

Pantheon Report

Generated at 2018-07-01 04:01:40 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) → GCE Iowa Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

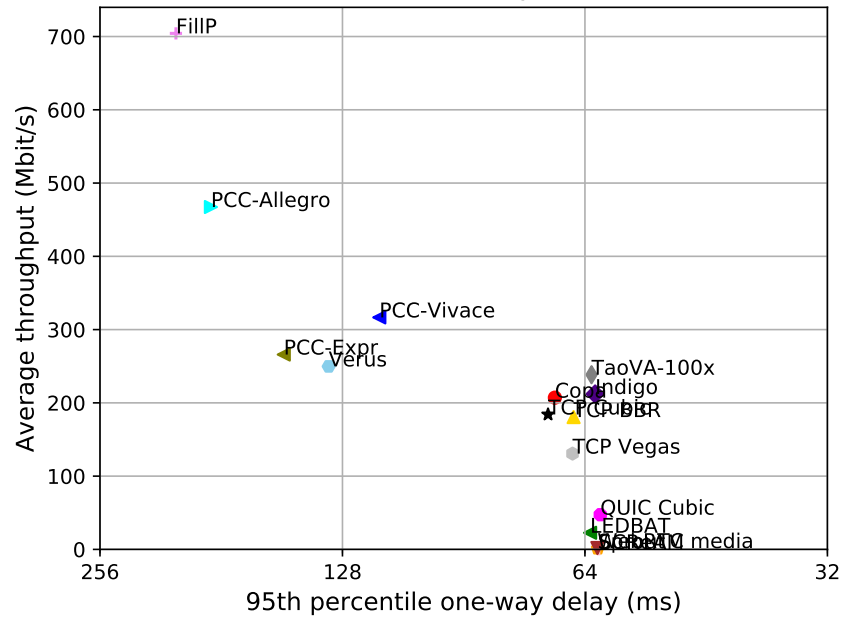
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

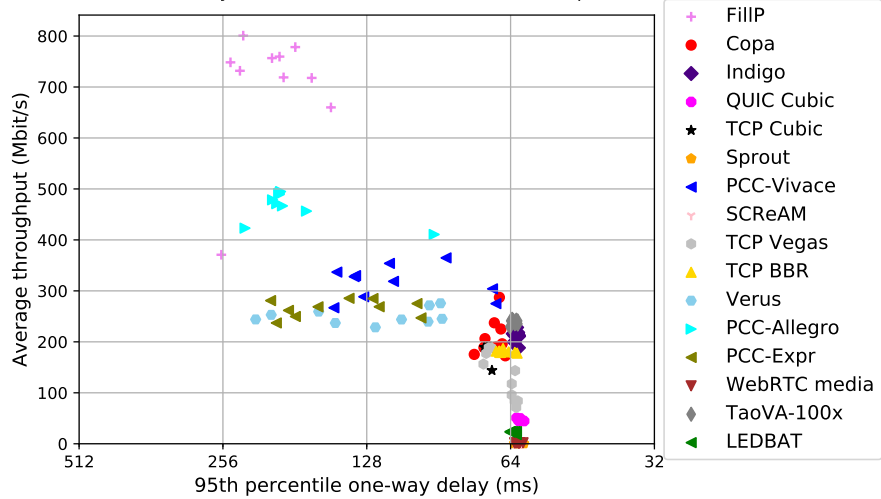
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Tokyo to GCE Iowa, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	180.63	66.11	0.44
Copa	10	207.11	69.74	0.43
TCP Cubic	10	184.16	71.12	0.45
FillP	10	704.30	206.05	4.77
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	212.12	62.16	0.42
LEDBAT	10	22.69	63.07	0.74
PCC-Allegro	10	467.32	186.43	1.87
PCC-Expr	10	265.94	151.40	2.15
QUIC Cubic	9	47.36	61.26	0.64
SCReAM	10	0.22	61.51	0.42
Sprout	10	1.14	61.71	0.23
TaoVA-100x	10	238.41	62.81	0.40
TCP Vegas	10	130.73	66.31	0.39
Verus	10	249.76	133.15	1.21
PCC-Vivace	10	316.63	115.21	0.88
WebRTC media	10	1.83	61.76	0.51

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 22:34:36

End at: 2018-06-30 22:35:06

Local clock offset: -0.039 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-01 02:19:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.84 Mbit/s

95th percentile per-packet one-way delay: 66.373 ms

Loss rate: 0.41%

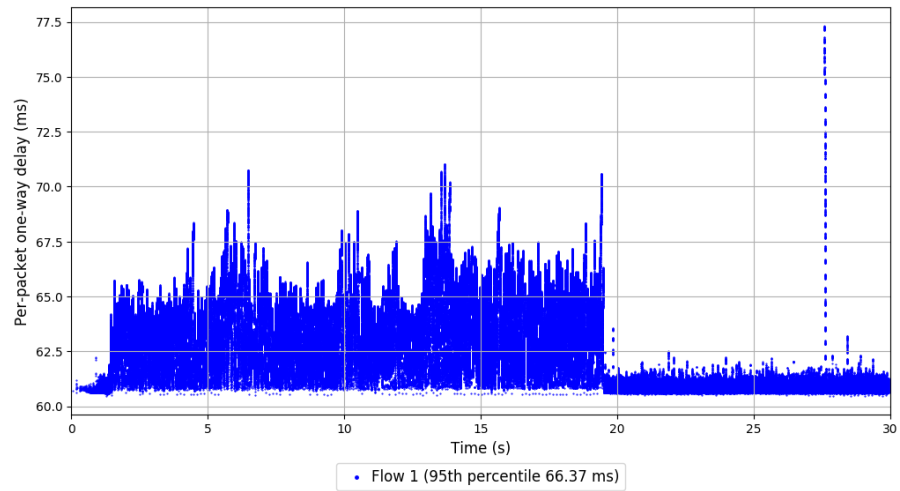
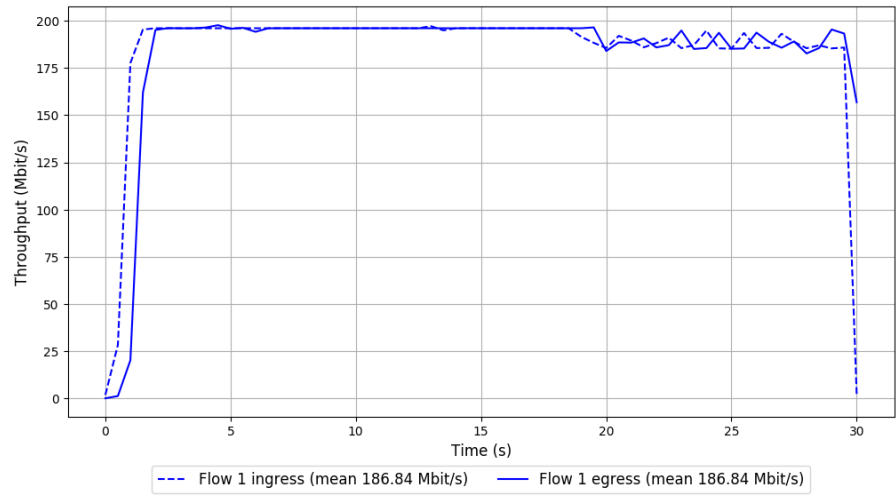
-- Flow 1:

Average throughput: 186.84 Mbit/s

95th percentile per-packet one-way delay: 66.373 ms

Loss rate: 0.41%

Run 1: Report of TCP BBR — Data Link

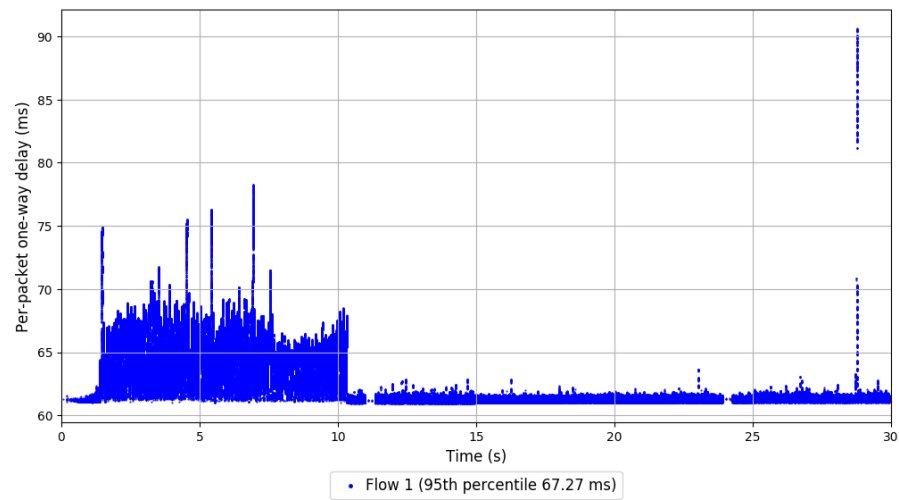
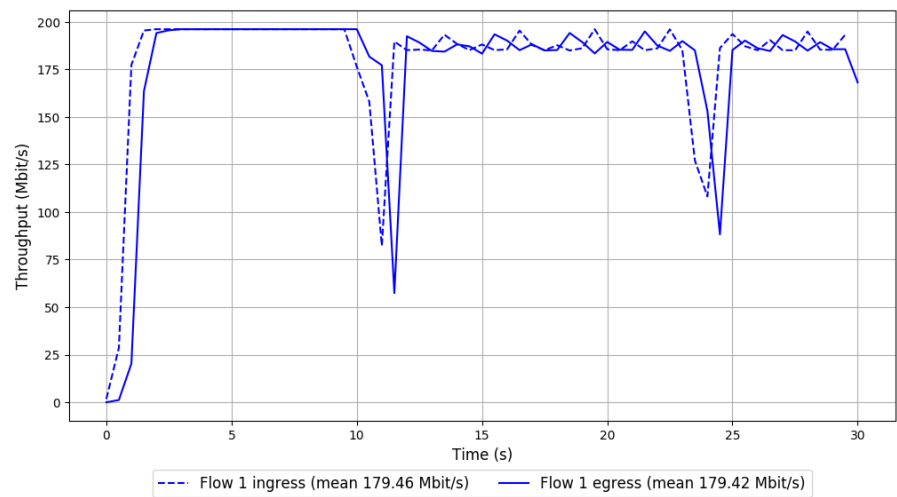


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 22:56:43
End at: 2018-06-30 22:57:13
Local clock offset: -0.016 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-01 02:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.42 Mbit/s
95th percentile per-packet one-way delay: 67.269 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 179.42 Mbit/s
95th percentile per-packet one-way delay: 67.269 ms
Loss rate: 0.46%

Run 2: Report of TCP BBR — Data Link

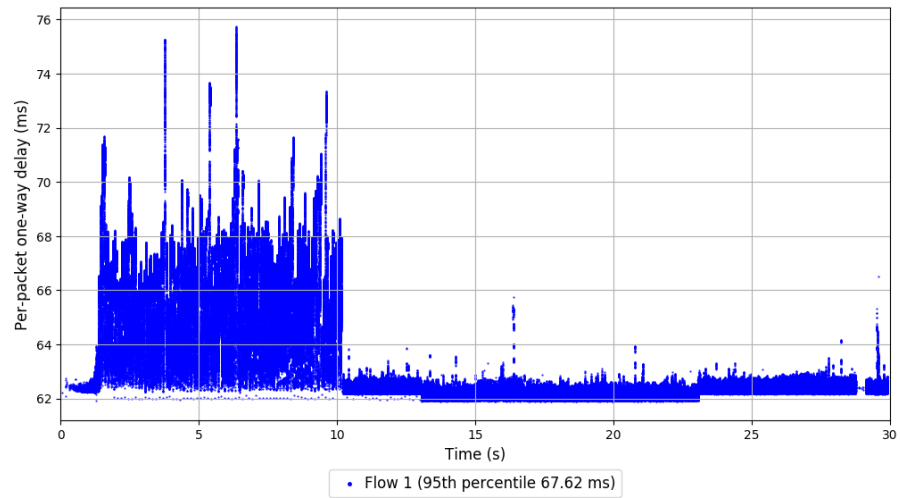
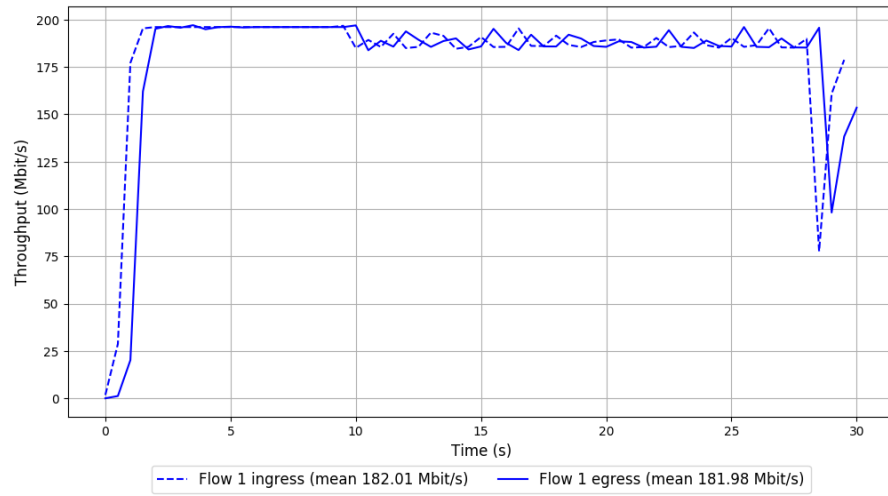


Run 3: Statistics of TCP BBR

Start at: 2018-06-30 23:18:45
End at: 2018-06-30 23:19:15
Local clock offset: -0.009 ms
Remote clock offset: -1.111 ms

Below is generated by plot.py at 2018-07-01 02:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 67.616 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 67.616 ms
Loss rate: 0.44%

Run 3: Report of TCP BBR — Data Link

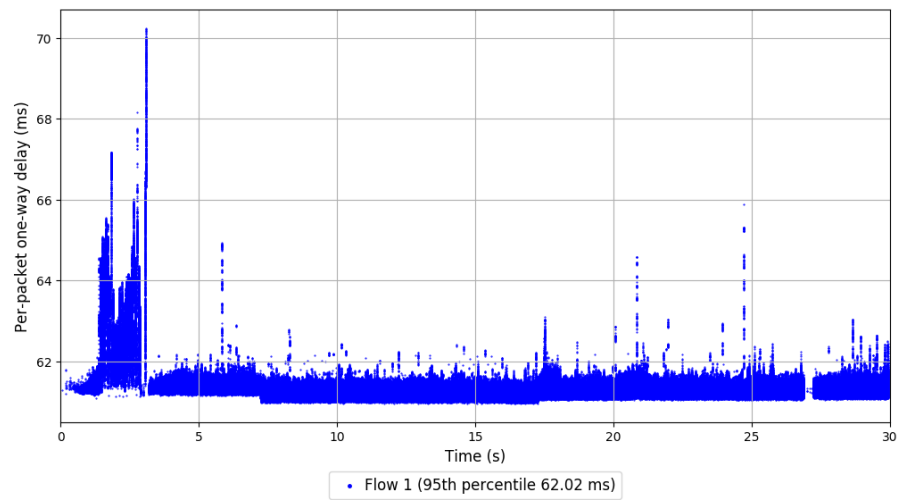
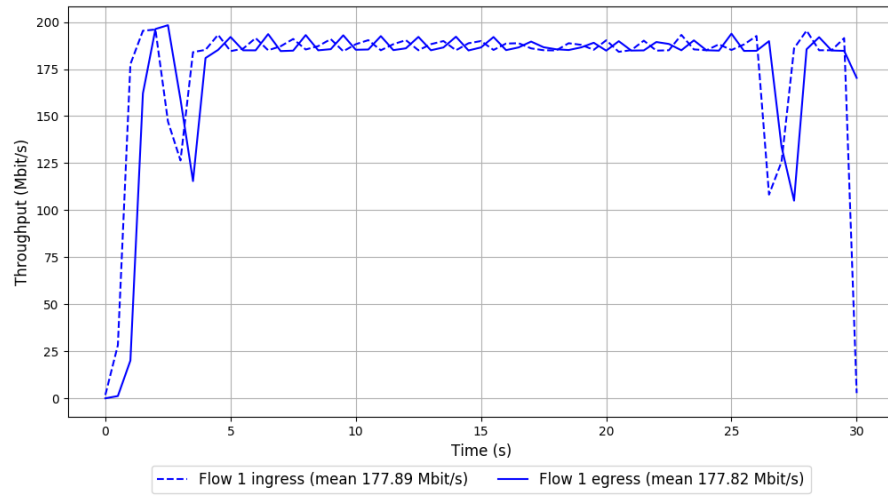


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 23:40:40
End at: 2018-06-30 23:41:10
Local clock offset: -0.008 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-01 02:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 62.015 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 62.015 ms
Loss rate: 0.47%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-01 00:02:50

End at: 2018-07-01 00:03:20

Local clock offset: -0.006 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-01 02:19:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.29 Mbit/s

95th percentile per-packet one-way delay: 64.612 ms

Loss rate: 0.42%

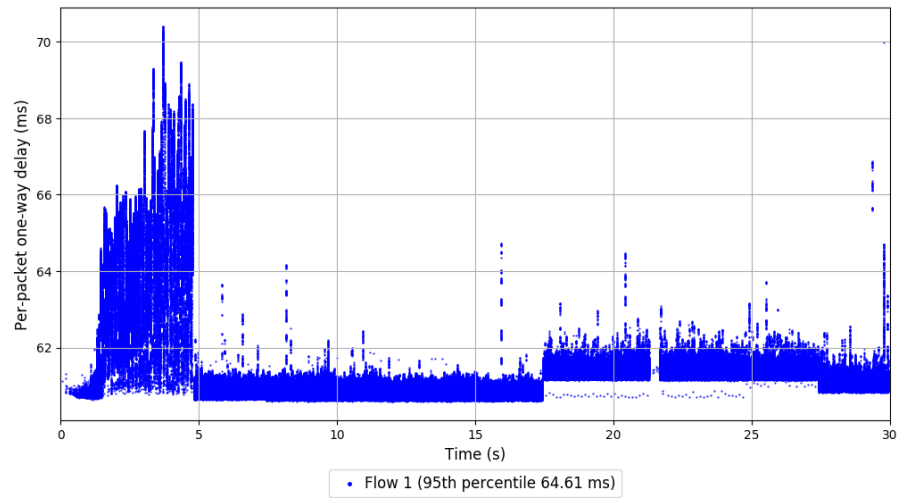
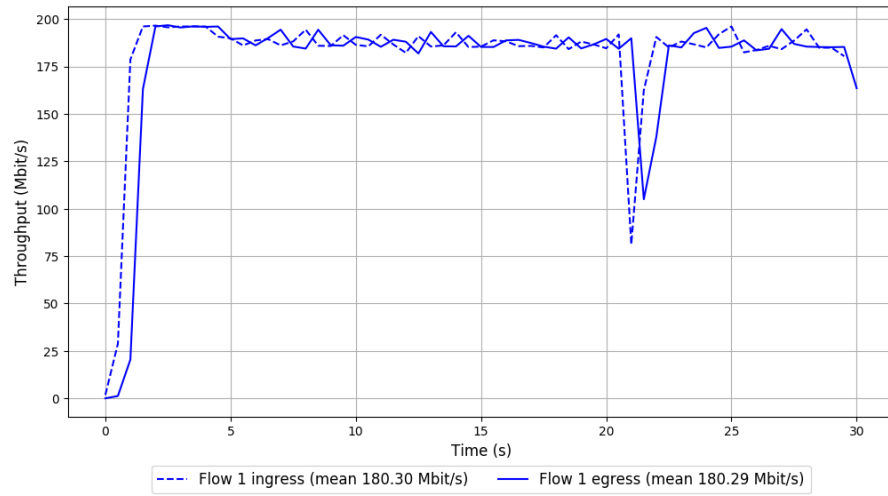
-- Flow 1:

Average throughput: 180.29 Mbit/s

95th percentile per-packet one-way delay: 64.612 ms

Loss rate: 0.42%

Run 5: Report of TCP BBR — Data Link

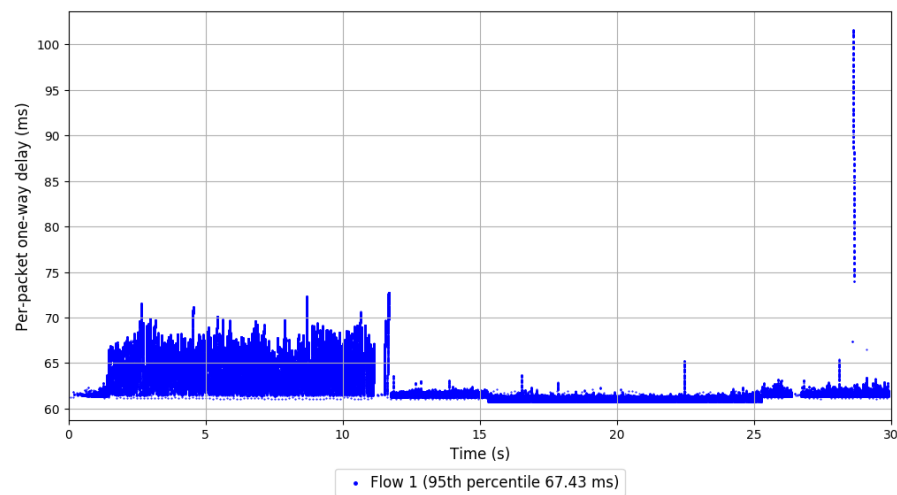
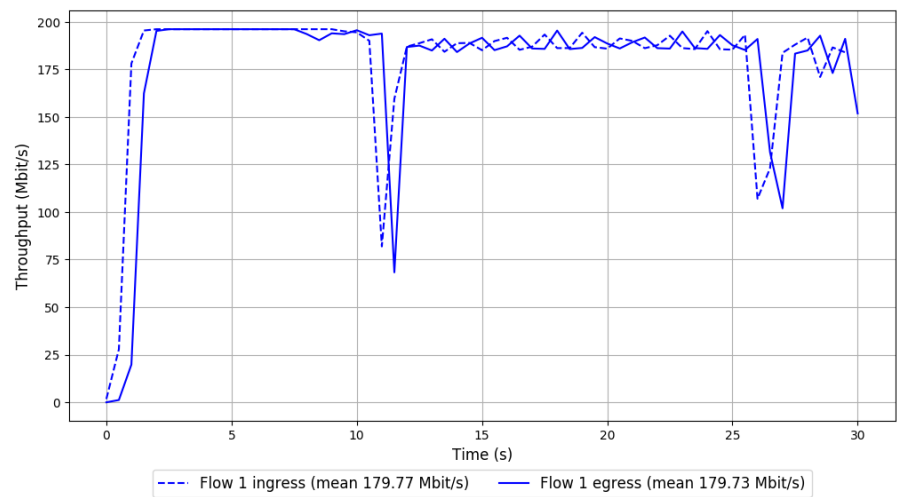


Run 6: Statistics of TCP BBR

Start at: 2018-07-01 00:24:22
End at: 2018-07-01 00:24:52
Local clock offset: -0.021 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-01 02:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.73 Mbit/s
95th percentile per-packet one-way delay: 67.426 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 179.73 Mbit/s
95th percentile per-packet one-way delay: 67.426 ms
Loss rate: 0.45%

Run 6: Report of TCP BBR — Data Link

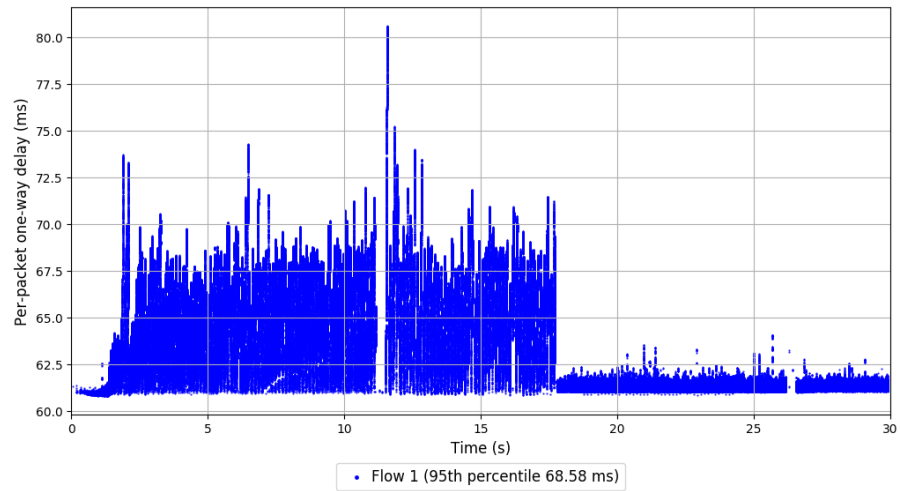
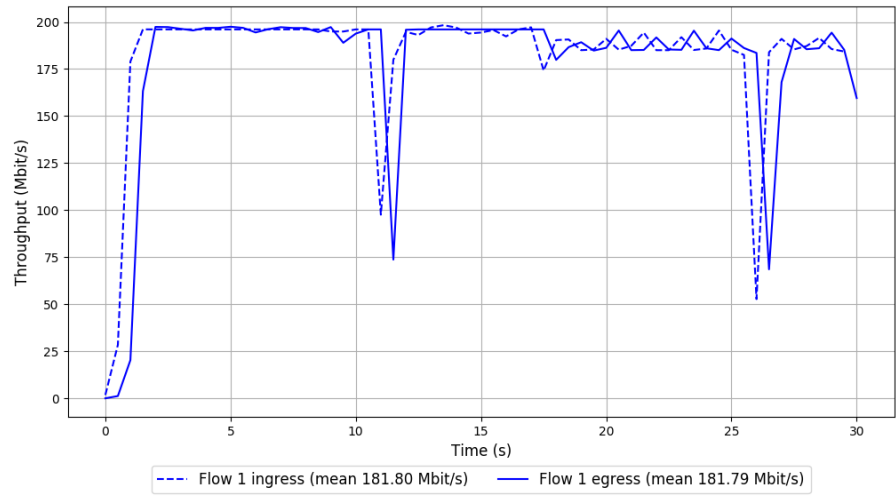


Run 7: Statistics of TCP BBR

Start at: 2018-07-01 00:46:20
End at: 2018-07-01 00:46:50
Local clock offset: -0.036 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-01 02:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.79 Mbit/s
95th percentile per-packet one-way delay: 68.585 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 181.79 Mbit/s
95th percentile per-packet one-way delay: 68.585 ms
Loss rate: 0.43%

Run 7: Report of TCP BBR — Data Link

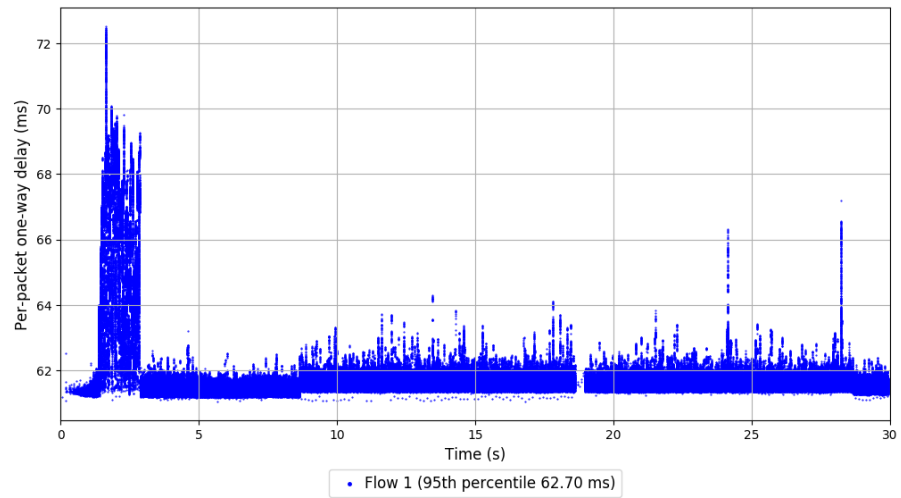
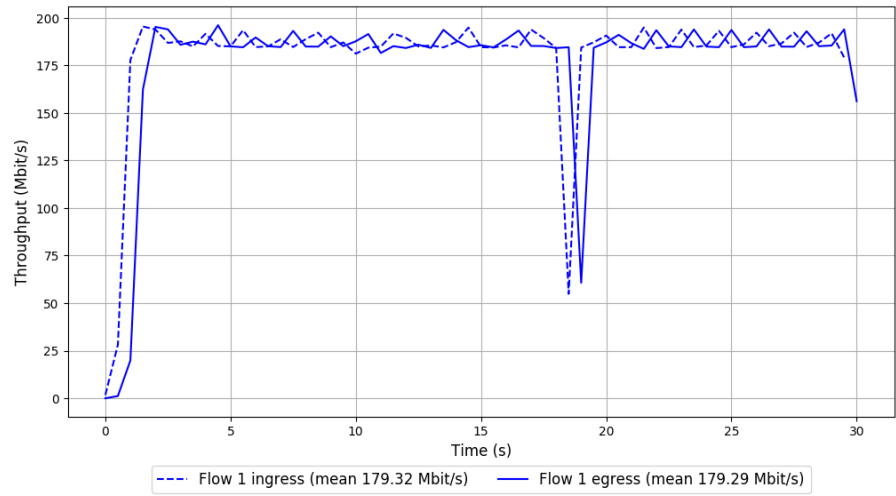


Run 8: Statistics of TCP BBR

Start at: 2018-07-01 01:08:19
End at: 2018-07-01 01:08:49
Local clock offset: -0.021 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-01 02:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.29 Mbit/s
95th percentile per-packet one-way delay: 62.703 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 179.29 Mbit/s
95th percentile per-packet one-way delay: 62.703 ms
Loss rate: 0.42%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-01 01:30:04

End at: 2018-07-01 01:30:34

Local clock offset: -0.031 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-07-01 02:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.13 Mbit/s

95th percentile per-packet one-way delay: 67.314 ms

Loss rate: 0.42%

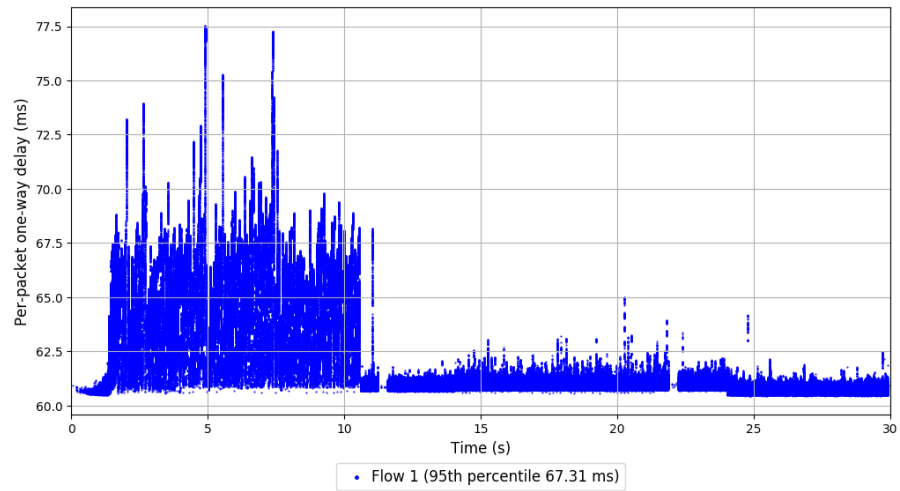
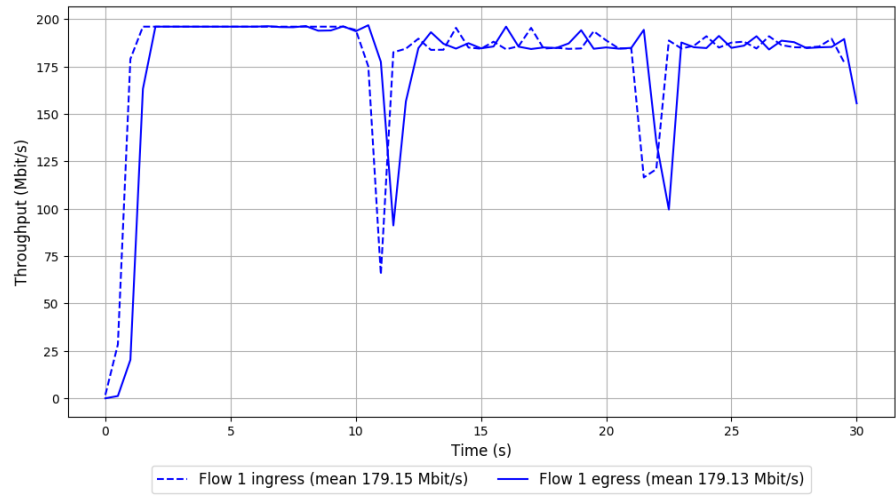
-- Flow 1:

Average throughput: 179.13 Mbit/s

95th percentile per-packet one-way delay: 67.314 ms

Loss rate: 0.42%

Run 9: Report of TCP BBR — Data Link

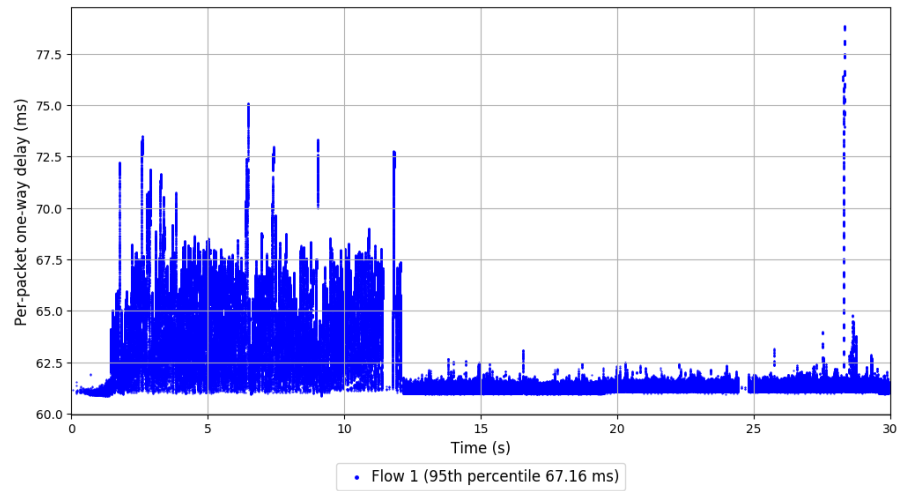
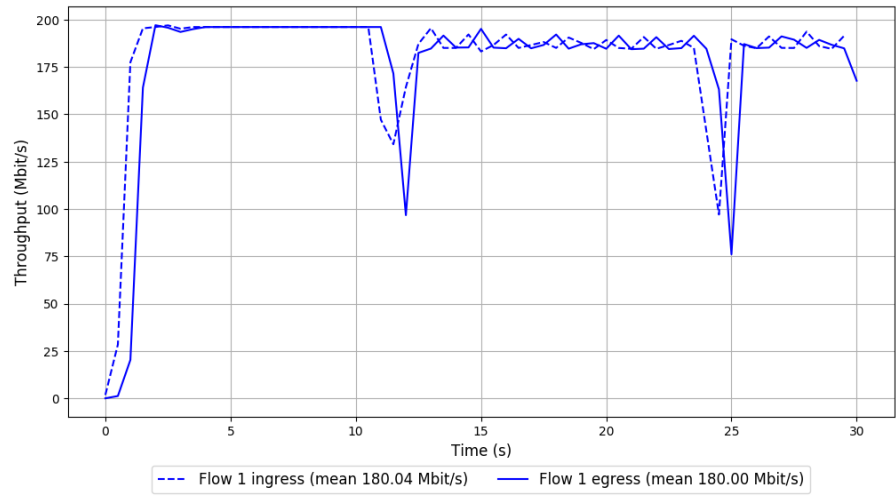


Run 10: Statistics of TCP BBR

Start at: 2018-07-01 01:51:58
End at: 2018-07-01 01:52:28
Local clock offset: -0.063 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-01 02:21:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.00 Mbit/s
95th percentile per-packet one-way delay: 67.160 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 180.00 Mbit/s
95th percentile per-packet one-way delay: 67.160 ms
Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link

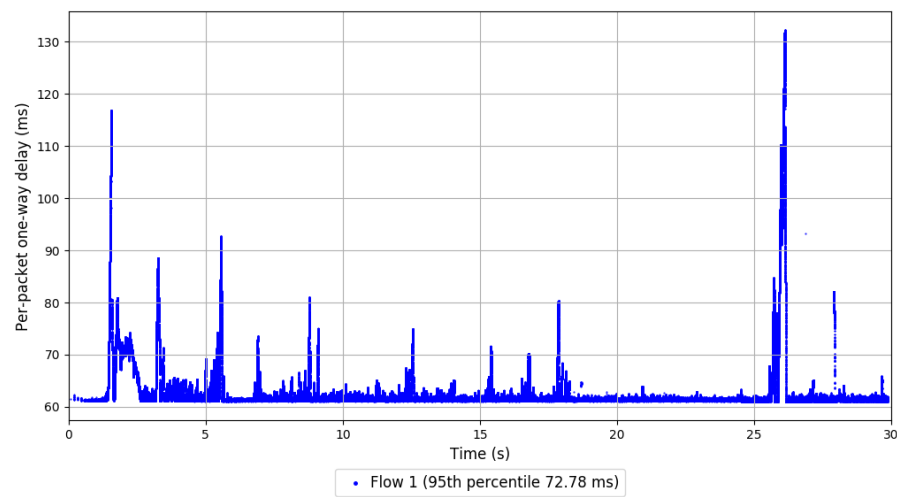
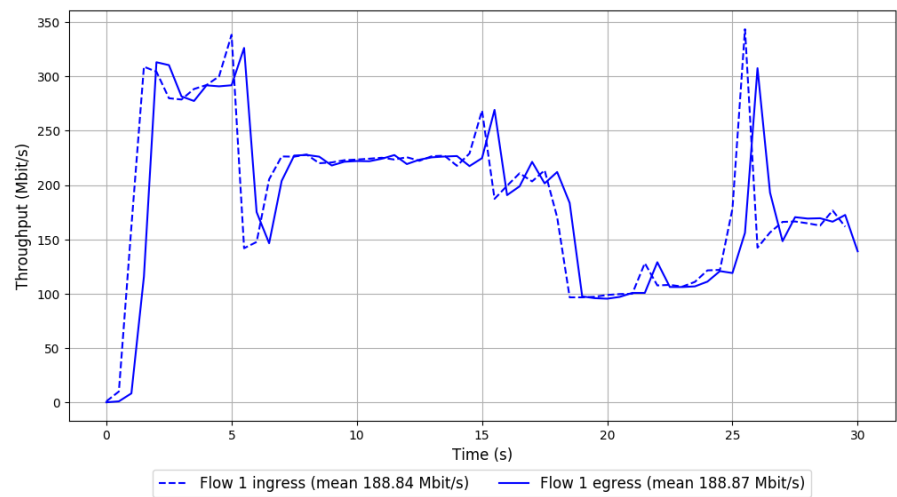


Run 1: Statistics of Copa

Start at: 2018-06-30 22:33:13
End at: 2018-06-30 22:33:43
Local clock offset: -0.004 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-01 02:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.87 Mbit/s
95th percentile per-packet one-way delay: 72.778 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 188.87 Mbit/s
95th percentile per-packet one-way delay: 72.778 ms
Loss rate: 0.39%

Run 1: Report of Copa — Data Link

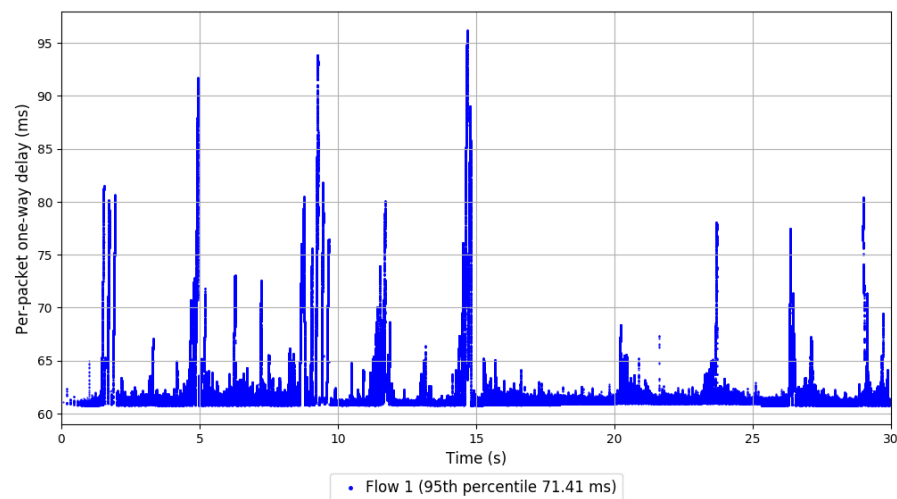
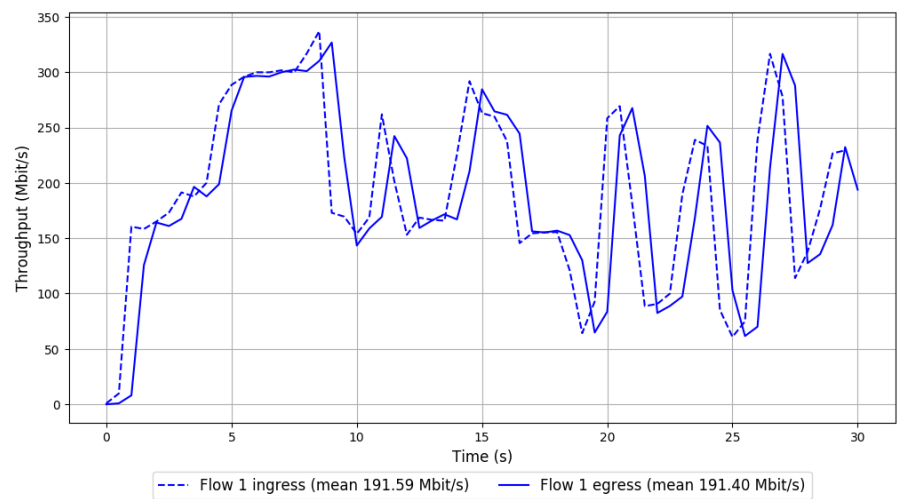


Run 2: Statistics of Copa

Start at: 2018-06-30 22:55:19
End at: 2018-06-30 22:55:50
Local clock offset: -0.082 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-01 02:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.40 Mbit/s
95th percentile per-packet one-way delay: 71.405 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 191.40 Mbit/s
95th percentile per-packet one-way delay: 71.405 ms
Loss rate: 0.50%

Run 2: Report of Copa — Data Link

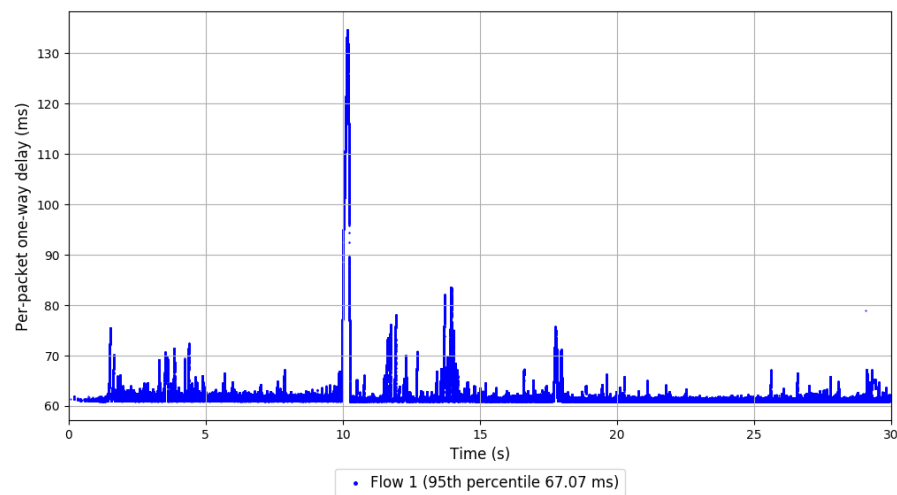
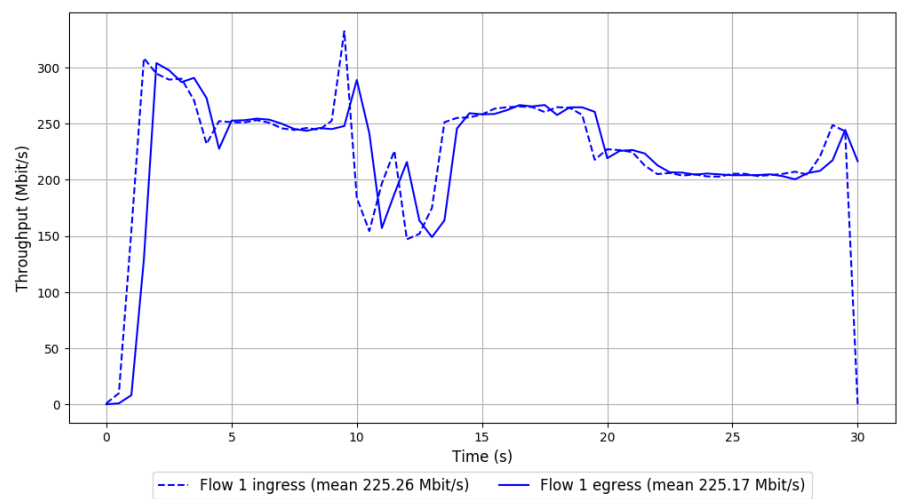


Run 3: Statistics of Copa

Start at: 2018-06-30 23:17:18
End at: 2018-06-30 23:17:48
Local clock offset: -0.052 ms
Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-01 02:27:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.17 Mbit/s
95th percentile per-packet one-way delay: 67.070 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 225.17 Mbit/s
95th percentile per-packet one-way delay: 67.070 ms
Loss rate: 0.45%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-30 23:39:17

End at: 2018-06-30 23:39:47

Local clock offset: 0.005 ms

Remote clock offset: 1.289 ms

Below is generated by plot.py at 2018-07-01 02:27:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.14 Mbit/s

95th percentile per-packet one-way delay: 66.651 ms

Loss rate: 0.31%

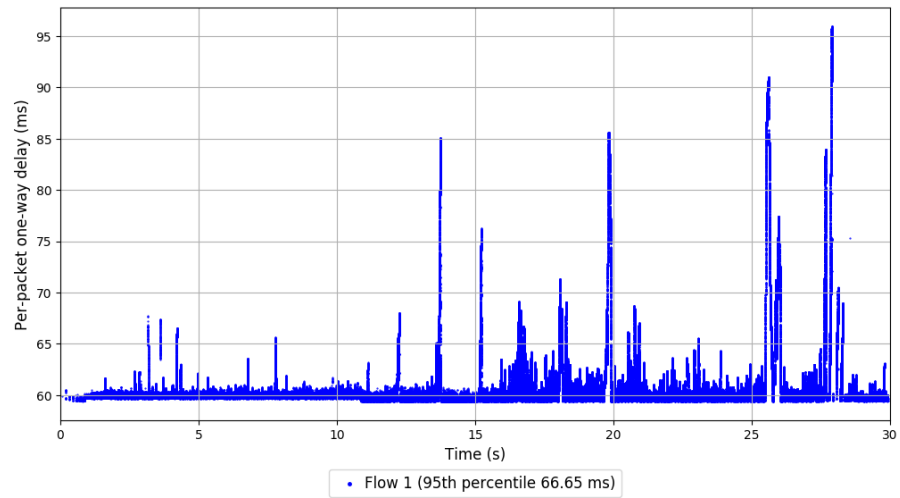
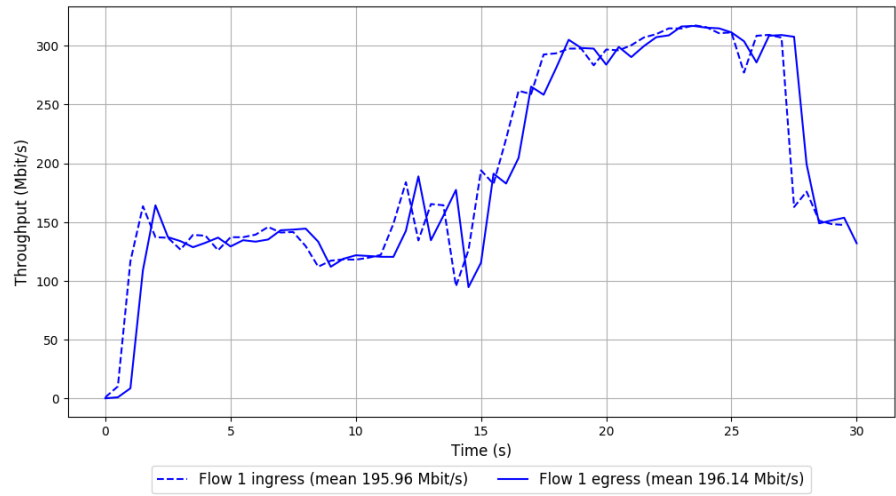
-- Flow 1:

Average throughput: 196.14 Mbit/s

95th percentile per-packet one-way delay: 66.651 ms

Loss rate: 0.31%

Run 4: Report of Copa — Data Link

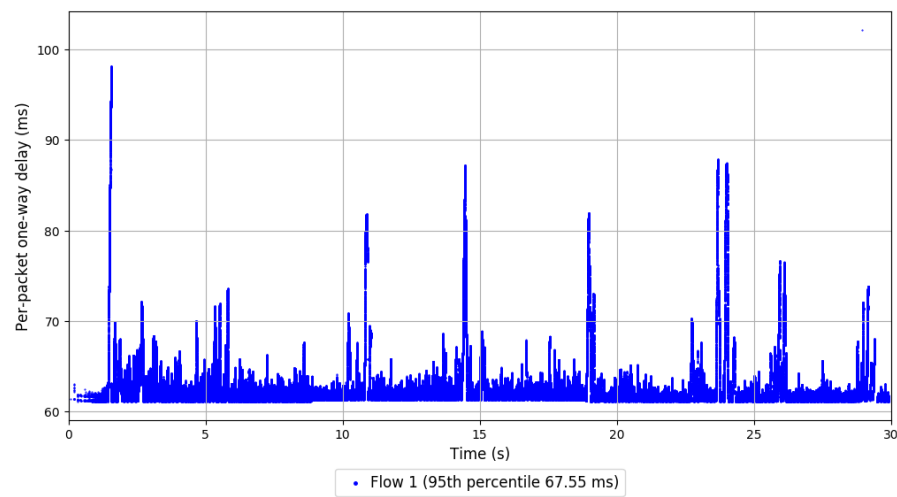
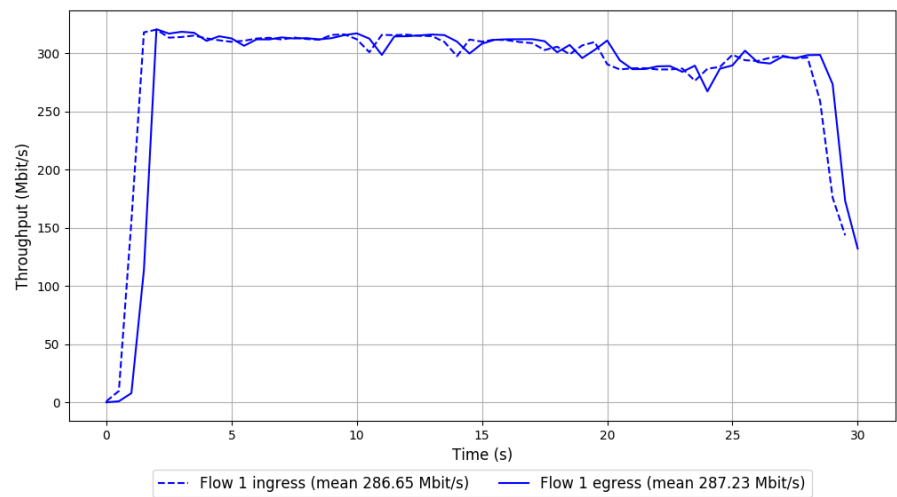


Run 5: Statistics of Copa

Start at: 2018-07-01 00:01:19
End at: 2018-07-01 00:01:49
Local clock offset: 0.019 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-07-01 02:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.23 Mbit/s
95th percentile per-packet one-way delay: 67.546 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 287.23 Mbit/s
95th percentile per-packet one-way delay: 67.546 ms
Loss rate: 0.21%

Run 5: Report of Copa — Data Link

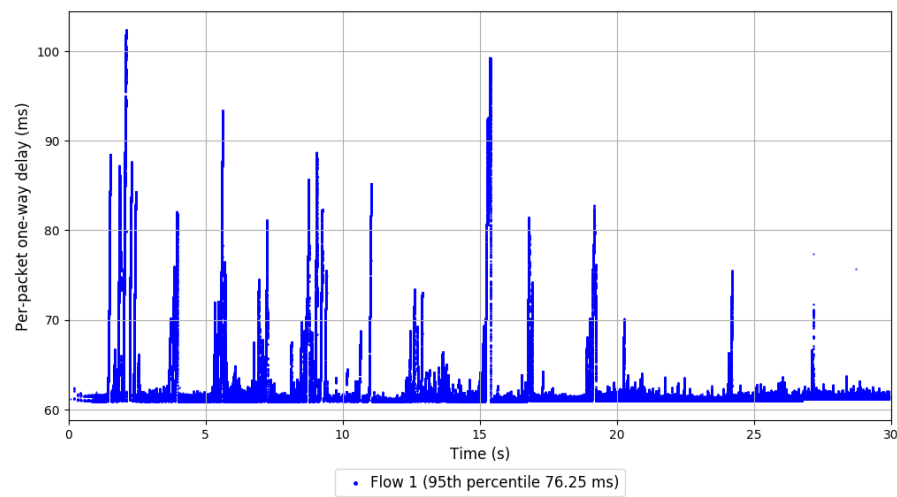
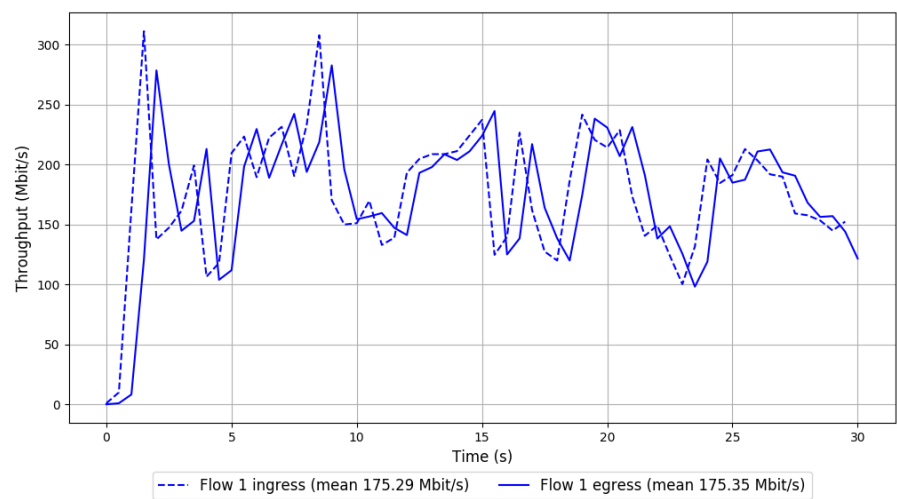


Run 6: Statistics of Copa

Start at: 2018-07-01 00:23:01
End at: 2018-07-01 00:23:31
Local clock offset: -0.029 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-01 02:29:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.35 Mbit/s
95th percentile per-packet one-way delay: 76.249 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 175.35 Mbit/s
95th percentile per-packet one-way delay: 76.249 ms
Loss rate: 0.37%

Run 6: Report of Copa — Data Link

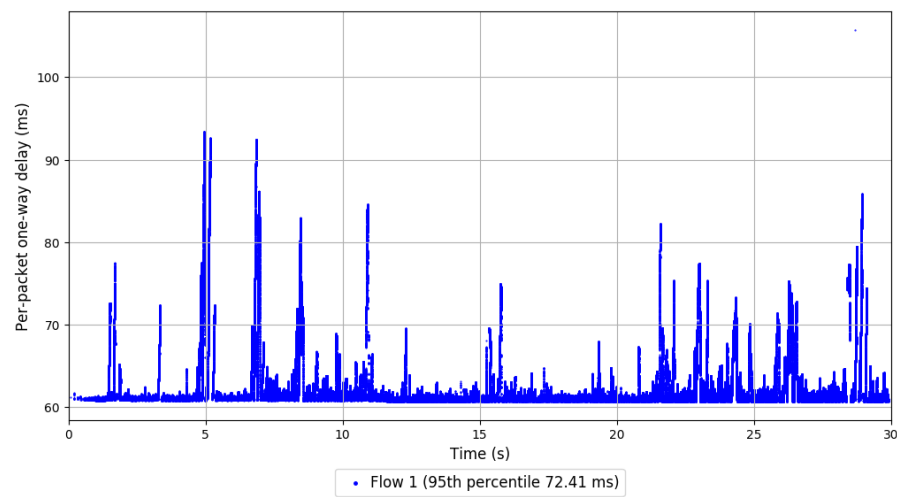
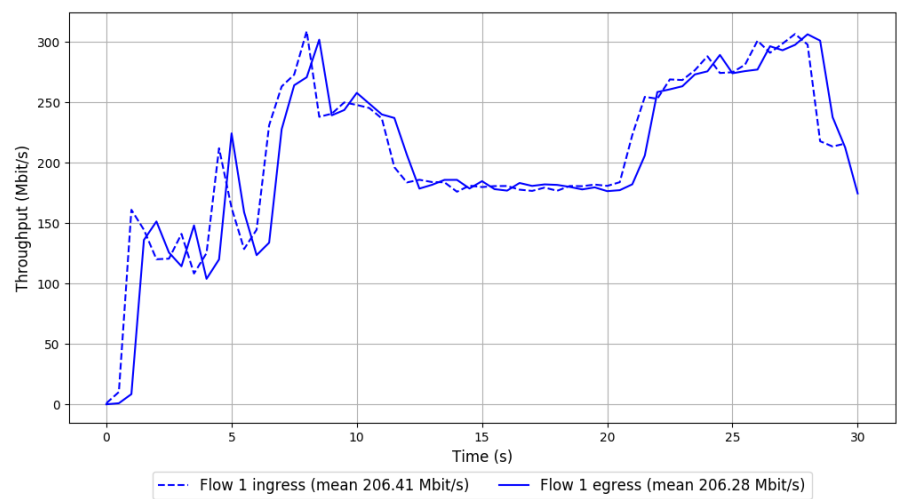


Run 7: Statistics of Copa

Start at: 2018-07-01 00:44:56
End at: 2018-07-01 00:45:26
Local clock offset: -0.018 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-01 02:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.28 Mbit/s
95th percentile per-packet one-way delay: 72.406 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 206.28 Mbit/s
95th percentile per-packet one-way delay: 72.406 ms
Loss rate: 0.47%

Run 7: Report of Copa — Data Link

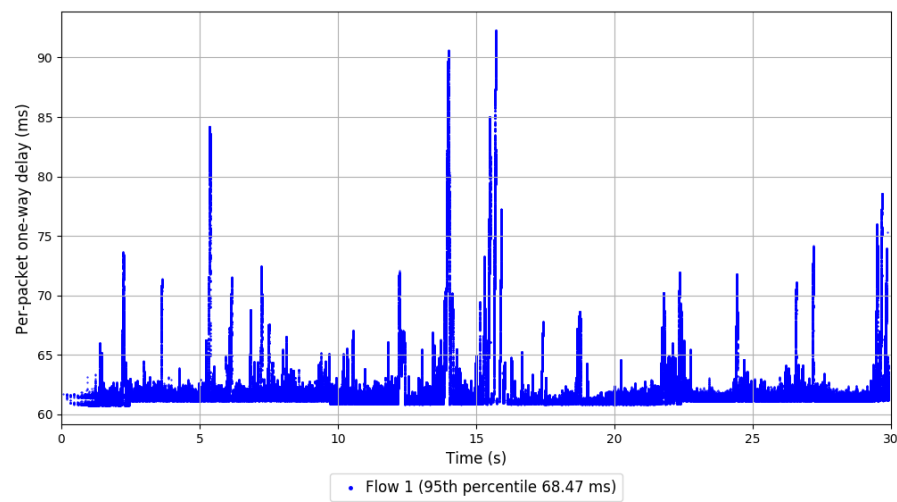
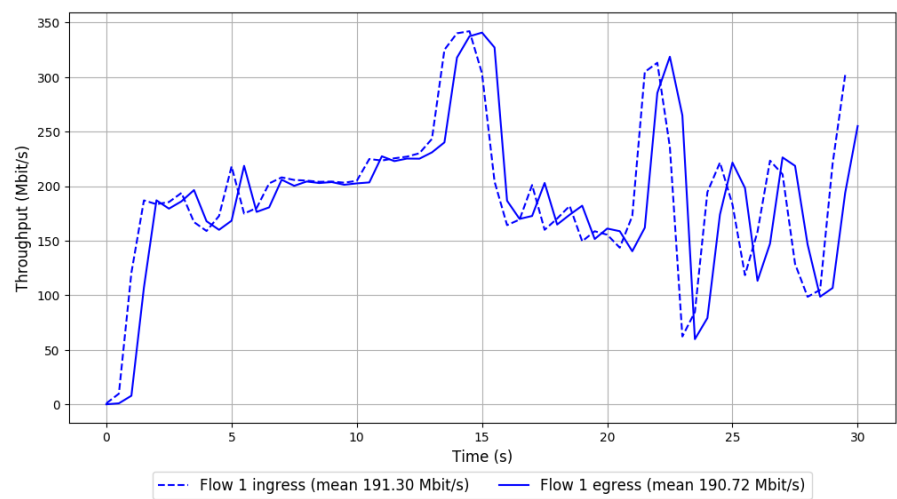


Run 8: Statistics of Copa

Start at: 2018-07-01 01:06:55
End at: 2018-07-01 01:07:25
Local clock offset: -0.086 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-01 02:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.72 Mbit/s
95th percentile per-packet one-way delay: 68.469 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 190.72 Mbit/s
95th percentile per-packet one-way delay: 68.469 ms
Loss rate: 0.71%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-01 01:28:42

End at: 2018-07-01 01:29:12

Local clock offset: -0.01 ms

Remote clock offset: 1.055 ms

Below is generated by plot.py at 2018-07-01 02:31:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.58 Mbit/s

95th percentile per-packet one-way delay: 65.642 ms

Loss rate: 0.41%

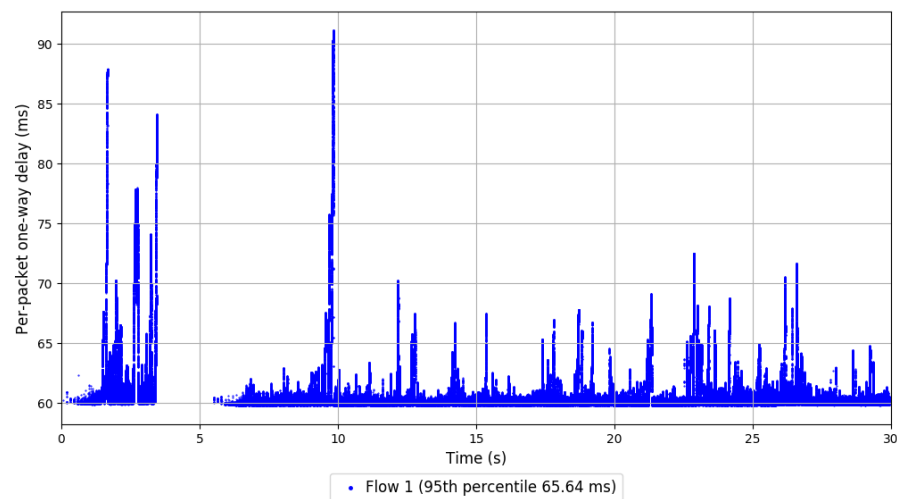
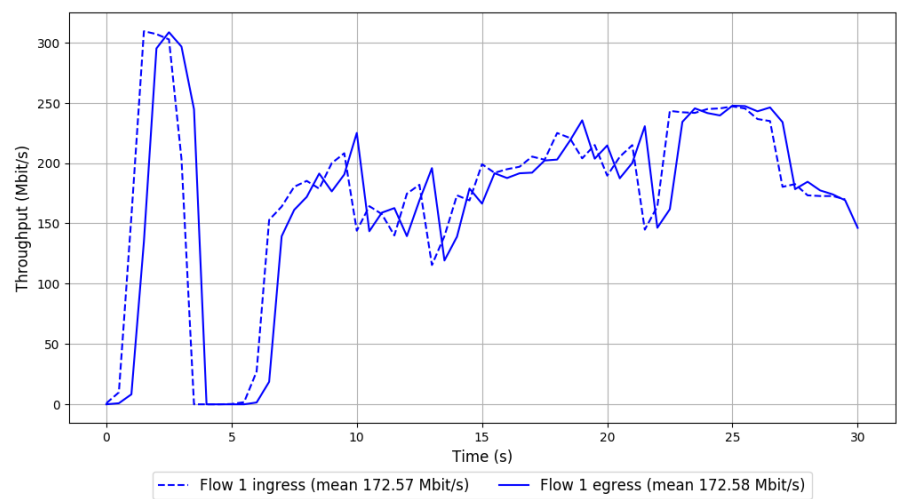
-- Flow 1:

Average throughput: 172.58 Mbit/s

95th percentile per-packet one-way delay: 65.642 ms

Loss rate: 0.41%

Run 9: Report of Copa — Data Link

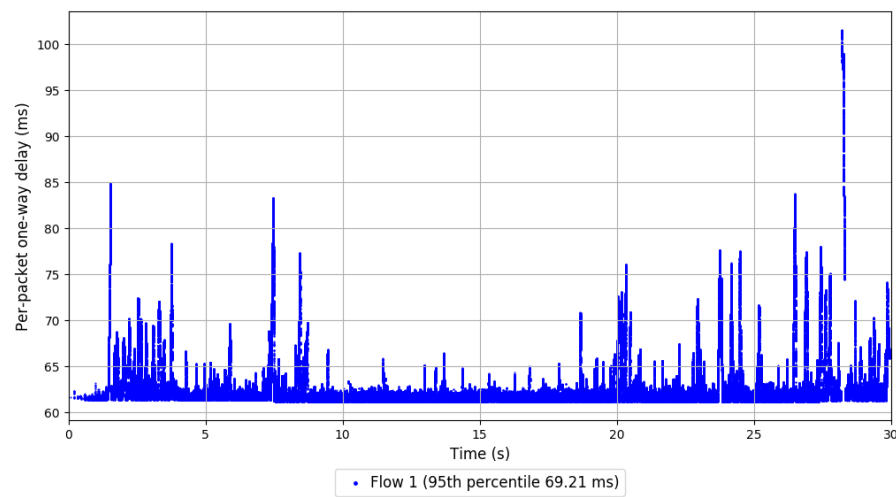
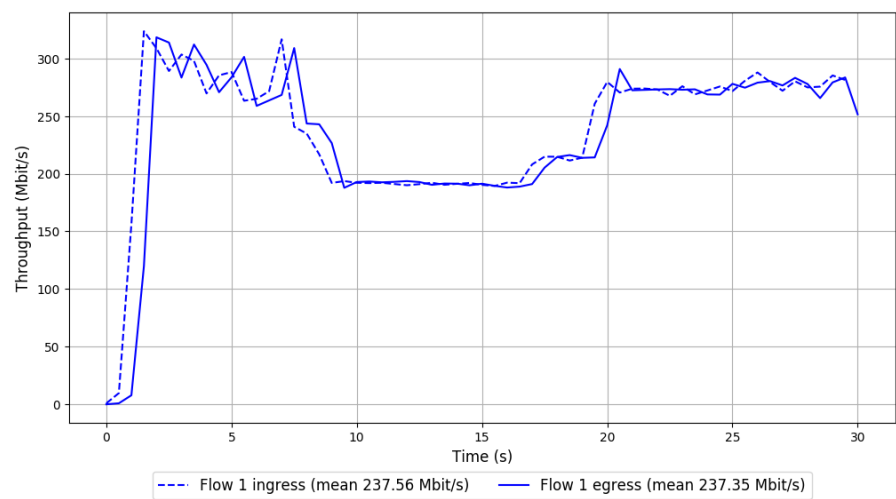


