

Pantheon Report

Generated at 2019-08-26 21:09:42 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

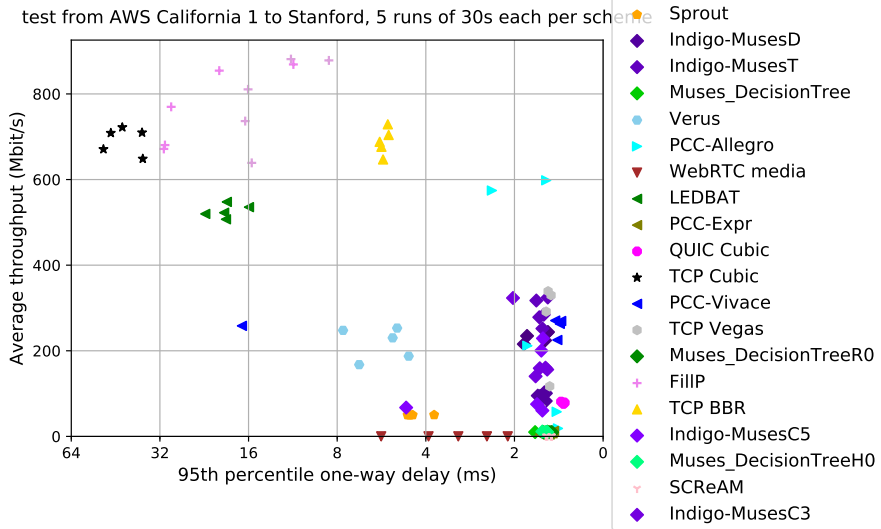
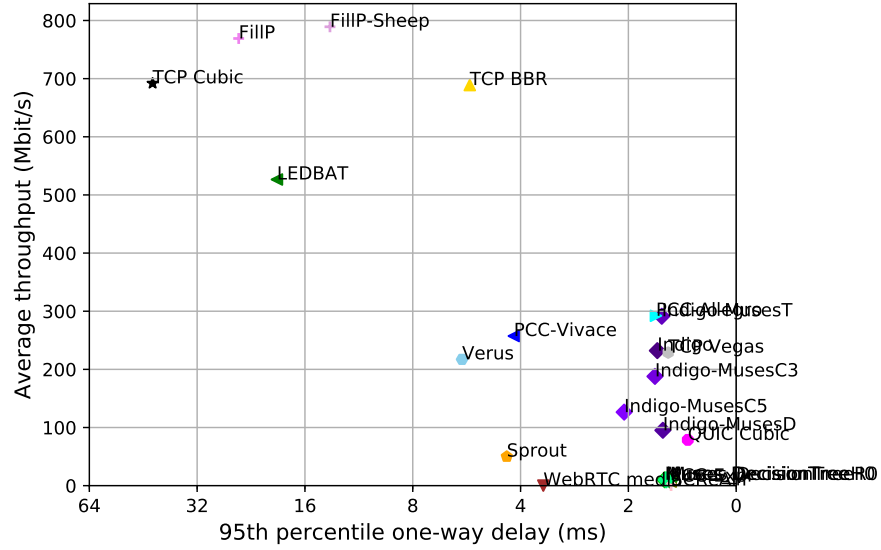
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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 AWS California 1 to Stanford, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	688.97	5.54	0.02
Copa	0	N/A	N/A	N/A
TCP Cubic	5	691.96	42.61	0.07
FillP	5	769.05	24.50	4.15
FillP-Sheep	5	789.16	13.62	2.50
Indigo	5	232.20	1.46	0.00
Indigo-MusesC3	5	187.90	1.51	0.01
Indigo-MusesC5	5	126.46	2.06	0.00
Indigo-MusesD	5	95.21	1.36	0.00
Indigo-MusesT	5	291.30	1.38	0.01
LEDBAT	5	526.55	19.16	0.05
Muses_DecisionTree	5	10.07	1.33	0.00
Muses_DecisionTreeH0	5	10.03	1.30	0.00
Muses_DecisionTreeR0	5	9.78	1.23	0.00
PCC-Allegro	5	292.09	1.49	0.03
PCC-Expr	5	6.99	1.21	17.25
QUIC Cubic	5	78.73	0.90	0.00
SCReAM	5	0.22	1.21	0.00
Sprout	5	50.03	4.37	0.08
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	228.83	1.26	0.00
Verus	5	217.21	5.83	0.12
PCC-Vivace	5	257.32	4.18	0.00
WebRTC media	5	0.05	3.46	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 17:52:47

End at: 2019-08-26 17:53:17

Local clock offset: -0.6 ms

Remote clock offset: 2.568 ms

Below is generated by plot.py at 2019-08-26 20:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 704.17 Mbit/s

95th percentile per-packet one-way delay: 5.350 ms

Loss rate: 0.04%

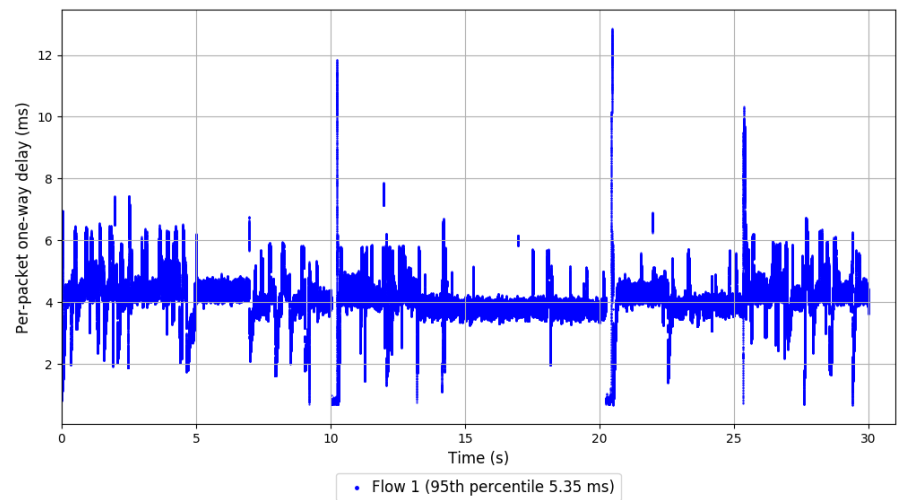
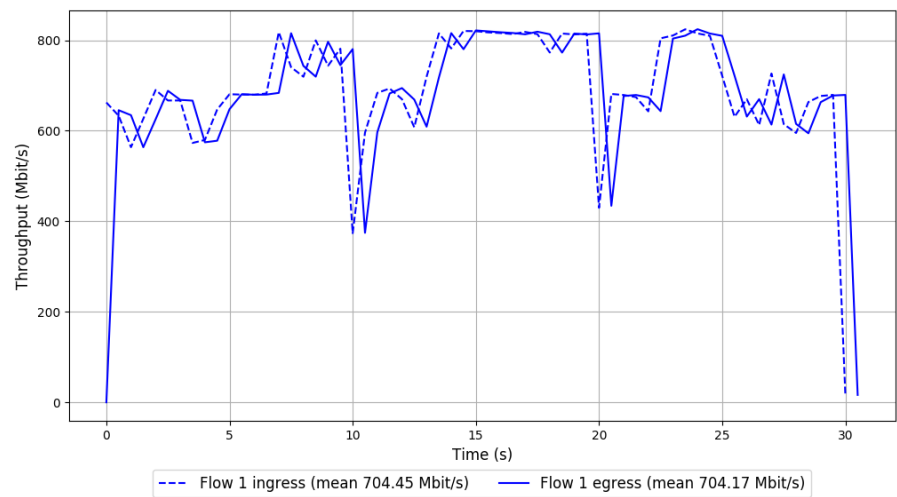
-- Flow 1:

Average throughput: 704.17 Mbit/s

95th percentile per-packet one-way delay: 5.350 ms

Loss rate: 0.04%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-26 18:25:12

End at: 2019-08-26 18:25:42

Local clock offset: 0.059 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2019-08-26 20:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.14 Mbit/s

95th percentile per-packet one-way delay: 5.739 ms

Loss rate: 0.01%

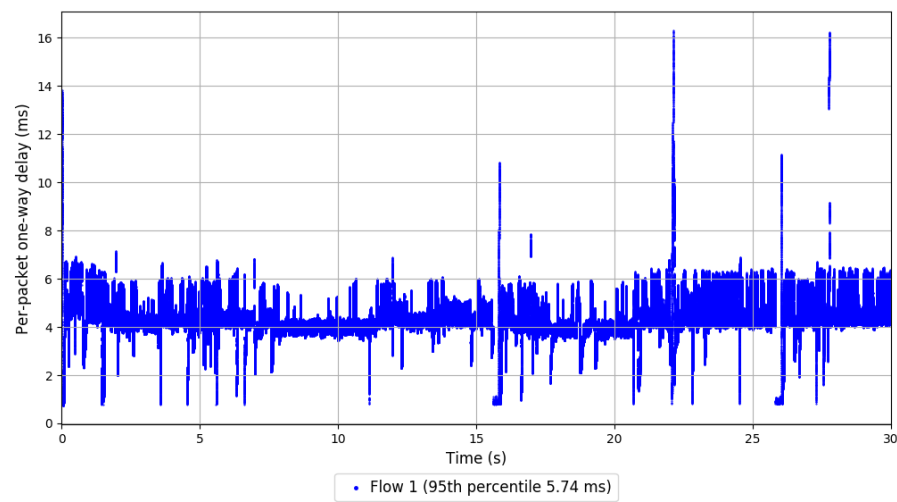
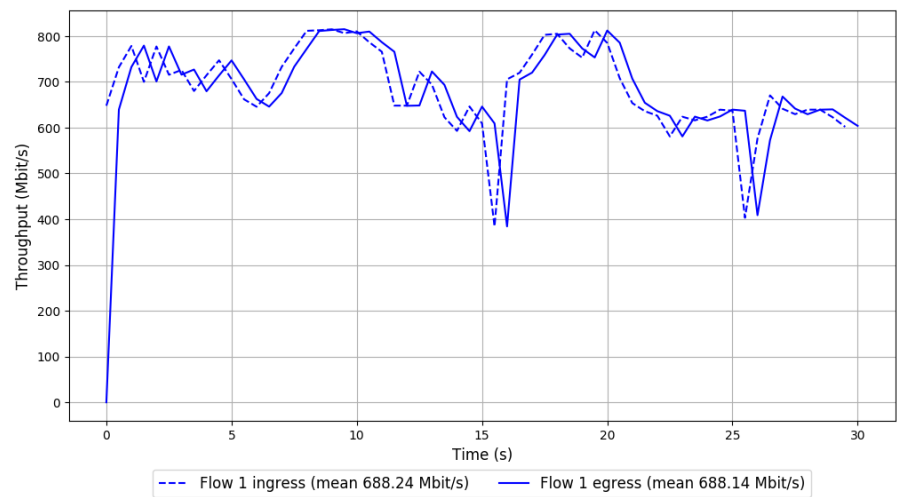
-- Flow 1:

Average throughput: 688.14 Mbit/s

95th percentile per-packet one-way delay: 5.739 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-26 18:57:42

End at: 2019-08-26 18:58:12

Local clock offset: -1.12 ms

Remote clock offset: 1.341 ms

Below is generated by plot.py at 2019-08-26 20:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.00 Mbit/s

95th percentile per-packet one-way delay: 5.588 ms

Loss rate: 0.01%

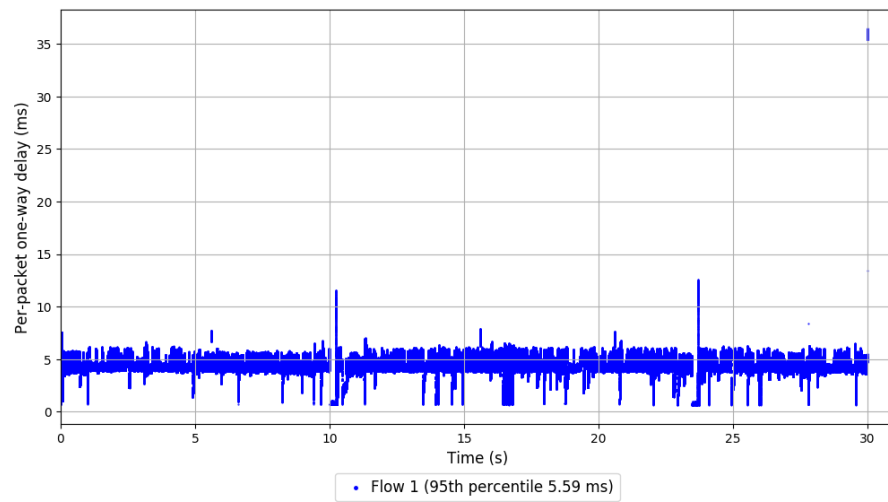
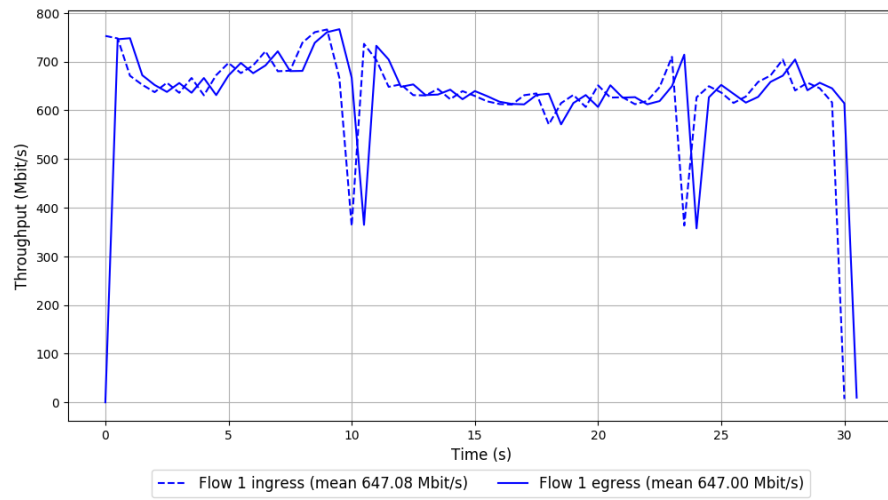
-- Flow 1:

Average throughput: 647.00 Mbit/s

95th percentile per-packet one-way delay: 5.588 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-26 19:29:45

End at: 2019-08-26 19:30:15

Local clock offset: -1.301 ms

Remote clock offset: 1.894 ms

Below is generated by plot.py at 2019-08-26 20:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 676.52 Mbit/s

95th percentile per-packet one-way delay: 5.660 ms

Loss rate: 0.03%

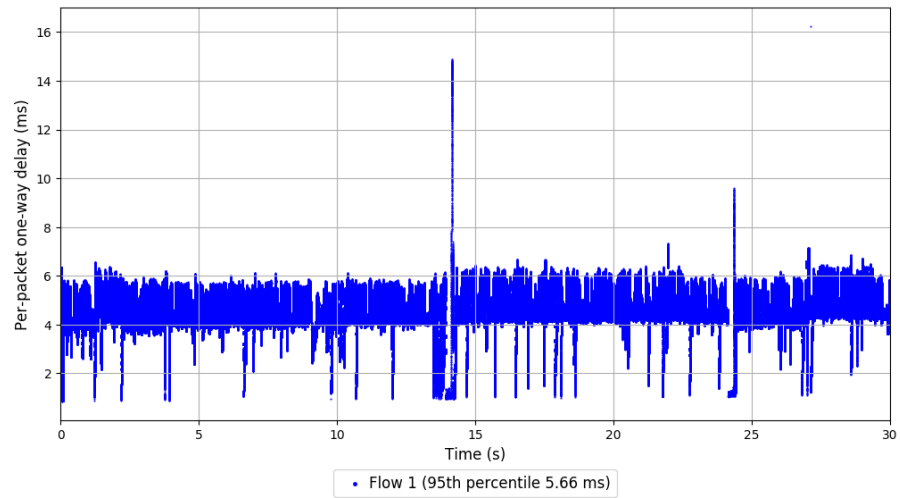
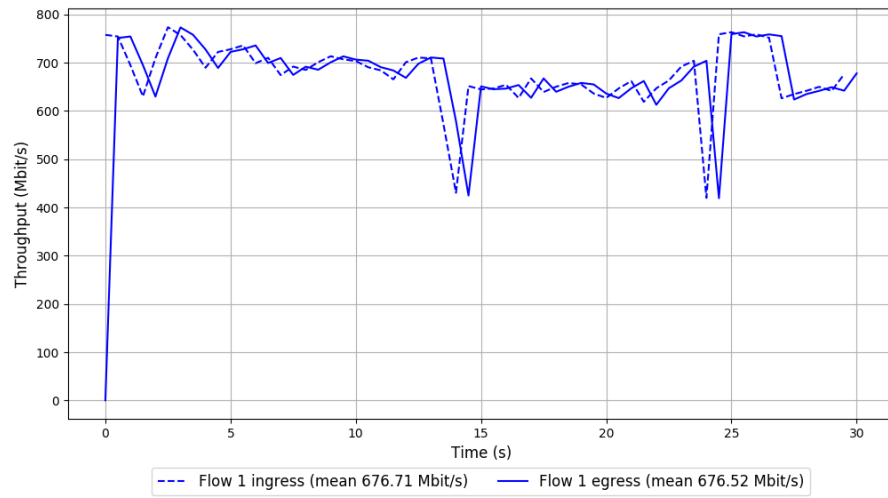
-- Flow 1:

Average throughput: 676.52 Mbit/s

95th percentile per-packet one-way delay: 5.660 ms

Loss rate: 0.03%

Run 4: Report of TCP BBR — Data Link

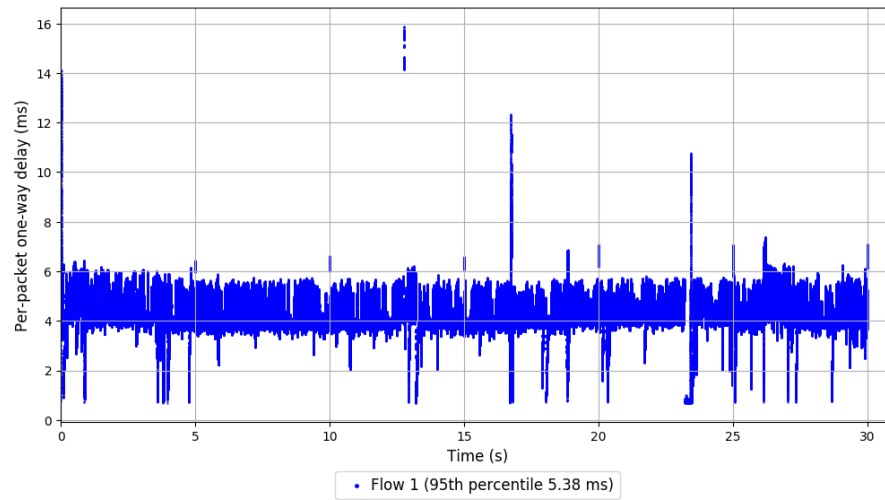
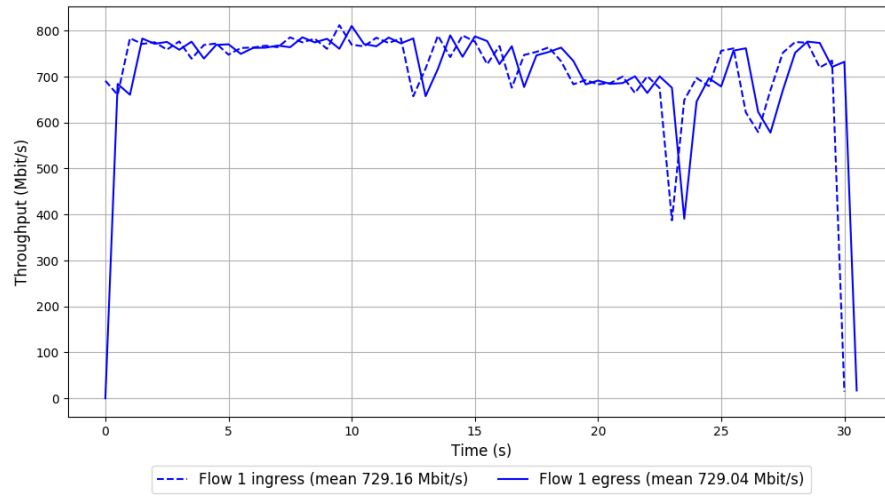


Run 5: Statistics of TCP BBR

Start at: 2019-08-26 20:01:55
End at: 2019-08-26 20:02:25
Local clock offset: -1.401 ms
Remote clock offset: -1.717 ms

Below is generated by plot.py at 2019-08-26 20:31:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 729.04 Mbit/s
95th percentile per-packet one-way delay: 5.385 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 729.04 Mbit/s
95th percentile per-packet one-way delay: 5.385 ms
Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

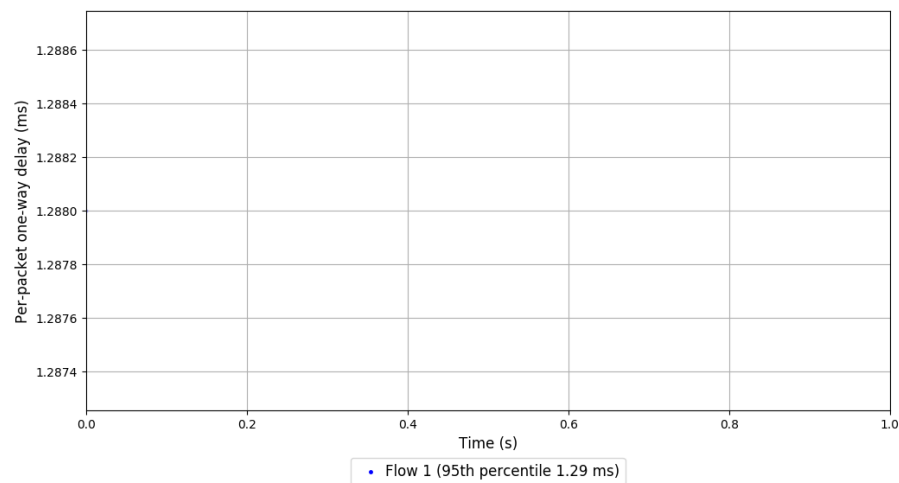
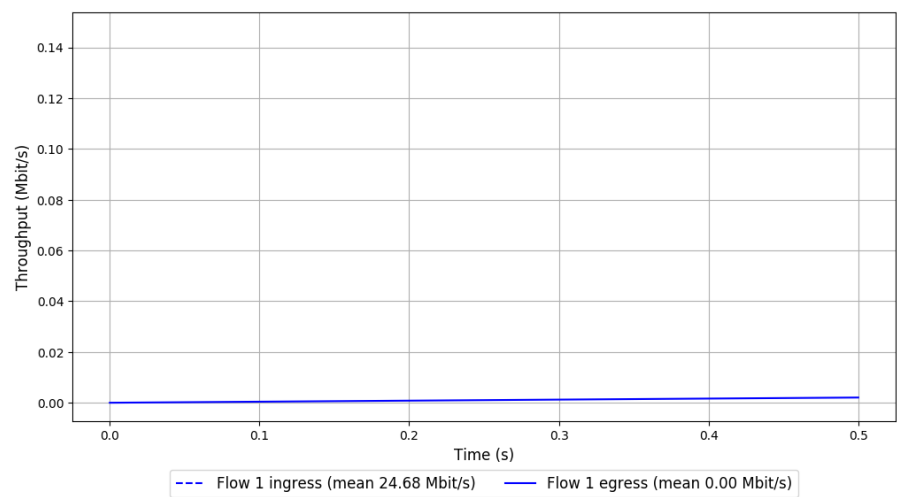
Start at: 2019-08-26 17:43:40

End at: 2019-08-26 17:44:10

Local clock offset: -0.777 ms

Remote clock offset: 1.807 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

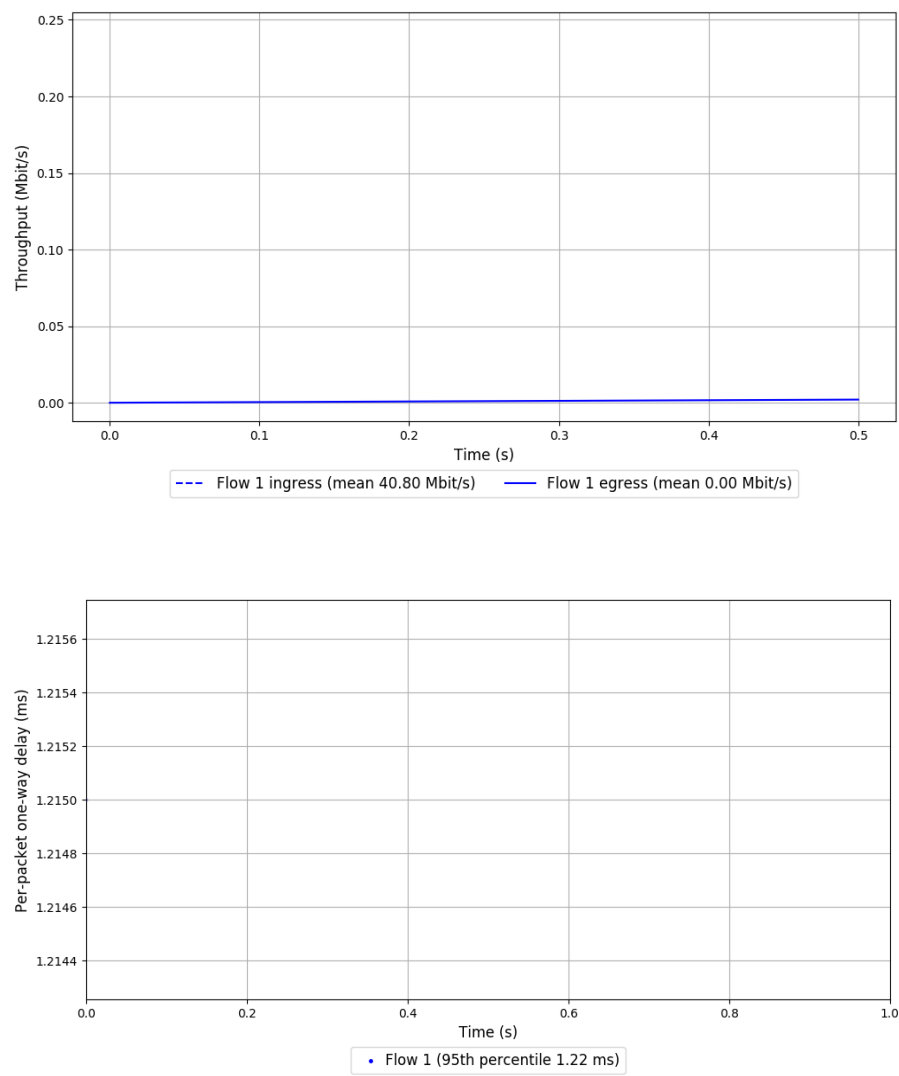
Start at: 2019-08-26 18:16:08

End at: 2019-08-26 18:16:38

Local clock offset: -0.091 ms

Remote clock offset: 2.646 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

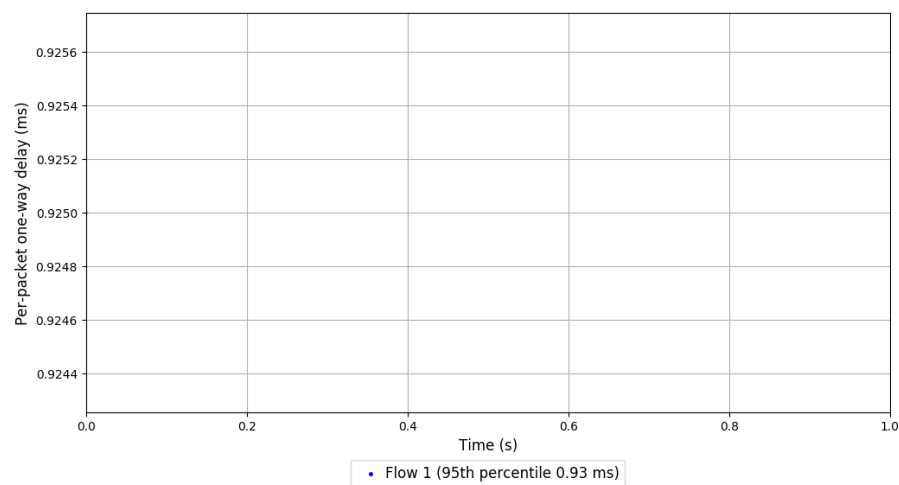
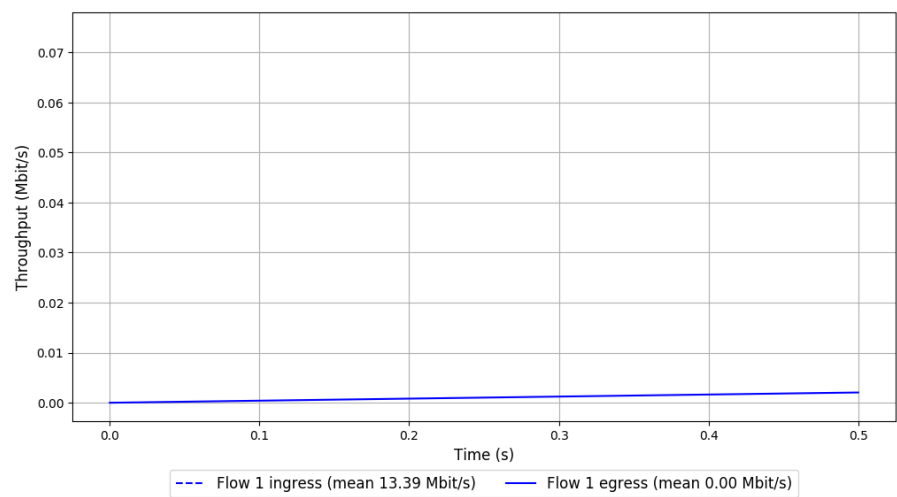
Start at: 2019-08-26 18:48:34

End at: 2019-08-26 18:49:04

Local clock offset: -0.668 ms

Remote clock offset: 0.39 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

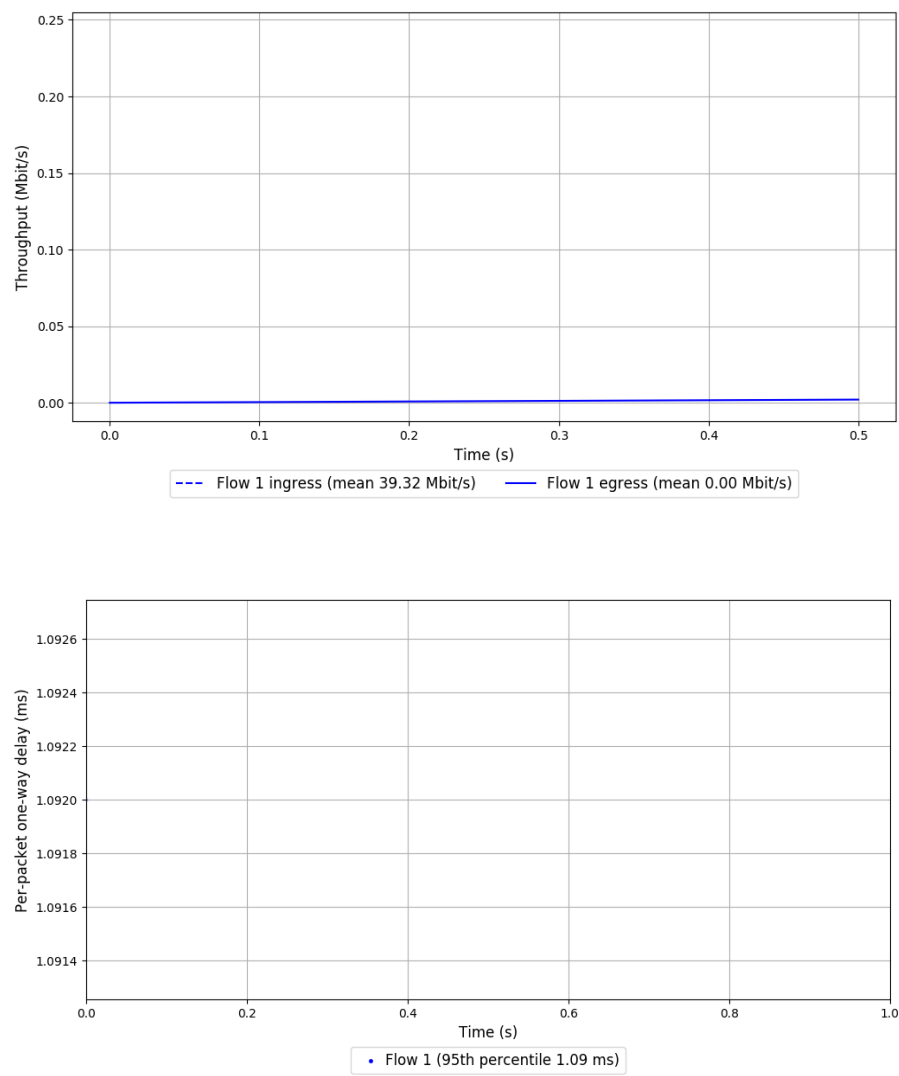
Start at: 2019-08-26 19:20:38

End at: 2019-08-26 19:21:08

Local clock offset: -1.263 ms

Remote clock offset: 2.94 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

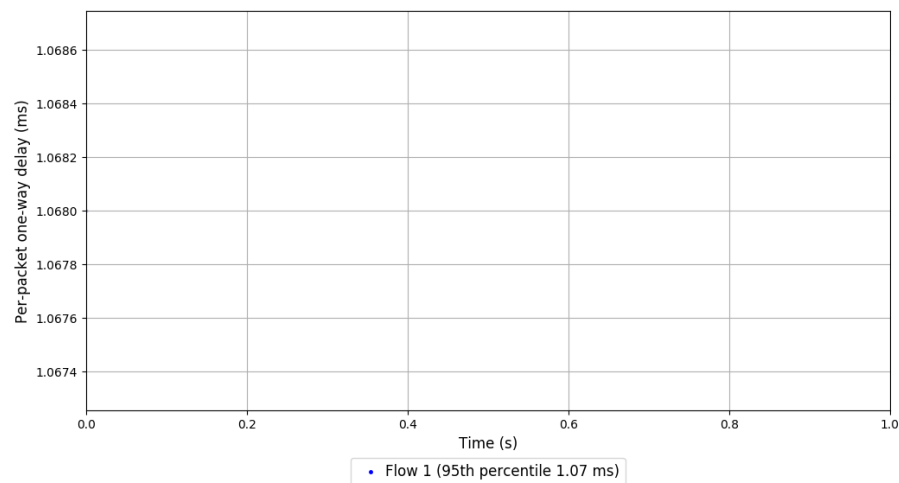
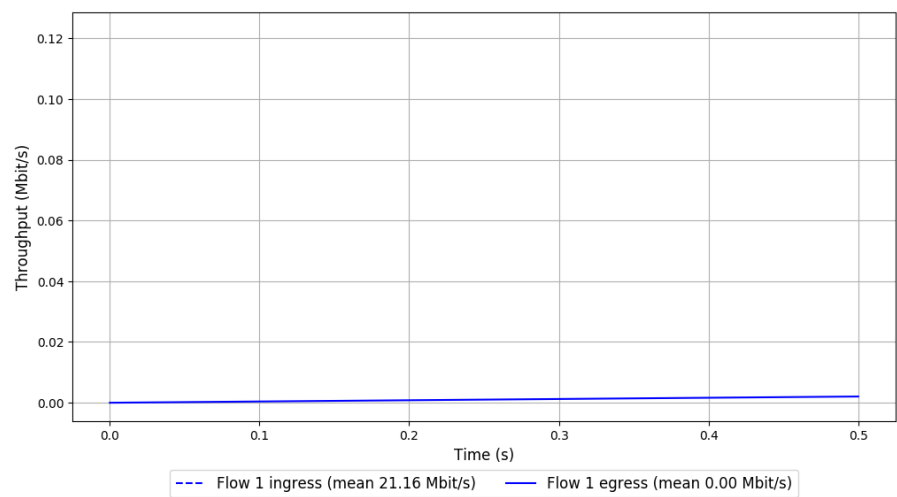
Start at: 2019-08-26 19:52:50

End at: 2019-08-26 19:53:20

Local clock offset: -1.423 ms

Remote clock offset: -1.137 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 17:36:52

End at: 2019-08-26 17:37:22

Local clock offset: -0.873 ms

Remote clock offset: 1.784 ms

Below is generated by plot.py at 2019-08-26 20:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 670.85 Mbit/s

95th percentile per-packet one-way delay: 49.764 ms

Loss rate: 0.03%

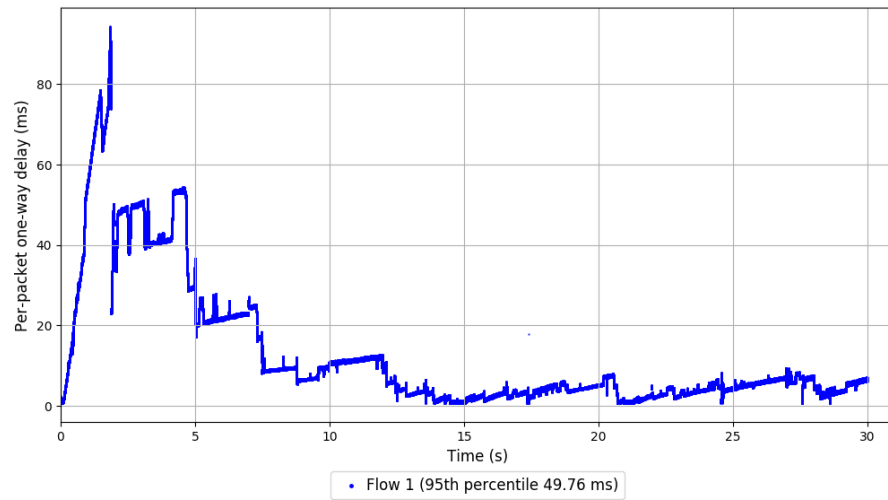
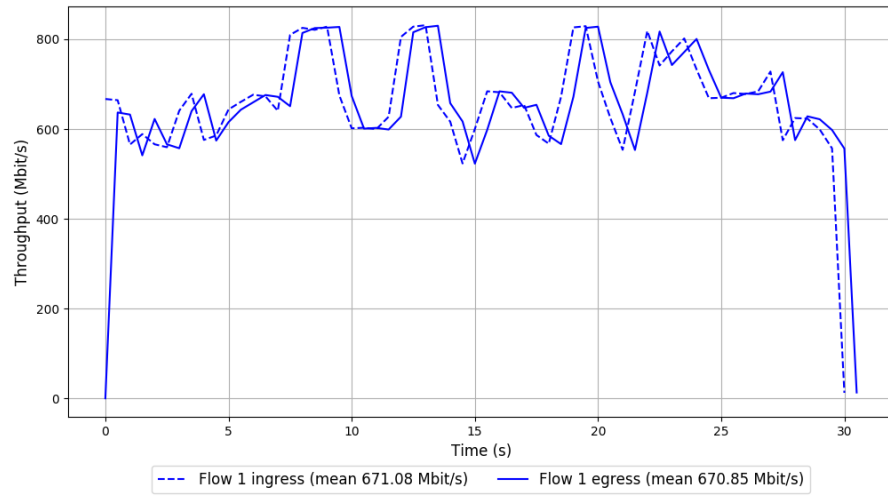
-- Flow 1:

Average throughput: 670.85 Mbit/s

95th percentile per-packet one-way delay: 49.764 ms

Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-26 18:09:23

End at: 2019-08-26 18:09:54

Local clock offset: -0.284 ms

Remote clock offset: 2.668 ms

Below is generated by plot.py at 2019-08-26 20:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 708.79 Mbit/s

95th percentile per-packet one-way delay: 46.972 ms

Loss rate: 0.05%

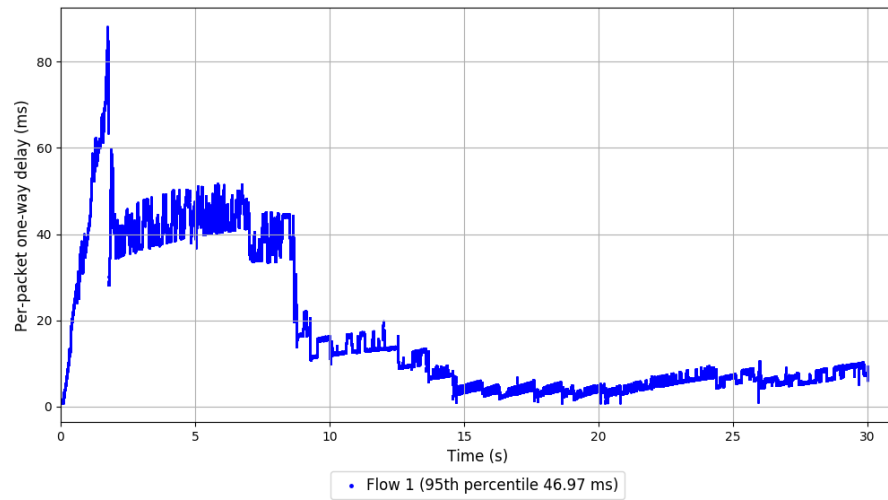
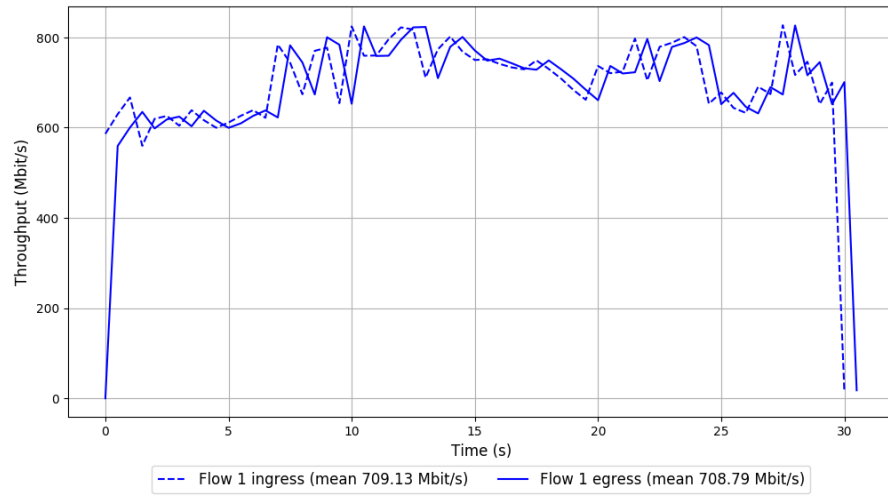
-- Flow 1:

Average throughput: 708.79 Mbit/s

95th percentile per-packet one-way delay: 46.972 ms

Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-26 18:41:44

End at: 2019-08-26 18:42:14

Local clock offset: -0.387 ms

Remote clock offset: 0.454 ms

Below is generated by plot.py at 2019-08-26 20:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 648.48 Mbit/s

95th percentile per-packet one-way delay: 36.589 ms

Loss rate: 0.03%

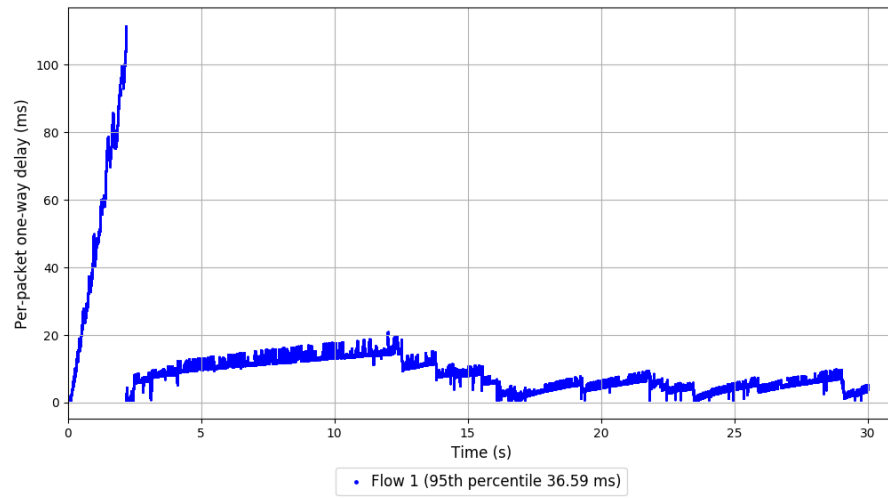
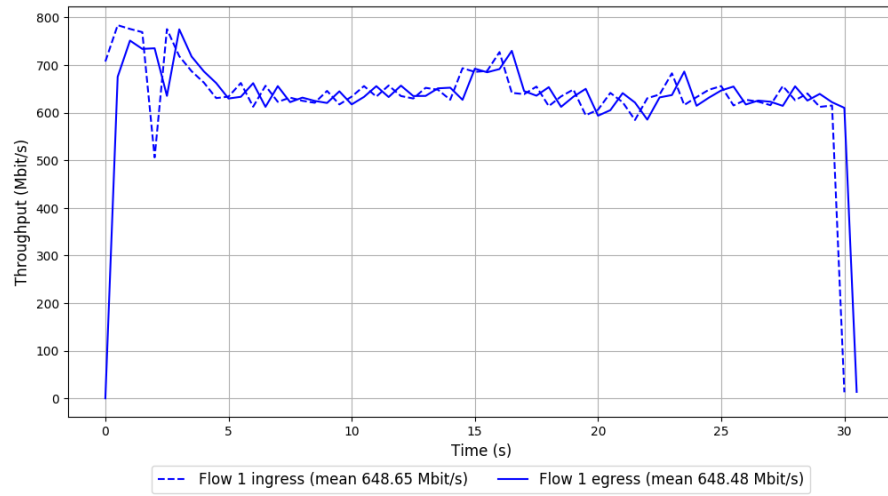
-- Flow 1:

Average throughput: 648.48 Mbit/s

95th percentile per-packet one-way delay: 36.589 ms

Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-26 19:13:57

End at: 2019-08-26 19:14:27

Local clock offset: -1.372 ms

Remote clock offset: 2.964 ms

Below is generated by plot.py at 2019-08-26 20:38:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 709.69 Mbit/s

