

Pantheon Report

Generated at 2019-07-12 01:38:33 (UTC).

Data path: AWS California 2 on **ens5** (*local*) → Mexico on **em1** (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against **time.stanford.edu** and have been applied to correct the timestamps in logs.

System info:

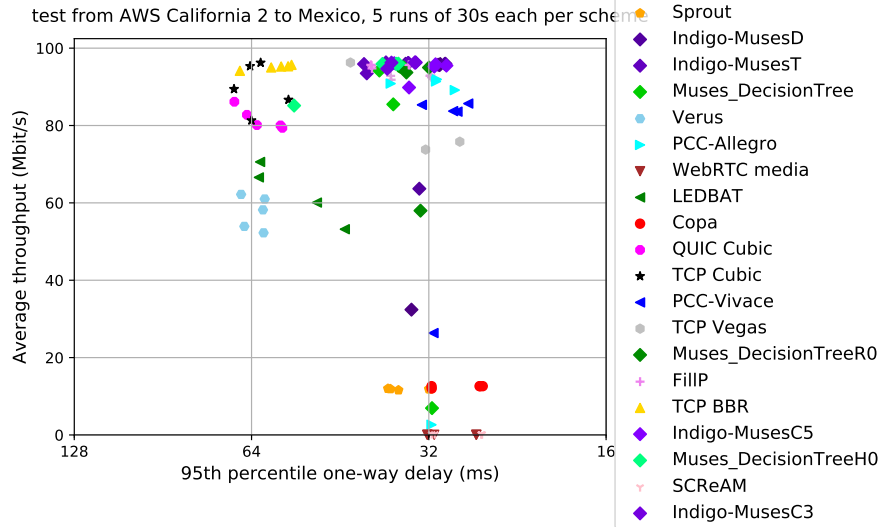
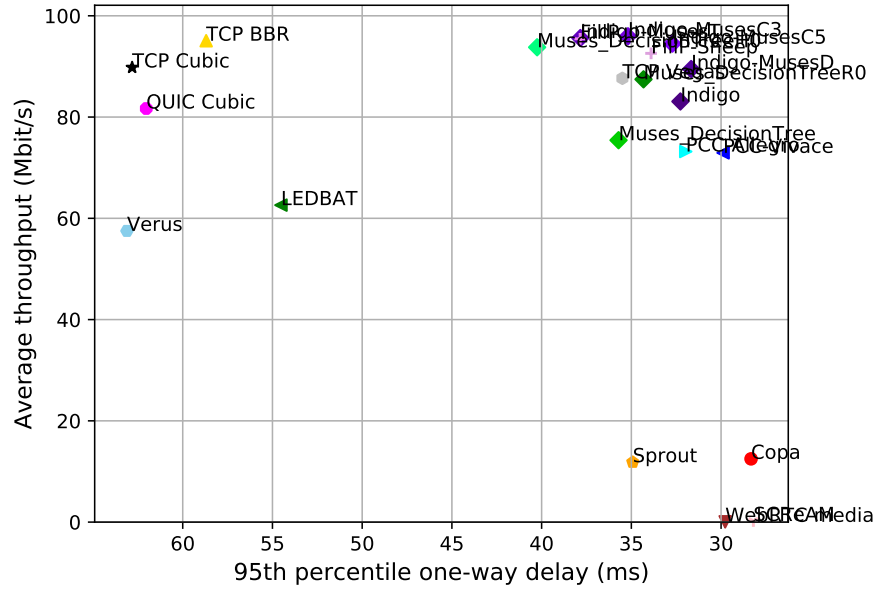
```
Linux 4.15.0-1041-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00
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 2 to Mexico, 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	95.08	58.69	2.80
Copa	5	12.49	28.33	62.28
TCP Cubic	5	89.79	62.82	0.53
FillP	5	95.45	37.85	0.64
FillP-Sheep	5	92.58	33.90	0.58
Indigo	5	83.08	32.27	0.02
Indigo-MusesC3	5	95.96	35.19	0.02
Indigo-MusesC5	5	94.50	32.71	0.03
Indigo-MusesD	5	89.49	31.67	0.02
Indigo-MusesT	5	95.61	37.84	0.50
LEDBAT	4	62.61	54.53	0.02
Muses_DecisionTree	5	75.43	35.71	0.06
Muses_DecisionTreeH0	5	93.78	40.25	0.83
Muses_DecisionTreeR0	5	87.45	34.32	0.07
PCC-Allegro	5	73.19	31.97	0.56
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	81.69	62.03	1.38
SCReAM	5	0.21	28.20	0.00
Sprout	5	11.84	34.92	0.03
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	87.65	35.50	0.31
Verus	5	57.51	63.11	20.79
PCC-Vivace	5	72.93	29.89	0.00
WebRTC media	5	0.05	29.77	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-11 22:54:35

End at: 2019-07-11 22:55:05

Local clock offset: 6.032 ms

Remote clock offset: -2.714 ms

Below is generated by plot.py at 2019-07-12 01:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 55.480 ms

Loss rate: 2.41%

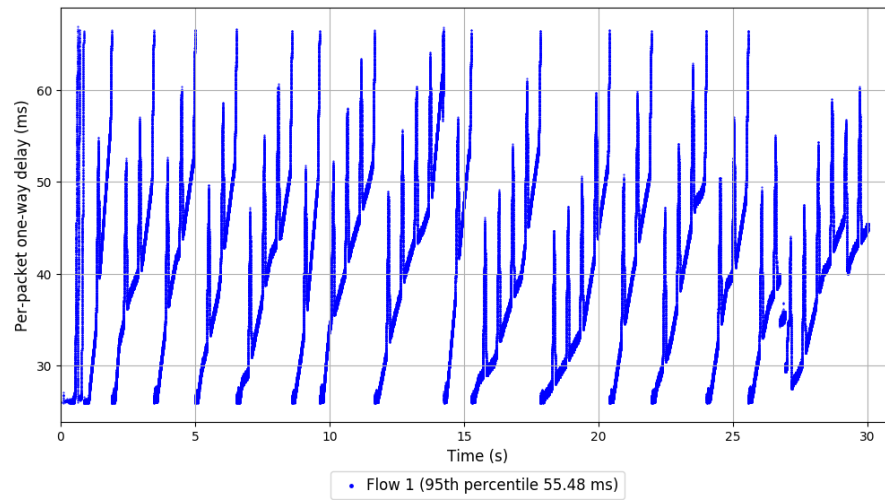
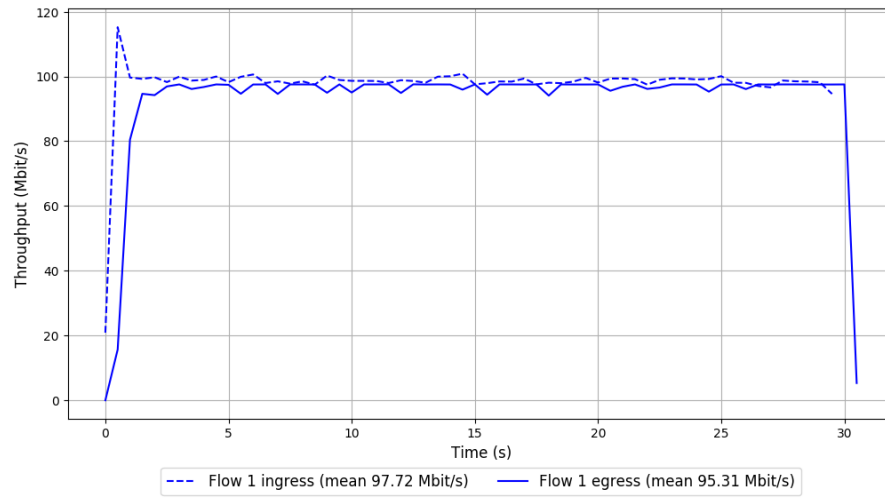
-- Flow 1:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 55.480 ms

Loss rate: 2.41%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-07-11 23:25:59

End at: 2019-07-11 23:26:29

Local clock offset: 5.673 ms

Remote clock offset: -2.602 ms

Below is generated by plot.py at 2019-07-12 01:26:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 1.35%

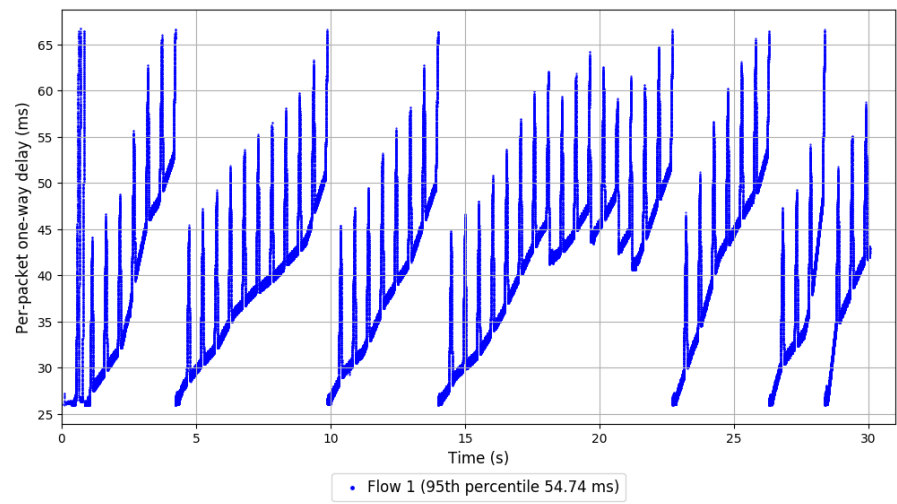
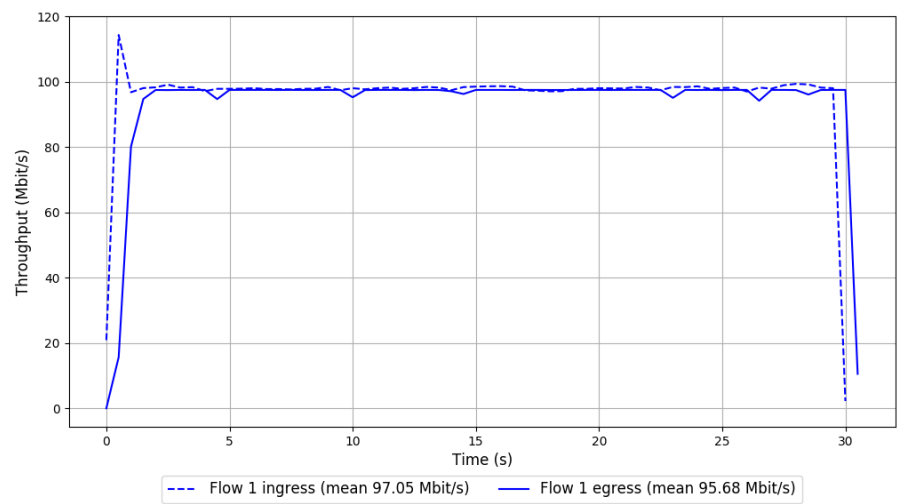
-- Flow 1:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 1.35%

Run 2: Report of TCP BBR — Data Link

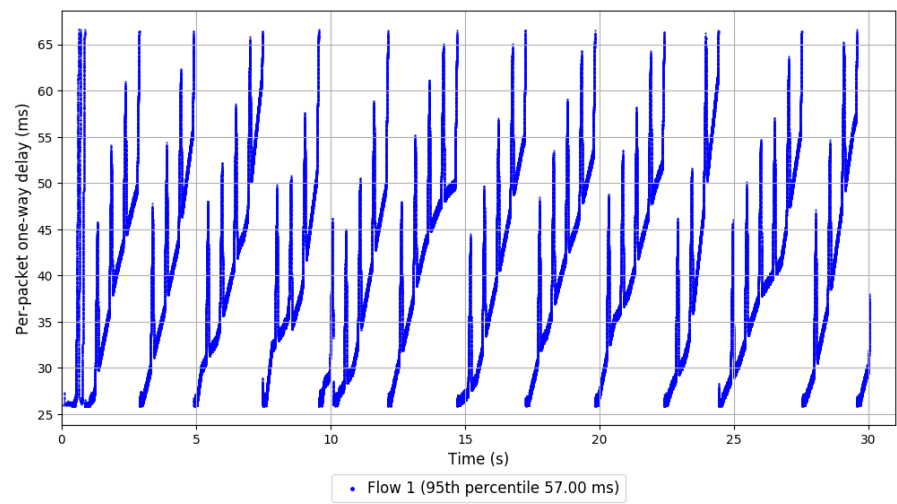
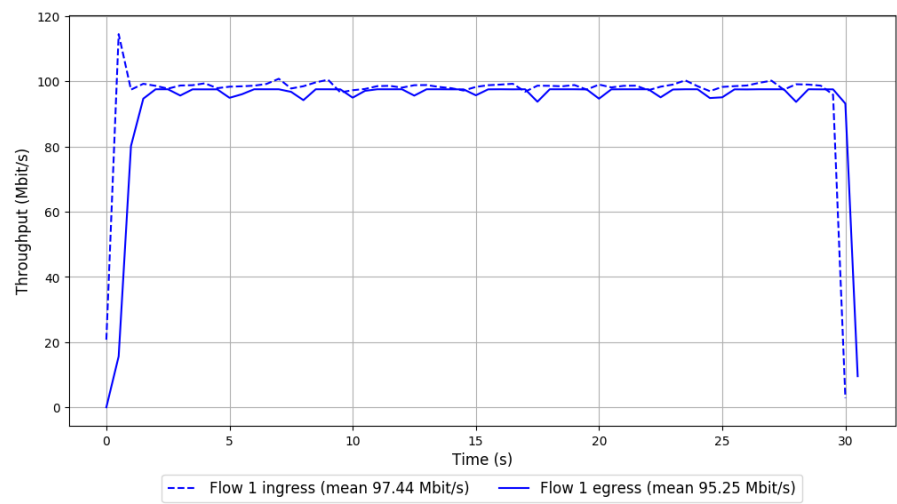


Run 3: Statistics of TCP BBR

Start at: 2019-07-11 23:57:11
End at: 2019-07-11 23:57:41
Local clock offset: 5.87 ms
Remote clock offset: -2.218 ms

Below is generated by plot.py at 2019-07-12 01:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 56.999 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 56.999 ms
Loss rate: 2.21%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-12 00:31:33

End at: 2019-07-12 00:32:03

Local clock offset: 1.845 ms

Remote clock offset: -3.004 ms

Below is generated by plot.py at 2019-07-12 01:26:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 59.262 ms

Loss rate: 1.30%

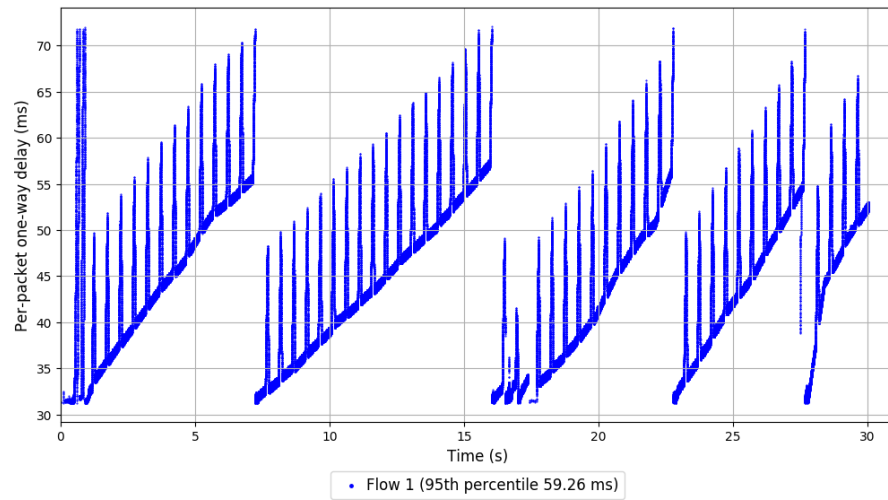
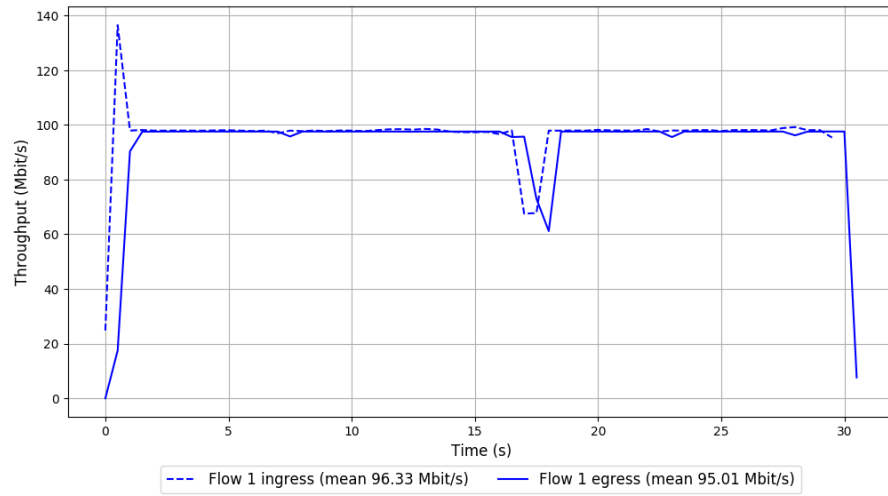
-- Flow 1:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 59.262 ms

Loss rate: 1.30%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-12 01:04:02

End at: 2019-07-12 01:04:32

Local clock offset: 0.959 ms

Remote clock offset: -3.52 ms

Below is generated by plot.py at 2019-07-12 01:26:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 66.992 ms

Loss rate: 6.74%

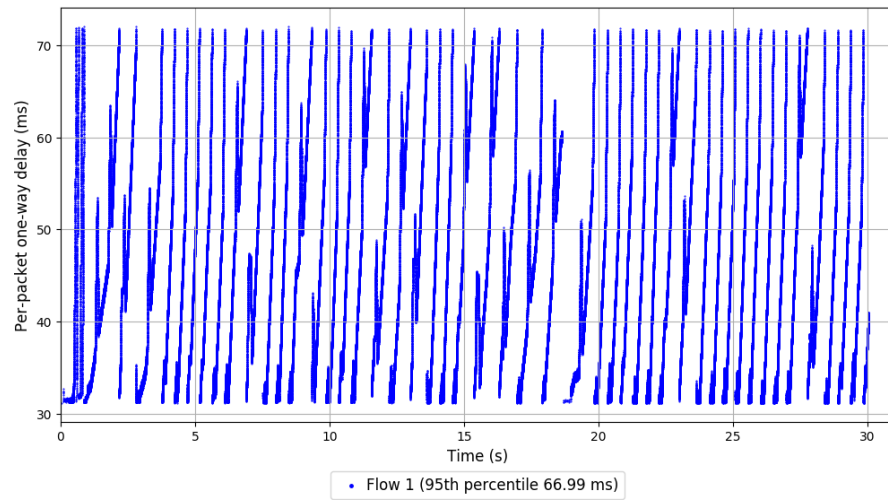
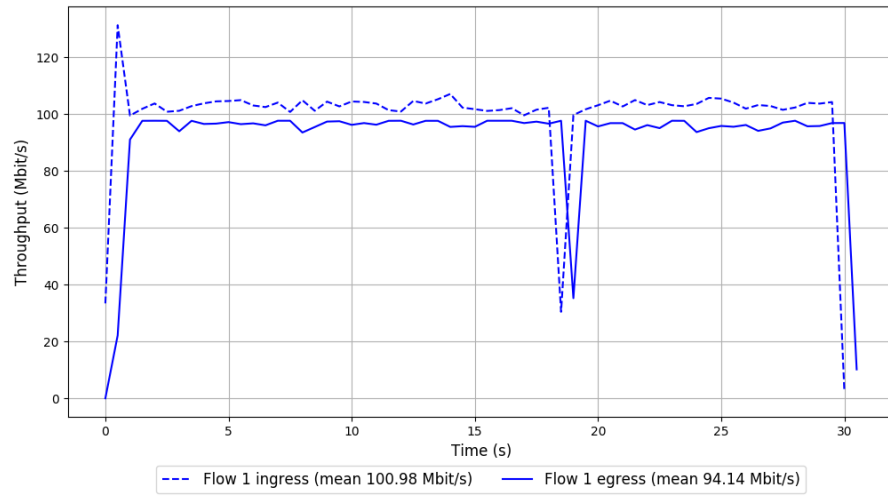
-- Flow 1:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 66.992 ms

Loss rate: 6.74%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

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

End at: 2019-07-11 22:58:49

Local clock offset: 6.126 ms

Remote clock offset: -2.67 ms

Below is generated by plot.py at 2019-07-12 01:26:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 26.178 ms

Loss rate: 68.93%

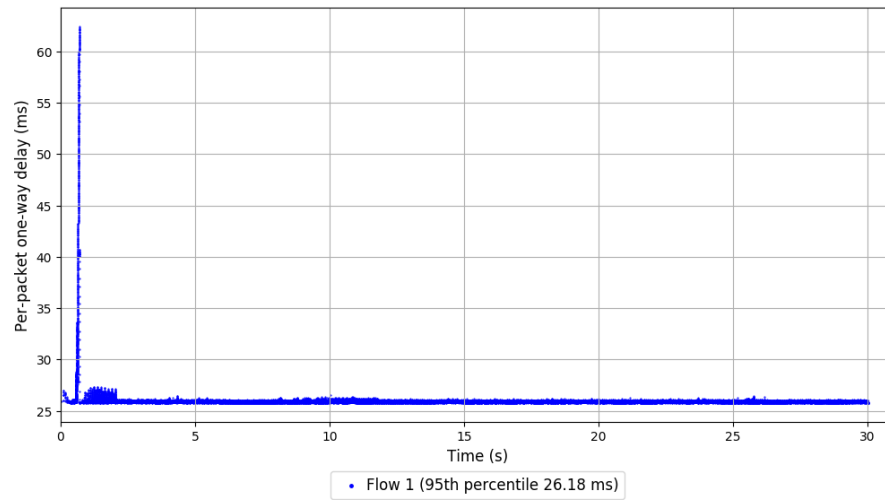
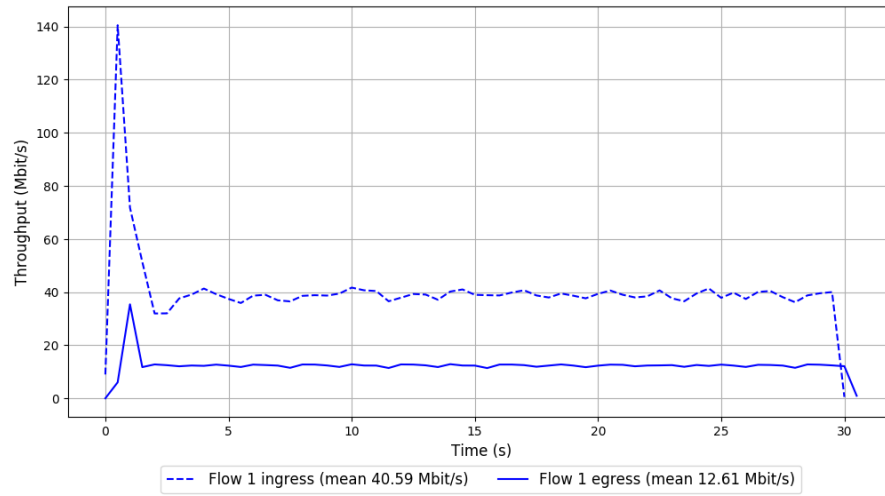
-- Flow 1:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 26.178 ms

Loss rate: 68.93%

Run 1: Report of Copa — Data Link

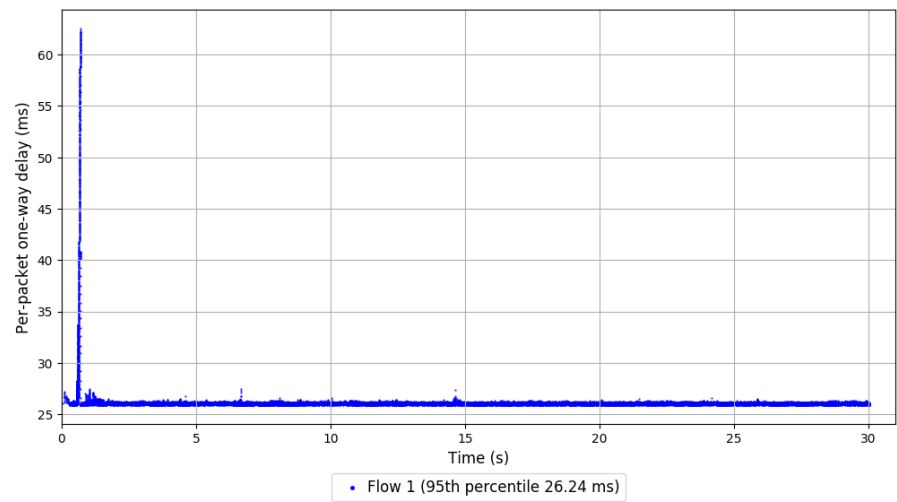
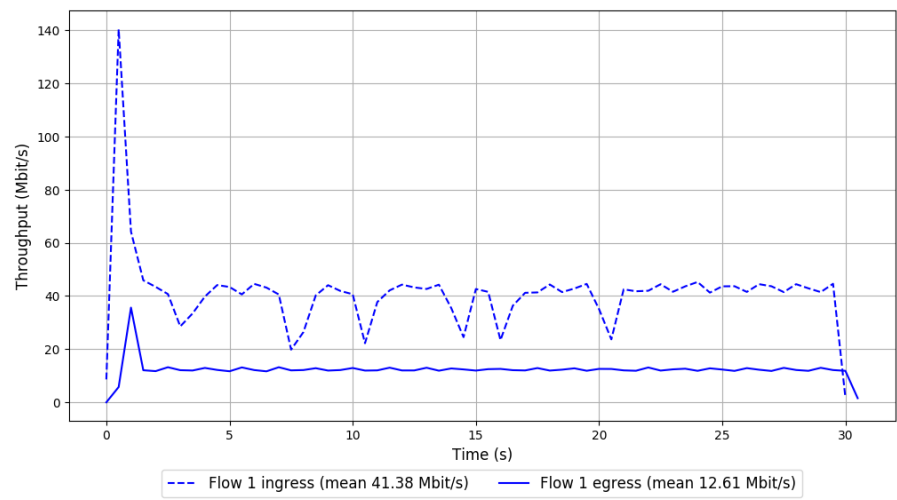


Run 2: Statistics of Copa

Start at: 2019-07-11 23:30:24
End at: 2019-07-11 23:30:54
Local clock offset: 5.705 ms
Remote clock offset: -2.506 ms

Below is generated by plot.py at 2019-07-12 01:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 26.242 ms
Loss rate: 69.53%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 26.242 ms
Loss rate: 69.53%

Run 2: Report of Copa — Data Link

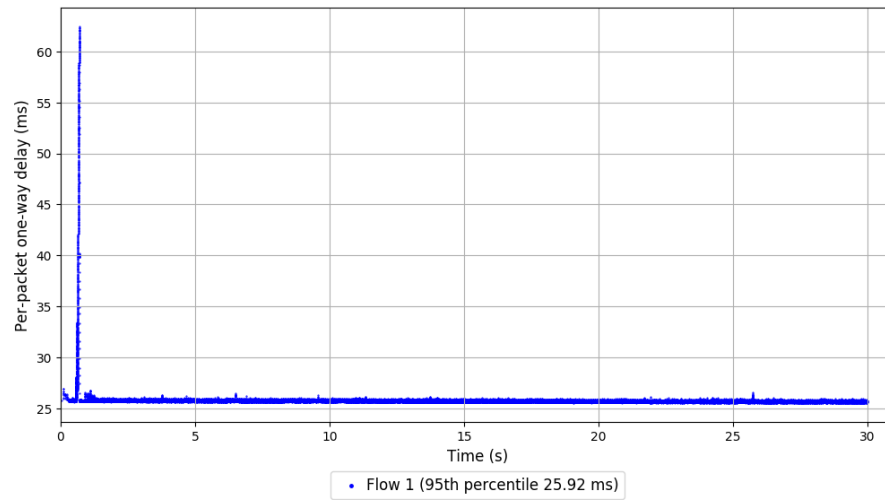
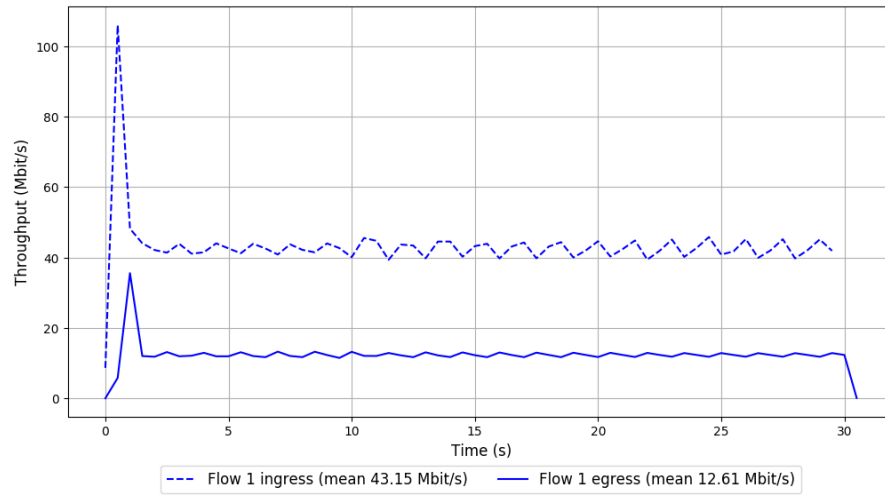


Run 3: Statistics of Copa

Start at: 2019-07-12 00:00:50
End at: 2019-07-12 00:01:20
Local clock offset: 5.27 ms
Remote clock offset: -2.362 ms

Below is generated by plot.py at 2019-07-12 01:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 25.919 ms
Loss rate: 70.77%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 25.919 ms
Loss rate: 70.77%

Run 3: Report of Copa — Data Link

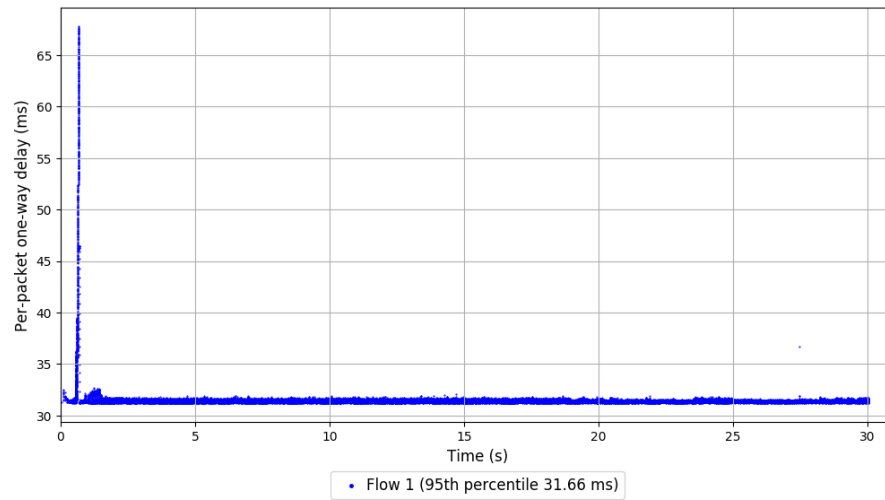
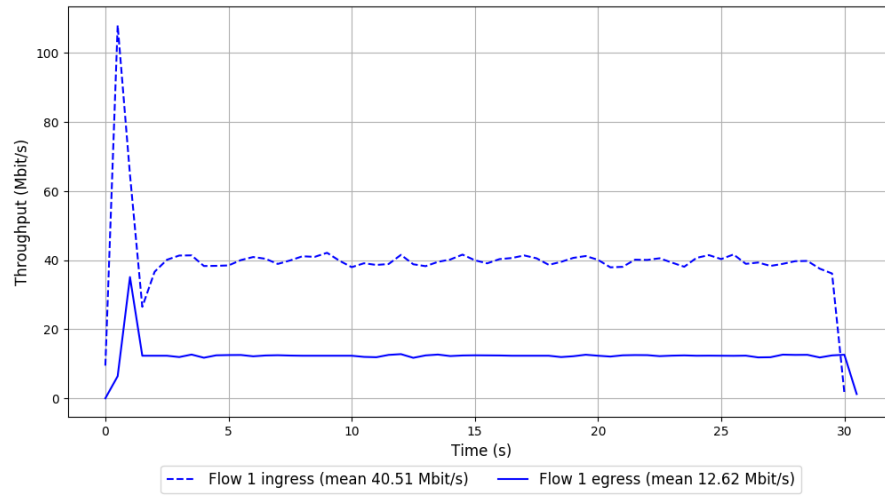


Run 4: Statistics of Copa

Start at: 2019-07-12 00:35:13
End at: 2019-07-12 00:35:43
Local clock offset: 2.139 ms
Remote clock offset: -3.001 ms

Below is generated by plot.py at 2019-07-12 01:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 31.660 ms
Loss rate: 68.86%
-- Flow 1:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 31.660 ms
Loss rate: 68.86%

Run 4: Report of Copa — Data Link

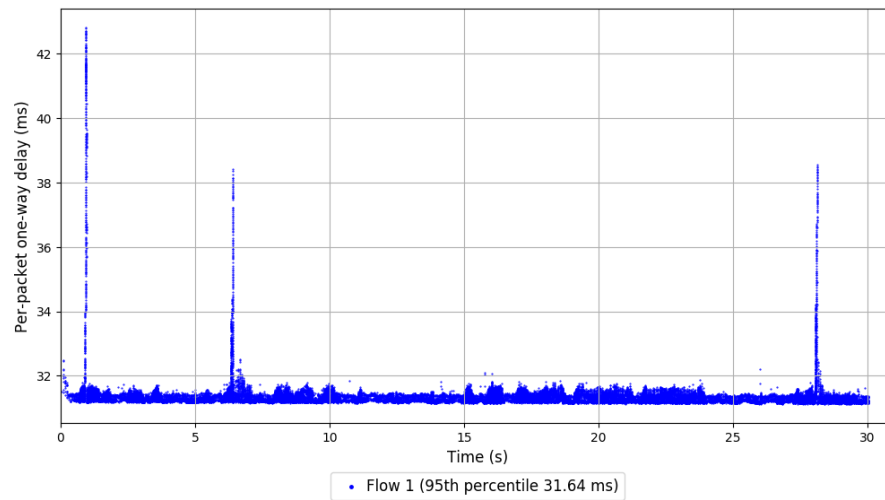
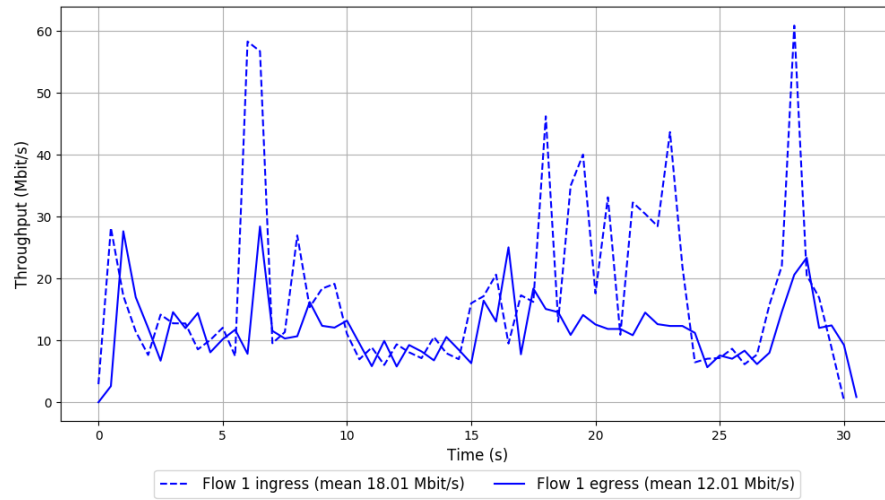


Run 5: Statistics of Copa

Start at: 2019-07-12 01:08:23
End at: 2019-07-12 01:08:53
Local clock offset: 0.271 ms
Remote clock offset: -3.776 ms

Below is generated by plot.py at 2019-07-12 01:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 31.644 ms
Loss rate: 33.32%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 31.644 ms
Loss rate: 33.32%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-07-11 23:03:04

End at: 2019-07-11 23:03:34

Local clock offset: 5.935 ms

Remote clock offset: -2.671 ms

Below is generated by plot.py at 2019-07-12 01:26:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 64.368 ms

Loss rate: 0.57%

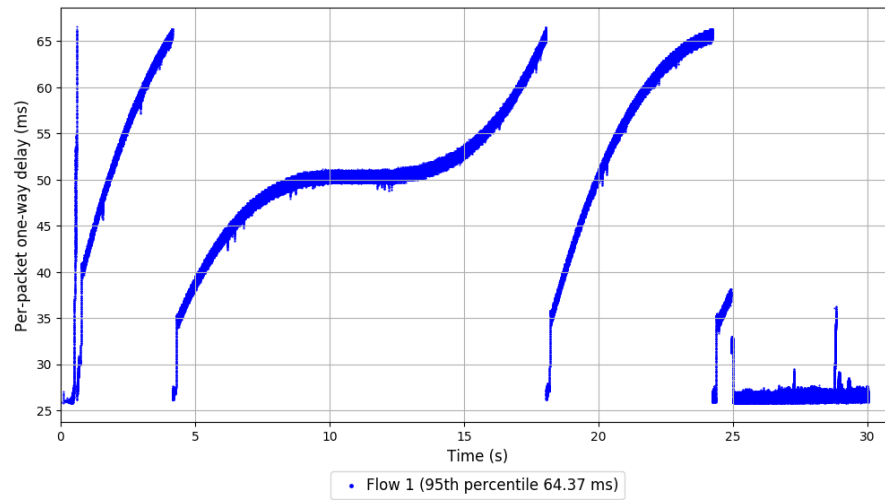
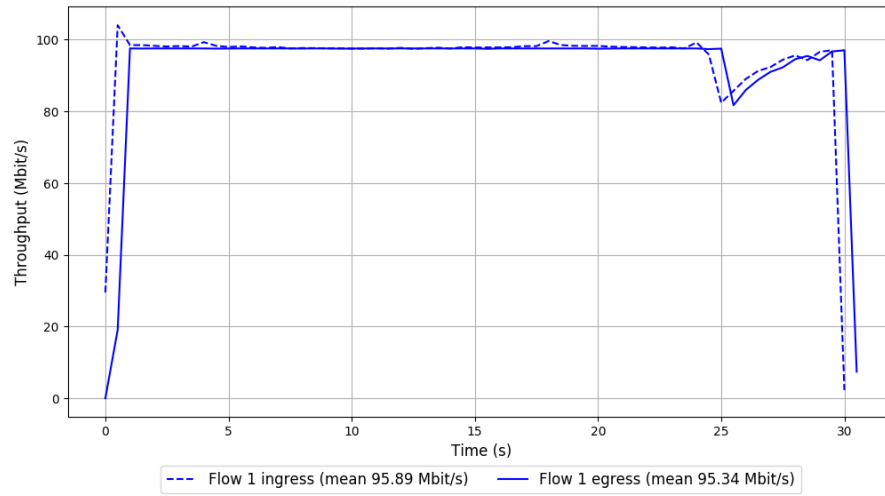
-- Flow 1:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 64.368 ms

Loss rate: 0.57%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-07-11 23:35:21

End at: 2019-07-11 23:35:51

Local clock offset: 5.727 ms

Remote clock offset: -2.5 ms

Below is generated by plot.py at 2019-07-12 01:27:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 61.771 ms

