

Pantheon Report

Generated at 2019-05-30 08:37:48 (UTC).

Data path: GCE Tokyo on `ens4` (*remote*) → GCE Iowa on `ens4` (*local*).

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:

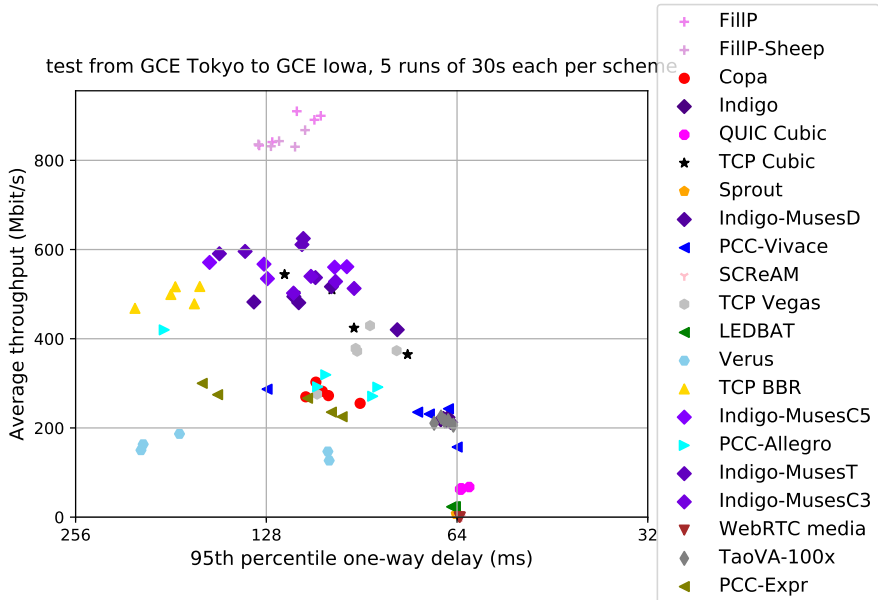
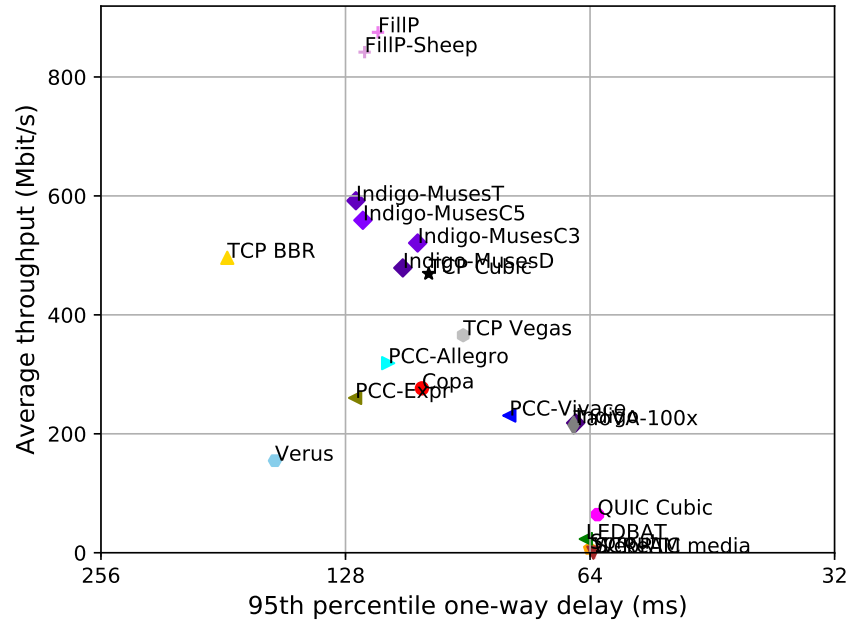
```
Linux 4.15.0-1029-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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-quick @ 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 Tokyo to GCE Iowa, 5 runs of 30s each per scheme
(mean of all runs by scheme)



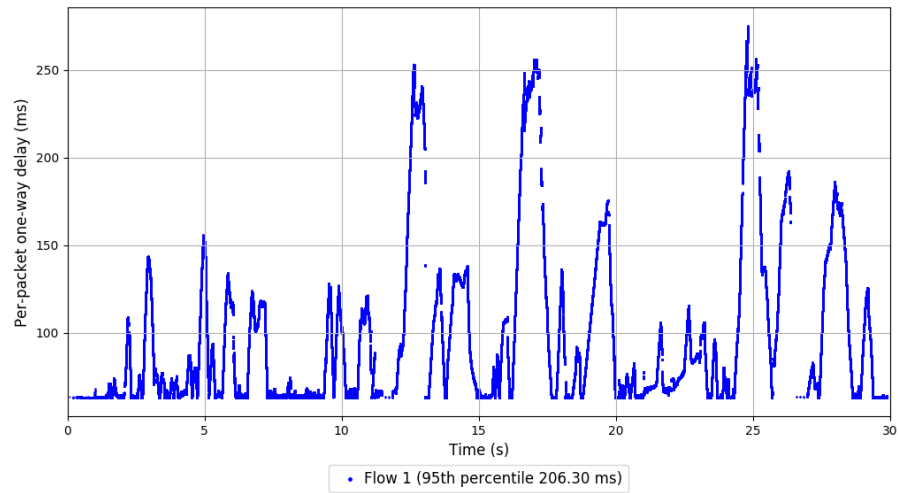
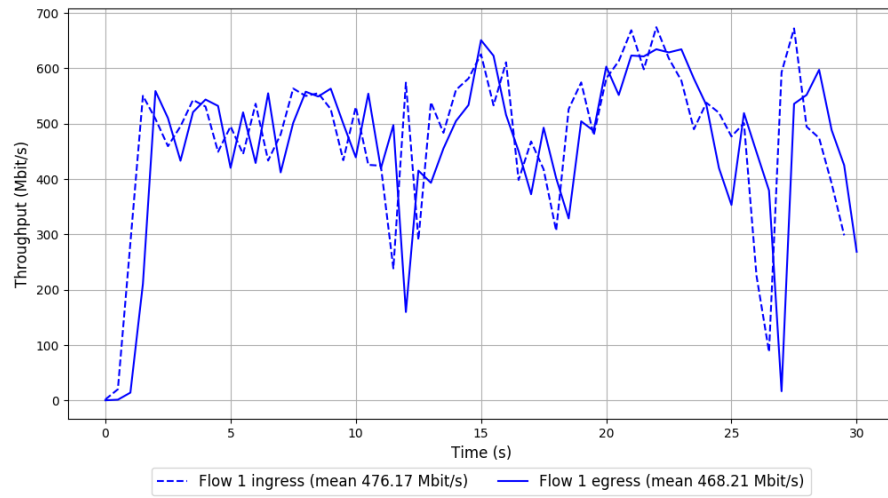
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	495.94	178.96	1.62
Copa	5	276.44	103.07	0.43
TCP Cubic	5	469.03	101.11	0.48
FillP	5	875.04	116.73	1.32
FillP-Sheep	5	841.76	121.26	1.16
Indigo	5	218.24	66.67	0.47
Indigo-MusesC3	4	520.83	104.33	0.47
Indigo-MusesC5	5	558.99	121.86	0.63
Indigo-MusesD	5	478.91	108.81	0.61
Indigo-MusesT	5	591.89	124.29	0.61
LEDBAT	5	23.11	64.78	0.68
PCC-Allegro	5	318.78	113.42	1.85
PCC-Expr	5	260.34	124.56	1.22
QUIC Cubic	4	64.12	62.67	0.53
SCReAM	5	0.22	63.17	0.41
Sprout	5	6.78	64.03	0.45
TaoVA-100x	5	214.58	67.06	0.45
TCP Vegas	5	365.70	91.69	0.26
Verus	5	154.82	156.36	1.79
PCC-Vivace	5	230.69	80.46	0.66
WebRTC media	4	0.05	63.40	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 04:20:42
End at: 2019-05-30 04:21:12
Local clock offset: -0.102 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2019-05-30 07:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 468.21 Mbit/s
95th percentile per-packet one-way delay: 206.297 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 468.21 Mbit/s
95th percentile per-packet one-way delay: 206.297 ms
Loss rate: 2.09%

Run 1: Report of TCP BBR — Data Link

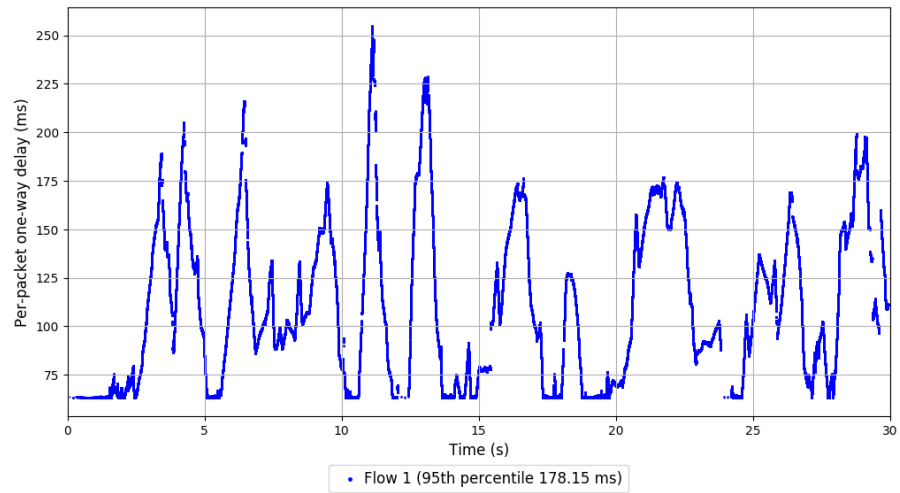
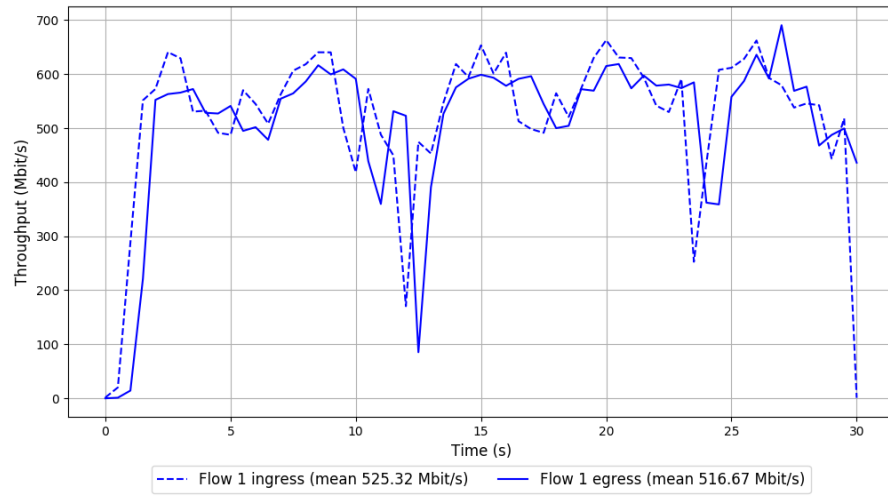


Run 2: Statistics of TCP BBR

Start at: 2019-05-30 04:50:55
End at: 2019-05-30 04:51:25
Local clock offset: -0.043 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2019-05-30 07:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.67 Mbit/s
95th percentile per-packet one-way delay: 178.154 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 516.67 Mbit/s
95th percentile per-packet one-way delay: 178.154 ms
Loss rate: 2.06%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-30 05:21:33

End at: 2019-05-30 05:22:03

Local clock offset: -0.126 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-05-30 07:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.35 Mbit/s

95th percentile per-packet one-way delay: 166.252 ms

Loss rate: 1.16%

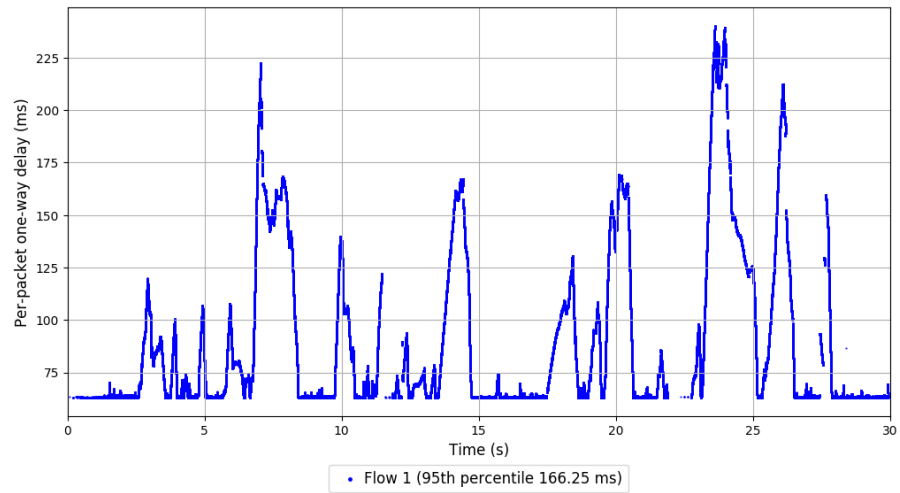
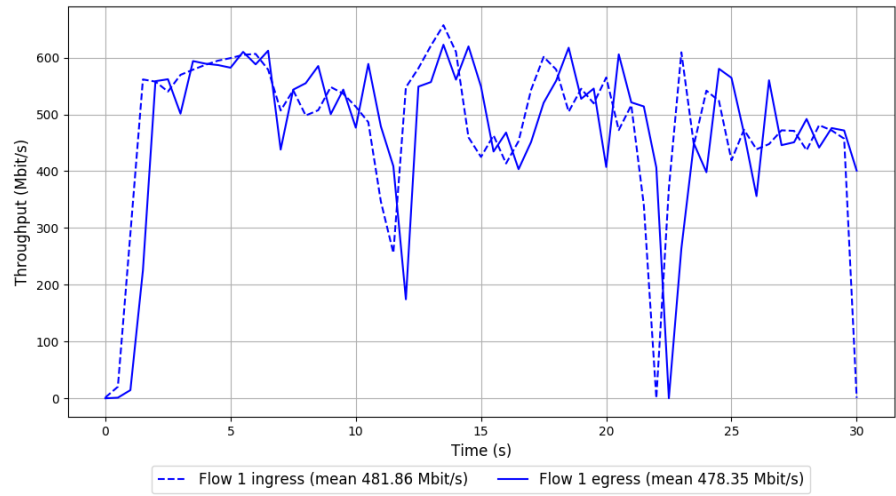
-- Flow 1:

Average throughput: 478.35 Mbit/s

95th percentile per-packet one-way delay: 166.252 ms

Loss rate: 1.16%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-30 05:52:02

End at: 2019-05-30 05:52:32

Local clock offset: -0.044 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2019-05-30 07:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.28 Mbit/s

95th percentile per-packet one-way delay: 181.083 ms

Loss rate: 1.61%

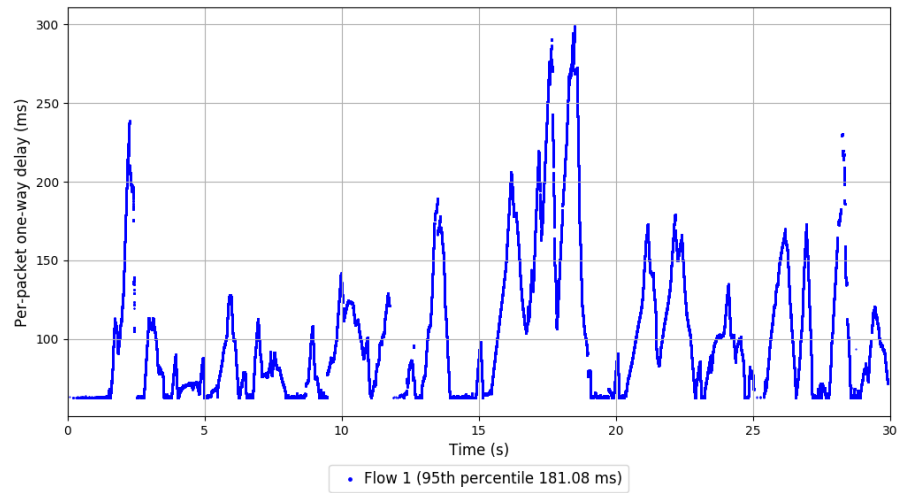
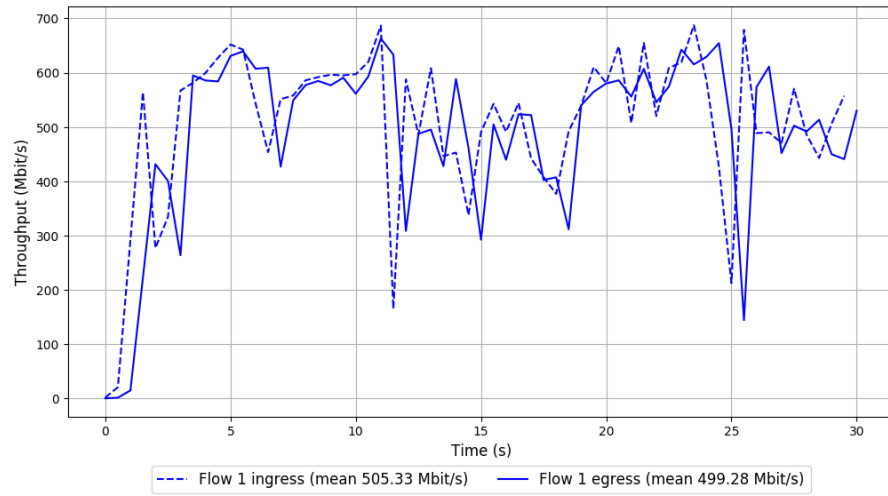
-- Flow 1:

Average throughput: 499.28 Mbit/s

95th percentile per-packet one-way delay: 181.083 ms

Loss rate: 1.61%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-30 06:22:32

End at: 2019-05-30 06:23:02

Local clock offset: 0.077 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2019-05-30 07:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.20 Mbit/s

95th percentile per-packet one-way delay: 163.015 ms

Loss rate: 1.18%

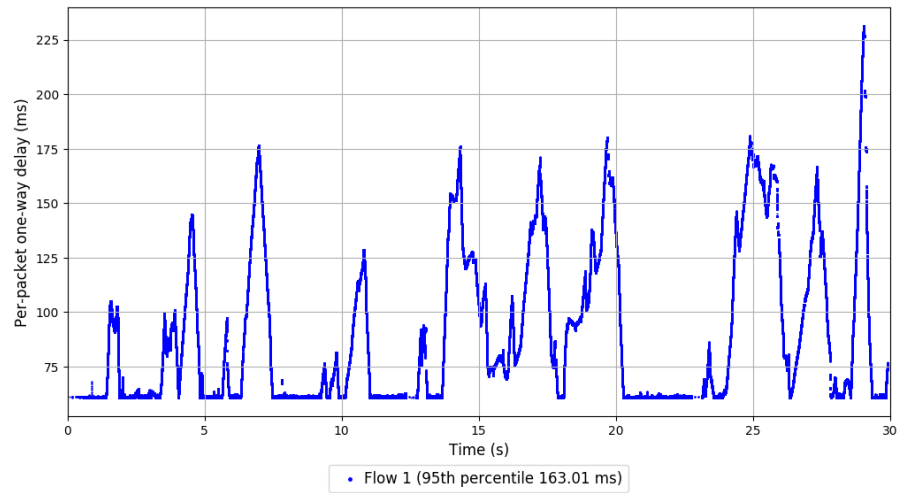
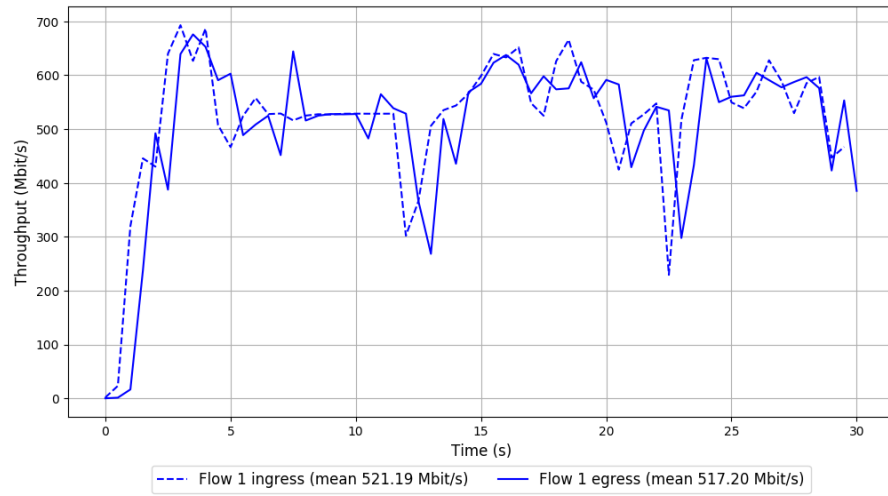
-- Flow 1:

Average throughput: 517.20 Mbit/s

95th percentile per-packet one-way delay: 163.015 ms

Loss rate: 1.18%

Run 5: Report of TCP BBR — Data Link

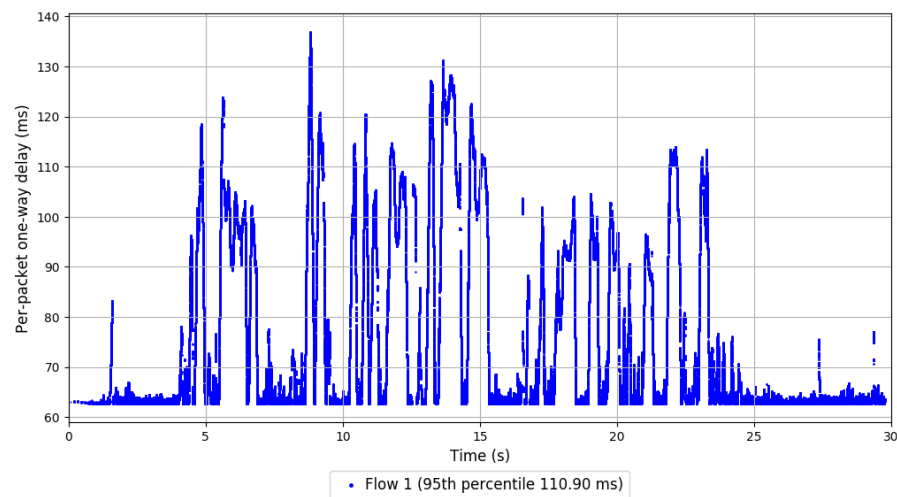
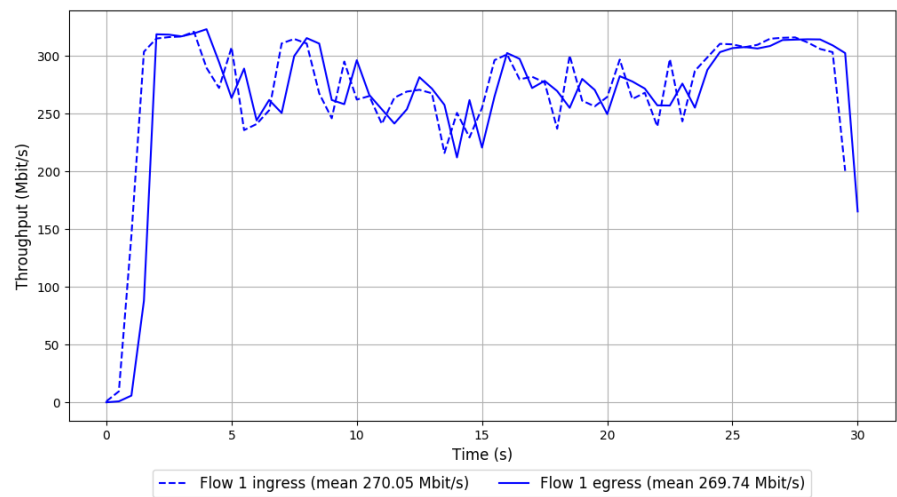


Run 1: Statistics of Copa

Start at: 2019-05-30 04:23:58
End at: 2019-05-30 04:24:28
Local clock offset: -0.075 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2019-05-30 07:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.74 Mbit/s
95th percentile per-packet one-way delay: 110.903 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 269.74 Mbit/s
95th percentile per-packet one-way delay: 110.903 ms
Loss rate: 0.54%

Run 1: Report of Copa — Data Link

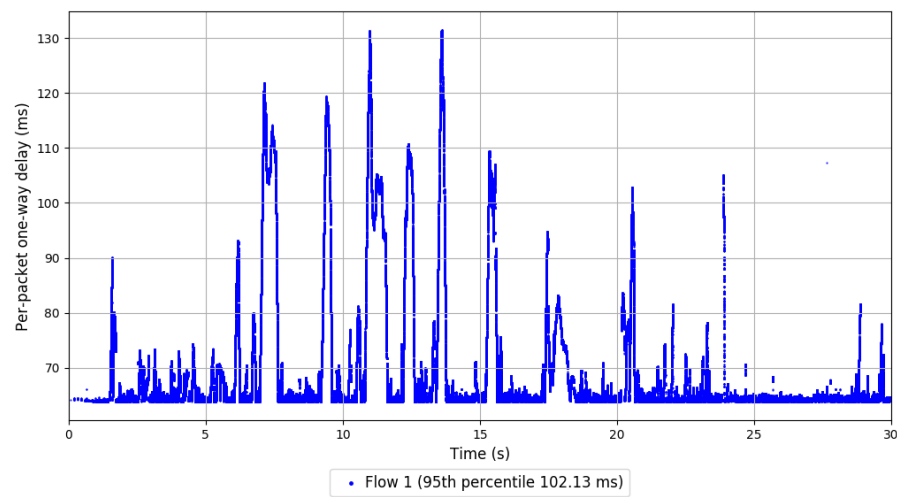
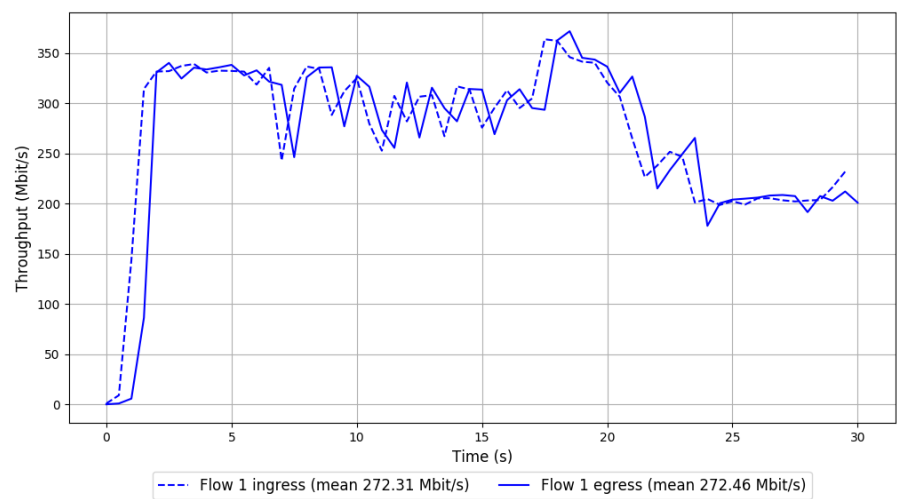


Run 2: Statistics of Copa

Start at: 2019-05-30 04:54:17
End at: 2019-05-30 04:54:47
Local clock offset: -0.033 ms
Remote clock offset: -0.787 ms

Below is generated by plot.py at 2019-05-30 07:10:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.46 Mbit/s
95th percentile per-packet one-way delay: 102.127 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 272.46 Mbit/s
95th percentile per-packet one-way delay: 102.127 ms
Loss rate: 0.36%

Run 2: Report of Copa — Data Link

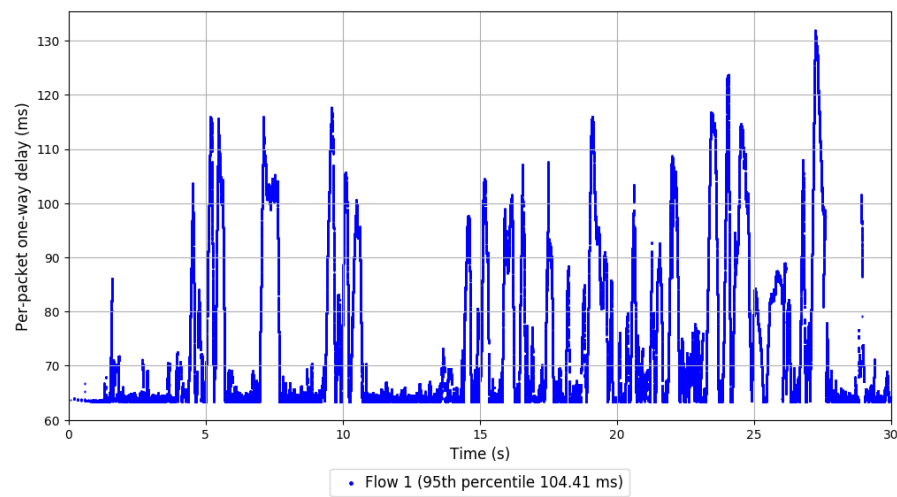
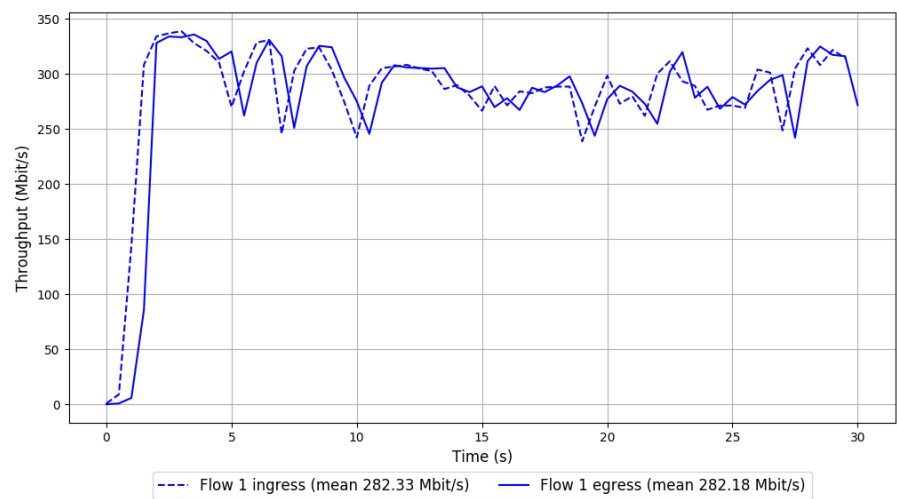


Run 3: Statistics of Copa

Start at: 2019-05-30 05:24:49
End at: 2019-05-30 05:25:19
Local clock offset: -0.06 ms
Remote clock offset: -0.791 ms

Below is generated by plot.py at 2019-05-30 07:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.18 Mbit/s
95th percentile per-packet one-way delay: 104.412 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 282.18 Mbit/s
95th percentile per-packet one-way delay: 104.412 ms
Loss rate: 0.47%

Run 3: Report of Copa — Data Link

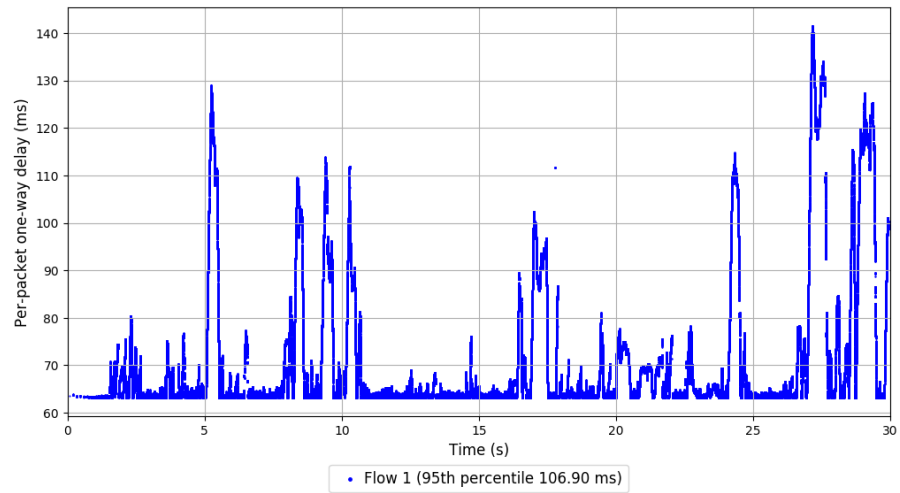
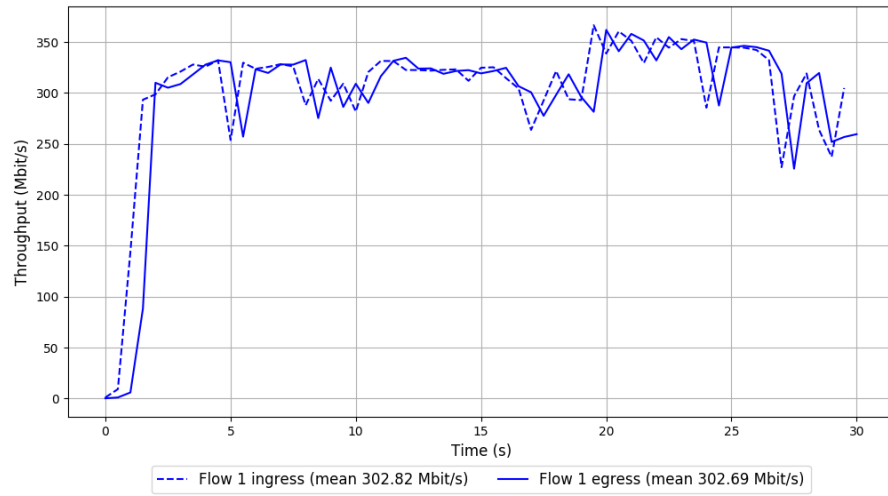


Run 4: Statistics of Copa

Start at: 2019-05-30 05:55:23
End at: 2019-05-30 05:55:53
Local clock offset: -0.044 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2019-05-30 07:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.69 Mbit/s
95th percentile per-packet one-way delay: 106.904 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 302.69 Mbit/s
95th percentile per-packet one-way delay: 106.904 ms
Loss rate: 0.46%

Run 4: Report of Copa — Data Link

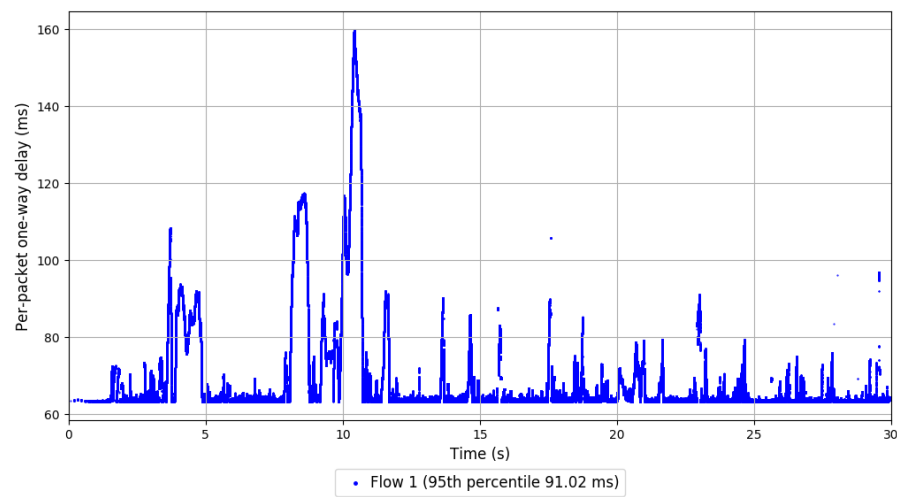
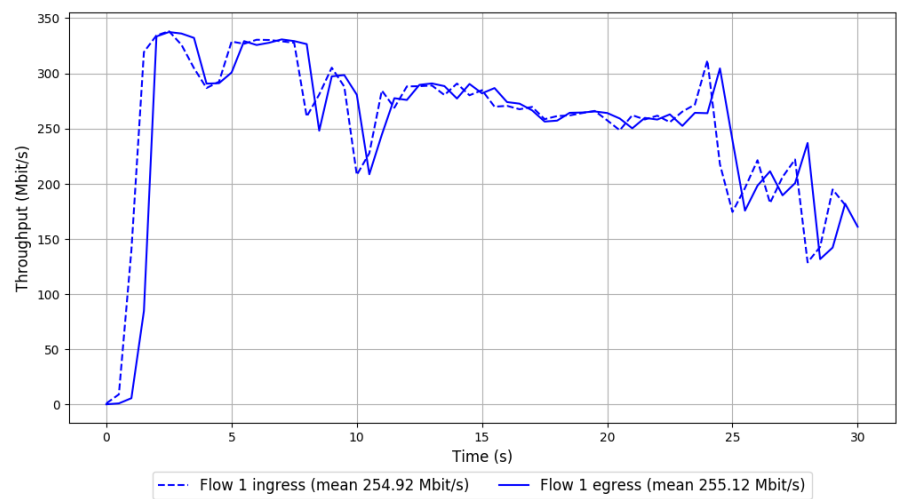


Run 5: Statistics of Copa

Start at: 2019-05-30 06:25:52
End at: 2019-05-30 06:26:22
Local clock offset: 0.022 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-05-30 07:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.12 Mbit/s
95th percentile per-packet one-way delay: 91.024 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 255.12 Mbit/s
95th percentile per-packet one-way delay: 91.024 ms
Loss rate: 0.34%

Run 5: Report of Copa — Data Link

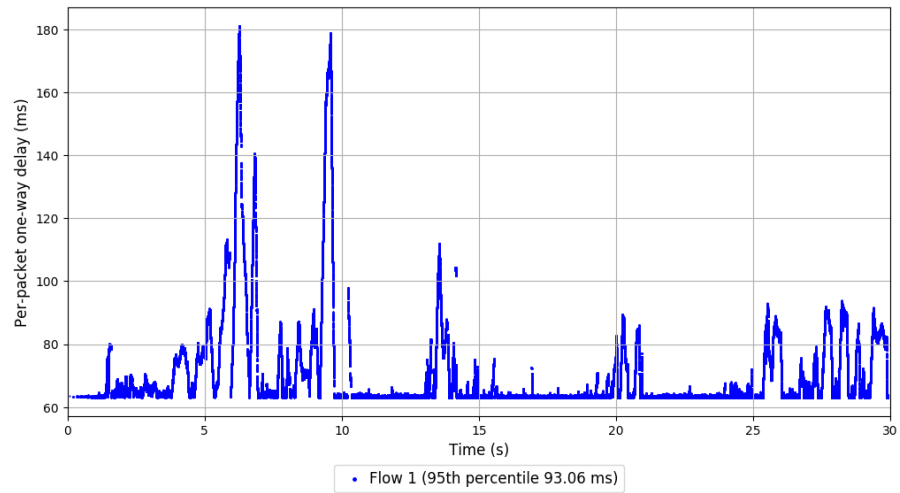
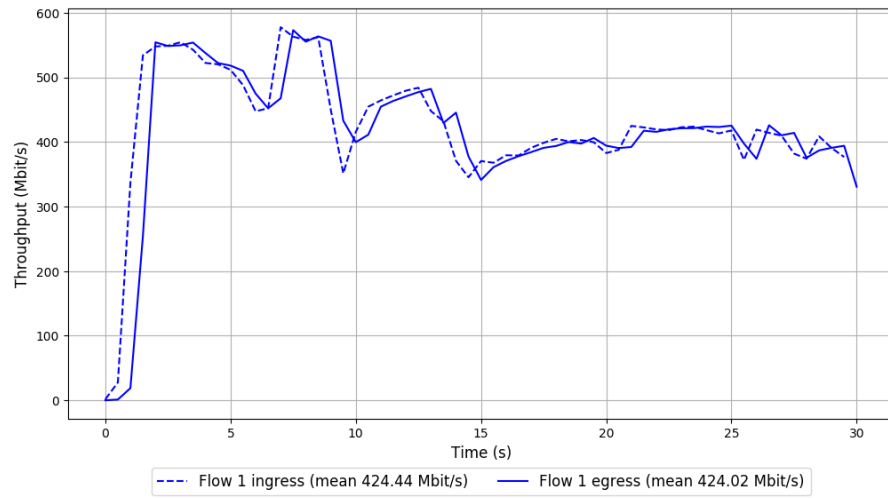


Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 04:25:31
End at: 2019-05-30 04:26:01
Local clock offset: -0.105 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-05-30 07:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 424.02 Mbit/s
95th percentile per-packet one-way delay: 93.058 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 424.02 Mbit/s
95th percentile per-packet one-way delay: 93.058 ms
Loss rate: 0.52%

Run 1: Report of TCP Cubic — Data Link

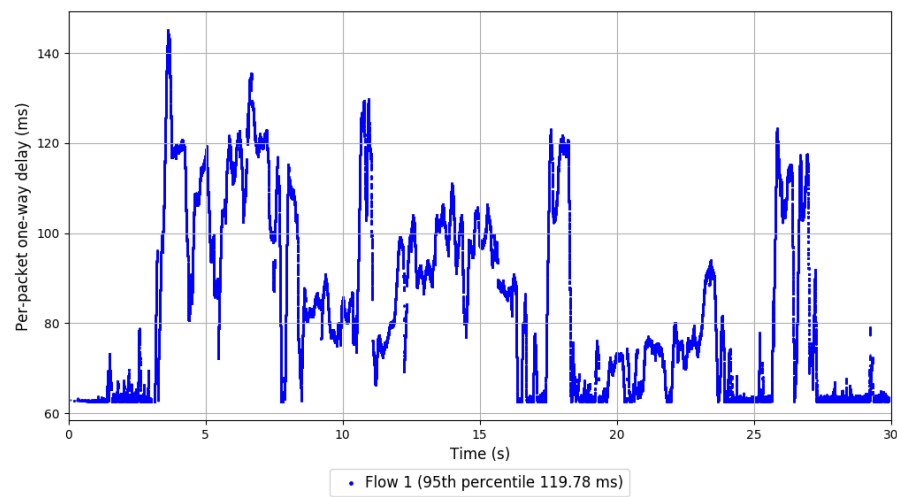
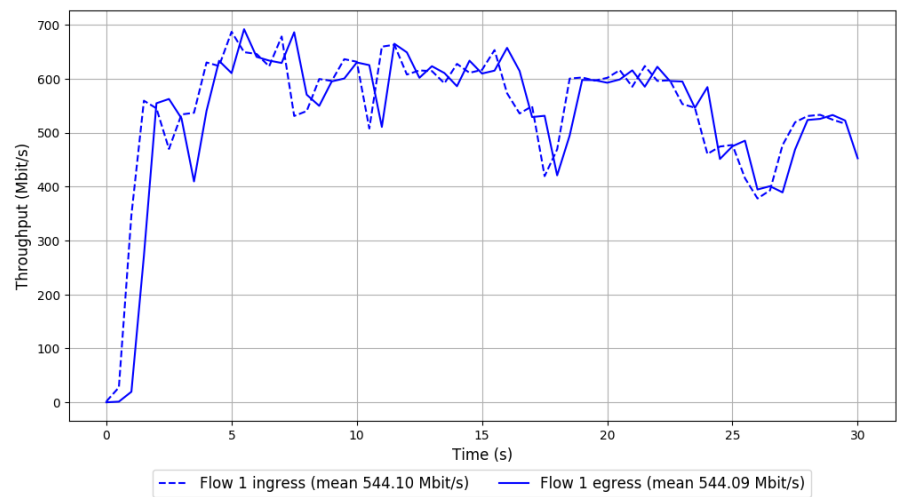


Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 04:55:50
End at: 2019-05-30 04:56:20
Local clock offset: -0.06 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-05-30 07:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 544.09 Mbit/s
95th percentile per-packet one-way delay: 119.779 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 544.09 Mbit/s
95th percentile per-packet one-way delay: 119.779 ms
Loss rate: 0.42%

Run 2: Report of TCP Cubic — Data Link

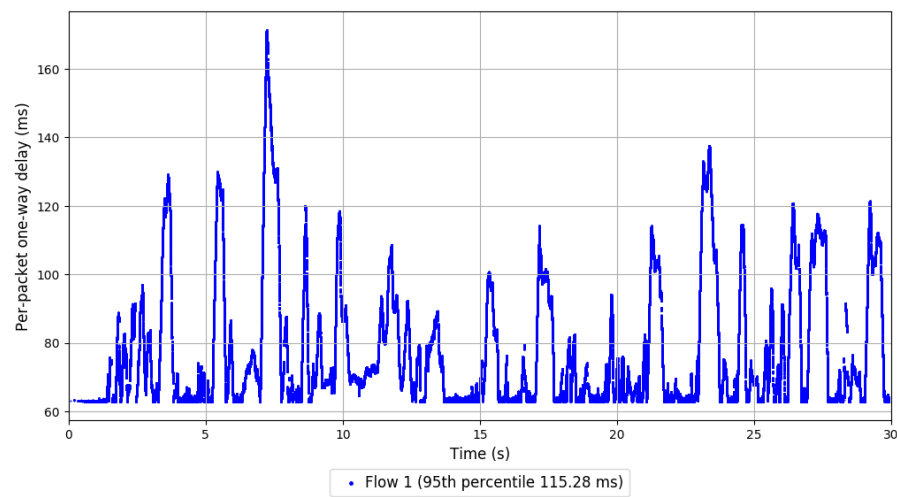
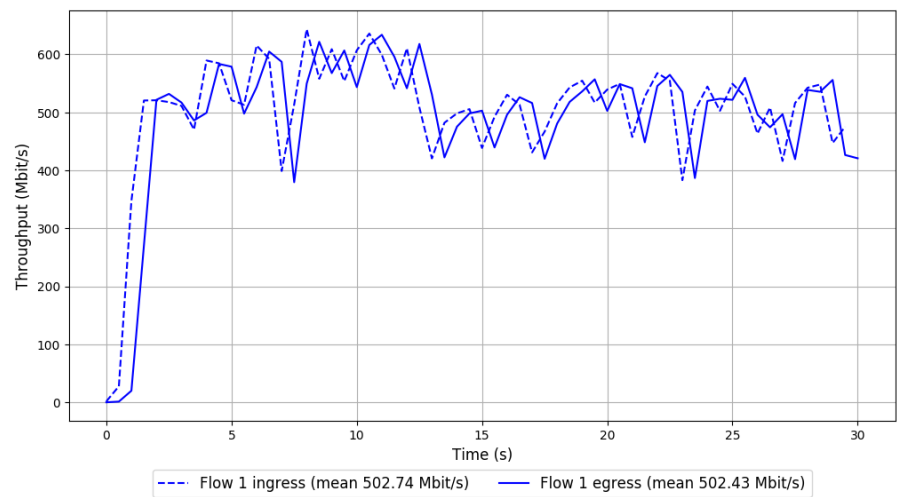


Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 05:26:23
End at: 2019-05-30 05:26:53
Local clock offset: -0.05 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-05-30 07:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.43 Mbit/s
95th percentile per-packet one-way delay: 115.285 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 502.43 Mbit/s
95th percentile per-packet one-way delay: 115.285 ms
Loss rate: 0.48%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 05:57:00

End at: 2019-05-30 05:57:30

Local clock offset: -0.064 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-05-30 07:19:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.71 Mbit/s

