

Pantheon Report

Generated at 2019-04-24 18:56:39 (UTC).

Data path: GCE Tokyo on `ens4` (*remote*) → GCE Sydney 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:

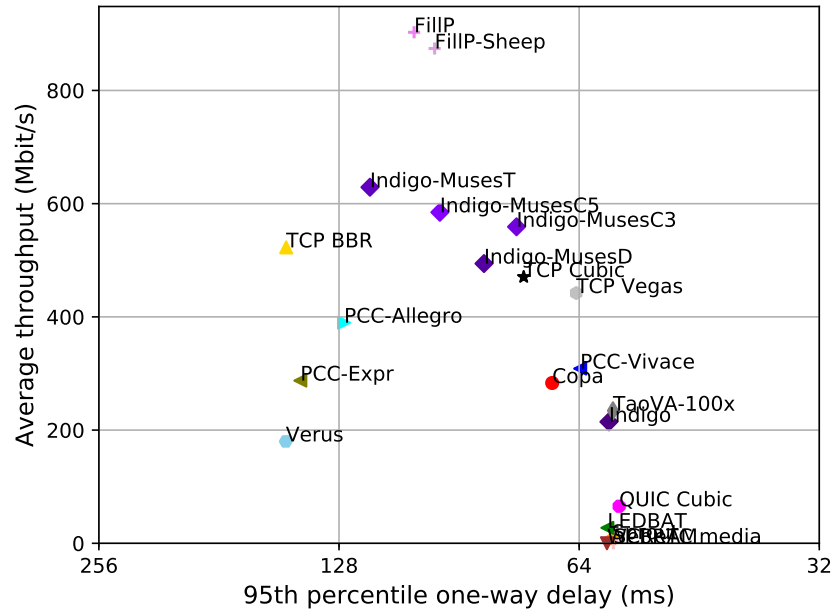
```
Linux 4.15.0-1028-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

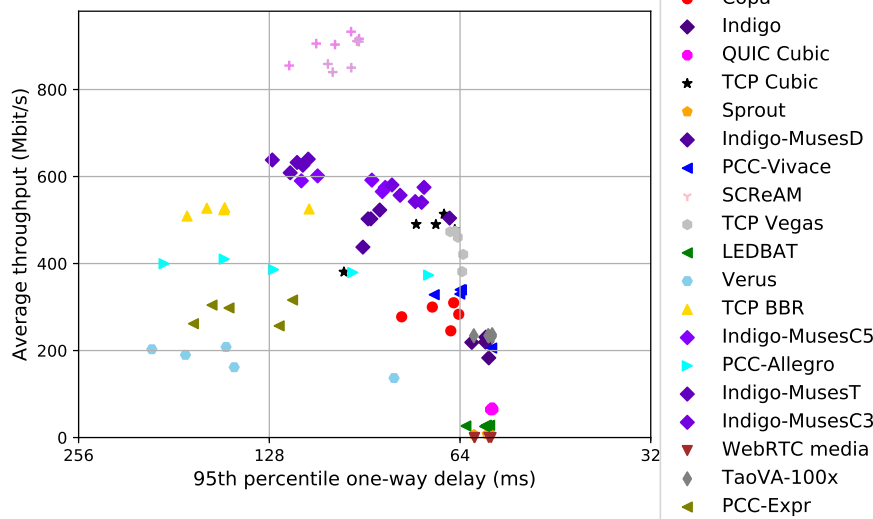
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 Sydney, 5 runs of 30s each per scheme
(mean of all runs by scheme)



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



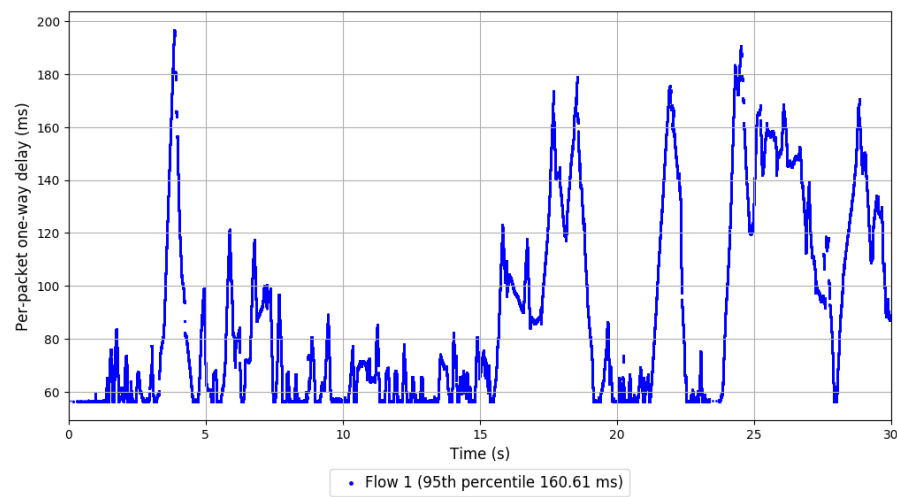
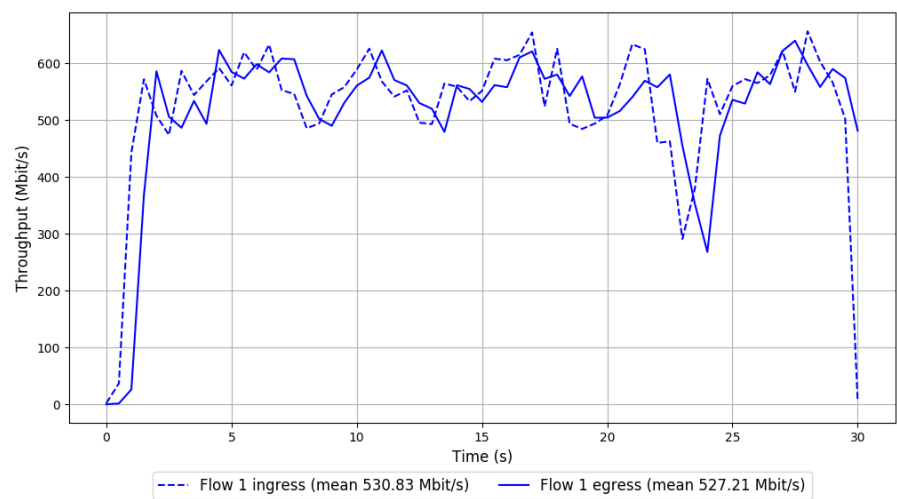
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	522.74	149.10	1.11
Copa	5	283.23	69.18	0.39
TCP Cubic	5	470.51	75.11	0.42
FillP	5	902.76	103.06	0.62
FillP-Sheep	5	874.09	97.13	0.59
Indigo	5	214.60	58.73	0.42
Indigo-MusesC3	5	559.16	76.68	0.49
Indigo-MusesC5	5	584.76	95.68	0.52
Indigo-MusesD	5	494.18	84.23	0.56
Indigo-MusesT	5	629.03	117.08	0.55
LEDBAT	5	27.36	59.00	0.64
PCC-Allegro	5	389.74	126.15	2.23
PCC-Expr	5	287.41	143.13	1.42
QUIC Cubic	5	65.49	57.02	0.62
SCReAM	5	0.22	57.99	0.38
Sprout	5	7.38	58.23	0.46
TaoVA-100x	5	234.20	58.05	0.41
TCP Vegas	5	442.08	64.55	0.42
Verus	5	179.96	149.27	1.18
PCC-Vivace	5	308.66	63.81	0.44
WebRTC media	4	0.05	59.07	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-04-24 14:56:19
End at: 2019-04-24 14:56:49
Local clock offset: -0.455 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-04-24 17:24:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 527.21 Mbit/s
95th percentile per-packet one-way delay: 160.611 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 527.21 Mbit/s
95th percentile per-packet one-way delay: 160.611 ms
Loss rate: 1.07%

Run 1: Report of TCP BBR — Data Link

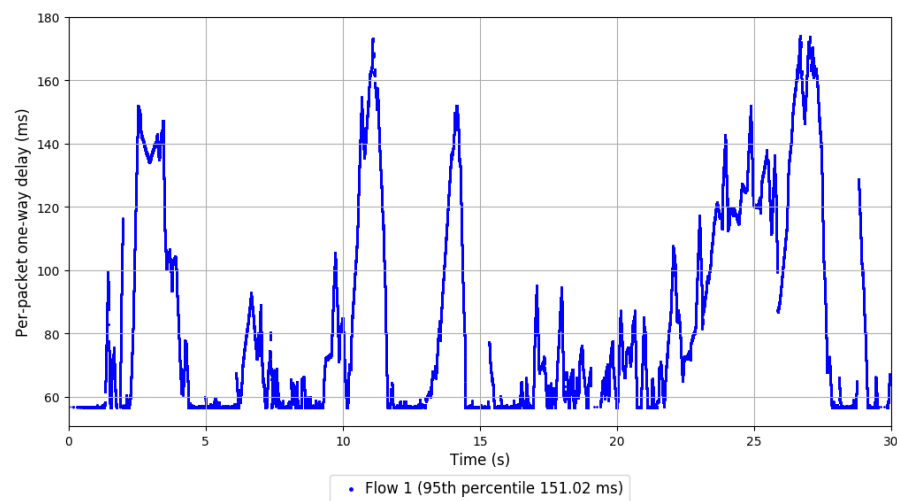
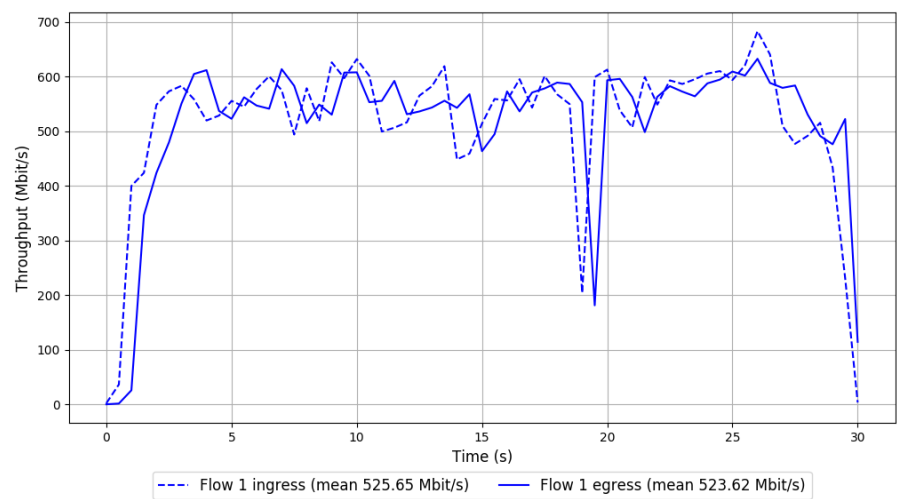


Run 2: Statistics of TCP BBR

Start at: 2019-04-24 15:27:11
End at: 2019-04-24 15:27:41
Local clock offset: -0.393 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-04-24 17:24:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 523.62 Mbit/s
95th percentile per-packet one-way delay: 151.016 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 523.62 Mbit/s
95th percentile per-packet one-way delay: 151.016 ms
Loss rate: 0.78%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-04-24 15:58:22

End at: 2019-04-24 15:58:52

Local clock offset: 0.148 ms

Remote clock offset: -0.418 ms

Below is generated by plot.py at 2019-04-24 17:24:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.43 Mbit/s

95th percentile per-packet one-way delay: 110.749 ms

Loss rate: 0.67%

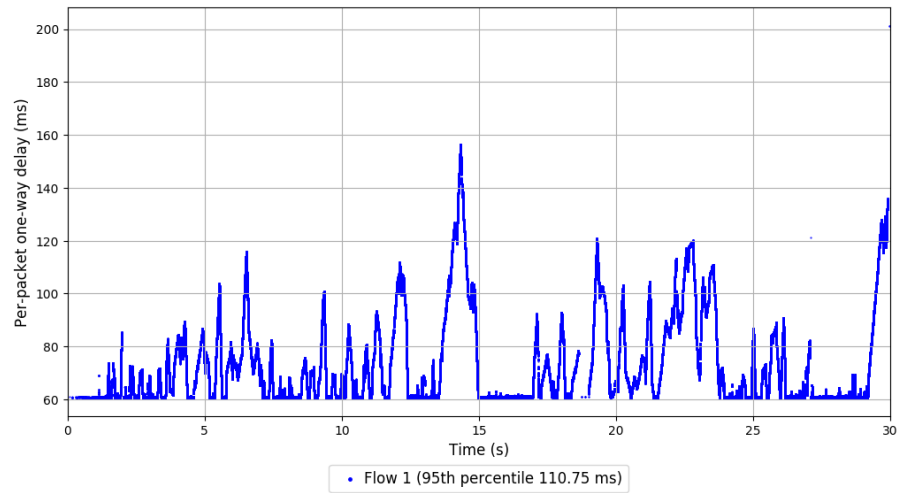
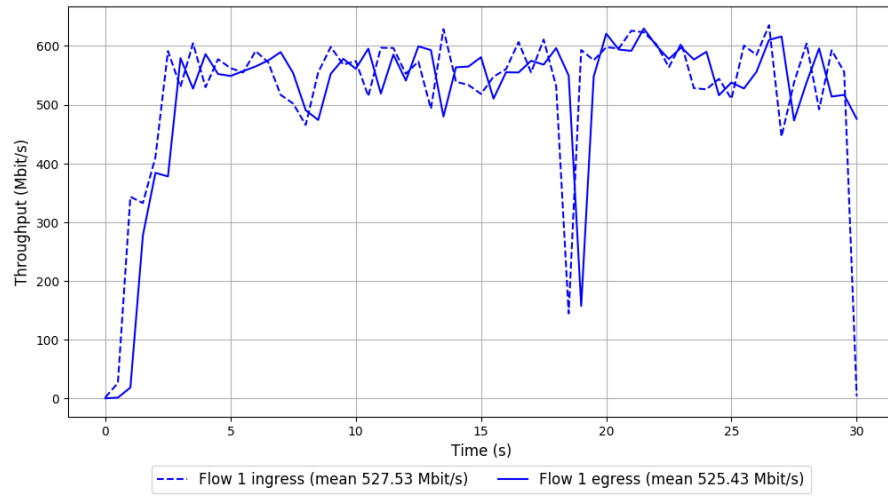
-- Flow 1:

Average throughput: 525.43 Mbit/s

95th percentile per-packet one-way delay: 110.749 ms

Loss rate: 0.67%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-04-24 16:29:36

End at: 2019-04-24 16:30:06

Local clock offset: 0.107 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-04-24 17:24:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.32 Mbit/s

95th percentile per-packet one-way delay: 150.539 ms

Loss rate: 1.19%

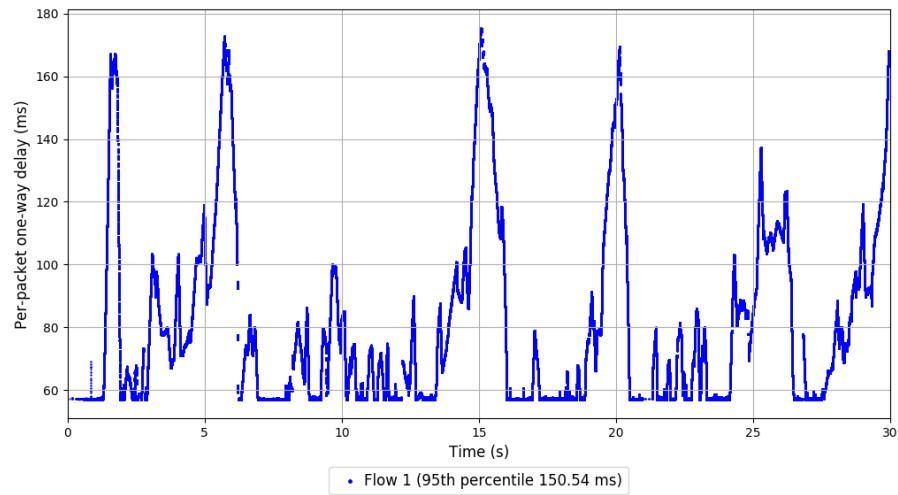
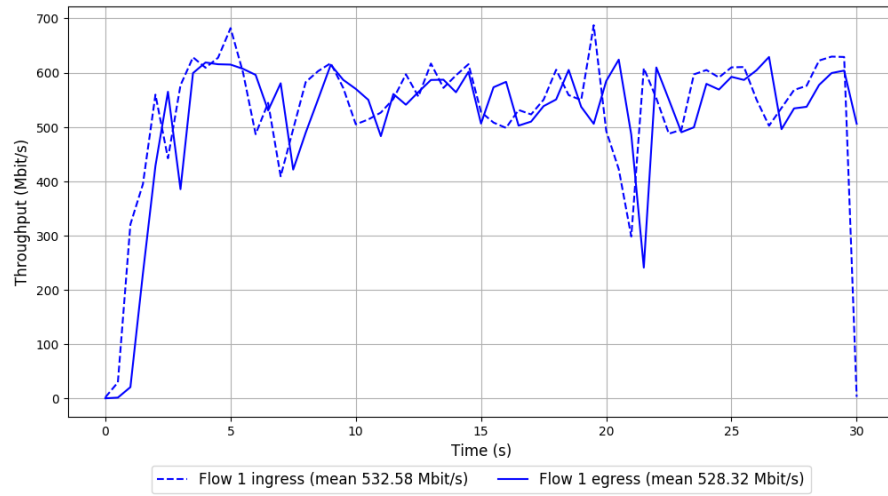
-- Flow 1:

Average throughput: 528.32 Mbit/s

95th percentile per-packet one-way delay: 150.539 ms

Loss rate: 1.19%

Run 4: Report of TCP BBR — Data Link

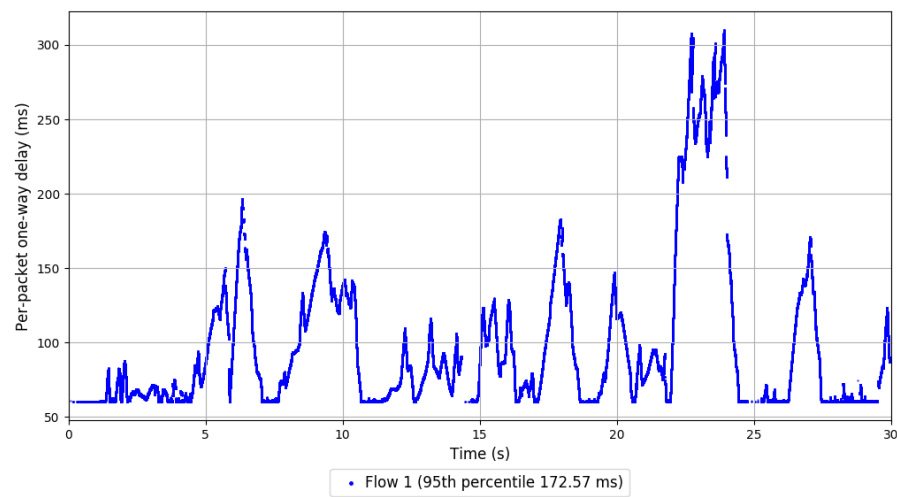
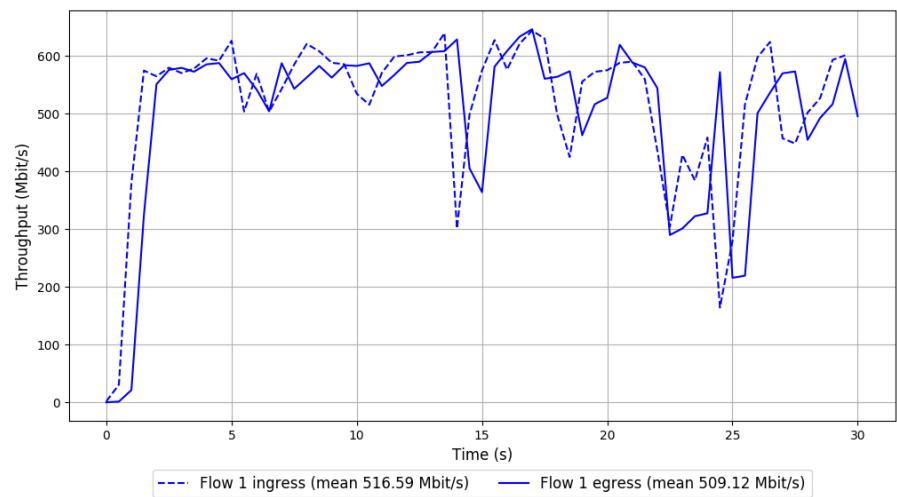


Run 5: Statistics of TCP BBR

Start at: 2019-04-24 17:01:29
End at: 2019-04-24 17:01:59
Local clock offset: -0.381 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-04-24 17:24:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 509.12 Mbit/s
95th percentile per-packet one-way delay: 172.573 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 509.12 Mbit/s
95th percentile per-packet one-way delay: 172.573 ms
Loss rate: 1.85%

Run 5: Report of TCP BBR — Data Link

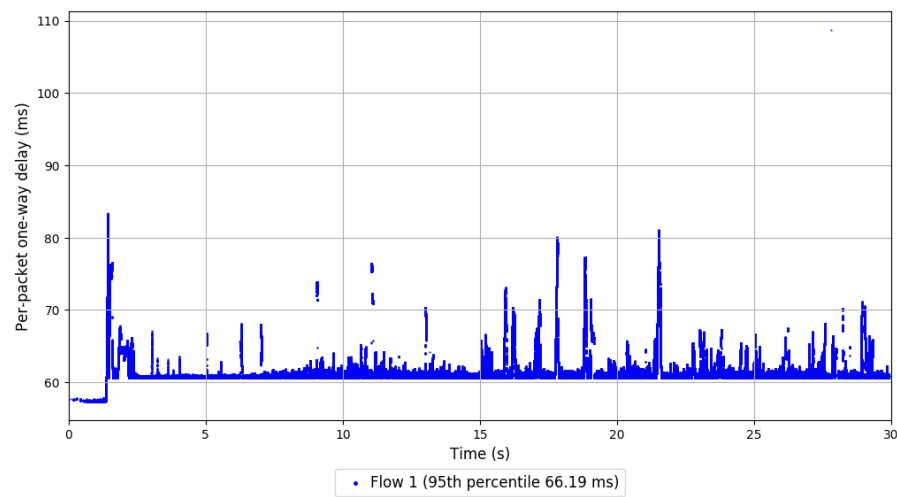
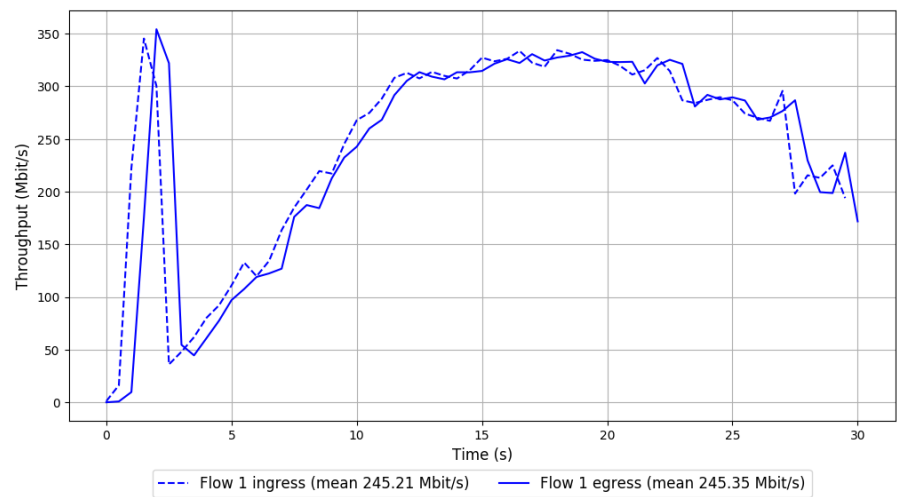


Run 1: Statistics of Copa

Start at: 2019-04-24 14:37:13
End at: 2019-04-24 14:37:43
Local clock offset: 0.266 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2019-04-24 17:24:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.35 Mbit/s
95th percentile per-packet one-way delay: 66.189 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 245.35 Mbit/s
95th percentile per-packet one-way delay: 66.189 ms
Loss rate: 0.33%

Run 1: Report of Copa — Data Link

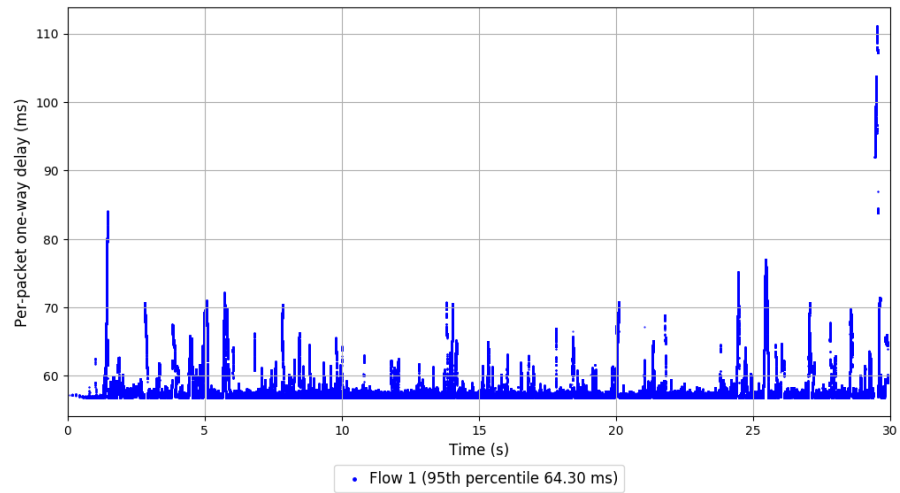
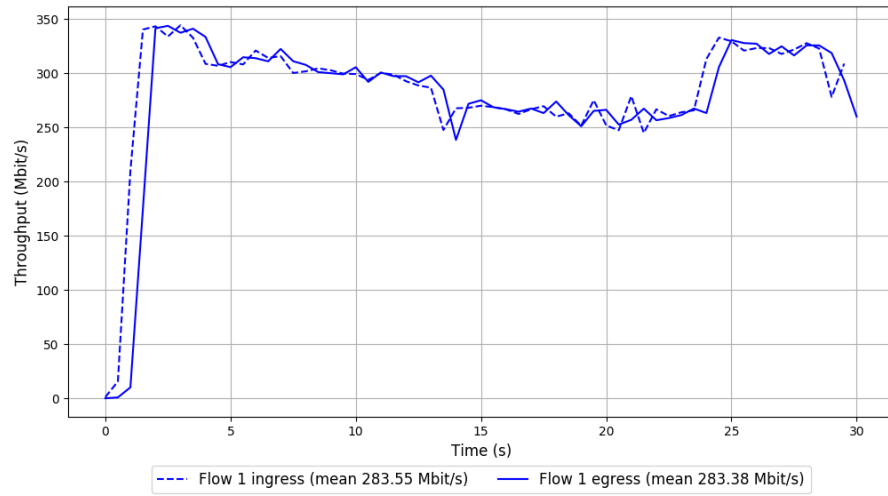


Run 2: Statistics of Copa

Start at: 2019-04-24 15:07:53
End at: 2019-04-24 15:08:23
Local clock offset: -0.174 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-04-24 17:24:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.38 Mbit/s
95th percentile per-packet one-way delay: 64.301 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 283.38 Mbit/s
95th percentile per-packet one-way delay: 64.301 ms
Loss rate: 0.44%

Run 2: Report of Copa — Data Link

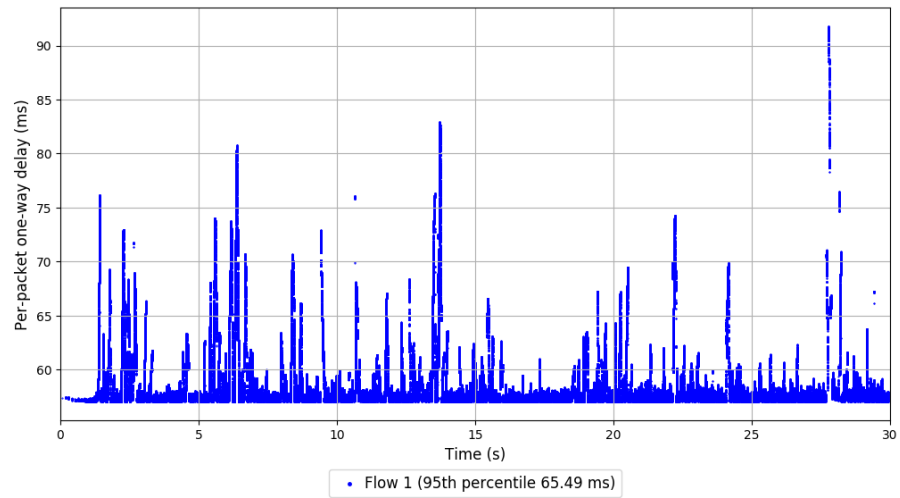
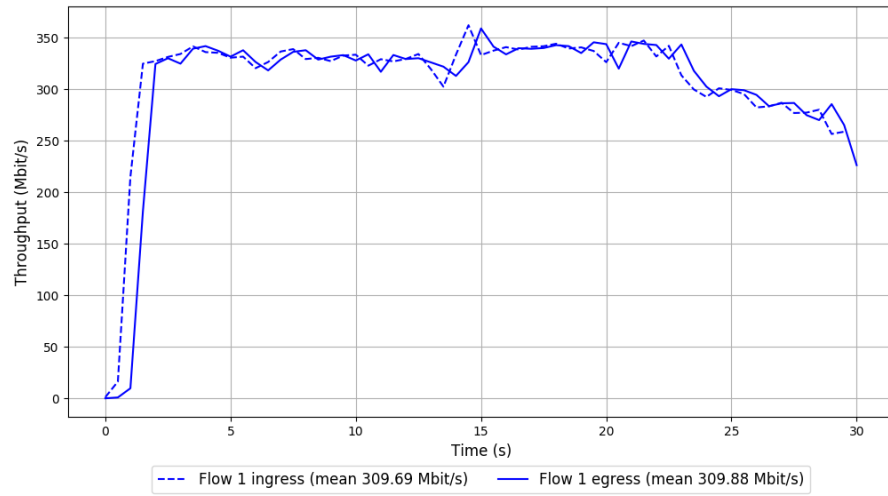


Run 3: Statistics of Copa

Start at: 2019-04-24 15:38:55
End at: 2019-04-24 15:39:25
Local clock offset: 0.091 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-04-24 17:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.88 Mbit/s
95th percentile per-packet one-way delay: 65.493 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 309.88 Mbit/s
95th percentile per-packet one-way delay: 65.493 ms
Loss rate: 0.32%

Run 3: Report of Copa — Data Link

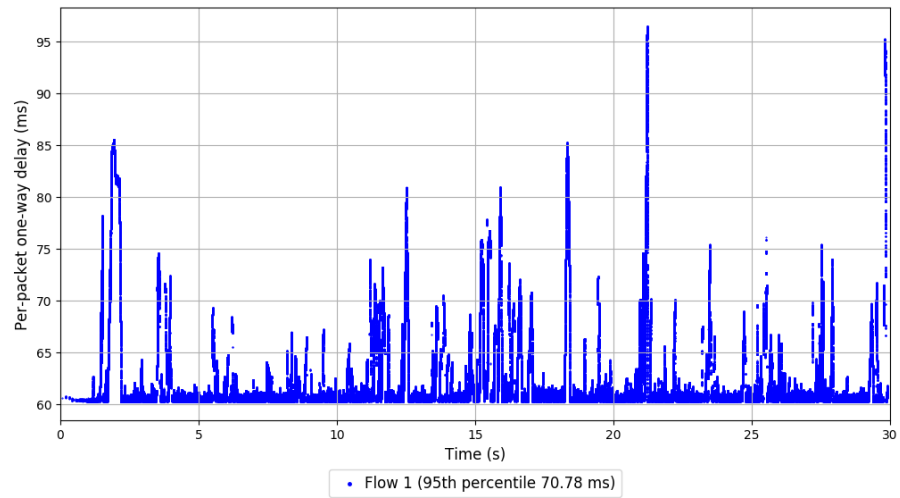
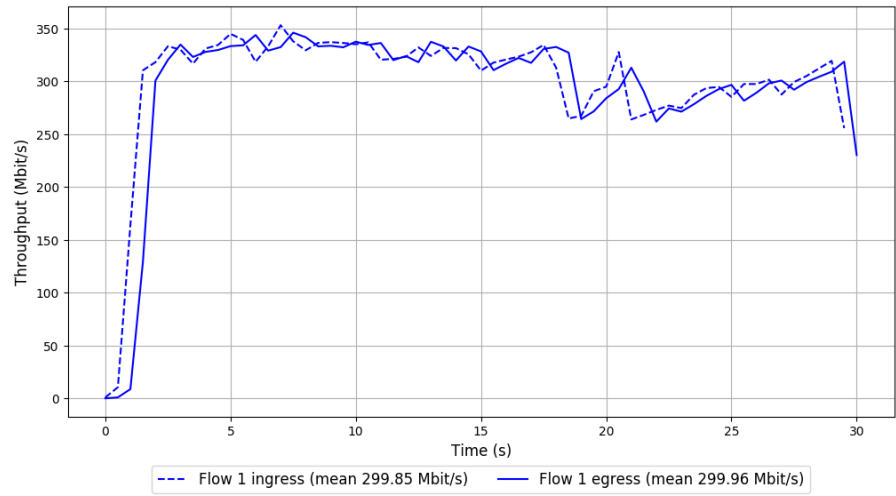


Run 4: Statistics of Copa

Start at: 2019-04-24 16:09:53
End at: 2019-04-24 16:10:23
Local clock offset: -0.091 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2019-04-24 17:32:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.96 Mbit/s
95th percentile per-packet one-way delay: 70.785 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 299.96 Mbit/s
95th percentile per-packet one-way delay: 70.785 ms
Loss rate: 0.38%

Run 4: Report of Copa — Data Link

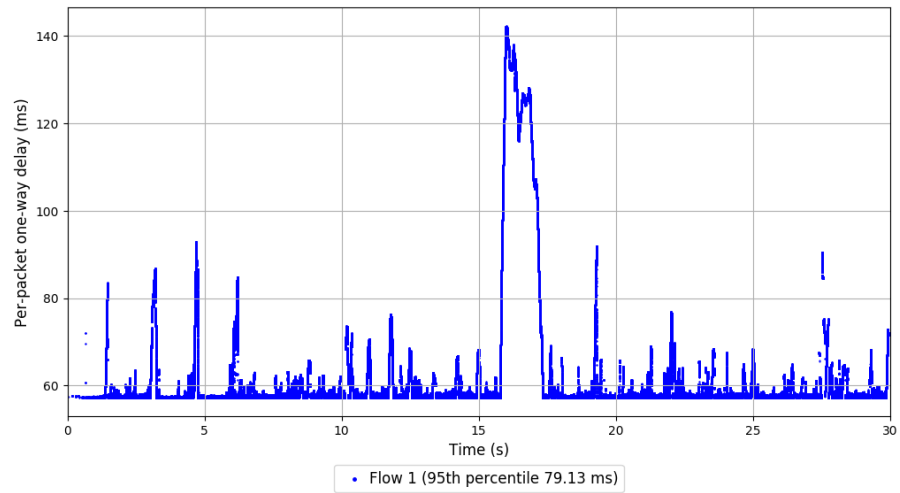
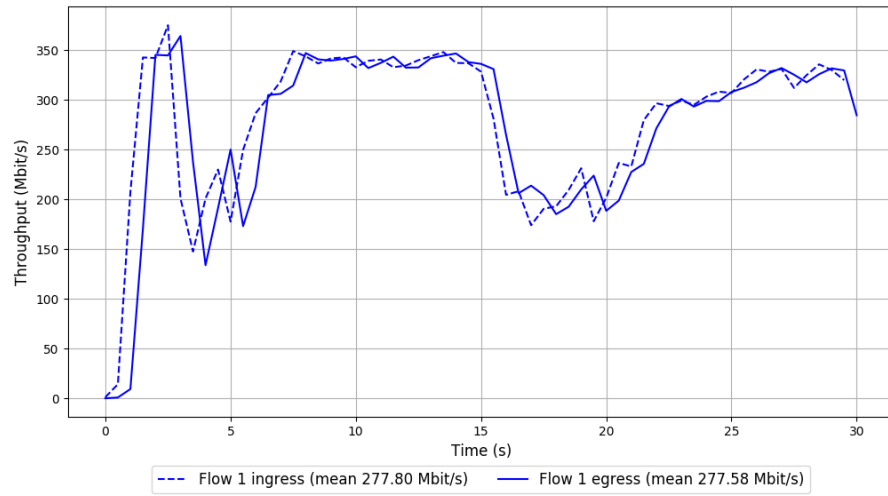


Run 5: Statistics of Copa

Start at: 2019-04-24 16:41:27
End at: 2019-04-24 16:41:57
Local clock offset: 0.157 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-04-24 17:32:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.58 Mbit/s
95th percentile per-packet one-way delay: 79.127 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 277.58 Mbit/s
95th percentile per-packet one-way delay: 79.127 ms
Loss rate: 0.46%

Run 5: Report of Copa — Data Link

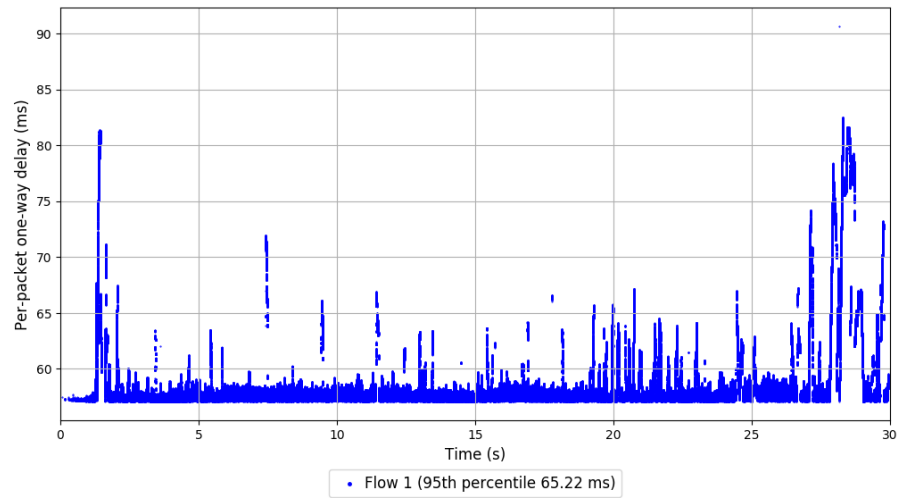
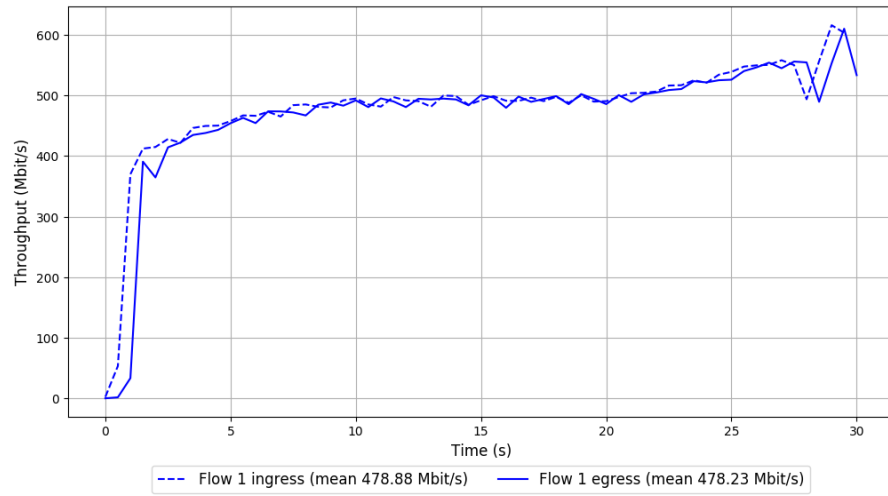


Run 1: Statistics of TCP Cubic

Start at: 2019-04-24 14:28:49