Loss rate: 0.46%

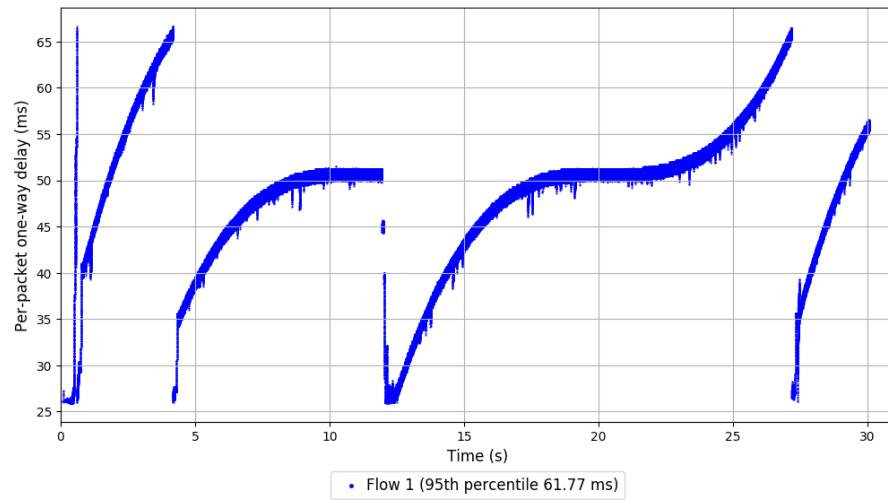
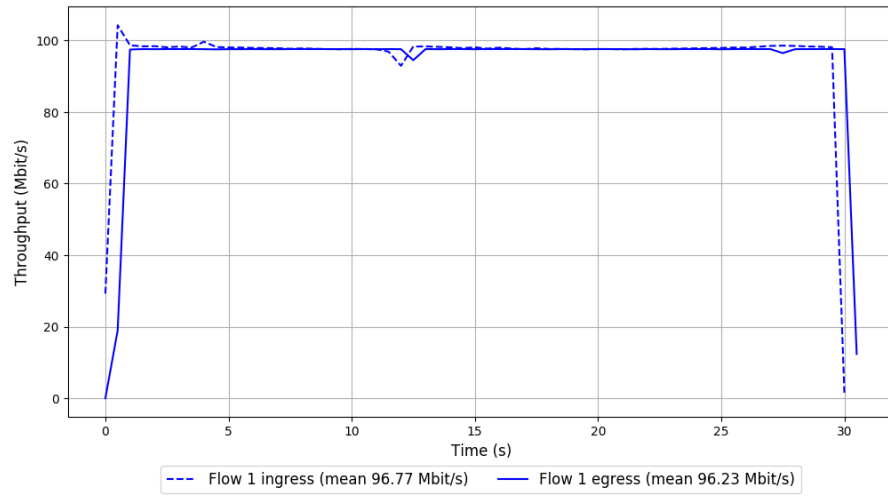
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 61.771 ms

Loss rate: 0.46%

Run 2: Report of TCP Cubic — Data Link

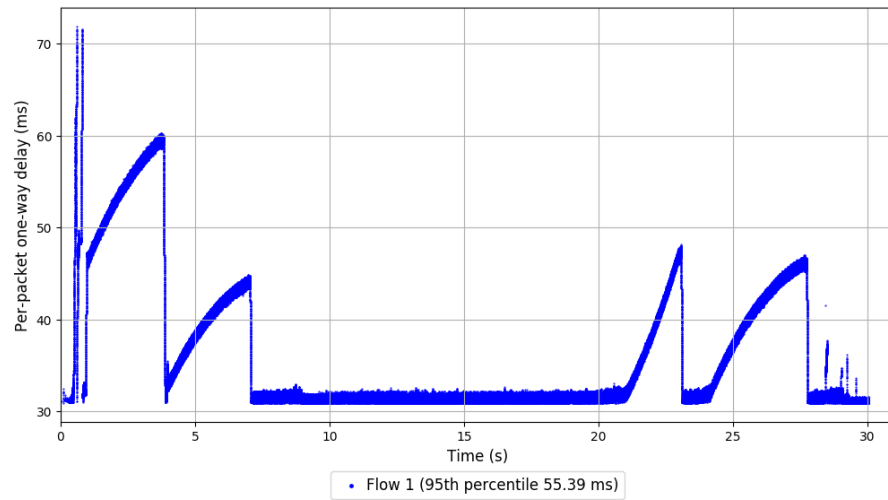
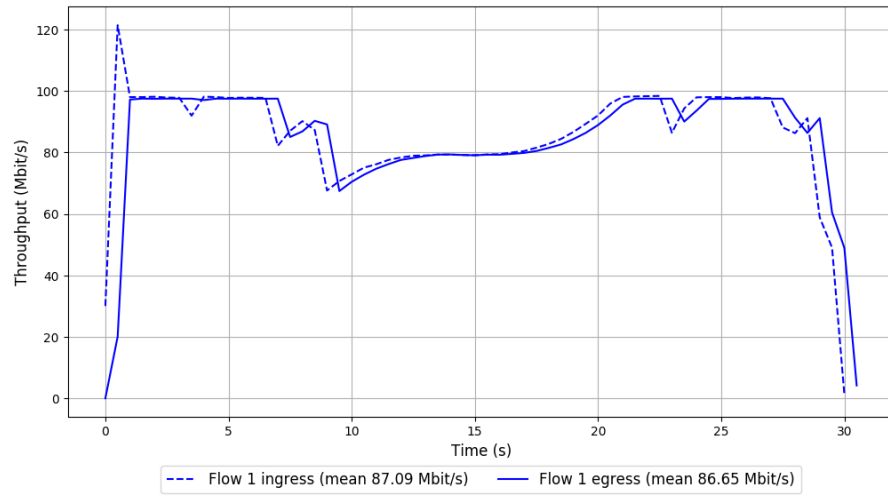


Run 3: Statistics of TCP Cubic

Start at: 2019-07-12 00:10:13
End at: 2019-07-12 00:10:43
Local clock offset: 3.228 ms
Remote clock offset: -2.616 ms

Below is generated by plot.py at 2019-07-12 01:27:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 55.394 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 55.394 ms
Loss rate: 0.51%

Run 3: Report of TCP Cubic — Data Link

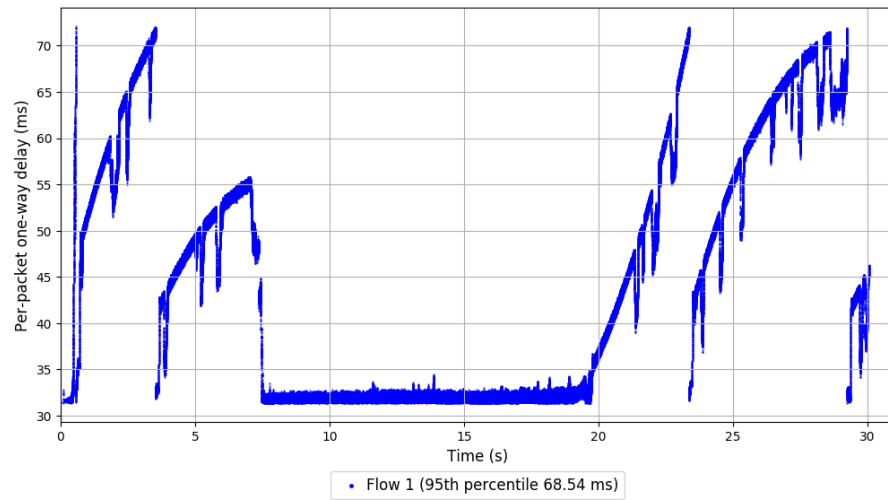
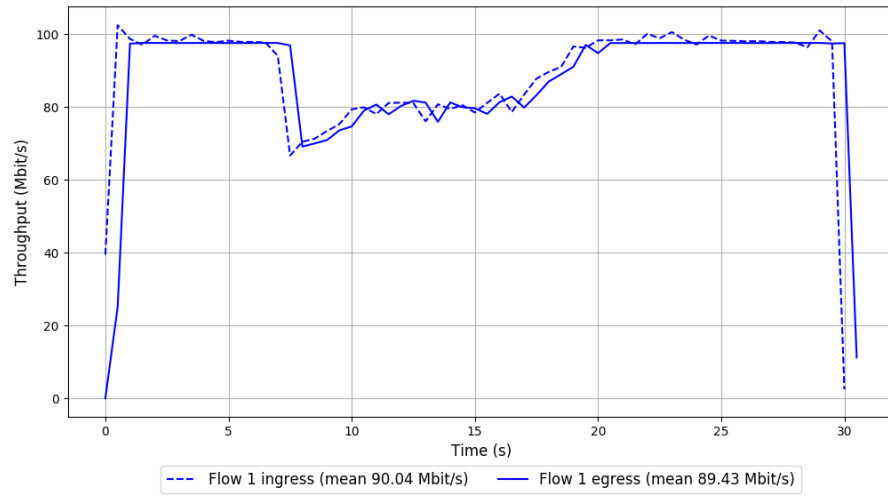


Run 4: Statistics of TCP Cubic

Start at: 2019-07-12 00:40:17
End at: 2019-07-12 00:40:47
Local clock offset: 2.297 ms
Remote clock offset: -2.981 ms

Below is generated by plot.py at 2019-07-12 01:27:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 68.538 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 68.538 ms
Loss rate: 0.63%

Run 4: Report of TCP Cubic — Data Link

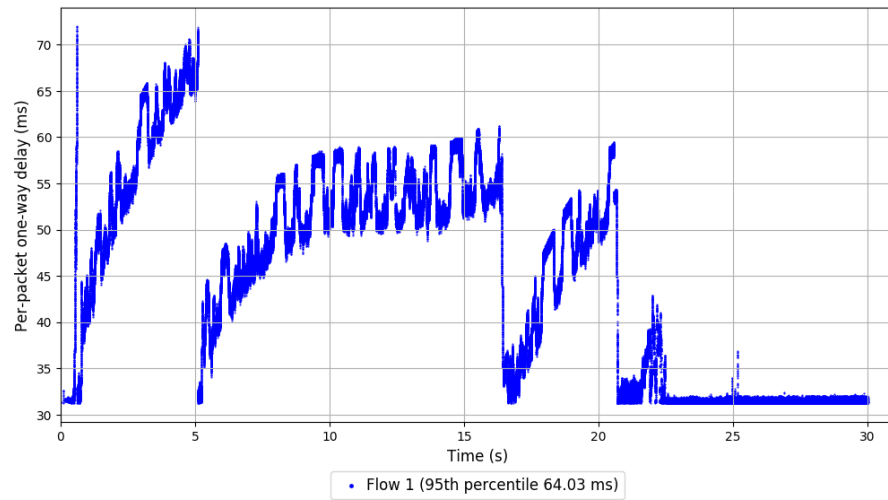
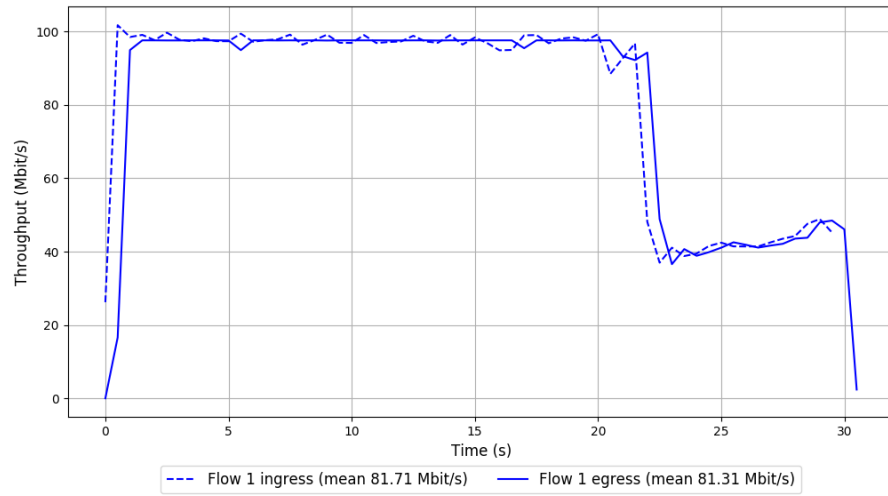


Run 5: Statistics of TCP Cubic

Start at: 2019-07-12 01:14:39
End at: 2019-07-12 01:15:09
Local clock offset: -0.404 ms
Remote clock offset: -3.988 ms

Below is generated by plot.py at 2019-07-12 01:27:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 64.026 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 64.026 ms
Loss rate: 0.49%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-07-11 23:06:58

End at: 2019-07-11 23:07:28

Local clock offset: 5.812 ms

Remote clock offset: -2.7 ms

Below is generated by plot.py at 2019-07-12 01:28:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 34.501 ms

Loss rate: 0.64%

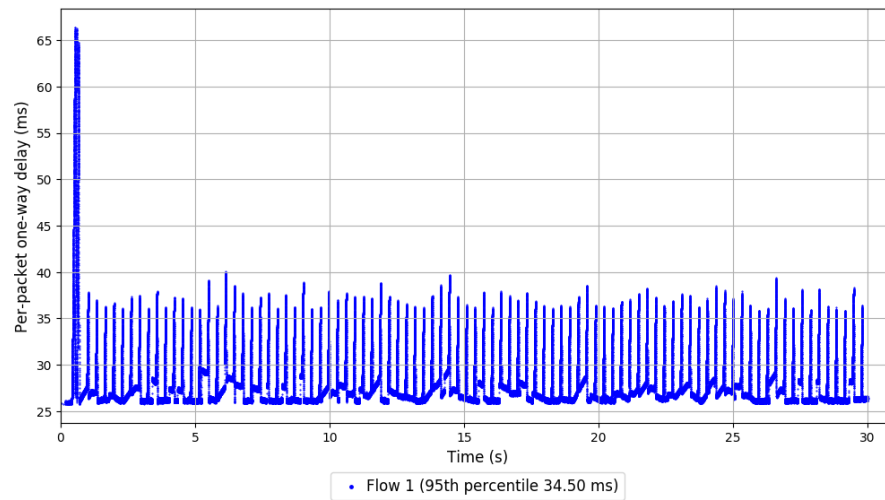
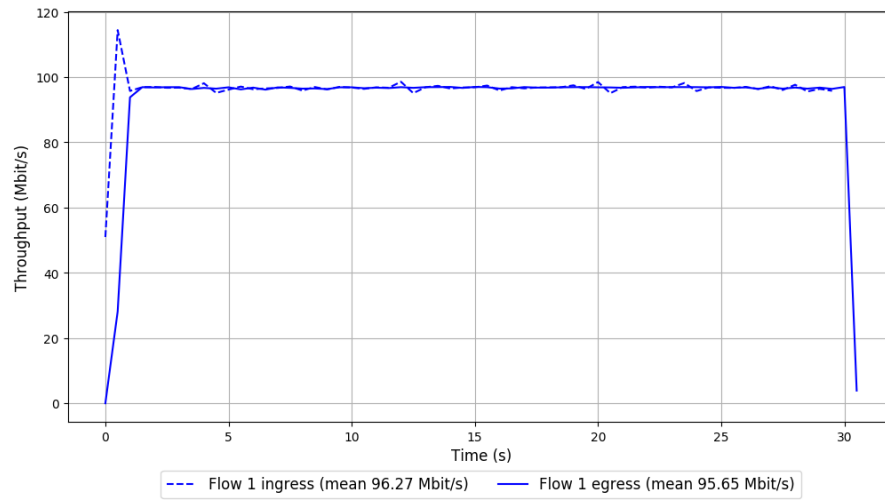
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 34.501 ms

Loss rate: 0.64%

Run 1: Report of FillP — Data Link

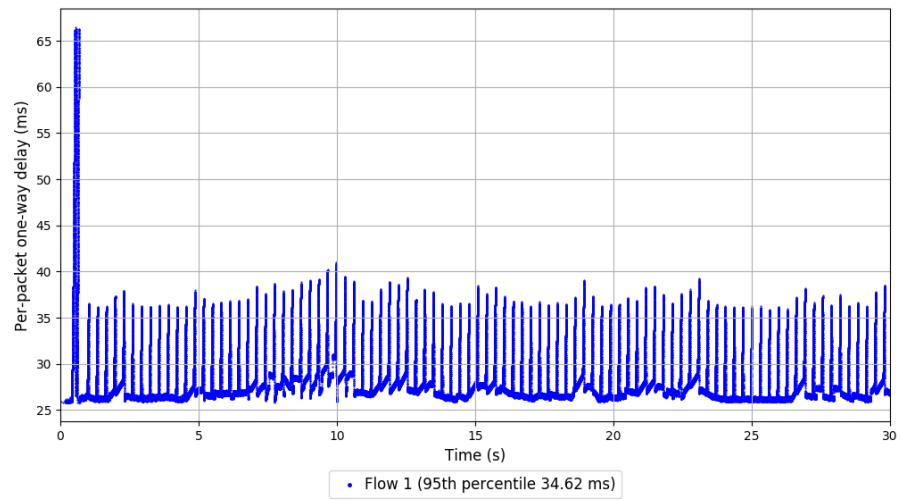
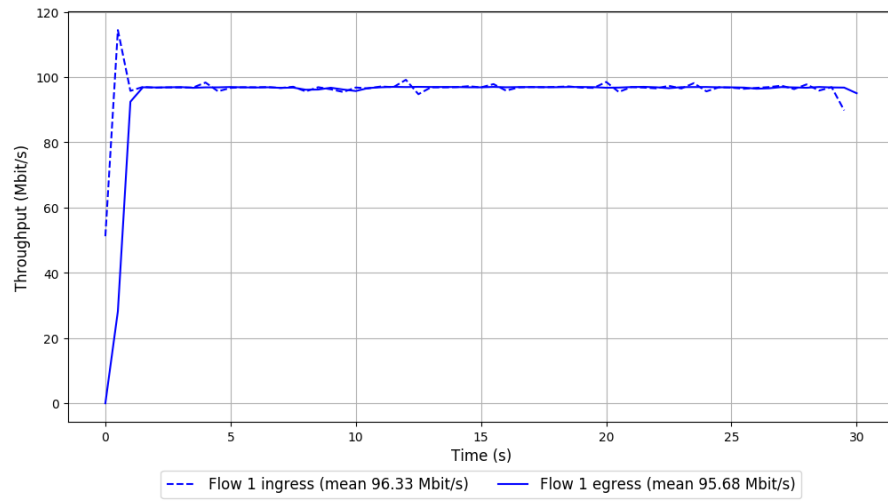


Run 2: Statistics of FillP

Start at: 2019-07-11 23:39:07
End at: 2019-07-11 23:39:37
Local clock offset: 5.71 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2019-07-12 01:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 34.616 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 34.616 ms
Loss rate: 0.67%

Run 2: Report of FillP — Data Link

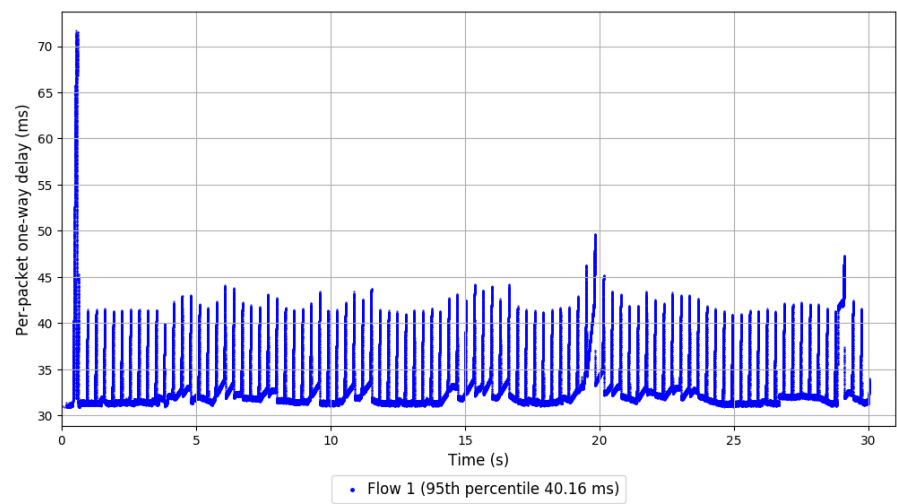
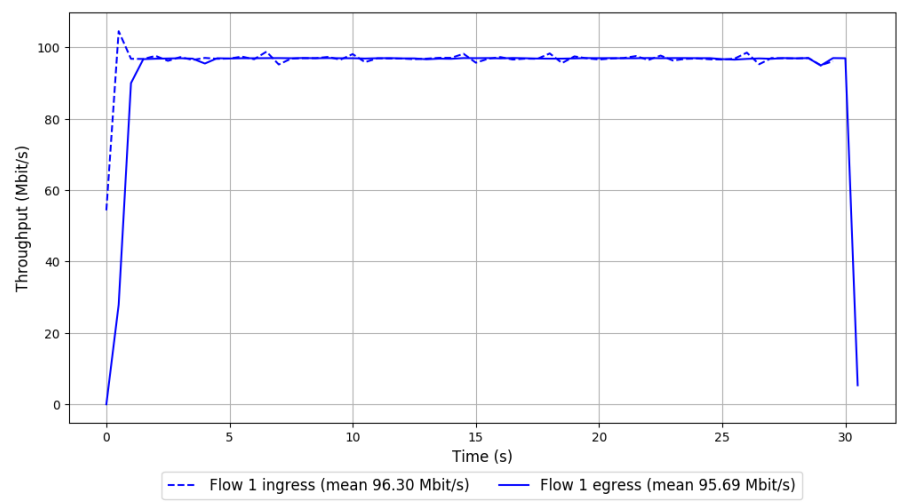


Run 3: Statistics of FillP

Start at: 2019-07-12 00:13:58
End at: 2019-07-12 00:14:28
Local clock offset: 2.769 ms
Remote clock offset: -2.735 ms

Below is generated by plot.py at 2019-07-12 01:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 40.157 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 40.157 ms
Loss rate: 0.63%

Run 3: Report of FillP — Data Link

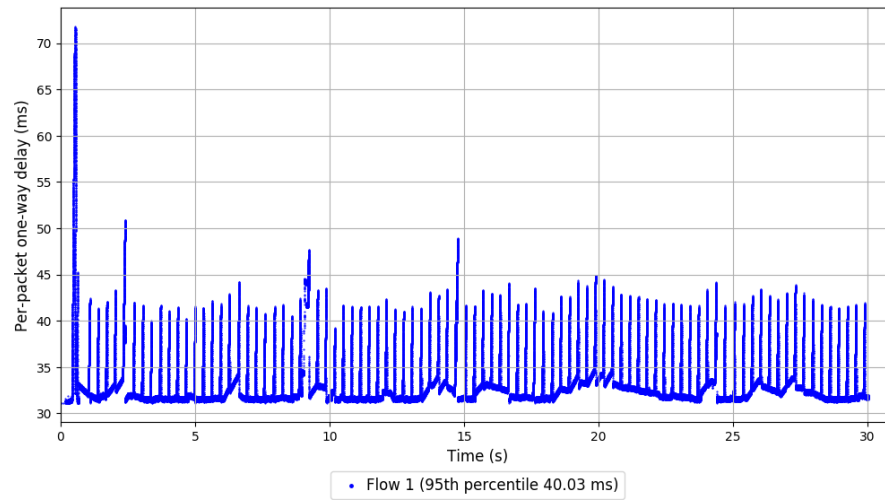
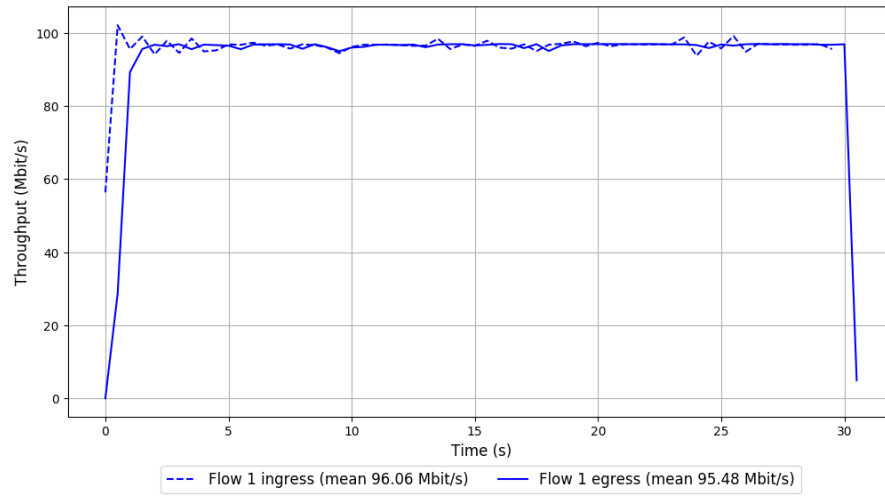


Run 4: Statistics of FillP

Start at: 2019-07-12 00:44:15
End at: 2019-07-12 00:44:45
Local clock offset: 2.304 ms
Remote clock offset: -3.139 ms

Below is generated by plot.py at 2019-07-12 01:28:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.60%

Run 4: Report of FillP — Data Link

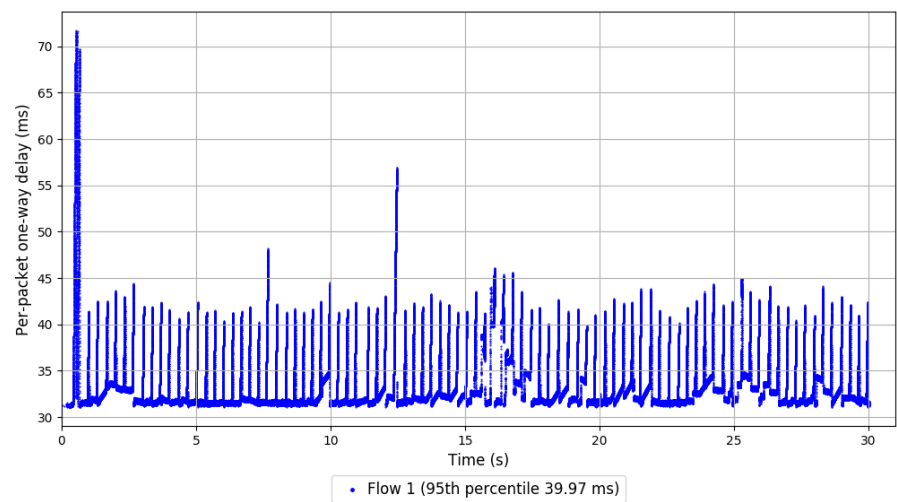
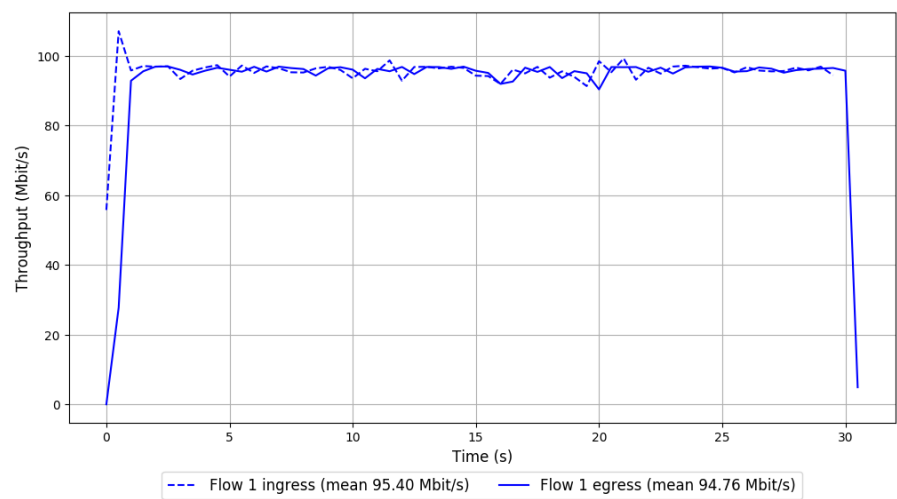


Run 5: Statistics of FillP

Start at: 2019-07-12 01:19:50
End at: 2019-07-12 01:20:20
Local clock offset: -0.86 ms
Remote clock offset: -4.205 ms

Below is generated by plot.py at 2019-07-12 01:28:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 39.967 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 39.967 ms
Loss rate: 0.66%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-07-11 22:46:38

End at: 2019-07-11 22:47:08

Local clock offset: 5.849 ms

Remote clock offset: -2.885 ms

Below is generated by plot.py at 2019-07-12 01:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 31.674 ms

Loss rate: 0.60%

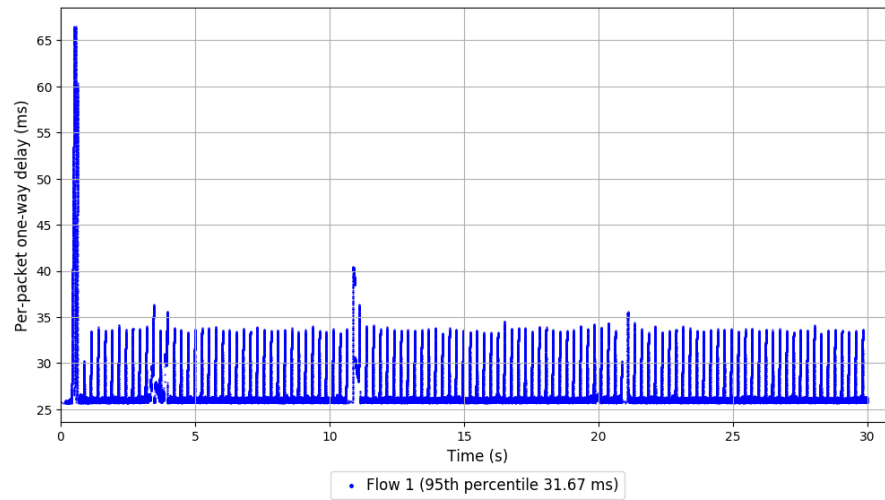
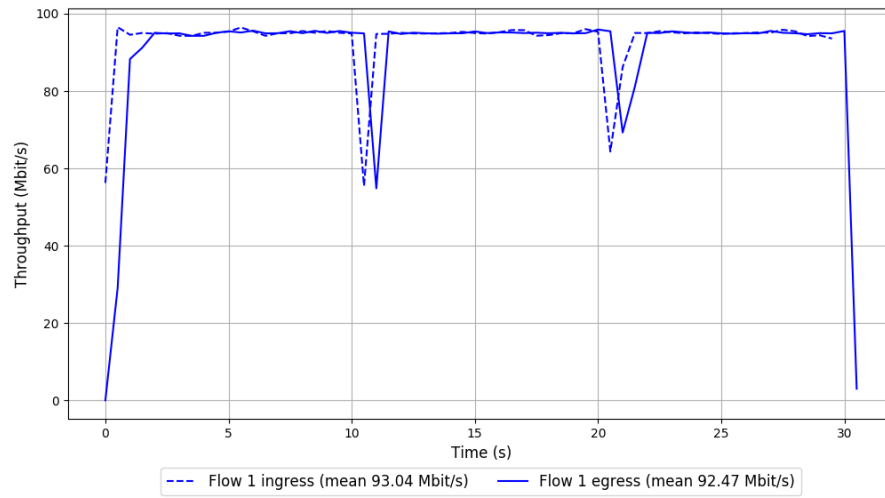
-- Flow 1:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 31.674 ms

Loss rate: 0.60%

Run 1: Report of FillP-Sheep — Data Link

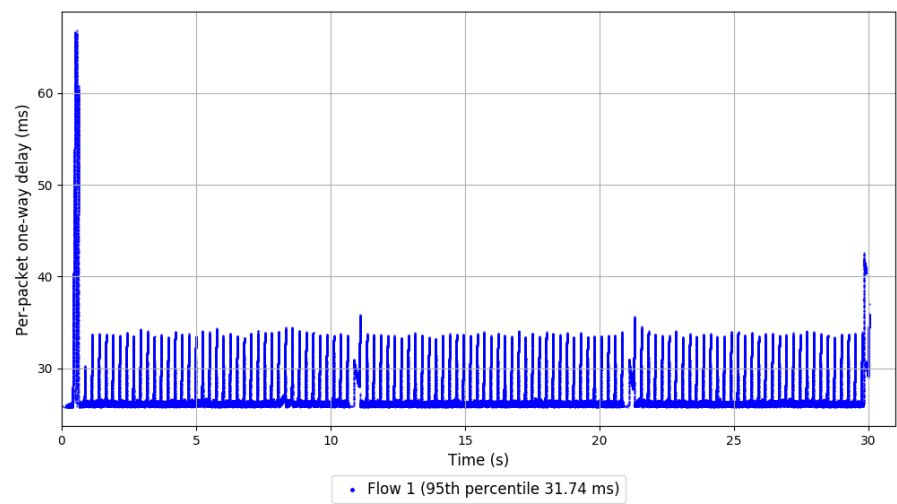
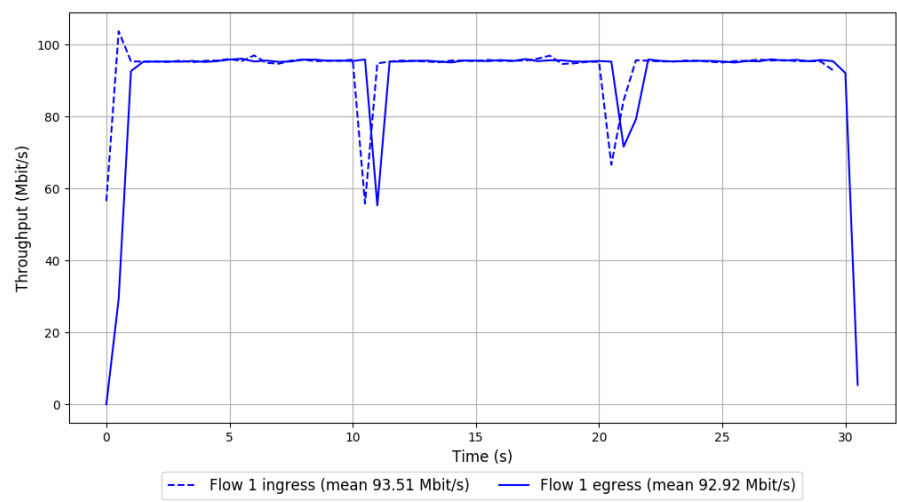


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-11 23:17:31
End at: 2019-07-11 23:18:01
Local clock offset: 5.677 ms
Remote clock offset: -2.666 ms

Below is generated by plot.py at 2019-07-12 01:29:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 31.741 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 31.741 ms
Loss rate: 0.59%

Run 2: Report of FillP-Sheep — Data Link

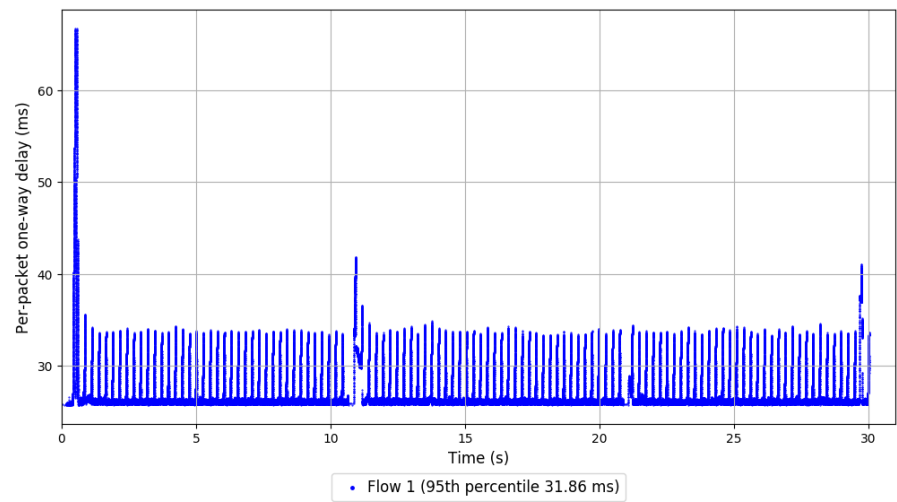
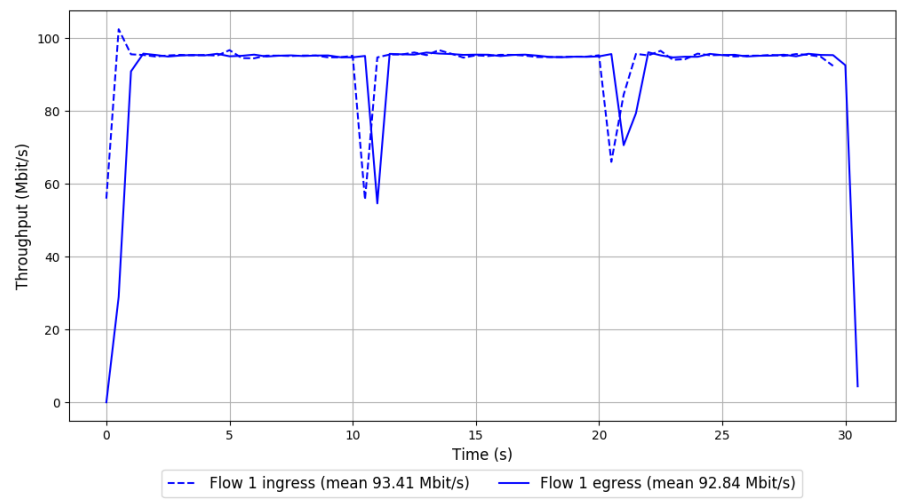


Run 3: Statistics of FillP-Sheep

Start at: 2019-07-11 23:49:15
End at: 2019-07-11 23:49:45
Local clock offset: 5.774 ms
Remote clock offset: -2.318 ms

Below is generated by plot.py at 2019-07-12 01:29:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 31.861 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 31.861 ms
Loss rate: 0.60%

Run 3: Report of FillP-Sheep — Data Link

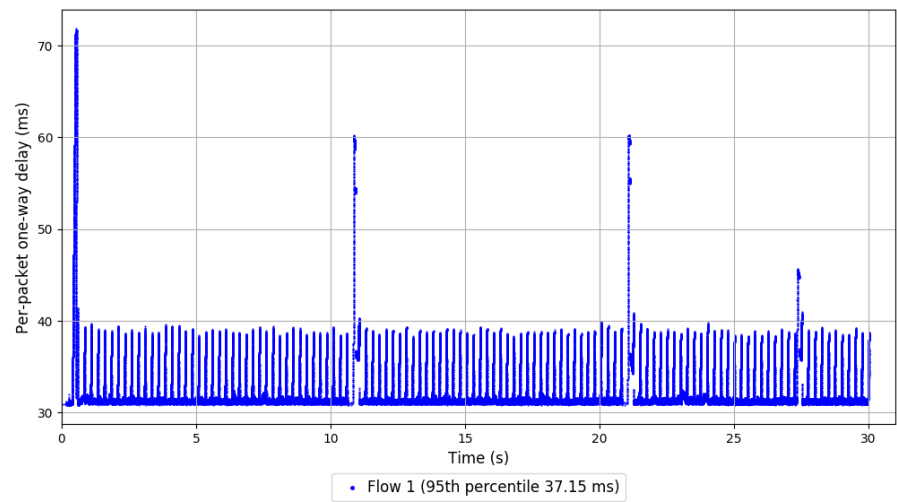
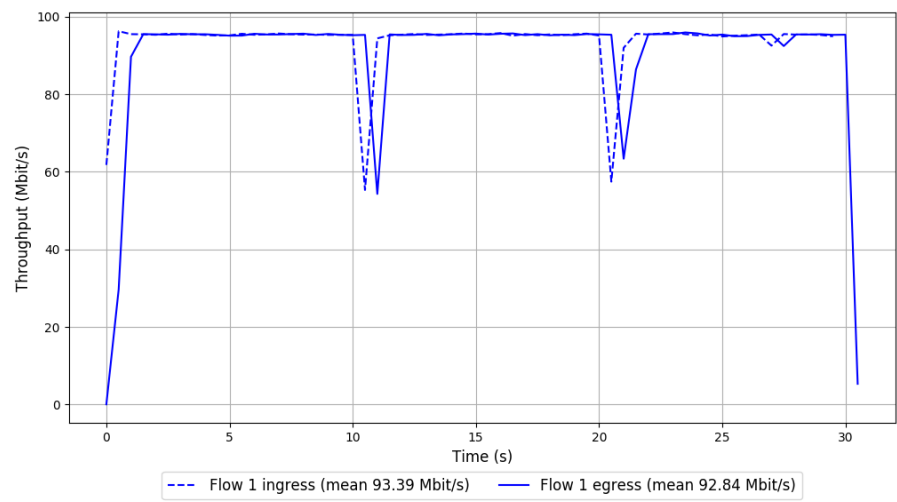


Run 4: Statistics of FillP-Sheep

Start at: 2019-07-12 00:24:00
End at: 2019-07-12 00:24:30
Local clock offset: 1.876 ms
Remote clock offset: -2.871 ms

Below is generated by plot.py at 2019-07-12 01:29:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 37.148 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 37.148 ms
Loss rate: 0.58%

Run 4: Report of FillP-Sheep — Data Link

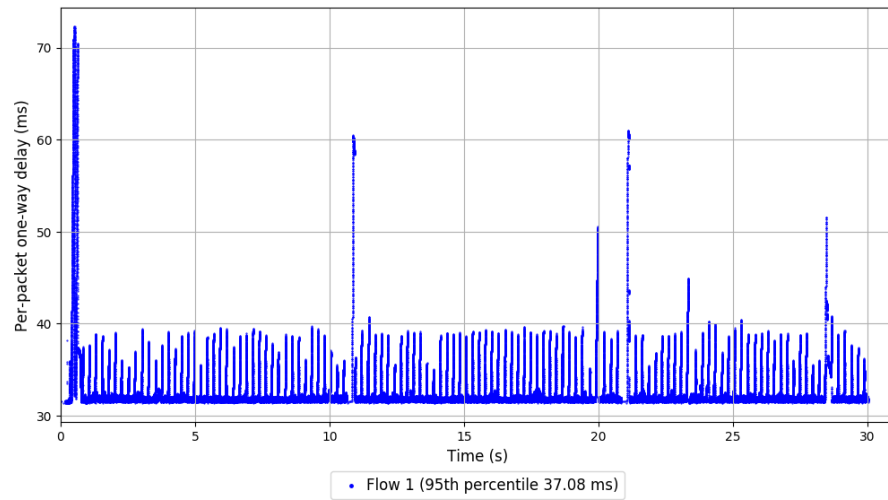
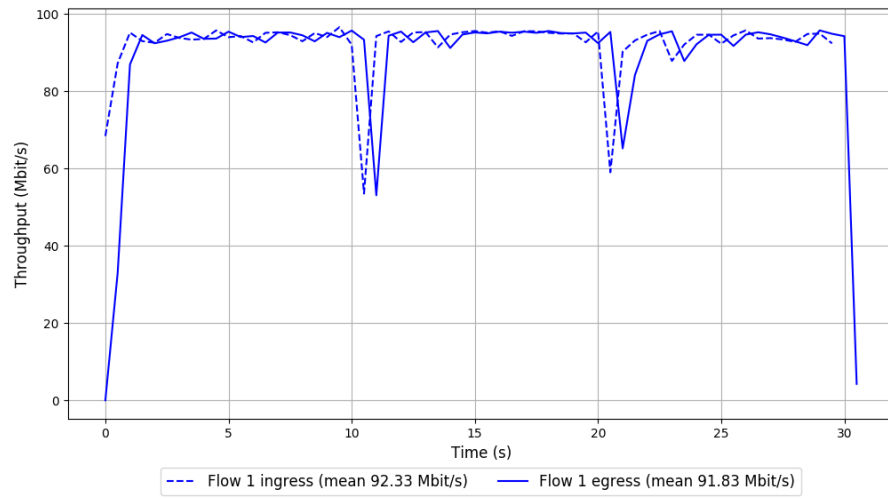


Run 5: Statistics of FillP-Sheep

Start at: 2019-07-12 00:55:02
End at: 2019-07-12 00:55:32
Local clock offset: 2.139 ms
Remote clock offset: -3.194 ms

Below is generated by plot.py at 2019-07-12 01:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 37.078 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 37.078 ms
Loss rate: 0.54%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-07-11 22:47:53

End at: 2019-07-11 22:48:23

Local clock offset: 5.885 ms

Remote clock offset: -2.782 ms

Below is generated by plot.py at 2019-07-12 01:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 30.680 ms

Loss rate: 0.01%

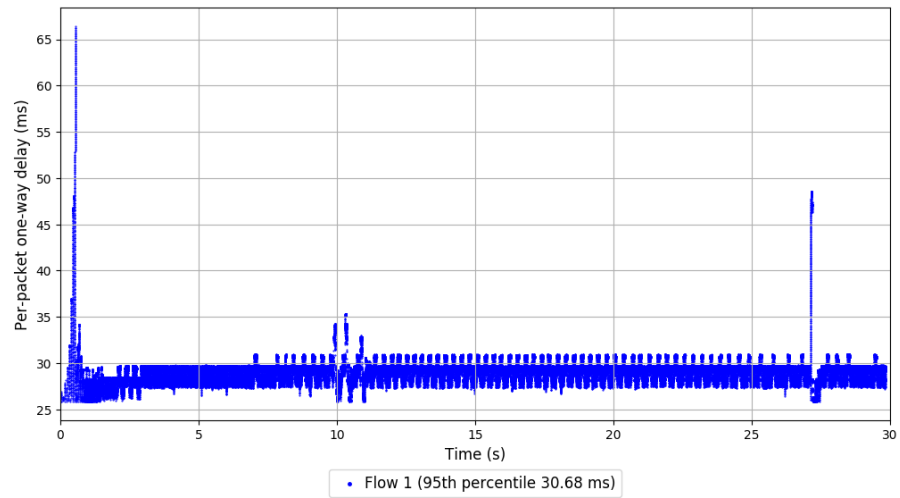
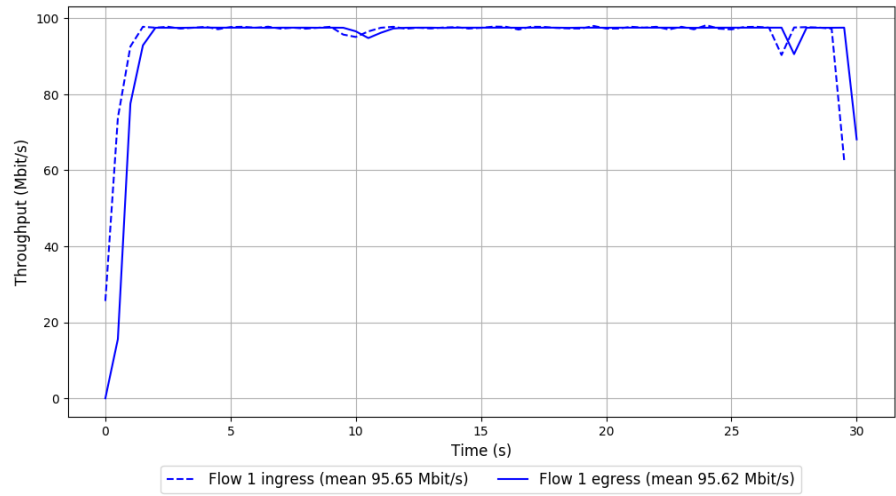
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 30.680 ms

Loss rate: 0.01%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-07-11 23:18:50

End at: 2019-07-11 23:19:20

Local clock offset: 5.658 ms

Remote clock offset: -2.667 ms