95th percentile per-packet one-way delay: 36.791 ms

Loss rate: 0.10%

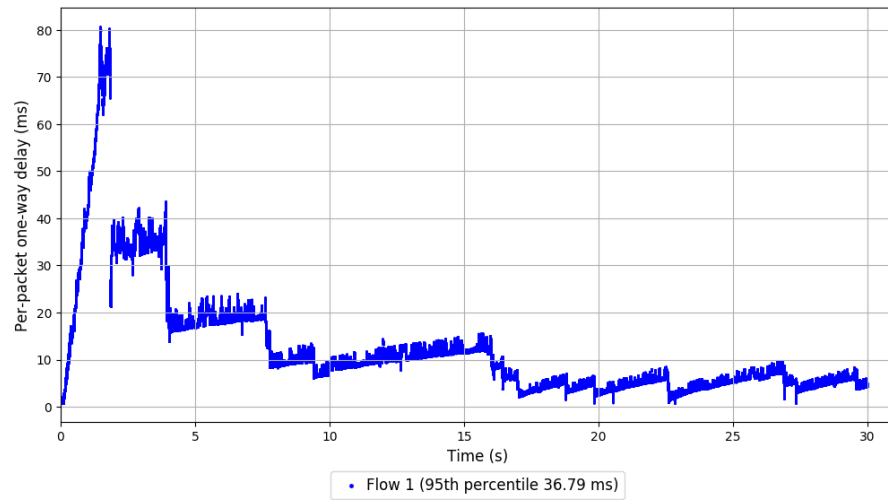
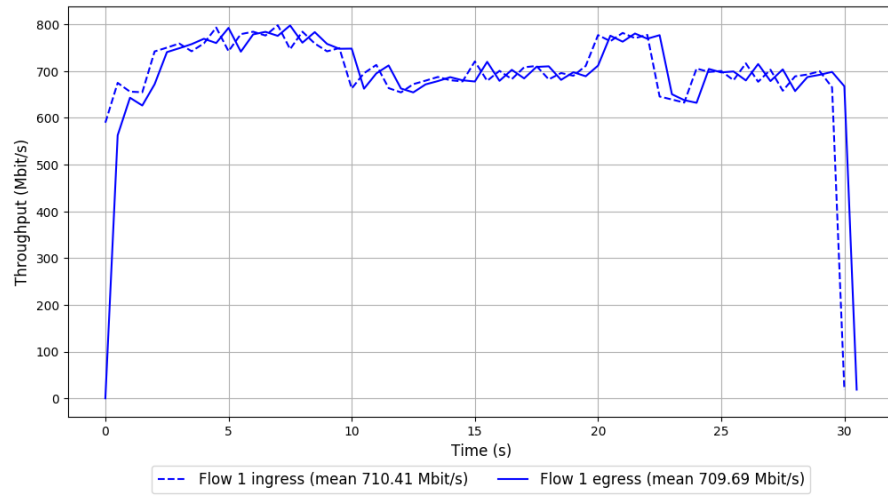
-- Flow 1:

Average throughput: 709.69 Mbit/s

95th percentile per-packet one-way delay: 36.791 ms

Loss rate: 0.10%

Run 4: Report of TCP Cubic — Data Link

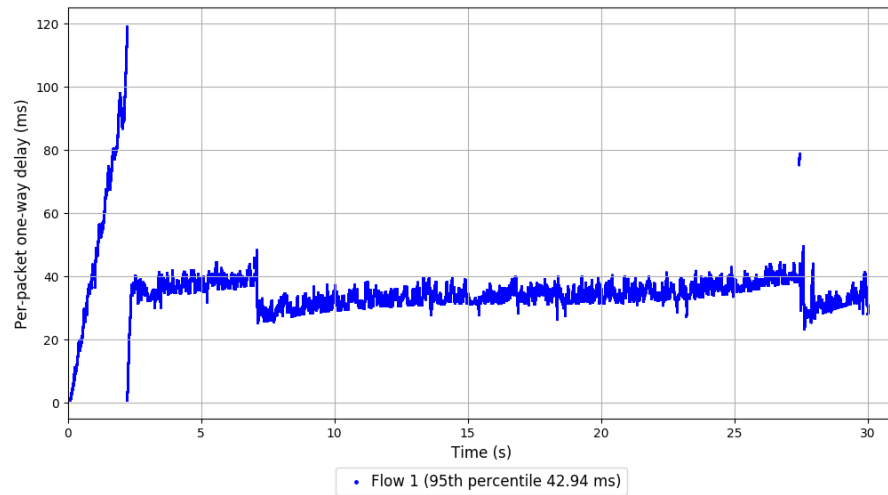
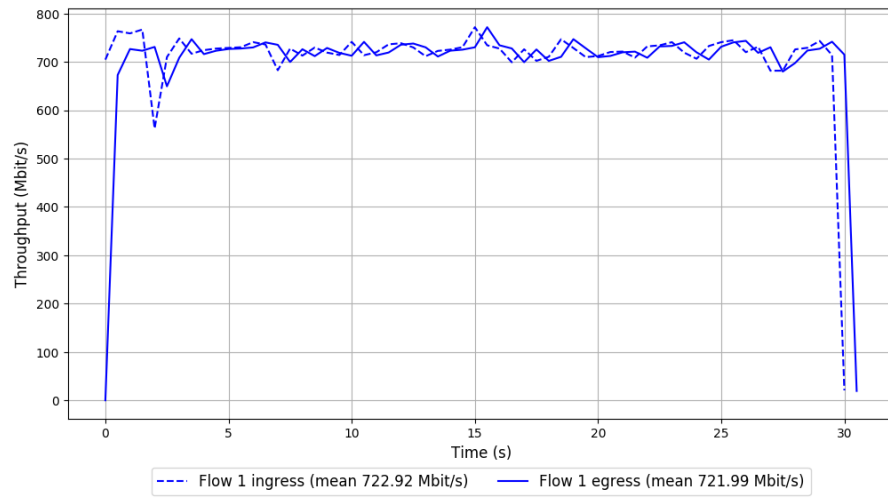


Run 5: Statistics of TCP Cubic

Start at: 2019-08-26 19:45:59
End at: 2019-08-26 19:46:29
Local clock offset: -1.414 ms
Remote clock offset: -0.795 ms

Below is generated by plot.py at 2019-08-26 20:39:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.99 Mbit/s
95th percentile per-packet one-way delay: 42.937 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 721.99 Mbit/s
95th percentile per-packet one-way delay: 42.937 ms
Loss rate: 0.13%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-26 17:55:37

End at: 2019-08-26 17:56:07

Local clock offset: -0.658 ms

Remote clock offset: 2.654 ms

Below is generated by plot.py at 2019-08-26 20:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 868.92 Mbit/s

95th percentile per-packet one-way delay: 11.269 ms

Loss rate: 5.00%

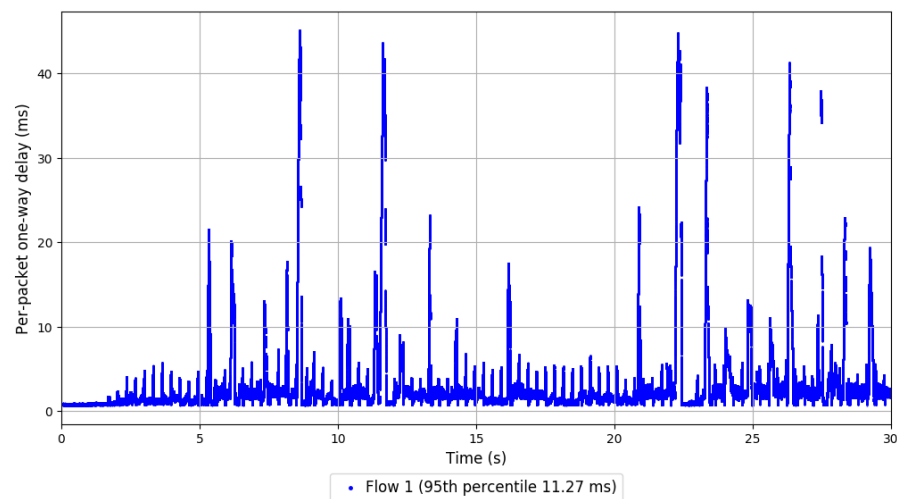
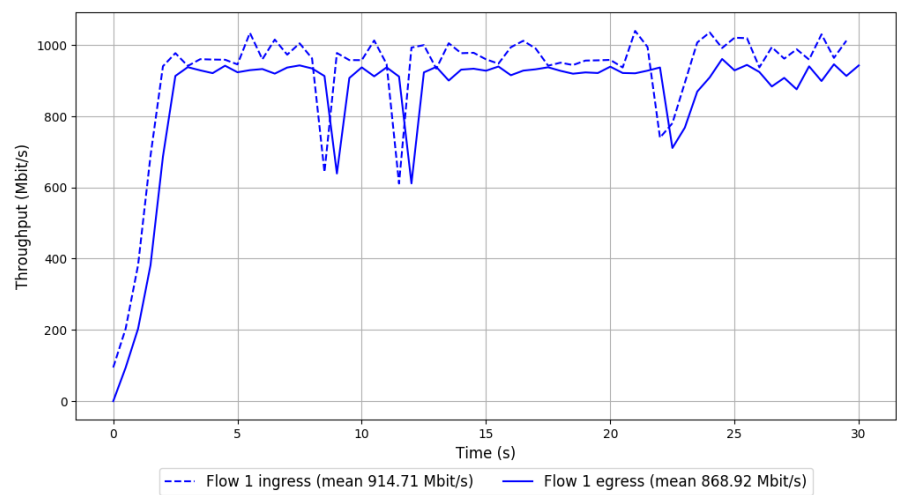
-- Flow 1:

Average throughput: 868.92 Mbit/s

95th percentile per-packet one-way delay: 11.269 ms

Loss rate: 5.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-26 18:28:01

End at: 2019-08-26 18:28:31

Local clock offset: 0.009 ms

Remote clock offset: 1.057 ms

Below is generated by plot.py at 2019-08-26 20:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 854.41 Mbit/s

95th percentile per-packet one-way delay: 20.118 ms

Loss rate: 6.30%

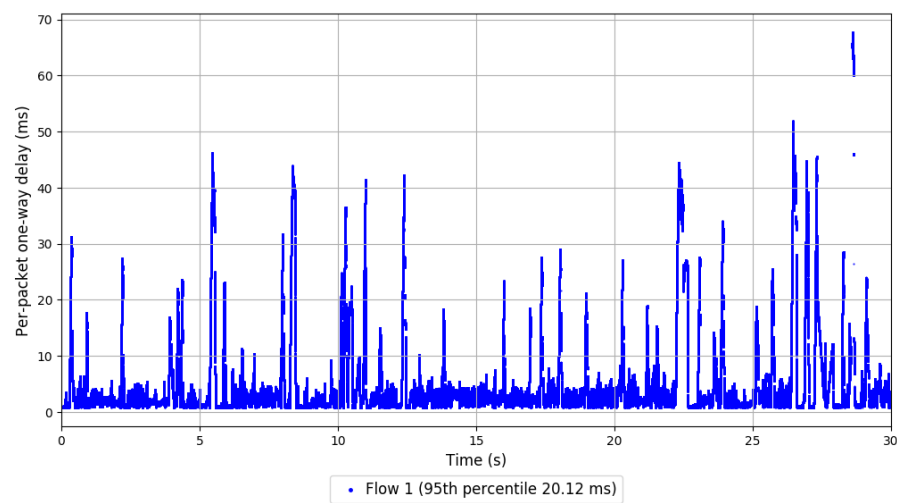
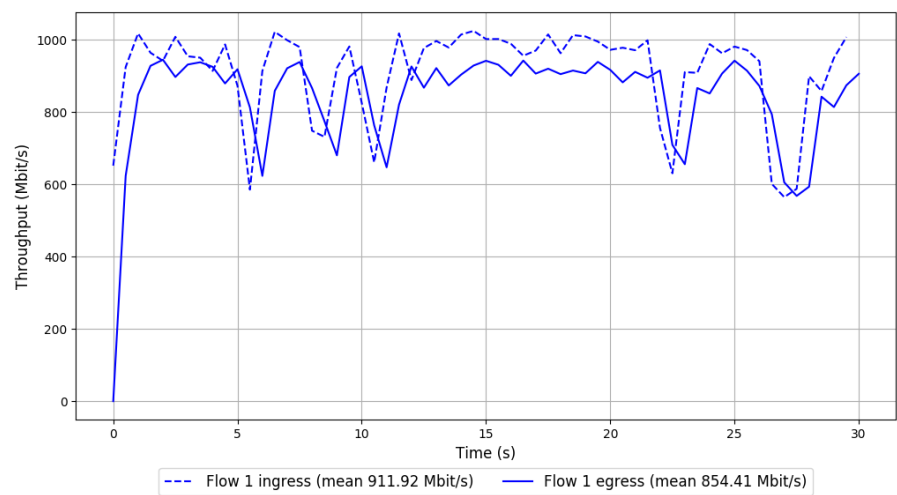
-- Flow 1:

Average throughput: 854.41 Mbit/s

95th percentile per-packet one-way delay: 20.118 ms

Loss rate: 6.30%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-26 19:00:29

End at: 2019-08-26 19:00:59

Local clock offset: -1.256 ms

Remote clock offset: 1.742 ms

Below is generated by plot.py at 2019-08-26 20:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.84 Mbit/s

95th percentile per-packet one-way delay: 29.299 ms

Loss rate: 4.04%

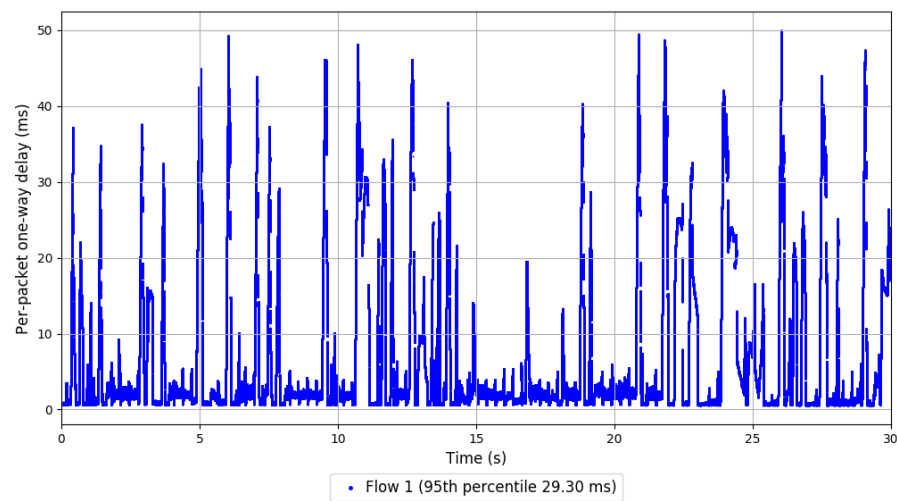
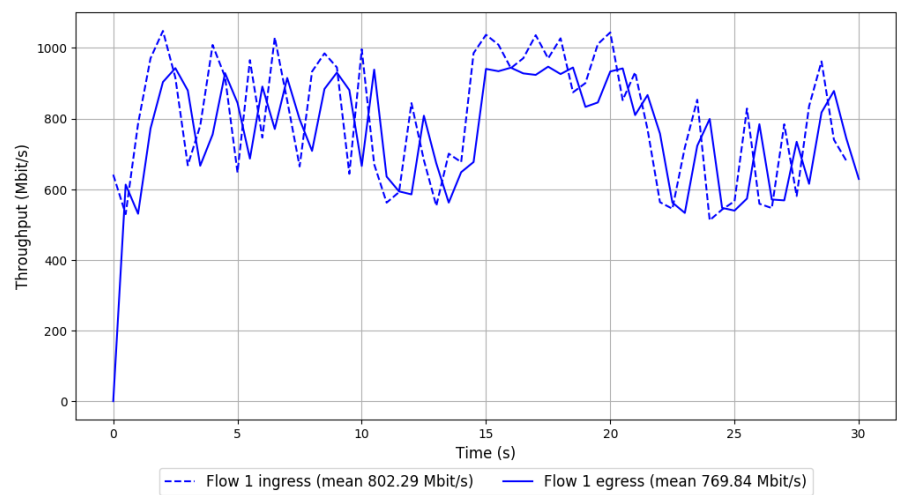
-- Flow 1:

Average throughput: 769.84 Mbit/s

95th percentile per-packet one-way delay: 29.299 ms

Loss rate: 4.04%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-08-26 19:32:33

End at: 2019-08-26 19:33:03

Local clock offset: -1.361 ms

Remote clock offset: 0.513 ms

Below is generated by plot.py at 2019-08-26 20:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 680.56 Mbit/s

95th percentile per-packet one-way delay: 30.763 ms

Loss rate: 2.79%

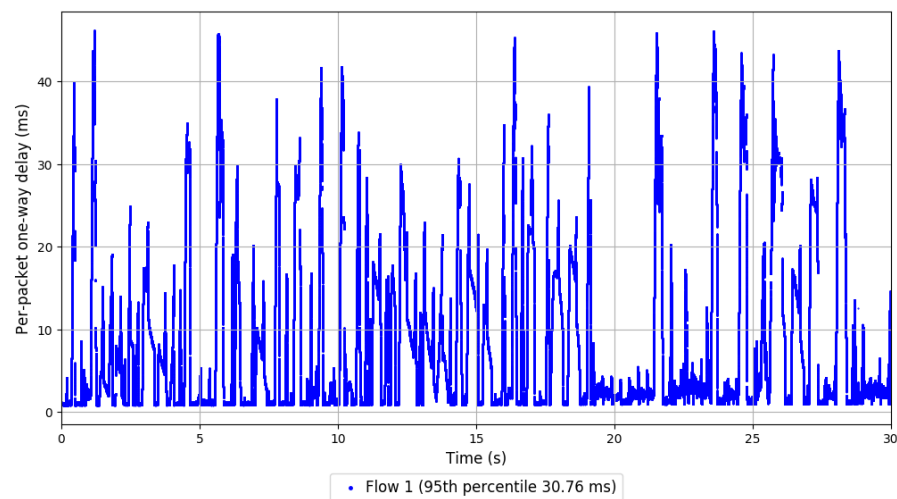
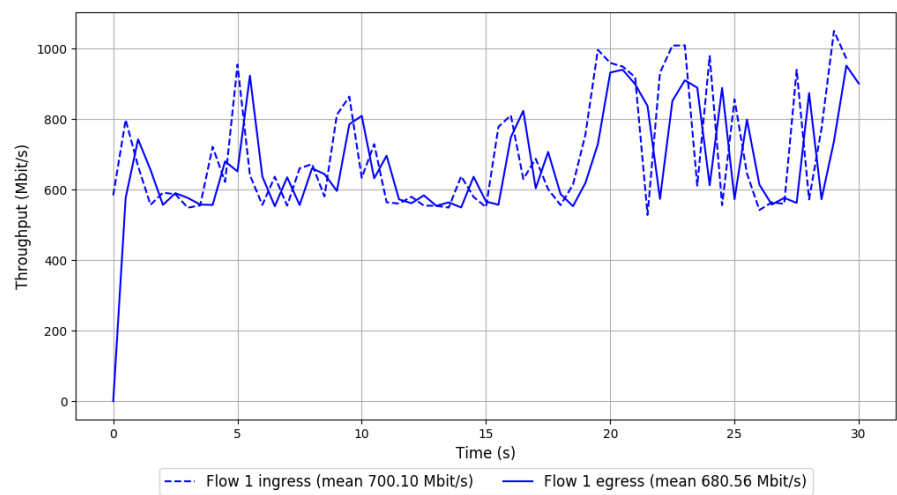
-- Flow 1:

Average throughput: 680.56 Mbit/s

95th percentile per-packet one-way delay: 30.763 ms

Loss rate: 2.79%

Run 4: Report of FillP — Data Link

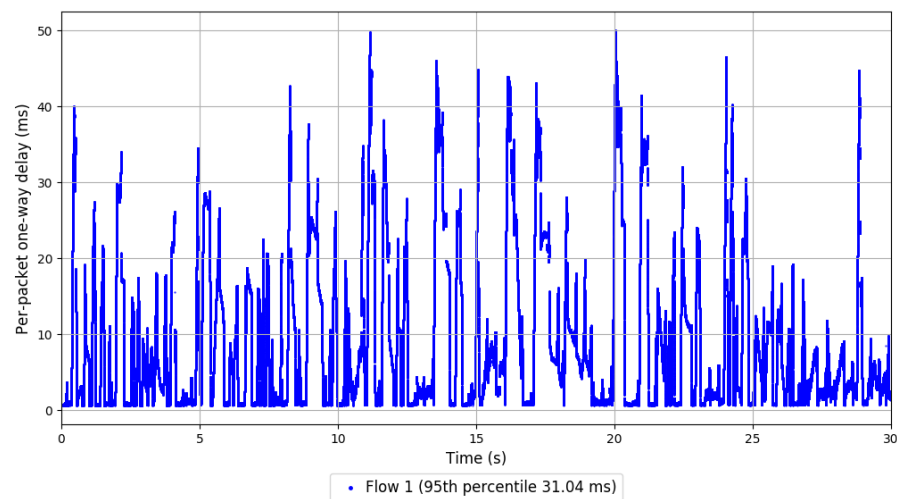
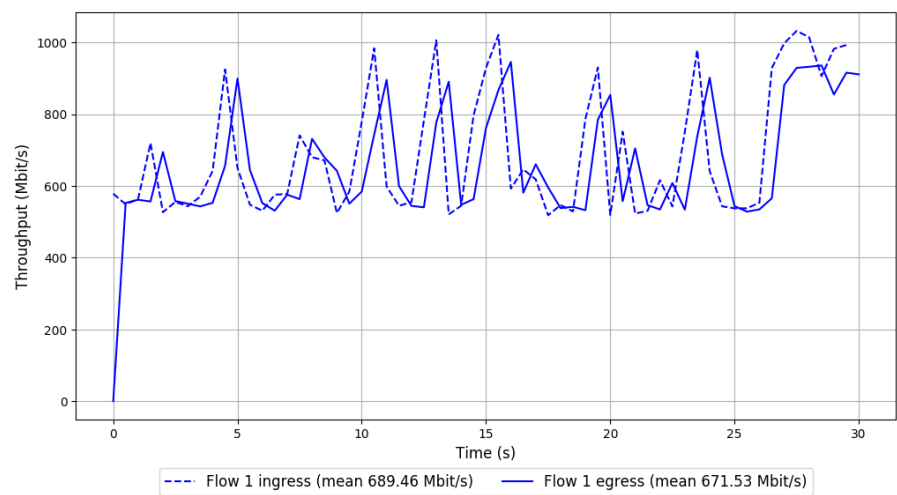


Run 5: Statistics of FillP

Start at: 2019-08-26 20:04:45
End at: 2019-08-26 20:05:15
Local clock offset: -1.457 ms
Remote clock offset: -1.884 ms

Below is generated by plot.py at 2019-08-26 20:44:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 671.53 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 671.53 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 2.60%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 18:03:59

End at: 2019-08-26 18:04:29

Local clock offset: -0.381 ms

Remote clock offset: 2.605 ms

Below is generated by plot.py at 2019-08-26 20:44:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 878.31 Mbit/s

95th percentile per-packet one-way delay: 8.537 ms

Loss rate: 3.37%

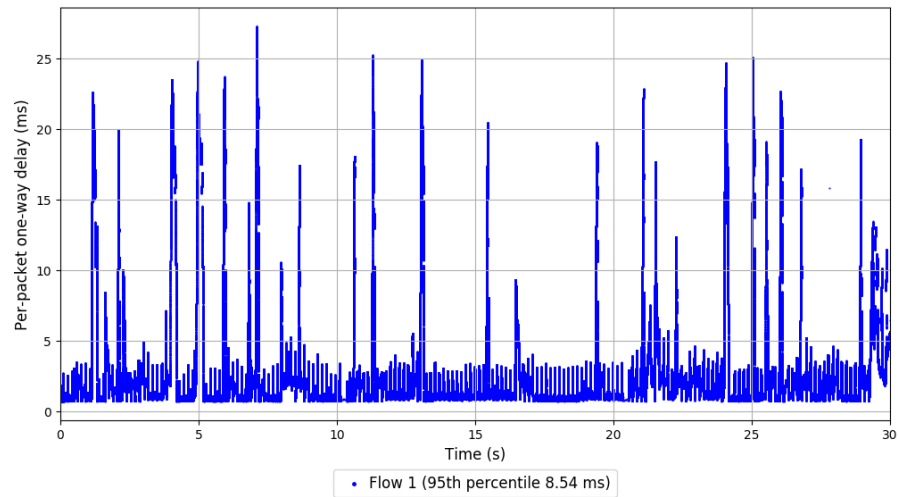
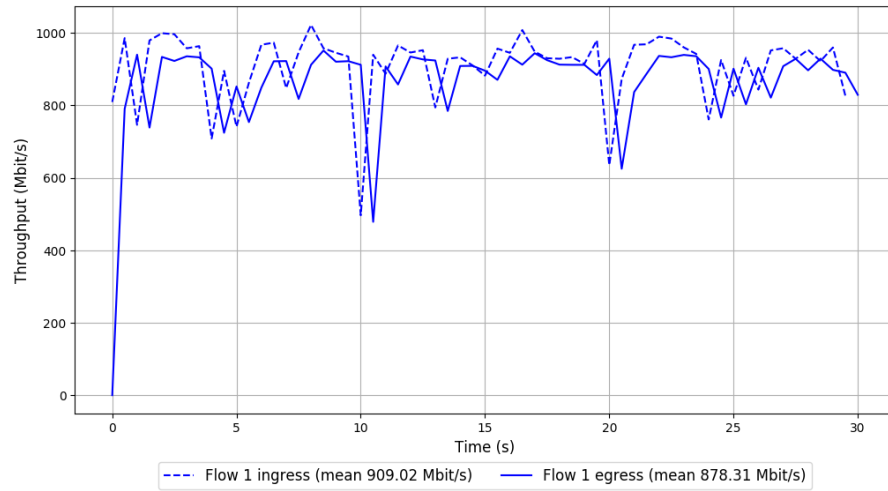
-- Flow 1:

Average throughput: 878.31 Mbit/s

95th percentile per-packet one-way delay: 8.537 ms

Loss rate: 3.37%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-26 18:36:14

End at: 2019-08-26 18:36:44

Local clock offset: -0.214 ms

Remote clock offset: 0.523 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 881.31 Mbit/s

95th percentile per-packet one-way delay: 11.484 ms

Loss rate: 3.80%

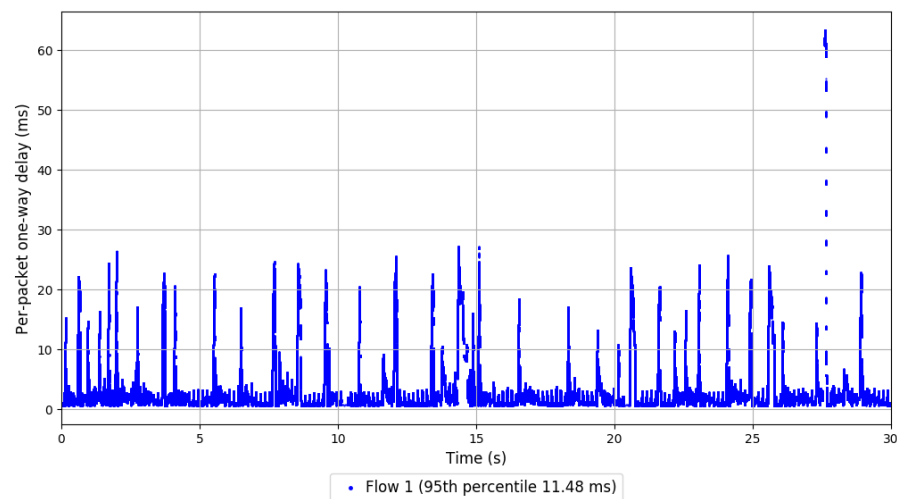
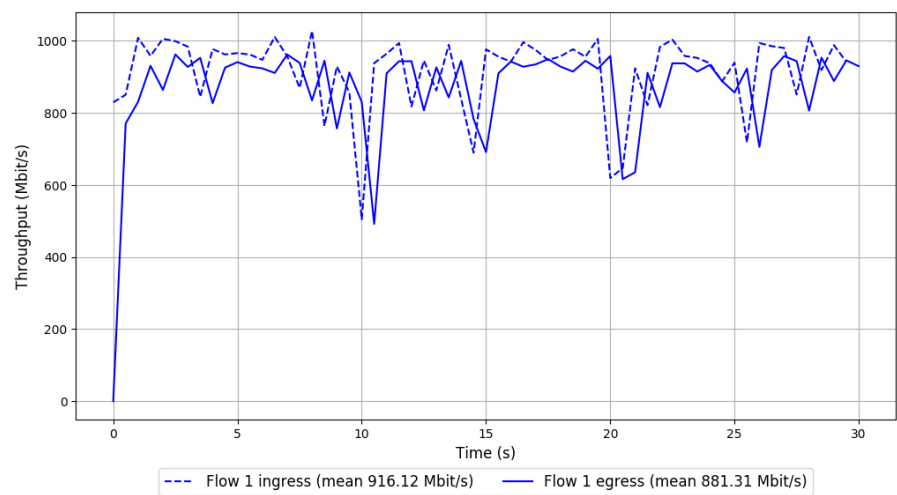
-- Flow 1:

Average throughput: 881.31 Mbit/s

95th percentile per-packet one-way delay: 11.484 ms

Loss rate: 3.80%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-26 19:08:34

End at: 2019-08-26 19:09:04

Local clock offset: -1.565 ms

Remote clock offset: 2.622 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.66 Mbit/s

95th percentile per-packet one-way delay: 16.062 ms

Loss rate: 1.94%

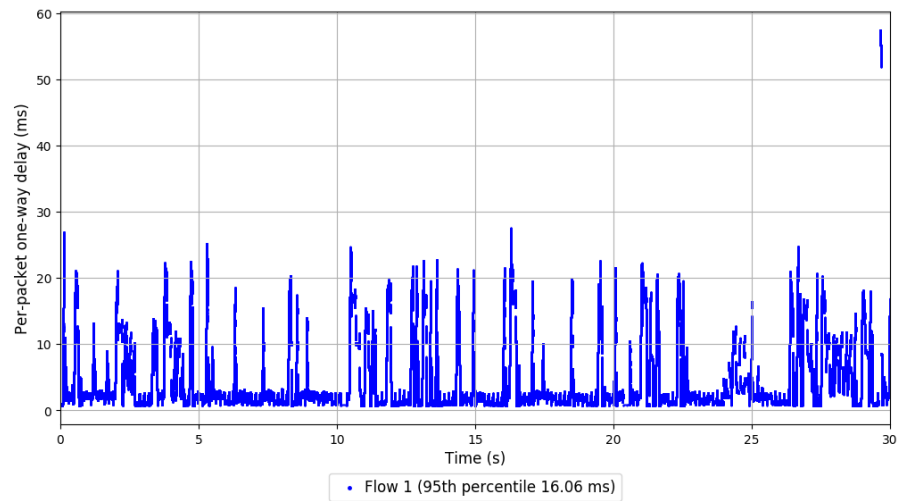
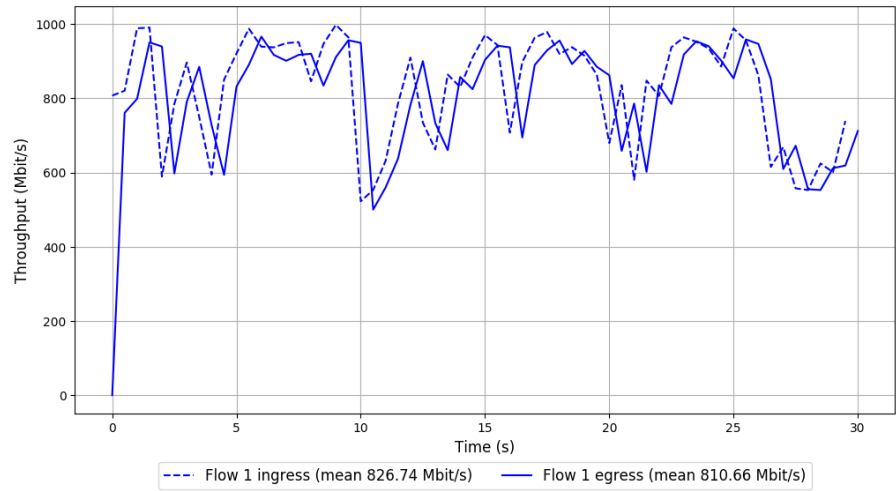
-- Flow 1:

Average throughput: 810.66 Mbit/s

95th percentile per-packet one-way delay: 16.062 ms

Loss rate: 1.94%

Run 3: Report of FillP-Sheep — Data Link

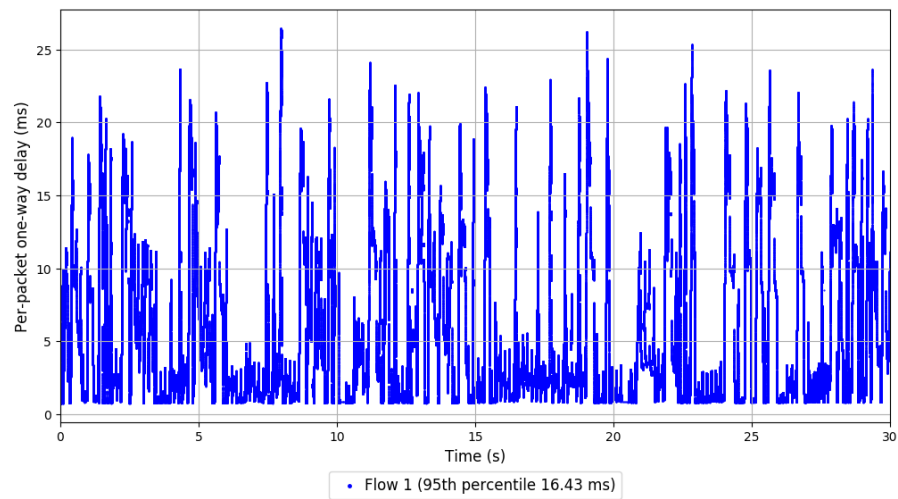
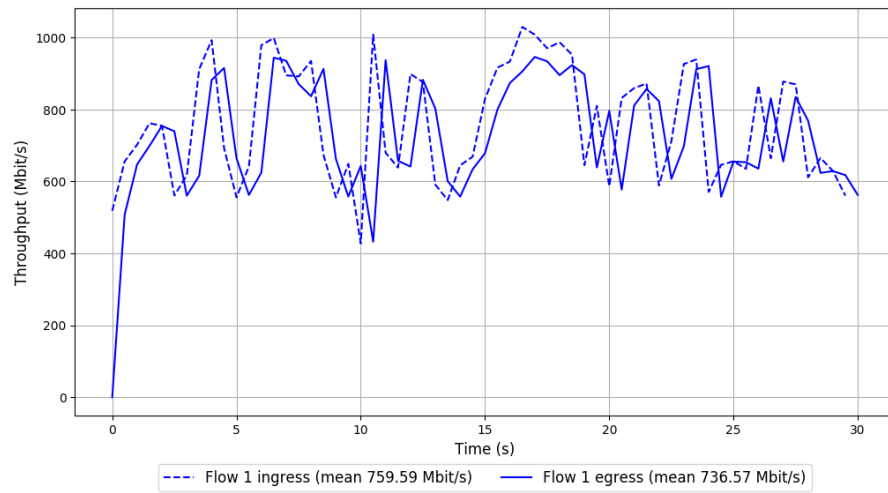


Run 4: Statistics of FillP-Sheep

Start at: 2019-08-26 19:40:38
End at: 2019-08-26 19:41:08
Local clock offset: -1.493 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2019-08-26 20:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 736.57 Mbit/s
95th percentile per-packet one-way delay: 16.425 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 736.57 Mbit/s
95th percentile per-packet one-way delay: 16.425 ms
Loss rate: 3.01%

Run 4: Report of FillP-Sheep — Data Link

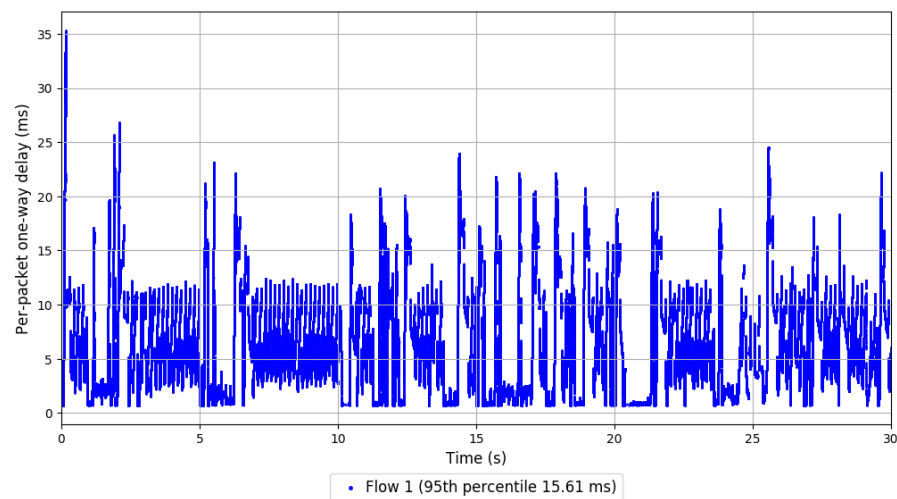
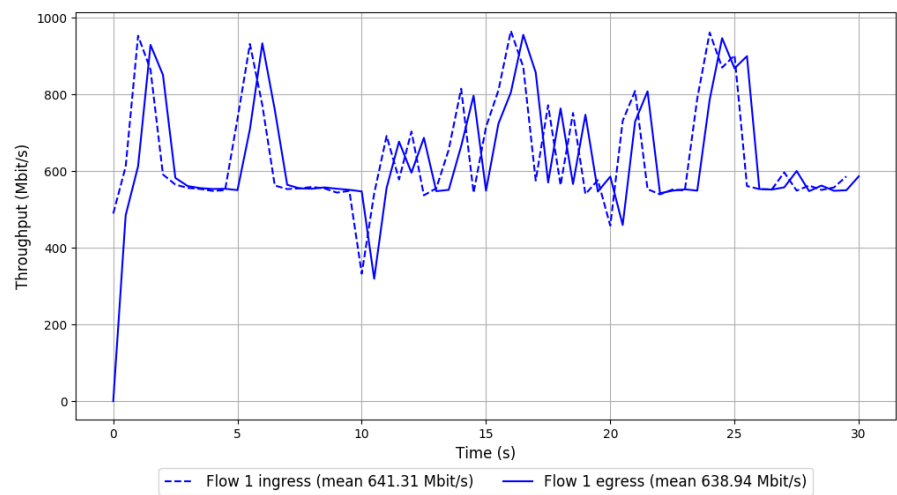


Run 5: Statistics of FillP-Sheep

Start at: 2019-08-26 20:13:04
End at: 2019-08-26 20:13:34
Local clock offset: -1.646 ms
Remote clock offset: -2.163 ms

Below is generated by plot.py at 2019-08-26 20:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.94 Mbit/s
95th percentile per-packet one-way delay: 15.606 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 638.94 Mbit/s
95th percentile per-packet one-way delay: 15.606 ms
Loss rate: 0.37%