95th percentile per-packet one-way delay: 76.594 ms

Loss rate: 0.53%

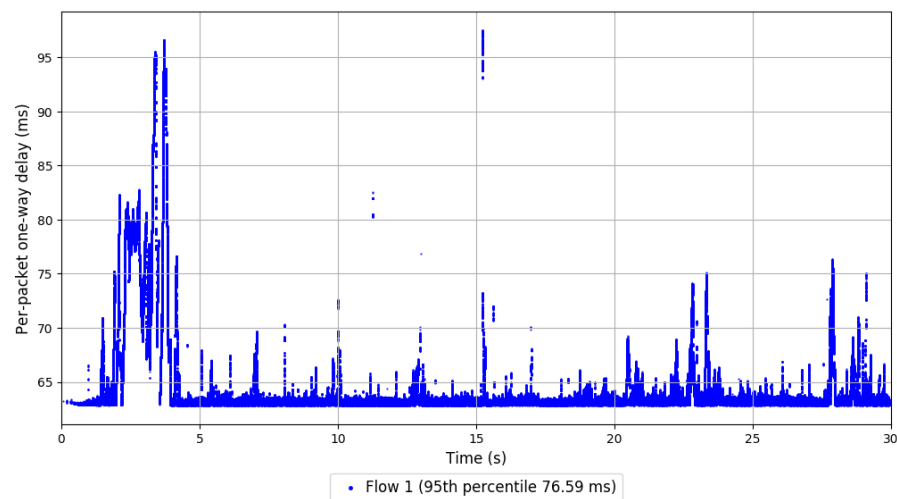
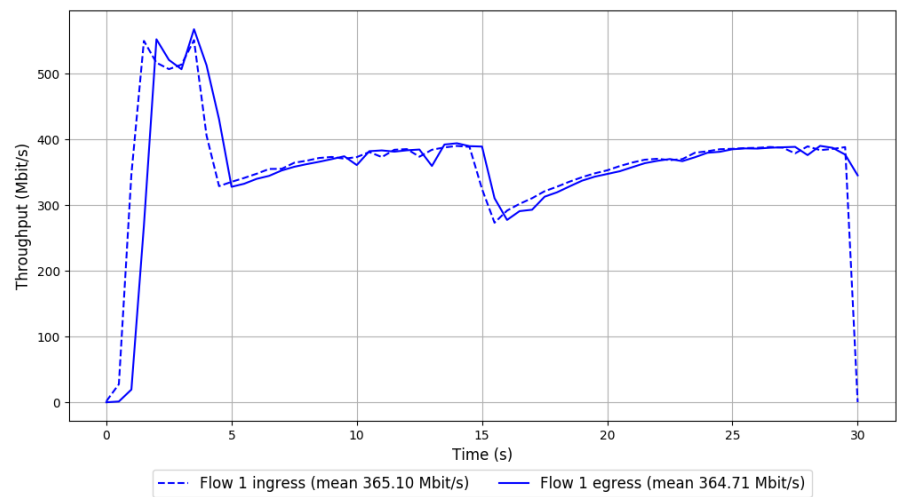
-- Flow 1:

Average throughput: 364.71 Mbit/s

95th percentile per-packet one-way delay: 76.594 ms

Loss rate: 0.53%

Run 4: Report of TCP Cubic — Data Link

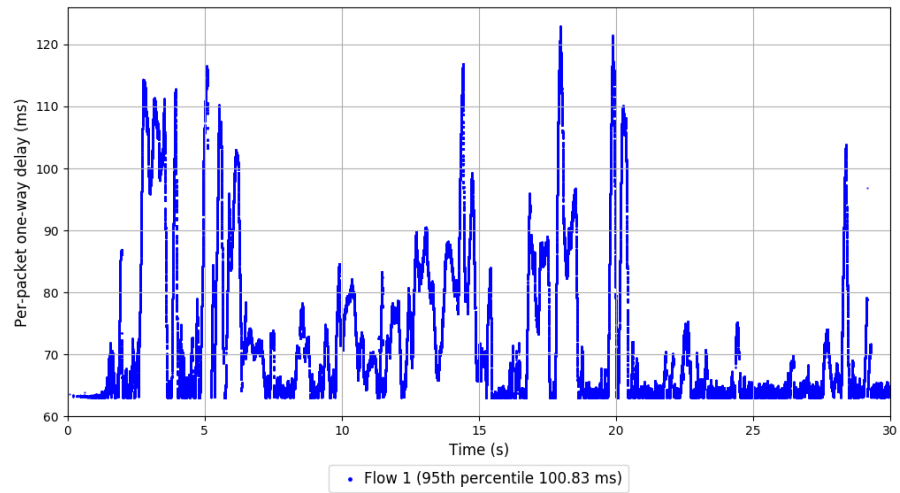
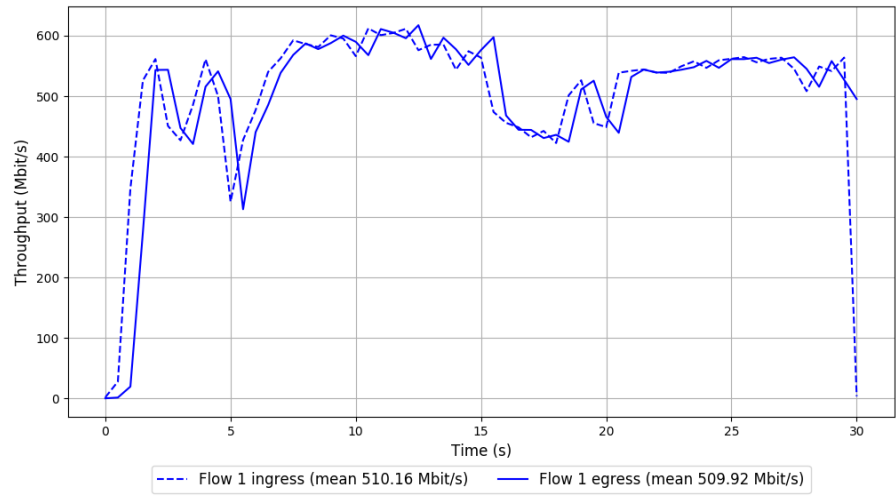


Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 06:27:23
End at: 2019-05-30 06:27:53
Local clock offset: 0.028 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-05-30 07:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 509.92 Mbit/s
95th percentile per-packet one-way delay: 100.832 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 509.92 Mbit/s
95th percentile per-packet one-way delay: 100.832 ms
Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link

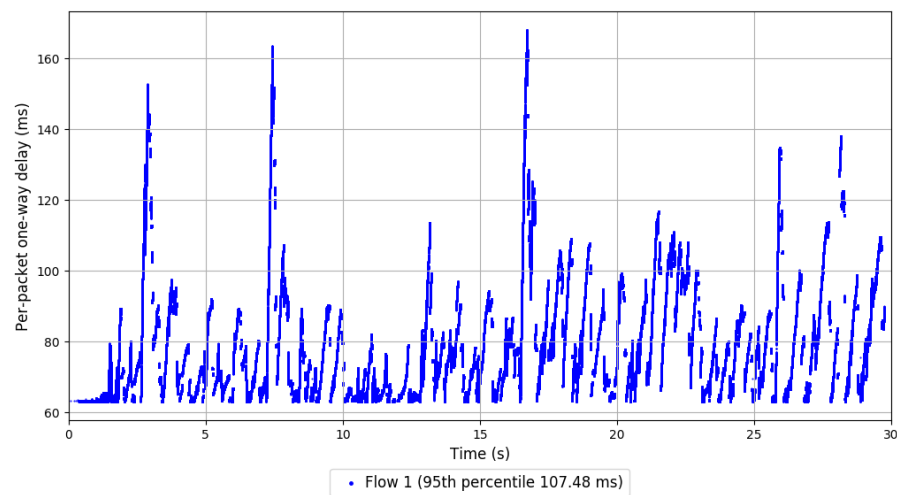
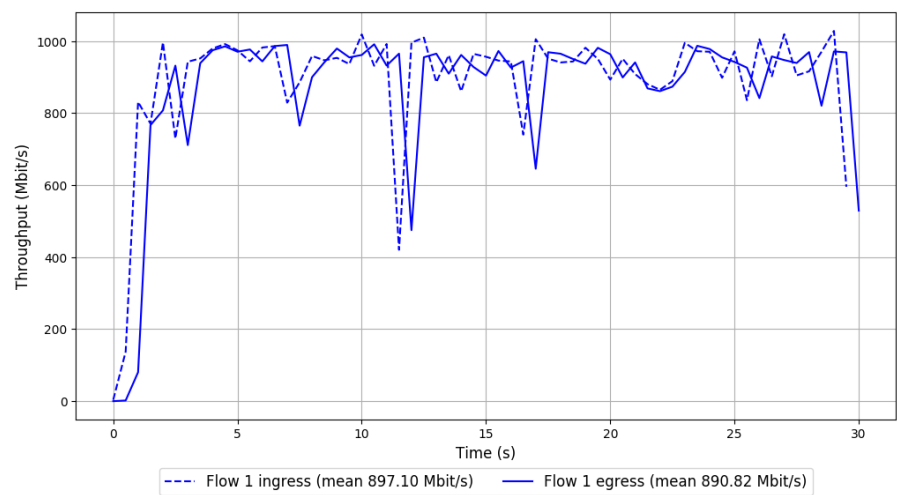


Run 1: Statistics of FillP

Start at: 2019-05-30 04:33:28
End at: 2019-05-30 04:33:58
Local clock offset: -0.054 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2019-05-30 07:26:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 890.82 Mbit/s
95th percentile per-packet one-way delay: 107.478 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 890.82 Mbit/s
95th percentile per-packet one-way delay: 107.478 ms
Loss rate: 1.12%

Run 1: Report of FillP — Data Link

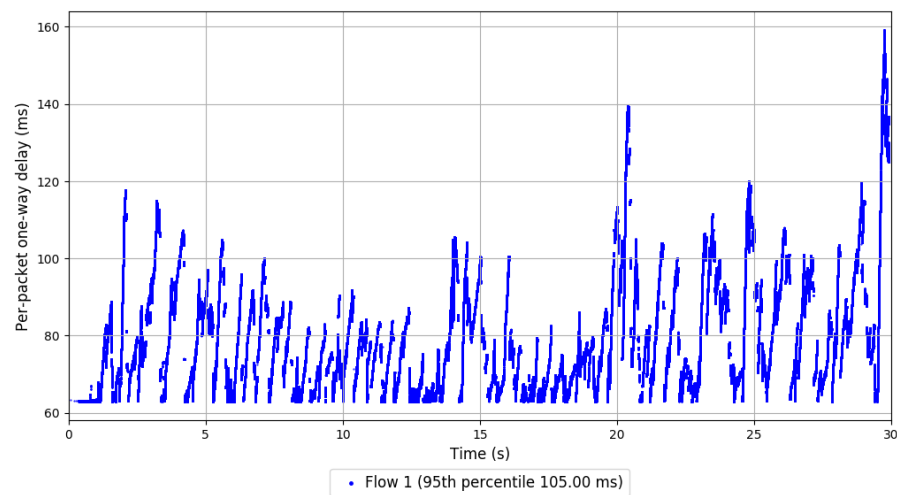
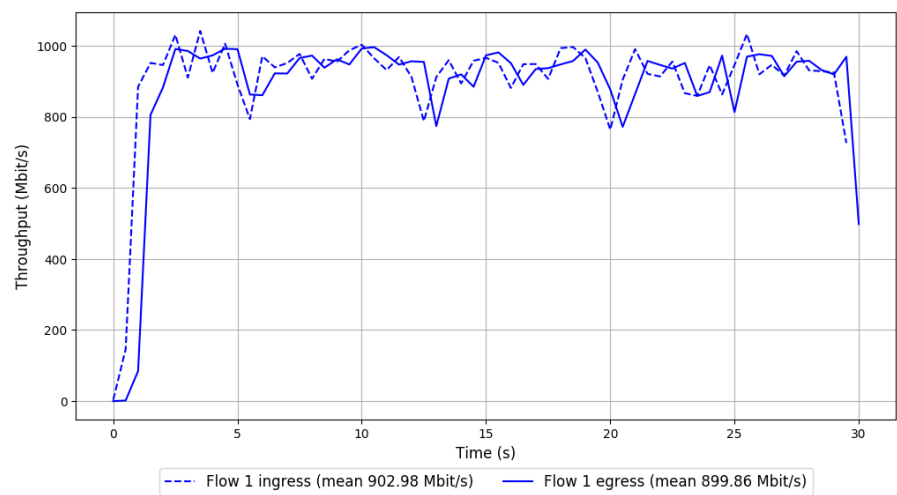


Run 2: Statistics of FillP

Start at: 2019-05-30 05:04:06
End at: 2019-05-30 05:04:36
Local clock offset: -0.121 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-05-30 07:36:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 899.86 Mbit/s
95th percentile per-packet one-way delay: 105.004 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 899.86 Mbit/s
95th percentile per-packet one-way delay: 105.004 ms
Loss rate: 0.77%

Run 2: Report of FillP — Data Link

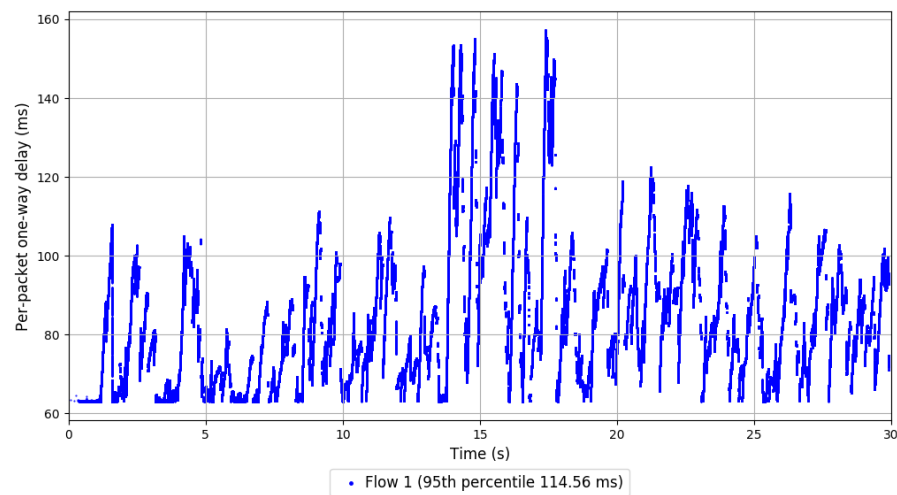
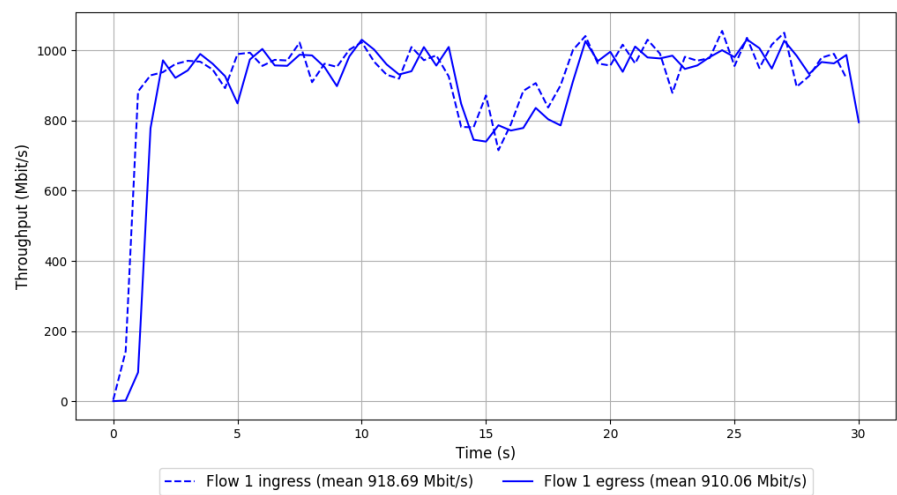


Run 3: Statistics of FillP

Start at: 2019-05-30 05:34:31
End at: 2019-05-30 05:35:01
Local clock offset: -0.09 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-05-30 07:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 910.06 Mbit/s
95th percentile per-packet one-way delay: 114.564 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 910.06 Mbit/s
95th percentile per-packet one-way delay: 114.564 ms
Loss rate: 1.36%

Run 3: Report of FillP — Data Link

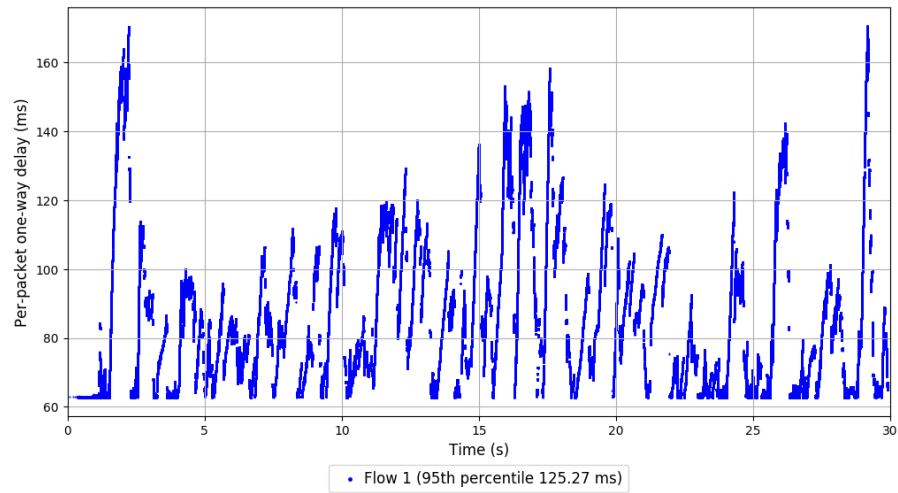
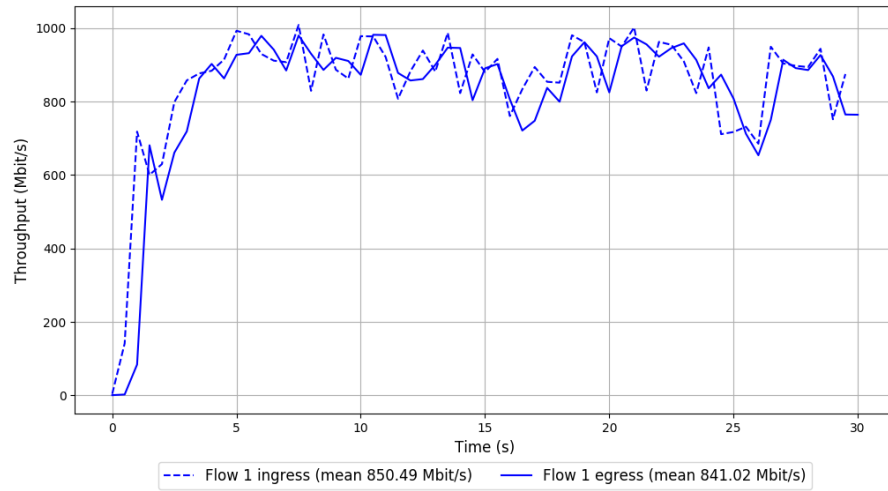


Run 4: Statistics of FillP

Start at: 2019-05-30 06:05:01
End at: 2019-05-30 06:05:31
Local clock offset: -0.047 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-05-30 07:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 841.02 Mbit/s
95th percentile per-packet one-way delay: 125.269 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 841.02 Mbit/s
95th percentile per-packet one-way delay: 125.269 ms
Loss rate: 1.53%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-30 06:35:33

End at: 2019-05-30 06:36:03

Local clock offset: -0.022 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-05-30 07:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 833.42 Mbit/s

95th percentile per-packet one-way delay: 131.357 ms

Loss rate: 1.84%

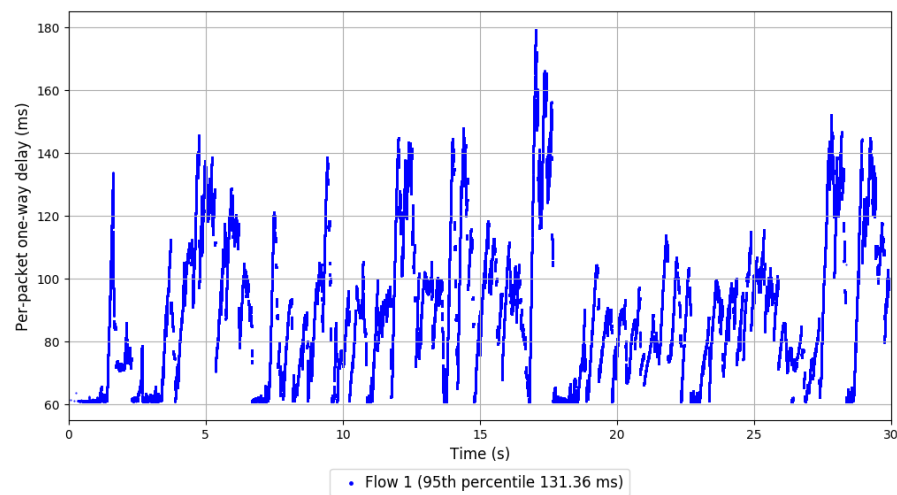
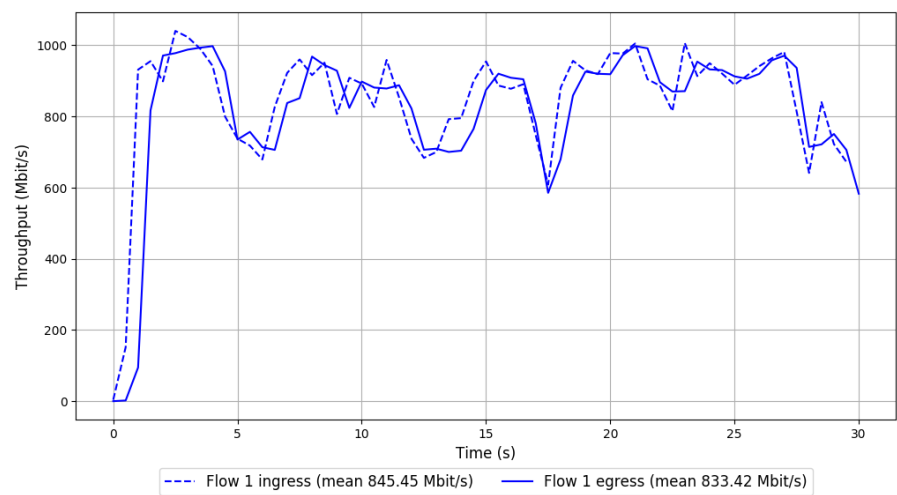
-- Flow 1:

Average throughput: 833.42 Mbit/s

95th percentile per-packet one-way delay: 131.357 ms

Loss rate: 1.84%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 04:22:16

End at: 2019-05-30 04:22:46

Local clock offset: -0.118 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2019-05-30 07:36:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 835.85 Mbit/s

95th percentile per-packet one-way delay: 131.746 ms

Loss rate: 1.58%

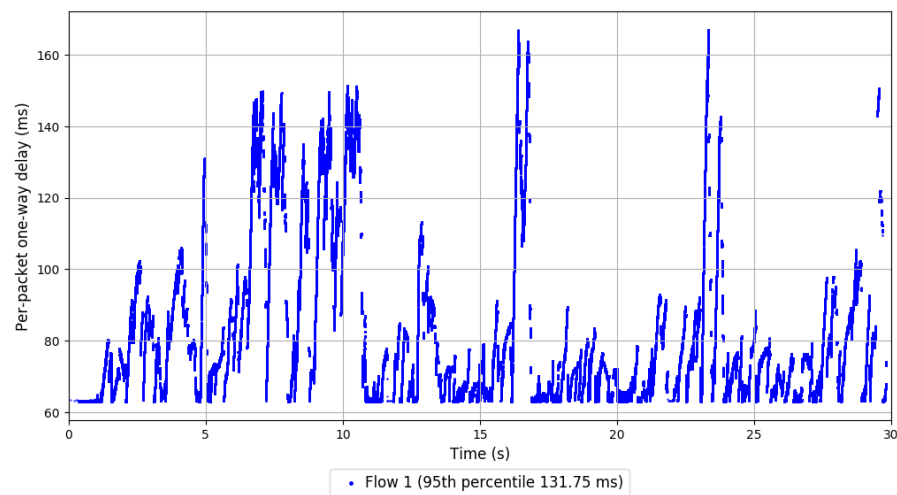
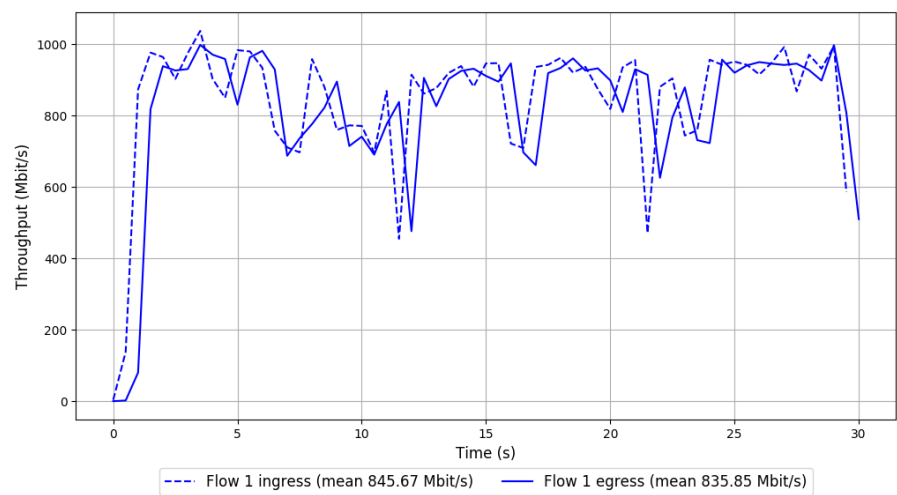
-- Flow 1:

Average throughput: 835.85 Mbit/s

95th percentile per-packet one-way delay: 131.746 ms

Loss rate: 1.58%

Run 1: Report of FillP-Sheep — Data Link

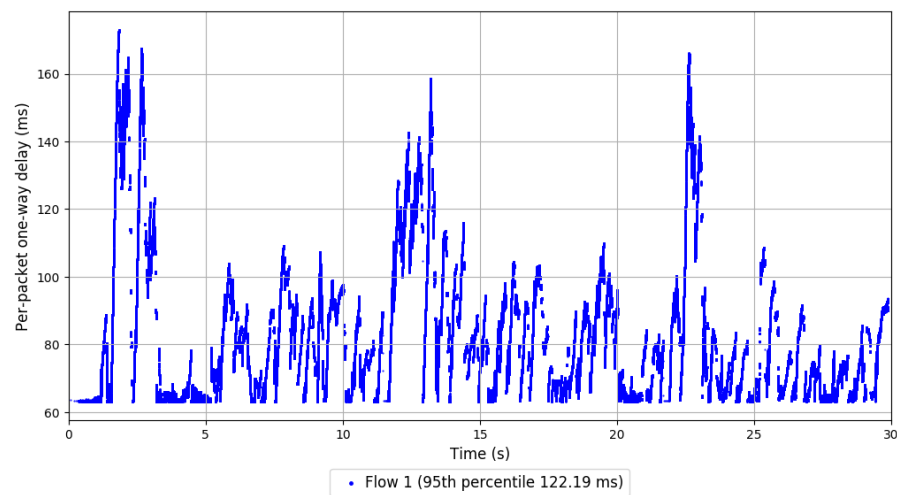
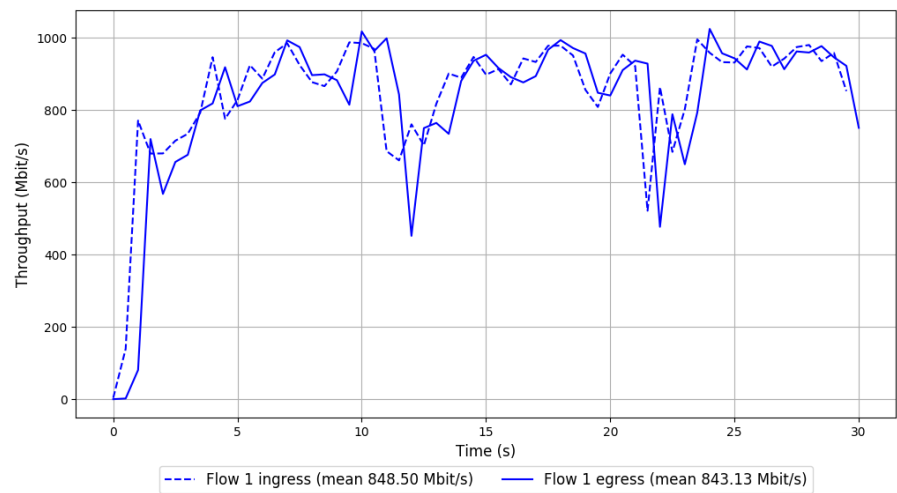


Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 04:52:34
End at: 2019-05-30 04:53:04
Local clock offset: -0.054 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-05-30 07:37:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 843.13 Mbit/s
95th percentile per-packet one-way delay: 122.194 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 843.13 Mbit/s
95th percentile per-packet one-way delay: 122.194 ms
Loss rate: 1.06%

Run 2: Report of FillP-Sheep — Data Link

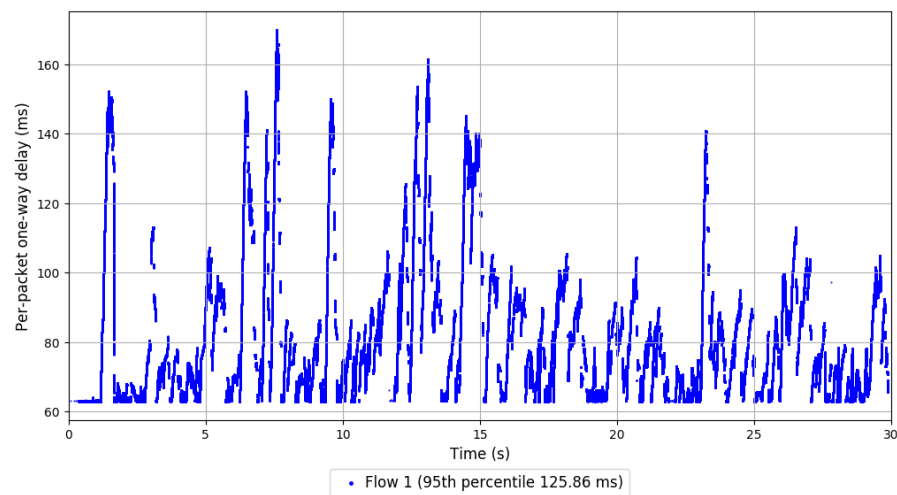
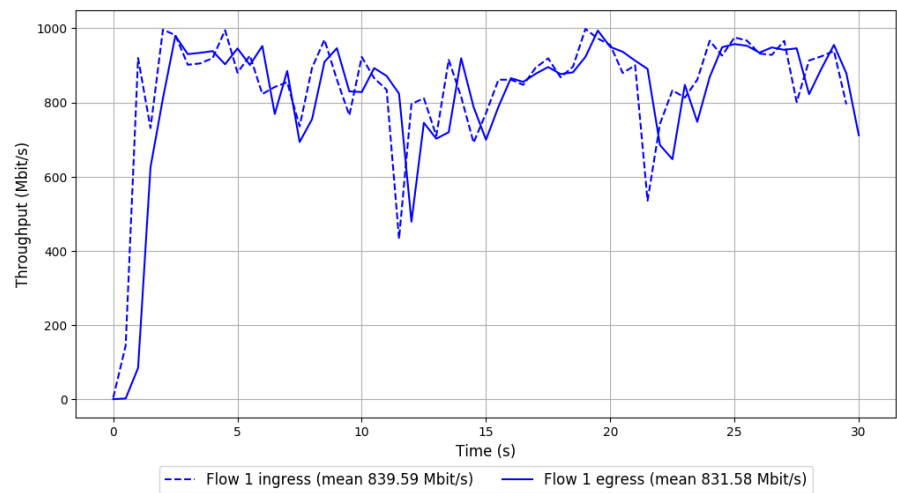


Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 05:23:08
End at: 2019-05-30 05:23:38
Local clock offset: -0.073 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2019-05-30 07:37:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 831.58 Mbit/s
95th percentile per-packet one-way delay: 125.863 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 831.58 Mbit/s
95th percentile per-packet one-way delay: 125.863 ms
Loss rate: 1.37%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 05:53:39

End at: 2019-05-30 05:54:09

Local clock offset: -0.058 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2019-05-30 07:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 867.73 Mbit/s

95th percentile per-packet one-way delay: 111.176 ms

Loss rate: 0.85%

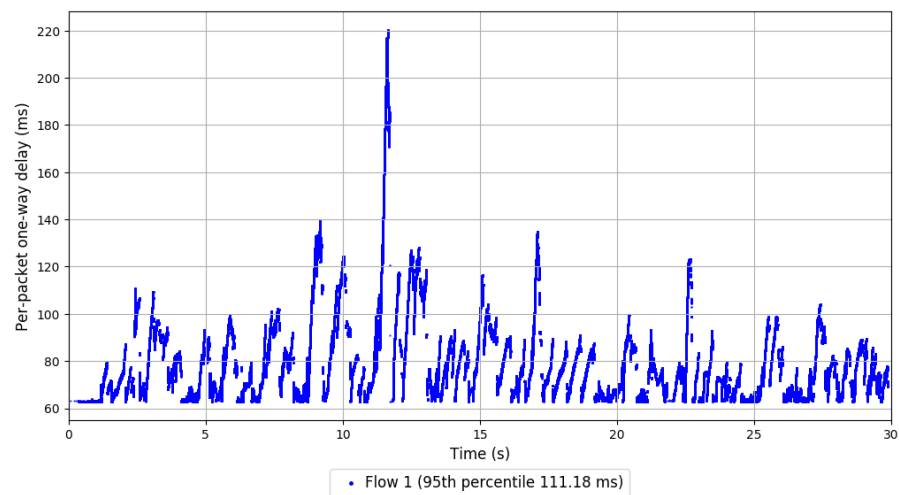
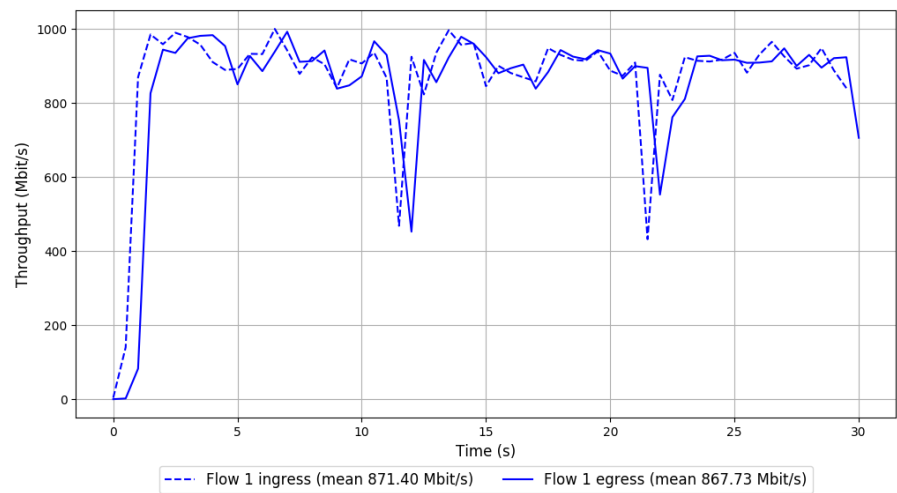
-- Flow 1:

Average throughput: 867.73 Mbit/s

95th percentile per-packet one-way delay: 111.176 ms

Loss rate: 0.85%

Run 4: Report of FillP-Sheep — Data Link

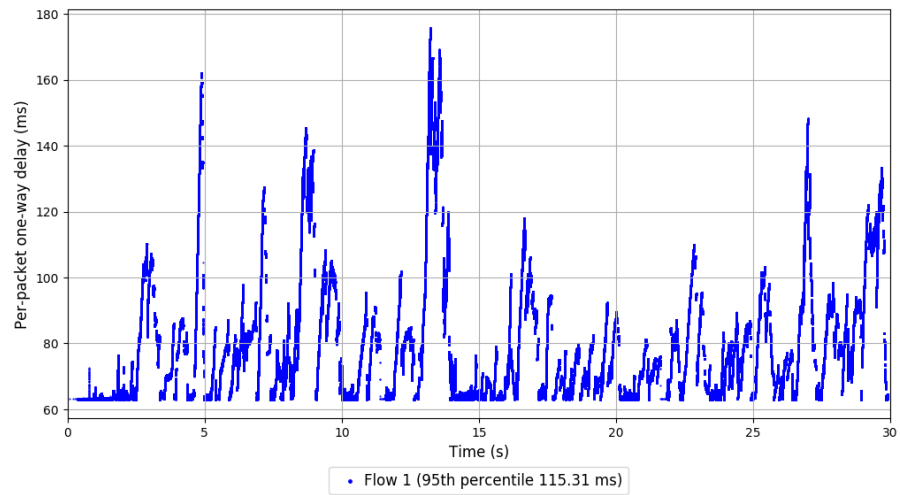
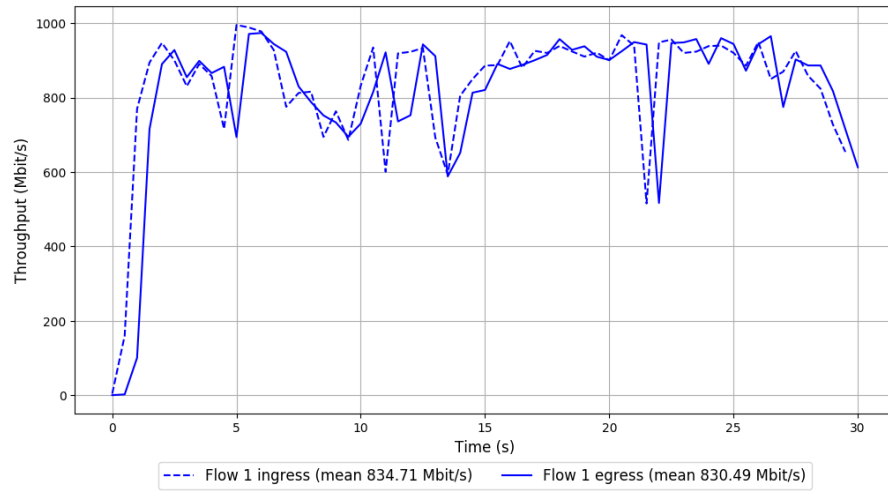


Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 06:24:09
End at: 2019-05-30 06:24:39
Local clock offset: 0.013 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.49 Mbit/s
95th percentile per-packet one-way delay: 115.309 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 830.49 Mbit/s
95th percentile per-packet one-way delay: 115.309 ms
Loss rate: 0.92%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-05-30 04:35:13

End at: 2019-05-30 04:35:43

Local clock offset: -0.088 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2019-05-30 07:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.22 Mbit/s

95th percentile per-packet one-way delay: 67.889 ms

Loss rate: 0.57%

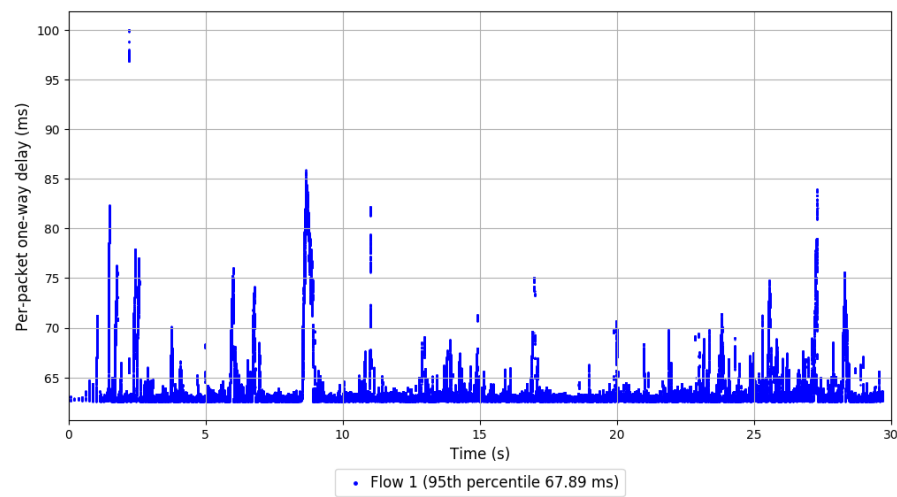
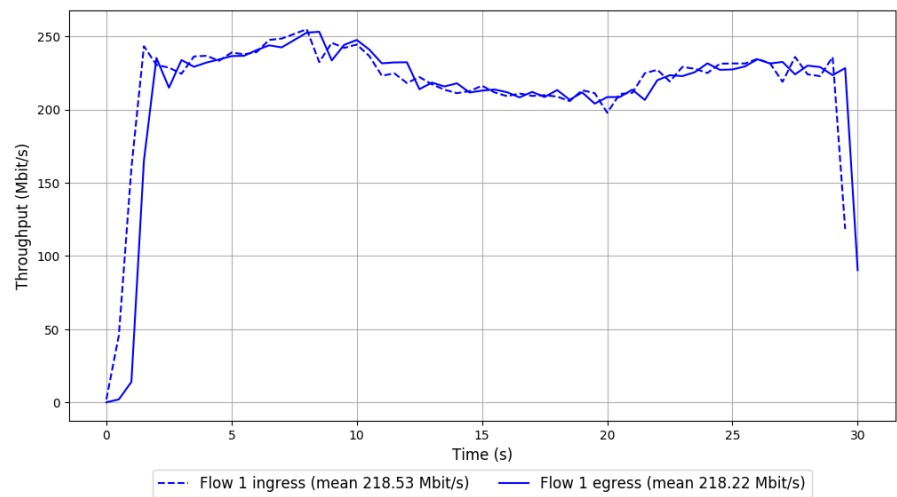
-- Flow 1:

Average throughput: 218.22 Mbit/s

95th percentile per-packet one-way delay: 67.889 ms

Loss rate: 0.57%

Run 1: Report of Indigo — Data Link

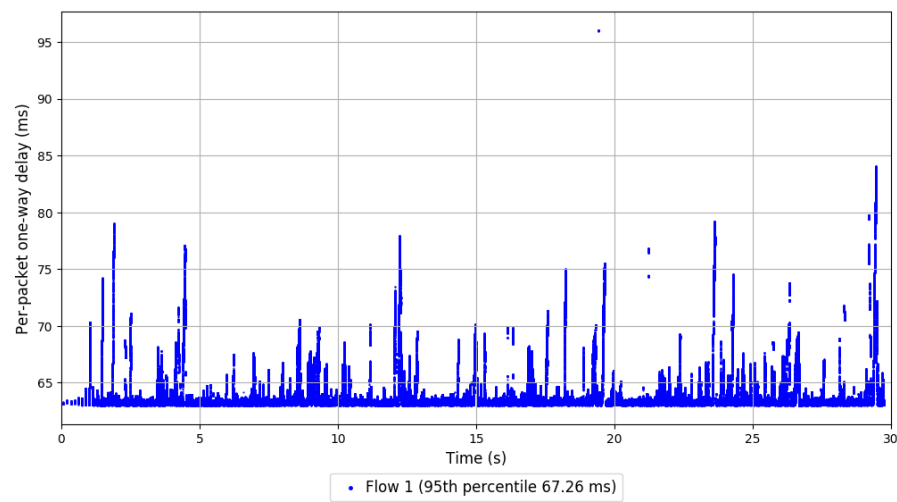
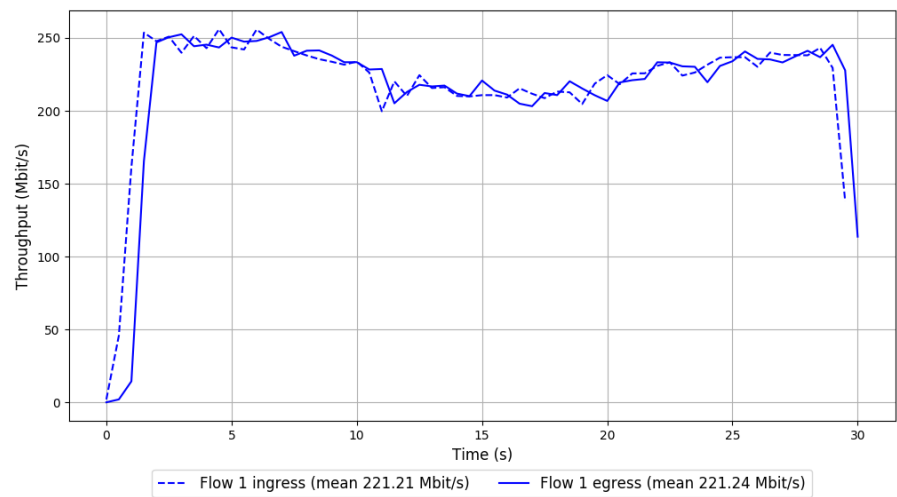


Run 2: Statistics of Indigo

Start at: 2019-05-30 05:05:51
End at: 2019-05-30 05:06:21
Local clock offset: -0.072 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 67.262 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 221.24 Mbit/s
95th percentile per-packet one-way delay: 67.262 ms
Loss rate: 0.41%

Run 2: Report of Indigo — Data Link

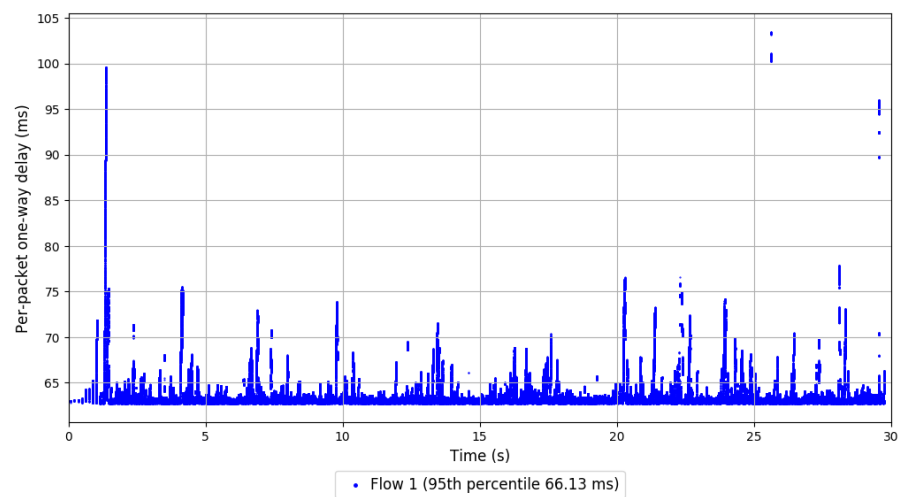
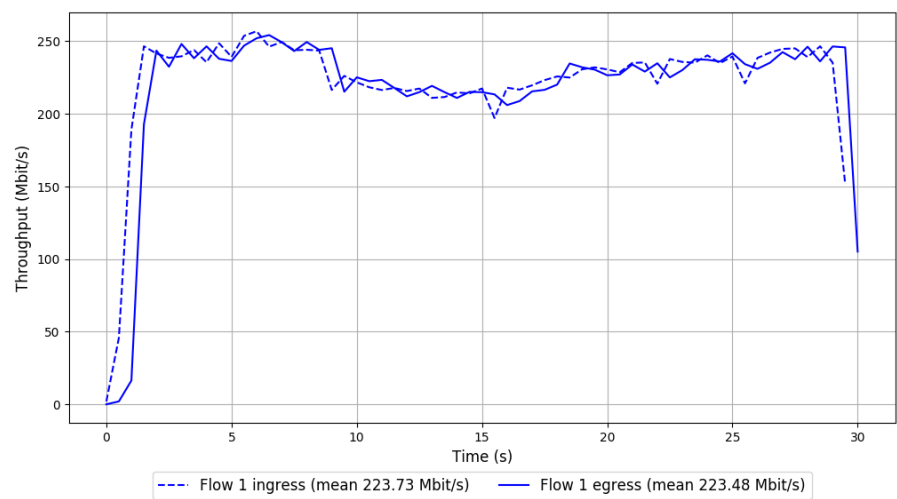


Run 3: Statistics of Indigo

Start at: 2019-05-30 05:36:15
End at: 2019-05-30 05:36:45
Local clock offset: -0.06 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.48 Mbit/s
95th percentile per-packet one-way delay: 66.132 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 223.48 Mbit/s
95th percentile per-packet one-way delay: 66.132 ms
Loss rate: 0.53%

Run 3: Report of Indigo — Data Link

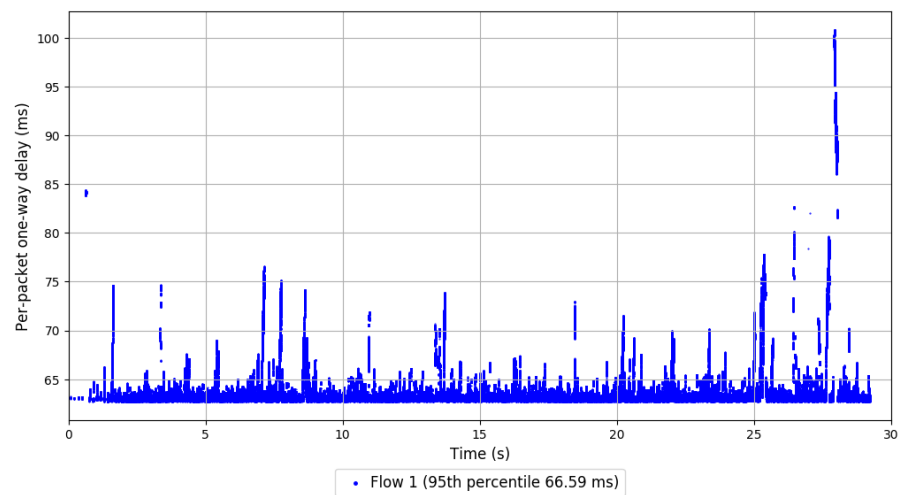
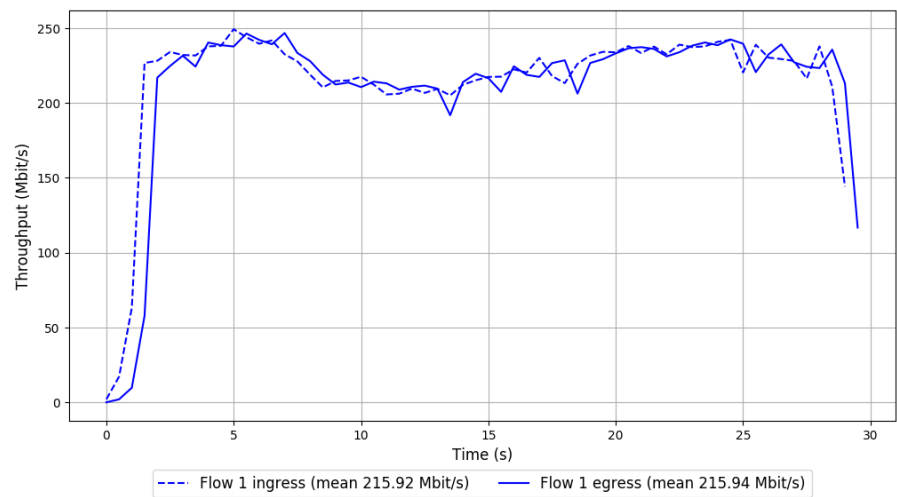


Run 4: Statistics of Indigo

Start at: 2019-05-30 06:06:44
End at: 2019-05-30 06:07:14
Local clock offset: -0.081 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.94 Mbit/s
95th percentile per-packet one-way delay: 66.588 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 215.94 Mbit/s
95th percentile per-packet one-way delay: 66.588 ms
Loss rate: 0.43%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-05-30 06:37:17

End at: 2019-05-30 06:37:47

Local clock offset: 0.015 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-05-30 07:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.34 Mbit/s

95th percentile per-packet one-way delay: 65.498 ms

