

Pantheon Report

Generated at 2019-07-11 21:01:41 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India on `em1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

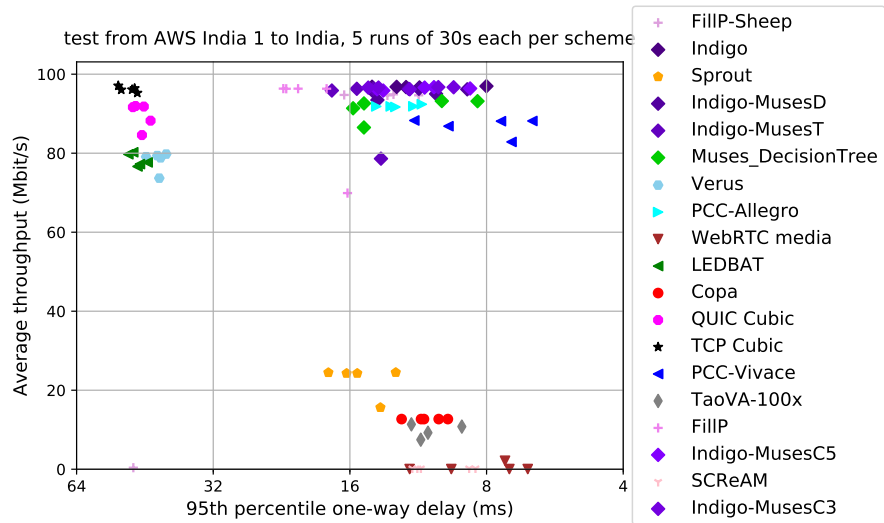
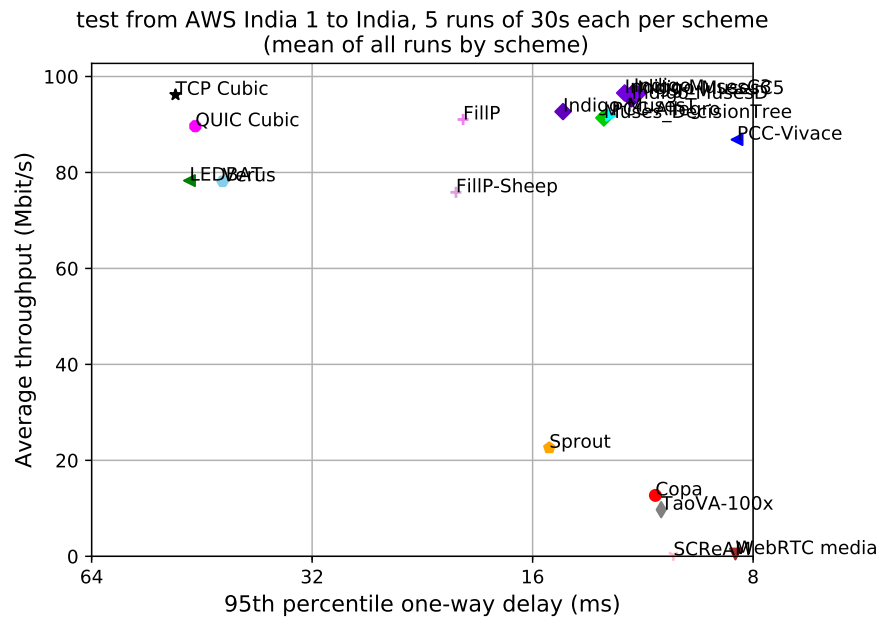
System info:

```
Linux 4.15.0-1041-aws
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 @ 2076e1149a241f3edb4365d686df32342bf9561f
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/muses_dtree @ 11c9498ecb1596b02ccd896791a02d03172af7ed
M helpers/__init__.pyc
M helpers/context.pyc
M helpers/utls.pyc
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
```

```
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	0	N/A	N/A	N/A
Copa	5	12.69	10.88	70.58
TCP Cubic	5	96.18	49.17	0.42
FillP	5	91.05	19.91	2.50
FillP-Sheep	5	75.87	20.36	8.55
Indigo	5	96.79	11.64	0.00
Indigo-MusesC3	5	96.57	11.98	0.02
Indigo-MusesC5	5	96.36	11.51	0.00
Indigo-MusesD	5	95.35	11.72	0.00
Indigo-MusesT	5	92.68	14.54	0.19
LEDBAT	5	78.30	47.06	0.19
Muses_DecisionTree	5	91.37	12.79	0.00
Muses_DecisionTreeH0	0	N/A	N/A	N/A
Muses_DecisionTreeR0	0	N/A	N/A	N/A
PCC-Allegro	5	91.93	12.48	0.29
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	89.64	46.20	0.58
SCReAM	5	0.21	10.28	0.00
Sprout	5	22.63	15.18	5.25
TaoVA-100x	4	9.71	10.68	73.87
TCP Vegas	0	N/A	N/A	N/A
Verus	5	78.16	42.39	21.39
PCC-Vivace	5	86.85	8.42	0.00
WebRTC media	5	0.47	8.46	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-11 18:54:43

End at: 2019-07-11 18:55:13

Local clock offset: -10.067 ms

Remote clock offset: -1.044 ms

Run 1: Report of TCP BBR — Data Link

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Figure is missing

Run 2: Statistics of TCP BBR

Start at: 2019-07-11 19:22:28

End at: 2019-07-11 19:22:58

Local clock offset: -15.759 ms

Remote clock offset: -0.86 ms

Run 2: Report of TCP BBR — Data Link

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Figure is missing

Run 3: Statistics of TCP BBR

Start at: 2019-07-11 19:49:58

End at: 2019-07-11 19:50:28

Local clock offset: -7.389 ms

Remote clock offset: 0.361 ms

Run 3: Report of TCP BBR — Data Link

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Figure is missing

Run 4: Statistics of TCP BBR

Start at: 2019-07-11 20:17:28

End at: 2019-07-11 20:17:58

Local clock offset: -2.584 ms

Remote clock offset: -0.23 ms

Run 4: Report of TCP BBR — Data Link

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Figure is missing

Run 5: Statistics of TCP BBR

Start at: 2019-07-11 20:45:28

End at: 2019-07-11 20:45:58

Local clock offset: 1.113 ms

Remote clock offset: -2.863 ms

Run 5: Report of TCP BBR — Data Link

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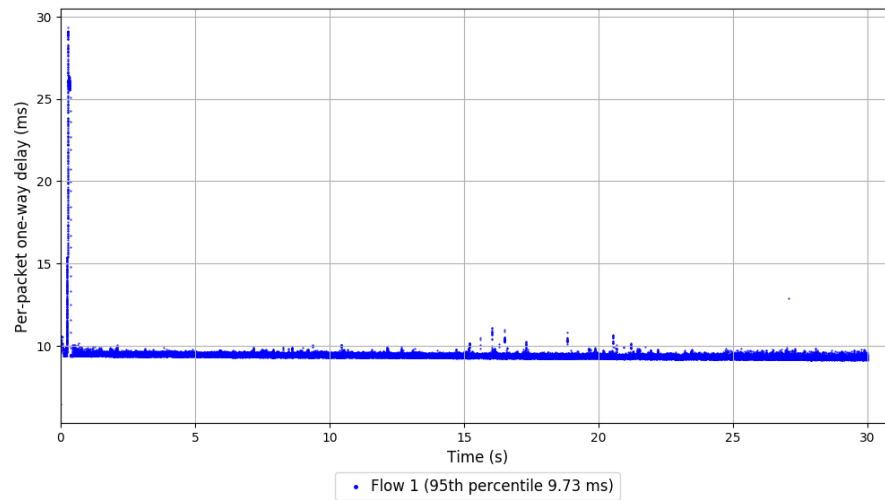
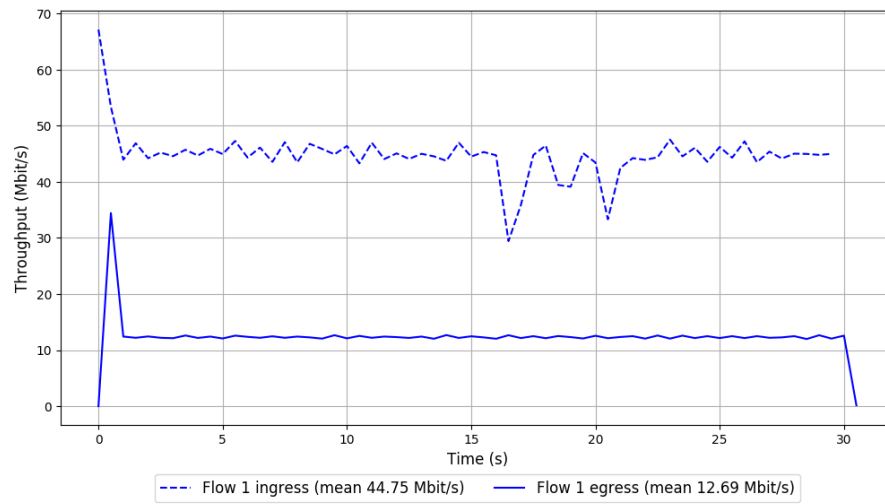
Figure is missing

Run 1: Statistics of Copa

Start at: 2019-07-11 18:58:03
End at: 2019-07-11 18:58:33
Local clock offset: -11.026 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2019-07-11 20:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 9.735 ms
Loss rate: 71.63%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 9.735 ms
Loss rate: 71.63%

Run 1: Report of Copa — Data Link

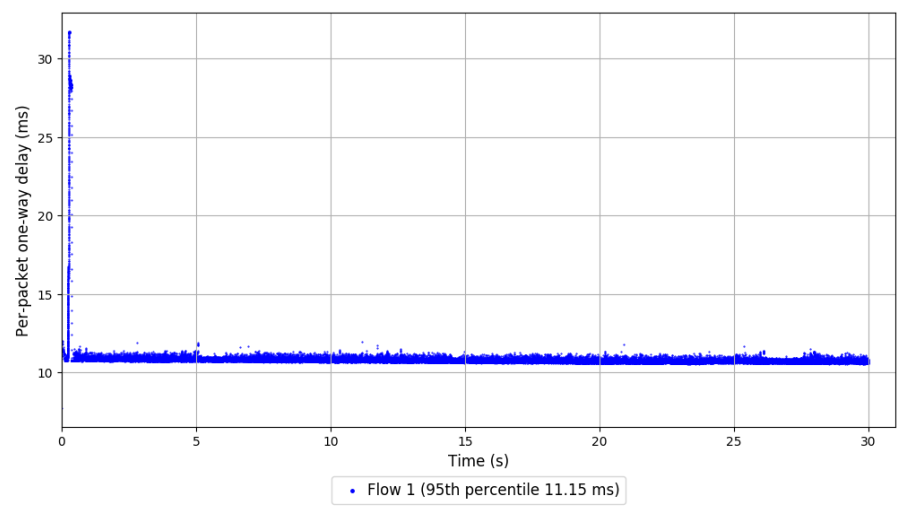
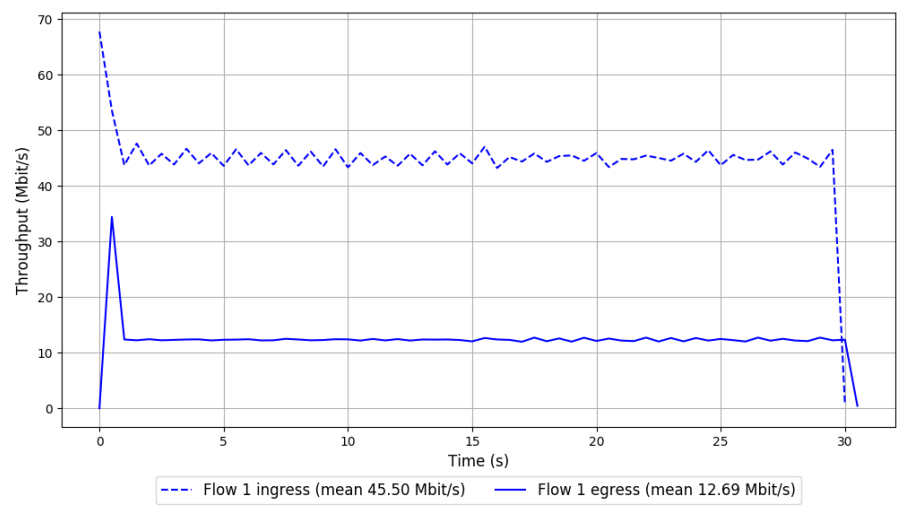


Run 2: Statistics of Copa

Start at: 2019-07-11 19:25:50
End at: 2019-07-11 19:26:20
Local clock offset: -16.499 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2019-07-11 20:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 11.152 ms
Loss rate: 72.10%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 11.152 ms
Loss rate: 72.10%

Run 2: Report of Copa — Data Link

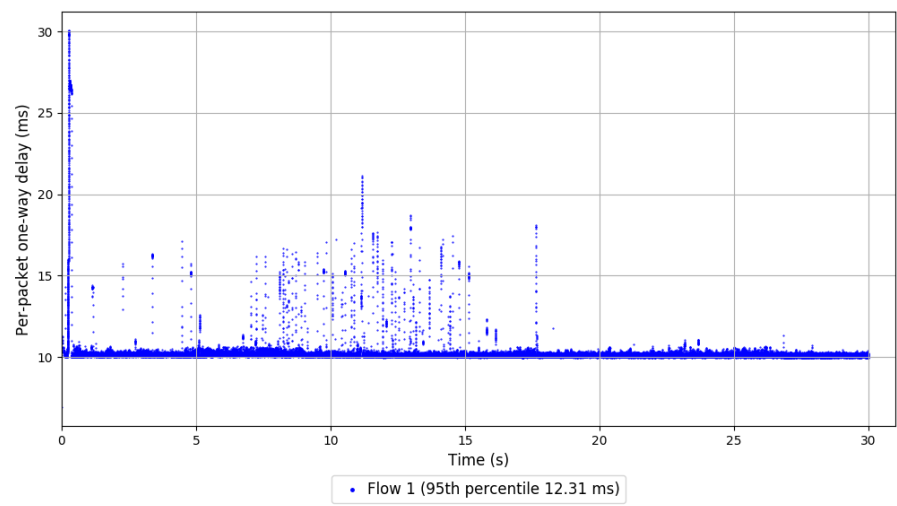
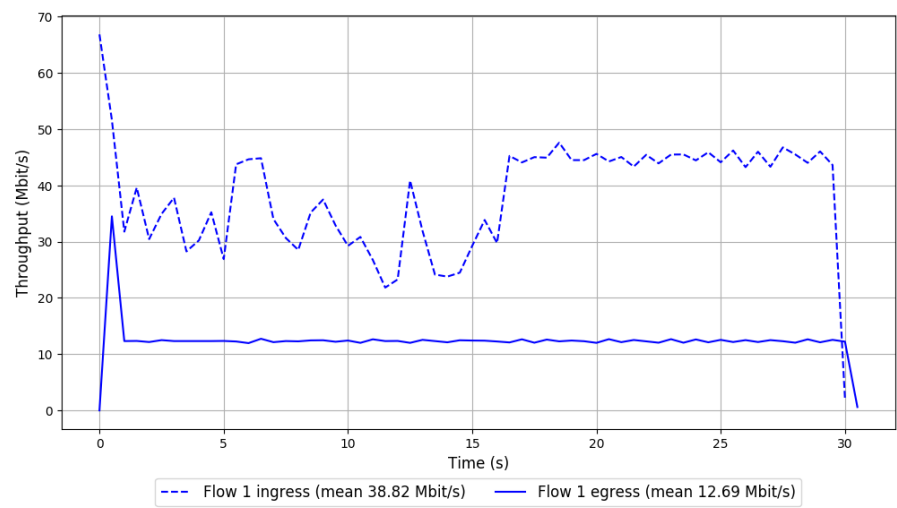


Run 3: Statistics of Copa

Start at: 2019-07-11 19:53:21
End at: 2019-07-11 19:53:51
Local clock offset: -7.415 ms
Remote clock offset: -1.023 ms

Below is generated by plot.py at 2019-07-11 20:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 12.310 ms
Loss rate: 67.30%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 12.310 ms
Loss rate: 67.30%

Run 3: Report of Copa — Data Link

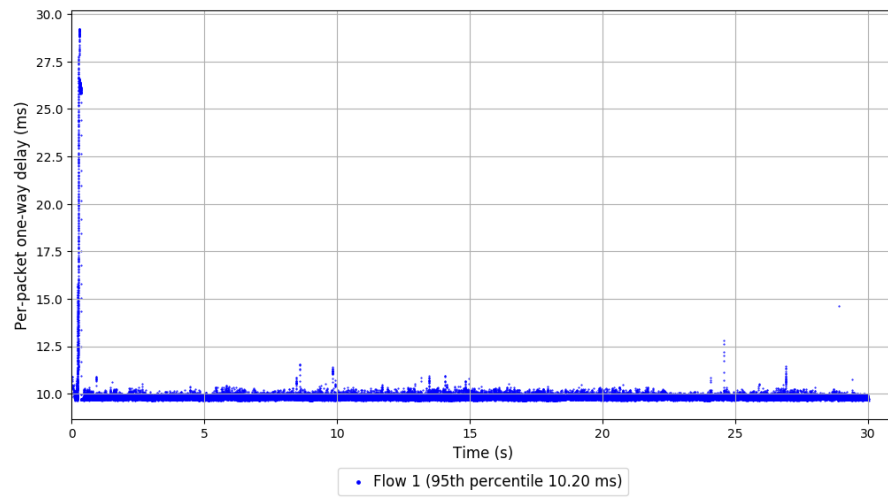
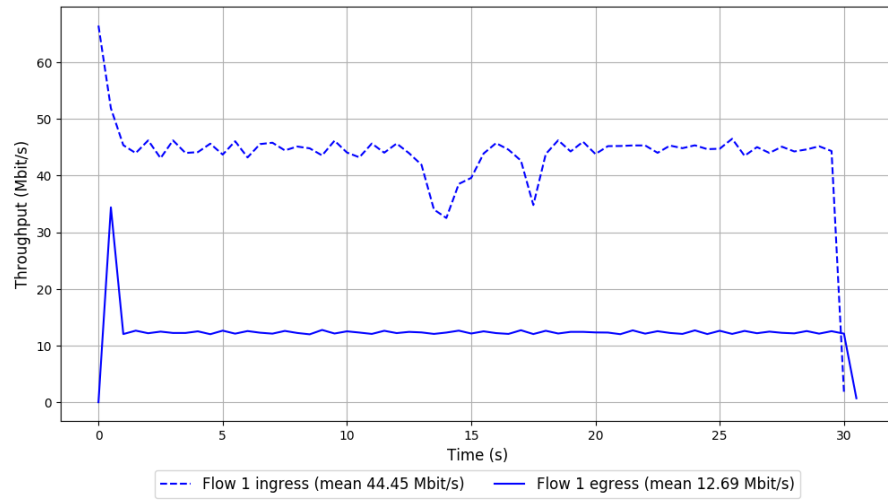


Run 4: Statistics of Copa

Start at: 2019-07-11 20:20:55
End at: 2019-07-11 20:21:25
Local clock offset: -2.403 ms
Remote clock offset: -1.407 ms

Below is generated by plot.py at 2019-07-11 20:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 10.198 ms
Loss rate: 71.44%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 10.198 ms
Loss rate: 71.44%

Run 4: Report of Copa — Data Link

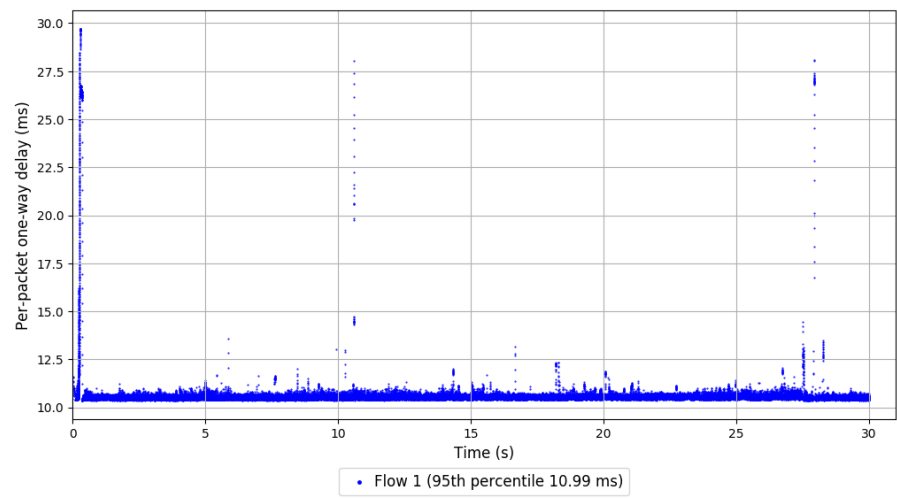
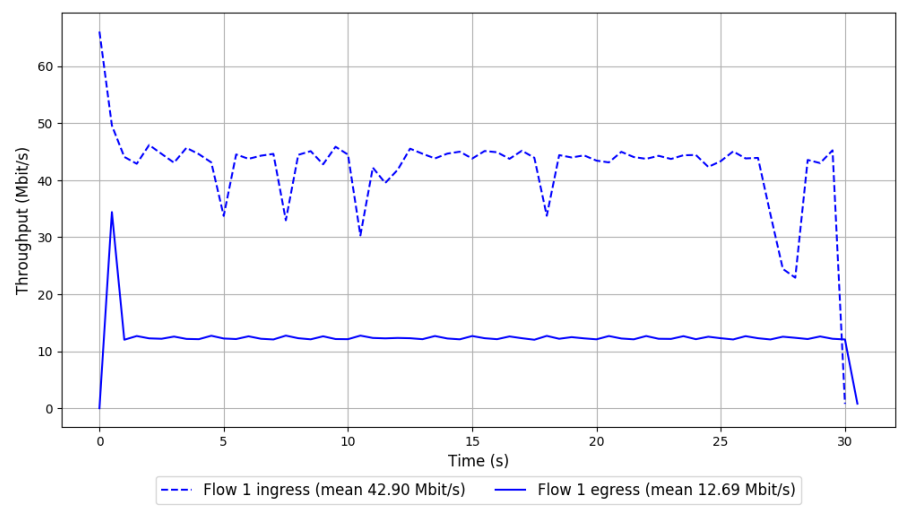


Run 5: Statistics of Copa

Start at: 2019-07-11 20:48:50
End at: 2019-07-11 20:49:20
Local clock offset: 1.284 ms
Remote clock offset: -1.587 ms

Below is generated by plot.py at 2019-07-11 20:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 10.990 ms
Loss rate: 70.41%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 10.990 ms
Loss rate: 70.41%

Run 5: Report of Copa — Data Link

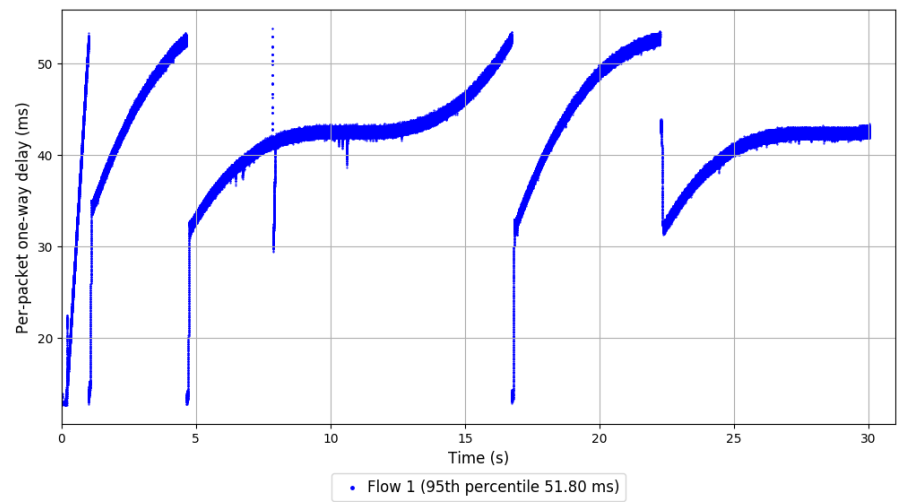
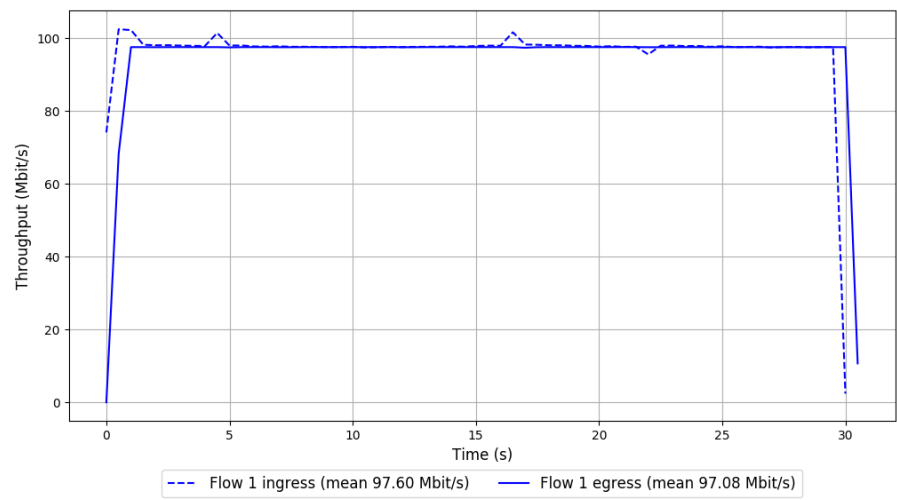


Run 1: Statistics of TCP Cubic

Start at: 2019-07-11 18:47:39
End at: 2019-07-11 18:48:09
Local clock offset: -11.412 ms
Remote clock offset: -0.92 ms

Below is generated by plot.py at 2019-07-11 20:52:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link

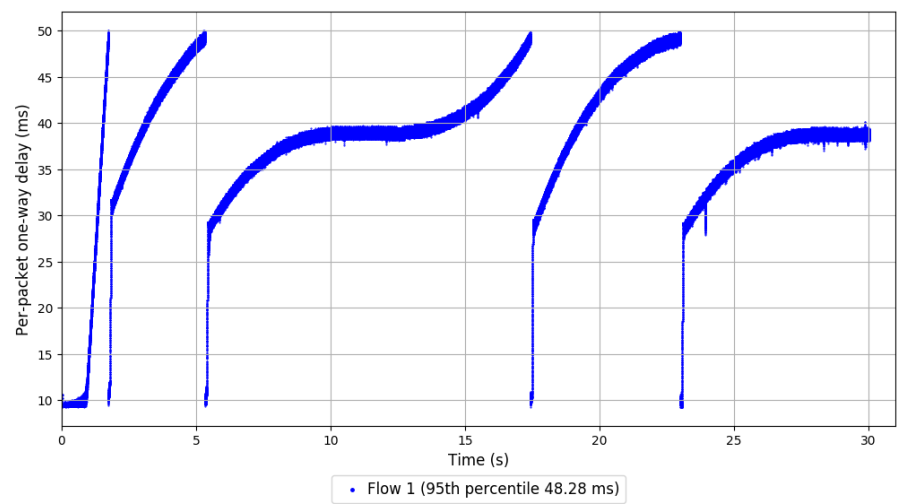
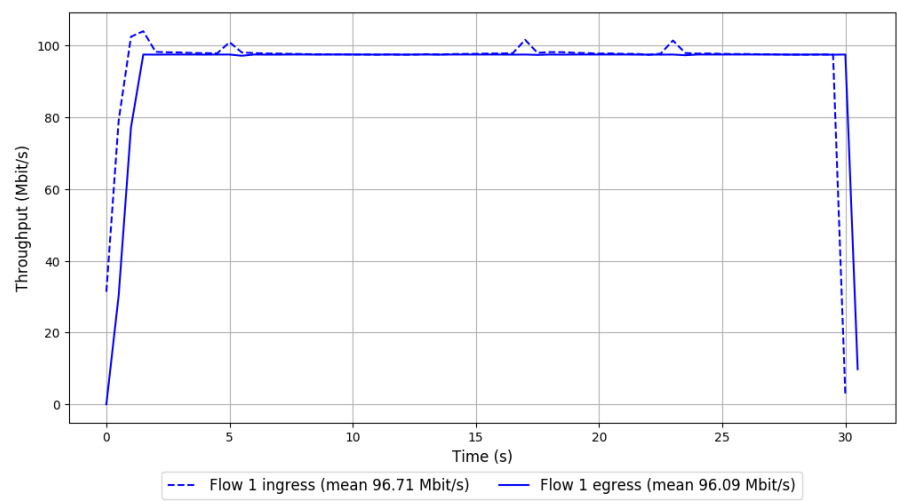


Run 2: Statistics of TCP Cubic

Start at: 2019-07-11 19:15:19
End at: 2019-07-11 19:15:49
Local clock offset: -12.935 ms
Remote clock offset: -2.598 ms

Below is generated by plot.py at 2019-07-11 20:52:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 48.279 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 48.279 ms
Loss rate: 0.54%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-07-11 19:42:55

End at: 2019-07-11 19:43:25

Local clock offset: -8.495 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2019-07-11 20:52:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 51.032 ms