Below is generated by plot.py at 2019-07-12 01:29:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 30.844 ms

Loss rate: 0.01%

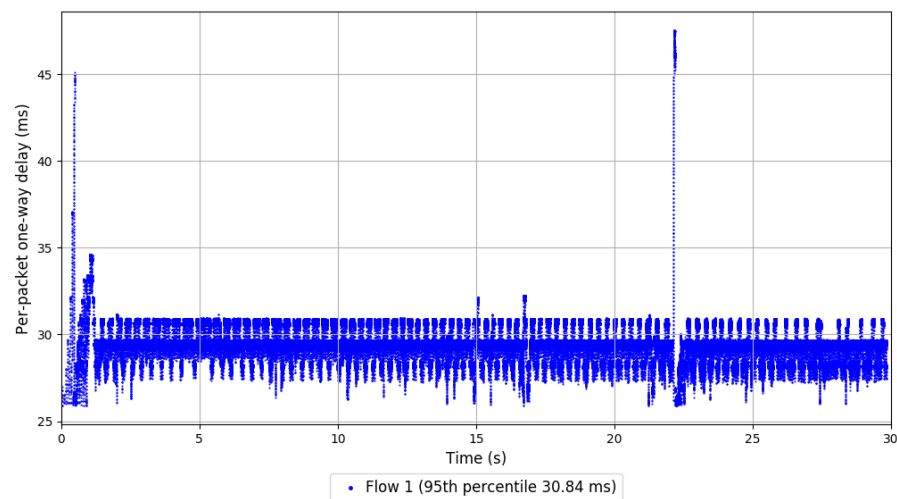
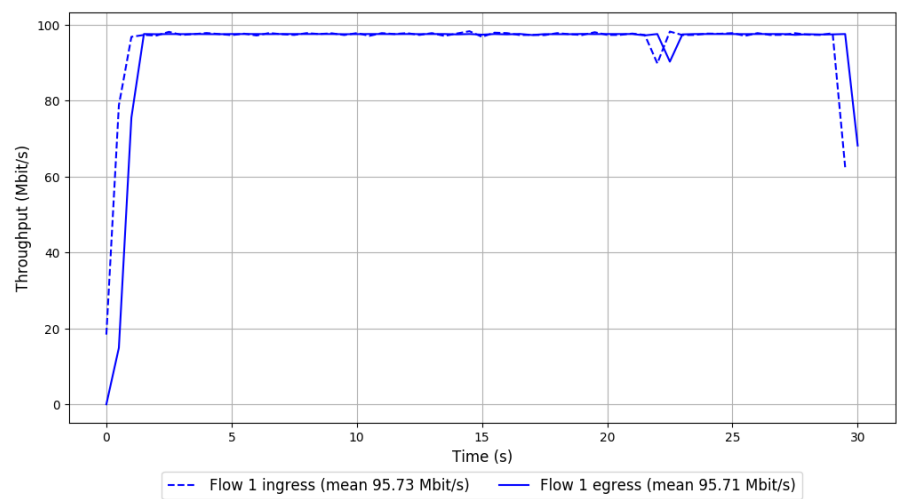
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 30.844 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link

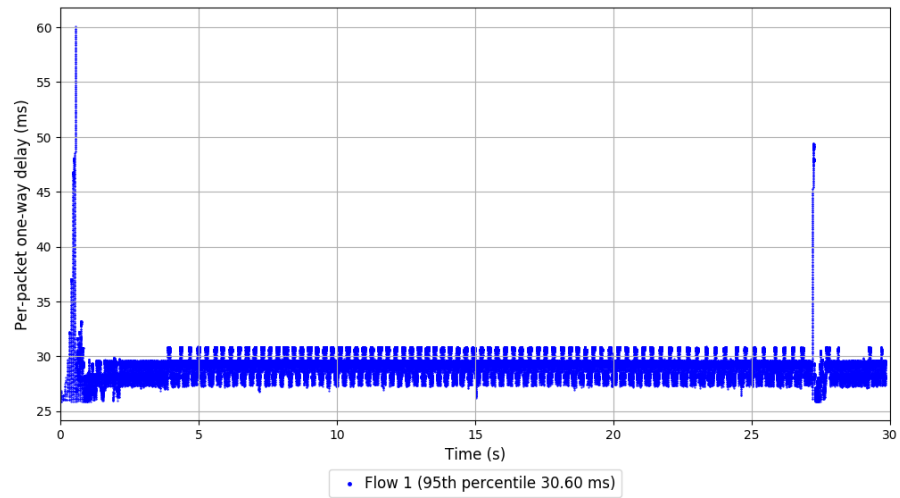
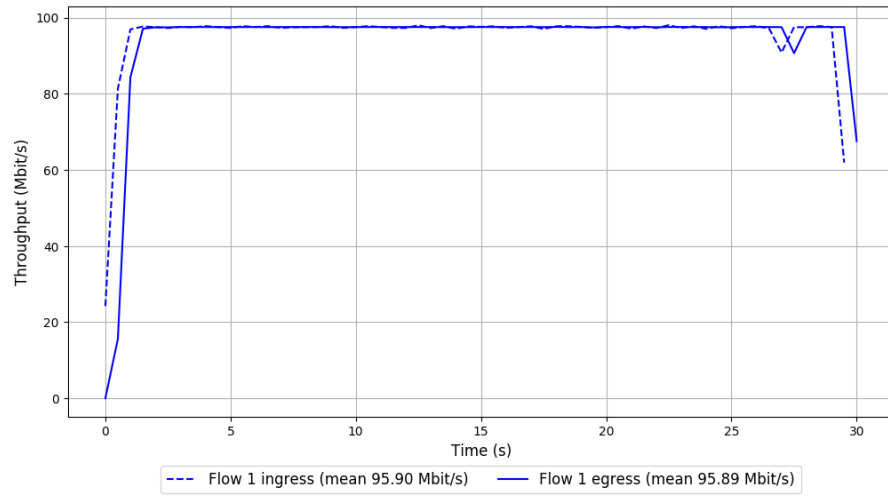


Run 3: Statistics of Indigo

Start at: 2019-07-11 23:50:35
End at: 2019-07-11 23:51:05
Local clock offset: 5.797 ms
Remote clock offset: -2.316 ms

Below is generated by plot.py at 2019-07-12 01:29:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 30.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 30.601 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

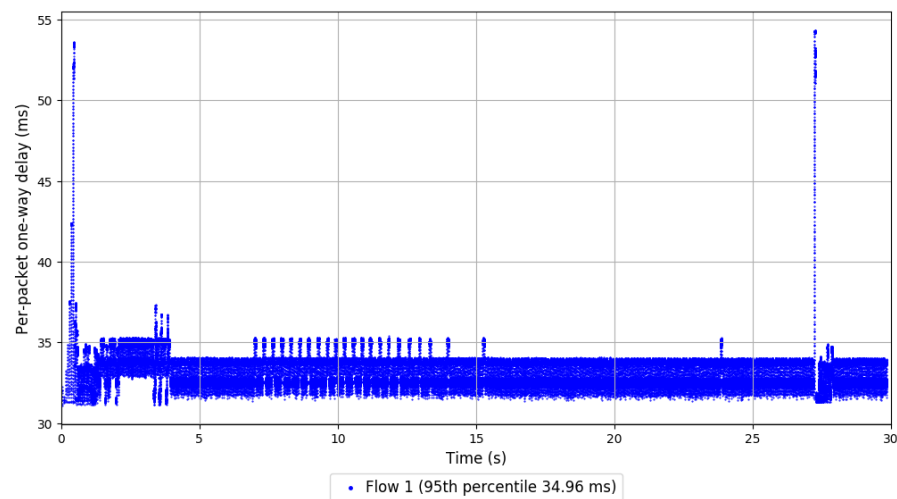
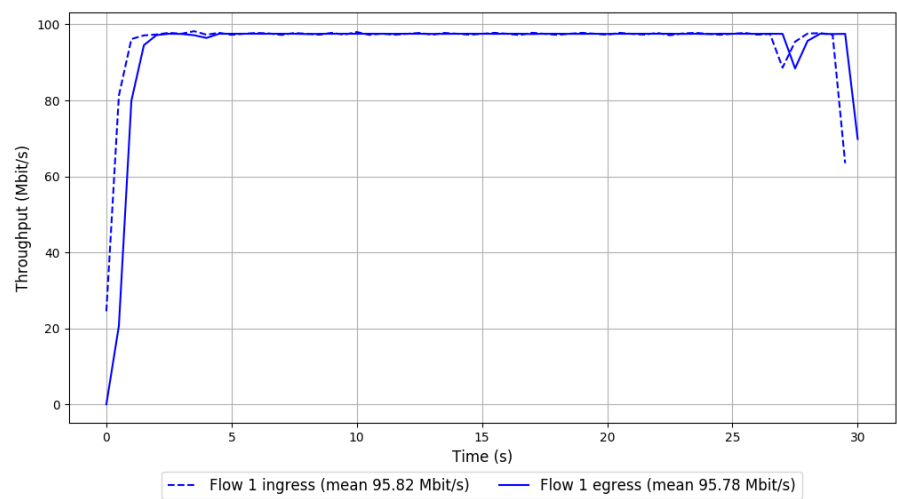


Run 4: Statistics of Indigo

Start at: 2019-07-12 00:25:15
End at: 2019-07-12 00:25:45
Local clock offset: 1.815 ms
Remote clock offset: -2.928 ms

Below is generated by plot.py at 2019-07-12 01:29:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 34.958 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 34.958 ms
Loss rate: 0.04%

Run 4: Report of Indigo — Data Link

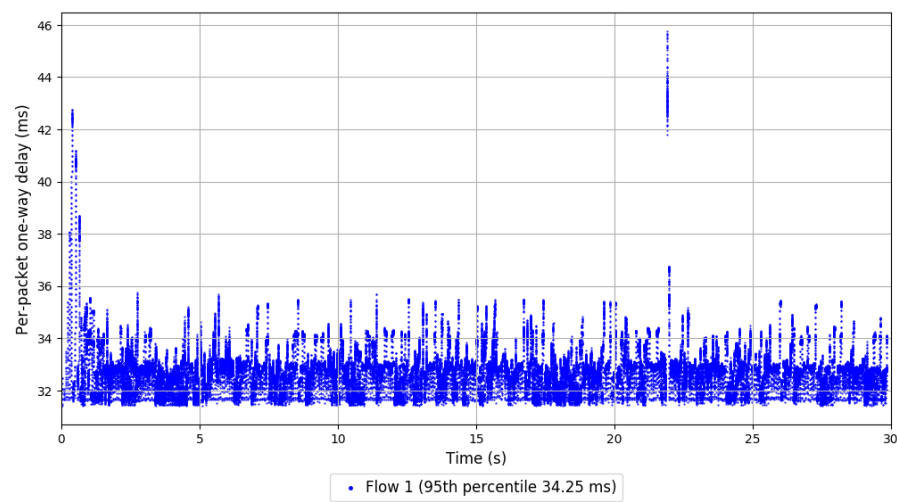
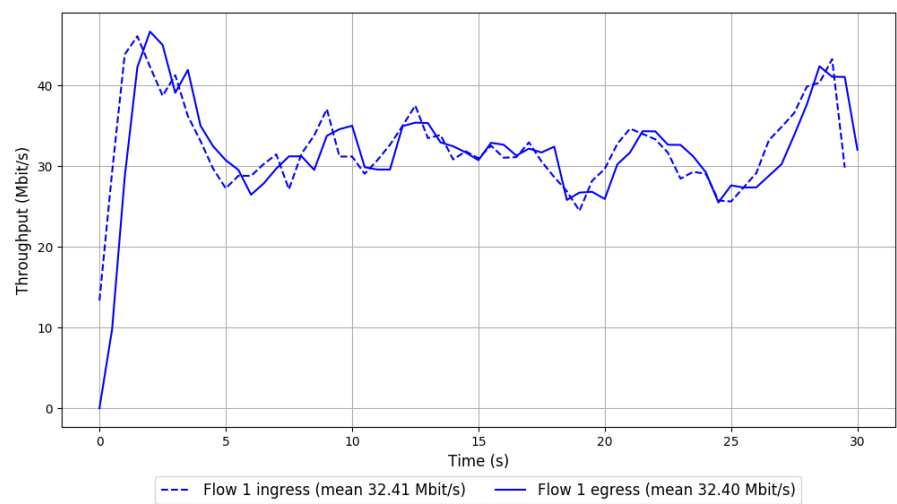


Run 5: Statistics of Indigo

Start at: 2019-07-12 00:56:35
End at: 2019-07-12 00:57:05
Local clock offset: 2.121 ms
Remote clock offset: -3.381 ms

Below is generated by plot.py at 2019-07-12 01:29:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 34.248 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 34.248 ms
Loss rate: 0.04%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-11 22:41:35

End at: 2019-07-11 22:42:05

Local clock offset: 5.653 ms

Remote clock offset: -2.766 ms

Below is generated by plot.py at 2019-07-12 01:30:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 33.769 ms

Loss rate: 0.00%

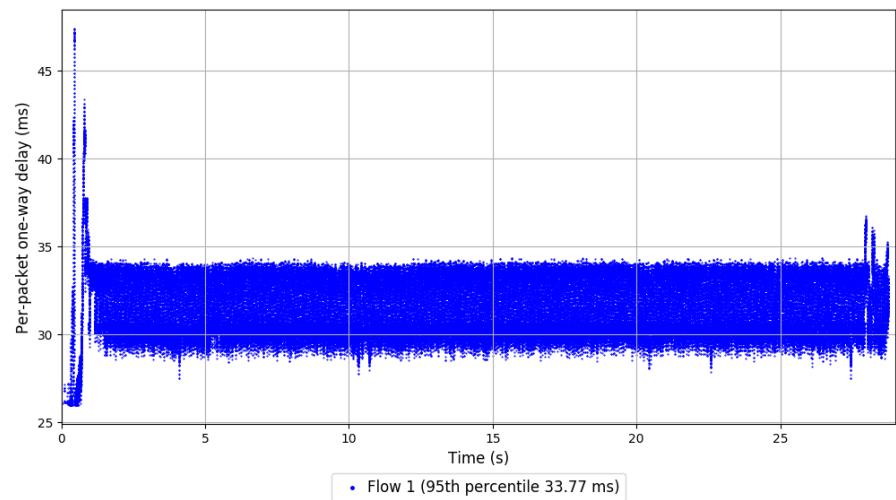
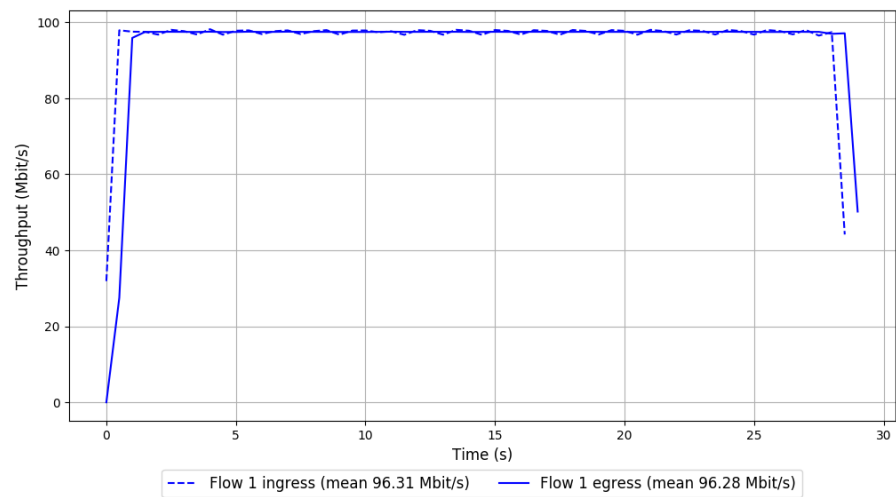
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 33.769 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

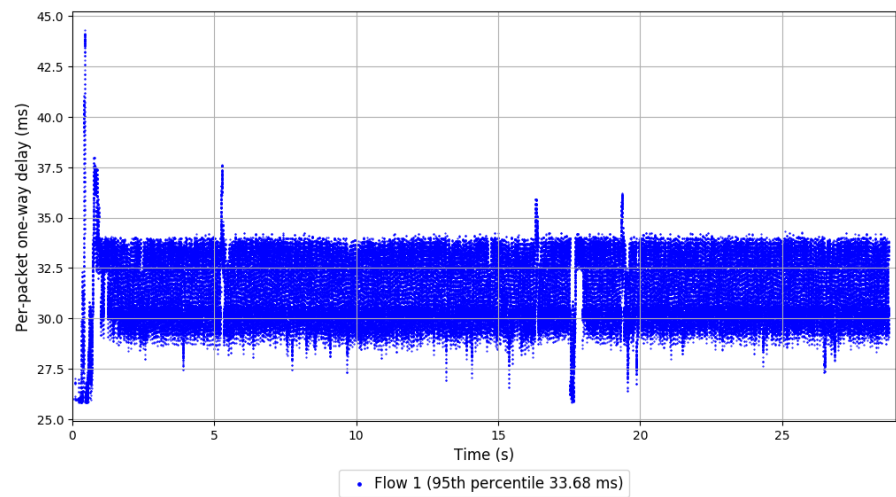
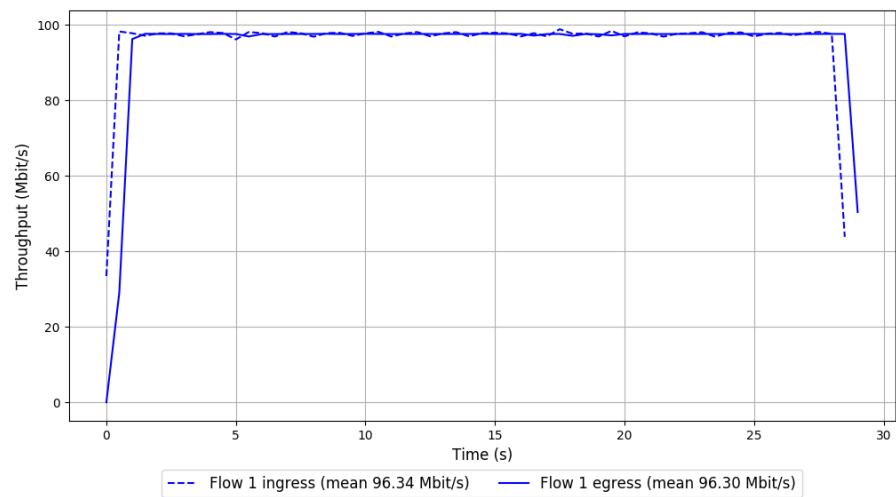


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-11 23:12:12
End at: 2019-07-11 23:12:42
Local clock offset: 5.734 ms
Remote clock offset: -2.681 ms

Below is generated by plot.py at 2019-07-12 01:30:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 33.677 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 33.677 ms
Loss rate: 0.03%

Run 2: Report of Indigo-MusesC3 — Data Link

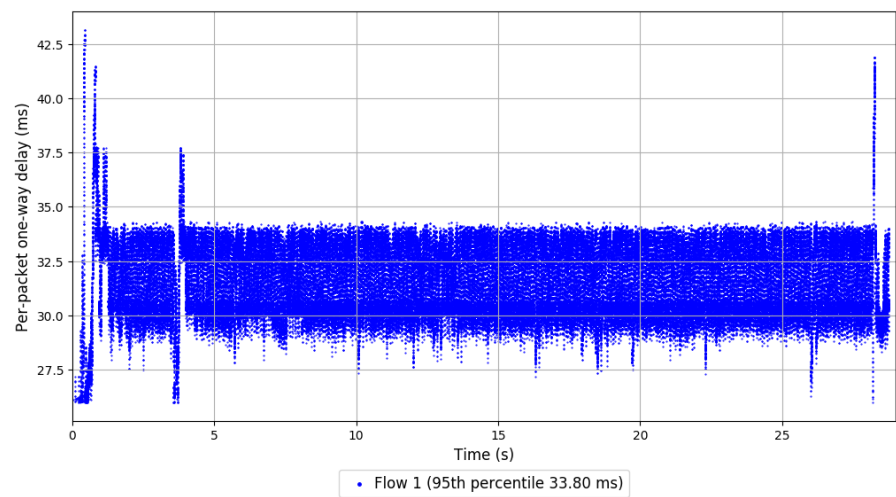
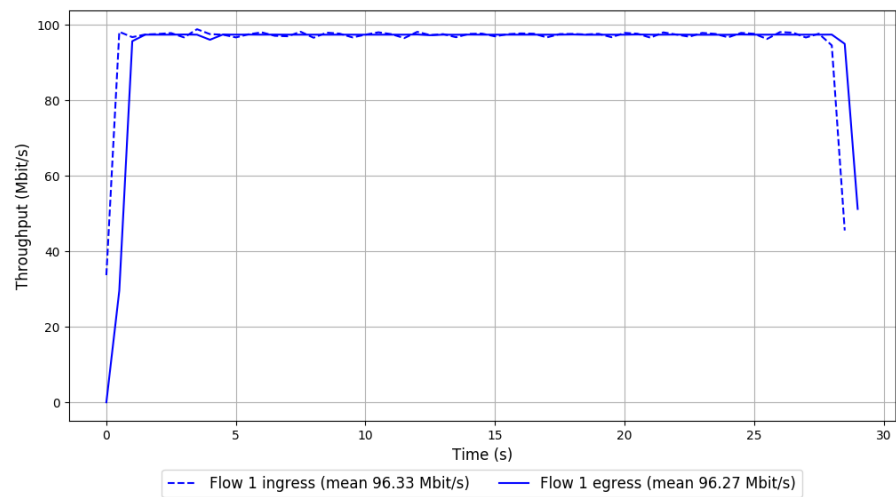


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-11 23:44:14
End at: 2019-07-11 23:44:44
Local clock offset: 5.775 ms
Remote clock offset: -2.389 ms

Below is generated by plot.py at 2019-07-12 01:30:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 33.796 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 33.796 ms
Loss rate: 0.04%

Run 3: Report of Indigo-MusesC3 — Data Link

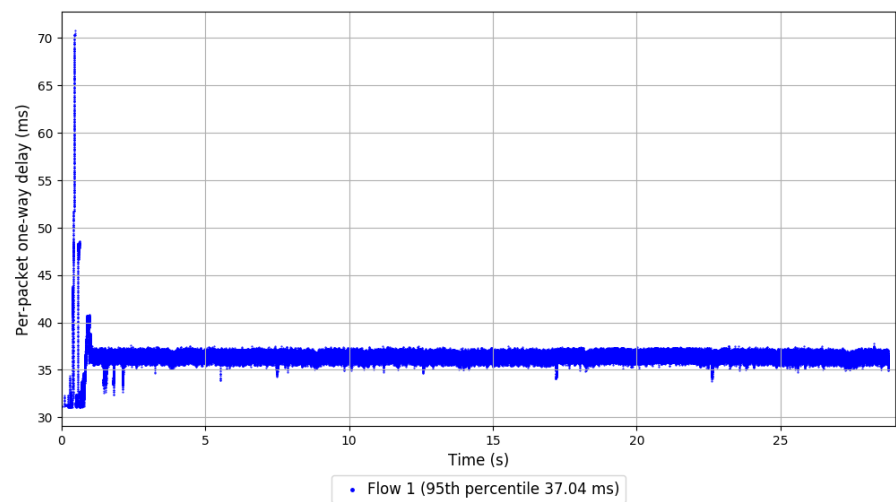
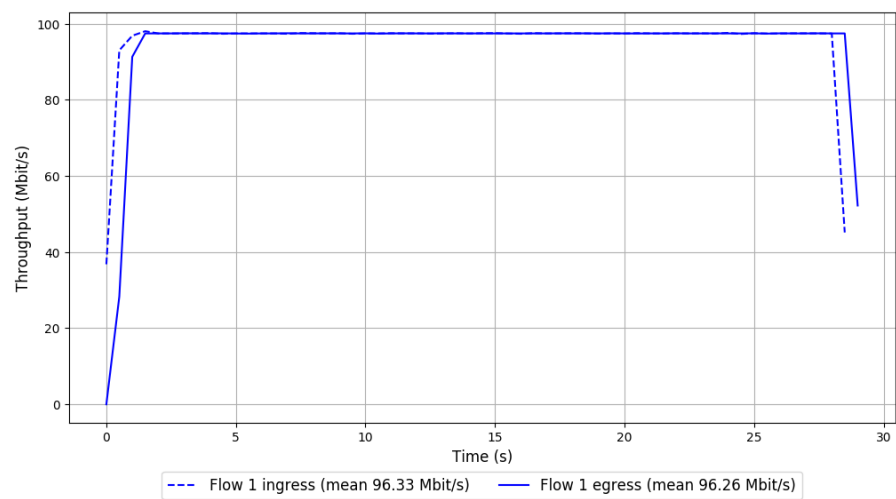


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-12 00:19:01
End at: 2019-07-12 00:19:31
Local clock offset: 2.269 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2019-07-12 01:30:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 37.036 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 37.036 ms
Loss rate: 0.05%

Run 4: Report of Indigo-MusesC3 — Data Link

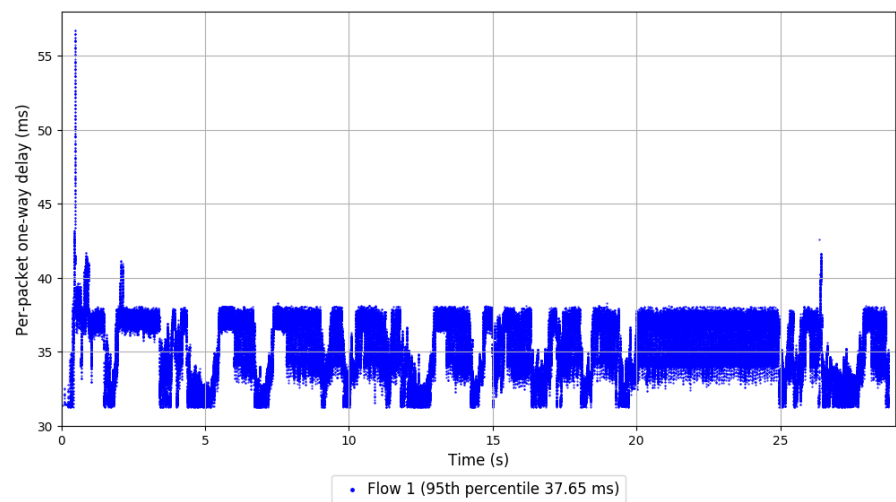
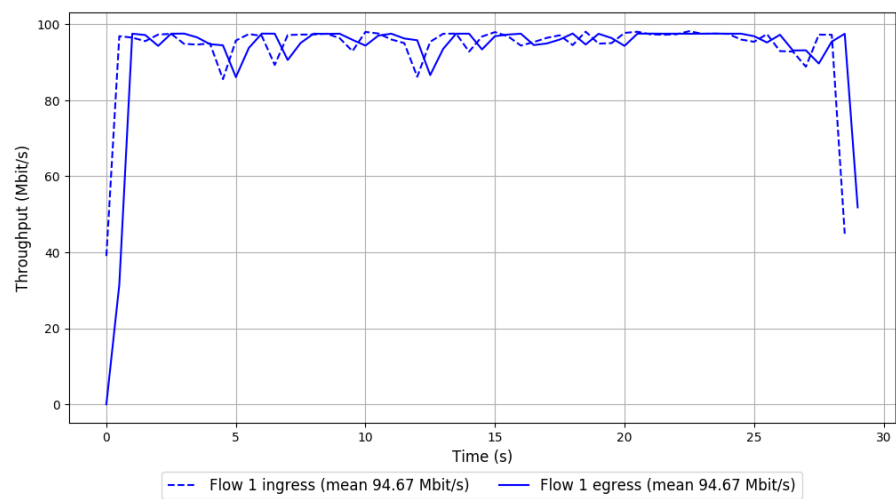


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-12 00:49:04
End at: 2019-07-12 00:49:34
Local clock offset: 2.284 ms
Remote clock offset: -3.124 ms

Below is generated by plot.py at 2019-07-12 01:30:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 37.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 37.654 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-11 22:51:57

End at: 2019-07-11 22:52:27

Local clock offset: 5.986 ms

Remote clock offset: -2.695 ms

Below is generated by plot.py at 2019-07-12 01:30:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 31.325 ms

Loss rate: 0.00%

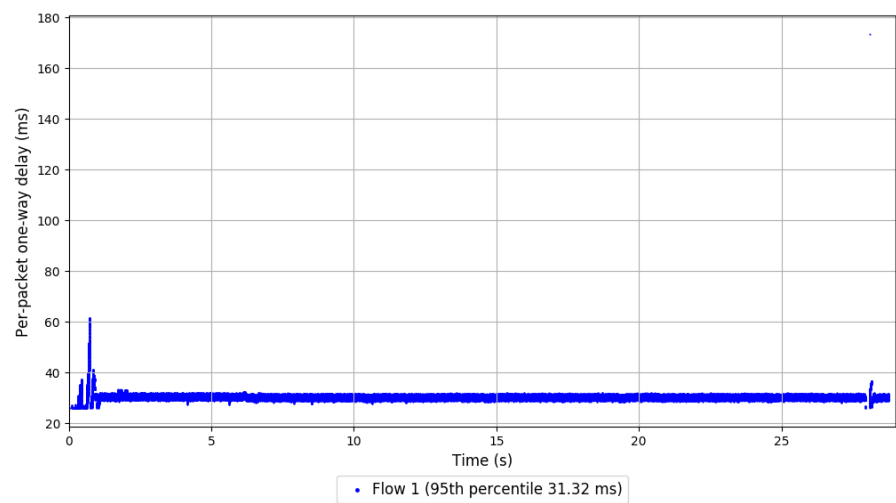
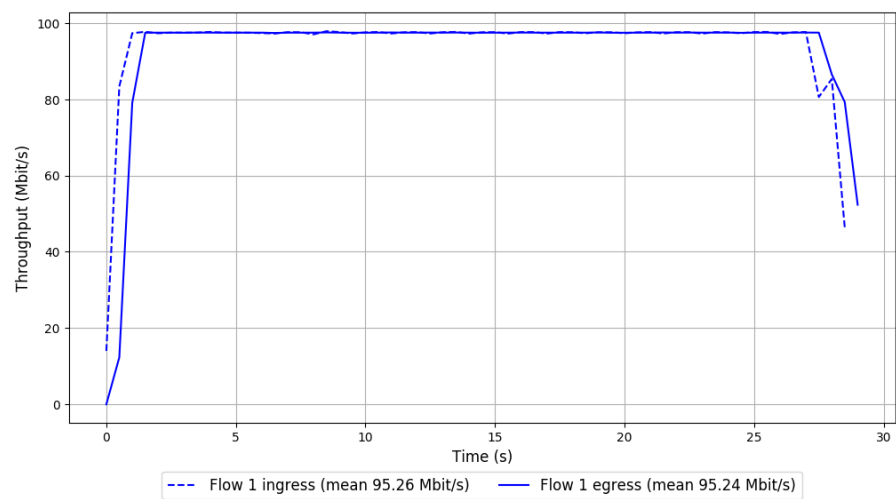
-- Flow 1:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 31.325 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-11 23:23:12

End at: 2019-07-11 23:23:42

Local clock offset: 5.675 ms

Remote clock offset: -2.612 ms

Below is generated by plot.py at 2019-07-12 01:30:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 31.172 ms

Loss rate: 0.00%

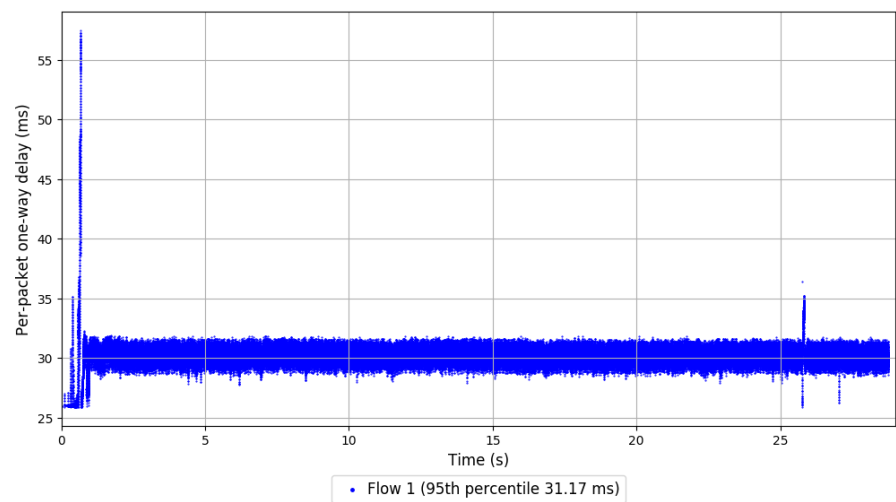
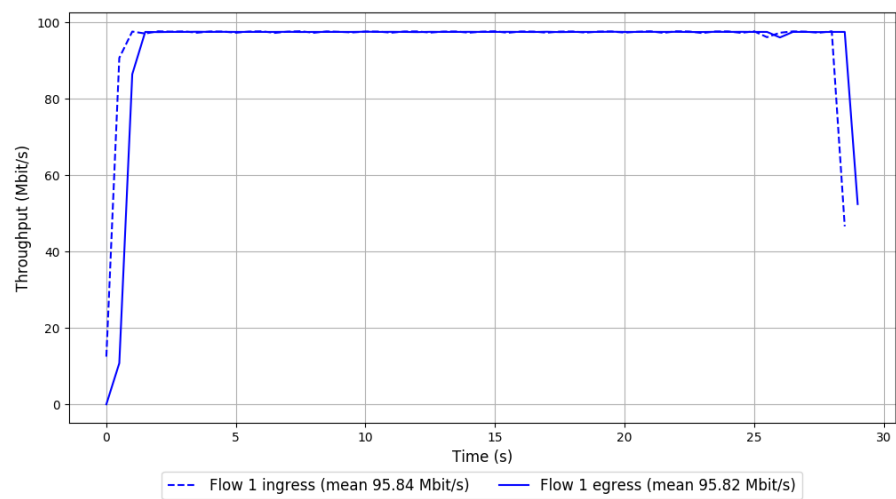
-- Flow 1:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 31.172 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

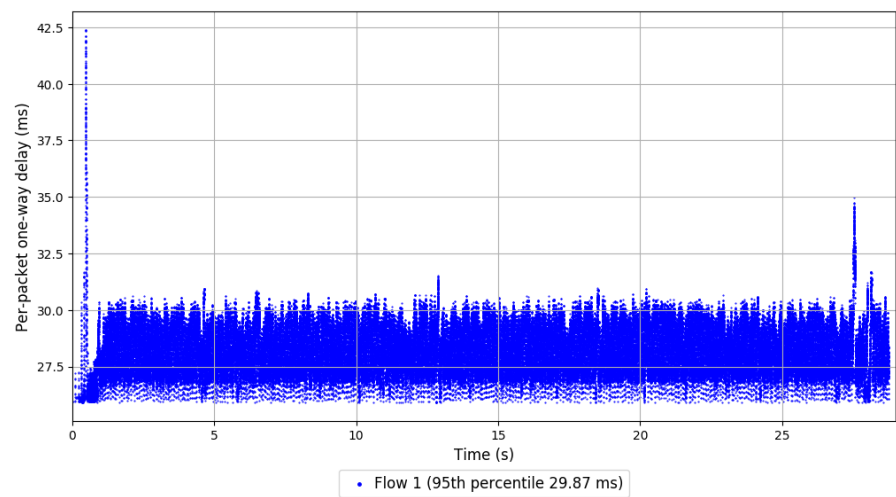
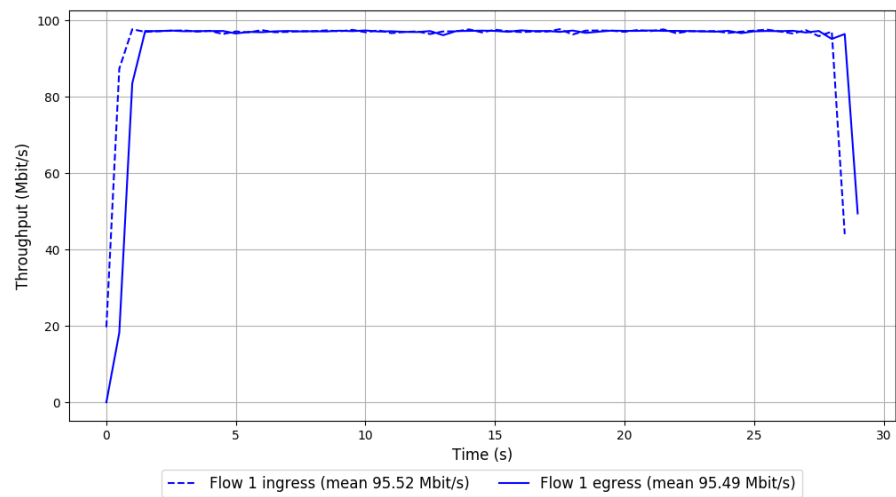


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-11 23:54:36
End at: 2019-07-11 23:55:06
Local clock offset: 5.828 ms
Remote clock offset: -2.271 ms

Below is generated by plot.py at 2019-07-12 01:30:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 29.871 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 29.871 ms
Loss rate: 0.03%

Run 3: Report of Indigo-MusesC5 — Data Link

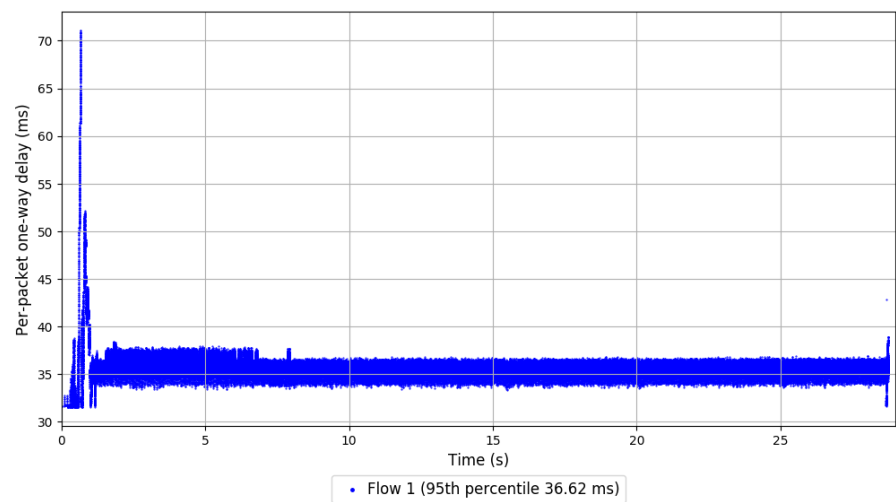
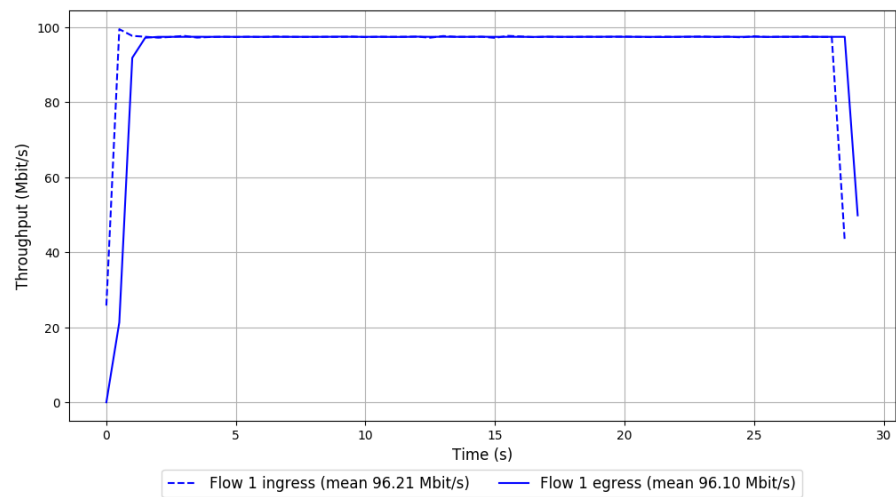


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-12 00:29:02
End at: 2019-07-12 00:29:32
Local clock offset: 1.546 ms
Remote clock offset: -2.927 ms

Below is generated by plot.py at 2019-07-12 01:31:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 36.624 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 36.624 ms
Loss rate: 0.10%

Run 4: Report of Indigo-MusesC5 — Data Link

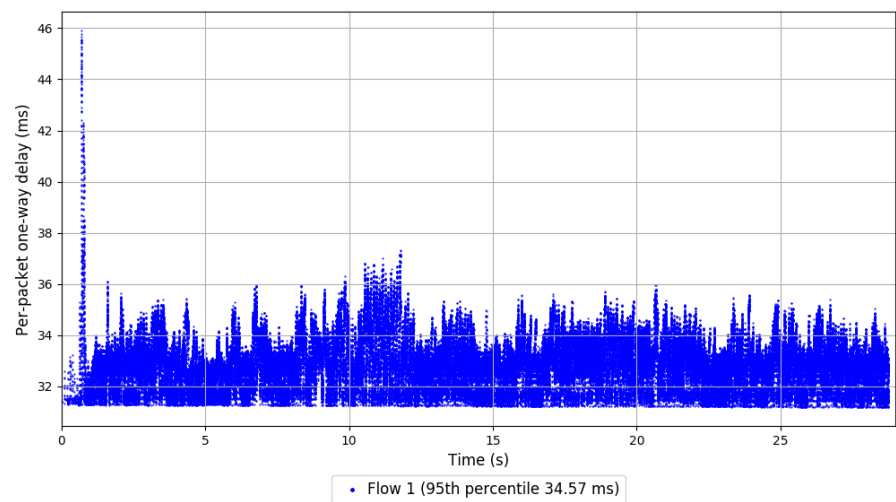
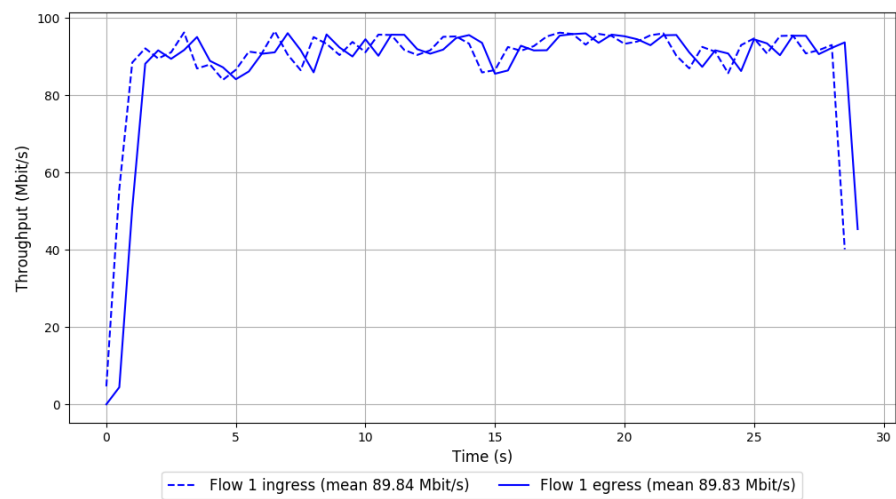


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-12 01:00:48
End at: 2019-07-12 01:01:18
Local clock offset: 1.621 ms
Remote clock offset: -3.488 ms

Below is generated by plot.py at 2019-07-12 01:31:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 34.571 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.83 Mbit/s
95th percentile per-packet one-way delay: 34.571 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-11 22:40:21

End at: 2019-07-11 22:40:51

Local clock offset: 5.59 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2019-07-12 01:31:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 30.032 ms

Loss rate: 0.01%

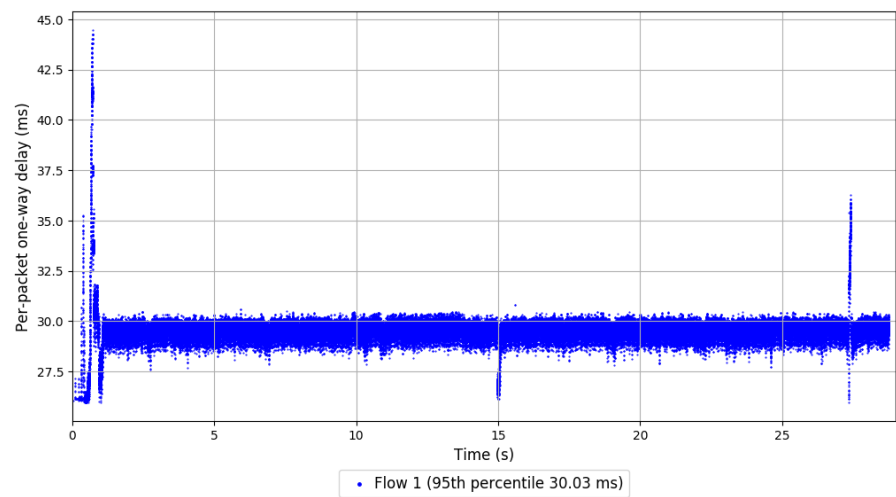
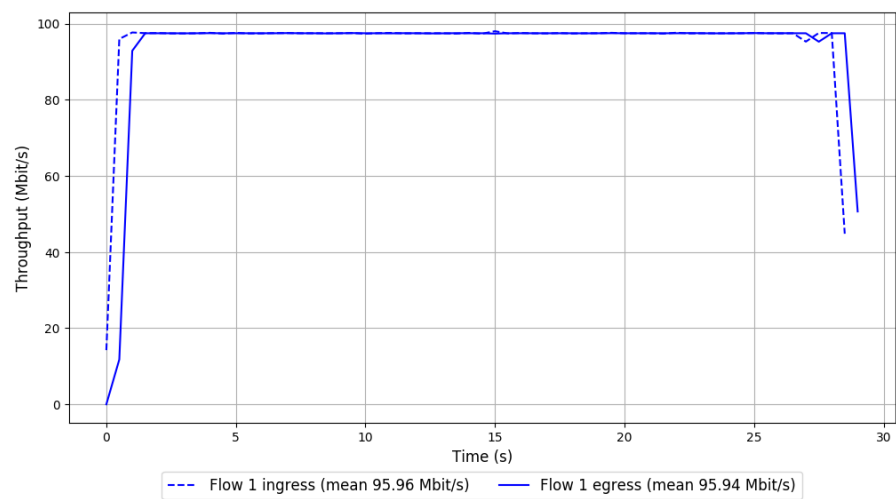