Run 5: Report of FillP-Sheep — Data Link

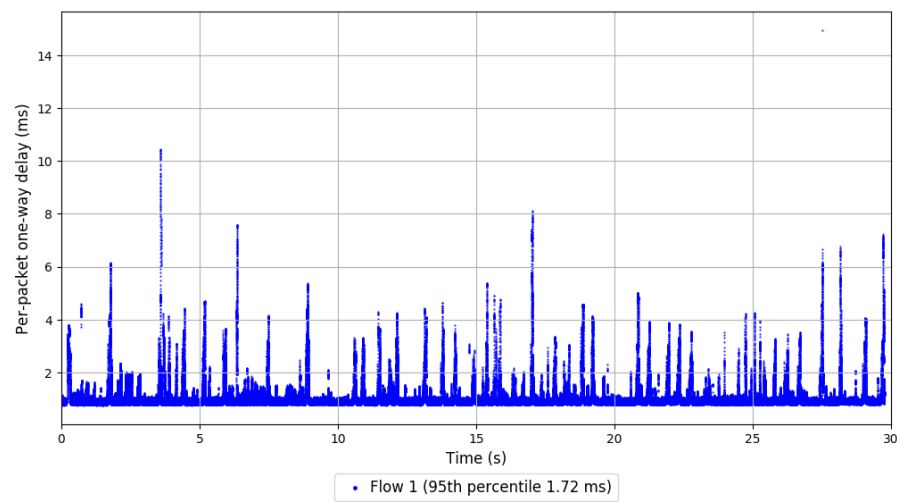
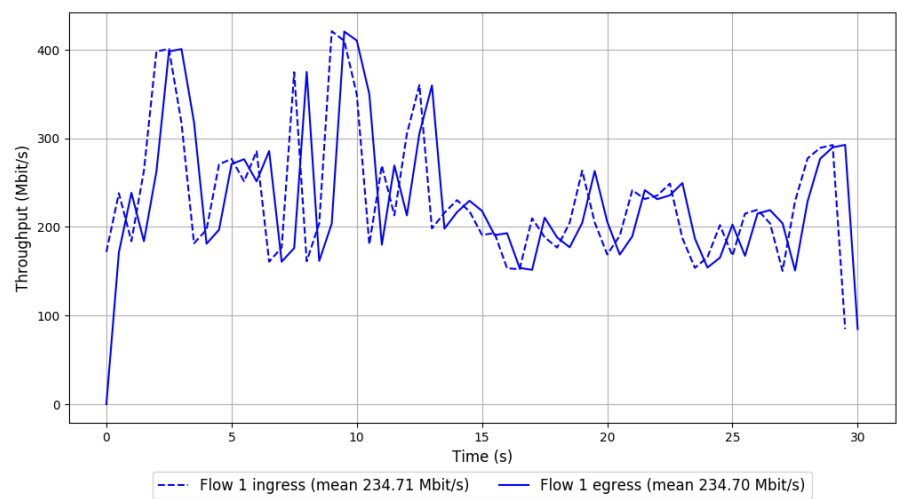


```
Run 1: Statistics of Indigo

Start at: 2019-08-26 18:01:09
End at: 2019-08-26 18:01:39
Local clock offset: -0.46 ms
Remote clock offset: 2.645 ms

# Below is generated by plot.py at 2019-08-26 20:53:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 1.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 1.716 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-26 18:33:33

End at: 2019-08-26 18:34:03

Local clock offset: -0.103 ms

Remote clock offset: 0.544 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.87 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.00%

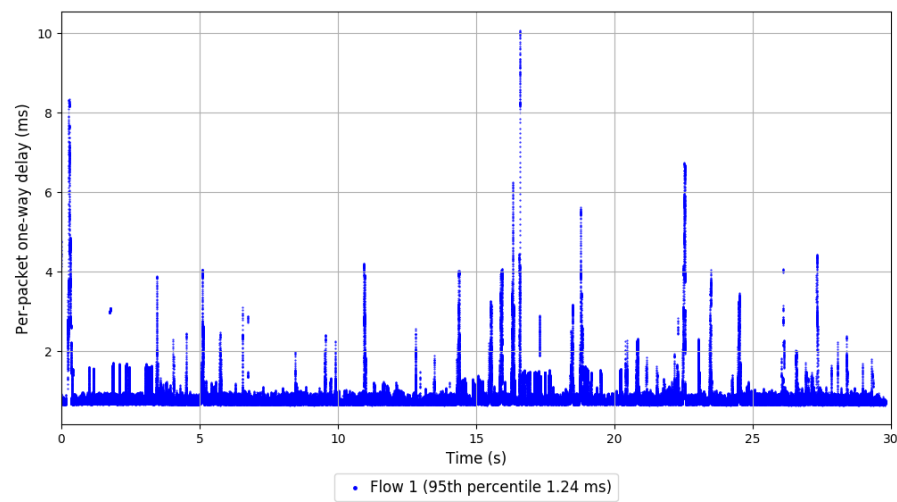
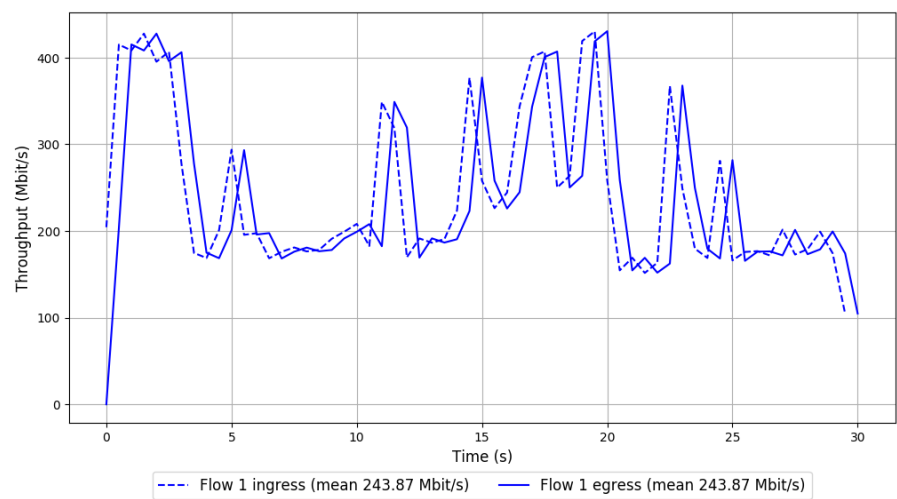
-- Flow 1:

Average throughput: 243.87 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-08-26 19:05:57

End at: 2019-08-26 19:06:27

Local clock offset: -1.533 ms

Remote clock offset: 2.403 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.55 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.00%

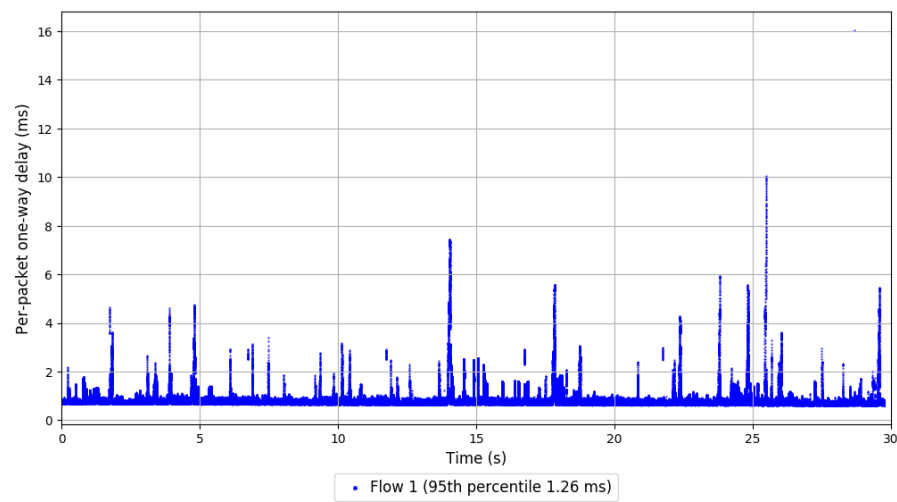
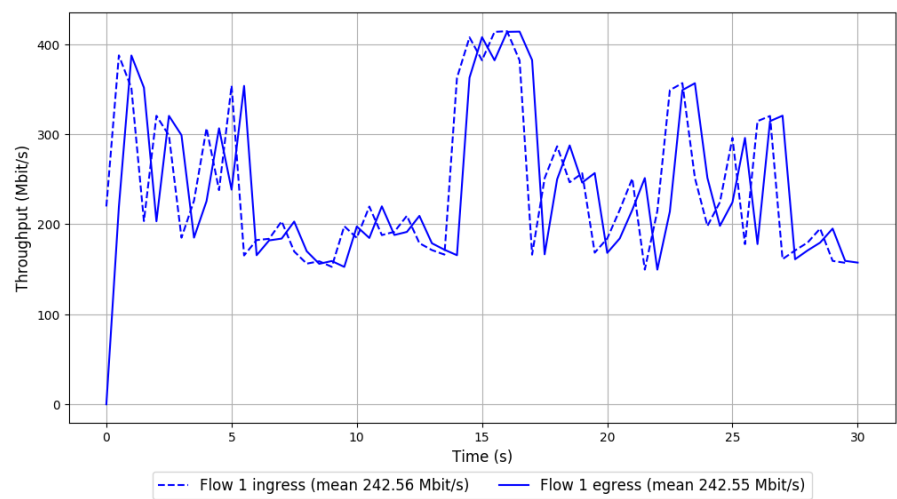
-- Flow 1:

Average throughput: 242.55 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

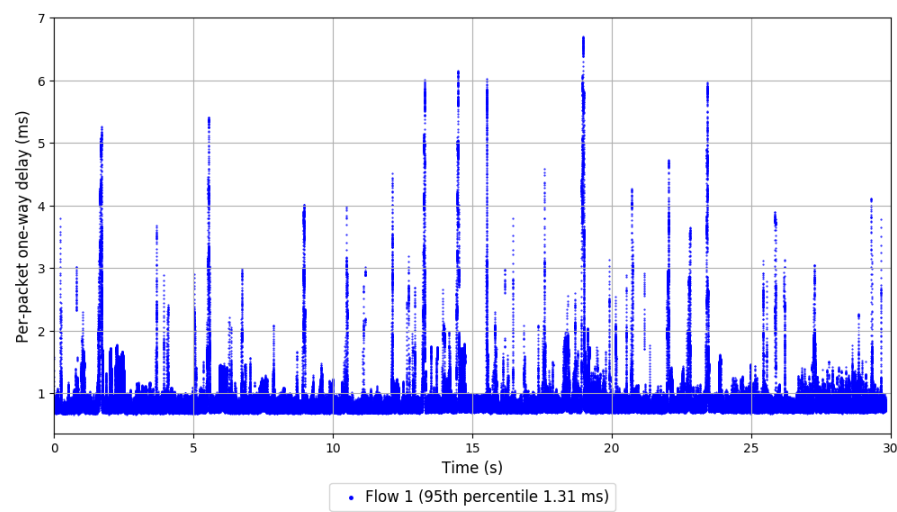
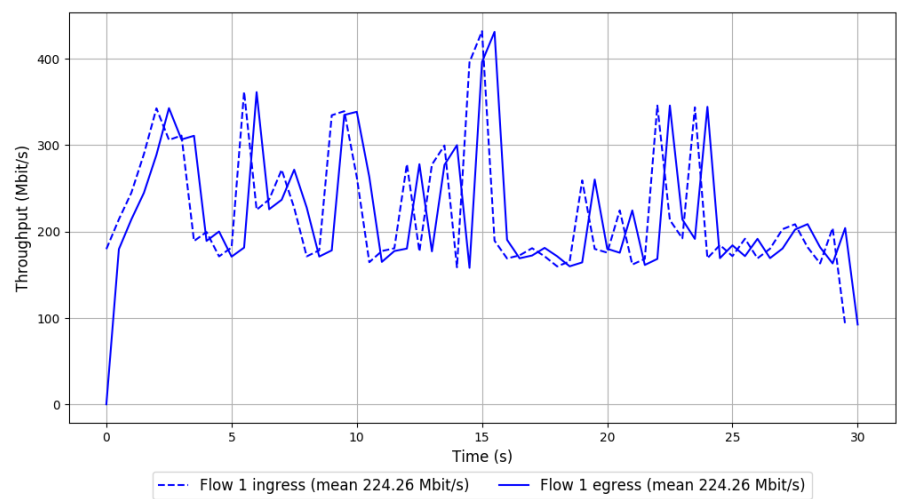


Run 4: Statistics of Indigo

Start at: 2019-08-26 19:38:00
End at: 2019-08-26 19:38:30
Local clock offset: -1.441 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2019-08-26 20:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.26 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.26 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

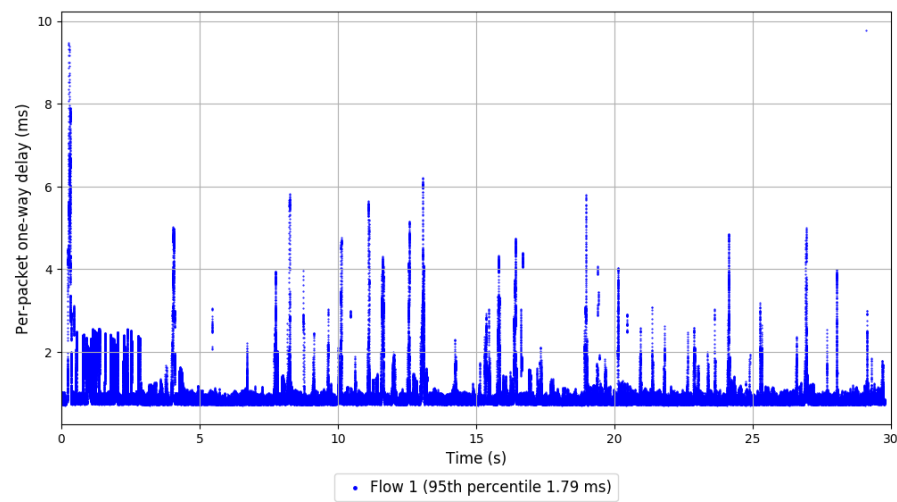
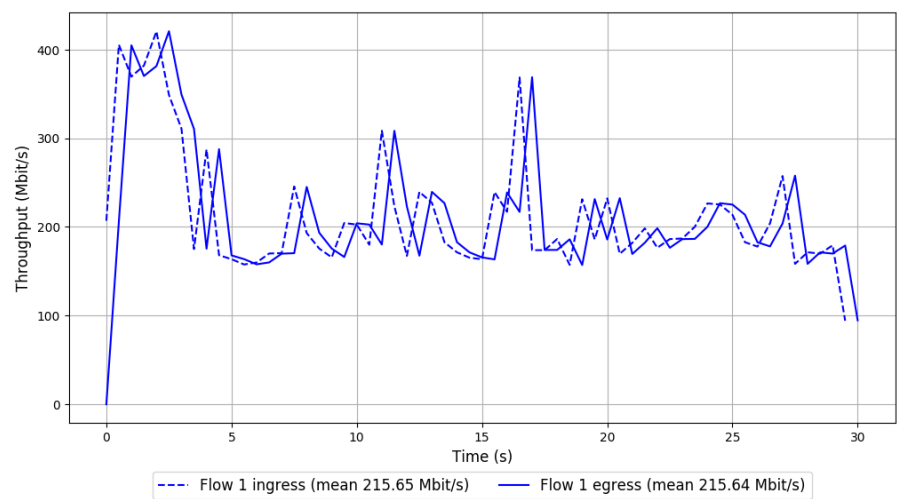


Run 5: Statistics of Indigo

Start at: 2019-08-26 20:10:15
End at: 2019-08-26 20:10:45
Local clock offset: -1.558 ms
Remote clock offset: -2.088 ms

Below is generated by plot.py at 2019-08-26 20:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.64 Mbit/s
95th percentile per-packet one-way delay: 1.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.64 Mbit/s
95th percentile per-packet one-way delay: 1.789 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:08:05

End at: 2019-08-26 18:08:35

Local clock offset: -0.302 ms

Remote clock offset: 2.662 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.18 Mbit/s

95th percentile per-packet one-way delay: 1.429 ms

Loss rate: 0.00%

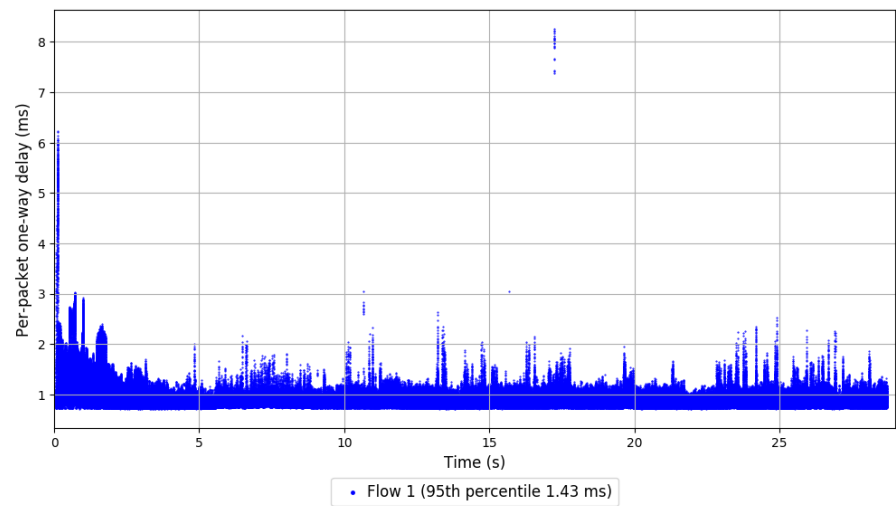
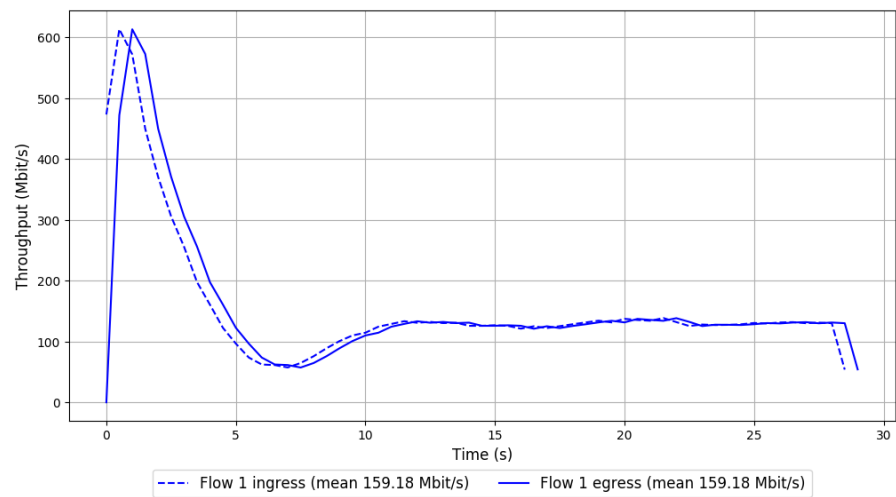
-- Flow 1:

Average throughput: 159.18 Mbit/s

95th percentile per-packet one-way delay: 1.429 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:40:21

End at: 2019-08-26 18:40:51

Local clock offset: -0.32 ms

Remote clock offset: 0.528 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.32 Mbit/s

95th percentile per-packet one-way delay: 2.023 ms

Loss rate: 0.00%

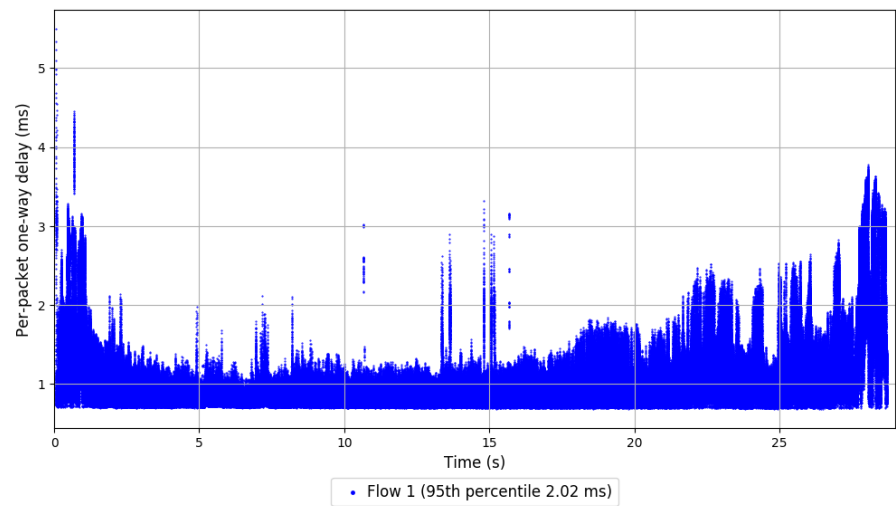
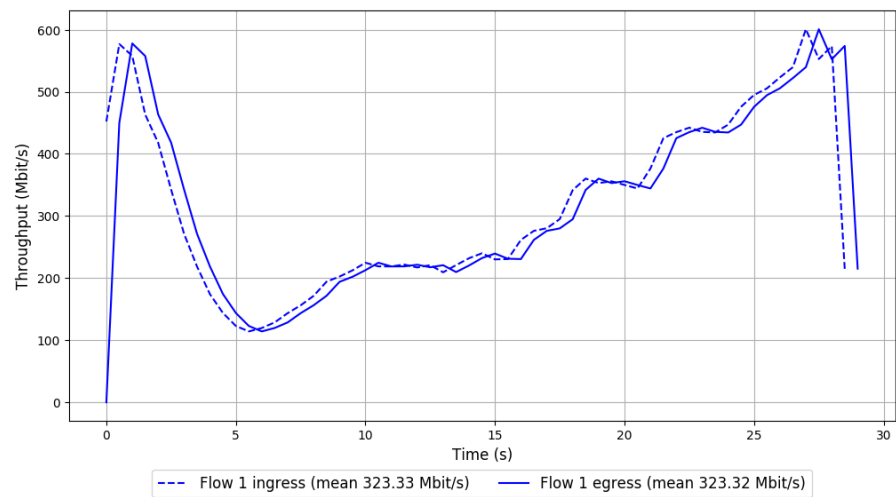
-- Flow 1:

Average throughput: 323.32 Mbit/s

95th percentile per-packet one-way delay: 2.023 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:12:39

End at: 2019-08-26 19:13:09

Local clock offset: -1.411 ms

Remote clock offset: 2.899 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.11 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.01%

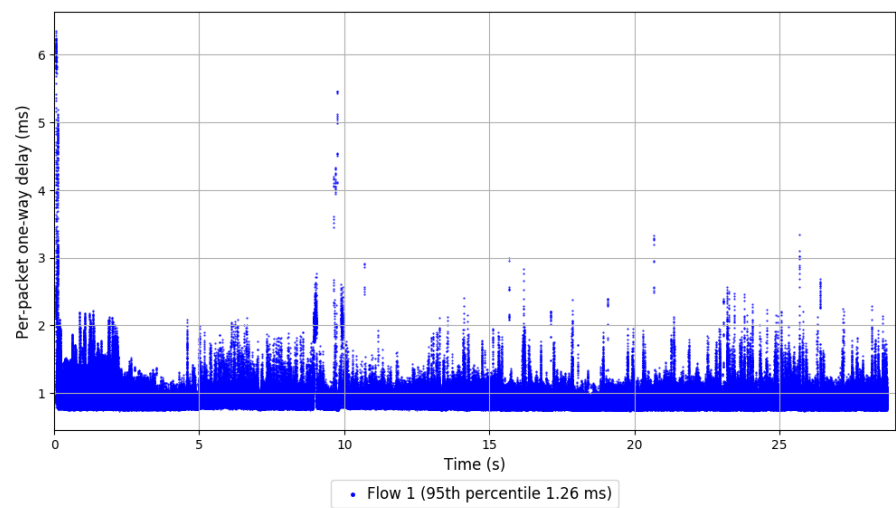
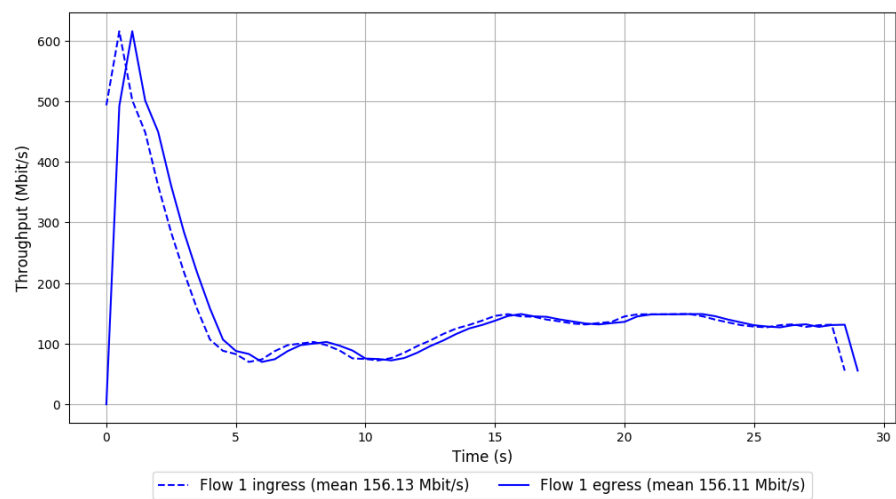
-- Flow 1:

Average throughput: 156.11 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link

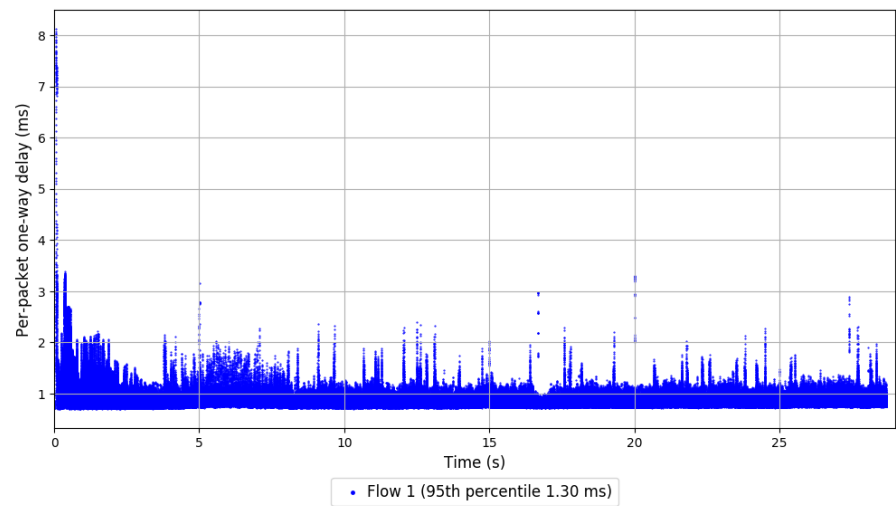
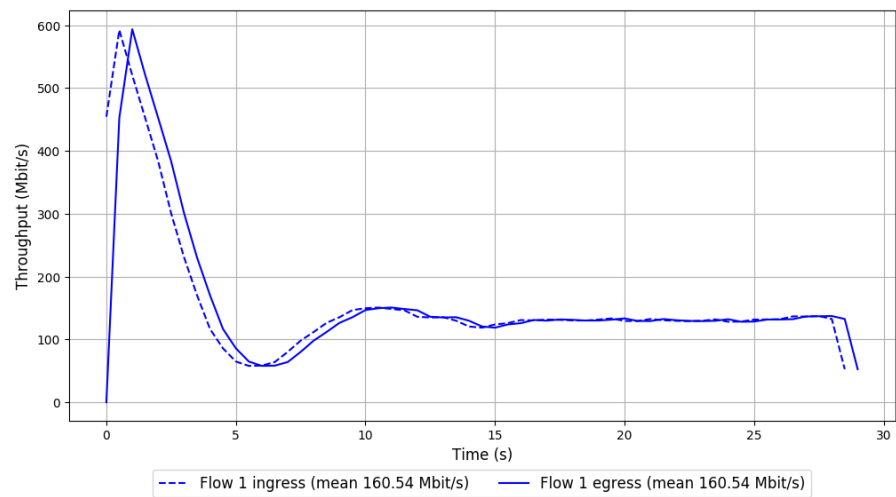


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:44:40
End at: 2019-08-26 19:45:10
Local clock offset: -1.437 ms
Remote clock offset: -0.761 ms

Below is generated by plot.py at 2019-08-26 20:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.54 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.54 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

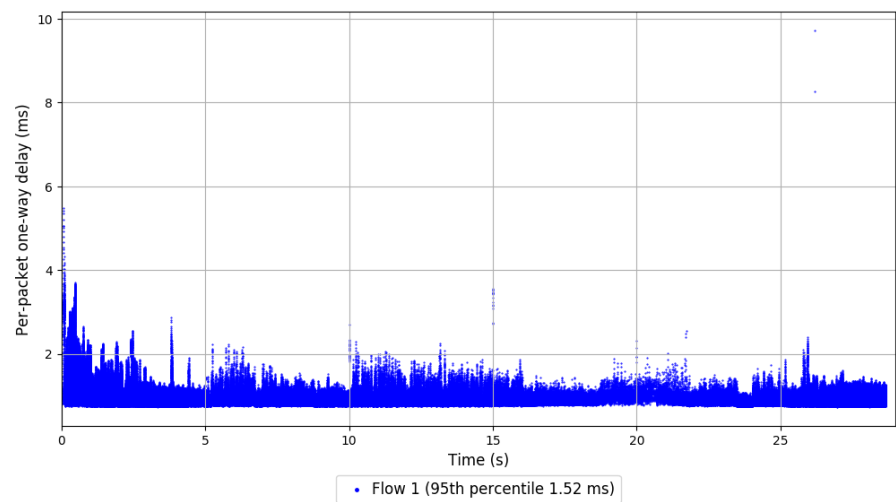
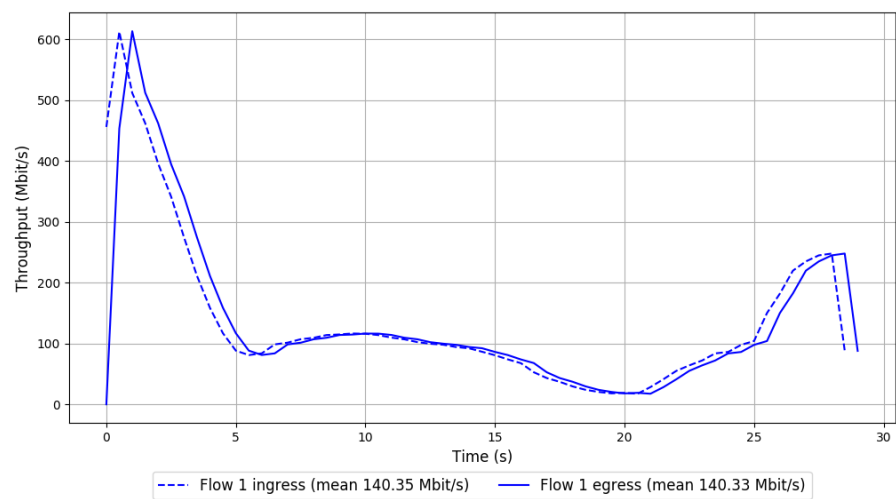


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-26 20:17:03
End at: 2019-08-26 20:17:33
Local clock offset: -1.709 ms
Remote clock offset: -2.158 ms

Below is generated by plot.py at 2019-08-26 20:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.33 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.33 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.02%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 17:59:54

End at: 2019-08-26 18:00:24

Local clock offset: -0.531 ms

Remote clock offset: 2.694 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.31 Mbit/s

95th percentile per-packet one-way delay: 4.665 ms

Loss rate: 0.00%

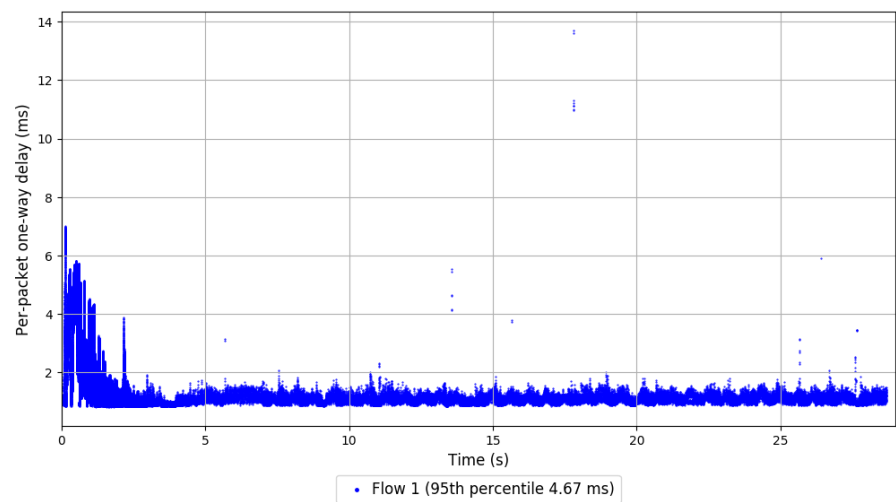
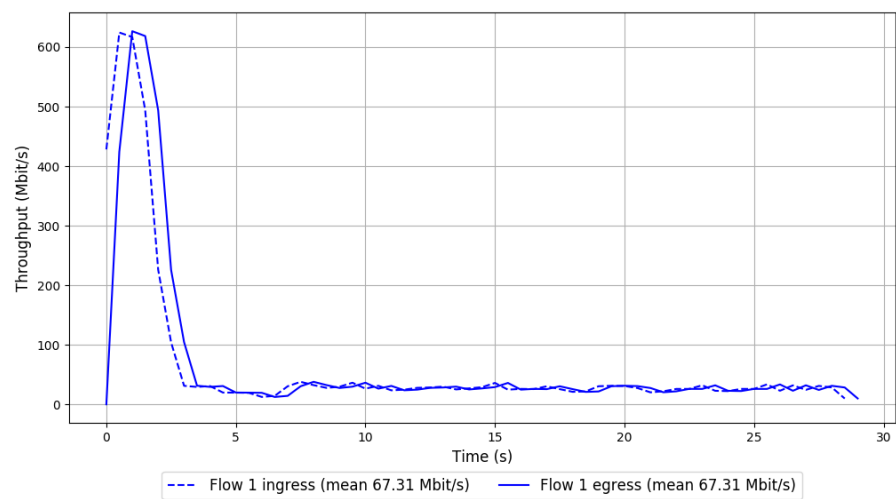
-- Flow 1:

Average throughput: 67.31 Mbit/s

95th percentile per-packet one-way delay: 4.665 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:32:17

End at: 2019-08-26 18:32:47

Local clock offset: -0.06 ms

Remote clock offset: 0.75 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 1.370 ms

Loss rate: 0.00%

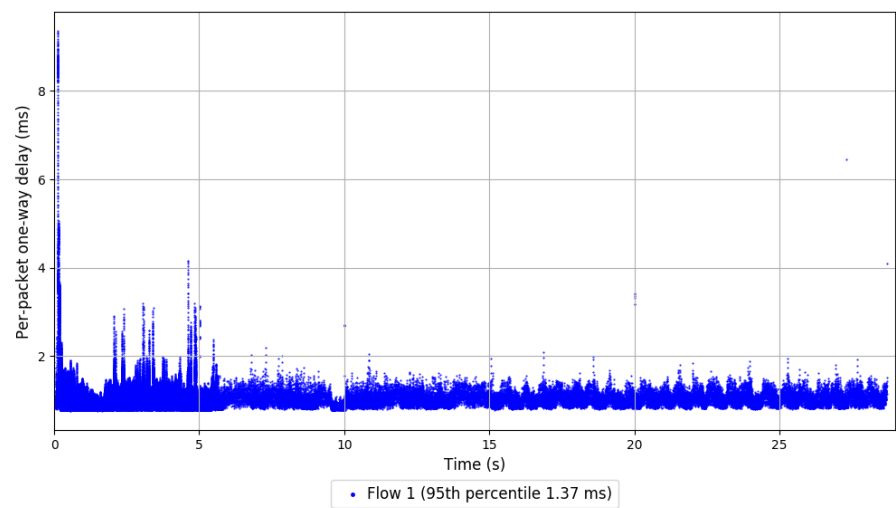
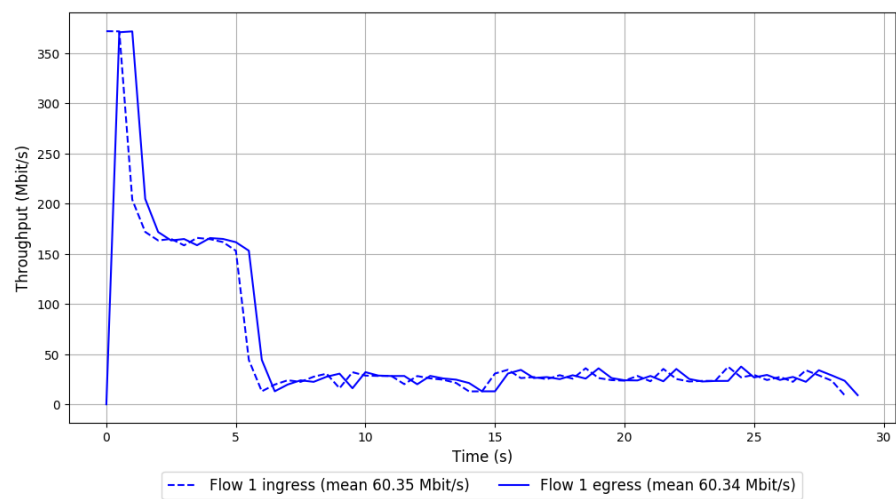
-- Flow 1:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 1.370 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:04:41

End at: 2019-08-26 19:05:12

Local clock offset: -1.486 ms

Remote clock offset: 2.359 ms

Below is generated by plot.py at 2019-08-26 20:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 1.490 ms

Loss rate: 0.00%

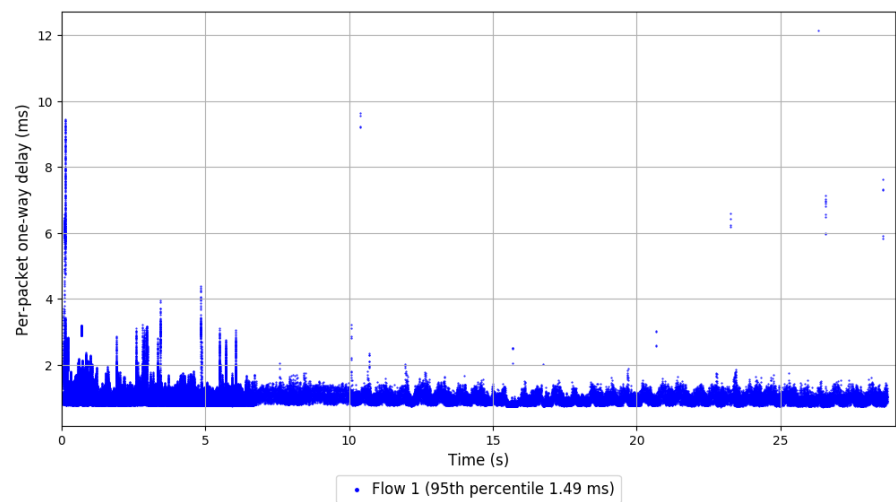
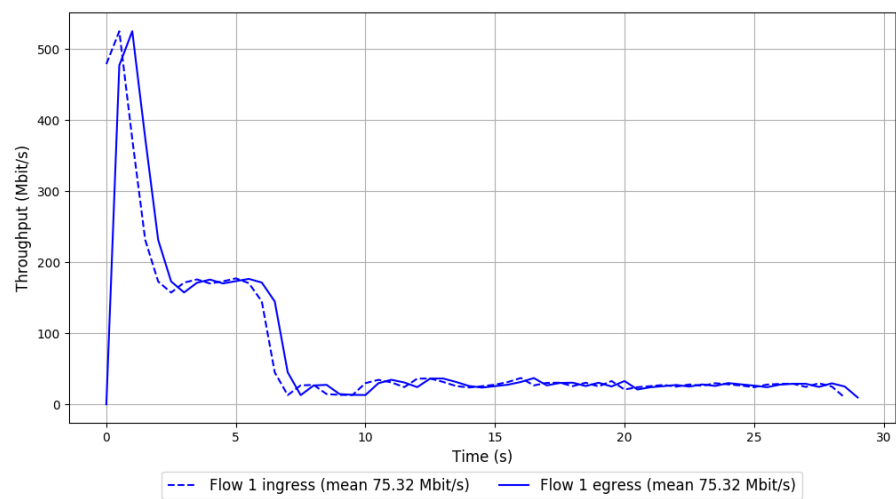
-- Flow 1:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 1.490 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

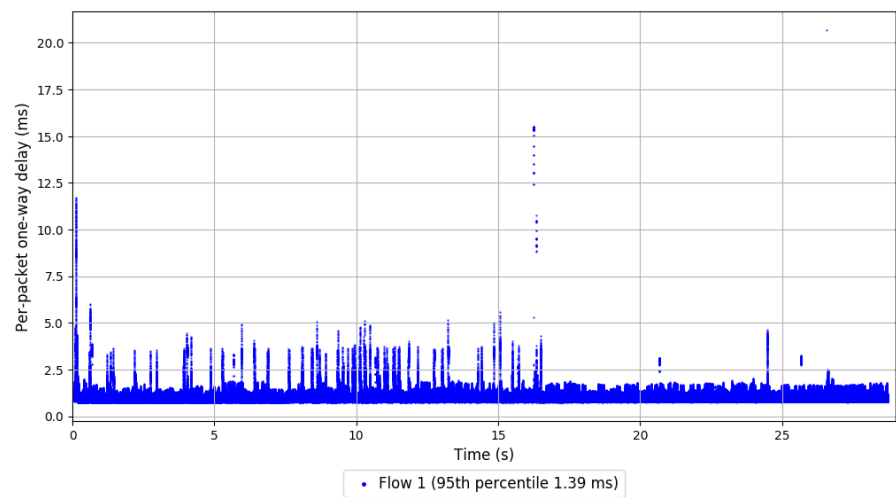
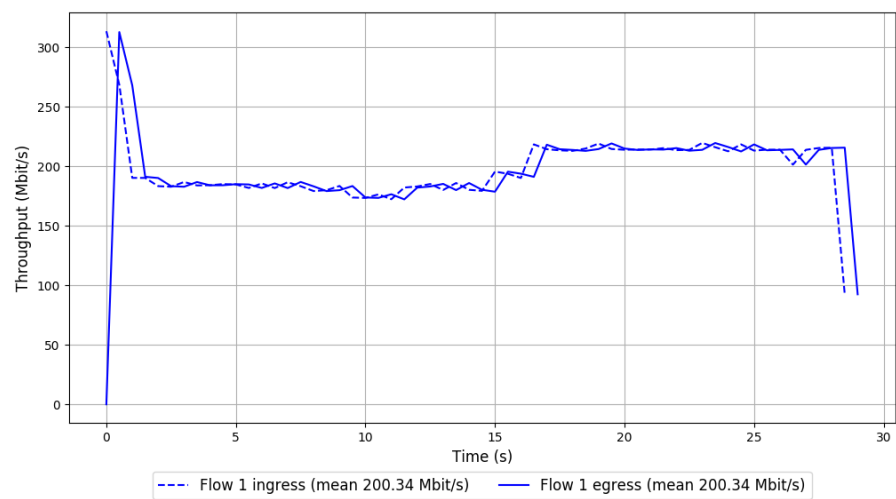


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:36:41
End at: 2019-08-26 19:37:11
Local clock offset: -1.417 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2019-08-26 20:53:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.34 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.34 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

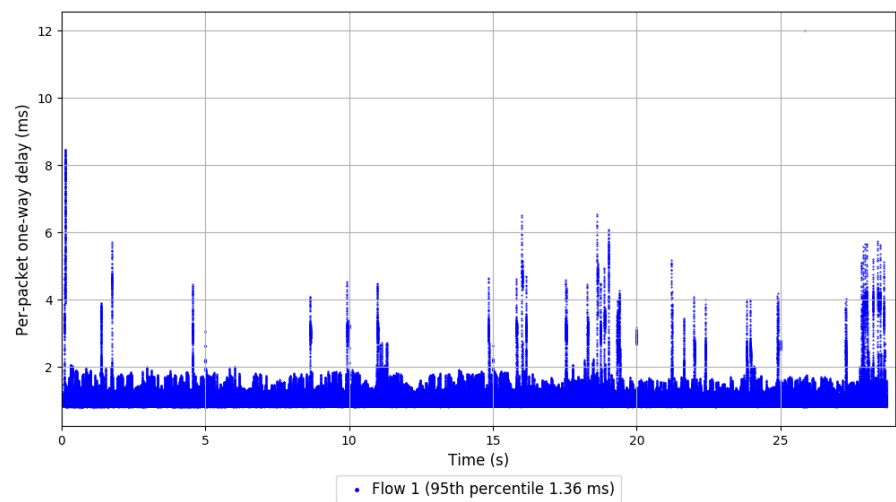
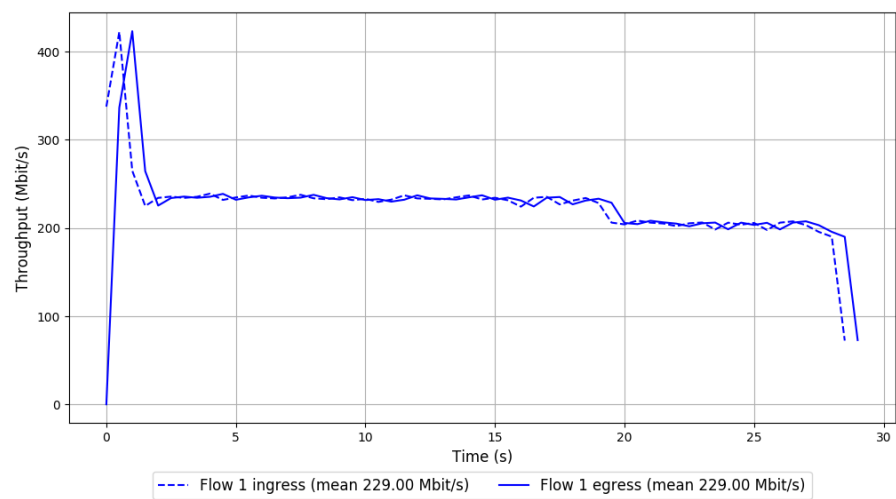


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-26 20:08:55
End at: 2019-08-26 20:09:25
Local clock offset: -1.519 ms
Remote clock offset: -1.957 ms