Loss rate: 0.45%

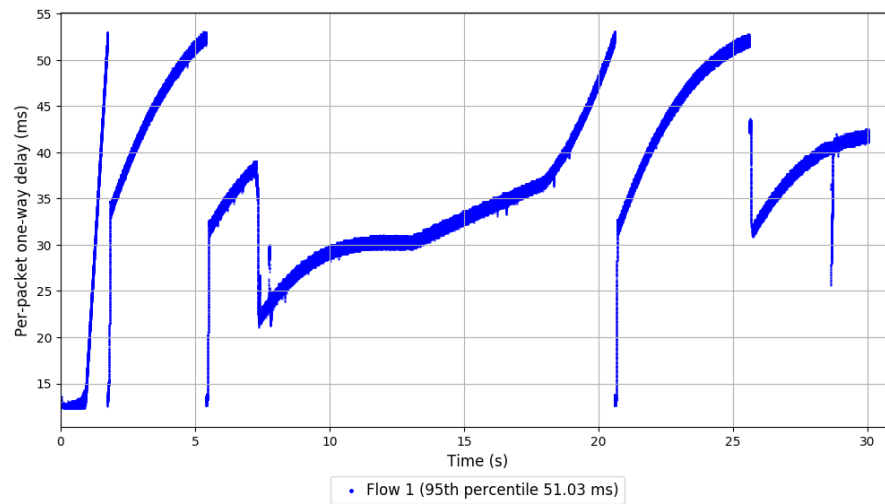
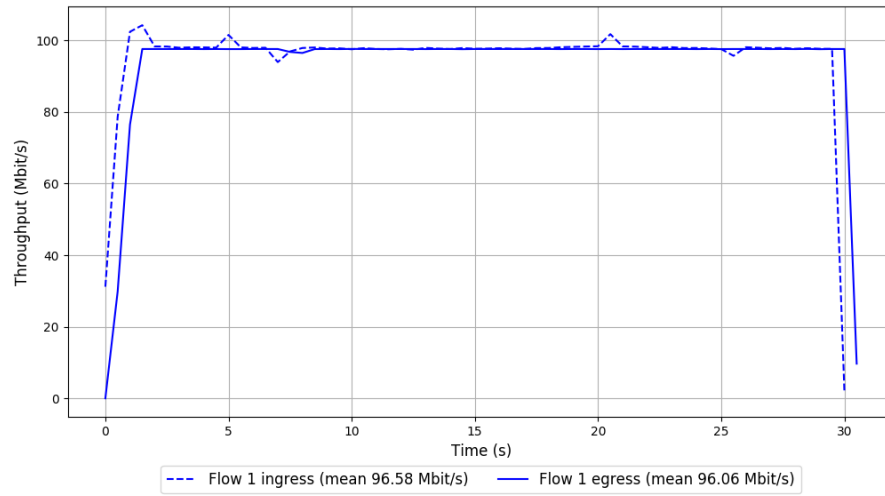
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 51.032 ms

Loss rate: 0.45%

Run 3: Report of TCP Cubic — Data Link

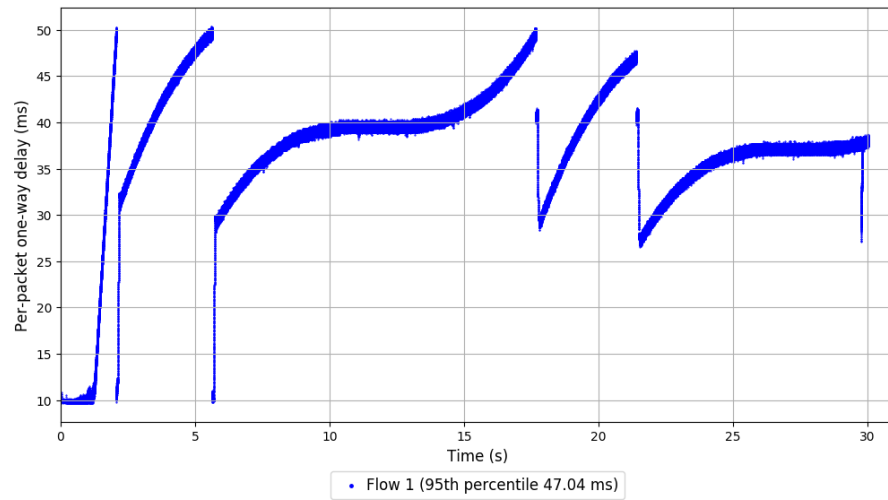
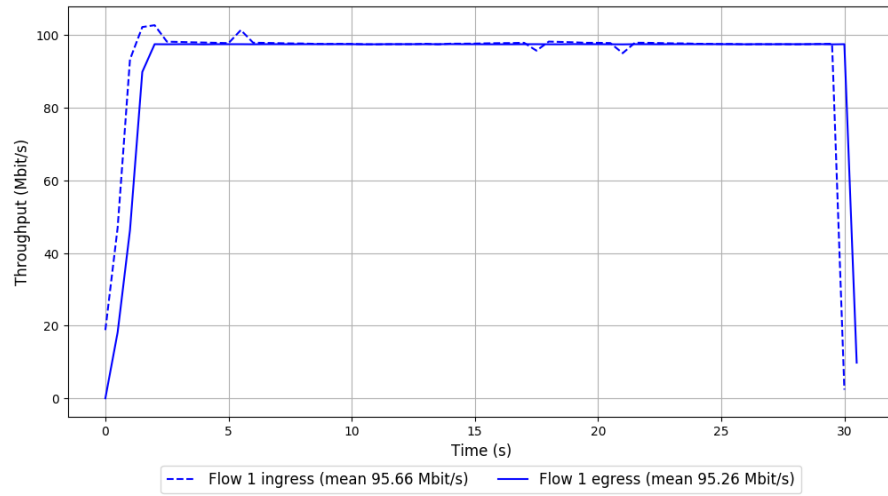


Run 4: Statistics of TCP Cubic

Start at: 2019-07-11 20:10:25
End at: 2019-07-11 20:10:55
Local clock offset: -3.56 ms
Remote clock offset: -1.945 ms

Below is generated by plot.py at 2019-07-11 20:52:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 47.039 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 47.039 ms
Loss rate: 0.33%

Run 4: Report of TCP Cubic — Data Link

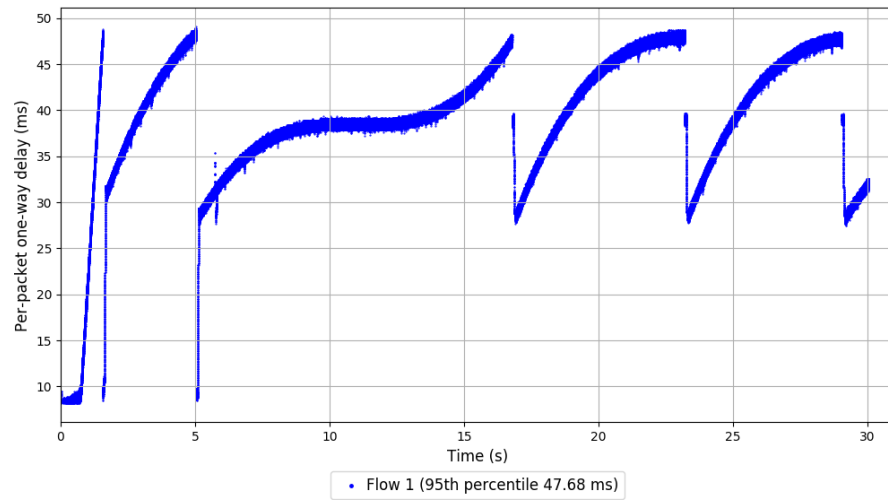
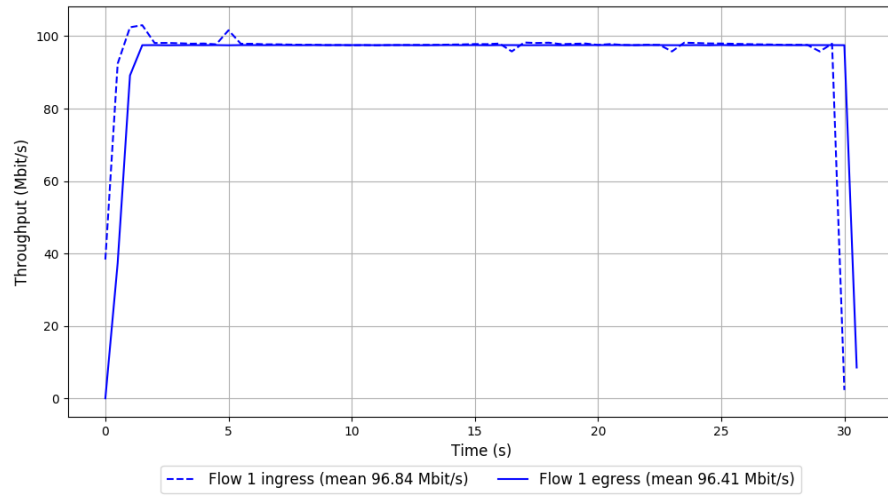


Run 5: Statistics of TCP Cubic

Start at: 2019-07-11 20:38:11
End at: 2019-07-11 20:38:41
Local clock offset: -0.501 ms
Remote clock offset: -1.053 ms

Below is generated by plot.py at 2019-07-11 20:52:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.36%

Run 5: Report of TCP Cubic — Data Link

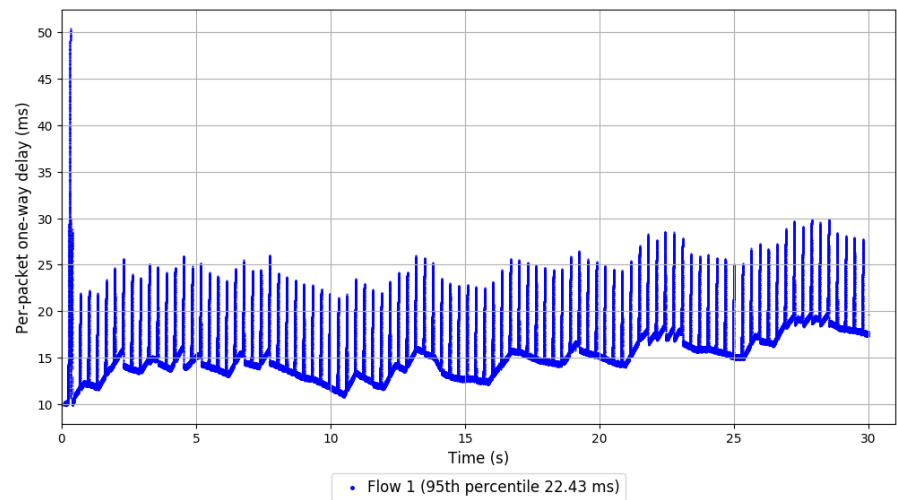
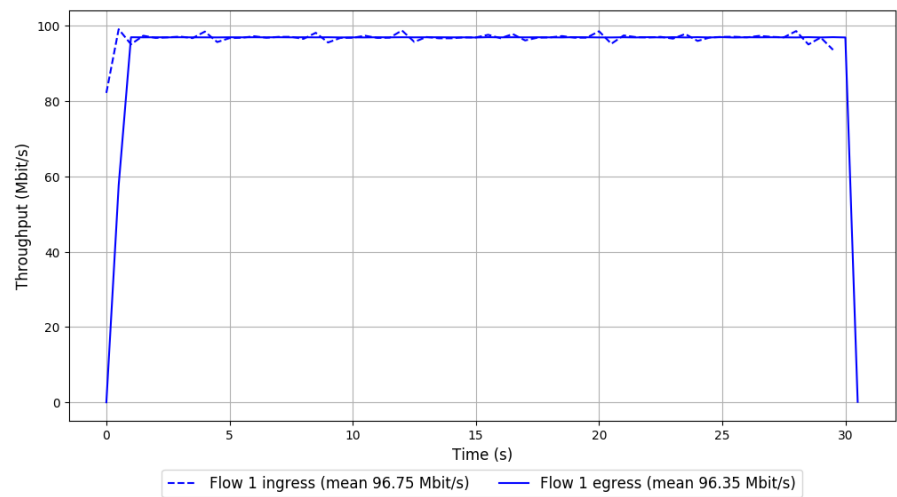


Run 1: Statistics of FillP

Start at: 2019-07-11 18:40:41
End at: 2019-07-11 18:41:11
Local clock offset: -8.955 ms
Remote clock offset: -2.336 ms

Below is generated by plot.py at 2019-07-11 20:52:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 22.430 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 22.430 ms
Loss rate: 0.39%

Run 1: Report of FillP — Data Link

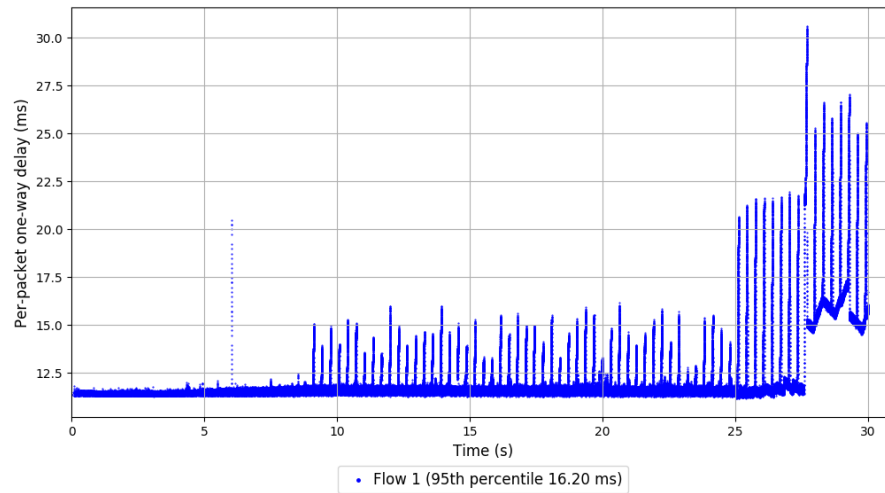
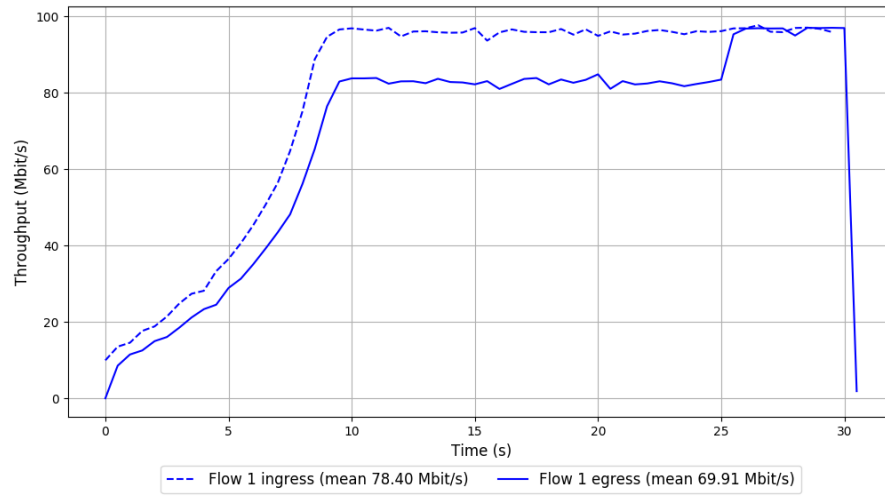


Run 2: Statistics of FillP

Start at: 2019-07-11 19:08:28
End at: 2019-07-11 19:08:58
Local clock offset: -10.691 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2019-07-11 20:52:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 16.196 ms
Loss rate: 10.82%
-- Flow 1:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 16.196 ms
Loss rate: 10.82%

Run 2: Report of FillP — Data Link

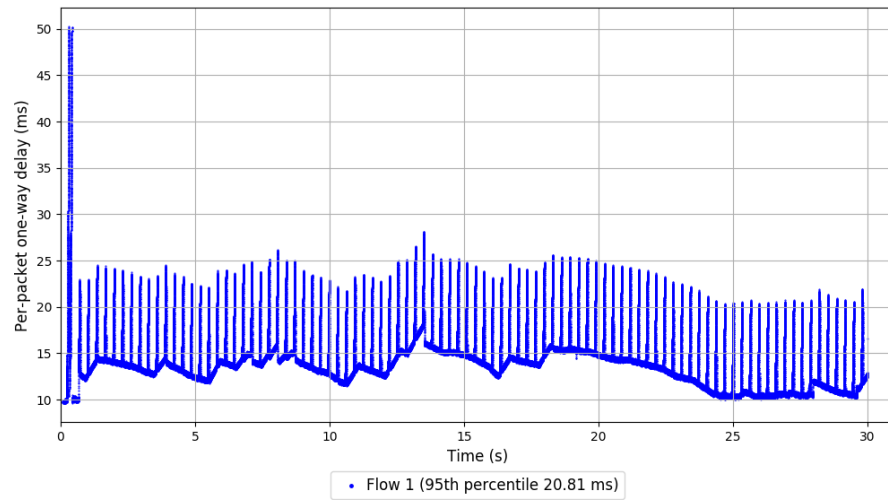
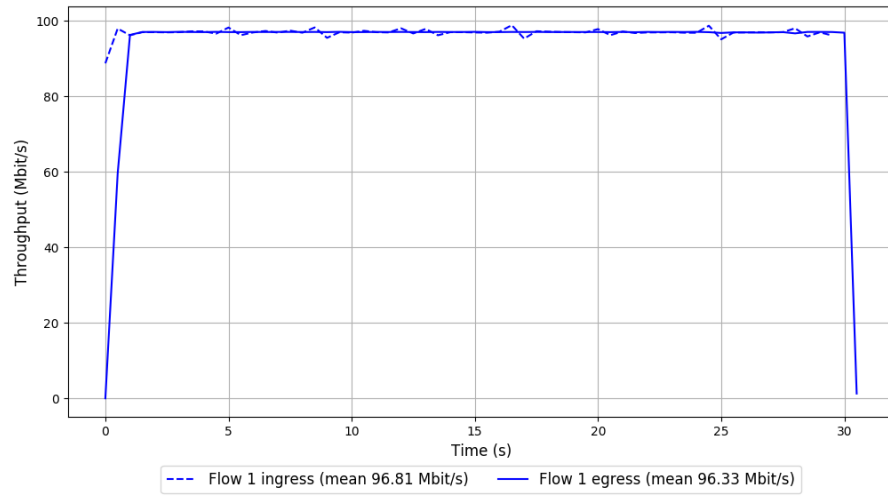


Run 3: Statistics of FillP

Start at: 2019-07-11 19:36:04
End at: 2019-07-11 19:36:34
Local clock offset: -9.951 ms
Remote clock offset: -1.606 ms

Below is generated by plot.py at 2019-07-11 20:52:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 20.809 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 20.809 ms
Loss rate: 0.47%

Run 3: Report of FillP — Data Link

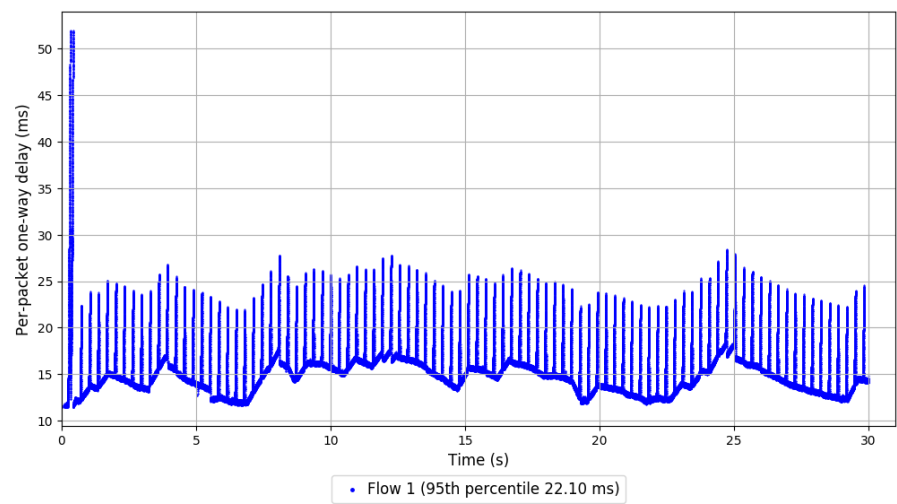
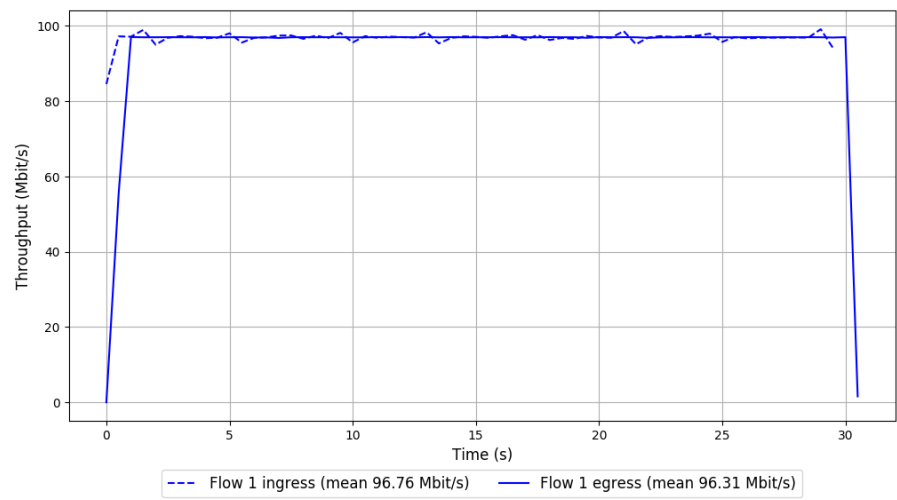


Run 4: Statistics of FillP

Start at: 2019-07-11 20:03:39
End at: 2019-07-11 20:04:09
Local clock offset: -5.693 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2019-07-11 20:53:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 0.46%

Run 4: Report of FillP — Data Link

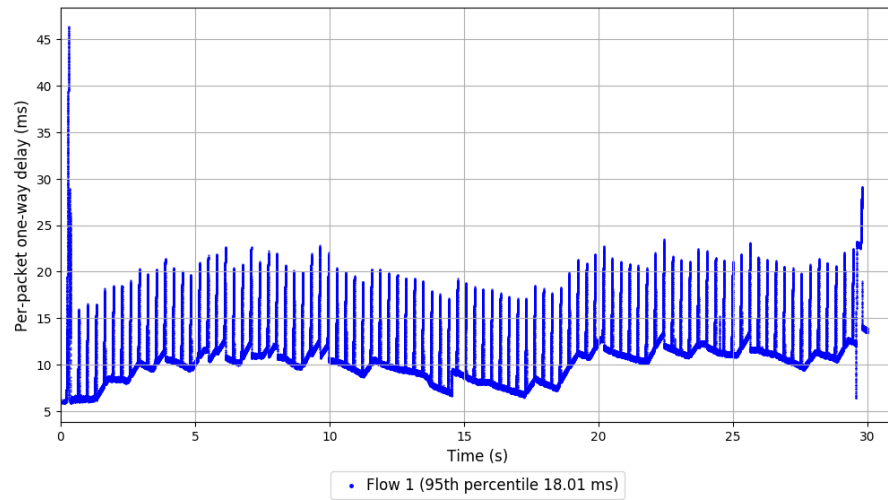
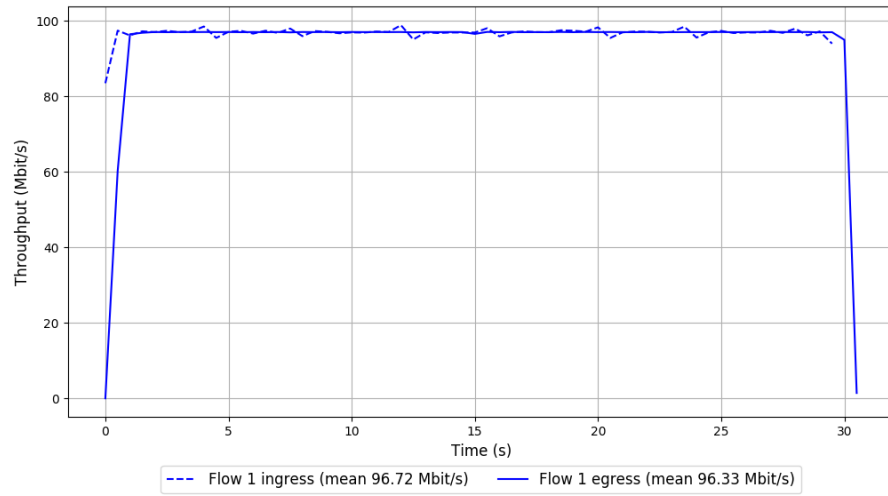


Run 5: Statistics of FillP

Start at: 2019-07-11 20:31:14
End at: 2019-07-11 20:31:44
Local clock offset: -1.813 ms
Remote clock offset: -2.431 ms

Below is generated by plot.py at 2019-07-11 20:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 18.006 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 18.006 ms
Loss rate: 0.38%

Run 5: Report of FillP — Data Link

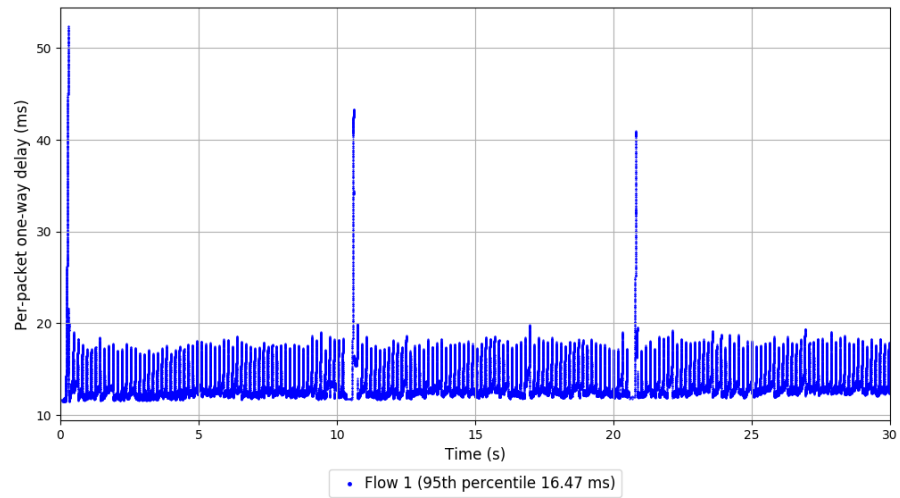
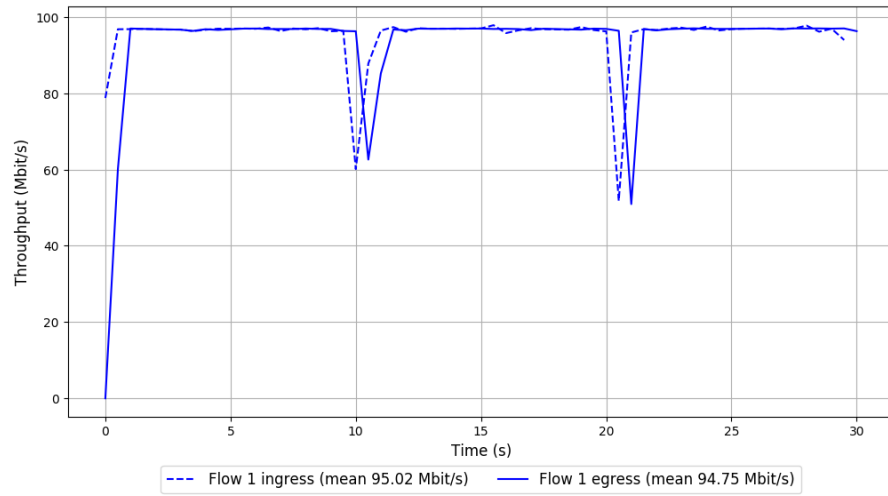


Run 1: Statistics of FillP-Sheep

Start at: 2019-07-11 18:46:28
End at: 2019-07-11 18:46:58
Local clock offset: -11.408 ms
Remote clock offset: -0.915 ms

Below is generated by plot.py at 2019-07-11 20:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 16.470 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 16.470 ms
Loss rate: 0.29%

Run 1: Report of FillP-Sheep — Data Link

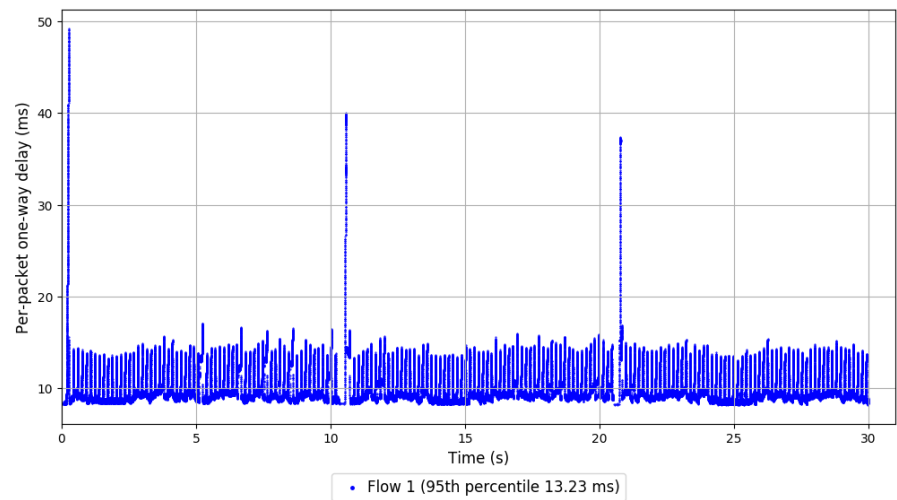
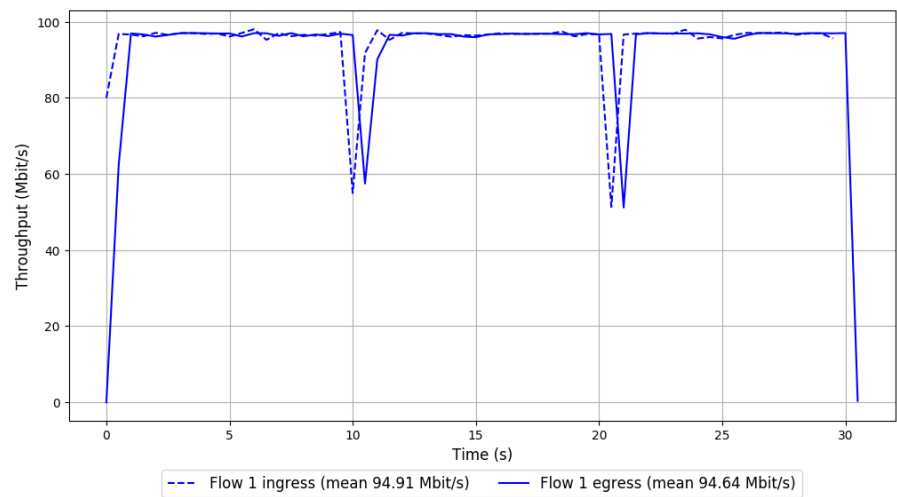


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-11 19:14:08
End at: 2019-07-11 19:14:38
Local clock offset: -12.411 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-07-11 20:53:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 13.227 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 13.227 ms
Loss rate: 0.28%

Run 2: Report of FillP-Sheep — Data Link

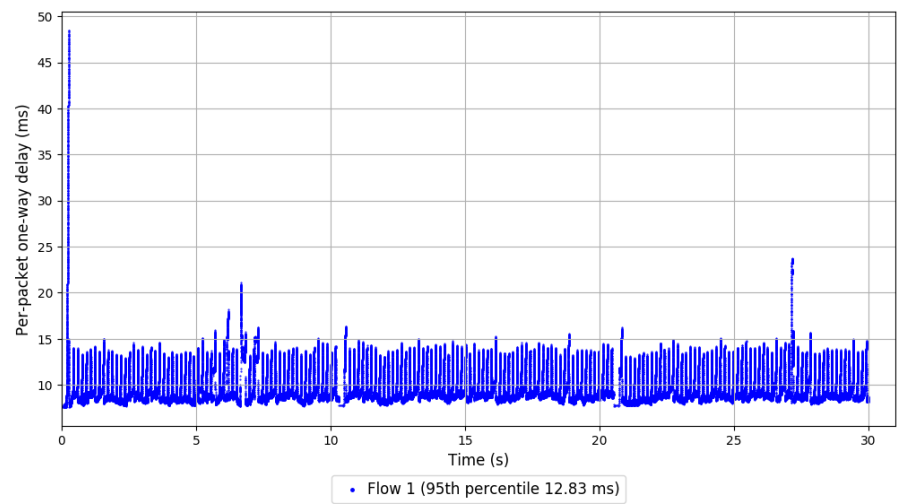
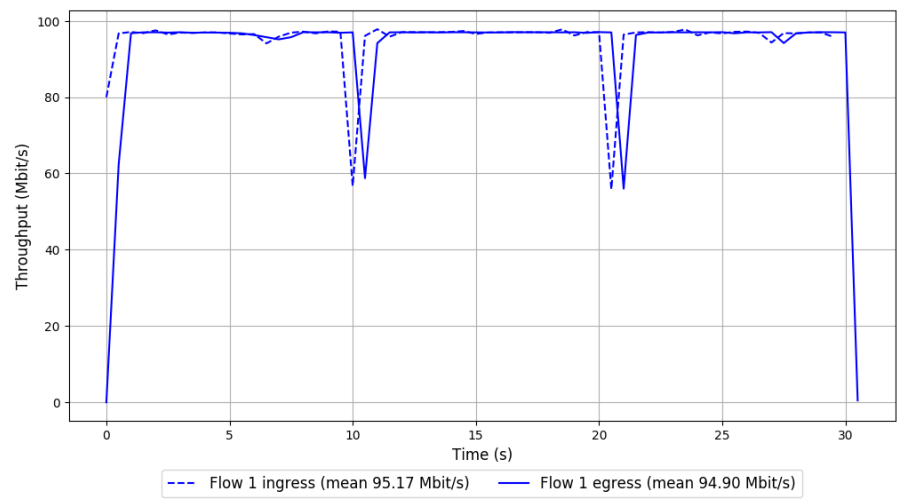


Run 3: Statistics of FillP-Sheep

Start at: 2019-07-11 19:41:45
End at: 2019-07-11 19:42:15
Local clock offset: -7.897 ms
Remote clock offset: -0.655 ms

Below is generated by plot.py at 2019-07-11 20:53:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 12.828 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 12.828 ms
Loss rate: 0.28%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-11 20:09:19

End at: 2019-07-11 20:09:49

Local clock offset: -3.256 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2019-07-11 20:53:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 47.992 ms

Loss rate: 41.63%

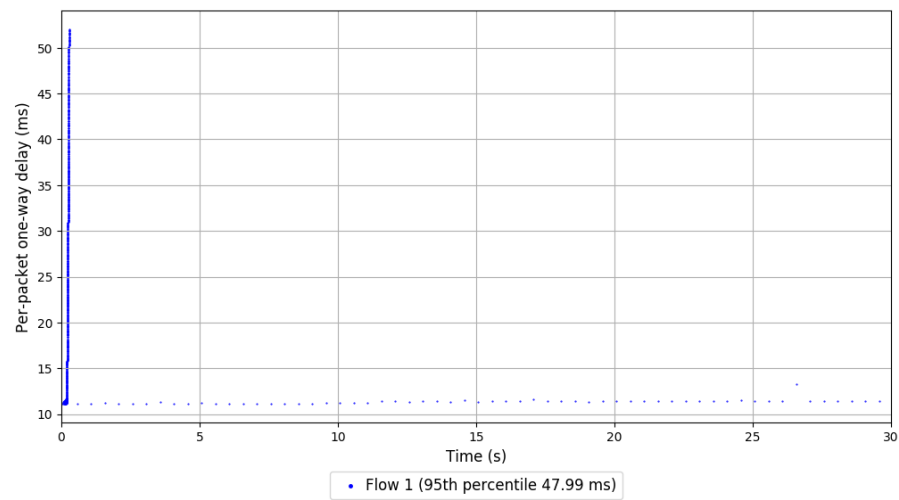
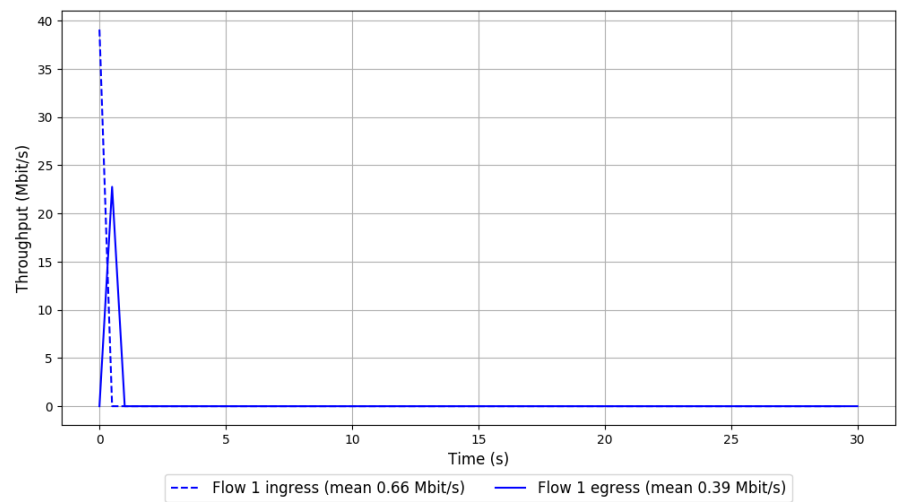
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 47.992 ms

Loss rate: 41.63%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-11 20:36:59

End at: 2019-07-11 20:37:29

Local clock offset: 0.011 ms

Remote clock offset: -1.718 ms

Below is generated by plot.py at 2019-07-11 20:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 11.289 ms

Loss rate: 0.28%

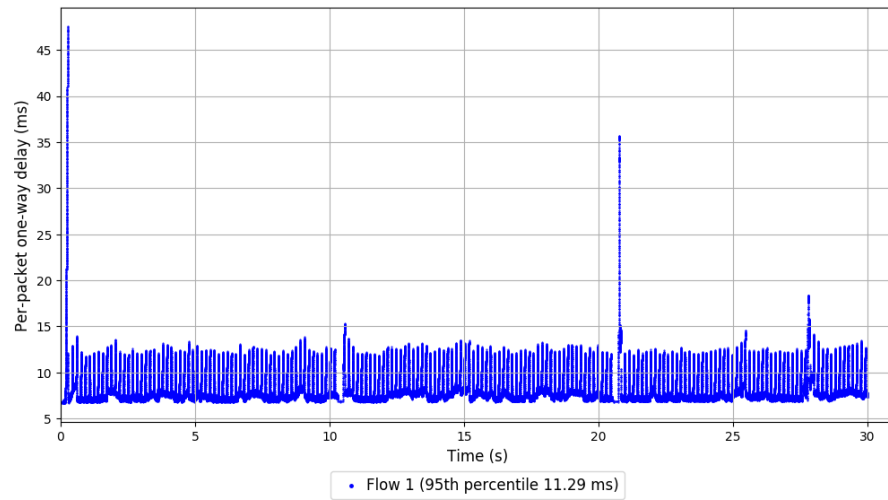
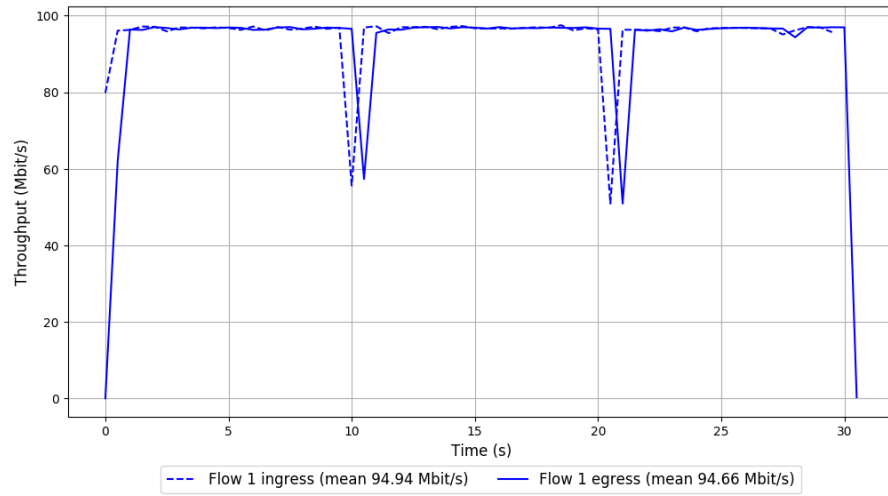
-- Flow 1:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 11.289 ms

Loss rate: 0.28%

Run 5: Report of FillP-Sheep — Data Link

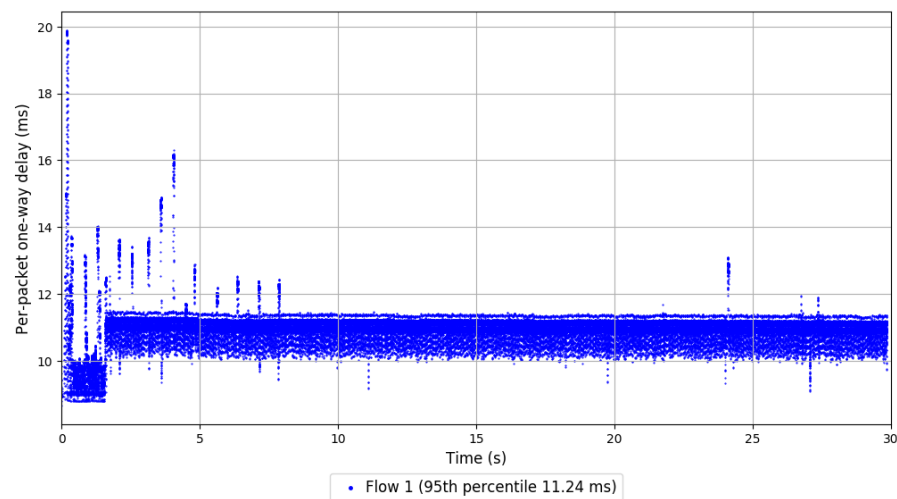
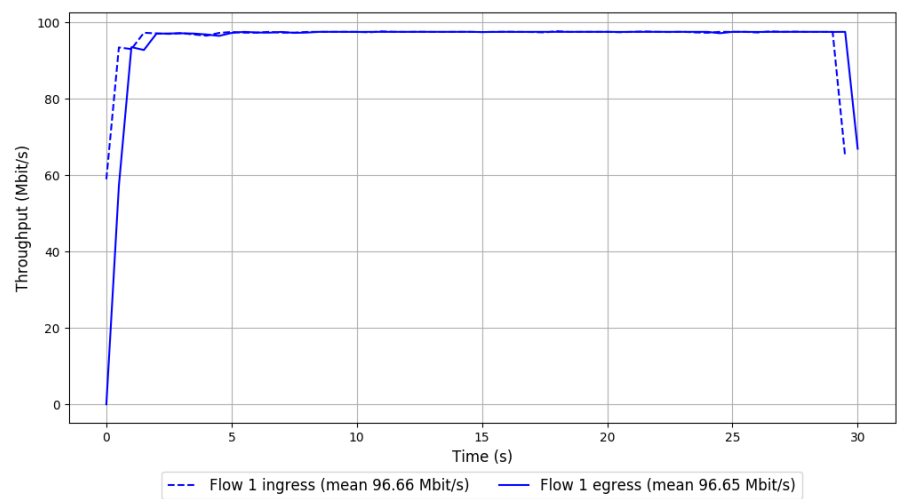


Run 1: Statistics of Indigo

Start at: 2019-07-11 18:51:05
End at: 2019-07-11 18:51:35
Local clock offset: -8.776 ms
Remote clock offset: -2.575 ms

Below is generated by plot.py at 2019-07-11 20:53:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 11.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 11.243 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

