

Pantheon Report

Generated at 2018-08-02 20:16:09 (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.

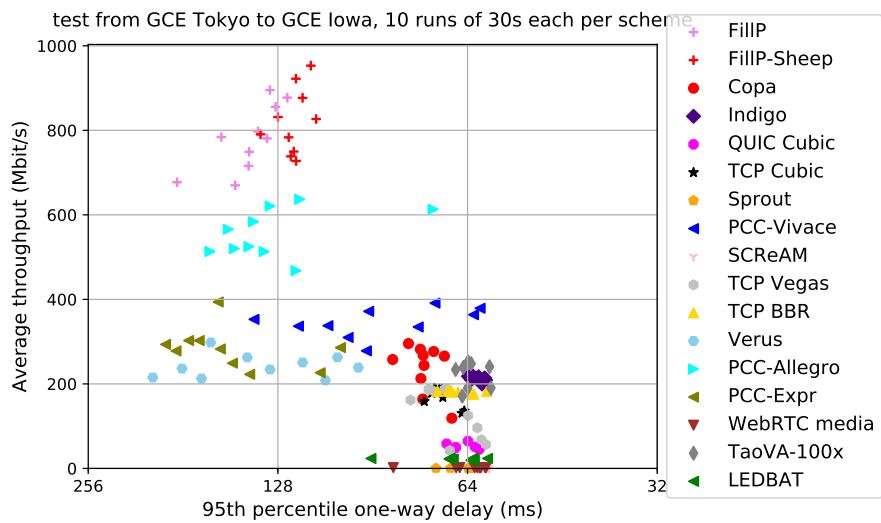
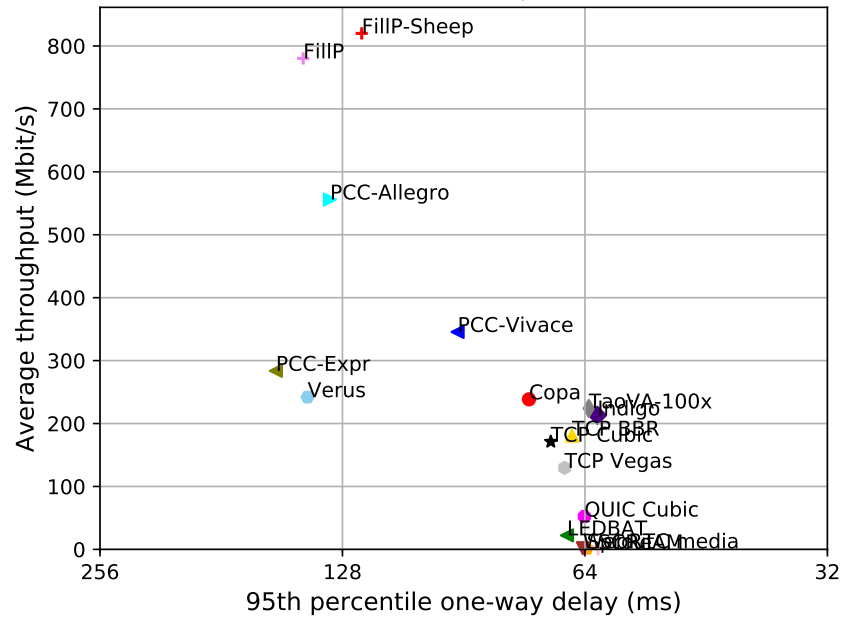
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
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)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	180.76	66.39	0.42
Copa	10	238.50	75.10	0.28
TCP Cubic	10	171.09	70.57	0.42
FillP	10	780.26	143.20	6.06
FillP-Sheep	10	820.01	121.15	1.36
Indigo	10	212.97	61.76	0.43
LEDBAT	10	22.30	67.38	0.81
PCC-Allegro	10	556.01	132.65	2.43
PCC-Expr	10	283.73	154.85	1.04
QUIC Cubic	8	52.24	64.10	0.63
SCReAM	10	0.22	61.64	0.41
Sprout	10	1.18	63.67	0.27
TaoVA-100x	9	224.00	63.30	0.46
TCP Vegas	10	129.57	67.84	0.40
Verus	10	241.94	141.44	2.41
PCC-Vivace	10	345.55	92.11	0.51
WebRTC media	10	1.81	64.37	0.51

Run 1: Statistics of TCP BBR

Start at: 2018-08-02 14:40:24

End at: 2018-08-02 14:40:54

Local clock offset: -0.054 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-02 18:22:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.33 Mbit/s

95th percentile per-packet one-way delay: 67.856 ms

Loss rate: 0.42%

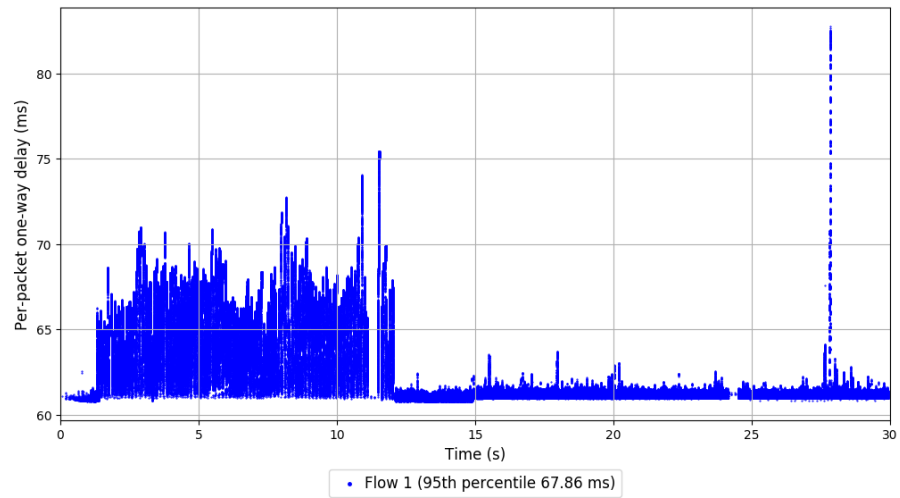
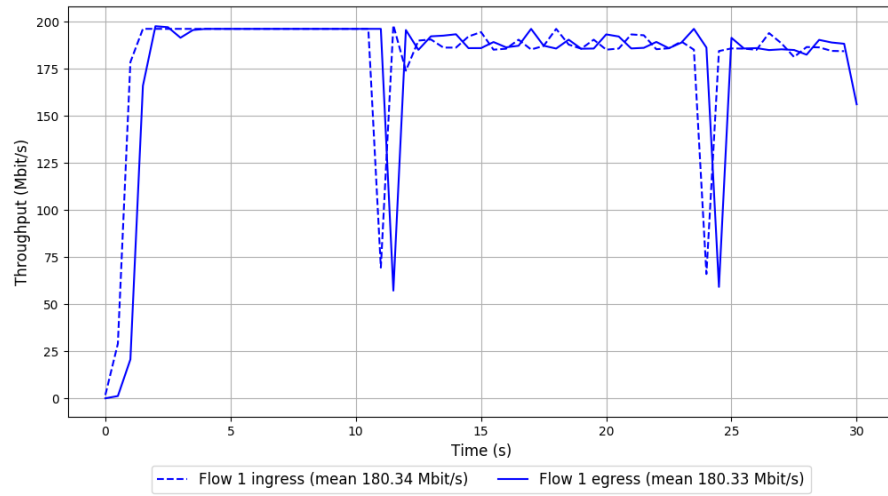
-- Flow 1:

Average throughput: 180.33 Mbit/s

95th percentile per-packet one-way delay: 67.856 ms

Loss rate: 0.42%

Run 1: Report of TCP BBR — Data Link

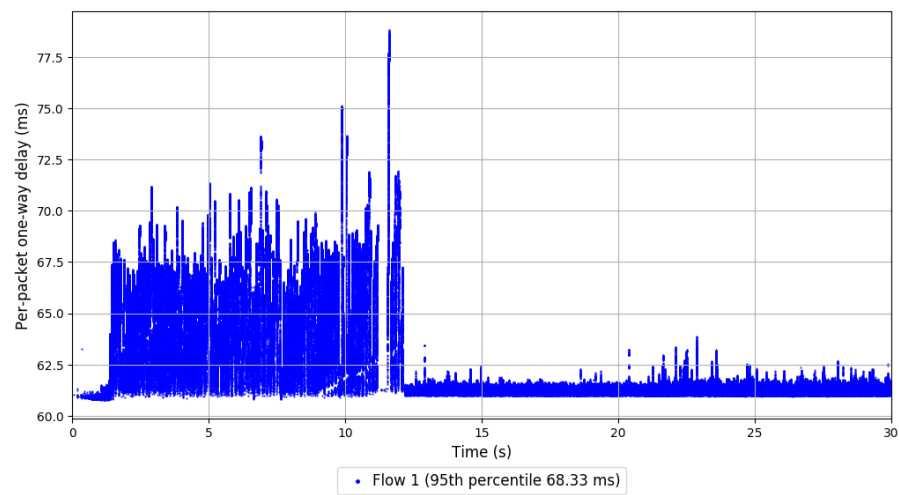
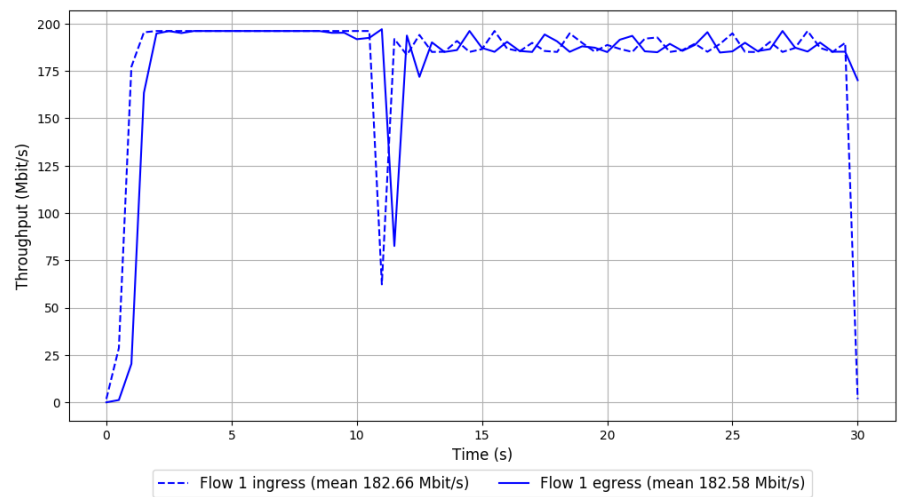


Run 2: Statistics of TCP BBR

Start at: 2018-08-02 15:02:18
End at: 2018-08-02 15:02:48
Local clock offset: -0.014 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-08-02 18:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.58 Mbit/s
95th percentile per-packet one-way delay: 68.326 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 182.58 Mbit/s
95th percentile per-packet one-way delay: 68.326 ms
Loss rate: 0.45%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-02 15:24:42

End at: 2018-08-02 15:25:12

Local clock offset: 0.056 ms

Remote clock offset: -1.771 ms

Below is generated by plot.py at 2018-08-02 18:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.69 Mbit/s

95th percentile per-packet one-way delay: 68.204 ms

Loss rate: 0.41%

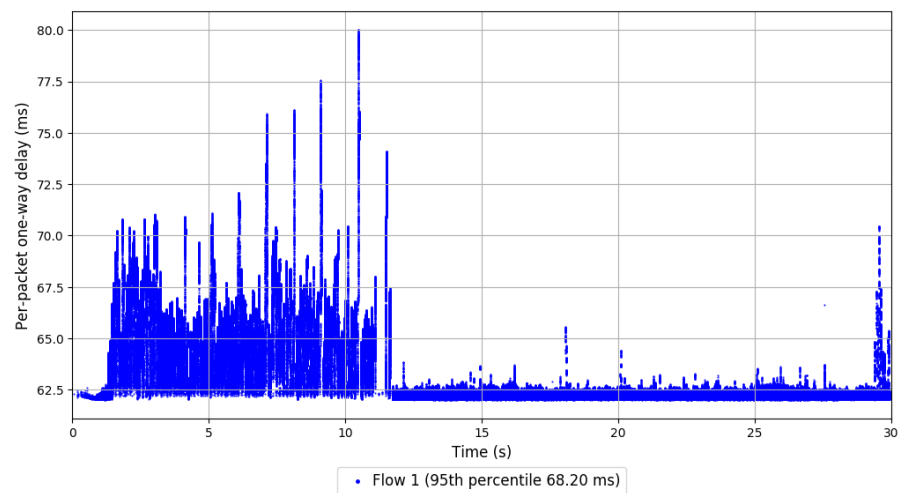
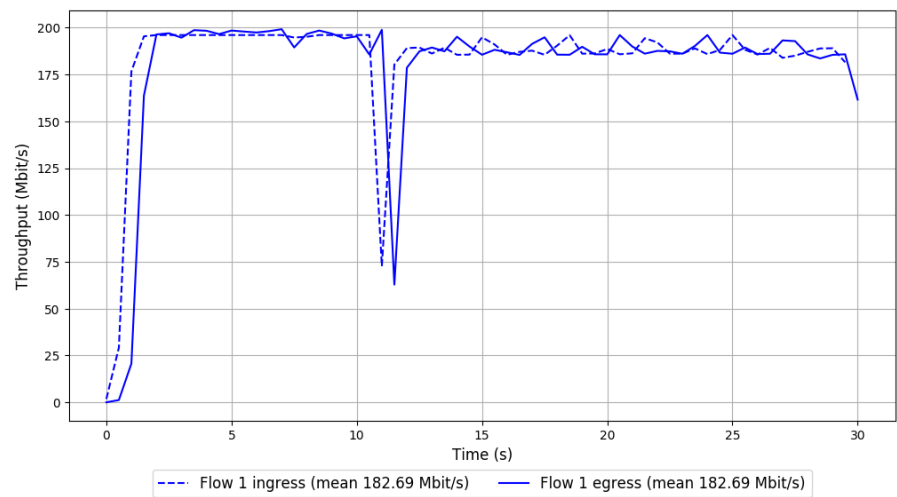
-- Flow 1:

Average throughput: 182.69 Mbit/s

95th percentile per-packet one-way delay: 68.204 ms

Loss rate: 0.41%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-02 15:47:17

End at: 2018-08-02 15:47:47

Local clock offset: -0.019 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-08-02 18:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.76 Mbit/s

95th percentile per-packet one-way delay: 67.879 ms

Loss rate: 0.41%

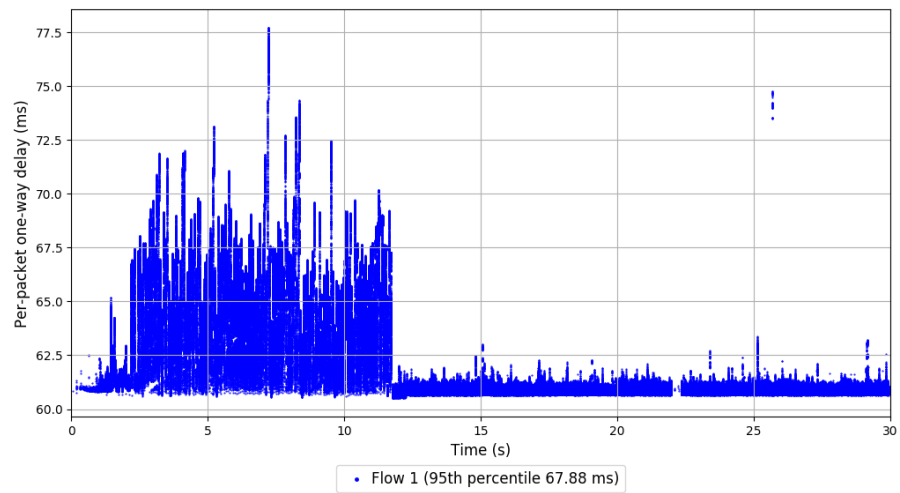
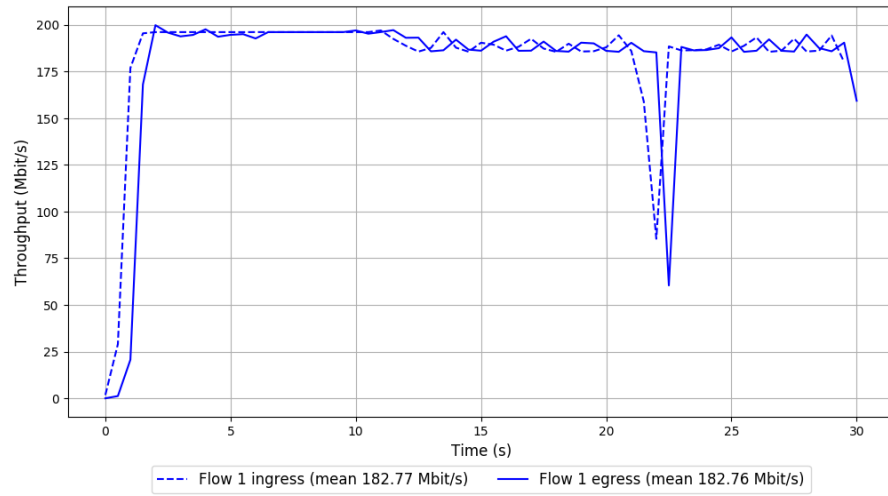
-- Flow 1:

Average throughput: 182.76 Mbit/s

95th percentile per-packet one-way delay: 67.879 ms

Loss rate: 0.41%

Run 4: Report of TCP BBR — Data Link

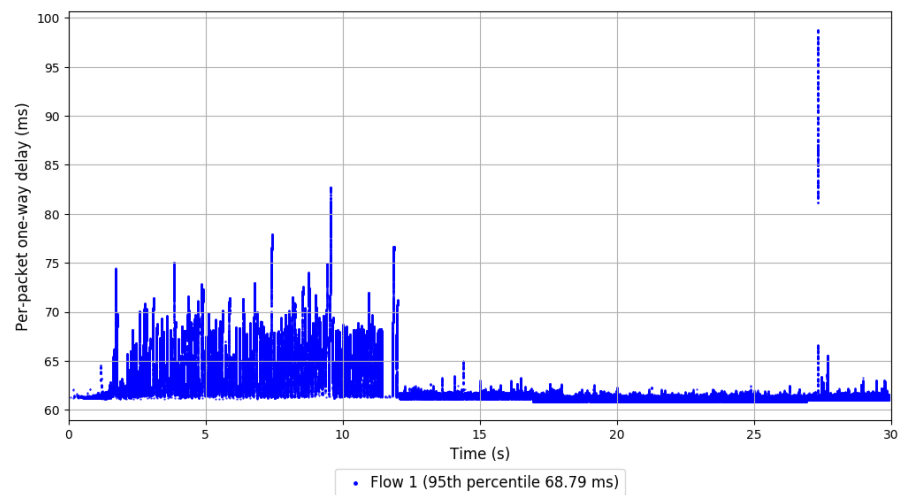
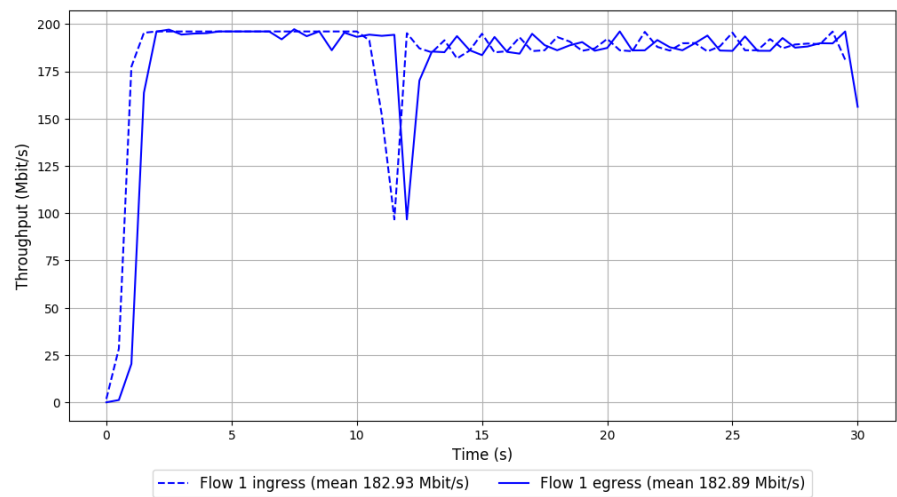


Run 5: Statistics of TCP BBR

Start at: 2018-08-02 16:10:02
End at: 2018-08-02 16:10:32
Local clock offset: -0.039 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-02 18:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.89 Mbit/s
95th percentile per-packet one-way delay: 68.790 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 182.89 Mbit/s
95th percentile per-packet one-way delay: 68.790 ms
Loss rate: 0.45%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-02 16:32:35

End at: 2018-08-02 16:33:05

Local clock offset: 0.022 ms

Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-08-02 18:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.28 Mbit/s

95th percentile per-packet one-way delay: 71.404 ms

Loss rate: 0.42%

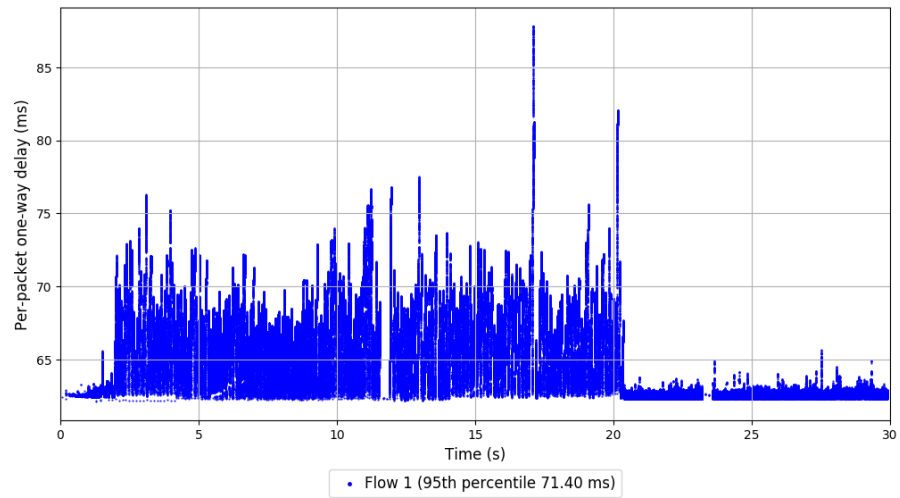
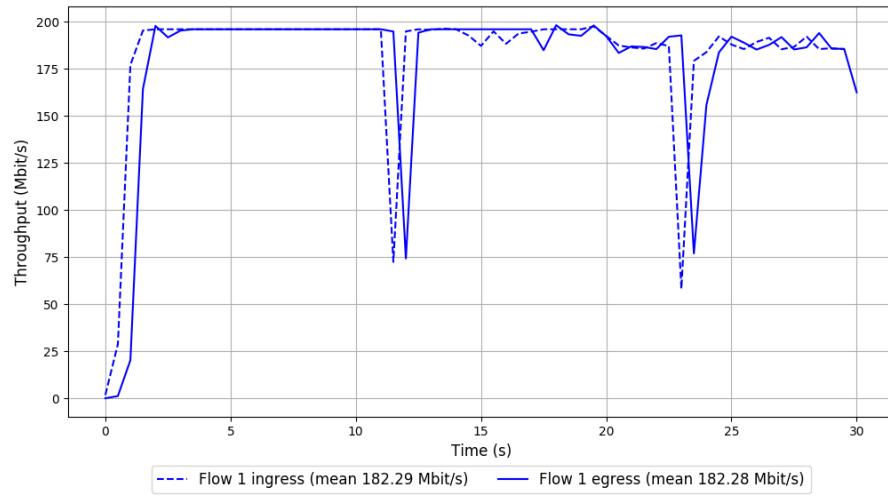
-- Flow 1:

Average throughput: 182.28 Mbit/s

95th percentile per-packet one-way delay: 71.404 ms

Loss rate: 0.42%

Run 6: Report of TCP BBR — Data Link

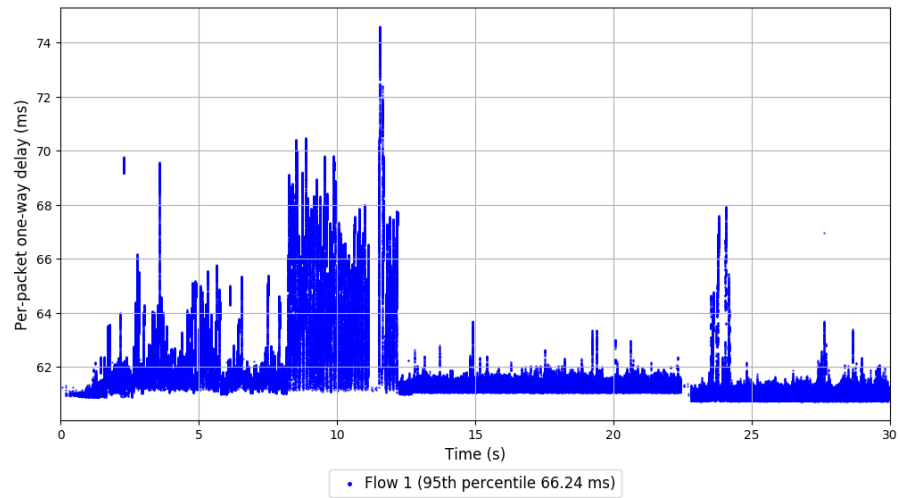
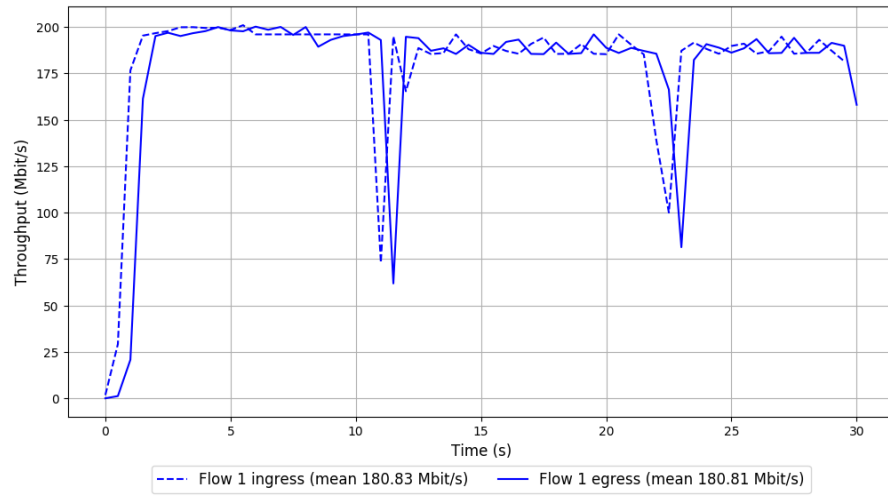


Run 7: Statistics of TCP BBR

Start at: 2018-08-02 16:55:16
End at: 2018-08-02 16:55:46
Local clock offset: -0.101 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-08-02 18:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.81 Mbit/s
95th percentile per-packet one-way delay: 66.242 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 180.81 Mbit/s
95th percentile per-packet one-way delay: 66.242 ms
Loss rate: 0.42%

Run 7: Report of TCP BBR — Data Link

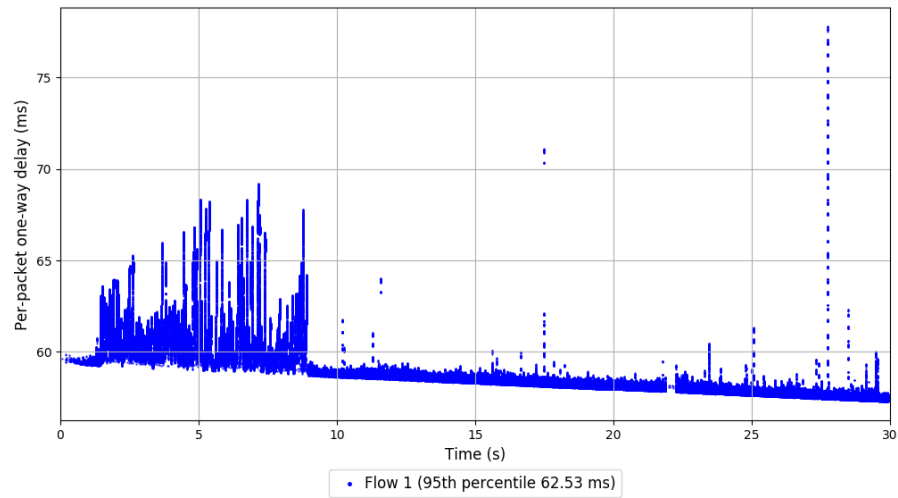
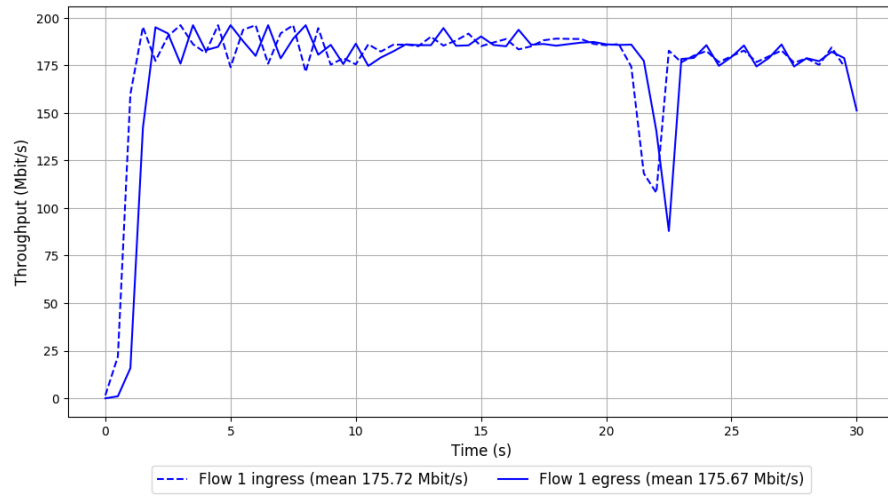


Run 8: Statistics of TCP BBR

Start at: 2018-08-02 17:17:39
End at: 2018-08-02 17:18:09
Local clock offset: 51.327 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-02 18:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.67 Mbit/s
95th percentile per-packet one-way delay: 62.531 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 175.67 Mbit/s
95th percentile per-packet one-way delay: 62.531 ms
Loss rate: 0.43%

Run 8: Report of TCP BBR — Data Link

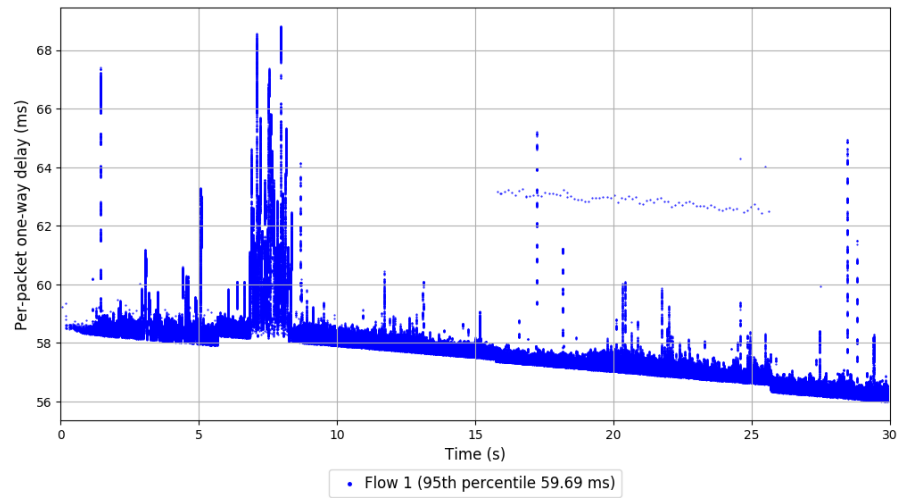
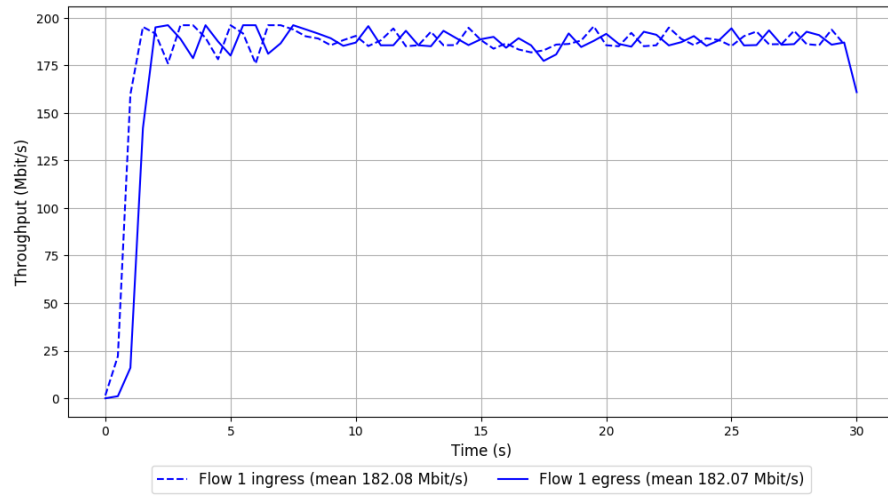


Run 9: Statistics of TCP BBR

Start at: 2018-08-02 17:40:33
End at: 2018-08-02 17:41:03
Local clock offset: 156.257 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-08-02 18:25:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.07 Mbit/s
95th percentile per-packet one-way delay: 59.691 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 182.07 Mbit/s
95th percentile per-packet one-way delay: 59.691 ms
Loss rate: 0.45%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-02 18:03:27

End at: 2018-08-02 18:03:57

Local clock offset: 0.782 ms

Remote clock offset: -1.4 ms

Below is generated by plot.py at 2018-08-02 18:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.56 Mbit/s

95th percentile per-packet one-way delay: 63.014 ms

Loss rate: 0.33%

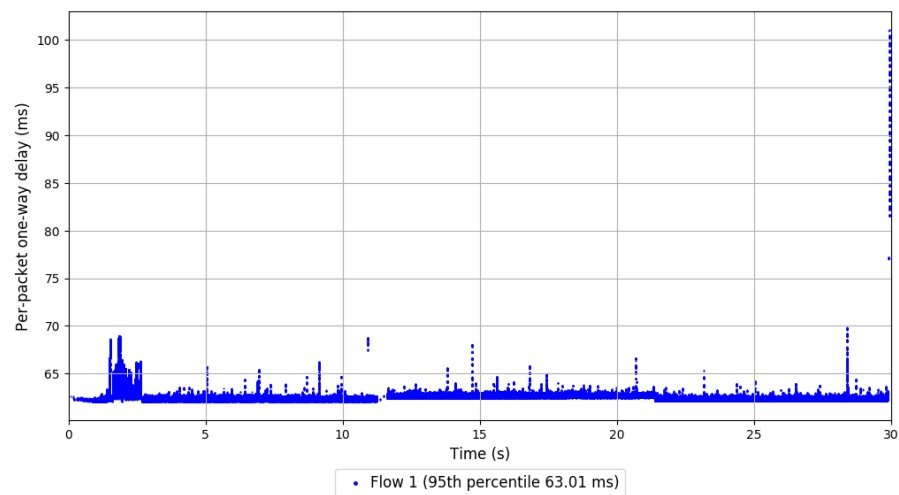
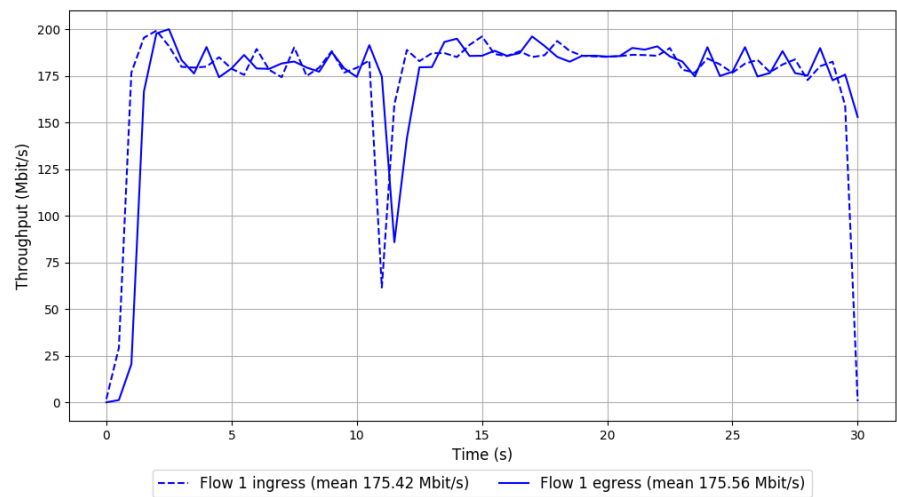
-- Flow 1:

Average throughput: 175.56 Mbit/s

95th percentile per-packet one-way delay: 63.014 ms

Loss rate: 0.33%

Run 10: Report of TCP BBR — Data Link

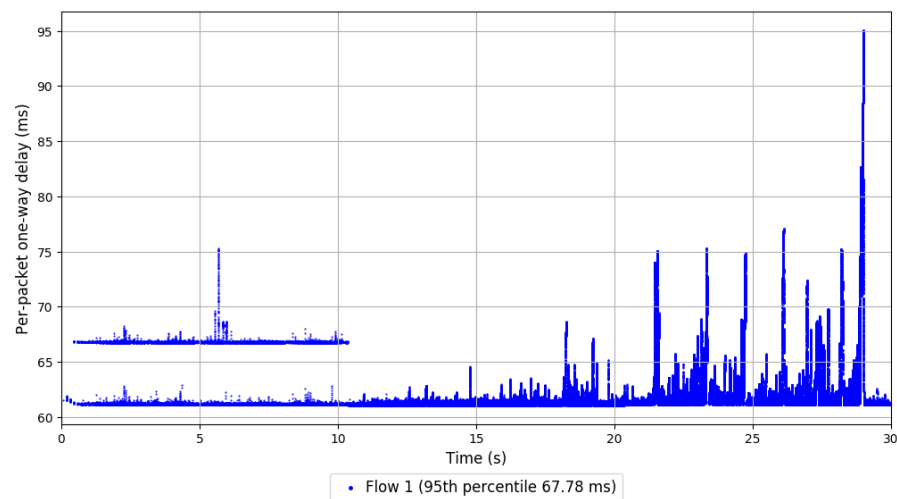
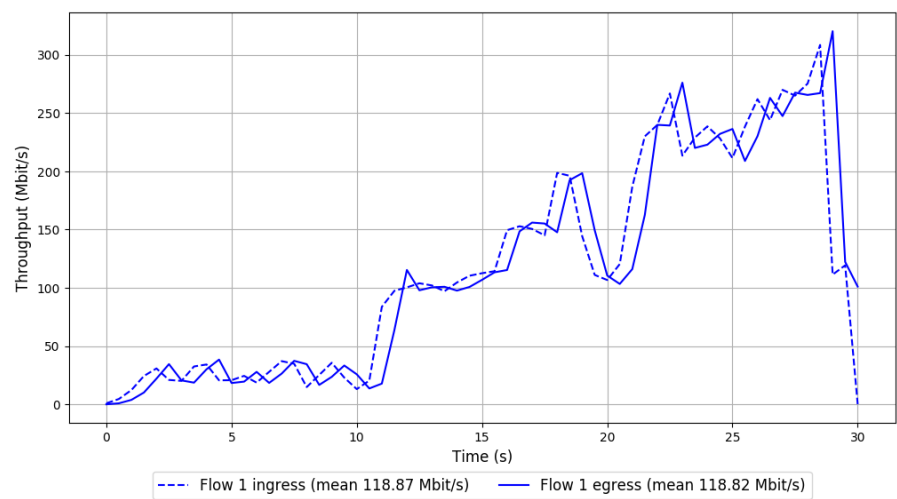


Run 1: Statistics of Copa

Start at: 2018-08-02 14:41:38
End at: 2018-08-02 14:42:08
Local clock offset: -0.088 ms
Remote clock offset: -0.563 ms

Below is generated by plot.py at 2018-08-02 18:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.82 Mbit/s
95th percentile per-packet one-way delay: 67.783 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 118.82 Mbit/s
95th percentile per-packet one-way delay: 67.783 ms
Loss rate: 0.45%

Run 1: Report of Copa — Data Link

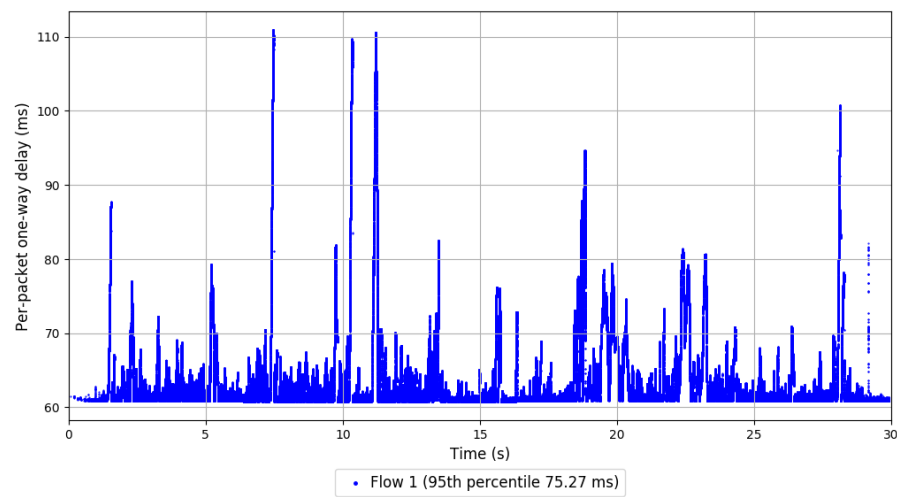
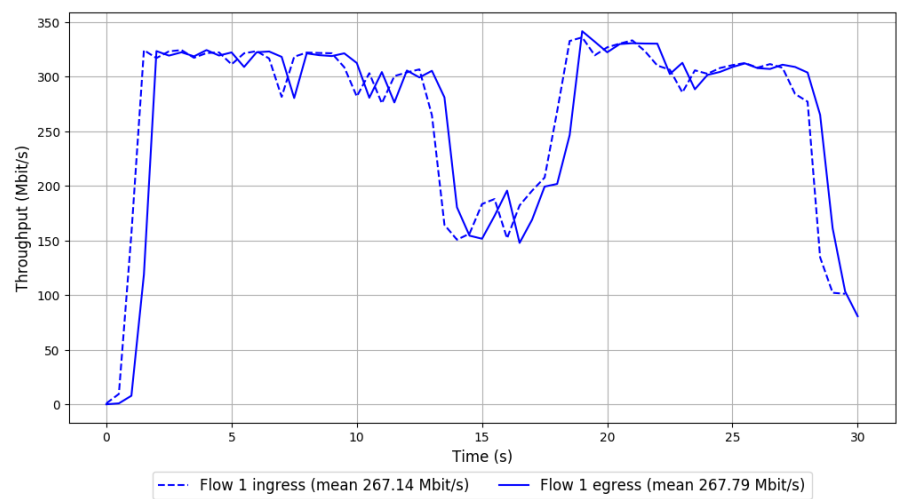


Run 2: Statistics of Copa

Start at: 2018-08-02 15:03:32
End at: 2018-08-02 15:04:02
Local clock offset: 0.005 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-08-02 18:30:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.79 Mbit/s
95th percentile per-packet one-way delay: 75.271 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 267.79 Mbit/s
95th percentile per-packet one-way delay: 75.271 ms
Loss rate: 0.16%

Run 2: Report of Copa — Data Link

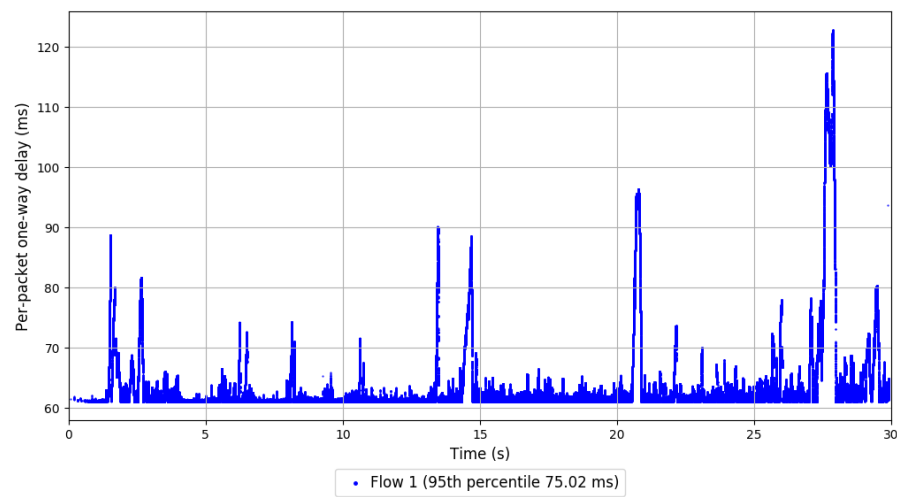
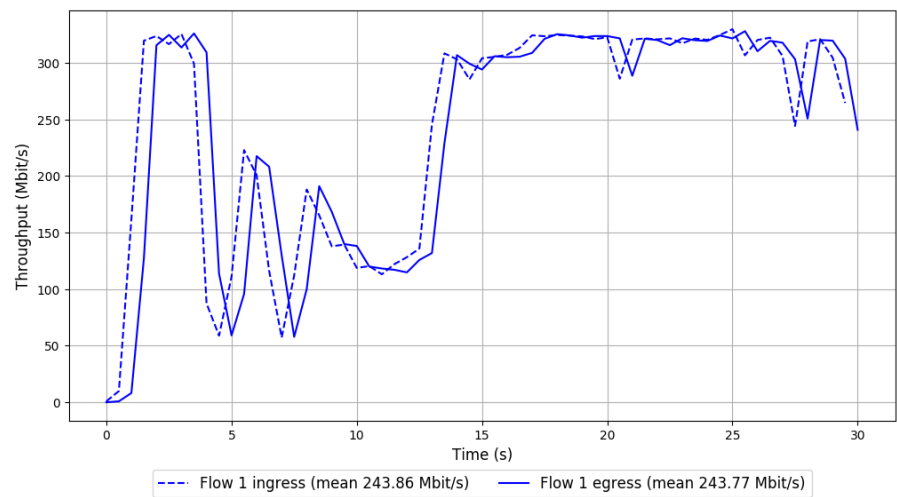


Run 3: Statistics of Copa

Start at: 2018-08-02 15:25:56
End at: 2018-08-02 15:26:26
Local clock offset: 0.062 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-08-02 18:30:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.77 Mbit/s
95th percentile per-packet one-way delay: 75.018 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 243.77 Mbit/s
95th percentile per-packet one-way delay: 75.018 ms
Loss rate: 0.44%

Run 3: Report of Copa — Data Link

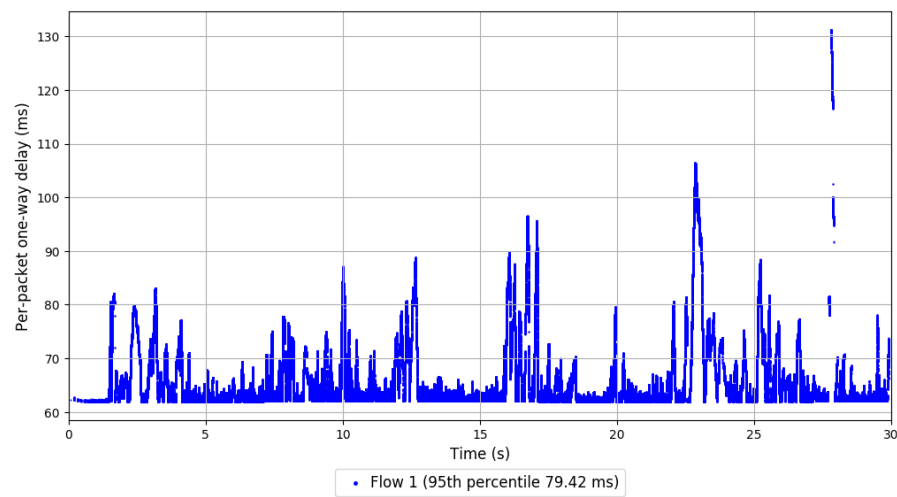
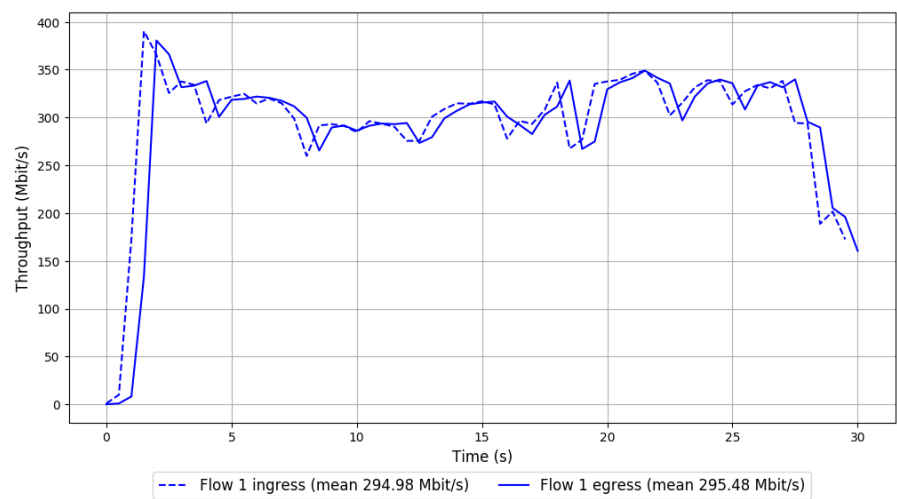


Run 4: Statistics of Copa

Start at: 2018-08-02 15:48:32
End at: 2018-08-02 15:49:02
Local clock offset: -0.039 ms
Remote clock offset: -1.347 ms

Below is generated by plot.py at 2018-08-02 18:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.48 Mbit/s
95th percentile per-packet one-way delay: 79.416 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 295.48 Mbit/s
95th percentile per-packet one-way delay: 79.416 ms
Loss rate: 0.24%

Run 4: Report of Copa — Data Link

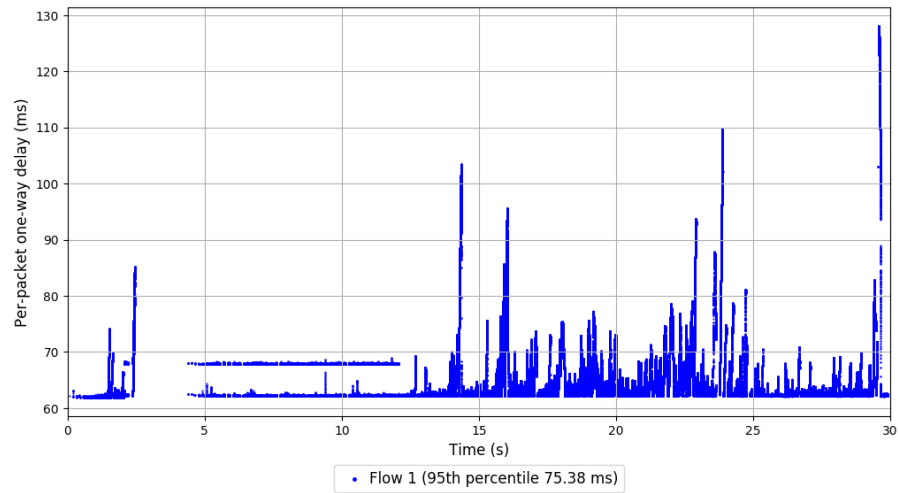
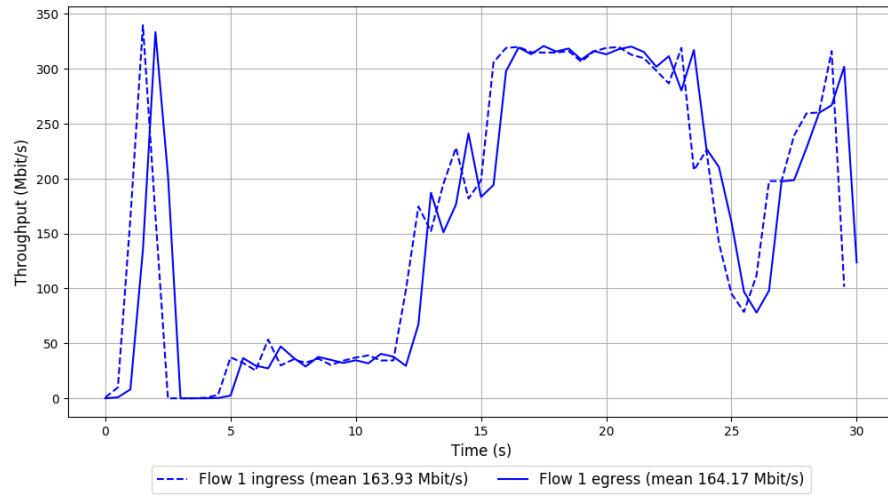


Run 5: Statistics of Copa

Start at: 2018-08-02 16:11:17
End at: 2018-08-02 16:11:47
Local clock offset: -0.059 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-08-02 18:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.17 Mbit/s
95th percentile per-packet one-way delay: 75.379 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 164.17 Mbit/s
95th percentile per-packet one-way delay: 75.379 ms
Loss rate: 0.26%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-02 16:33:49

End at: 2018-08-02 16:34:19

Local clock offset: -0.032 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-02 18:31:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.76 Mbit/s

95th percentile per-packet one-way delay: 84.143 ms

Loss rate: 0.61%

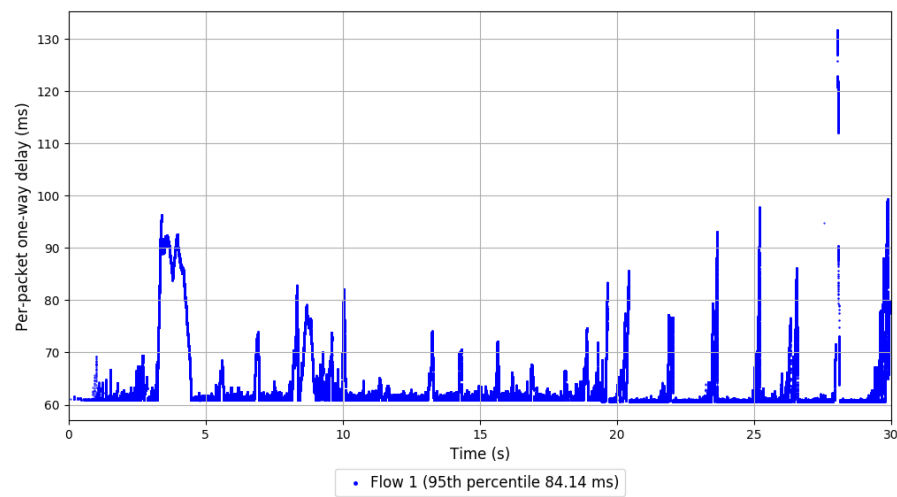
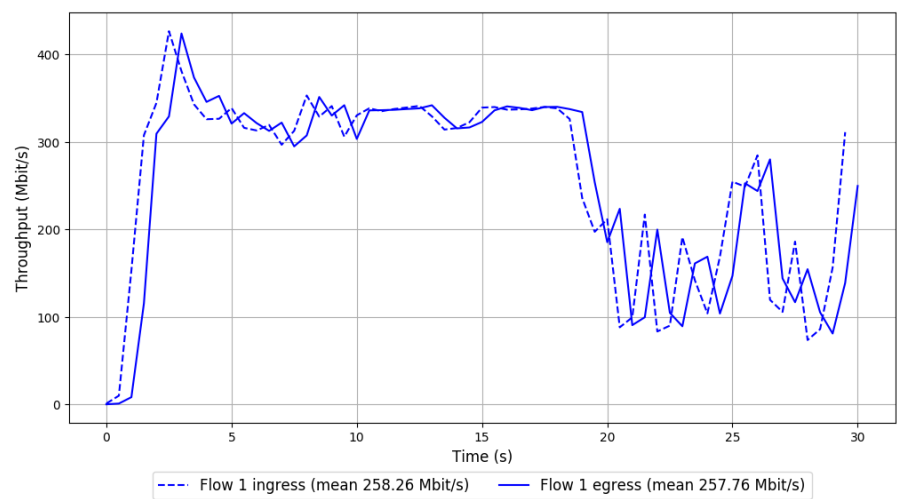
-- Flow 1:

Average throughput: 257.76 Mbit/s

95th percentile per-packet one-way delay: 84.143 ms

Loss rate: 0.61%

Run 6: Report of Copa — Data Link

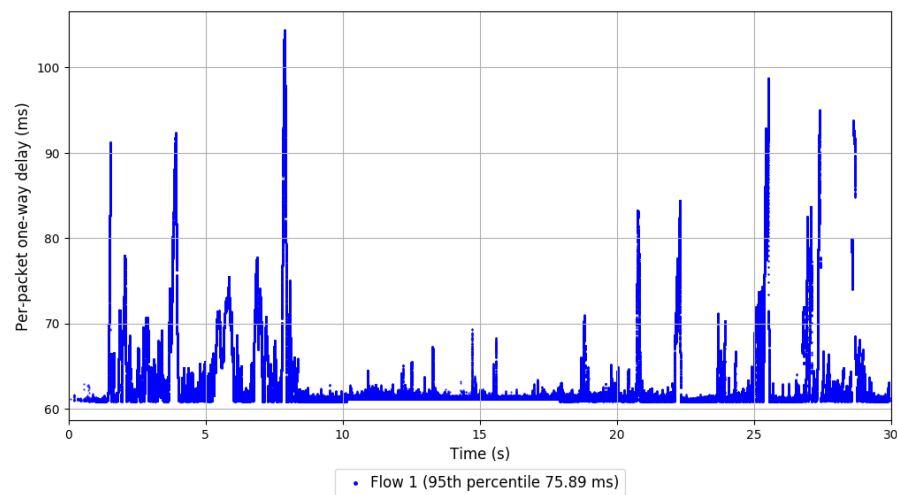
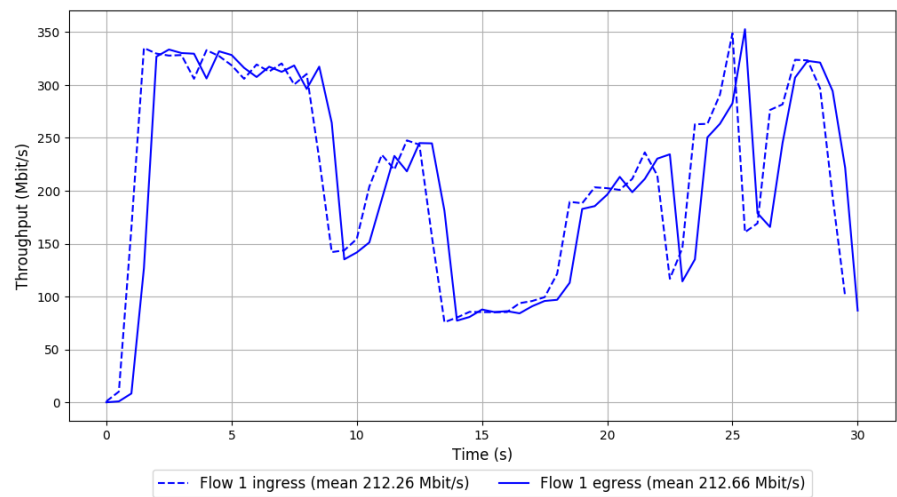


Run 7: Statistics of Copa

Start at: 2018-08-02 16:56:31
End at: 2018-08-02 16:57:01
Local clock offset: -0.109 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-08-02 18:32:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.66 Mbit/s
95th percentile per-packet one-way delay: 75.893 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 212.66 Mbit/s
95th percentile per-packet one-way delay: 75.893 ms
Loss rate: 0.22%

Run 7: Report of Copa — Data Link

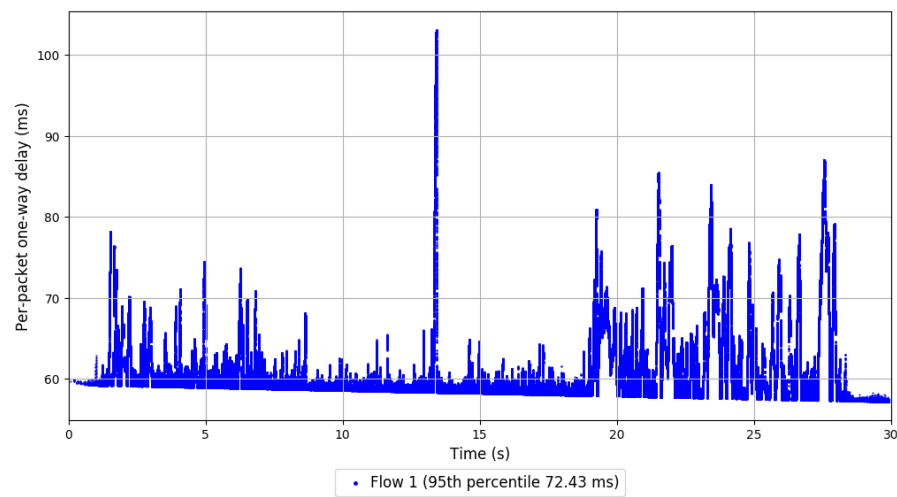
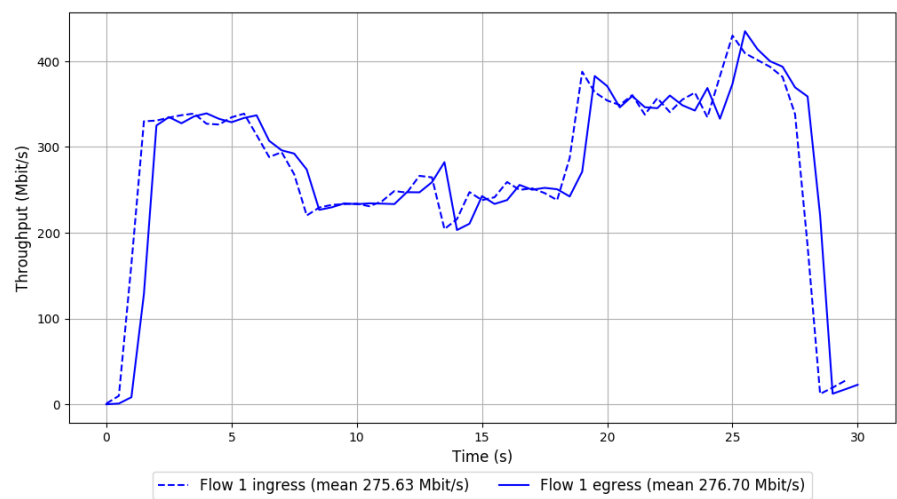


Run 8: Statistics of Copa

Start at: 2018-08-02 17:18:53
End at: 2018-08-02 17:19:23
Local clock offset: 56.467 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-02 18:34:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.70 Mbit/s
95th percentile per-packet one-way delay: 72.426 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 276.70 Mbit/s
95th percentile per-packet one-way delay: 72.426 ms
Loss rate: 0.05%

Run 8: Report of Copa — Data Link

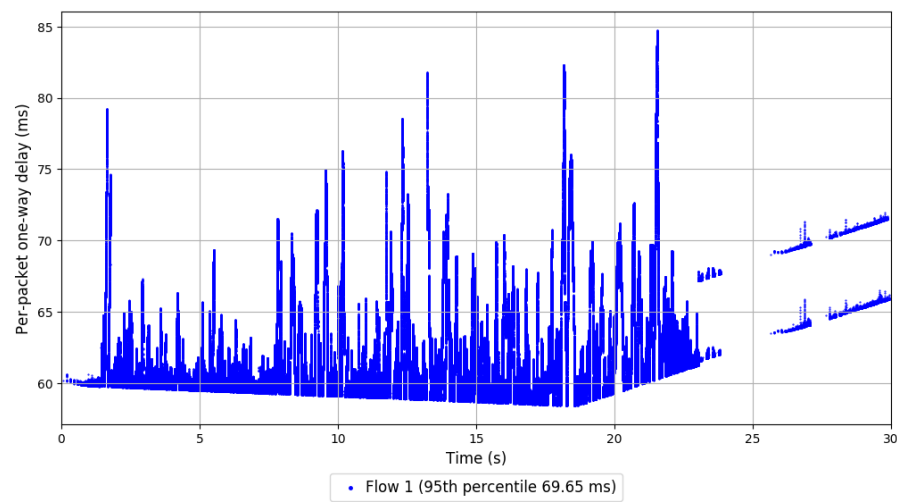
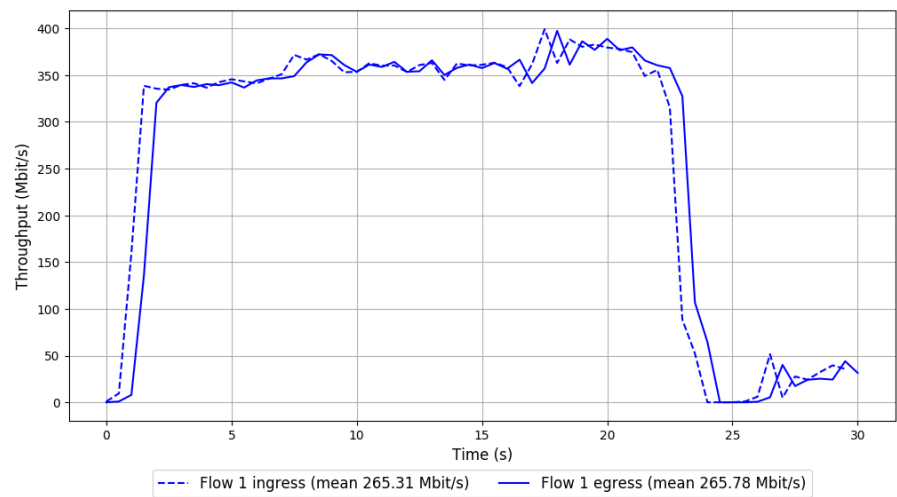


Run 9: Statistics of Copa

Start at: 2018-08-02 17:41:48
End at: 2018-08-02 17:42:18
Local clock offset: 162.654 ms
Remote clock offset: -1.31 ms

Below is generated by plot.py at 2018-08-02 18:35:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.78 Mbit/s
95th percentile per-packet one-way delay: 69.648 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 265.78 Mbit/s
95th percentile per-packet one-way delay: 69.648 ms
Loss rate: 0.07%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-02 18:04:42

End at: 2018-08-02 18:05:12

Local clock offset: 0.526 ms

Remote clock offset: -1.117 ms

Below is generated by plot.py at 2018-08-02 18:37:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.07 Mbit/s

95th percentile per-packet one-way delay: 76.054 ms

Loss rate: 0.30%

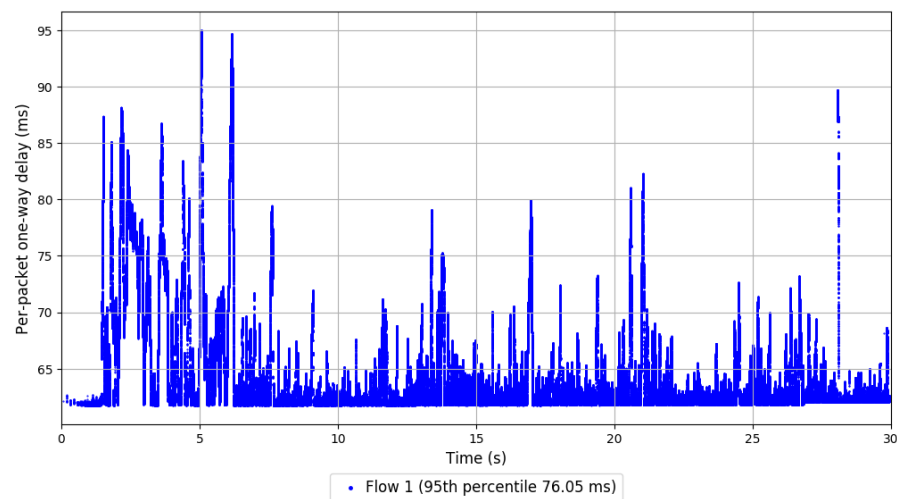
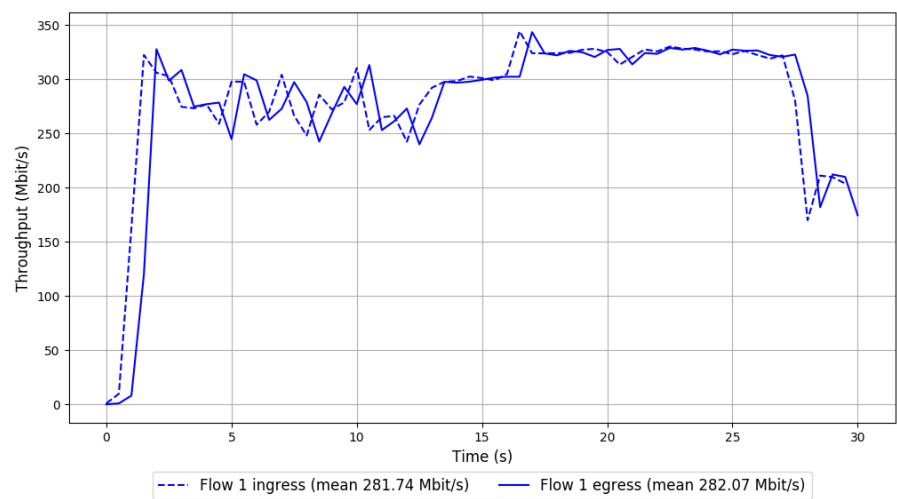
-- Flow 1:

Average throughput: 282.07 Mbit/s

95th percentile per-packet one-way delay: 76.054 ms

Loss rate: 0.30%

Run 10: Report of Copa — Data Link

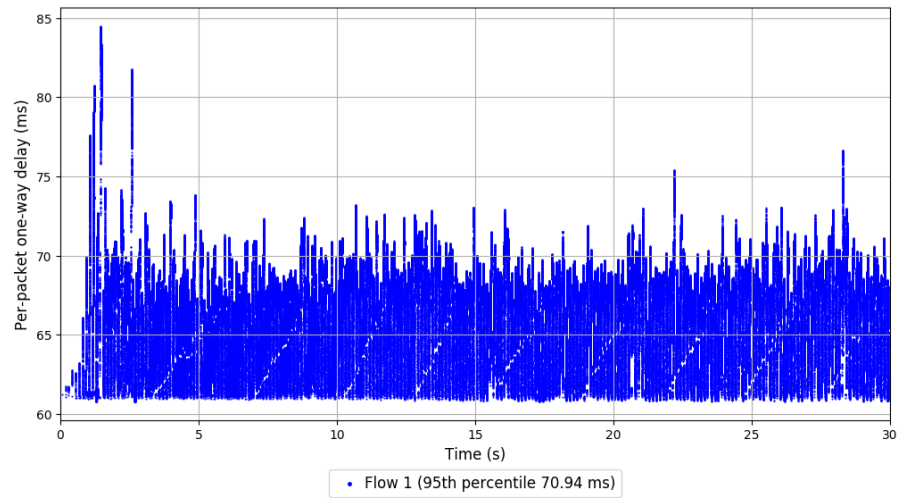
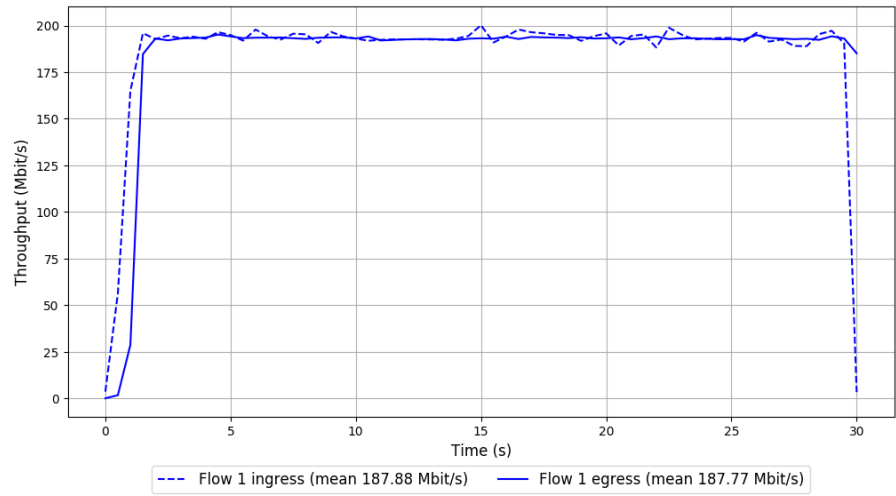


Run 1: Statistics of TCP Cubic

Start at: 2018-08-02 14:37:43
End at: 2018-08-02 14:38:13
Local clock offset: -0.09 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.77 Mbit/s
95th percentile per-packet one-way delay: 70.939 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 187.77 Mbit/s
95th percentile per-packet one-way delay: 70.939 ms
Loss rate: 0.47%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-02 14:59:43

End at: 2018-08-02 15:00:13

Local clock offset: -0.035 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-08-02 18:37:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.26 Mbit/s

95th percentile per-packet one-way delay: 71.908 ms

Loss rate: 0.43%

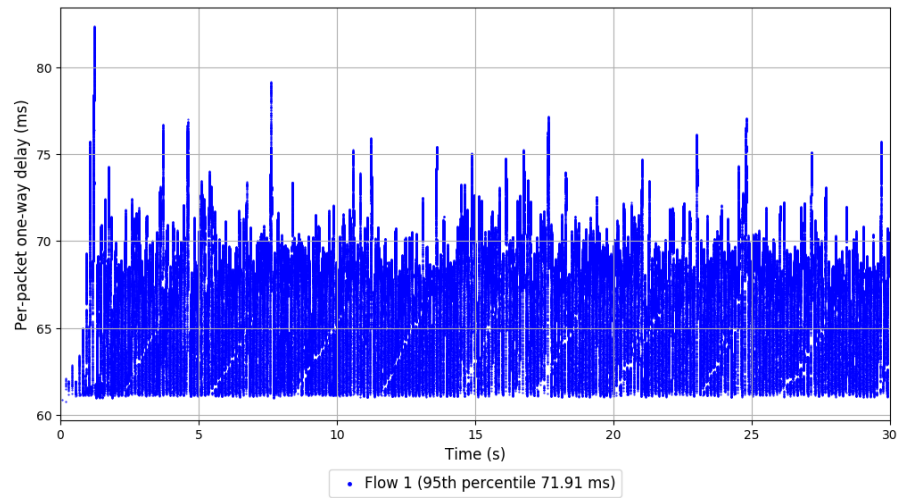
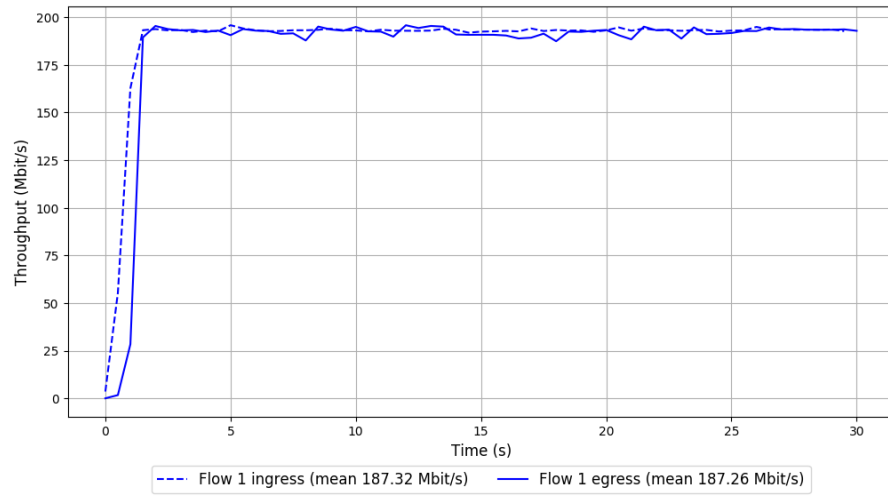
-- Flow 1:

Average throughput: 187.26 Mbit/s

95th percentile per-packet one-way delay: 71.908 ms

Loss rate: 0.43%

Run 2: Report of TCP Cubic — Data Link

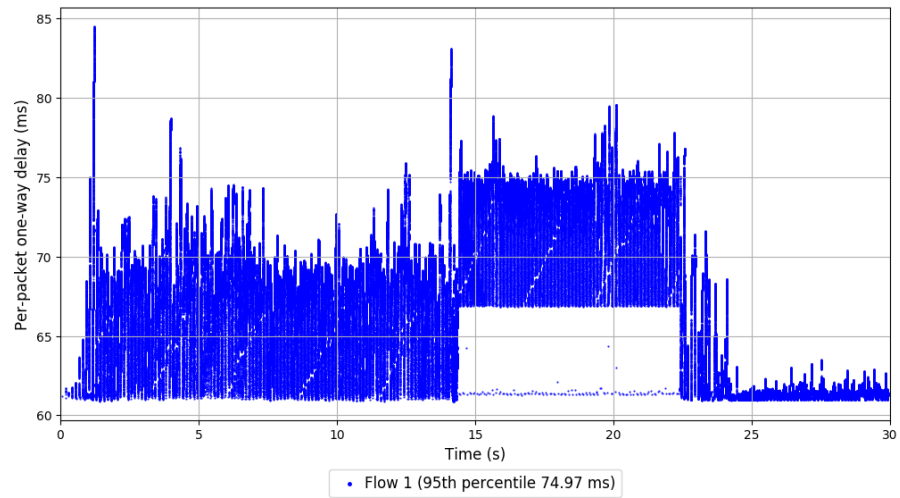
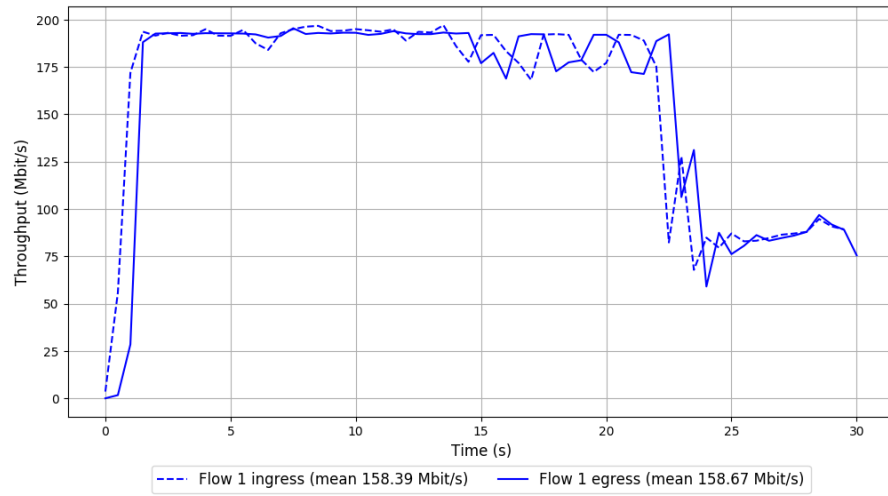


Run 3: Statistics of TCP Cubic

Start at: 2018-08-02 15:22:06
End at: 2018-08-02 15:22:36
Local clock offset: 0.045 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.67 Mbit/s
95th percentile per-packet one-way delay: 74.971 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 158.67 Mbit/s
95th percentile per-packet one-way delay: 74.971 ms
Loss rate: 0.24%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-02 15:44:42

End at: 2018-08-02 15:45:12

Local clock offset: -0.059 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2018-08-02 18:37:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.46 Mbit/s

95th percentile per-packet one-way delay: 70.352 ms

Loss rate: 0.43%

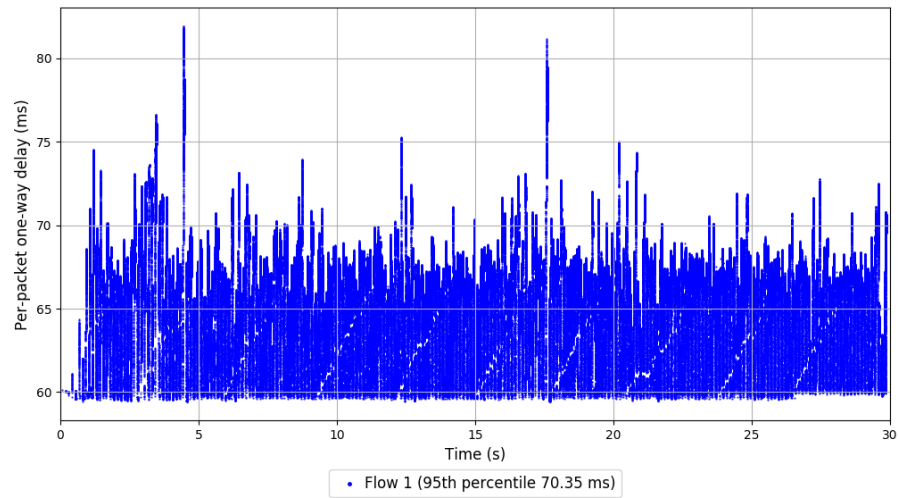
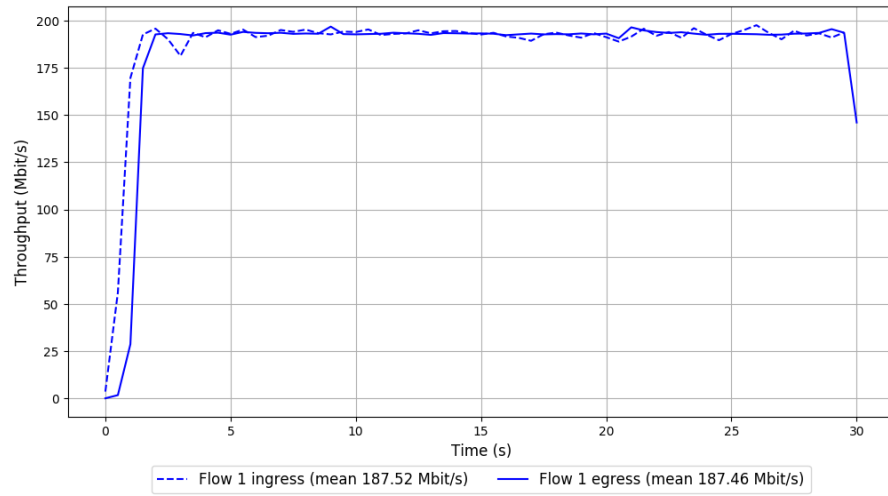
-- Flow 1:

Average throughput: 187.46 Mbit/s

95th percentile per-packet one-way delay: 70.352 ms

Loss rate: 0.43%

Run 4: Report of TCP Cubic — Data Link

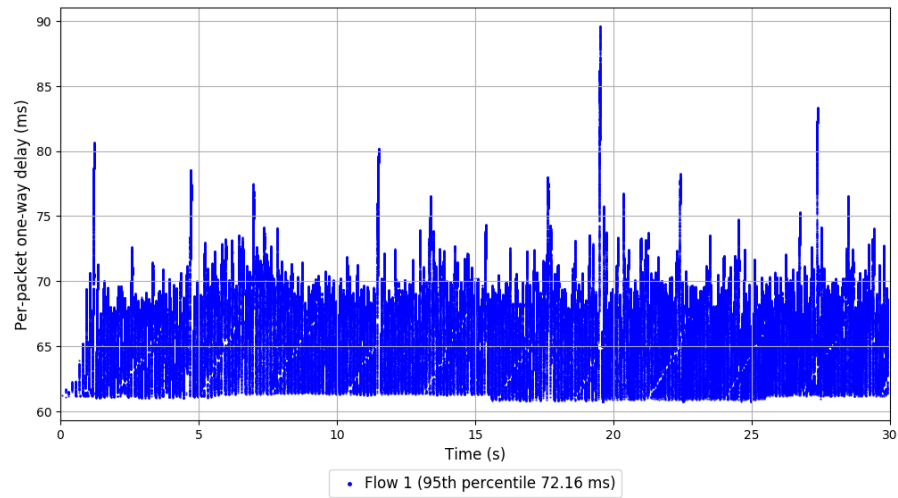
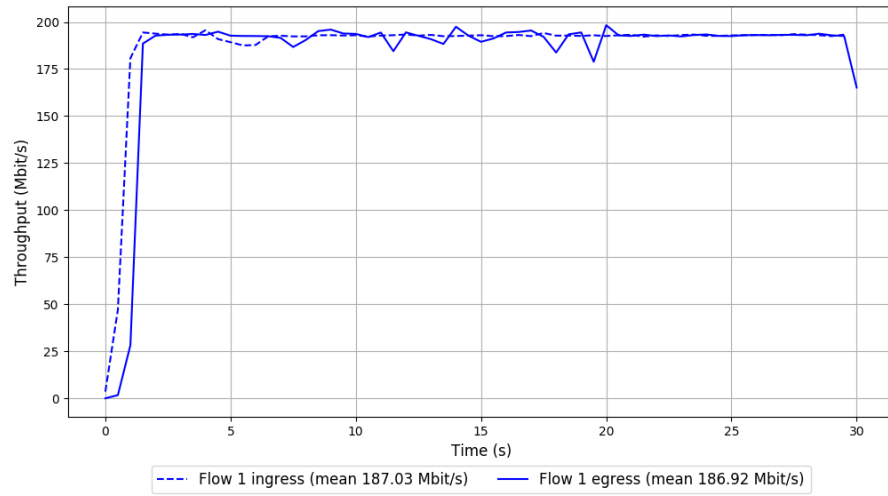


Run 5: Statistics of TCP Cubic

Start at: 2018-08-02 16:07:23
End at: 2018-08-02 16:07:53
Local clock offset: -0.033 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.92 Mbit/s
95th percentile per-packet one-way delay: 72.164 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 186.92 Mbit/s
95th percentile per-packet one-way delay: 72.164 ms
Loss rate: 0.47%

Run 5: Report of TCP Cubic — Data Link

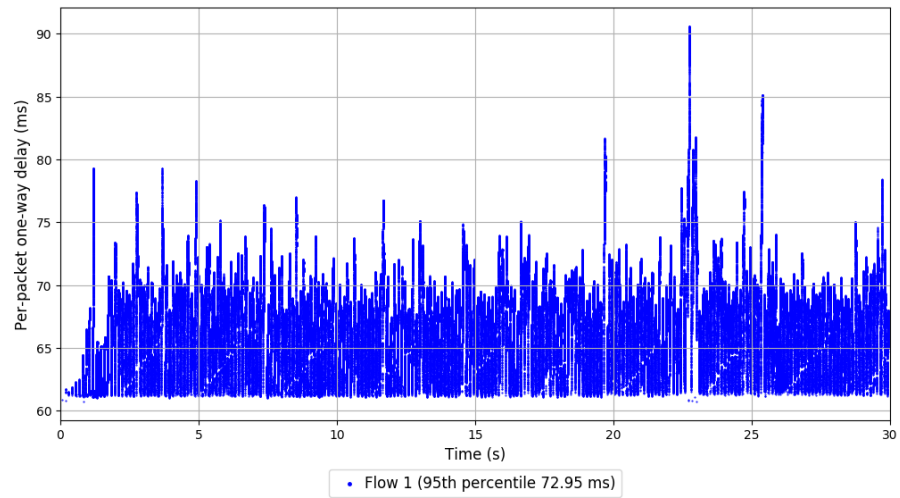
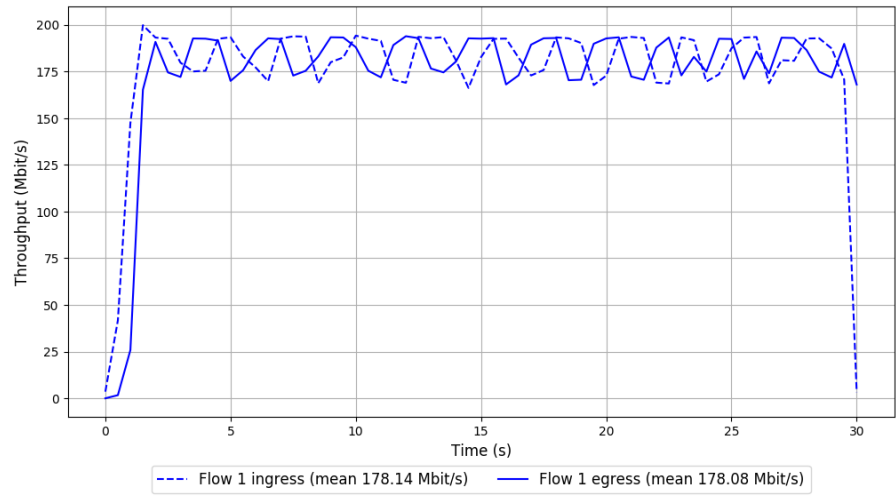


Run 6: Statistics of TCP Cubic

Start at: 2018-08-02 16:29:59
End at: 2018-08-02 16:30:29
Local clock offset: -0.025 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.08 Mbit/s
95th percentile per-packet one-way delay: 72.947 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 178.08 Mbit/s
95th percentile per-packet one-way delay: 72.947 ms
Loss rate: 0.46%

Run 6: Report of TCP Cubic — Data Link

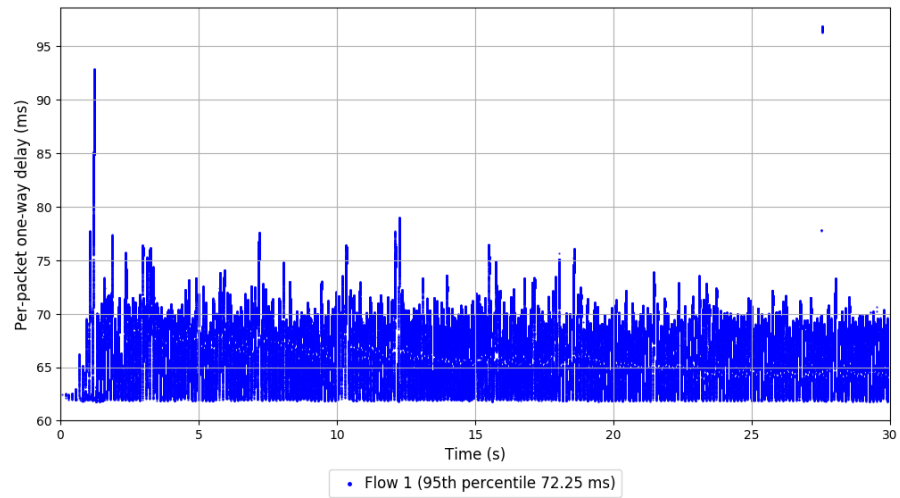
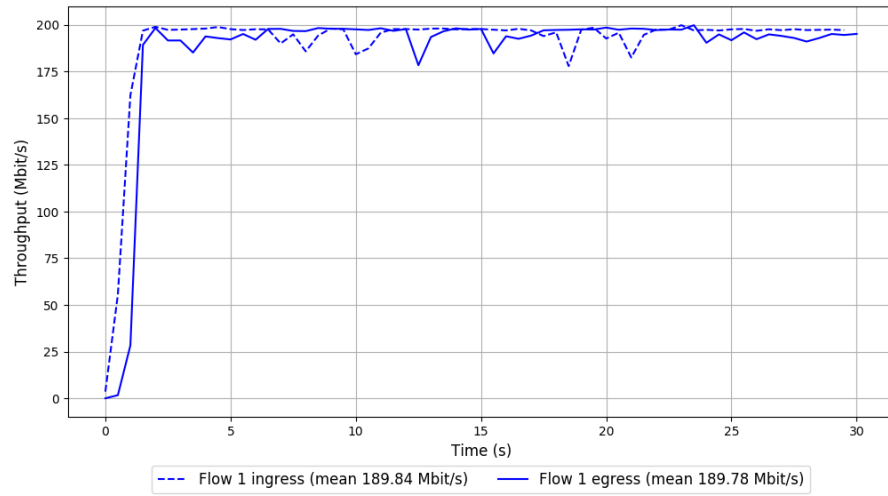


Run 7: Statistics of TCP Cubic

Start at: 2018-08-02 16:52:39
End at: 2018-08-02 16:53:09
Local clock offset: -0.058 ms
Remote clock offset: -1.194 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.78 Mbit/s
95th percentile per-packet one-way delay: 72.251 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 189.78 Mbit/s
95th percentile per-packet one-way delay: 72.251 ms
Loss rate: 0.43%

Run 7: Report of TCP Cubic — Data Link

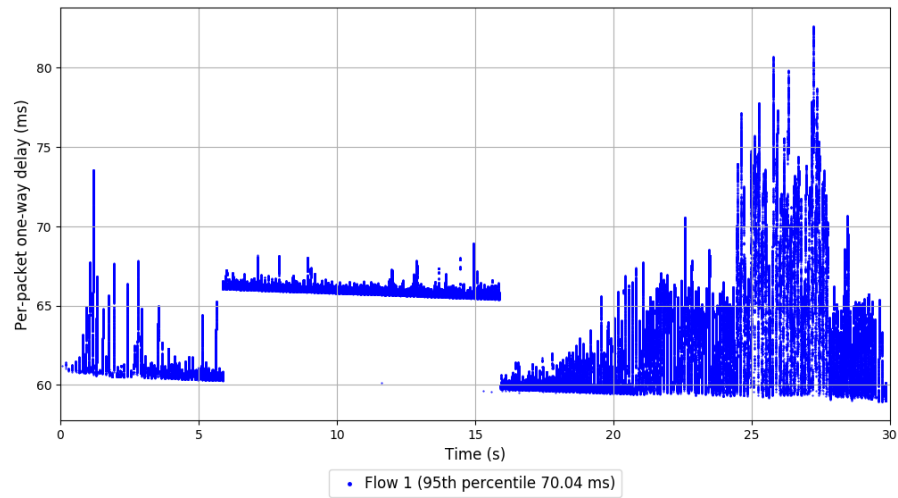
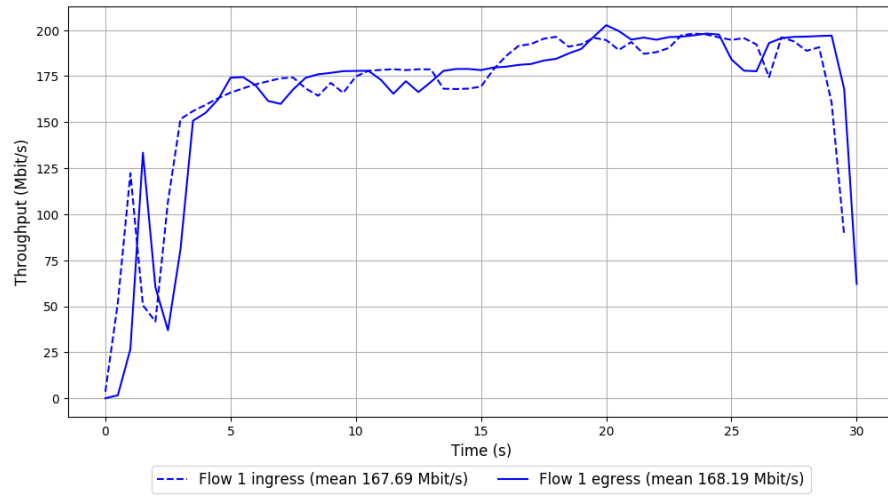


Run 8: Statistics of TCP Cubic

Start at: 2018-08-02 17:15:03
End at: 2018-08-02 17:15:33
Local clock offset: 40.957 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.19 Mbit/s
95th percentile per-packet one-way delay: 70.042 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 168.19 Mbit/s
95th percentile per-packet one-way delay: 70.042 ms
Loss rate: 0.26%

Run 8: Report of TCP Cubic — Data Link

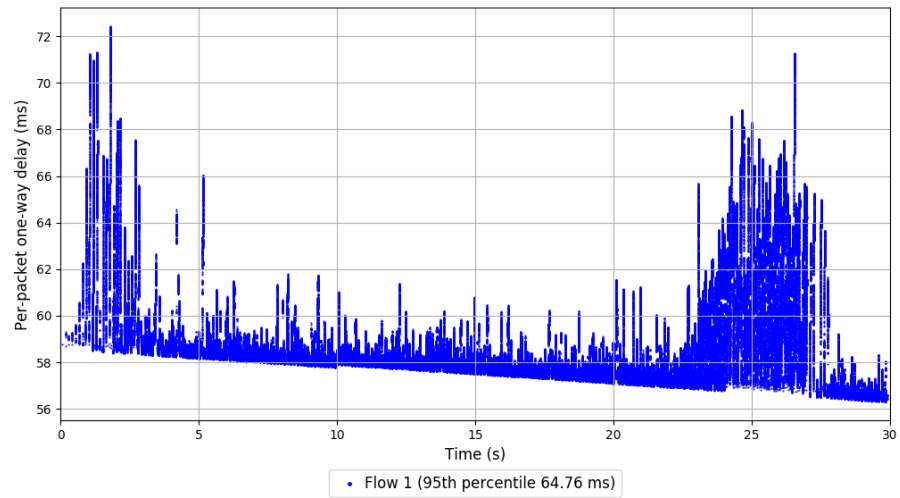
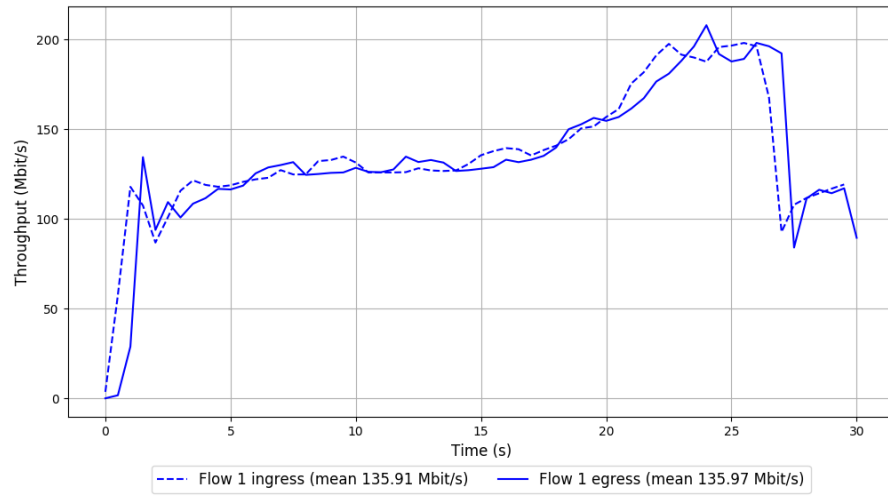


Run 9: Statistics of TCP Cubic

Start at: 2018-08-02 17:37:59
End at: 2018-08-02 17:38:29
Local clock offset: 143.862 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-02 18:37:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.97 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 135.97 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 0.37%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-02 18:00:50

End at: 2018-08-02 18:01:20

Local clock offset: 1.292 ms

Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-08-02 18:37:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.83 Mbit/s

95th percentile per-packet one-way delay: 65.332 ms

Loss rate: 0.61%

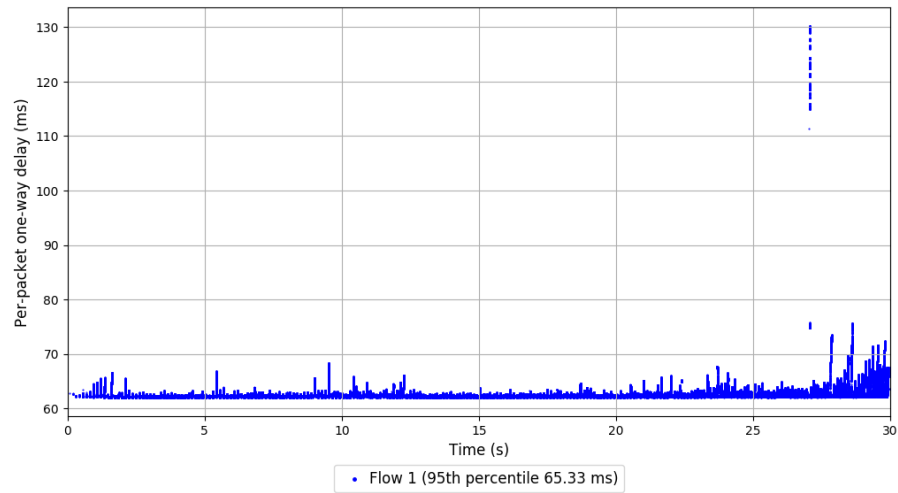
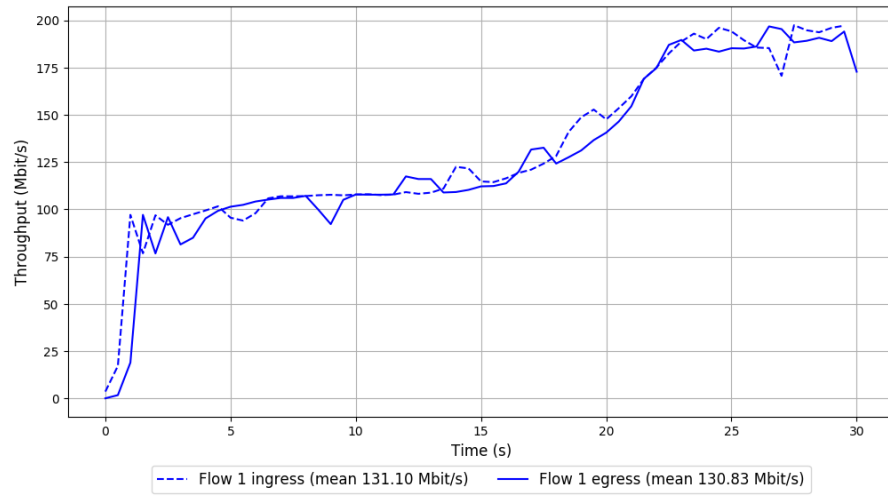
-- Flow 1:

Average throughput: 130.83 Mbit/s

95th percentile per-packet one-way delay: 65.332 ms

Loss rate: 0.61%

Run 10: Report of TCP Cubic — Data Link

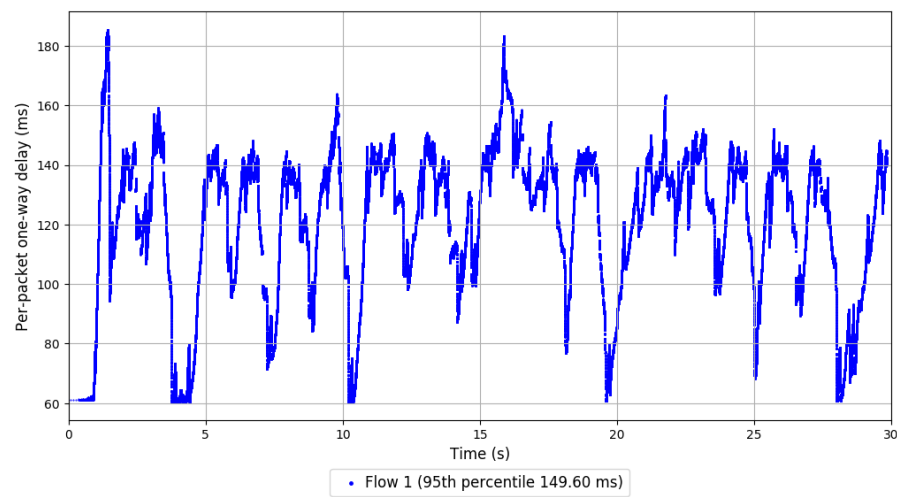
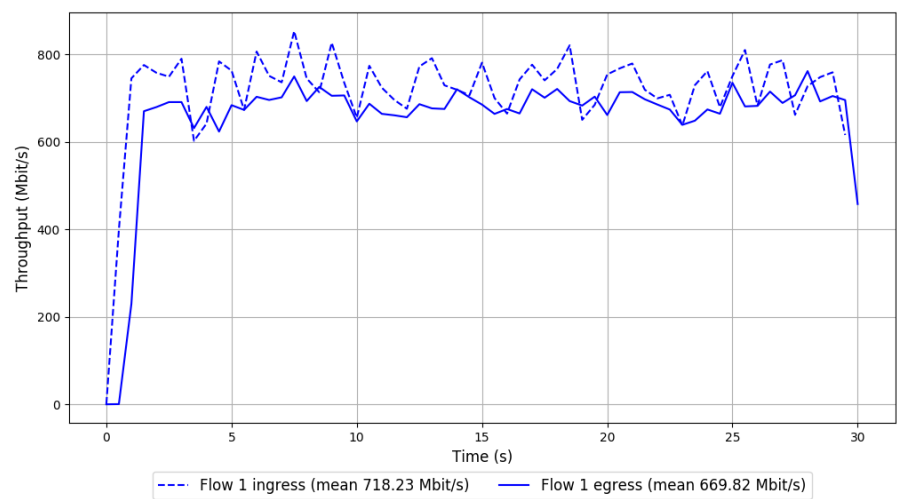


Run 1: Statistics of FillP

Start at: 2018-08-02 14:26:36
End at: 2018-08-02 14:27:06
Local clock offset: -0.105 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-02 18:49:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 669.82 Mbit/s
95th percentile per-packet one-way delay: 149.604 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 669.82 Mbit/s
95th percentile per-packet one-way delay: 149.604 ms
Loss rate: 7.12%

Run 1: Report of FillP — Data Link

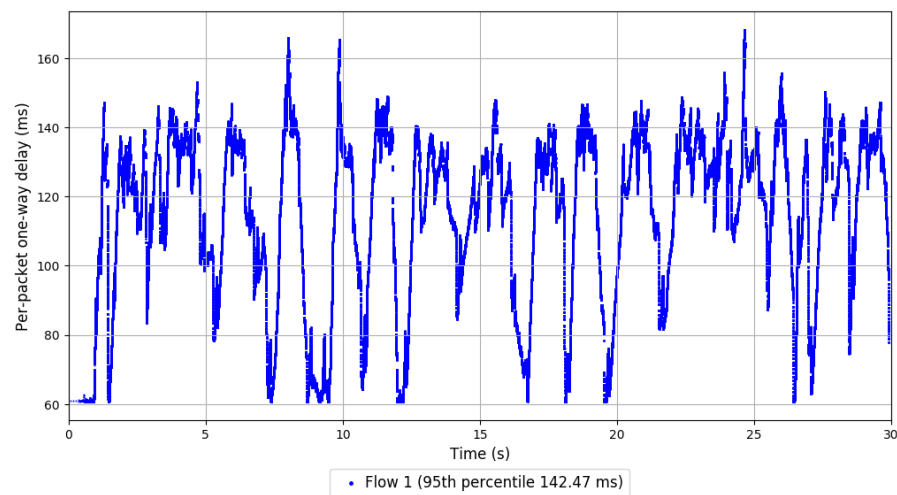
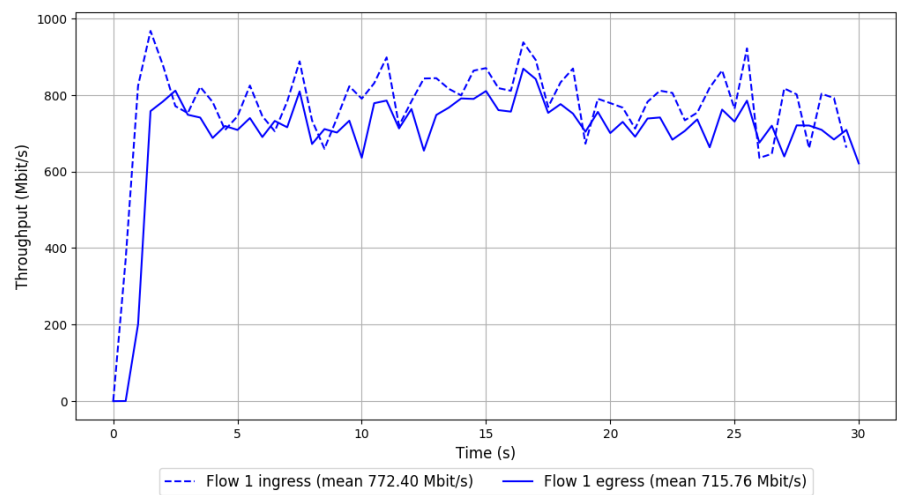


Run 2: Statistics of FillP

Start at: 2018-08-02 14:48:51
End at: 2018-08-02 14:49:21
Local clock offset: -0.069 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-02 18:51:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 715.76 Mbit/s
95th percentile per-packet one-way delay: 142.472 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 715.76 Mbit/s
95th percentile per-packet one-way delay: 142.472 ms
Loss rate: 7.71%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-02 15:10:56

End at: 2018-08-02 15:11:26

Local clock offset: 0.015 ms

Remote clock offset: 0.515 ms

Below is generated by plot.py at 2018-08-02 18:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.52 Mbit/s

95th percentile per-packet one-way delay: 137.650 ms

Loss rate: 5.72%

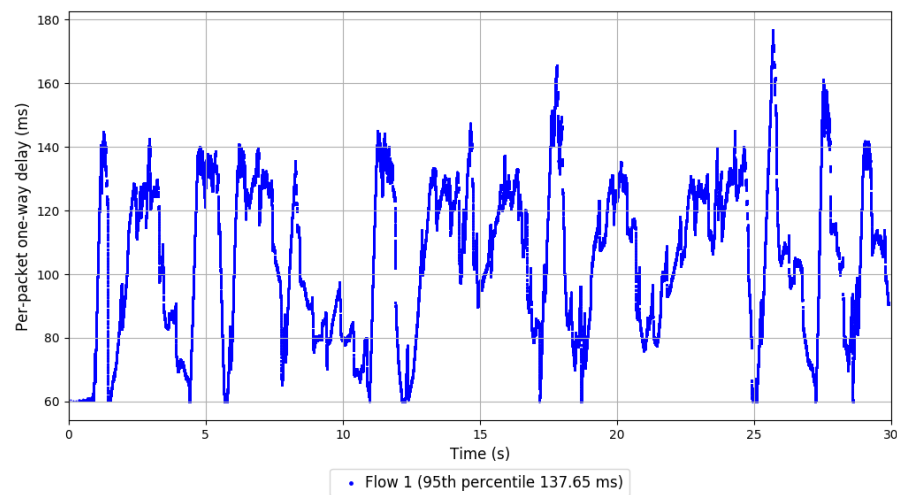
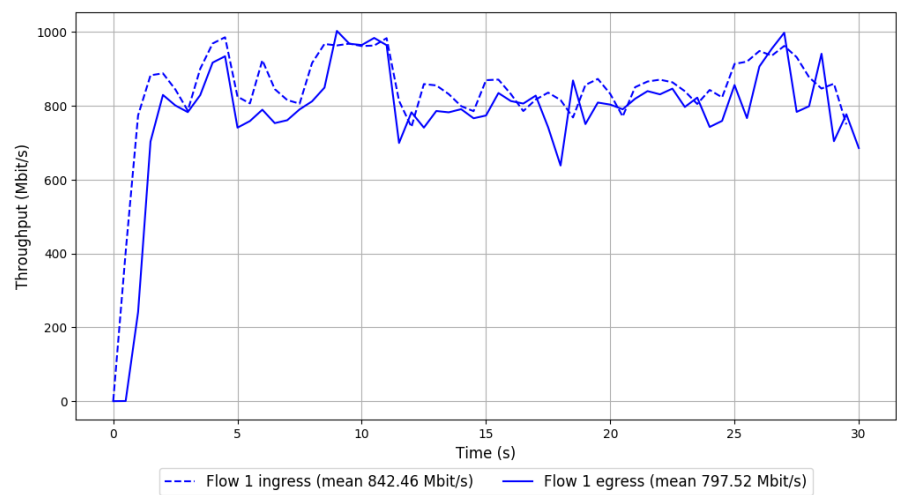
-- Flow 1:

Average throughput: 797.52 Mbit/s

95th percentile per-packet one-way delay: 137.650 ms

Loss rate: 5.72%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-02 15:33:24

End at: 2018-08-02 15:33:54

Local clock offset: -0.02 ms

Remote clock offset: -0.537 ms

Below is generated by plot.py at 2018-08-02 18:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 749.28 Mbit/s

95th percentile per-packet one-way delay: 142.143 ms

Loss rate: 6.42%

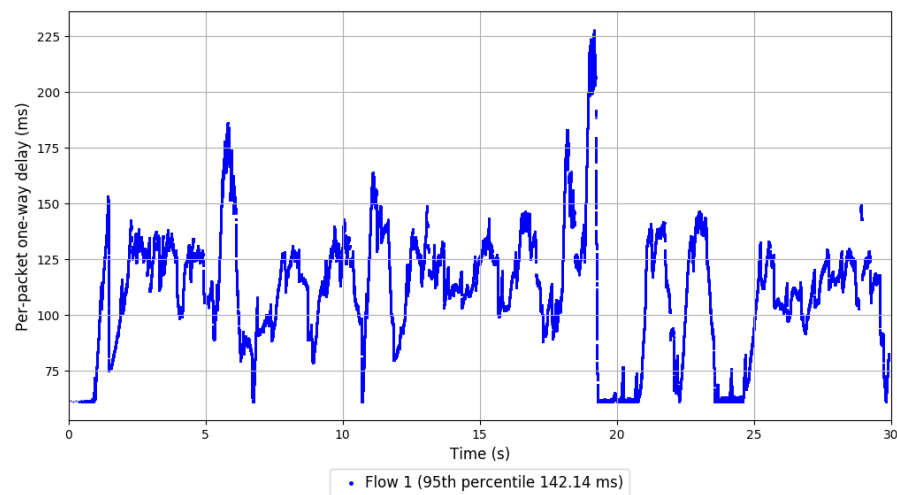
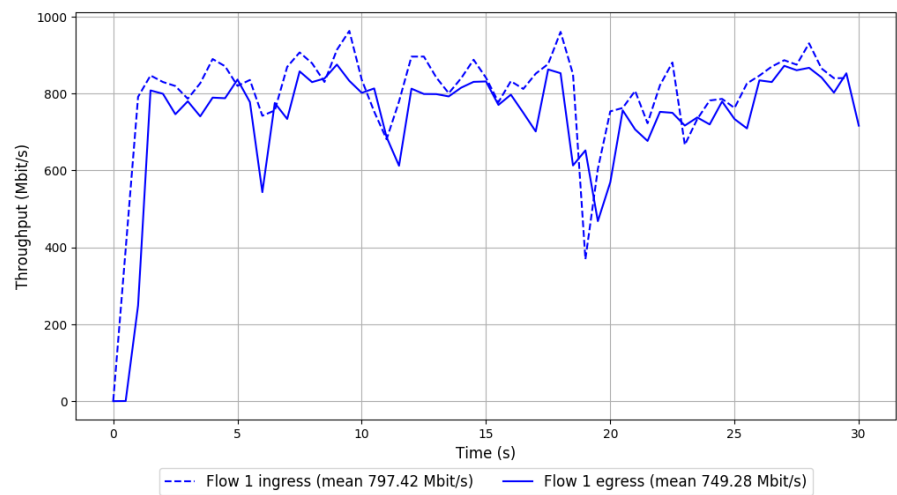
-- Flow 1:

Average throughput: 749.28 Mbit/s

95th percentile per-packet one-way delay: 142.143 ms

Loss rate: 6.42%

Run 4: Report of FillP — Data Link

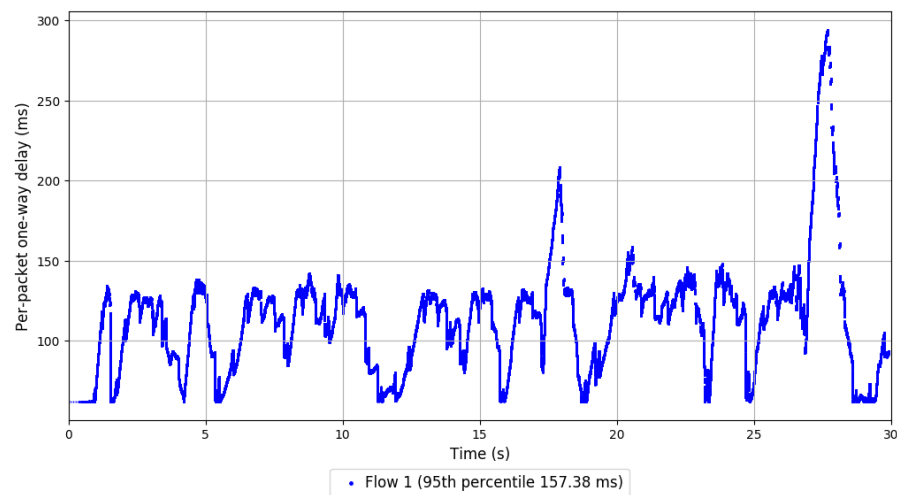
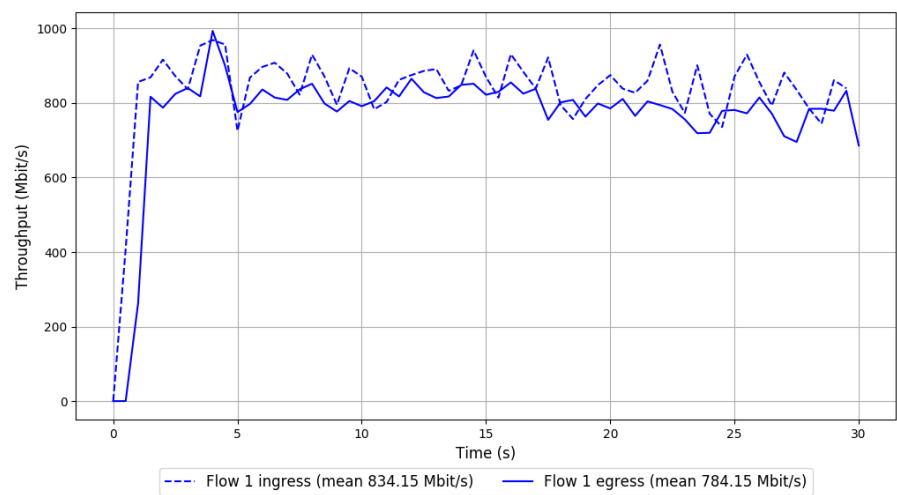


Run 5: Statistics of FillP

Start at: 2018-08-02 15:56:04
End at: 2018-08-02 15:56:34
Local clock offset: -0.012 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-08-02 18:52:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 784.15 Mbit/s
95th percentile per-packet one-way delay: 157.381 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 784.15 Mbit/s
95th percentile per-packet one-way delay: 157.381 ms
Loss rate: 6.40%

Run 5: Report of FillP — Data Link

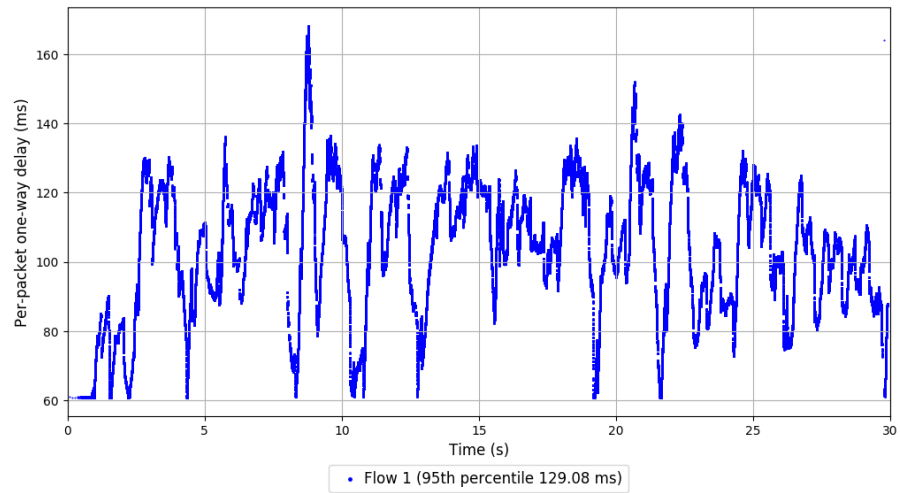
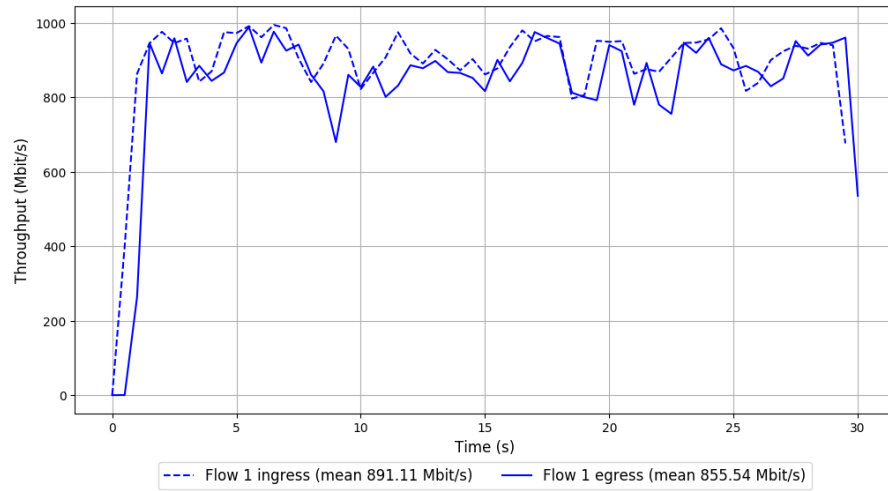


Run 6: Statistics of FillP

Start at: 2018-08-02 16:18:32
End at: 2018-08-02 16:19:02
Local clock offset: -0.031 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-02 18:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 855.54 Mbit/s
95th percentile per-packet one-way delay: 129.083 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 855.54 Mbit/s
95th percentile per-packet one-way delay: 129.083 ms
Loss rate: 4.40%

Run 6: Report of FillP — Data Link

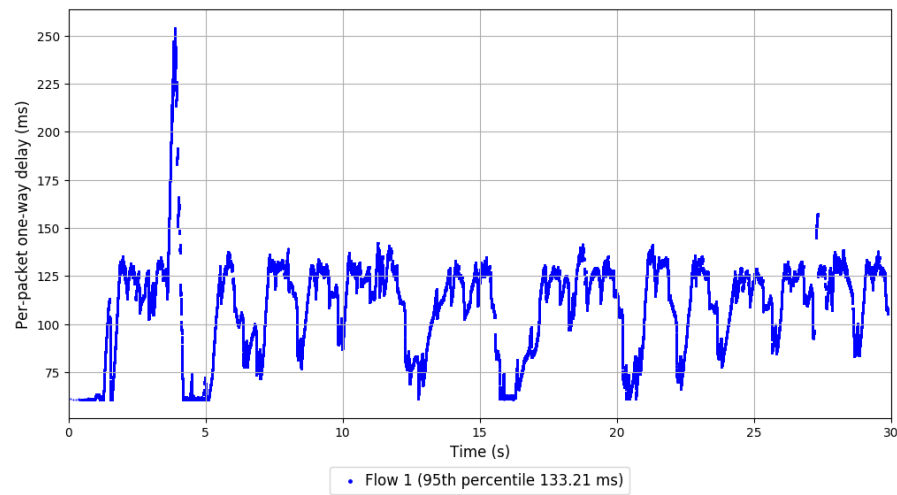
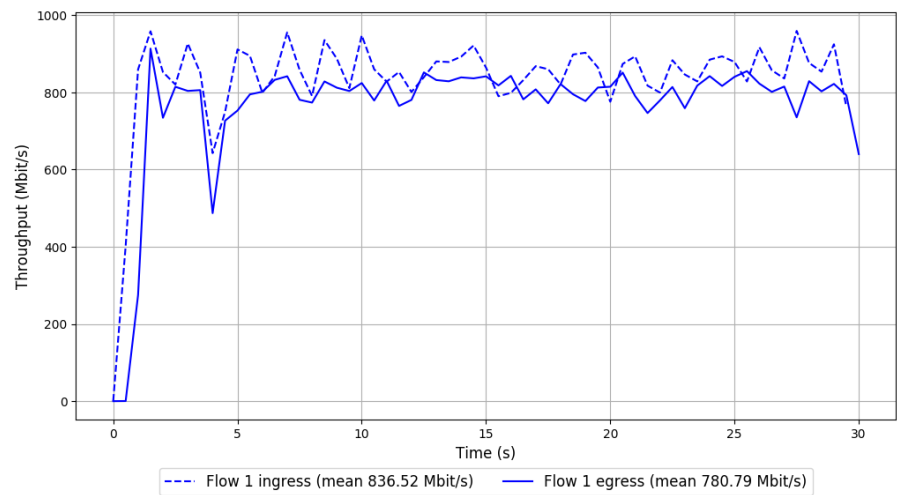


Run 7: Statistics of FillP

Start at: 2018-08-02 16:41:19
End at: 2018-08-02 16:41:49
Local clock offset: -0.049 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-02 18:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 780.79 Mbit/s
95th percentile per-packet one-way delay: 133.211 ms
Loss rate: 7.04%
-- Flow 1:
Average throughput: 780.79 Mbit/s
95th percentile per-packet one-way delay: 133.211 ms
Loss rate: 7.04%

Run 7: Report of FillP — Data Link

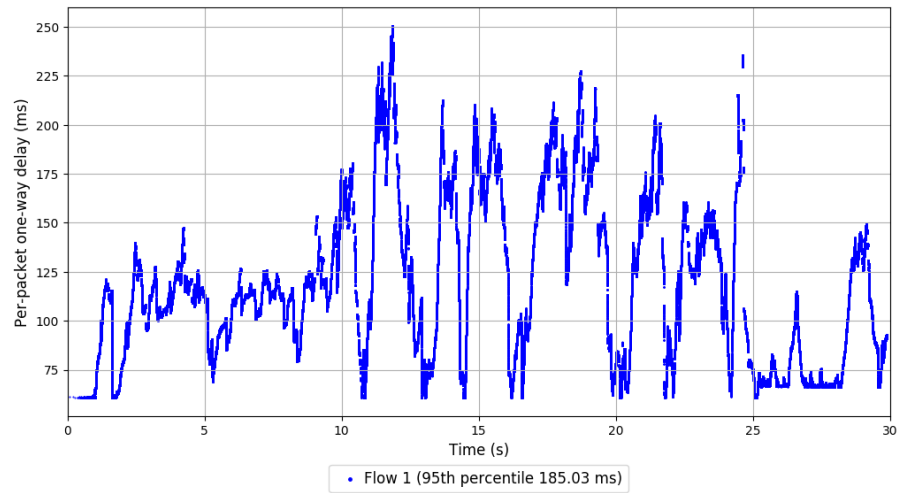
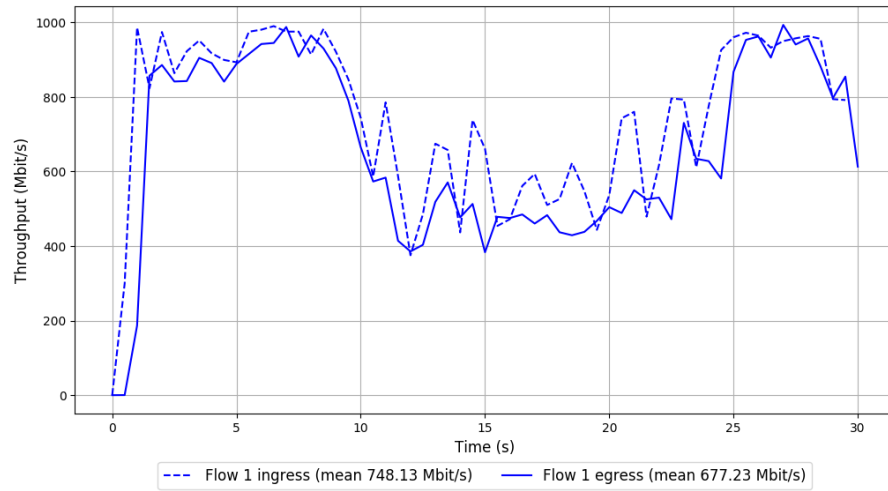


Run 8: Statistics of FillP

Start at: 2018-08-02 17:03:53
End at: 2018-08-02 17:04:23
Local clock offset: -0.09 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-02 18:54:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 677.23 Mbit/s
95th percentile per-packet one-way delay: 185.029 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 677.23 Mbit/s
95th percentile per-packet one-way delay: 185.029 ms
Loss rate: 9.87%

Run 8: Report of FillP — Data Link

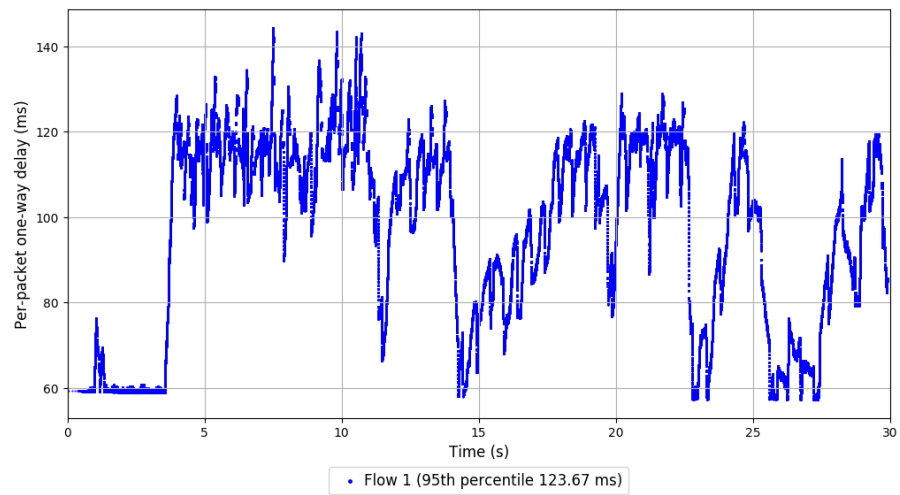
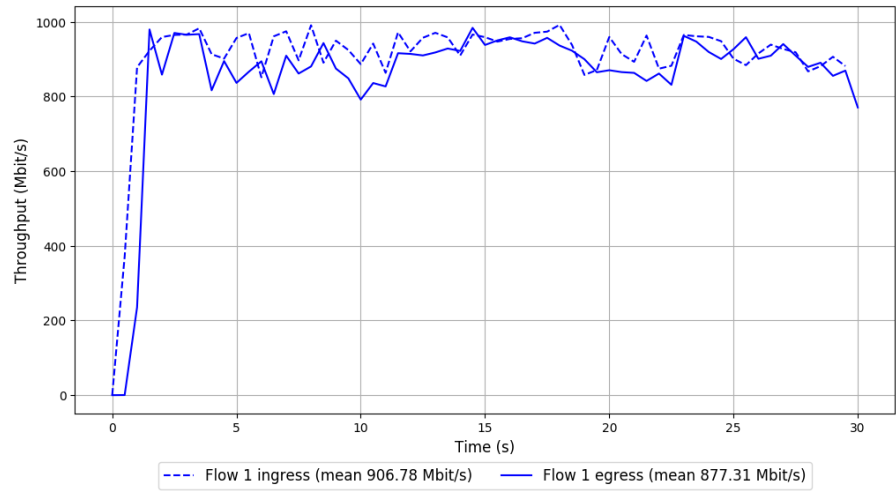


Run 9: Statistics of FillP

Start at: 2018-08-02 17:26:34
End at: 2018-08-02 17:27:04
Local clock offset: 90.541 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-02 19:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 877.31 Mbit/s
95th percentile per-packet one-way delay: 123.674 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 877.31 Mbit/s
95th percentile per-packet one-way delay: 123.674 ms
Loss rate: 3.65%

Run 9: Report of FillP — Data Link

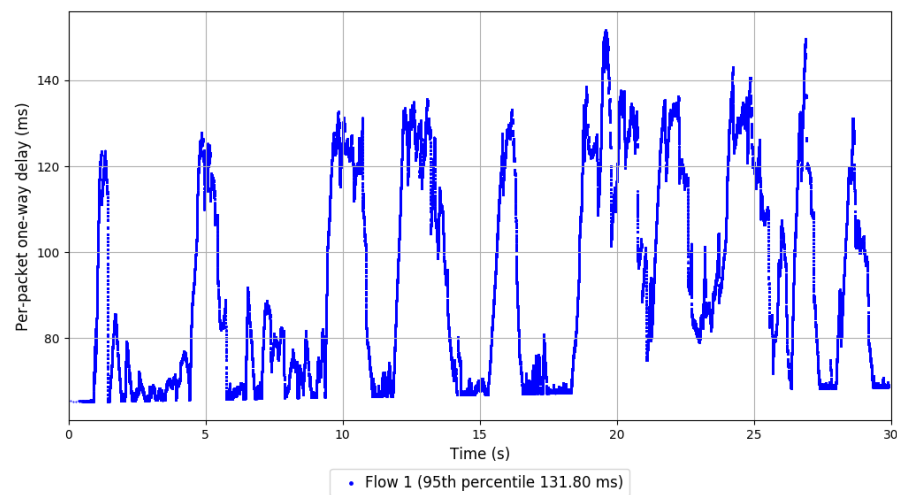
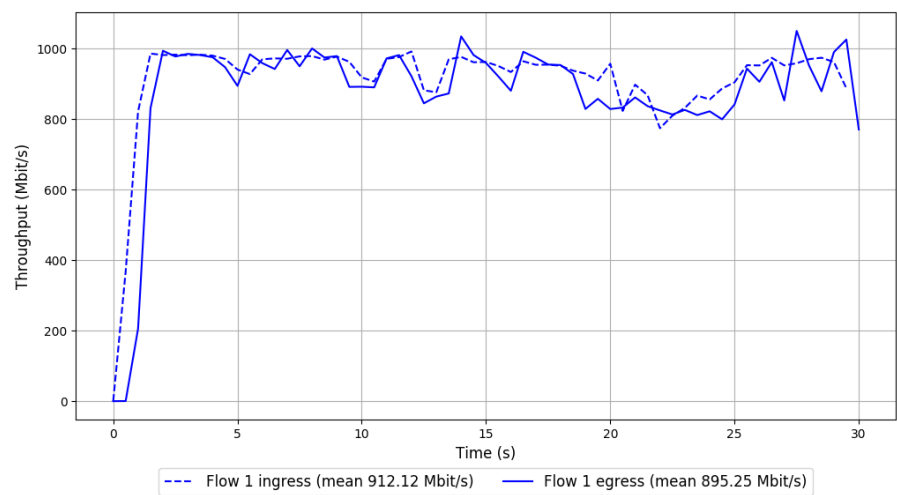


Run 10: Statistics of FillP

Start at: 2018-08-02 17:49:19
End at: 2018-08-02 17:49:49
Local clock offset: 32.754 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-08-02 19:09:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 895.25 Mbit/s
95th percentile per-packet one-way delay: 131.800 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 895.25 Mbit/s
95th percentile per-packet one-way delay: 131.800 ms
Loss rate: 2.26%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-02 14:29:32

End at: 2018-08-02 14:30:02

Local clock offset: -0.093 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-08-02 19:09:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 790.63 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 2.29%

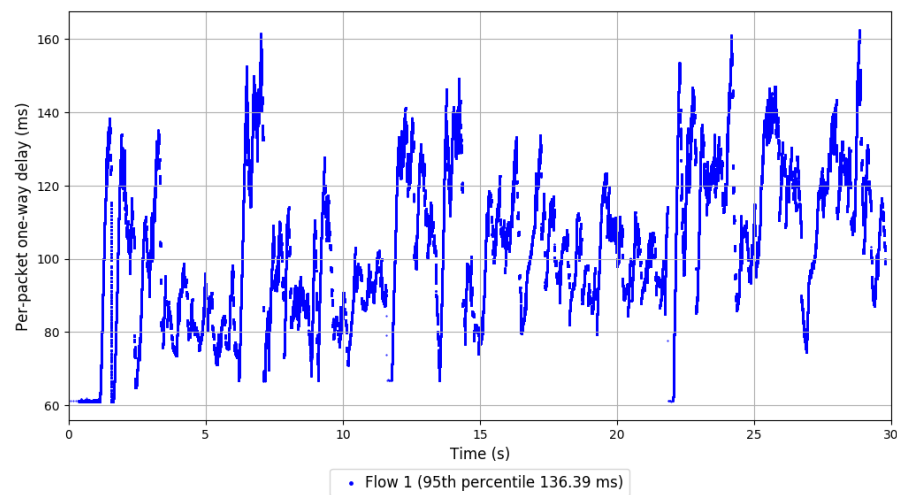
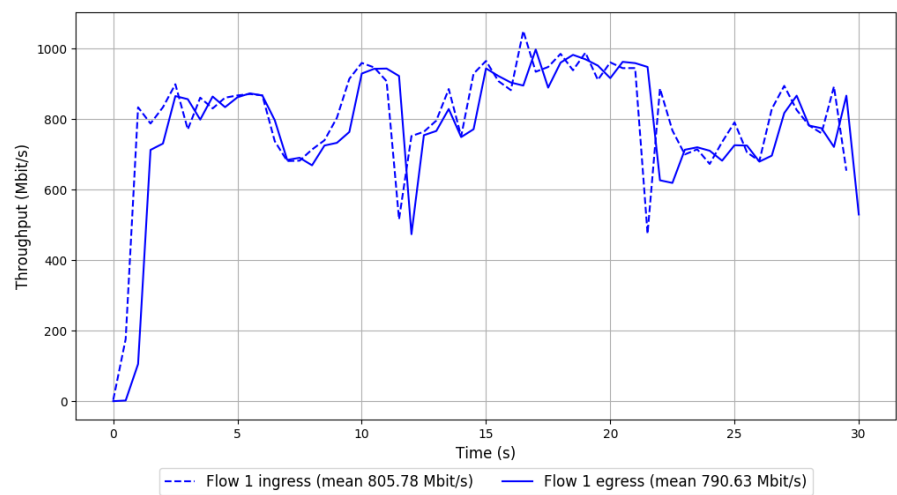
-- Flow 1:

Average throughput: 790.63 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 2.29%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-02 14:51:42

End at: 2018-08-02 14:52:12

Local clock offset: -0.036 ms

Remote clock offset: 0.924 ms

Below is generated by plot.py at 2018-08-02 19:09:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 749.88 Mbit/s

95th percentile per-packet one-way delay: 120.777 ms

Loss rate: 0.97%

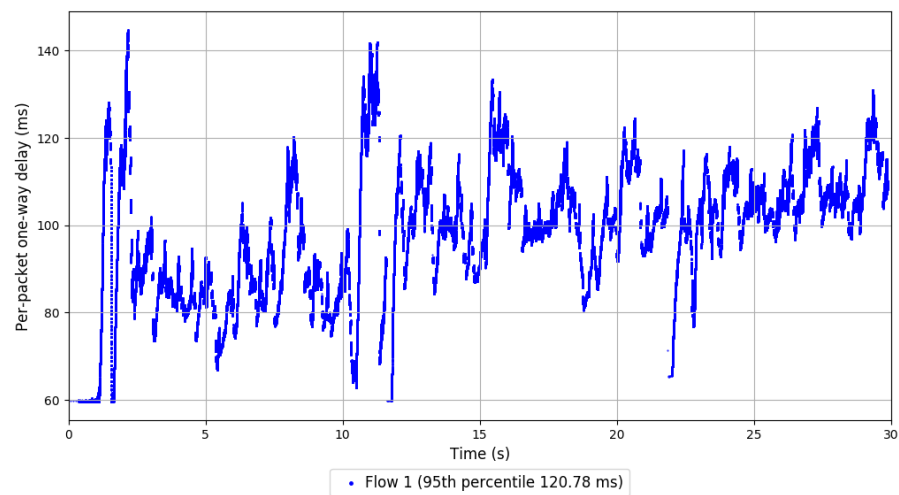
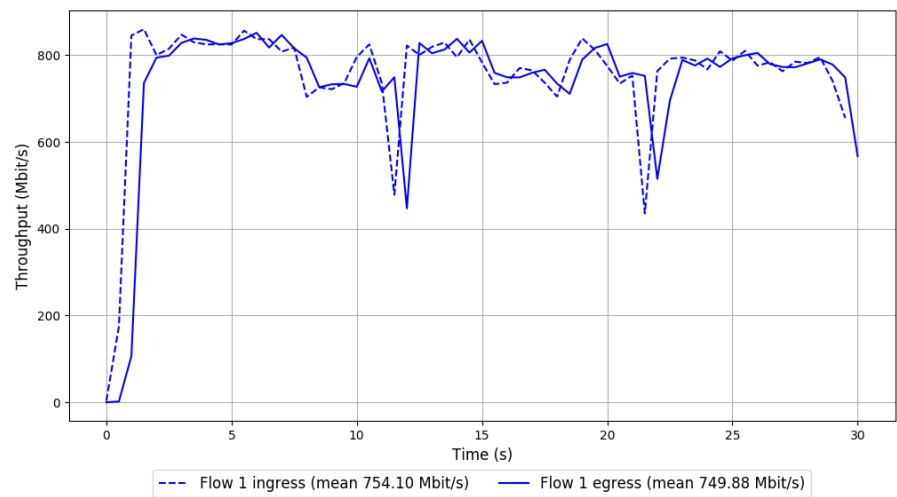
-- Flow 1:

Average throughput: 749.88 Mbit/s

95th percentile per-packet one-way delay: 120.777 ms

Loss rate: 0.97%

Run 2: Report of FillP-Sheep — Data Link

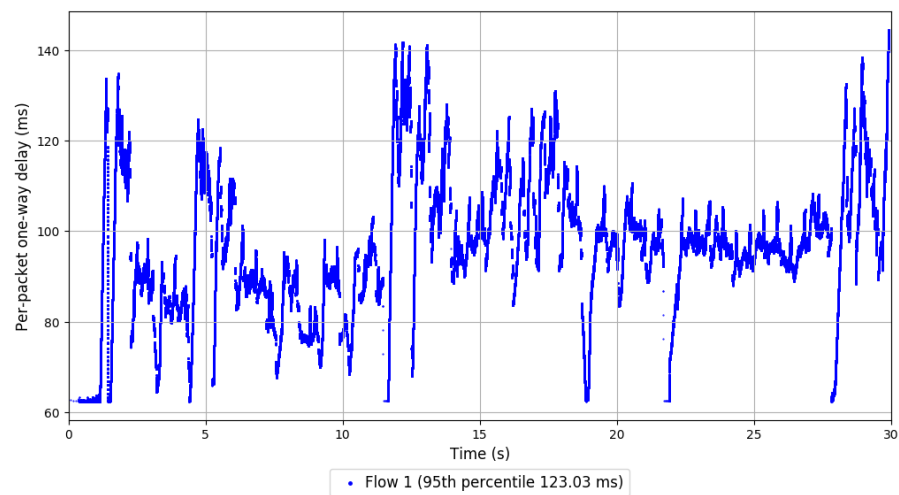
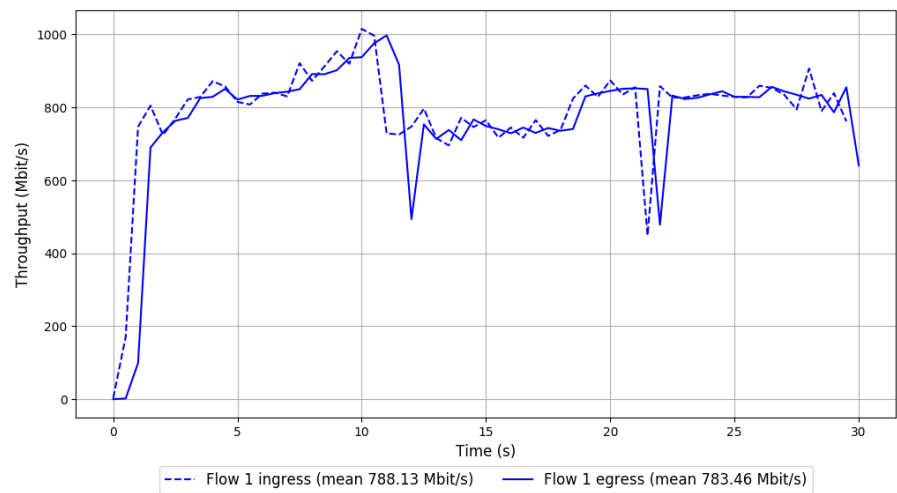


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-02 15:13:56
End at: 2018-08-02 15:14:26
Local clock offset: -0.006 ms
Remote clock offset: -1.849 ms

Below is generated by plot.py at 2018-08-02 19:09:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 783.46 Mbit/s
95th percentile per-packet one-way delay: 123.034 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 783.46 Mbit/s
95th percentile per-packet one-way delay: 123.034 ms
Loss rate: 1.00%

Run 3: Report of FillP-Sheep — Data Link

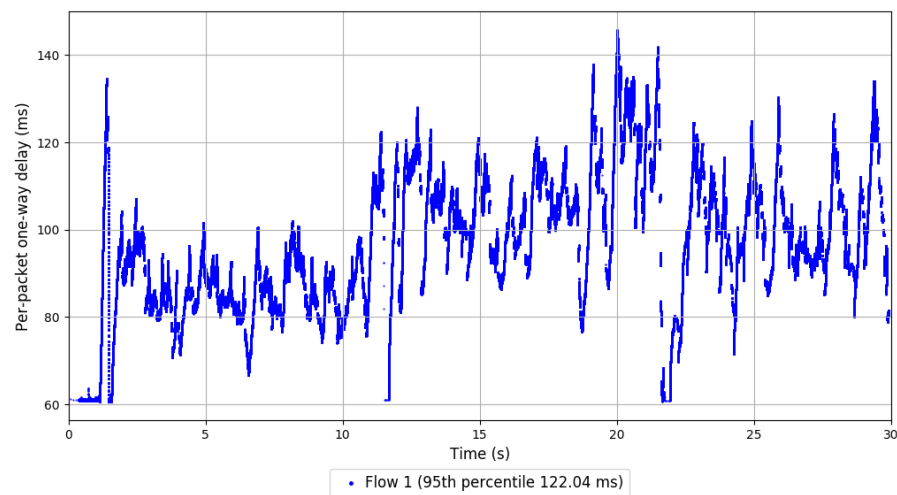
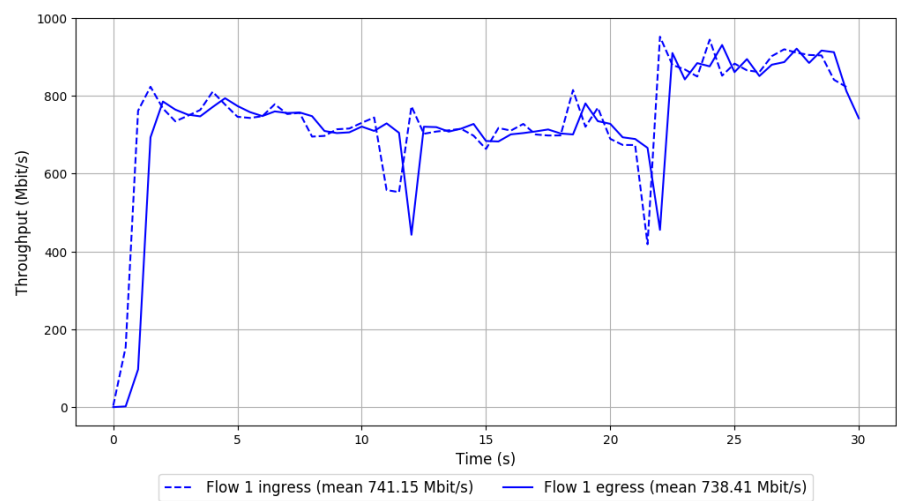


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-02 15:36:30
End at: 2018-08-02 15:37:00
Local clock offset: 0.02 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-02 19:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 738.41 Mbit/s
95th percentile per-packet one-way delay: 122.042 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 738.41 Mbit/s
95th percentile per-packet one-way delay: 122.042 ms
Loss rate: 0.78%

Run 4: Report of FillP-Sheep — Data Link

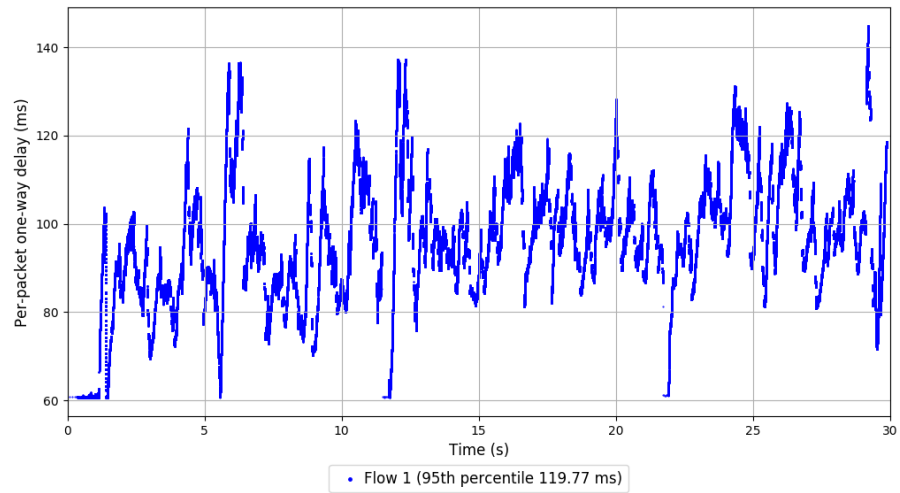
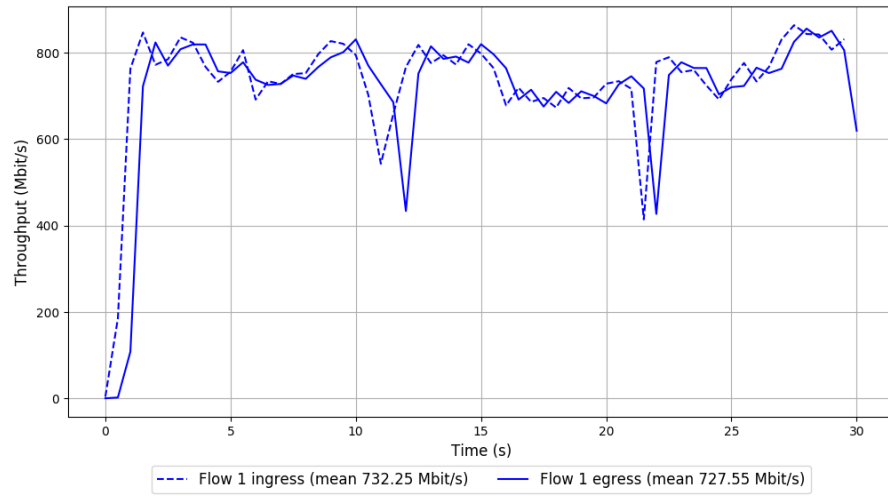


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-02 15:59:12
End at: 2018-08-02 15:59:42
Local clock offset: -0.059 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-02 19:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 727.55 Mbit/s
95th percentile per-packet one-way delay: 119.774 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 727.55 Mbit/s
95th percentile per-packet one-way delay: 119.774 ms
Loss rate: 1.07%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-02 16:21:41

End at: 2018-08-02 16:22:11

Local clock offset: 0.005 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-08-02 19:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 922.18 Mbit/s

95th percentile per-packet one-way delay: 119.823 ms

Loss rate: 1.48%

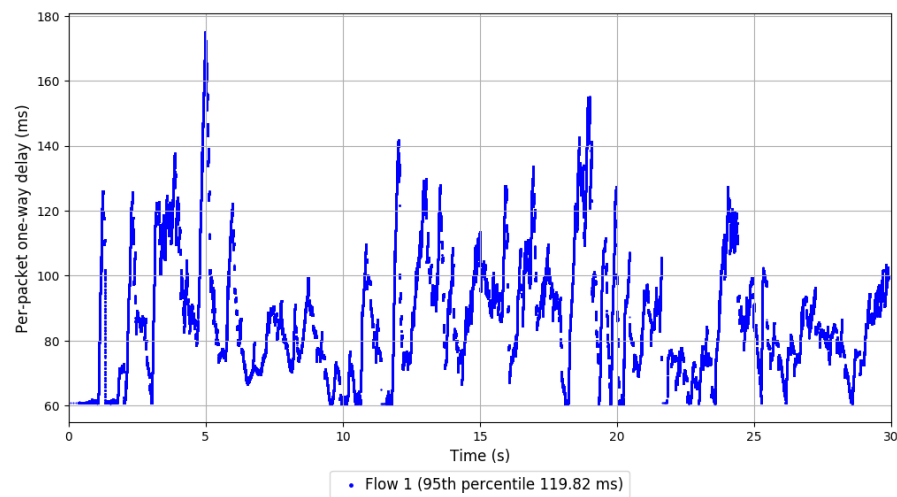
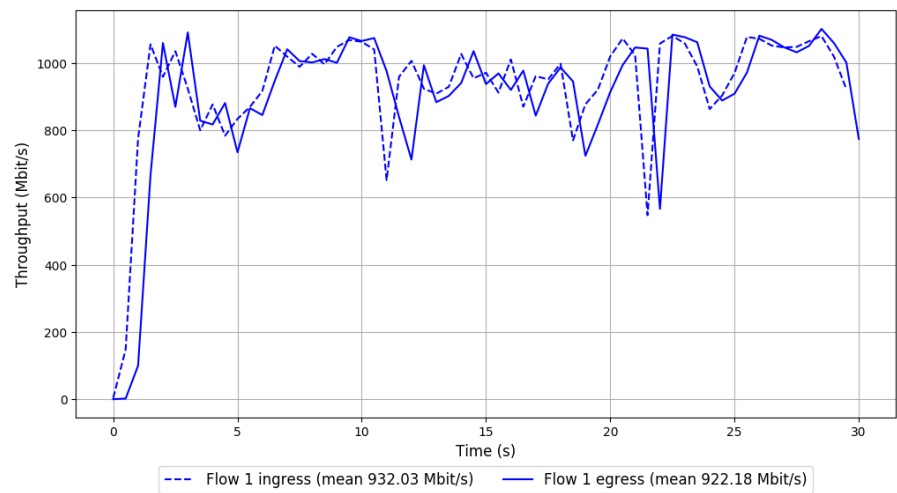
-- Flow 1:

Average throughput: 922.18 Mbit/s

95th percentile per-packet one-way delay: 119.823 ms

Loss rate: 1.48%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-02 16:44:26

End at: 2018-08-02 16:44:56

Local clock offset: -0.017 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-02 19:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 826.80 Mbit/s

95th percentile per-packet one-way delay: 111.290 ms

Loss rate: 0.56%

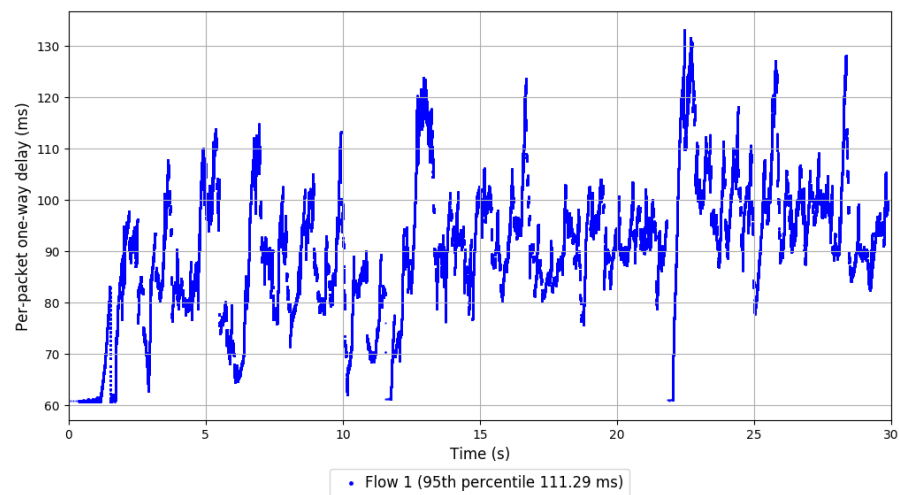
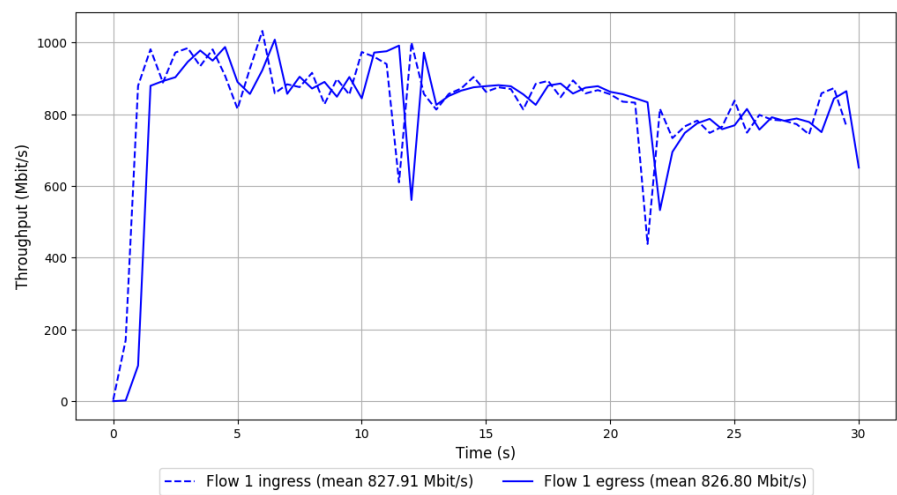
-- Flow 1:

Average throughput: 826.80 Mbit/s

95th percentile per-packet one-way delay: 111.290 ms

Loss rate: 0.56%

Run 7: Report of FillP-Sheep — Data Link

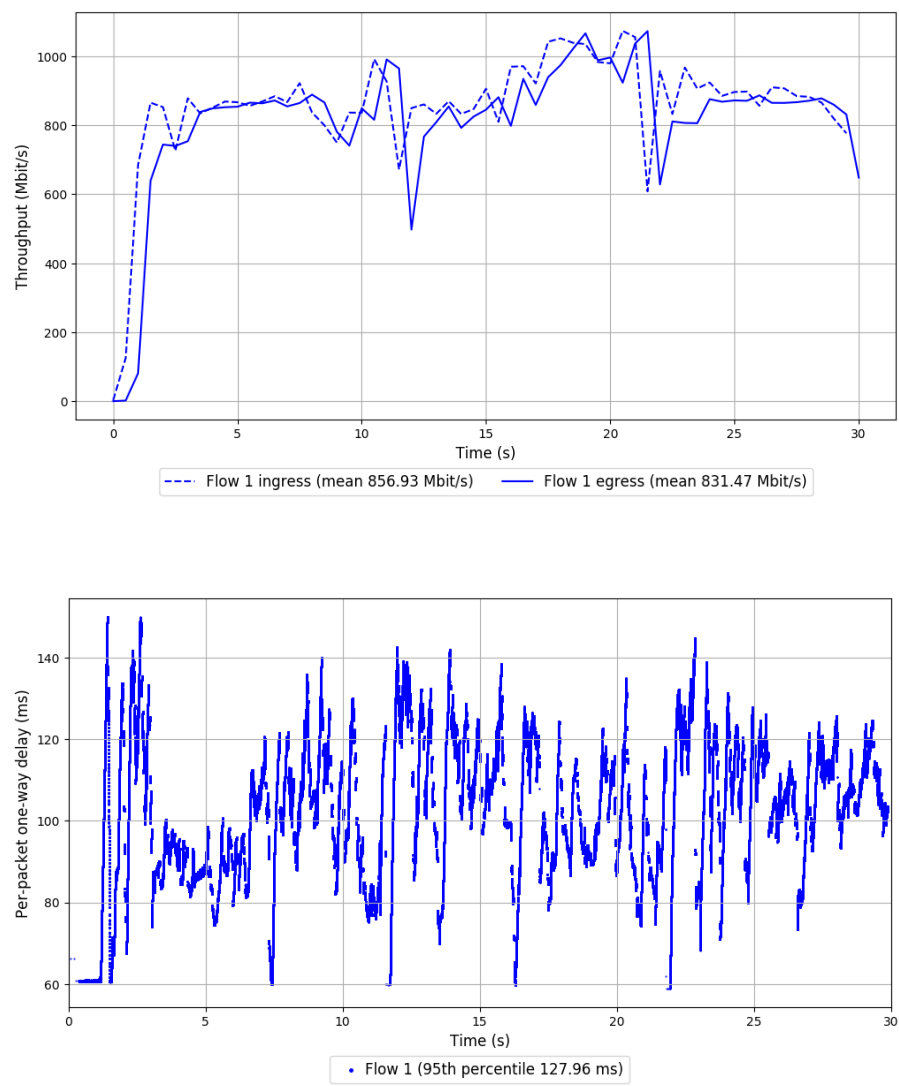


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-02 17:06:51
End at: 2018-08-02 17:07:21
Local clock offset: 11.399 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-08-02 19:25:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 831.47 Mbit/s
95th percentile per-packet one-way delay: 127.961 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 831.47 Mbit/s
95th percentile per-packet one-way delay: 127.961 ms
Loss rate: 3.41%

Run 8: Report of FillP-Sheep — Data Link

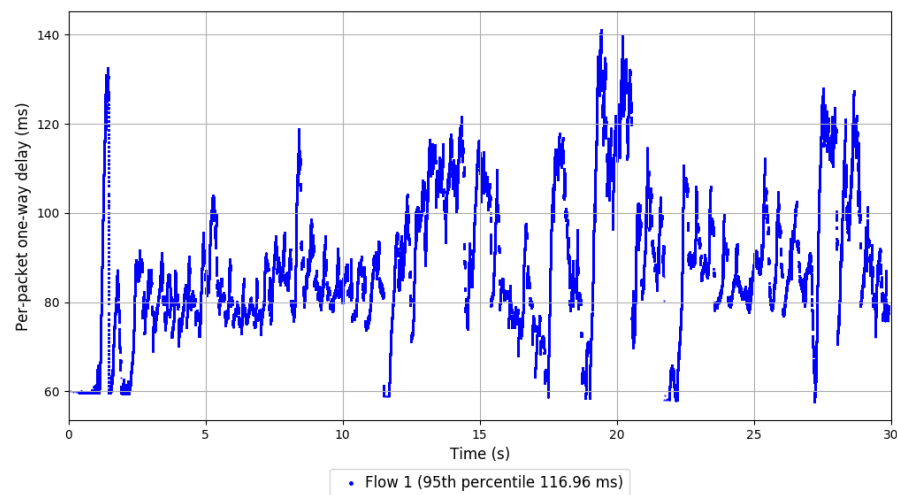
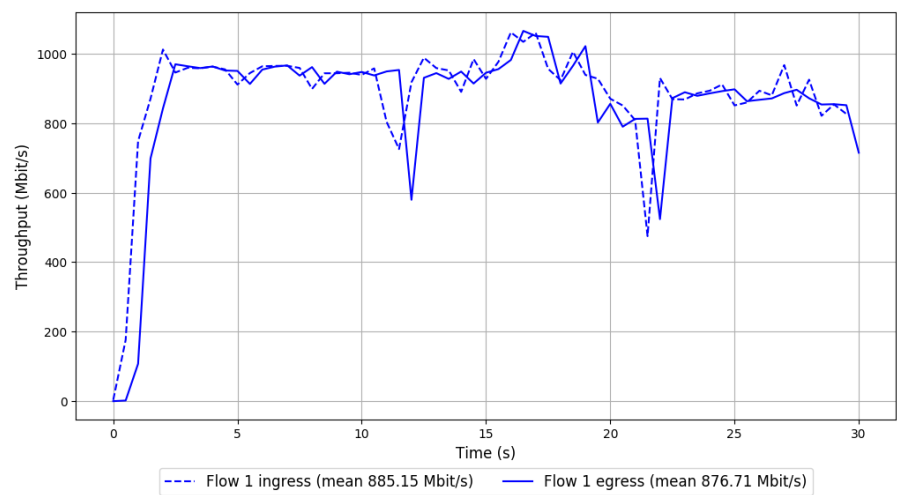


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-02 17:29:43
End at: 2018-08-02 17:30:13
Local clock offset: 105.526 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-08-02 19:26:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 876.71 Mbit/s
95th percentile per-packet one-way delay: 116.960 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 876.71 Mbit/s
95th percentile per-packet one-way delay: 116.960 ms
Loss rate: 1.37%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-02 17:52:28

End at: 2018-08-02 17:52:59

Local clock offset: 14.839 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-02 19:29:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 953.05 Mbit/s

95th percentile per-packet one-way delay: 113.480 ms

Loss rate: 0.72%

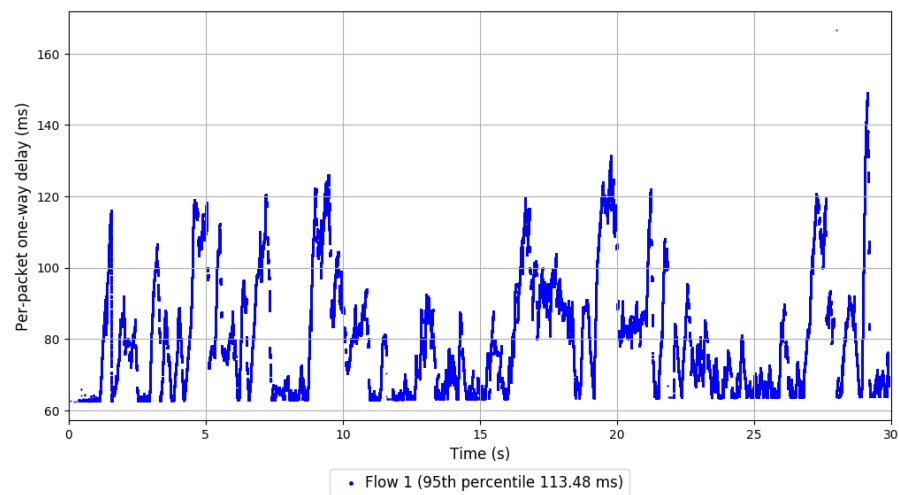
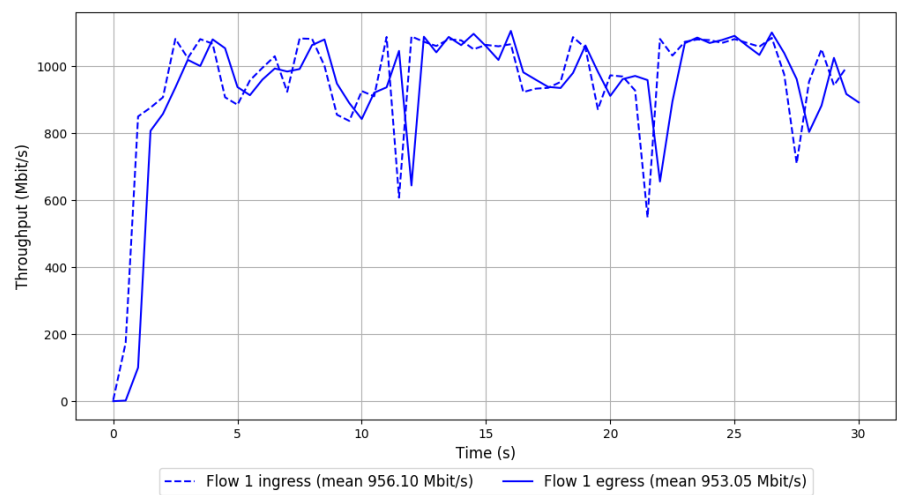
-- Flow 1:

Average throughput: 953.05 Mbit/s

95th percentile per-packet one-way delay: 113.480 ms

Loss rate: 0.72%

Run 10: Report of FillP-Sheep — Data Link

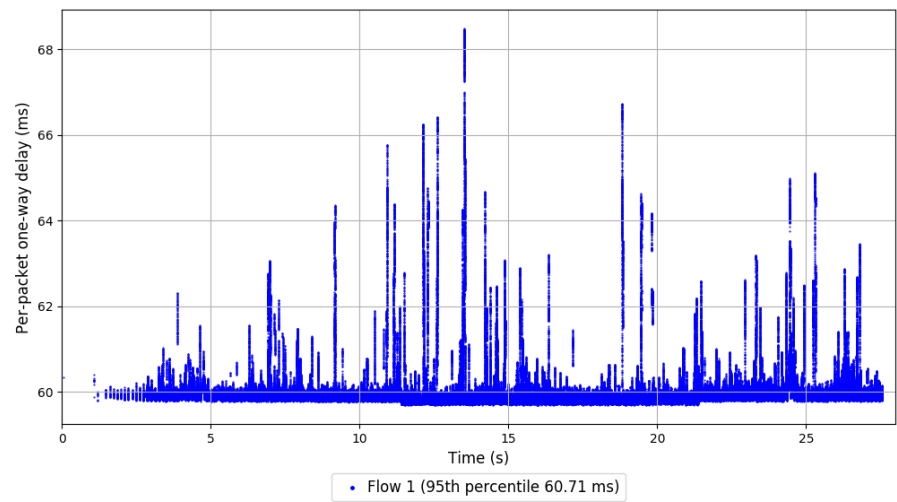
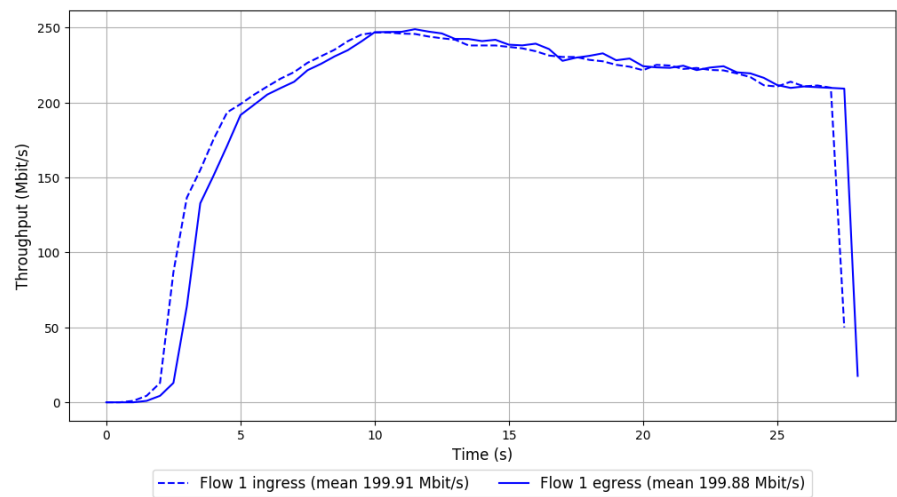


```
Run 1: Statistics of Indigo

Start at: 2018-08-02 14:32:35
End at: 2018-08-02 14:33:05
Local clock offset: -0.027 ms
Remote clock offset: 0.88 ms

# Below is generated by plot.py at 2018-08-02 19:29:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.88 Mbit/s
95th percentile per-packet one-way delay: 60.714 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 199.88 Mbit/s
95th percentile per-packet one-way delay: 60.714 ms
Loss rate: 0.46%
```

Run 1: Report of Indigo — Data Link

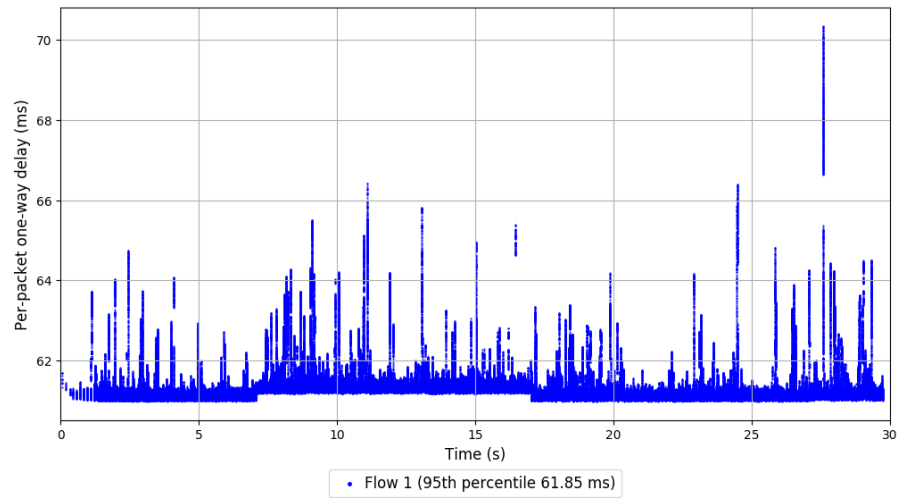
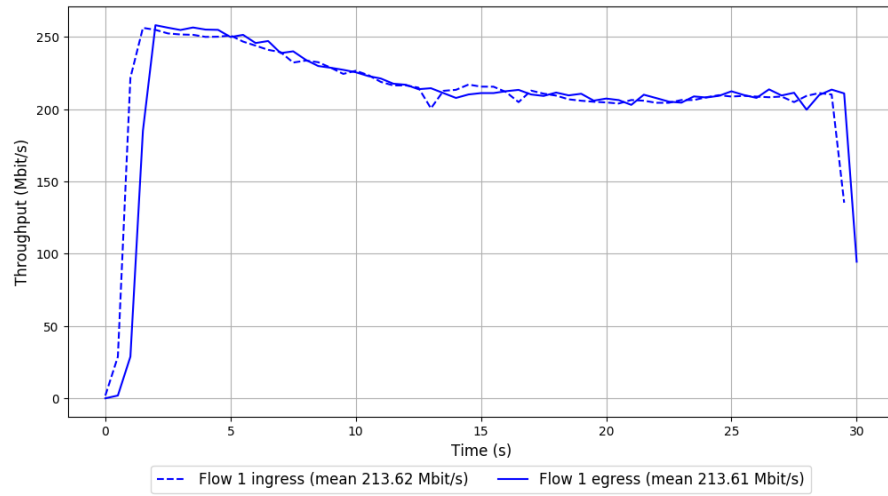


Run 2: Statistics of Indigo

Start at: 2018-08-02 14:54:42
End at: 2018-08-02 14:55:12
Local clock offset: -0.047 ms
Remote clock offset: -0.663 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.61 Mbit/s
95th percentile per-packet one-way delay: 61.854 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 213.61 Mbit/s
95th percentile per-packet one-way delay: 61.854 ms
Loss rate: 0.41%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-02 15:16:58

End at: 2018-08-02 15:17:28

Local clock offset: 0.03 ms

Remote clock offset: -1.749 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.37 Mbit/s

95th percentile per-packet one-way delay: 62.749 ms

Loss rate: 0.41%

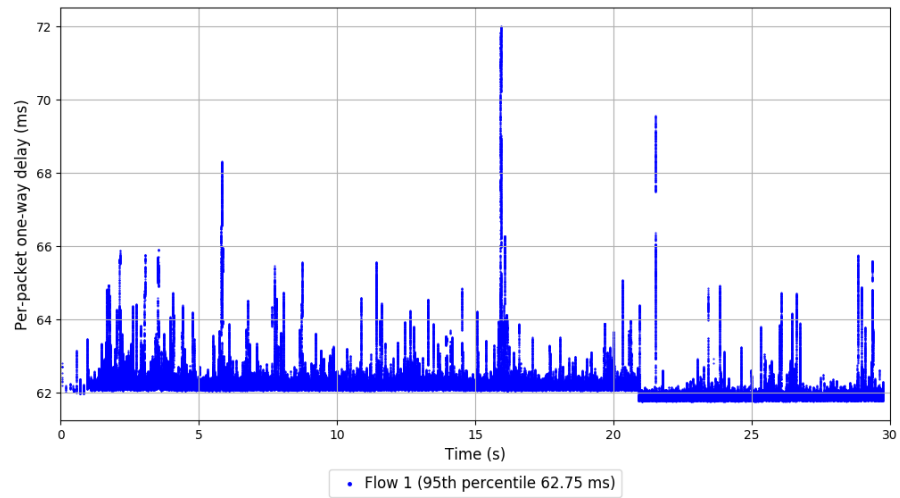
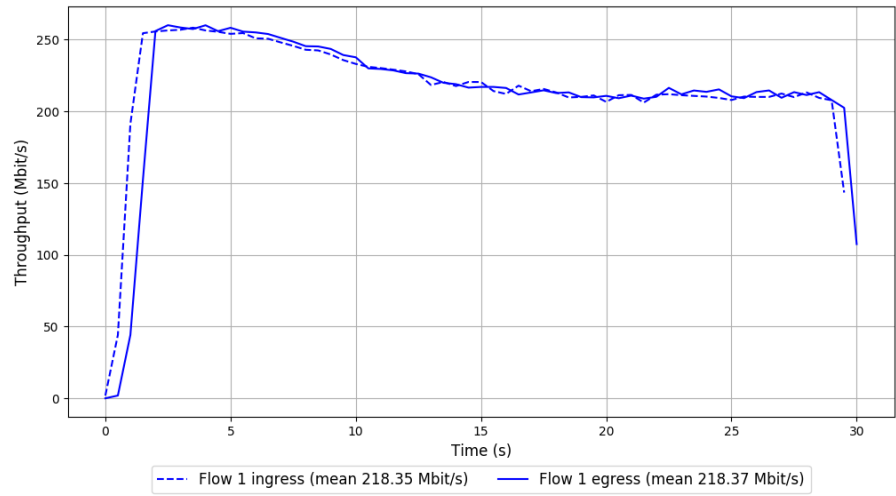
-- Flow 1:

Average throughput: 218.37 Mbit/s

95th percentile per-packet one-way delay: 62.749 ms

Loss rate: 0.41%

Run 3: Report of Indigo — Data Link

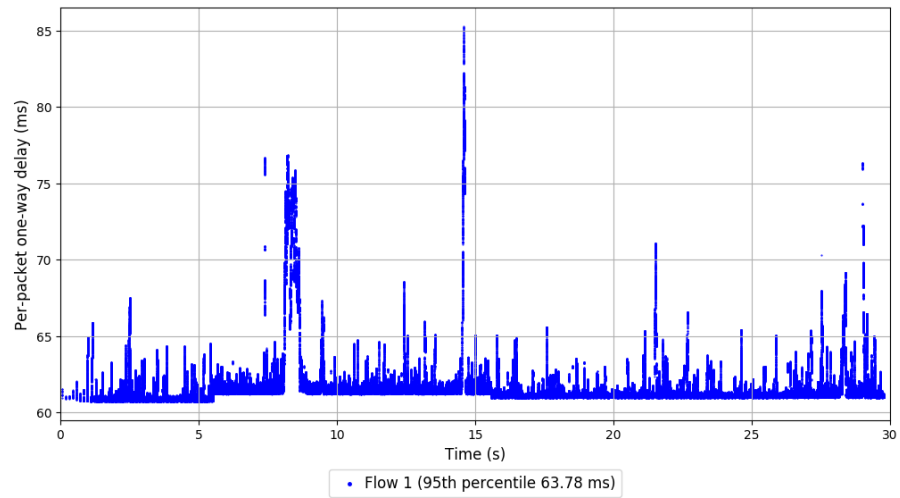
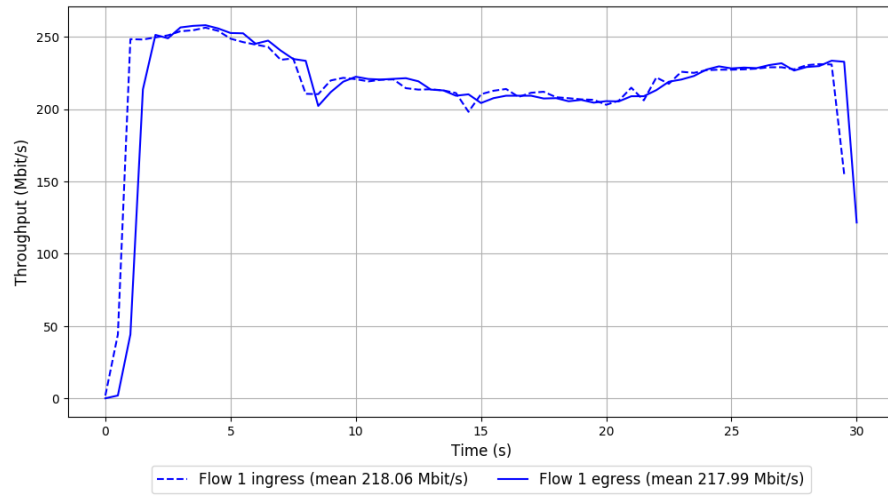


Run 4: Statistics of Indigo

Start at: 2018-08-02 15:39:33
End at: 2018-08-02 15:40:03
Local clock offset: -0.018 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.99 Mbit/s
95th percentile per-packet one-way delay: 63.785 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 217.99 Mbit/s
95th percentile per-packet one-way delay: 63.785 ms
Loss rate: 0.44%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-02 16:02:13

End at: 2018-08-02 16:02:43

Local clock offset: -0.049 ms

Remote clock offset: 1.044 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 61.359 ms

Loss rate: 0.40%

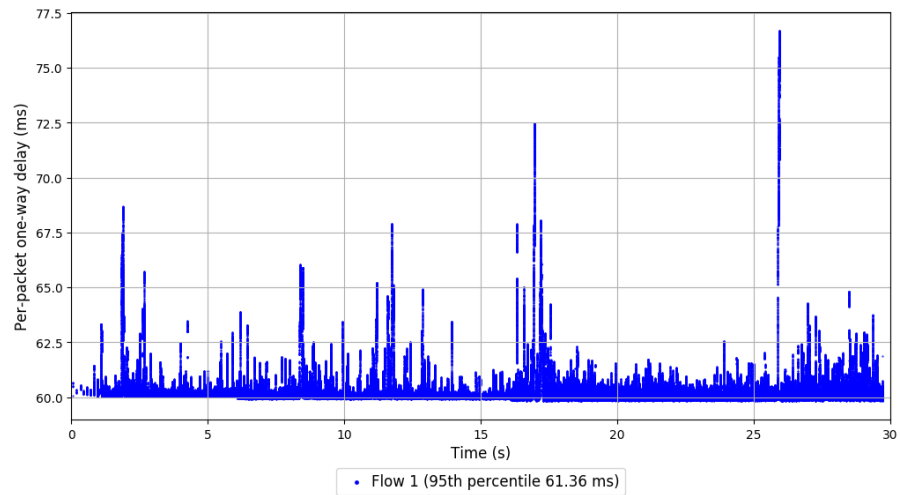
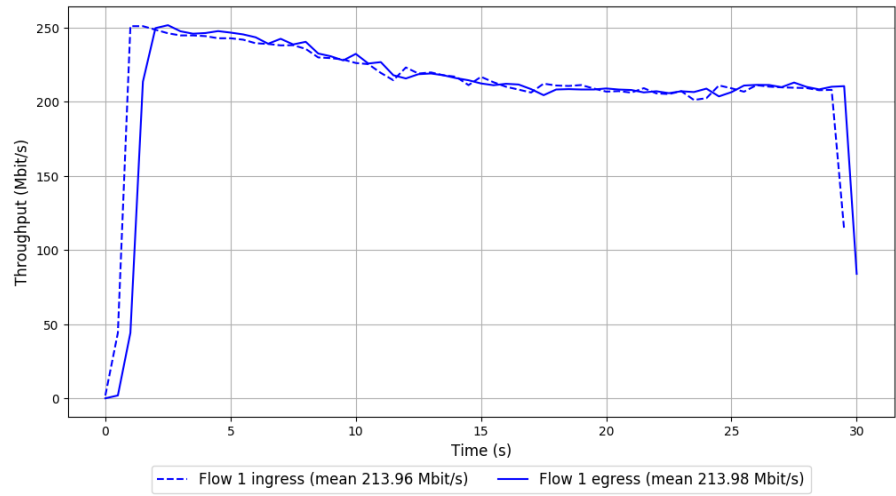
-- Flow 1:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 61.359 ms

Loss rate: 0.40%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-02 16:24:51

End at: 2018-08-02 16:25:21

Local clock offset: -0.002 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.96 Mbit/s

95th percentile per-packet one-way delay: 62.536 ms

Loss rate: 0.42%

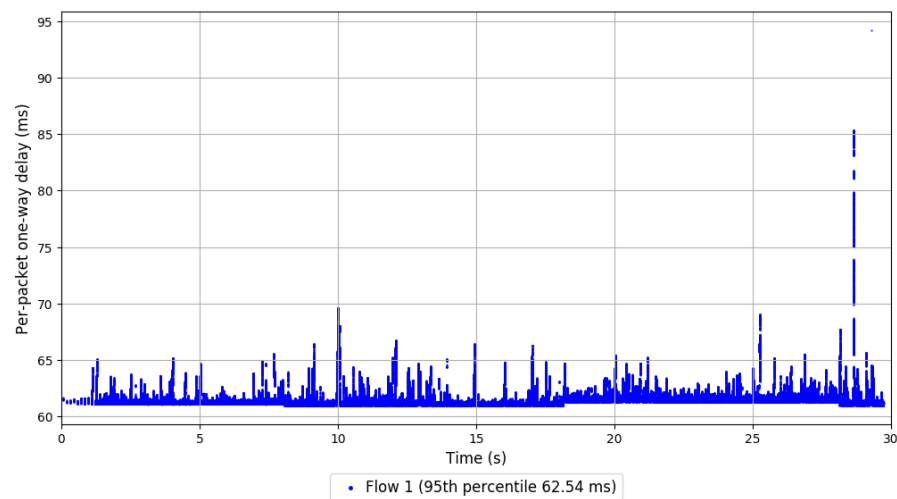
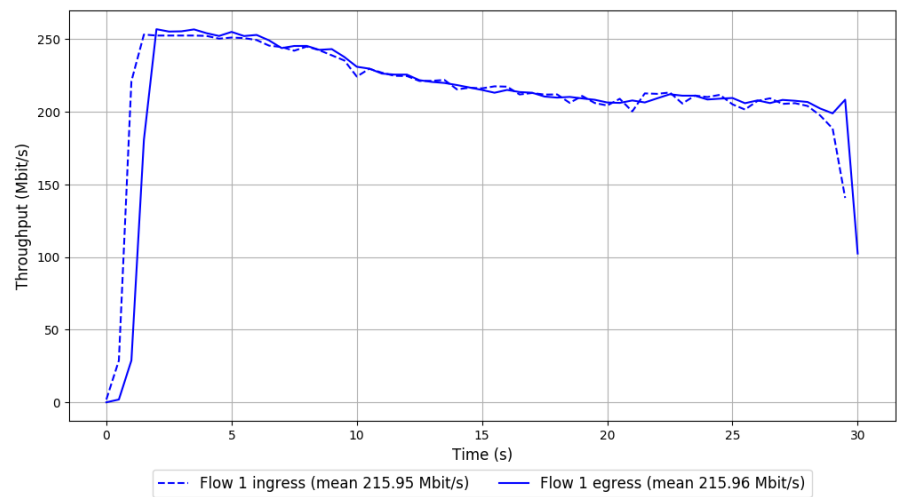
-- Flow 1:

Average throughput: 215.96 Mbit/s

95th percentile per-packet one-way delay: 62.536 ms

Loss rate: 0.42%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-02 16:47:33

End at: 2018-08-02 16:48:03

Local clock offset: -0.08 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.63 Mbit/s

95th percentile per-packet one-way delay: 61.429 ms

Loss rate: 0.41%

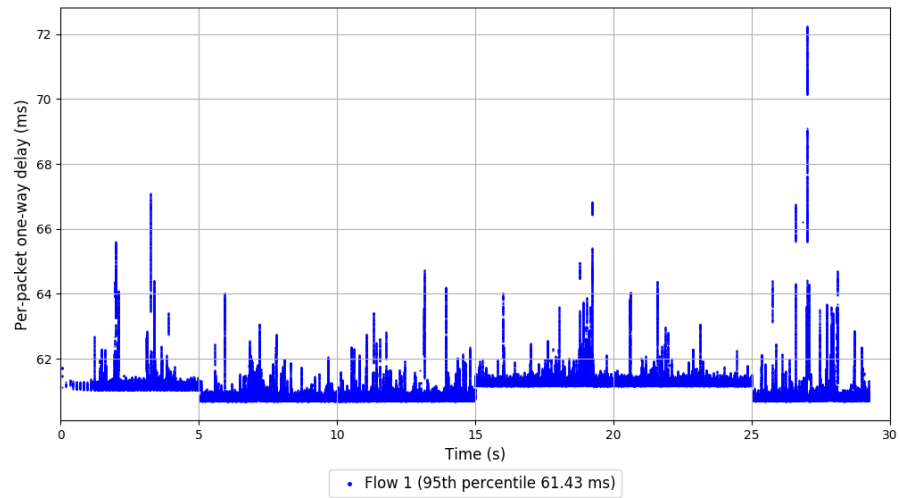
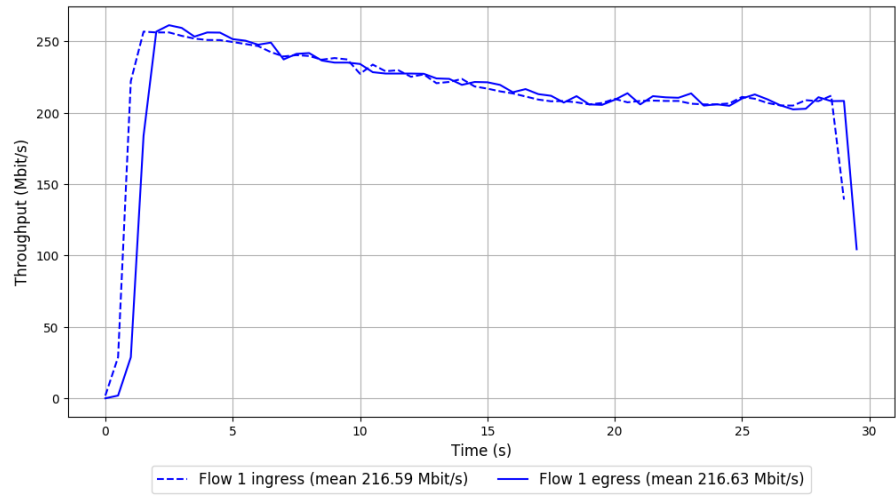
-- Flow 1:

Average throughput: 216.63 Mbit/s

95th percentile per-packet one-way delay: 61.429 ms

Loss rate: 0.41%

Run 7: Report of Indigo — Data Link

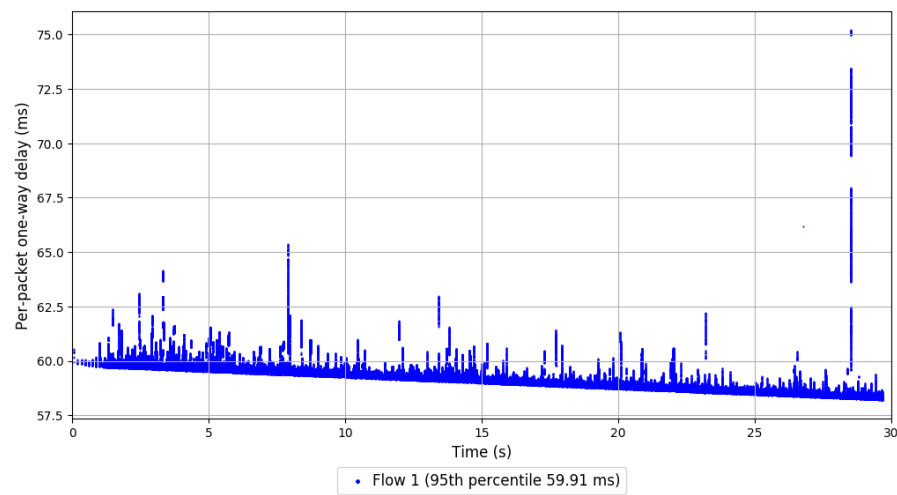
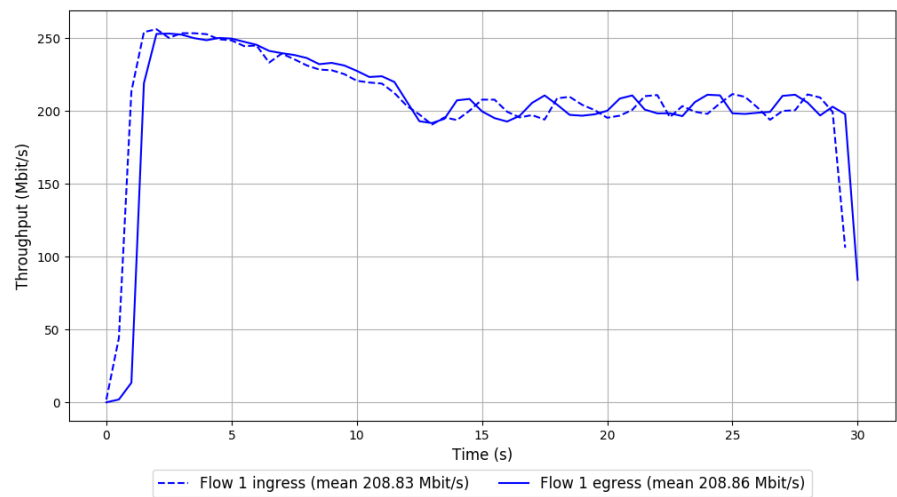


Run 8: Statistics of Indigo

Start at: 2018-08-02 17:09:58
End at: 2018-08-02 17:10:28
Local clock offset: 23.556 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.86 Mbit/s
95th percentile per-packet one-way delay: 59.907 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 208.86 Mbit/s
95th percentile per-packet one-way delay: 59.907 ms
Loss rate: 0.42%

Run 8: Report of Indigo — Data Link

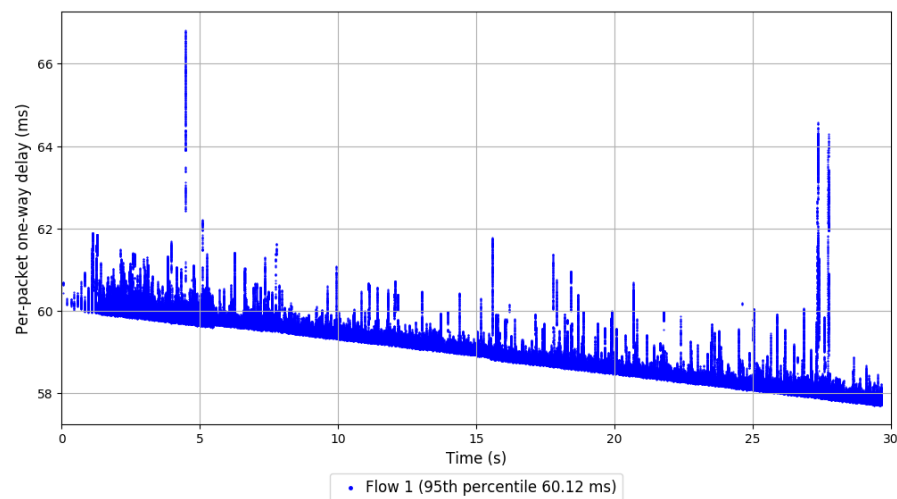
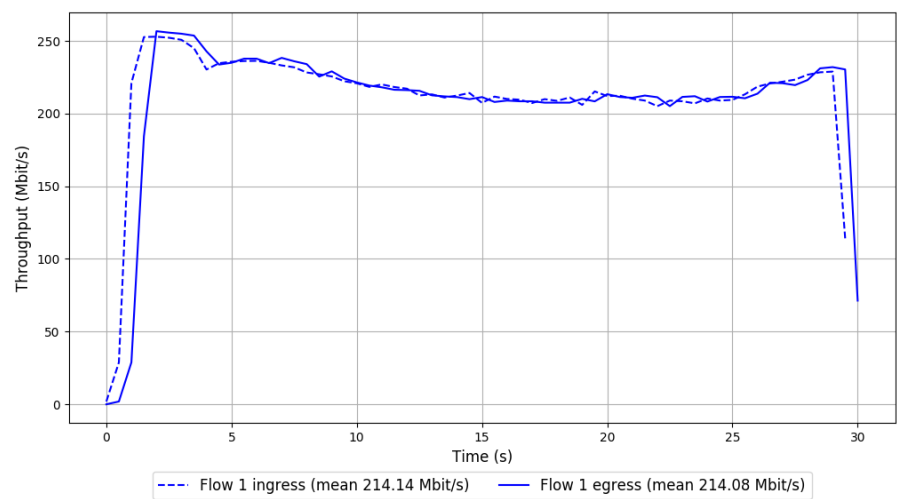


Run 9: Statistics of Indigo

Start at: 2018-08-02 17:32:53
End at: 2018-08-02 17:33:23
Local clock offset: 120.09 ms
Remote clock offset: -1.156 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.08 Mbit/s
95th percentile per-packet one-way delay: 60.122 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 214.08 Mbit/s
95th percentile per-packet one-way delay: 60.122 ms
Loss rate: 0.45%

Run 9: Report of Indigo — Data Link

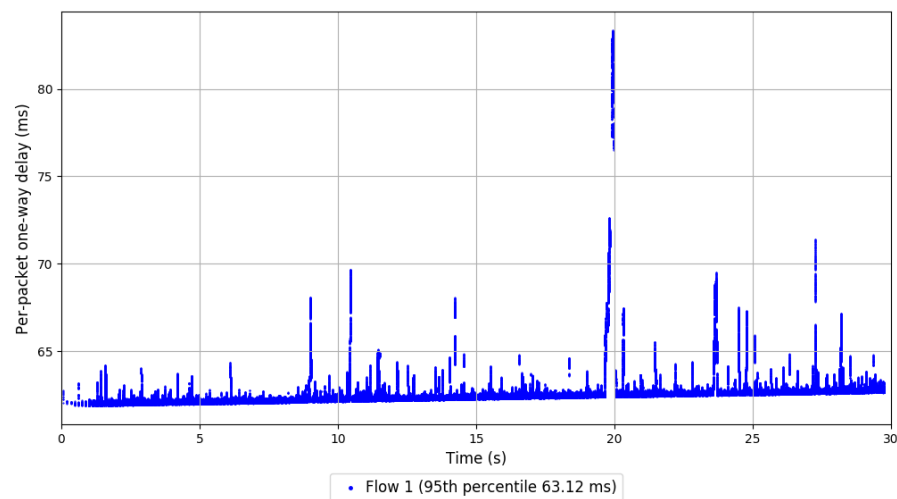
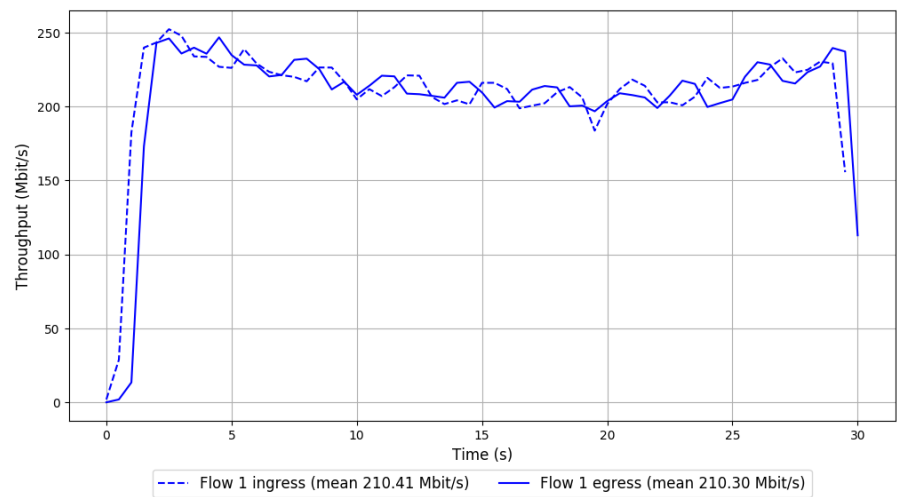


Run 10: Statistics of Indigo

Start at: 2018-08-02 17:55:41
End at: 2018-08-02 17:56:12
Local clock offset: 6.38 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.30 Mbit/s
95th percentile per-packet one-way delay: 63.123 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 210.30 Mbit/s
95th percentile per-packet one-way delay: 63.123 ms
Loss rate: 0.48%

Run 10: Report of Indigo — Data Link

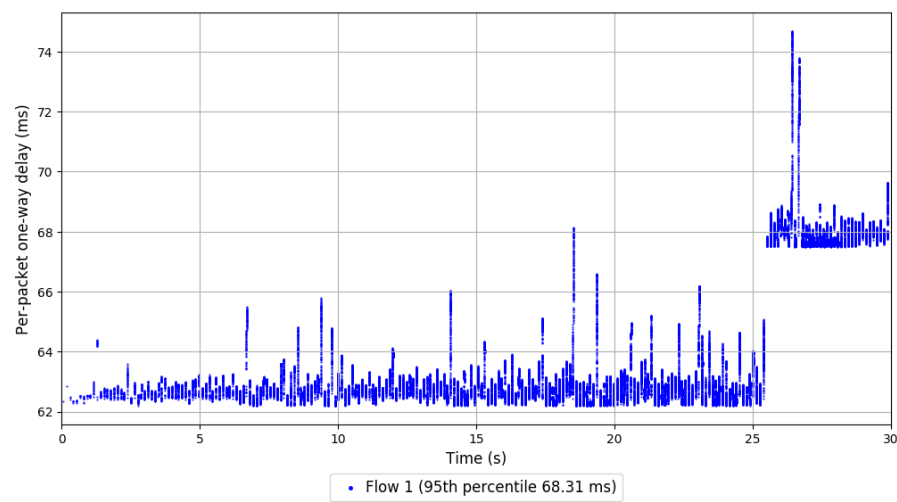
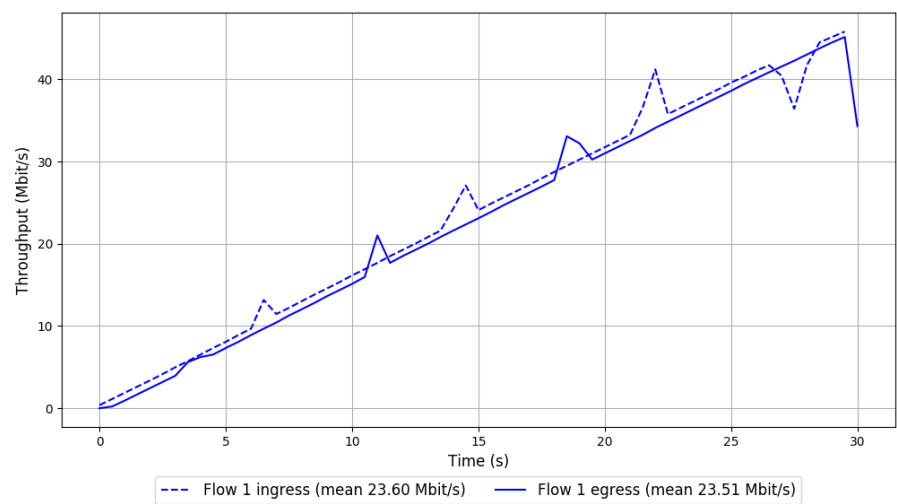


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-02 14:20:43
End at: 2018-08-02 14:21:13
Local clock offset: -0.105 ms
Remote clock offset: -1.651 ms