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 30.032 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link

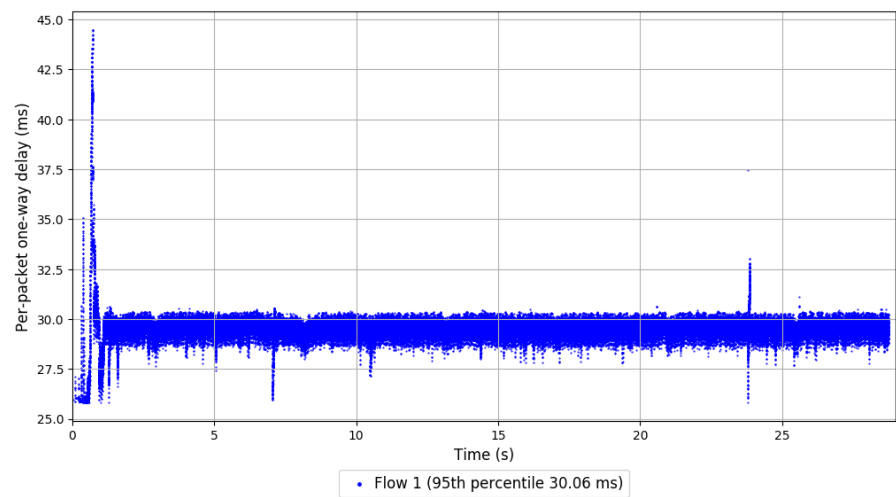
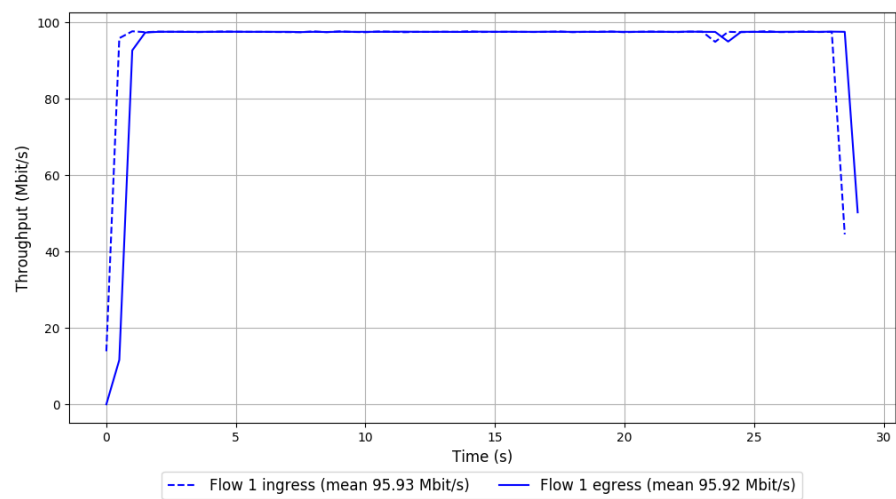


Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-11 23:10:51
End at: 2019-07-11 23:11:21
Local clock offset: 5.744 ms
Remote clock offset: -2.672 ms

Below is generated by plot.py at 2019-07-12 01:31:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 30.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 30.057 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-11 23:42:54

End at: 2019-07-11 23:43:24

Local clock offset: 5.77 ms

Remote clock offset: -2.429 ms

Below is generated by plot.py at 2019-07-12 01:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 29.990 ms

Loss rate: 0.00%

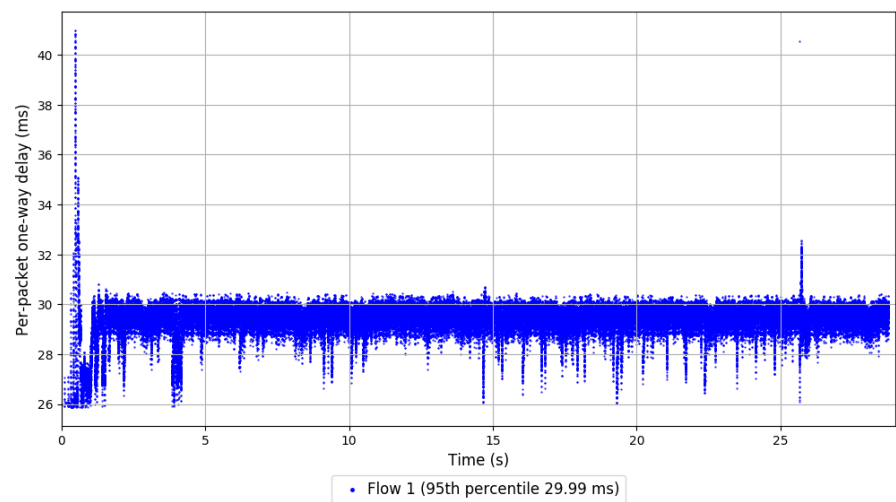
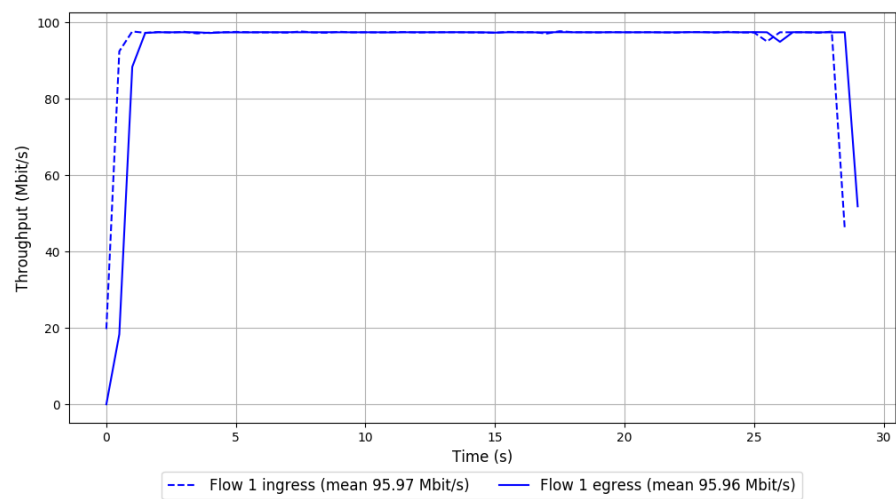
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 29.990 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-12 00:17:44

End at: 2019-07-12 00:18:14

Local clock offset: 2.378 ms

Remote clock offset: -2.791 ms

Below is generated by plot.py at 2019-07-12 01:32:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 35.046 ms

Loss rate: 0.10%

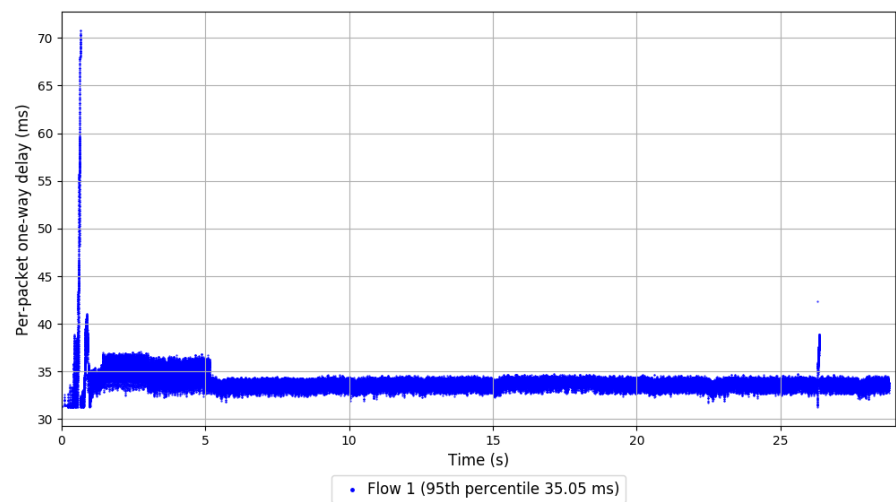
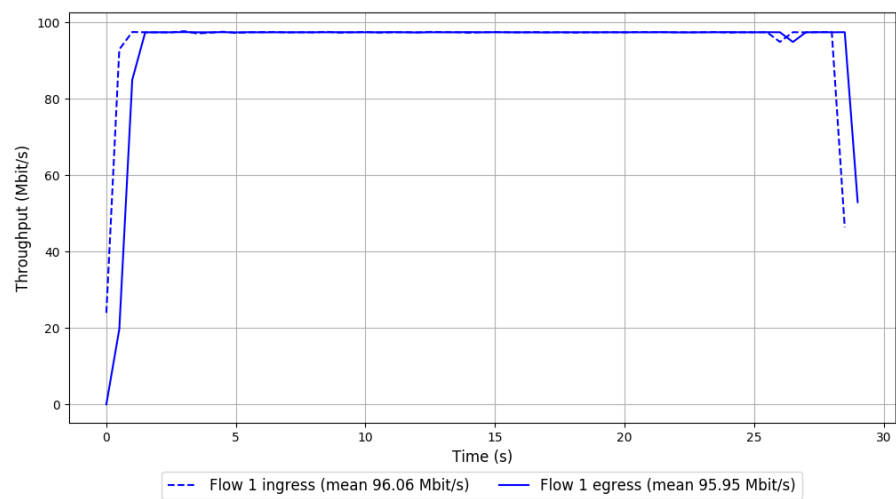
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 35.046 ms

Loss rate: 0.10%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-12 00:47:47

End at: 2019-07-12 00:48:17

Local clock offset: 2.299 ms

Remote clock offset: -3.108 ms

Below is generated by plot.py at 2019-07-12 01:32:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.66 Mbit/s

95th percentile per-packet one-way delay: 33.210 ms

Loss rate: 0.00%

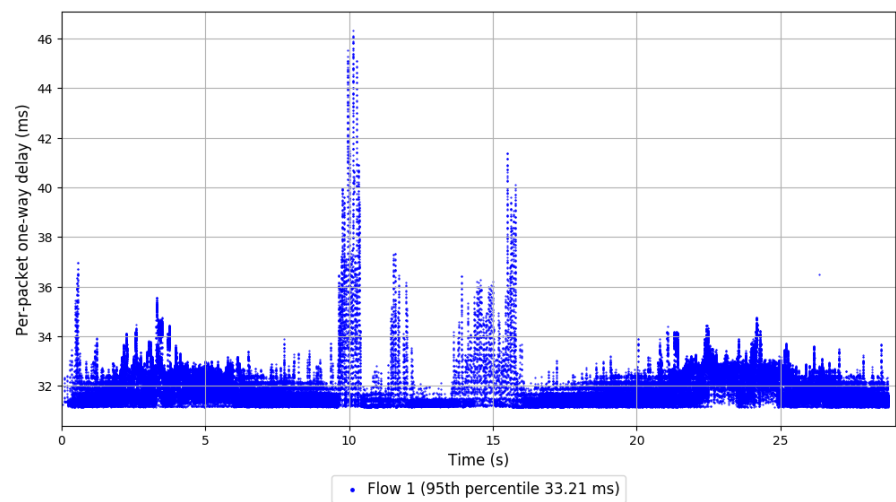
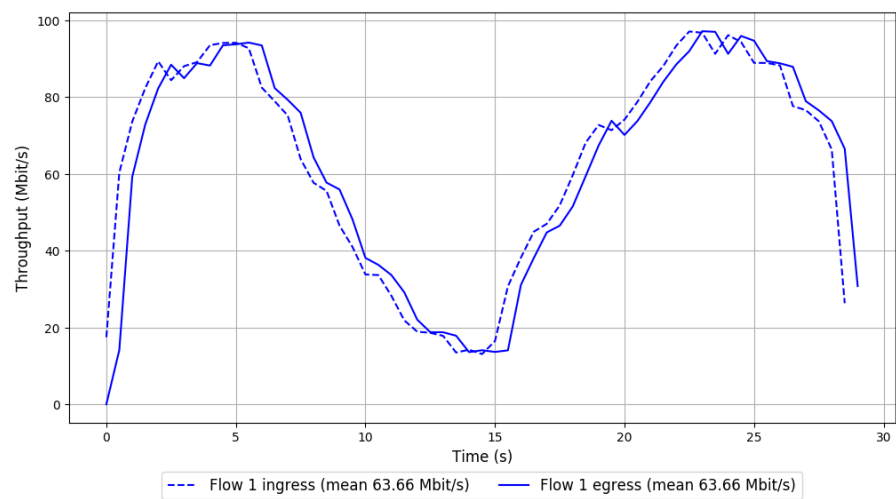
-- Flow 1:

Average throughput: 63.66 Mbit/s

95th percentile per-packet one-way delay: 33.210 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-11 23:04:30

End at: 2019-07-11 23:05:00

Local clock offset: 5.857 ms

Remote clock offset: -2.693 ms

Below is generated by plot.py at 2019-07-12 01:32:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 34.662 ms

Loss rate: 0.77%

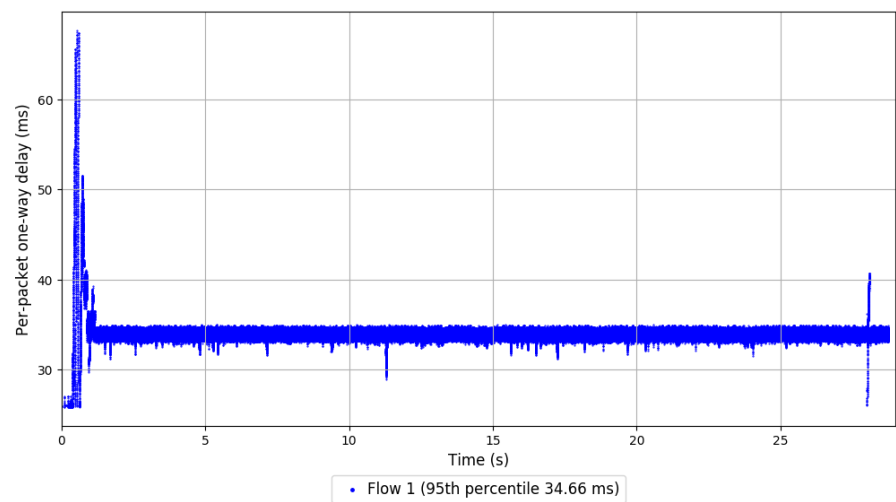
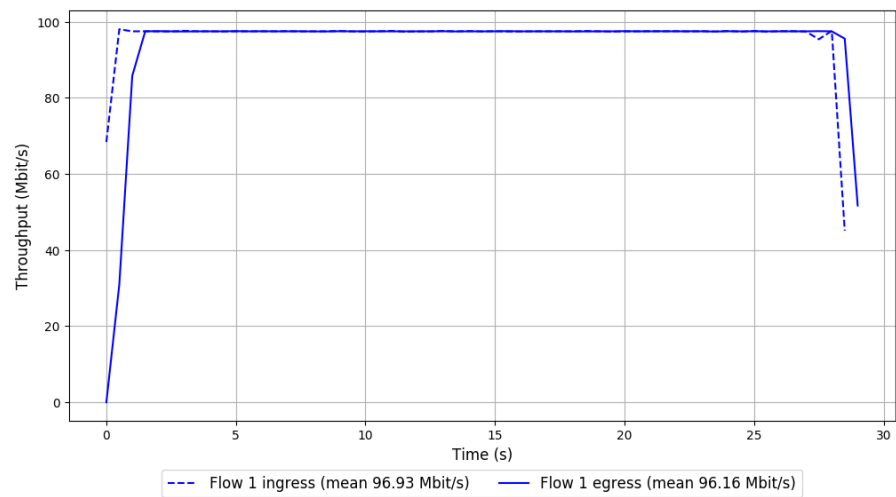
-- Flow 1:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 34.662 ms

Loss rate: 0.77%

Run 1: Report of Indigo-MusesT — Data Link

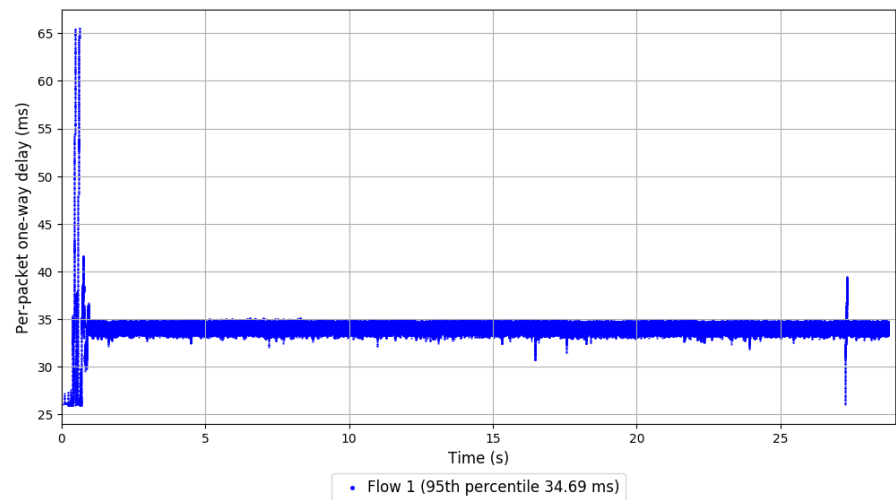
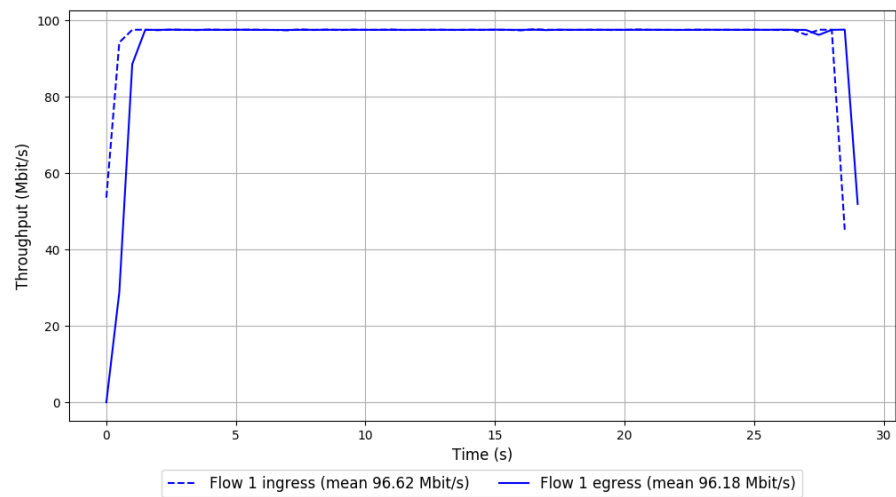


Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-11 23:36:41
End at: 2019-07-11 23:37:11
Local clock offset: 5.701 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2019-07-12 01:32:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 34.690 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 34.690 ms
Loss rate: 0.43%

Run 2: Report of Indigo-MusesT — Data Link

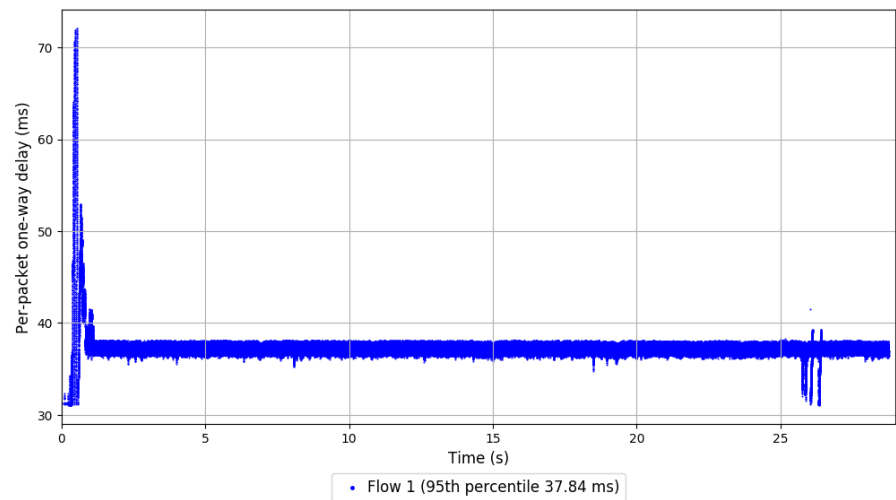
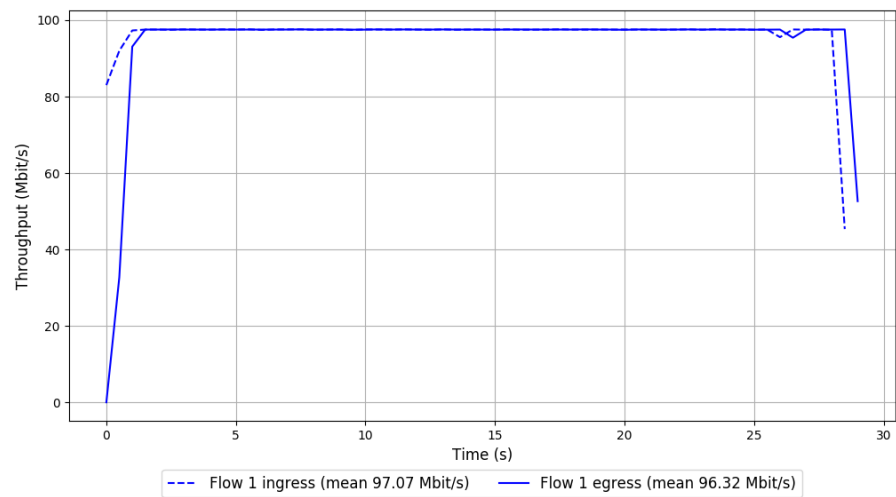


Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-12 00:11:31
End at: 2019-07-12 00:12:01
Local clock offset: 3.094 ms
Remote clock offset: -2.606 ms

Below is generated by plot.py at 2019-07-12 01:32:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 37.839 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 37.839 ms
Loss rate: 0.75%

Run 3: Report of Indigo-MusesT — Data Link

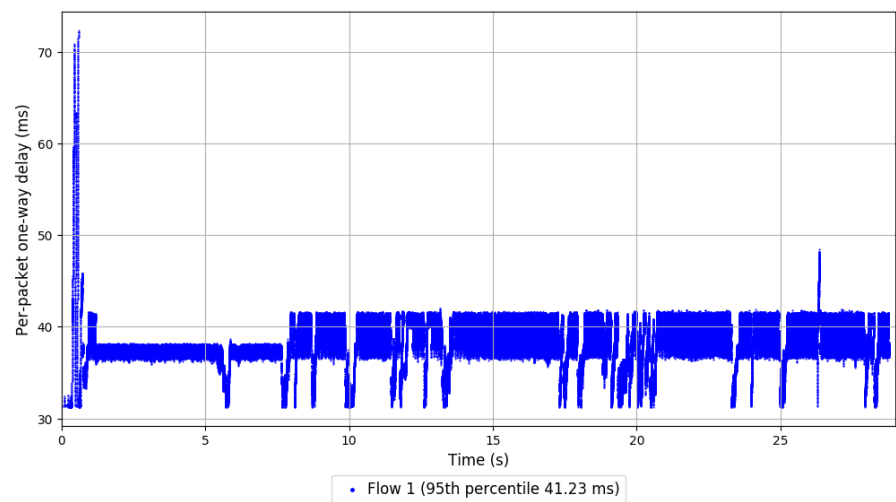
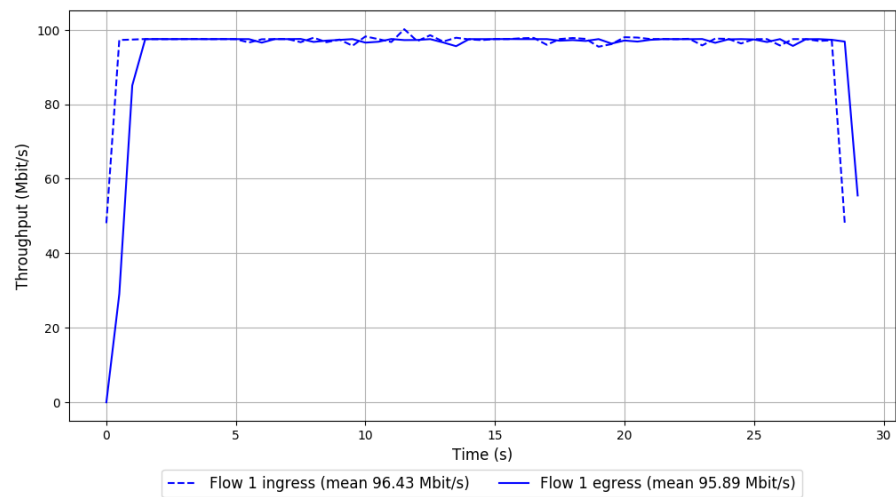


Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-12 00:41:49
End at: 2019-07-12 00:42:19
Local clock offset: 2.316 ms
Remote clock offset: -3.047 ms

Below is generated by plot.py at 2019-07-12 01:32:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 41.225 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 41.225 ms
Loss rate: 0.53%

Run 4: Report of Indigo-MusesT — Data Link

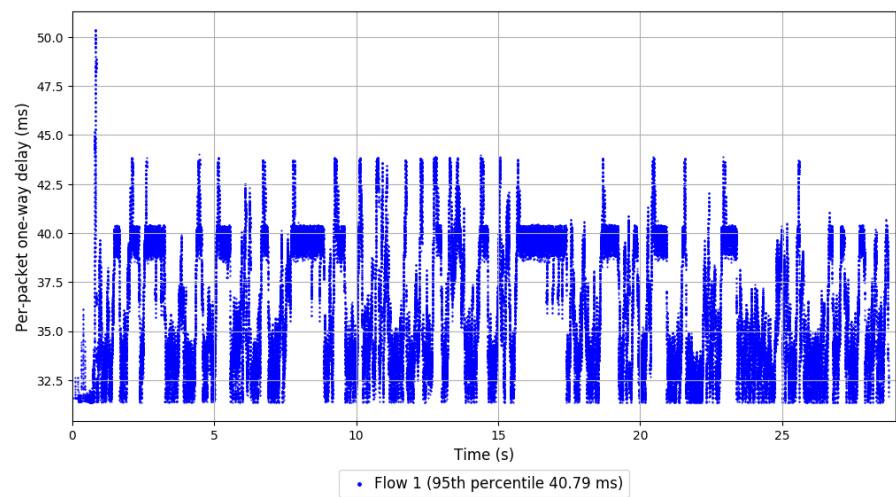
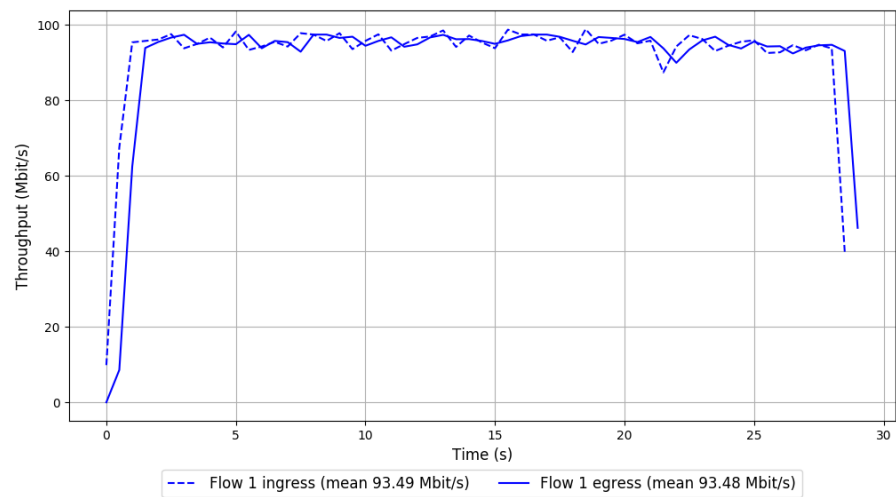


Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-12 01:16:35
End at: 2019-07-12 01:17:05
Local clock offset: -0.604 ms
Remote clock offset: -4.085 ms

Below is generated by plot.py at 2019-07-12 01:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 40.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 40.790 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

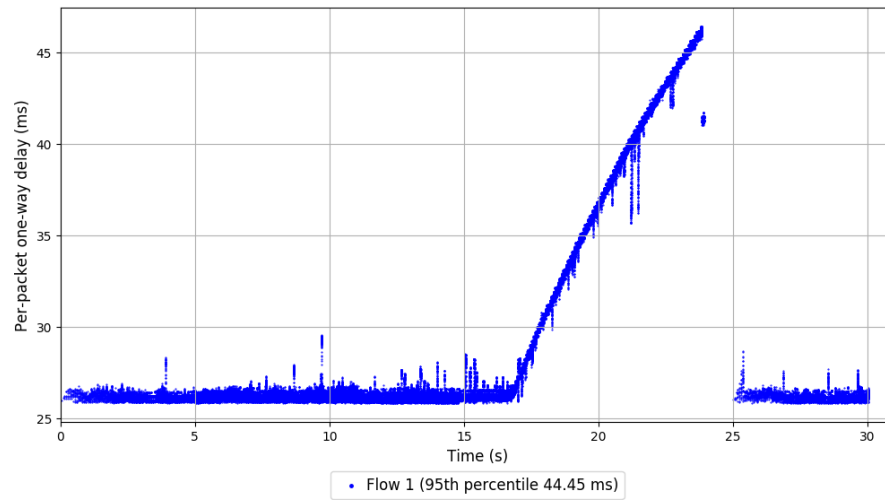
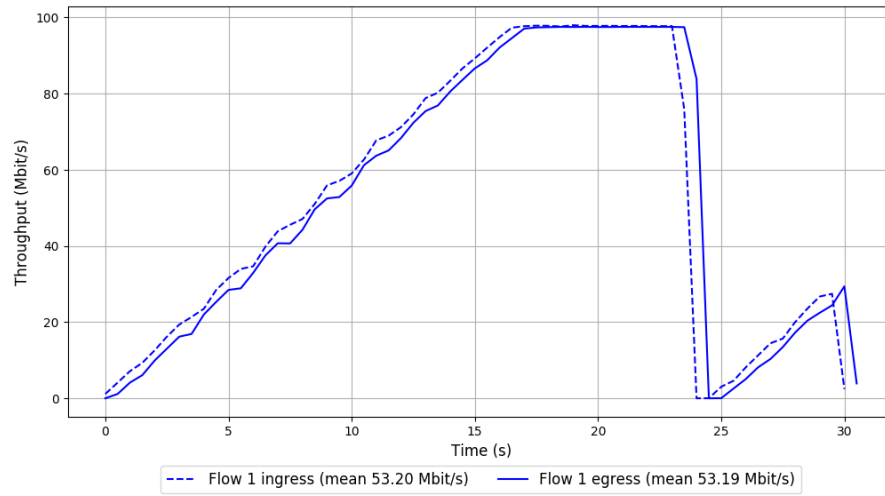


Run 1: Statistics of LEDBAT

Start at: 2019-07-11 23:00:44
End at: 2019-07-11 23:01:14
Local clock offset: 5.999 ms
Remote clock offset: -2.579 ms

Below is generated by plot.py at 2019-07-12 01:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 44.445 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 44.445 ms
Loss rate: 0.03%

Run 1: Report of LEDBAT — Data Link

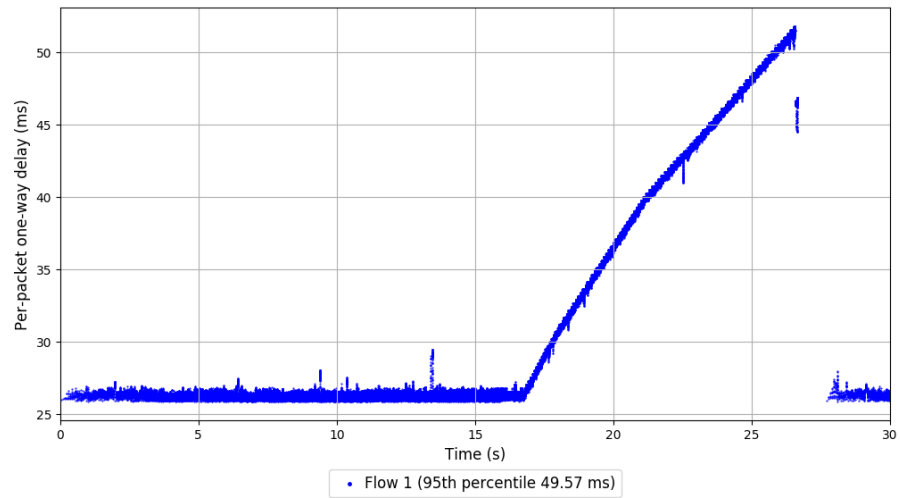
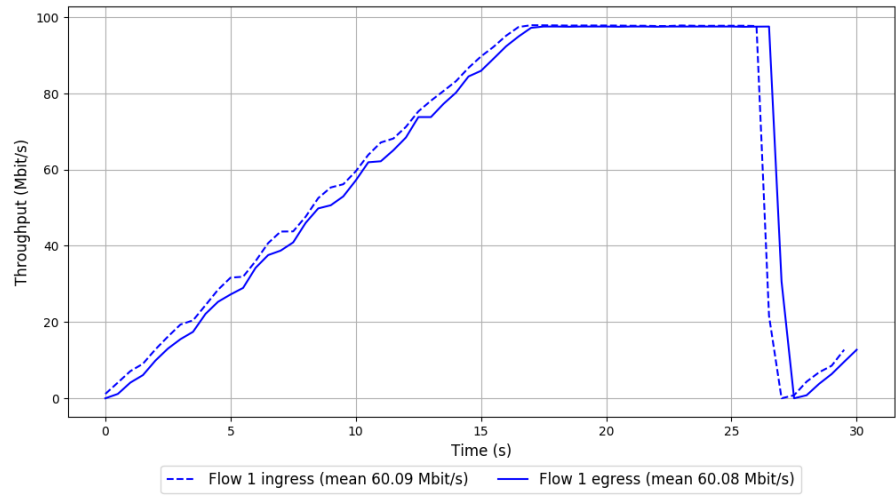


Run 2: Statistics of LEDBAT

Start at: 2019-07-11 23:32:55
End at: 2019-07-11 23:33:25
Local clock offset: 5.713 ms
Remote clock offset: -2.515 ms

Below is generated by plot.py at 2019-07-12 01:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 49.568 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 49.568 ms
Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

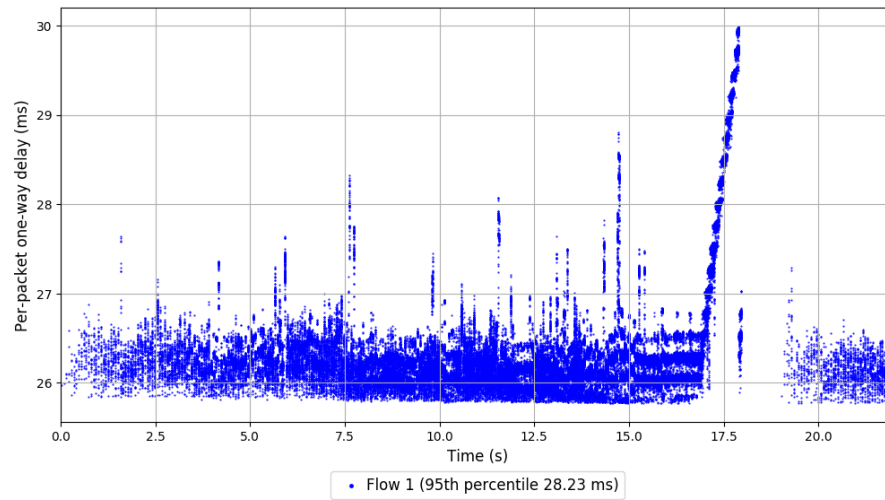
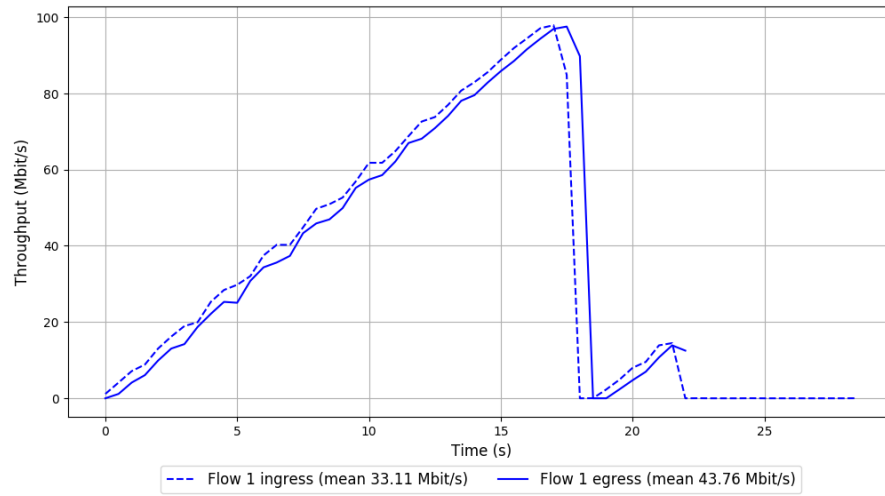
Start at: 2019-07-12 00:03:19

End at: 2019-07-12 00:03:49

Local clock offset: 4.572 ms

Remote clock offset: -2.362 ms

Run 3: Report of LEDBAT — Data Link

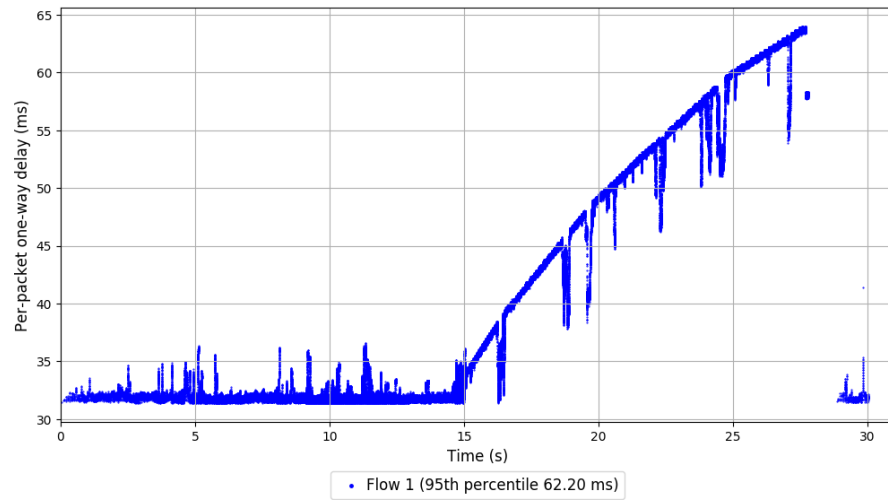
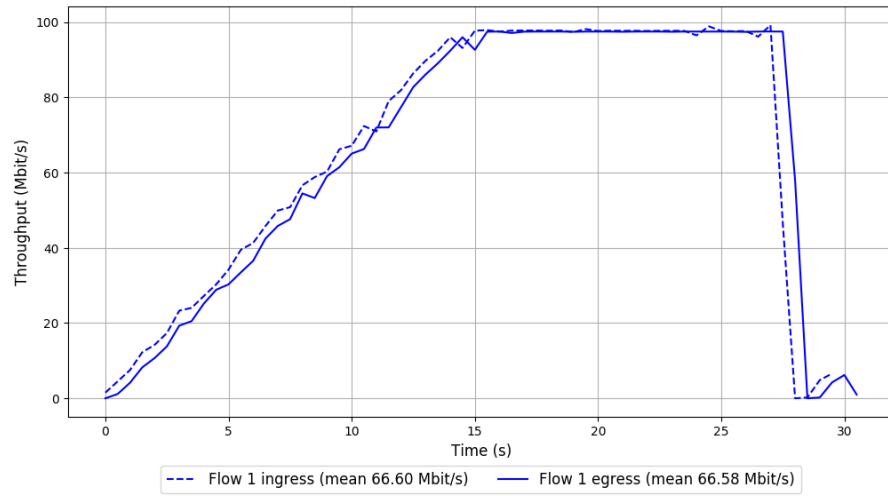


Run 4: Statistics of LEDBAT

Start at: 2019-07-12 00:37:50
End at: 2019-07-12 00:38:20
Local clock offset: 2.225 ms
Remote clock offset: -2.973 ms

Below is generated by plot.py at 2019-07-12 01:33:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 62.196 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 62.196 ms
Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link

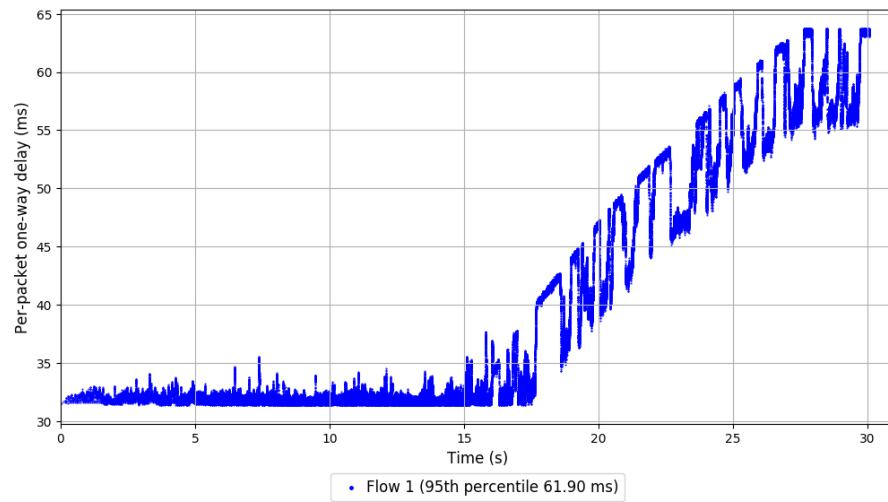
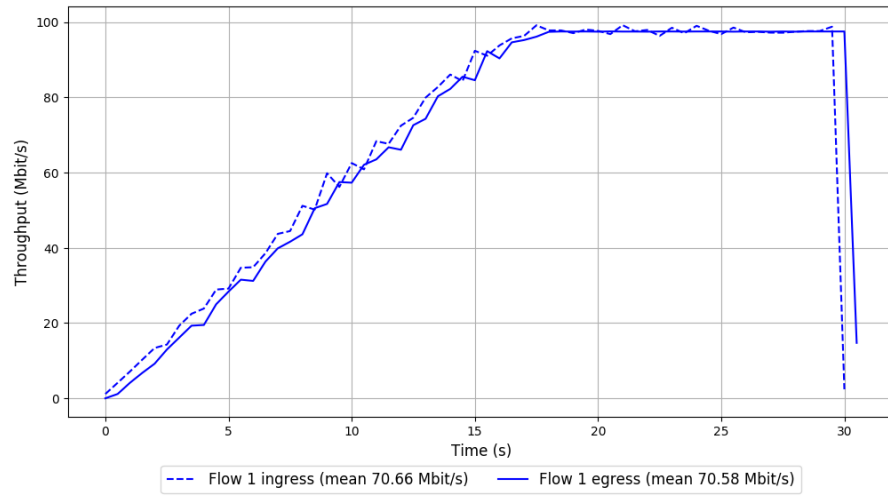


Run 5: Statistics of LEDBAT

Start at: 2019-07-12 01:11:20
End at: 2019-07-12 01:11:50
Local clock offset: -0.084 ms
Remote clock offset: -3.839 ms

Below is generated by plot.py at 2019-07-12 01:33:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 61.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 61.898 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

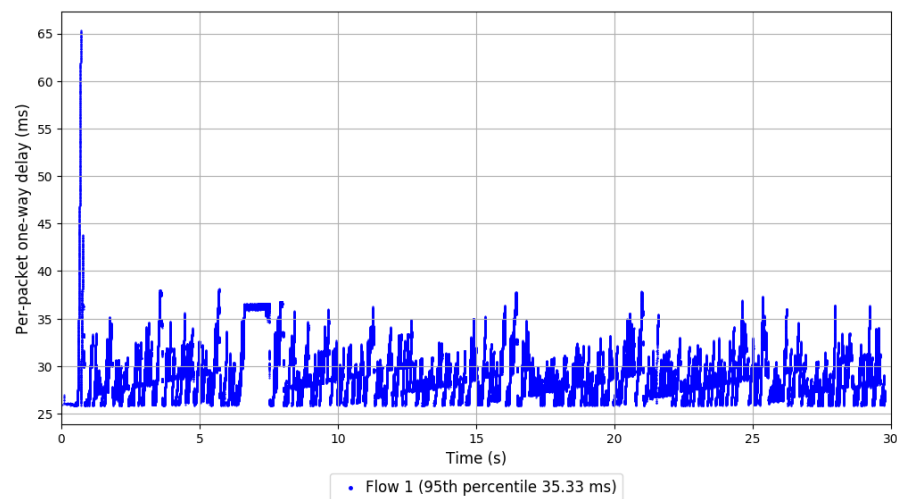
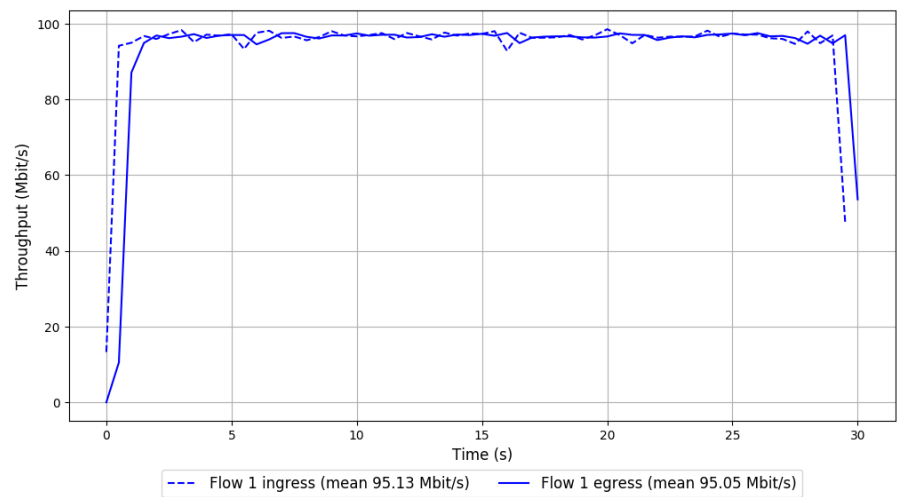


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-11 23:09:27
End at: 2019-07-11 23:09:57
Local clock offset: 5.744 ms
Remote clock offset: -2.717 ms

Below is generated by plot.py at 2019-07-12 01:33:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 35.328 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 35.328 ms
