

Pantheon Report

Generated at 2018-07-22 04:19:22 (UTC).

Data path: AWS India 2 Ethernet (*local*) → Saudi Arabia Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

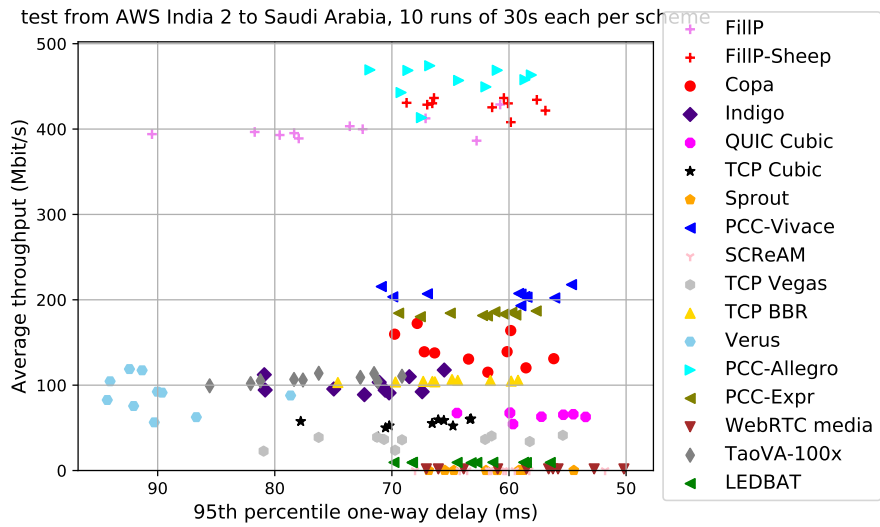
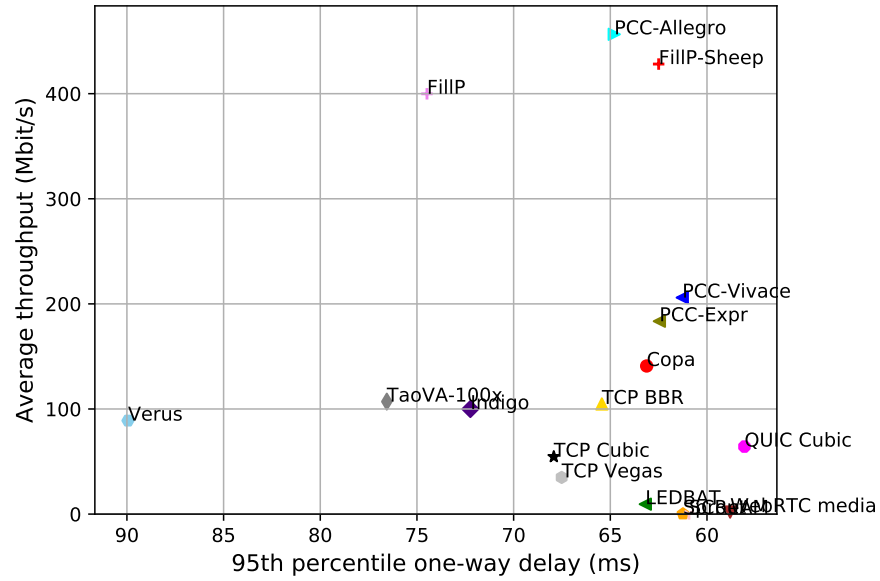
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` 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-quic @ 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 AWS India 2 to Saudi Arabia, 10 runs of 30s each per scheme
(mean of all runs by scheme)



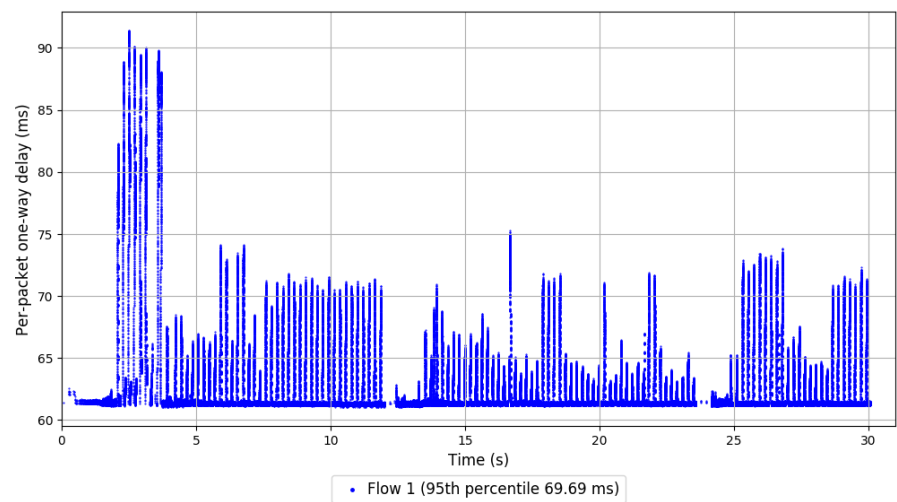
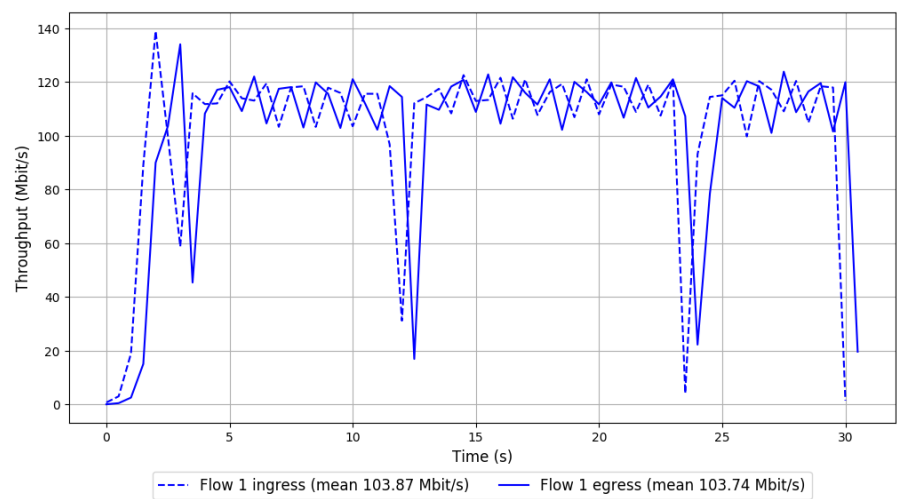
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	104.79	65.44	0.05
Copa	10	140.92	63.12	9.68
TCP Cubic	10	54.57	67.92	1.42
FillP	10	399.88	74.48	19.87
FillP-Sheep	10	428.18	62.50	12.62
Indigo	10	99.94	72.24	0.43
LEDBAT	10	9.44	63.19	0.00
PCC-Allegro	10	456.48	64.80	3.71
PCC-Expr	10	183.50	62.46	2.75
QUIC Cubic	8	64.25	58.06	0.01
SCReAM	10	0.22	60.93	0.00
Sprout	10	0.27	61.24	0.00
TaoVA-100x	10	107.03	76.56	3.03
TCP Vegas	10	34.89	67.52	1.19
Verus	10	88.95	89.94	60.22
PCC-Vivace	10	205.98	61.28	0.89
WebRTC media	10	1.91	58.80	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-21 22:42:55
End at: 2018-07-21 22:43:25
Local clock offset: 1.631 ms
Remote clock offset: -29.477 ms

Below is generated by plot.py at 2018-07-22 03:35:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.74 Mbit/s
95th percentile per-packet one-way delay: 69.695 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 103.74 Mbit/s
95th percentile per-packet one-way delay: 69.695 ms
Loss rate: 0.13%

Run 1: Report of TCP BBR — Data Link

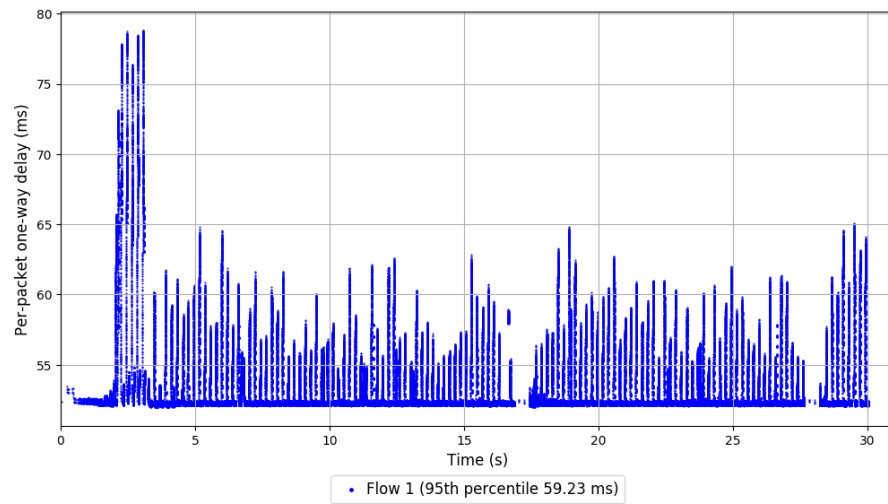
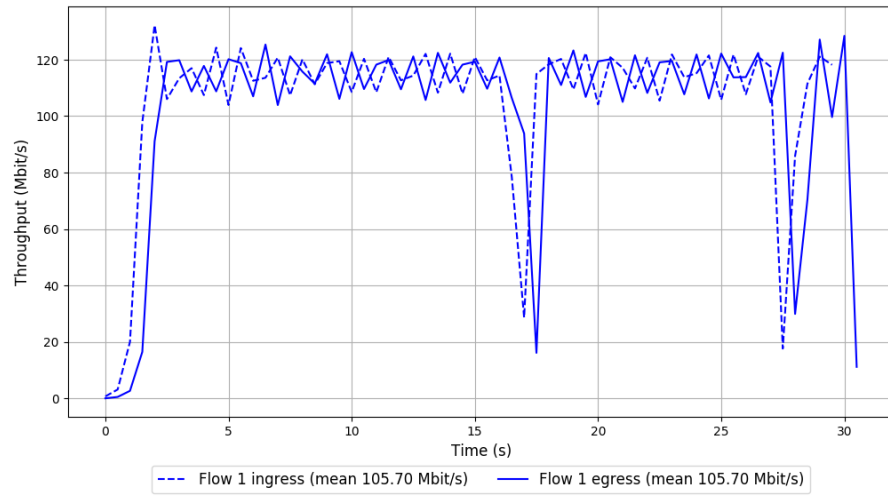


Run 2: Statistics of TCP BBR

Start at: 2018-07-21 23:31:35
End at: 2018-07-21 23:32:05
Local clock offset: 2.775 ms
Remote clock offset: -36.891 ms

Below is generated by plot.py at 2018-07-22 03:35:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.70 Mbit/s
95th percentile per-packet one-way delay: 59.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.70 Mbit/s
95th percentile per-packet one-way delay: 59.230 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

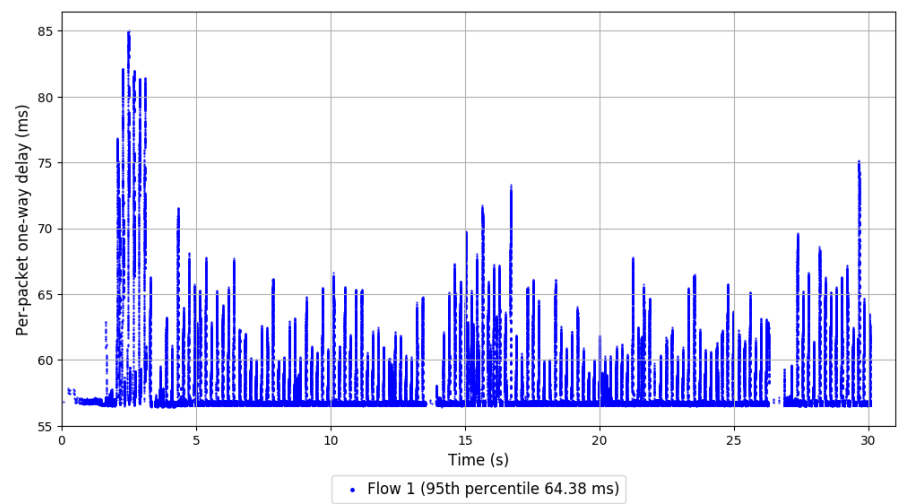
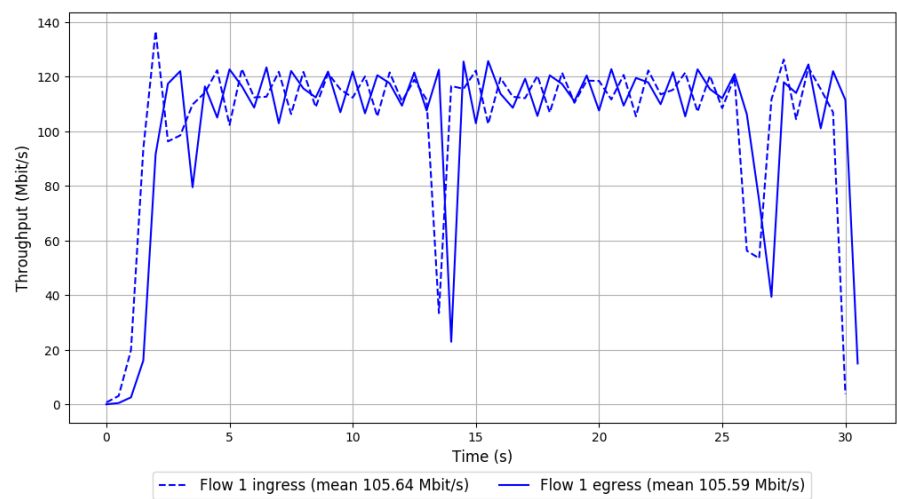


Run 3: Statistics of TCP BBR

Start at: 2018-07-21 23:59:10
End at: 2018-07-21 23:59:40
Local clock offset: -0.287 ms
Remote clock offset: -35.391 ms

Below is generated by plot.py at 2018-07-22 03:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.59 Mbit/s
95th percentile per-packet one-way delay: 64.376 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 105.59 Mbit/s
95th percentile per-packet one-way delay: 64.376 ms
Loss rate: 0.04%

Run 3: Report of TCP BBR — Data Link

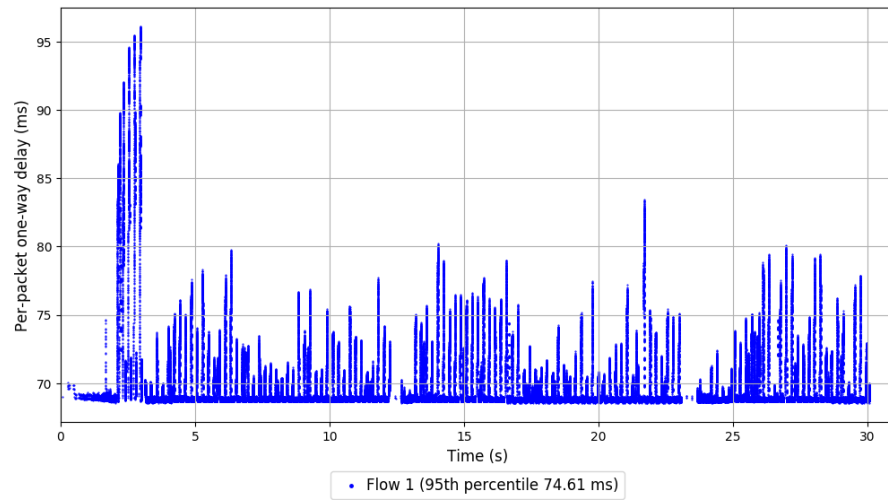
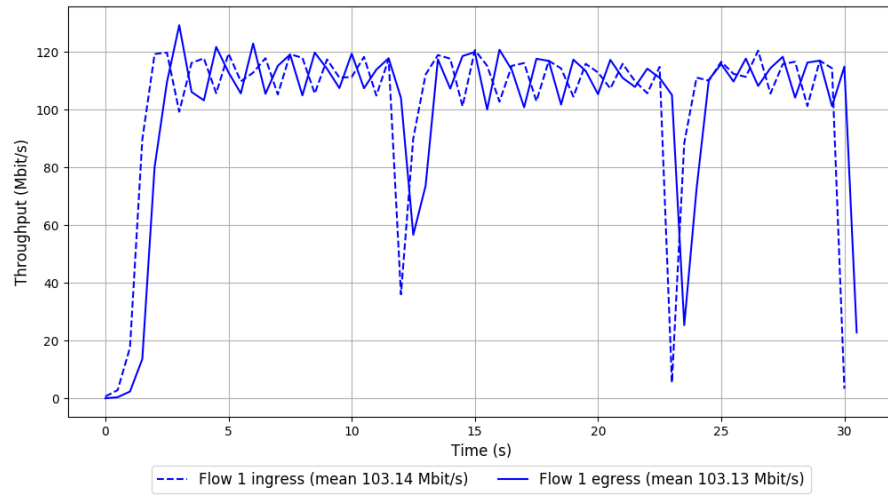


Run 4: Statistics of TCP BBR

Start at: 2018-07-22 00:27:39
End at: 2018-07-22 00:28:09
Local clock offset: -1.668 ms
Remote clock offset: -26.935 ms

Below is generated by plot.py at 2018-07-22 03:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.13 Mbit/s
95th percentile per-packet one-way delay: 74.613 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 103.13 Mbit/s
95th percentile per-packet one-way delay: 74.613 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link

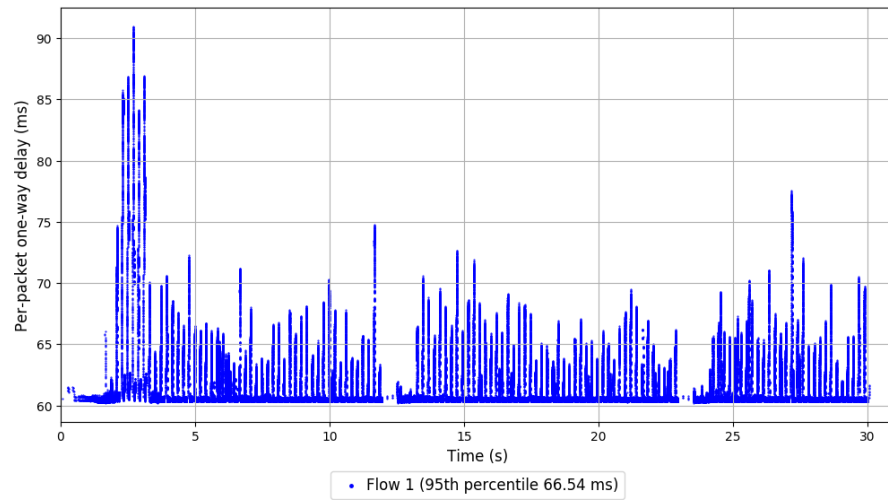
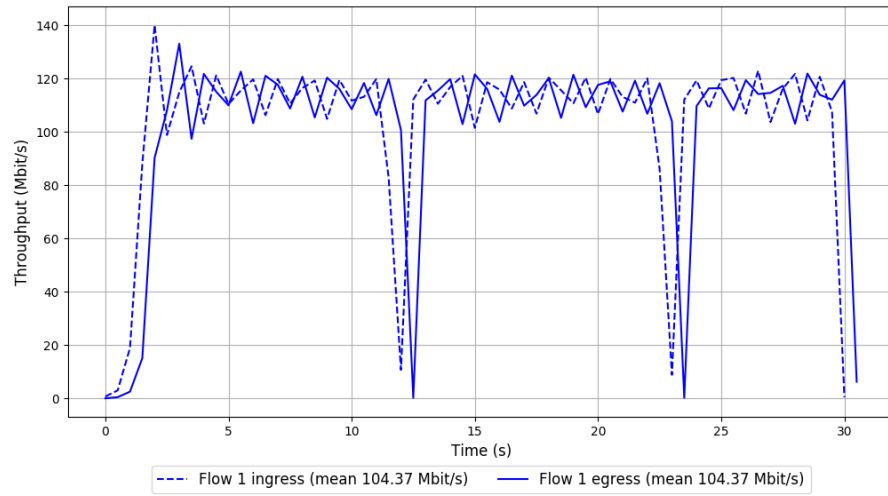


Run 5: Statistics of TCP BBR

Start at: 2018-07-22 00:49:47
End at: 2018-07-22 00:50:17
Local clock offset: -1.581 ms
Remote clock offset: -32.791 ms

Below is generated by plot.py at 2018-07-22 03:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.37 Mbit/s
95th percentile per-packet one-way delay: 66.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.37 Mbit/s
95th percentile per-packet one-way delay: 66.541 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

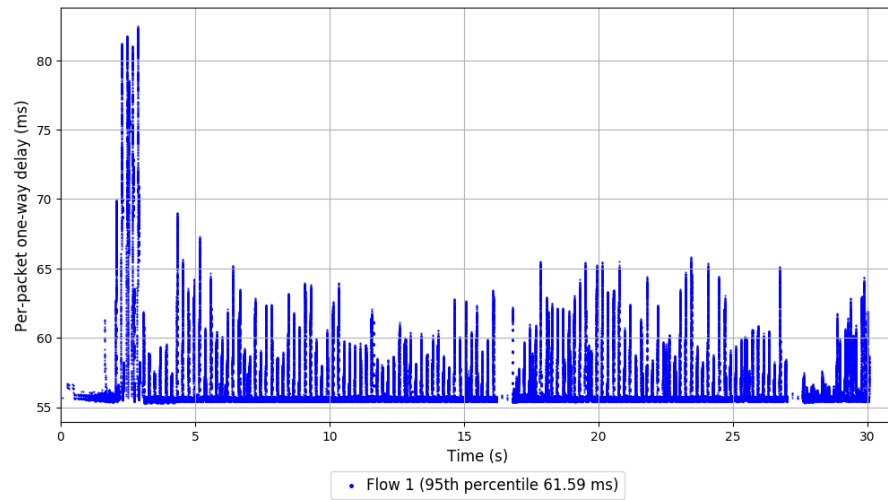
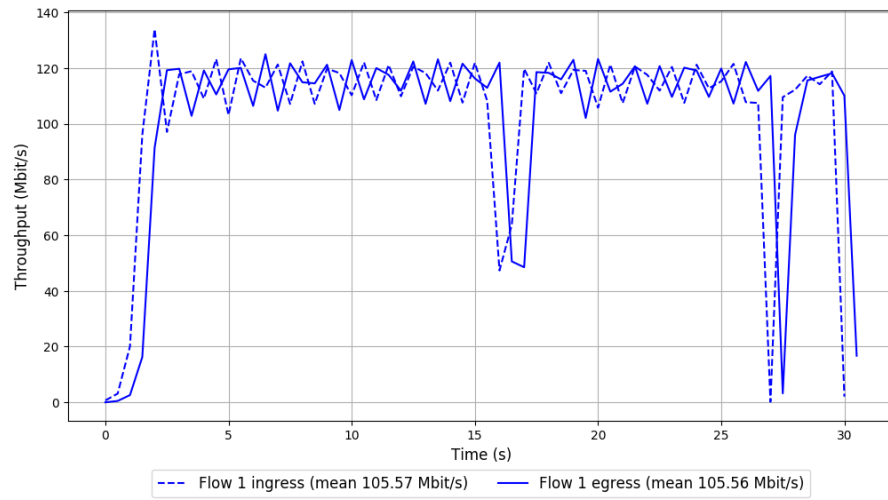


Run 6: Statistics of TCP BBR

Start at: 2018-07-22 01:11:53
End at: 2018-07-22 01:12:23
Local clock offset: -2.0 ms
Remote clock offset: -38.731 ms

Below is generated by plot.py at 2018-07-22 03:35:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.56 Mbit/s
95th percentile per-packet one-way delay: 61.590 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.56 Mbit/s
95th percentile per-packet one-way delay: 61.590 ms
Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link

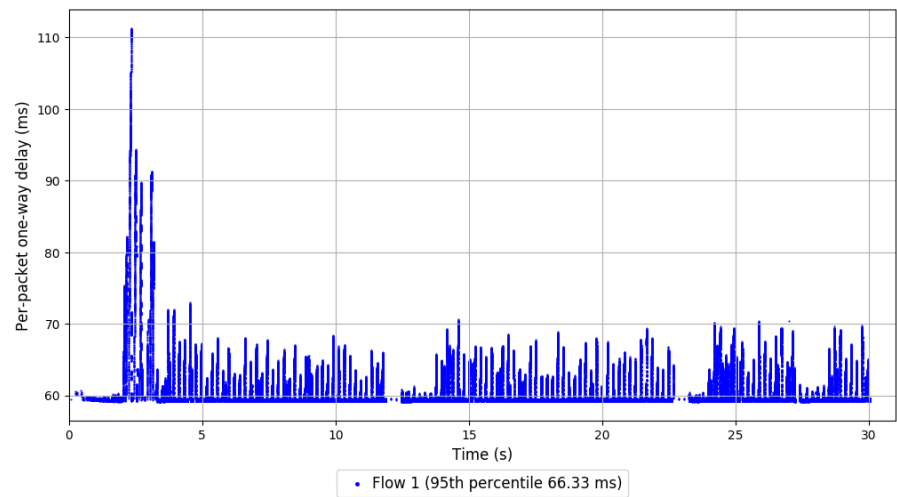
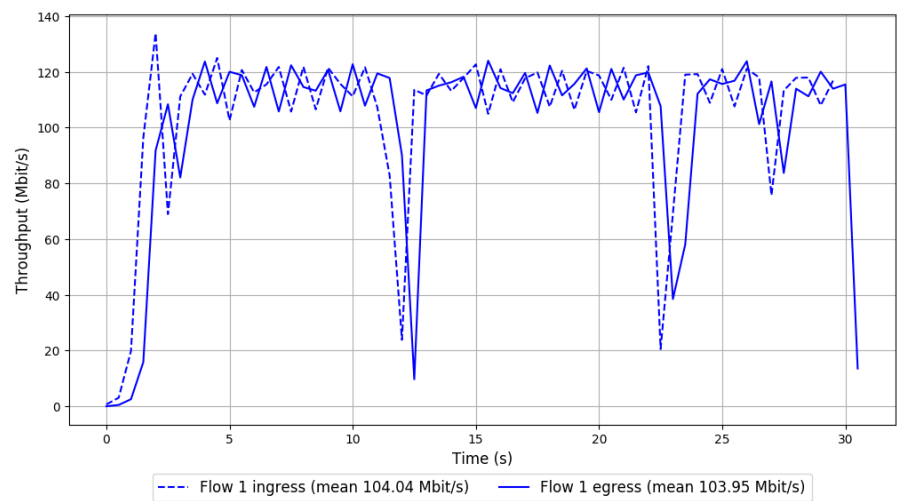


Run 7: Statistics of TCP BBR

Start at: 2018-07-22 01:33:57
End at: 2018-07-22 01:34:27
Local clock offset: -1.675 ms
Remote clock offset: -36.051 ms

Below is generated by plot.py at 2018-07-22 03:35:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.95 Mbit/s
95th percentile per-packet one-way delay: 66.330 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 103.95 Mbit/s
95th percentile per-packet one-way delay: 66.330 ms
Loss rate: 0.09%

Run 7: Report of TCP BBR — Data Link

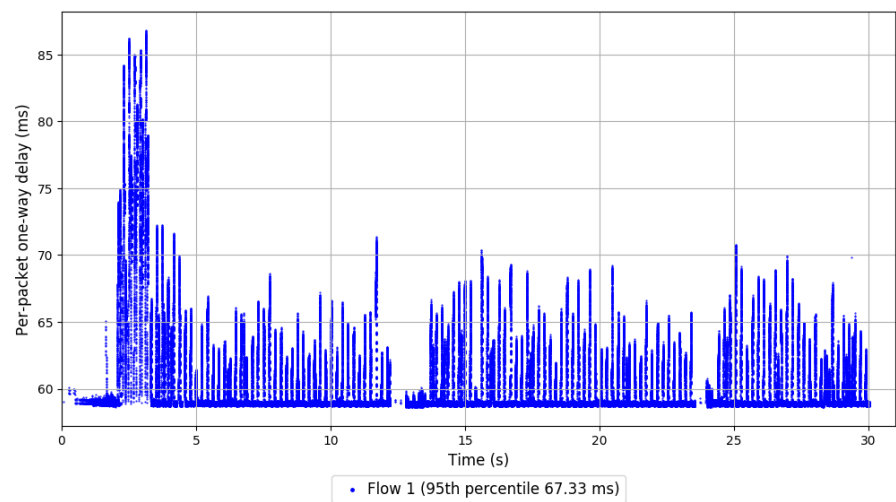
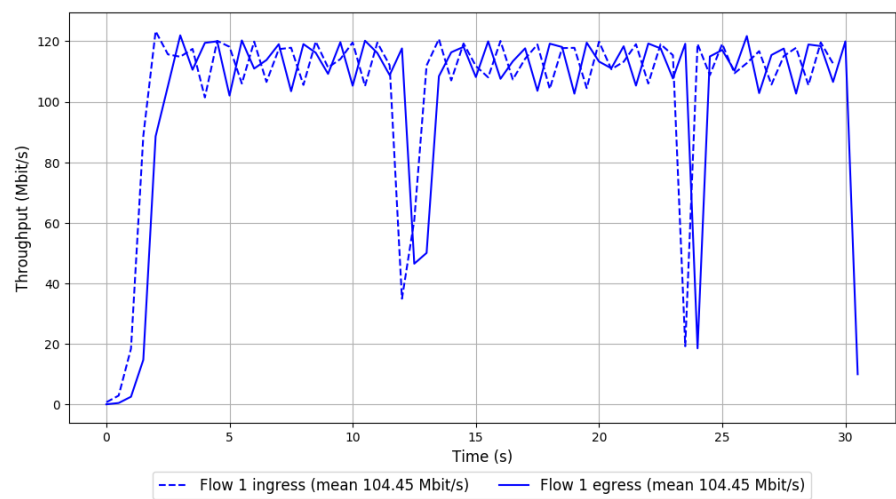


Run 8: Statistics of TCP BBR

Start at: 2018-07-22 02:22:38
End at: 2018-07-22 02:23:08
Local clock offset: 1.649 ms
Remote clock offset: -37.929 ms

Below is generated by plot.py at 2018-07-22 03:35:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.45 Mbit/s
95th percentile per-packet one-way delay: 67.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.45 Mbit/s
95th percentile per-packet one-way delay: 67.325 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

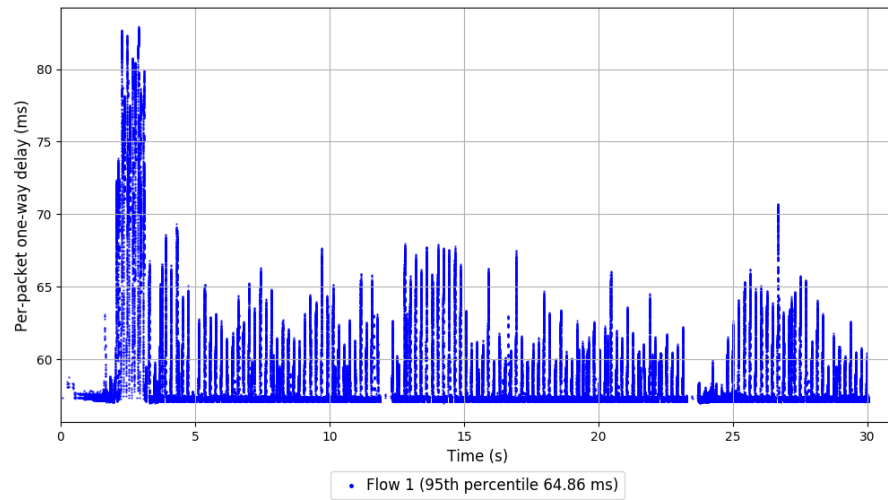
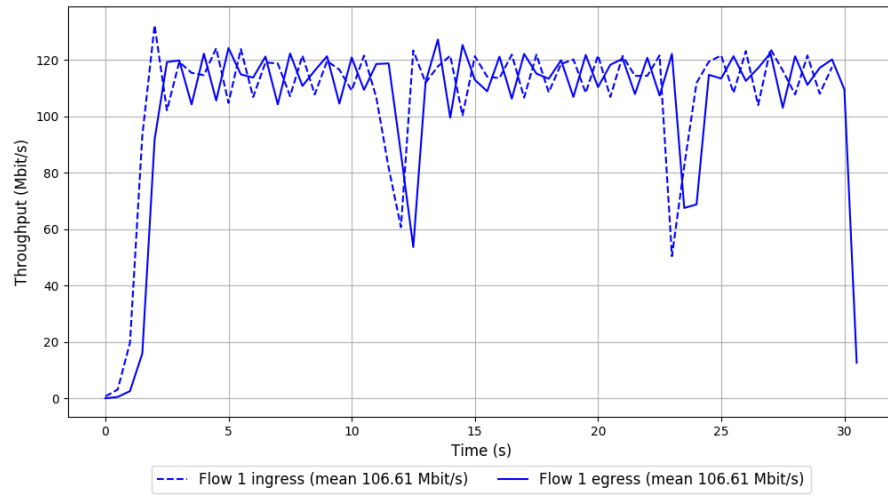


