

Pantheon Report

Generated at 2019-03-09 10:37:03 (UTC).

Data path: GCE Sydney on `ens4` (*local*) → GCE London on `ens4` (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

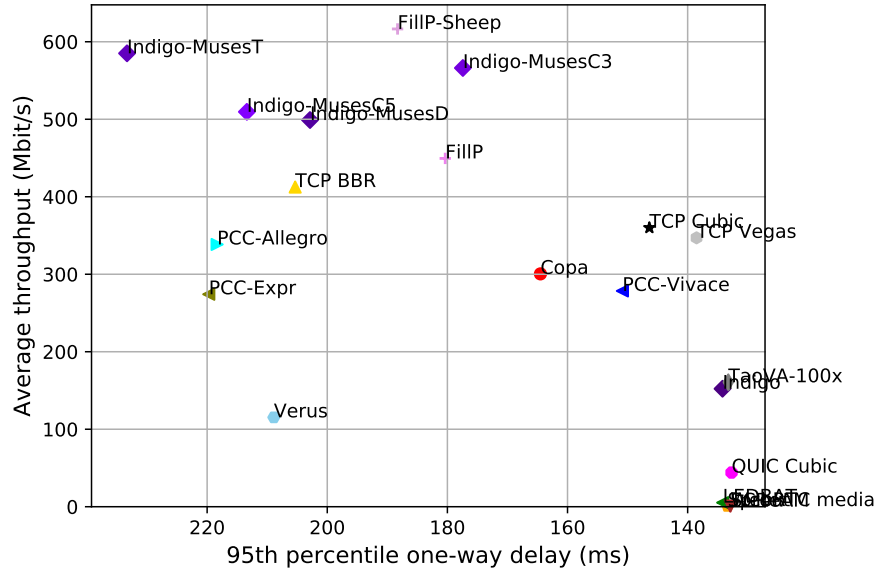
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

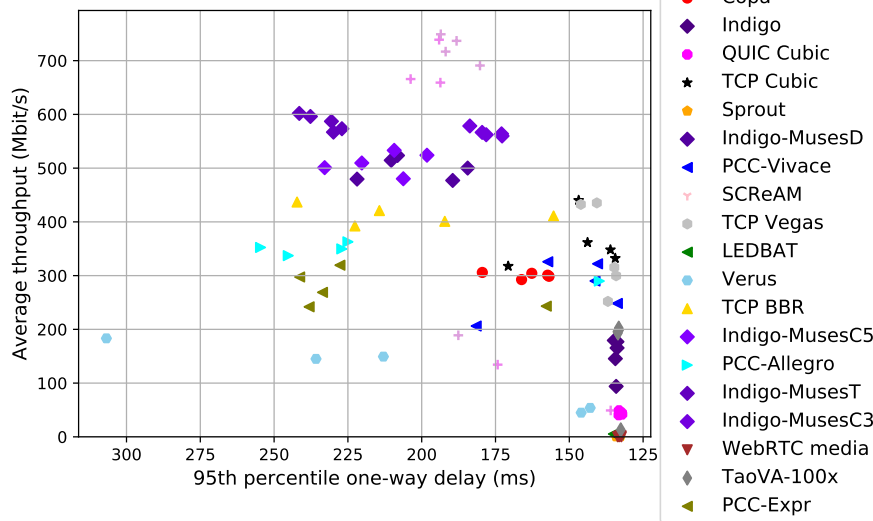
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from GCE Sydney to GCE London, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE London, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	412.51	205.34	0.25
Copa	5	300.47	164.51	0.03
TCP Cubic	5	359.94	146.37	0.01
FillP	5	449.46	180.36	1.22
FillP-Sheep	5	616.54	188.29	0.89
Indigo	5	152.25	134.20	0.00
Indigo-MusesC3	5	566.16	177.42	0.10
Indigo-MusesC5	5	509.58	213.39	0.34
Indigo-MusesD	5	499.00	202.87	0.24
Indigo-MusesT	5	585.07	233.34	1.11
LEDBAT	5	5.29	134.17	0.00
PCC-Allegro	5	338.43	218.33	1.65
PCC-Expr	5	274.16	219.73	1.45
QUIC Cubic	4	44.07	132.69	0.00
SCReAM	5	0.15	132.88	0.00
Sprout	5	0.65	133.35	0.00
TaoVA-100x	5	160.60	133.24	0.00
TCP Vegas	5	346.99	138.52	0.00
Verus	5	115.31	208.90	4.06
PCC-Vivace	5	278.45	150.87	0.16
WebRTC media	5	0.82	132.89	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-03-09 06:19:08

End at: 2019-03-09 06:19:38

Local clock offset: -0.216 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-03-09 09:17:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.06 Mbit/s

95th percentile per-packet one-way delay: 192.188 ms

Loss rate: 0.15%

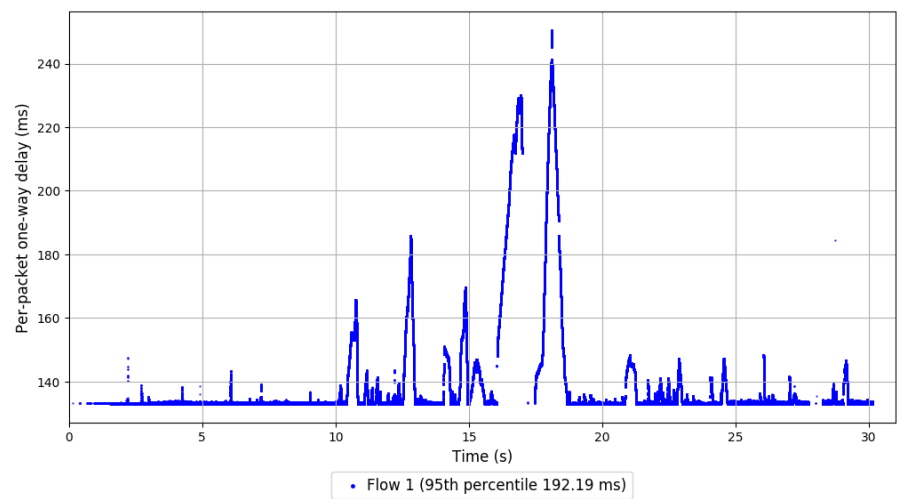
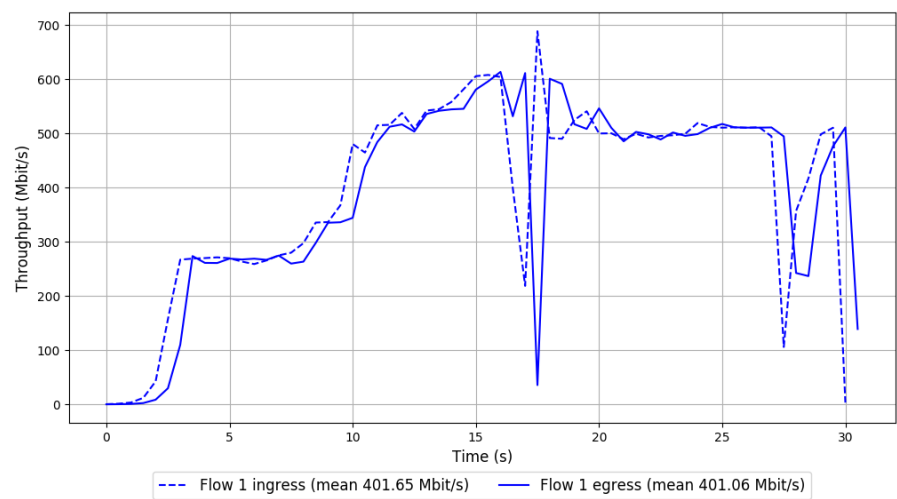
-- Flow 1:

Average throughput: 401.06 Mbit/s

95th percentile per-packet one-way delay: 192.188 ms

Loss rate: 0.15%

Run 1: Report of TCP BBR — Data Link

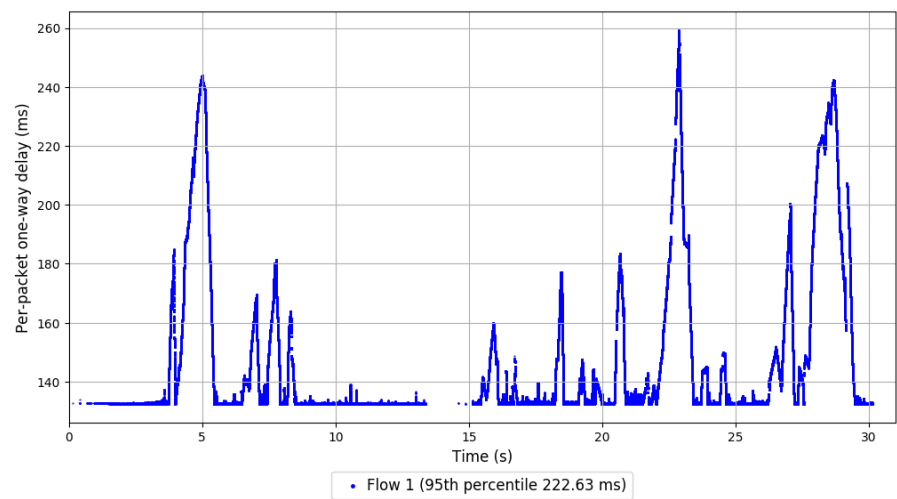
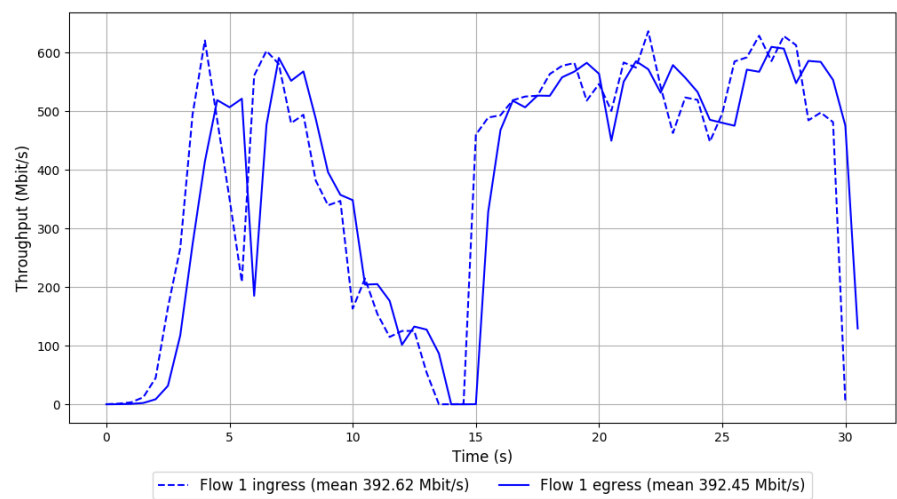


Run 2: Statistics of TCP BBR

Start at: 2019-03-09 06:53:53
End at: 2019-03-09 06:54:23
Local clock offset: -0.191 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-03-09 09:17:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 392.45 Mbit/s
95th percentile per-packet one-way delay: 222.630 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 392.45 Mbit/s
95th percentile per-packet one-way delay: 222.630 ms
Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-03-09 07:27:52

End at: 2019-03-09 07:28:22

Local clock offset: -0.157 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-03-09 09:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.96 Mbit/s

95th percentile per-packet one-way delay: 242.222 ms

Loss rate: 0.85%

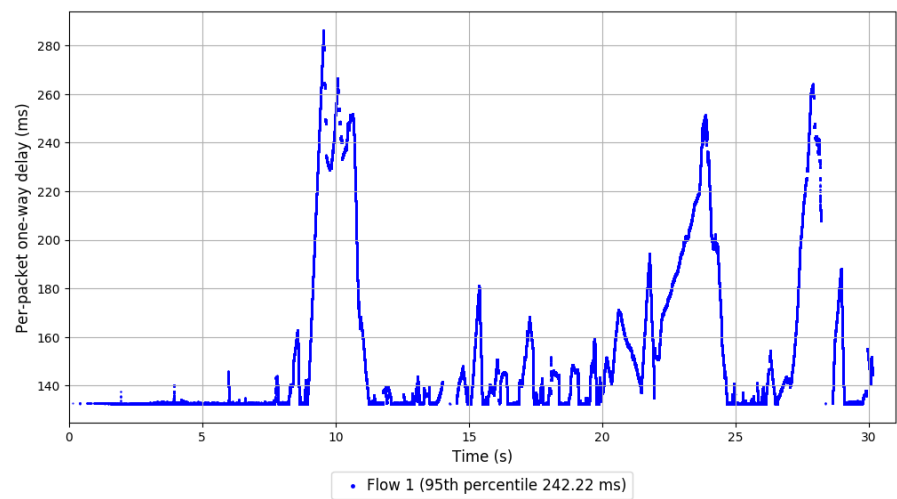
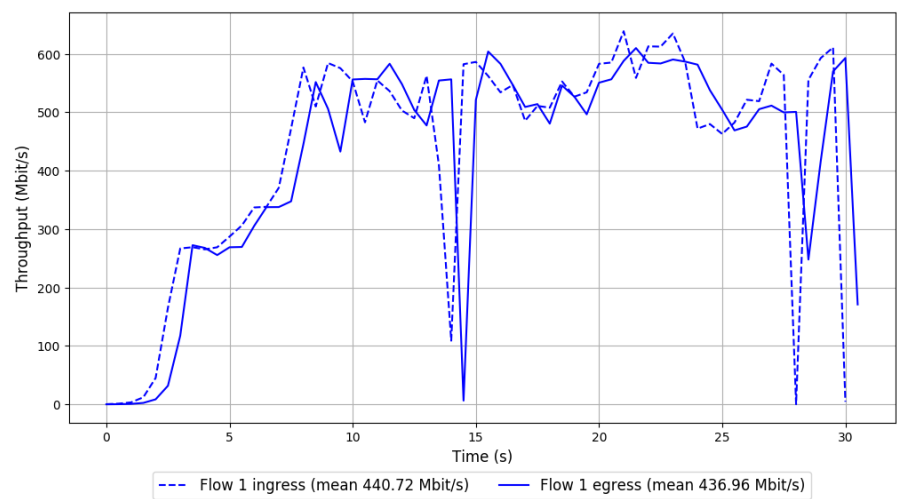
-- Flow 1:

Average throughput: 436.96 Mbit/s

95th percentile per-packet one-way delay: 242.222 ms

Loss rate: 0.85%

Run 3: Report of TCP BBR — Data Link

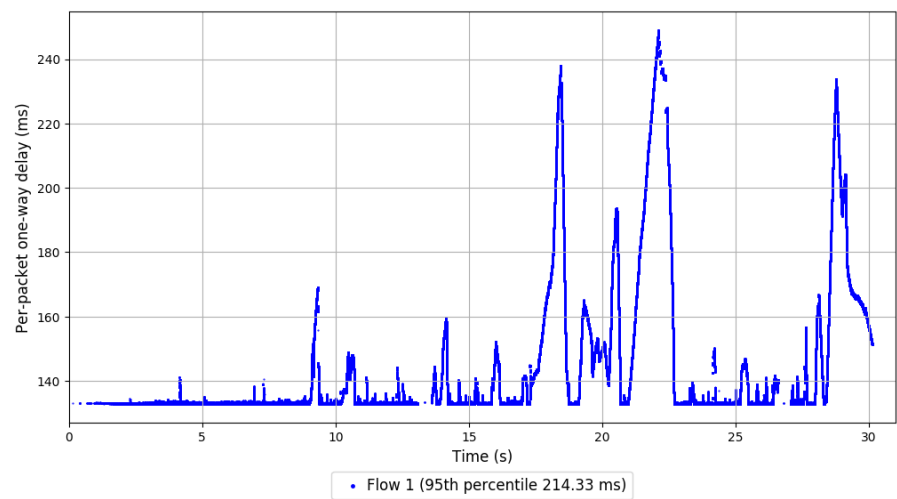
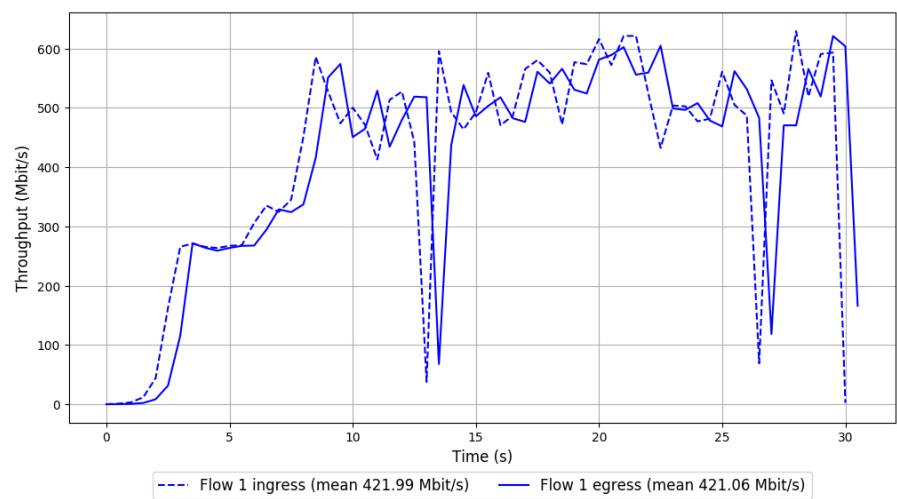


Run 4: Statistics of TCP BBR

Start at: 2019-03-09 08:04:02
End at: 2019-03-09 08:04:32
Local clock offset: -0.081 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-03-09 09:19:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 421.06 Mbit/s
95th percentile per-packet one-way delay: 214.328 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 421.06 Mbit/s
95th percentile per-packet one-way delay: 214.328 ms
Loss rate: 0.22%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-09 08:38:48

End at: 2019-03-09 08:39:18

Local clock offset: -0.508 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2019-03-09 09:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.02 Mbit/s

95th percentile per-packet one-way delay: 155.332 ms

Loss rate: 0.01%

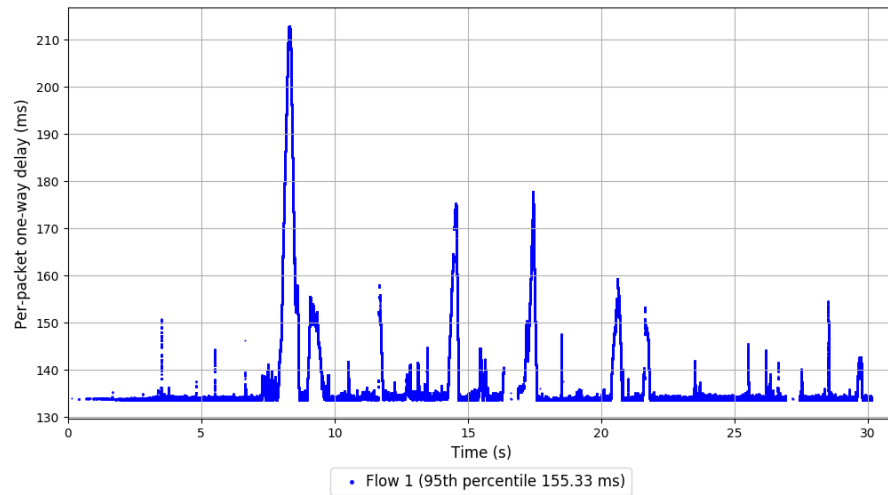
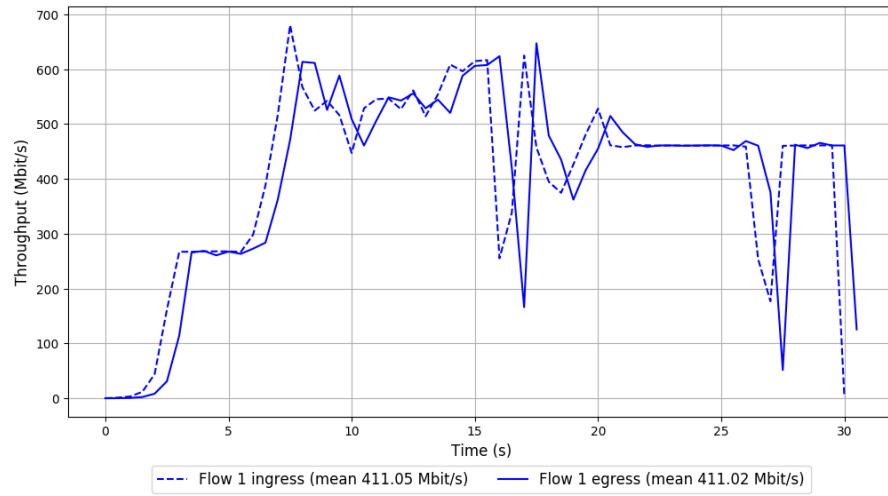
-- Flow 1:

Average throughput: 411.02 Mbit/s

95th percentile per-packet one-way delay: 155.332 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link

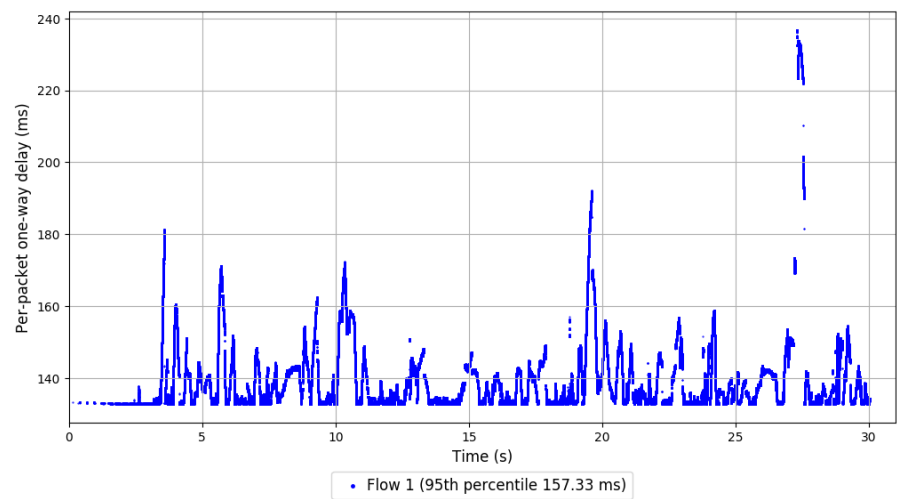
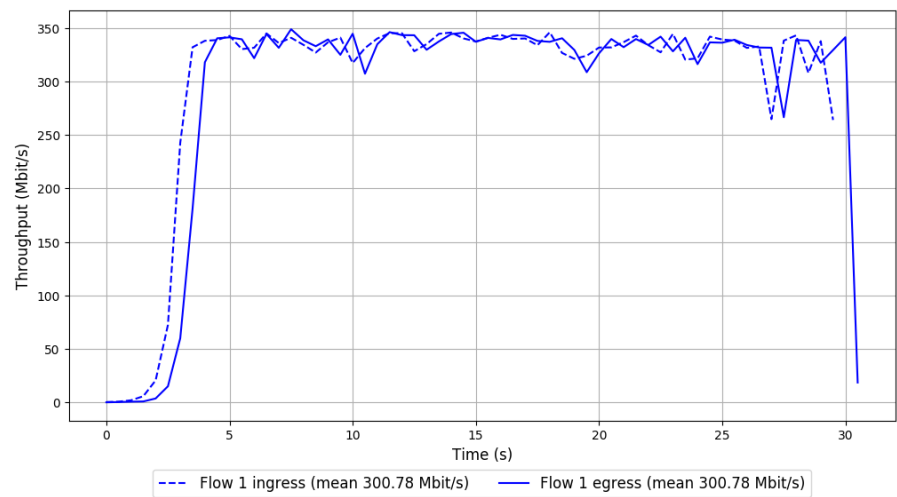


Run 1: Statistics of Copa

Start at: 2019-03-09 06:21:11
End at: 2019-03-09 06:21:41
Local clock offset: -0.059 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-03-09 09:21:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.78 Mbit/s
95th percentile per-packet one-way delay: 157.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 300.78 Mbit/s
95th percentile per-packet one-way delay: 157.328 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

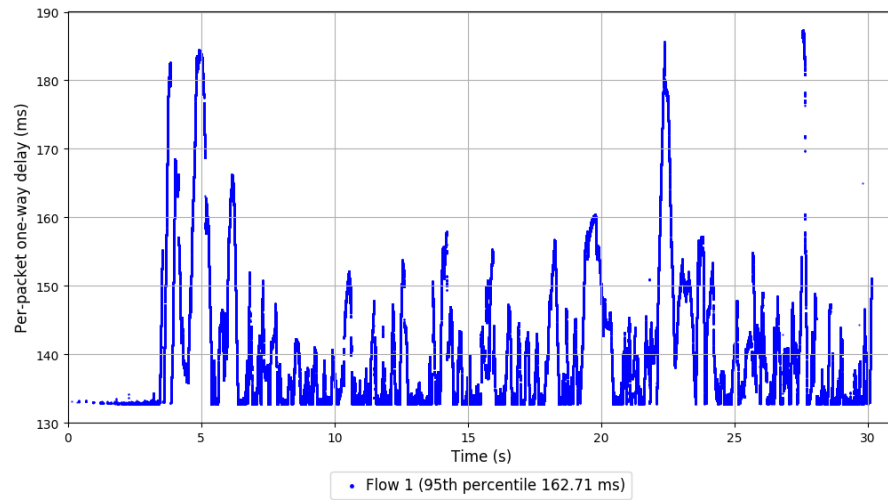
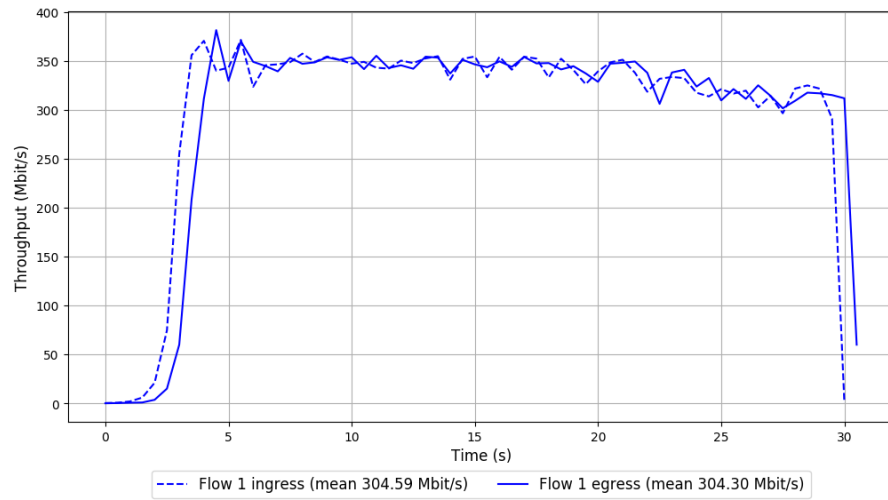


Run 2: Statistics of Copa

Start at: 2019-03-09 06:55:48
End at: 2019-03-09 06:56:18
Local clock offset: -0.202 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-03-09 09:21:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.30 Mbit/s
95th percentile per-packet one-way delay: 162.713 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 304.30 Mbit/s
95th percentile per-packet one-way delay: 162.713 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

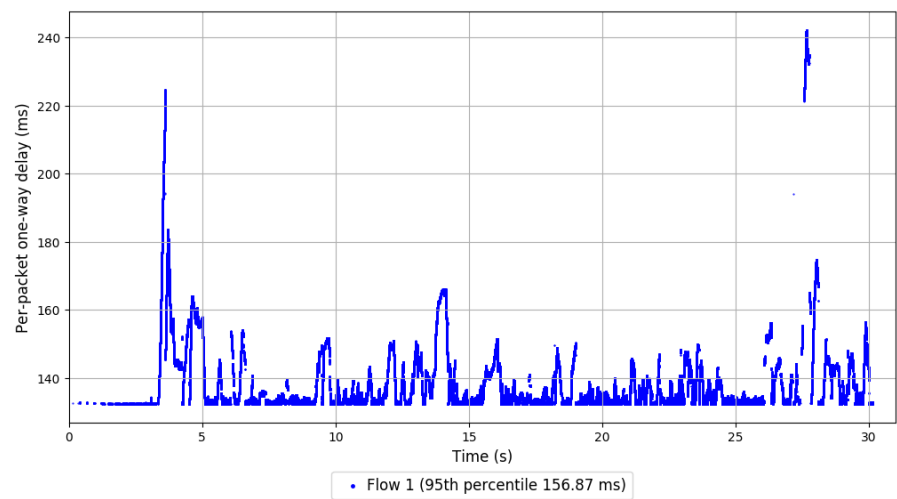
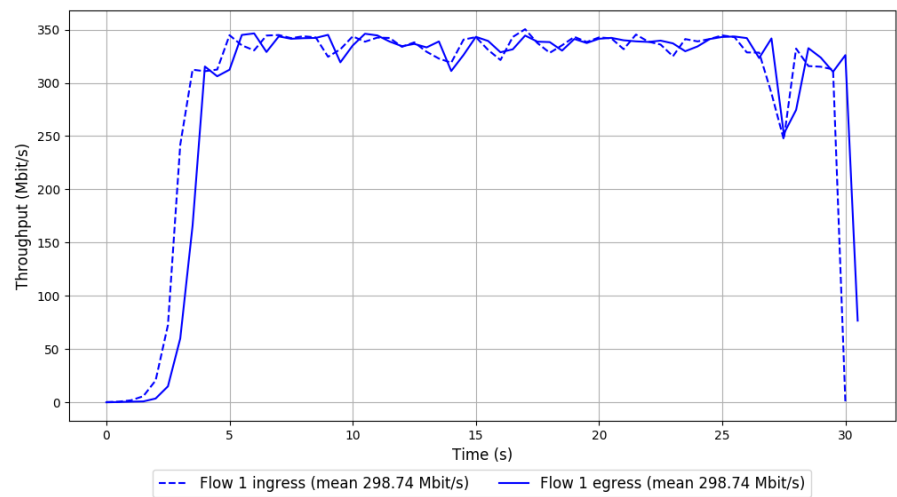


Run 3: Statistics of Copa

Start at: 2019-03-09 07:29:51
End at: 2019-03-09 07:30:21
Local clock offset: 0.271 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-03-09 09:21:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.74 Mbit/s
95th percentile per-packet one-way delay: 156.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 298.74 Mbit/s
95th percentile per-packet one-way delay: 156.866 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

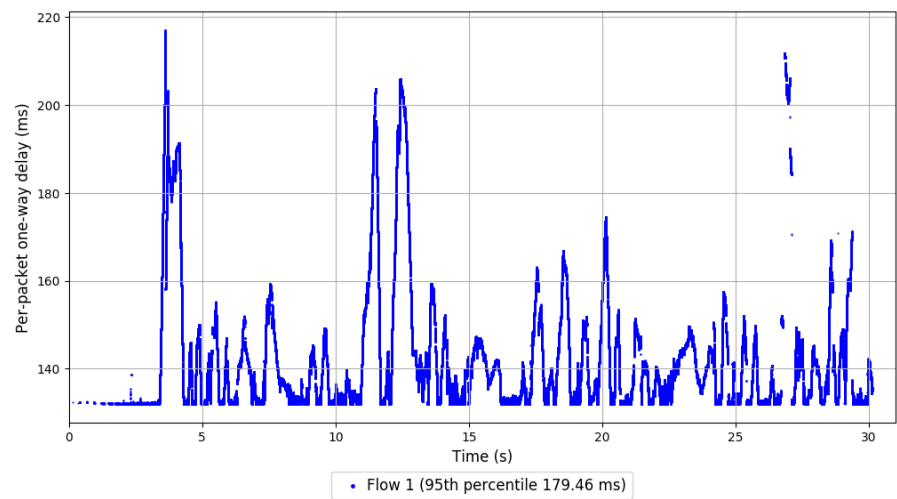
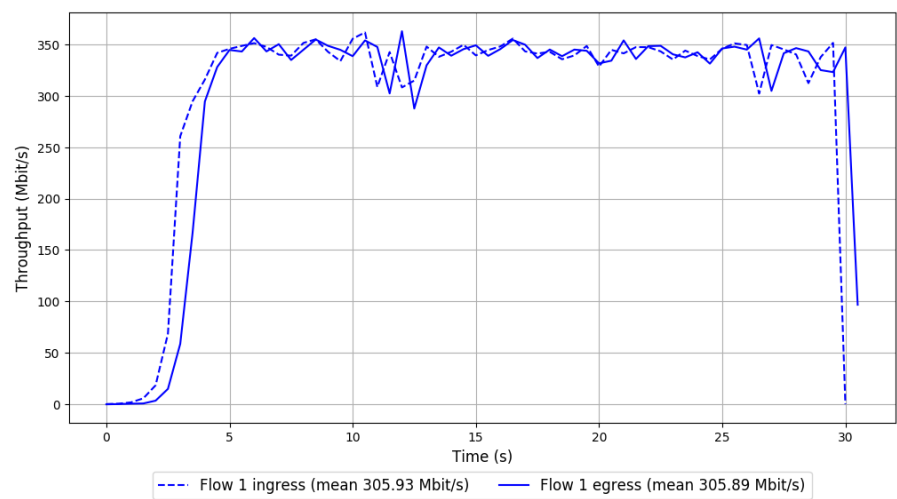


Run 4: Statistics of Copa

Start at: 2019-03-09 08:05:52
End at: 2019-03-09 08:06:22
Local clock offset: 0.303 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.89 Mbit/s
95th percentile per-packet one-way delay: 179.464 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 305.89 Mbit/s
95th percentile per-packet one-way delay: 179.464 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

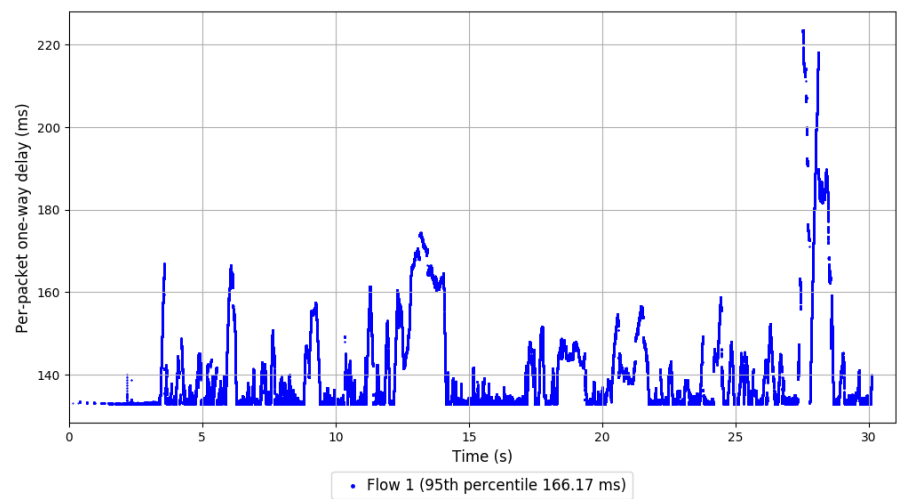
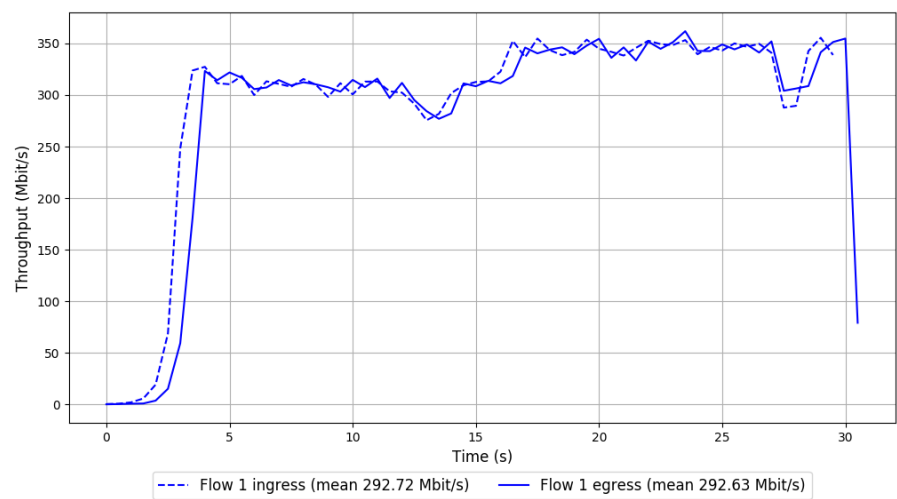


Run 5: Statistics of Copa

Start at: 2019-03-09 08:40:39
End at: 2019-03-09 08:41:09
Local clock offset: -0.08 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 292.63 Mbit/s
95th percentile per-packet one-way delay: 166.172 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 292.63 Mbit/s
95th percentile per-packet one-way delay: 166.172 ms
Loss rate: 0.03%

Run 5: Report of Copa — Data Link

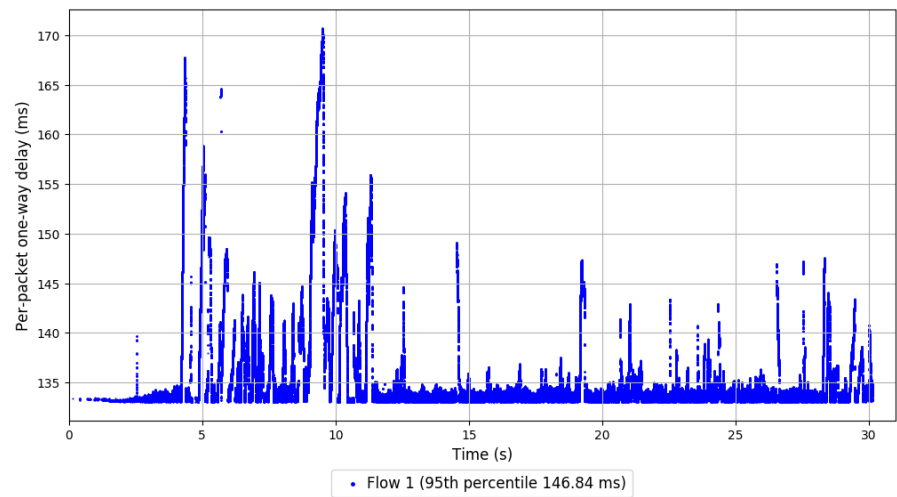
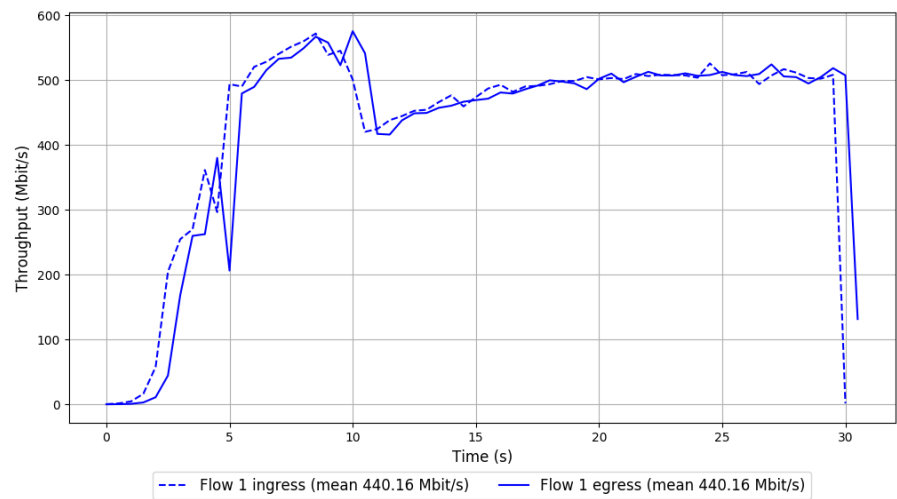


Run 1: Statistics of TCP Cubic

Start at: 2019-03-09 06:26:09
End at: 2019-03-09 06:26:39
Local clock offset: -0.338 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 440.16 Mbit/s
95th percentile per-packet one-way delay: 146.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 440.16 Mbit/s
95th percentile per-packet one-way delay: 146.841 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

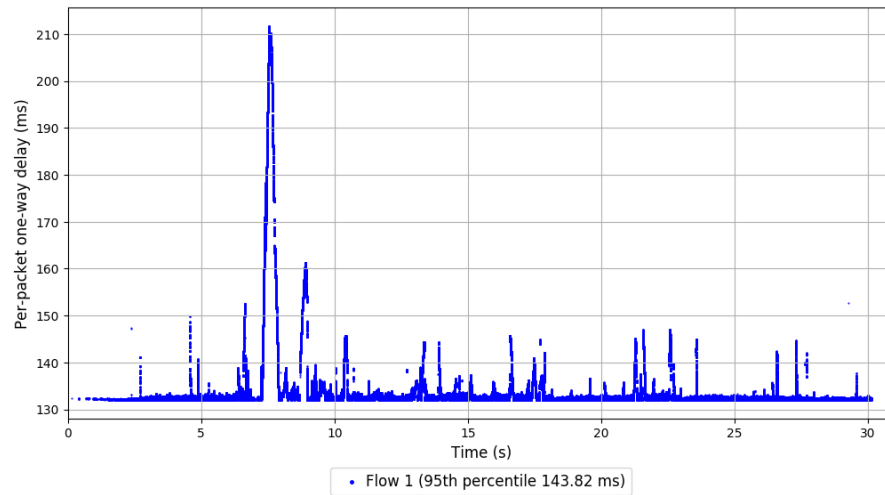
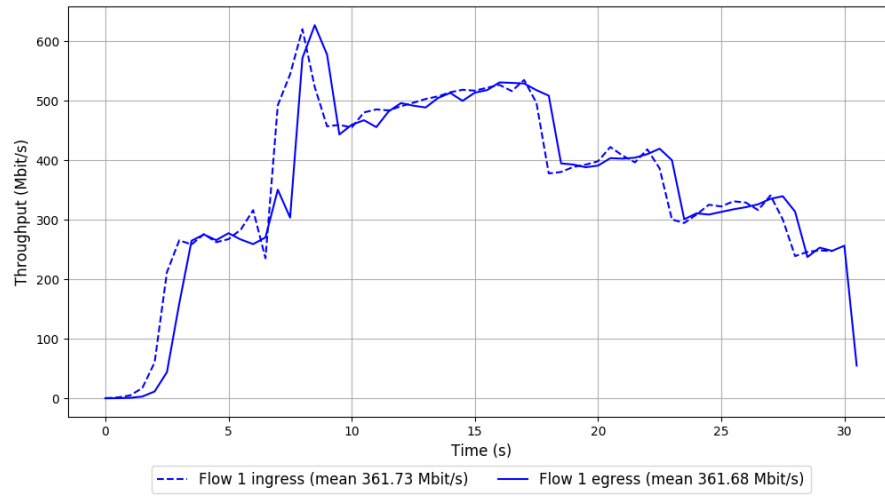