Loss rate: 0.08%

Run 1: Report of Muses_DecisionTree — Data Link

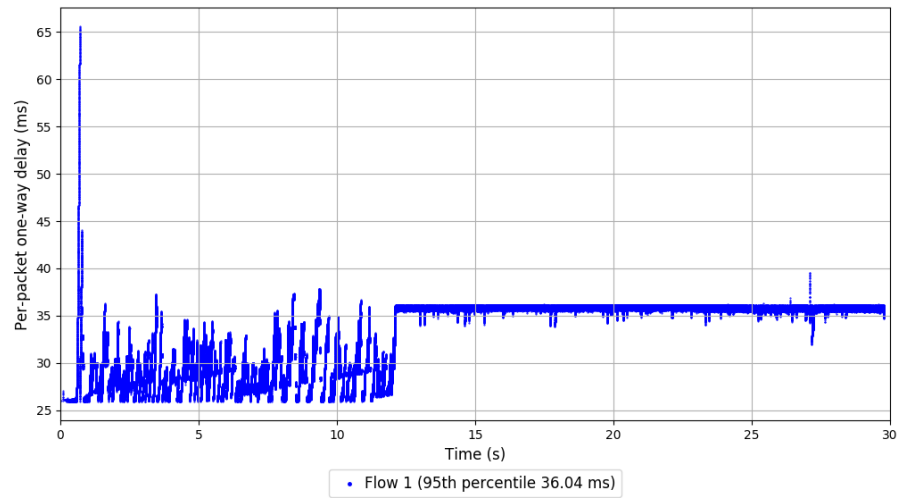
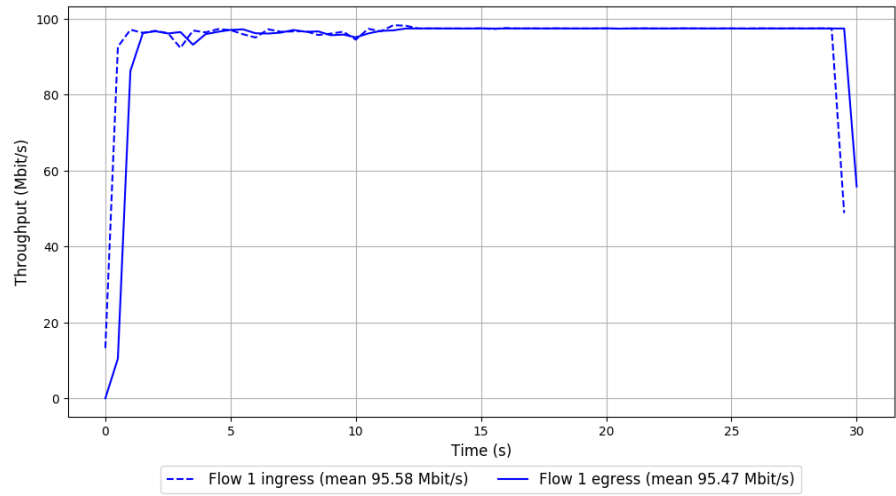


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-11 23:41:36
End at: 2019-07-11 23:42:06
Local clock offset: 5.742 ms
Remote clock offset: -2.448 ms

Below is generated by plot.py at 2019-07-12 01:33:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 36.040 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 36.040 ms
Loss rate: 0.08%

Run 2: Report of Muses_DecisionTree — Data Link

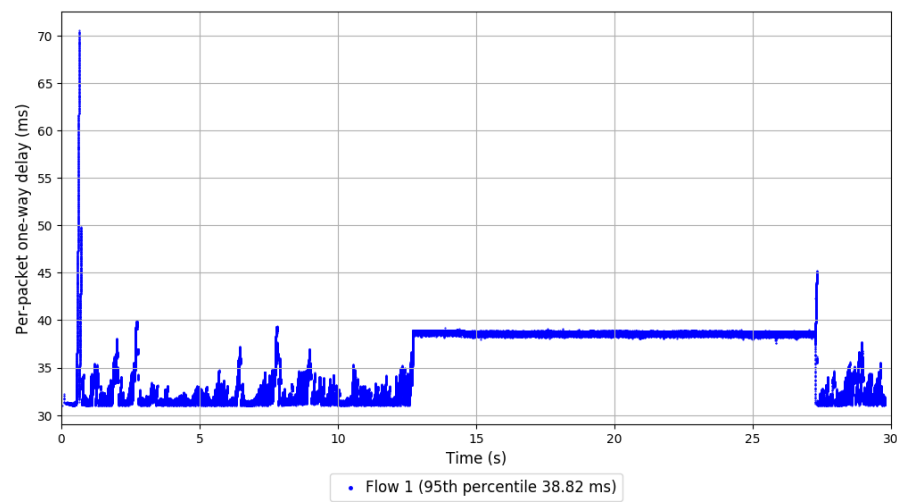
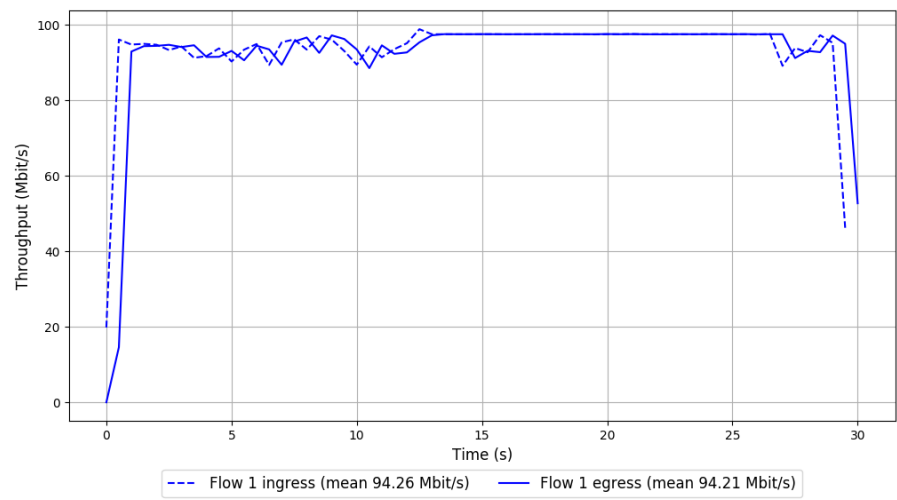


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-12 00:16:24
End at: 2019-07-12 00:16:54
Local clock offset: 2.516 ms
Remote clock offset: -2.771 ms

Below is generated by plot.py at 2019-07-12 01:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 38.824 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 38.824 ms
Loss rate: 0.05%

Run 3: Report of Muses_DecisionTree — Data Link

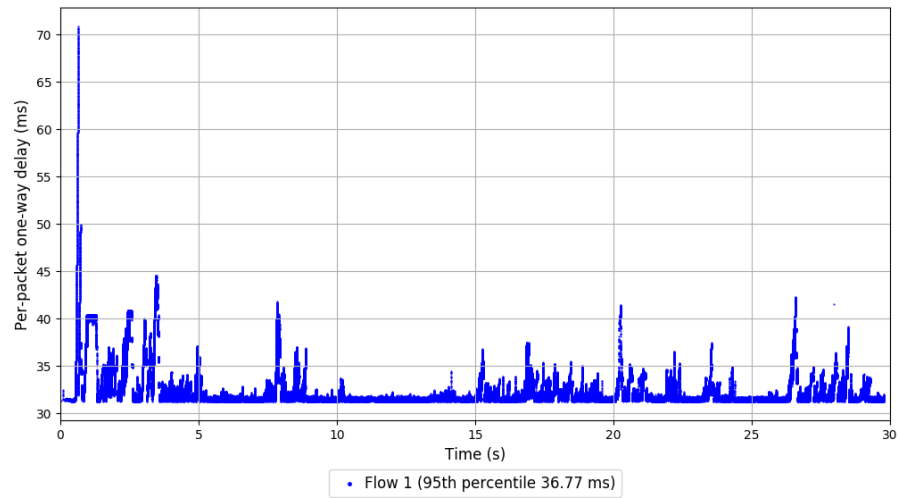
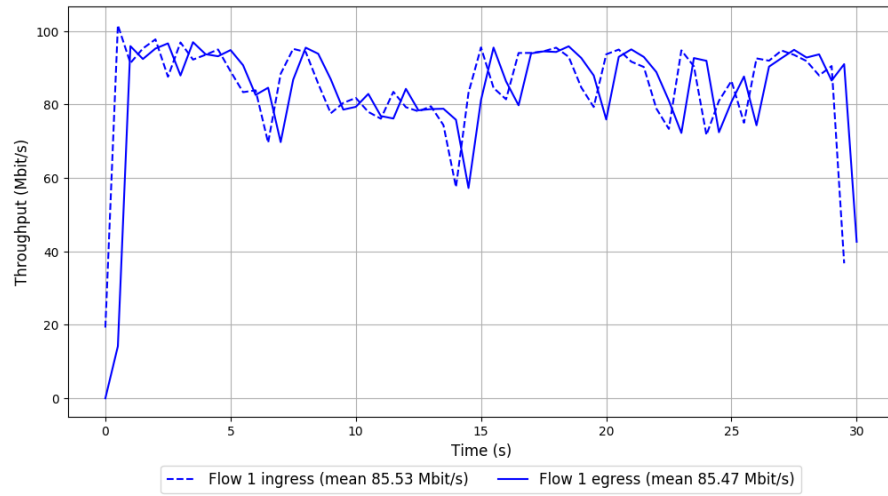


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-12 00:46:35
End at: 2019-07-12 00:47:05
Local clock offset: 2.313 ms
Remote clock offset: -3.118 ms

Below is generated by plot.py at 2019-07-12 01:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 36.769 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 36.769 ms
Loss rate: 0.07%

Run 4: Report of Muses_DecisionTree — Data Link

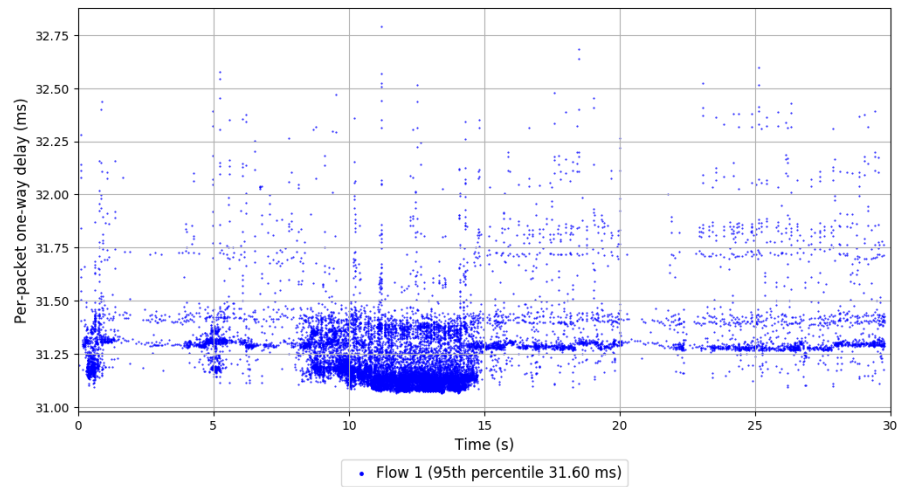
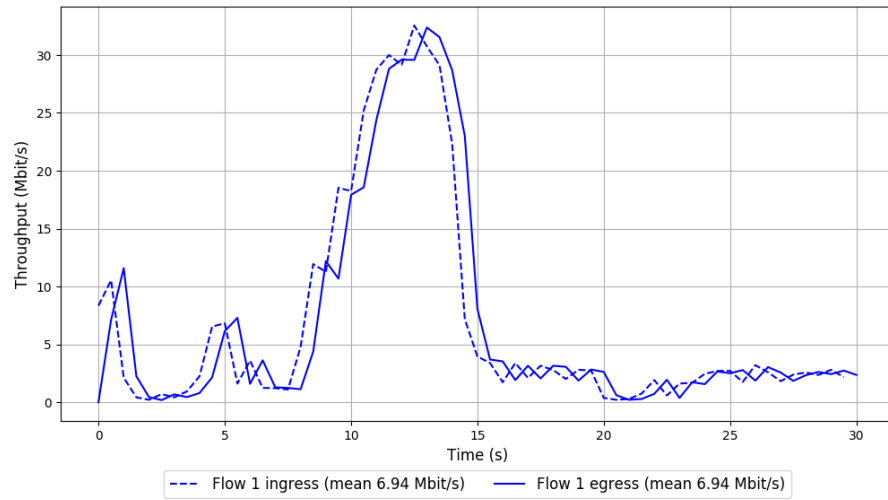


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-12 01:23:09
End at: 2019-07-12 01:23:39
Local clock offset: -1.113 ms
Remote clock offset: -4.378 ms

Below is generated by plot.py at 2019-07-12 01:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 31.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 31.604 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 22:49:13

End at: 2019-07-11 22:49:44

Local clock offset: 5.924 ms

Remote clock offset: -2.71 ms

Below is generated by plot.py at 2019-07-12 01:34:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 36.308 ms

Loss rate: 0.11%

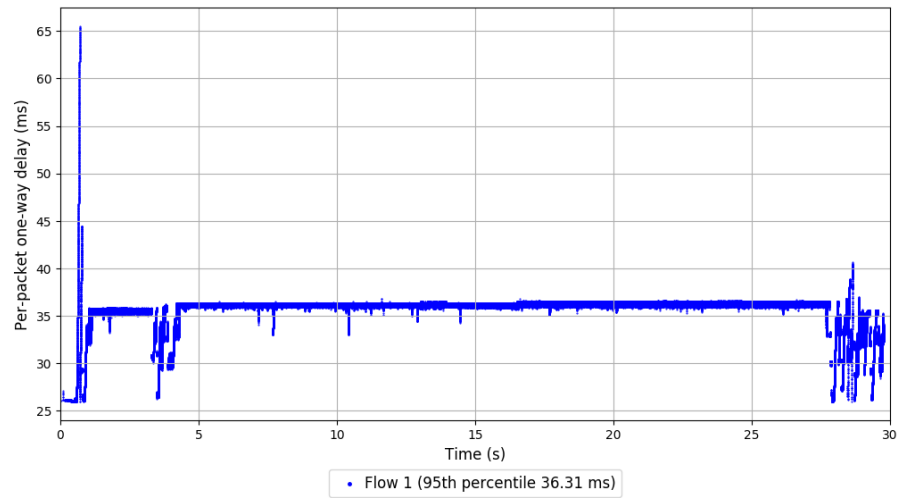
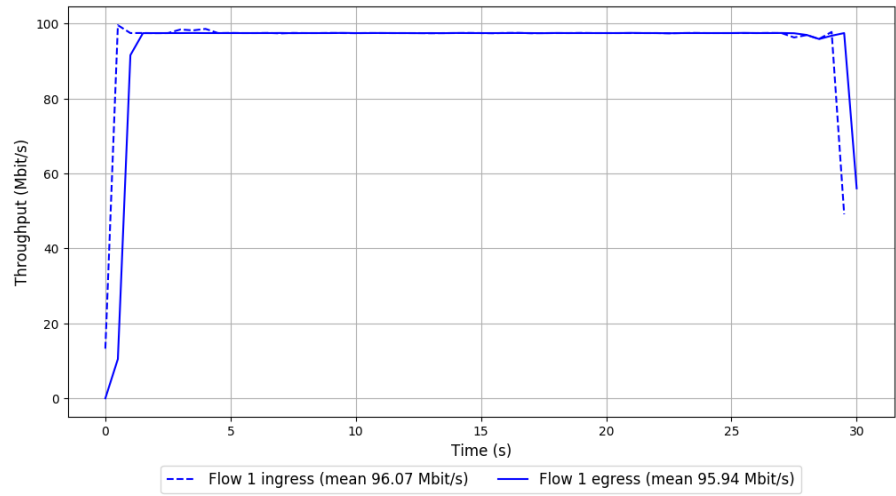
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 36.308 ms

Loss rate: 0.11%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

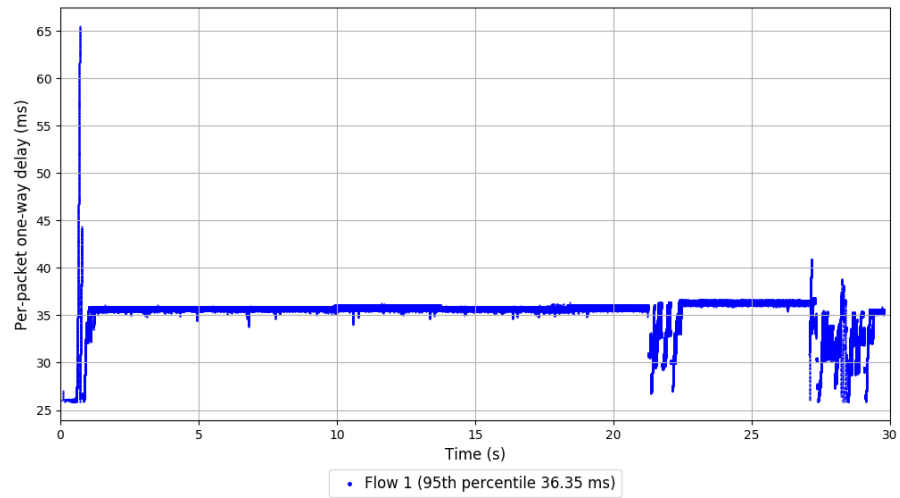
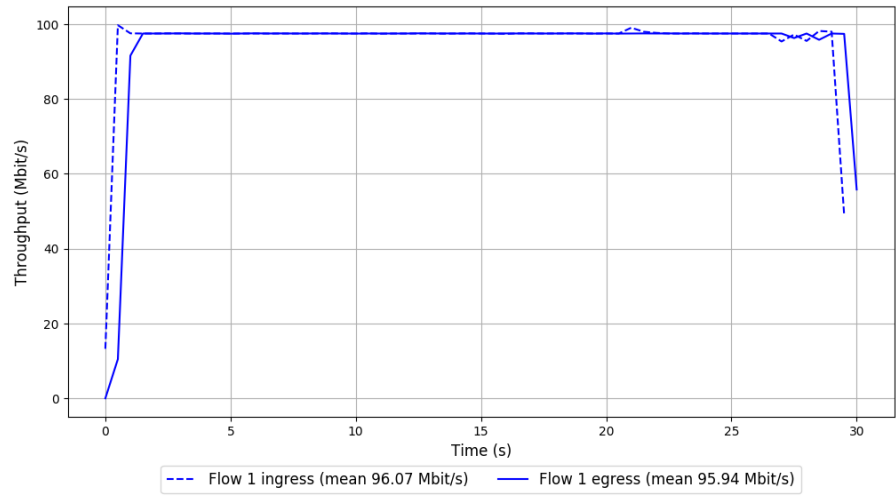


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 23:20:12
End at: 2019-07-11 23:20:42
Local clock offset: 5.672 ms
Remote clock offset: -2.675 ms

Below is generated by plot.py at 2019-07-12 01:34:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 36.355 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 36.355 ms
Loss rate: 0.11%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

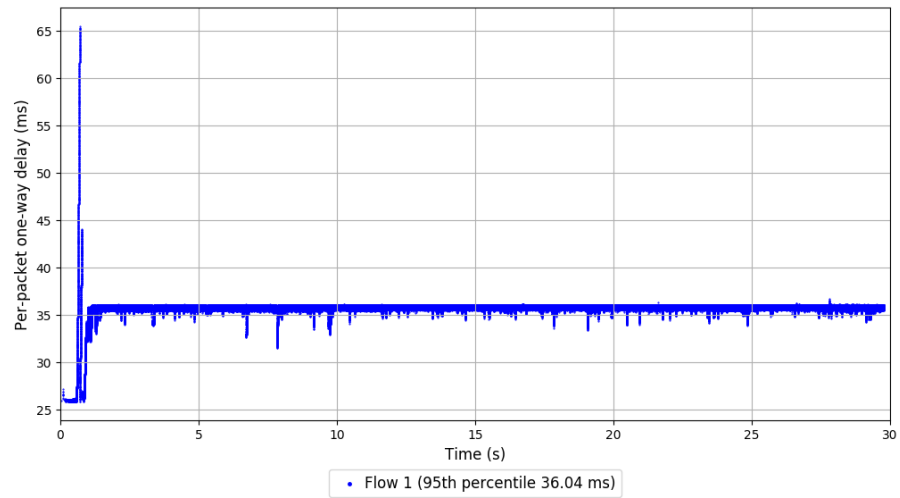
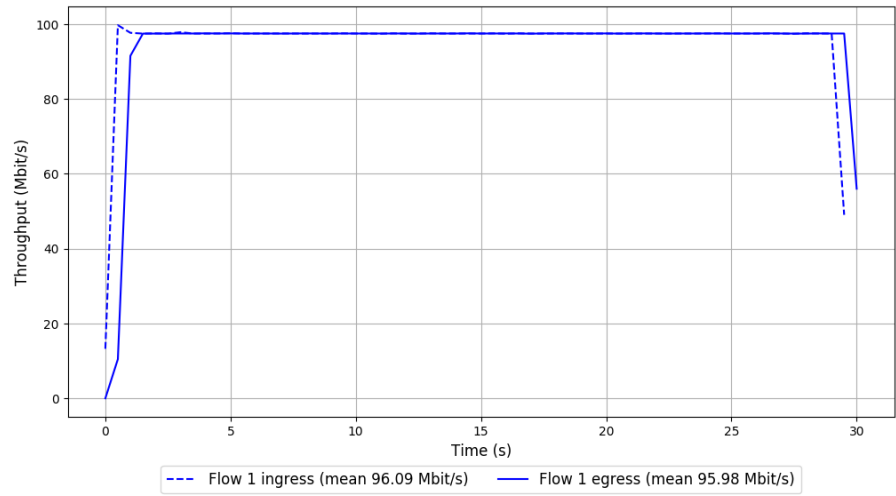


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-11 23:51:58
End at: 2019-07-11 23:52:28
Local clock offset: 5.813 ms
Remote clock offset: -2.307 ms

Below is generated by plot.py at 2019-07-12 01:34:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 36.042 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 36.042 ms
Loss rate: 0.08%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

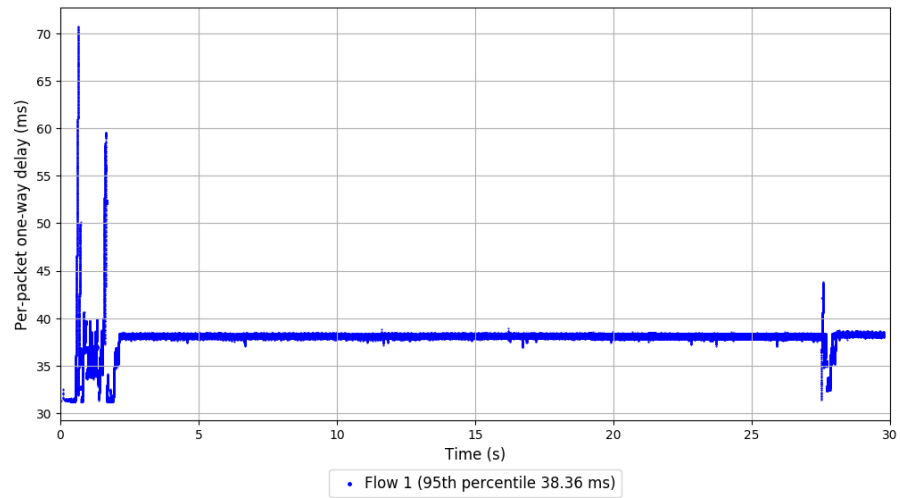
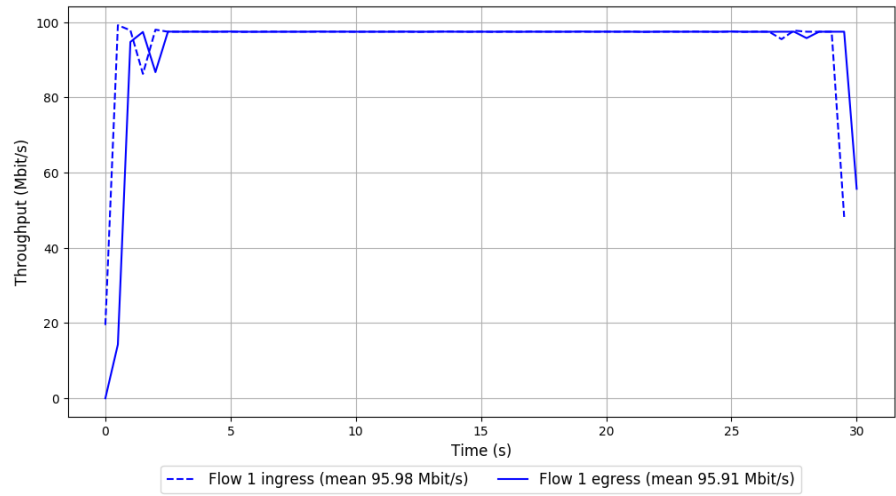


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 00:26:31
End at: 2019-07-12 00:27:01
Local clock offset: 1.734 ms
Remote clock offset: -2.926 ms

Below is generated by plot.py at 2019-07-12 01:34:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 38.364 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 38.364 ms
Loss rate: 0.05%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 00:57:59

End at: 2019-07-12 00:58:29

Local clock offset: 2.07 ms

Remote clock offset: -3.4 ms

Below is generated by plot.py at 2019-07-12 01:35:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 54.185 ms

Loss rate: 3.81%

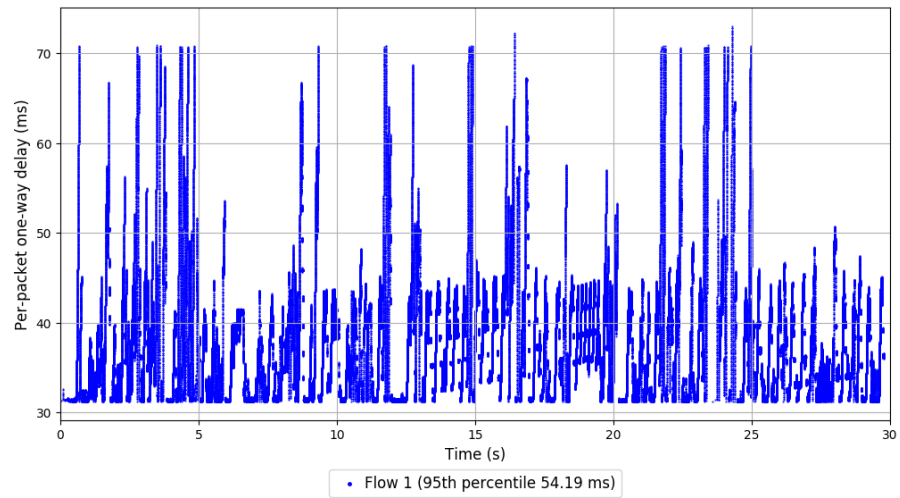
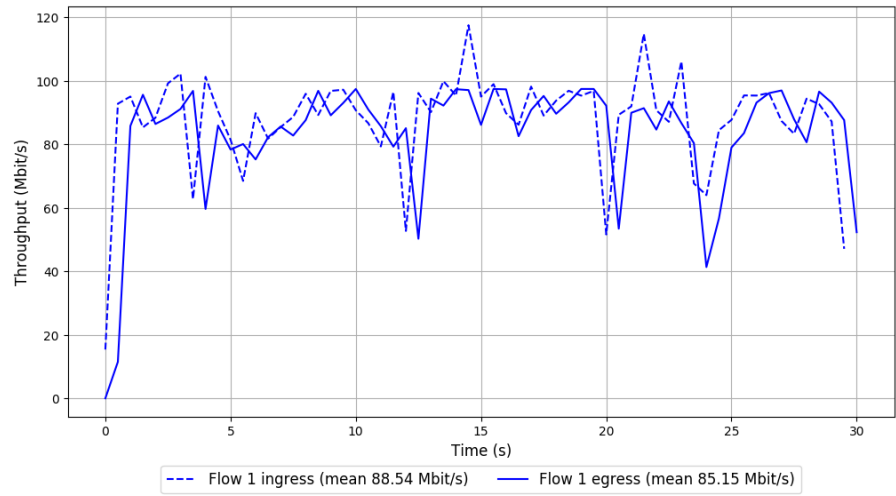
-- Flow 1:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 54.185 ms

Loss rate: 3.81%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

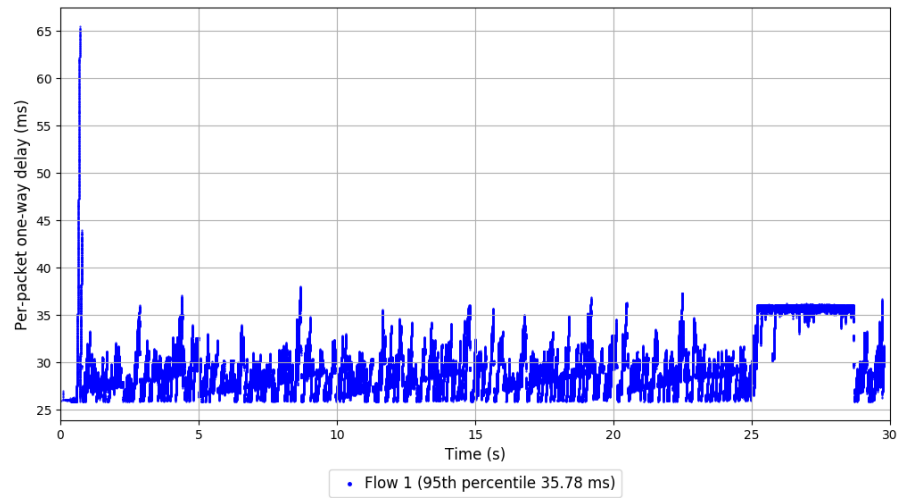
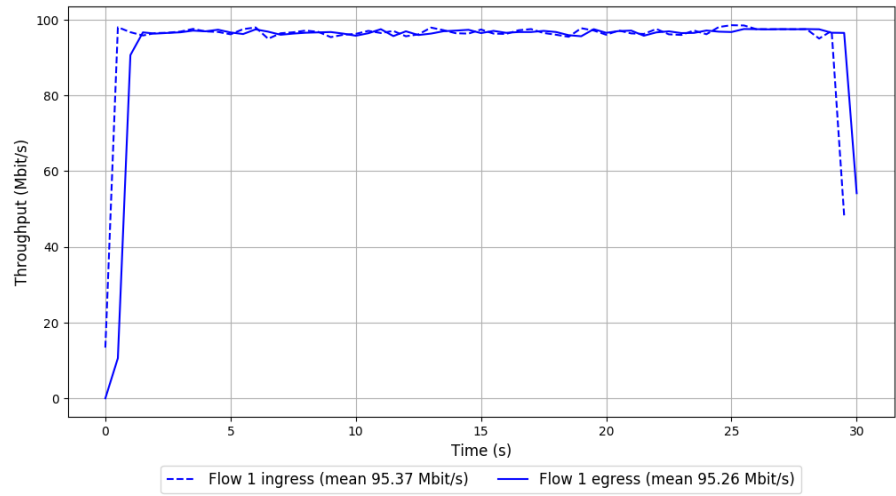


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-11 22:53:18
End at: 2019-07-11 22:53:48
Local clock offset: 6.011 ms
Remote clock offset: -2.708 ms

# Below is generated by plot.py at 2019-07-12 01:35:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 35.781 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 35.781 ms
Loss rate: 0.09%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

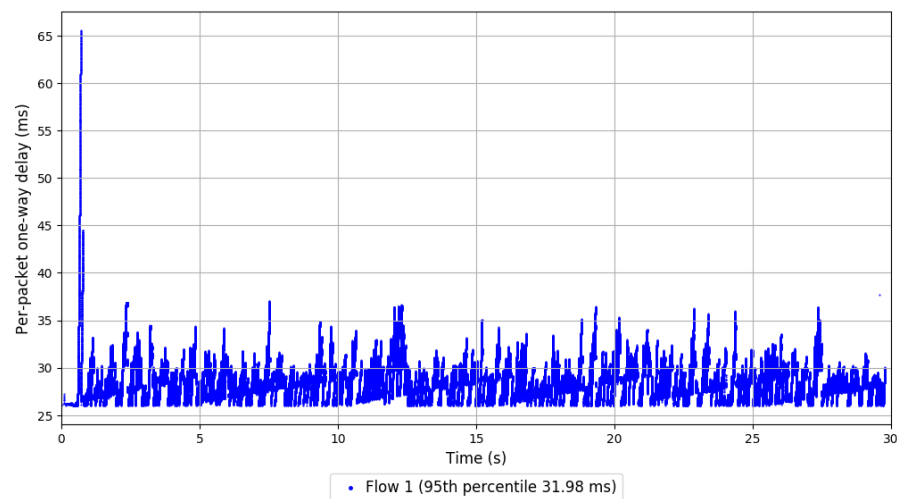
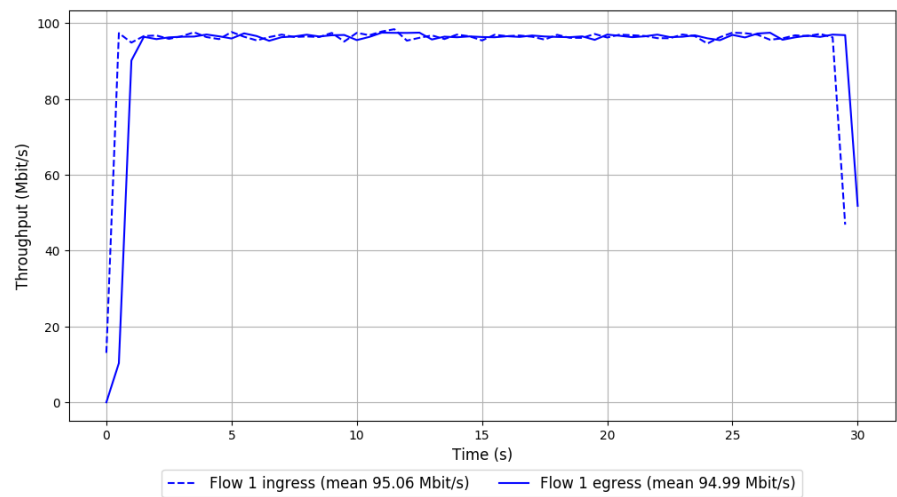


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 23:24:36
End at: 2019-07-11 23:25:06
Local clock offset: 5.692 ms
Remote clock offset: -2.522 ms

Below is generated by plot.py at 2019-07-12 01:35:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 31.980 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 31.980 ms
Loss rate: 0.07%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

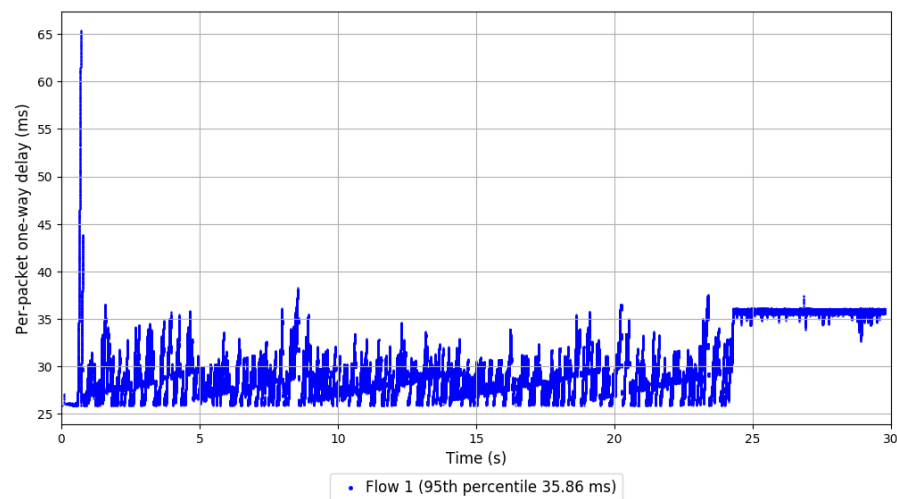
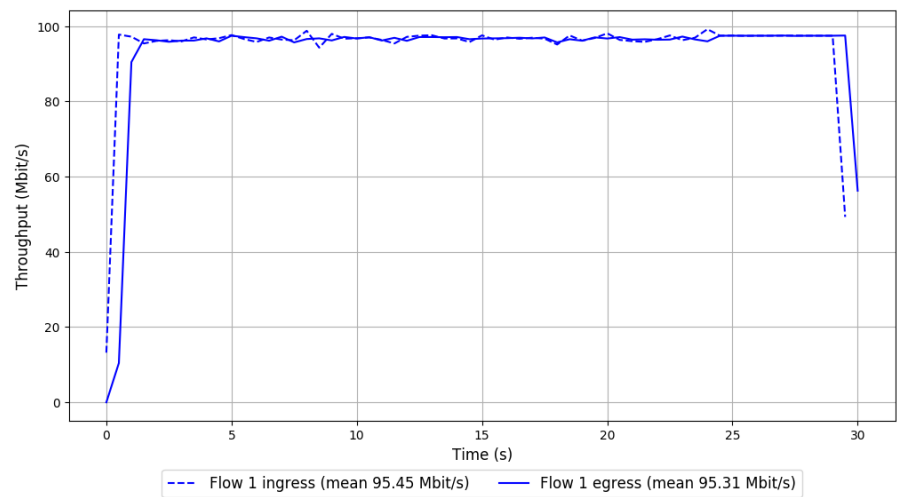


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-11 23:55:54
End at: 2019-07-11 23:56:24
Local clock offset: 5.836 ms
Remote clock offset: -2.249 ms

Below is generated by plot.py at 2019-07-12 01:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 35.858 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 35.858 ms
Loss rate: 0.12%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

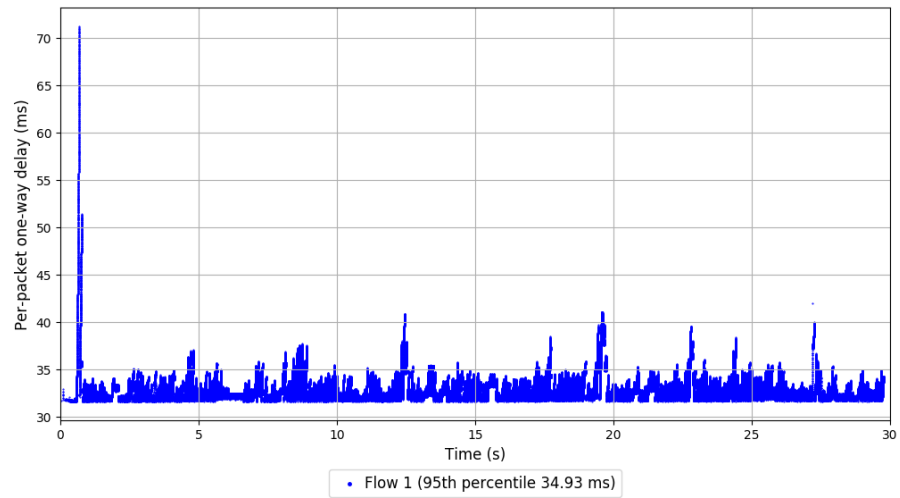
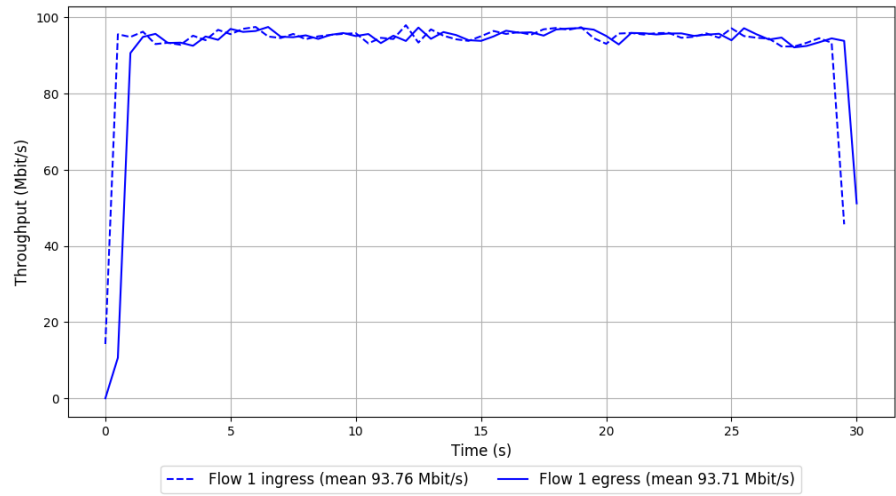


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 00:30:18
End at: 2019-07-12 00:30:48
Local clock offset: 1.679 ms
Remote clock offset: -2.877 ms

Below is generated by plot.py at 2019-07-12 01:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 34.931 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 34.931 ms
Loss rate: 0.05%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

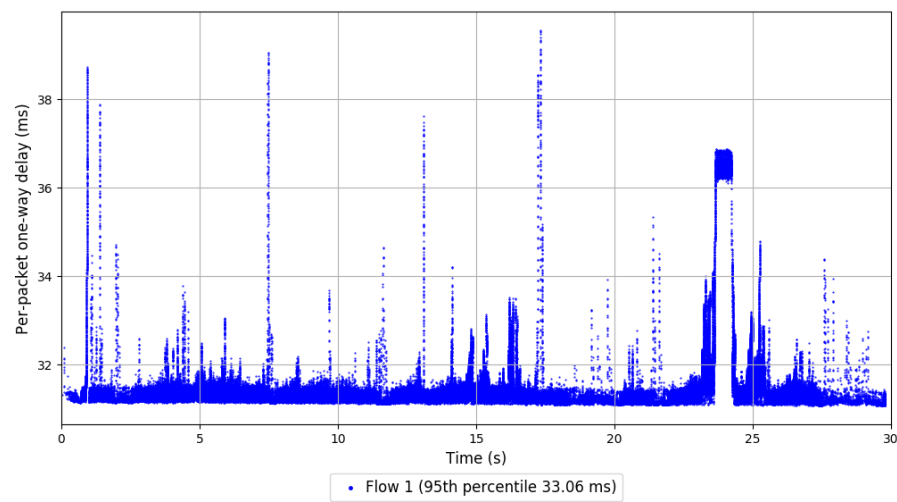
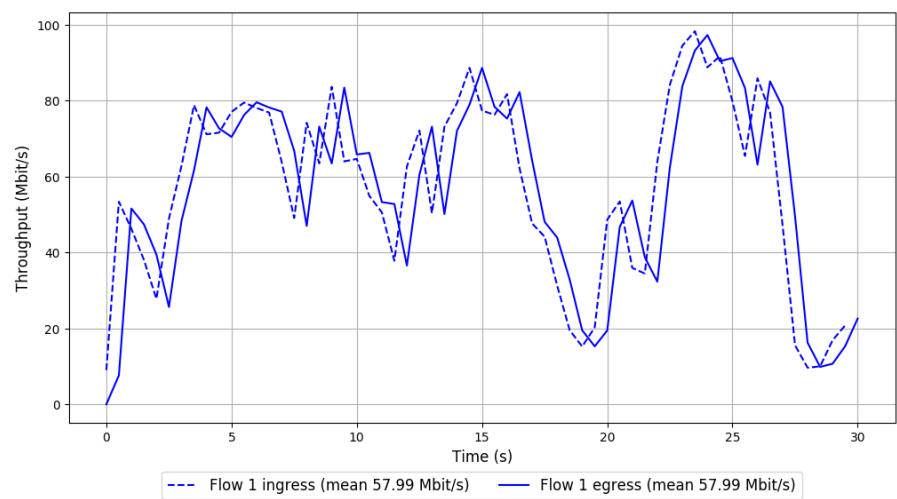


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 01:02:30
End at: 2019-07-12 01:03:00
Local clock offset: 1.264 ms
Remote clock offset: -3.536 ms

Below is generated by plot.py at 2019-07-12 01:35:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 33.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.99 Mbit/s