Below is generated by plot.py at 2019-08-26 20:54:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.00 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.00 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 17:42:24

End at: 2019-08-26 17:42:54

Local clock offset: -0.861 ms

Remote clock offset: 1.868 ms

Below is generated by plot.py at 2019-08-26 20:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 1.474 ms

Loss rate: 0.00%

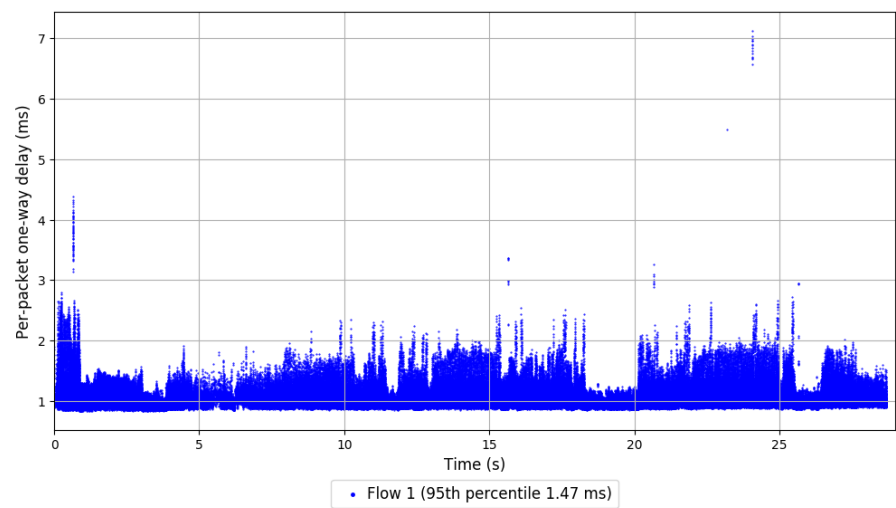
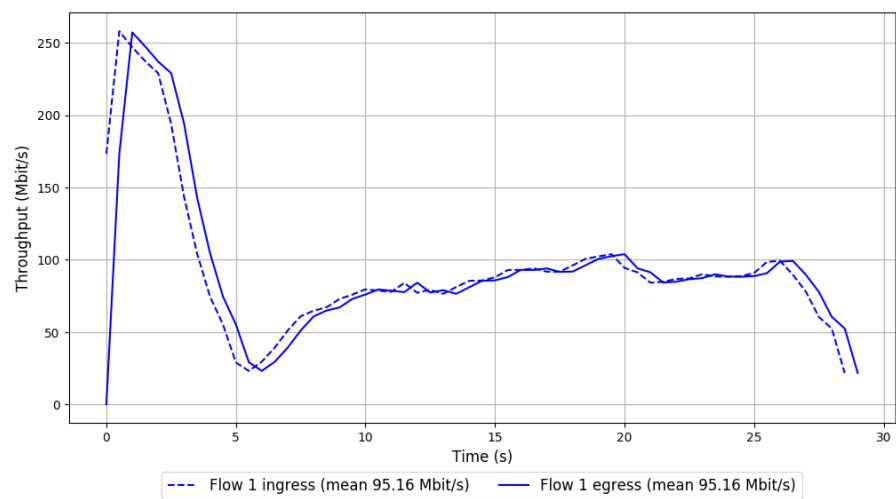
-- Flow 1:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 1.474 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:14:52

End at: 2019-08-26 18:15:22

Local clock offset: -0.155 ms

Remote clock offset: 2.698 ms

Below is generated by plot.py at 2019-08-26 20:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 1.420 ms

Loss rate: 0.00%

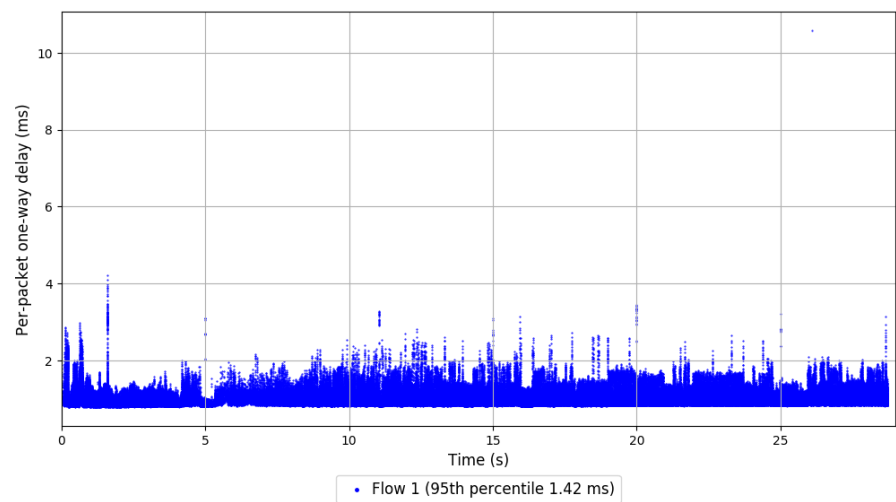
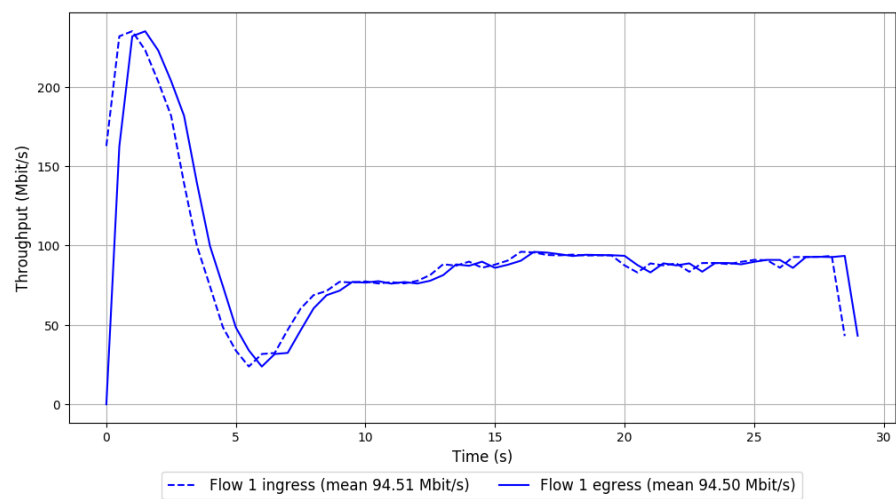
-- Flow 1:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 1.420 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:47:18

End at: 2019-08-26 18:47:48

Local clock offset: -0.62 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2019-08-26 20:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.05 Mbit/s

95th percentile per-packet one-way delay: 1.322 ms

Loss rate: 0.00%

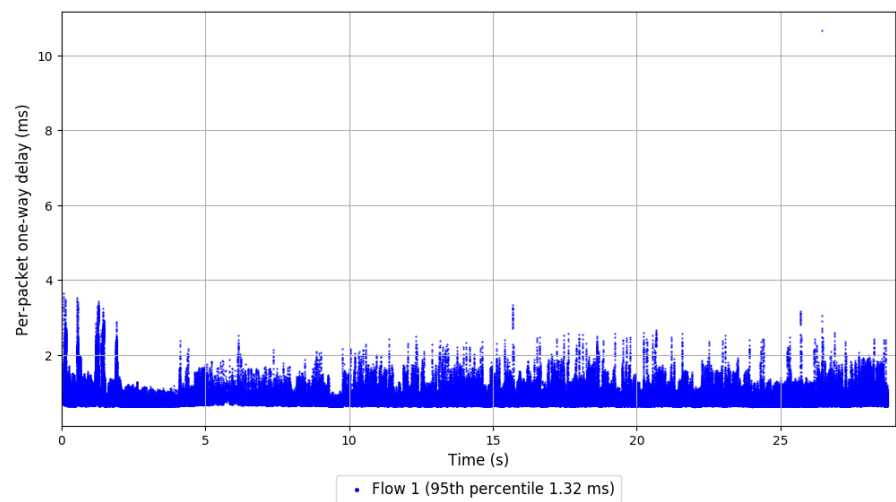
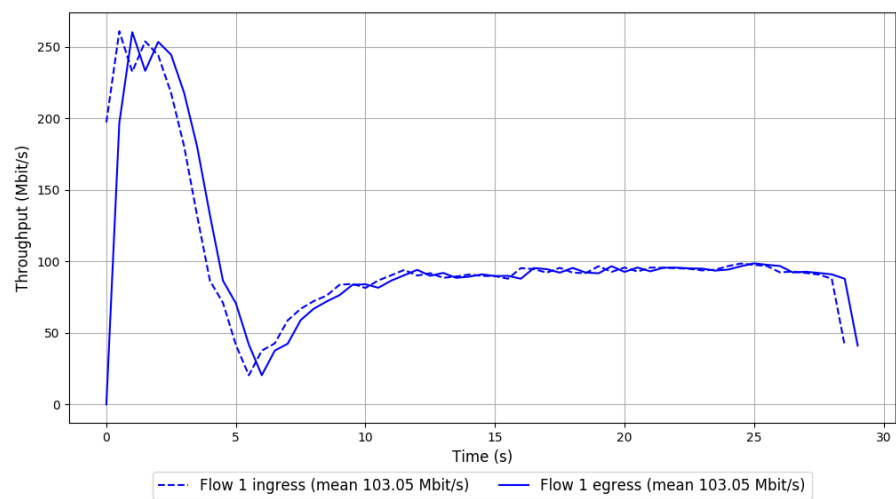
-- Flow 1:

Average throughput: 103.05 Mbit/s

95th percentile per-packet one-way delay: 1.322 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:19:22

End at: 2019-08-26 19:19:52

Local clock offset: -1.269 ms

Remote clock offset: 2.939 ms

Below is generated by plot.py at 2019-08-26 20:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.64 Mbit/s

95th percentile per-packet one-way delay: 1.294 ms

Loss rate: 0.01%

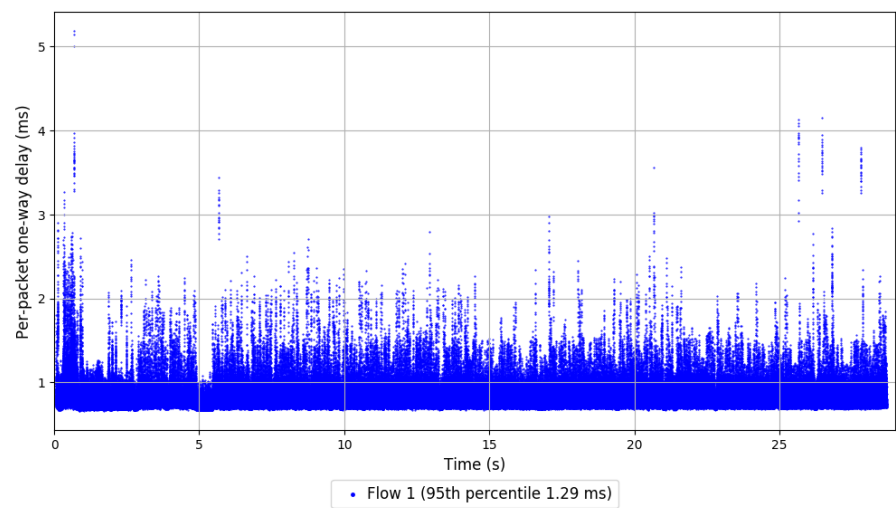
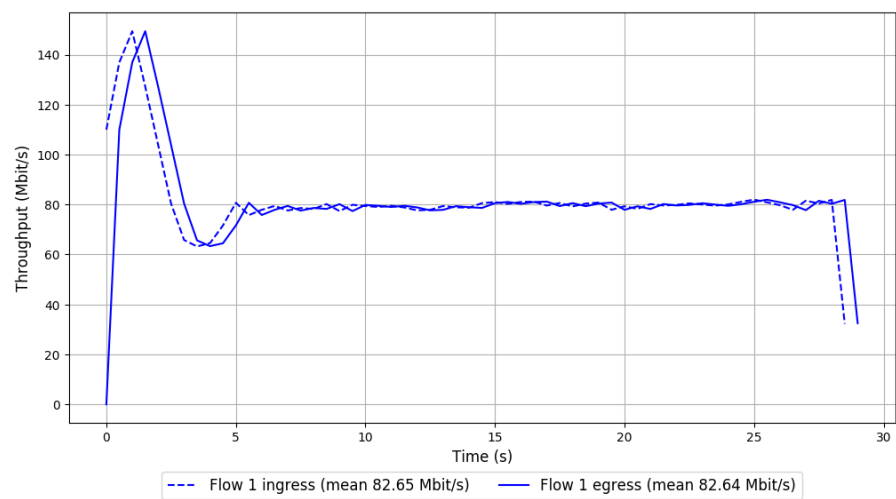
-- Flow 1:

Average throughput: 82.64 Mbit/s

95th percentile per-packet one-way delay: 1.294 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:51:34

End at: 2019-08-26 19:52:04

Local clock offset: -1.403 ms

Remote clock offset: -1.083 ms

Below is generated by plot.py at 2019-08-26 20:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.71 Mbit/s

95th percentile per-packet one-way delay: 1.291 ms

Loss rate: 0.00%

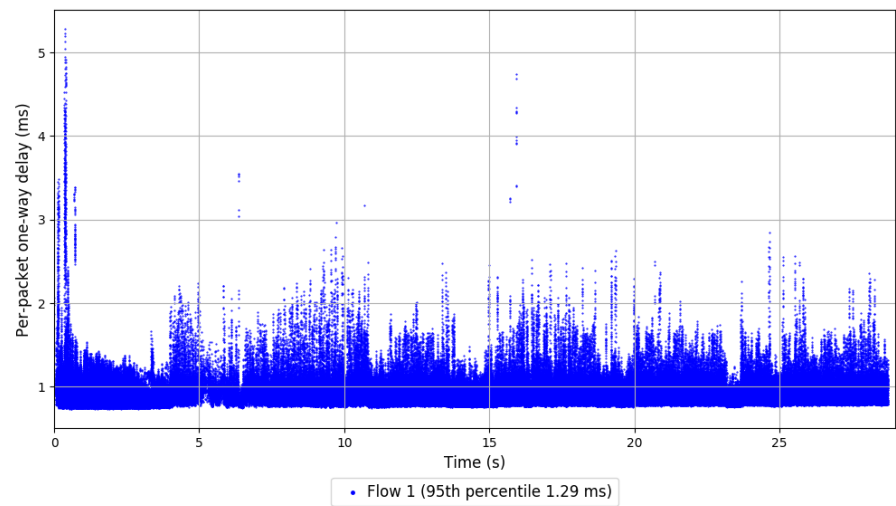
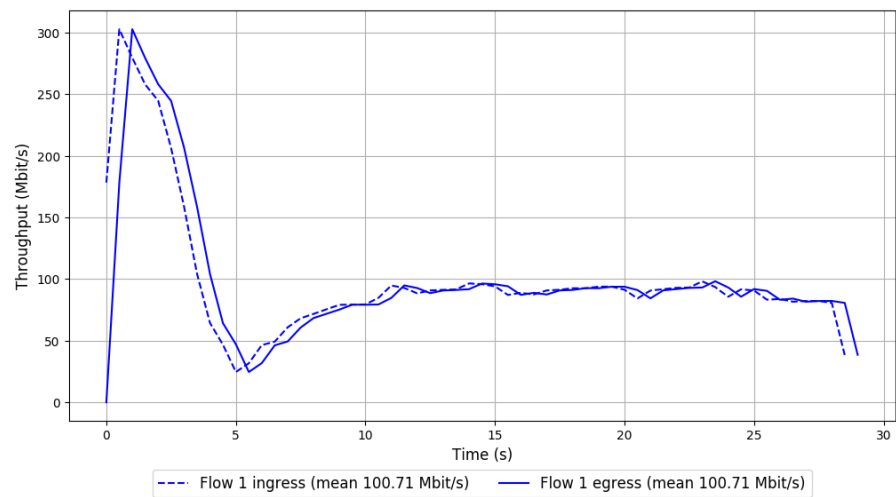
-- Flow 1:

Average throughput: 100.71 Mbit/s

95th percentile per-packet one-way delay: 1.291 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 17:39:40

End at: 2019-08-26 17:40:10

Local clock offset: -1.036 ms

Remote clock offset: 1.85 ms

Below is generated by plot.py at 2019-08-26 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.35 Mbit/s

95th percentile per-packet one-way delay: 1.440 ms

Loss rate: 0.00%

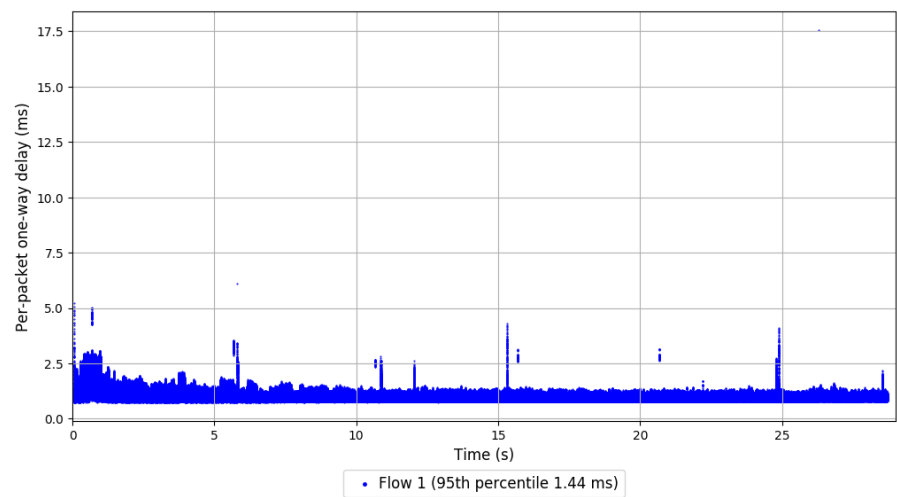
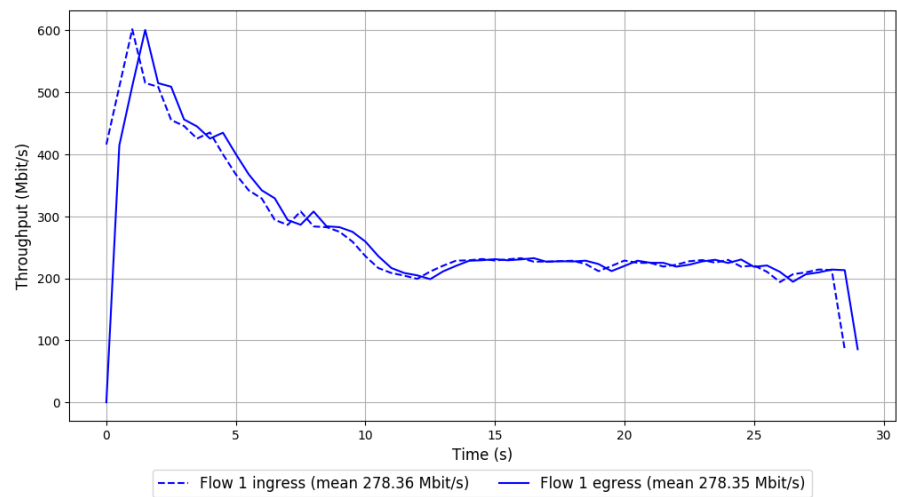
-- Flow 1:

Average throughput: 278.35 Mbit/s

95th percentile per-packet one-way delay: 1.440 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:12:12

End at: 2019-08-26 18:12:42

Local clock offset: -0.287 ms

Remote clock offset: 2.692 ms

Below is generated by plot.py at 2019-08-26 20:56:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.42 Mbit/s

95th percentile per-packet one-way delay: 1.506 ms

Loss rate: 0.00%

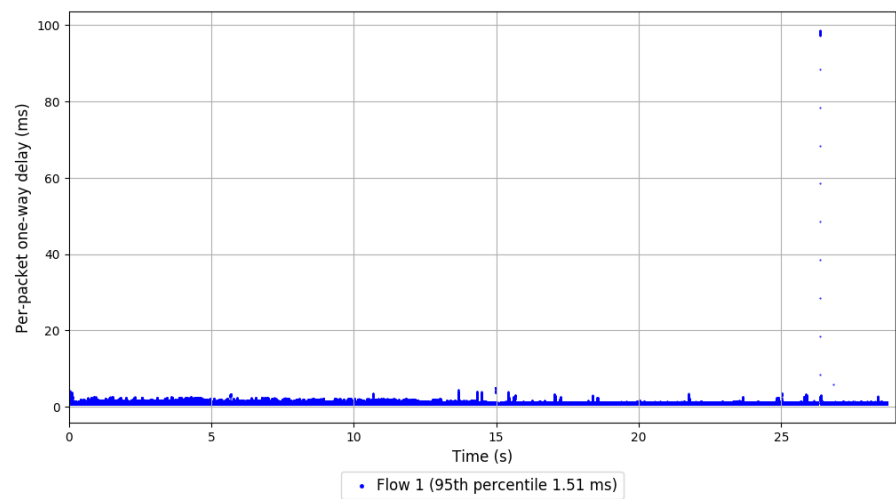
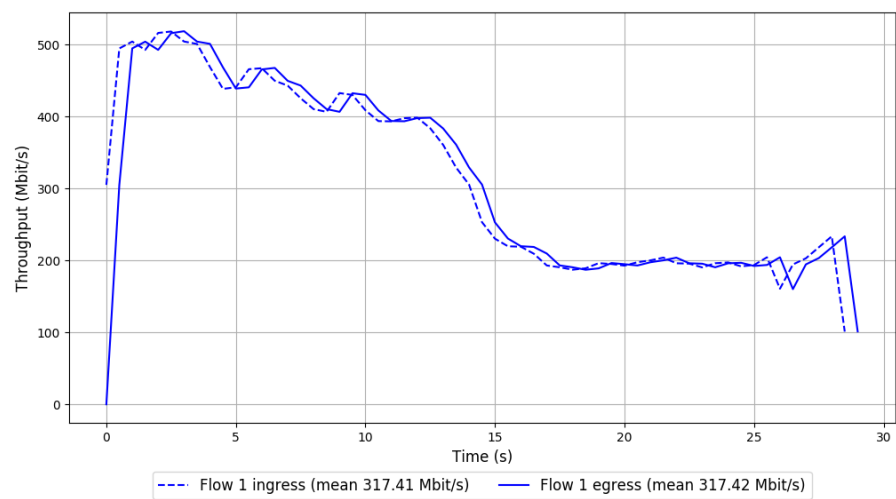
-- Flow 1:

Average throughput: 317.42 Mbit/s

95th percentile per-packet one-way delay: 1.506 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:44:31

End at: 2019-08-26 18:45:01

Local clock offset: -0.486 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2019-08-26 20:56:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.51 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.00%

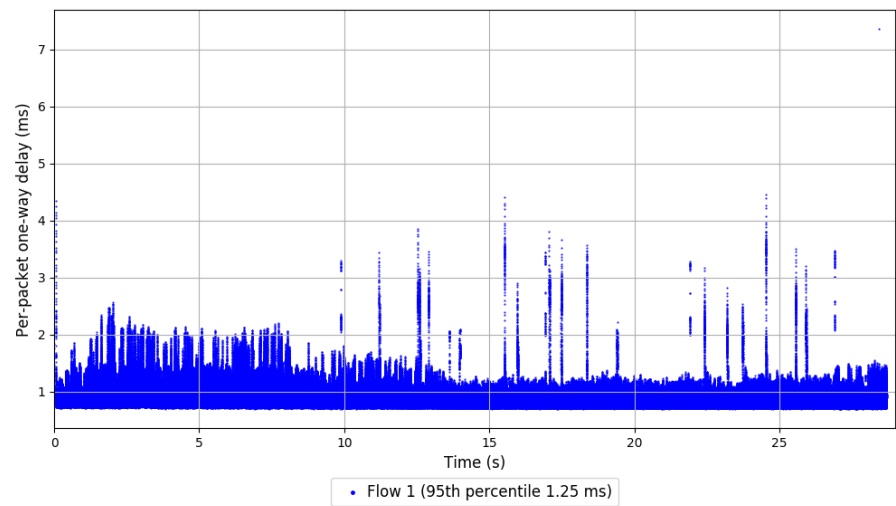
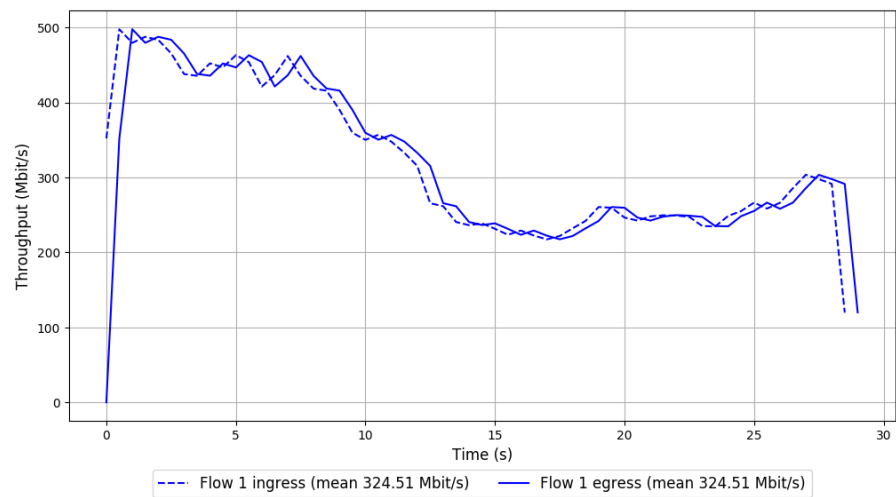
-- Flow 1:

Average throughput: 324.51 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:16:46

End at: 2019-08-26 19:17:16

Local clock offset: -1.333 ms

Remote clock offset: 2.993 ms

Below is generated by plot.py at 2019-08-26 20:56:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.96 Mbit/s

95th percentile per-packet one-way delay: 1.369 ms

Loss rate: 0.05%

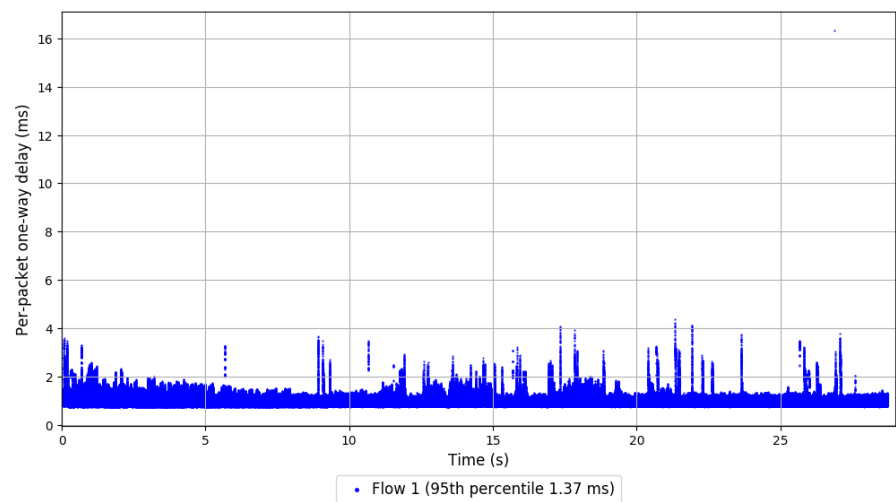
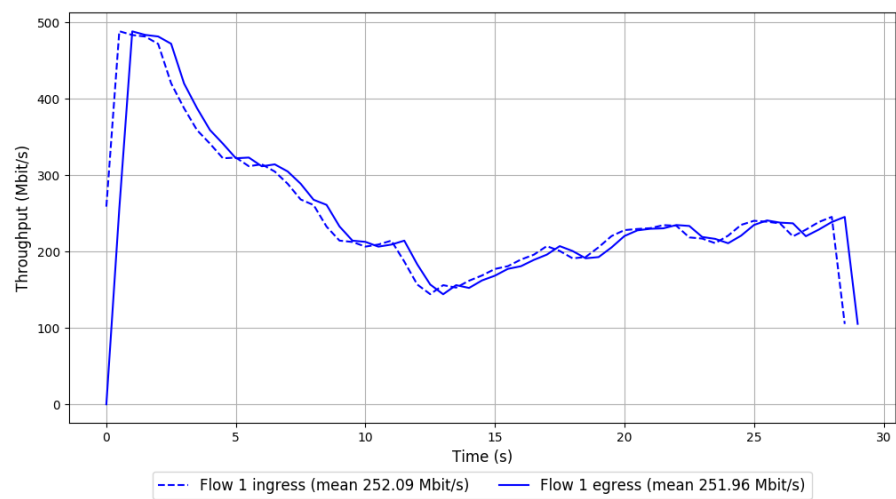
-- Flow 1:

Average throughput: 251.96 Mbit/s

95th percentile per-packet one-way delay: 1.369 ms

Loss rate: 0.05%

Run 4: Report of Indigo-MusesT — Data Link

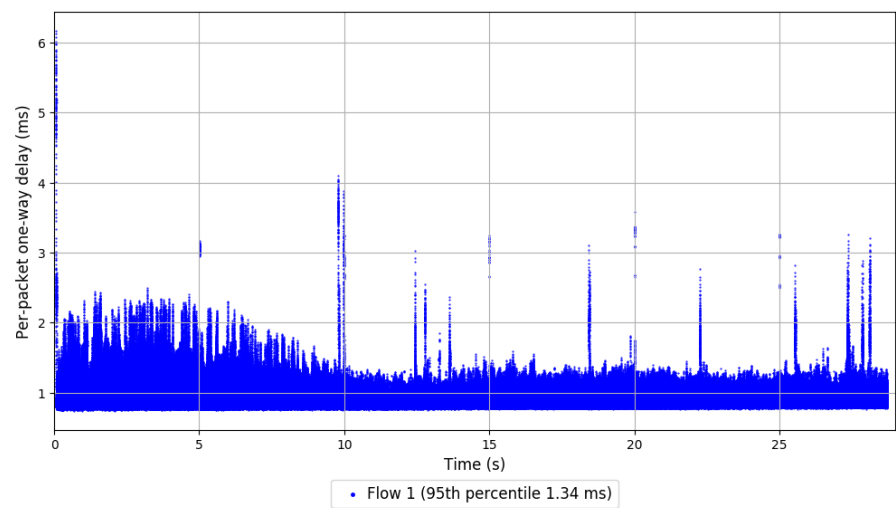
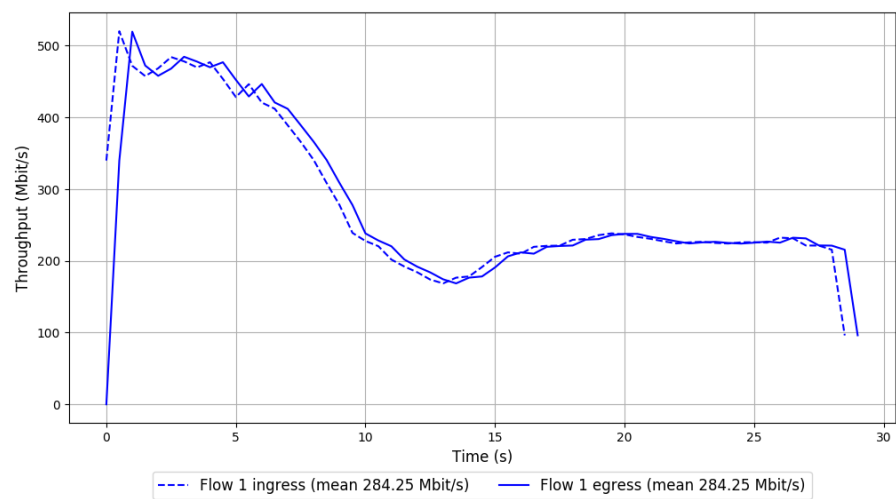


Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:48:48
End at: 2019-08-26 19:49:18
Local clock offset: -1.392 ms
Remote clock offset: -0.922 ms

Below is generated by plot.py at 2019-08-26 20:56:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.25 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 284.25 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-08-26 17:44:53

End at: 2019-08-26 17:45:23

Local clock offset: -0.708 ms

Remote clock offset: 1.814 ms

Below is generated by plot.py at 2019-08-26 21:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.74 Mbit/s

95th percentile per-packet one-way delay: 22.446 ms

Loss rate: 0.05%

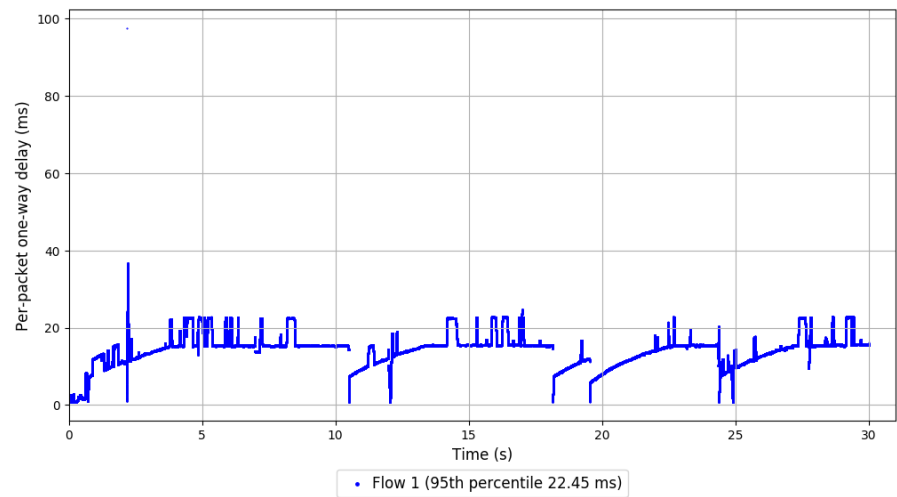
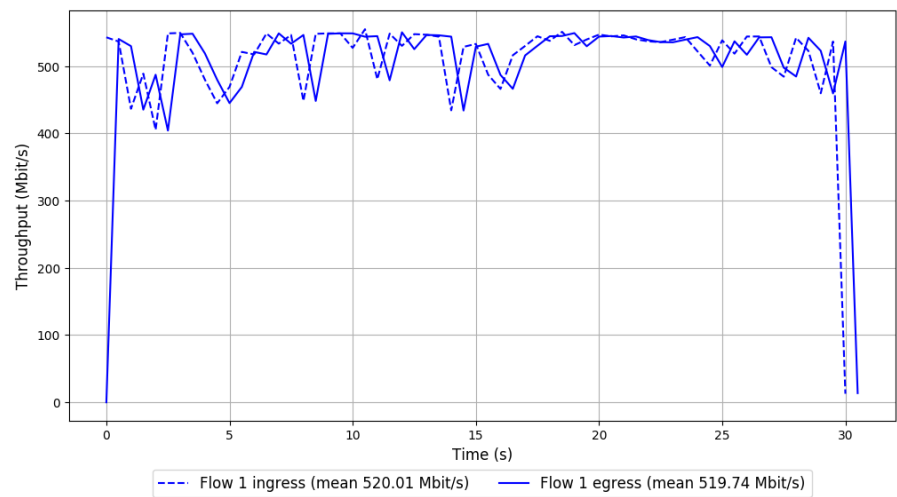
-- Flow 1:

Average throughput: 519.74 Mbit/s

95th percentile per-packet one-way delay: 22.446 ms

Loss rate: 0.05%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-26 18:17:21

End at: 2019-08-26 18:17:52

Local clock offset: -0.045 ms

Remote clock offset: 2.601 ms

Below is generated by plot.py at 2019-08-26 21:00:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.55 Mbit/s

95th percentile per-packet one-way delay: 15.948 ms

Loss rate: 0.06%

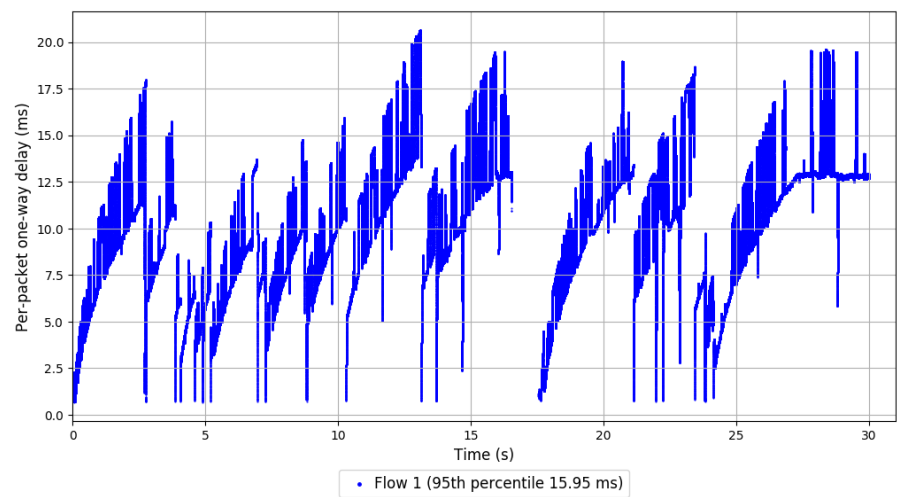
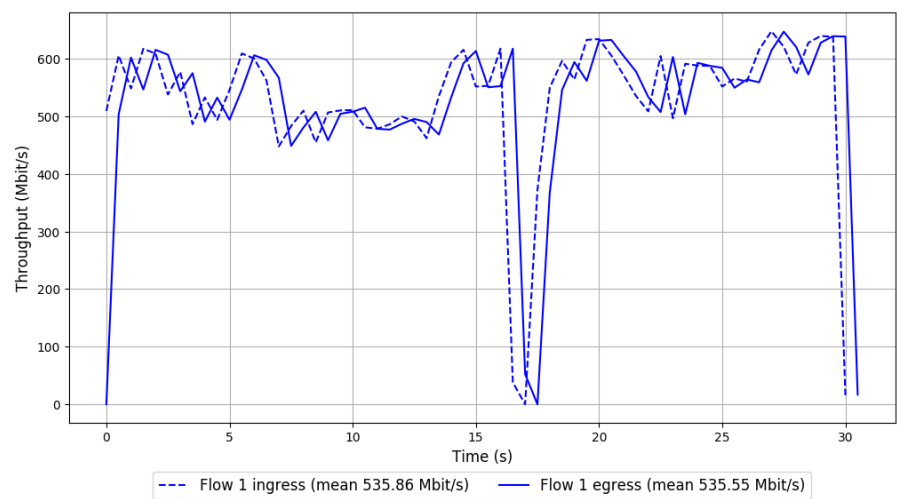
-- Flow 1:

Average throughput: 535.55 Mbit/s

95th percentile per-packet one-way delay: 15.948 ms

Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-26 18:49:47

End at: 2019-08-26 18:50:17

Local clock offset: -0.71 ms

Remote clock offset: 0.475 ms

Below is generated by plot.py at 2019-08-26 21:01:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 547.76 Mbit/s

95th percentile per-packet one-way delay: 18.961 ms

Loss rate: 0.03%

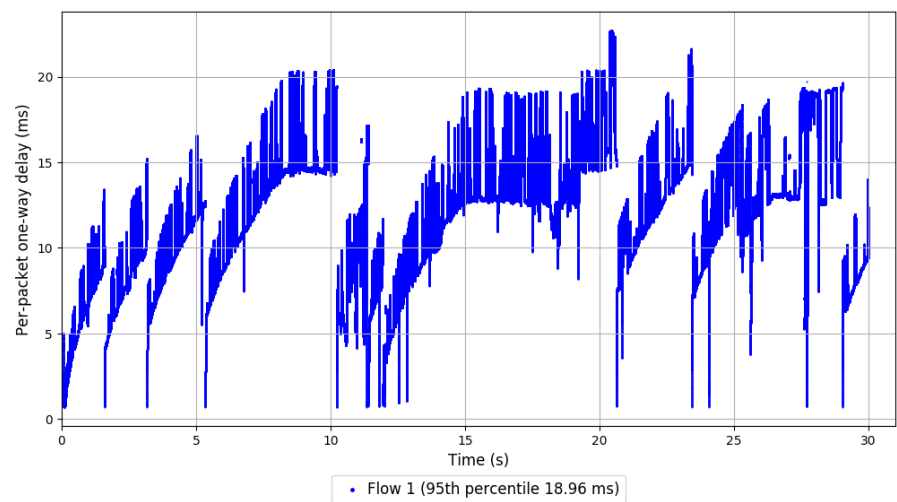
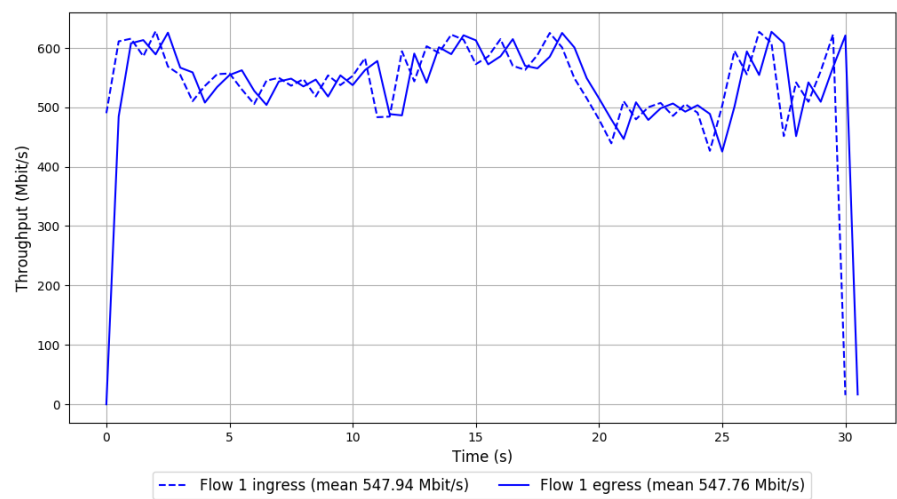
-- Flow 1:

Average throughput: 547.76 Mbit/s

95th percentile per-packet one-way delay: 18.961 ms

Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-26 19:21:51

End at: 2019-08-26 19:22:21

Local clock offset: -1.294 ms