Run 2: Statistics of TCP Cubic

Start at: 2019-03-09 07:00:57
End at: 2019-03-09 07:01:27
Local clock offset: -0.172 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.68 Mbit/s
95th percentile per-packet one-way delay: 143.825 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 361.68 Mbit/s
95th percentile per-packet one-way delay: 143.825 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

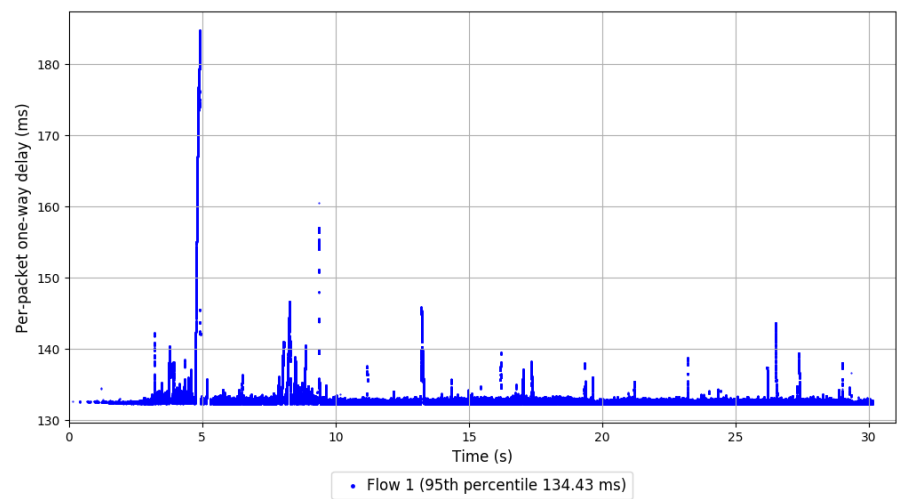
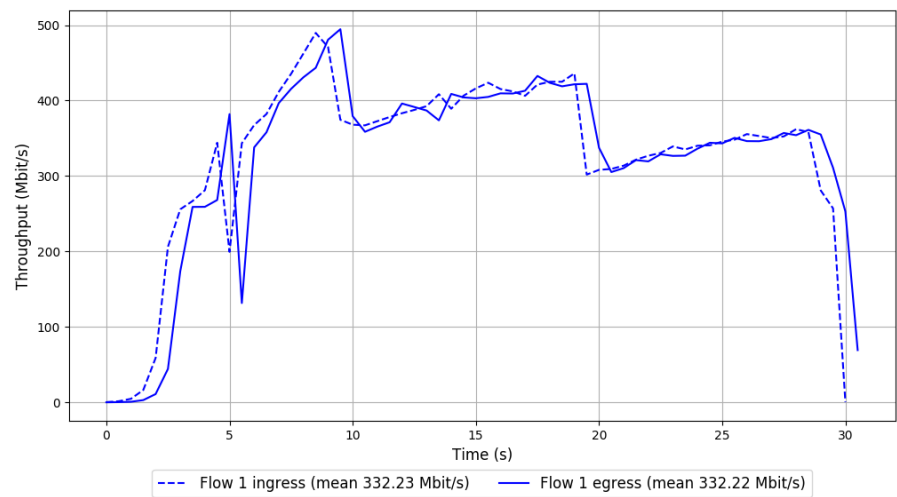


Run 3: Statistics of TCP Cubic

Start at: 2019-03-09 07:34:30
End at: 2019-03-09 07:35:00
Local clock offset: 0.238 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.22 Mbit/s
95th percentile per-packet one-way delay: 134.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 332.22 Mbit/s
95th percentile per-packet one-way delay: 134.429 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

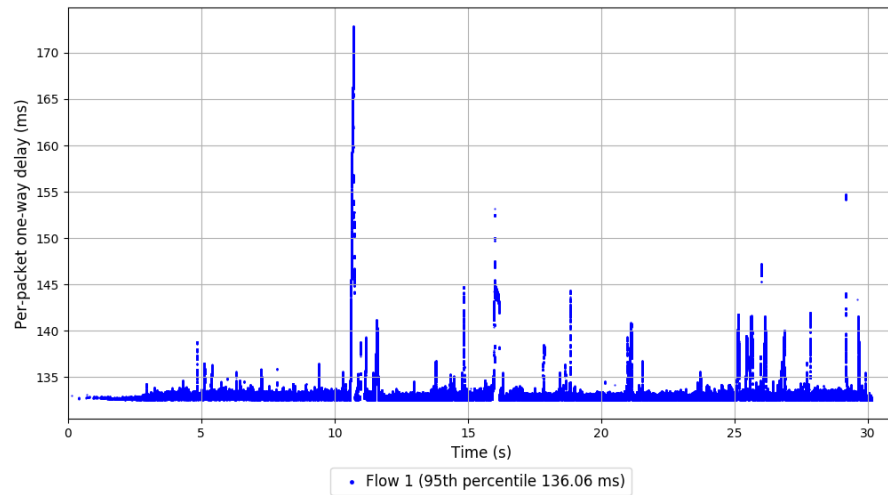
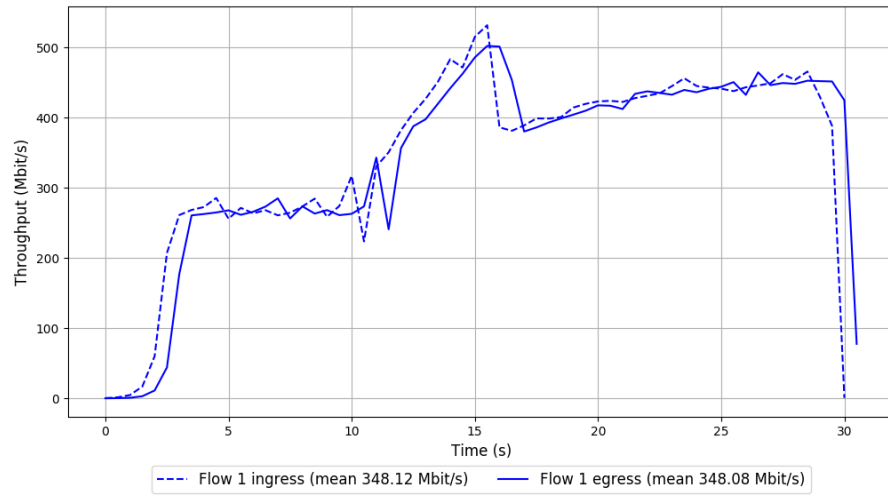


Run 4: Statistics of TCP Cubic

Start at: 2019-03-09 08:10:19
End at: 2019-03-09 08:10:49
Local clock offset: 0.199 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.08 Mbit/s
95th percentile per-packet one-way delay: 136.063 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 348.08 Mbit/s
95th percentile per-packet one-way delay: 136.063 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

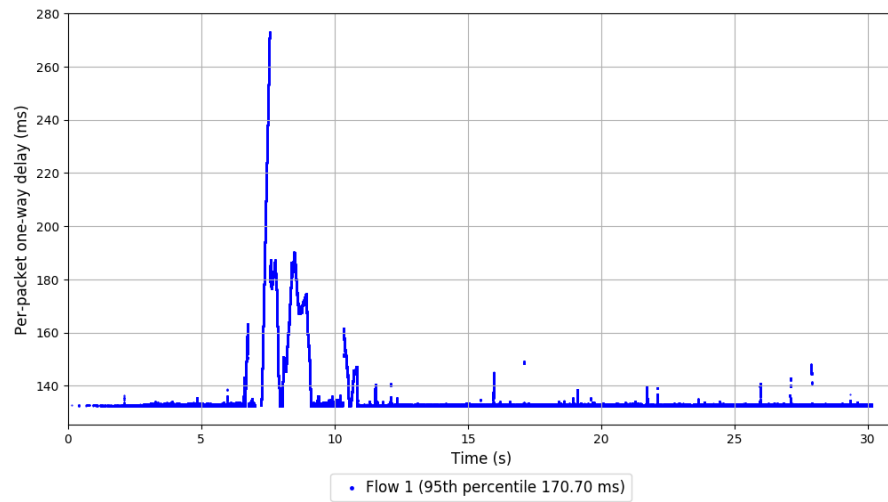
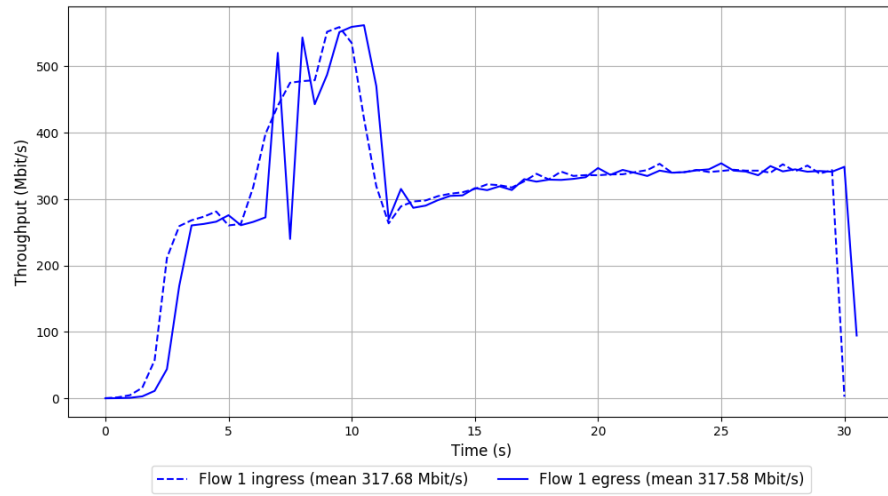


Run 5: Statistics of TCP Cubic

Start at: 2019-03-09 08:45:58
End at: 2019-03-09 08:46:28
Local clock offset: -0.078 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-03-09 09:28:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.58 Mbit/s
95th percentile per-packet one-way delay: 170.696 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 317.58 Mbit/s
95th percentile per-packet one-way delay: 170.696 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link

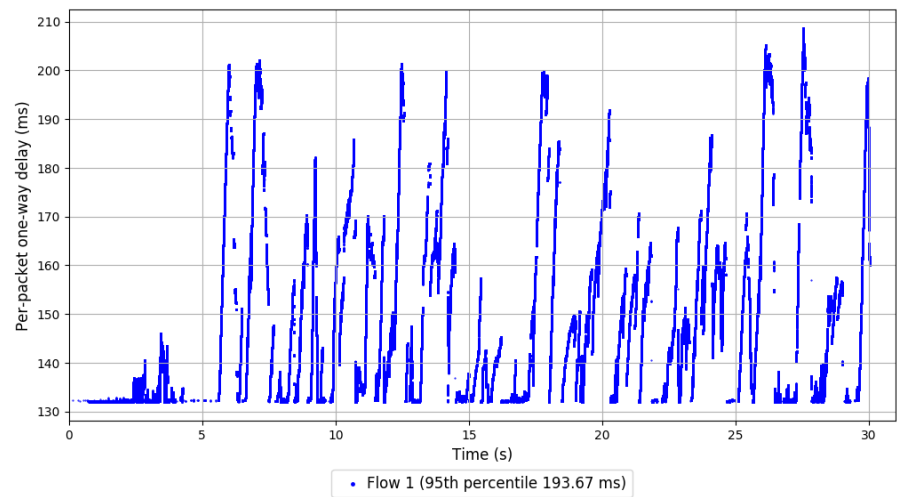
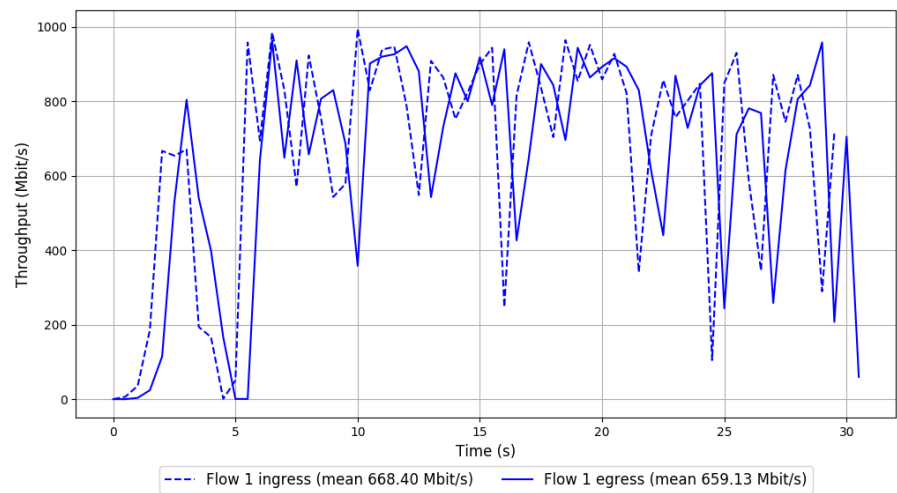


Run 1: Statistics of FillP

Start at: 2019-03-09 06:34:06
End at: 2019-03-09 06:34:36
Local clock offset: -0.071 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-03-09 09:34:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 659.13 Mbit/s
95th percentile per-packet one-way delay: 193.673 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 659.13 Mbit/s
95th percentile per-packet one-way delay: 193.673 ms
Loss rate: 1.38%

Run 1: Report of FillP — Data Link

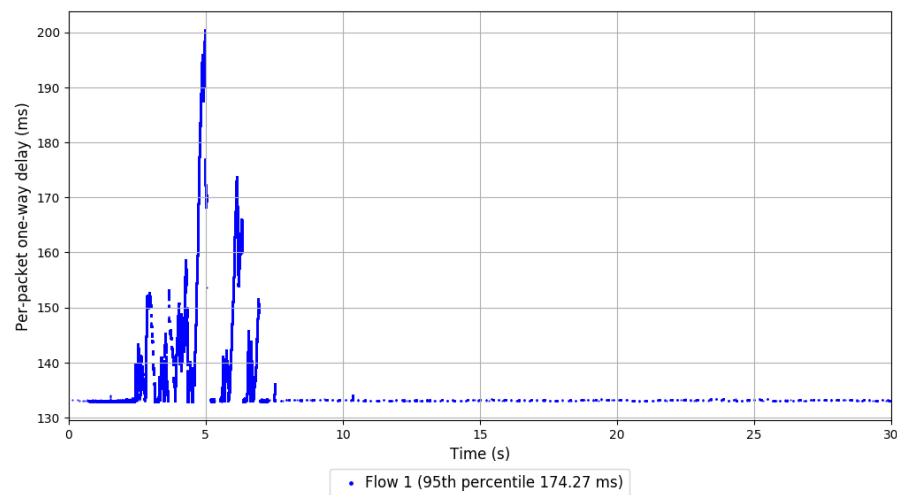
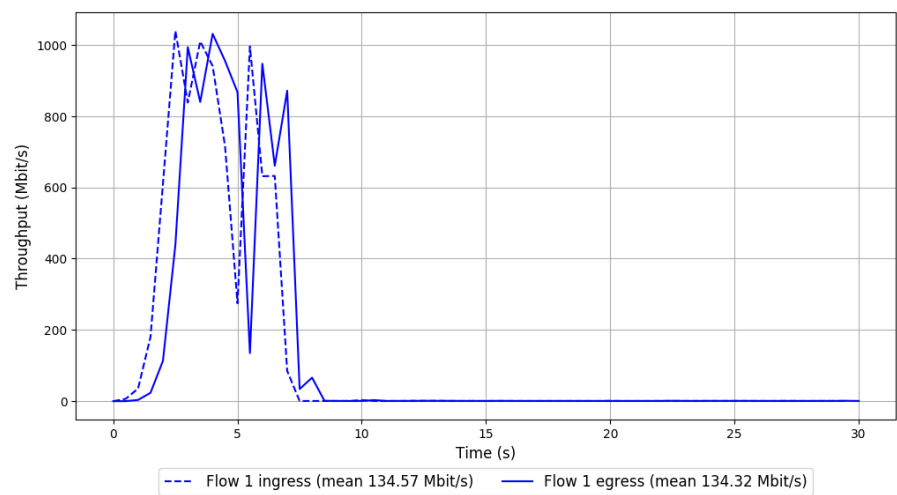


Run 2: Statistics of FillP

Start at: 2019-03-09 07:08:46
End at: 2019-03-09 07:09:16
Local clock offset: -0.372 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-03-09 09:34:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.32 Mbit/s
95th percentile per-packet one-way delay: 174.269 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 134.32 Mbit/s
95th percentile per-packet one-way delay: 174.269 ms
Loss rate: 0.19%

Run 2: Report of FillP — Data Link

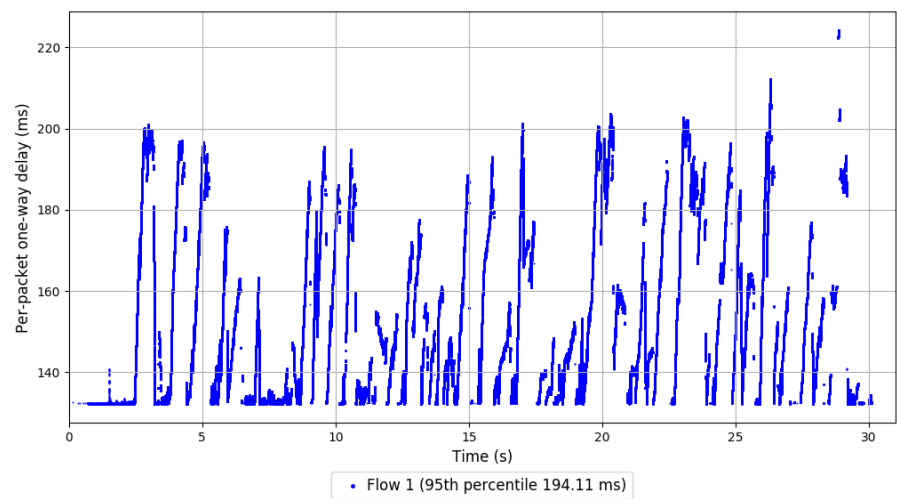
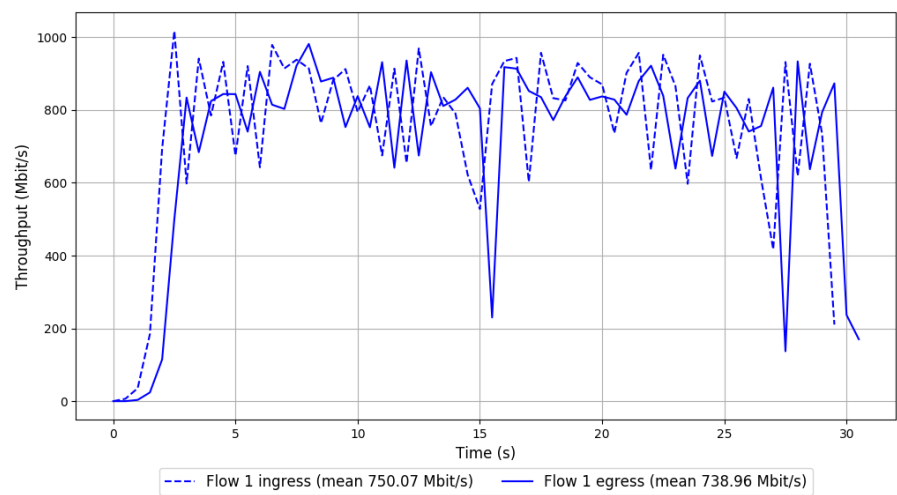


Run 3: Statistics of FillP

Start at: 2019-03-09 07:42:33
End at: 2019-03-09 07:43:03
Local clock offset: -0.225 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2019-03-09 09:42:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 738.96 Mbit/s
95th percentile per-packet one-way delay: 194.107 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 738.96 Mbit/s
95th percentile per-packet one-way delay: 194.107 ms
Loss rate: 1.48%

Run 3: Report of FillP — Data Link

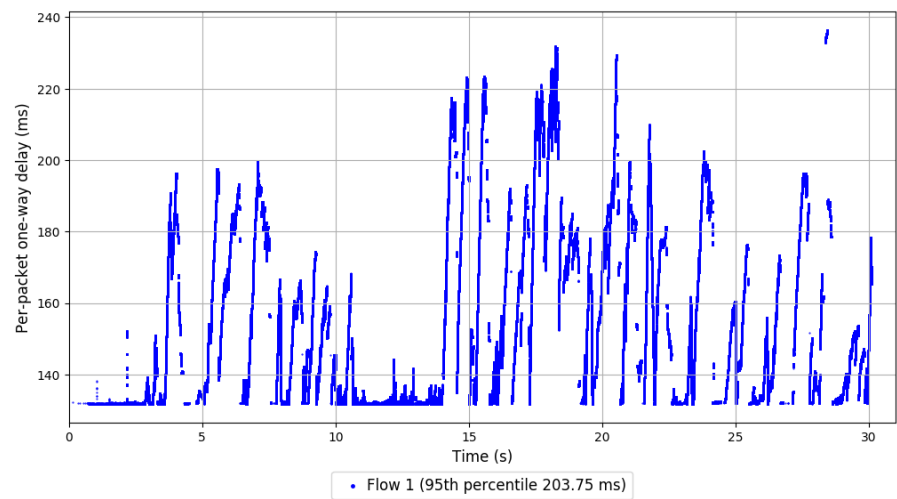
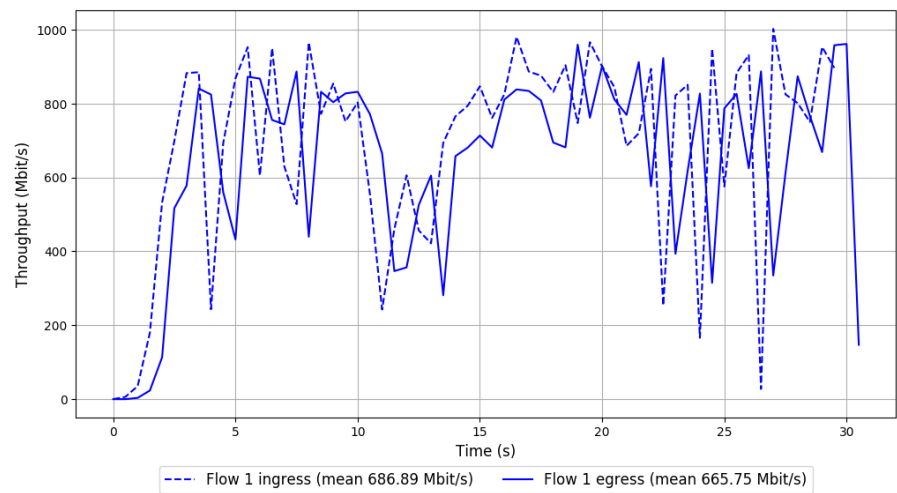


Run 4: Statistics of FillP

Start at: 2019-03-09 08:17:43
End at: 2019-03-09 08:18:13
Local clock offset: 0.183 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-03-09 09:42:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 665.75 Mbit/s
95th percentile per-packet one-way delay: 203.753 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 665.75 Mbit/s
95th percentile per-packet one-way delay: 203.753 ms
Loss rate: 3.07%

Run 4: Report of FillP — Data Link

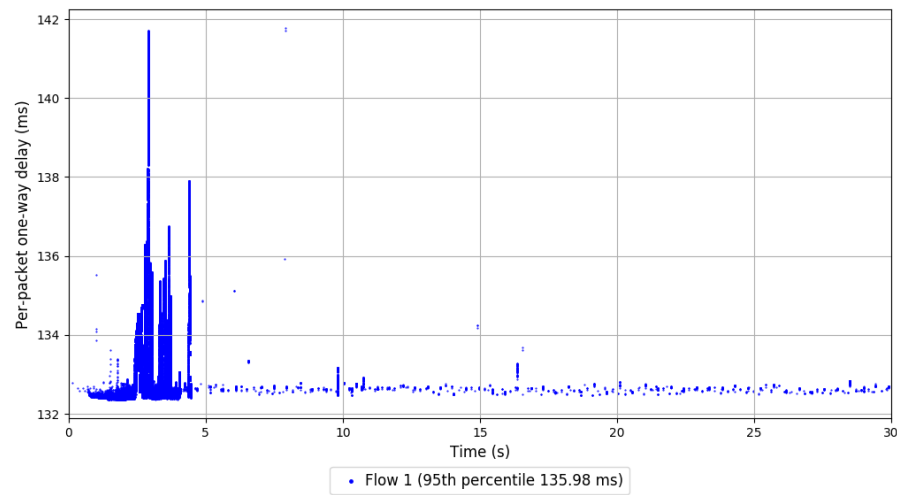
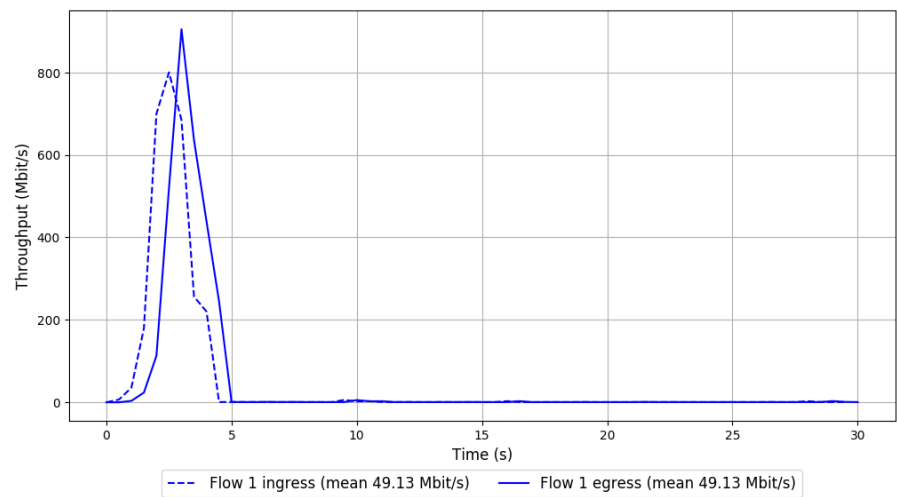


Run 5: Statistics of FillP

Start at: 2019-03-09 08:53:39
End at: 2019-03-09 08:54:09
Local clock offset: 0.296 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-03-09 09:42:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 135.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 135.982 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-09 06:11:23

End at: 2019-03-09 06:11:54

Local clock offset: -0.091 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-03-09 09:42:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.95 Mbit/s

95th percentile per-packet one-way delay: 187.593 ms

Loss rate: 0.42%

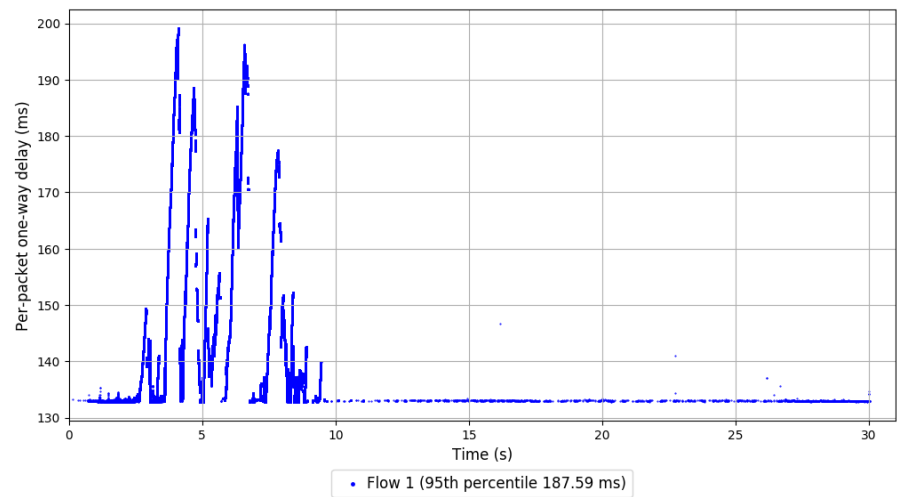
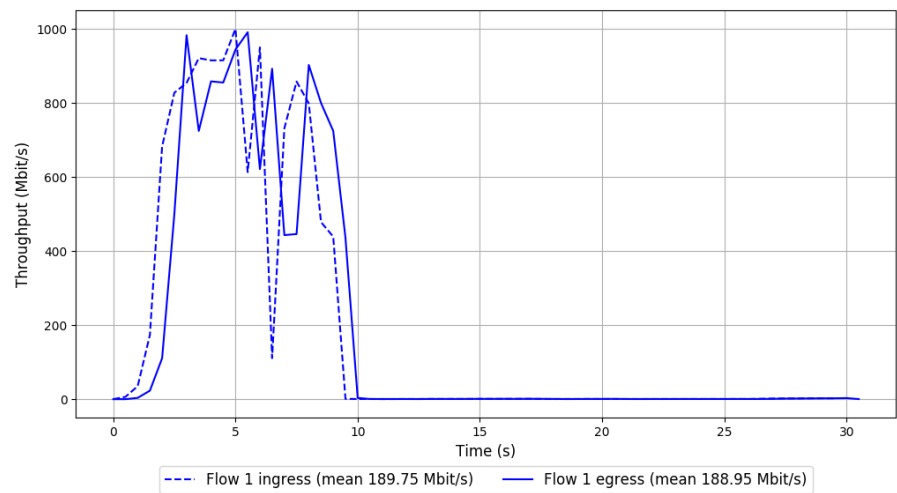
-- Flow 1:

Average throughput: 188.95 Mbit/s

95th percentile per-packet one-way delay: 187.593 ms

Loss rate: 0.42%

Run 1: Report of FillP-Sheep — Data Link

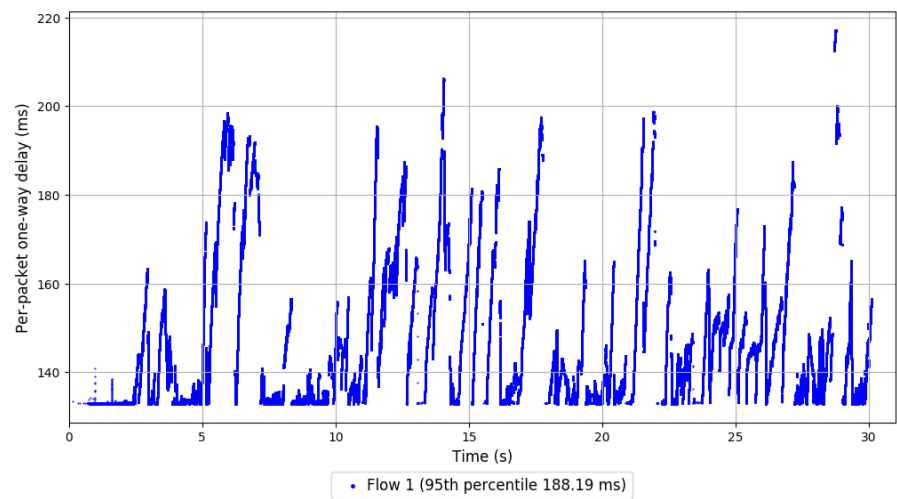
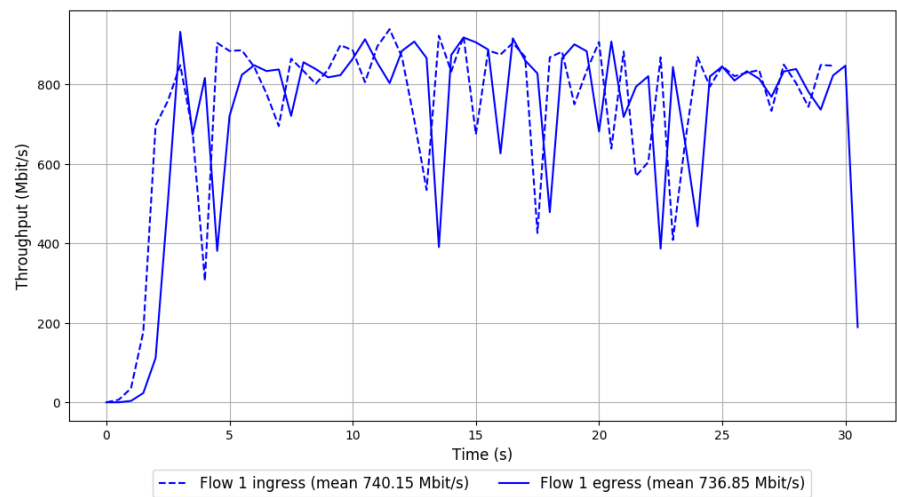


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-09 06:45:30
End at: 2019-03-09 06:46:00
Local clock offset: -0.148 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-03-09 09:44:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 736.85 Mbit/s
95th percentile per-packet one-way delay: 188.191 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 736.85 Mbit/s
95th percentile per-packet one-way delay: 188.191 ms
Loss rate: 0.45%

Run 2: Report of FillP-Sheep — Data Link

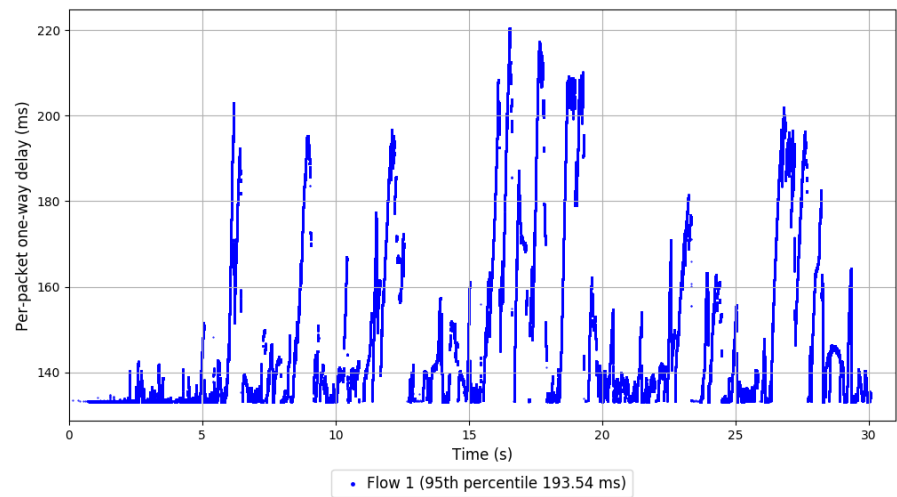
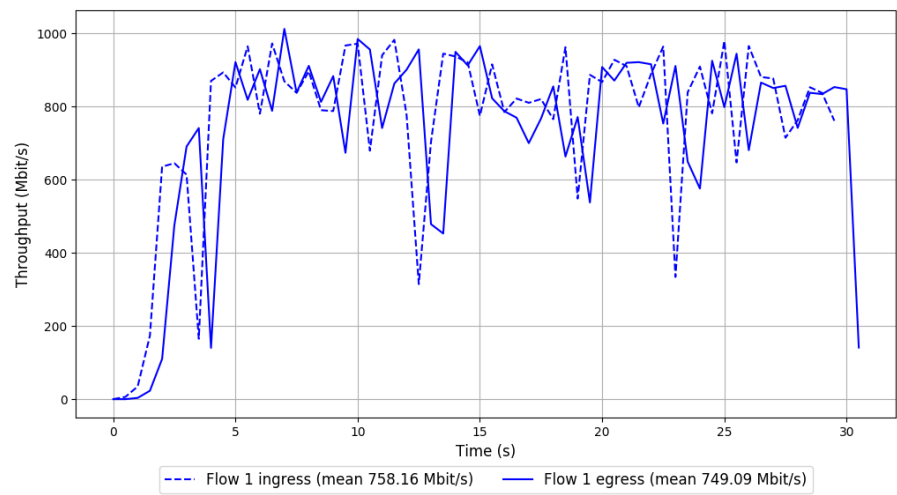


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-09 07:19:49
End at: 2019-03-09 07:20:19
Local clock offset: -0.115 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-03-09 09:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 749.09 Mbit/s
95th percentile per-packet one-way delay: 193.537 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 749.09 Mbit/s
95th percentile per-packet one-way delay: 193.537 ms
Loss rate: 1.37%

Run 3: Report of FillP-Sheep — Data Link

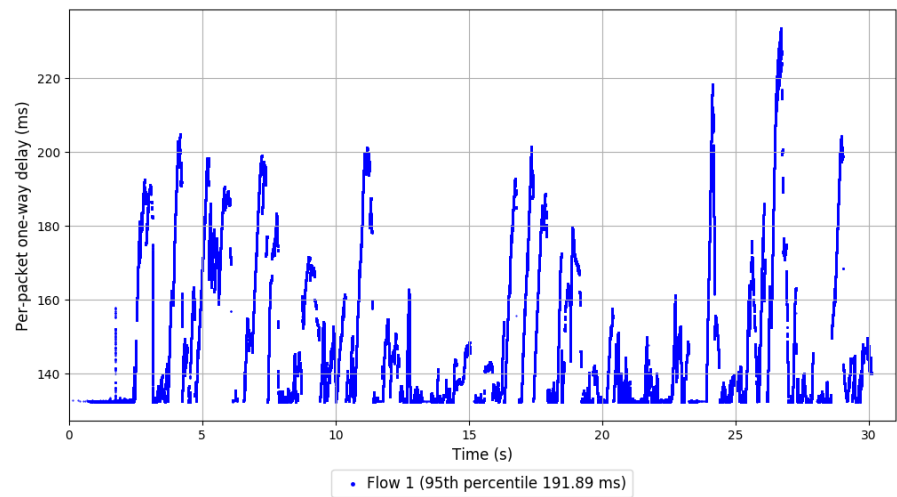
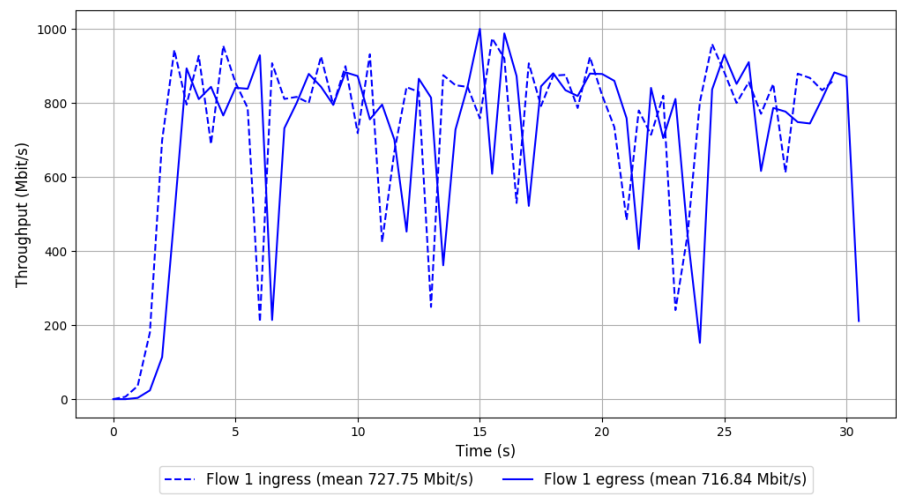


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-09 07:55:18
End at: 2019-03-09 07:55:48
Local clock offset: 0.3 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2019-03-09 09:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 716.84 Mbit/s
95th percentile per-packet one-way delay: 191.889 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 716.84 Mbit/s
95th percentile per-packet one-way delay: 191.889 ms
Loss rate: 1.50%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-03-09 08:30:17

End at: 2019-03-09 08:30:47

Local clock offset: -0.52 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-03-09 09:45:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 690.96 Mbit/s

95th percentile per-packet one-way delay: 180.260 ms

Loss rate: 0.72%

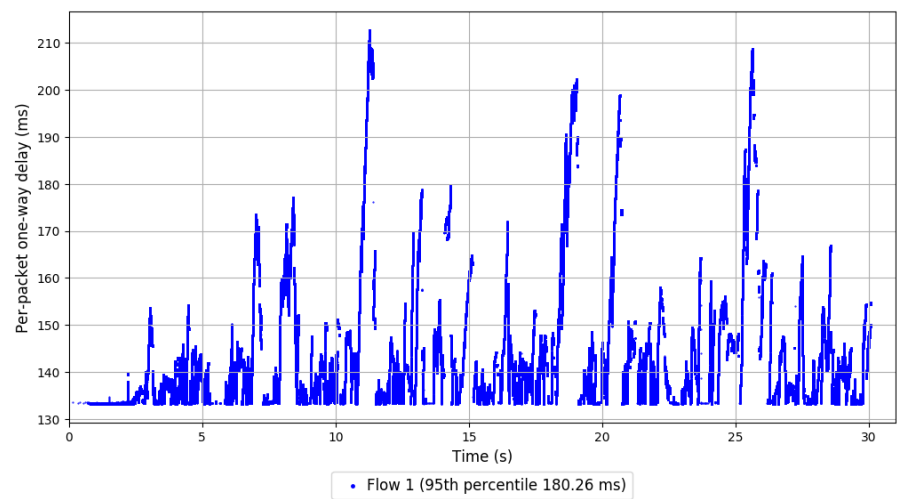
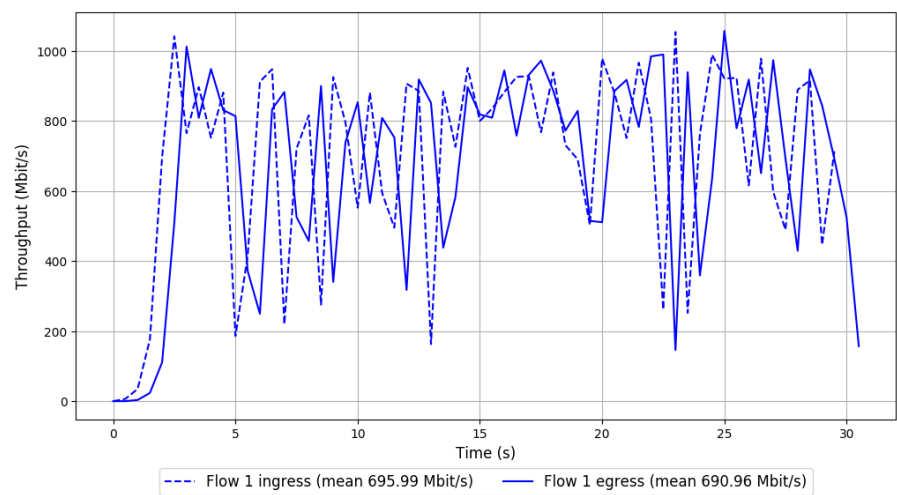
-- Flow 1:

Average throughput: 690.96 Mbit/s

95th percentile per-packet one-way delay: 180.260 ms

Loss rate: 0.72%

Run 5: Report of FillP-Sheep — Data Link

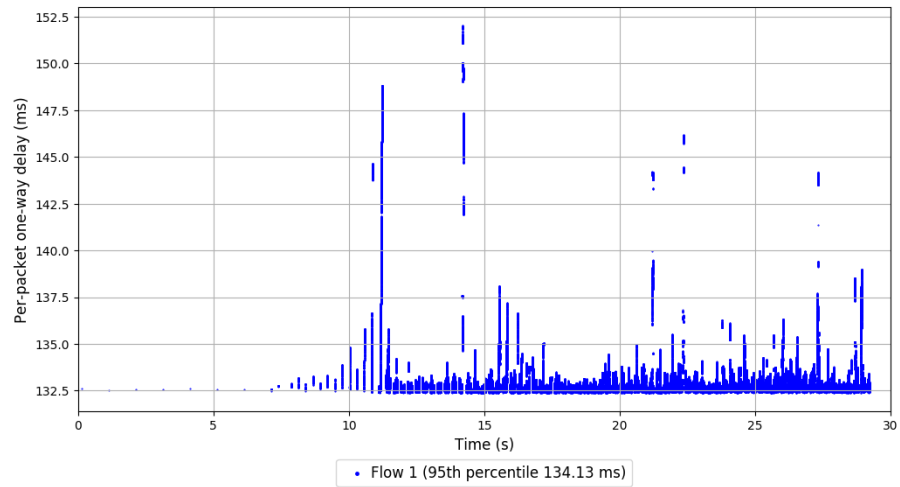
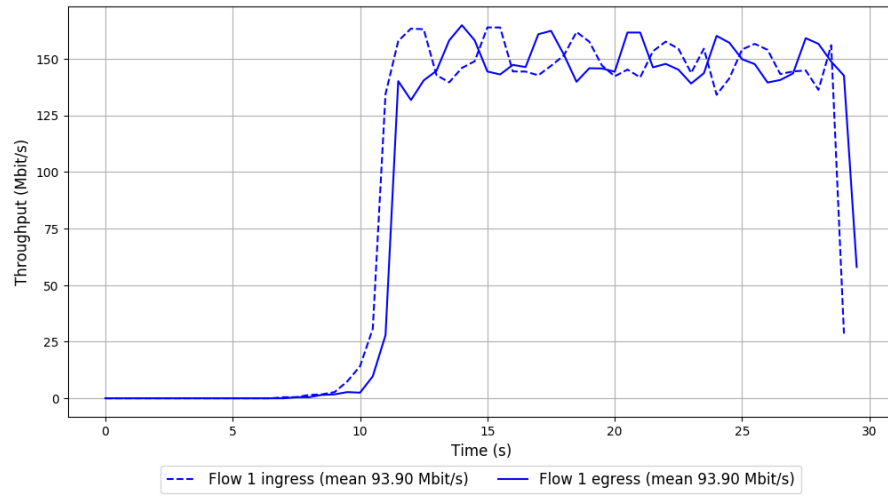


Run 1: Statistics of Indigo

Start at: 2019-03-09 06:12:51
End at: 2019-03-09 06:13:22
Local clock offset: -0.048 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2019-03-09 09:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 134.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 134.133 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

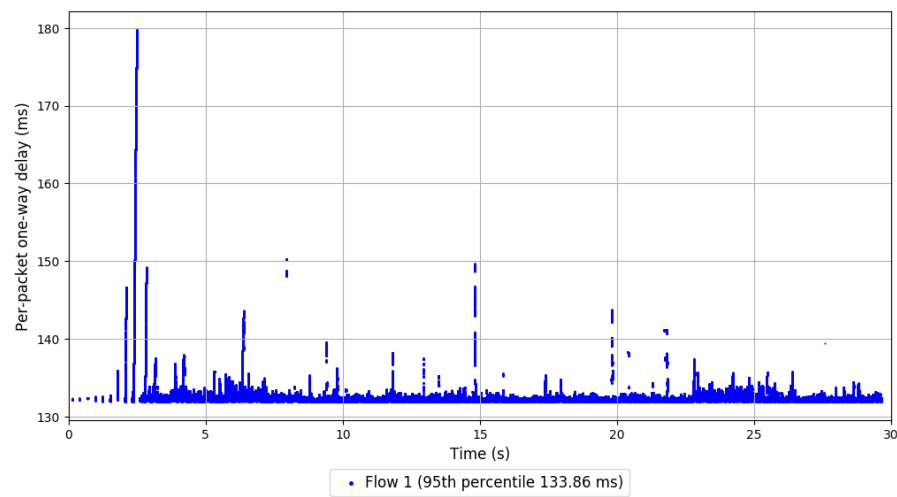
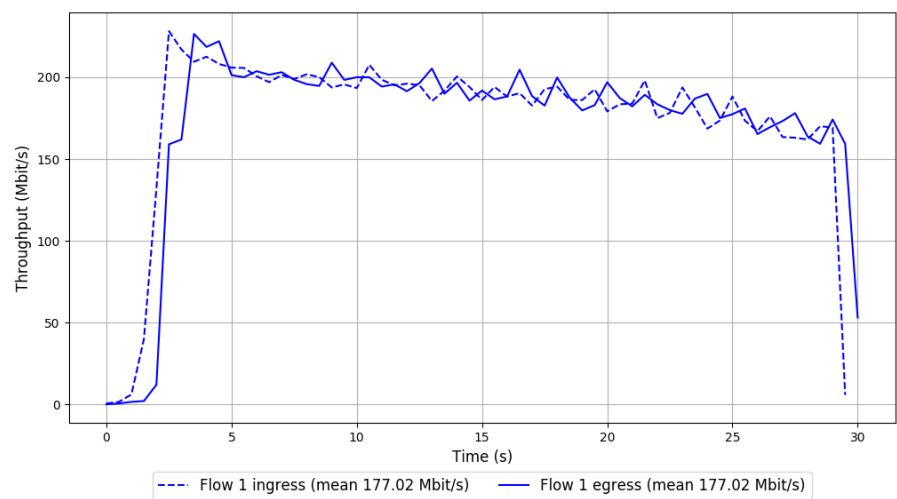


Run 2: Statistics of Indigo

Start at: 2019-03-09 06:47:41
End at: 2019-03-09 06:48:11
Local clock offset: -0.147 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-03-09 09:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.02 Mbit/s
95th percentile per-packet one-way delay: 133.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.02 Mbit/s
95th percentile per-packet one-way delay: 133.863 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

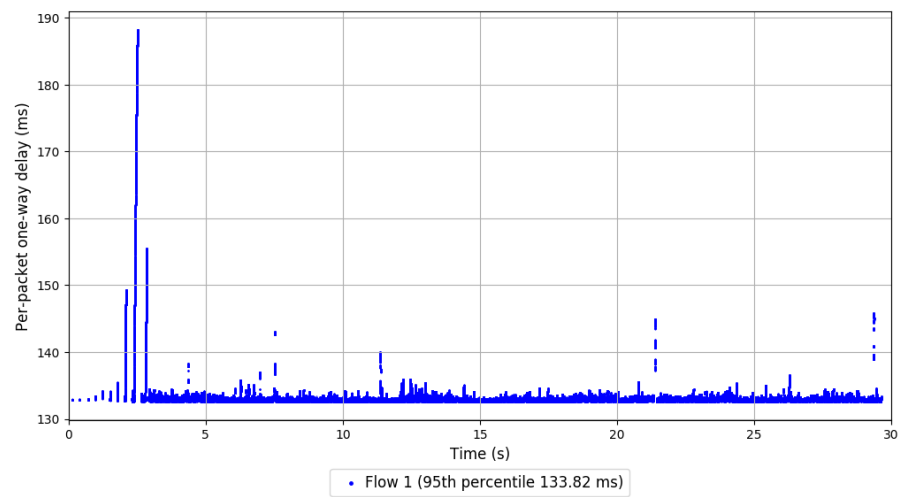
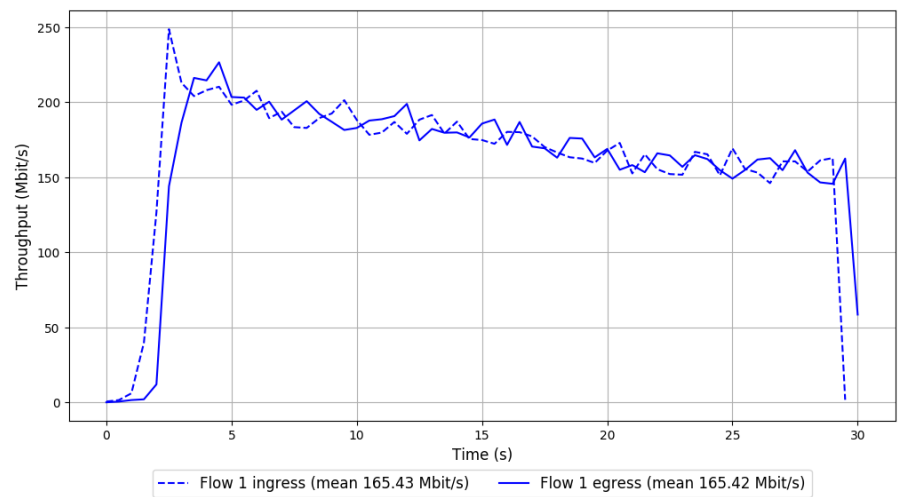


Run 3: Statistics of Indigo

Start at: 2019-03-09 07:21:52
End at: 2019-03-09 07:22:22
Local clock offset: -0.364 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2019-03-09 09:45:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.42 Mbit/s
95th percentile per-packet one-way delay: 133.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.42 Mbit/s
95th percentile per-packet one-way delay: 133.823 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

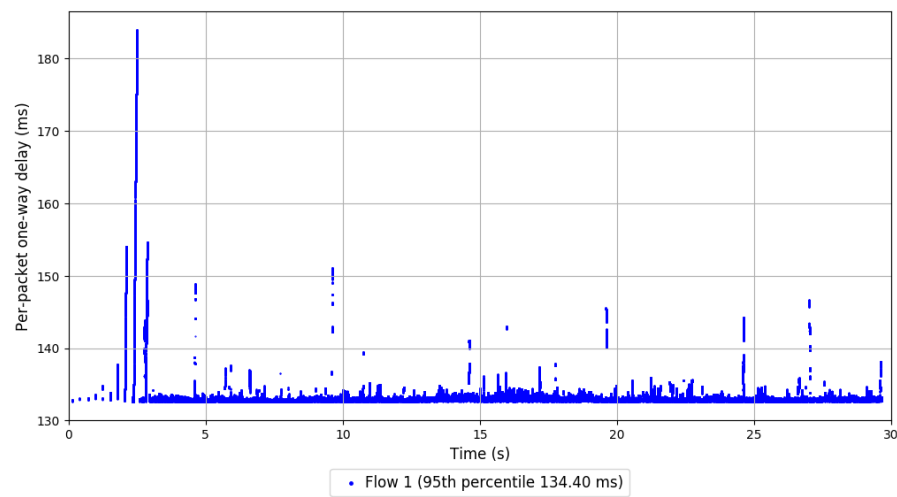
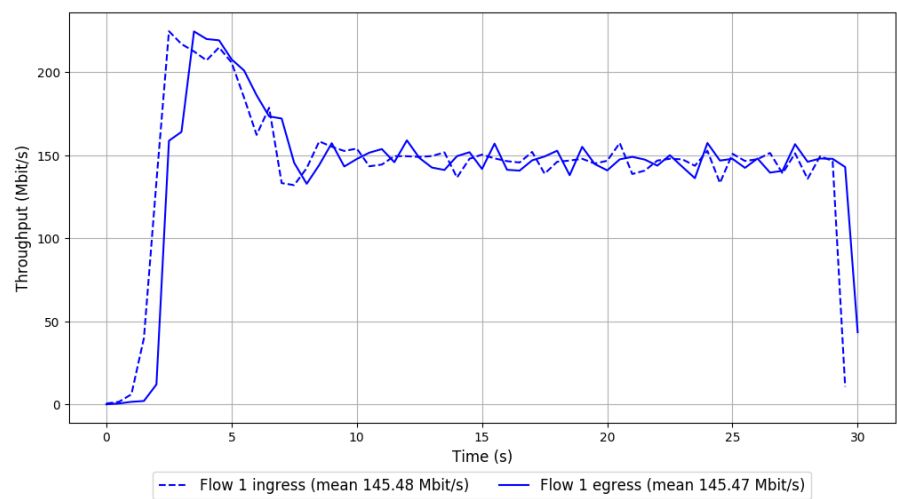


Run 4: Statistics of Indigo

Start at: 2019-03-09 07:57:37
End at: 2019-03-09 07:58:07
Local clock offset: -0.262 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2019-03-09 09:46:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.47 Mbit/s
95th percentile per-packet one-way delay: 134.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.47 Mbit/s
95th percentile per-packet one-way delay: 134.400 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

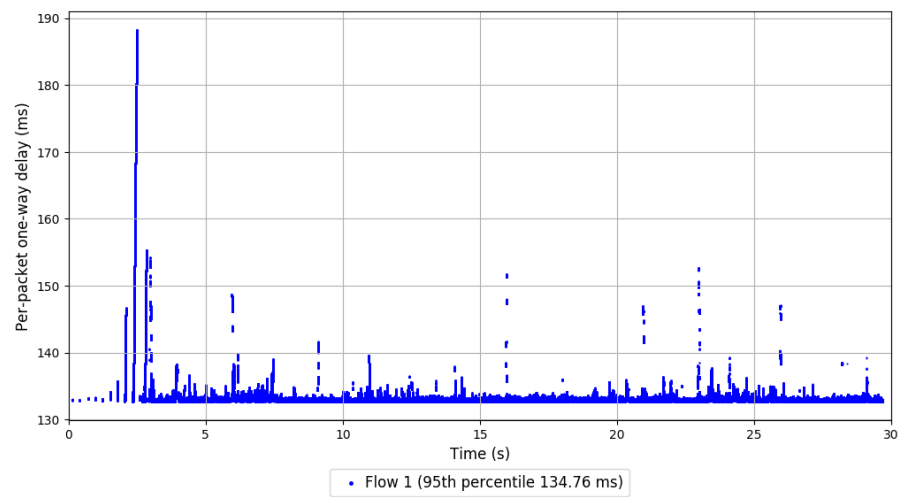
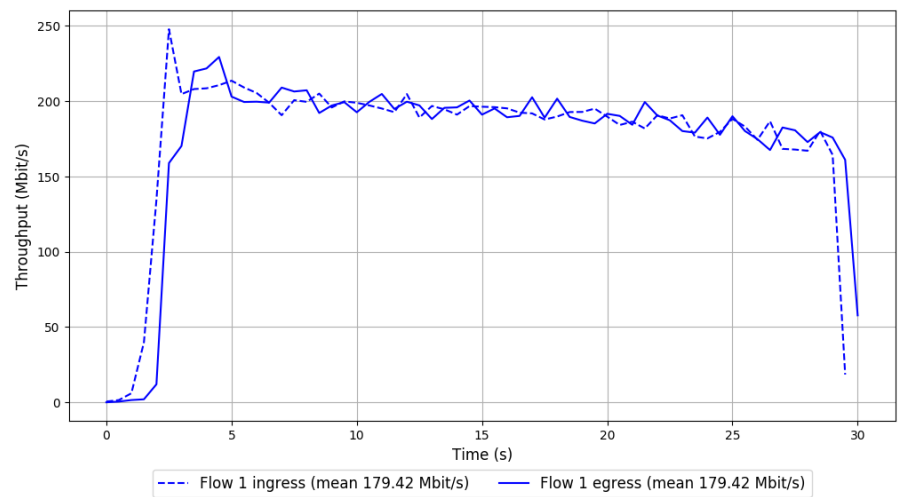


Run 5: Statistics of Indigo

Start at: 2019-03-09 08:32:20
End at: 2019-03-09 08:32:50
Local clock offset: -0.092 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-03-09 09:47:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.42 Mbit/s
95th percentile per-packet one-way delay: 134.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.42 Mbit/s
95th percentile per-packet one-way delay: 134.757 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

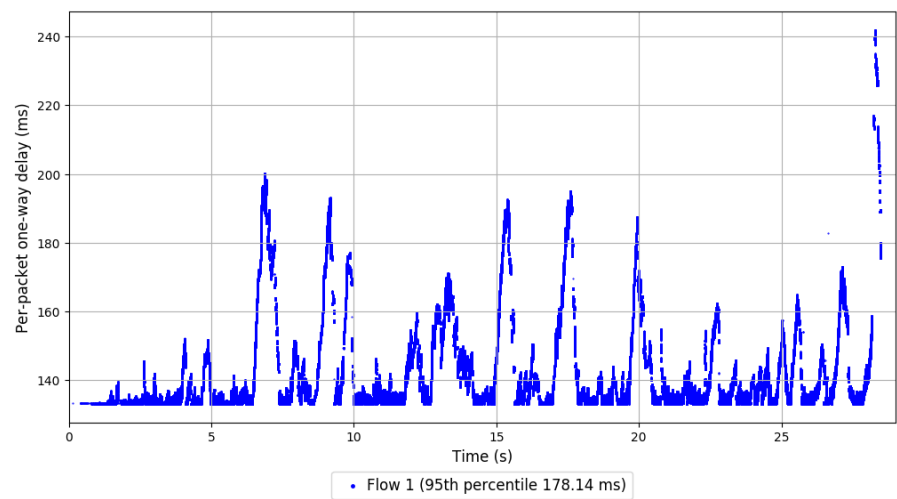
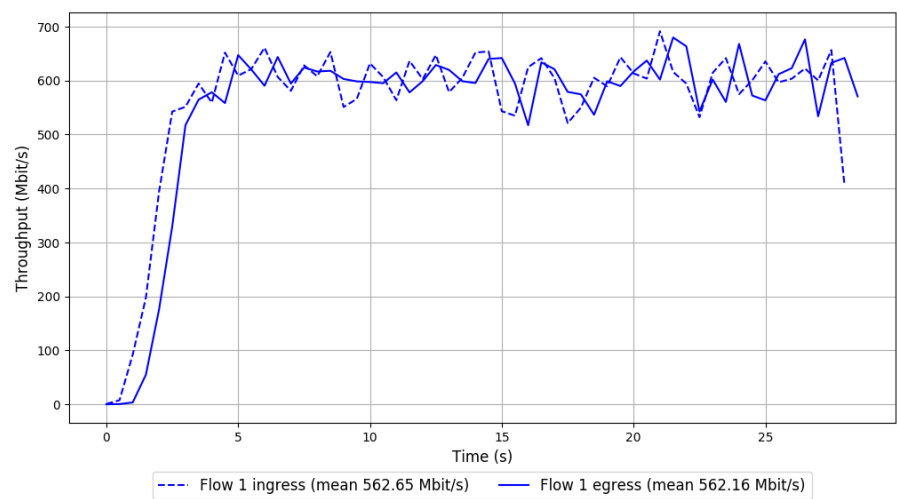


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-09 06:36:02
End at: 2019-03-09 06:36:32
Local clock offset: -0.347 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-03-09 09:52:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 562.16 Mbit/s
95th percentile per-packet one-way delay: 178.144 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 562.16 Mbit/s
95th percentile per-packet one-way delay: 178.144 ms
Loss rate: 0.07%

Run 1: Report of Indigo-MusesC3 — Data Link

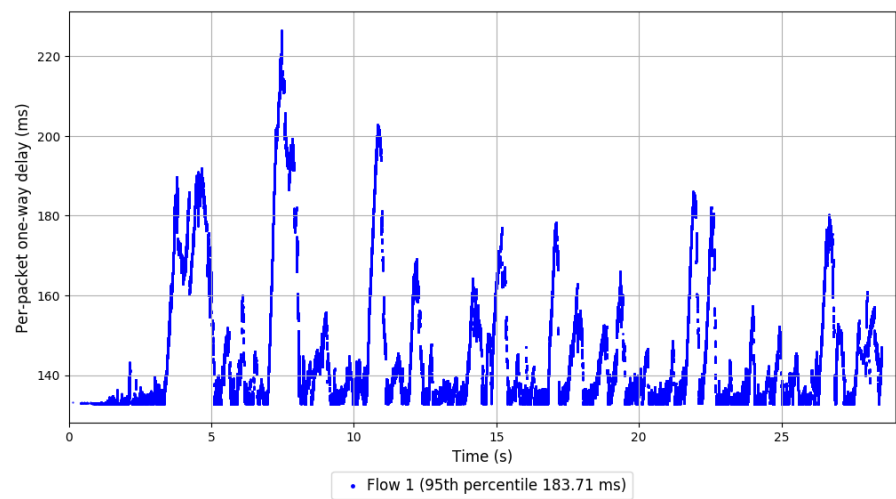
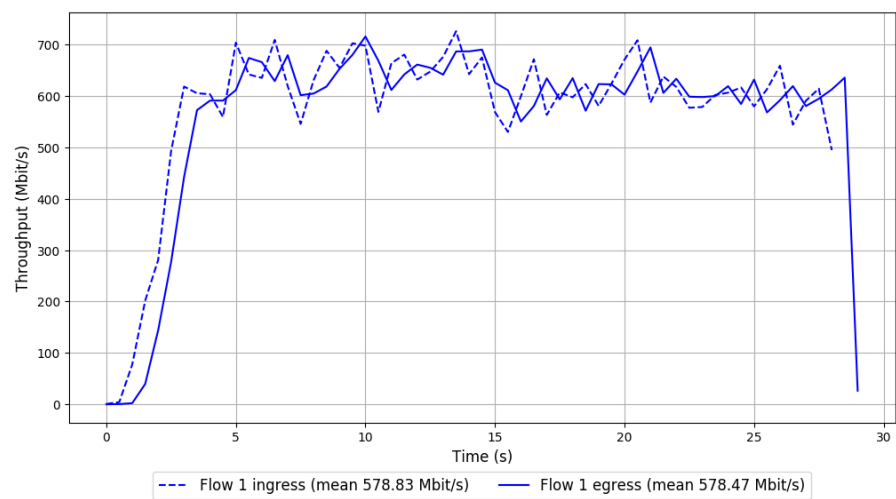


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-09 07:10:06
End at: 2019-03-09 07:10:36
Local clock offset: -0.546 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-03-09 09:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.47 Mbit/s
95th percentile per-packet one-way delay: 183.705 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 578.47 Mbit/s
95th percentile per-packet one-way delay: 183.705 ms
Loss rate: 0.06%

Run 2: Report of Indigo-MusesC3 — Data Link

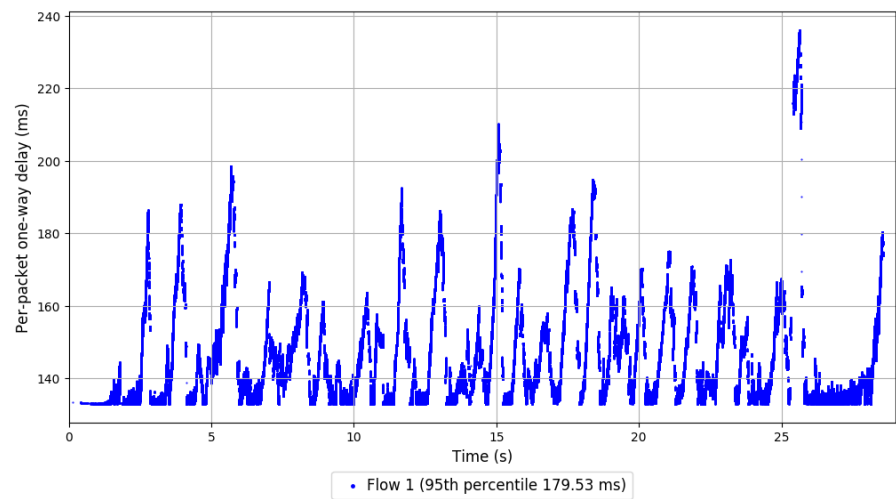
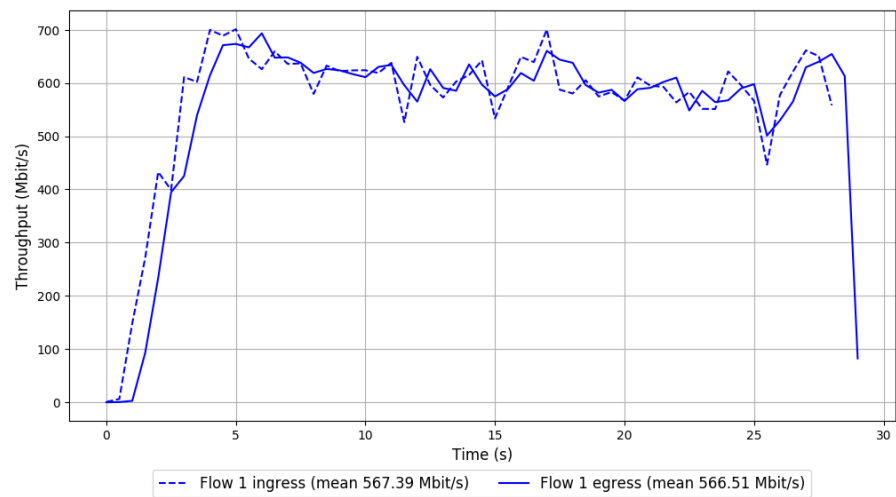


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-09 07:44:36
End at: 2019-03-09 07:45:06
Local clock offset: -0.381 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-03-09 09:54:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.51 Mbit/s
95th percentile per-packet one-way delay: 179.529 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 566.51 Mbit/s
95th percentile per-packet one-way delay: 179.529 ms
Loss rate: 0.15%

Run 3: Report of Indigo-MusesC3 — Data Link

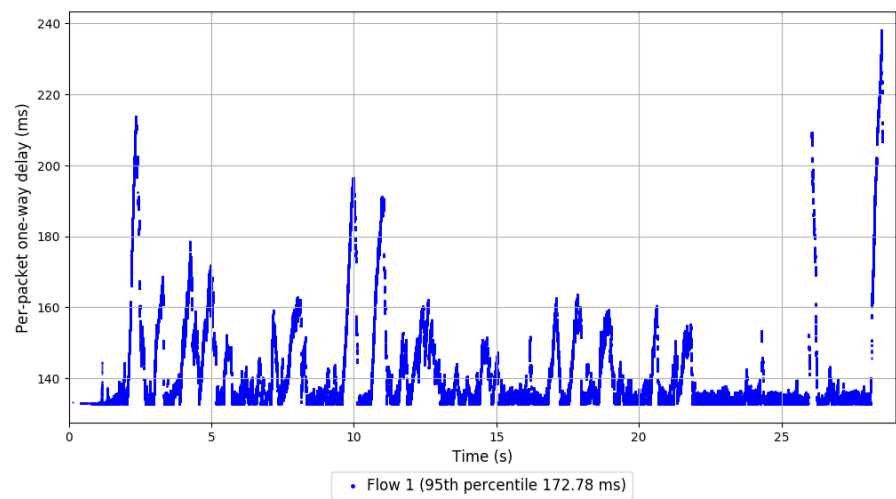
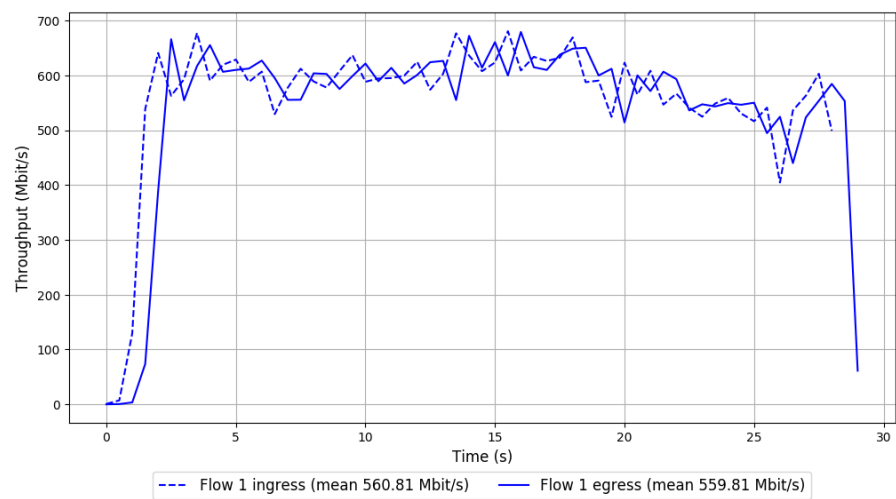


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:19:44
End at: 2019-03-09 08:20:14
Local clock offset: -0.052 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-03-09 09:54:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 559.81 Mbit/s
95th percentile per-packet one-way delay: 172.777 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 559.81 Mbit/s
95th percentile per-packet one-way delay: 172.777 ms
Loss rate: 0.18%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:54:53

End at: 2019-03-09 08:55:23

Local clock offset: 0.321 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-03-09 09:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.85 Mbit/s

95th percentile per-packet one-way delay: 172.958 ms

Loss rate: 0.03%

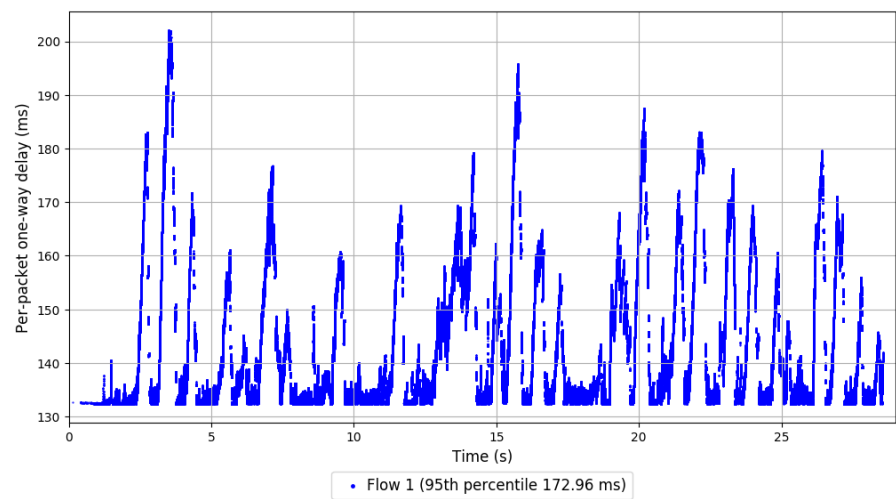
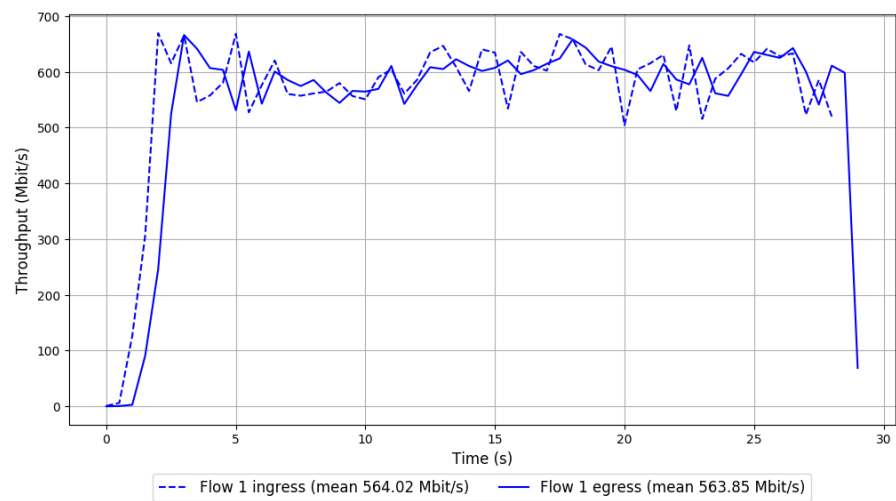
-- Flow 1:

Average throughput: 563.85 Mbit/s

95th percentile per-packet one-way delay: 172.958 ms

Loss rate: 0.03%

Run 5: Report of Indigo-MusesC3 — Data Link

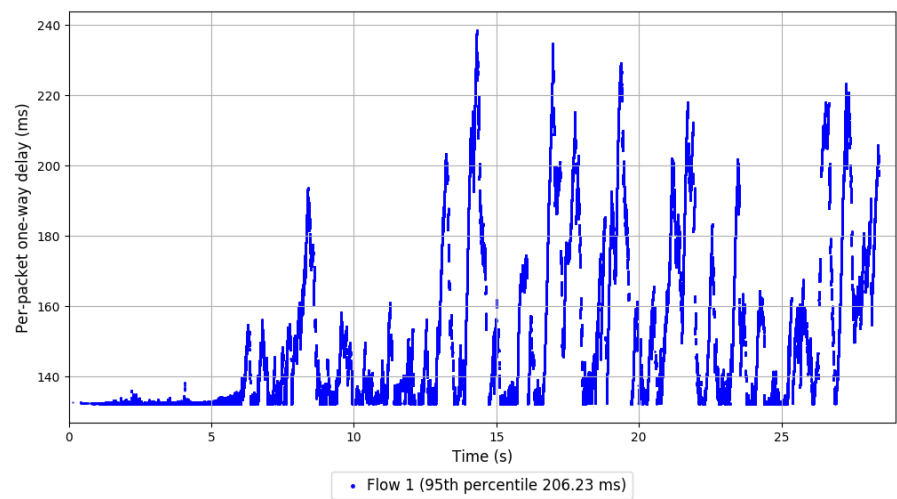
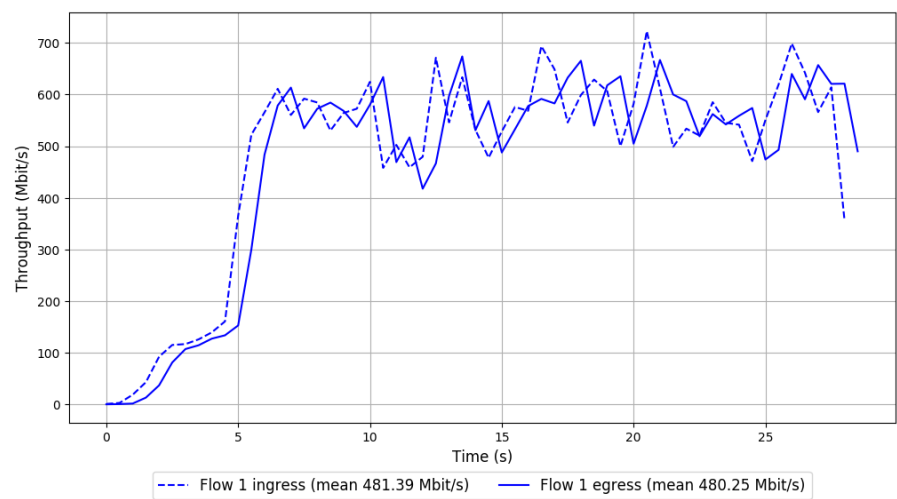


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-09 06:31:16
End at: 2019-03-09 06:31:46
Local clock offset: -0.304 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-03-09 09:55:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 480.25 Mbit/s
95th percentile per-packet one-way delay: 206.229 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 480.25 Mbit/s
95th percentile per-packet one-way delay: 206.229 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-09 07:05:47

End at: 2019-03-09 07:06:17

Local clock offset: 0.27 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-03-09 09:55:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.59 Mbit/s

95th percentile per-packet one-way delay: 220.295 ms

Loss rate: 0.28%

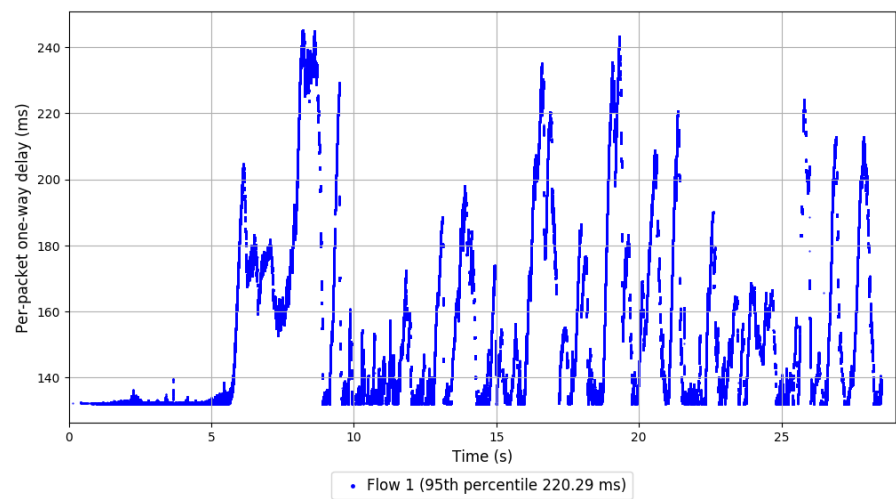
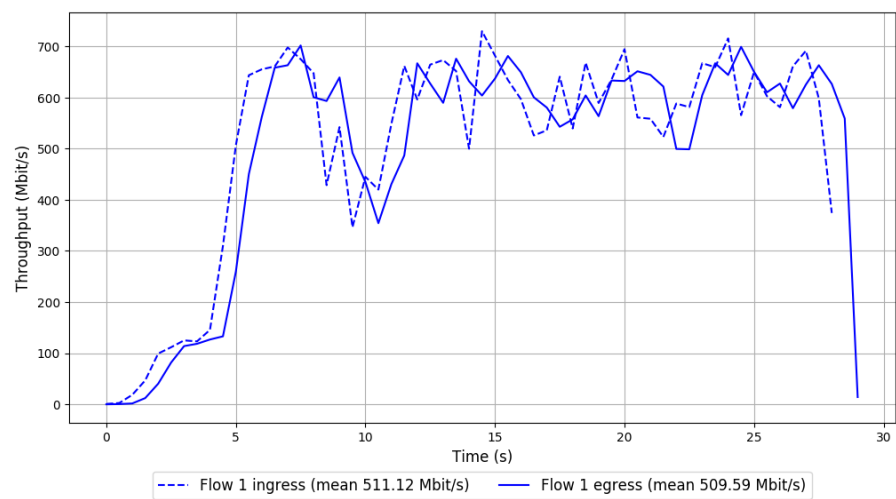
-- Flow 1:

Average throughput: 509.59 Mbit/s

95th percentile per-packet one-way delay: 220.295 ms

Loss rate: 0.28%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-09 07:39:16

End at: 2019-03-09 07:39:47

Local clock offset: -0.307 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2019-03-09 09:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.90 Mbit/s

95th percentile per-packet one-way delay: 232.876 ms

Loss rate: 0.86%

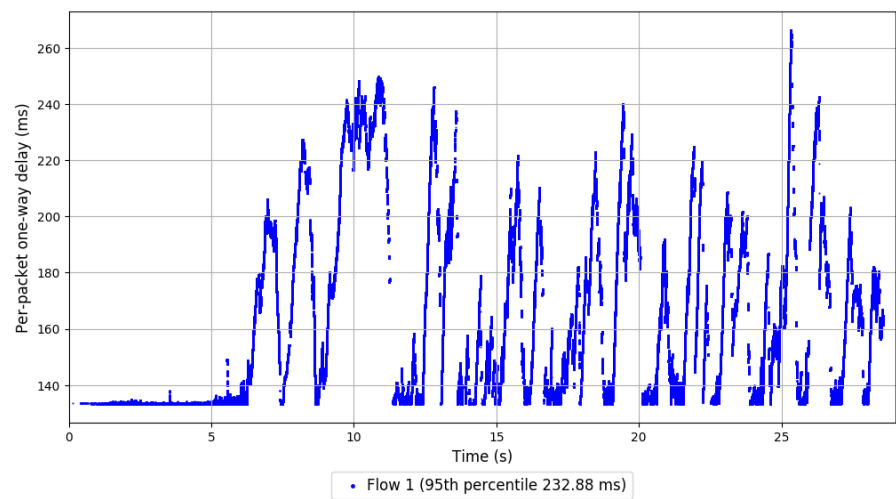
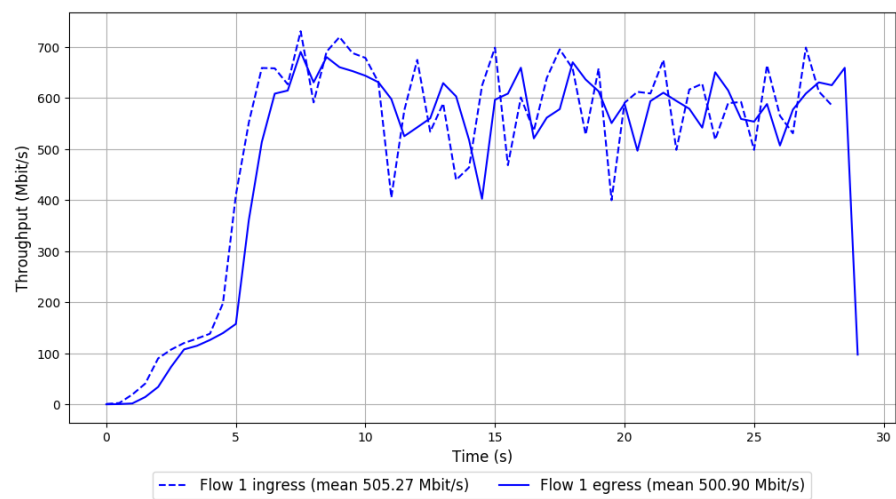
-- Flow 1:

Average throughput: 500.90 Mbit/s

95th percentile per-packet one-way delay: 232.876 ms

Loss rate: 0.86%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:14:46

End at: 2019-03-09 08:15:16

Local clock offset: 0.304 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-03-09 10:02:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.04 Mbit/s

95th percentile per-packet one-way delay: 198.218 ms

Loss rate: 0.30%

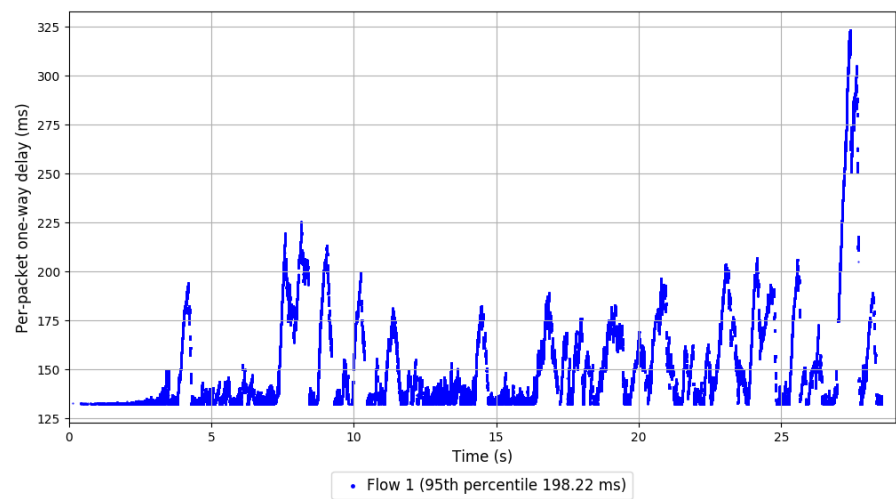
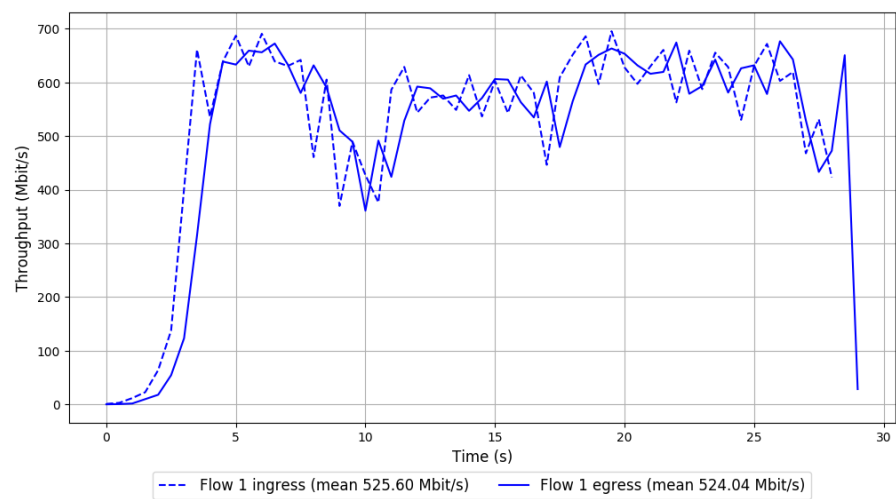
-- Flow 1:

Average throughput: 524.04 Mbit/s

95th percentile per-packet one-way delay: 198.218 ms

Loss rate: 0.30%

Run 4: Report of Indigo-MusesC5 — Data Link

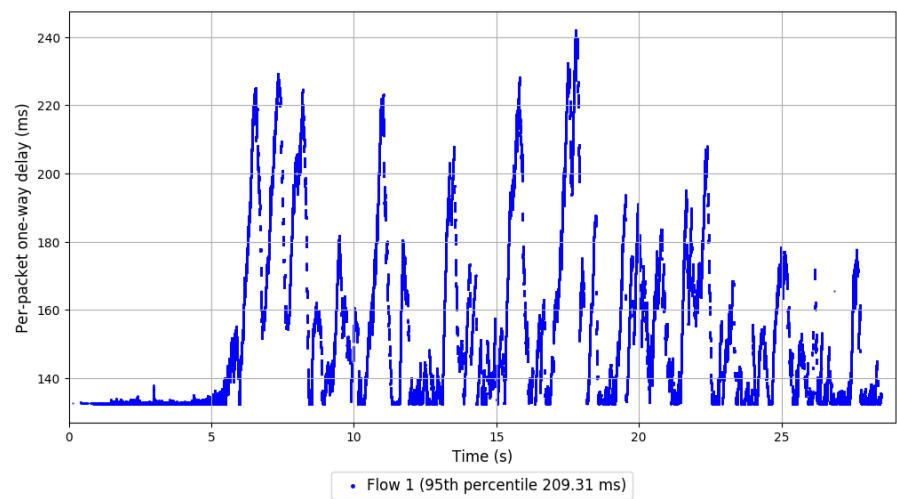
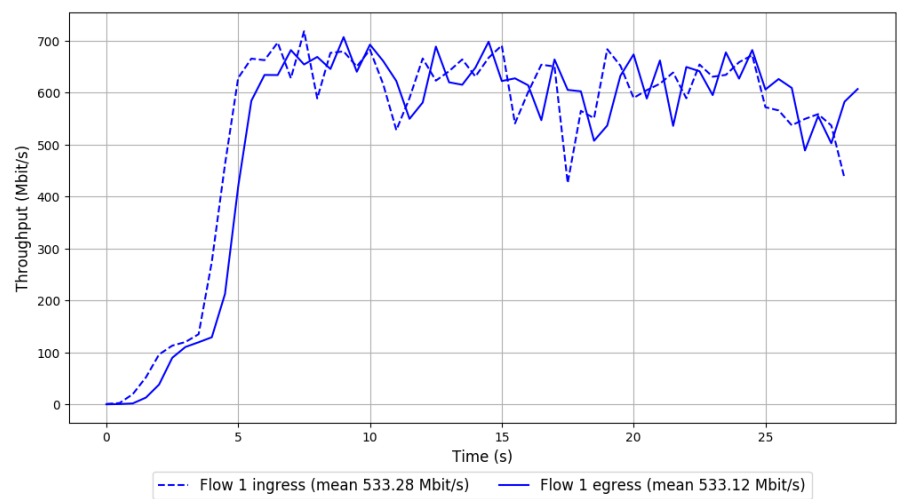


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:50:32
End at: 2019-03-09 08:51:02
Local clock offset: -0.115 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-03-09 10:02:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 533.12 Mbit/s
95th percentile per-packet one-way delay: 209.310 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 533.12 Mbit/s
95th percentile per-packet one-way delay: 209.310 ms
Loss rate: 0.03%

Run 5: Report of Indigo-MusesC5 — Data Link

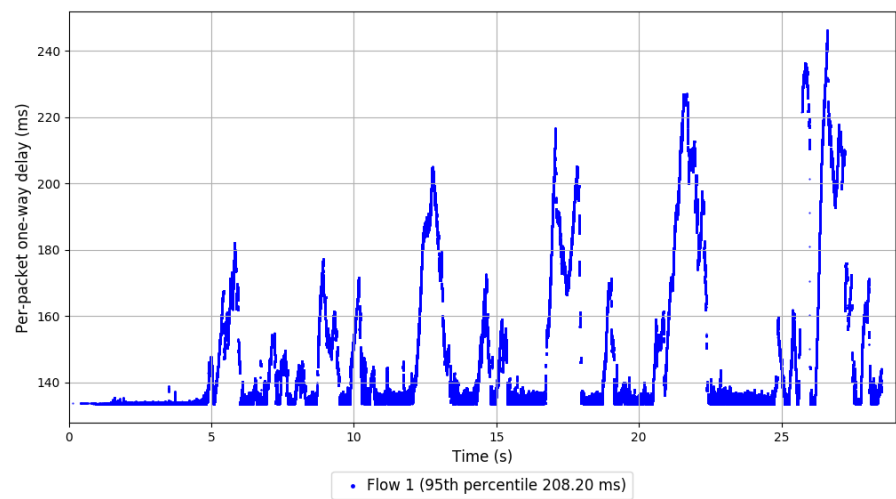
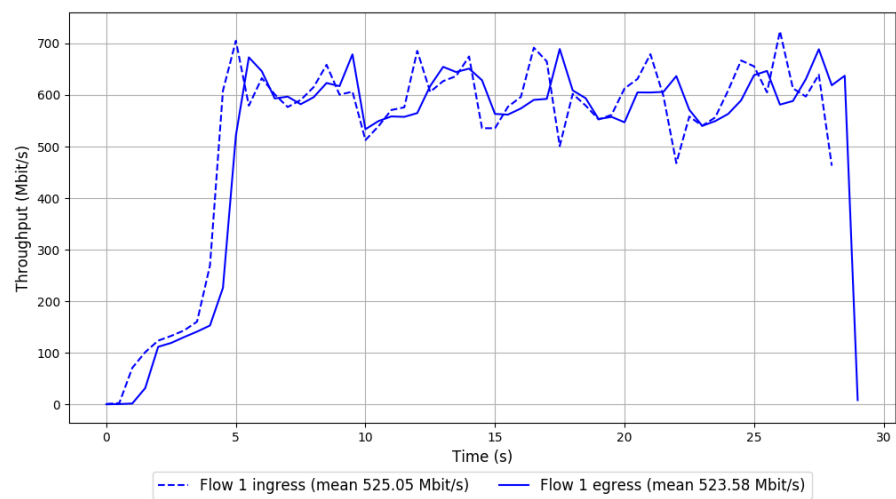



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-09 06:39:23
End at: 2019-03-09 06:39:53
Local clock offset: -0.521 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-03-09 10:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 523.58 Mbit/s
95th percentile per-packet one-way delay: 208.196 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 523.58 Mbit/s
95th percentile per-packet one-way delay: 208.196 ms
Loss rate: 0.28%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-09 07:13:27

End at: 2019-03-09 07:13:57

Local clock offset: -0.189 ms

Remote clock offset: -0.467 ms

Below is generated by plot.py at 2019-03-09 10:03:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.10 Mbit/s

95th percentile per-packet one-way delay: 189.501 ms

Loss rate: 0.28%

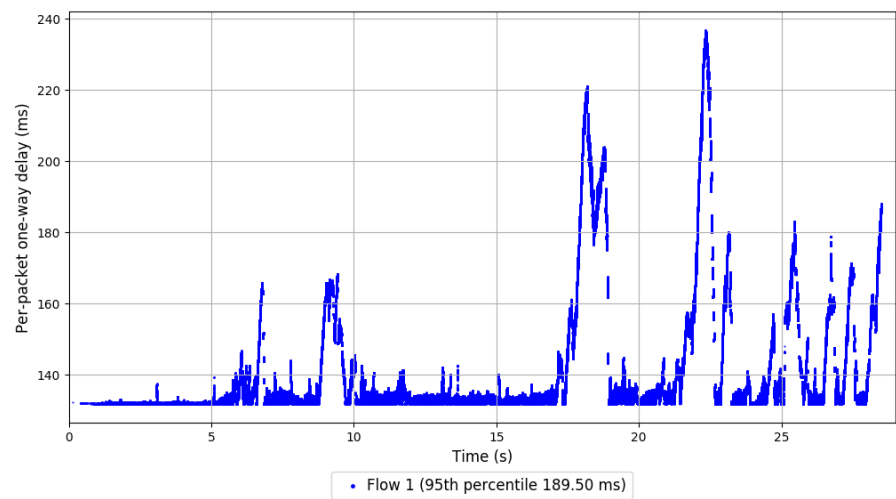
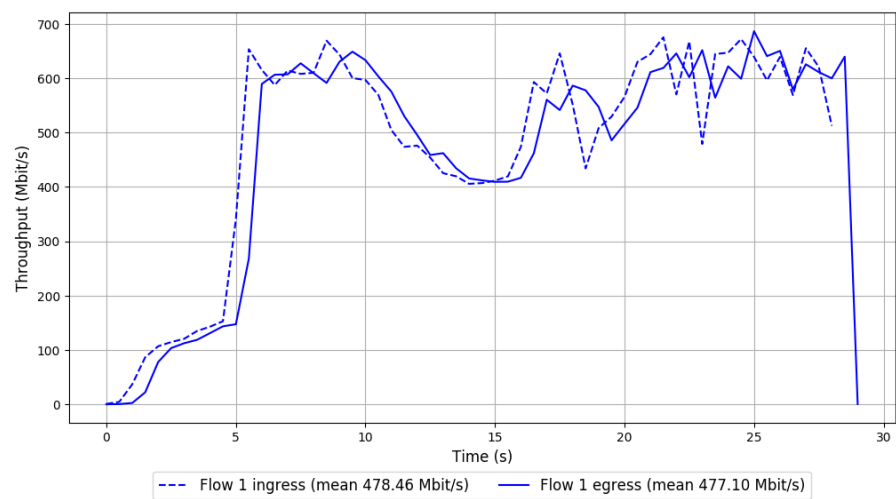
-- Flow 1:

Average throughput: 477.10 Mbit/s

95th percentile per-packet one-way delay: 189.501 ms

Loss rate: 0.28%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-09 07:48:20

End at: 2019-03-09 07:48:50

Local clock offset: 0.302 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-03-09 10:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.56 Mbit/s

95th percentile per-packet one-way delay: 210.327 ms

Loss rate: 0.13%

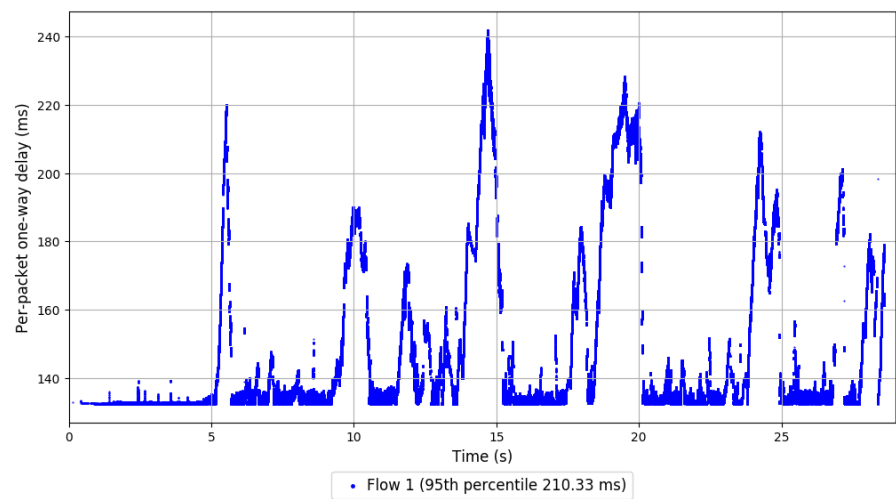
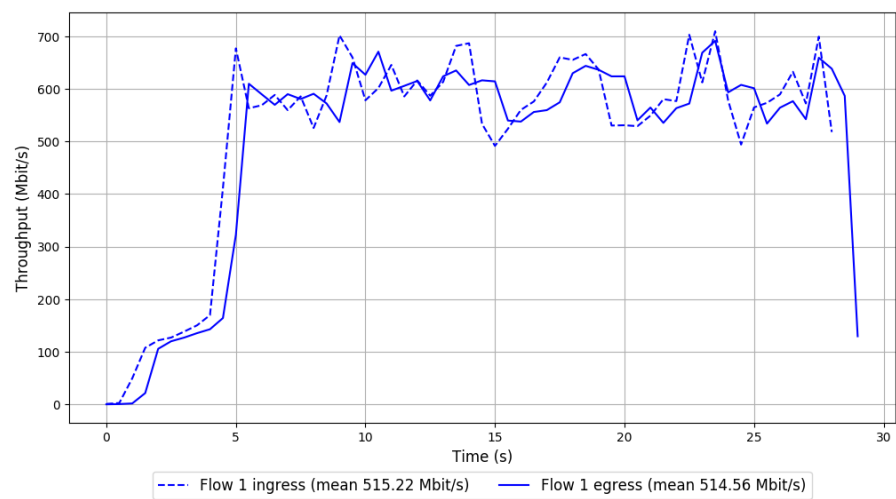
-- Flow 1:

Average throughput: 514.56 Mbit/s

95th percentile per-packet one-way delay: 210.327 ms

Loss rate: 0.13%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-09 08:23:56

End at: 2019-03-09 08:24:26

Local clock offset: 0.121 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-03-09 10:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.12 Mbit/s

95th percentile per-packet one-way delay: 184.435 ms

Loss rate: 0.11%

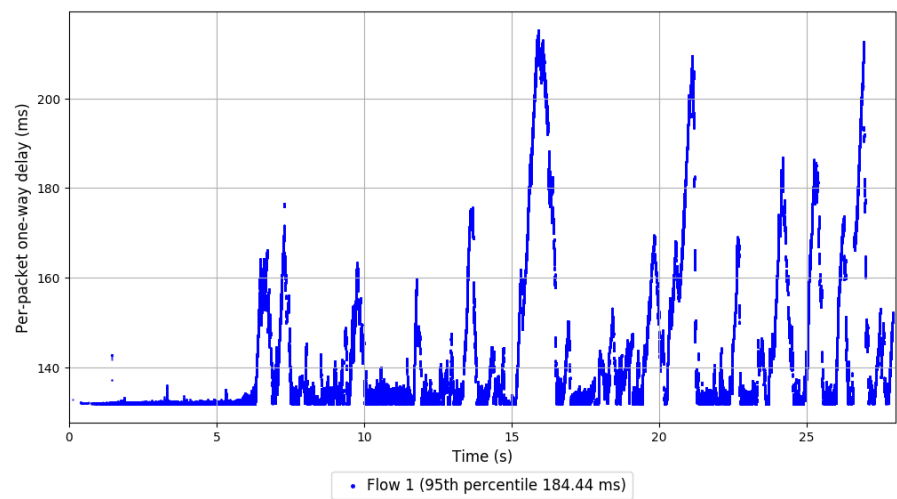
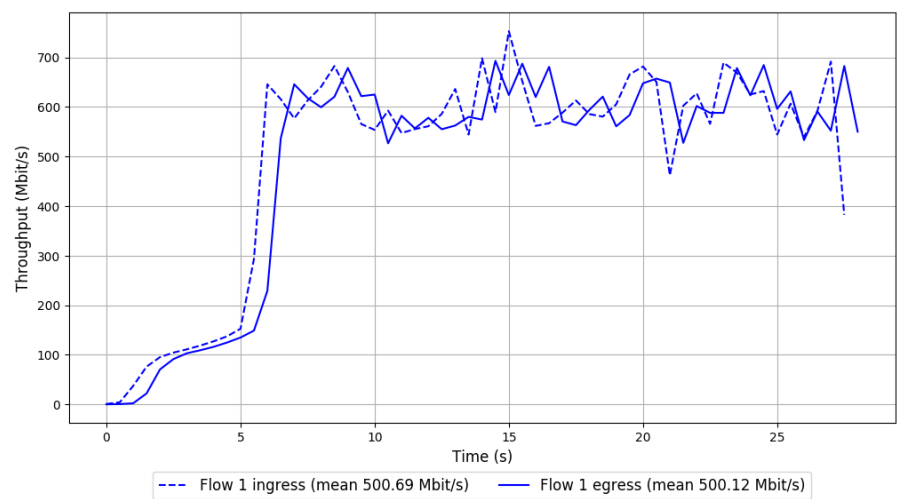
-- Flow 1:

Average throughput: 500.12 Mbit/s

95th percentile per-packet one-way delay: 184.435 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-09 08:59:22

End at: 2019-03-09 08:59:52

Local clock offset: 0.306 ms

Remote clock offset: 0.273 ms

Below is generated by plot.py at 2019-03-09 10:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 479.62 Mbit/s

95th percentile per-packet one-way delay: 221.899 ms

Loss rate: 0.42%

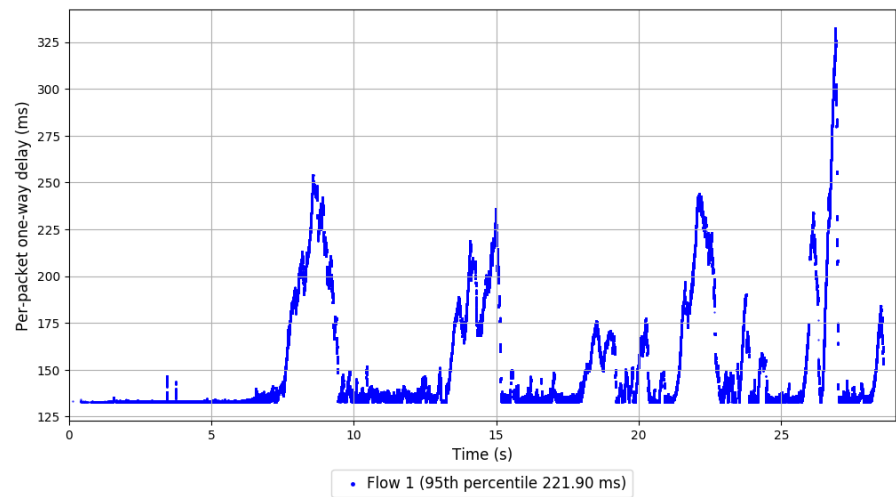
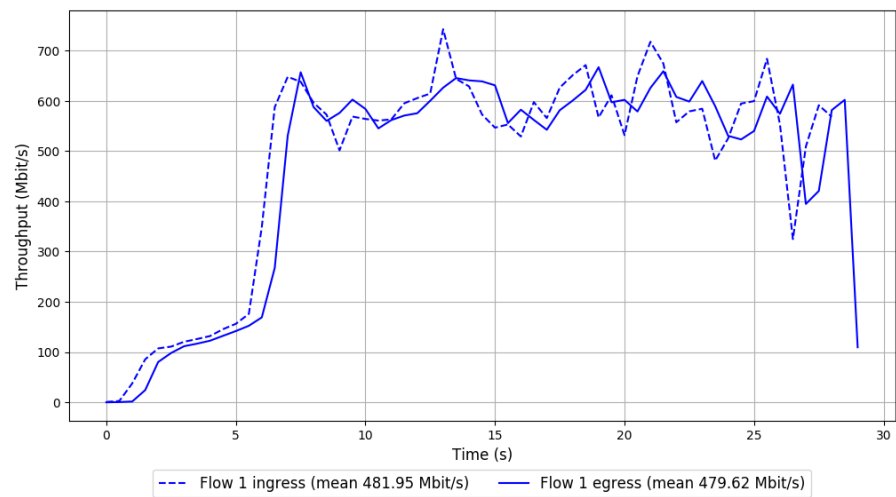
-- Flow 1:

Average throughput: 479.62 Mbit/s

95th percentile per-packet one-way delay: 221.899 ms

Loss rate: 0.42%

Run 5: Report of Indigo-MusesD — Data Link

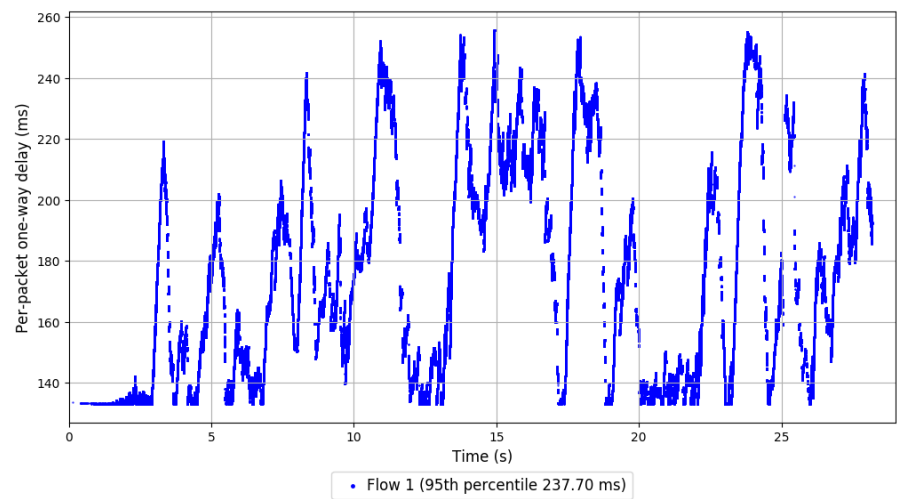
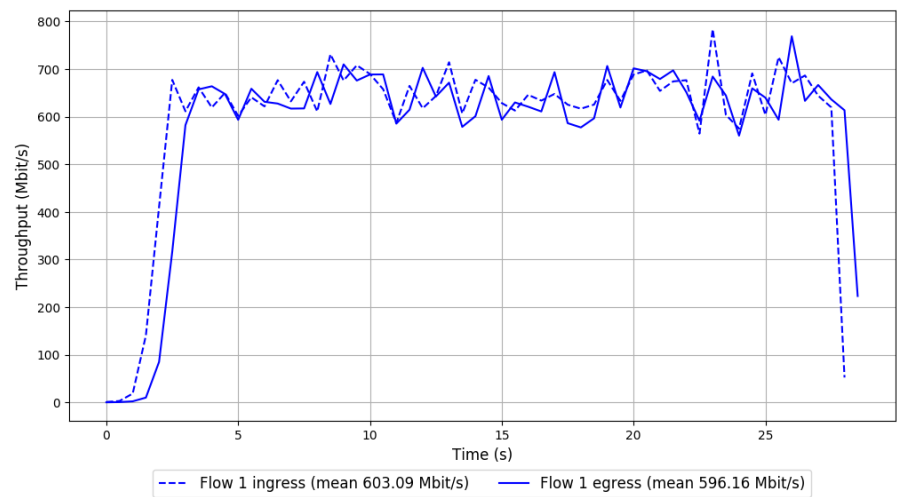