# Below is generated by plot.py at 2018-08-02 19:29:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 68.308 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 68.308 ms
Loss rate: 0.81%
```


Run 1: Report of LEDBAT — Data Link

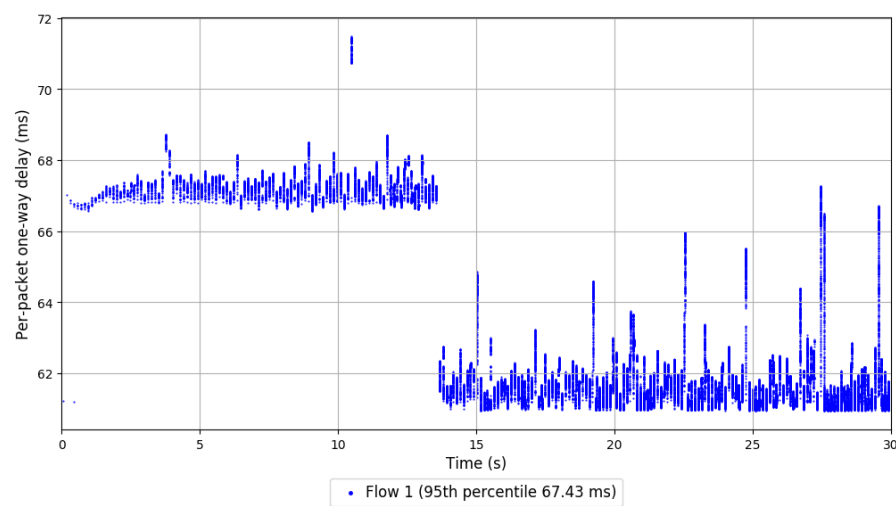
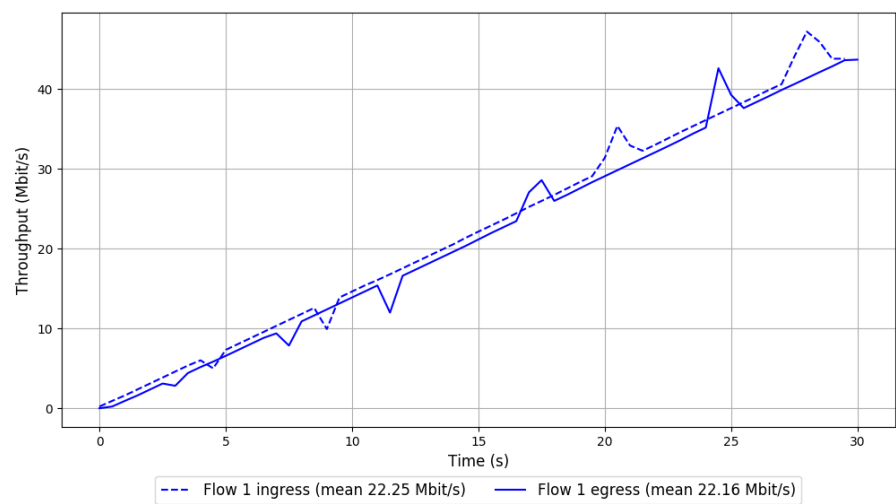


Run 2: Statistics of LEDBAT

Start at: 2018-08-02 14:42:55
End at: 2018-08-02 14:43:25
Local clock offset: -0.086 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 67.431 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 67.431 ms
Loss rate: 0.84%

Run 2: Report of LEDBAT — Data Link

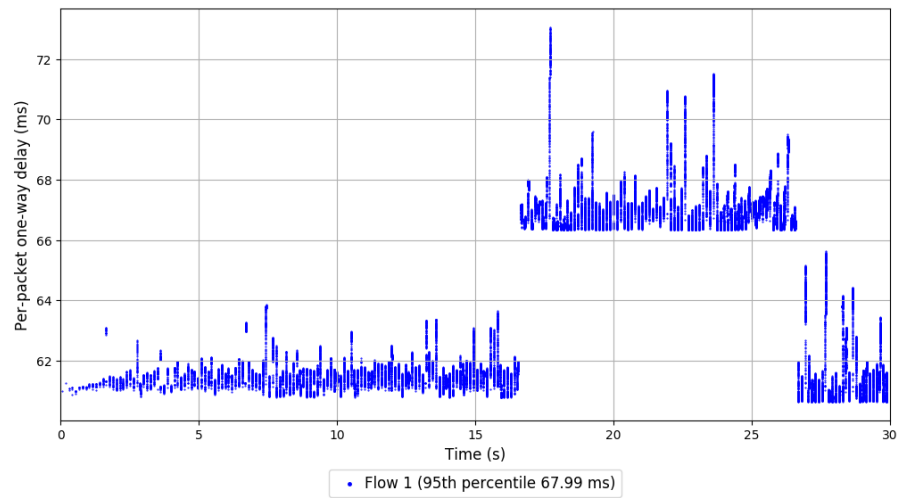
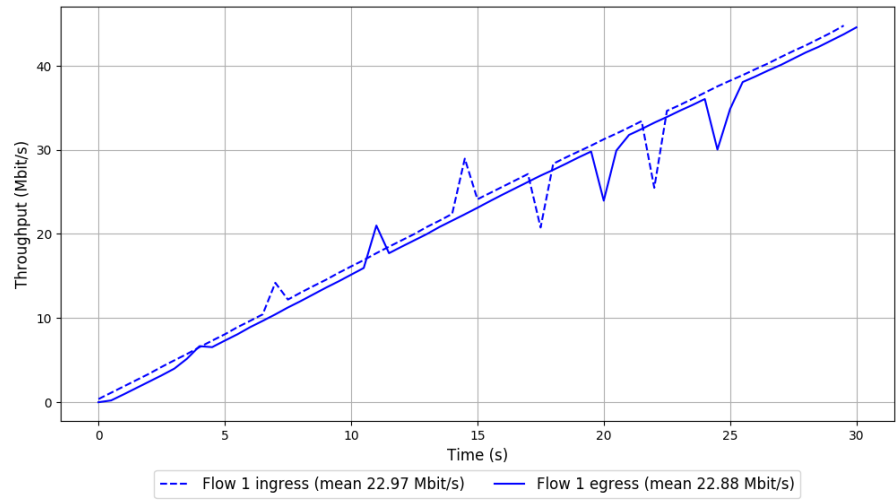


Run 3: Statistics of LEDBAT

Start at: 2018-08-02 15:05:02
End at: 2018-08-02 15:05:32
Local clock offset: -0.013 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 67.994 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 67.994 ms
Loss rate: 0.82%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-02 15:27:24

End at: 2018-08-02 15:27:54

Local clock offset: 0.013 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 62.745 ms

Loss rate: 0.82%

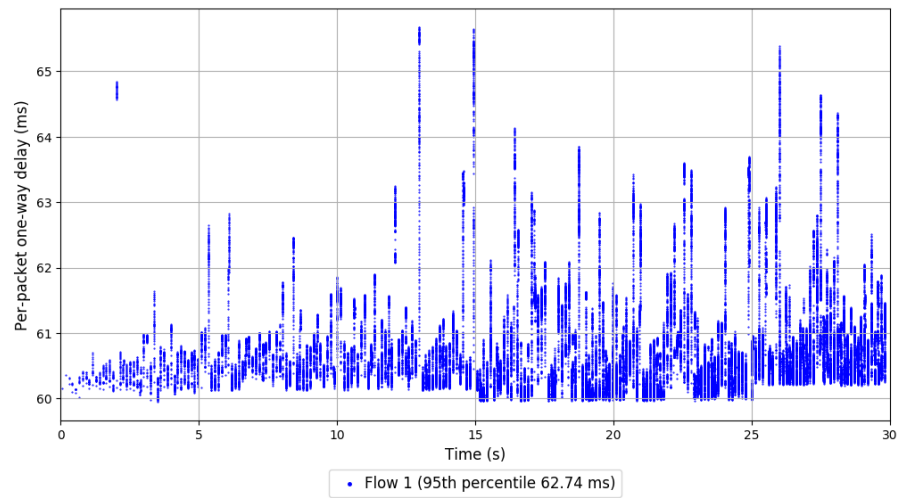
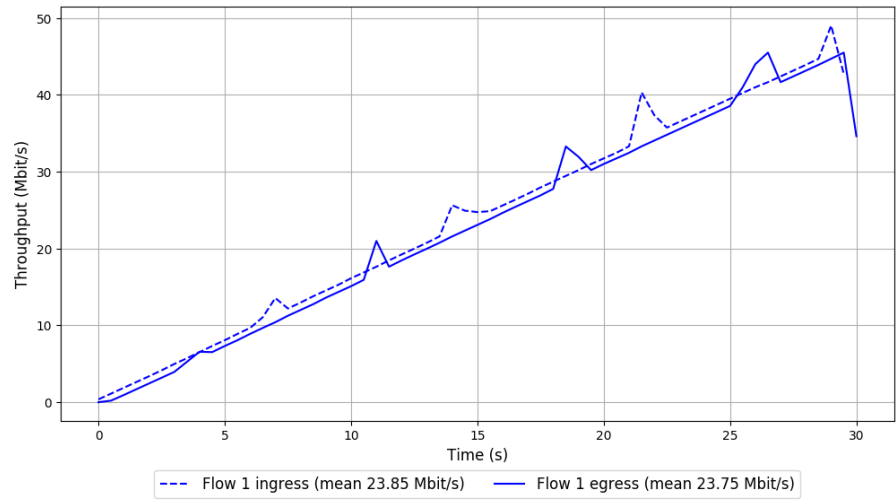
-- Flow 1:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 62.745 ms

Loss rate: 0.82%

Run 4: Report of LEDBAT — Data Link

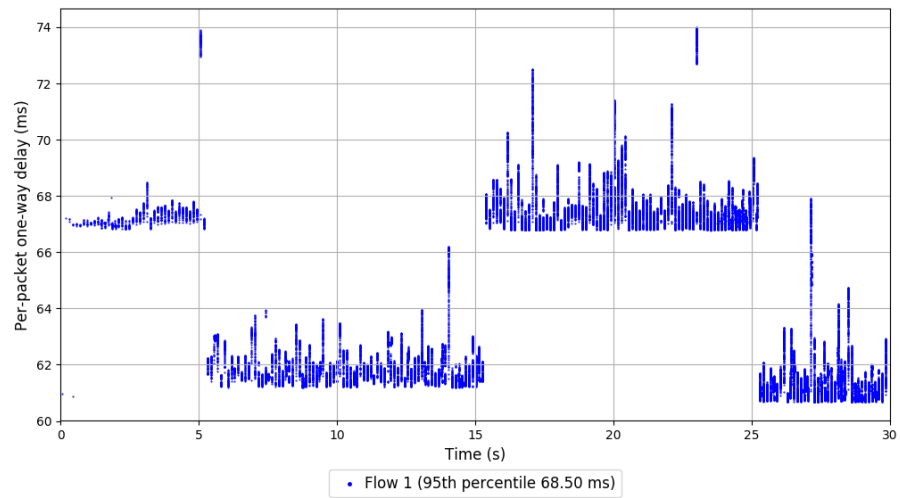
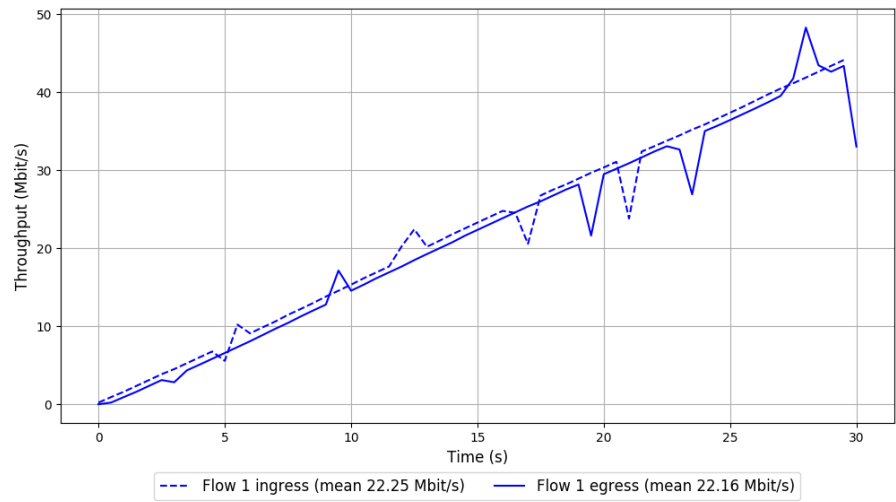


Run 5: Statistics of LEDBAT

Start at: 2018-08-02 15:50:04
End at: 2018-08-02 15:50:34
Local clock offset: -0.072 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 68.502 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 68.502 ms
Loss rate: 0.83%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-02 16:12:37

End at: 2018-08-02 16:13:07

Local clock offset: -0.066 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.35 Mbit/s

95th percentile per-packet one-way delay: 63.238 ms

Loss rate: 0.90%

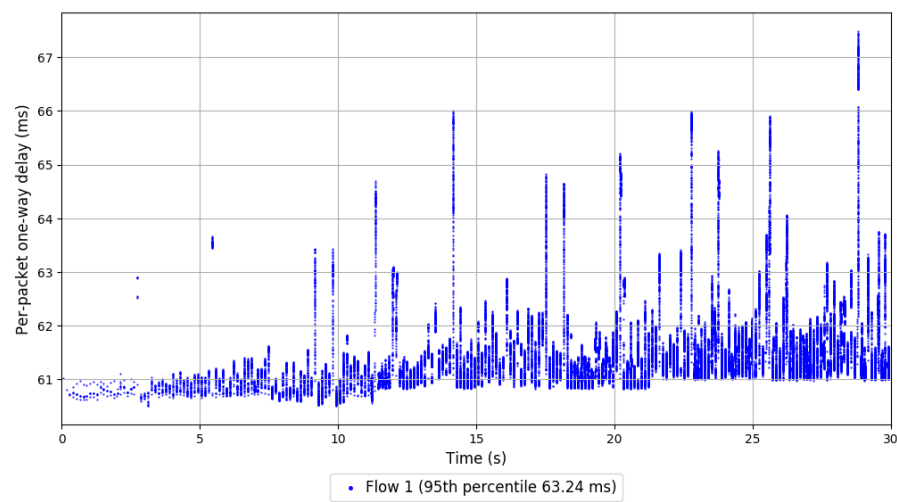
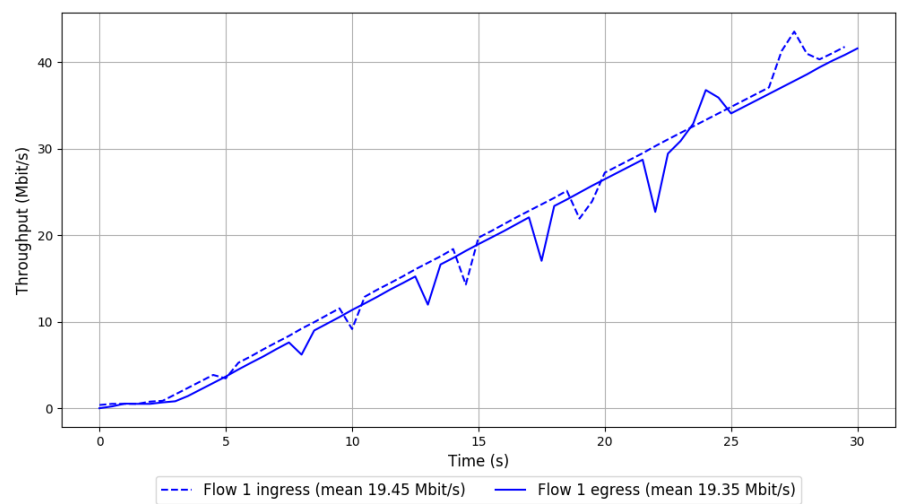
-- Flow 1:

Average throughput: 19.35 Mbit/s

95th percentile per-packet one-way delay: 63.238 ms

Loss rate: 0.90%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-02 16:35:19

End at: 2018-08-02 16:35:49

Local clock offset: -0.036 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 62.493 ms

Loss rate: 0.82%

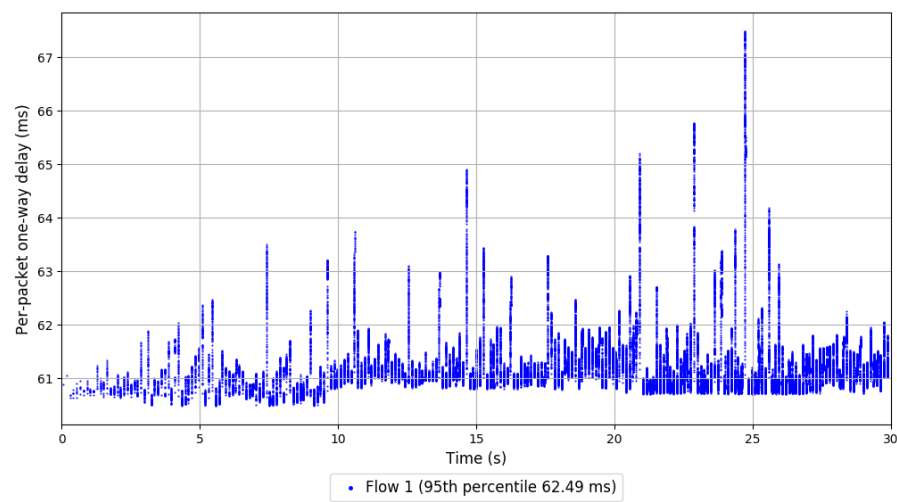
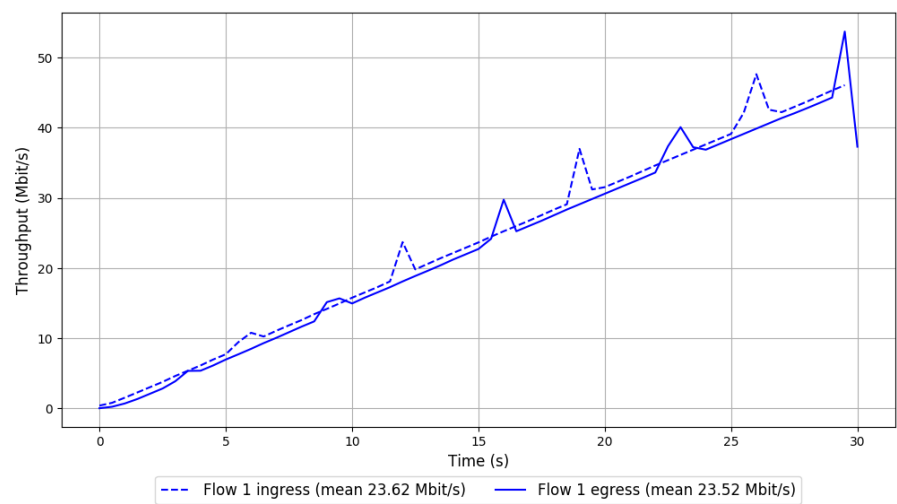
-- Flow 1:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 62.493 ms

Loss rate: 0.82%

Run 7: Report of LEDBAT — Data Link

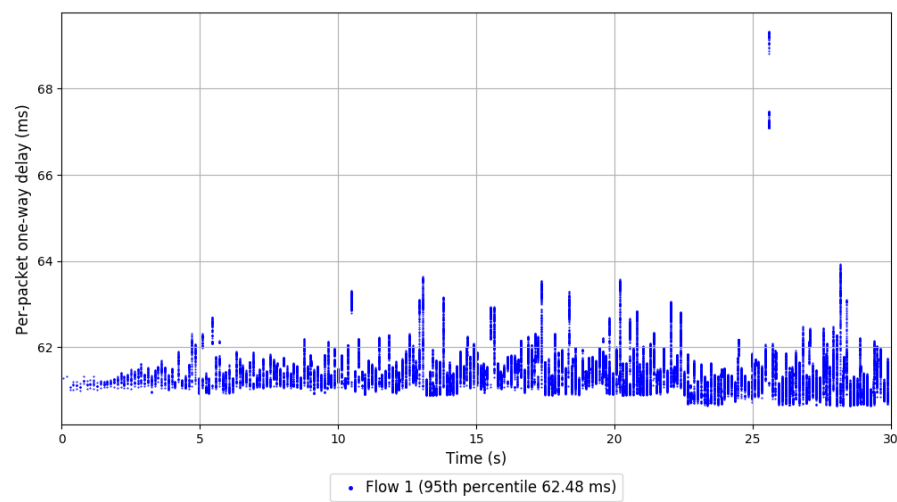
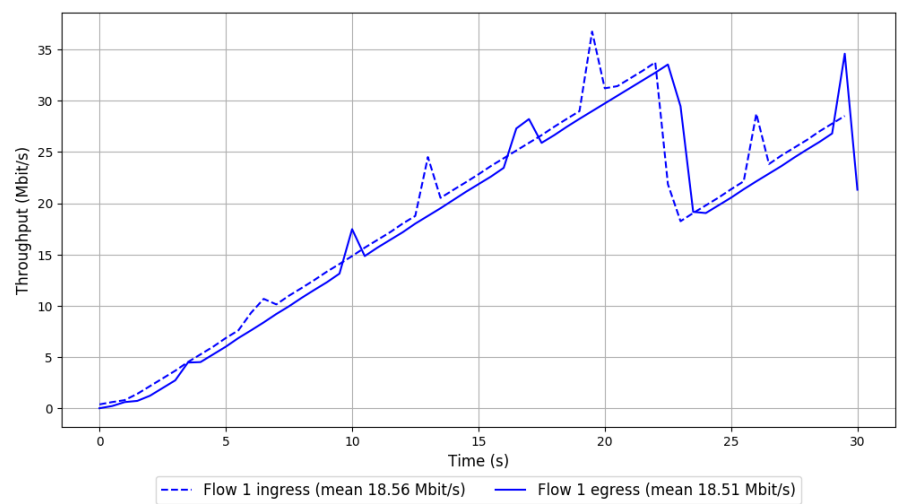


Run 8: Statistics of LEDBAT

Start at: 2018-08-02 16:57:56
End at: 2018-08-02 16:58:26
Local clock offset: -0.099 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 62.482 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 62.482 ms
Loss rate: 0.65%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-02 17:20:24

End at: 2018-08-02 17:20:54

Local clock offset: 62.567 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-08-02 19:29:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 59.485 ms

Loss rate: 0.82%

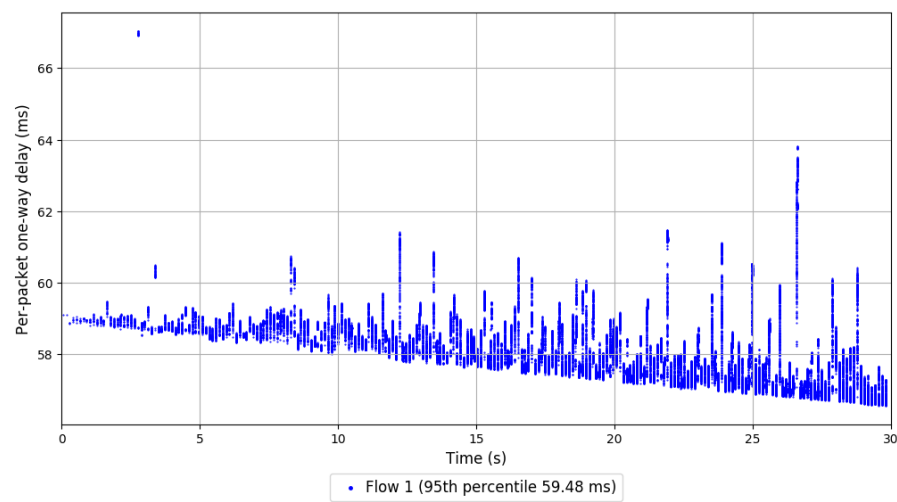
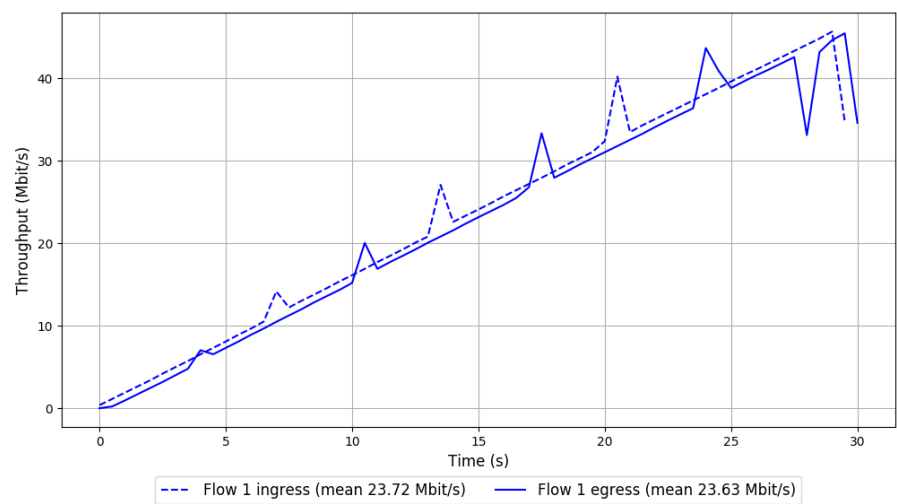
-- Flow 1:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 59.485 ms

Loss rate: 0.82%

Run 9: Report of LEDBAT — Data Link

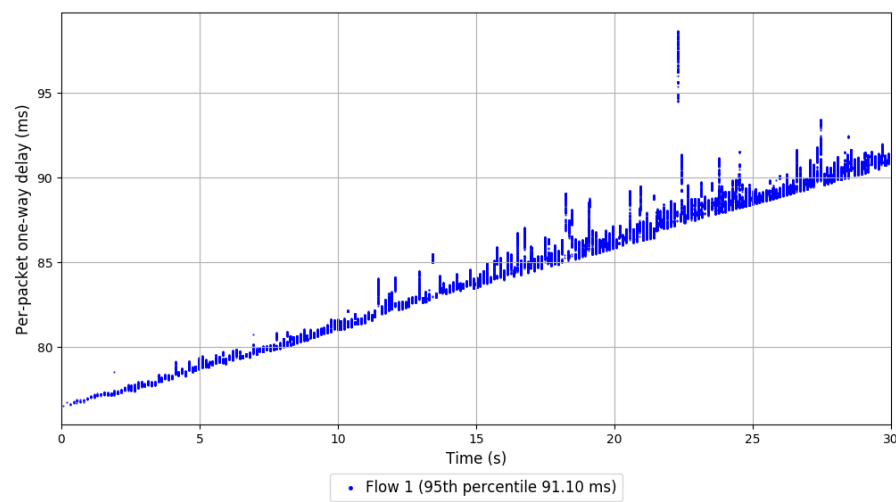
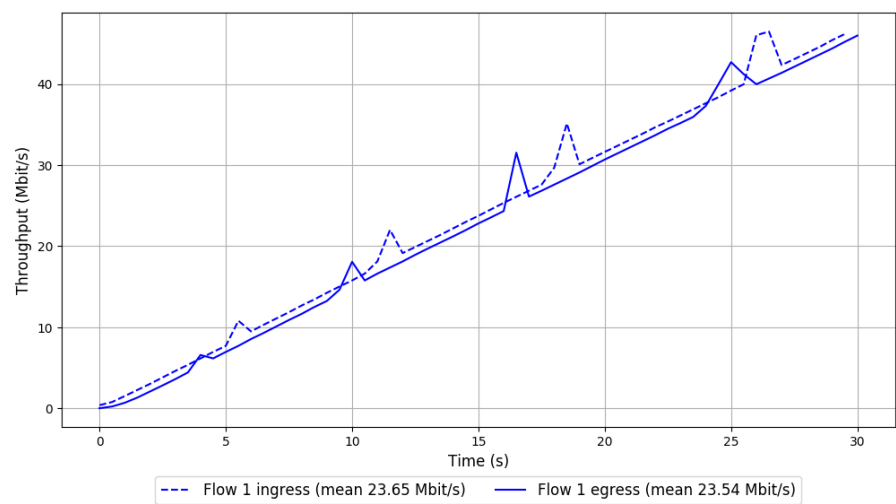


Run 10: Statistics of LEDBAT

Start at: 2018-08-02 17:43:17
End at: 2018-08-02 17:43:47
Local clock offset: 140.985 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-08-02 19:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 91.100 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 91.100 ms
Loss rate: 0.82%

Run 10: Report of LEDBAT — Data Link

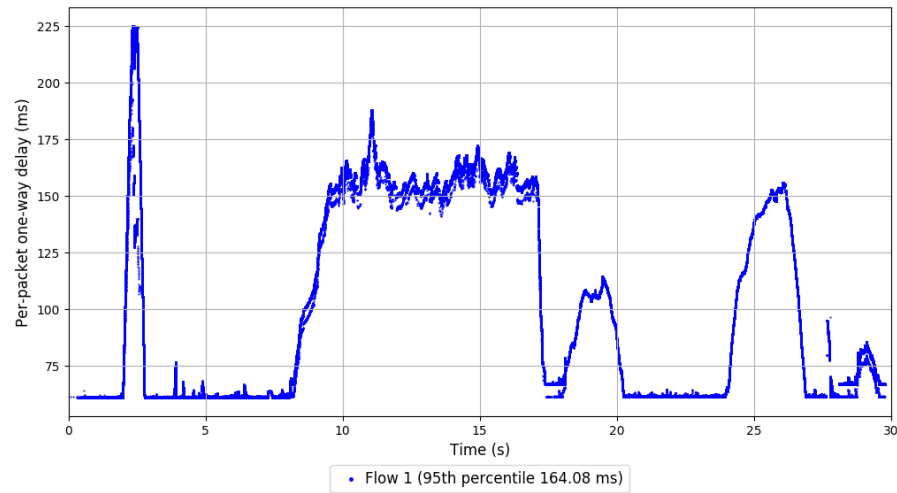
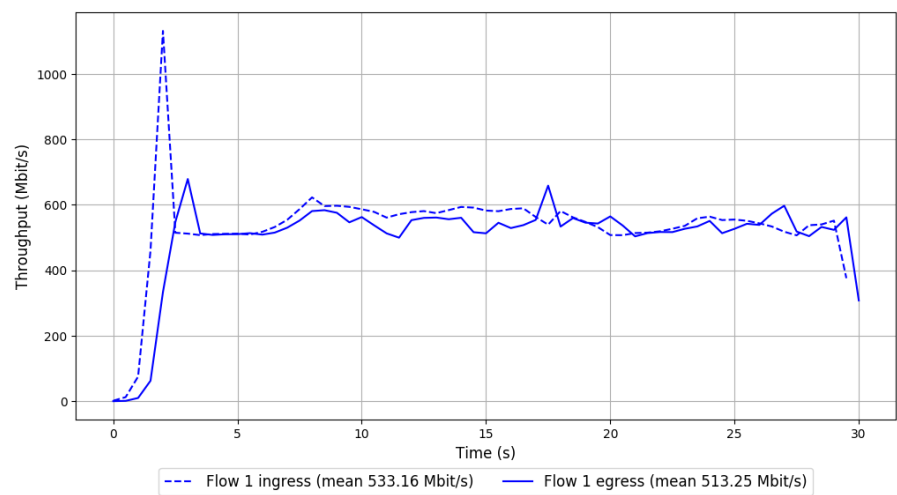


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-02 14:31:10
End at: 2018-08-02 14:31:41
Local clock offset: -0.09 ms
Remote clock offset: -0.527 ms

# Below is generated by plot.py at 2018-08-02 19:30:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 513.25 Mbit/s
95th percentile per-packet one-way delay: 164.079 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 513.25 Mbit/s
95th percentile per-packet one-way delay: 164.079 ms
Loss rate: 4.13%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-02 14:53:17

End at: 2018-08-02 14:53:47

Local clock offset: -0.057 ms

Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-08-02 19:30:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.14 Mbit/s

95th percentile per-packet one-way delay: 150.050 ms

Loss rate: 2.75%

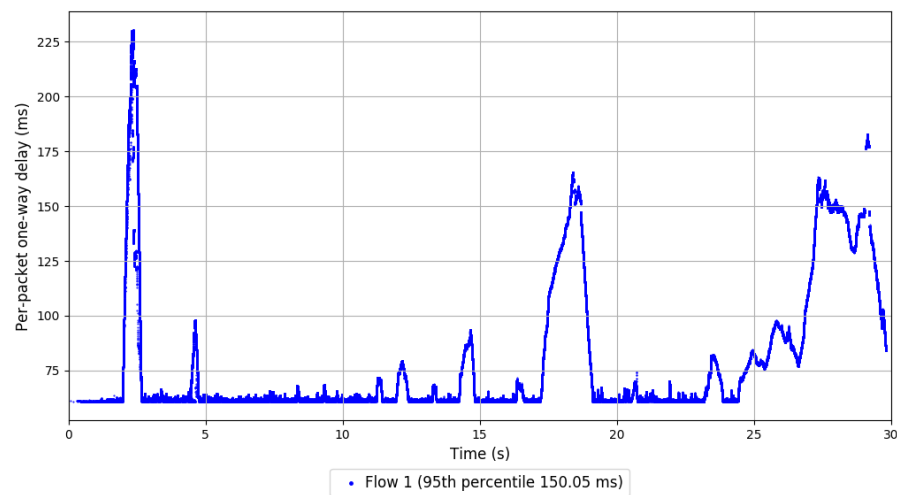
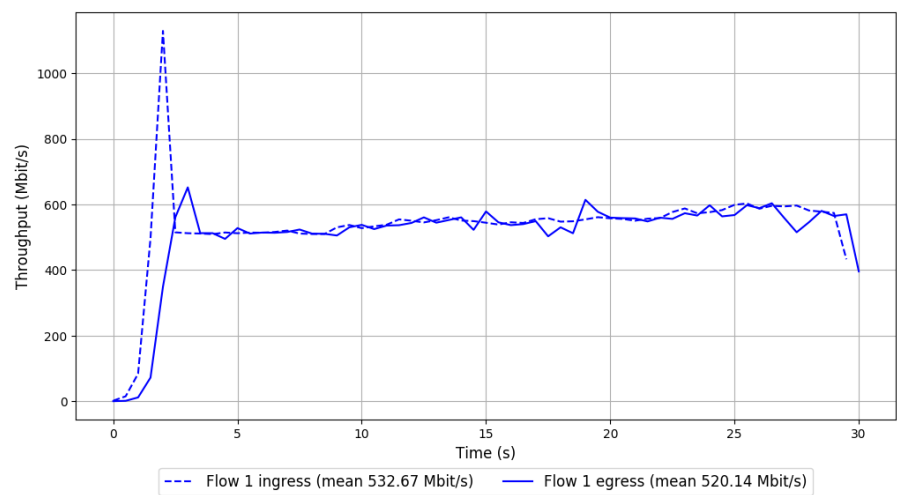
-- Flow 1:

Average throughput: 520.14 Mbit/s

95th percentile per-packet one-way delay: 150.050 ms

Loss rate: 2.75%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-02 15:15:33

End at: 2018-08-02 15:16:03

Local clock offset: 0.002 ms

Remote clock offset: -1.698 ms

Below is generated by plot.py at 2018-08-02 19:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 513.16 Mbit/s

95th percentile per-packet one-way delay: 134.578 ms

Loss rate: 3.51%

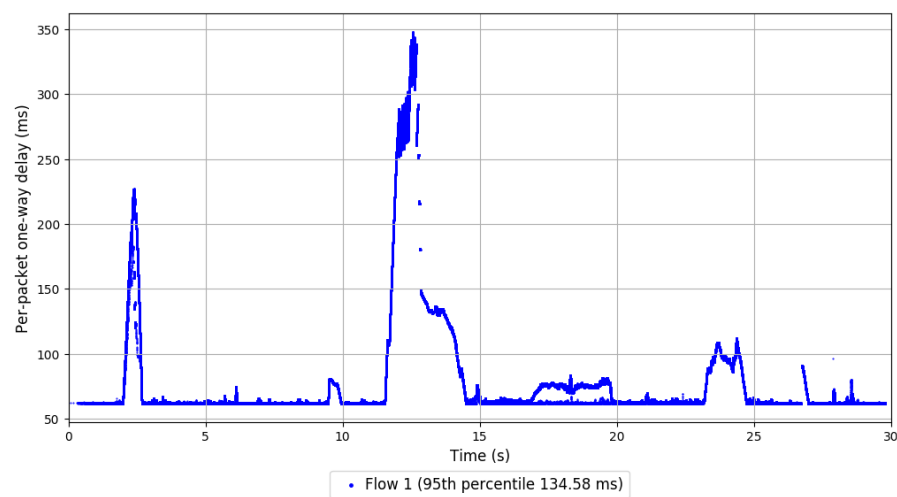
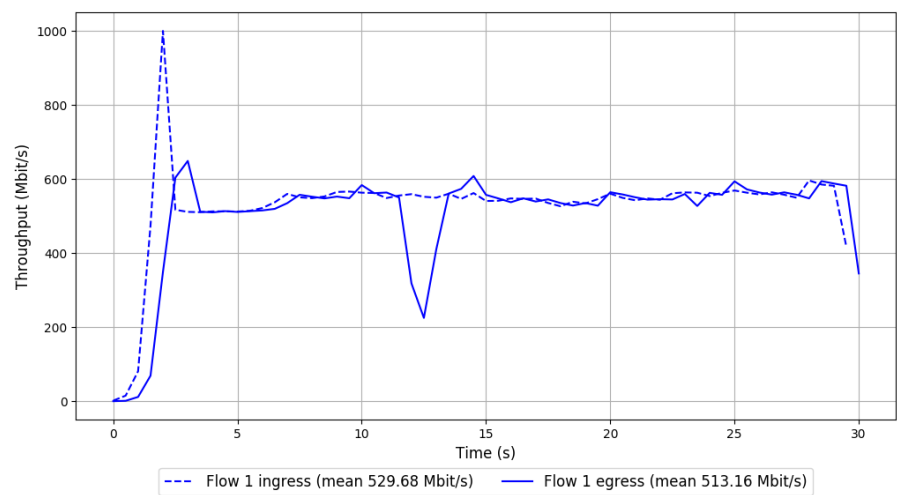
-- Flow 1:

Average throughput: 513.16 Mbit/s

95th percentile per-packet one-way delay: 134.578 ms

Loss rate: 3.51%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-02 15:38:06

End at: 2018-08-02 15:38:36

Local clock offset: -0.041 ms

Remote clock offset: -0.57 ms

Below is generated by plot.py at 2018-08-02 19:31:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.74 Mbit/s

95th percentile per-packet one-way delay: 153.405 ms

Loss rate: 3.95%

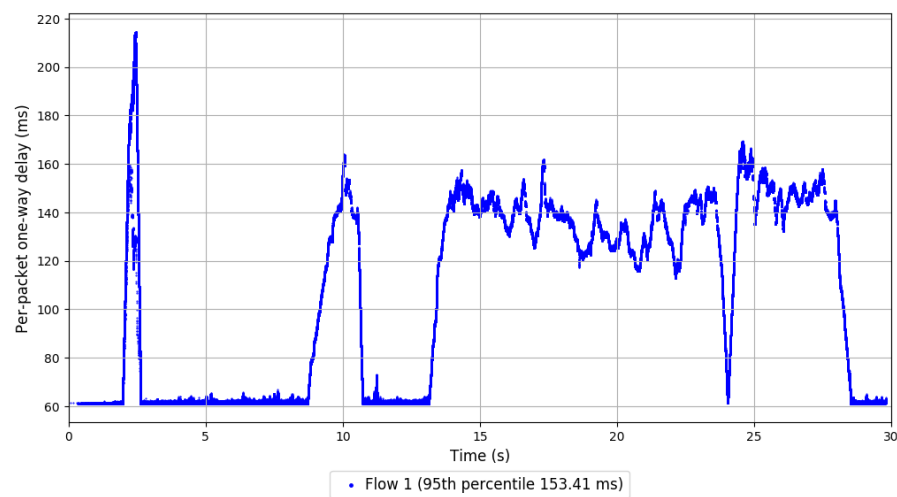
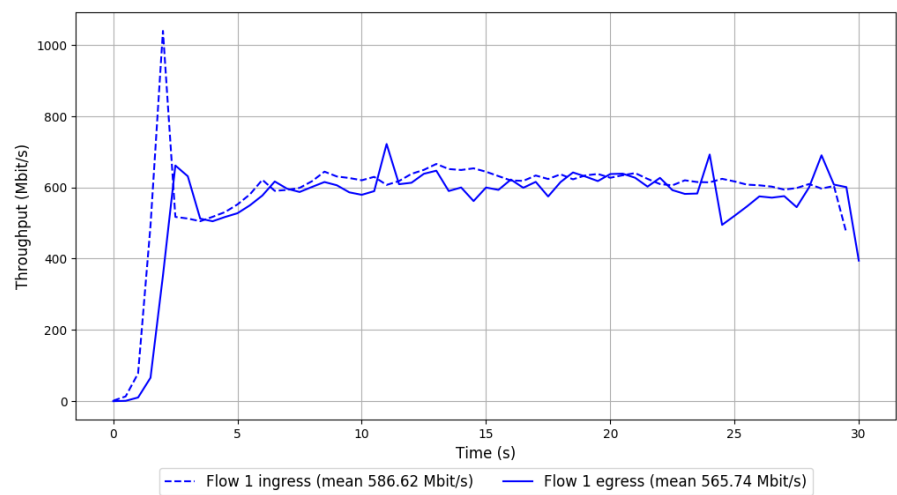
-- Flow 1:

Average throughput: 565.74 Mbit/s

95th percentile per-packet one-way delay: 153.405 ms

Loss rate: 3.95%

Run 4: Report of PCC-Allegro — Data Link

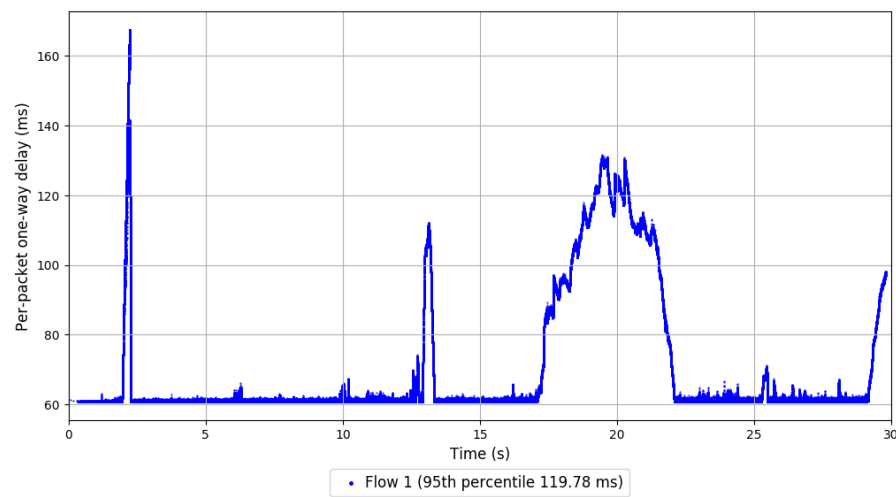
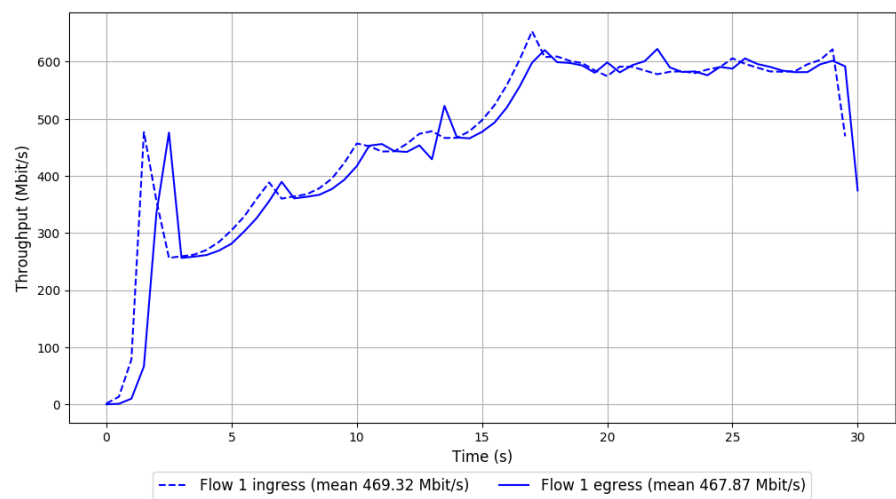


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-02 16:00:50
End at: 2018-08-02 16:01:20
Local clock offset: -0.037 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-02 19:33:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 467.87 Mbit/s
95th percentile per-packet one-way delay: 119.780 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 467.87 Mbit/s
95th percentile per-packet one-way delay: 119.780 ms
Loss rate: 0.74%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-02 16:23:24

End at: 2018-08-02 16:23:54

Local clock offset: -0.015 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-02 19:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.92 Mbit/s

95th percentile per-packet one-way delay: 142.289 ms

Loss rate: 3.30%

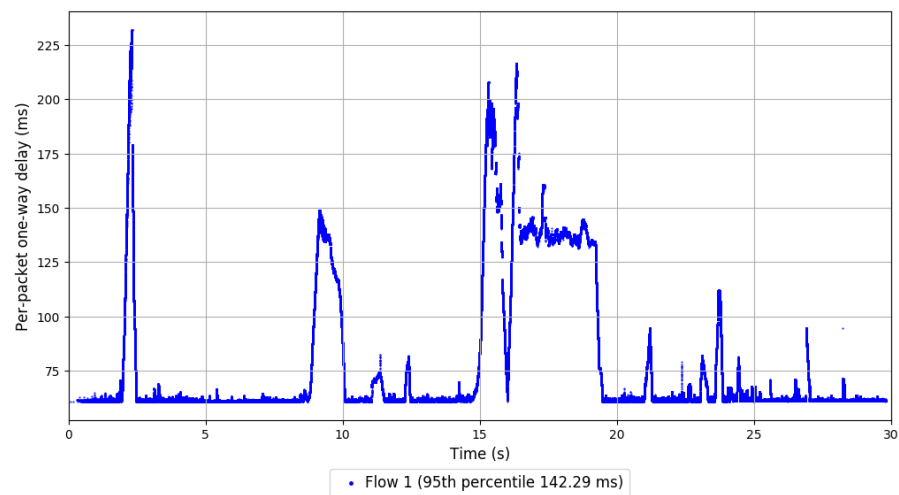
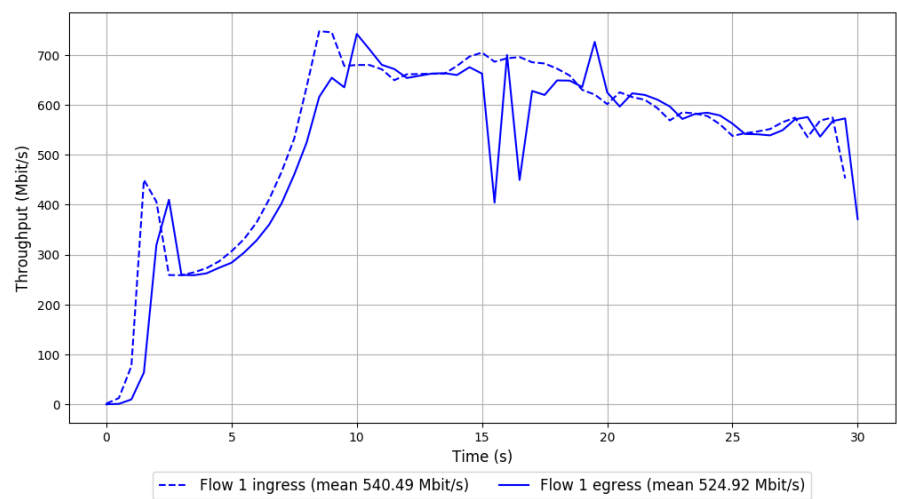
-- Flow 1:

Average throughput: 524.92 Mbit/s

95th percentile per-packet one-way delay: 142.289 ms

Loss rate: 3.30%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-02 16:46:06

End at: 2018-08-02 16:46:36

Local clock offset: -0.07 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-02 19:37:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.83 Mbit/s

95th percentile per-packet one-way delay: 139.887 ms

Loss rate: 2.06%

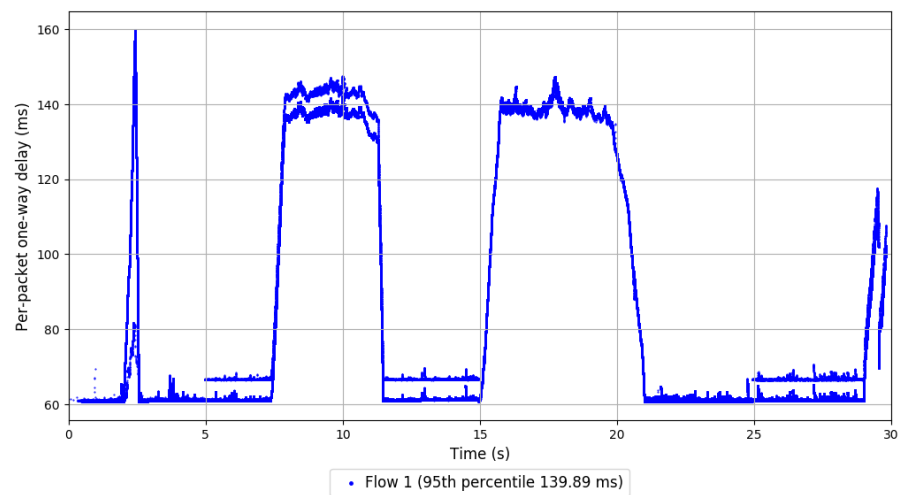
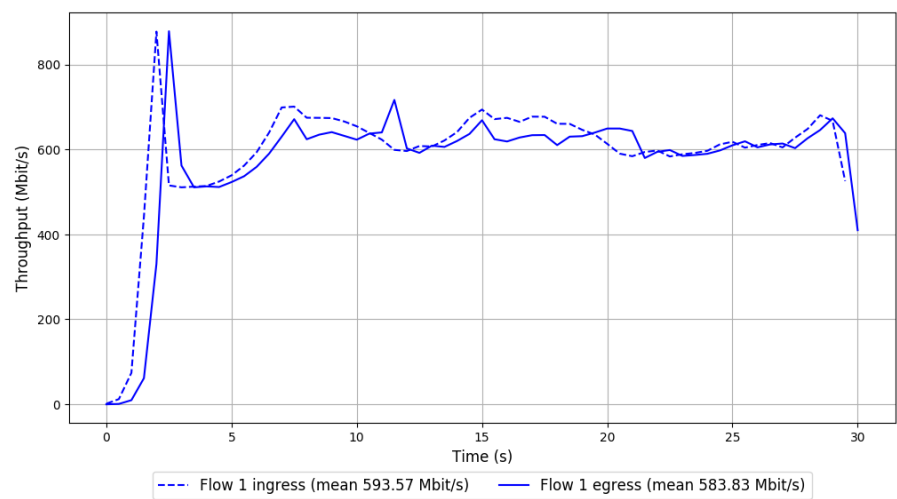
-- Flow 1:

Average throughput: 583.83 Mbit/s

95th percentile per-packet one-way delay: 139.887 ms

Loss rate: 2.06%

Run 7: Report of PCC-Allegro — Data Link

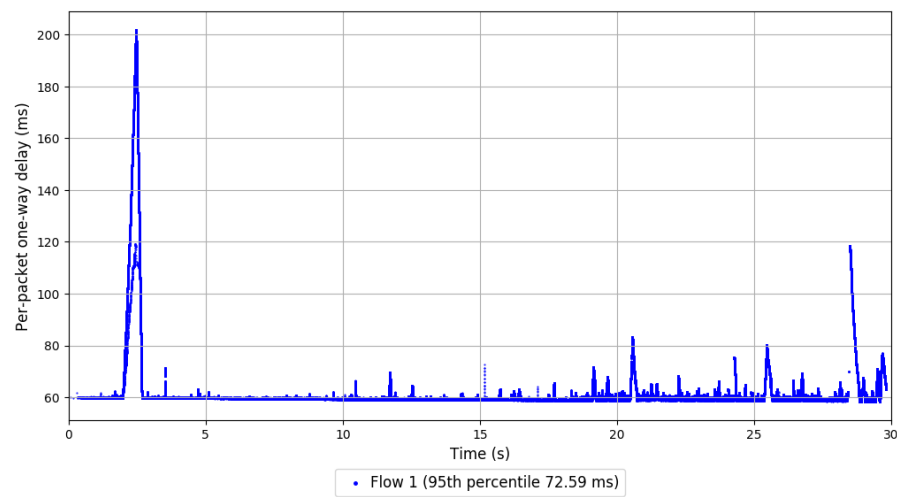
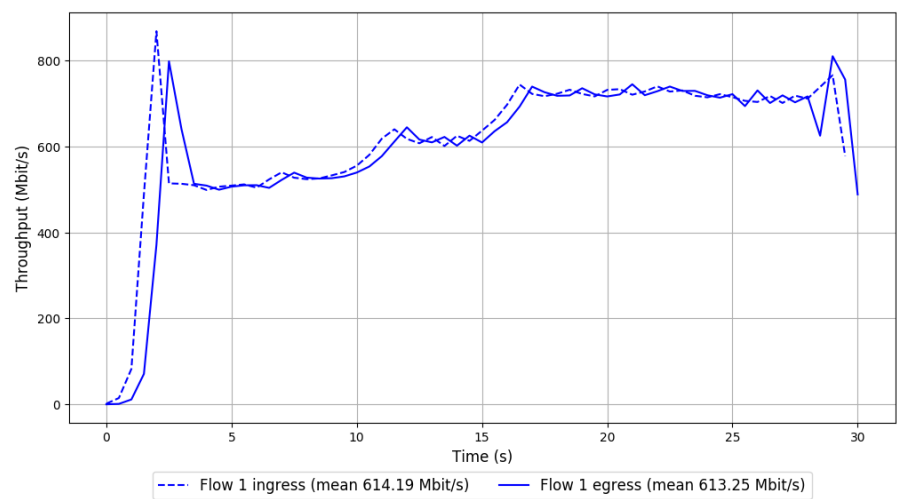


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-02 17:08:30
End at: 2018-08-02 17:09:00
Local clock offset: 19.105 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-02 19:40:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 613.25 Mbit/s
95th percentile per-packet one-way delay: 72.595 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 613.25 Mbit/s
95th percentile per-packet one-way delay: 72.595 ms
Loss rate: 0.59%

Run 8: Report of PCC-Allegro — Data Link

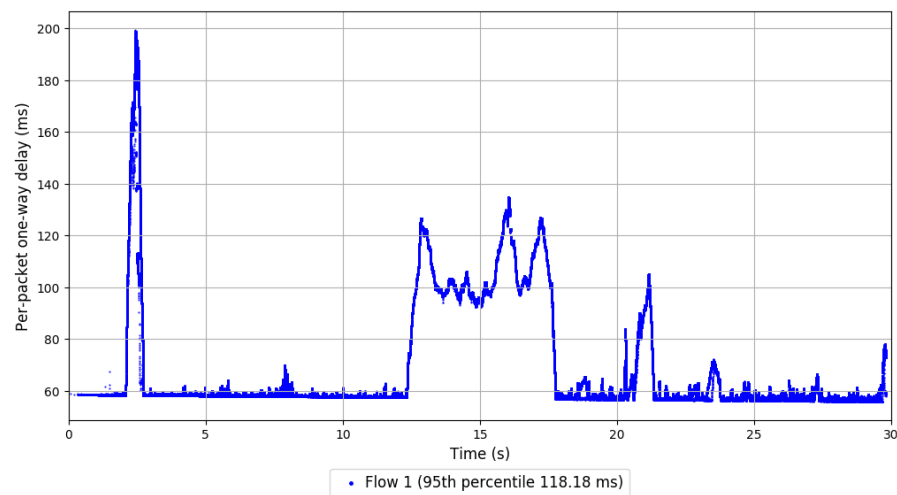
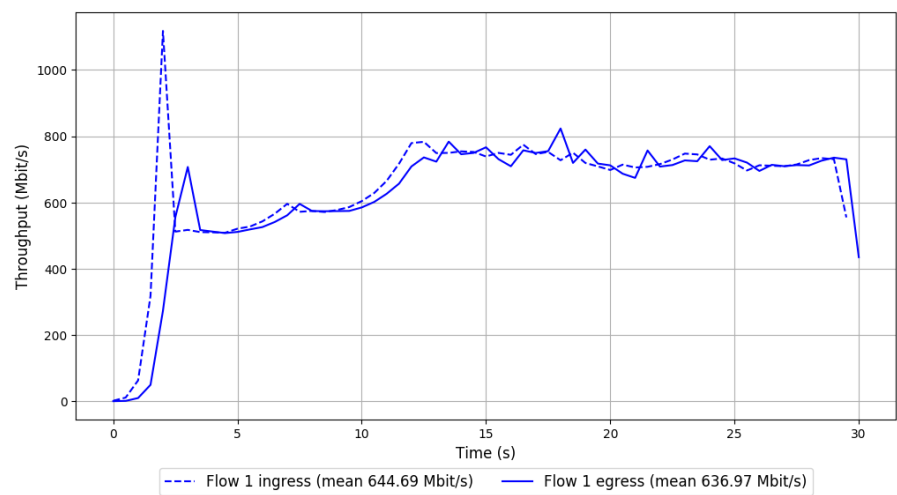


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-02 17:31:24
End at: 2018-08-02 17:31:54
Local clock offset: 112.649 ms
Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-02 19:41:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 636.97 Mbit/s
95th percentile per-packet one-way delay: 118.180 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 636.97 Mbit/s
95th percentile per-packet one-way delay: 118.180 ms
Loss rate: 1.61%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-02 17:54:13

End at: 2018-08-02 17:54:43

Local clock offset: 9.14 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-02 19:41:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 620.99 Mbit/s

95th percentile per-packet one-way delay: 131.675 ms

Loss rate: 1.63%

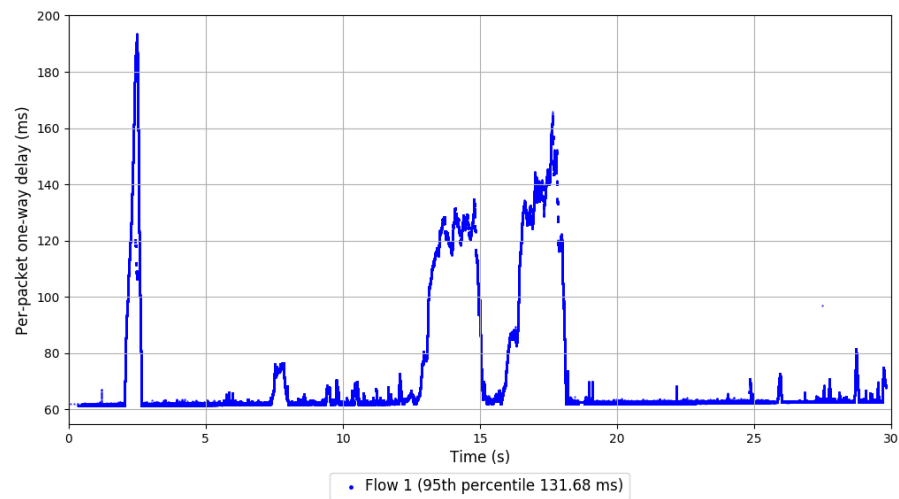
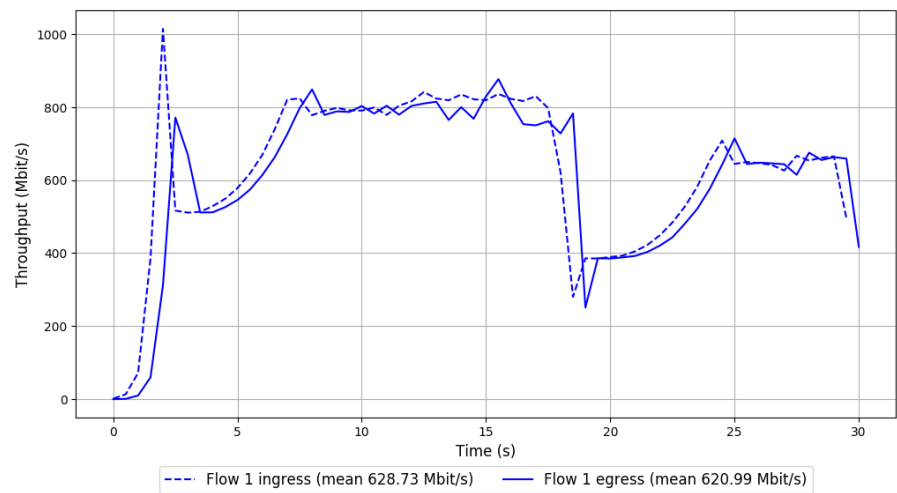
-- Flow 1:

Average throughput: 620.99 Mbit/s

95th percentile per-packet one-way delay: 131.675 ms

Loss rate: 1.63%

Run 10: Report of PCC-Allegro — Data Link

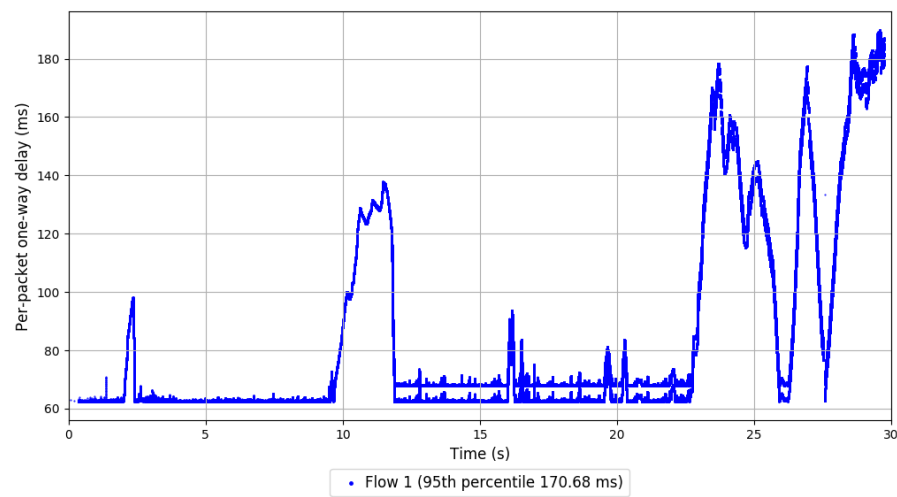
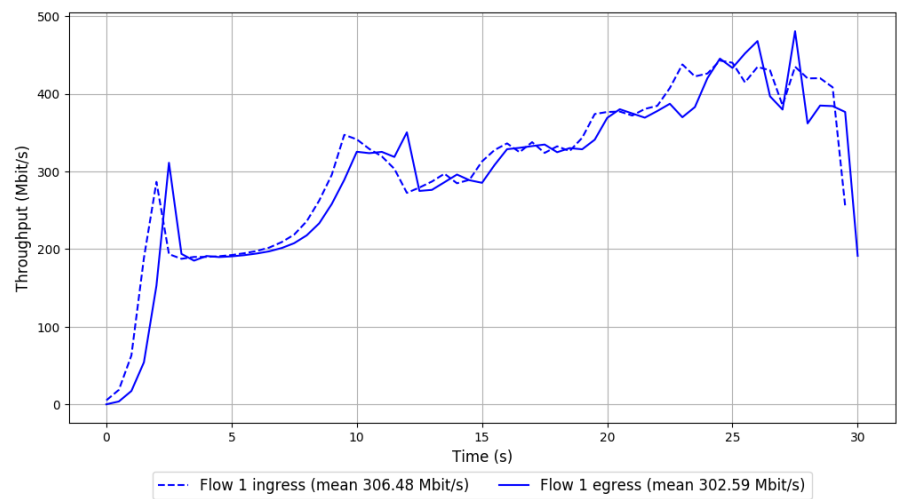


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-02 14:22:57
End at: 2018-08-02 14:23:27
Local clock offset: -0.088 ms
Remote clock offset: -1.796 ms

# Below is generated by plot.py at 2018-08-02 19:41:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.59 Mbit/s
95th percentile per-packet one-way delay: 170.676 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 302.59 Mbit/s
95th percentile per-packet one-way delay: 170.676 ms
Loss rate: 1.68%
```


Run 1: Report of PCC-Expr — Data Link

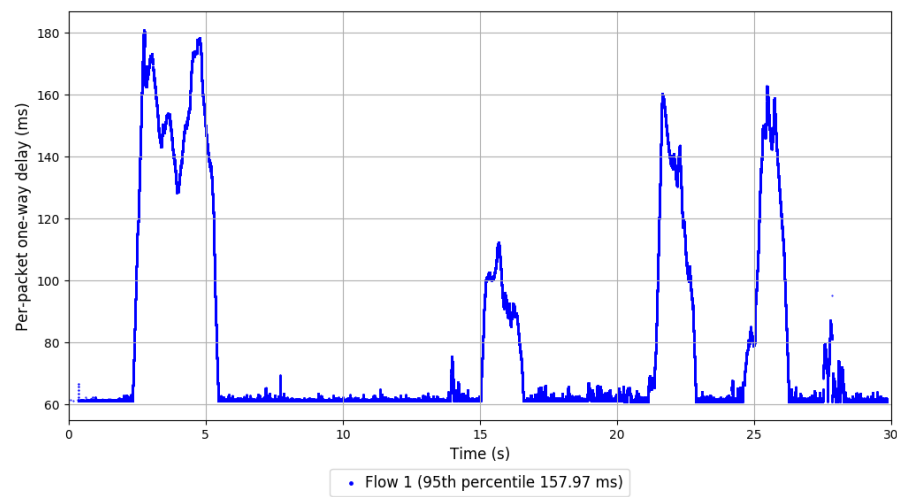
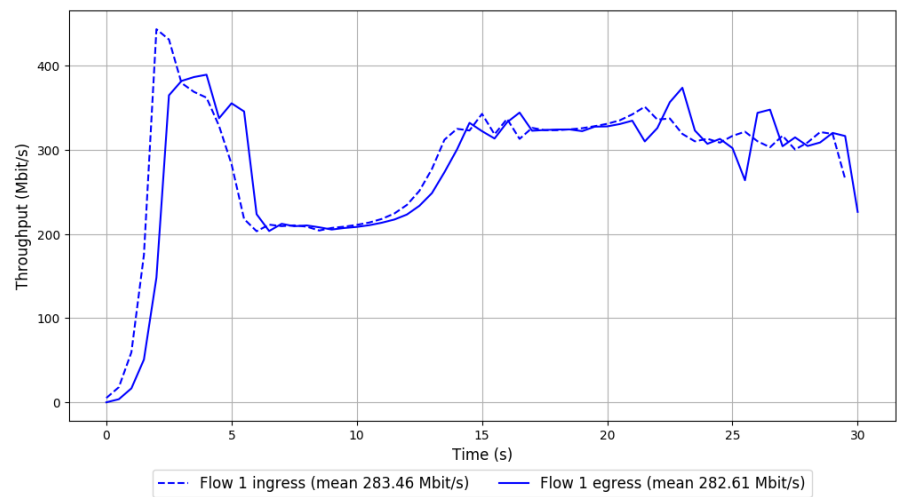


Run 2: Statistics of PCC-Expr

Start at: 2018-08-02 14:45:08
End at: 2018-08-02 14:45:38
Local clock offset: -0.074 ms
Remote clock offset: -0.649 ms

Below is generated by plot.py at 2018-08-02 19:41:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.61 Mbit/s
95th percentile per-packet one-way delay: 157.971 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 282.61 Mbit/s
95th percentile per-packet one-way delay: 157.971 ms
Loss rate: 0.71%

Run 2: Report of PCC-Expr — Data Link

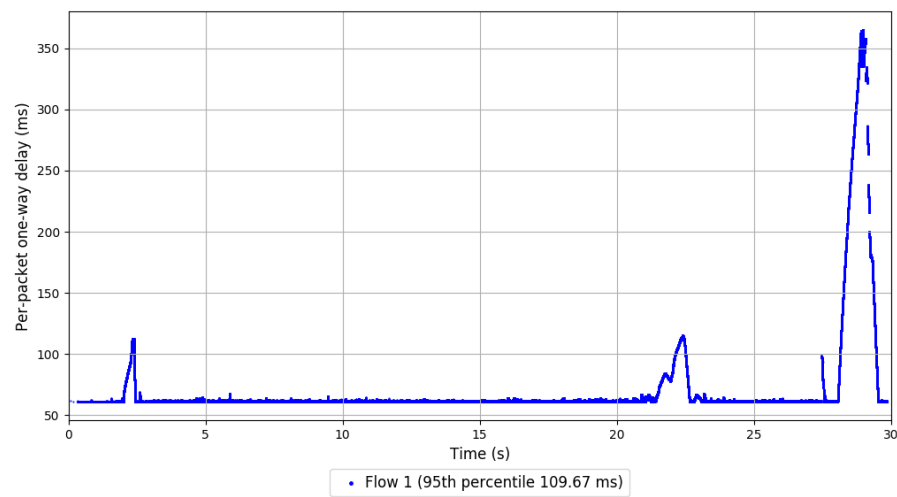
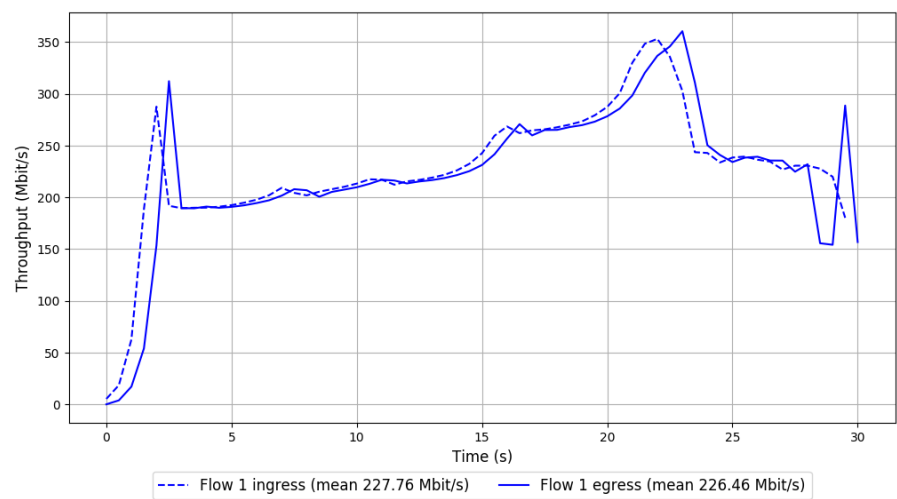


Run 3: Statistics of PCC-Expr

Start at: 2018-08-02 15:07:16
End at: 2018-08-02 15:07:46
Local clock offset: 0.002 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-08-02 19:41:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.46 Mbit/s
95th percentile per-packet one-way delay: 109.672 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 226.46 Mbit/s
95th percentile per-packet one-way delay: 109.672 ms
Loss rate: 0.98%