Remote clock offset: 2.932 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.52 Mbit/s

95th percentile per-packet one-way delay: 19.367 ms

Loss rate: 0.05%

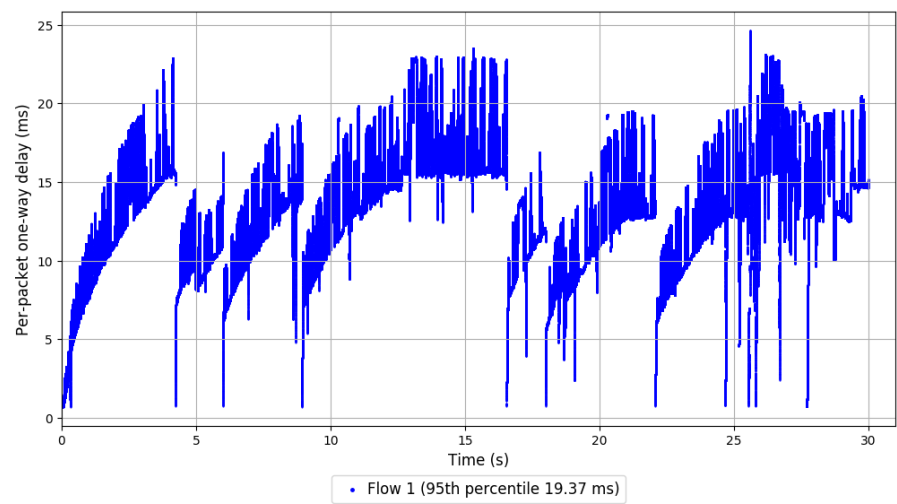
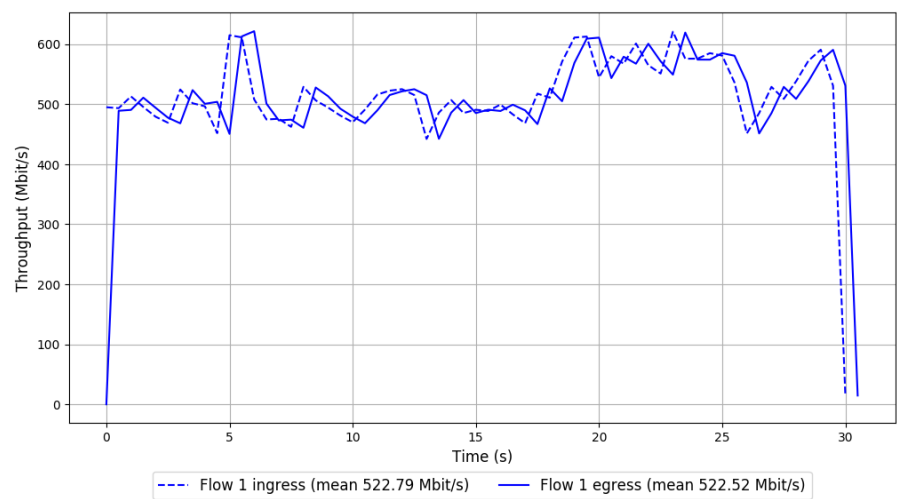
-- Flow 1:

Average throughput: 522.52 Mbit/s

95th percentile per-packet one-way delay: 19.367 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

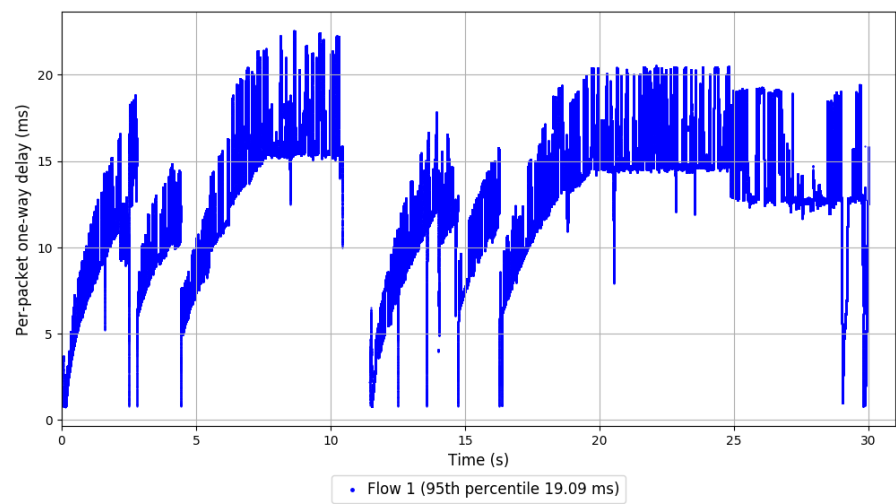
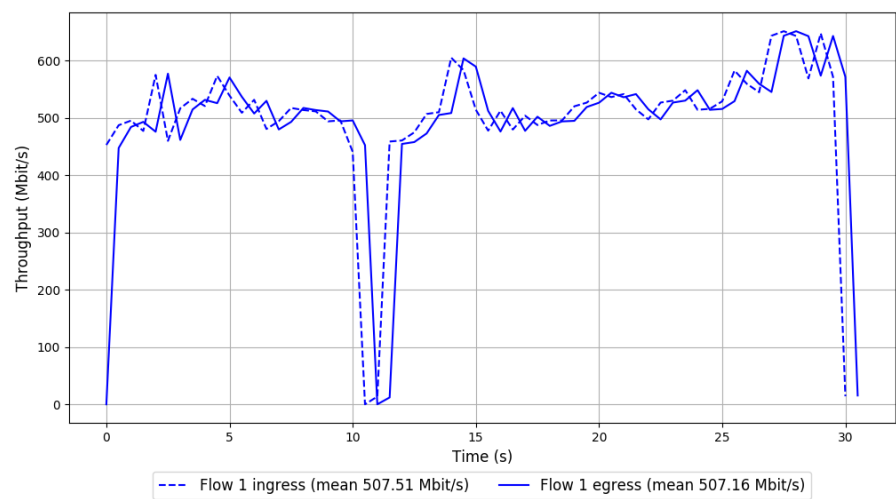


Run 5: Statistics of LEDBAT

Start at: 2019-08-26 19:54:03
End at: 2019-08-26 19:54:33
Local clock offset: -1.405 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2019-08-26 21:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 507.16 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 507.16 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

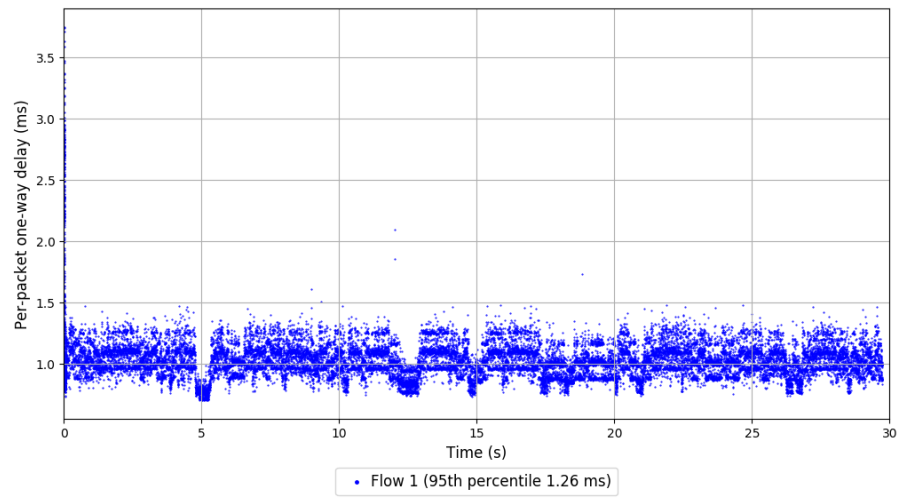
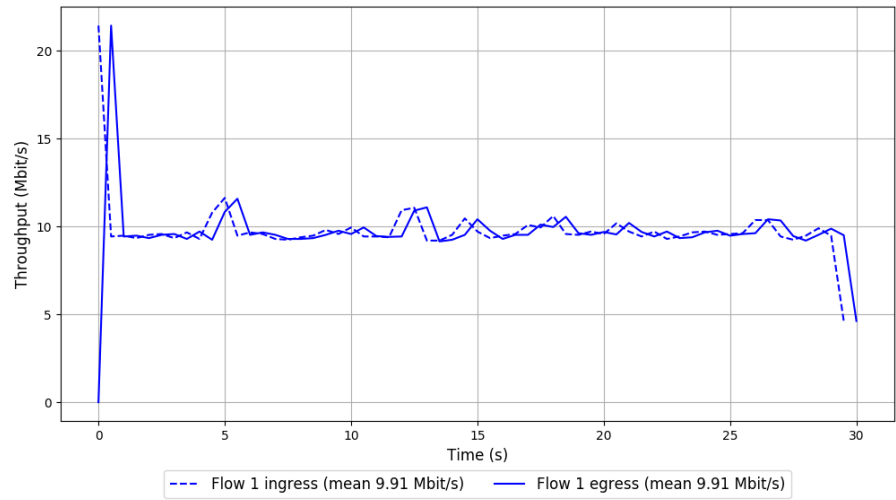


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 17:54:23
End at: 2019-08-26 17:54:53
Local clock offset: -0.632 ms
Remote clock offset: 2.614 ms

# Below is generated by plot.py at 2019-08-26 21:03:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:26:47

End at: 2019-08-26 18:27:17

Local clock offset: 0.055 ms

Remote clock offset: 1.182 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 1.338 ms

Loss rate: 0.00%

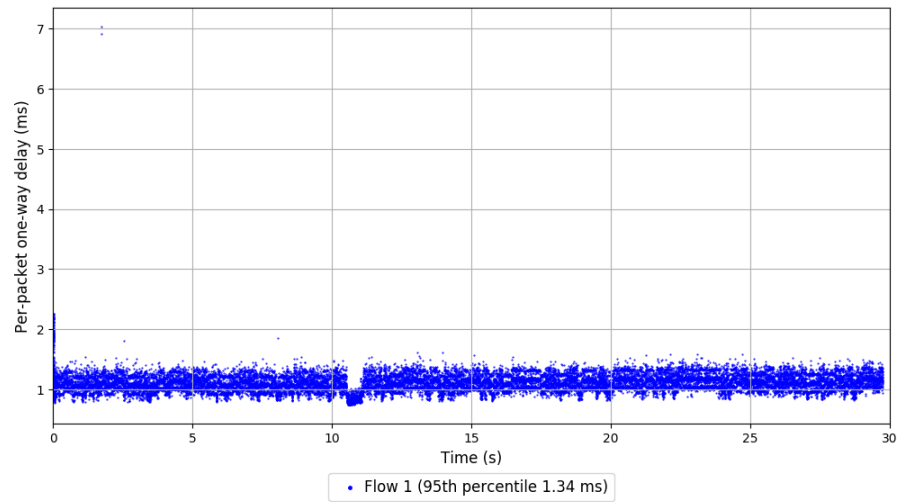
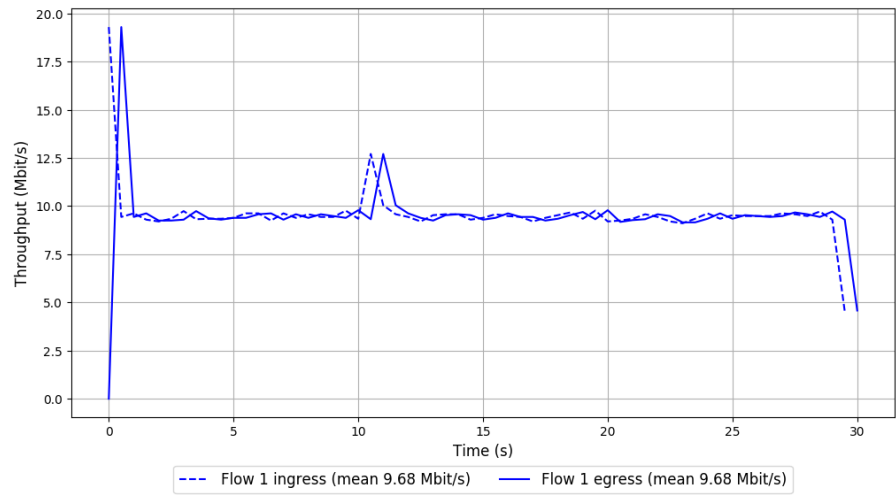
-- Flow 1:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 1.338 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:59:16

End at: 2019-08-26 18:59:46

Local clock offset: -1.199 ms

Remote clock offset: 1.621 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.66 Mbit/s

95th percentile per-packet one-way delay: 1.237 ms

Loss rate: 0.00%

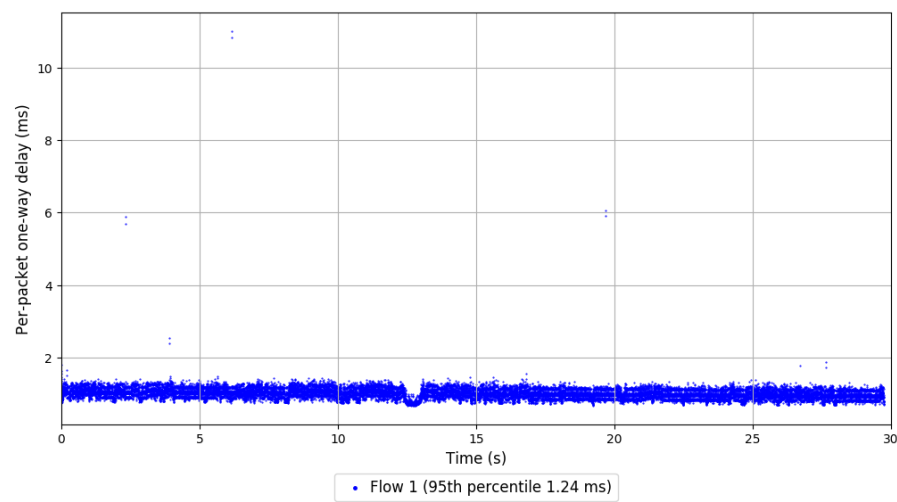
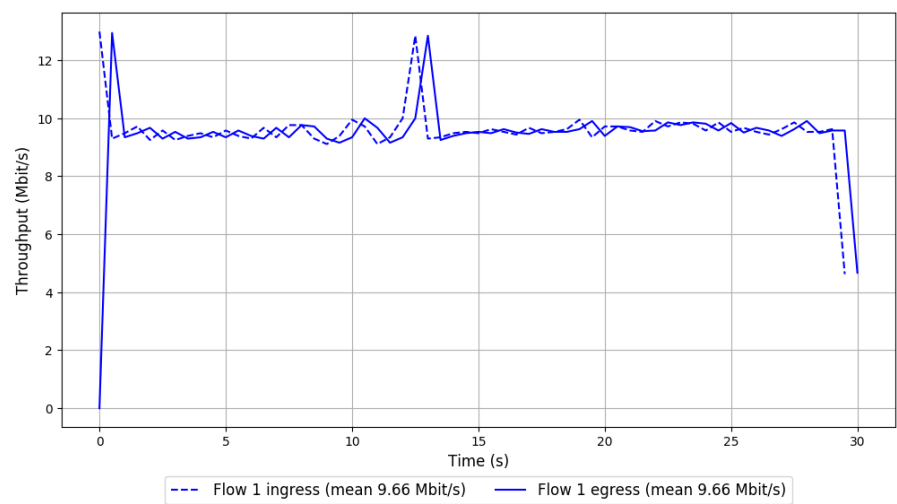
-- Flow 1:

Average throughput: 9.66 Mbit/s

95th percentile per-packet one-way delay: 1.237 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:31:19

End at: 2019-08-26 19:31:49

Local clock offset: -1.331 ms

Remote clock offset: 1.026 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 1.534 ms

Loss rate: 0.00%

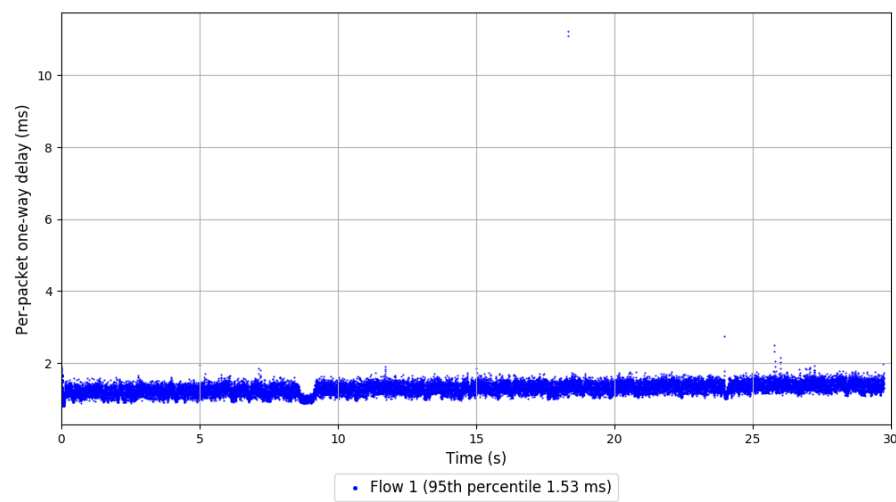
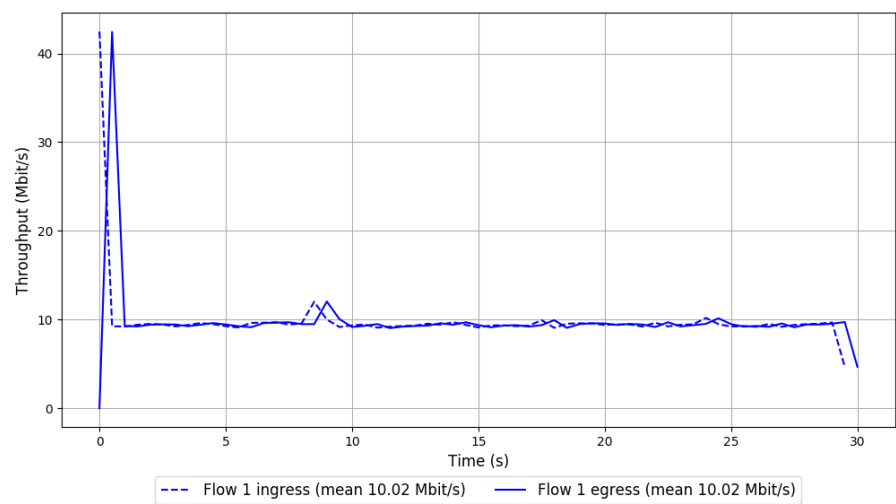
-- Flow 1:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 1.534 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link

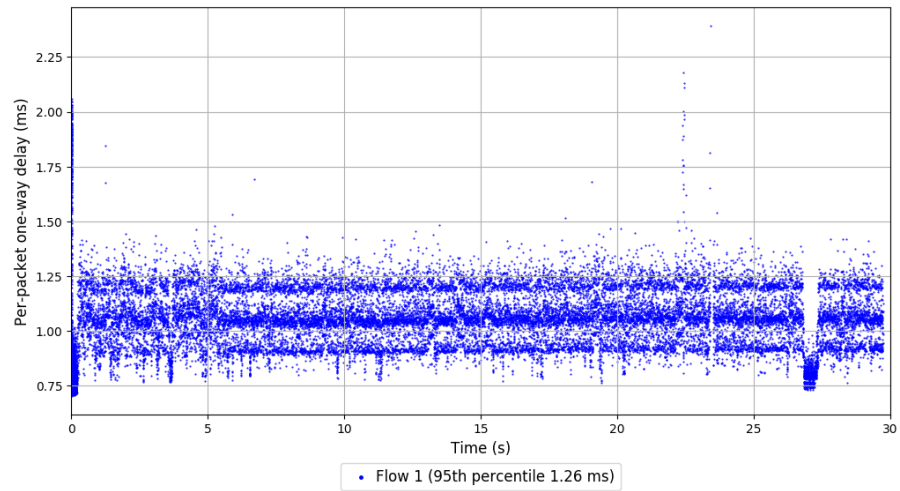
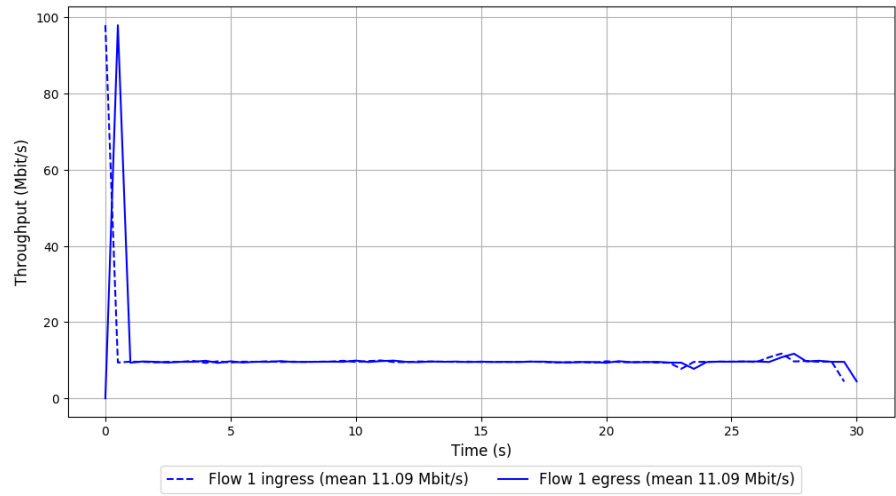


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-26 20:03:31
End at: 2019-08-26 20:04:01
Local clock offset: -1.436 ms
Remote clock offset: -1.774 ms

Below is generated by plot.py at 2019-08-26 21:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

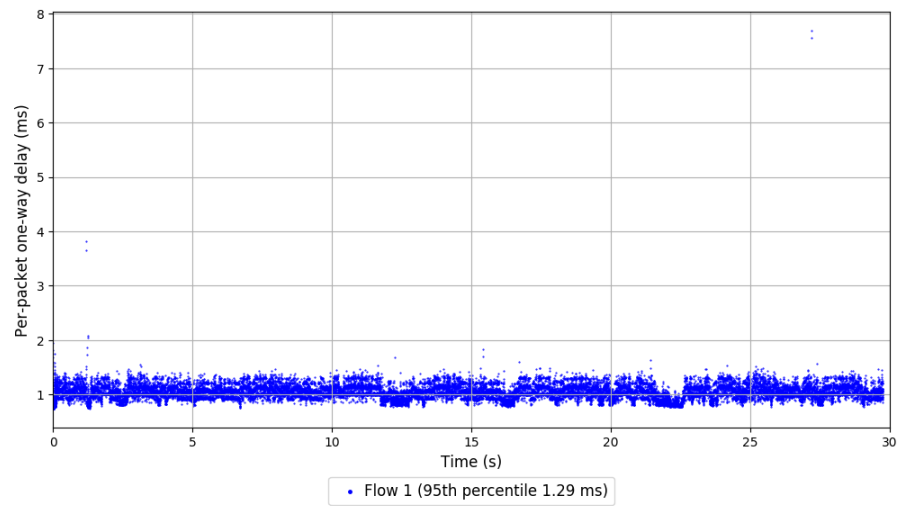
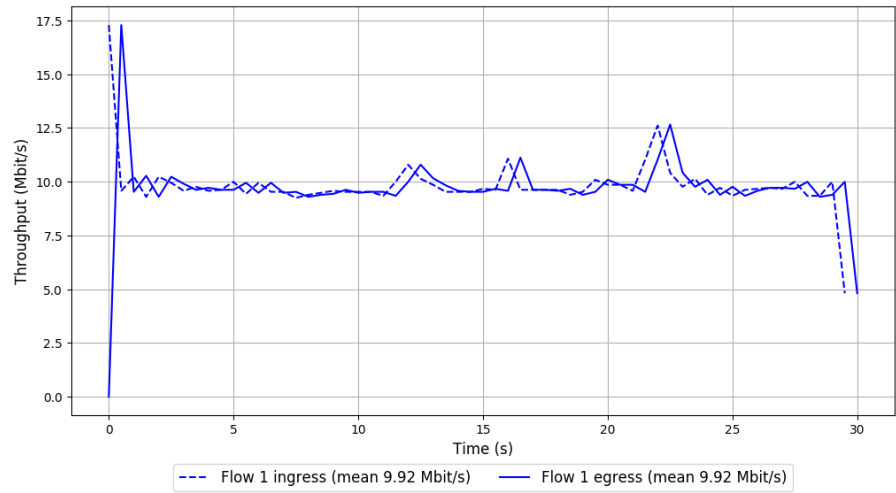



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 18:05:36
End at: 2019-08-26 18:06:06
Local clock offset: -0.327 ms
Remote clock offset: 2.66 ms

# Below is generated by plot.py at 2019-08-26 21:03:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:37:51

End at: 2019-08-26 18:38:21

Local clock offset: -0.264 ms

Remote clock offset: 0.549 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.01%

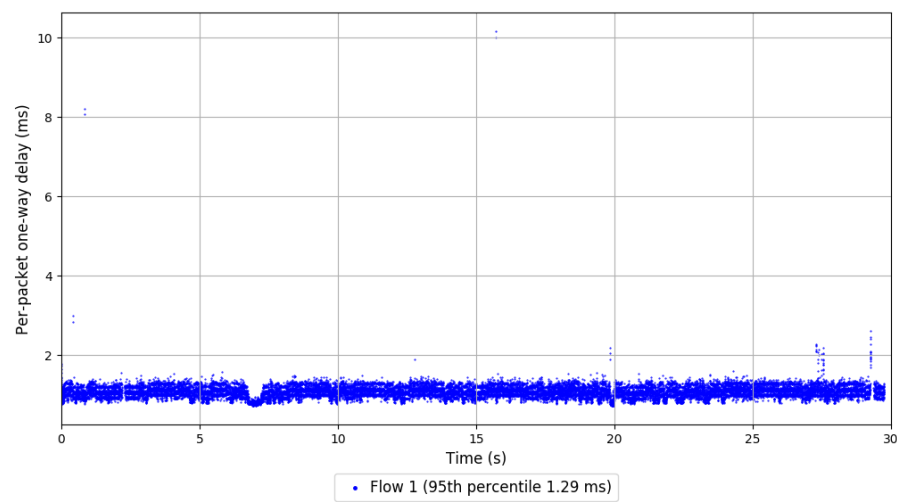
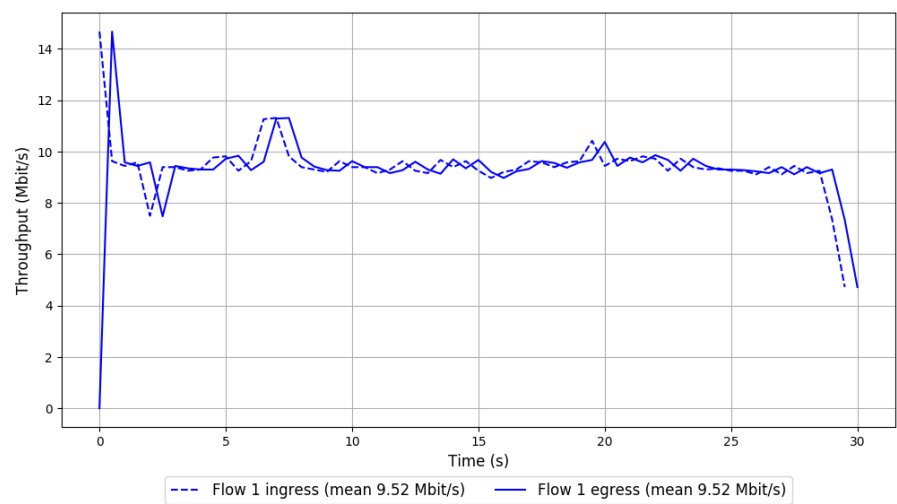
-- Flow 1:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:10:09

End at: 2019-08-26 19:10:39

Local clock offset: -1.513 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.00%

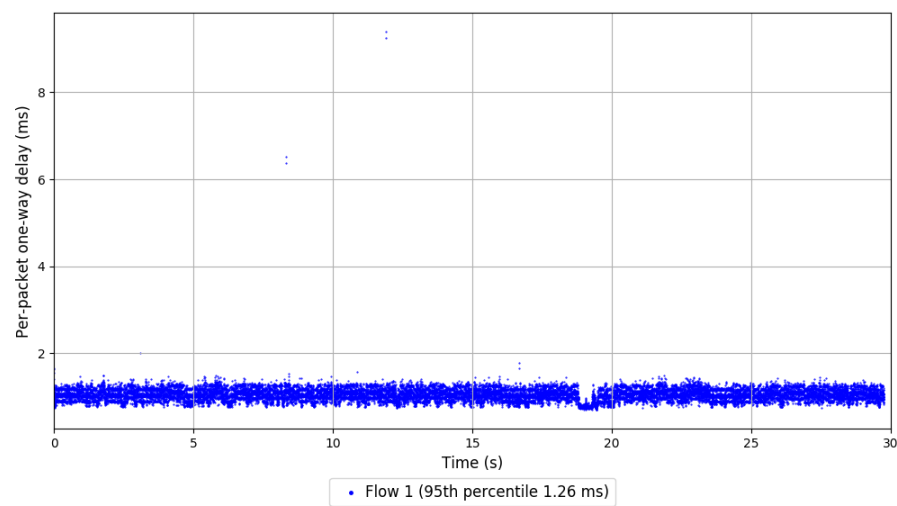
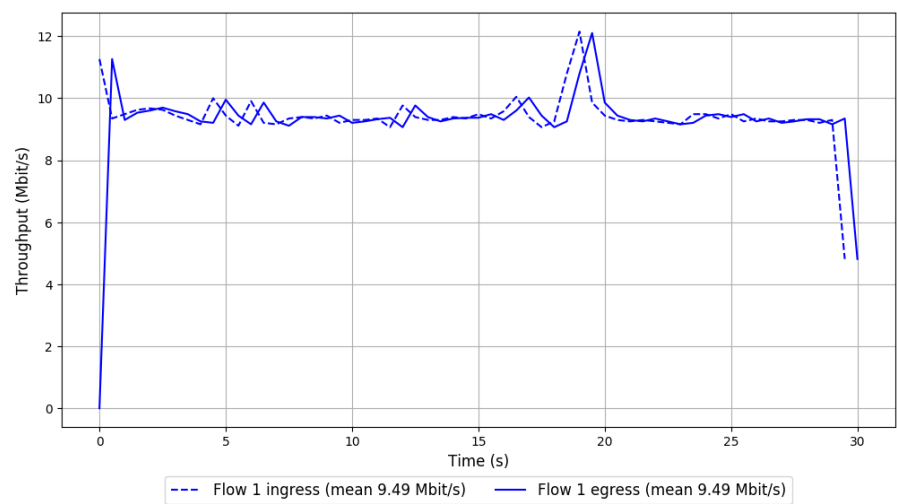
-- Flow 1:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

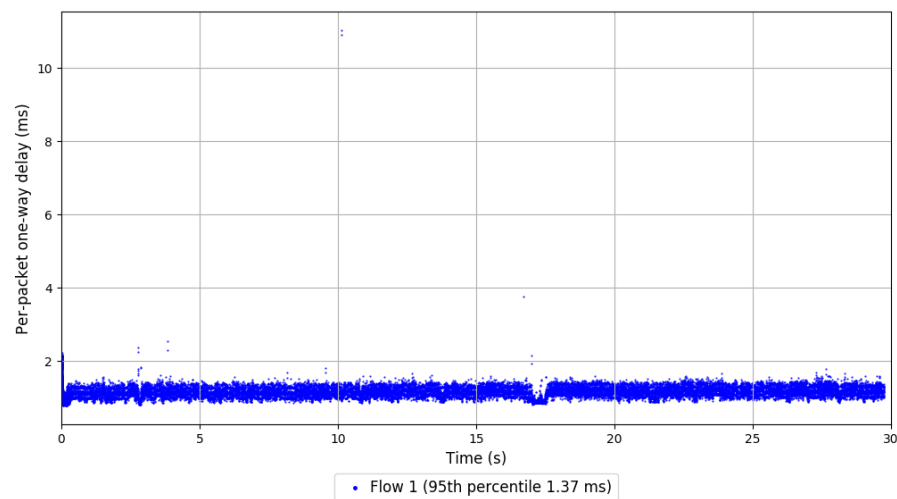
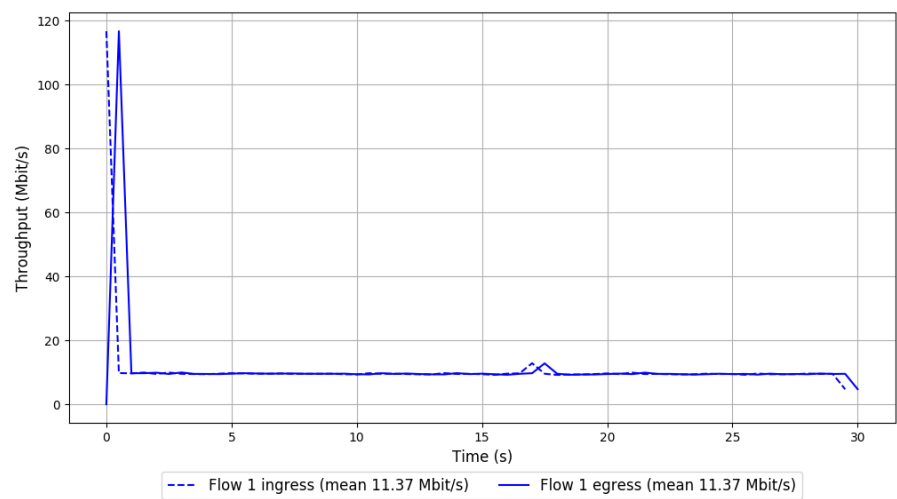


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:42:11
End at: 2019-08-26 19:42:41
Local clock offset: -1.438 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2019-08-26 21:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.37 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.37 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

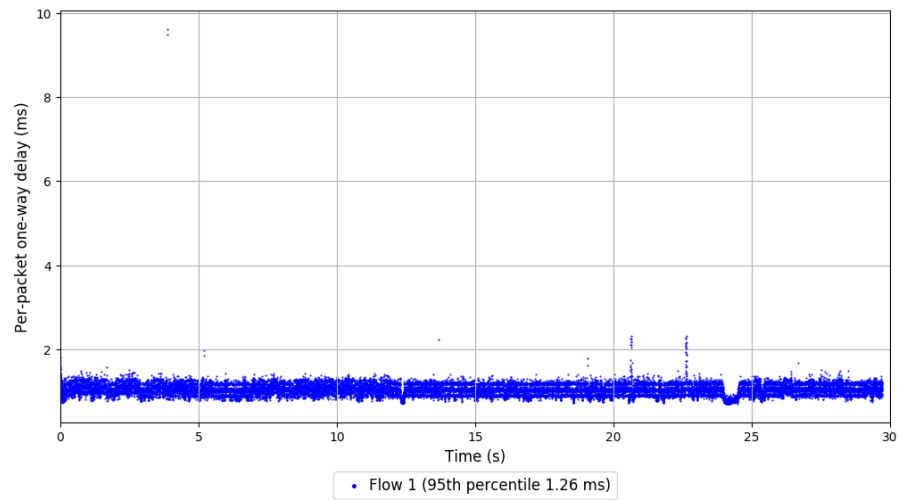
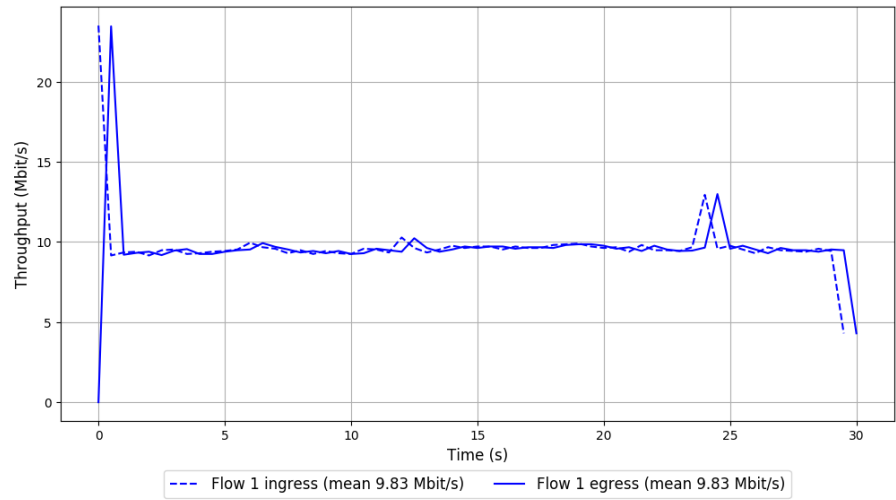


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 20:14:34
End at: 2019-08-26 20:15:04
Local clock offset: -1.671 ms
Remote clock offset: -2.162 ms

Below is generated by plot.py at 2019-08-26 21:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

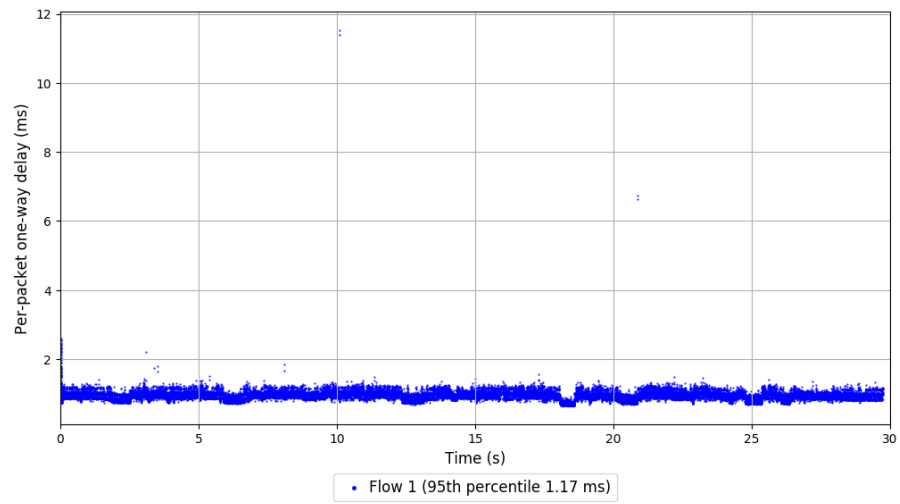
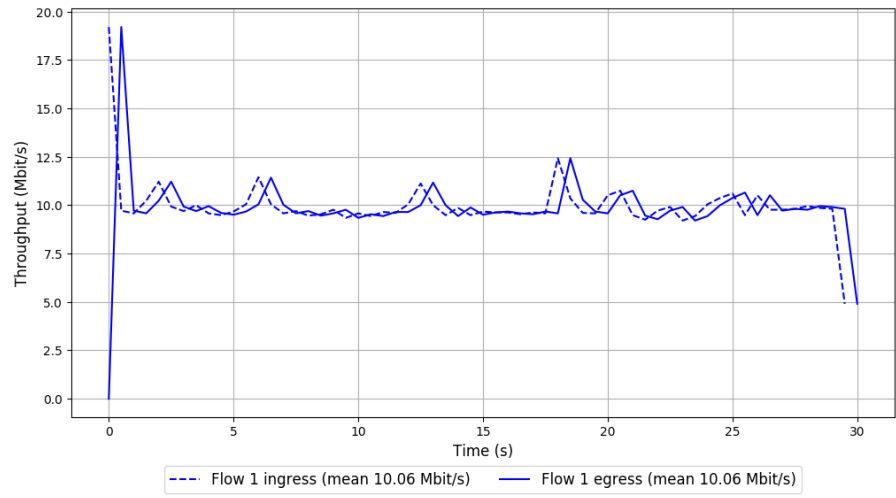


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 17:50:10
End at: 2019-08-26 17:50:40
Local clock offset: -0.601 ms
Remote clock offset: 2.299 ms

# Below is generated by plot.py at 2019-08-26 21:03:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:22:38

End at: 2019-08-26 18:23:08

Local clock offset: 0.046 ms

Remote clock offset: 1.805 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.00%

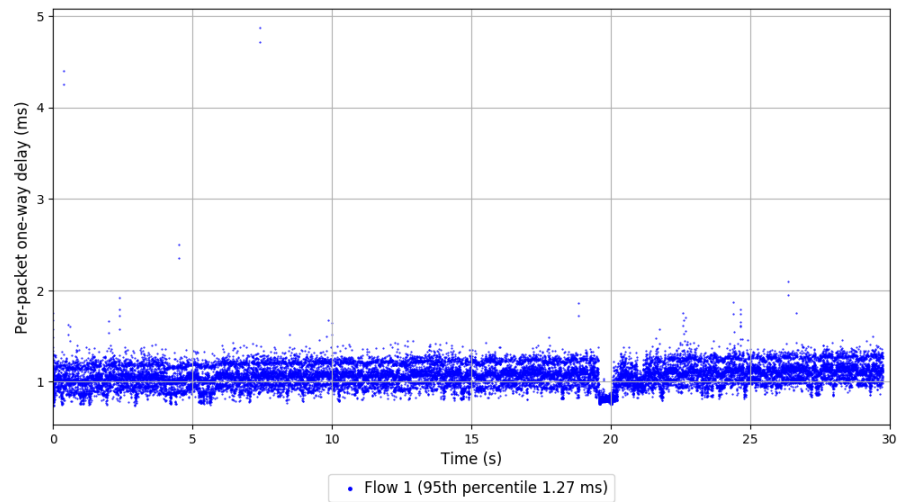
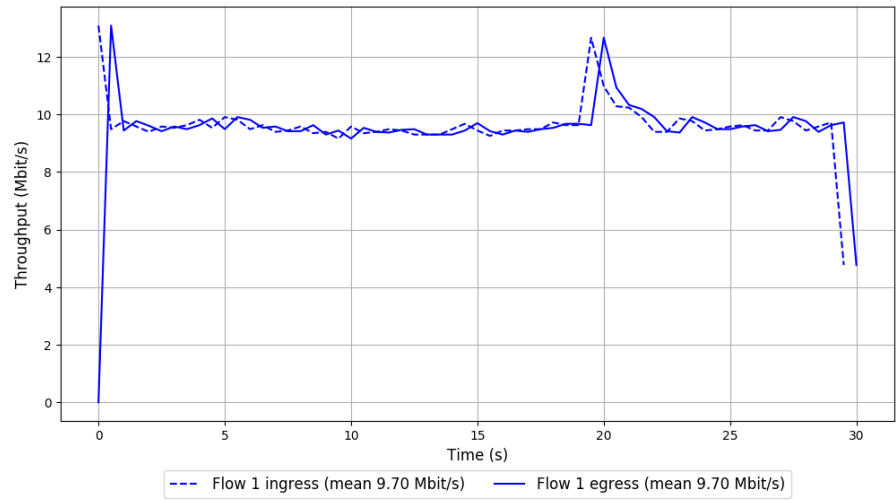
-- Flow 1:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:55:05

End at: 2019-08-26 18:55:35

Local clock offset: -0.986 ms

Remote clock offset: 0.726 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 0.00%

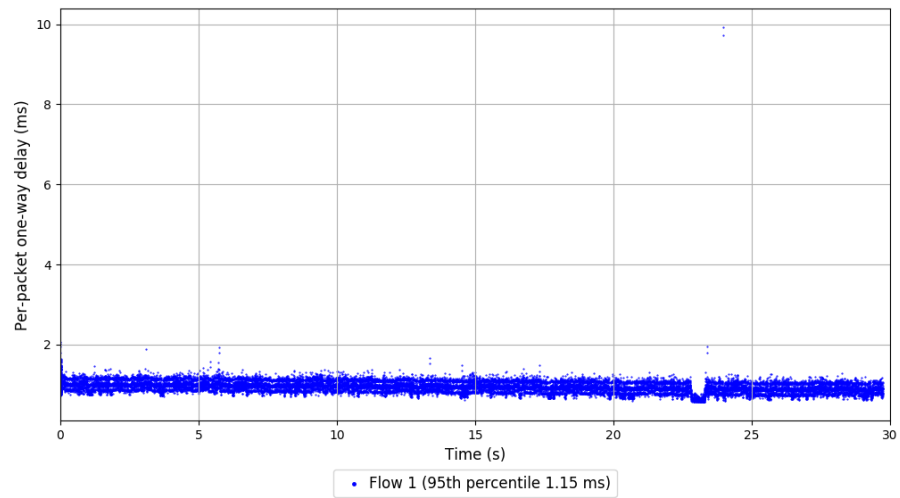
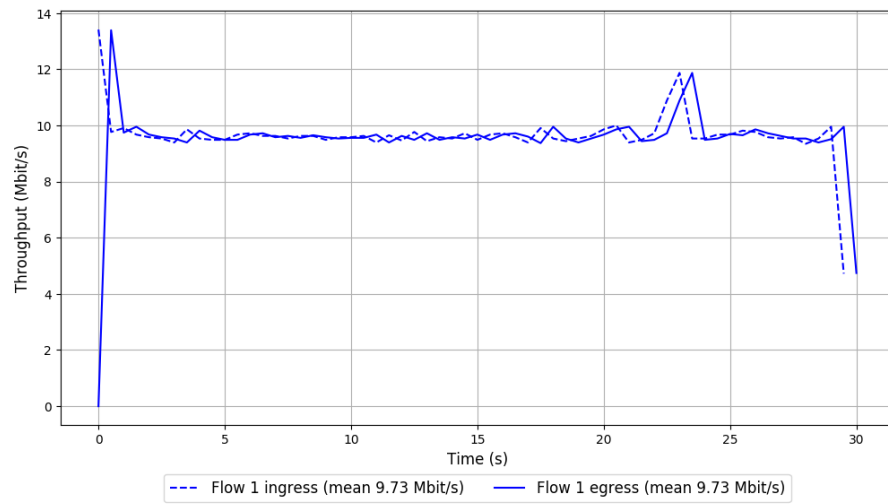
-- Flow 1:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:27:08

End at: 2019-08-26 19:27:38

Local clock offset: -1.295 ms

Remote clock offset: 2.817 ms

Below is generated by plot.py at 2019-08-26 21:03:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.01%

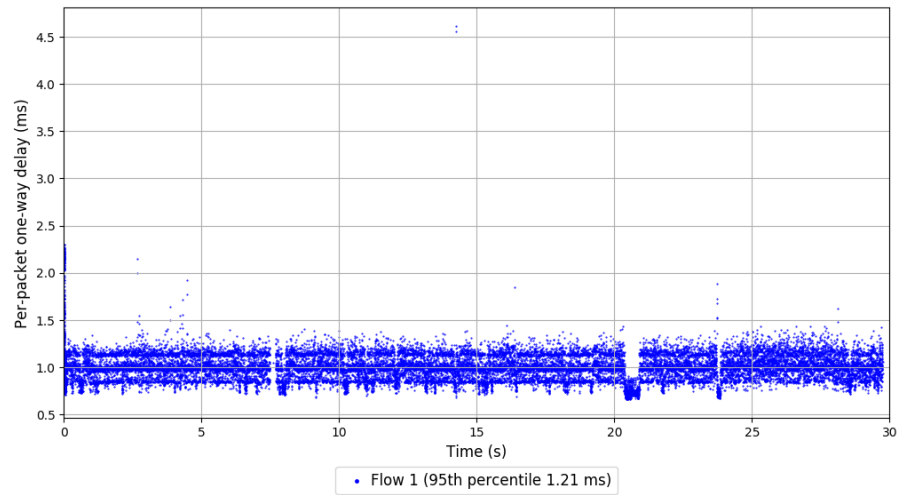
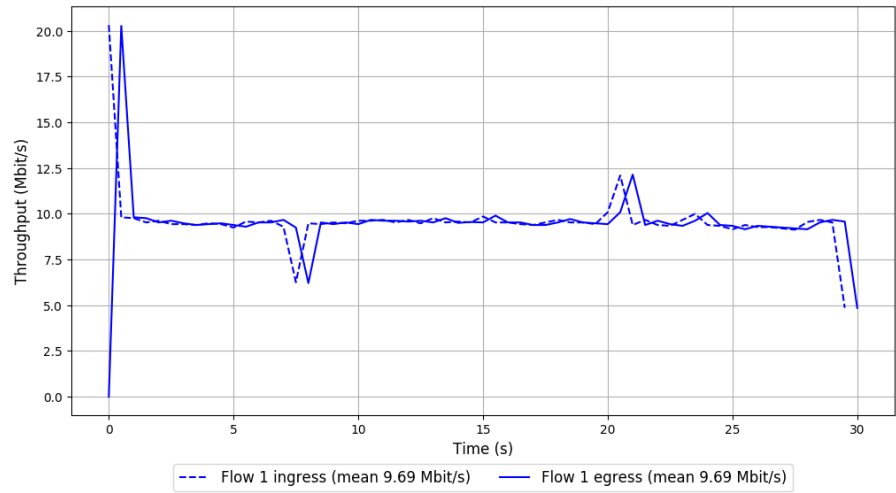
-- Flow 1:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.01%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

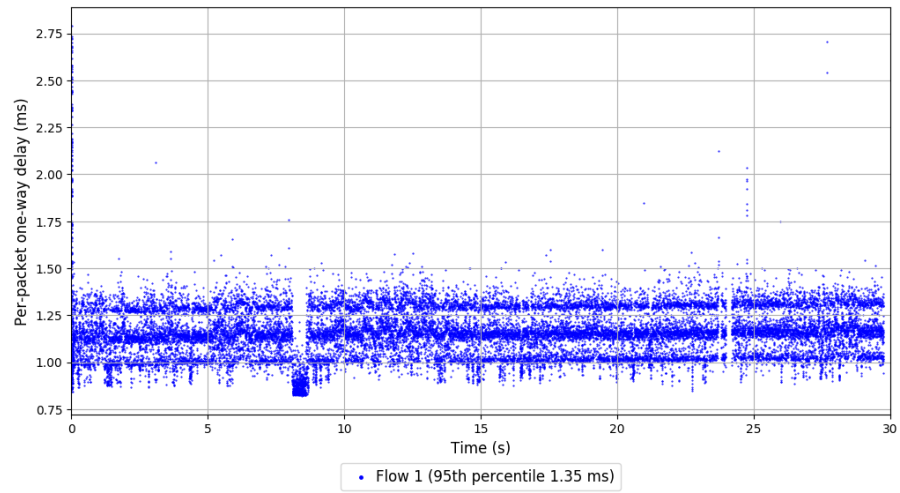
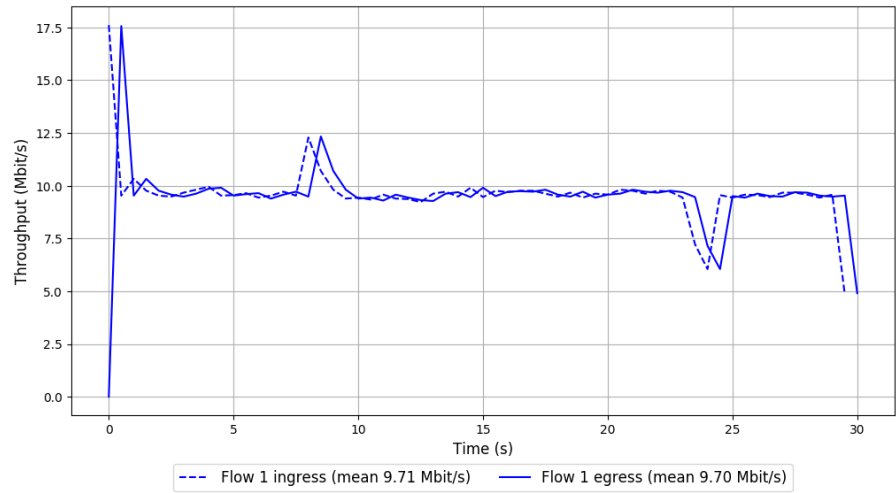


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:59:20
End at: 2019-08-26 19:59:50
Local clock offset: -1.432 ms
Remote clock offset: -1.472 ms

Below is generated by plot.py at 2019-08-26 21:03:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 1.352 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 1.352 ms
Loss rate: 0.01%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

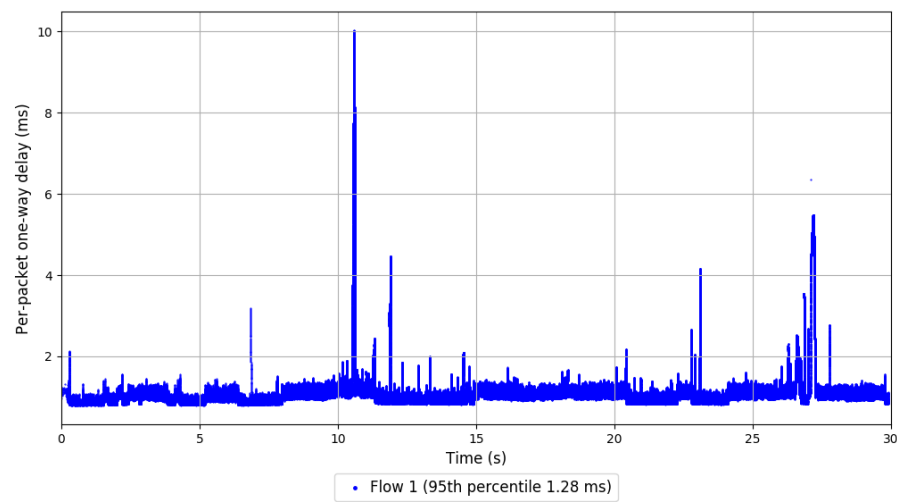
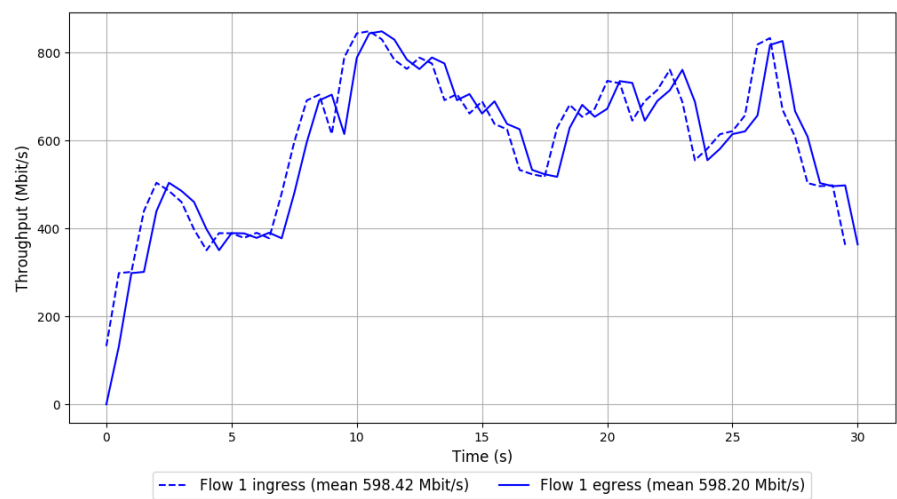


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 18:02:32
End at: 2019-08-26 18:03:02
Local clock offset: -0.402 ms
Remote clock offset: 2.697 ms