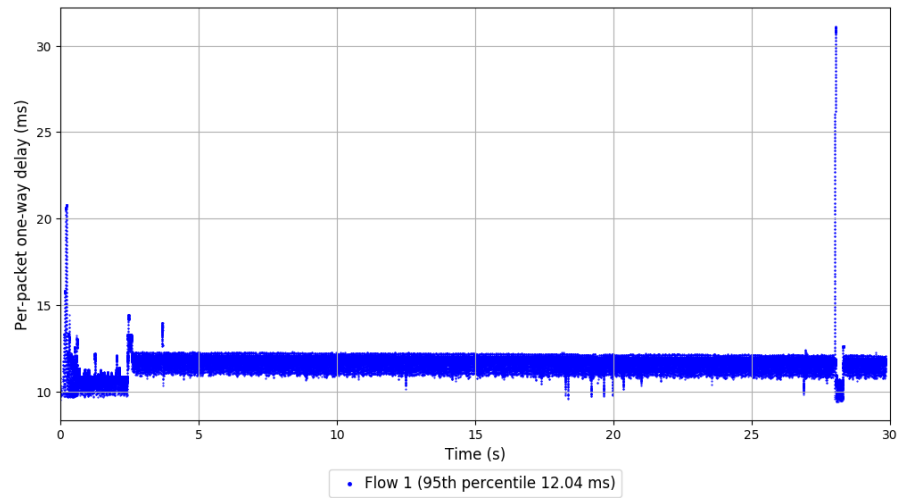
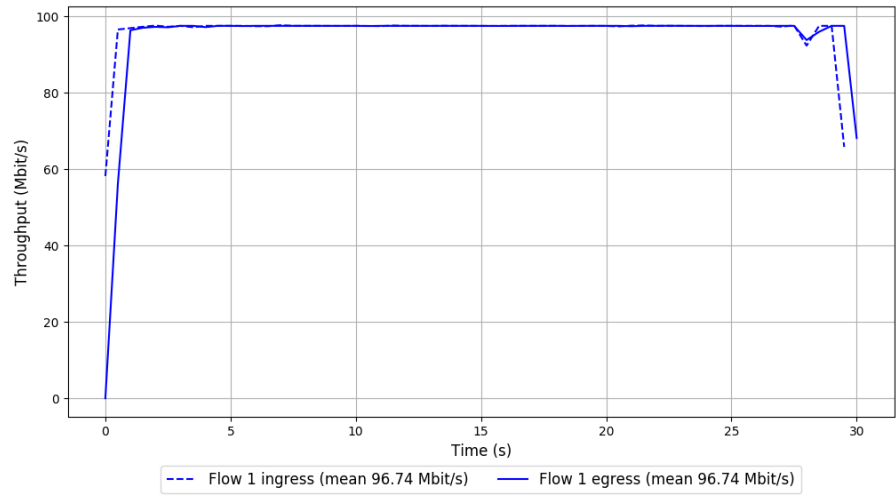


Run 2: Statistics of Indigo

Start at: 2019-07-11 19:18:52
End at: 2019-07-11 19:19:22
Local clock offset: -14.267 ms
Remote clock offset: -2.321 ms

Below is generated by plot.py at 2019-07-11 20:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 12.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 12.035 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

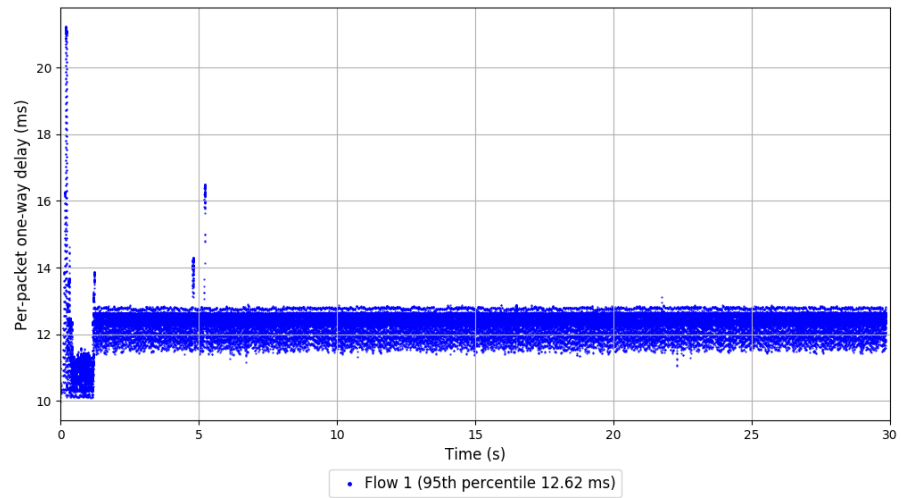
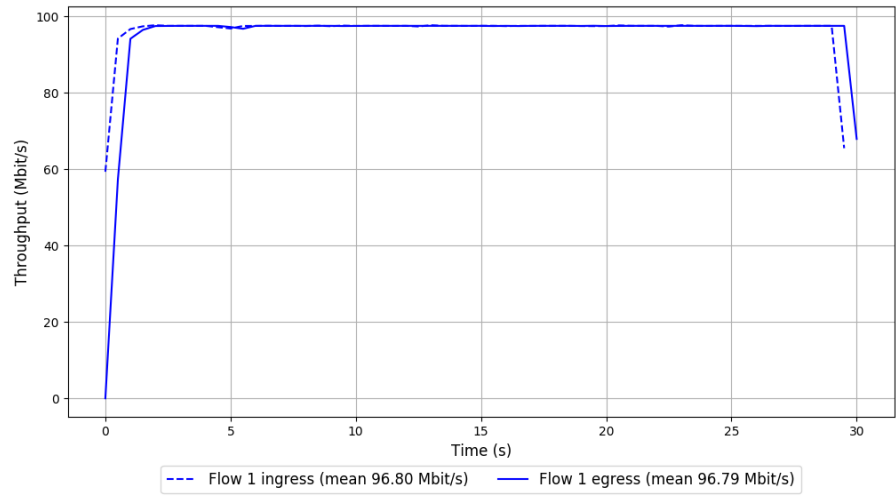


Run 3: Statistics of Indigo

Start at: 2019-07-11 19:46:22
End at: 2019-07-11 19:46:52
Local clock offset: -7.611 ms
Remote clock offset: -1.515 ms

Below is generated by plot.py at 2019-07-11 20:54:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 12.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 12.624 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-11 20:13:54

End at: 2019-07-11 20:14:24

Local clock offset: -3.088 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2019-07-11 20:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 14.298 ms

Loss rate: 0.00%

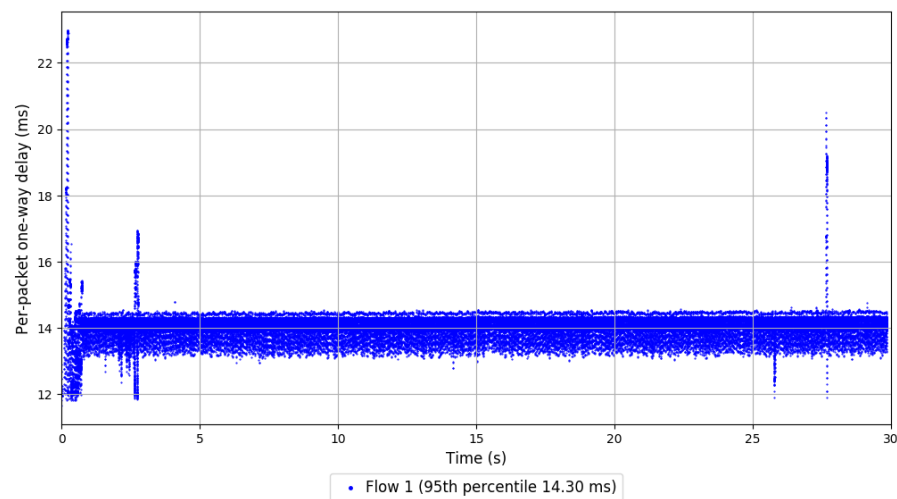
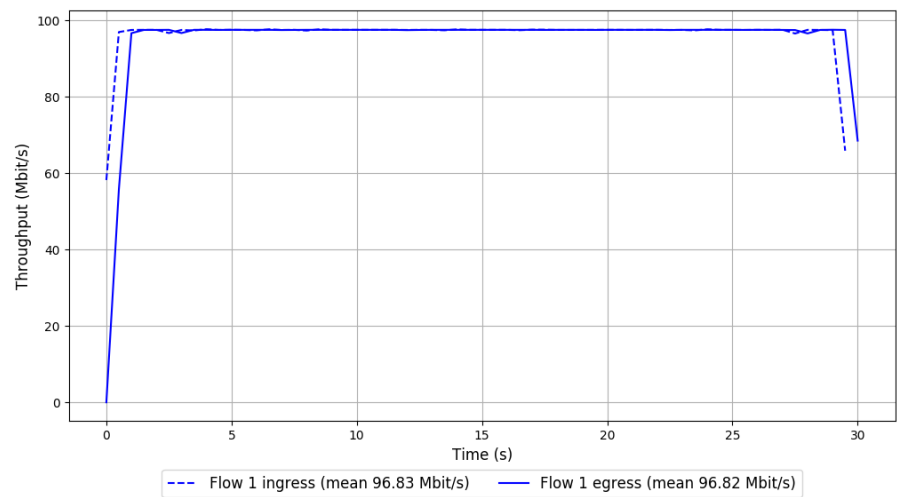
-- Flow 1:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 14.298 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

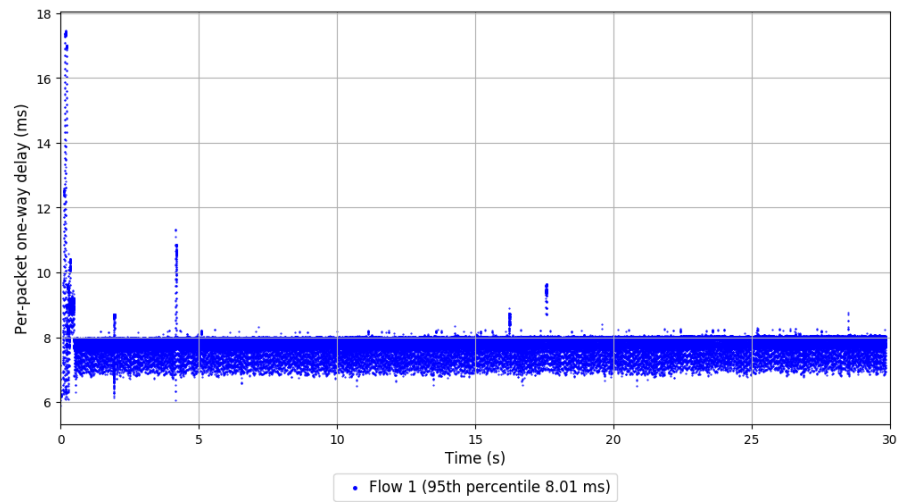
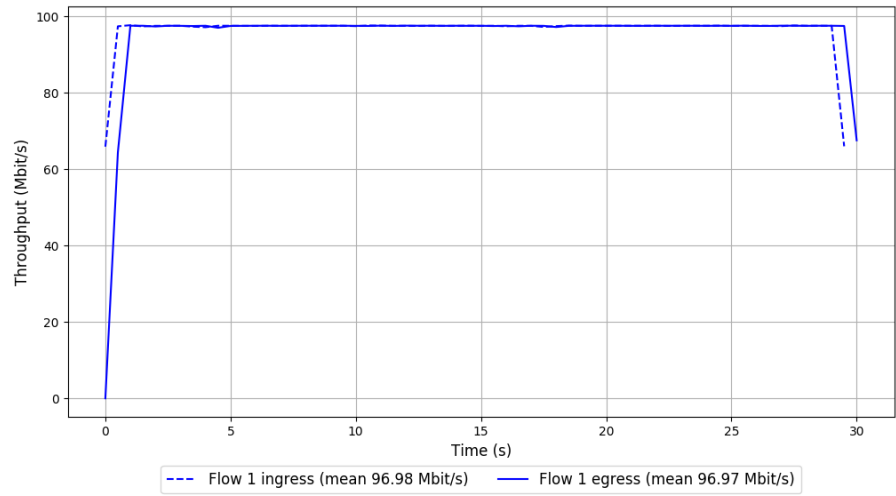


Run 5: Statistics of Indigo

Start at: 2019-07-11 20:41:48
End at: 2019-07-11 20:42:18
Local clock offset: 0.704 ms
Remote clock offset: -2.689 ms

Below is generated by plot.py at 2019-07-11 20:54:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 8.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 8.005 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

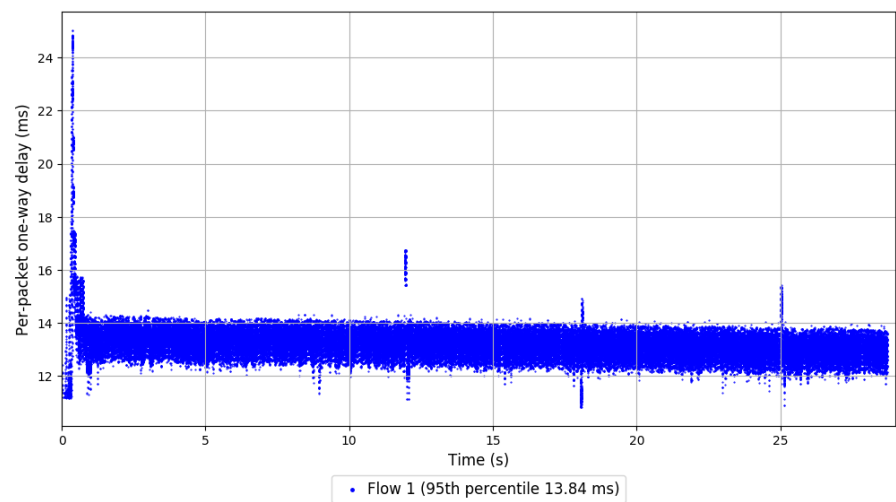
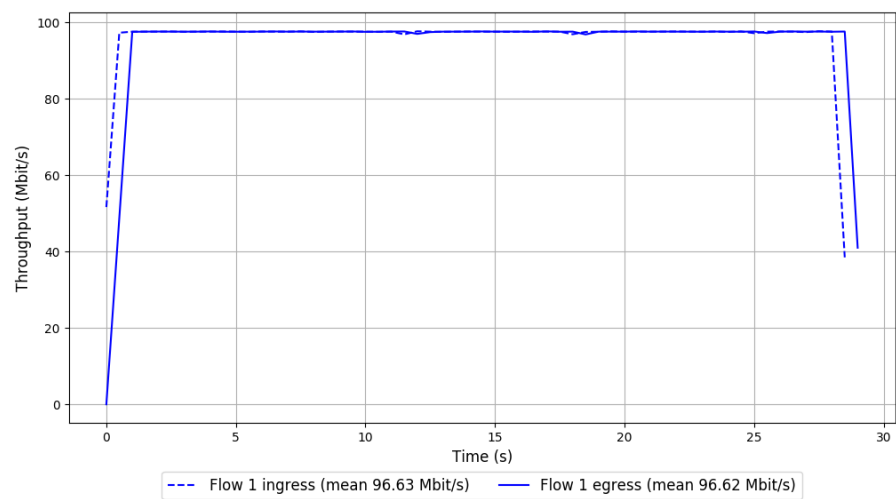


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-11 18:35:03
End at: 2019-07-11 18:35:33
Local clock offset: -7.78 ms
Remote clock offset: -0.608 ms

Below is generated by plot.py at 2019-07-11 20:54:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 13.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 13.842 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

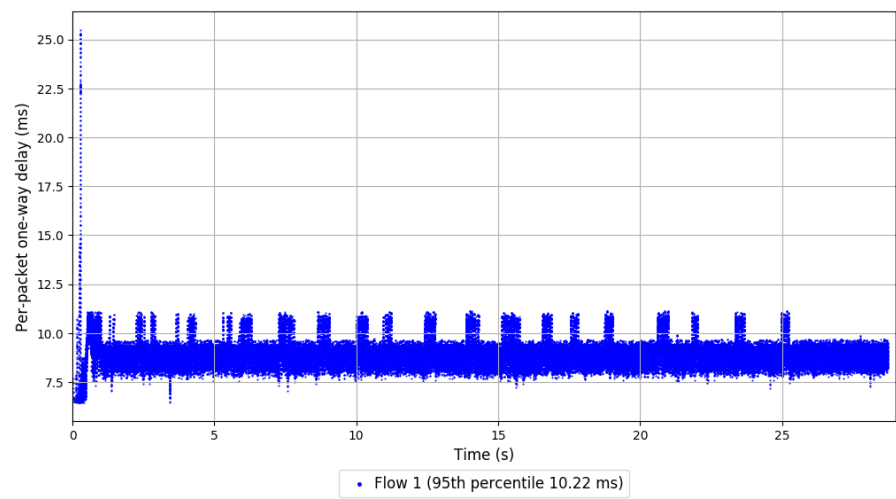
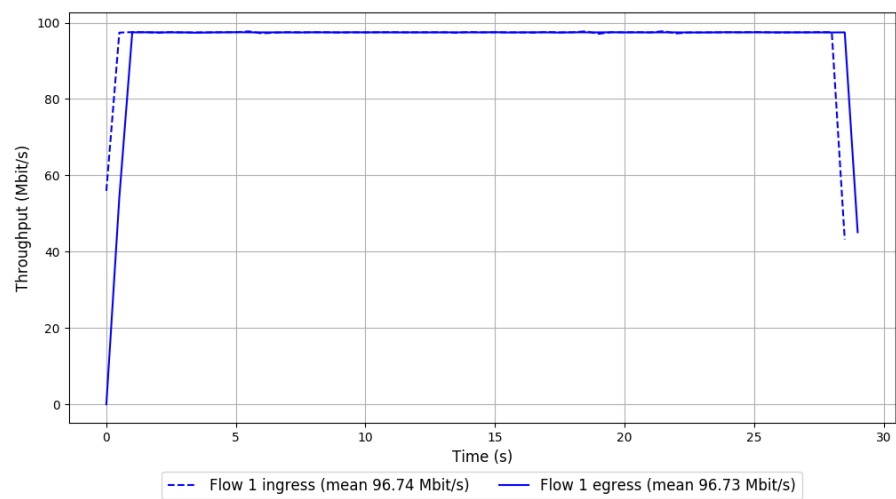


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-11 19:02:47
End at: 2019-07-11 19:03:17
Local clock offset: -11.129 ms
Remote clock offset: -2.507 ms

Below is generated by plot.py at 2019-07-11 20:54:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 10.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 10.217 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

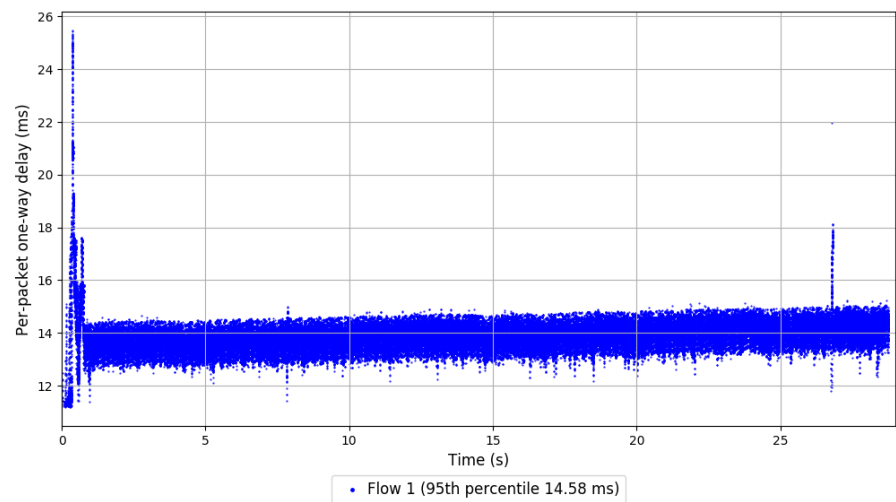
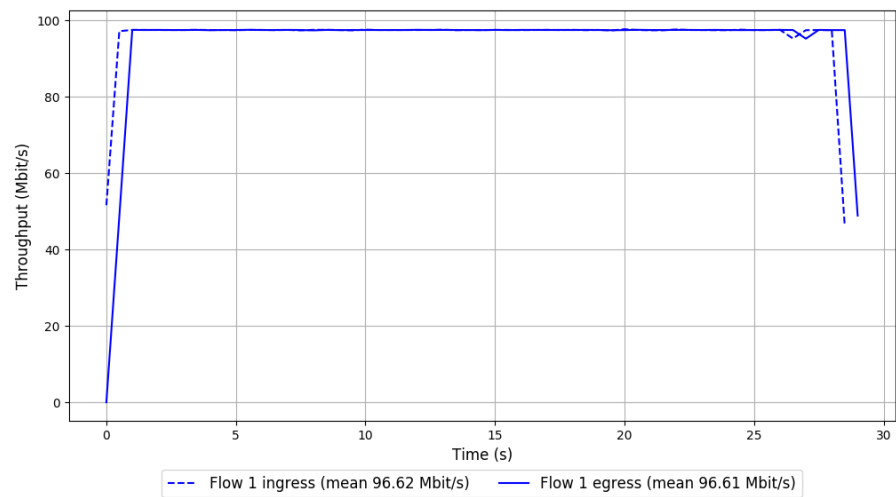


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-11 19:30:23
End at: 2019-07-11 19:30:53
Local clock offset: -15.611 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2019-07-11 20:54:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 14.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 14.577 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-11 19:57:53

End at: 2019-07-11 19:58:23

Local clock offset: -7.736 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2019-07-11 20:54:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 11.812 ms

Loss rate: 0.06%

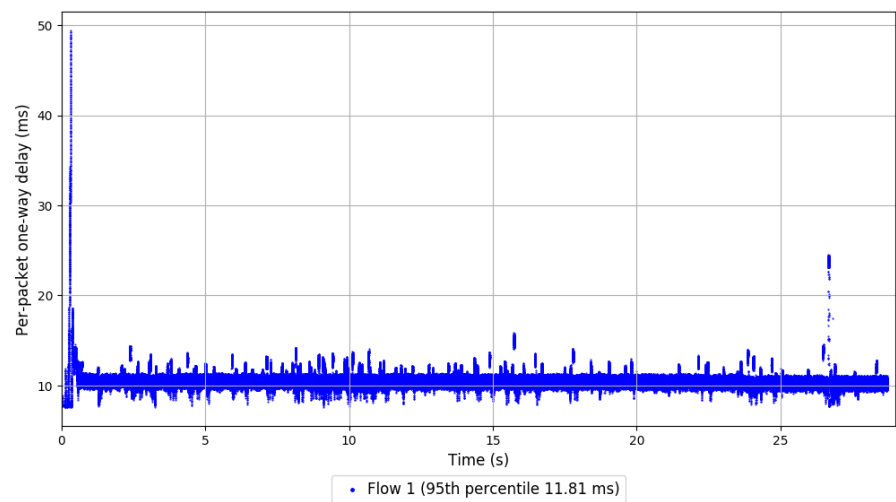
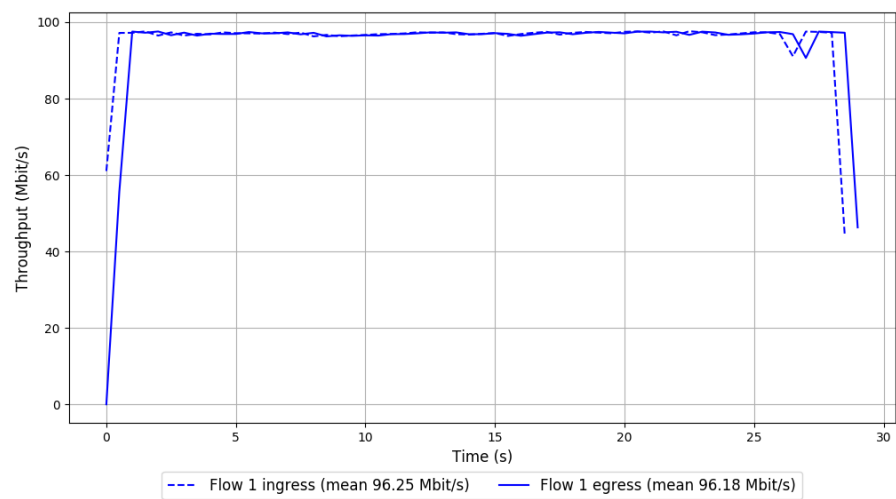
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 11.812 ms

Loss rate: 0.06%

Run 4: Report of Indigo-MusesC3 — Data Link

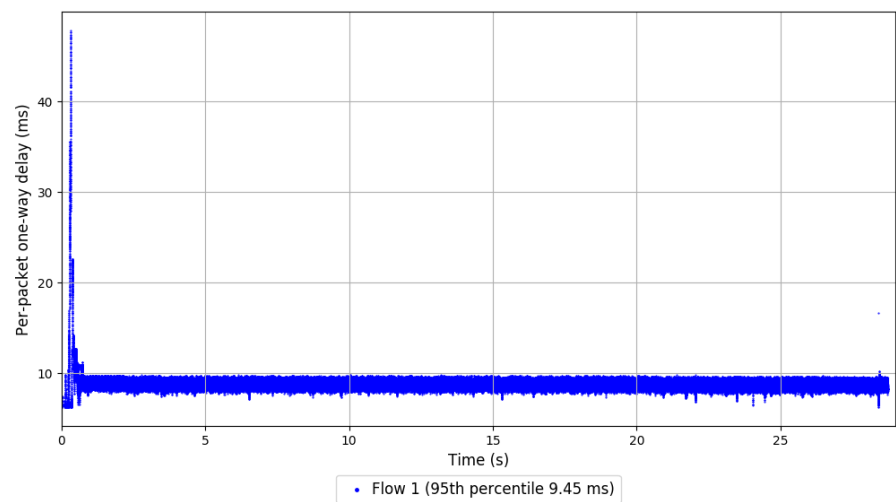
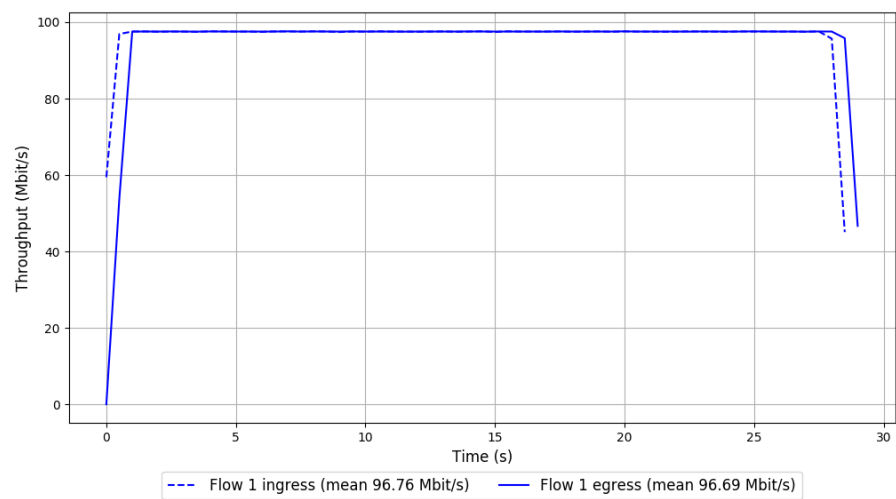


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-11 20:25:31
End at: 2019-07-11 20:26:01
Local clock offset: -3.158 ms
Remote clock offset: -2.215 ms

Below is generated by plot.py at 2019-07-11 20:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 9.454 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 9.454 ms
Loss rate: 0.06%

Run 5: Report of Indigo-MusesC3 — Data Link

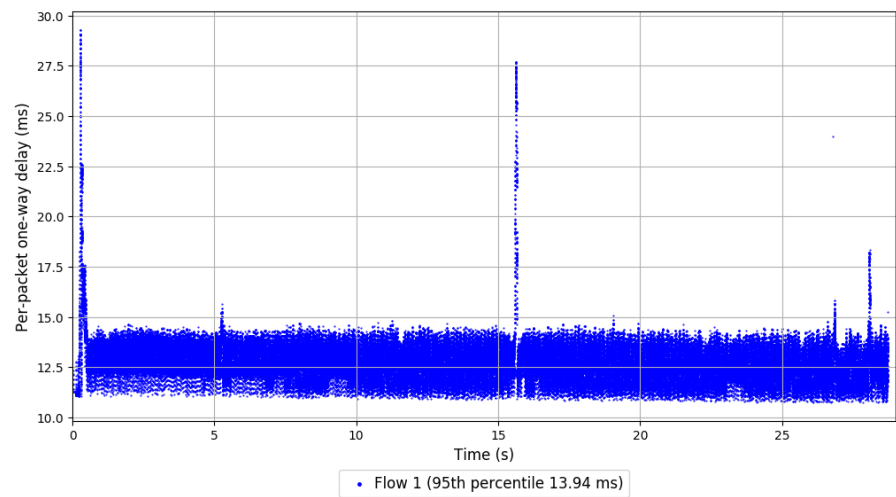
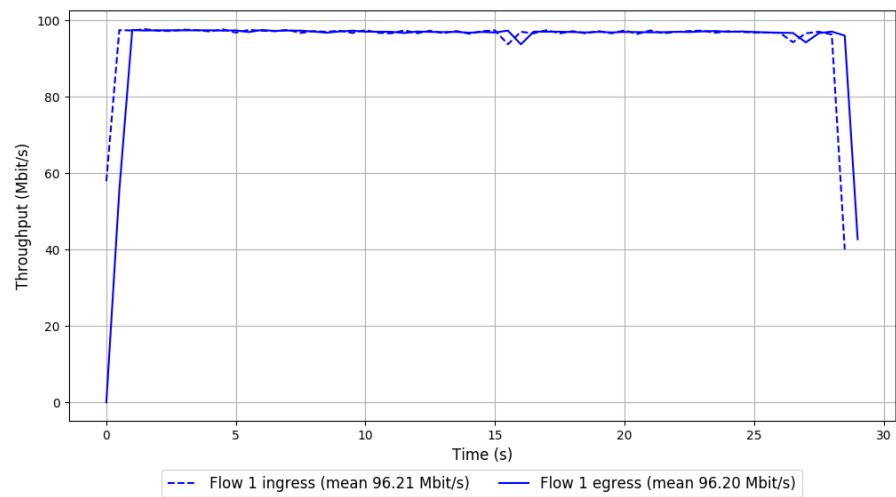


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-11 18:45:14
End at: 2019-07-11 18:45:44
Local clock offset: -10.542 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2019-07-11 20:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 13.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 13.943 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

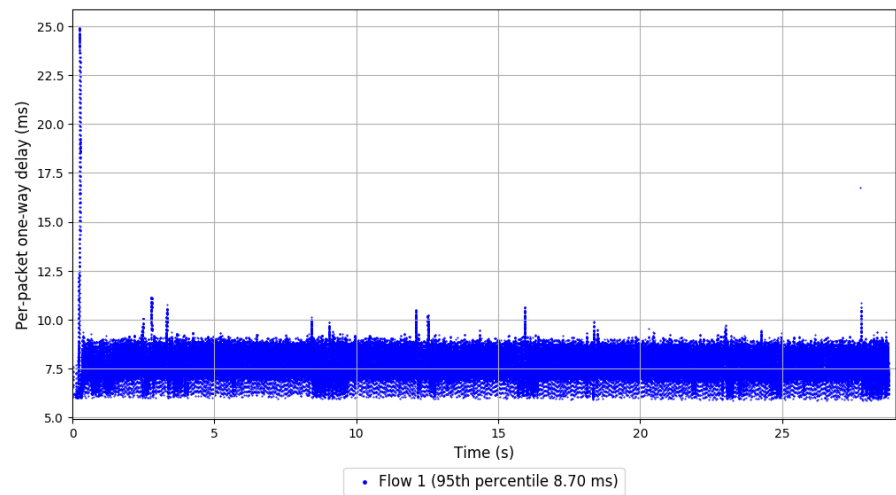
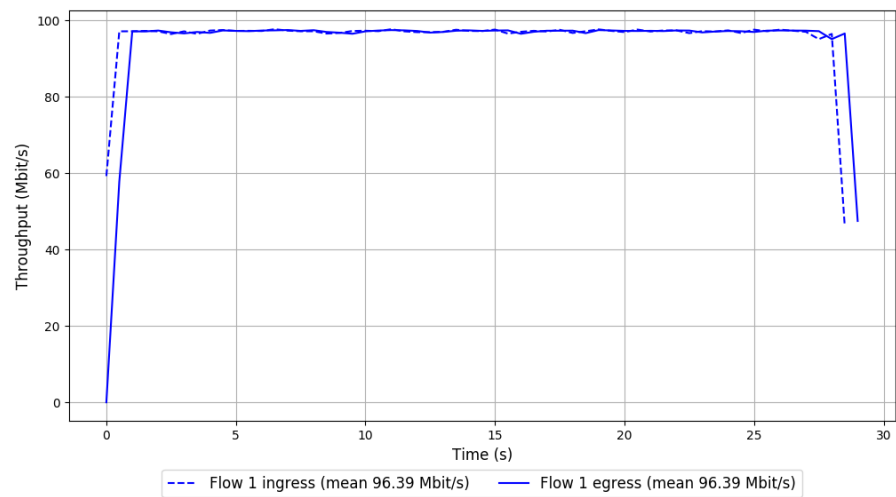


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-11 19:12:57
End at: 2019-07-11 19:13:27
Local clock offset: -11.768 ms
Remote clock offset: -2.398 ms

Below is generated by plot.py at 2019-07-11 20:55:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 8.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 8.695 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

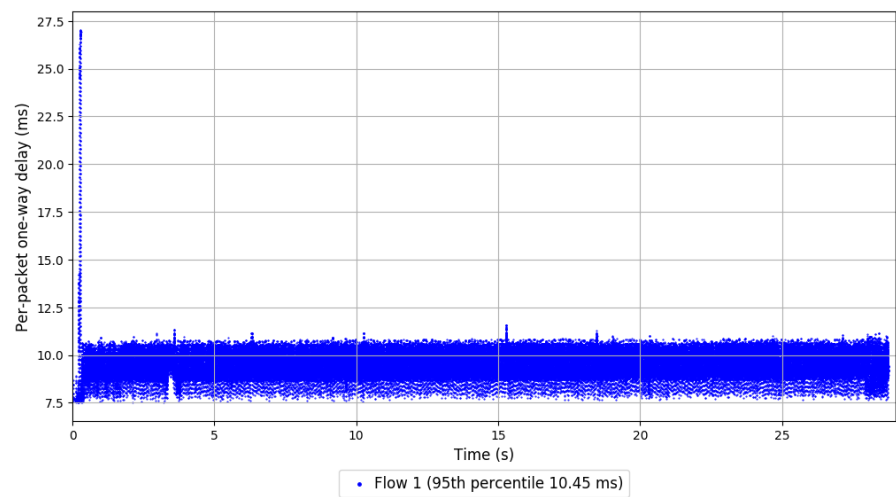
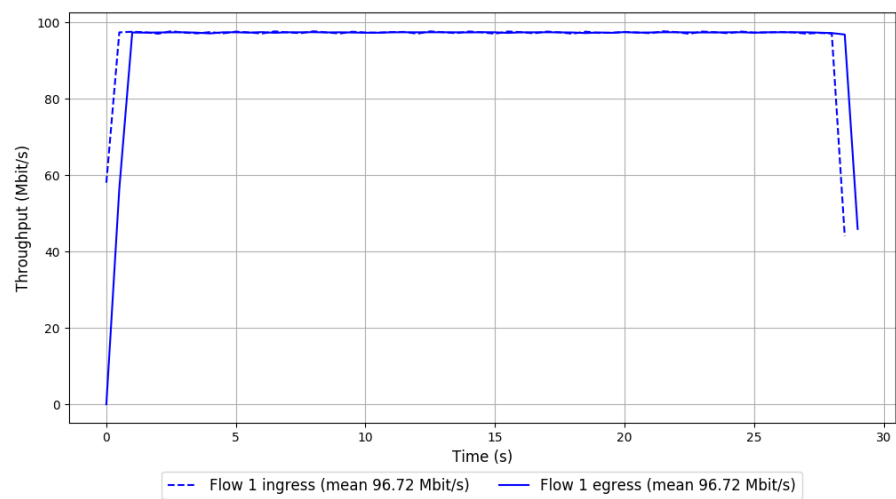


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-11 19:40:35
End at: 2019-07-11 19:41:05
Local clock offset: -8.545 ms
Remote clock offset: -1.205 ms

Below is generated by plot.py at 2019-07-11 20:55:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 10.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 10.447 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

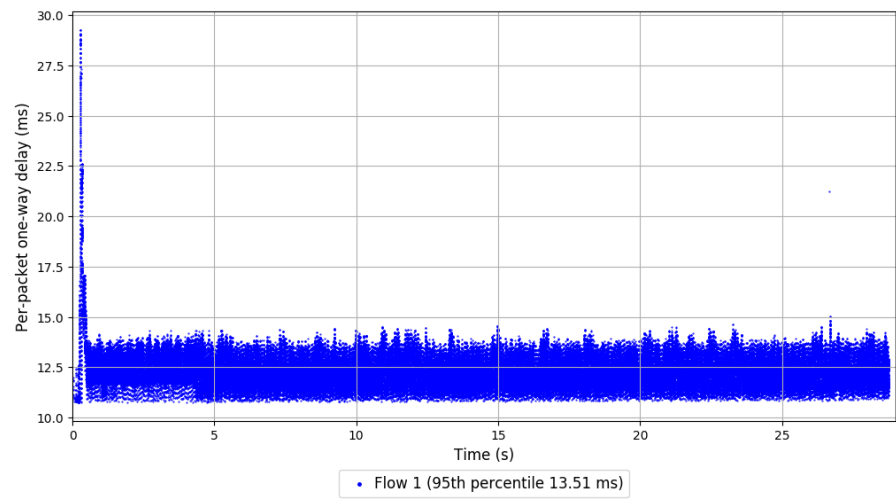
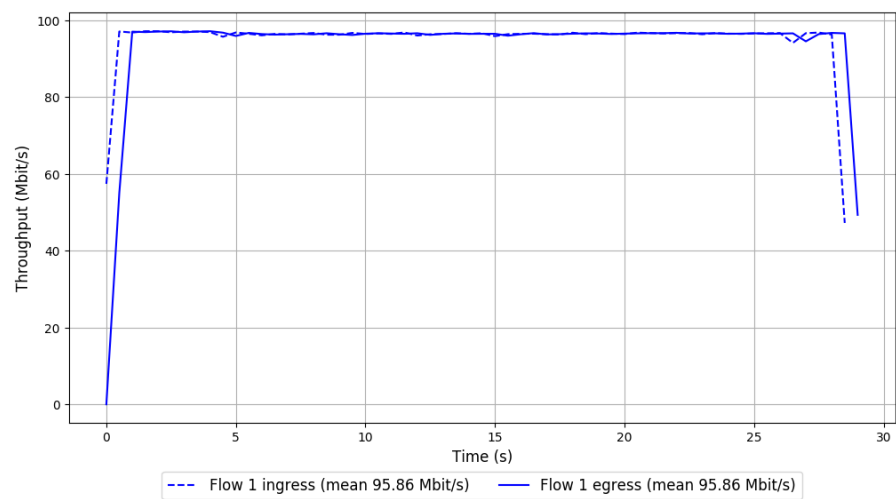


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-11 20:08:08
End at: 2019-07-11 20:08:38
Local clock offset: -3.413 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2019-07-11 20:55:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 13.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 13.509 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

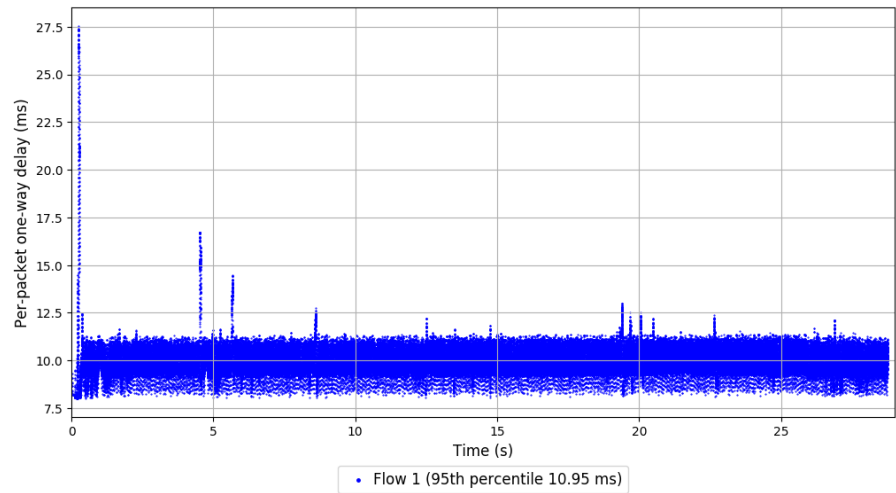
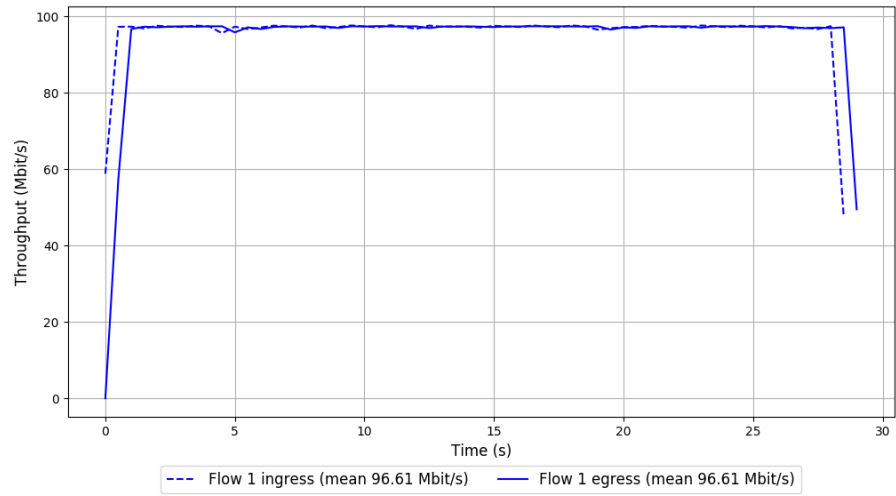


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-11 20:35:45