Run 9: Statistics of TCP BBR

Start at: 2018-07-22 02:55:55
End at: 2018-07-22 02:56:25
Local clock offset: 0.33 ms
Remote clock offset: -37.861 ms

Below is generated by plot.py at 2018-07-22 03:36:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.61 Mbit/s
95th percentile per-packet one-way delay: 64.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.61 Mbit/s
95th percentile per-packet one-way delay: 64.865 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

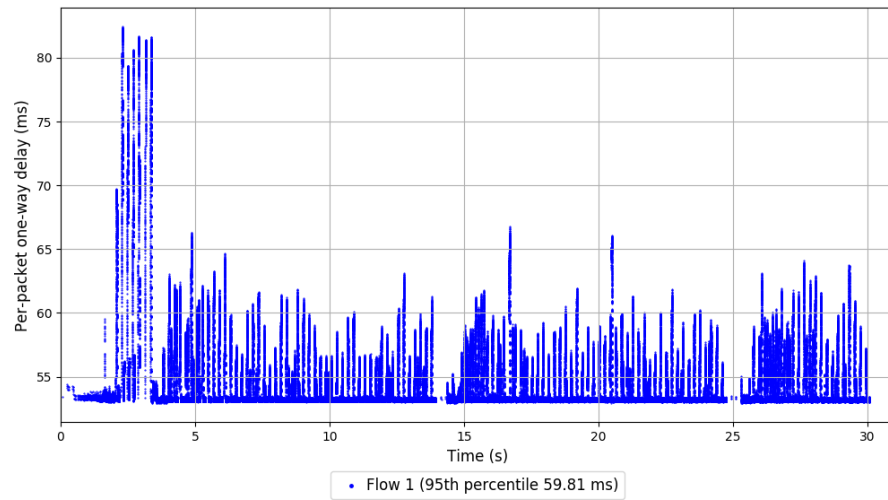
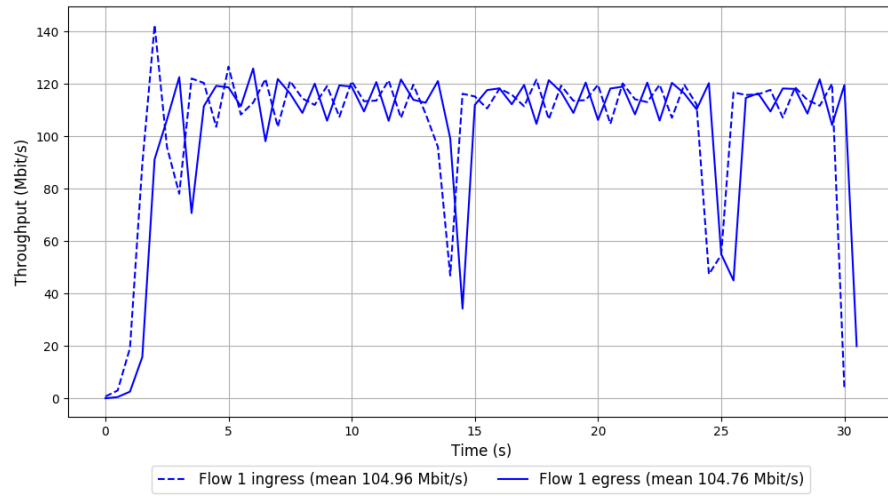


Run 10: Statistics of TCP BBR

Start at: 2018-07-22 03:18:04
End at: 2018-07-22 03:18:34
Local clock offset: 1.109 ms
Remote clock offset: -39.638 ms

Below is generated by plot.py at 2018-07-22 03:36:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.76 Mbit/s
95th percentile per-packet one-way delay: 59.812 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 104.76 Mbit/s
95th percentile per-packet one-way delay: 59.812 ms
Loss rate: 0.18%

Run 10: Report of TCP BBR — Data Link

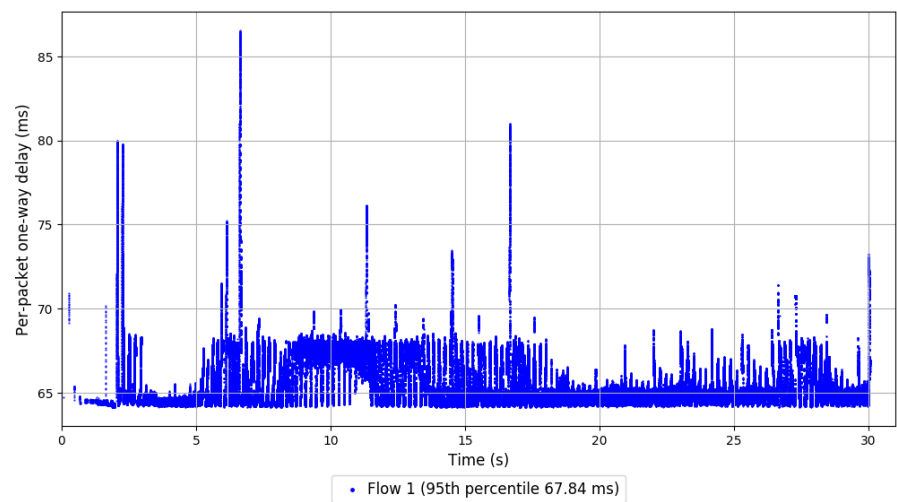
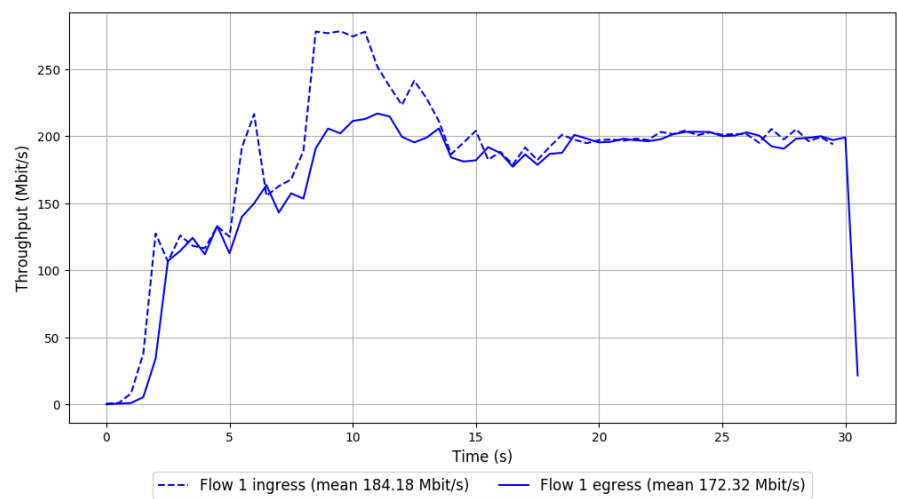


Run 1: Statistics of Copa

Start at: 2018-07-21 22:35:54
End at: 2018-07-21 22:36:24
Local clock offset: -1.197 ms
Remote clock offset: -28.643 ms

Below is generated by plot.py at 2018-07-22 03:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.32 Mbit/s
95th percentile per-packet one-way delay: 67.838 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 172.32 Mbit/s
95th percentile per-packet one-way delay: 67.838 ms
Loss rate: 6.43%

Run 1: Report of Copa — Data Link

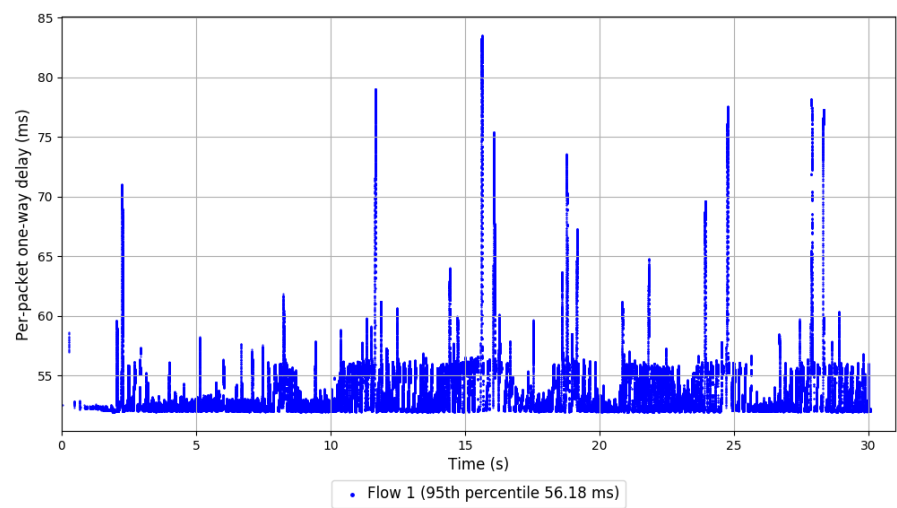
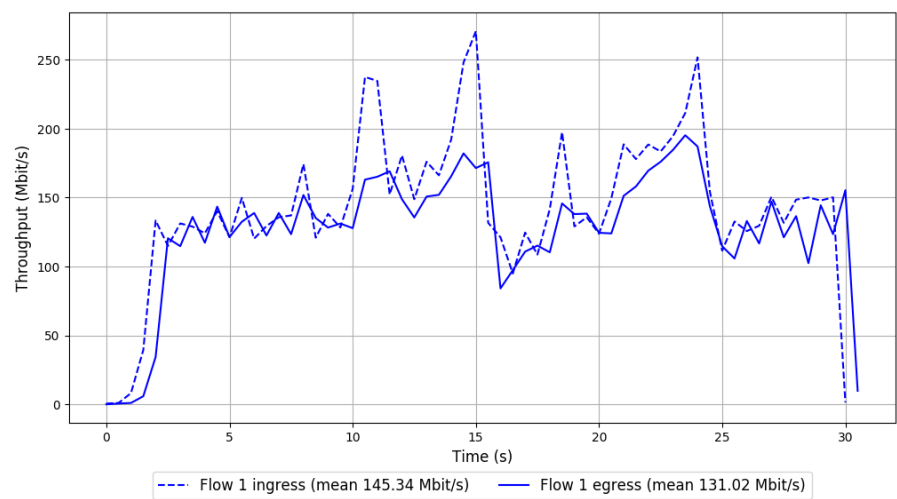


Run 2: Statistics of Copa

Start at: 2018-07-21 23:13:26
End at: 2018-07-21 23:13:56
Local clock offset: 1.357 ms
Remote clock offset: -38.477 ms

Below is generated by plot.py at 2018-07-22 03:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.02 Mbit/s
95th percentile per-packet one-way delay: 56.177 ms
Loss rate: 9.86%
-- Flow 1:
Average throughput: 131.02 Mbit/s
95th percentile per-packet one-way delay: 56.177 ms
Loss rate: 9.86%

Run 2: Report of Copa — Data Link

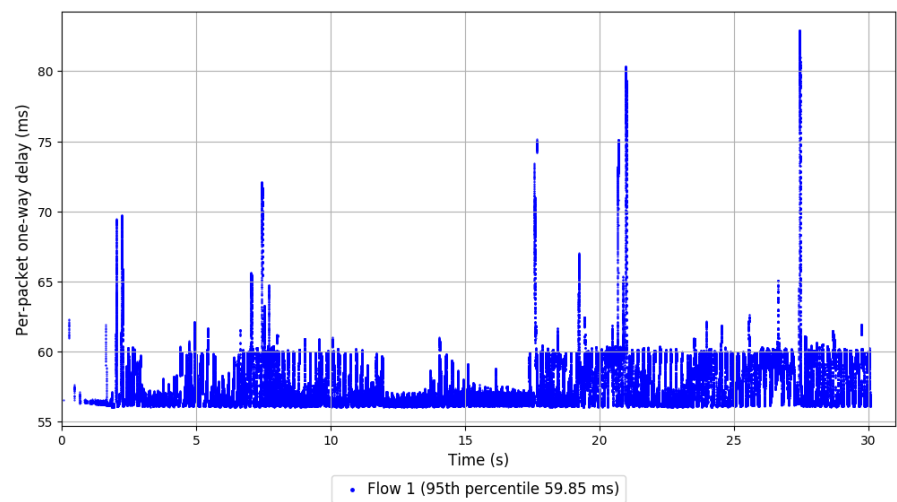
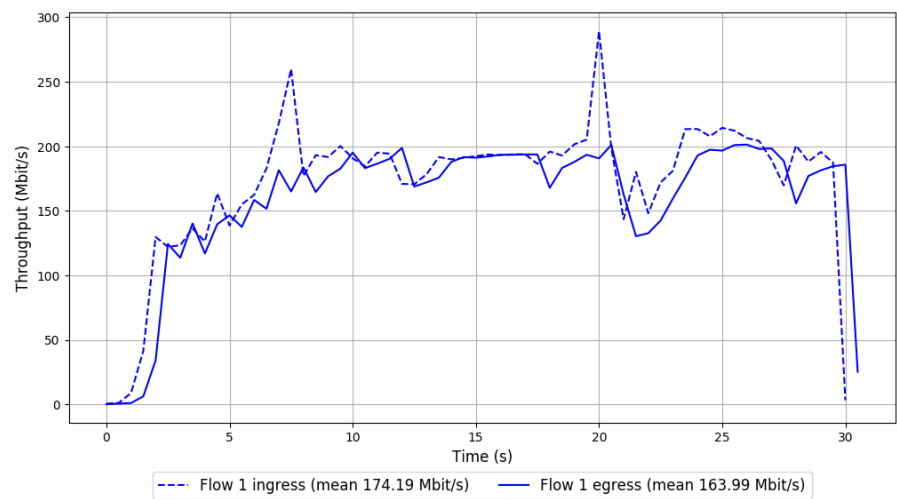


Run 3: Statistics of Copa

Start at: 2018-07-21 23:52:16
End at: 2018-07-21 23:52:46
Local clock offset: -1.238 ms
Remote clock offset: -36.714 ms

Below is generated by plot.py at 2018-07-22 03:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.99 Mbit/s
95th percentile per-packet one-way delay: 59.853 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 163.99 Mbit/s
95th percentile per-packet one-way delay: 59.853 ms
Loss rate: 5.86%

Run 3: Report of Copa — Data Link

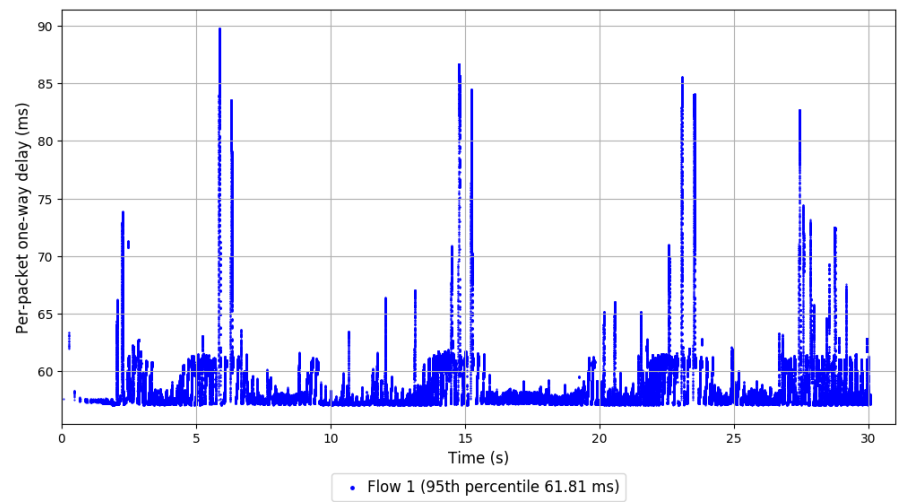
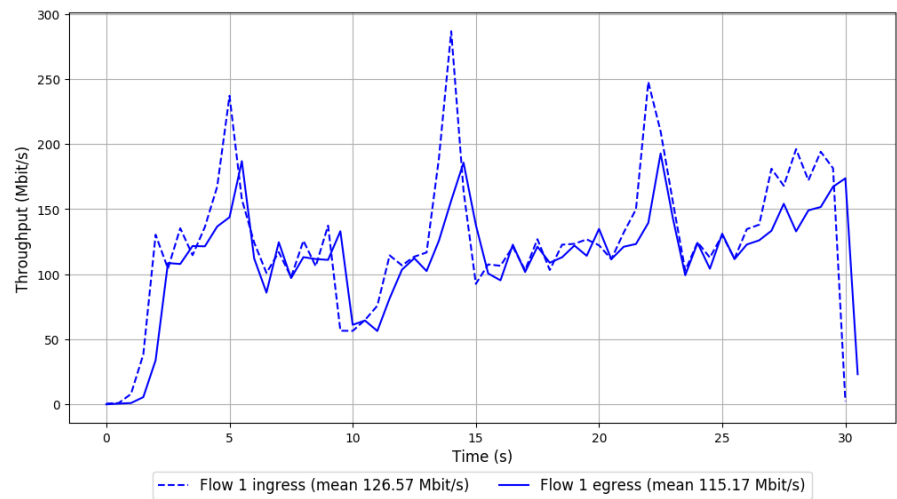


Run 4: Statistics of Copa

Start at: 2018-07-22 00:20:29
End at: 2018-07-22 00:21:00
Local clock offset: 0.917 ms
Remote clock offset: -33.31 ms

Below is generated by plot.py at 2018-07-22 03:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 61.807 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 61.807 ms
Loss rate: 9.01%

Run 4: Report of Copa — Data Link

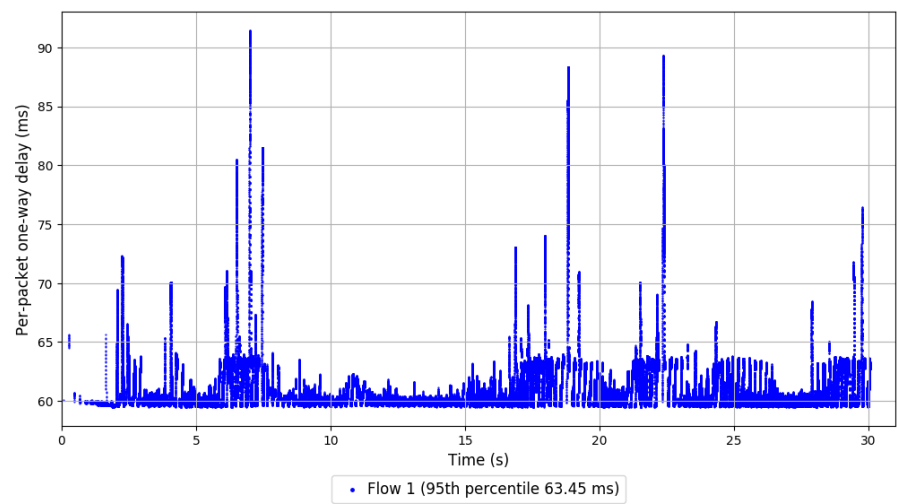
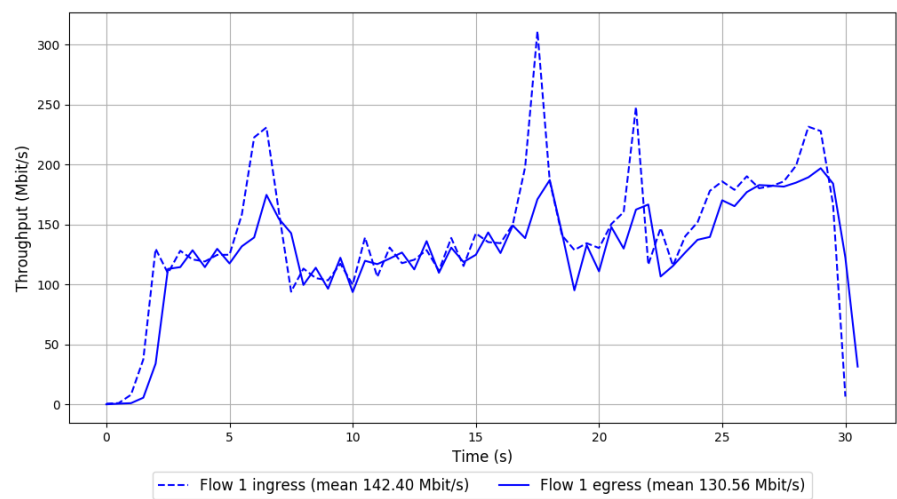


Run 5: Statistics of Copa

Start at: 2018-07-22 00:42:53
End at: 2018-07-22 00:43:23
Local clock offset: -1.755 ms
Remote clock offset: -33.332 ms

Below is generated by plot.py at 2018-07-22 03:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.56 Mbit/s
95th percentile per-packet one-way delay: 63.454 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 130.56 Mbit/s
95th percentile per-packet one-way delay: 63.454 ms
Loss rate: 8.31%

Run 5: Report of Copa — Data Link

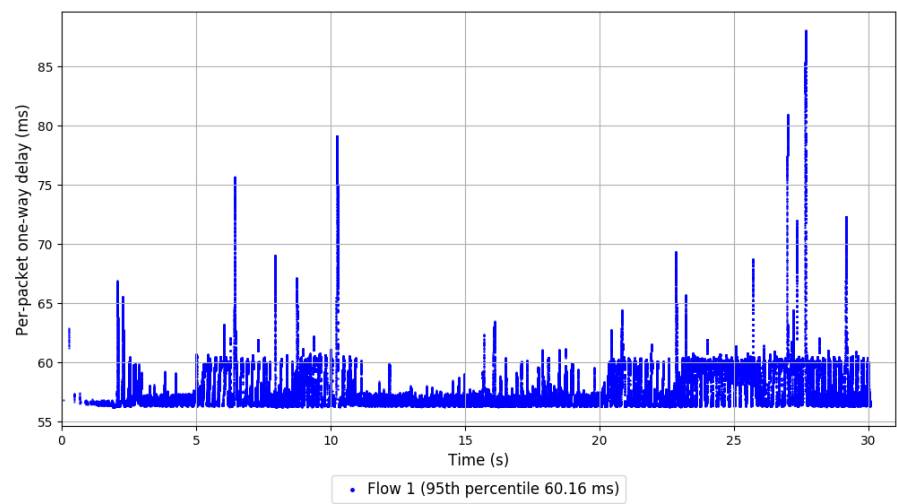
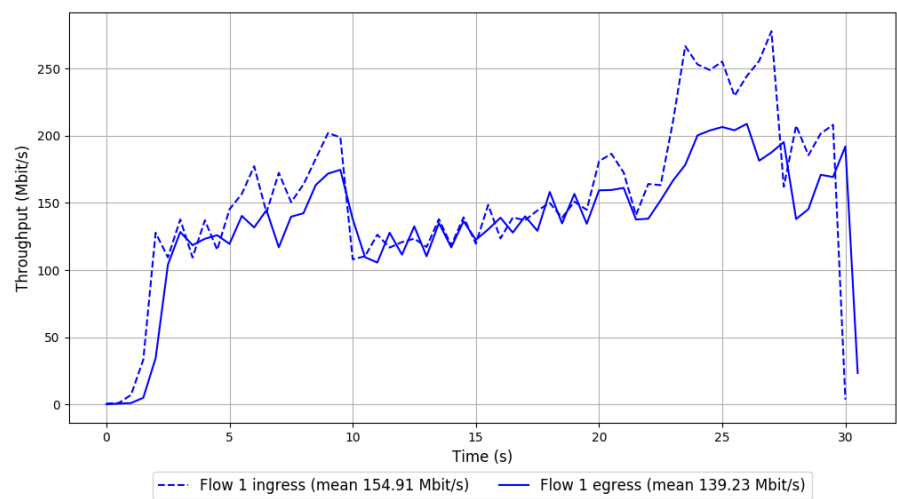


Run 6: Statistics of Copa

Start at: 2018-07-22 01:05:00
End at: 2018-07-22 01:05:30
Local clock offset: -0.125 ms
Remote clock offset: -37.916 ms

Below is generated by plot.py at 2018-07-22 03:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.23 Mbit/s
95th percentile per-packet one-way delay: 60.161 ms
Loss rate: 10.13%
-- Flow 1:
Average throughput: 139.23 Mbit/s
95th percentile per-packet one-way delay: 60.161 ms
Loss rate: 10.13%

Run 6: Report of Copa — Data Link

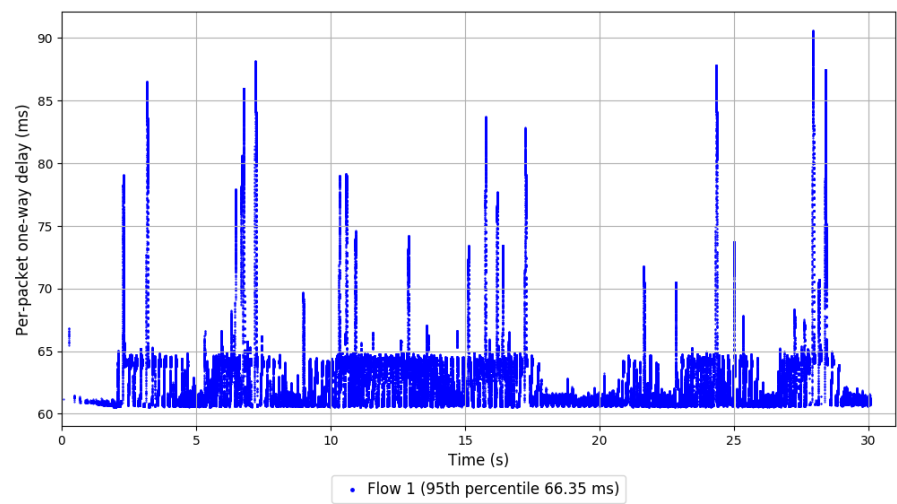
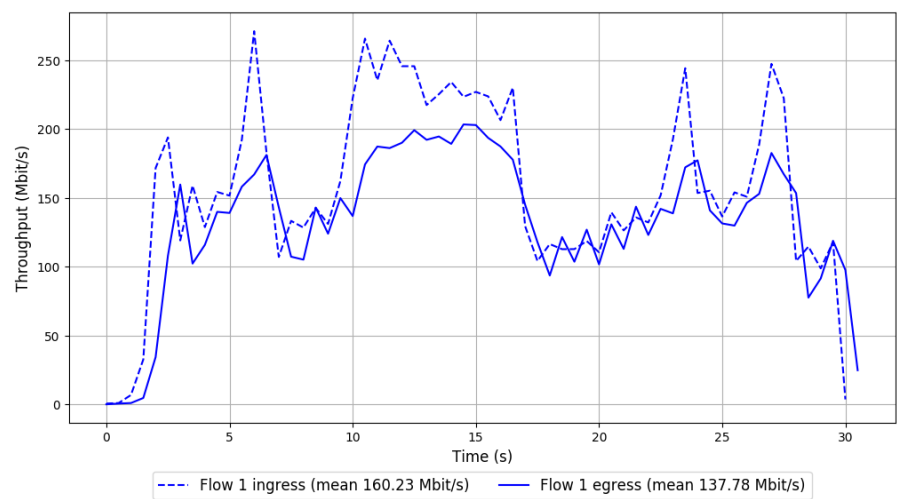


Run 7: Statistics of Copa

Start at: 2018-07-22 01:27:06
End at: 2018-07-22 01:27:36
Local clock offset: -1.219 ms
Remote clock offset: -36.698 ms

Below is generated by plot.py at 2018-07-22 03:40:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.78 Mbit/s
95th percentile per-packet one-way delay: 66.351 ms
Loss rate: 14.02%
-- Flow 1:
Average throughput: 137.78 Mbit/s
95th percentile per-packet one-way delay: 66.351 ms
Loss rate: 14.02%

Run 7: Report of Copa — Data Link

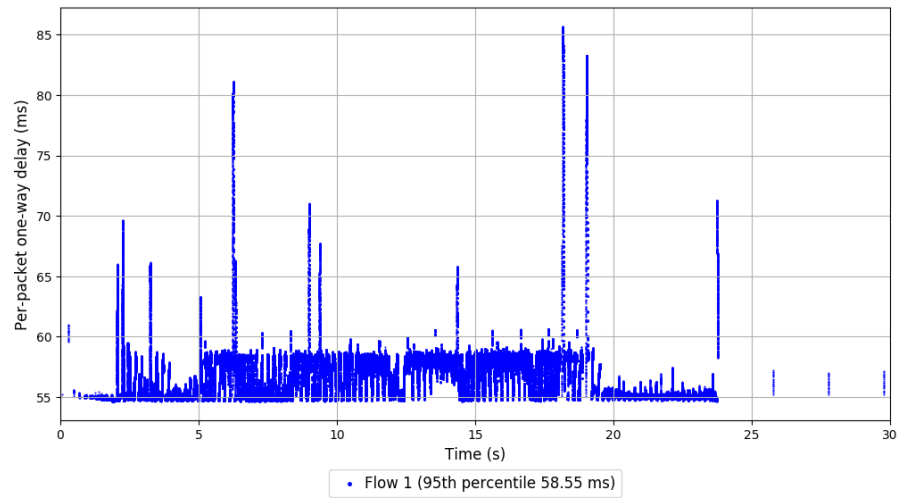
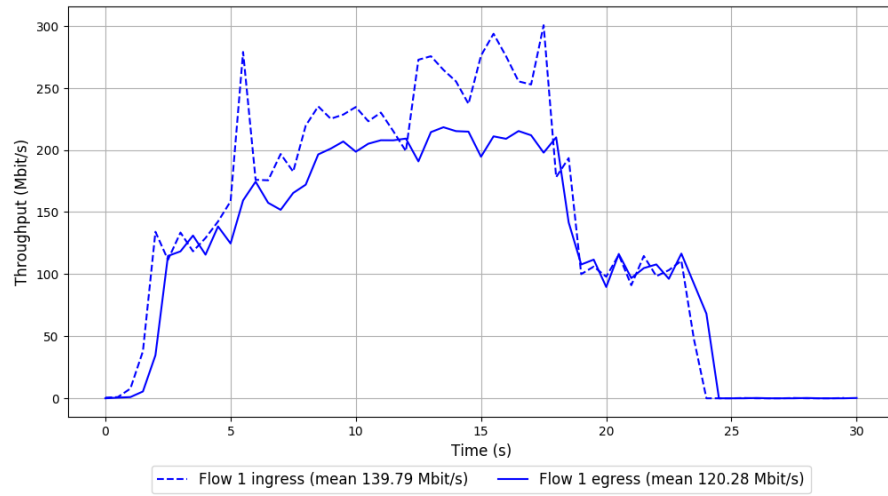


Run 8: Statistics of Copa

Start at: 2018-07-22 02:04:31
End at: 2018-07-22 02:05:01
Local clock offset: 2.296 ms
Remote clock offset: -38.769 ms

Below is generated by plot.py at 2018-07-22 03:40:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.28 Mbit/s
95th percentile per-packet one-way delay: 58.549 ms
Loss rate: 13.95%
-- Flow 1:
Average throughput: 120.28 Mbit/s
95th percentile per-packet one-way delay: 58.549 ms
Loss rate: 13.95%