End at: 2019-04-24 14:29:19
Local clock offset: 0.024 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-04-24 17:32:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 478.23 Mbit/s
95th percentile per-packet one-way delay: 65.223 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 478.23 Mbit/s
95th percentile per-packet one-way delay: 65.223 ms
Loss rate: 0.52%

Run 1: Report of TCP Cubic — Data Link

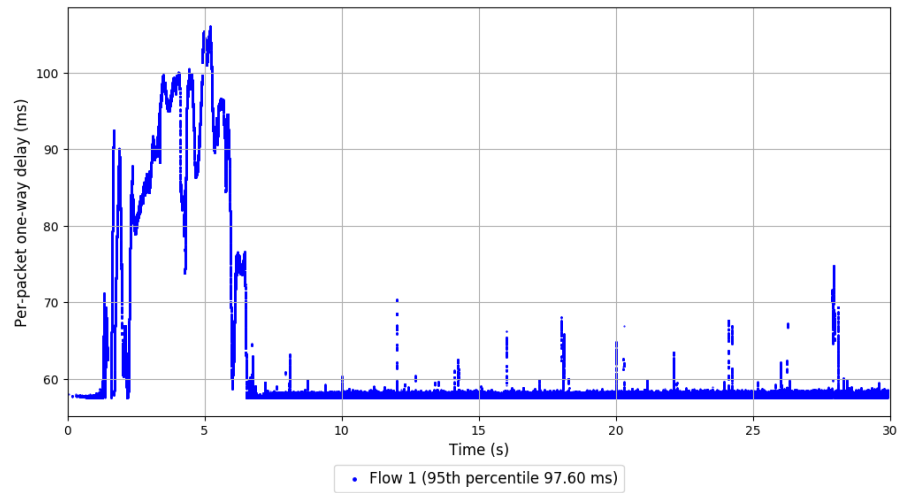
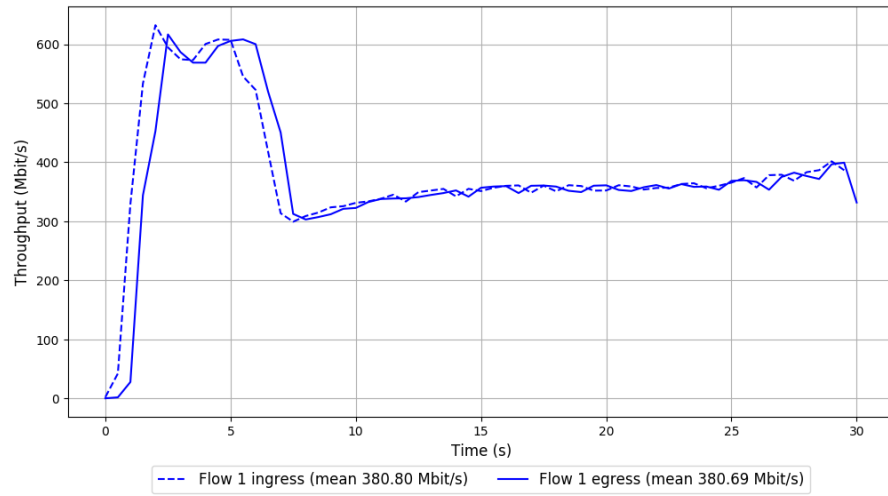


Run 2: Statistics of TCP Cubic

Start at: 2019-04-24 14:59:35
End at: 2019-04-24 15:00:05
Local clock offset: 0.308 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-04-24 17:32:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.69 Mbit/s
95th percentile per-packet one-way delay: 97.596 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 380.69 Mbit/s
95th percentile per-packet one-way delay: 97.596 ms
Loss rate: 0.42%

Run 2: Report of TCP Cubic — Data Link

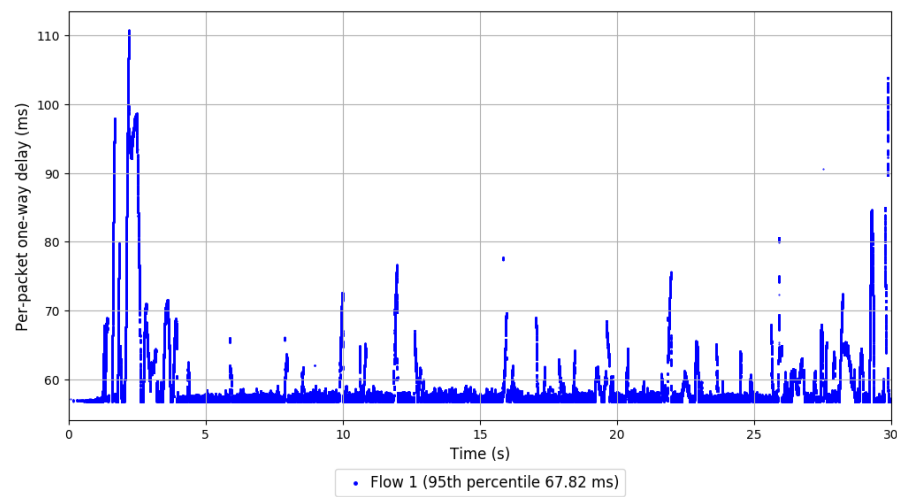
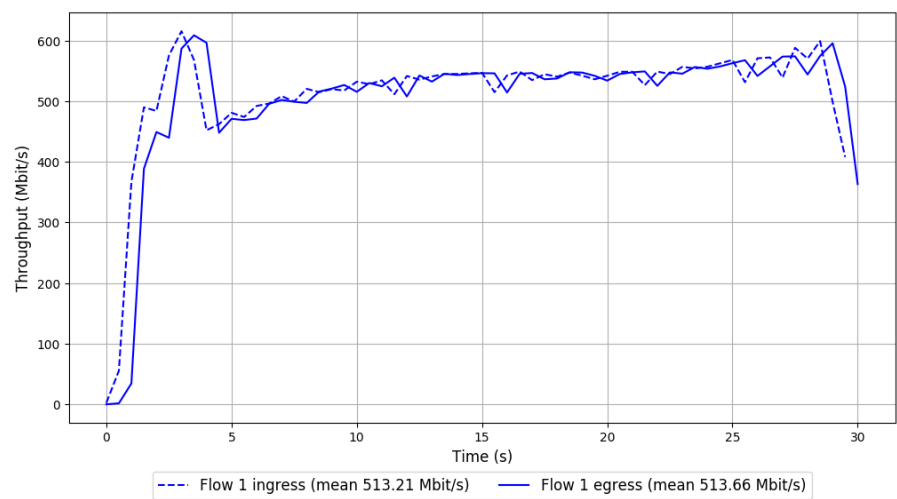


Run 3: Statistics of TCP Cubic

Start at: 2019-04-24 15:30:27
End at: 2019-04-24 15:30:57
Local clock offset: 0.136 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-04-24 17:33:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 513.66 Mbit/s
95th percentile per-packet one-way delay: 67.818 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 513.66 Mbit/s
95th percentile per-packet one-way delay: 67.818 ms
Loss rate: 0.30%

Run 3: Report of TCP Cubic — Data Link

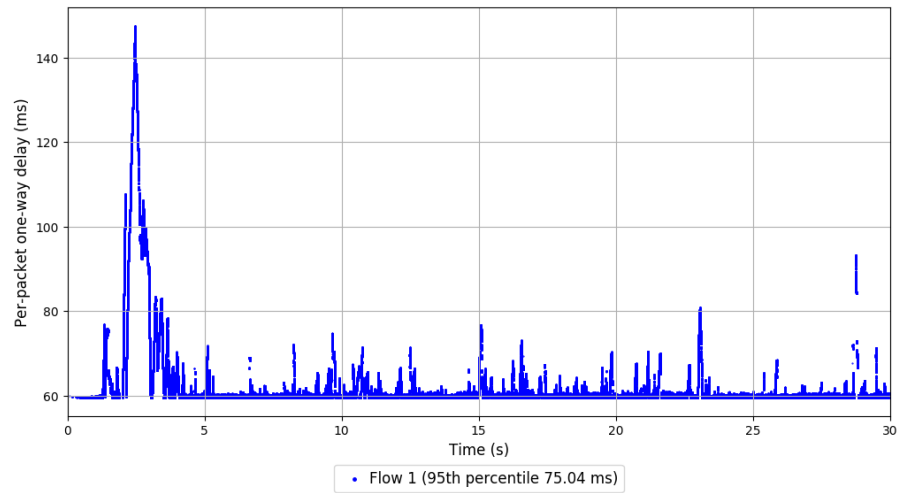
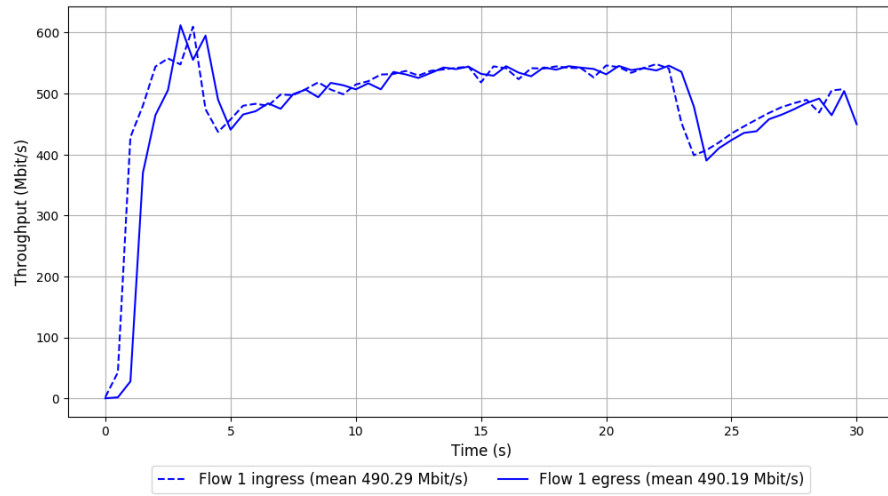


Run 4: Statistics of TCP Cubic

Start at: 2019-04-24 16:01:29
End at: 2019-04-24 16:01:59
Local clock offset: -0.511 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2019-04-24 17:33:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 490.19 Mbit/s
95th percentile per-packet one-way delay: 75.039 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 490.19 Mbit/s
95th percentile per-packet one-way delay: 75.039 ms
Loss rate: 0.41%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-04-24 16:32:50

End at: 2019-04-24 16:33:20

Local clock offset: -0.188 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-04-24 17:33:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.80 Mbit/s

95th percentile per-packet one-way delay: 69.875 ms

Loss rate: 0.44%

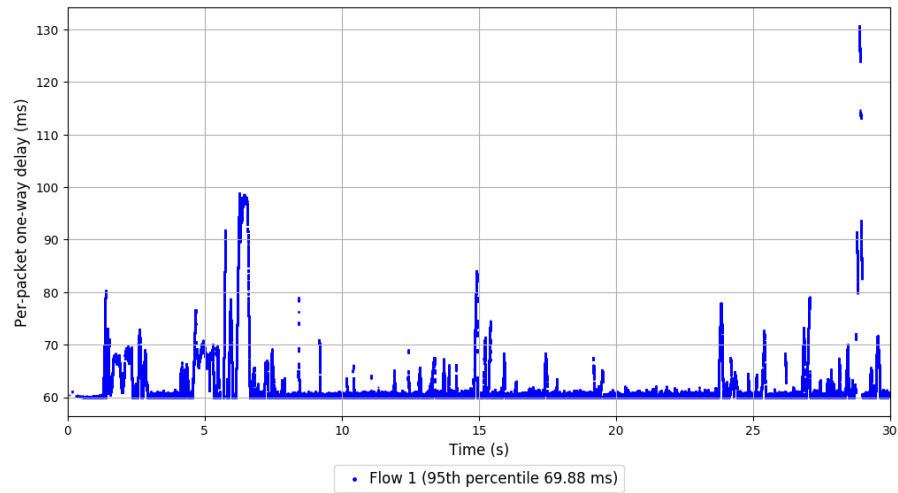
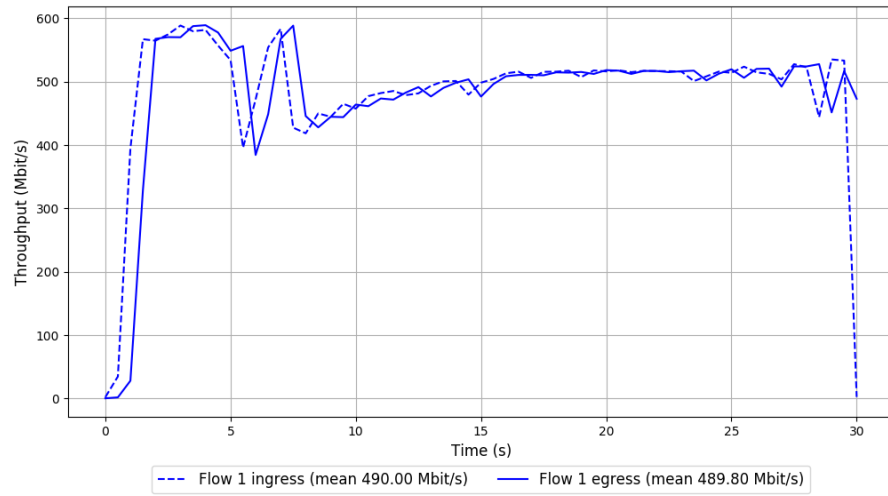
-- Flow 1:

Average throughput: 489.80 Mbit/s

95th percentile per-packet one-way delay: 69.875 ms

Loss rate: 0.44%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-04-24 14:43:00

End at: 2019-04-24 14:43:30

Local clock offset: -0.084 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2019-04-24 17:42:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 916.82 Mbit/s

95th percentile per-packet one-way delay: 92.379 ms

Loss rate: 0.47%

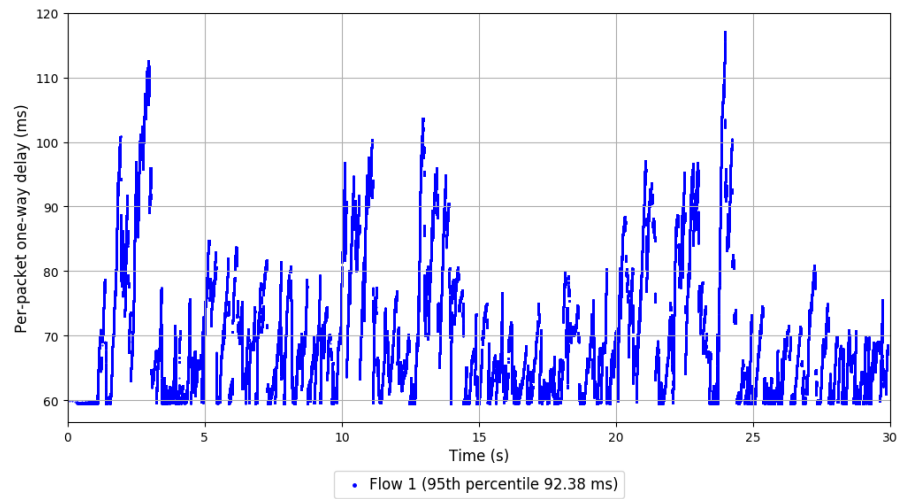
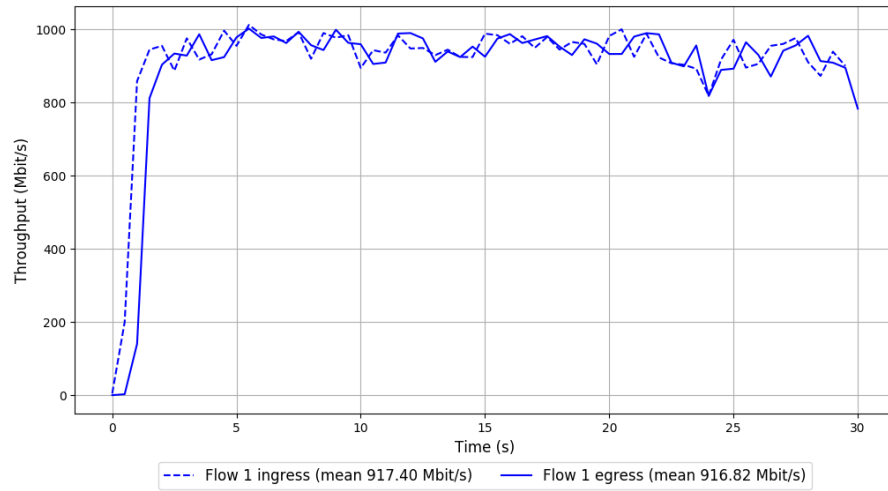
-- Flow 1:

Average throughput: 916.82 Mbit/s

95th percentile per-packet one-way delay: 92.379 ms

Loss rate: 0.47%

Run 1: Report of FillP — Data Link

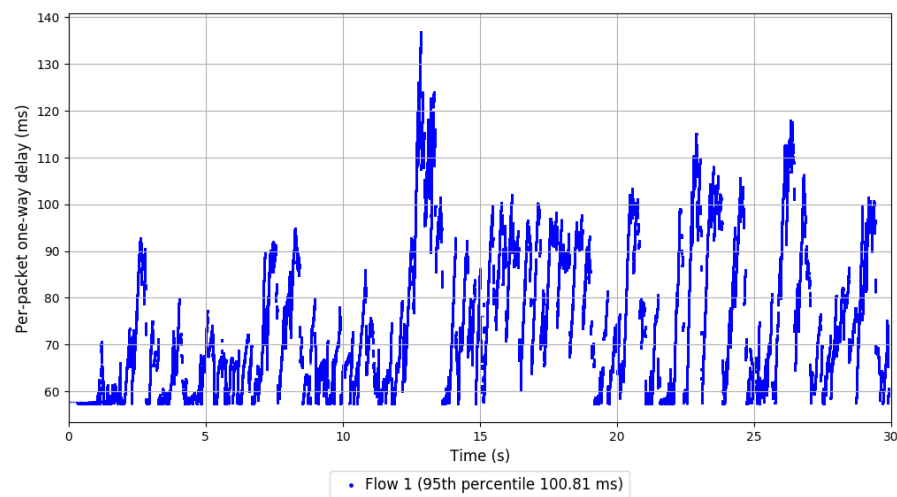
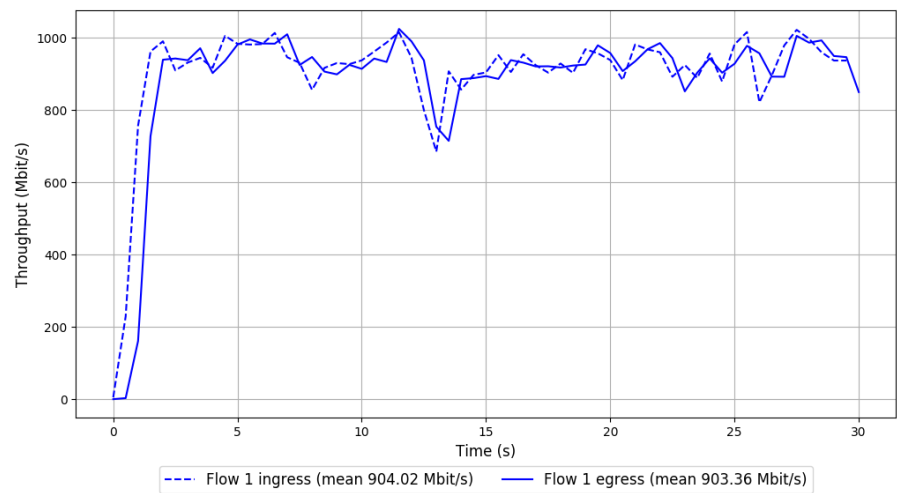


Run 2: Statistics of FillP

Start at: 2019-04-24 15:13:46
End at: 2019-04-24 15:14:16
Local clock offset: 0.315 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-04-24 17:50:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 903.36 Mbit/s
95th percentile per-packet one-way delay: 100.810 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 903.36 Mbit/s
95th percentile per-packet one-way delay: 100.810 ms
Loss rate: 0.47%

Run 2: Report of FillP — Data Link

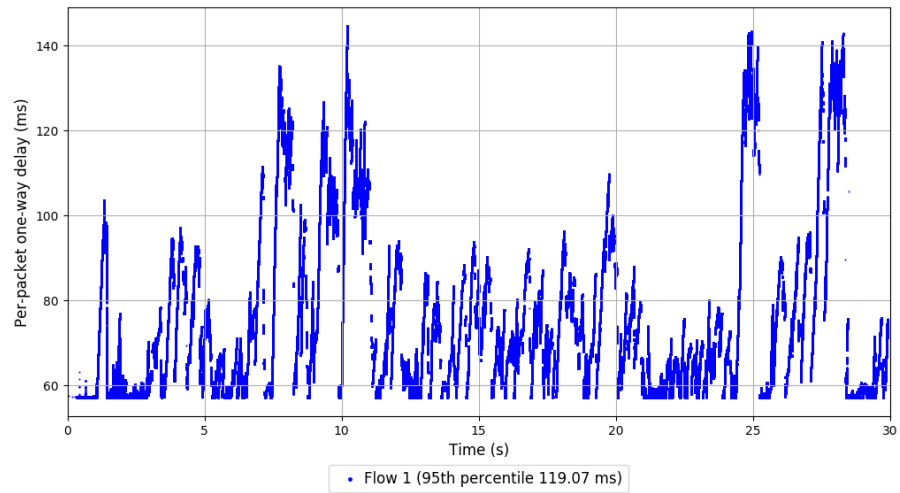
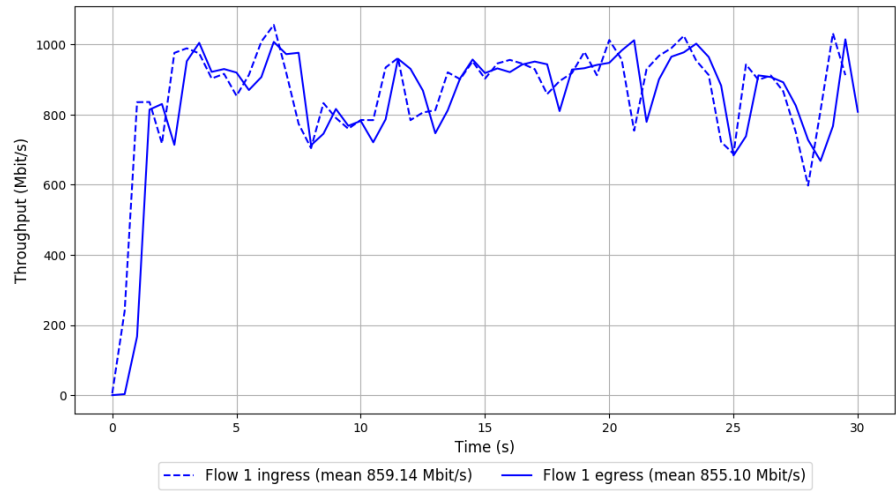


Run 3: Statistics of FillP

Start at: 2019-04-24 15:44:50
End at: 2019-04-24 15:45:20
Local clock offset: -0.083 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2019-04-24 17:50:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 855.10 Mbit/s
95th percentile per-packet one-way delay: 119.070 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 855.10 Mbit/s
95th percentile per-packet one-way delay: 119.070 ms
Loss rate: 0.86%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-04-24 16:15:58

End at: 2019-04-24 16:16:28

Local clock offset: 0.36 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-04-24 17:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 905.57 Mbit/s

95th percentile per-packet one-way delay: 107.938 ms

Loss rate: 0.83%

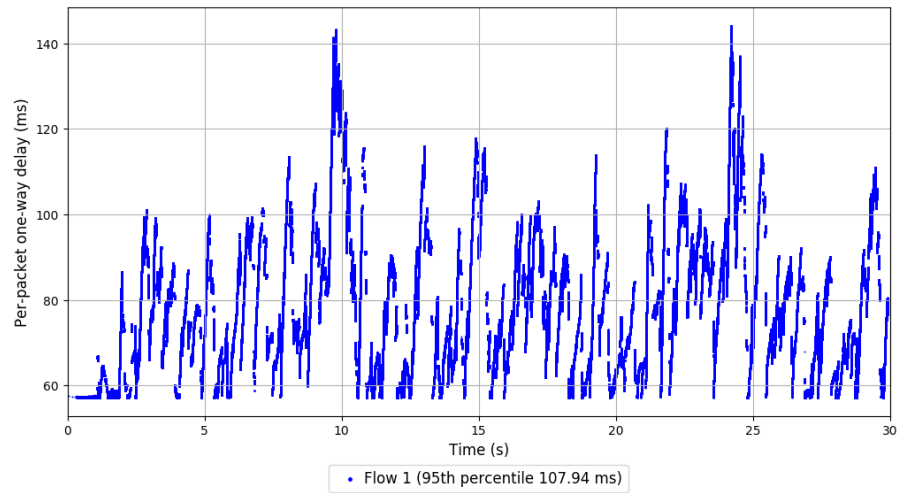
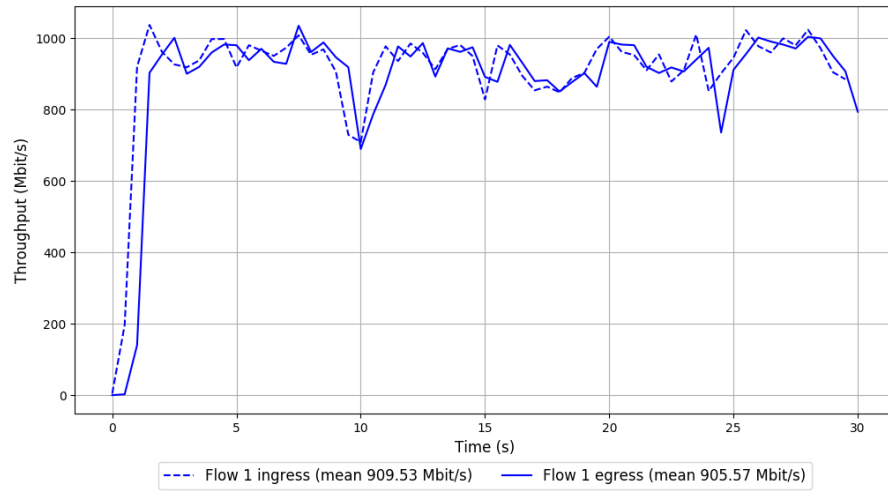
-- Flow 1:

Average throughput: 905.57 Mbit/s

95th percentile per-packet one-way delay: 107.938 ms

Loss rate: 0.83%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-04-24 16:47:39

End at: 2019-04-24 16:48:09

Local clock offset: -0.097 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-04-24 17:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 932.97 Mbit/s

95th percentile per-packet one-way delay: 95.092 ms

Loss rate: 0.47%

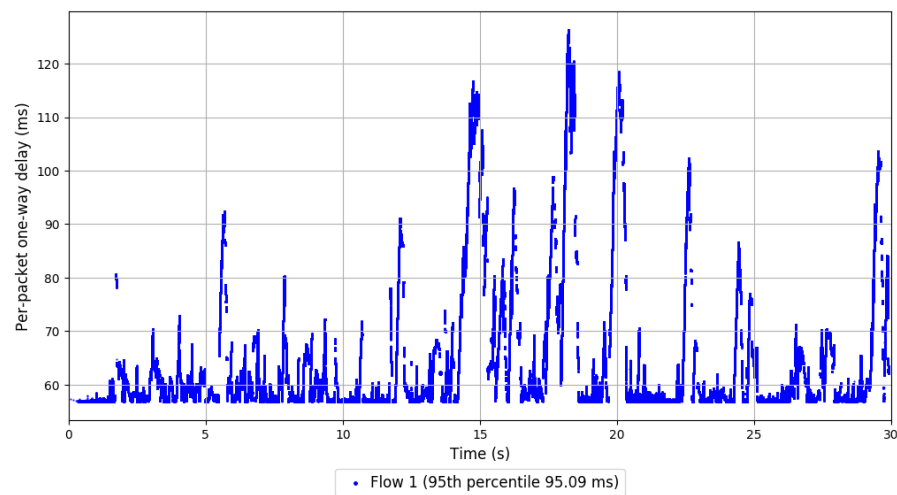
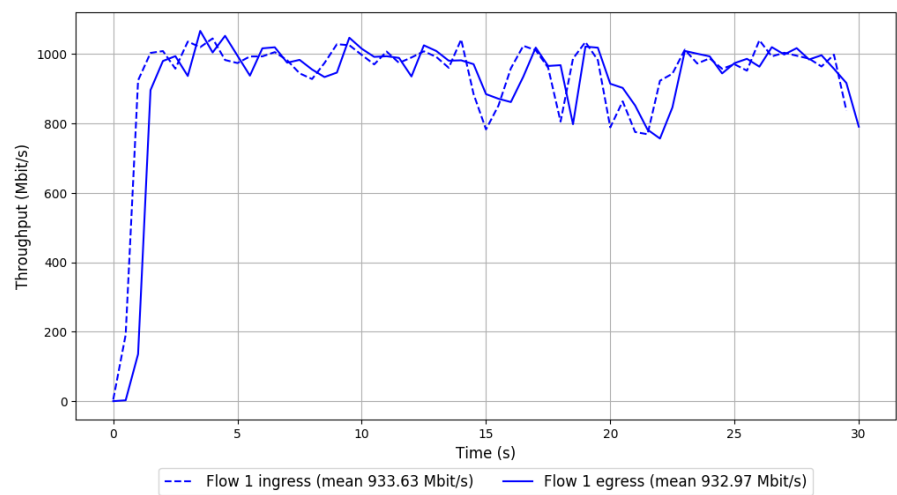
-- Flow 1:

Average throughput: 932.97 Mbit/s

95th percentile per-packet one-way delay: 95.092 ms

Loss rate: 0.47%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-04-24 14:47:44

End at: 2019-04-24 14:48:14

Local clock offset: -0.275 ms

Remote clock offset: -0.158 ms

Below is generated by plot.py at 2019-04-24 17:51:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 911.32 Mbit/s

95th percentile per-packet one-way delay: 93.092 ms

Loss rate: 0.40%

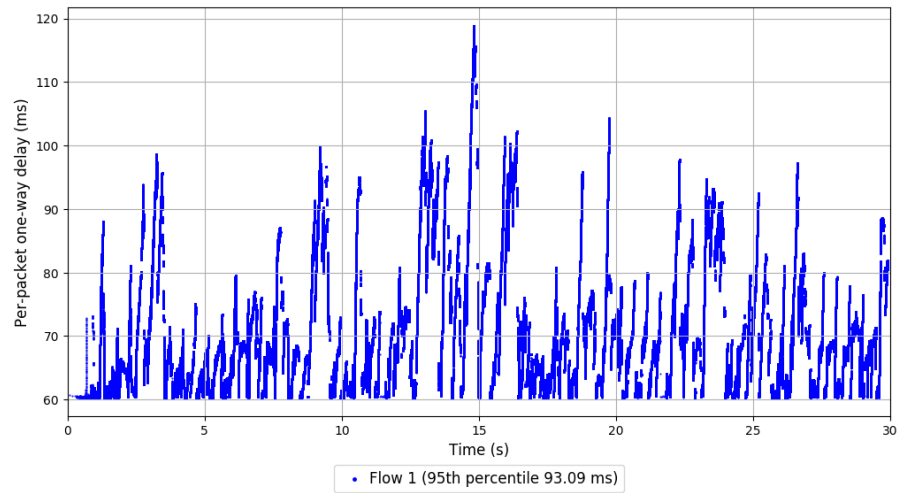
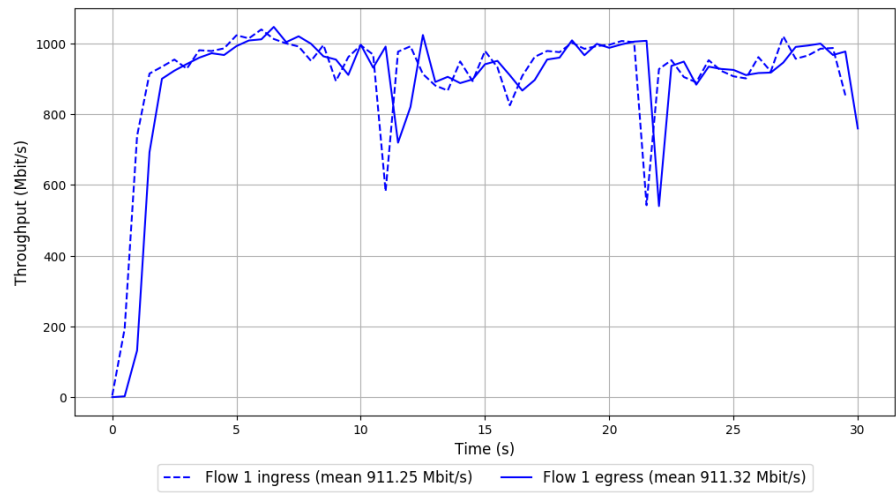
-- Flow 1:

Average throughput: 911.32 Mbit/s

95th percentile per-packet one-way delay: 93.092 ms

Loss rate: 0.40%

Run 1: Report of FillP-Sheep — Data Link

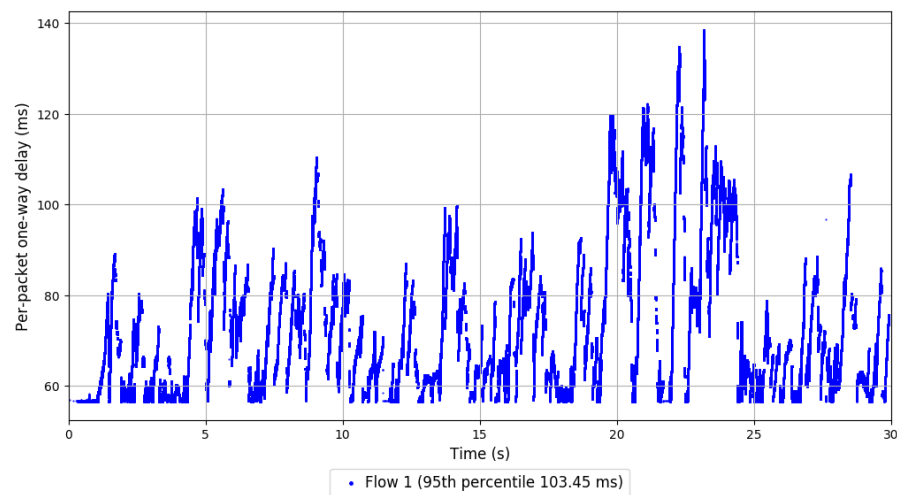
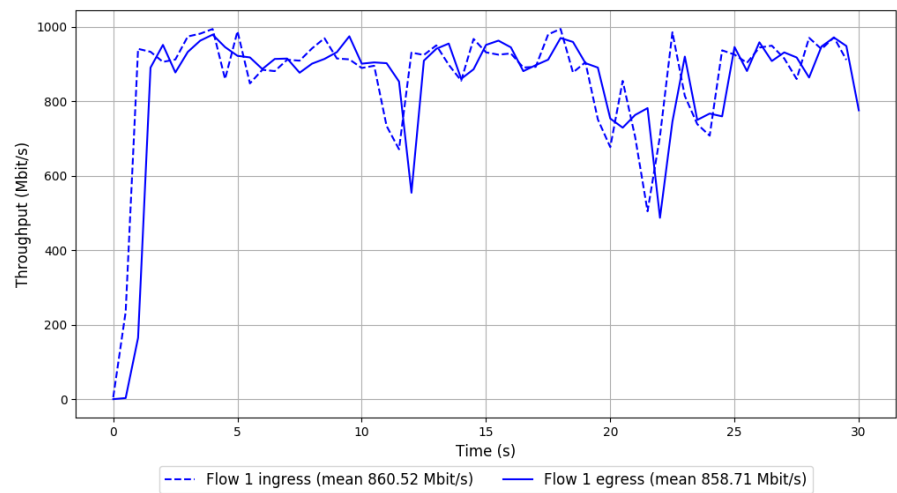


Run 2: Statistics of FillP-Sheep

Start at: 2019-04-24 15:18:42
End at: 2019-04-24 15:19:12
Local clock offset: -0.338 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-04-24 17:51:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 858.71 Mbit/s
95th percentile per-packet one-way delay: 103.449 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 858.71 Mbit/s
95th percentile per-packet one-way delay: 103.449 ms
Loss rate: 0.60%

Run 2: Report of FillP-Sheep — Data Link

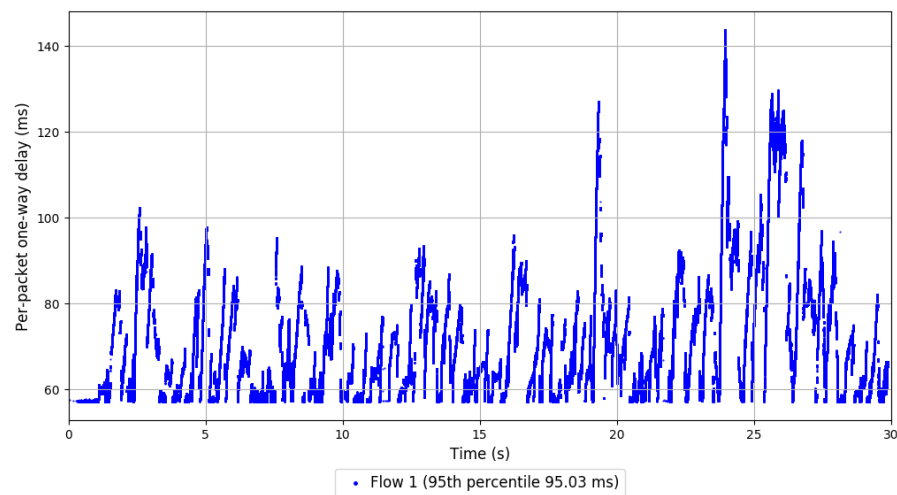
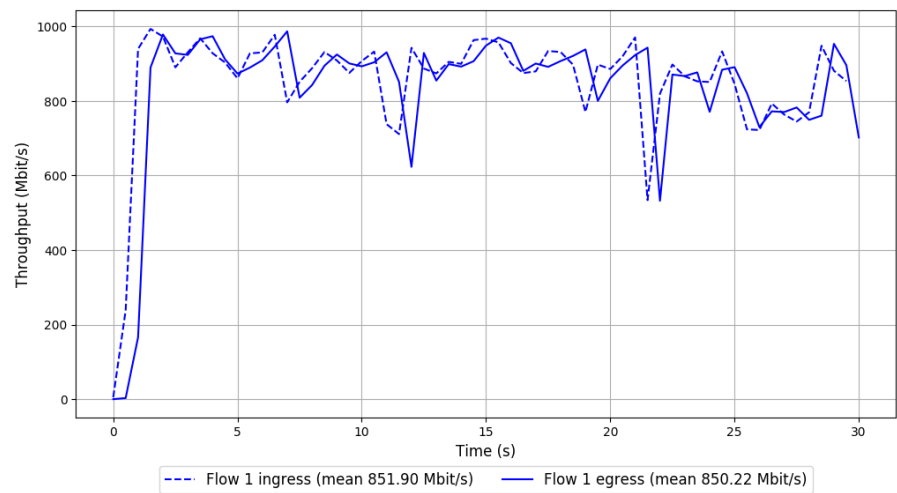


Run 3: Statistics of FillP-Sheep

Start at: 2019-04-24 15:49:39
End at: 2019-04-24 15:50:09
Local clock offset: -0.124 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-04-24 17:51:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 850.22 Mbit/s