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-09 06:14:18
End at: 2019-03-09 06:14:48
Local clock offset: -0.319 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-03-09 10:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 596.16 Mbit/s
95th percentile per-packet one-way delay: 237.700 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 596.16 Mbit/s
95th percentile per-packet one-way delay: 237.700 ms
Loss rate: 1.15%
```

Run 1: Report of Indigo-MusesT — Data Link

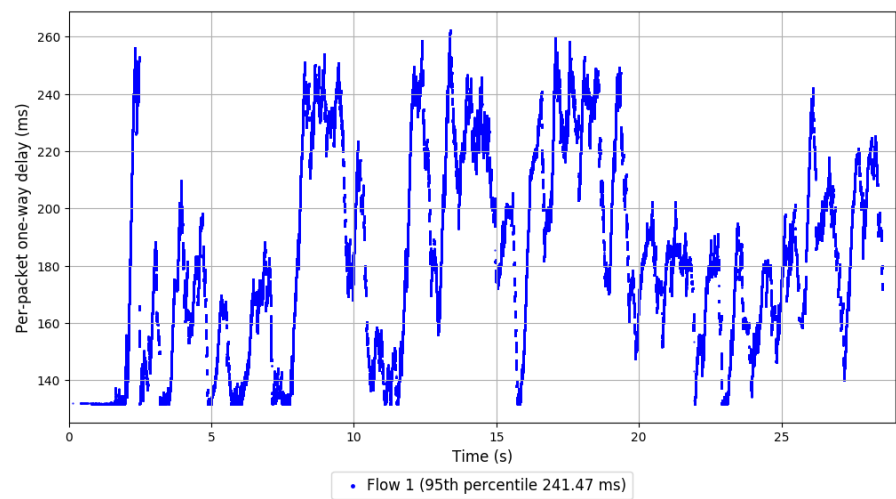
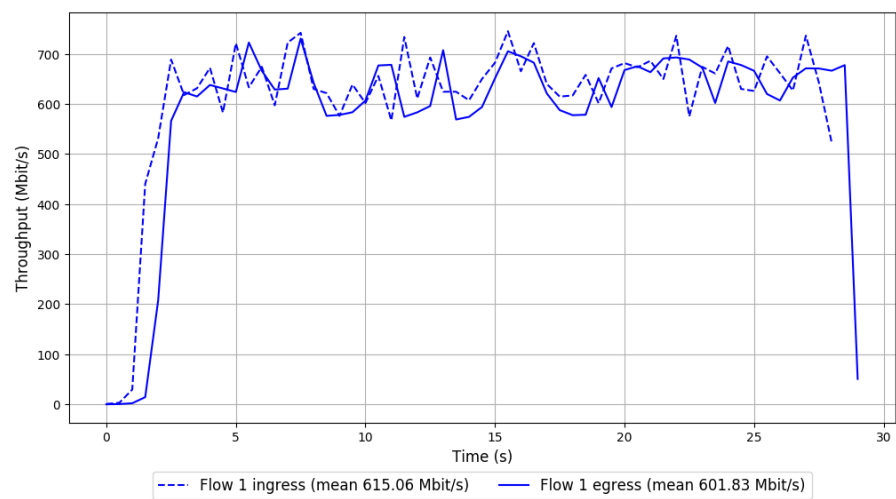


Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-09 06:49:30
End at: 2019-03-09 06:50:00
Local clock offset: 0.196 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-03-09 10:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.83 Mbit/s
95th percentile per-packet one-way delay: 241.468 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 601.83 Mbit/s
95th percentile per-packet one-way delay: 241.468 ms
Loss rate: 2.15%

Run 2: Report of Indigo-MusesT — Data Link

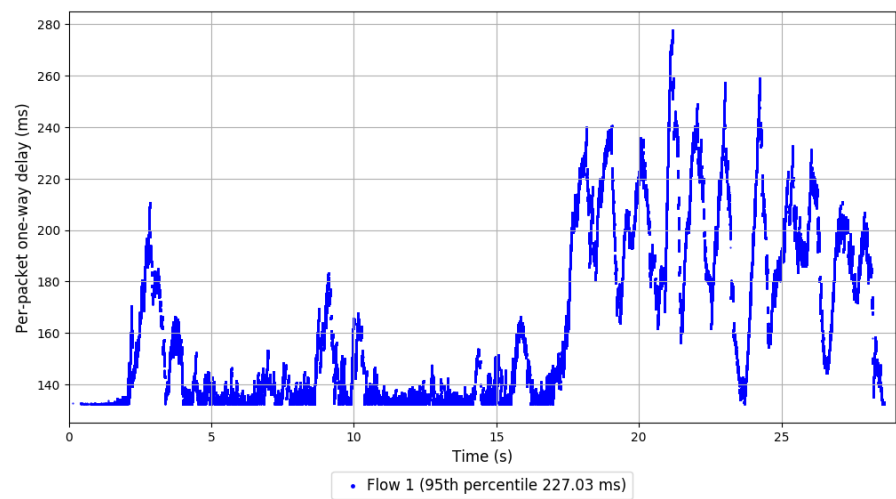
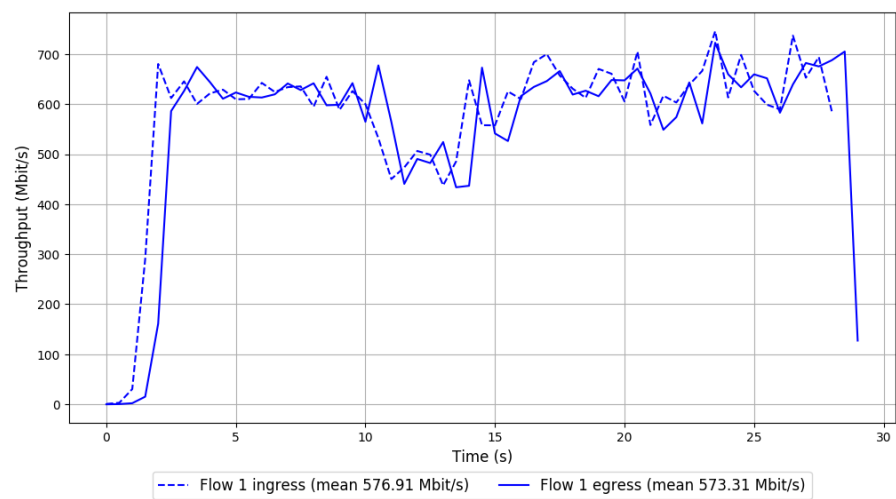


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-09 07:23:20
End at: 2019-03-09 07:23:50
Local clock offset: -0.192 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-03-09 10:11:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 573.31 Mbit/s
95th percentile per-packet one-way delay: 227.033 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 573.31 Mbit/s
95th percentile per-packet one-way delay: 227.033 ms
Loss rate: 0.63%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-09 07:59:12

End at: 2019-03-09 07:59:42

Local clock offset: 0.064 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-03-09 10:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.07 Mbit/s

95th percentile per-packet one-way delay: 230.584 ms

Loss rate: 0.71%

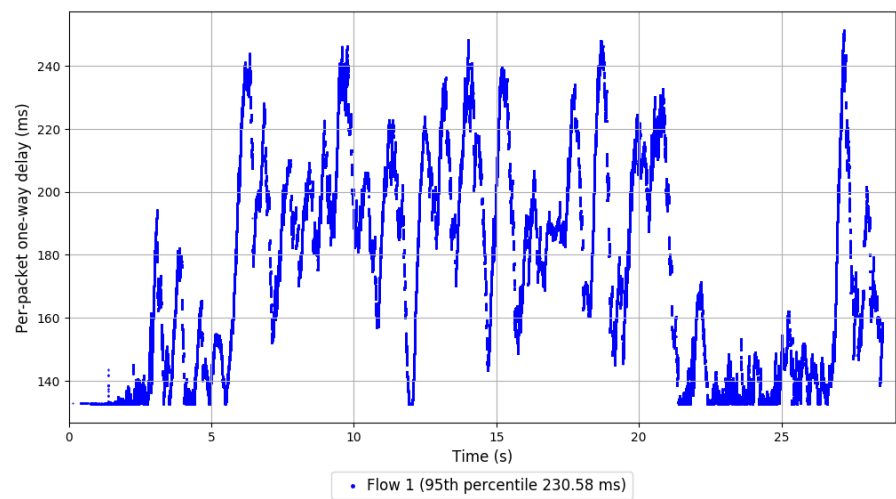
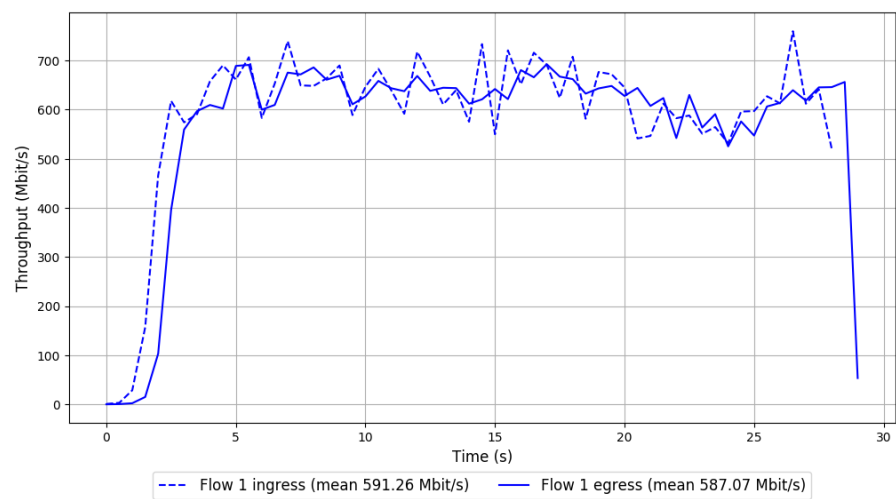
-- Flow 1:

Average throughput: 587.07 Mbit/s

95th percentile per-packet one-way delay: 230.584 ms

Loss rate: 0.71%

Run 4: Report of Indigo-MusesT — Data Link

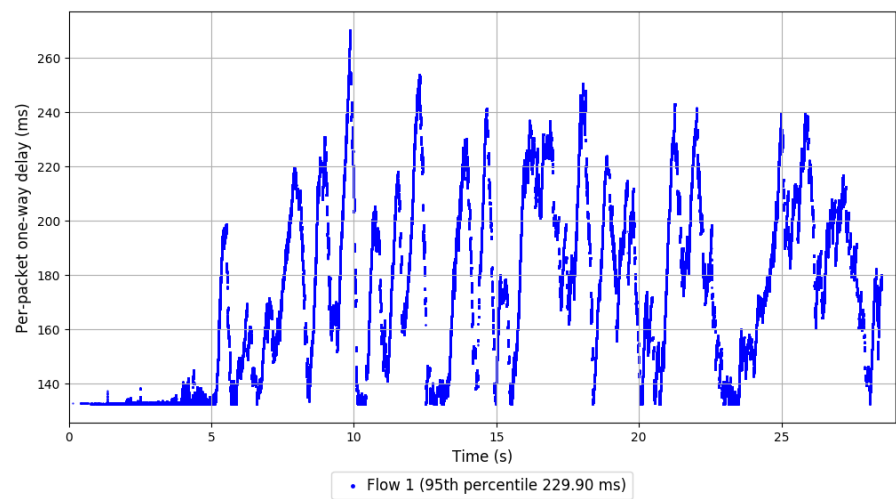
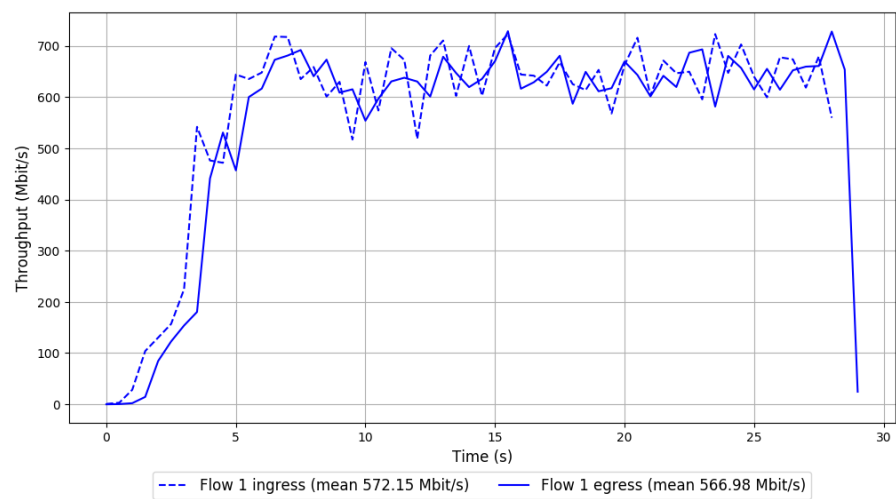


Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-09 08:34:01
End at: 2019-03-09 08:34:31
Local clock offset: 0.106 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-03-09 10:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.98 Mbit/s
95th percentile per-packet one-way delay: 229.896 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 566.98 Mbit/s
95th percentile per-packet one-way delay: 229.896 ms
Loss rate: 0.90%

Run 5: Report of Indigo-MusesT — Data Link

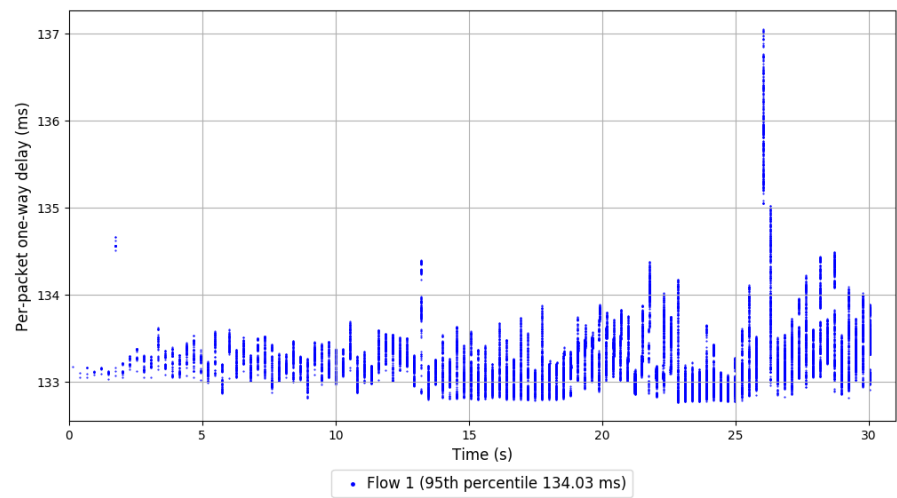
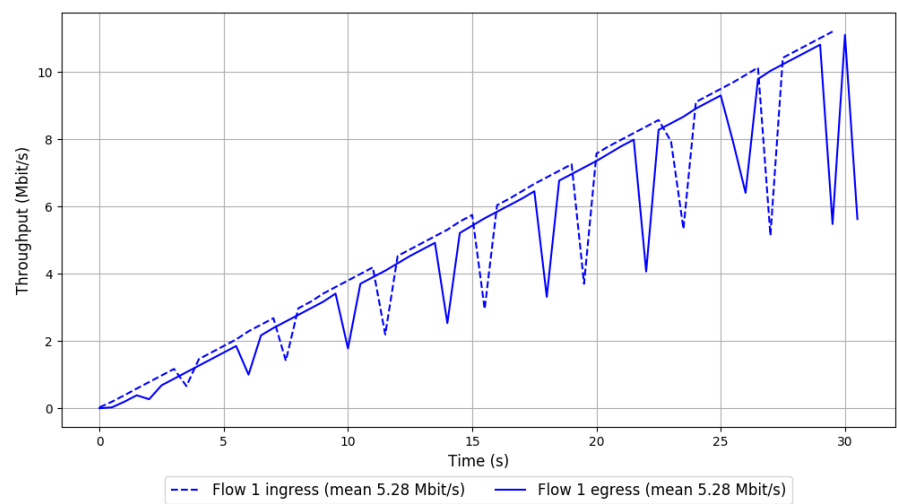


Run 1: Statistics of LEDBAT

Start at: 2019-03-09 06:41:03
End at: 2019-03-09 06:41:33
Local clock offset: -0.116 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-03-09 10:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 134.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 134.027 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-09 07:15:04

End at: 2019-03-09 07:15:34

Local clock offset: 0.009 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2019-03-09 10:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 135.071 ms

Loss rate: 0.00%

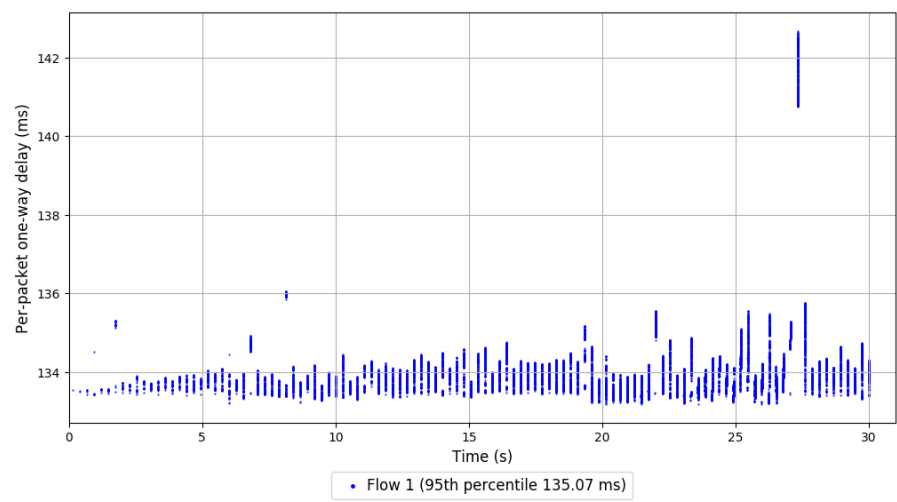
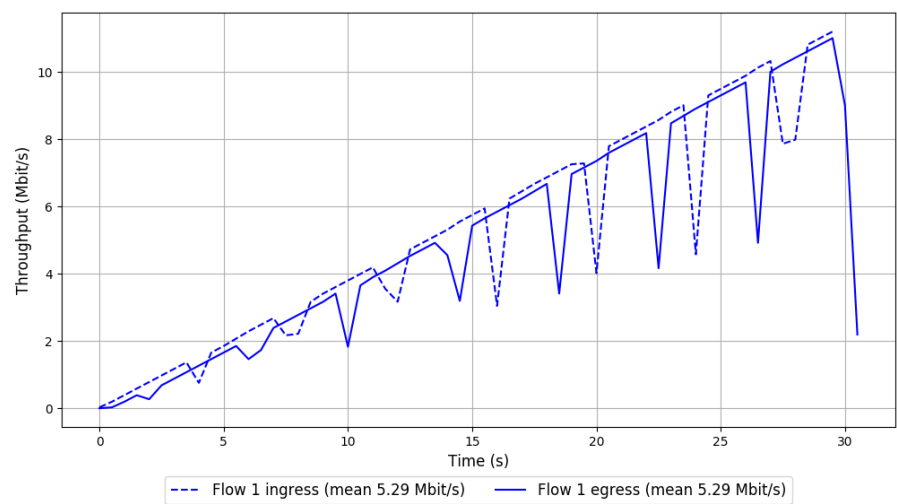
-- Flow 1:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 135.071 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

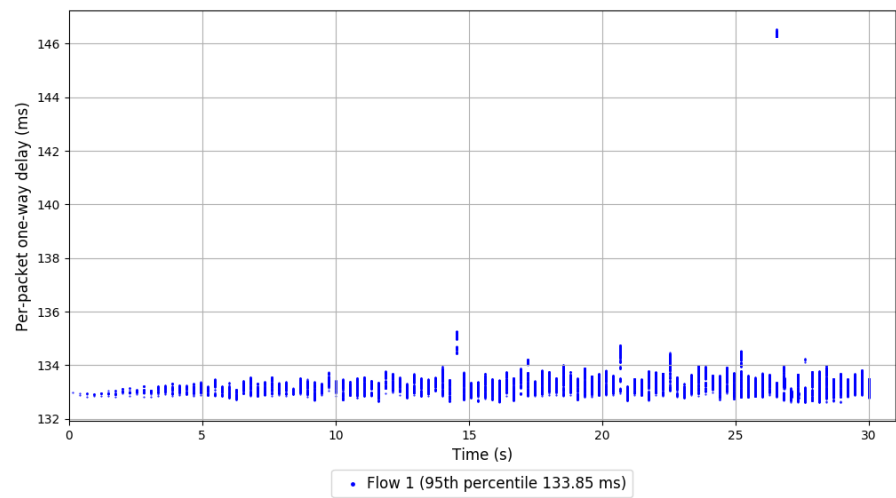
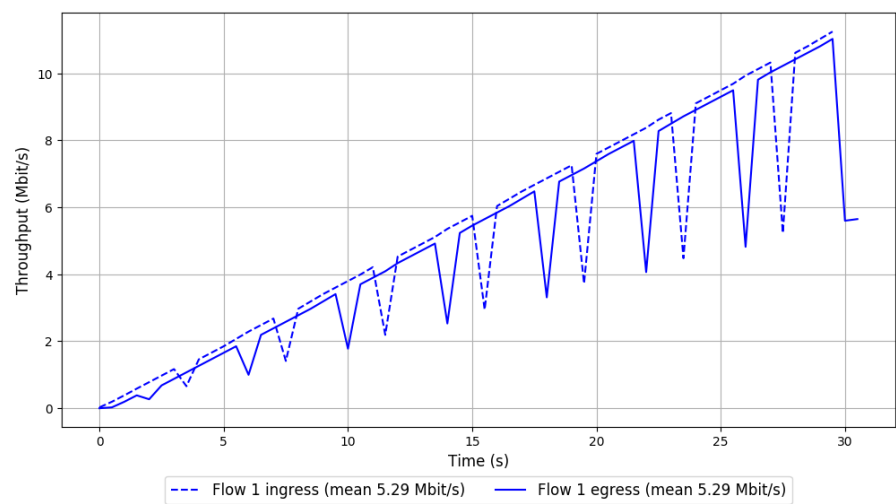


Run 3: Statistics of LEDBAT

Start at: 2019-03-09 07:50:17
End at: 2019-03-09 07:50:47
Local clock offset: 0.128 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-03-09 10:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 133.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 133.851 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

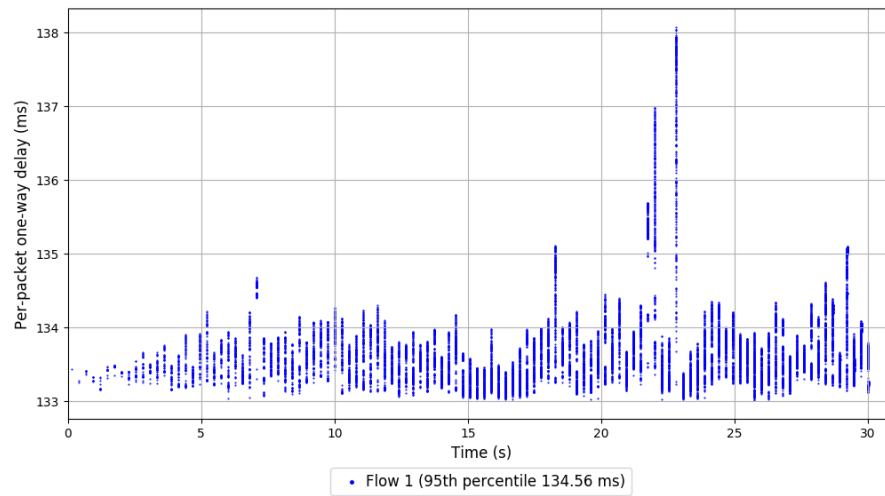
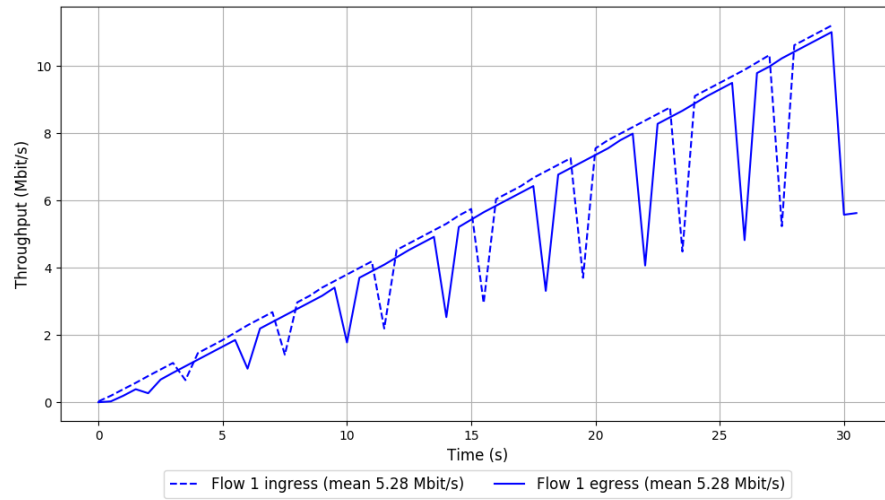


Run 4: Statistics of LEDBAT

Start at: 2019-03-09 08:25:45
End at: 2019-03-09 08:26:15
Local clock offset: -0.336 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-03-09 10:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 134.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 134.560 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

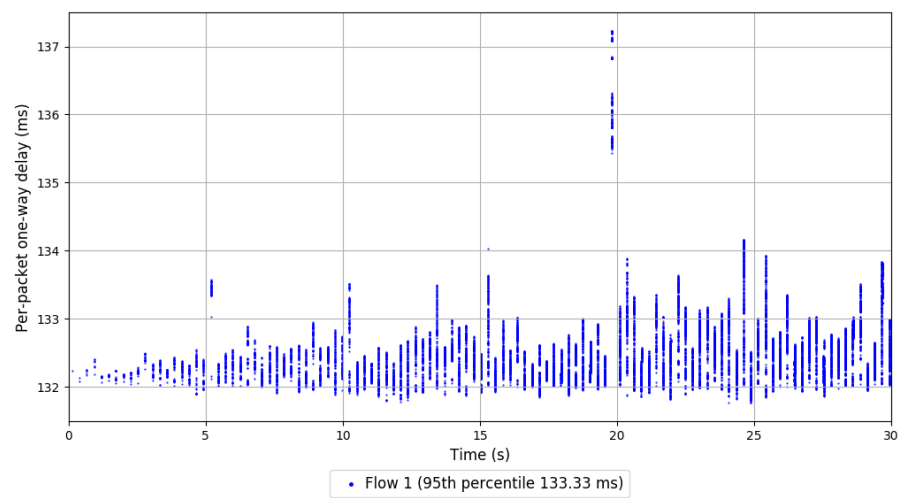
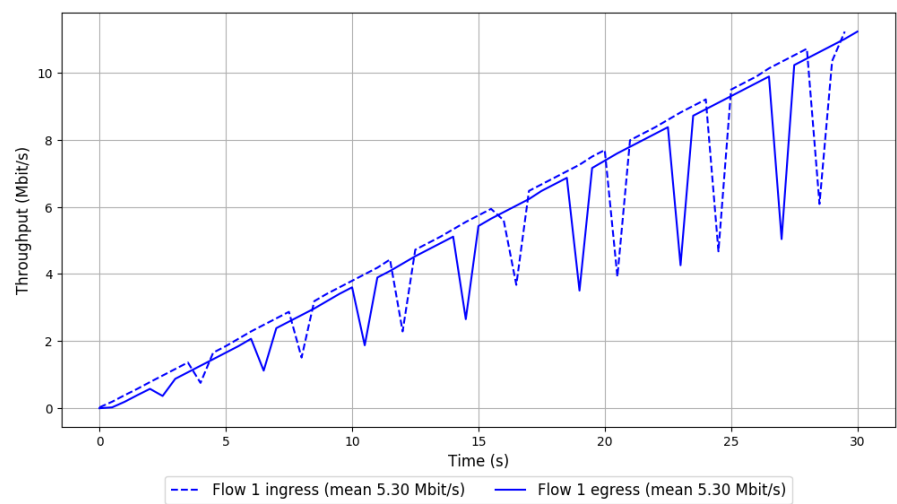


Run 5: Statistics of LEDBAT

Start at: 2019-03-09 09:01:09
End at: 2019-03-09 09:01:39
Local clock offset: 0.098 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-03-09 10:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.334 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-09 06:09:25

End at: 2019-03-09 06:09:55

Local clock offset: 0.192 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-03-09 10:16:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.20 Mbit/s

95th percentile per-packet one-way delay: 245.196 ms

Loss rate: 1.14%

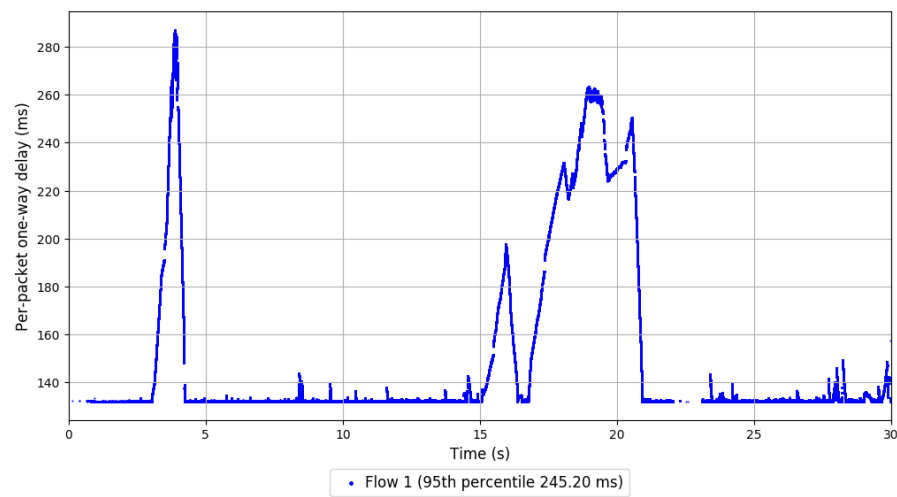
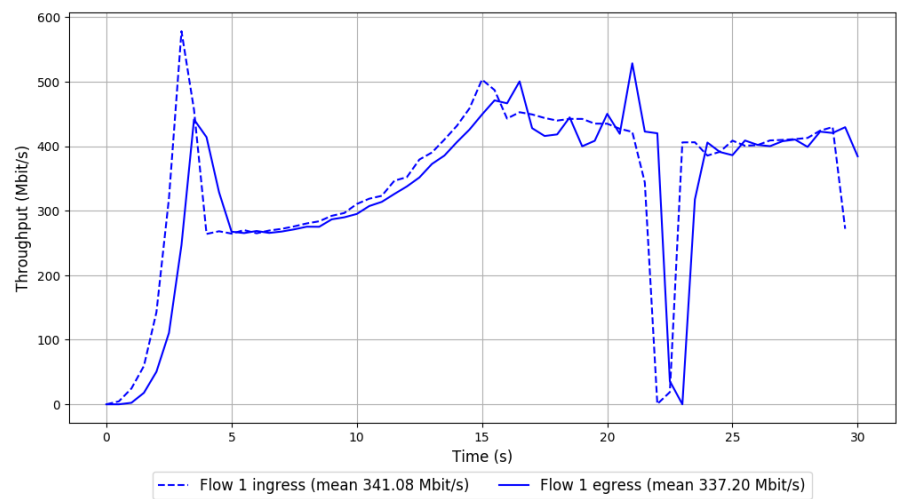
-- Flow 1:

Average throughput: 337.20 Mbit/s

95th percentile per-packet one-way delay: 245.196 ms

Loss rate: 1.14%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-09 06:43:45

End at: 2019-03-09 06:44:15

Local clock offset: 0.046 ms

Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-03-09 10:16:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.73 Mbit/s

95th percentile per-packet one-way delay: 227.064 ms

Loss rate: 0.86%

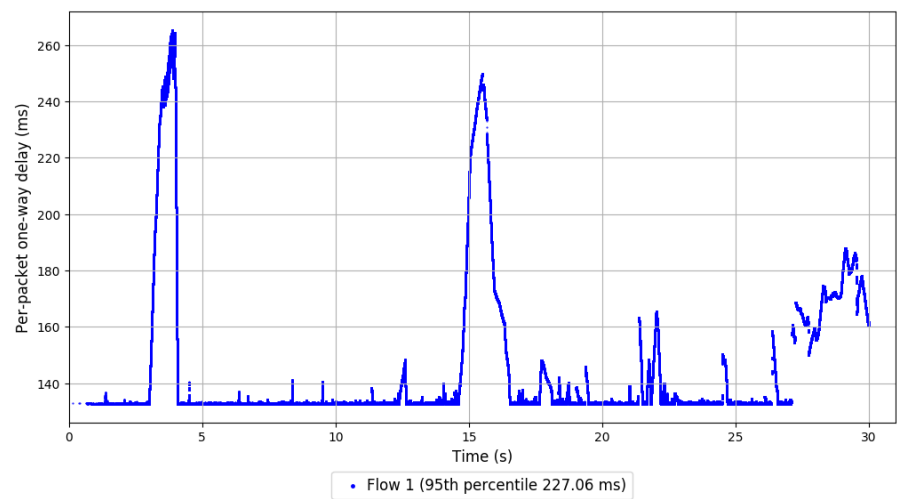
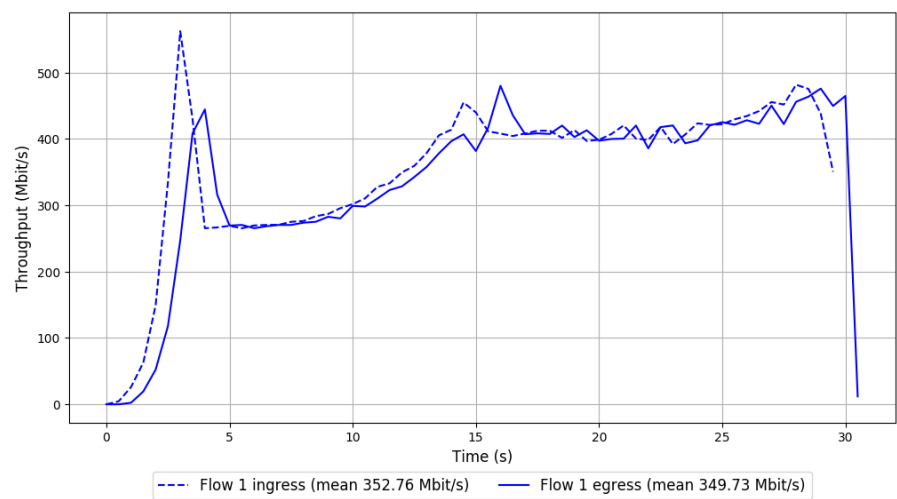
-- Flow 1:

Average throughput: 349.73 Mbit/s

95th percentile per-packet one-way delay: 227.064 ms

Loss rate: 0.86%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-09 07:18:05

End at: 2019-03-09 07:18:35

Local clock offset: -0.111 ms

Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-03-09 10:16:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.92 Mbit/s

95th percentile per-packet one-way delay: 224.984 ms

Loss rate: 0.45%

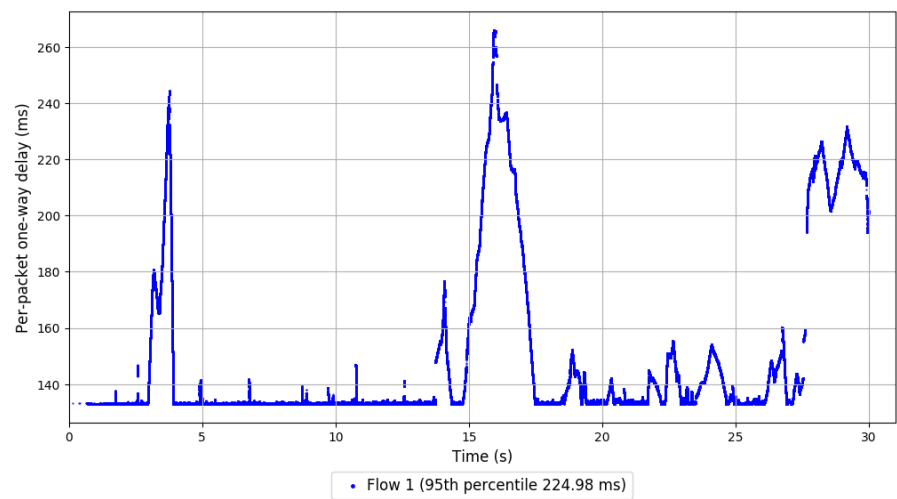
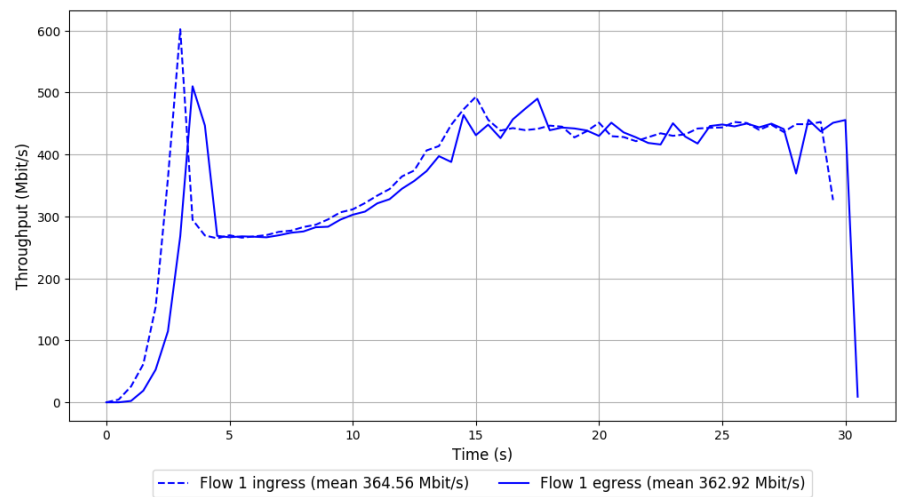
-- Flow 1:

Average throughput: 362.92 Mbit/s

95th percentile per-packet one-way delay: 224.984 ms

Loss rate: 0.45%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-09 07:53:26

End at: 2019-03-09 07:53:56

Local clock offset: 0.3 ms

Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-03-09 10:17:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.90 Mbit/s

95th percentile per-packet one-way delay: 139.830 ms

Loss rate: 0.67%

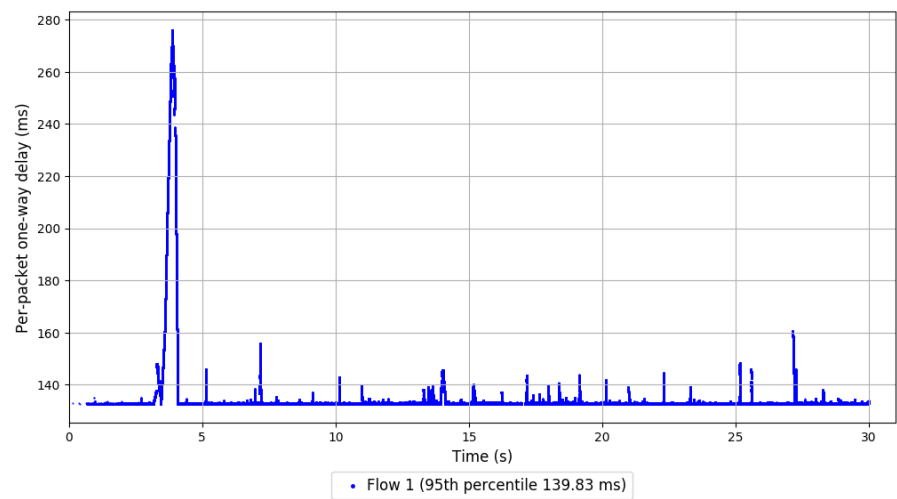
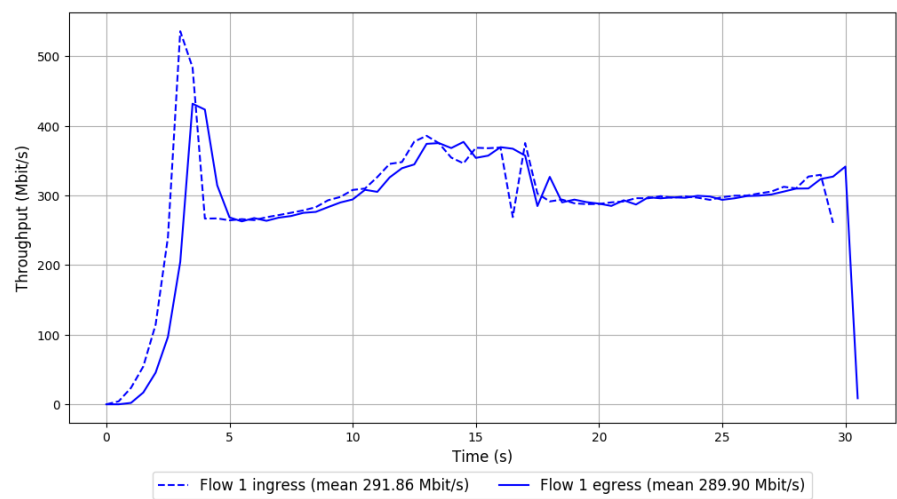
-- Flow 1:

Average throughput: 289.90 Mbit/s

95th percentile per-packet one-way delay: 139.830 ms

Loss rate: 0.67%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-09 08:28:27

End at: 2019-03-09 08:28:57

Local clock offset: -0.497 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-03-09 10:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.42 Mbit/s

95th percentile per-packet one-way delay: 254.588 ms

Loss rate: 5.12%

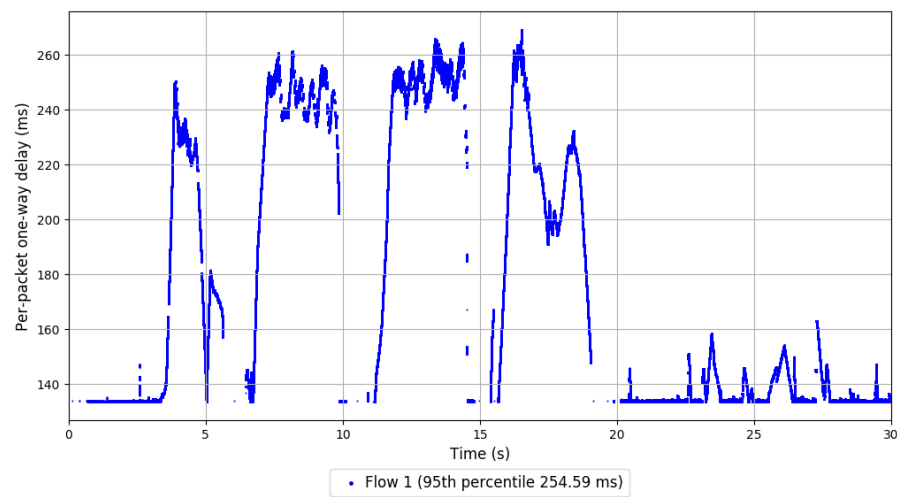
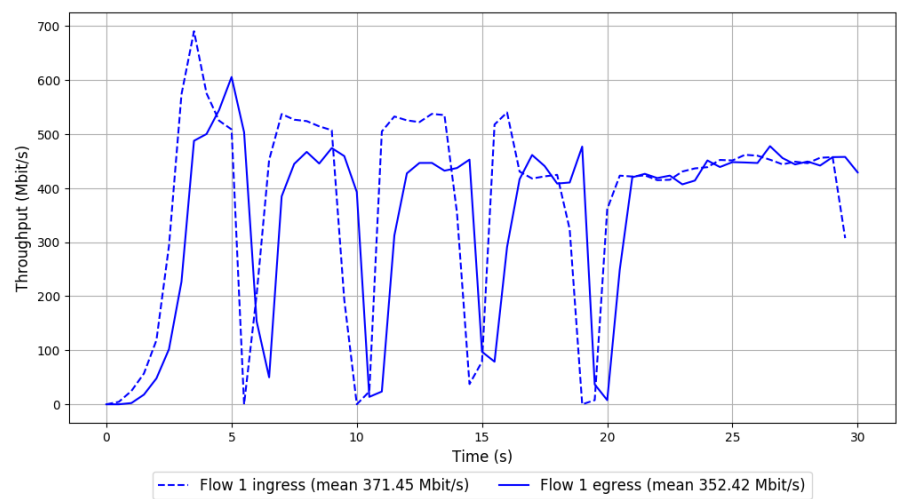
-- Flow 1:

Average throughput: 352.42 Mbit/s

95th percentile per-packet one-way delay: 254.588 ms

Loss rate: 5.12%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-03-09 06:37:44

End at: 2019-03-09 06:38:14

Local clock offset: -0.094 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-03-09 10:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.84 Mbit/s

95th percentile per-packet one-way delay: 233.615 ms

Loss rate: 3.03%

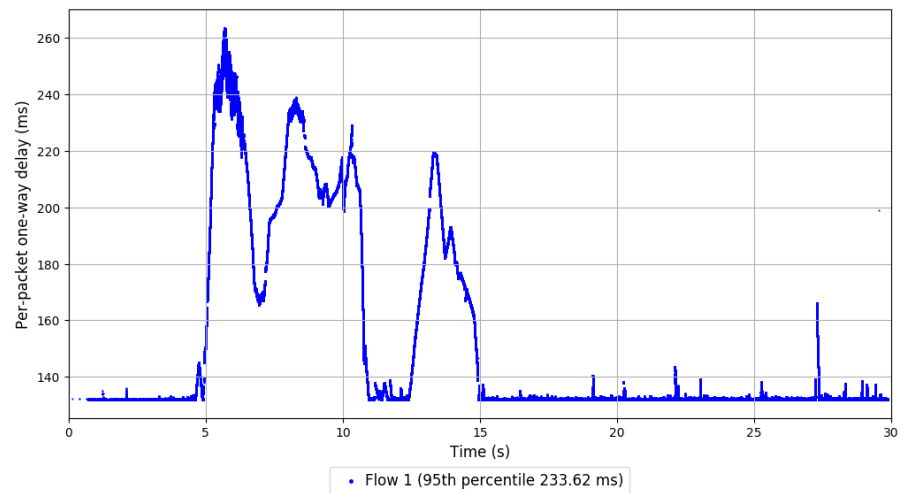
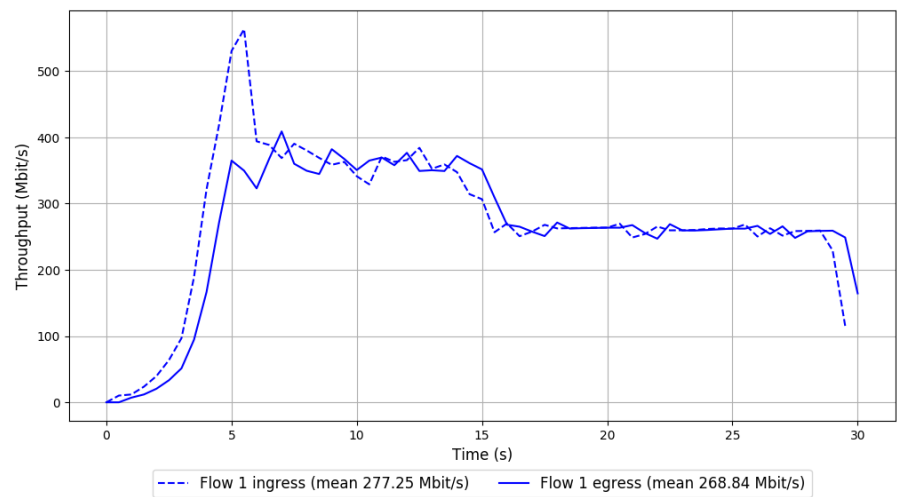
-- Flow 1:

Average throughput: 268.84 Mbit/s

95th percentile per-packet one-way delay: 233.615 ms