Run 8: Report of Copa — Data Link

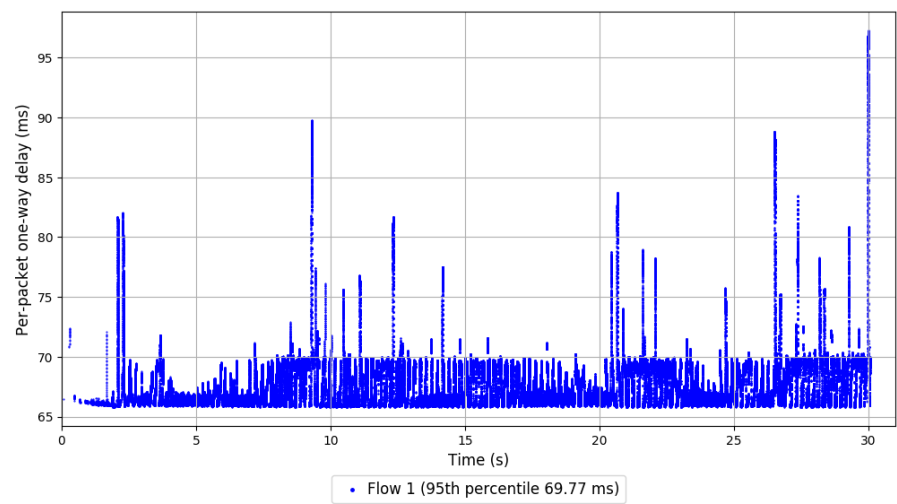
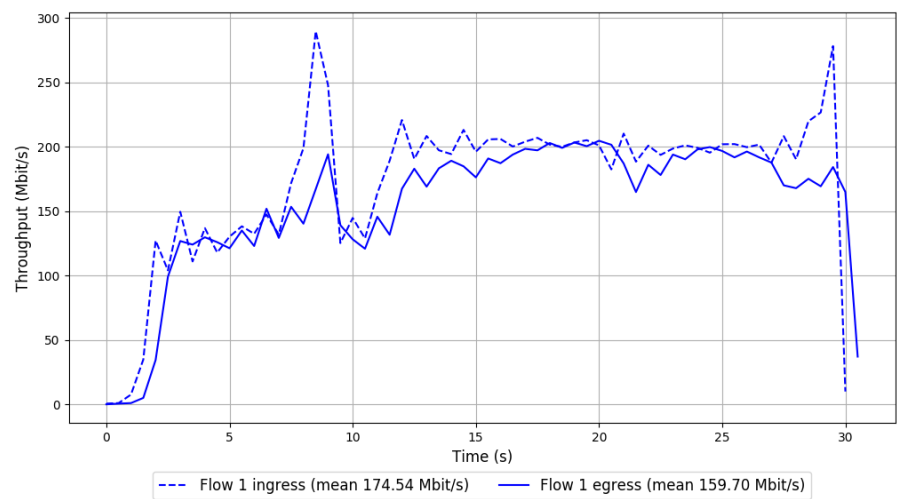


Run 9: Statistics of Copa

Start at: 2018-07-22 02:37:54
End at: 2018-07-22 02:38:24
Local clock offset: -0.277 ms
Remote clock offset: -32.383 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.70 Mbit/s
95th percentile per-packet one-way delay: 69.768 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 159.70 Mbit/s
95th percentile per-packet one-way delay: 69.768 ms
Loss rate: 8.50%

Run 9: Report of Copa — Data Link

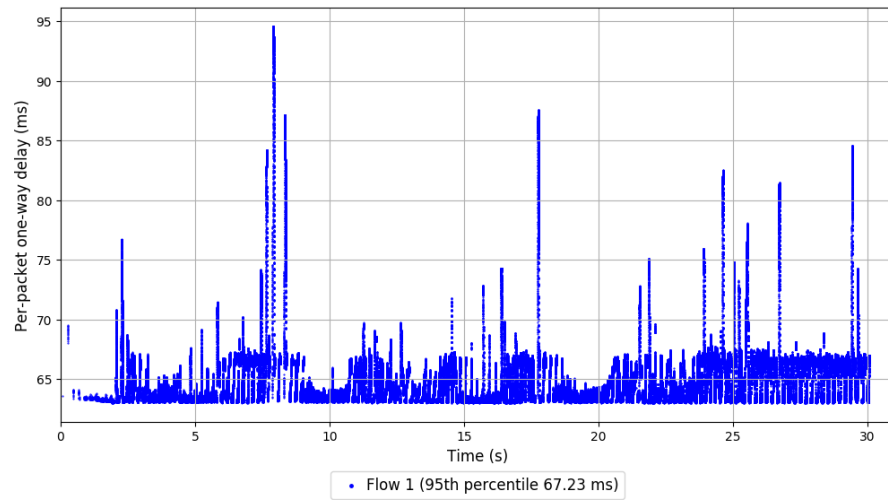
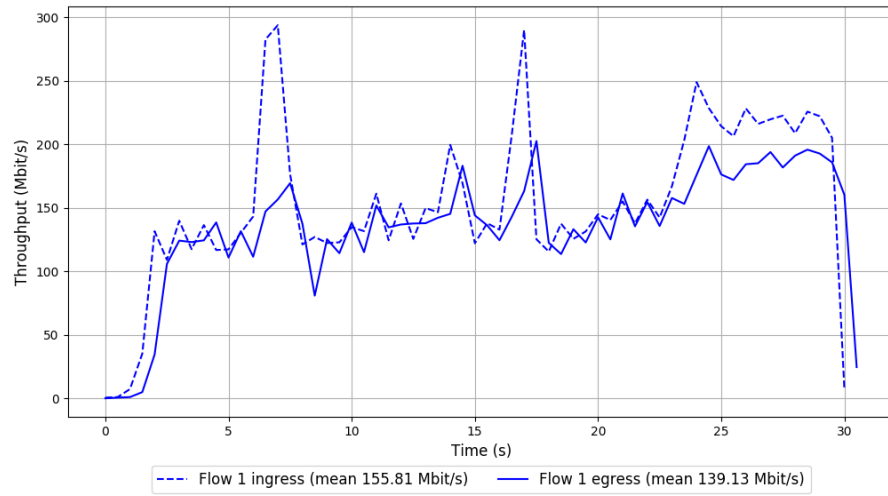


Run 10: Statistics of Copa

Start at: 2018-07-22 03:11:15
End at: 2018-07-22 03:11:45
Local clock offset: -1.431 ms
Remote clock offset: -35.221 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.13 Mbit/s
95th percentile per-packet one-way delay: 67.233 ms
Loss rate: 10.70%
-- Flow 1:
Average throughput: 139.13 Mbit/s
95th percentile per-packet one-way delay: 67.233 ms
Loss rate: 10.70%

Run 10: Report of Copa — Data Link

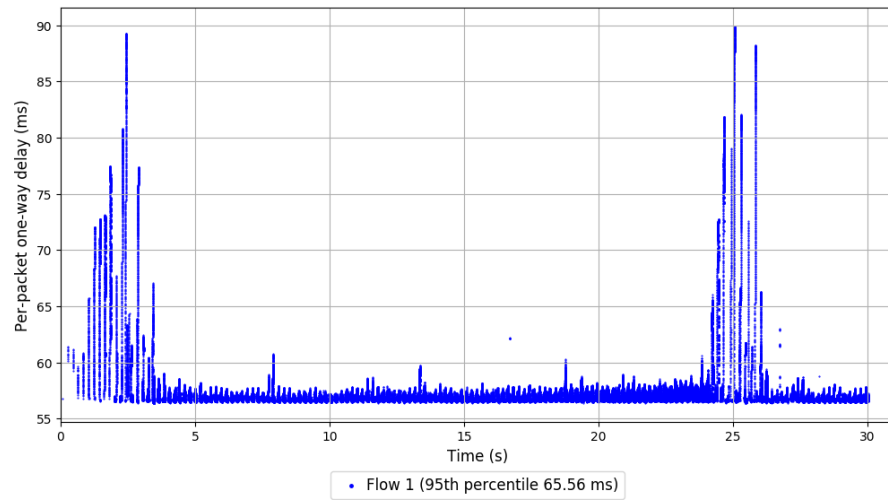
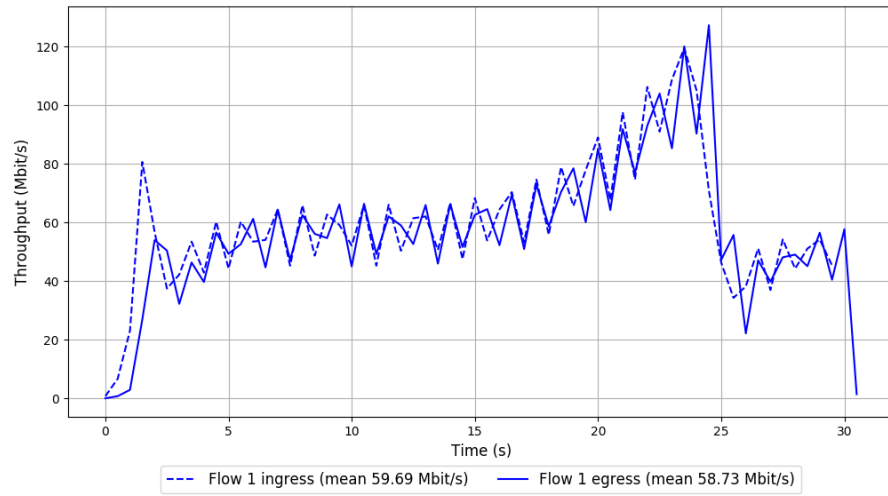


Run 1: Statistics of TCP Cubic

Start at: 2018-07-21 23:02:49
End at: 2018-07-21 23:03:20
Local clock offset: 0.936 ms
Remote clock offset: -35.183 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 65.563 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 65.563 ms
Loss rate: 1.61%

Run 1: Report of TCP Cubic — Data Link

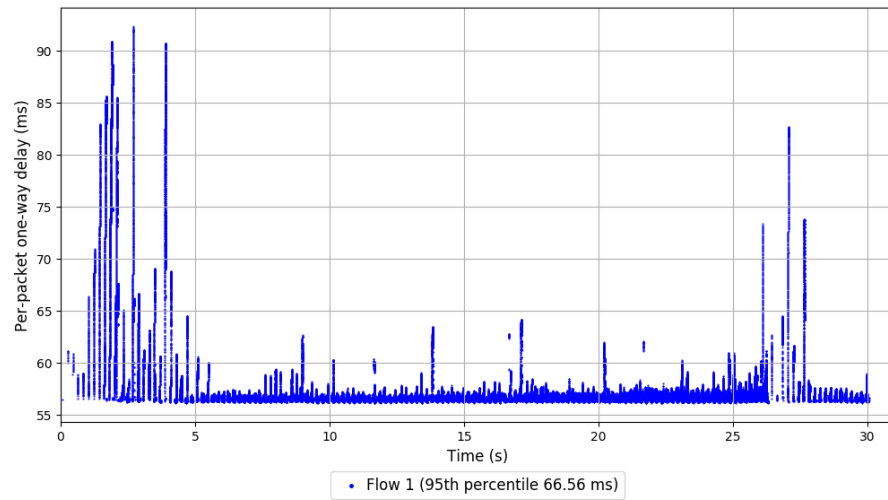
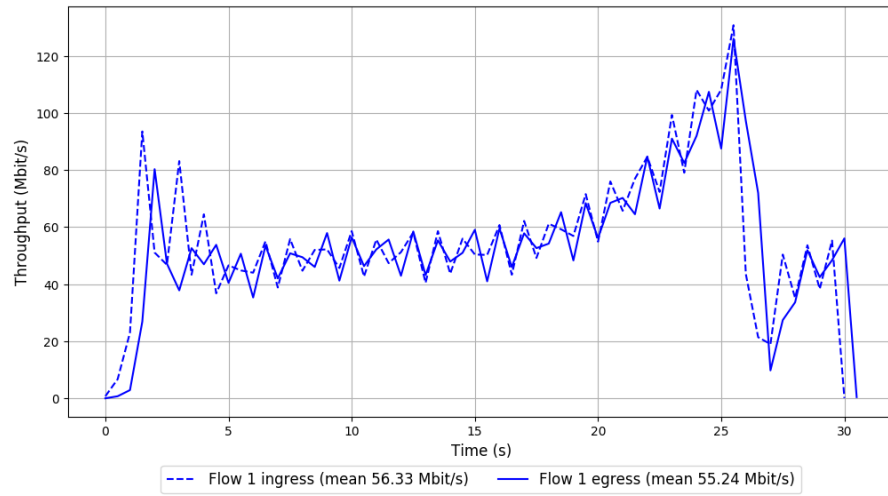


Run 2: Statistics of TCP Cubic

Start at: 2018-07-21 23:47:16
End at: 2018-07-21 23:47:46
Local clock offset: -0.049 ms
Remote clock offset: -35.712 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 66.560 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 66.560 ms
Loss rate: 1.94%

Run 2: Report of TCP Cubic — Data Link

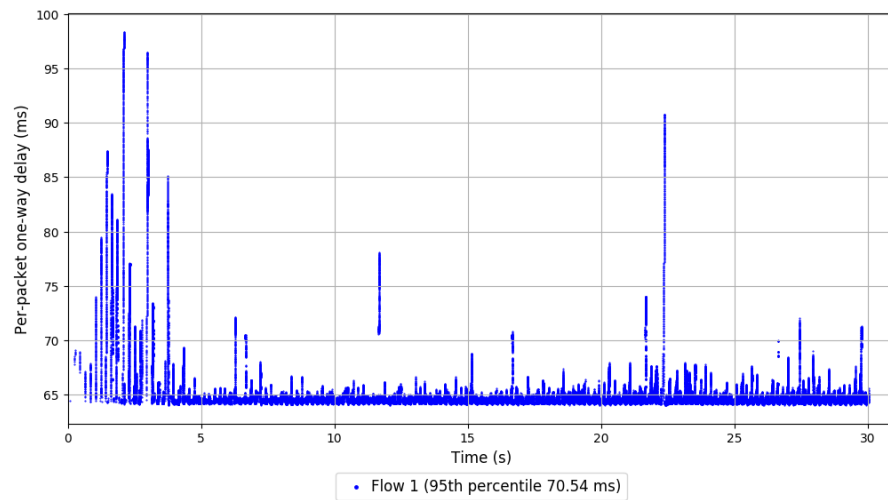
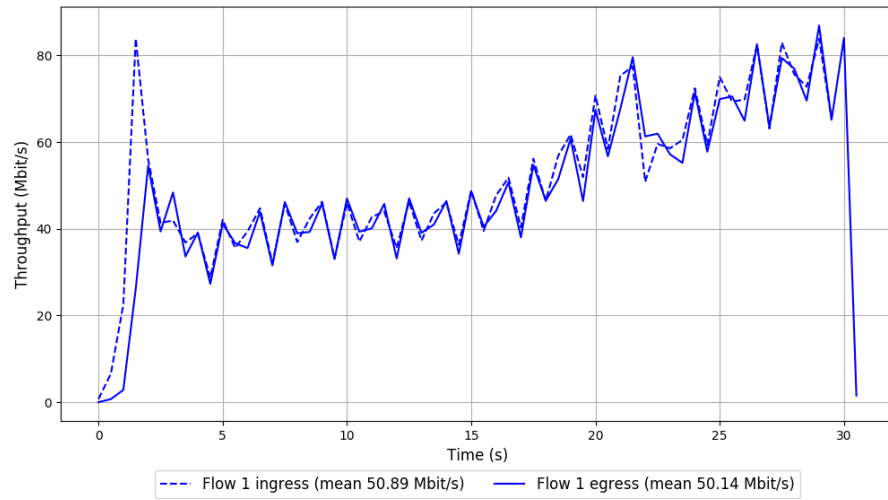


Run 3: Statistics of TCP Cubic

Start at: 2018-07-22 00:15:32
End at: 2018-07-22 00:16:02
Local clock offset: 0.134 ms
Remote clock offset: -27.283 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 70.538 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 70.538 ms
Loss rate: 1.48%

Run 3: Report of TCP Cubic — Data Link

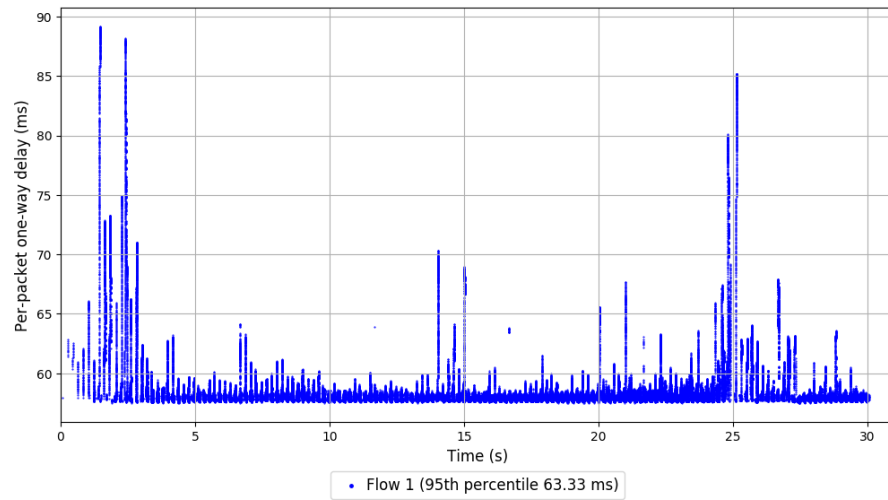
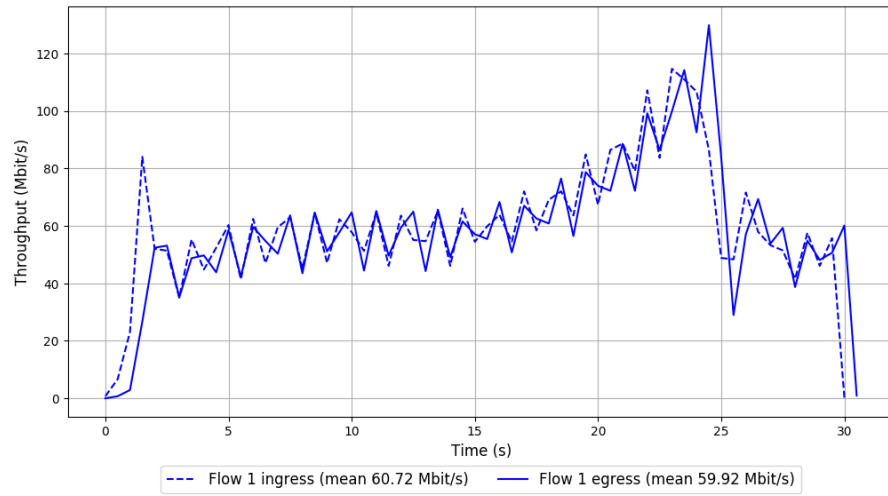


Run 4: Statistics of TCP Cubic

Start at: 2018-07-22 00:37:53
End at: 2018-07-22 00:38:23
Local clock offset: -0.363 ms
Remote clock offset: -34.66 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 63.326 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 63.326 ms
Loss rate: 1.32%

Run 4: Report of TCP Cubic — Data Link

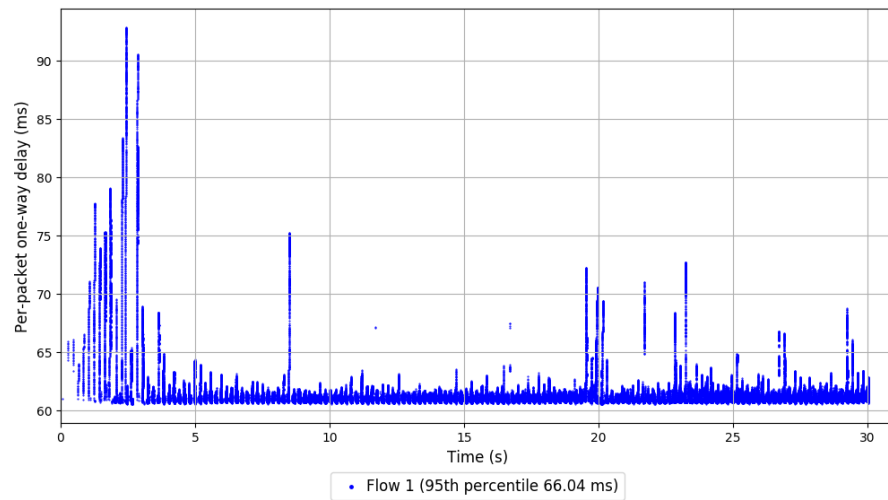
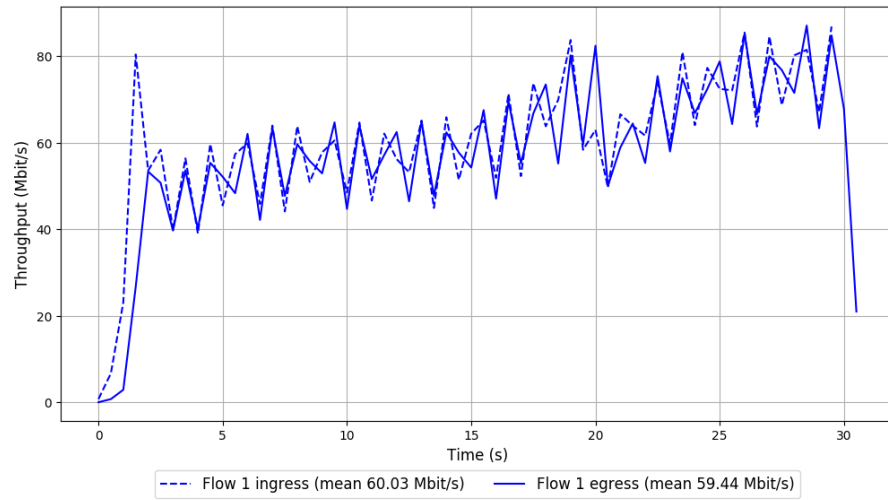


Run 5: Statistics of TCP Cubic

Start at: 2018-07-22 01:00:01
End at: 2018-07-22 01:00:31
Local clock offset: -7.532 ms
Remote clock offset: -38.355 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 66.040 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 66.040 ms
Loss rate: 0.99%

Run 5: Report of TCP Cubic — Data Link

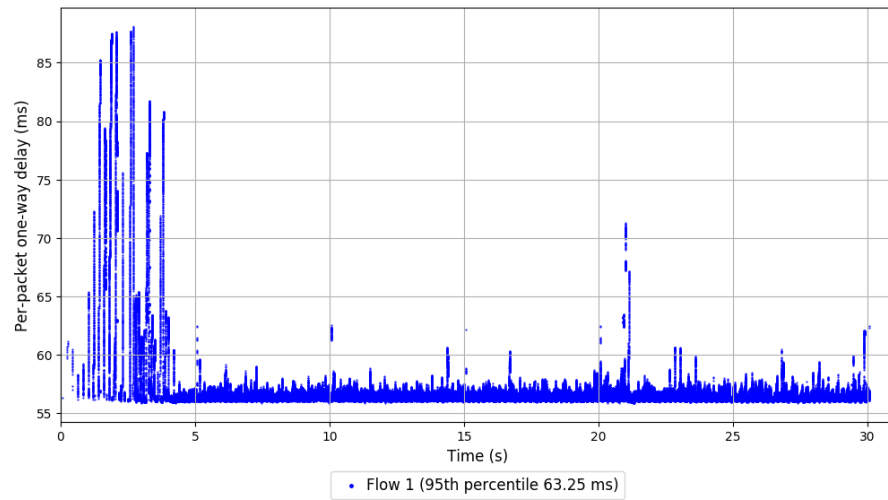
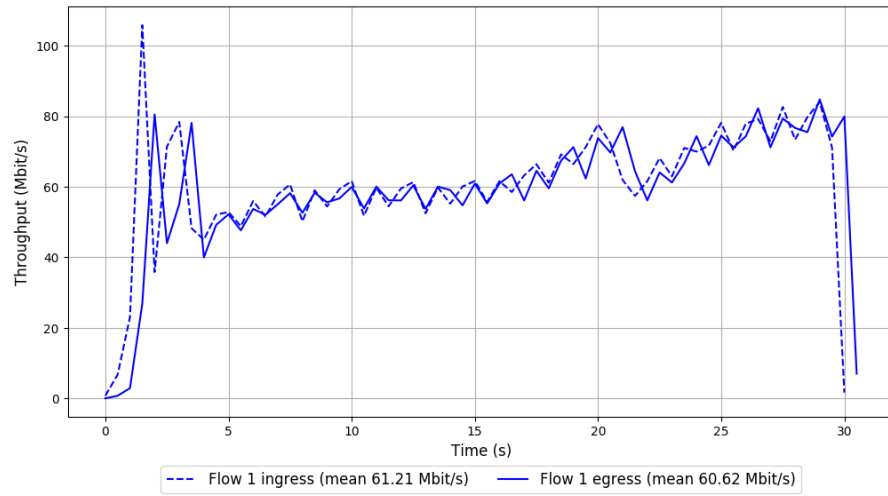


Run 6: Statistics of TCP Cubic

Start at: 2018-07-22 01:22:08
End at: 2018-07-22 01:22:38
Local clock offset: 0.319 ms
Remote clock offset: -36.33 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 63.250 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 63.250 ms
Loss rate: 0.95%

Run 6: Report of TCP Cubic — Data Link

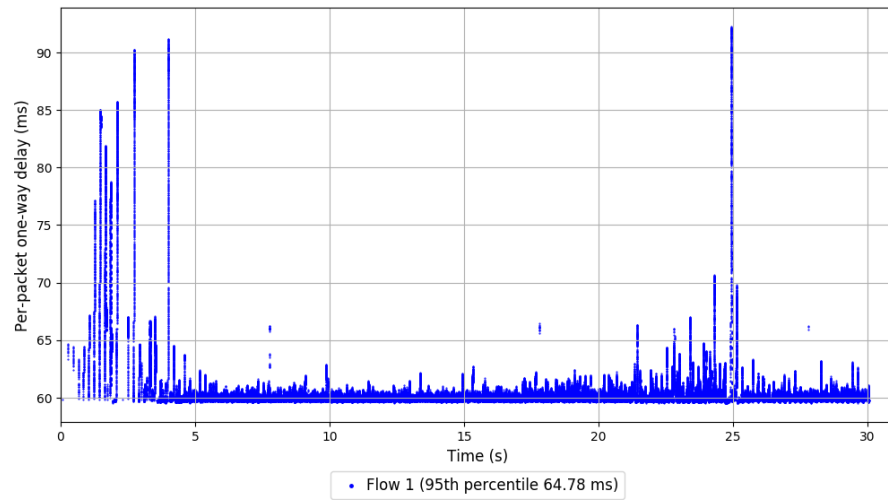
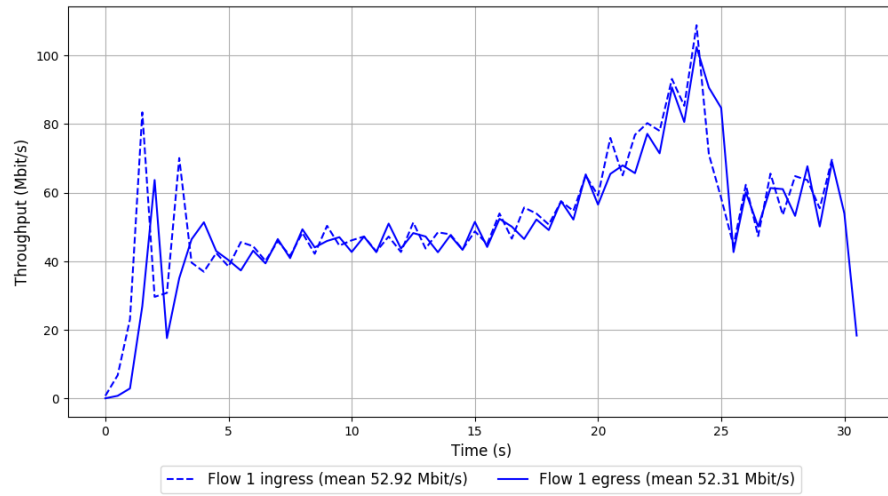


Run 7: Statistics of TCP Cubic

Start at: 2018-07-22 01:59:33
End at: 2018-07-22 02:00:03
Local clock offset: 1.294 ms
Remote clock offset: -37.421 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 64.783 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 64.783 ms
Loss rate: 1.17%

Run 7: Report of TCP Cubic — Data Link

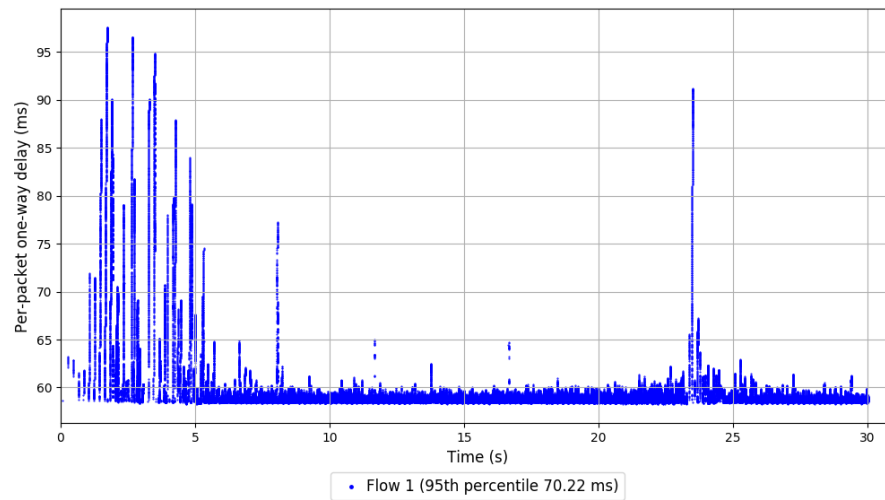
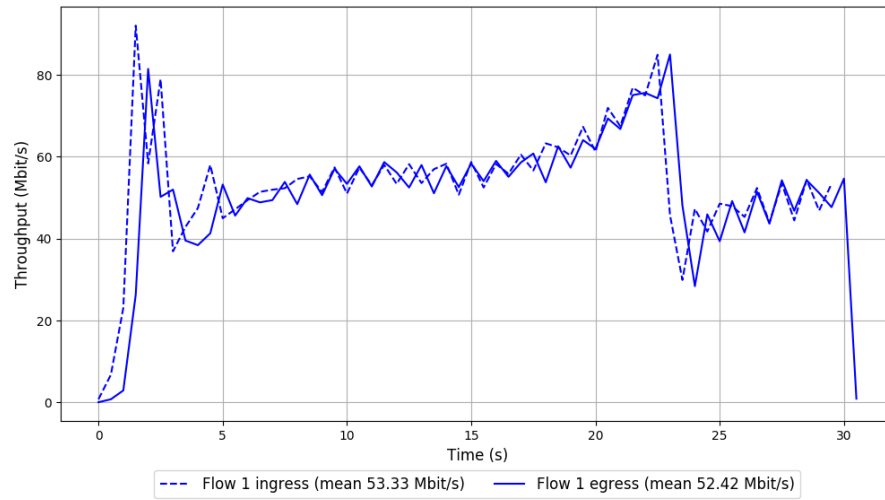


Run 8: Statistics of TCP Cubic

Start at: 2018-07-22 02:32:51
End at: 2018-07-22 02:33:21
Local clock offset: 0.514 ms
Remote clock offset: -39.232 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 70.220 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 70.220 ms
Loss rate: 1.72%

Run 8: Report of TCP Cubic — Data Link

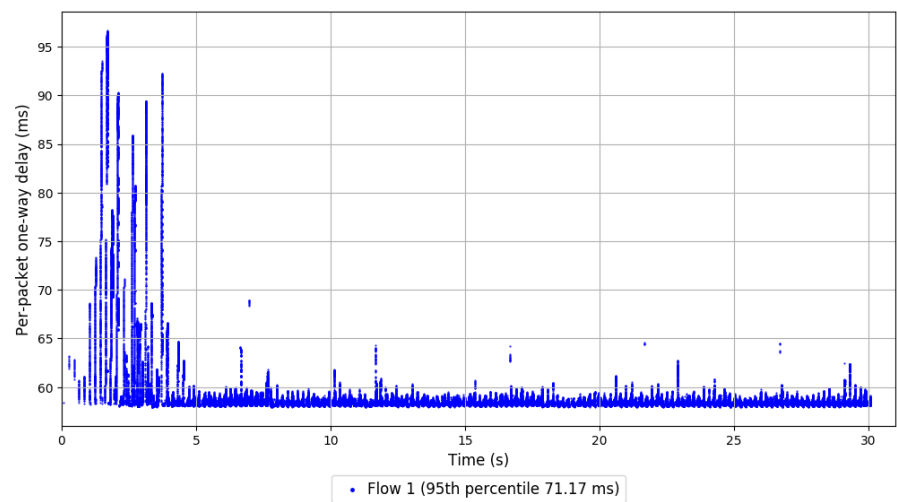
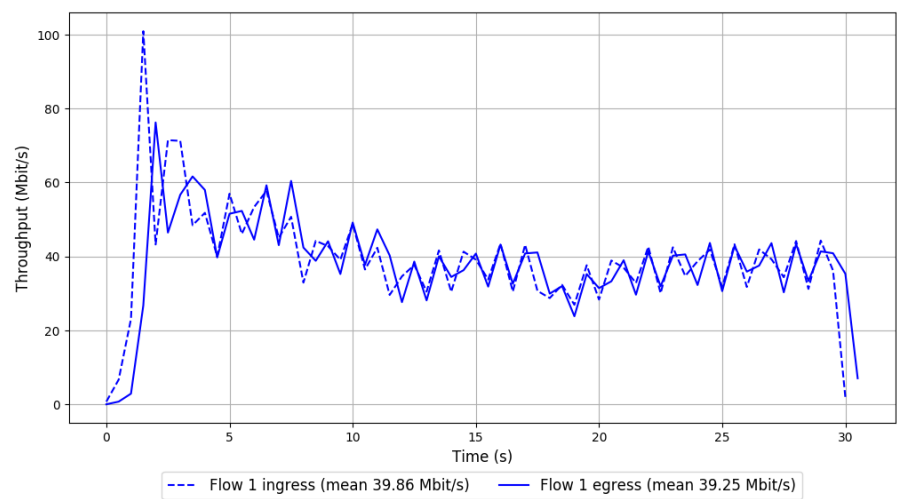