Run 3: Report of PCC-Expr — Data Link

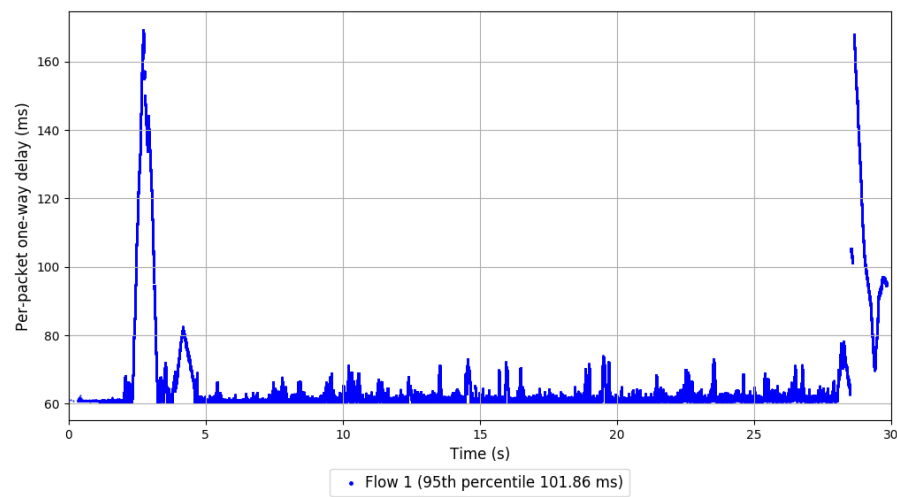
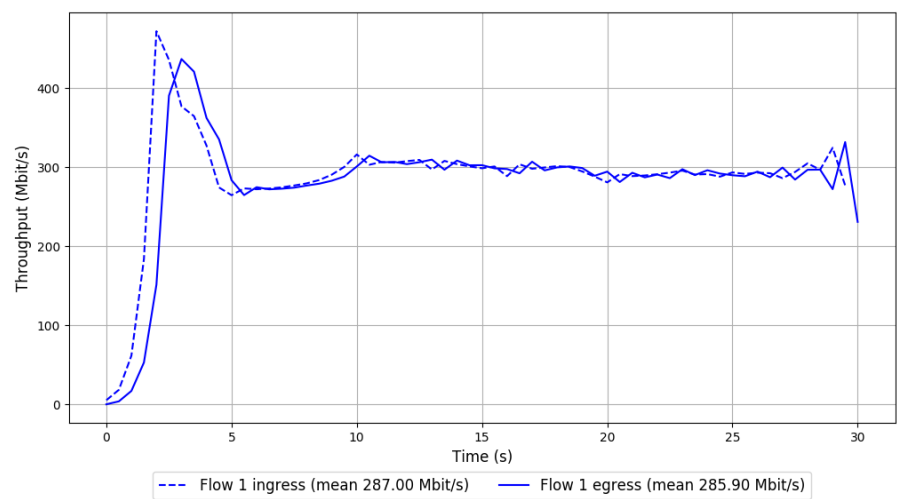


Run 4: Statistics of PCC-Expr

Start at: 2018-08-02 15:29:37
End at: 2018-08-02 15:30:07
Local clock offset: -0.002 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-02 19:44:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 285.90 Mbit/s
95th percentile per-packet one-way delay: 101.865 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 285.90 Mbit/s
95th percentile per-packet one-way delay: 101.865 ms
Loss rate: 0.79%

Run 4: Report of PCC-Expr — Data Link

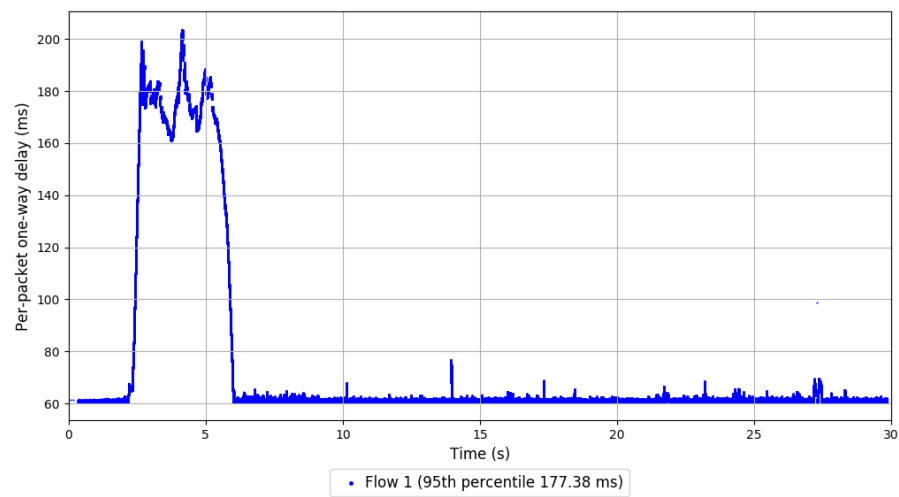
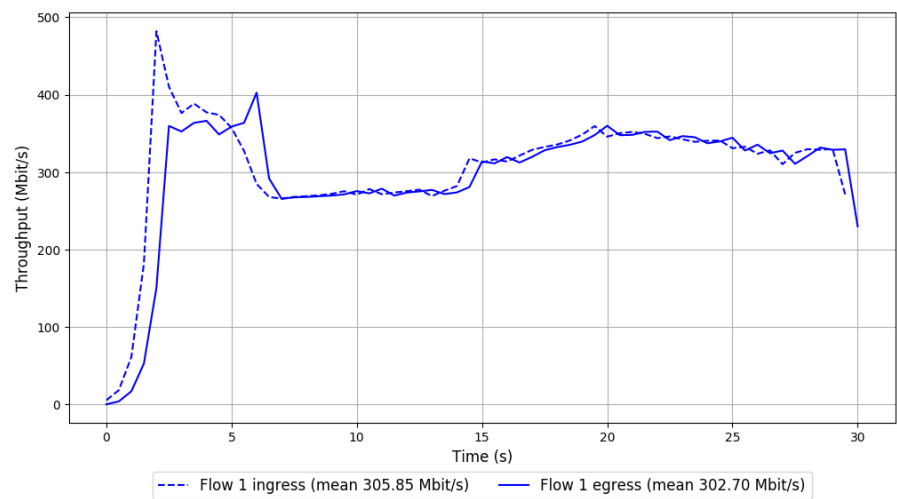


Run 5: Statistics of PCC-Expr

Start at: 2018-08-02 15:52:17
End at: 2018-08-02 15:52:47
Local clock offset: -0.056 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-02 19:48:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.70 Mbit/s
95th percentile per-packet one-way delay: 177.376 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 302.70 Mbit/s
95th percentile per-packet one-way delay: 177.376 ms
Loss rate: 1.44%

Run 5: Report of PCC-Expr — Data Link

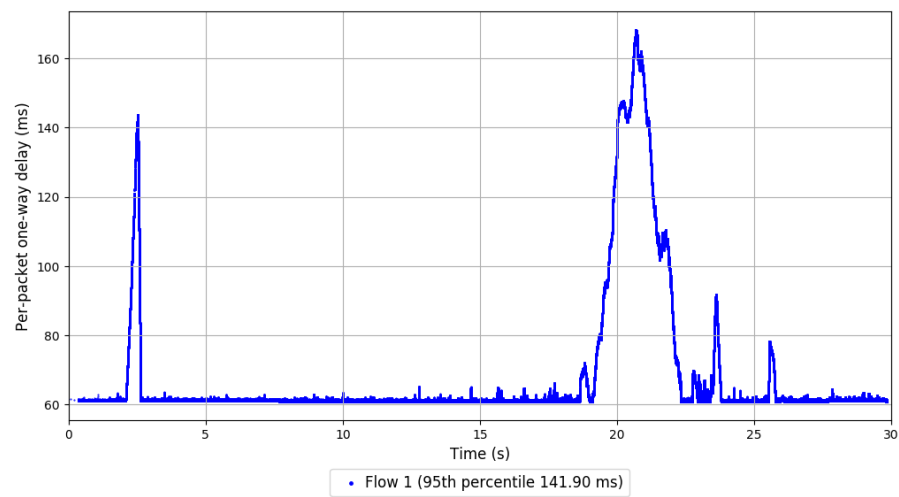
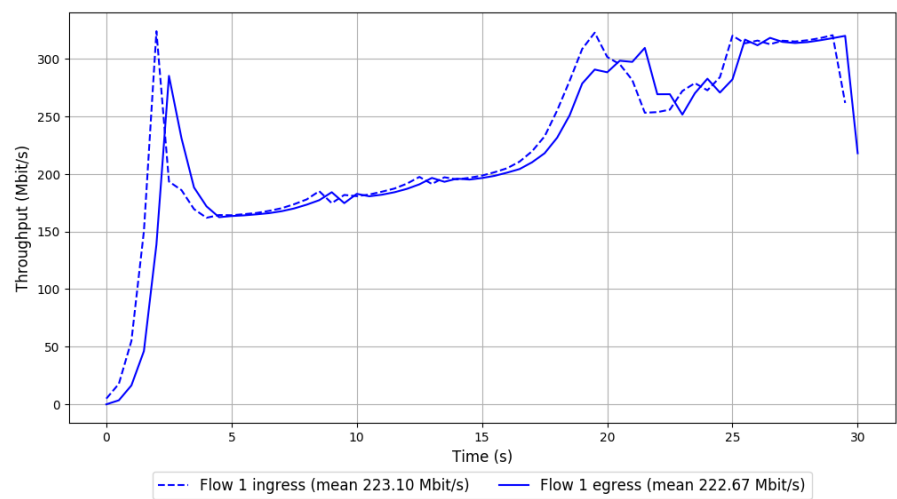


Run 6: Statistics of PCC-Expr

Start at: 2018-08-02 16:14:51
End at: 2018-08-02 16:15:21
Local clock offset: -0.002 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-02 19:48:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.67 Mbit/s
95th percentile per-packet one-way delay: 141.899 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 222.67 Mbit/s
95th percentile per-packet one-way delay: 141.899 ms
Loss rate: 0.62%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-02 16:37:33

End at: 2018-08-02 16:38:03

Local clock offset: -0.042 ms

Remote clock offset: -1.3 ms

Below is generated by plot.py at 2018-08-02 19:50:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.98 Mbit/s

95th percentile per-packet one-way delay: 185.741 ms

Loss rate: 1.09%

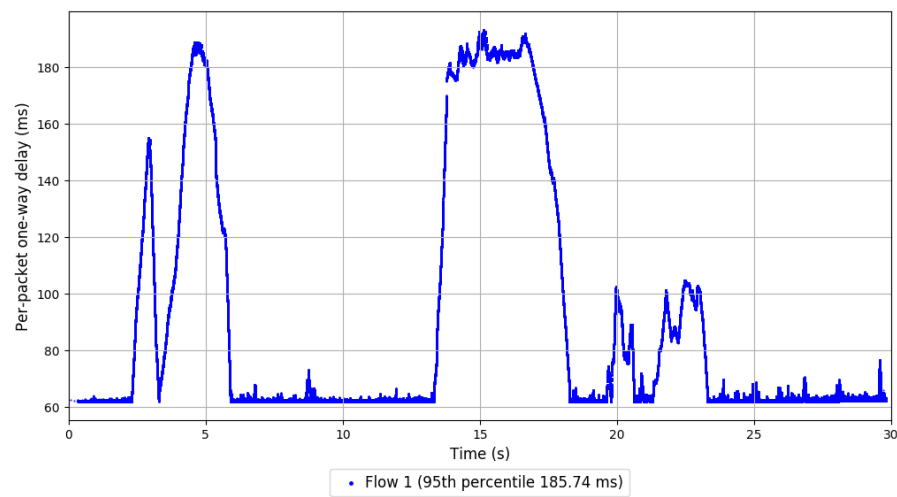
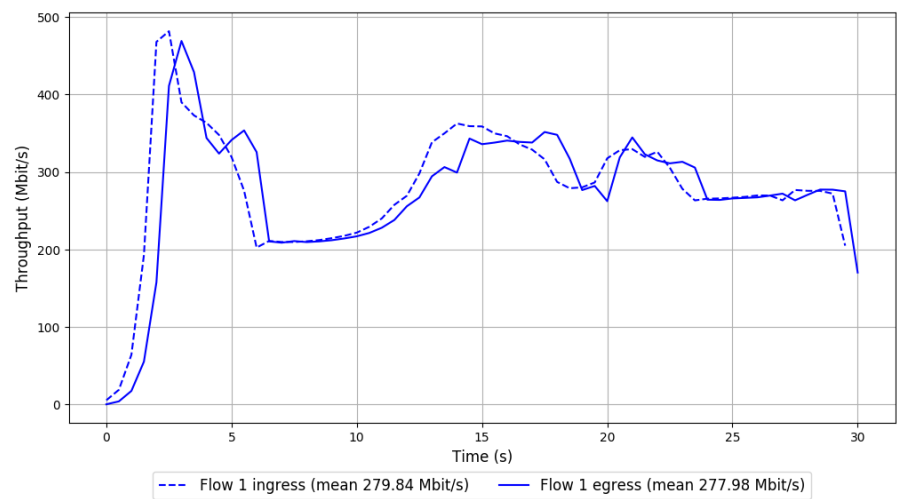
-- Flow 1:

Average throughput: 277.98 Mbit/s

95th percentile per-packet one-way delay: 185.741 ms

Loss rate: 1.09%

Run 7: Report of PCC-Expr — Data Link

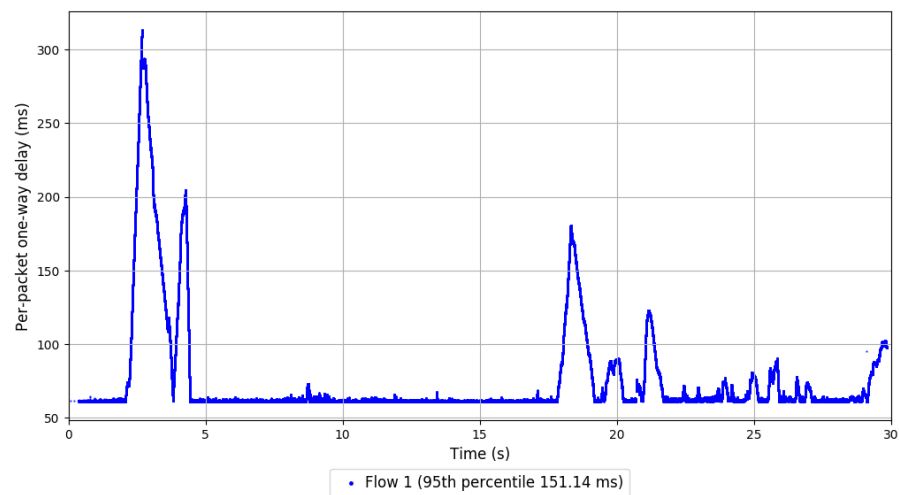
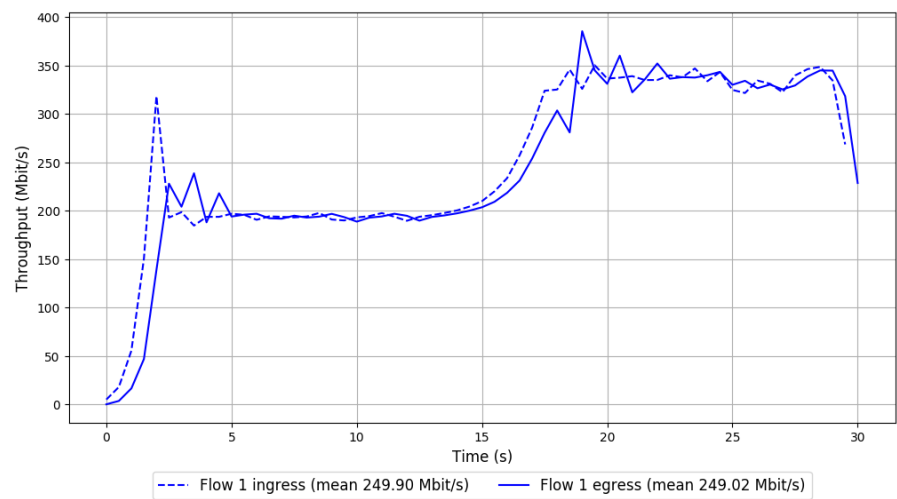


Run 8: Statistics of PCC-Expr

Start at: 2018-08-02 17:00:10
End at: 2018-08-02 17:00:40
Local clock offset: -0.11 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-02 19:50:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.02 Mbit/s
95th percentile per-packet one-way delay: 151.137 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 249.02 Mbit/s
95th percentile per-packet one-way delay: 151.137 ms
Loss rate: 0.76%

Run 8: Report of PCC-Expr — Data Link

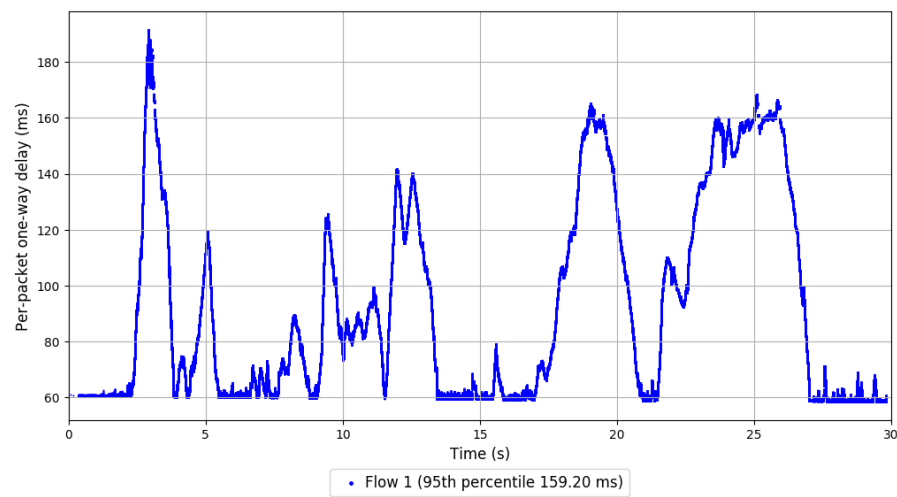
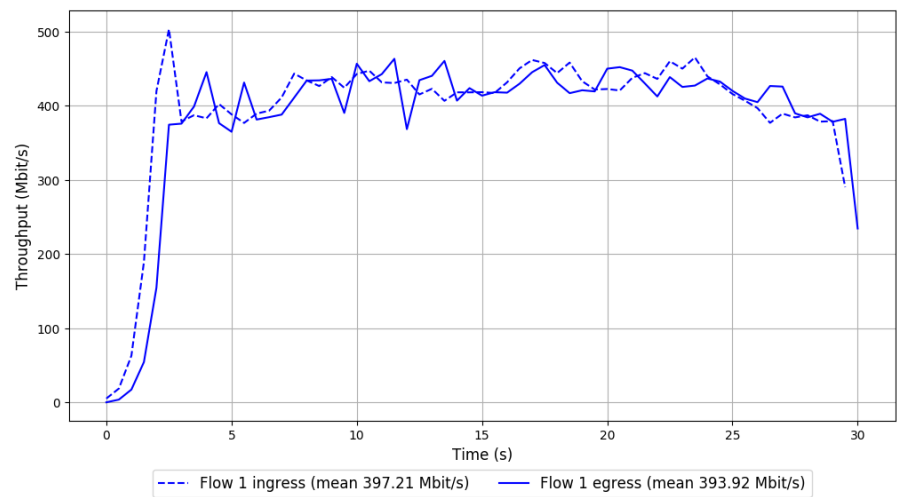


Run 9: Statistics of PCC-Expr

Start at: 2018-08-02 17:22:37
End at: 2018-08-02 17:23:07
Local clock offset: 73.031 ms
Remote clock offset: -1.313 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 393.92 Mbit/s
95th percentile per-packet one-way delay: 159.201 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 393.92 Mbit/s
95th percentile per-packet one-way delay: 159.201 ms
Loss rate: 1.24%

Run 9: Report of PCC-Expr — Data Link

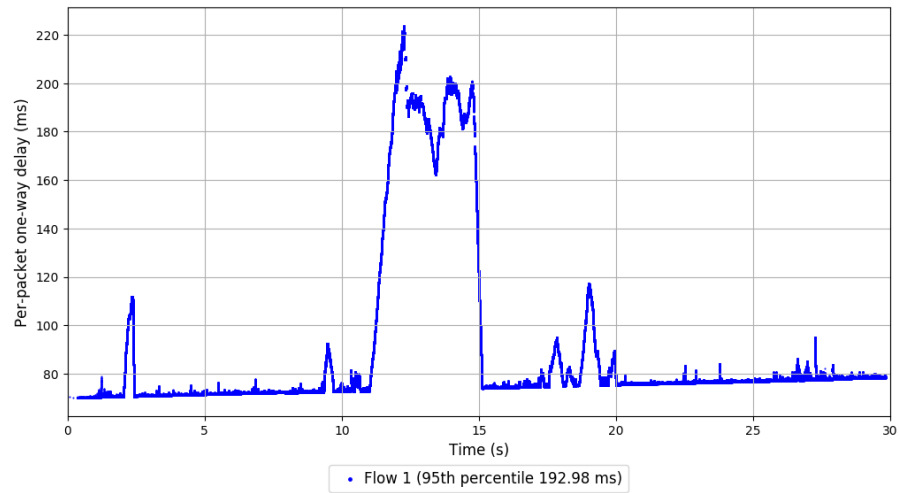
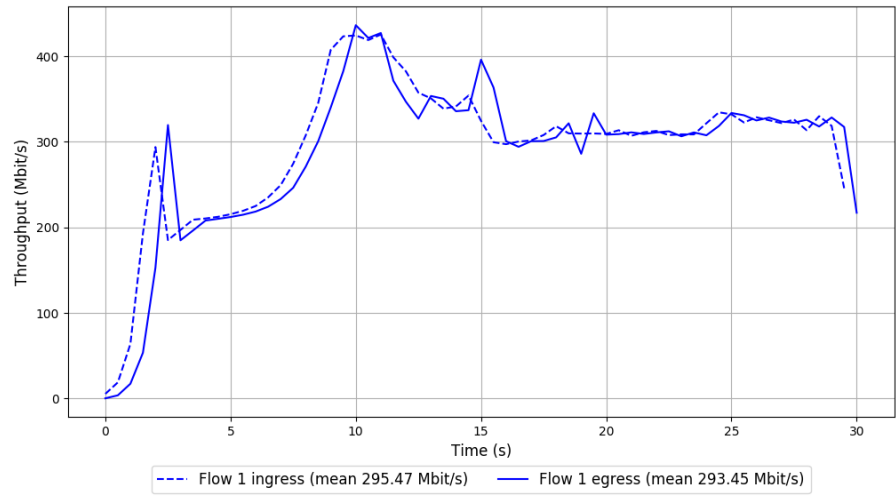


Run 10: Statistics of PCC-Expr

Start at: 2018-08-02 17:45:31
End at: 2018-08-02 17:46:01
Local clock offset: 83.072 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.45 Mbit/s
95th percentile per-packet one-way delay: 192.983 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 293.45 Mbit/s
95th percentile per-packet one-way delay: 192.983 ms
Loss rate: 1.06%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

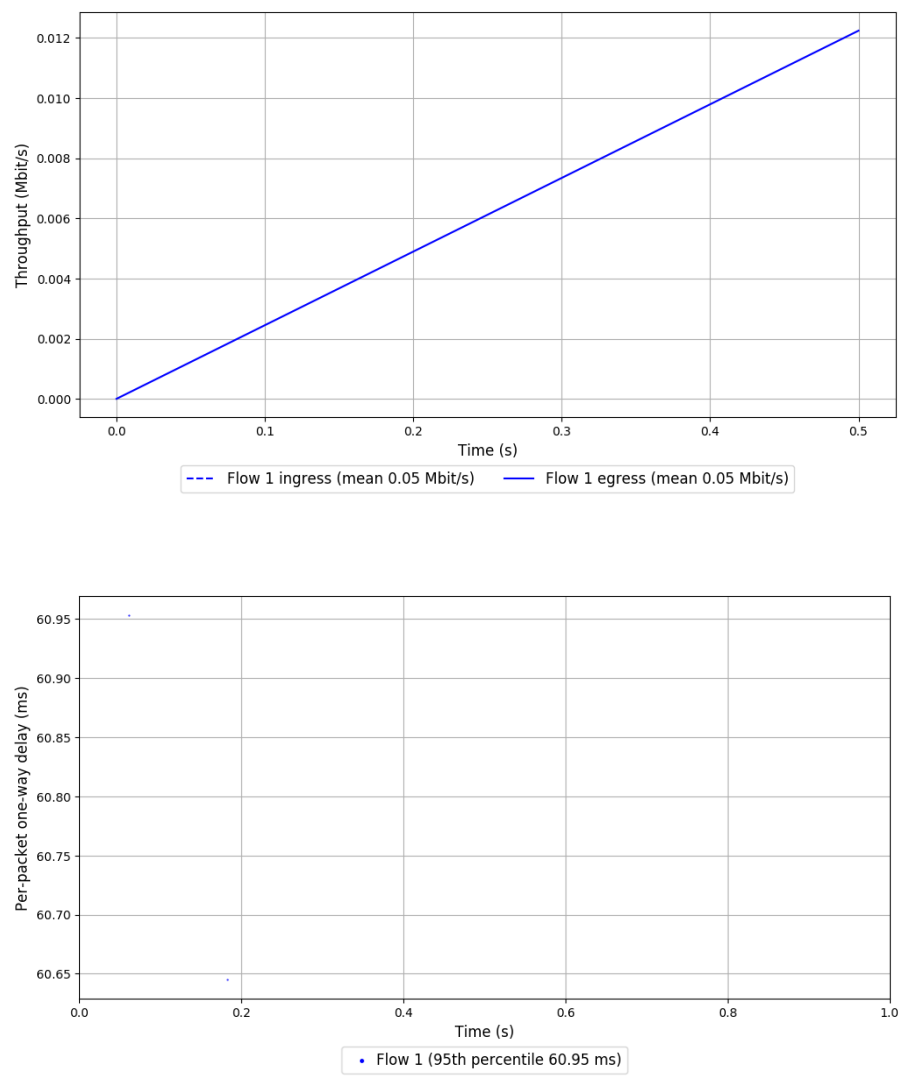
Start at: 2018-08-02 14:25:30

End at: 2018-08-02 14:26:00

Local clock offset: -0.106 ms

Remote clock offset: -0.185 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

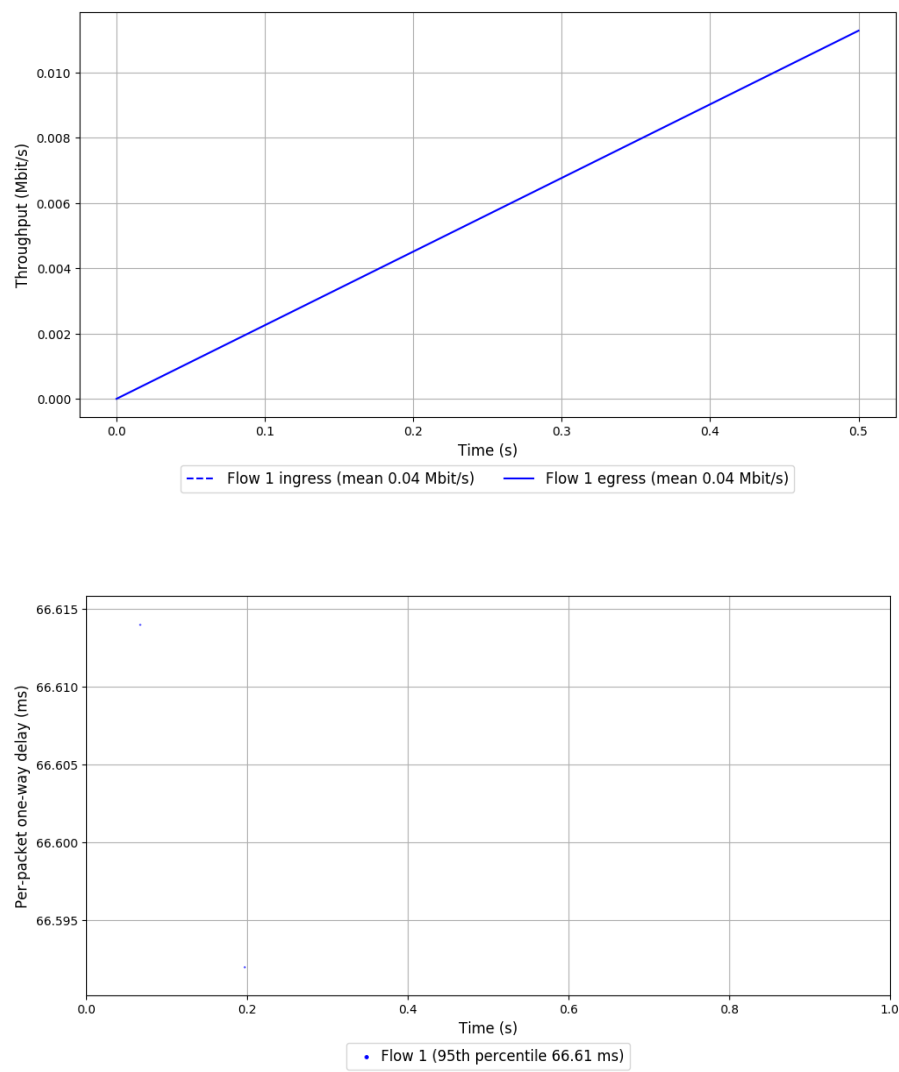
Start at: 2018-08-02 14:47:45

End at: 2018-08-02 14:48:15

Local clock offset: -0.056 ms

Remote clock offset: -0.258 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-02 15:09:48

End at: 2018-08-02 15:10:18

Local clock offset: 0.044 ms

Remote clock offset: -0.584 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.91 Mbit/s

95th percentile per-packet one-way delay: 61.342 ms

Loss rate: 0.54%

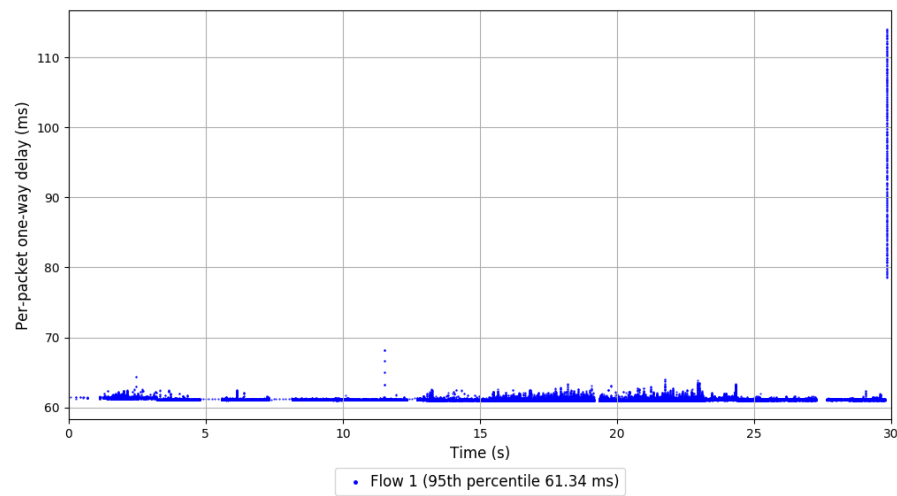
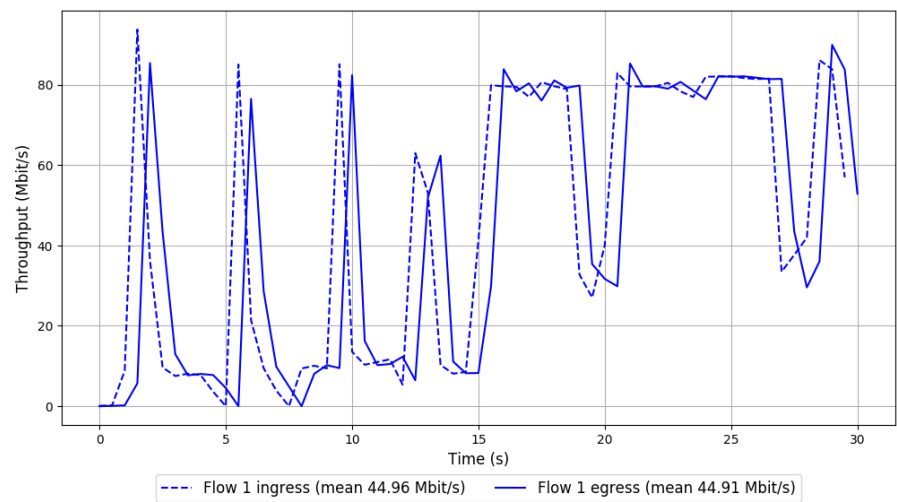
-- Flow 1:

Average throughput: 44.91 Mbit/s

95th percentile per-packet one-way delay: 61.342 ms

Loss rate: 0.54%

Run 3: Report of QUIC Cubic — Data Link

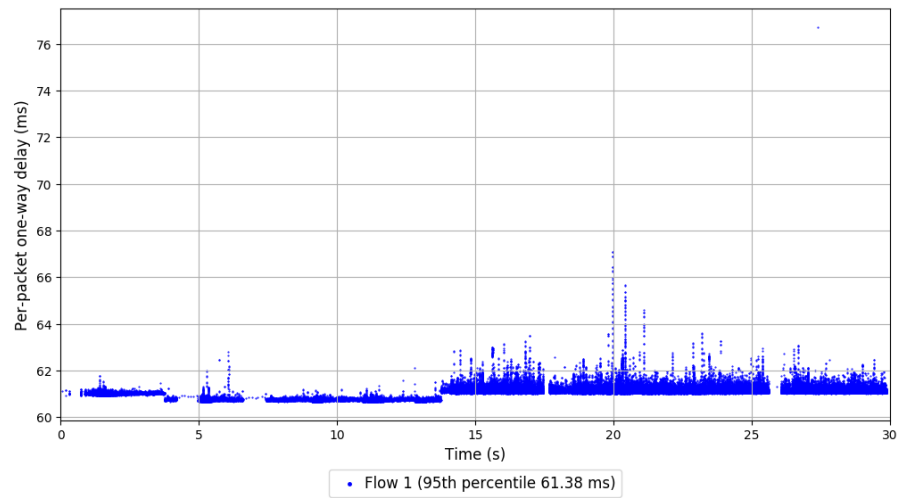
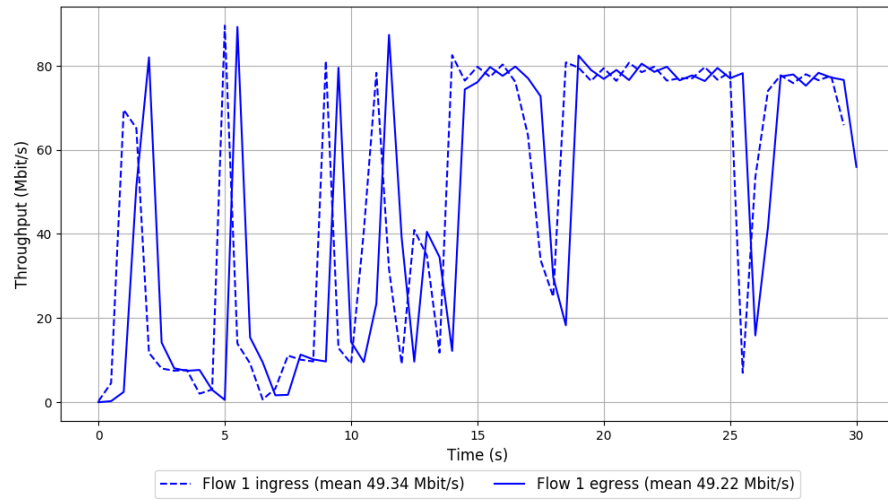


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-02 15:32:15
End at: 2018-08-02 15:32:45
Local clock offset: -0.024 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 61.383 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 61.383 ms
Loss rate: 0.67%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-02 15:54:56

End at: 2018-08-02 15:55:26

Local clock offset: -0.054 ms

Remote clock offset: -1.347 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 62.261 ms

Loss rate: 0.62%

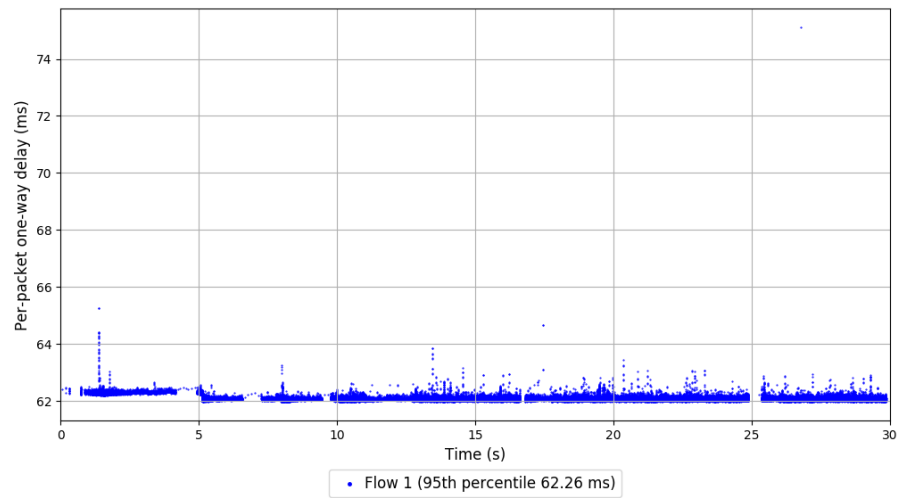
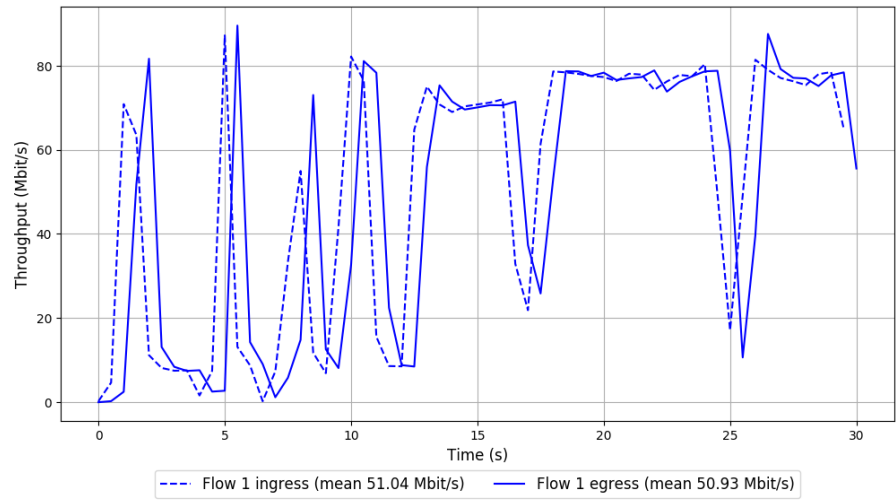
-- Flow 1:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 62.261 ms

Loss rate: 0.62%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-02 16:17:23

End at: 2018-08-02 16:17:53

Local clock offset: 0.005 ms

Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 66.865 ms

Loss rate: 0.64%

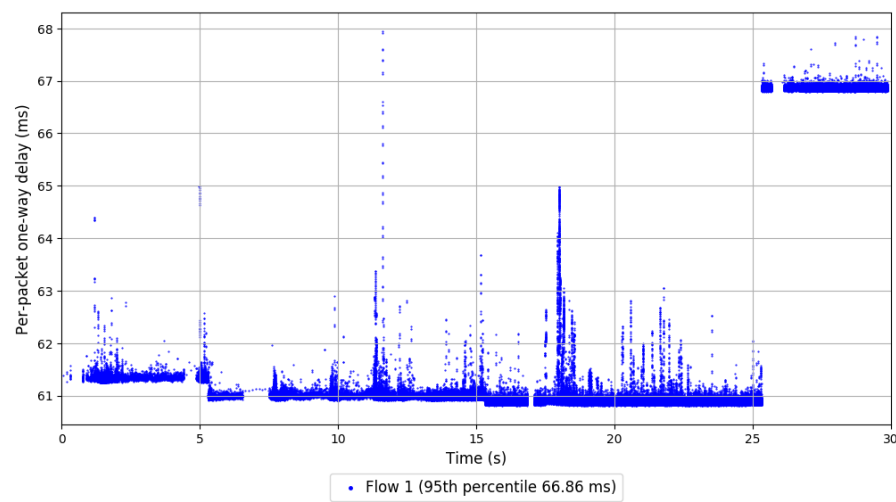
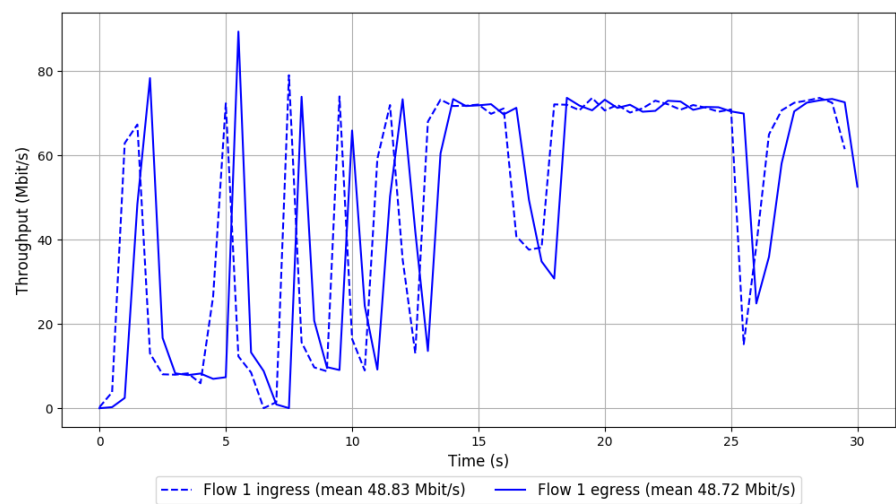
-- Flow 1:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 66.865 ms

Loss rate: 0.64%

Run 6: Report of QUIC Cubic — Data Link

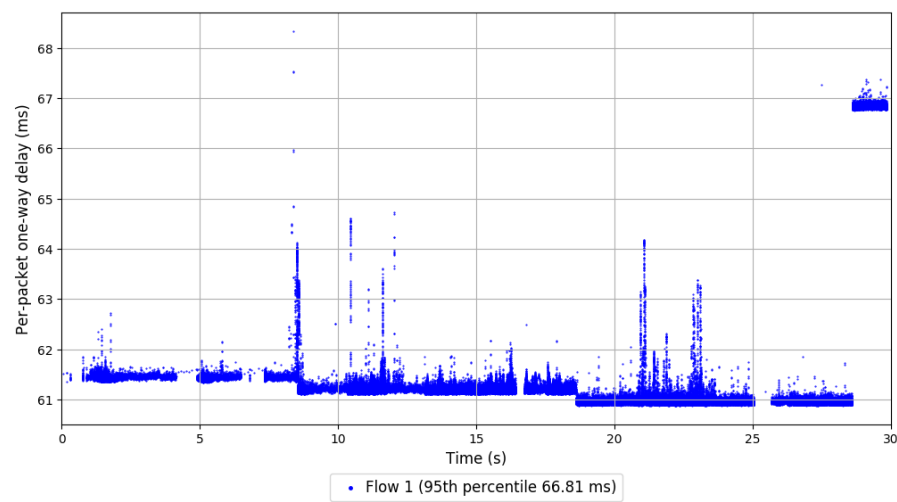
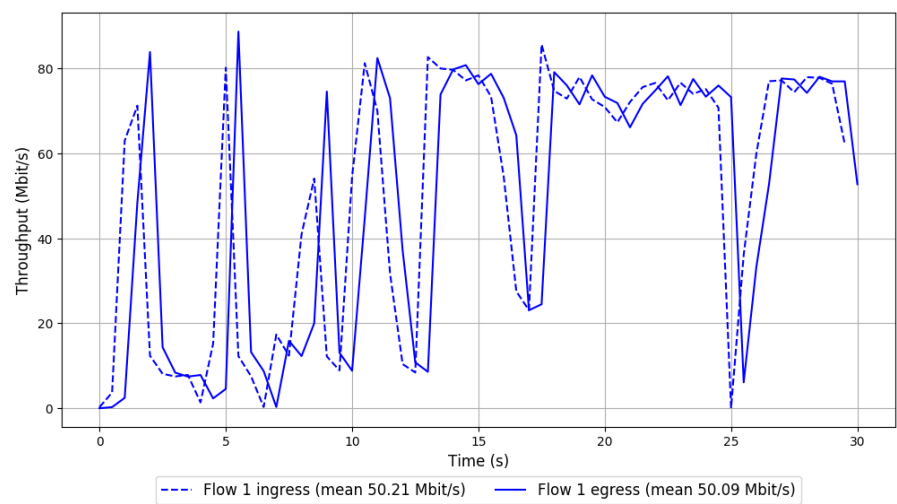


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-02 16:40:10
End at: 2018-08-02 16:40:40
Local clock offset: -0.011 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 66.805 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 66.805 ms
Loss rate: 0.63%

Run 7: Report of QUIC Cubic — Data Link

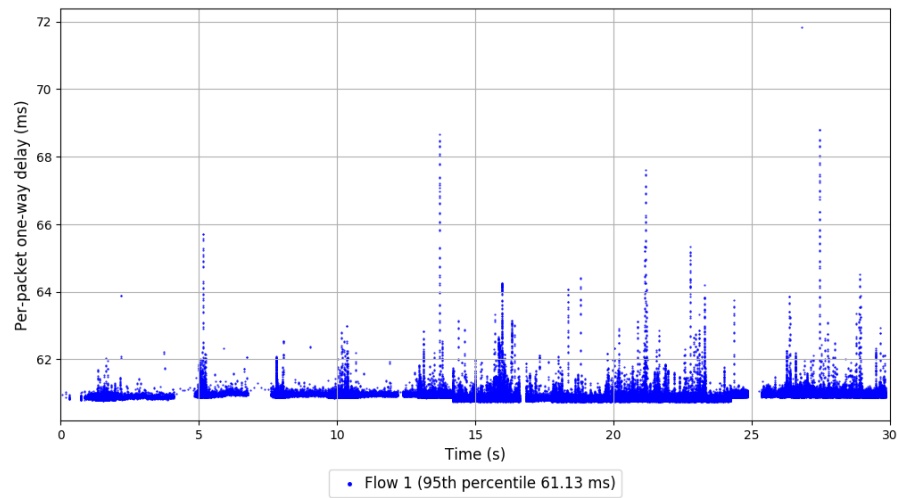
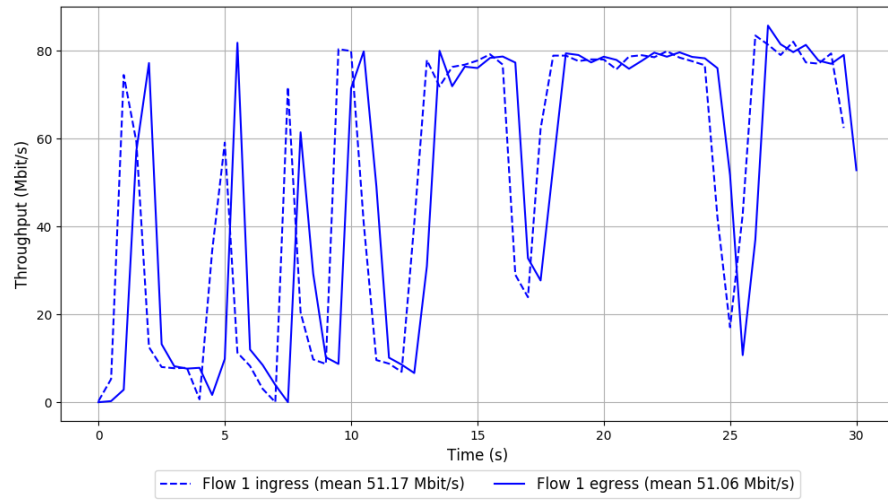


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-02 17:02:45
End at: 2018-08-02 17:03:15
Local clock offset: -0.087 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 61.126 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 61.126 ms
Loss rate: 0.63%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-02 17:25:24

End at: 2018-08-02 17:25:54

Local clock offset: 84.883 ms

Remote clock offset: -1.463 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 63.906 ms

Loss rate: 0.66%

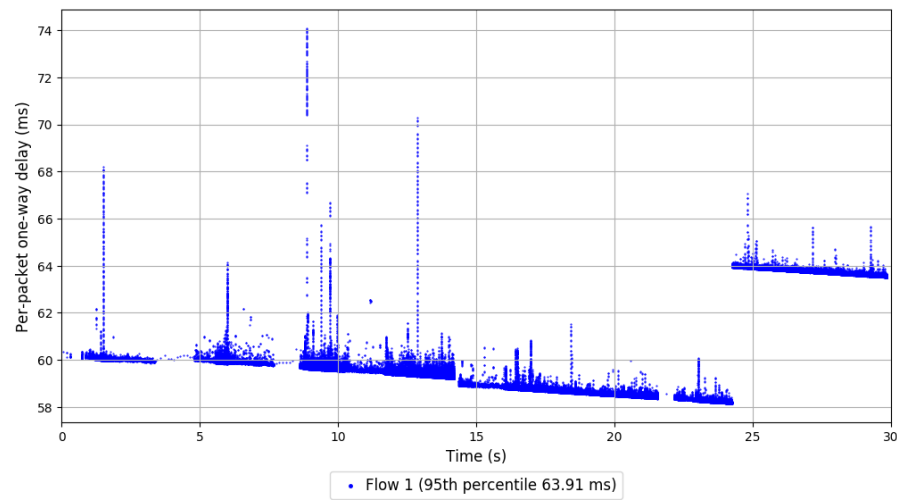
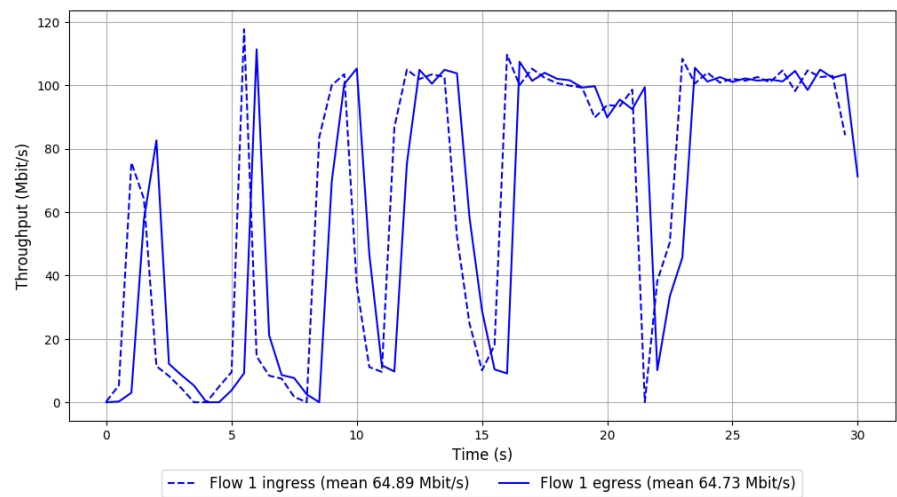
-- Flow 1:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 63.906 ms

Loss rate: 0.66%

Run 9: Report of QUIC Cubic — Data Link

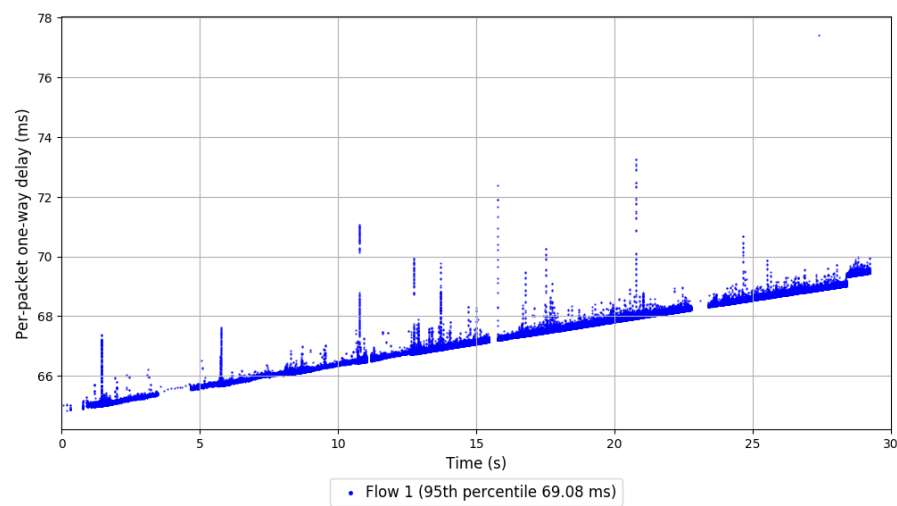
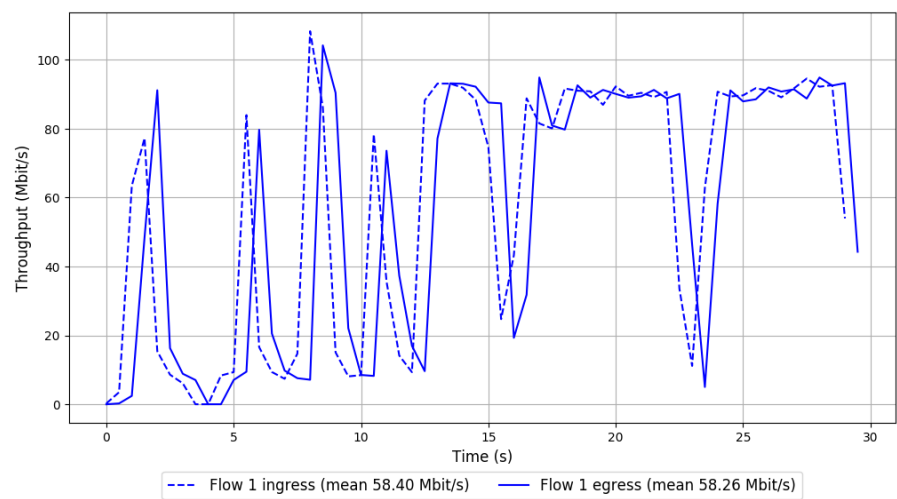


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-02 17:48:10
End at: 2018-08-02 17:48:40
Local clock offset: 43.207 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 69.078 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 69.078 ms
Loss rate: 0.65%

Run 10: Report of QUIC Cubic — Data Link

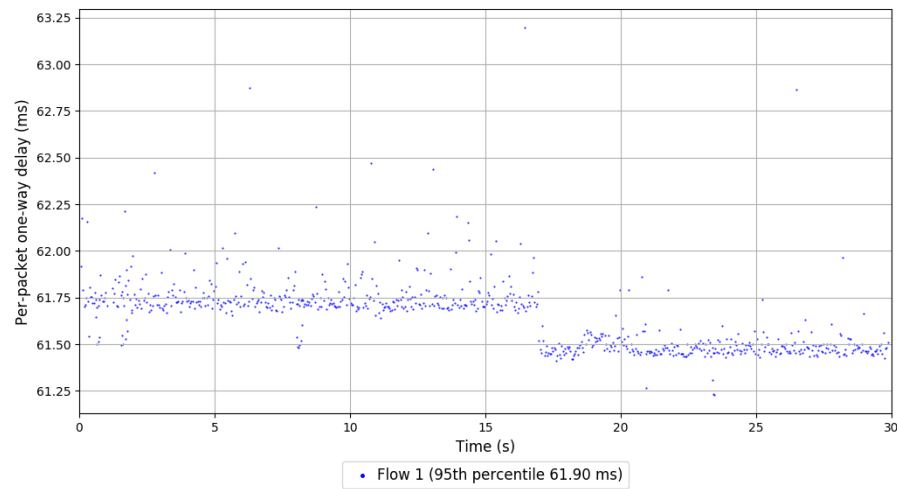
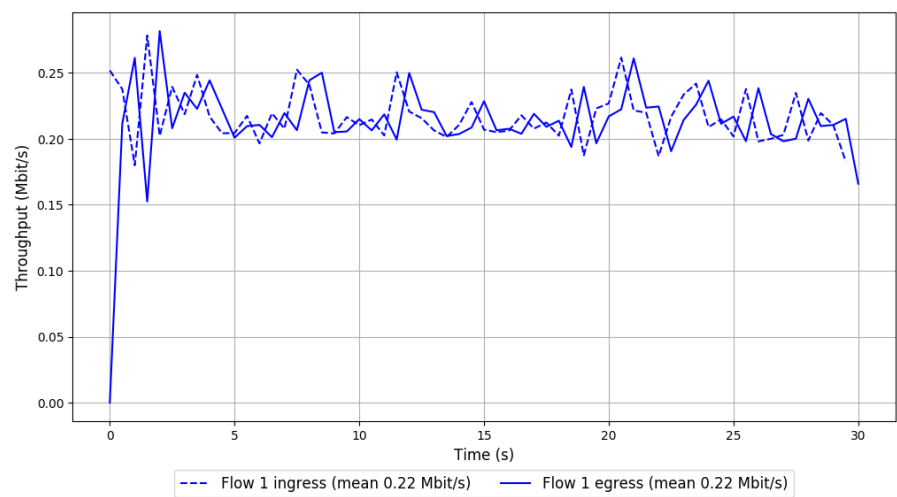


```
Run 1: Statistics of SCReAM

Start at: 2018-08-02 14:35:22
End at: 2018-08-02 14:35:52
Local clock offset: -0.032 ms
Remote clock offset: -0.61 ms

# Below is generated by plot.py at 2018-08-02 19:55:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.900 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.900 ms
Loss rate: 0.38%
```


Run 1: Report of SReAM — Data Link

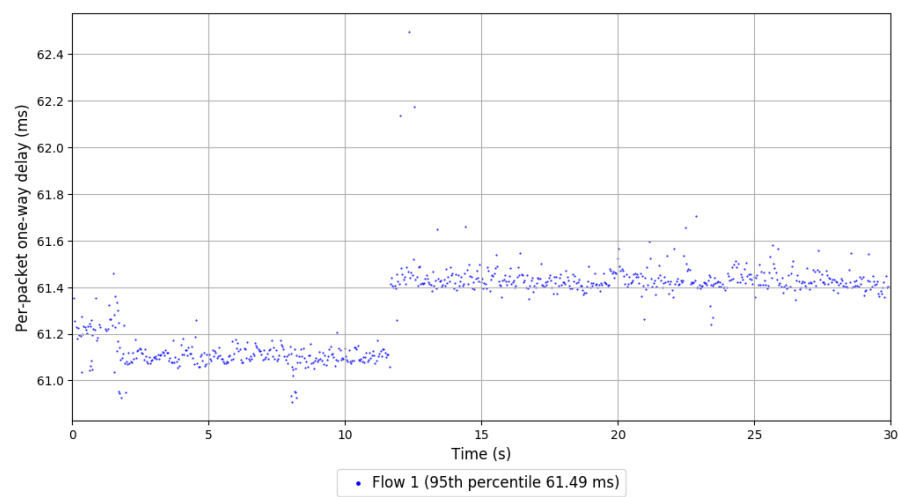
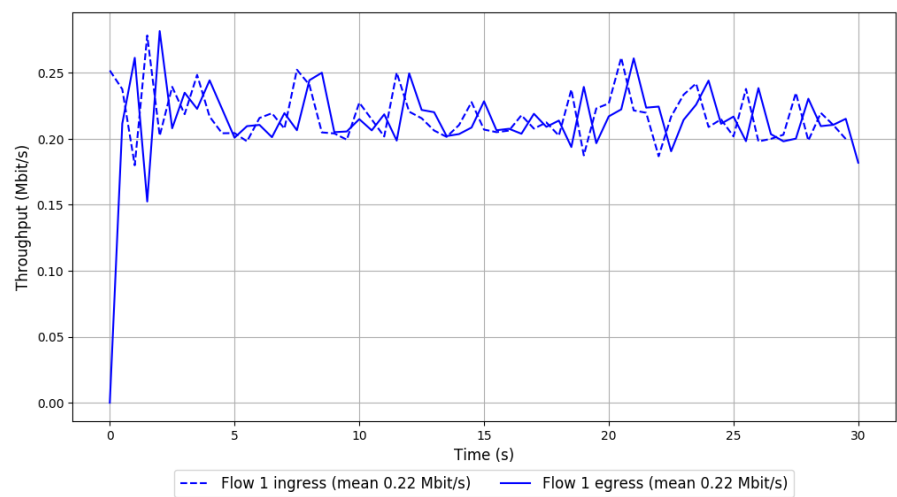


Run 2: Statistics of SCReAM

Start at: 2018-08-02 14:57:29
End at: 2018-08-02 14:57:59
Local clock offset: -0.005 ms
Remote clock offset: -0.671 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 0.39%

Run 2: Report of SReAM — Data Link

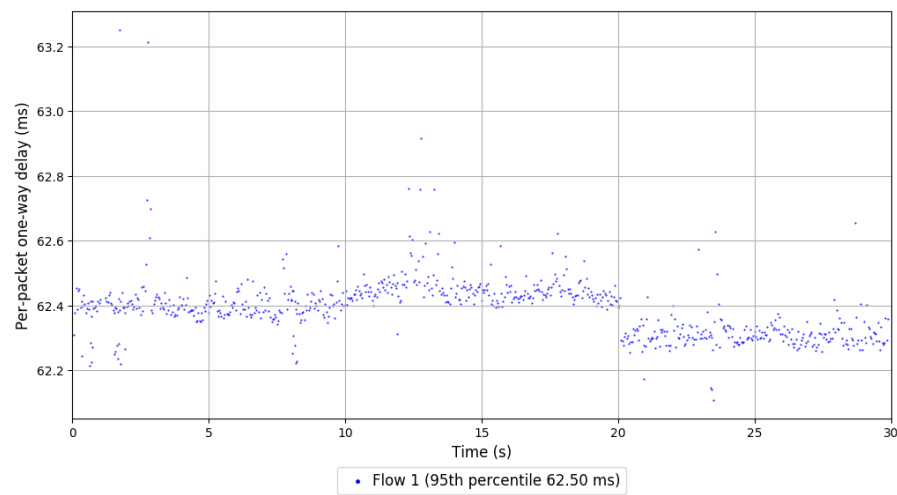
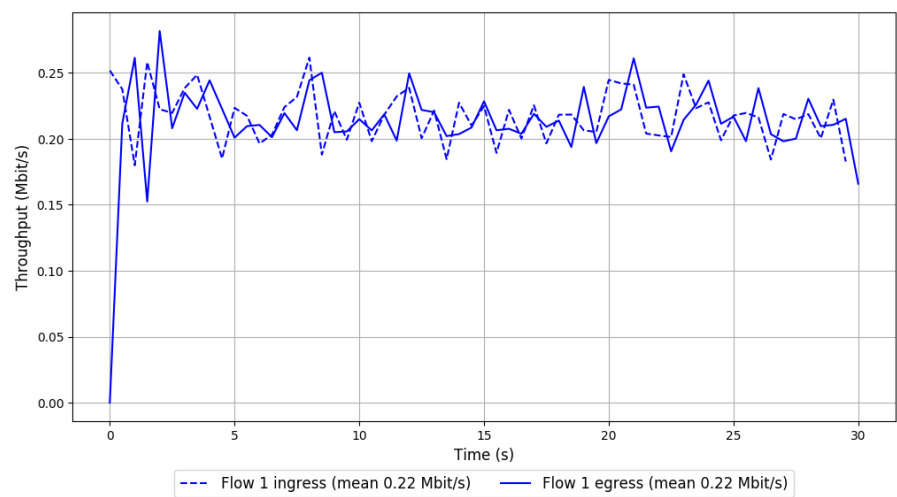


Run 3: Statistics of SCReAM

Start at: 2018-08-02 15:19:49
End at: 2018-08-02 15:20:19
Local clock offset: 0.084 ms
Remote clock offset: -1.889 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.498 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.498 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

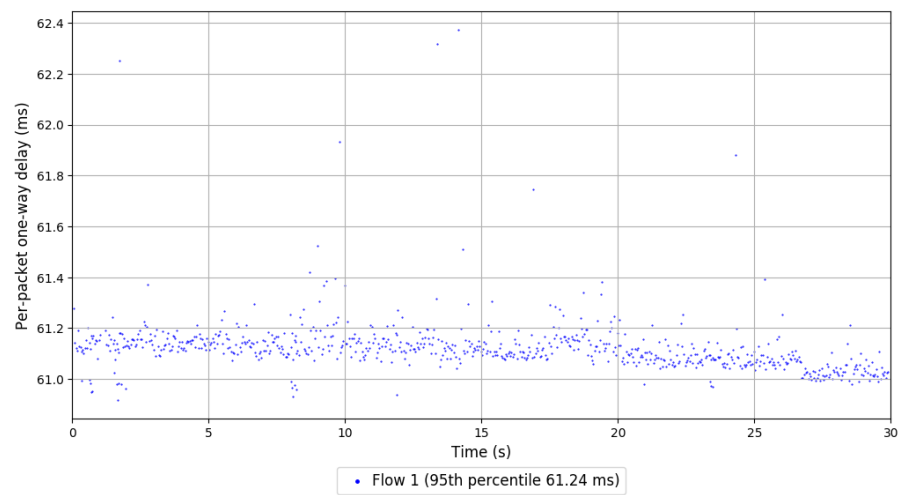
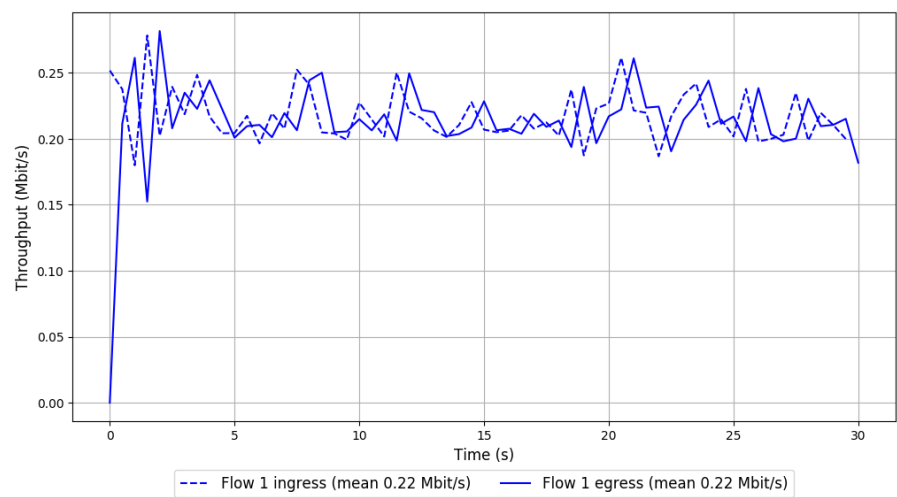


Run 4: Statistics of SCReAM

Start at: 2018-08-02 15:42:22
End at: 2018-08-02 15:42:52
Local clock offset: -0.031 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.39%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-02 16:05:02

End at: 2018-08-02 16:05:32

Local clock offset: -0.05 ms

Remote clock offset: 1.067 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.180 ms

Loss rate: 0.38%

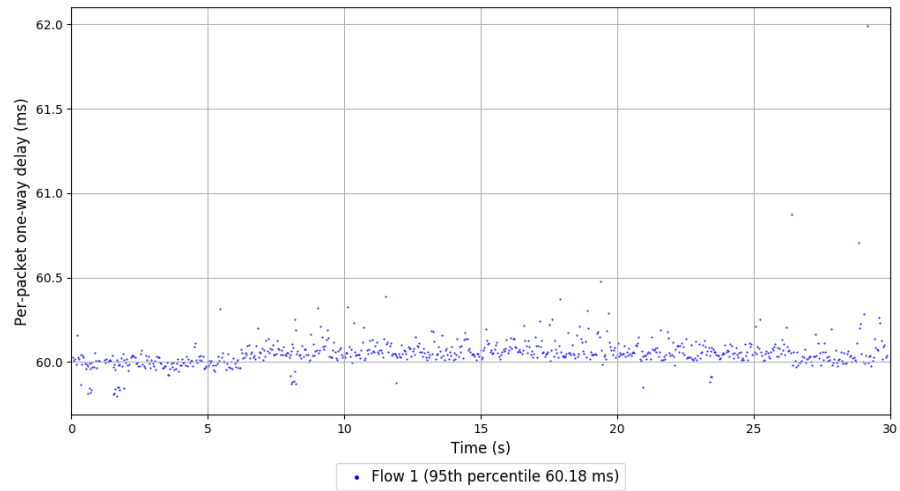
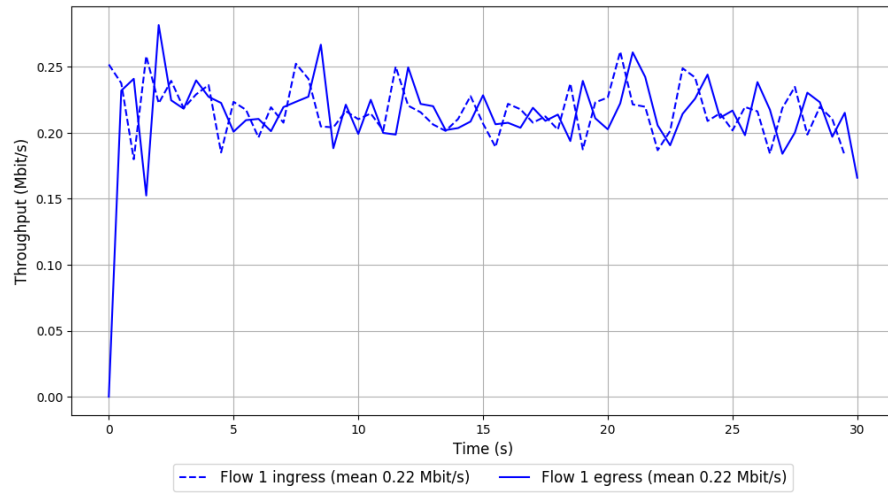
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.180 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