Loss rate: 0.43%

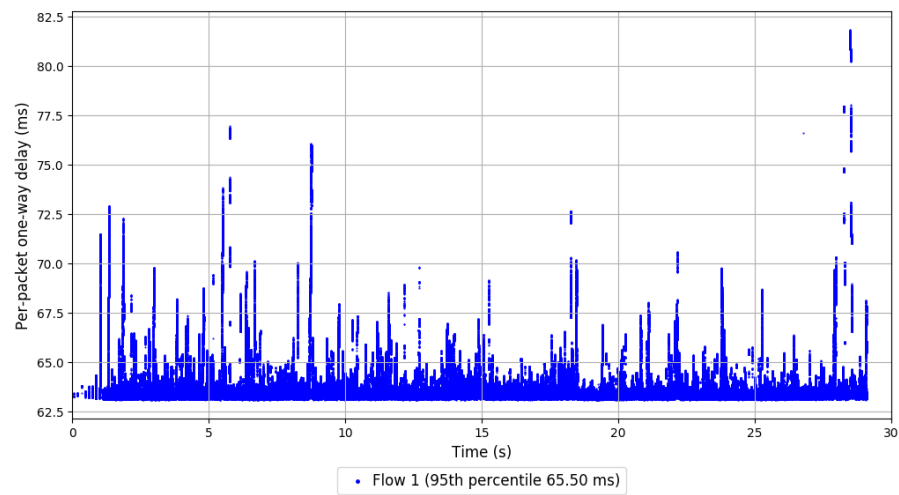
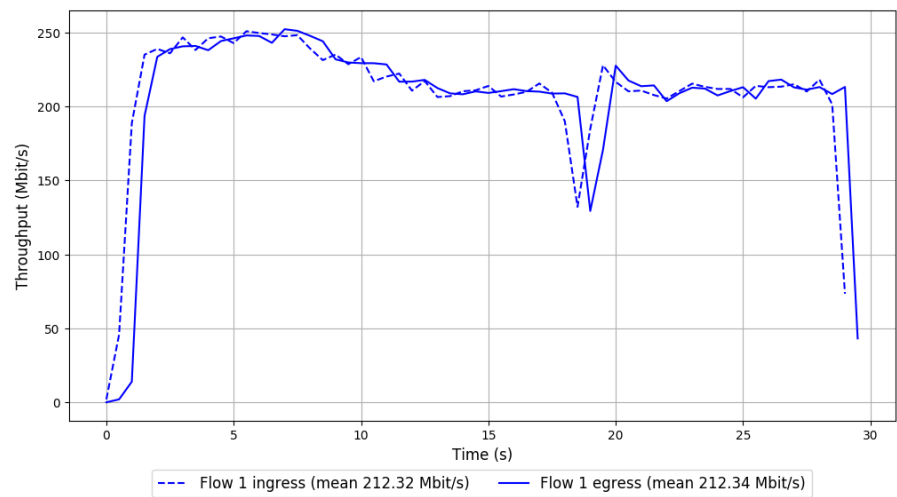
-- Flow 1:

Average throughput: 212.34 Mbit/s

95th percentile per-packet one-way delay: 65.498 ms

Loss rate: 0.43%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

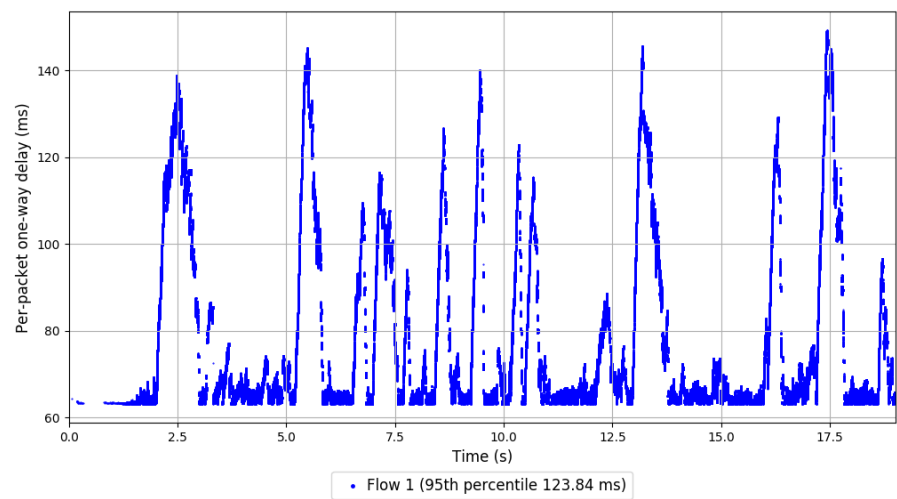
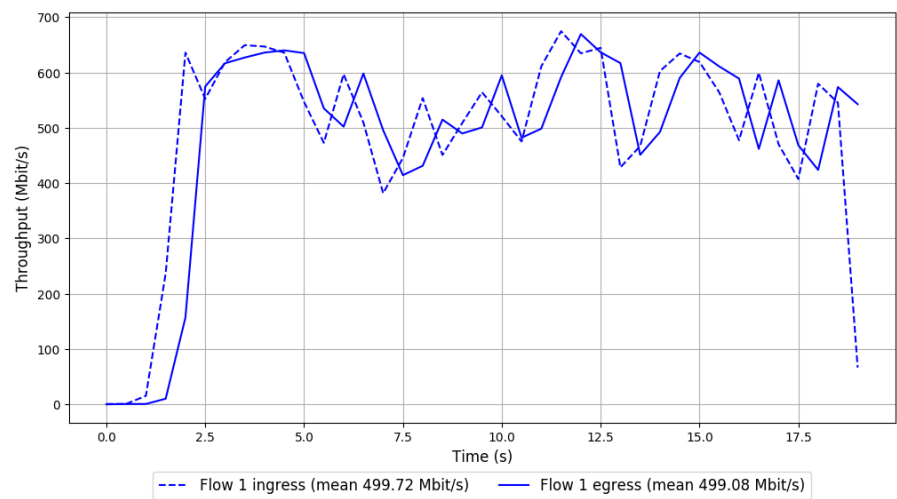
Start at: 2019-05-30 04:28:08

End at: 2019-05-30 04:28:38

Local clock offset: -0.076 ms

Remote clock offset: -0.263 ms

Run 1: Report of Indigo-MusesC3 — Data Link

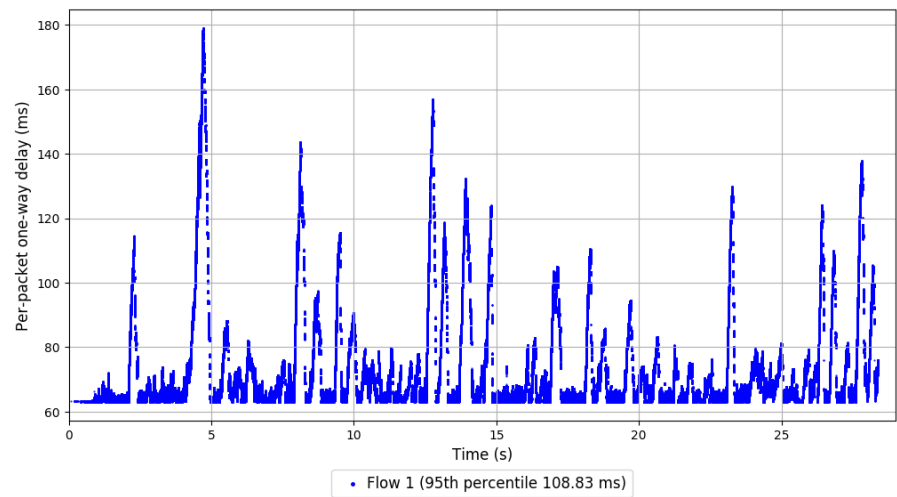
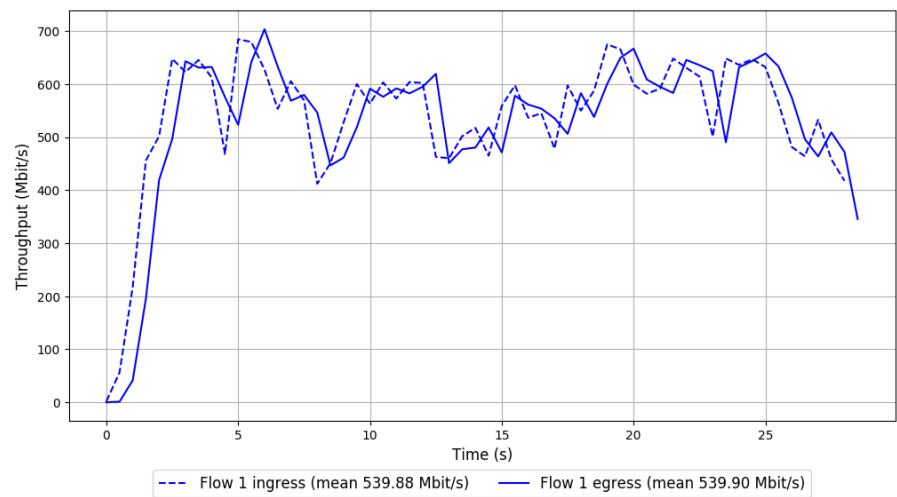


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 04:58:35
End at: 2019-05-30 04:59:05
Local clock offset: -0.052 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 539.90 Mbit/s
95th percentile per-packet one-way delay: 108.827 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 539.90 Mbit/s
95th percentile per-packet one-way delay: 108.827 ms
Loss rate: 0.44%

Run 2: Report of Indigo-MusesC3 — Data Link

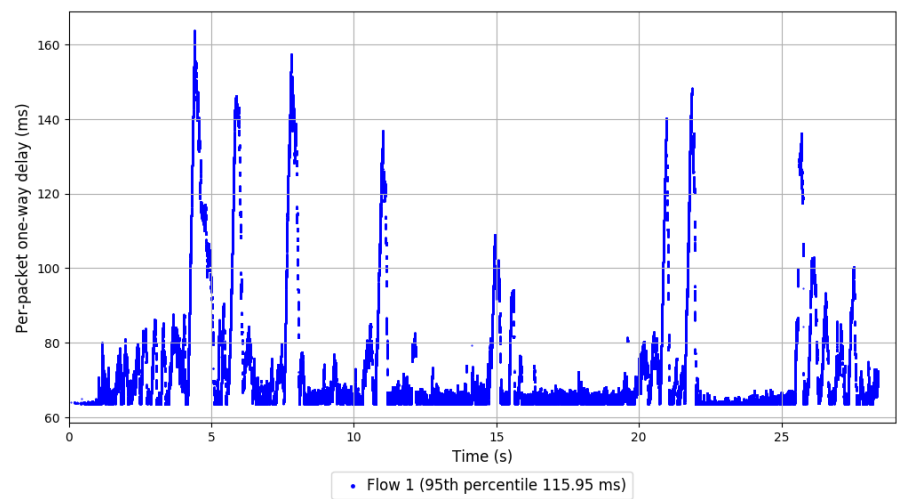
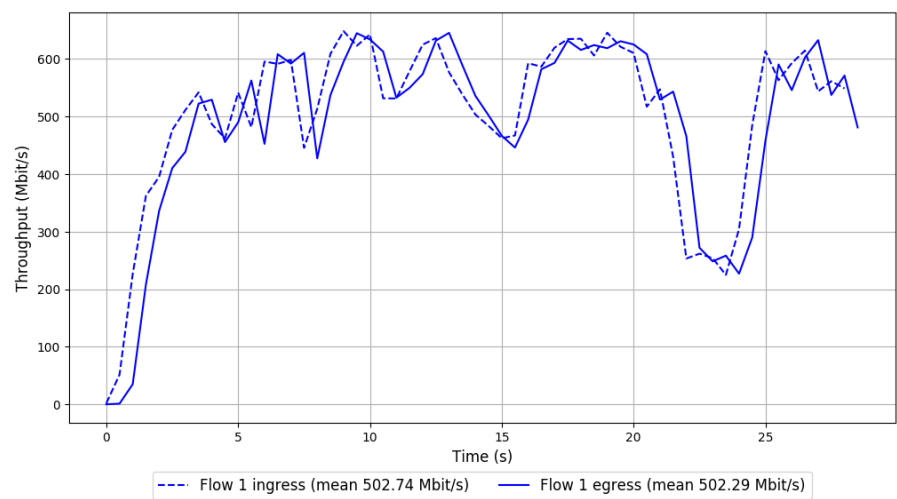


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 05:29:04
End at: 2019-05-30 05:29:34
Local clock offset: -0.091 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.29 Mbit/s
95th percentile per-packet one-way delay: 115.952 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 502.29 Mbit/s
95th percentile per-packet one-way delay: 115.952 ms
Loss rate: 0.54%

Run 3: Report of Indigo-MusesC3 — Data Link

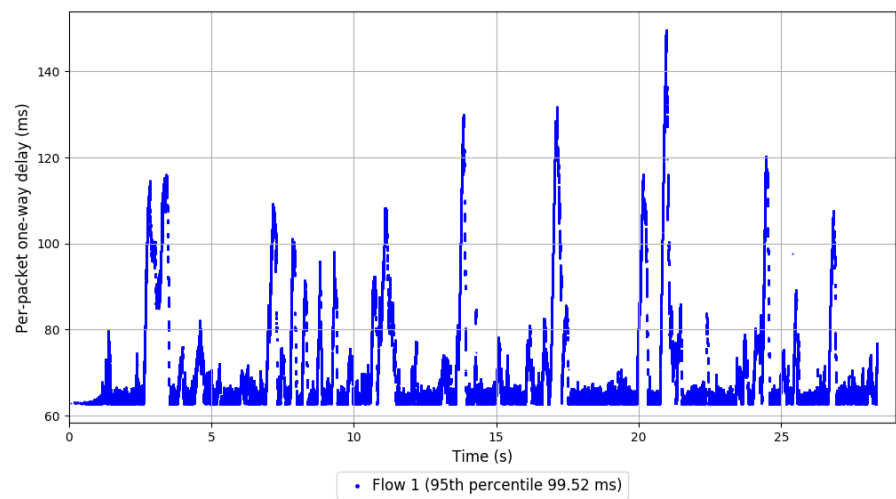
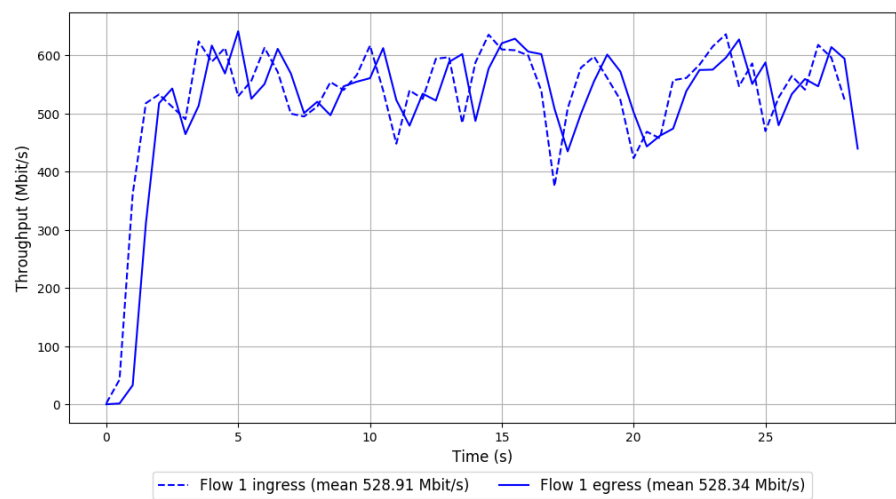


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 05:59:34
End at: 2019-05-30 06:00:04
Local clock offset: -0.057 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 528.34 Mbit/s
95th percentile per-packet one-way delay: 99.523 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 528.34 Mbit/s
95th percentile per-packet one-way delay: 99.523 ms
Loss rate: 0.55%

Run 4: Report of Indigo-MusesC3 — Data Link

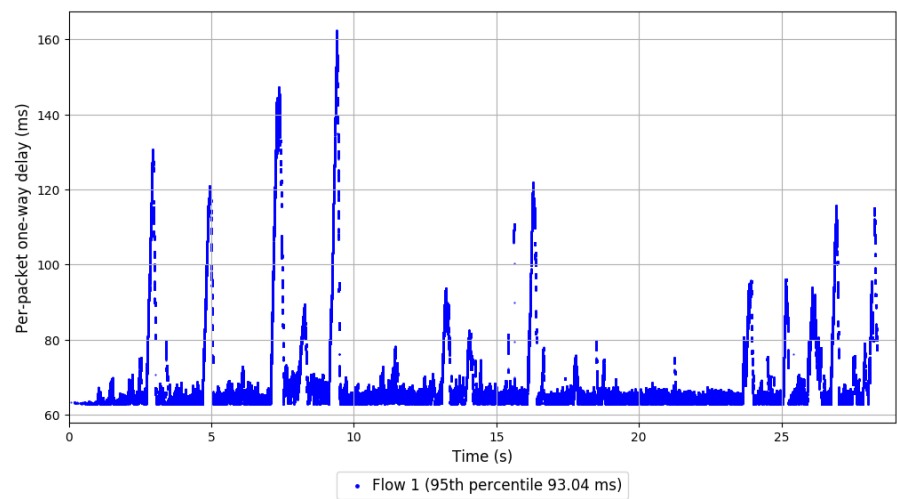
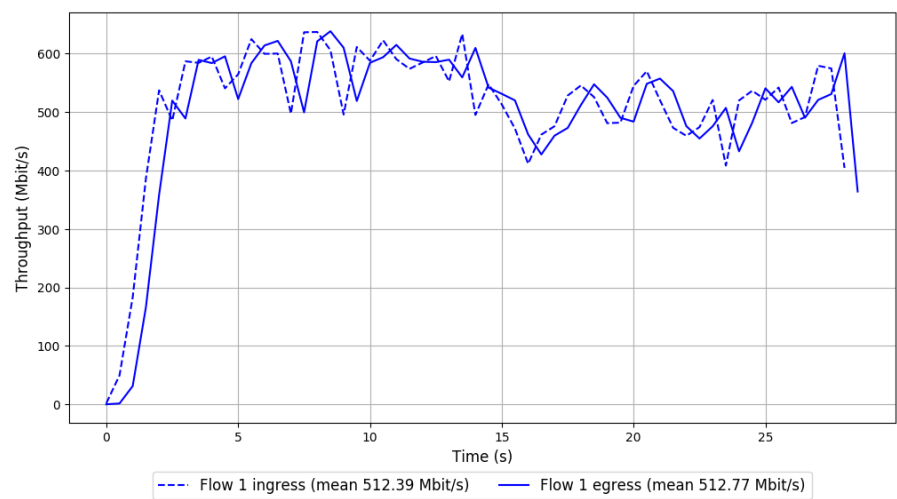


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:30:05
End at: 2019-05-30 06:30:35
Local clock offset: 0.046 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 512.77 Mbit/s
95th percentile per-packet one-way delay: 93.036 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 512.77 Mbit/s
95th percentile per-packet one-way delay: 93.036 ms
Loss rate: 0.37%

Run 5: Report of Indigo-MusesC3 — Data Link

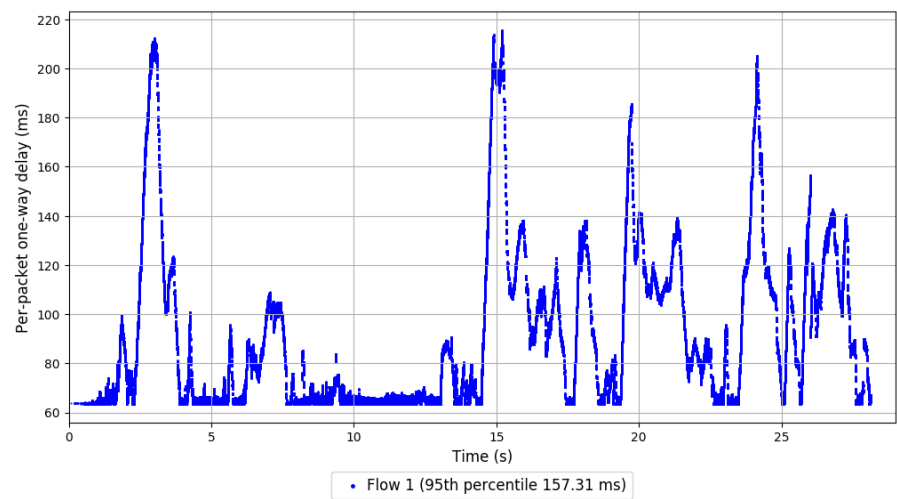
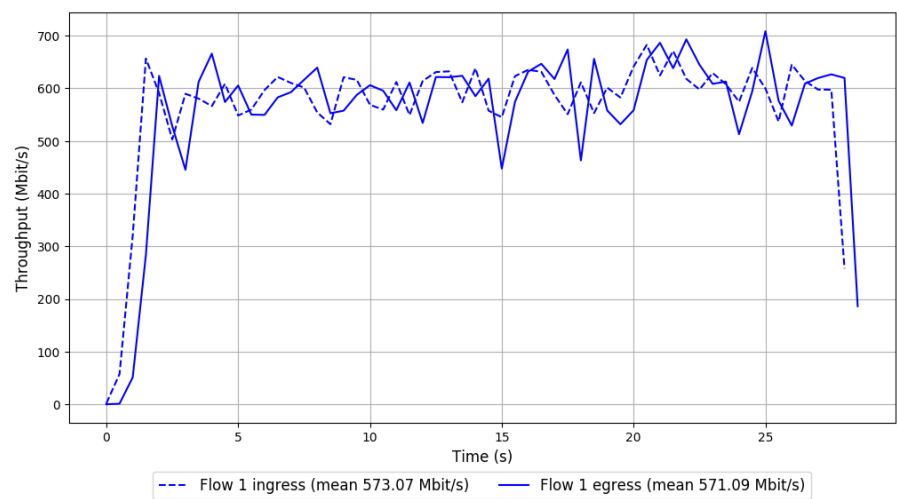


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 04:39:34
End at: 2019-05-30 04:40:04
Local clock offset: -0.051 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2019-05-30 07:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 571.09 Mbit/s
95th percentile per-packet one-way delay: 157.311 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 571.09 Mbit/s
95th percentile per-packet one-way delay: 157.311 ms
Loss rate: 0.79%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 05:10:13

End at: 2019-05-30 05:10:43

Local clock offset: -0.089 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-05-30 07:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.49 Mbit/s

95th percentile per-packet one-way delay: 95.533 ms

Loss rate: 0.57%

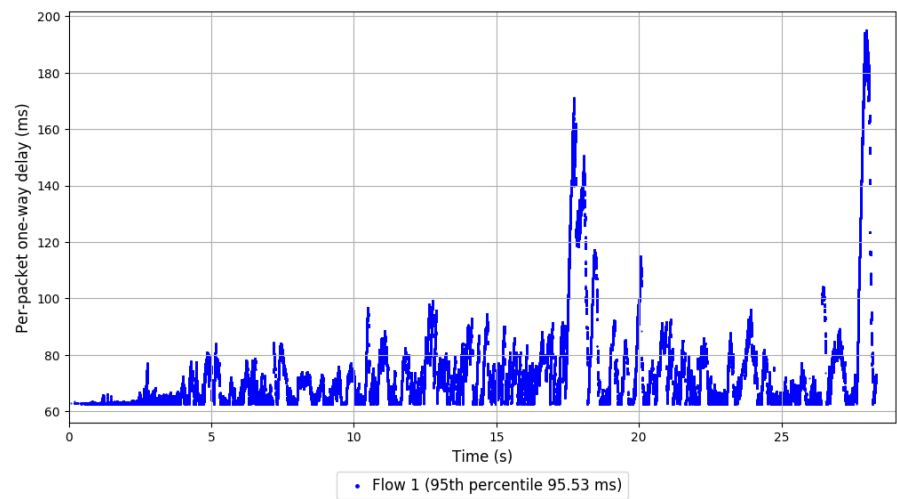
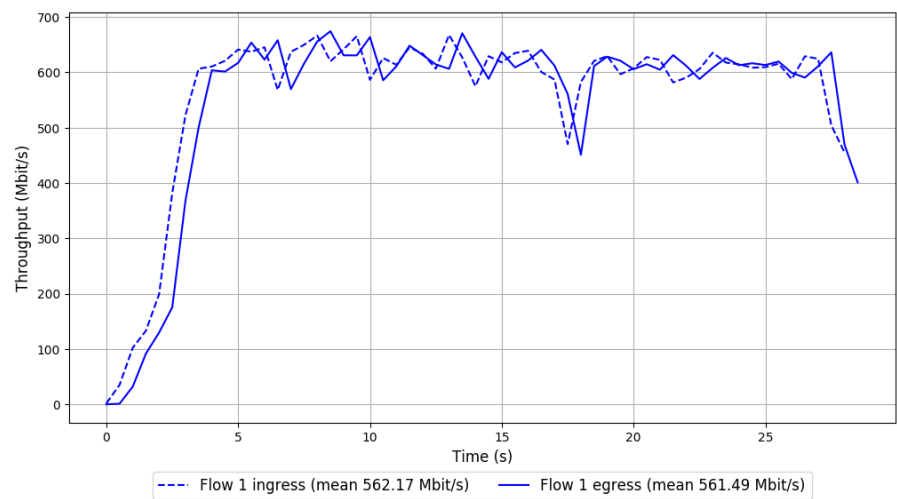
-- Flow 1:

Average throughput: 561.49 Mbit/s

95th percentile per-packet one-way delay: 95.533 ms

Loss rate: 0.57%

Run 2: Report of Indigo-MusesC5 — Data Link

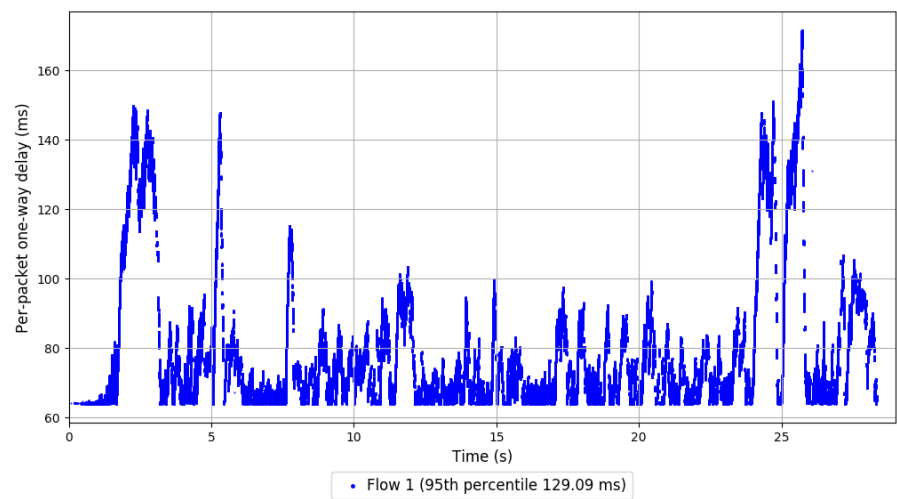
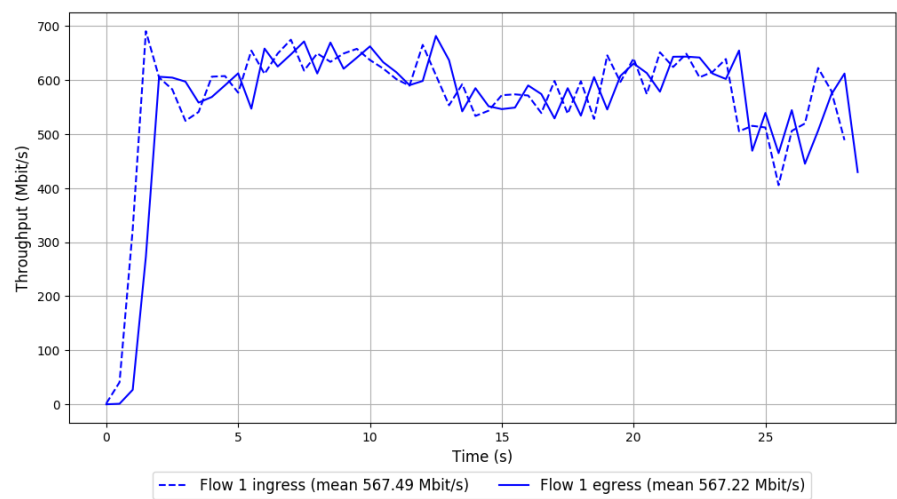


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 05:40:40
End at: 2019-05-30 05:41:10
Local clock offset: -0.043 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2019-05-30 08:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 567.22 Mbit/s
95th percentile per-packet one-way delay: 129.086 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 567.22 Mbit/s
95th percentile per-packet one-way delay: 129.086 ms
Loss rate: 0.50%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:10:58

End at: 2019-05-30 06:11:28

Local clock offset: -0.015 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-05-30 08:02:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.47 Mbit/s

95th percentile per-packet one-way delay: 99.866 ms

Loss rate: 0.59%

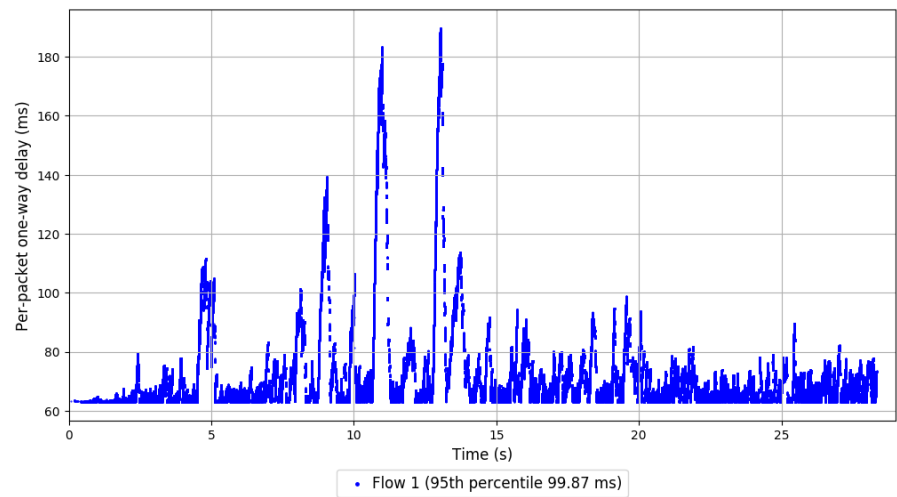
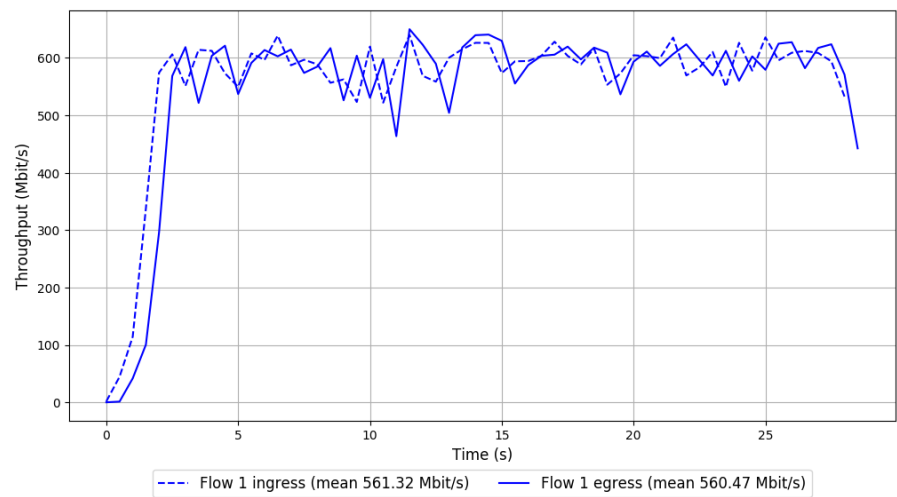
-- Flow 1:

Average throughput: 560.47 Mbit/s

95th percentile per-packet one-way delay: 99.866 ms

Loss rate: 0.59%

Run 4: Report of Indigo-MusesC5 — Data Link

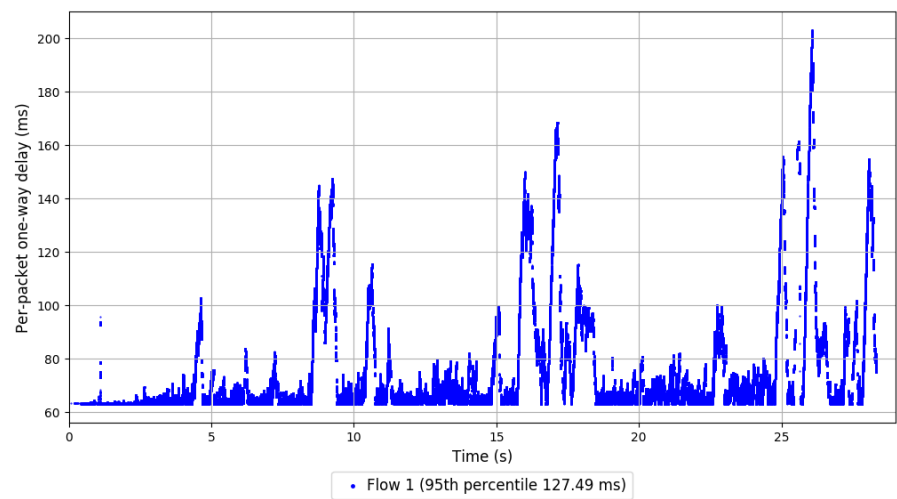
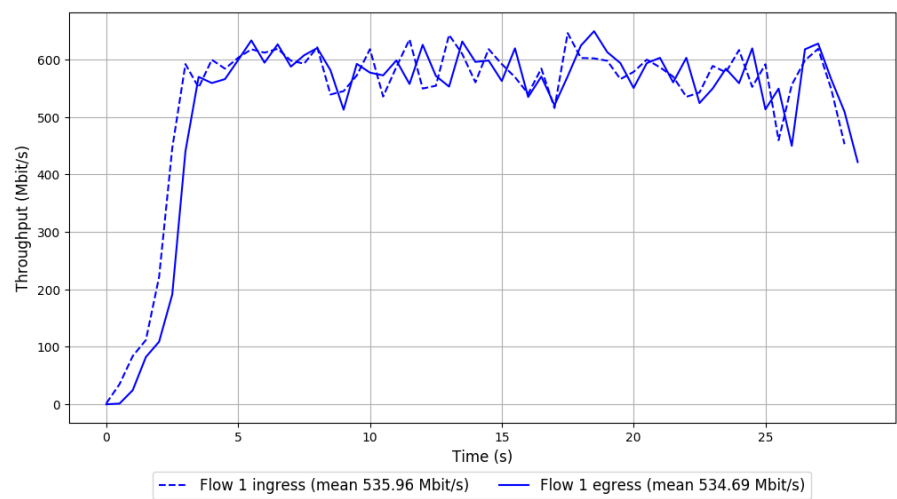


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:41:37
End at: 2019-05-30 06:42:07
Local clock offset: 0.005 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-05-30 08:02:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 534.69 Mbit/s
95th percentile per-packet one-way delay: 127.488 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 534.69 Mbit/s
95th percentile per-packet one-way delay: 127.488 ms
Loss rate: 0.68%

Run 5: Report of Indigo-MusesC5 — Data Link

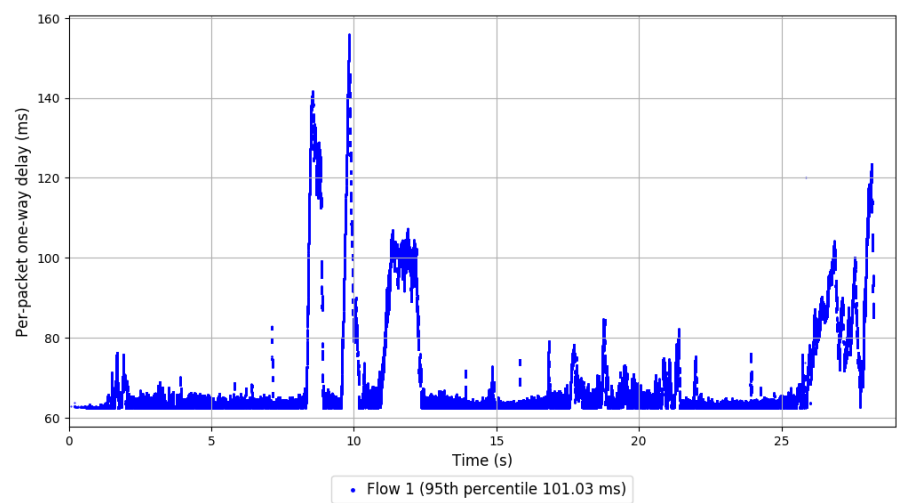
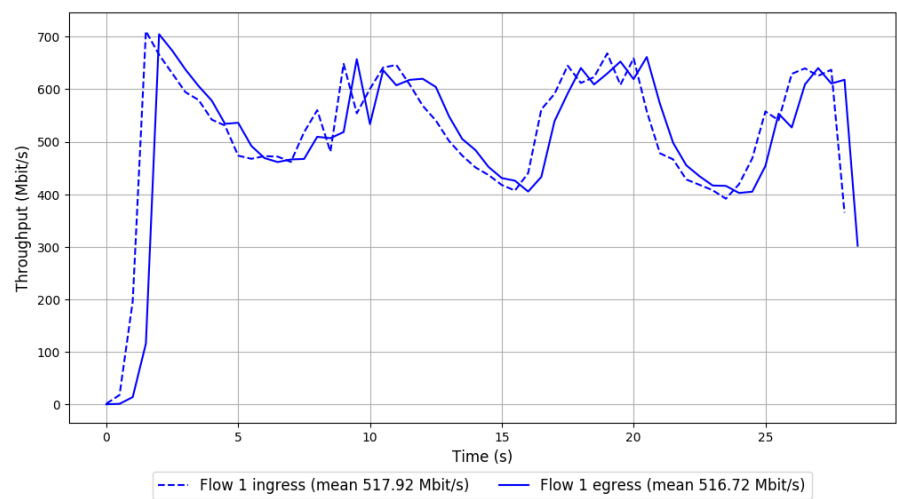


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 04:42:32
End at: 2019-05-30 04:43:02
Local clock offset: -0.049 ms
Remote clock offset: 0.406 ms

# Below is generated by plot.py at 2019-05-30 08:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 516.72 Mbit/s
95th percentile per-packet one-way delay: 101.026 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 516.72 Mbit/s
95th percentile per-packet one-way delay: 101.026 ms
Loss rate: 0.68%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 05:13:12

End at: 2019-05-30 05:13:42

Local clock offset: -0.124 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2019-05-30 08:02:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 482.36 Mbit/s

95th percentile per-packet one-way delay: 133.915 ms

Loss rate: 0.46%

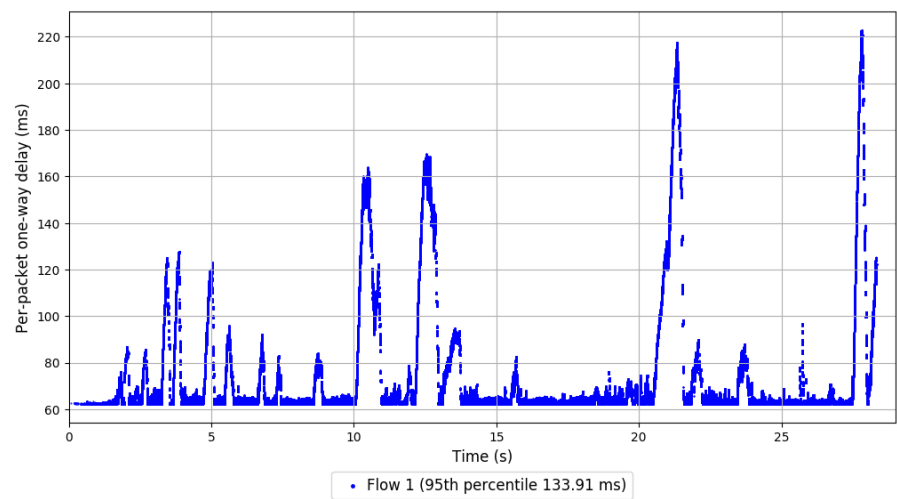
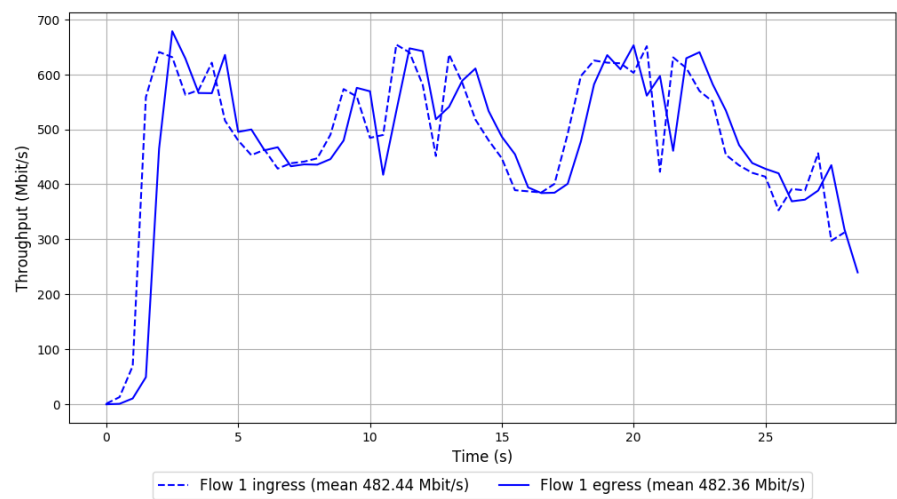
-- Flow 1:

Average throughput: 482.36 Mbit/s

95th percentile per-packet one-way delay: 133.915 ms

Loss rate: 0.46%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 05:43:41

End at: 2019-05-30 05:44:11

Local clock offset: -0.055 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-05-30 08:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.56 Mbit/s

95th percentile per-packet one-way delay: 115.816 ms

Loss rate: 0.68%

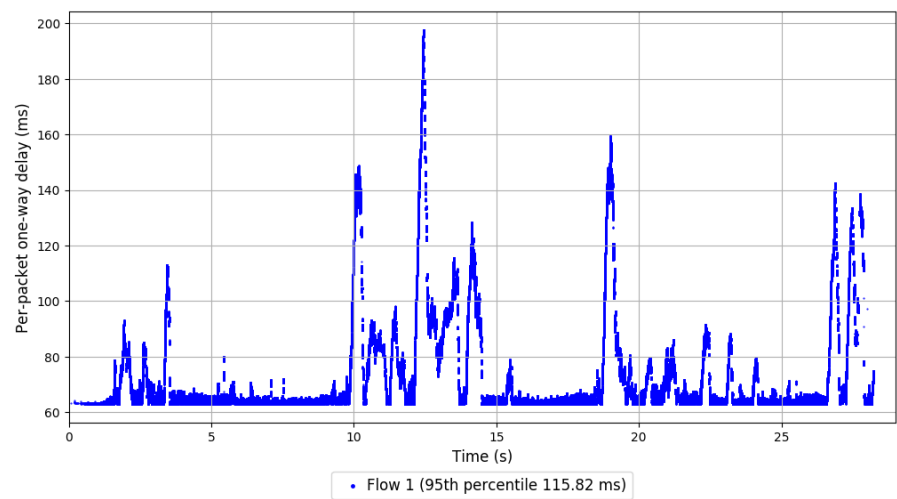
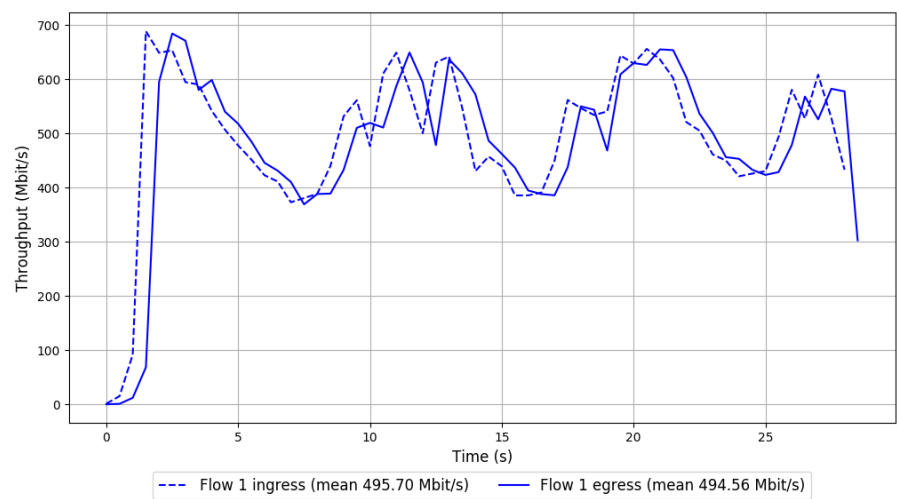
-- Flow 1:

Average throughput: 494.56 Mbit/s

95th percentile per-packet one-way delay: 115.816 ms

Loss rate: 0.68%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:13:53

End at: 2019-05-30 06:14:23

Local clock offset: -0.05 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-05-30 08:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.74 Mbit/s

95th percentile per-packet one-way delay: 113.769 ms

Loss rate: 0.52%

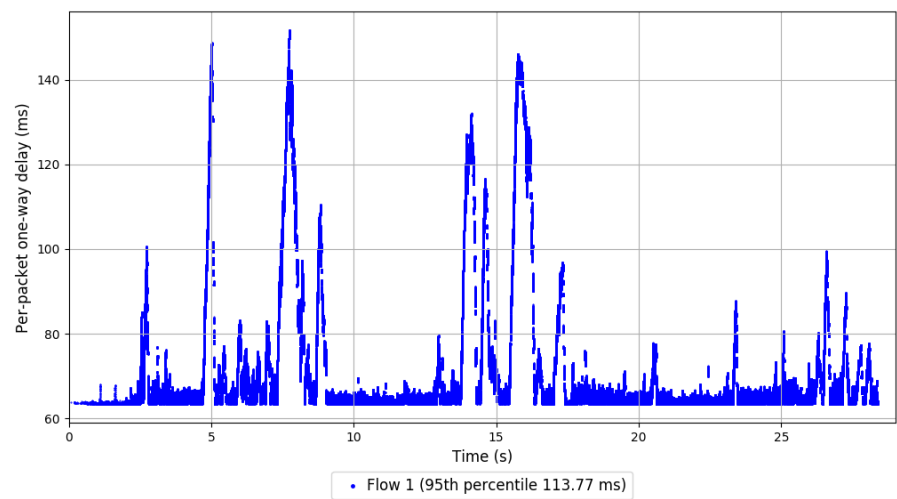
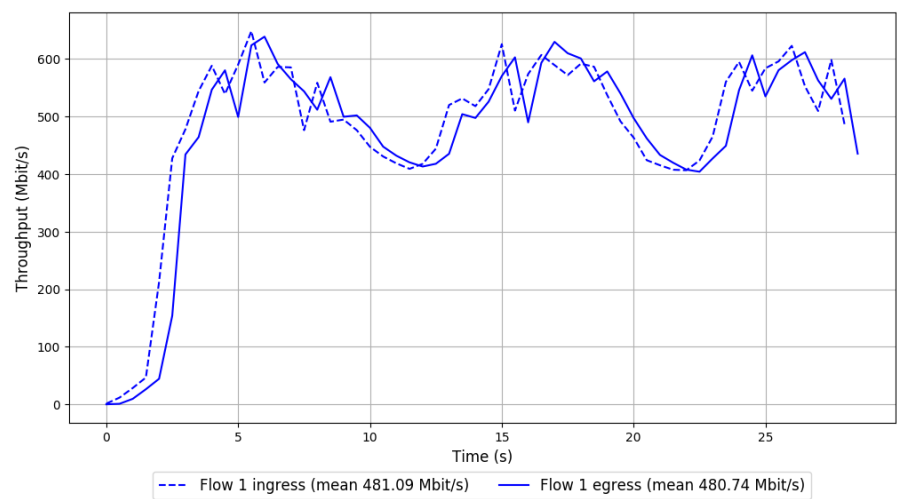
-- Flow 1:

Average throughput: 480.74 Mbit/s

95th percentile per-packet one-way delay: 113.769 ms

Loss rate: 0.52%

Run 4: Report of Indigo-MusesD — Data Link

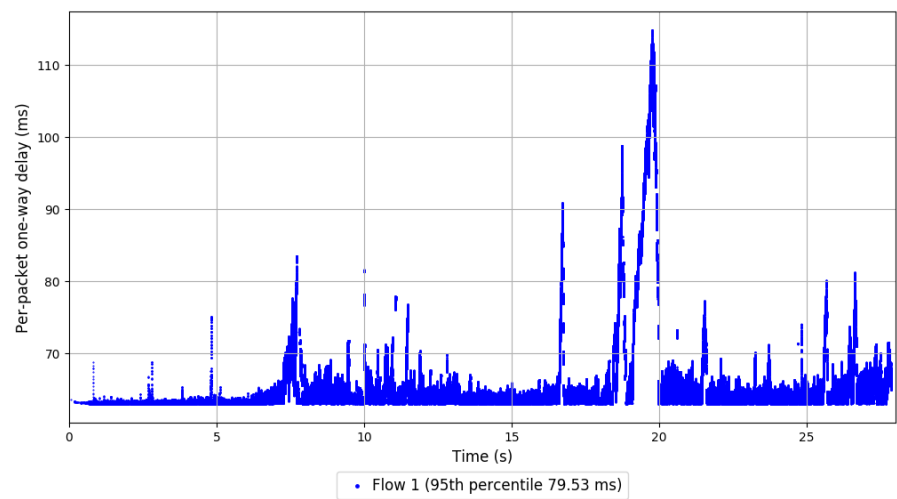
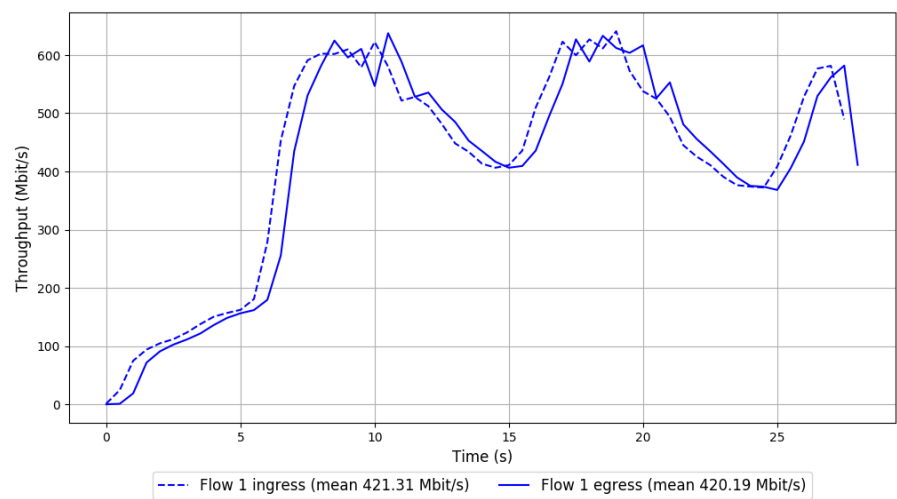


Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:44:33
End at: 2019-05-30 06:45:03
Local clock offset: -0.013 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2019-05-30 08:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.19 Mbit/s
95th percentile per-packet one-way delay: 79.530 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 420.19 Mbit/s
95th percentile per-packet one-way delay: 79.530 ms
Loss rate: 0.71%

Run 5: Report of Indigo-MusesD — Data Link

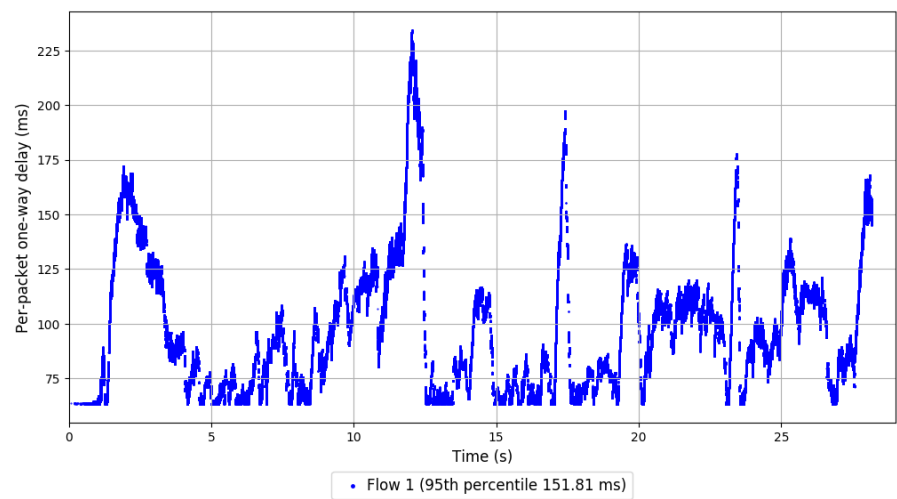
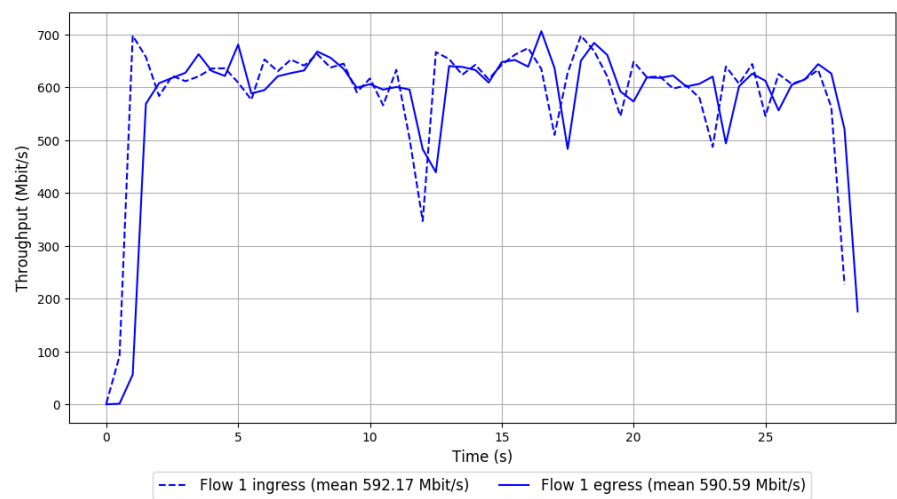


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-05-30 04:29:32
End at: 2019-05-30 04:30:03
Local clock offset: -0.082 ms
Remote clock offset: -0.175 ms

# Below is generated by plot.py at 2019-05-30 08:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 590.59 Mbit/s
95th percentile per-packet one-way delay: 151.810 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 590.59 Mbit/s
95th percentile per-packet one-way delay: 151.810 ms
Loss rate: 0.72%
```