Run 9: Statistics of TCP Cubic

Start at: 2018-07-22 03:06:18
End at: 2018-07-22 03:06:48
Local clock offset: 1.294 ms
Remote clock offset: -35.203 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 71.165 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 71.165 ms
Loss rate: 1.53%

Run 9: Report of TCP Cubic — Data Link

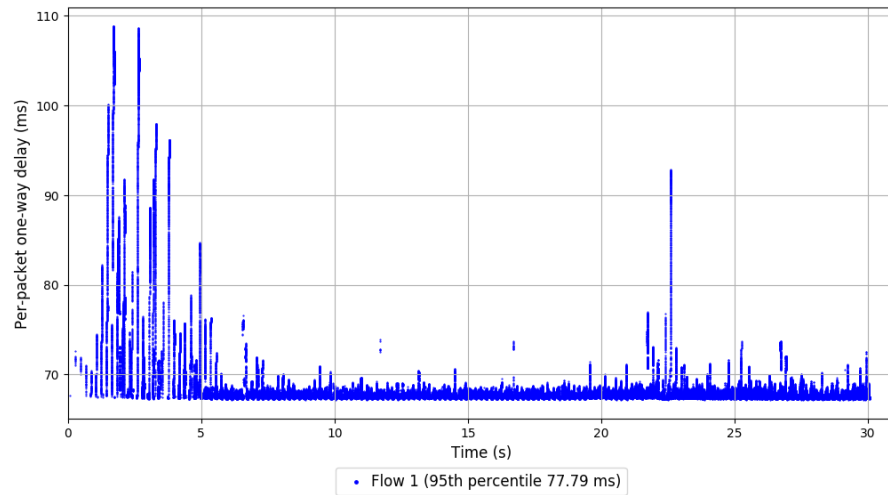
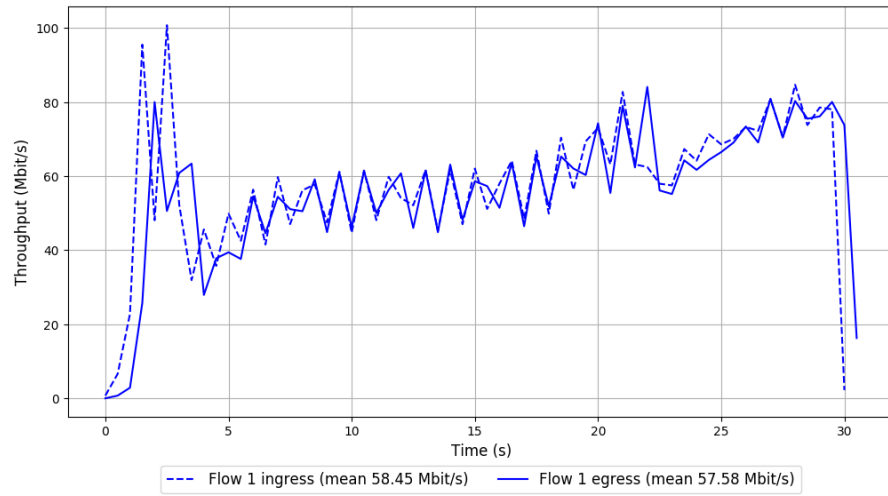


Run 10: Statistics of TCP Cubic

Start at: 2018-07-22 03:28:17
End at: 2018-07-22 03:28:47
Local clock offset: -4.547 ms
Remote clock offset: -33.567 ms

Below is generated by plot.py at 2018-07-22 03:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 77.786 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 77.786 ms
Loss rate: 1.49%

Run 10: Report of TCP Cubic — Data Link

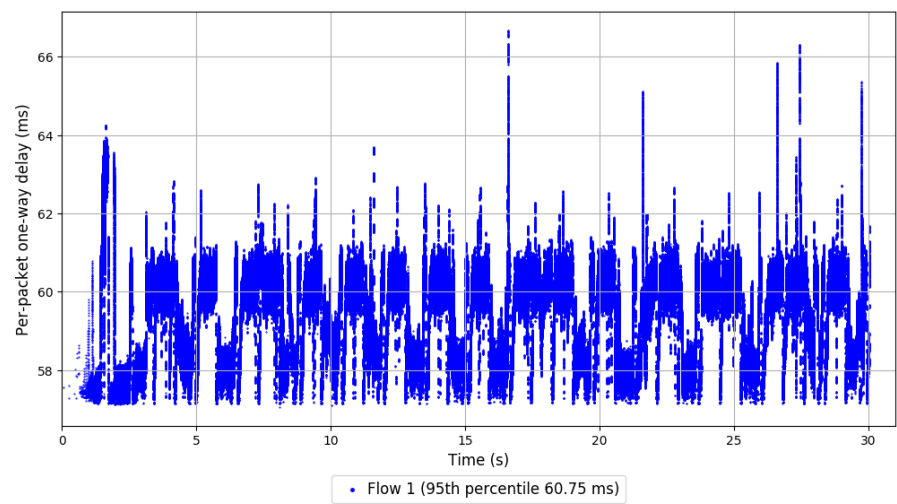
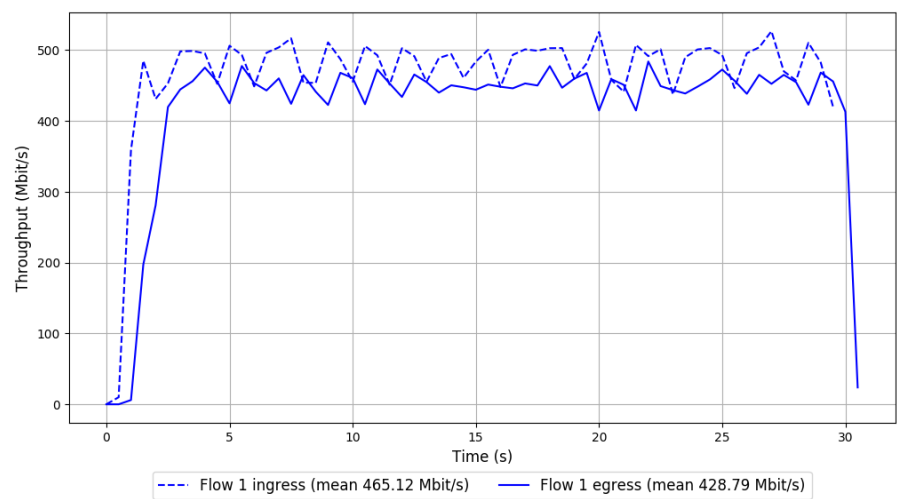


Run 1: Statistics of FillP

Start at: 2018-07-21 22:38:42
End at: 2018-07-21 22:39:12
Local clock offset: -1.357 ms
Remote clock offset: -35.895 ms

Below is generated by plot.py at 2018-07-22 03:46:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 428.79 Mbit/s
95th percentile per-packet one-way delay: 60.753 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 428.79 Mbit/s
95th percentile per-packet one-way delay: 60.753 ms
Loss rate: 7.80%

Run 1: Report of FillP — Data Link

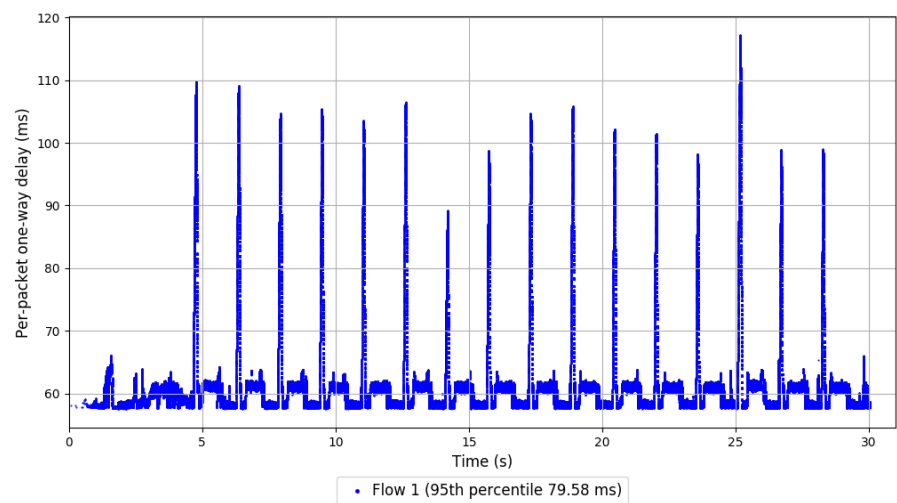
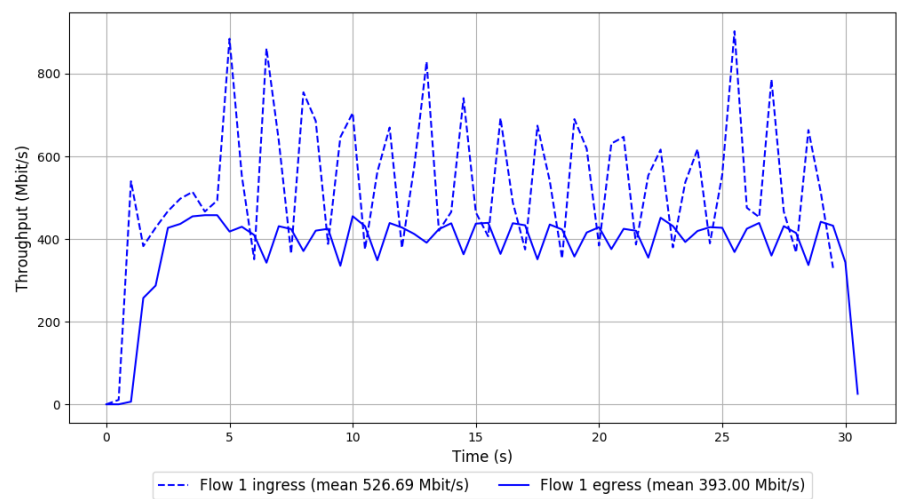


Run 2: Statistics of FillP

Start at: 2018-07-21 23:21:35
End at: 2018-07-21 23:22:05
Local clock offset: 2.313 ms
Remote clock offset: -32.249 ms

Below is generated by plot.py at 2018-07-22 03:46:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 393.00 Mbit/s
95th percentile per-packet one-way delay: 79.581 ms
Loss rate: 25.38%
-- Flow 1:
Average throughput: 393.00 Mbit/s
95th percentile per-packet one-way delay: 79.581 ms
Loss rate: 25.38%

Run 2: Report of FillP — Data Link

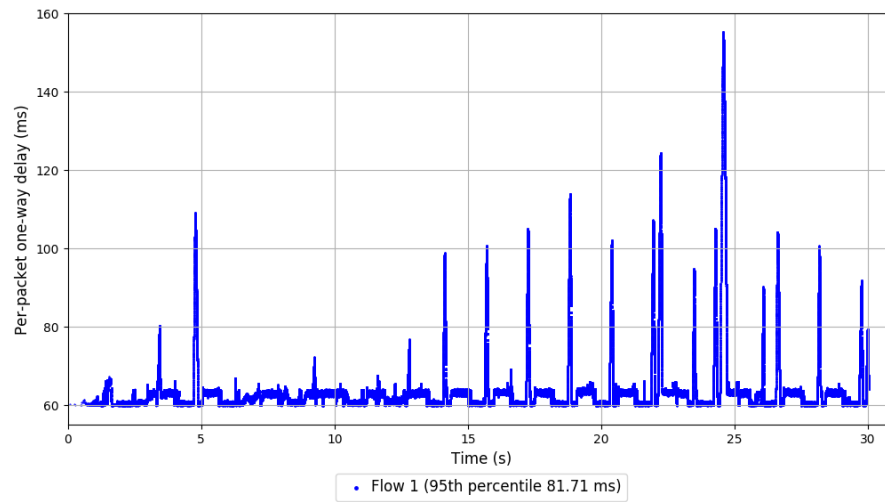
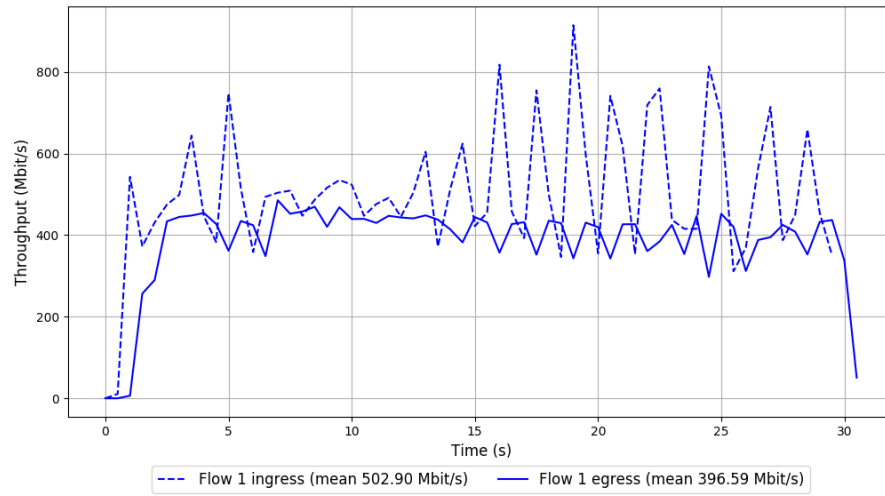


Run 3: Statistics of FillP

Start at: 2018-07-21 23:54:54
End at: 2018-07-21 23:55:24
Local clock offset: -2.724 ms
Remote clock offset: -34.125 ms

Below is generated by plot.py at 2018-07-22 03:46:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.59 Mbit/s
95th percentile per-packet one-way delay: 81.714 ms
Loss rate: 21.13%
-- Flow 1:
Average throughput: 396.59 Mbit/s
95th percentile per-packet one-way delay: 81.714 ms
Loss rate: 21.13%

Run 3: Report of FillP — Data Link

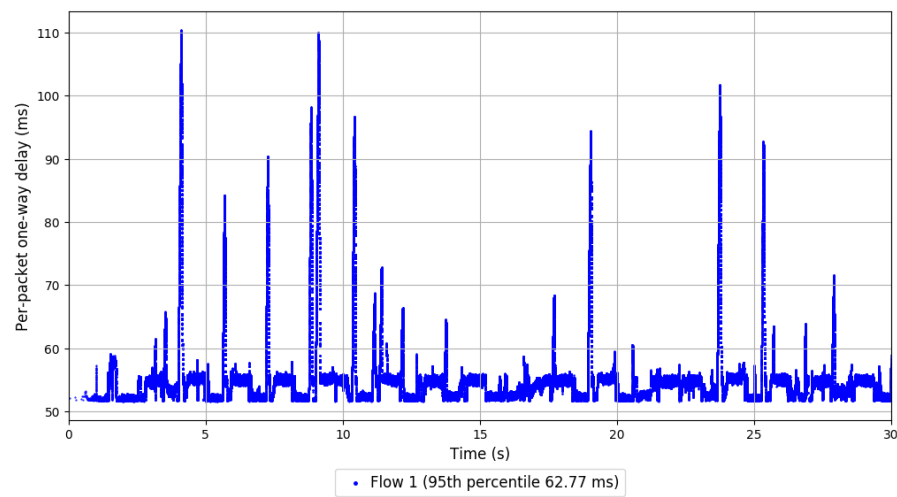
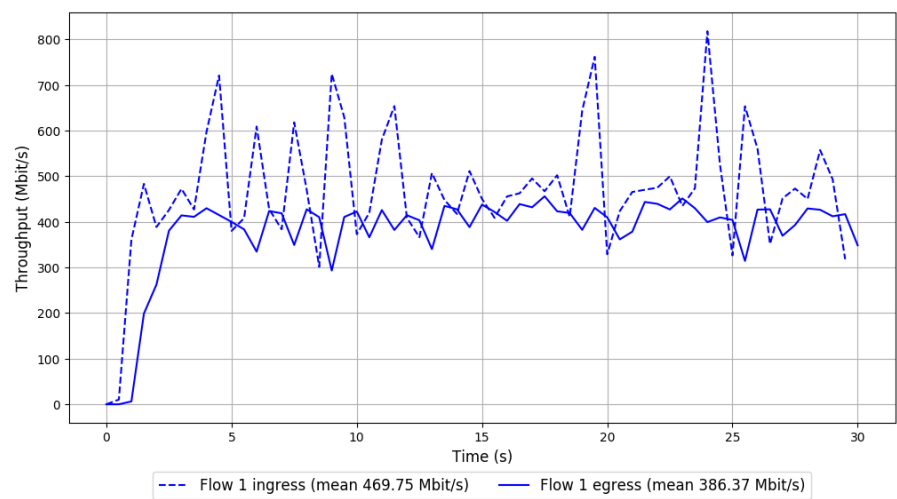


Run 4: Statistics of FillP

Start at: 2018-07-22 00:23:24
End at: 2018-07-22 00:23:54
Local clock offset: 0.443 ms
Remote clock offset: -41.783 ms

Below is generated by plot.py at 2018-07-22 03:46:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 386.37 Mbit/s
95th percentile per-packet one-way delay: 62.766 ms
Loss rate: 17.75%
-- Flow 1:
Average throughput: 386.37 Mbit/s
95th percentile per-packet one-way delay: 62.766 ms
Loss rate: 17.75%

Run 4: Report of FillP — Data Link

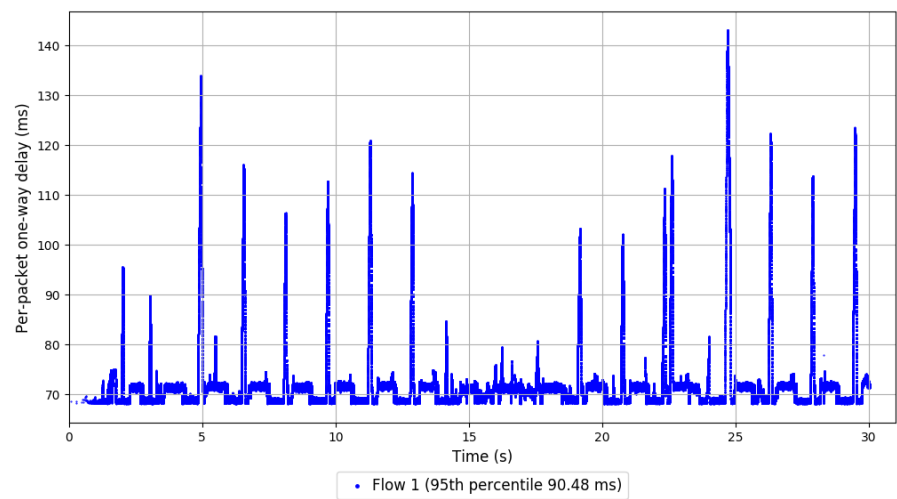
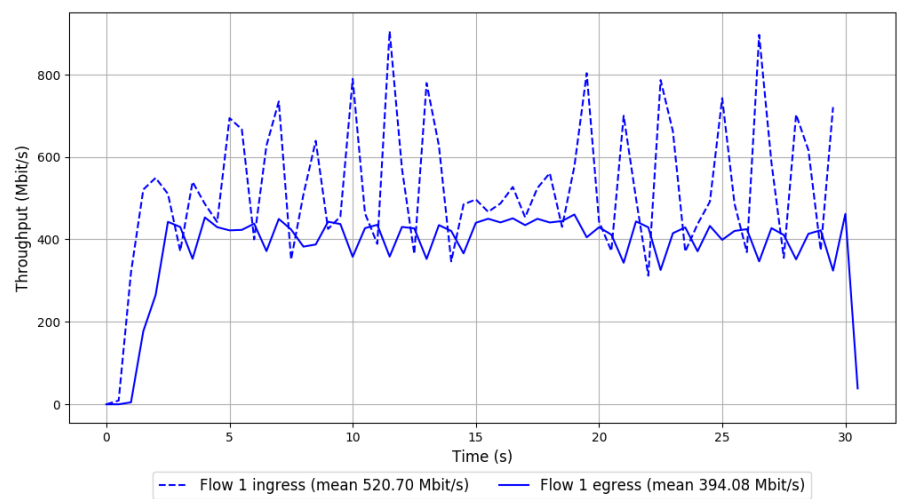


Run 5: Statistics of FillP

Start at: 2018-07-22 00:45:29
End at: 2018-07-22 00:45:59
Local clock offset: -2.299 ms
Remote clock offset: -27.915 ms

Below is generated by plot.py at 2018-07-22 03:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 394.08 Mbit/s
95th percentile per-packet one-way delay: 90.485 ms
Loss rate: 24.31%
-- Flow 1:
Average throughput: 394.08 Mbit/s
95th percentile per-packet one-way delay: 90.485 ms
Loss rate: 24.31%

Run 5: Report of FillP — Data Link

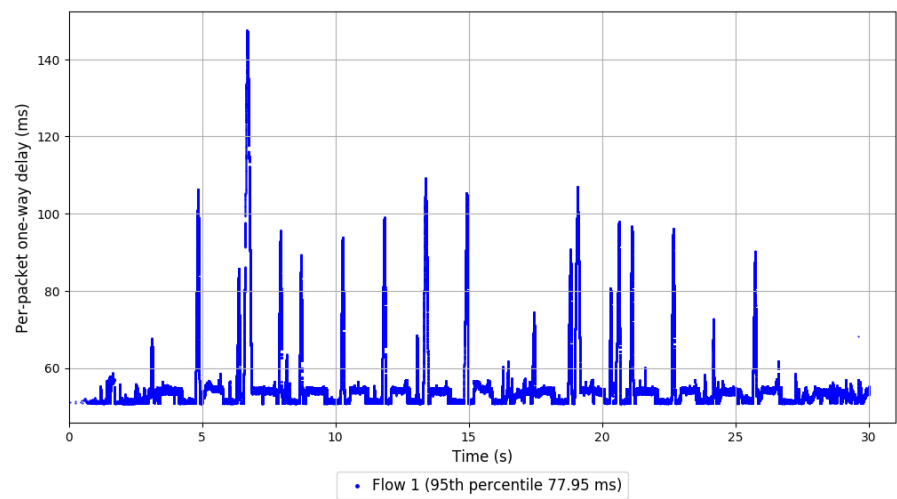
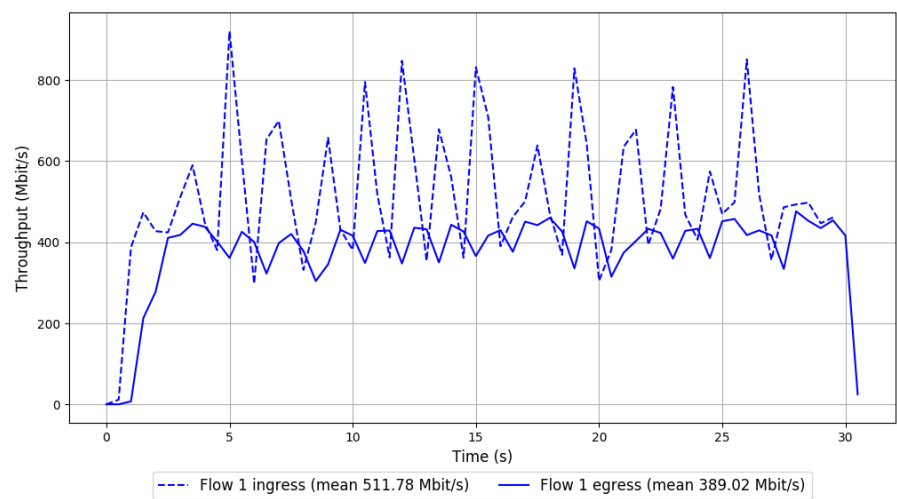


Run 6: Statistics of FillP

Start at: 2018-07-22 01:07:36
End at: 2018-07-22 01:08:06
Local clock offset: 0.559 ms
Remote clock offset: -40.342 ms

Below is generated by plot.py at 2018-07-22 03:46:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.02 Mbit/s
95th percentile per-packet one-way delay: 77.953 ms
Loss rate: 23.98%
-- Flow 1:
Average throughput: 389.02 Mbit/s
95th percentile per-packet one-way delay: 77.953 ms
Loss rate: 23.98%

Run 6: Report of FillP — Data Link

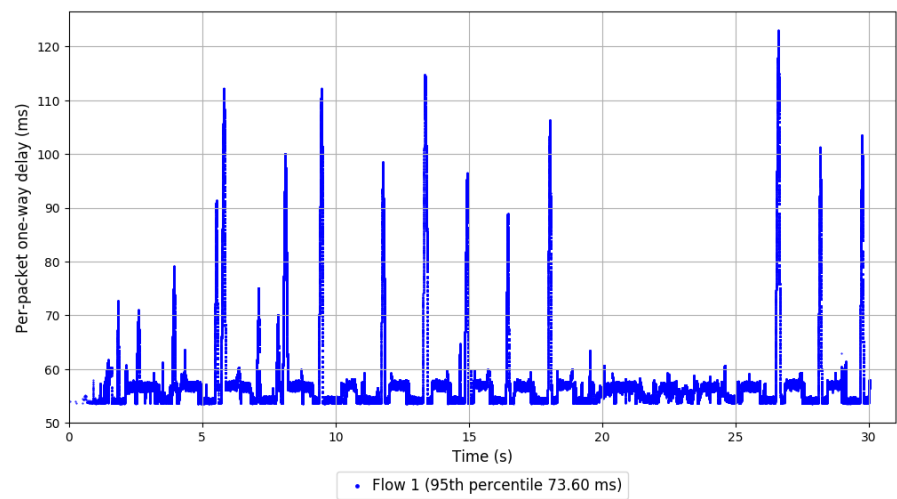
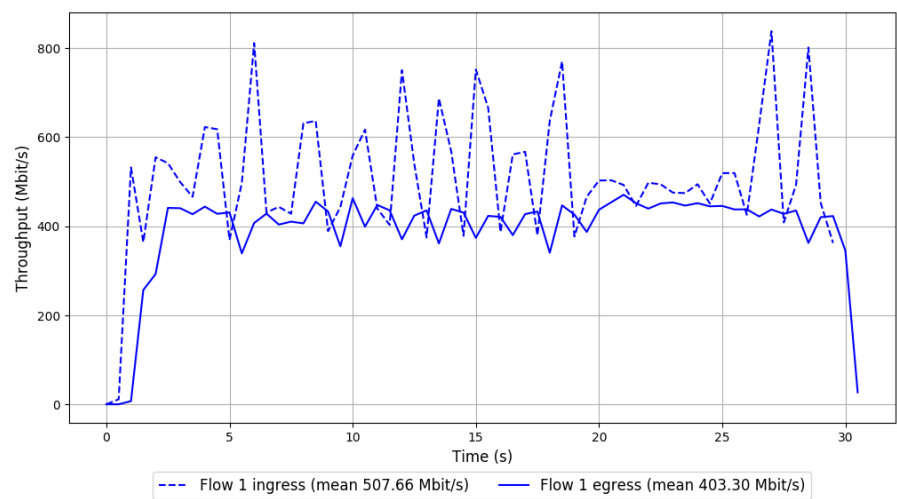


Run 7: Statistics of FillP

Start at: 2018-07-22 01:29:43
End at: 2018-07-22 01:30:13
Local clock offset: 2.27 ms
Remote clock offset: -37.181 ms

Below is generated by plot.py at 2018-07-22 03:47:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 403.30 Mbit/s
95th percentile per-packet one-way delay: 73.596 ms
Loss rate: 20.55%
-- Flow 1:
Average throughput: 403.30 Mbit/s
95th percentile per-packet one-way delay: 73.596 ms
Loss rate: 20.55%

Run 7: Report of FillP — Data Link

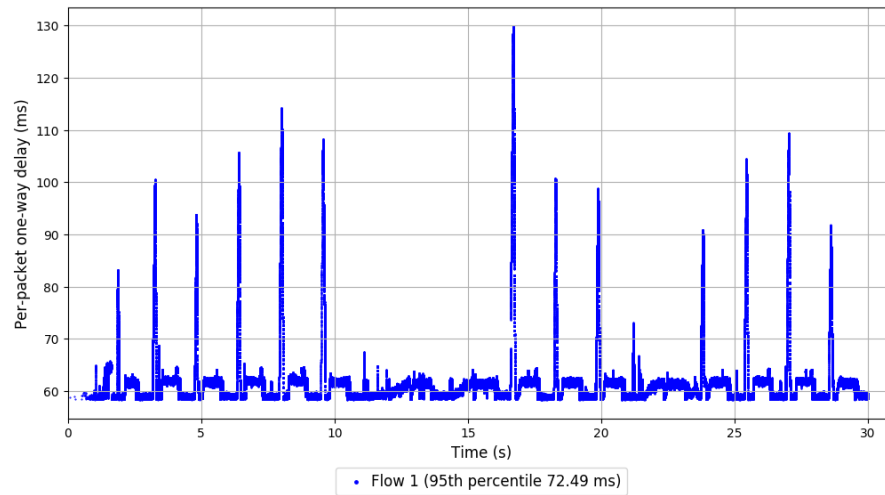
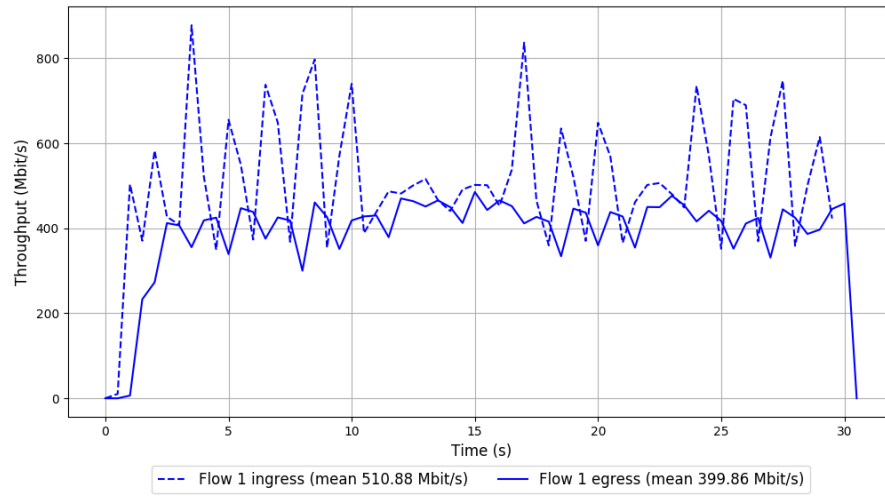


Run 8: Statistics of FillP

Start at: 2018-07-22 02:12:48
End at: 2018-07-22 02:13:18
Local clock offset: 0.13 ms
Remote clock offset: -39.911 ms

Below is generated by plot.py at 2018-07-22 03:47:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.86 Mbit/s
95th percentile per-packet one-way delay: 72.494 ms
Loss rate: 21.74%
-- Flow 1:
Average throughput: 399.86 Mbit/s
95th percentile per-packet one-way delay: 72.494 ms
Loss rate: 21.74%