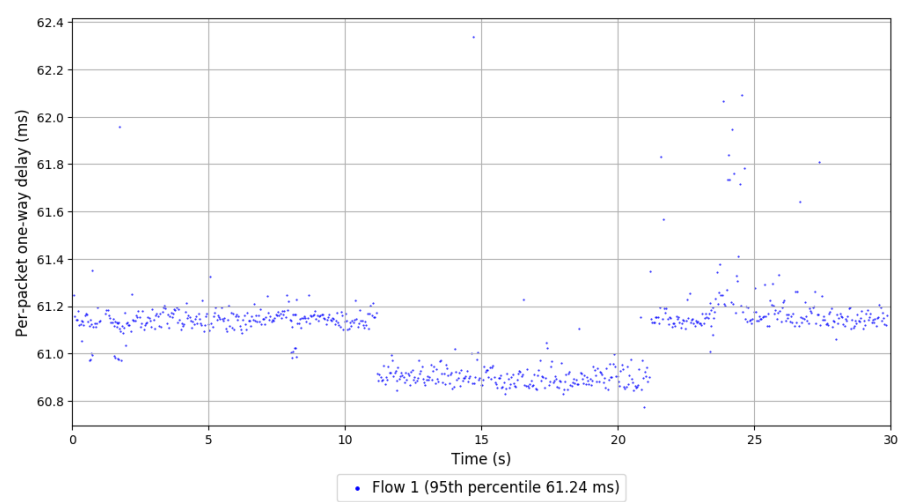
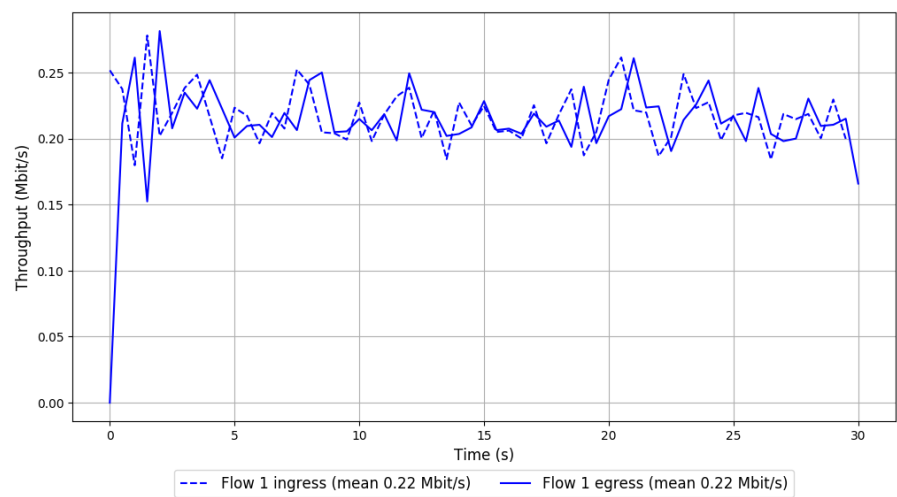


Run 6: Statistics of SCReAM

Start at: 2018-08-02 16:27:38
End at: 2018-08-02 16:28:08
Local clock offset: -0.01 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.245 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.245 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

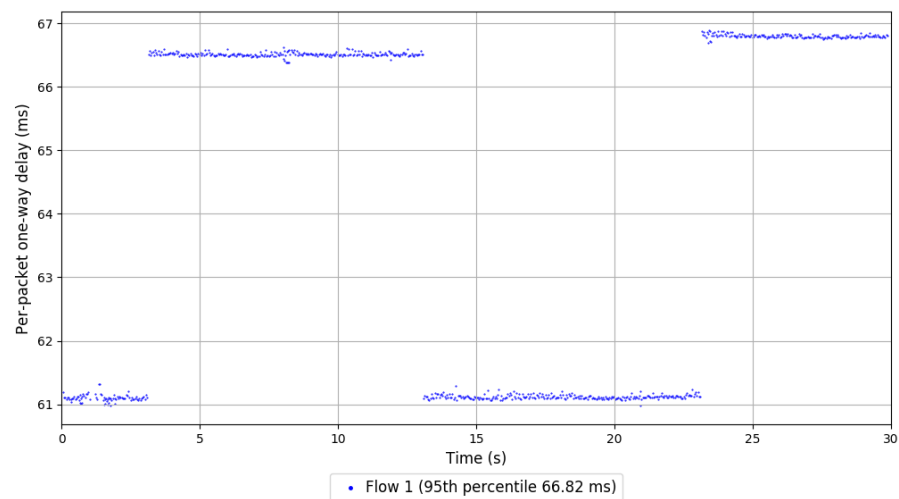
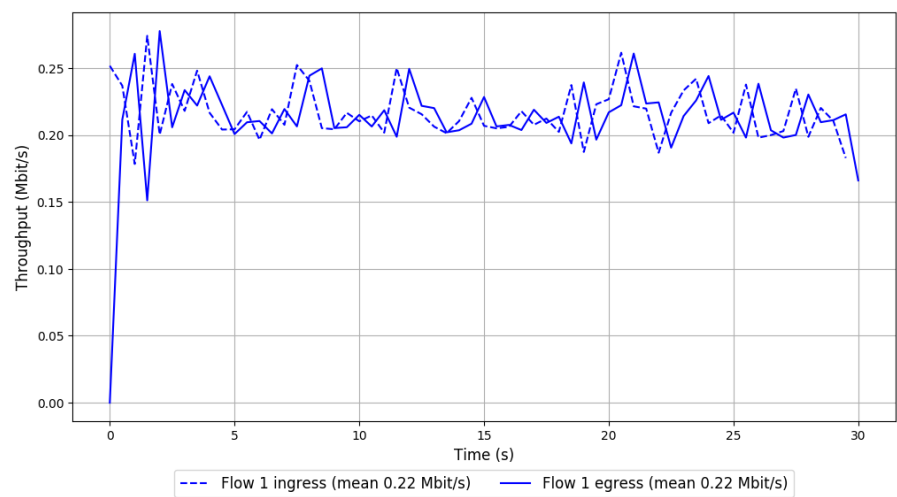


Run 7: Statistics of SCReAM

Start at: 2018-08-02 16:50:18
End at: 2018-08-02 16:50:48
Local clock offset: -0.054 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.820 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.820 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link

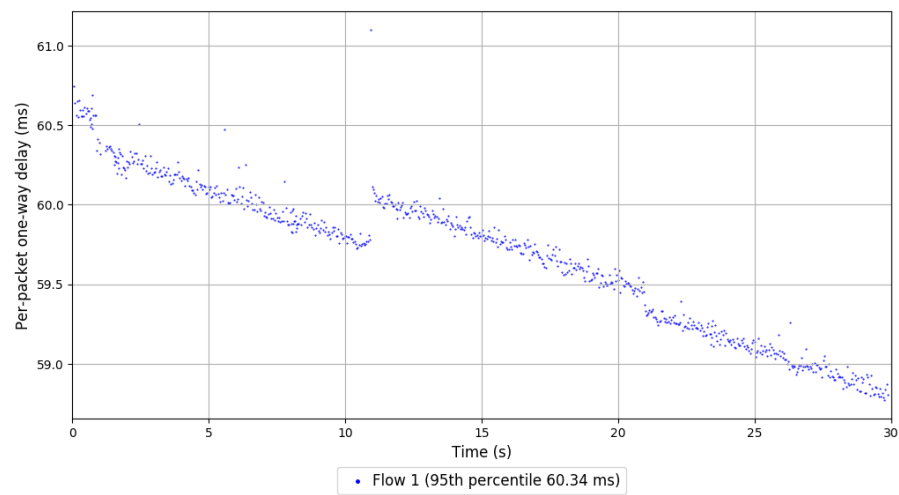
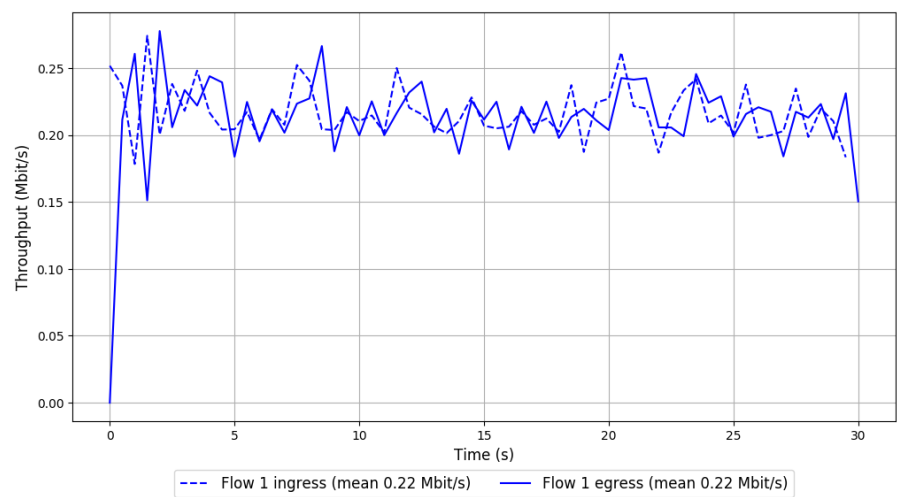


Run 8: Statistics of SCReAM

Start at: 2018-08-02 17:12:48
End at: 2018-08-02 17:13:18
Local clock offset: 32.396 ms
Remote clock offset: -1.199 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.342 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.342 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link

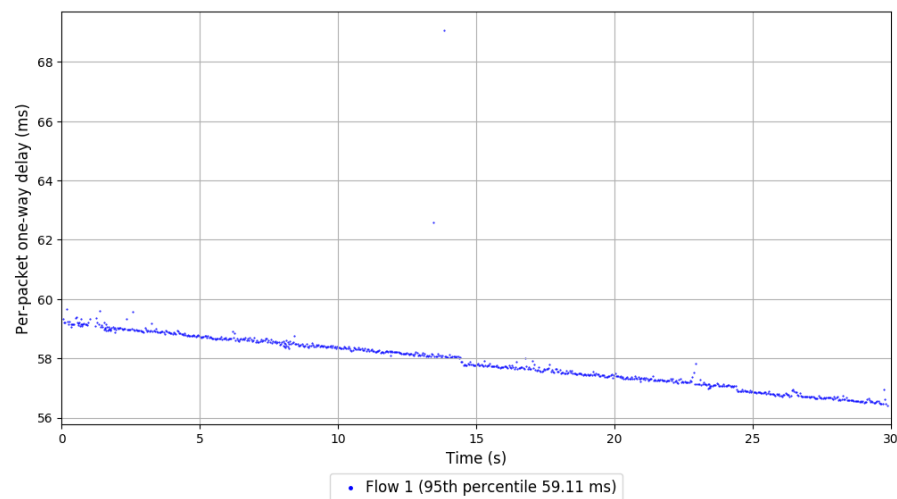
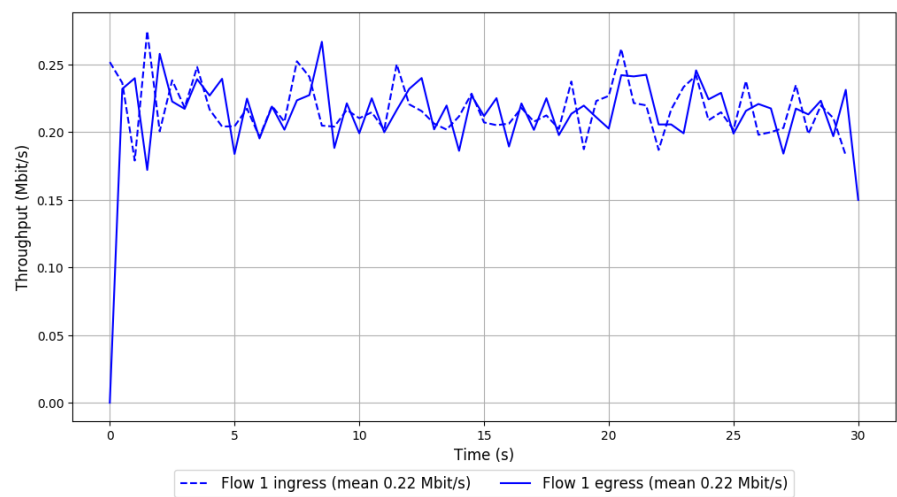


Run 9: Statistics of SCReAM

Start at: 2018-08-02 17:35:44
End at: 2018-08-02 17:36:14
Local clock offset: 133.687 ms
Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.111 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.111 ms
Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-02 17:58:33

End at: 2018-08-02 17:59:03

Local clock offset: 2.374 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.548 ms

Loss rate: 0.51%

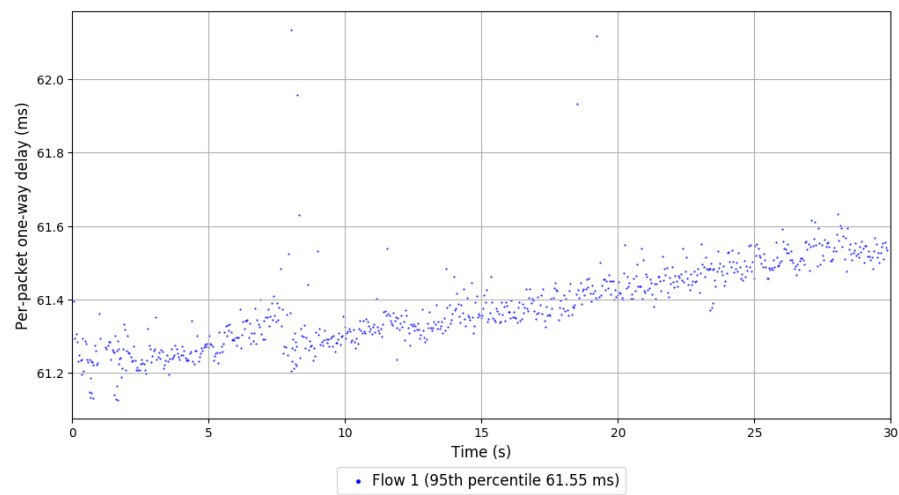
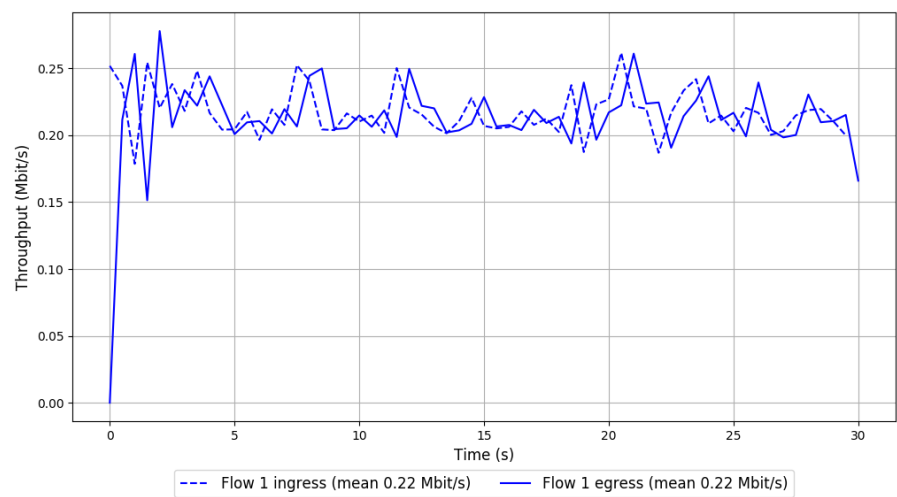
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.548 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link

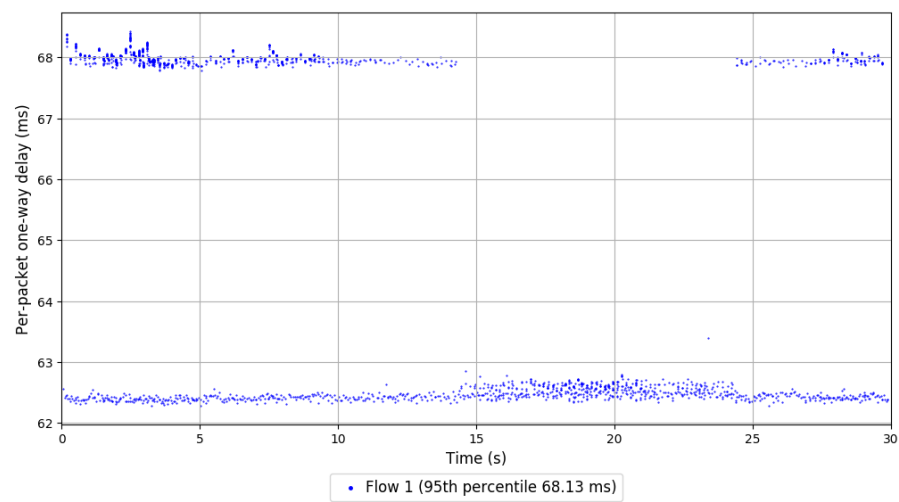
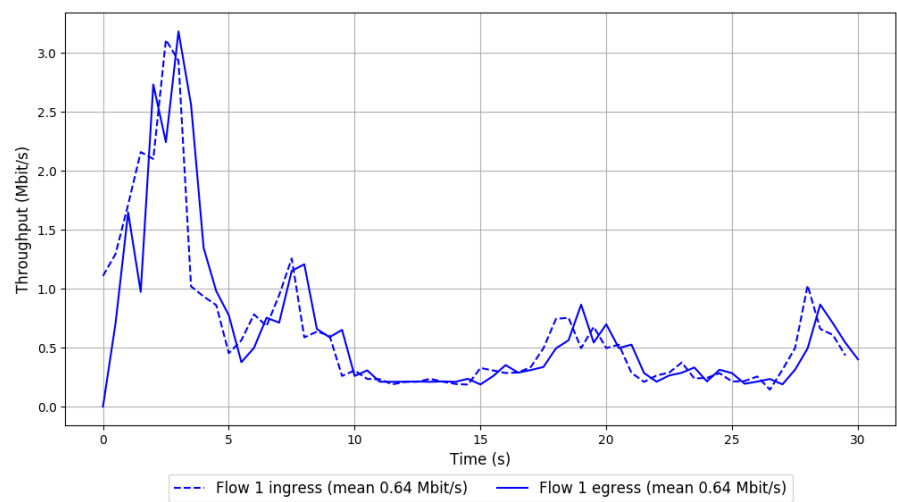


Run 1: Statistics of Sprout

Start at: 2018-08-02 14:24:24
End at: 2018-08-02 14:24:54
Local clock offset: -0.071 ms
Remote clock offset: -1.731 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 68.129 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 68.129 ms
Loss rate: 0.56%

Run 1: Report of Sprout — Data Link

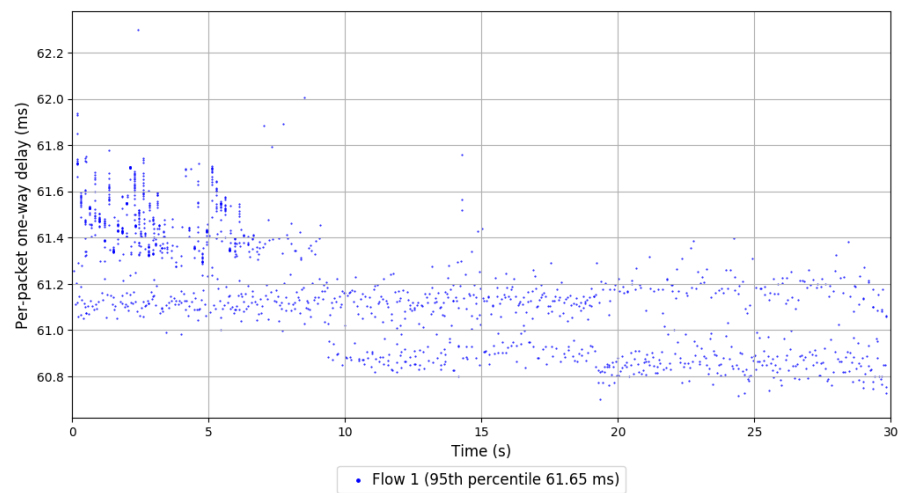
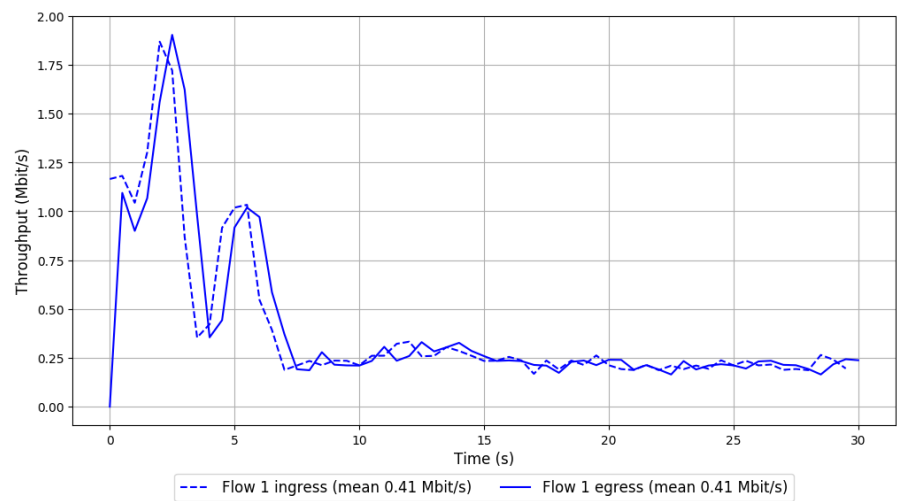


Run 2: Statistics of Sprout

Start at: 2018-08-02 14:46:39
End at: 2018-08-02 14:47:10
Local clock offset: -0.09 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 61.652 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 61.652 ms
Loss rate: 0.11%

Run 2: Report of Sprout — Data Link

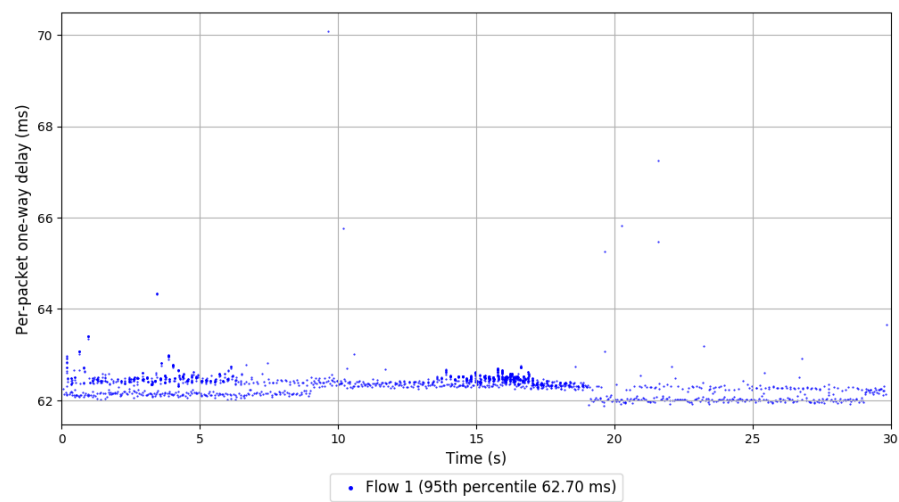
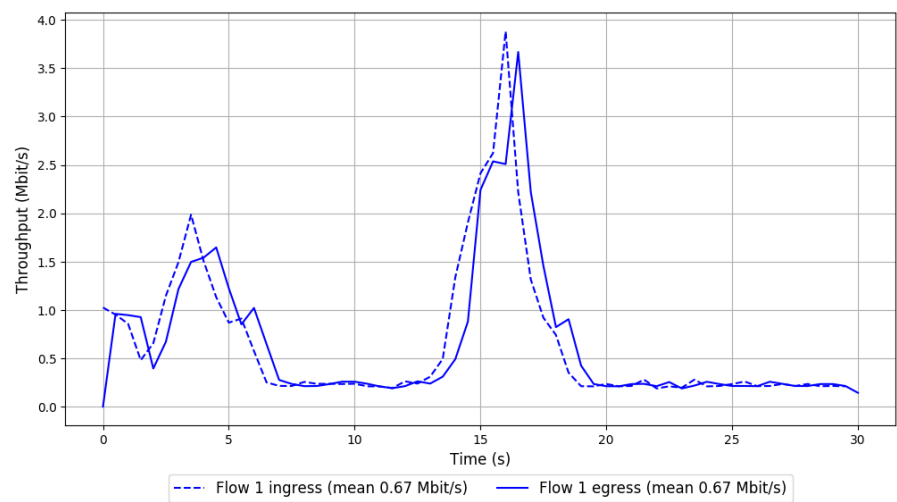


Run 3: Statistics of Sprout

Start at: 2018-08-02 15:08:42
End at: 2018-08-02 15:09:12
Local clock offset: 0.01 ms
Remote clock offset: -1.615 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 62.704 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 62.704 ms
Loss rate: 0.17%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-02 15:31:09

End at: 2018-08-02 15:31:39

Local clock offset: 0.023 ms

Remote clock offset: 0.719 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 60.473 ms

Loss rate: 0.05%

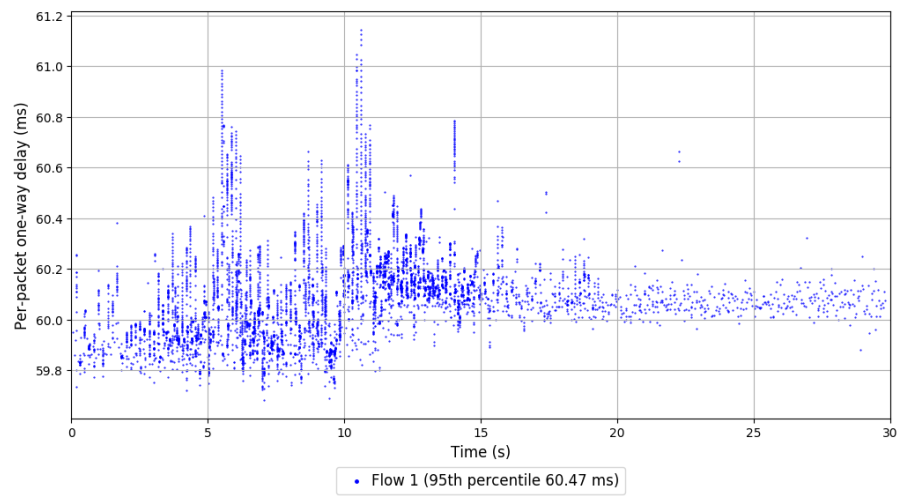
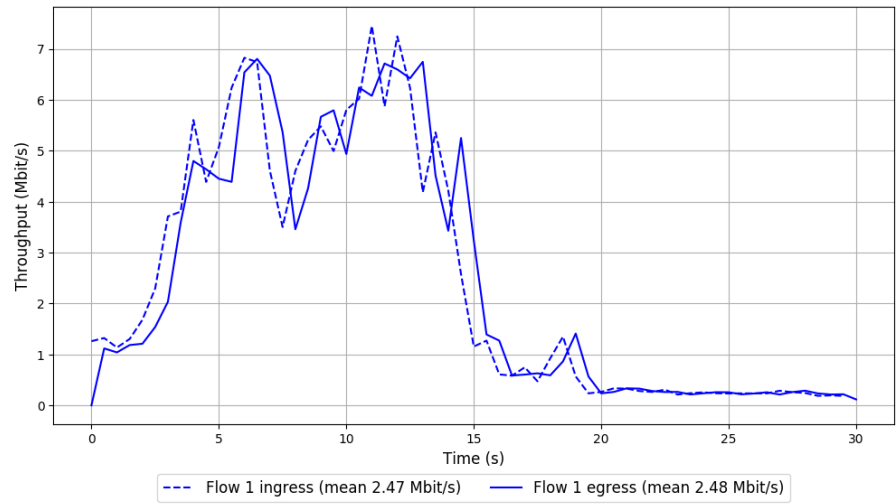
-- Flow 1:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 60.473 ms

Loss rate: 0.05%

Run 4: Report of Sprout — Data Link

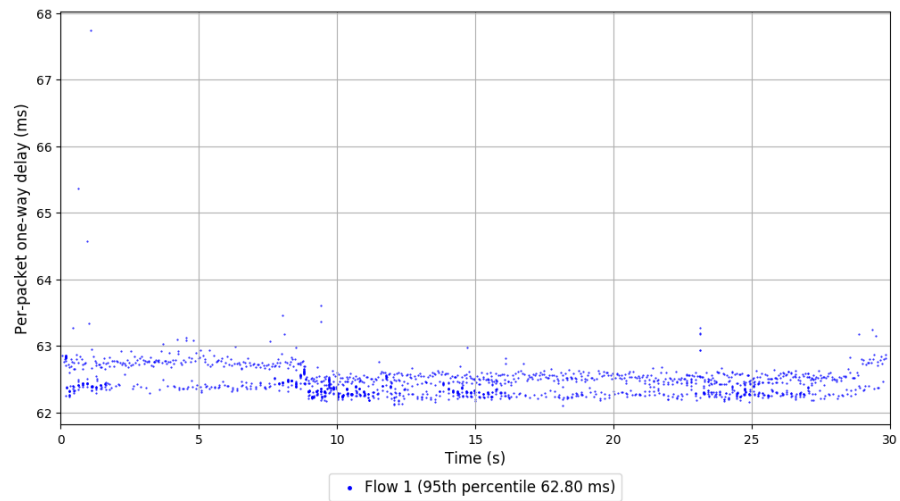
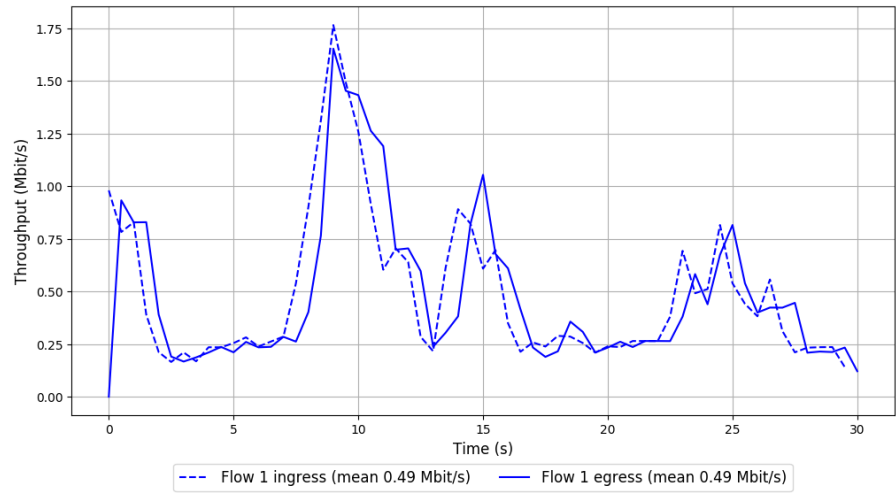


Run 5: Statistics of Sprout

Start at: 2018-08-02 15:53:50
End at: 2018-08-02 15:54:20
Local clock offset: -0.034 ms
Remote clock offset: -1.396 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 62.797 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 62.797 ms
Loss rate: 0.23%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-02 16:16:17

End at: 2018-08-02 16:16:47

Local clock offset: -0.011 ms

Remote clock offset: 1.181 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 60.428 ms

Loss rate: 0.10%

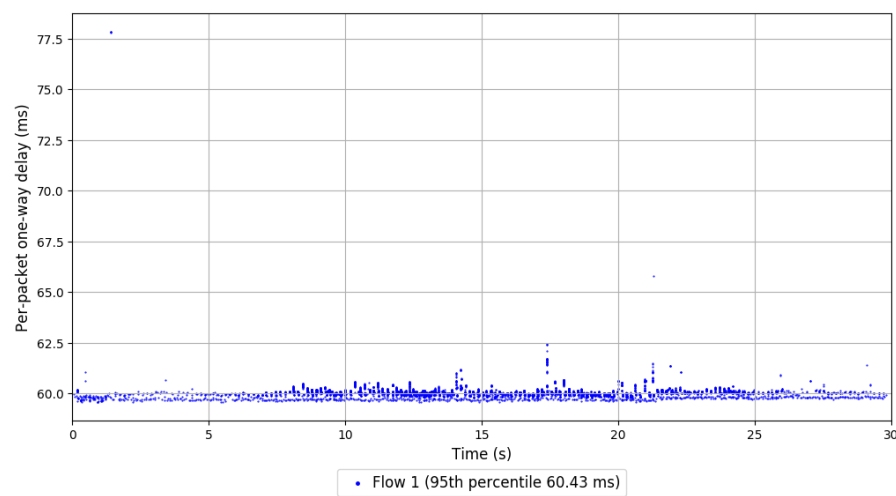
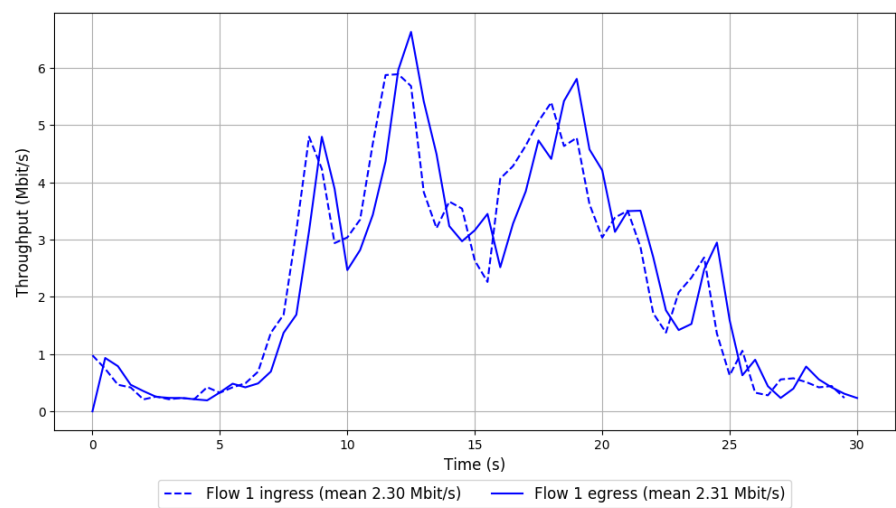
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 60.428 ms

Loss rate: 0.10%

Run 6: Report of Sprout — Data Link

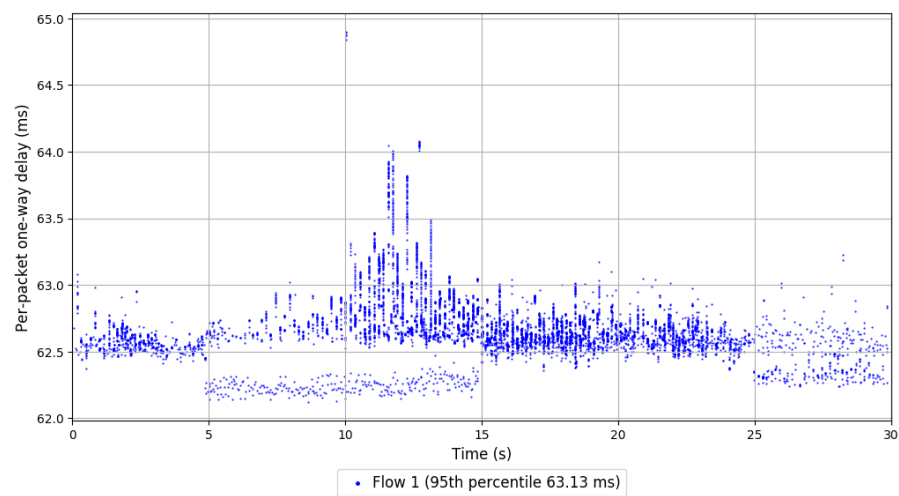
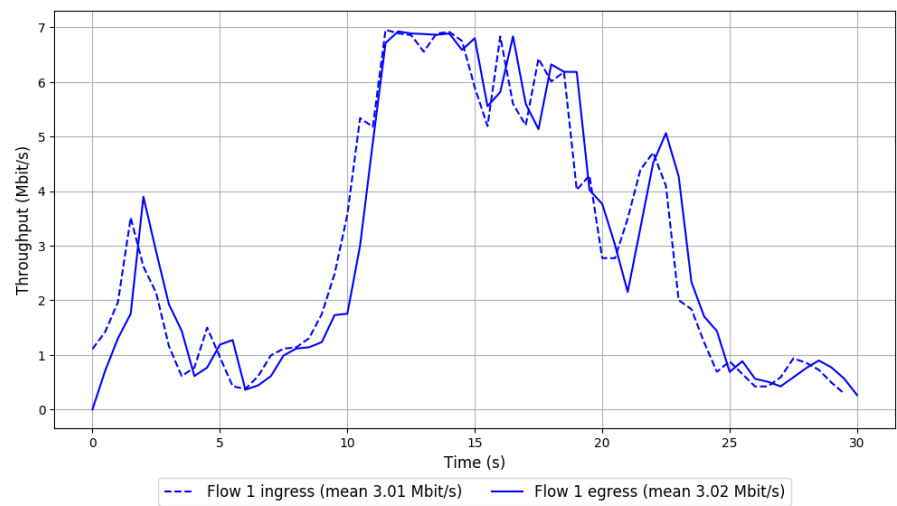


Run 7: Statistics of Sprout

Start at: 2018-08-02 16:39:04
End at: 2018-08-02 16:39:34
Local clock offset: 0.023 ms
Remote clock offset: -1.412 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link

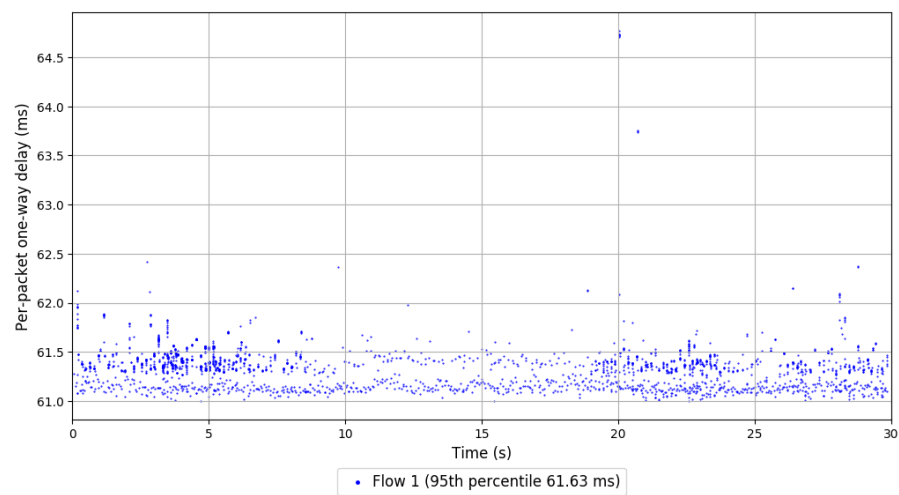
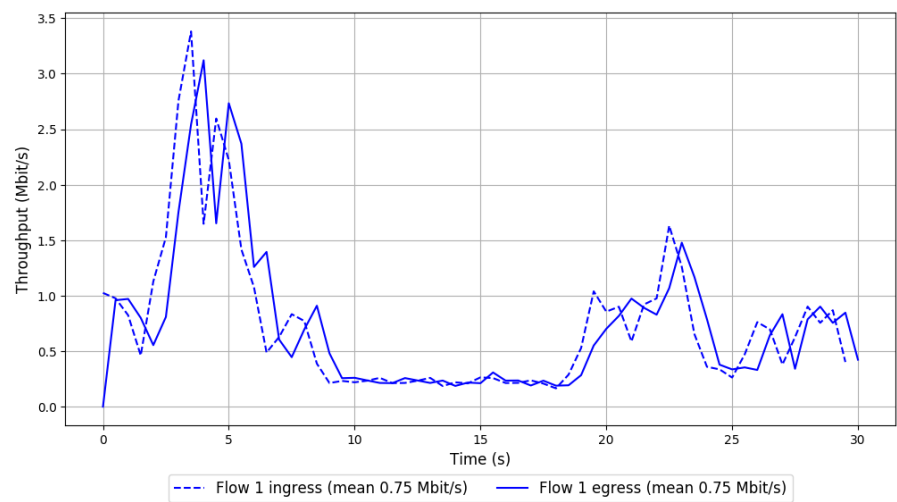


Run 8: Statistics of Sprout

Start at: 2018-08-02 17:01:38
End at: 2018-08-02 17:02:08
Local clock offset: -0.078 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 61.632 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 61.632 ms
Loss rate: 0.01%

Run 8: Report of Sprout — Data Link

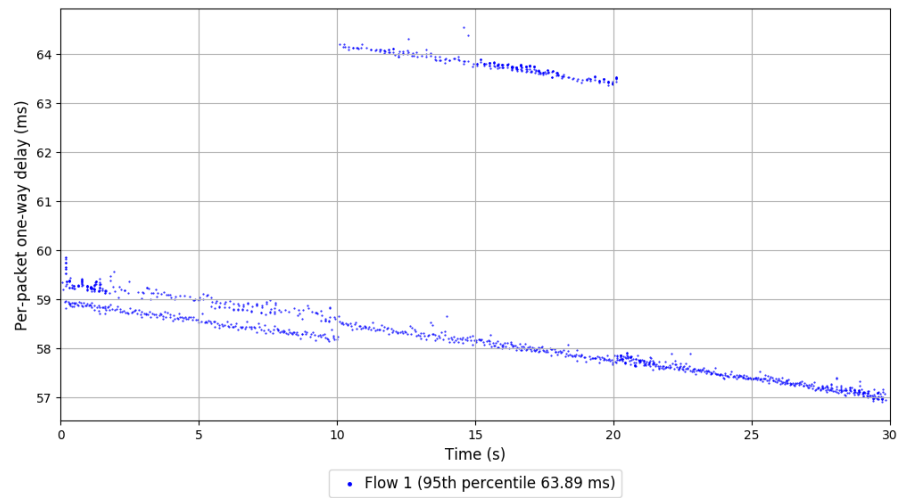
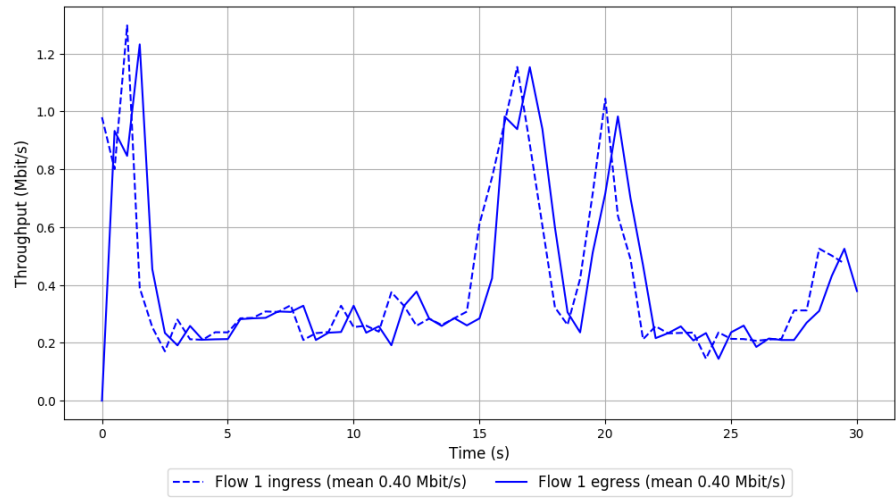


Run 9: Statistics of Sprout

Start at: 2018-08-02 17:24:19
End at: 2018-08-02 17:24:49
Local clock offset: 80.23 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-02 19:55:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 63.888 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 63.888 ms
Loss rate: 0.98%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-02 17:47:04

End at: 2018-08-02 17:47:34

Local clock offset: 57.418 ms

Remote clock offset: 0.969 ms

Below is generated by plot.py at 2018-08-02 19:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 71.818 ms

Loss rate: 0.49%

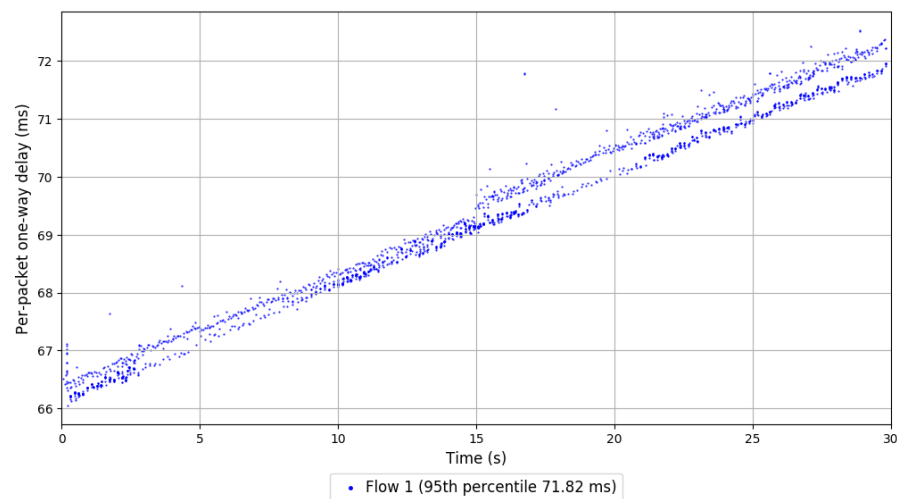
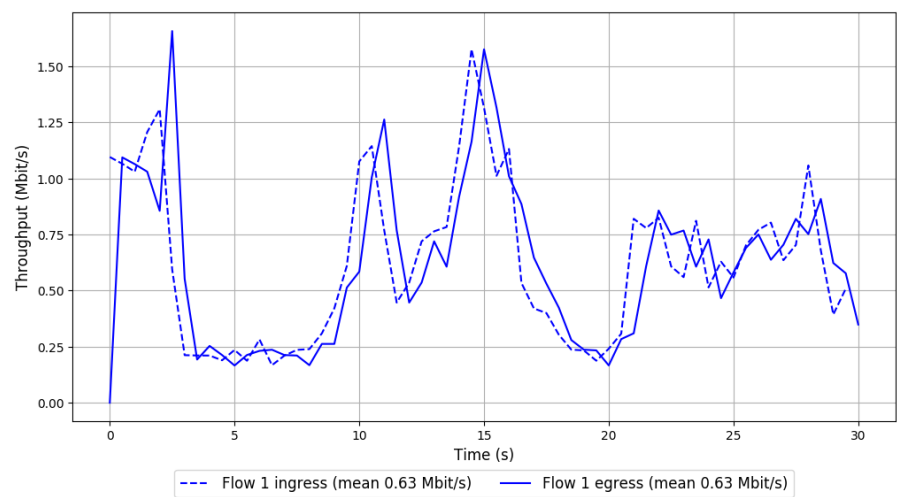
-- Flow 1:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 71.818 ms

Loss rate: 0.49%

Run 10: Report of Sprout — Data Link

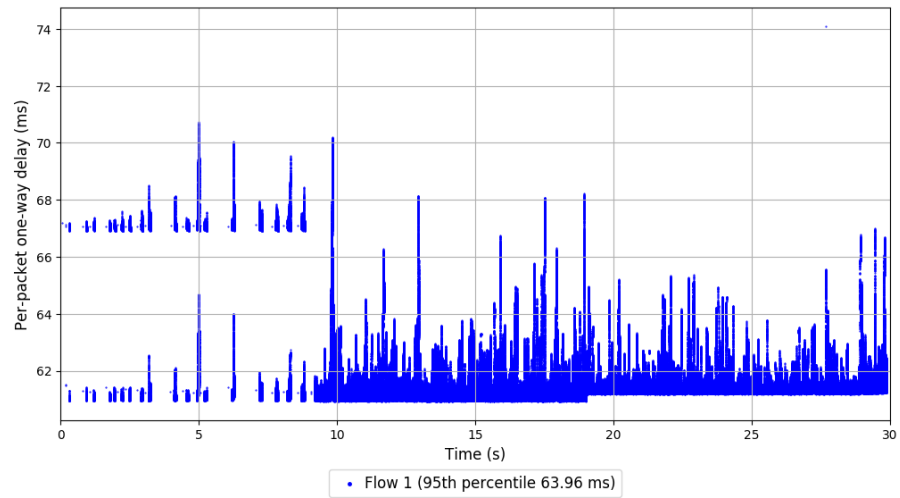
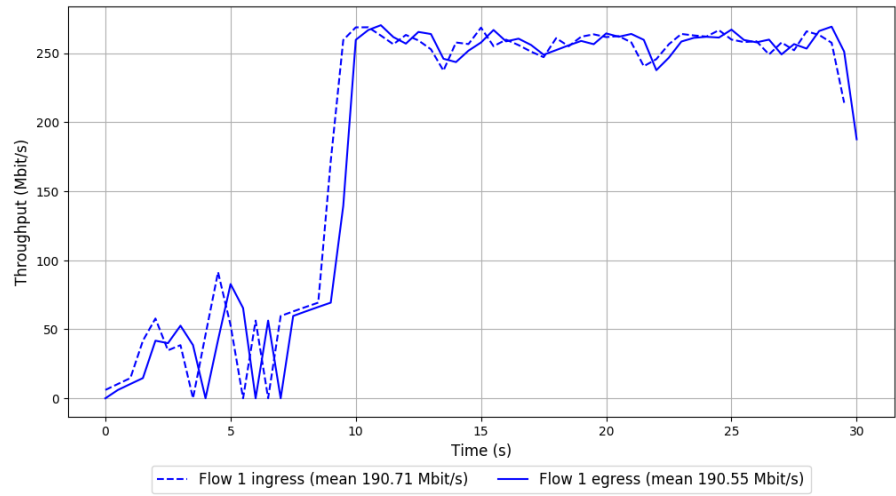


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-02 14:28:10
End at: 2018-08-02 14:28:40
Local clock offset: -0.078 ms
Remote clock offset: -0.634 ms