Run 10: Statistics of Copa

Start at: 2018-07-01 01:50:30
End at: 2018-07-01 01:51:00
Local clock offset: -0.046 ms
Remote clock offset: -0.373 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.35 Mbit/s
95th percentile per-packet one-way delay: 69.211 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 237.35 Mbit/s
95th percentile per-packet one-way delay: 69.211 ms
Loss rate: 0.50%

Run 10: Report of Copa — Data Link

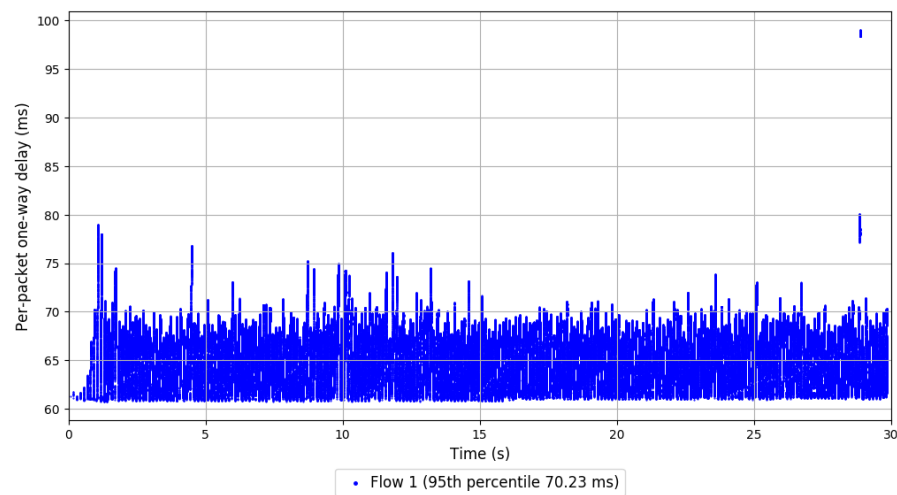
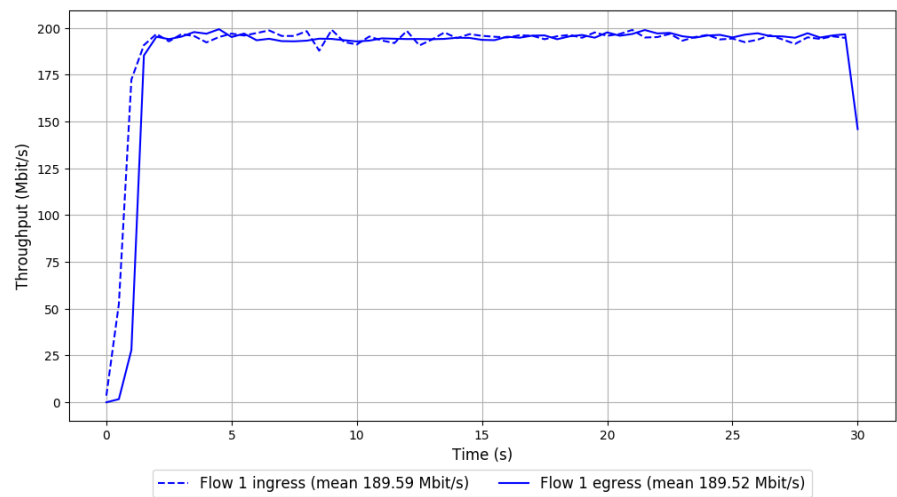


Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 22:46:12
End at: 2018-06-30 22:46:42
Local clock offset: -0.069 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.52 Mbit/s
95th percentile per-packet one-way delay: 70.229 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 189.52 Mbit/s
95th percentile per-packet one-way delay: 70.229 ms
Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link

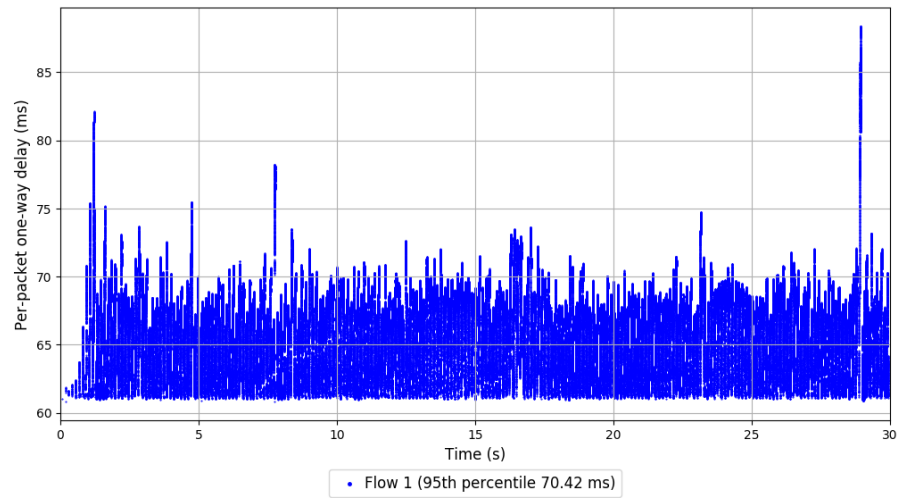
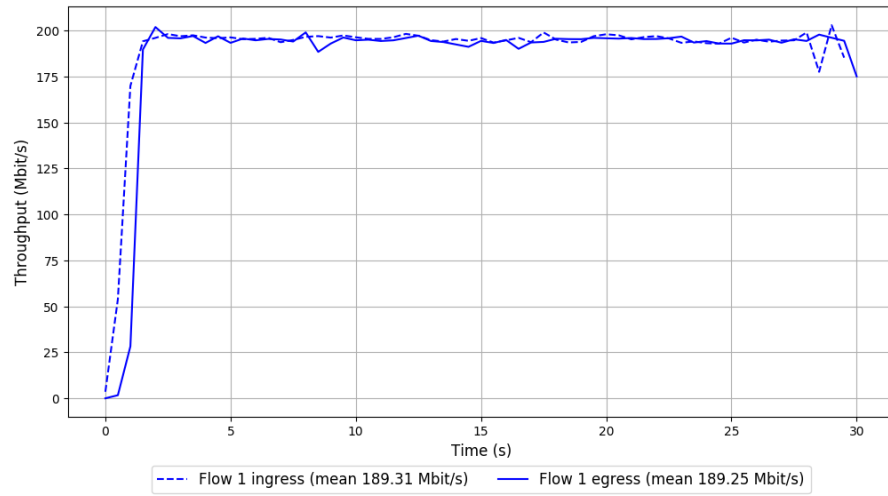


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 23:08:19
End at: 2018-06-30 23:08:49
Local clock offset: -0.032 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.25 Mbit/s
95th percentile per-packet one-way delay: 70.417 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 189.25 Mbit/s
95th percentile per-packet one-way delay: 70.417 ms
Loss rate: 0.44%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 23:30:13

End at: 2018-06-30 23:30:43

Local clock offset: -0.003 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-01 02:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.15 Mbit/s

95th percentile per-packet one-way delay: 71.817 ms

Loss rate: 0.43%

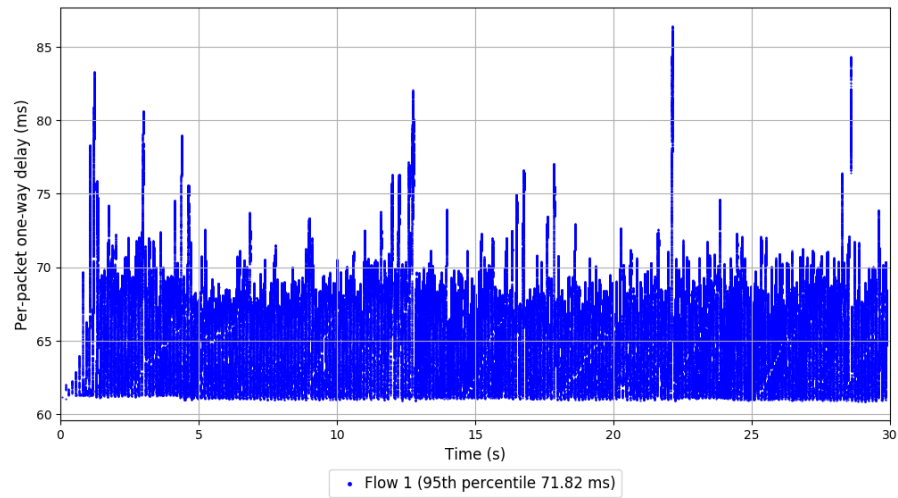
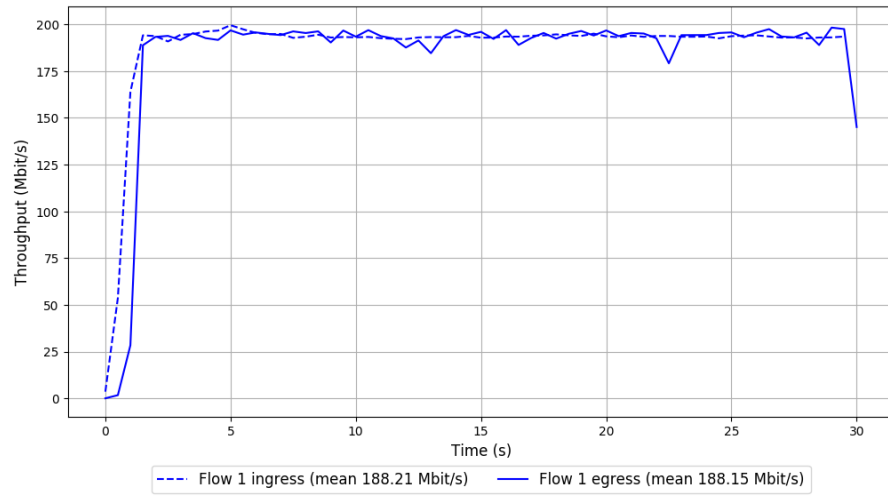
-- Flow 1:

Average throughput: 188.15 Mbit/s

95th percentile per-packet one-way delay: 71.817 ms

Loss rate: 0.43%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 23:52:15

End at: 2018-06-30 23:52:45

Local clock offset: 0.02 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-01 02:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 70.988 ms

Loss rate: 0.43%

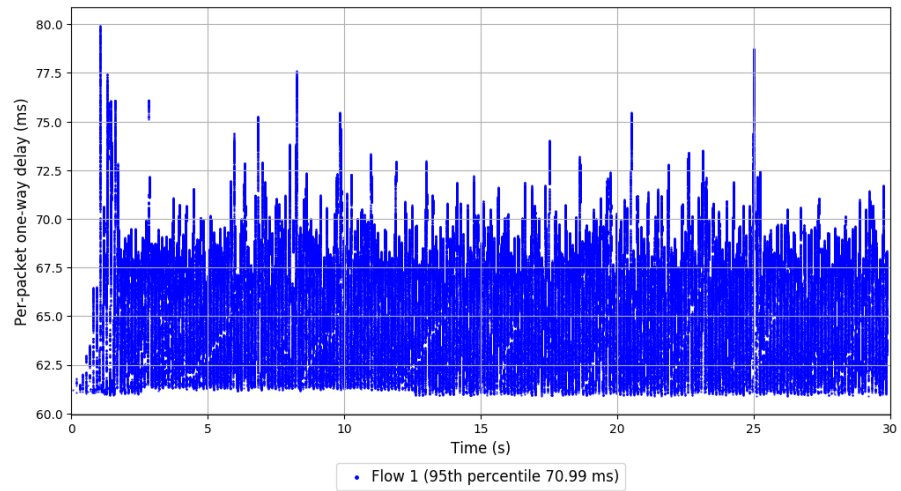
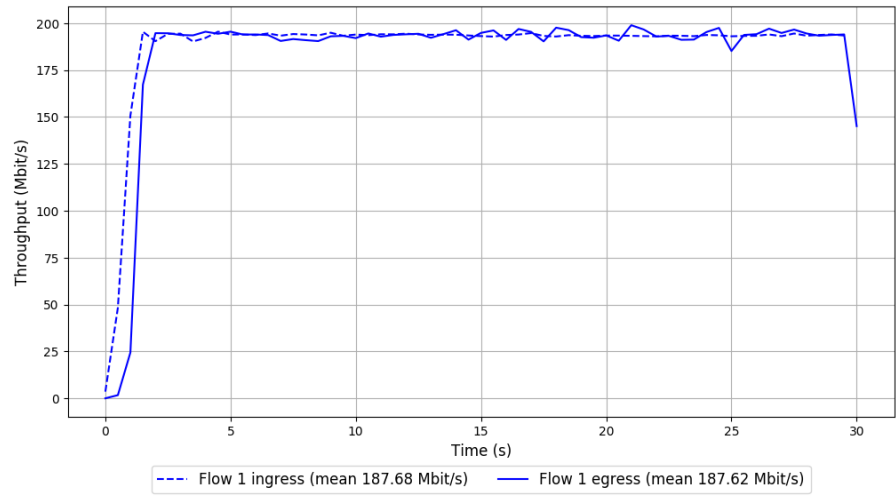
-- Flow 1:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 70.988 ms

Loss rate: 0.43%

Run 4: Report of TCP Cubic — Data Link

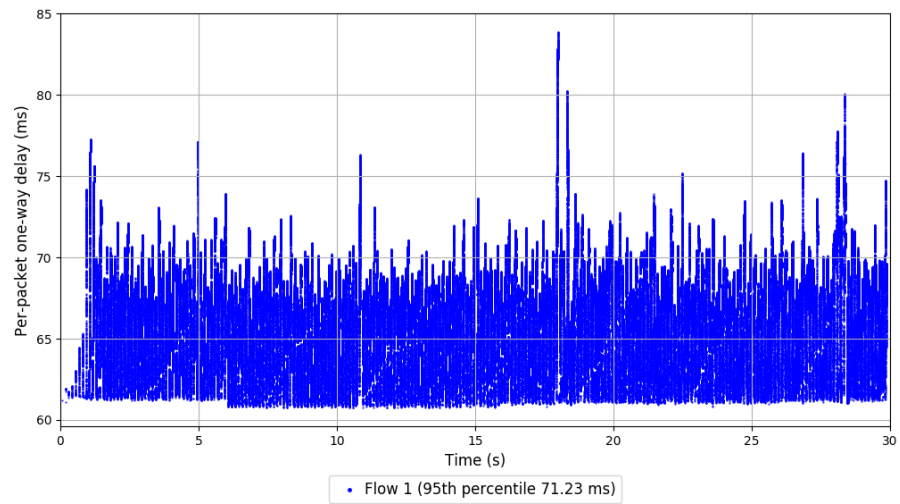
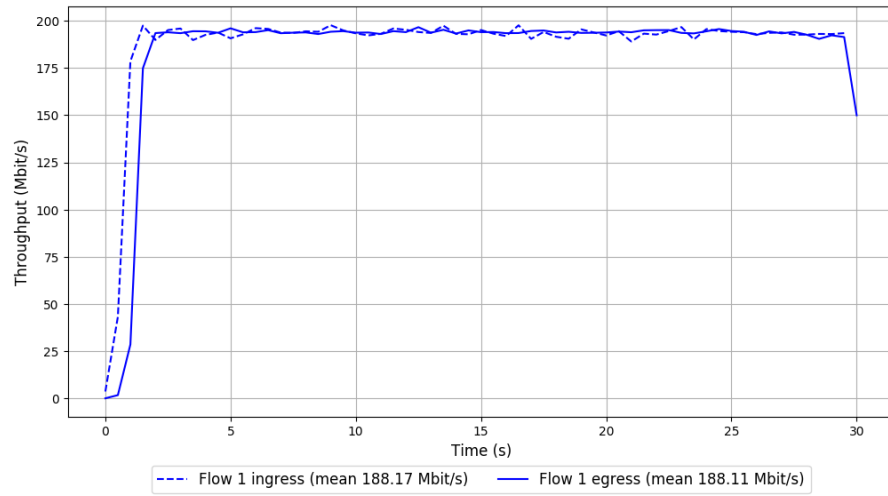


Run 5: Statistics of TCP Cubic

Start at: 2018-07-01 00:14:02
End at: 2018-07-01 00:14:32
Local clock offset: -0.034 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.11 Mbit/s
95th percentile per-packet one-way delay: 71.234 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 188.11 Mbit/s
95th percentile per-packet one-way delay: 71.234 ms
Loss rate: 0.43%

Run 5: Report of TCP Cubic — Data Link

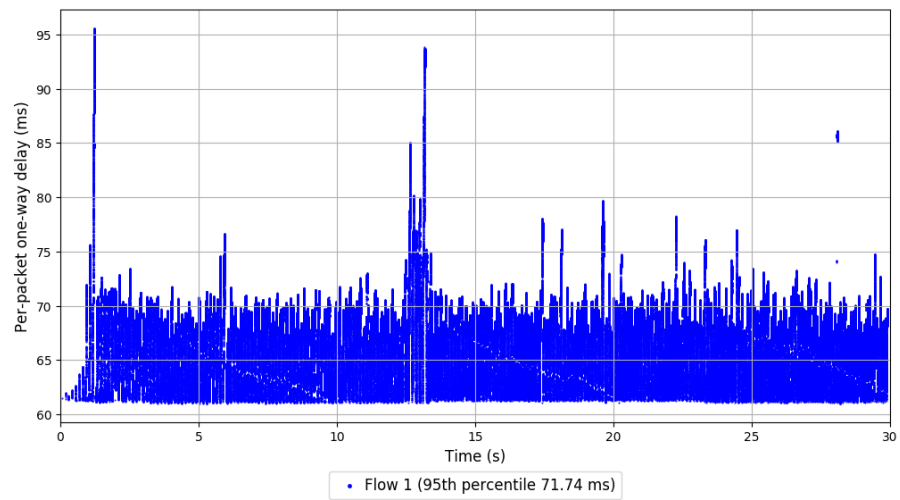
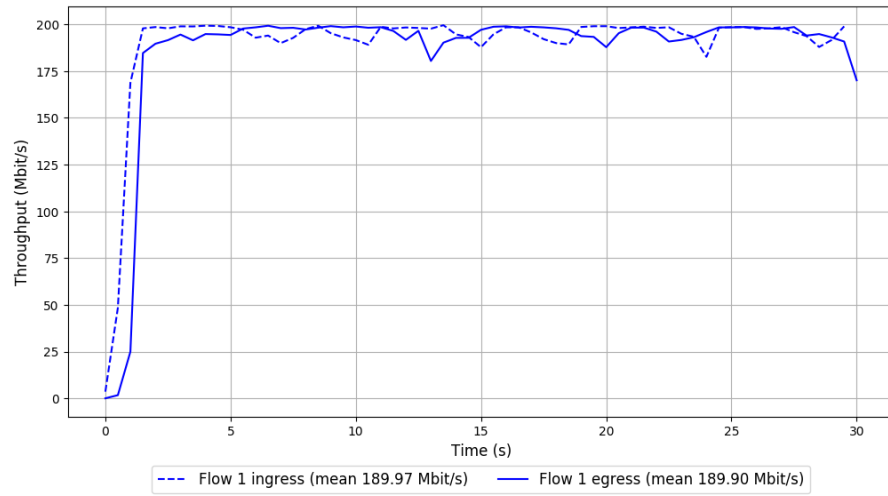


Run 6: Statistics of TCP Cubic

Start at: 2018-07-01 00:35:54
End at: 2018-07-01 00:36:24
Local clock offset: -0.031 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.90 Mbit/s
95th percentile per-packet one-way delay: 71.737 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 189.90 Mbit/s
95th percentile per-packet one-way delay: 71.737 ms
Loss rate: 0.44%

Run 6: Report of TCP Cubic — Data Link

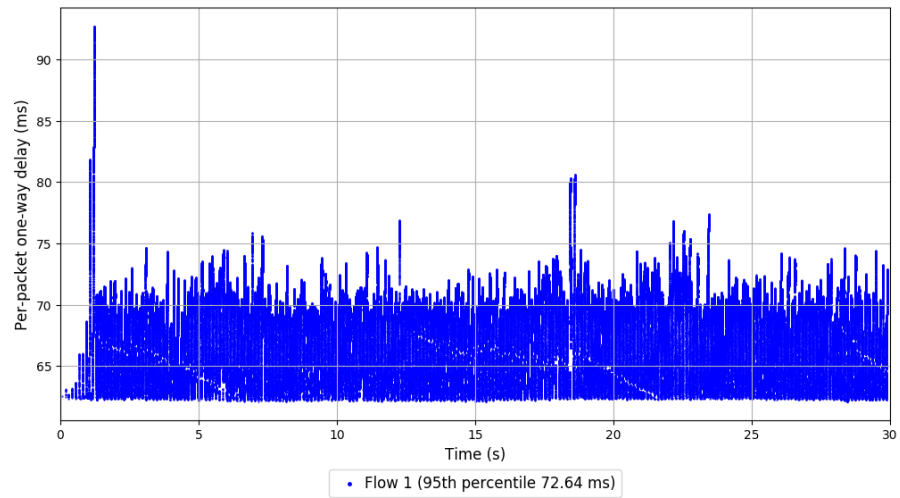
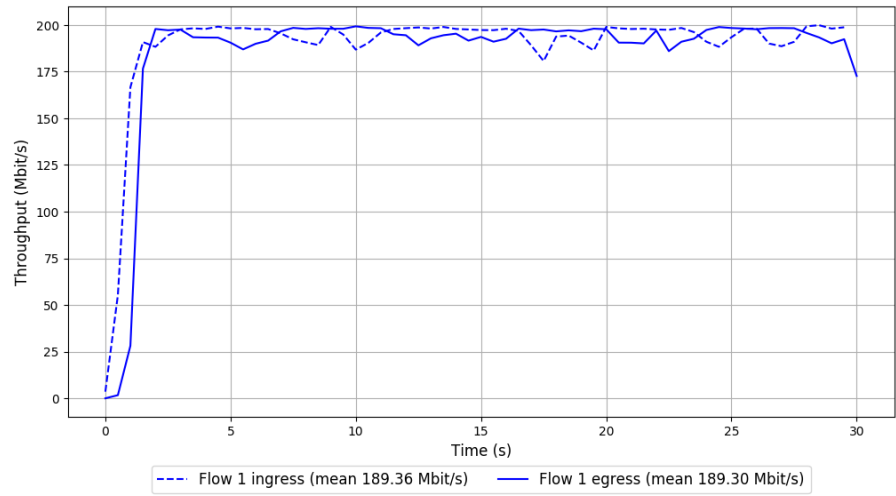


Run 7: Statistics of TCP Cubic

Start at: 2018-07-01 00:57:52
End at: 2018-07-01 00:58:22
Local clock offset: -0.027 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.30 Mbit/s
95th percentile per-packet one-way delay: 72.640 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 189.30 Mbit/s
95th percentile per-packet one-way delay: 72.640 ms
Loss rate: 0.44%

Run 7: Report of TCP Cubic — Data Link

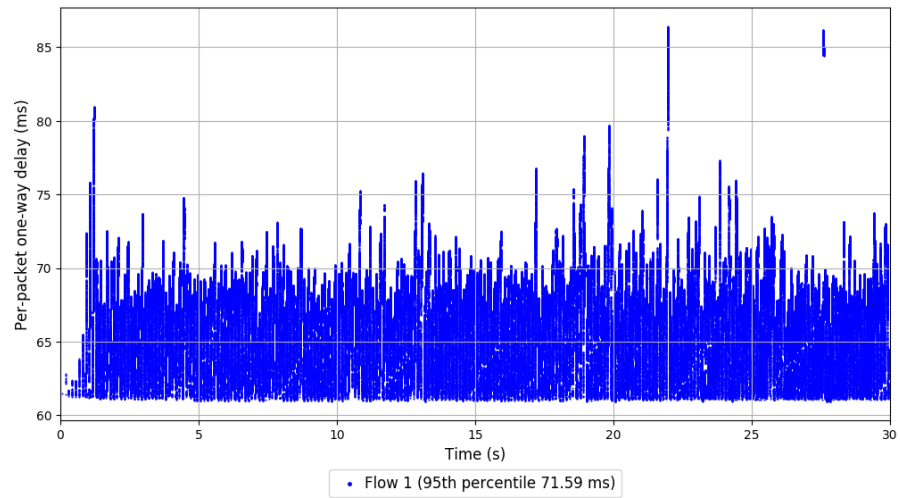
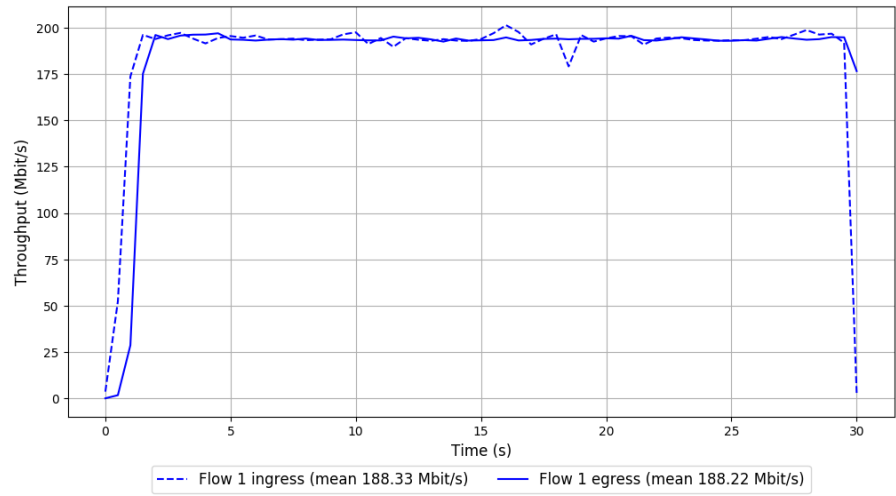


Run 8: Statistics of TCP Cubic

Start at: 2018-07-01 01:19:43
End at: 2018-07-01 01:20:13
Local clock offset: -0.038 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-07-01 02:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.22 Mbit/s
95th percentile per-packet one-way delay: 71.591 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 188.22 Mbit/s
95th percentile per-packet one-way delay: 71.591 ms
Loss rate: 0.47%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-01 01:41:29

End at: 2018-07-01 01:41:59

Local clock offset: -0.068 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2018-07-01 02:35:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.59 Mbit/s

95th percentile per-packet one-way delay: 70.549 ms

Loss rate: 0.46%

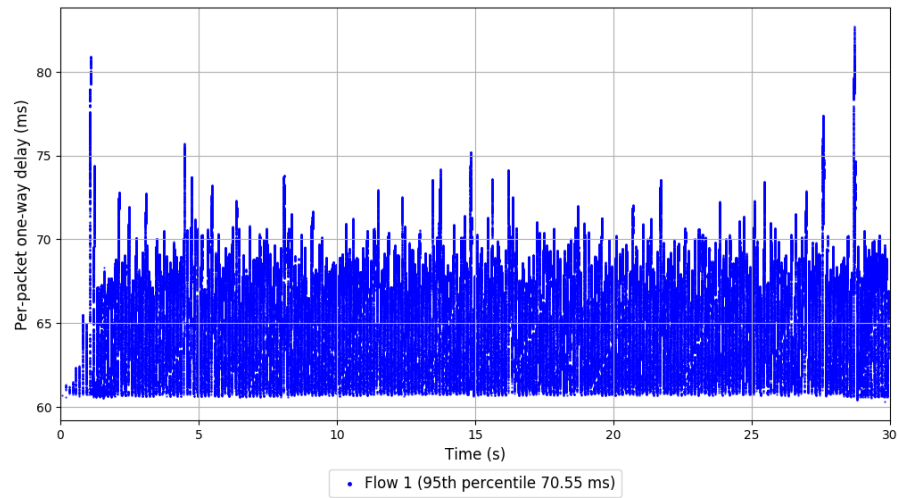
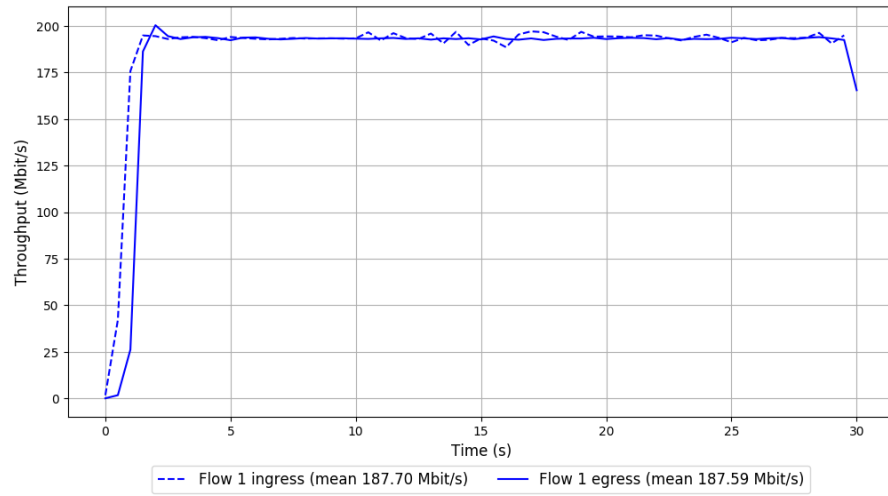
-- Flow 1:

Average throughput: 187.59 Mbit/s

95th percentile per-packet one-way delay: 70.549 ms

Loss rate: 0.46%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-01 02:03:24

End at: 2018-07-01 02:03:54

Local clock offset: -0.026 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-01 02:35:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.92 Mbit/s

95th percentile per-packet one-way delay: 70.015 ms

Loss rate: 0.56%

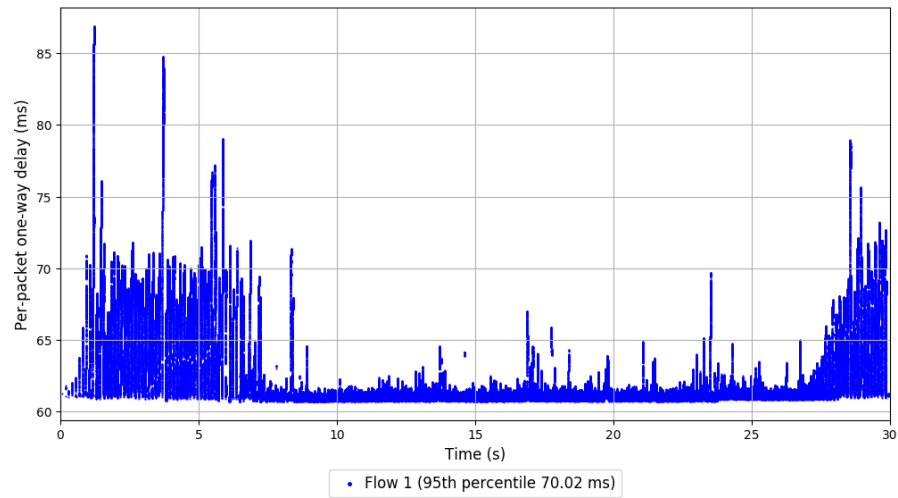
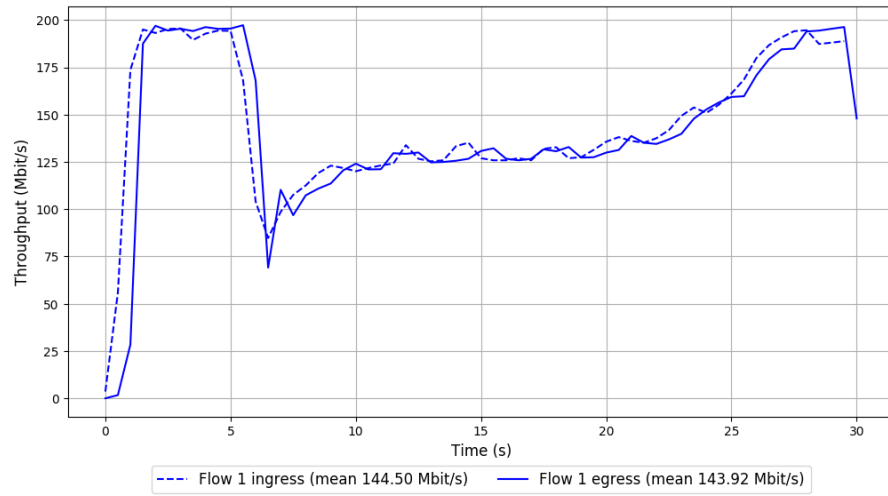
-- Flow 1:

Average throughput: 143.92 Mbit/s

95th percentile per-packet one-way delay: 70.015 ms

Loss rate: 0.56%

Run 10: Report of TCP Cubic — Data Link

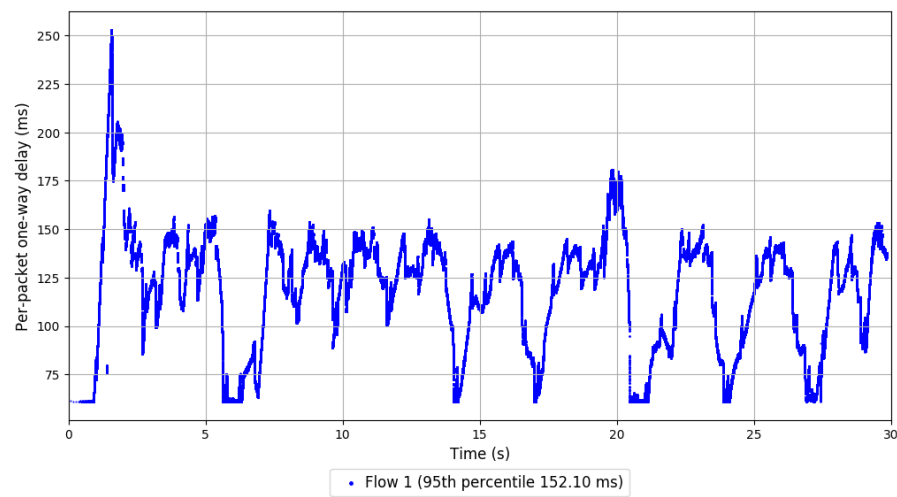
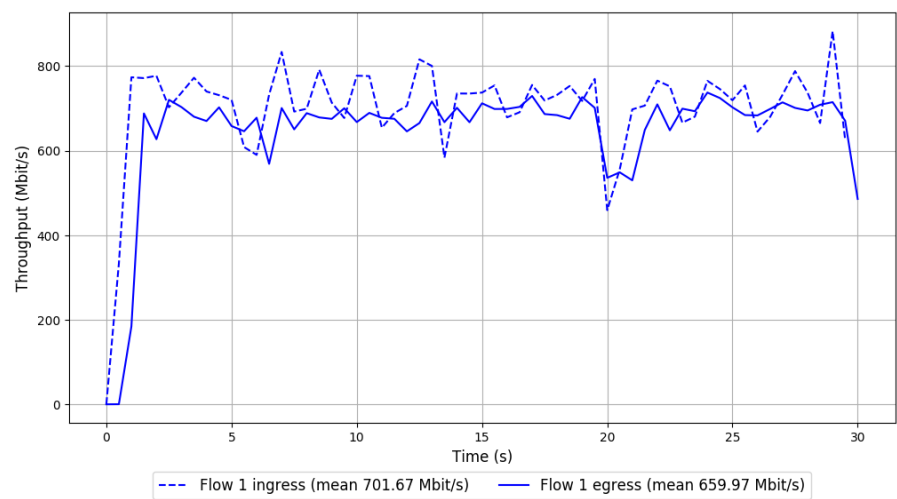


Run 1: Statistics of FillP

Start at: 2018-06-30 22:35:51
End at: 2018-06-30 22:36:21
Local clock offset: -0.052 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-01 02:51:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 659.97 Mbit/s
95th percentile per-packet one-way delay: 152.104 ms
Loss rate: 6.33%
-- Flow 1:
Average throughput: 659.97 Mbit/s
95th percentile per-packet one-way delay: 152.104 ms
Loss rate: 6.33%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-30 22:57:58

End at: 2018-06-30 22:58:28

Local clock offset: -0.052 ms

Remote clock offset: 1.223 ms

Below is generated by plot.py at 2018-07-01 02:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 717.81 Mbit/s

95th percentile per-packet one-way delay: 166.888 ms

Loss rate: 5.67%

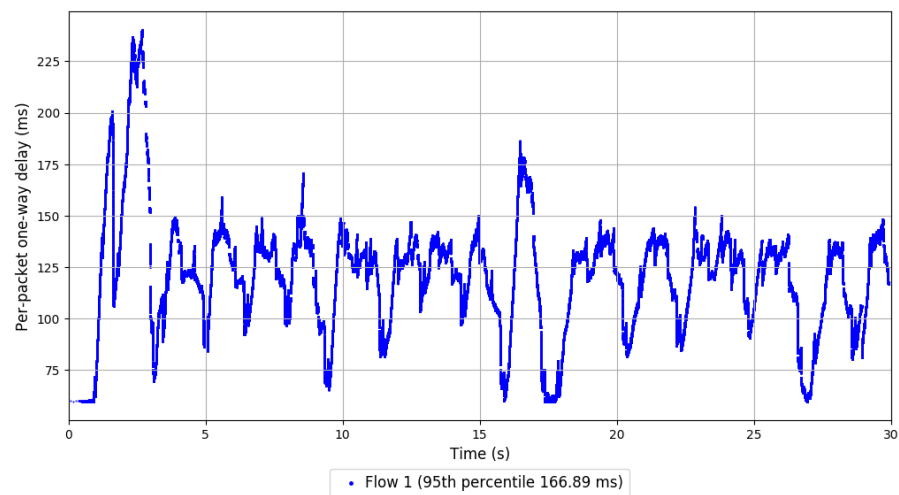
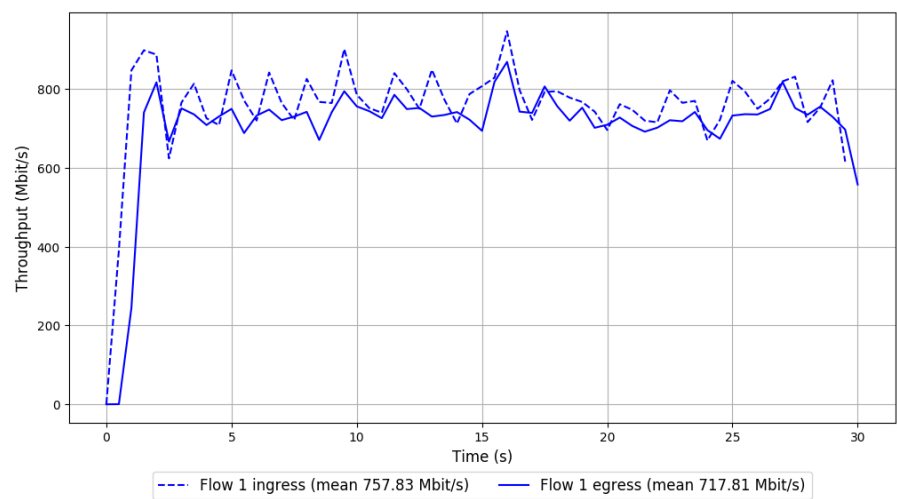
-- Flow 1:

Average throughput: 717.81 Mbit/s

95th percentile per-packet one-way delay: 166.888 ms

Loss rate: 5.67%

Run 2: Report of FillP — Data Link

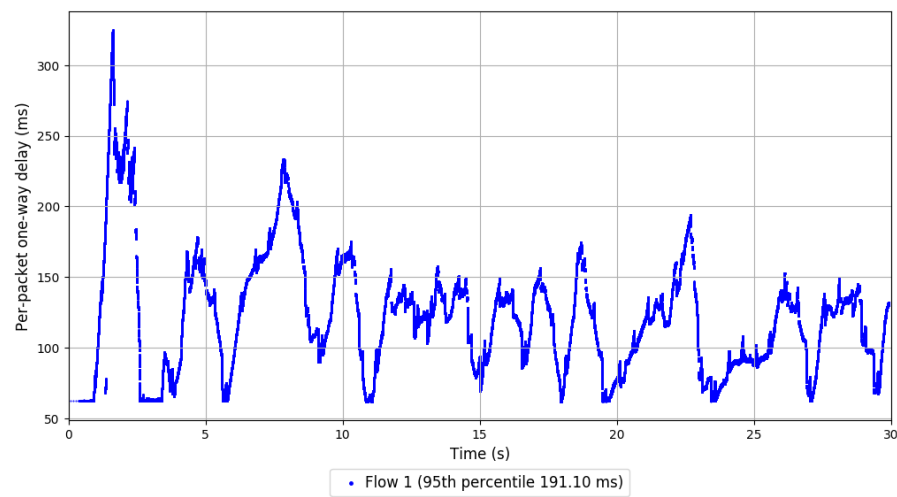
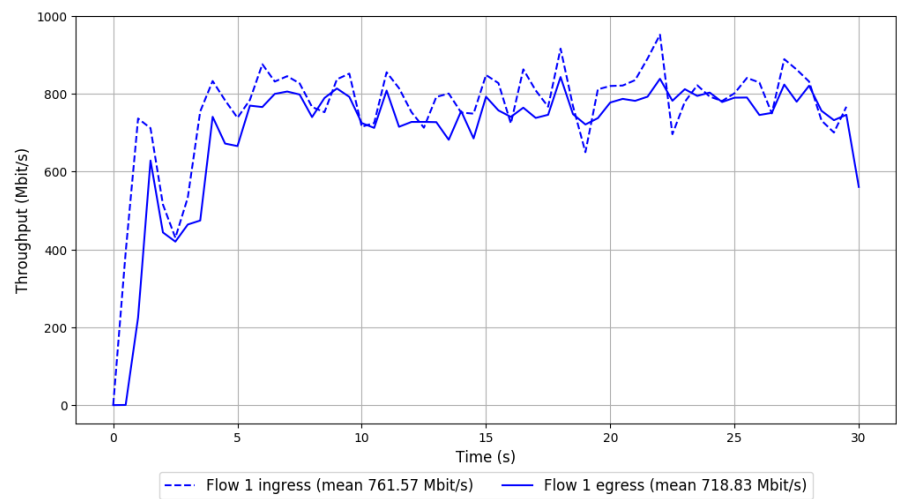


Run 3: Statistics of FillP

Start at: 2018-06-30 23:19:59
End at: 2018-06-30 23:20:29
Local clock offset: 0.025 ms
Remote clock offset: -1.096 ms

Below is generated by plot.py at 2018-07-01 02:52:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 718.83 Mbit/s
95th percentile per-packet one-way delay: 191.099 ms
Loss rate: 6.00%
-- Flow 1:
Average throughput: 718.83 Mbit/s
95th percentile per-packet one-way delay: 191.099 ms
Loss rate: 6.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-30 23:41:55

End at: 2018-06-30 23:42:25

Local clock offset: -0.011 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-07-01 02:53:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 778.28 Mbit/s

95th percentile per-packet one-way delay: 180.621 ms

Loss rate: 4.25%

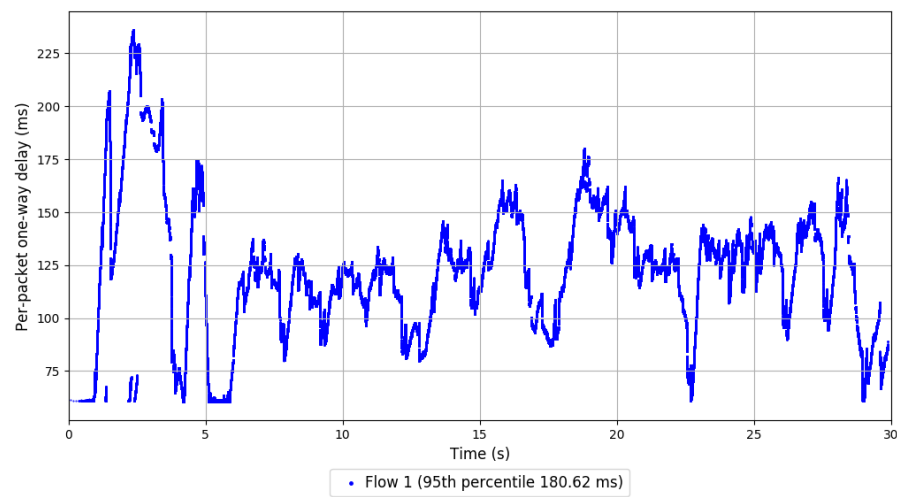
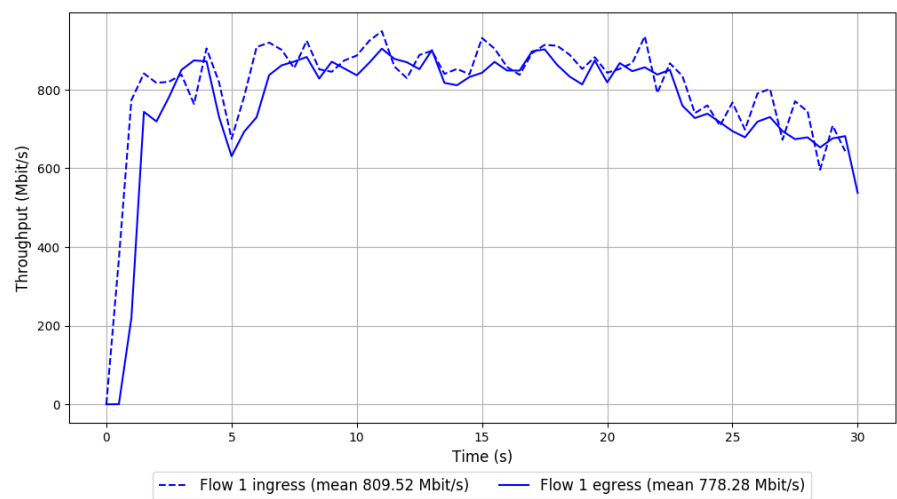
-- Flow 1:

Average throughput: 778.28 Mbit/s

95th percentile per-packet one-way delay: 180.621 ms

Loss rate: 4.25%

Run 4: Report of FillP — Data Link

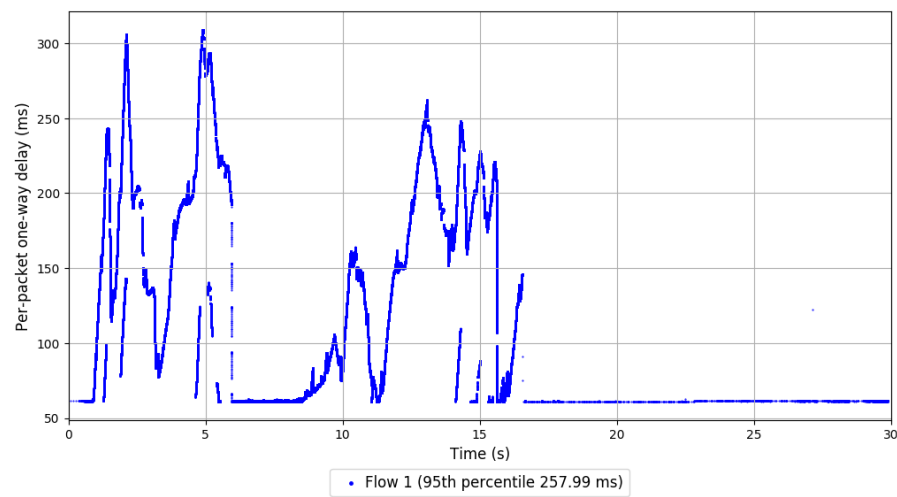
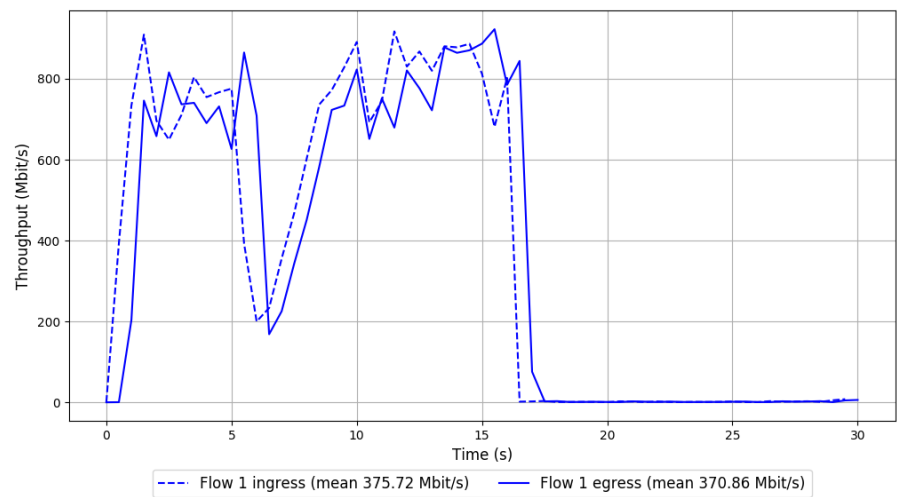


Run 5: Statistics of FillP

Start at: 2018-07-01 00:04:05
End at: 2018-07-01 00:04:35
Local clock offset: -0.007 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-01 02:53:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.86 Mbit/s
95th percentile per-packet one-way delay: 257.985 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 370.86 Mbit/s
95th percentile per-packet one-way delay: 257.985 ms
Loss rate: 1.73%

Run 5: Report of FillP — Data Link

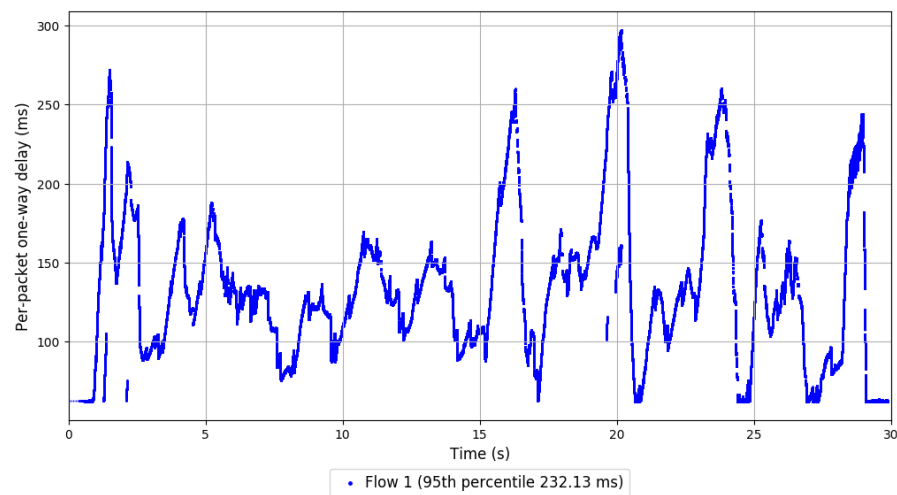
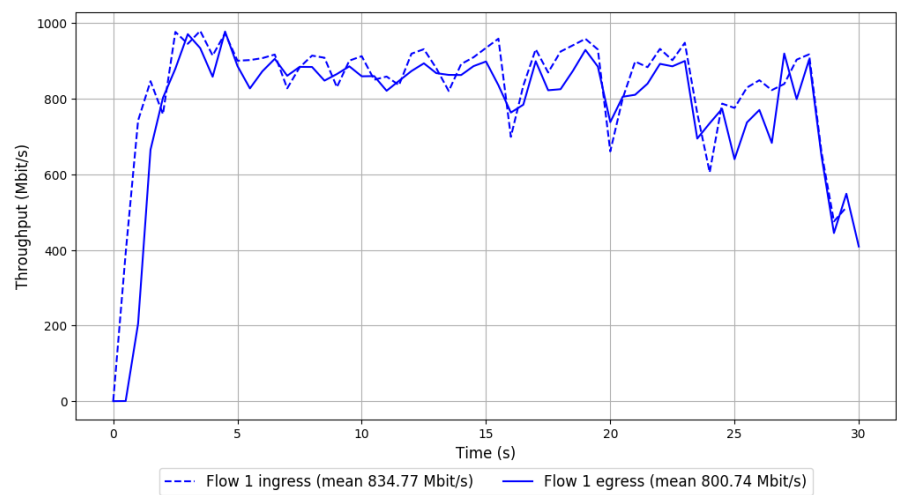


Run 6: Statistics of FillP

Start at: 2018-07-01 00:25:37
End at: 2018-07-01 00:26:07
Local clock offset: -0.027 ms
Remote clock offset: -1.548 ms

Below is generated by plot.py at 2018-07-01 02:55:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 800.74 Mbit/s
95th percentile per-packet one-way delay: 232.128 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 800.74 Mbit/s
95th percentile per-packet one-way delay: 232.128 ms
Loss rate: 4.47%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-01 00:47:35

End at: 2018-07-01 00:48:05

Local clock offset: -0.029 ms

Remote clock offset: 1.065 ms

Below is generated by plot.py at 2018-07-01 02:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.39 Mbit/s

95th percentile per-packet one-way delay: 246.837 ms

Loss rate: 4.64%

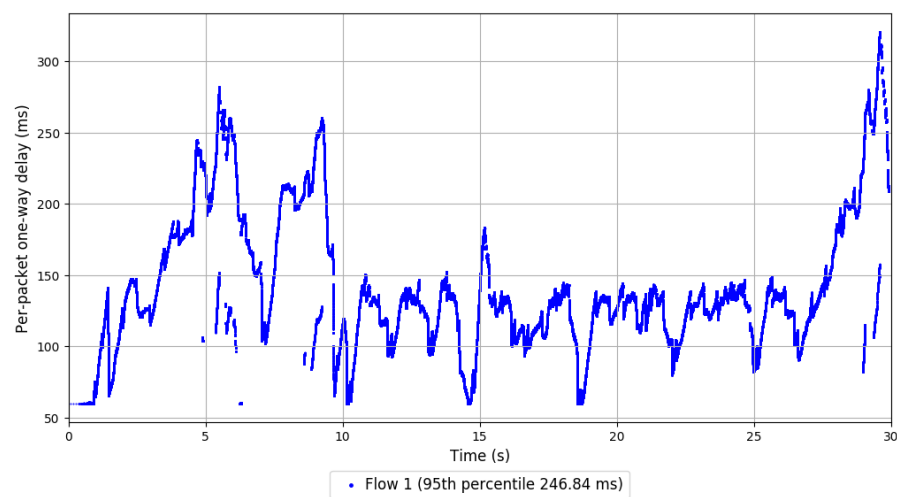
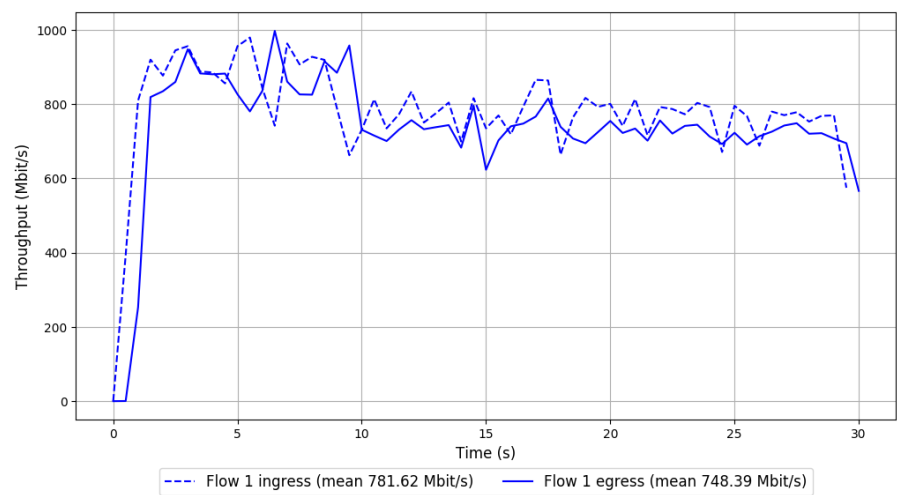
-- Flow 1:

Average throughput: 748.39 Mbit/s

95th percentile per-packet one-way delay: 246.837 ms

Loss rate: 4.64%

Run 7: Report of FillP — Data Link

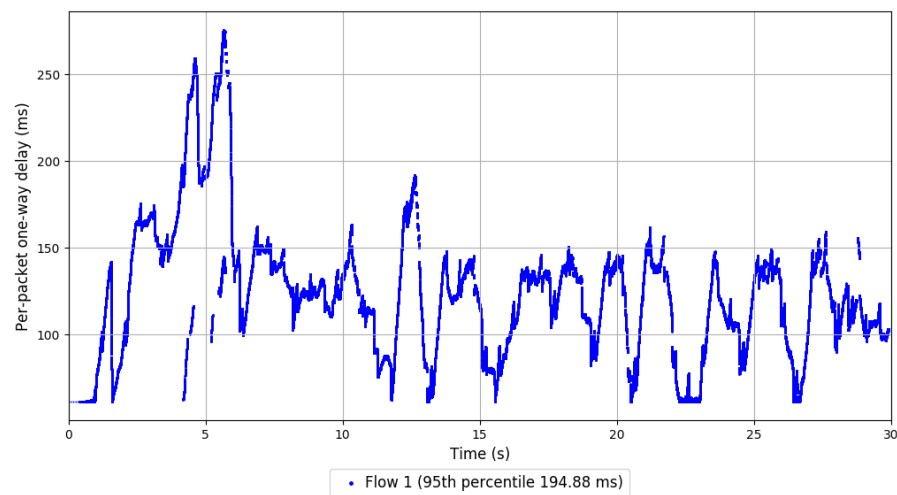
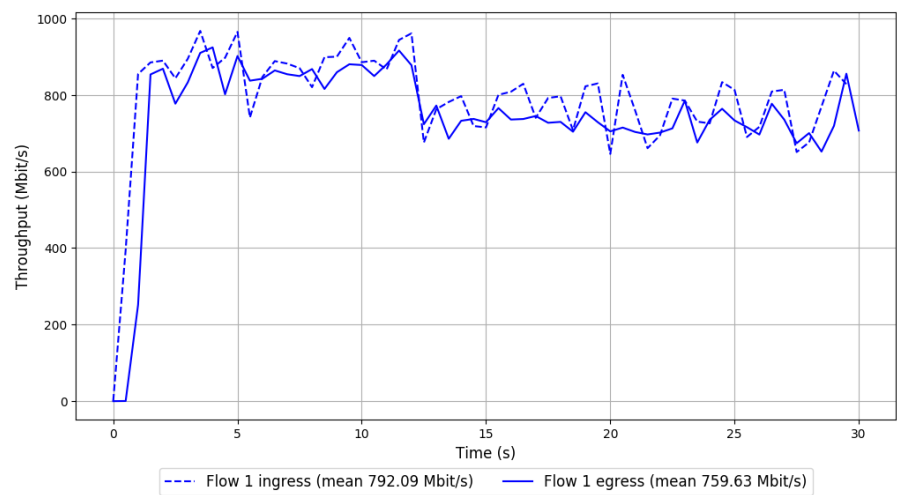


Run 8: Statistics of FillP

Start at: 2018-07-01 01:09:34
End at: 2018-07-01 01:10:04
Local clock offset: 0.023 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-01 02:55:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 759.63 Mbit/s
95th percentile per-packet one-way delay: 194.884 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 759.63 Mbit/s
95th percentile per-packet one-way delay: 194.884 ms
Loss rate: 4.49%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-01 01:31:18

End at: 2018-07-01 01:31:48

Local clock offset: -0.055 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-01 03:02:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 731.81 Mbit/s

95th percentile per-packet one-way delay: 235.844 ms

Loss rate: 5.12%

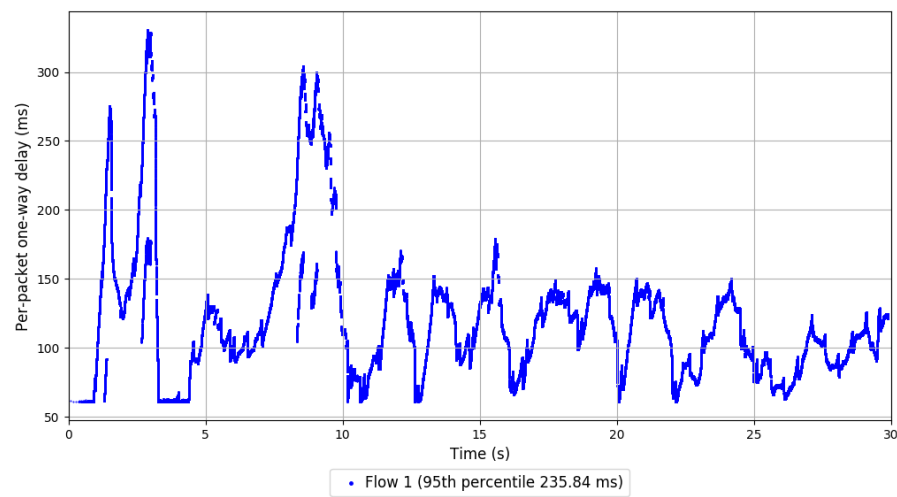
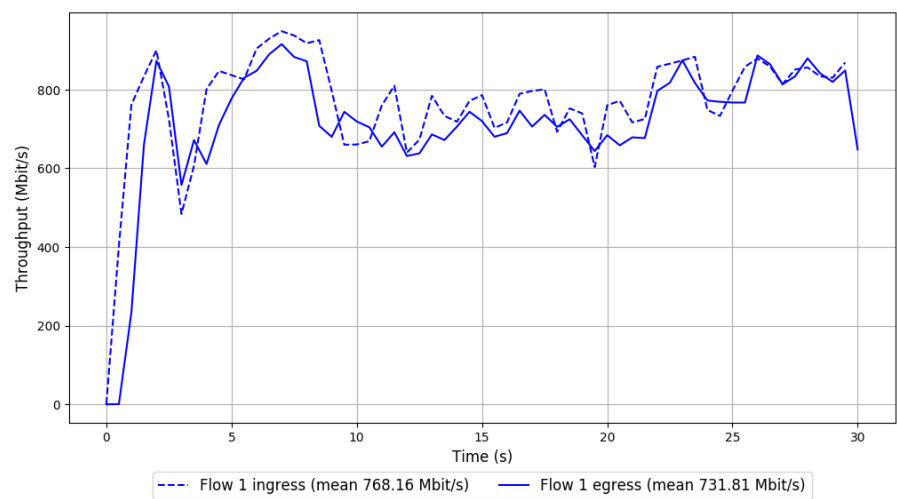
-- Flow 1:

Average throughput: 731.81 Mbit/s

95th percentile per-packet one-way delay: 235.844 ms

Loss rate: 5.12%

Run 9: Report of FillP — Data Link

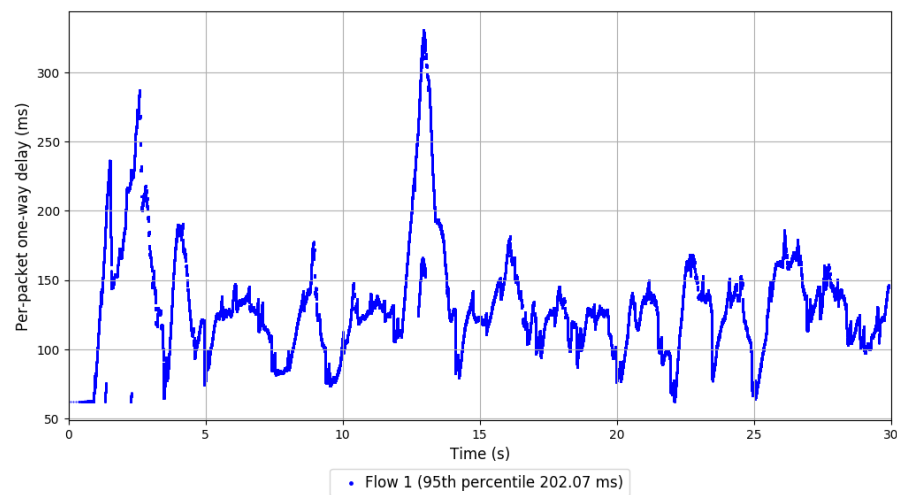
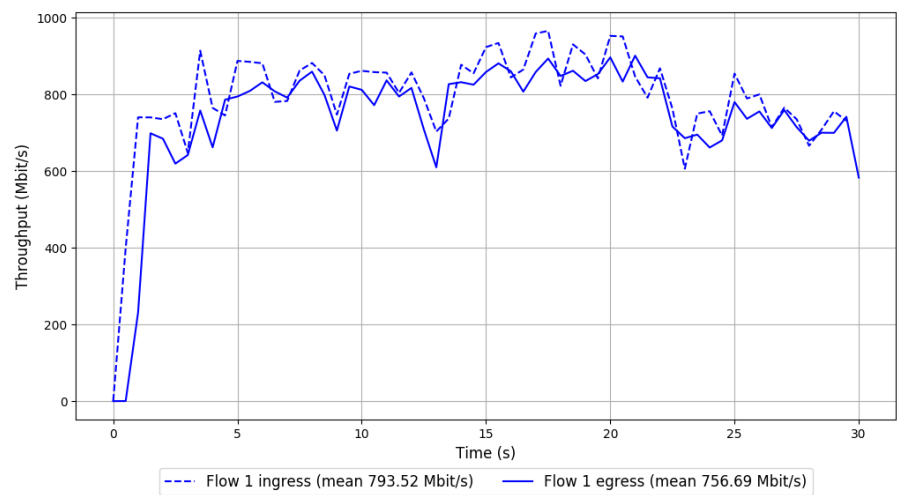


Run 10: Statistics of FillP

Start at: 2018-07-01 01:53:13
End at: 2018-07-01 01:53:43
Local clock offset: -0.029 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 756.69 Mbit/s
95th percentile per-packet one-way delay: 202.070 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 756.69 Mbit/s
95th percentile per-packet one-way delay: 202.070 ms
Loss rate: 5.03%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

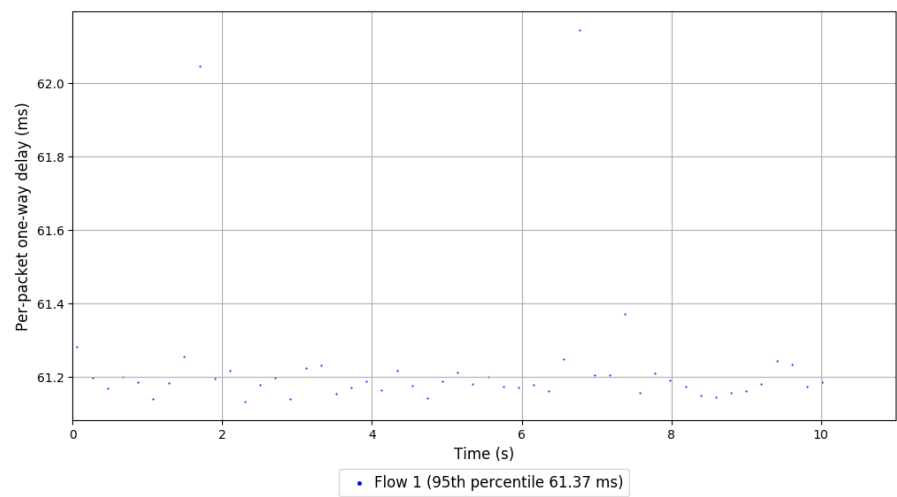
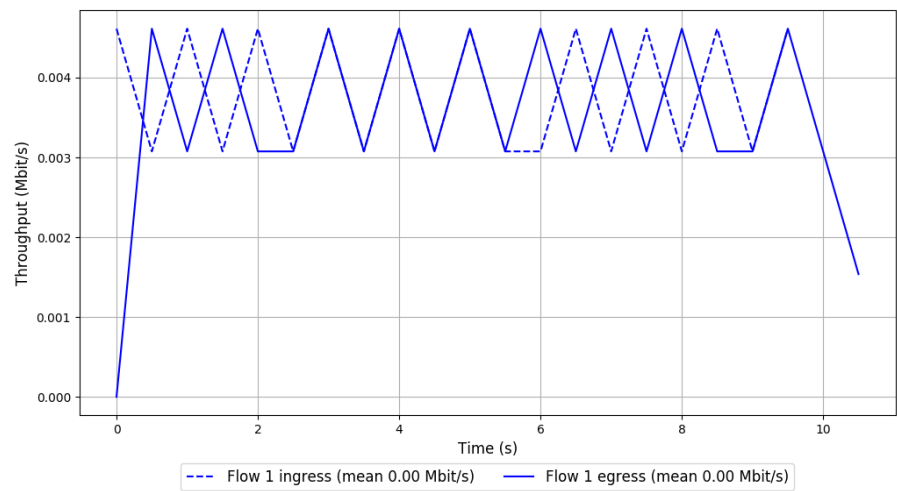
Start at: 2018-06-30 22:37:25