Run 8: Report of FillP — Data Link

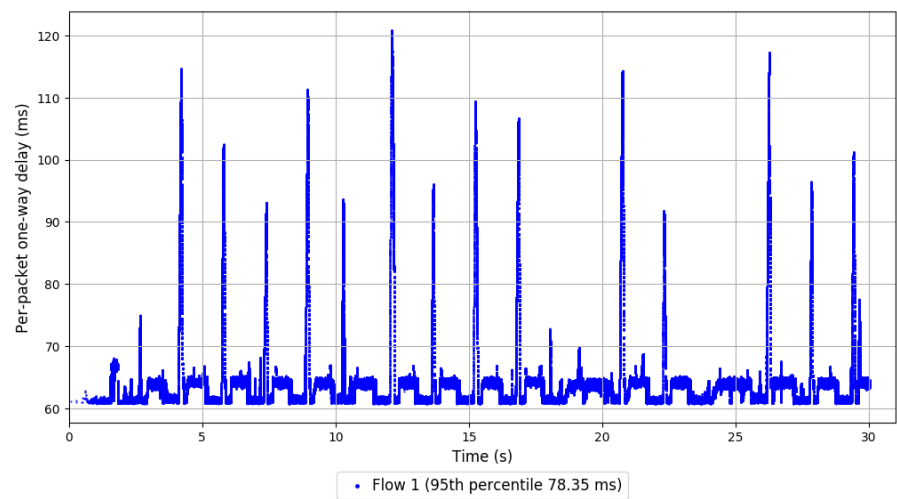
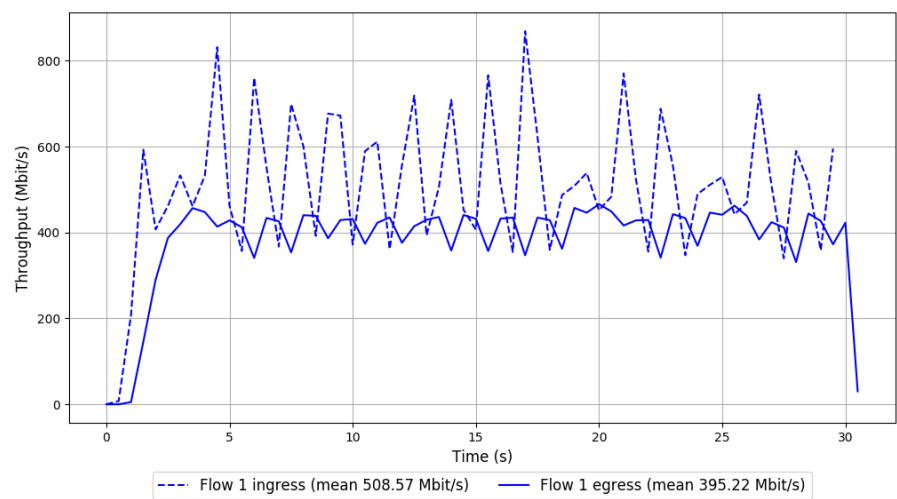


Run 9: Statistics of FillP

Start at: 2018-07-22 02:45:59
End at: 2018-07-22 02:46:29
Local clock offset: -0.17 ms
Remote clock offset: -37.418 ms

Below is generated by plot.py at 2018-07-22 03:51:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.22 Mbit/s
95th percentile per-packet one-way delay: 78.347 ms
Loss rate: 22.29%
-- Flow 1:
Average throughput: 395.22 Mbit/s
95th percentile per-packet one-way delay: 78.347 ms
Loss rate: 22.29%

Run 9: Report of FillP — Data Link

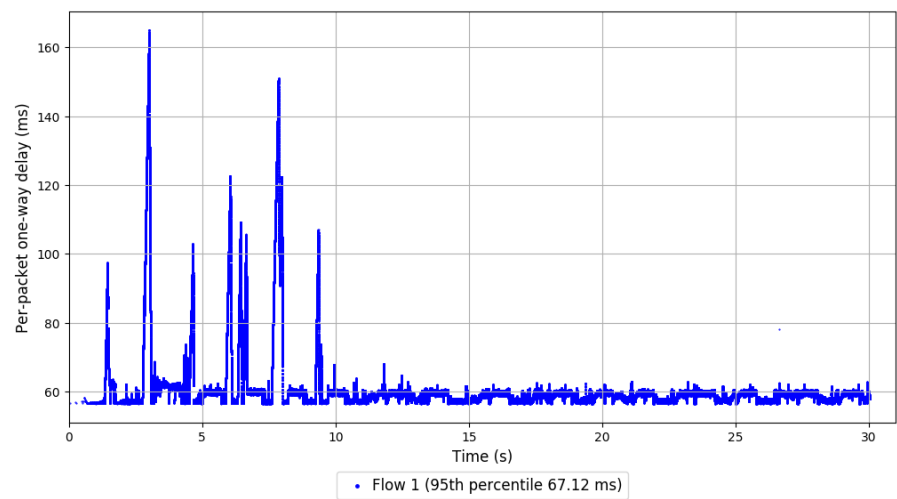
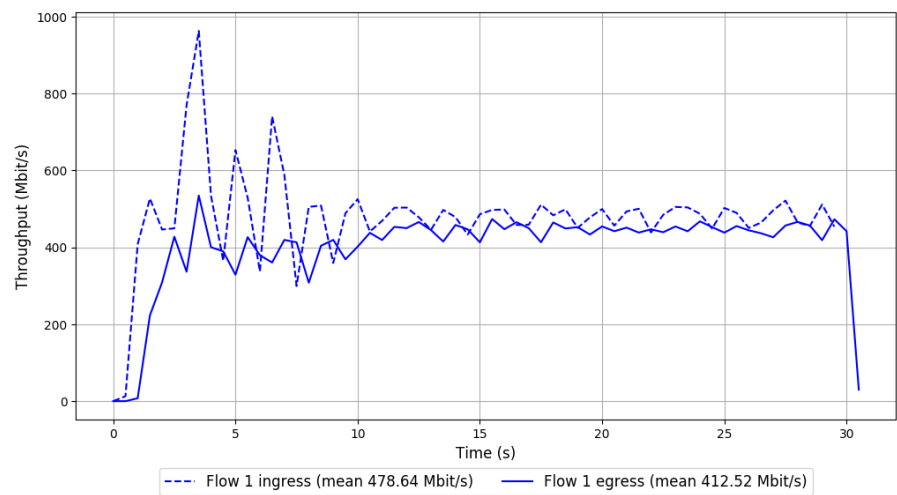


Run 10: Statistics of FillP

Start at: 2018-07-22 03:13:51
End at: 2018-07-22 03:14:21
Local clock offset: -0.412 ms
Remote clock offset: -37.996 ms

Below is generated by plot.py at 2018-07-22 03:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 412.52 Mbit/s
95th percentile per-packet one-way delay: 67.122 ms
Loss rate: 13.81%
-- Flow 1:
Average throughput: 412.52 Mbit/s
95th percentile per-packet one-way delay: 67.122 ms
Loss rate: 13.81%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-21 22:56:09

End at: 2018-07-21 22:56:39

Local clock offset: 2.355 ms

Remote clock offset: -37.061 ms

Below is generated by plot.py at 2018-07-22 03:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.06 Mbit/s

95th percentile per-packet one-way delay: 59.844 ms

Loss rate: 13.61%

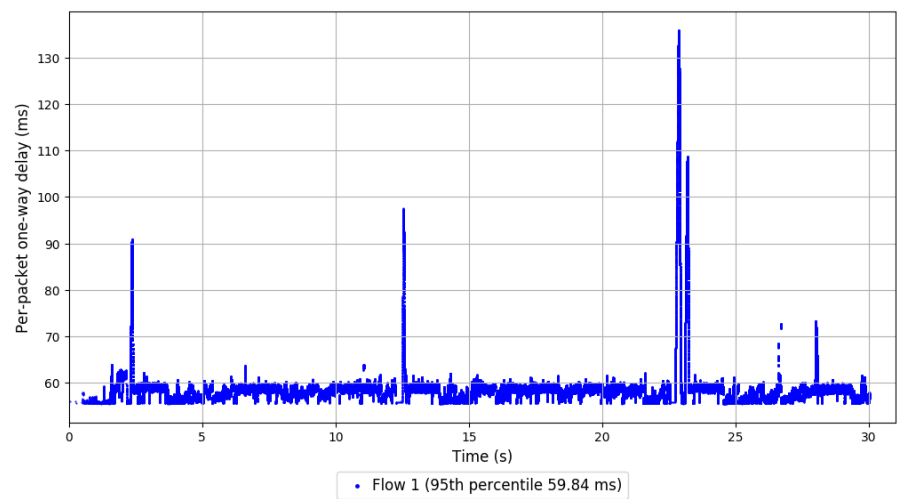
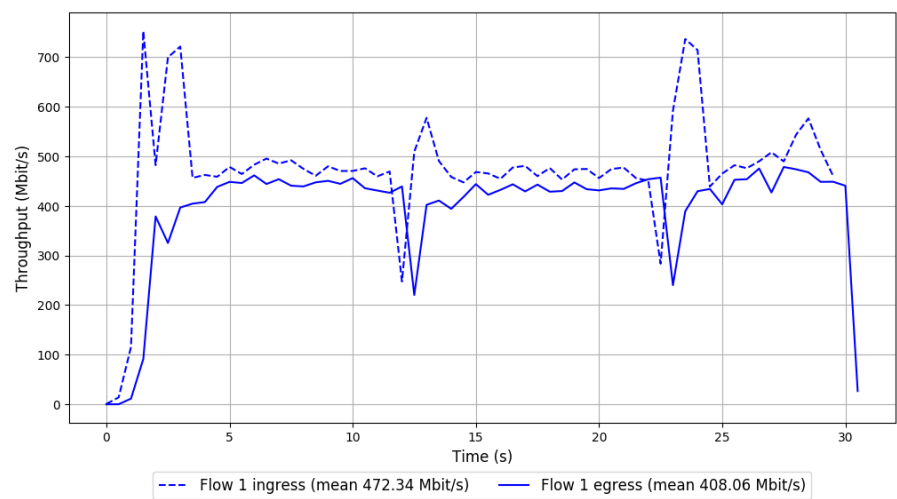
-- Flow 1:

Average throughput: 408.06 Mbit/s

95th percentile per-packet one-way delay: 59.844 ms

Loss rate: 13.61%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-21 23:35:10

End at: 2018-07-21 23:35:40

Local clock offset: -1.559 ms

Remote clock offset: -33.556 ms

Below is generated by plot.py at 2018-07-22 03:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.16 Mbit/s

95th percentile per-packet one-way delay: 66.550 ms

Loss rate: 12.69%

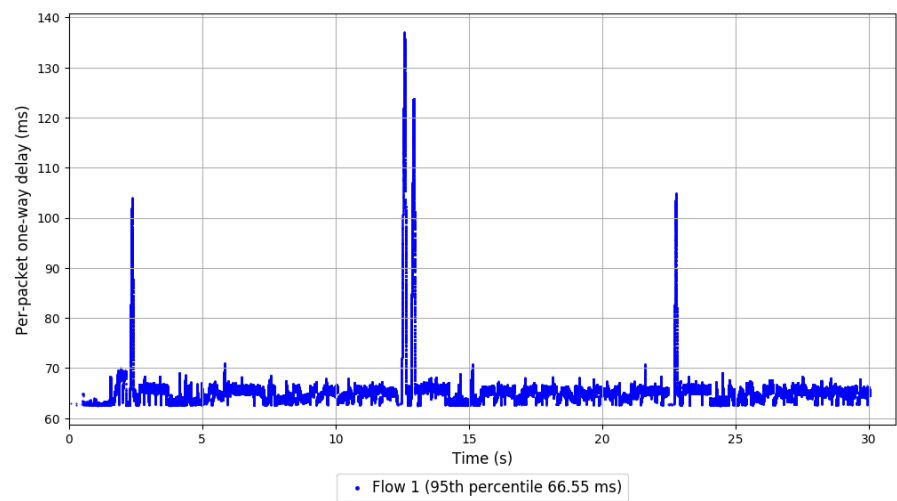
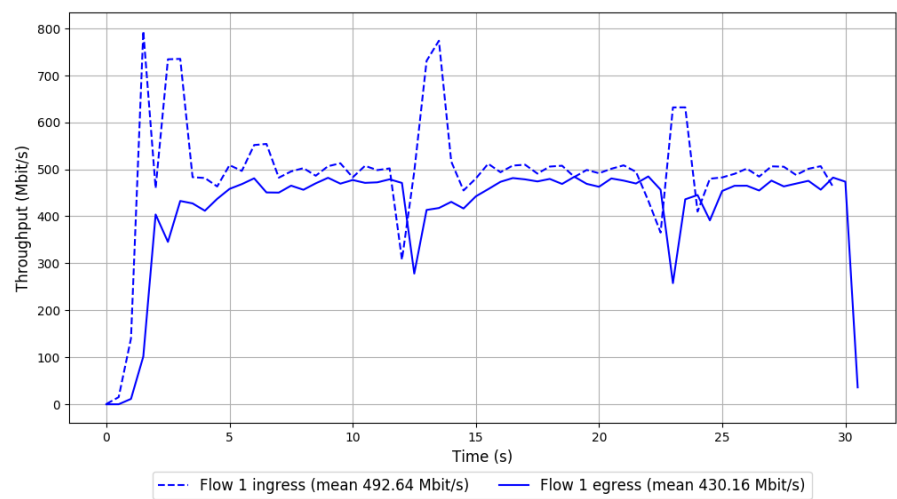
-- Flow 1:

Average throughput: 430.16 Mbit/s

95th percentile per-packet one-way delay: 66.550 ms

Loss rate: 12.69%

Run 2: Report of FillP-Sheep — Data Link

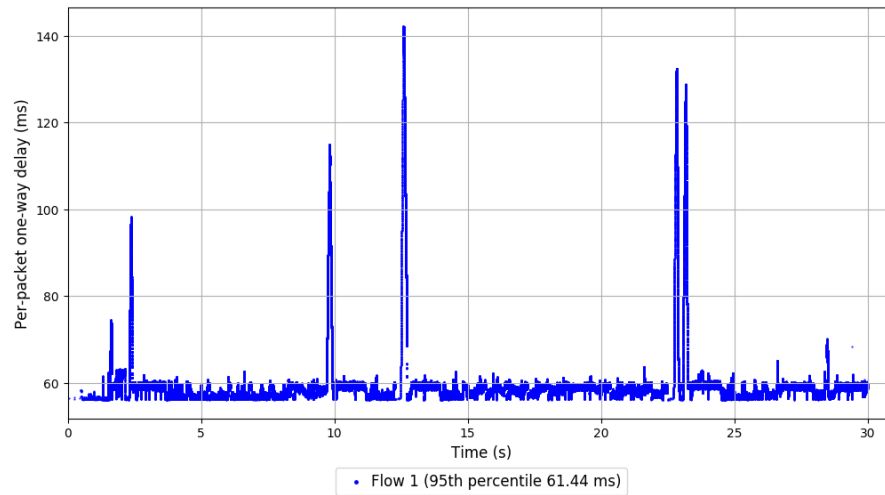
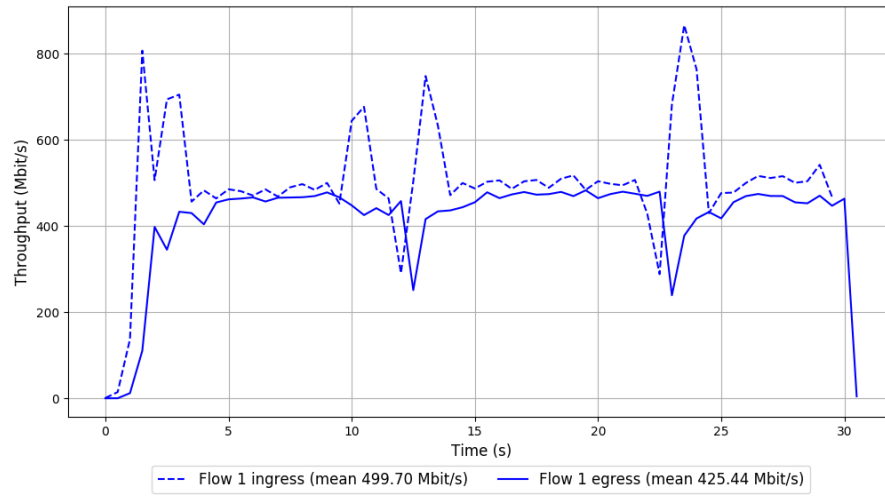


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-22 00:02:45
End at: 2018-07-22 00:03:15
Local clock offset: 0.519 ms
Remote clock offset: -34.882 ms

Below is generated by plot.py at 2018-07-22 03:52:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.44 Mbit/s
95th percentile per-packet one-way delay: 61.439 ms
Loss rate: 14.85%
-- Flow 1:
Average throughput: 425.44 Mbit/s
95th percentile per-packet one-way delay: 61.439 ms
Loss rate: 14.85%

Run 3: Report of FillP-Sheep — Data Link

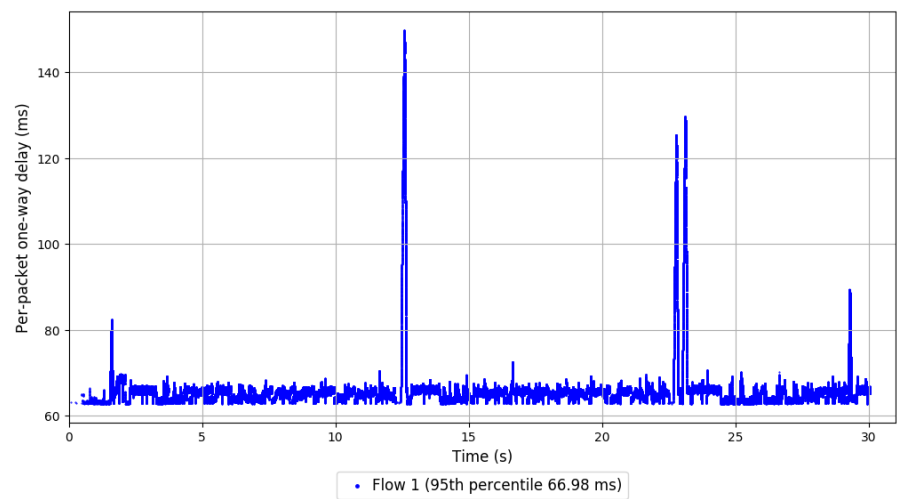
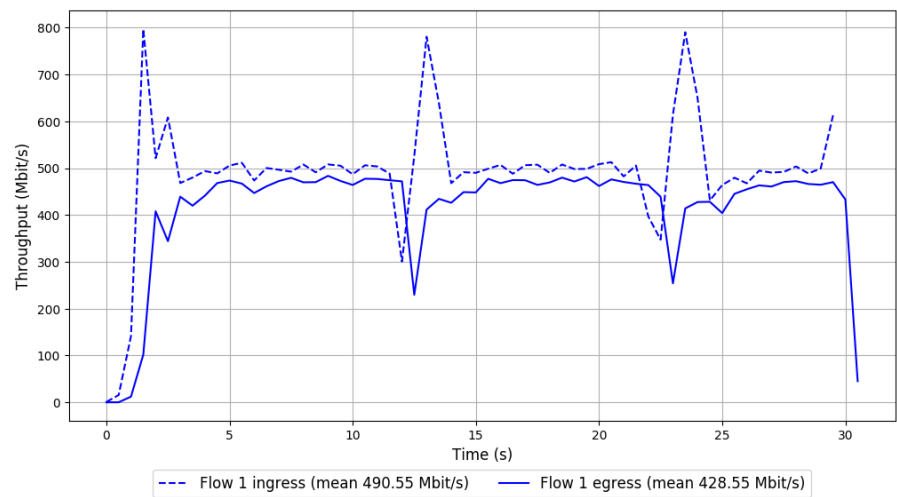


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-22 00:31:14
End at: 2018-07-22 00:31:44
Local clock offset: -2.742 ms
Remote clock offset: -31.323 ms

Below is generated by plot.py at 2018-07-22 03:52:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 428.55 Mbit/s
95th percentile per-packet one-way delay: 66.983 ms
Loss rate: 12.63%
-- Flow 1:
Average throughput: 428.55 Mbit/s
95th percentile per-packet one-way delay: 66.983 ms
Loss rate: 12.63%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-22 00:53:22

End at: 2018-07-22 00:53:52

Local clock offset: 0.542 ms

Remote clock offset: -34.333 ms

Below is generated by plot.py at 2018-07-22 03:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.40 Mbit/s

95th percentile per-packet one-way delay: 60.436 ms

Loss rate: 10.40%

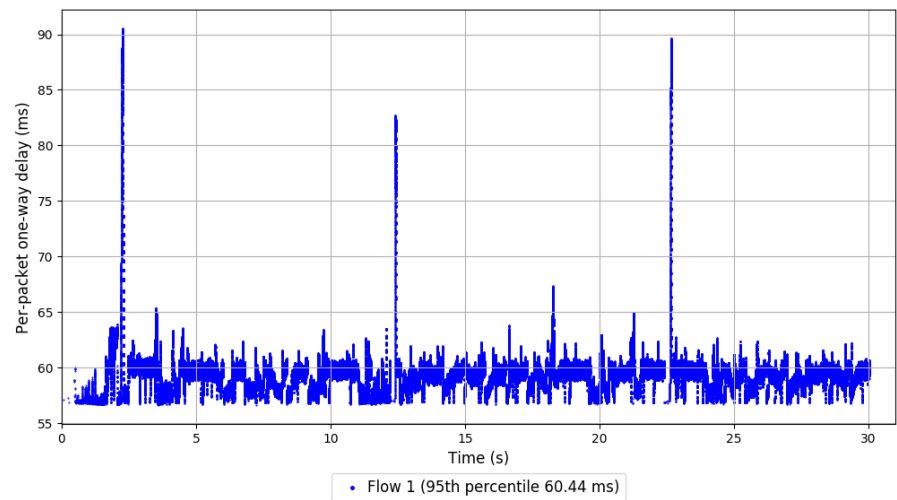
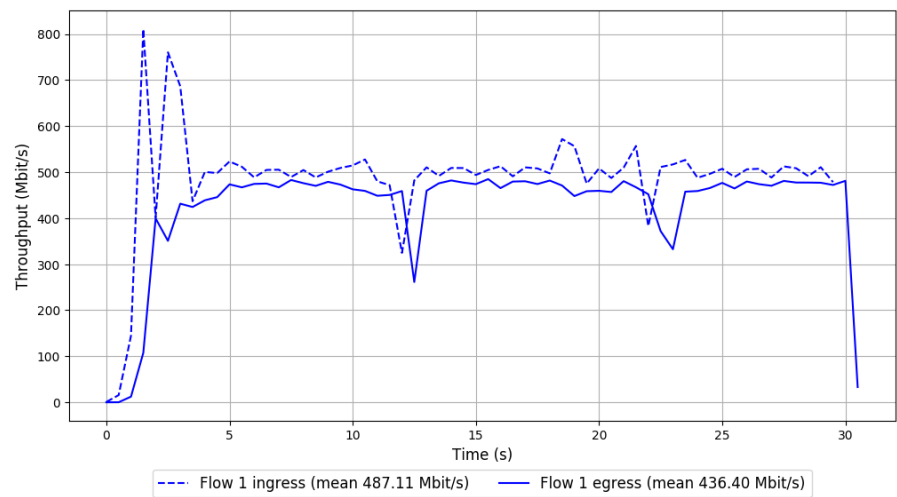
-- Flow 1:

Average throughput: 436.40 Mbit/s

95th percentile per-packet one-way delay: 60.436 ms

Loss rate: 10.40%

Run 5: Report of FillP-Sheep — Data Link

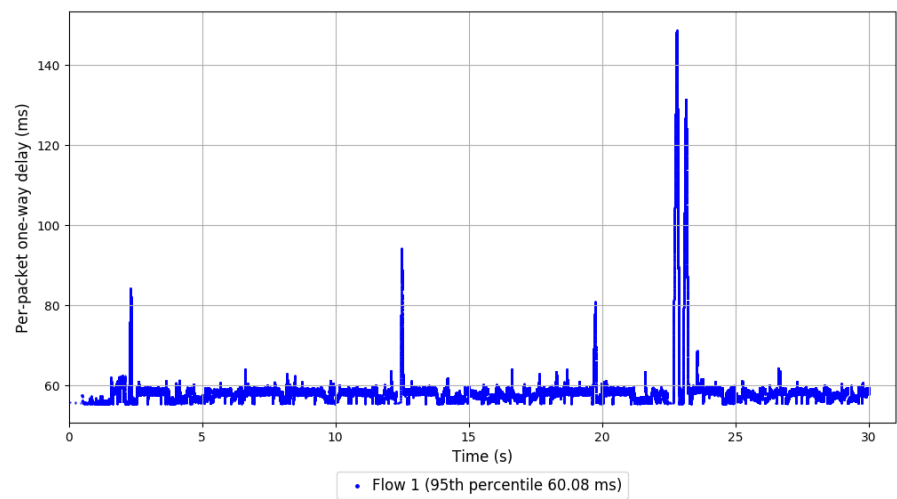
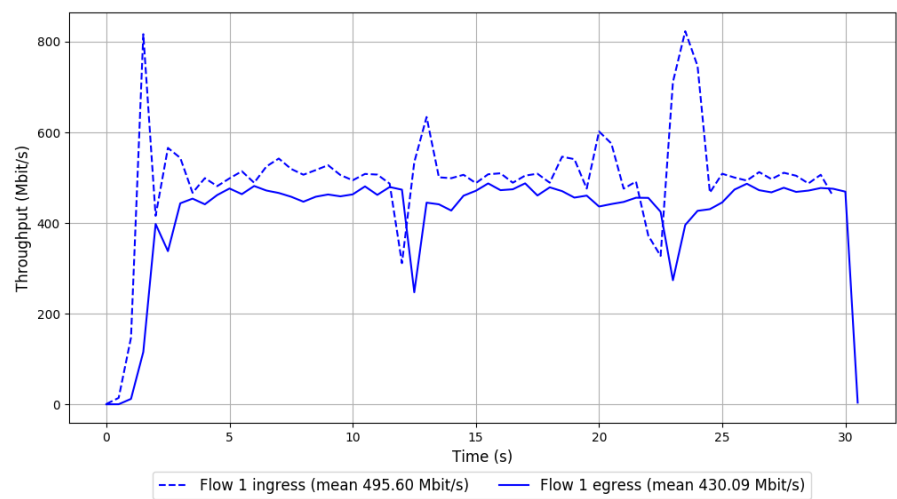


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-22 01:15:27
End at: 2018-07-22 01:15:57
Local clock offset: -1.402 ms
Remote clock offset: -38.186 ms

Below is generated by plot.py at 2018-07-22 03:54:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 430.09 Mbit/s
95th percentile per-packet one-way delay: 60.082 ms
Loss rate: 13.21%
-- Flow 1:
Average throughput: 430.09 Mbit/s
95th percentile per-packet one-way delay: 60.082 ms
Loss rate: 13.21%

Run 6: Report of FillP-Sheep — Data Link

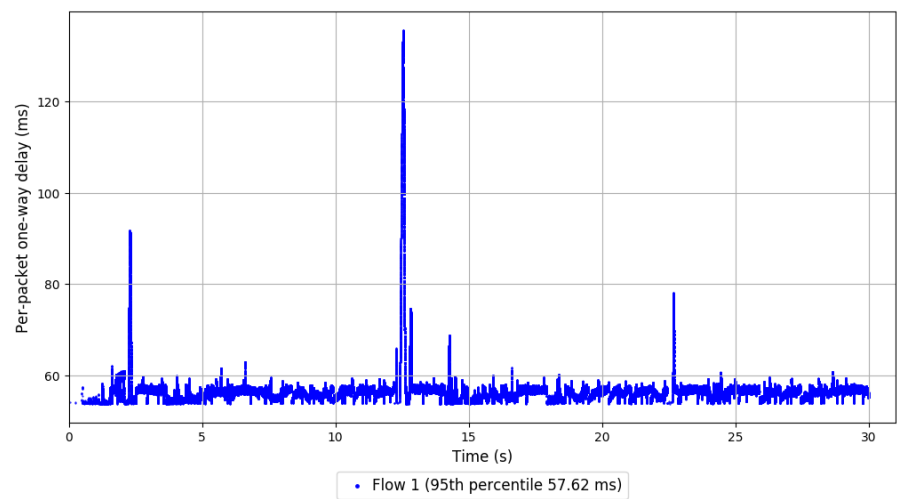
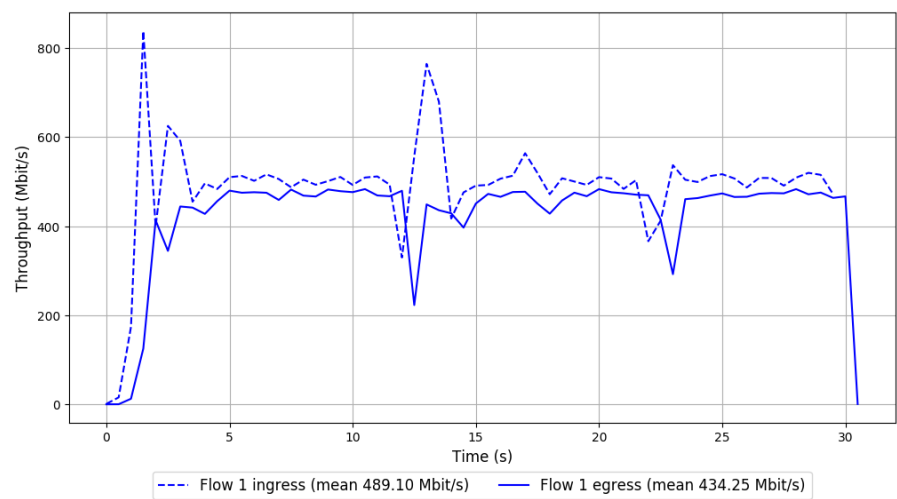


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-22 01:47:15
End at: 2018-07-22 01:47:45
Local clock offset: -0.123 ms
Remote clock offset: -40.726 ms

Below is generated by plot.py at 2018-07-22 03:58:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.25 Mbit/s
95th percentile per-packet one-way delay: 57.622 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 434.25 Mbit/s
95th percentile per-packet one-way delay: 57.622 ms
Loss rate: 11.21%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-22 02:26:12

End at: 2018-07-22 02:26:43

Local clock offset: 2.05 ms

Remote clock offset: -31.34 ms

Below is generated by plot.py at 2018-07-22 03:58:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.41 Mbit/s

95th percentile per-packet one-way delay: 66.404 ms

Loss rate: 9.35%

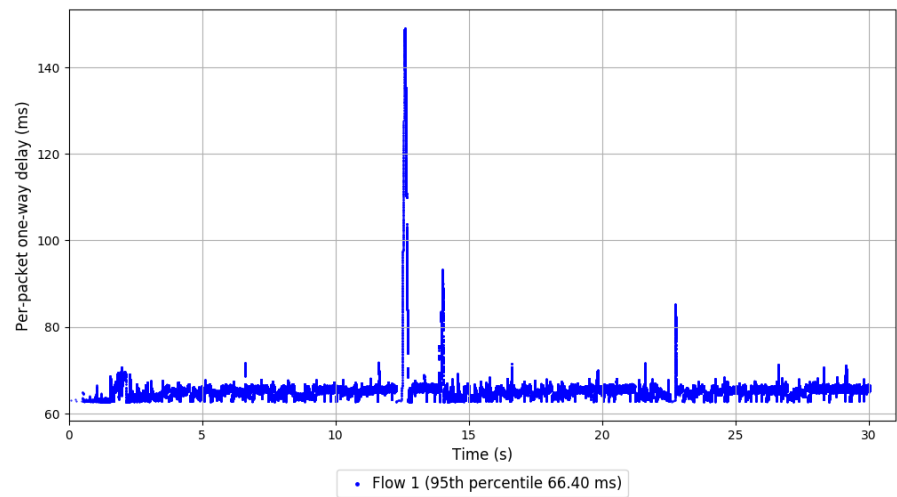
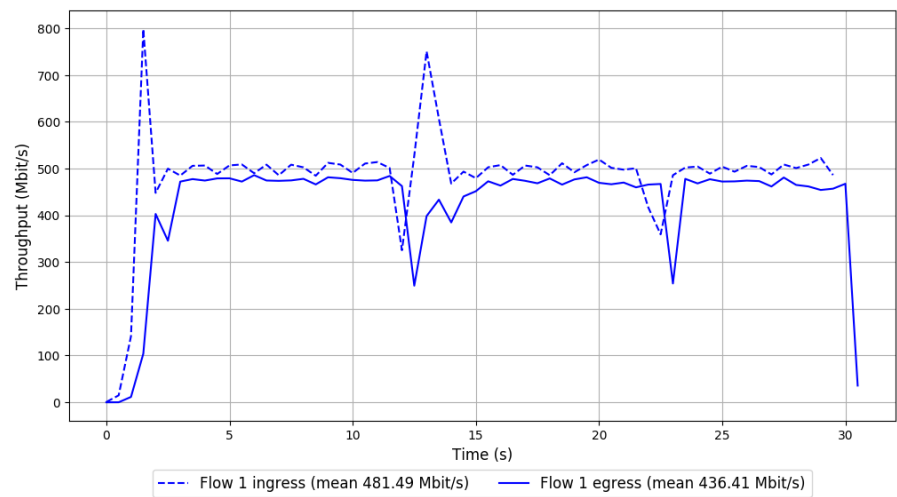
-- Flow 1:

Average throughput: 436.41 Mbit/s

95th percentile per-packet one-way delay: 66.404 ms

Loss rate: 9.35%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-22 02:59:38

End at: 2018-07-22 03:00:08

Local clock offset: -1.93 ms

Remote clock offset: -34.722 ms

Below is generated by plot.py at 2018-07-22 03:58:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.74 Mbit/s