End at: 2019-07-11 20:36:15
Local clock offset: -0.353 ms
Remote clock offset: -0.607 ms

Below is generated by plot.py at 2019-07-11 20:56:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 10.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 10.953 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

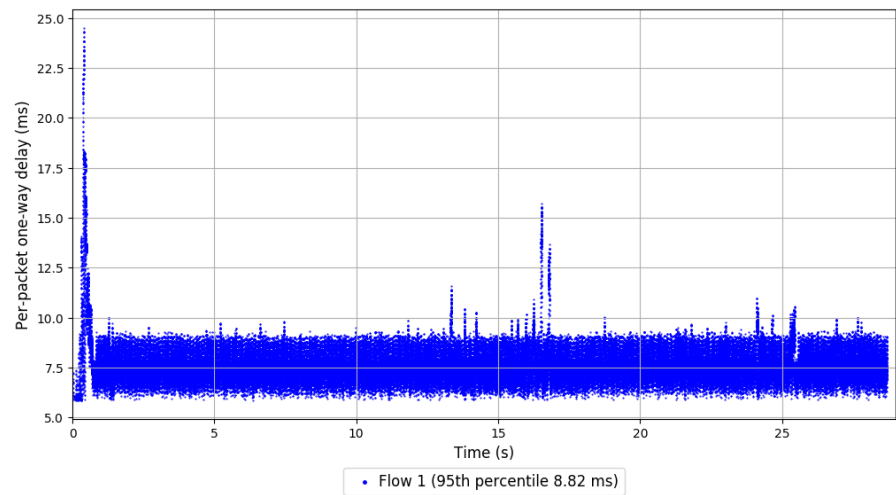
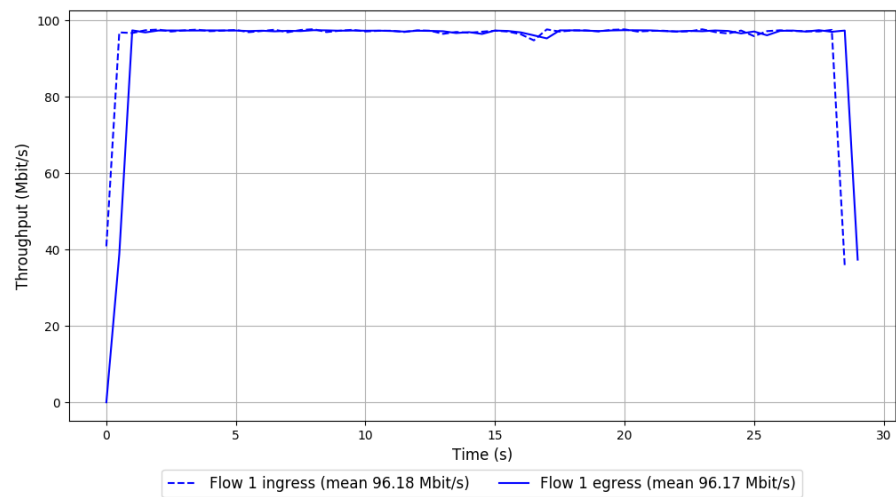


Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-11 18:39:29
End at: 2019-07-11 18:39:59
Local clock offset: -9.173 ms
Remote clock offset: -3.536 ms

Below is generated by plot.py at 2019-07-11 20:56:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 8.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 8.823 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link

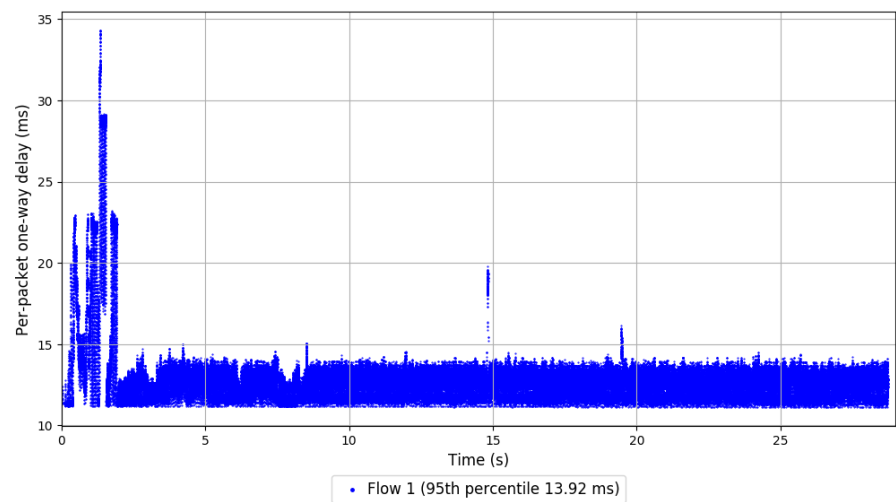
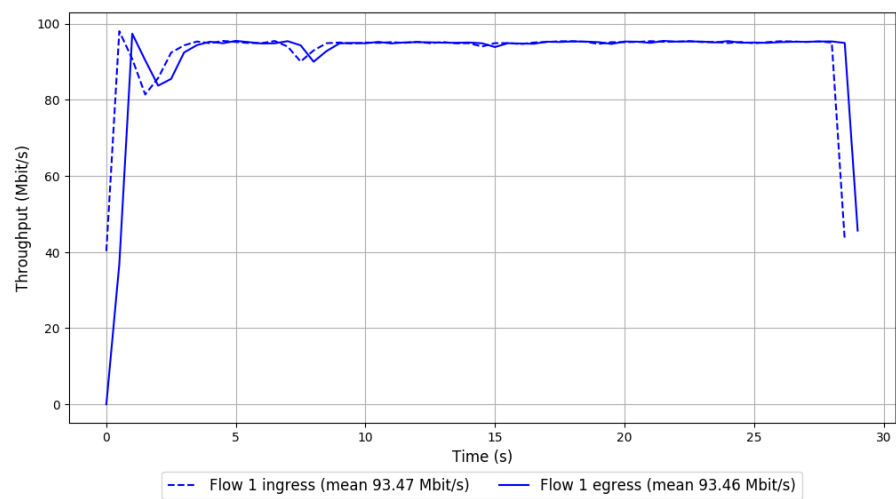


Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-11 19:07:17
End at: 2019-07-11 19:07:47
Local clock offset: -11.353 ms
Remote clock offset: -1.304 ms

Below is generated by plot.py at 2019-07-11 20:56:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 13.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 13.918 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link

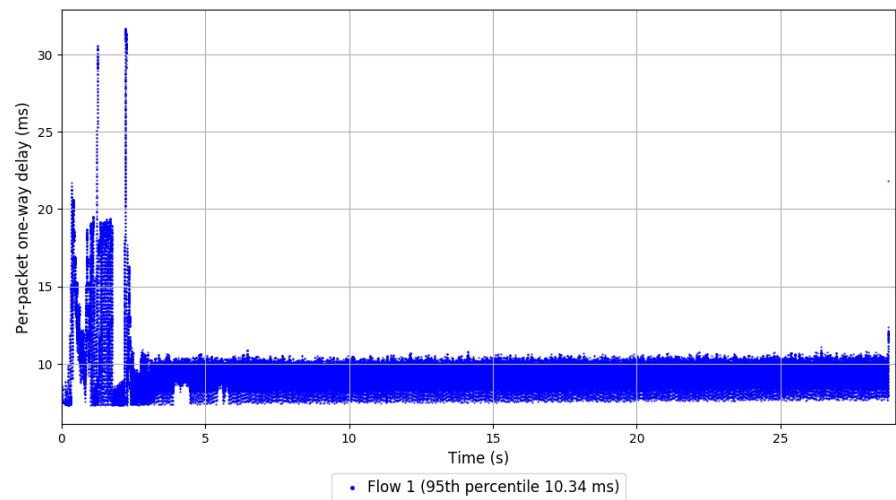
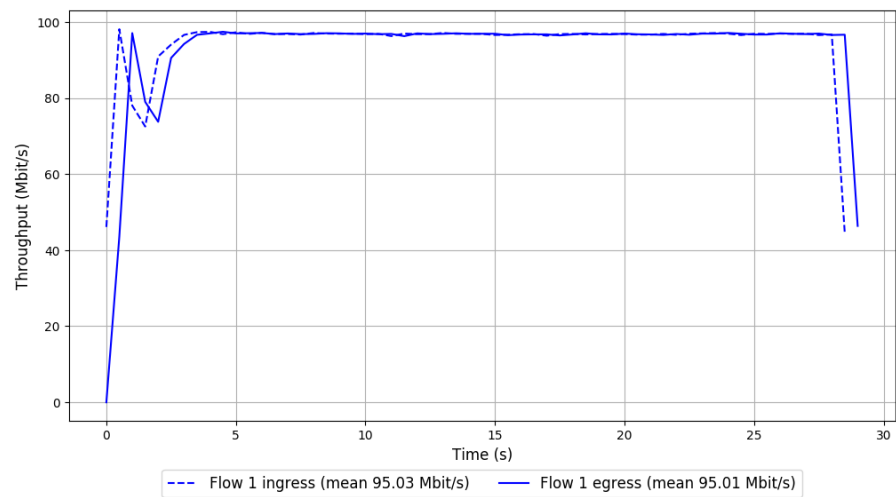


Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-11 19:34:53
End at: 2019-07-11 19:35:23
Local clock offset: -11.714 ms
Remote clock offset: -1.921 ms

Below is generated by plot.py at 2019-07-11 20:56:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 10.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 10.335 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

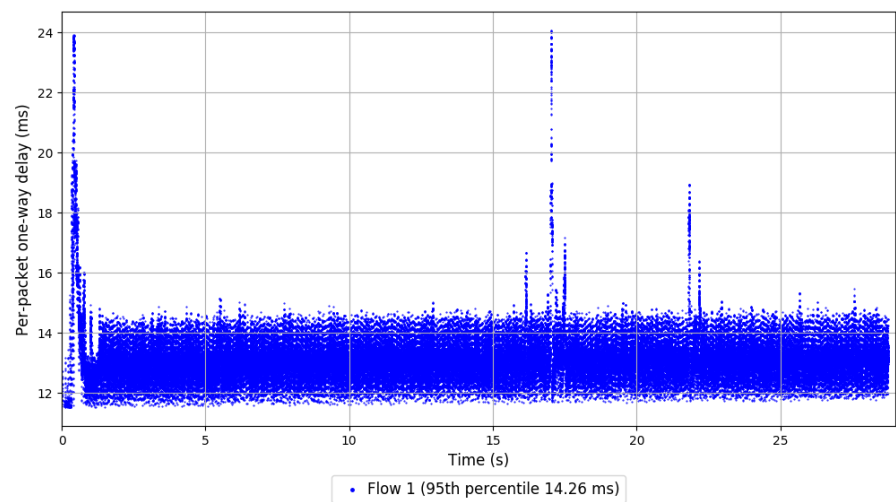
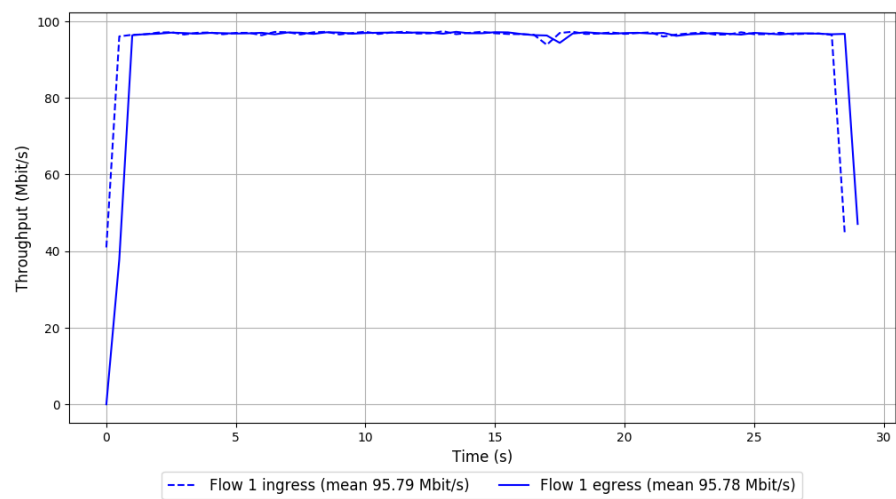


Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-11 20:02:27
End at: 2019-07-11 20:02:57
Local clock offset: -6.047 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-11 20:57:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 14.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 14.259 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-11 20:30:03

End at: 2019-07-11 20:30:33

Local clock offset: -2.565 ms

Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-07-11 20:57:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 11.276 ms

Loss rate: 0.00%

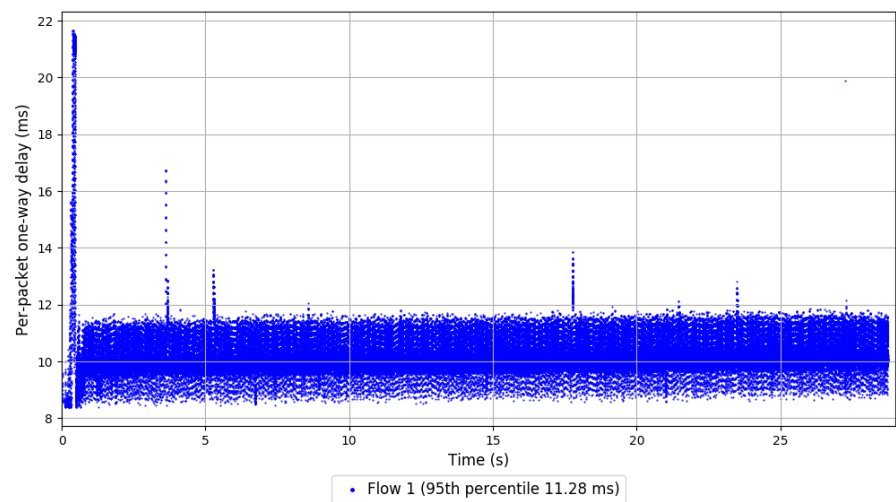
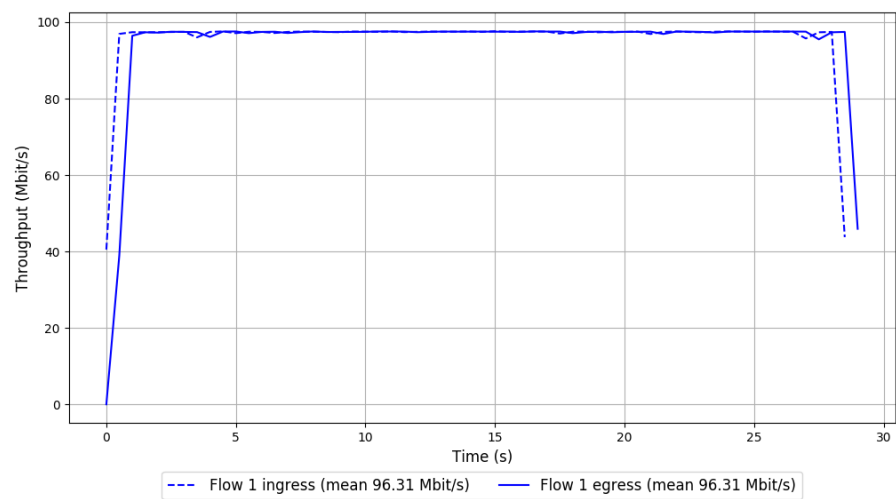
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 11.276 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-11 18:32:49

End at: 2019-07-11 18:33:19

Local clock offset: -5.675 ms

Remote clock offset: -0.798 ms

Below is generated by plot.py at 2019-07-11 20:57:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 17.534 ms

Loss rate: 0.33%

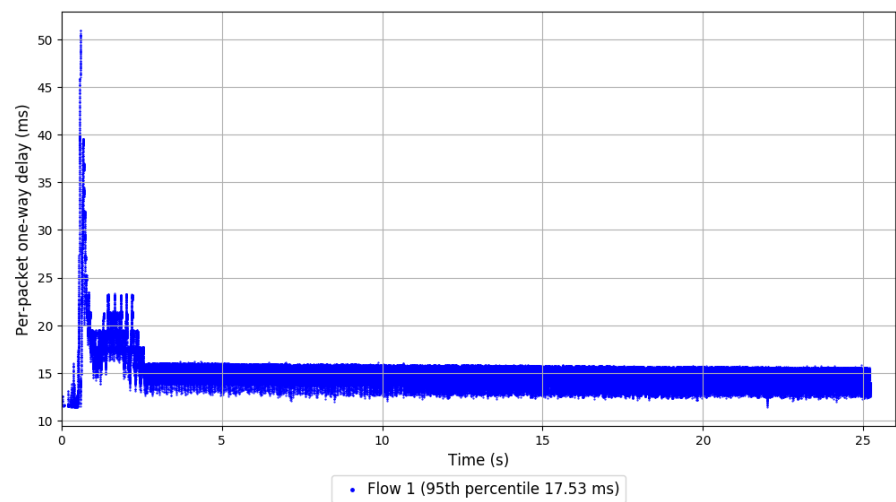
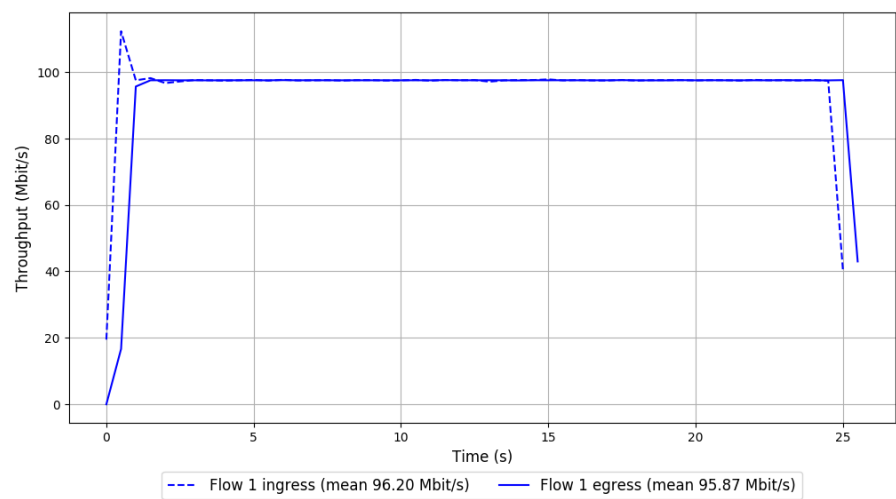
-- Flow 1:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 17.534 ms

Loss rate: 0.33%

Run 1: Report of Indigo-MusesT — Data Link

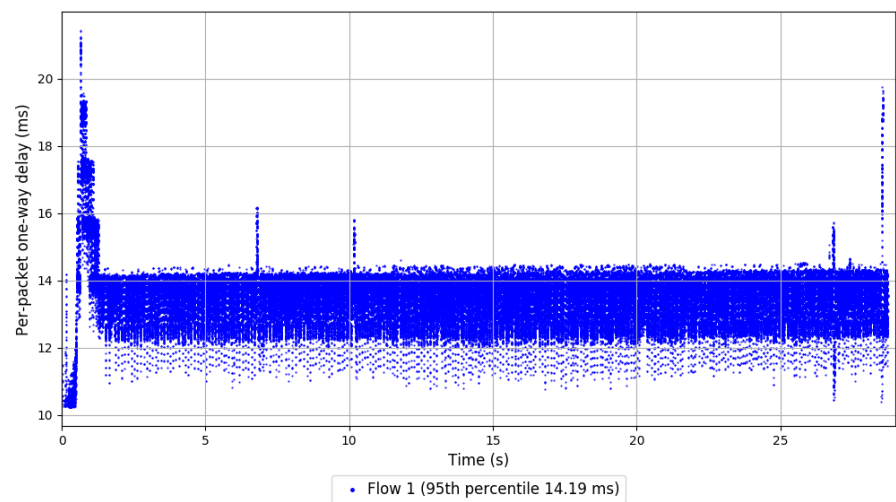
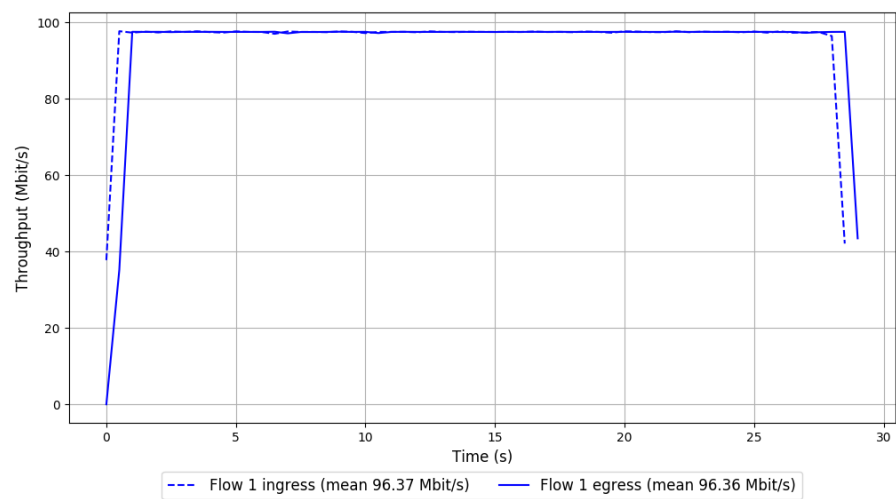


Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-11 19:00:24
End at: 2019-07-11 19:00:54
Local clock offset: -11.965 ms
Remote clock offset: -2.308 ms

Below is generated by plot.py at 2019-07-11 20:57:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 14.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 14.189 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

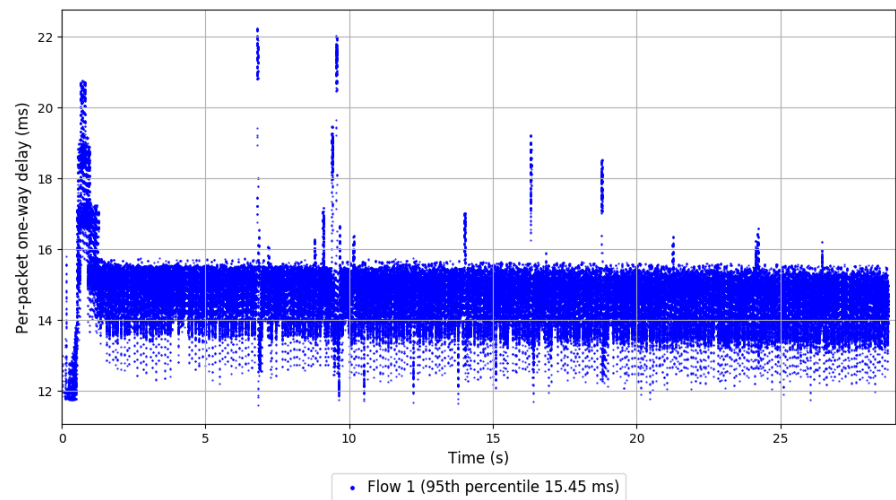
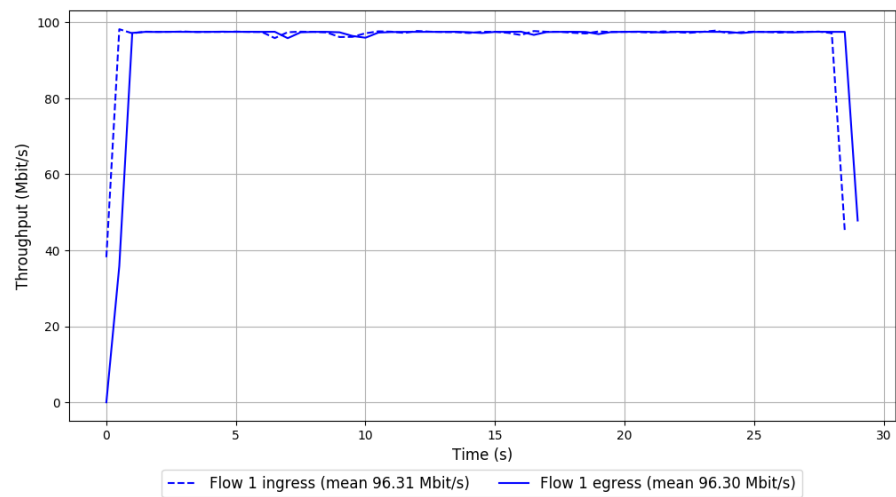


Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-11 19:28:07
End at: 2019-07-11 19:28:37
Local clock offset: -18.553 ms
Remote clock offset: -0.578 ms

Below is generated by plot.py at 2019-07-11 20:57:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 15.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 15.450 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link

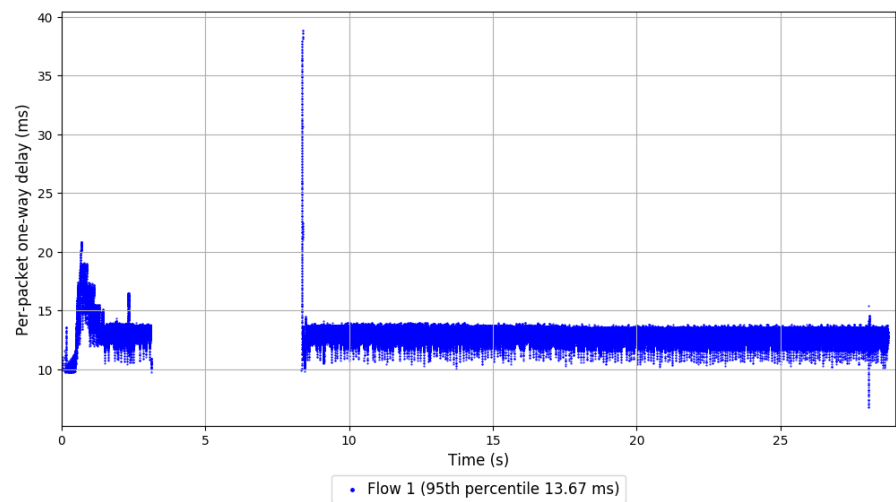
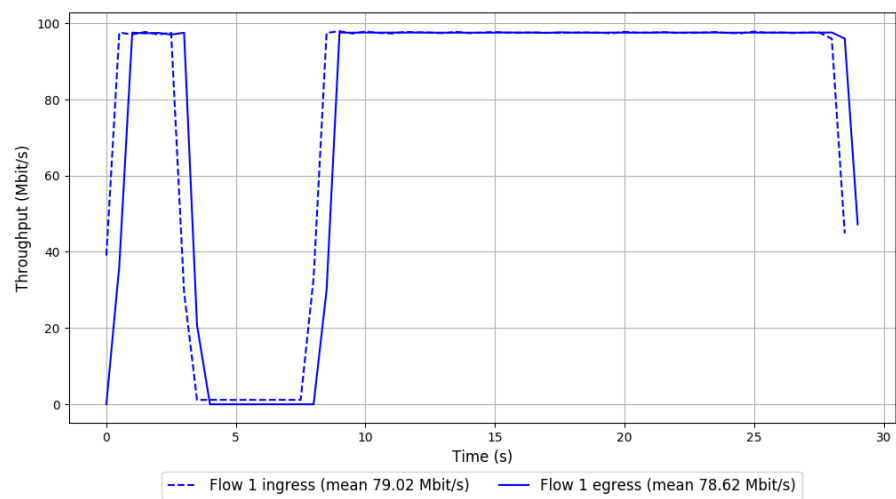


Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-11 19:55:39
End at: 2019-07-11 19:56:09
Local clock offset: -7.532 ms
Remote clock offset: -1.161 ms

Below is generated by plot.py at 2019-07-11 20:57:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 13.668 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 13.668 ms
Loss rate: 0.50%

Run 4: Report of Indigo-MusesT — Data Link

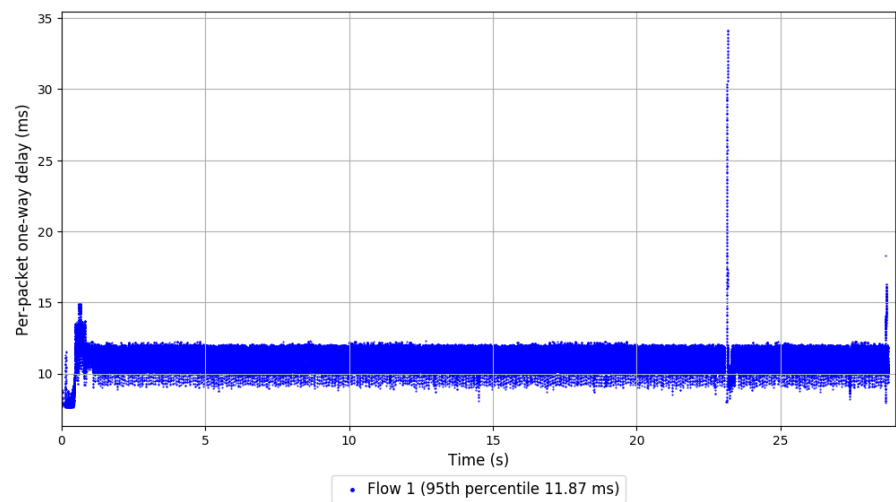
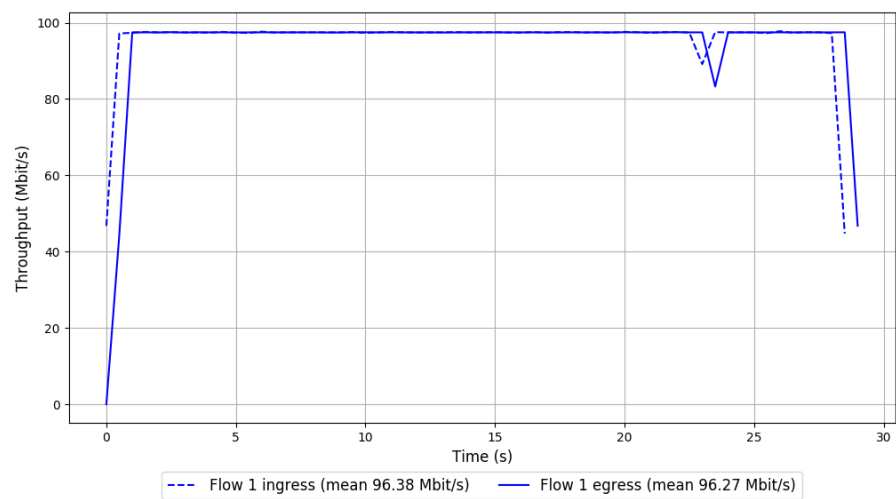


Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-11 20:23:12
End at: 2019-07-11 20:23:42
Local clock offset: -2.575 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-07-11 20:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 11.867 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 11.867 ms
Loss rate: 0.10%

Run 5: Report of Indigo-MusesT — Data Link

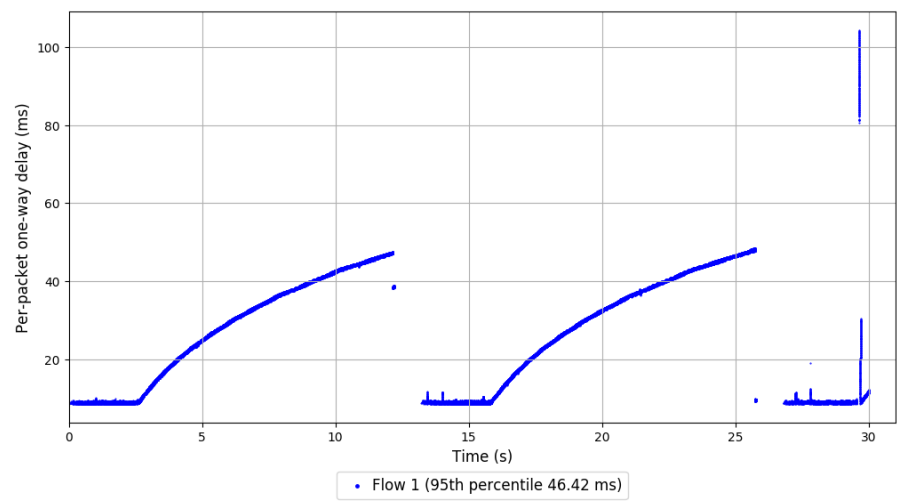
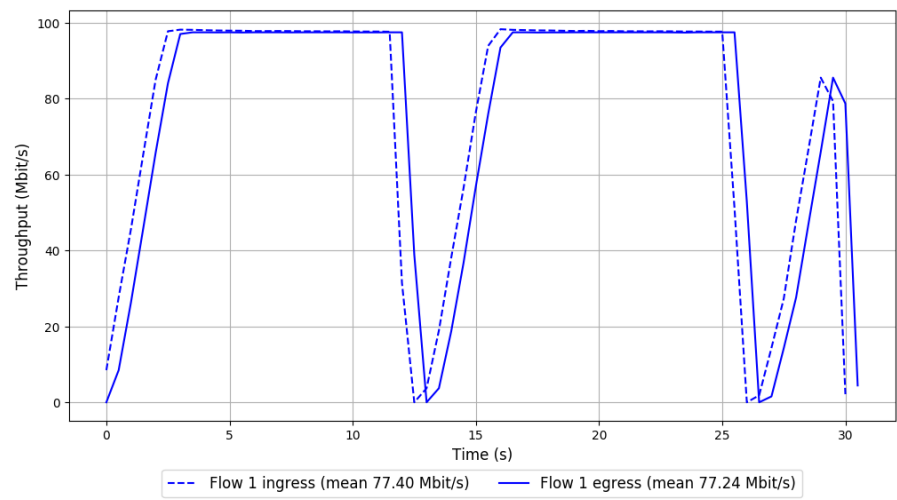


Run 1: Statistics of LEDBAT

Start at: 2019-07-11 18:48:50
End at: 2019-07-11 18:49:20
Local clock offset: -10.289 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2019-07-11 20:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 46.416 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 46.416 ms
Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link

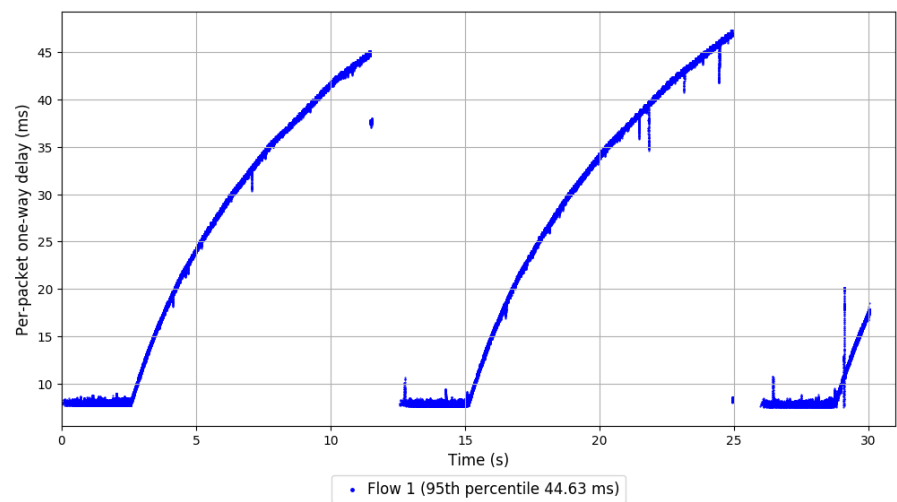
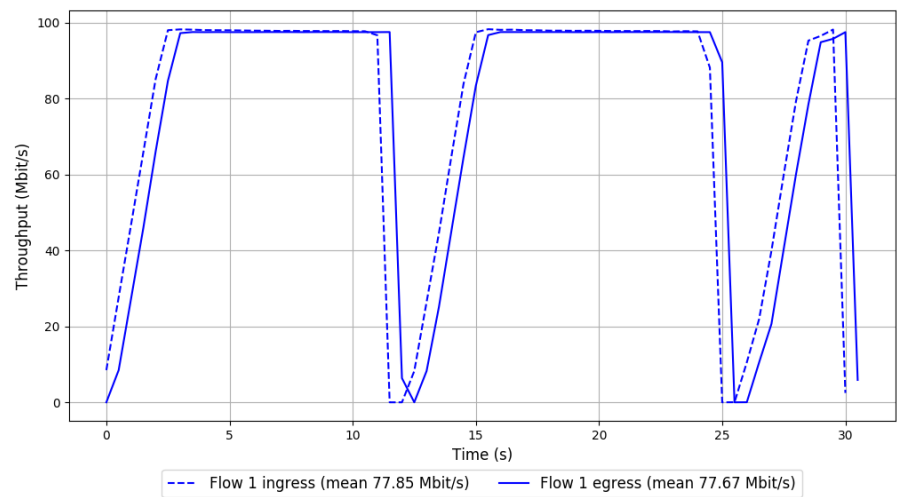


Run 2: Statistics of LEDBAT

Start at: 2019-07-11 19:16:32
End at: 2019-07-11 19:17:02
Local clock offset: -13.387 ms
Remote clock offset: -0.831 ms

Below is generated by plot.py at 2019-07-11 20:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 44.631 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 44.631 ms
Loss rate: 0.19%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-11 19:44:07

End at: 2019-07-11 19:44:37

Local clock offset: -6.775 ms

Remote clock offset: 0.54 ms

Below is generated by plot.py at 2019-07-11 20:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.23 Mbit/s