Run 1: Report of Indigo-MusesT — Data Link

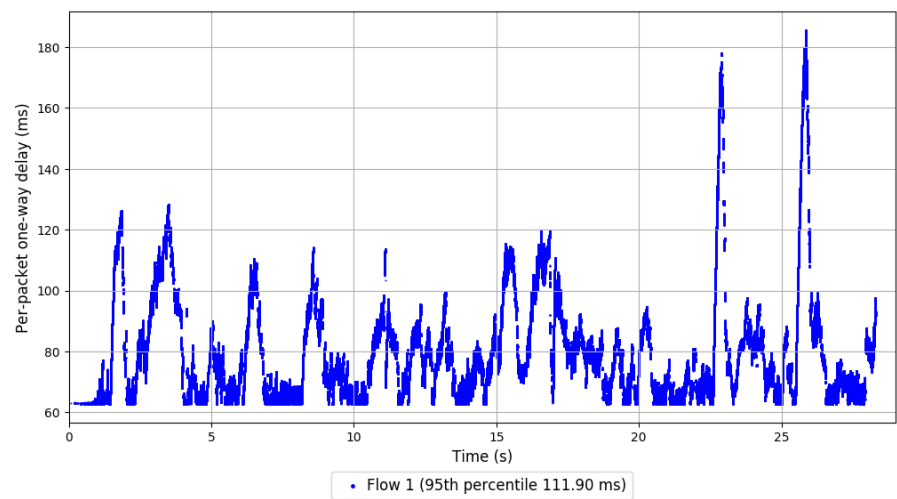
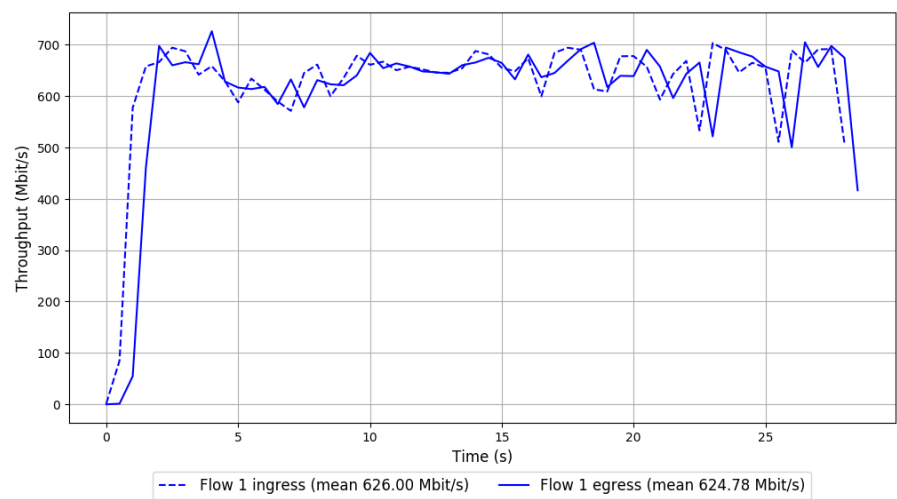


Run 2: Statistics of Indigo-MusesT

Start at: 2019-05-30 05:00:09
End at: 2019-05-30 05:00:39
Local clock offset: -0.013 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2019-05-30 08:12:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 624.78 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 624.78 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 0.64%

Run 2: Report of Indigo-MusesT — Data Link

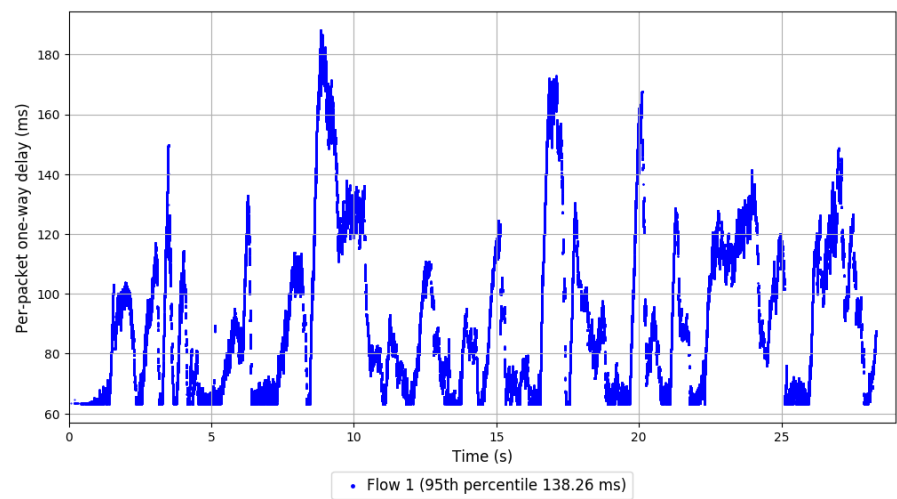
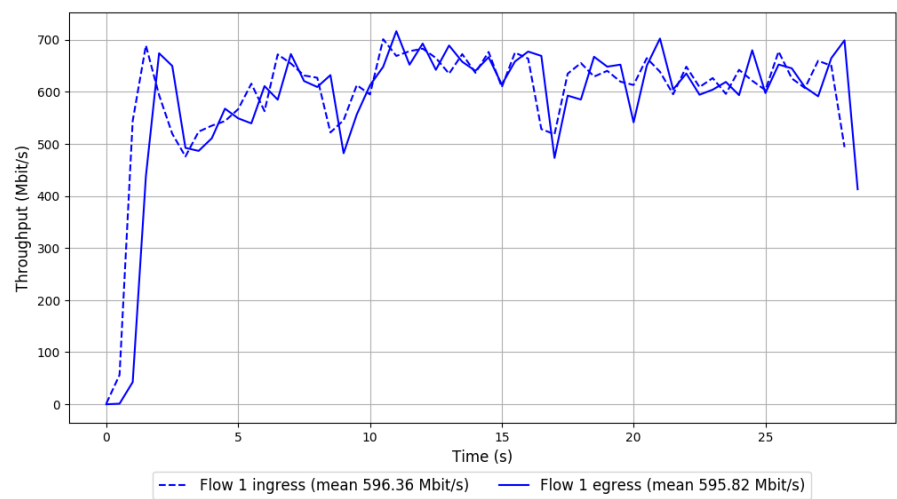


Run 3: Statistics of Indigo-MusesT

Start at: 2019-05-30 05:30:36
End at: 2019-05-30 05:31:06
Local clock offset: -0.113 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2019-05-30 08:12:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 595.82 Mbit/s
95th percentile per-packet one-way delay: 138.257 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 595.82 Mbit/s
95th percentile per-packet one-way delay: 138.257 ms
Loss rate: 0.53%

Run 3: Report of Indigo-MusesT — Data Link

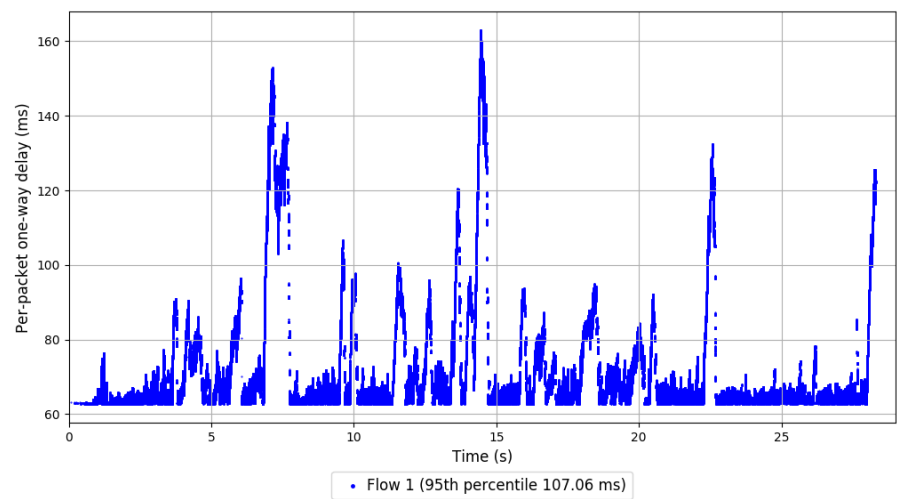
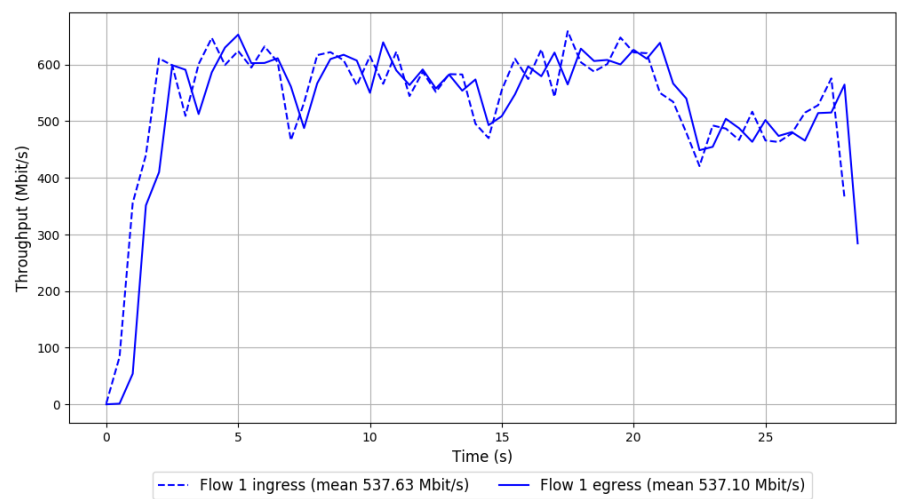


Run 4: Statistics of Indigo-MusesT

Start at: 2019-05-30 06:01:07
End at: 2019-05-30 06:01:37
Local clock offset: -0.073 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-05-30 08:12:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 537.10 Mbit/s
95th percentile per-packet one-way delay: 107.062 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 537.10 Mbit/s
95th percentile per-packet one-way delay: 107.062 ms
Loss rate: 0.54%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-05-30 06:31:37

End at: 2019-05-30 06:32:07

Local clock offset: 0.004 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-05-30 08:12:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.17 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.61%

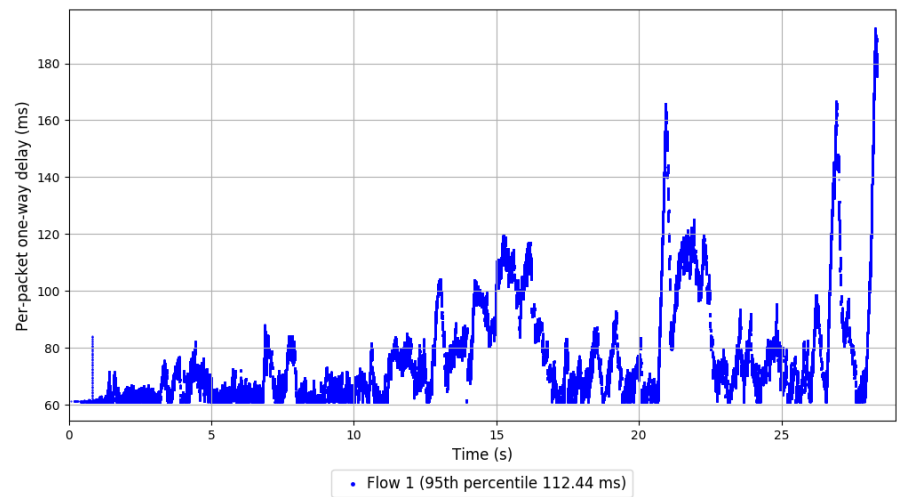
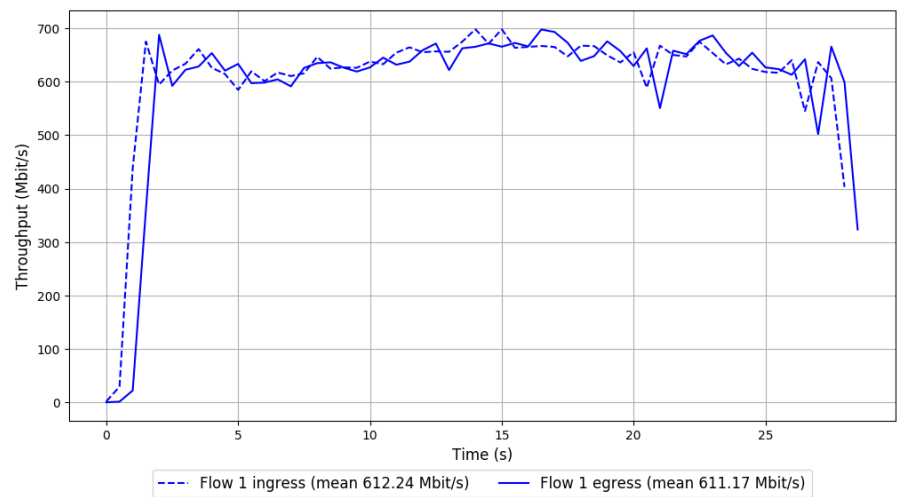
-- Flow 1:

Average throughput: 611.17 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.61%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-05-30 04:31:09

End at: 2019-05-30 04:31:39

Local clock offset: -0.053 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-05-30 08:12:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 64.720 ms

Loss rate: 0.85%

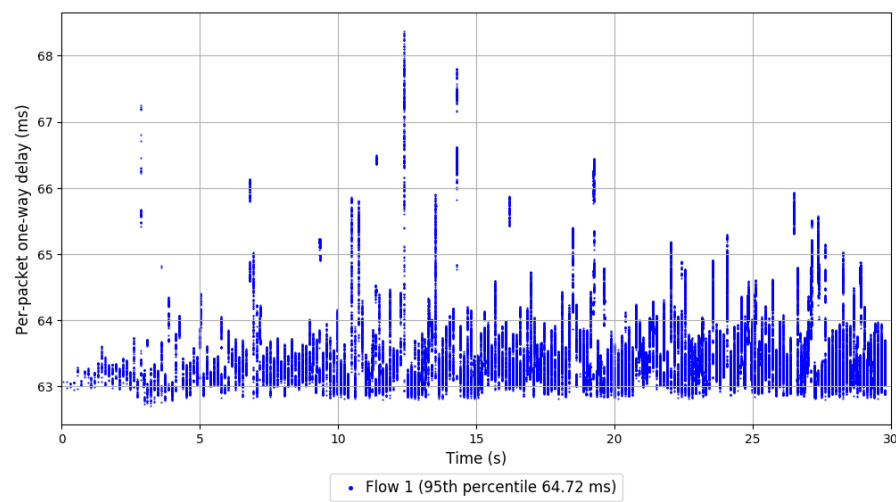
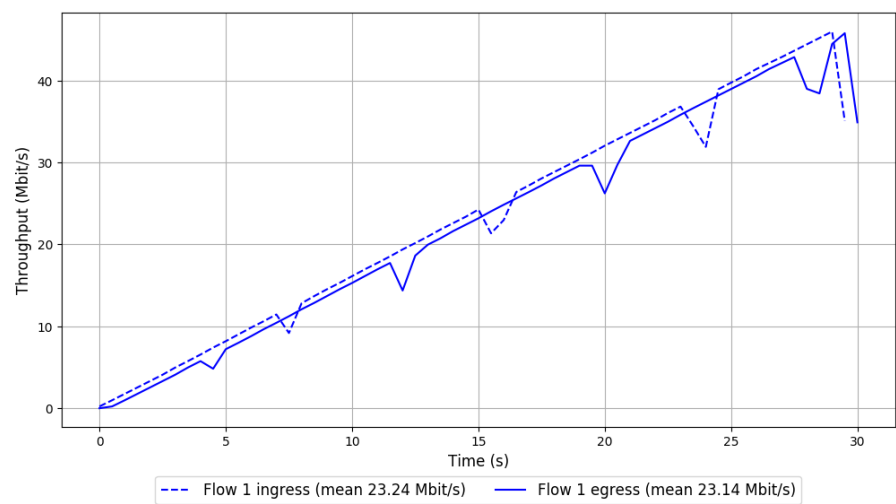
-- Flow 1:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 64.720 ms