End at: 2018-06-30 22:37:55

Local clock offset: -0.054 ms

Remote clock offset: -0.091 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

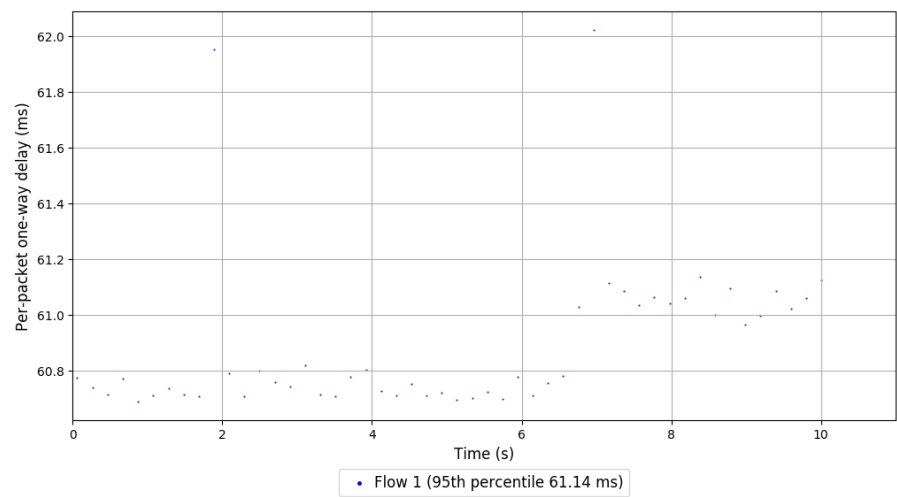
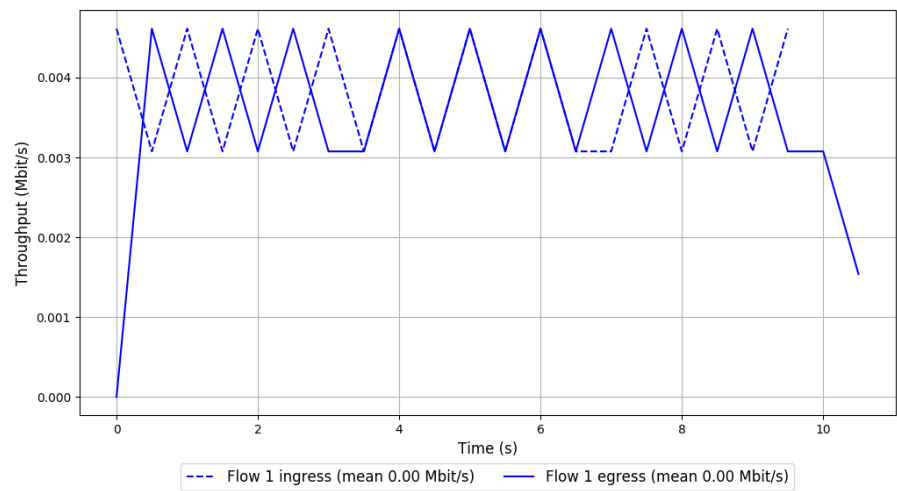
Start at: 2018-06-30 22:59:38

End at: 2018-06-30 23:00:08

Local clock offset: -0.055 ms

Remote clock offset: 0.174 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

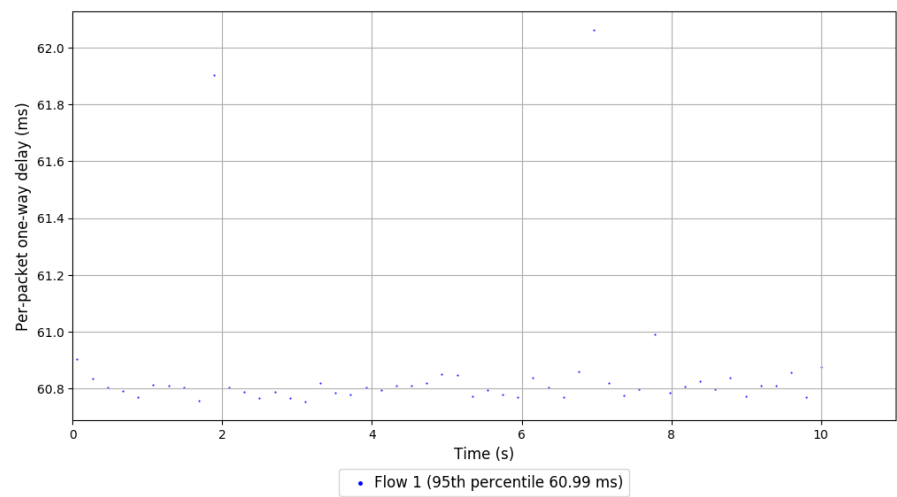
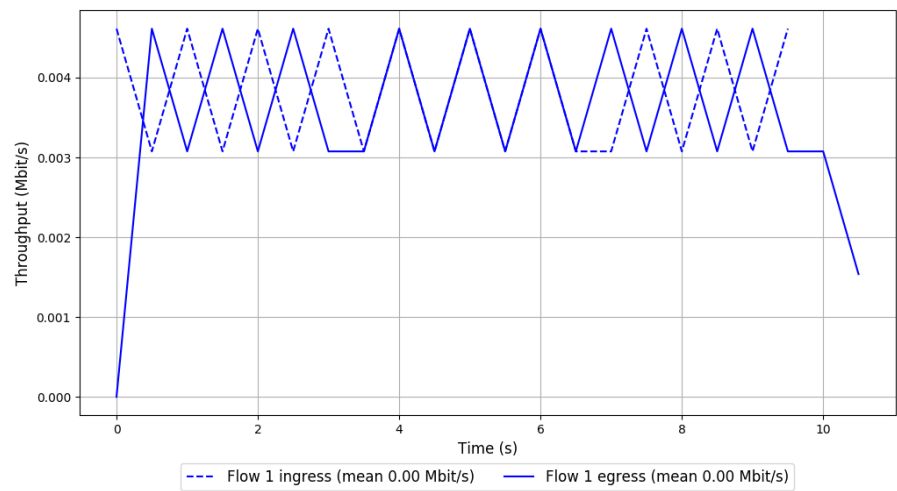
Start at: 2018-06-30 23:21:36

End at: 2018-06-30 23:22:06

Local clock offset: -0.02 ms

Remote clock offset: 0.155 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

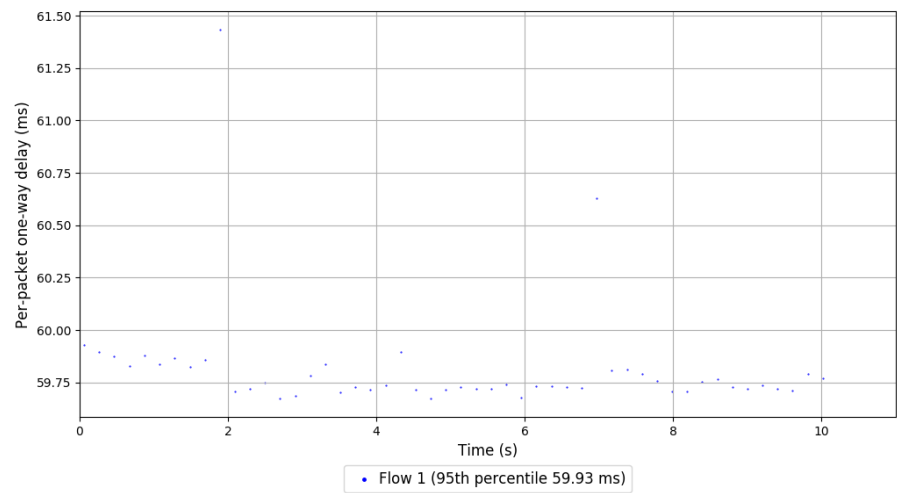
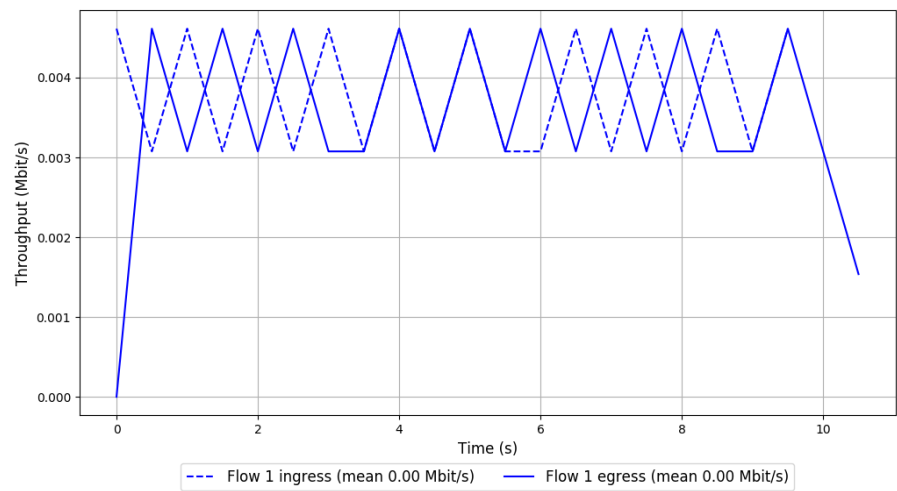
Start at: 2018-06-30 23:43:33

End at: 2018-06-30 23:44:03

Local clock offset: 0.028 ms

Remote clock offset: 1.318 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

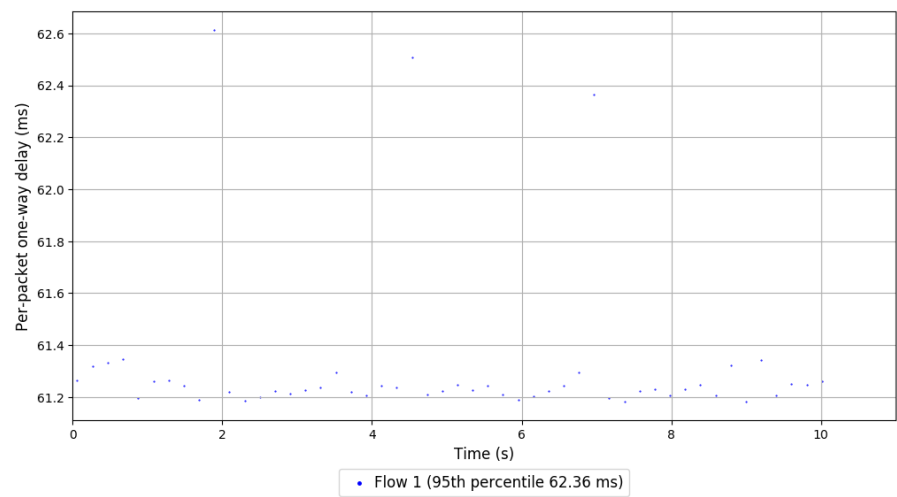
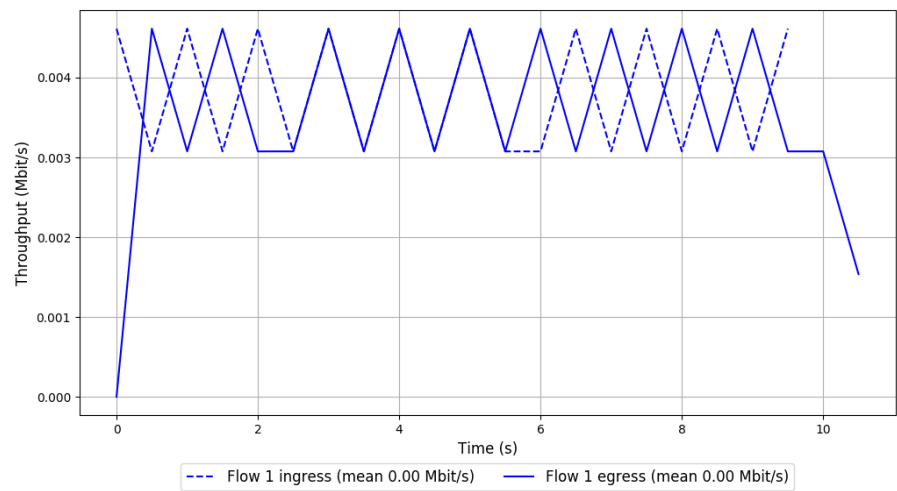
Start at: 2018-07-01 00:05:26

End at: 2018-07-01 00:05:56

Local clock offset: -0.012 ms

Remote clock offset: -0.029 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

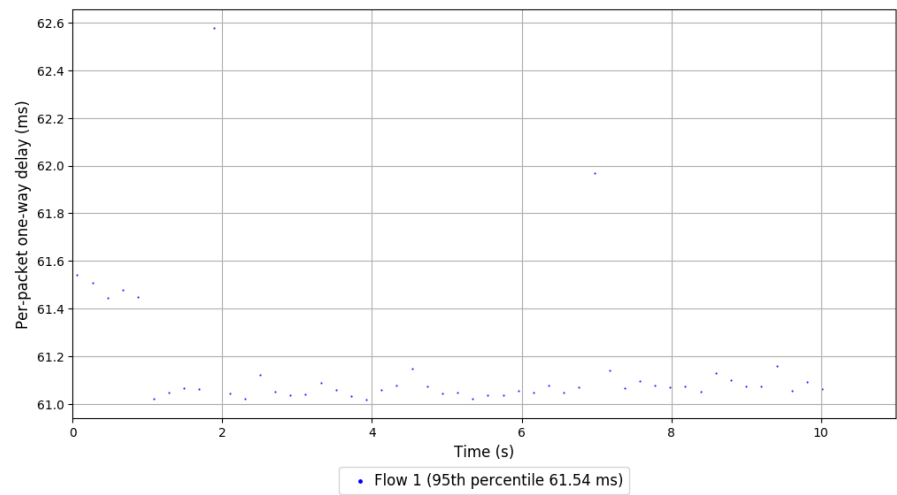
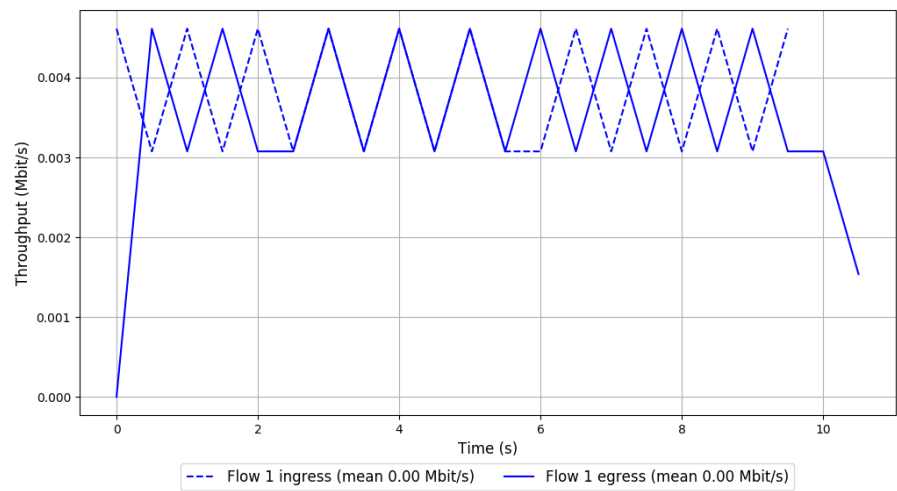
Start at: 2018-07-01 00:27:17

End at: 2018-07-01 00:27:47

Local clock offset: -0.046 ms

Remote clock offset: -0.238 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

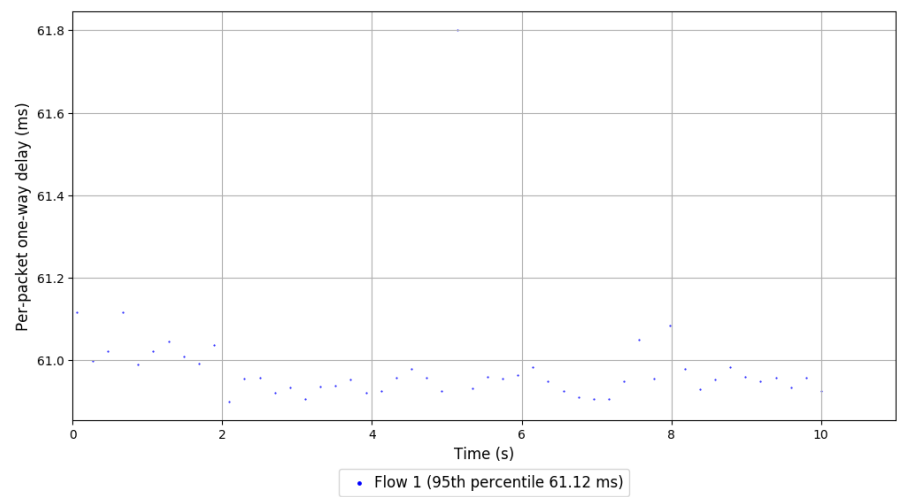
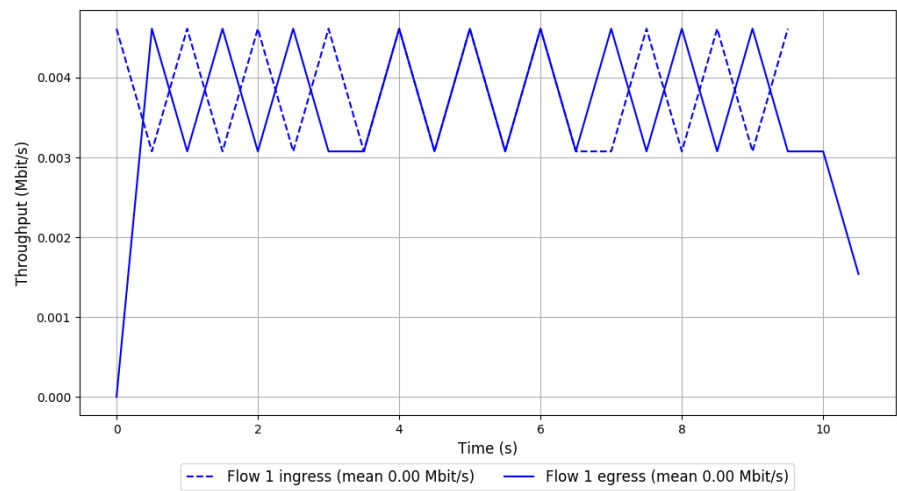
Start at: 2018-07-01 00:49:13

End at: 2018-07-01 00:49:43

Local clock offset: -0.036 ms

Remote clock offset: 0.093 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

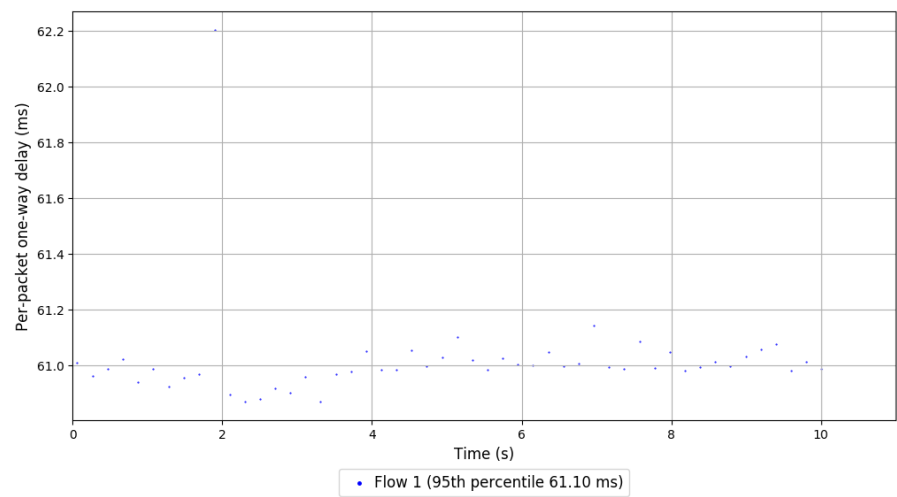
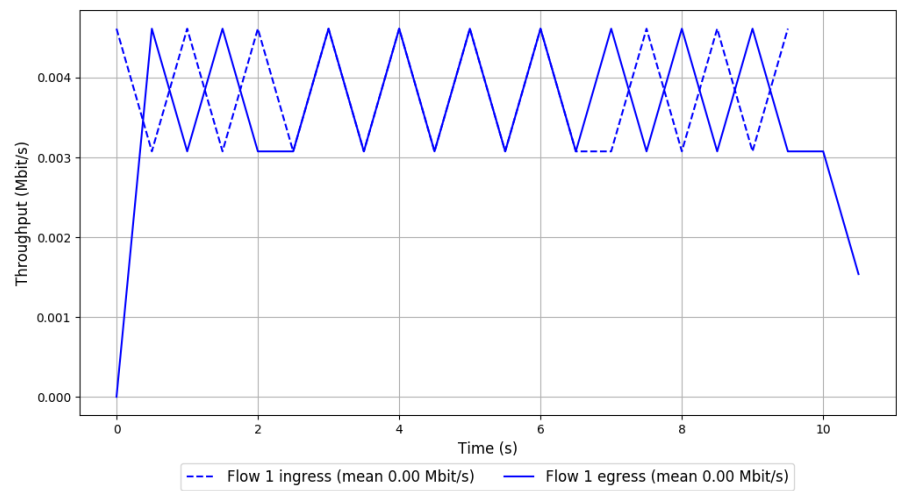
Start at: 2018-07-01 01:11:11

End at: 2018-07-01 01:11:41

Local clock offset: -0.097 ms

Remote clock offset: -0.059 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

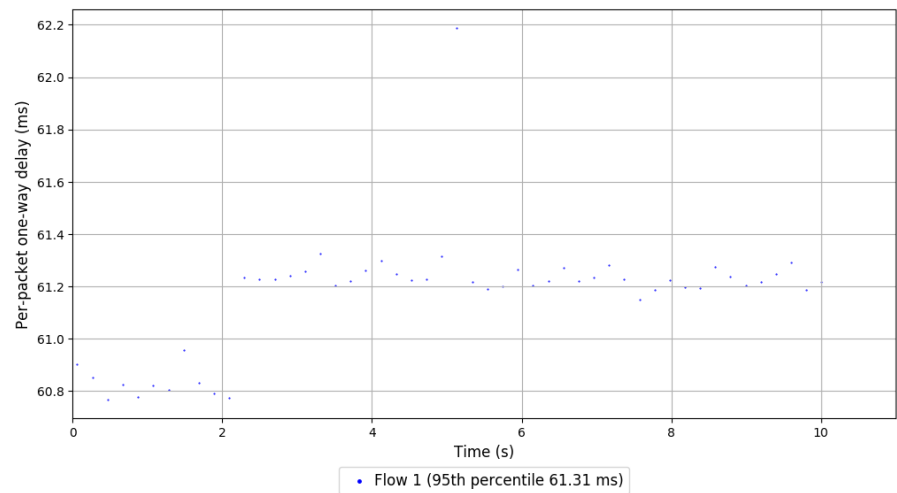
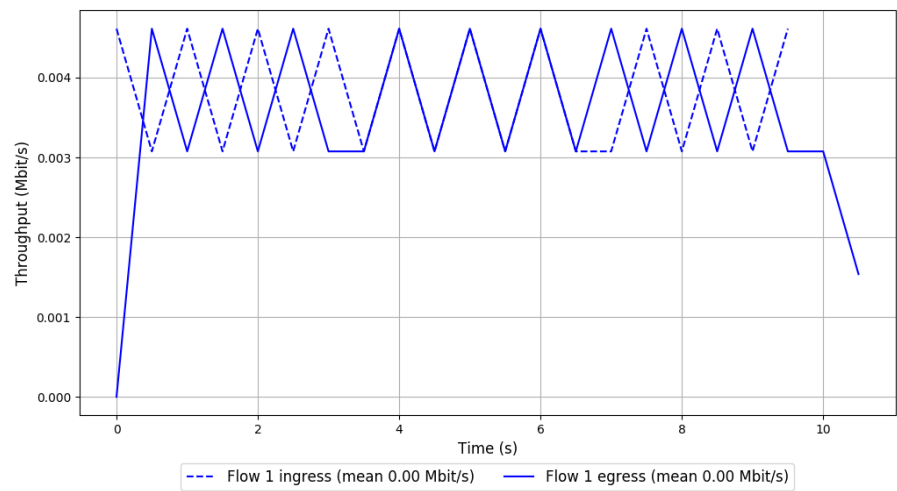
Start at: 2018-07-01 01:32:55

End at: 2018-07-01 01:33:25

Local clock offset: -0.069 ms

Remote clock offset: 0.045 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

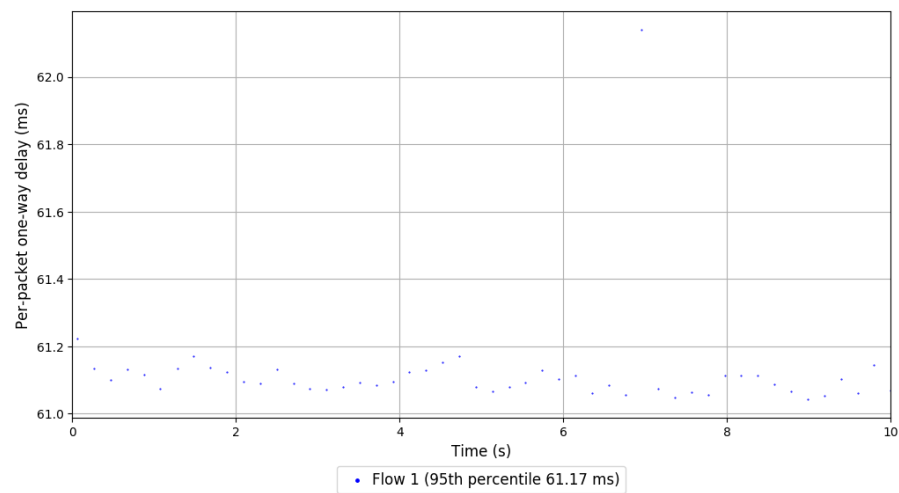
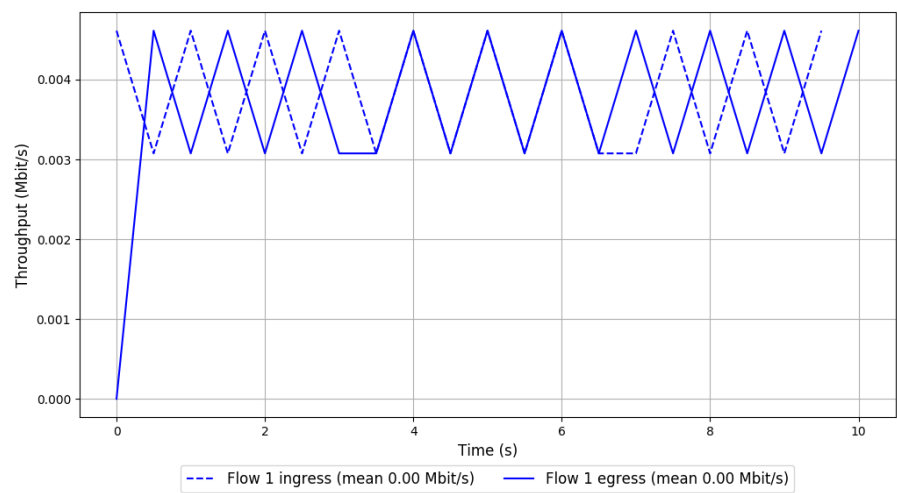
Start at: 2018-07-01 01:54:51

End at: 2018-07-01 01:55:21

Local clock offset: -0.041 ms

Remote clock offset: -0.264 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-30 22:30:47

End at: 2018-06-30 22:31:17

Local clock offset: -0.04 ms

Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-01 03:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.28 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.47%

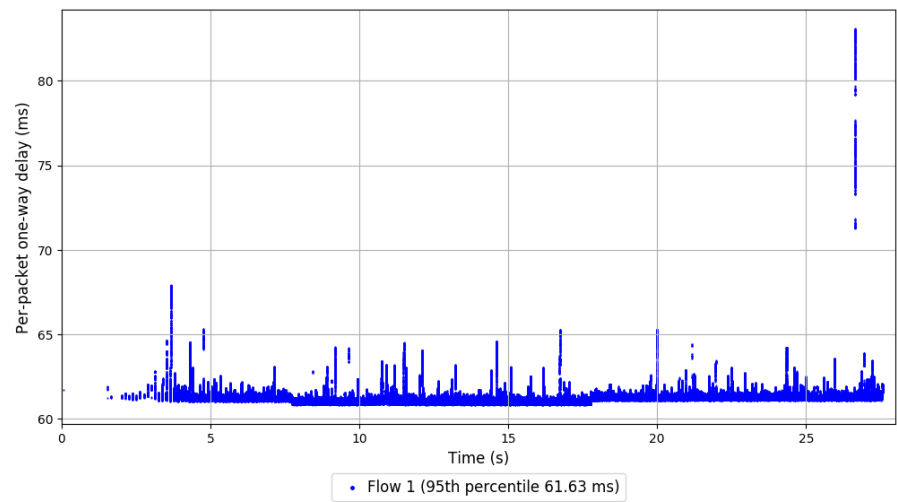
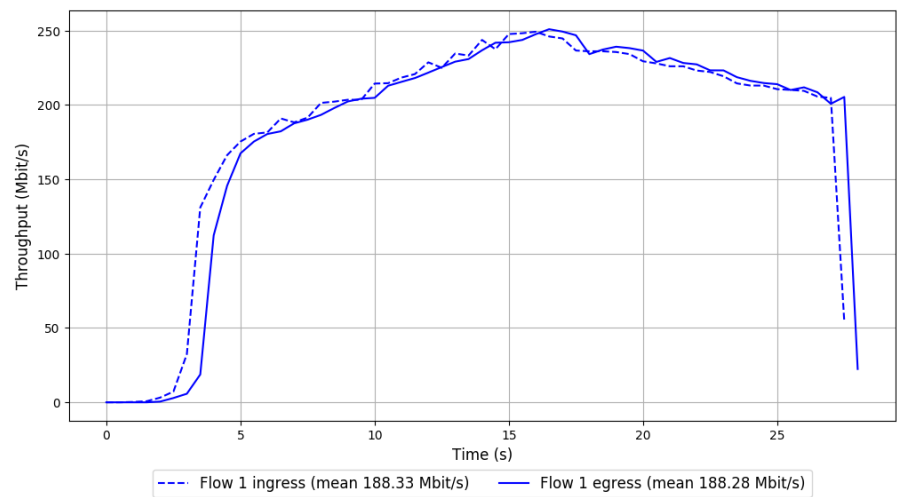
-- Flow 1:

Average throughput: 188.28 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.47%

Run 1: Report of Indigo — Data Link

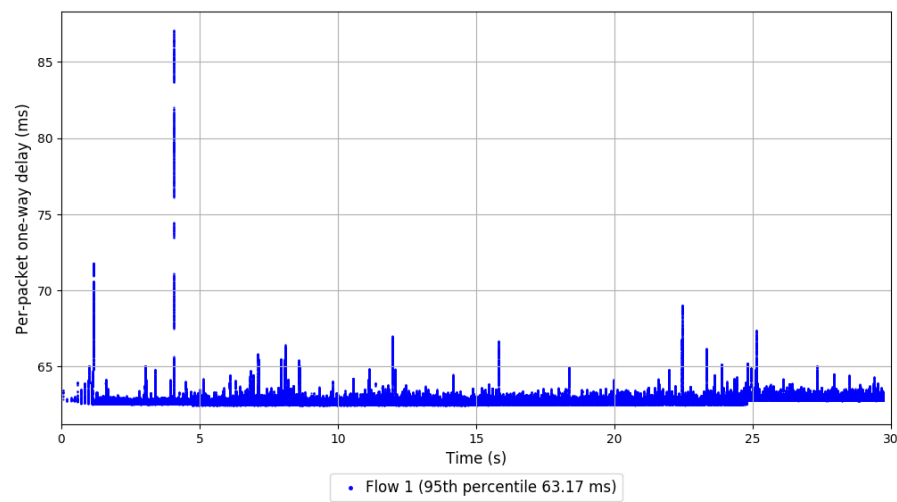
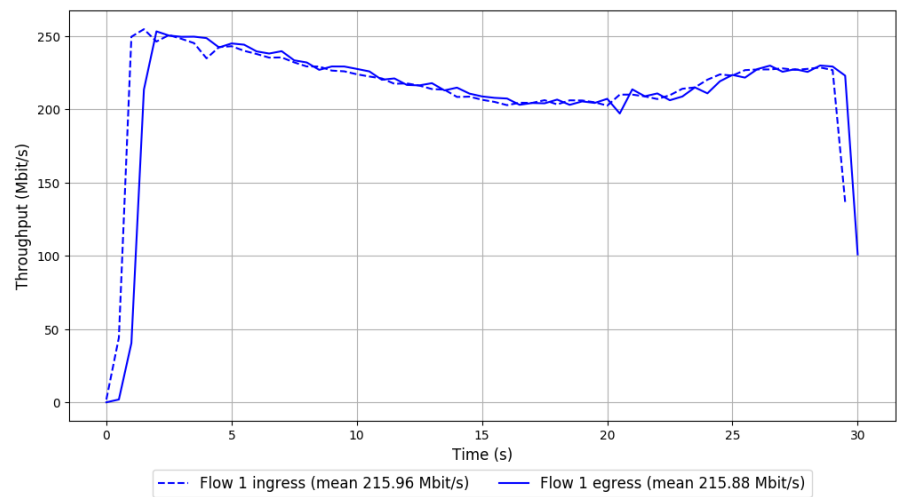


Run 2: Statistics of Indigo

Start at: 2018-06-30 22:52:53
End at: 2018-06-30 22:53:23
Local clock offset: -0.036 ms
Remote clock offset: -1.586 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.88 Mbit/s
95th percentile per-packet one-way delay: 63.174 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 215.88 Mbit/s
95th percentile per-packet one-way delay: 63.174 ms
Loss rate: 0.45%

Run 2: Report of Indigo — Data Link

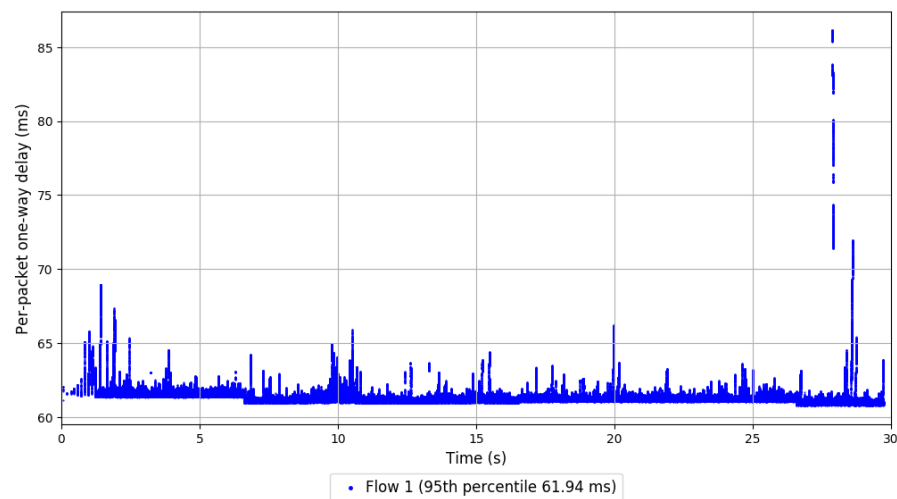
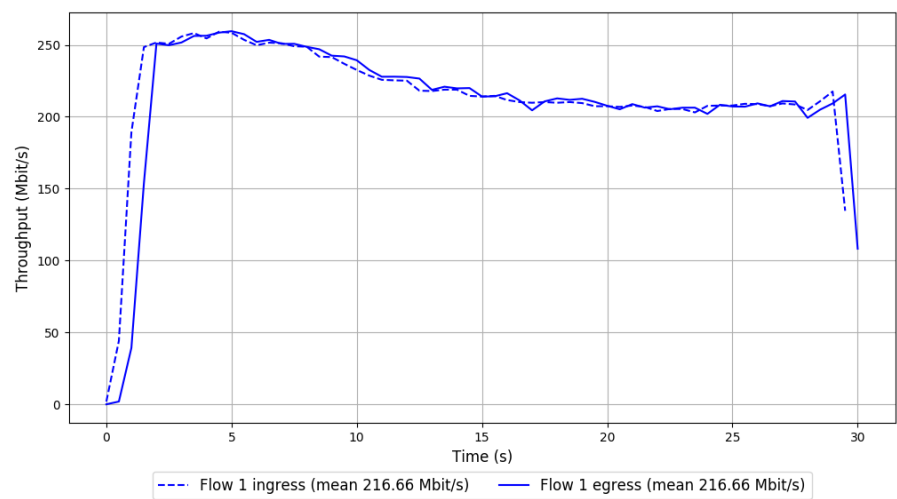


Run 3: Statistics of Indigo

Start at: 2018-06-30 23:14:51
End at: 2018-06-30 23:15:21
Local clock offset: -0.023 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.66 Mbit/s
95th percentile per-packet one-way delay: 61.942 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 216.66 Mbit/s
95th percentile per-packet one-way delay: 61.942 ms
Loss rate: 0.42%

Run 3: Report of Indigo — Data Link

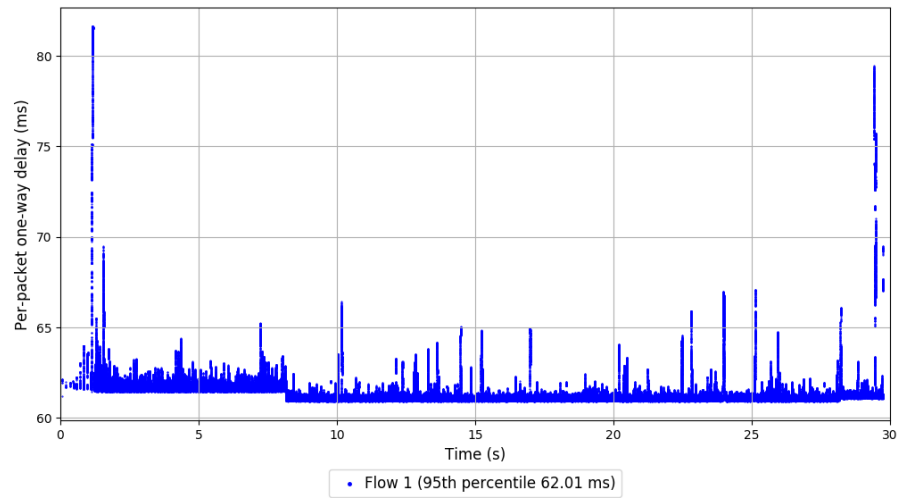
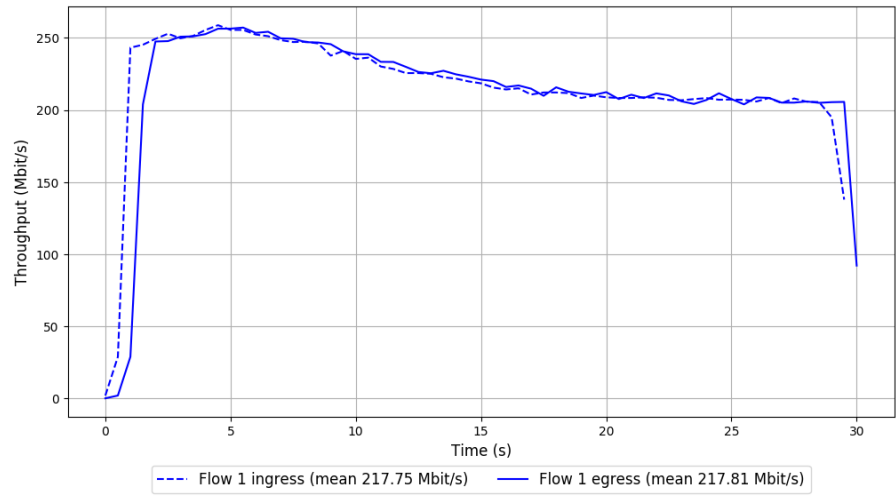


Run 4: Statistics of Indigo

Start at: 2018-06-30 23:36:49
End at: 2018-06-30 23:37:19
Local clock offset: -0.012 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.81 Mbit/s
95th percentile per-packet one-way delay: 62.006 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 217.81 Mbit/s
95th percentile per-packet one-way delay: 62.006 ms
Loss rate: 0.38%

Run 4: Report of Indigo — Data Link

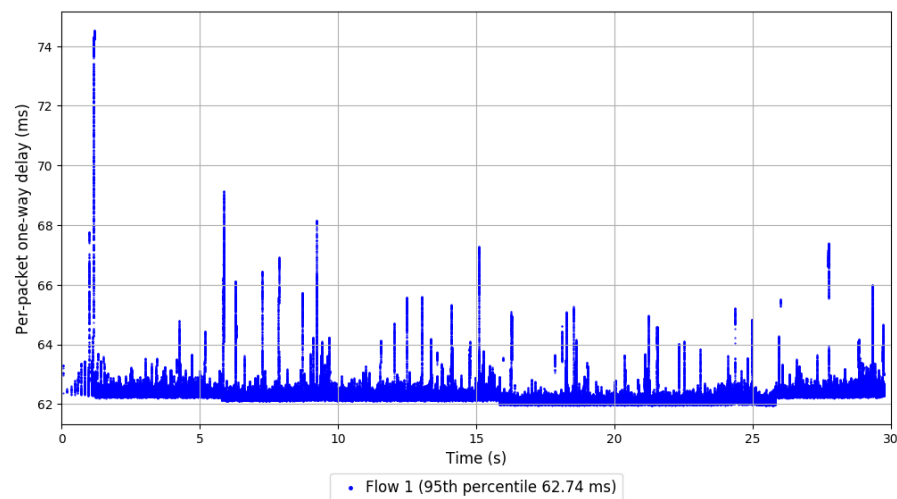
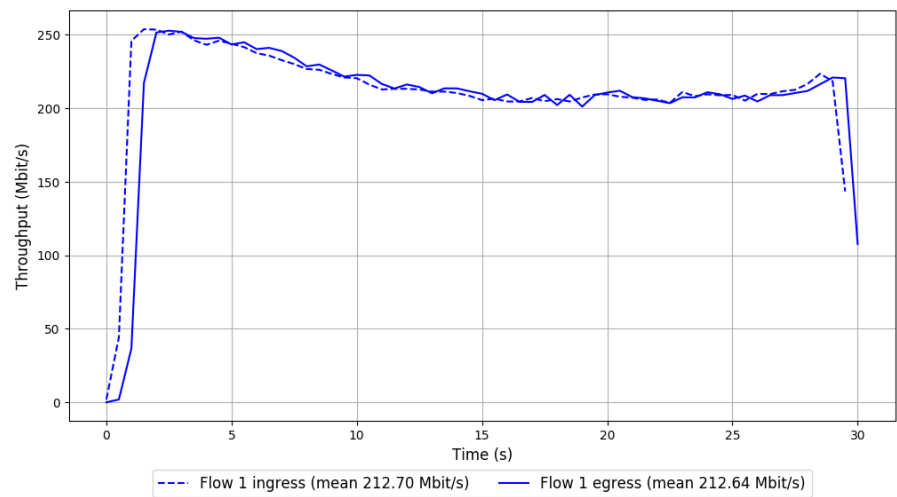


Run 5: Statistics of Indigo

Start at: 2018-06-30 23:58:52
End at: 2018-06-30 23:59:22
Local clock offset: 0.028 ms
Remote clock offset: -1.229 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.64 Mbit/s
95th percentile per-packet one-way delay: 62.741 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 212.64 Mbit/s
95th percentile per-packet one-way delay: 62.741 ms
Loss rate: 0.44%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-01 00:20:34

End at: 2018-07-01 00:21:04

Local clock offset: -0.011 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-07-01 03:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.65 Mbit/s

95th percentile per-packet one-way delay: 61.624 ms

Loss rate: 0.42%

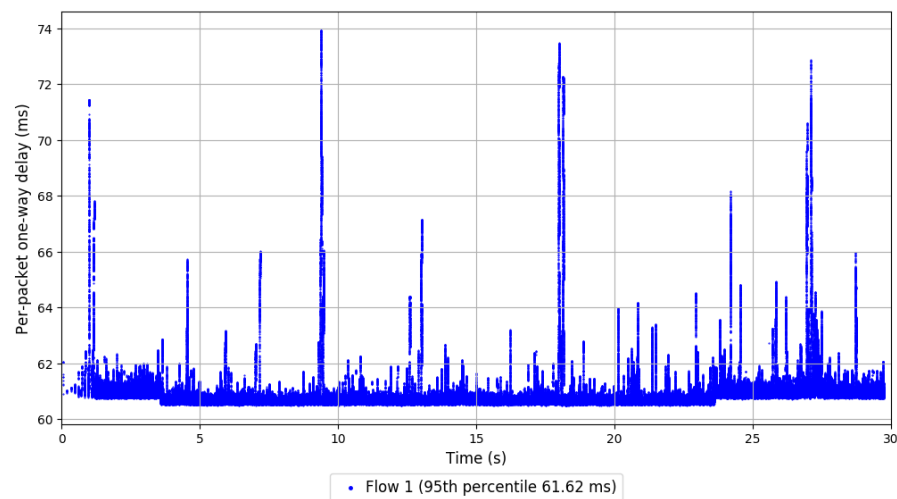
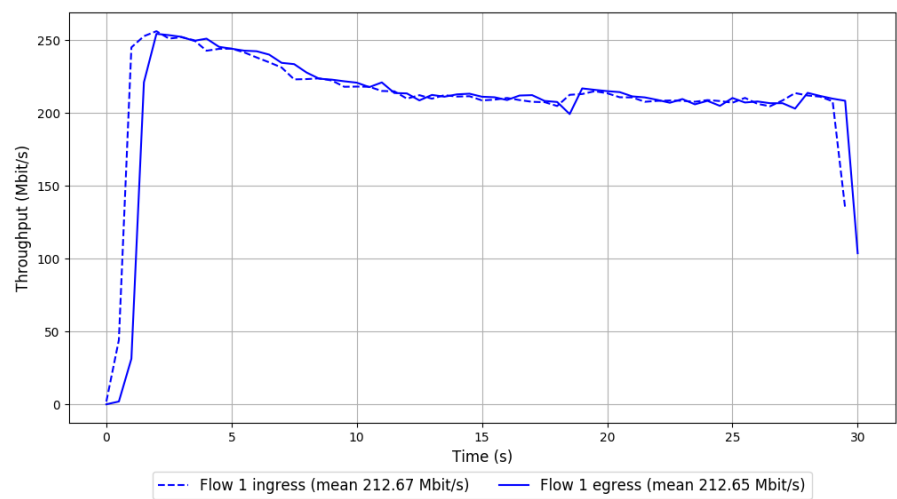
-- Flow 1:

Average throughput: 212.65 Mbit/s

95th percentile per-packet one-way delay: 61.624 ms

Loss rate: 0.42%

Run 6: Report of Indigo — Data Link

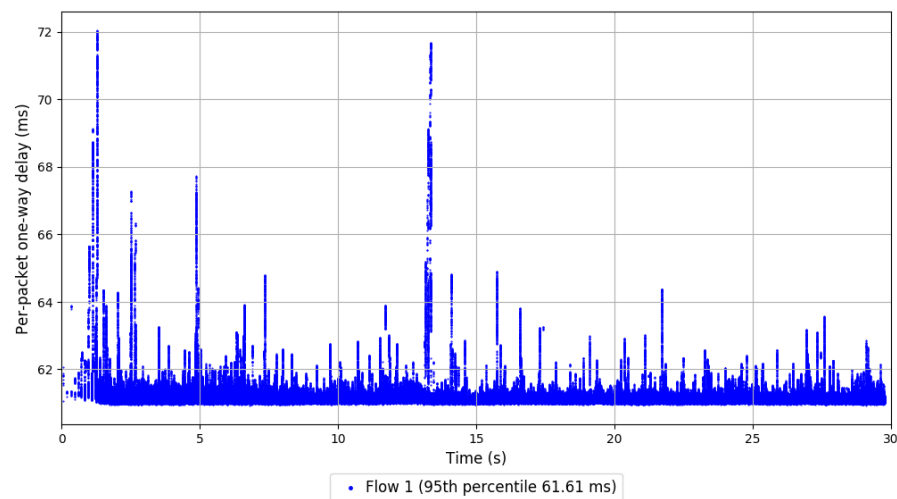
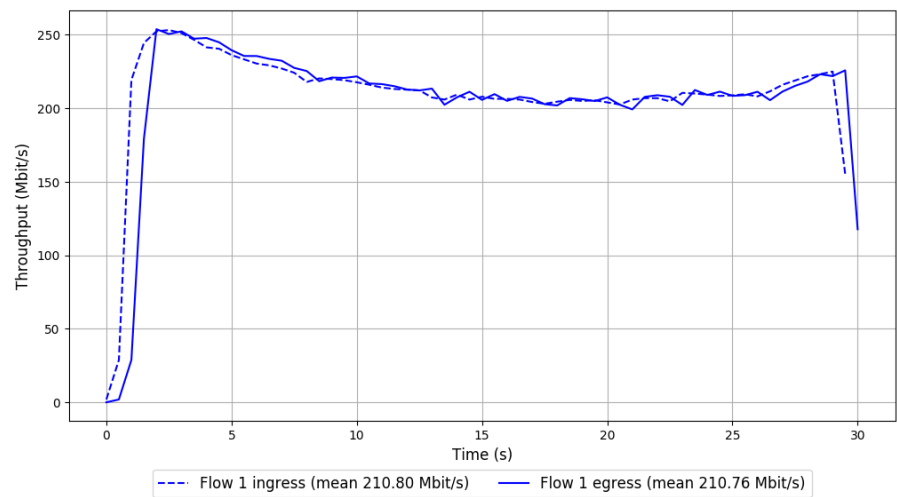


Run 7: Statistics of Indigo

Start at: 2018-07-01 00:42:29
End at: 2018-07-01 00:42:59
Local clock offset: 0.025 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.76 Mbit/s
95th percentile per-packet one-way delay: 61.609 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 210.76 Mbit/s
95th percentile per-packet one-way delay: 61.609 ms
Loss rate: 0.43%

Run 7: Report of Indigo — Data Link

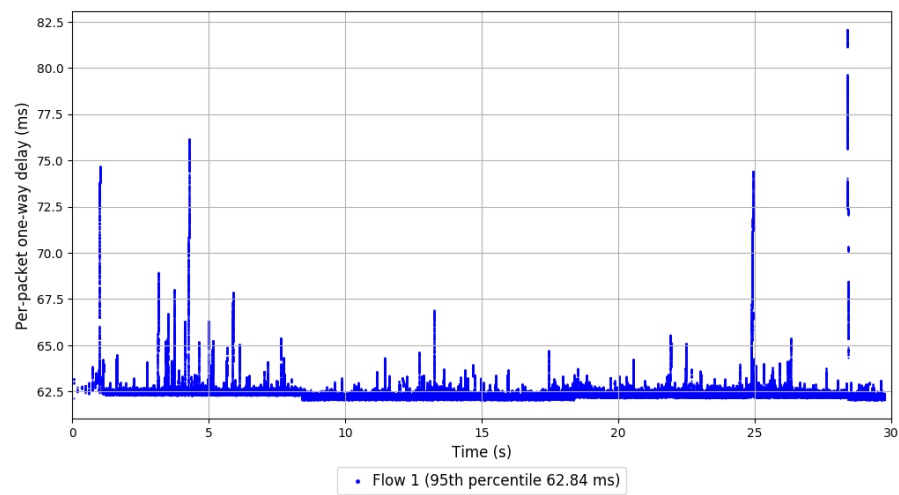
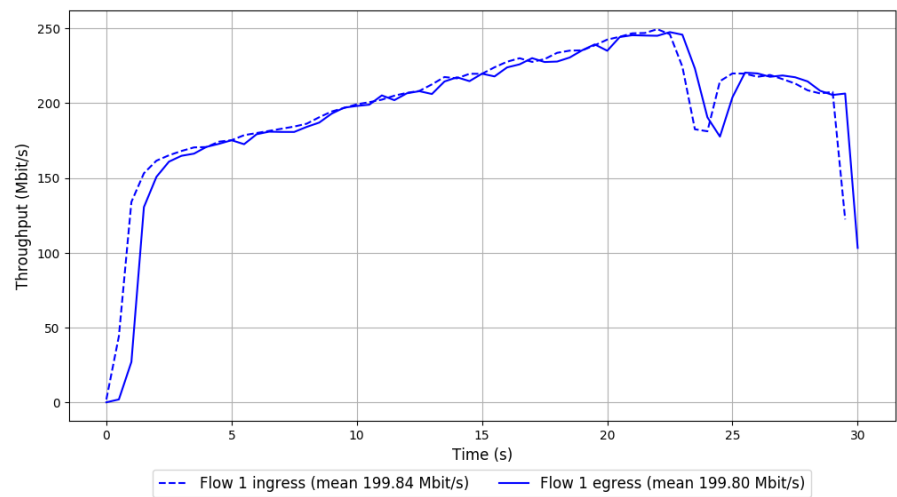


Run 8: Statistics of Indigo

Start at: 2018-07-01 01:04:29
End at: 2018-07-01 01:04:59
Local clock offset: -0.07 ms
Remote clock offset: -1.446 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 62.840 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 199.80 Mbit/s
95th percentile per-packet one-way delay: 62.840 ms
Loss rate: 0.43%

Run 8: Report of Indigo — Data Link

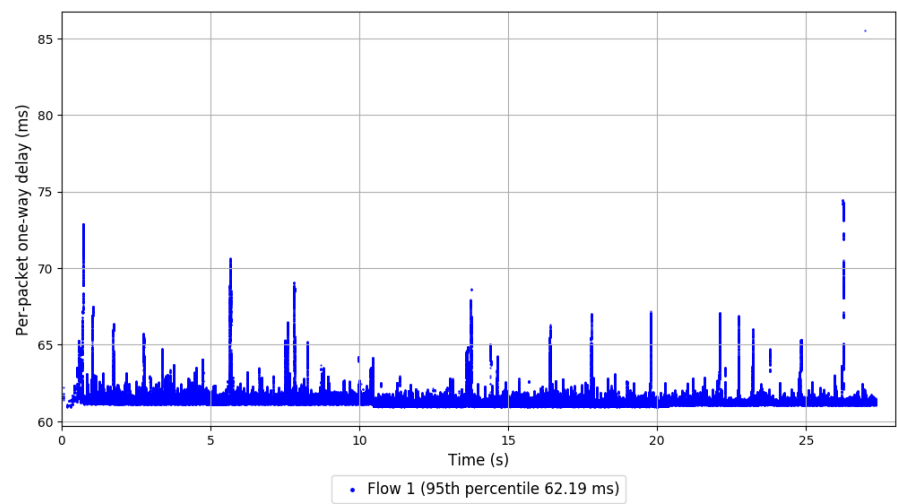
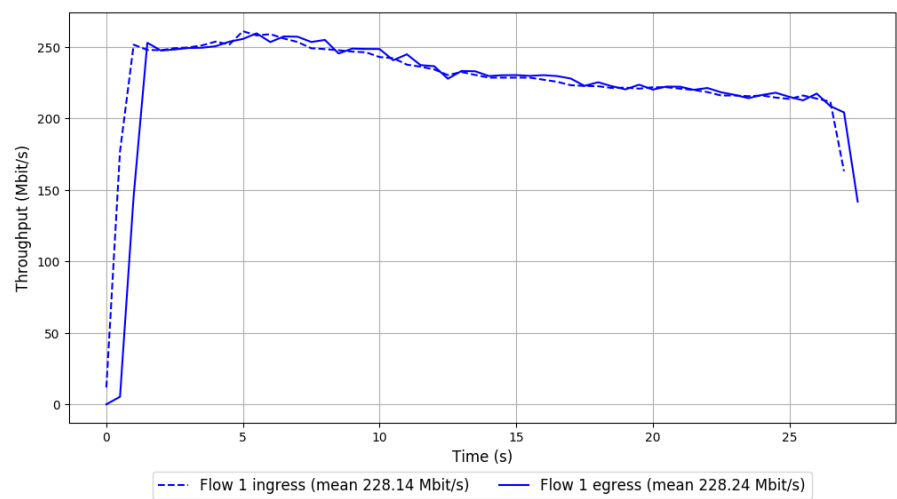


Run 9: Statistics of Indigo

Start at: 2018-07-01 01:26:15
End at: 2018-07-01 01:26:45
Local clock offset: -0.011 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.24 Mbit/s
95th percentile per-packet one-way delay: 62.185 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 228.24 Mbit/s
95th percentile per-packet one-way delay: 62.185 ms
Loss rate: 0.41%

Run 9: Report of Indigo — Data Link

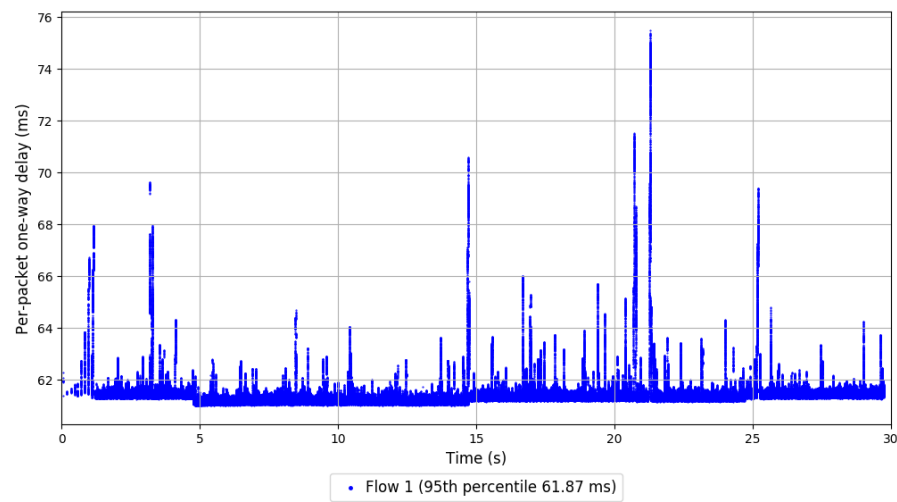
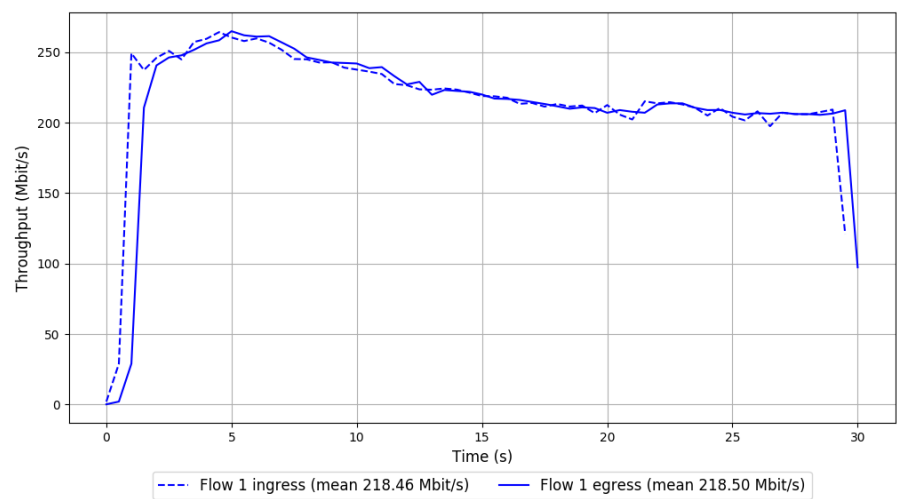


Run 10: Statistics of Indigo

Start at: 2018-07-01 01:48:03
End at: 2018-07-01 01:48:33
Local clock offset: -0.057 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.50 Mbit/s
95th percentile per-packet one-way delay: 61.870 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 218.50 Mbit/s
95th percentile per-packet one-way delay: 61.870 ms
Loss rate: 0.39%

Run 10: Report of Indigo — Data Link

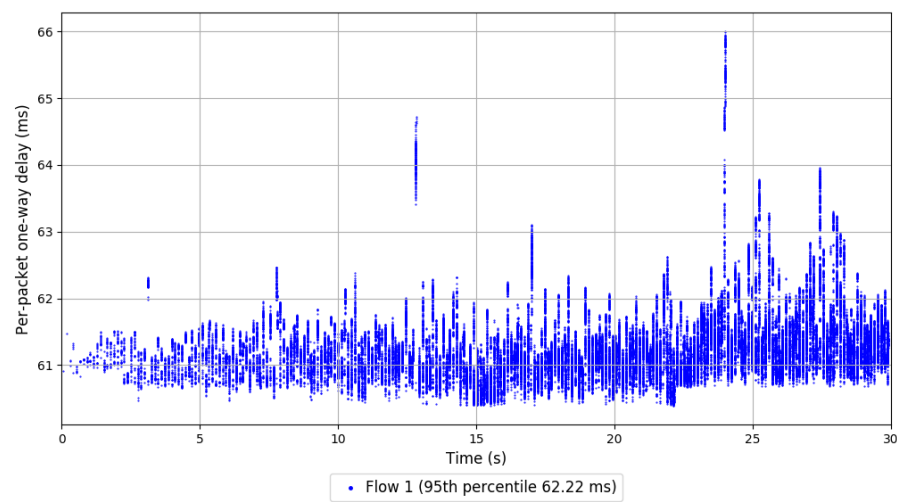
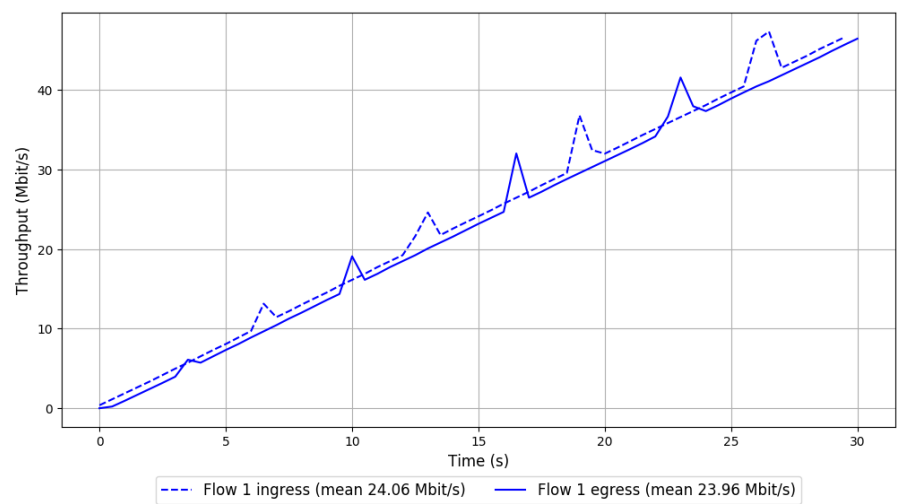


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 22:32:05
End at: 2018-06-30 22:32:35
Local clock offset: -0.059 ms
Remote clock offset: 0.187 ms

# Below is generated by plot.py at 2018-07-01 03:11:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 62.217 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 62.217 ms
Loss rate: 0.81%
```

Run 1: Report of LEDBAT — Data Link

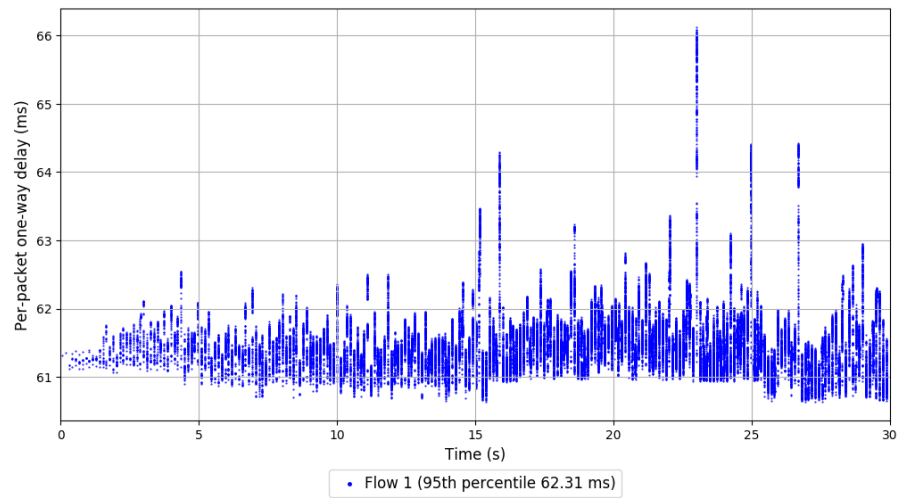
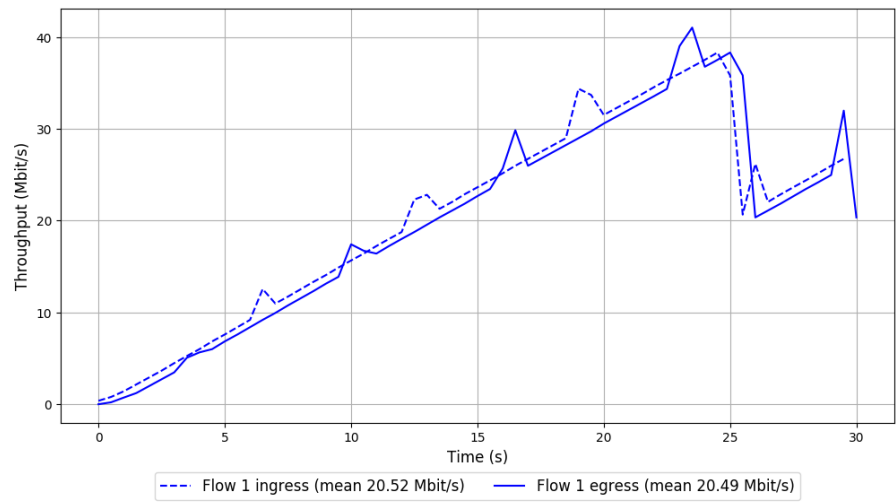


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-30 22:54:12
End at: 2018-06-30 22:54:42
Local clock offset: -0.057 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-07-01 03:11:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 62.307 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 62.307 ms
Loss rate: 0.55%
```