95th percentile per-packet one-way delay: 95.029 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 850.22 Mbit/s
95th percentile per-packet one-way delay: 95.029 ms
Loss rate: 0.59%

Run 3: Report of FillP-Sheep — Data Link

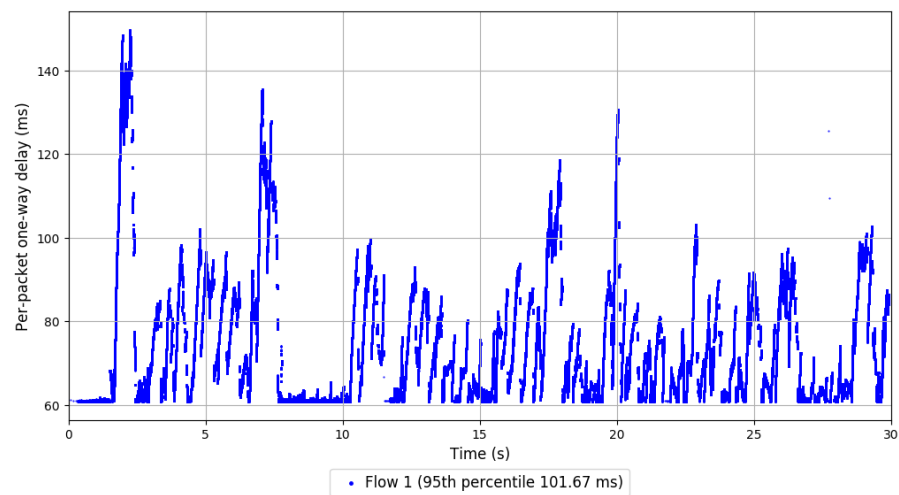
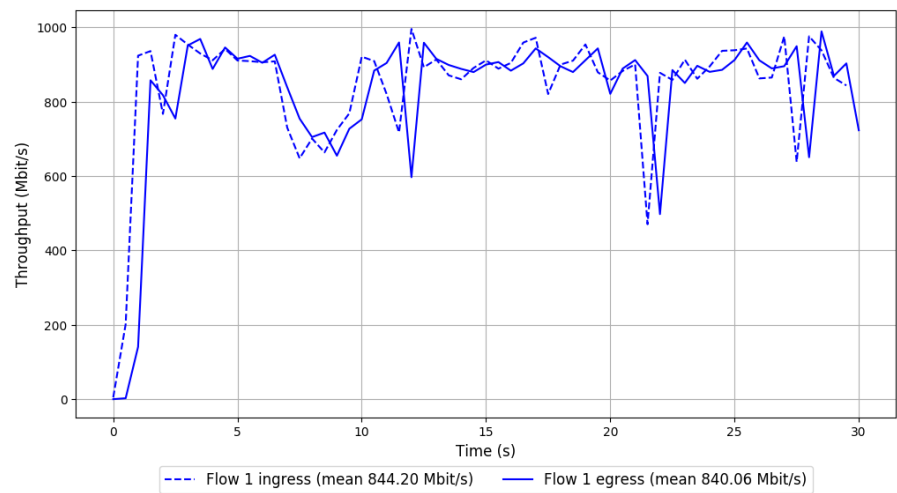


Run 4: Statistics of FillP-Sheep

Start at: 2019-04-24 16:20:53
End at: 2019-04-24 16:21:23
Local clock offset: 0.193 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-04-24 18:02:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.06 Mbit/s
95th percentile per-packet one-way delay: 101.668 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 840.06 Mbit/s
95th percentile per-packet one-way delay: 101.668 ms
Loss rate: 0.90%

Run 4: Report of FillP-Sheep — Data Link

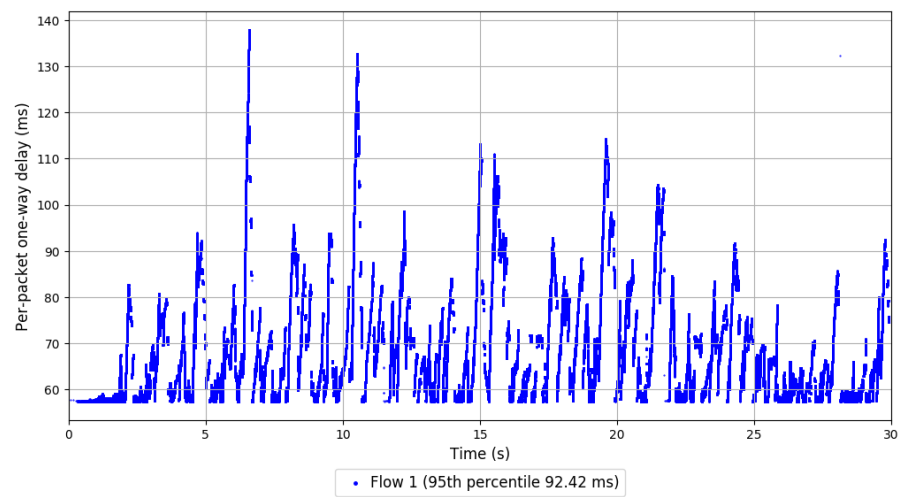
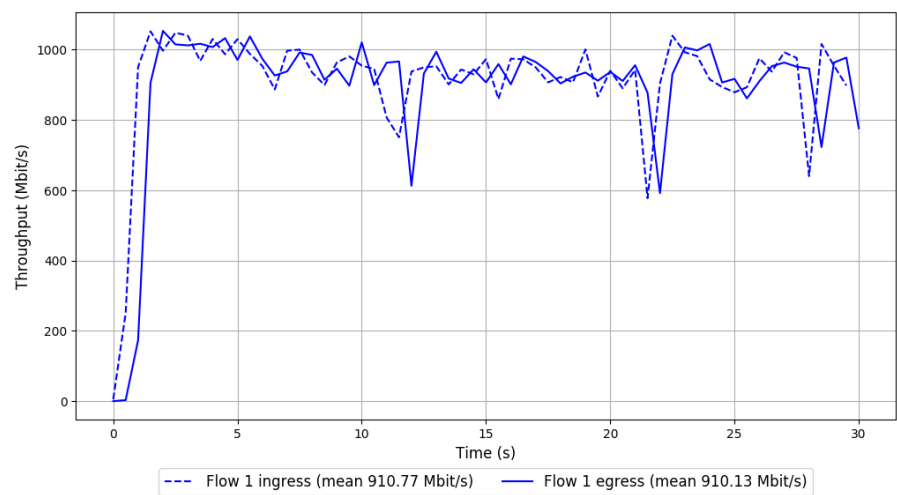


Run 5: Statistics of FillP-Sheep

Start at: 2019-04-24 16:52:42
End at: 2019-04-24 16:53:12
Local clock offset: -0.112 ms
Remote clock offset: -0.728 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 910.13 Mbit/s
95th percentile per-packet one-way delay: 92.421 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 910.13 Mbit/s
95th percentile per-packet one-way delay: 92.421 ms
Loss rate: 0.46%

Run 5: Report of FillP-Sheep — Data Link

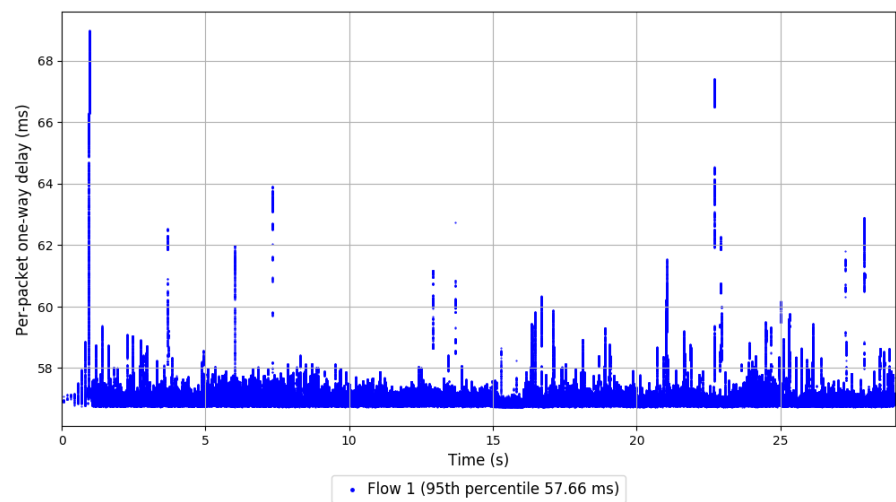
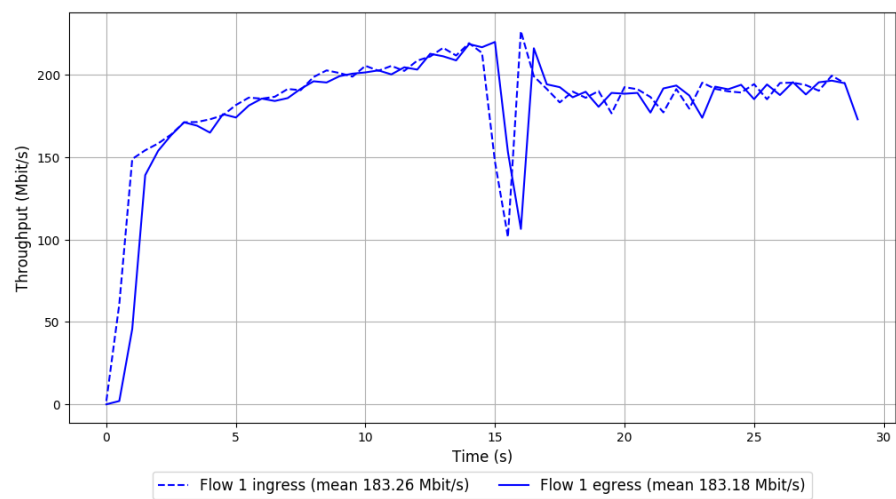


Run 1: Statistics of Indigo

Start at: 2019-04-24 14:44:45
End at: 2019-04-24 14:45:15
Local clock offset: -0.322 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.18 Mbit/s
95th percentile per-packet one-way delay: 57.656 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 183.18 Mbit/s
95th percentile per-packet one-way delay: 57.656 ms
Loss rate: 0.43%

Run 1: Report of Indigo — Data Link

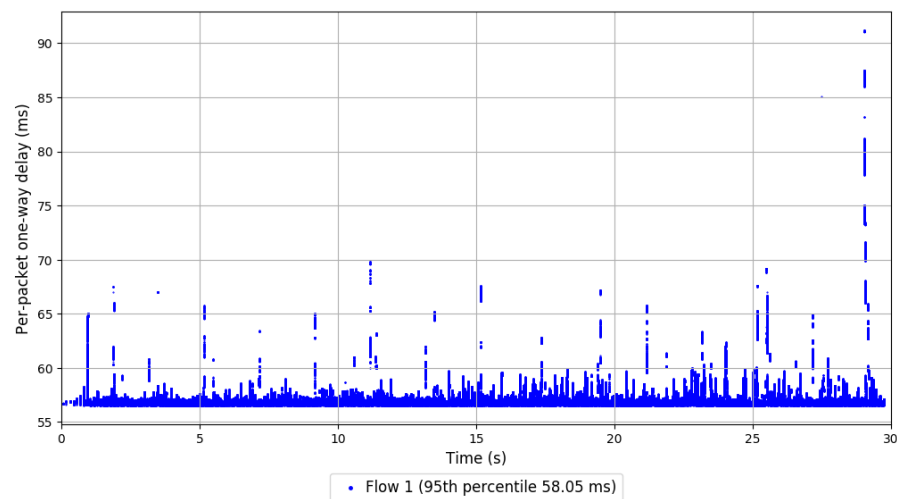
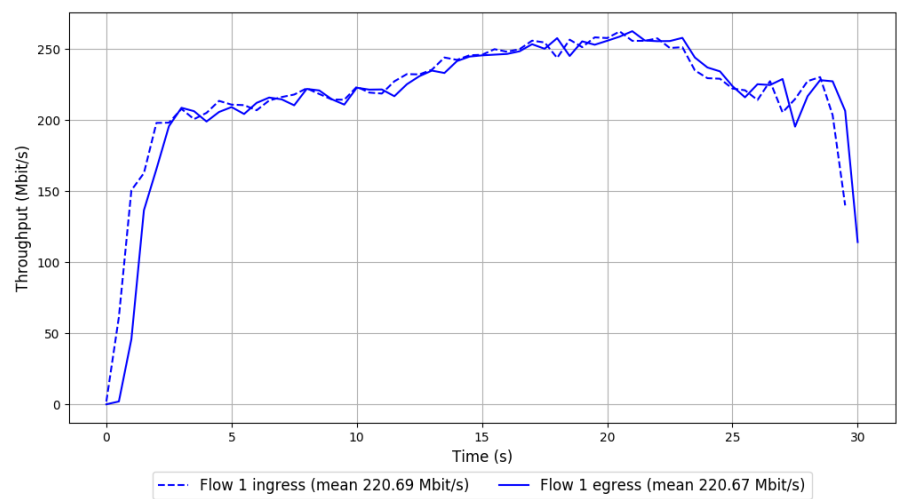


Run 2: Statistics of Indigo

Start at: 2019-04-24 15:15:29
End at: 2019-04-24 15:15:59
Local clock offset: -0.543 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.67 Mbit/s
95th percentile per-packet one-way delay: 58.054 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 220.67 Mbit/s
95th percentile per-packet one-way delay: 58.054 ms
Loss rate: 0.40%

Run 2: Report of Indigo — Data Link

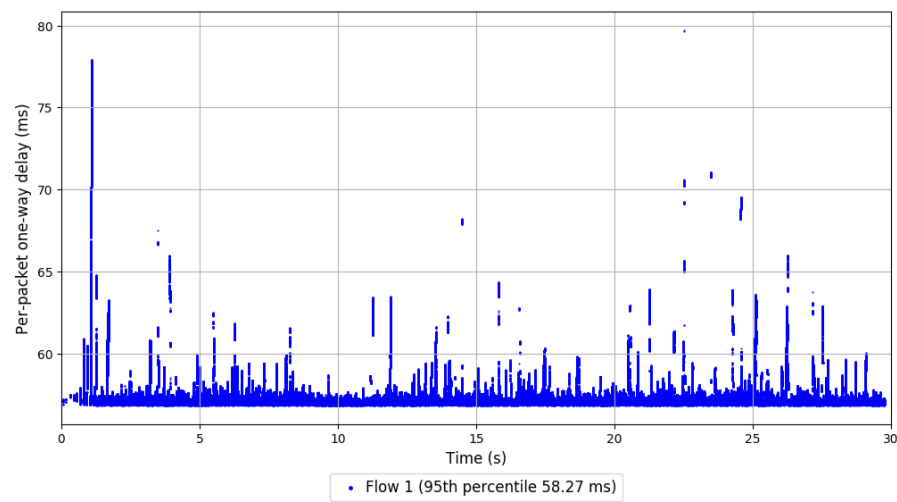
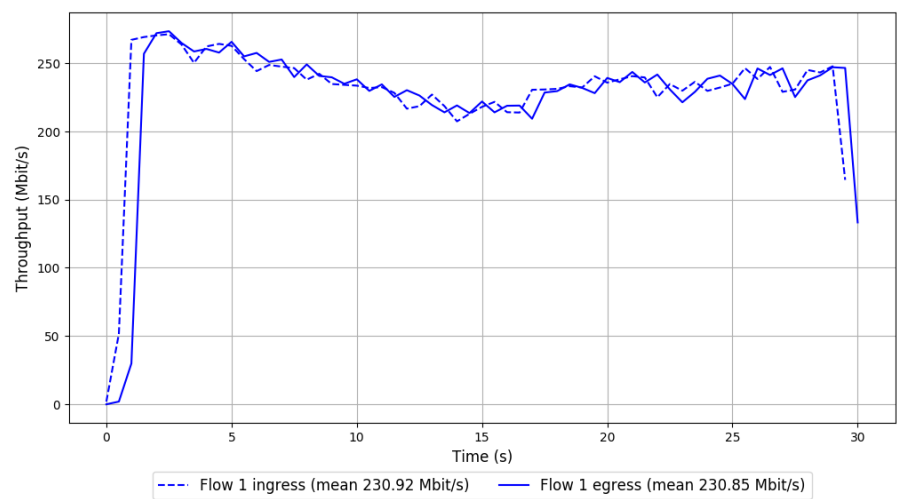


Run 3: Statistics of Indigo

Start at: 2019-04-24 15:46:33
End at: 2019-04-24 15:47:03
Local clock offset: -0.252 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.85 Mbit/s
95th percentile per-packet one-way delay: 58.269 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 230.85 Mbit/s
95th percentile per-packet one-way delay: 58.269 ms
Loss rate: 0.42%

Run 3: Report of Indigo — Data Link

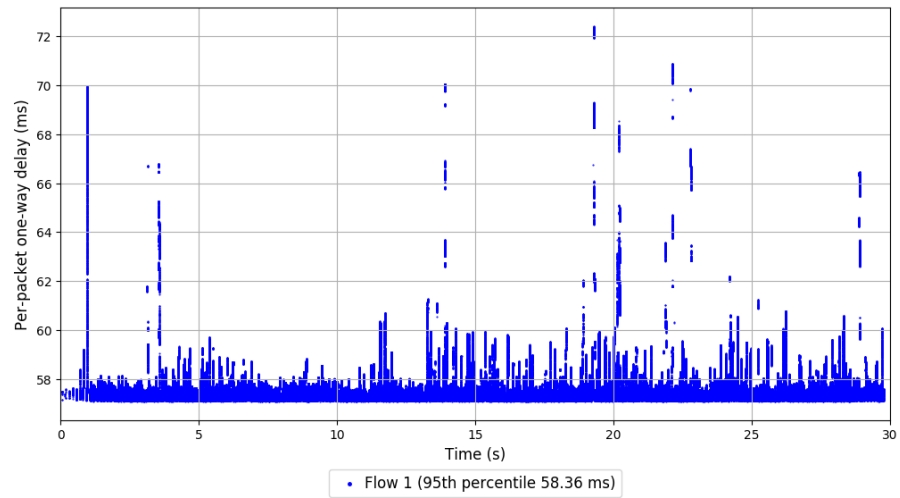
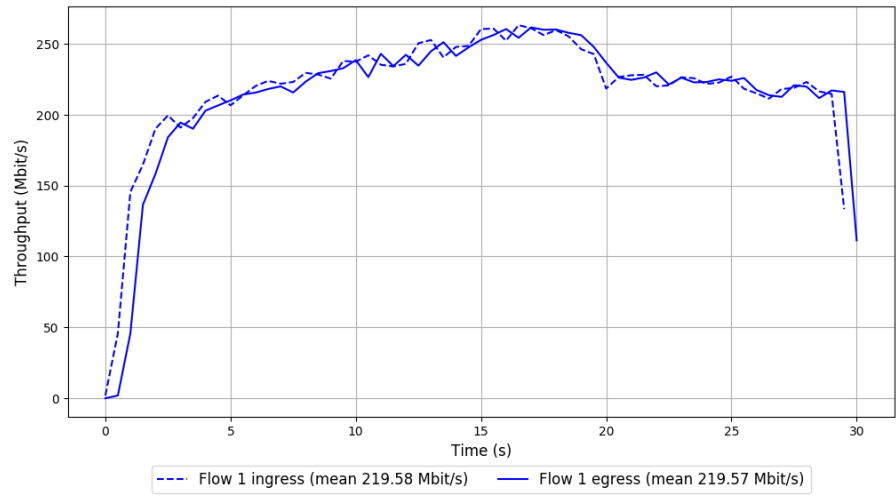


Run 4: Statistics of Indigo

Start at: 2019-04-24 16:17:45
End at: 2019-04-24 16:18:16
Local clock offset: -0.261 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.57 Mbit/s
95th percentile per-packet one-way delay: 58.356 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 219.57 Mbit/s
95th percentile per-packet one-way delay: 58.356 ms
Loss rate: 0.40%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-04-24 16:49:37

End at: 2019-04-24 16:50:07

Local clock offset: -0.123 ms

Remote clock offset: 0.49 ms

Below is generated by plot.py at 2019-04-24 18:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.75 Mbit/s

95th percentile per-packet one-way delay: 61.322 ms

Loss rate: 0.43%

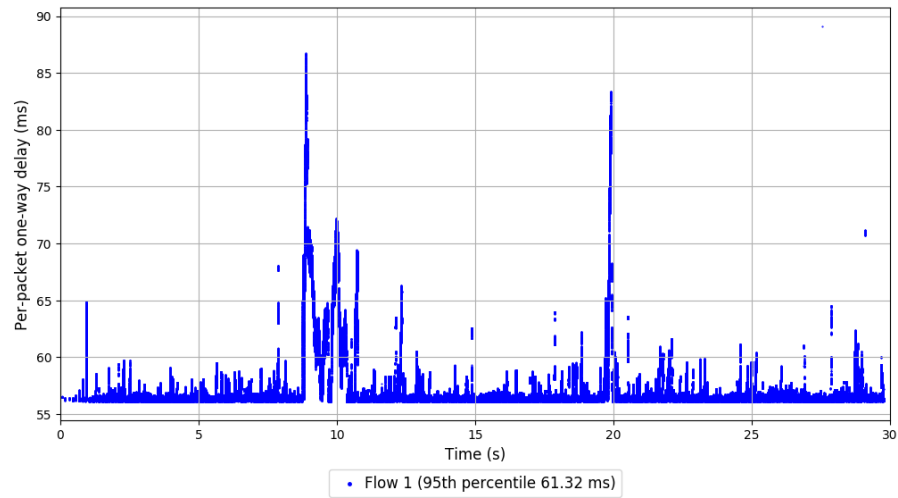
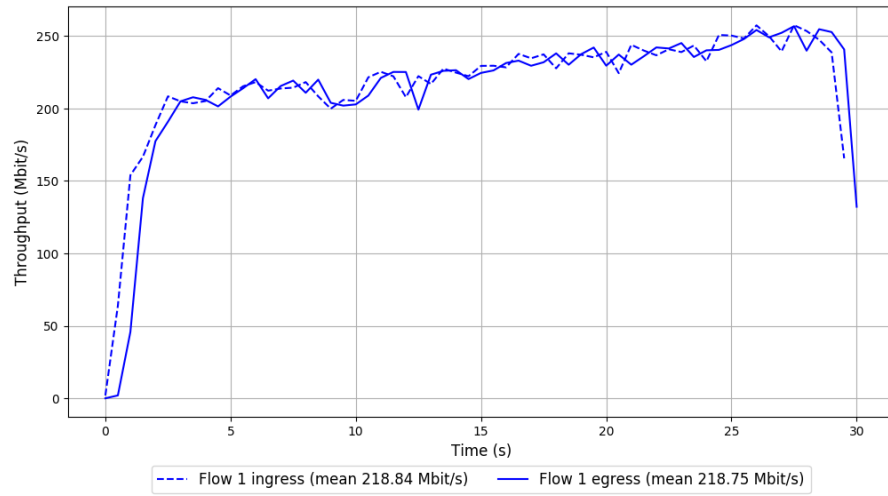
-- Flow 1:

Average throughput: 218.75 Mbit/s

95th percentile per-packet one-way delay: 61.322 ms

Loss rate: 0.43%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-04-24 14:52:07

End at: 2019-04-24 14:52:37

Local clock offset: 0.187 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2019-04-24 18:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.65 Mbit/s

95th percentile per-packet one-way delay: 73.595 ms

Loss rate: 0.53%

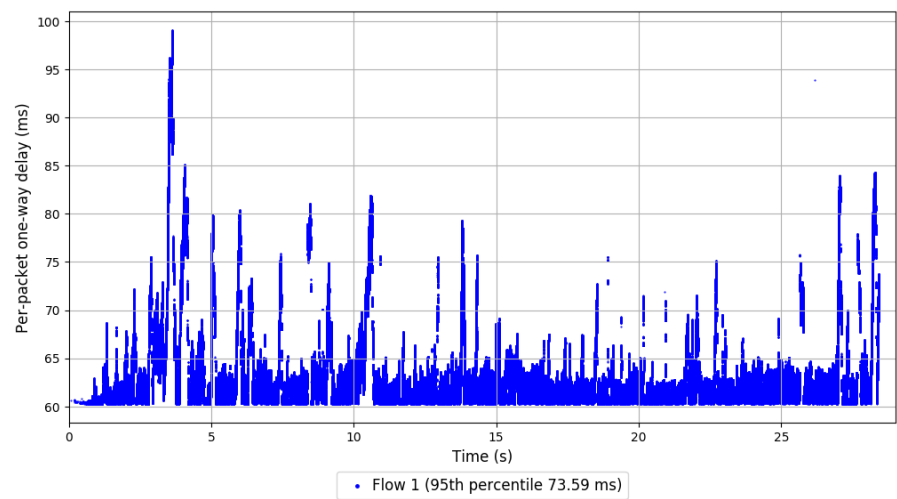
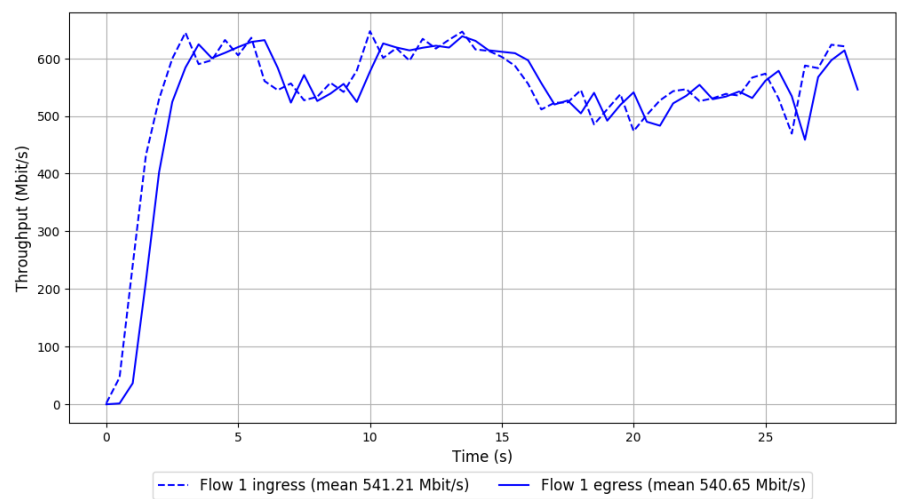
-- Flow 1:

Average throughput: 540.65 Mbit/s

95th percentile per-packet one-way delay: 73.595 ms

Loss rate: 0.53%

Run 1: Report of Indigo-MusesC3 — Data Link

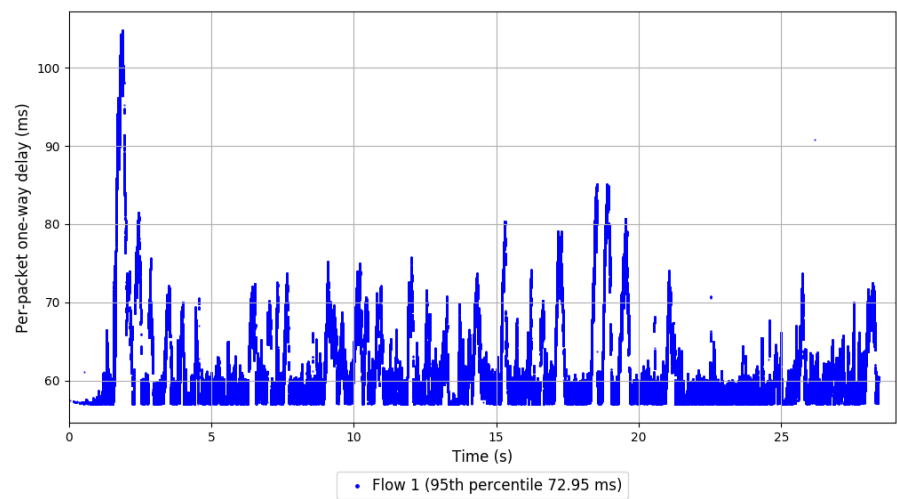
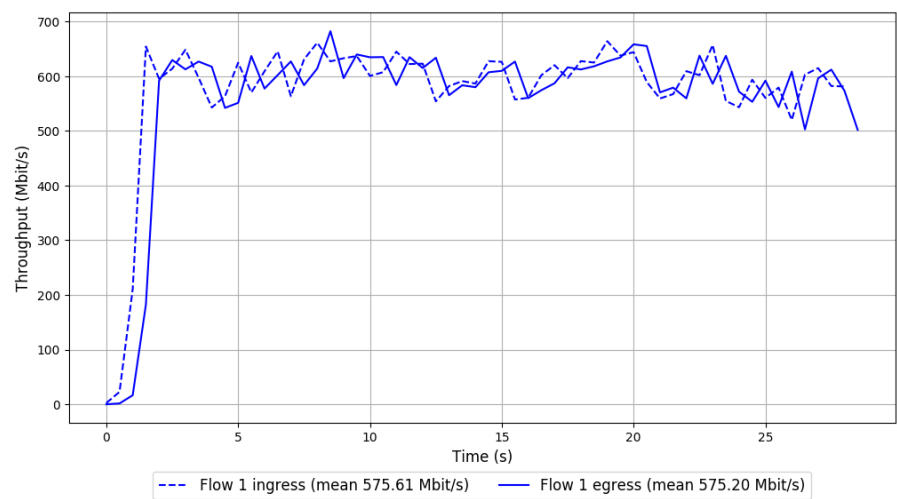


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-04-24 15:23:07
End at: 2019-04-24 15:23:37
Local clock offset: -0.113 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.20 Mbit/s
95th percentile per-packet one-way delay: 72.952 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 575.20 Mbit/s
95th percentile per-packet one-way delay: 72.952 ms
Loss rate: 0.49%

Run 2: Report of Indigo-MusesC3 — Data Link

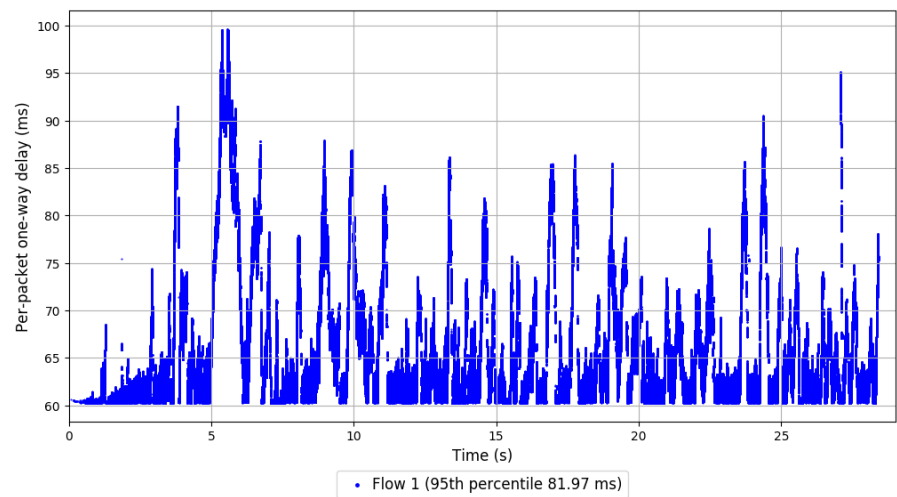
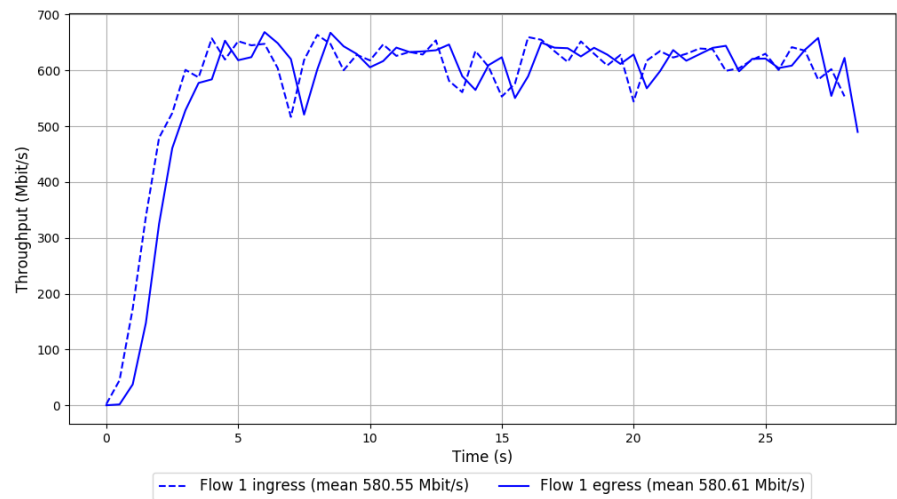


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-04-24 15:54:05
End at: 2019-04-24 15:54:35
Local clock offset: -0.356 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 580.61 Mbit/s
95th percentile per-packet one-way delay: 81.969 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 580.61 Mbit/s
95th percentile per-packet one-way delay: 81.969 ms
Loss rate: 0.41%

Run 3: Report of Indigo-MusesC3 — Data Link

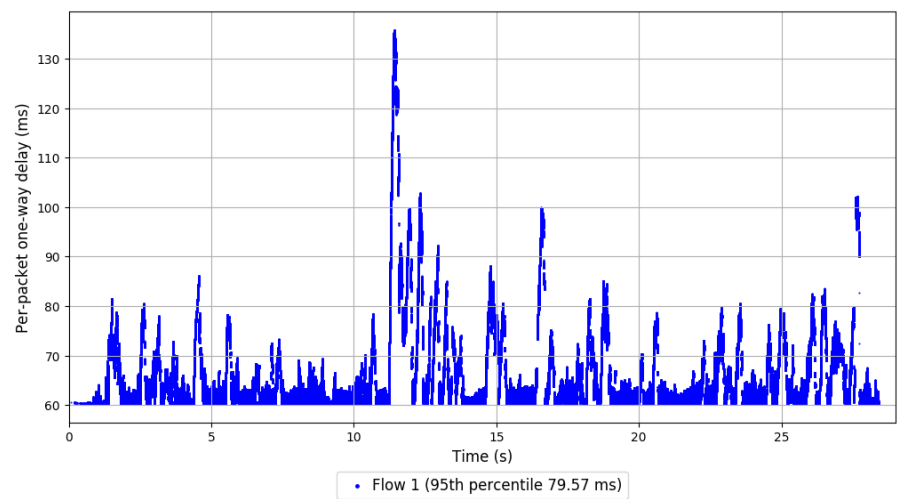
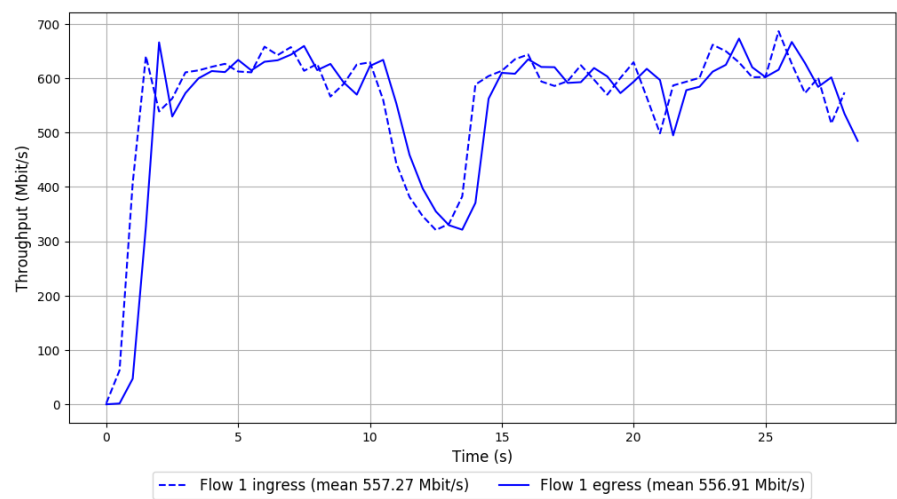


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-04-24 16:25:21
End at: 2019-04-24 16:25:51
Local clock offset: -0.093 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 556.91 Mbit/s
95th percentile per-packet one-way delay: 79.574 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 556.91 Mbit/s
95th percentile per-packet one-way delay: 79.574 ms
Loss rate: 0.49%

Run 4: Report of Indigo-MusesC3 — Data Link

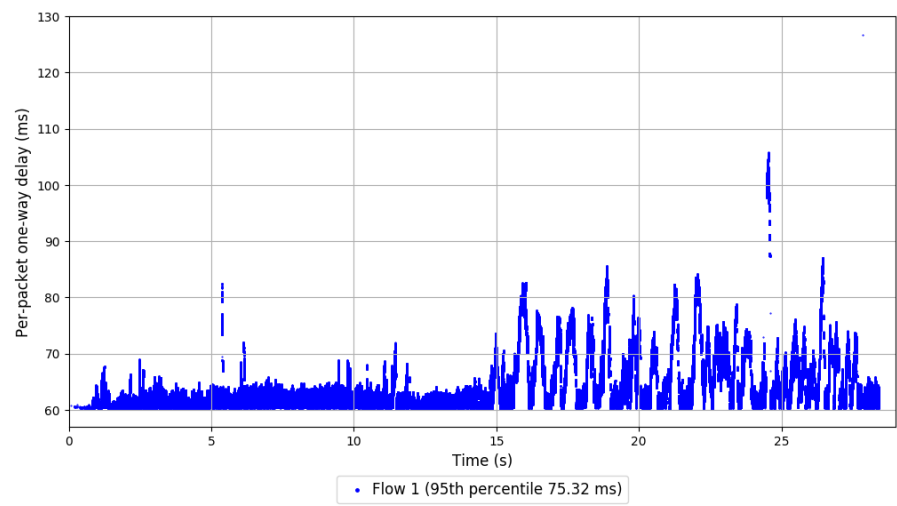
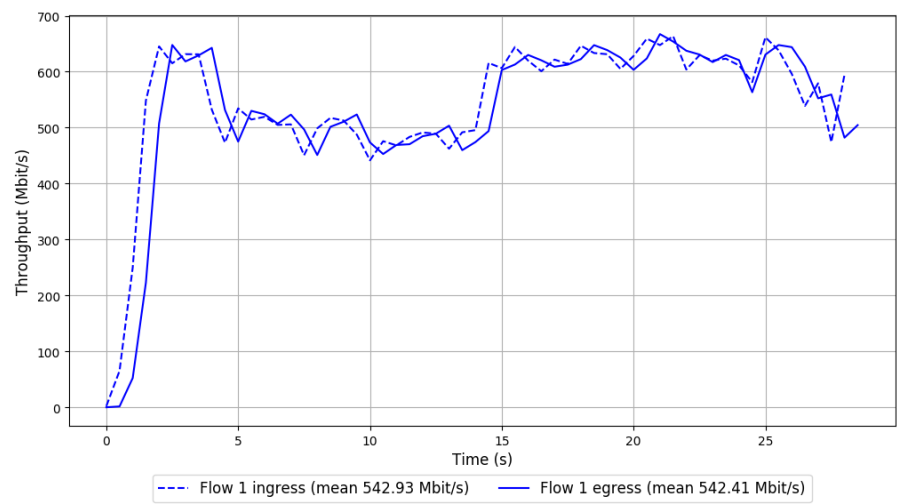


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-04-24 16:57:12
End at: 2019-04-24 16:57:42
Local clock offset: -0.111 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-04-24 18:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 542.41 Mbit/s
95th percentile per-packet one-way delay: 75.317 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 542.41 Mbit/s
95th percentile per-packet one-way delay: 75.317 ms
Loss rate: 0.52%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-04-24 14:32:43

End at: 2019-04-24 14:33:13

Local clock offset: 0.091 ms

Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-04-24 18:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 591.76 Mbit/s

95th percentile per-packet one-way delay: 88.180 ms

Loss rate: 0.48%

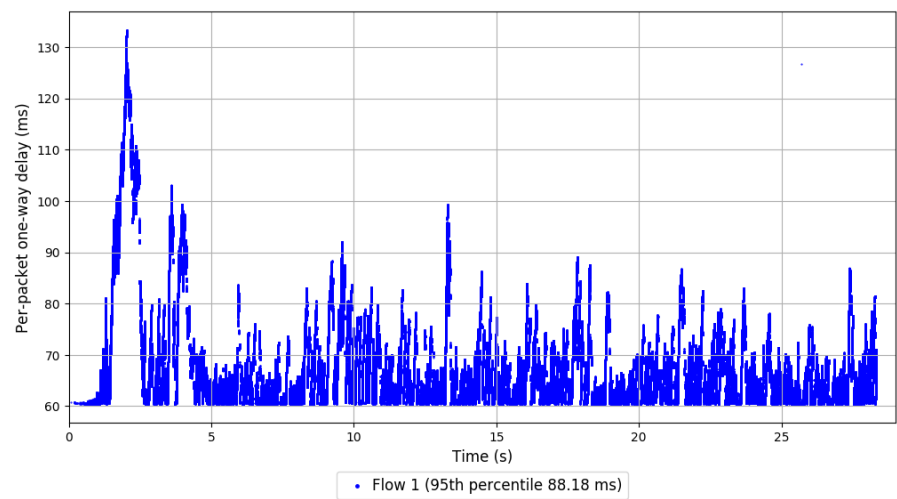
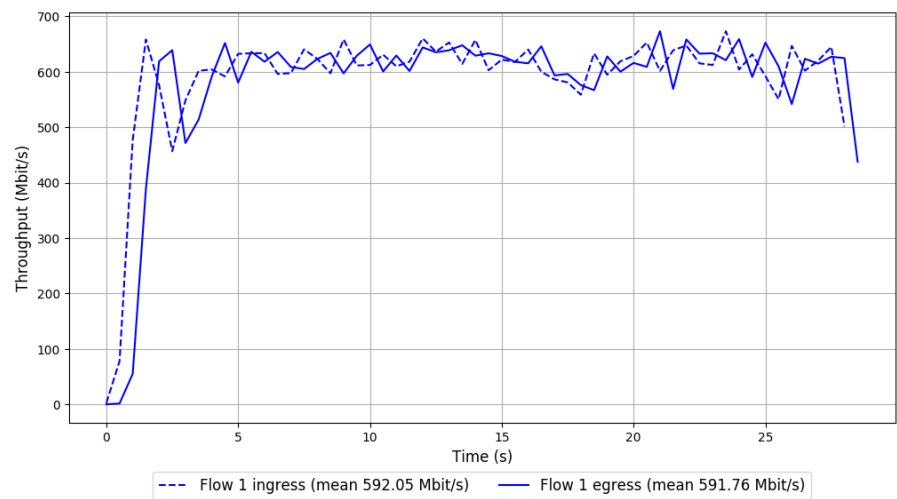
-- Flow 1:

Average throughput: 591.76 Mbit/s