95th percentile per-packet one-way delay: 33.059 ms
Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-07-11 22:57:01

End at: 2019-07-11 22:57:31

Local clock offset: 6.063 ms

Remote clock offset: -2.684 ms

Below is generated by plot.py at 2019-07-12 01:35:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 31.011 ms

Loss rate: 0.68%

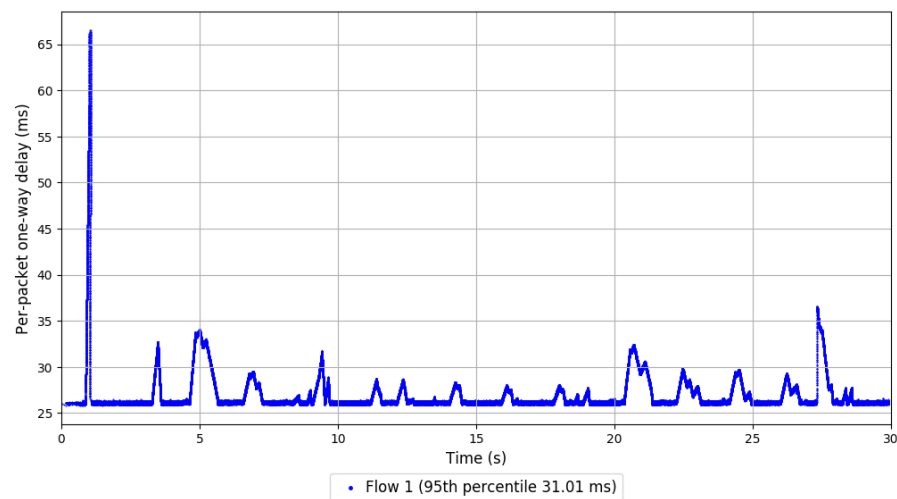
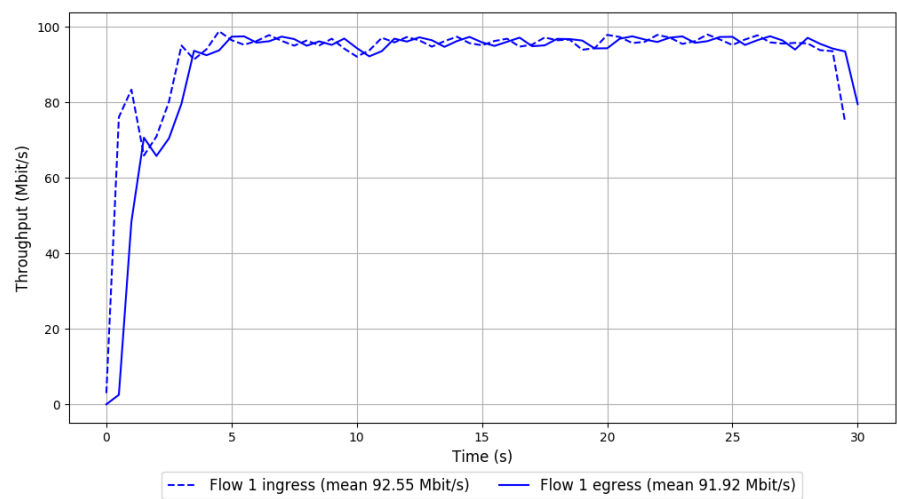
-- Flow 1:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 31.011 ms

Loss rate: 0.68%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-07-11 23:28:40

End at: 2019-07-11 23:29:10

Local clock offset: 5.666 ms

Remote clock offset: -2.541 ms

Below is generated by plot.py at 2019-07-12 01:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.16 Mbit/s

95th percentile per-packet one-way delay: 28.906 ms

Loss rate: 0.74%

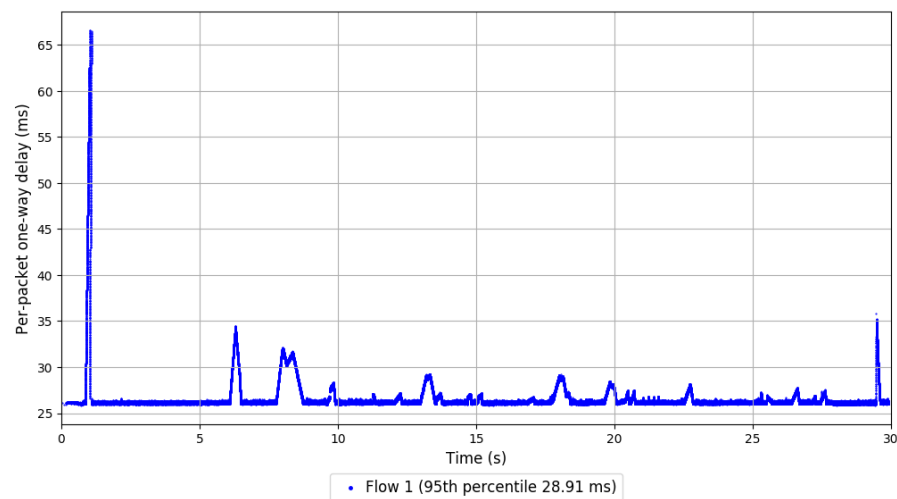
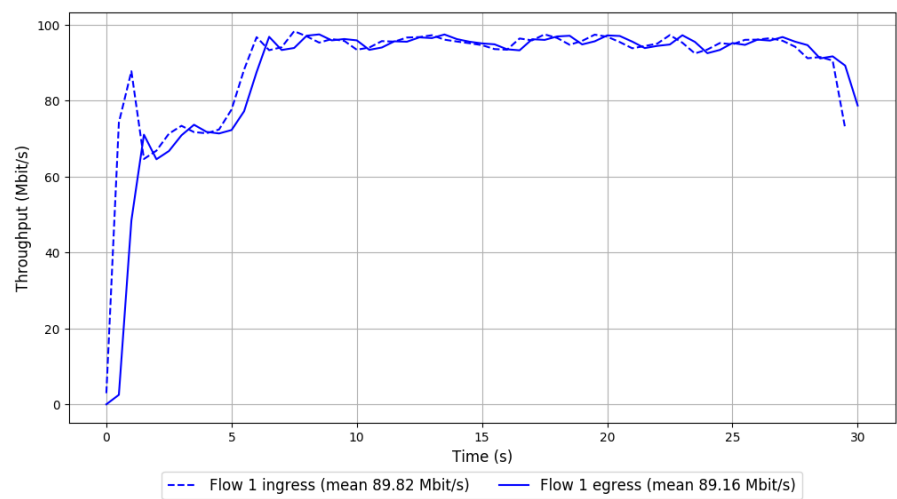
-- Flow 1:

Average throughput: 89.16 Mbit/s

95th percentile per-packet one-way delay: 28.906 ms

Loss rate: 0.74%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-11 23:59:33

End at: 2019-07-12 00:00:03

Local clock offset: 5.663 ms

Remote clock offset: -2.174 ms

Below is generated by plot.py at 2019-07-12 01:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.39 Mbit/s

95th percentile per-packet one-way delay: 31.113 ms

Loss rate: 0.68%

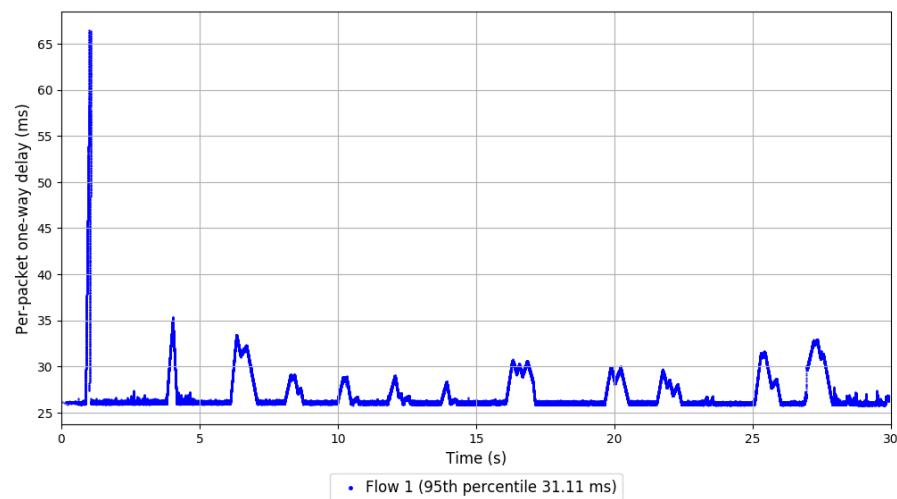
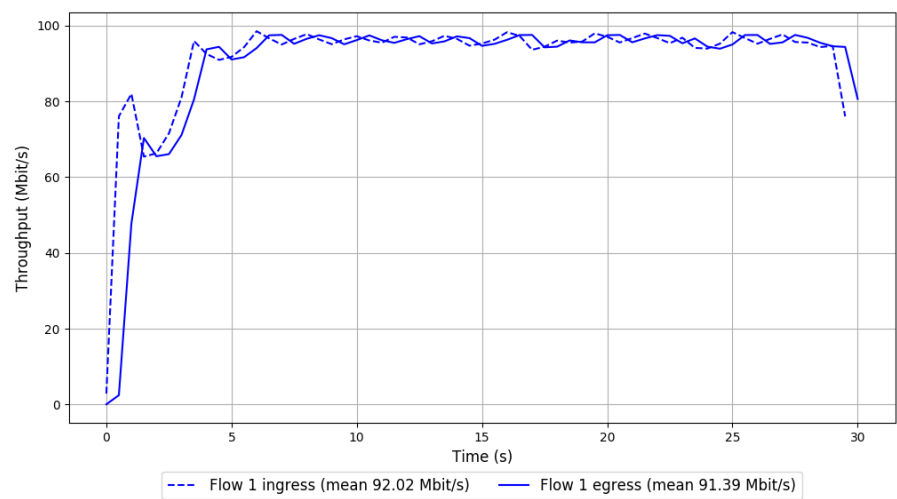
-- Flow 1:

Average throughput: 91.39 Mbit/s

95th percentile per-packet one-way delay: 31.113 ms

Loss rate: 0.68%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-12 00:33:59

End at: 2019-07-12 00:34:29

Local clock offset: 2.057 ms

Remote clock offset: -2.911 ms

Below is generated by plot.py at 2019-07-12 01:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 37.142 ms

Loss rate: 0.68%

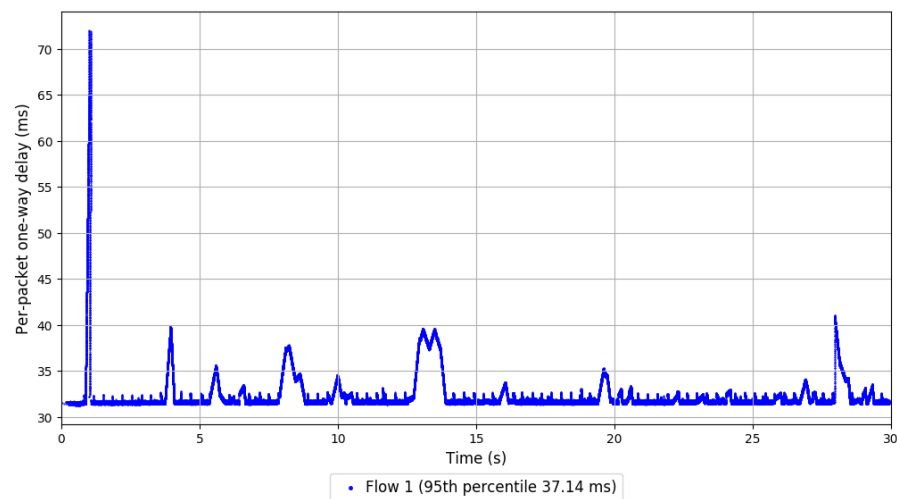
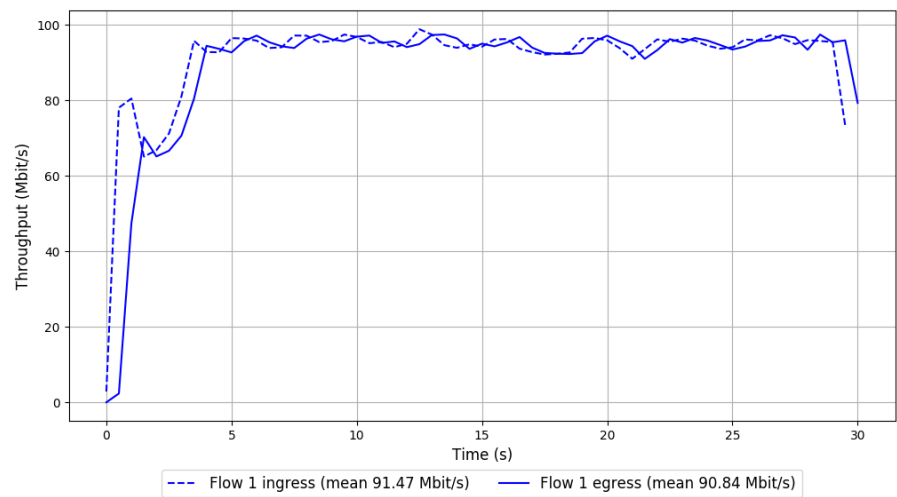
-- Flow 1:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 37.142 ms

Loss rate: 0.68%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-12 01:07:15

End at: 2019-07-12 01:07:45

Local clock offset: 0.421 ms

Remote clock offset: -3.701 ms

Below is generated by plot.py at 2019-07-12 01:36:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.64 Mbit/s

95th percentile per-packet one-way delay: 31.665 ms

Loss rate: 0.00%

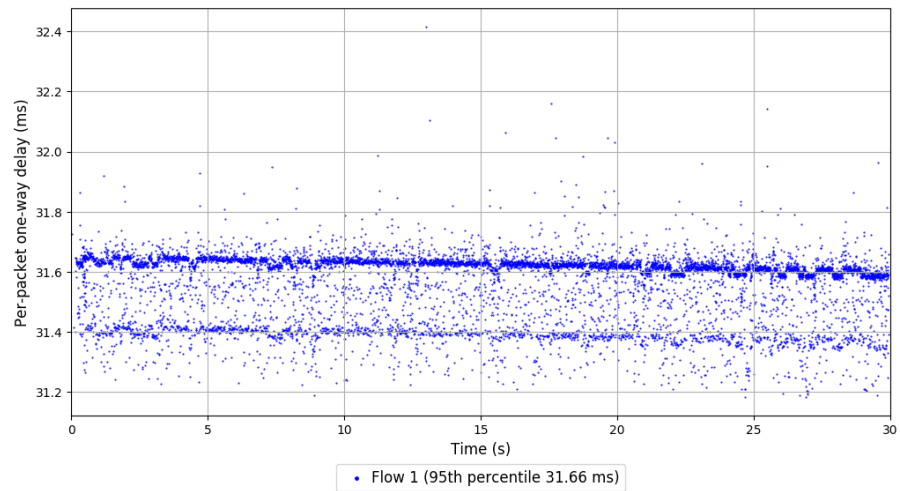
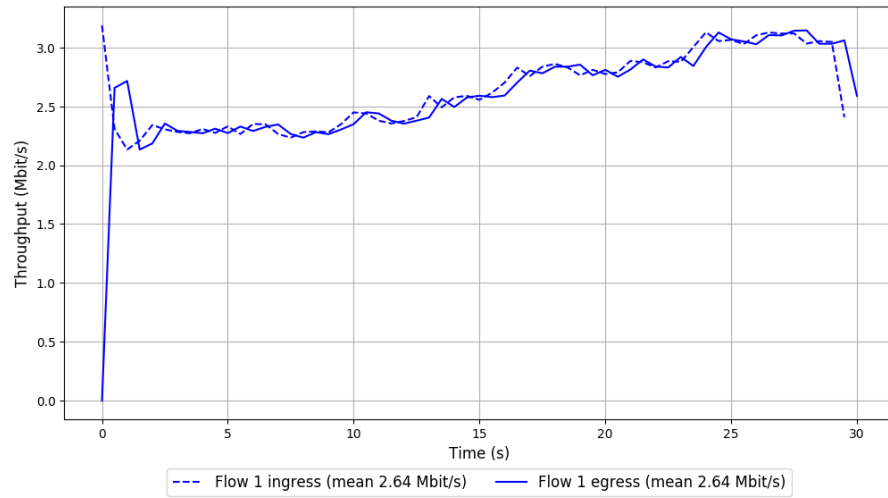
-- Flow 1:

Average throughput: 2.64 Mbit/s

95th percentile per-packet one-way delay: 31.665 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

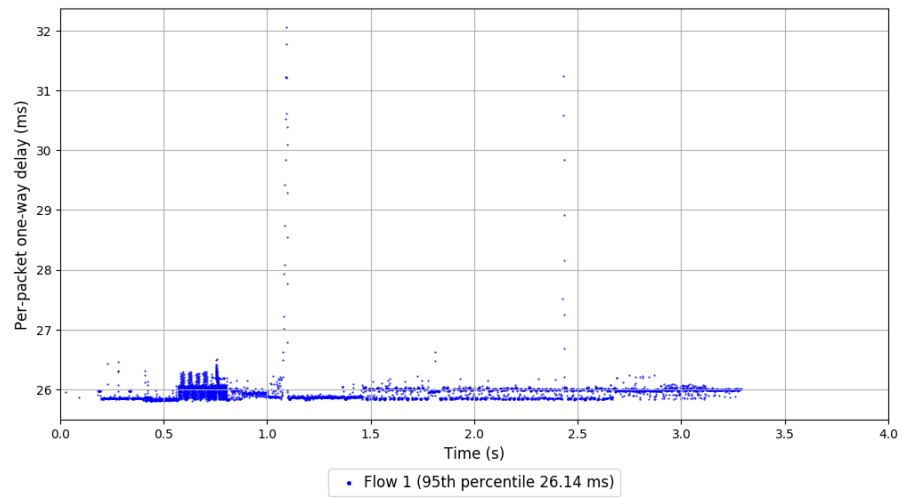
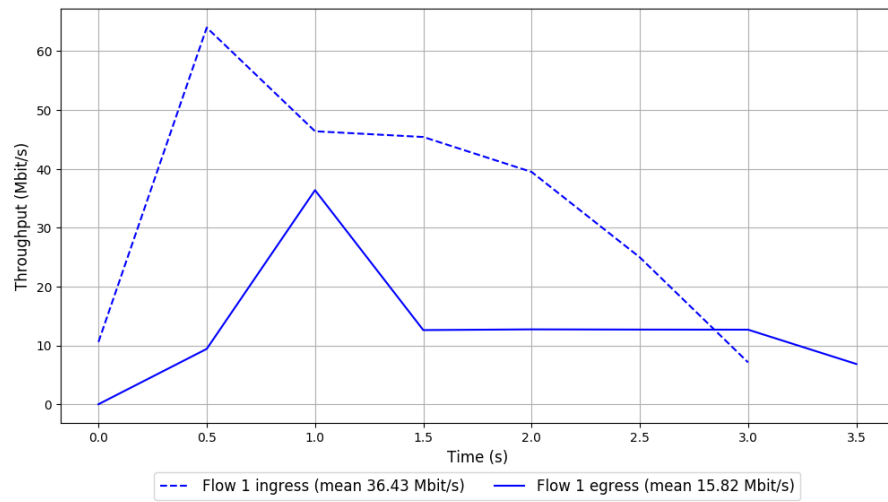
Start at: 2019-07-11 23:05:51

End at: 2019-07-11 23:06:21

Local clock offset: 5.827 ms

Remote clock offset: -2.706 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

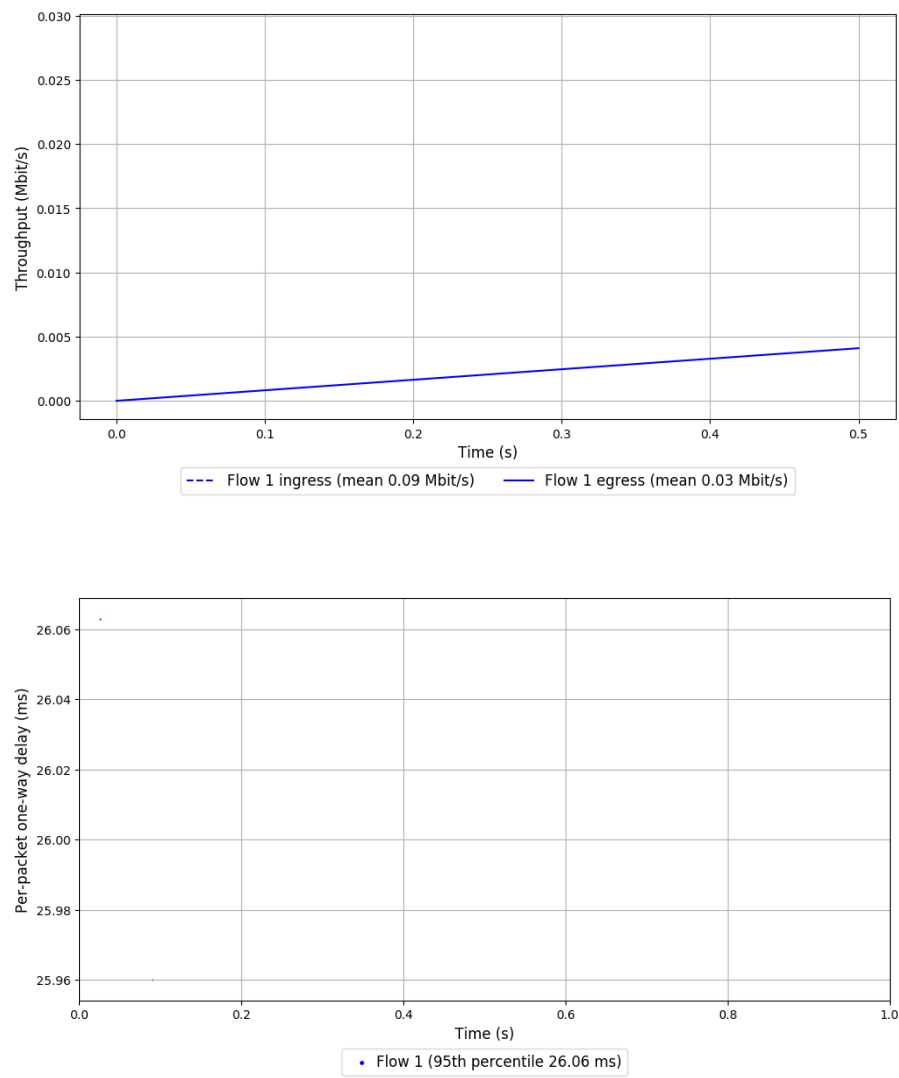
Start at: 2019-07-11 23:38:00

End at: 2019-07-11 23:38:30

Local clock offset: 5.744 ms

Remote clock offset: -2.433 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

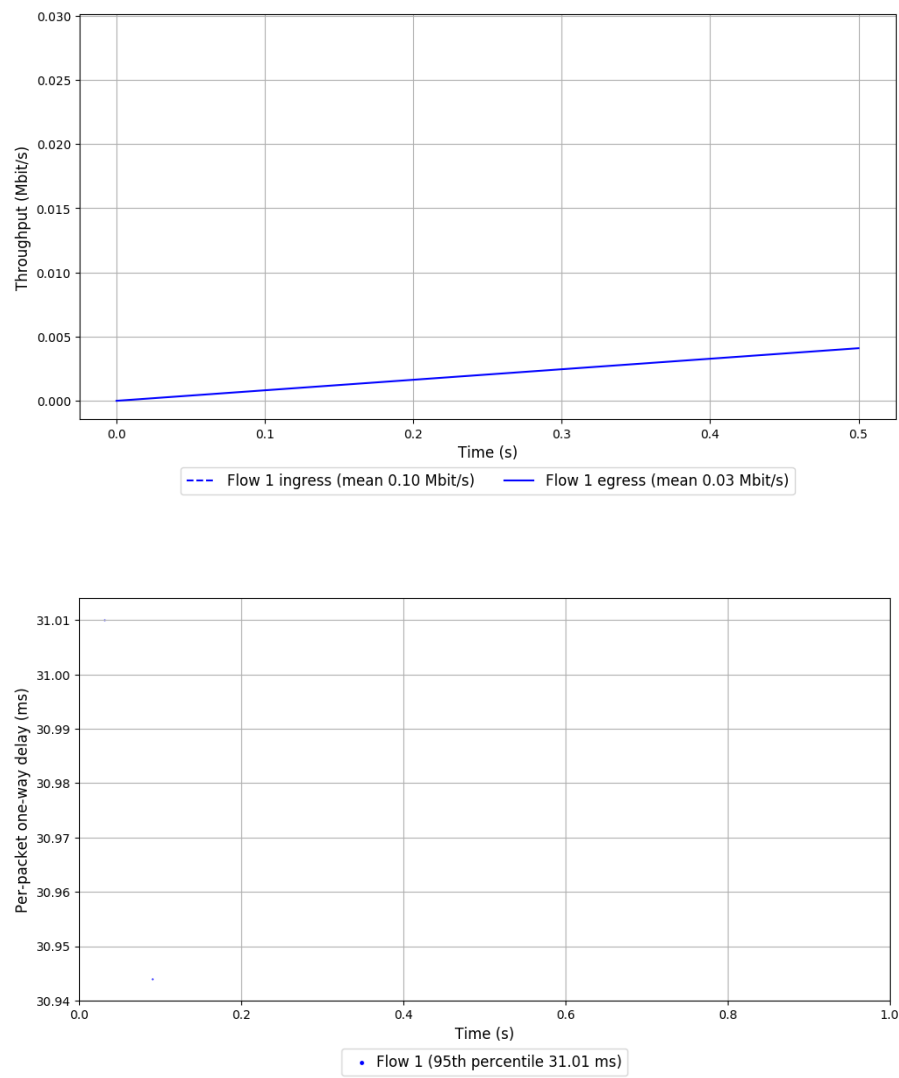
Start at: 2019-07-12 00:12:47

End at: 2019-07-12 00:13:17

Local clock offset: 2.912 ms

Remote clock offset: -2.676 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

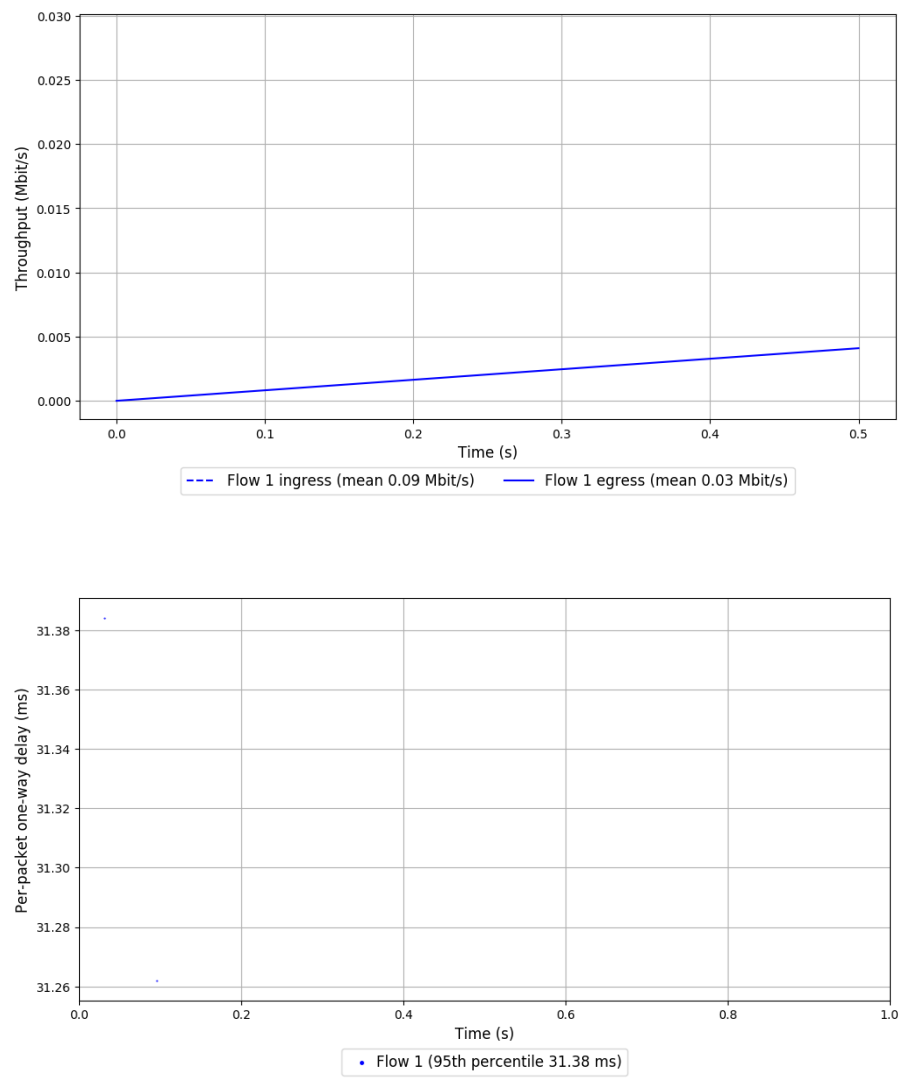
Start at: 2019-07-12 00:43:08

End at: 2019-07-12 00:43:38

Local clock offset: 2.289 ms

Remote clock offset: -3.06 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

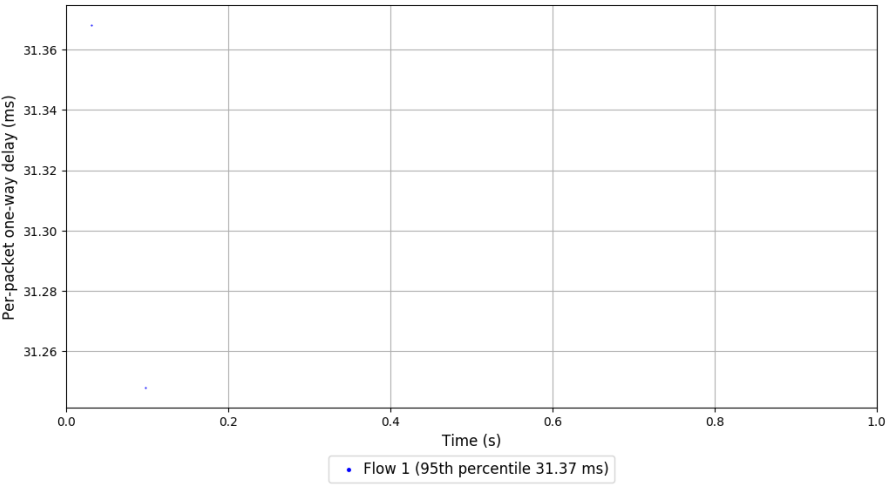
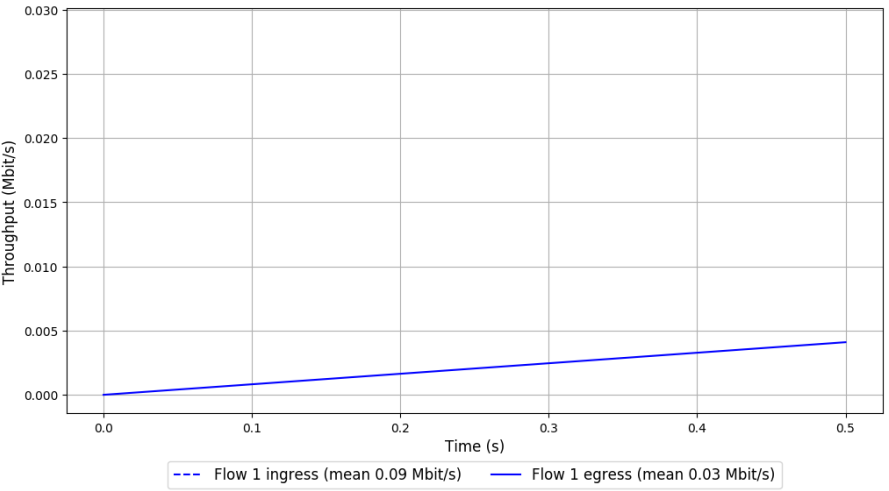
Start at: 2019-07-12 01:18:43

End at: 2019-07-12 01:19:13

Local clock offset: -0.77 ms

Remote clock offset: -4.186 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-07-11 22:45:21

End at: 2019-07-11 22:45:51

Local clock offset: 5.837 ms

Remote clock offset: -2.759 ms

Below is generated by plot.py at 2019-07-12 01:36:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.11 Mbit/s

95th percentile per-packet one-way delay: 62.669 ms

Loss rate: 1.78%

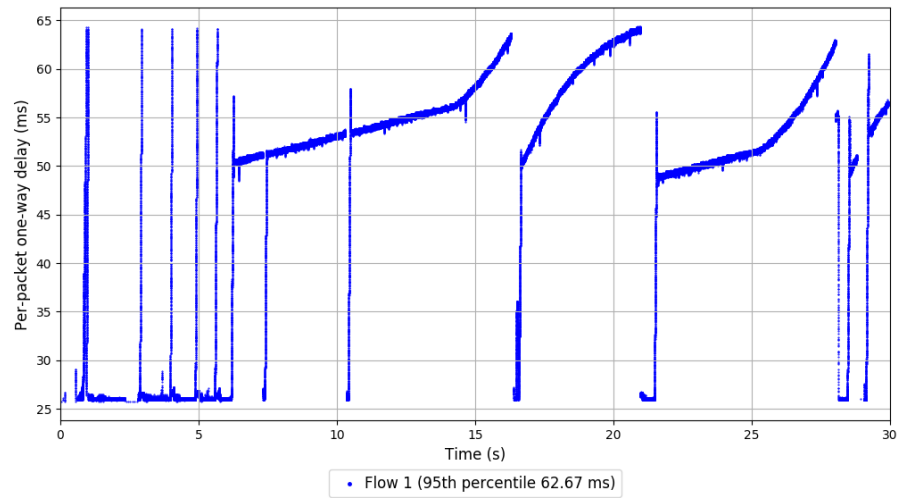
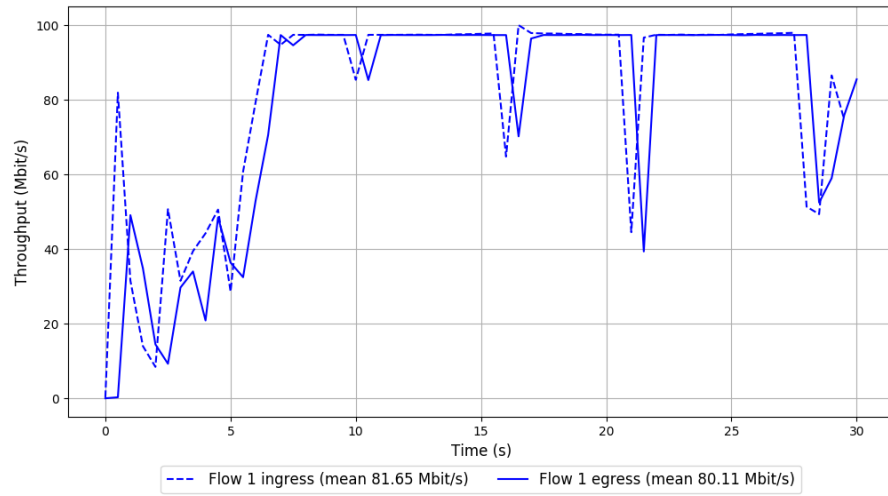
-- Flow 1:

Average throughput: 80.11 Mbit/s

95th percentile per-packet one-way delay: 62.669 ms

Loss rate: 1.78%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-11 23:16:06

End at: 2019-07-11 23:16:36

Local clock offset: 5.714 ms

Remote clock offset: -2.64 ms

Below is generated by plot.py at 2019-07-12 01:36:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 56.733 ms

Loss rate: 1.67%

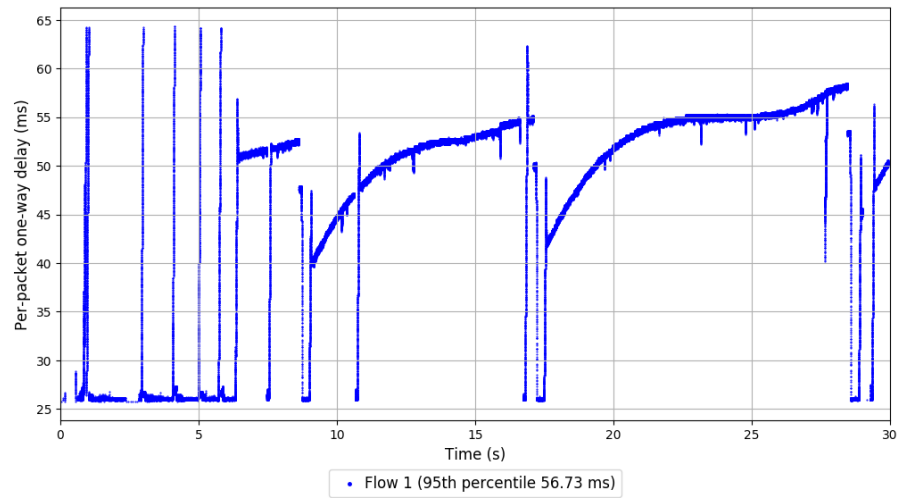
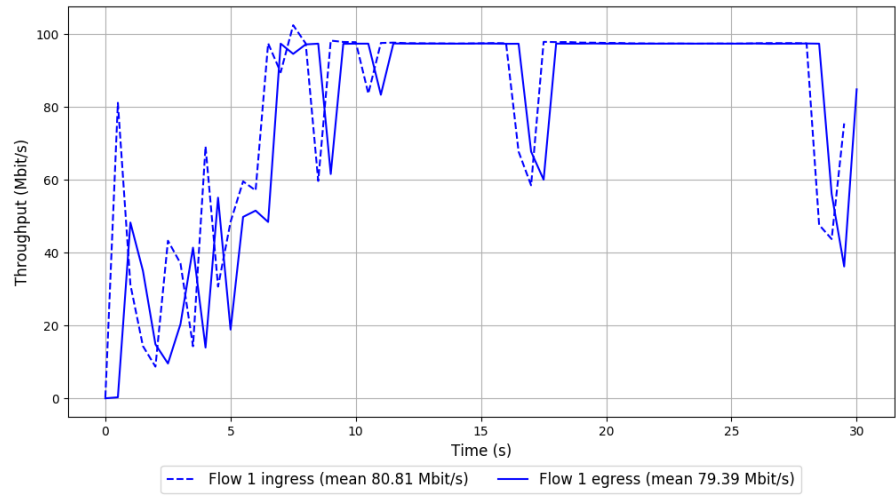
-- Flow 1:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 56.733 ms

Loss rate: 1.67%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-11 23:48:02

End at: 2019-07-11 23:48:32

Local clock offset: 5.781 ms

Remote clock offset: -2.389 ms

Below is generated by plot.py at 2019-07-12 01:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 57.142 ms

Loss rate: 1.56%

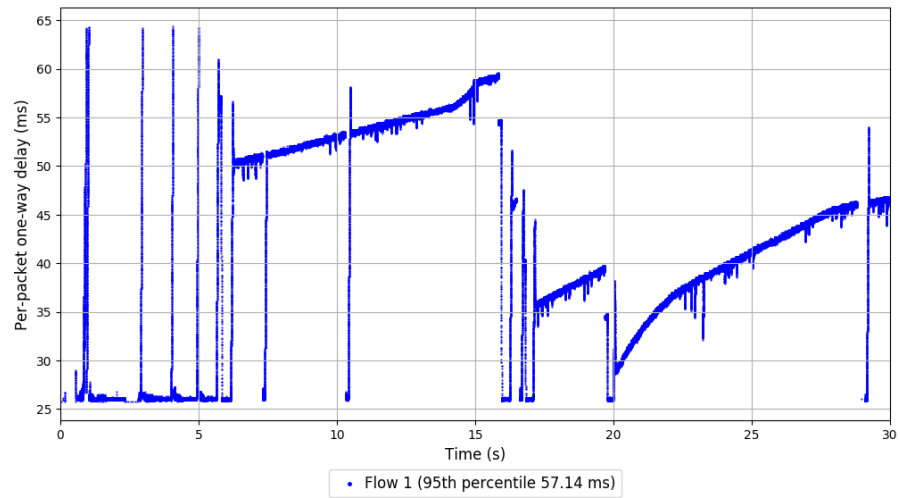
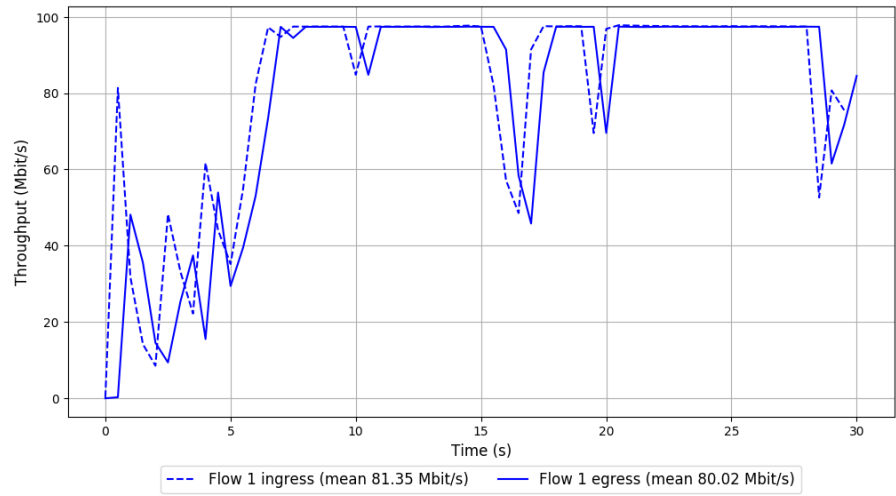
-- Flow 1:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 57.142 ms

Loss rate: 1.56%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-12 00:22:45

End at: 2019-07-12 00:23:15

Local clock offset: 1.967 ms

Remote clock offset: -2.881 ms

Below is generated by plot.py at 2019-07-12 01:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 68.446 ms

Loss rate: 1.16%

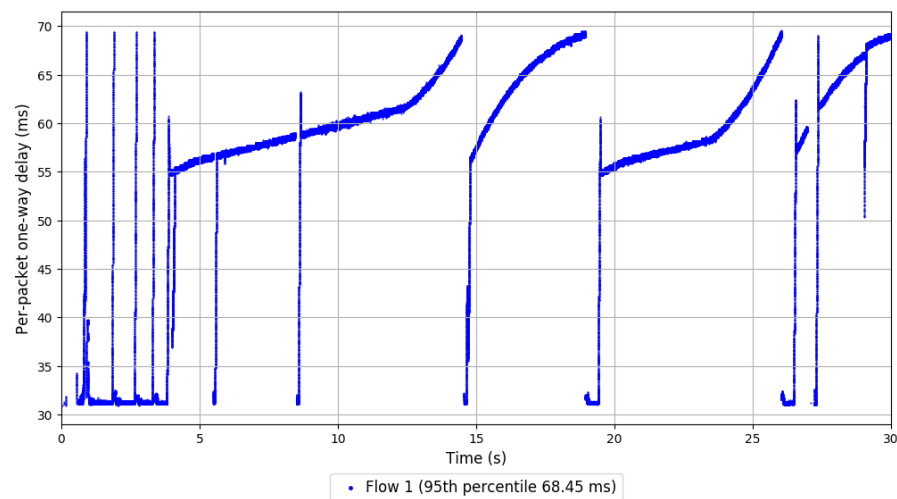
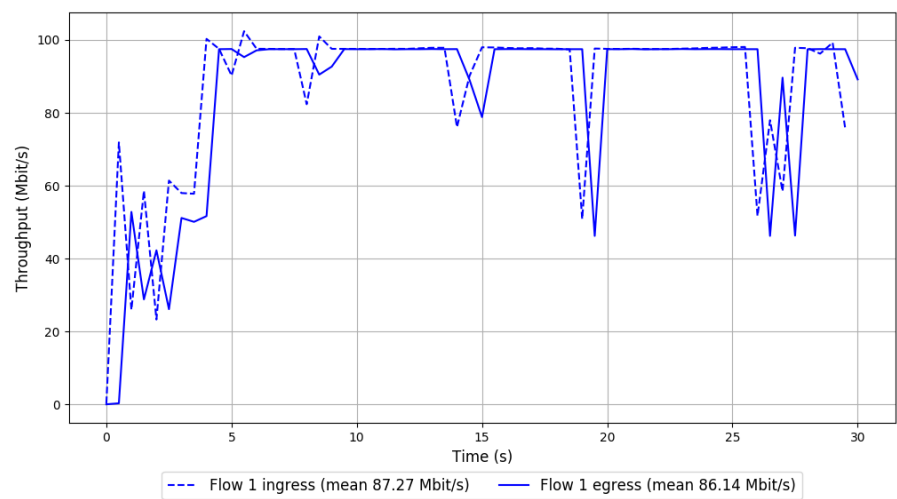
-- Flow 1:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 68.446 ms

Loss rate: 1.16%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-12 00:53:20

End at: 2019-07-12 00:53:50

Local clock offset: 2.175 ms

Remote clock offset: -3.219 ms

Below is generated by plot.py at 2019-07-12 01:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 65.171 ms

Loss rate: 0.75%

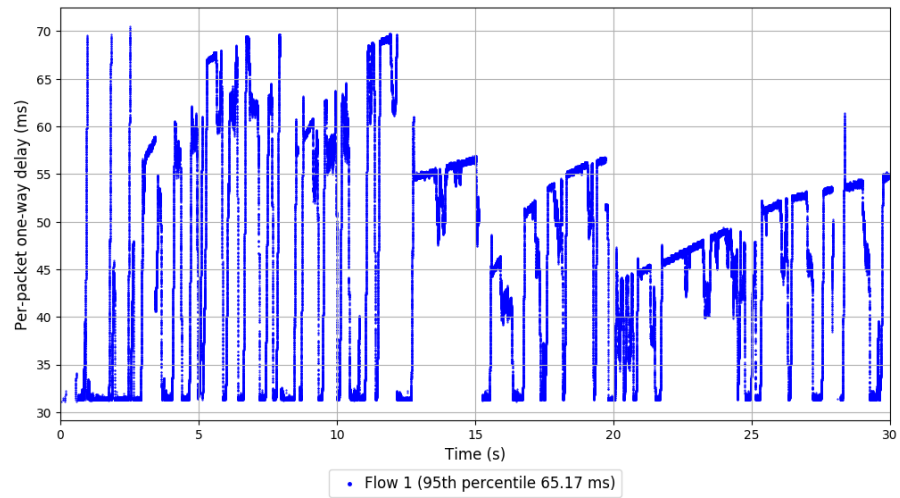
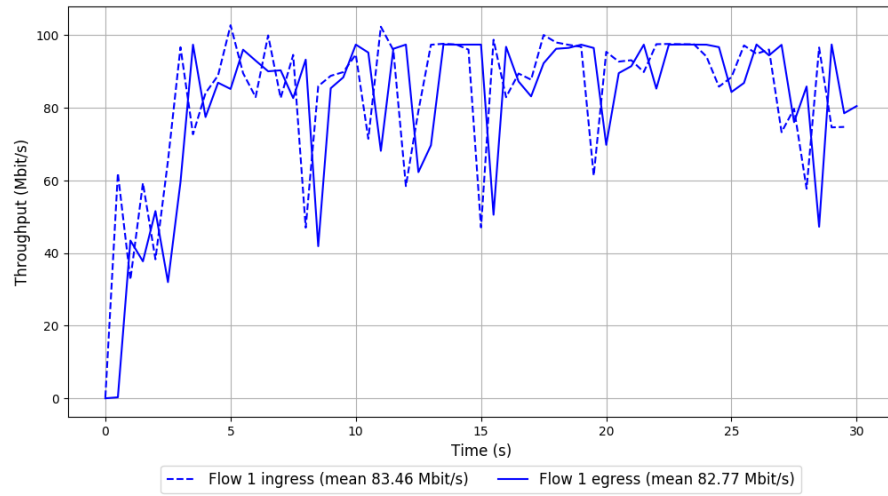
-- Flow 1:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 65.171 ms

Loss rate: 0.75%

Run 5: Report of QUIC Cubic — Data Link

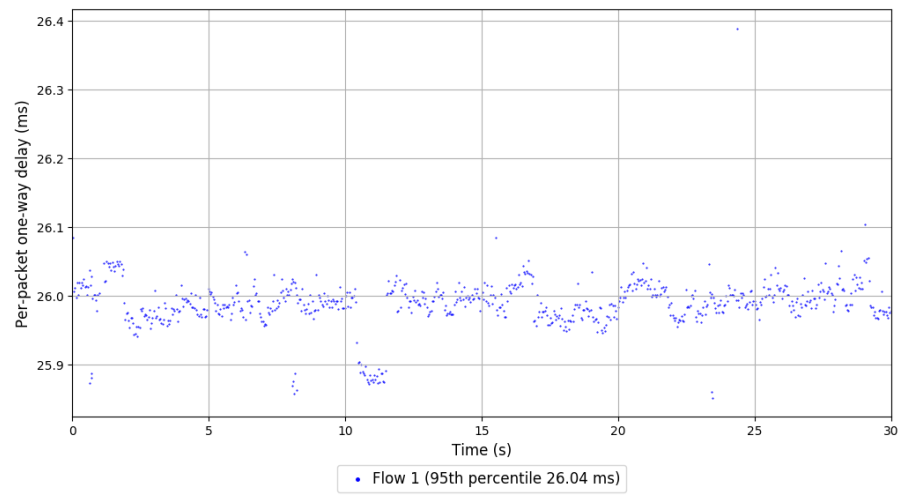
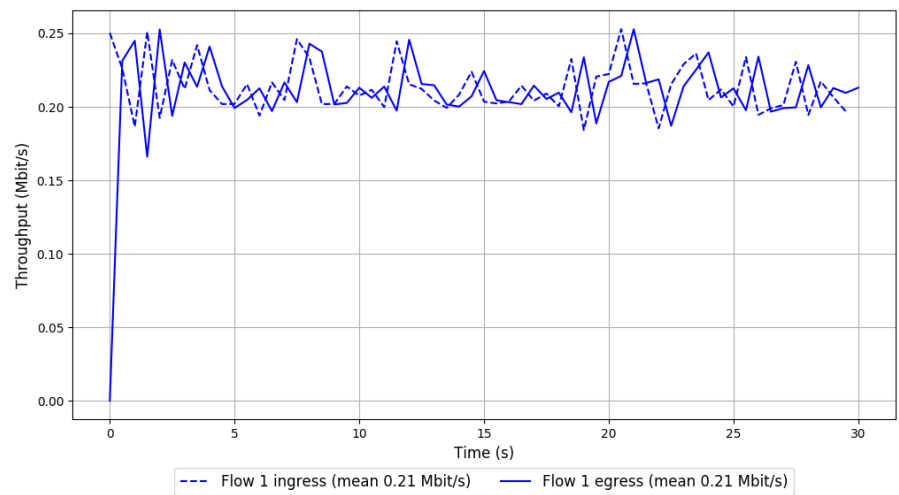


Run 1: Statistics of SCReAM

Start at: 2019-07-11 22:42:55
End at: 2019-07-11 22:43:25
Local clock offset: 5.737 ms
Remote clock offset: -2.808 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.035 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

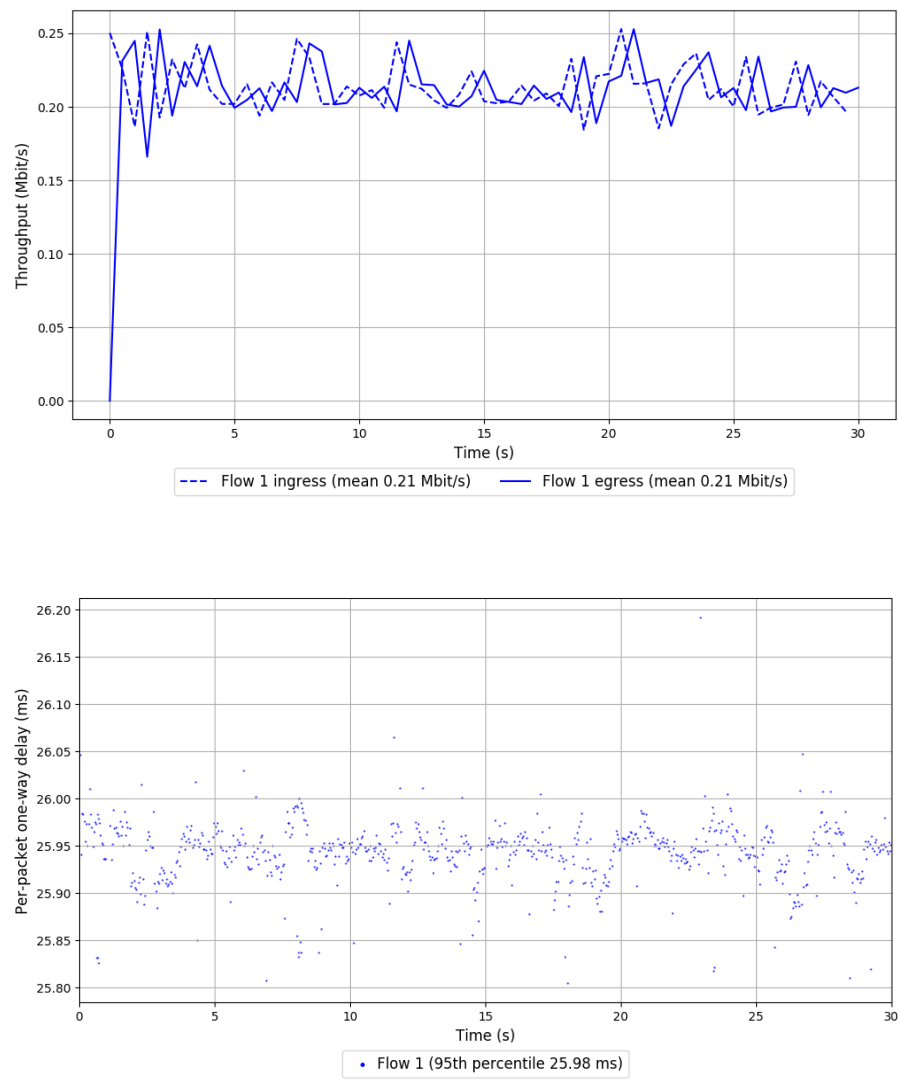


Run 2: Statistics of SCReAM

Start at: 2019-07-11 23:13:37
End at: 2019-07-11 23:14:07
Local clock offset: 5.714 ms