# Below is generated by plot.py at 2018-08-02 19:55:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.55 Mbit/s
95th percentile per-packet one-way delay: 63.962 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 190.55 Mbit/s
95th percentile per-packet one-way delay: 63.962 ms
Loss rate: 0.51%
```


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



Run 2: Statistics of TaoVA-100x

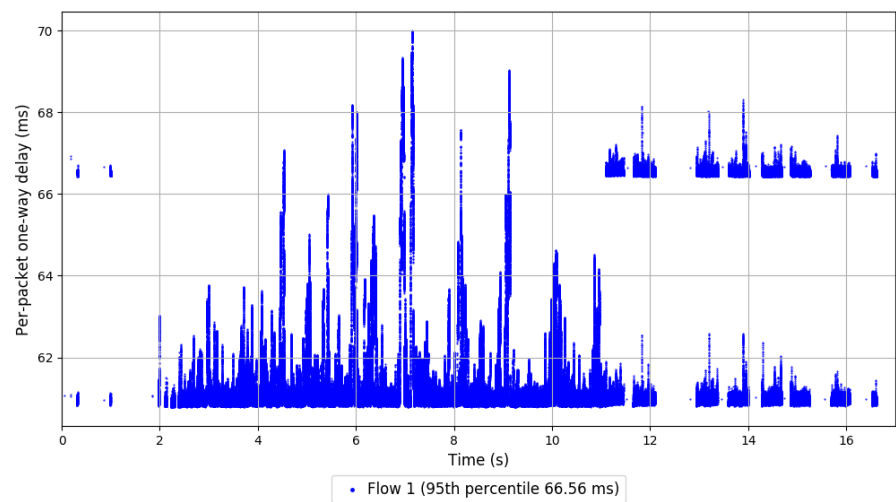
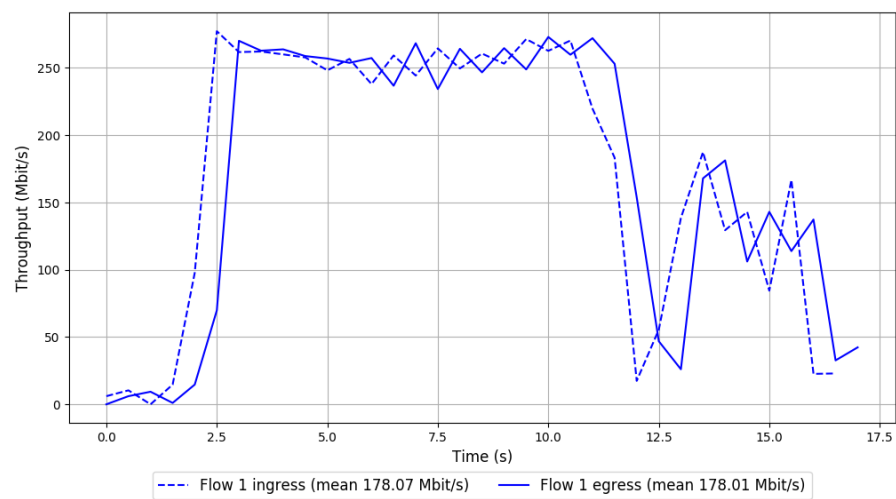
Start at: 2018-08-02 14:50:28

End at: 2018-08-02 14:50:58

Local clock offset: -0.092 ms

Remote clock offset: -0.307 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-02 15:12:35

End at: 2018-08-02 15:13:05

Local clock offset: 0.003 ms

Remote clock offset: -0.56 ms

Below is generated by plot.py at 2018-08-02 19:55:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.15 Mbit/s

95th percentile per-packet one-way delay: 65.230 ms

Loss rate: 0.55%

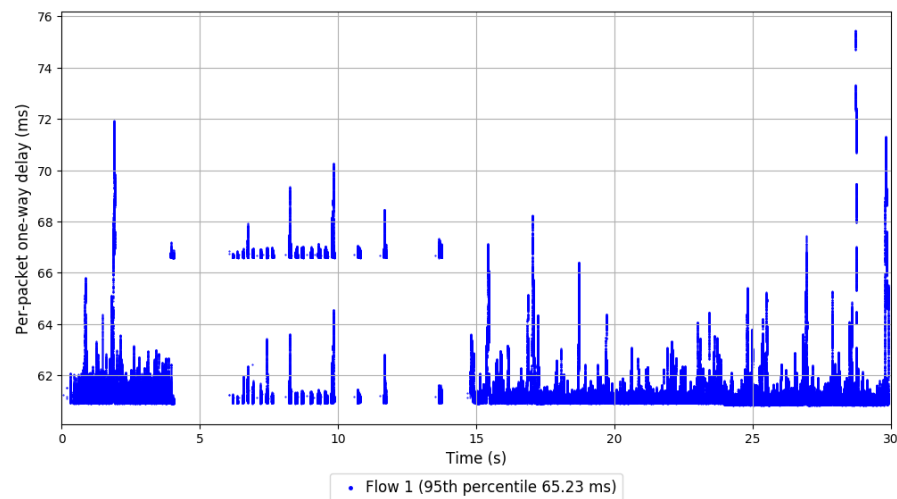
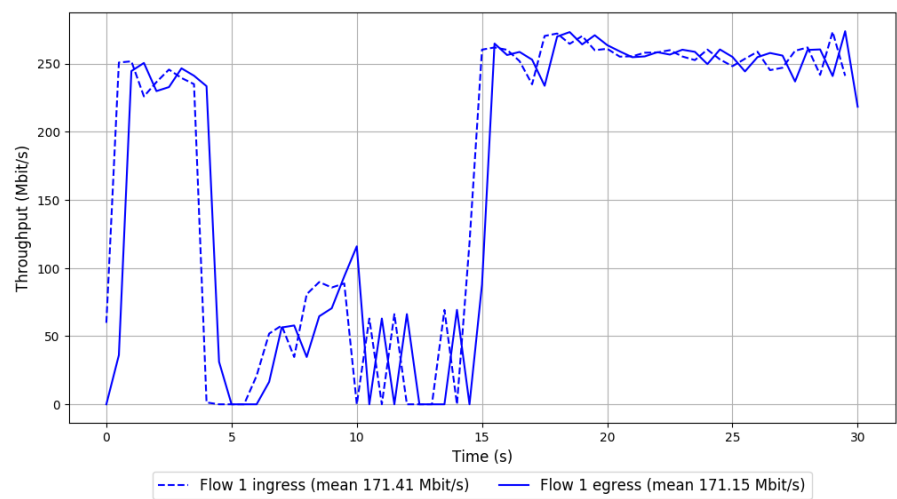
-- Flow 1:

Average throughput: 171.15 Mbit/s

95th percentile per-packet one-way delay: 65.230 ms

Loss rate: 0.55%

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

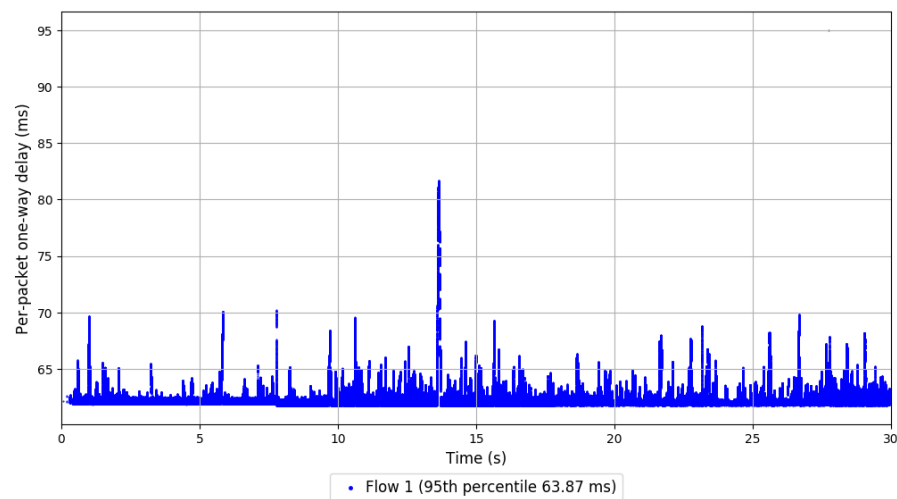
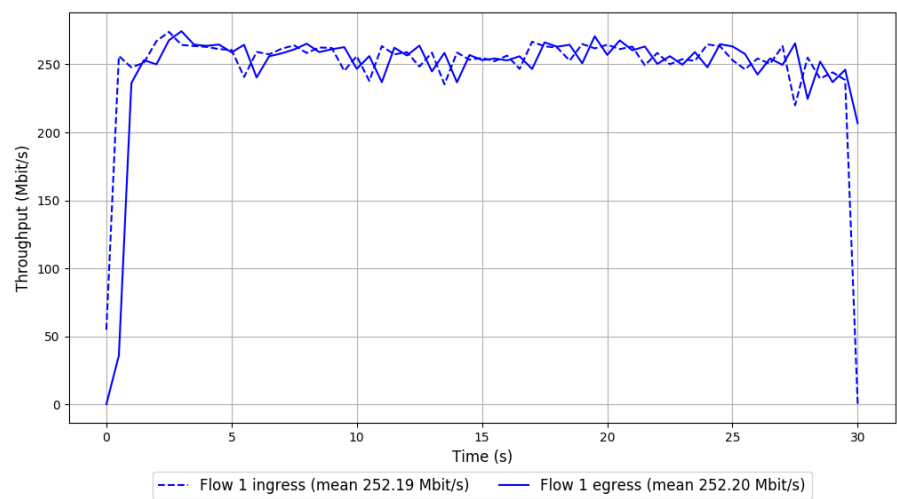


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-02 15:35:01
End at: 2018-08-02 15:35:31
Local clock offset: -0.028 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-08-02 19:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.20 Mbit/s
95th percentile per-packet one-way delay: 63.872 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 252.20 Mbit/s
95th percentile per-packet one-way delay: 63.872 ms
Loss rate: 0.41%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-02 15:57:44

End at: 2018-08-02 15:58:14

Local clock offset: -0.048 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-08-02 19:58:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.04 Mbit/s

95th percentile per-packet one-way delay: 63.165 ms

Loss rate: 0.44%

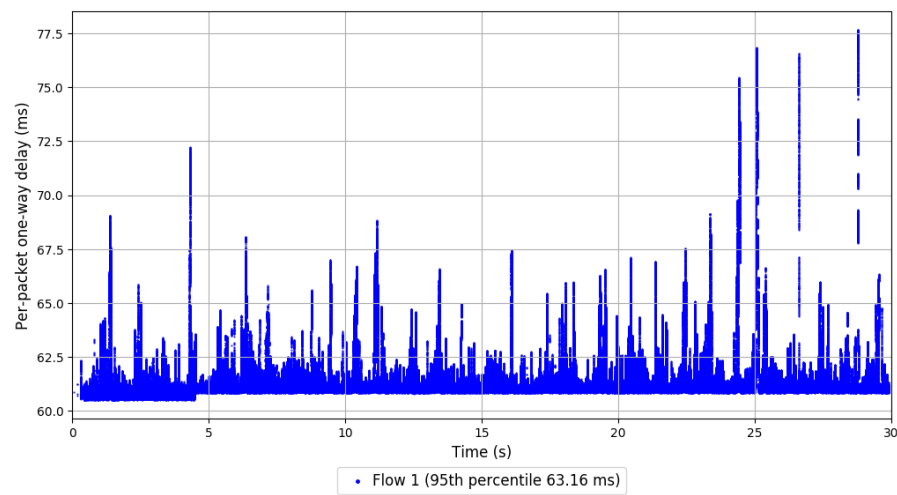
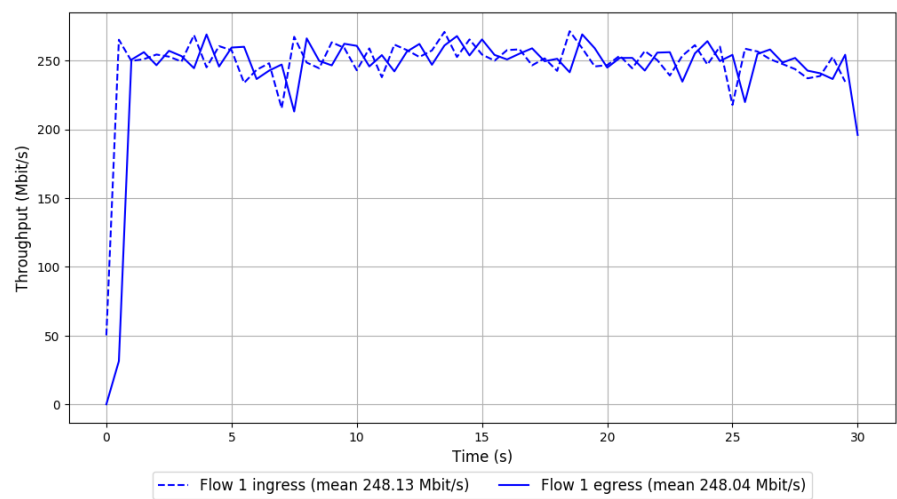
-- Flow 1:

Average throughput: 248.04 Mbit/s

95th percentile per-packet one-way delay: 63.165 ms

Loss rate: 0.44%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-02 16:20:14

End at: 2018-08-02 16:20:44

Local clock offset: -0.011 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-02 19:58:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.90 Mbit/s

95th percentile per-packet one-way delay: 66.846 ms

Loss rate: 0.44%

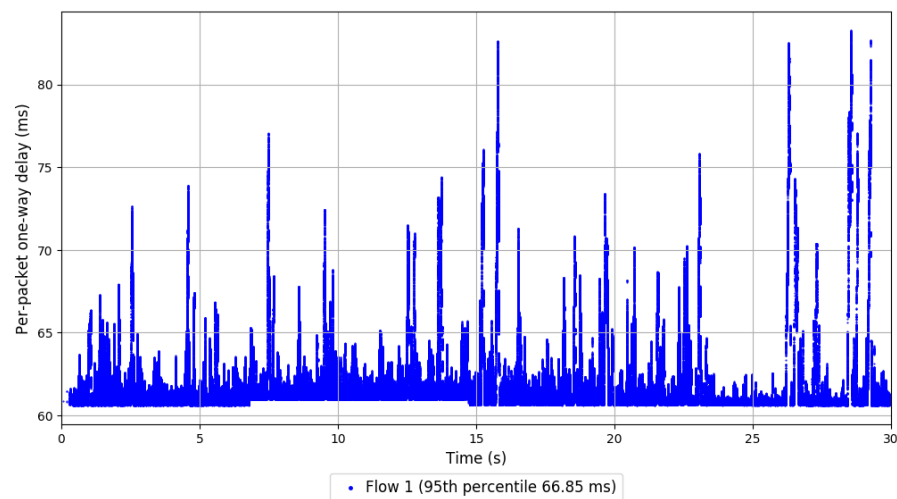
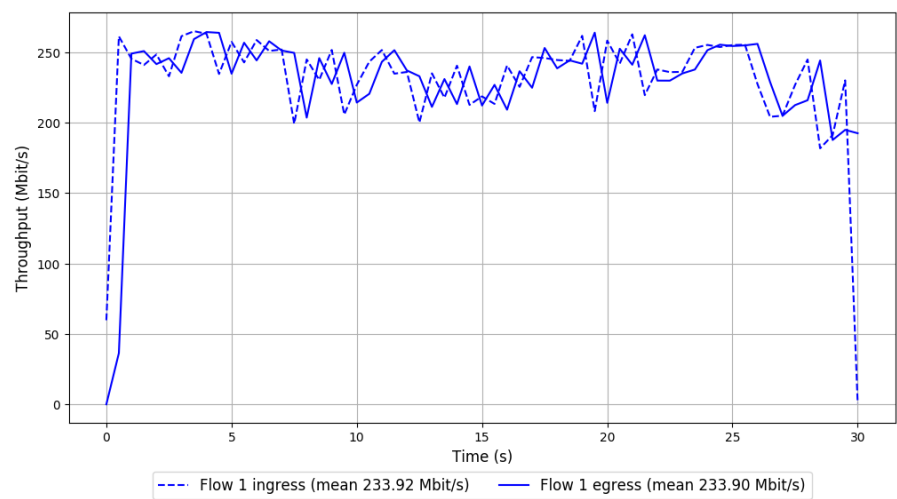
-- Flow 1:

Average throughput: 233.90 Mbit/s

95th percentile per-packet one-way delay: 66.846 ms

Loss rate: 0.44%

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

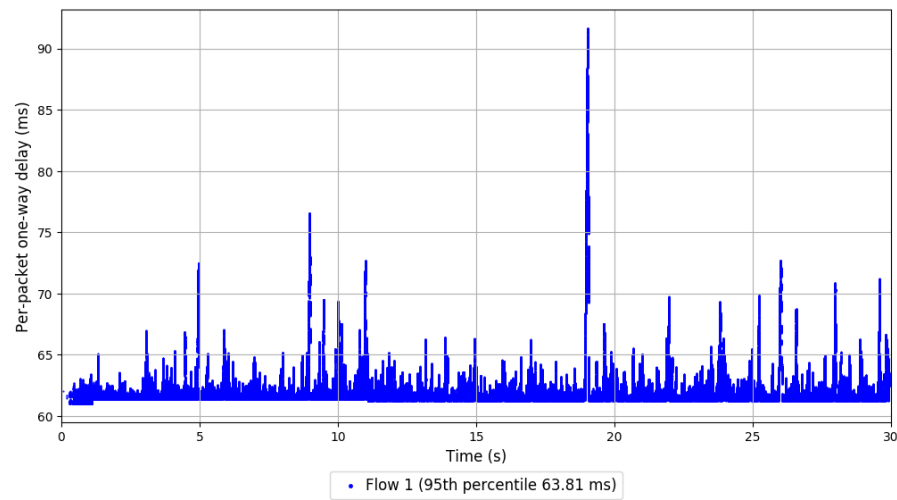
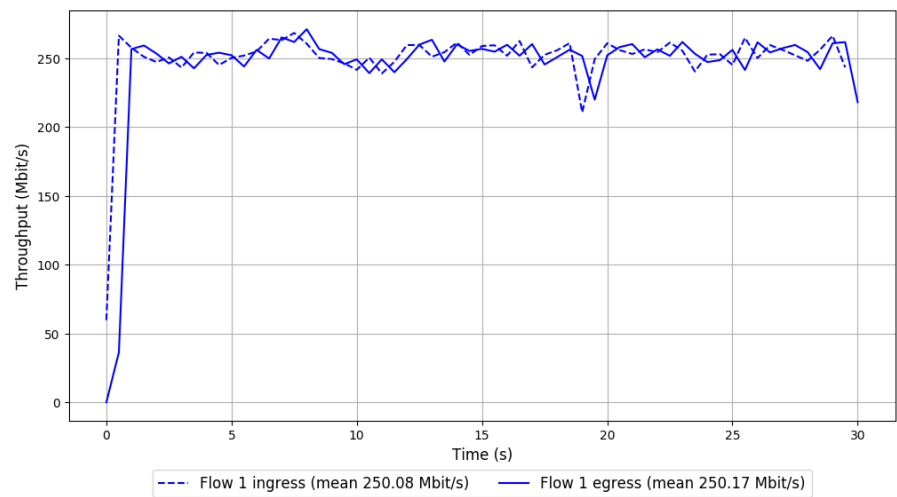


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-02 16:42:58
End at: 2018-08-02 16:43:28
Local clock offset: -0.011 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-08-02 20:00:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.17 Mbit/s
95th percentile per-packet one-way delay: 63.807 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 250.17 Mbit/s
95th percentile per-packet one-way delay: 63.807 ms
Loss rate: 0.40%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-02 17:05:28

End at: 2018-08-02 17:05:58

Local clock offset: 3.369 ms

Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-02 20:00:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.32 Mbit/s

95th percentile per-packet one-way delay: 58.757 ms

Loss rate: 0.57%

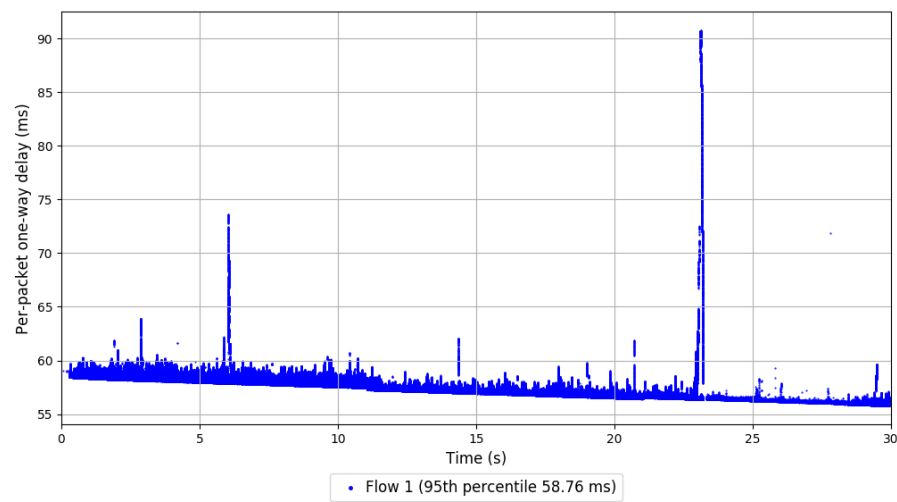
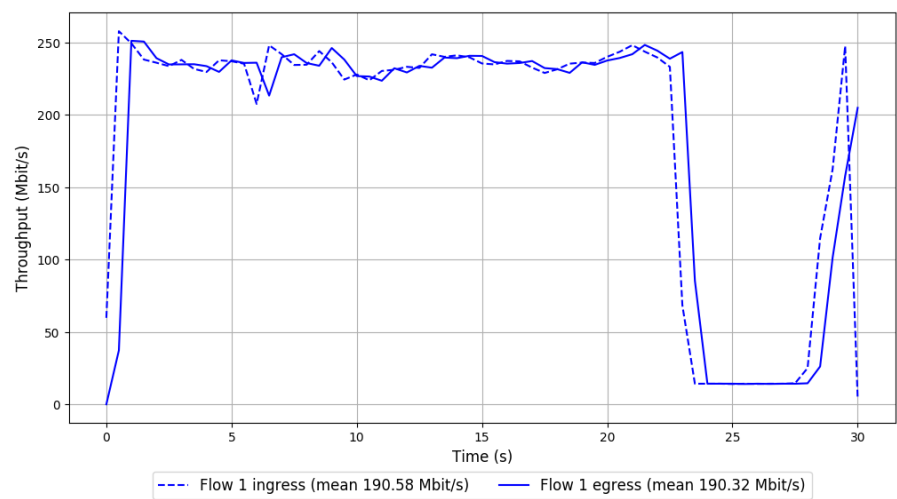
-- Flow 1:

Average throughput: 190.32 Mbit/s

95th percentile per-packet one-way delay: 58.757 ms

Loss rate: 0.57%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-02 17:28:15

End at: 2018-08-02 17:28:45

Local clock offset: 97.97 ms

Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-08-02 20:02:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.67 Mbit/s

95th percentile per-packet one-way delay: 59.055 ms

Loss rate: 0.43%

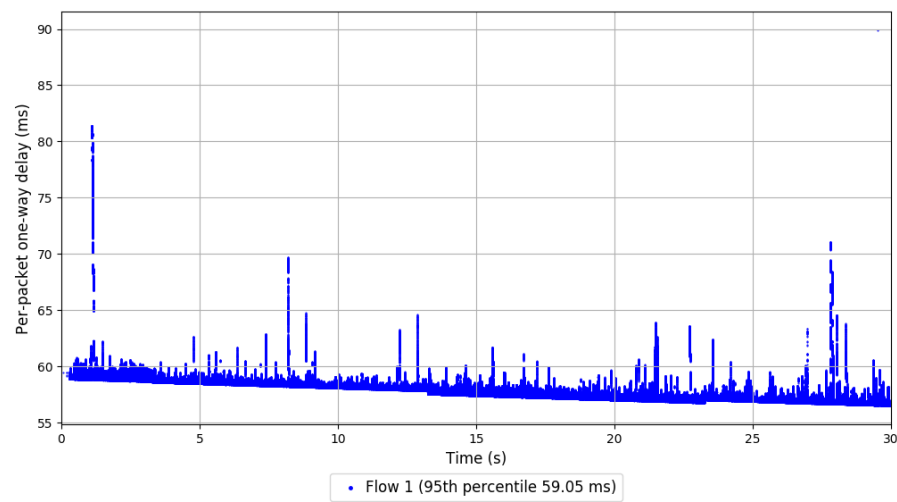
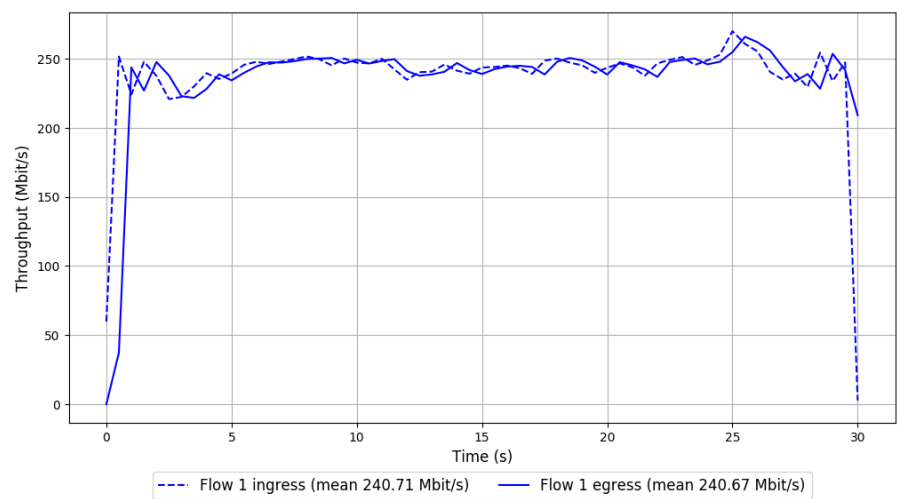
-- Flow 1:

Average throughput: 240.67 Mbit/s

95th percentile per-packet one-way delay: 59.055 ms

Loss rate: 0.43%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-02 17:51:01

End at: 2018-08-02 17:51:31

Local clock offset: 20.986 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-02 20:02:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.99 Mbit/s

95th percentile per-packet one-way delay: 64.992 ms

Loss rate: 0.41%

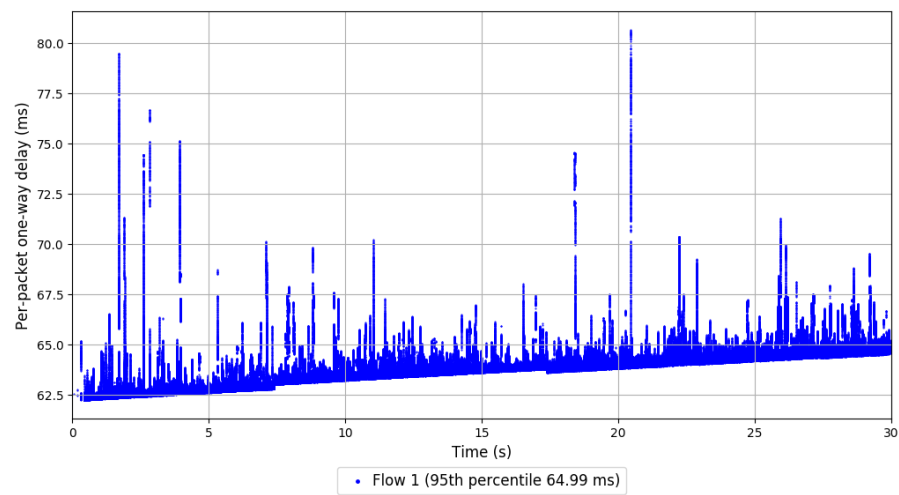
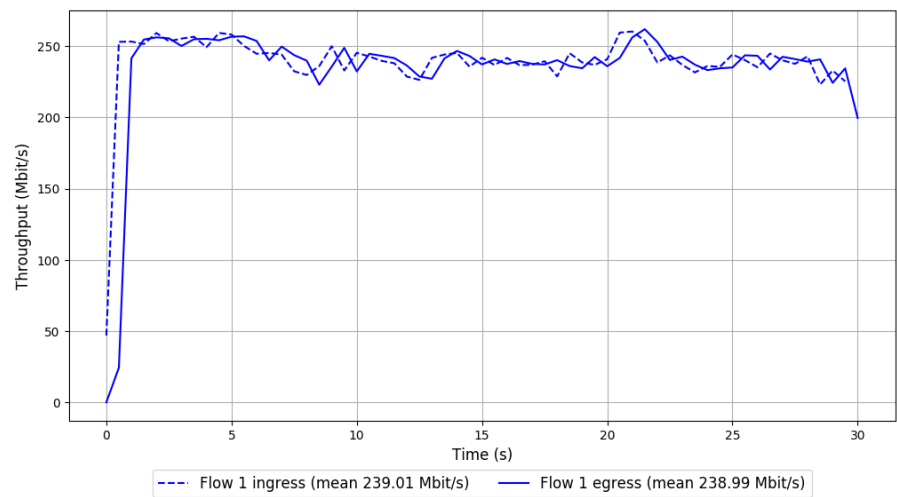
-- Flow 1:

Average throughput: 238.99 Mbit/s

95th percentile per-packet one-way delay: 64.992 ms

Loss rate: 0.41%

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

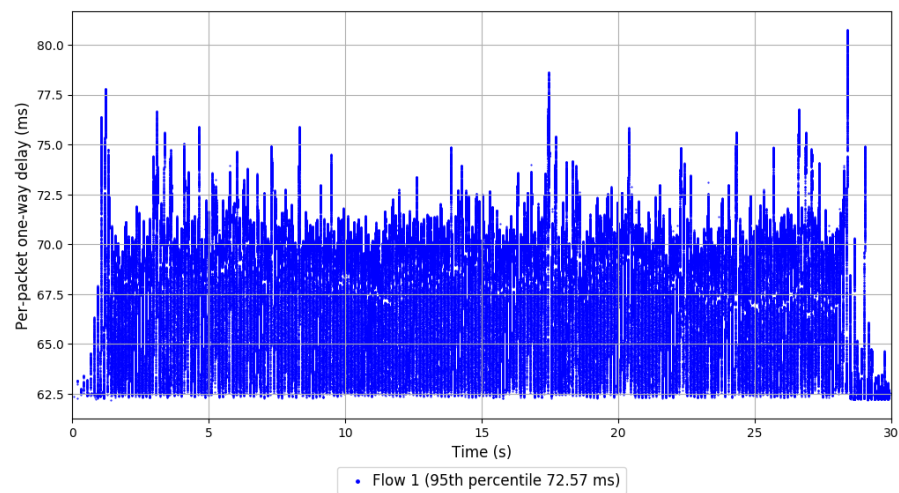
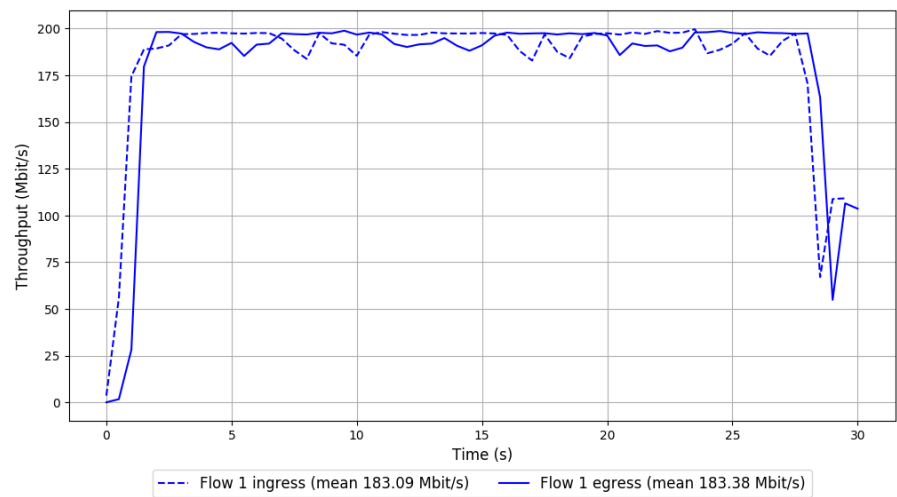


Run 1: Statistics of TCP Vegas

Start at: 2018-08-02 14:36:27
End at: 2018-08-02 14:36:57
Local clock offset: -0.099 ms
Remote clock offset: -1.455 ms

Below is generated by plot.py at 2018-08-02 20:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.38 Mbit/s
95th percentile per-packet one-way delay: 72.570 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 183.38 Mbit/s
95th percentile per-packet one-way delay: 72.570 ms
Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link

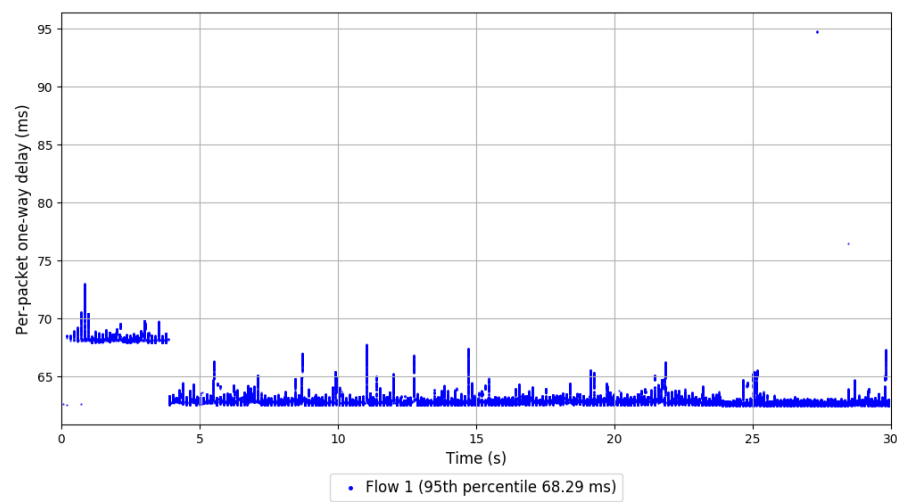
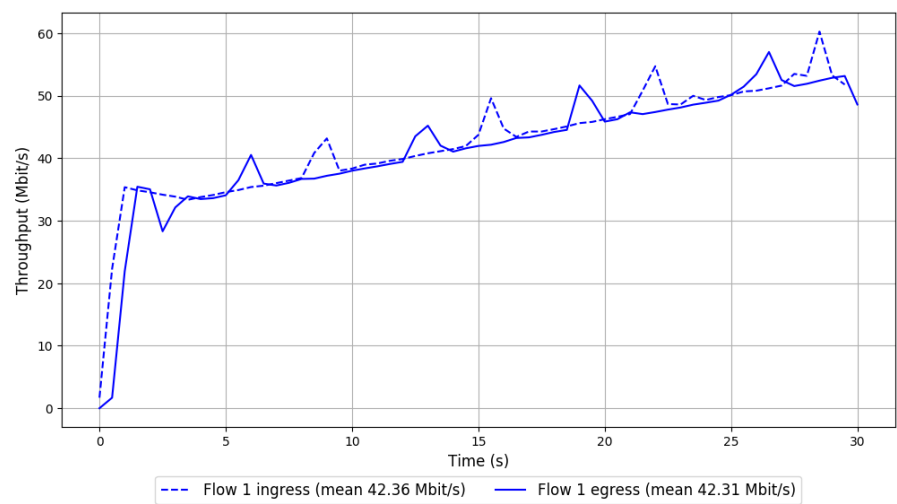


Run 2: Statistics of TCP Vegas

Start at: 2018-08-02 14:58:35
End at: 2018-08-02 14:59:05
Local clock offset: -0.008 ms
Remote clock offset: -1.82 ms

Below is generated by plot.py at 2018-08-02 20:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.31 Mbit/s
95th percentile per-packet one-way delay: 68.287 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 42.31 Mbit/s
95th percentile per-packet one-way delay: 68.287 ms
Loss rate: 0.53%

Run 2: Report of TCP Vegas — Data Link

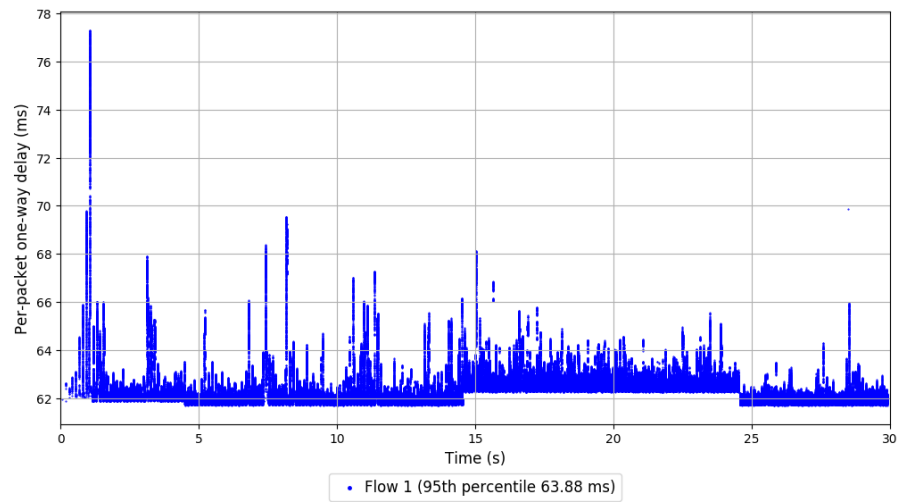
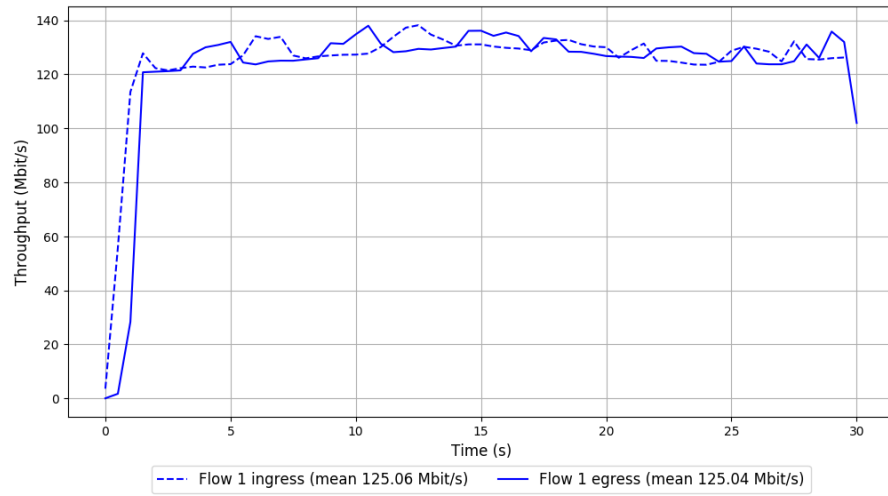


Run 3: Statistics of TCP Vegas

Start at: 2018-08-02 15:20:54
End at: 2018-08-02 15:21:24
Local clock offset: 0.019 ms
Remote clock offset: -1.729 ms

Below is generated by plot.py at 2018-08-02 20:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.04 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 125.04 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 0.42%

Run 3: Report of TCP Vegas — Data Link

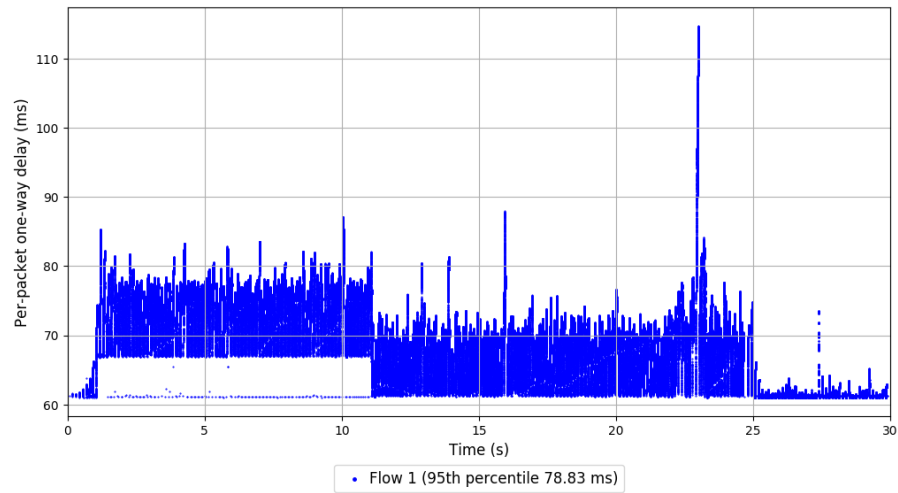
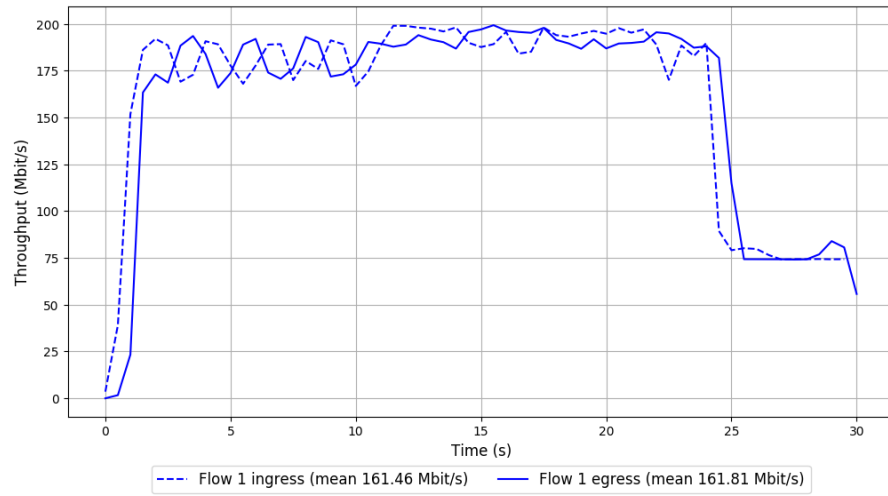


Run 4: Statistics of TCP Vegas

Start at: 2018-08-02 15:43:28
End at: 2018-08-02 15:43:58
Local clock offset: -0.024 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-02 20:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 78.825 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 78.825 ms
Loss rate: 0.19%

Run 4: Report of TCP Vegas — Data Link

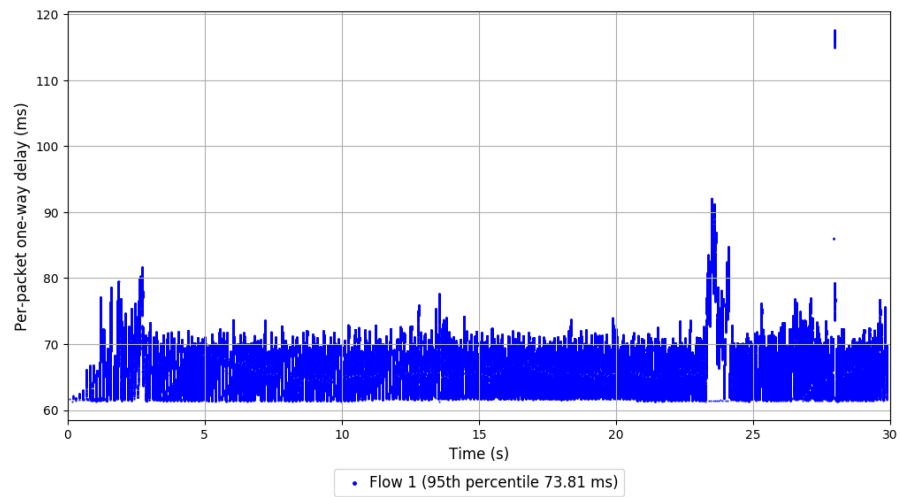
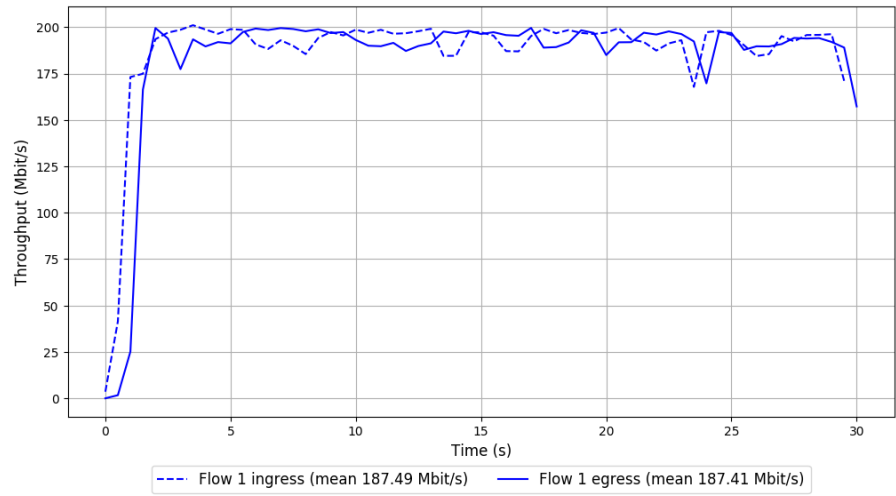


Run 5: Statistics of TCP Vegas

Start at: 2018-08-02 16:06:08
End at: 2018-08-02 16:06:38
Local clock offset: -0.03 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-02 20:02:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.41 Mbit/s
95th percentile per-packet one-way delay: 73.814 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 187.41 Mbit/s
95th percentile per-packet one-way delay: 73.814 ms
Loss rate: 0.44%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-02 16:28:43

End at: 2018-08-02 16:29:13

Local clock offset: -0.034 ms

Remote clock offset: 0.985 ms

Below is generated by plot.py at 2018-08-02 20:02:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.30 Mbit/s

95th percentile per-packet one-way delay: 69.639 ms

Loss rate: 0.43%

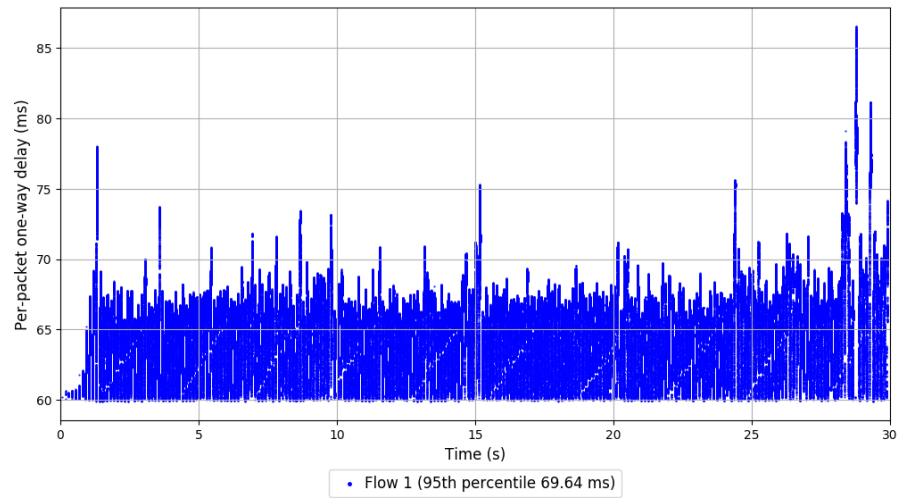
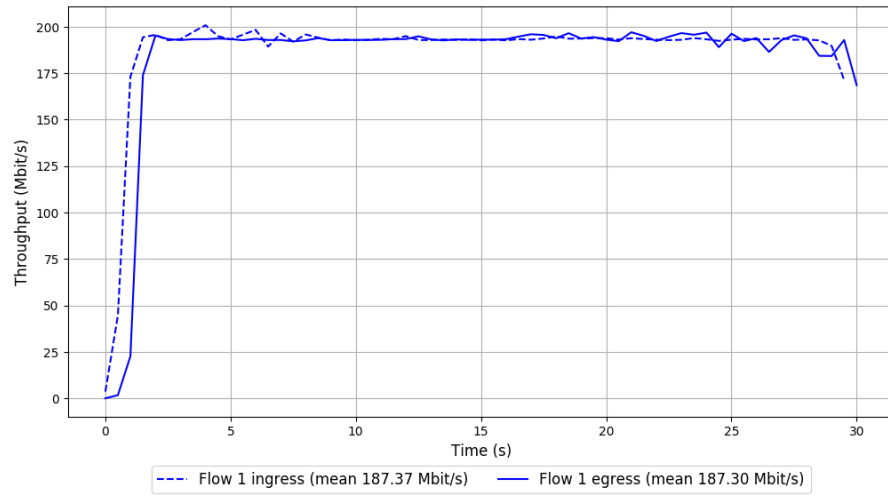
-- Flow 1:

Average throughput: 187.30 Mbit/s

95th percentile per-packet one-way delay: 69.639 ms

Loss rate: 0.43%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-02 16:51:23

End at: 2018-08-02 16:51:53

Local clock offset: -0.062 ms

Remote clock offset: 0.946 ms

Below is generated by plot.py at 2018-08-02 20:02:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.67 Mbit/s

95th percentile per-packet one-way delay: 68.932 ms

Loss rate: 0.47%

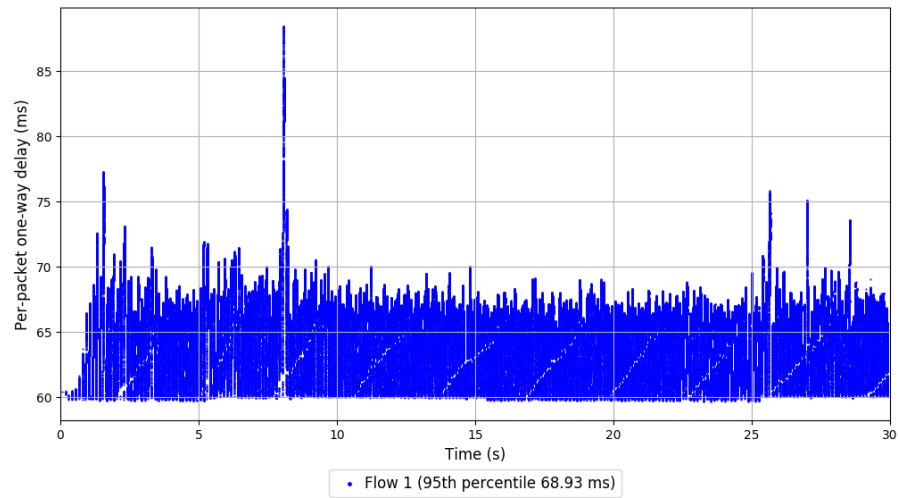
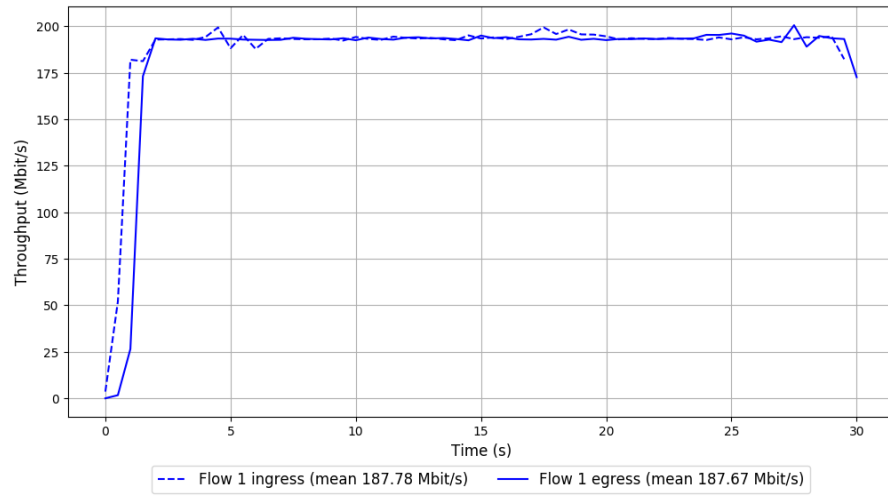
-- Flow 1:

Average throughput: 187.67 Mbit/s

95th percentile per-packet one-way delay: 68.932 ms

Loss rate: 0.47%

Run 7: Report of TCP Vegas — Data Link

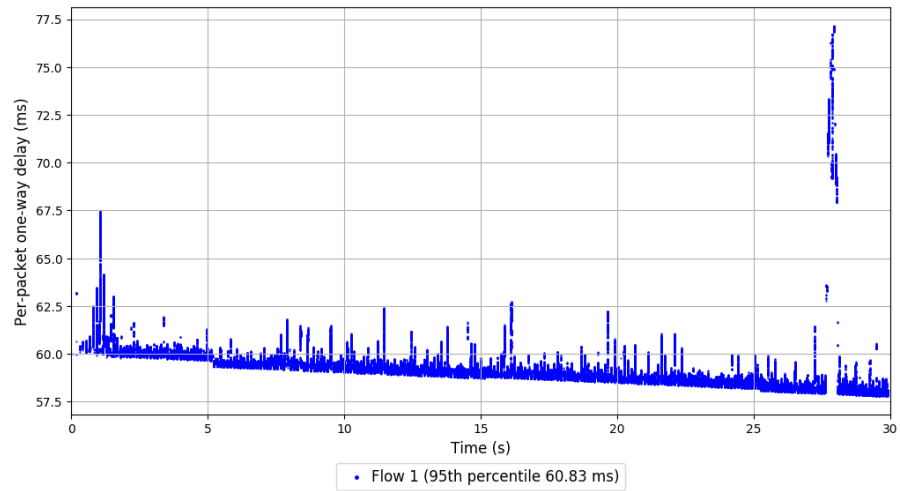
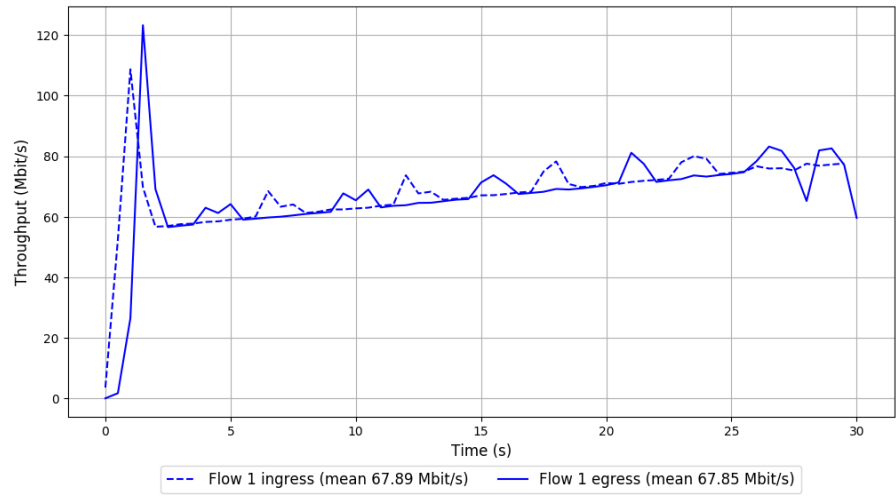


Run 8: Statistics of TCP Vegas

Start at: 2018-08-02 17:13:54
End at: 2018-08-02 17:14:24
Local clock offset: 36.905 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-02 20:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 60.829 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 60.829 ms
Loss rate: 0.48%

Run 8: Report of TCP Vegas — Data Link

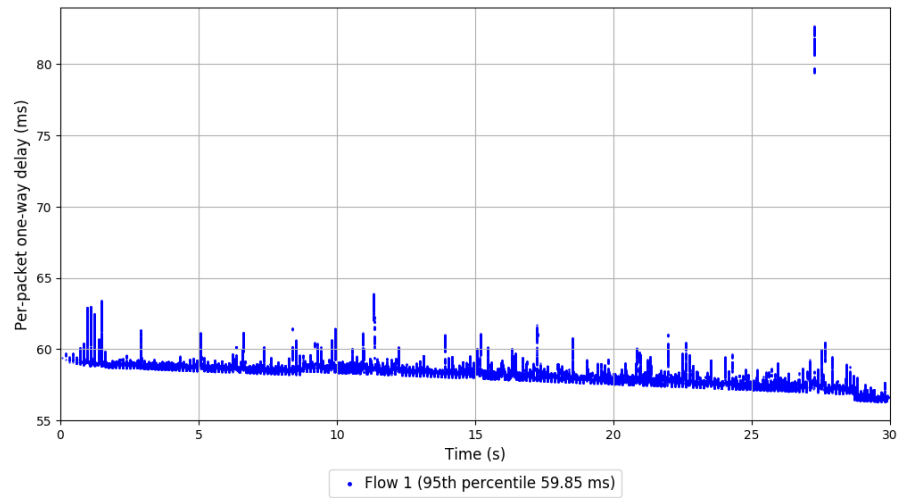
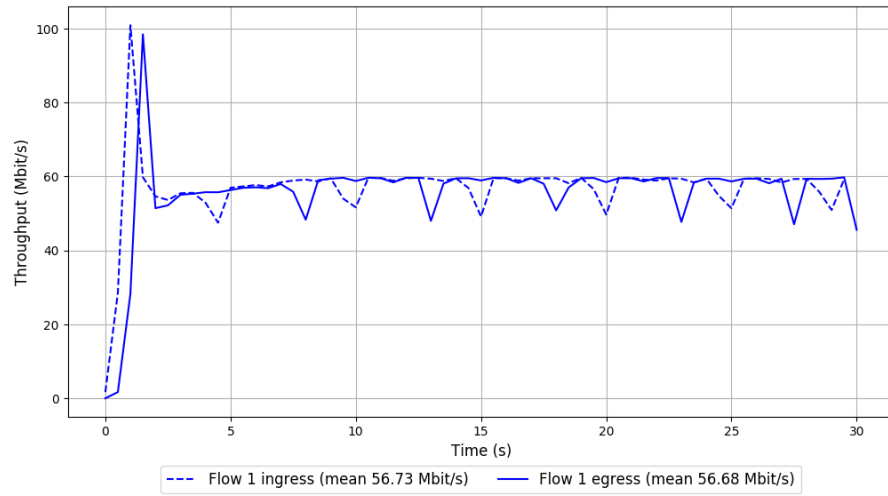


Run 9: Statistics of TCP Vegas

Start at: 2018-08-02 17:36:50
End at: 2018-08-02 17:37:20
Local clock offset: 138.804 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-02 20:02:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 59.854 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 59.854 ms
Loss rate: 0.44%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-02 17:59:39

End at: 2018-08-02 18:00:09

Local clock offset: 1.525 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-02 20:03:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 61.753 ms

Loss rate: 0.40%

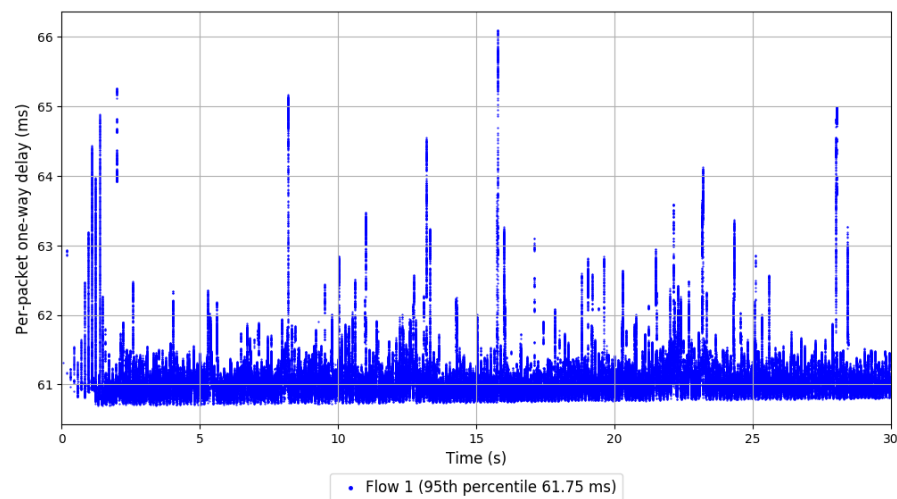
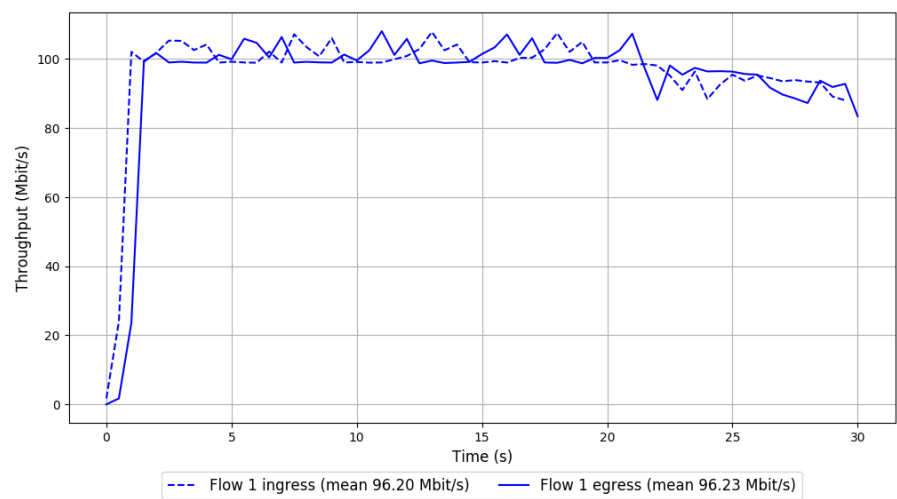
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 61.753 ms

Loss rate: 0.40%

Run 10: Report of TCP Vegas — Data Link

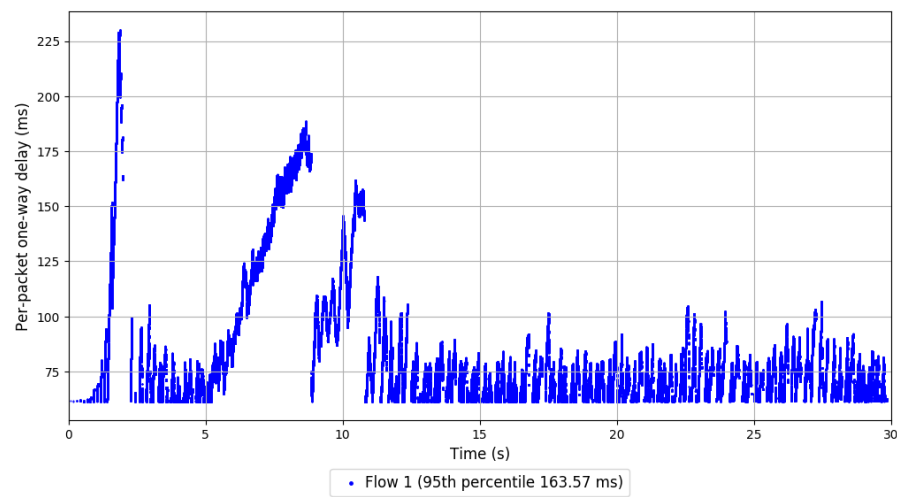
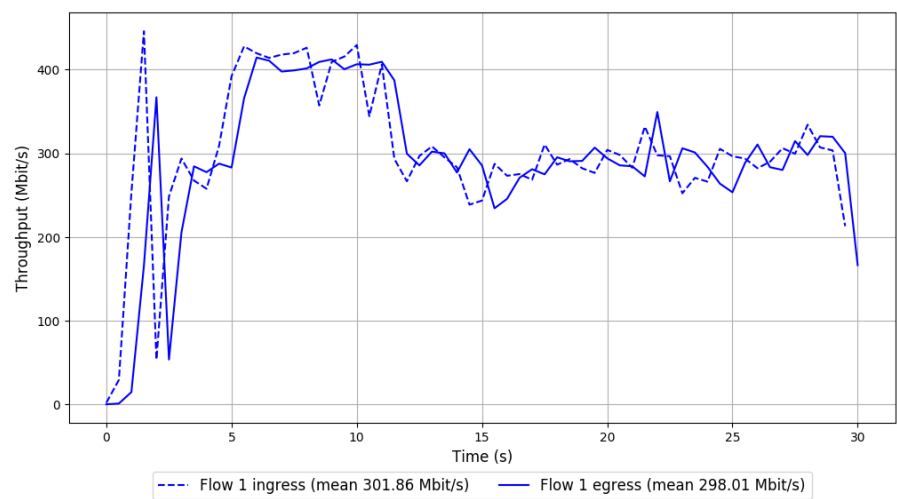


Run 1: Statistics of Verus

Start at: 2018-08-02 14:38:58
End at: 2018-08-02 14:39:28
Local clock offset: -0.121 ms
Remote clock offset: -0.668 ms

Below is generated by plot.py at 2018-08-02 20:07:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.01 Mbit/s
95th percentile per-packet one-way delay: 163.568 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 298.01 Mbit/s
95th percentile per-packet one-way delay: 163.568 ms
Loss rate: 1.67%

Run 1: Report of Verus — Data Link

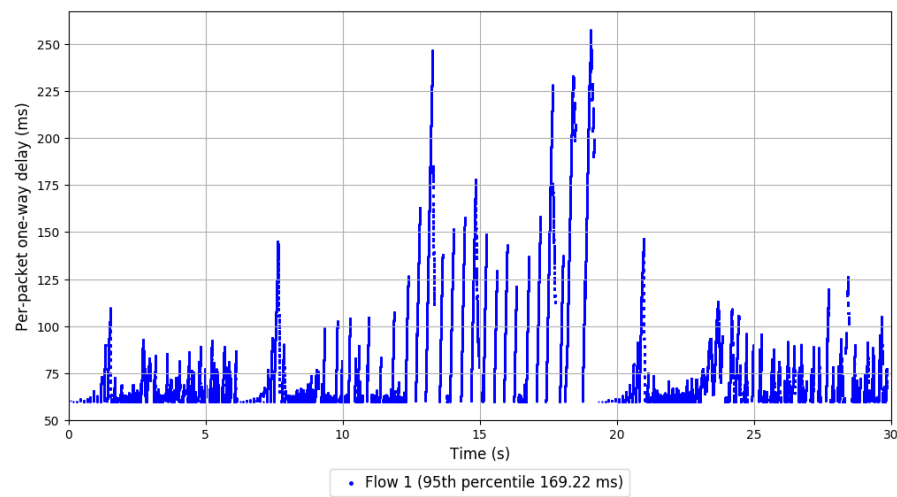
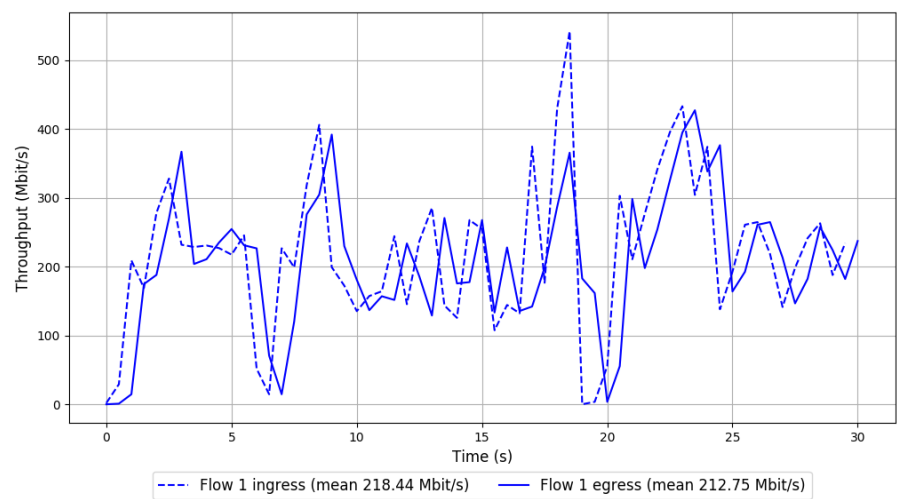


Run 2: Statistics of Verus

Start at: 2018-08-02 15:00:58
End at: 2018-08-02 15:01:28
Local clock offset: -0.013 ms
Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-08-02 20:07:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.75 Mbit/s
95th percentile per-packet one-way delay: 169.219 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 212.75 Mbit/s
95th percentile per-packet one-way delay: 169.219 ms
Loss rate: 3.12%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-02 15:23:20

End at: 2018-08-02 15:23:50

Local clock offset: -0.012 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2018-08-02 20:07:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.15 Mbit/s

95th percentile per-packet one-way delay: 131.727 ms

Loss rate: 2.93%

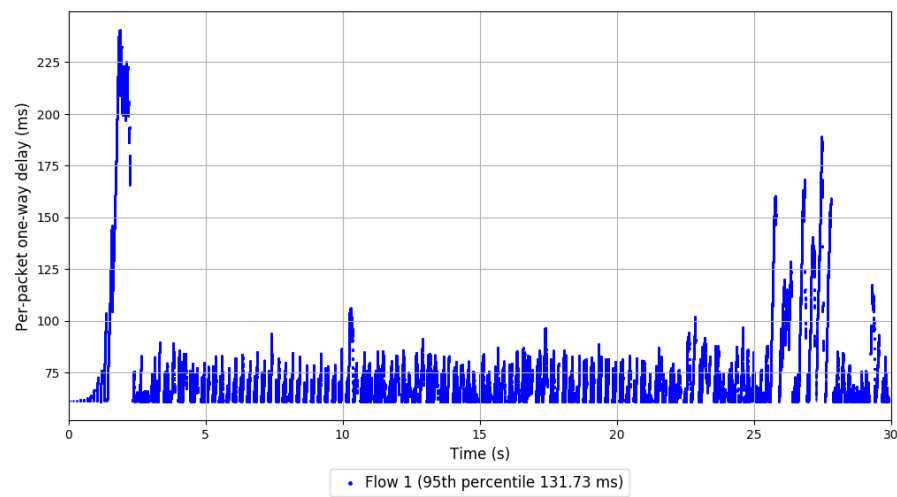
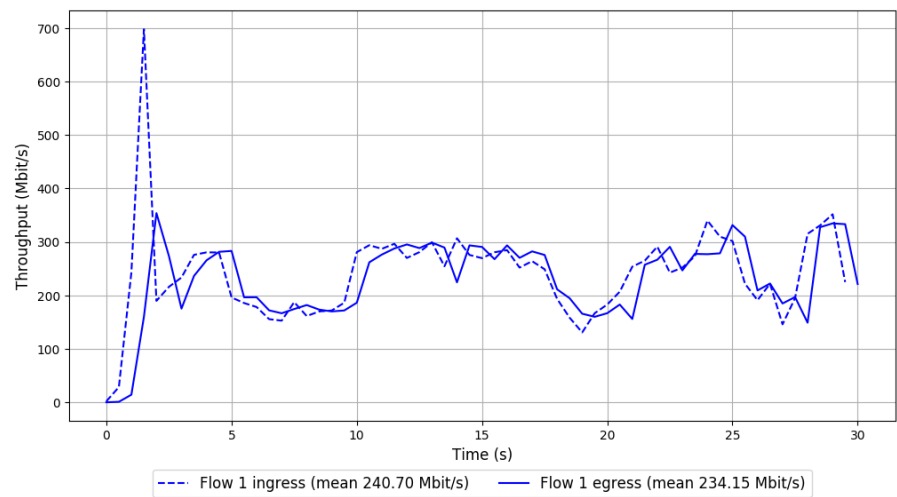
-- Flow 1:

Average throughput: 234.15 Mbit/s

95th percentile per-packet one-way delay: 131.727 ms

Loss rate: 2.93%

Run 3: Report of Verus — Data Link

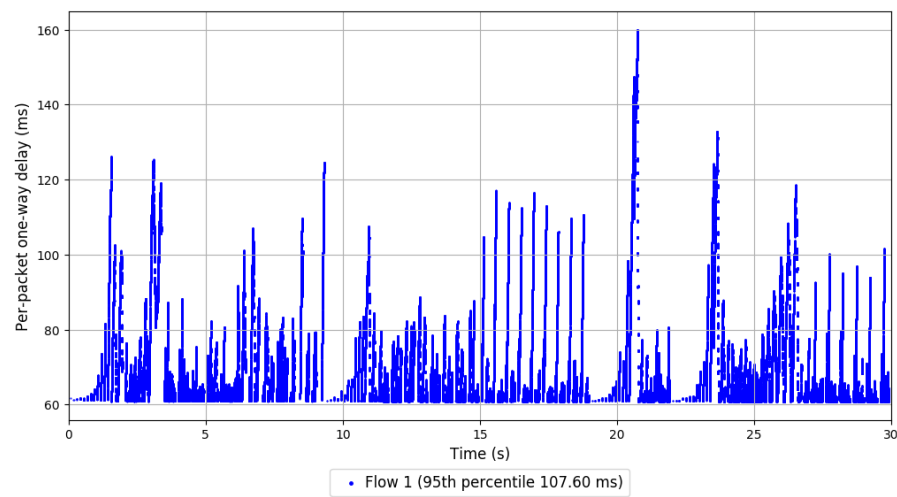
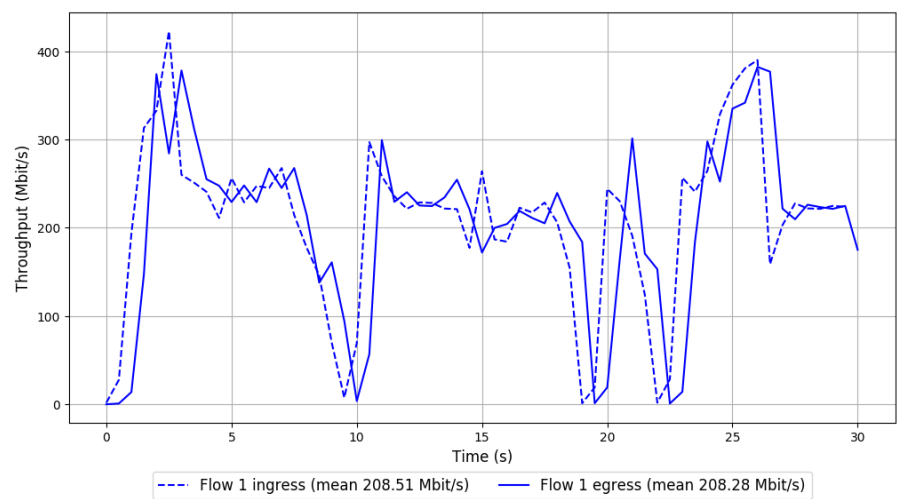


Run 4: Statistics of Verus

Start at: 2018-08-02 15:45:57
End at: 2018-08-02 15:46:27
Local clock offset: -0.035 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-02 20:07:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.28 Mbit/s
95th percentile per-packet one-way delay: 107.602 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 208.28 Mbit/s
95th percentile per-packet one-way delay: 107.602 ms
Loss rate: 0.39%

Run 4: Report of Verus — Data Link

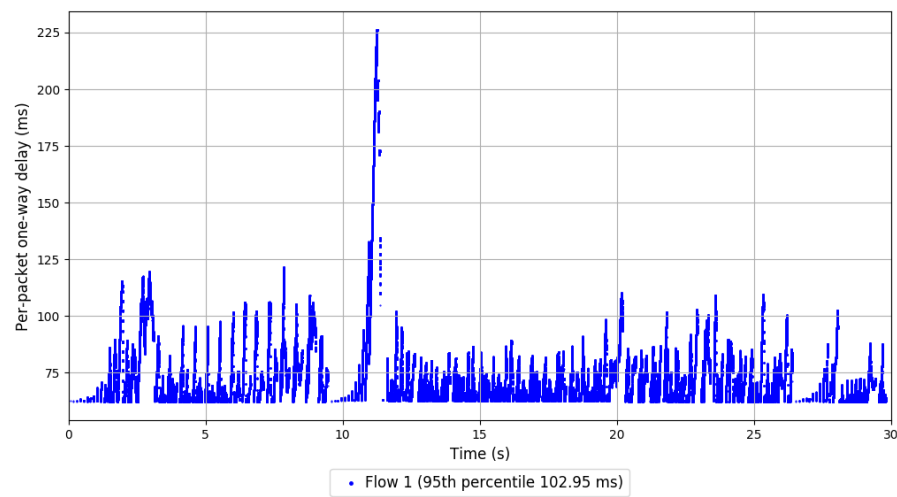
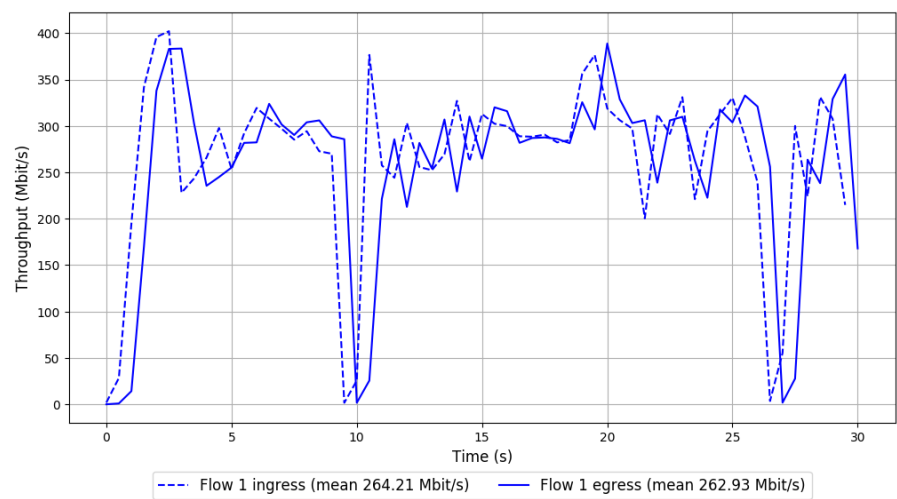


Run 5: Statistics of Verus

Start at: 2018-08-02 16:08:39
End at: 2018-08-02 16:09:09
Local clock offset: -0.01 ms
Remote clock offset: -1.454 ms

Below is generated by plot.py at 2018-08-02 20:07:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.93 Mbit/s
95th percentile per-packet one-way delay: 102.954 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 262.93 Mbit/s
95th percentile per-packet one-way delay: 102.954 ms
Loss rate: 1.14%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-02 16:31:14

End at: 2018-08-02 16:31:44

Local clock offset: 0.001 ms

Remote clock offset: 1.008 ms

Below is generated by plot.py at 2018-08-02 20:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.09 Mbit/s

95th percentile per-packet one-way delay: 202.205 ms

Loss rate: 7.44%

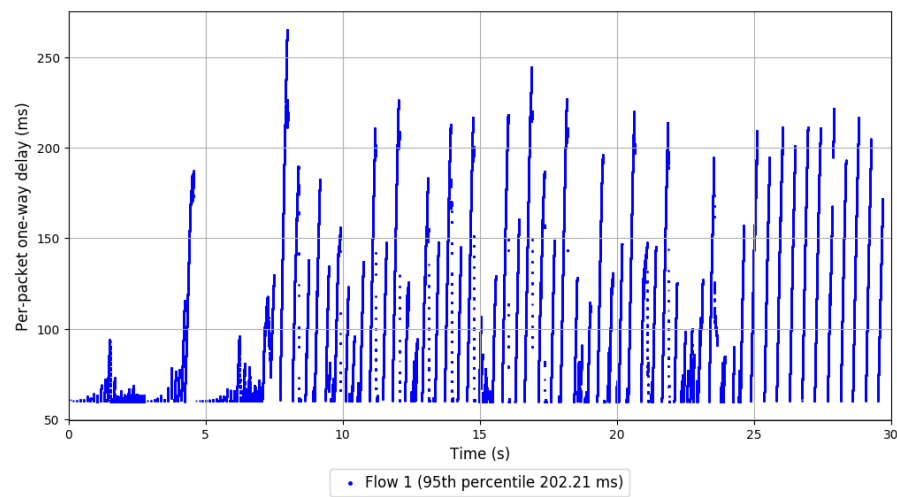
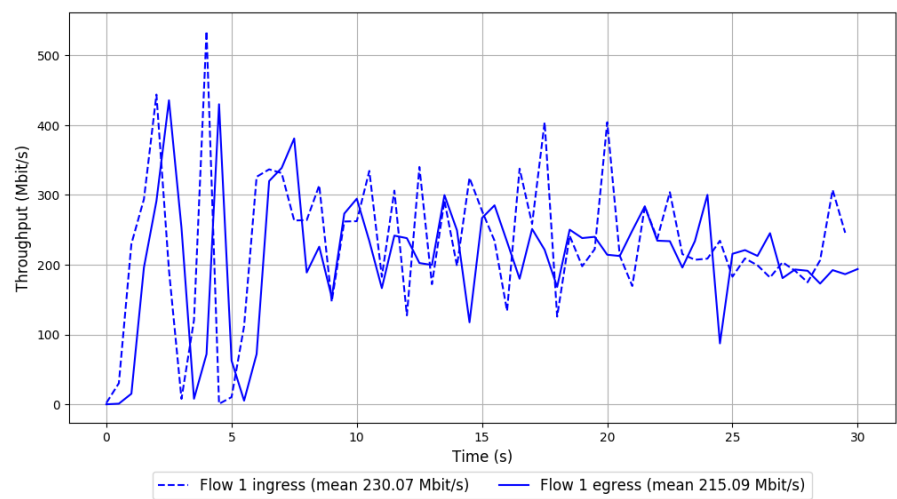
-- Flow 1:

Average throughput: 215.09 Mbit/s

95th percentile per-packet one-way delay: 202.205 ms

Loss rate: 7.44%

Run 6: Report of Verus — Data Link

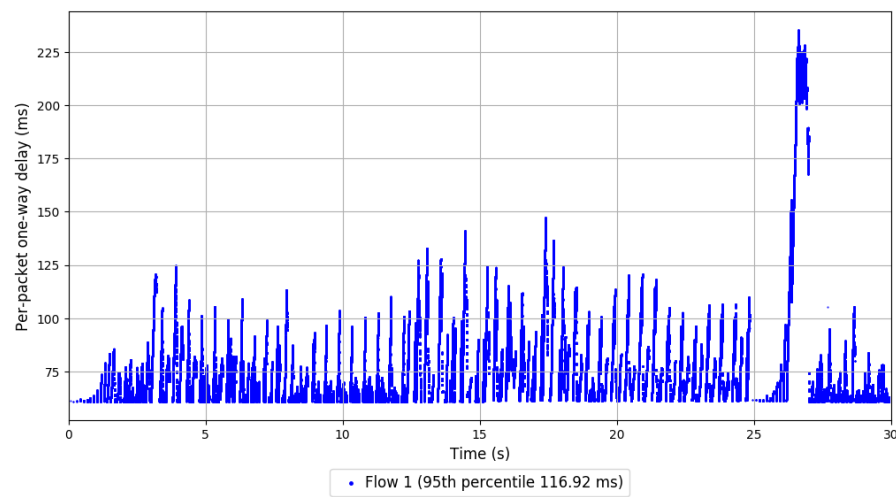
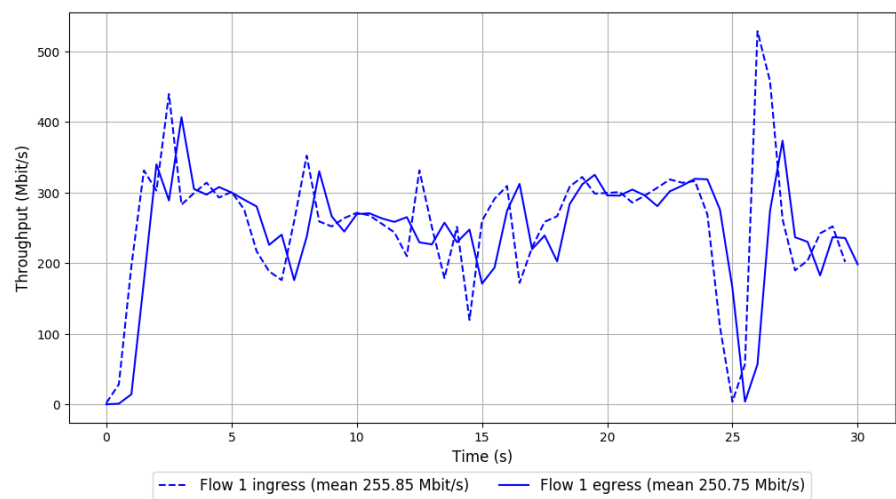


Run 7: Statistics of Verus

Start at: 2018-08-02 16:53:54
End at: 2018-08-02 16:54:24
Local clock offset: -0.064 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-08-02 20:07:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.75 Mbit/s
95th percentile per-packet one-way delay: 116.919 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 250.75 Mbit/s
95th percentile per-packet one-way delay: 116.919 ms
Loss rate: 2.41%

Run 7: Report of Verus — Data Link

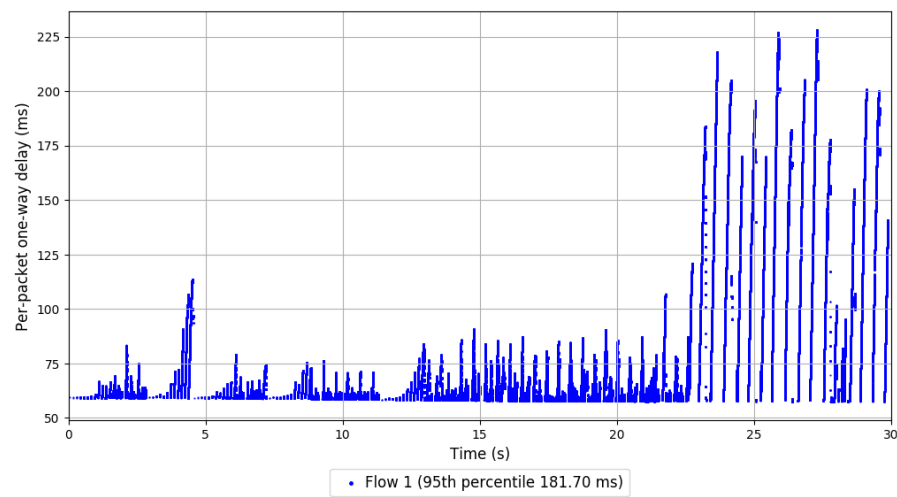
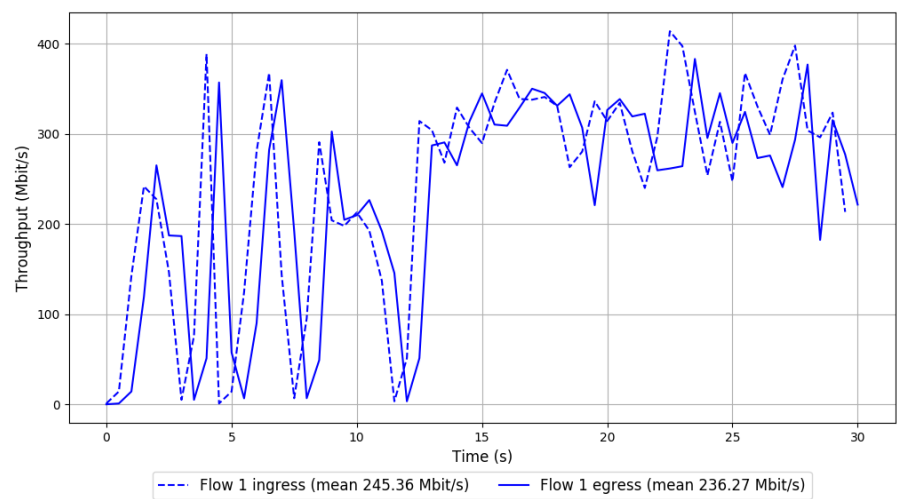


Run 8: Statistics of Verus

Start at: 2018-08-02 17:16:17
End at: 2018-08-02 17:16:47
Local clock offset: 45.539 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-08-02 20:07:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.27 Mbit/s
95th percentile per-packet one-way delay: 181.697 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 236.27 Mbit/s
95th percentile per-packet one-way delay: 181.697 ms
Loss rate: 3.55%

Run 8: Report of Verus — Data Link

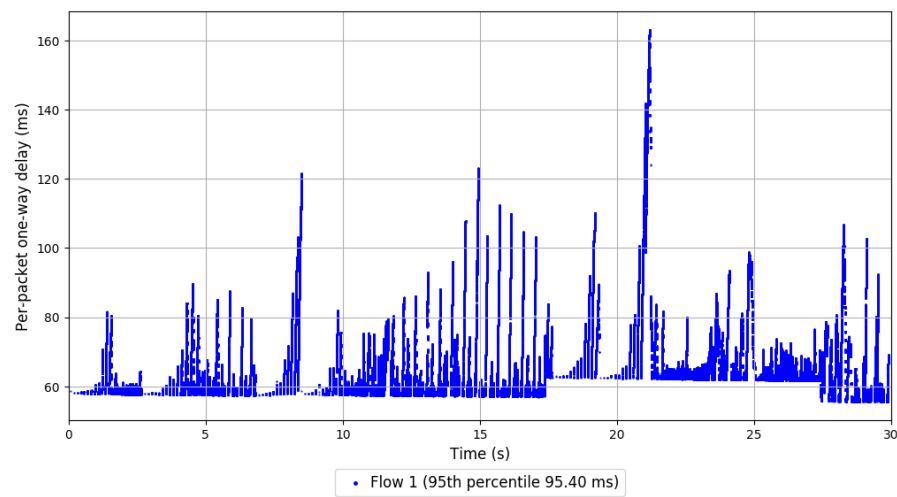
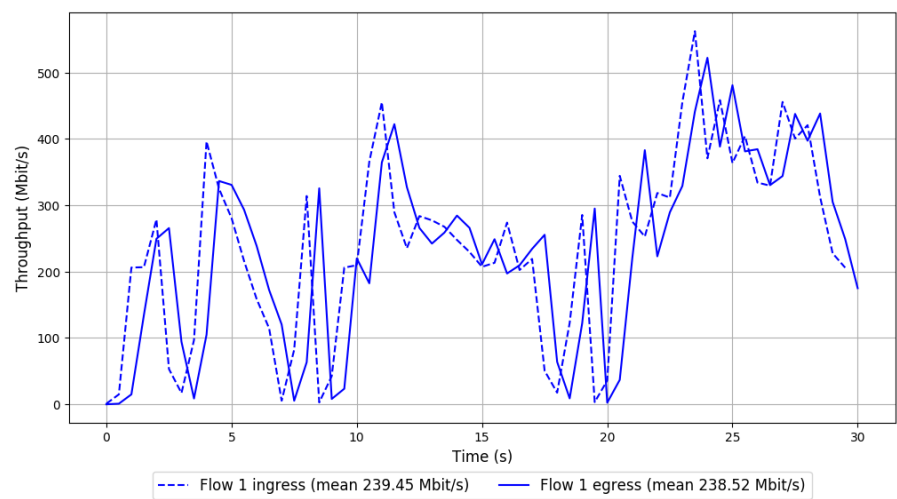


Run 9: Statistics of Verus

Start at: 2018-08-02 17:39:11
End at: 2018-08-02 17:39:41
Local clock offset: 150.485 ms
Remote clock offset: 1.104 ms

Below is generated by plot.py at 2018-08-02 20:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.52 Mbit/s
95th percentile per-packet one-way delay: 95.400 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 238.52 Mbit/s
95th percentile per-packet one-way delay: 95.400 ms
Loss rate: 0.59%

Run 9: Report of Verus — Data Link

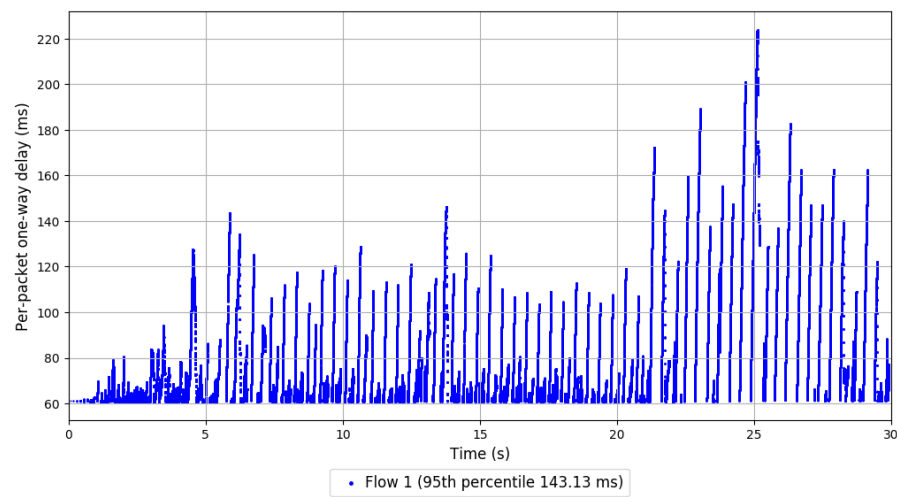
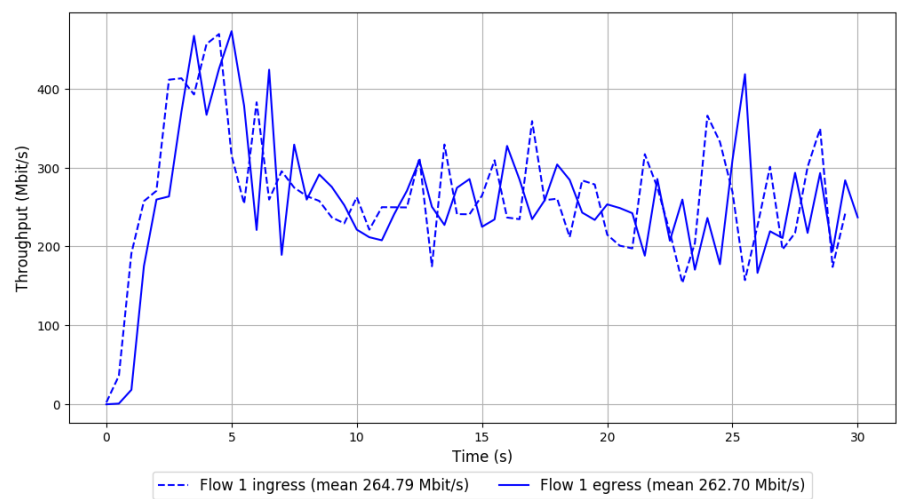


Run 10: Statistics of Verus

Start at: 2018-08-02 18:02:04
End at: 2018-08-02 18:02:34
Local clock offset: 1.04 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-02 20:10:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.70 Mbit/s
95th percentile per-packet one-way delay: 143.130 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 262.70 Mbit/s
95th percentile per-packet one-way delay: 143.130 ms
Loss rate: 0.82%

Run 10: Report of Verus — Data Link

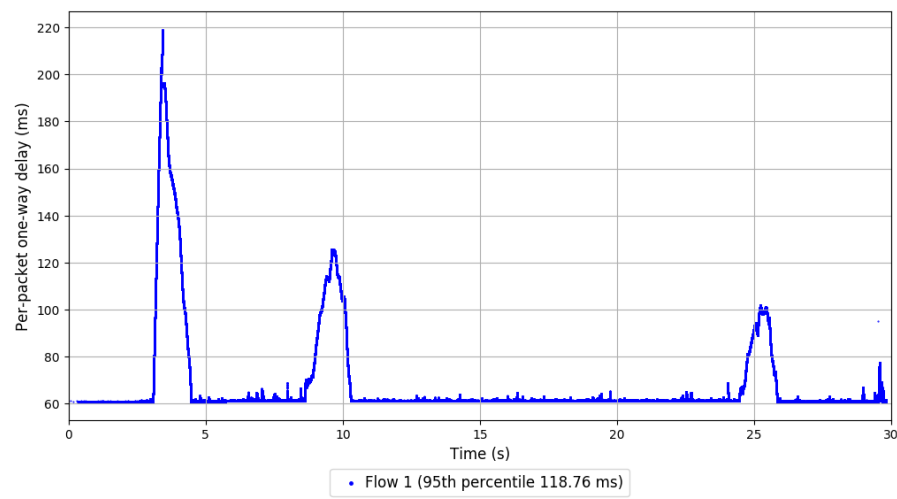
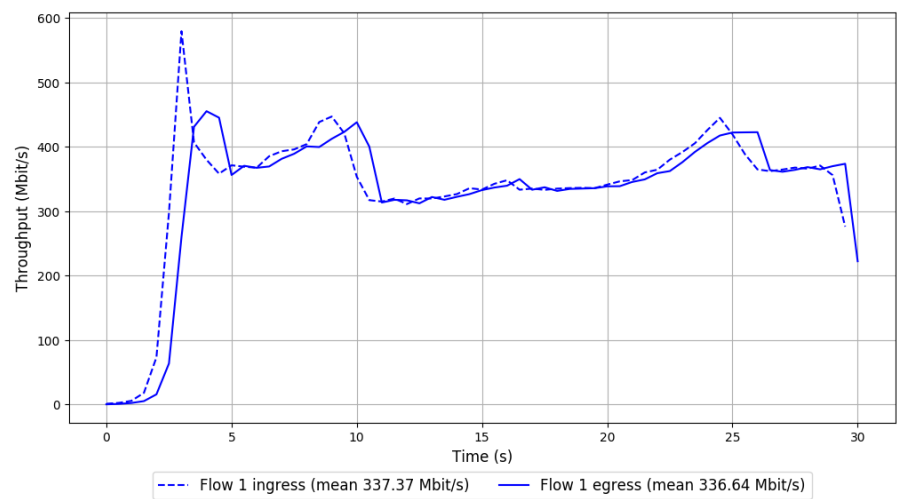


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-02 14:33:53
End at: 2018-08-02 14:34:23
Local clock offset: -0.091 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-08-02 20:13:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.64 Mbit/s
95th percentile per-packet one-way delay: 118.758 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 336.64 Mbit/s
95th percentile per-packet one-way delay: 118.758 ms
Loss rate: 0.63%

Run 1: Report of PCC-Vivace — Data Link

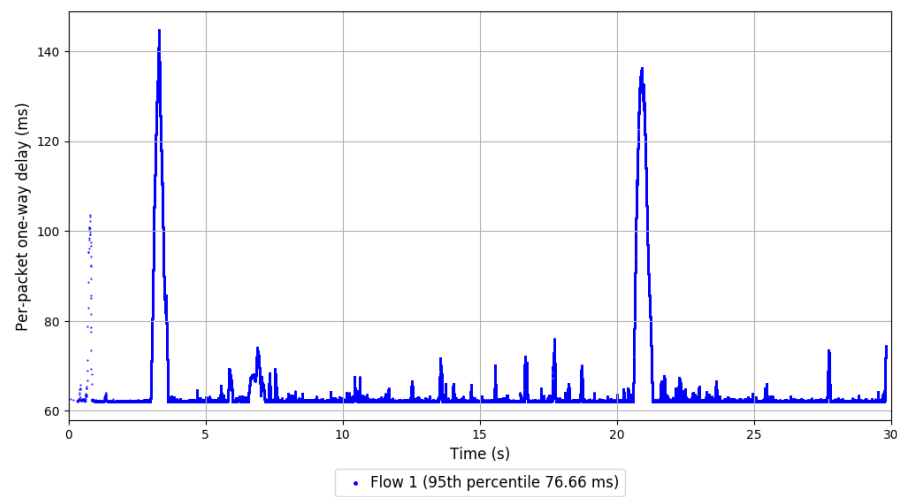
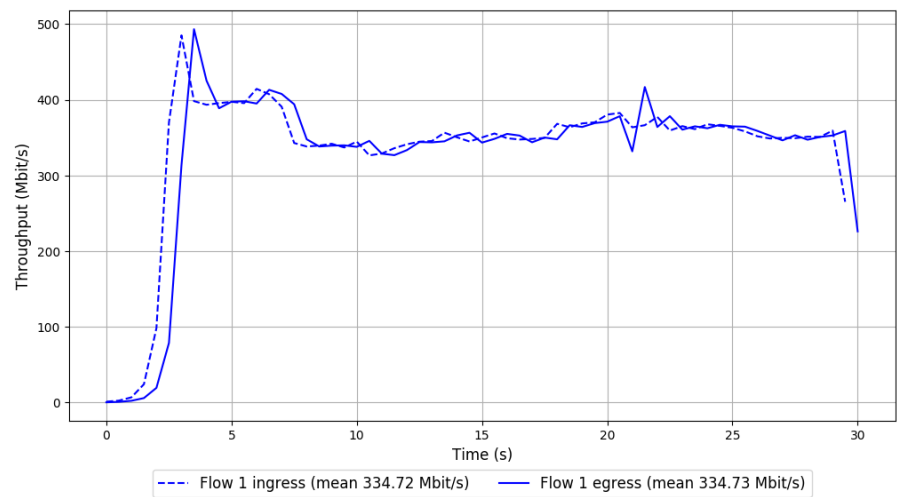


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-02 14:56:01
End at: 2018-08-02 14:56:31
Local clock offset: -0.033 ms
Remote clock offset: -1.532 ms

Below is generated by plot.py at 2018-08-02 20:13:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.73 Mbit/s
95th percentile per-packet one-way delay: 76.656 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 334.73 Mbit/s
95th percentile per-packet one-way delay: 76.656 ms
Loss rate: 0.41%

Run 2: Report of PCC-Vivace — Data Link

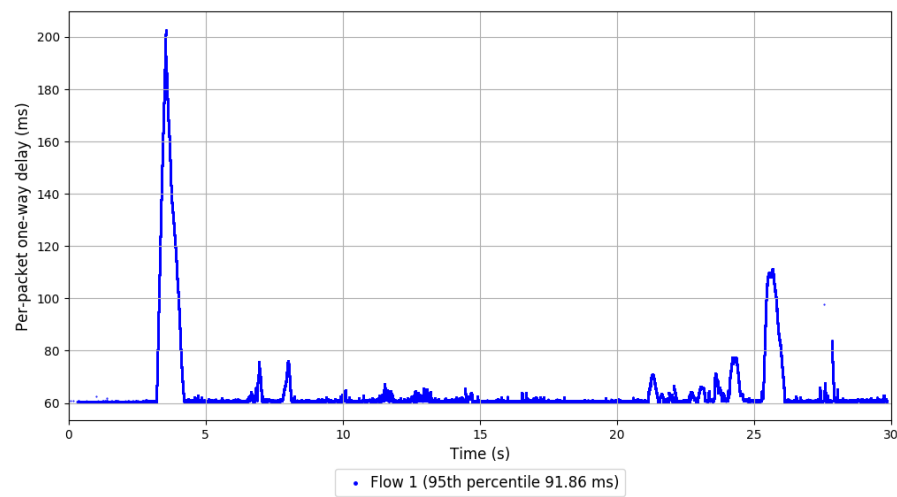
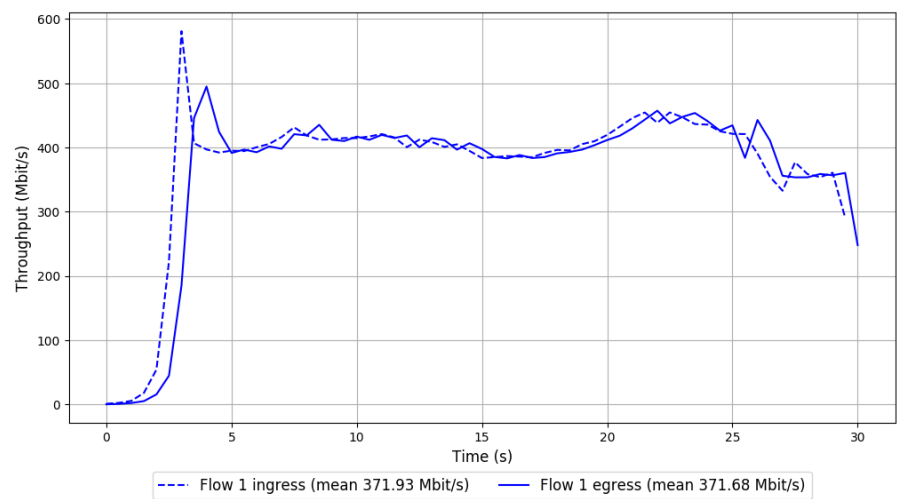


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-02 15:18:18
End at: 2018-08-02 15:18:48
Local clock offset: 0.069 ms
Remote clock offset: -0.478 ms

Below is generated by plot.py at 2018-08-02 20:14:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 91.861 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 91.861 ms
Loss rate: 0.48%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-02 15:40:53

End at: 2018-08-02 15:41:23

Local clock offset: -0.045 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-08-02 20:14:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.74 Mbit/s

95th percentile per-packet one-way delay: 106.605 ms

Loss rate: 0.52%

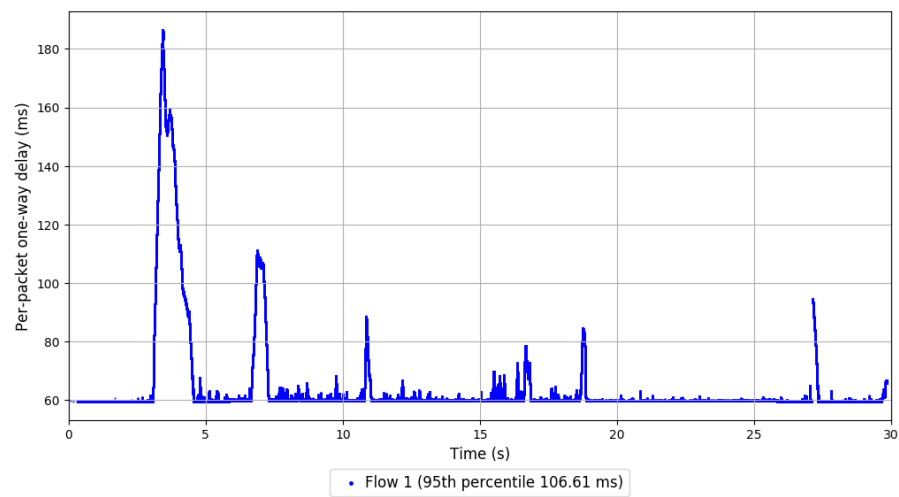
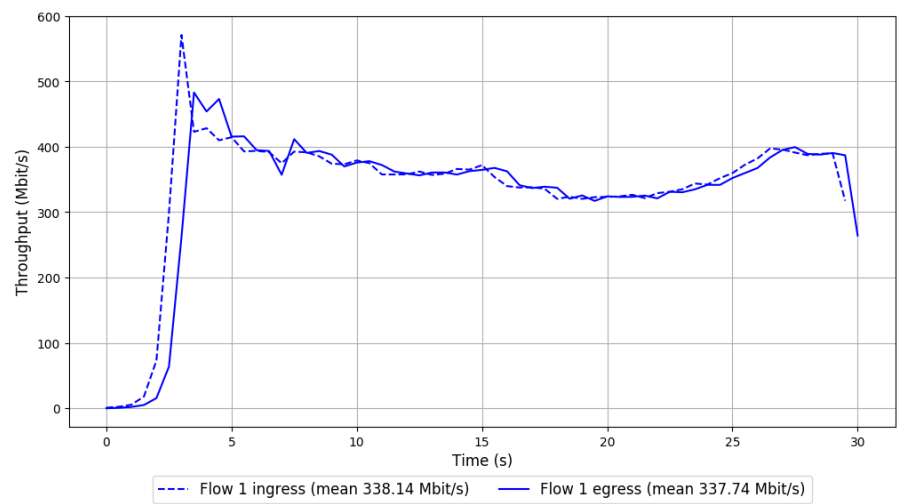
-- Flow 1:

Average throughput: 337.74 Mbit/s

95th percentile per-packet one-way delay: 106.605 ms

Loss rate: 0.52%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-02 16:03:32

End at: 2018-08-02 16:04:02

Local clock offset: -0.029 ms

Remote clock offset: -1.32 ms

Below is generated by plot.py at 2018-08-02 20:14:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.79 Mbit/s

95th percentile per-packet one-way delay: 139.683 ms

Loss rate: 0.51%

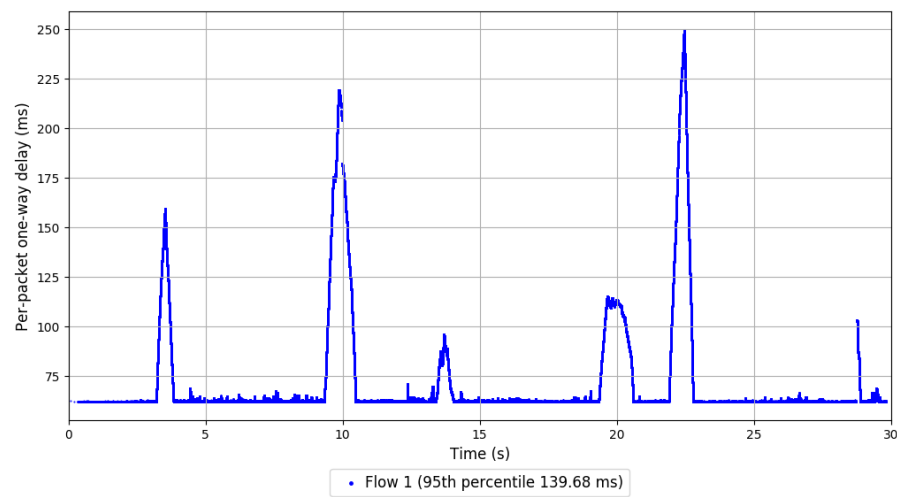
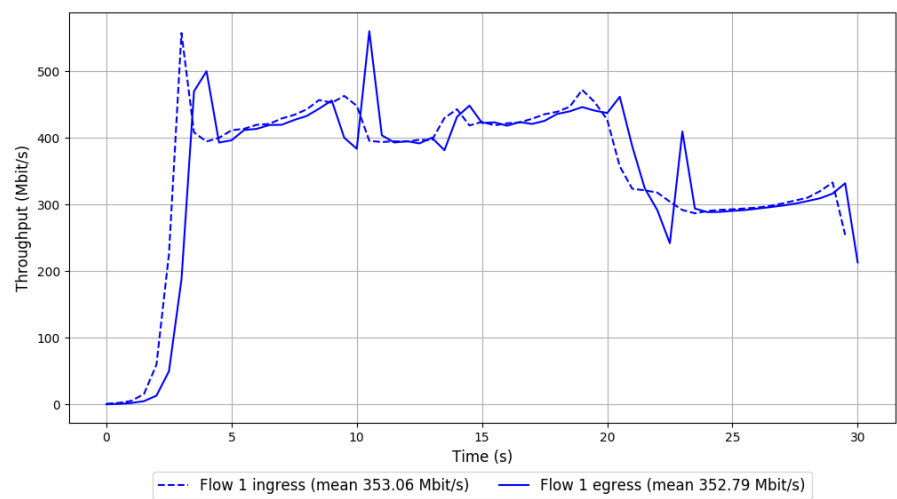
-- Flow 1:

Average throughput: 352.79 Mbit/s

95th percentile per-packet one-way delay: 139.683 ms

Loss rate: 0.51%

Run 5: Report of PCC-Vivace — Data Link

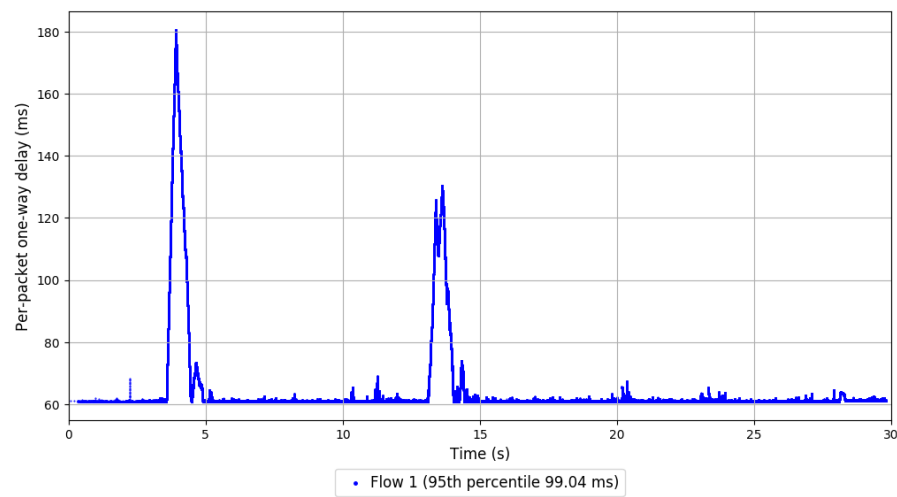
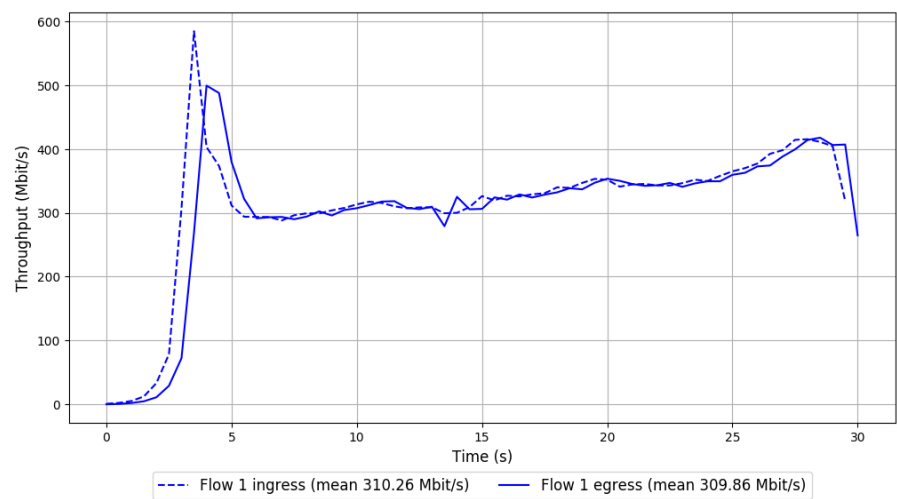


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-02 16:26:10
End at: 2018-08-02 16:26:40
Local clock offset: 0.005 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-02 20:14:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.86 Mbit/s
95th percentile per-packet one-way delay: 99.039 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 309.86 Mbit/s
95th percentile per-packet one-way delay: 99.039 ms
Loss rate: 0.56%

Run 6: Report of PCC-Vivace — Data Link

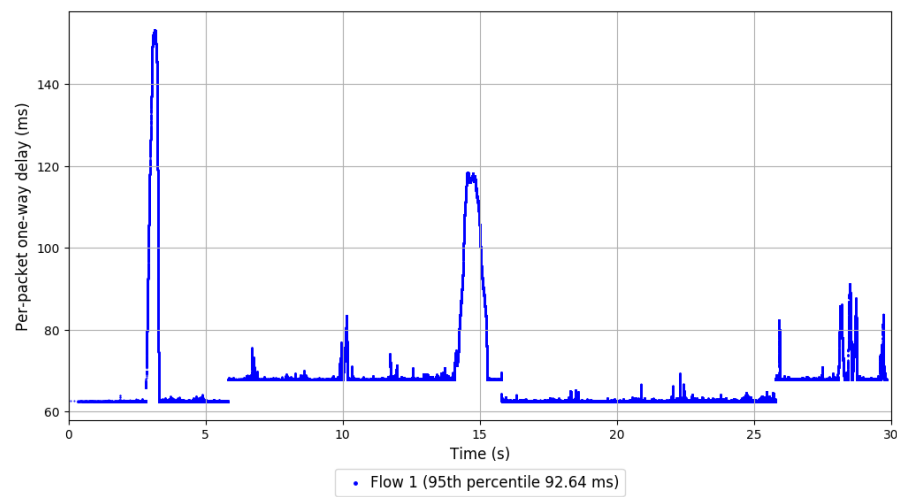
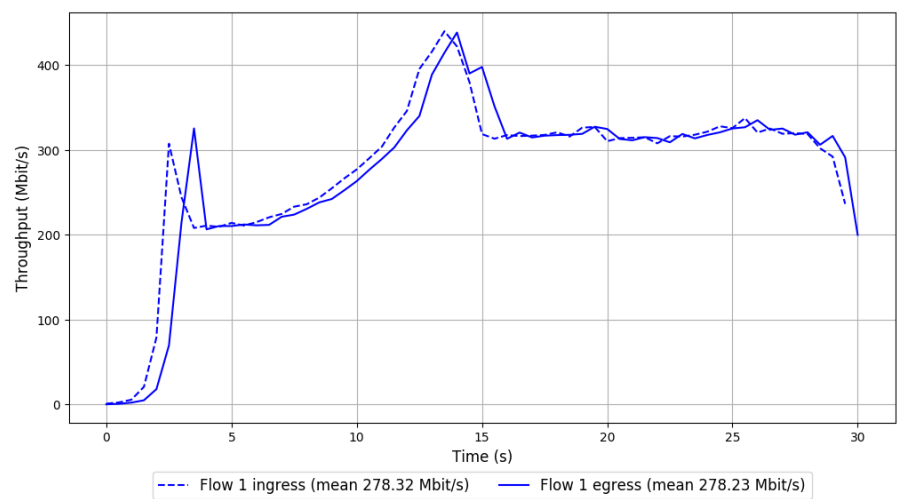


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-02 16:48:53
End at: 2018-08-02 16:49:23
Local clock offset: -0.056 ms
Remote clock offset: -1.466 ms

Below is generated by plot.py at 2018-08-02 20:14:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.23 Mbit/s
95th percentile per-packet one-way delay: 92.636 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 278.23 Mbit/s
95th percentile per-packet one-way delay: 92.636 ms
Loss rate: 0.46%

Run 7: Report of PCC-Vivace — Data Link

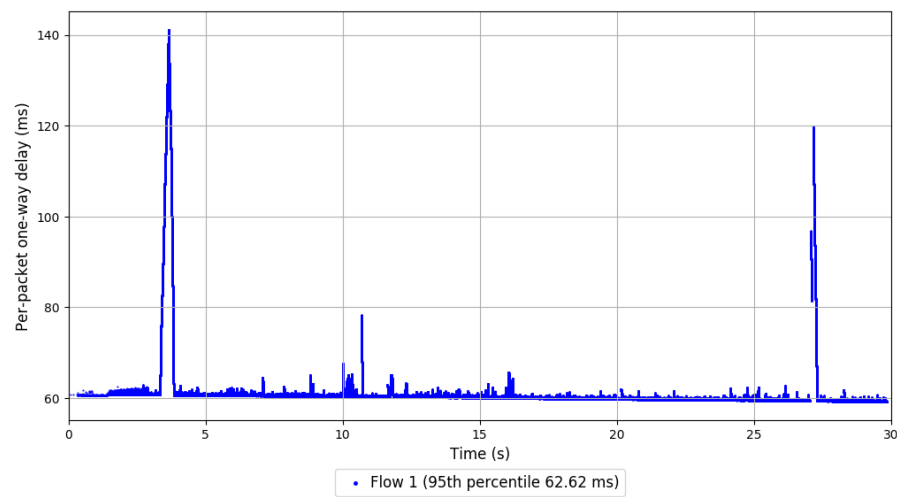
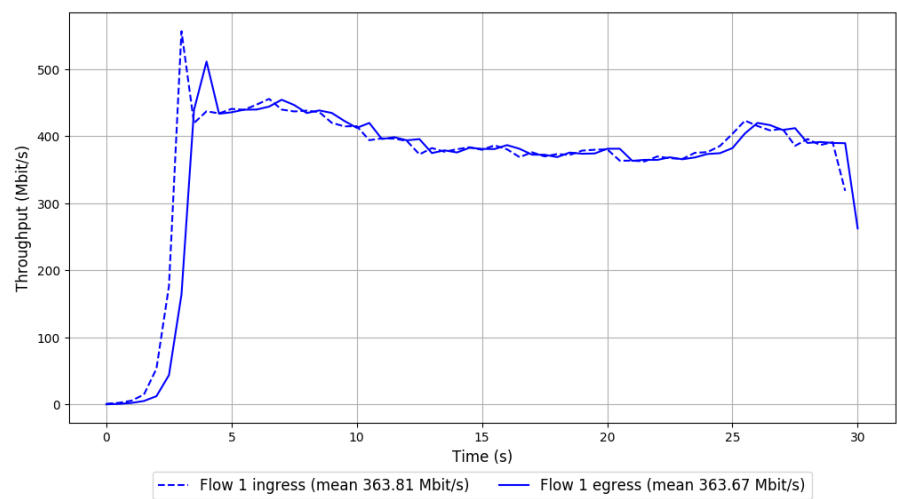


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-02 17:11:17
End at: 2018-08-02 17:11:47
Local clock offset: 27.484 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-08-02 20:15:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.67 Mbit/s
95th percentile per-packet one-way delay: 62.616 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 363.67 Mbit/s
95th percentile per-packet one-way delay: 62.616 ms
Loss rate: 0.47%

Run 8: Report of PCC-Vivace — Data Link

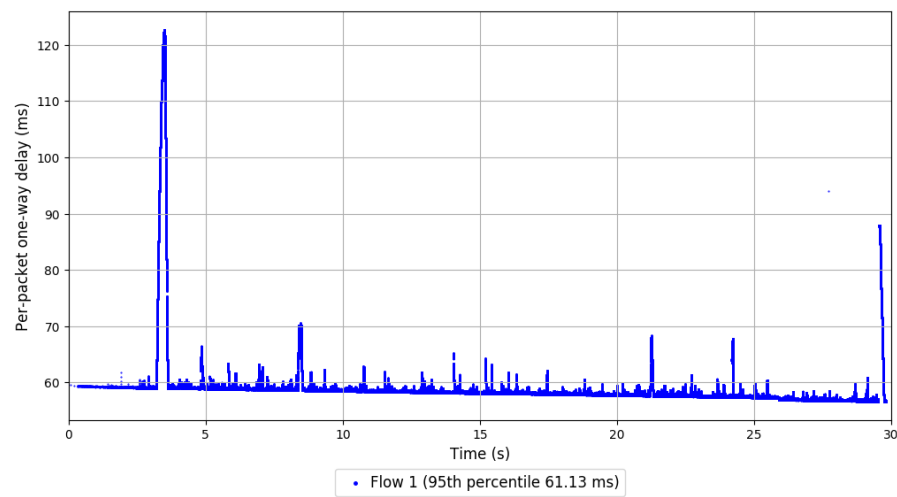
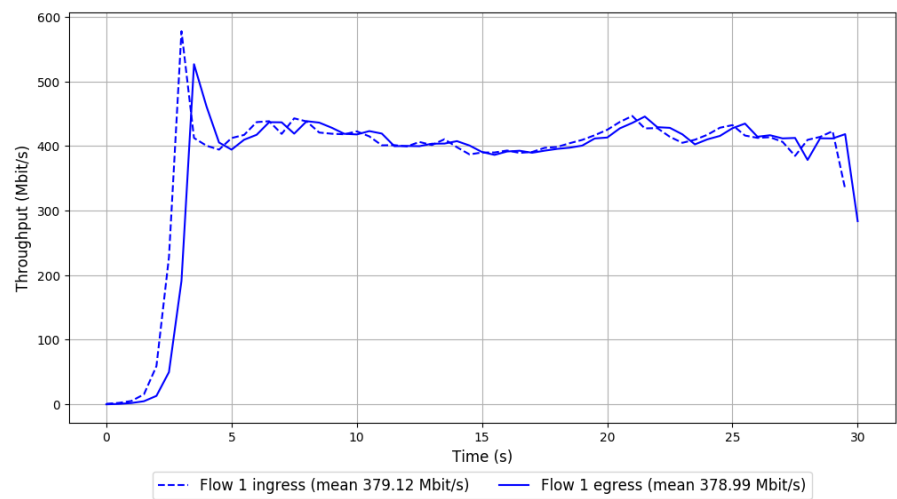


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-02 17:34:13
End at: 2018-08-02 17:34:43
Local clock offset: 126.771 ms
Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-02 20:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.99 Mbit/s
95th percentile per-packet one-way delay: 61.130 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 378.99 Mbit/s
95th percentile per-packet one-way delay: 61.130 ms
Loss rate: 0.45%

Run 9: Report of PCC-Vivace — Data Link

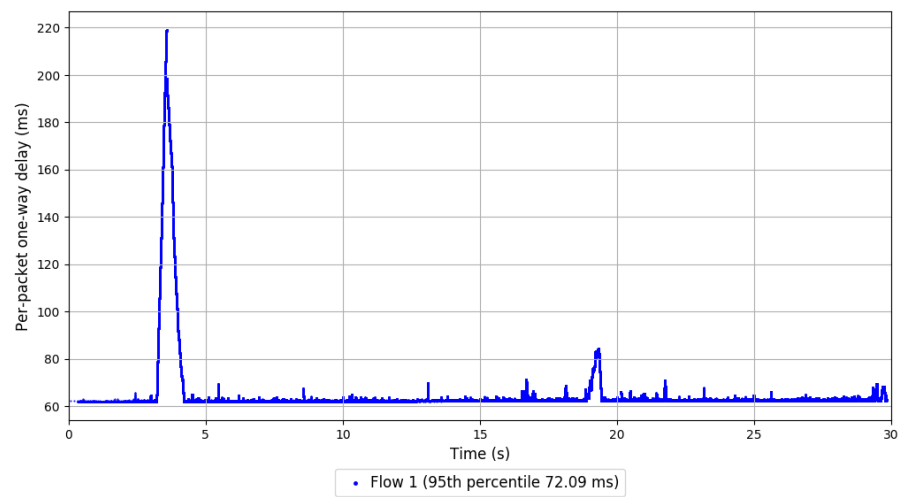
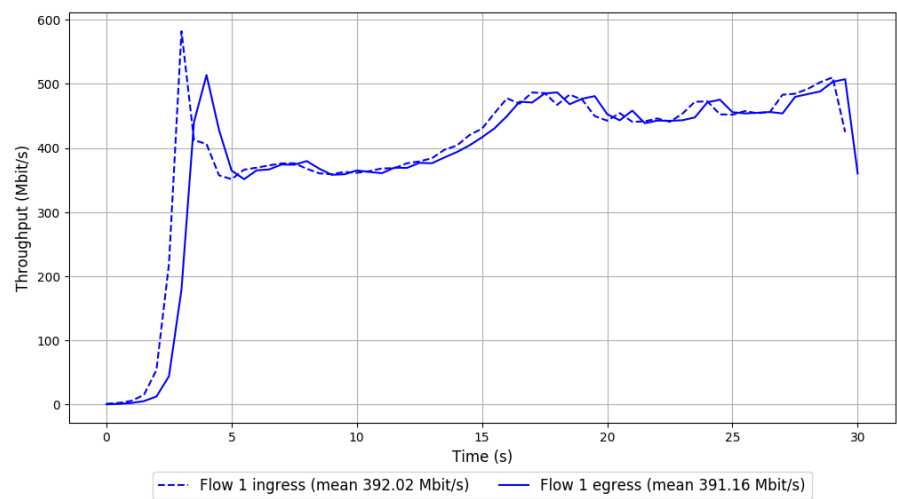


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-02 17:57:01
End at: 2018-08-02 17:57:31
Local clock offset: 4.231 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.16 Mbit/s
95th percentile per-packet one-way delay: 72.091 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 391.16 Mbit/s
95th percentile per-packet one-way delay: 72.091 ms
Loss rate: 0.65%

Run 10: Report of PCC-Vivace — Data Link

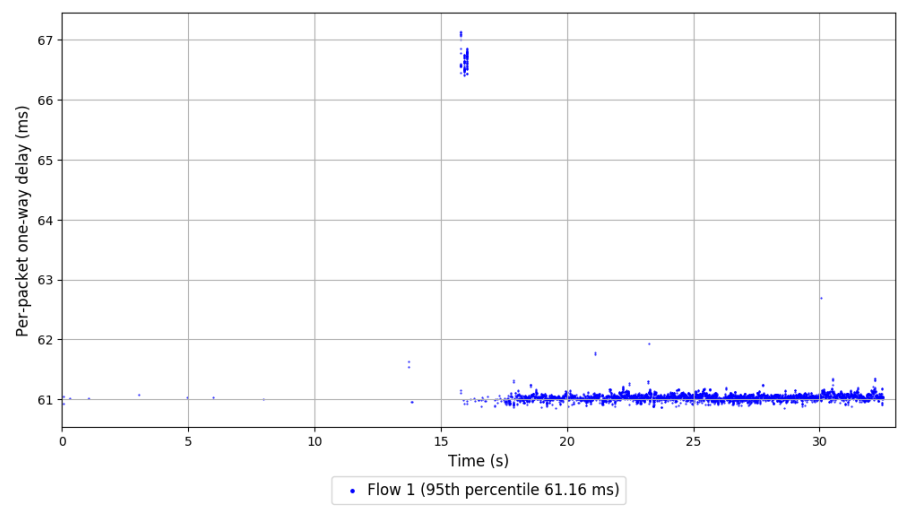
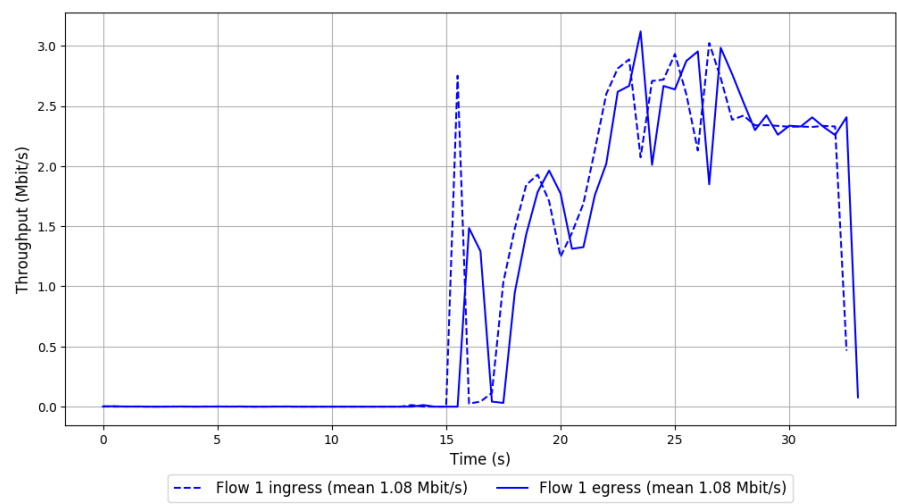


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-02 14:21:51
End at: 2018-08-02 14:22:21
Local clock offset: -0.116 ms
Remote clock offset: -0.483 ms

# Below is generated by plot.py at 2018-08-02 20:16:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 61.161 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 61.161 ms
Loss rate: 0.88%
```