95th percentile per-packet one-way delay: 68.744 ms

Loss rate: 13.21%

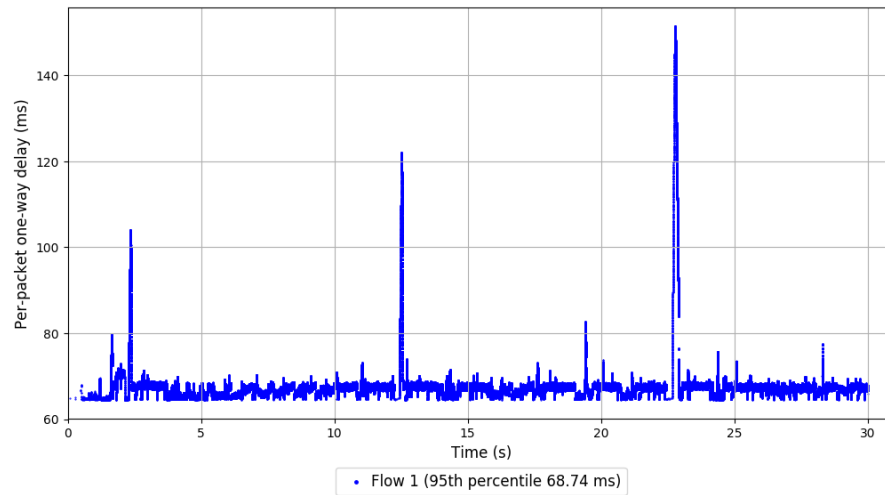
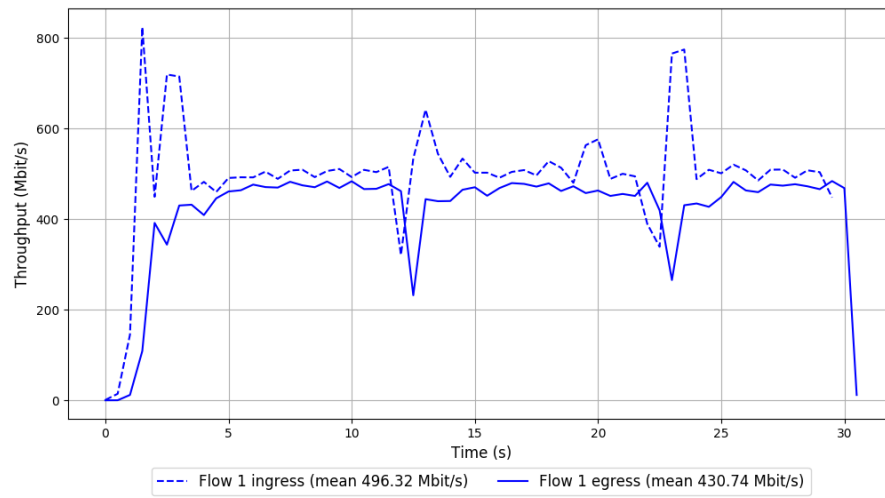
-- Flow 1:

Average throughput: 430.74 Mbit/s

95th percentile per-packet one-way delay: 68.744 ms

Loss rate: 13.21%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-22 03:21:39

End at: 2018-07-22 03:22:09

Local clock offset: 0.935 ms

Remote clock offset: -41.024 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.65 Mbit/s

95th percentile per-packet one-way delay: 56.890 ms

Loss rate: 15.05%

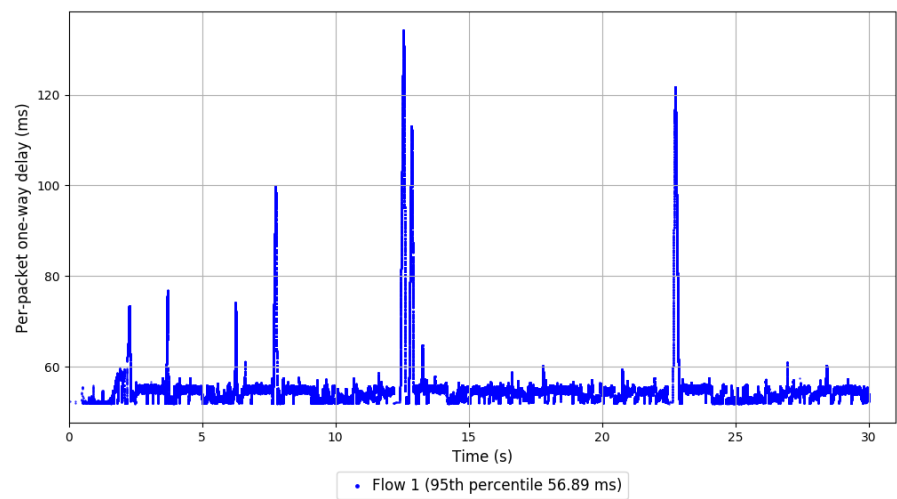
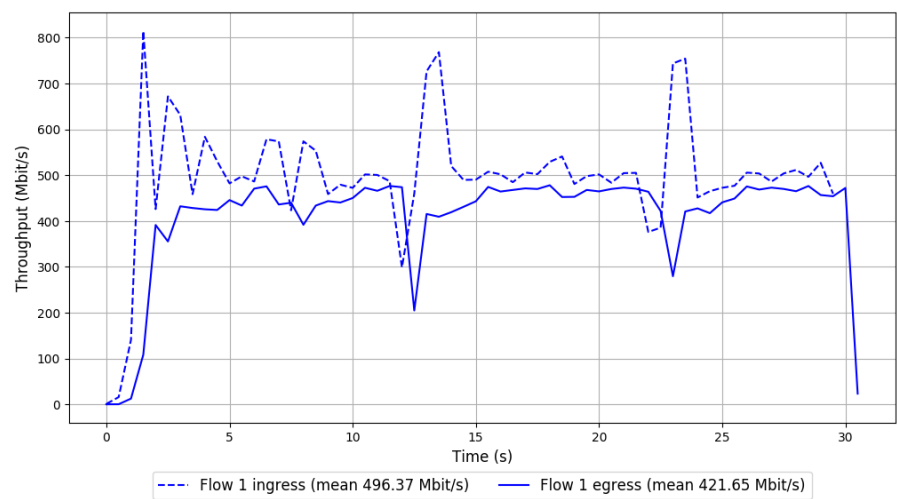
-- Flow 1:

Average throughput: 421.65 Mbit/s

95th percentile per-packet one-way delay: 56.890 ms

Loss rate: 15.05%

Run 10: Report of FillP-Sheep — Data Link

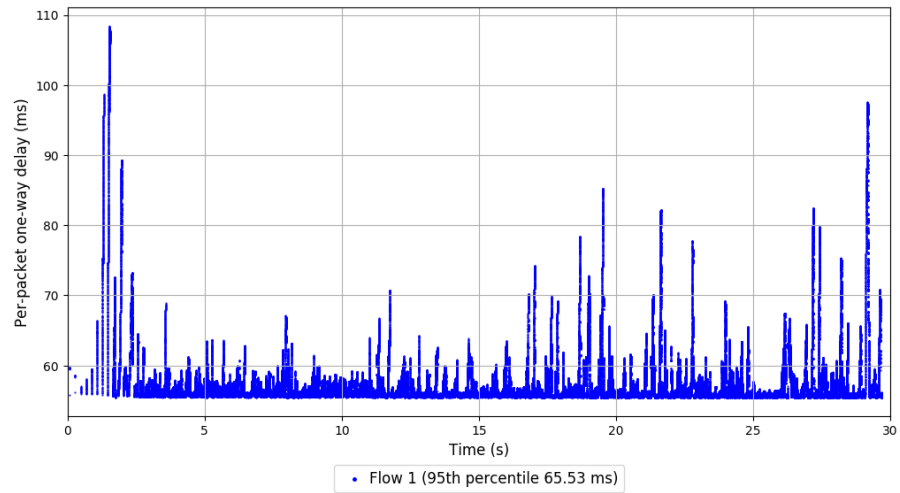
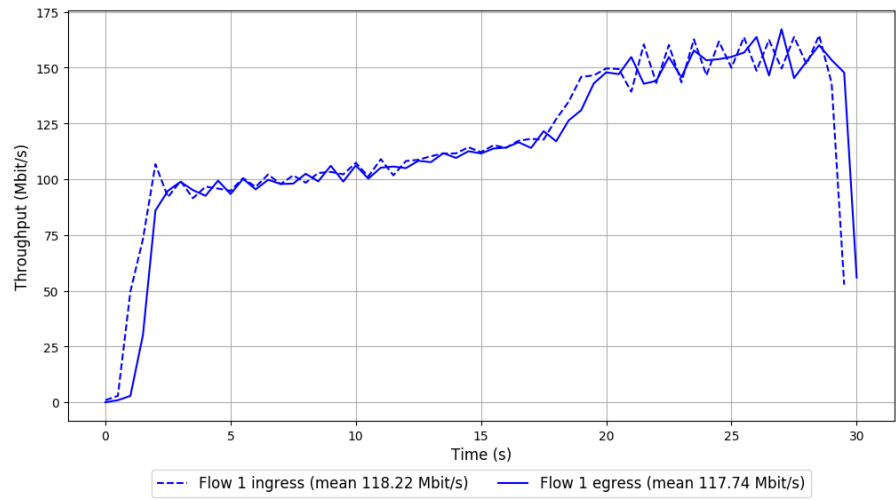


Run 1: Statistics of Indigo

Start at: 2018-07-21 22:27:57
End at: 2018-07-21 22:28:28
Local clock offset: -1.175 ms
Remote clock offset: -37.551 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.74 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 117.74 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.41%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-21 23:10:49

End at: 2018-07-21 23:11:19

Local clock offset: 0.947 ms

Remote clock offset: -35.495 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.94 Mbit/s

95th percentile per-packet one-way delay: 68.514 ms

Loss rate: 1.08%

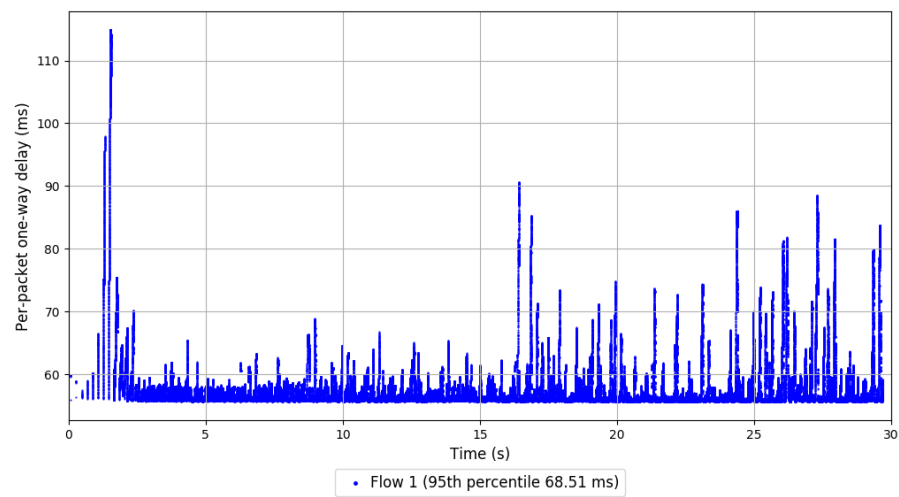
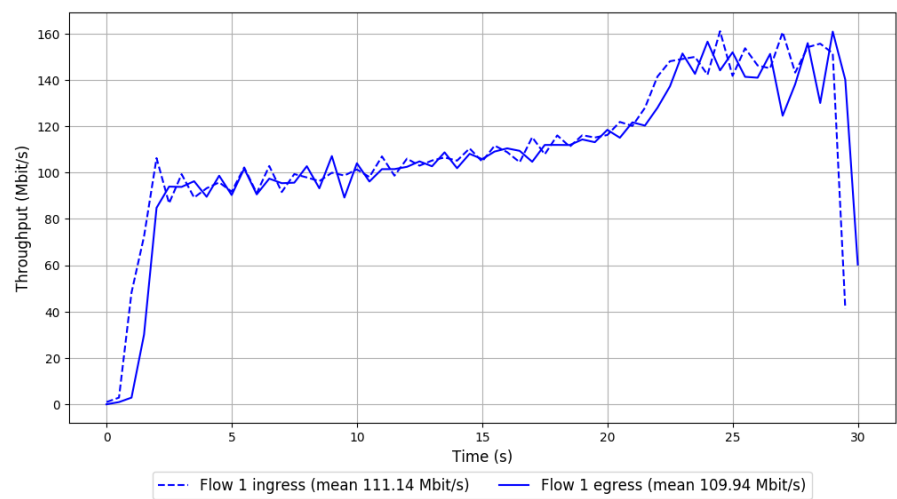
-- Flow 1:

Average throughput: 109.94 Mbit/s

95th percentile per-packet one-way delay: 68.514 ms

Loss rate: 1.08%

Run 2: Report of Indigo — Data Link

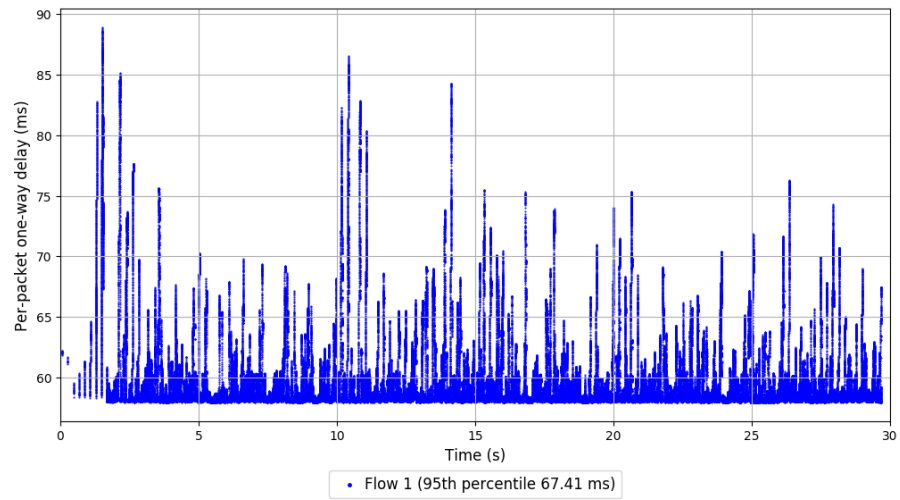
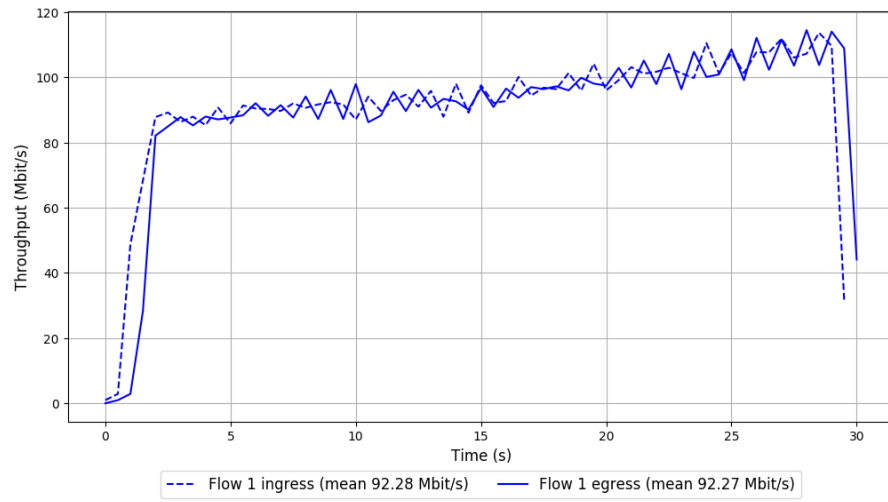


Run 3: Statistics of Indigo

Start at: 2018-07-21 23:49:48
End at: 2018-07-21 23:50:18
Local clock offset: -0.571 ms
Remote clock offset: -36.886 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 67.412 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 67.412 ms
Loss rate: 0.03%

Run 3: Report of Indigo — Data Link

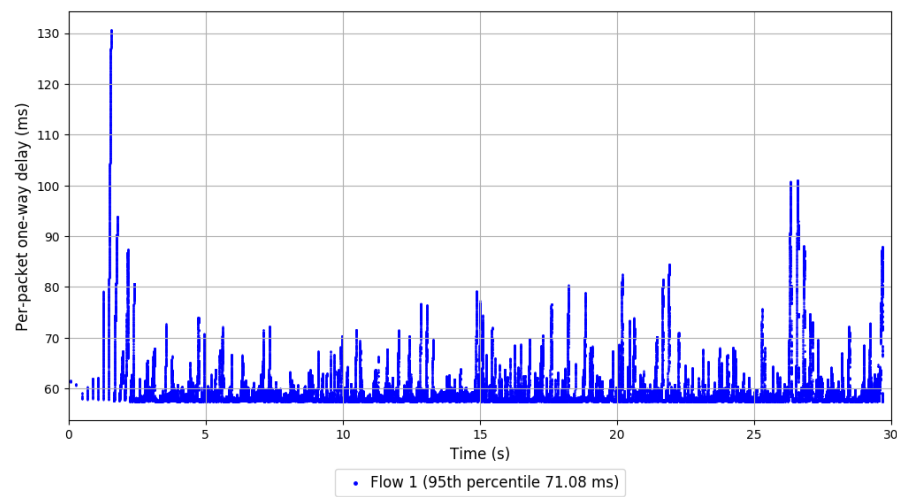
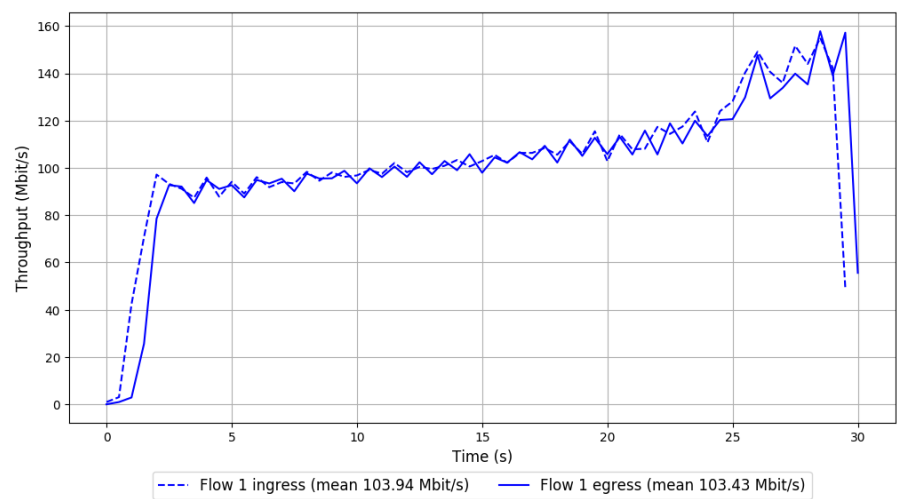


Run 4: Statistics of Indigo

Start at: 2018-07-22 00:18:02
End at: 2018-07-22 00:18:32
Local clock offset: -2.513 ms
Remote clock offset: -36.333 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.43 Mbit/s
95th percentile per-packet one-way delay: 71.083 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 103.43 Mbit/s
95th percentile per-packet one-way delay: 71.083 ms
Loss rate: 0.50%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-22 00:40:25

End at: 2018-07-22 00:40:55

Local clock offset: -1.78 ms

Remote clock offset: -31.361 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 74.963 ms

Loss rate: 0.01%

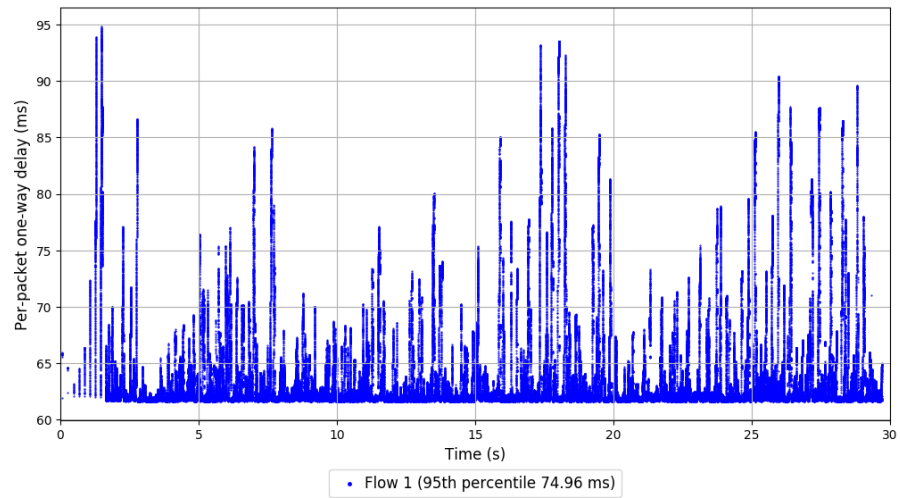
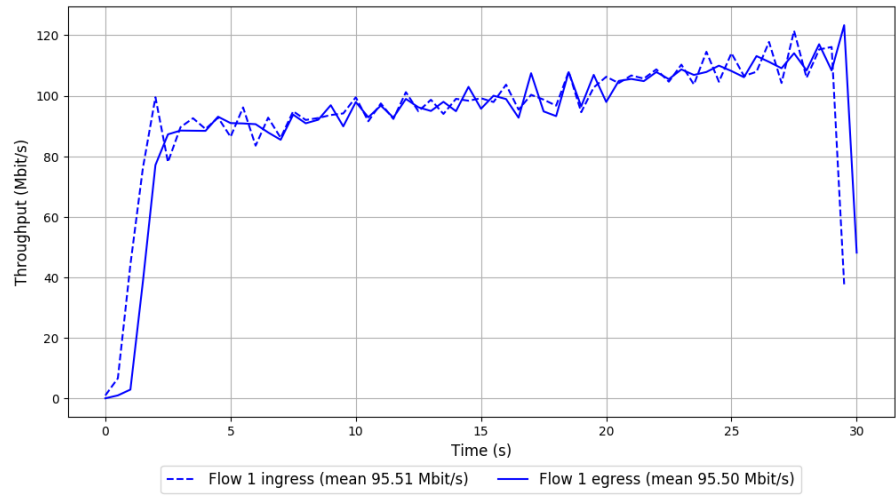
-- Flow 1:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 74.963 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-22 01:02:31

End at: 2018-07-22 01:03:01

Local clock offset: 0.066 ms

Remote clock offset: -33.947 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 70.240 ms

Loss rate: 0.10%

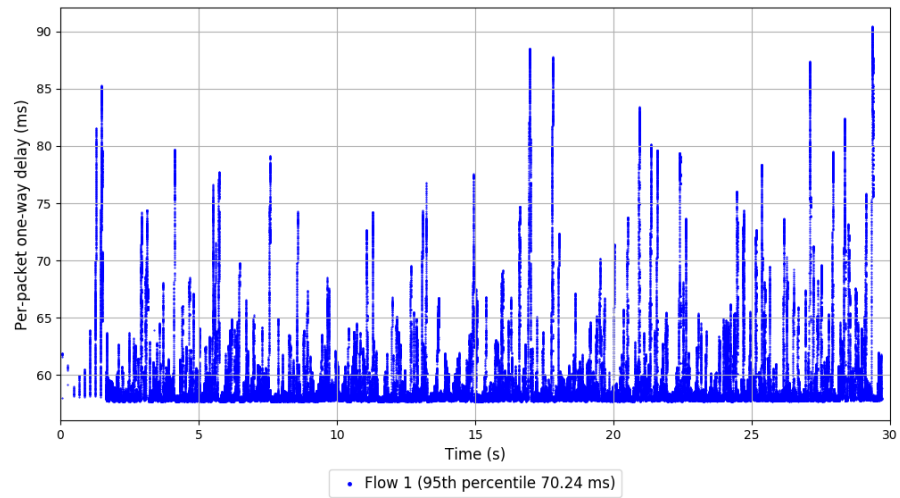
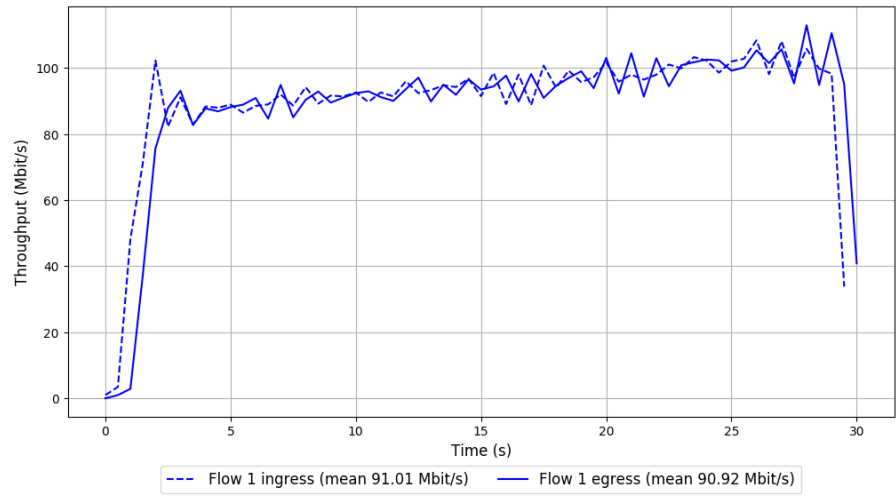
-- Flow 1:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 70.240 ms

Loss rate: 0.10%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-22 01:24:39

End at: 2018-07-22 01:25:09

Local clock offset: 0.154 ms

Remote clock offset: -33.351 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 70.576 ms

Loss rate: 0.06%

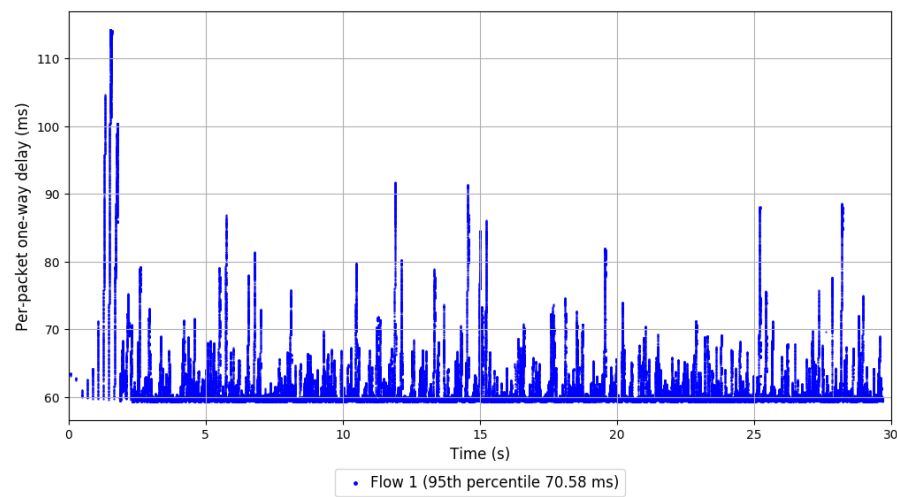
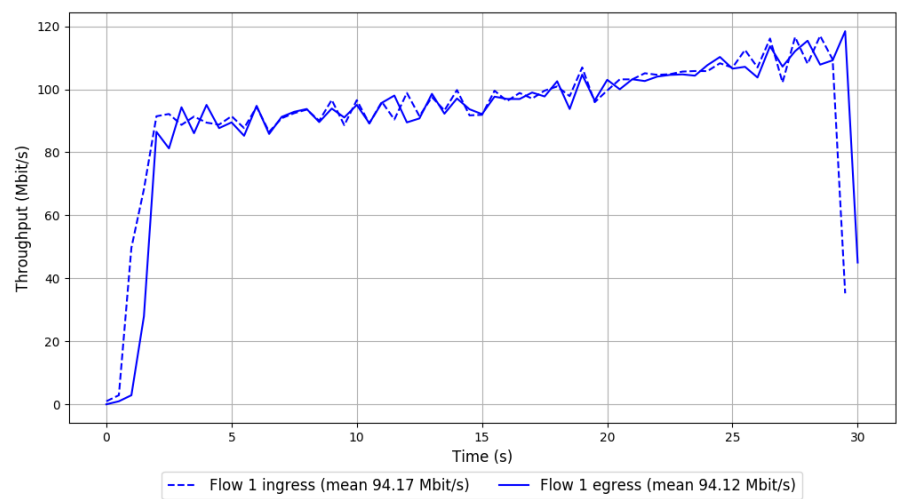
-- Flow 1:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 70.576 ms

Loss rate: 0.06%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-22 02:02:04

End at: 2018-07-22 02:02:34

Local clock offset: 1.571 ms

Remote clock offset: -35.86 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 72.347 ms

Loss rate: 0.04%

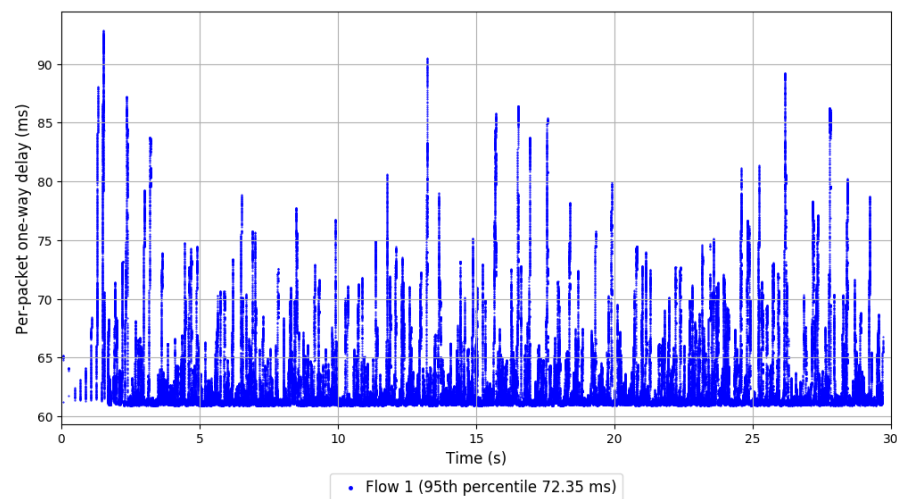
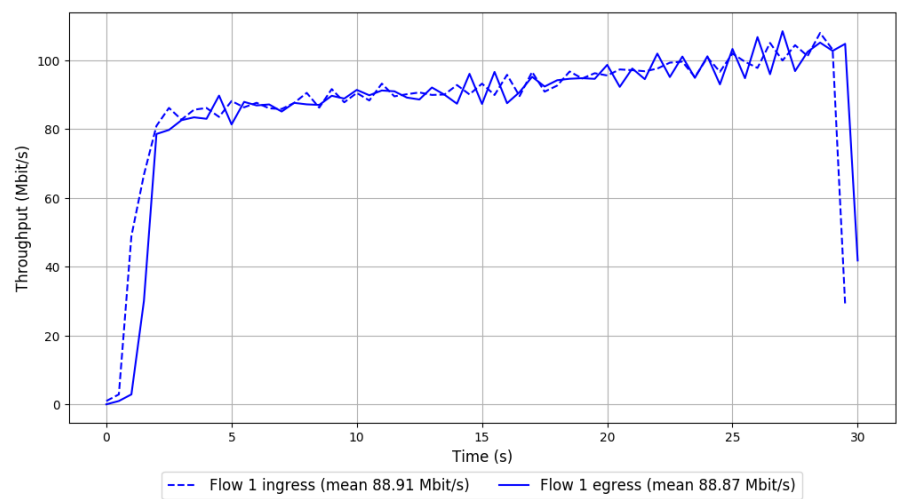
-- Flow 1:

Average throughput: 88.87 Mbit/s

95th percentile per-packet one-way delay: 72.347 ms

Loss rate: 0.04%

Run 8: Report of Indigo — Data Link

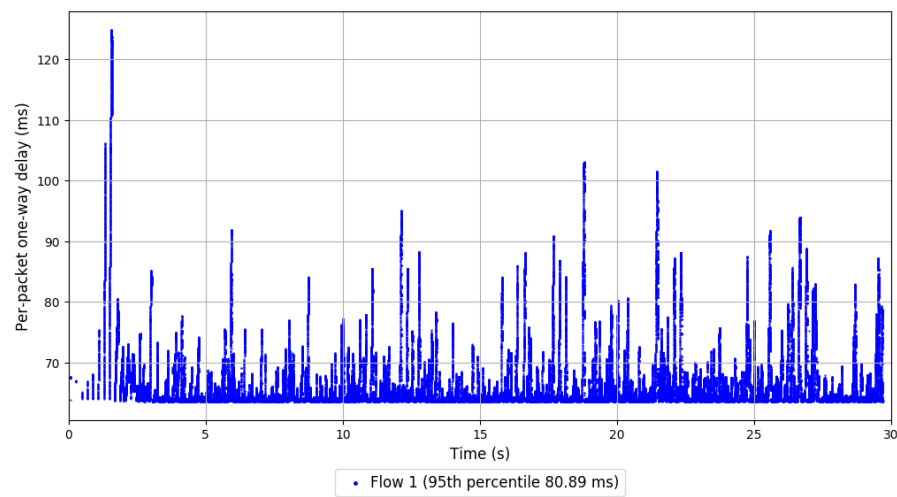
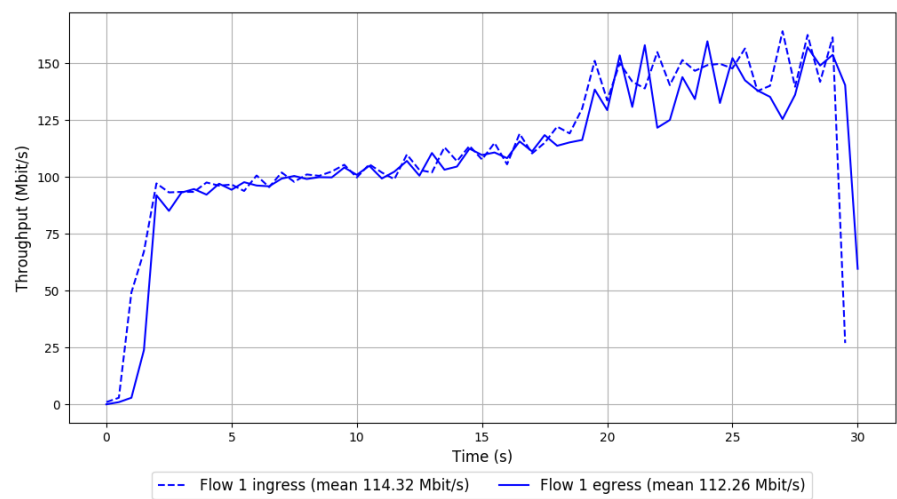


Run 9: Statistics of Indigo

Start at: 2018-07-22 02:35:25
End at: 2018-07-22 02:35:55
Local clock offset: 2.835 ms
Remote clock offset: -31.538 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.26 Mbit/s
95th percentile per-packet one-way delay: 80.895 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 112.26 Mbit/s
95th percentile per-packet one-way delay: 80.895 ms
Loss rate: 1.81%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-22 03:08:46

End at: 2018-07-22 03:09:16

Local clock offset: -2.414 ms

Remote clock offset: -36.263 ms

Below is generated by plot.py at 2018-07-22 03:58:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 80.820 ms

Loss rate: 0.22%

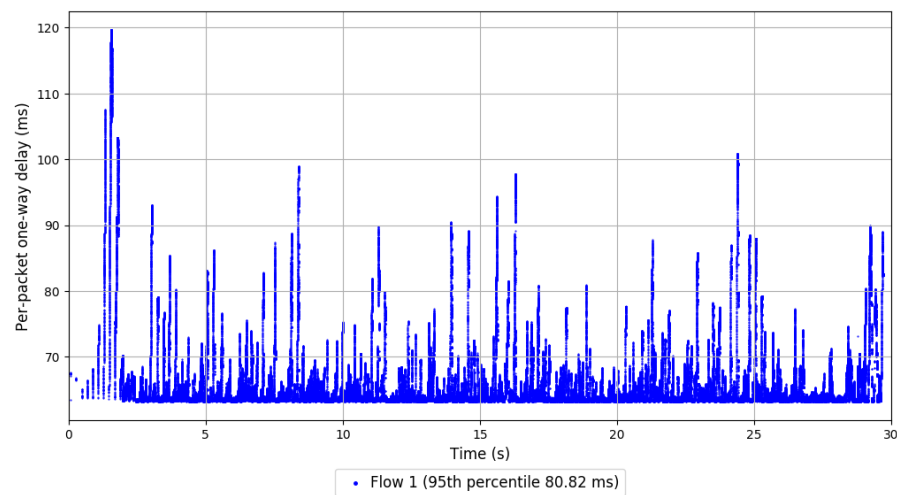
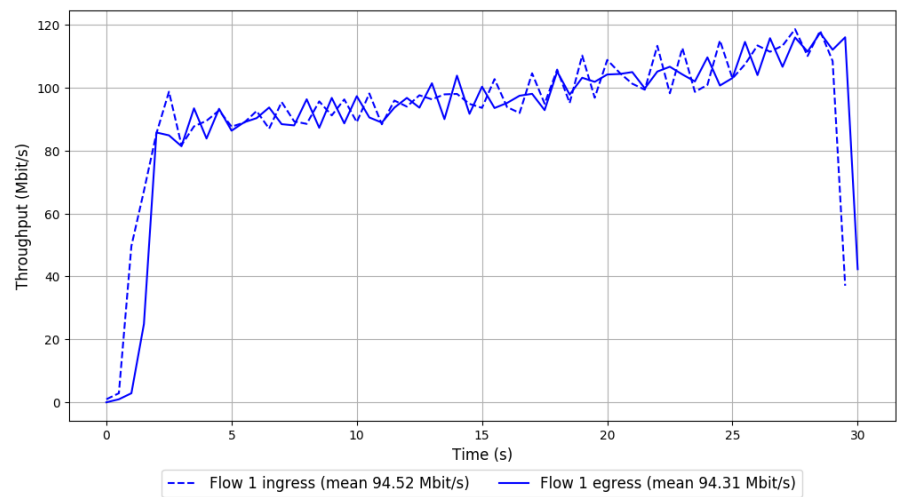
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 80.820 ms

Loss rate: 0.22%

Run 10: Report of Indigo — Data Link

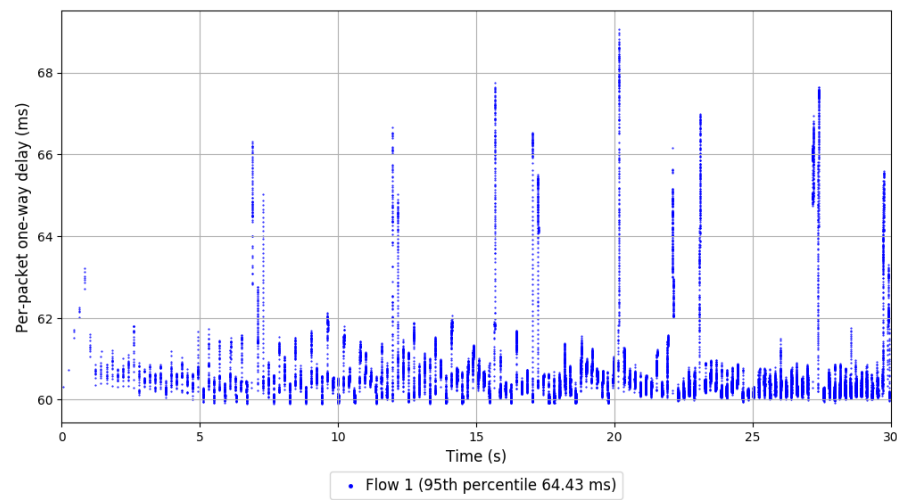
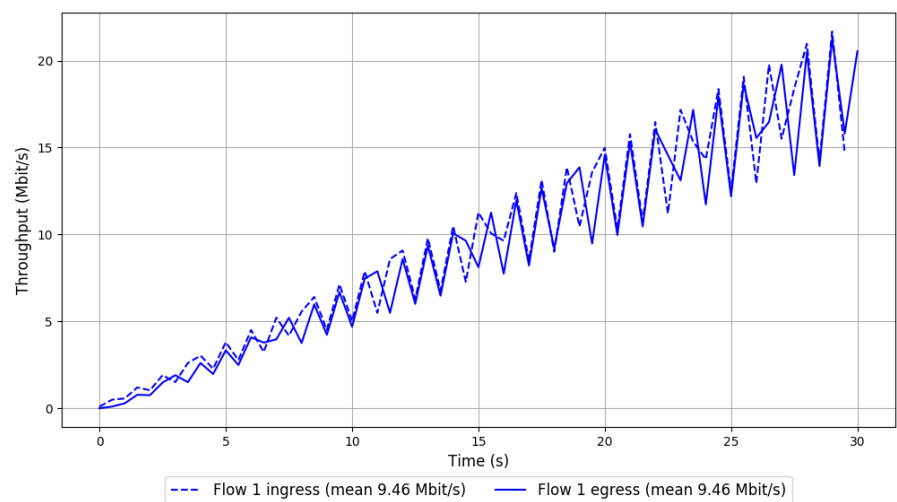


Run 1: Statistics of LEDBAT

Start at: 2018-07-21 22:54:49
End at: 2018-07-21 22:55:19
Local clock offset: 1.208 ms
Remote clock offset: -33.435 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 64.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 64.434 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

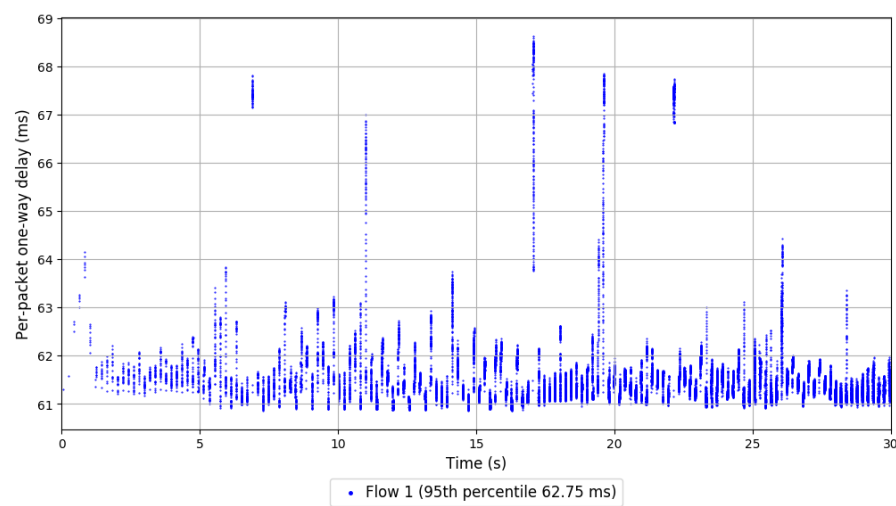
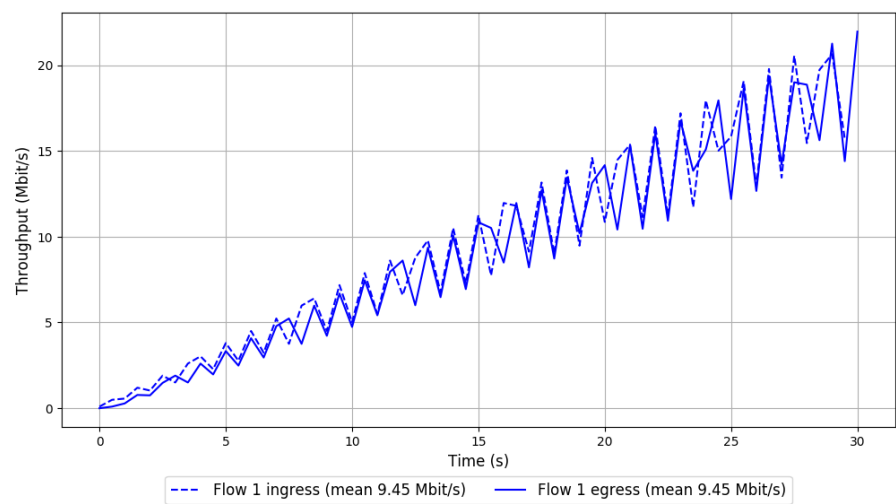


Run 2: Statistics of LEDBAT

Start at: 2018-07-21 23:33:59
End at: 2018-07-21 23:34:29
Local clock offset: 2.079 ms
Remote clock offset: -31.546 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 62.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 62.751 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

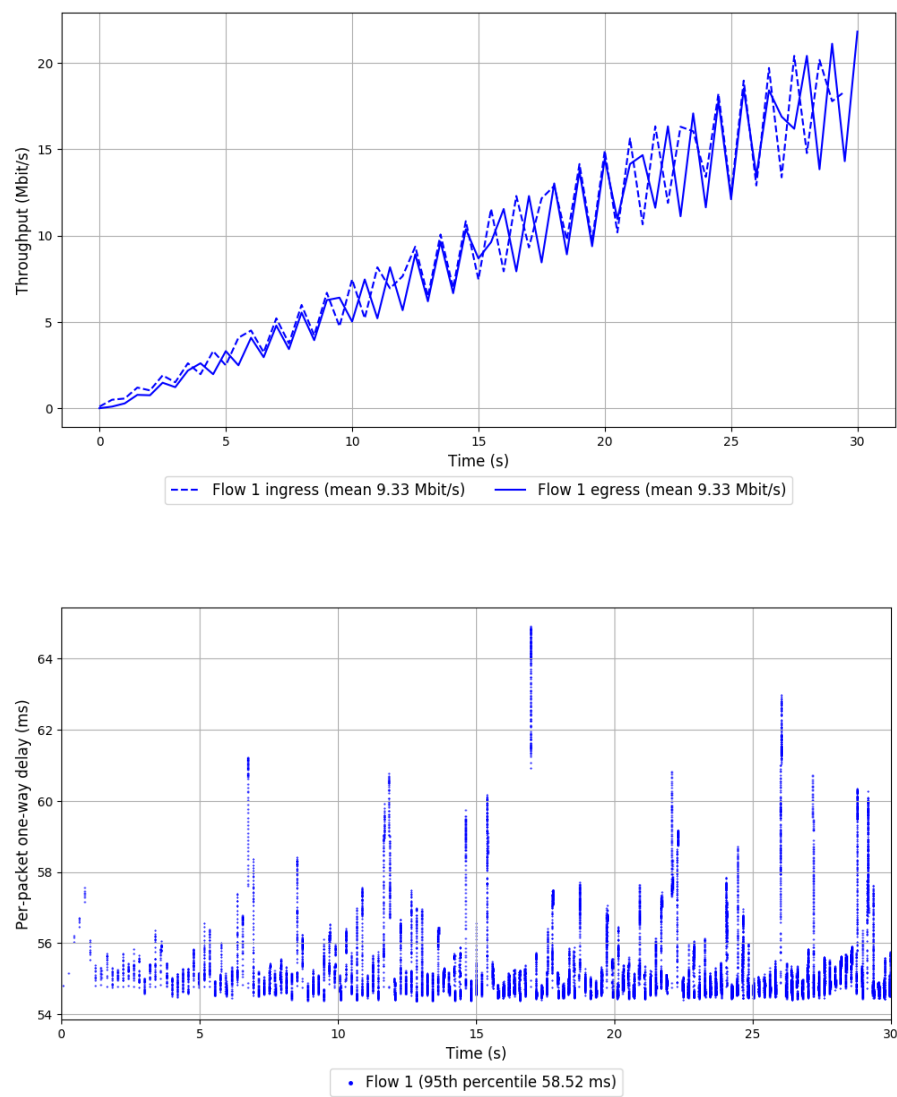


Run 3: Statistics of LEDBAT

Start at: 2018-07-22 00:01:34
End at: 2018-07-22 00:02:04
Local clock offset: 1.12 ms
Remote clock offset: -38.189 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 58.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 58.520 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

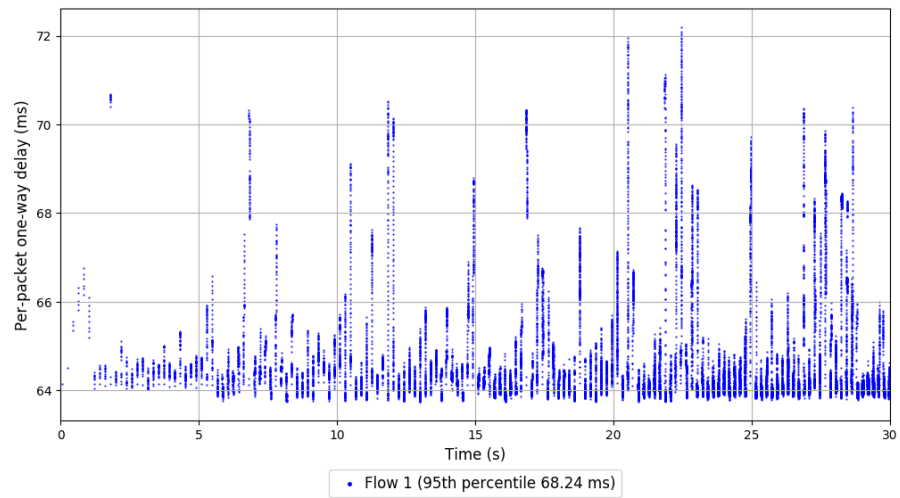
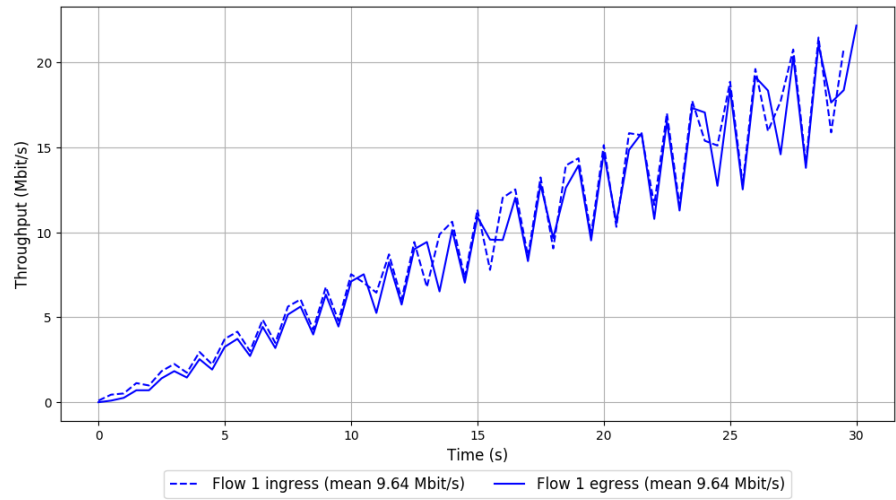


Run 4: Statistics of LEDBAT

Start at: 2018-07-22 00:30:03
End at: 2018-07-22 00:30:33
Local clock offset: 1.012 ms
Remote clock offset: -26.498 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 68.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 68.244 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

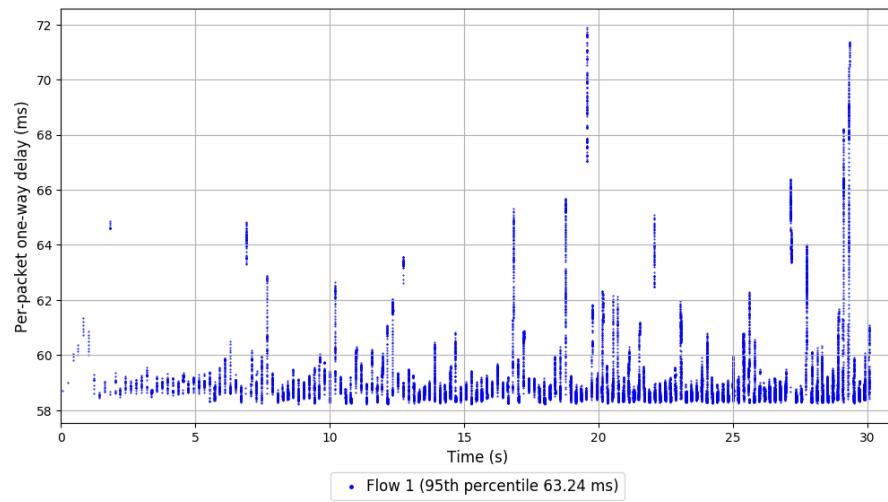
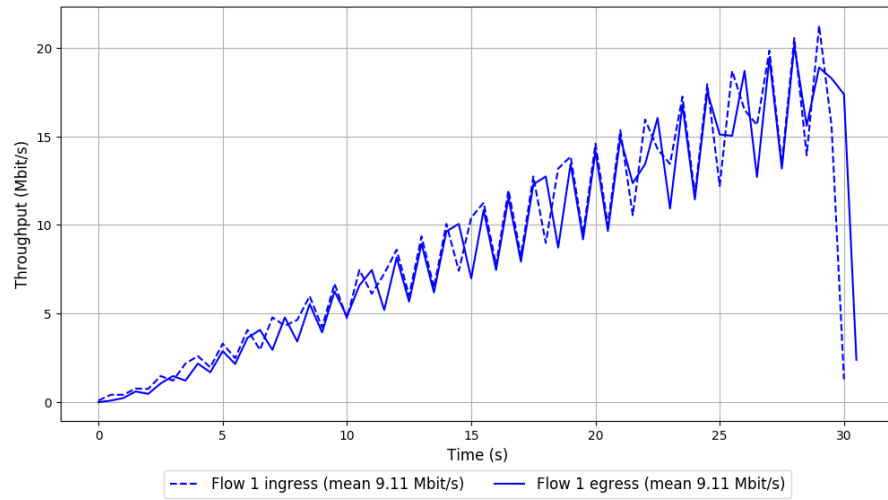


Run 5: Statistics of LEDBAT

Start at: 2018-07-22 00:52:11
End at: 2018-07-22 00:52:41
Local clock offset: -0.887 ms
Remote clock offset: -34.456 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link

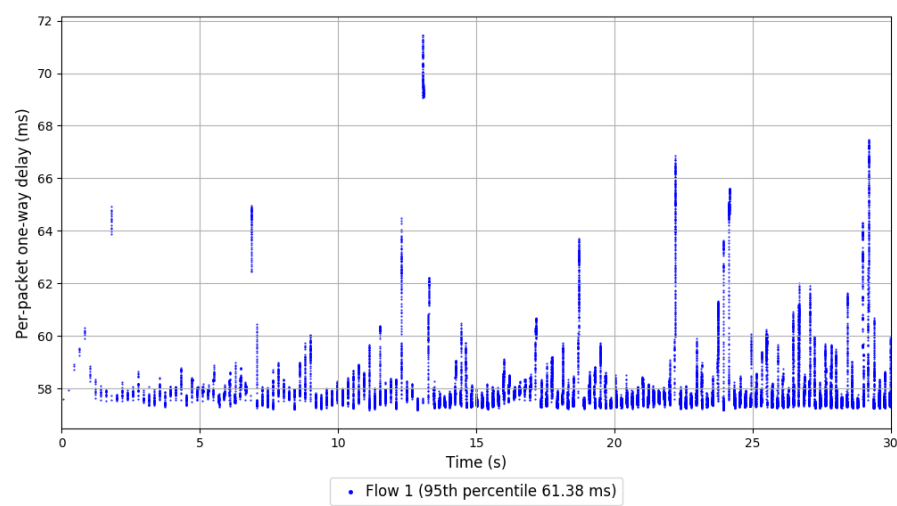
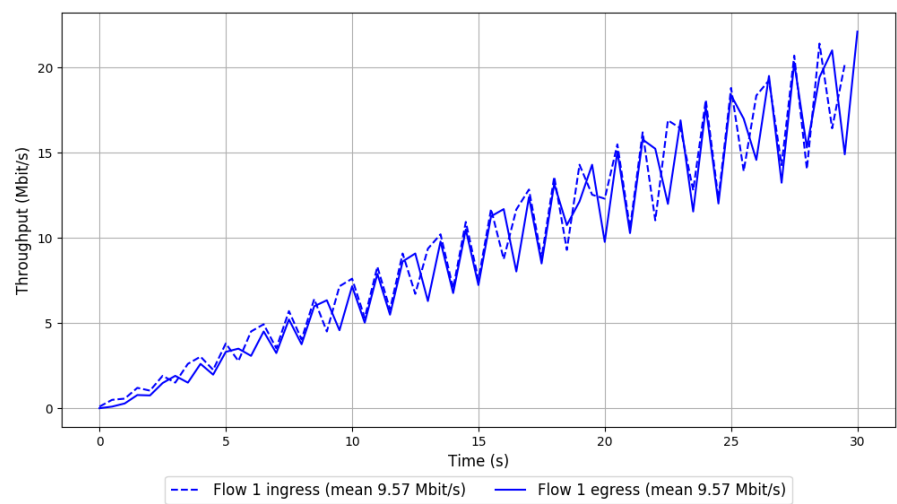


Run 6: Statistics of LEDBAT

Start at: 2018-07-22 01:14:17
End at: 2018-07-22 01:14:47
Local clock offset: 1.213 ms
Remote clock offset: -33.813 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 61.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 61.384 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

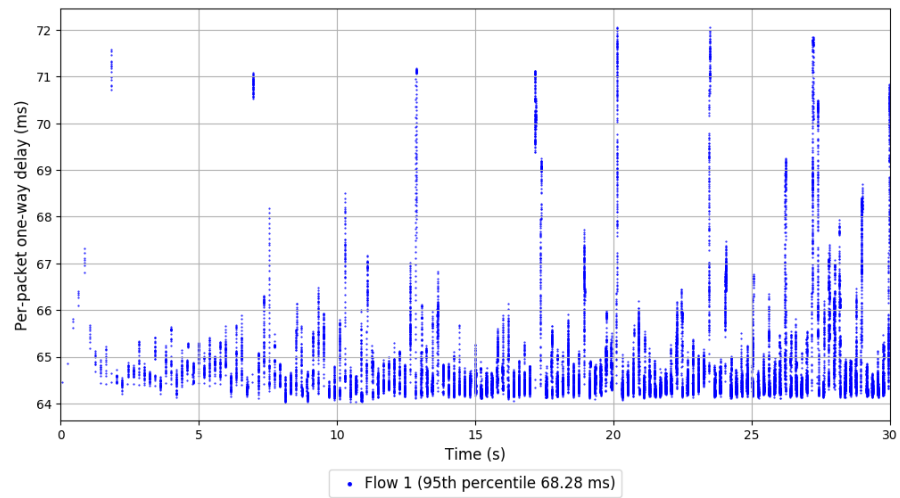
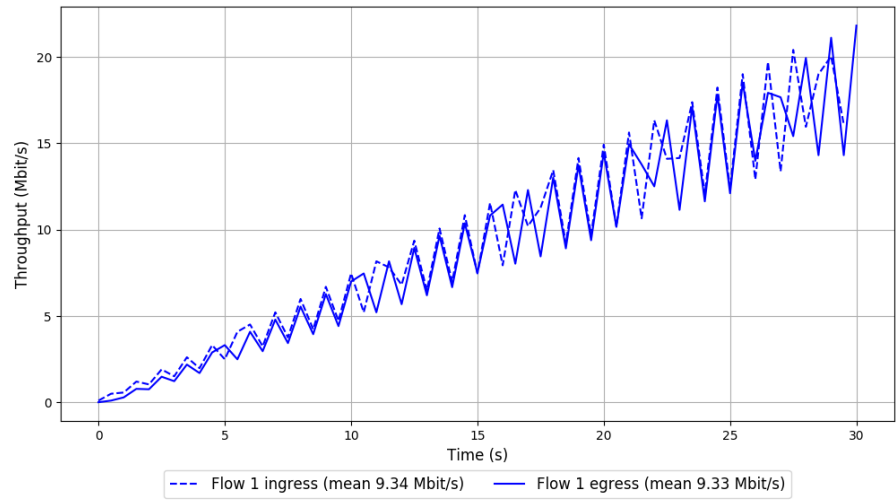


Run 7: Statistics of LEDBAT

Start at: 2018-07-22 01:46:00
End at: 2018-07-22 01:46:30
Local clock offset: -1.85 ms
Remote clock offset: -34.59 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 68.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 68.282 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

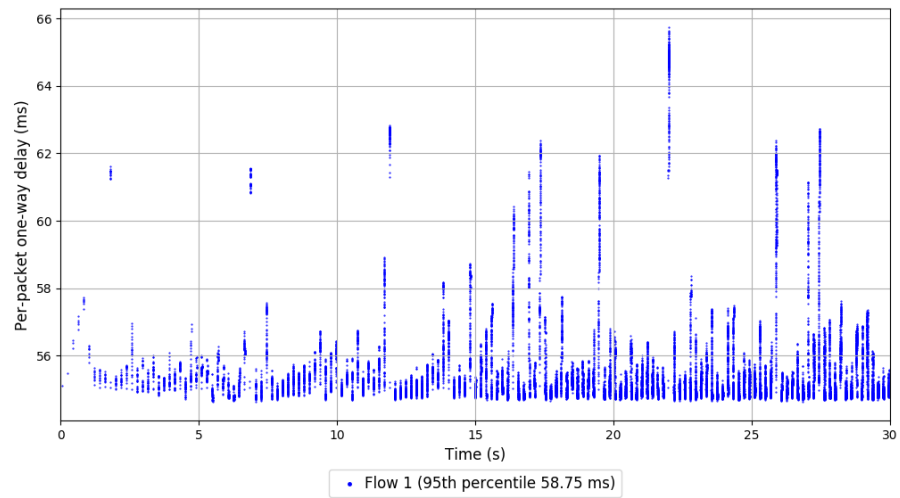
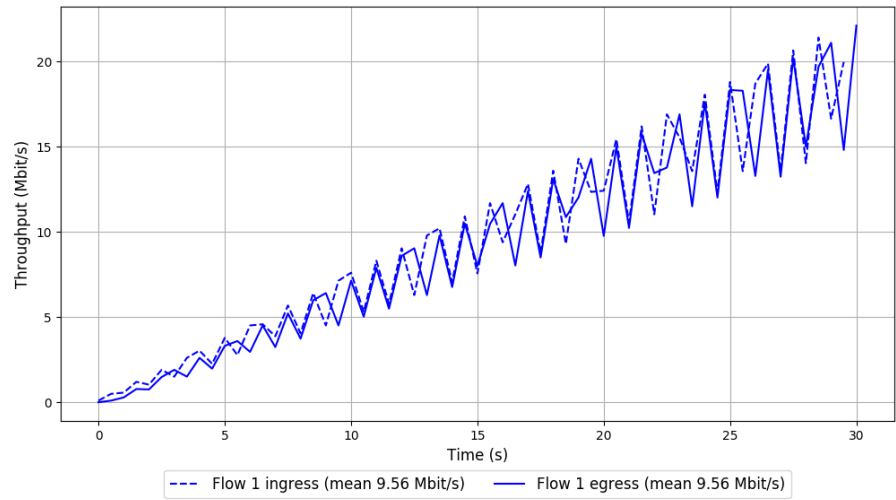


Run 8: Statistics of LEDBAT

Start at: 2018-07-22 02:25:02
End at: 2018-07-22 02:25:32
Local clock offset: -1.143 ms
Remote clock offset: -42.06 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 58.749 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 58.749 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

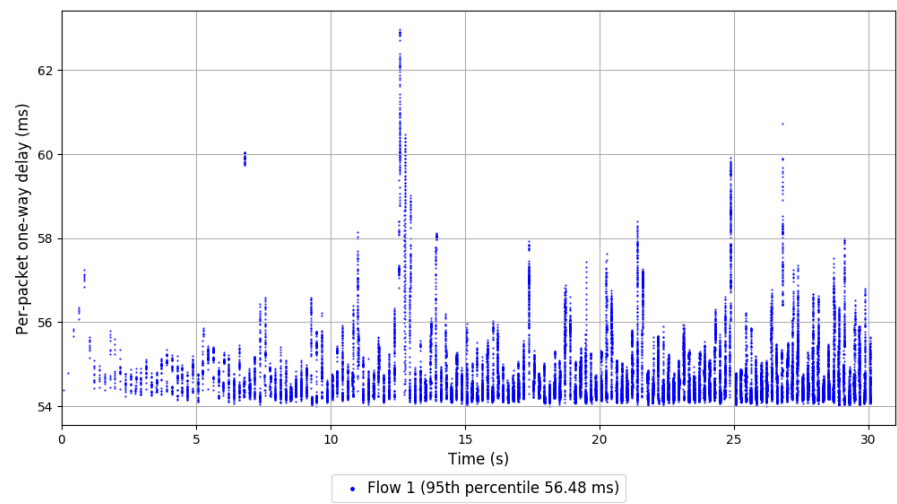
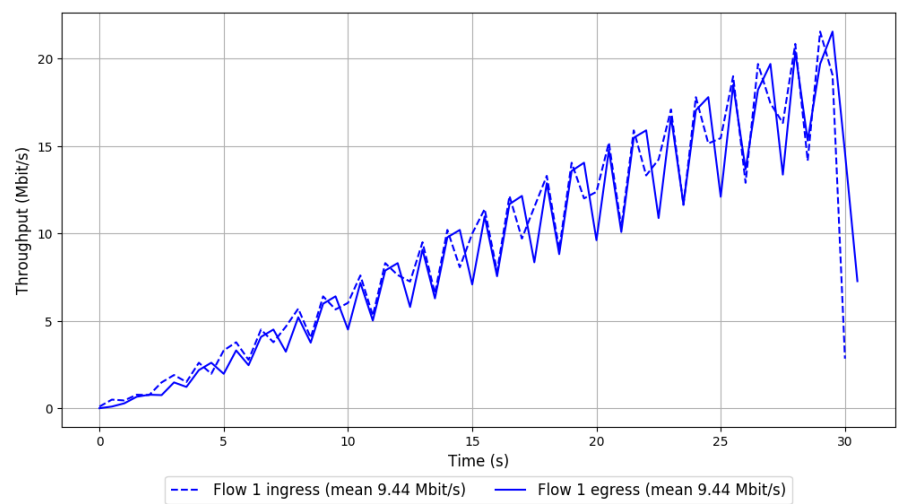