95th percentile per-packet one-way delay: 48.021 ms

Loss rate: 0.18%

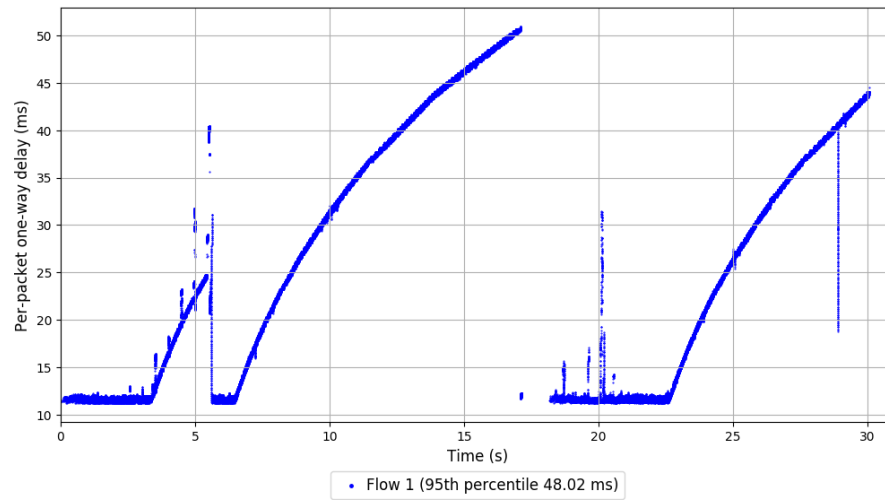
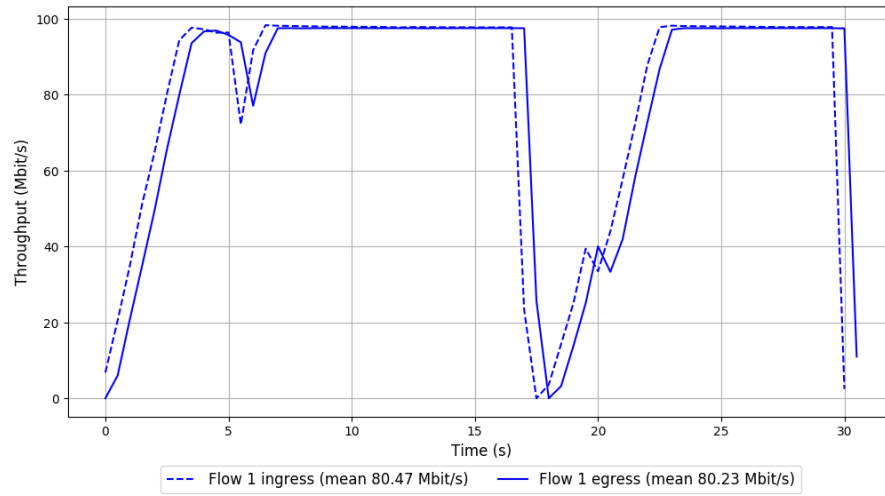
-- Flow 1:

Average throughput: 80.23 Mbit/s

95th percentile per-packet one-way delay: 48.021 ms

Loss rate: 0.18%

Run 3: Report of LEDBAT — Data Link

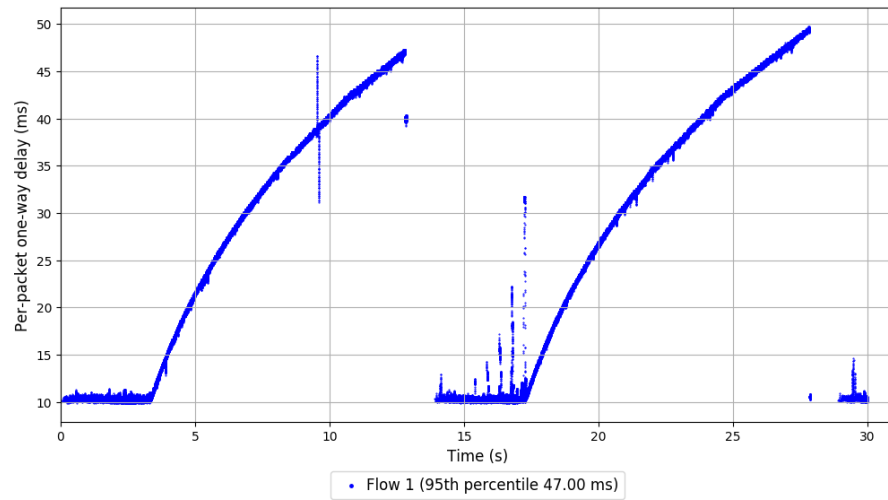
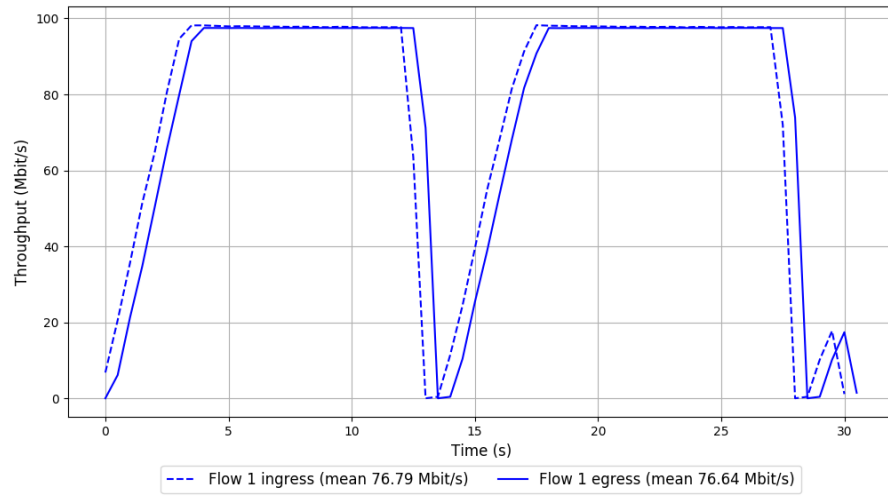


Run 4: Statistics of LEDBAT

Start at: 2019-07-11 20:11:36
End at: 2019-07-11 20:12:06
Local clock offset: -3.014 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2019-07-11 20:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 46.996 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 46.996 ms
Loss rate: 0.19%

Run 4: Report of LEDBAT — Data Link

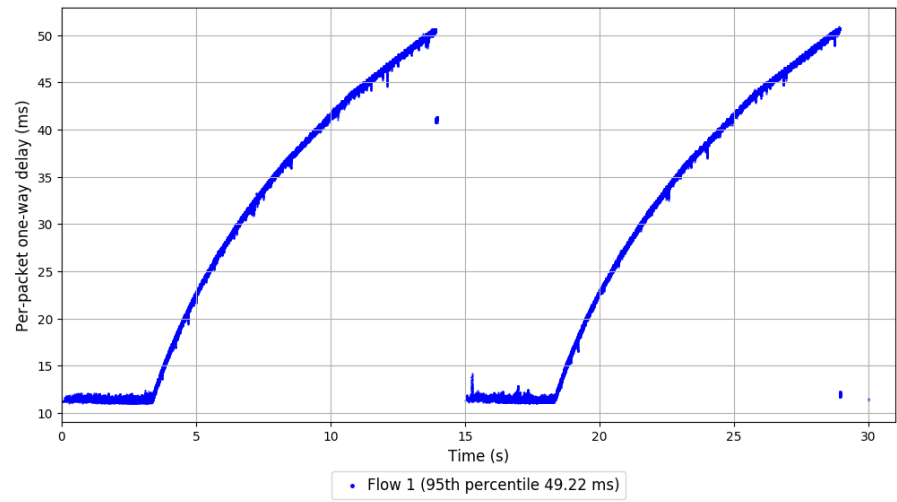
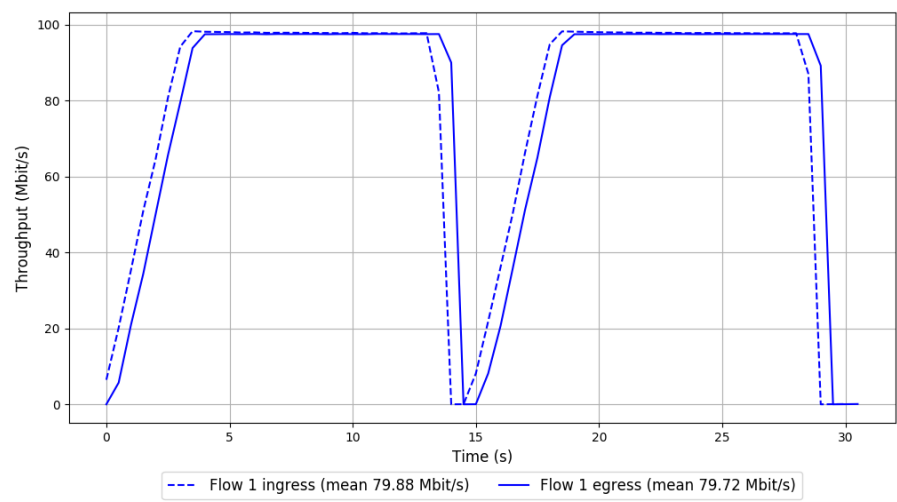


Run 5: Statistics of LEDBAT

Start at: 2019-07-11 20:39:28
End at: 2019-07-11 20:39:58
Local clock offset: 0.152 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2019-07-11 20:58:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 49.224 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 49.224 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-11 18:52:19
End at: 2019-07-11 18:52:49
Local clock offset: -10.632 ms
Remote clock offset: -1.792 ms

Below is generated by plot.py at 2019-07-11 20:58:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 14.898 ms

Loss rate: 0.00%

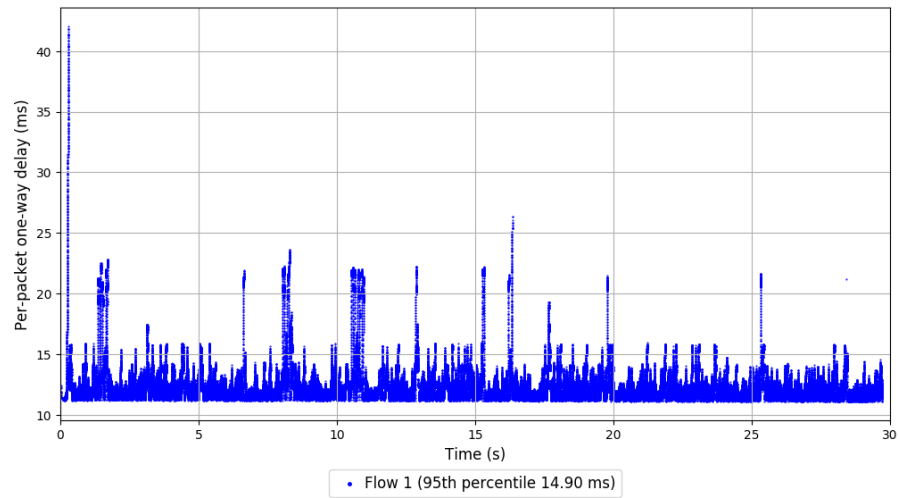
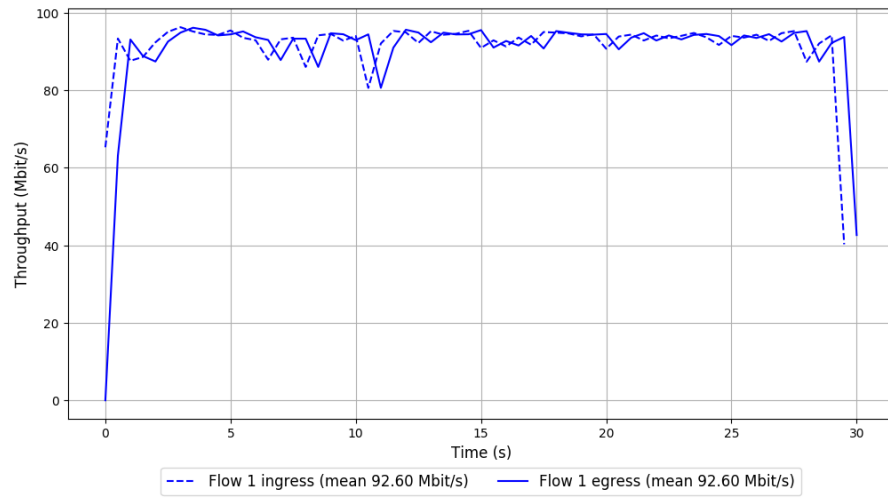
-- Flow 1:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 14.898 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link

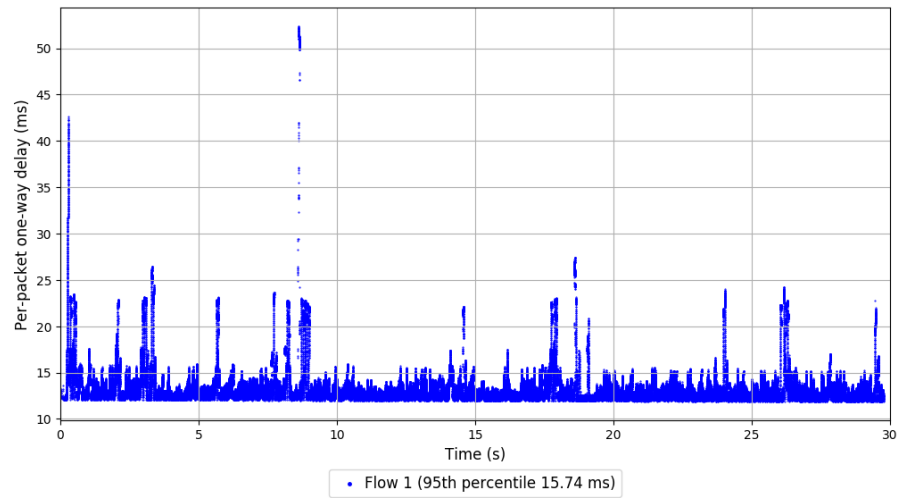
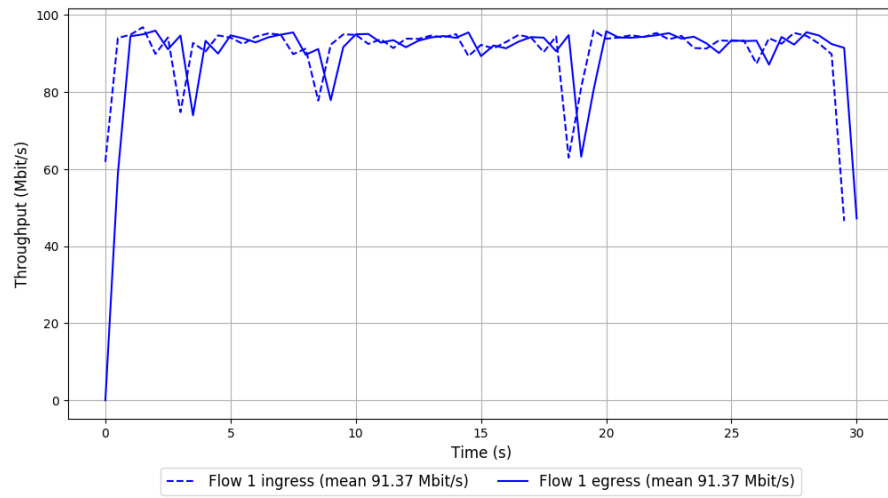


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-11 19:20:07
End at: 2019-07-11 19:20:37
Local clock offset: -15.005 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-07-11 20:58:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 15.742 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 15.742 ms
Loss rate: 0.01%

Run 2: Report of Muses_DecisionTree — Data Link

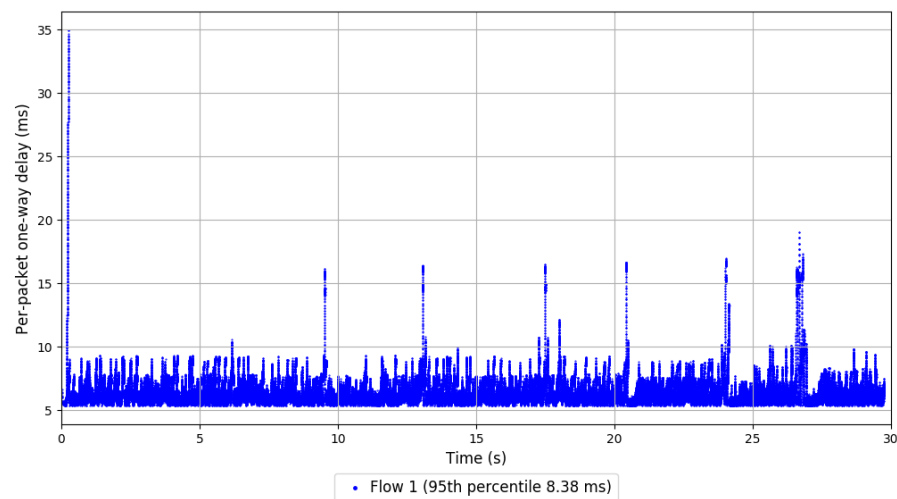
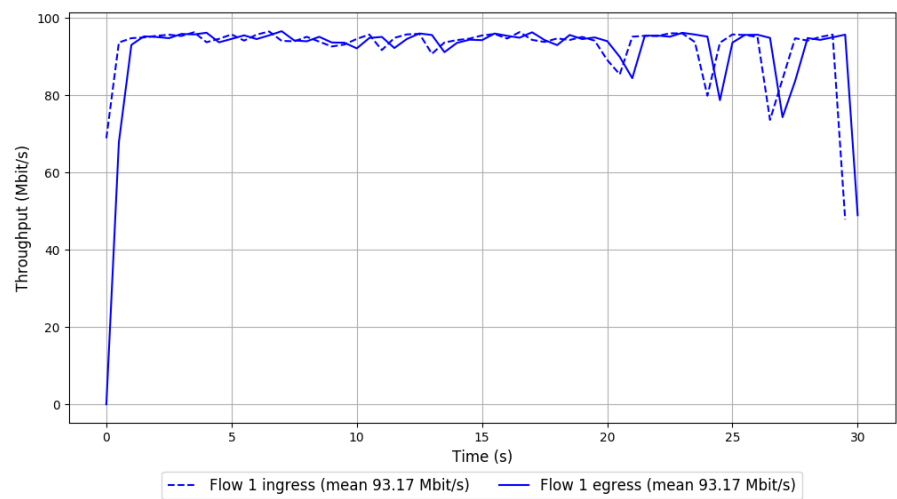


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-11 19:47:34
End at: 2019-07-11 19:48:04
Local clock offset: -6.937 ms
Remote clock offset: -2.398 ms

Below is generated by plot.py at 2019-07-11 20:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 8.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 8.375 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link

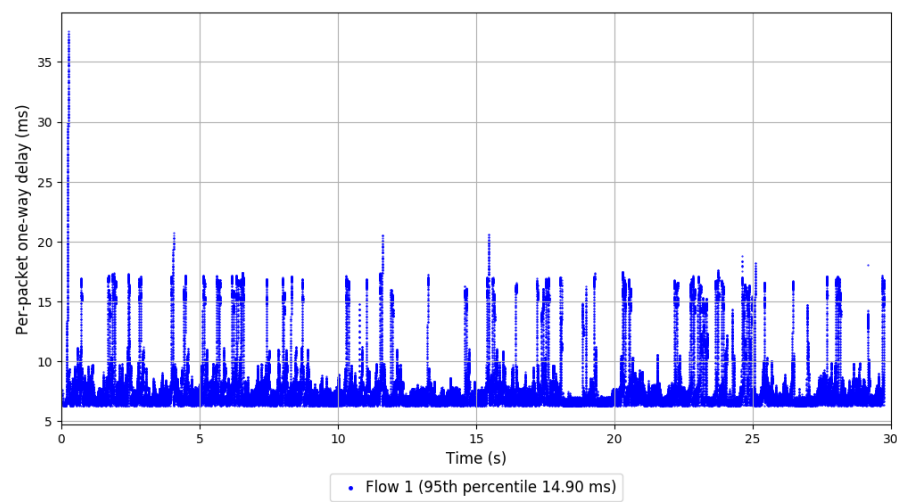
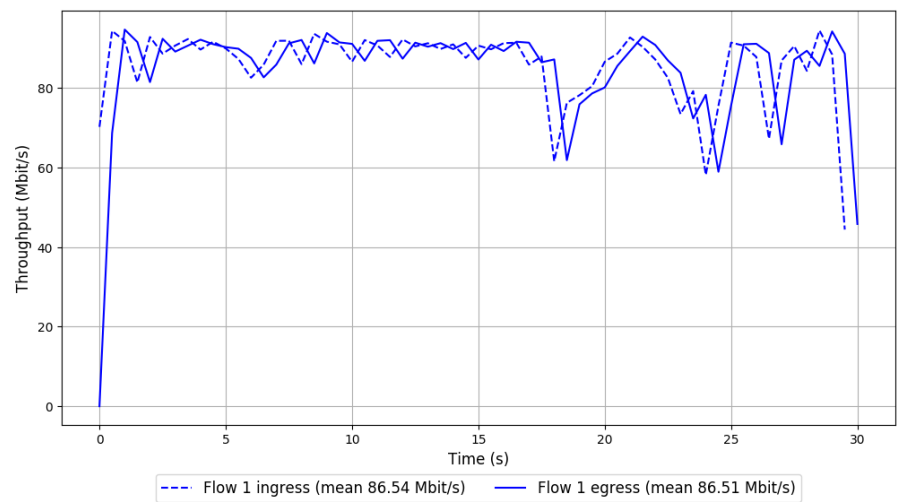


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-11 20:15:06
End at: 2019-07-11 20:15:36
Local clock offset: -2.534 ms
Remote clock offset: -1.461 ms

Below is generated by plot.py at 2019-07-11 20:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 14.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 14.902 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link

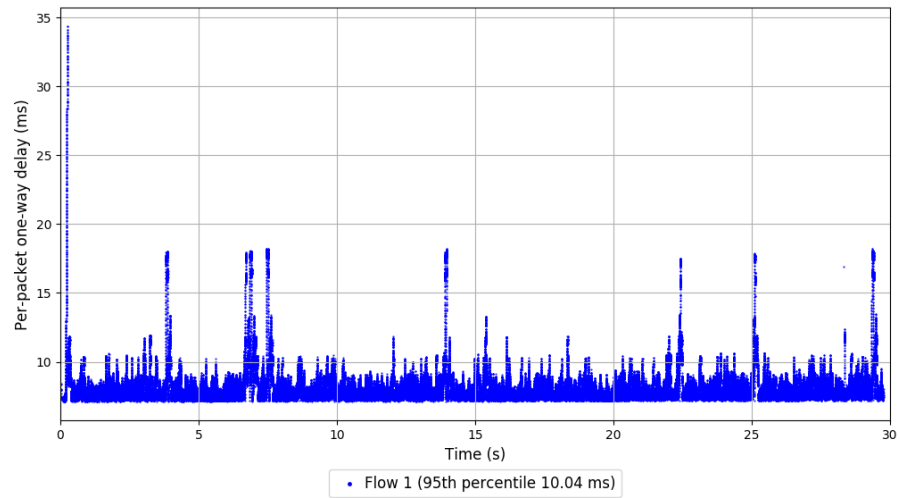
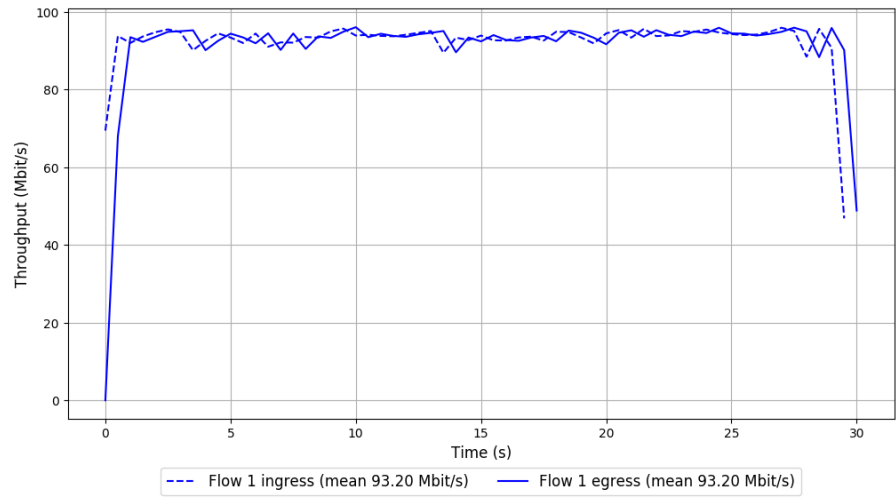


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-11 20:43:02
End at: 2019-07-11 20:43:32
Local clock offset: 1.212 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2019-07-11 20:59:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 10.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 10.038 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 18:50:00

End at: 2019-07-11 18:50:30

Local clock offset: -9.231 ms

Remote clock offset: -1.872 ms

Run 1: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 19:17:47

End at: 2019-07-11 19:18:17

Local clock offset: -13.728 ms

Remote clock offset: -0.97 ms

Run 2: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 19:45:17

End at: 2019-07-11 19:45:47

Local clock offset: -7.49 ms

Remote clock offset: -1.225 ms

Run 3: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 20:12:49

End at: 2019-07-11 20:13:19

Local clock offset: -3.038 ms

Remote clock offset: -1.535 ms

Run 4: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 20:40:43

End at: 2019-07-11 20:41:13

Local clock offset: 0.585 ms

Remote clock offset: -0.87 ms

Run 5: Report of Muses_DecisionTreeH0 — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 18:38:24

End at: 2019-07-11 18:38:54

Local clock offset: -10.345 ms

Remote clock offset: -3.27 ms

Run 1: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 19:06:11

End at: 2019-07-11 19:06:41

Local clock offset: -10.904 ms

Remote clock offset: -2.911 ms

Run 2: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 19:33:48

End at: 2019-07-11 19:34:18

Local clock offset: -11.482 ms

Remote clock offset: 0.462 ms

Run 3: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 20:01:22

End at: 2019-07-11 20:01:52

Local clock offset: -6.241 ms

Remote clock offset: 0.629 ms

Run 4: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 20:28:56

End at: 2019-07-11 20:29:26

Local clock offset: -2.394 ms

Remote clock offset: -0.23 ms

Run 5: Report of Muses_DecisionTreeR0 — Data Link

Figure is missing

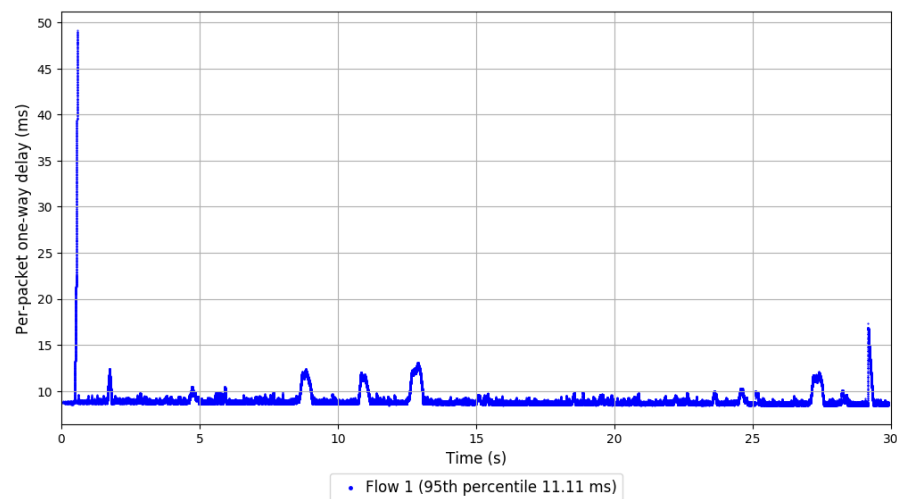
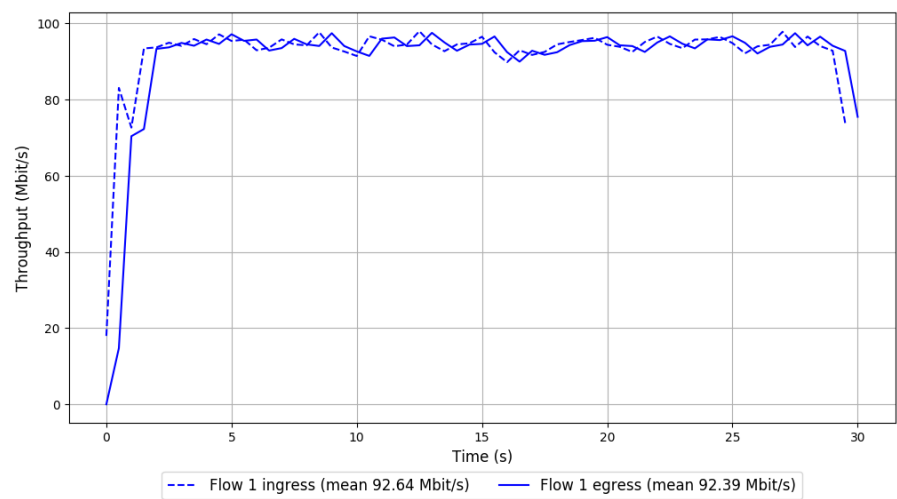
Figure is missing

Run 1: Statistics of PCC-Allegro

Start at: 2019-07-11 18:41:53
End at: 2019-07-11 18:42:24
Local clock offset: -9.337 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2019-07-11 20:59:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 11.109 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 11.109 ms
Loss rate: 0.27%

Run 1: Report of PCC-Allegro — Data Link

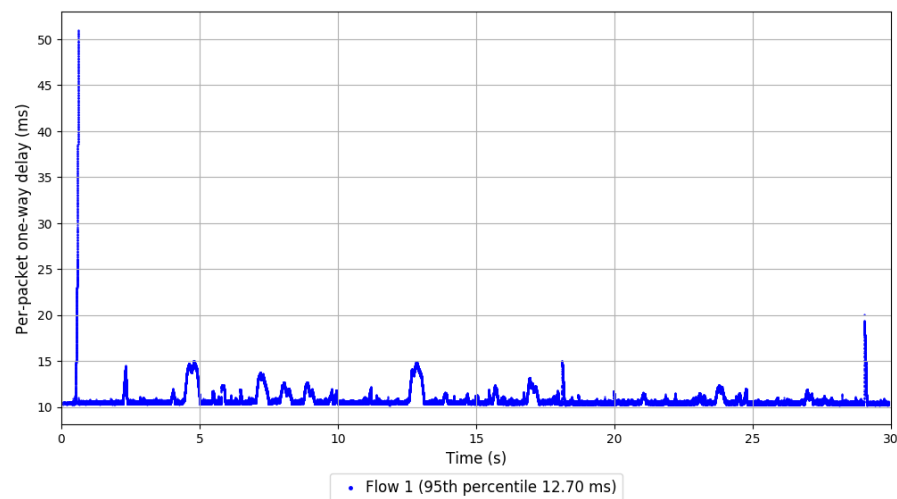
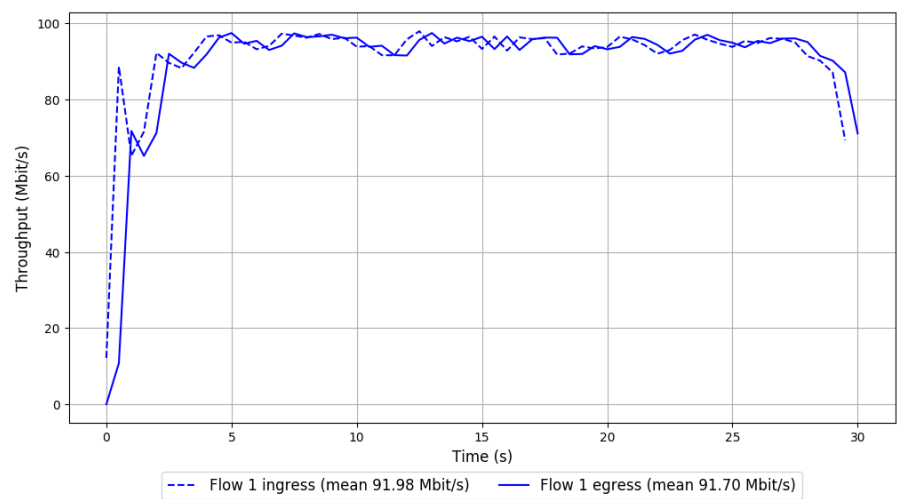


Run 2: Statistics of PCC-Allegro

Start at: 2019-07-11 19:09:38
End at: 2019-07-11 19:10:08
Local clock offset: -11.139 ms
Remote clock offset: -1.406 ms

Below is generated by plot.py at 2019-07-11 20:59:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 12.701 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 12.701 ms
Loss rate: 0.31%

Run 2: Report of PCC-Allegro — Data Link

