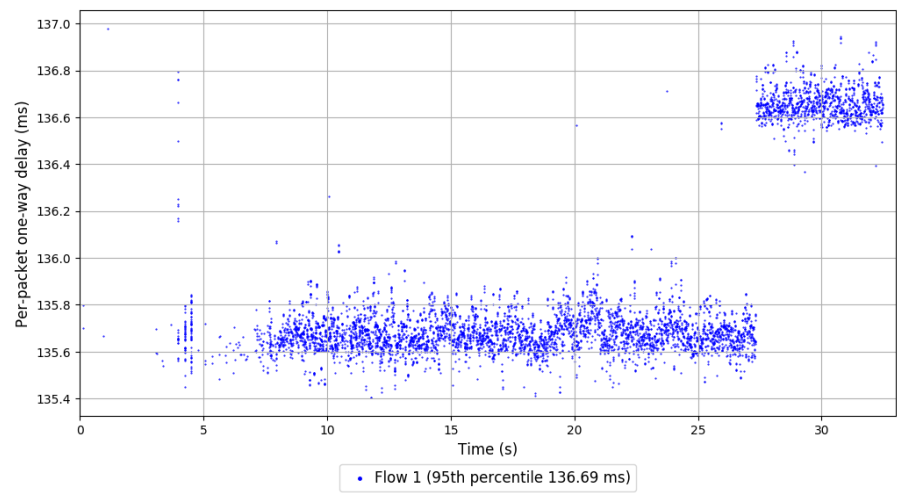
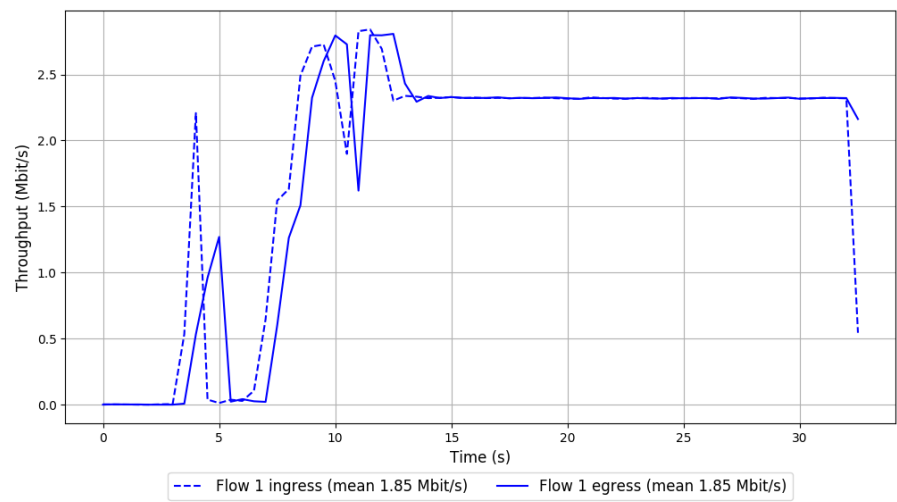


Run 8: Statistics of WebRTC media

Start at: 2018-07-19 14:14:43
End at: 2018-07-19 14:15:13
Local clock offset: 0.891 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-19 16:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 136.693 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 136.693 ms
Loss rate: 1.09%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-19 14:37:29

End at: 2018-07-19 14:37:59

Local clock offset: 0.019 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-07-19 16:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 137.037 ms

Loss rate: 1.10%

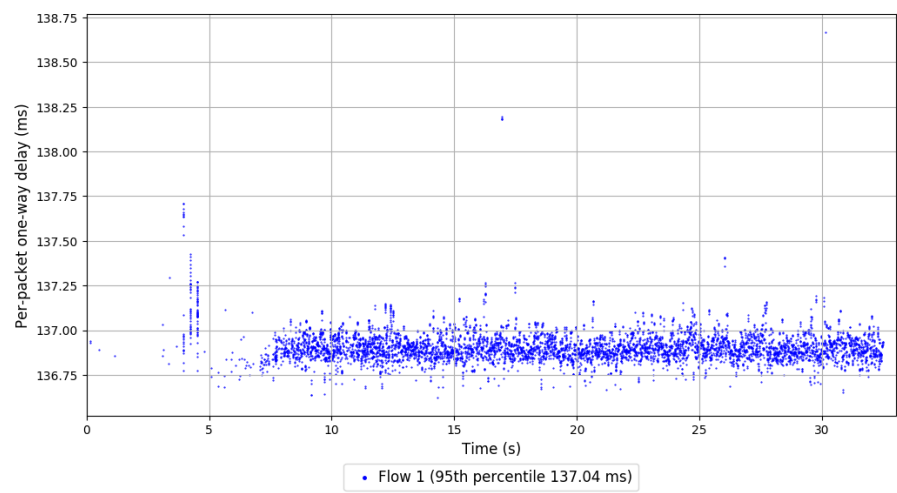
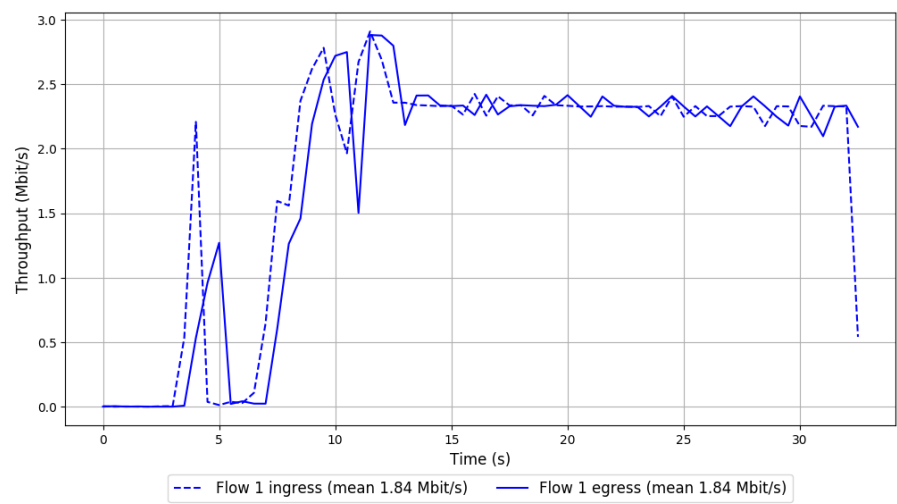
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 137.037 ms

Loss rate: 1.10%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-19 15:00:33

End at: 2018-07-19 15:01:03

Local clock offset: -0.306 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-19 16:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 136.258 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 136.258 ms

Loss rate: 1.08%

Run 10: Report of WebRTC media — Data Link