Run 1: Report of WebRTC media — Data Link

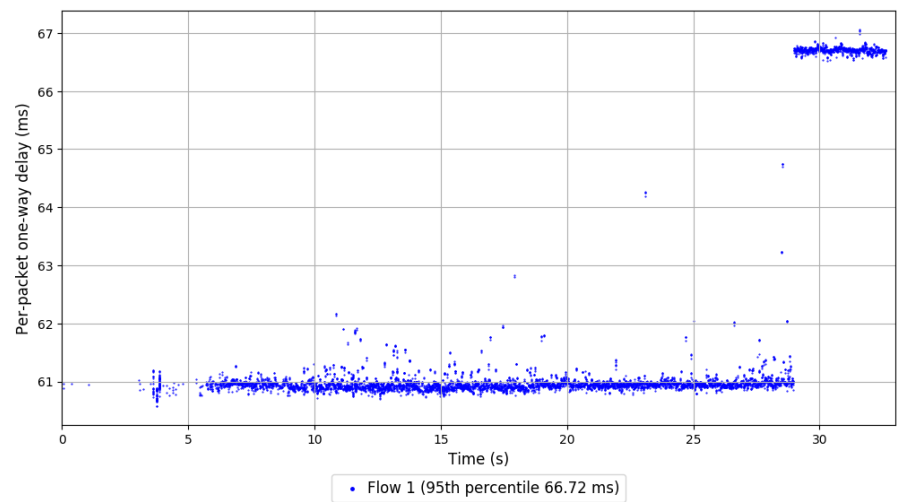
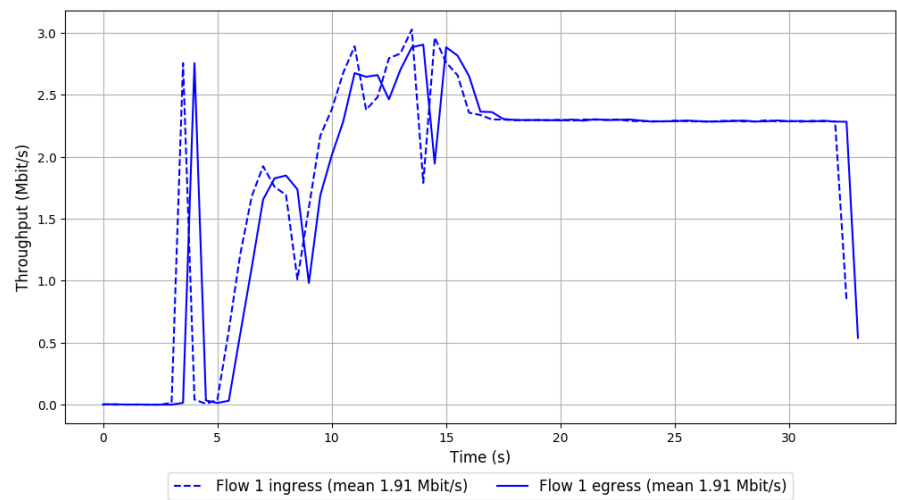


Run 2: Statistics of WebRTC media

Start at: 2018-08-02 14:44:03
End at: 2018-08-02 14:44:33
Local clock offset: -0.071 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 66.717 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 66.717 ms
Loss rate: 0.49%

Run 2: Report of WebRTC media — Data Link

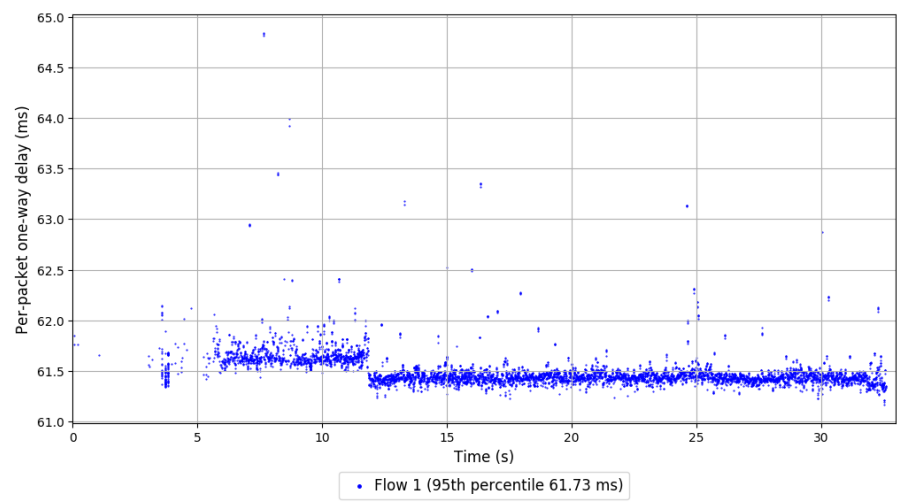
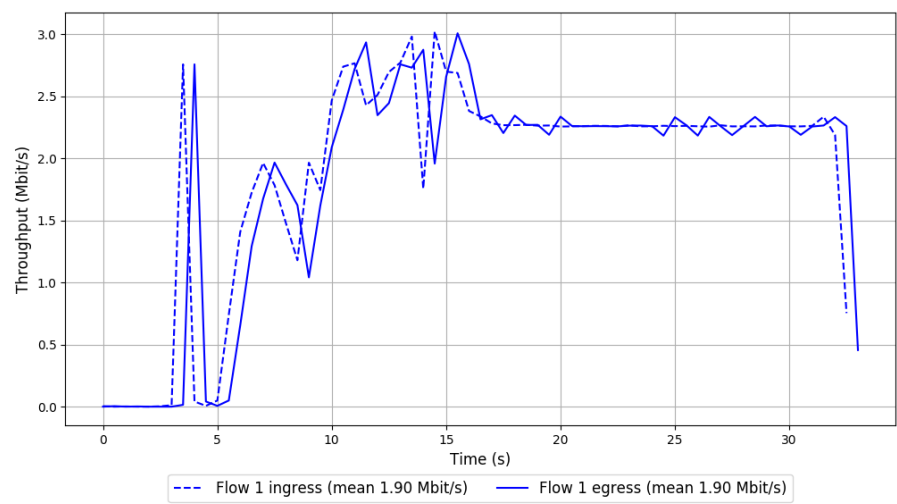


Run 3: Statistics of WebRTC media

Start at: 2018-08-02 15:06:10
End at: 2018-08-02 15:06:40
Local clock offset: 0.043 ms
Remote clock offset: -0.755 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 0.43%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-02 15:28:31

End at: 2018-08-02 15:29:01

Local clock offset: -0.01 ms

Remote clock offset: 0.538 ms

Below is generated by plot.py at 2018-08-02 20:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 65.848 ms

Loss rate: 0.49%

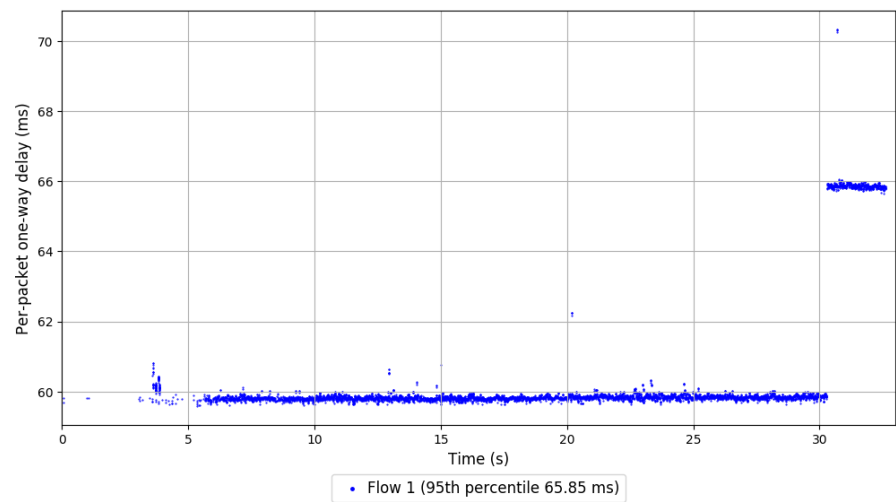
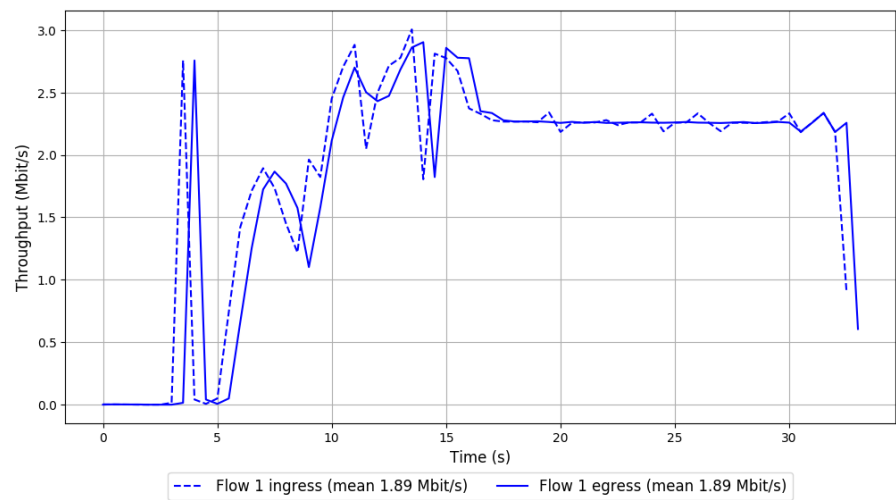
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 65.848 ms

Loss rate: 0.49%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-02 15:51:11

End at: 2018-08-02 15:51:41

Local clock offset: -0.069 ms

Remote clock offset: 1.176 ms

Below is generated by plot.py at 2018-08-02 20:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 59.805 ms

Loss rate: 0.43%

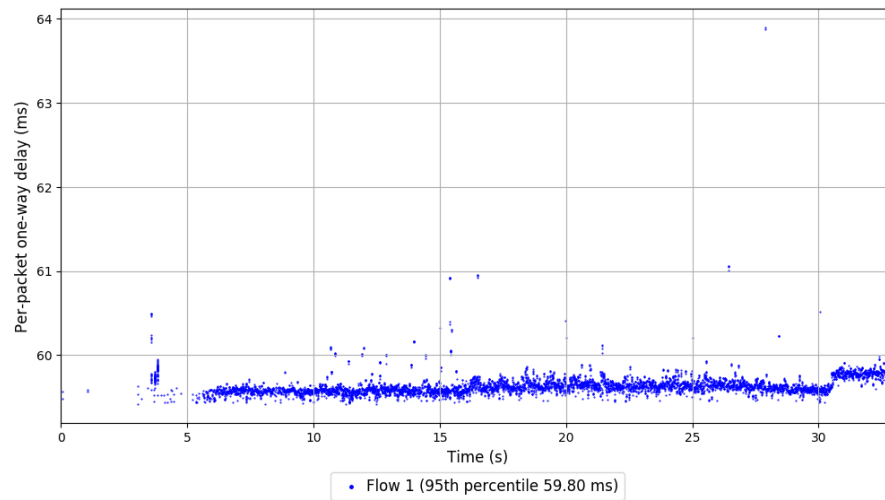
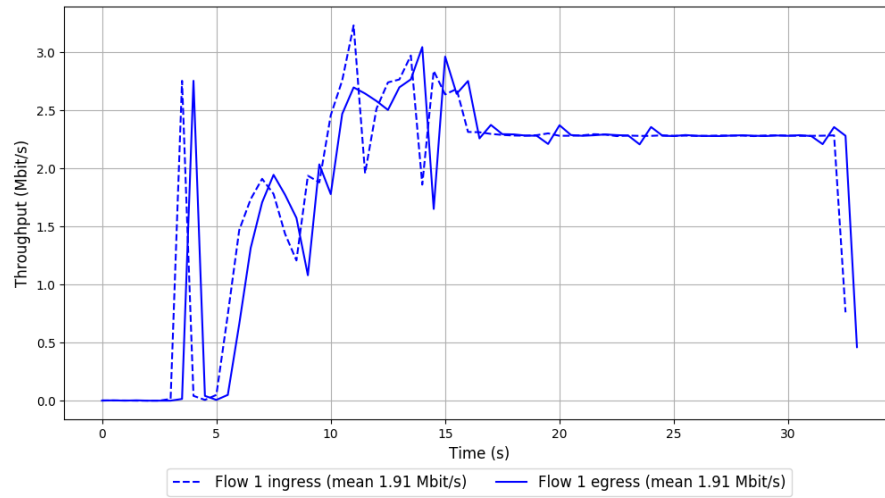
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 59.805 ms

Loss rate: 0.43%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-02 16:13:45

End at: 2018-08-02 16:14:15

Local clock offset: 0.002 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-08-02 20:16:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 61.120 ms

Loss rate: 0.49%

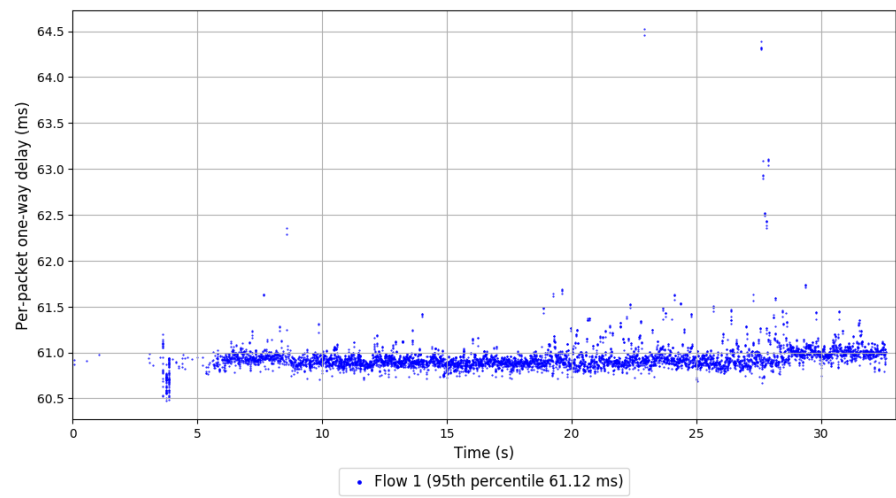
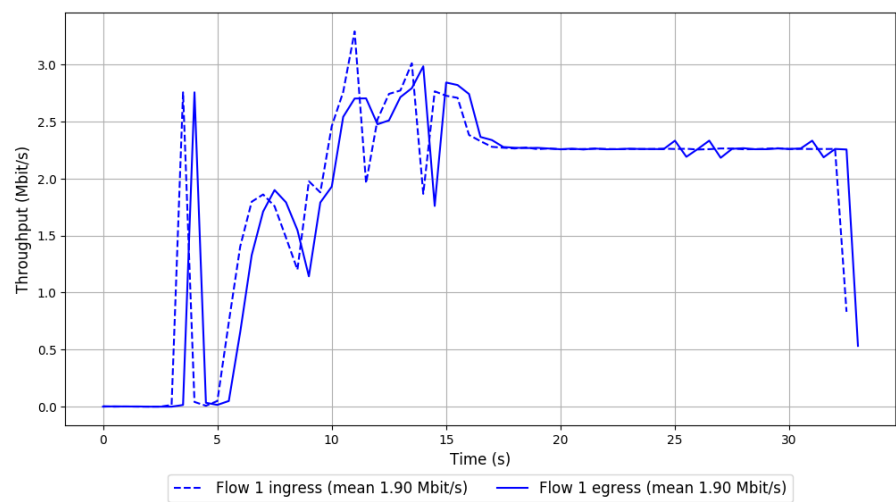
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 61.120 ms

Loss rate: 0.49%

Run 6: Report of WebRTC media — Data Link

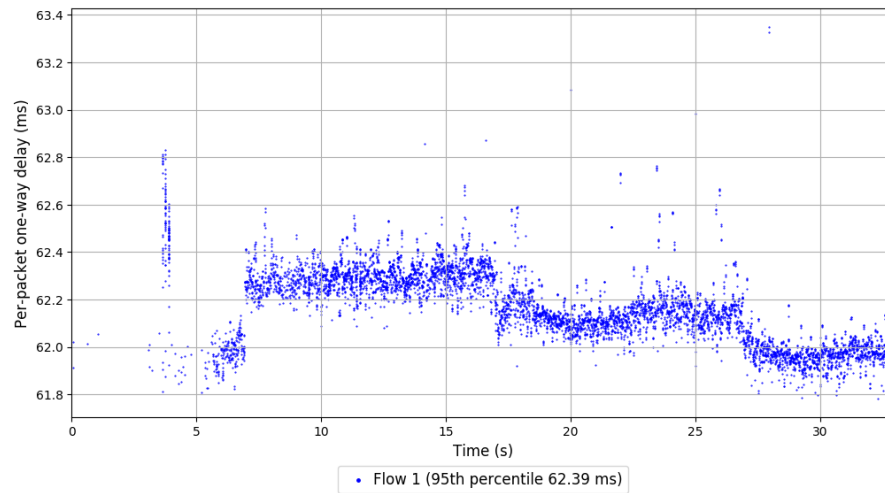
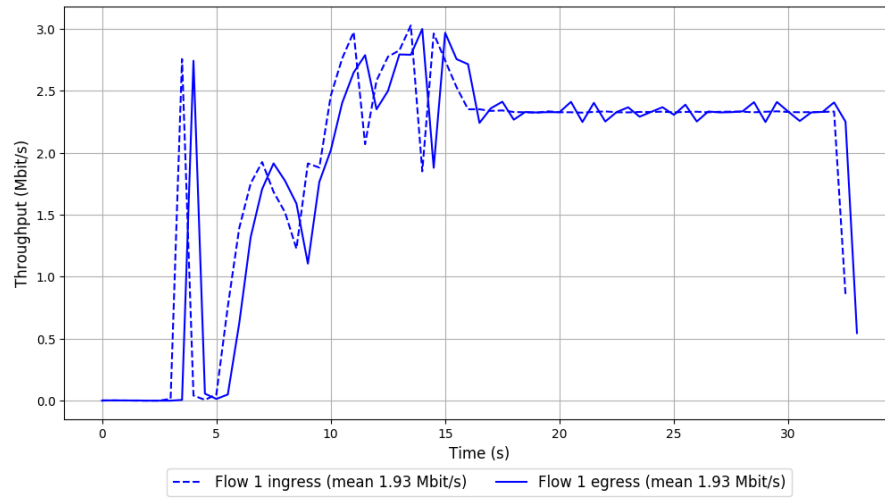


Run 7: Statistics of WebRTC media

Start at: 2018-08-02 16:36:27
End at: 2018-08-02 16:36:57
Local clock offset: -0.032 ms
Remote clock offset: -1.174 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 62.391 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 62.391 ms
Loss rate: 0.49%

Run 7: Report of WebRTC media — Data Link

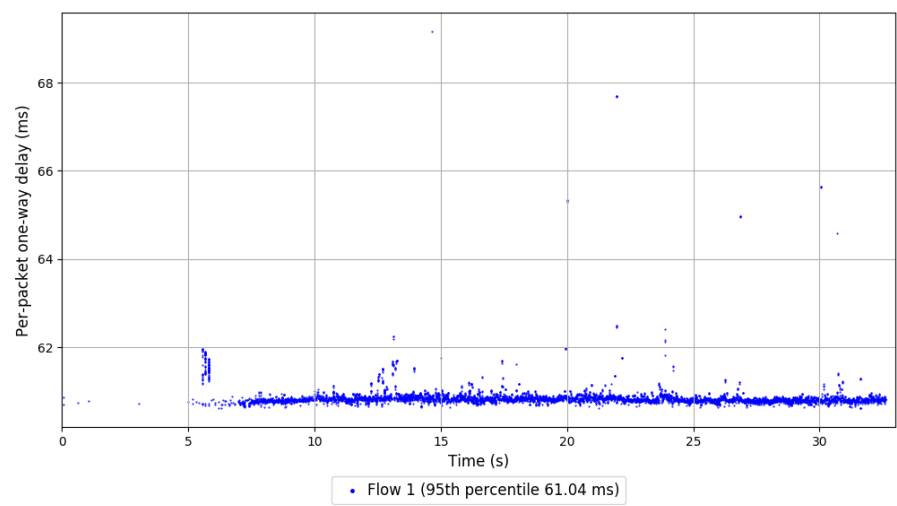
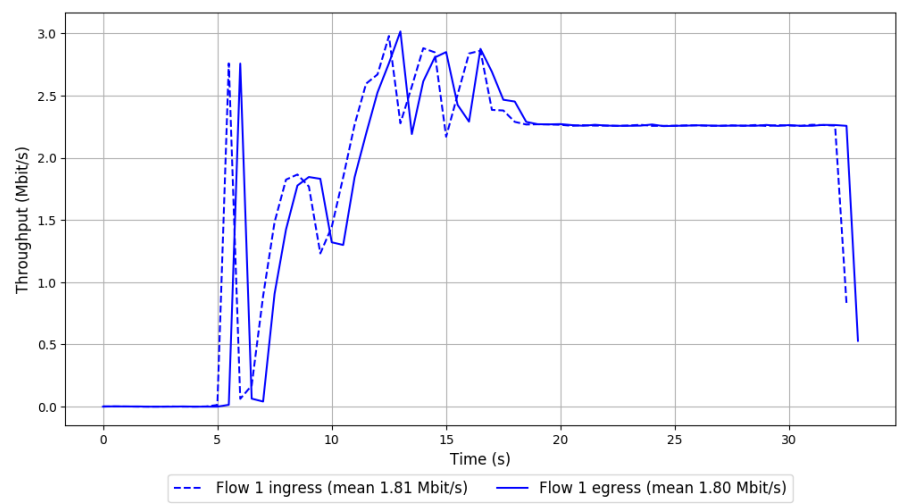


Run 8: Statistics of WebRTC media

Start at: 2018-08-02 16:59:04
End at: 2018-08-02 16:59:34
Local clock offset: -0.069 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 61.038 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 61.038 ms
Loss rate: 0.51%

Run 8: Report of WebRTC media — Data Link

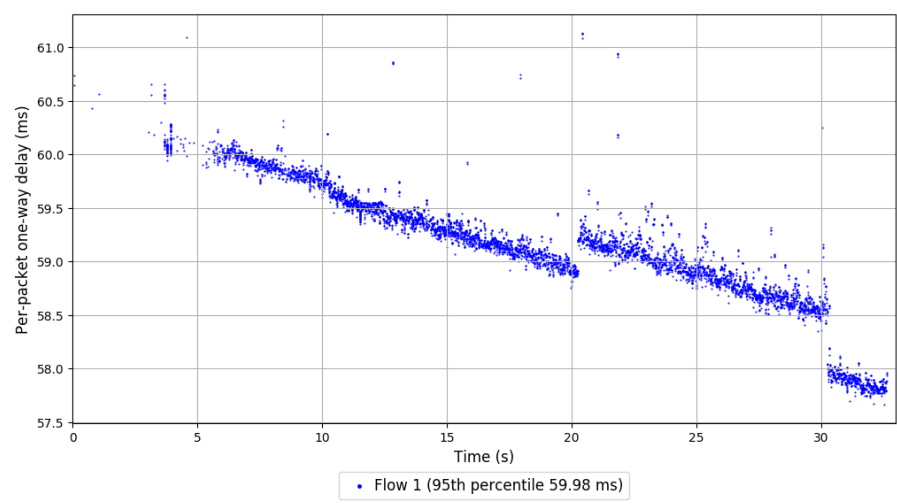
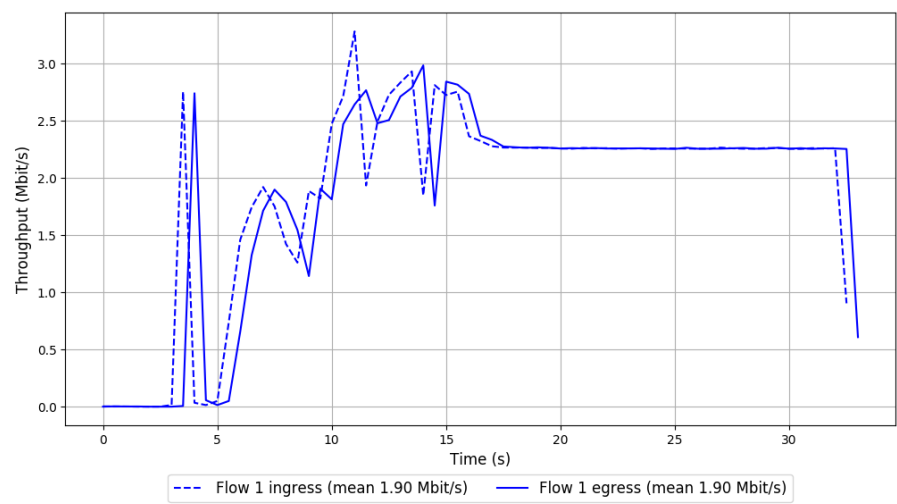


Run 9: Statistics of WebRTC media

Start at: 2018-08-02 17:21:31
End at: 2018-08-02 17:22:01
Local clock offset: 67.456 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 59.977 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 59.977 ms
Loss rate: 0.43%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-02 17:44:25
End at: 2018-08-02 17:44:55
Local clock offset: 107.924 ms
Remote clock offset: -1.165 ms

Below is generated by plot.py at 2018-08-02 20:16:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 83.947 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 83.947 ms
Loss rate: 0.49%

Run 10: Report of WebRTC media — Data Link