Loss rate: 0.85%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-05-30 05:01:47

End at: 2019-05-30 05:02:17

Local clock offset: -0.087 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-05-30 08:12:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 64.412 ms

Loss rate: 0.84%

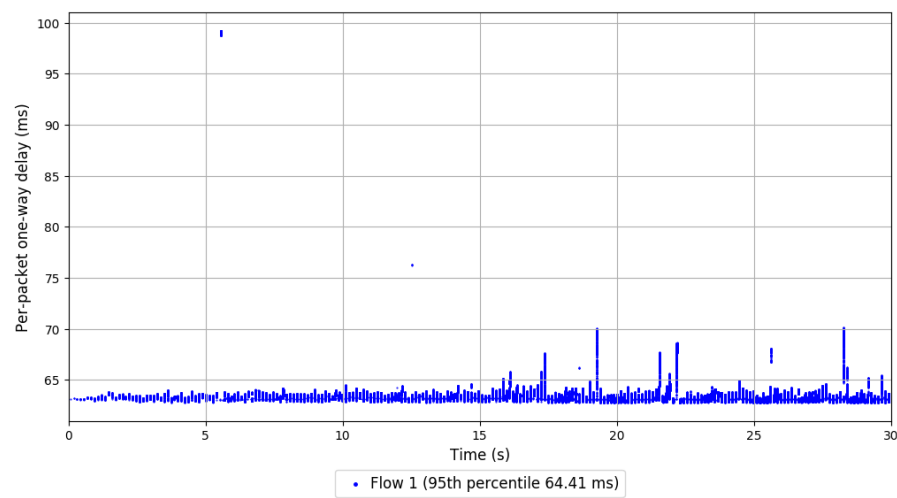
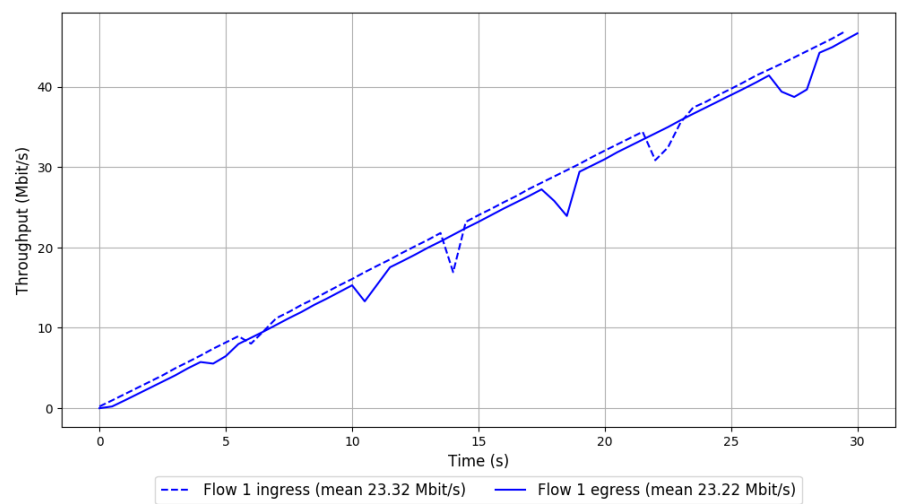
-- Flow 1:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 64.412 ms

Loss rate: 0.84%

Run 2: Report of LEDBAT — Data Link

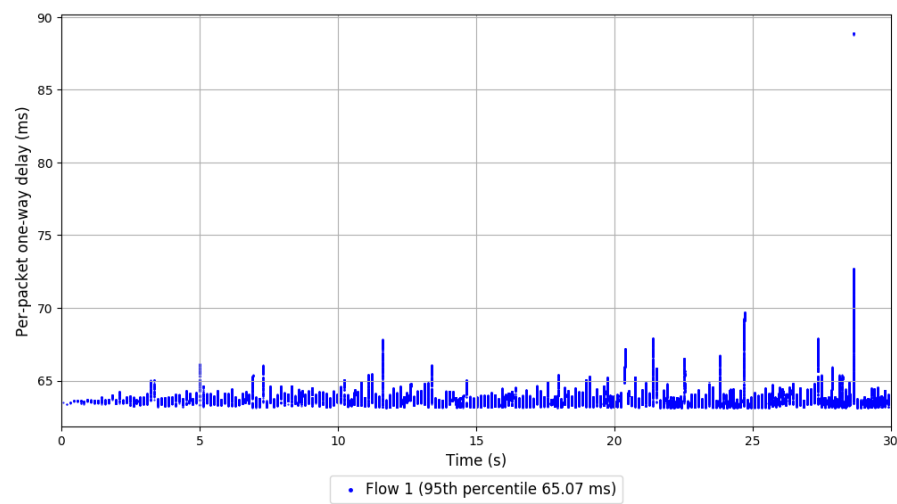
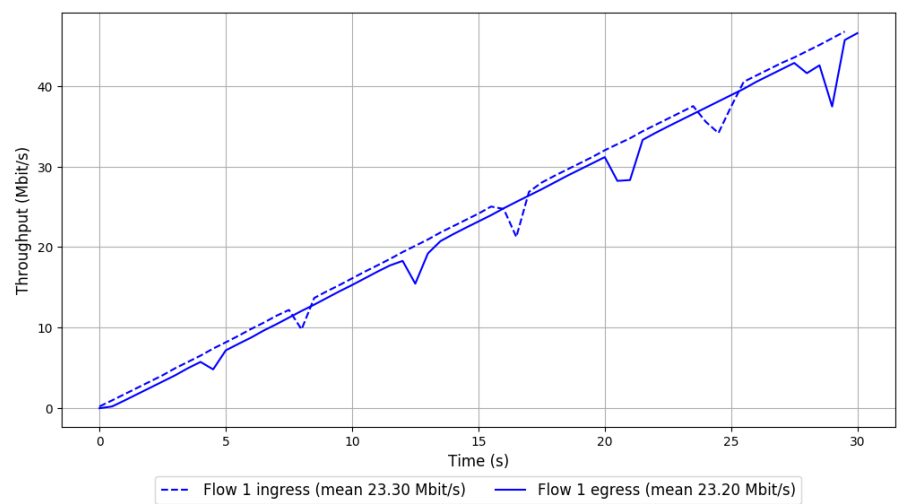


Run 3: Statistics of LEDBAT

Start at: 2019-05-30 05:32:12
End at: 2019-05-30 05:32:42
Local clock offset: -0.07 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2019-05-30 08:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 65.068 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 65.068 ms
Loss rate: 0.84%

Run 3: Report of LEDBAT — Data Link

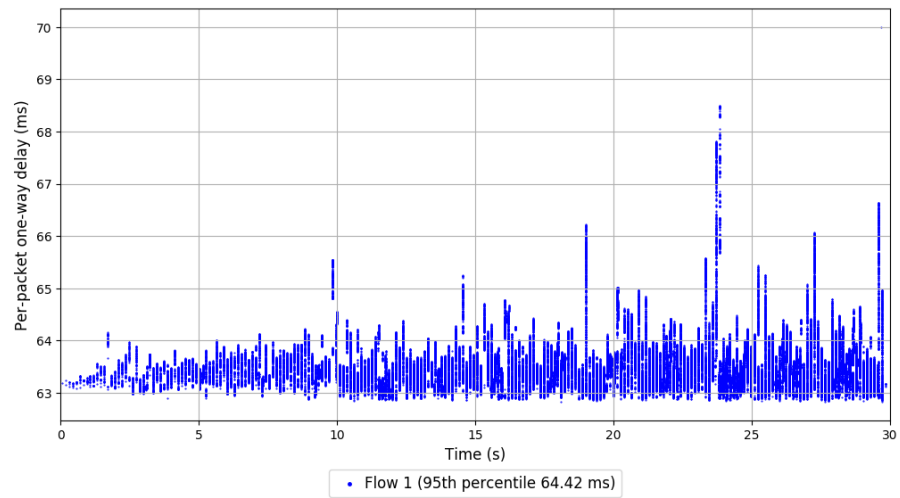
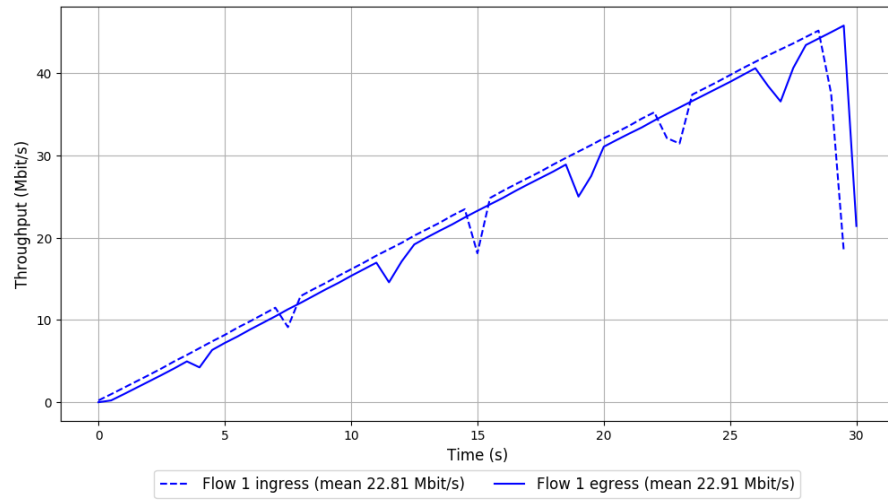


Run 4: Statistics of LEDBAT

Start at: 2019-05-30 06:02:41
End at: 2019-05-30 06:03:11
Local clock offset: -0.064 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-05-30 08:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 64.415 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 64.415 ms
Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

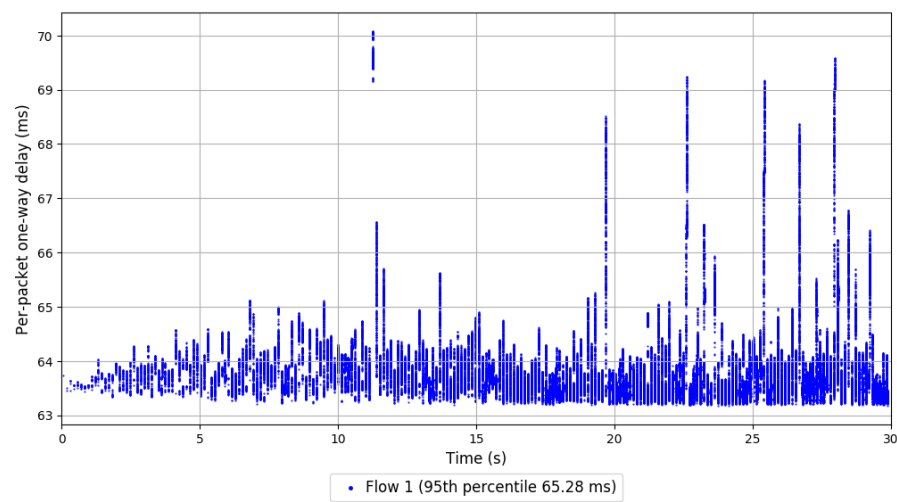
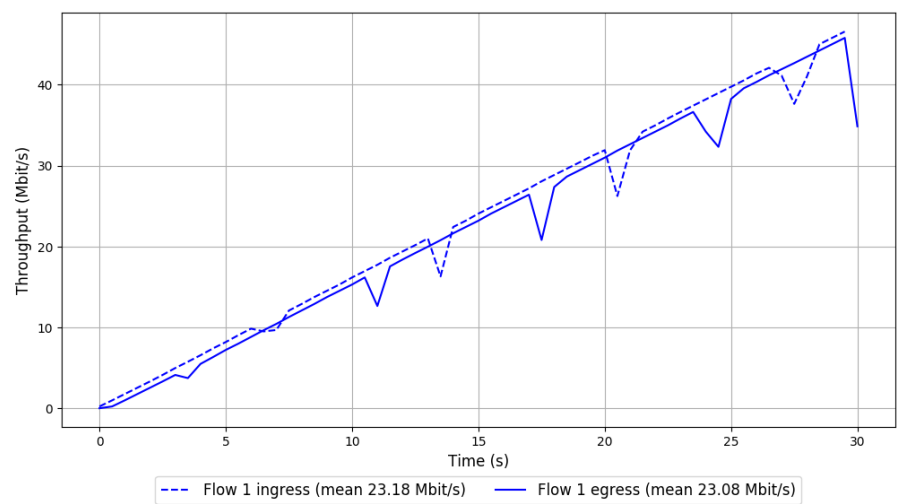


Run 5: Statistics of LEDBAT

Start at: 2019-05-30 06:33:14
End at: 2019-05-30 06:33:44
Local clock offset: 0.006 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-05-30 08:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 0.84%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 04:19:16

End at: 2019-05-30 04:19:46

Local clock offset: -0.13 ms

Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-05-30 08:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.07 Mbit/s

95th percentile per-packet one-way delay: 86.951 ms

Loss rate: 0.79%

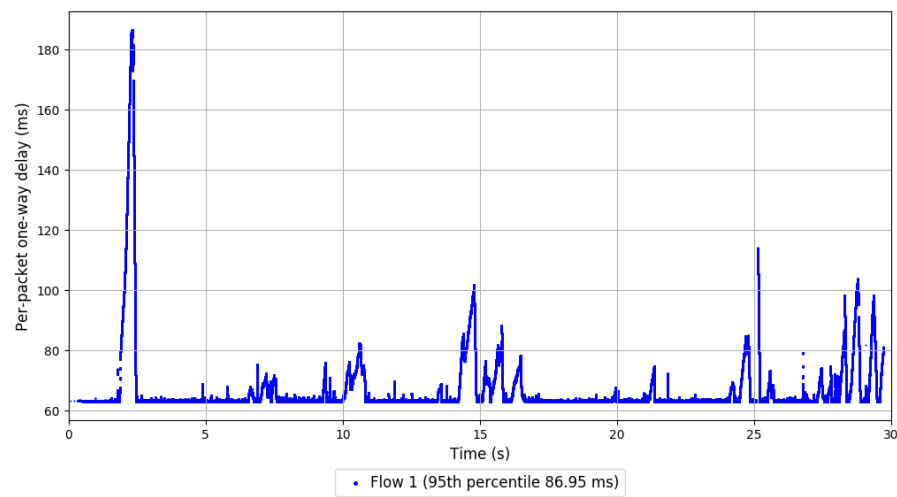
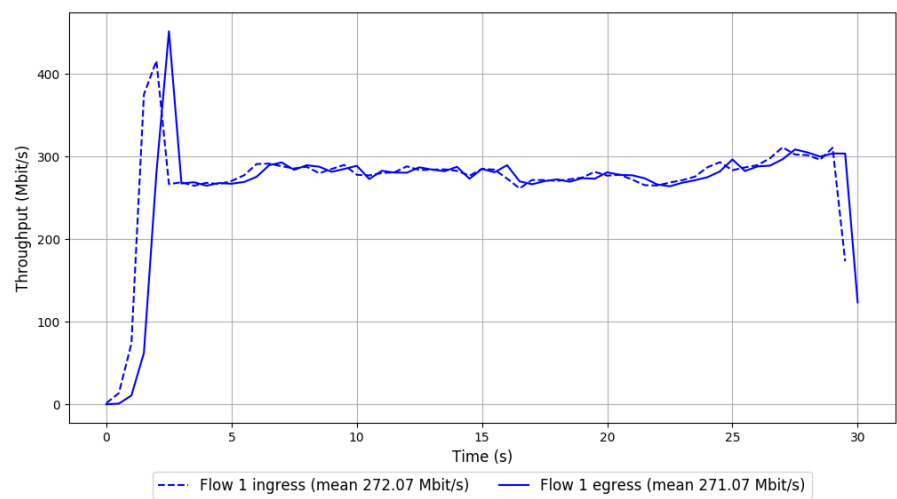
-- Flow 1:

Average throughput: 271.07 Mbit/s

95th percentile per-packet one-way delay: 86.951 ms

Loss rate: 0.79%

Run 1: Report of PCC-Allegro — Data Link

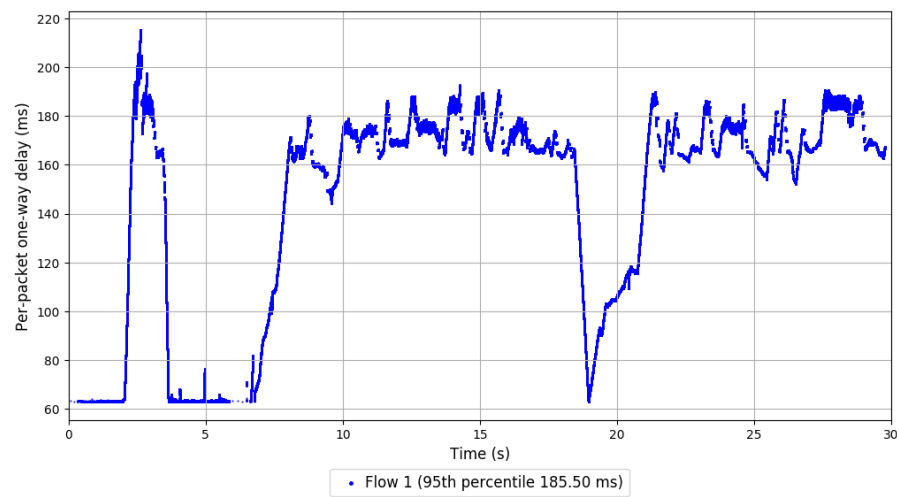
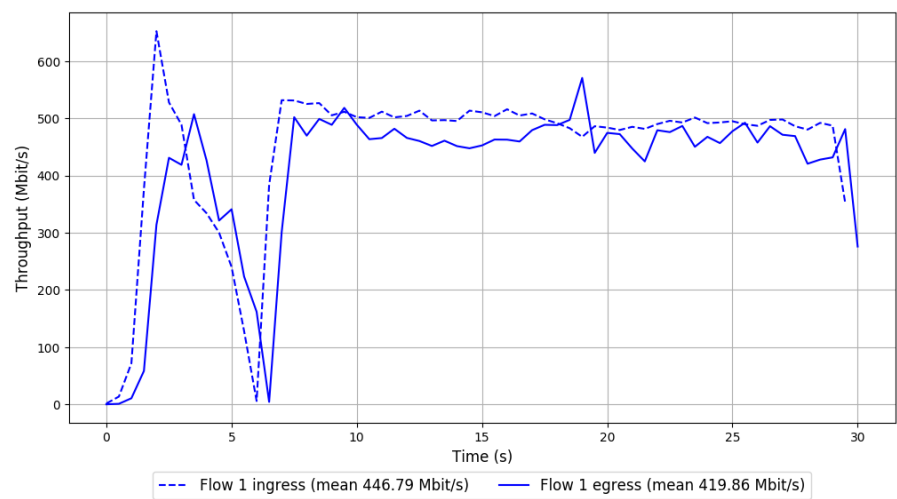


Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 04:49:19
End at: 2019-05-30 04:49:49
Local clock offset: -0.049 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-05-30 08:19:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 419.86 Mbit/s
95th percentile per-packet one-way delay: 185.500 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 419.86 Mbit/s
95th percentile per-packet one-way delay: 185.500 ms
Loss rate: 6.43%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 05:20:04

End at: 2019-05-30 05:20:34

Local clock offset: -0.11 ms

Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-05-30 08:19:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.16 Mbit/s

95th percentile per-packet one-way delay: 103.114 ms

Loss rate: 0.72%

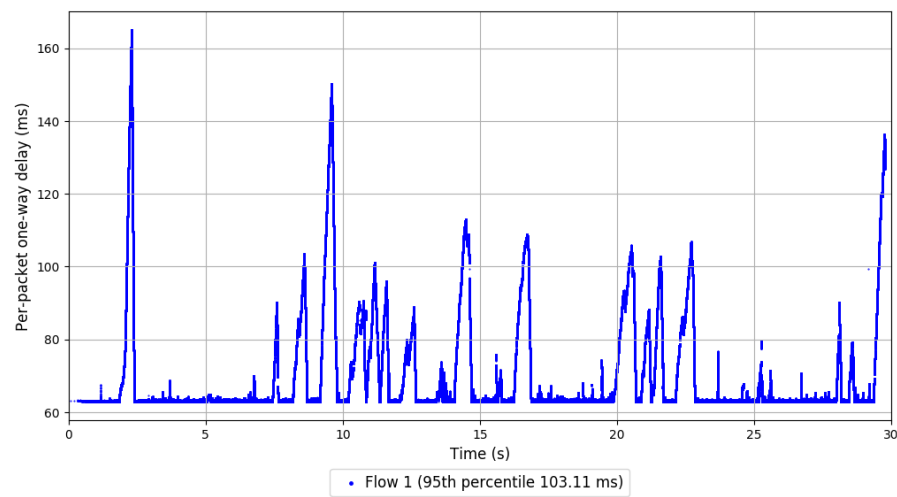
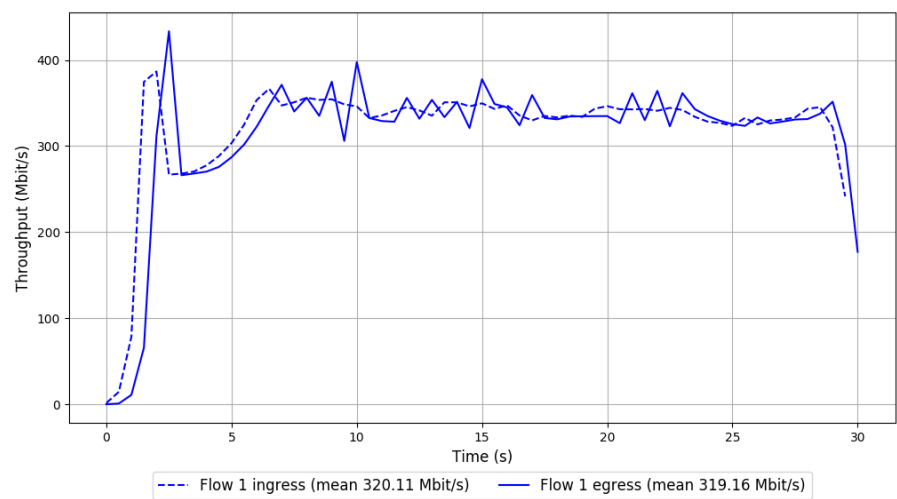
-- Flow 1:

Average throughput: 319.16 Mbit/s

95th percentile per-packet one-way delay: 103.114 ms

Loss rate: 0.72%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 05:50:35

End at: 2019-05-30 05:51:05

Local clock offset: -0.093 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2019-05-30 08:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.34 Mbit/s

95th percentile per-packet one-way delay: 106.203 ms

Loss rate: 0.65%

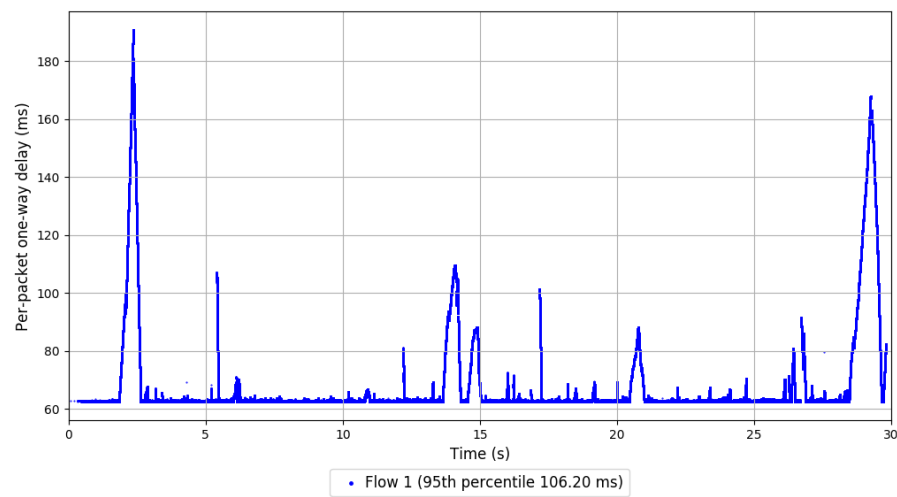
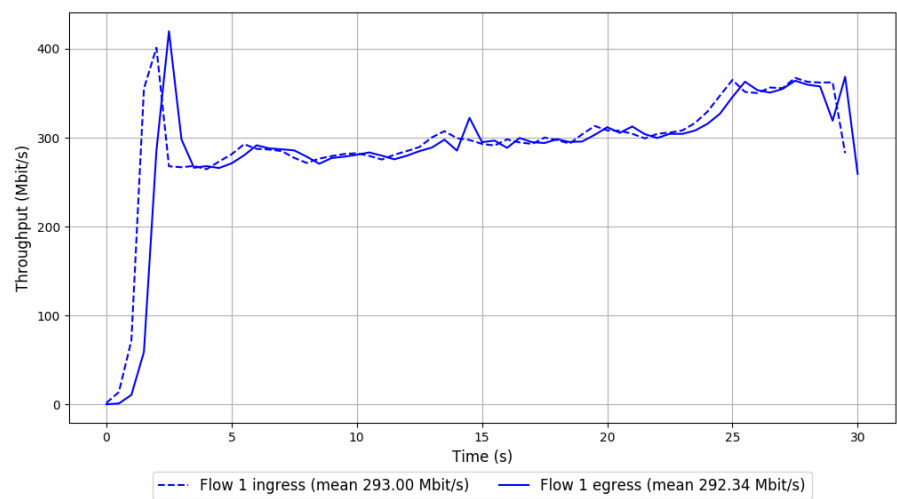
-- Flow 1:

Average throughput: 292.34 Mbit/s

95th percentile per-packet one-way delay: 106.203 ms

Loss rate: 0.65%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 06:21:05

End at: 2019-05-30 06:21:35

Local clock offset: -0.017 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2019-05-30 08:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.47 Mbit/s

95th percentile per-packet one-way delay: 85.346 ms

Loss rate: 0.65%

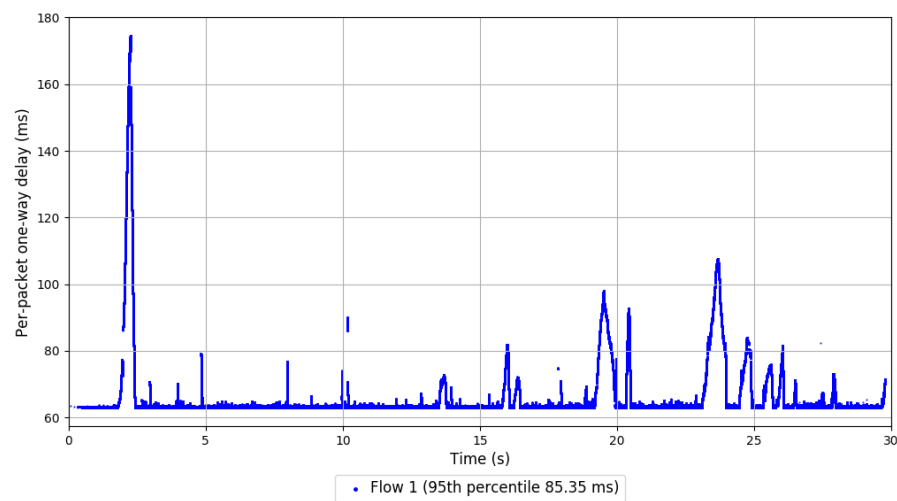
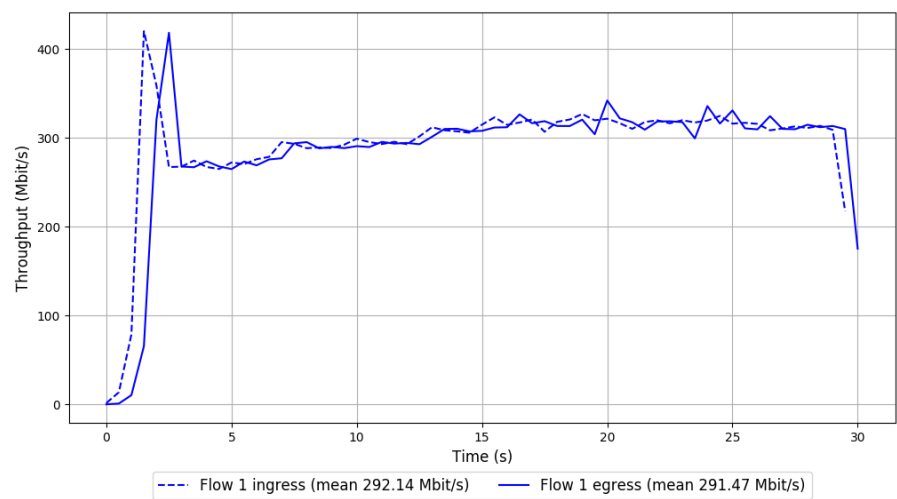
-- Flow 1:

Average throughput: 291.47 Mbit/s

95th percentile per-packet one-way delay: 85.346 ms

Loss rate: 0.65%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 04:17:45
End at: 2019-05-30 04:18:15
Local clock offset: -0.12 ms
Remote clock offset: -0.759 ms

Below is generated by plot.py at 2019-05-30 08:21:50

Datalink statistics

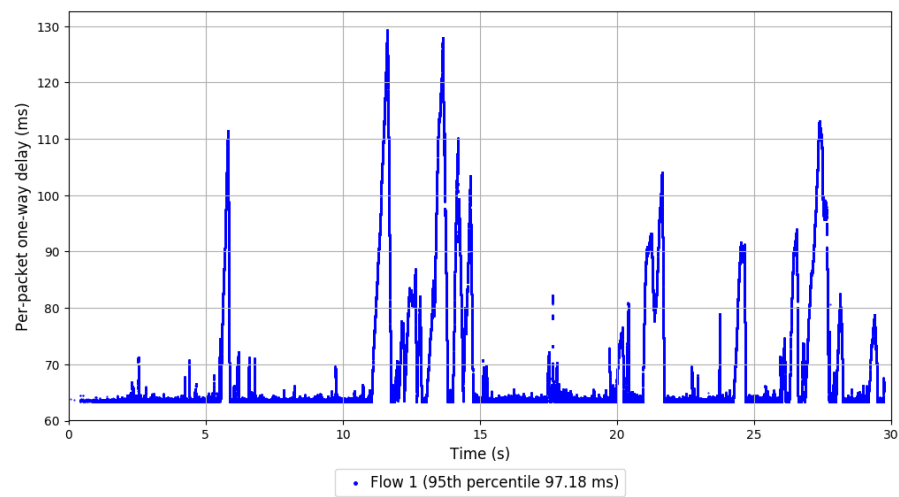
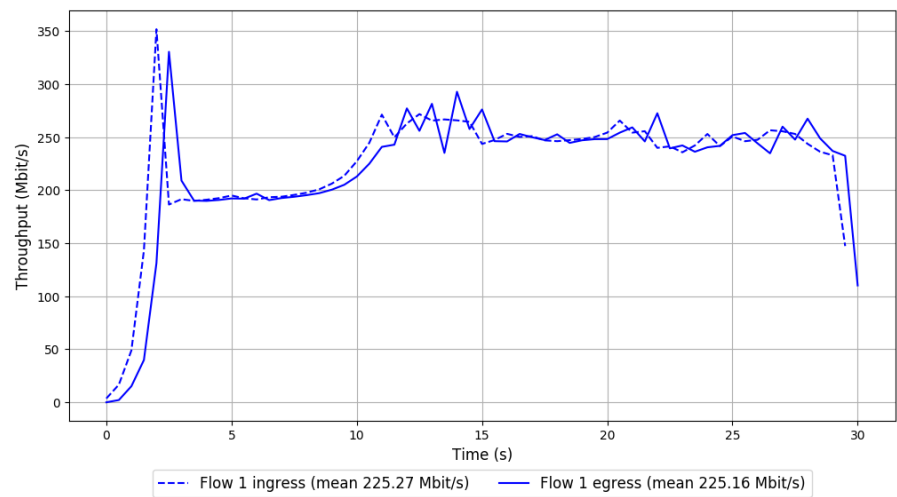
-- Total of 1 flow:

Average throughput: 225.16 Mbit/s
95th percentile per-packet one-way delay: 97.181 ms
Loss rate: 0.49%

-- Flow 1:

Average throughput: 225.16 Mbit/s
95th percentile per-packet one-way delay: 97.181 ms
Loss rate: 0.49%

Run 1: Report of PCC-Expr — Data Link

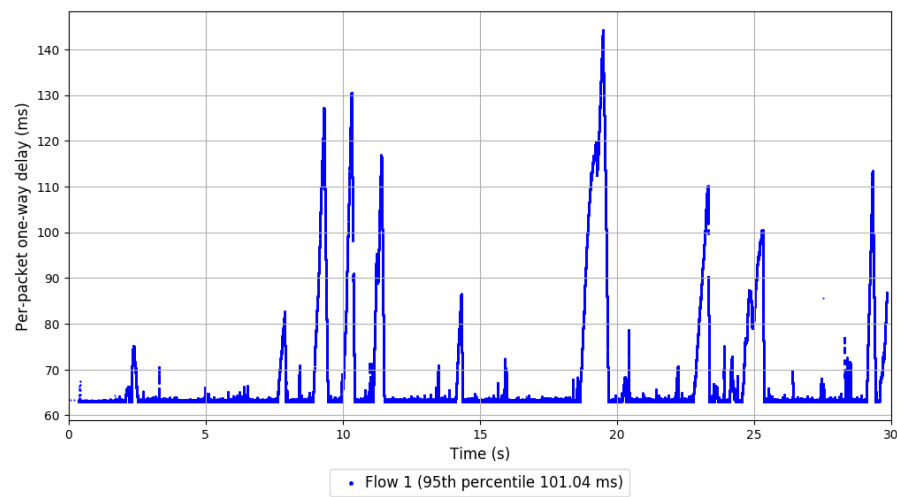
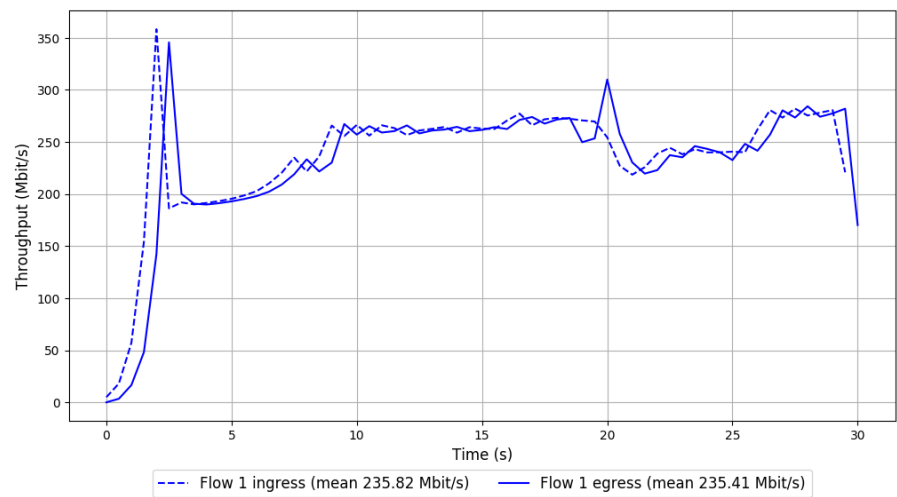


Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 04:47:49
End at: 2019-05-30 04:48:19
Local clock offset: -0.019 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2019-05-30 08:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.41 Mbit/s
95th percentile per-packet one-way delay: 101.044 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 235.41 Mbit/s
95th percentile per-packet one-way delay: 101.044 ms
Loss rate: 0.60%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 05:18:31

End at: 2019-05-30 05:19:01

Local clock offset: -0.067 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-05-30 08:22:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.60 Mbit/s

95th percentile per-packet one-way delay: 152.795 ms

Loss rate: 0.84%

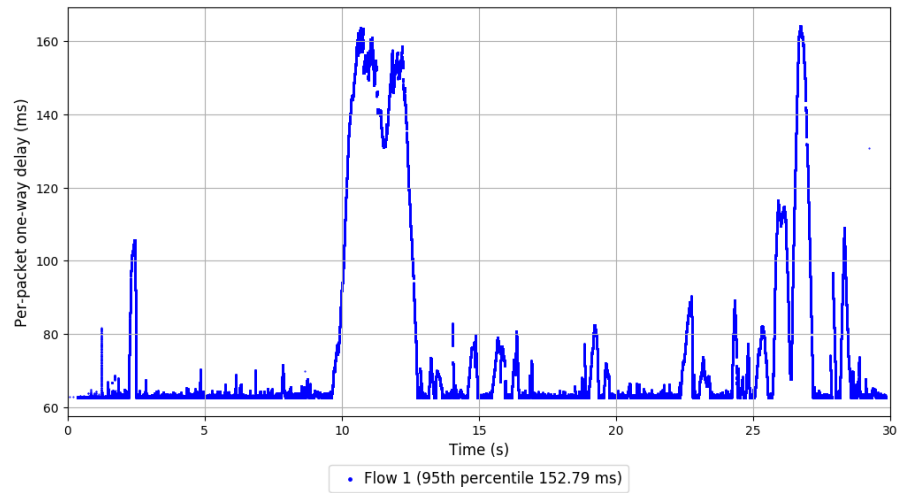
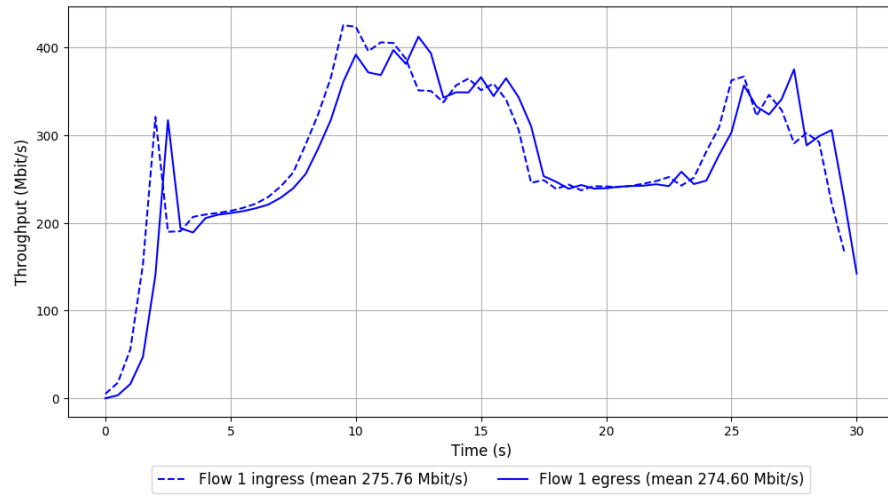
-- Flow 1:

Average throughput: 274.60 Mbit/s

95th percentile per-packet one-way delay: 152.795 ms

Loss rate: 0.84%

Run 3: Report of PCC-Expr — Data Link

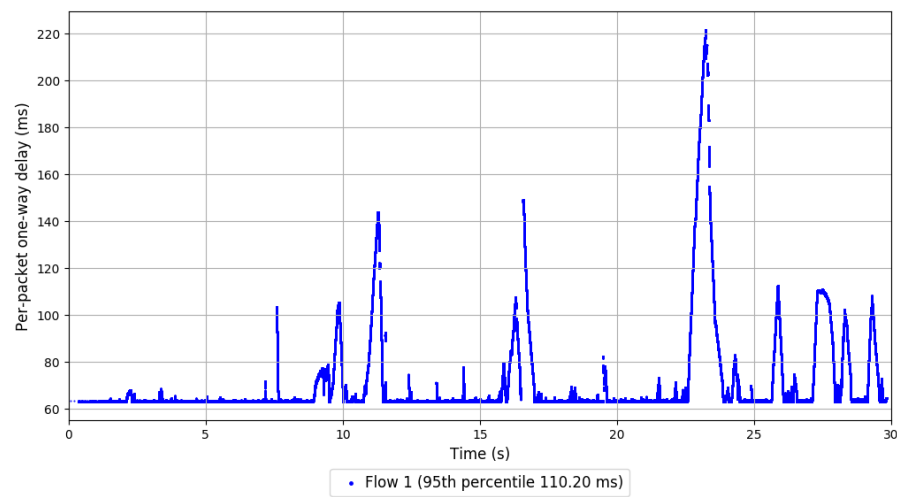
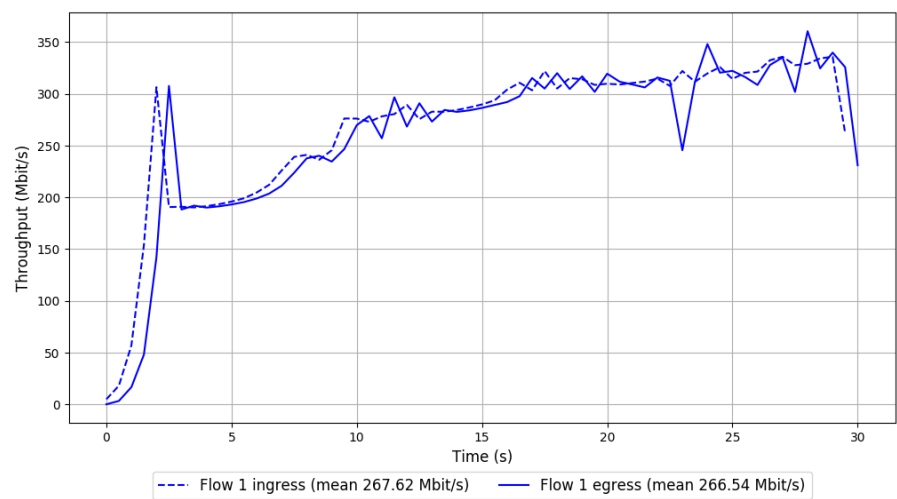


Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 05:49:03
End at: 2019-05-30 05:49:33
Local clock offset: -0.082 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2019-05-30 08:22:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.54 Mbit/s
95th percentile per-packet one-way delay: 110.203 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 266.54 Mbit/s
95th percentile per-packet one-way delay: 110.203 ms
Loss rate: 0.83%