# Below is generated by plot.py at 2019-08-26 21:05:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 598.20 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 598.20 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.04%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-26 18:34:56

End at: 2019-08-26 18:35:26

Local clock offset: -0.156 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2019-08-26 21:05:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 1.709 ms

Loss rate: 0.07%

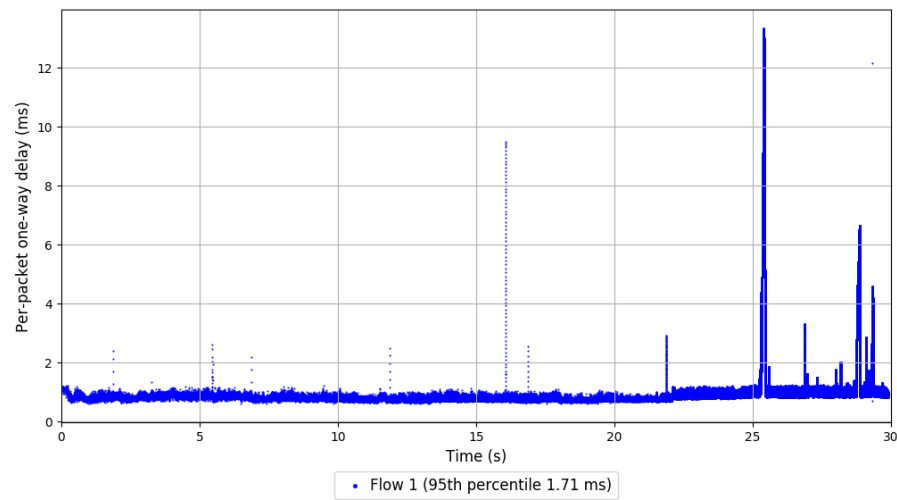
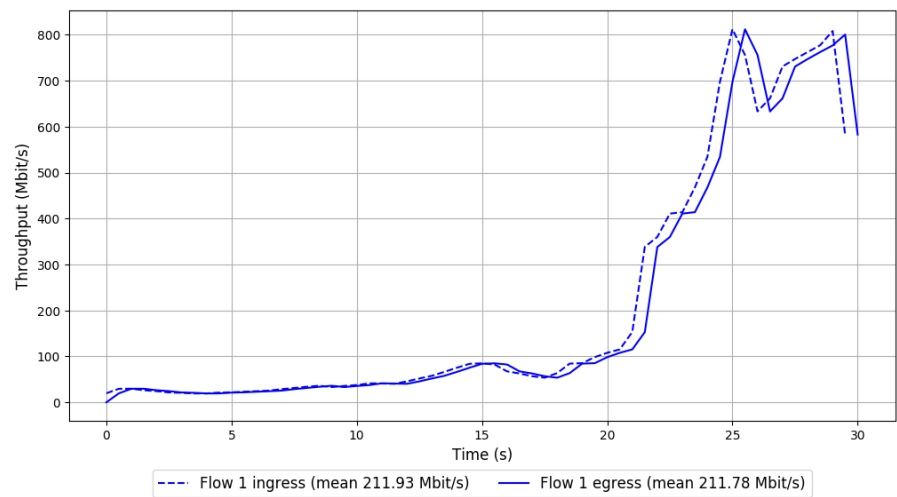
-- Flow 1:

Average throughput: 211.78 Mbit/s

95th percentile per-packet one-way delay: 1.709 ms

Loss rate: 0.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-26 19:07:21

End at: 2019-08-26 19:07:51

Local clock offset: -1.603 ms

Remote clock offset: 2.504 ms

Below is generated by plot.py at 2019-08-26 21:05:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.00%

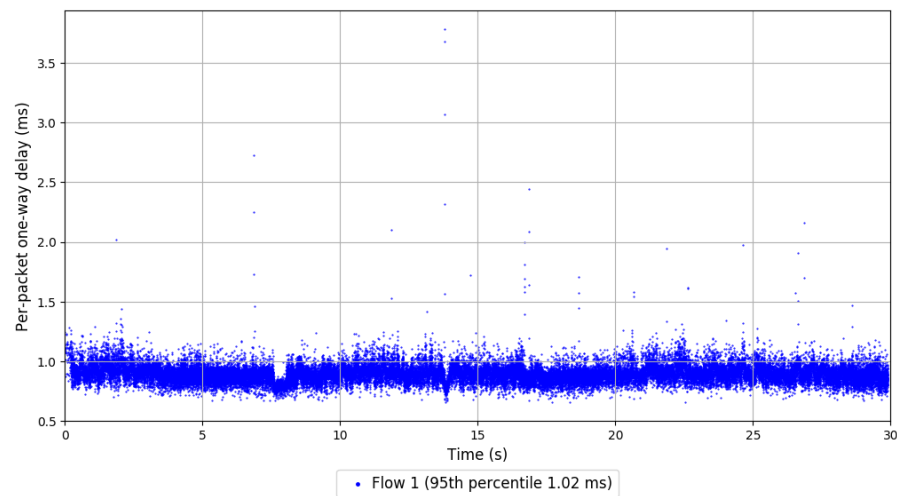
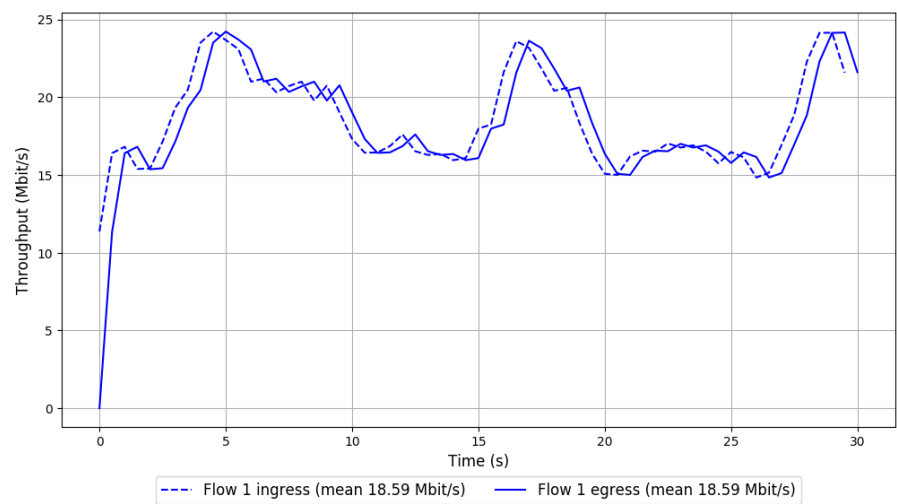
-- Flow 1:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-26 19:39:23

End at: 2019-08-26 19:39:53

Local clock offset: -1.483 ms

Remote clock offset: -0.345 ms

Below is generated by plot.py at 2019-08-26 21:05:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.00%

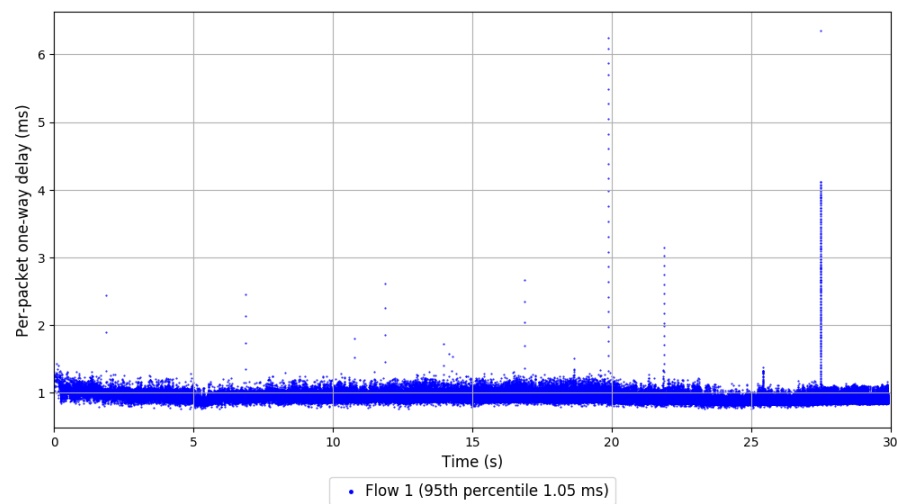
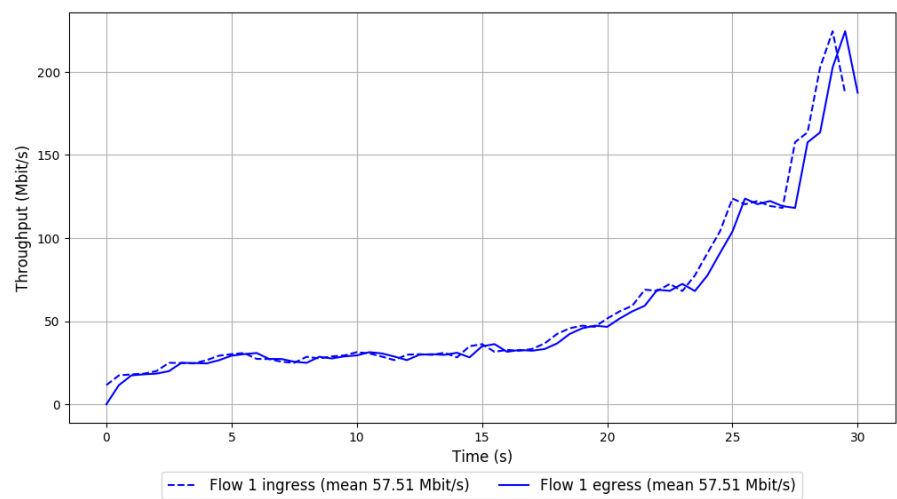
-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

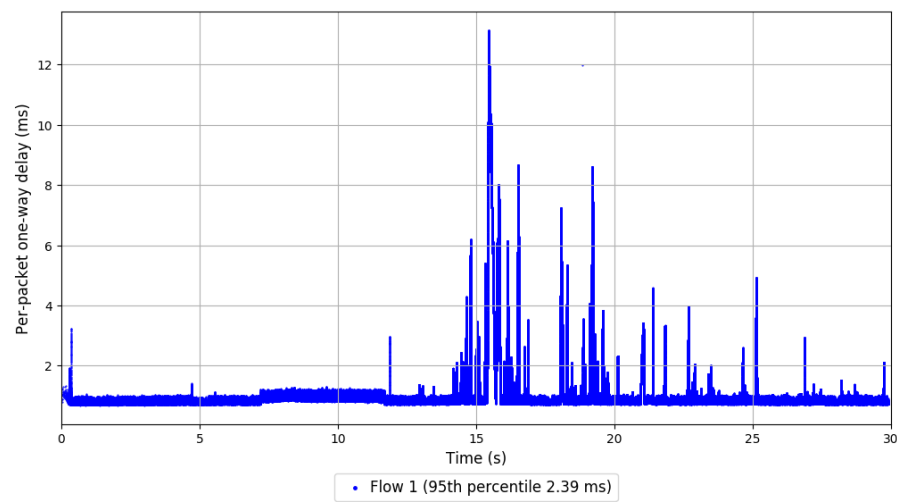
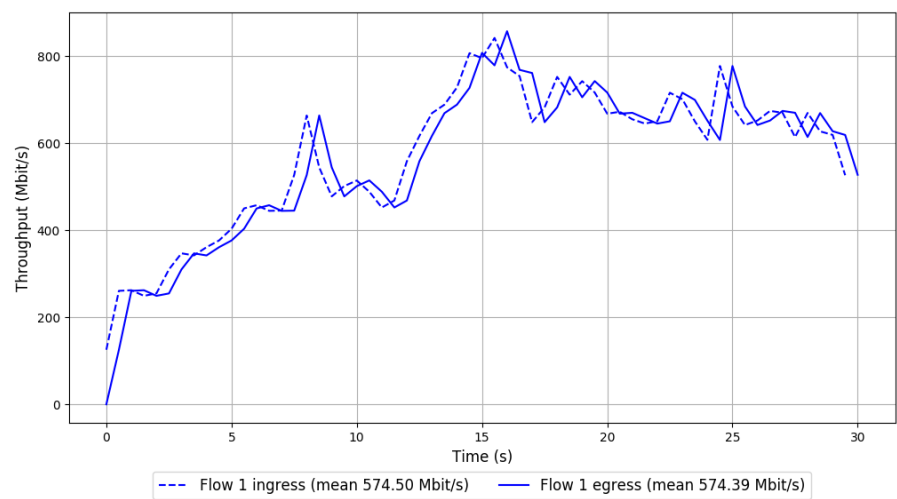


Run 5: Statistics of PCC-Allegro

Start at: 2019-08-26 20:11:37
End at: 2019-08-26 20:12:07
Local clock offset: -1.581 ms
Remote clock offset: -2.116 ms

Below is generated by plot.py at 2019-08-26 21:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 574.39 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 574.39 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link

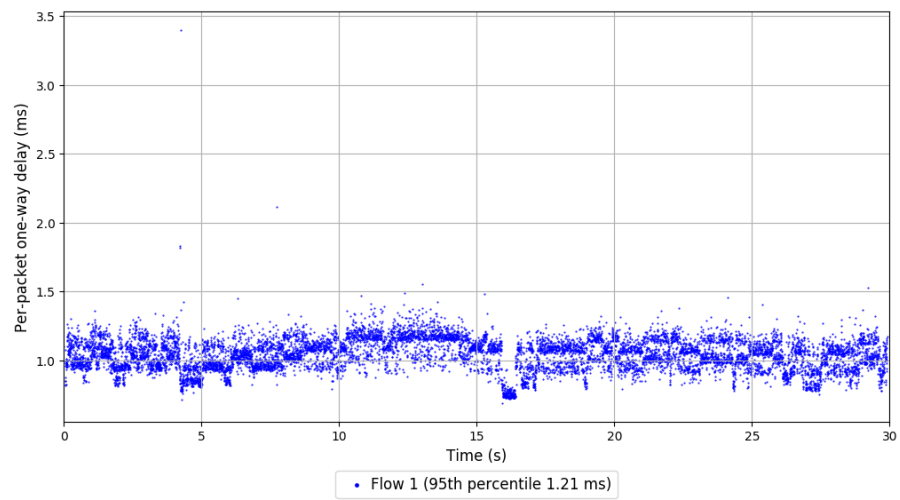
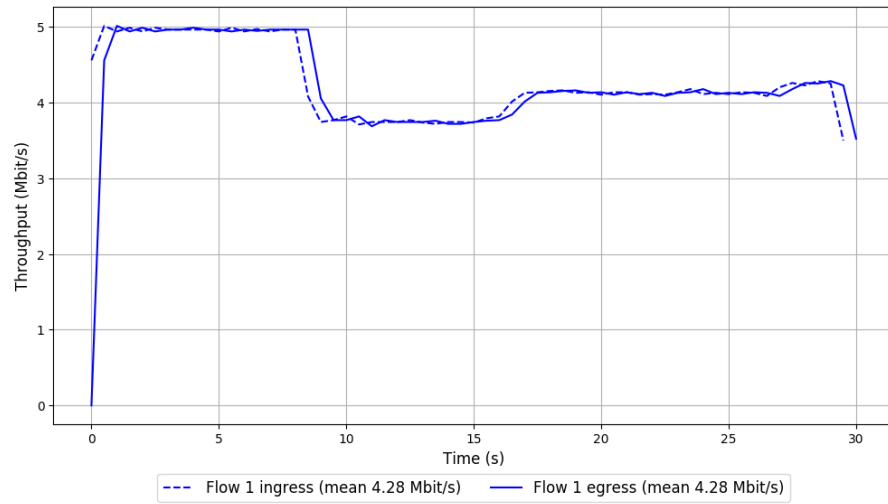


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 17:47:42
End at: 2019-08-26 17:48:12
Local clock offset: -0.641 ms
Remote clock offset: 2.058 ms

# Below is generated by plot.py at 2019-08-26 21:06:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-08-26 18:20:11

End at: 2019-08-26 18:20:41

Local clock offset: 0.028 ms

Remote clock offset: 2.55 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 1.426 ms

Loss rate: 0.06%

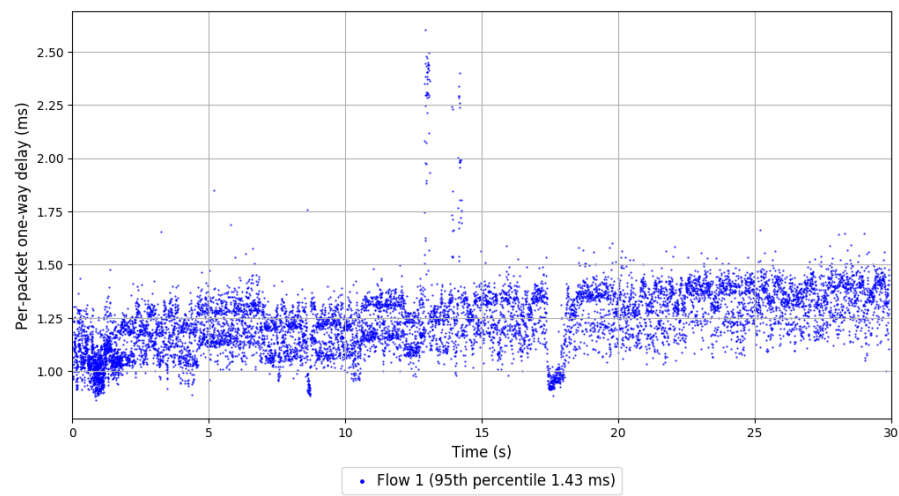
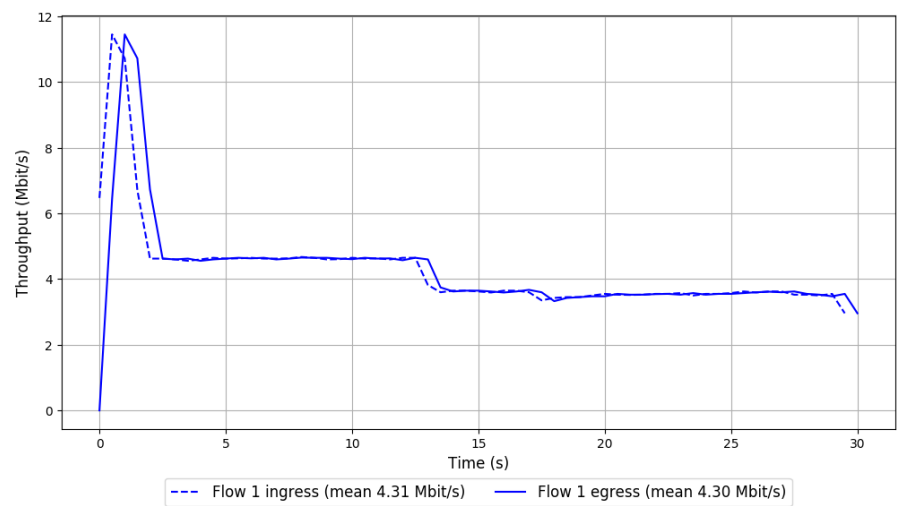
-- Flow 1:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 1.426 ms

Loss rate: 0.06%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-26 18:52:37

End at: 2019-08-26 18:53:07

Local clock offset: -0.842 ms

Remote clock offset: 0.454 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 49.67%

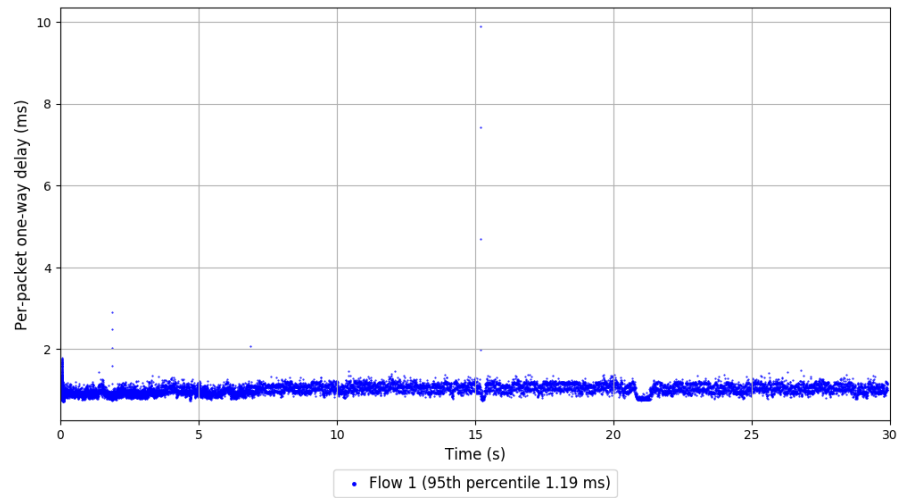
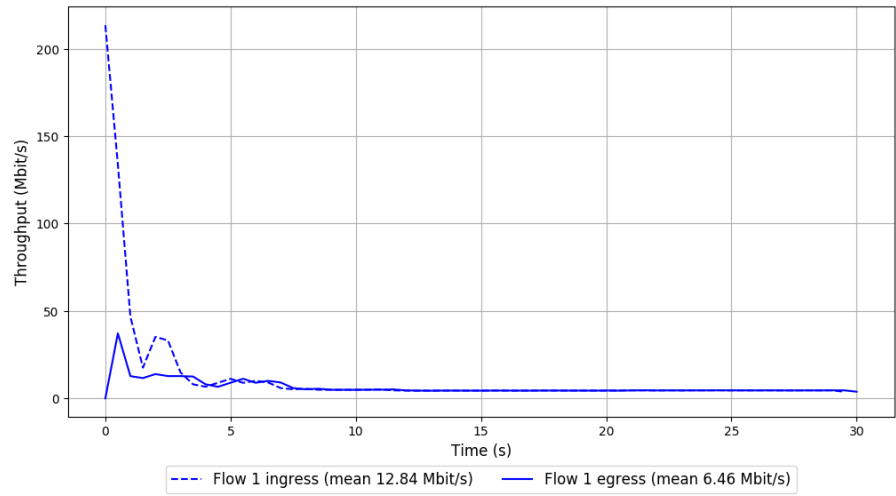
-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 49.67%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-26 19:24:40

End at: 2019-08-26 19:25:10

Local clock offset: -1.261 ms

Remote clock offset: 2.842 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 15.48%

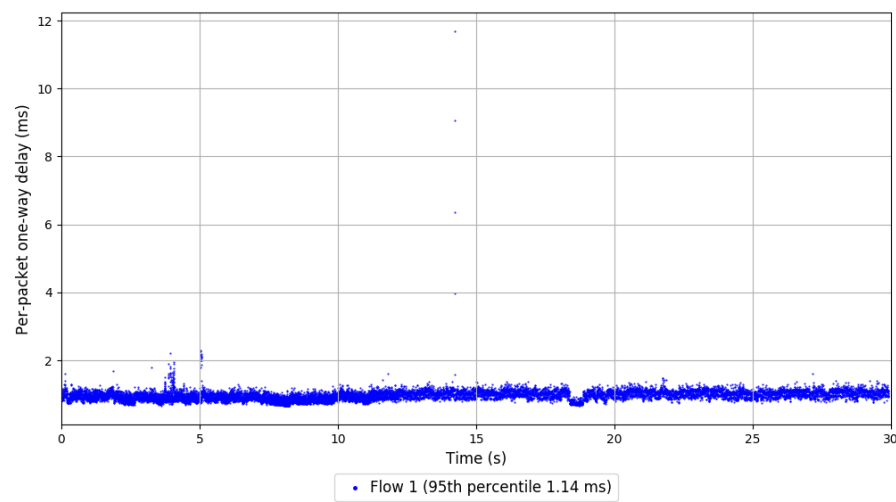
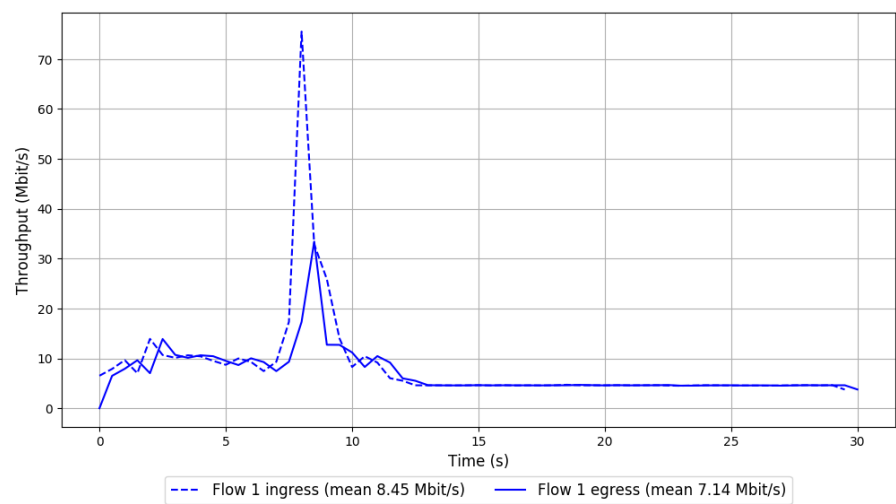
-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 15.48%

Run 4: Report of PCC-Expr — Data Link

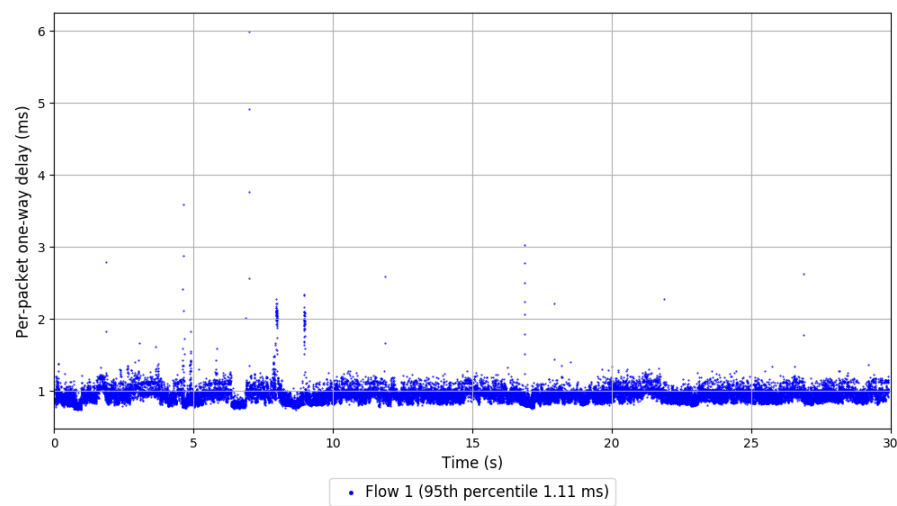
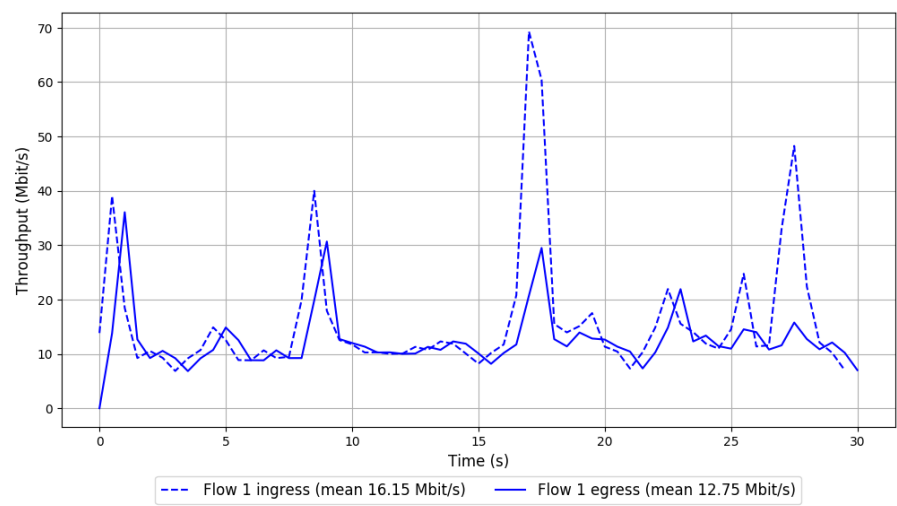


Run 5: Statistics of PCC-Expr

Start at: 2019-08-26 19:56:52
End at: 2019-08-26 19:57:22
Local clock offset: -1.414 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2019-08-26 21:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 21.05%
-- Flow 1:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 21.05%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 18:06:49

End at: 2019-08-26 18:07:20

Local clock offset: -0.309 ms

Remote clock offset: 2.686 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 0.894 ms

Loss rate: 0.00%

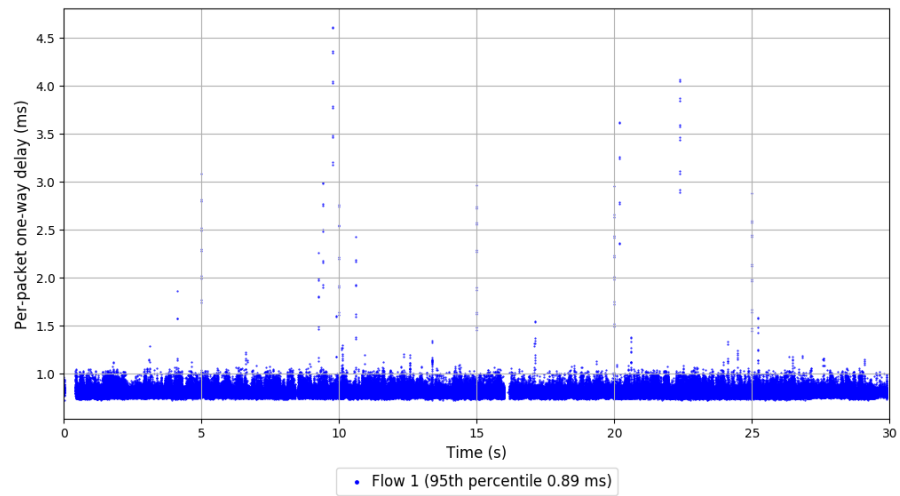
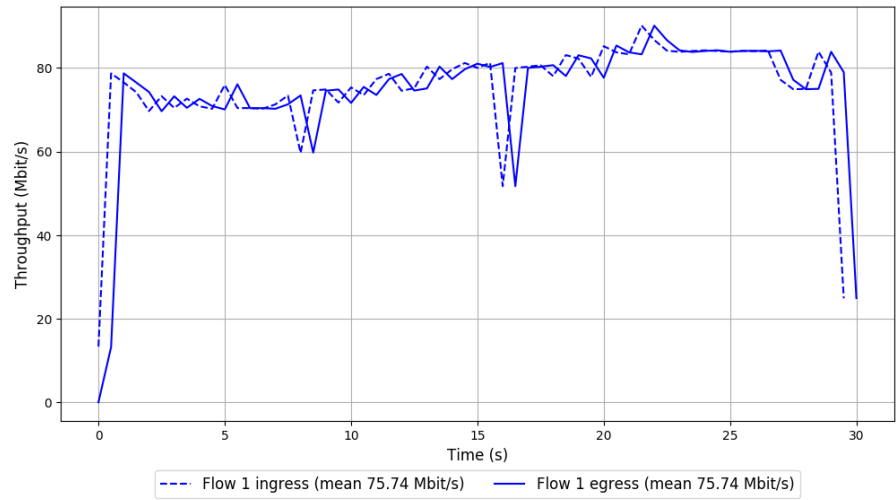
-- Flow 1:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 0.894 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-26 18:39:05

End at: 2019-08-26 18:39:35

Local clock offset: -0.307 ms

Remote clock offset: 0.536 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.65 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

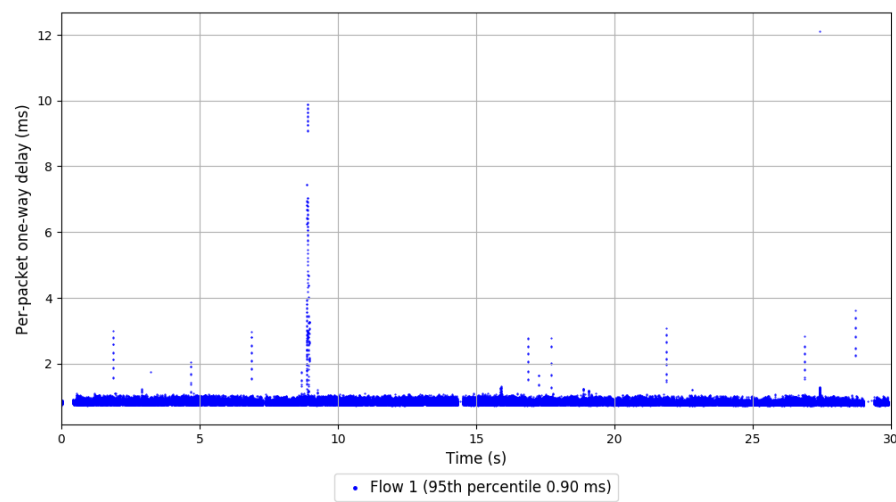
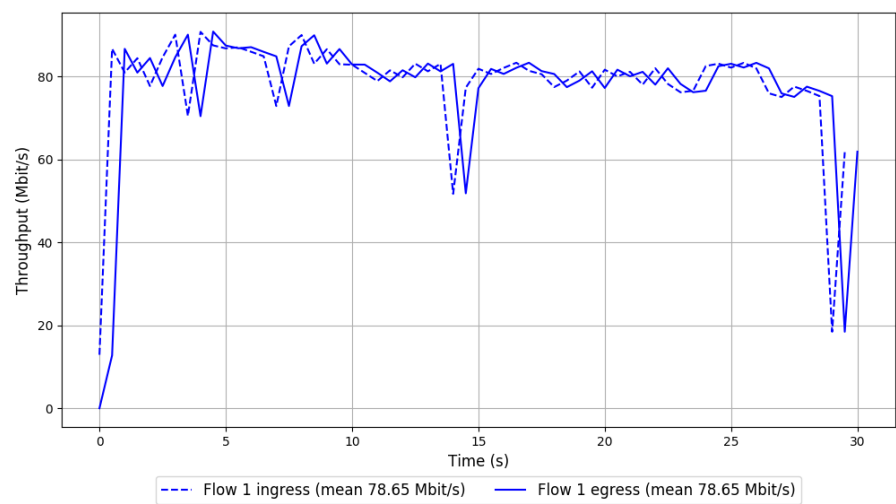
-- Flow 1:

Average throughput: 78.65 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-26 19:11:23

End at: 2019-08-26 19:11:53

Local clock offset: -1.457 ms

Remote clock offset: 2.784 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.54 Mbit/s

95th percentile per-packet one-way delay: 0.866 ms

Loss rate: 0.00%

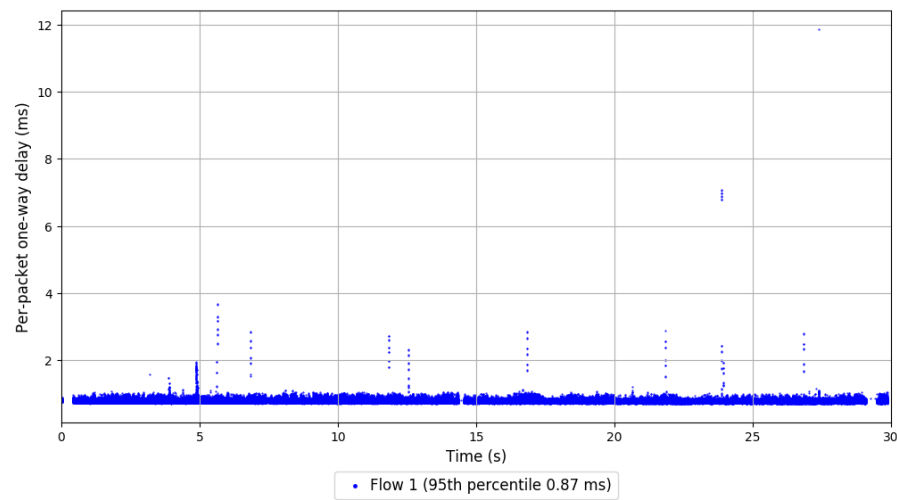
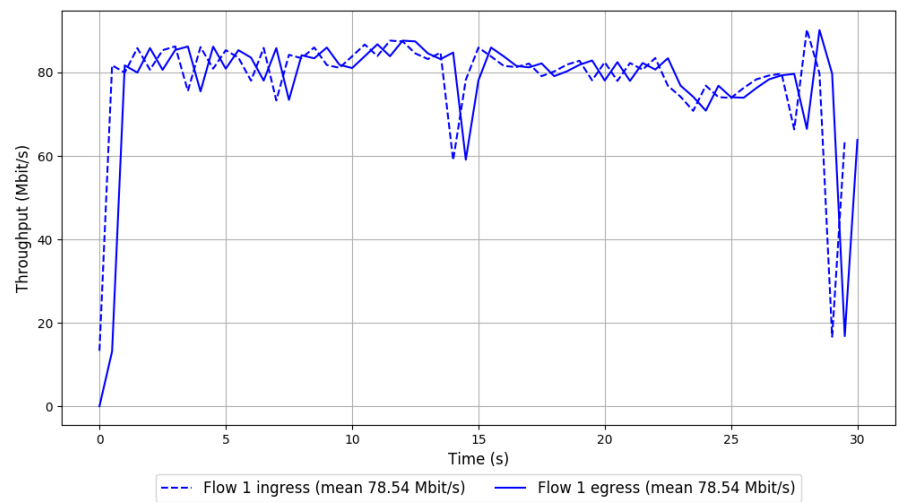
-- Flow 1:

Average throughput: 78.54 Mbit/s

95th percentile per-packet one-way delay: 0.866 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-26 19:43:24

End at: 2019-08-26 19:43:55

Local clock offset: -1.437 ms

Remote clock offset: -0.591 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.00%

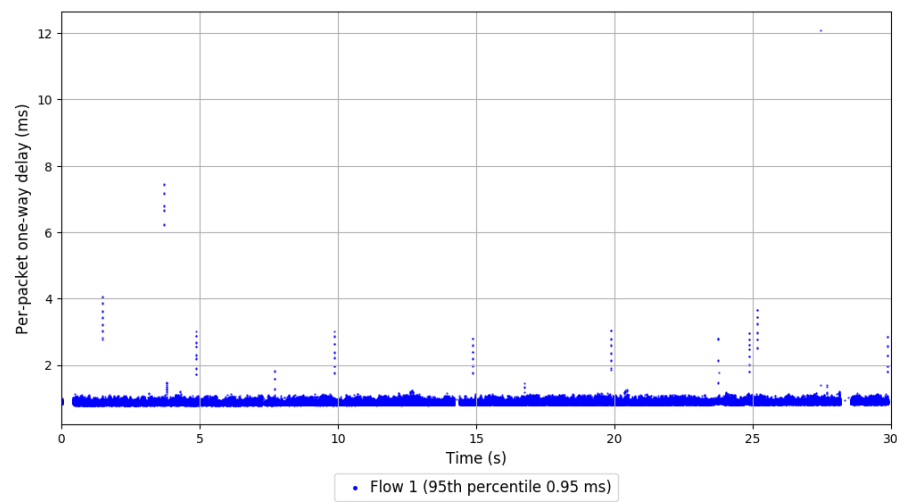
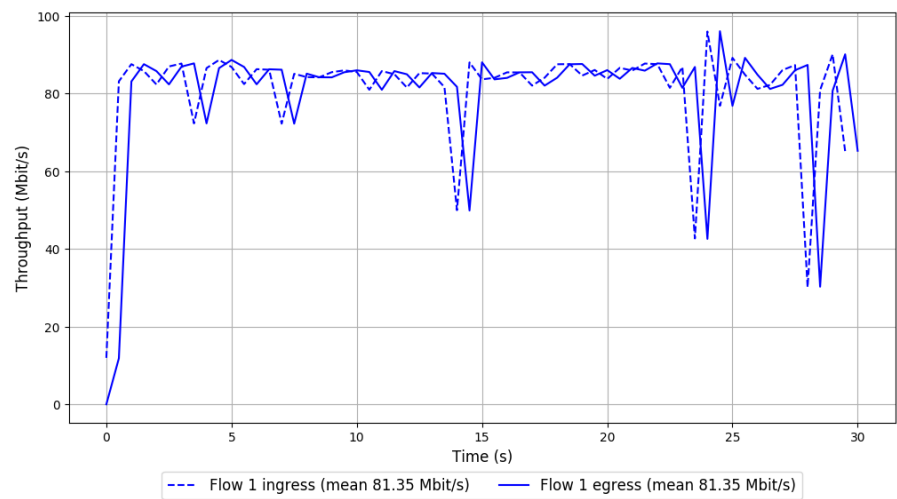
-- Flow 1:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-26 20:15:47

End at: 2019-08-26 20:16:17

Local clock offset: -1.667 ms

Remote clock offset: -2.15 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.00%

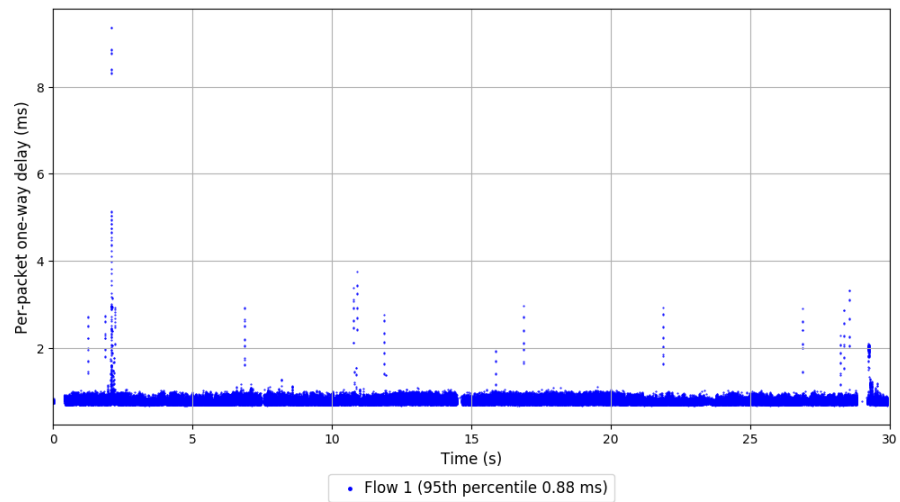
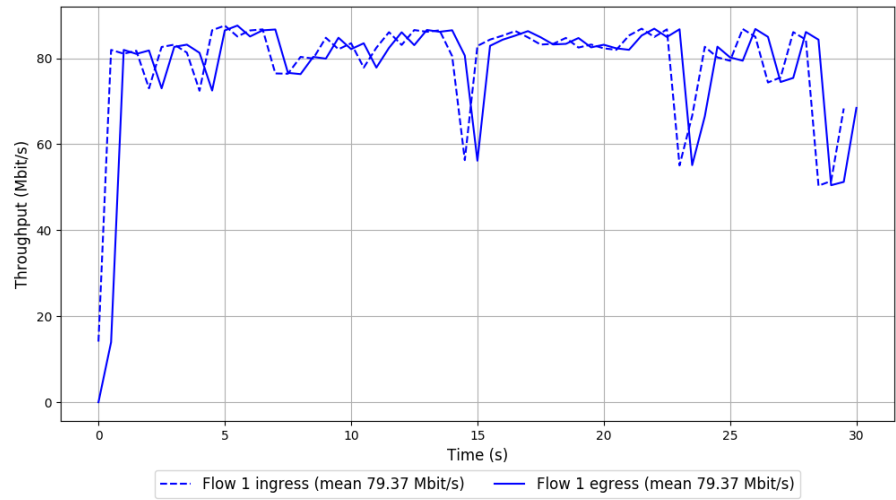
-- Flow 1:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-08-26 17:46:29

End at: 2019-08-26 17:46:59

Local clock offset: -0.647 ms

Remote clock offset: 1.903 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.155 ms

Loss rate: 0.00%

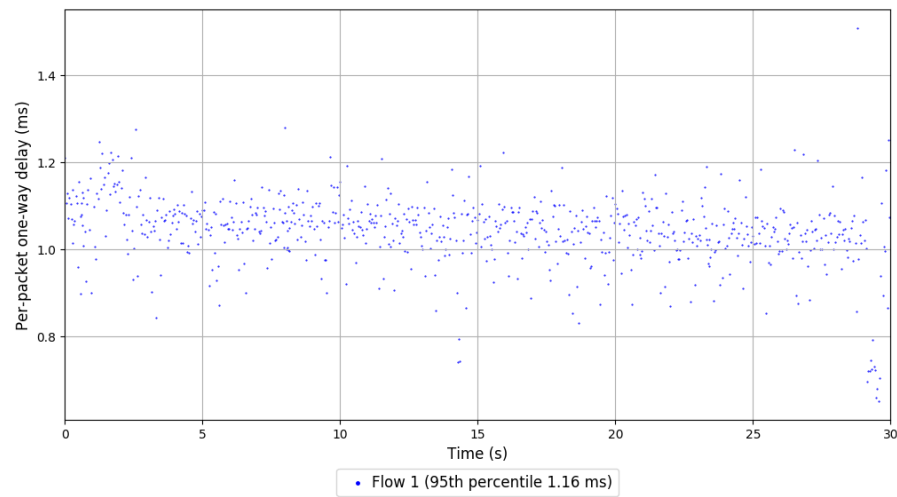
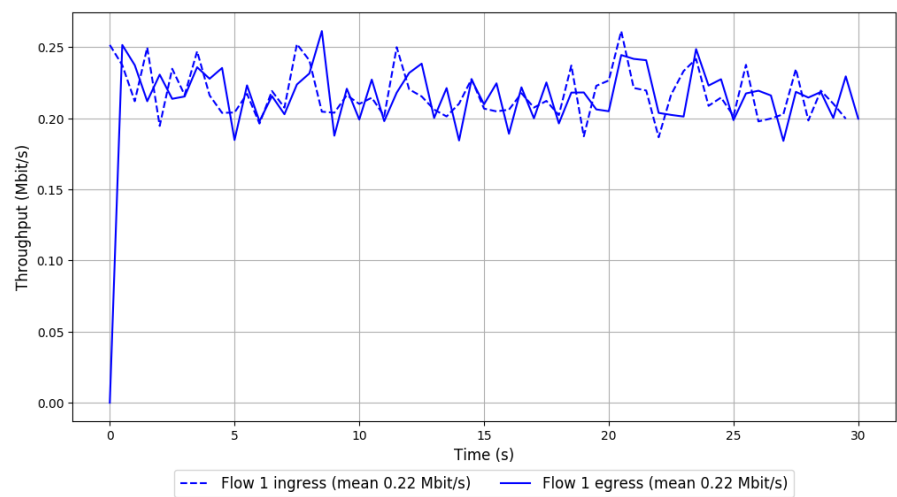
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.155 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-08-26 18:18:58

End at: 2019-08-26 18:19:28

Local clock offset: -0.034 ms

Remote clock offset: 2.554 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.00%

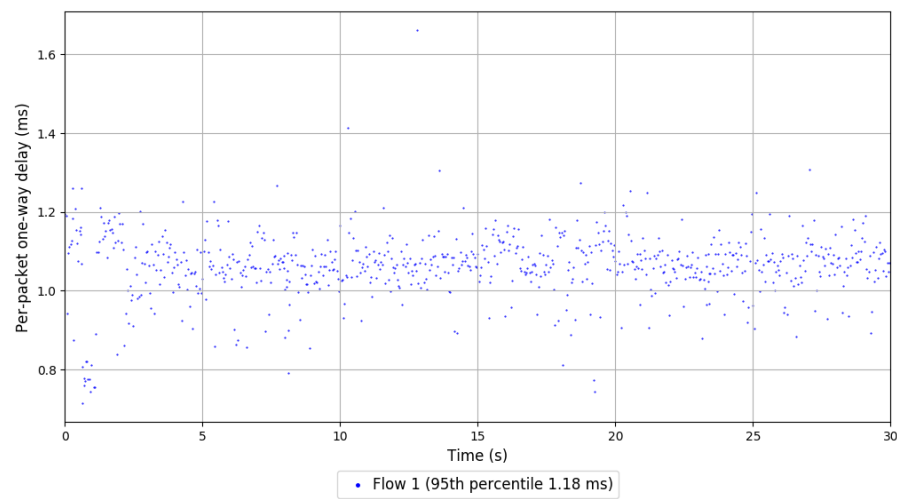
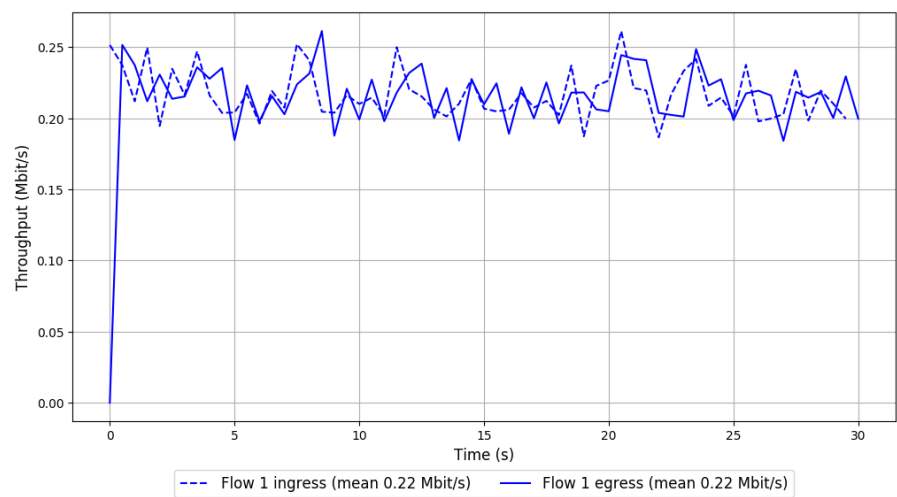
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-08-26 18:51:24

End at: 2019-08-26 18:51:54

Local clock offset: -0.775 ms

Remote clock offset: 0.444 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.00%

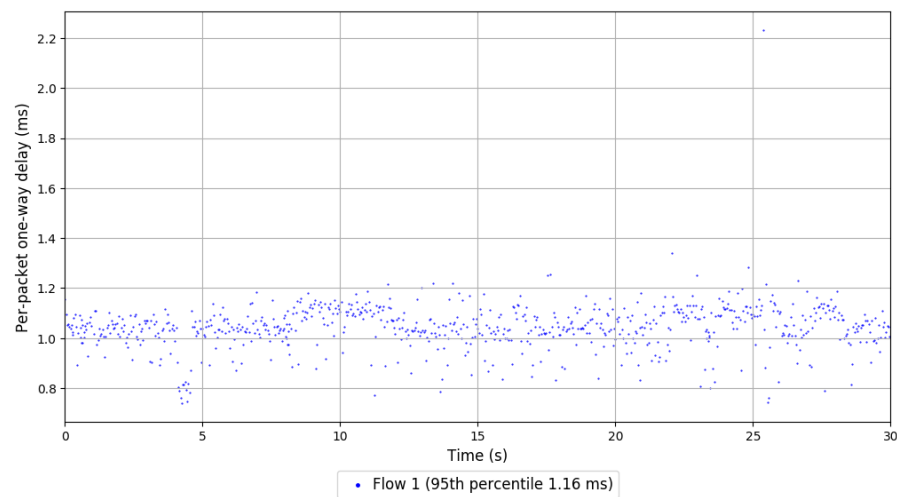
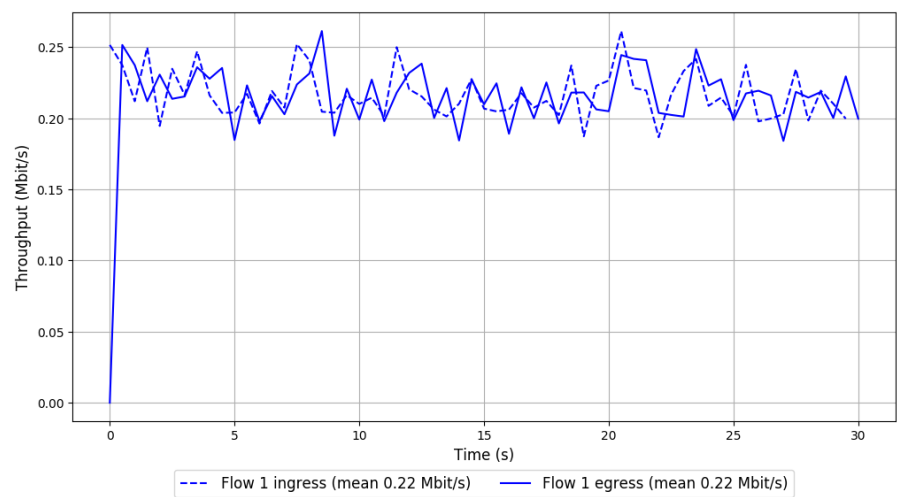
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-08-26 19:23:27

End at: 2019-08-26 19:23:57

Local clock offset: -1.278 ms