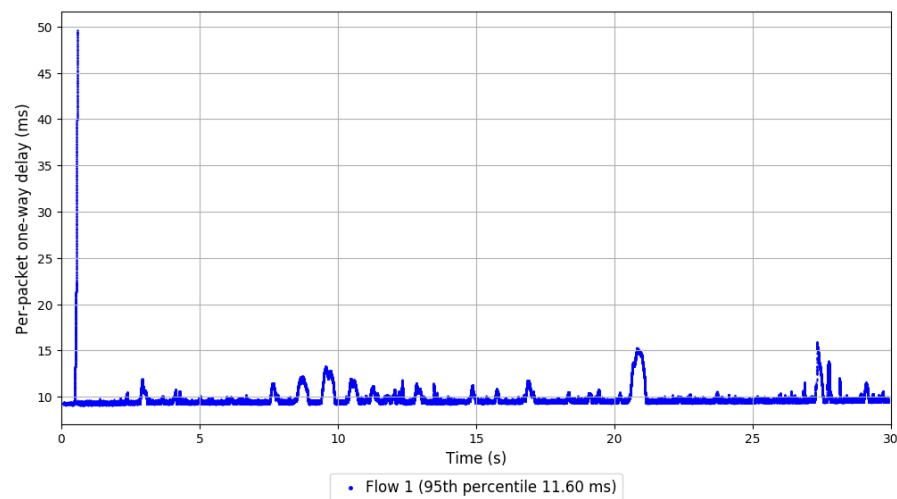
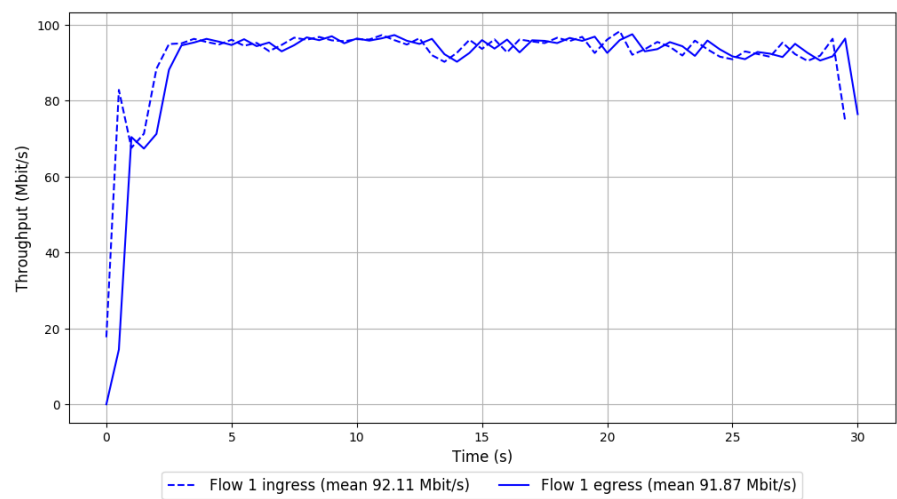


Run 3: Statistics of PCC-Allegro

Start at: 2019-07-11 19:37:16
End at: 2019-07-11 19:37:46
Local clock offset: -10.108 ms
Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-07-11 20:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 11.598 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 11.598 ms
Loss rate: 0.26%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-11 20:04:49

End at: 2019-07-11 20:05:19

Local clock offset: -4.934 ms

Remote clock offset: -0.136 ms

Below is generated by plot.py at 2019-07-11 20:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 13.007 ms

Loss rate: 0.28%

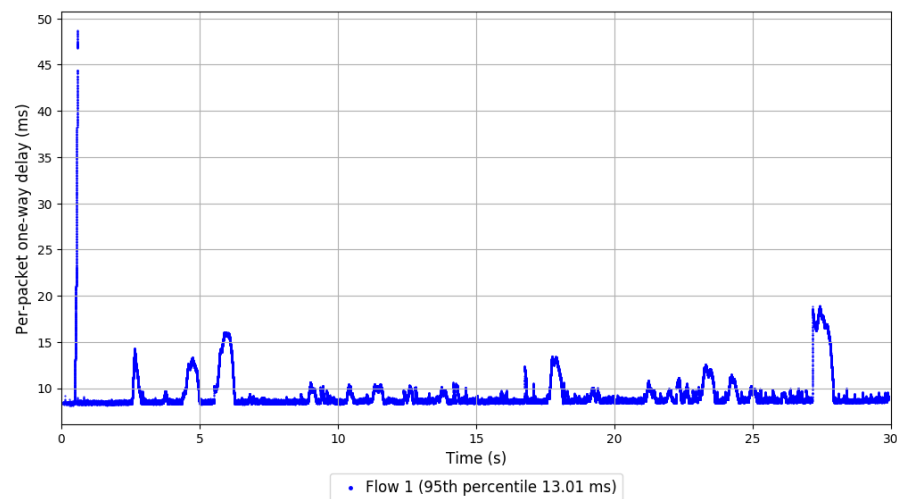
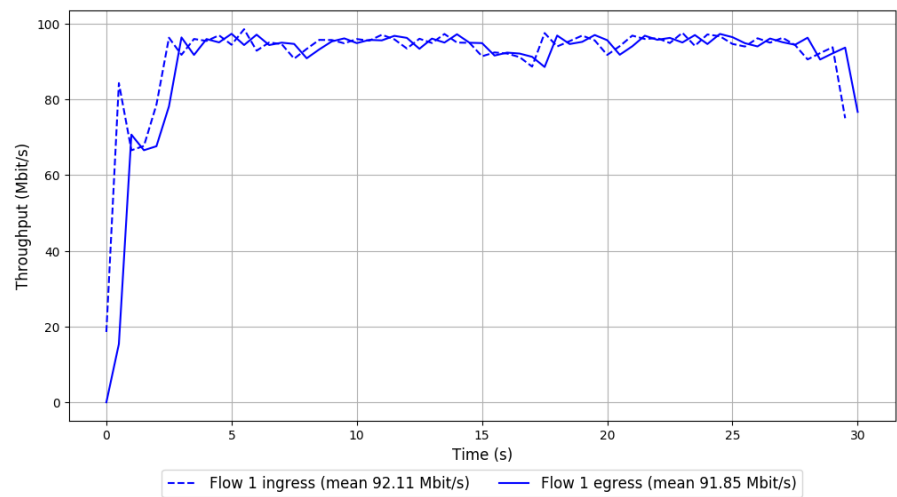
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 13.007 ms

Loss rate: 0.28%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-11 20:32:24

End at: 2019-07-11 20:32:54

Local clock offset: -1.364 ms

Remote clock offset: -1.193 ms

Below is generated by plot.py at 2019-07-11 20:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 13.995 ms

Loss rate: 0.31%

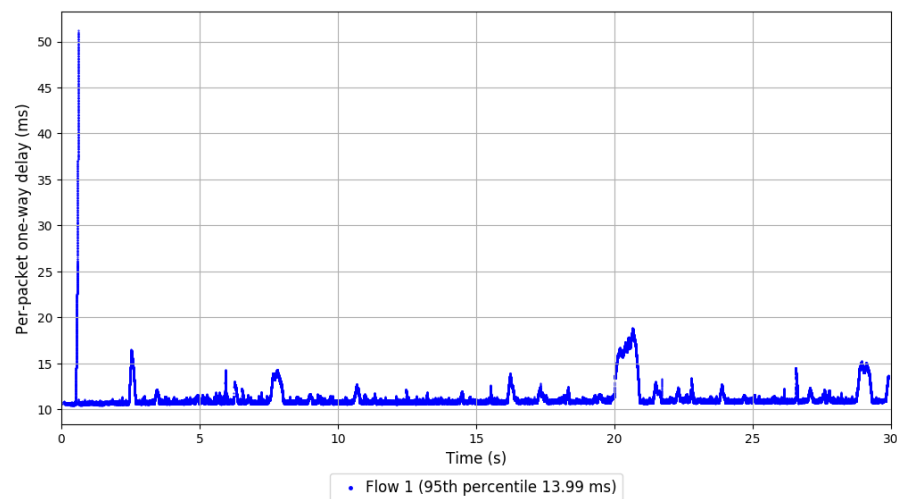
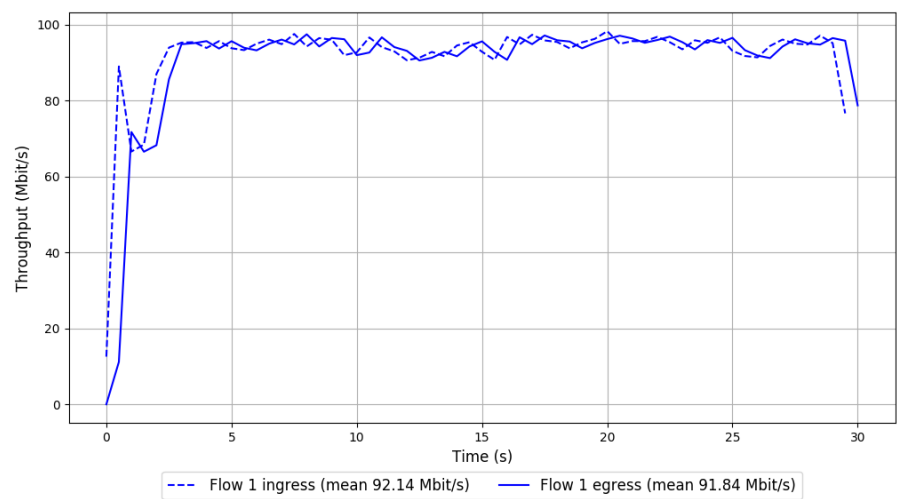
-- Flow 1:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 13.995 ms

Loss rate: 0.31%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

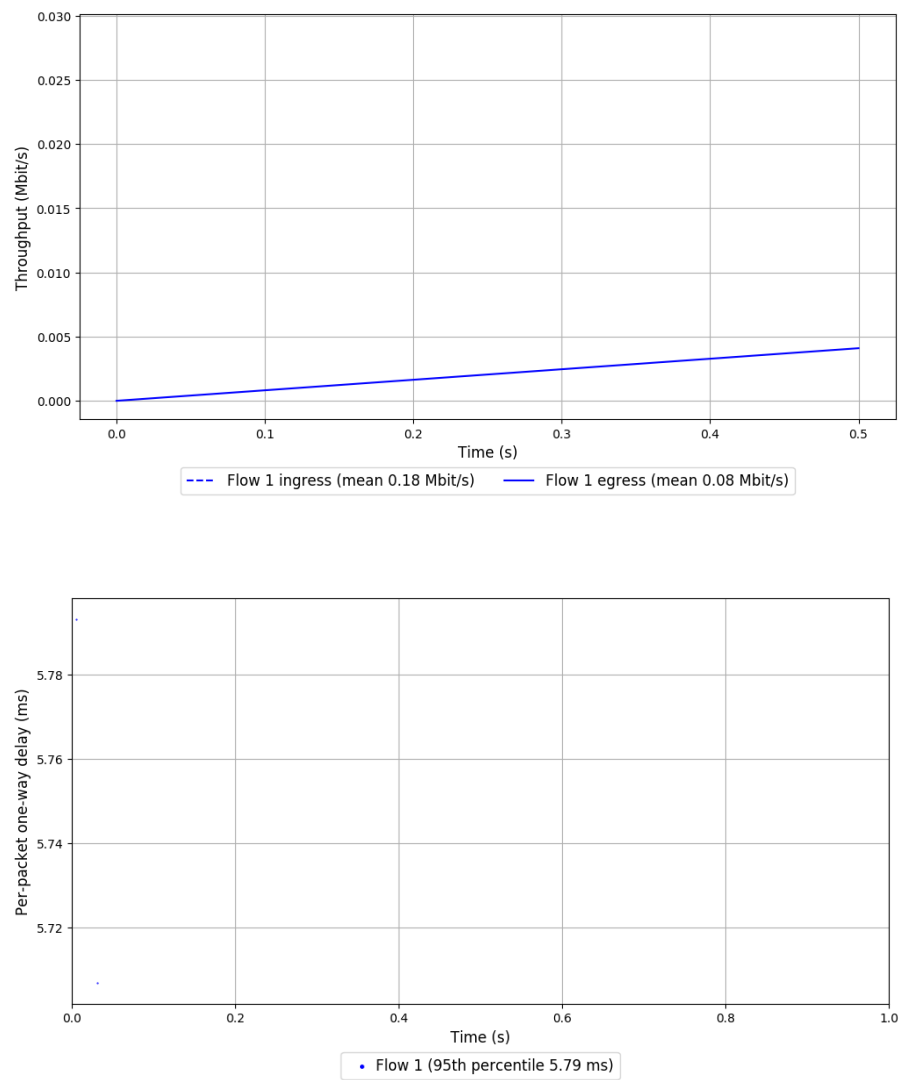
Start at: 2019-07-11 18:56:58

End at: 2019-07-11 18:57:28

Local clock offset: -10.67 ms

Remote clock offset: -2.584 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

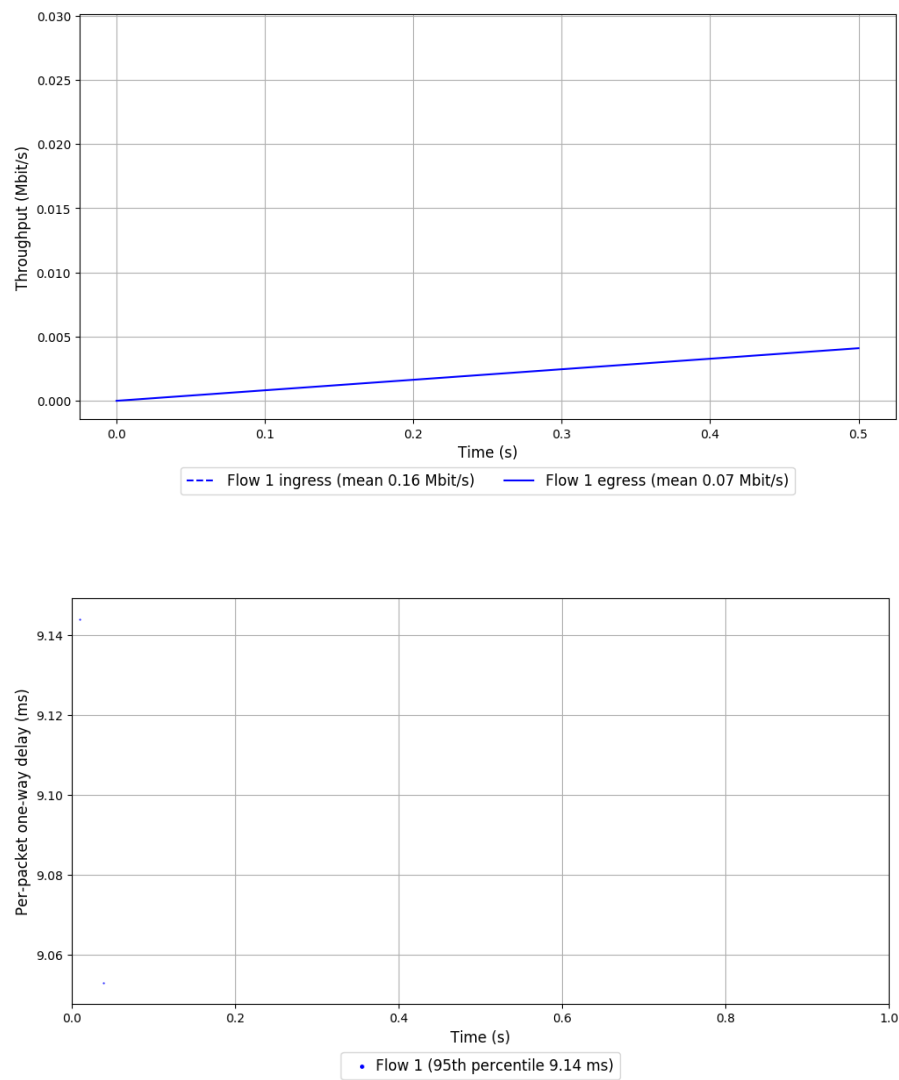
Start at: 2019-07-11 19:24:45

End at: 2019-07-11 19:25:15

Local clock offset: -16.635 ms

Remote clock offset: -2.801 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

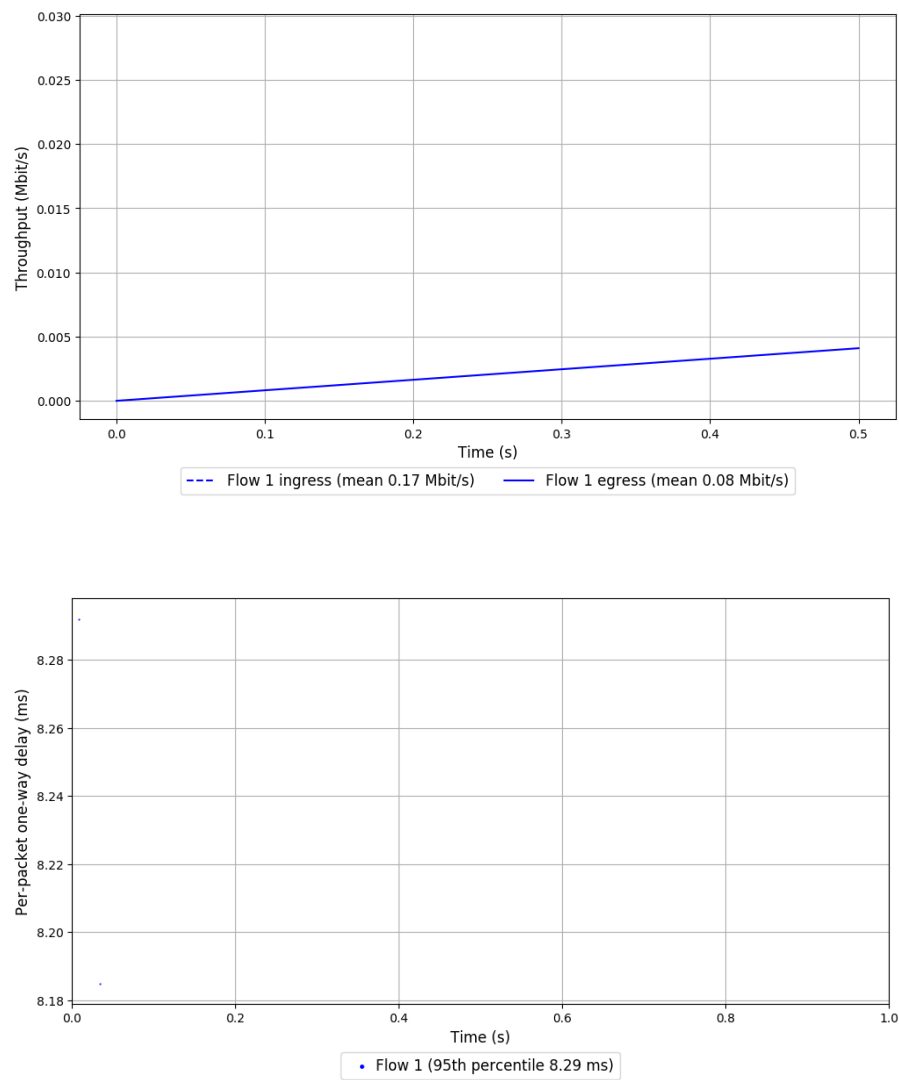
Start at: 2019-07-11 19:52:16

End at: 2019-07-11 19:52:46

Local clock offset: -7.203 ms

Remote clock offset: 0.265 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

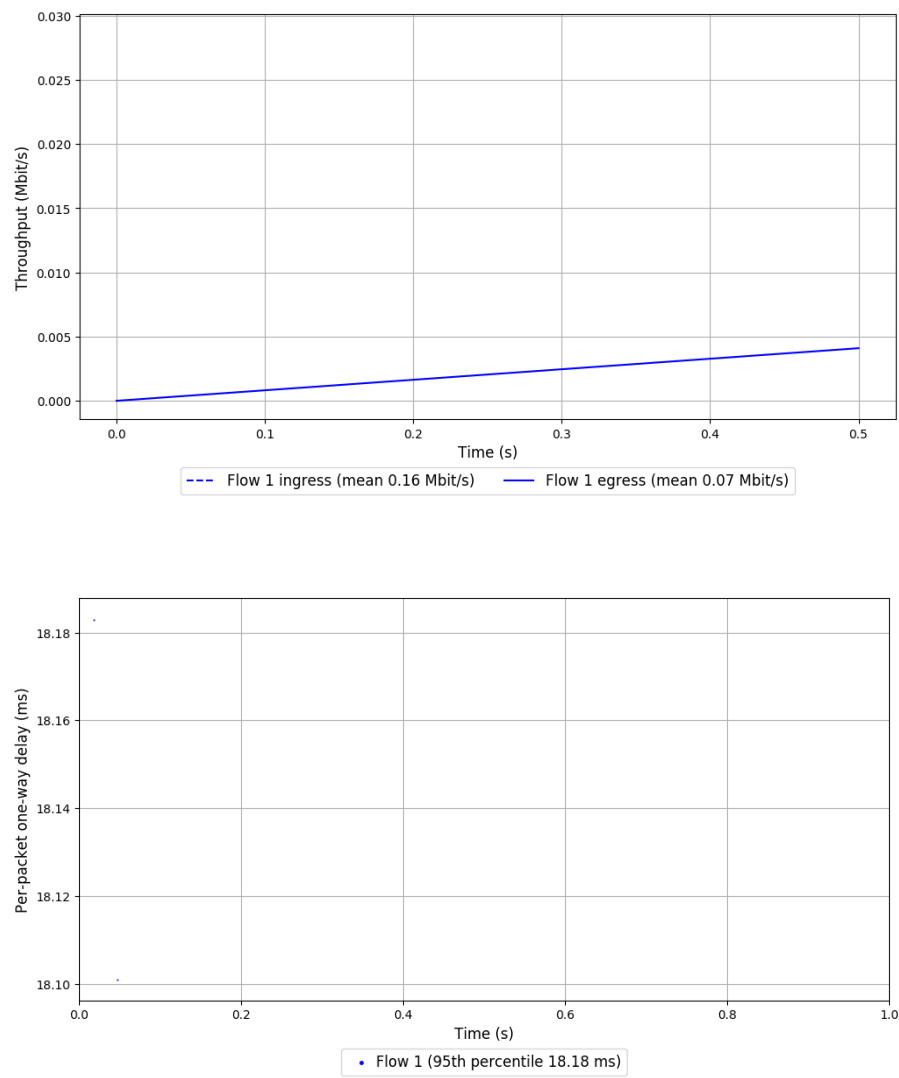
Start at: 2019-07-11 20:19:50

End at: 2019-07-11 20:20:20

Local clock offset: -10.234 ms

Remote clock offset: -0.943 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

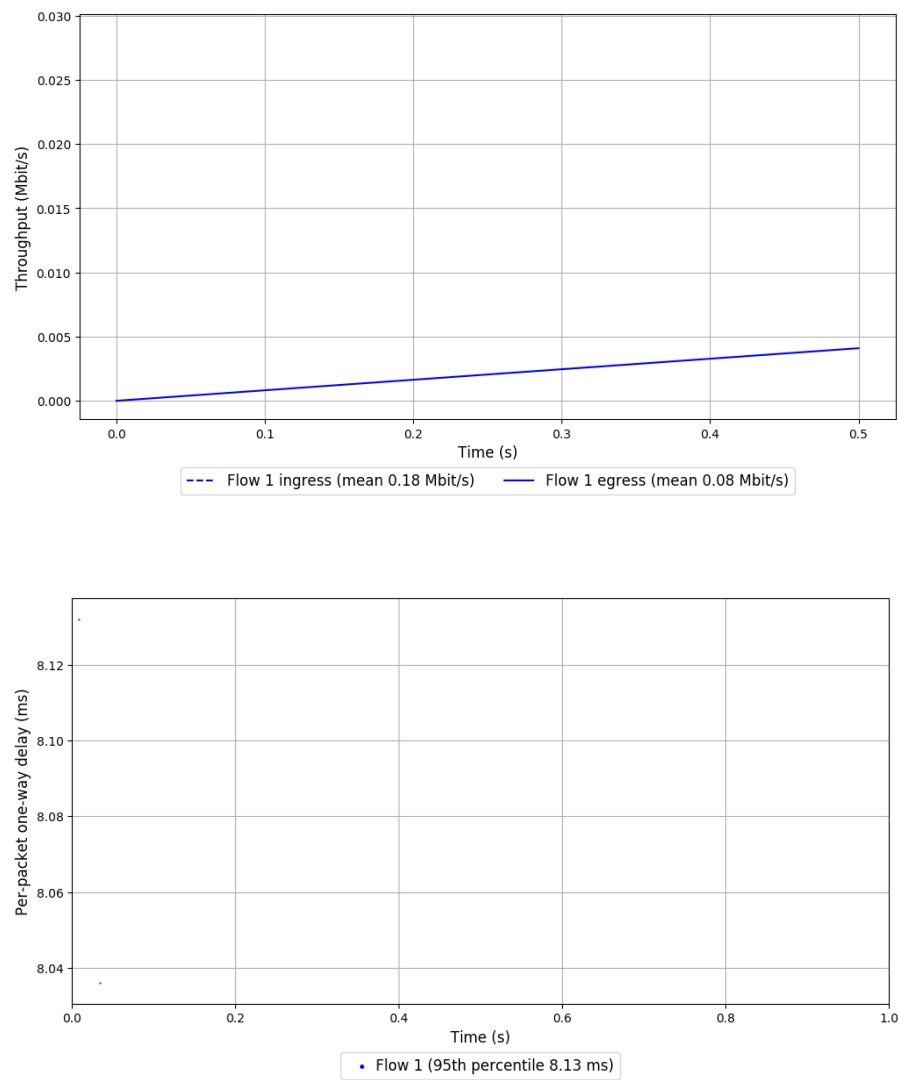
Start at: 2019-07-11 20:47:44

End at: 2019-07-11 20:48:14

Local clock offset: 0.651 ms

Remote clock offset: -1.257 ms

Run 5: Report of PCC-Expr — Data Link

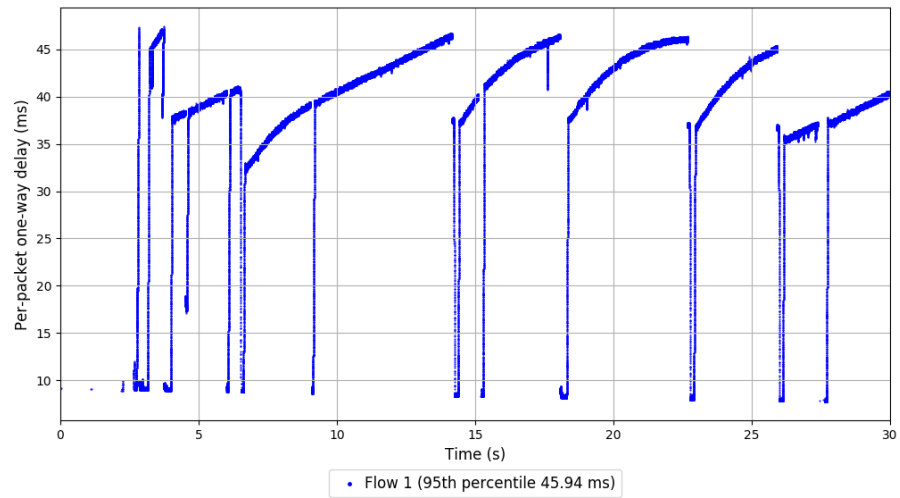
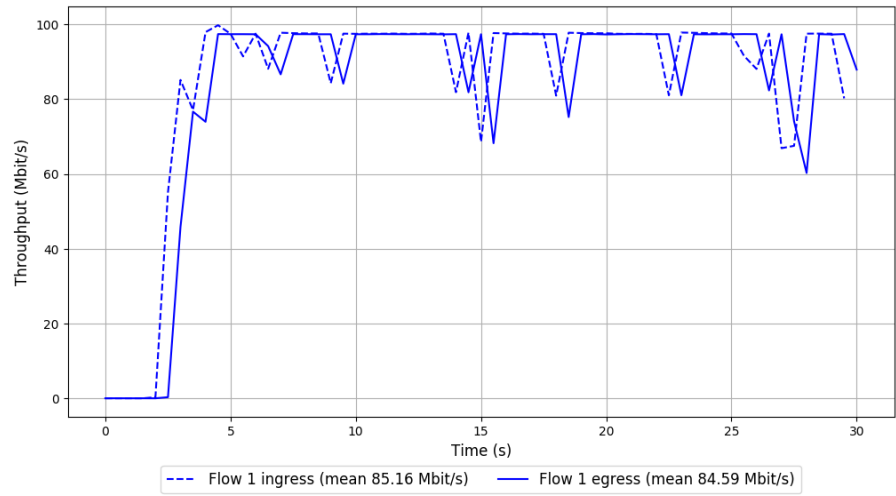


Run 1: Statistics of QUIC Cubic

Start at: 2019-07-11 18:31:39
End at: 2019-07-11 18:32:09
Local clock offset: -0.333 ms
Remote clock offset: -0.588 ms

Below is generated by plot.py at 2019-07-11 20:59:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 45.940 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 45.940 ms
Loss rate: 0.56%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-11 18:59:11

End at: 2019-07-11 18:59:41

Local clock offset: -12.53 ms

Remote clock offset: -2.59 ms

Below is generated by plot.py at 2019-07-11 20:59:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 47.457 ms

Loss rate: 0.41%

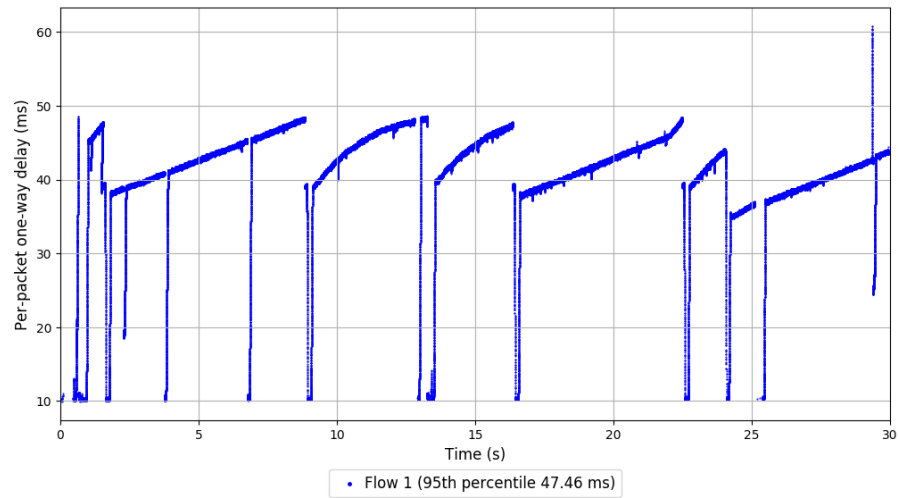
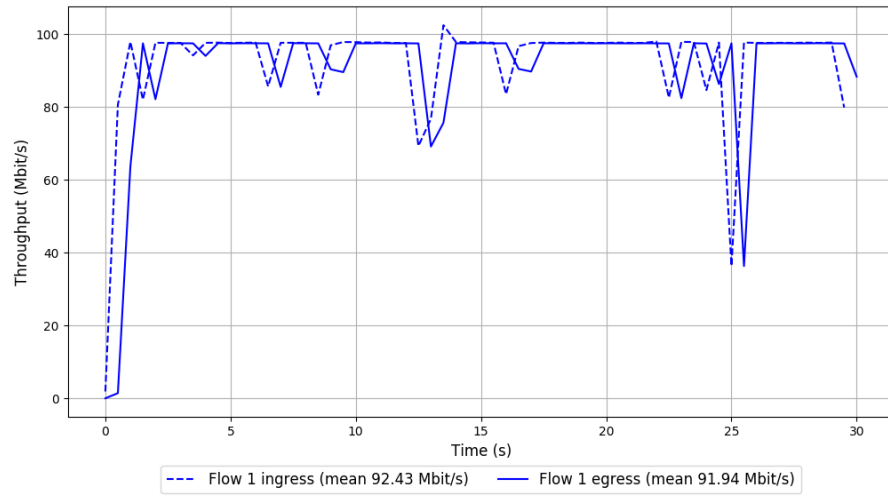
-- Flow 1:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 47.457 ms

Loss rate: 0.41%

Run 2: Report of QUIC Cubic — Data Link

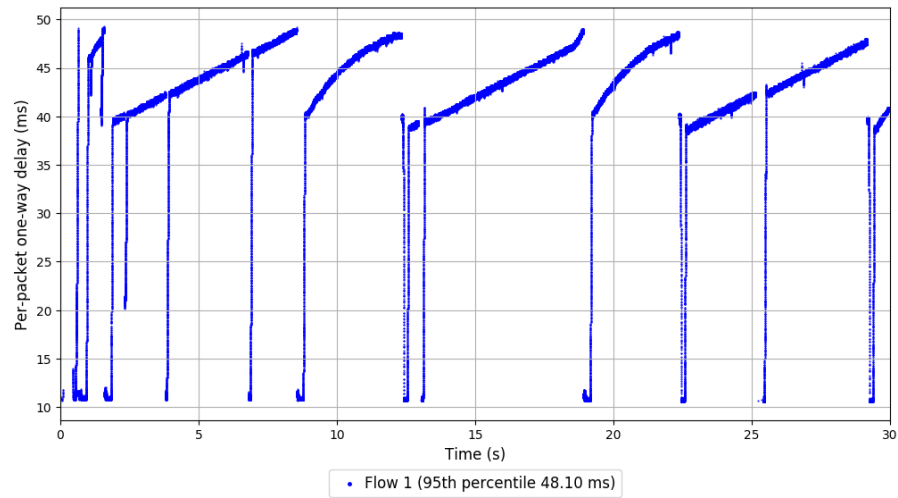
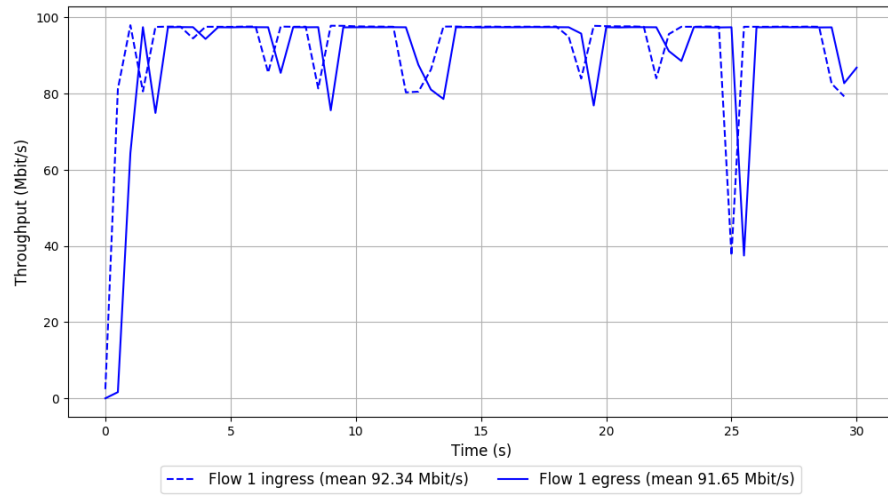


Run 3: Statistics of QUIC Cubic

Start at: 2019-07-11 19:26:56
End at: 2019-07-11 19:27:26
Local clock offset: -17.127 ms
Remote clock offset: -0.47 ms

Below is generated by plot.py at 2019-07-11 21:00:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 48.100 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 48.100 ms
Loss rate: 0.64%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-11 19:54:27

End at: 2019-07-11 19:54:57

Local clock offset: -7.12 ms

Remote clock offset: -1.878 ms

Below is generated by plot.py at 2019-07-11 21:00:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 45.510 ms

Loss rate: 0.52%

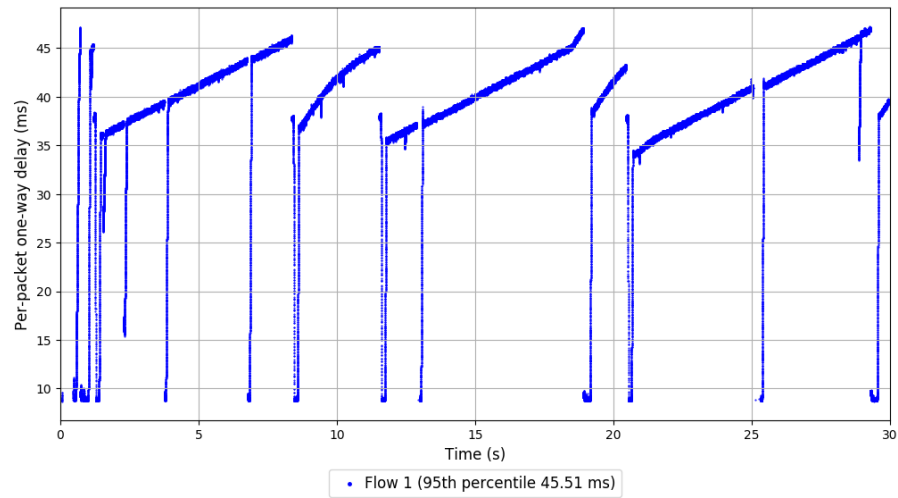
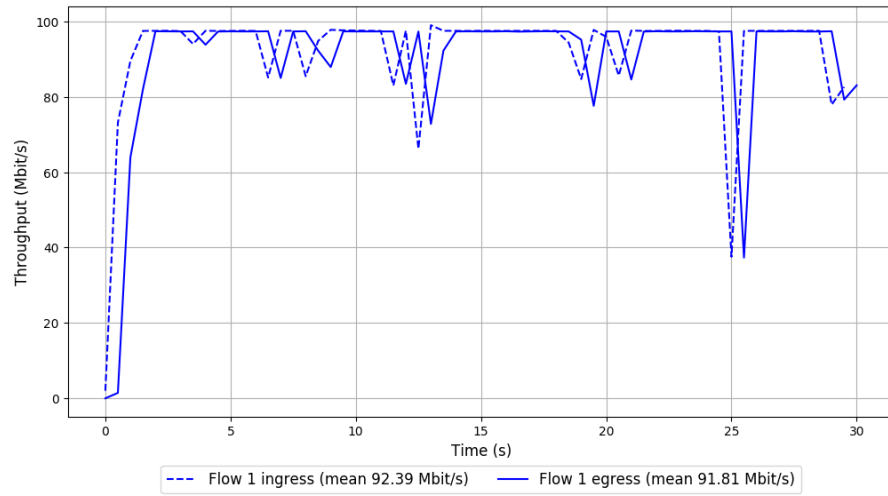
-- Flow 1:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 45.510 ms

Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-11 20:22:02

End at: 2019-07-11 20:22:32

Local clock offset: -2.892 ms

Remote clock offset: -1.253 ms

Below is generated by plot.py at 2019-07-11 21:00:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.23 Mbit/s

95th percentile per-packet one-way delay: 43.978 ms

Loss rate: 0.75%

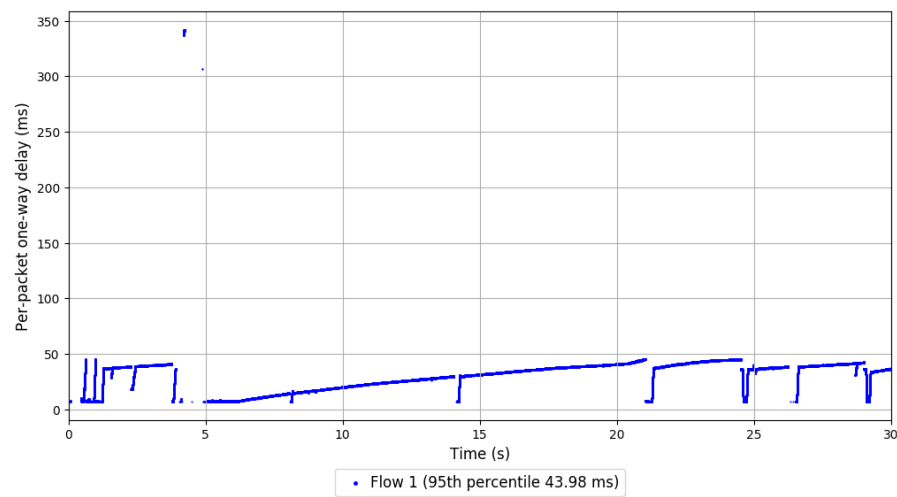
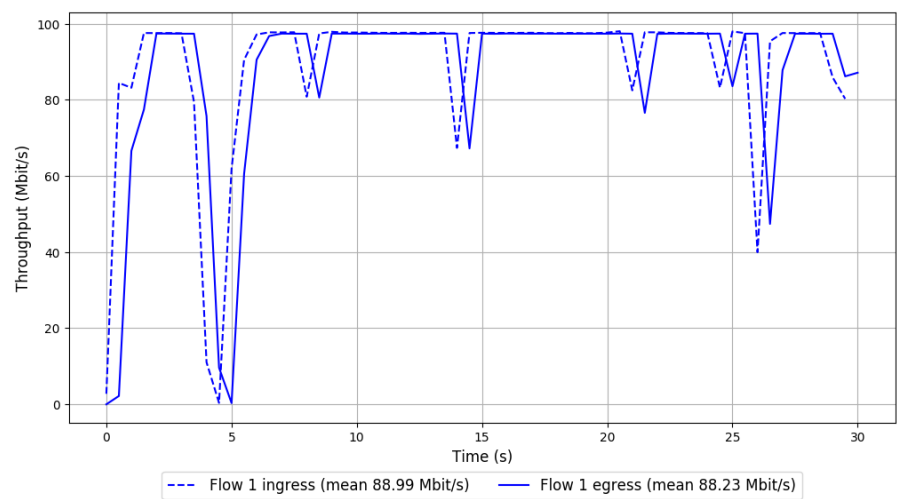
-- Flow 1:

Average throughput: 88.23 Mbit/s

95th percentile per-packet one-way delay: 43.978 ms

Loss rate: 0.75%

Run 5: Report of QUIC Cubic — Data Link

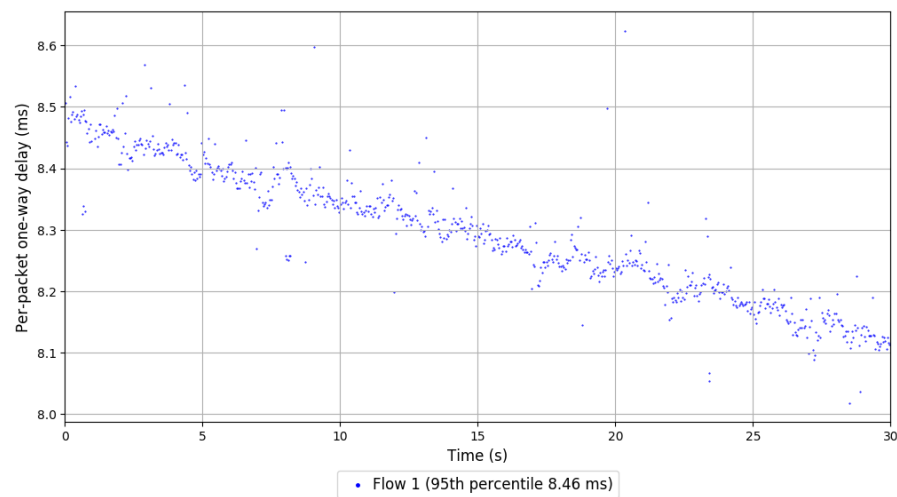
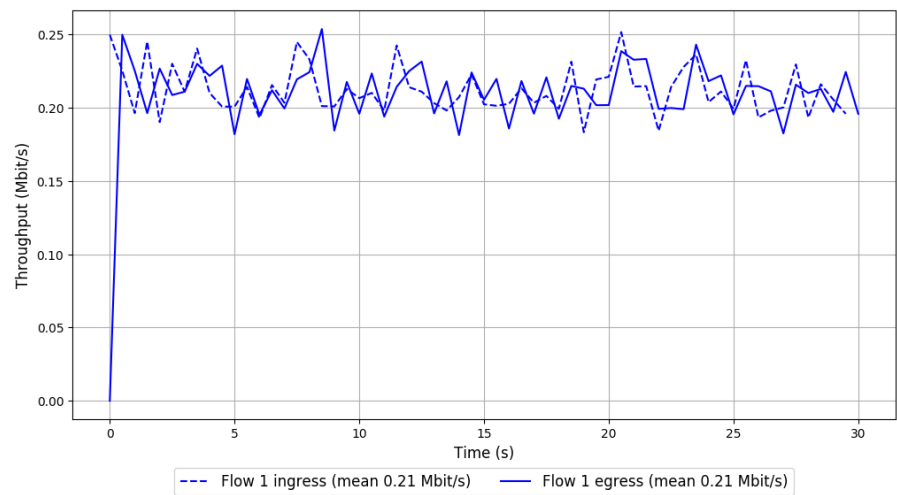


Run 1: Statistics of SCReAM

Start at: 2019-07-11 18:44:09
End at: 2019-07-11 18:44:39
Local clock offset: -11.096 ms
Remote clock offset: -1.165 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.463 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

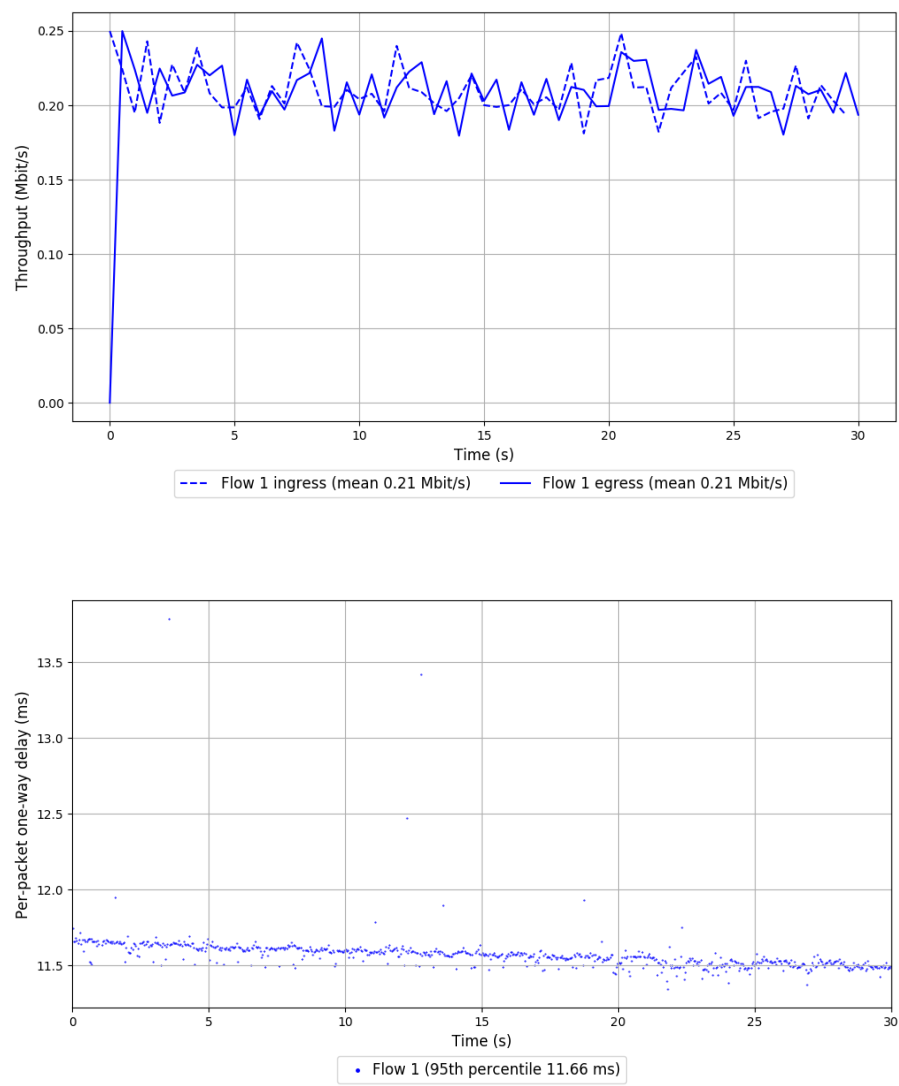


Run 2: Statistics of SCReAM

Start at: 2019-07-11 19:11:52
End at: 2019-07-11 19:12:22
Local clock offset: -11.446 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.659 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-07-11 19:39:30

End at: 2019-07-11 19:40:00

Local clock offset: -8.288 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2019-07-11 21:00:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.162 ms

Loss rate: 0.00%

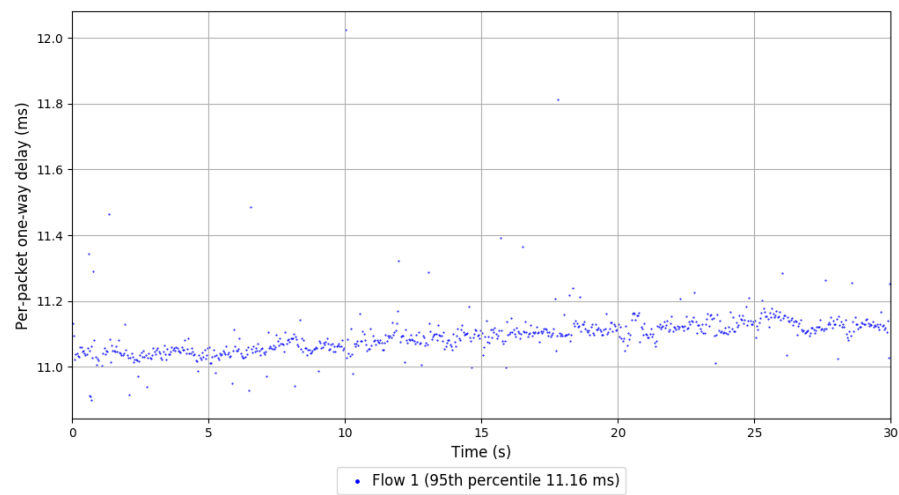
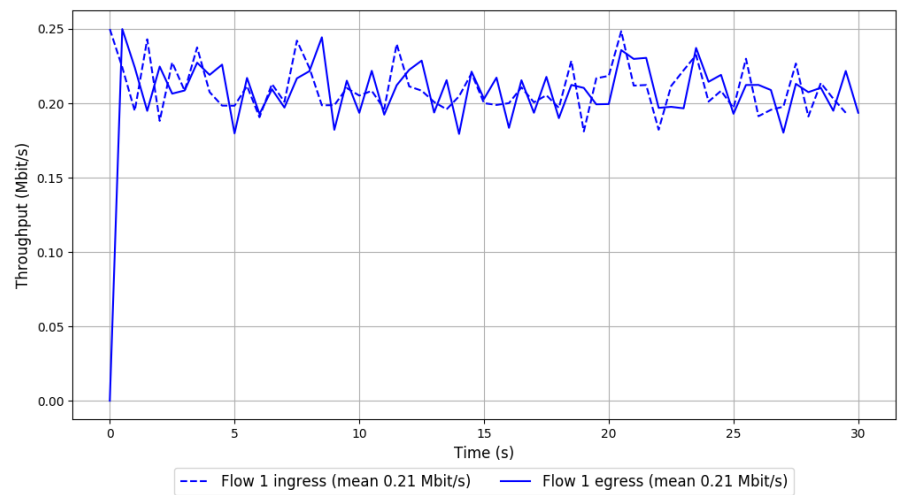
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.162 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

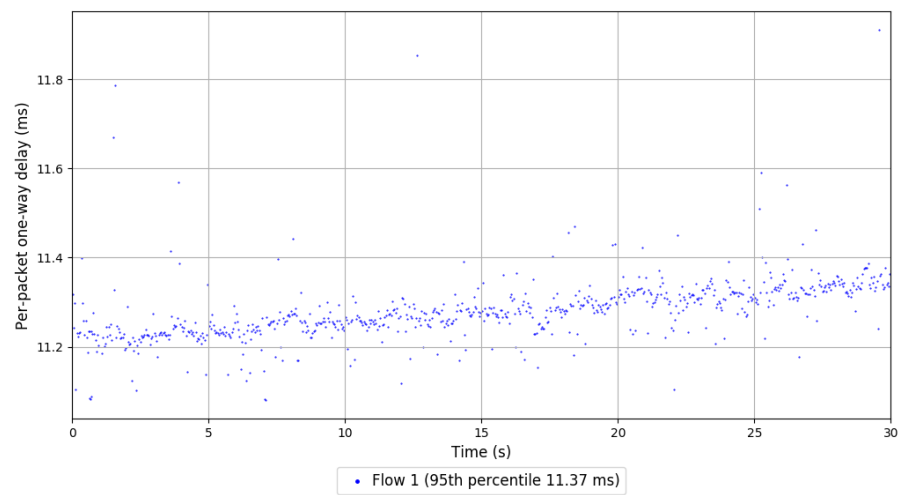
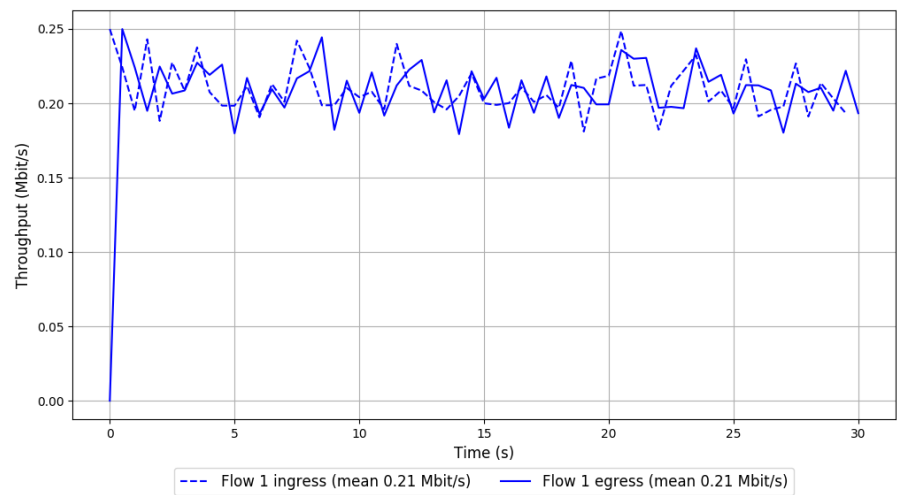


Run 4: Statistics of SCReAM

Start at: 2019-07-11 20:07:03
End at: 2019-07-11 20:07:33