Run 4: Report of PCC-Expr — Data Link

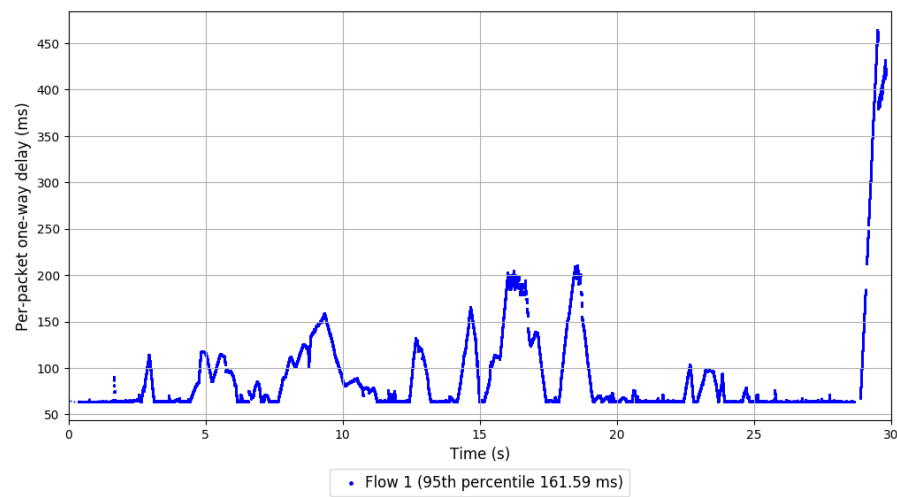
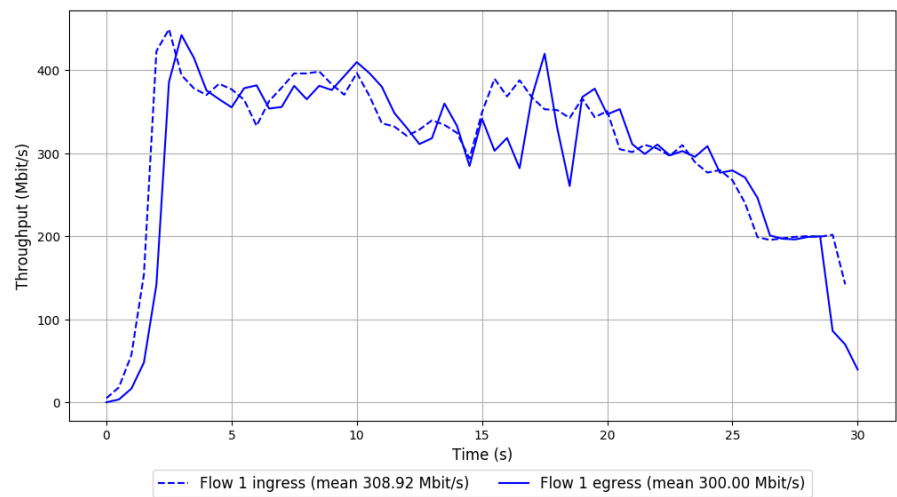


Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 06:19:08
End at: 2019-05-30 06:19:38
Local clock offset: -0.032 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2019-05-30 08:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.00 Mbit/s
95th percentile per-packet one-way delay: 161.589 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 300.00 Mbit/s
95th percentile per-packet one-way delay: 161.589 ms
Loss rate: 3.32%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

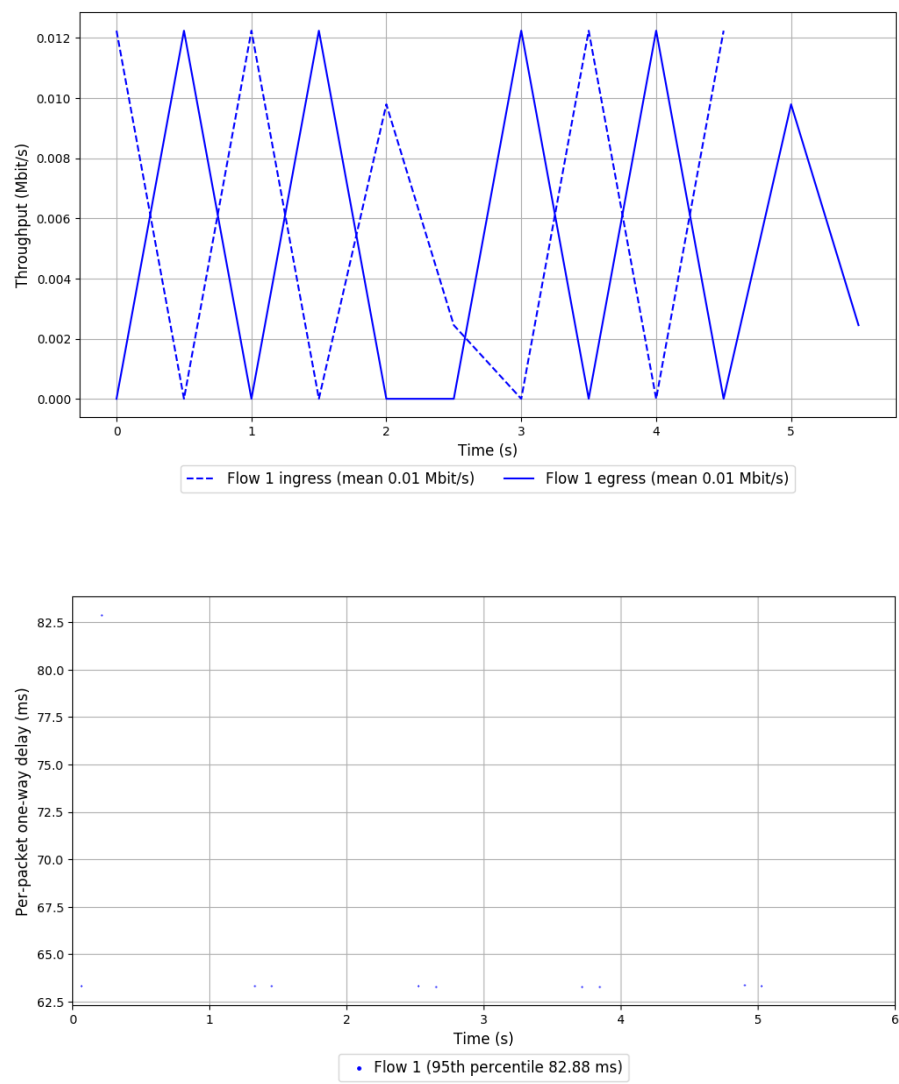
Start at: 2019-05-30 04:45:14

End at: 2019-05-30 04:45:44

Local clock offset: -0.021 ms

Remote clock offset: -0.109 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 05:15:53

End at: 2019-05-30 05:16:23

Local clock offset: -0.105 ms

Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-05-30 08:25:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 63.293 ms

Loss rate: 0.71%

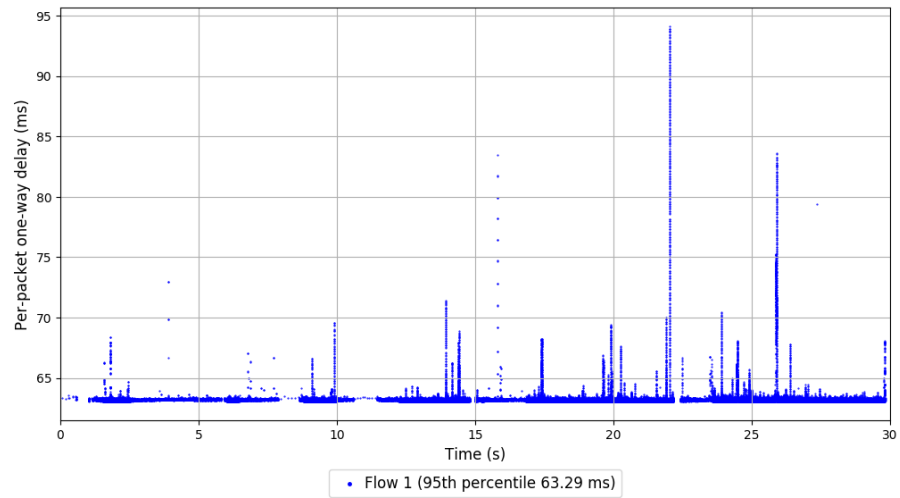
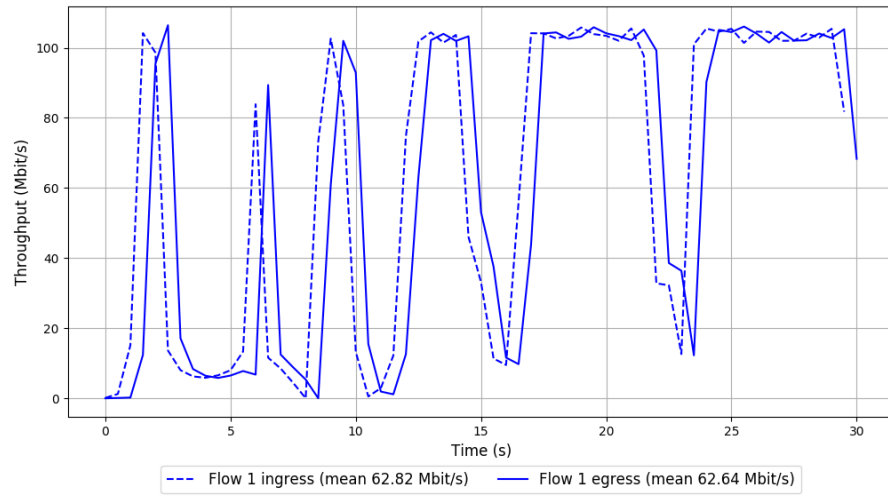
-- Flow 1:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 63.293 ms

Loss rate: 0.71%

Run 2: Report of QUIC Cubic — Data Link

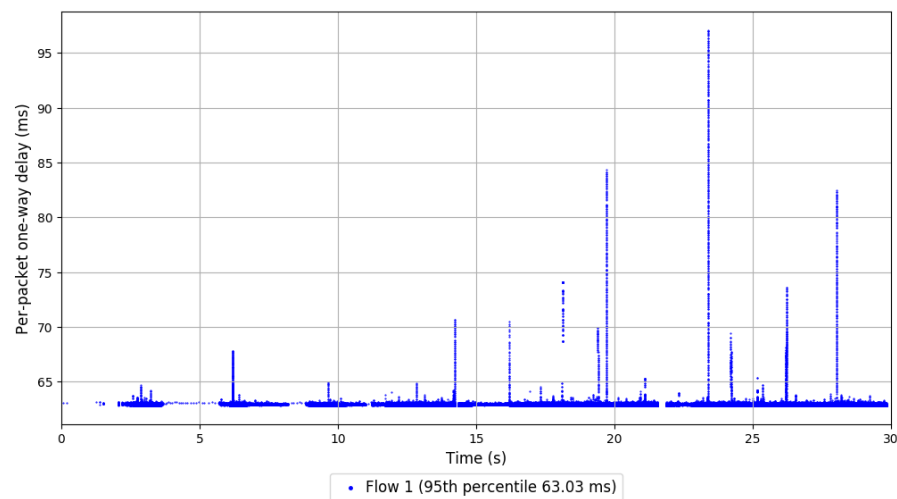
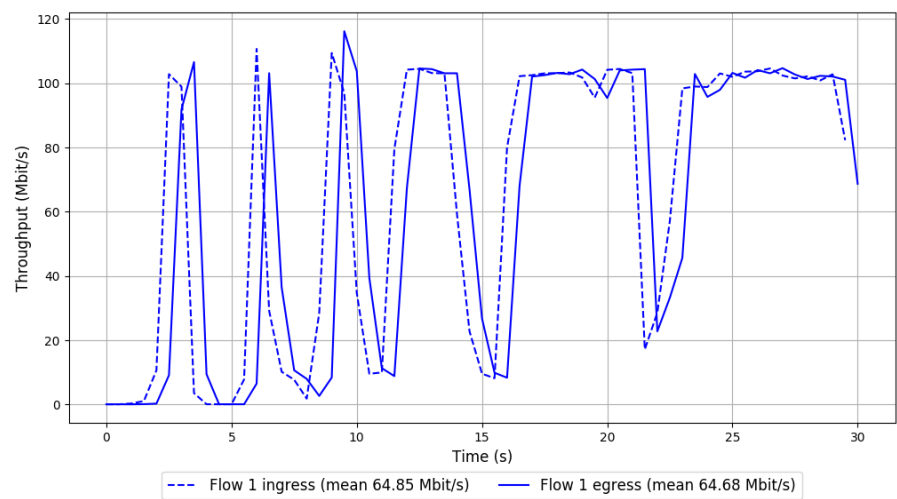


Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 05:46:21
End at: 2019-05-30 05:46:51
Local clock offset: -0.084 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-05-30 08:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 63.033 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 63.033 ms
Loss rate: 0.69%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 06:16:34

End at: 2019-05-30 06:17:04

Local clock offset: -0.055 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-05-30 08:25:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 63.118 ms

Loss rate: 0.06%

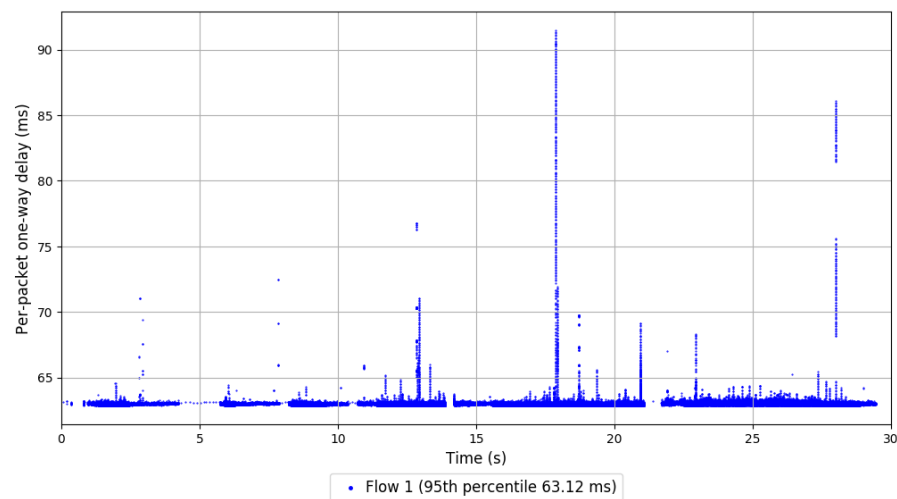
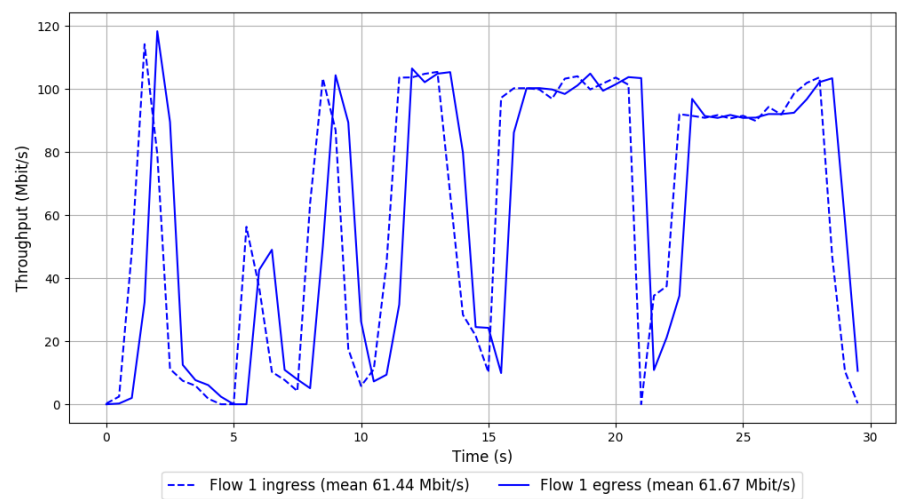
-- Flow 1:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 63.118 ms

Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 06:47:11

End at: 2019-05-30 06:47:41

Local clock offset: -0.022 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-05-30 08:25:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.50 Mbit/s

95th percentile per-packet one-way delay: 61.234 ms

Loss rate: 0.66%

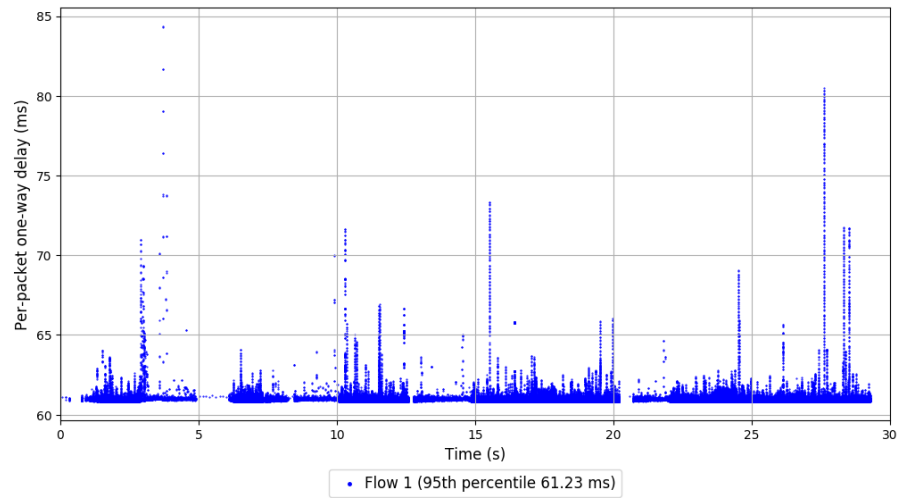
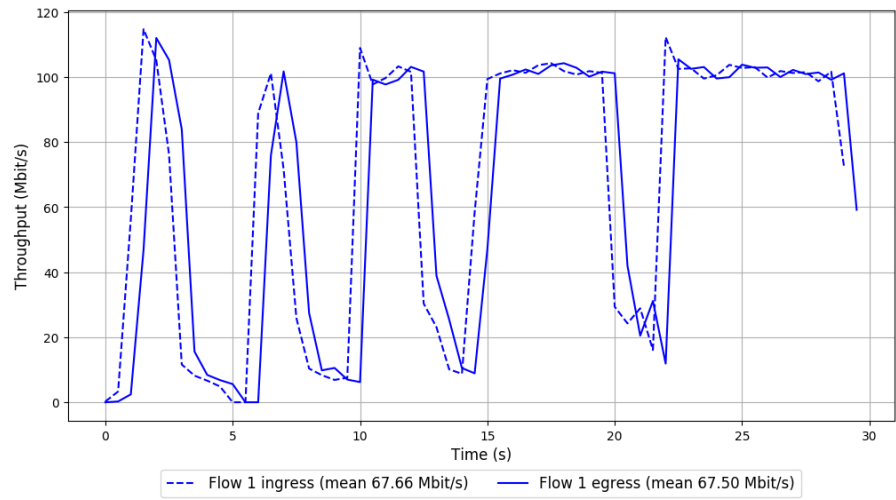
-- Flow 1:

Average throughput: 67.50 Mbit/s

95th percentile per-packet one-way delay: 61.234 ms

Loss rate: 0.66%

Run 5: Report of QUIC Cubic — Data Link

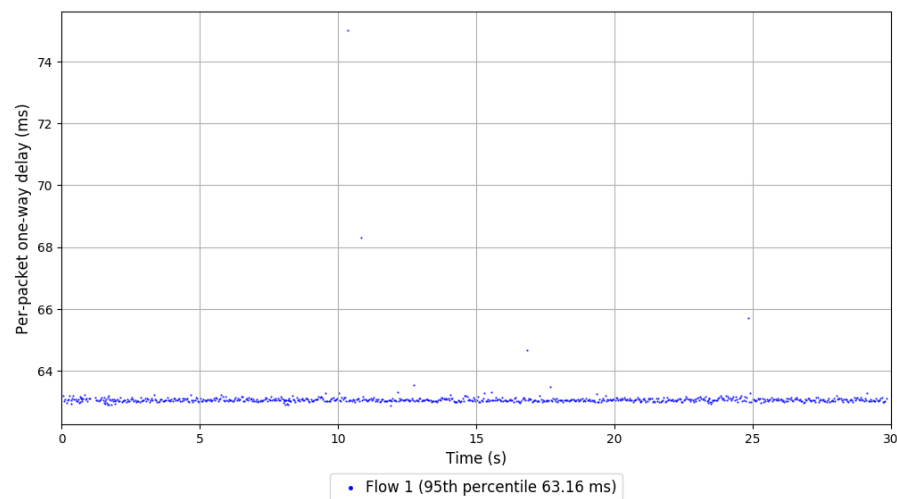
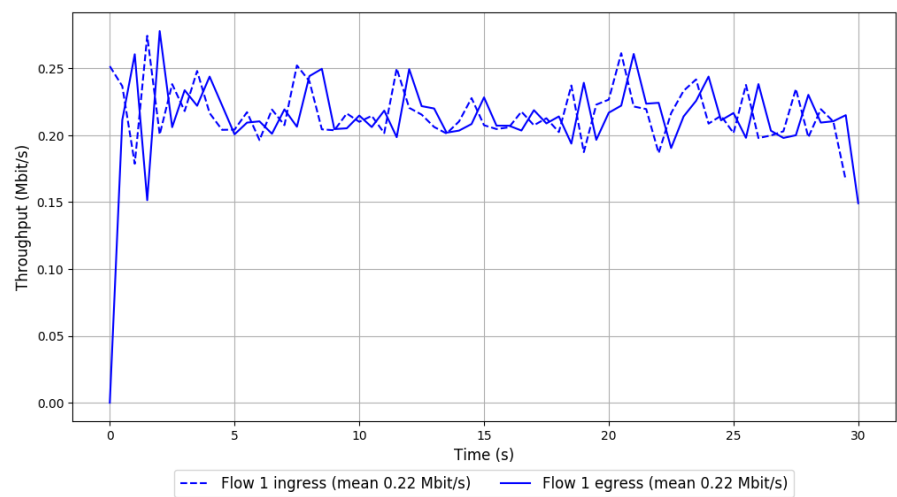


Run 1: Statistics of SCReAM

Start at: 2019-05-30 04:27:00
End at: 2019-05-30 04:27:30
Local clock offset: -0.066 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-05-30 08:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.162 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.162 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

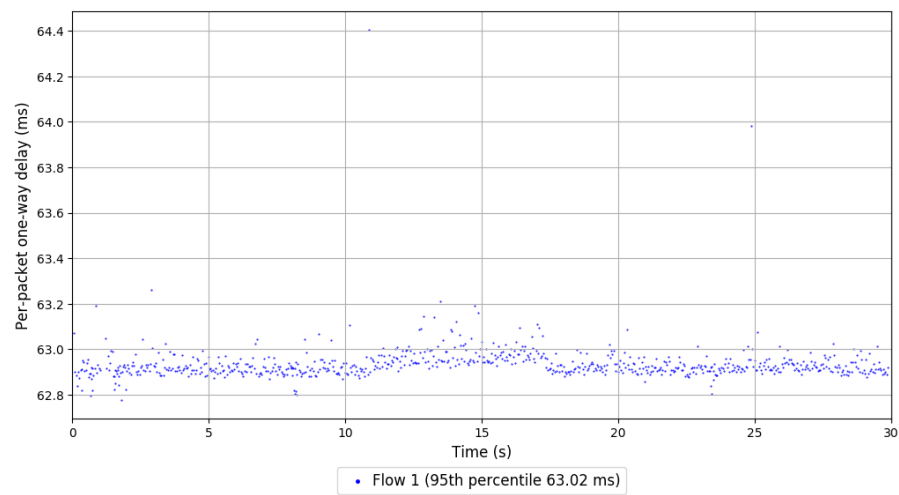
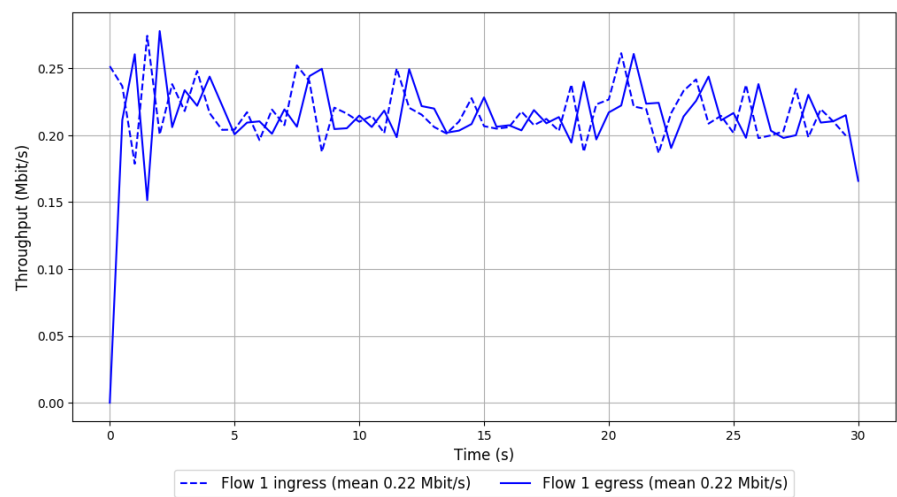


Run 2: Statistics of SCReAM

Start at: 2019-05-30 04:57:27
End at: 2019-05-30 04:57:57
Local clock offset: -0.076 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-05-30 08:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.023 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.023 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

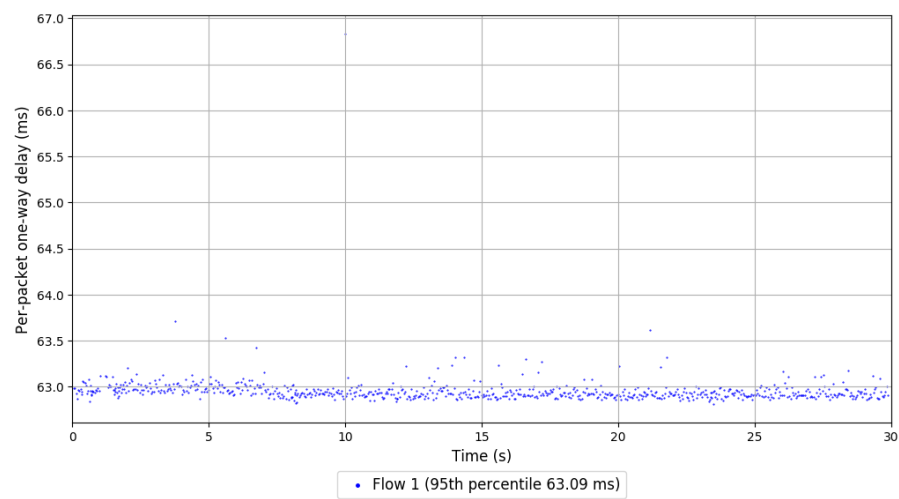
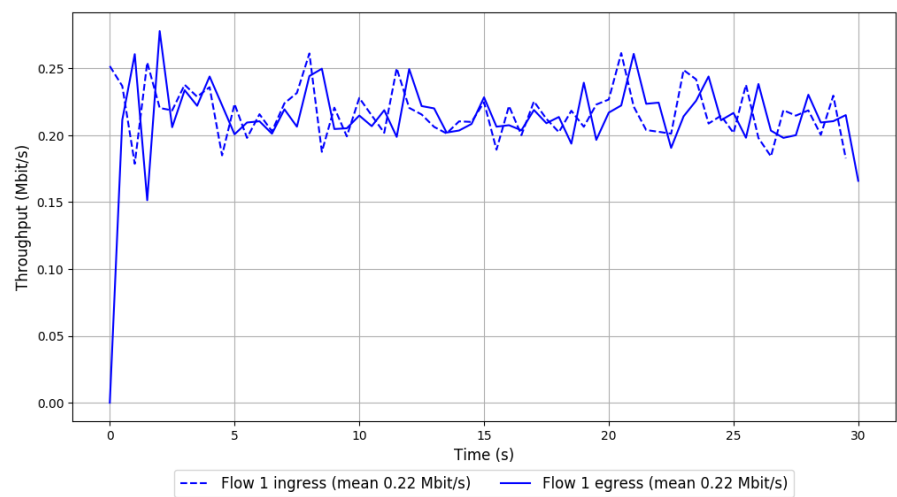


Run 3: Statistics of SCReAM

Start at: 2019-05-30 05:27:56
End at: 2019-05-30 05:28:26
Local clock offset: -0.096 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-05-30 08:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.085 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.085 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-05-30 05:58:26

End at: 2019-05-30 05:58:56

Local clock offset: -0.053 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-05-30 08:25:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.084 ms

Loss rate: 0.38%

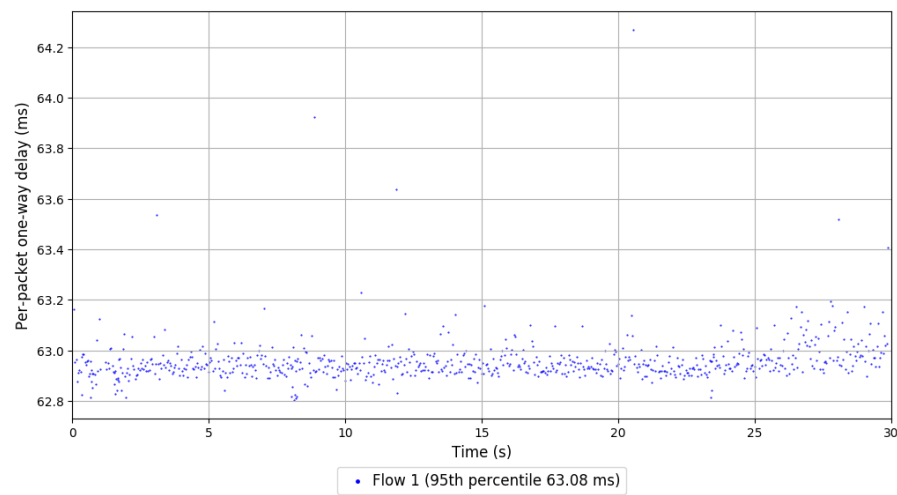
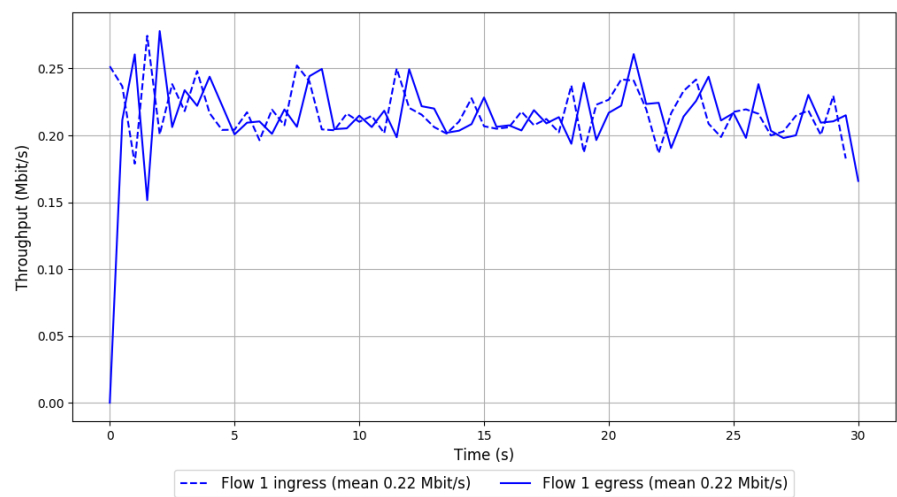
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.084 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

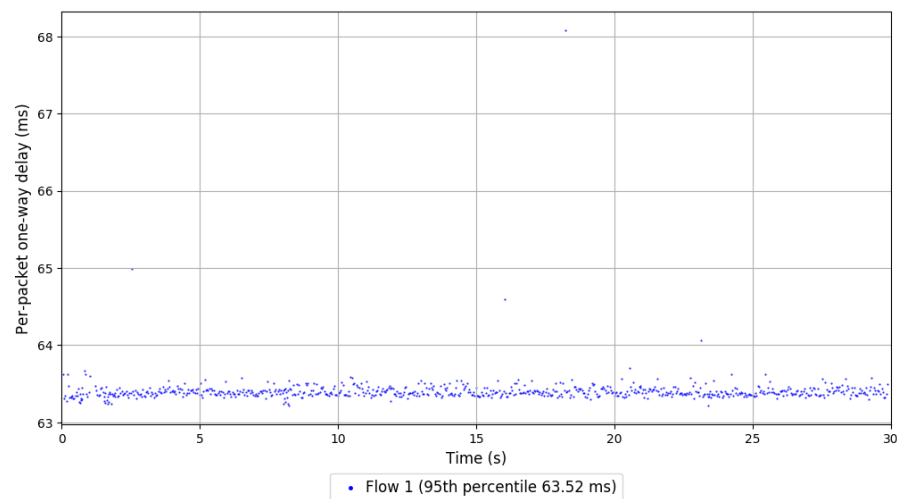
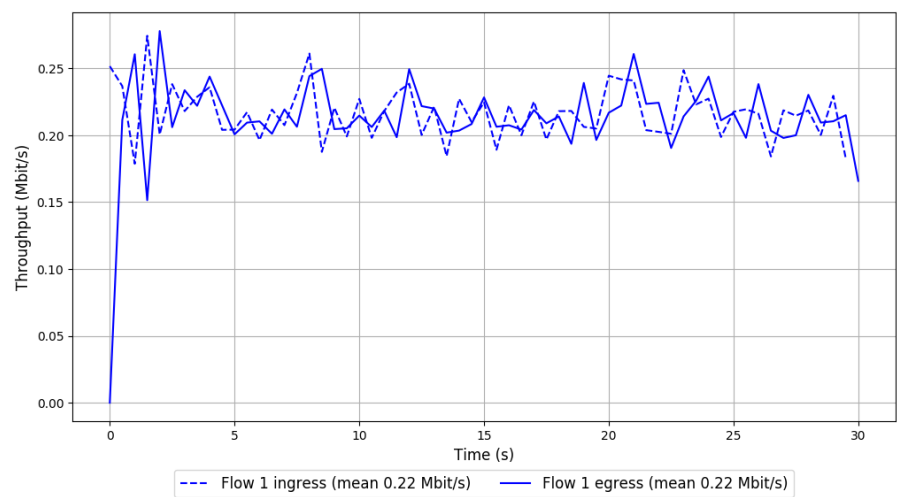


Run 5: Statistics of SCReAM

Start at: 2019-05-30 06:28:57
End at: 2019-05-30 06:29:27
Local clock offset: -0.027 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-05-30 08:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.520 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.520 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

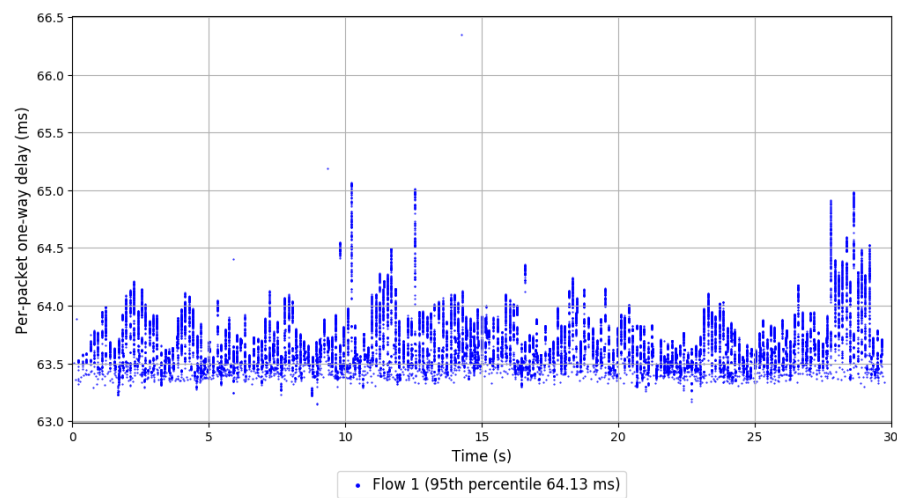
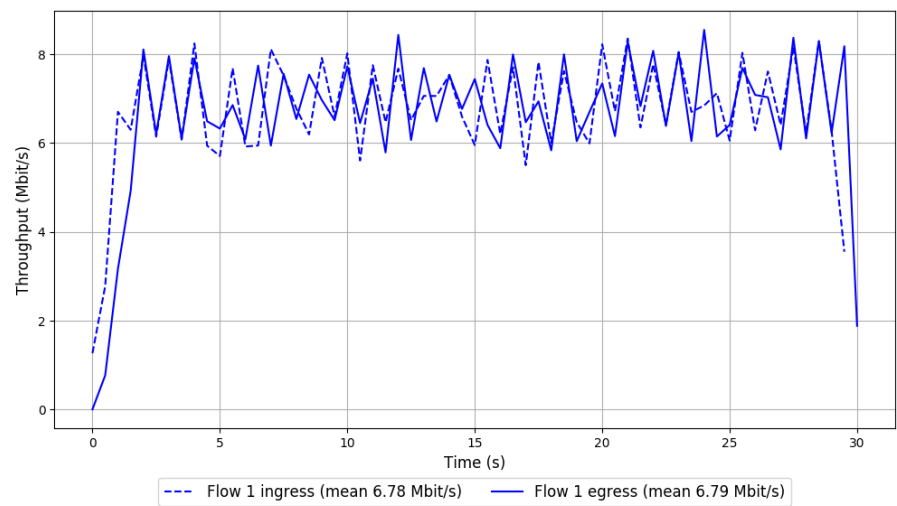


Run 1: Statistics of Sprout

Start at: 2019-05-30 04:44:05
End at: 2019-05-30 04:44:35
Local clock offset: -0.029 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2019-05-30 08:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 64.127 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 64.127 ms
Loss rate: 0.45%

Run 1: Report of Sprout — Data Link

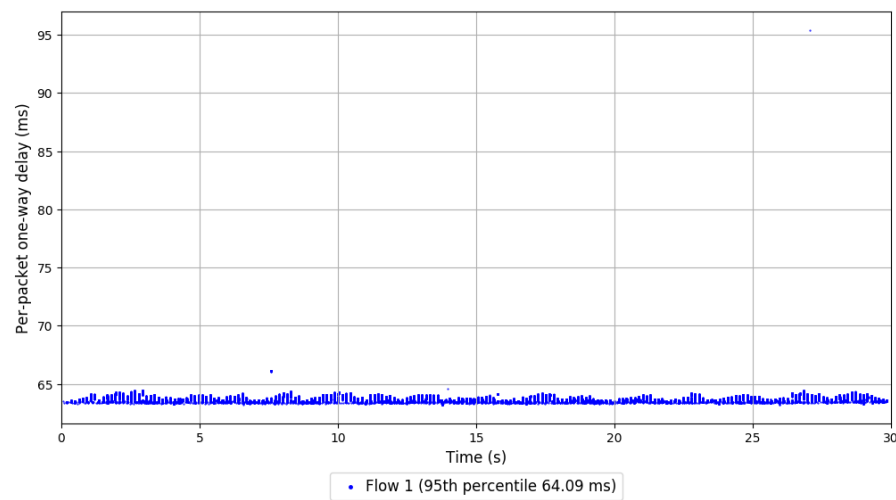
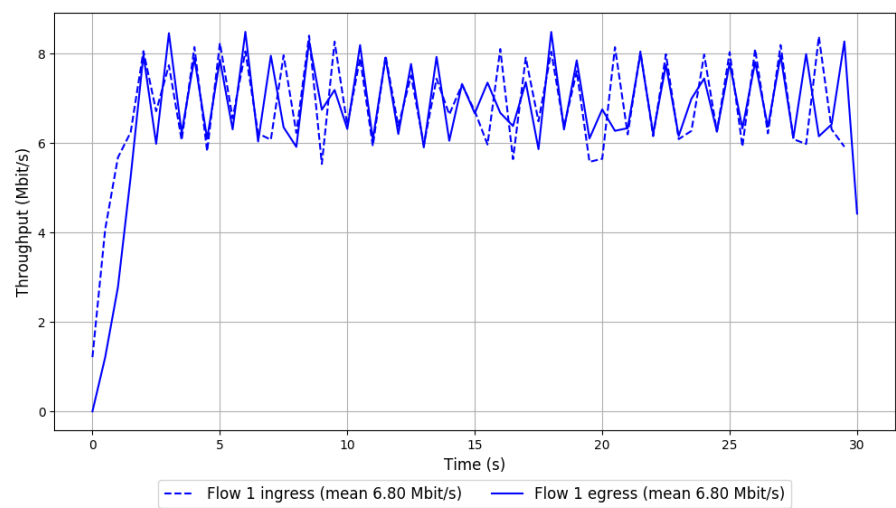


Run 2: Statistics of Sprout

Start at: 2019-05-30 05:14:44
End at: 2019-05-30 05:15:14
Local clock offset: -0.057 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2019-05-30 08:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 64.090 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 64.090 ms
Loss rate: 0.37%

Run 2: Report of Sprout — Data Link

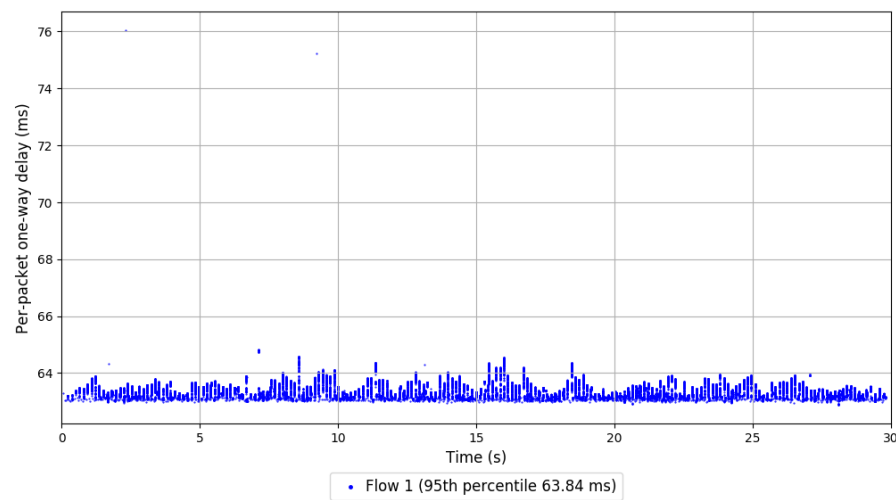
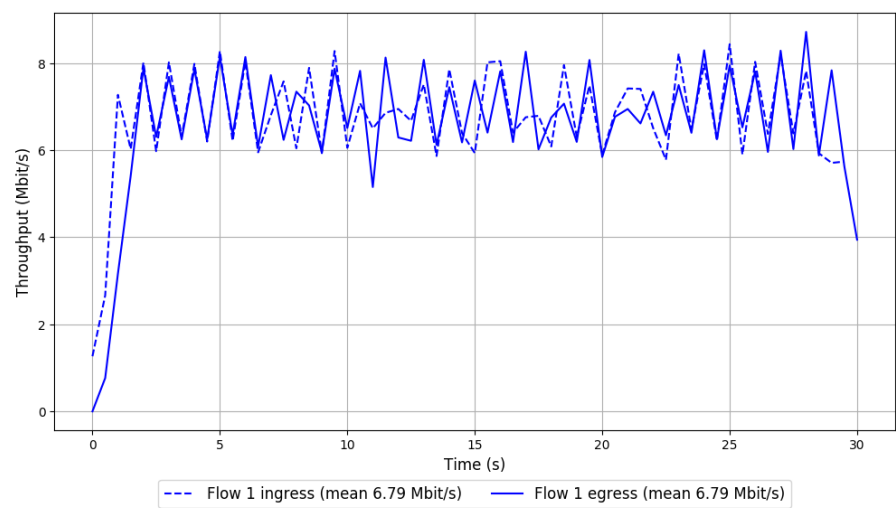