Remote clock offset: 2.985 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

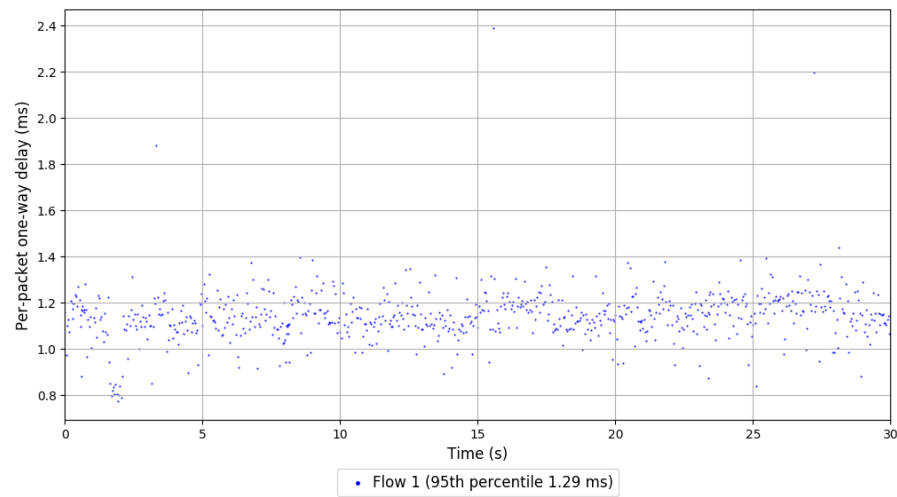
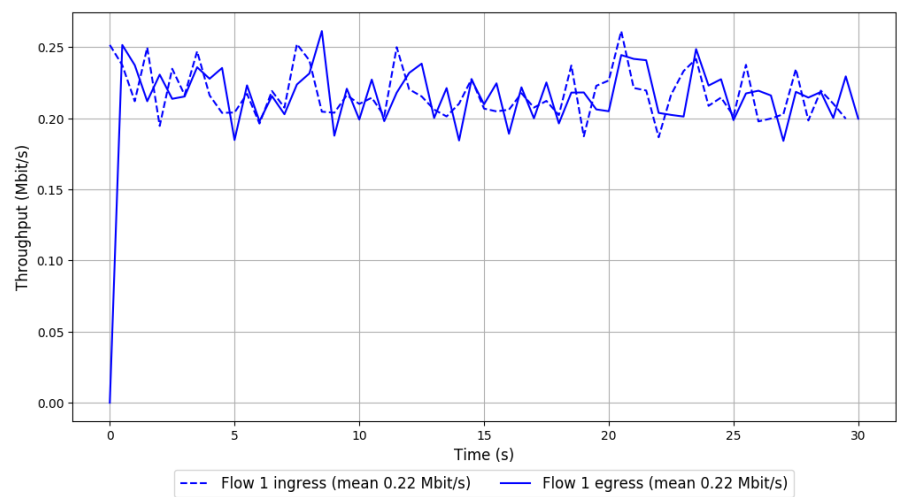
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

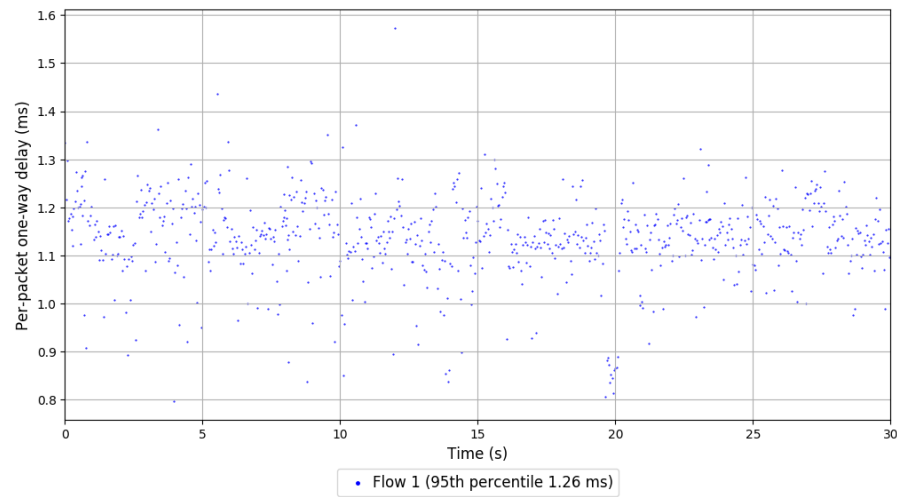
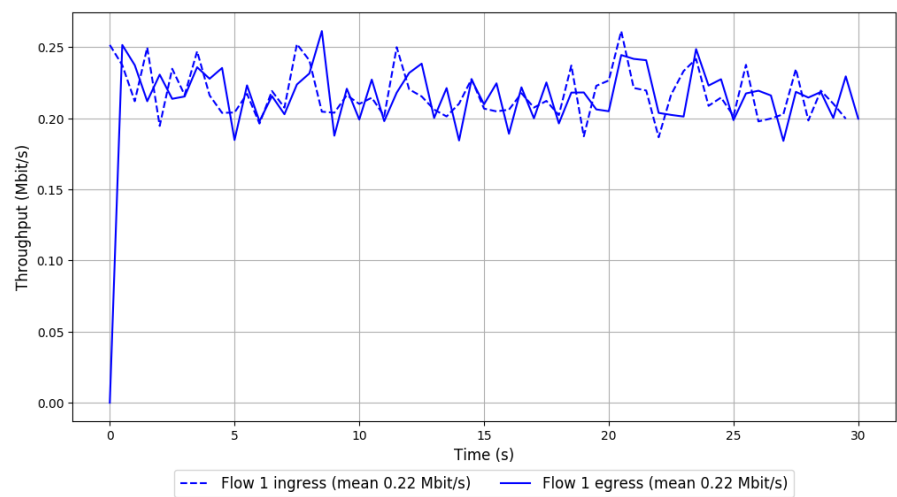


Run 5: Statistics of SCReAM

Start at: 2019-08-26 19:55:39
End at: 2019-08-26 19:56:09
Local clock offset: -1.409 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2019-08-26 21:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-08-26 17:48:56

End at: 2019-08-26 17:49:26

Local clock offset: -0.625 ms

Remote clock offset: 2.147 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.18 Mbit/s

95th percentile per-packet one-way delay: 3.748 ms

Loss rate: 0.00%

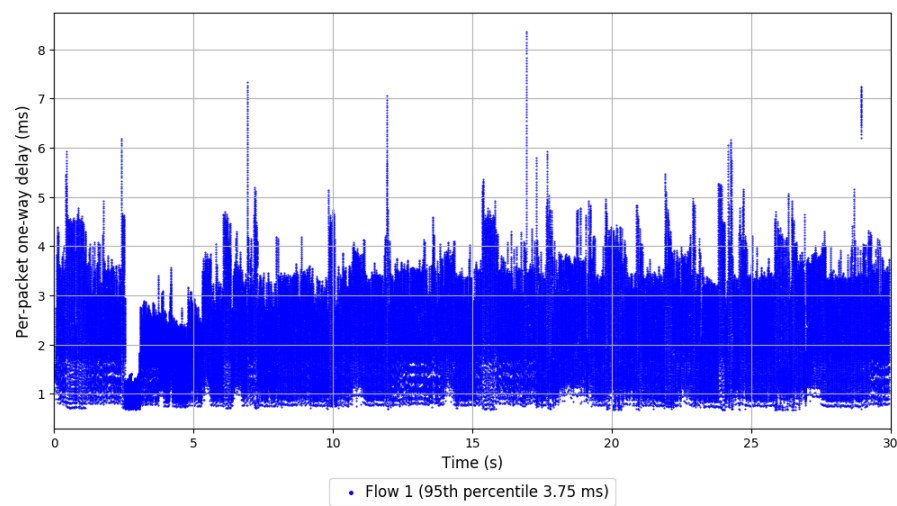
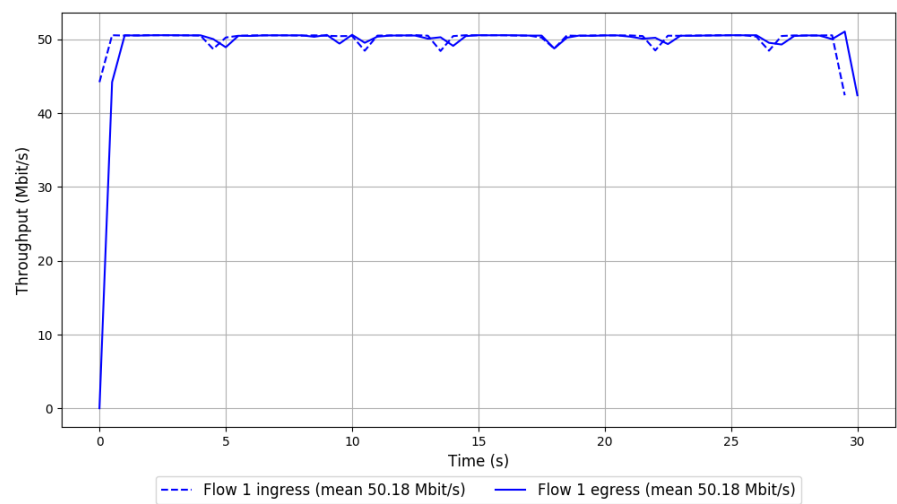
-- Flow 1:

Average throughput: 50.18 Mbit/s

95th percentile per-packet one-way delay: 3.748 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-08-26 18:21:24

End at: 2019-08-26 18:21:54

Local clock offset: 0.035 ms

Remote clock offset: 2.267 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 4.614 ms

Loss rate: 0.14%

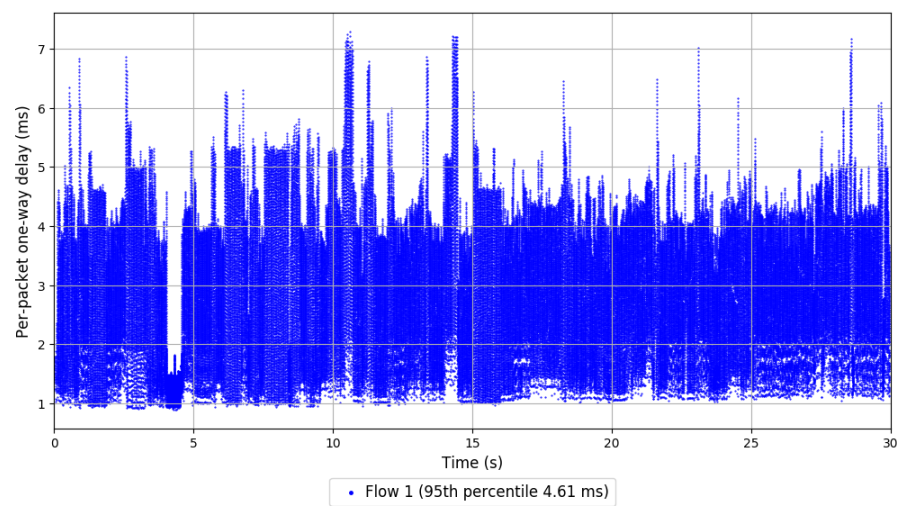
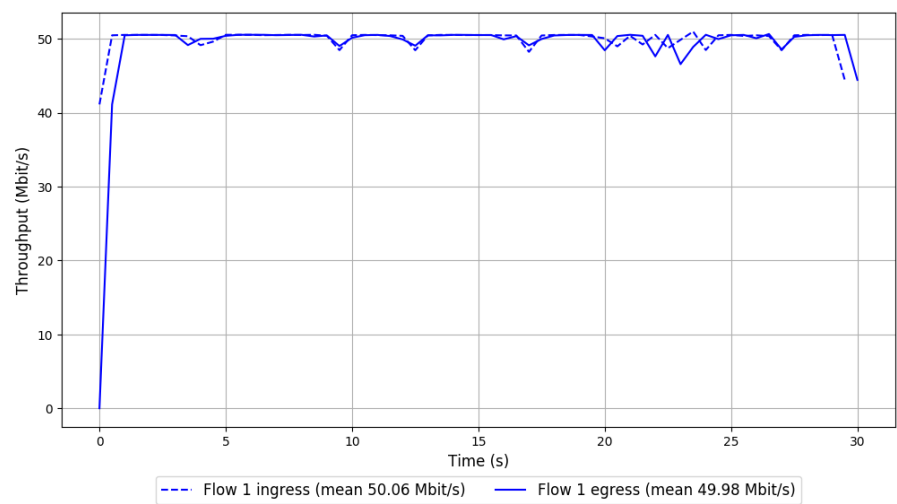
-- Flow 1:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 4.614 ms

Loss rate: 0.14%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-08-26 18:53:51

End at: 2019-08-26 18:54:21

Local clock offset: -0.92 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2019-08-26 21:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.05 Mbit/s

95th percentile per-packet one-way delay: 4.433 ms

Loss rate: 0.01%

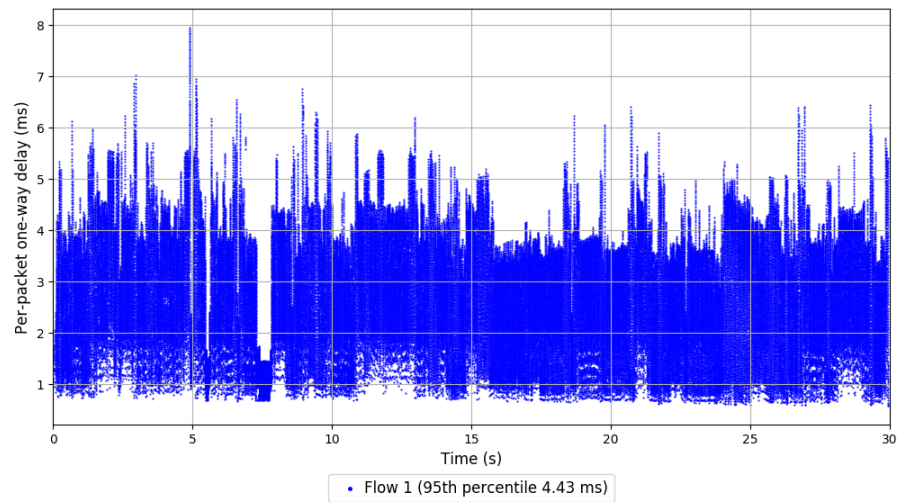
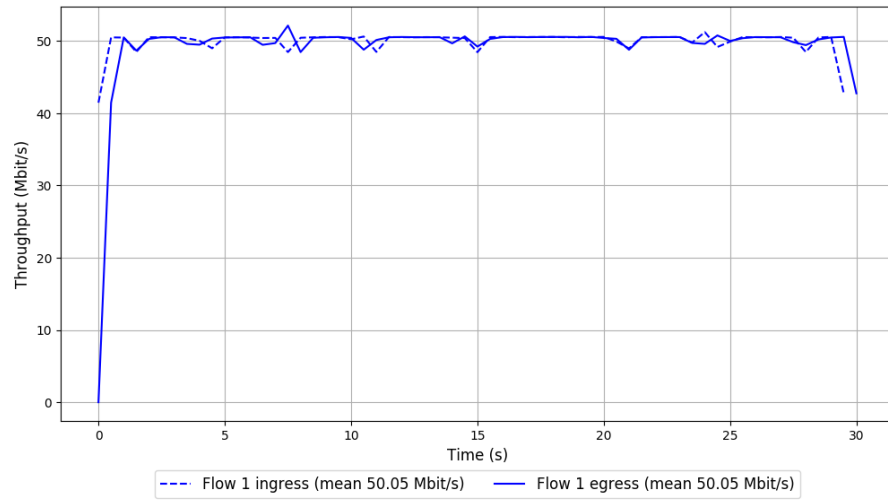
-- Flow 1:

Average throughput: 50.05 Mbit/s

95th percentile per-packet one-way delay: 4.433 ms

Loss rate: 0.01%

Run 3: Report of Sprout — Data Link

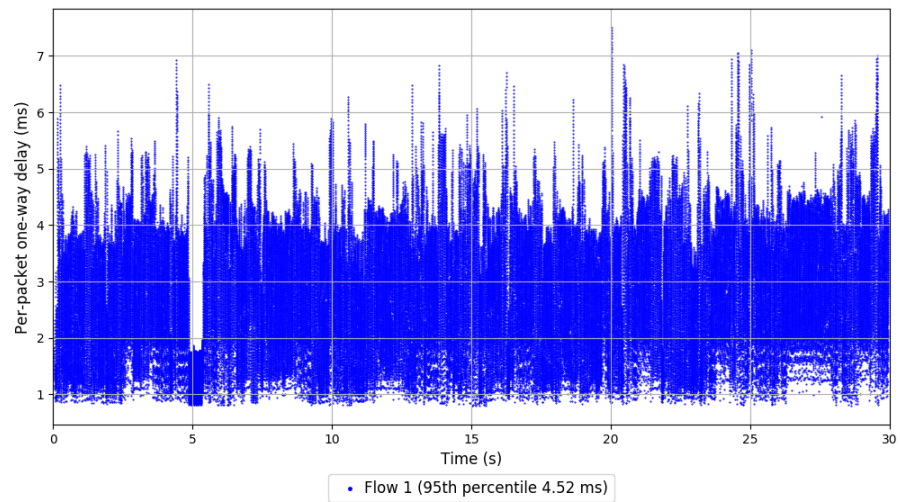
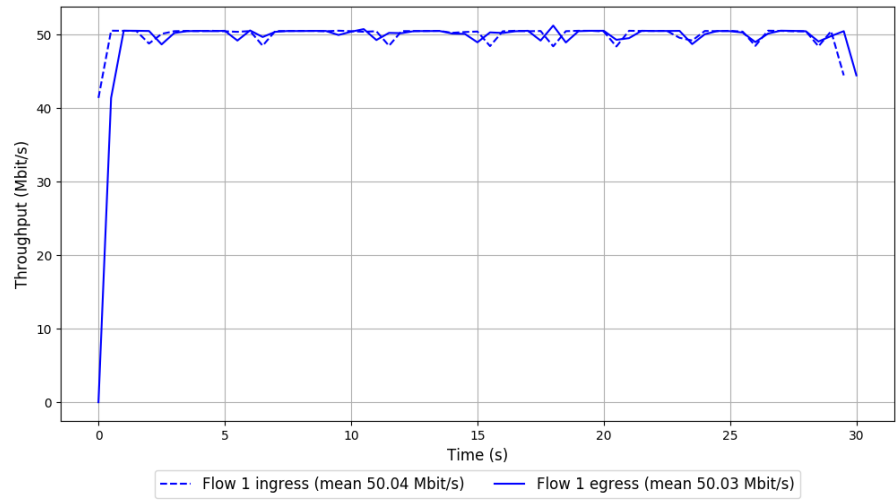


Run 4: Statistics of Sprout

Start at: 2019-08-26 19:25:53
End at: 2019-08-26 19:26:23
Local clock offset: -1.309 ms
Remote clock offset: 2.925 ms

Below is generated by plot.py at 2019-08-26 21:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

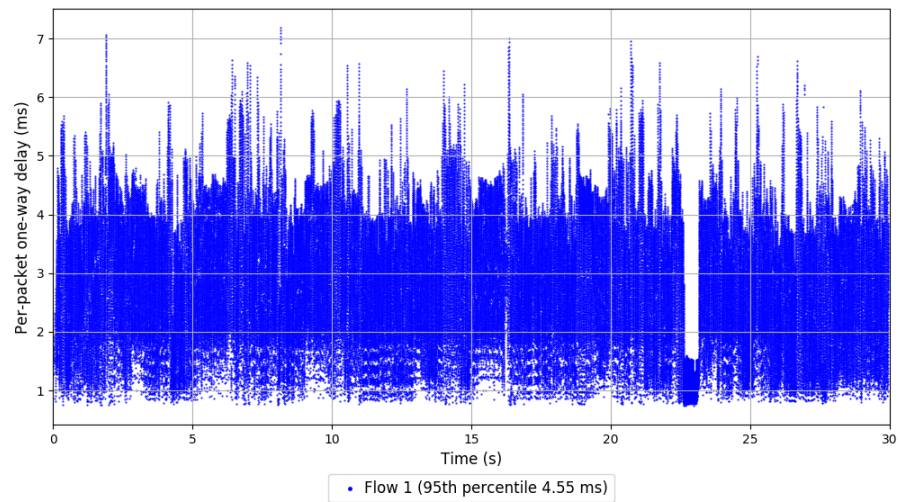
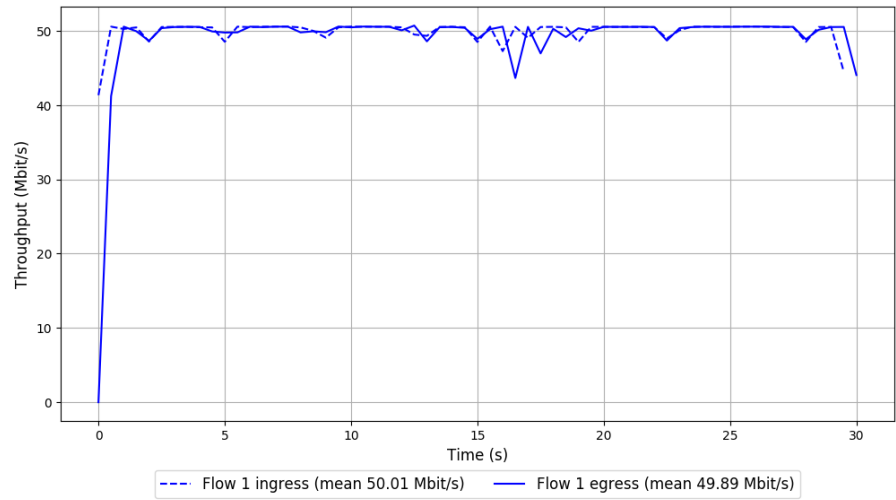


Run 5: Statistics of Sprout

Start at: 2019-08-26 19:58:06
End at: 2019-08-26 19:58:36
Local clock offset: -1.41 ms
Remote clock offset: -1.504 ms

Below is generated by plot.py at 2019-08-26 21:06:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 4.546 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 4.546 ms
Loss rate: 0.23%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

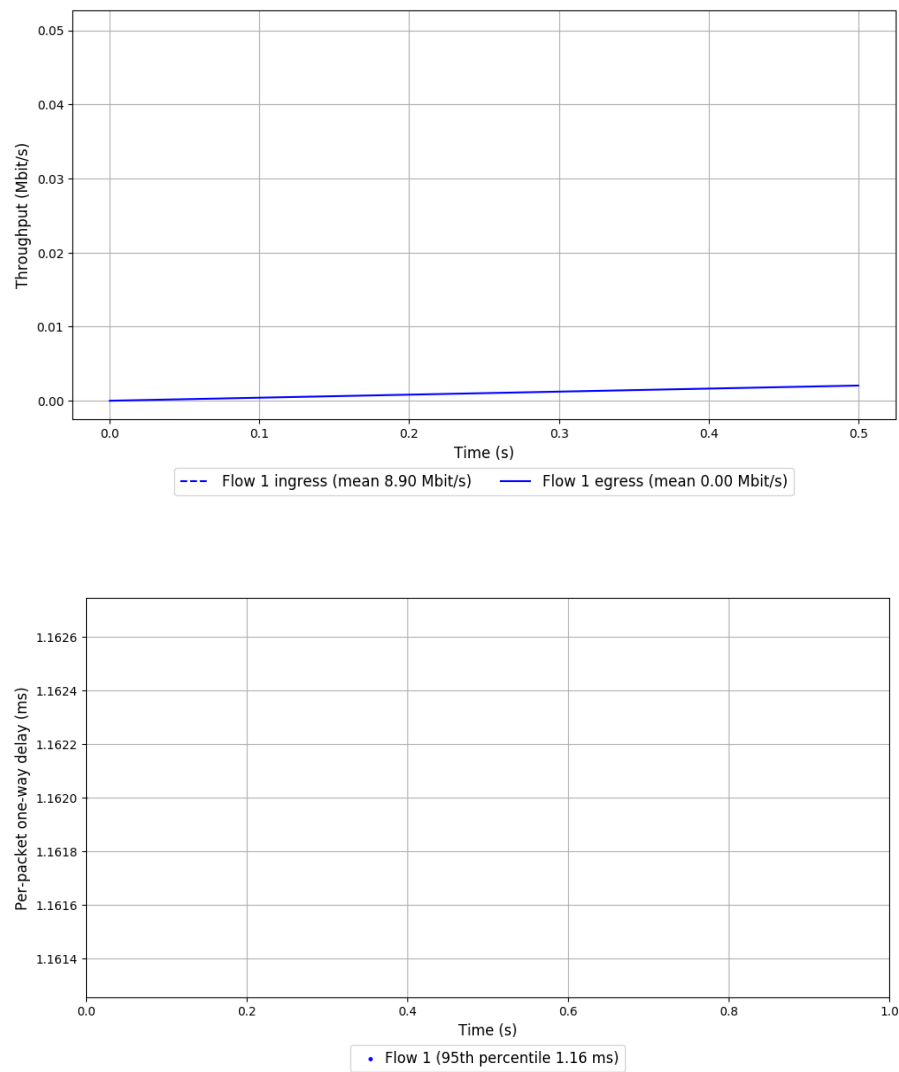
Start at: 2019-08-26 17:57:15

End at: 2019-08-26 17:57:45

Local clock offset: -0.649 ms

Remote clock offset: 2.564 ms

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



Run 2: Statistics of TaoVA-100x

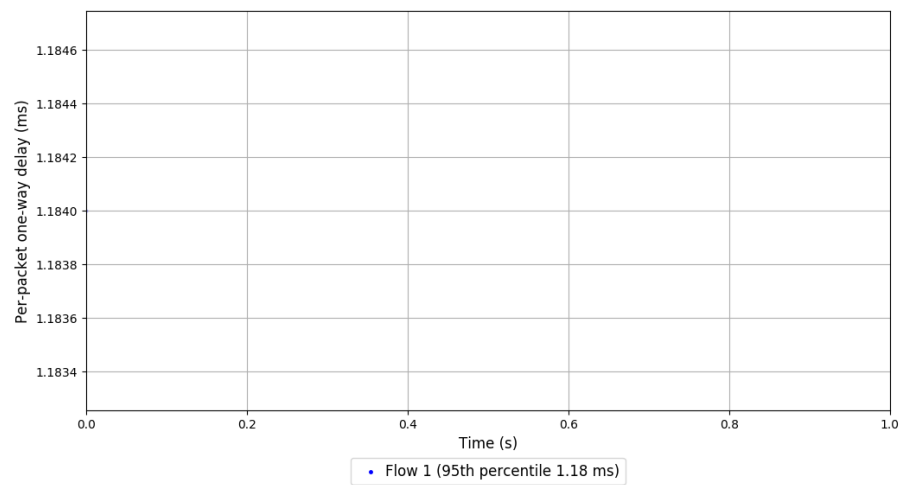
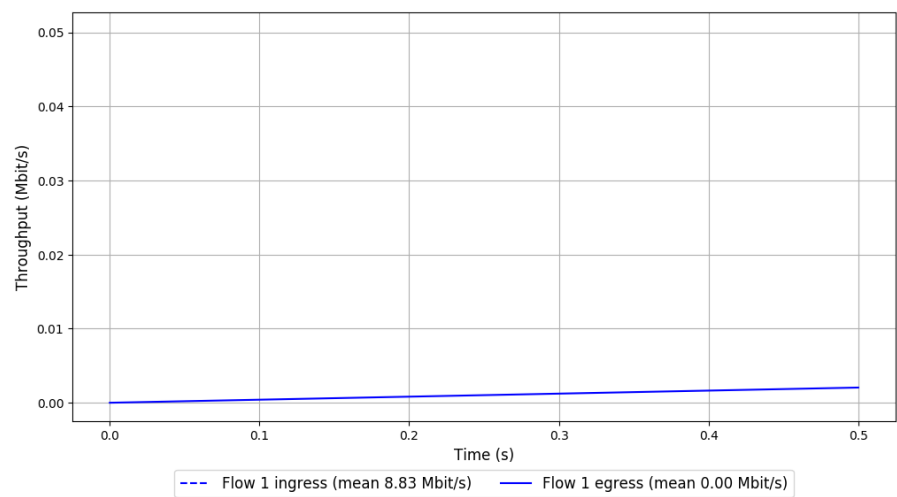
Start at: 2019-08-26 18:29:39

End at: 2019-08-26 18:30:09

Local clock offset: -0.024 ms

Remote clock offset: 0.822 ms

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



Run 3: Statistics of TaoVA-100x

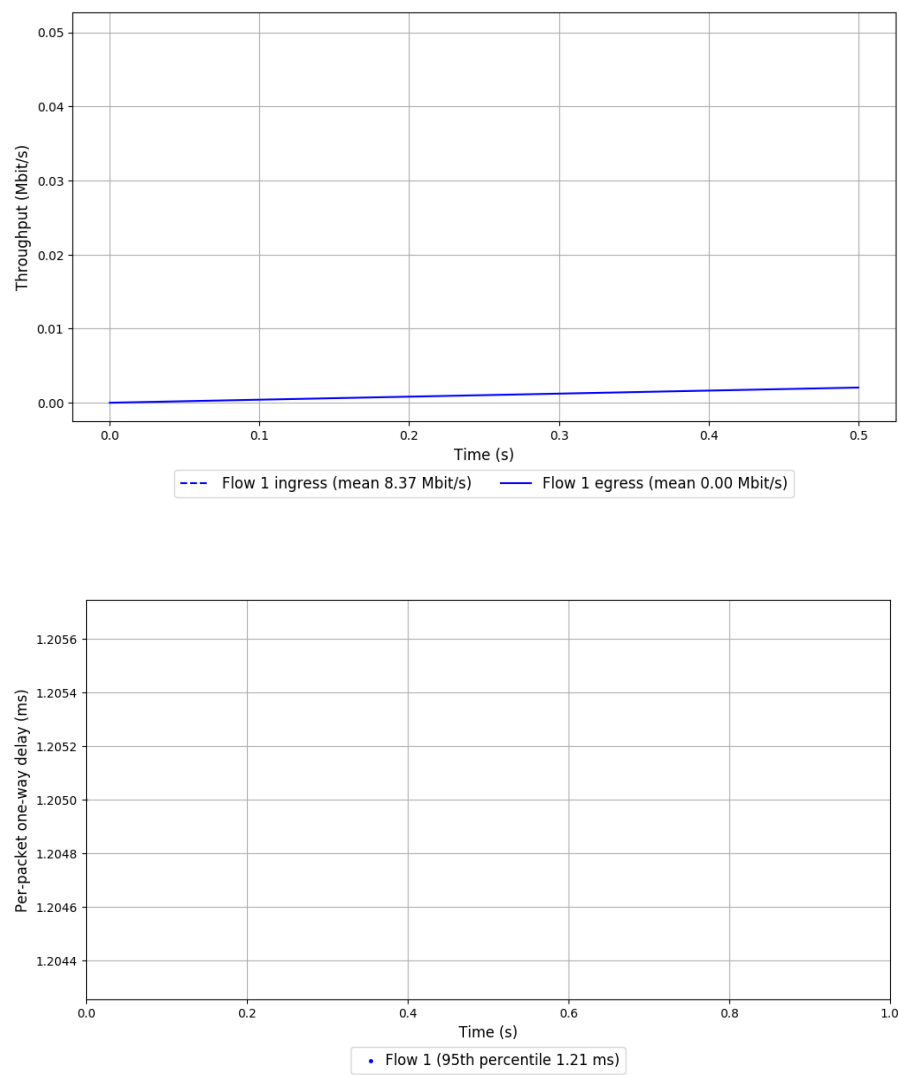
Start at: 2019-08-26 19:02:04

End at: 2019-08-26 19:02:34

Local clock offset: -1.306 ms

Remote clock offset: 1.939 ms

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



Run 4: Statistics of TaoVA-100x

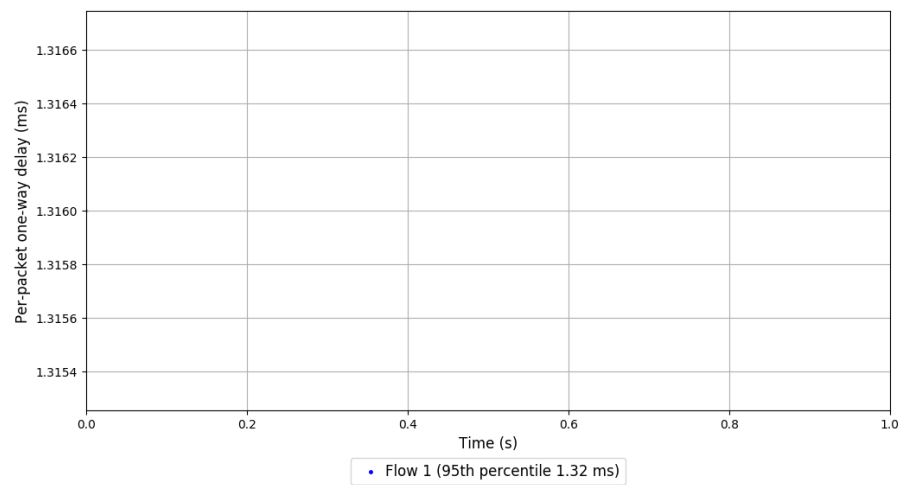
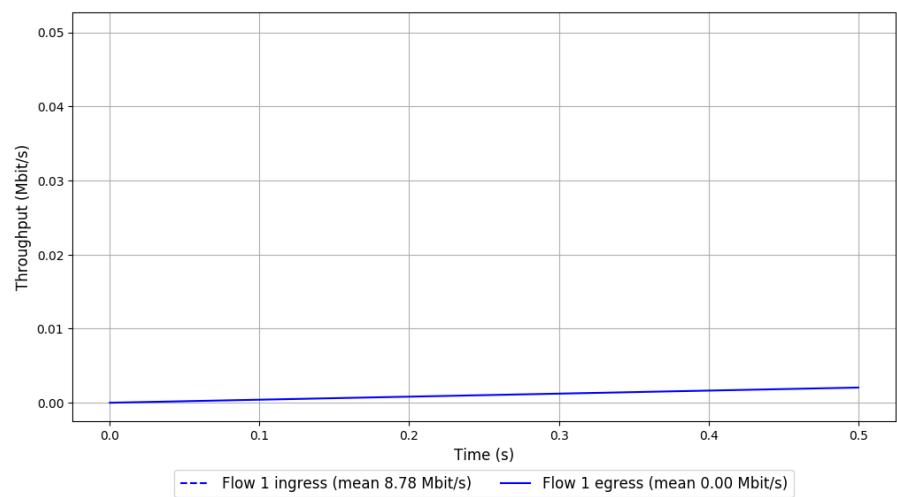
Start at: 2019-08-26 19:34:04

End at: 2019-08-26 19:34:35

Local clock offset: -1.387 ms

Remote clock offset: -0.062 ms

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



Run 5: Statistics of TaoVA-100x

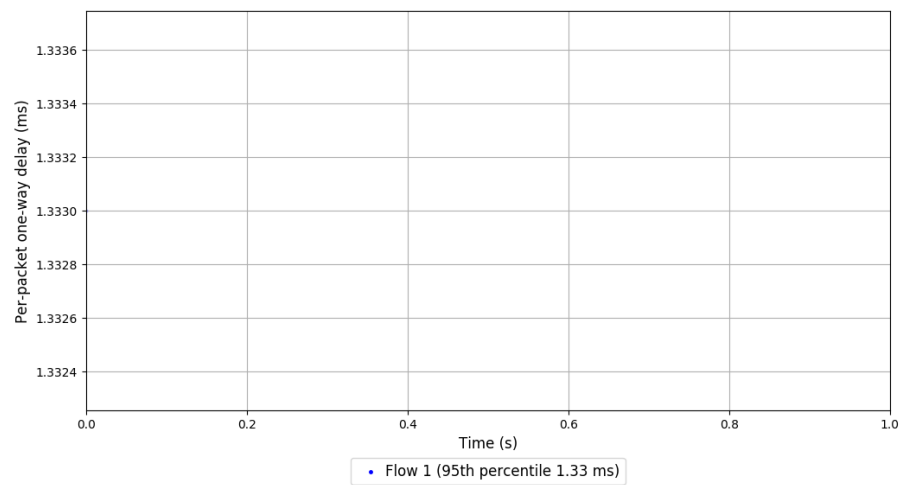
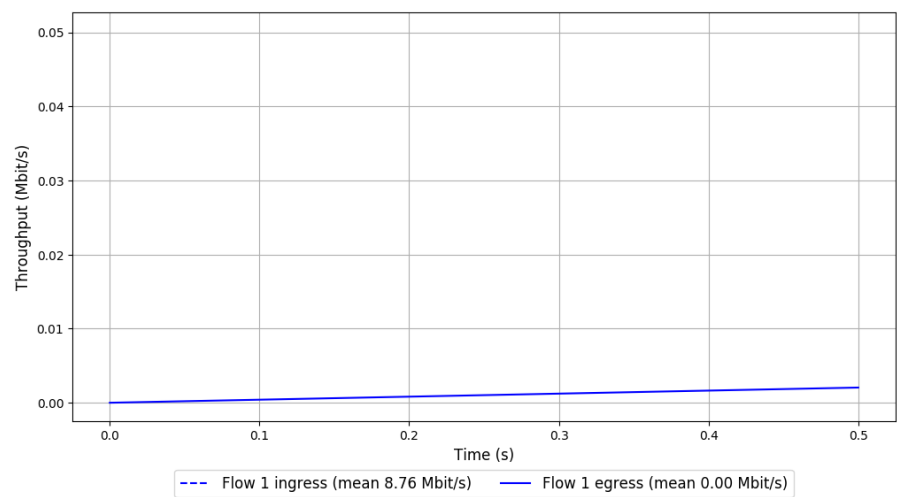
Start at: 2019-08-26 20:06:16

End at: 2019-08-26 20:06:46

Local clock offset: -1.498 ms

Remote clock offset: -1.915 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 17:41:02

End at: 2019-08-26 17:41:32

Local clock offset: -0.952 ms

Remote clock offset: 1.874 ms

Below is generated by plot.py at 2019-08-26 21:06:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.50 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.00%

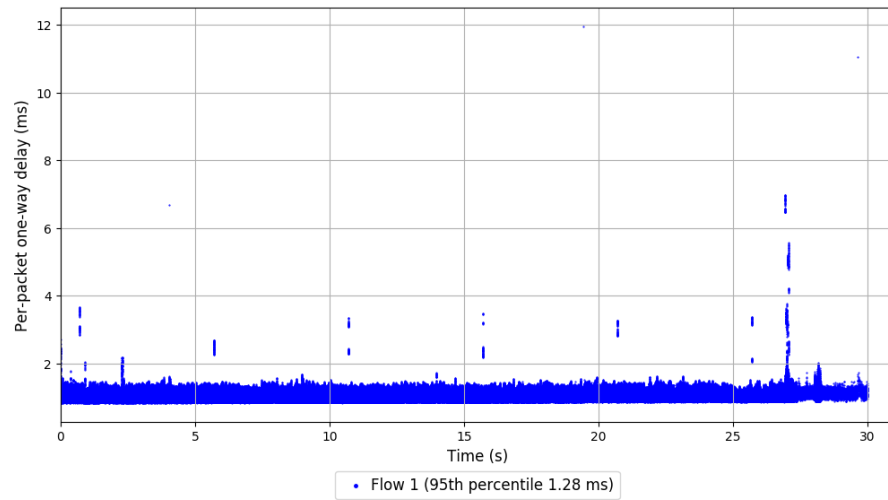
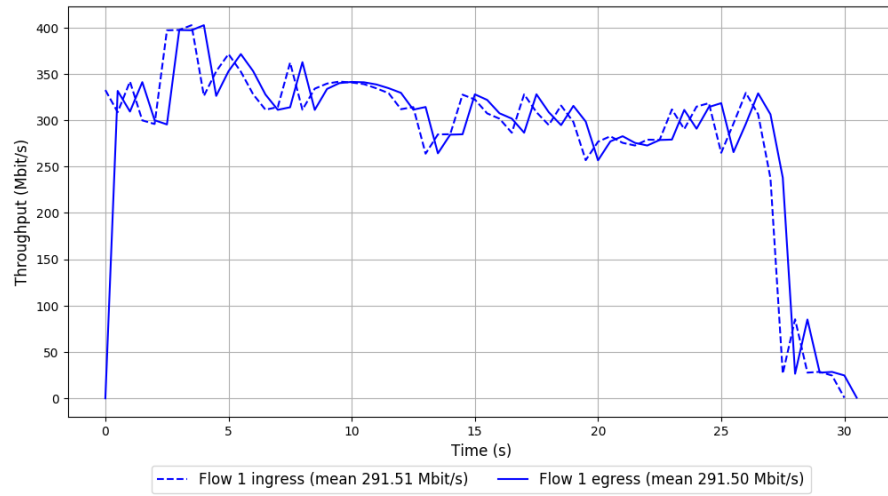
-- Flow 1:

Average throughput: 291.50 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-26 18:13:35

End at: 2019-08-26 18:14:05

Local clock offset: -0.234 ms

Remote clock offset: 2.644 ms

Below is generated by plot.py at 2019-08-26 21:06:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.05 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.00%

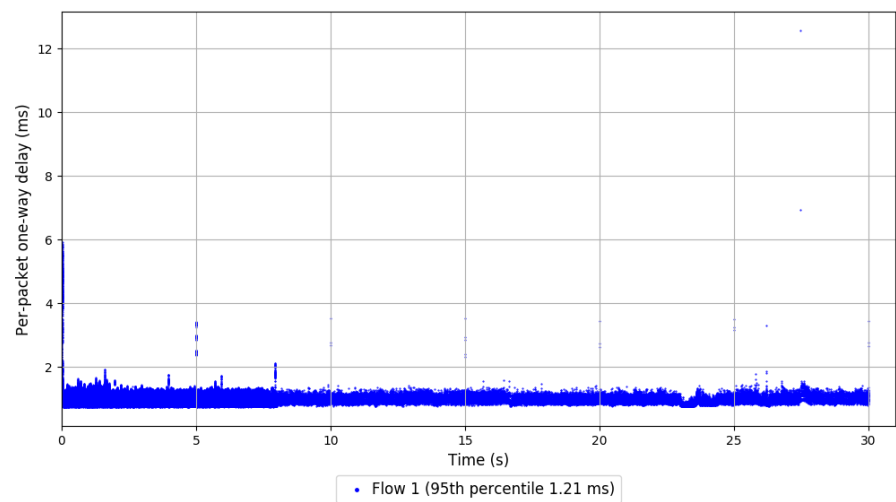
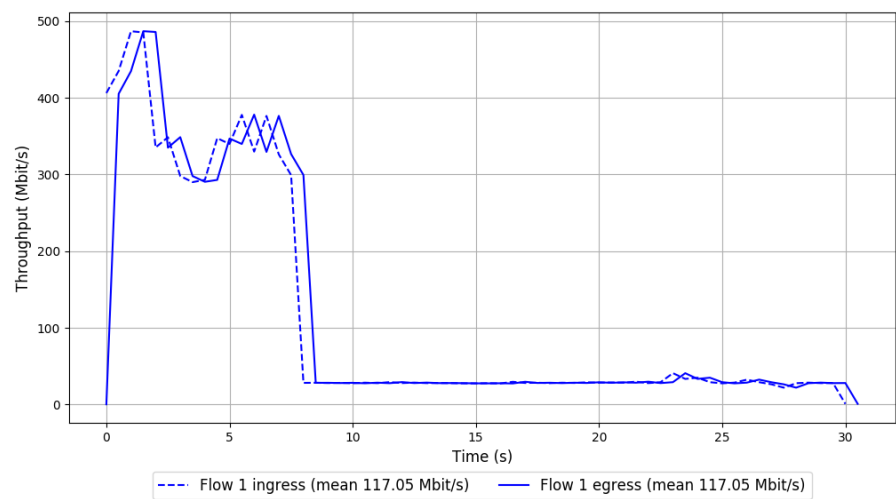
-- Flow 1:

Average throughput: 117.05 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-26 18:45:54

End at: 2019-08-26 18:46:24

Local clock offset: -0.547 ms

Remote clock offset: 0.513 ms

Below is generated by plot.py at 2019-08-26 21:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.79 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.00%

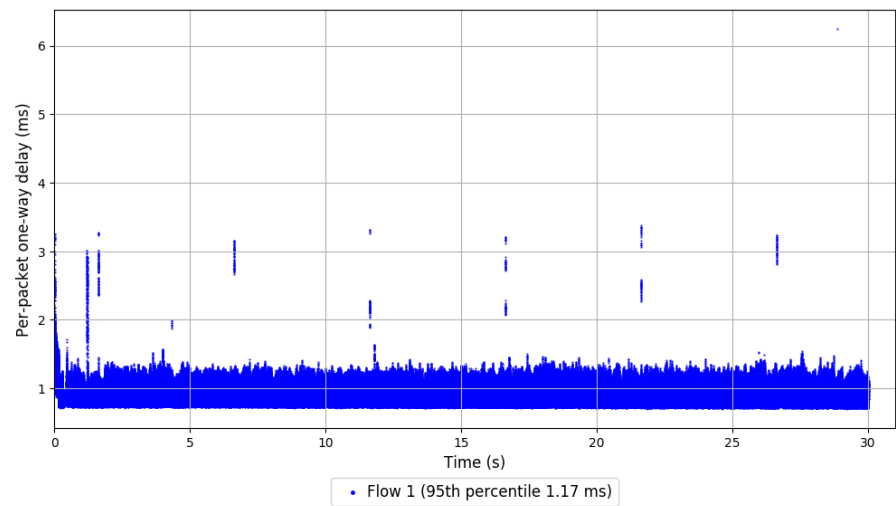
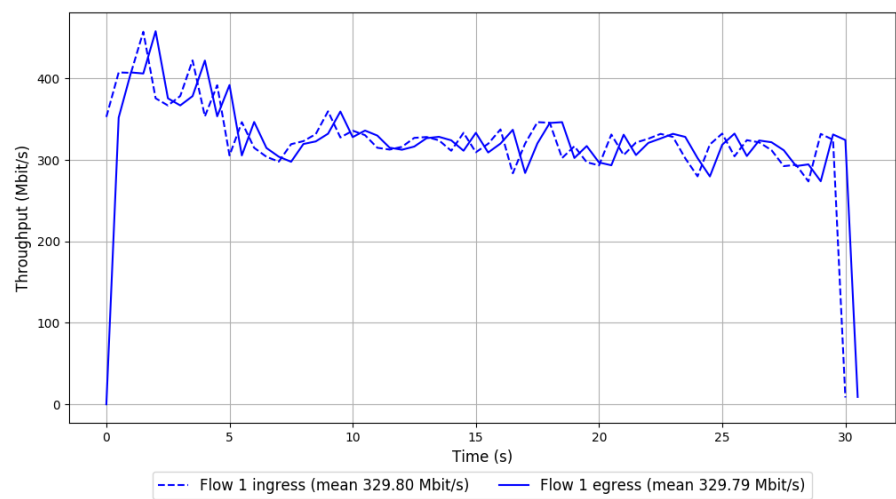
-- Flow 1:

Average throughput: 329.79 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-26 19:18:07

End at: 2019-08-26 19:18:37

Local clock offset: -1.29 ms

Remote clock offset: 3.079 ms

Below is generated by plot.py at 2019-08-26 21:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.02%

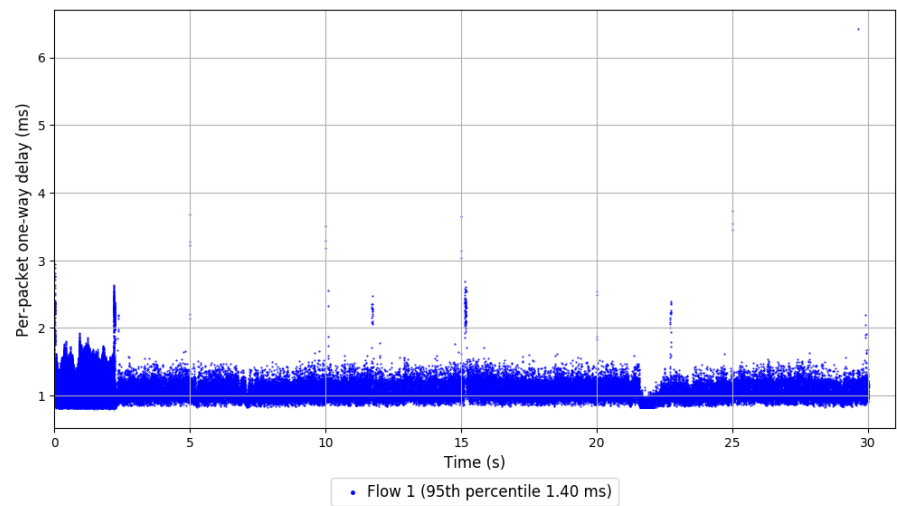
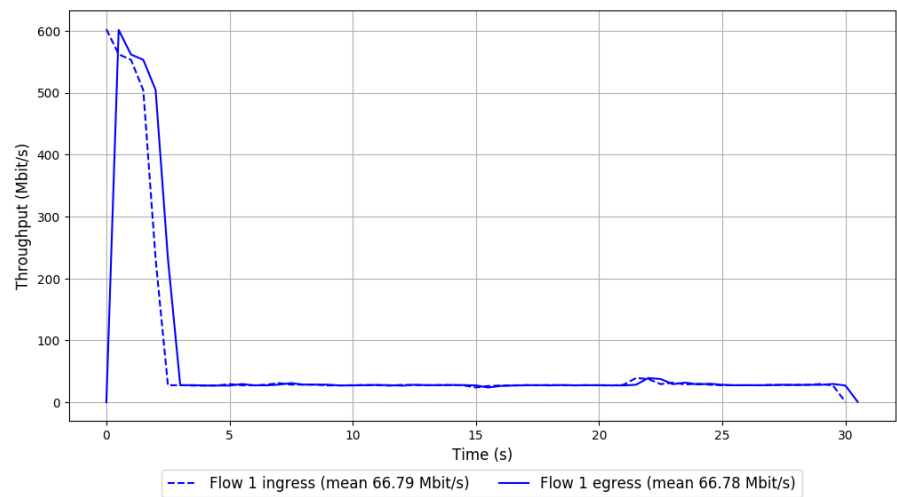
-- Flow 1:

Average throughput: 66.78 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-26 19:50:10

End at: 2019-08-26 19:50:40

Local clock offset: -1.408 ms

Remote clock offset: -1.0 ms

Below is generated by plot.py at 2019-08-26 21:07:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.04 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.00%

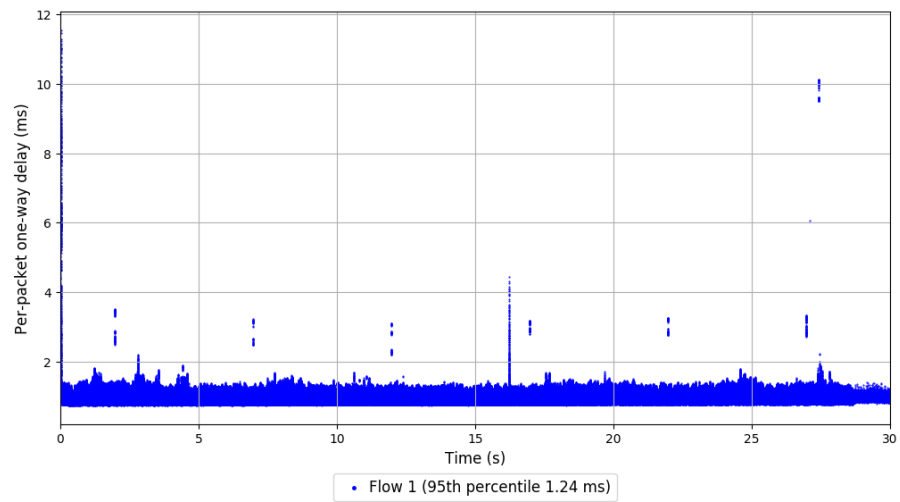
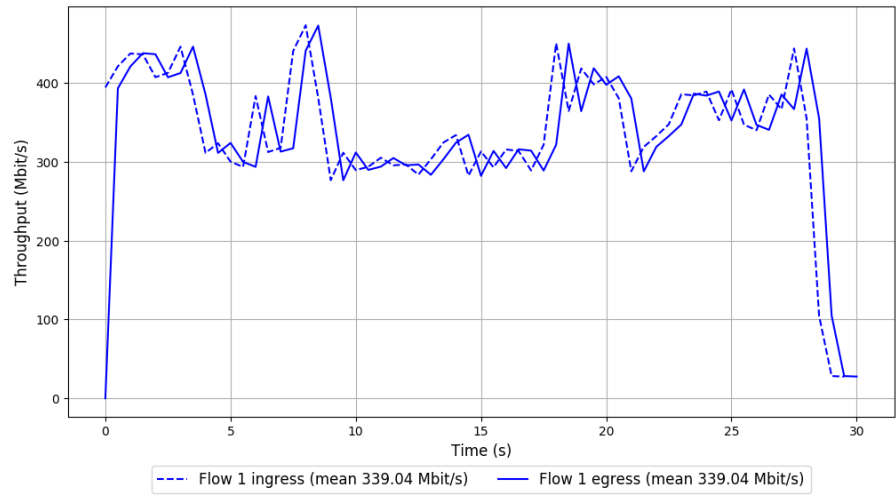
-- Flow 1:

Average throughput: 339.04 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-26 17:51:24

End at: 2019-08-26 17:51:54

Local clock offset: -0.603 ms

Remote clock offset: 2.391 ms

Below is generated by plot.py at 2019-08-26 21:07:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.05 Mbit/s

95th percentile per-packet one-way delay: 5.006 ms

Loss rate: 0.00%

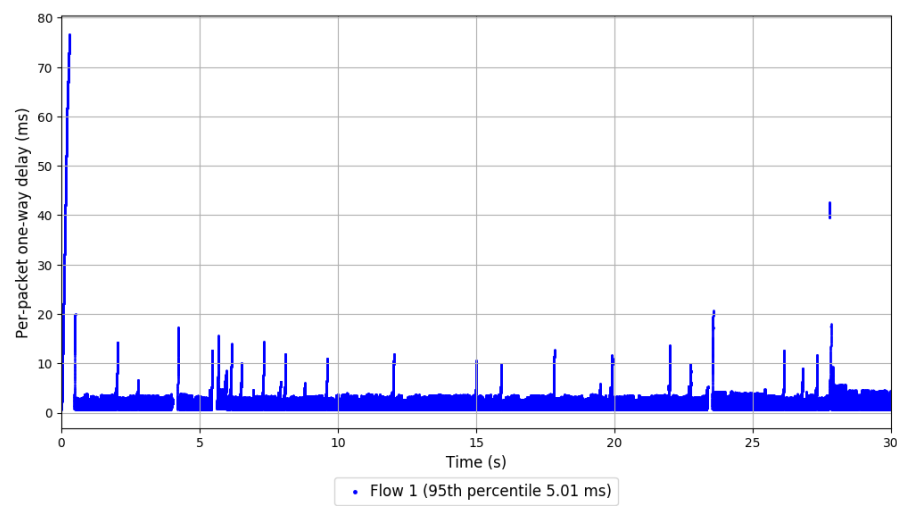
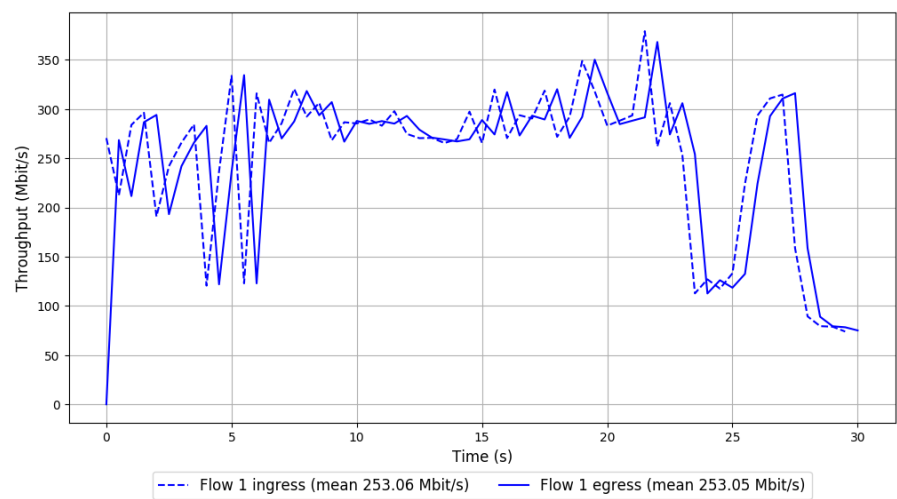
-- Flow 1:

Average throughput: 253.05 Mbit/s

95th percentile per-packet one-way delay: 5.006 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-26 18:23:52

End at: 2019-08-26 18:24:22

Local clock offset: 0.059 ms

Remote clock offset: 1.596 ms

Below is generated by plot.py at 2019-08-26 21:07:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.59 Mbit/s

95th percentile per-packet one-way delay: 6.735 ms

Loss rate: 0.45%

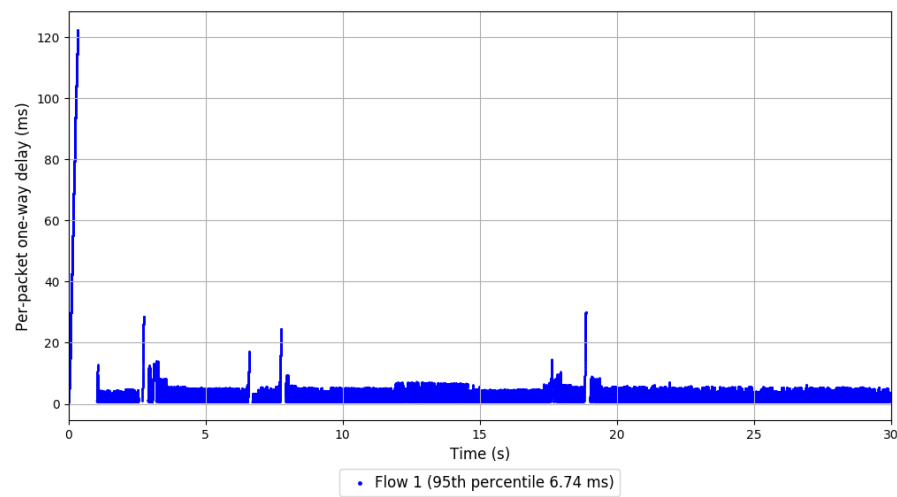
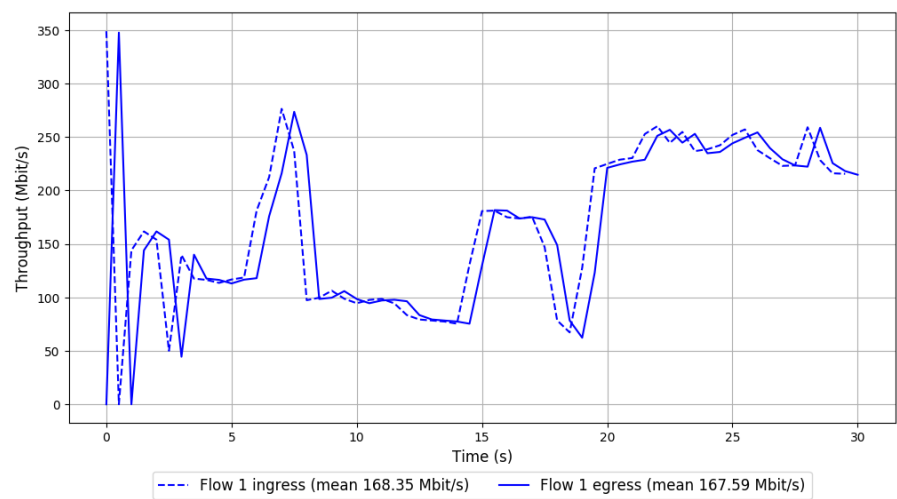
-- Flow 1:

Average throughput: 167.59 Mbit/s

95th percentile per-packet one-way delay: 6.735 ms

Loss rate: 0.45%

Run 2: Report of Verus — Data Link

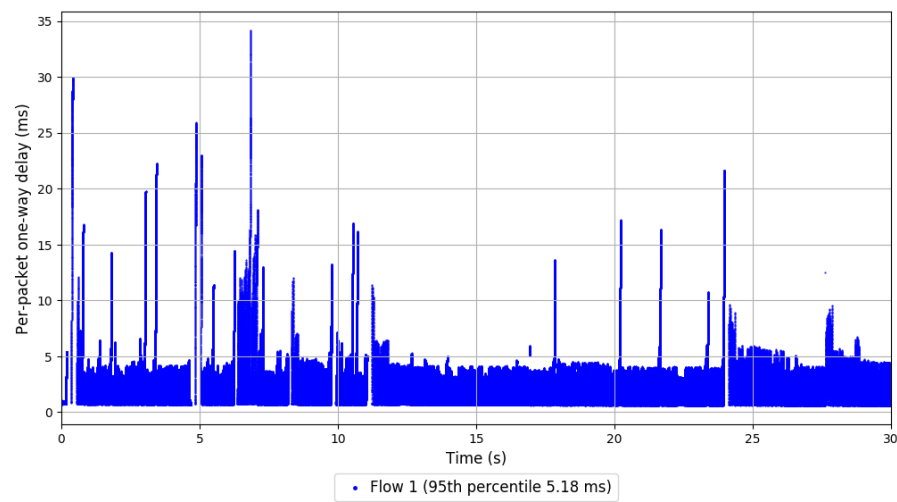
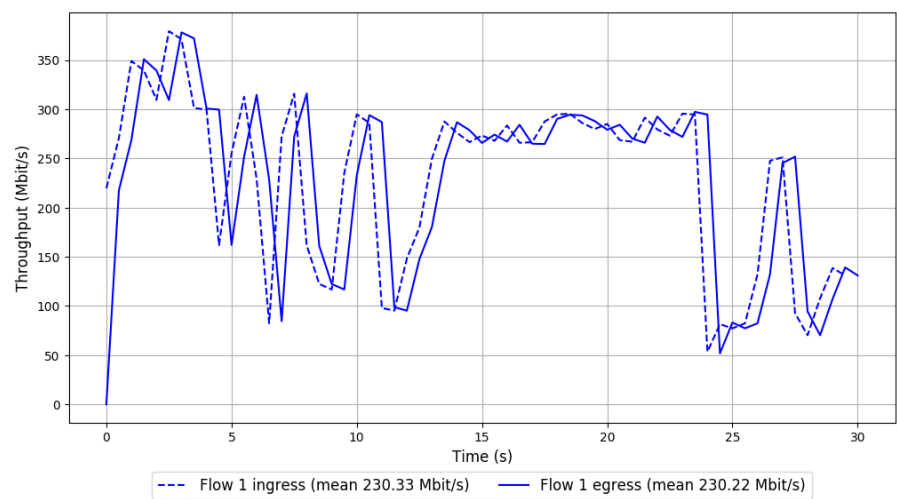


Run 3: Statistics of Verus

Start at: 2019-08-26 18:56:19
End at: 2019-08-26 18:56:49
Local clock offset: -1.021 ms
Remote clock offset: 1.071 ms

Below is generated by plot.py at 2019-08-26 21:07:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.22 Mbit/s
95th percentile per-packet one-way delay: 5.184 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 230.22 Mbit/s
95th percentile per-packet one-way delay: 5.184 ms
Loss rate: 0.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-08-26 19:28:21

End at: 2019-08-26 19:28:51

Local clock offset: -1.312 ms

Remote clock offset: 2.712 ms

Below is generated by plot.py at 2019-08-26 21:08:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.72 Mbit/s

95th percentile per-packet one-way delay: 7.640 ms

Loss rate: 0.01%

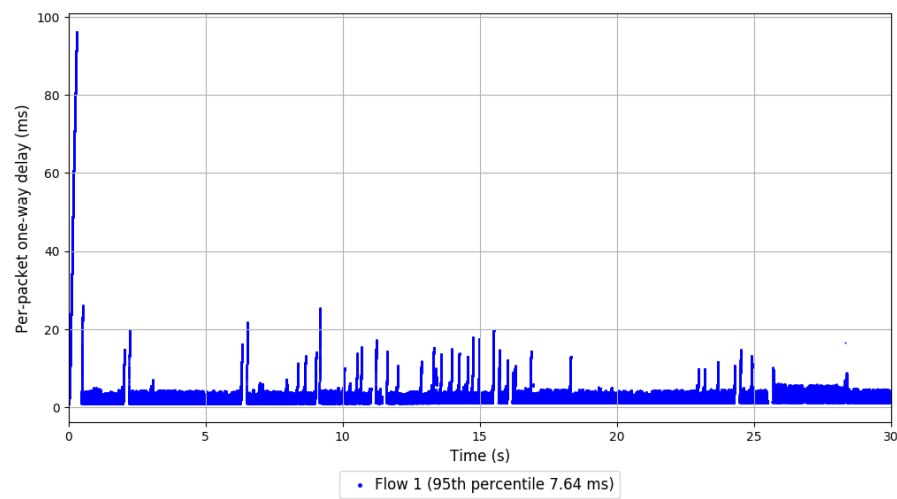
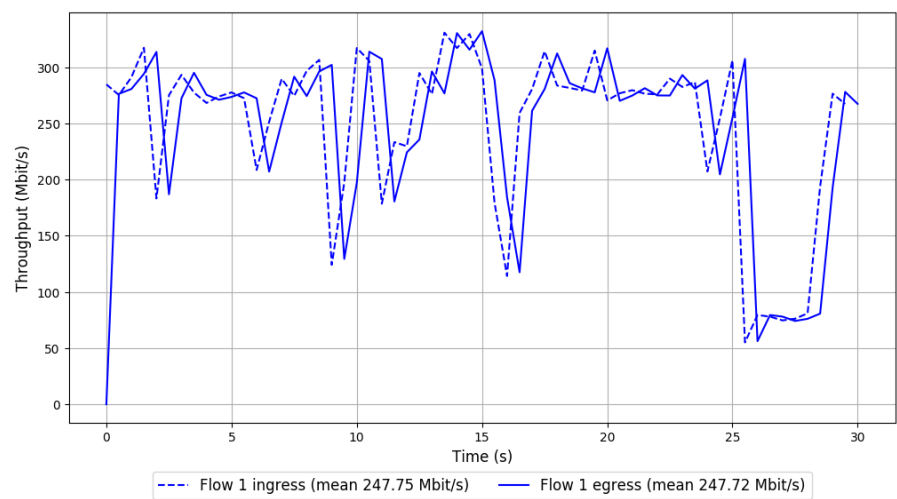
-- Flow 1:

Average throughput: 247.72 Mbit/s

95th percentile per-packet one-way delay: 7.640 ms

Loss rate: 0.01%

Run 4: Report of Verus — Data Link

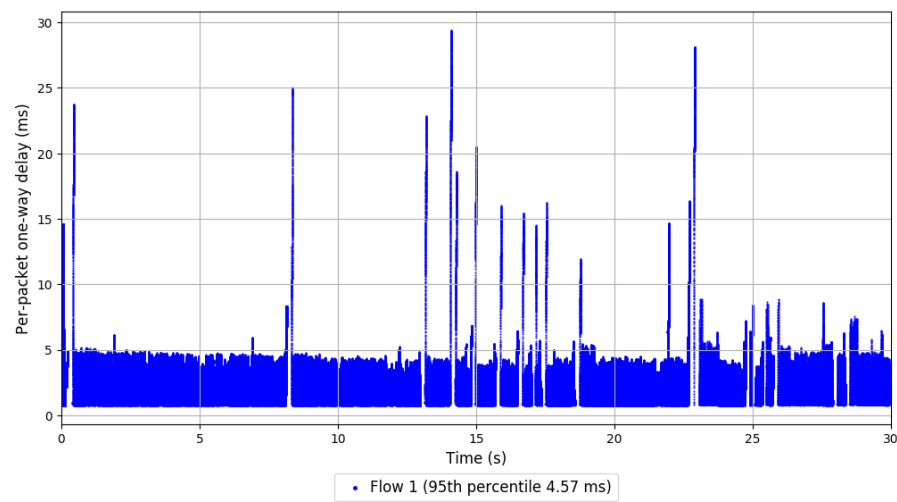
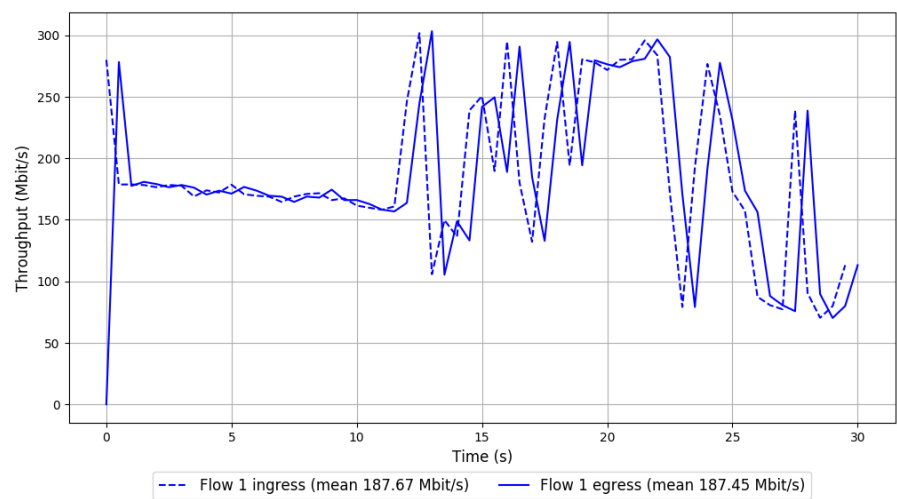


Run 5: Statistics of Verus

Start at: 2019-08-26 20:00:33
End at: 2019-08-26 20:01:03
Local clock offset: -1.42 ms
Remote clock offset: -1.623 ms

Below is generated by plot.py at 2019-08-26 21:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.45 Mbit/s
95th percentile per-packet one-way delay: 4.573 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 187.45 Mbit/s
95th percentile per-packet one-way delay: 4.573 ms
Loss rate: 0.10%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 17:58:28

End at: 2019-08-26 17:58:58

Local clock offset: -0.615 ms

Remote clock offset: 2.62 ms

Below is generated by plot.py at 2019-08-26 21:09:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.62 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.00%

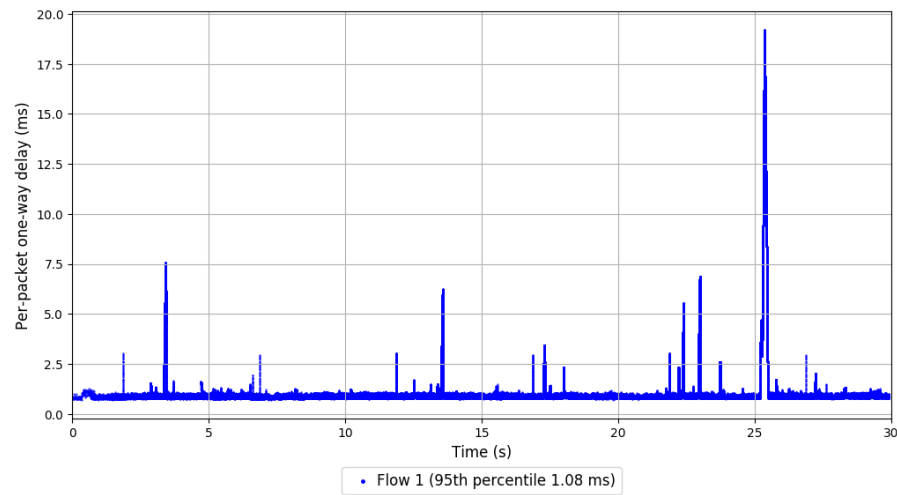
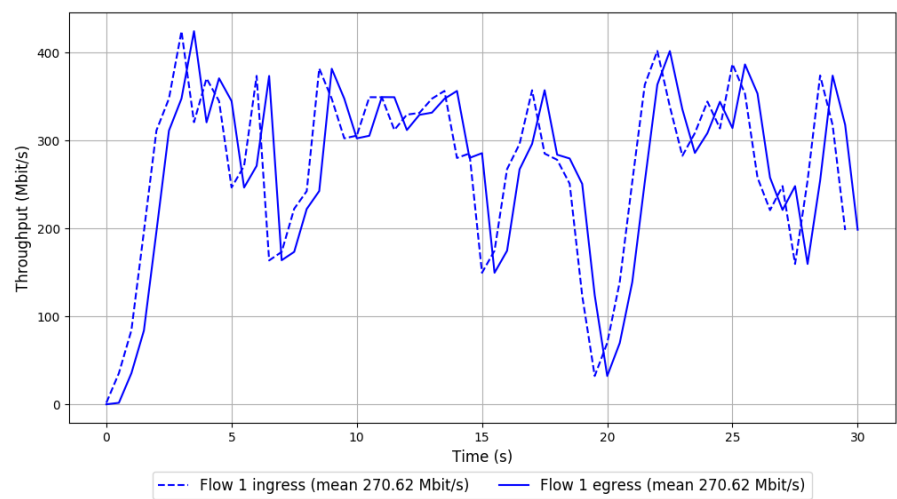
-- Flow 1:

Average throughput: 270.62 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-26 18:30:52

End at: 2019-08-26 18:31:22

Local clock offset: -0.033 ms

Remote clock offset: 0.703 ms

Below is generated by plot.py at 2019-08-26 21:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.62 Mbit/s

95th percentile per-packet one-way delay: 0.946 ms

Loss rate: 0.00%

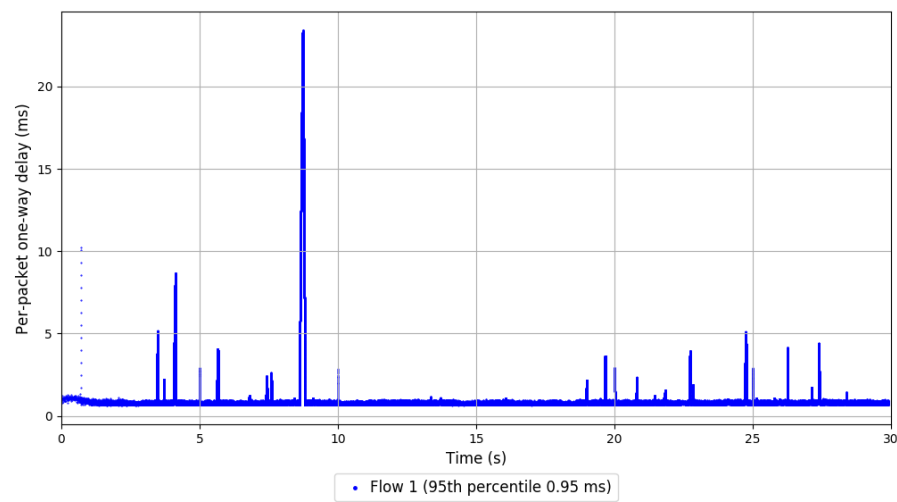
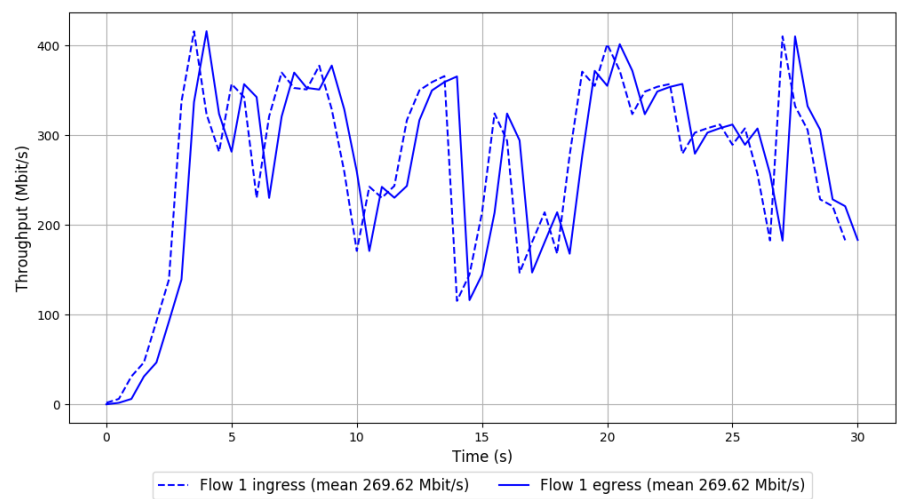
-- Flow 1:

Average throughput: 269.62 Mbit/s

95th percentile per-packet one-way delay: 0.946 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-26 19:03:17

End at: 2019-08-26 19:03:47

Local clock offset: -1.383 ms

Remote clock offset: 2.142 ms

Below is generated by plot.py at 2019-08-26 21:09:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.21 Mbit/s

95th percentile per-packet one-way delay: 16.850 ms

Loss rate: 0.00%

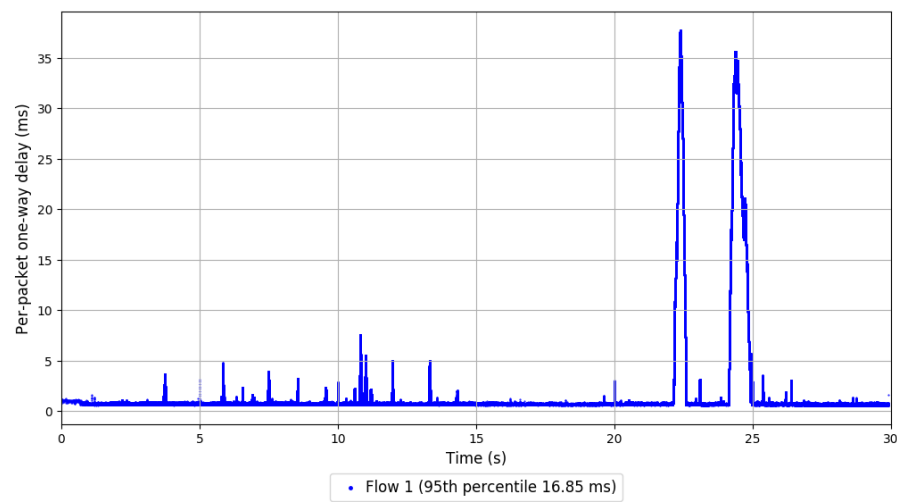
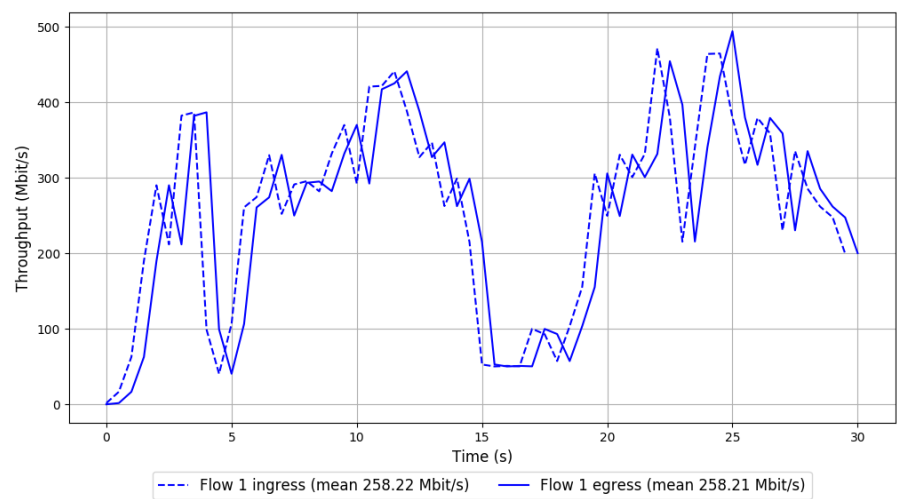
-- Flow 1:

Average throughput: 258.21 Mbit/s

95th percentile per-packet one-way delay: 16.850 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-26 19:35:18

End at: 2019-08-26 19:35:48

Local clock offset: -1.409 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-08-26 21:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.18 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.00%

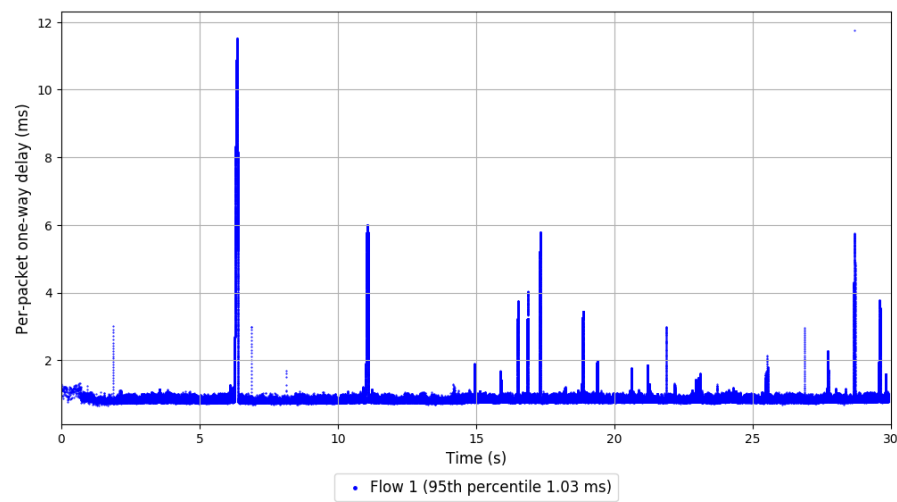
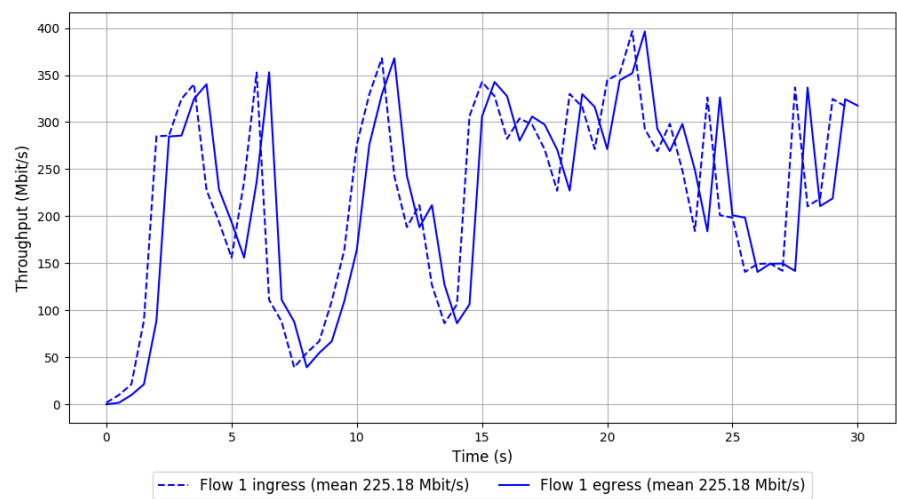
-- Flow 1:

Average throughput: 225.18 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

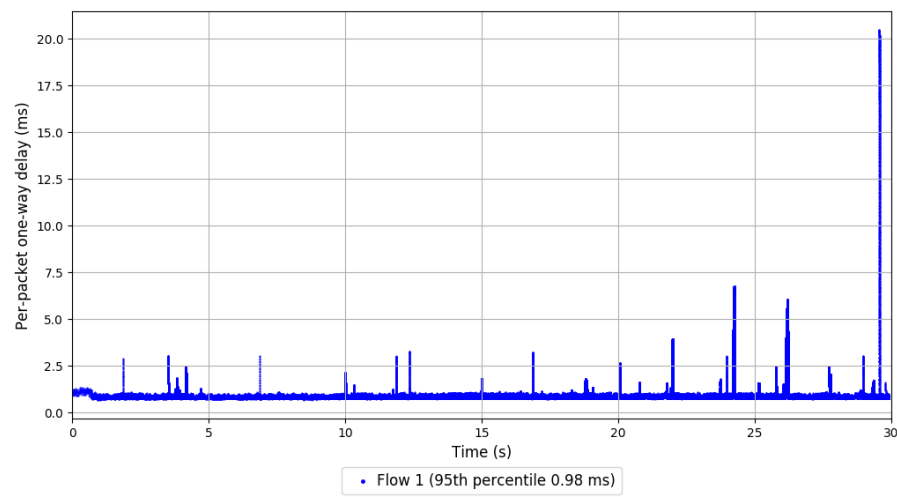
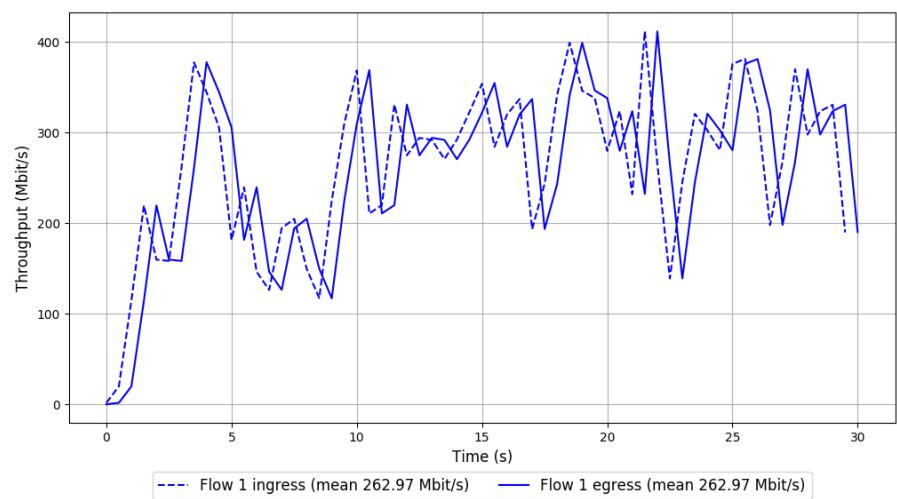


Run 5: Statistics of PCC-Vivace

Start at: 2019-08-26 20:07:30
End at: 2019-08-26 20:08:00
Local clock offset: -1.516 ms
Remote clock offset: -1.963 ms

Below is generated by plot.py at 2019-08-26 21:09:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.97 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.97 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-26 17:38:27

End at: 2019-08-26 17:38:57

Local clock offset: -0.973 ms

Remote clock offset: 1.883 ms

Below is generated by plot.py at 2019-08-26 21:09:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.103 ms

Loss rate: 0.00%

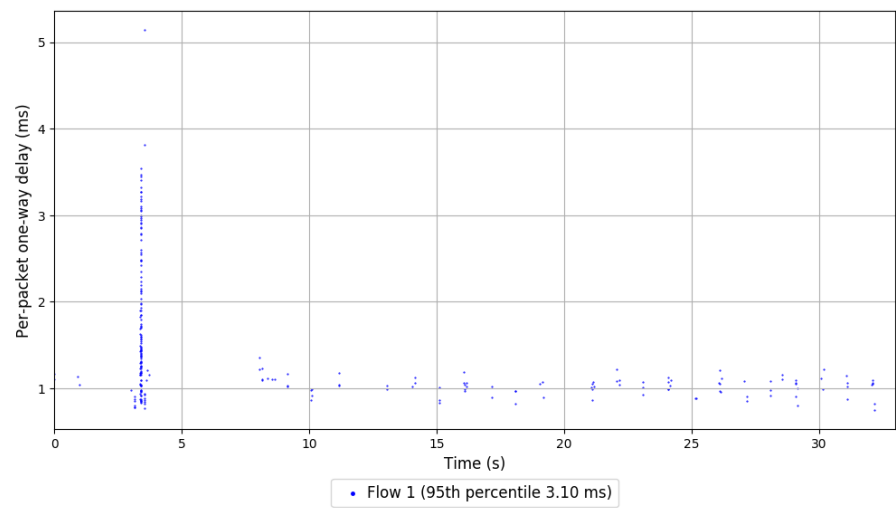
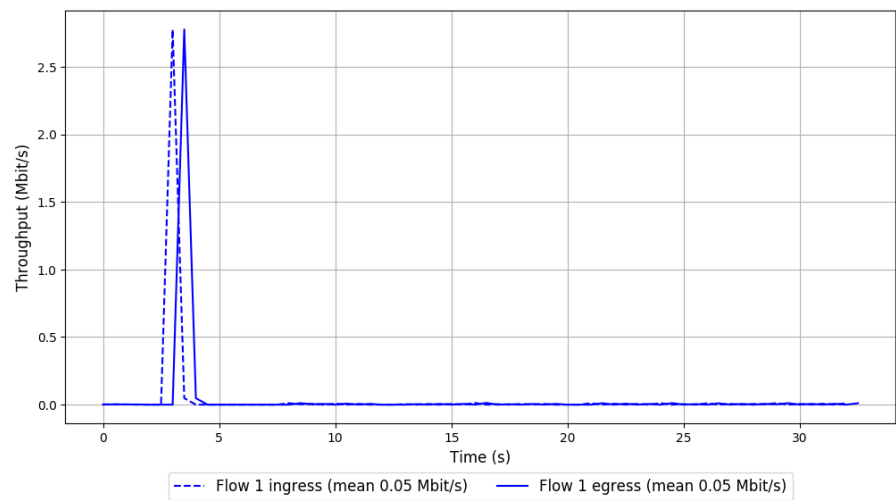
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.103 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-26 18:10:59

End at: 2019-08-26 18:11:29

Local clock offset: -0.287 ms

Remote clock offset: 2.704 ms

Below is generated by plot.py at 2019-08-26 21:09:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.671 ms

Loss rate: 0.00%

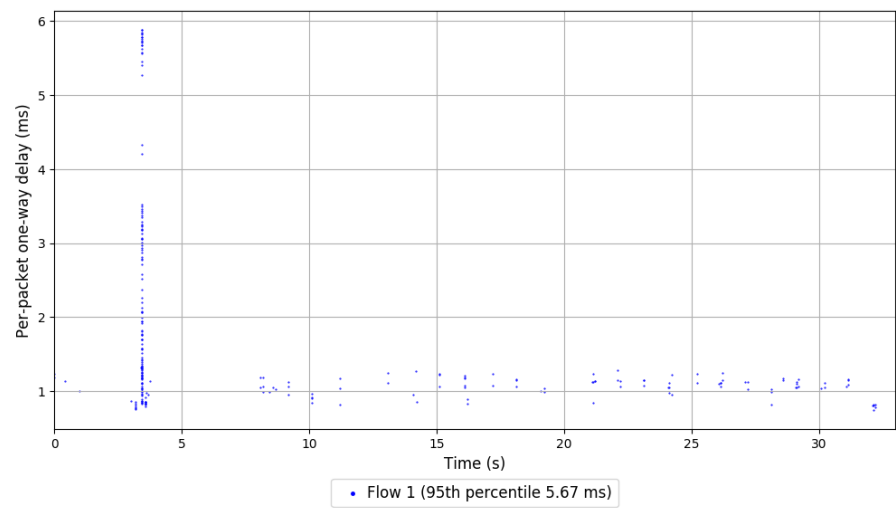
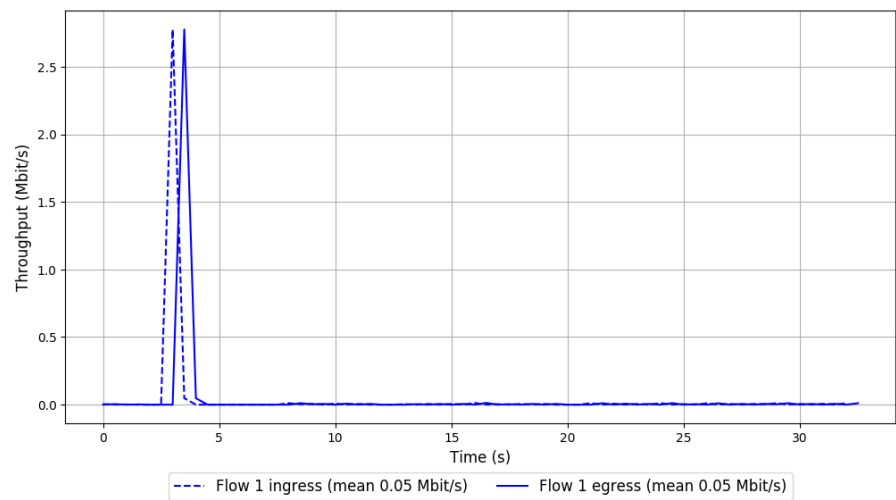
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.671 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-26 18:43:18

End at: 2019-08-26 18:43:48

Local clock offset: -0.463 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2019-08-26 21:09:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.916 ms

Loss rate: 0.00%

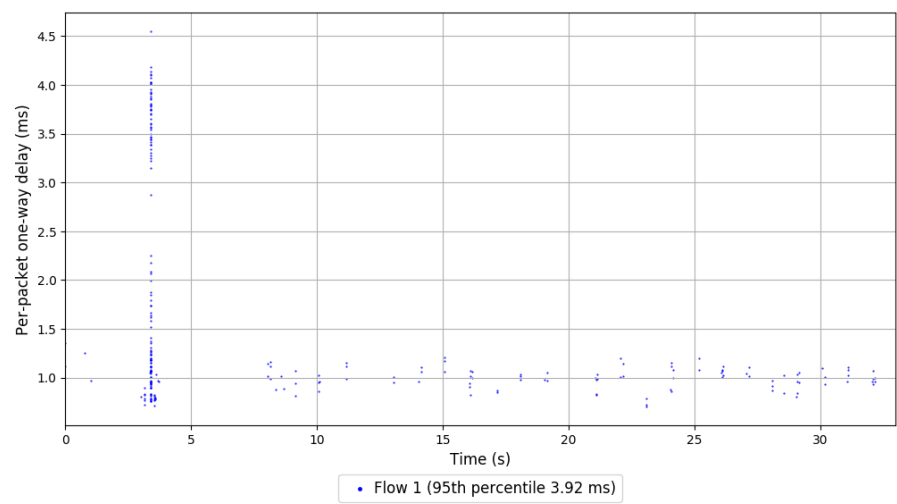
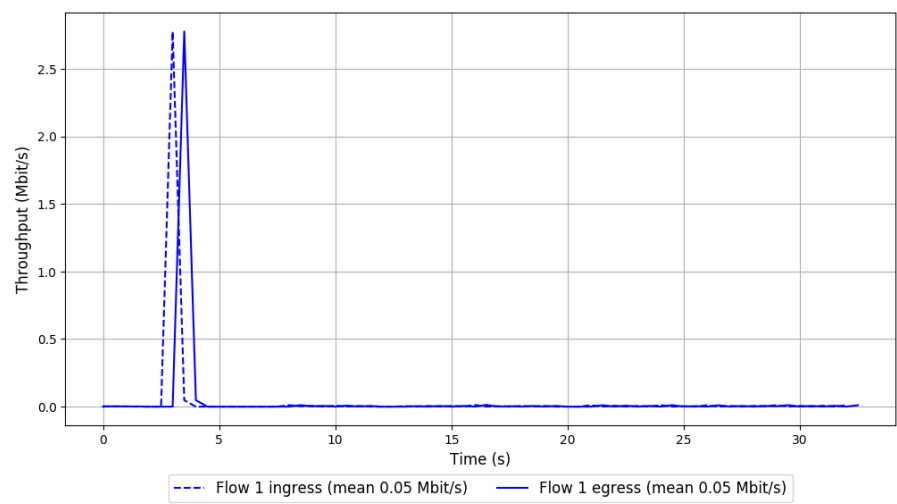
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.916 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-26 19:15:33

End at: 2019-08-26 19:16:03

Local clock offset: -1.358 ms

Remote clock offset: 3.051 ms

Below is generated by plot.py at 2019-08-26 21:09:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.481 ms

Loss rate: 0.00%

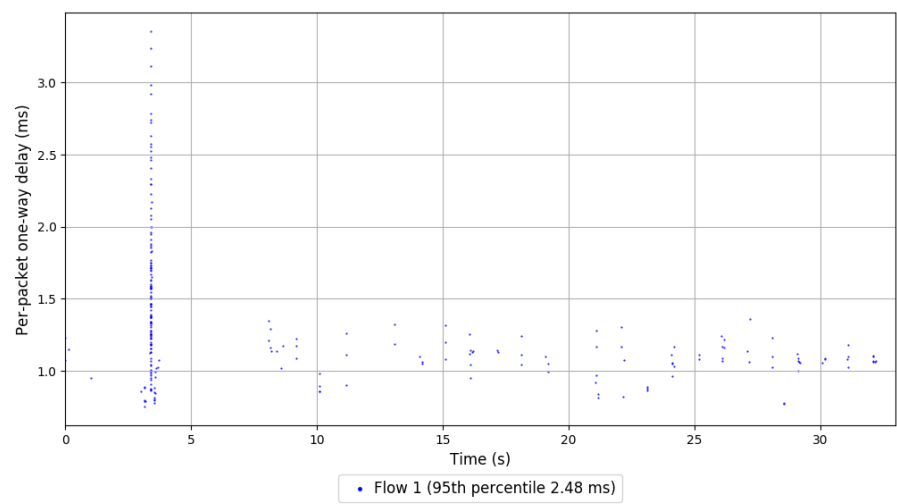
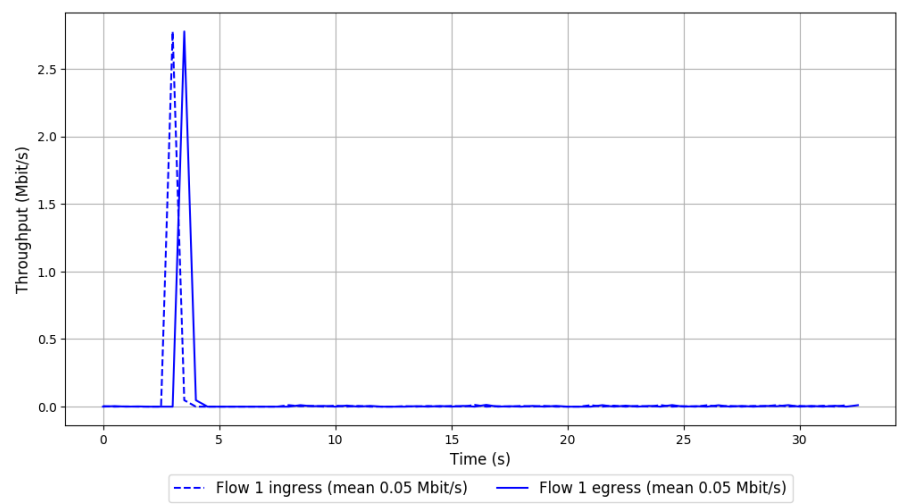
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.481 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-26 19:47:35
End at: 2019-08-26 19:48:05
Local clock offset: -1.408 ms
Remote clock offset: -0.922 ms

Below is generated by plot.py at 2019-08-26 21:09:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