Local clock offset: -4.302 ms
Remote clock offset: -0.608 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.366 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

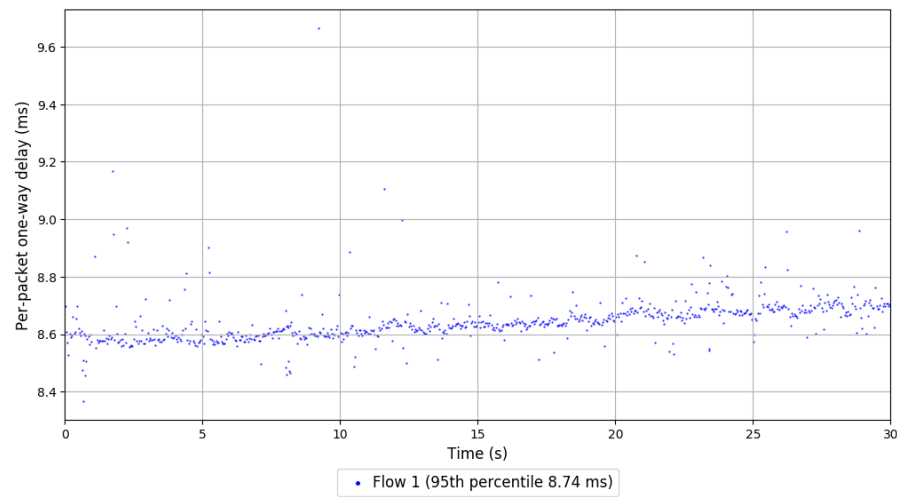
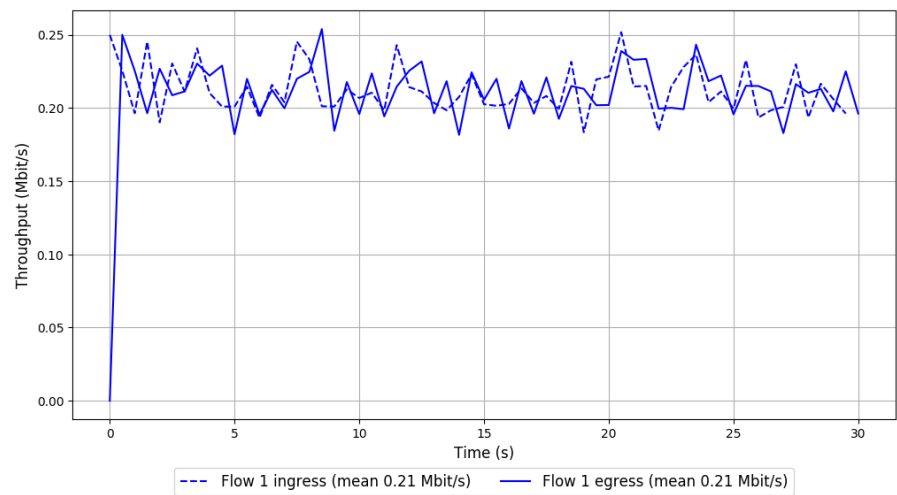


Run 5: Statistics of SCReAM

Start at: 2019-07-11 20:34:40
End at: 2019-07-11 20:35:10
Local clock offset: -0.856 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.739 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

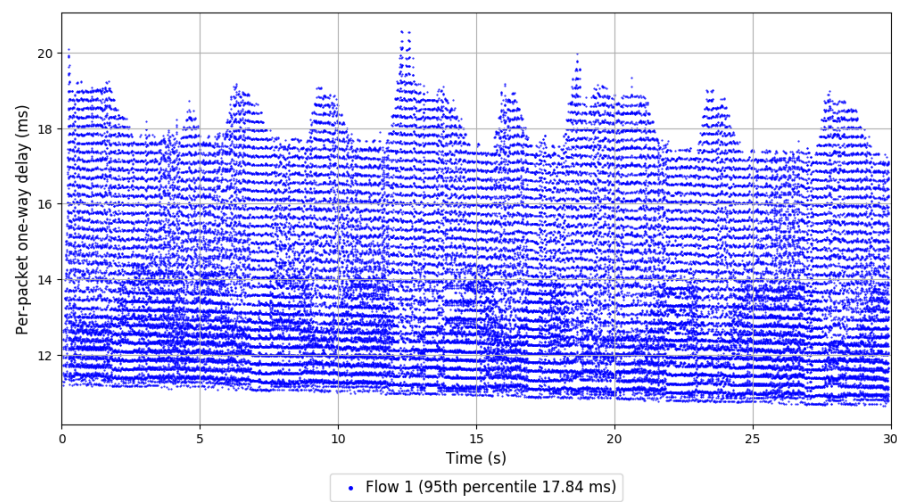
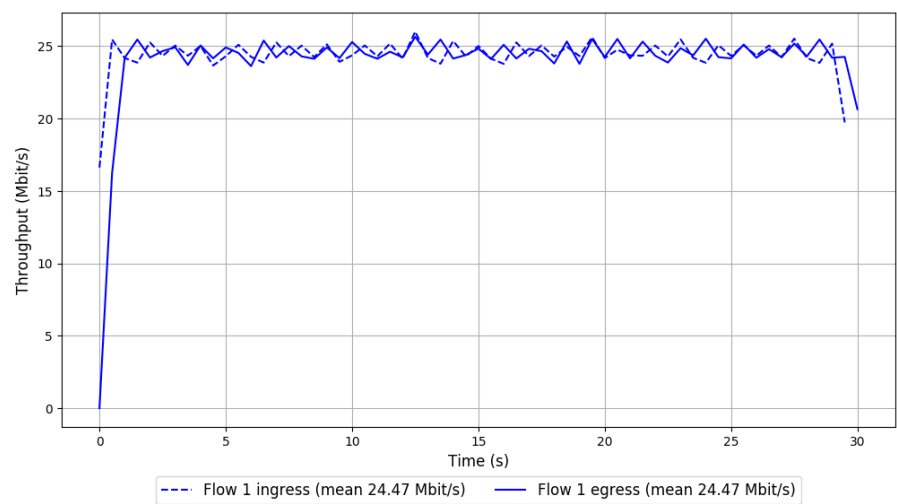


Run 1: Statistics of Sprout

Start at: 2019-07-11 18:36:13
End at: 2019-07-11 18:36:43
Local clock offset: -9.226 ms
Remote clock offset: -0.743 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 17.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 17.845 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

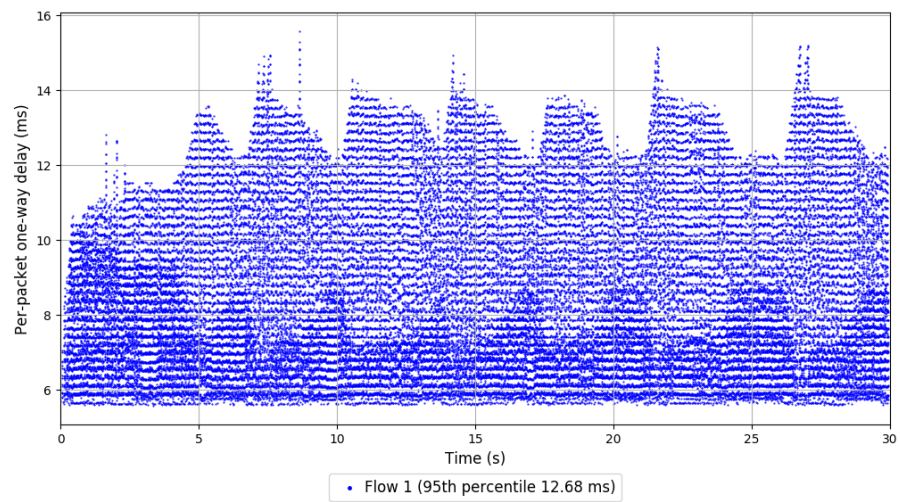
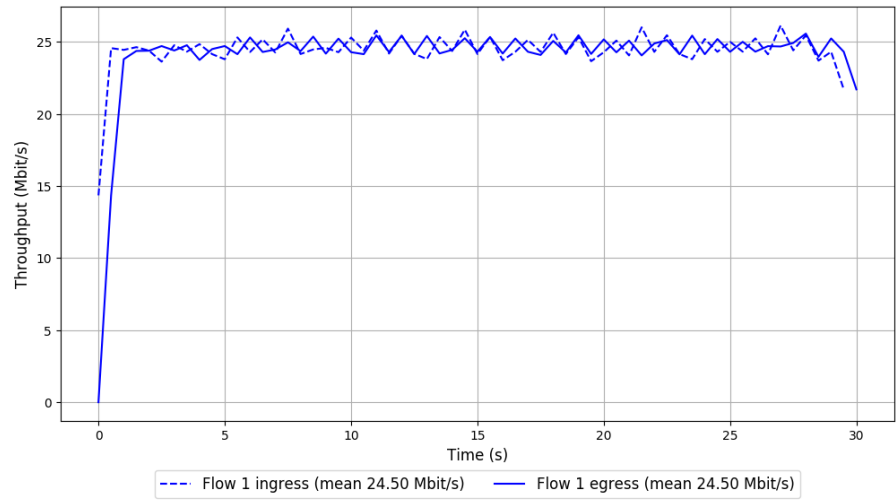


Run 2: Statistics of Sprout

Start at: 2019-07-11 19:03:59
End at: 2019-07-11 19:04:29
Local clock offset: -10.794 ms
Remote clock offset: -3.189 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 12.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 12.679 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

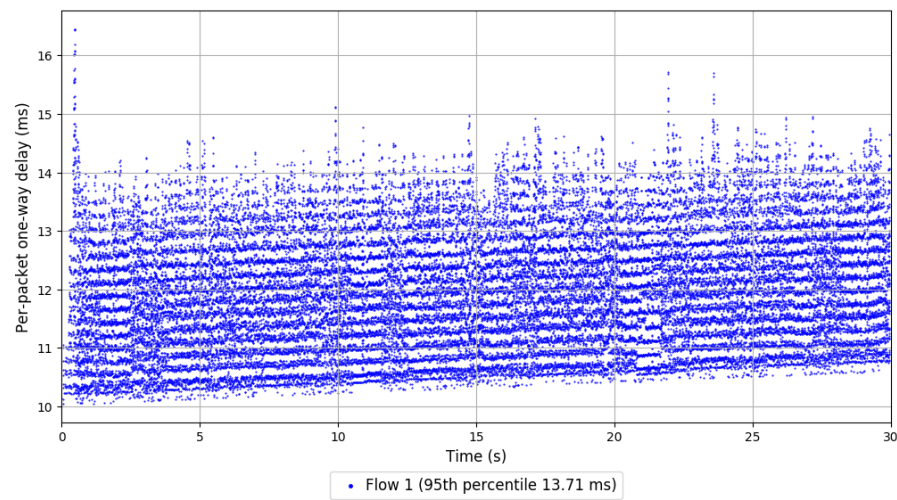
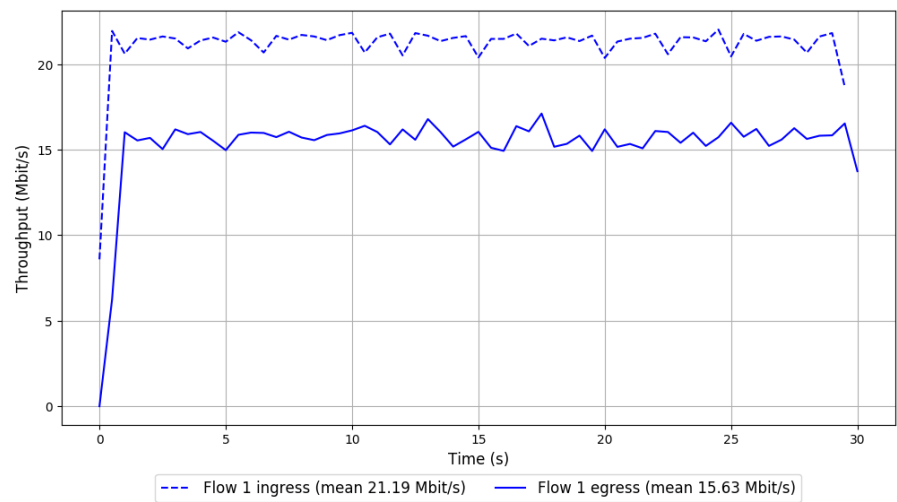


Run 3: Statistics of Sprout

Start at: 2019-07-11 19:31:36
End at: 2019-07-11 19:32:06
Local clock offset: -14.364 ms
Remote clock offset: -2.018 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 13.705 ms
Loss rate: 26.26%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 13.705 ms
Loss rate: 26.26%

Run 3: Report of Sprout — Data Link

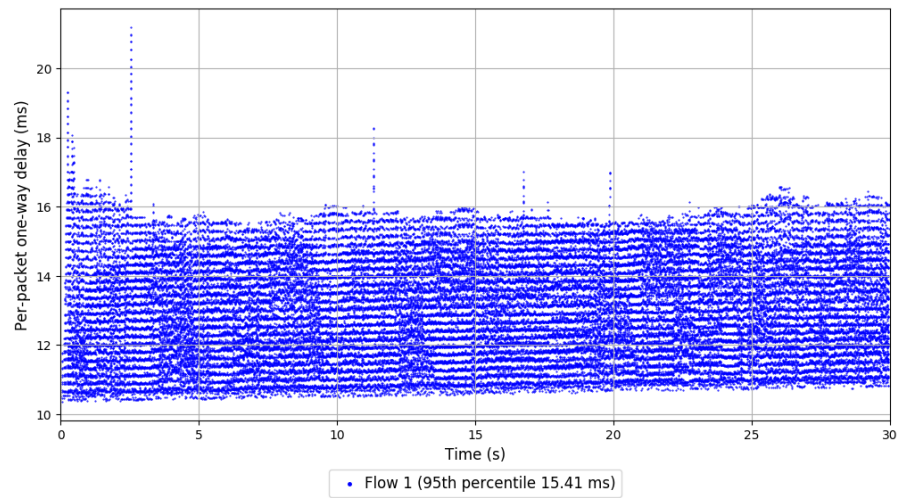
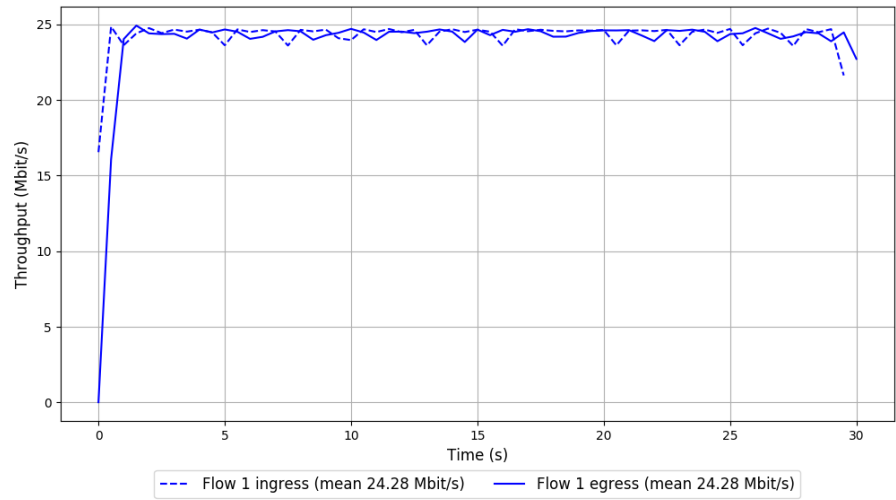


Run 4: Statistics of Sprout

Start at: 2019-07-11 19:59:08
End at: 2019-07-11 19:59:38
Local clock offset: -8.428 ms
Remote clock offset: -1.268 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 15.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 15.414 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

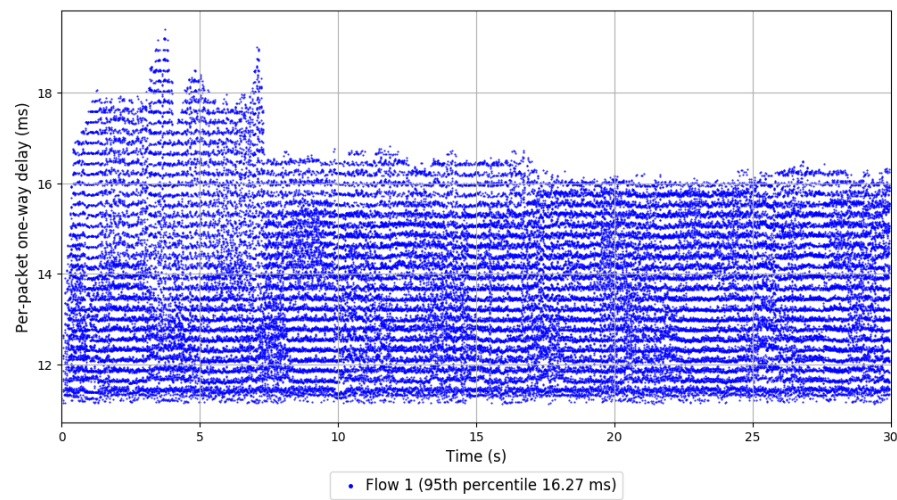
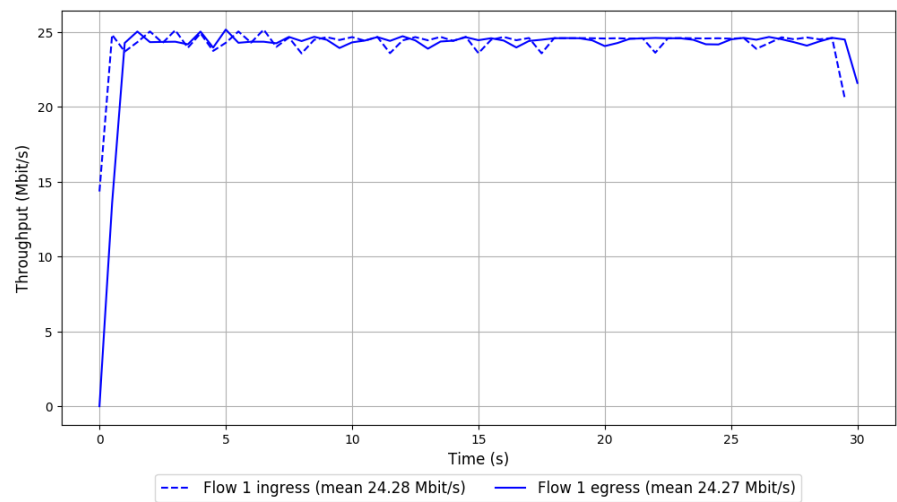


Run 5: Statistics of Sprout

Start at: 2019-07-11 20:26:44
End at: 2019-07-11 20:27:14
Local clock offset: -2.692 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 16.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 16.269 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

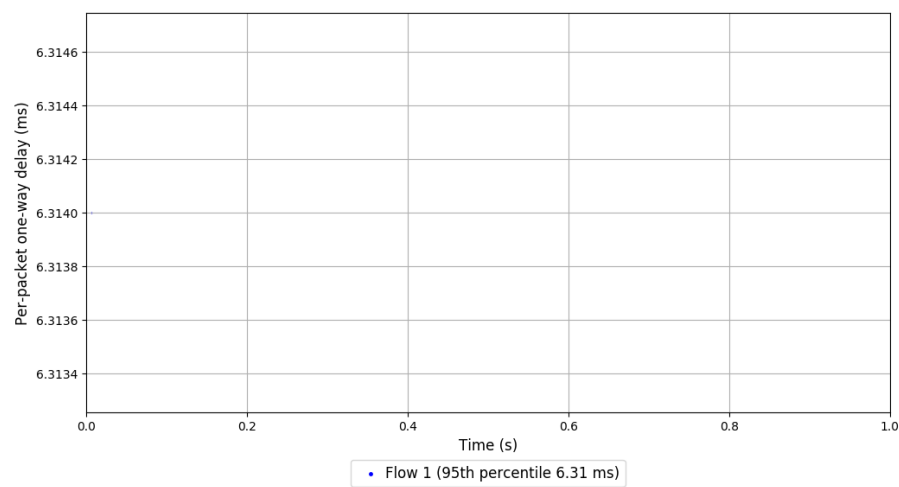
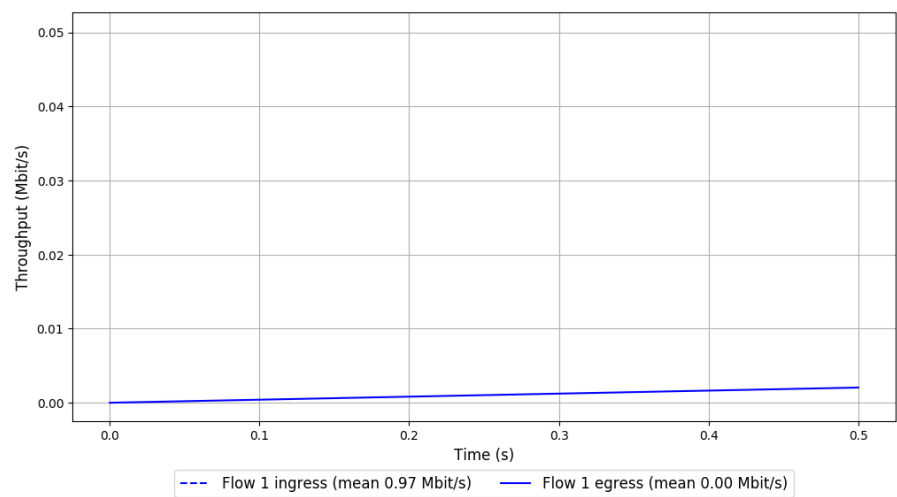
Start at: 2019-07-11 18:37:19

End at: 2019-07-11 18:37:49

Local clock offset: -10.82 ms

Remote clock offset: -3.031 ms

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

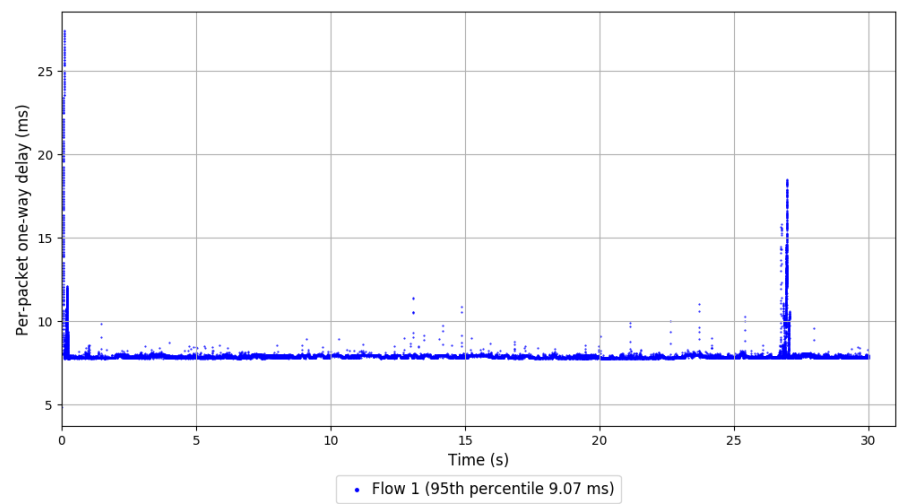
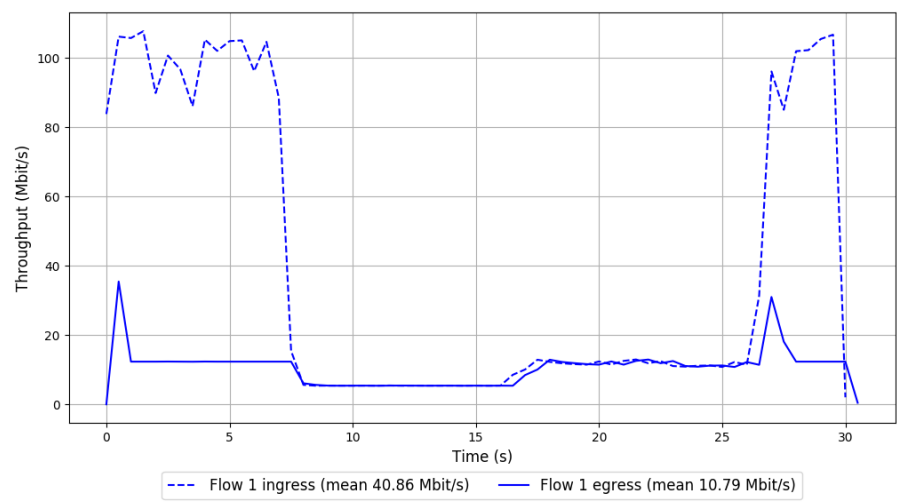


Run 2: Statistics of TaoVA-100x

Start at: 2019-07-11 19:05:05
End at: 2019-07-11 19:05:35
Local clock offset: -13.724 ms
Remote clock offset: -7.124 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 9.069 ms
Loss rate: 73.59%
-- Flow 1:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 9.069 ms
Loss rate: 73.59%

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

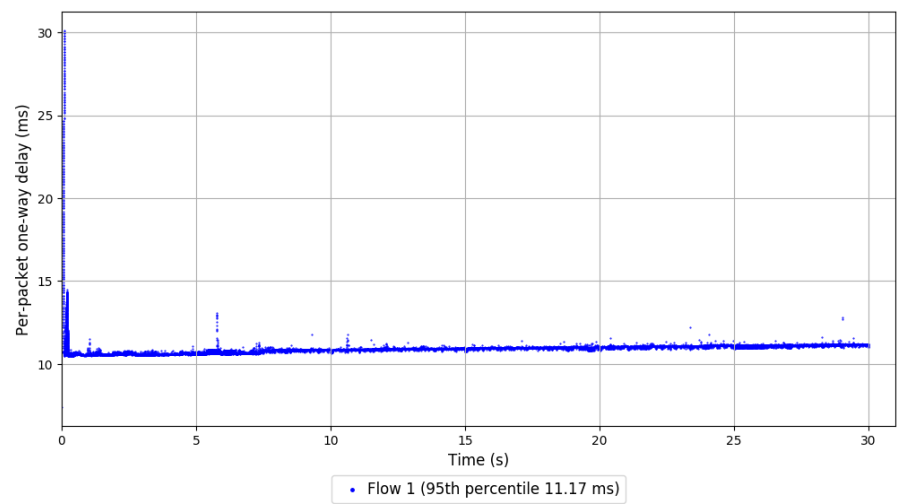
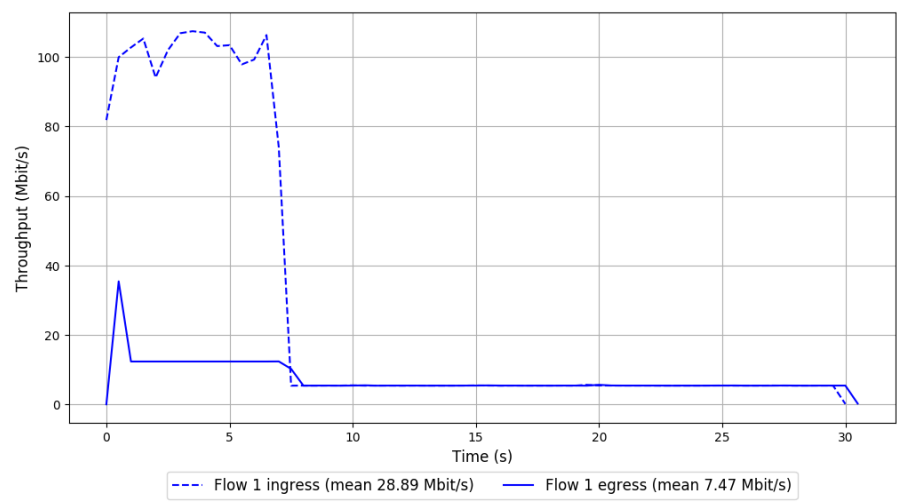


Run 3: Statistics of TaoVA-100x

Start at: 2019-07-11 19:32:42
End at: 2019-07-11 19:33:12
Local clock offset: -13.678 ms
Remote clock offset: -1.89 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 11.169 ms
Loss rate: 74.12%
-- Flow 1:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 11.169 ms
Loss rate: 74.12%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-11 20:00:15

End at: 2019-07-11 20:00:45

Local clock offset: -7.052 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-07-11 21:00:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 11.713 ms

Loss rate: 65.33%

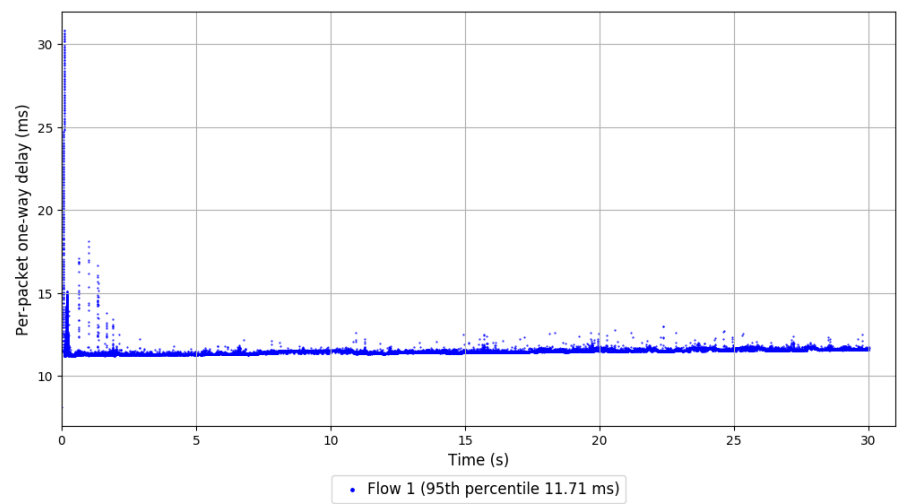
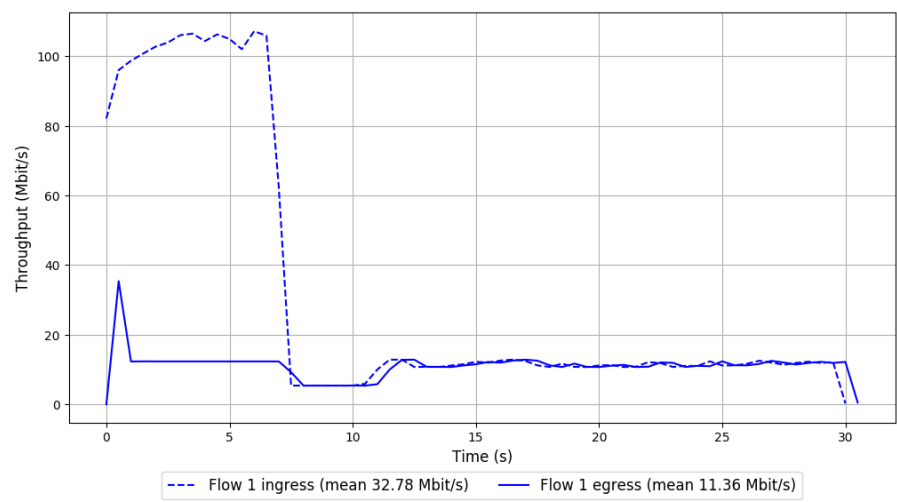
-- Flow 1:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 11.713 ms

Loss rate: 65.33%

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

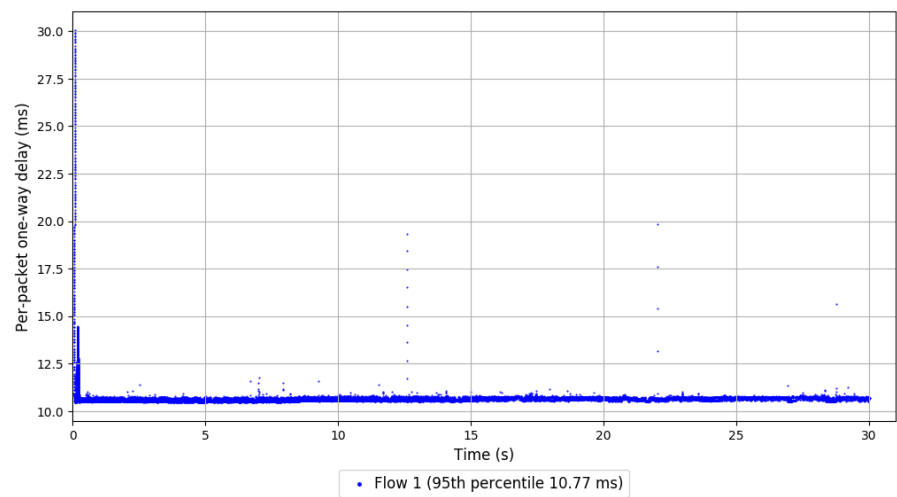
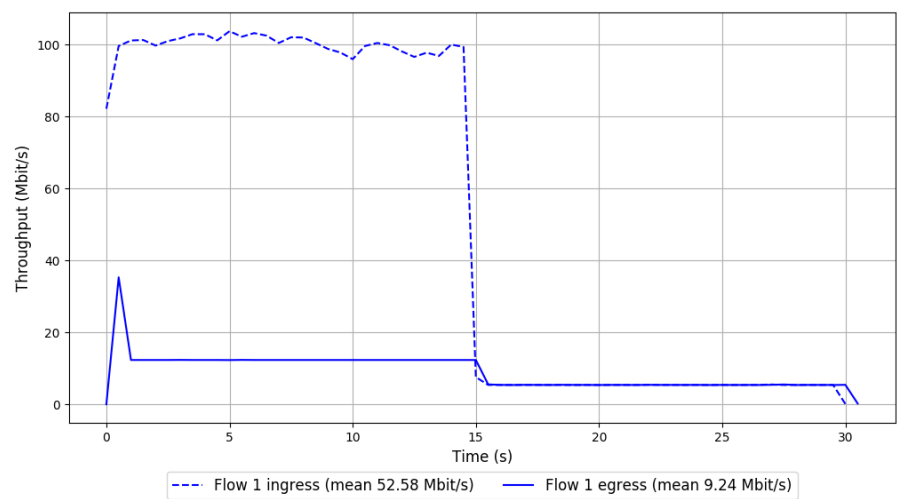


Run 5: Statistics of TaoVA-100x

Start at: 2019-07-11 20:27:50
End at: 2019-07-11 20:28:20
Local clock offset: -2.303 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2019-07-11 21:00:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 10.769 ms
Loss rate: 82.42%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 10.769 ms
Loss rate: 82.42%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-07-11 18:43:05

End at: 2019-07-11 18:43:35

Local clock offset: -9.909 ms

Remote clock offset: -2.339 ms

Run 1: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of TCP Vegas

Start at: 2019-07-11 19:10:47

End at: 2019-07-11 19:11:17

Local clock offset: -11.139 ms

Remote clock offset: -1.503 ms

Run 2: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of TCP Vegas

Start at: 2019-07-11 19:38:25

End at: 2019-07-11 19:38:55

Local clock offset: -9.316 ms

Remote clock offset: -1.01 ms

Run 3: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of TCP Vegas

Start at: 2019-07-11 20:05:58

End at: 2019-07-11 20:06:28

Local clock offset: -3.888 ms

Remote clock offset: -0.966 ms

Run 4: Report of TCP Vegas — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of TCP Vegas

Start at: 2019-07-11 20:33:35

End at: 2019-07-11 20:34:05

Local clock offset: -1.025 ms

Remote clock offset: -1.764 ms

Run 5: Report of TCP Vegas — Data Link

Figure is missing

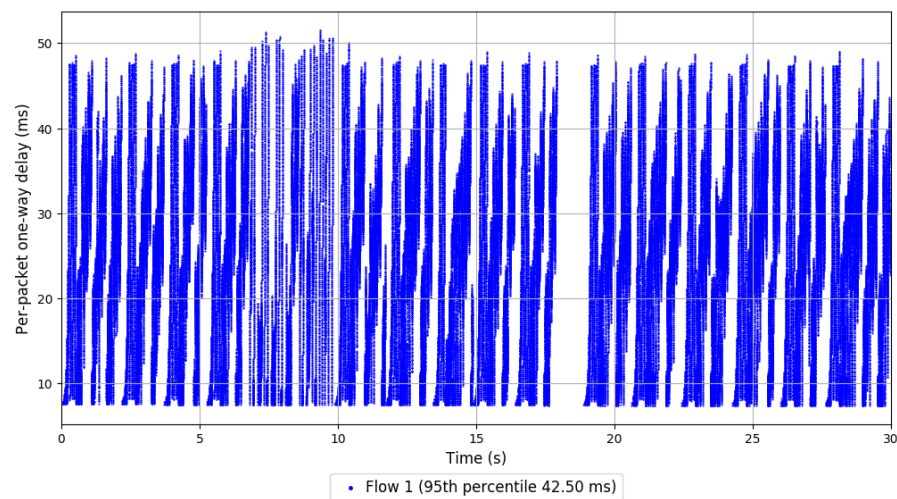
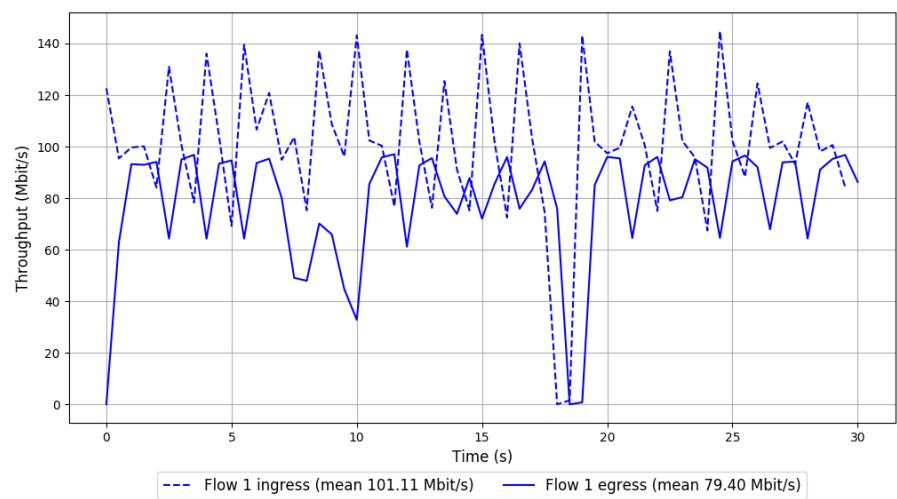
Figure is missing

Run 1: Statistics of Verus

Start at: 2019-07-11 18:53:32
End at: 2019-07-11 18:54:02
Local clock offset: -9.894 ms
Remote clock offset: -1.176 ms

Below is generated by plot.py at 2019-07-11 21:01:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 42.501 ms
Loss rate: 21.42%
-- Flow 1:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 42.501 ms
Loss rate: 21.42%