Remote clock offset: -2.721 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 25.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 25.985 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

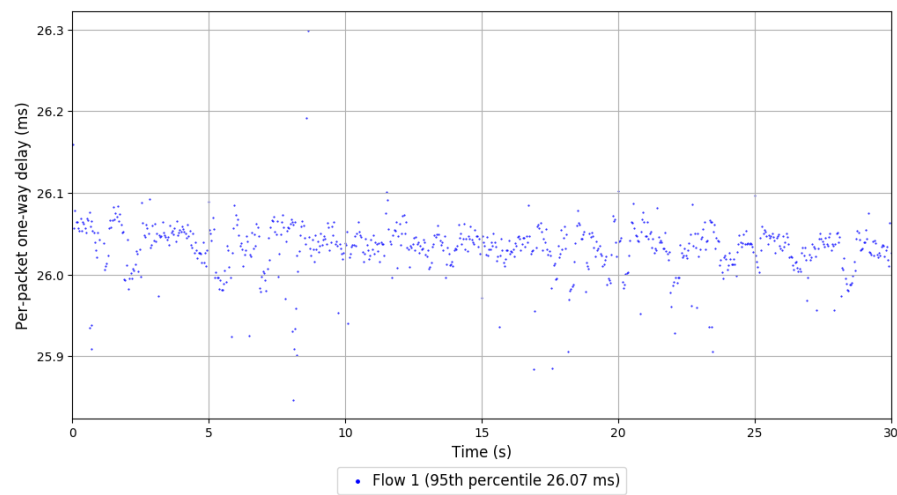
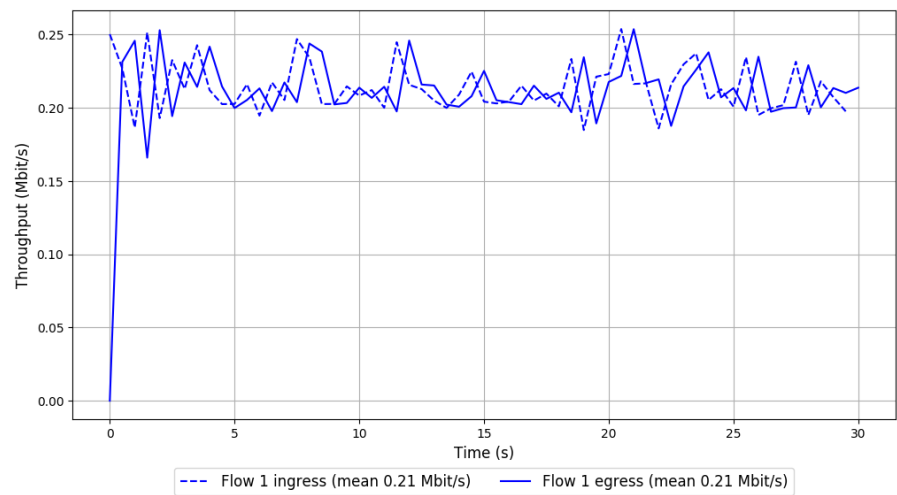


Run 3: Statistics of SCReAM

Start at: 2019-07-11 23:45:36
End at: 2019-07-11 23:46:06
Local clock offset: 5.78 ms
Remote clock offset: -2.381 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 26.068 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

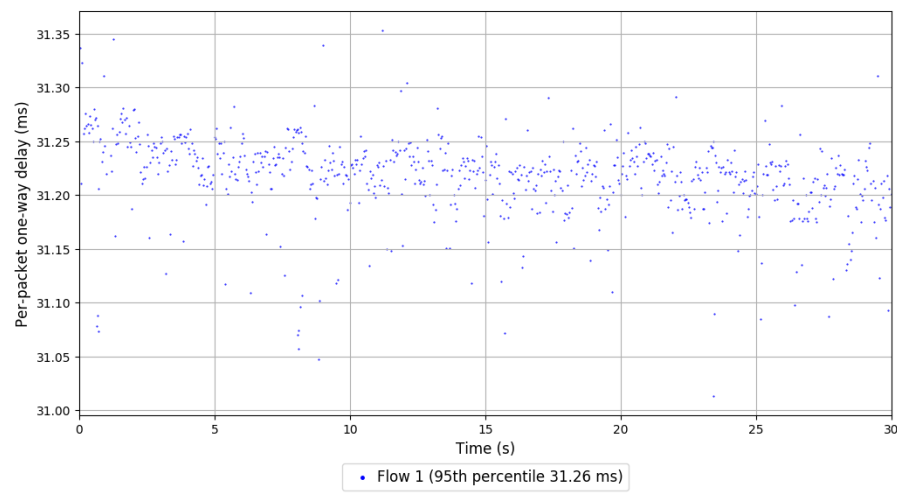
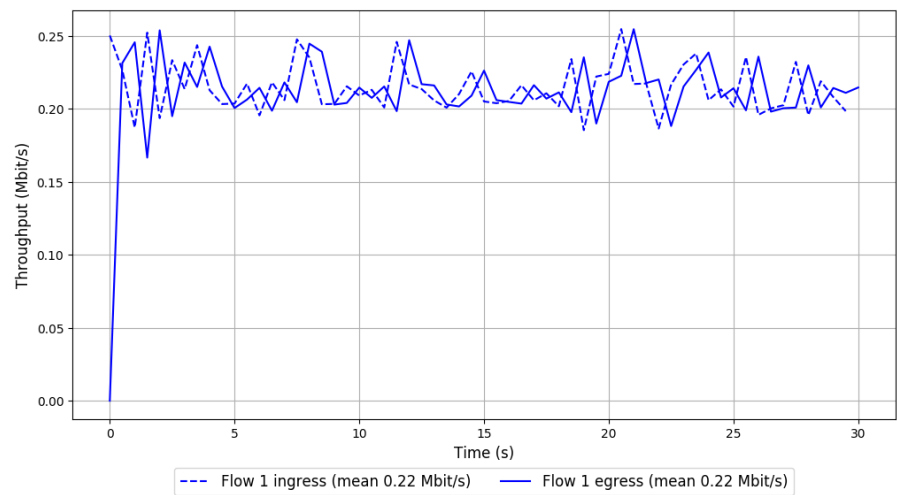


Run 4: Statistics of SCReAM

Start at: 2019-07-12 00:20:18
End at: 2019-07-12 00:20:48
Local clock offset: 2.178 ms
Remote clock offset: -2.875 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.263 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

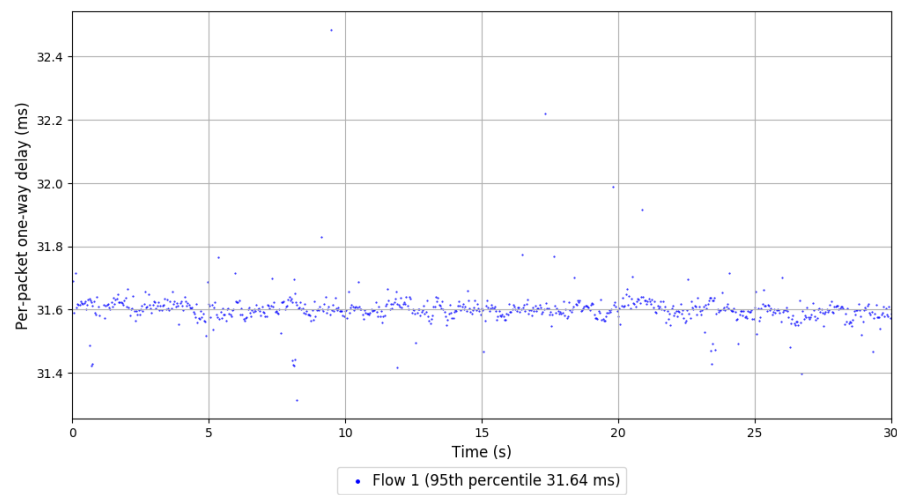
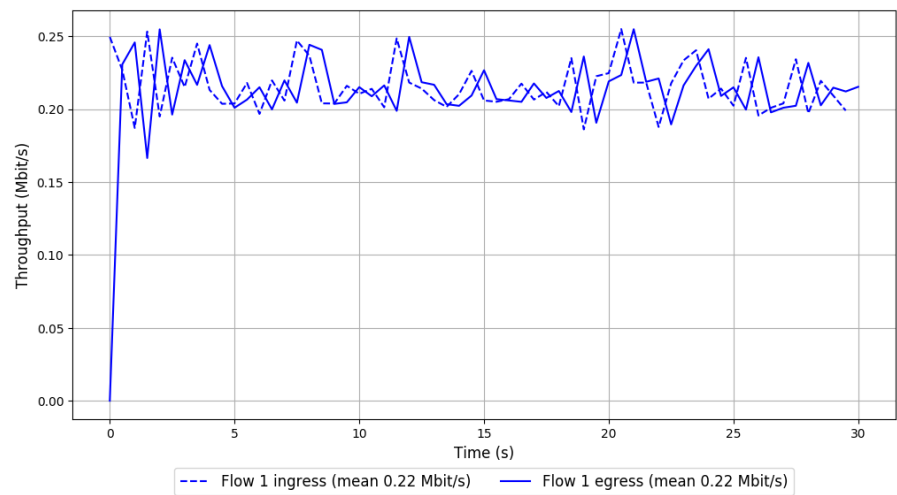


Run 5: Statistics of SCReAM

Start at: 2019-07-12 00:50:35
End at: 2019-07-12 00:51:06
Local clock offset: 2.257 ms
Remote clock offset: -3.058 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.641 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

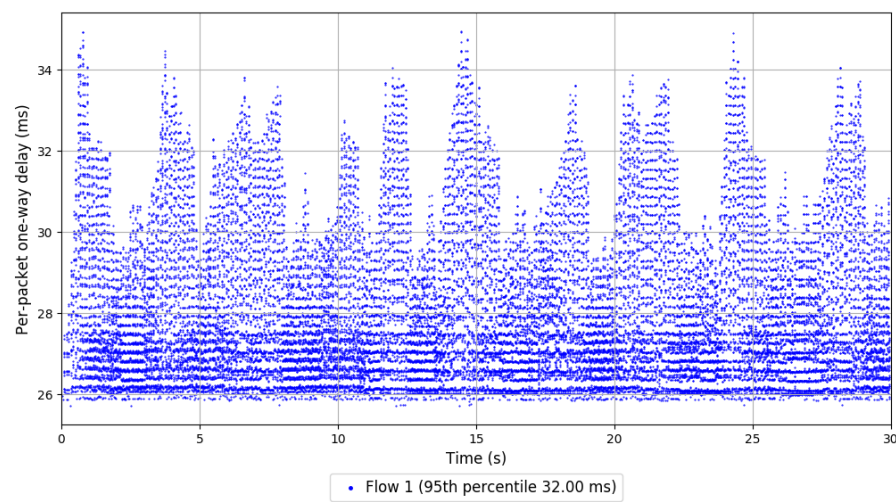
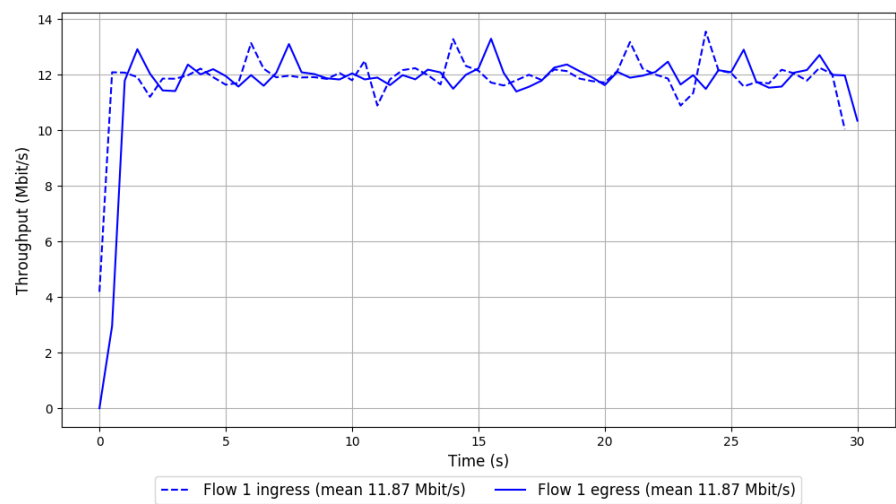


Run 1: Statistics of Sprout

Start at: 2019-07-11 23:08:19
End at: 2019-07-11 23:08:49
Local clock offset: 5.787 ms
Remote clock offset: -2.689 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 31.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 31.995 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

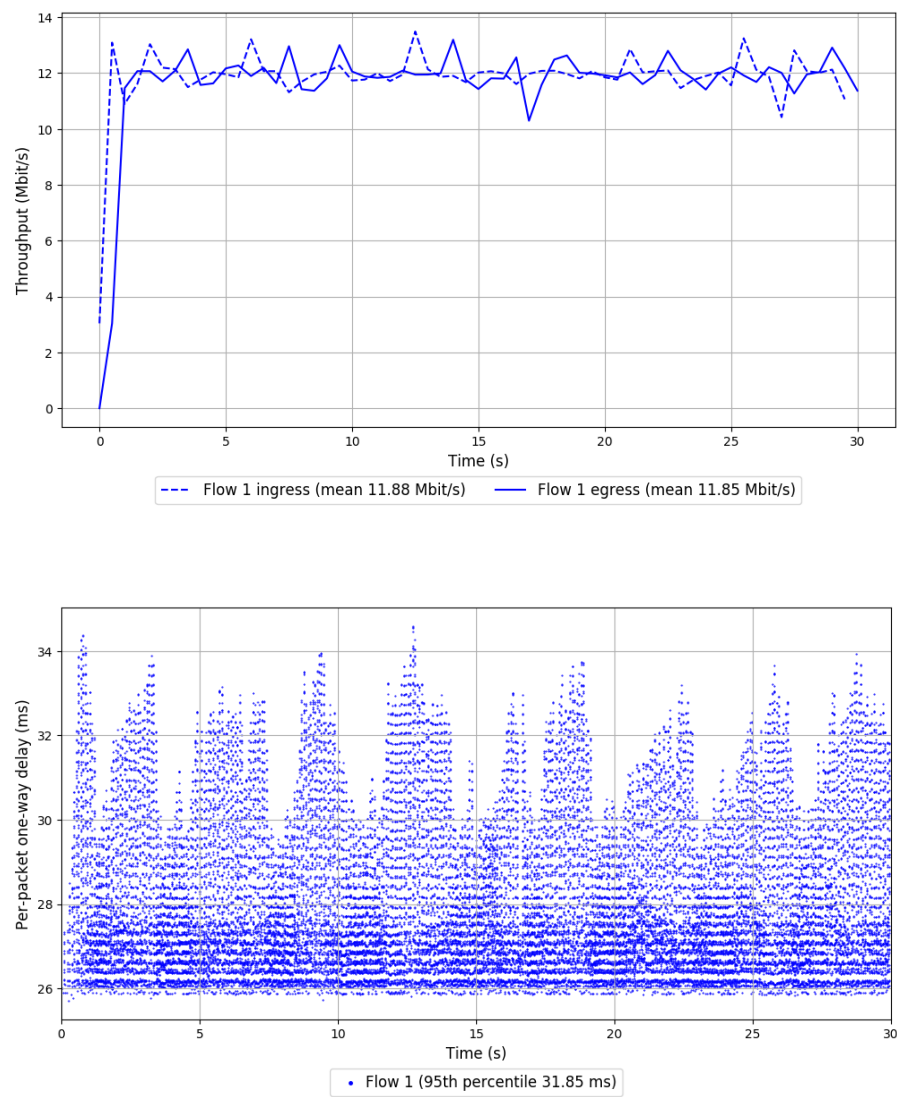


Run 2: Statistics of Sprout

Start at: 2019-07-11 23:40:28
End at: 2019-07-11 23:40:58
Local clock offset: 5.735 ms
Remote clock offset: -2.466 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 0.17%

Run 2: Report of Sprout — Data Link

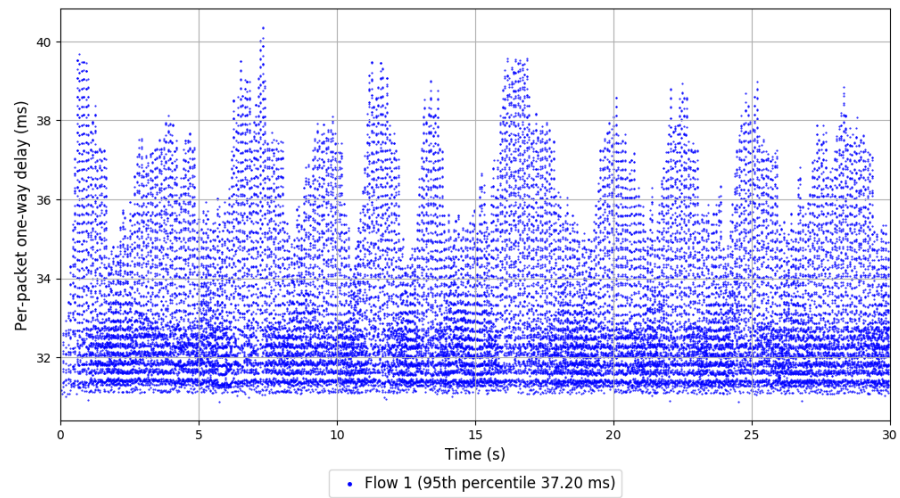
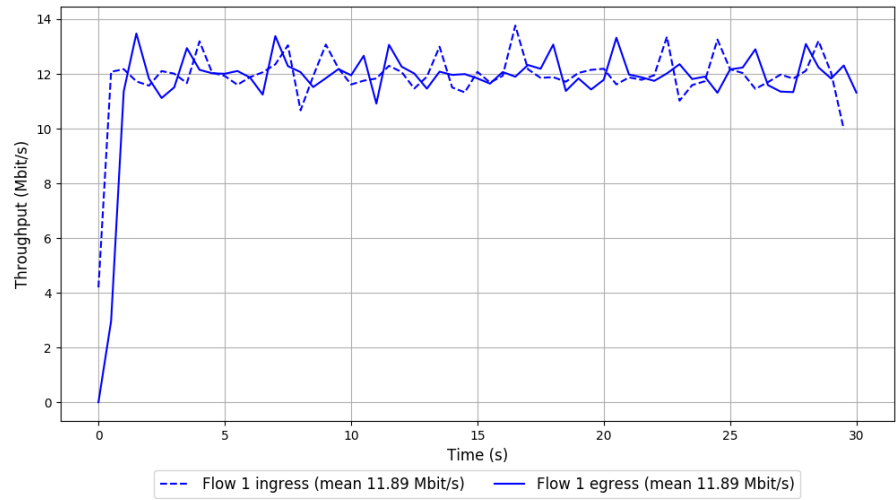


Run 3: Statistics of Sprout

Start at: 2019-07-12 00:15:13
End at: 2019-07-12 00:15:43
Local clock offset: 2.639 ms
Remote clock offset: -2.678 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 37.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 37.197 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-07-12 00:45:28

End at: 2019-07-12 00:45:58

Local clock offset: 2.316 ms

Remote clock offset: -3.1 ms

Below is generated by plot.py at 2019-07-12 01:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 37.543 ms

Loss rate: 0.00%

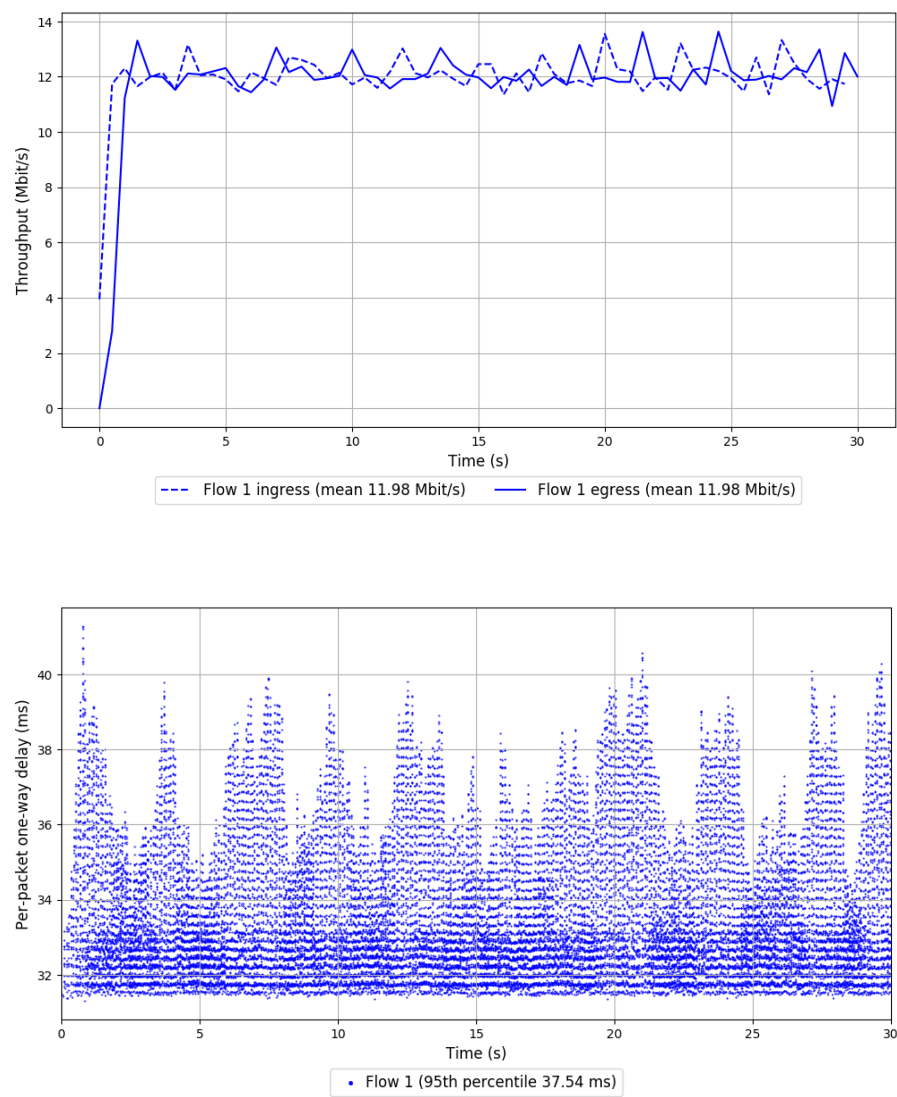
-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 37.543 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

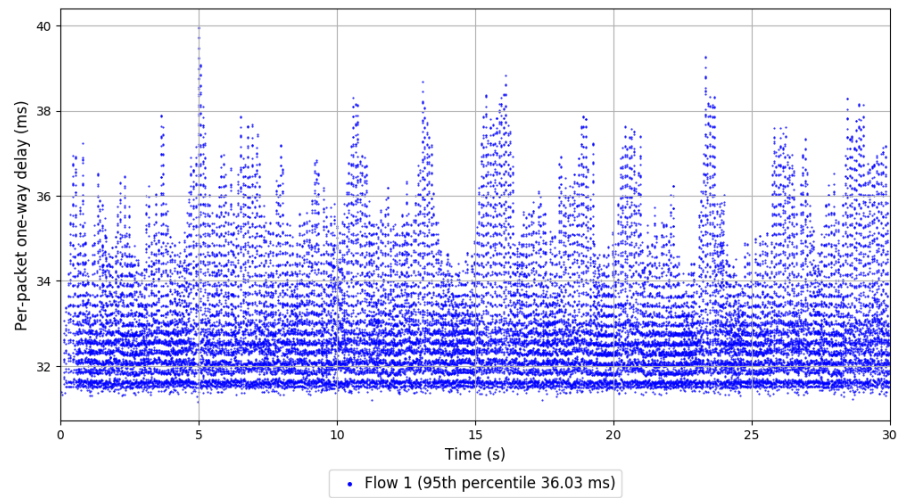
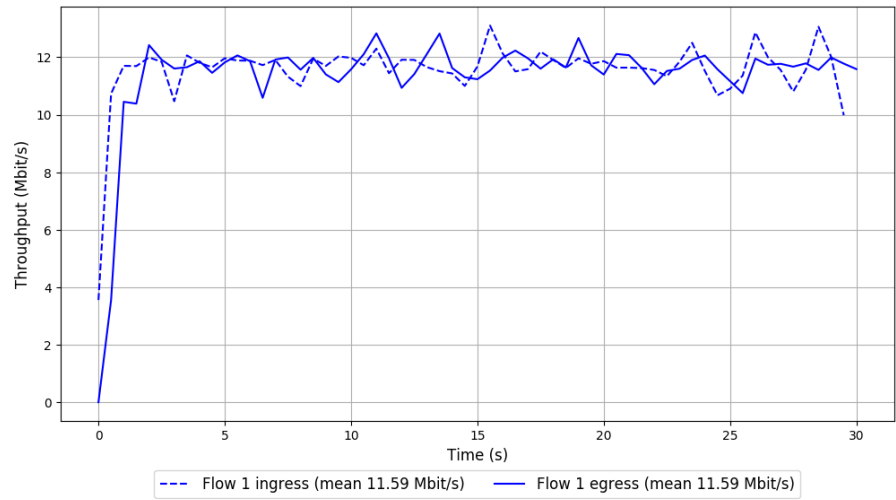


Run 5: Statistics of Sprout

Start at: 2019-07-12 01:21:56
End at: 2019-07-12 01:22:26
Local clock offset: -1.038 ms
Remote clock offset: -4.227 ms

Below is generated by plot.py at 2019-07-12 01:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 36.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 36.034 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

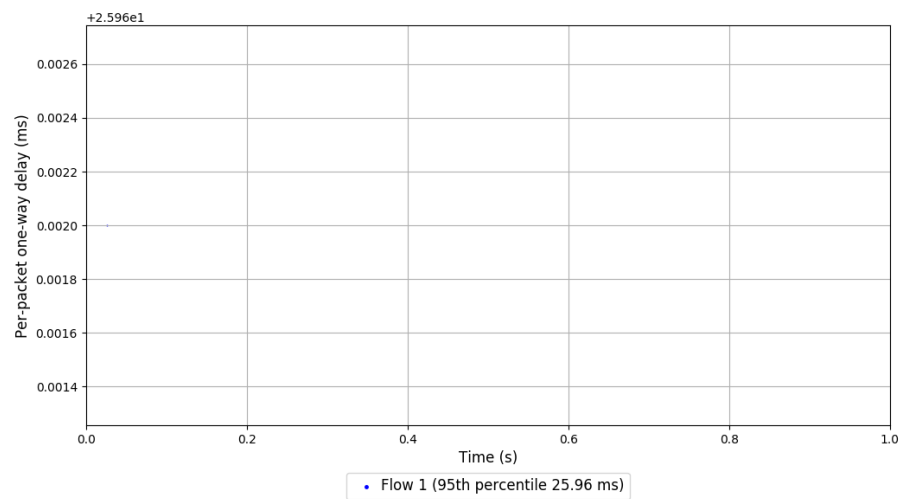
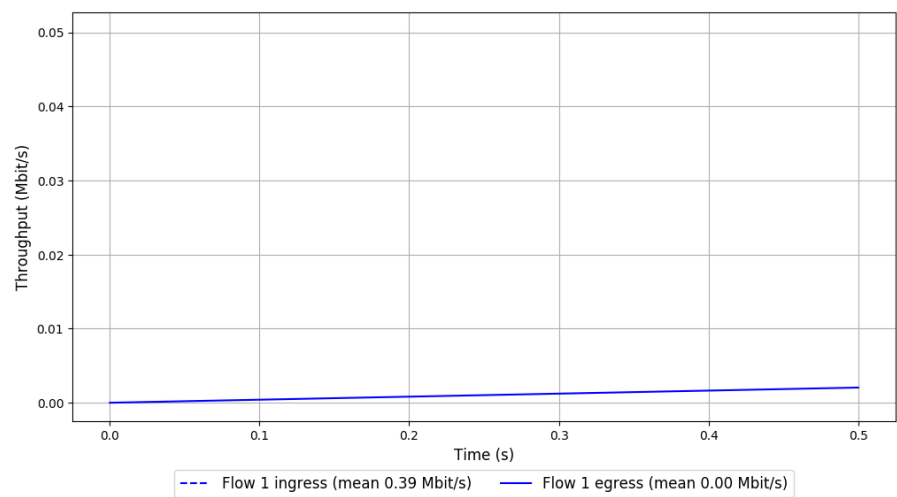
Start at: 2019-07-11 22:55:54

End at: 2019-07-11 22:56:24

Local clock offset: 6.076 ms

Remote clock offset: -2.731 ms

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



Run 2: Statistics of TaoVA-100x

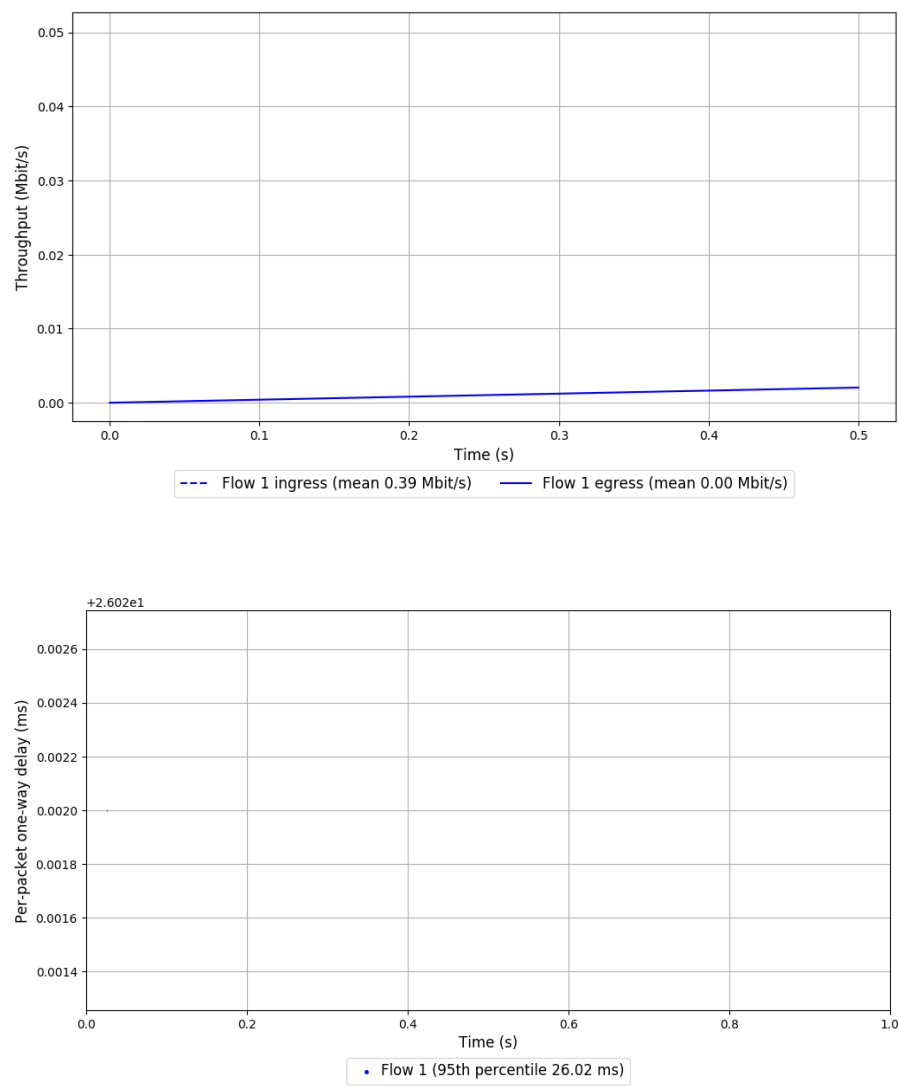
Start at: 2019-07-11 23:27:34

End at: 2019-07-11 23:28:04

Local clock offset: 5.703 ms

Remote clock offset: -2.517 ms

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



Run 3: Statistics of TaoVA-100x

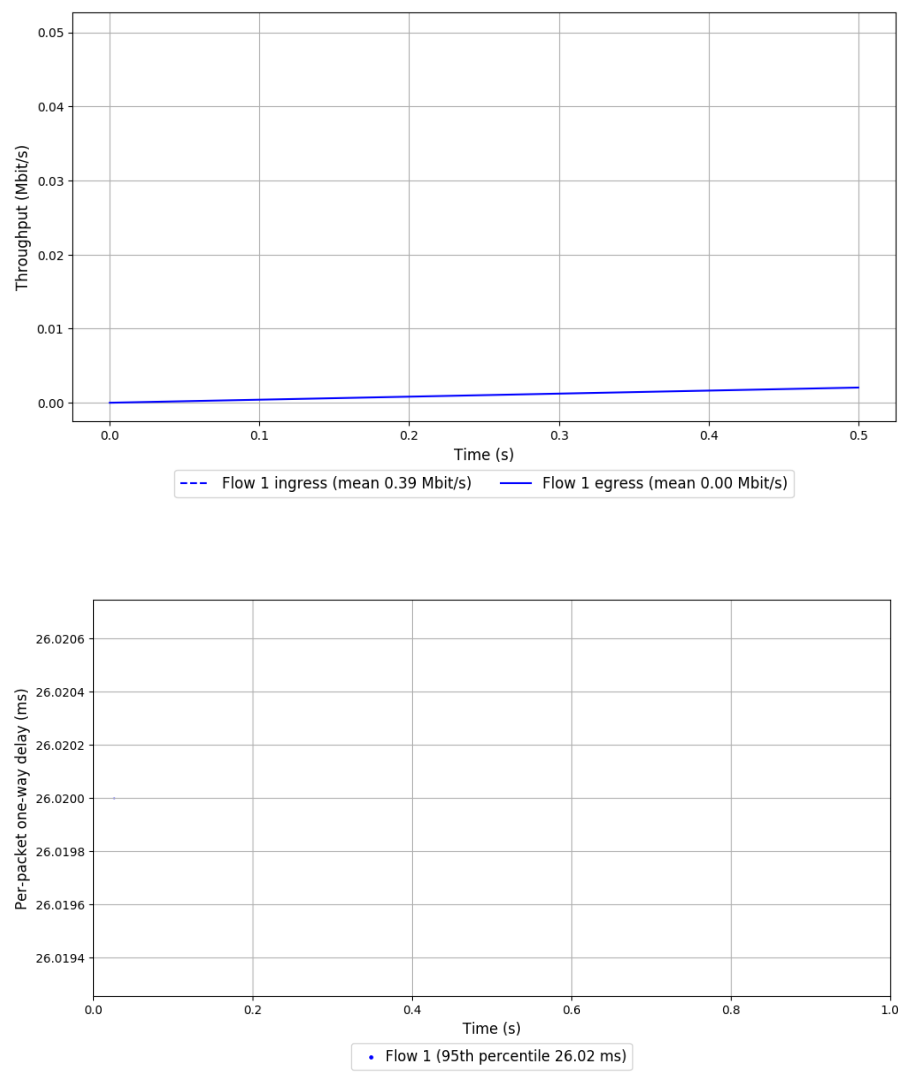
Start at: 2019-07-11 23:58:26

End at: 2019-07-11 23:58:56

Local clock offset: 5.892 ms

Remote clock offset: -2.208 ms

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



Run 4: Statistics of TaoVA-100x

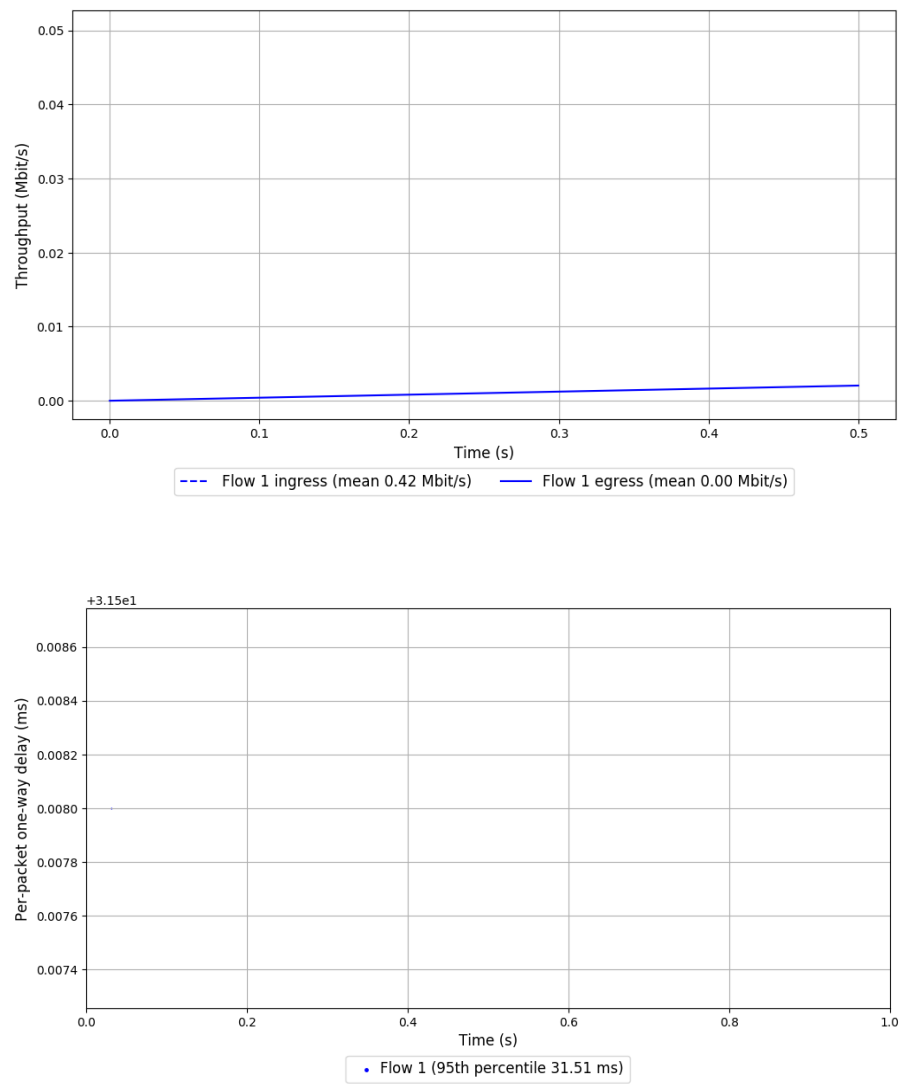
Start at: 2019-07-12 00:32:48

End at: 2019-07-12 00:33:18

Local clock offset: 1.985 ms

Remote clock offset: -2.943 ms

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



Run 5: Statistics of TaoVA-100x

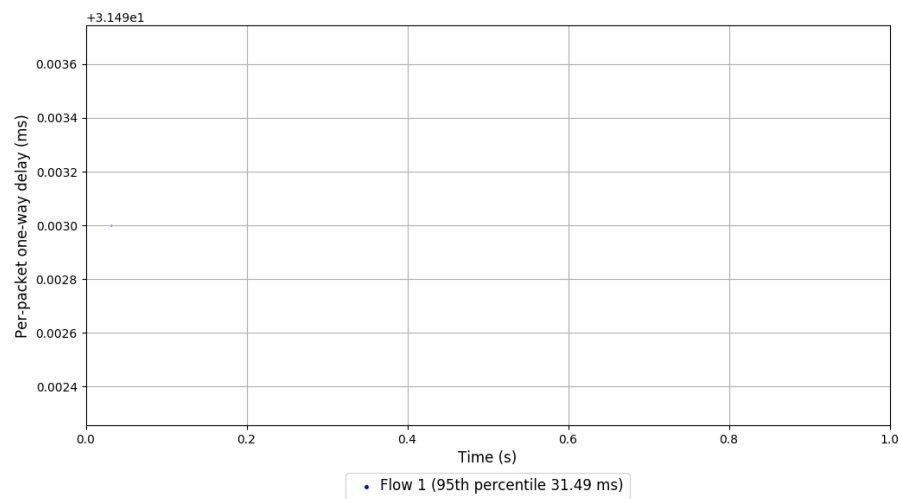
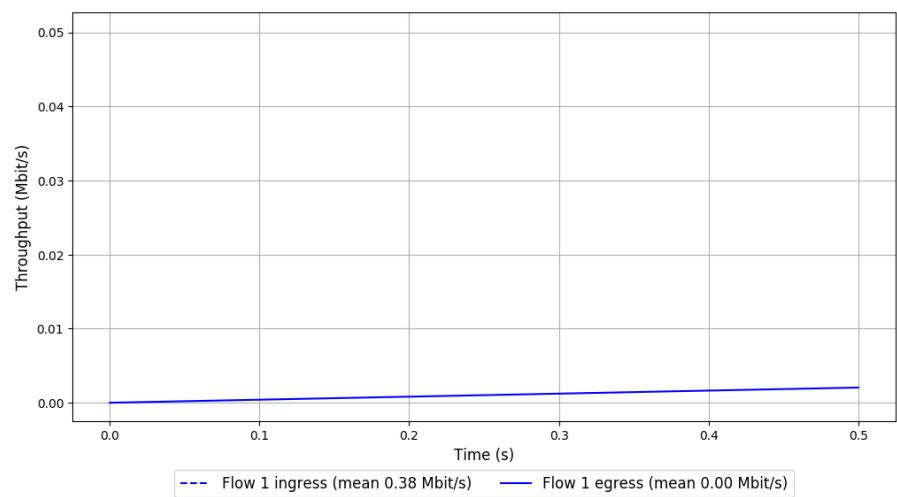
Start at: 2019-07-12 01:06:08

End at: 2019-07-12 01:06:38

Local clock offset: 0.598 ms

Remote clock offset: -3.653 ms

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

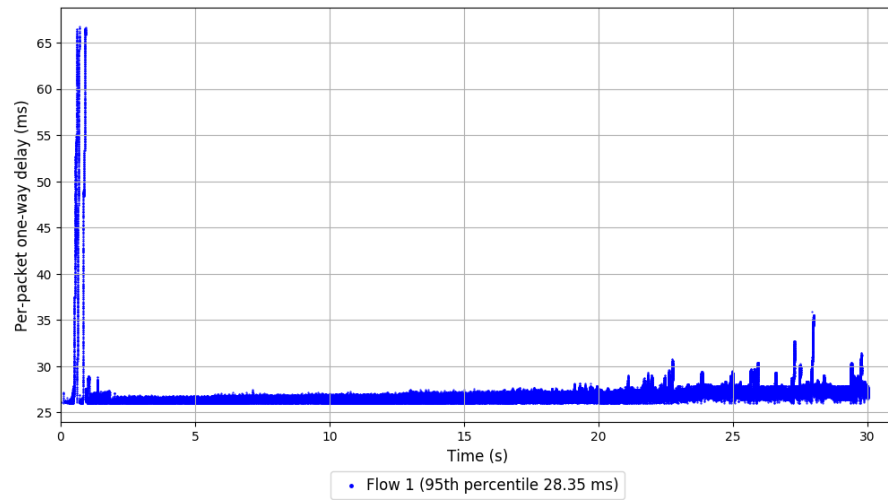
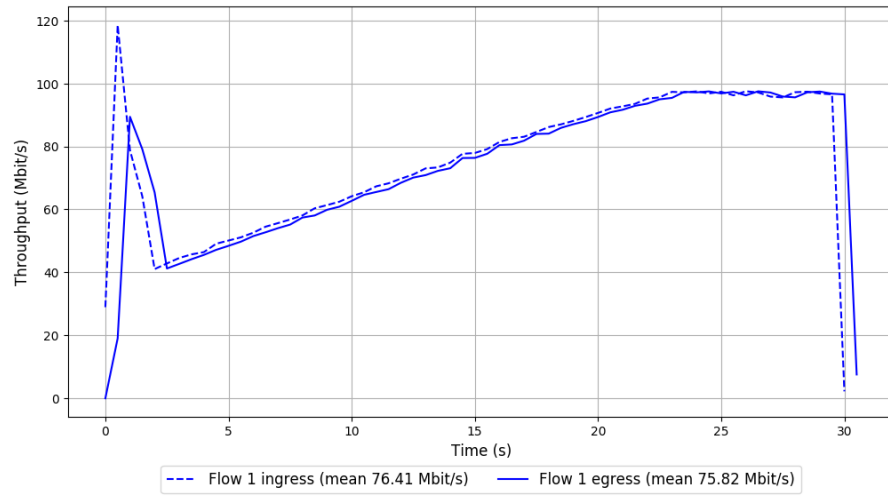


Run 1: Statistics of TCP Vegas

Start at: 2019-07-11 22:44:02
End at: 2019-07-11 22:44:32
Local clock offset: 5.752 ms
Remote clock offset: -2.732 ms

Below is generated by plot.py at 2019-07-12 01:37:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 28.351 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 28.351 ms
Loss rate: 0.77%

Run 1: Report of TCP Vegas — Data Link

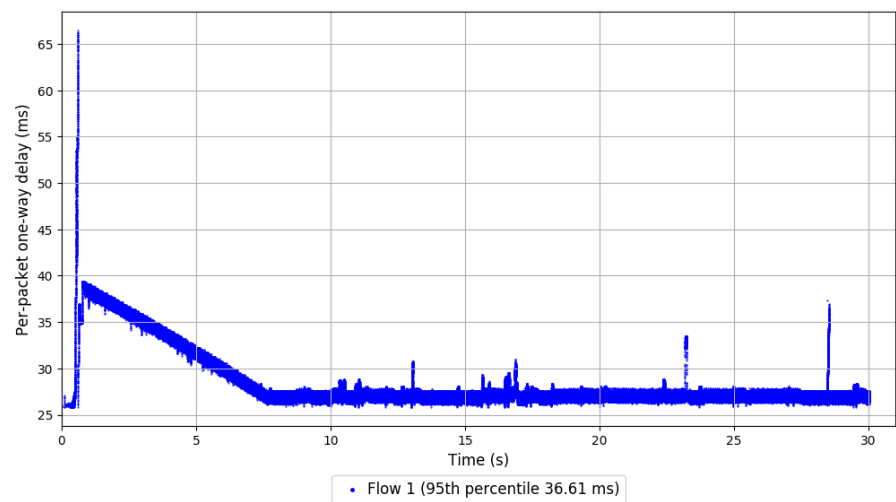
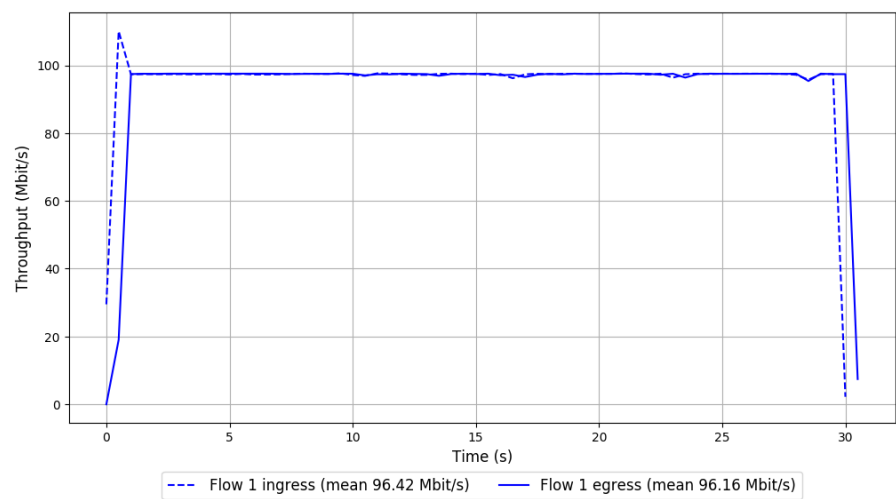


Run 2: Statistics of TCP Vegas

Start at: 2019-07-11 23:14:43
End at: 2019-07-11 23:15:13
Local clock offset: 5.719 ms
Remote clock offset: -2.727 ms

Below is generated by plot.py at 2019-07-12 01:37:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 36.613 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 36.613 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link

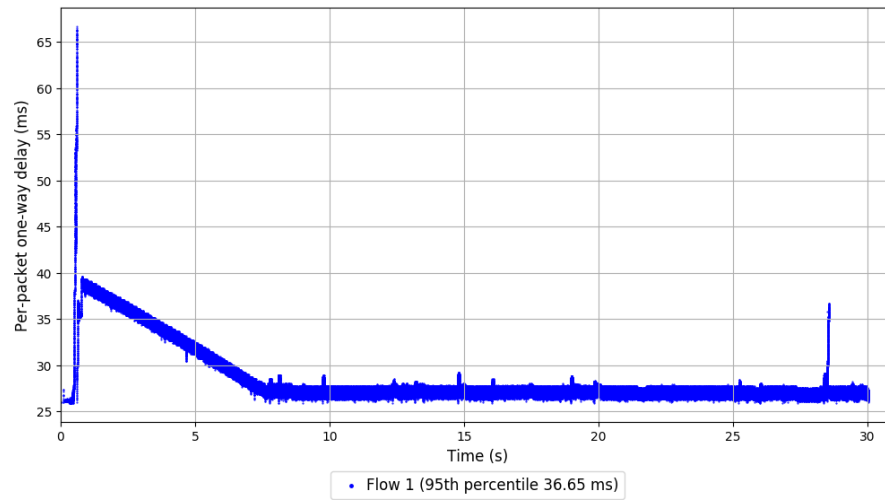
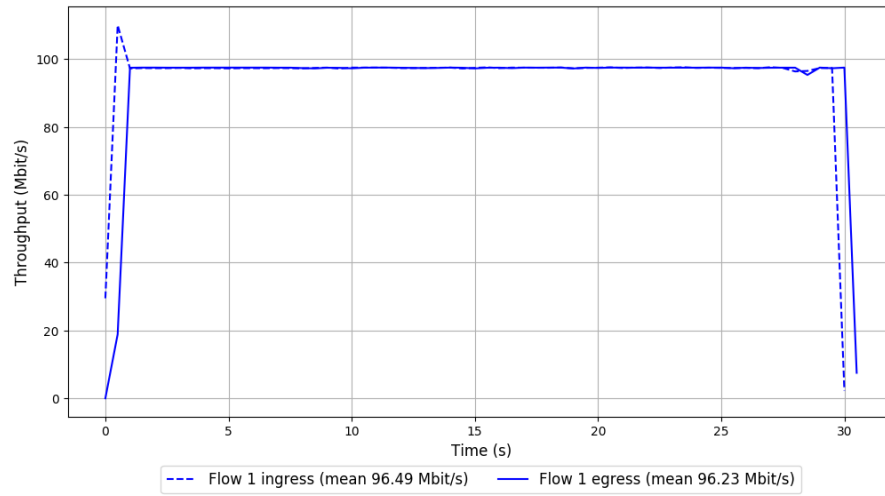


Run 3: Statistics of TCP Vegas

Start at: 2019-07-11 23:46:43
End at: 2019-07-11 23:47:13
Local clock offset: 5.774 ms
Remote clock offset: -2.378 ms

Below is generated by plot.py at 2019-07-12 01:37:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 36.647 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 36.647 ms
Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-07-12 00:21:29

End at: 2019-07-12 00:21:59

Local clock offset: 2.091 ms

Remote clock offset: -2.84 ms

Below is generated by plot.py at 2019-07-12 01:37:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 43.474 ms

Loss rate: 0.26%

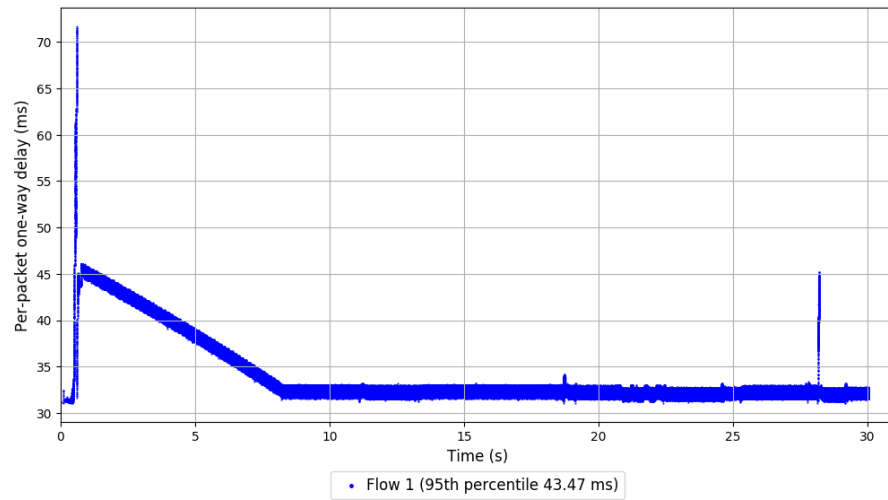
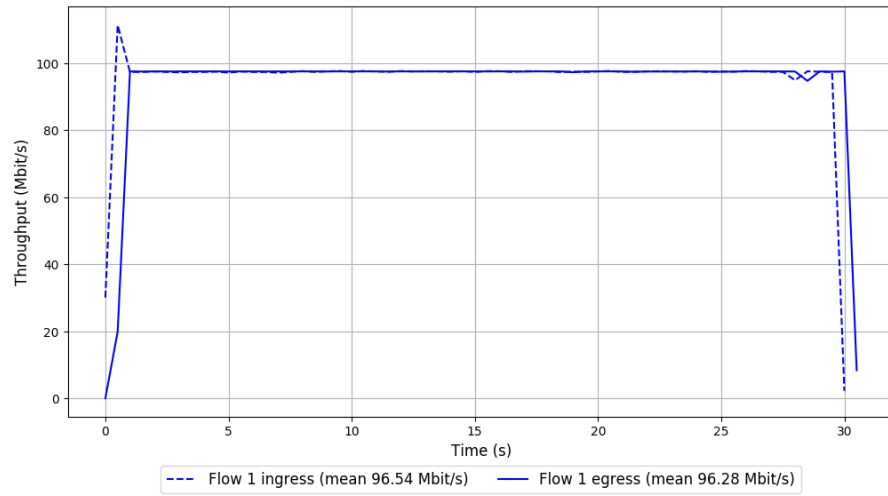
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 43.474 ms

Loss rate: 0.26%

Run 4: Report of TCP Vegas — Data Link

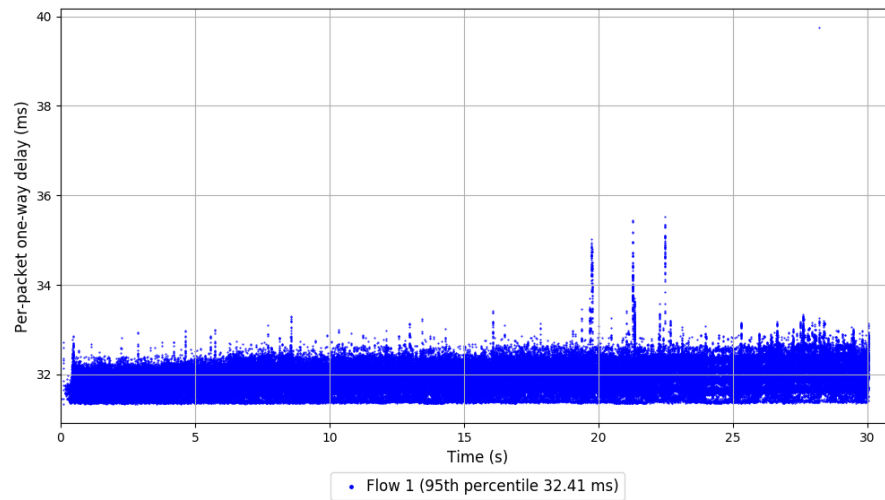
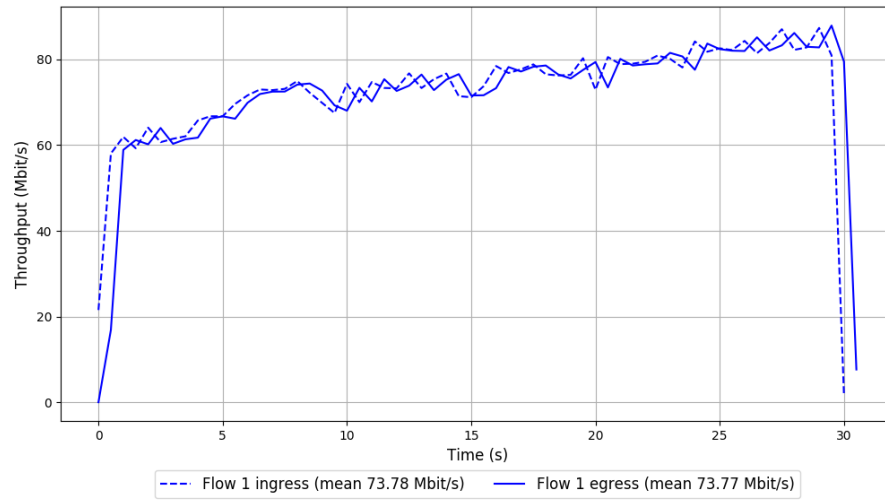


Run 5: Statistics of TCP Vegas

Start at: 2019-07-12 00:51:42
End at: 2019-07-12 00:52:12
Local clock offset: 2.23 ms
Remote clock offset: -3.124 ms

Below is generated by plot.py at 2019-07-12 01:37:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.77 Mbit/s
95th percentile per-packet one-way delay: 32.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.77 Mbit/s
95th percentile per-packet one-way delay: 32.409 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