95th percentile per-packet one-way delay: 88.180 ms

Loss rate: 0.48%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-04-24 15:03:23

End at: 2019-04-24 15:03:53

Local clock offset: -0.107 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2019-04-24 18:10:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.42 Mbit/s

95th percentile per-packet one-way delay: 84.894 ms

Loss rate: 0.49%

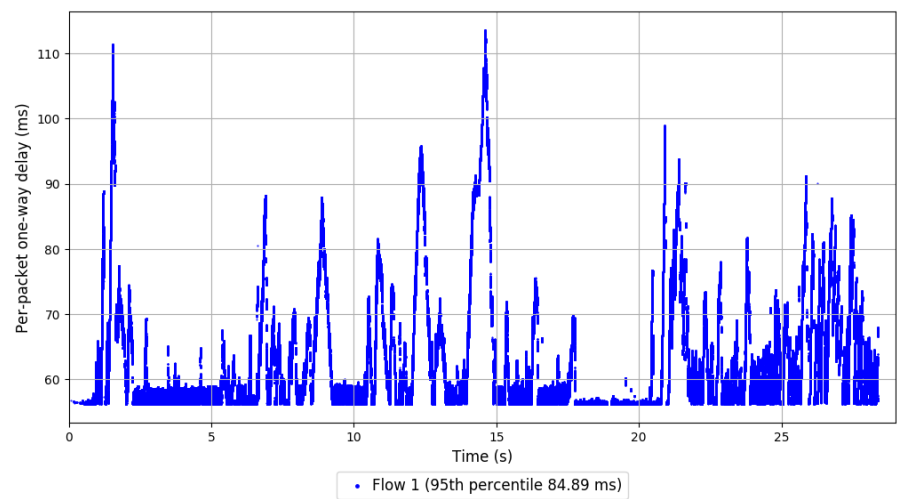
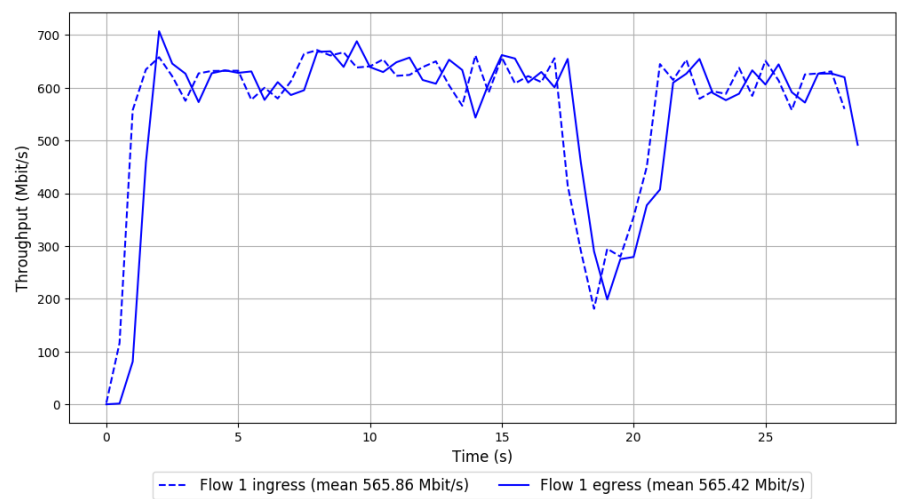
-- Flow 1:

Average throughput: 565.42 Mbit/s

95th percentile per-packet one-way delay: 84.894 ms

Loss rate: 0.49%

Run 2: Report of Indigo-MusesC5 — Data Link

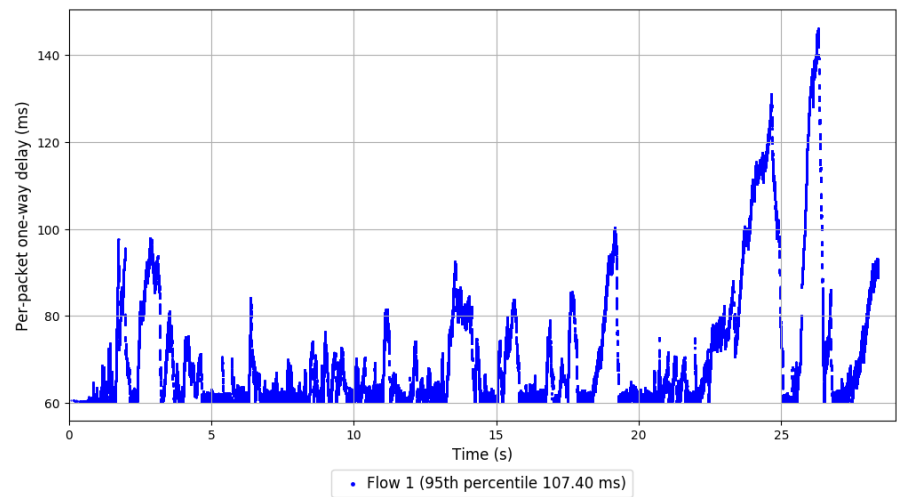
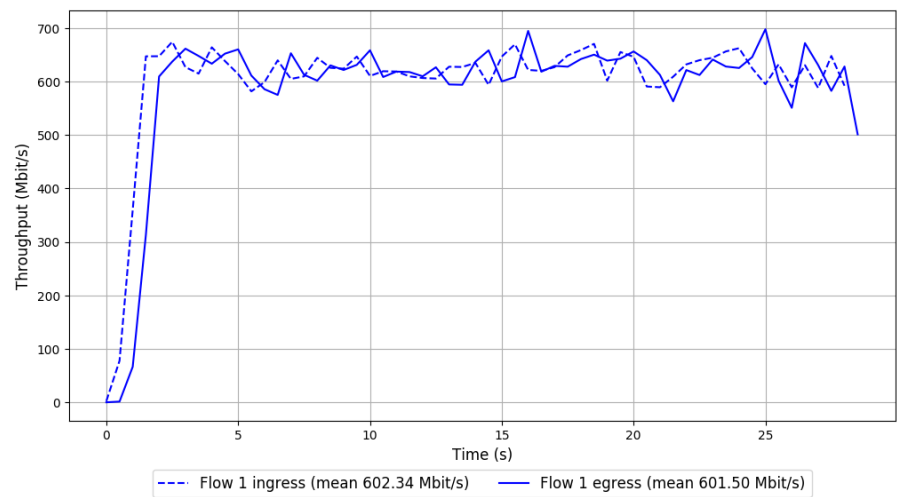


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-04-24 15:34:22
End at: 2019-04-24 15:34:52
Local clock offset: -0.129 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-04-24 18:13:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.50 Mbit/s
95th percentile per-packet one-way delay: 107.398 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 601.50 Mbit/s
95th percentile per-packet one-way delay: 107.398 ms
Loss rate: 0.57%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-04-24 16:05:22

End at: 2019-04-24 16:05:52

Local clock offset: -0.131 ms

Remote clock offset: 0.421 ms

Below is generated by plot.py at 2019-04-24 18:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.09 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.52%

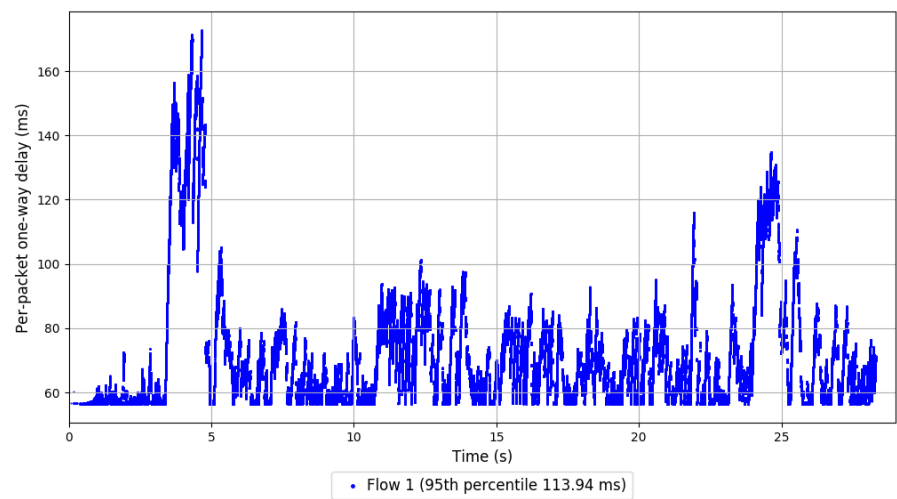
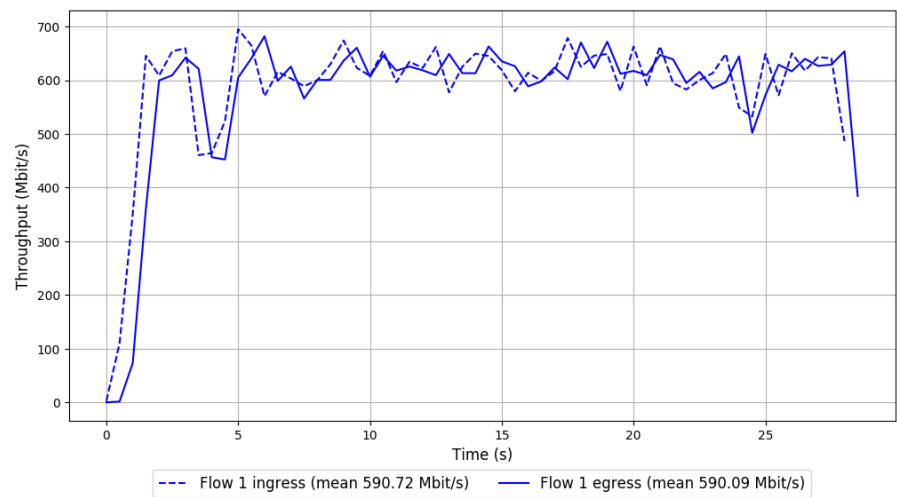
-- Flow 1:

Average throughput: 590.09 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.52%

Run 4: Report of Indigo-MusesC5 — Data Link

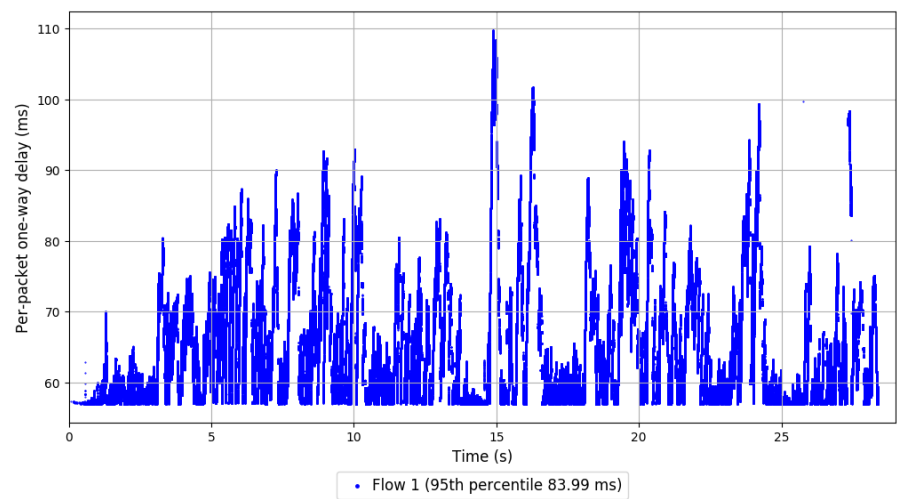
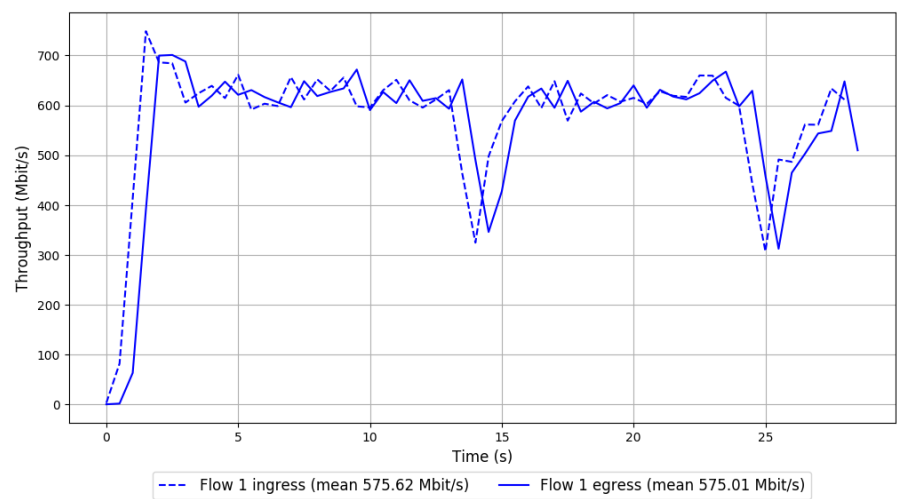


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-04-24 16:36:47
End at: 2019-04-24 16:37:17
Local clock offset: -0.096 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-04-24 18:17:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.01 Mbit/s
95th percentile per-packet one-way delay: 83.992 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 575.01 Mbit/s
95th percentile per-packet one-way delay: 83.992 ms
Loss rate: 0.52%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-04-24 14:34:18

End at: 2019-04-24 14:34:48

Local clock offset: 0.341 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-04-24 18:17:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.76 Mbit/s

95th percentile per-packet one-way delay: 88.513 ms

Loss rate: 0.60%

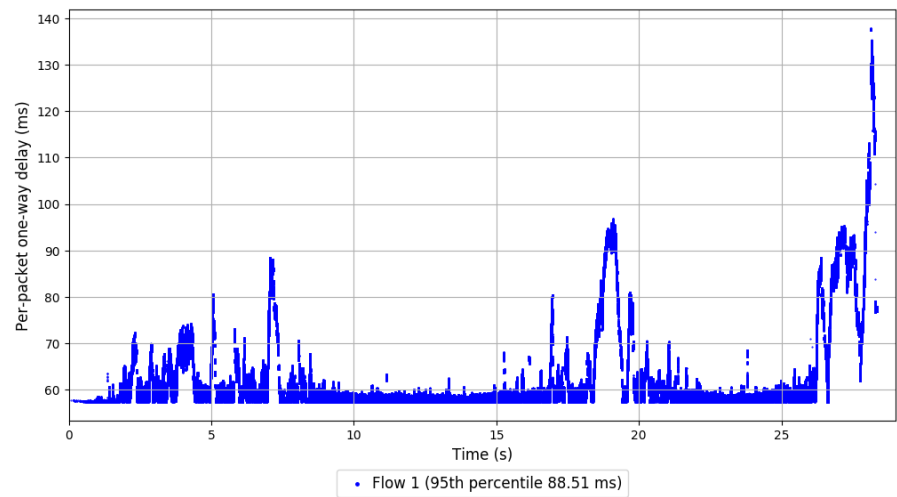
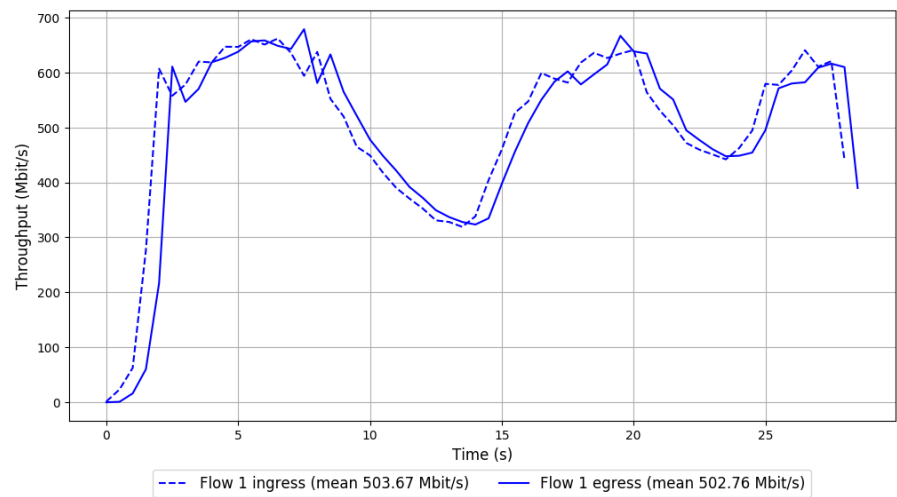
-- Flow 1:

Average throughput: 502.76 Mbit/s

95th percentile per-packet one-way delay: 88.513 ms

Loss rate: 0.60%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-04-24 15:04:57

End at: 2019-04-24 15:05:27

Local clock offset: -0.36 ms

Remote clock offset: -0.168 ms

Below is generated by plot.py at 2019-04-24 18:17:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 437.78 Mbit/s

95th percentile per-packet one-way delay: 91.095 ms

Loss rate: 0.61%

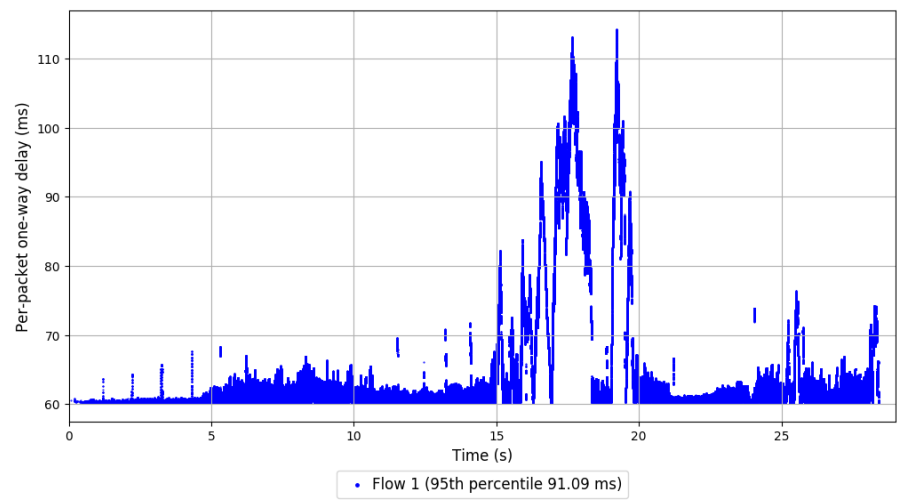
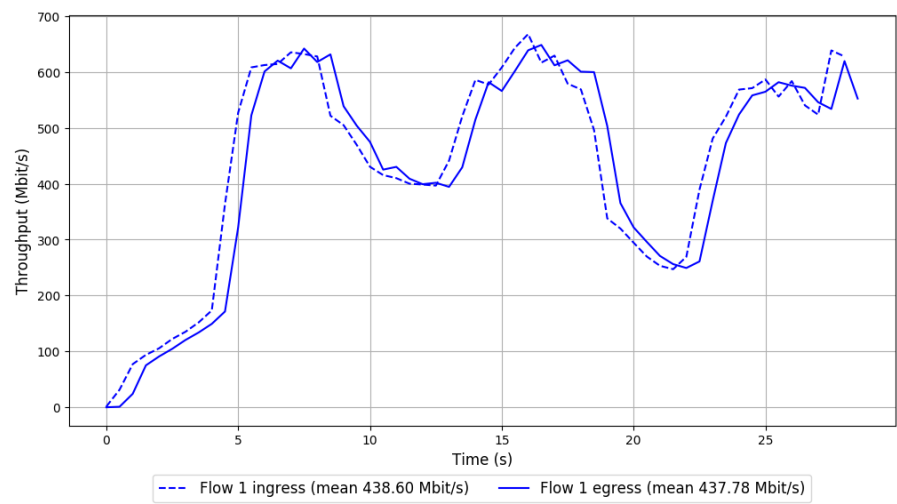
-- Flow 1:

Average throughput: 437.78 Mbit/s

95th percentile per-packet one-way delay: 91.095 ms

Loss rate: 0.61%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-04-24 15:35:58

End at: 2019-04-24 15:36:28

Local clock offset: -0.568 ms

Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-04-24 18:17:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.49 Mbit/s

95th percentile per-packet one-way delay: 66.479 ms

Loss rate: 0.50%

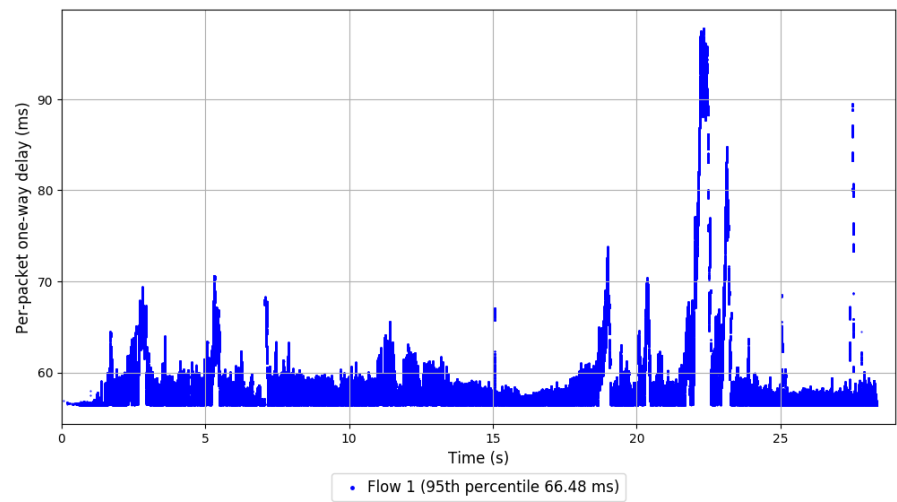
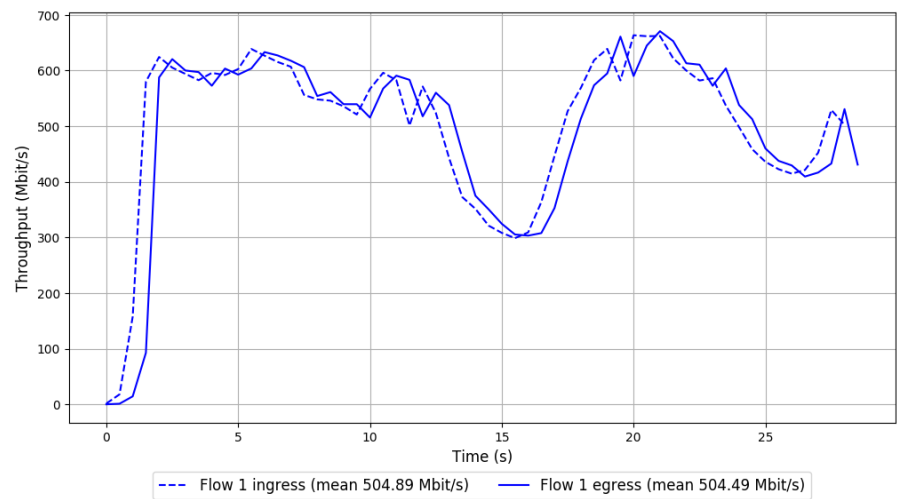
-- Flow 1:

Average throughput: 504.49 Mbit/s

95th percentile per-packet one-way delay: 66.479 ms

Loss rate: 0.50%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-04-24 16:06:58

End at: 2019-04-24 16:07:28

Local clock offset: -0.068 ms

Remote clock offset: -0.356 ms

Below is generated by plot.py at 2019-04-24 18:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.07 Mbit/s

95th percentile per-packet one-way delay: 85.692 ms

Loss rate: 0.60%

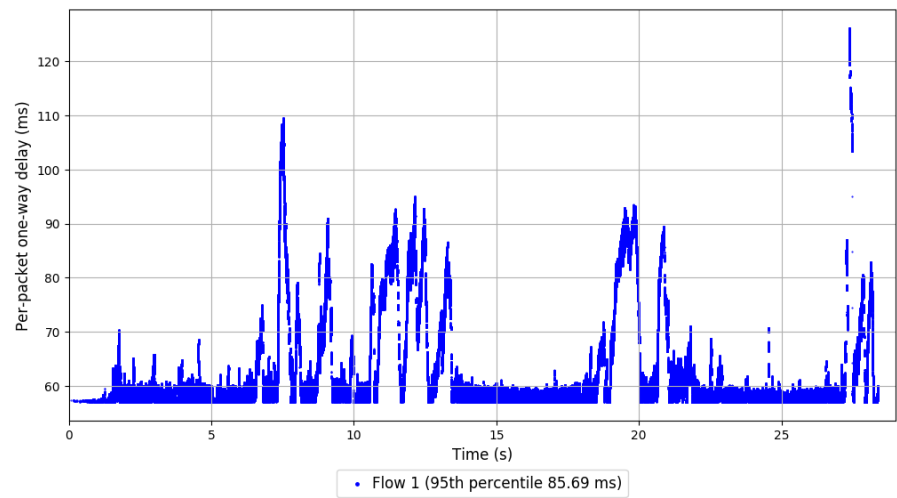
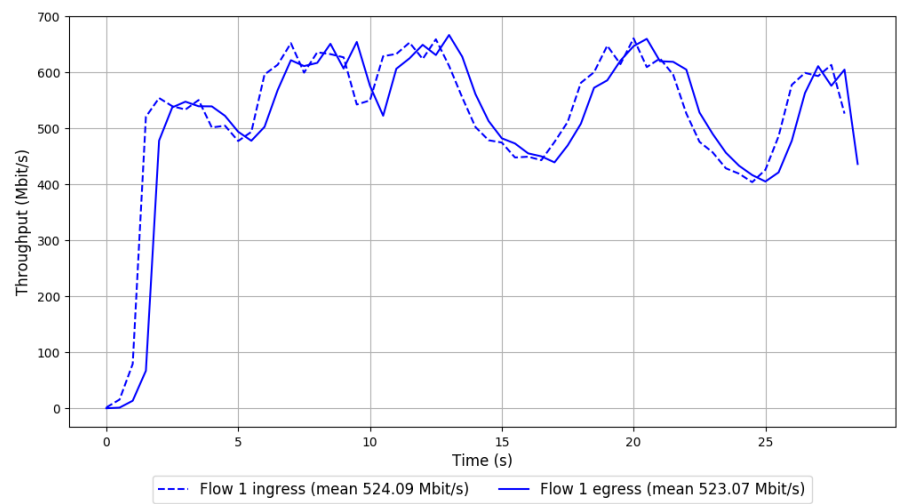
-- Flow 1:

Average throughput: 523.07 Mbit/s

95th percentile per-packet one-way delay: 85.692 ms

Loss rate: 0.60%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-04-24 16:38:24

End at: 2019-04-24 16:38:54

Local clock offset: 0.326 ms

Remote clock offset: -0.136 ms

Below is generated by plot.py at 2019-04-24 18:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.78 Mbit/s

95th percentile per-packet one-way delay: 89.394 ms

Loss rate: 0.50%

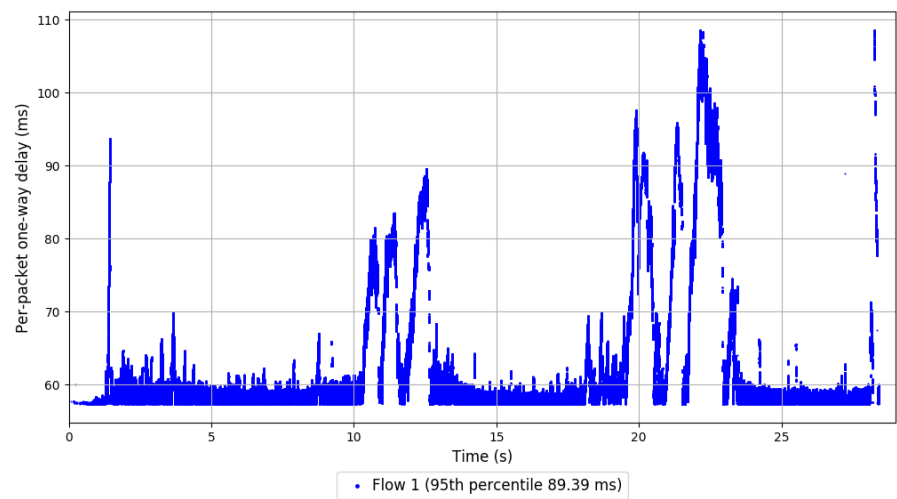
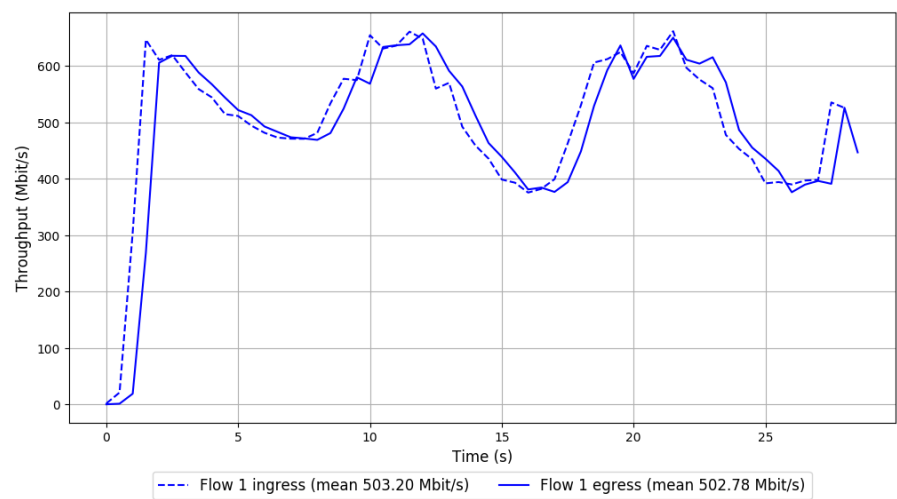
-- Flow 1:

Average throughput: 502.78 Mbit/s

95th percentile per-packet one-way delay: 89.394 ms

Loss rate: 0.50%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-04-24 14:38:43

End at: 2019-04-24 14:39:13

Local clock offset: 0.014 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-04-24 18:24:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 608.69 Mbit/s

95th percentile per-packet one-way delay: 118.646 ms

Loss rate: 0.55%

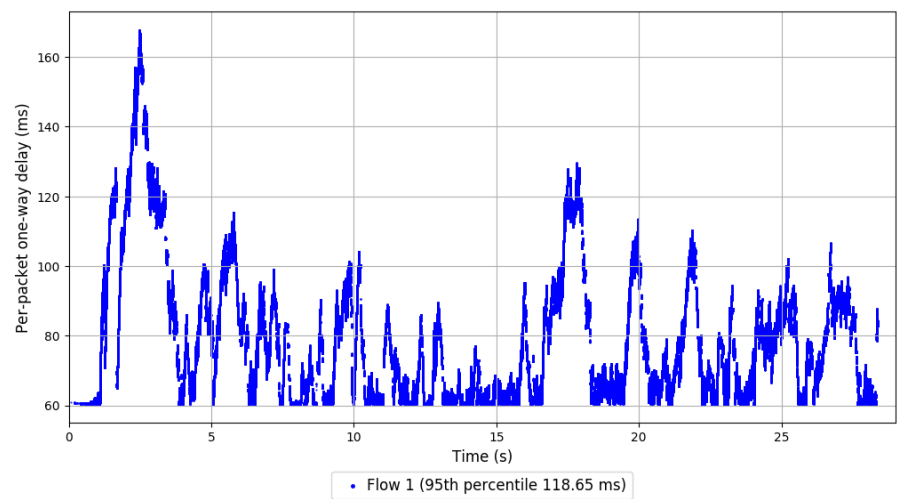
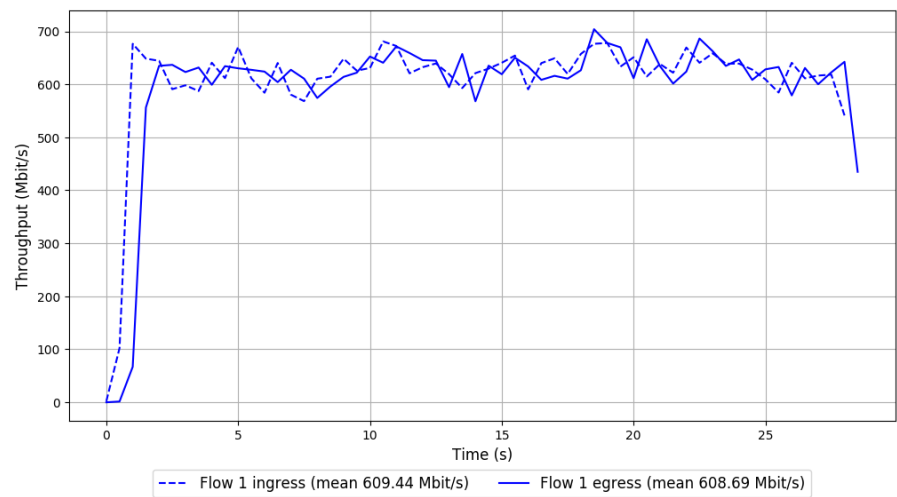
-- Flow 1:

Average throughput: 608.69 Mbit/s

95th percentile per-packet one-way delay: 118.646 ms

Loss rate: 0.55%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-04-24 15:09:26

End at: 2019-04-24 15:09:56

Local clock offset: 0.287 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2019-04-24 18:25:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 625.95 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.60%

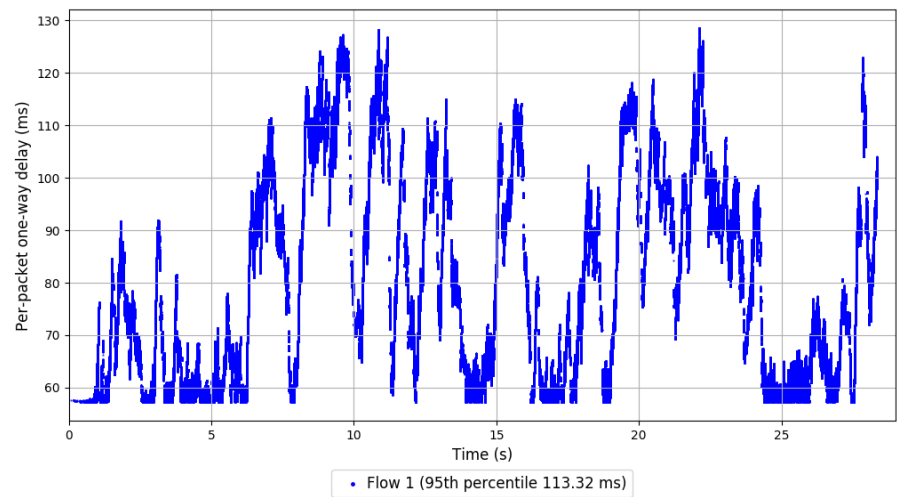
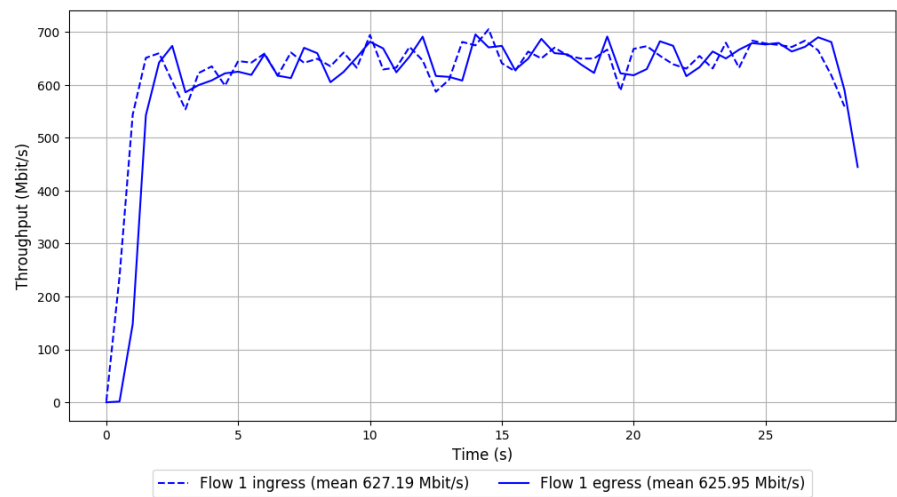
-- Flow 1:

Average throughput: 625.95 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.60%

Run 2: Report of Indigo-MusesT — Data Link

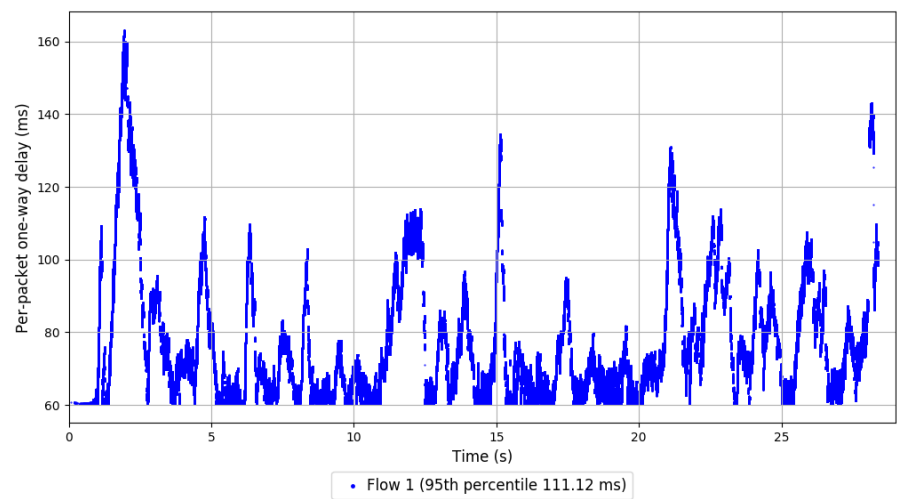
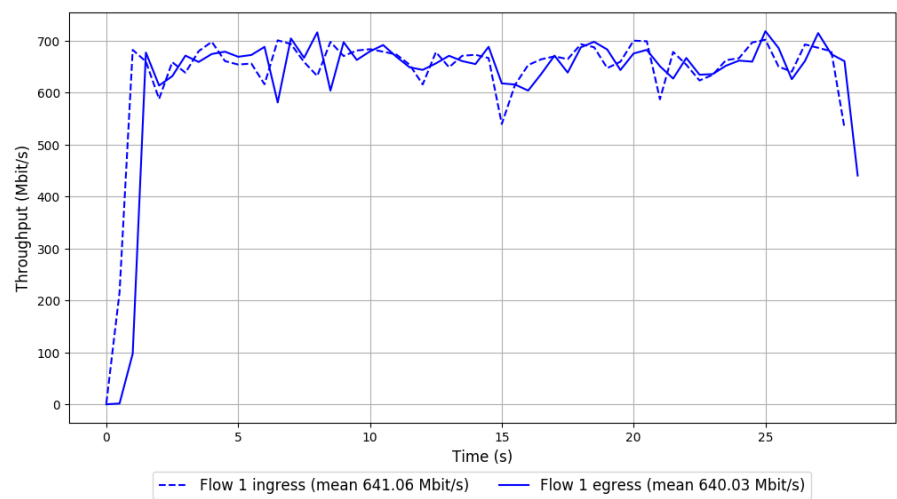


Run 3: Statistics of Indigo-MusesT

Start at: 2019-04-24 15:40:32
End at: 2019-04-24 15:41:02
Local clock offset: -0.318 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2019-04-24 18:26:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 640.03 Mbit/s
95th percentile per-packet one-way delay: 111.116 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 640.03 Mbit/s
95th percentile per-packet one-way delay: 111.116 ms
Loss rate: 0.58%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-04-24 16:11:32

End at: 2019-04-24 16:12:02

Local clock offset: 0.347 ms

Remote clock offset: -0.825 ms

Below is generated by plot.py at 2019-04-24 18:26:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 638.08 Mbit/s