Loss rate: 3.03%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-03-09 07:11:51

End at: 2019-03-09 07:12:21

Local clock offset: -0.14 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2019-03-09 10:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.18 Mbit/s

95th percentile per-packet one-way delay: 157.815 ms

Loss rate: 0.04%

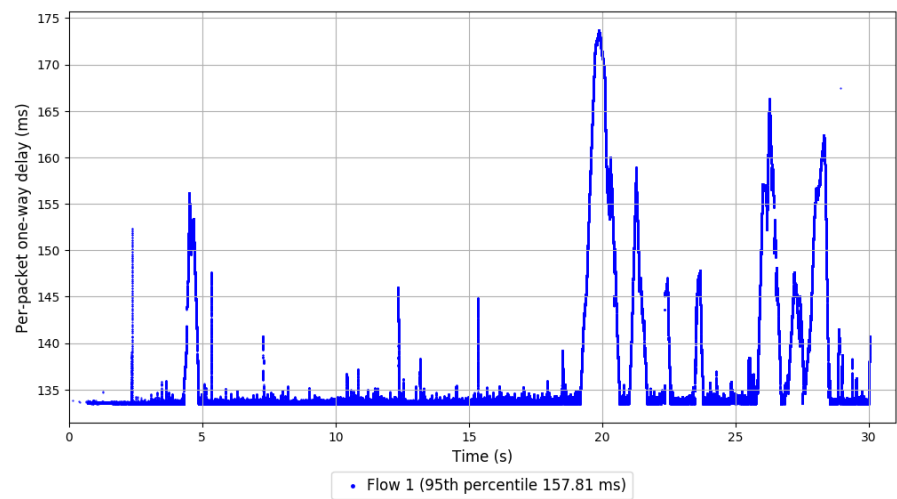
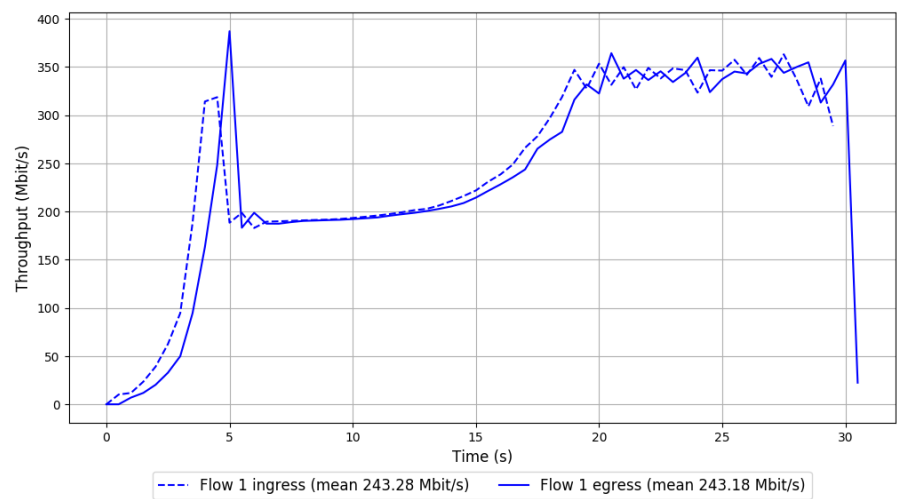
-- Flow 1:

Average throughput: 243.18 Mbit/s

95th percentile per-packet one-way delay: 157.815 ms

Loss rate: 0.04%

Run 2: Report of PCC-Expr — Data Link

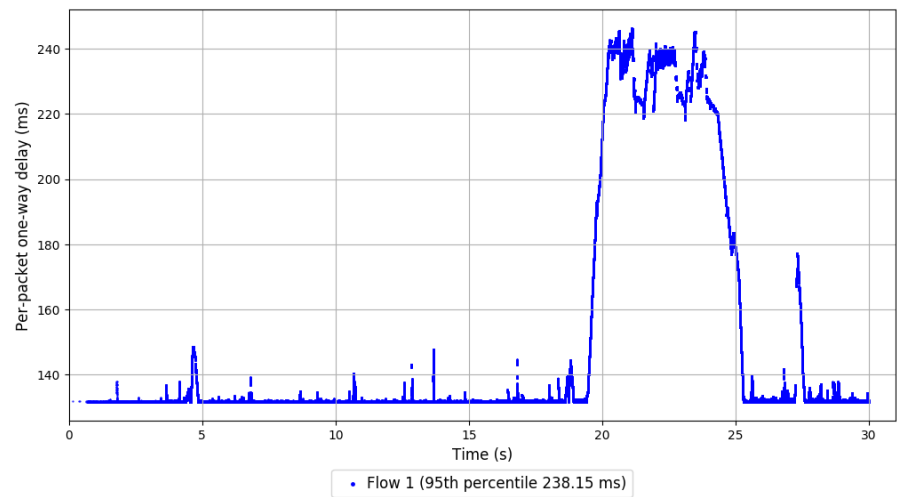
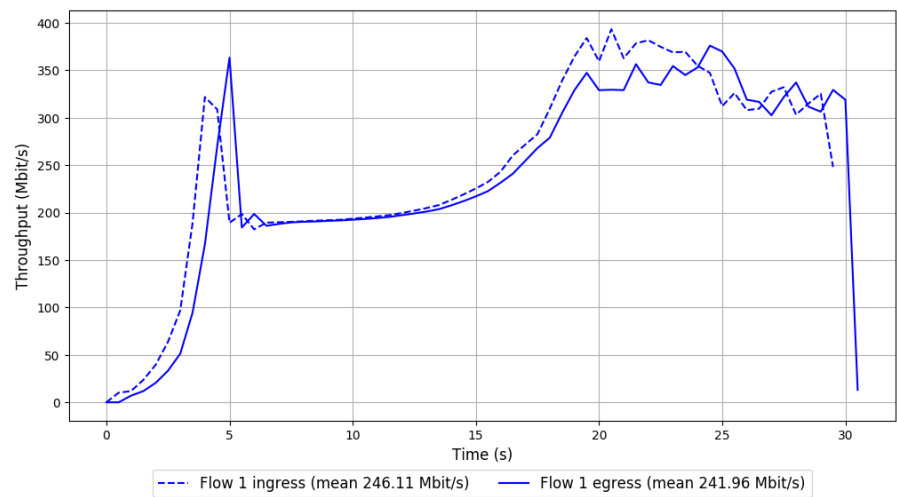


Run 3: Statistics of PCC-Expr

Start at: 2019-03-09 07:46:33
End at: 2019-03-09 07:47:03
Local clock offset: 0.266 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-03-09 10:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.96 Mbit/s
95th percentile per-packet one-way delay: 238.145 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 241.96 Mbit/s
95th percentile per-packet one-way delay: 238.145 ms
Loss rate: 1.69%

Run 3: Report of PCC-Expr — Data Link

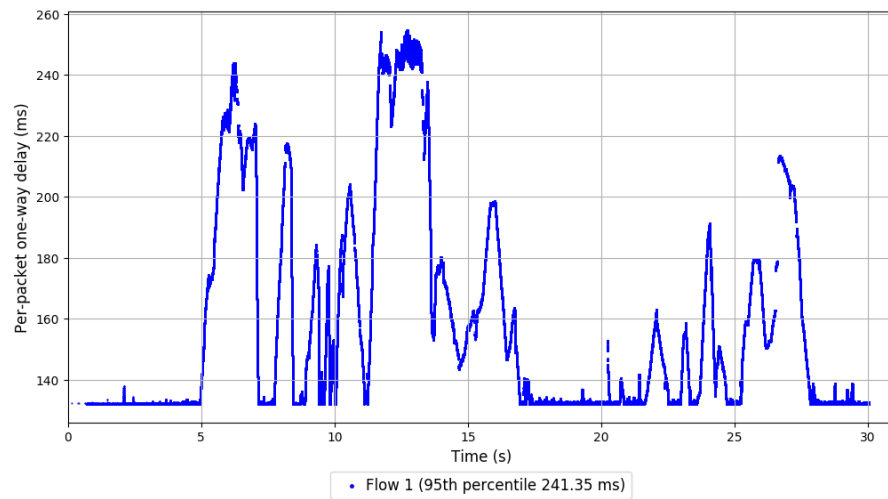
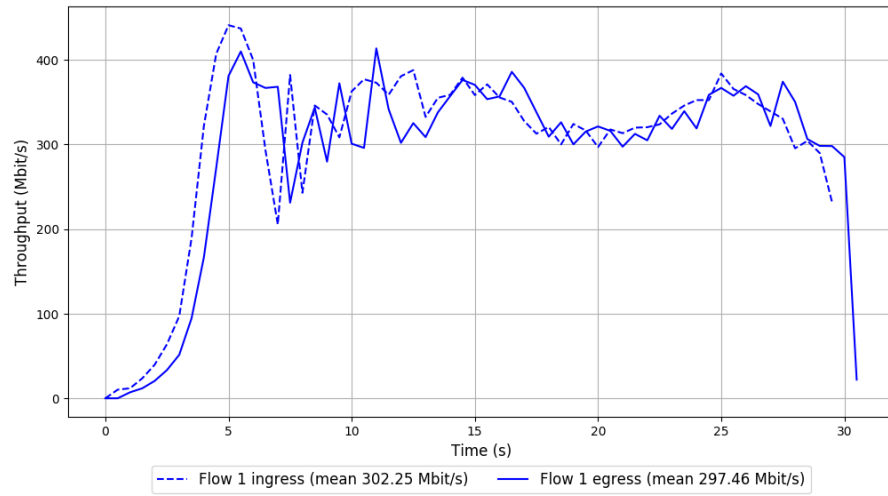


Run 4: Statistics of PCC-Expr

Start at: 2019-03-09 08:21:49
End at: 2019-03-09 08:22:19
Local clock offset: 0.198 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-03-09 10:26:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.46 Mbit/s
95th percentile per-packet one-way delay: 241.352 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 297.46 Mbit/s
95th percentile per-packet one-way delay: 241.352 ms
Loss rate: 1.59%

Run 4: Report of PCC-Expr — Data Link

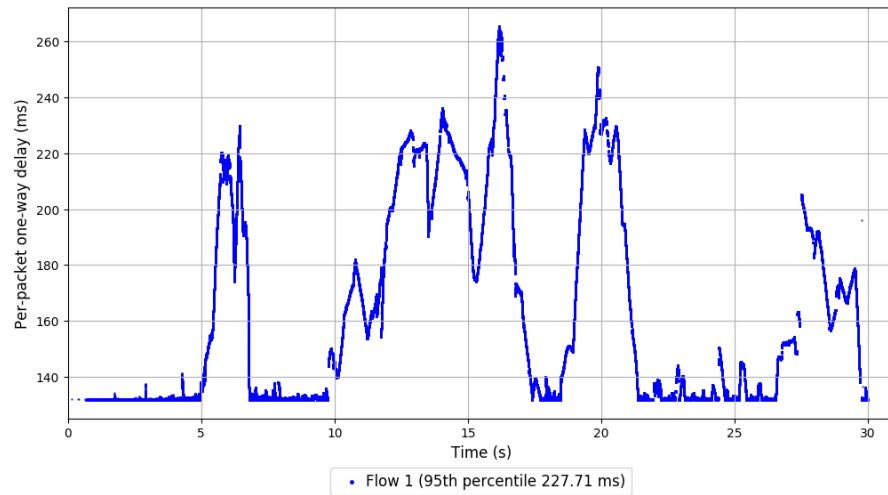
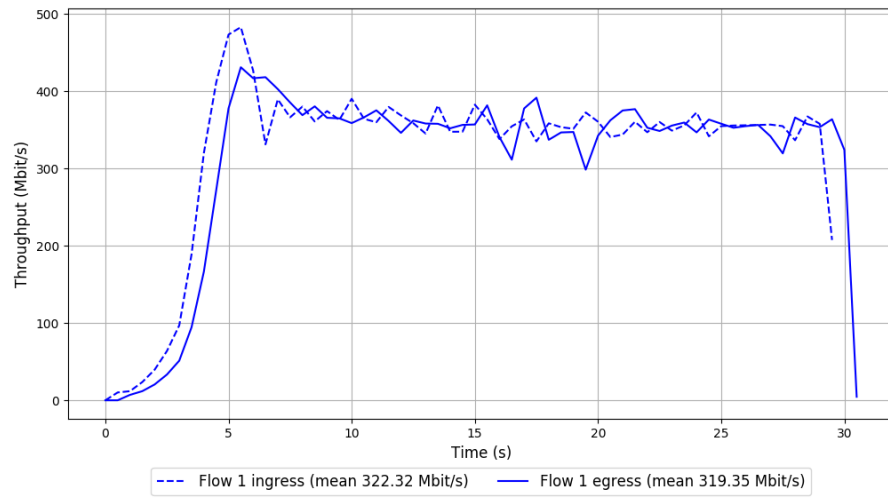


Run 5: Statistics of PCC-Expr

Start at: 2019-03-09 08:57:07
End at: 2019-03-09 08:57:37
Local clock offset: -0.135 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 319.35 Mbit/s
95th percentile per-packet one-way delay: 227.706 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 319.35 Mbit/s
95th percentile per-packet one-way delay: 227.706 ms
Loss rate: 0.92%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

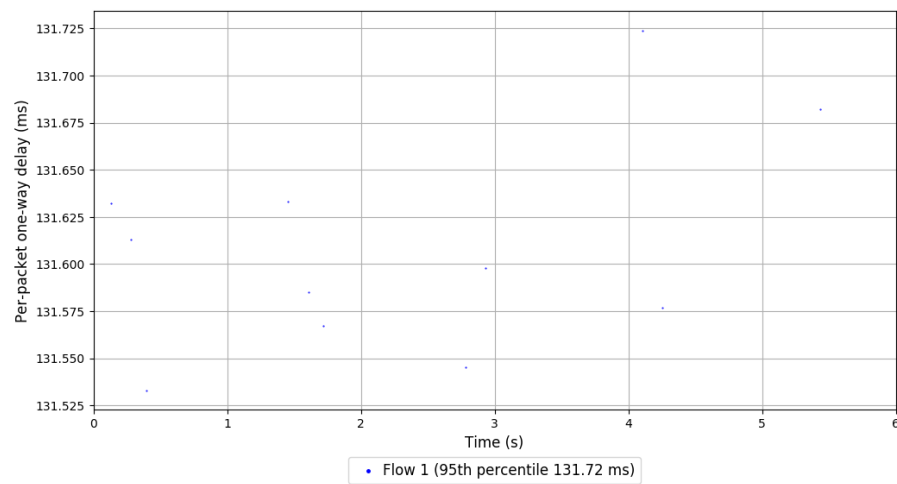
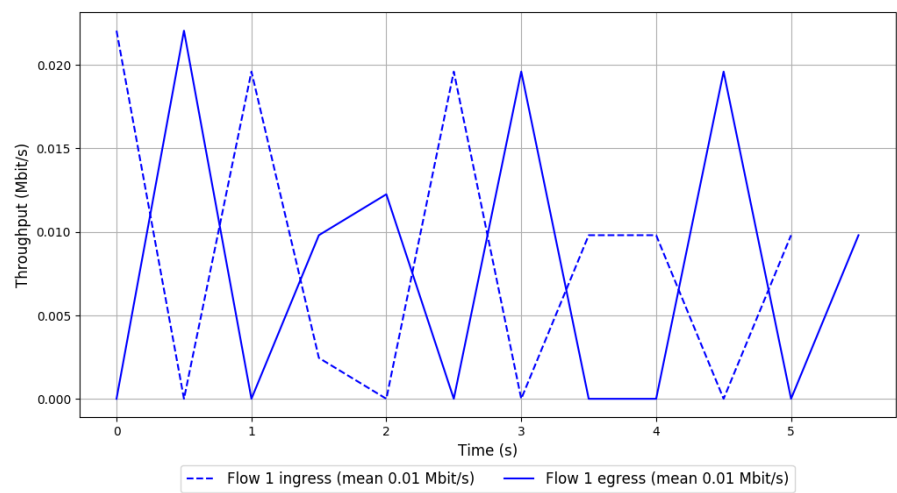
Start at: 2019-03-09 06:23:15

End at: 2019-03-09 06:23:45

Local clock offset: 0.098 ms

Remote clock offset: -0.45 ms

Run 1: Report of QUIC Cubic — Data Link

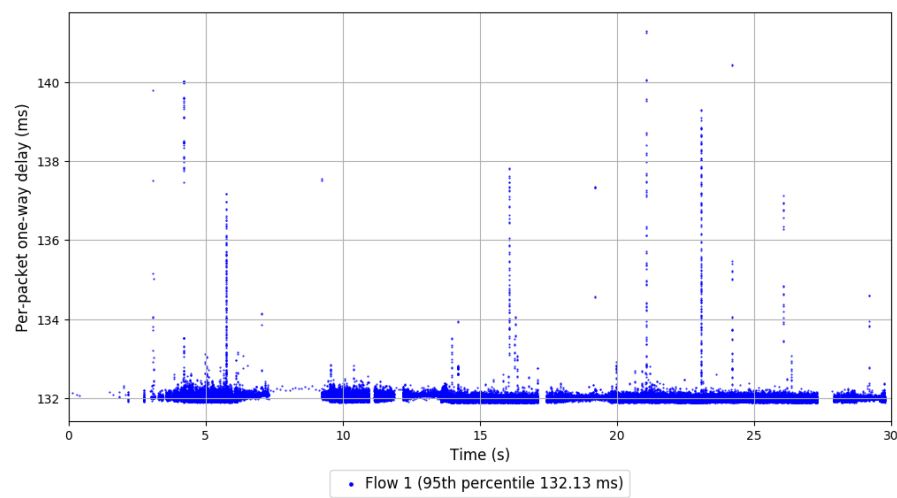
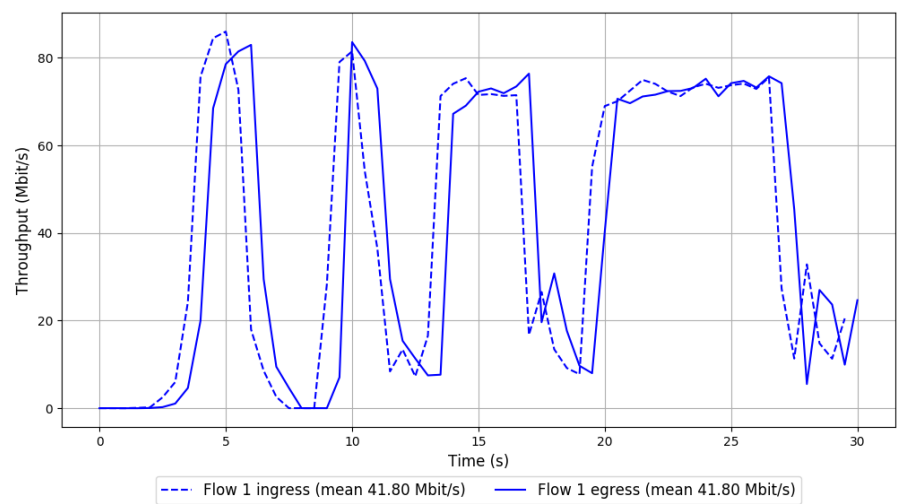


Run 2: Statistics of QUIC Cubic

Start at: 2019-03-09 06:58:00
End at: 2019-03-09 06:58:30
Local clock offset: -0.126 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 132.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 132.130 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-09 07:31:44

End at: 2019-03-09 07:32:14

Local clock offset: -0.121 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-03-09 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.12 Mbit/s

95th percentile per-packet one-way delay: 133.160 ms

Loss rate: 0.00%

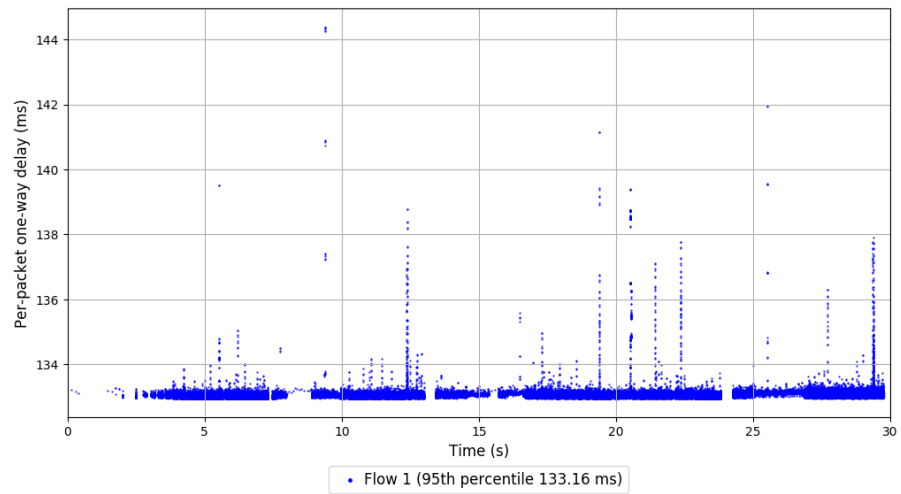
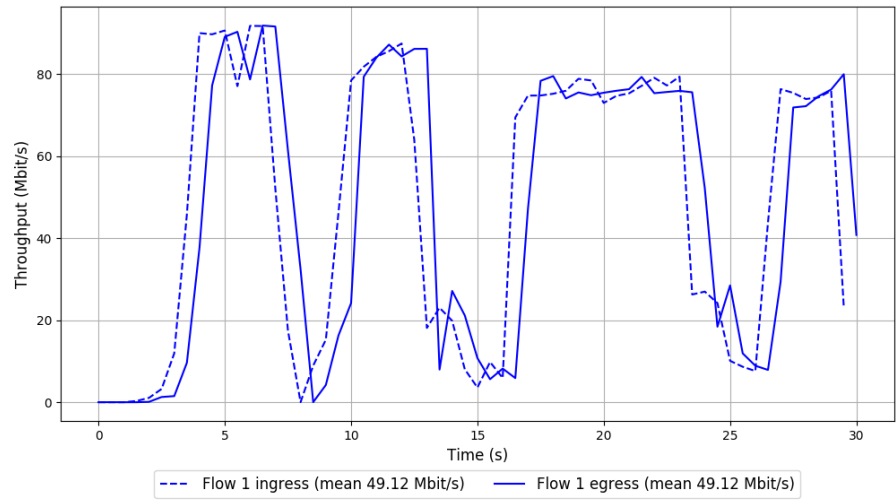
-- Flow 1:

Average throughput: 49.12 Mbit/s

95th percentile per-packet one-way delay: 133.160 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-09 08:07:52

End at: 2019-03-09 08:08:22

Local clock offset: -0.481 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-03-09 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.52 Mbit/s

95th percentile per-packet one-way delay: 133.242 ms

Loss rate: 0.00%

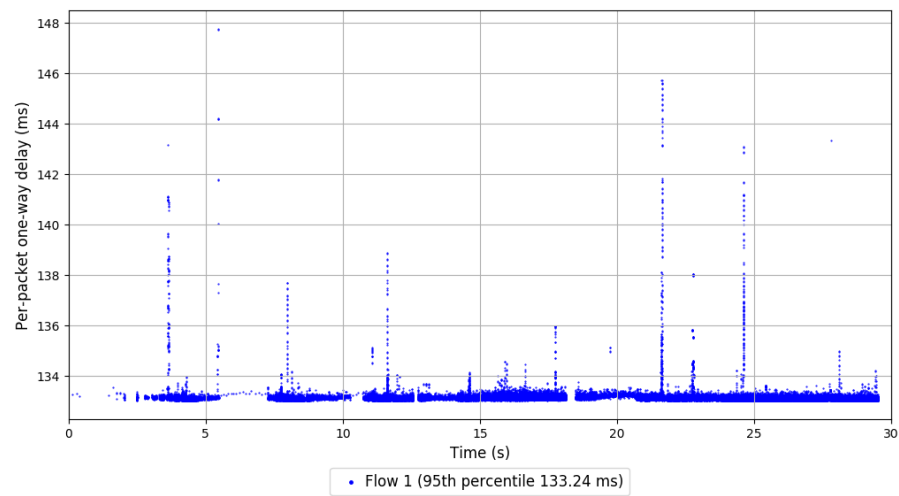
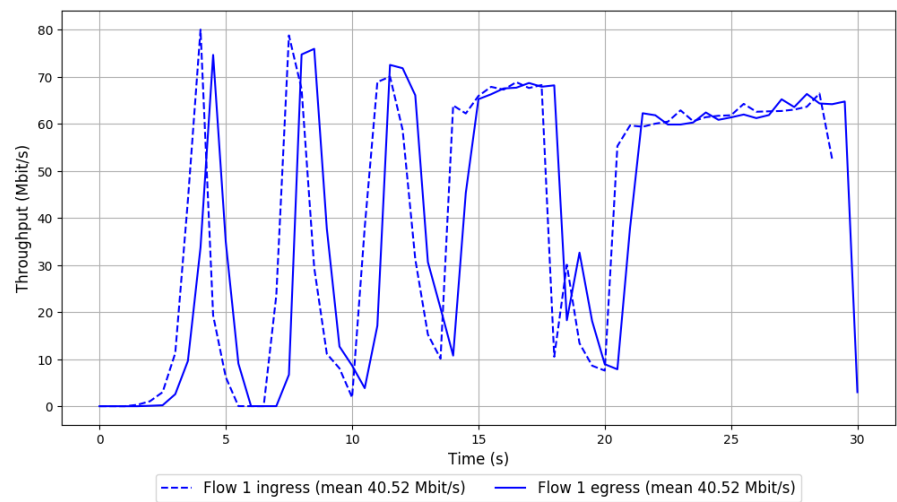
-- Flow 1:

Average throughput: 40.52 Mbit/s

95th percentile per-packet one-way delay: 133.242 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

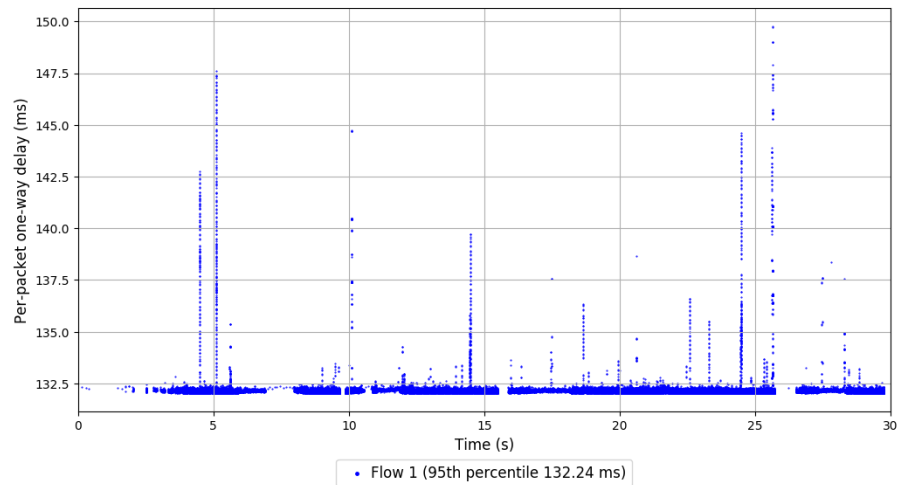
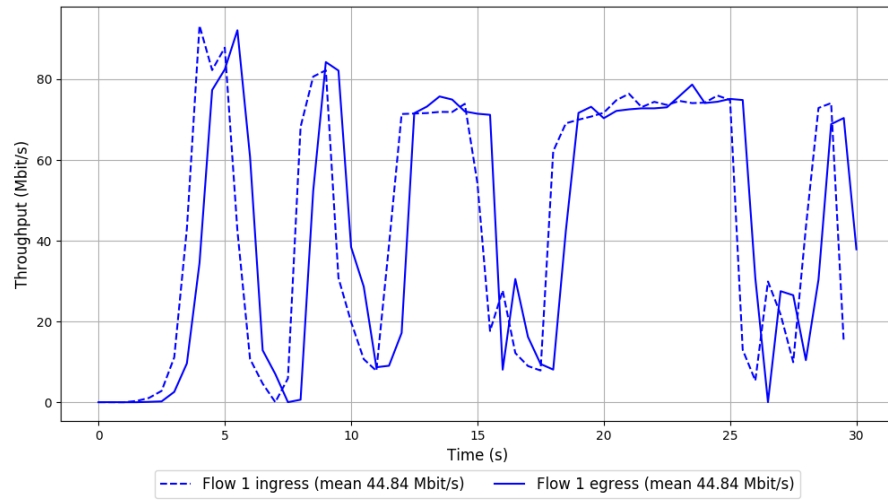


Run 5: Statistics of QUIC Cubic

Start at: 2019-03-09 08:42:49
End at: 2019-03-09 08:43:19
Local clock offset: -0.079 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 132.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 132.237 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

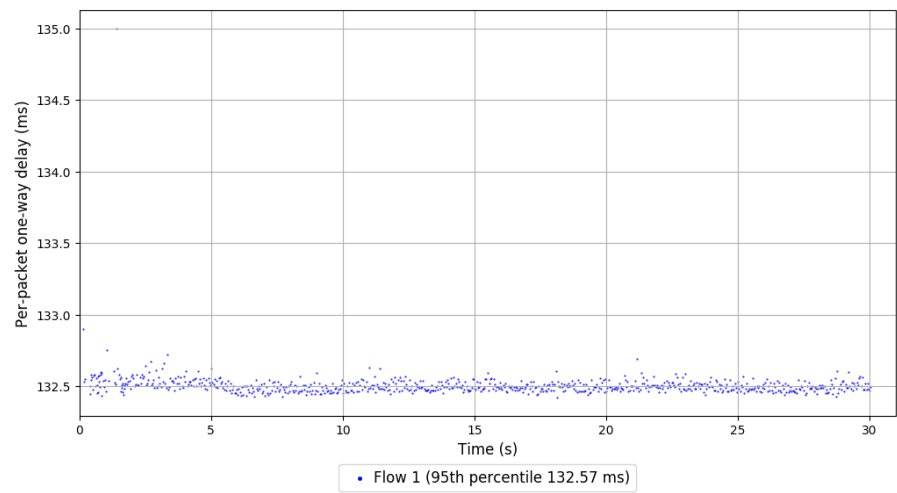
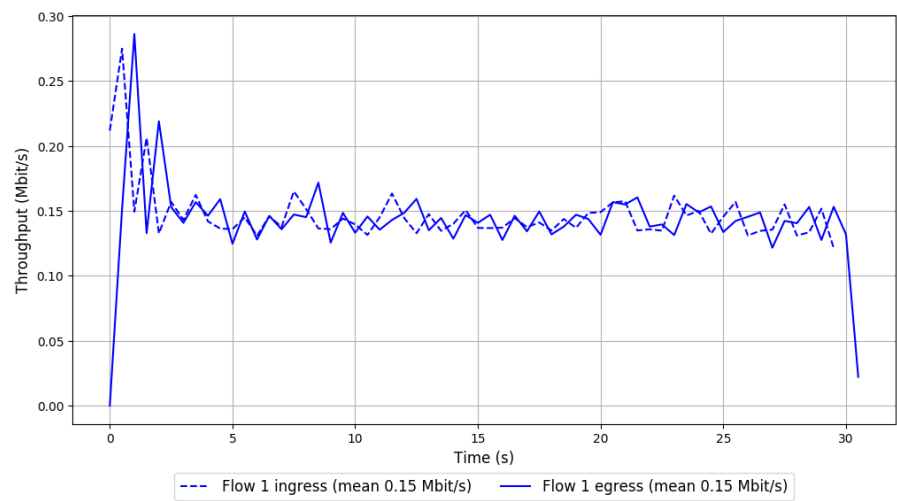


Run 1: Statistics of SCReAM

Start at: 2019-03-09 06:16:32
End at: 2019-03-09 06:17:02
Local clock offset: -0.326 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.572 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

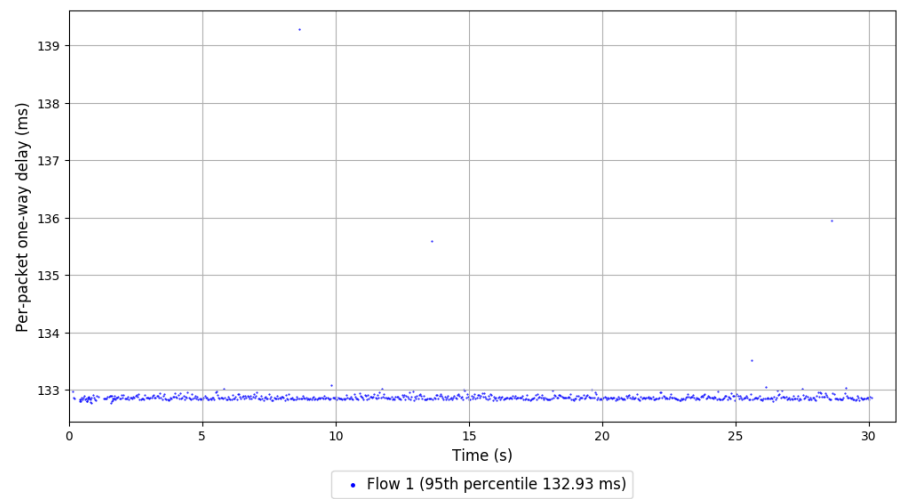
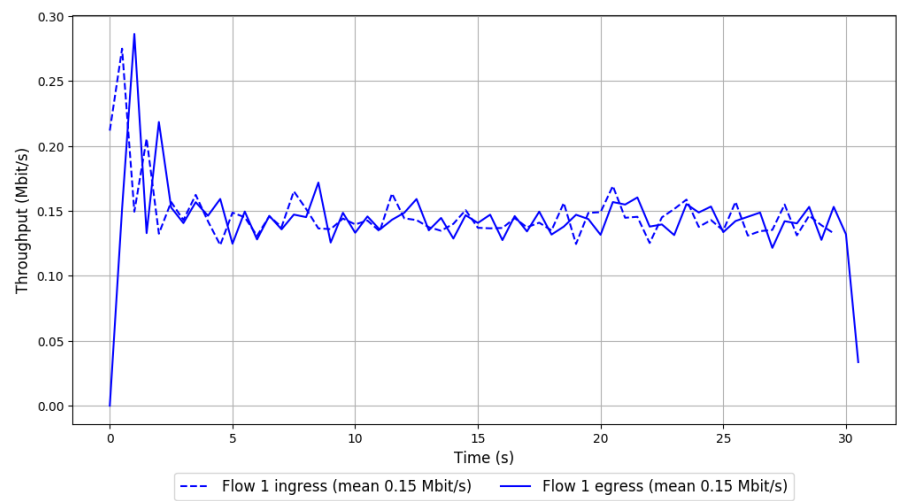


Run 2: Statistics of SCReAM

Start at: 2019-03-09 06:51:26
End at: 2019-03-09 06:51:56
Local clock offset: -0.133 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.934 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

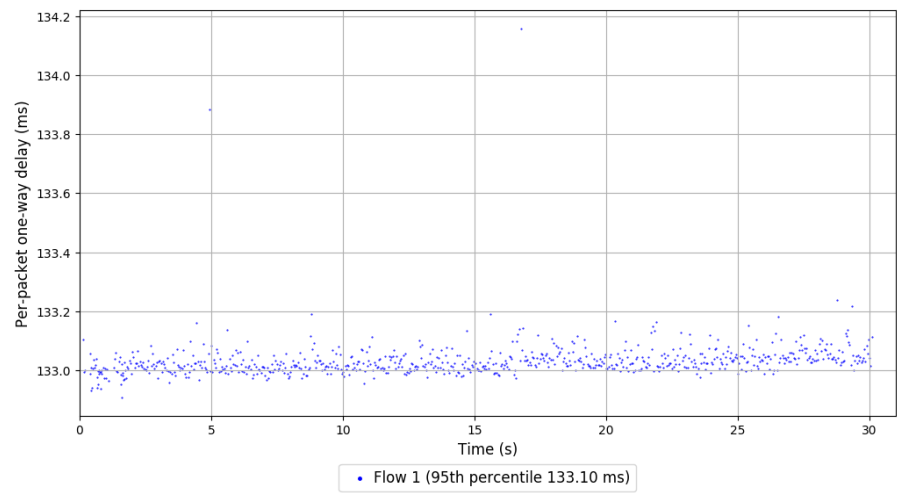
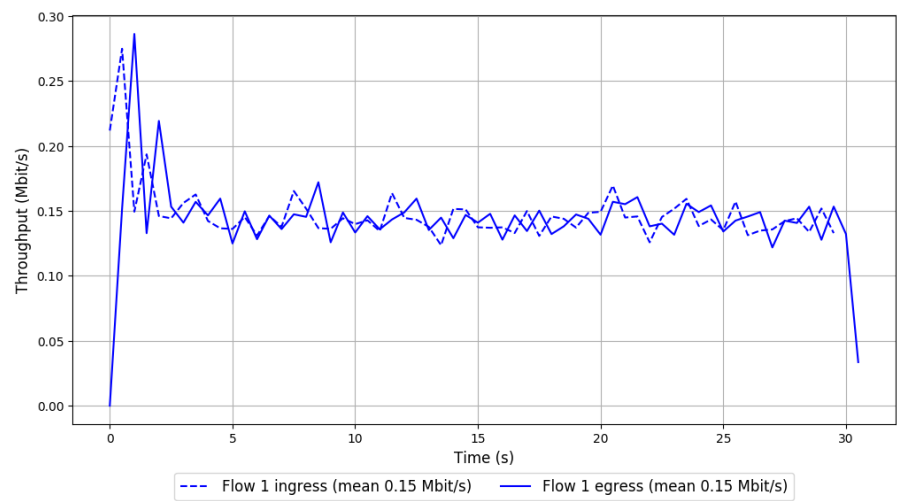


Run 3: Statistics of SCReAM

Start at: 2019-03-09 07:25:05
End at: 2019-03-09 07:25:35
Local clock offset: 0.107 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.105 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

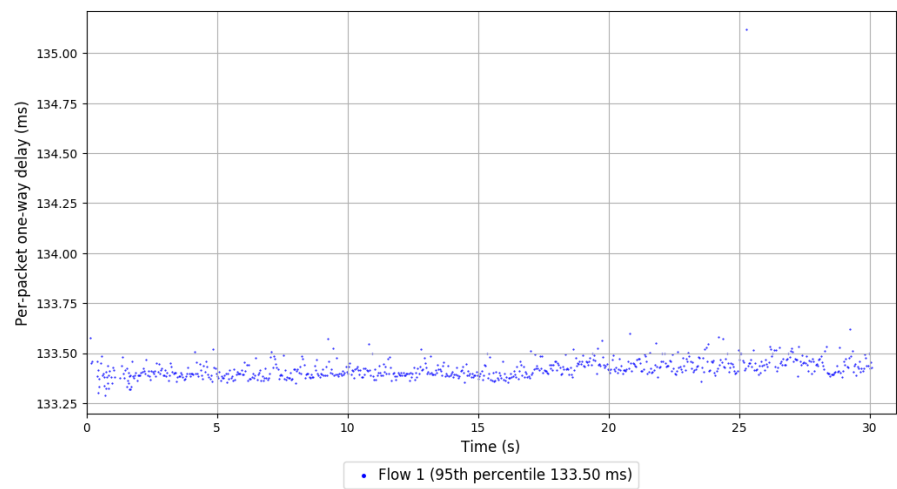
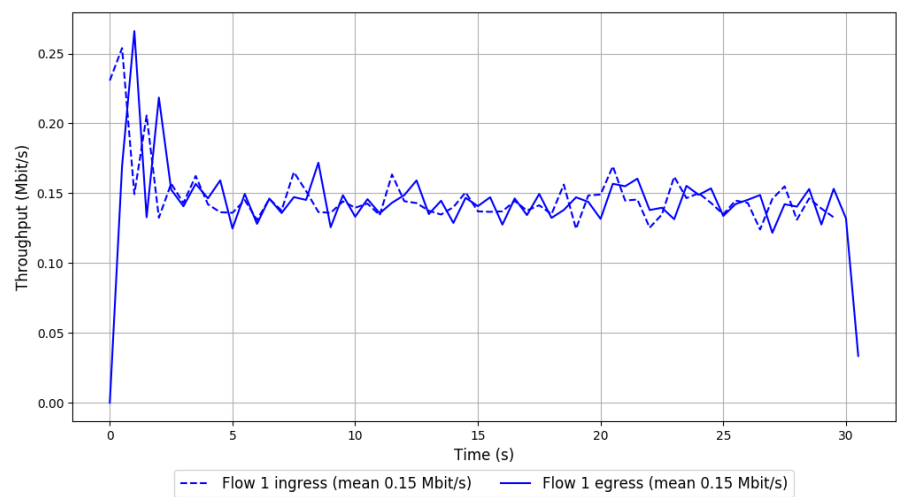


Run 4: Statistics of SCReAM

Start at: 2019-03-09 08:01:19
End at: 2019-03-09 08:01:49
Local clock offset: -0.366 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.502 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

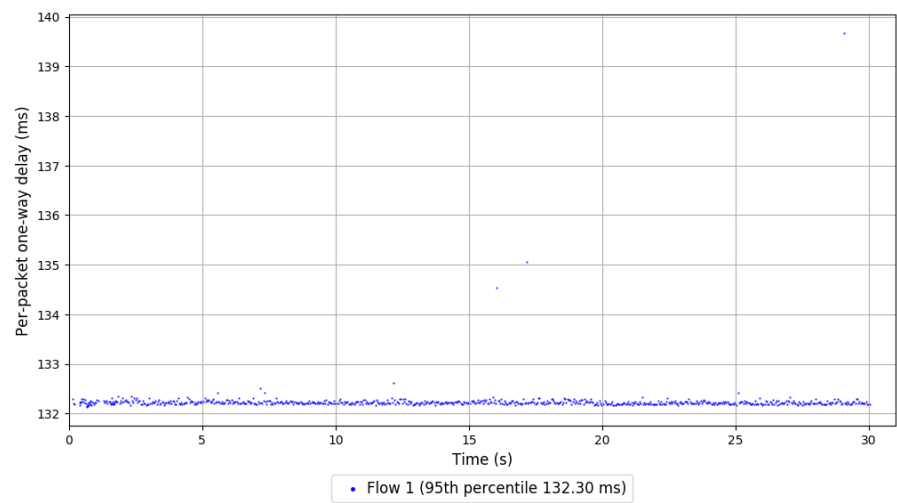
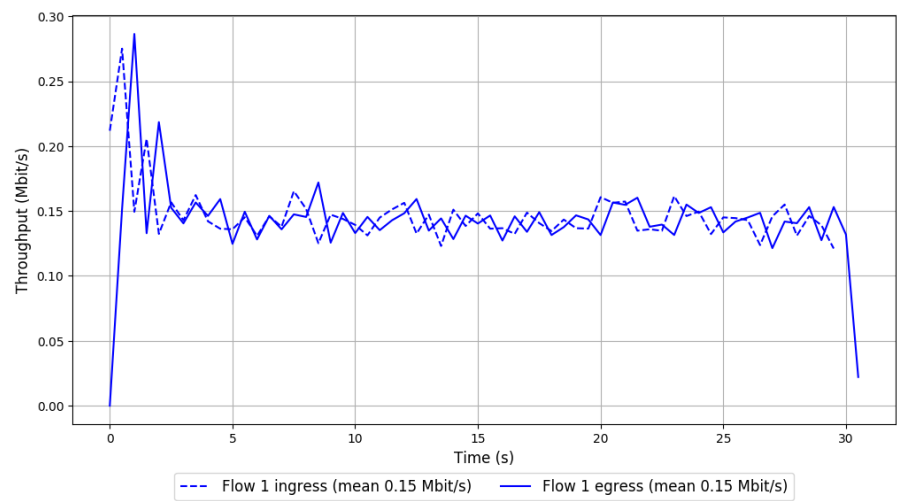


Run 5: Statistics of SCReAM

Start at: 2019-03-09 08:36:07
End at: 2019-03-09 08:36:38
Local clock offset: -0.057 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.297 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-03-09 06:32:55

End at: 2019-03-09 06:33:25

Local clock offset: -0.487 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2019-03-09 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 134.000 ms

Loss rate: 0.00%

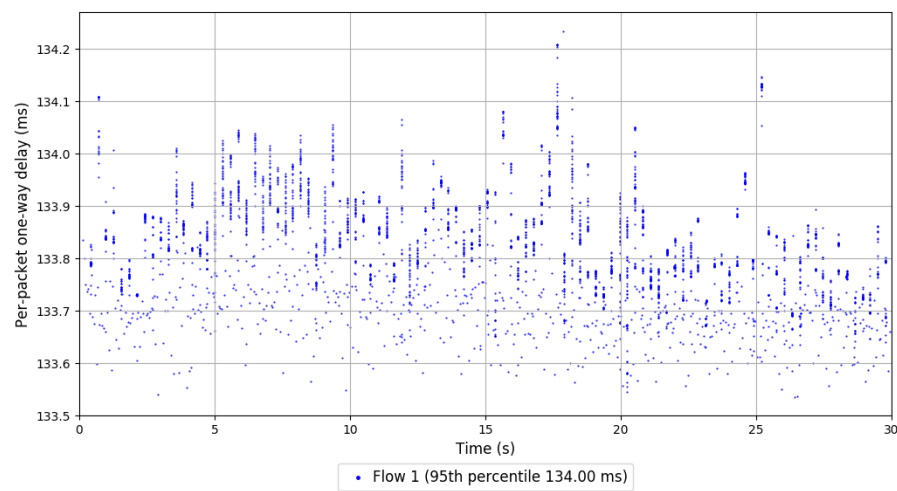
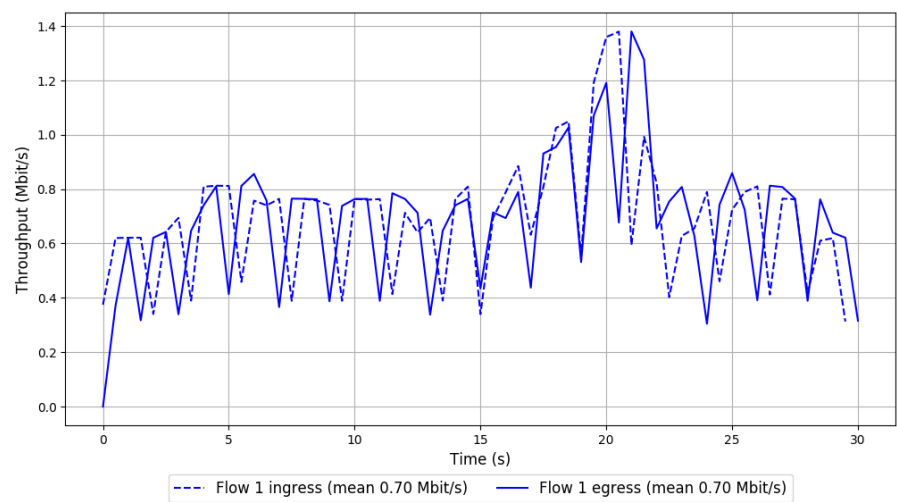
-- Flow 1:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 134.000 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

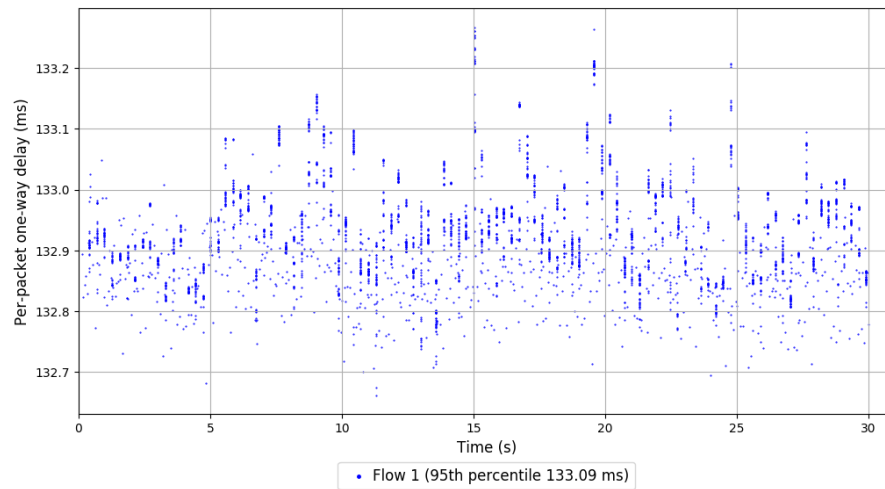
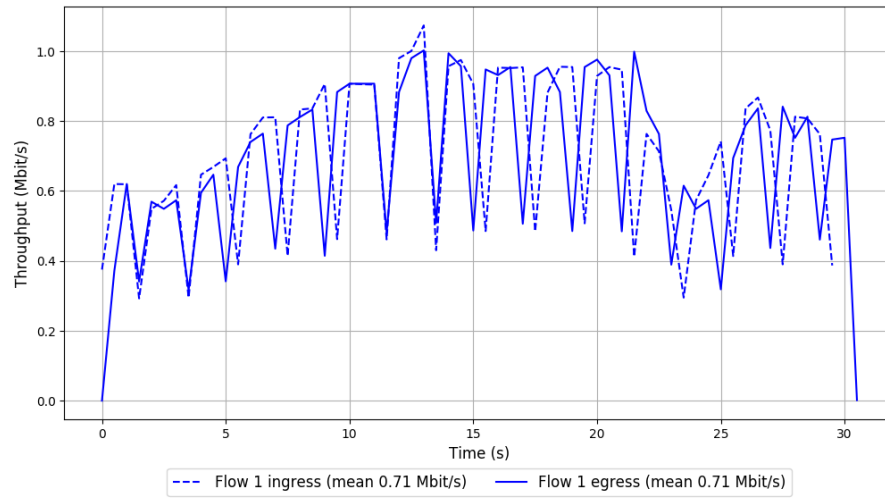


Run 2: Statistics of Sprout

Start at: 2019-03-09 07:07:35
End at: 2019-03-09 07:08:05
Local clock offset: -0.396 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 133.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 133.091 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

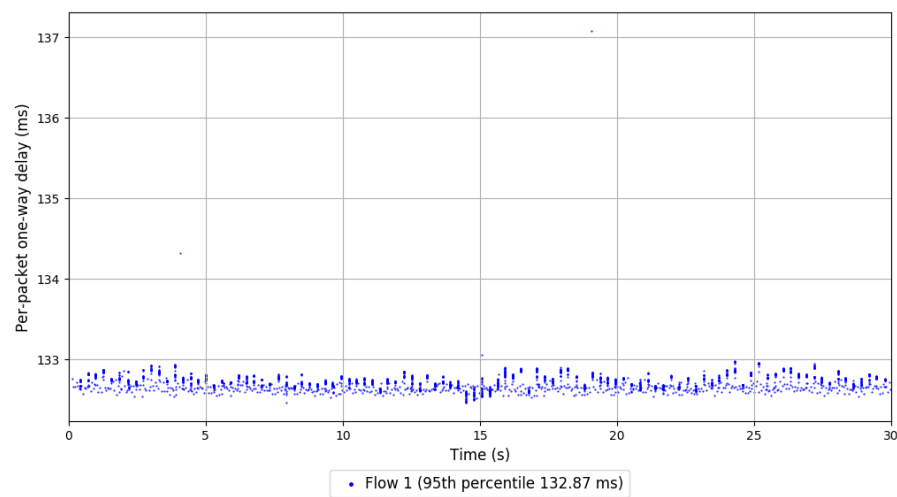
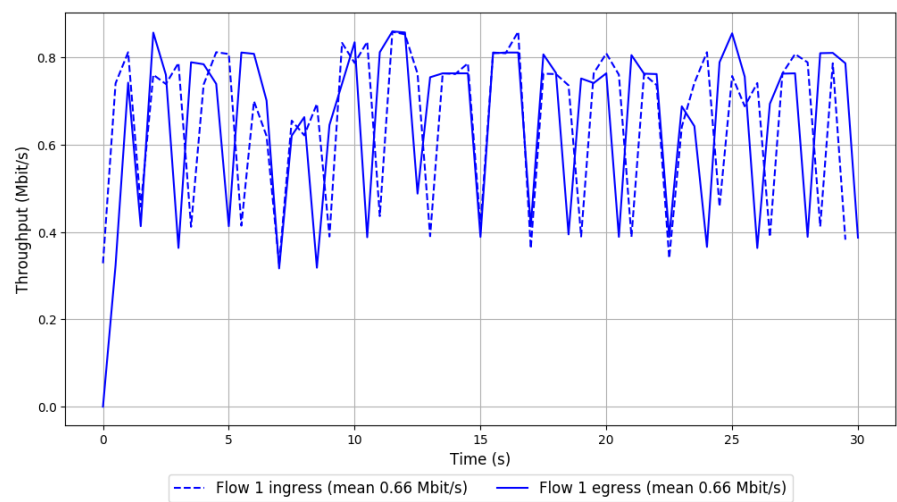


Run 3: Statistics of Sprout

Start at: 2019-03-09 07:41:22
End at: 2019-03-09 07:41:52
Local clock offset: 0.257 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-03-09 10:27:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 132.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 132.868 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-03-09 08:16:32

End at: 2019-03-09 08:17:02

Local clock offset: 0.006 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-03-09 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 132.696 ms

Loss rate: 0.00%

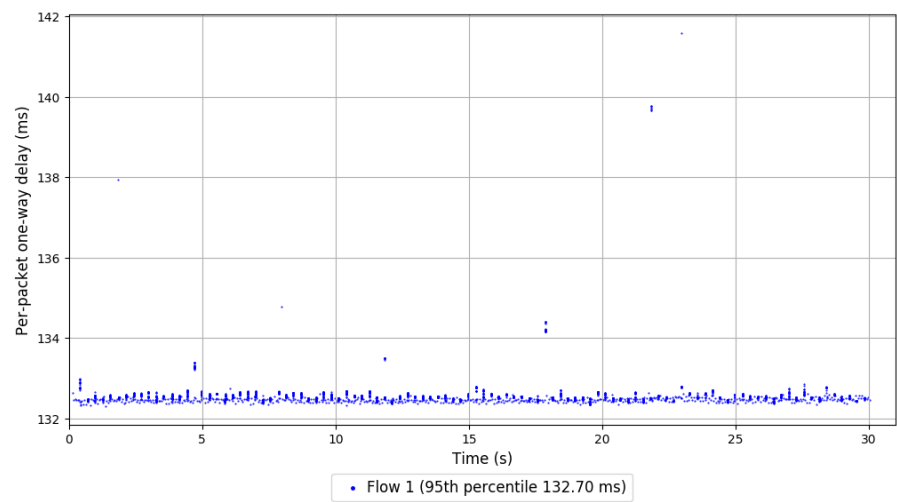
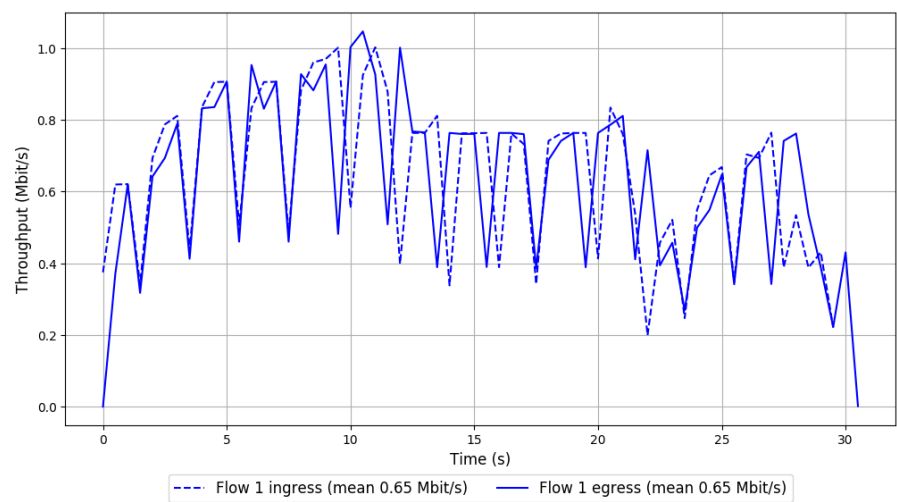
-- Flow 1:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 132.696 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-03-09 08:52:28

End at: 2019-03-09 08:52:58

Local clock offset: -0.488 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2019-03-09 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 134.117 ms

Loss rate: 0.00%

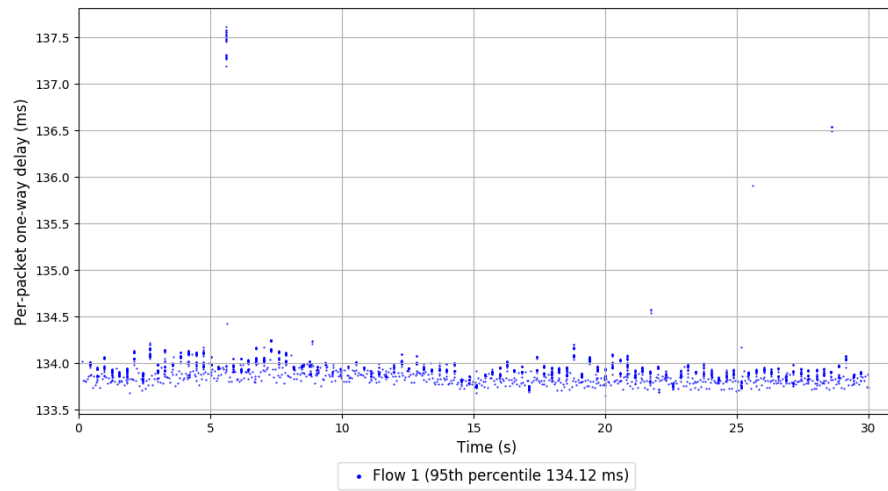
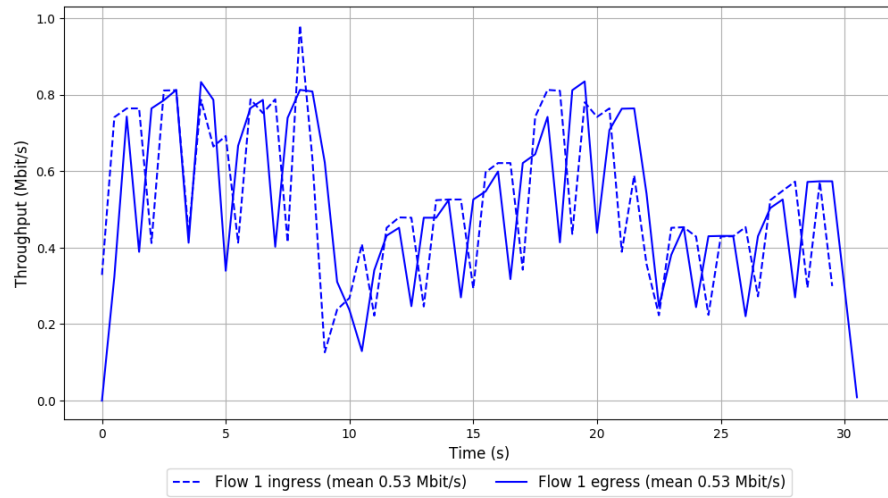
-- Flow 1:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 134.117 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

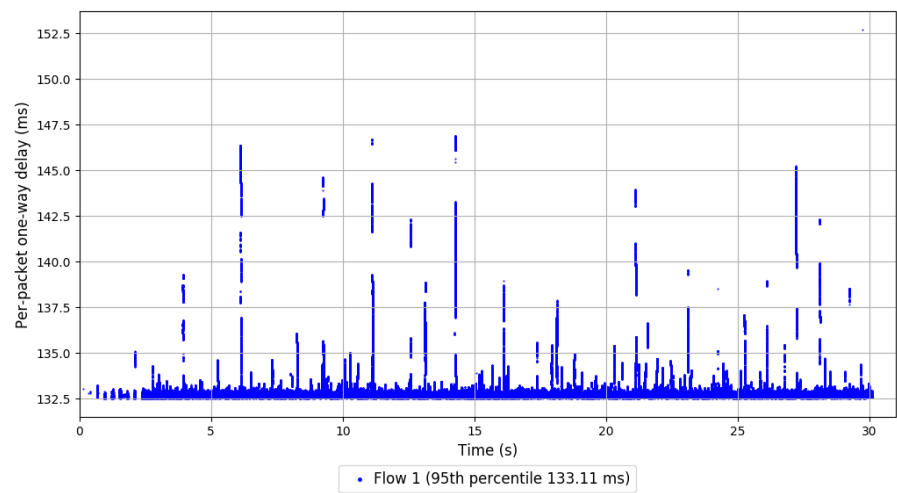
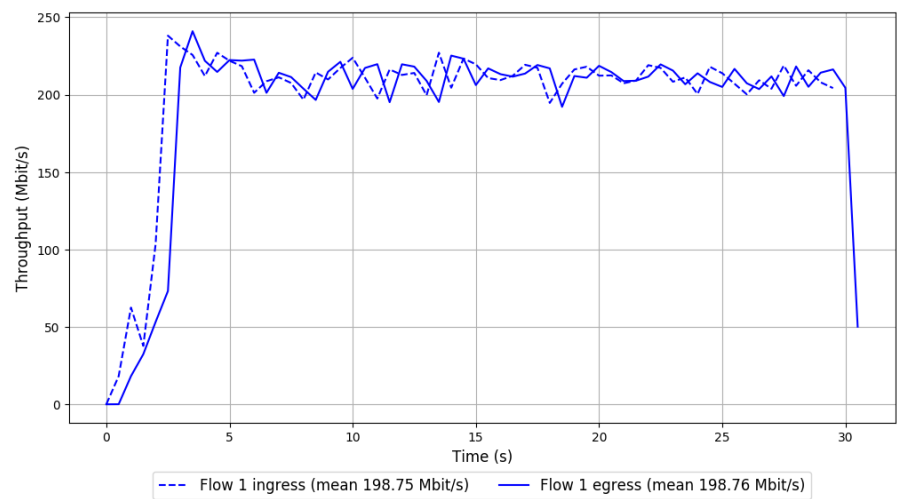