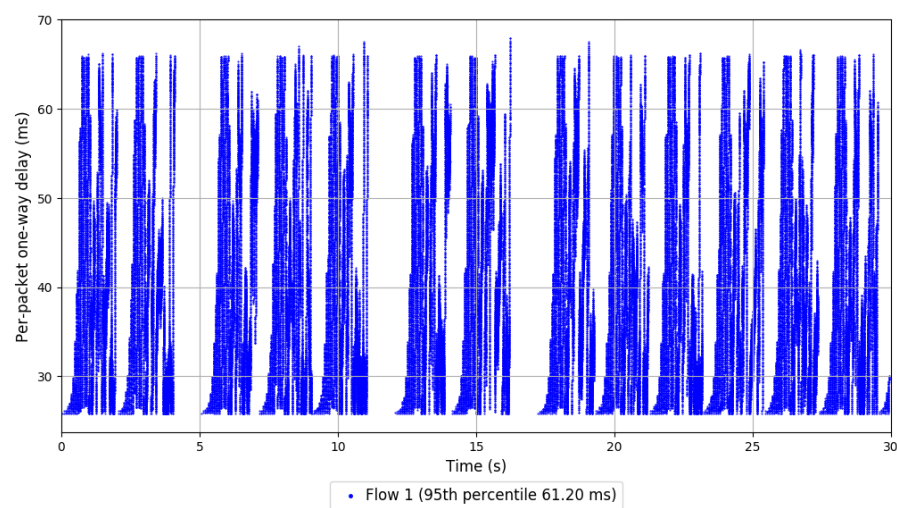
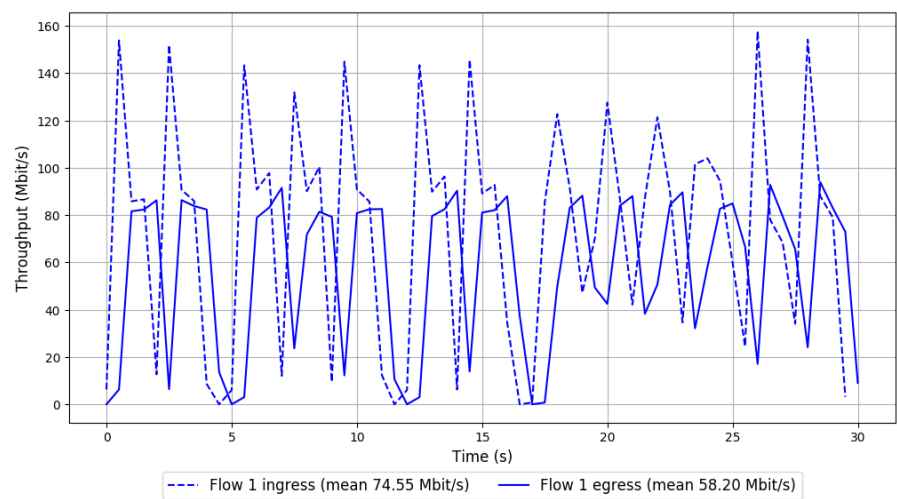


Run 1: Statistics of Verus

Start at: 2019-07-11 22:59:28
End at: 2019-07-11 22:59:58
Local clock offset: 6.11 ms
Remote clock offset: -2.547 ms

Below is generated by plot.py at 2019-07-12 01:37:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 61.204 ms
Loss rate: 21.92%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 61.204 ms
Loss rate: 21.92%

Run 1: Report of Verus — Data Link

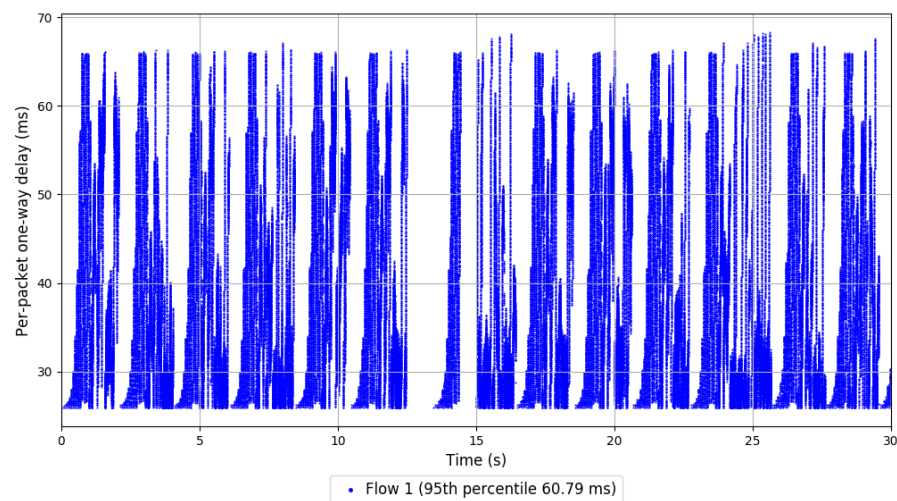
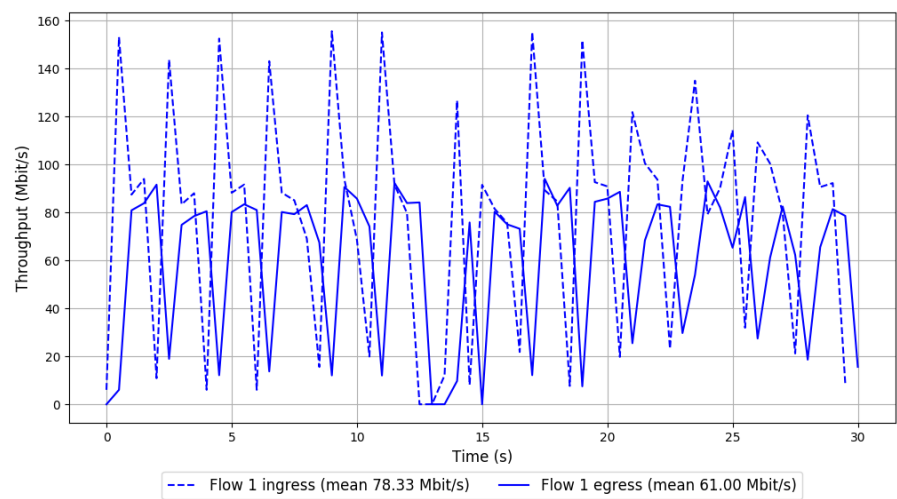


Run 2: Statistics of Verus

Start at: 2019-07-11 23:31:36
End at: 2019-07-11 23:32:06
Local clock offset: 5.679 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2019-07-12 01:37:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 60.789 ms
Loss rate: 22.11%
-- Flow 1:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 60.789 ms
Loss rate: 22.11%

Run 2: Report of Verus — Data Link

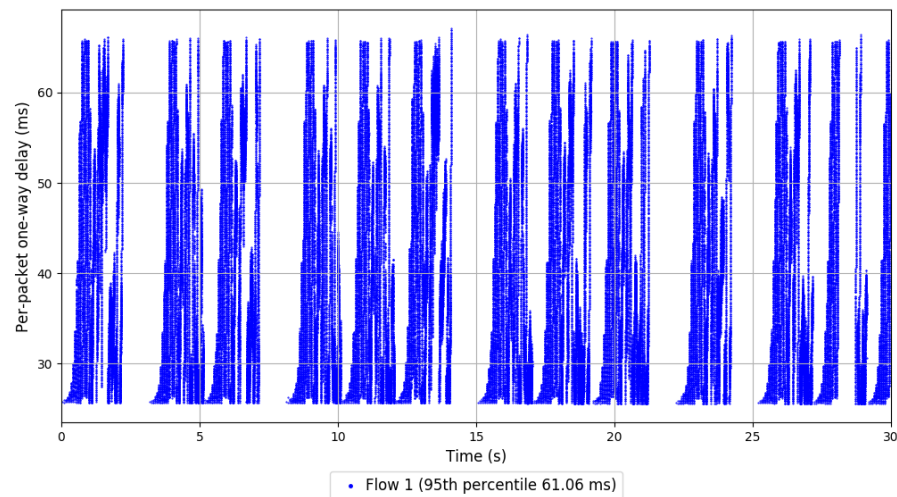
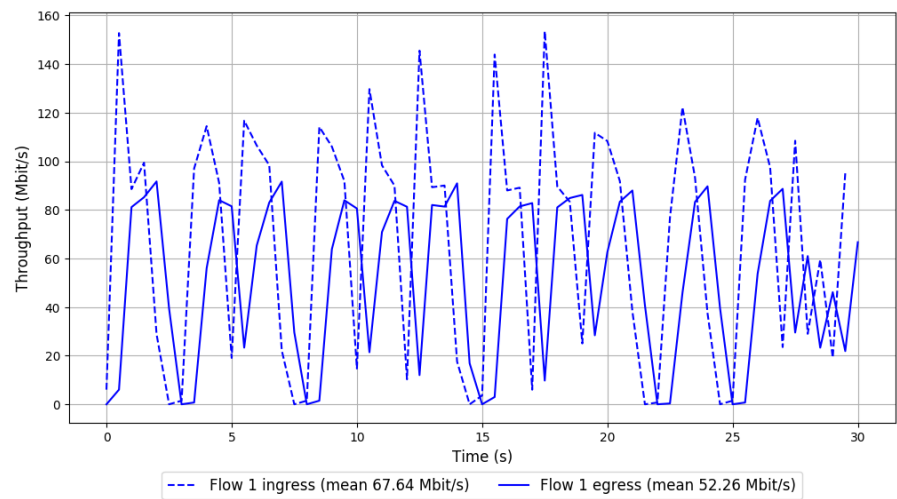


Run 3: Statistics of Verus

Start at: 2019-07-12 00:02:01
End at: 2019-07-12 00:02:31
Local clock offset: 4.968 ms
Remote clock offset: -2.378 ms

Below is generated by plot.py at 2019-07-12 01:37:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 61.058 ms
Loss rate: 22.65%
-- Flow 1:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 61.058 ms
Loss rate: 22.65%

Run 3: Report of Verus — Data Link

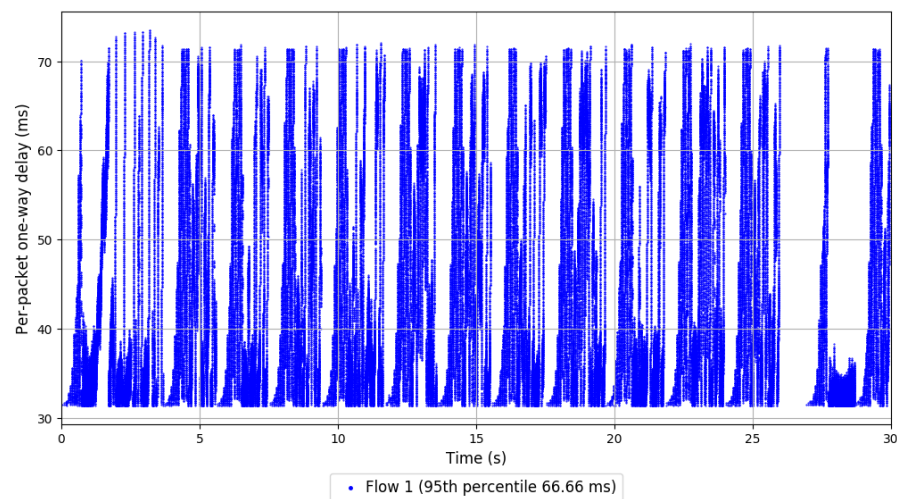
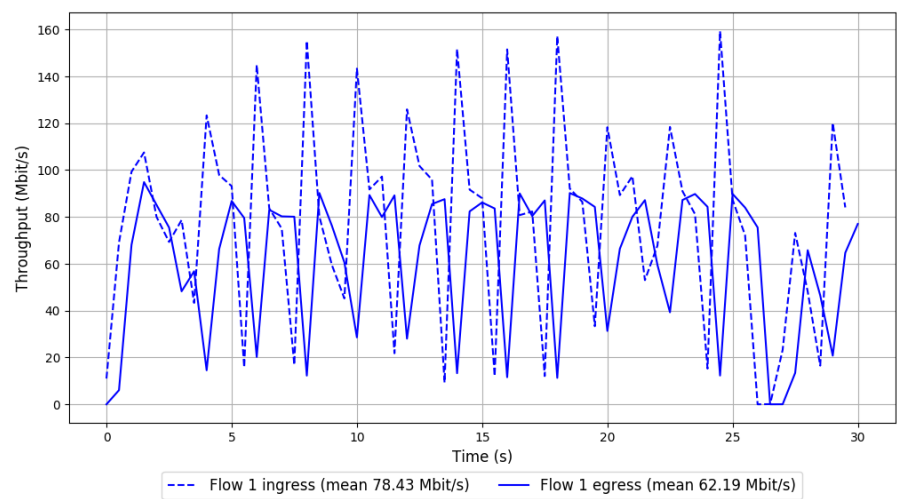


Run 4: Statistics of Verus

Start at: 2019-07-12 00:36:21
End at: 2019-07-12 00:36:51
Local clock offset: 2.207 ms
Remote clock offset: -2.941 ms

Below is generated by plot.py at 2019-07-12 01:38:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 66.663 ms
Loss rate: 20.62%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 66.663 ms
Loss rate: 20.62%

Run 4: Report of Verus — Data Link

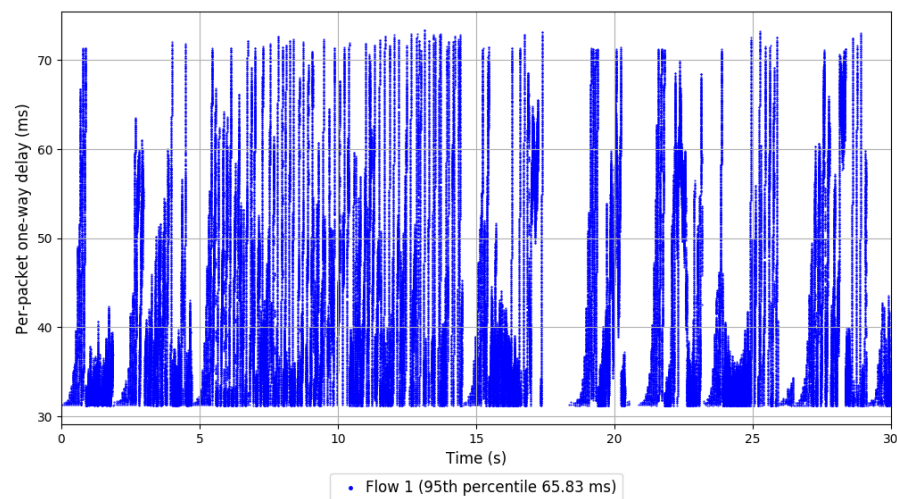
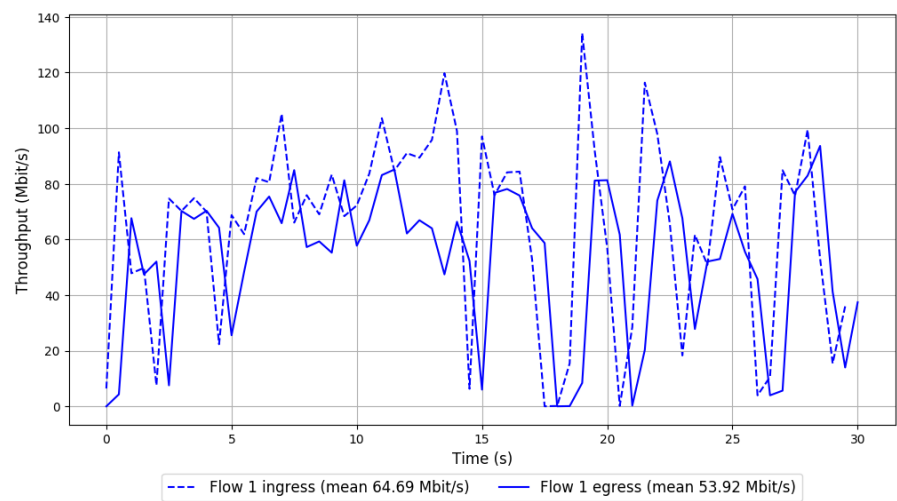


Run 5: Statistics of Verus

Start at: 2019-07-12 01:09:36
End at: 2019-07-12 01:10:06
Local clock offset: 0.099 ms
Remote clock offset: -3.862 ms

Below is generated by plot.py at 2019-07-12 01:38:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 65.829 ms
Loss rate: 16.64%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 65.829 ms
Loss rate: 16.64%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-07-11 22:50:32

End at: 2019-07-11 22:51:02

Local clock offset: 5.97 ms

Remote clock offset: -2.711 ms

Below is generated by plot.py at 2019-07-12 01:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 27.429 ms

Loss rate: 0.00%

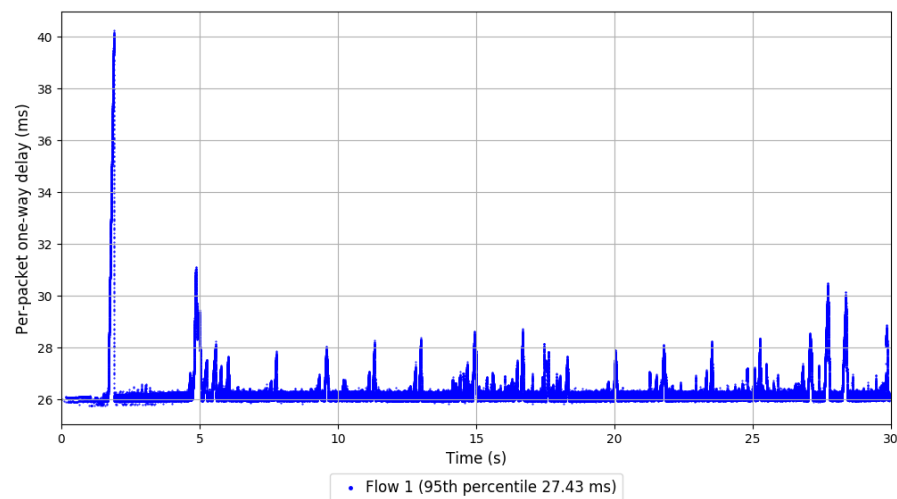
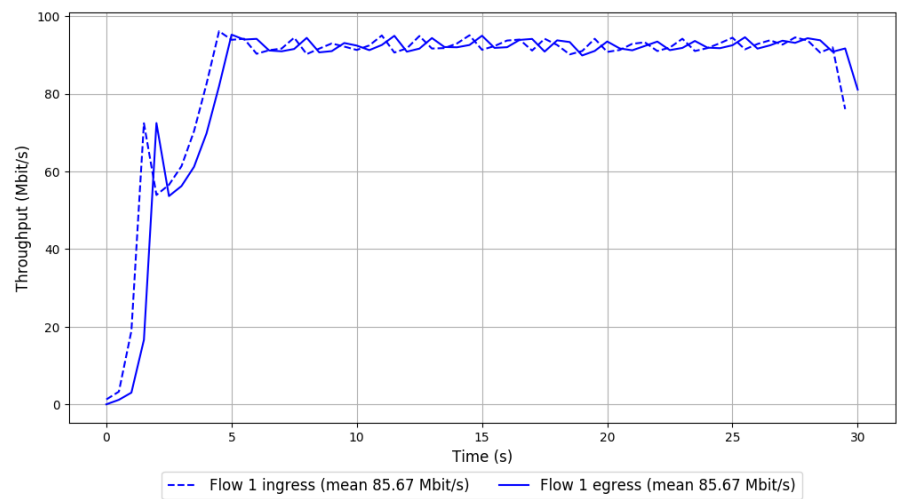
-- Flow 1:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 27.429 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-07-11 23:21:33

End at: 2019-07-11 23:22:03

Local clock offset: 5.662 ms

Remote clock offset: -2.647 ms

Below is generated by plot.py at 2019-07-12 01:38:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 28.610 ms

Loss rate: 0.00%

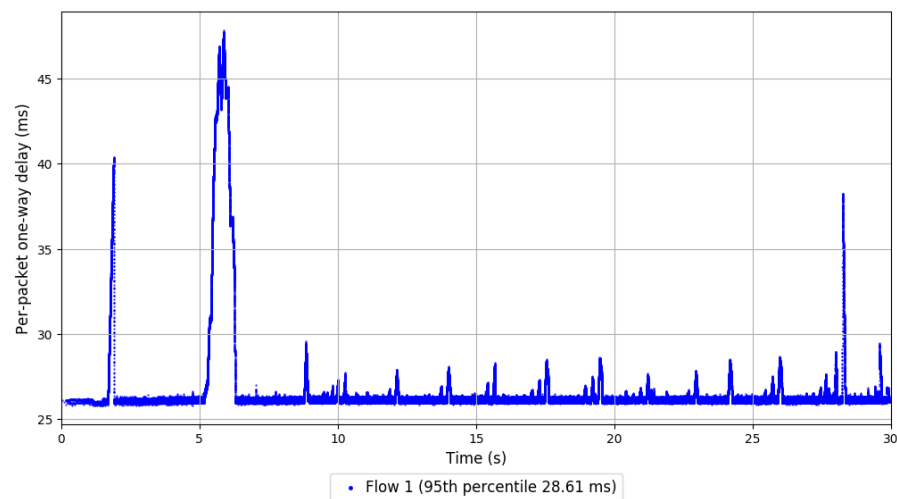
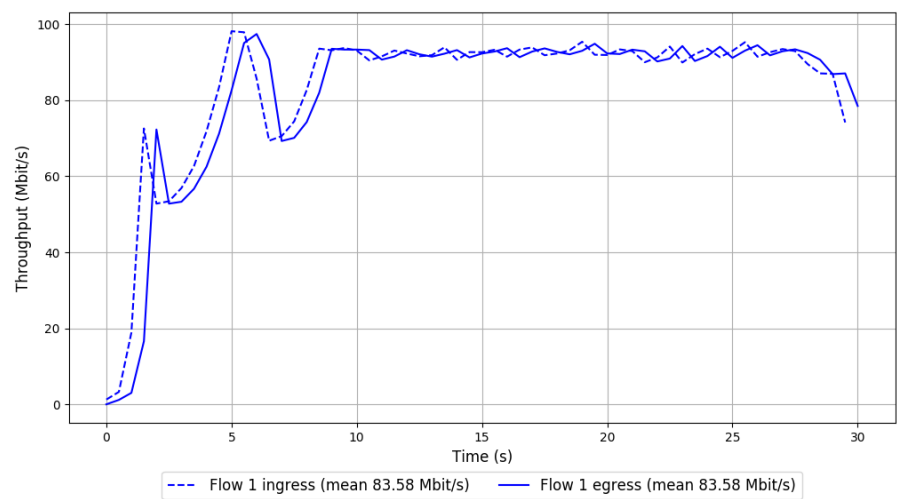
-- Flow 1:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 28.610 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-11 23:53:21

End at: 2019-07-11 23:53:51

Local clock offset: 5.825 ms

Remote clock offset: -2.301 ms

Below is generated by plot.py at 2019-07-12 01:38:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 29.098 ms

Loss rate: 0.00%

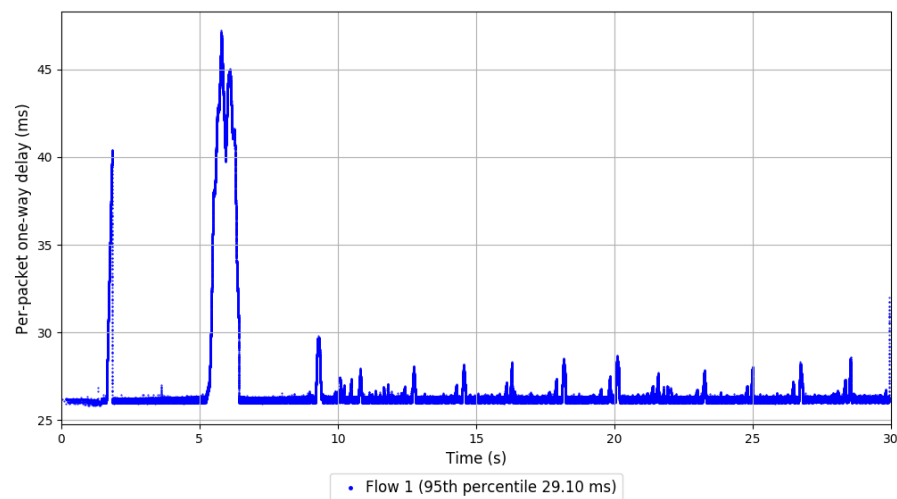
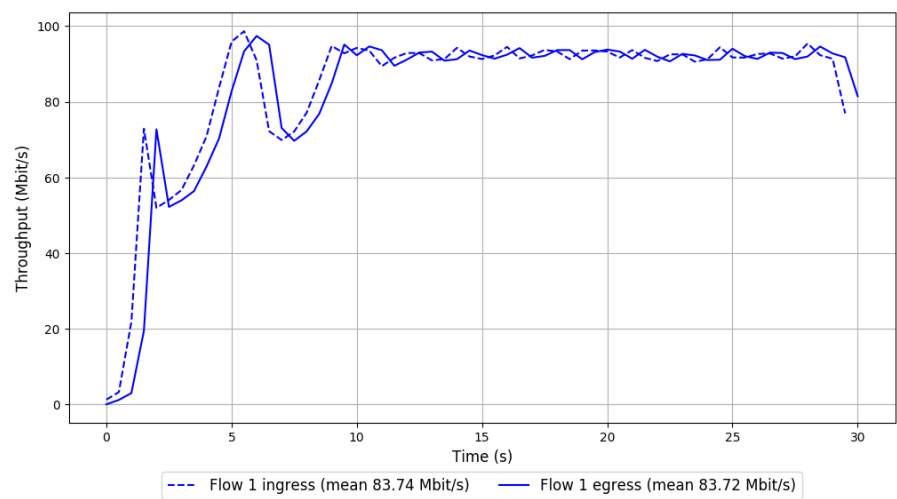
-- Flow 1:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 29.098 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-12 00:27:46

End at: 2019-07-12 00:28:16

Local clock offset: 1.657 ms

Remote clock offset: -2.858 ms

Below is generated by plot.py at 2019-07-12 01:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.34 Mbit/s

95th percentile per-packet one-way delay: 32.881 ms

Loss rate: 0.00%

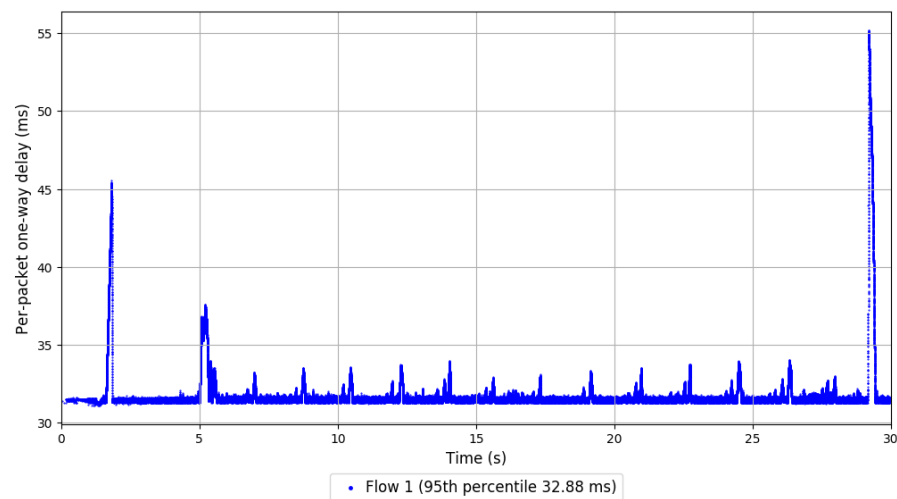
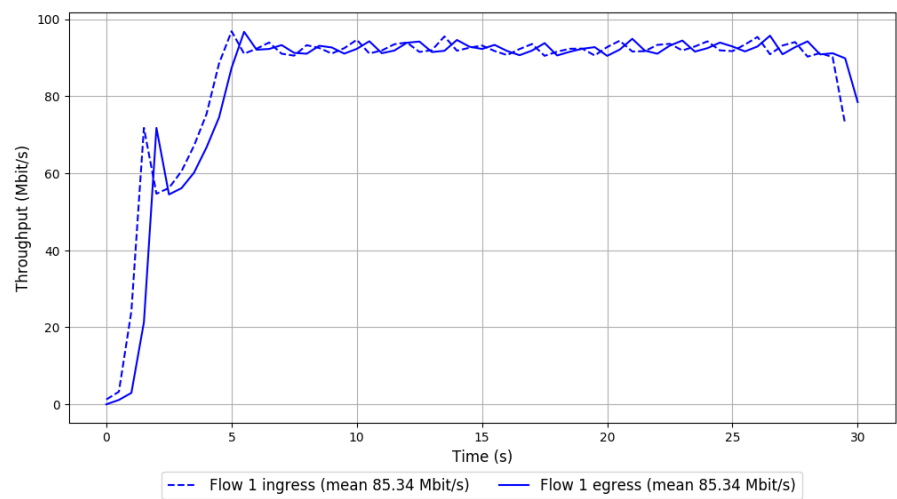
-- Flow 1:

Average throughput: 85.34 Mbit/s

95th percentile per-packet one-way delay: 32.881 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-12 00:59:28

End at: 2019-07-12 00:59:58

Local clock offset: 1.999 ms

Remote clock offset: -3.319 ms

Below is generated by plot.py at 2019-07-12 01:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.35 Mbit/s

95th percentile per-packet one-way delay: 31.421 ms

Loss rate: 0.00%

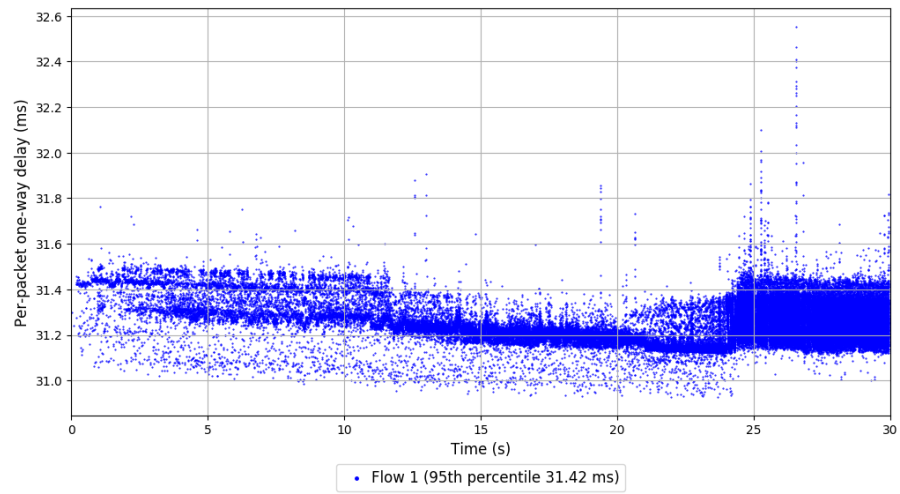
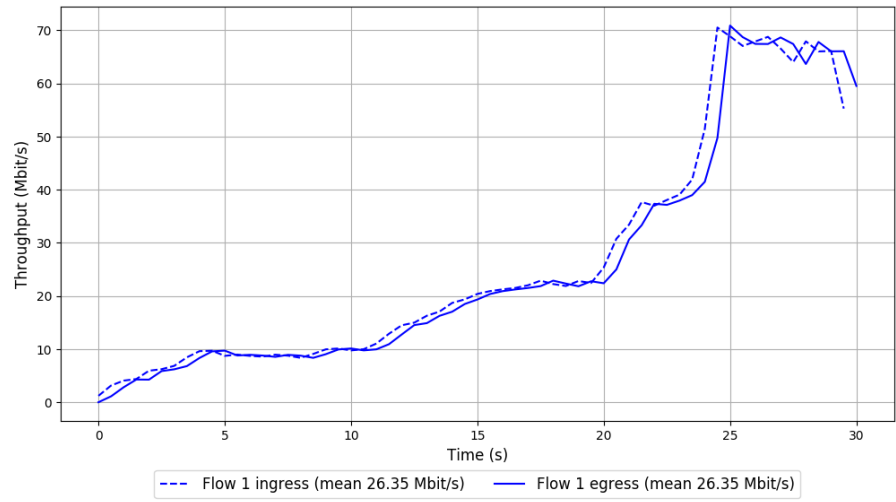
-- Flow 1:

Average throughput: 26.35 Mbit/s

95th percentile per-packet one-way delay: 31.421 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

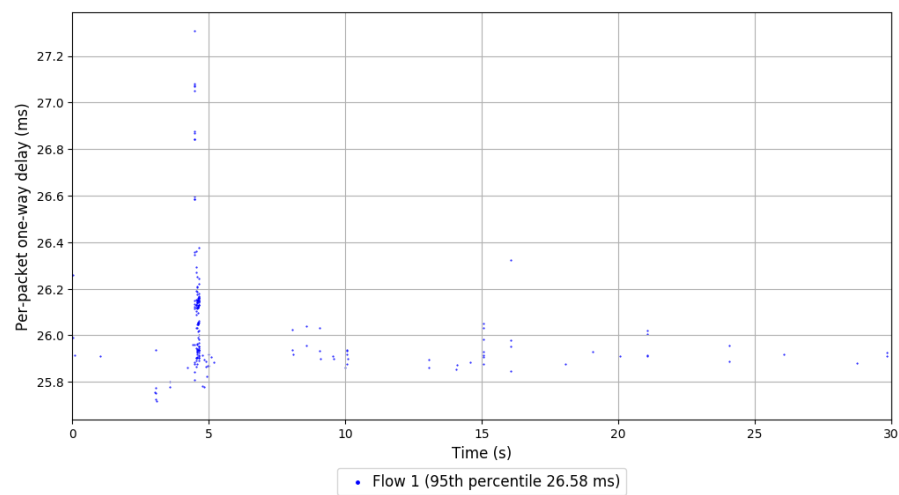
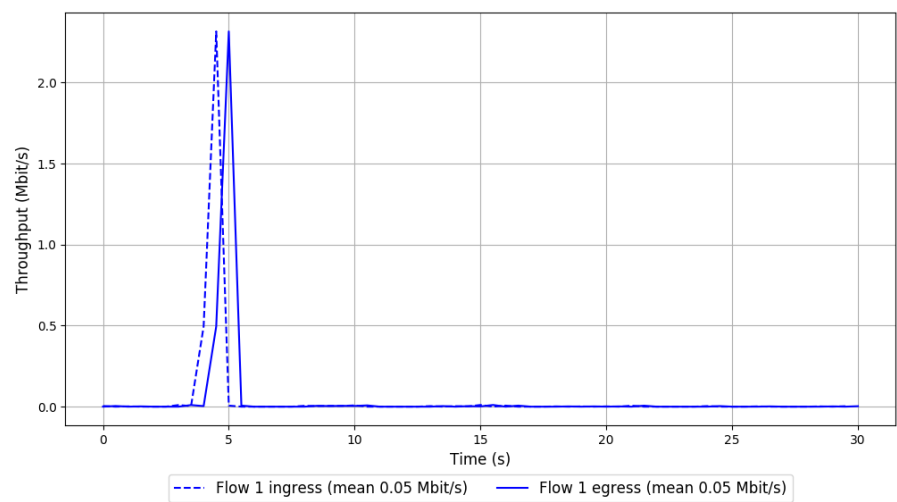


Run 1: Statistics of WebRTC media

Start at: 2019-07-11 23:01:57
End at: 2019-07-11 23:02:27
Local clock offset: 5.983 ms
Remote clock offset: -2.639 ms

Below is generated by plot.py at 2019-07-12 01:38:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 26.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 26.584 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-07-11 23:34:14

End at: 2019-07-11 23:34:44

Local clock offset: 5.705 ms

Remote clock offset: -2.475 ms

Below is generated by plot.py at 2019-07-12 01:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 26.578 ms

Loss rate: 0.00%

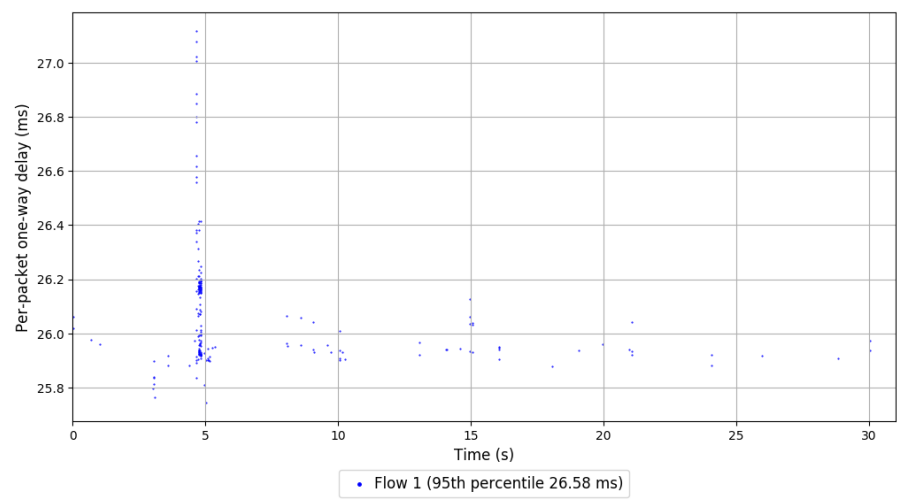
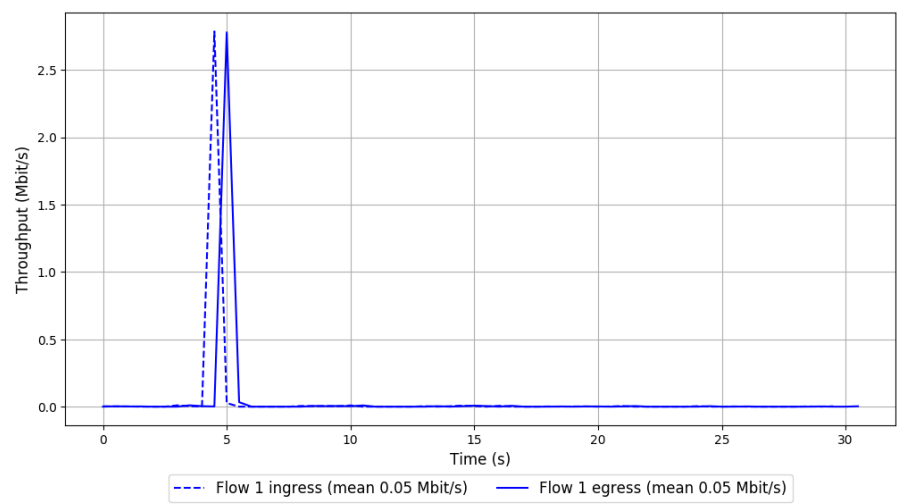
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 26.578 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

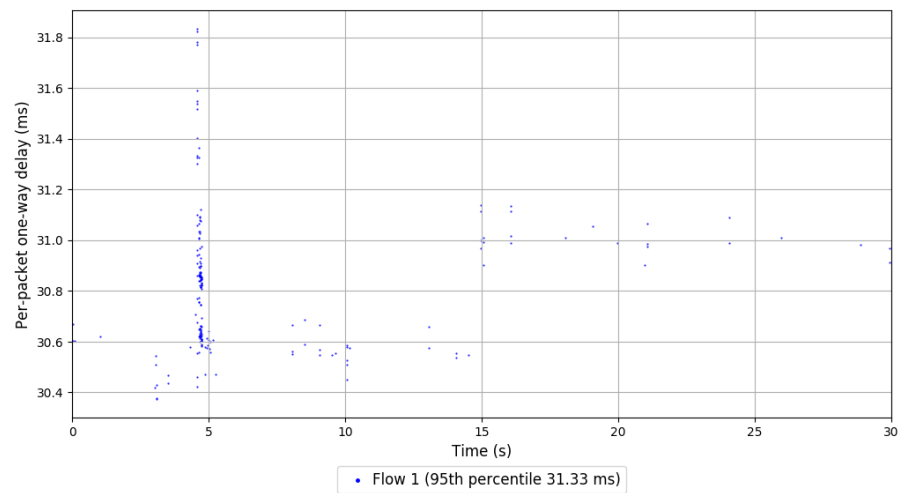
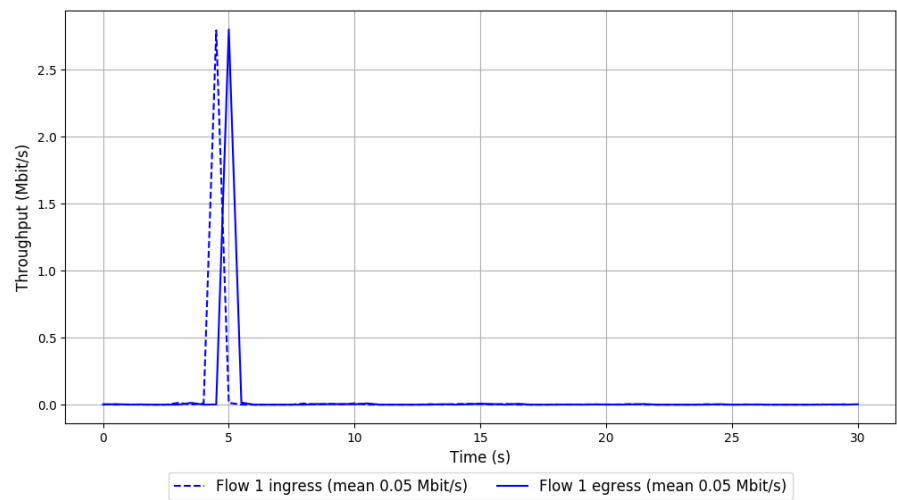


Run 3: Statistics of WebRTC media

Start at: 2019-07-12 00:09:02
End at: 2019-07-12 00:09:32
Local clock offset: 3.426 ms
Remote clock offset: -2.586 ms

Below is generated by plot.py at 2019-07-12 01:38:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.332 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

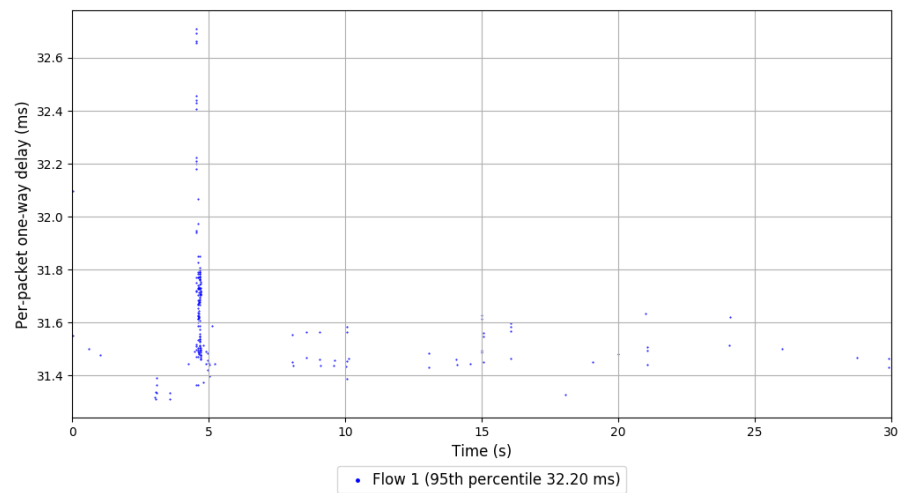
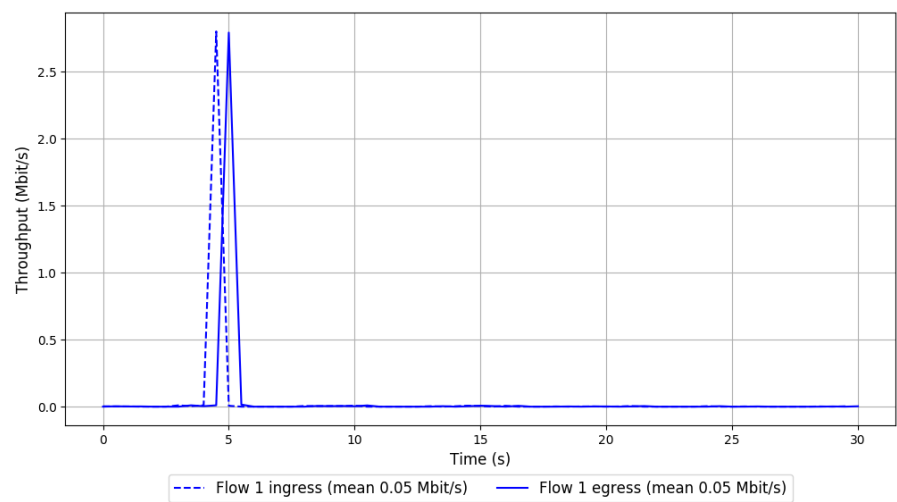


Run 4: Statistics of WebRTC media

Start at: 2019-07-12 00:39:11
End at: 2019-07-12 00:39:41
Local clock offset: 2.283 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2019-07-12 01:38:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.200 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-12 01:13:28
End at: 2019-07-12 01:13:58
Local clock offset: -0.343 ms
Remote clock offset: -3.922 ms

Below is generated by plot.py at 2019-07-12 01:38:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