95th percentile per-packet one-way delay: 126.614 ms

Loss rate: 0.55%

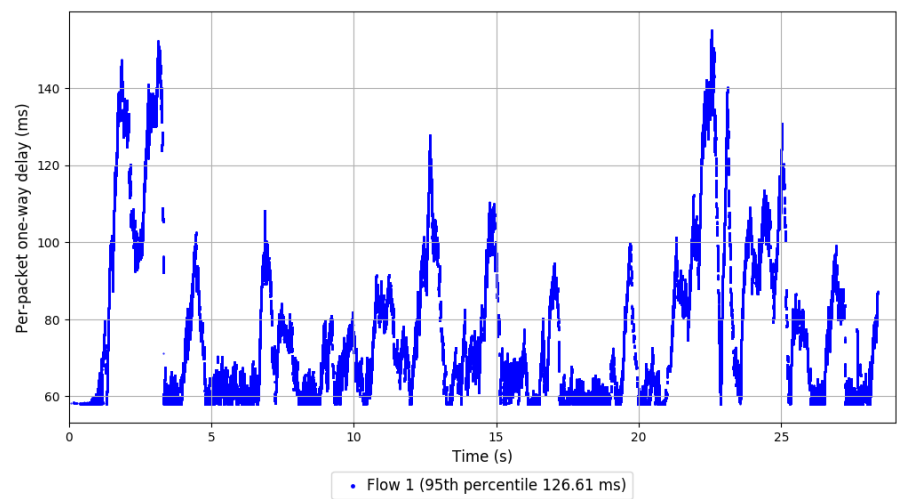
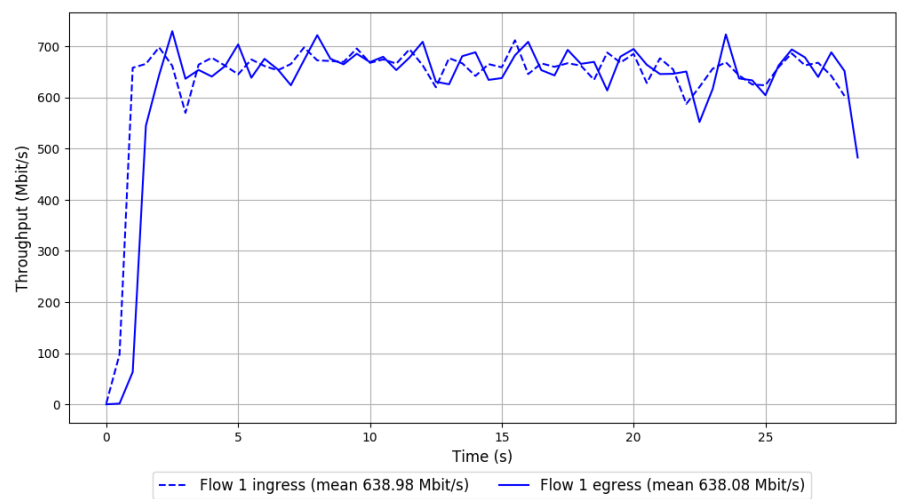
-- Flow 1:

Average throughput: 638.08 Mbit/s

95th percentile per-packet one-way delay: 126.614 ms

Loss rate: 0.55%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-04-24 16:43:06

End at: 2019-04-24 16:43:36

Local clock offset: -0.13 ms

Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-04-24 18:27:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 632.40 Mbit/s

95th percentile per-packet one-way delay: 115.703 ms

Loss rate: 0.45%

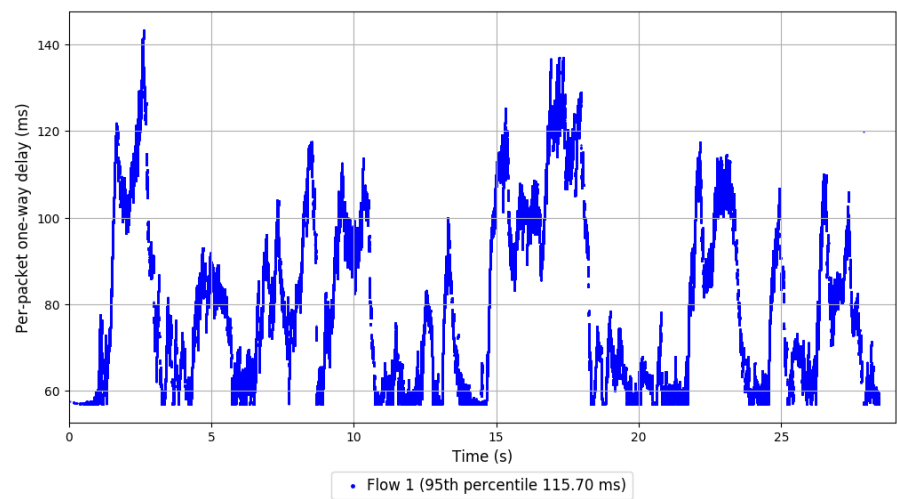
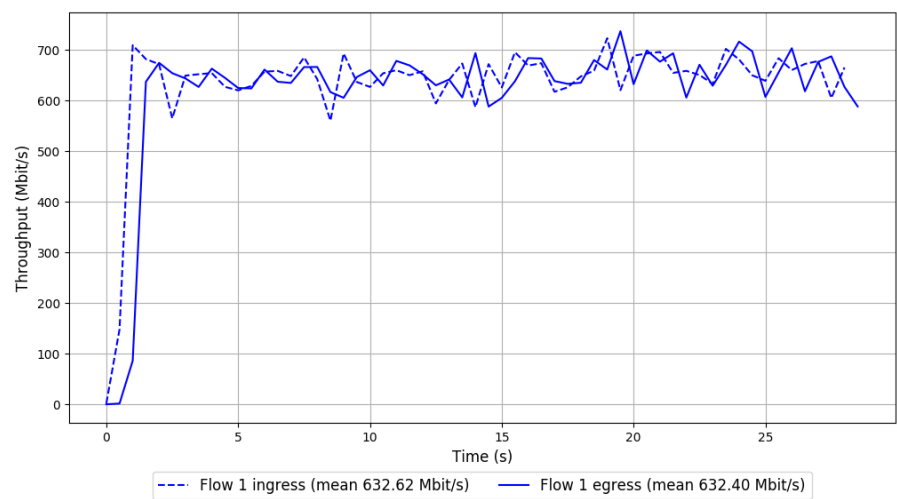
-- Flow 1:

Average throughput: 632.40 Mbit/s

95th percentile per-packet one-way delay: 115.703 ms

Loss rate: 0.45%

Run 5: Report of Indigo-MusesT — Data Link

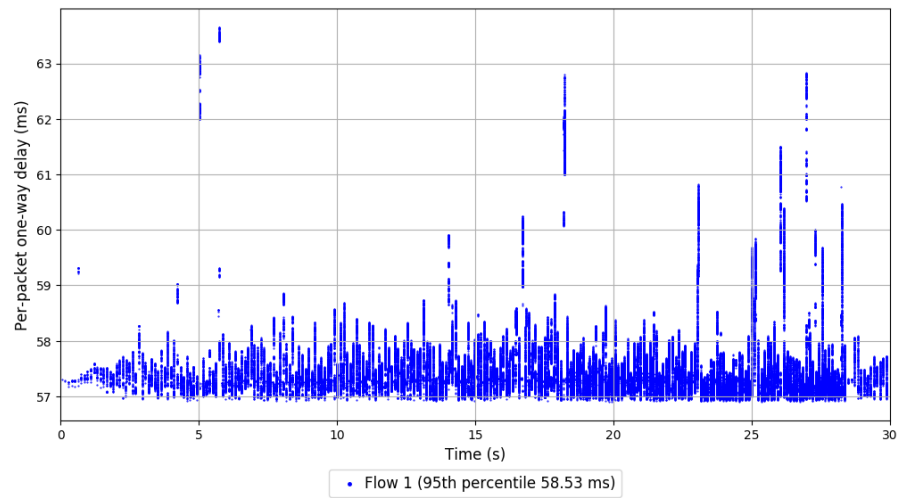
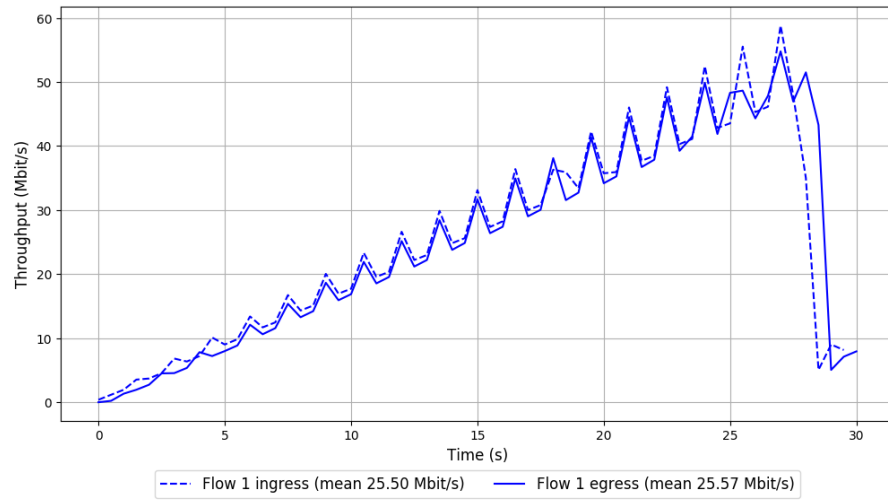


Run 1: Statistics of LEDBAT

Start at: 2019-04-24 14:49:28
End at: 2019-04-24 14:49:58
Local clock offset: -0.321 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2019-04-24 18:27:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.14%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-04-24 15:20:27

End at: 2019-04-24 15:20:57

Local clock offset: -0.363 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-04-24 18:27:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 58.119 ms

Loss rate: 0.76%

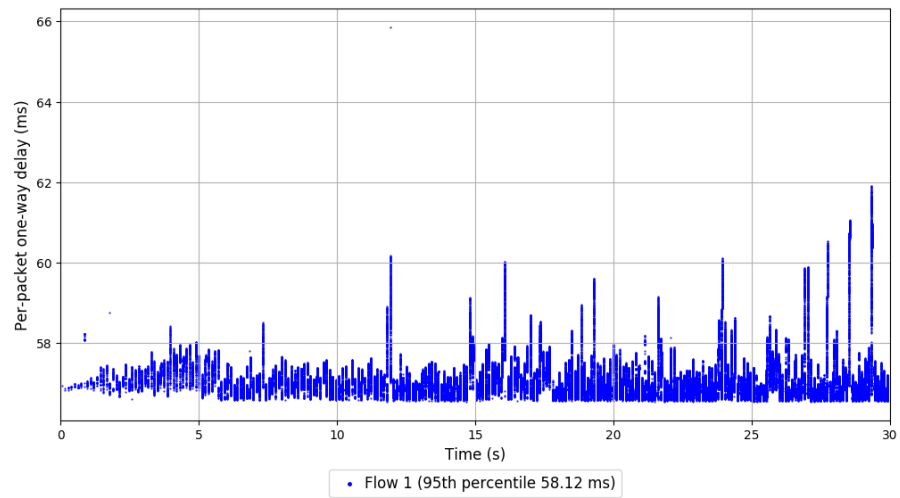
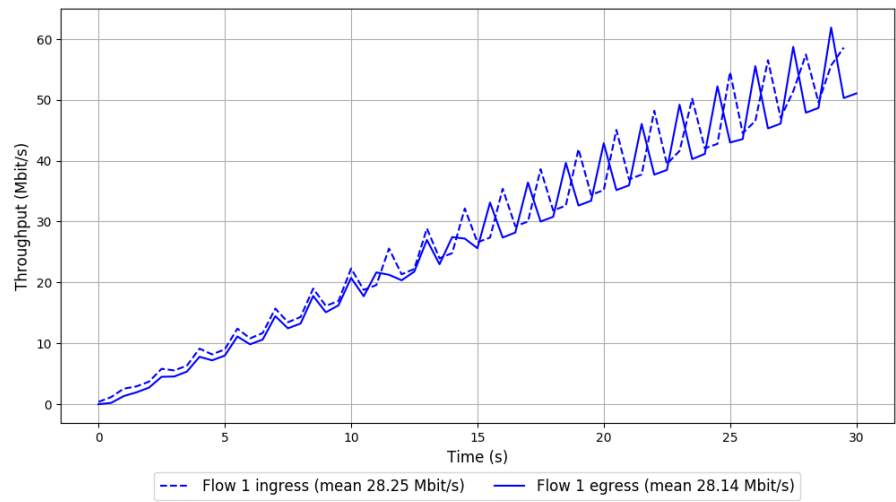
-- Flow 1:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 58.119 ms

Loss rate: 0.76%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-04-24 15:51:23

End at: 2019-04-24 15:51:53

Local clock offset: -0.54 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-04-24 18:27:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.23 Mbit/s

95th percentile per-packet one-way delay: 57.476 ms

Loss rate: 0.74%

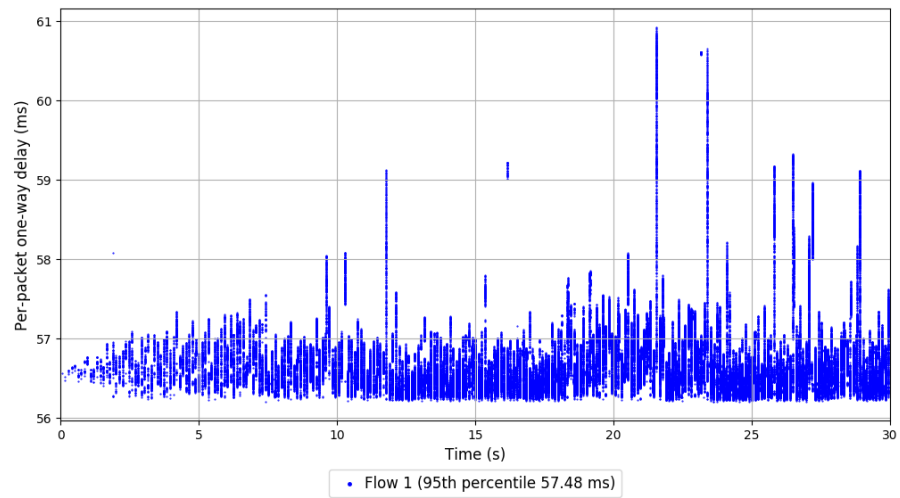
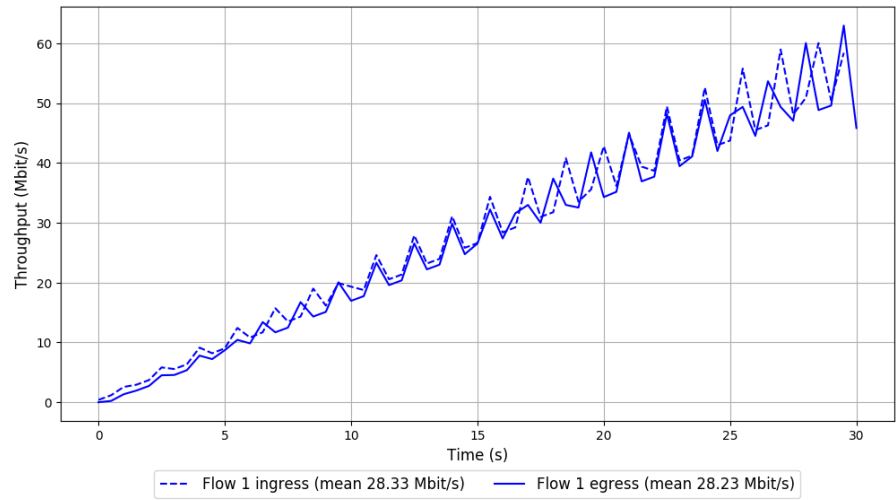
-- Flow 1:

Average throughput: 28.23 Mbit/s

95th percentile per-packet one-way delay: 57.476 ms

Loss rate: 0.74%

Run 3: Report of LEDBAT — Data Link

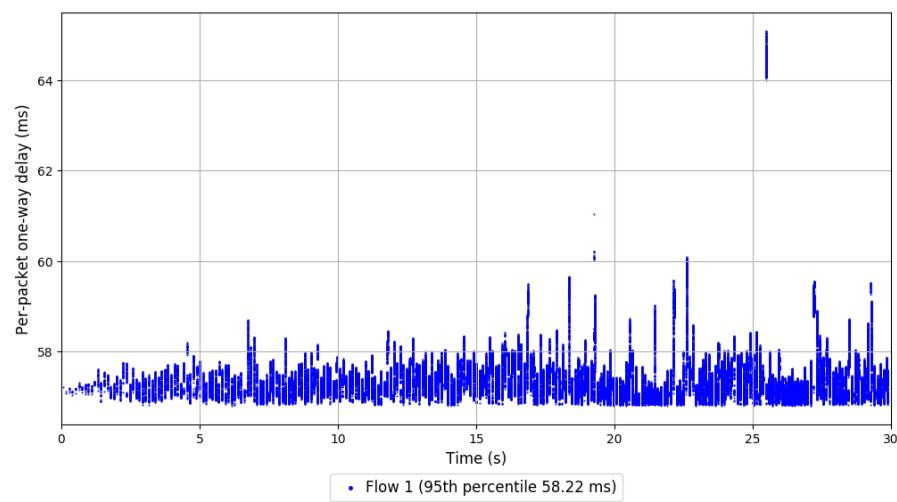
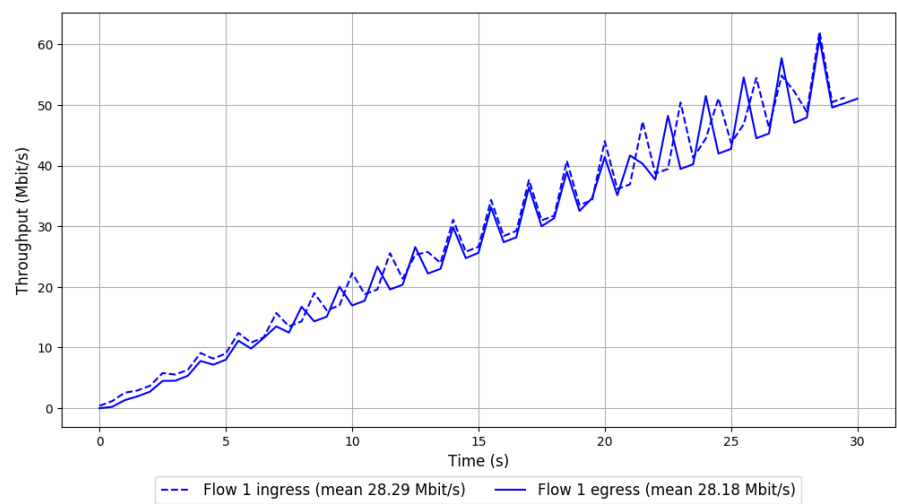


Run 4: Statistics of LEDBAT

Start at: 2019-04-24 16:22:40
End at: 2019-04-24 16:23:10
Local clock offset: -0.317 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2019-04-24 18:27:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 58.216 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 28.18 Mbit/s
95th percentile per-packet one-way delay: 58.216 ms
Loss rate: 0.76%

Run 4: Report of LEDBAT — Data Link

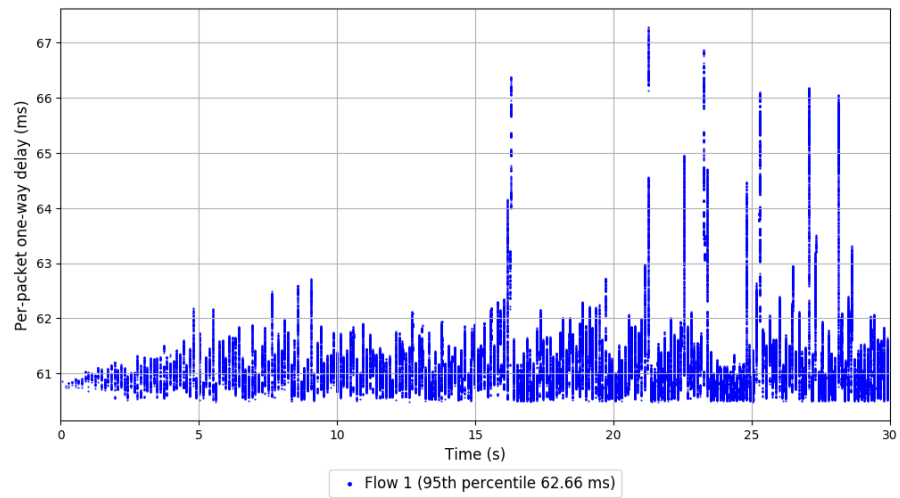
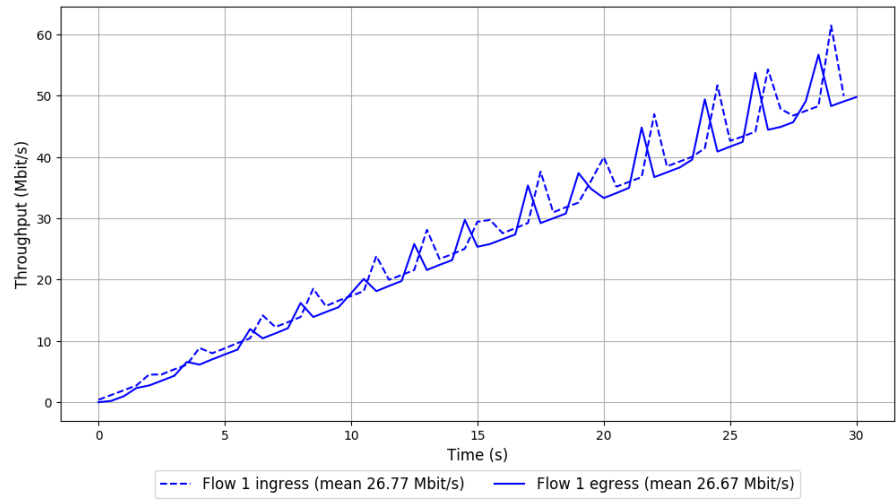


Run 5: Statistics of LEDBAT

Start at: 2019-04-24 16:54:26
End at: 2019-04-24 16:54:56
Local clock offset: 0.073 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-04-24 18:27:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 62.664 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 62.664 ms
Loss rate: 0.78%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-04-24 14:41:27

End at: 2019-04-24 14:41:57

Local clock offset: -0.083 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2019-04-24 18:31:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.38 Mbit/s

95th percentile per-packet one-way delay: 71.738 ms

Loss rate: 0.53%

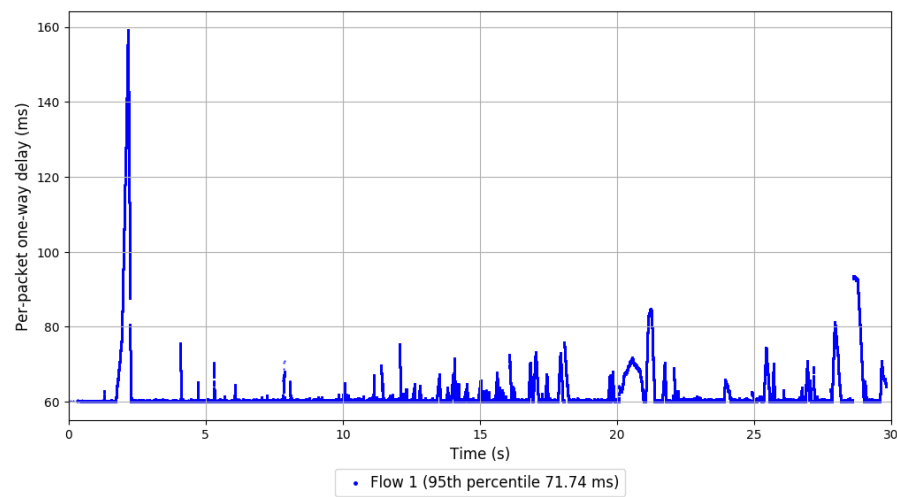
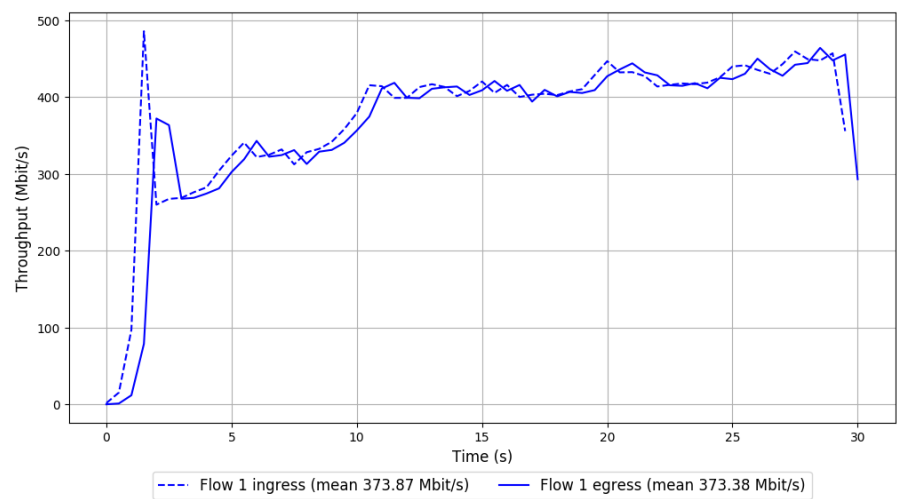
-- Flow 1:

Average throughput: 373.38 Mbit/s

95th percentile per-packet one-way delay: 71.738 ms

Loss rate: 0.53%

Run 1: Report of PCC-Allegro — Data Link

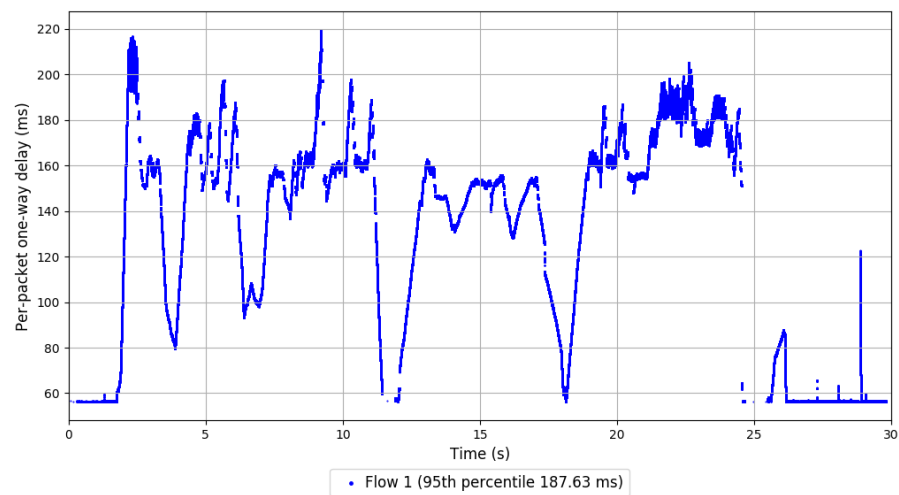
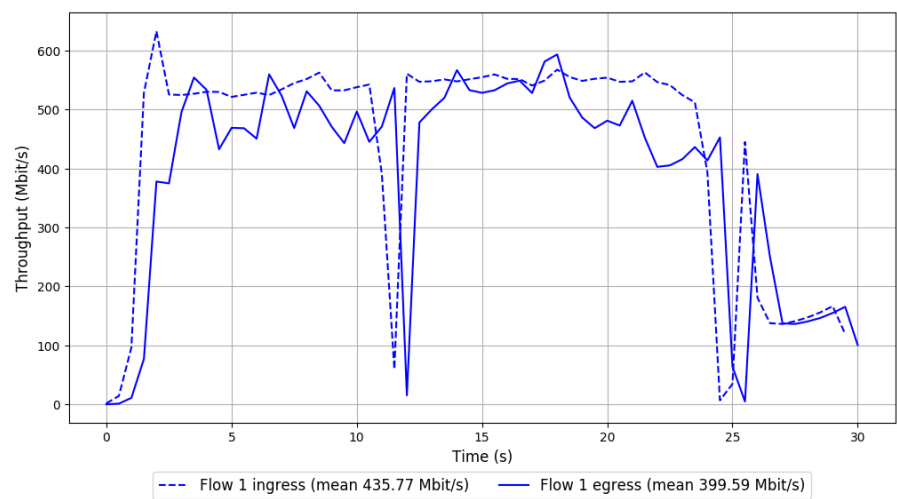


Run 2: Statistics of PCC-Allegro

Start at: 2019-04-24 15:12:11
End at: 2019-04-24 15:12:41
Local clock offset: -0.558 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-04-24 18:33:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.59 Mbit/s
95th percentile per-packet one-way delay: 187.635 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 399.59 Mbit/s
95th percentile per-packet one-way delay: 187.635 ms
Loss rate: 8.67%

Run 2: Report of PCC-Allegro — Data Link

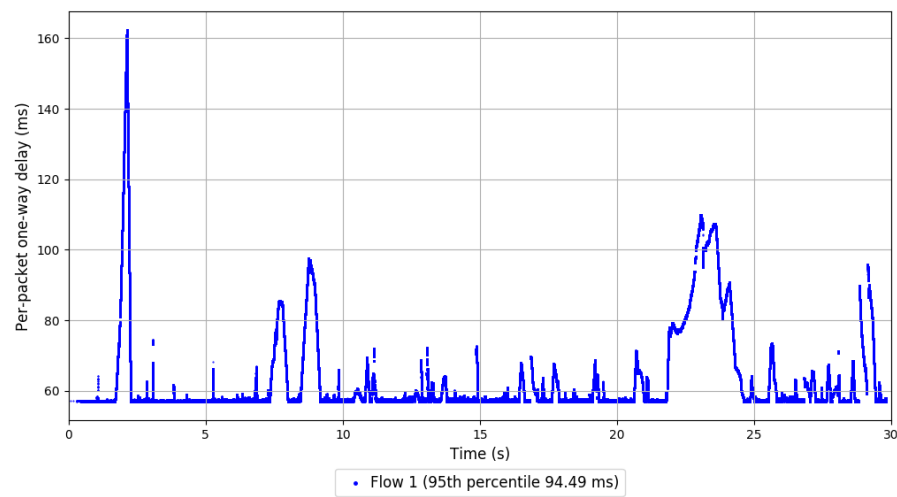
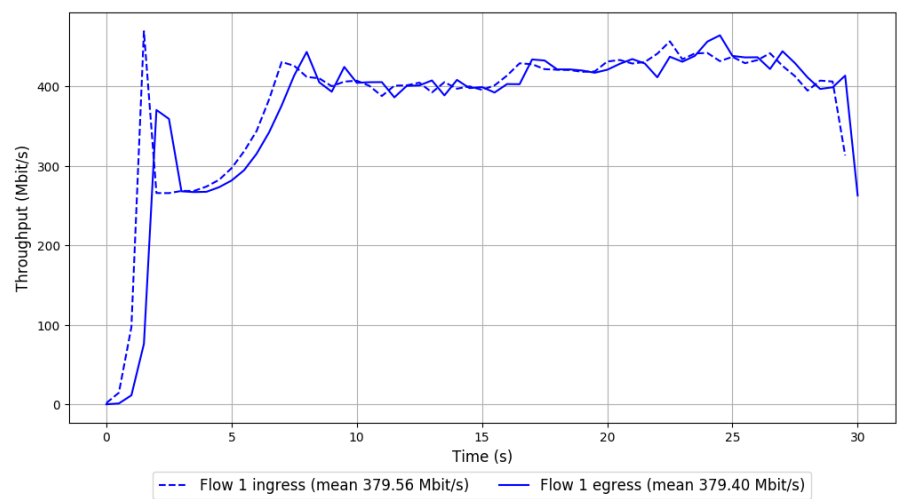


Run 3: Statistics of PCC-Allegro

Start at: 2019-04-24 15:43:18
End at: 2019-04-24 15:43:48
Local clock offset: -0.376 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2019-04-24 18:33:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.40 Mbit/s
95th percentile per-packet one-way delay: 94.490 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 379.40 Mbit/s
95th percentile per-packet one-way delay: 94.490 ms
Loss rate: 0.44%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-04-24 16:14:22

End at: 2019-04-24 16:14:52

Local clock offset: -0.085 ms

Remote clock offset: 0.576 ms

Below is generated by plot.py at 2019-04-24 18:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.10 Mbit/s

95th percentile per-packet one-way delay: 126.066 ms

Loss rate: 1.02%

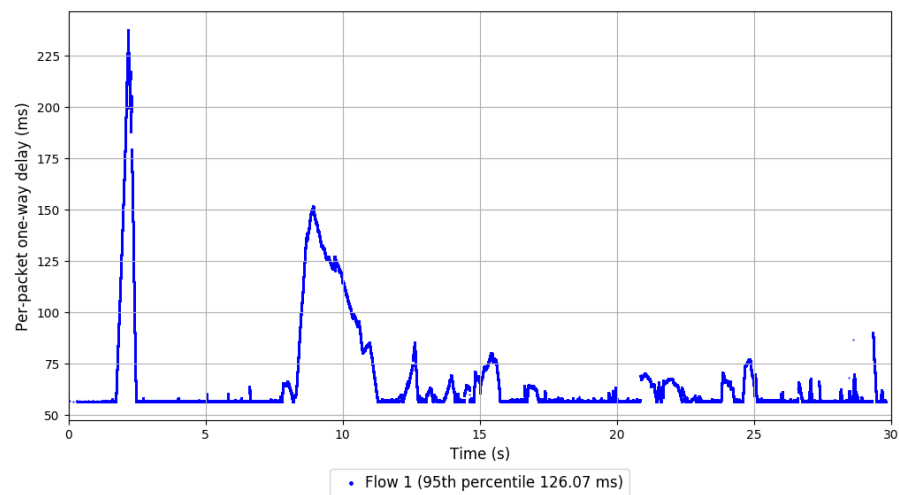
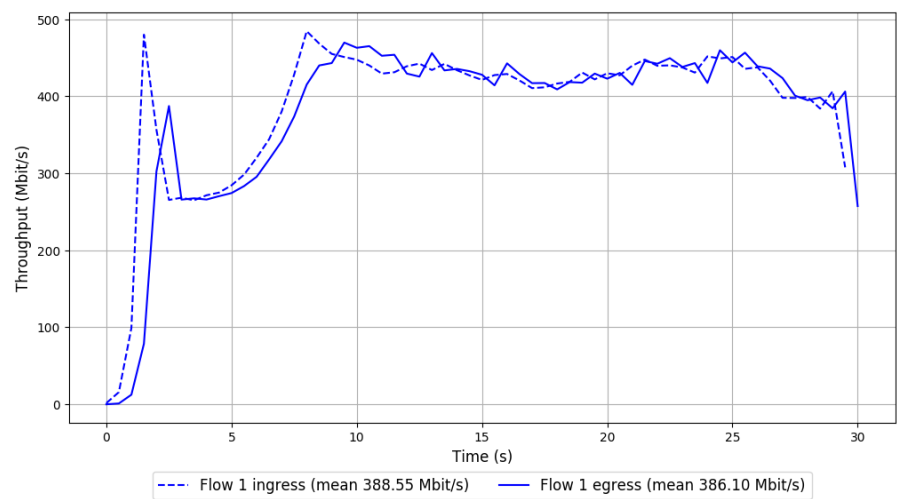
-- Flow 1:

Average throughput: 386.10 Mbit/s

95th percentile per-packet one-way delay: 126.066 ms

Loss rate: 1.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-04-24 16:45:58

End at: 2019-04-24 16:46:28

Local clock offset: 0.126 ms

Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-04-24 18:39:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 410.23 Mbit/s

95th percentile per-packet one-way delay: 150.814 ms

Loss rate: 0.50%

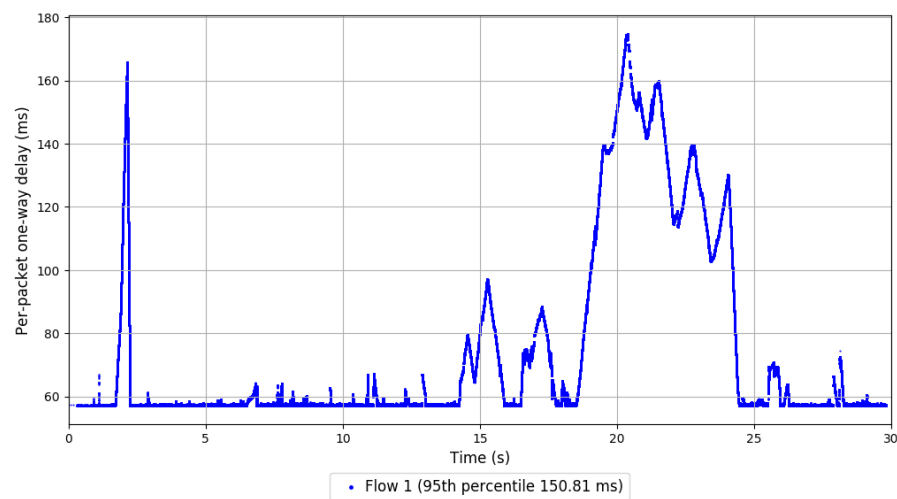
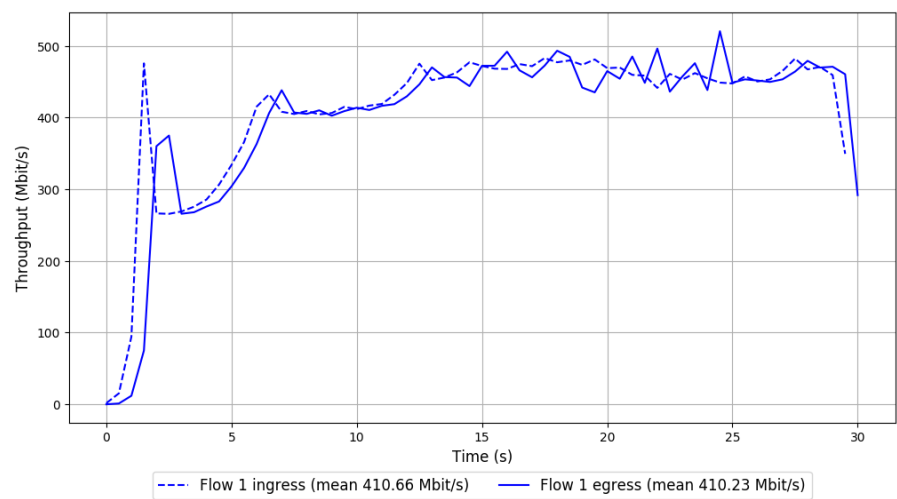
-- Flow 1:

Average throughput: 410.23 Mbit/s

95th percentile per-packet one-way delay: 150.814 ms

Loss rate: 0.50%

Run 5: Report of PCC-Allegro — Data Link

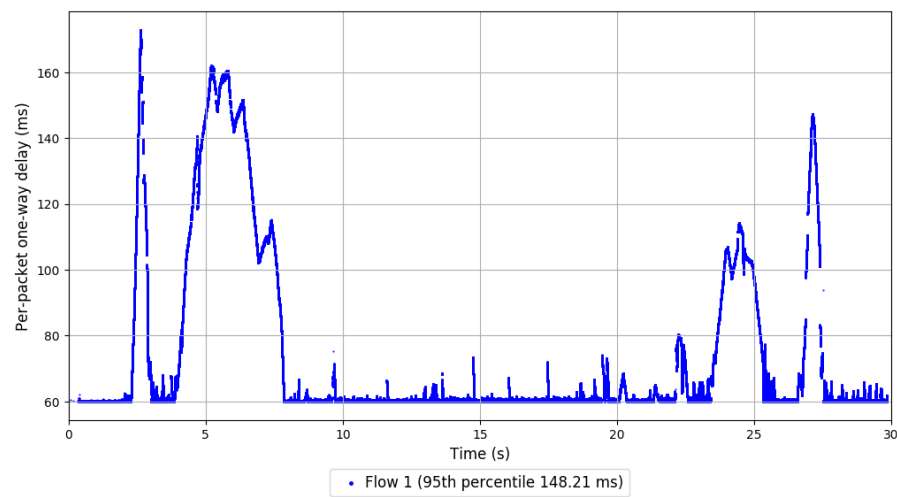
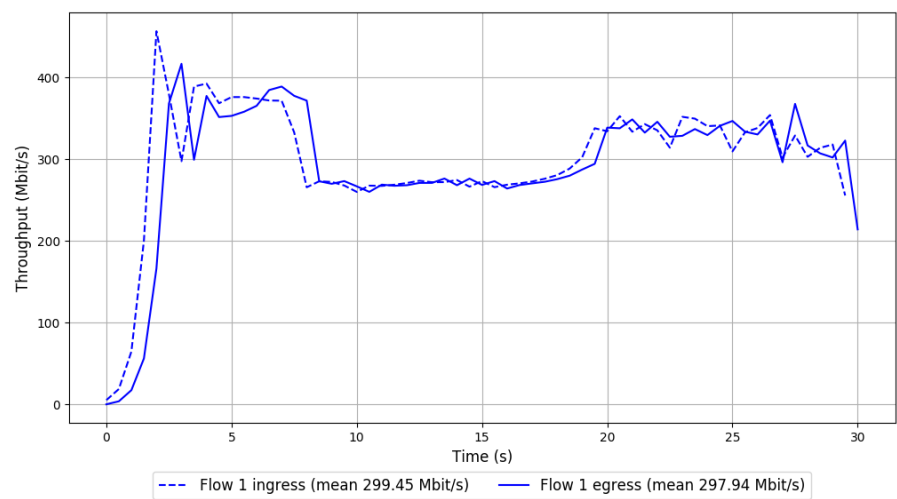


Run 1: Statistics of PCC-Expr

Start at: 2019-04-24 14:46:09
End at: 2019-04-24 14:46:39
Local clock offset: -0.069 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-04-24 18:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.94 Mbit/s
95th percentile per-packet one-way delay: 148.211 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 297.94 Mbit/s
95th percentile per-packet one-way delay: 148.211 ms
Loss rate: 0.91%

Run 1: Report of PCC-Expr — Data Link

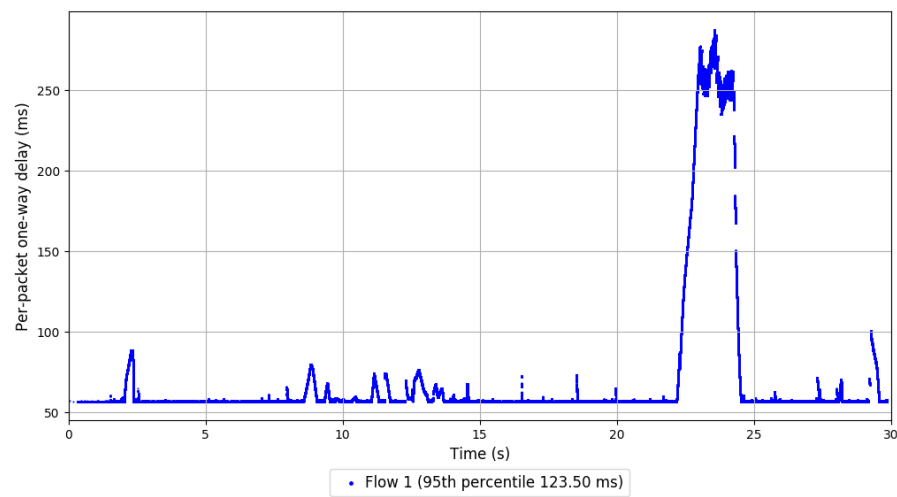
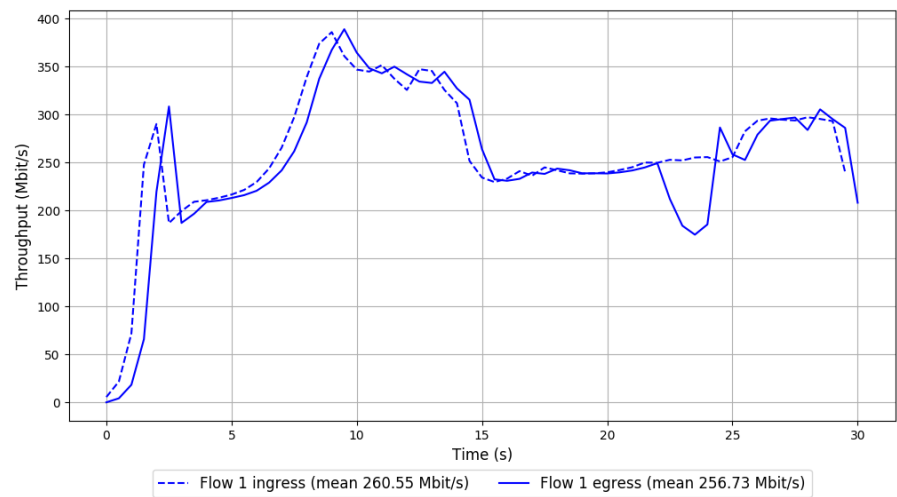


Run 2: Statistics of PCC-Expr

Start at: 2019-04-24 15:16:57
End at: 2019-04-24 15:17:27
Local clock offset: -0.098 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2019-04-24 18:39:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.73 Mbit/s