Run 3: Statistics of Sprout

Start at: 2019-05-30 05:45:13
End at: 2019-05-30 05:45:43
Local clock offset: -0.064 ms
Remote clock offset: 0.043 ms

Below is generated by plot.py at 2019-05-30 08:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 63.840 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 63.840 ms
Loss rate: 0.47%

Run 3: Report of Sprout — Data Link

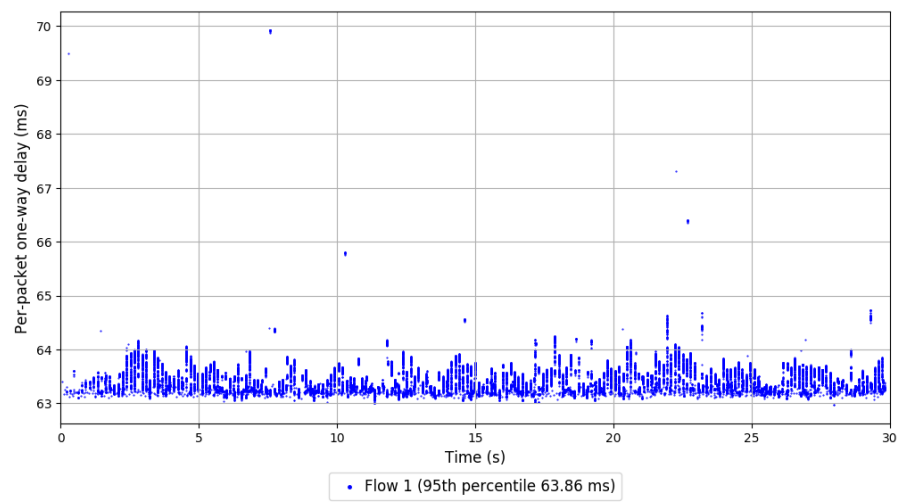
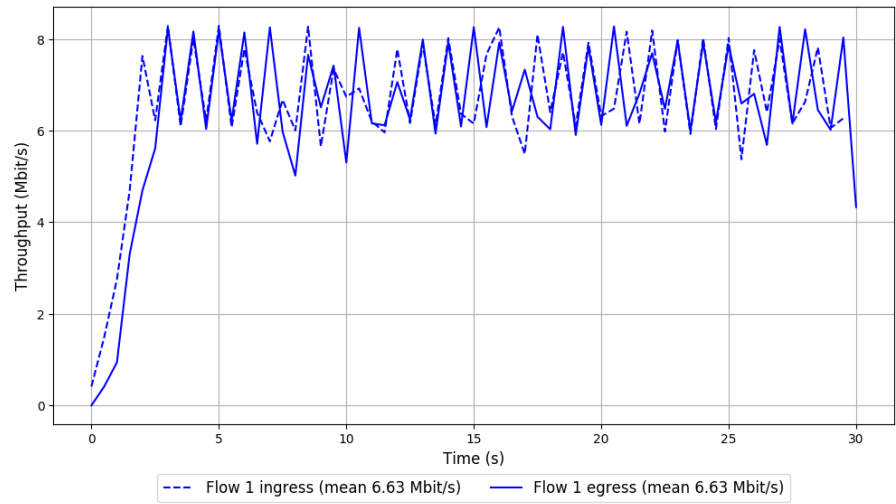


Run 4: Statistics of Sprout

Start at: 2019-05-30 06:15:25
End at: 2019-05-30 06:15:55
Local clock offset: -0.053 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-05-30 08:25:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 63.858 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 63.858 ms
Loss rate: 0.49%

Run 4: Report of Sprout — Data Link

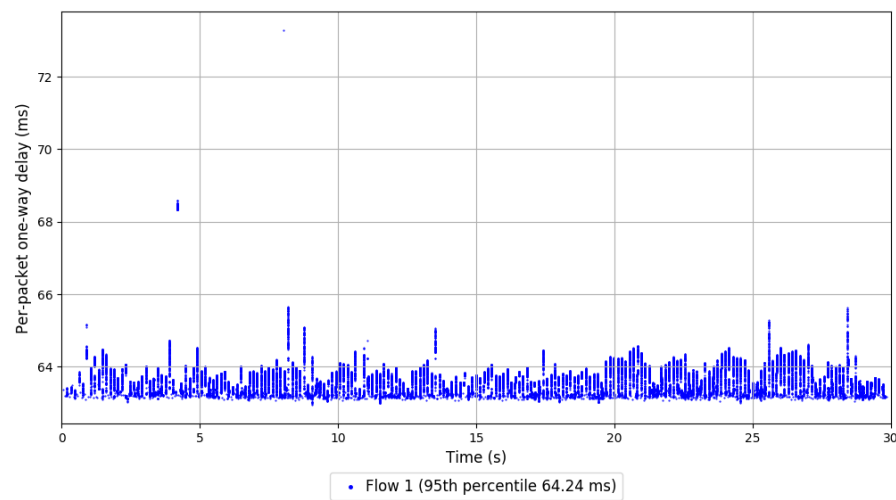
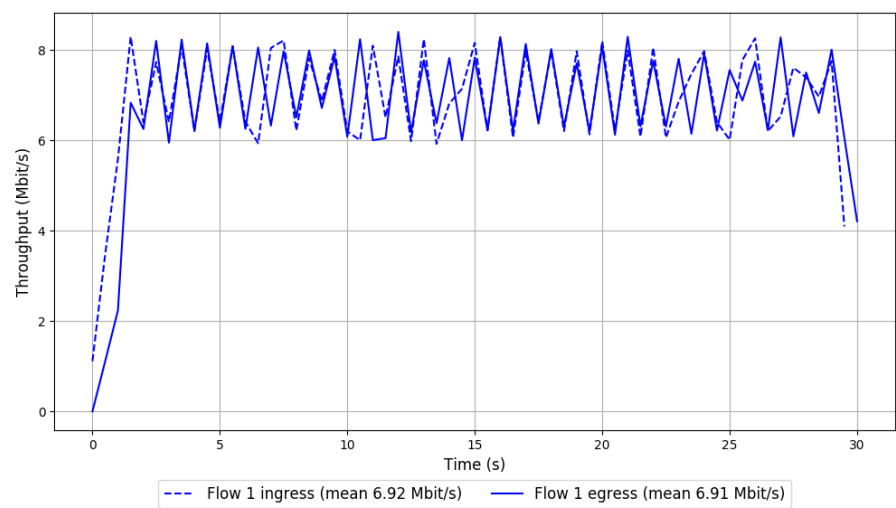


Run 5: Statistics of Sprout

Start at: 2019-05-30 06:46:01
End at: 2019-05-30 06:46:31
Local clock offset: -0.026 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2019-05-30 08:25:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 64.237 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 64.237 ms
Loss rate: 0.45%

Run 5: Report of Sprout — Data Link

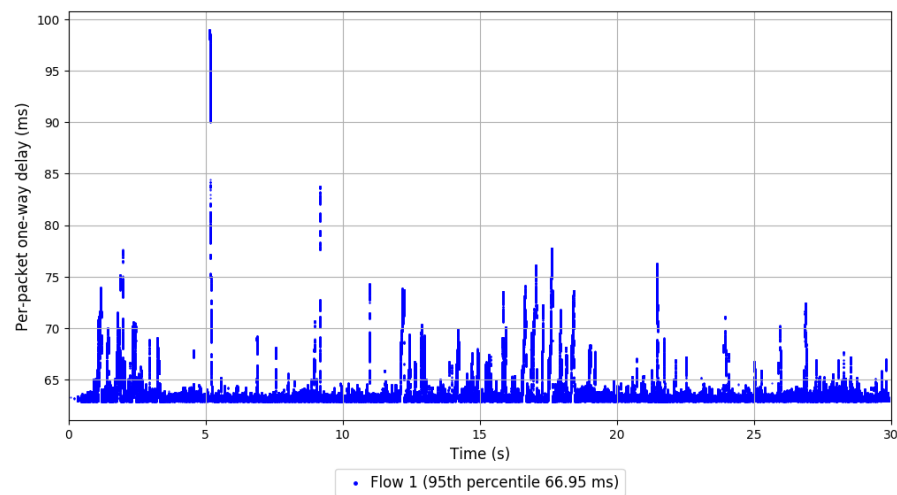
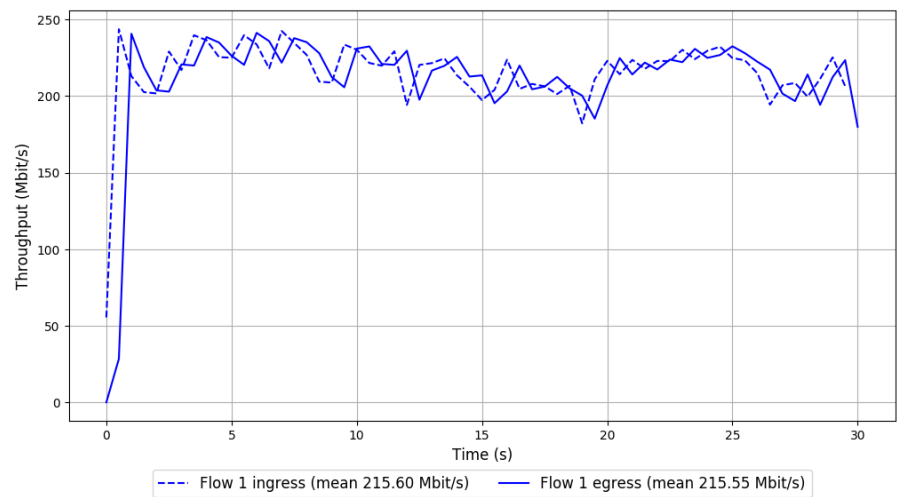


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 04:38:06
End at: 2019-05-30 04:38:36
Local clock offset: -0.075 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-05-30 08:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.55 Mbit/s
95th percentile per-packet one-way delay: 66.947 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 215.55 Mbit/s
95th percentile per-packet one-way delay: 66.947 ms
Loss rate: 0.45%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 05:08:45

End at: 2019-05-30 05:09:15

Local clock offset: -0.09 ms

Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-05-30 08:29:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 66.104 ms

Loss rate: 0.40%

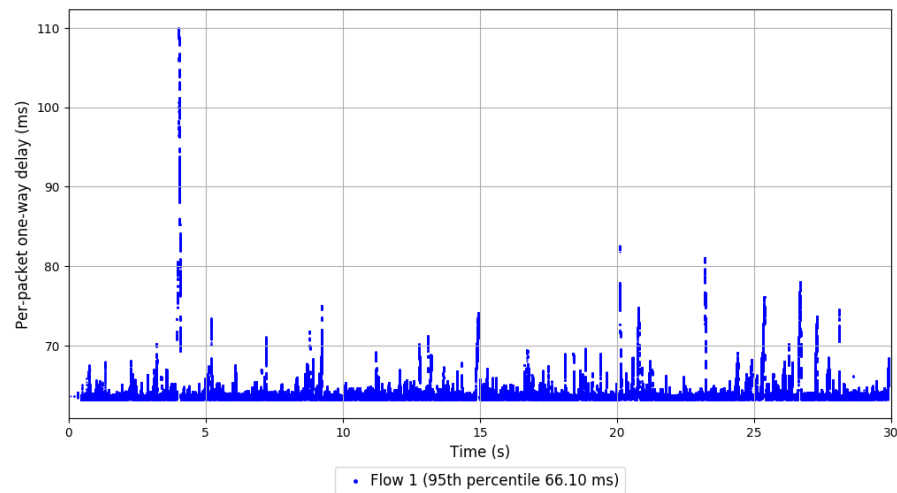
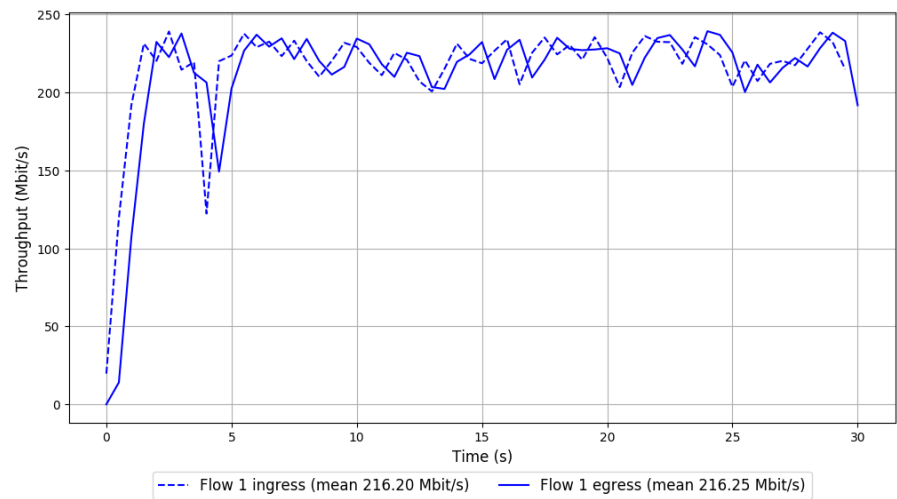
-- Flow 1:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 66.104 ms

Loss rate: 0.40%

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

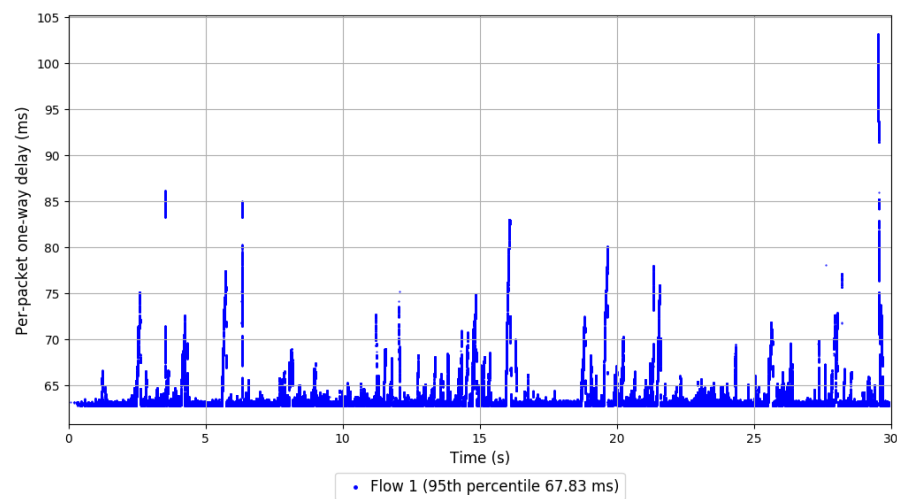
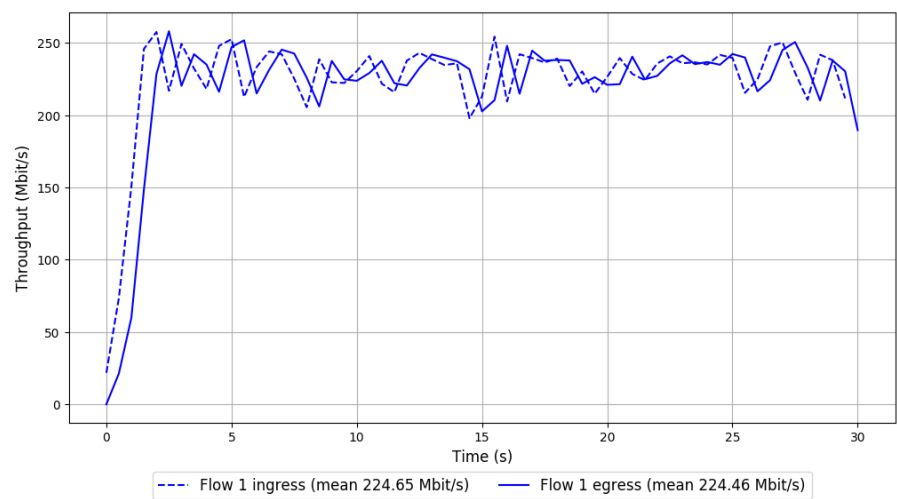


Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 05:39:11
End at: 2019-05-30 05:39:41
Local clock offset: -0.093 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2019-05-30 08:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.46 Mbit/s
95th percentile per-packet one-way delay: 67.827 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 224.46 Mbit/s
95th percentile per-packet one-way delay: 67.827 ms
Loss rate: 0.51%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 06:09:31

End at: 2019-05-30 06:10:01

Local clock offset: -0.045 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2019-05-30 08:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.16 Mbit/s

95th percentile per-packet one-way delay: 64.858 ms

Loss rate: 0.35%

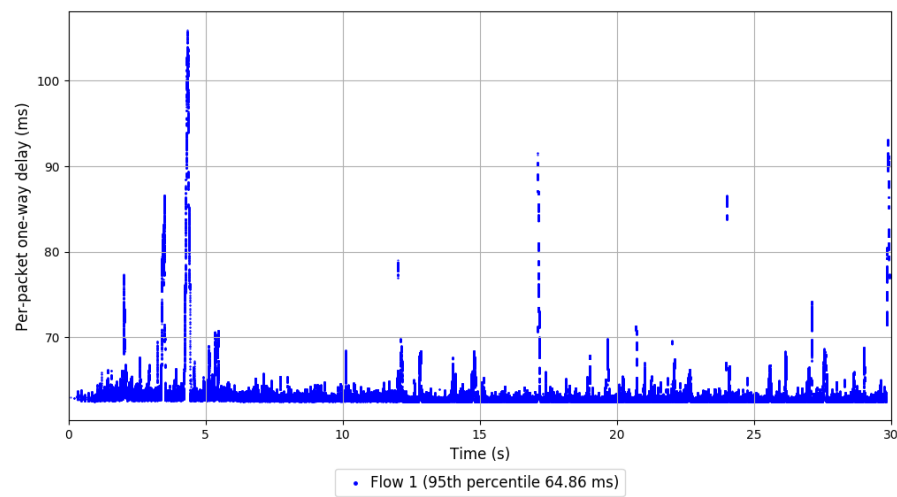
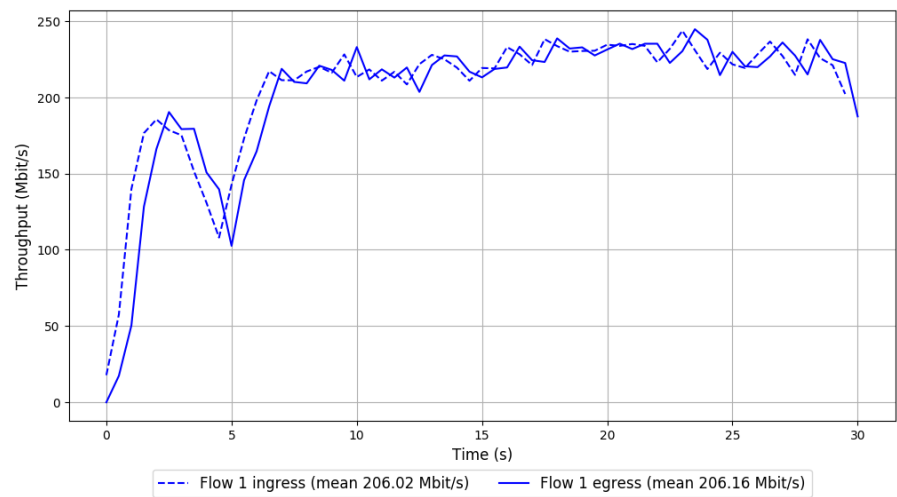
-- Flow 1:

Average throughput: 206.16 Mbit/s

95th percentile per-packet one-way delay: 64.858 ms

Loss rate: 0.35%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 06:40:08

End at: 2019-05-30 06:40:38

Local clock offset: -0.01 ms

Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-05-30 08:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.49 Mbit/s

95th percentile per-packet one-way delay: 69.556 ms

Loss rate: 0.53%

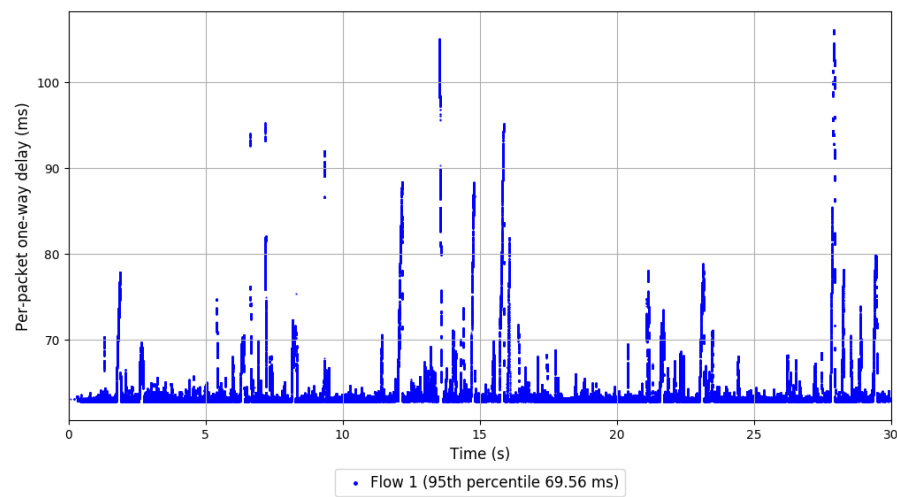
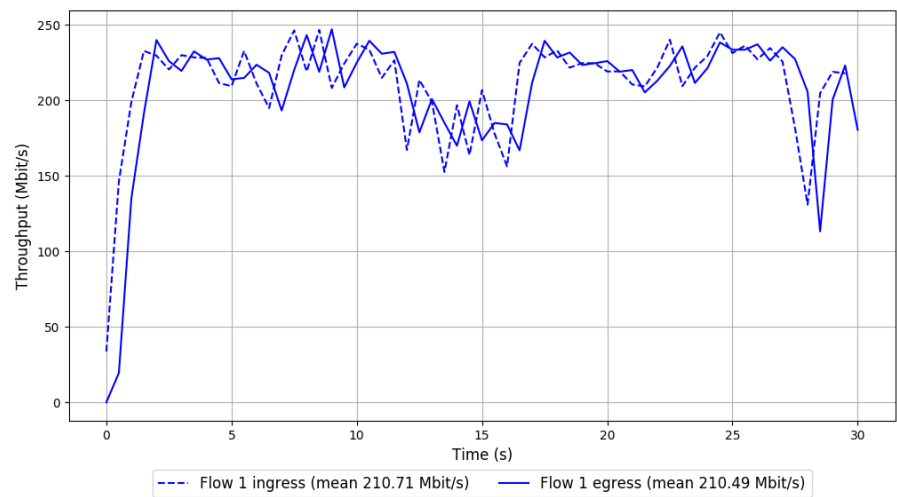
-- Flow 1:

Average throughput: 210.49 Mbit/s

95th percentile per-packet one-way delay: 69.556 ms

Loss rate: 0.53%

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

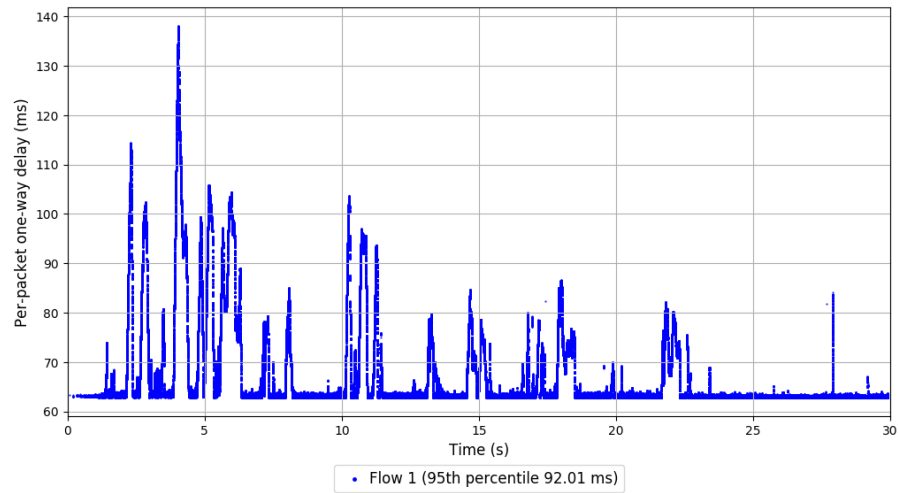
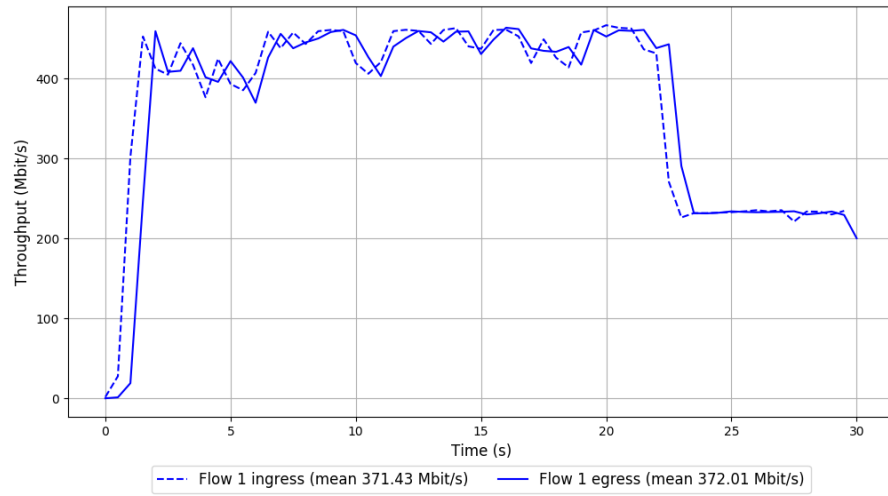


Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 04:46:22
End at: 2019-05-30 04:46:52
Local clock offset: -0.084 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2019-05-30 08:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.01 Mbit/s
95th percentile per-packet one-way delay: 92.013 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 372.01 Mbit/s
95th percentile per-packet one-way delay: 92.013 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link

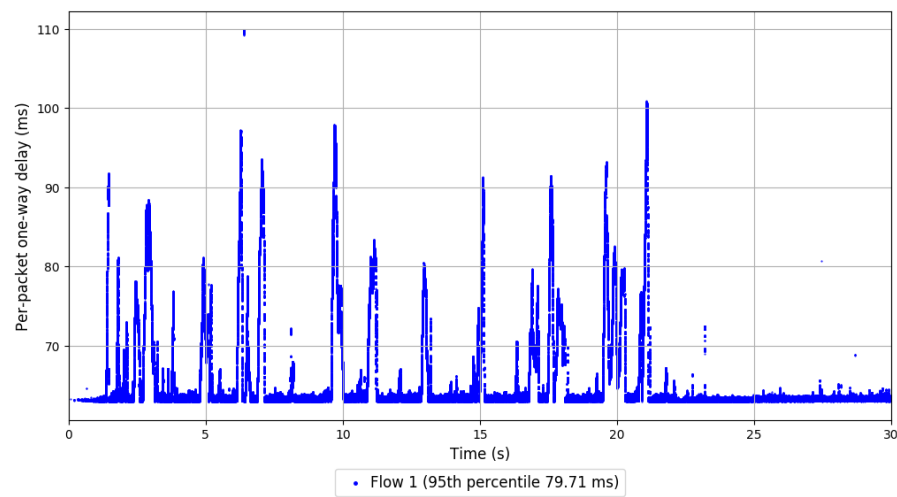
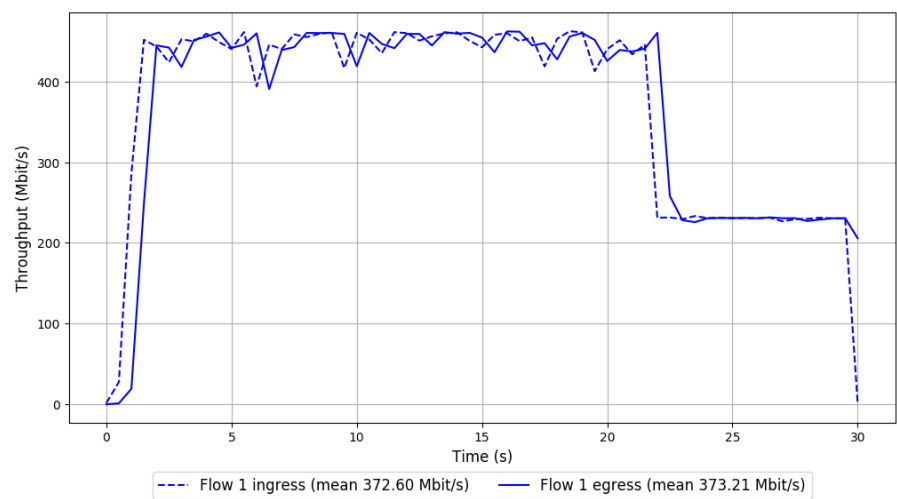


Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 05:17:05
End at: 2019-05-30 05:17:35
Local clock offset: -0.09 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-05-30 08:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.21 Mbit/s
95th percentile per-packet one-way delay: 79.708 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 373.21 Mbit/s
95th percentile per-packet one-way delay: 79.708 ms
Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link

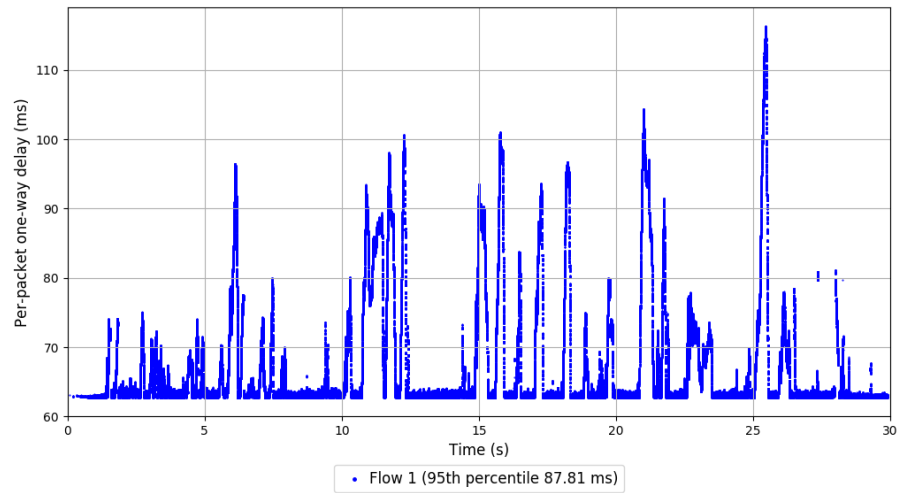
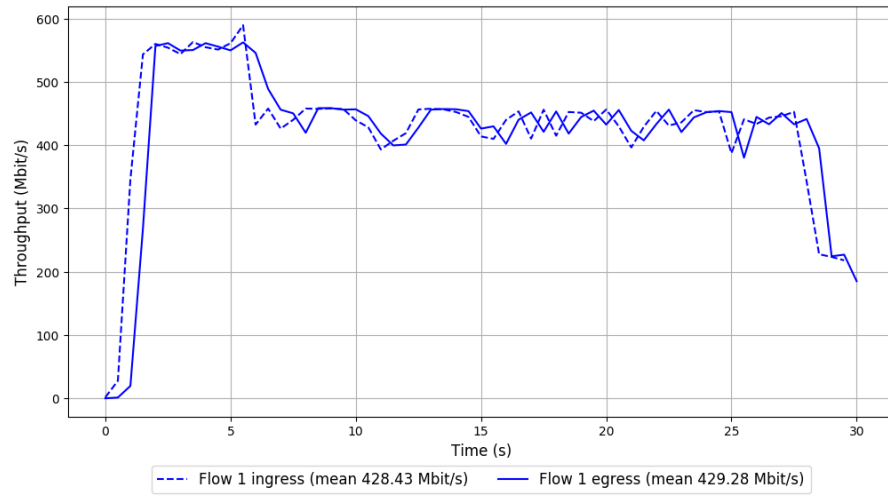


Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 05:47:33
End at: 2019-05-30 05:48:03
Local clock offset: -0.036 ms
Remote clock offset: 0.294 ms

Below is generated by plot.py at 2019-05-30 08:35:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.28 Mbit/s
95th percentile per-packet one-way delay: 87.805 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 429.28 Mbit/s
95th percentile per-packet one-way delay: 87.805 ms
Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 06:17:46

End at: 2019-05-30 06:18:16

Local clock offset: -0.029 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2019-05-30 08:35:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.76 Mbit/s

95th percentile per-packet one-way delay: 106.428 ms

Loss rate: 0.24%

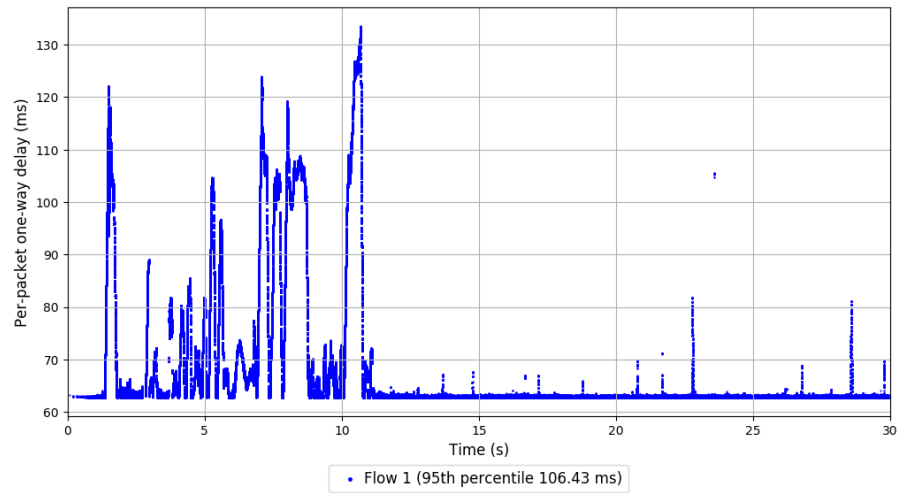
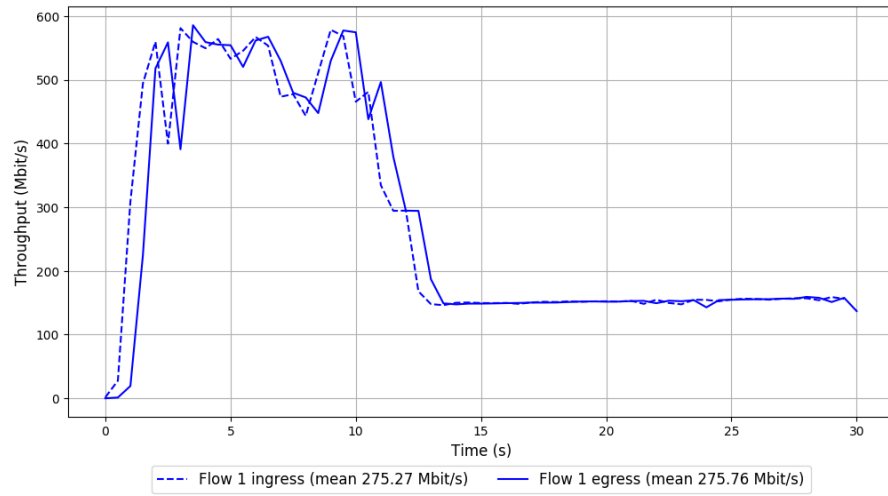
-- Flow 1:

Average throughput: 275.76 Mbit/s

95th percentile per-packet one-way delay: 106.428 ms

Loss rate: 0.24%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 06:48:22

End at: 2019-05-30 06:48:52

Local clock offset: -0.042 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-05-30 08:36:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.26 Mbit/s

95th percentile per-packet one-way delay: 92.519 ms

Loss rate: 0.31%

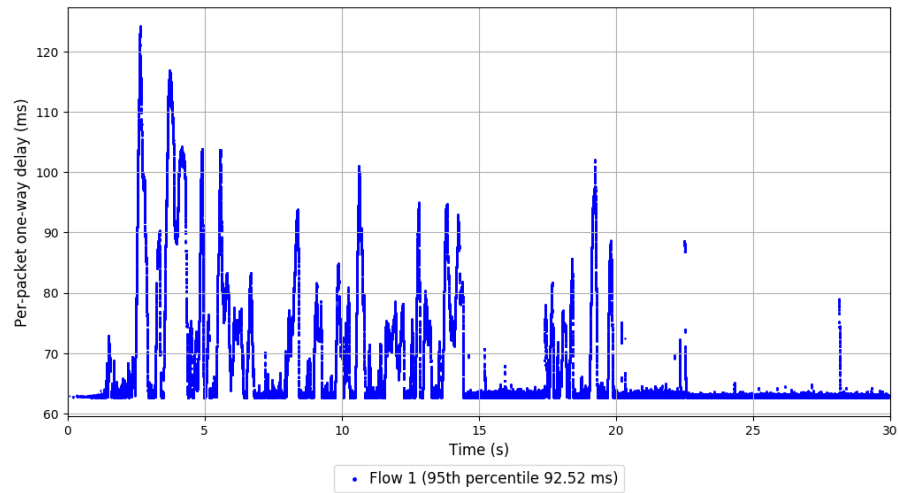
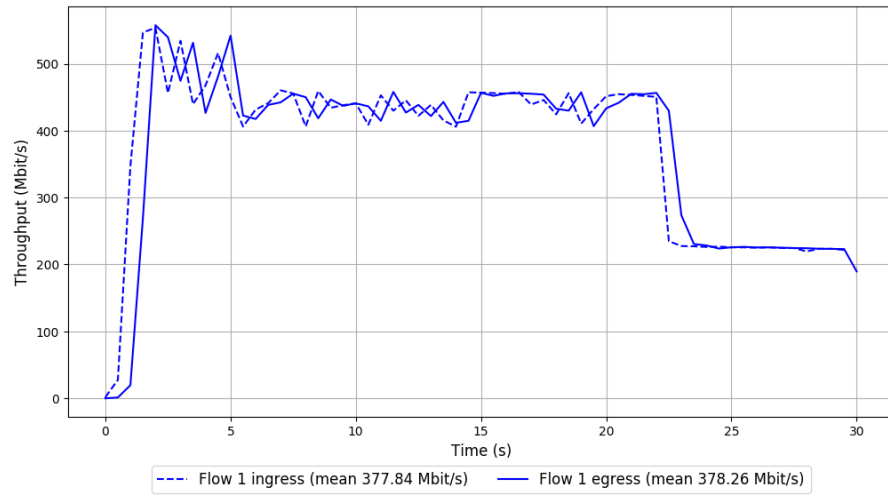
-- Flow 1:

Average throughput: 378.26 Mbit/s

95th percentile per-packet one-way delay: 92.519 ms

Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link

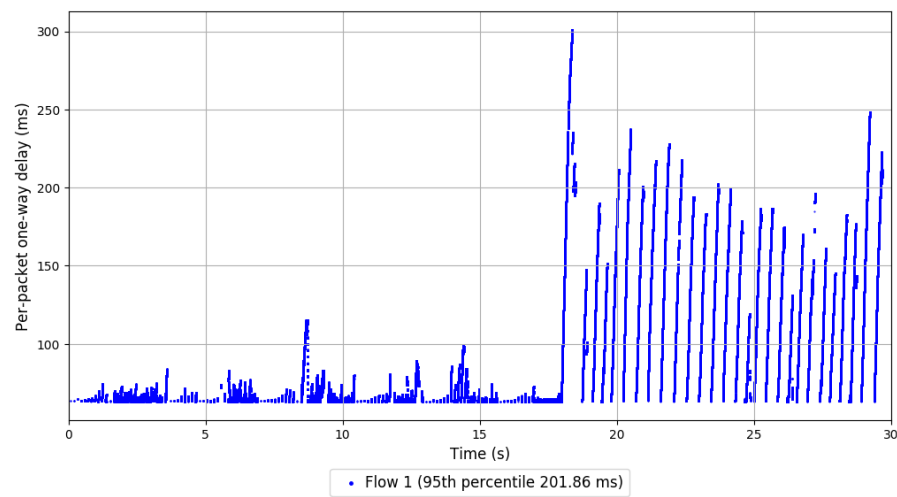
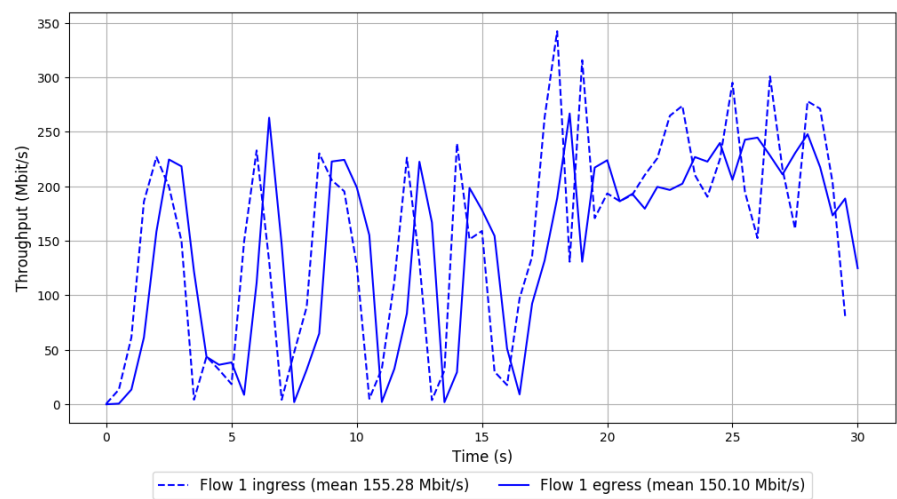