Run 2: Report of LEDBAT — Data Link

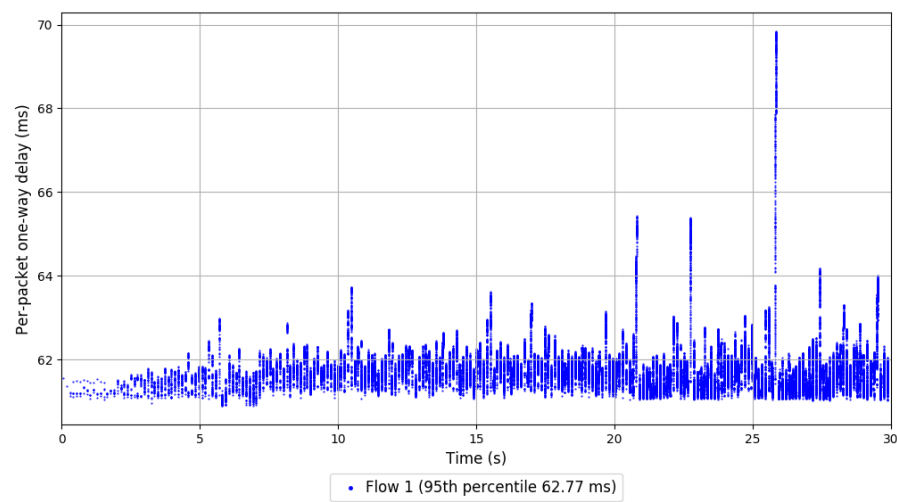
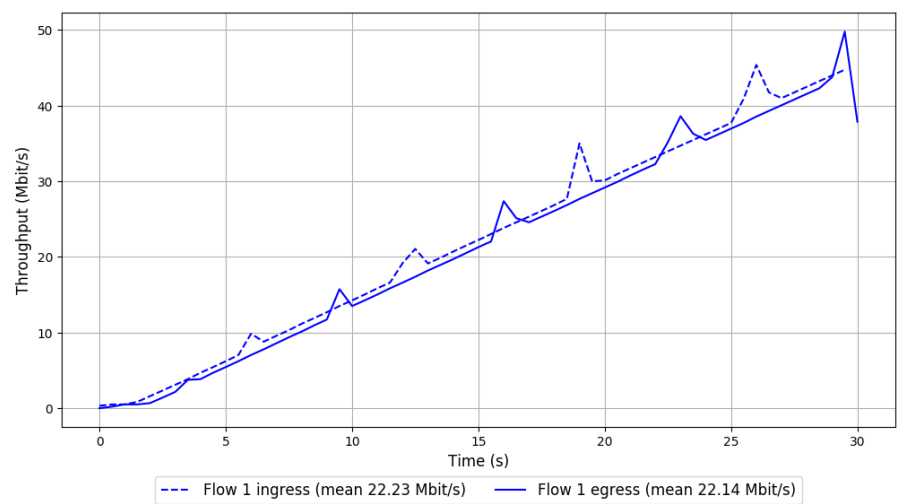


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 23:16:10
End at: 2018-06-30 23:16:40
Local clock offset: -0.028 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 62.771 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 62.771 ms
Loss rate: 0.85%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-30 23:38:09

End at: 2018-06-30 23:38:39

Local clock offset: -0.009 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-01 03:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 62.744 ms

Loss rate: 0.82%

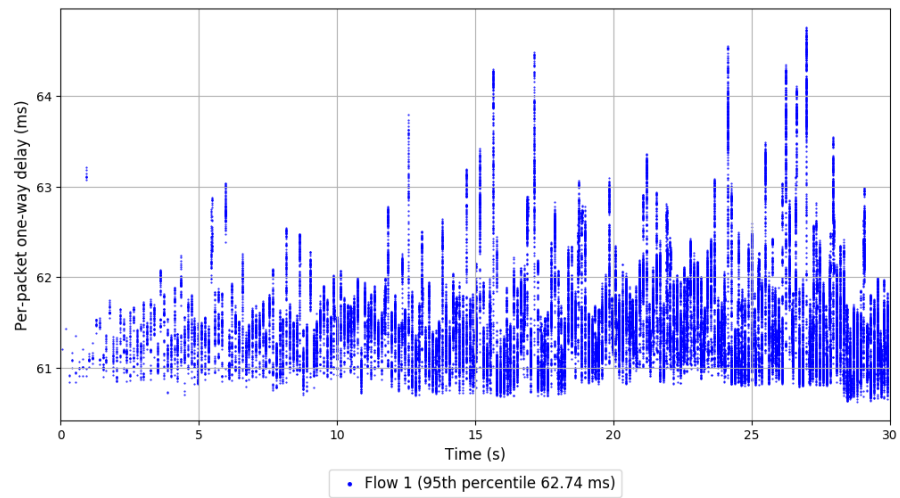
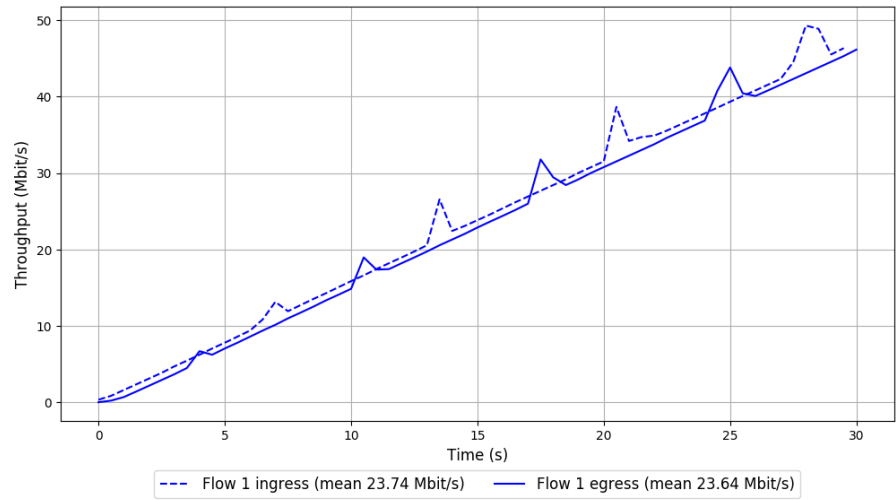
-- Flow 1:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 62.744 ms

Loss rate: 0.82%

Run 4: Report of LEDBAT — Data Link

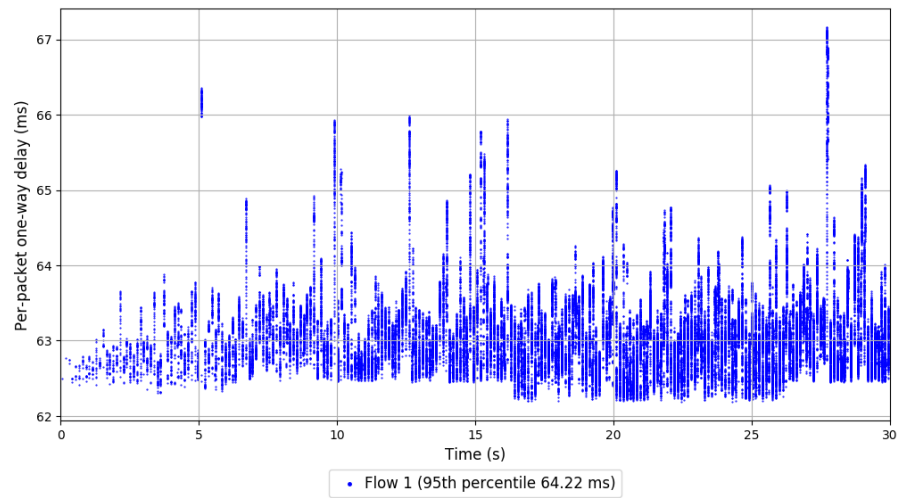
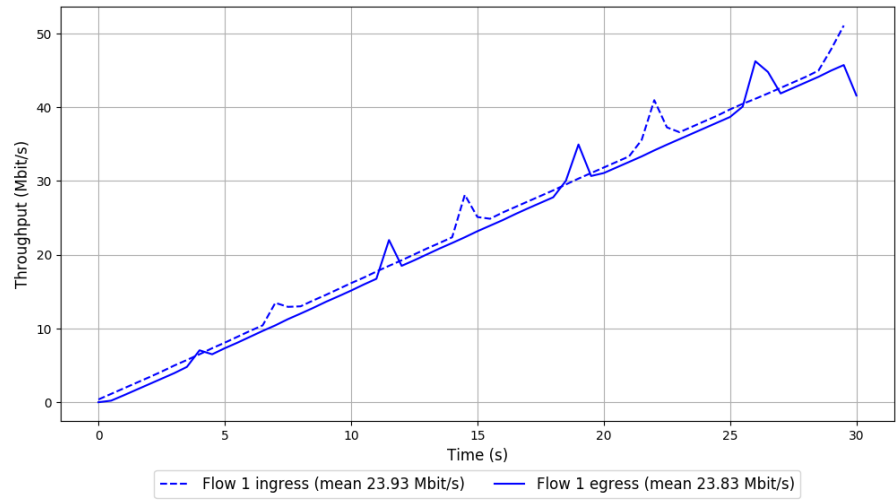


Run 5: Statistics of LEDBAT

Start at: 2018-07-01 00:00:11
End at: 2018-07-01 00:00:41
Local clock offset: 0.018 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 64.215 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 64.215 ms
Loss rate: 0.81%

Run 5: Report of LEDBAT — Data Link

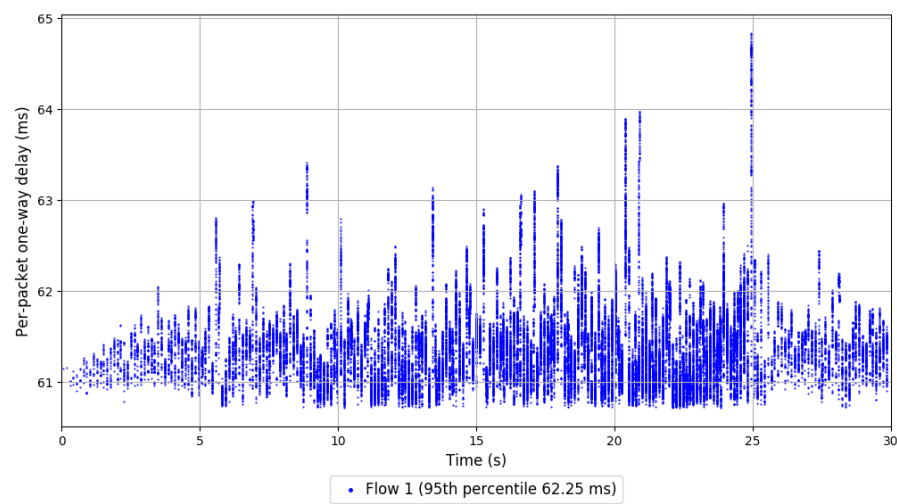
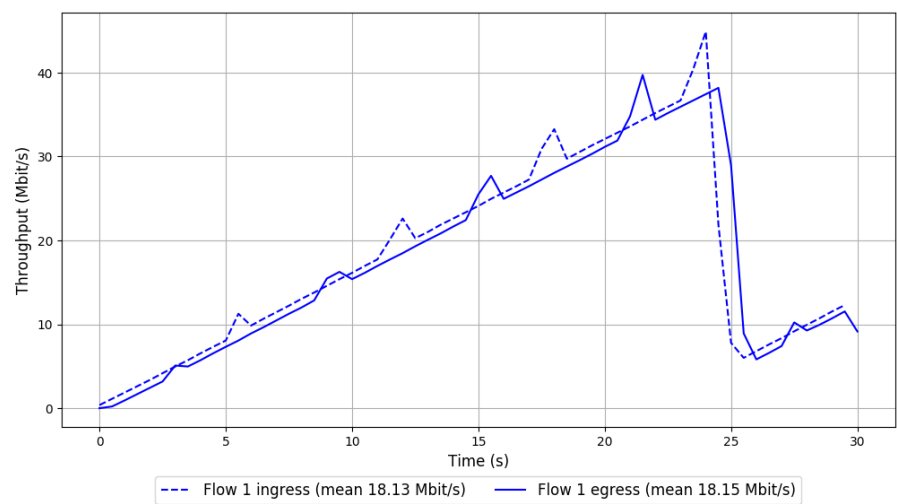


Run 6: Statistics of LEDBAT

Start at: 2018-07-01 00:21:54
End at: 2018-07-01 00:22:24
Local clock offset: 0.0 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 62.252 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 62.252 ms
Loss rate: 0.29%

Run 6: Report of LEDBAT — Data Link

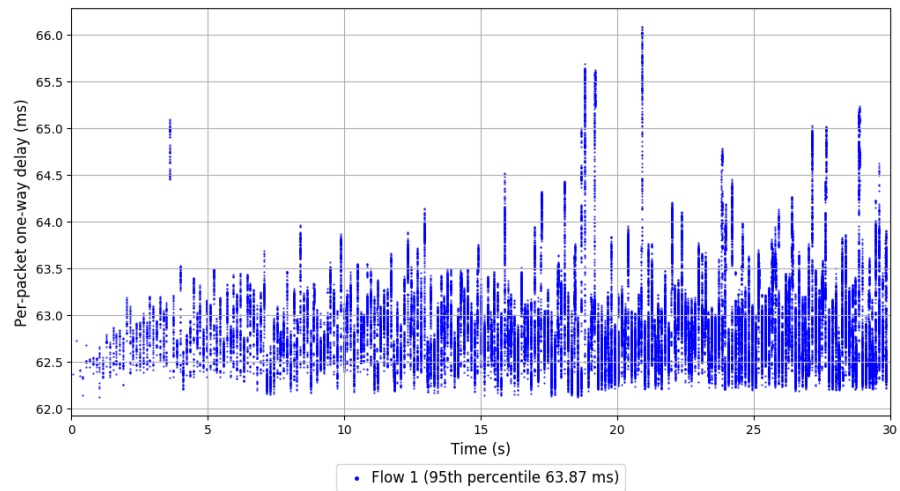
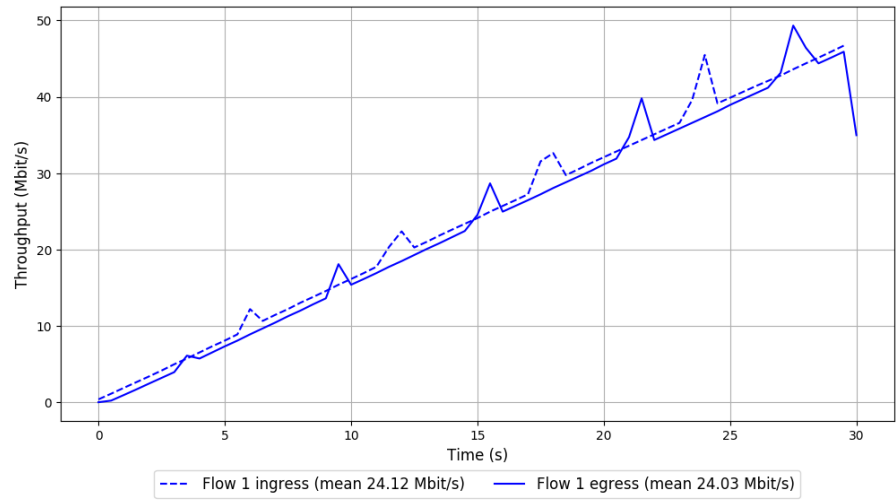


Run 7: Statistics of LEDBAT

Start at: 2018-07-01 00:43:48
End at: 2018-07-01 00:44:18
Local clock offset: -0.025 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-07-01 03:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 63.869 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 63.869 ms
Loss rate: 0.81%

Run 7: Report of LEDBAT — Data Link

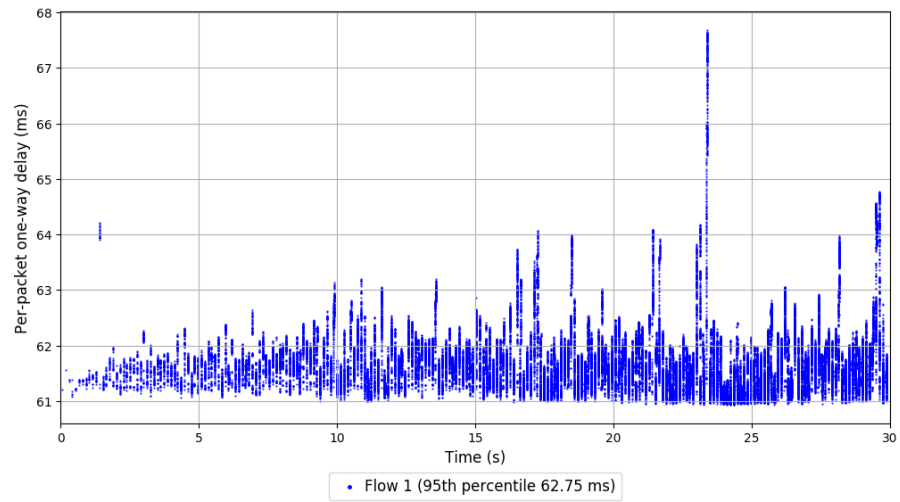
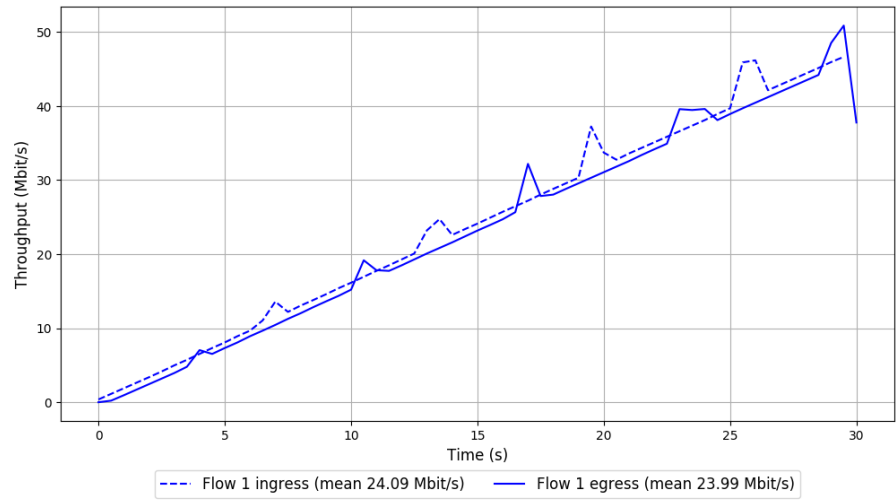


Run 8: Statistics of LEDBAT

Start at: 2018-07-01 01:05:48
End at: 2018-07-01 01:06:18
Local clock offset: -0.065 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-01 03:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 62.753 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 62.753 ms
Loss rate: 0.81%

Run 8: Report of LEDBAT — Data Link

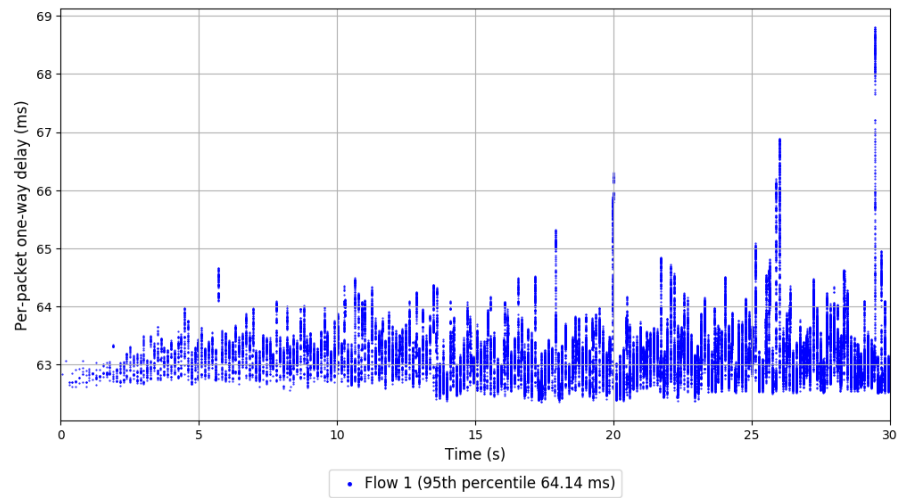
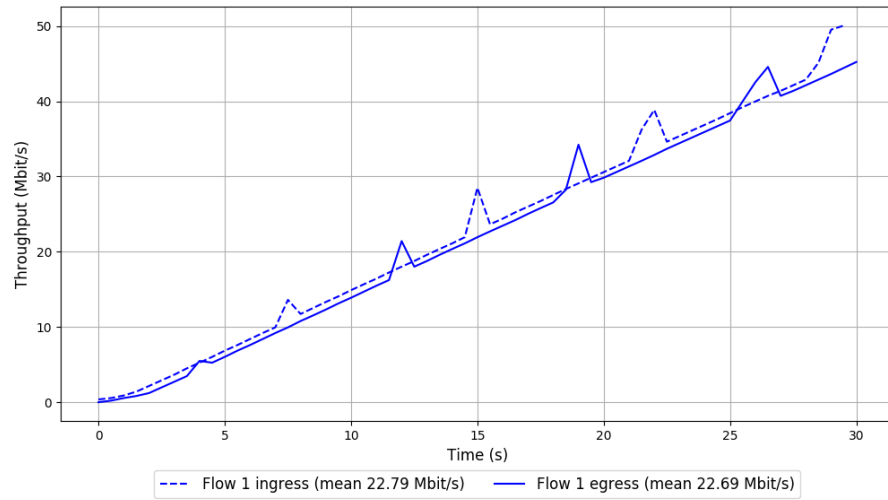


Run 9: Statistics of LEDBAT

Start at: 2018-07-01 01:27:34
End at: 2018-07-01 01:28:04
Local clock offset: -0.026 ms
Remote clock offset: -1.551 ms

Below is generated by plot.py at 2018-07-01 03:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 64.145 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 64.145 ms
Loss rate: 0.84%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-01 01:49:23

End at: 2018-07-01 01:49:53

Local clock offset: 0.01 ms

Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-07-01 03:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 63.410 ms

Loss rate: 0.81%

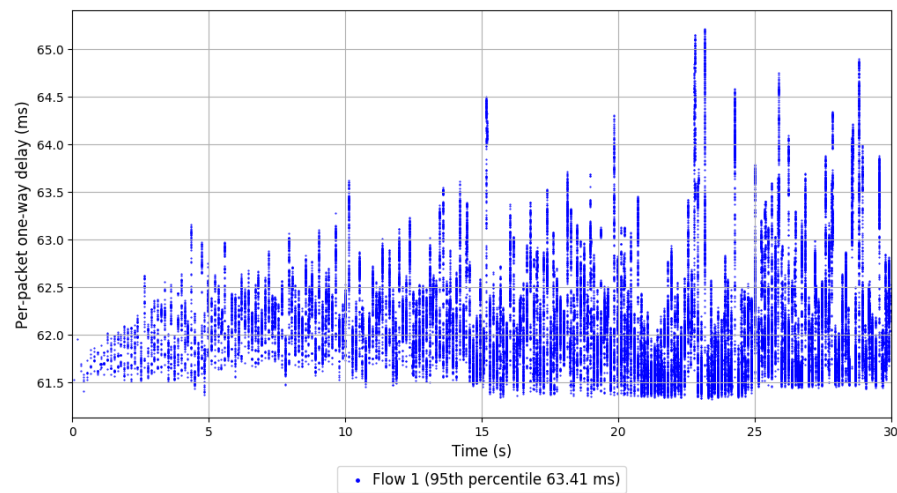
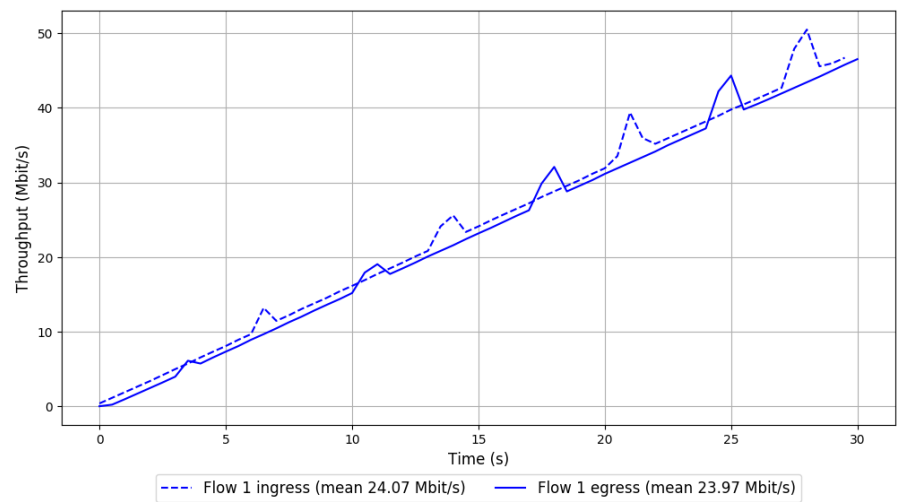
-- Flow 1:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 63.410 ms

Loss rate: 0.81%

Run 10: Report of LEDBAT — Data Link

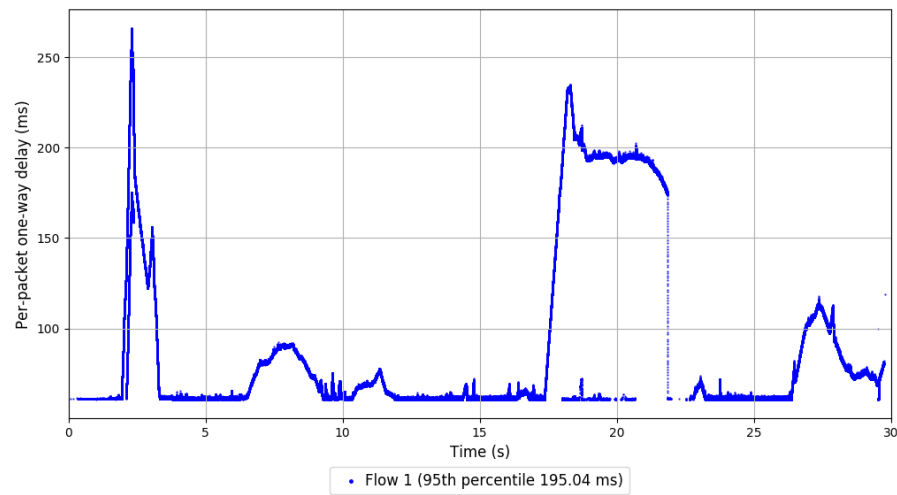
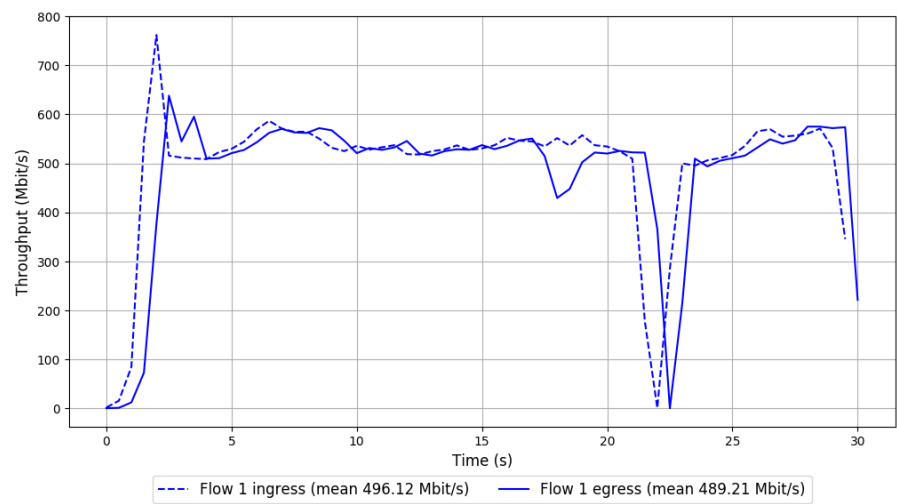