95th percentile per-packet one-way delay: 123.504 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 256.73 Mbit/s
95th percentile per-packet one-way delay: 123.504 ms
Loss rate: 1.86%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-04-24 15:48:02

End at: 2019-04-24 15:48:32

Local clock offset: 0.325 ms

Remote clock offset: -0.259 ms

Below is generated by plot.py at 2019-04-24 18:39:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.16 Mbit/s

95th percentile per-packet one-way delay: 117.644 ms

Loss rate: 0.56%

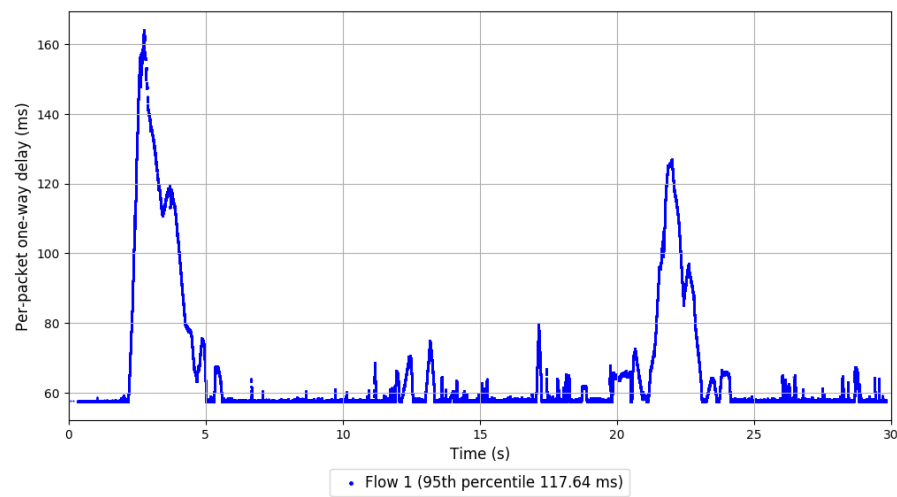
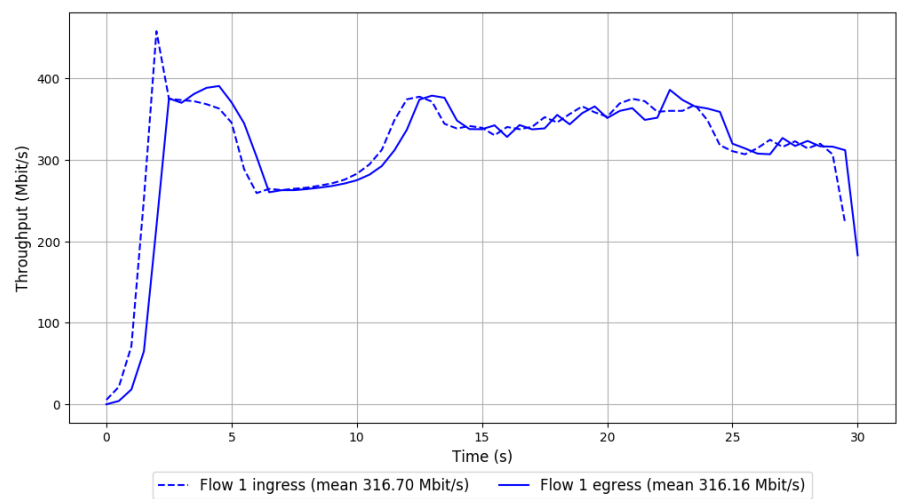
-- Flow 1:

Average throughput: 316.16 Mbit/s

95th percentile per-packet one-way delay: 117.644 ms

Loss rate: 0.56%

Run 3: Report of PCC-Expr — Data Link

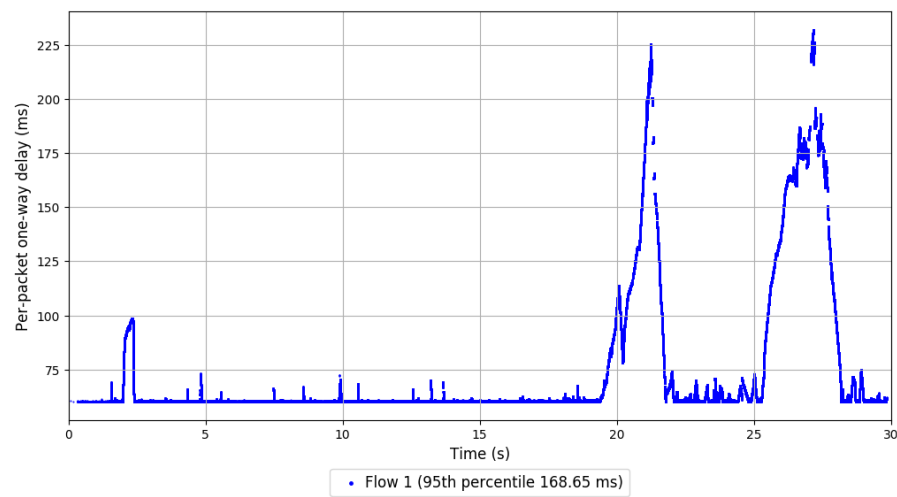
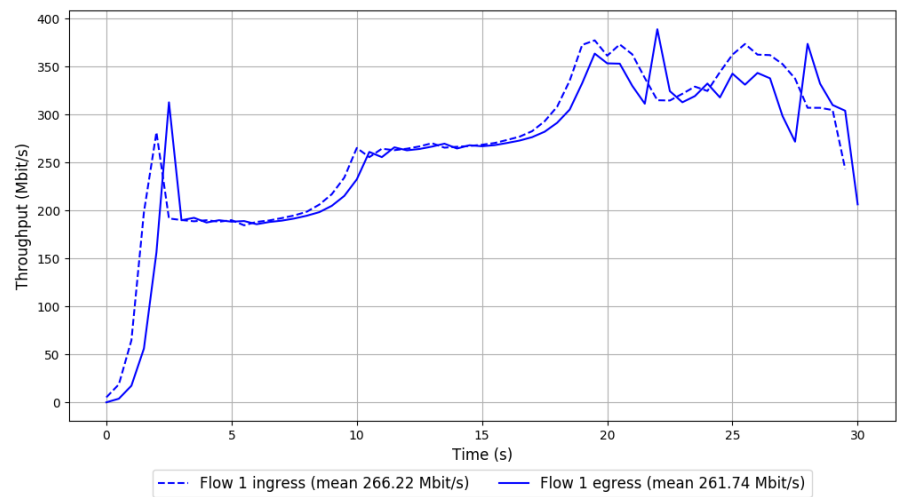


Run 4: Statistics of PCC-Expr

Start at: 2019-04-24 16:19:16
End at: 2019-04-24 16:19:46
Local clock offset: -0.308 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2019-04-24 18:41:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.74 Mbit/s
95th percentile per-packet one-way delay: 168.645 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 261.74 Mbit/s
95th percentile per-packet one-way delay: 168.645 ms
Loss rate: 2.08%

Run 4: Report of PCC-Expr — Data Link

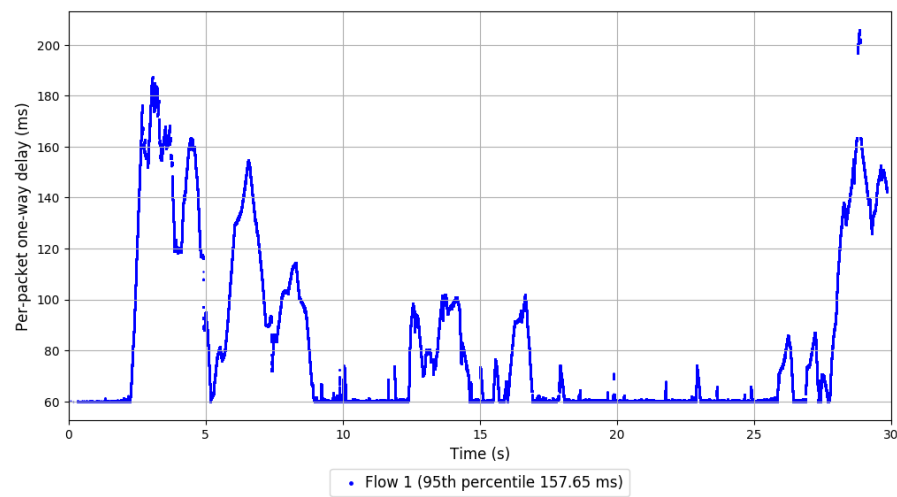
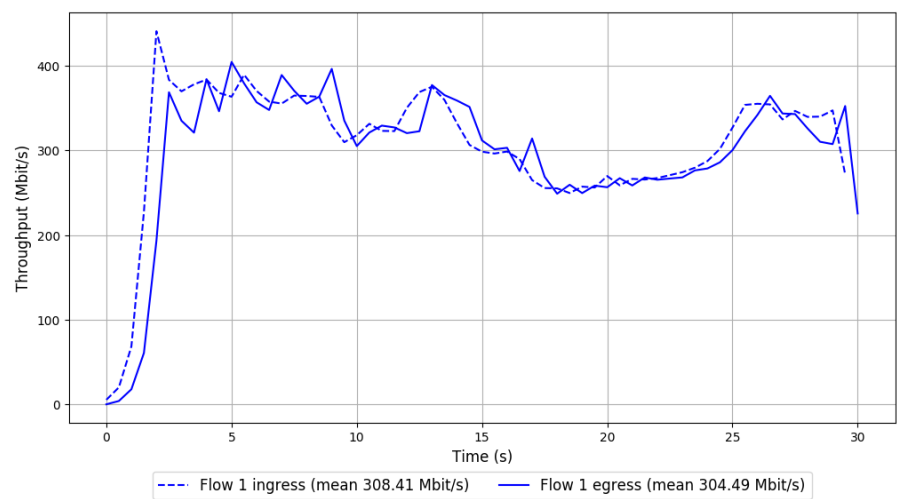


Run 5: Statistics of PCC-Expr

Start at: 2019-04-24 16:51:06
End at: 2019-04-24 16:51:36
Local clock offset: -0.527 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.49 Mbit/s
95th percentile per-packet one-way delay: 157.649 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 304.49 Mbit/s
95th percentile per-packet one-way delay: 157.649 ms
Loss rate: 1.67%

Run 5: Report of PCC-Expr — Data Link

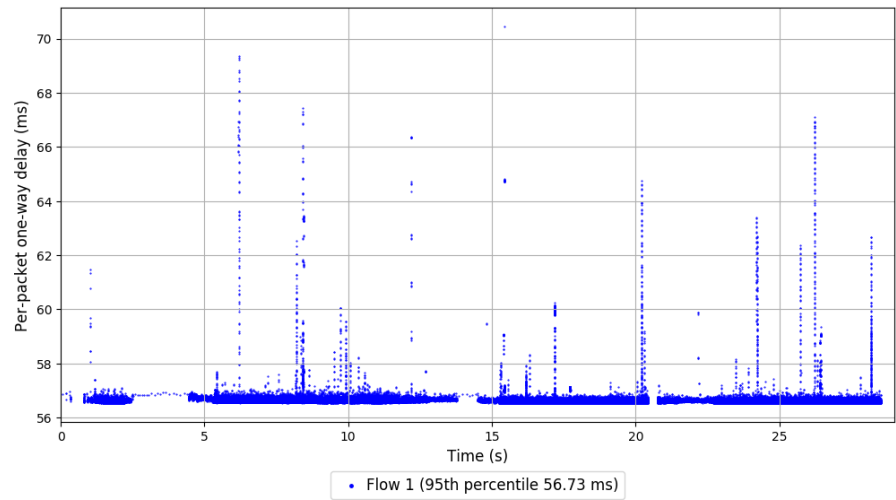
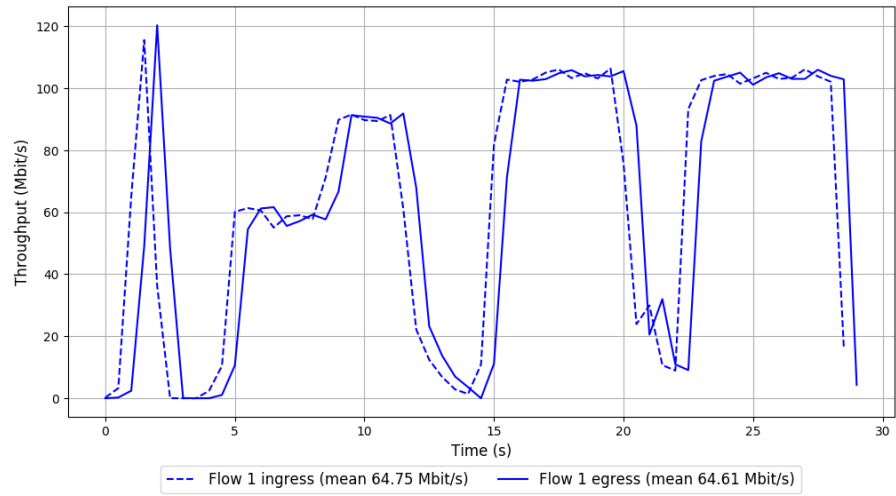


Run 1: Statistics of QUIC Cubic

Start at: 2019-04-24 14:31:31
End at: 2019-04-24 14:32:01
Local clock offset: -0.123 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 56.731 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 56.731 ms
Loss rate: 0.63%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-04-24 15:02:11

End at: 2019-04-24 15:02:41

Local clock offset: -0.121 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2019-04-24 18:43:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 56.940 ms

Loss rate: 0.60%

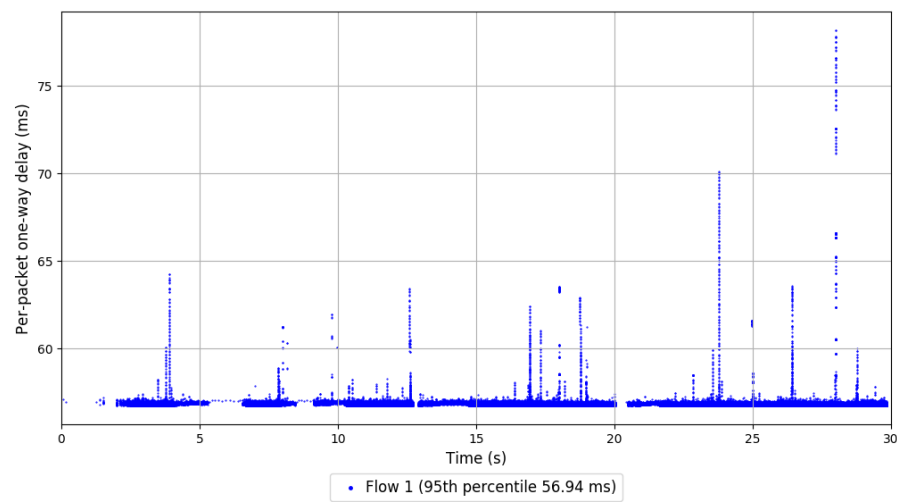
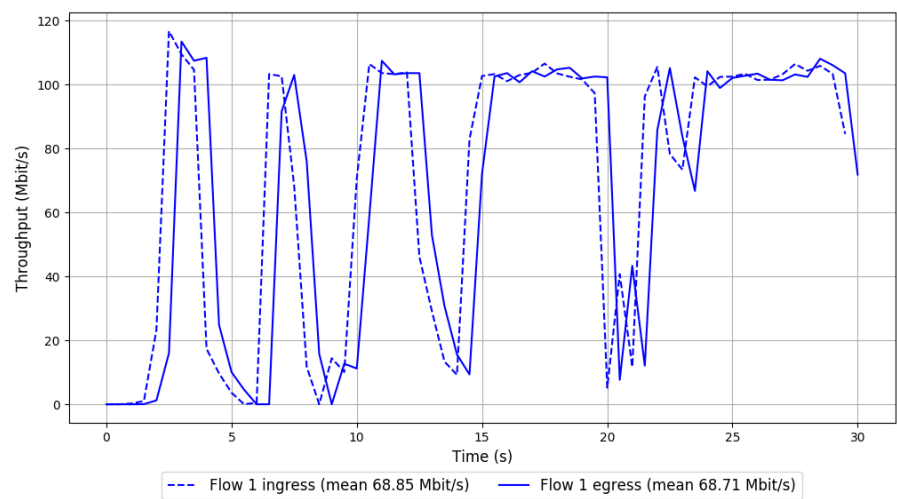
-- Flow 1:

Average throughput: 68.71 Mbit/s

95th percentile per-packet one-way delay: 56.940 ms

Loss rate: 0.60%

Run 2: Report of QUIC Cubic — Data Link

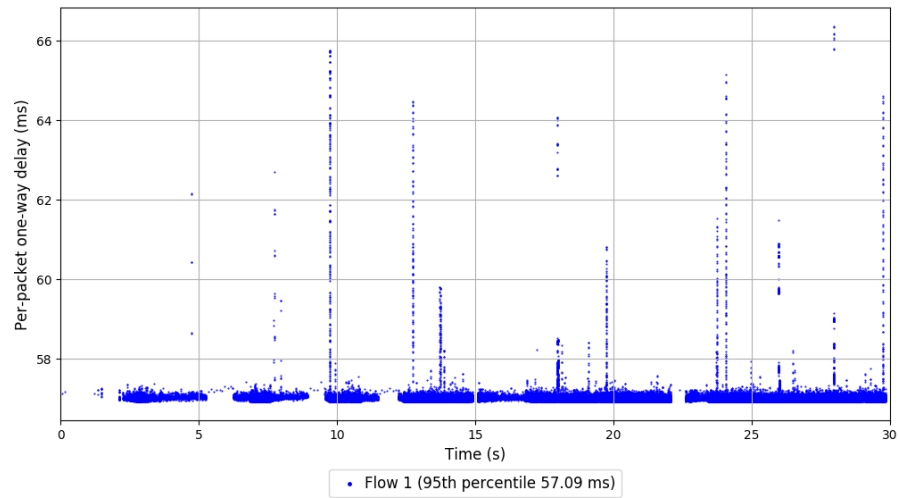
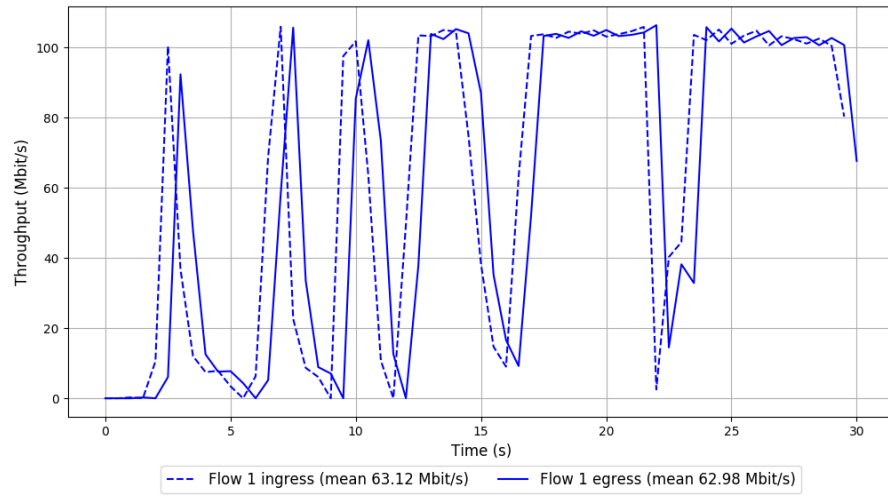


Run 3: Statistics of QUIC Cubic

Start at: 2019-04-24 15:33:11
End at: 2019-04-24 15:33:41
Local clock offset: -0.119 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 57.086 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 57.086 ms
Loss rate: 0.64%

Run 3: Report of QUIC Cubic — Data Link

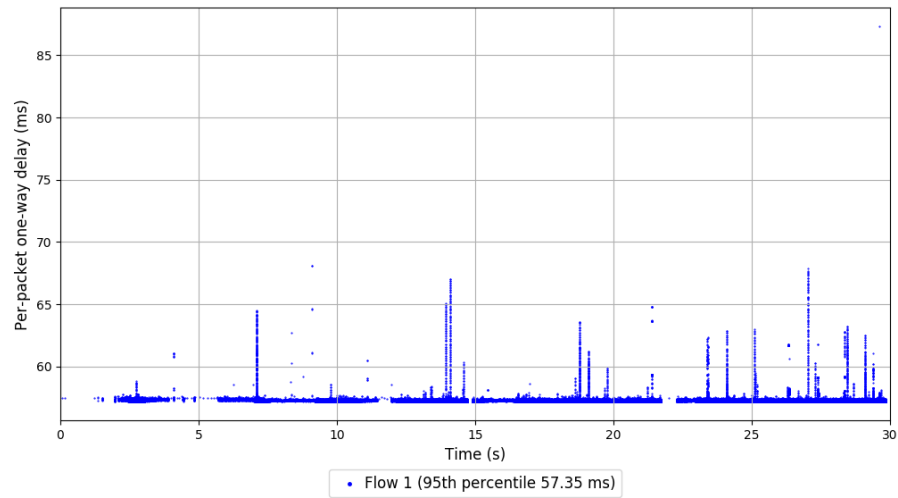
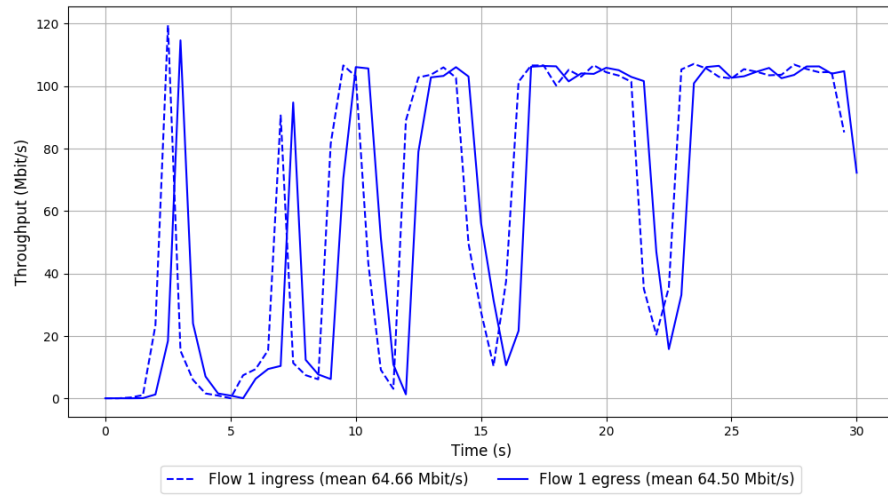


Run 4: Statistics of QUIC Cubic

Start at: 2019-04-24 16:04:10
End at: 2019-04-24 16:04:40
Local clock offset: -0.219 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 57.346 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 57.346 ms
Loss rate: 0.64%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-04-24 16:35:35

End at: 2019-04-24 16:36:05

Local clock offset: -0.294 ms

Remote clock offset: -0.472 ms

Below is generated by plot.py at 2019-04-24 18:43:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 56.990 ms

Loss rate: 0.59%

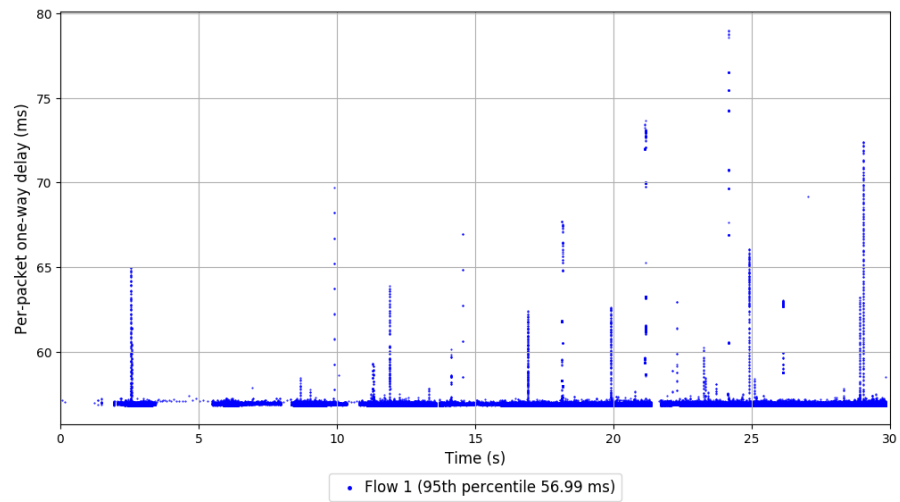
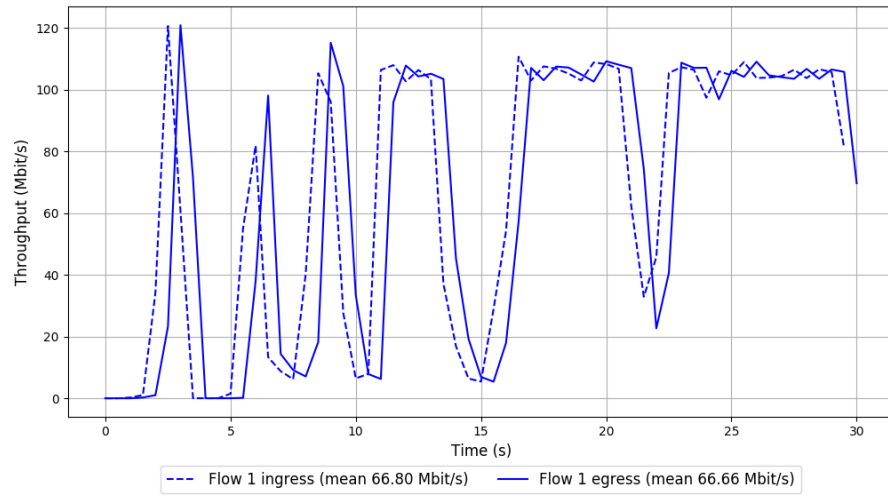
-- Flow 1:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 56.990 ms

Loss rate: 0.59%

Run 5: Report of QUIC Cubic — Data Link

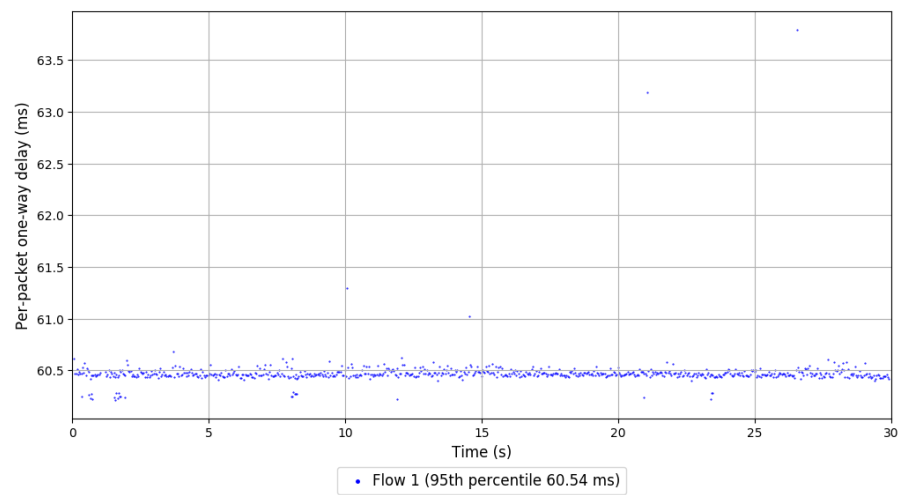
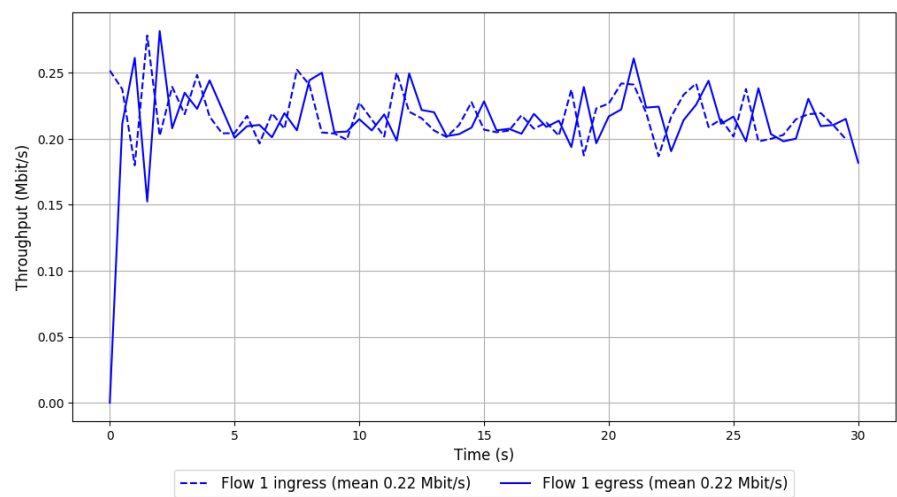


Run 1: Statistics of SCReAM

Start at: 2019-04-24 14:55:11
End at: 2019-04-24 14:55:41
Local clock offset: -0.481 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.544 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.544 ms
Loss rate: 0.39%

Run 1: Report of SReAM — Data Link

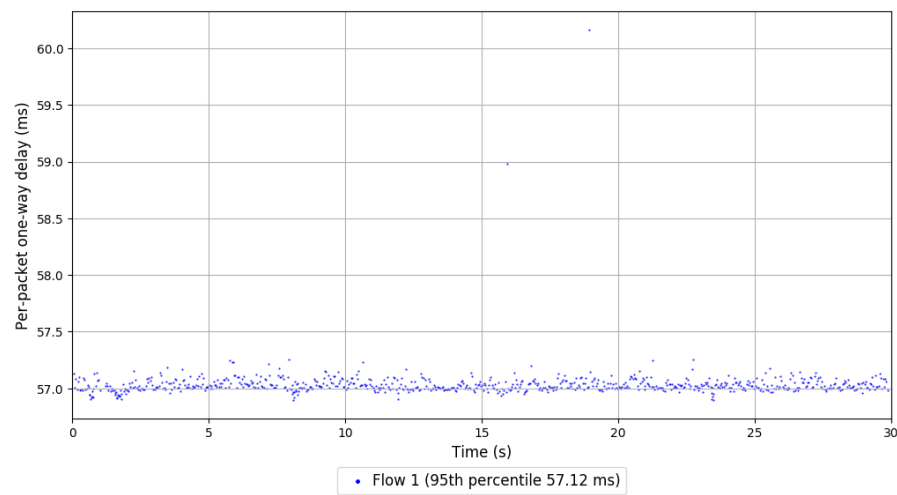
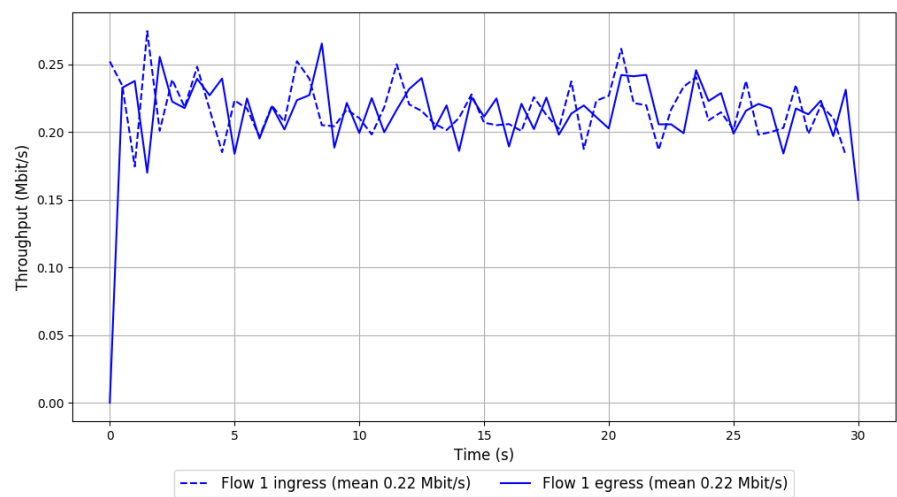


Run 2: Statistics of SReAM

Start at: 2019-04-24 15:26:04
End at: 2019-04-24 15:26:34
Local clock offset: -0.157 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.125 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.125 ms
Loss rate: 0.38%

Run 2: Report of SReAM — Data Link

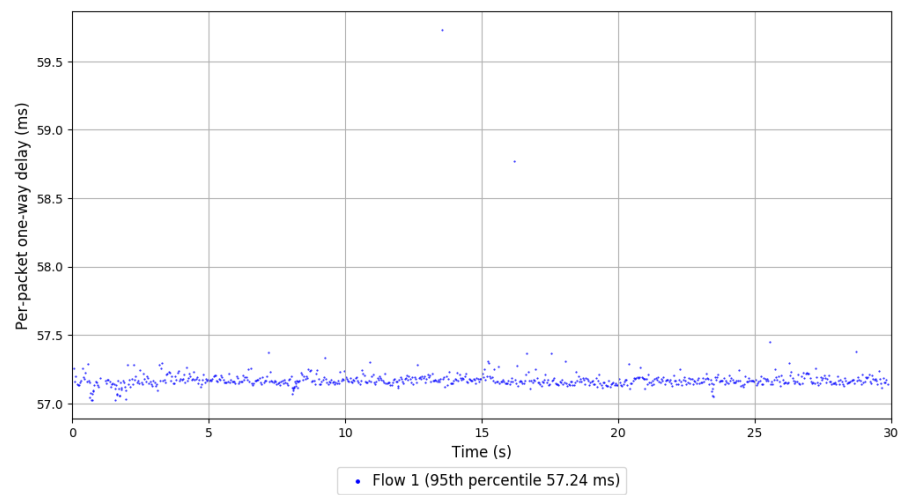
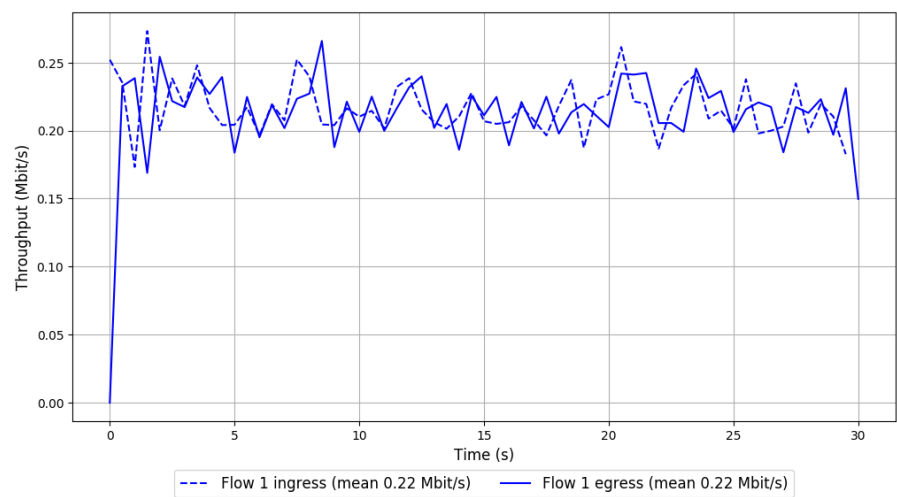


Run 3: Statistics of SCReAM

Start at: 2019-04-24 15:57:14
End at: 2019-04-24 15:57:44
Local clock offset: -0.088 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.242 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.242 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

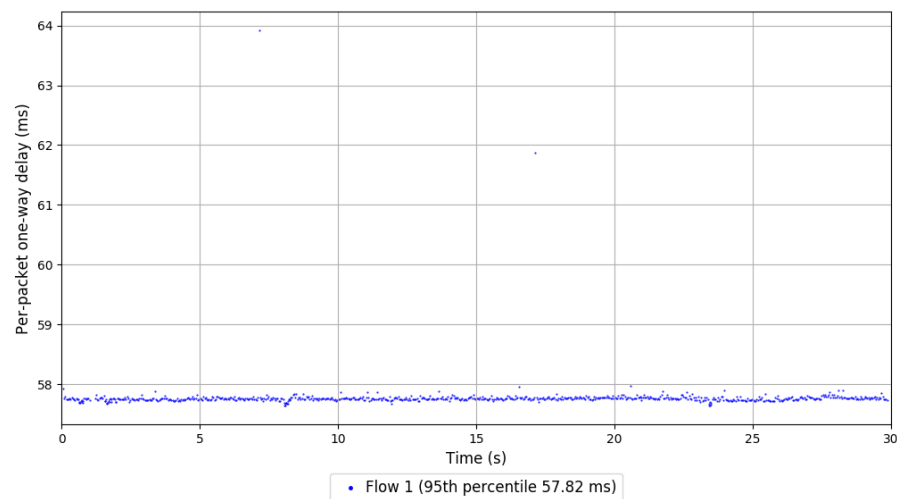
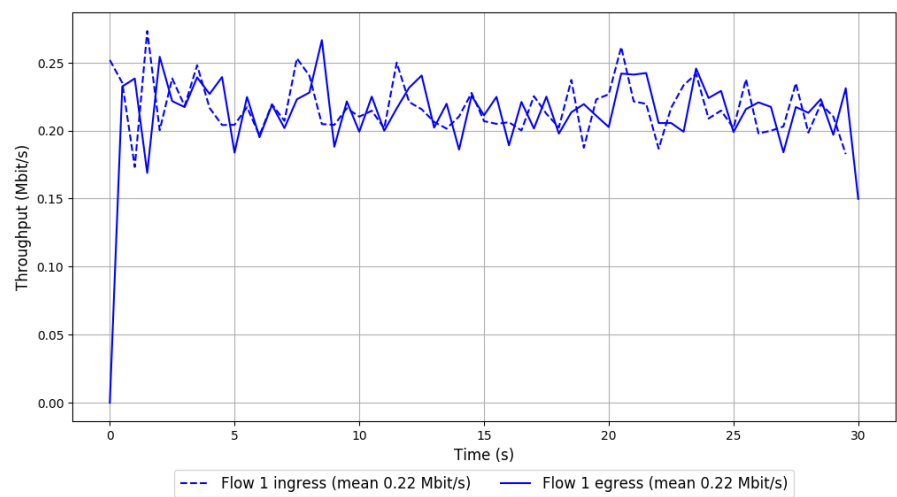


Run 4: Statistics of SCReAM

Start at: 2019-04-24 16:28:28
End at: 2019-04-24 16:28:58
Local clock offset: 0.354 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.816 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.816 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-04-24 17:00:21

End at: 2019-04-24 17:00:51

Local clock offset: -0.123 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-04-24 18:43:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.220 ms

Loss rate: 0.38%

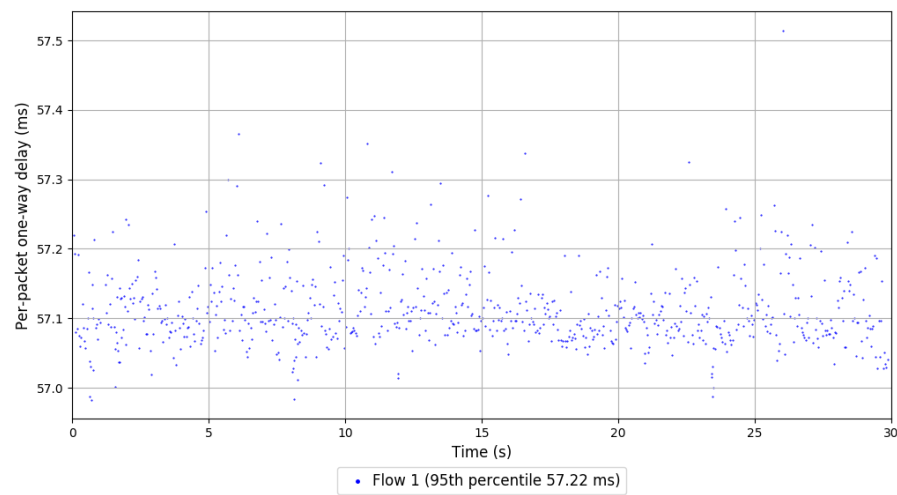
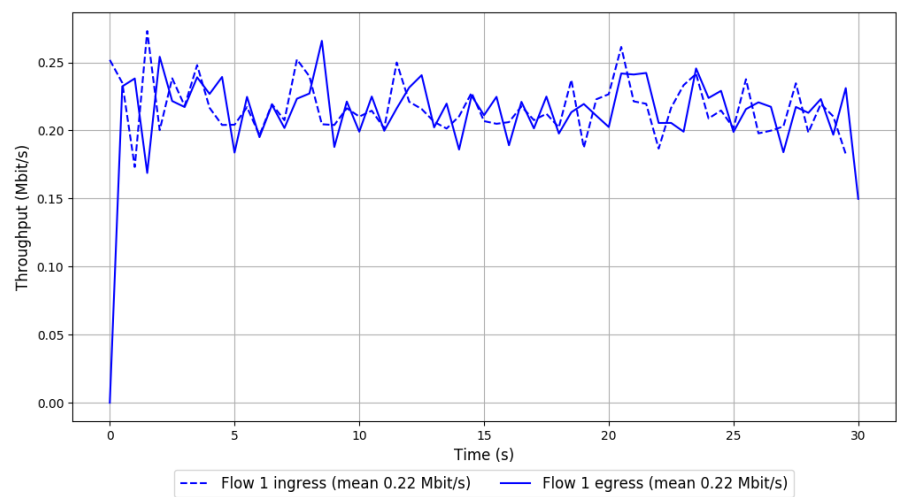
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.220 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

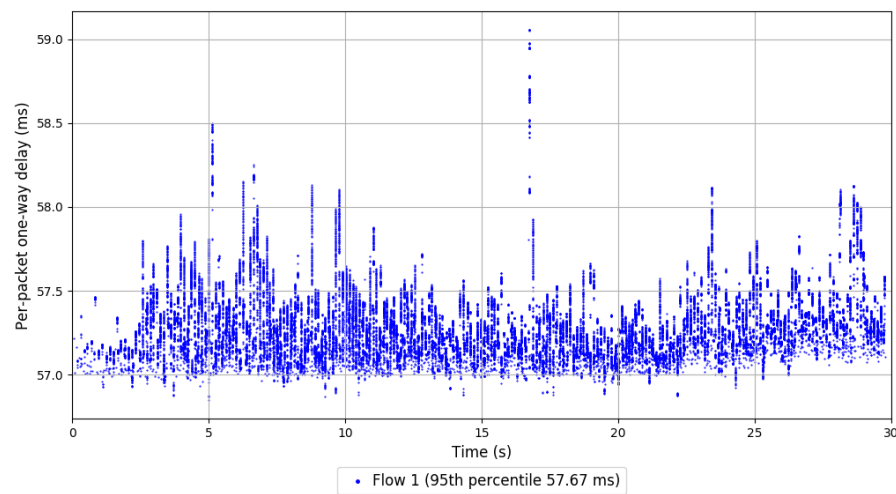
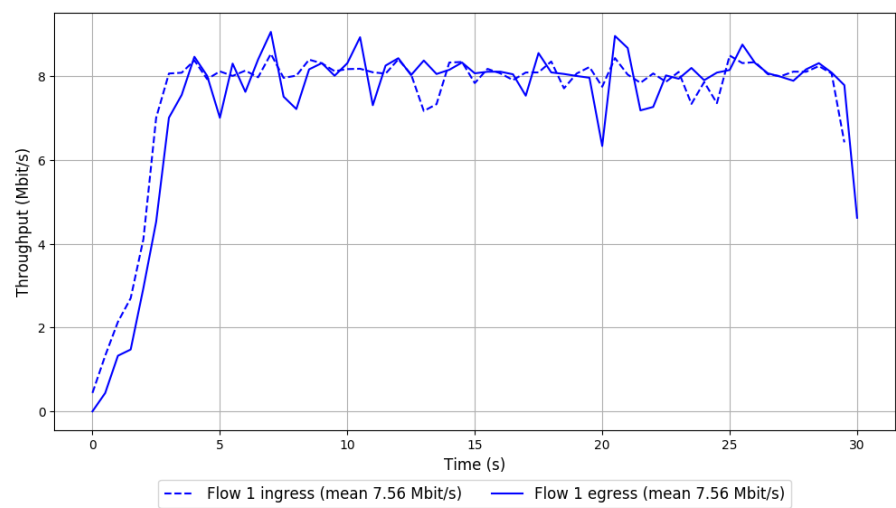


Run 1: Statistics of Sprout

Start at: 2019-04-24 14:30:22
End at: 2019-04-24 14:30:52
Local clock offset: -0.079 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 57.668 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 57.668 ms
Loss rate: 0.53%

Run 1: Report of Sprout — Data Link

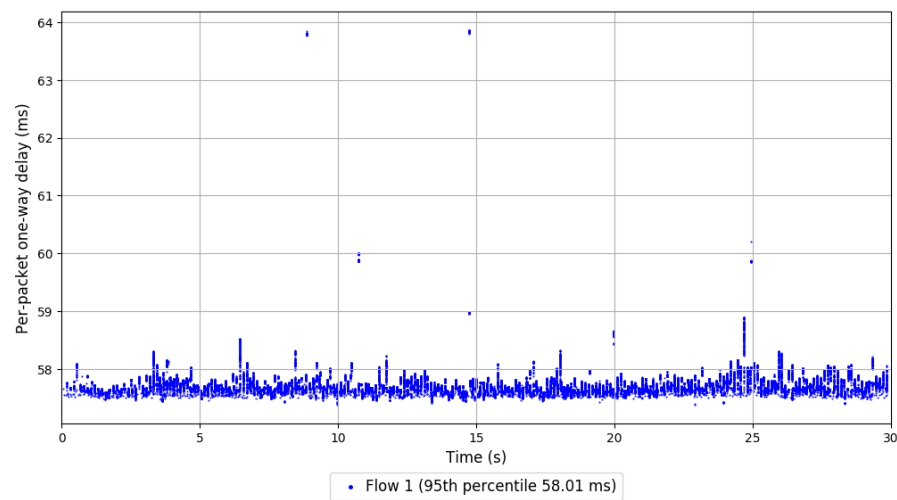
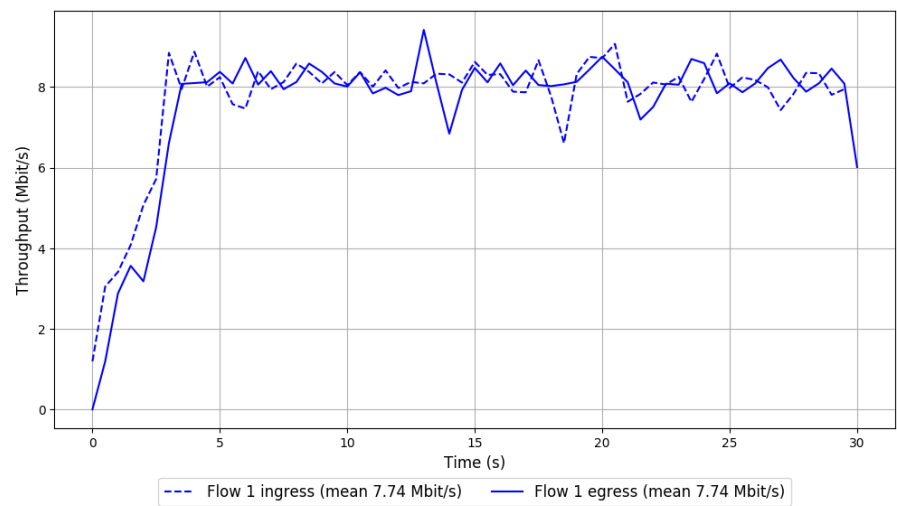


Run 2: Statistics of Sprout

Start at: 2019-04-24 15:01:02
End at: 2019-04-24 15:01:32
Local clock offset: -0.091 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 58.014 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 58.014 ms
Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

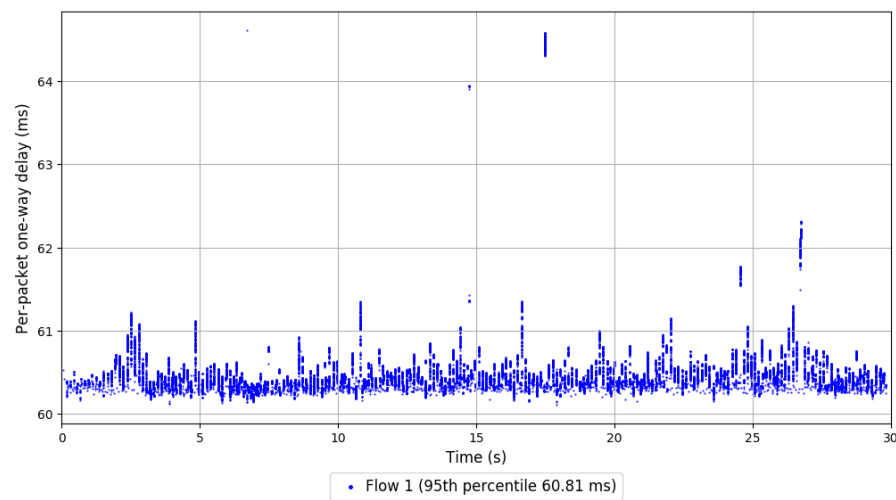
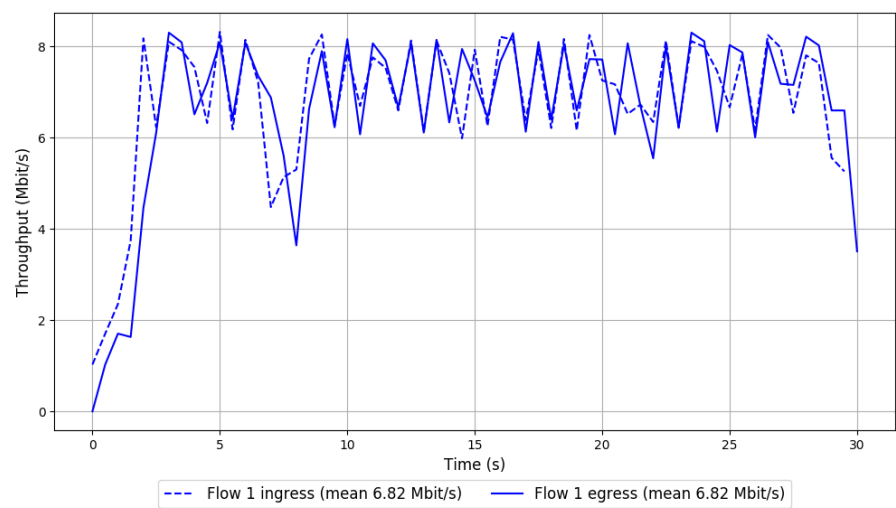


Run 3: Statistics of Sprout

Start at: 2019-04-24 15:32:02
End at: 2019-04-24 15:32:32
Local clock offset: -0.556 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 60.813 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 60.813 ms