Run 1: Statistics of Verus

Start at: 2019-05-30 04:41:09
End at: 2019-05-30 04:41:39
Local clock offset: -0.09 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2019-05-30 08:36:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.10 Mbit/s
95th percentile per-packet one-way delay: 201.859 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 150.10 Mbit/s
95th percentile per-packet one-way delay: 201.859 ms
Loss rate: 4.08%

Run 1: Report of Verus — Data Link

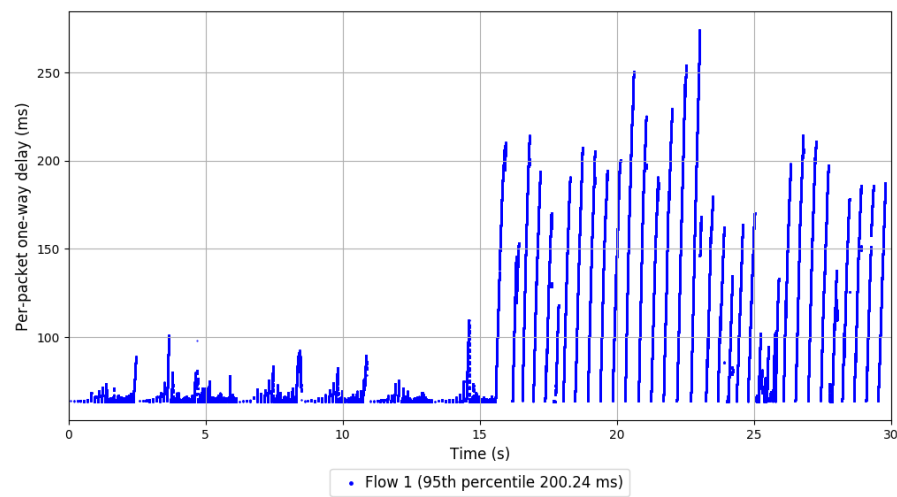
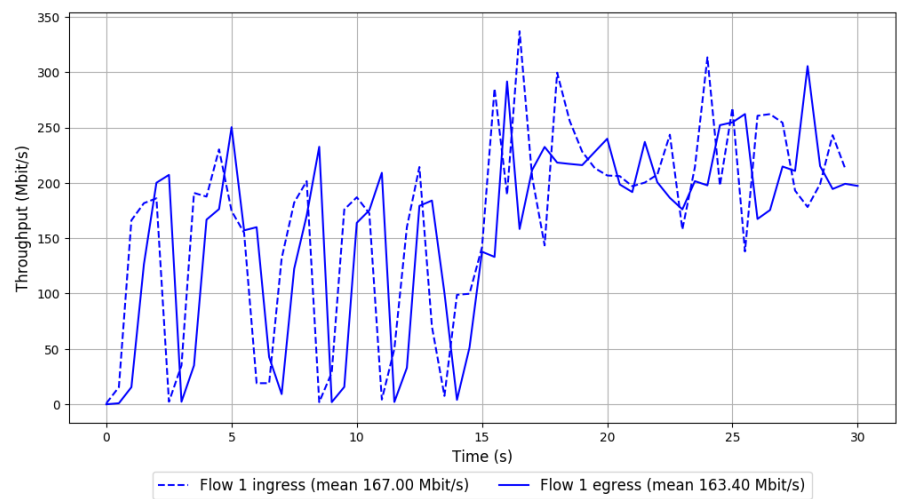


Run 2: Statistics of Verus

Start at: 2019-05-30 05:11:48
End at: 2019-05-30 05:12:18
Local clock offset: -0.06 ms
Remote clock offset: -0.375 ms

Below is generated by plot.py at 2019-05-30 08:36:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.40 Mbit/s
95th percentile per-packet one-way delay: 200.238 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 163.40 Mbit/s
95th percentile per-packet one-way delay: 200.238 ms
Loss rate: 2.85%

Run 2: Report of Verus — Data Link

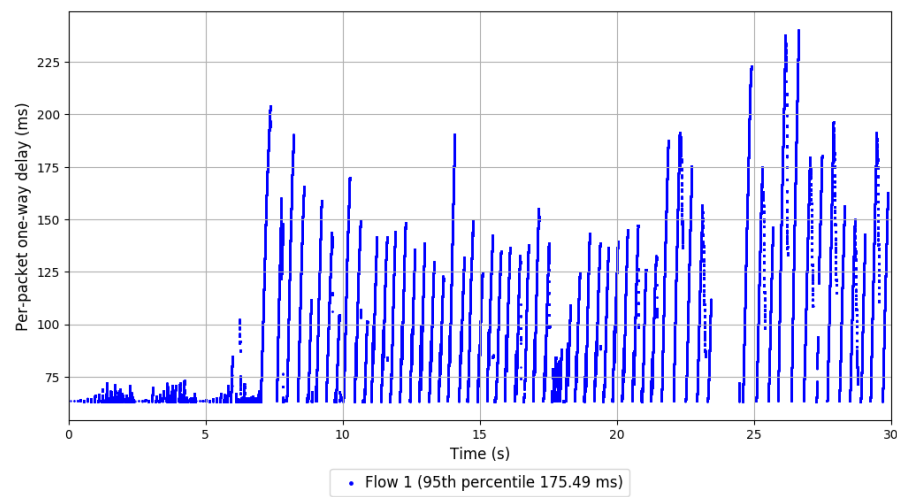
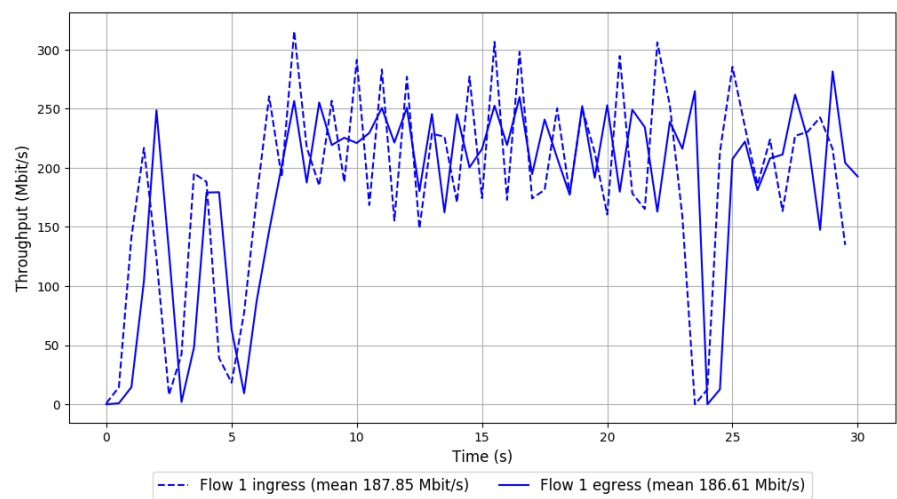


Run 3: Statistics of Verus

Start at: 2019-05-30 05:42:15
End at: 2019-05-30 05:42:45
Local clock offset: -0.077 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2019-05-30 08:36:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.61 Mbit/s
95th percentile per-packet one-way delay: 175.491 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 186.61 Mbit/s
95th percentile per-packet one-way delay: 175.491 ms
Loss rate: 0.33%

Run 3: Report of Verus — Data Link

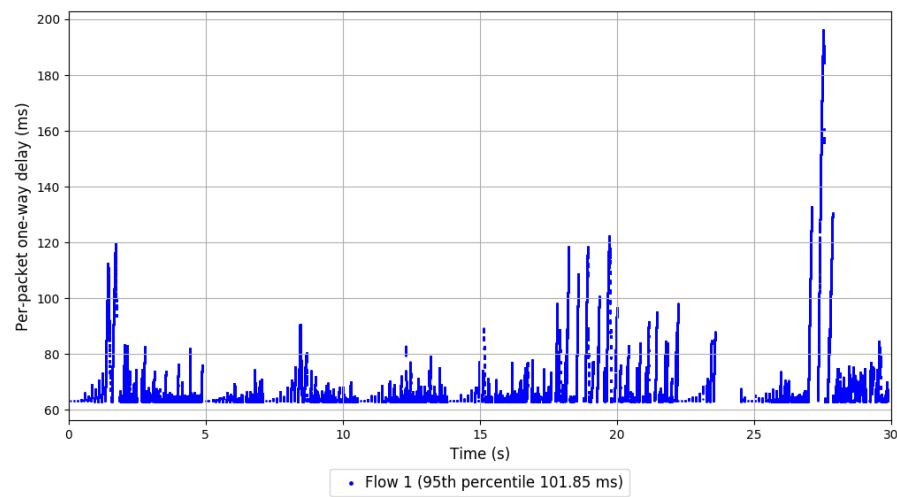
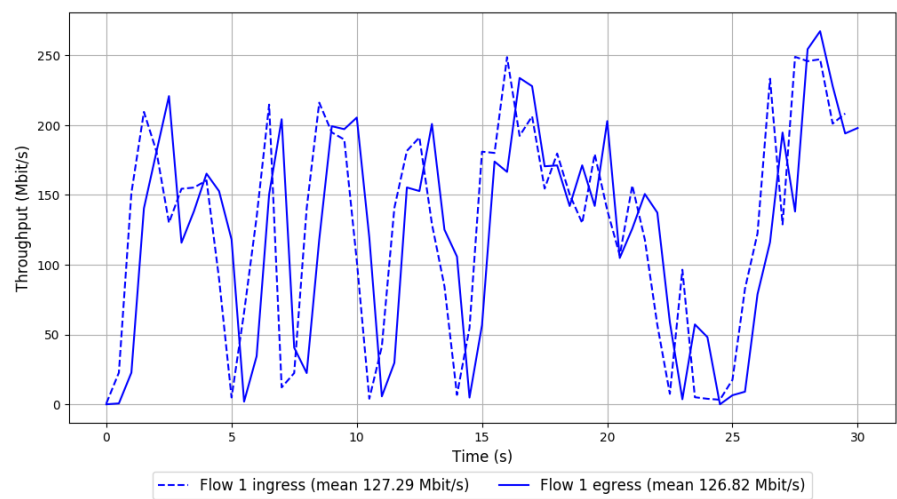


Run 4: Statistics of Verus

Start at: 2019-05-30 06:12:33
End at: 2019-05-30 06:13:03
Local clock offset: -0.057 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2019-05-30 08:36:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.82 Mbit/s
95th percentile per-packet one-way delay: 101.854 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 126.82 Mbit/s
95th percentile per-packet one-way delay: 101.854 ms
Loss rate: 0.79%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-30 06:43:11

End at: 2019-05-30 06:43:41

Local clock offset: 0.037 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-05-30 08:36:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.19 Mbit/s

95th percentile per-packet one-way delay: 102.343 ms

Loss rate: 0.88%

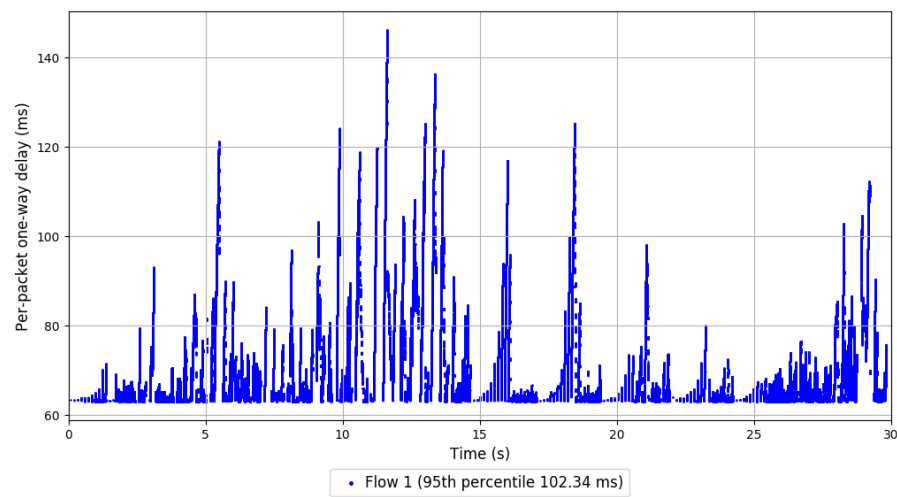
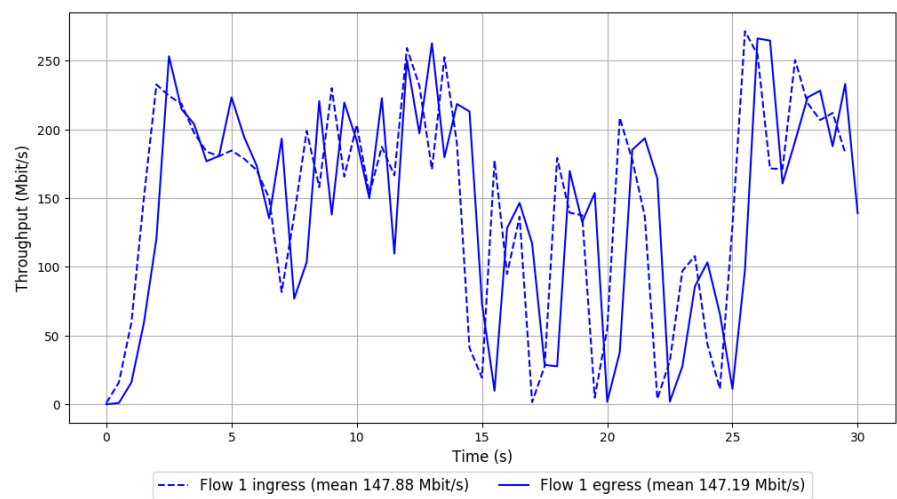
-- Flow 1:

Average throughput: 147.19 Mbit/s

95th percentile per-packet one-way delay: 102.343 ms

Loss rate: 0.88%

Run 5: Report of Verus — Data Link

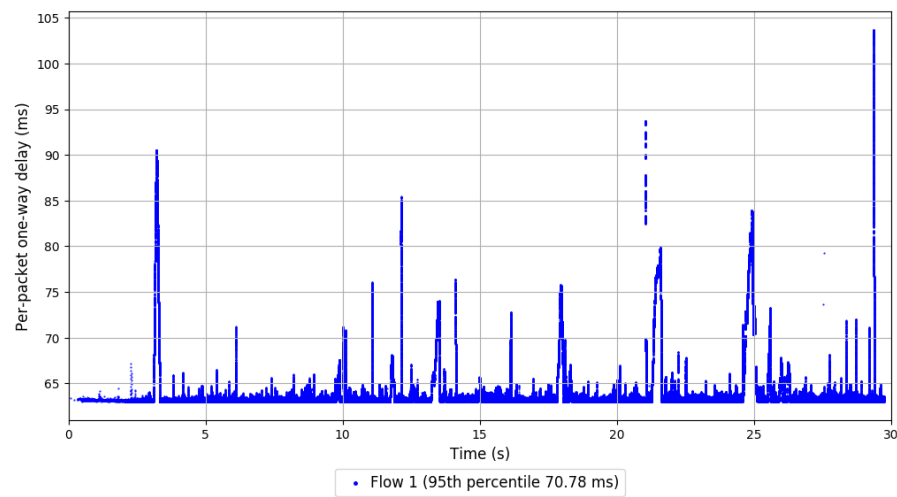
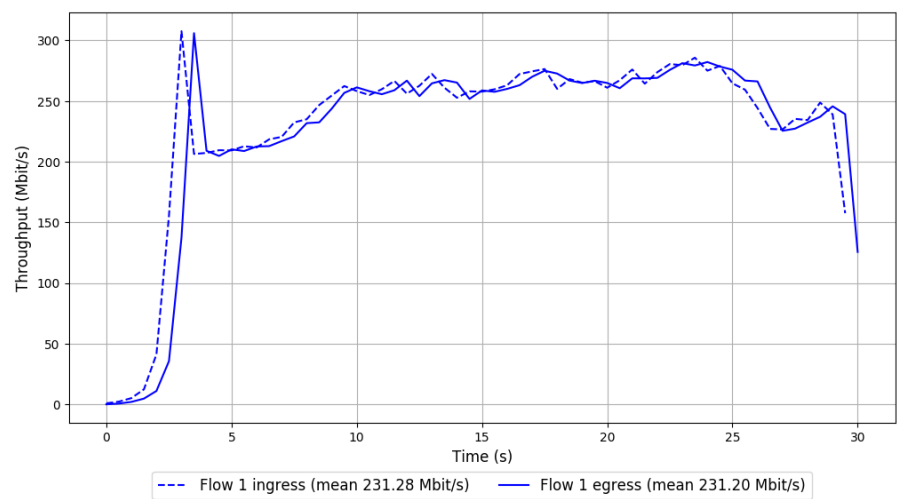


Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 04:36:41
End at: 2019-05-30 04:37:11
Local clock offset: -0.088 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-05-30 08:37:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.20 Mbit/s
95th percentile per-packet one-way delay: 70.780 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 231.20 Mbit/s
95th percentile per-packet one-way delay: 70.780 ms
Loss rate: 0.46%

Run 1: Report of PCC-Vivace — Data Link

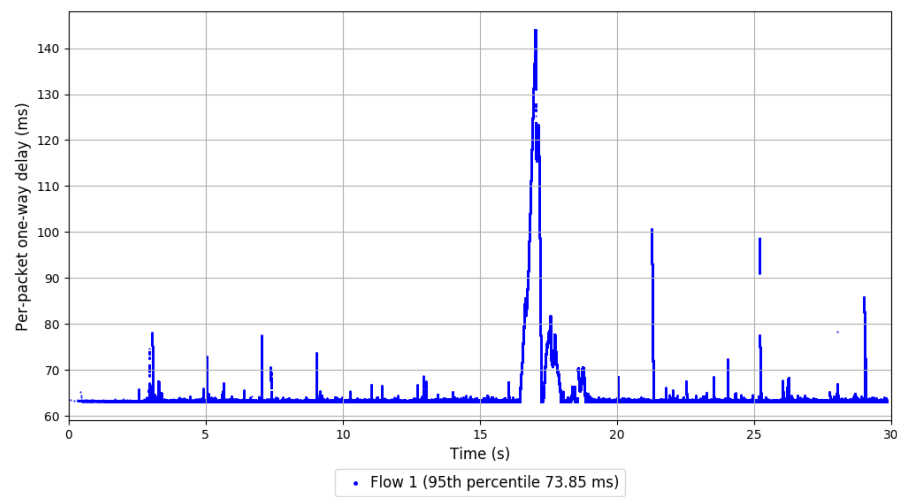
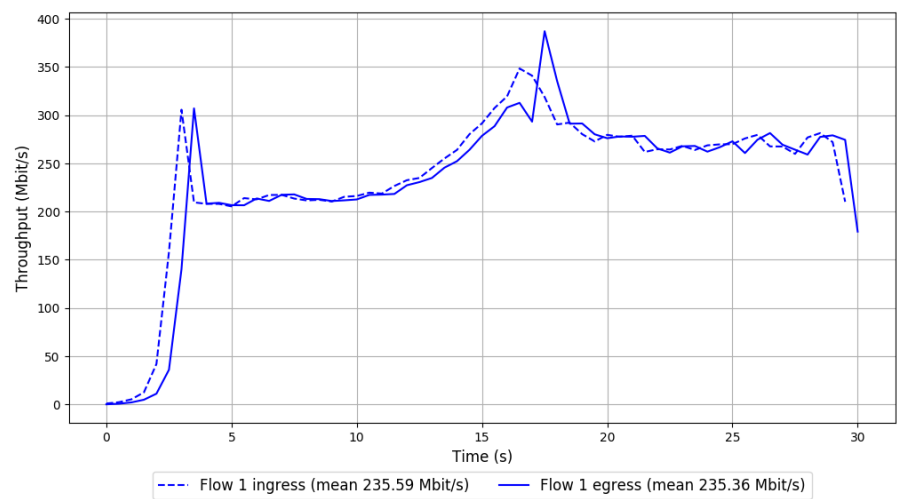


Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 05:07:20
End at: 2019-05-30 05:07:50
Local clock offset: -0.131 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-05-30 08:37:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.36 Mbit/s
95th percentile per-packet one-way delay: 73.850 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 235.36 Mbit/s
95th percentile per-packet one-way delay: 73.850 ms
Loss rate: 0.52%

Run 2: Report of PCC-Vivace — Data Link

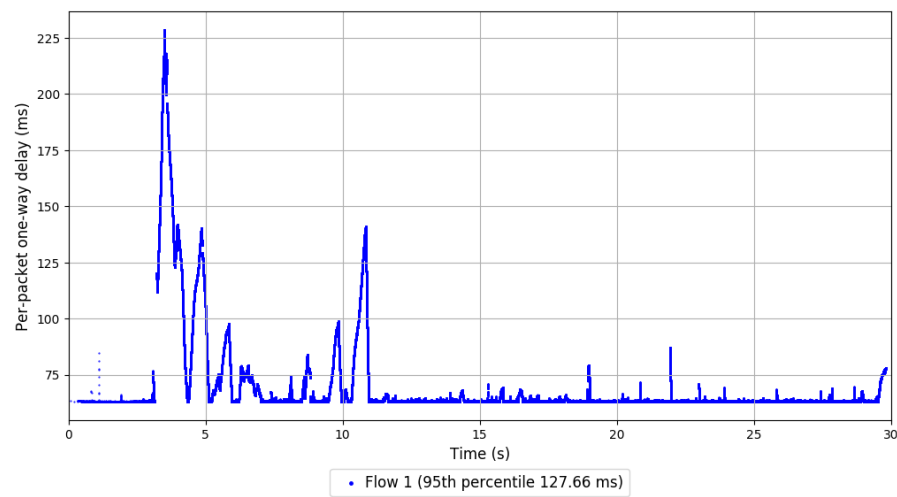
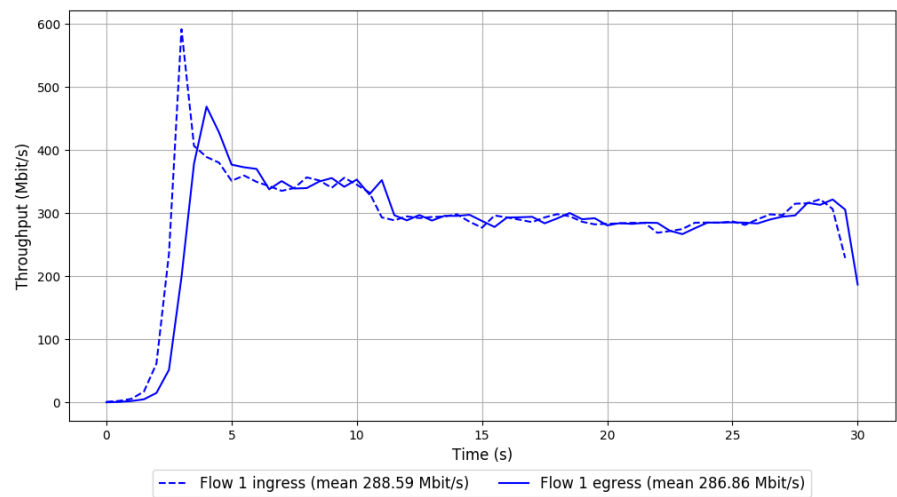


Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 05:37:44
End at: 2019-05-30 05:38:14
Local clock offset: -0.093 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-05-30 08:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.86 Mbit/s
95th percentile per-packet one-way delay: 127.659 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 286.86 Mbit/s
95th percentile per-packet one-way delay: 127.659 ms
Loss rate: 1.02%

Run 3: Report of PCC-Vivace — Data Link

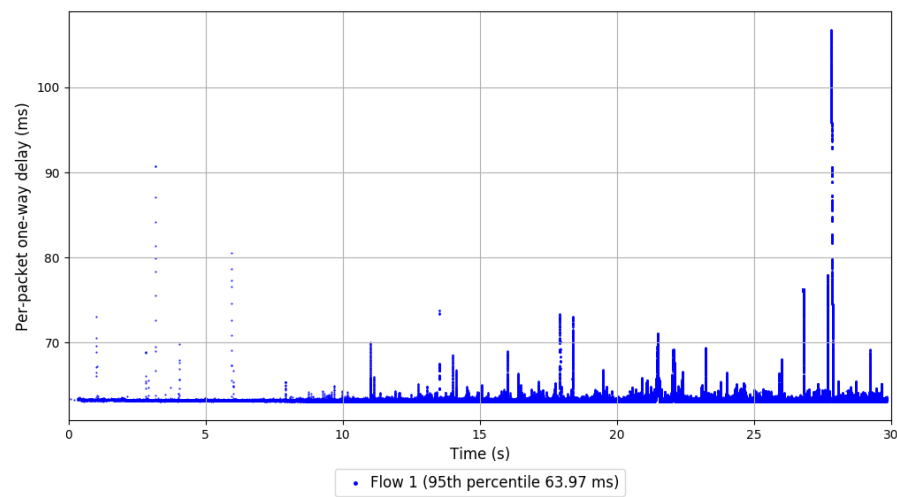
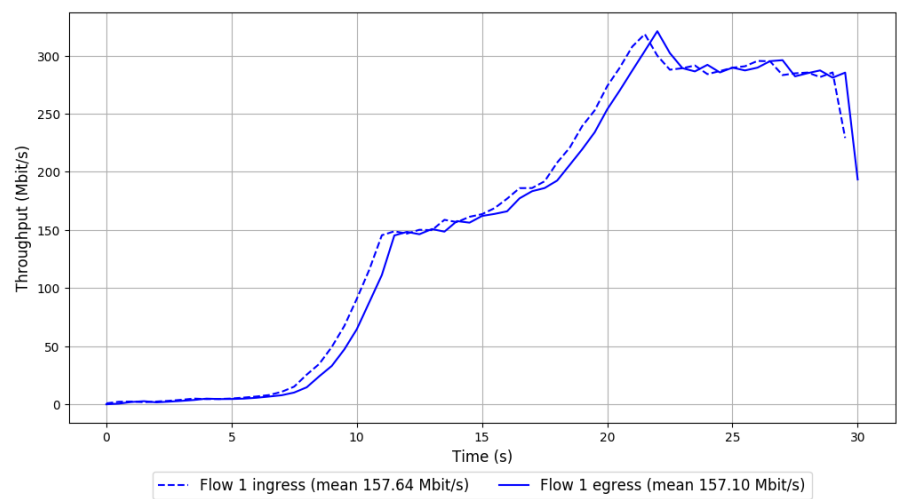


Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 06:08:12
End at: 2019-05-30 06:08:42
Local clock offset: -0.062 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-05-30 08:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.10 Mbit/s
95th percentile per-packet one-way delay: 63.973 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 157.10 Mbit/s
95th percentile per-packet one-way delay: 63.973 ms
Loss rate: 0.77%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 06:38:44

End at: 2019-05-30 06:39:14

Local clock offset: -0.005 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2019-05-30 08:37:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.94 Mbit/s

95th percentile per-packet one-way delay: 66.032 ms

Loss rate: 0.54%

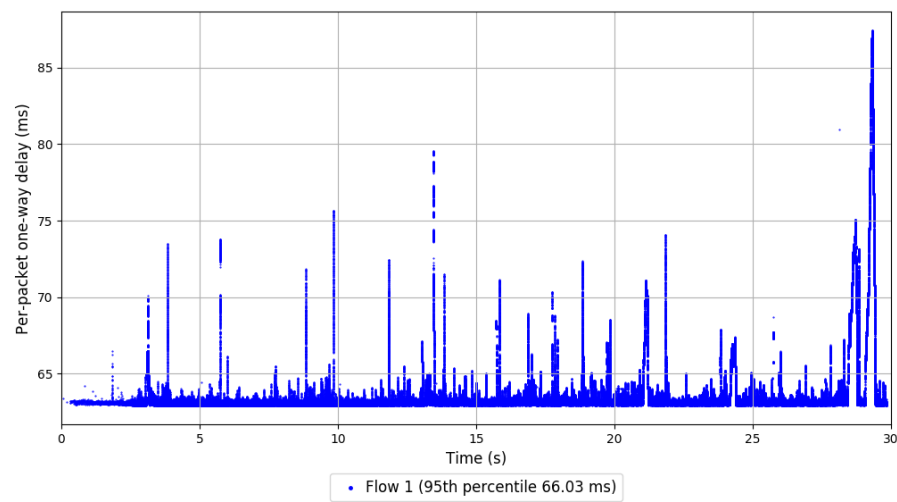
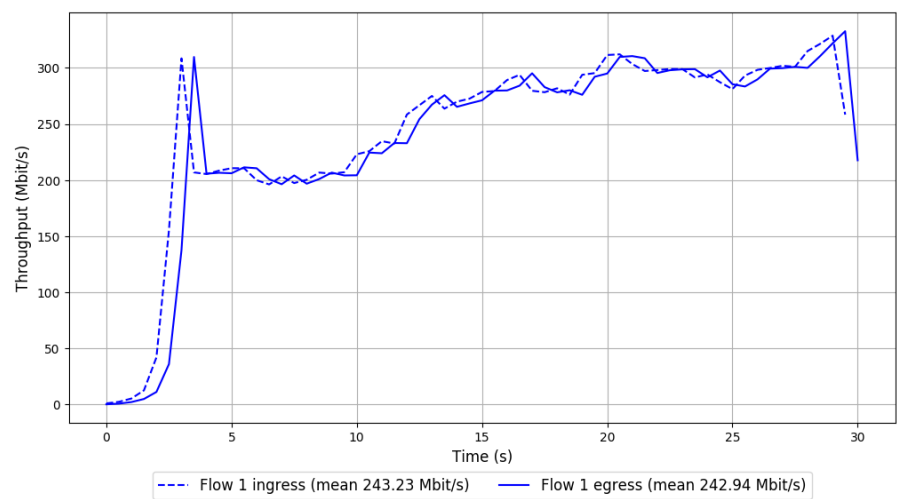
-- Flow 1:

Average throughput: 242.94 Mbit/s

95th percentile per-packet one-way delay: 66.032 ms

Loss rate: 0.54%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

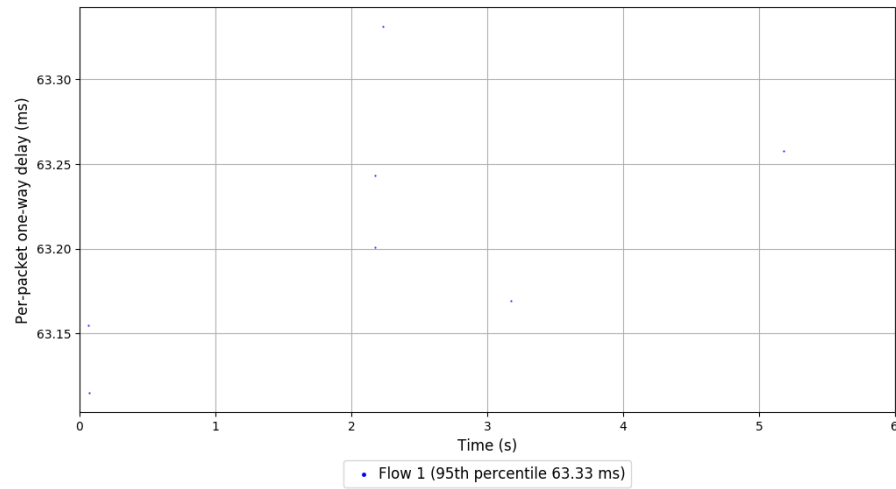
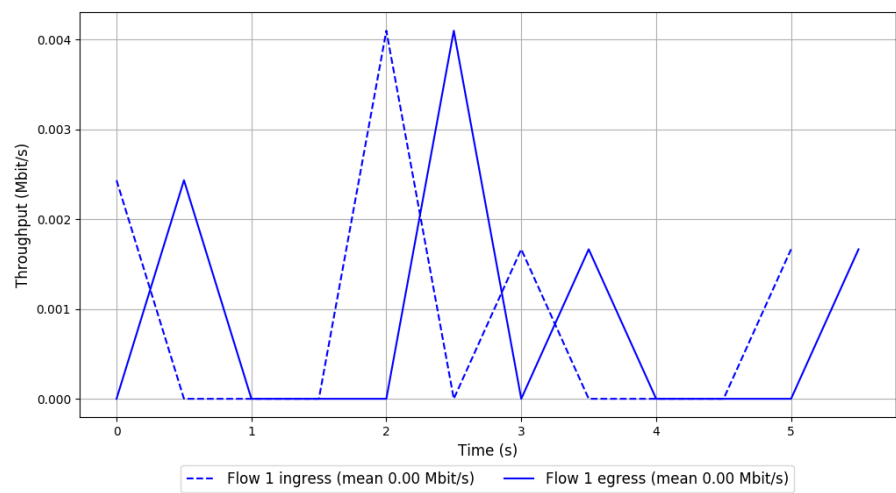
Start at: 2019-05-30 04:32:20

End at: 2019-05-30 04:32:50

Local clock offset: -0.056 ms

Remote clock offset: 0.012 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-05-30 05:02:58

End at: 2019-05-30 05:03:28

Local clock offset: -0.092 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2019-05-30 08:37:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.451 ms

Loss rate: 0.00%

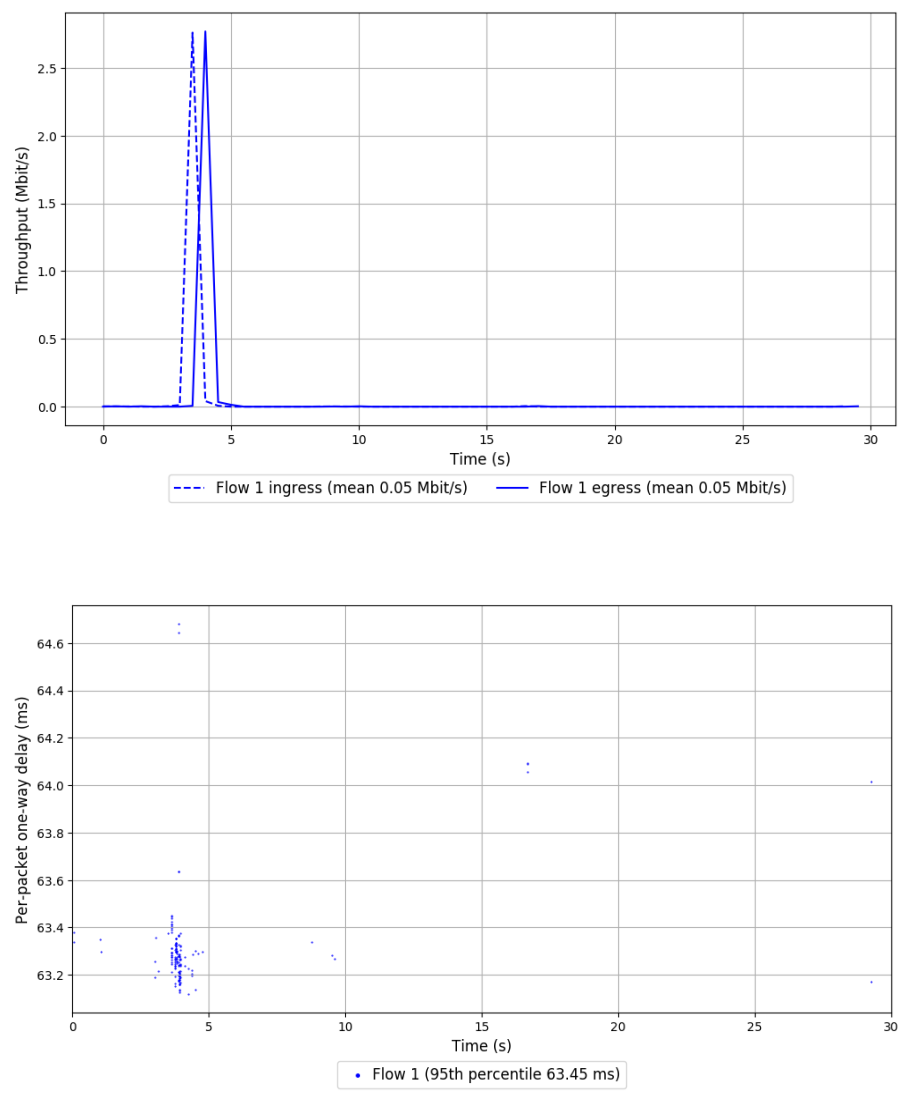
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.451 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

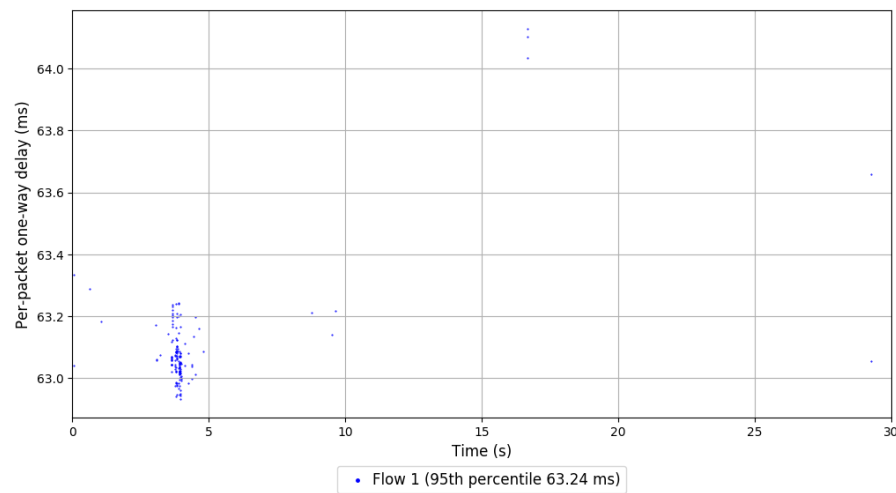
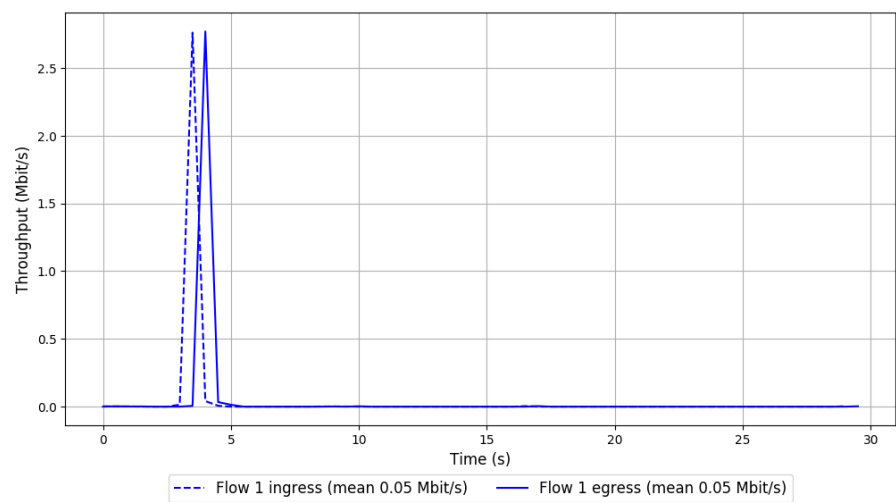


Run 3: Statistics of WebRTC media

Start at: 2019-05-30 05:33:23
End at: 2019-05-30 05:33:53
Local clock offset: -0.07 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-05-30 08:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.239 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

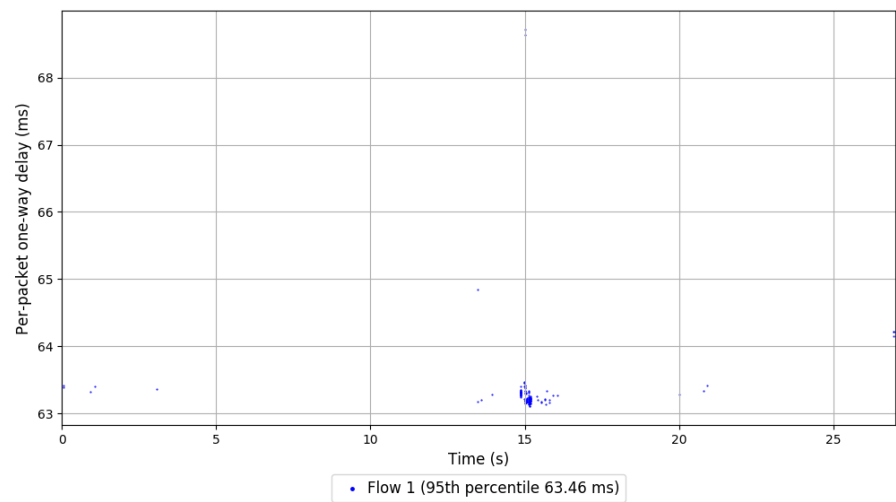
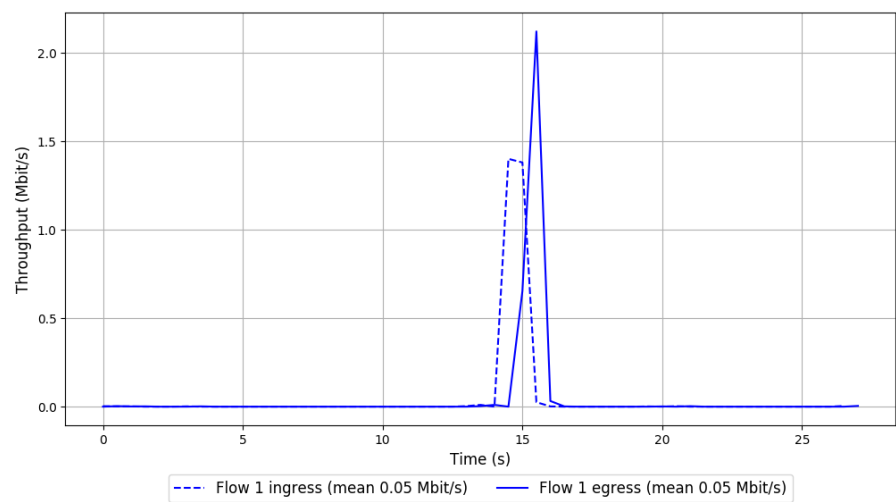


Run 4: Statistics of WebRTC media

Start at: 2019-05-30 06:03:52
End at: 2019-05-30 06:04:22
Local clock offset: -0.004 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2019-05-30 08:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.463 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 06:34:25
End at: 2019-05-30 06:34:55
Local clock offset: -0.005 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-05-30 08:37:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.449 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