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 22:29:24
End at: 2018-06-30 22:29:54
Local clock offset: -0.055 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-07-01 03:12:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.21 Mbit/s
95th percentile per-packet one-way delay: 195.045 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 489.21 Mbit/s
95th percentile per-packet one-way delay: 195.045 ms
Loss rate: 1.70%
```

Run 1: Report of PCC-Allegro — Data Link

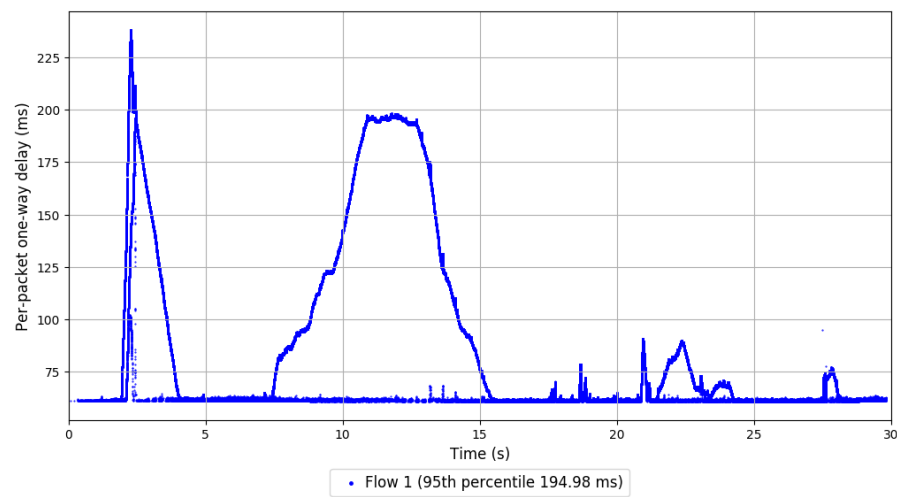
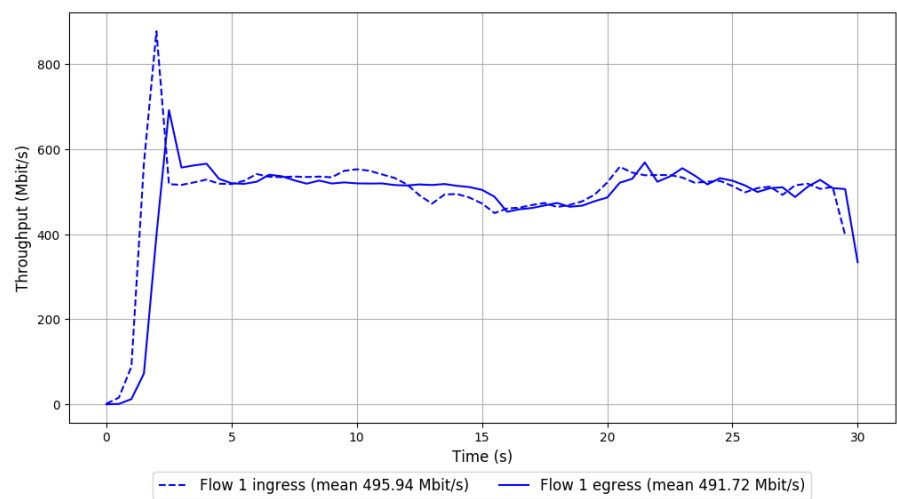


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 22:51:29
End at: 2018-06-30 22:51:59
Local clock offset: -0.115 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-01 03:12:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 491.72 Mbit/s
95th percentile per-packet one-way delay: 194.977 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 491.72 Mbit/s
95th percentile per-packet one-way delay: 194.977 ms
Loss rate: 1.26%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 23:13:27

End at: 2018-06-30 23:13:57

Local clock offset: -0.021 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-07-01 03:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.83 Mbit/s

95th percentile per-packet one-way delay: 193.865 ms

Loss rate: 1.20%

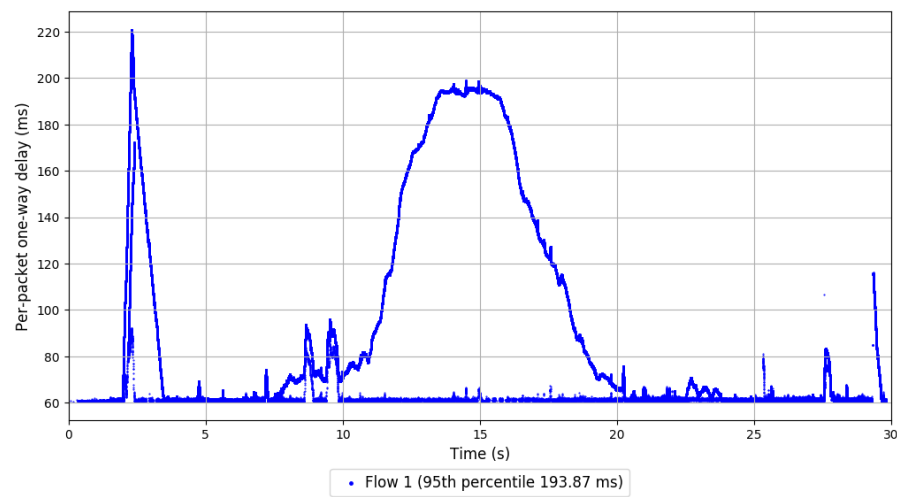
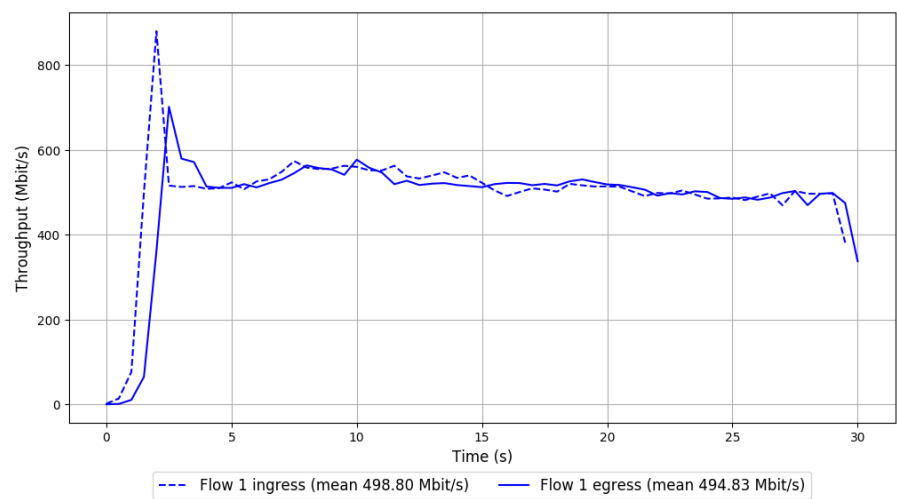
-- Flow 1:

Average throughput: 494.83 Mbit/s

95th percentile per-packet one-way delay: 193.865 ms

Loss rate: 1.20%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 23:35:25

End at: 2018-06-30 23:35:55

Local clock offset: 0.03 ms

Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-07-01 03:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.56 Mbit/s

95th percentile per-packet one-way delay: 201.531 ms

Loss rate: 3.09%

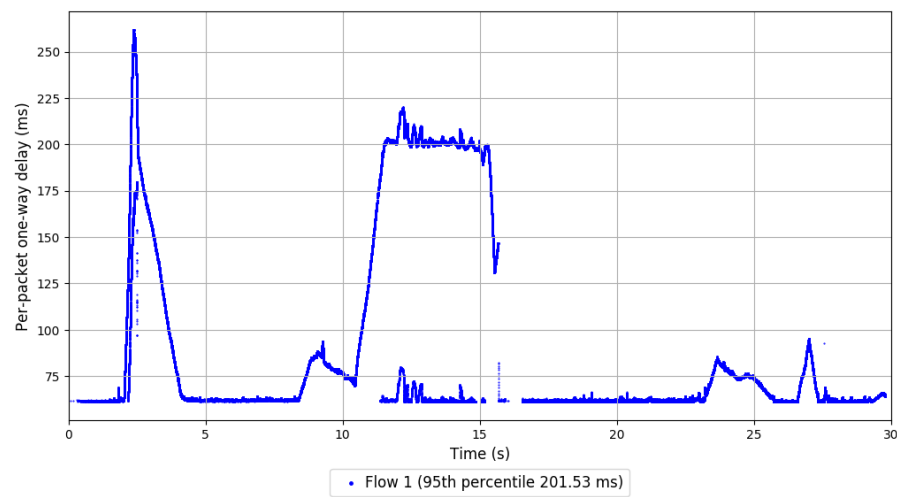
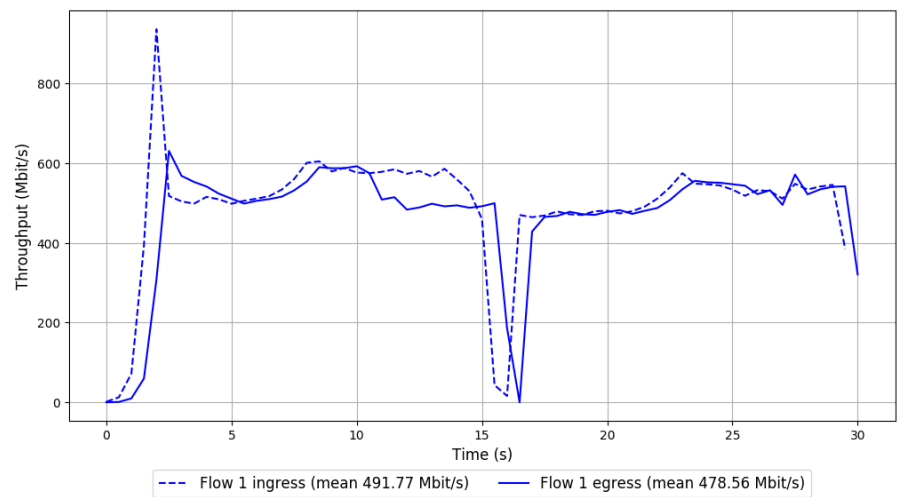
-- Flow 1:

Average throughput: 478.56 Mbit/s

95th percentile per-packet one-way delay: 201.531 ms

Loss rate: 3.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 23:57:28

End at: 2018-06-30 23:57:58

Local clock offset: -0.007 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-01 03:12:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 466.70 Mbit/s

95th percentile per-packet one-way delay: 192.133 ms

Loss rate: 1.17%

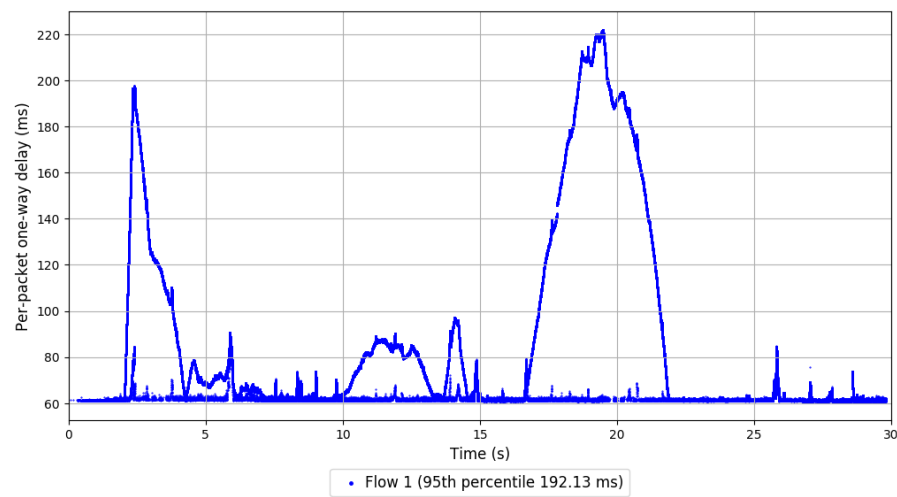
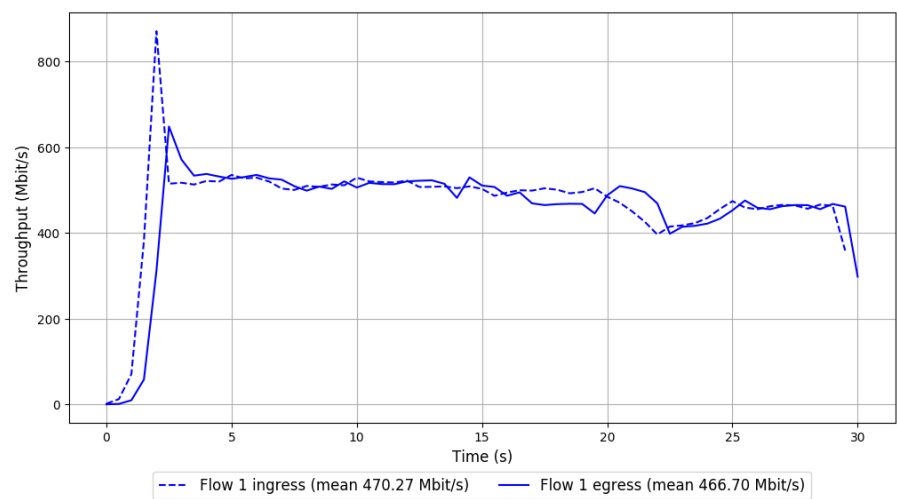
-- Flow 1:

Average throughput: 466.70 Mbit/s

95th percentile per-packet one-way delay: 192.133 ms

Loss rate: 1.17%

Run 5: Report of PCC-Allegro — Data Link

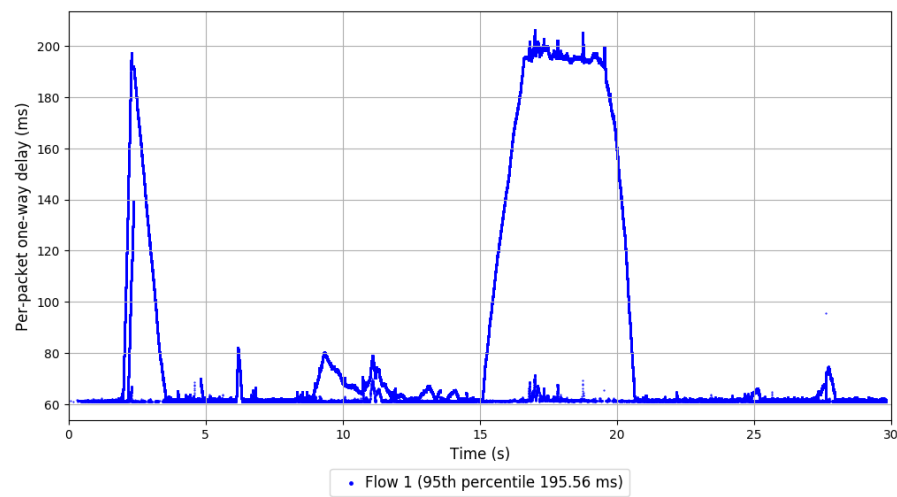
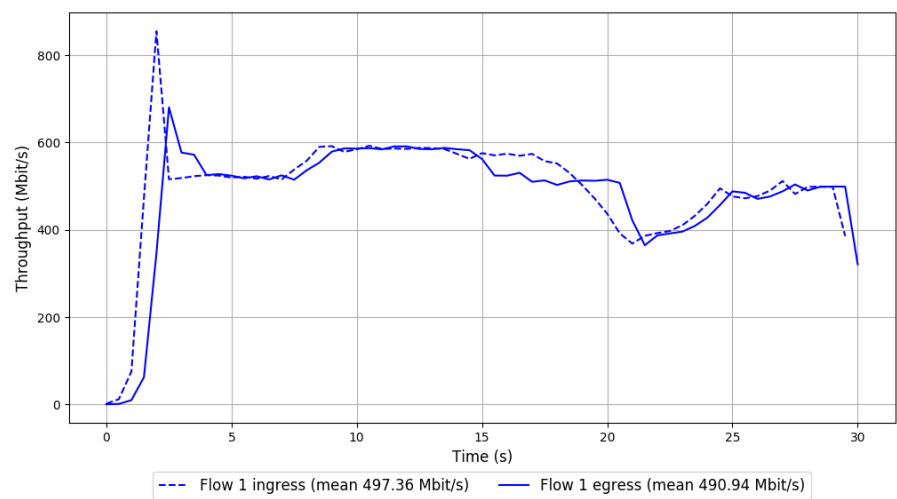


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-01 00:19:10
End at: 2018-07-01 00:19:40
Local clock offset: 0.021 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-07-01 03:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 490.94 Mbit/s
95th percentile per-packet one-way delay: 195.563 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 490.94 Mbit/s
95th percentile per-packet one-way delay: 195.563 ms
Loss rate: 1.70%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-01 00:41:05

End at: 2018-07-01 00:41:35

Local clock offset: 0.007 ms

Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-07-01 03:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.00 Mbit/s

95th percentile per-packet one-way delay: 197.494 ms

Loss rate: 1.92%

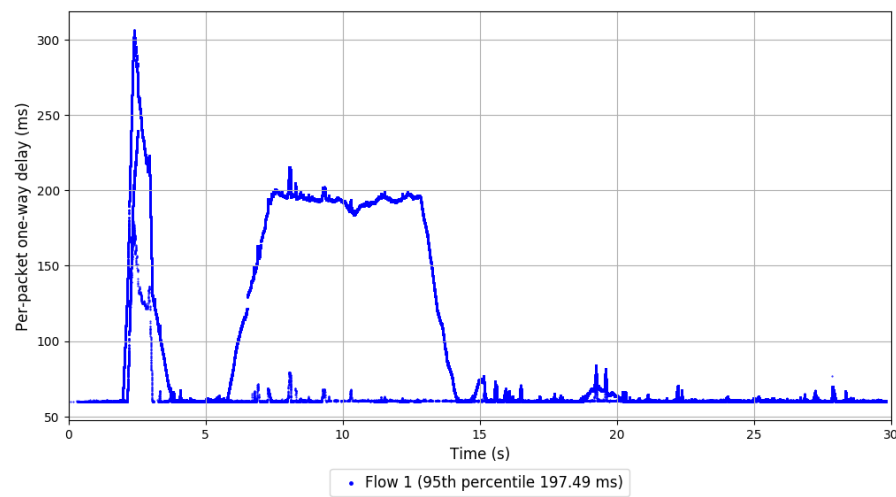
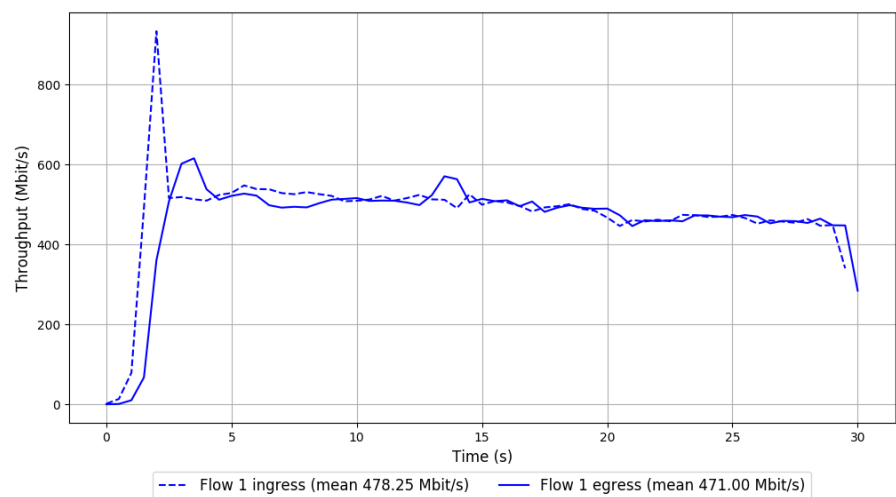
-- Flow 1:

Average throughput: 471.00 Mbit/s

95th percentile per-packet one-way delay: 197.494 ms

Loss rate: 1.92%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-01 01:03:06

End at: 2018-07-01 01:03:36

Local clock offset: -0.031 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-07-01 03:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.50 Mbit/s

95th percentile per-packet one-way delay: 171.141 ms

Loss rate: 1.24%

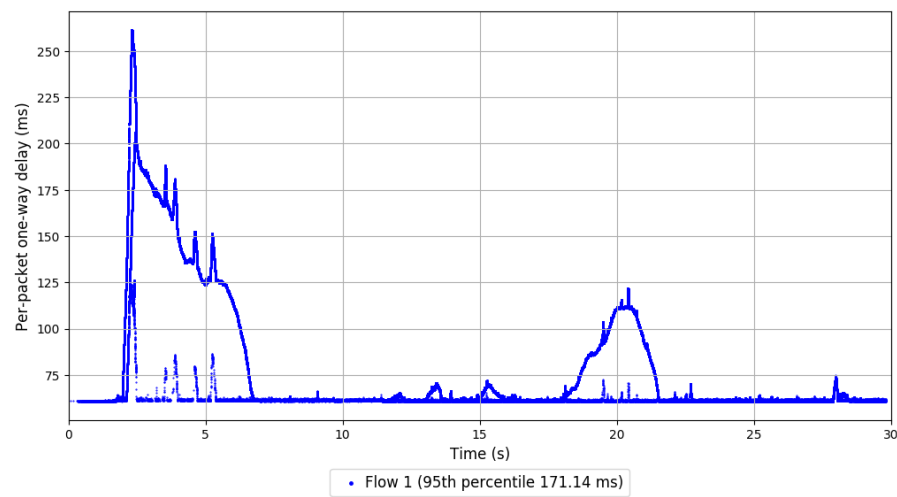
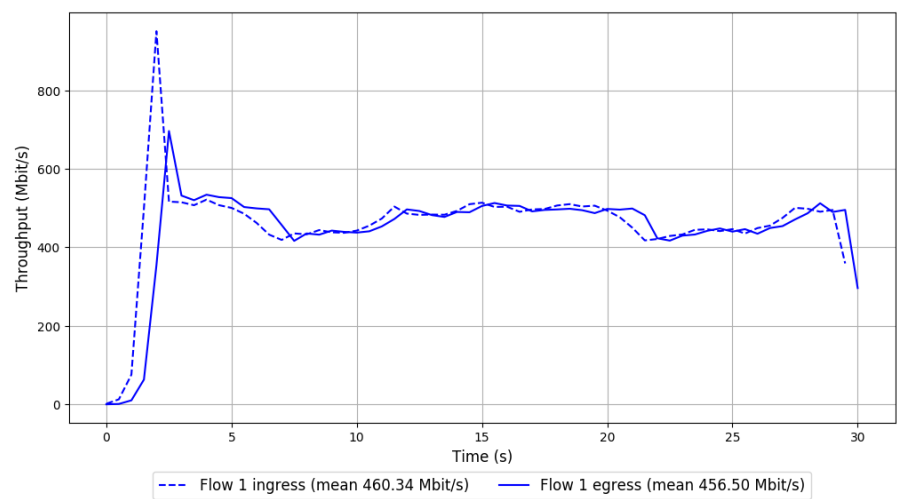
-- Flow 1:

Average throughput: 456.50 Mbit/s

95th percentile per-packet one-way delay: 171.141 ms

Loss rate: 1.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-01 01:24:53

End at: 2018-07-01 01:25:23

Local clock offset: -0.045 ms

Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-01 03:21:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.03 Mbit/s

95th percentile per-packet one-way delay: 230.105 ms

Loss rate: 4.90%

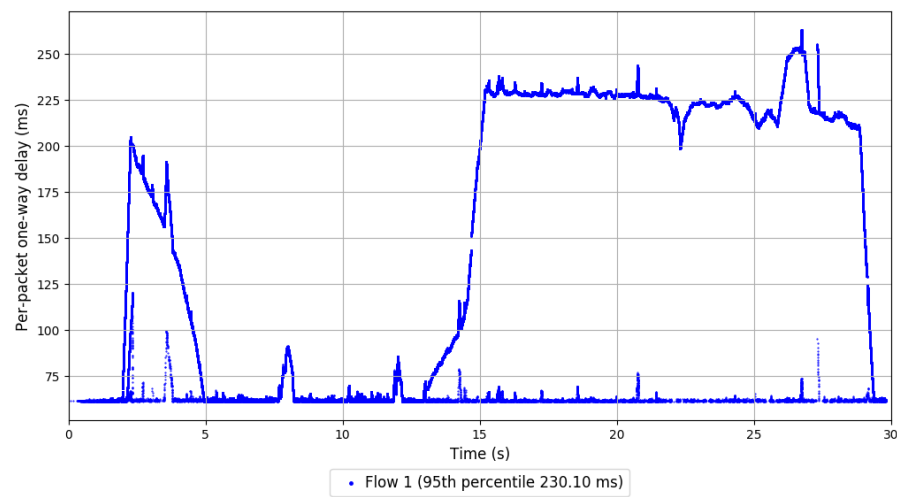
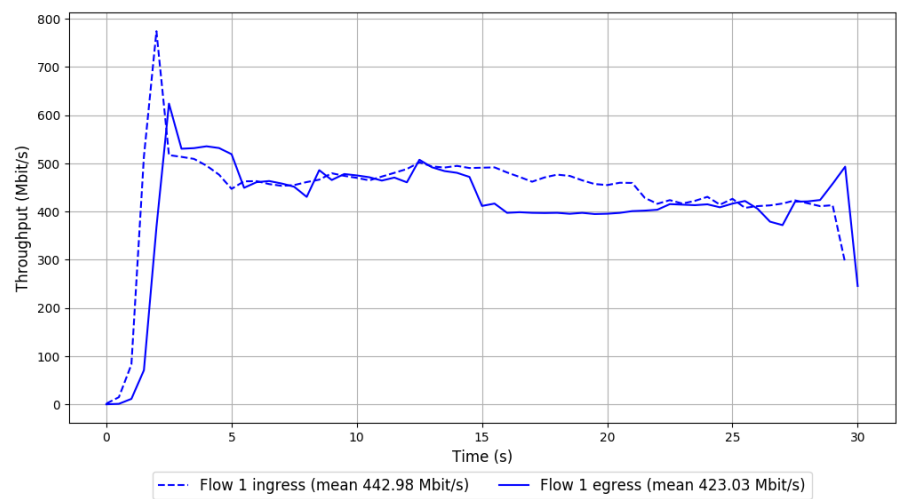
-- Flow 1:

Average throughput: 423.03 Mbit/s

95th percentile per-packet one-way delay: 230.105 ms

Loss rate: 4.90%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-01 01:46:41

End at: 2018-07-01 01:47:11

Local clock offset: -0.02 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 03:21:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 410.67 Mbit/s

95th percentile per-packet one-way delay: 92.475 ms

Loss rate: 0.49%

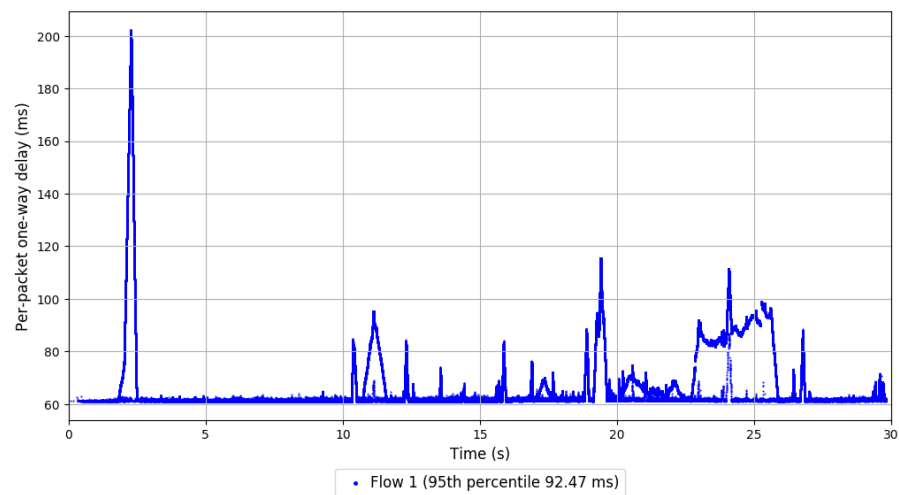
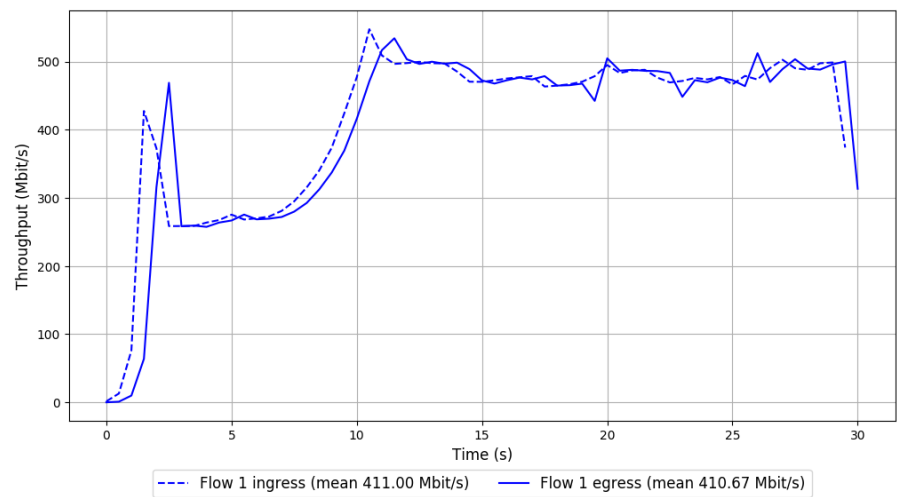
-- Flow 1:

Average throughput: 410.67 Mbit/s

95th percentile per-packet one-way delay: 92.475 ms

Loss rate: 0.49%

Run 10: Report of PCC-Allegro — Data Link

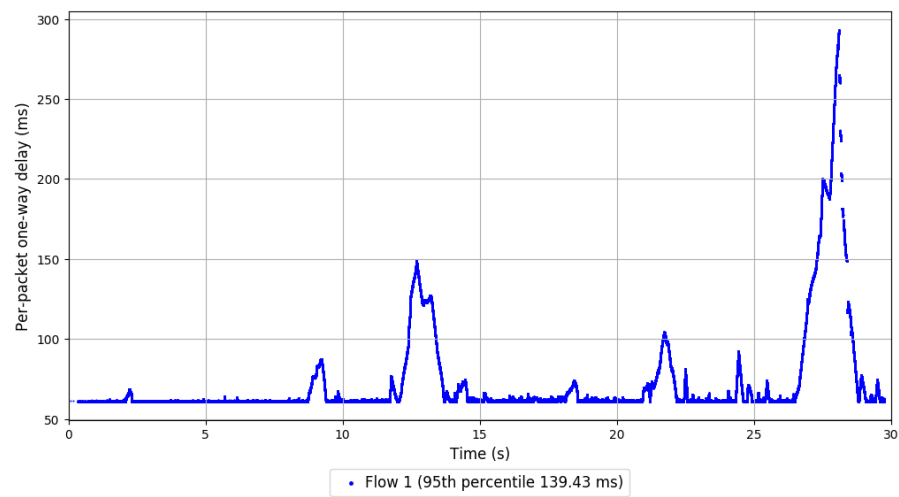
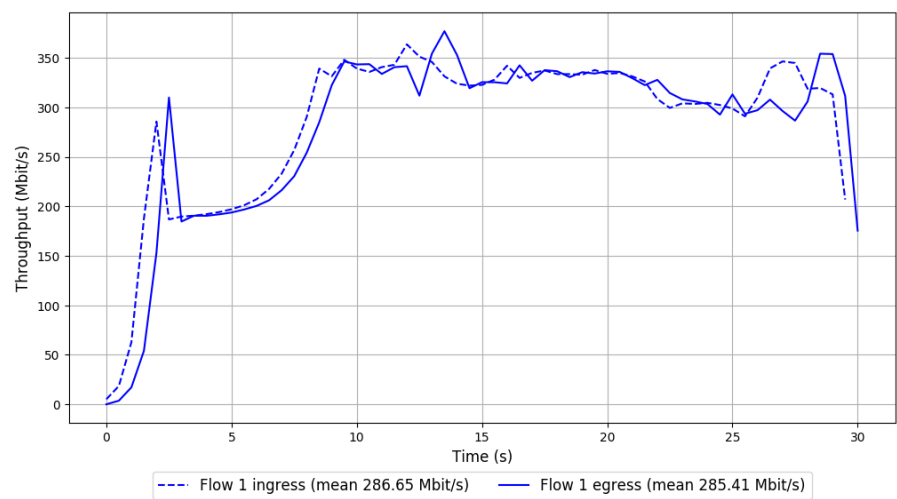


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 22:38:30
End at: 2018-06-30 22:39:01
Local clock offset: -0.04 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2018-07-01 03:23:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.41 Mbit/s
95th percentile per-packet one-way delay: 139.428 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 285.41 Mbit/s
95th percentile per-packet one-way delay: 139.428 ms
Loss rate: 0.84%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 23:00:44

End at: 2018-06-30 23:01:14

Local clock offset: -0.053 ms

Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-01 03:23:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.69 Mbit/s

95th percentile per-packet one-way delay: 186.698 ms

Loss rate: 1.75%

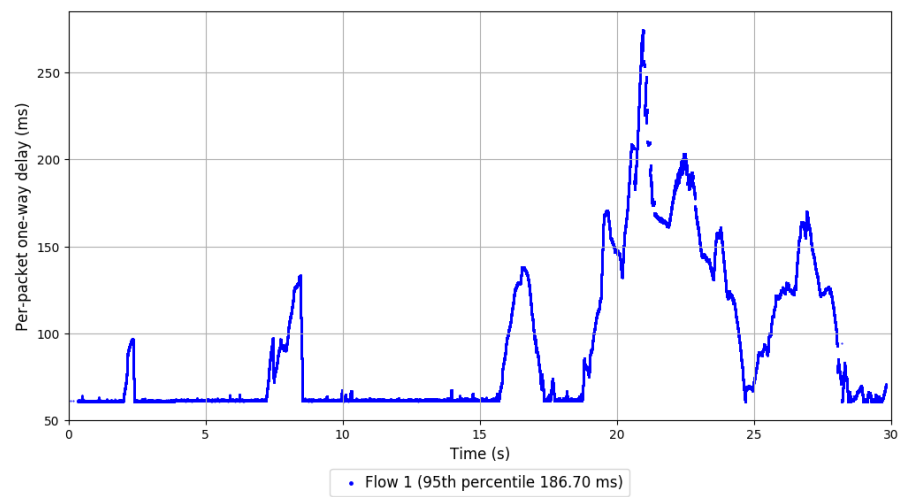
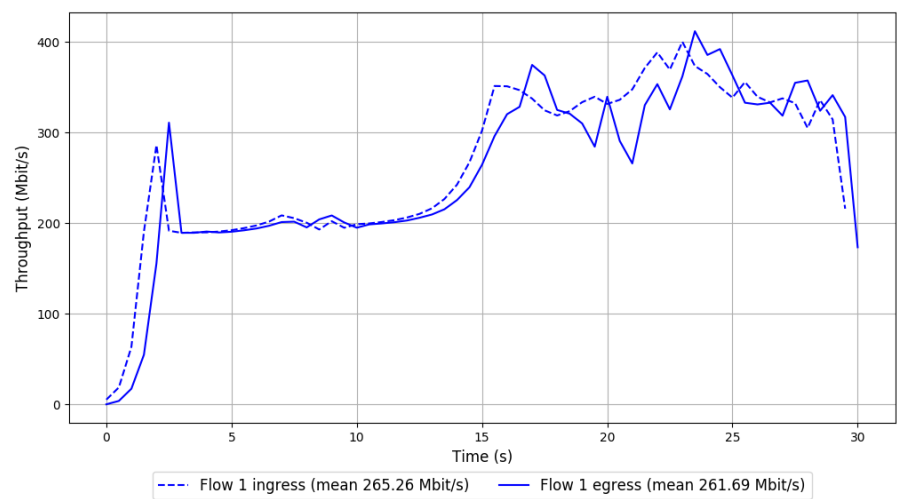
-- Flow 1:

Average throughput: 261.69 Mbit/s

95th percentile per-packet one-way delay: 186.698 ms

Loss rate: 1.75%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 23:22:41

End at: 2018-06-30 23:23:11

Local clock offset: -0.006 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-01 03:23:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.84 Mbit/s

95th percentile per-packet one-way delay: 120.589 ms

Loss rate: 0.56%

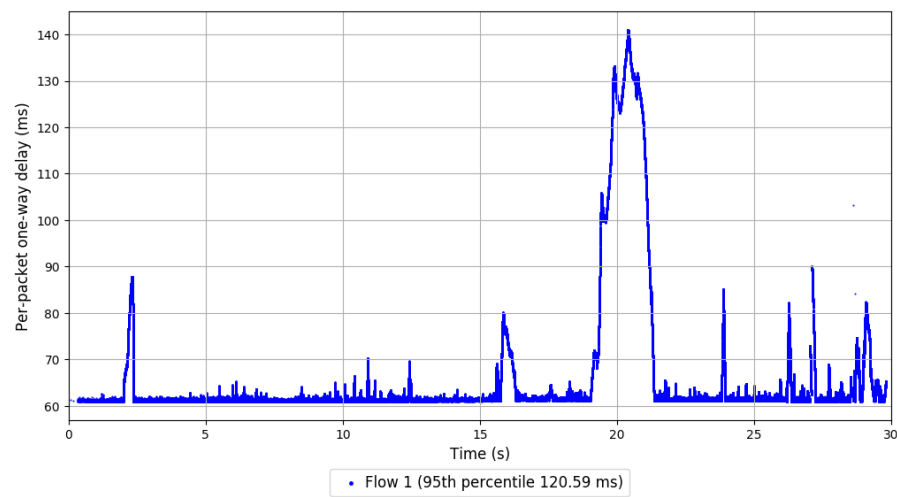
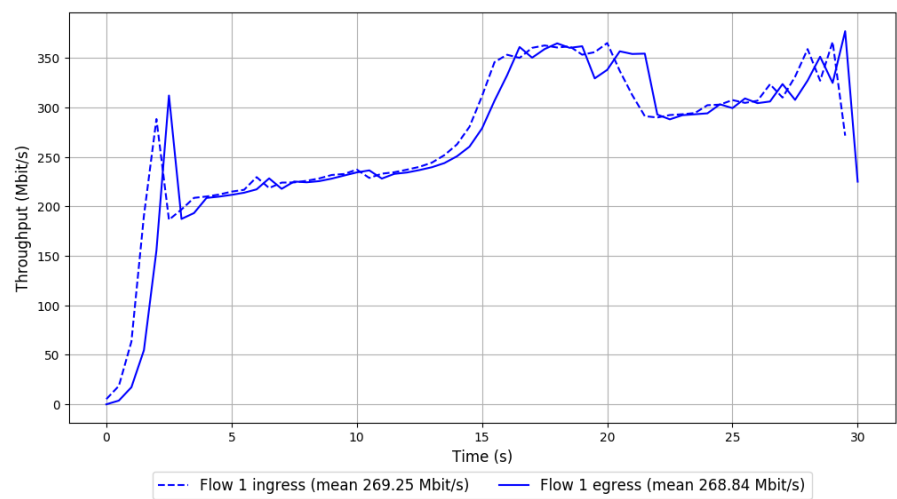
-- Flow 1:

Average throughput: 268.84 Mbit/s

95th percentile per-packet one-way delay: 120.589 ms

Loss rate: 0.56%

Run 3: Report of PCC-Expr — Data Link

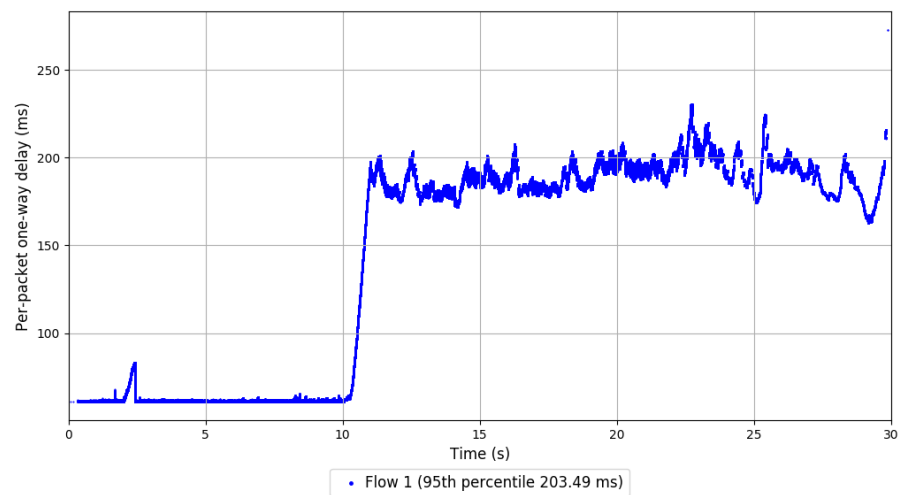
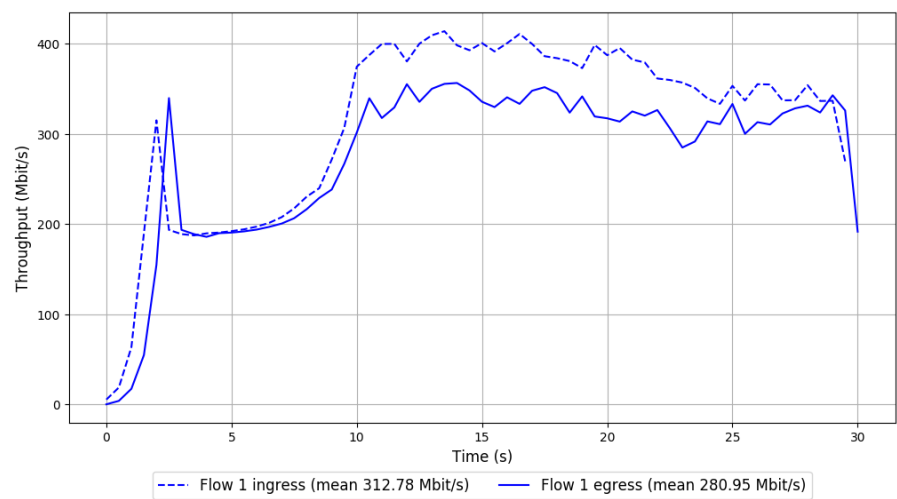


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 23:44:39
End at: 2018-06-30 23:45:09
Local clock offset: 0.019 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-01 03:24:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.95 Mbit/s
95th percentile per-packet one-way delay: 203.488 ms
Loss rate: 10.43%
-- Flow 1:
Average throughput: 280.95 Mbit/s
95th percentile per-packet one-way delay: 203.488 ms
Loss rate: 10.43%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-01 00:06:32

End at: 2018-07-01 00:07:02

Local clock offset: 0.016 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-01 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.94 Mbit/s

95th percentile per-packet one-way delay: 124.239 ms

Loss rate: 0.70%

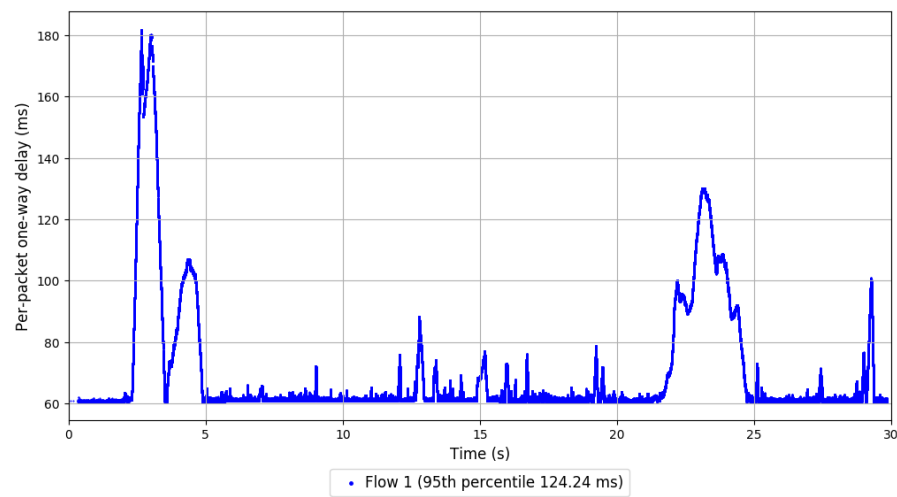
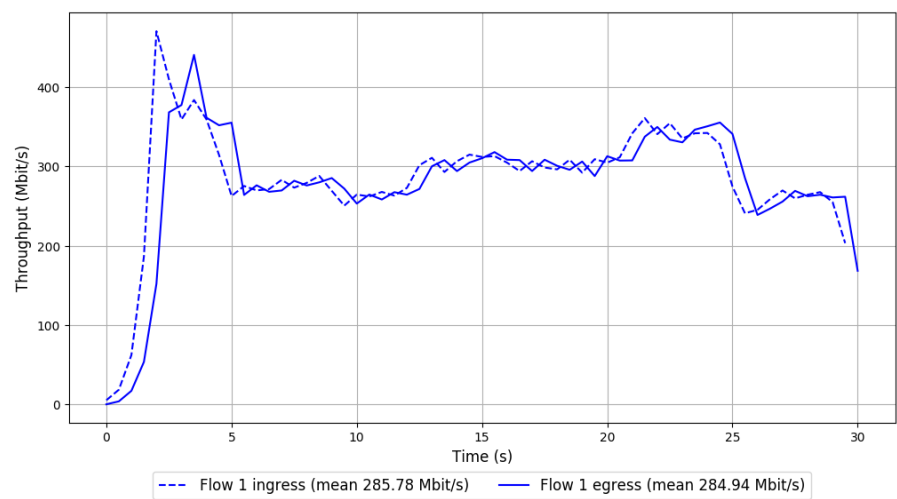
-- Flow 1:

Average throughput: 284.94 Mbit/s

95th percentile per-packet one-way delay: 124.239 ms

Loss rate: 0.70%

Run 5: Report of PCC-Expr — Data Link

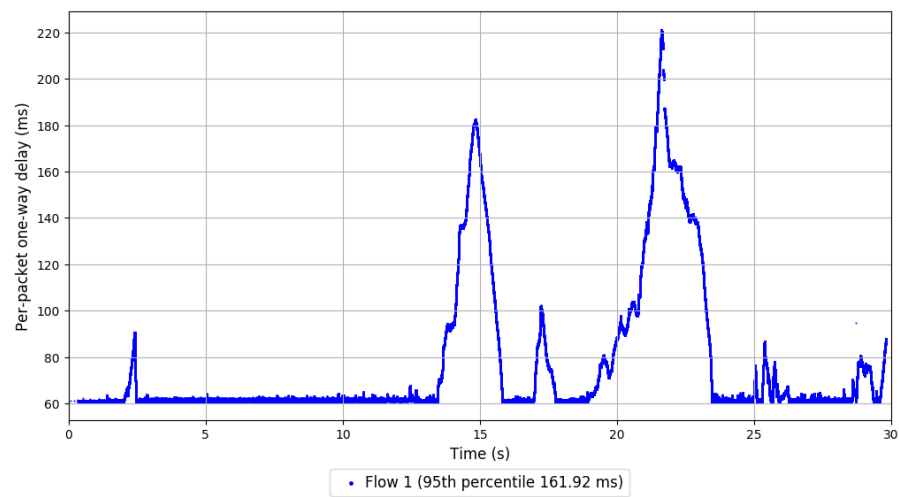
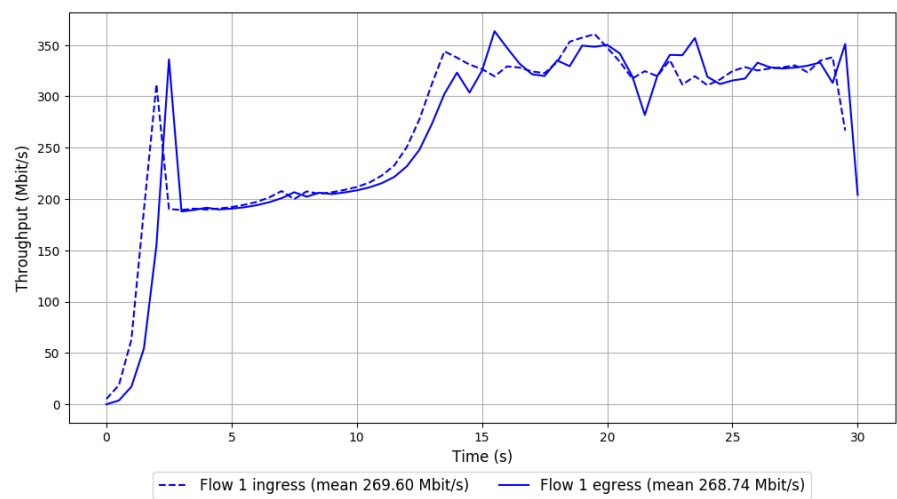


Run 6: Statistics of PCC-Expr

Start at: 2018-07-01 00:28:22
End at: 2018-07-01 00:28:52
Local clock offset: -0.009 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-01 03:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.74 Mbit/s
95th percentile per-packet one-way delay: 161.919 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 268.74 Mbit/s
95th percentile per-packet one-way delay: 161.919 ms
Loss rate: 0.73%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-01 00:50:18

End at: 2018-07-01 00:50:48

Local clock offset: -0.01 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-01 03:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.08 Mbit/s

95th percentile per-packet one-way delay: 100.504 ms

Loss rate: 0.39%

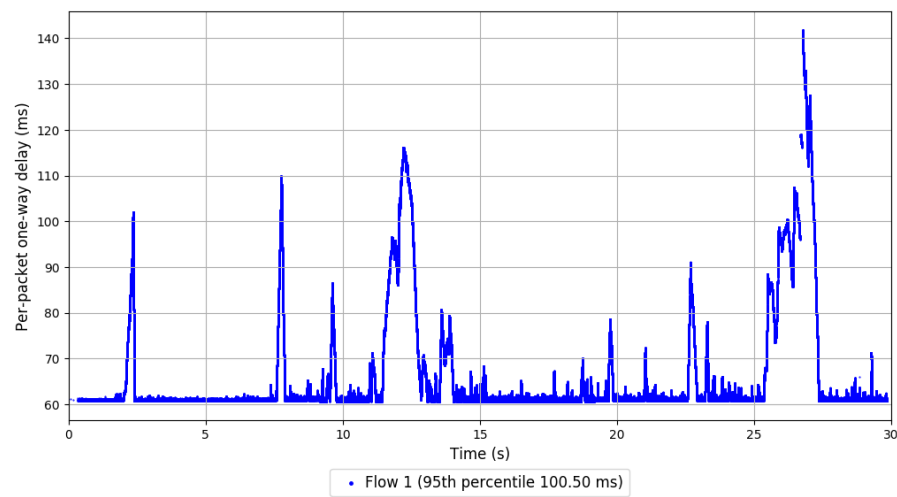
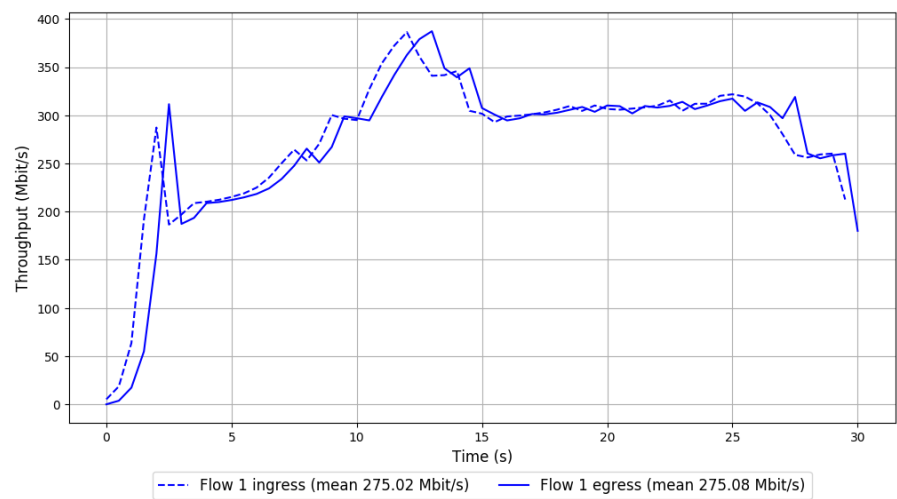
-- Flow 1:

Average throughput: 275.08 Mbit/s

95th percentile per-packet one-way delay: 100.504 ms

Loss rate: 0.39%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-01 01:12:17

End at: 2018-07-01 01:12:47

Local clock offset: -0.051 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-07-01 03:31:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.98 Mbit/s

95th percentile per-packet one-way delay: 98.582 ms

Loss rate: 0.53%

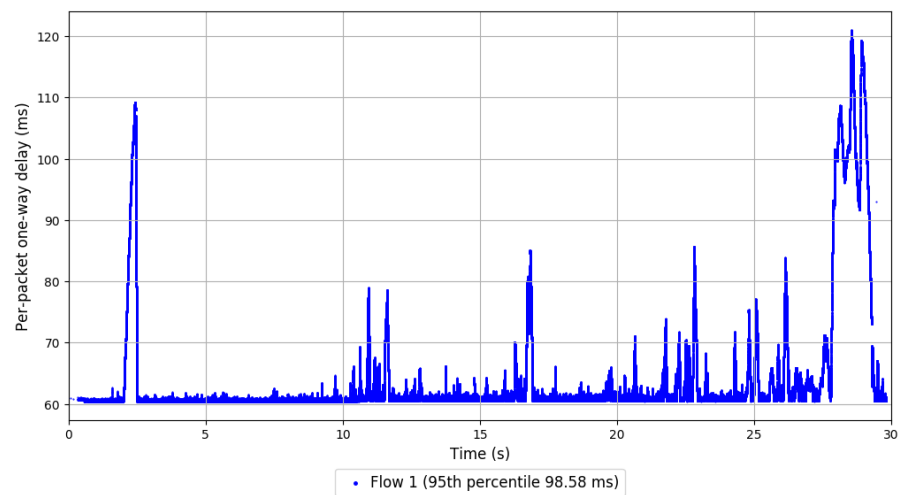
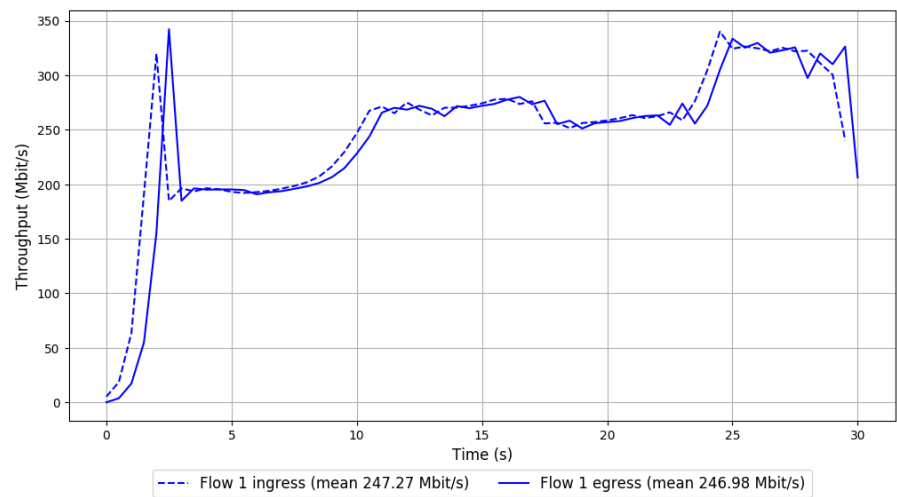
-- Flow 1:

Average throughput: 246.98 Mbit/s

95th percentile per-packet one-way delay: 98.582 ms

Loss rate: 0.53%

Run 8: Report of PCC-Expr — Data Link

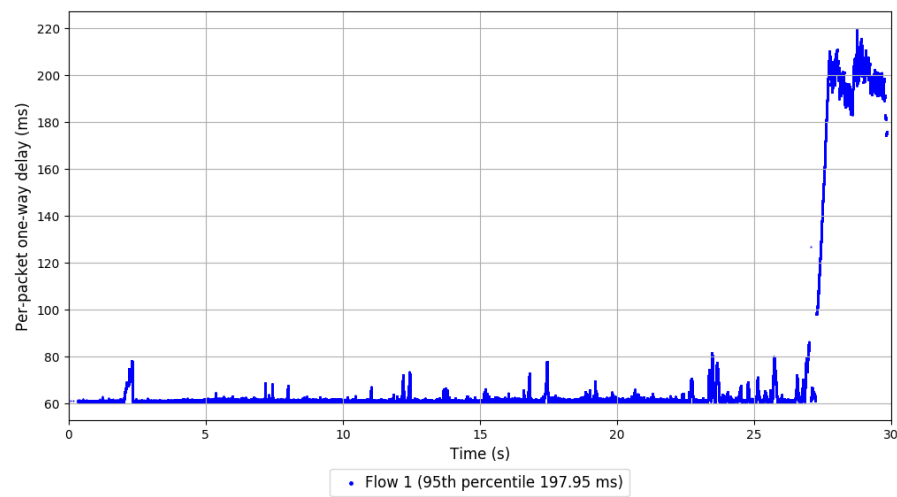
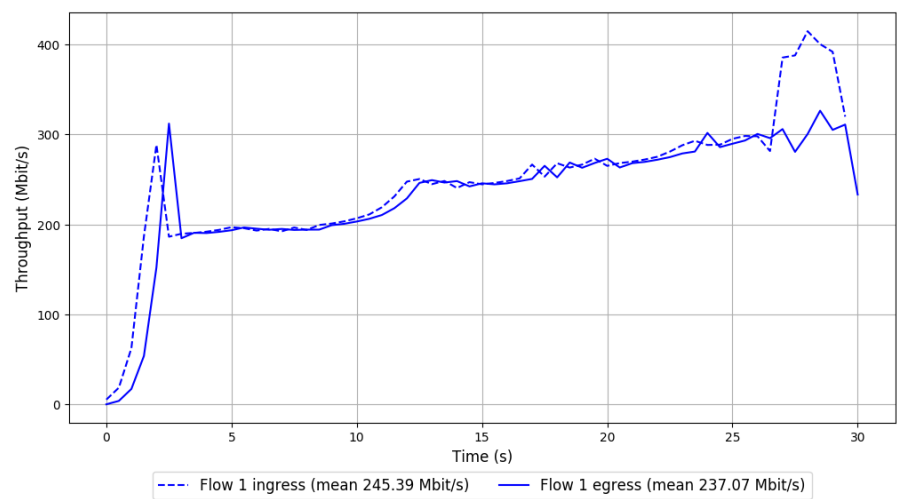


Run 9: Statistics of PCC-Expr

Start at: 2018-07-01 01:34:01
End at: 2018-07-01 01:34:31
Local clock offset: -0.117 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-01 03:32:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.07 Mbit/s
95th percentile per-packet one-way delay: 197.947 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 237.07 Mbit/s
95th percentile per-packet one-way delay: 197.947 ms
Loss rate: 3.79%

Run 9: Report of PCC-Expr — Data Link

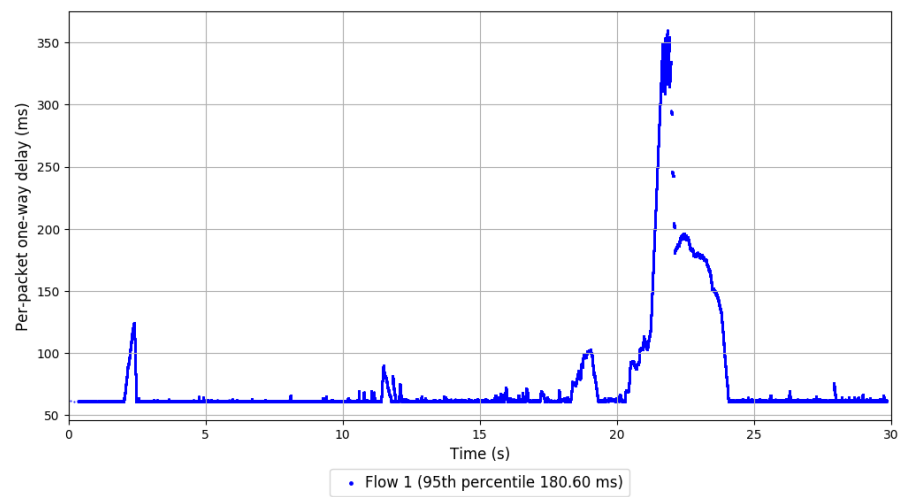
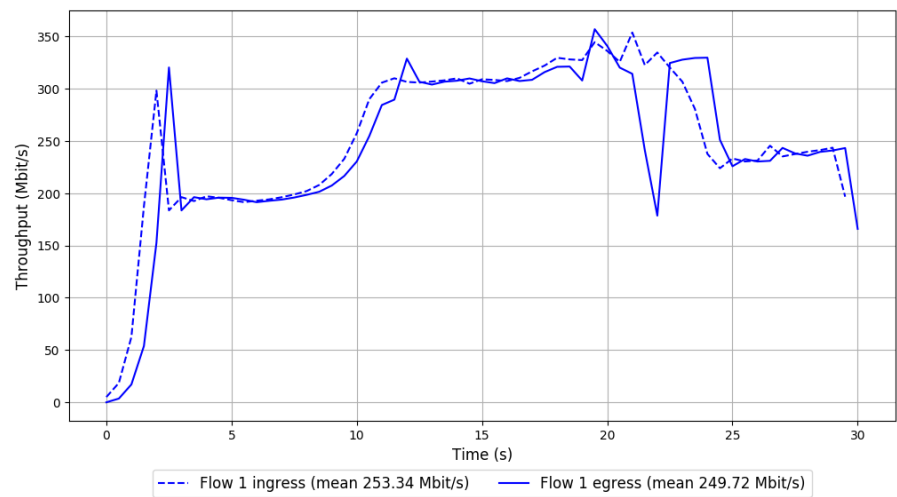


Run 10: Statistics of PCC-Expr

Start at: 2018-07-01 01:55:57
End at: 2018-07-01 01:56:27
Local clock offset: -0.039 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-01 03:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.72 Mbit/s
95th percentile per-packet one-way delay: 180.605 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 249.72 Mbit/s
95th percentile per-packet one-way delay: 180.605 ms
Loss rate: 1.83%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

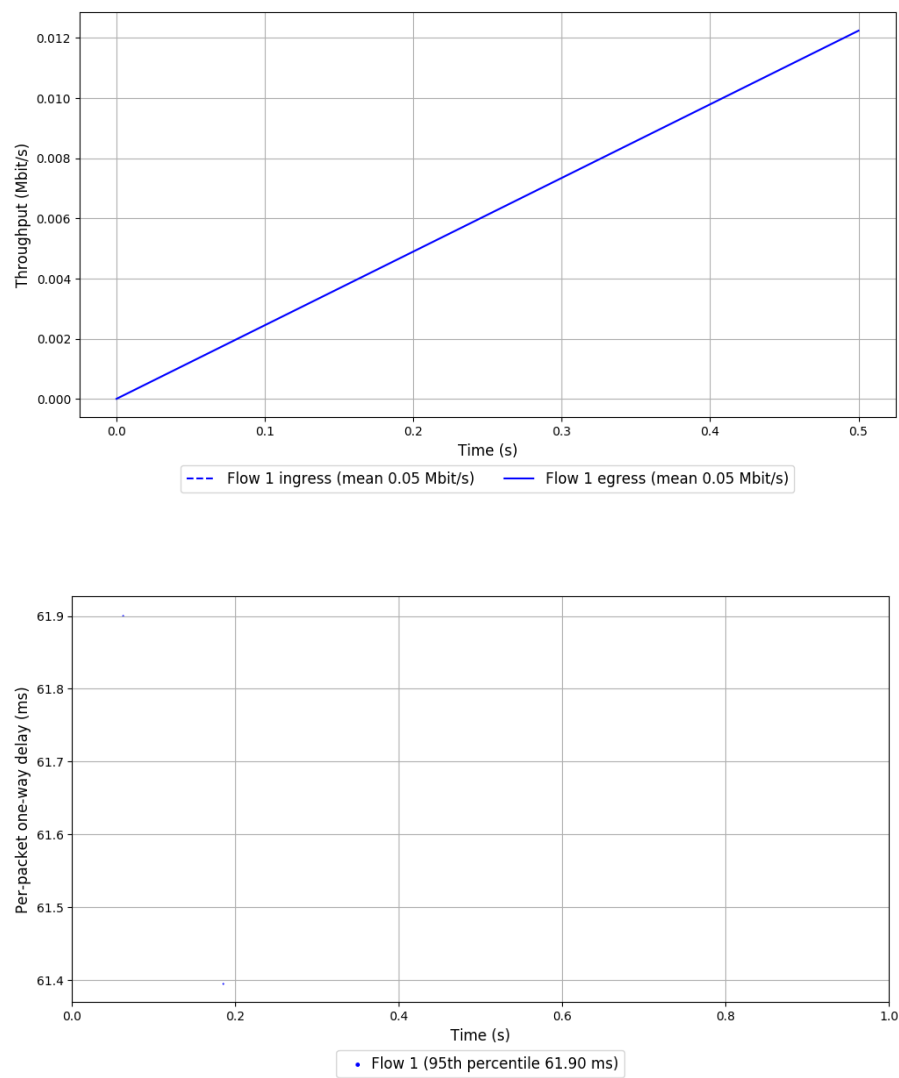
Start at: 2018-06-30 22:45:06

End at: 2018-06-30 22:45:36

Local clock offset: -0.044 ms

Remote clock offset: -0.298 ms

Run 1: Report of QUIC Cubic — Data Link

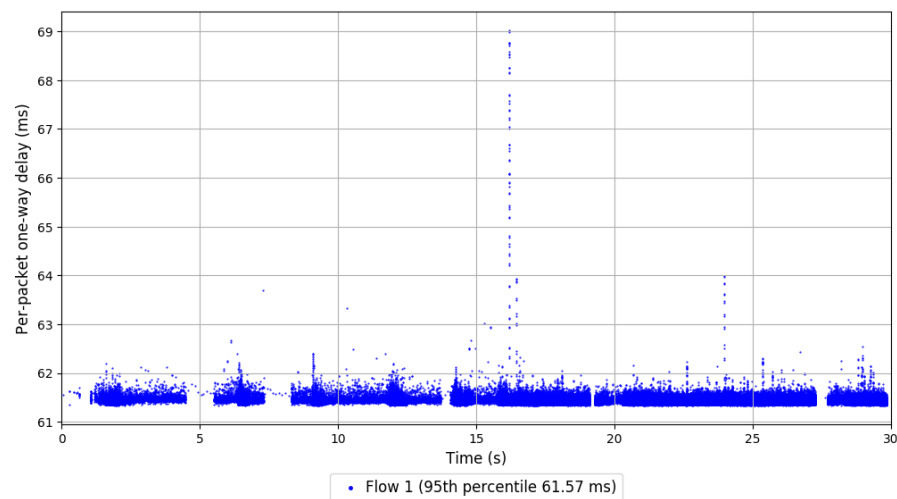
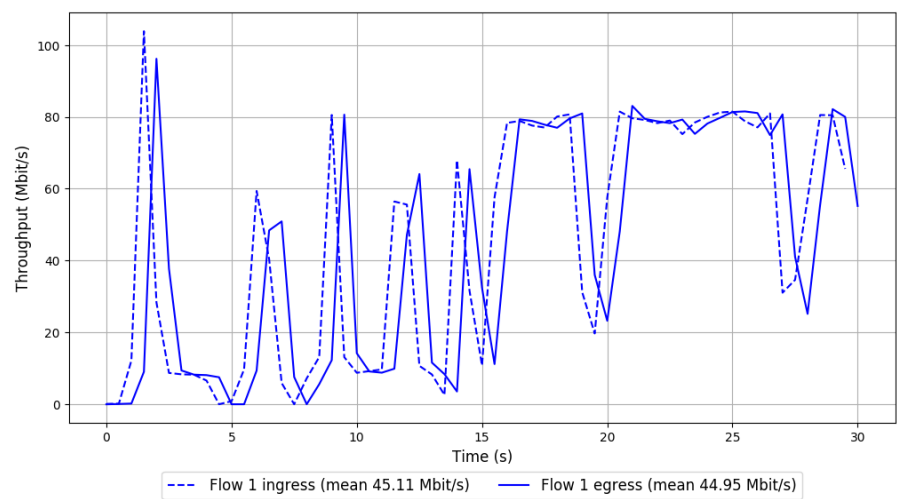


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 23:07:11
End at: 2018-06-30 23:07:41
Local clock offset: -0.047 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-01 03:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 61.568 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 61.568 ms
Loss rate: 0.75%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 23:29:05

End at: 2018-06-30 23:29:35

Local clock offset: -0.041 ms

Remote clock offset: -1.188 ms

Below is generated by plot.py at 2018-07-01 03:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 62.215 ms

Loss rate: 0.62%

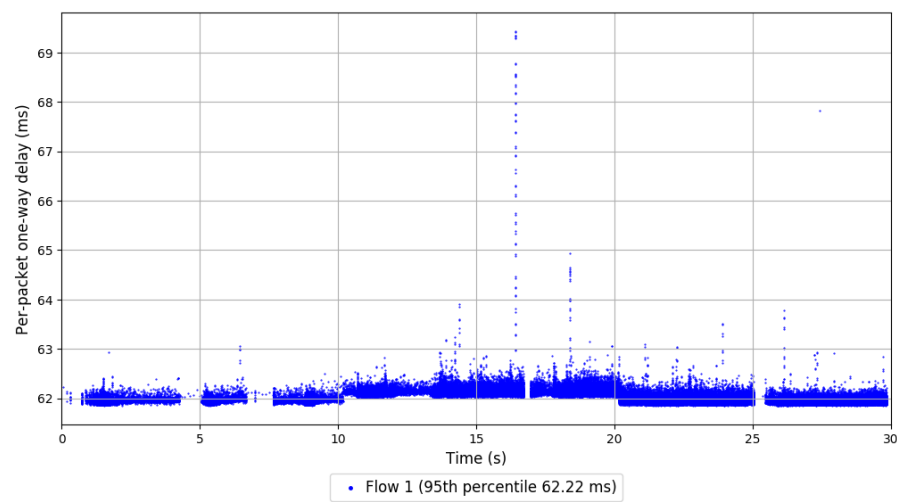
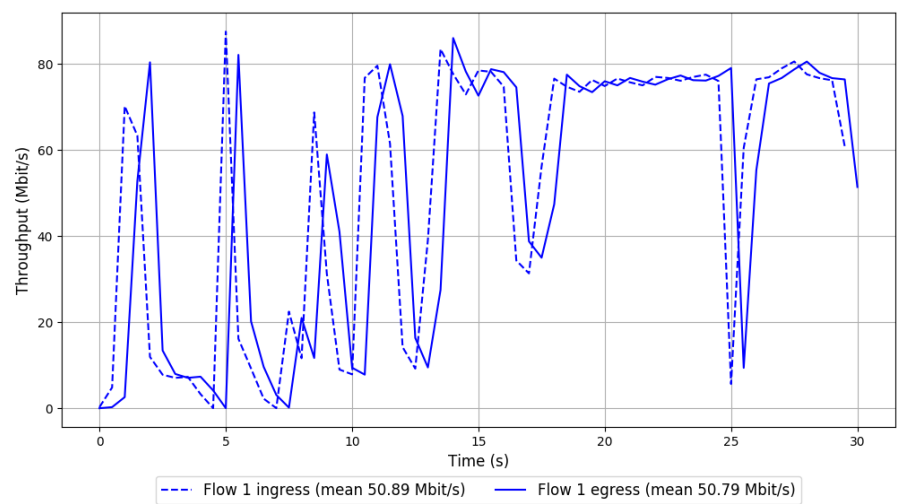
-- Flow 1:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 62.215 ms

Loss rate: 0.62%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 23:51:06

End at: 2018-06-30 23:51:36

Local clock offset: 0.002 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-01 03:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 61.404 ms

Loss rate: 0.58%

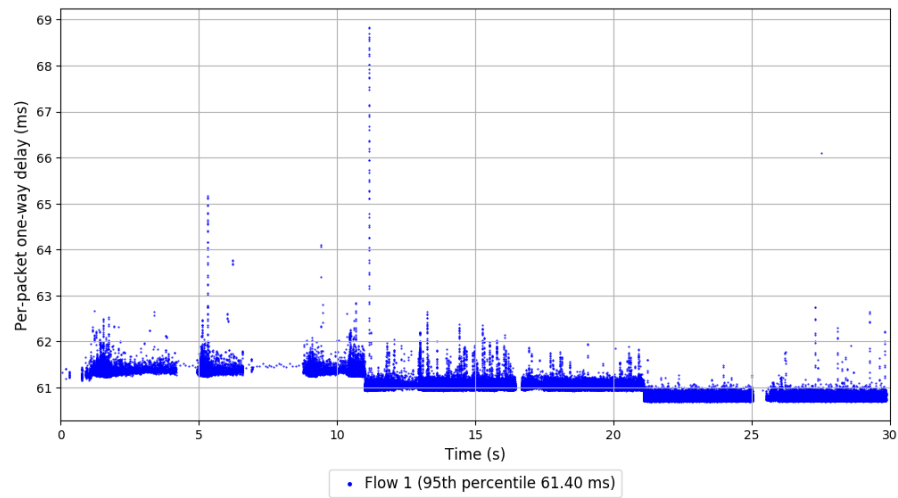
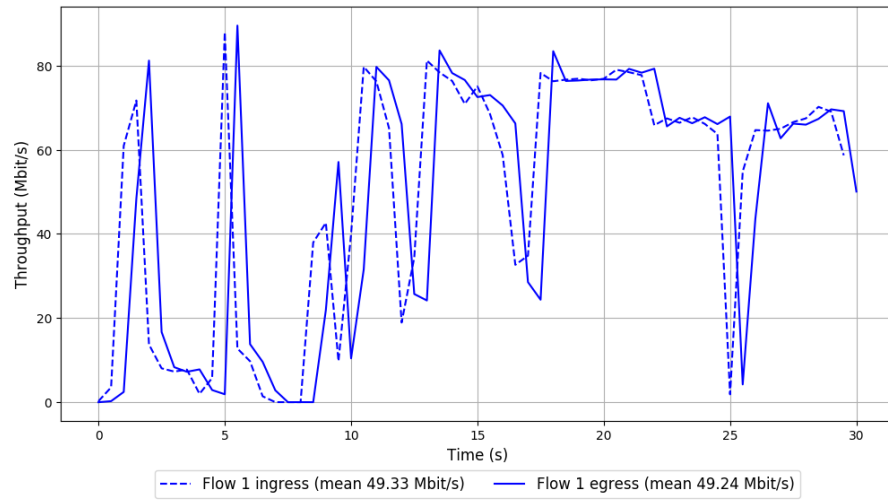
-- Flow 1:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 61.404 ms

Loss rate: 0.58%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-01 00:12:53

End at: 2018-07-01 00:13:23

Local clock offset: -0.029 ms

Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-01 03:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 61.032 ms

Loss rate: 0.66%

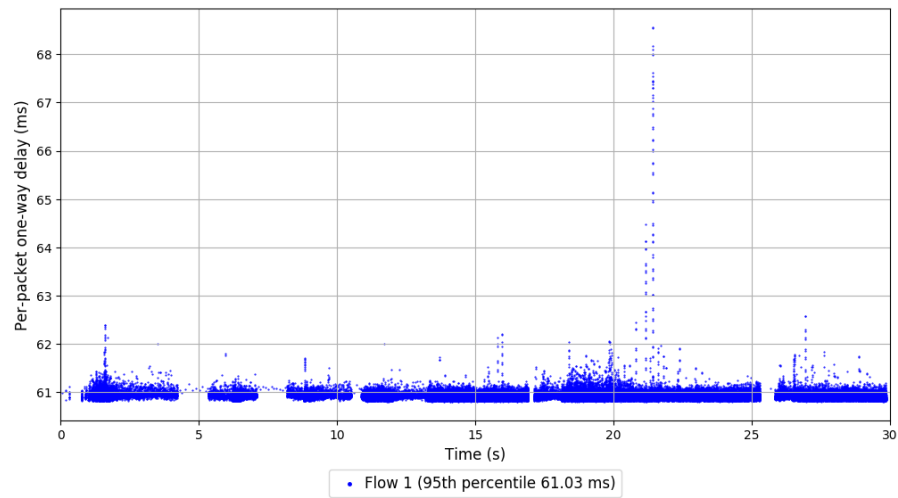
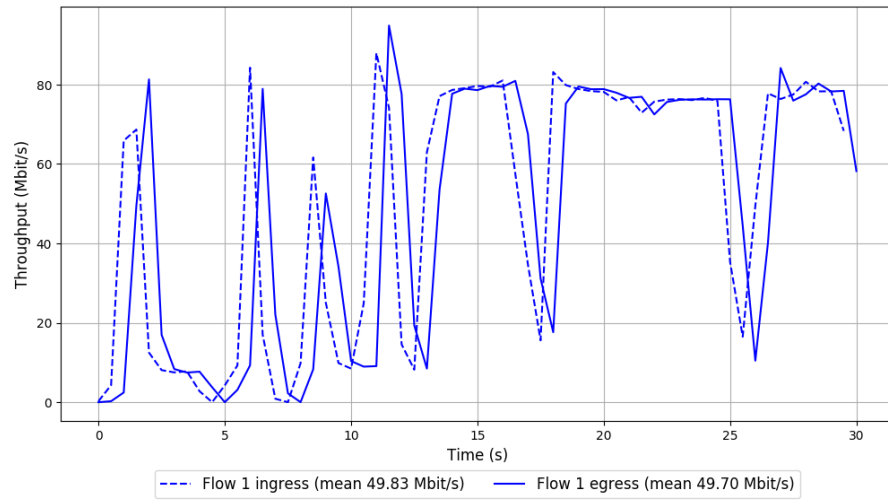
-- Flow 1:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 61.032 ms

Loss rate: 0.66%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-01 00:34:46

End at: 2018-07-01 00:35:16

Local clock offset: -0.023 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-01 03:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.55%

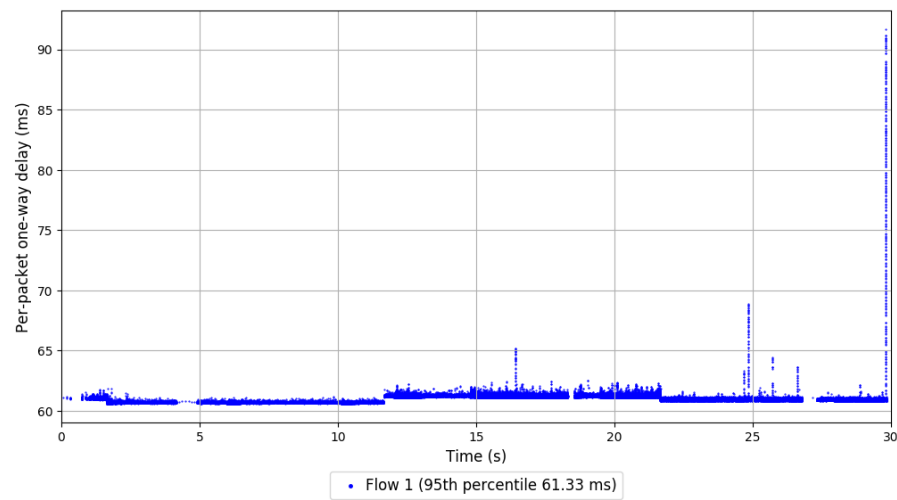
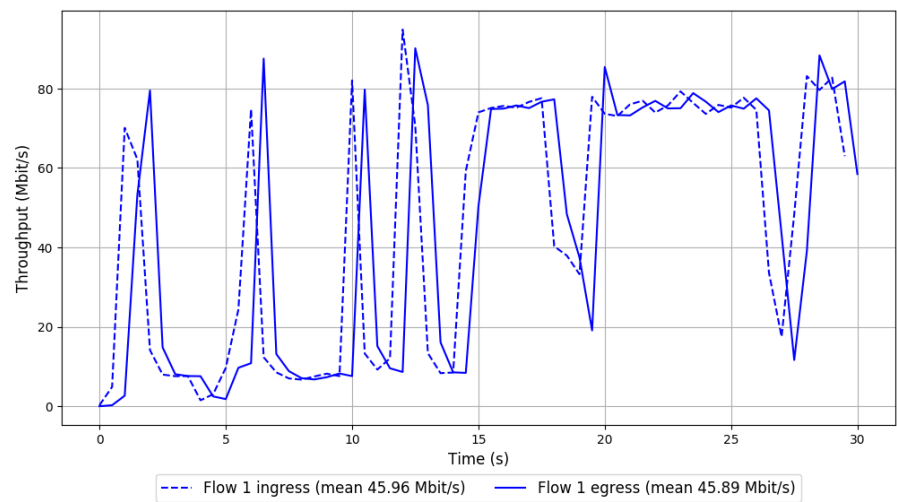
-- Flow 1:

Average throughput: 45.89 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.55%

Run 6: Report of QUIC Cubic — Data Link

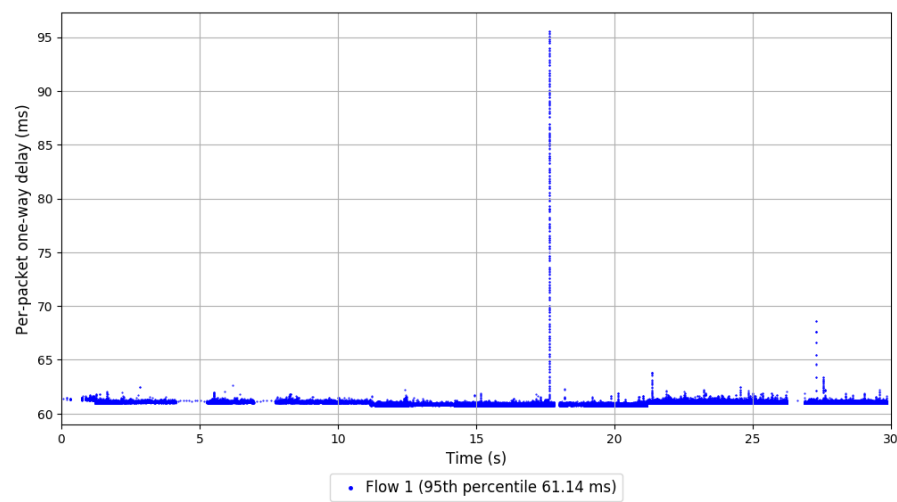
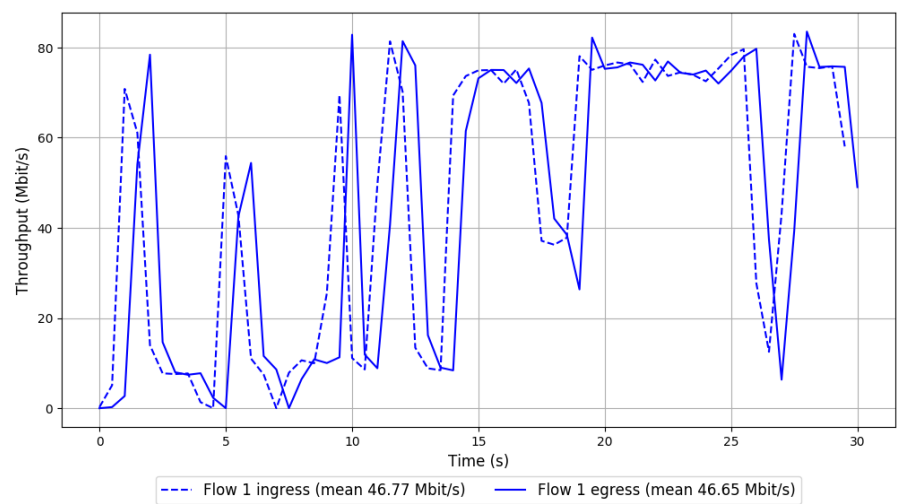


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-01 00:56:44
End at: 2018-07-01 00:57:14
Local clock offset: -0.048 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-01 03:33:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 61.139 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 61.139 ms
Loss rate: 0.65%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-01 01:18:34

End at: 2018-07-01 01:19:04

Local clock offset: -0.044 ms

Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.66%

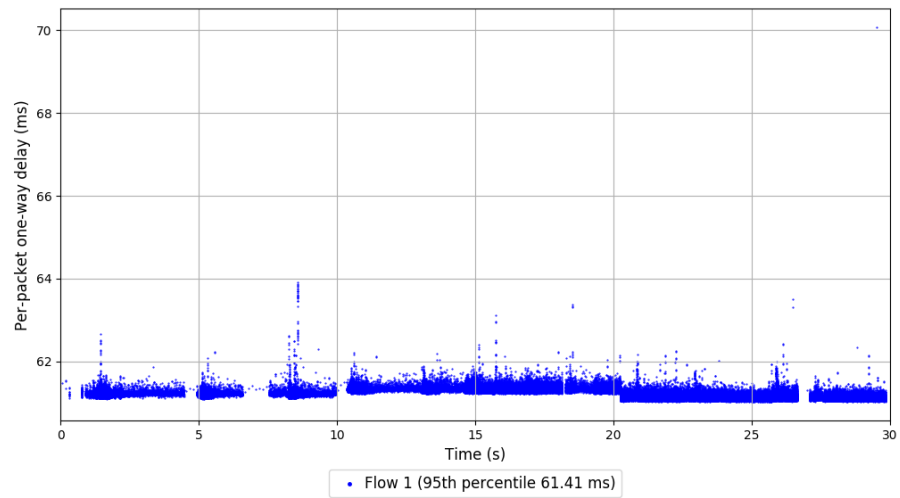
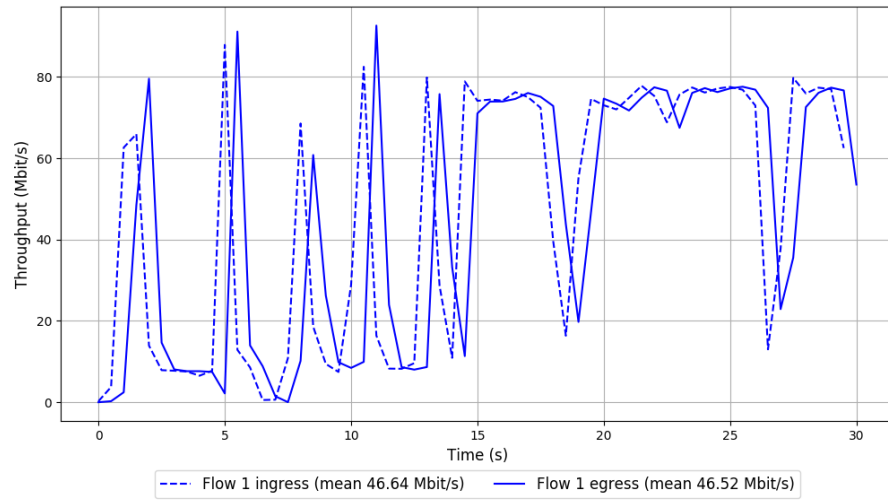
-- Flow 1:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.66%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-01 01:40:21

End at: 2018-07-01 01:40:51

Local clock offset: -0.031 ms

Remote clock offset: 1.145 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.63 Mbit/s

95th percentile per-packet one-way delay: 59.947 ms

Loss rate: 0.65%

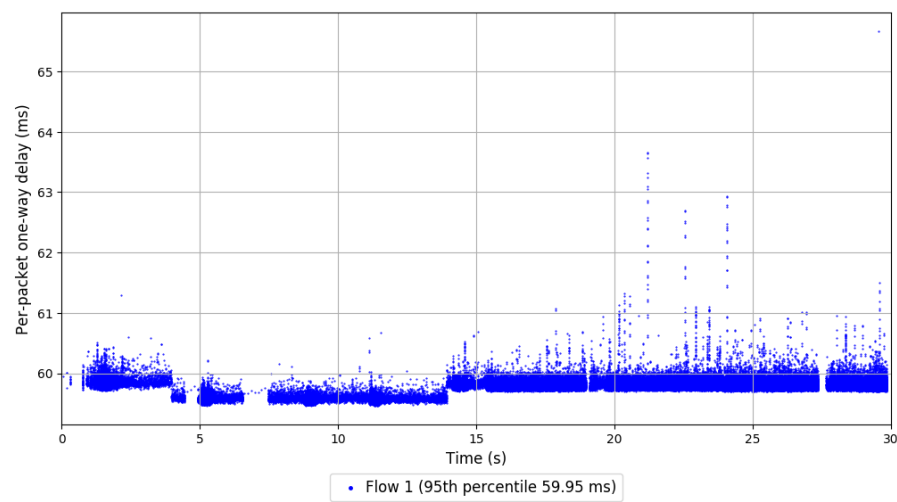
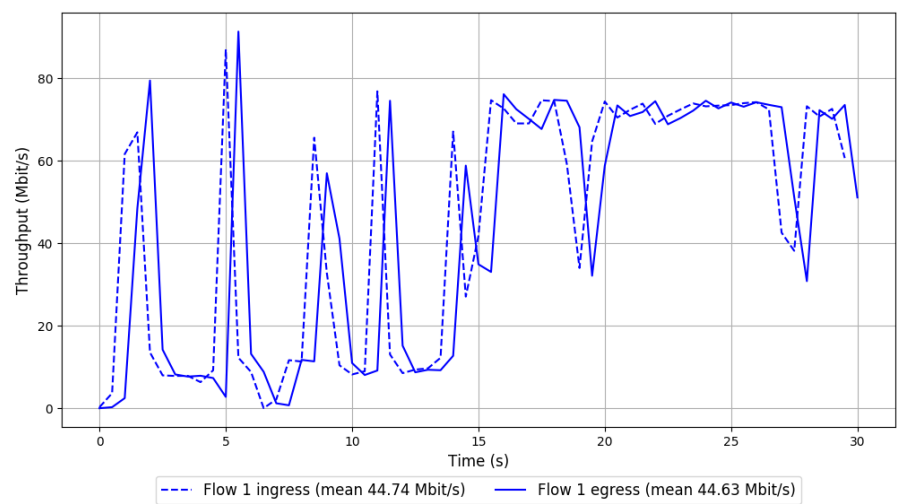
-- Flow 1:

Average throughput: 44.63 Mbit/s

95th percentile per-packet one-way delay: 59.947 ms

Loss rate: 0.65%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-01 02:02:15

End at: 2018-07-01 02:02:45

Local clock offset: -0.05 ms

Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 61.283 ms

Loss rate: 0.61%

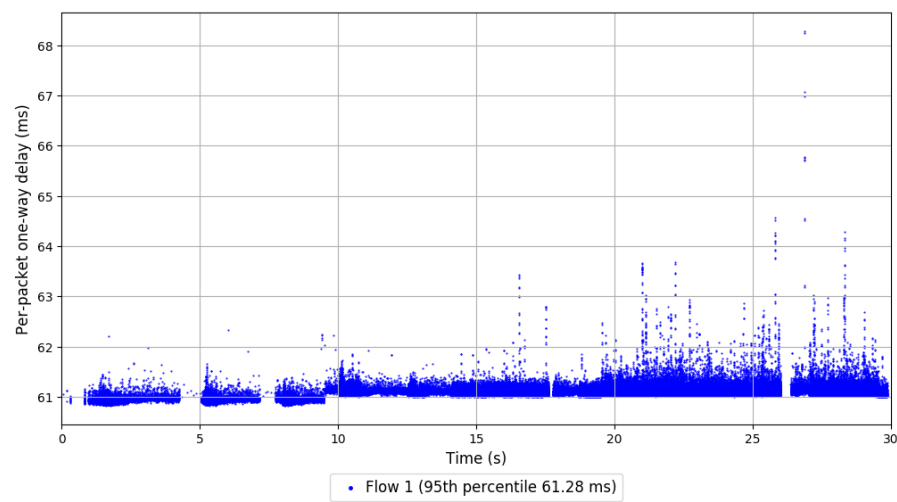
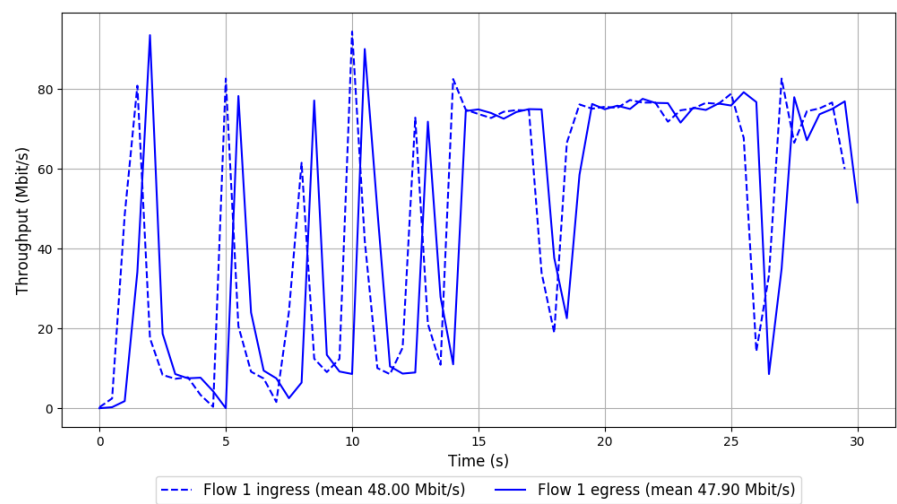
-- Flow 1:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 61.283 ms

Loss rate: 0.61%

Run 10: Report of QUIC Cubic — Data Link

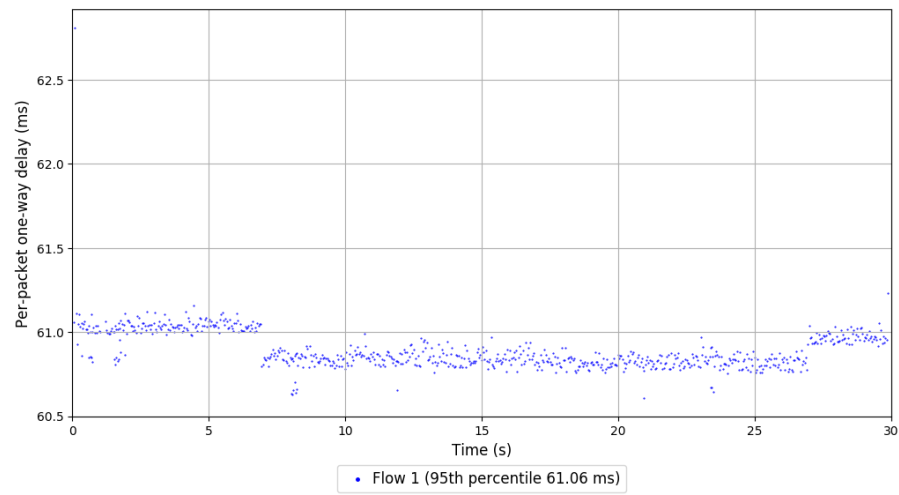
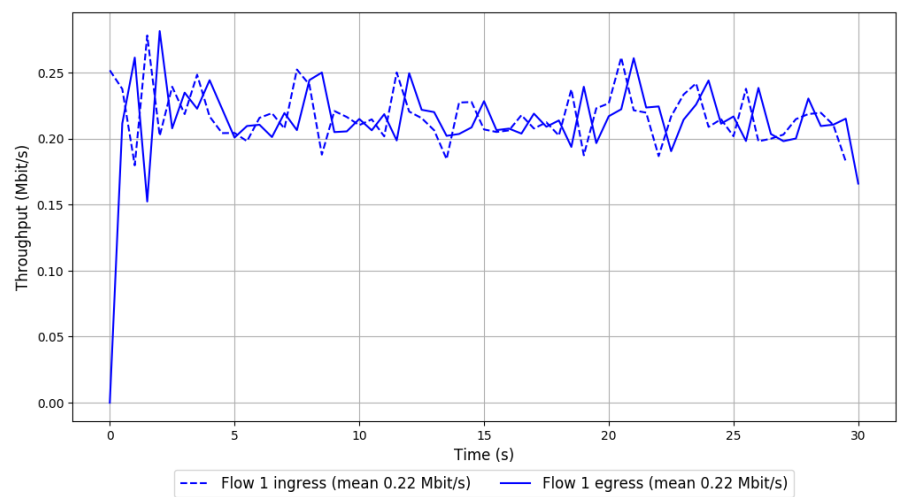


```
Run 1: Statistics of SCReAM

Start at: 2018-06-30 22:41:38
End at: 2018-06-30 22:42:08
Local clock offset: -0.051 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-07-01 03:33:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.062 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.062 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-30 23:03:48

End at: 2018-06-30 23:04:18

Local clock offset: -0.05 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.406 ms

Loss rate: 0.38%

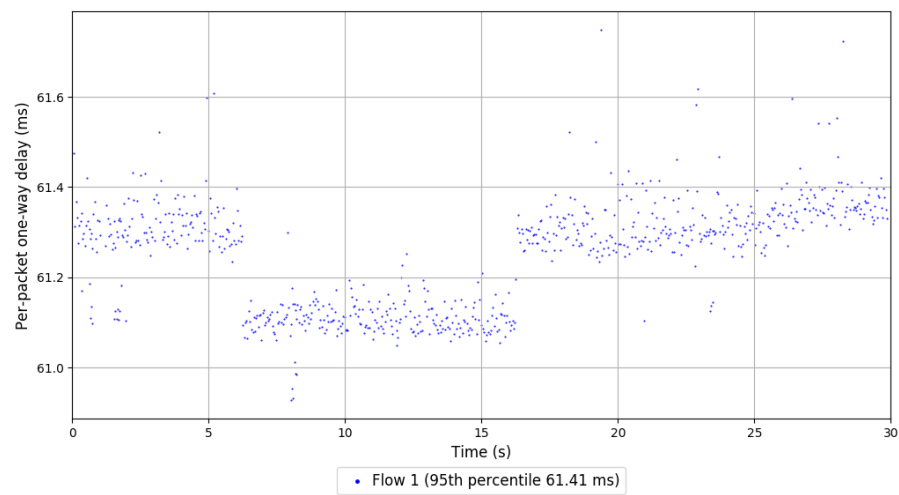
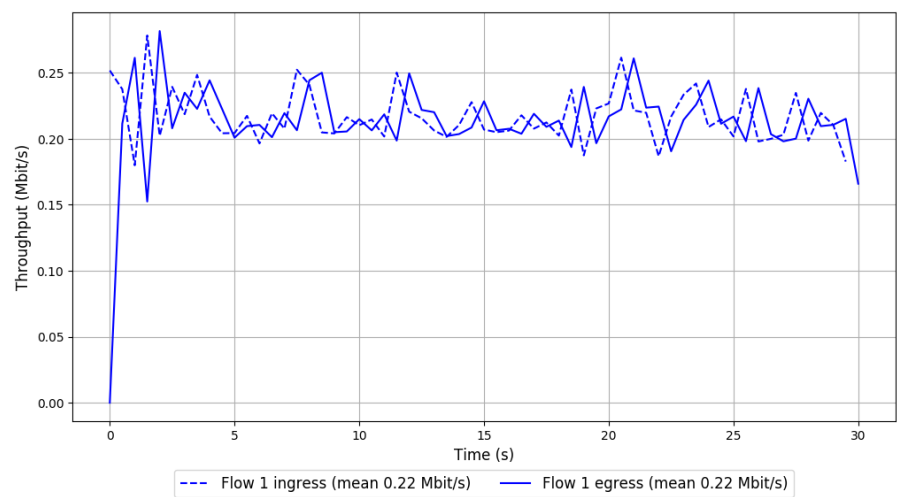
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.406 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-30 23:25:40

End at: 2018-06-30 23:26:10

Local clock offset: 0.022 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.266 ms

Loss rate: 0.38%

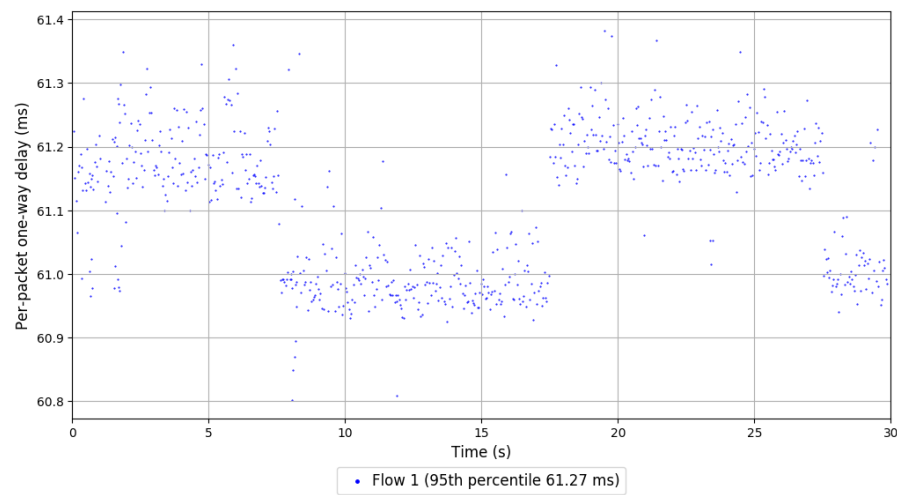
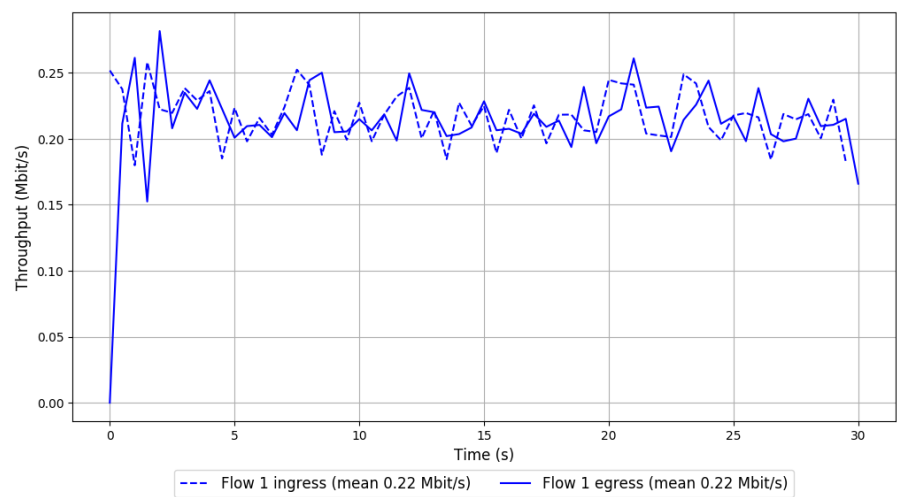
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.266 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-06-30 23:47:39

End at: 2018-06-30 23:48:09

Local clock offset: 0.034 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.190 ms

Loss rate: 0.38%

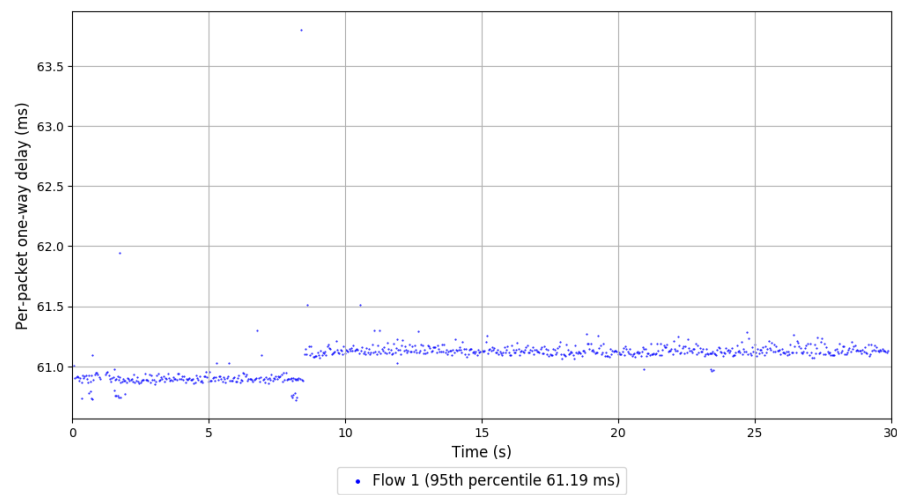
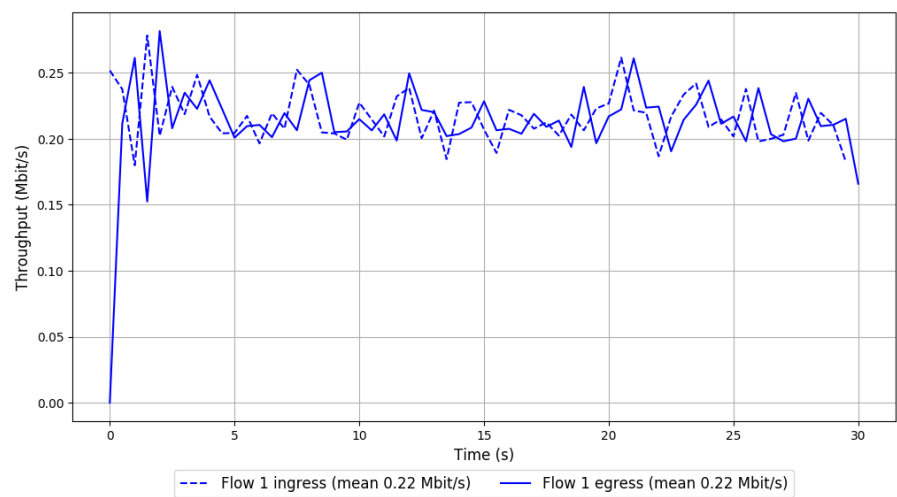
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.190 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

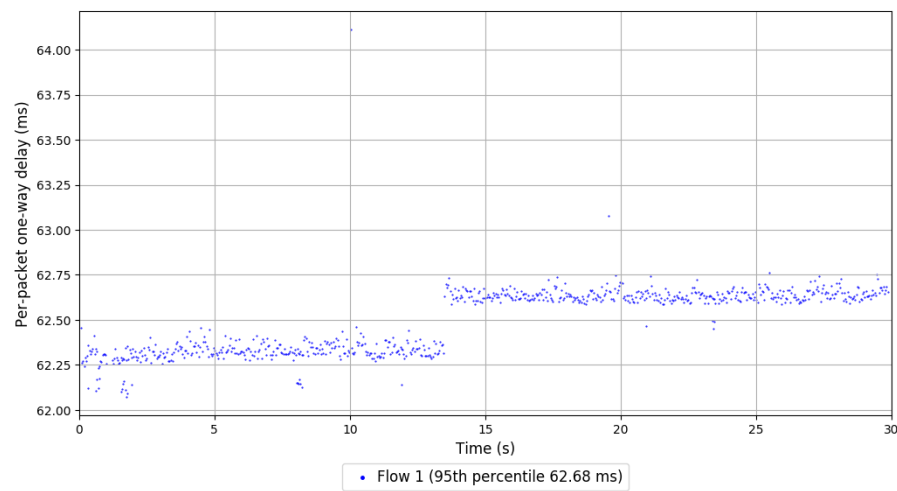
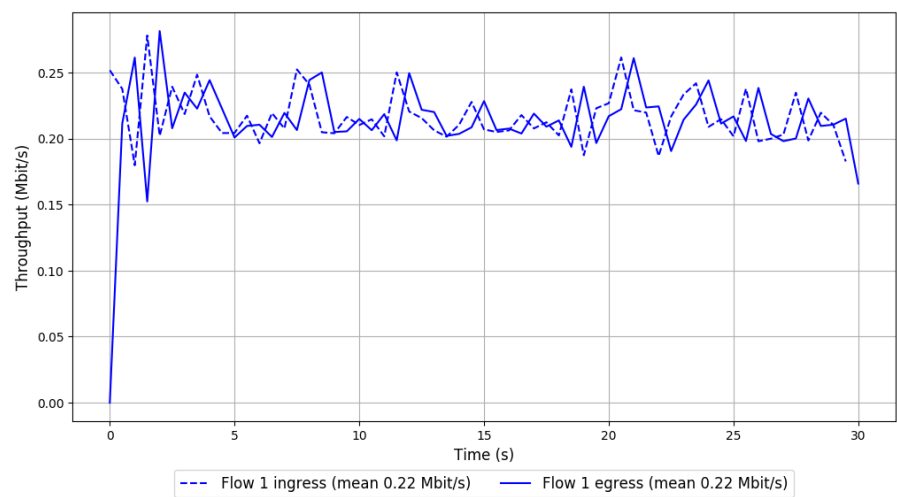


Run 5: Statistics of SCReAM

Start at: 2018-07-01 00:09:31
End at: 2018-07-01 00:10:01
Local clock offset: -0.012 ms
Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.683 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.683 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-01 00:31:21

End at: 2018-07-01 00:31:51

Local clock offset: -0.039 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.821 ms