```
Run 1: Statistics of TaoVA-100x

Start at: 2019-03-09 06:24:25
End at: 2019-03-09 06:24:55
Local clock offset: 0.164 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2019-03-09 10:27:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.76 Mbit/s
95th percentile per-packet one-way delay: 133.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.76 Mbit/s
95th percentile per-packet one-way delay: 133.109 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-09 06:59:15

End at: 2019-03-09 06:59:45

Local clock offset: 0.018 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-03-09 10:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.28 Mbit/s

95th percentile per-packet one-way delay: 133.255 ms

Loss rate: 0.00%

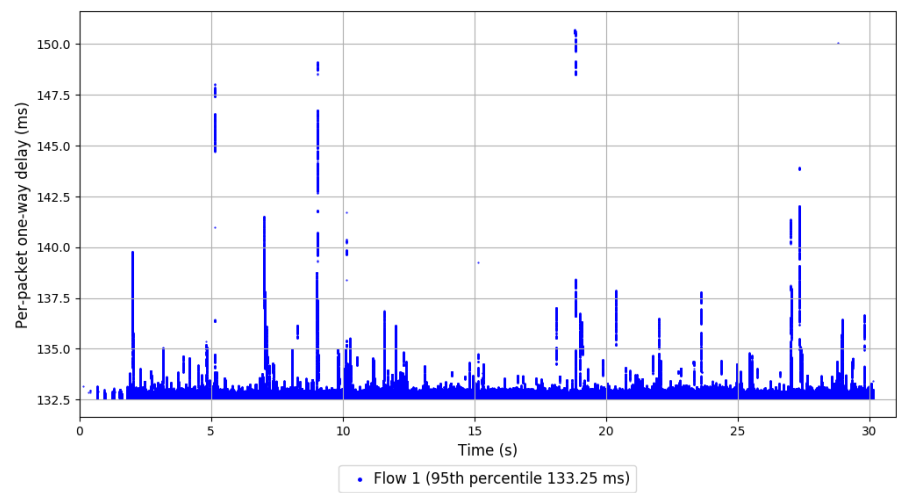
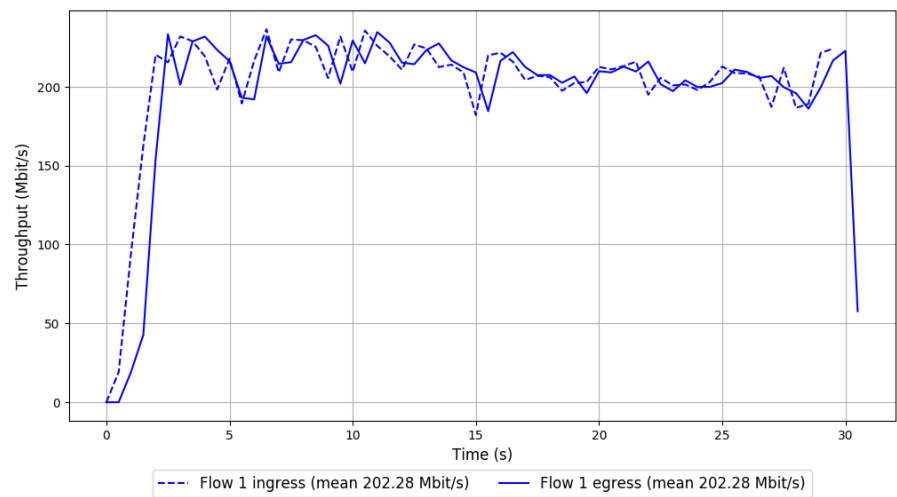
-- Flow 1:

Average throughput: 202.28 Mbit/s

95th percentile per-packet one-way delay: 133.255 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-09 07:32:58

End at: 2019-03-09 07:33:28

Local clock offset: -0.58 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-03-09 10:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.69 Mbit/s

95th percentile per-packet one-way delay: 133.736 ms

Loss rate: 0.00%

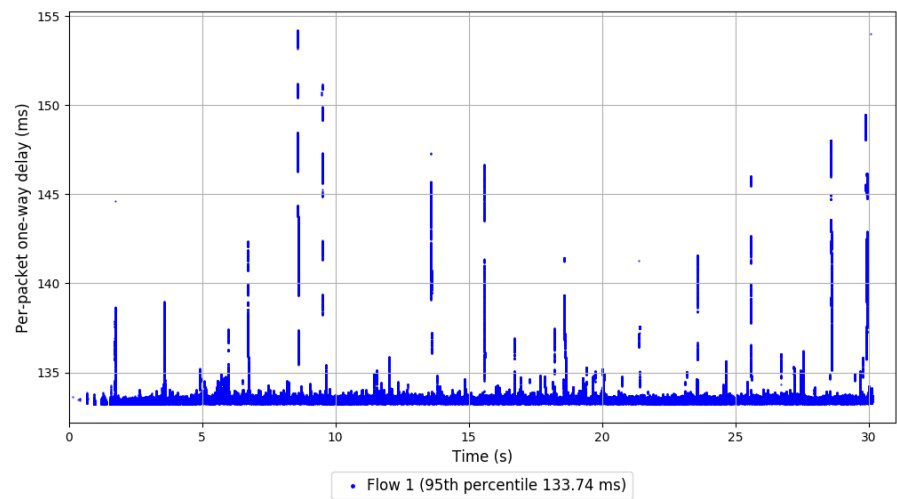
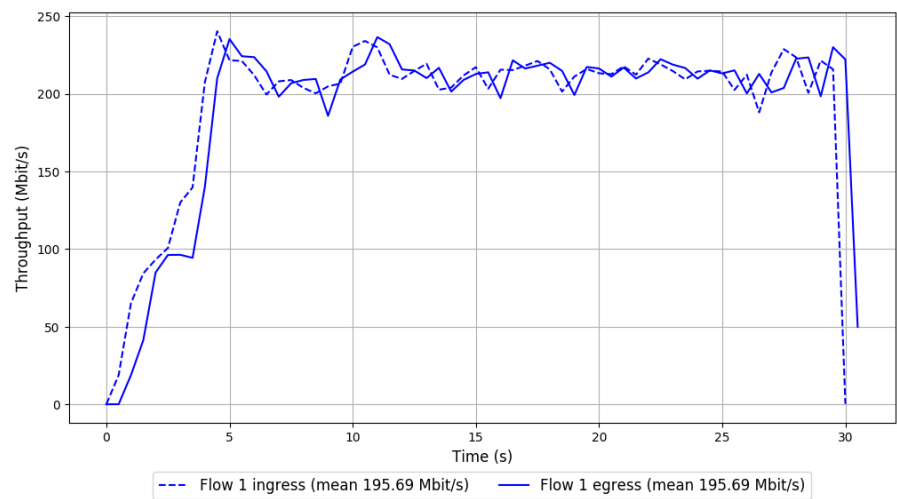
-- Flow 1:

Average throughput: 195.69 Mbit/s

95th percentile per-packet one-way delay: 133.736 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-09 08:09:06

End at: 2019-03-09 08:09:36

Local clock offset: 0.186 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-03-09 10:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 132.569 ms

Loss rate: 0.00%

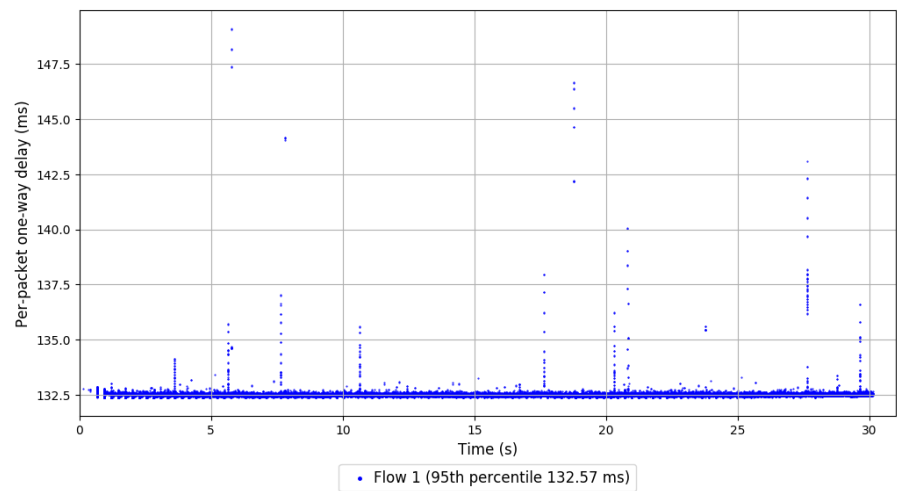
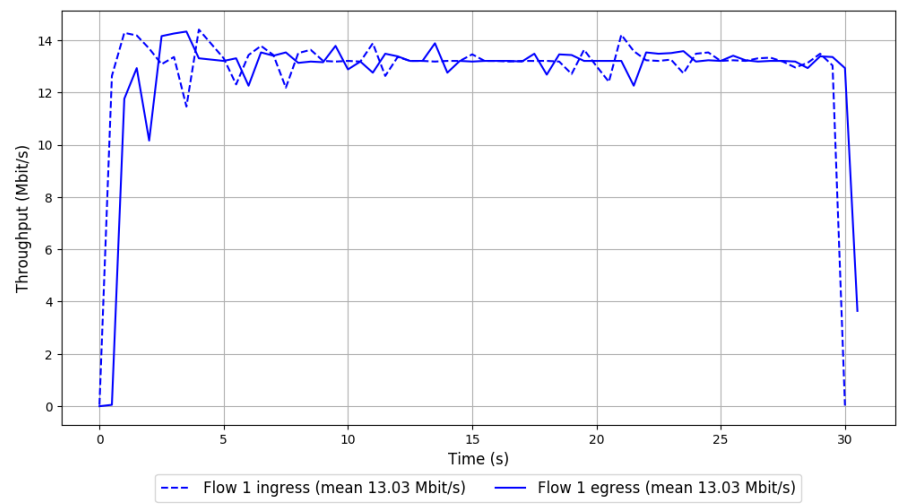
-- Flow 1:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 132.569 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-09 08:44:04

End at: 2019-03-09 08:44:34

Local clock offset: -0.077 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-03-09 10:28:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.24 Mbit/s

95th percentile per-packet one-way delay: 133.512 ms

Loss rate: 0.01%

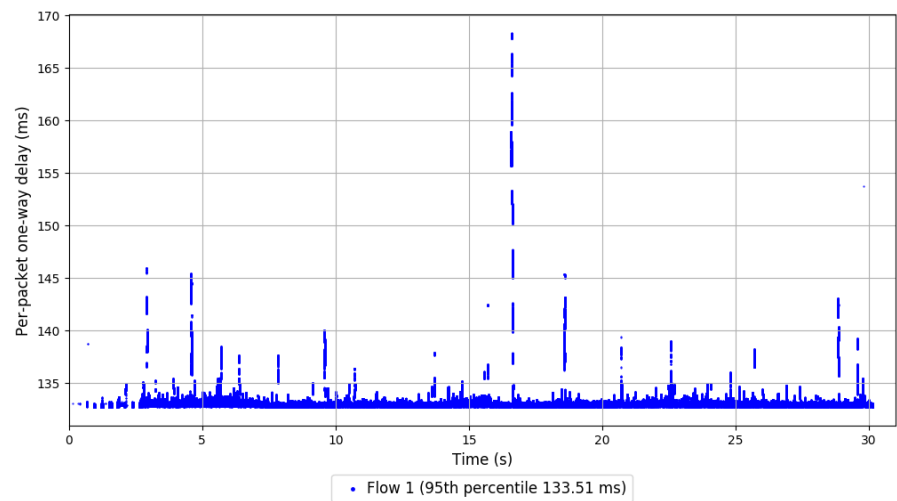
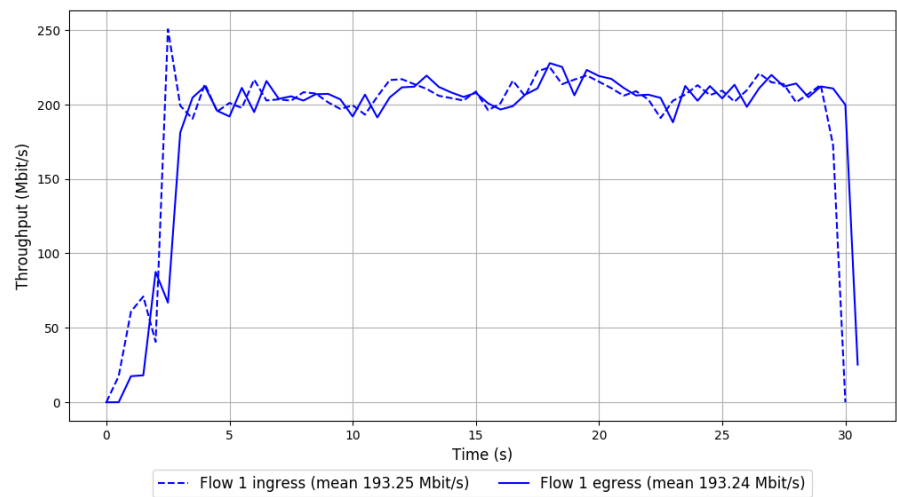
-- Flow 1:

Average throughput: 193.24 Mbit/s

95th percentile per-packet one-way delay: 133.512 ms

Loss rate: 0.01%

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

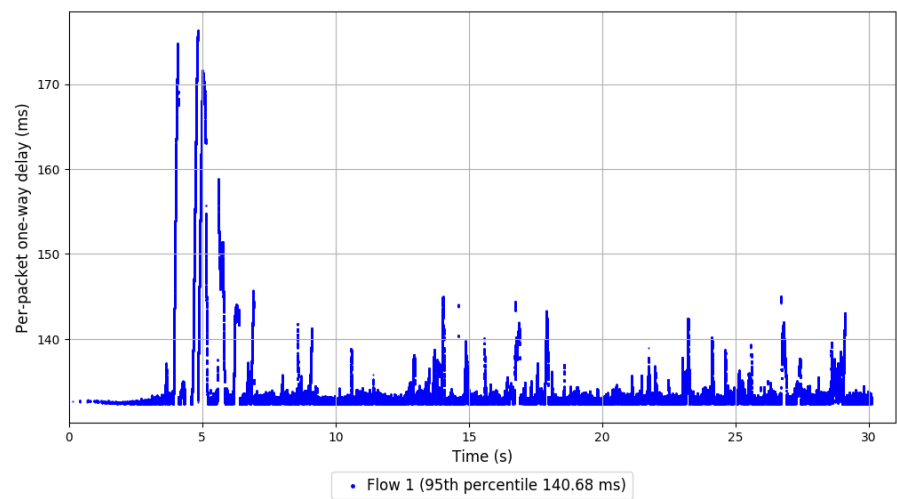
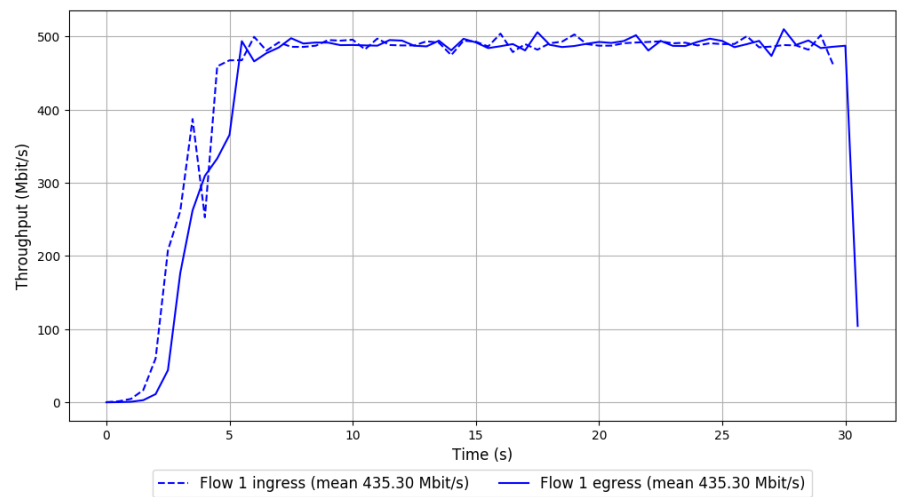


Run 1: Statistics of TCP Vegas

Start at: 2019-03-09 06:07:38
End at: 2019-03-09 06:08:08
Local clock offset: -0.09 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-03-09 10:30:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 435.30 Mbit/s
95th percentile per-packet one-way delay: 140.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 435.30 Mbit/s
95th percentile per-packet one-way delay: 140.675 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

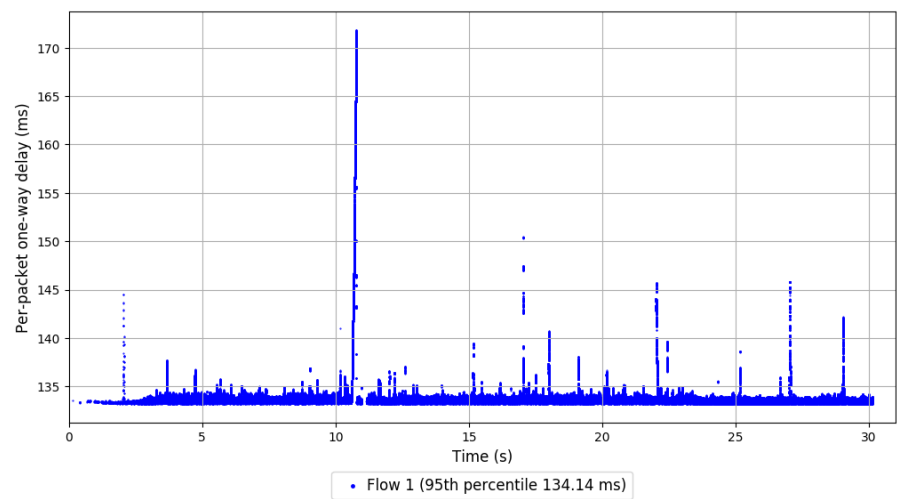
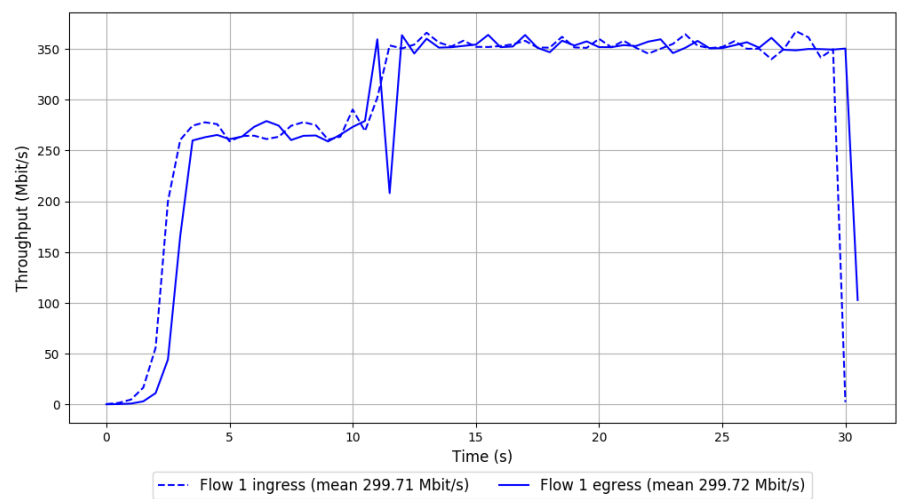


Run 2: Statistics of TCP Vegas

Start at: 2019-03-09 06:42:15
End at: 2019-03-09 06:42:45
Local clock offset: -0.516 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-03-09 10:31:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.72 Mbit/s
95th percentile per-packet one-way delay: 134.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 299.72 Mbit/s
95th percentile per-packet one-way delay: 134.143 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

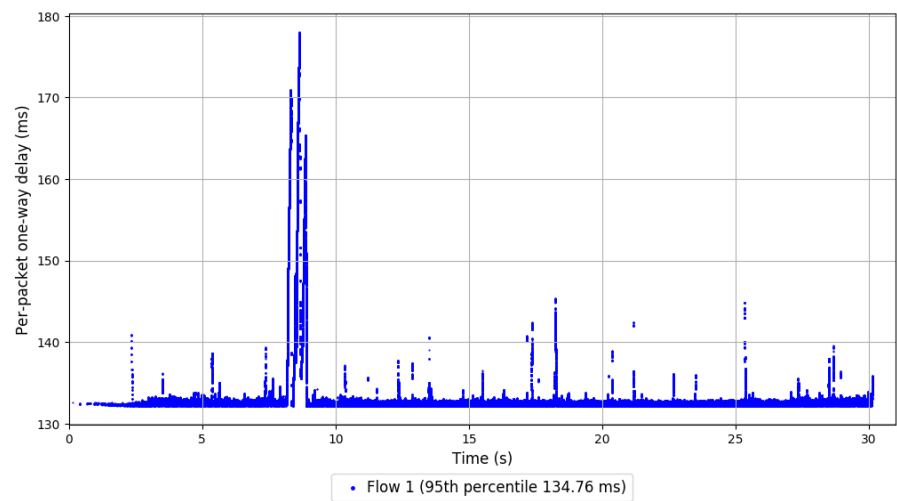
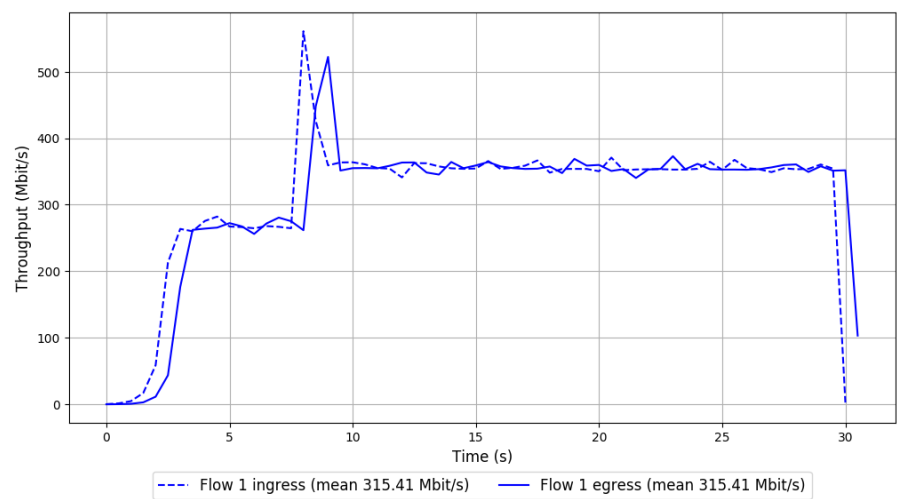


Run 3: Statistics of TCP Vegas

Start at: 2019-03-09 07:16:16
End at: 2019-03-09 07:16:46
Local clock offset: -0.353 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-03-09 10:32:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.41 Mbit/s
95th percentile per-packet one-way delay: 134.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 315.41 Mbit/s
95th percentile per-packet one-way delay: 134.759 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-03-09 07:51:29

End at: 2019-03-09 07:51:59

Local clock offset: 0.067 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-03-09 10:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 432.53 Mbit/s

95th percentile per-packet one-way delay: 146.094 ms

Loss rate: 0.00%

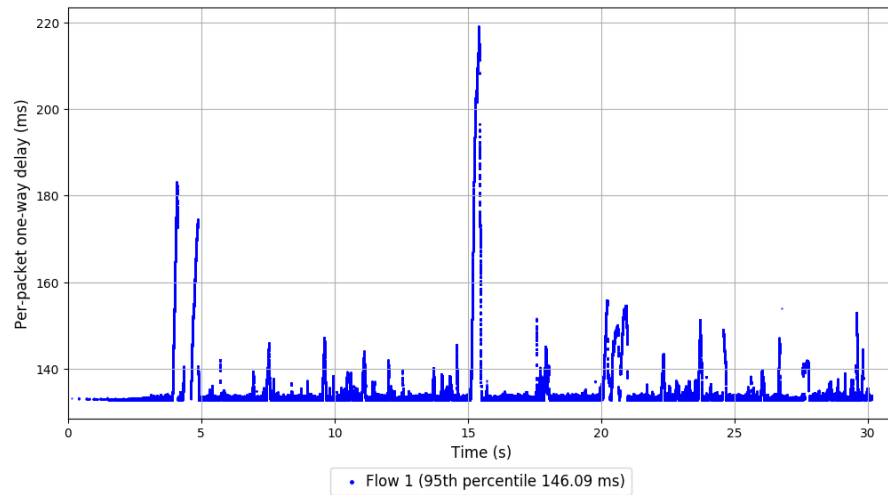
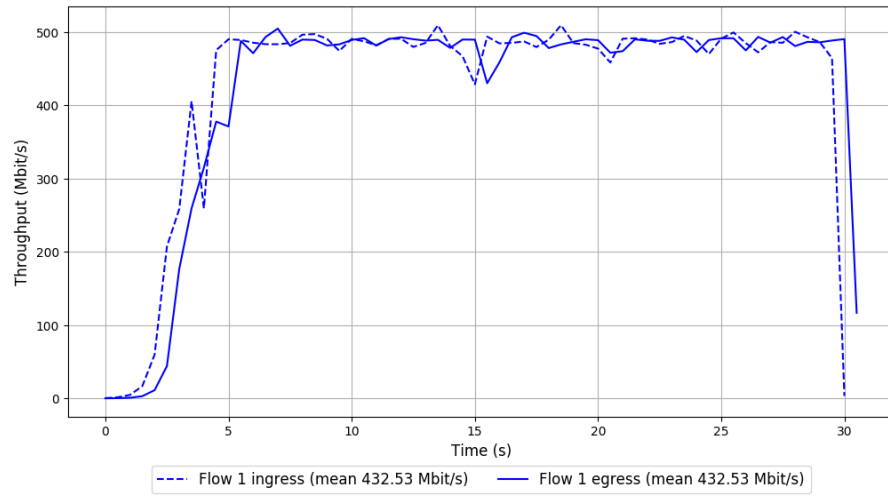
-- Flow 1:

Average throughput: 432.53 Mbit/s

95th percentile per-packet one-way delay: 146.094 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-03-09 08:26:57

End at: 2019-03-09 08:27:27

Local clock offset: 0.132 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2019-03-09 10:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.99 Mbit/s

95th percentile per-packet one-way delay: 136.925 ms

Loss rate: 0.00%

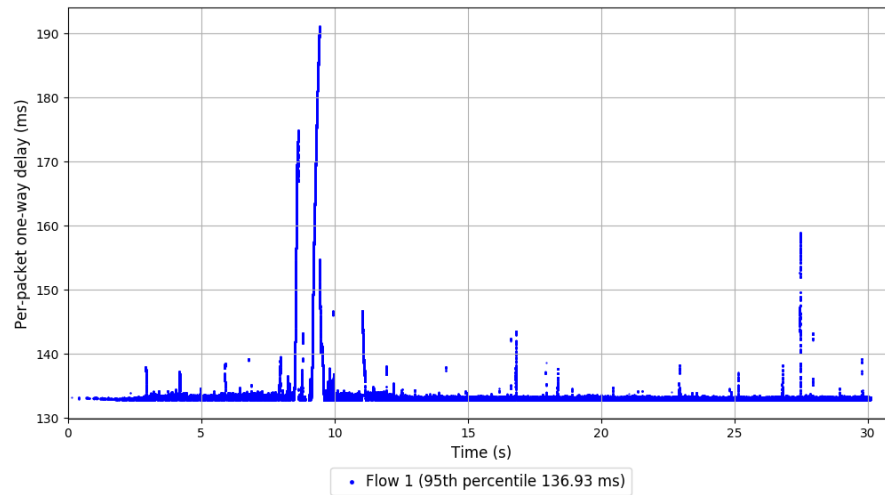
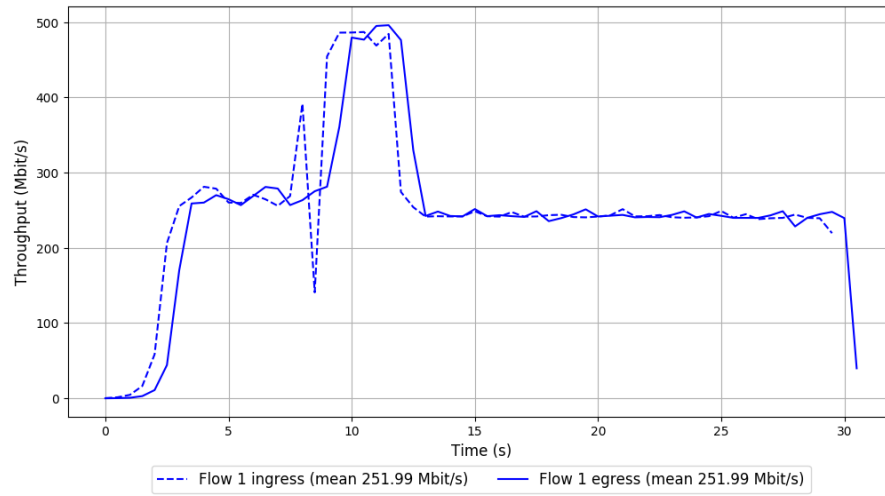
-- Flow 1:

Average throughput: 251.99 Mbit/s

95th percentile per-packet one-way delay: 136.925 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-03-09 06:17:43

End at: 2019-03-09 06:18:13

Local clock offset: 0.017 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-03-09 10:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 142.921 ms

Loss rate: 0.00%

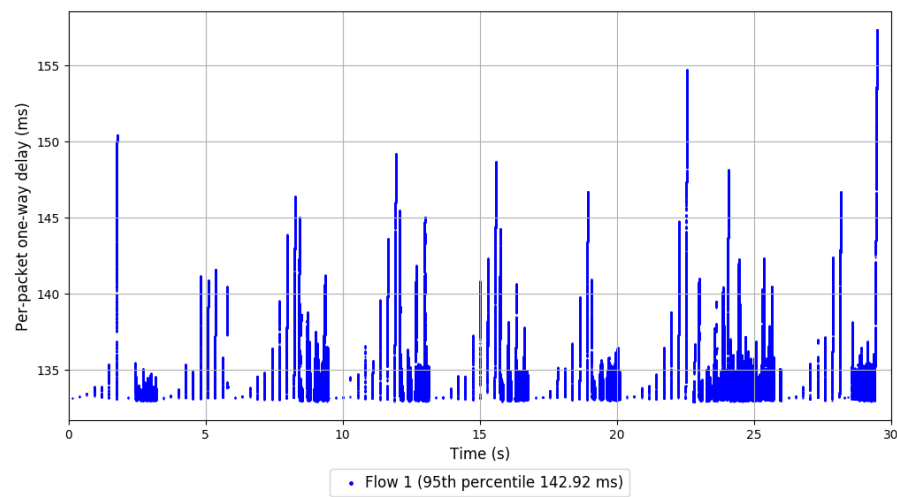
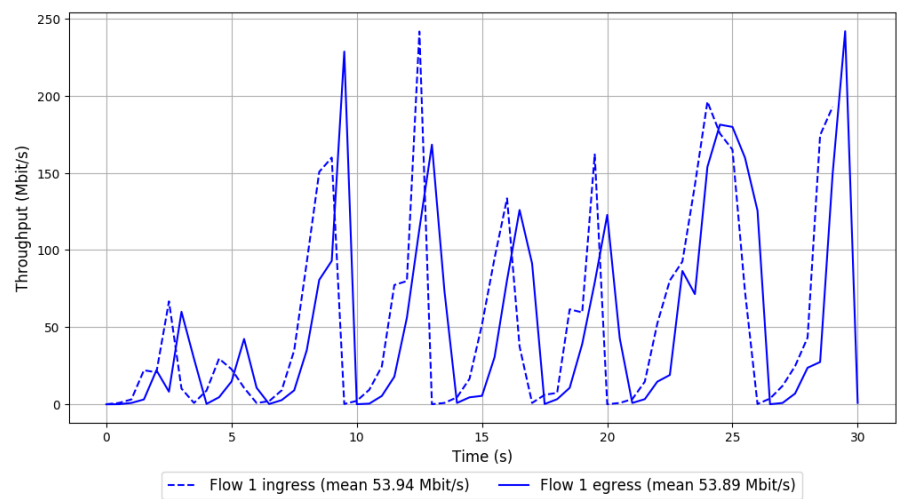
-- Flow 1:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 142.921 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-03-09 06:52:37