Run 1: Report of Verus — Data Link

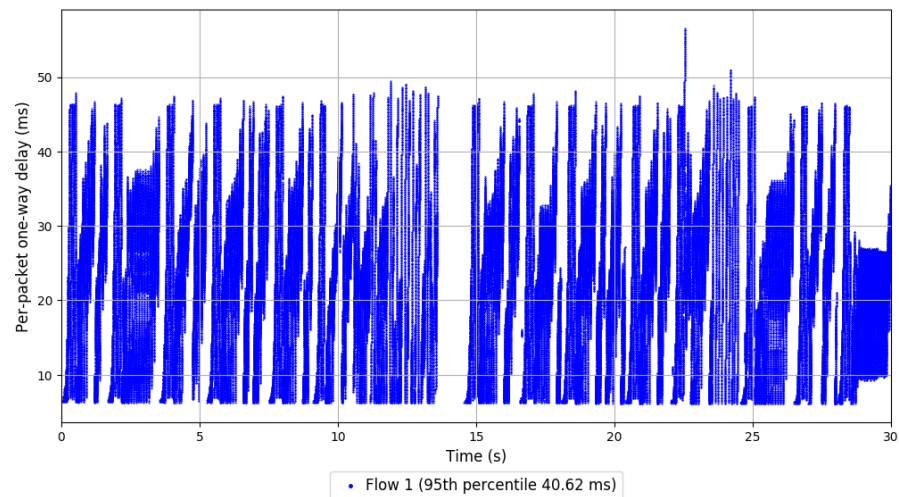
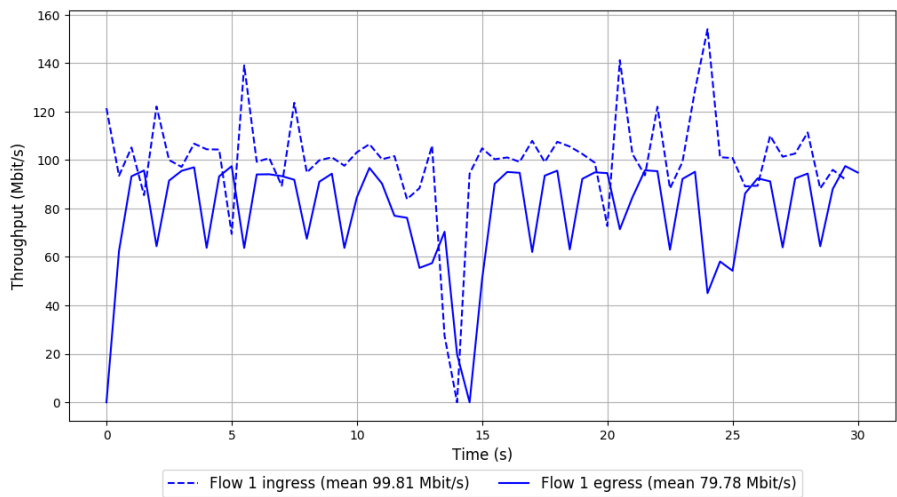


Run 2: Statistics of Verus

Start at: 2019-07-11 19:21:17
End at: 2019-07-11 19:21:47
Local clock offset: -14.611 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2019-07-11 21:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 40.618 ms
Loss rate: 19.99%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 40.618 ms
Loss rate: 19.99%

Run 2: Report of Verus — Data Link

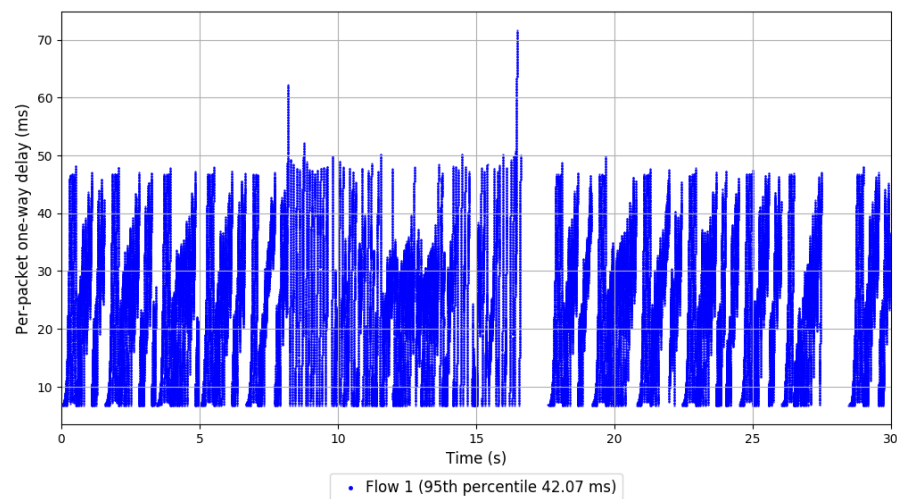
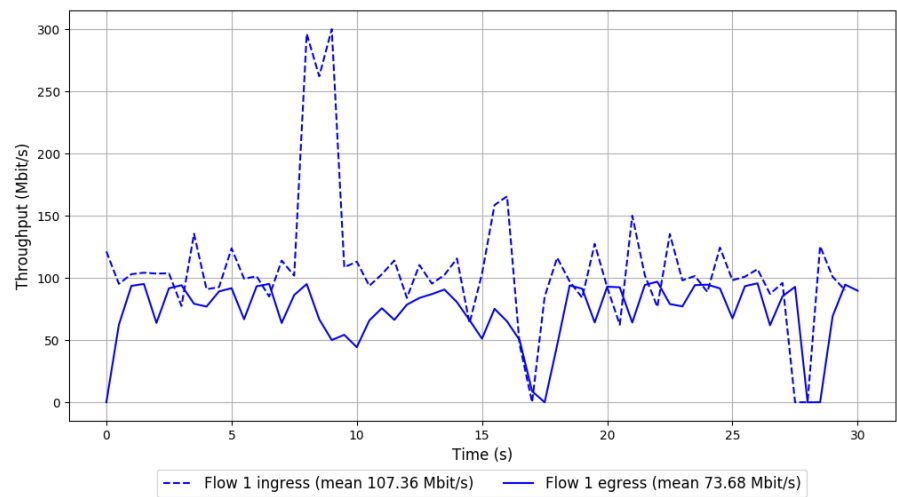


Run 3: Statistics of Verus

Start at: 2019-07-11 19:48:46
End at: 2019-07-11 19:49:16
Local clock offset: -7.388 ms
Remote clock offset: -1.614 ms

Below is generated by plot.py at 2019-07-11 21:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.68 Mbit/s
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 31.31%
-- Flow 1:
Average throughput: 73.68 Mbit/s
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 31.31%

Run 3: Report of Verus — Data Link

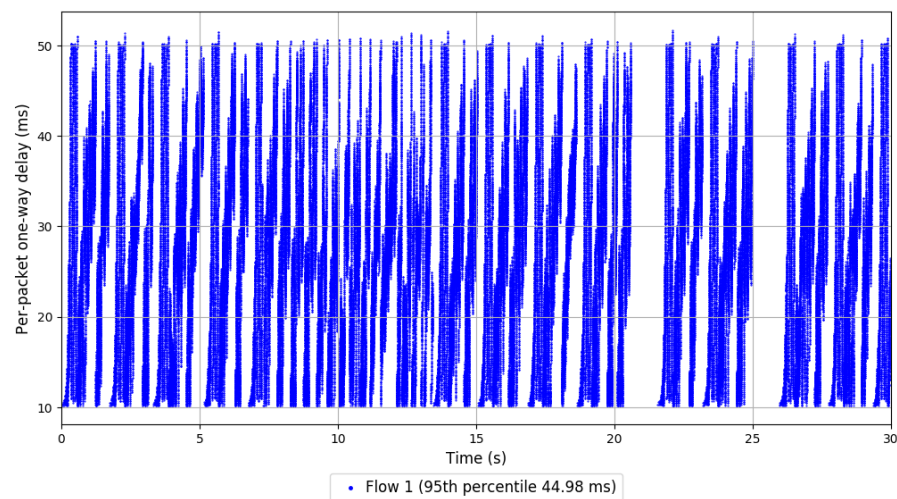
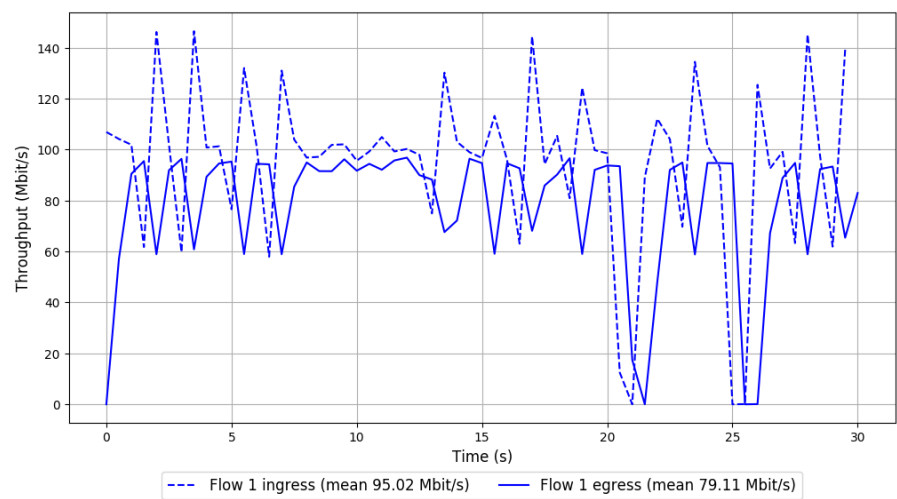


Run 4: Statistics of Verus

Start at: 2019-07-11 20:16:16
End at: 2019-07-11 20:16:46
Local clock offset: -2.349 ms
Remote clock offset: -0.791 ms

Below is generated by plot.py at 2019-07-11 21:01:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 44.981 ms
Loss rate: 16.74%
-- Flow 1:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 44.981 ms
Loss rate: 16.74%

Run 4: Report of Verus — Data Link

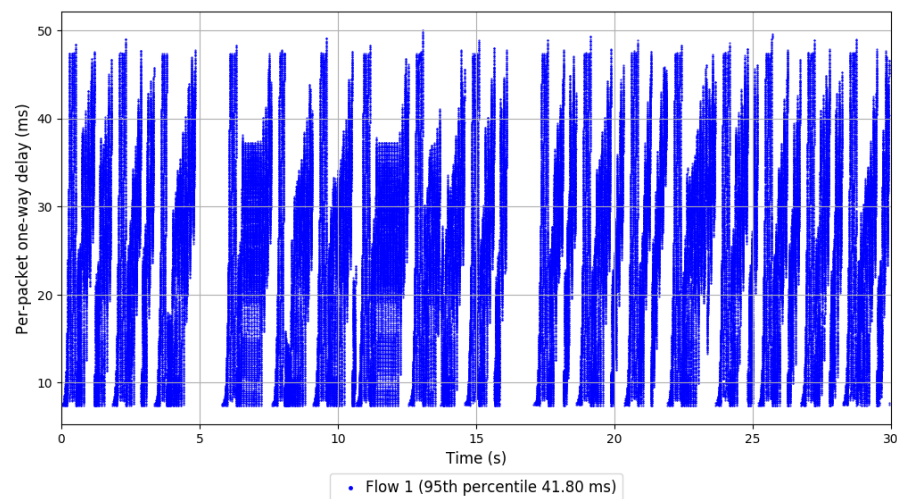
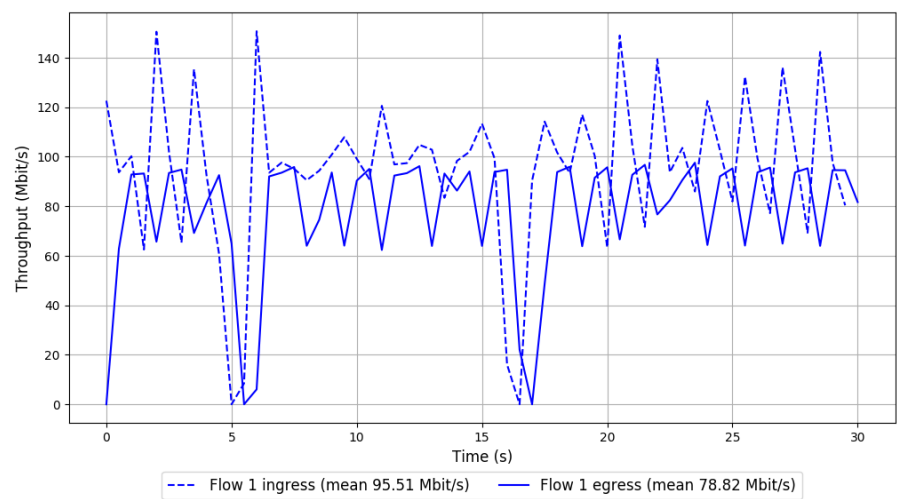


Run 5: Statistics of Verus

Start at: 2019-07-11 20:44:15
End at: 2019-07-11 20:44:45
Local clock offset: 0.334 ms
Remote clock offset: -1.902 ms

Below is generated by plot.py at 2019-07-11 21:01:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 41.796 ms
Loss rate: 17.47%
-- Flow 1:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 41.796 ms
Loss rate: 17.47%

Run 5: Report of Verus — Data Link

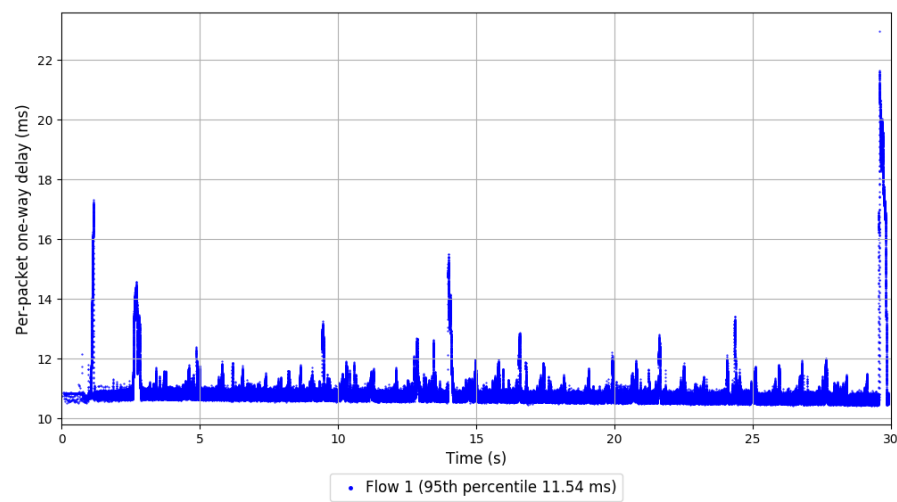
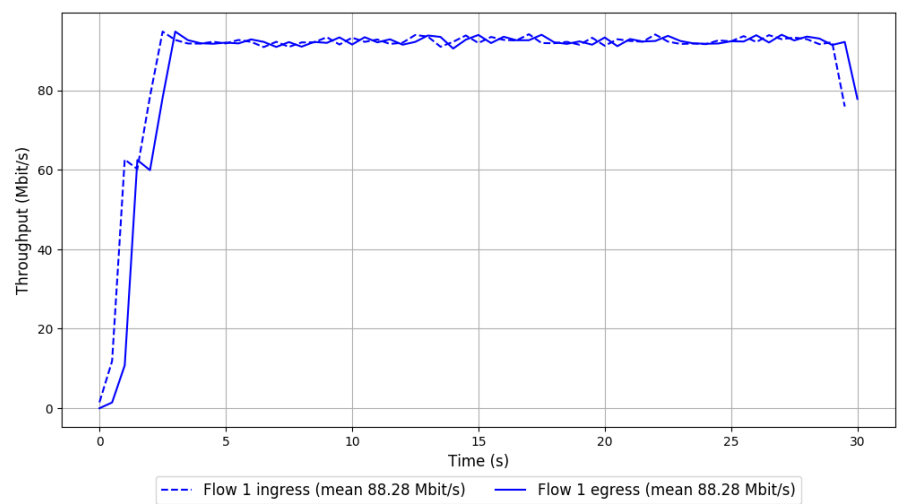


Run 1: Statistics of PCC-Vivace

Start at: 2019-07-11 18:55:48
End at: 2019-07-11 18:56:18
Local clock offset: -10.352 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2019-07-11 21:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 11.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 11.542 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

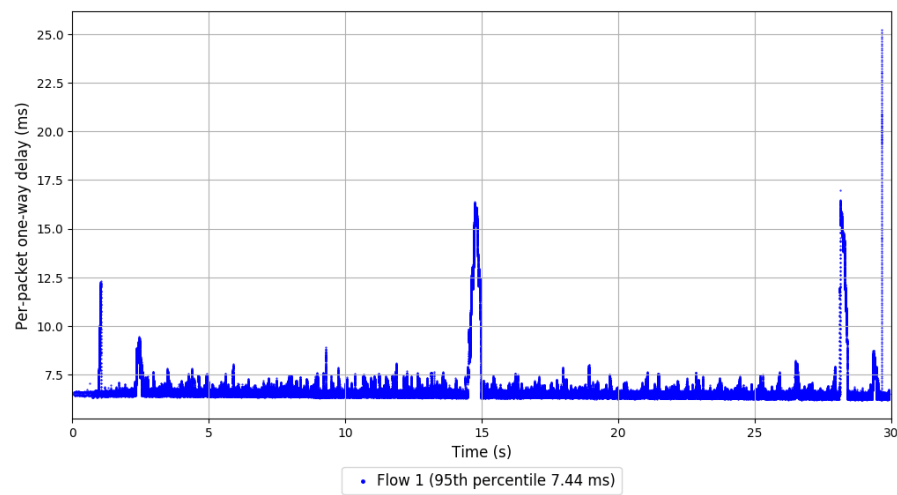
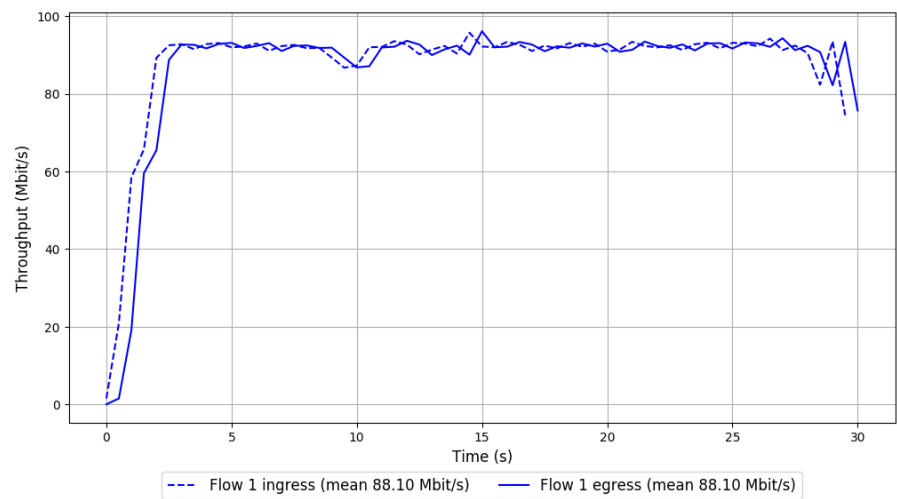


Run 2: Statistics of PCC-Vivace

Start at: 2019-07-11 19:23:33
End at: 2019-07-11 19:24:03
Local clock offset: -16.192 ms
Remote clock offset: -2.385 ms

Below is generated by plot.py at 2019-07-11 21:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 7.437 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 7.437 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-11 19:51:03

End at: 2019-07-11 19:51:33

Local clock offset: -7.529 ms

Remote clock offset: 0.526 ms

Below is generated by plot.py at 2019-07-11 21:01:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 9.707 ms

Loss rate: 0.00%

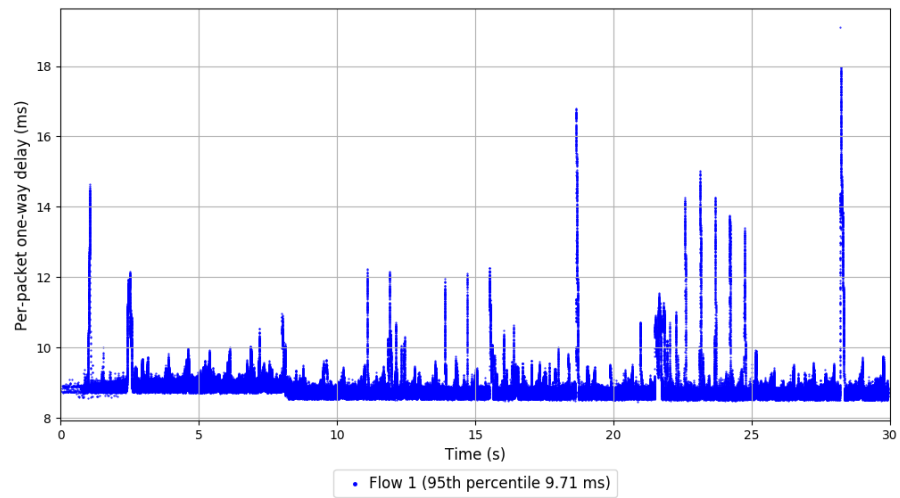
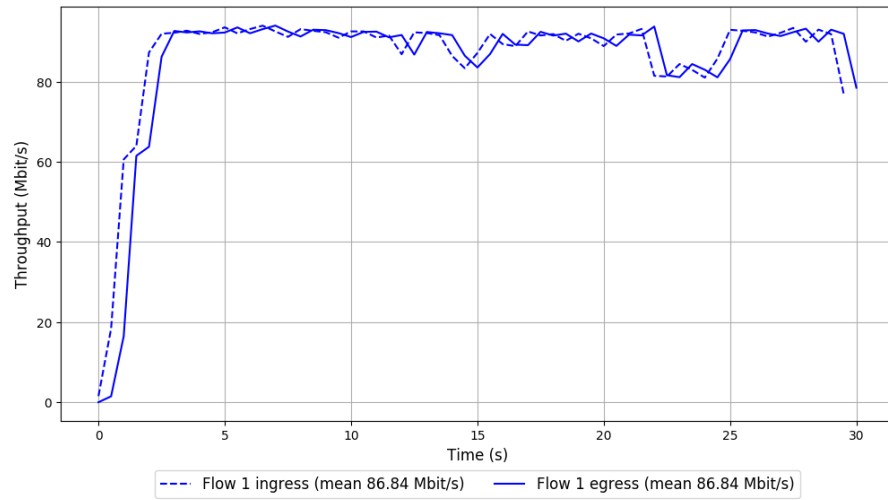
-- Flow 1:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 9.707 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

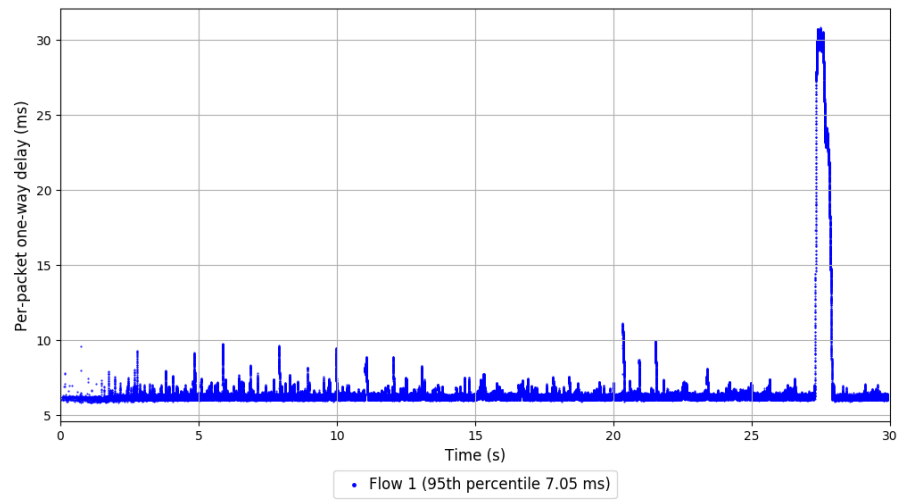
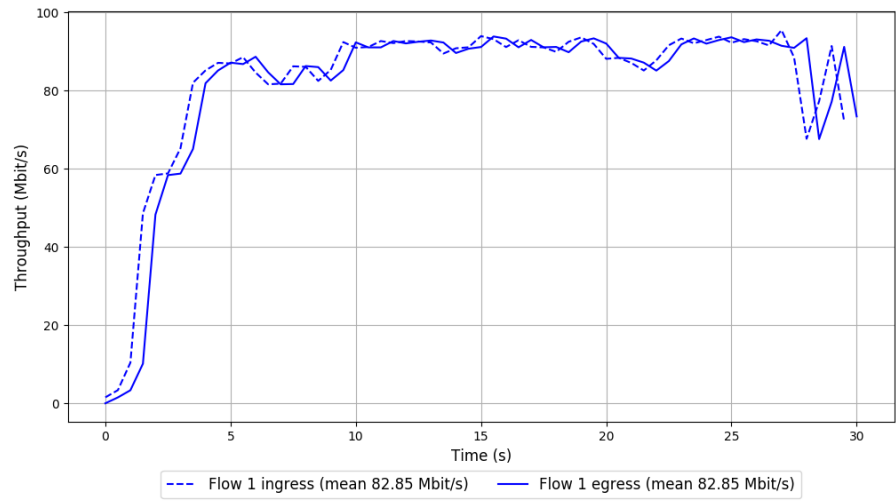


Run 4: Statistics of PCC-Vivace

Start at: 2019-07-11 20:18:33
End at: 2019-07-11 20:19:03
Local clock offset: -2.752 ms
Remote clock offset: -2.328 ms

Below is generated by plot.py at 2019-07-11 21:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 7.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 7.050 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-11 20:46:34

End at: 2019-07-11 20:47:04

Local clock offset: 1.153 ms

Remote clock offset: -2.995 ms

Below is generated by plot.py at 2019-07-11 21:01:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 6.342 ms

Loss rate: 0.00%

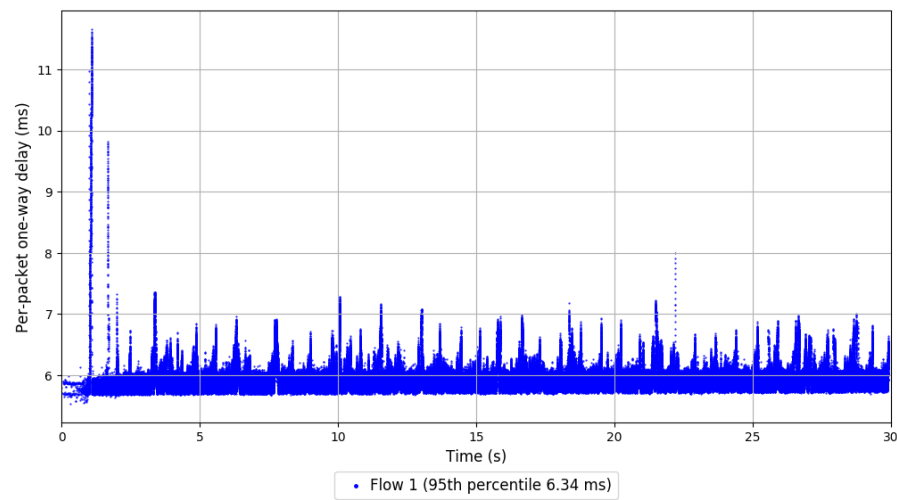
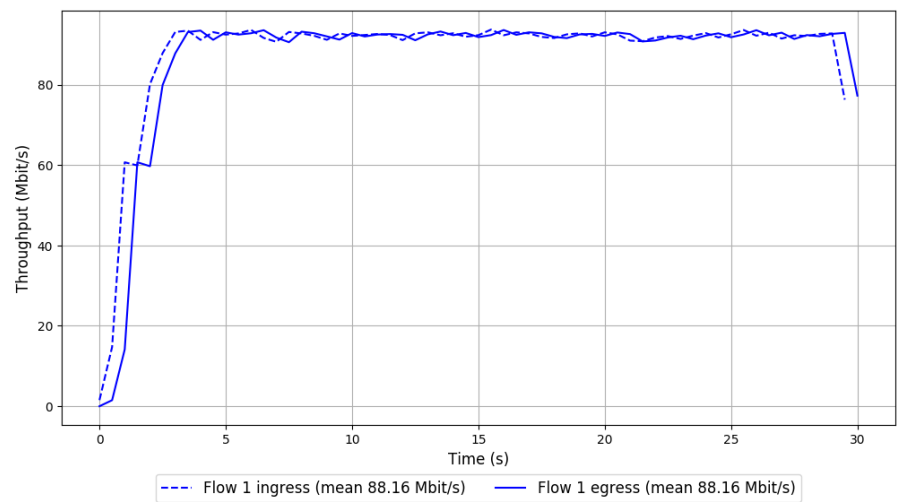
-- Flow 1:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 6.342 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

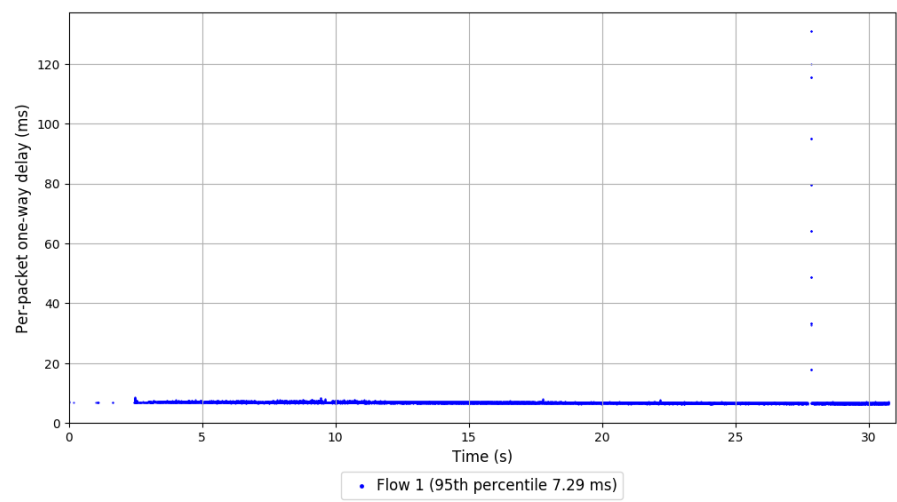
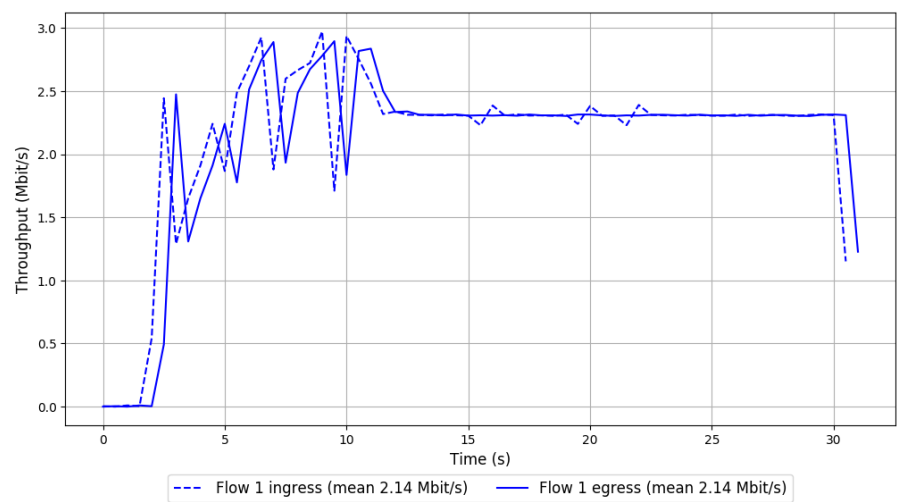


Run 1: Statistics of WebRTC media

Start at: 2019-07-11 18:33:58
End at: 2019-07-11 18:34:28
Local clock offset: -6.91 ms
Remote clock offset: -2.034 ms

Below is generated by plot.py at 2019-07-11 21:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

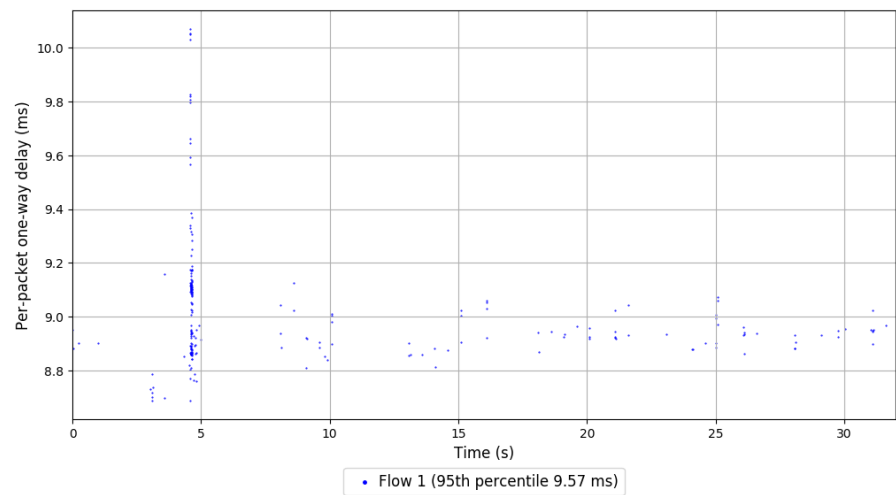
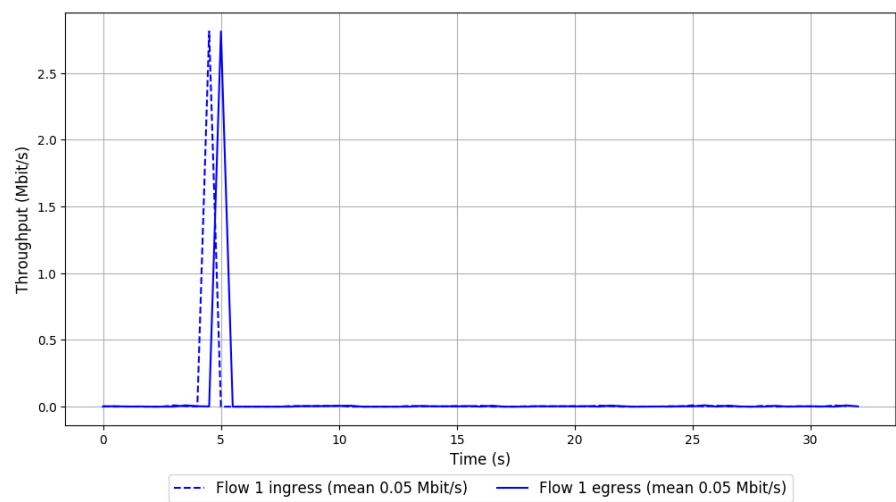


Run 2: Statistics of WebRTC media

Start at: 2019-07-11 19:01:42
End at: 2019-07-11 19:02:12
Local clock offset: -11.413 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2019-07-11 21:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.566 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

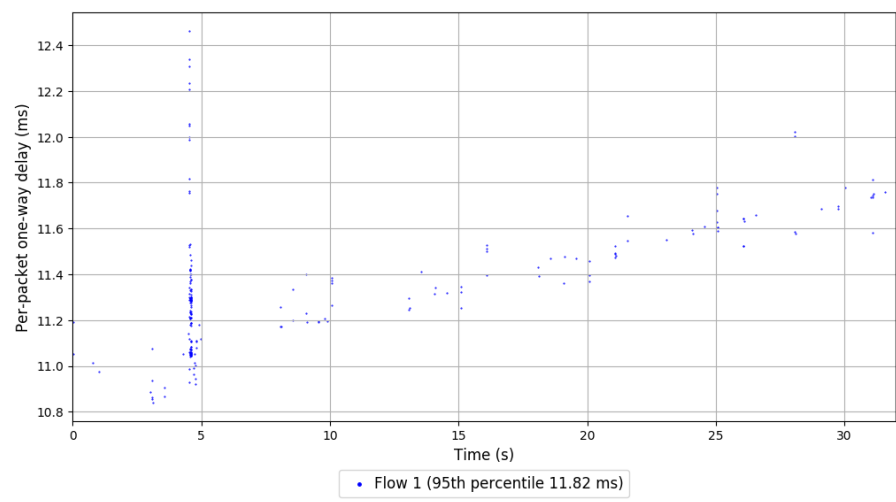
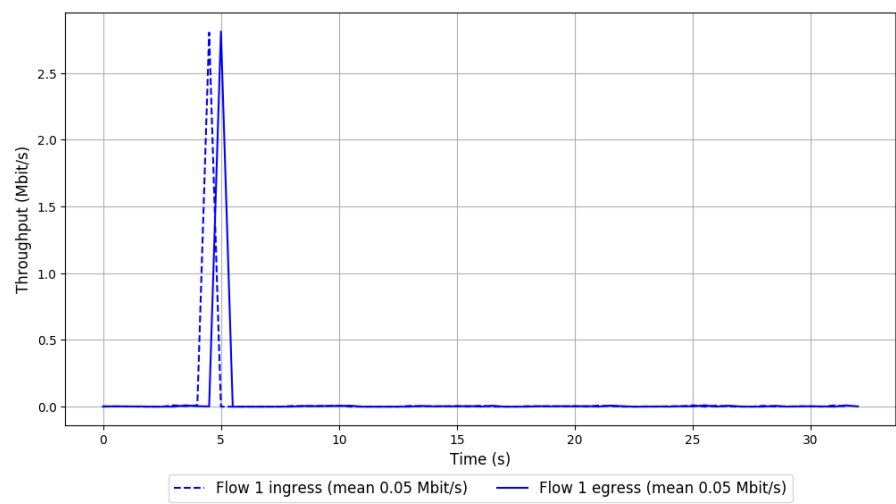


Run 3: Statistics of WebRTC media

Start at: 2019-07-11 19:29:18
End at: 2019-07-11 19:29:48
Local clock offset: -17.816 ms
Remote clock offset: -1.071 ms

Below is generated by plot.py at 2019-07-11 21:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.817 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-11 19:56:48

End at: 2019-07-11 19:57:18

Local clock offset: -7.62 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2019-07-11 21:01:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7.126 ms

Loss rate: 0.00%

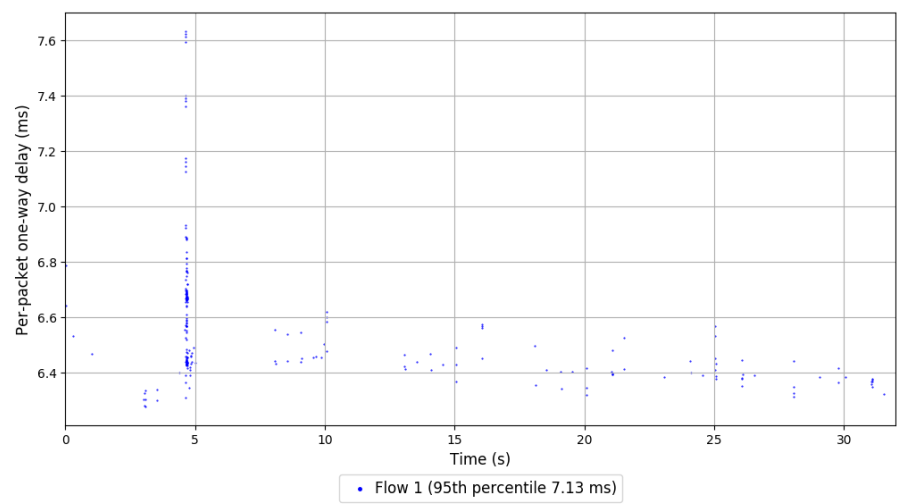
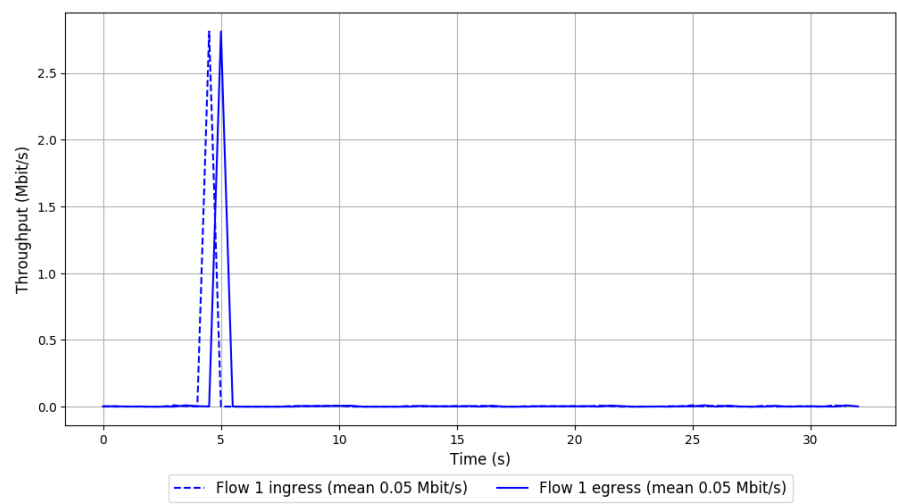
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7.126 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-11 20:24:25
End at: 2019-07-11 20:24:55
Local clock offset: -2.6 ms
Remote clock offset: -2.226 ms

Below is generated by plot.py at 2019-07-11 21:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.492 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