Loss rate: 0.43%

Run 3: Report of Sprout — Data Link

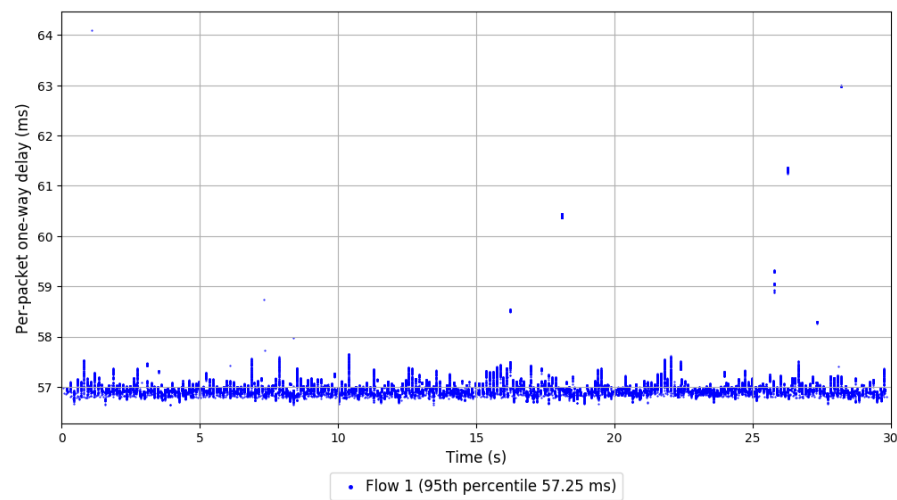
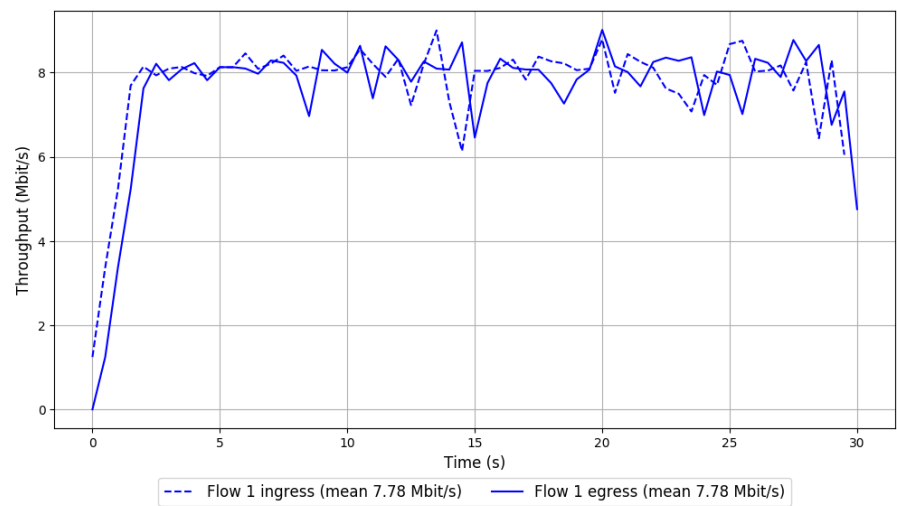


Run 4: Statistics of Sprout

Start at: 2019-04-24 16:03:01
End at: 2019-04-24 16:03:31
Local clock offset: -0.322 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2019-04-24 18:43:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 57.250 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 57.250 ms
Loss rate: 0.44%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-04-24 16:34:26

End at: 2019-04-24 16:34:56

Local clock offset: -0.097 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2019-04-24 18:43:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 57.428 ms

Loss rate: 0.48%

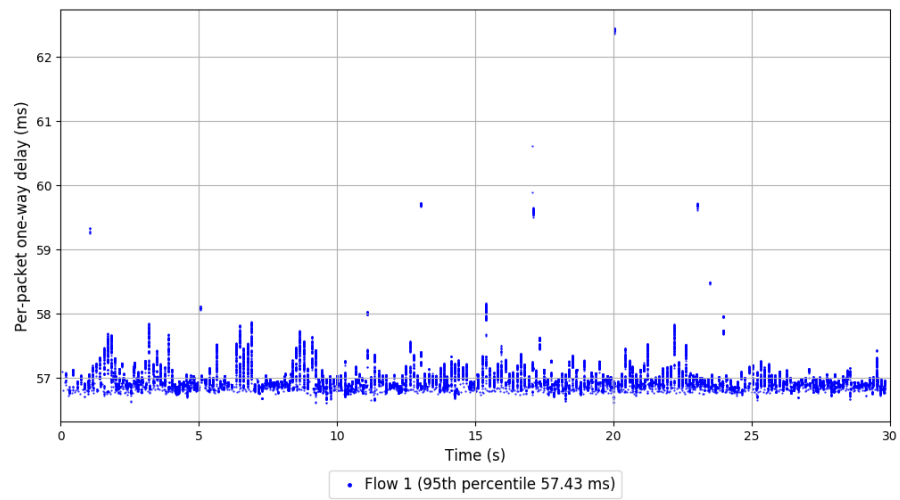
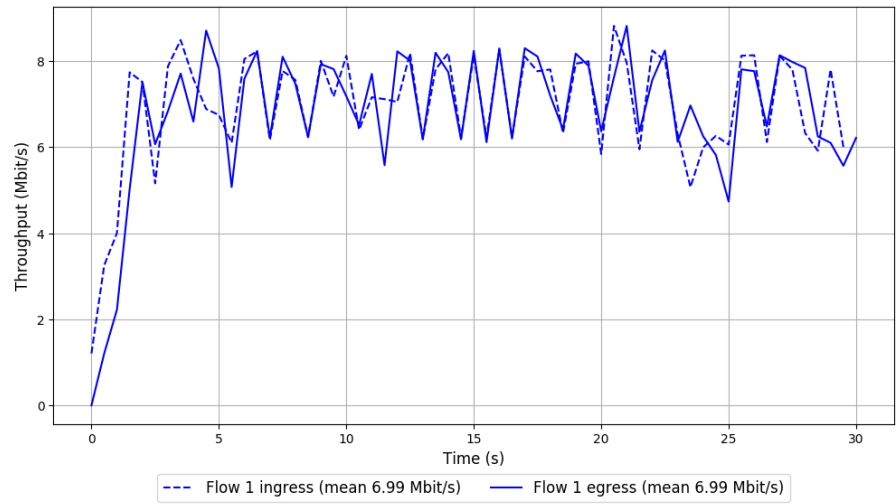
-- Flow 1:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 57.428 ms

Loss rate: 0.48%

Run 5: Report of Sprout — Data Link

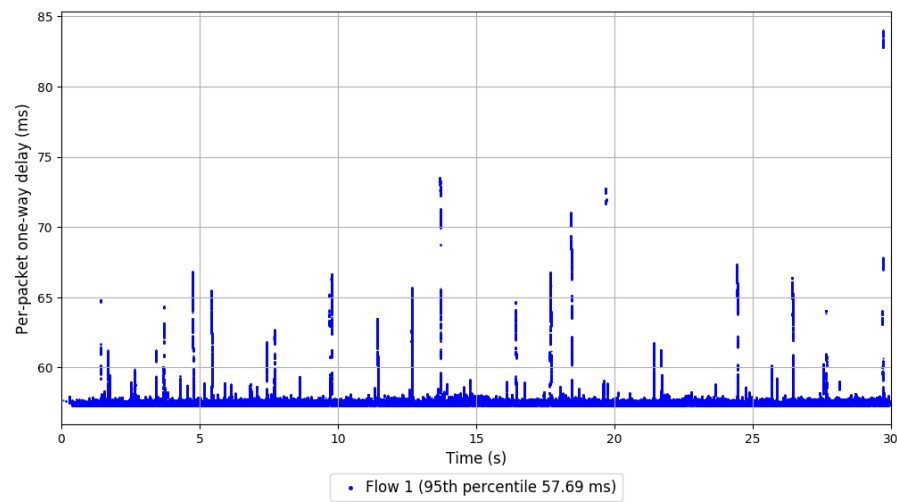
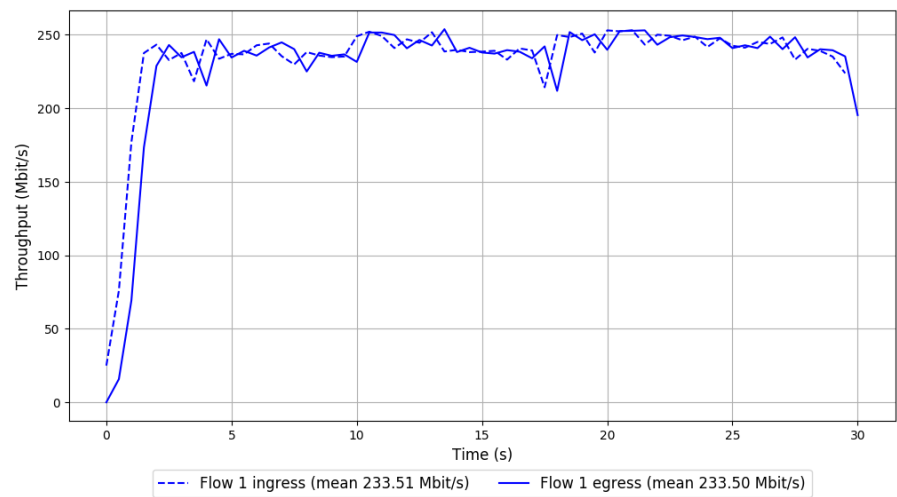


Run 1: Statistics of TaoVA-100x

Start at: 2019-04-24 14:50:38
End at: 2019-04-24 14:51:08
Local clock offset: -0.078 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2019-04-24 18:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.50 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 233.50 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.40%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-04-24 15:21:38

End at: 2019-04-24 15:22:08

Local clock offset: -0.078 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2019-04-24 18:45:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.27 Mbit/s

95th percentile per-packet one-way delay: 56.966 ms

Loss rate: 0.42%

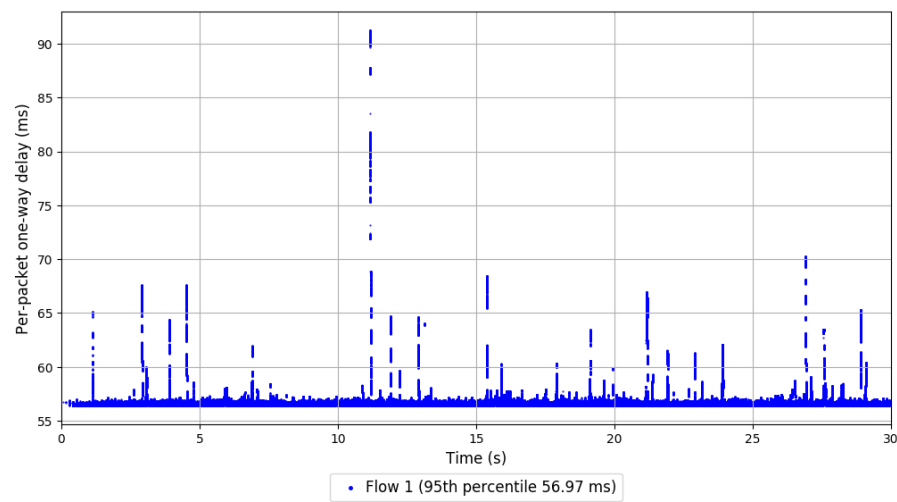
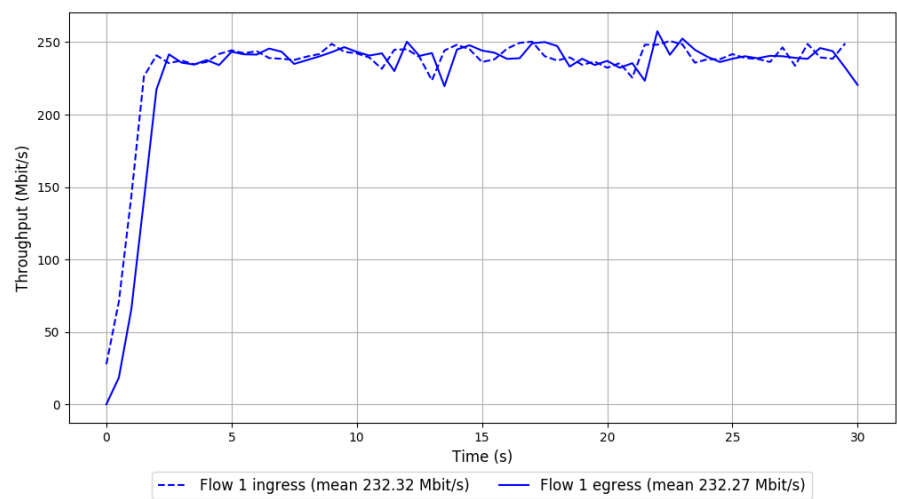
-- Flow 1:

Average throughput: 232.27 Mbit/s

95th percentile per-packet one-way delay: 56.966 ms

Loss rate: 0.42%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-04-24 15:52:34

End at: 2019-04-24 15:53:04

Local clock offset: 0.312 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-04-24 18:45:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.46 Mbit/s

95th percentile per-packet one-way delay: 57.791 ms

Loss rate: 0.41%

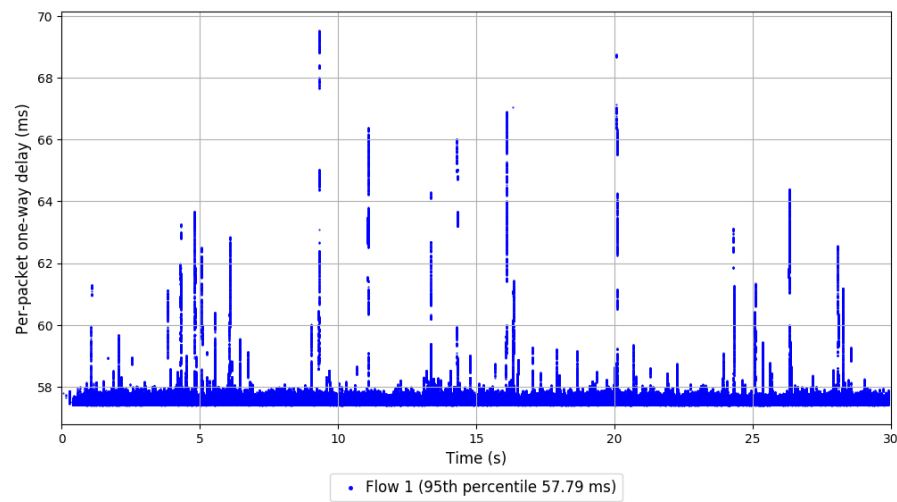
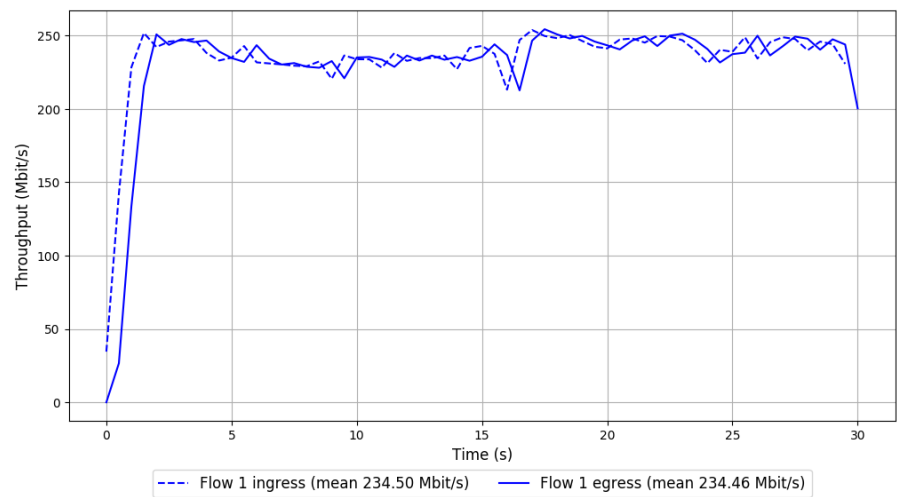
-- Flow 1:

Average throughput: 234.46 Mbit/s

95th percentile per-packet one-way delay: 57.791 ms

Loss rate: 0.41%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-04-24 16:23:51

End at: 2019-04-24 16:24:21

Local clock offset: -0.08 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2019-04-24 18:45:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.64 Mbit/s

95th percentile per-packet one-way delay: 56.941 ms

Loss rate: 0.41%

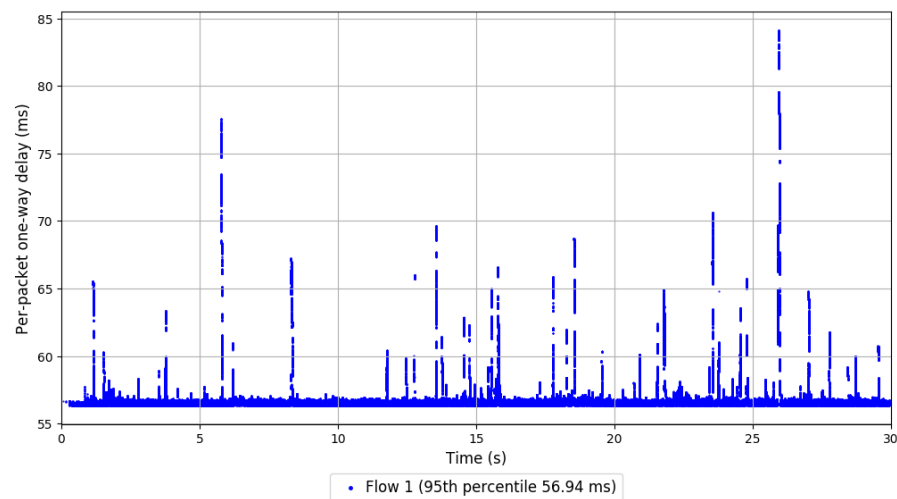
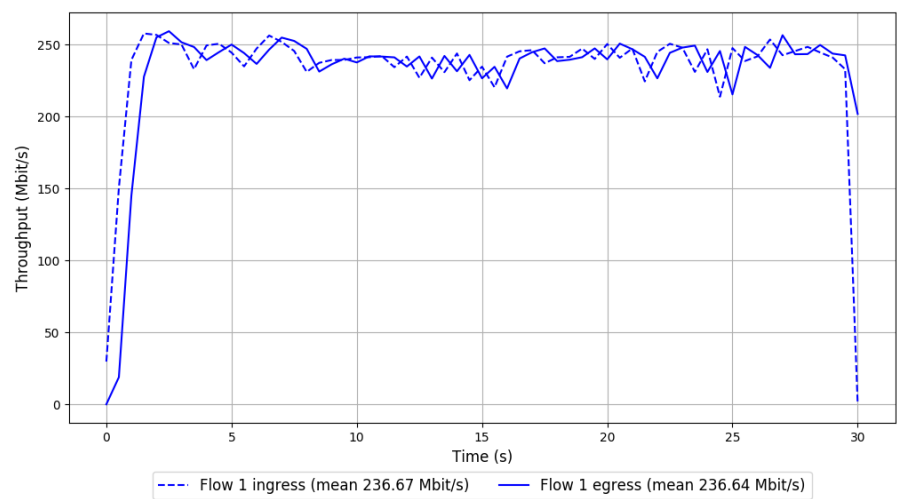
-- Flow 1:

Average throughput: 236.64 Mbit/s

95th percentile per-packet one-way delay: 56.941 ms

Loss rate: 0.41%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-04-24 16:55:38

End at: 2019-04-24 16:56:08

Local clock offset: -0.383 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2019-04-24 18:46:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.15 Mbit/s

95th percentile per-packet one-way delay: 60.875 ms

Loss rate: 0.43%

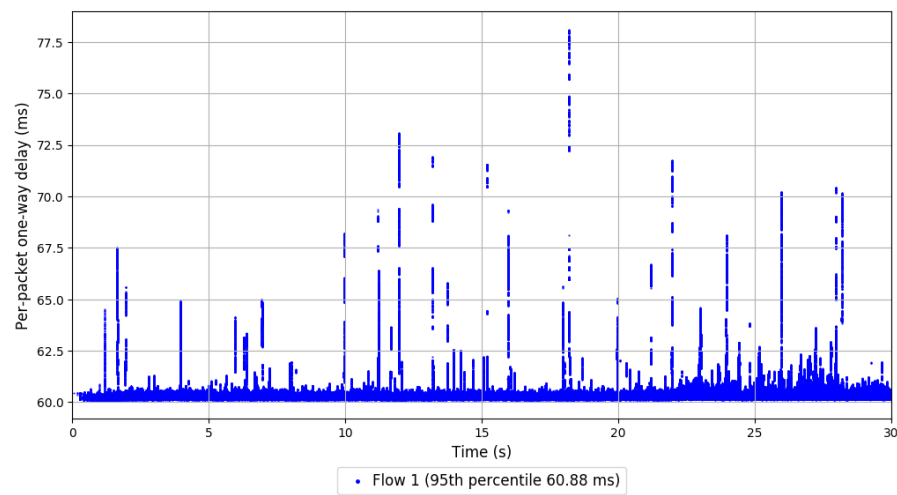
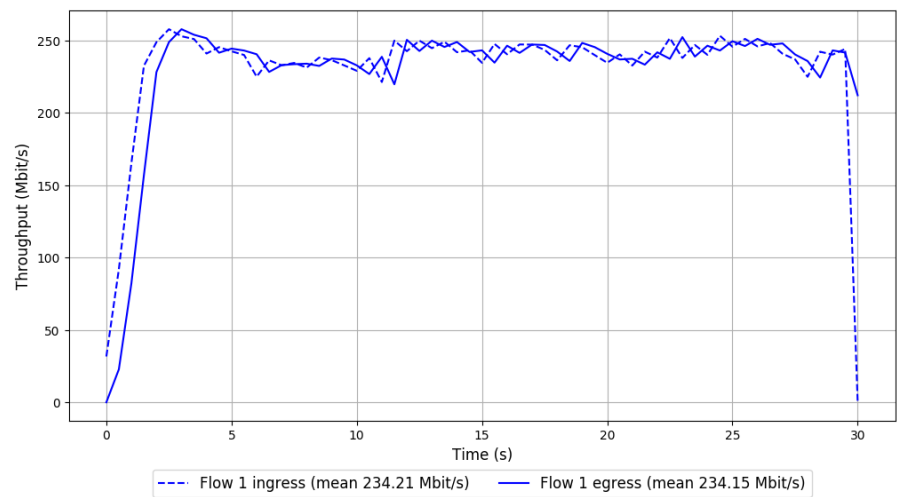
-- Flow 1:

Average throughput: 234.15 Mbit/s

95th percentile per-packet one-way delay: 60.875 ms

Loss rate: 0.43%

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

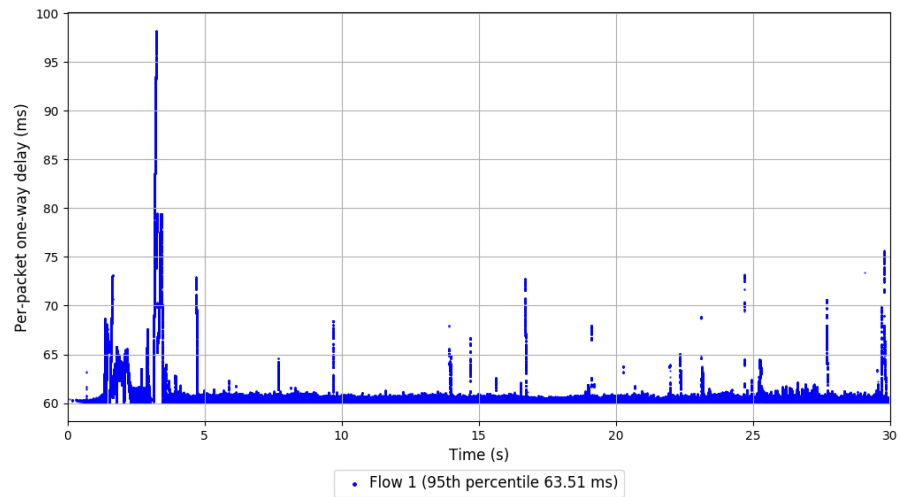
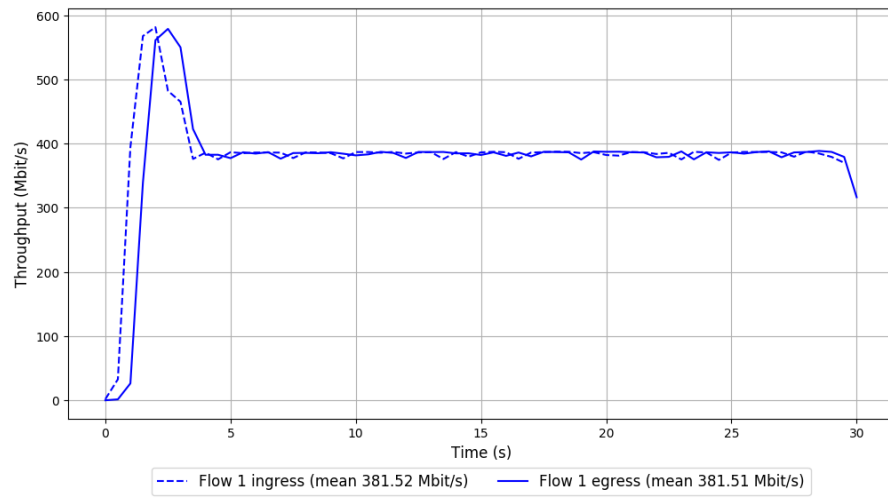


Run 1: Statistics of TCP Vegas

Start at: 2019-04-24 14:58:05
End at: 2019-04-24 14:58:35
Local clock offset: -0.518 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2019-04-24 18:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 381.51 Mbit/s
95th percentile per-packet one-way delay: 63.505 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 381.51 Mbit/s
95th percentile per-packet one-way delay: 63.505 ms
Loss rate: 0.41%

Run 1: Report of TCP Vegas — Data Link

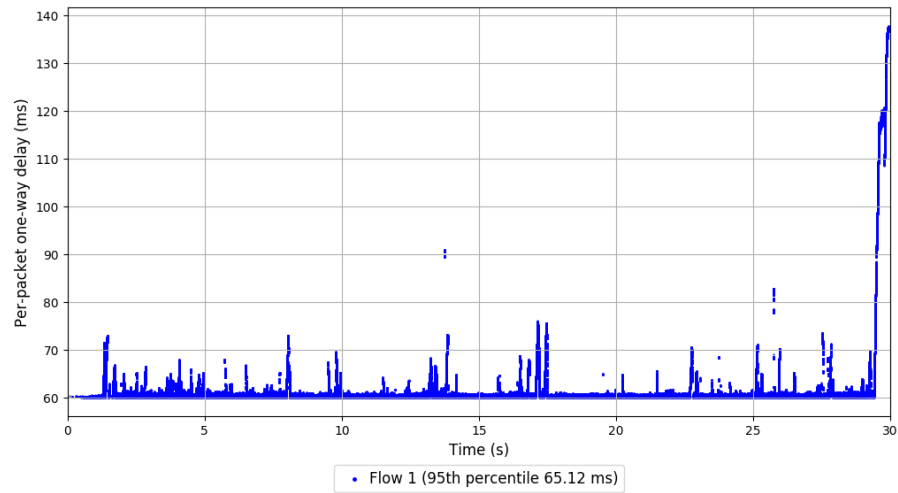
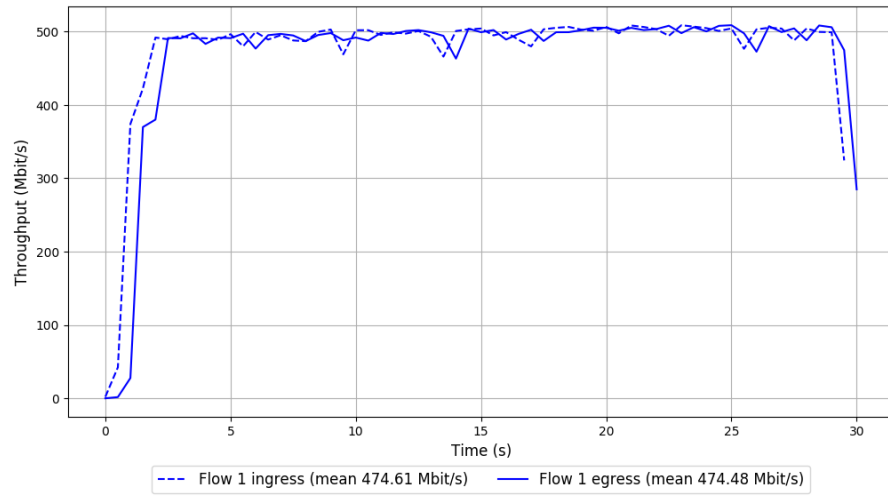


Run 2: Statistics of TCP Vegas

Start at: 2019-04-24 15:28:53
End at: 2019-04-24 15:29:23
Local clock offset: -0.285 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-04-24 18:49:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 474.48 Mbit/s
95th percentile per-packet one-way delay: 65.116 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 474.48 Mbit/s
95th percentile per-packet one-way delay: 65.116 ms
Loss rate: 0.42%

Run 2: Report of TCP Vegas — Data Link

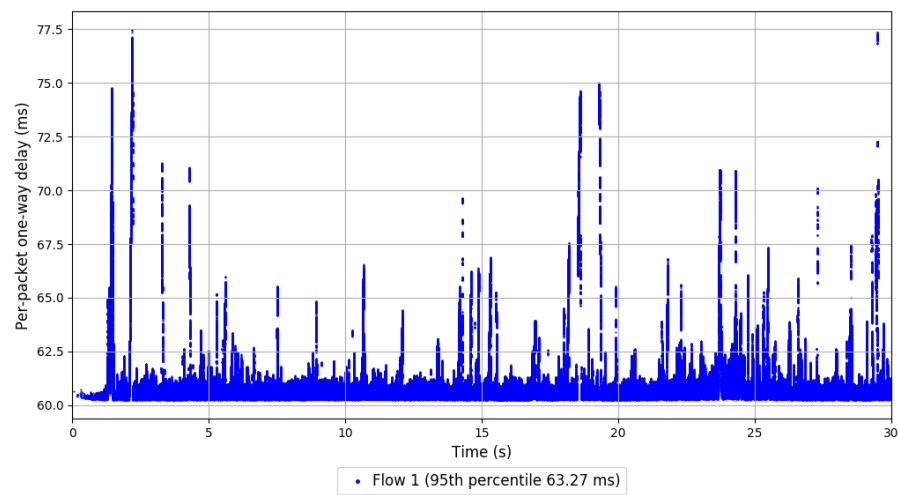
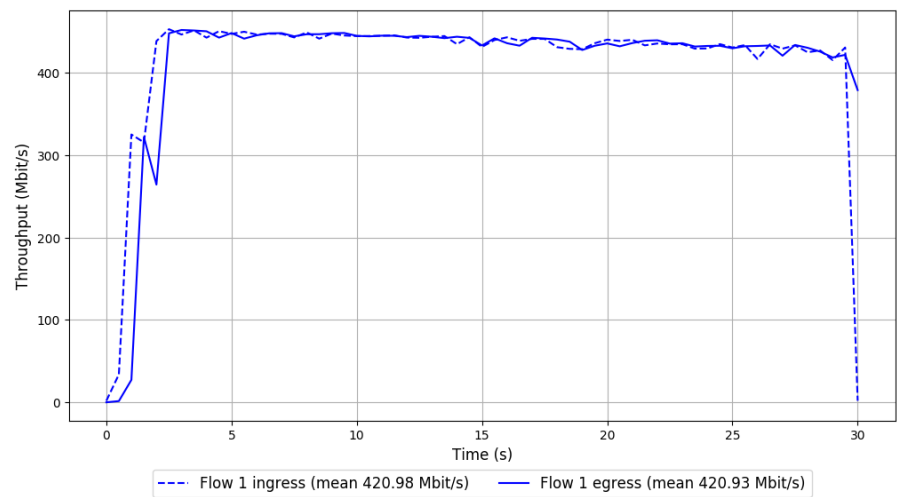


Run 3: Statistics of TCP Vegas

Start at: 2019-04-24 16:00:00
End at: 2019-04-24 16:00:30
Local clock offset: -0.068 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-04-24 18:51:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 420.93 Mbit/s
95th percentile per-packet one-way delay: 63.268 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 420.93 Mbit/s
95th percentile per-packet one-way delay: 63.268 ms
Loss rate: 0.41%

Run 3: Report of TCP Vegas — Data Link

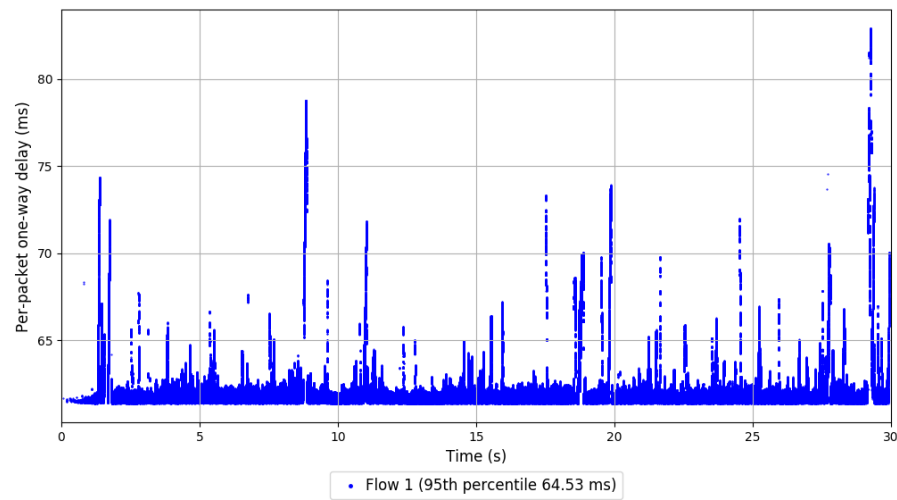
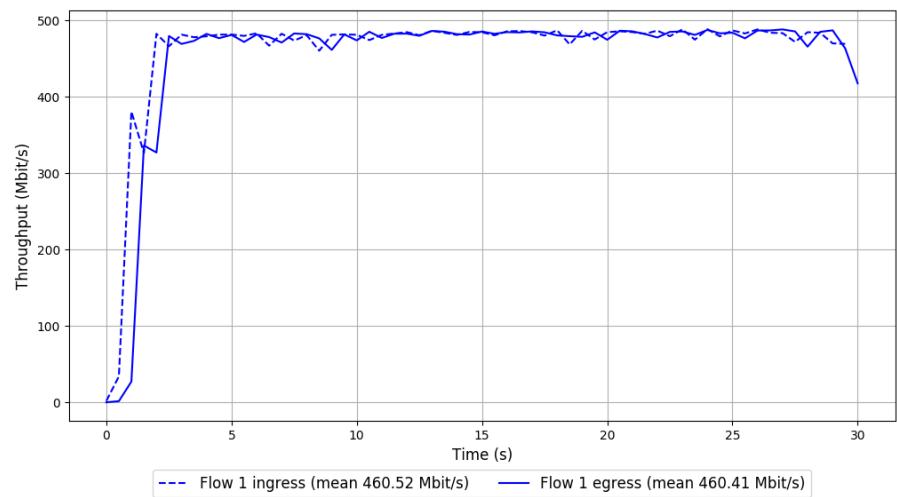


Run 4: Statistics of TCP Vegas

Start at: 2019-04-24 16:31:17
End at: 2019-04-24 16:31:47
Local clock offset: 0.318 ms
Remote clock offset: -0.983 ms

Below is generated by plot.py at 2019-04-24 18:53:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.41 Mbit/s
95th percentile per-packet one-way delay: 64.527 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 460.41 Mbit/s
95th percentile per-packet one-way delay: 64.527 ms
Loss rate: 0.43%

Run 4: Report of TCP Vegas — Data Link

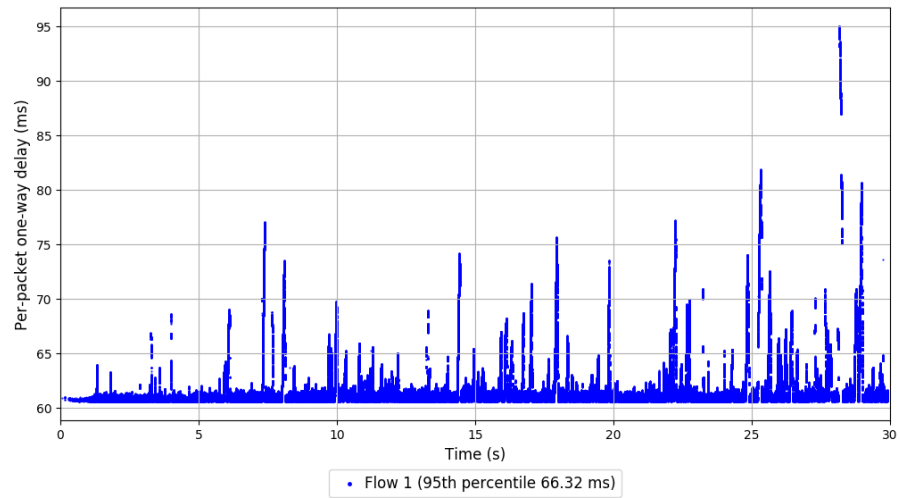
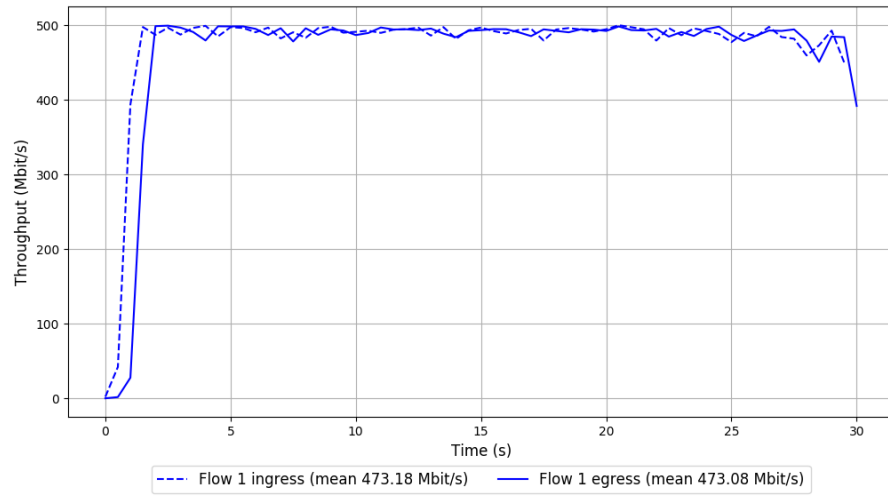


Run 5: Statistics of TCP Vegas

Start at: 2019-04-24 17:03:06
End at: 2019-04-24 17:03:36
Local clock offset: -0.116 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-04-24 18:53:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 473.08 Mbit/s
95th percentile per-packet one-way delay: 66.317 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 473.08 Mbit/s
95th percentile per-packet one-way delay: 66.317 ms
Loss rate: 0.42%

Run 5: Report of TCP Vegas — Data Link

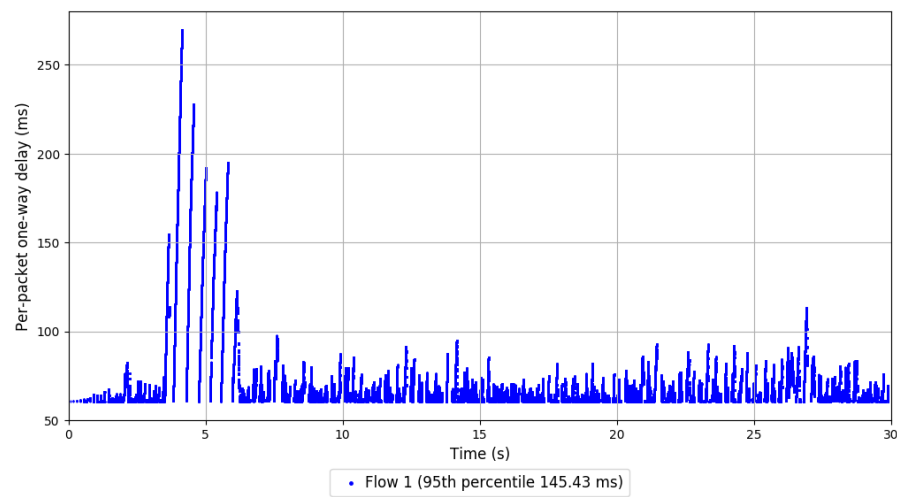
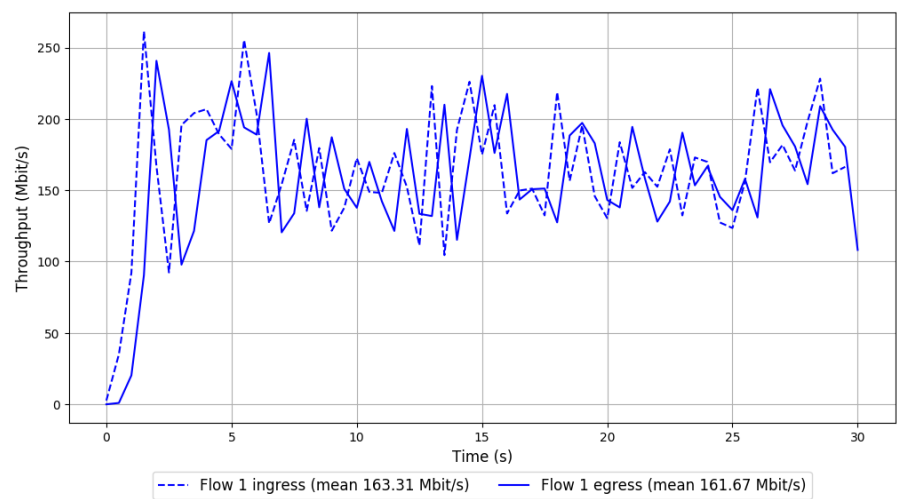


Run 1: Statistics of Verus

Start at: 2019-04-24 14:35:49
End at: 2019-04-24 14:36:19
Local clock offset: 0.313 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-04-24 18:53:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.67 Mbit/s