Loss rate: 0.51%

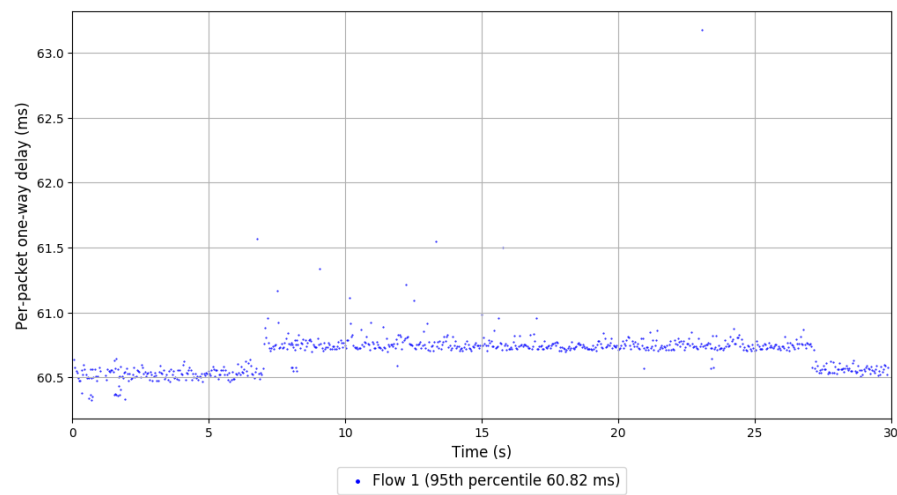
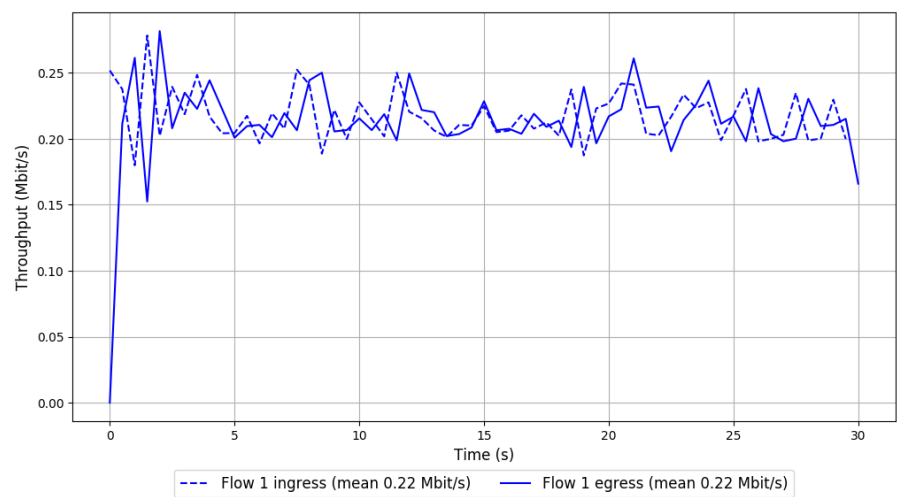
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.821 ms

Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

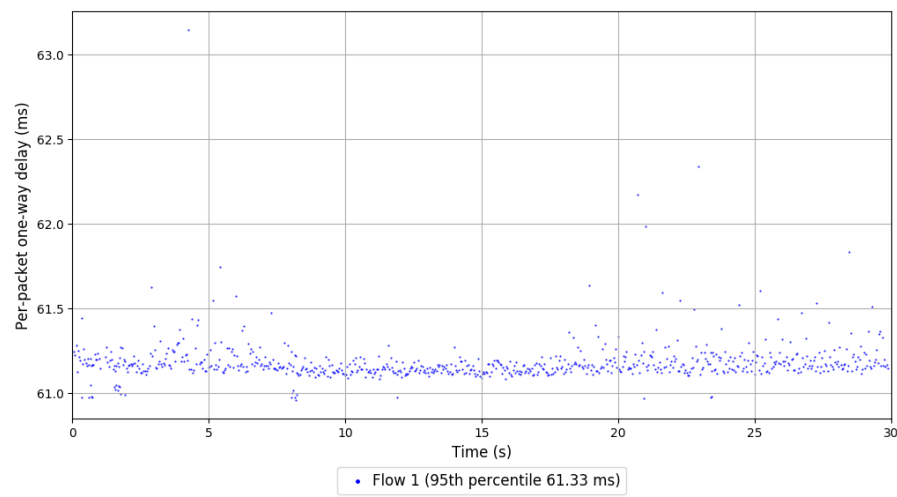
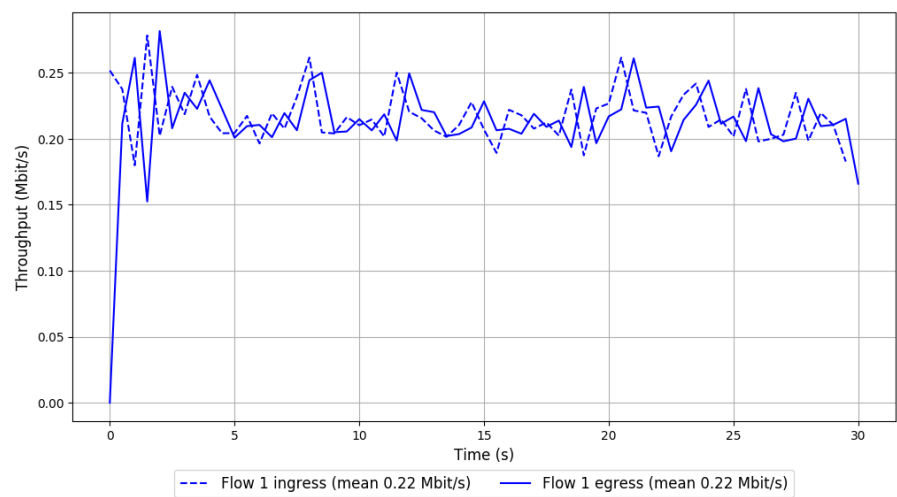


Run 7: Statistics of SCReAM

Start at: 2018-07-01 00:53:17
End at: 2018-07-01 00:53:47
Local clock offset: -0.065 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.330 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.330 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-01 01:15:13

End at: 2018-07-01 01:15:43

Local clock offset: -0.074 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.230 ms

Loss rate: 0.51%

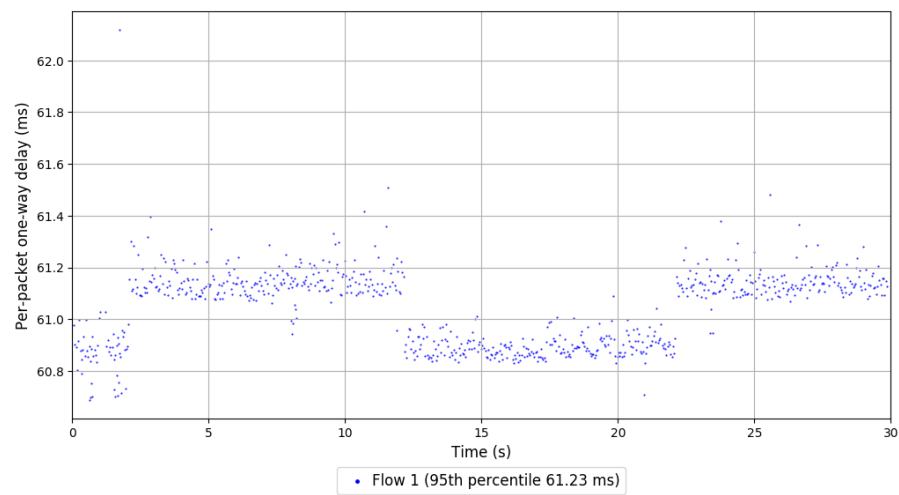
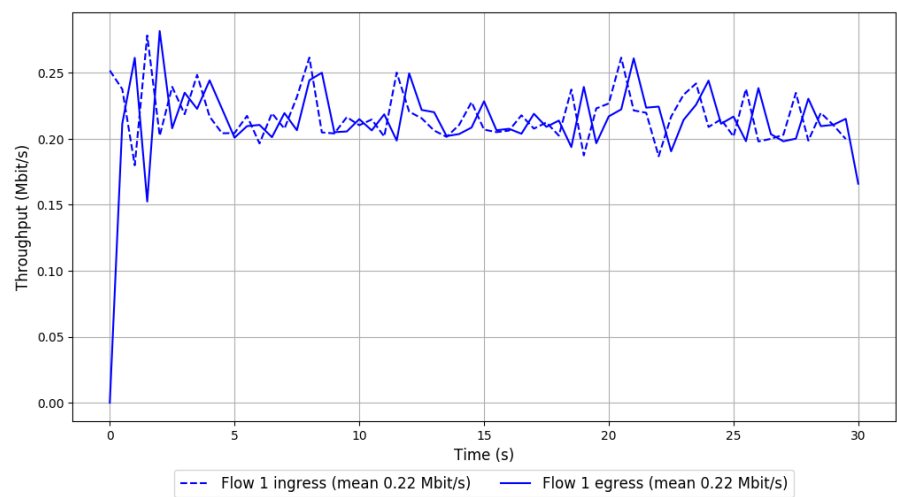
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.230 ms

Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

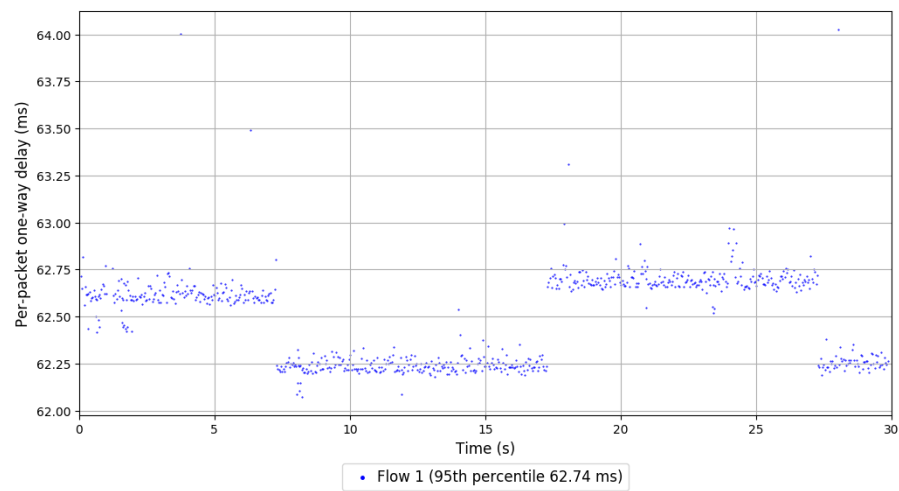
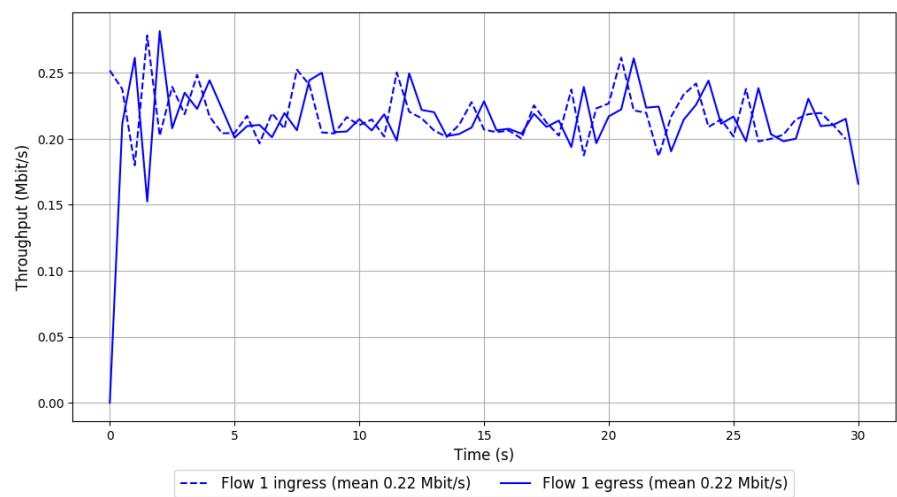


Run 9: Statistics of SCReAM

Start at: 2018-07-01 01:36:58
End at: 2018-07-01 01:37:28
Local clock offset: -0.029 ms
Remote clock offset: -1.352 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.744 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.744 ms
Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-01 01:58:54

End at: 2018-07-01 01:59:24

Local clock offset: -0.007 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.39%

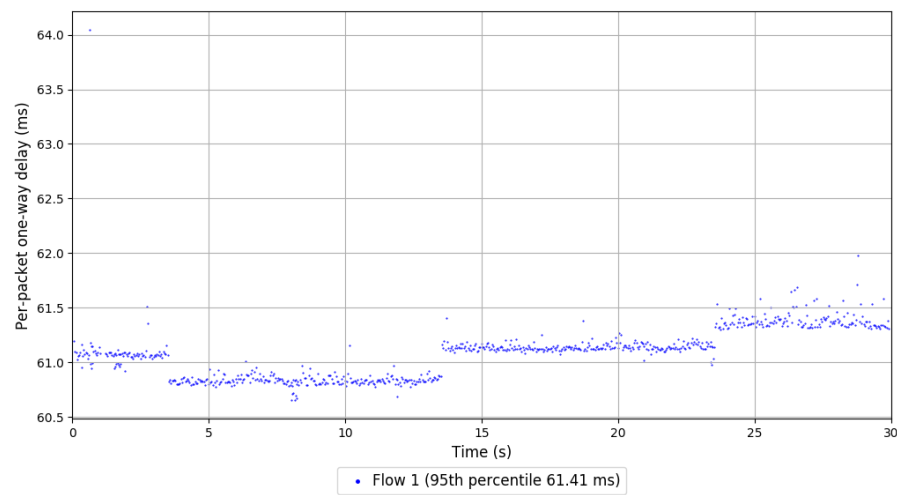
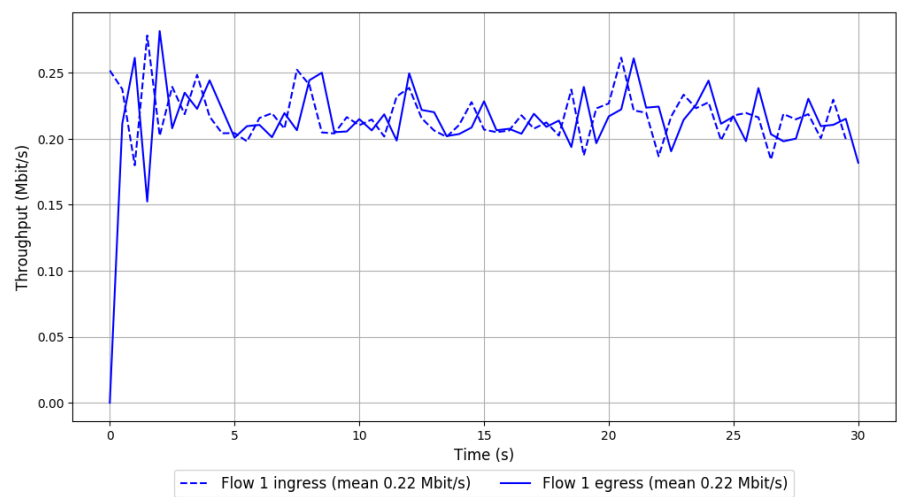
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.414 ms

Loss rate: 0.39%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-30 22:25:26

End at: 2018-06-30 22:25:56

Local clock offset: -0.034 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 62.014 ms

Loss rate: 0.02%

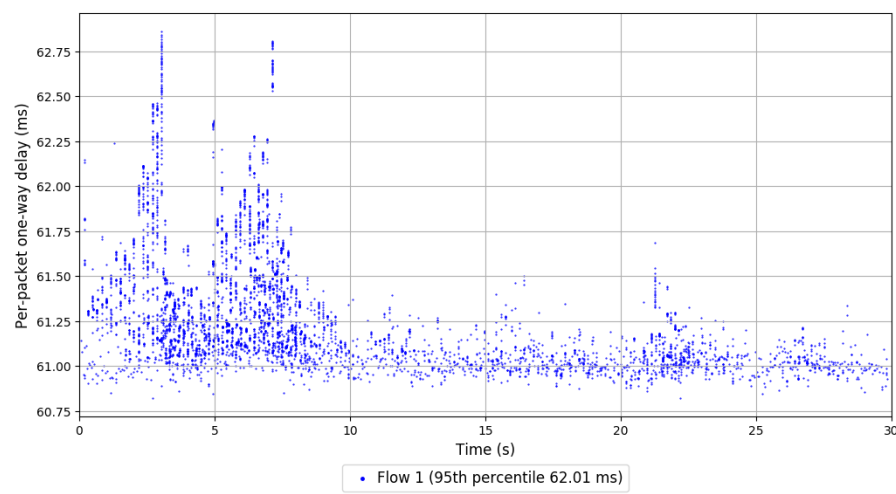
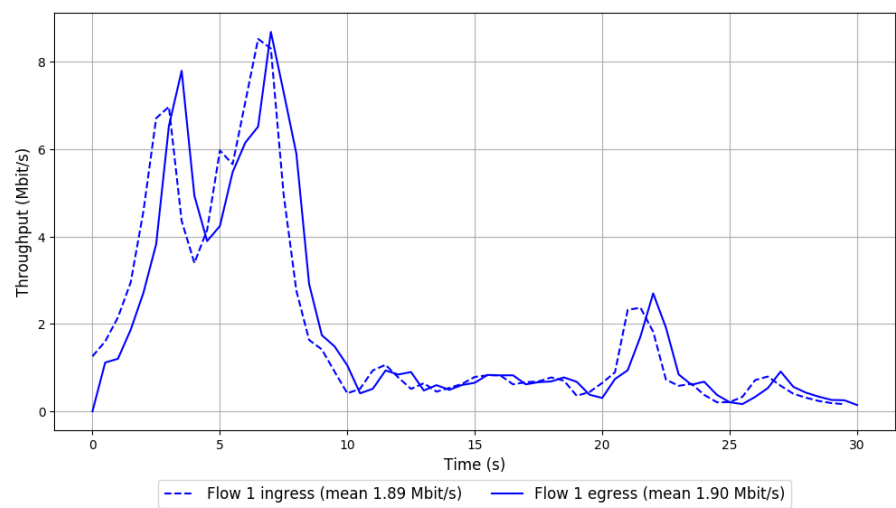
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 62.014 ms

Loss rate: 0.02%

Run 1: Report of Sprout — Data Link

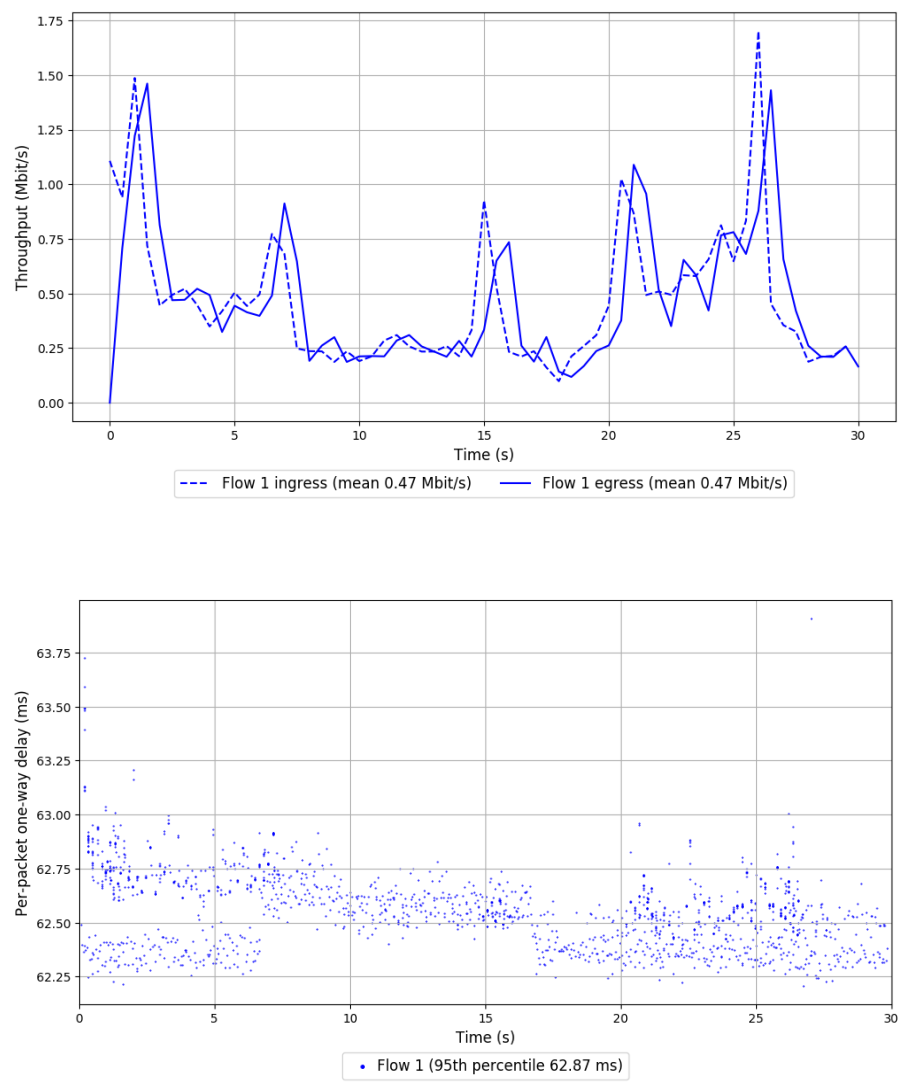


Run 2: Statistics of Sprout

Start at: 2018-06-30 22:47:28
End at: 2018-06-30 22:47:58
Local clock offset: -0.057 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 62.869 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 62.869 ms
Loss rate: 0.33%

Run 2: Report of Sprout — Data Link

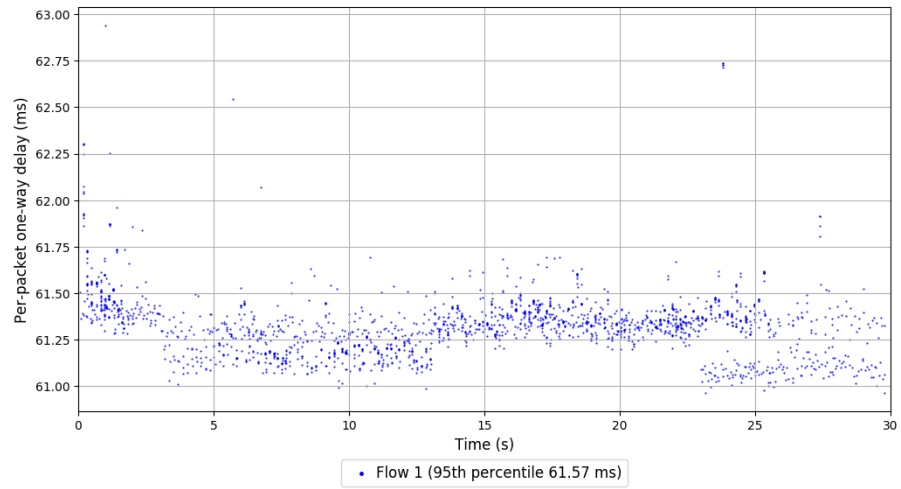
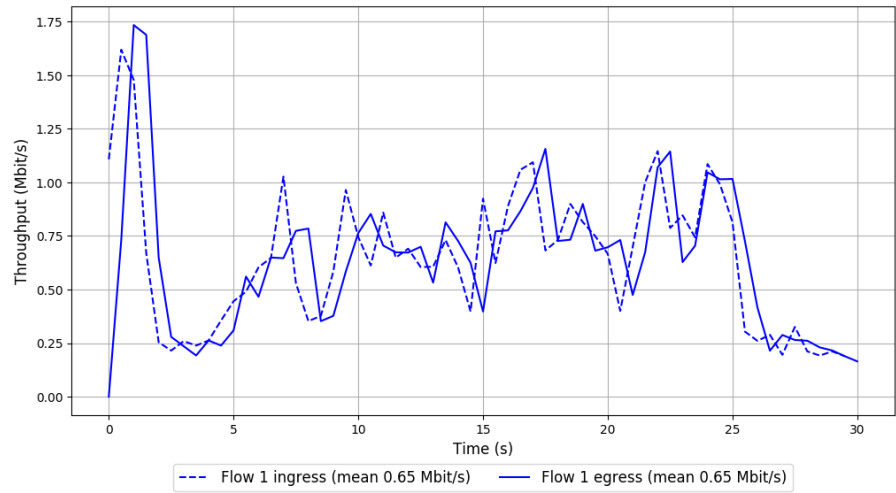


Run 3: Statistics of Sprout

Start at: 2018-06-30 23:09:34
End at: 2018-06-30 23:10:04
Local clock offset: 0.037 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.18%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-30 23:31:29

End at: 2018-06-30 23:31:59

Local clock offset: -0.009 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 0.66%

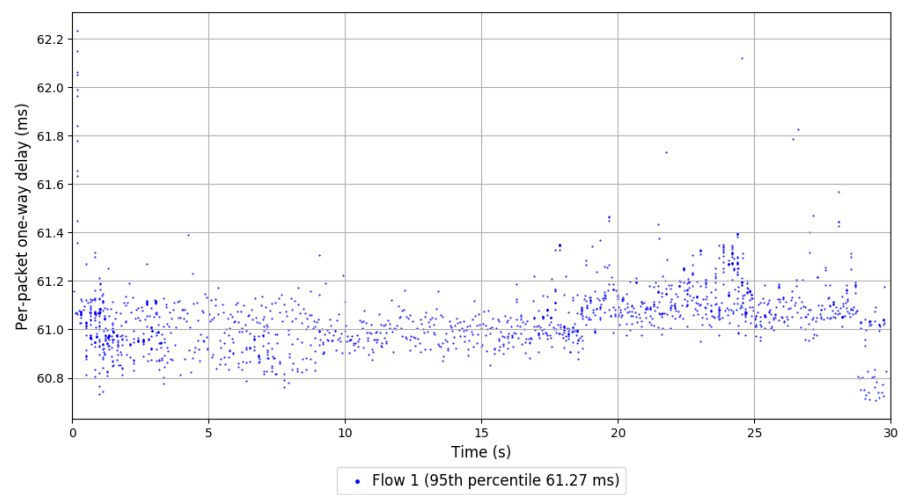
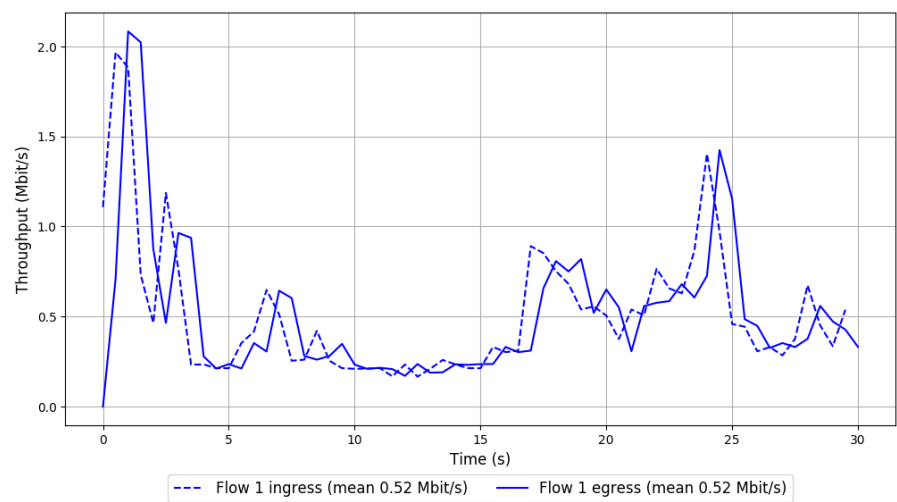
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 0.66%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-30 23:53:30

End at: 2018-06-30 23:54:00

Local clock offset: 0.013 ms

Remote clock offset: 1.347 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 60.044 ms

Loss rate: 0.27%

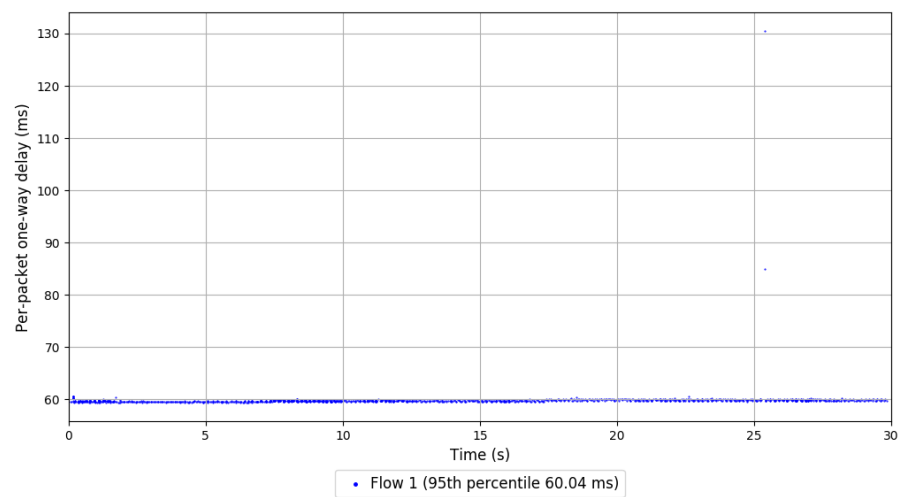
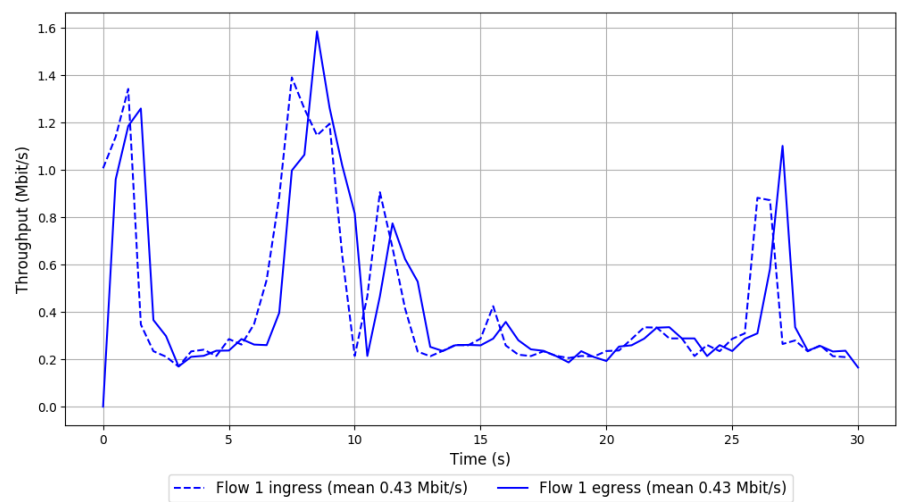
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 60.044 ms

Loss rate: 0.27%

Run 5: Report of Sprout — Data Link

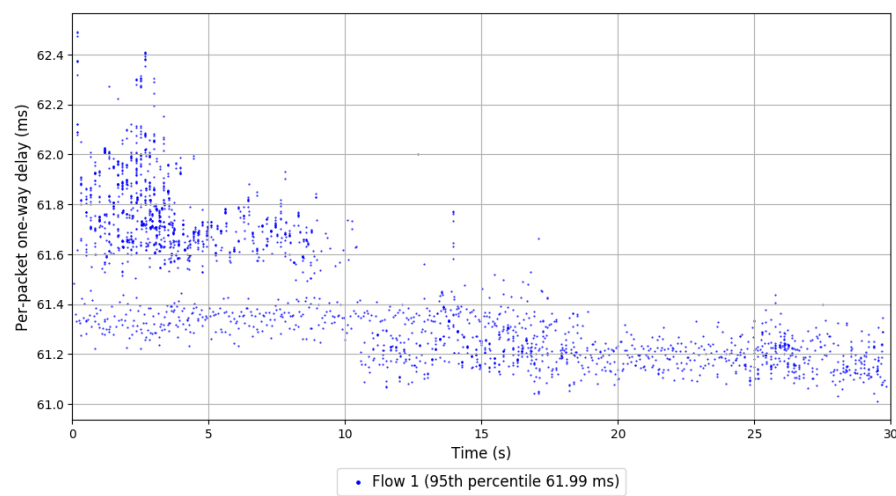
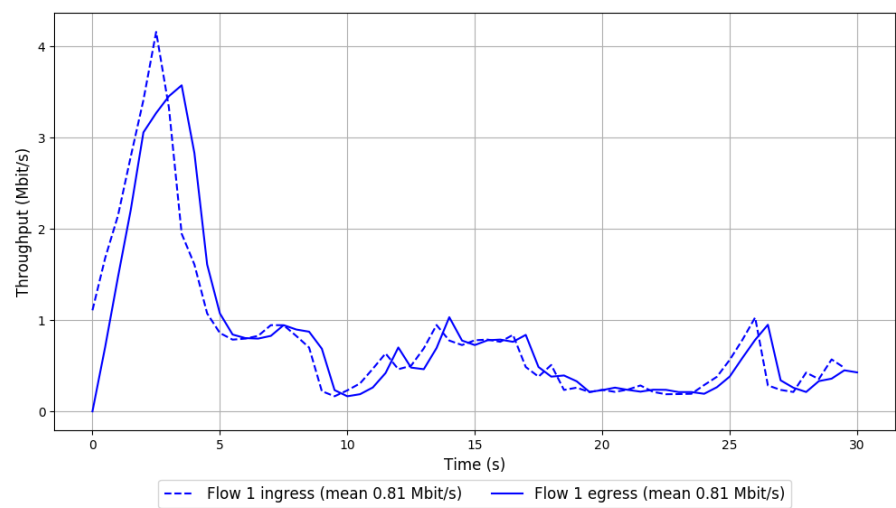


Run 6: Statistics of Sprout

Start at: 2018-07-01 00:15:17
End at: 2018-07-01 00:15:47
Local clock offset: -0.027 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 61.991 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 61.991 ms
Loss rate: 0.53%

Run 6: Report of Sprout — Data Link

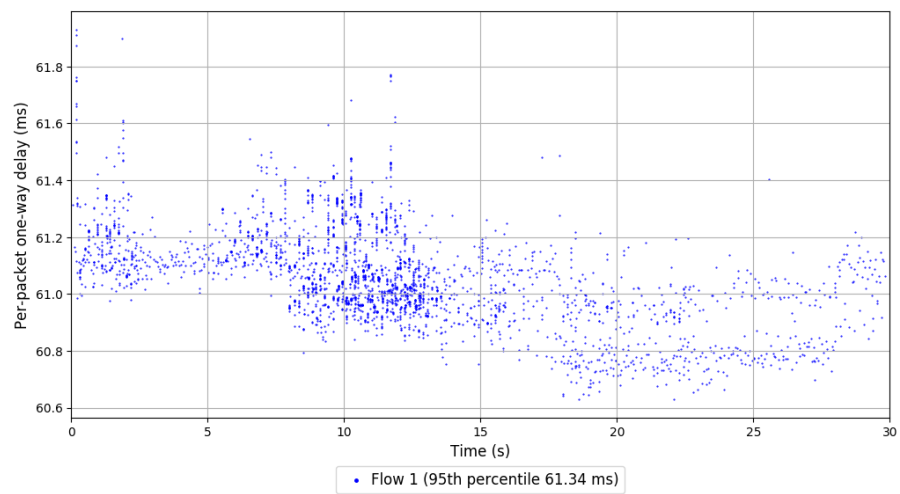
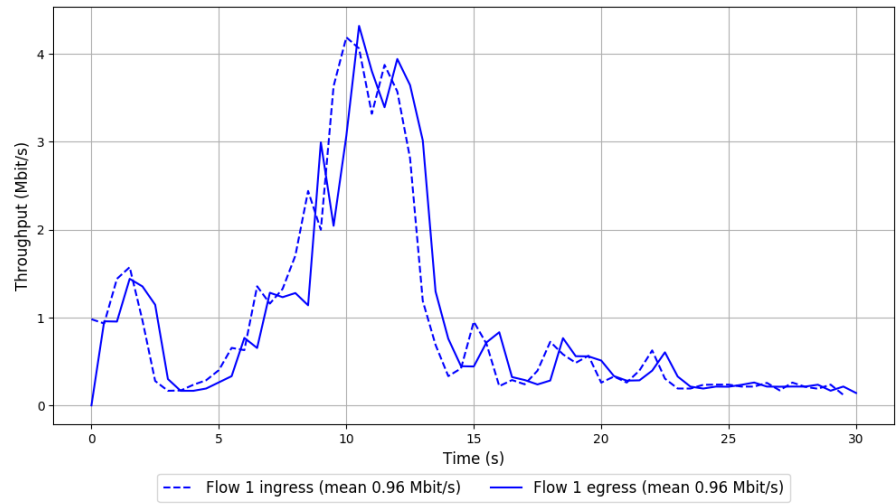


Run 7: Statistics of Sprout

Start at: 2018-07-01 00:37:10
End at: 2018-07-01 00:37:40
Local clock offset: 0.016 ms
Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 61.340 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 61.340 ms
Loss rate: 0.08%

Run 7: Report of Sprout — Data Link

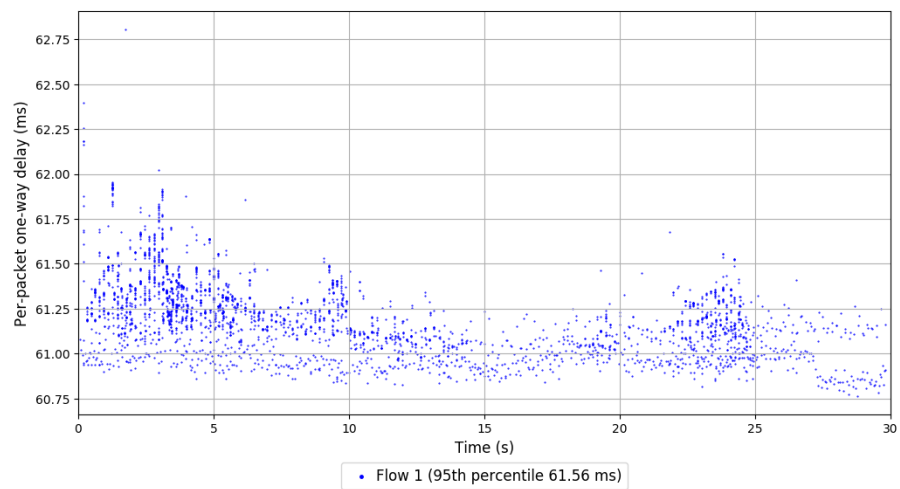
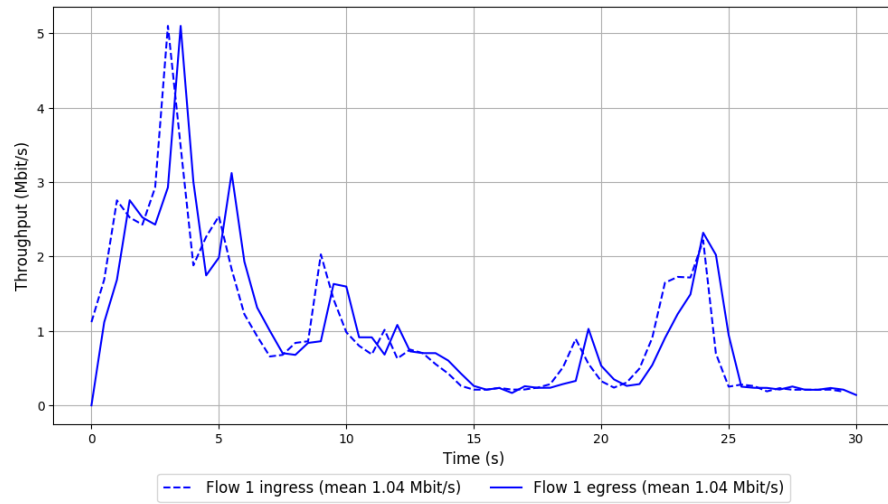


Run 8: Statistics of Sprout

Start at: 2018-07-01 00:59:08
End at: 2018-07-01 00:59:38
Local clock offset: -0.047 ms
Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 61.560 ms
Loss rate: 0.08%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-01 01:20:58

End at: 2018-07-01 01:21:28

Local clock offset: -0.038 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-01 03:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 62.293 ms

Loss rate: 0.05%

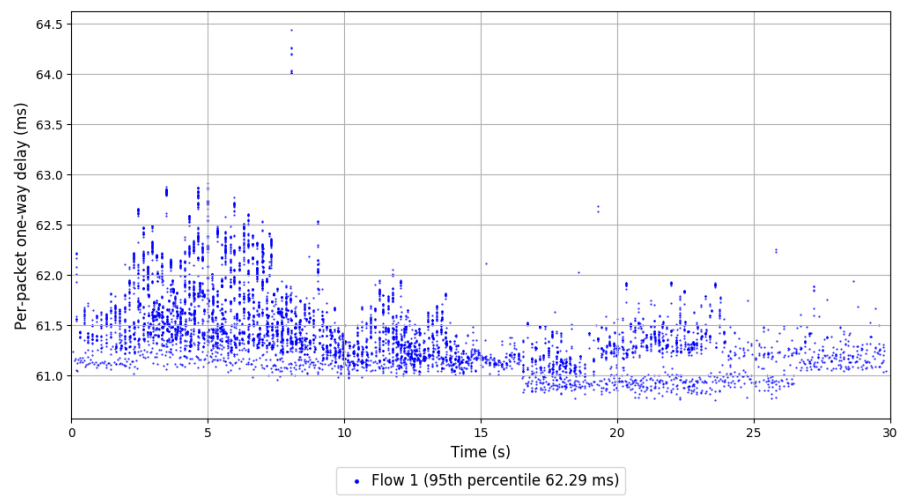
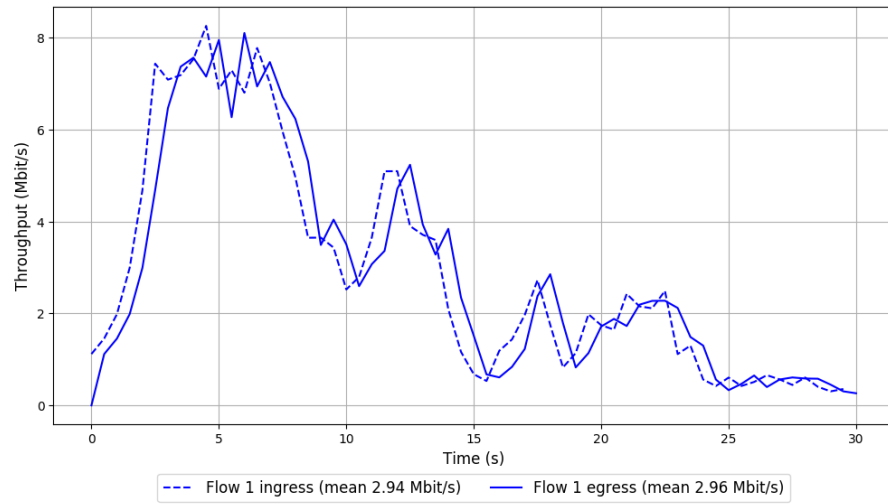
-- Flow 1:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 62.293 ms

Loss rate: 0.05%

Run 9: Report of Sprout — Data Link

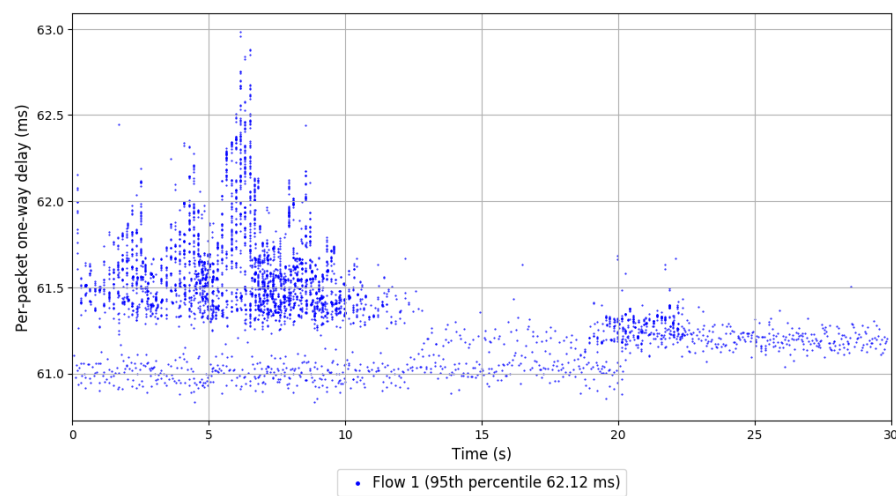
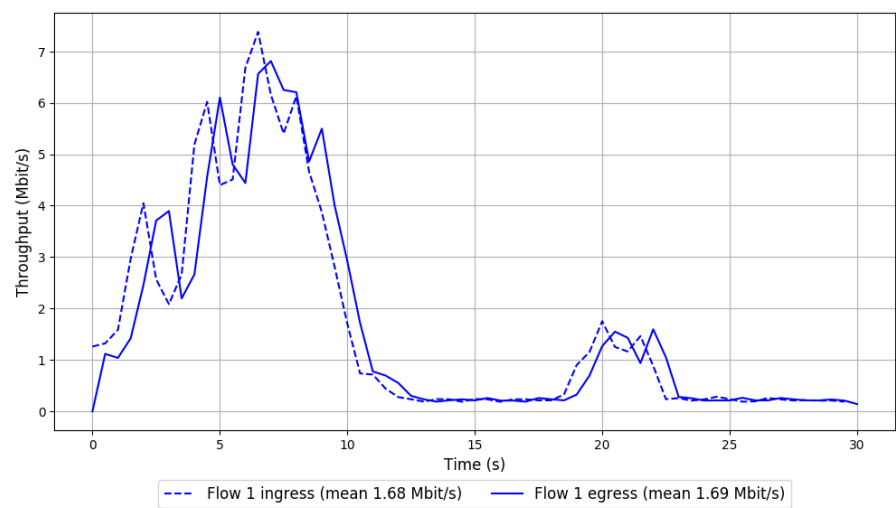


Run 10: Statistics of Sprout

Start at: 2018-07-01 01:42:45
End at: 2018-07-01 01:43:15
Local clock offset: -0.039 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-01 03:33:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 62.122 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 62.122 ms
Loss rate: 0.05%

Run 10: Report of Sprout — Data Link

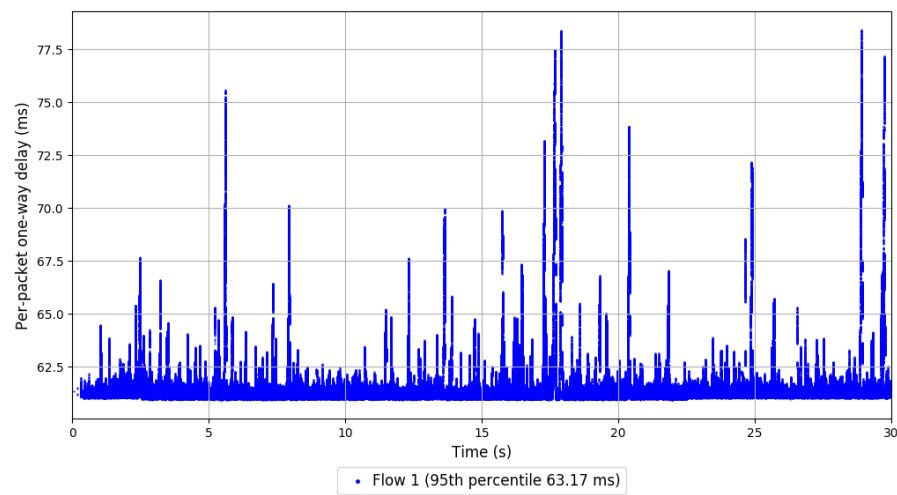
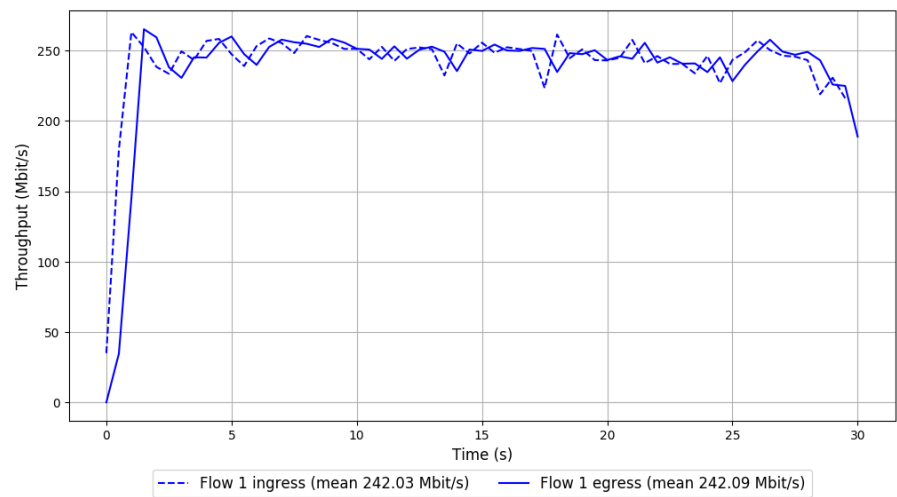


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 22:40:05
End at: 2018-06-30 22:40:35
Local clock offset: -0.052 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-07-01 03:37:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.09 Mbit/s
95th percentile per-packet one-way delay: 63.170 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 242.09 Mbit/s
95th percentile per-packet one-way delay: 63.170 ms
Loss rate: 0.38%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 23:02:20

End at: 2018-06-30 23:02:50

Local clock offset: -0.058 ms

Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-01 03:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.52 Mbit/s

95th percentile per-packet one-way delay: 62.710 ms

Loss rate: 0.30%

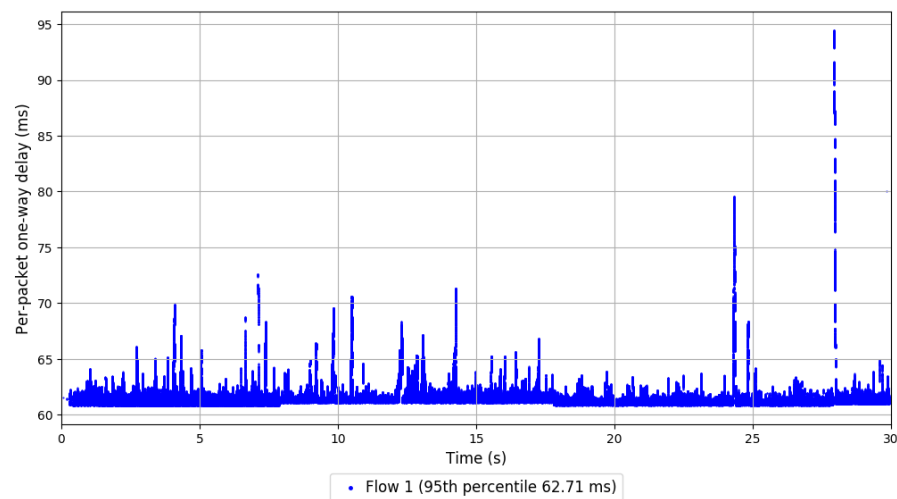
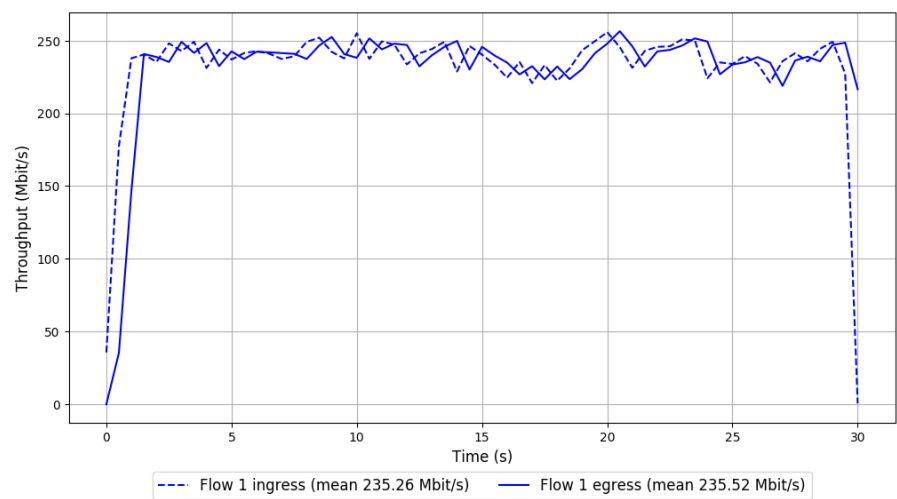
-- Flow 1:

Average throughput: 235.52 Mbit/s

95th percentile per-packet one-way delay: 62.710 ms

Loss rate: 0.30%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 23:24:12

End at: 2018-06-30 23:24:42

Local clock offset: -0.036 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-01 03:38:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.50 Mbit/s

95th percentile per-packet one-way delay: 62.258 ms

Loss rate: 0.39%

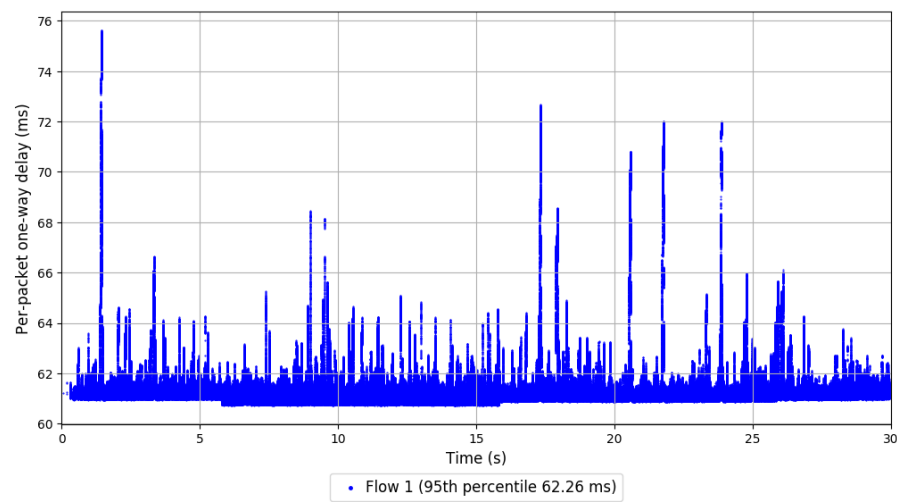
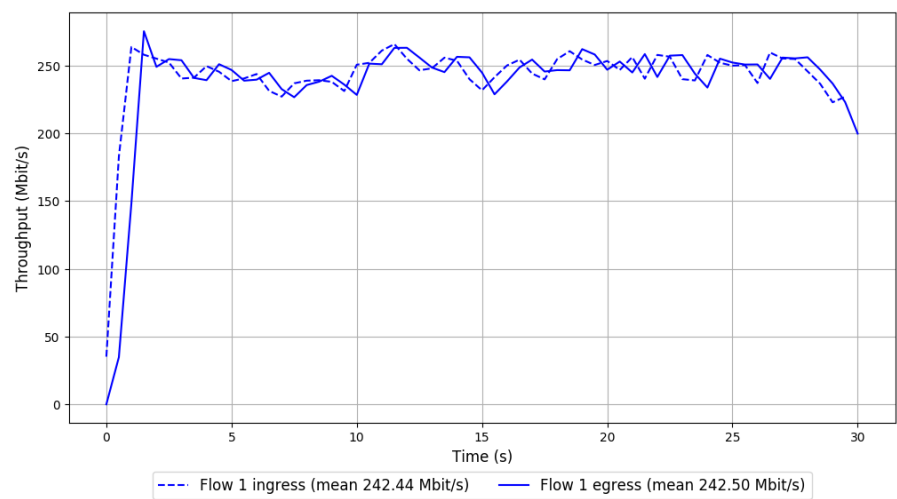
-- Flow 1:

Average throughput: 242.50 Mbit/s

95th percentile per-packet one-way delay: 62.258 ms

Loss rate: 0.39%

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

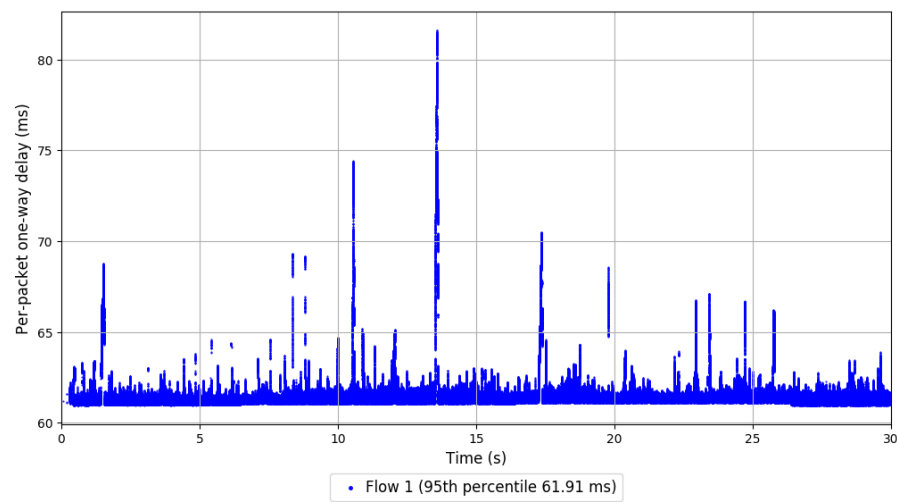
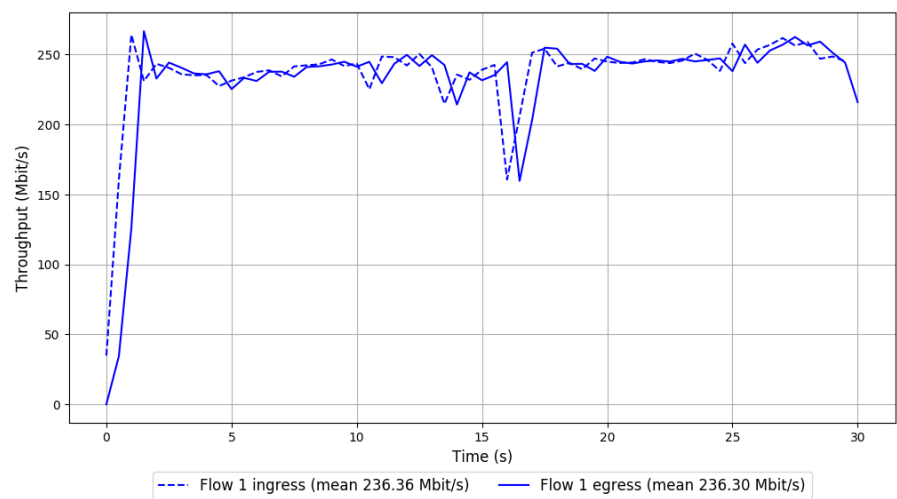


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 23:46:11
End at: 2018-06-30 23:46:41
Local clock offset: 0.033 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-01 03:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.30 Mbit/s
95th percentile per-packet one-way delay: 61.912 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 236.30 Mbit/s
95th percentile per-packet one-way delay: 61.912 ms
Loss rate: 0.43%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-01 00:08:04

End at: 2018-07-01 00:08:34

Local clock offset: 0.058 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-01 03:40:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.96 Mbit/s

95th percentile per-packet one-way delay: 61.810 ms

Loss rate: 0.45%

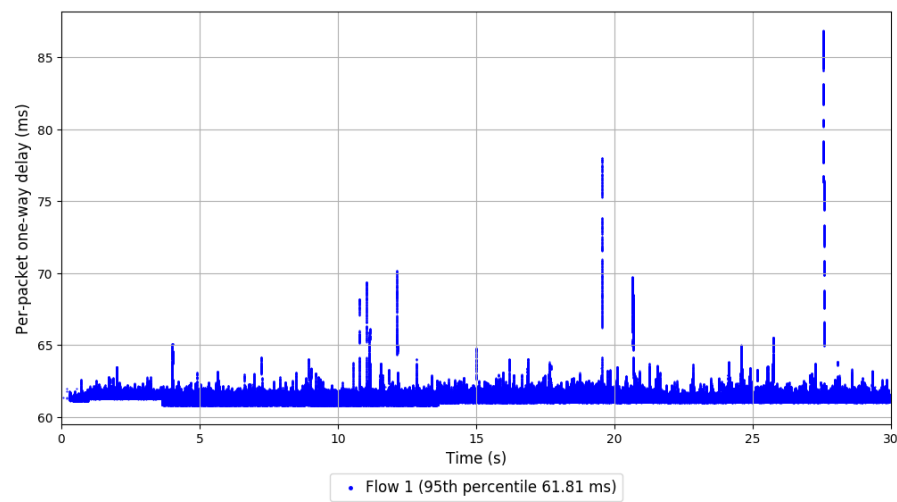
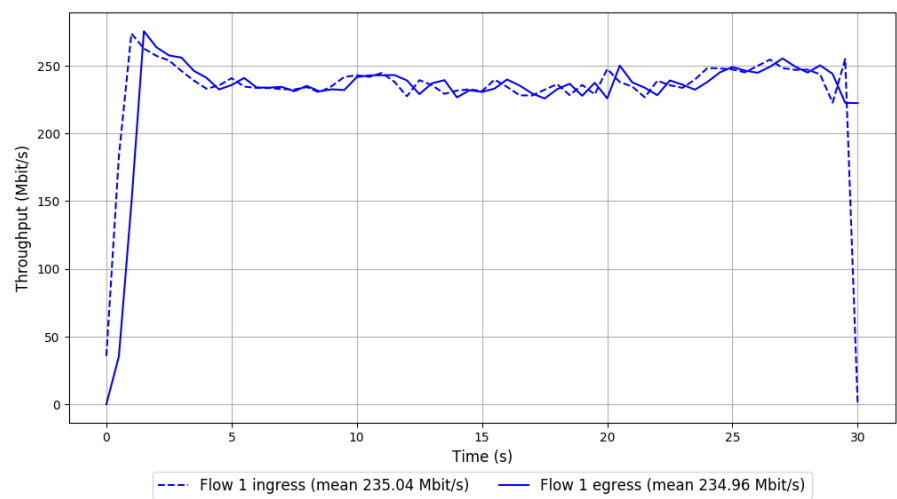
-- Flow 1:

Average throughput: 234.96 Mbit/s

95th percentile per-packet one-way delay: 61.810 ms

Loss rate: 0.45%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-01 00:29:52

End at: 2018-07-01 00:30:22

Local clock offset: 0.005 ms

Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-01 03:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.05 Mbit/s

95th percentile per-packet one-way delay: 61.864 ms

Loss rate: 0.33%

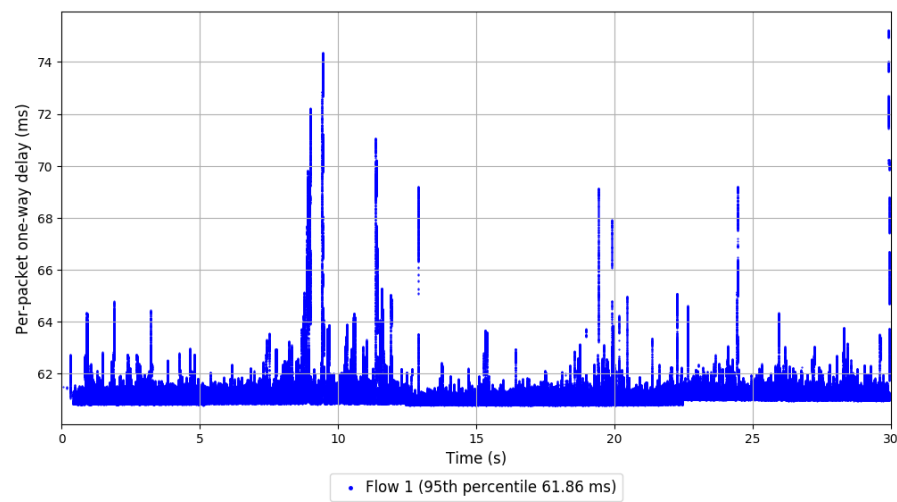
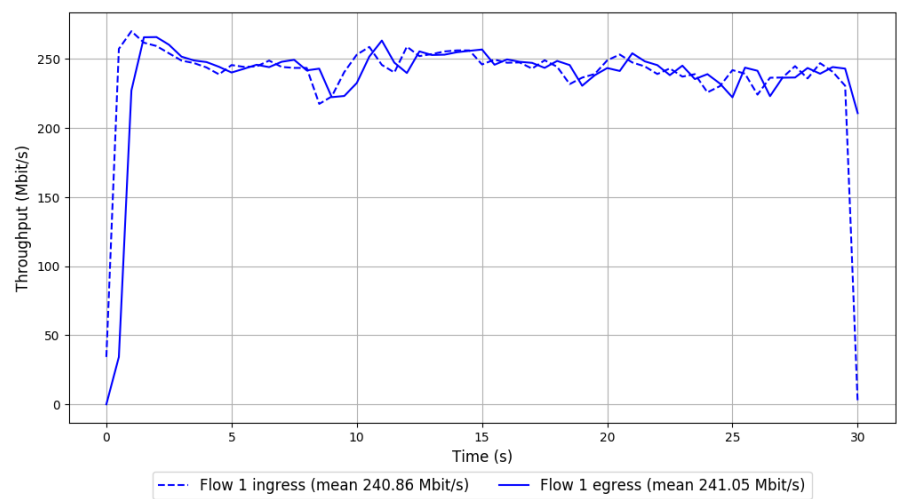
-- Flow 1:

Average throughput: 241.05 Mbit/s

95th percentile per-packet one-way delay: 61.864 ms

Loss rate: 0.33%

Run 6: Report of TaoVA-100x — Data Link

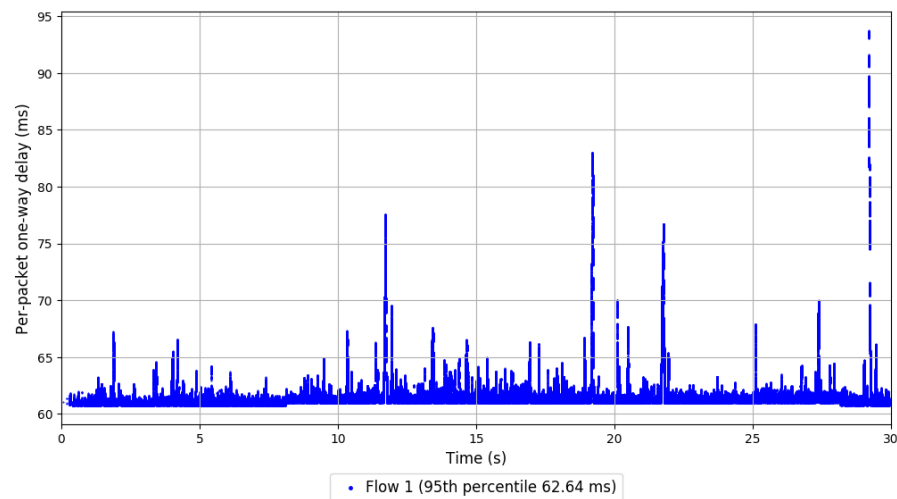
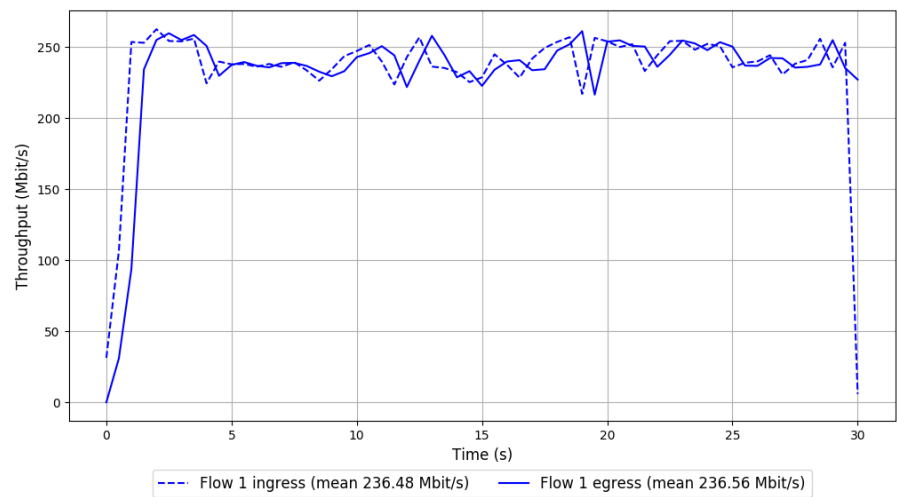