End at: 2019-03-09 06:53:07

Local clock offset: -0.366 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-03-09 10:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.99 Mbit/s

95th percentile per-packet one-way delay: 145.979 ms

Loss rate: 0.00%

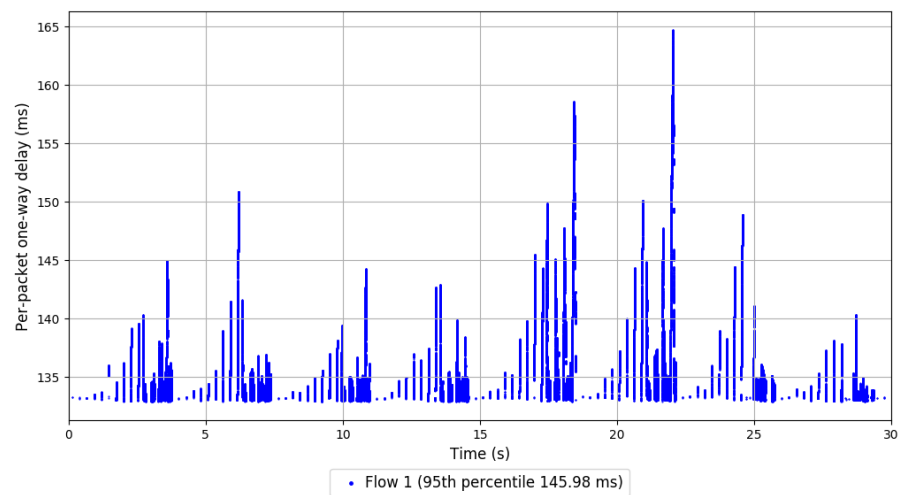
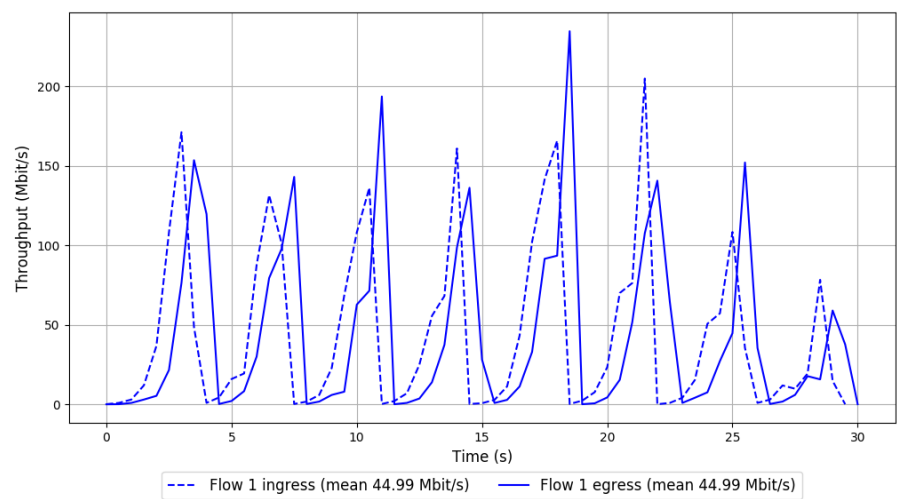
-- Flow 1:

Average throughput: 44.99 Mbit/s

95th percentile per-packet one-way delay: 145.979 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link

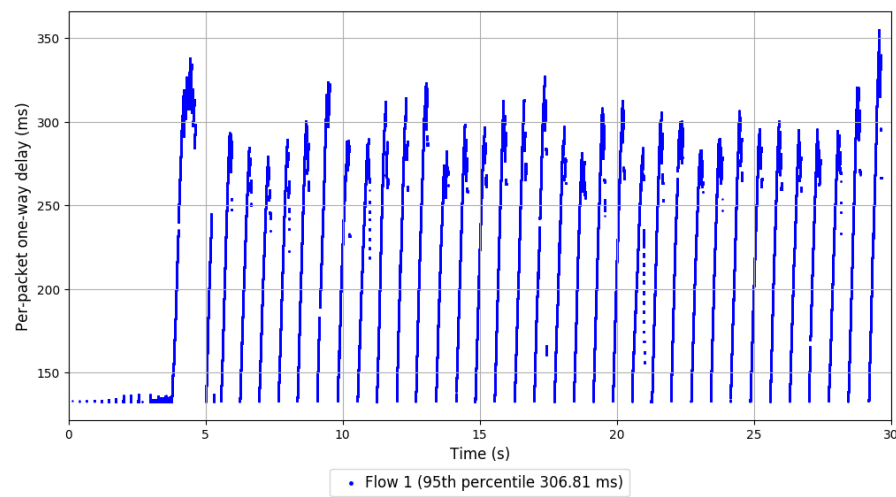
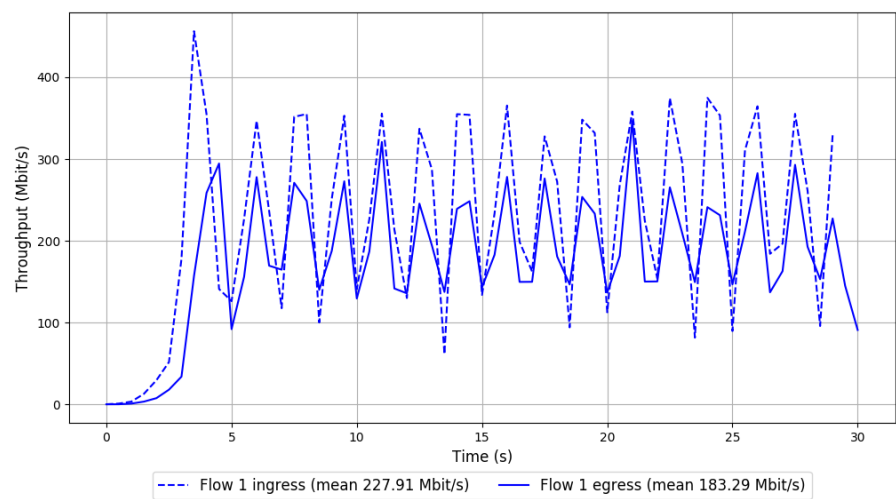


Run 3: Statistics of Verus

Start at: 2019-03-09 07:26:15
End at: 2019-03-09 07:26:45
Local clock offset: -0.291 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-03-09 10:36:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.29 Mbit/s
95th percentile per-packet one-way delay: 306.812 ms
Loss rate: 19.21%
-- Flow 1:
Average throughput: 183.29 Mbit/s
95th percentile per-packet one-way delay: 306.812 ms
Loss rate: 19.21%

Run 3: Report of Verus — Data Link

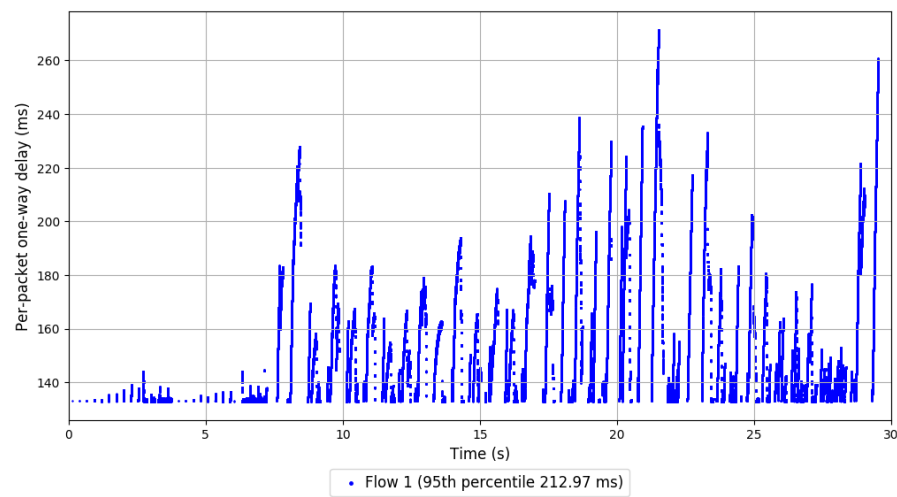
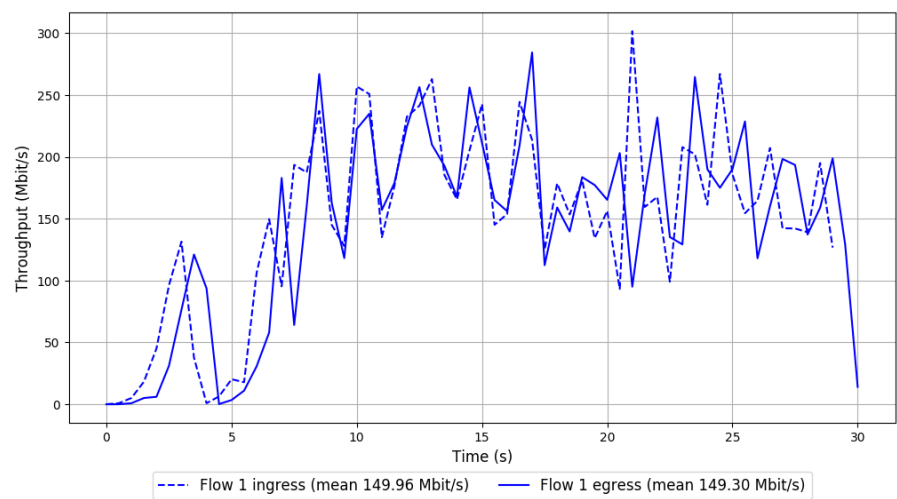


Run 4: Statistics of Verus

Start at: 2019-03-09 08:02:30
End at: 2019-03-09 08:03:00
Local clock offset: -0.073 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-03-09 10:36:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.30 Mbit/s
95th percentile per-packet one-way delay: 212.969 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 149.30 Mbit/s
95th percentile per-packet one-way delay: 212.969 ms
Loss rate: 0.01%

Run 4: Report of Verus — Data Link

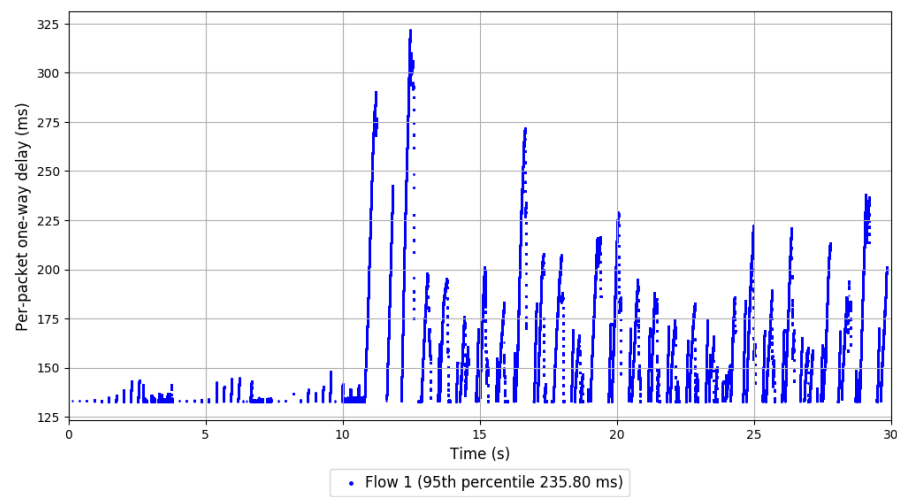
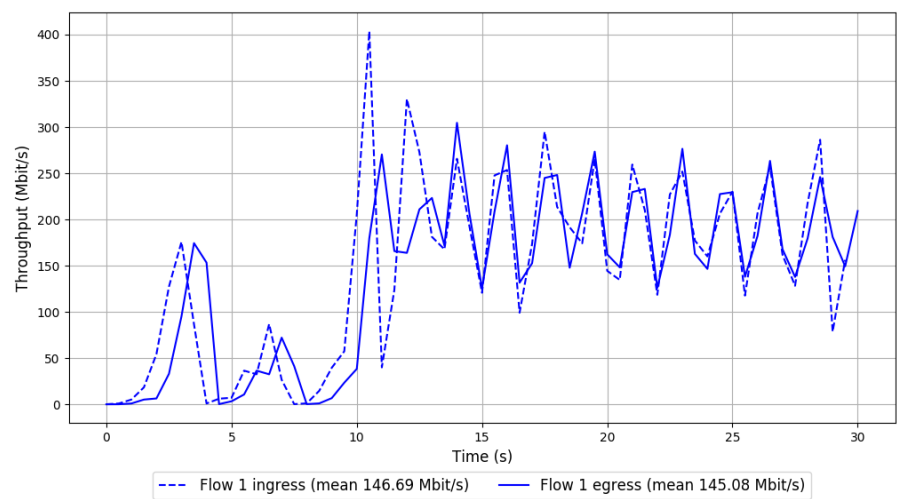


Run 5: Statistics of Verus

Start at: 2019-03-09 08:37:18
End at: 2019-03-09 08:37:48
Local clock offset: 0.281 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-03-09 10:36:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.08 Mbit/s
95th percentile per-packet one-way delay: 235.802 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 145.08 Mbit/s
95th percentile per-packet one-way delay: 235.802 ms
Loss rate: 1.09%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-09 06:29:14

End at: 2019-03-09 06:29:44

Local clock offset: 0.197 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-09 10:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.96 Mbit/s

95th percentile per-packet one-way delay: 140.436 ms

Loss rate: 0.00%

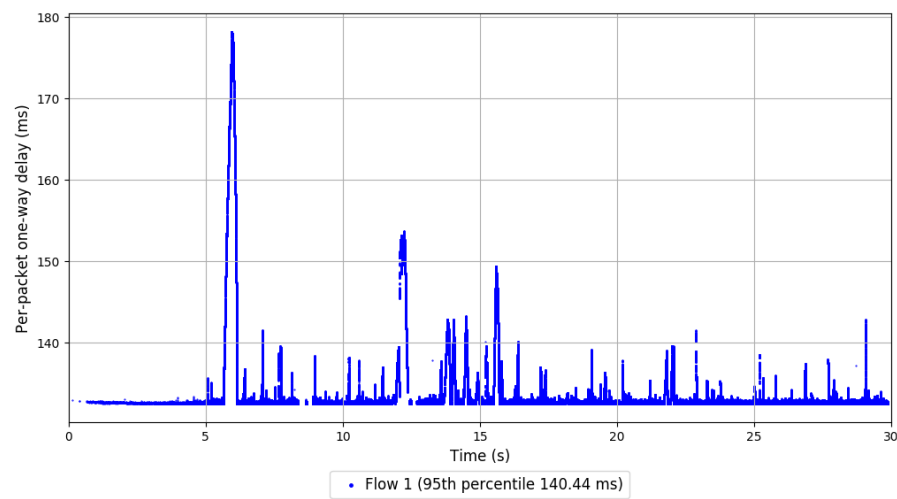
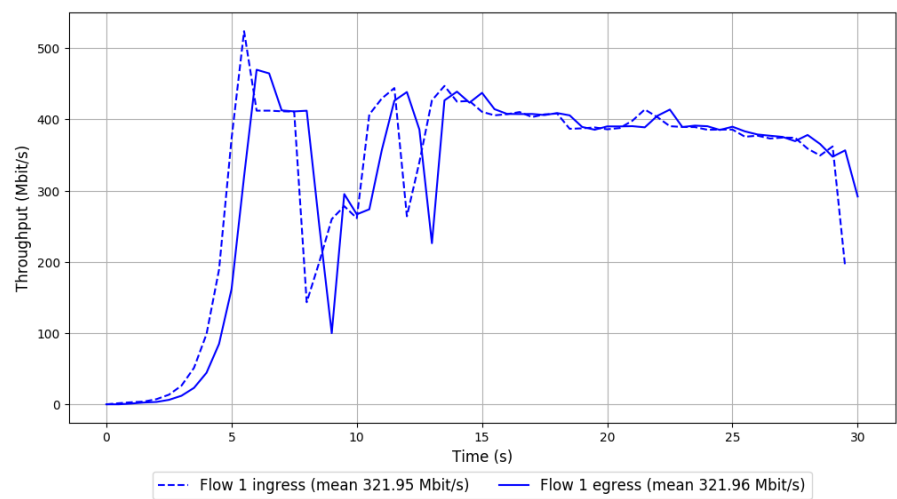
-- Flow 1:

Average throughput: 321.96 Mbit/s

95th percentile per-packet one-way delay: 140.436 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-09 07:04:03

End at: 2019-03-09 07:04:33

Local clock offset: -0.576 ms

Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-03-09 10:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.80 Mbit/s

95th percentile per-packet one-way delay: 157.297 ms

Loss rate: 0.01%

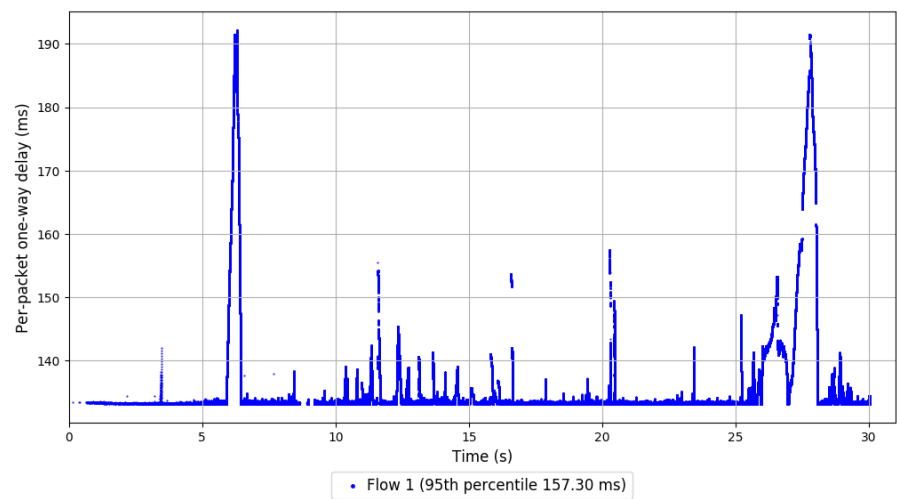
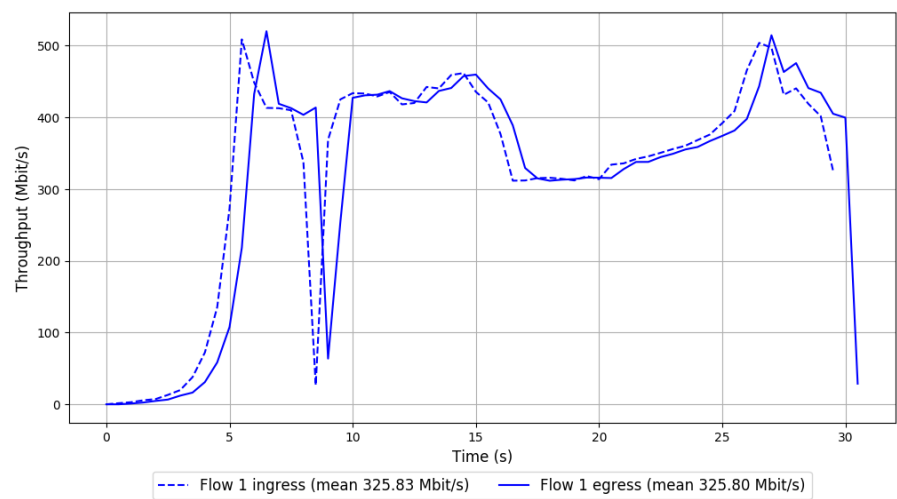
-- Flow 1:

Average throughput: 325.80 Mbit/s

95th percentile per-packet one-way delay: 157.297 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-03-09 07:37:32

End at: 2019-03-09 07:38:02

Local clock offset: 0.037 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-03-09 10:36:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.21 Mbit/s

95th percentile per-packet one-way delay: 181.555 ms

Loss rate: 0.78%

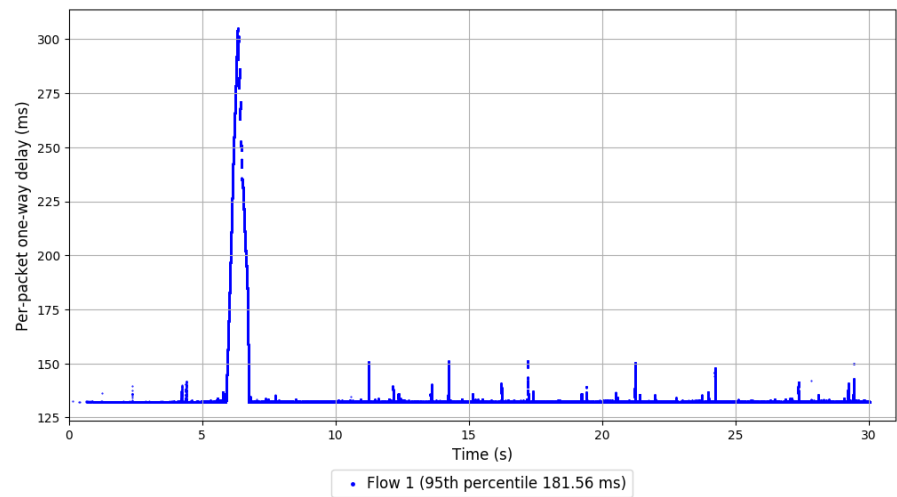
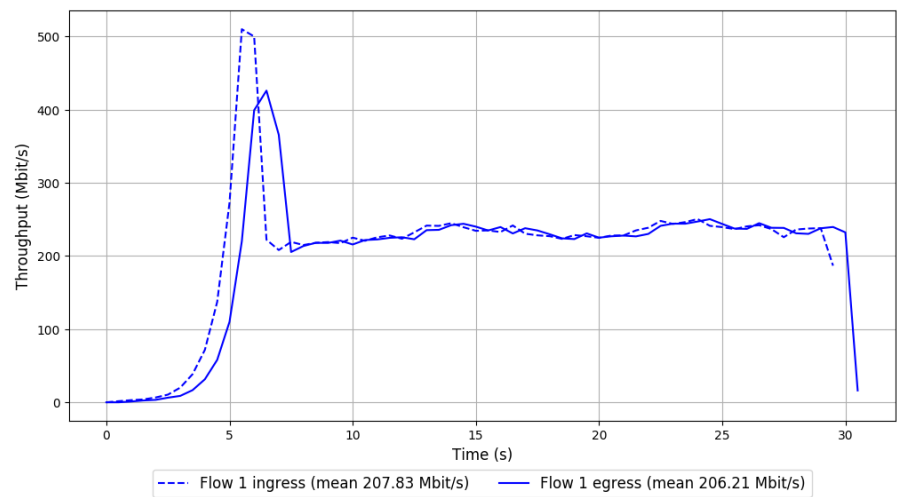
-- Flow 1:

Average throughput: 206.21 Mbit/s

95th percentile per-packet one-way delay: 181.555 ms

Loss rate: 0.78%

Run 3: Report of PCC-Vivace — Data Link

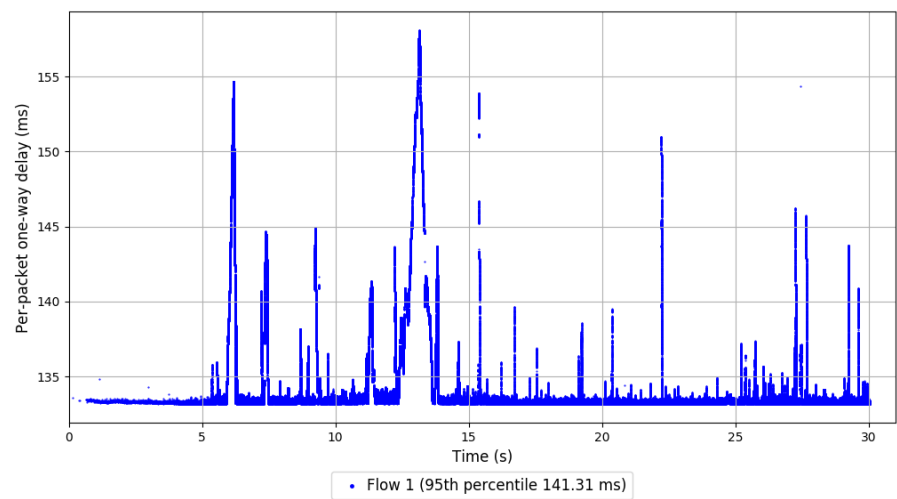
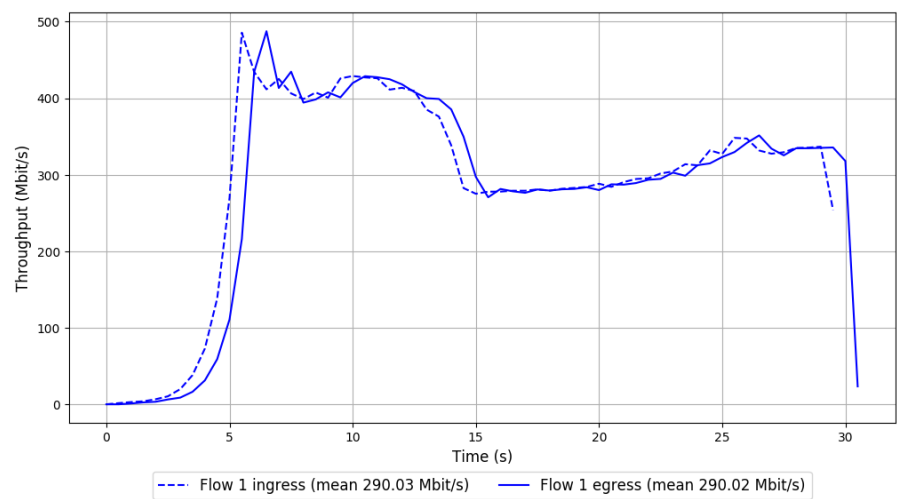


Run 4: Statistics of PCC-Vivace

Start at: 2019-03-09 08:13:04
End at: 2019-03-09 08:13:34
Local clock offset: -0.199 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-03-09 10:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.02 Mbit/s
95th percentile per-packet one-way delay: 141.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 290.02 Mbit/s
95th percentile per-packet one-way delay: 141.306 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

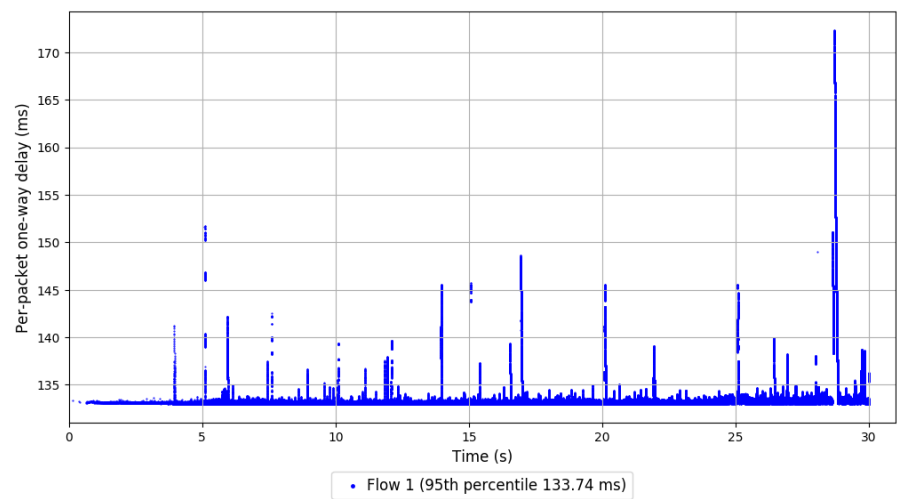
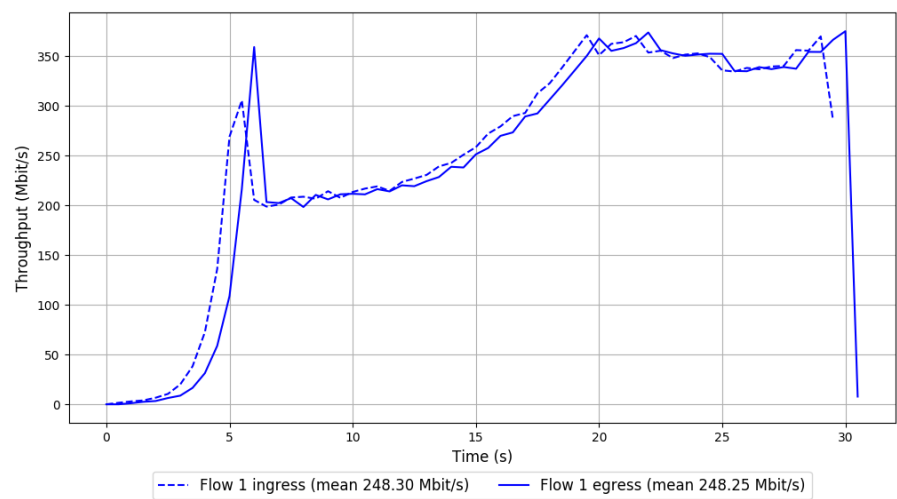


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-09 08:48:50
End at: 2019-03-09 08:49:20
Local clock offset: -0.257 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-03-09 10:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.25 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 248.25 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-03-09 06:28:03

End at: 2019-03-09 06:28:33

Local clock offset: 0.158 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-03-09 10:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 132.464 ms

Loss rate: 0.00%

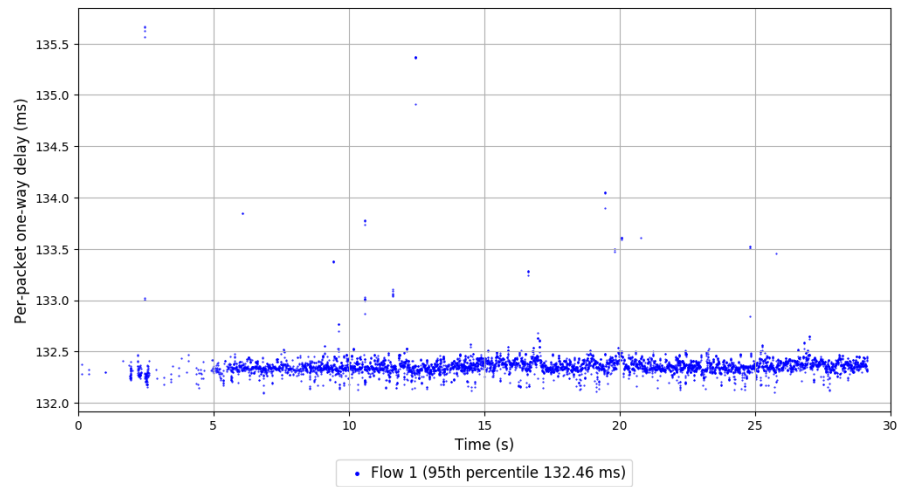
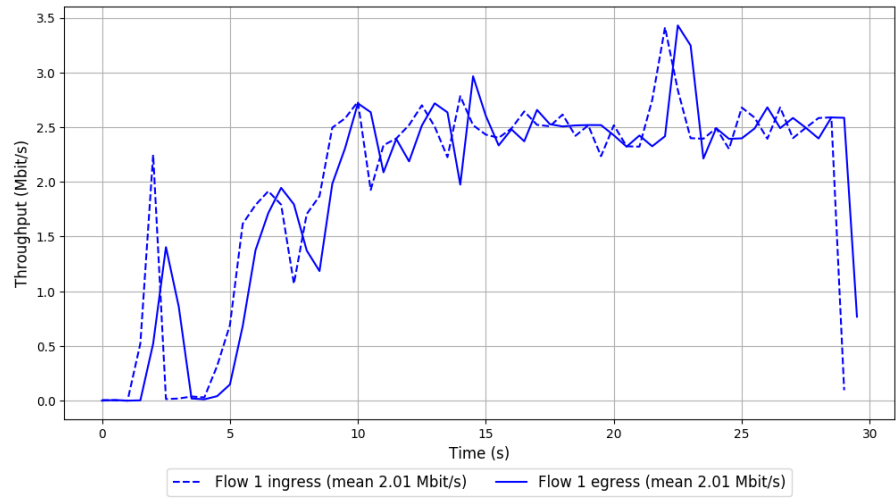
-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 132.464 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

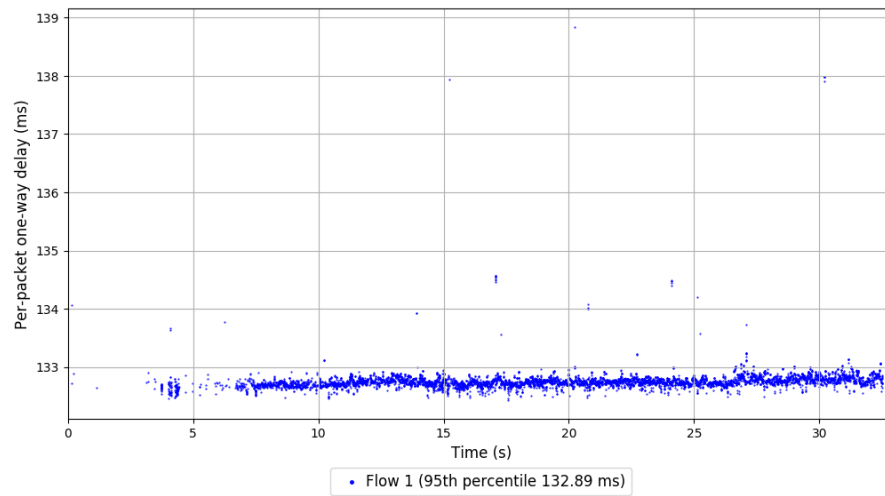
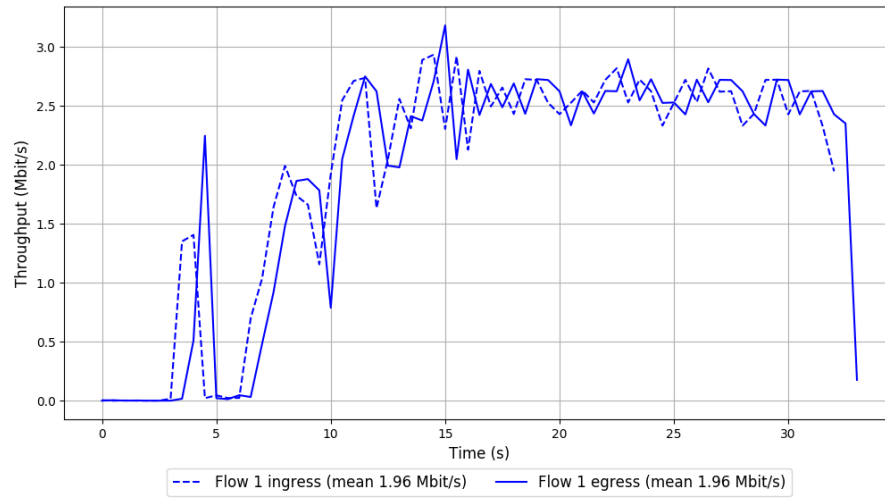


Run 2: Statistics of WebRTC media

Start at: 2019-03-09 07:02:52
End at: 2019-03-09 07:03:22
Local clock offset: 0.25 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-03-09 10:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 132.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 132.887 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

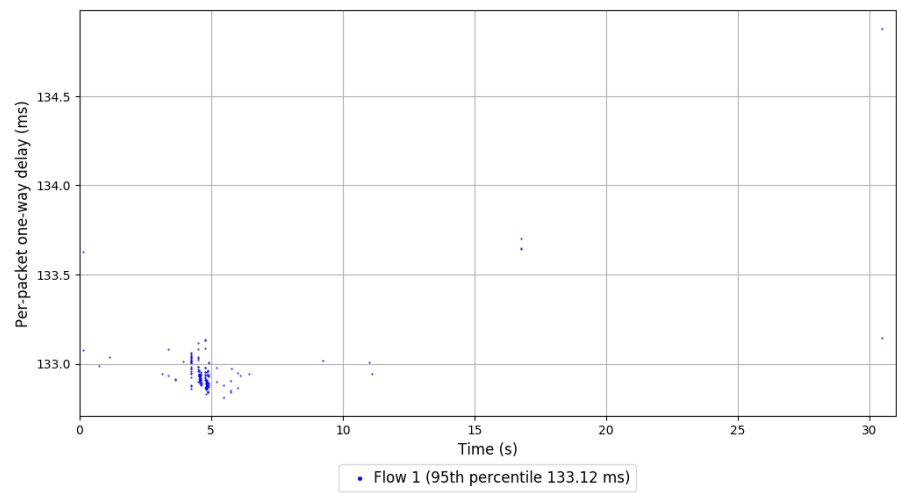
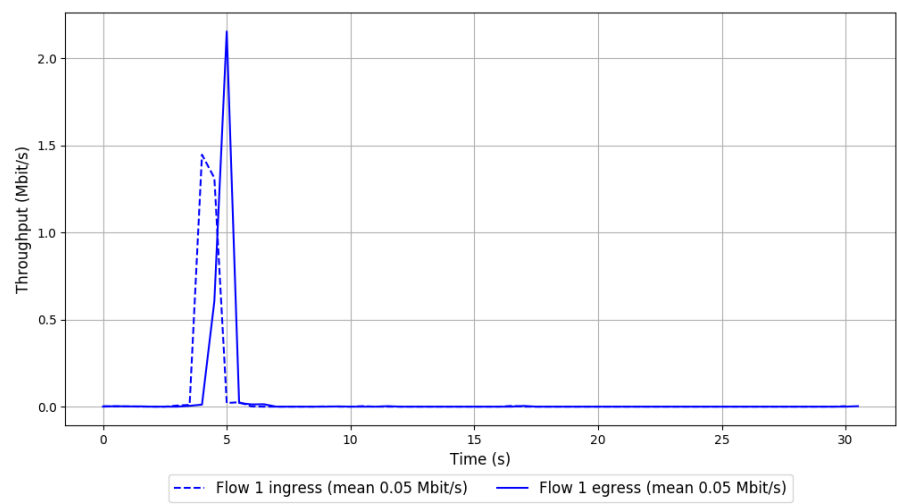


Run 3: Statistics of WebRTC media

Start at: 2019-03-09 07:36:22
End at: 2019-03-09 07:36:52
Local clock offset: -0.12 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2019-03-09 10:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.115 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-03-09 08:11:54

End at: 2019-03-09 08:12:24

Local clock offset: -0.216 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2019-03-09 10:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.608 ms

Loss rate: 0.00%

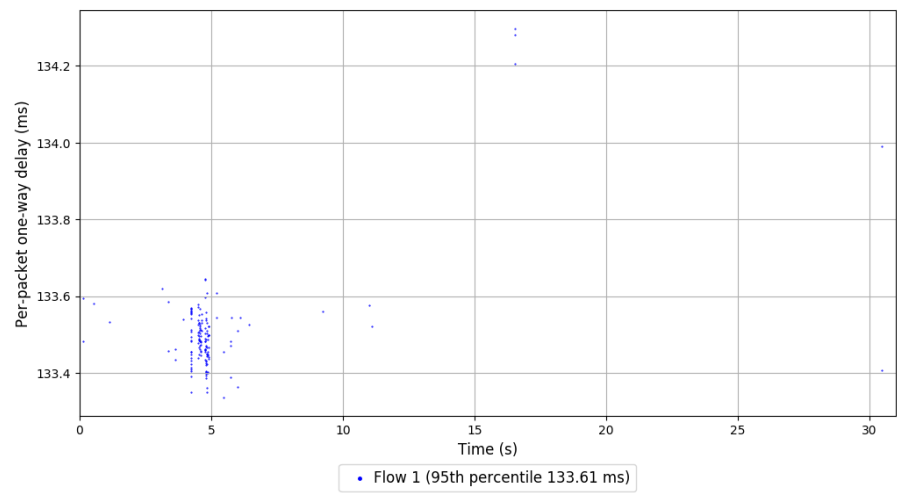
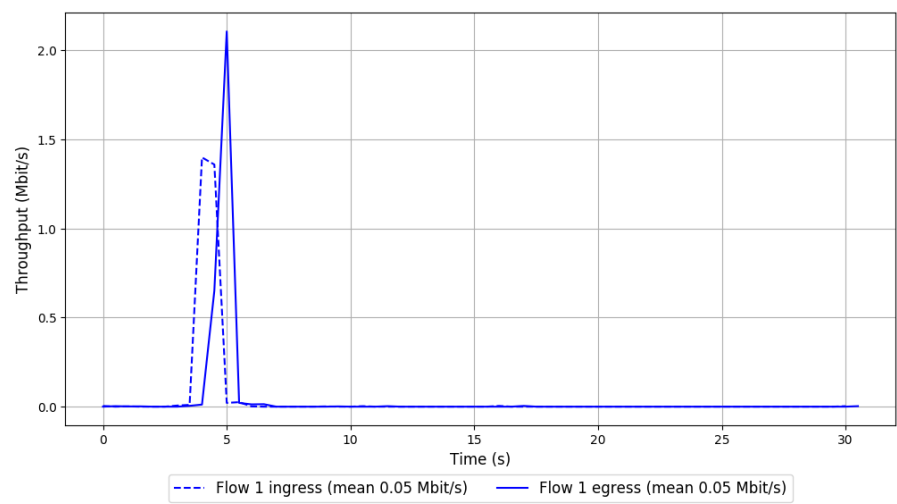
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.608 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-09 08:47:39
End at: 2019-03-09 08:48:09
Local clock offset: -0.154 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-03-09 10:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.387 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