95th percentile per-packet one-way delay: 145.429 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 161.67 Mbit/s
95th percentile per-packet one-way delay: 145.429 ms
Loss rate: 1.39%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-04-24 15:06:25

End at: 2019-04-24 15:06:55

Local clock offset: -0.087 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-04-24 18:53:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.04 Mbit/s

95th percentile per-packet one-way delay: 196.158 ms

Loss rate: 3.02%

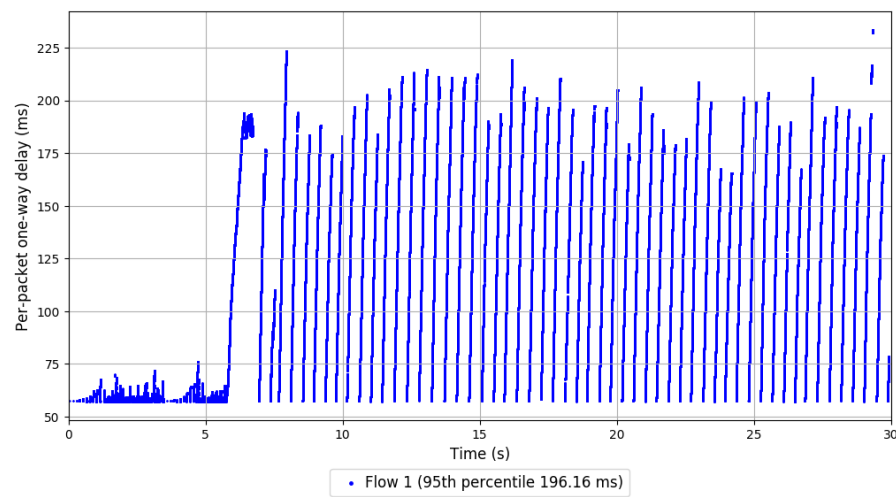
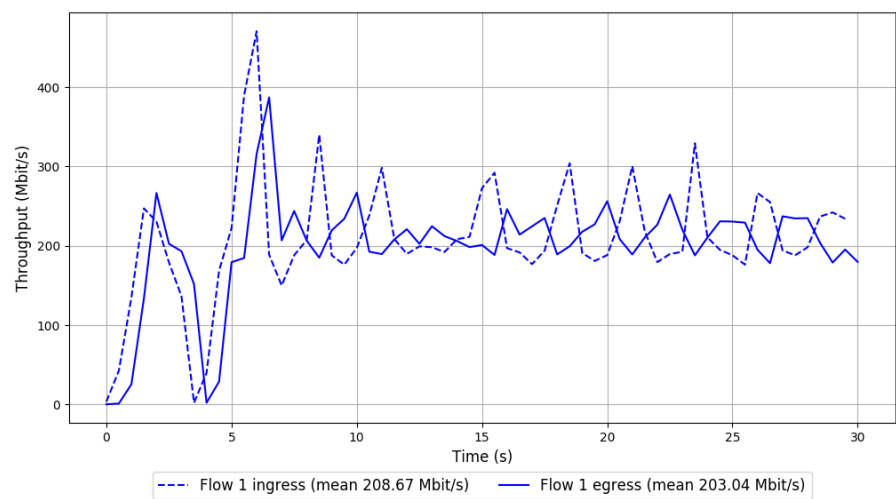
-- Flow 1:

Average throughput: 203.04 Mbit/s

95th percentile per-packet one-way delay: 196.158 ms

Loss rate: 3.02%

Run 2: Report of Verus — Data Link

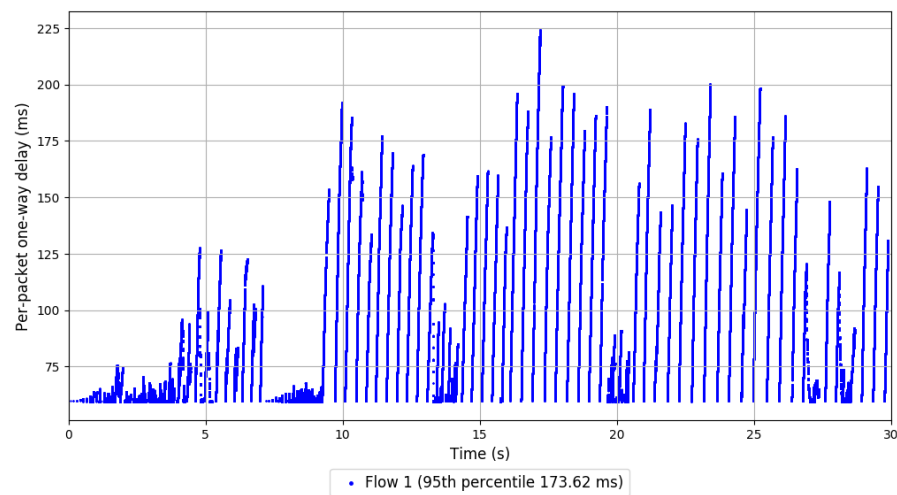
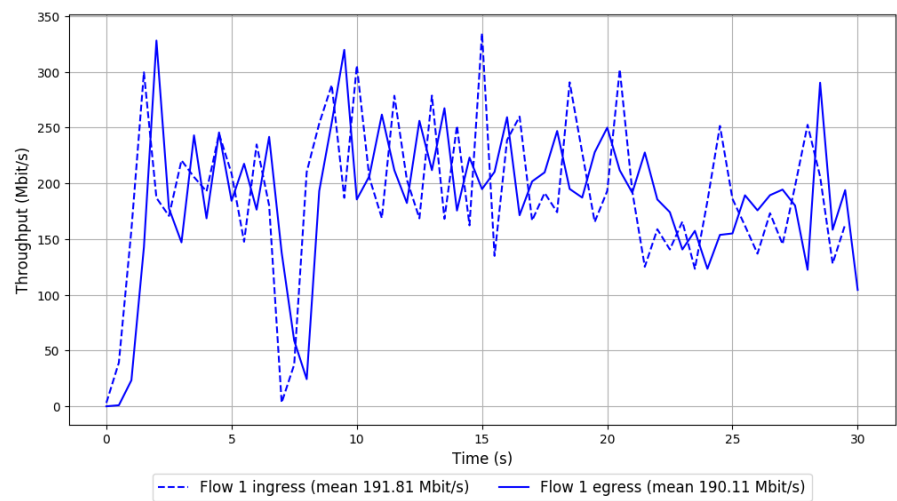


Run 3: Statistics of Verus

Start at: 2019-04-24 15:37:29
End at: 2019-04-24 15:37:59
Local clock offset: -0.086 ms
Remote clock offset: 0.529 ms

Below is generated by plot.py at 2019-04-24 18:53:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.11 Mbit/s
95th percentile per-packet one-way delay: 173.621 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 190.11 Mbit/s
95th percentile per-packet one-way delay: 173.621 ms
Loss rate: 0.83%

Run 3: Report of Verus — Data Link

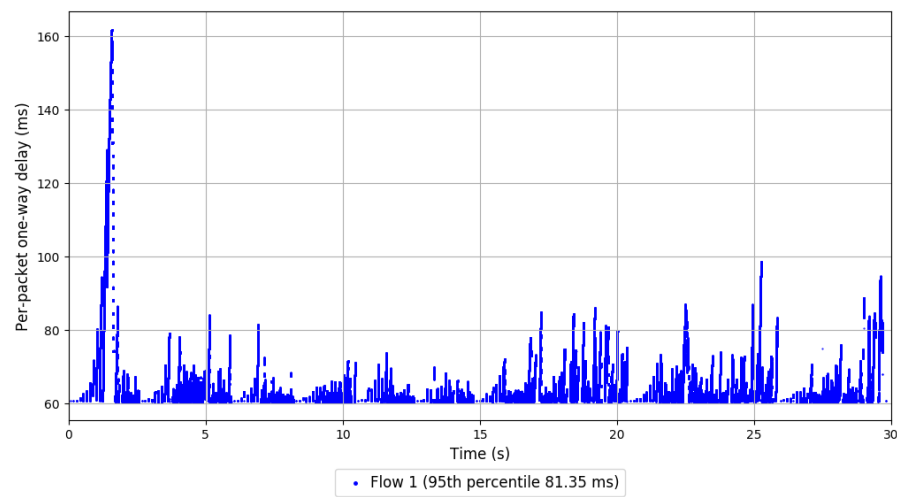
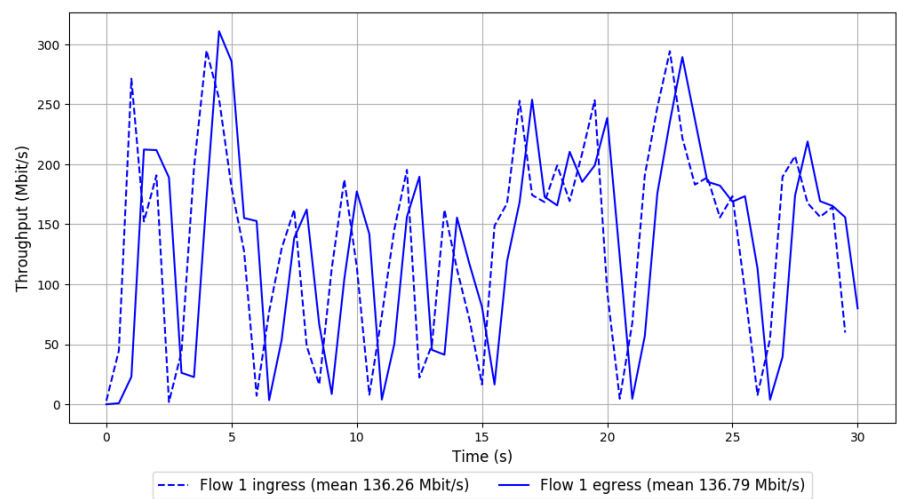


Run 4: Statistics of Verus

Start at: 2019-04-24 16:08:32
End at: 2019-04-24 16:09:02
Local clock offset: -0.084 ms
Remote clock offset: -0.652 ms

Below is generated by plot.py at 2019-04-24 18:53:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.79 Mbit/s
95th percentile per-packet one-way delay: 81.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.79 Mbit/s
95th percentile per-packet one-way delay: 81.347 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

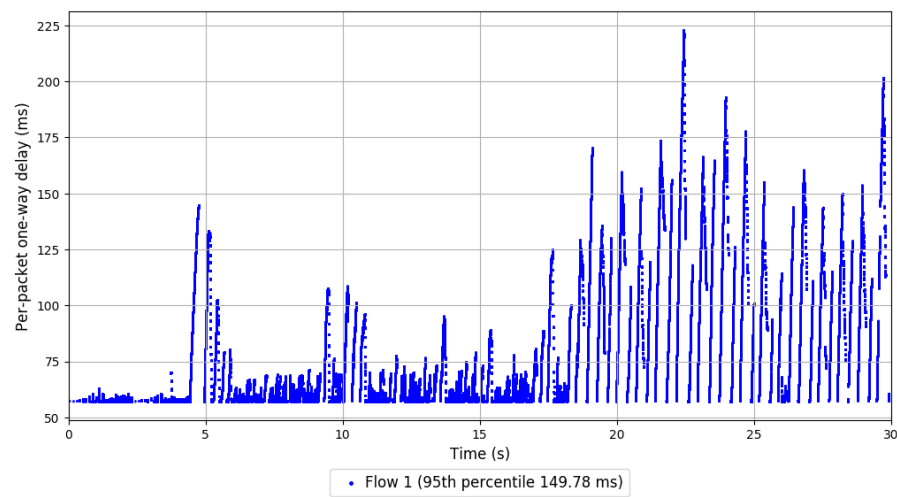
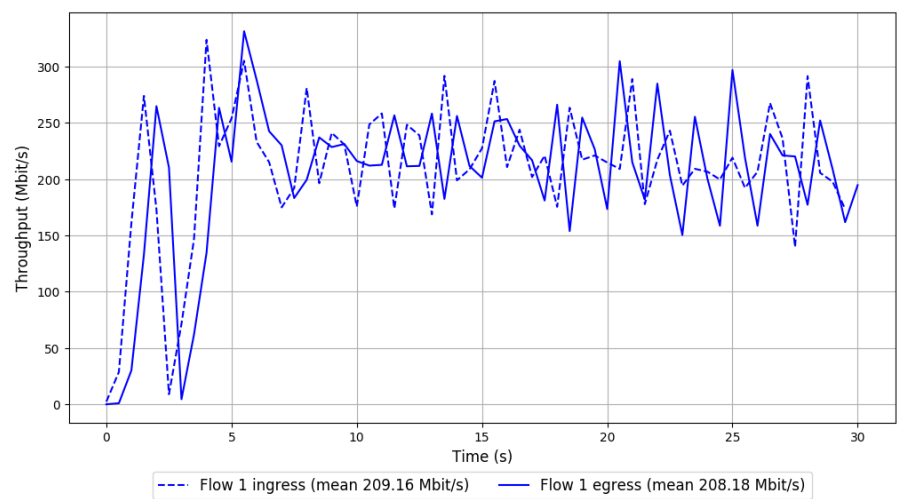


Run 5: Statistics of Verus

Start at: 2019-04-24 16:39:57
End at: 2019-04-24 16:40:27
Local clock offset: -0.089 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-04-24 18:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.18 Mbit/s
95th percentile per-packet one-way delay: 149.783 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 208.18 Mbit/s
95th percentile per-packet one-way delay: 149.783 ms
Loss rate: 0.64%

Run 5: Report of Verus — Data Link

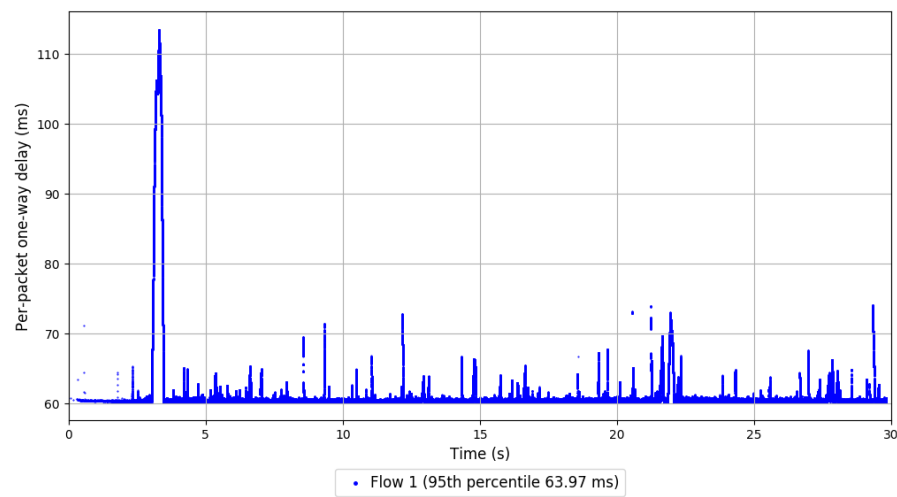
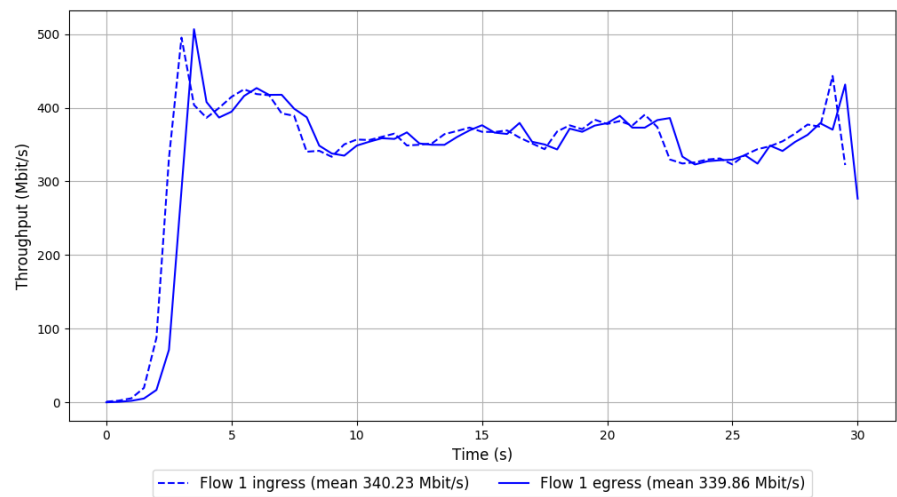


Run 1: Statistics of PCC-Vivace

Start at: 2019-04-24 14:53:40
End at: 2019-04-24 14:54:10
Local clock offset: 0.144 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2019-04-24 18:56:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.86 Mbit/s
95th percentile per-packet one-way delay: 63.973 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 339.86 Mbit/s
95th percentile per-packet one-way delay: 63.973 ms
Loss rate: 0.51%

Run 1: Report of PCC-Vivace — Data Link

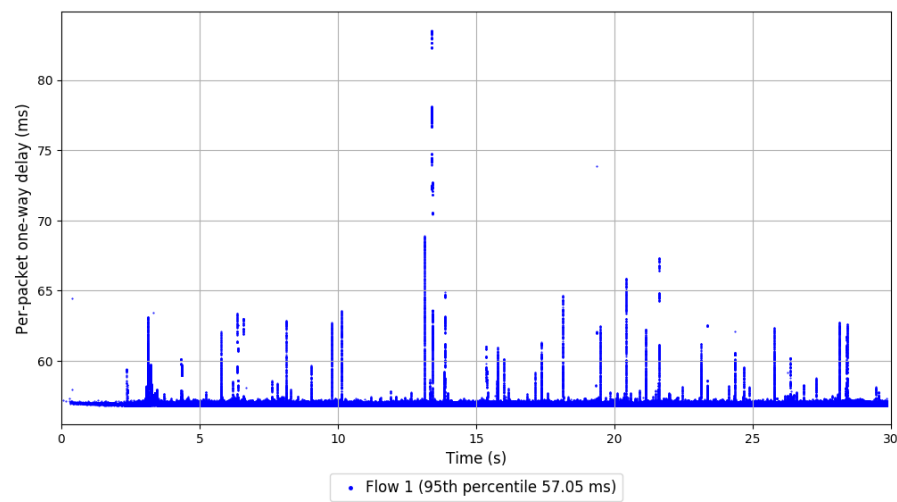
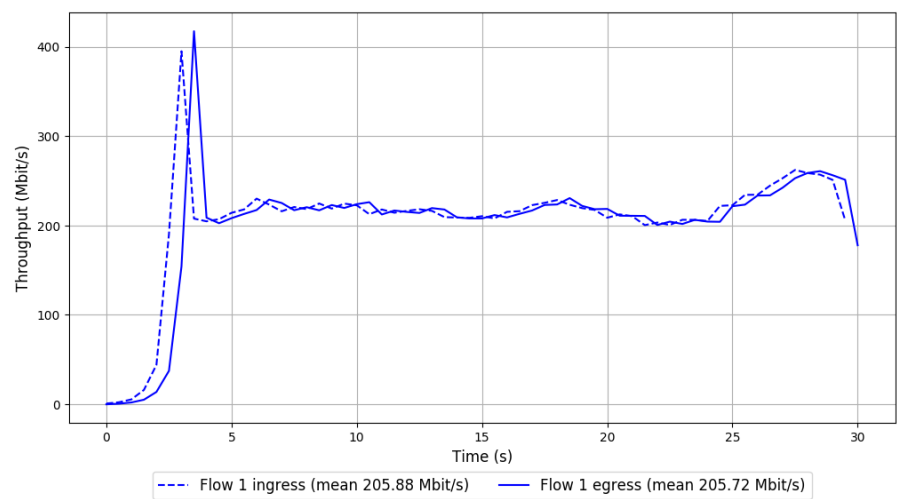


Run 2: Statistics of PCC-Vivace

Start at: 2019-04-24 15:24:41
End at: 2019-04-24 15:25:11
Local clock offset: -0.132 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-04-24 18:56:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.72 Mbit/s
95th percentile per-packet one-way delay: 57.046 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 205.72 Mbit/s
95th percentile per-packet one-way delay: 57.046 ms
Loss rate: 0.47%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-04-24 15:55:42

End at: 2019-04-24 15:56:13

Local clock offset: -0.13 ms

Remote clock offset: -0.276 ms

Below is generated by plot.py at 2019-04-24 18:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.40 Mbit/s

95th percentile per-packet one-way delay: 70.305 ms

Loss rate: 0.37%

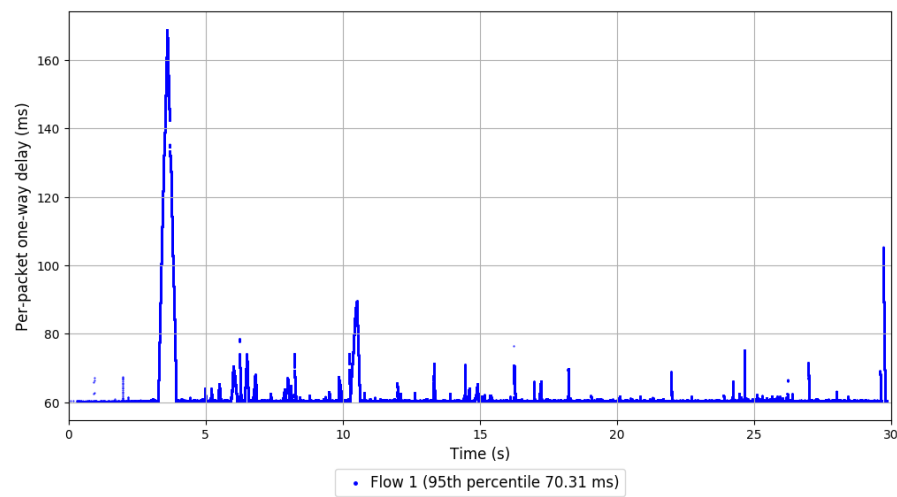
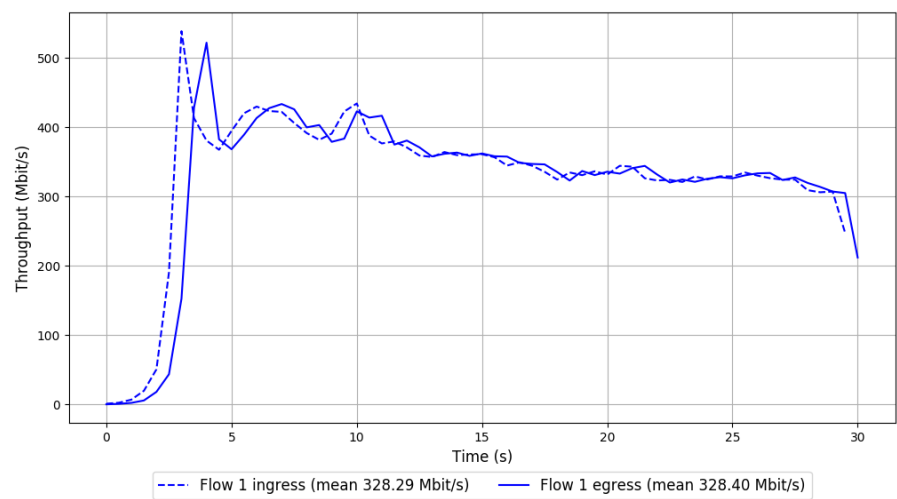
-- Flow 1:

Average throughput: 328.40 Mbit/s

95th percentile per-packet one-way delay: 70.305 ms

Loss rate: 0.37%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-04-24 16:26:56

End at: 2019-04-24 16:27:26

Local clock offset: 0.355 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2019-04-24 18:56:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.42 Mbit/s

95th percentile per-packet one-way delay: 63.685 ms

Loss rate: 0.50%

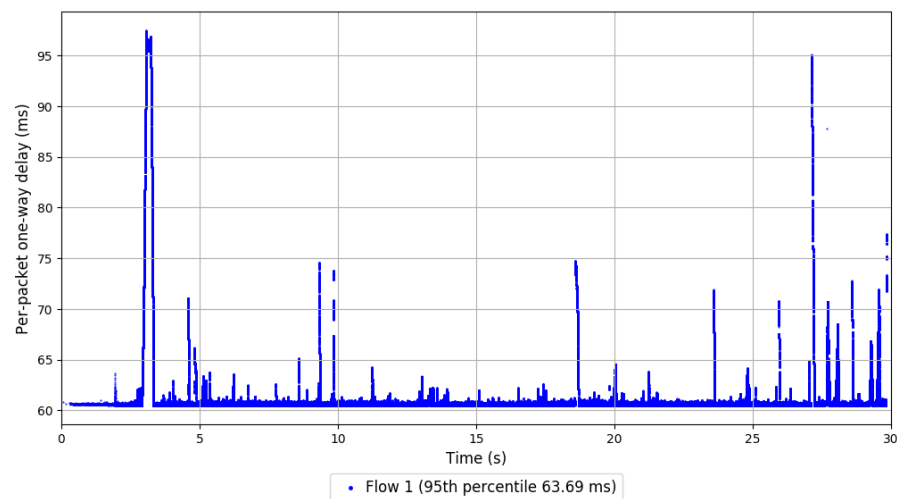
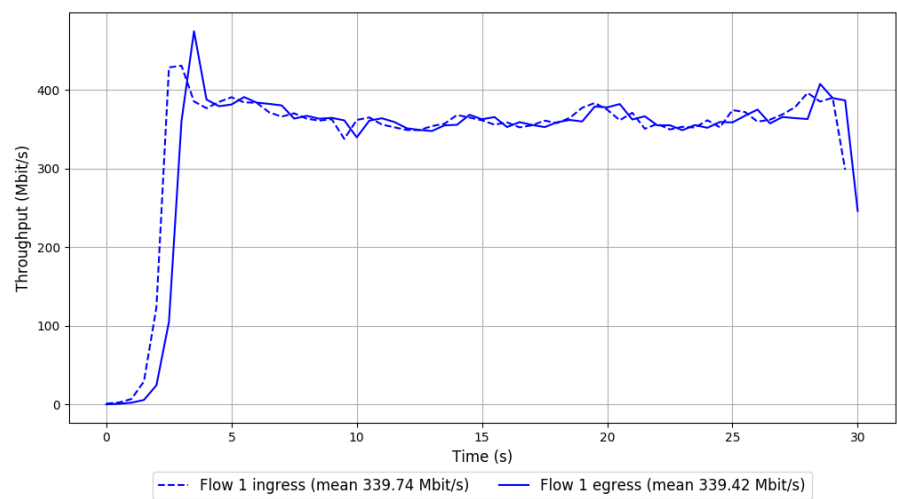
-- Flow 1:

Average throughput: 339.42 Mbit/s

95th percentile per-packet one-way delay: 63.685 ms

Loss rate: 0.50%

Run 4: Report of PCC-Vivace — Data Link

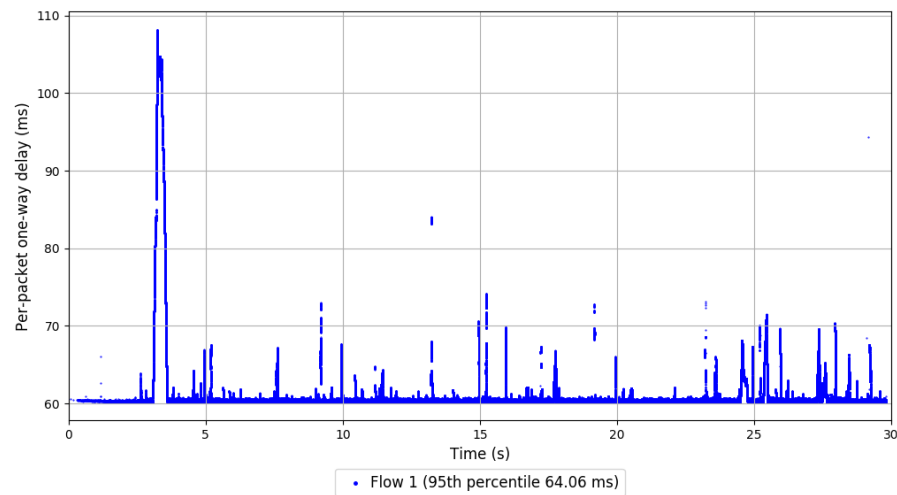
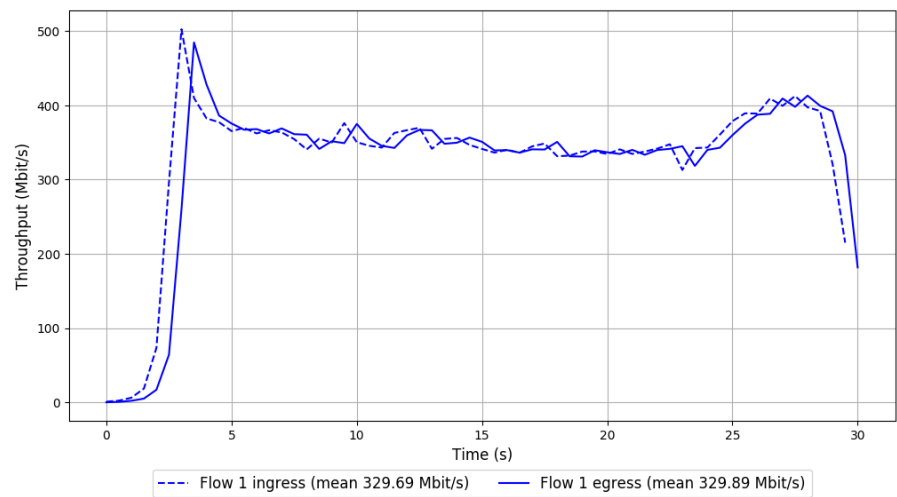


Run 5: Statistics of PCC-Vivace

Start at: 2019-04-24 16:58:50
End at: 2019-04-24 16:59:20
Local clock offset: -0.462 ms
Remote clock offset: -0.678 ms

Below is generated by plot.py at 2019-04-24 18:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.89 Mbit/s
95th percentile per-packet one-way delay: 64.062 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 329.89 Mbit/s
95th percentile per-packet one-way delay: 64.062 ms
Loss rate: 0.34%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

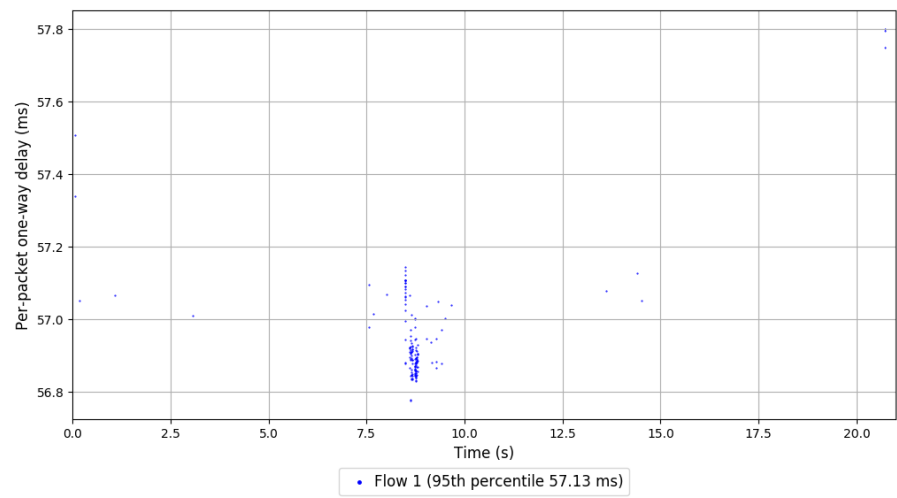
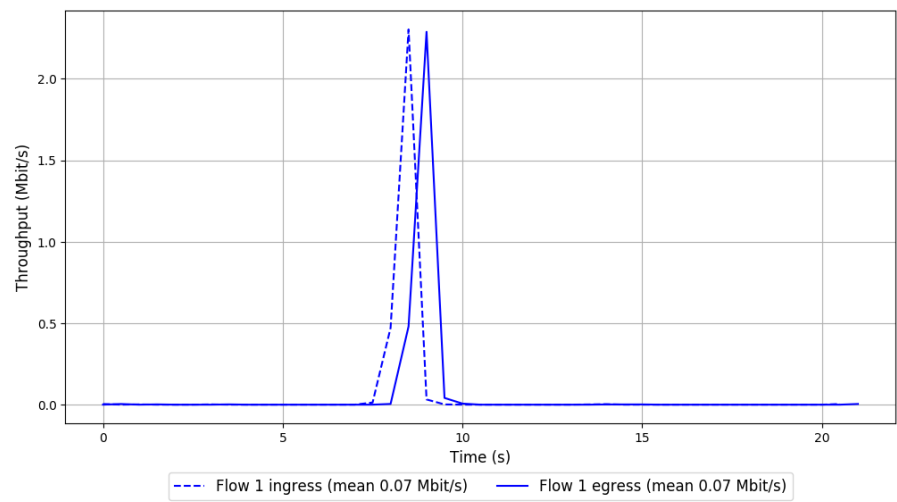
Start at: 2019-04-24 14:40:19

End at: 2019-04-24 14:40:49

Local clock offset: -0.324 ms

Remote clock offset: -0.225 ms

Run 1: Report of WebRTC media — Data Link

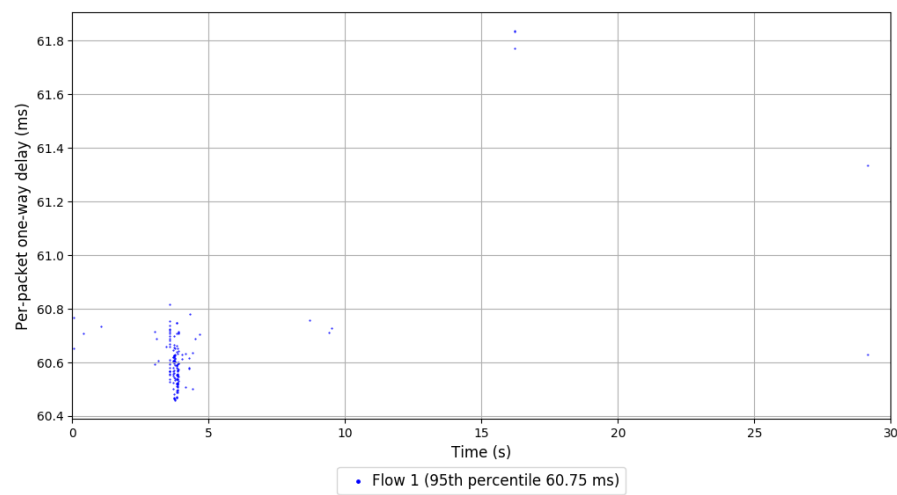
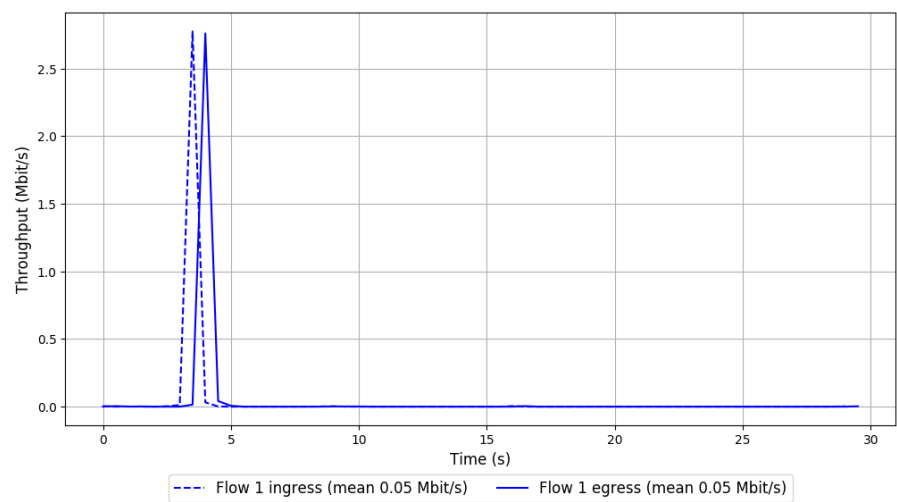


Run 2: Statistics of WebRTC media

Start at: 2019-04-24 15:11:04
End at: 2019-04-24 15:11:34
Local clock offset: -0.063 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2019-04-24 18:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.754 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

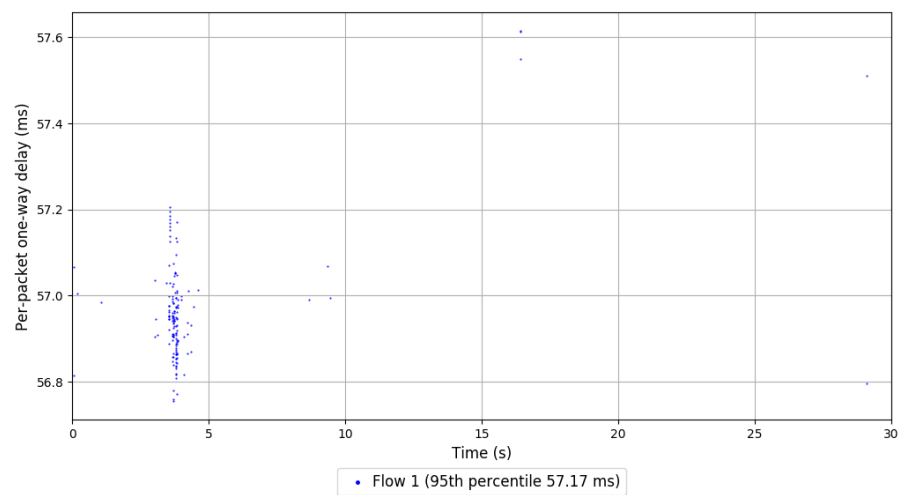
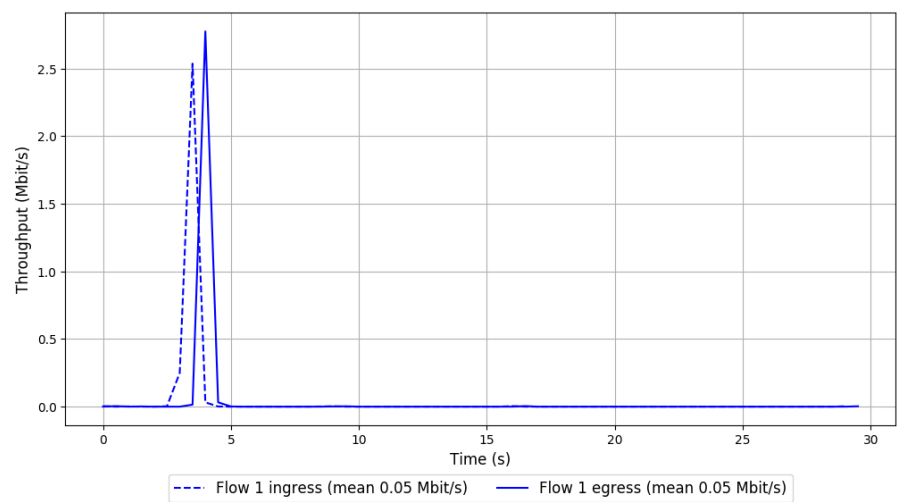


Run 3: Statistics of WebRTC media

Start at: 2019-04-24 15:42:10
End at: 2019-04-24 15:42:40
Local clock offset: -0.349 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2019-04-24 18:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.171 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

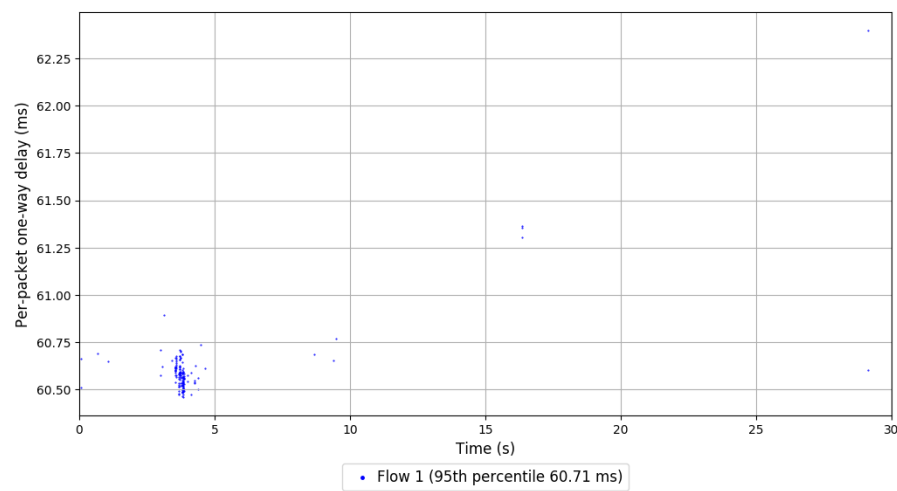
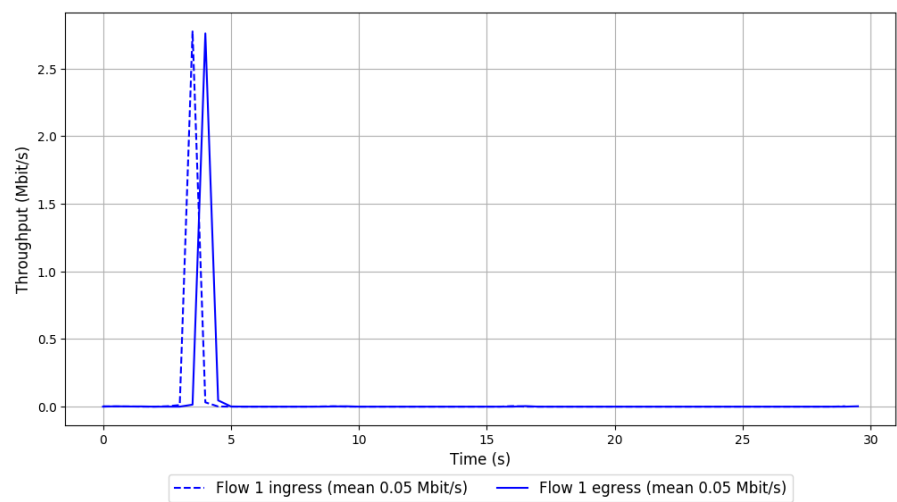


Run 4: Statistics of WebRTC media

Start at: 2019-04-24 16:13:14
End at: 2019-04-24 16:13:44
Local clock offset: -0.083 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-04-24 18:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.706 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-04-24 16:44:50
End at: 2019-04-24 16:45:20
Local clock offset: 0.314 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-04-24 18:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 57.632 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