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-01 00:51:49
End at: 2018-07-01 00:52:19
Local clock offset: -0.063 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-01 03:41:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.56 Mbit/s
95th percentile per-packet one-way delay: 62.643 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 236.56 Mbit/s
95th percentile per-packet one-way delay: 62.643 ms
Loss rate: 0.45%

Run 7: Report of TaoVA-100x — Data Link

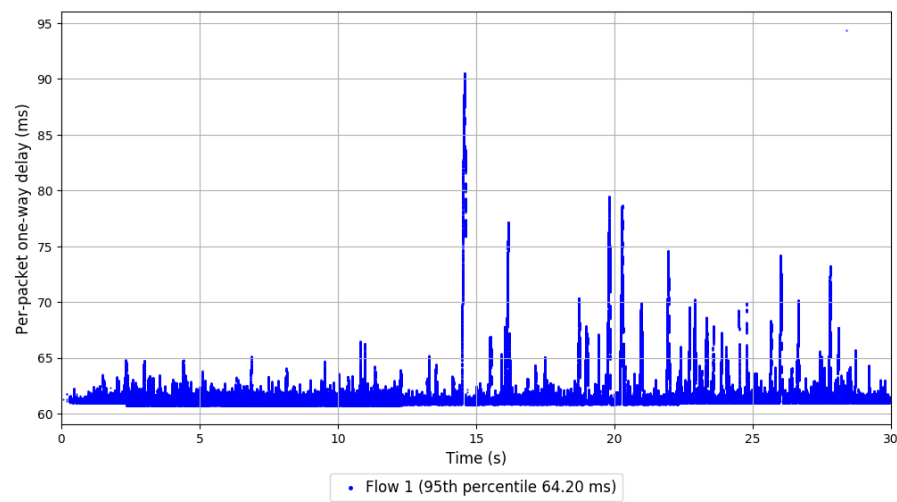
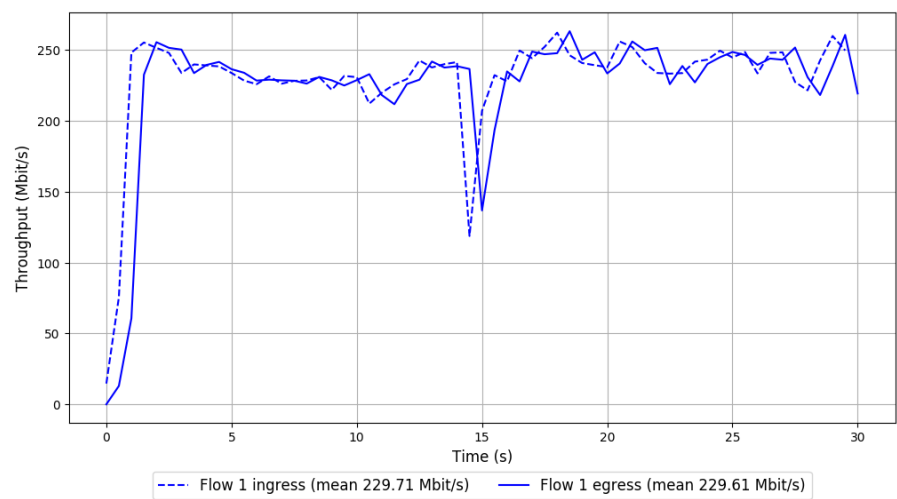


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-01 01:13:45
End at: 2018-07-01 01:14:15
Local clock offset: -0.126 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-01 03:42:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.61 Mbit/s
95th percentile per-packet one-way delay: 64.202 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 229.61 Mbit/s
95th percentile per-packet one-way delay: 64.202 ms
Loss rate: 0.45%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-01 01:35:29

End at: 2018-07-01 01:35:59

Local clock offset: -0.04 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-01 03:47:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.25 Mbit/s

95th percentile per-packet one-way delay: 63.521 ms

Loss rate: 0.43%

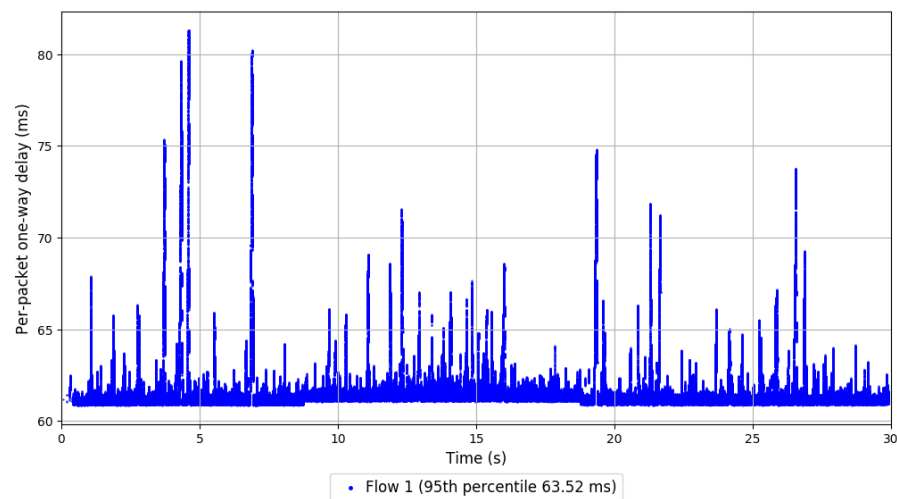
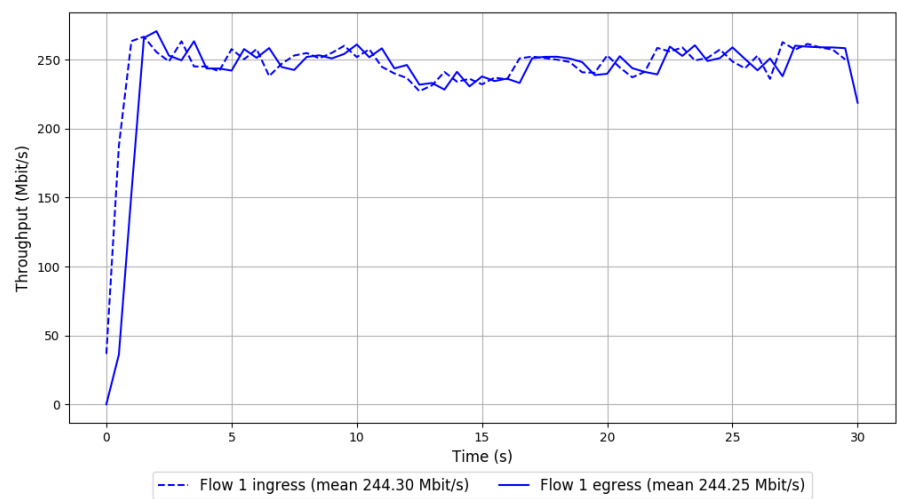
-- Flow 1:

Average throughput: 244.25 Mbit/s

95th percentile per-packet one-way delay: 63.521 ms

Loss rate: 0.43%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-01 01:57:26

End at: 2018-07-01 01:57:56

Local clock offset: -0.039 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-01 03:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.23 Mbit/s

95th percentile per-packet one-way delay: 63.967 ms

Loss rate: 0.41%

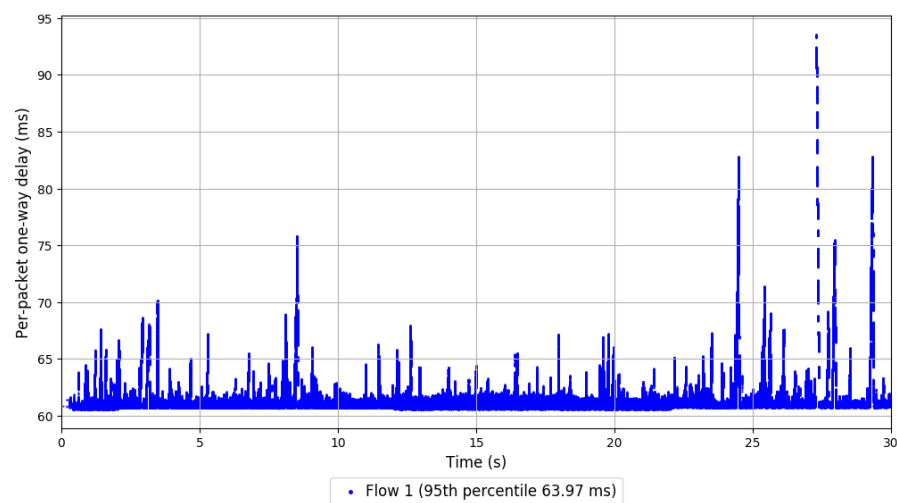
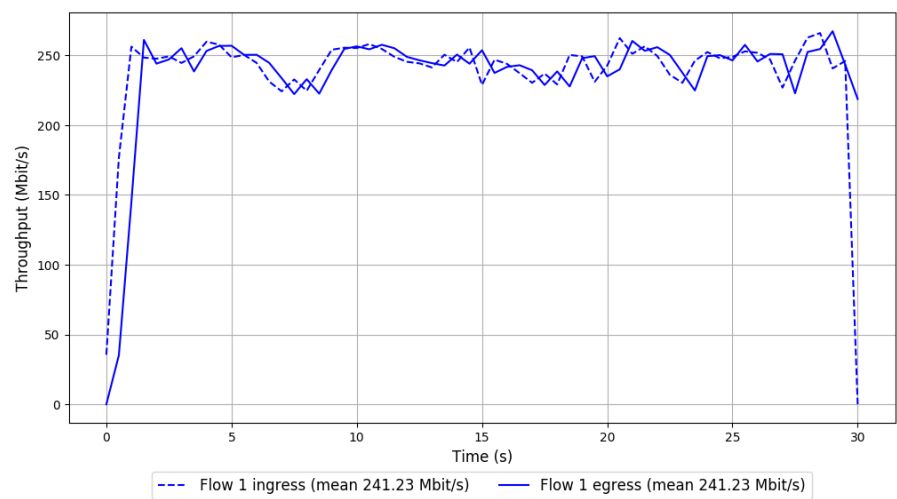
-- Flow 1:

Average throughput: 241.23 Mbit/s

95th percentile per-packet one-way delay: 63.967 ms

Loss rate: 0.41%

Run 10: Report of TaoVA-100x — Data Link

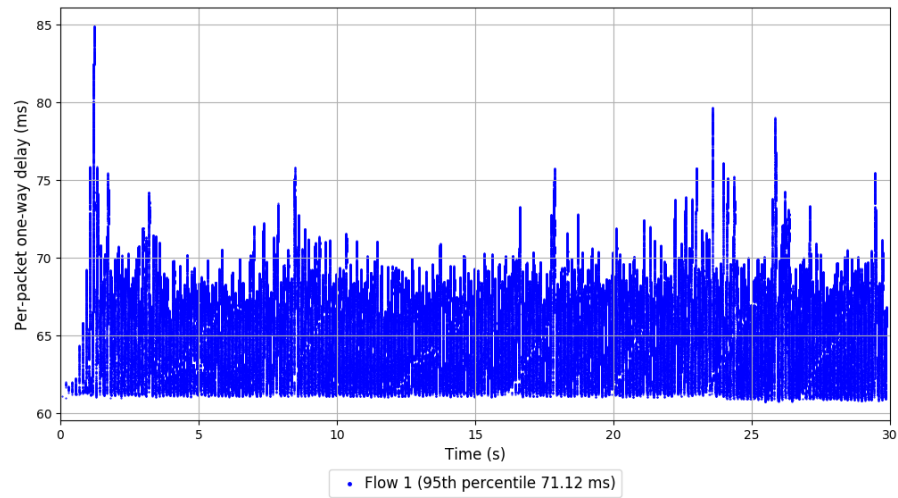
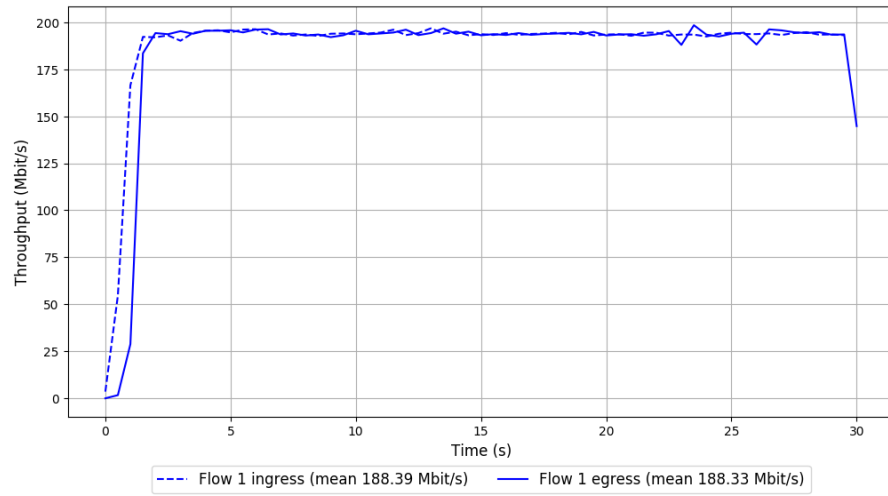


Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 22:42:43
End at: 2018-06-30 22:43:13
Local clock offset: -0.037 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.33 Mbit/s
95th percentile per-packet one-way delay: 71.118 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 188.33 Mbit/s
95th percentile per-packet one-way delay: 71.118 ms
Loss rate: 0.43%

Run 1: Report of TCP Vegas — Data Link

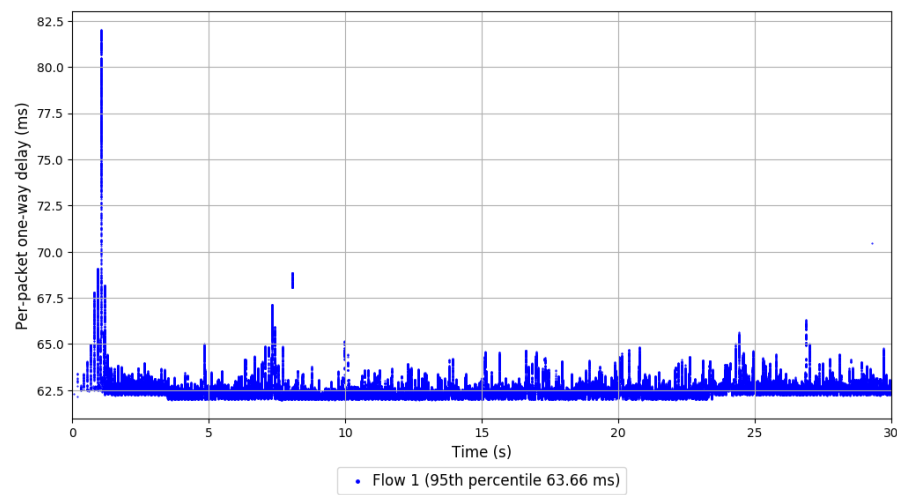
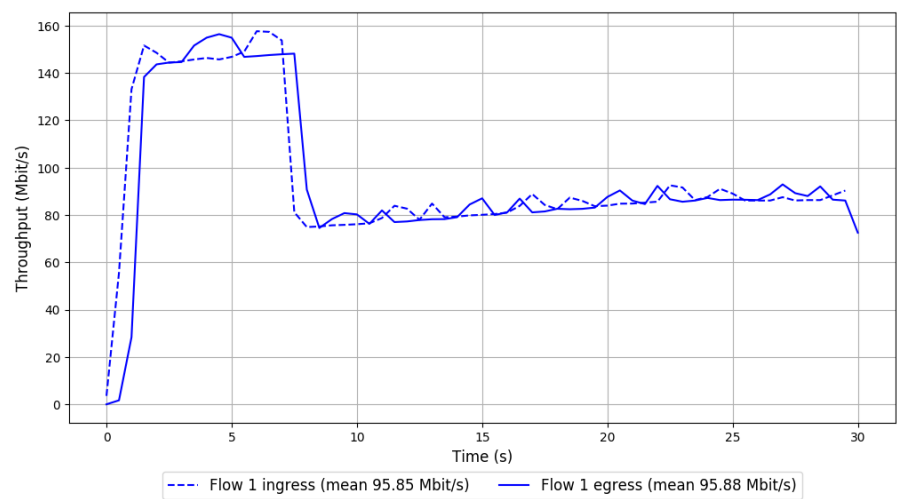


Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 23:04:54
End at: 2018-06-30 23:05:24
Local clock offset: -0.049 ms
Remote clock offset: -1.322 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 63.660 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 63.660 ms
Loss rate: 0.38%

Run 2: Report of TCP Vegas — Data Link

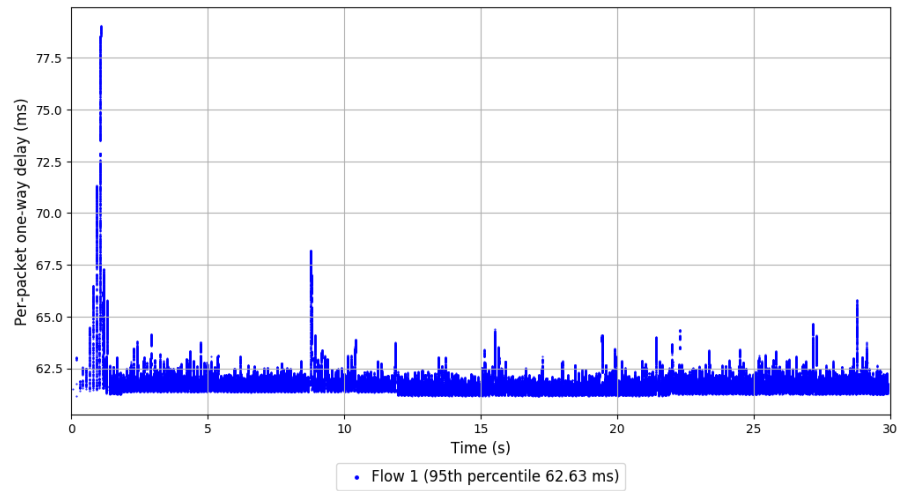
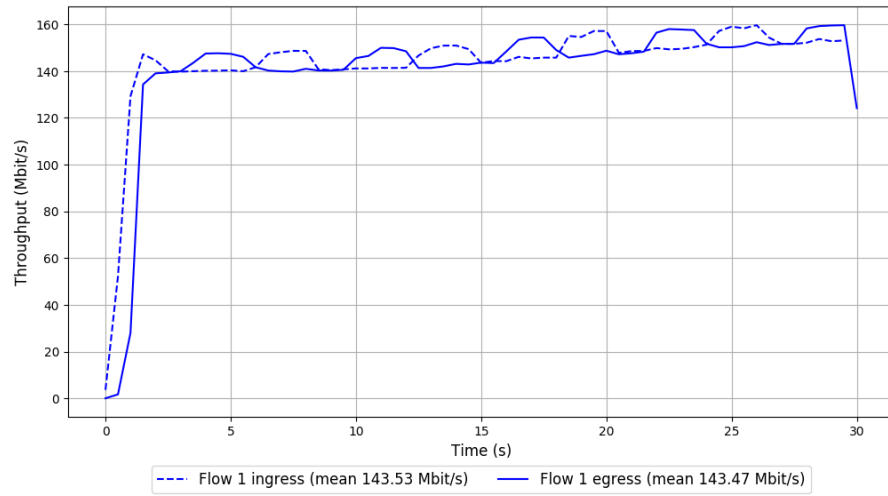


Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 23:26:46
End at: 2018-06-30 23:27:16
Local clock offset: -0.015 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.47 Mbit/s
95th percentile per-packet one-way delay: 62.626 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 143.47 Mbit/s
95th percentile per-packet one-way delay: 62.626 ms
Loss rate: 0.44%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 23:48:45

End at: 2018-06-30 23:49:15

Local clock offset: -0.006 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-01 03:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.47 Mbit/s

95th percentile per-packet one-way delay: 70.255 ms

Loss rate: 0.43%

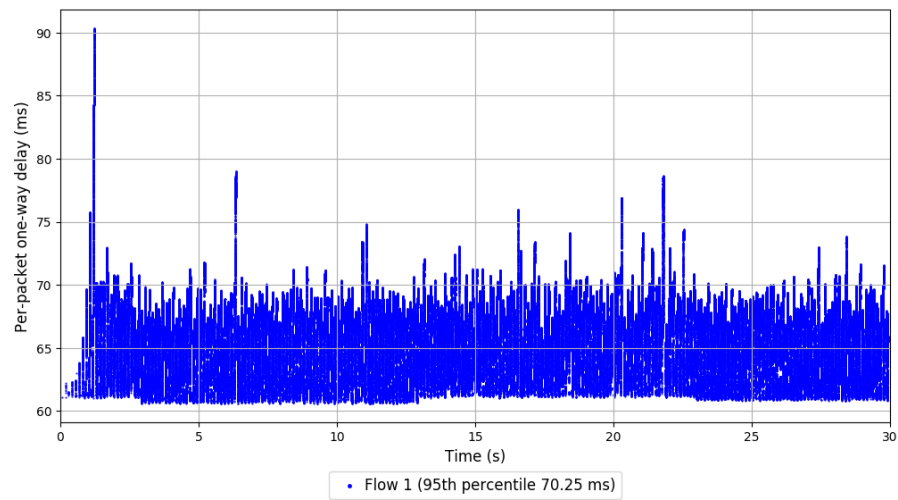
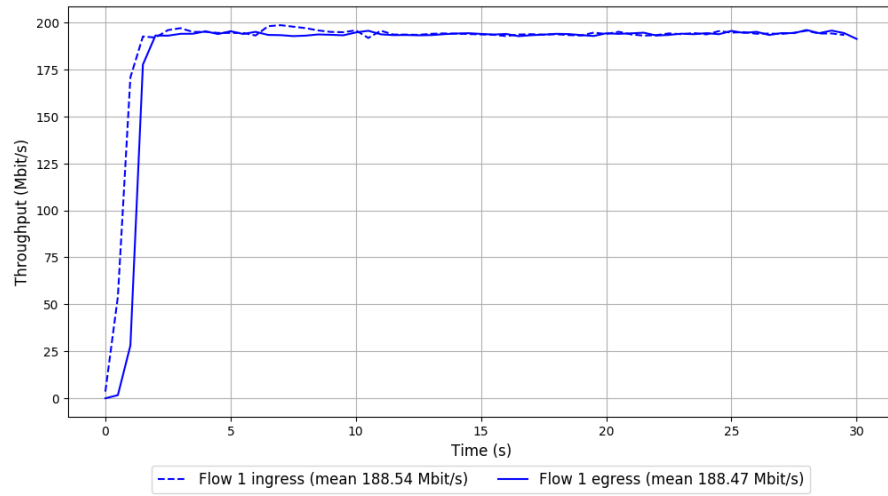
-- Flow 1:

Average throughput: 188.47 Mbit/s

95th percentile per-packet one-way delay: 70.255 ms

Loss rate: 0.43%

Run 4: Report of TCP Vegas — Data Link

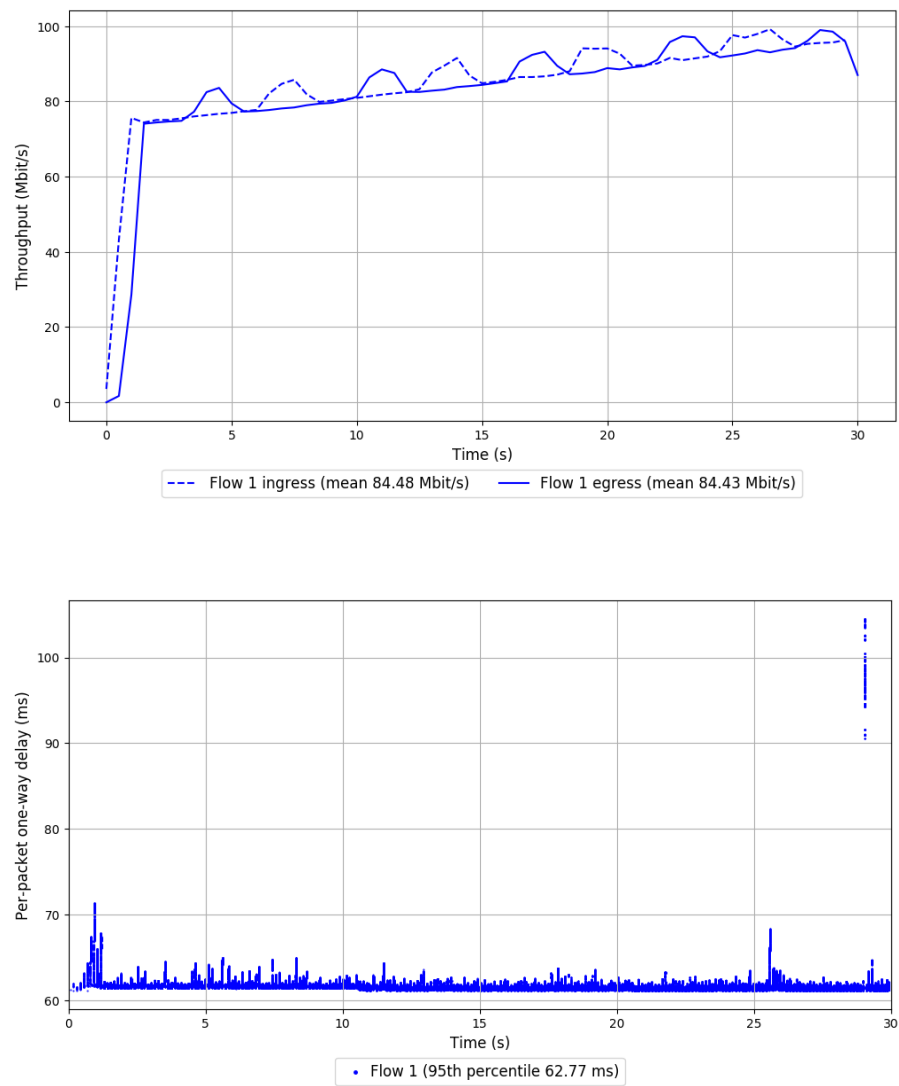


Run 5: Statistics of TCP Vegas

Start at: 2018-07-01 00:10:37
End at: 2018-07-01 00:11:07
Local clock offset: 0.006 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 62.766 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 62.766 ms
Loss rate: 0.48%

Run 5: Report of TCP Vegas — Data Link

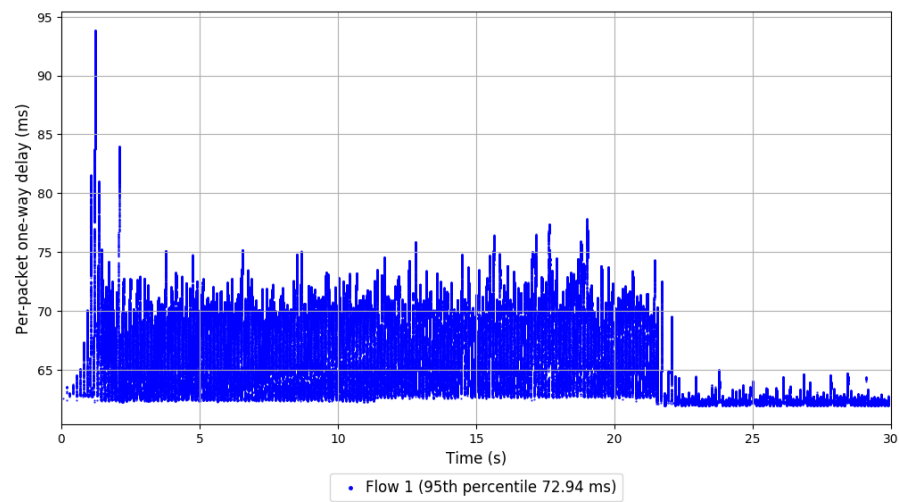
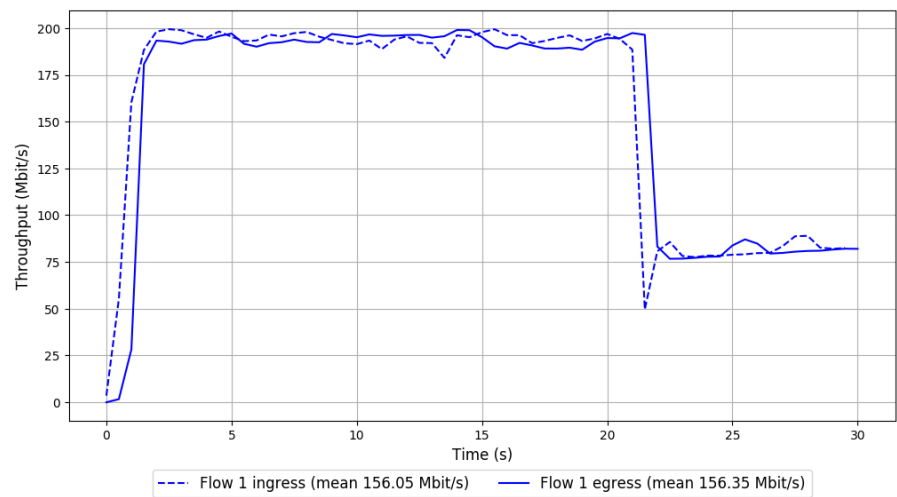


Run 6: Statistics of TCP Vegas

Start at: 2018-07-01 00:32:26
End at: 2018-07-01 00:32:56
Local clock offset: -0.019 ms
Remote clock offset: -1.334 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.35 Mbit/s
95th percentile per-packet one-way delay: 72.942 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 156.35 Mbit/s
95th percentile per-packet one-way delay: 72.942 ms
Loss rate: 0.22%

Run 6: Report of TCP Vegas — Data Link

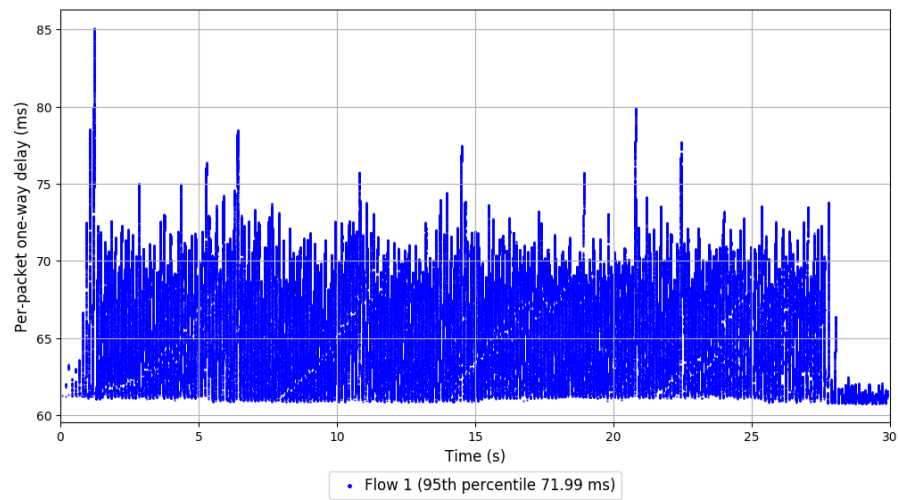
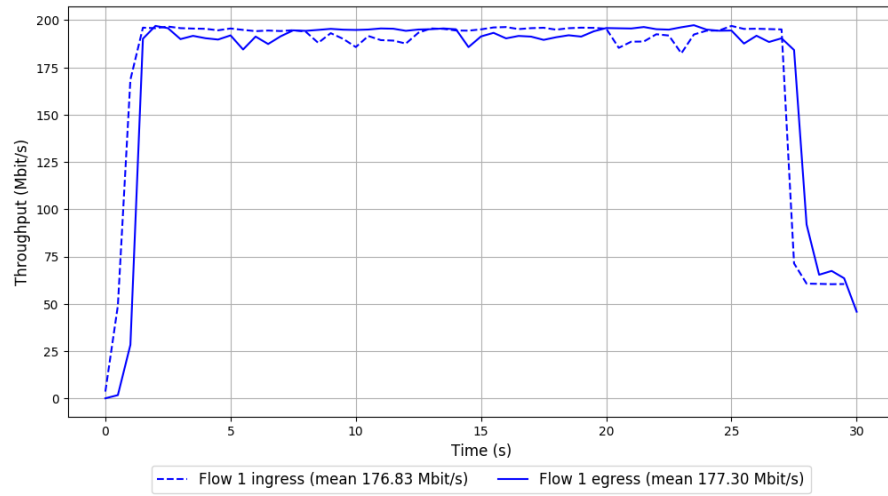


Run 7: Statistics of TCP Vegas

Start at: 2018-07-01 00:54:22
End at: 2018-07-01 00:54:52
Local clock offset: -0.062 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.30 Mbit/s
95th percentile per-packet one-way delay: 71.988 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 177.30 Mbit/s
95th percentile per-packet one-way delay: 71.988 ms
Loss rate: 0.14%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-01 01:16:18

End at: 2018-07-01 01:16:48

Local clock offset: -0.047 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2018-07-01 03:47:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 61.814 ms

Loss rate: 0.47%

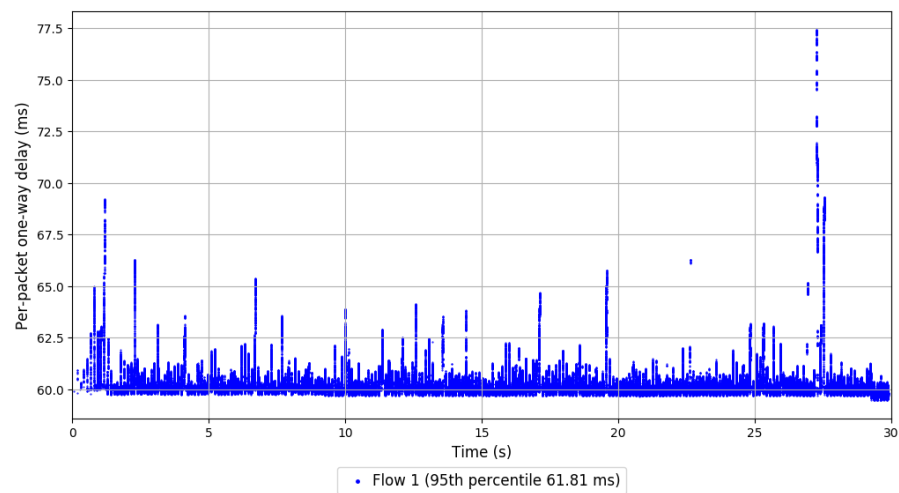
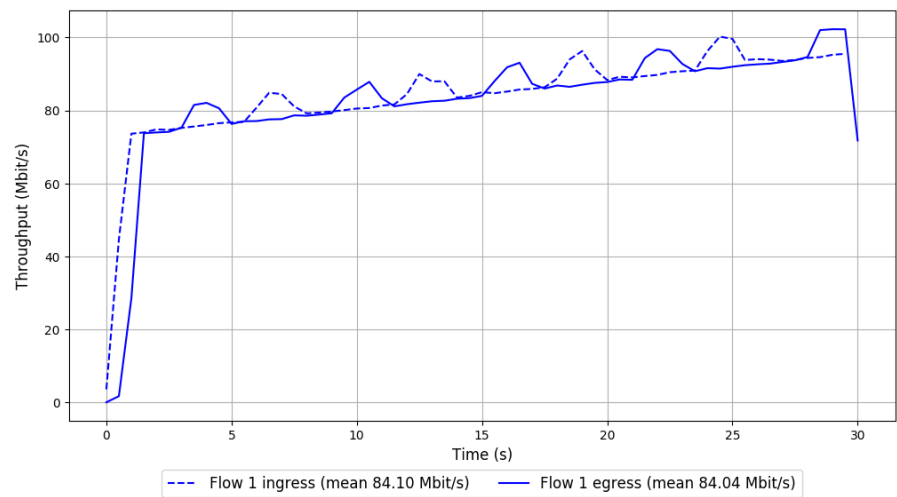
-- Flow 1:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 61.814 ms

Loss rate: 0.47%

Run 8: Report of TCP Vegas — Data Link

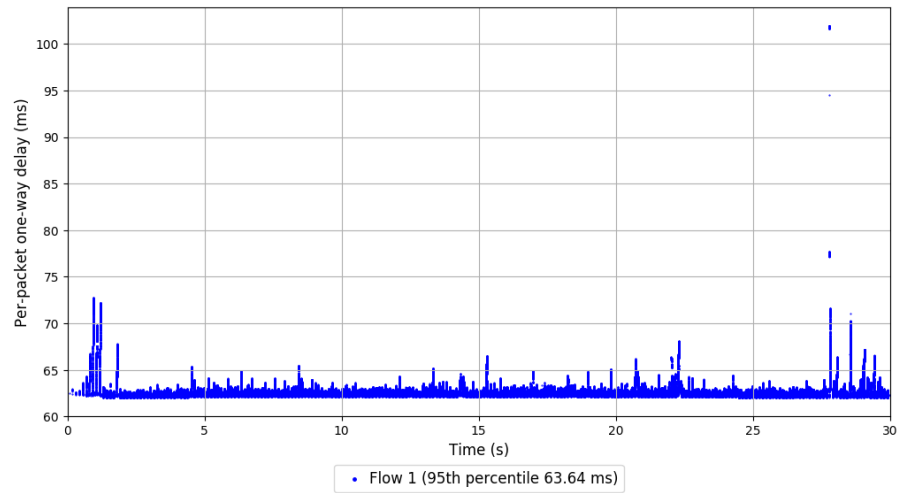
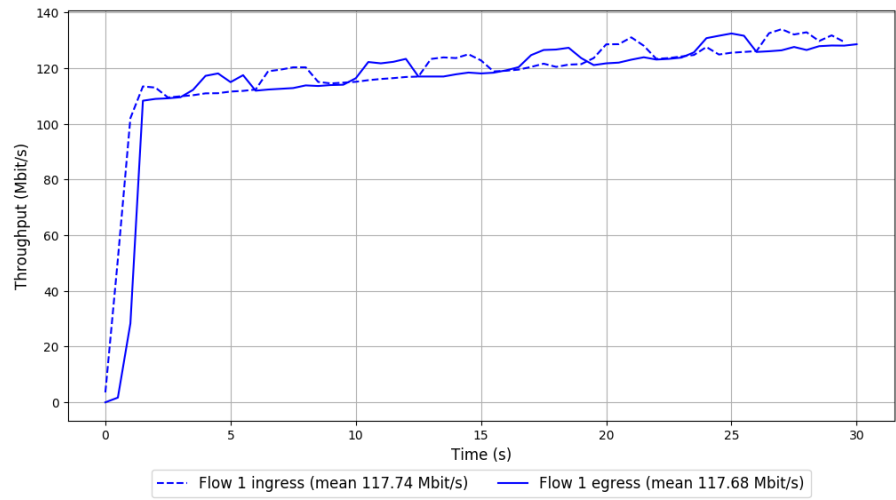


Run 9: Statistics of TCP Vegas

Start at: 2018-07-01 01:38:03
End at: 2018-07-01 01:38:33
Local clock offset: -0.029 ms
Remote clock offset: -1.107 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.68 Mbit/s
95th percentile per-packet one-way delay: 63.642 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 117.68 Mbit/s
95th percentile per-packet one-way delay: 63.642 ms
Loss rate: 0.46%

Run 9: Report of TCP Vegas — Data Link

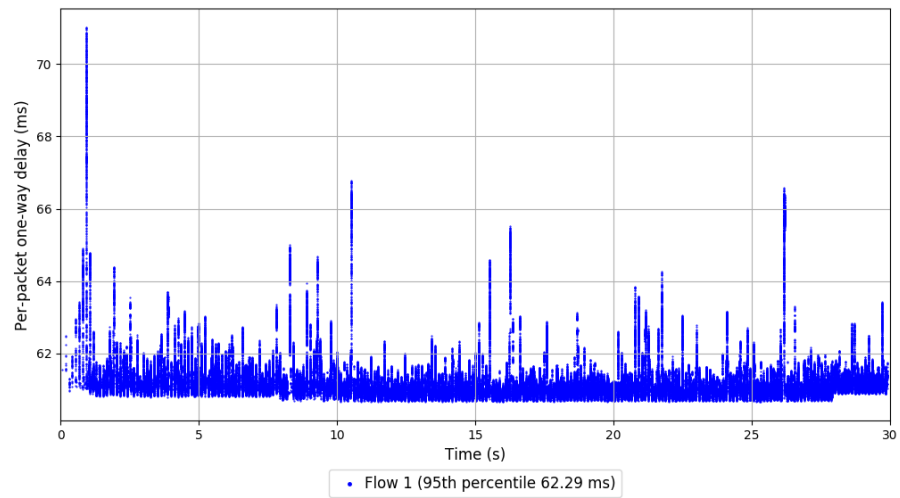
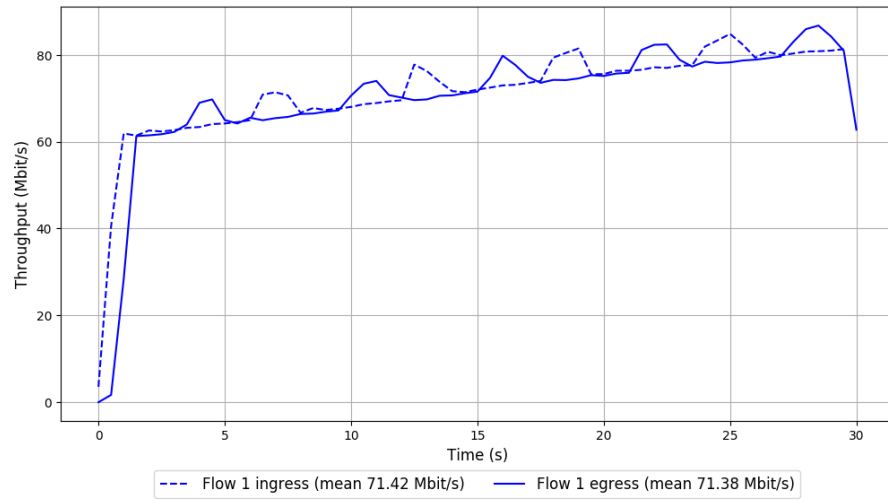


Run 10: Statistics of TCP Vegas

Start at: 2018-07-01 02:00:00
End at: 2018-07-01 02:00:30
Local clock offset: -0.031 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-01 03:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.38 Mbit/s
95th percentile per-packet one-way delay: 62.287 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 71.38 Mbit/s
95th percentile per-packet one-way delay: 62.287 ms
Loss rate: 0.48%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-30 22:27:59

End at: 2018-06-30 22:28:29

Local clock offset: -0.057 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-01 03:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.66 Mbit/s

95th percentile per-packet one-way delay: 89.695 ms

Loss rate: 1.65%

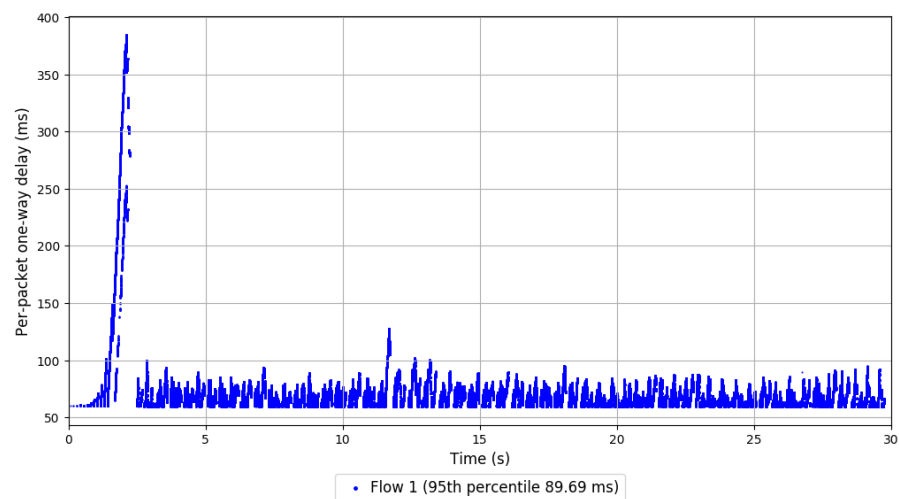
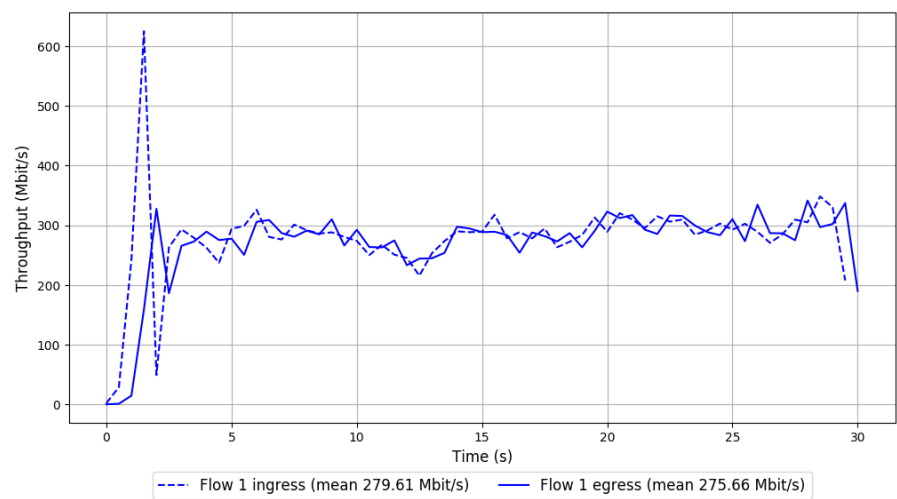
-- Flow 1:

Average throughput: 275.66 Mbit/s

95th percentile per-packet one-way delay: 89.695 ms

Loss rate: 1.65%

Run 1: Report of Verus — Data Link

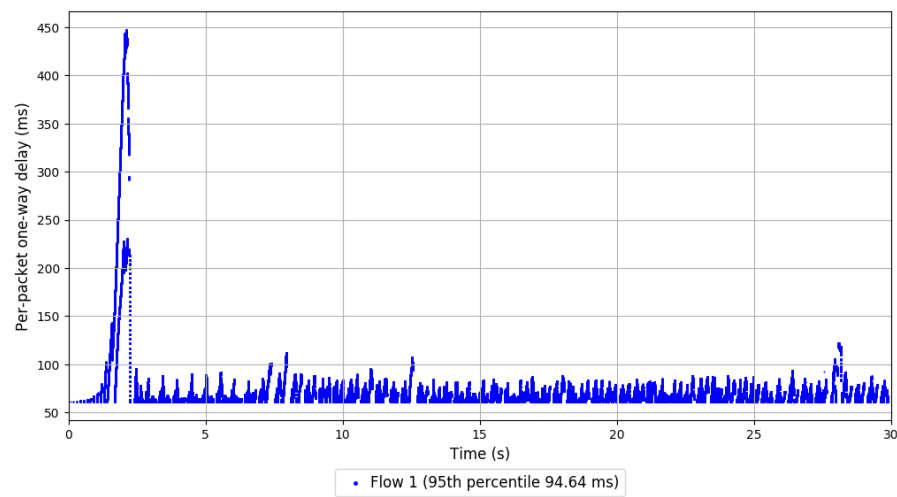
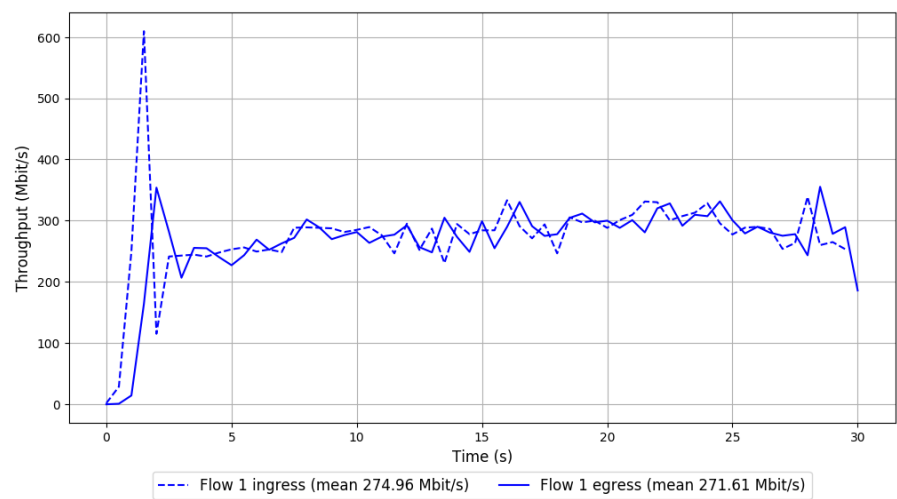


Run 2: Statistics of Verus

Start at: 2018-06-30 22:50:05
End at: 2018-06-30 22:50:35
Local clock offset: -0.052 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-01 03:51:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.61 Mbit/s
95th percentile per-packet one-way delay: 94.636 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 271.61 Mbit/s
95th percentile per-packet one-way delay: 94.636 ms
Loss rate: 1.44%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-30 23:12:04

End at: 2018-06-30 23:12:34

Local clock offset: -0.004 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-01 03:51:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.84 Mbit/s

95th percentile per-packet one-way delay: 108.254 ms

Loss rate: 1.20%

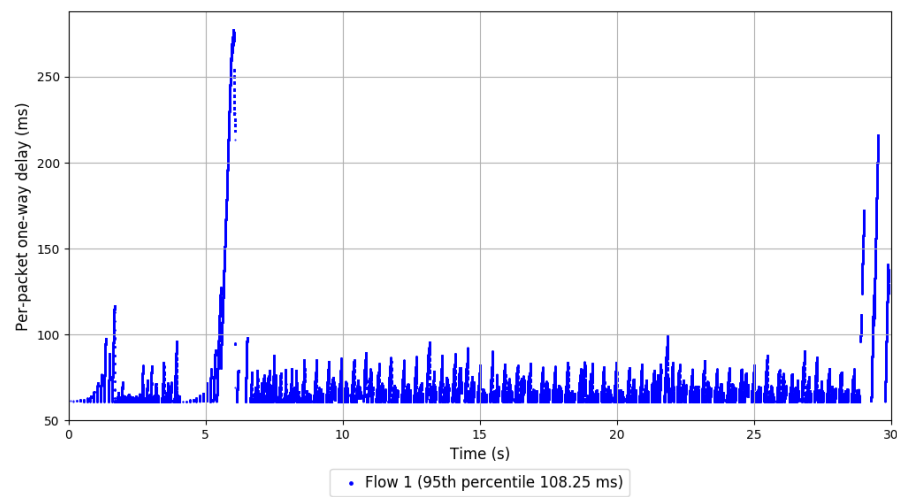
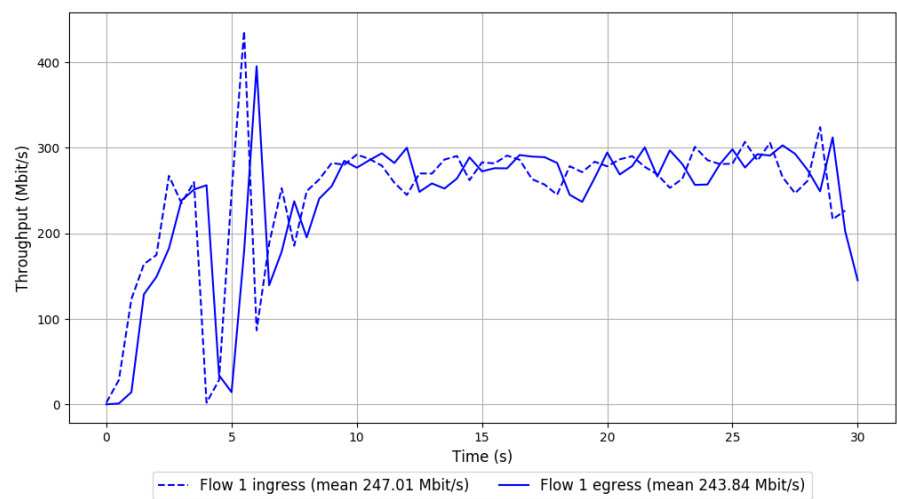
-- Flow 1:

Average throughput: 243.84 Mbit/s

95th percentile per-packet one-way delay: 108.254 ms

Loss rate: 1.20%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-30 23:34:04

End at: 2018-06-30 23:34:34

Local clock offset: -0.02 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-01 03:51:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.49 Mbit/s

95th percentile per-packet one-way delay: 122.791 ms

Loss rate: 1.80%

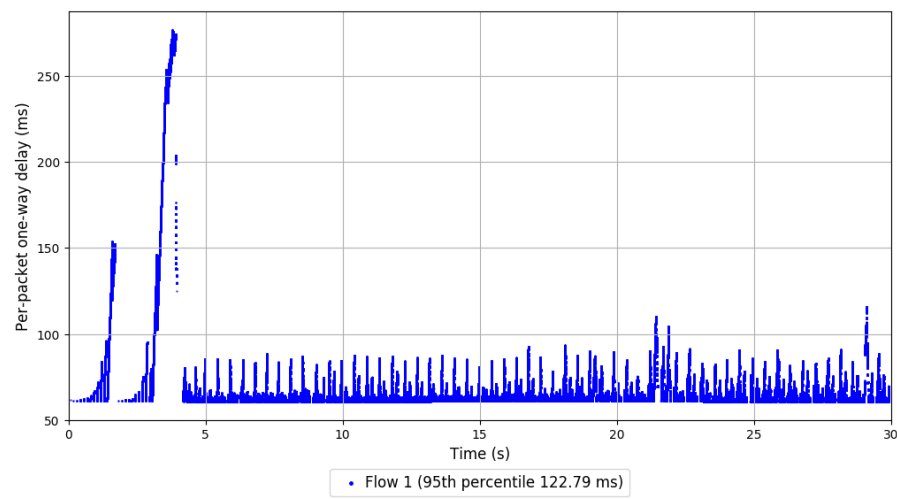
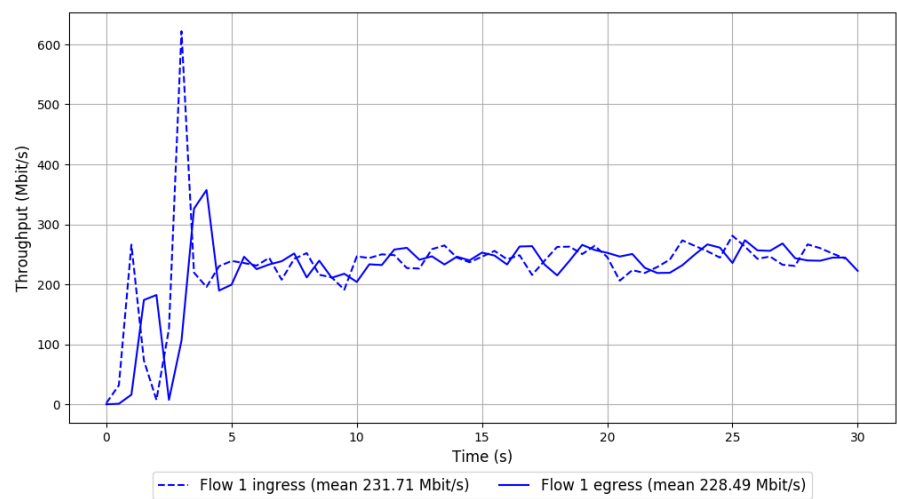
-- Flow 1:

Average throughput: 228.49 Mbit/s

95th percentile per-packet one-way delay: 122.791 ms

Loss rate: 1.80%

Run 4: Report of Verus — Data Link

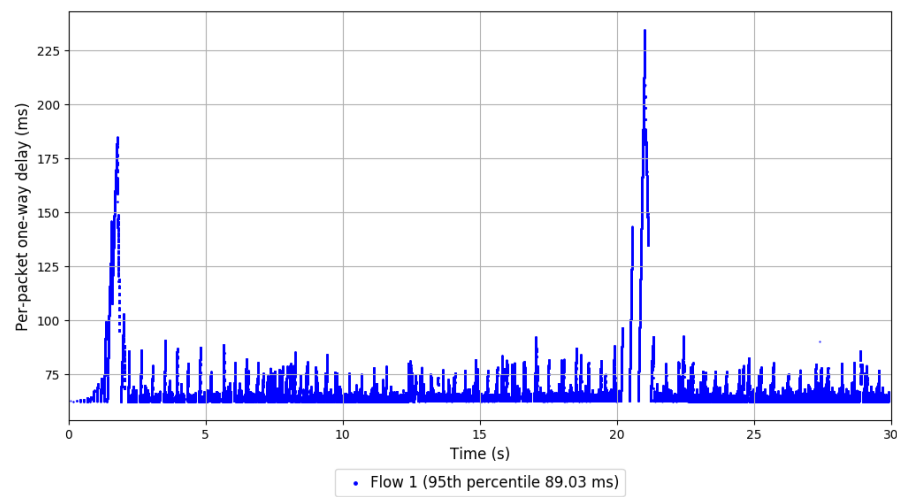
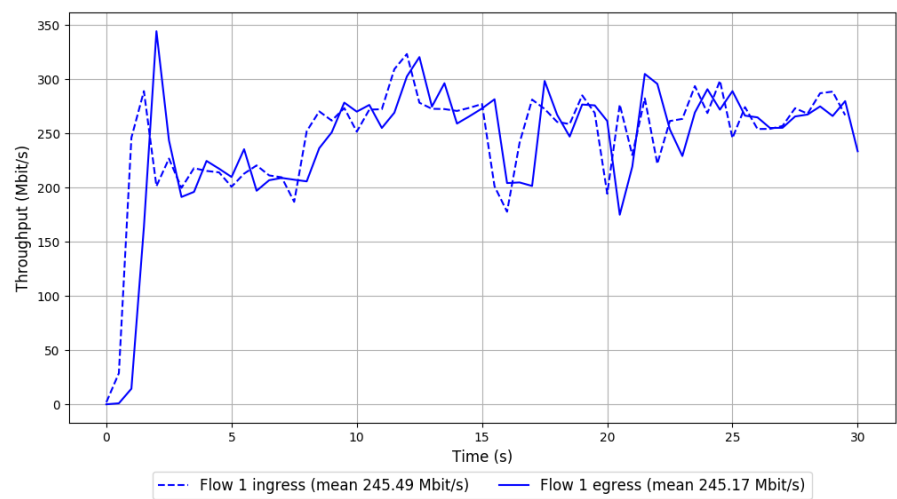


Run 5: Statistics of Verus

Start at: 2018-06-30 23:56:05
End at: 2018-06-30 23:56:35
Local clock offset: 0.097 ms
Remote clock offset: -1.334 ms

Below is generated by plot.py at 2018-07-01 03:51:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.17 Mbit/s
95th percentile per-packet one-way delay: 89.026 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 245.17 Mbit/s
95th percentile per-packet one-way delay: 89.026 ms
Loss rate: 0.54%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-01 00:17:48

End at: 2018-07-01 00:18:18

Local clock offset: 0.001 ms

Remote clock offset: 1.195 ms

Below is generated by plot.py at 2018-07-01 03:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.00 Mbit/s

95th percentile per-packet one-way delay: 218.643 ms

Loss rate: 1.37%

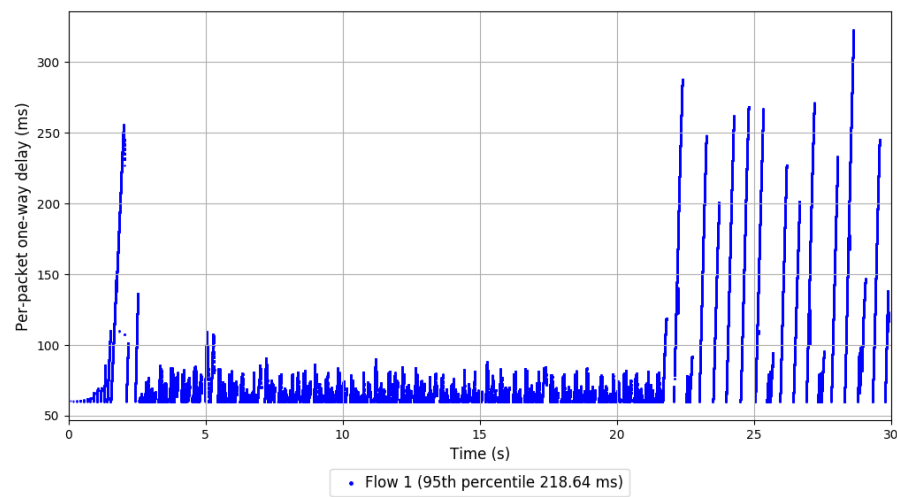
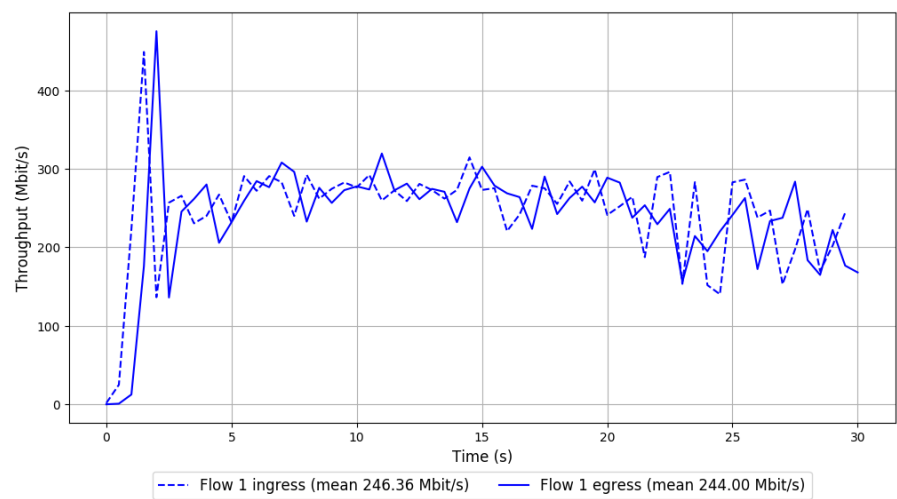
-- Flow 1:

Average throughput: 244.00 Mbit/s

95th percentile per-packet one-way delay: 218.643 ms

Loss rate: 1.37%

Run 6: Report of Verus — Data Link

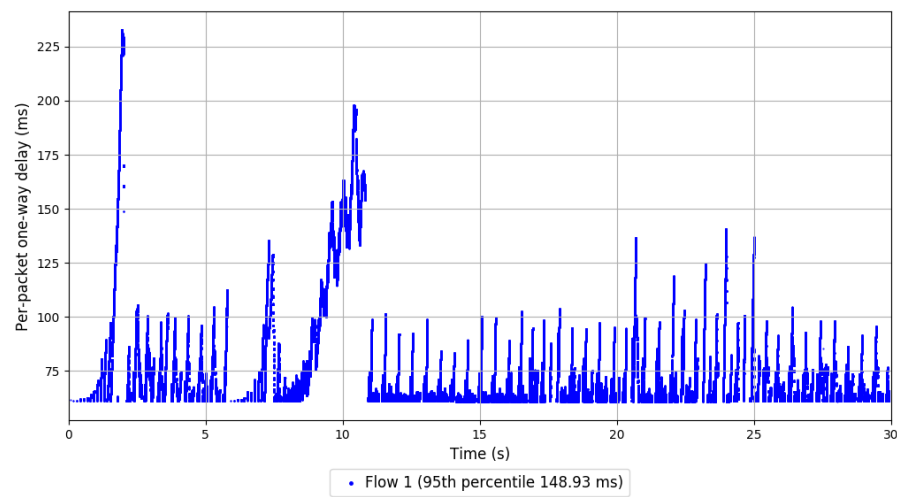
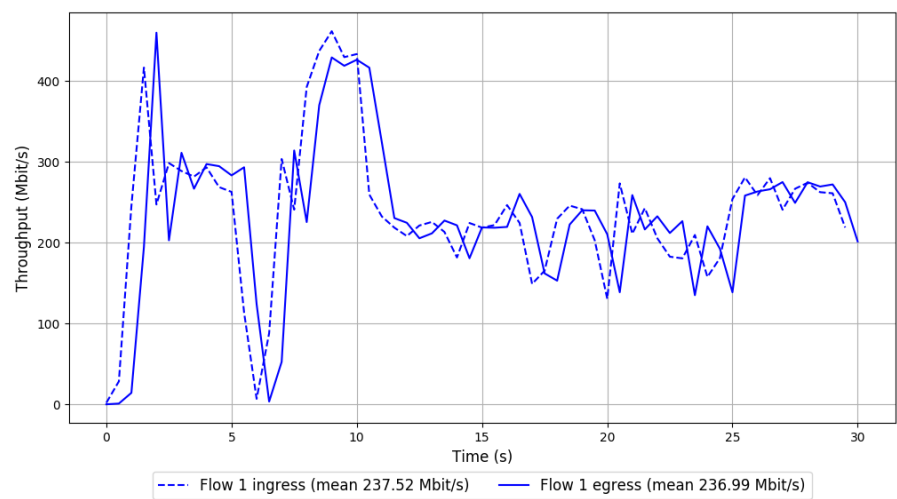


Run 7: Statistics of Verus

Start at: 2018-07-01 00:39:43
End at: 2018-07-01 00:40:13
Local clock offset: -0.019 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-01 03:52:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.99 Mbit/s
95th percentile per-packet one-way delay: 148.934 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 236.99 Mbit/s
95th percentile per-packet one-way delay: 148.934 ms
Loss rate: 0.63%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-01 01:01:42

End at: 2018-07-01 01:02:12

Local clock offset: -0.034 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-07-01 03:52:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.32 Mbit/s

95th percentile per-packet one-way delay: 161.396 ms

Loss rate: 2.25%

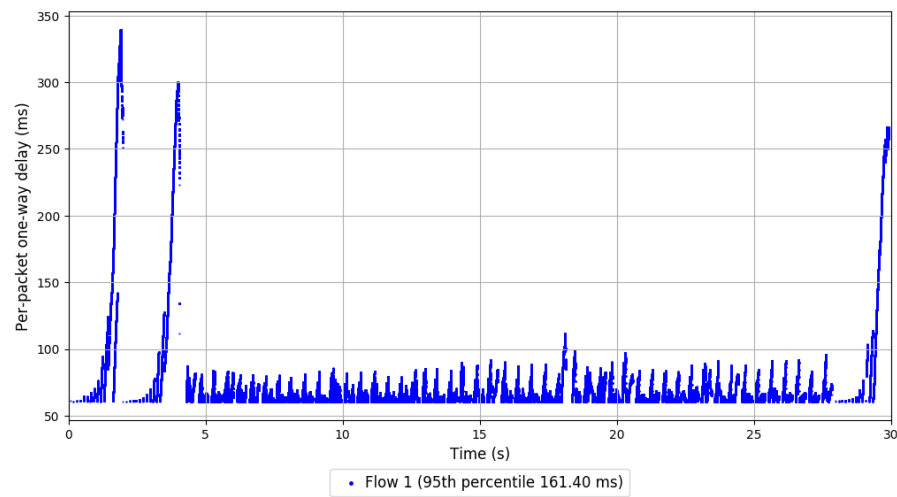
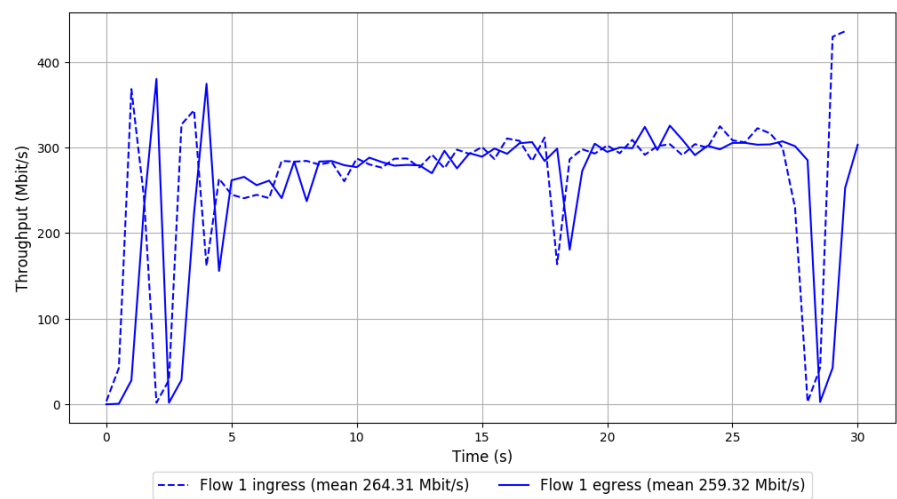
-- Flow 1:

Average throughput: 259.32 Mbit/s

95th percentile per-packet one-way delay: 161.396 ms

Loss rate: 2.25%

Run 8: Report of Verus — Data Link

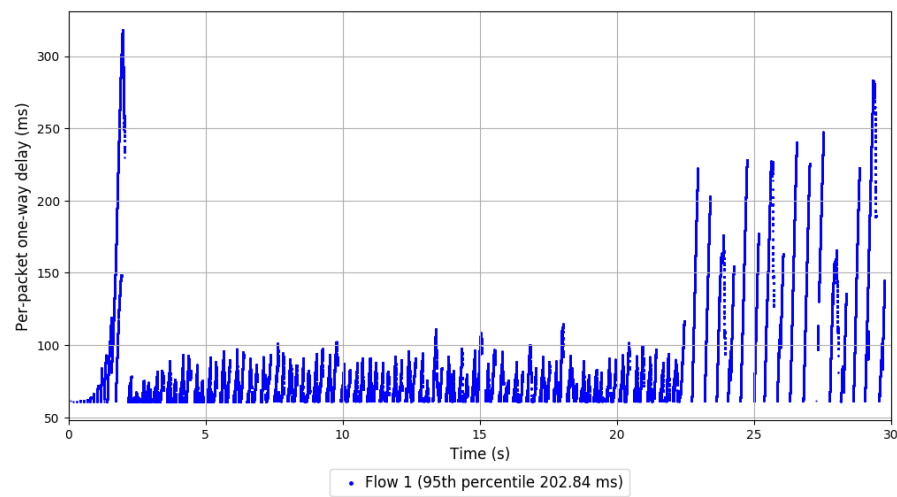
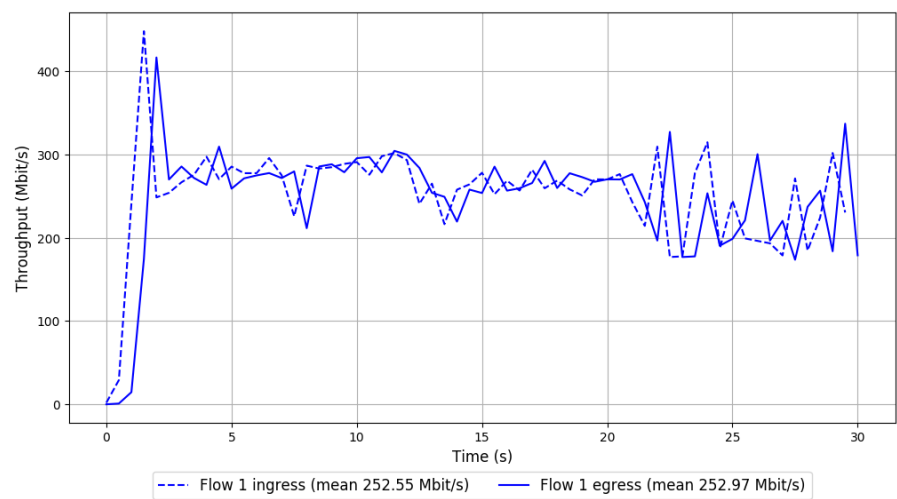


Run 9: Statistics of Verus

Start at: 2018-07-01 01:23:30
End at: 2018-07-01 01:24:00
Local clock offset: -0.052 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-01 03:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.97 Mbit/s
95th percentile per-packet one-way delay: 202.839 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 252.97 Mbit/s
95th percentile per-packet one-way delay: 202.839 ms
Loss rate: 0.74%

Run 9: Report of Verus — Data Link

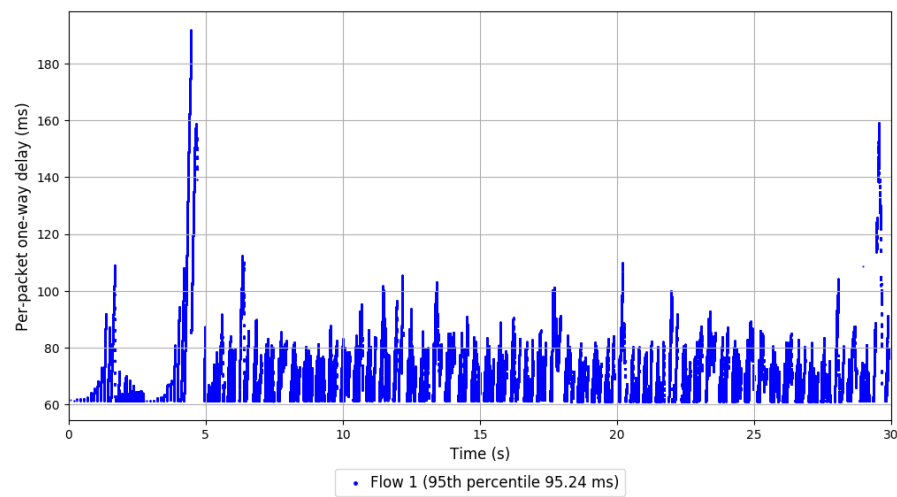
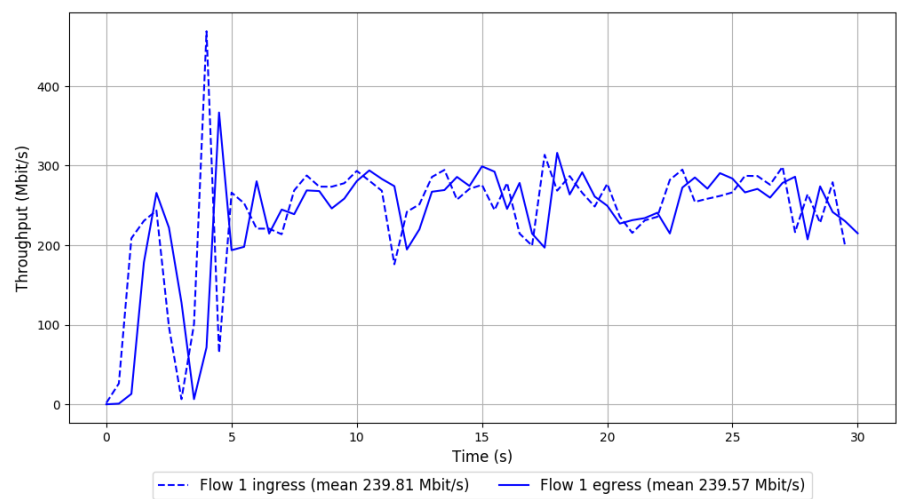


Run 10: Statistics of Verus

Start at: 2018-07-01 01:45:19
End at: 2018-07-01 01:45:49
Local clock offset: -0.028 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-01 03:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.57 Mbit/s
95th percentile per-packet one-way delay: 95.243 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 239.57 Mbit/s
95th percentile per-packet one-way delay: 95.243 ms
Loss rate: 0.50%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 22:26:32

End at: 2018-06-30 22:27:02

Local clock offset: -0.049 ms

Remote clock offset: 1.245 ms

Below is generated by plot.py at 2018-07-01 03:57:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.94 Mbit/s

95th percentile per-packet one-way delay: 69.842 ms

Loss rate: 0.92%

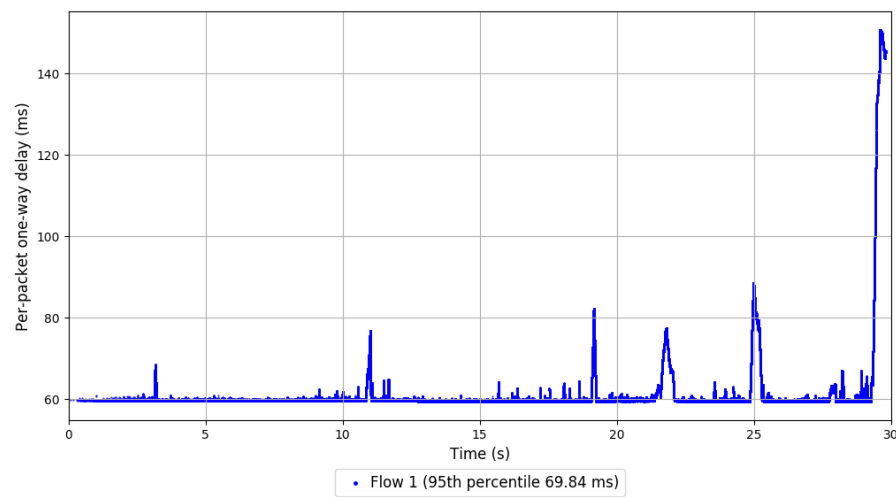
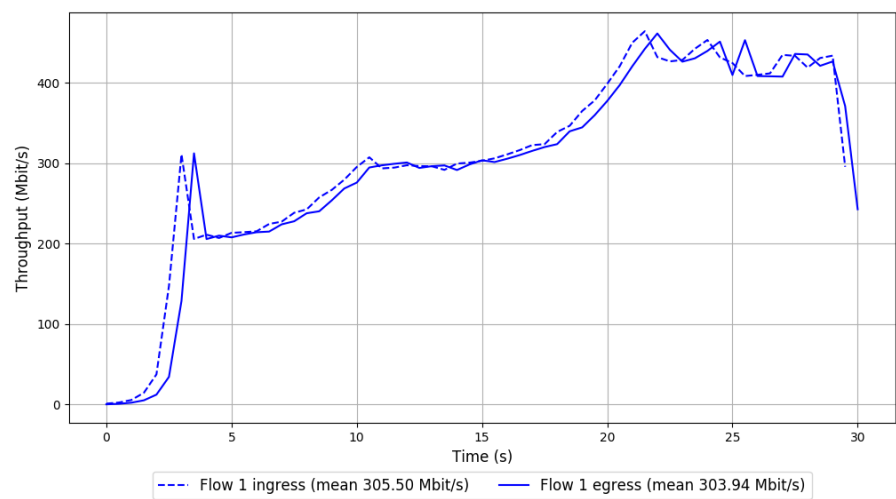
-- Flow 1:

Average throughput: 303.94 Mbit/s

95th percentile per-packet one-way delay: 69.842 ms

Loss rate: 0.92%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 22:48:34

End at: 2018-06-30 22:49:04

Local clock offset: -0.054 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-01 03:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.73 Mbit/s

95th percentile per-packet one-way delay: 87.360 ms

Loss rate: 0.66%

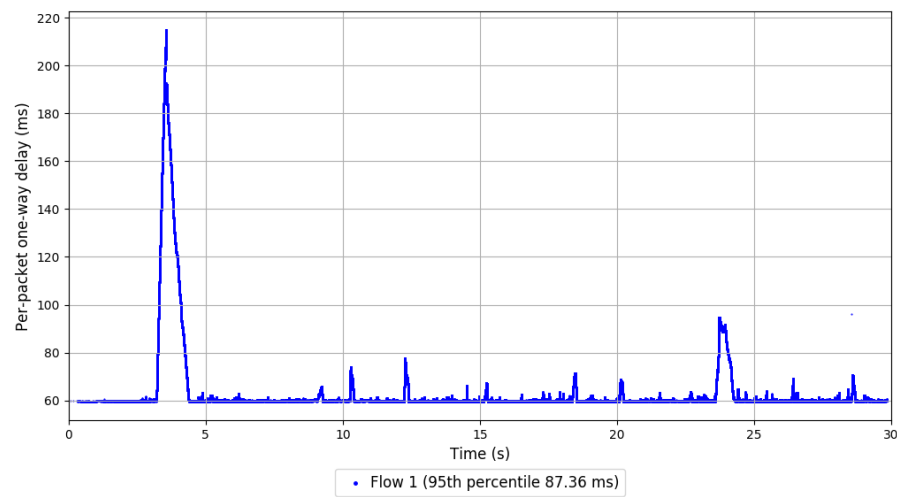
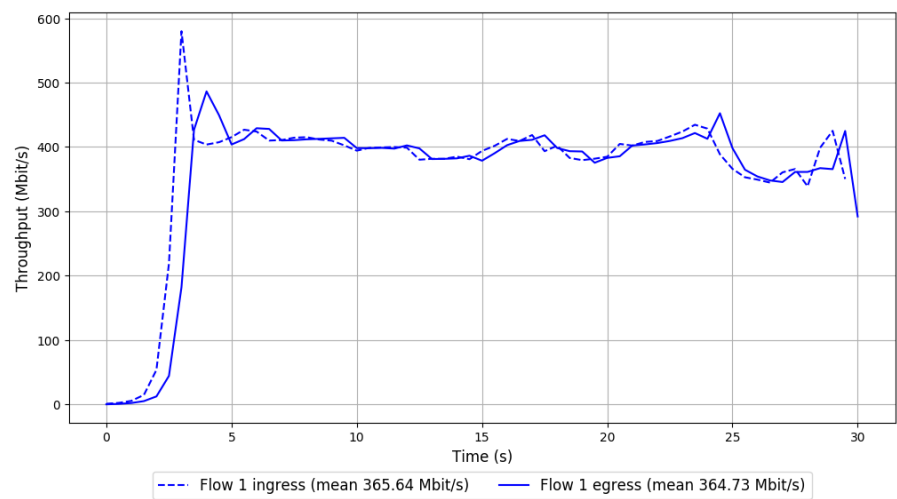
-- Flow 1:

Average throughput: 364.73 Mbit/s

95th percentile per-packet one-way delay: 87.360 ms

Loss rate: 0.66%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 23:10:40

End at: 2018-06-30 23:11:10

Local clock offset: -0.023 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2018-07-01 03:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.89 Mbit/s

95th percentile per-packet one-way delay: 149.986 ms

Loss rate: 0.69%

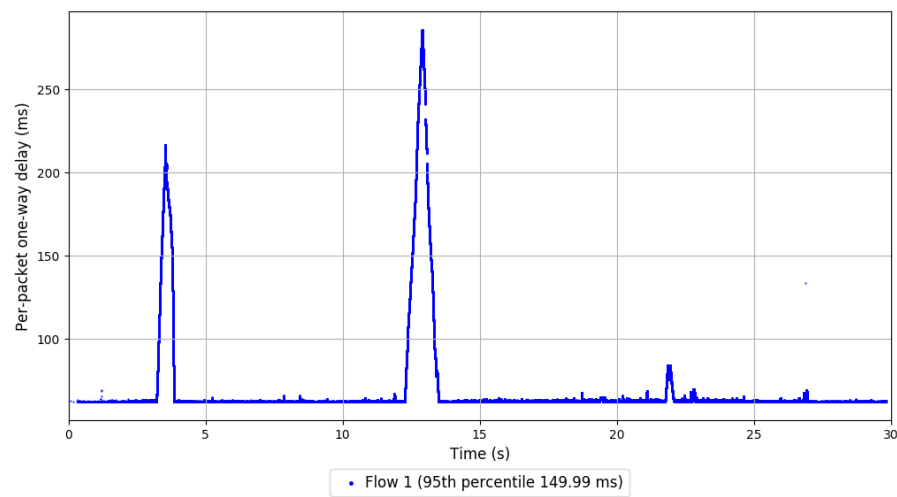
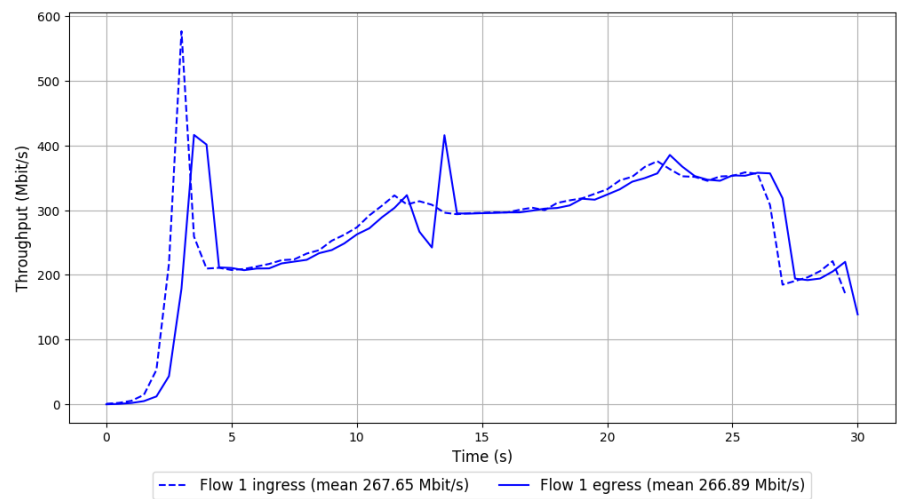
-- Flow 1:

Average throughput: 266.89 Mbit/s

95th percentile per-packet one-way delay: 149.986 ms

Loss rate: 0.69%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 23:32:34

End at: 2018-06-30 23:33:04

Local clock offset: -0.039 ms

Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-01 03:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.91 Mbit/s

95th percentile per-packet one-way delay: 114.763 ms

Loss rate: 0.79%

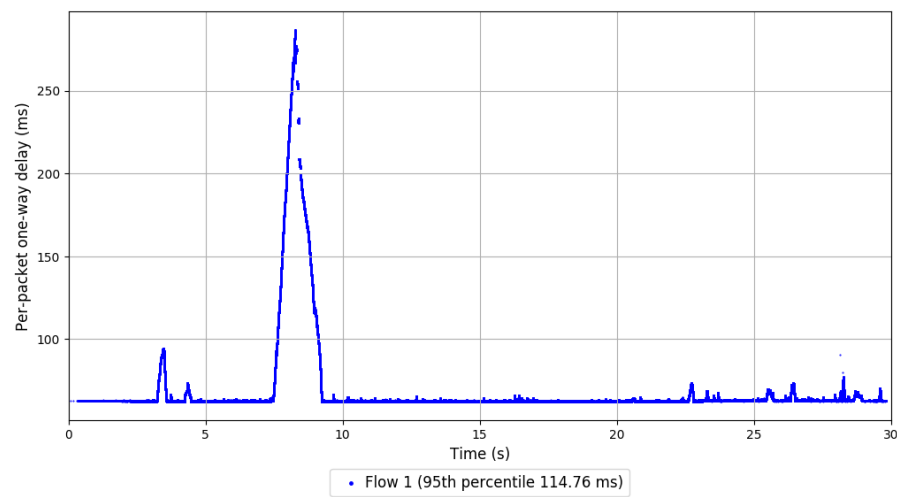
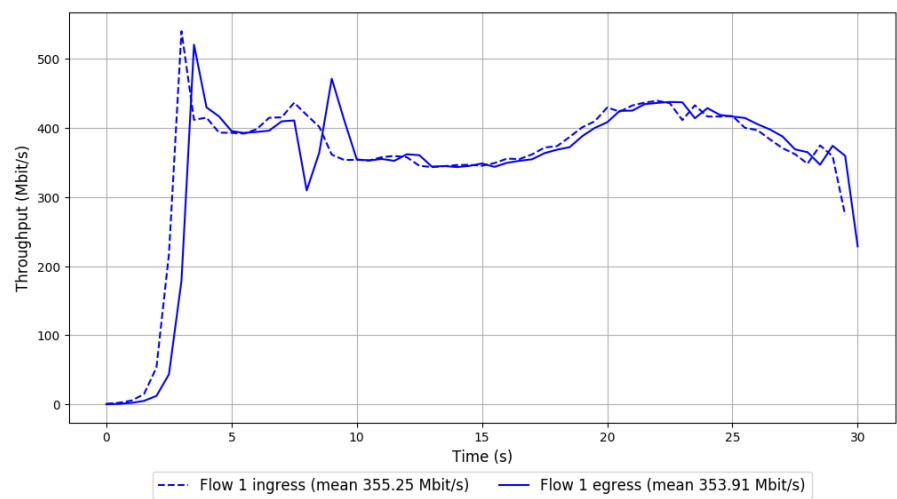
-- Flow 1:

Average throughput: 353.91 Mbit/s

95th percentile per-packet one-way delay: 114.763 ms

Loss rate: 0.79%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 23:54:36

End at: 2018-06-30 23:55:06

Local clock offset: 0.008 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 03:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.97 Mbit/s

95th percentile per-packet one-way delay: 135.109 ms

Loss rate: 0.65%

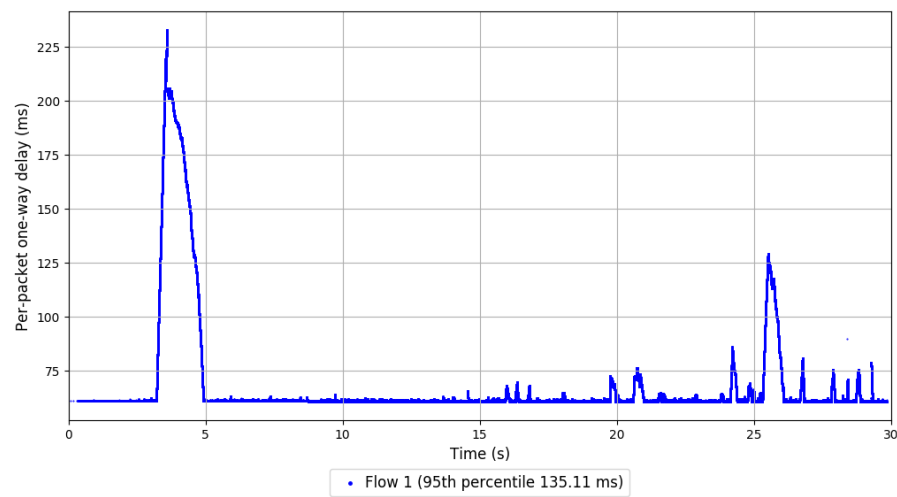
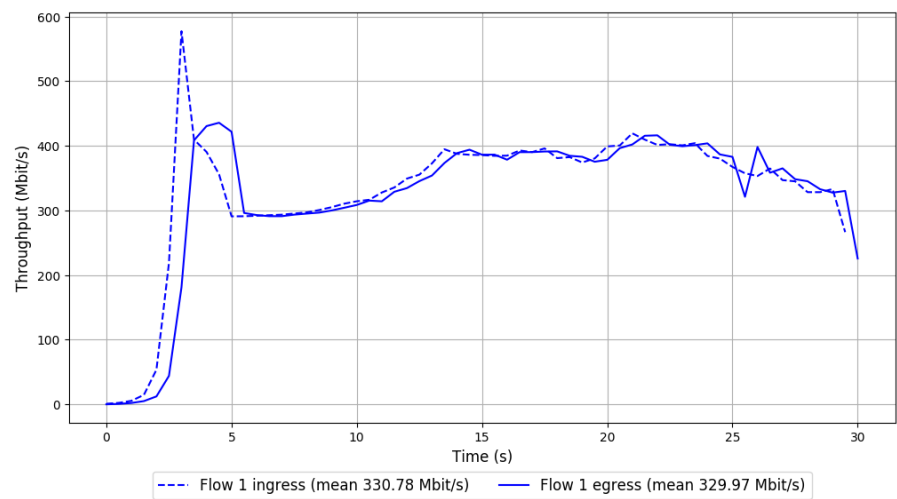
-- Flow 1:

Average throughput: 329.97 Mbit/s

95th percentile per-packet one-way delay: 135.109 ms

Loss rate: 0.65%

Run 5: Report of PCC-Vivace — Data Link

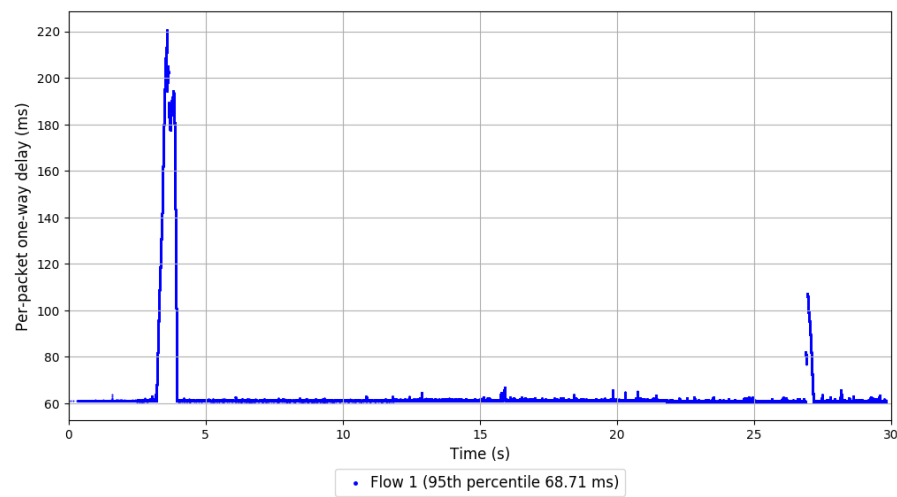
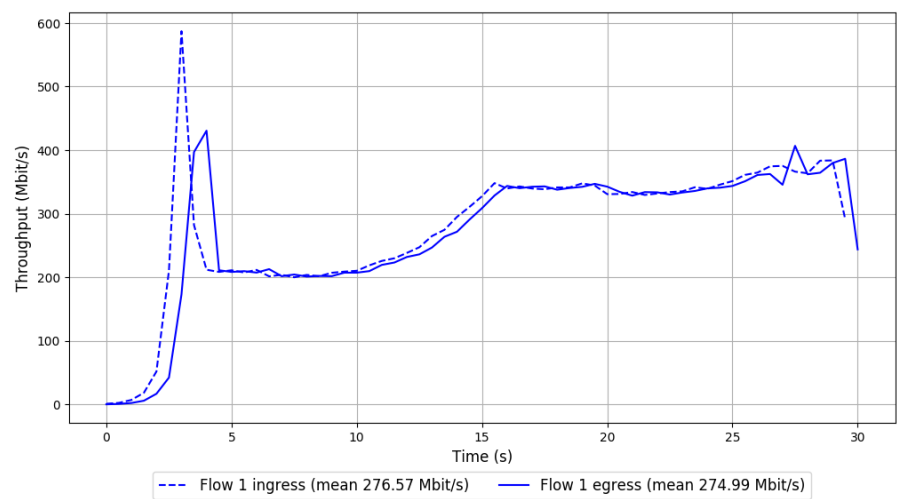


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-01 00:16:23
End at: 2018-07-01 00:16:53
Local clock offset: -0.017 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-01 03:59:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.99 Mbit/s
95th percentile per-packet one-way delay: 68.707 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 274.99 Mbit/s
95th percentile per-packet one-way delay: 68.707 ms
Loss rate: 0.98%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-01 00:38:15

End at: 2018-07-01 00:38:45

Local clock offset: -0.047 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-07-01 04:01:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 318.65 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.51%

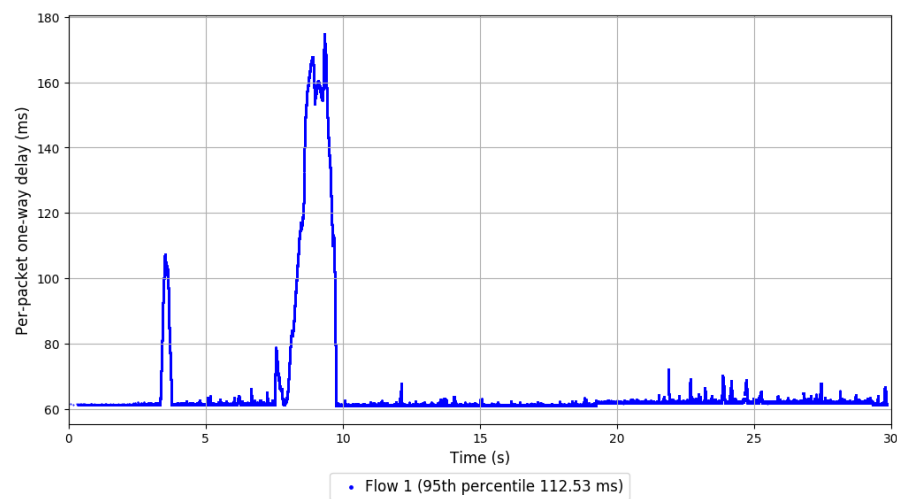
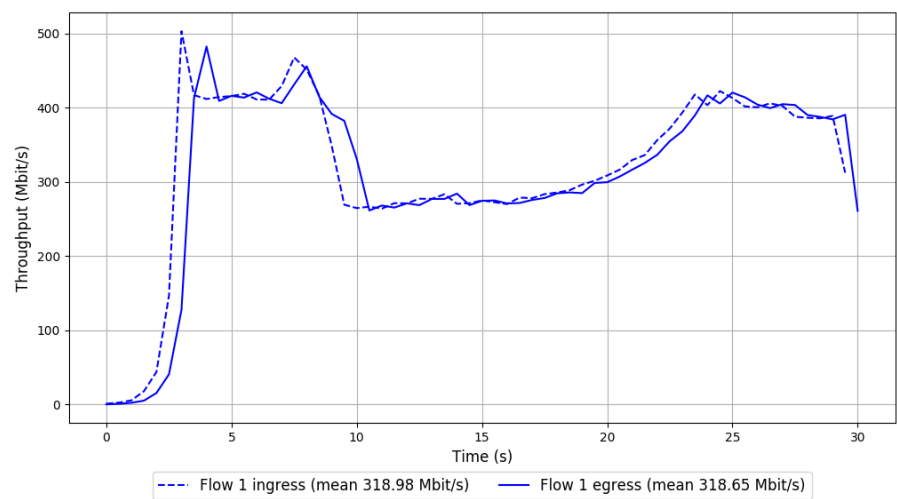
-- Flow 1:

Average throughput: 318.65 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.51%

Run 7: Report of PCC-Vivace — Data Link

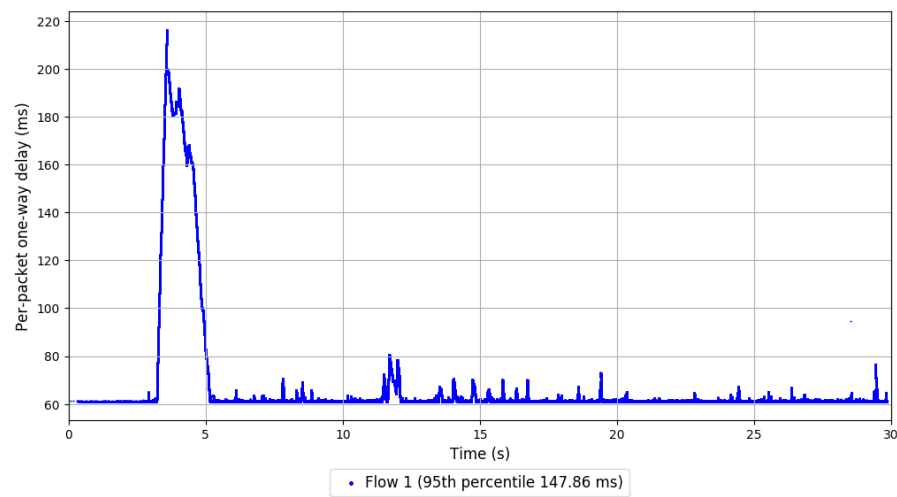
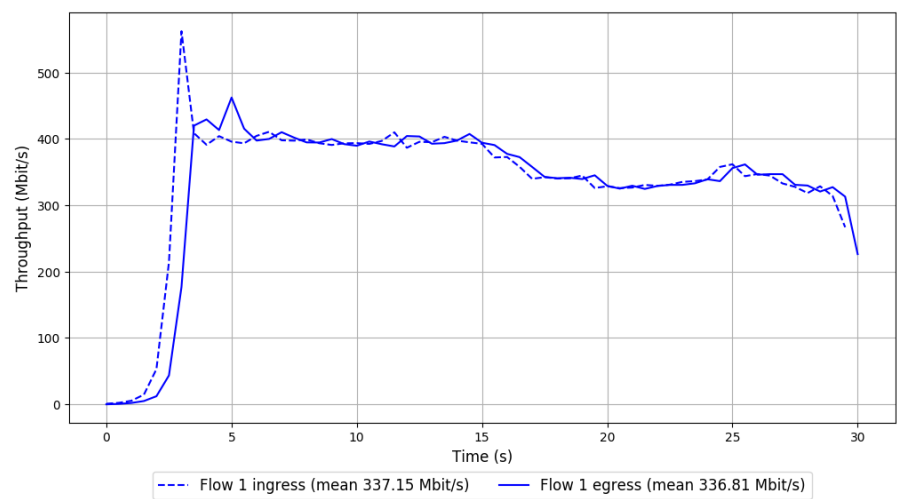


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-01 01:00:13
End at: 2018-07-01 01:00:43
Local clock offset: -0.028 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-01 04:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.81 Mbit/s
95th percentile per-packet one-way delay: 147.858 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 336.81 Mbit/s
95th percentile per-packet one-way delay: 147.858 ms
Loss rate: 0.51%

Run 8: Report of PCC-Vivace — Data Link

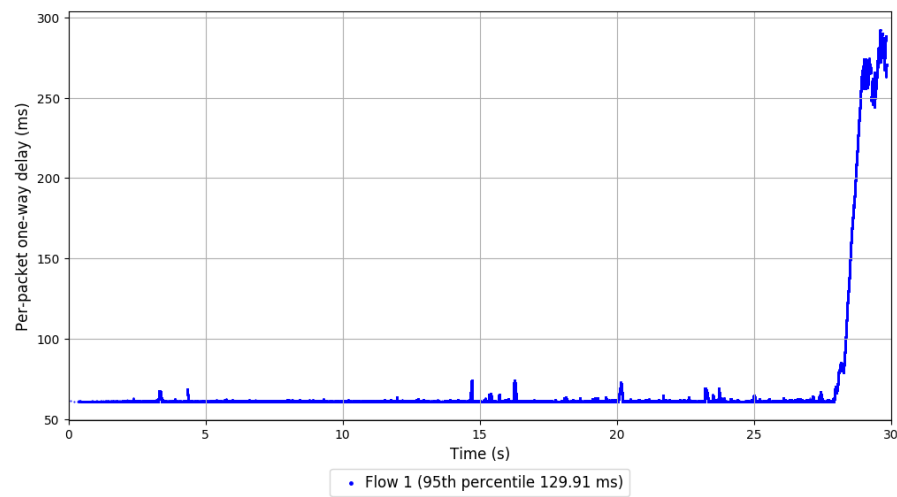
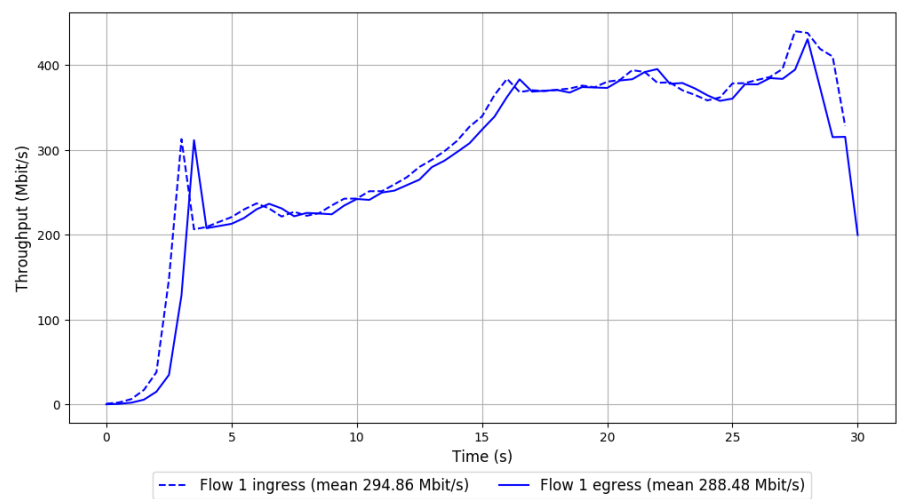


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-01 01:22:04
End at: 2018-07-01 01:22:35
Local clock offset: -0.042 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-01 04:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.48 Mbit/s
95th percentile per-packet one-way delay: 129.908 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 288.48 Mbit/s
95th percentile per-packet one-way delay: 129.908 ms
Loss rate: 2.57%

Run 9: Report of PCC-Vivace — Data Link

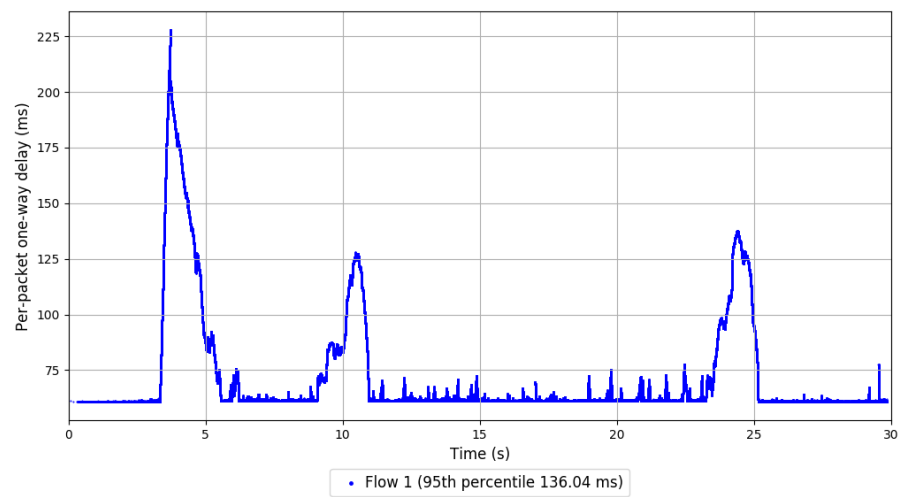
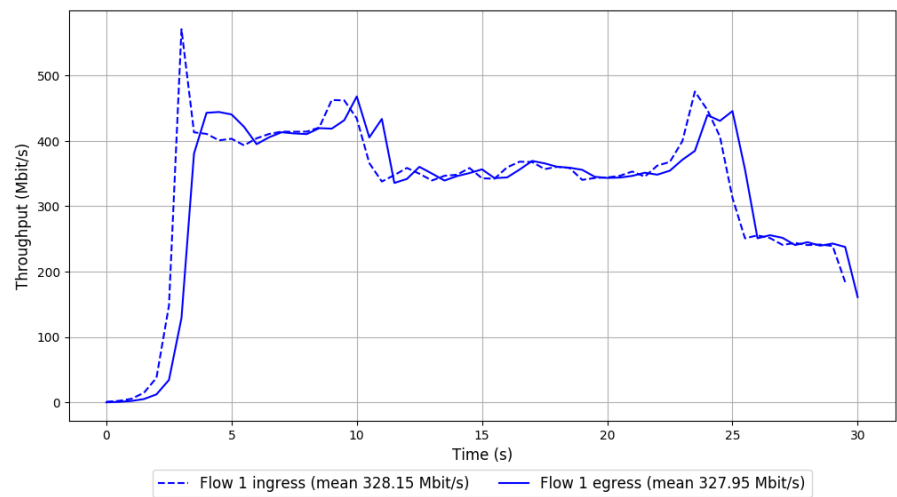


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-01 01:43:51
End at: 2018-07-01 01:44:21
Local clock offset: -0.054 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-01 04:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.95 Mbit/s
95th percentile per-packet one-way delay: 136.040 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 327.95 Mbit/s
95th percentile per-packet one-way delay: 136.040 ms
Loss rate: 0.47%

Run 10: Report of PCC-Vivace — Data Link

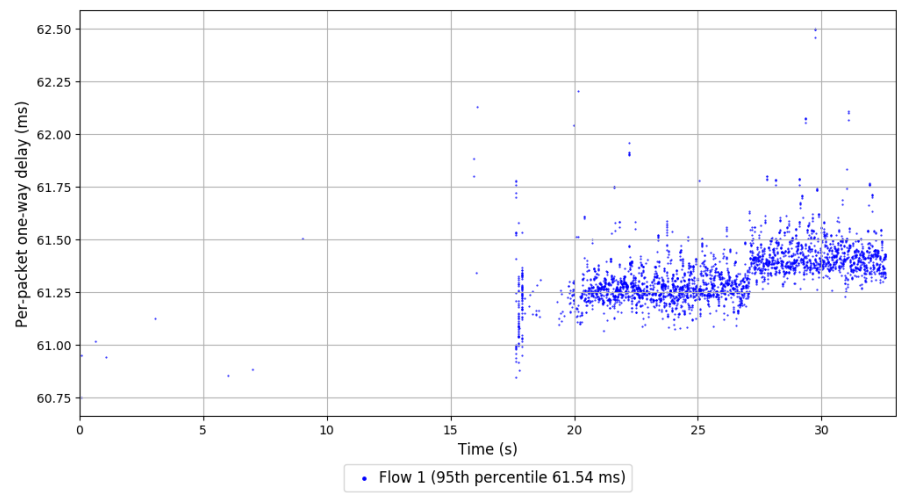
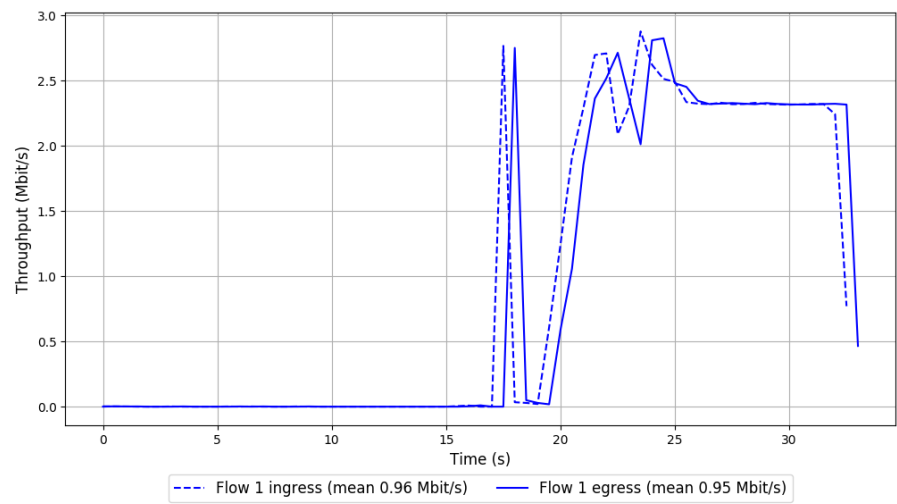


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-30 22:44:00
End at: 2018-06-30 22:44:30
Local clock offset: -0.04 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-07-01 04:01:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 61.539 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 61.539 ms
Loss rate: 0.86%
```

Run 1: Report of WebRTC media — Data Link

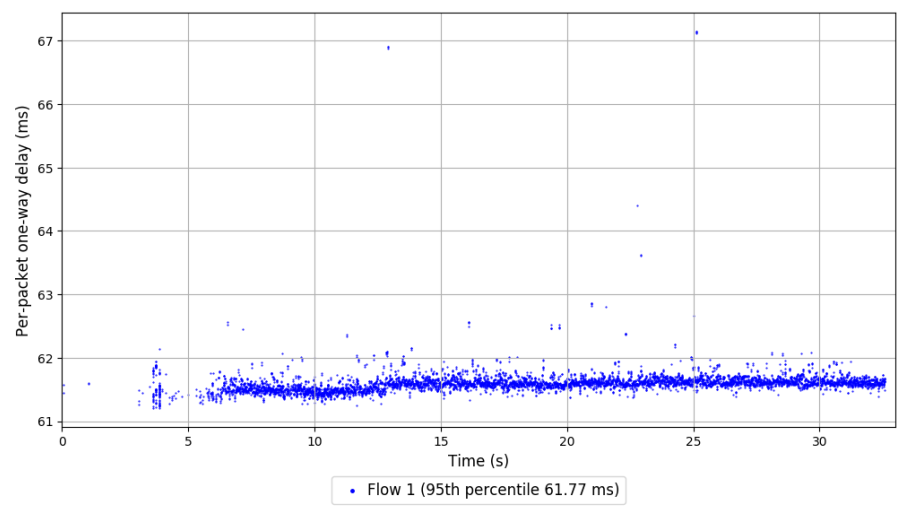
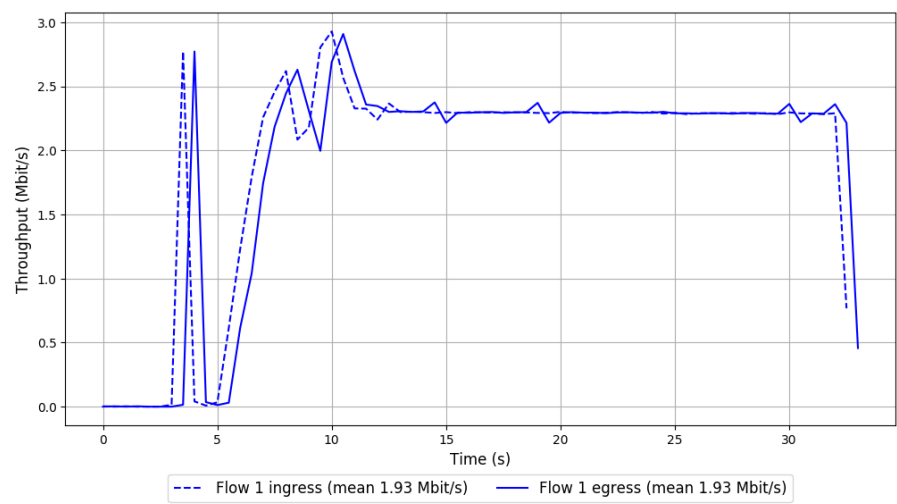


Run 2: Statistics of WebRTC media

Start at: 2018-06-30 23:06:05
End at: 2018-06-30 23:06:35
Local clock offset: -0.074 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-07-01 04:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.767 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 61.767 ms
Loss rate: 0.49%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-30 23:27:59

End at: 2018-06-30 23:28:29

Local clock offset: -0.024 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-01 04:01:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.297 ms

Loss rate: 0.49%

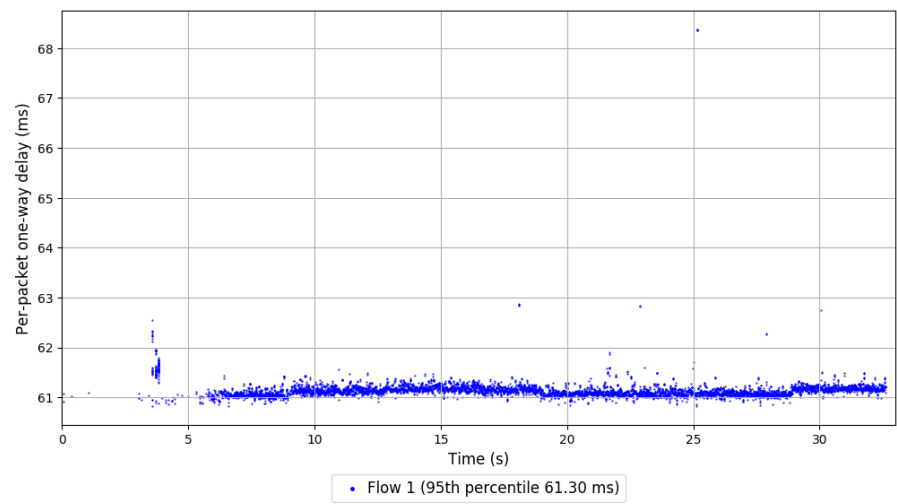
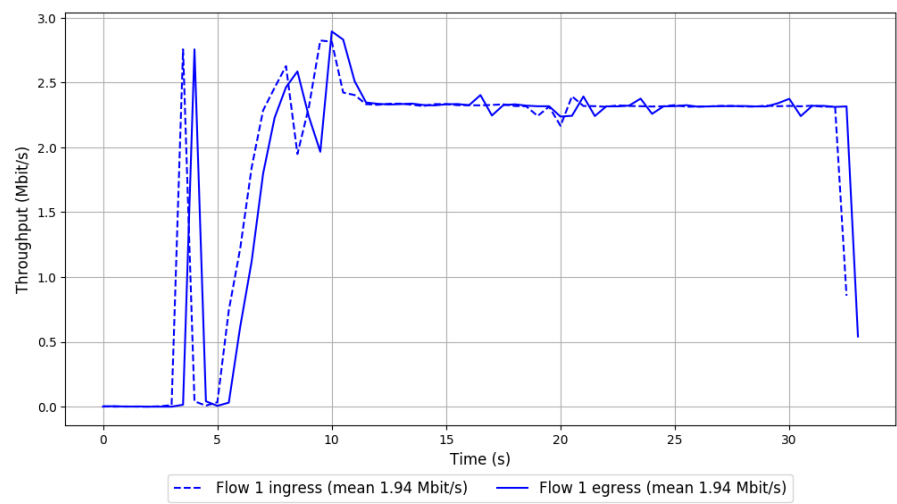
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.297 ms

Loss rate: 0.49%

Run 3: Report of WebRTC media — Data Link

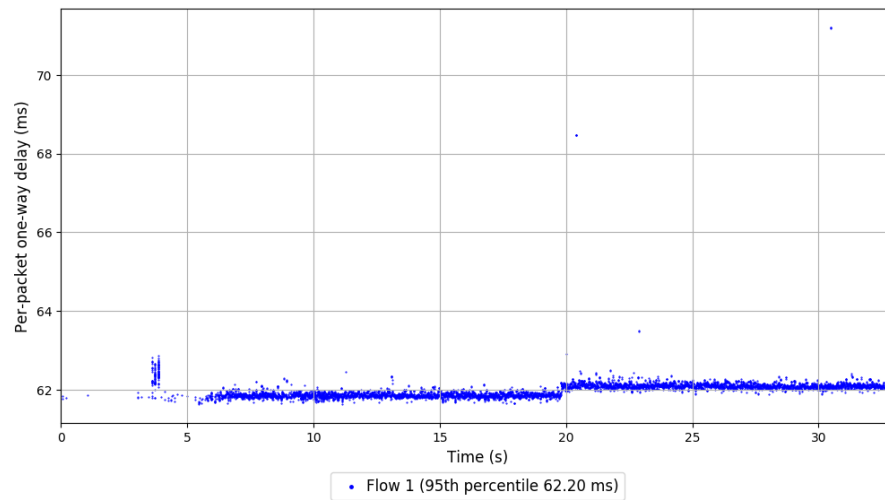
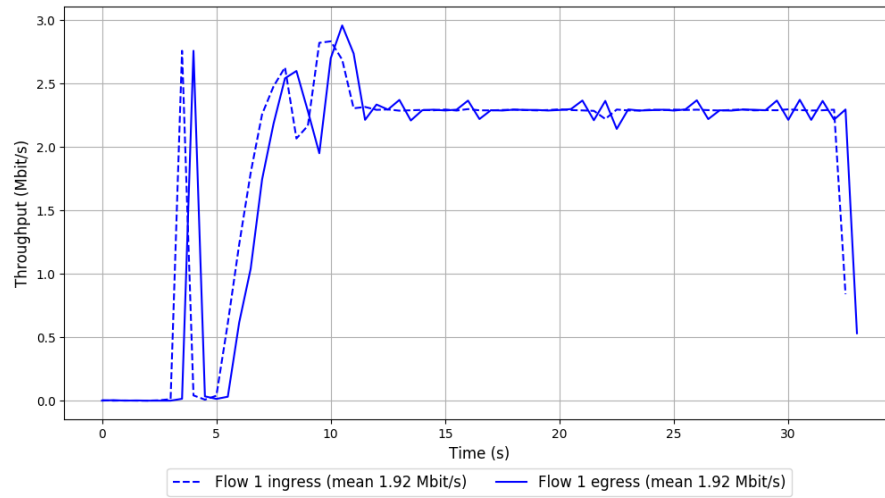


Run 4: Statistics of WebRTC media

Start at: 2018-06-30 23:50:00
End at: 2018-06-30 23:50:30
Local clock offset: 0.02 ms
Remote clock offset: -0.895 ms

Below is generated by plot.py at 2018-07-01 04:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.200 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.200 ms
Loss rate: 0.49%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-01 00:11:47

End at: 2018-07-01 00:12:17

Local clock offset: 0.004 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2018-07-01 04:01:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 62.767 ms

Loss rate: 0.49%

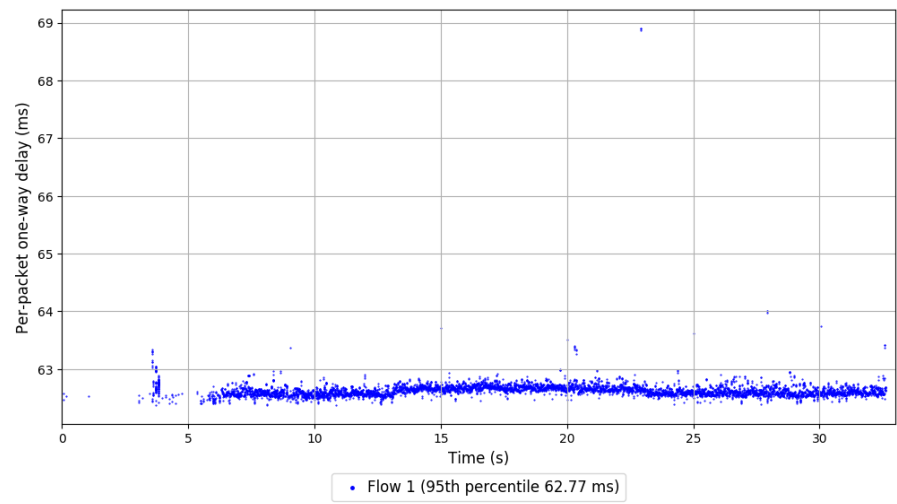
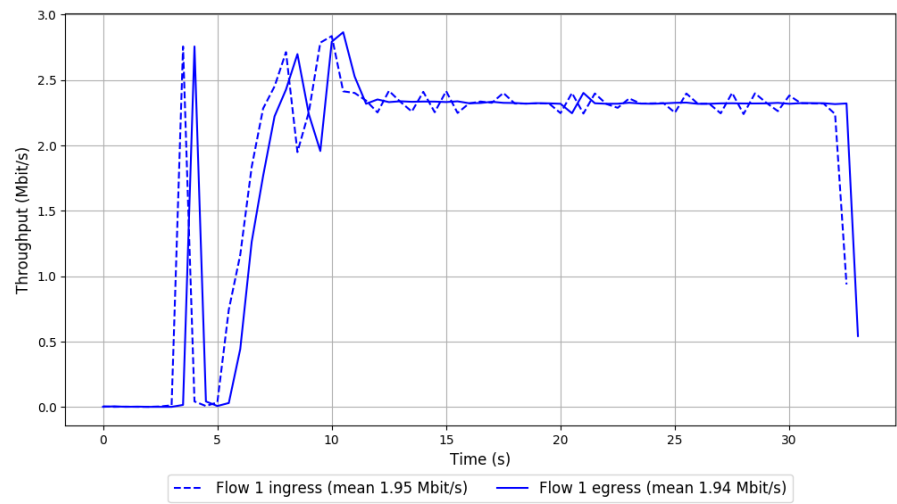
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 62.767 ms

Loss rate: 0.49%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-01 00:33:40

End at: 2018-07-01 00:34:10

Local clock offset: -0.003 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-01 04:01:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.312 ms

Loss rate: 0.43%

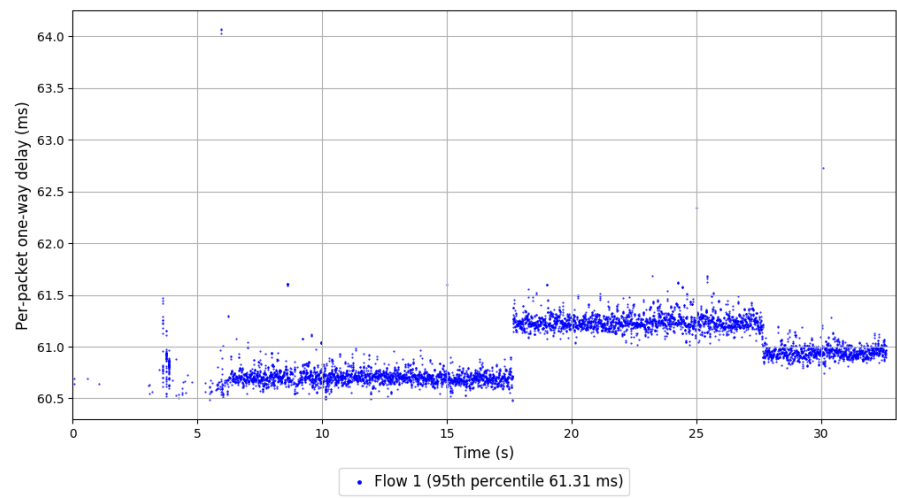
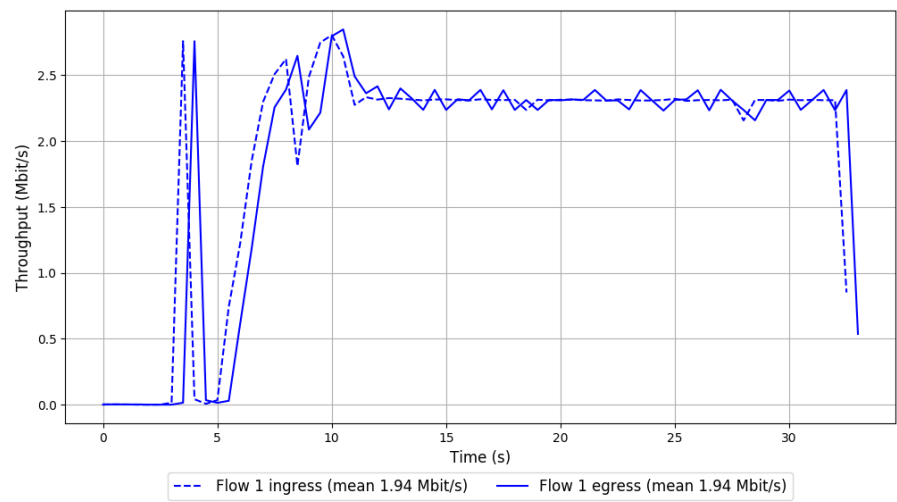
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.312 ms

Loss rate: 0.43%

Run 6: Report of WebRTC media — Data Link

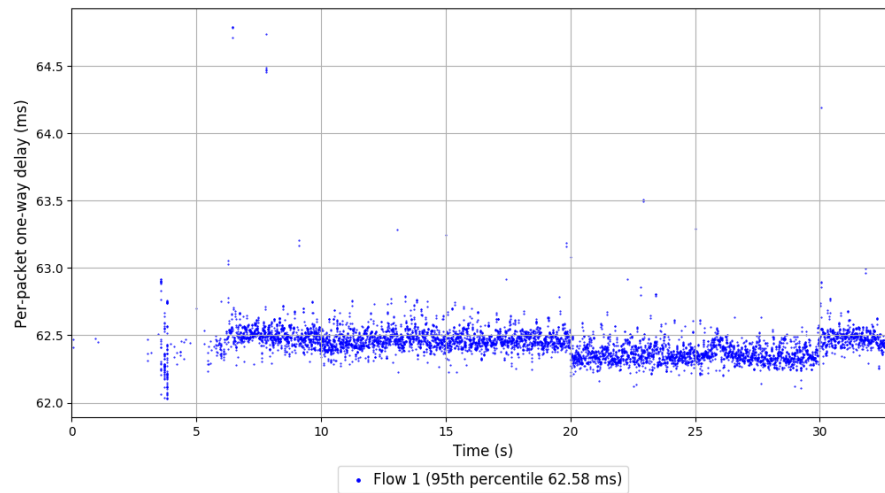
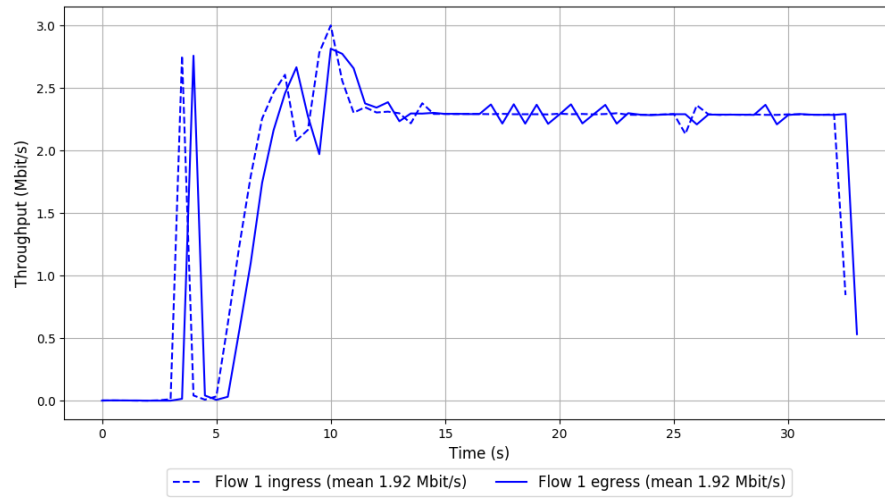


Run 7: Statistics of WebRTC media

Start at: 2018-07-01 00:55:38
End at: 2018-07-01 00:56:08
Local clock offset: -0.053 ms
Remote clock offset: -1.356 ms

Below is generated by plot.py at 2018-07-01 04:01:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.584 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.584 ms
Loss rate: 0.49%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-01 01:17:28

End at: 2018-07-01 01:17:58

Local clock offset: -0.043 ms

Remote clock offset: 1.211 ms

Below is generated by plot.py at 2018-07-01 04:01:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 60.262 ms

Loss rate: 0.42%

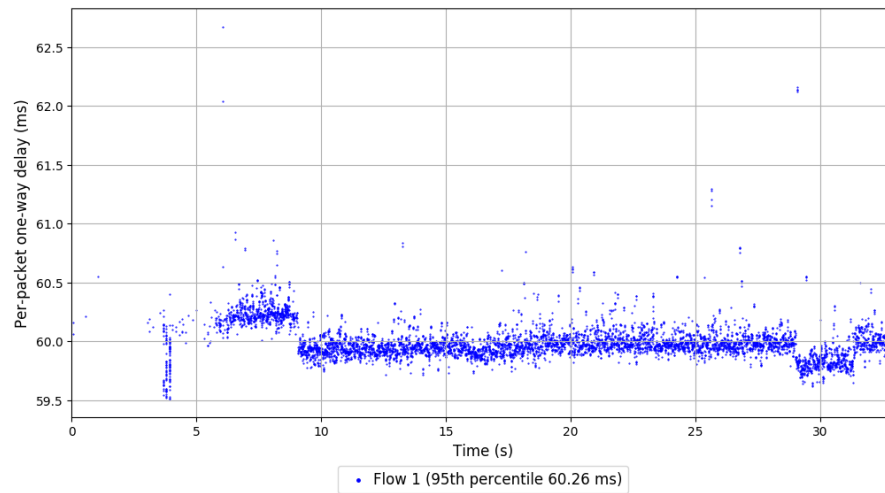
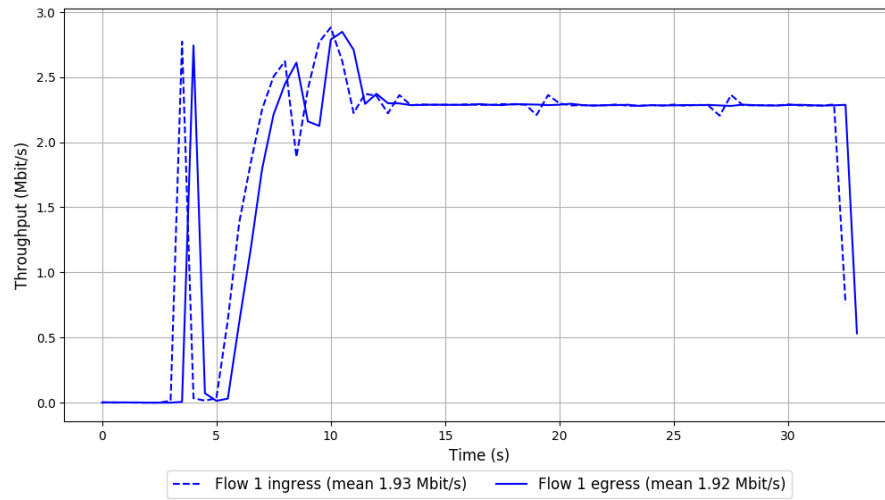
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 60.262 ms

Loss rate: 0.42%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-01 01:39:15

End at: 2018-07-01 01:39:45

Local clock offset: -0.015 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-07-01 04:01:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 62.656 ms

Loss rate: 0.49%

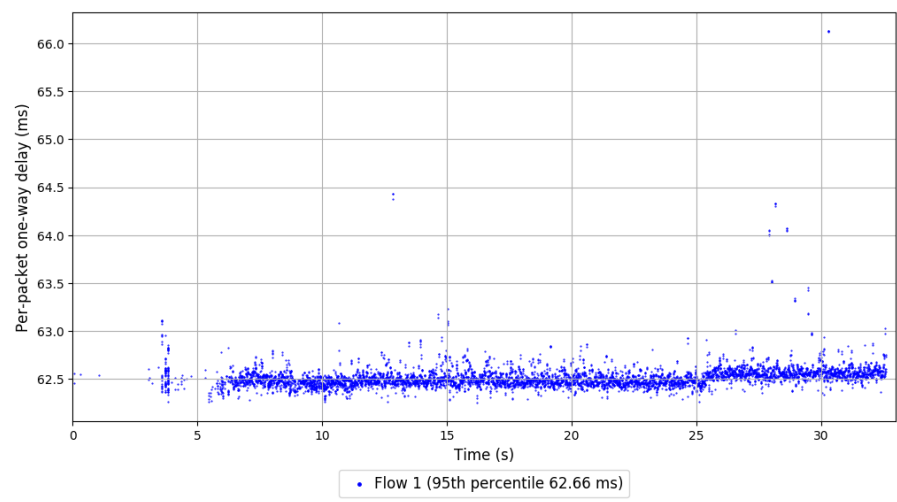
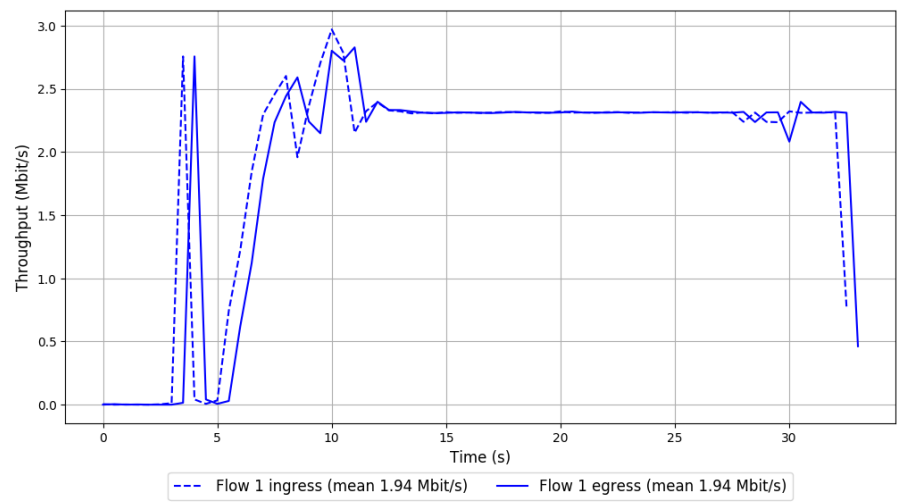
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 62.656 ms

Loss rate: 0.49%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-01 02:01:09

End at: 2018-07-01 02:01:39

Local clock offset: -0.06 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-01 04:01:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.261 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.261 ms

Loss rate: 0.49%

Run 10: Report of WebRTC media — Data Link