Run 9: Statistics of LEDBAT

Start at: 2018-07-22 02:58:27
End at: 2018-07-22 02:58:58
Local clock offset: 0.86 ms
Remote clock offset: -39.554 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 56.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 56.481 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

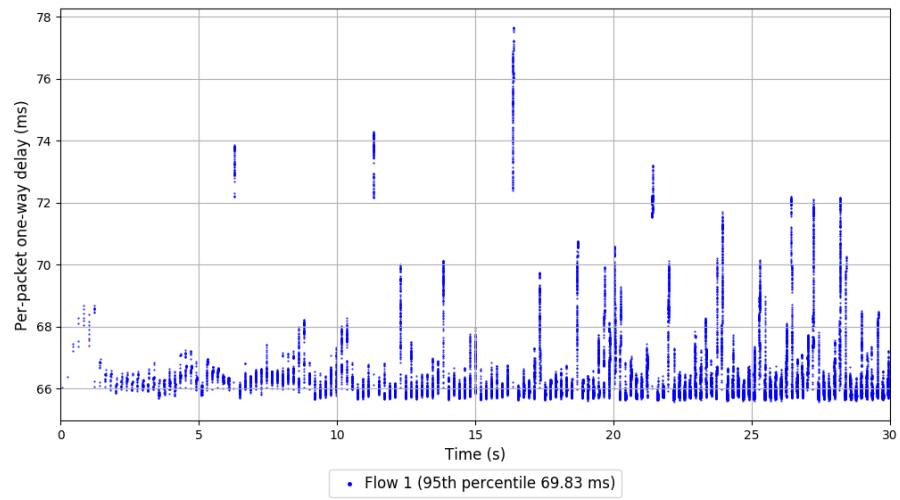
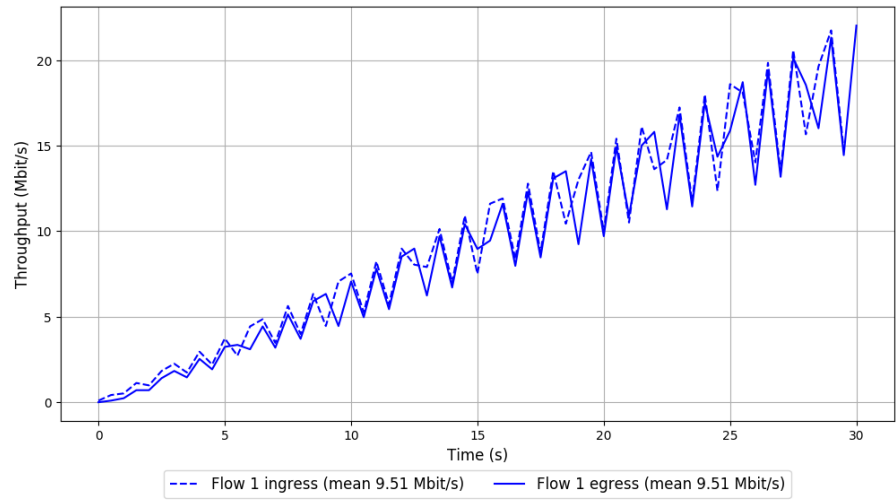


Run 10: Statistics of LEDBAT

Start at: 2018-07-22 03:20:28
End at: 2018-07-22 03:20:58
Local clock offset: -0.979 ms
Remote clock offset: -28.937 ms

Below is generated by plot.py at 2018-07-22 03:58:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 69.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 69.827 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

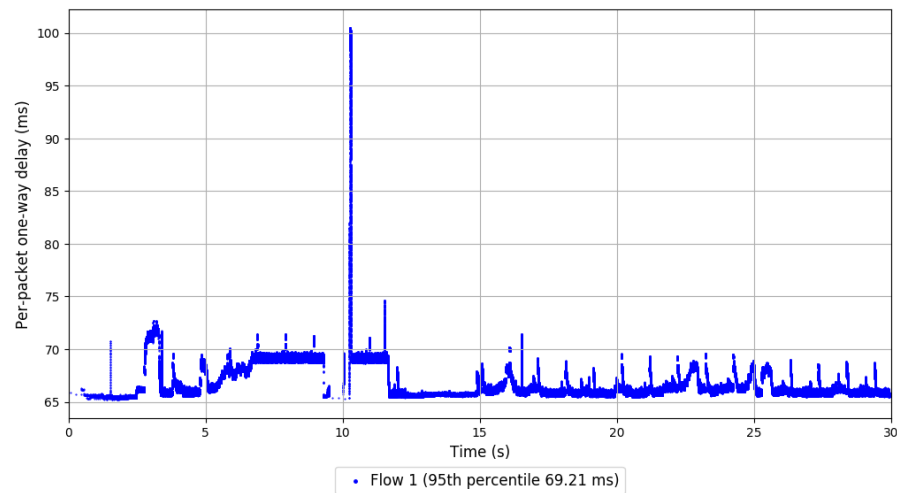
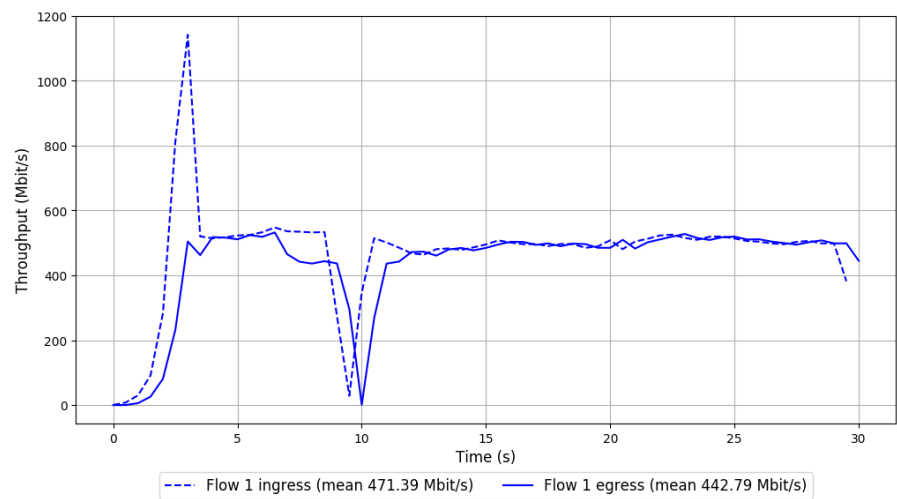


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-21 22:41:29
End at: 2018-07-21 22:41:59
Local clock offset: 1.885 ms
Remote clock offset: -27.257 ms

# Below is generated by plot.py at 2018-07-22 04:01:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 442.79 Mbit/s
95th percentile per-packet one-way delay: 69.214 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 442.79 Mbit/s
95th percentile per-packet one-way delay: 69.214 ms
Loss rate: 6.08%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-21 23:24:25

End at: 2018-07-21 23:24:55

Local clock offset: 0.612 ms

Remote clock offset: -32.372 ms

Below is generated by plot.py at 2018-07-22 04:01:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.95 Mbit/s

95th percentile per-packet one-way delay: 64.302 ms

Loss rate: 3.56%

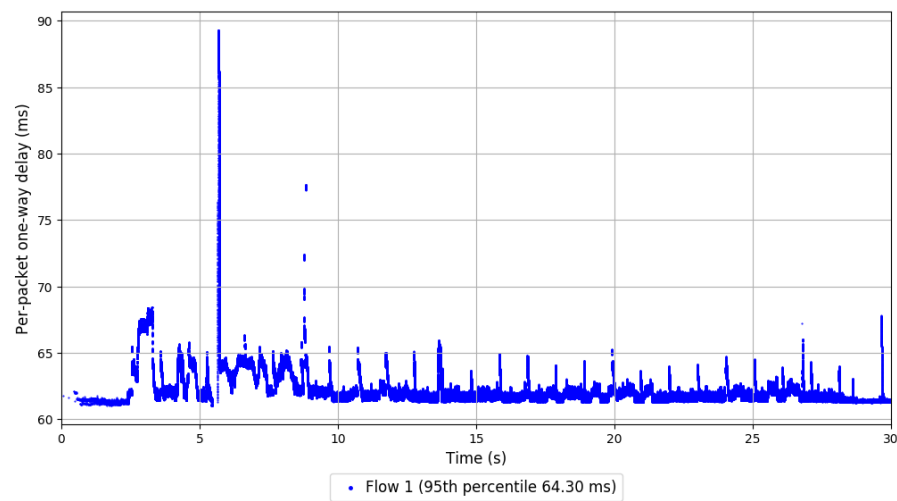
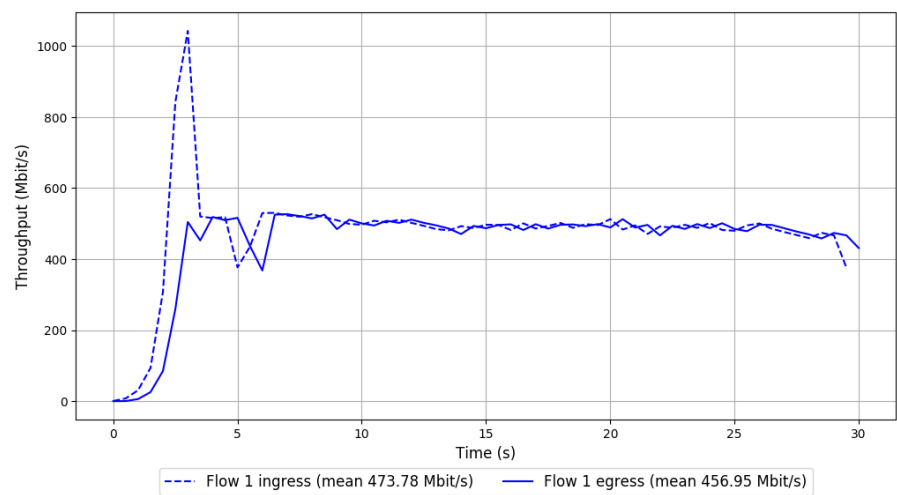
-- Flow 1:

Average throughput: 456.95 Mbit/s

95th percentile per-packet one-way delay: 64.302 ms

Loss rate: 3.56%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-21 23:57:42

End at: 2018-07-21 23:58:12

Local clock offset: 1.355 ms

Remote clock offset: -34.836 ms

Below is generated by plot.py at 2018-07-22 04:01:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.34 Mbit/s

95th percentile per-packet one-way delay: 58.091 ms

Loss rate: 3.54%

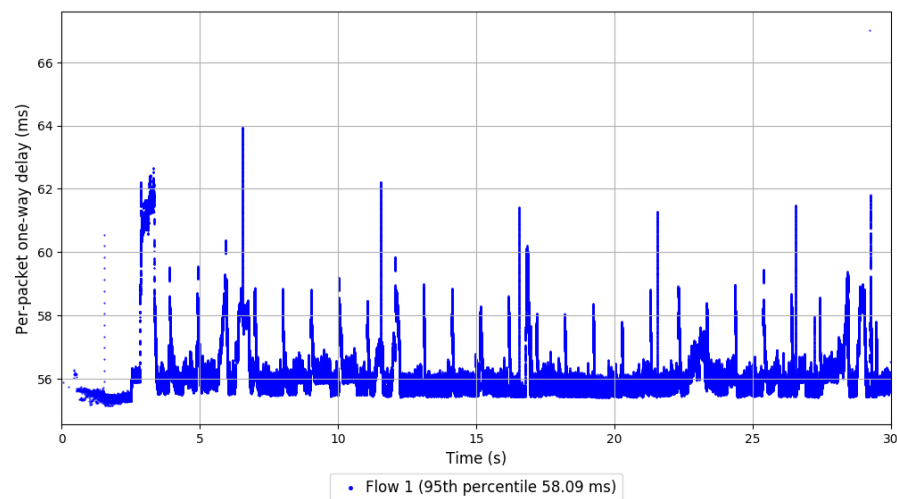
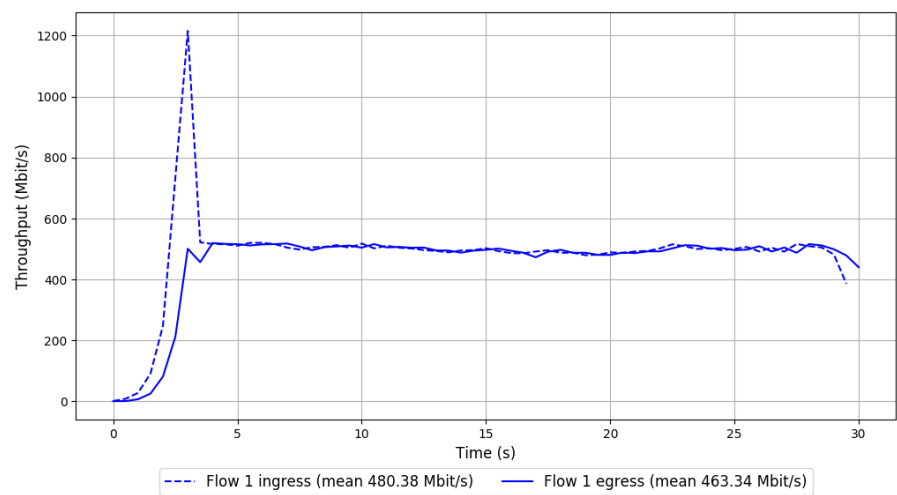
-- Flow 1:

Average throughput: 463.34 Mbit/s

95th percentile per-packet one-way delay: 58.091 ms

Loss rate: 3.54%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-22 00:26:12

End at: 2018-07-22 00:26:42

Local clock offset: 0.051 ms

Remote clock offset: -27.415 ms

Below is generated by plot.py at 2018-07-22 04:02:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.17 Mbit/s

95th percentile per-packet one-way delay: 66.768 ms

Loss rate: 3.99%

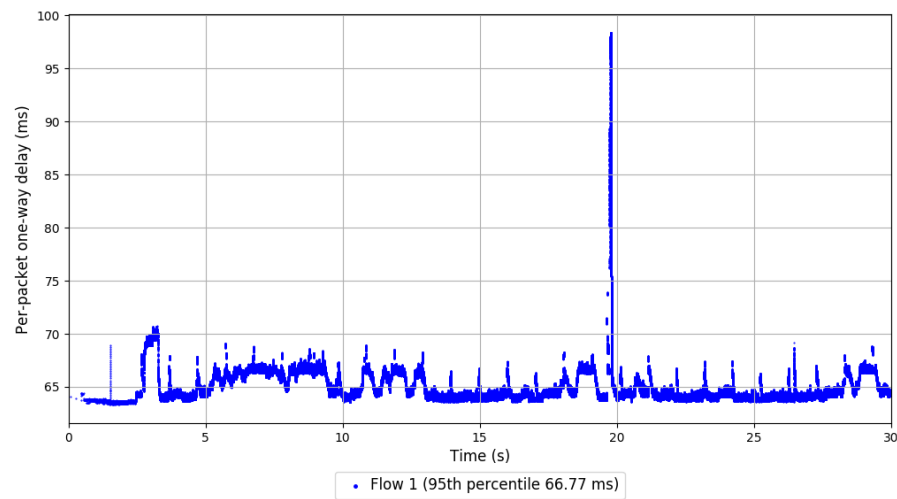
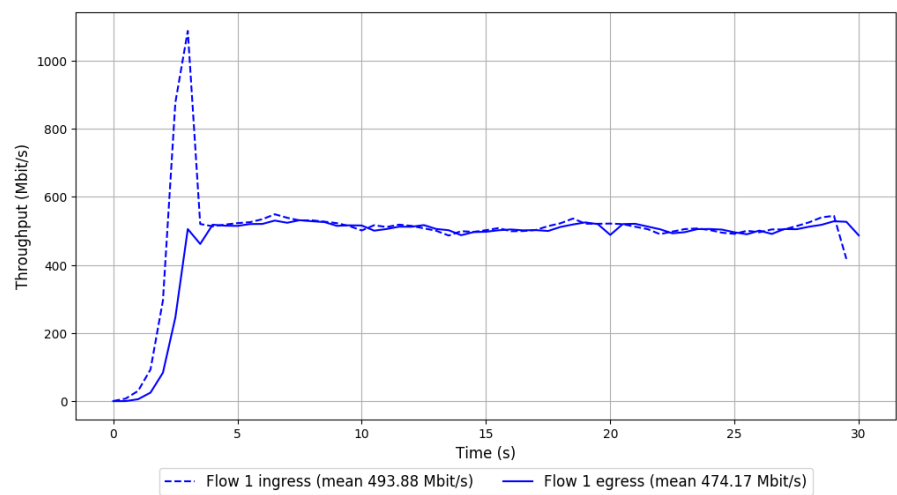
-- Flow 1:

Average throughput: 474.17 Mbit/s

95th percentile per-packet one-way delay: 66.768 ms

Loss rate: 3.99%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-22 00:48:19

End at: 2018-07-22 00:48:49

Local clock offset: 0.498 ms

Remote clock offset: -24.822 ms

Below is generated by plot.py at 2018-07-22 04:03:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.34 Mbit/s

95th percentile per-packet one-way delay: 71.875 ms

Loss rate: 3.74%

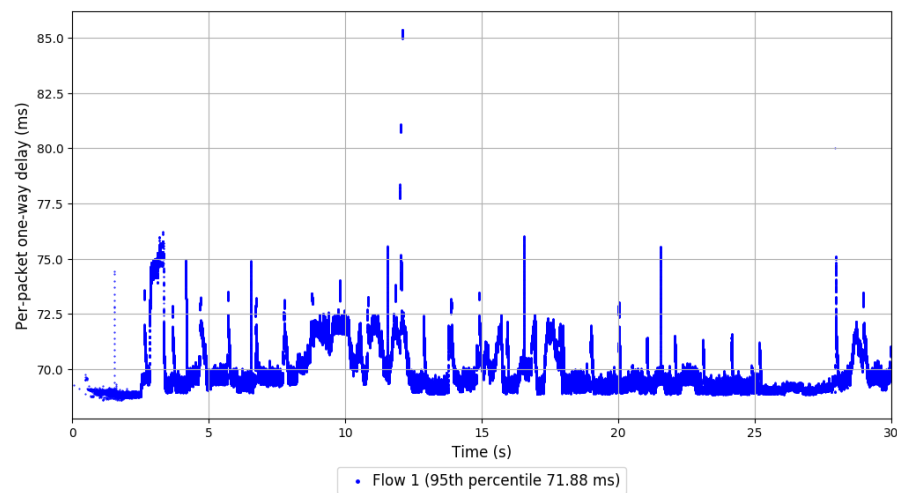
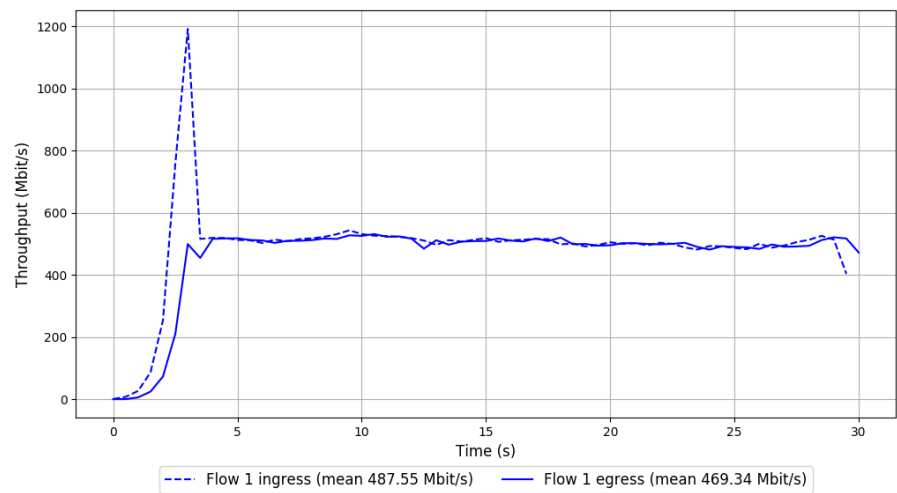
-- Flow 1:

Average throughput: 469.34 Mbit/s

95th percentile per-packet one-way delay: 71.875 ms

Loss rate: 3.74%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-22 01:10:25

End at: 2018-07-22 01:10:55

Local clock offset: -0.488 ms

Remote clock offset: -34.443 ms

Below is generated by plot.py at 2018-07-22 04:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.87 Mbit/s

95th percentile per-packet one-way delay: 61.001 ms

Loss rate: 3.92%

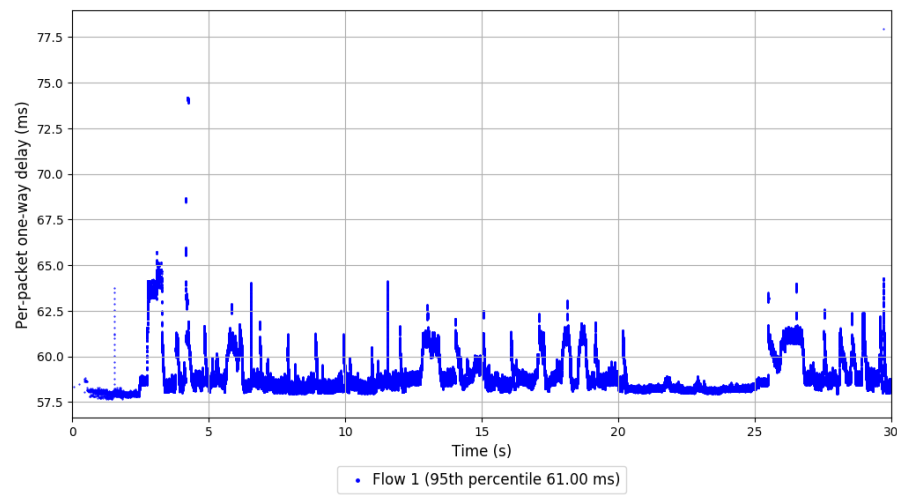
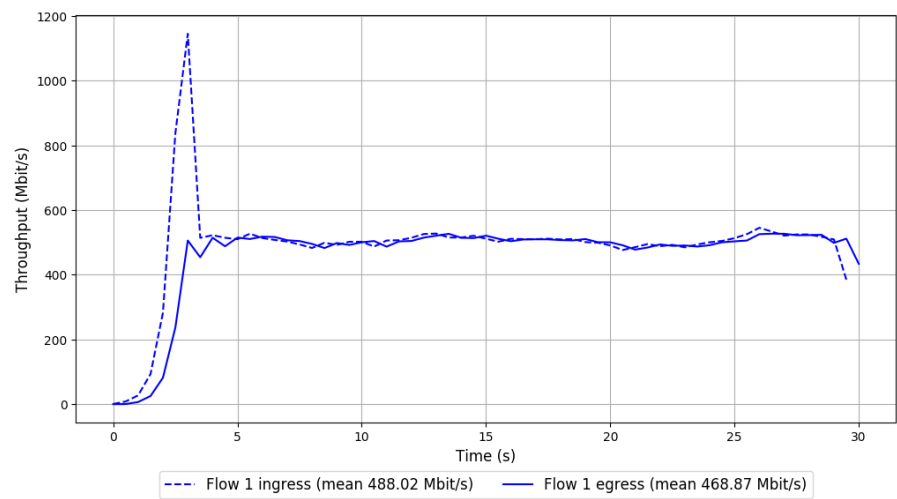
-- Flow 1:

Average throughput: 468.87 Mbit/s

95th percentile per-packet one-way delay: 61.001 ms

Loss rate: 3.92%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-22 01:32:30

End at: 2018-07-22 01:33:00

Local clock offset: 1.059 ms

Remote clock offset: -33.308 ms

Below is generated by plot.py at 2018-07-22 04:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.44 Mbit/s

95th percentile per-packet one-way delay: 61.969 ms

Loss rate: 3.61%

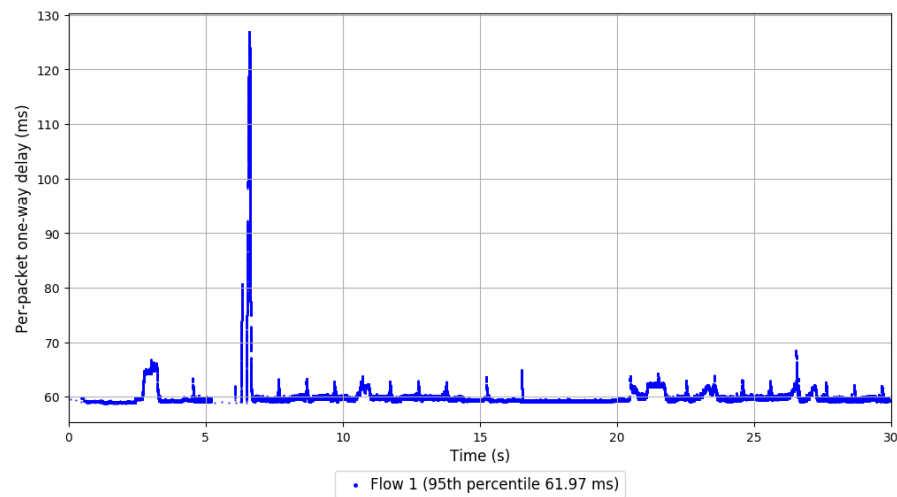
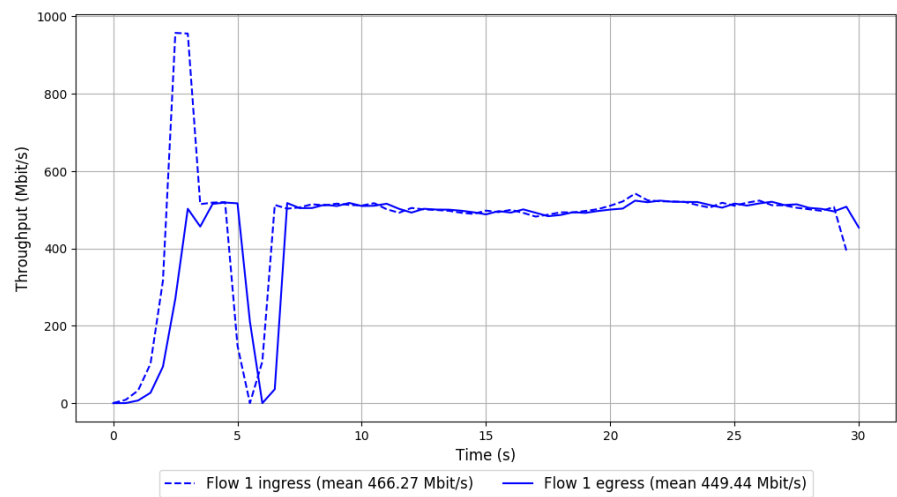
-- Flow 1:

Average throughput: 449.44 Mbit/s

95th percentile per-packet one-way delay: 61.969 ms

Loss rate: 3.61%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-22 02:21:03

End at: 2018-07-22 02:21:33

Local clock offset: 1.298 ms

Remote clock offset: -37.387 ms

Below is generated by plot.py at 2018-07-22 04:04:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.84 Mbit/s

95th percentile per-packet one-way delay: 58.636 ms

Loss rate: 3.53%

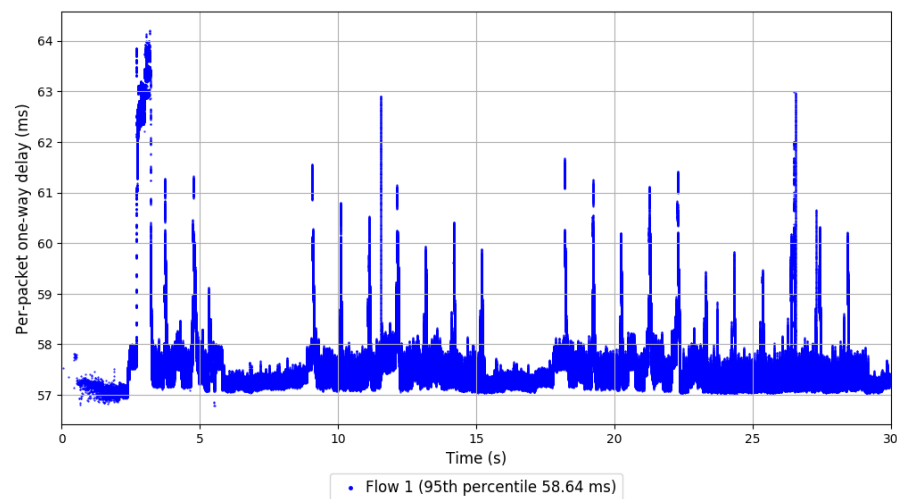
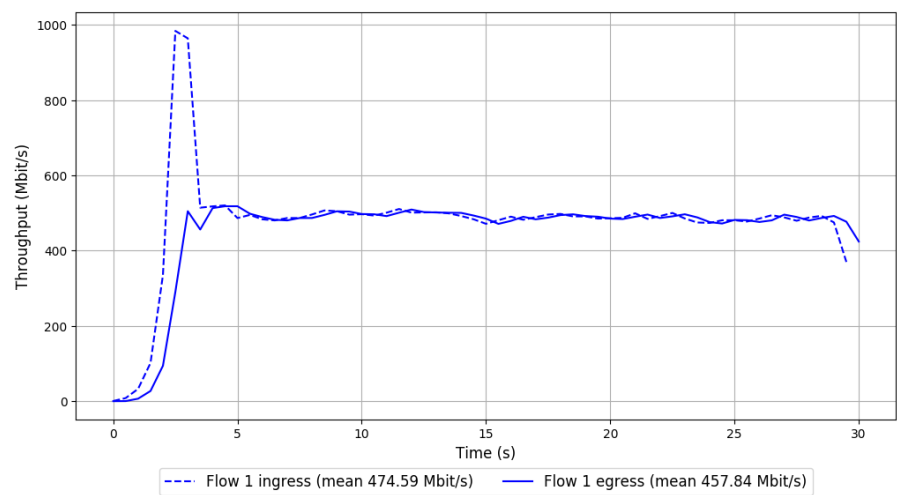
-- Flow 1:

Average throughput: 457.84 Mbit/s

95th percentile per-packet one-way delay: 58.636 ms

Loss rate: 3.53%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-22 02:48:55

End at: 2018-07-22 02:49:25

Local clock offset: -2.26 ms

Remote clock offset: -31.684 ms

Below is generated by plot.py at 2018-07-22 04:07:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.68 Mbit/s

95th percentile per-packet one-way delay: 68.629 ms

Loss rate: 3.76%

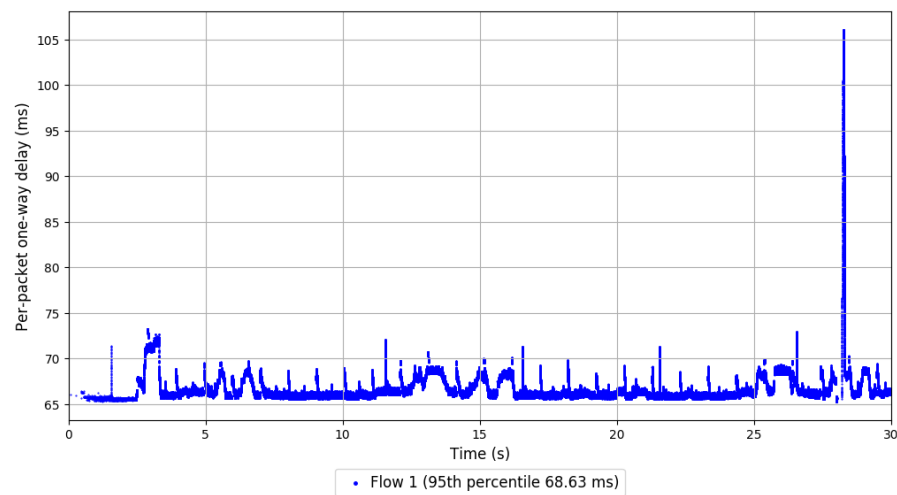
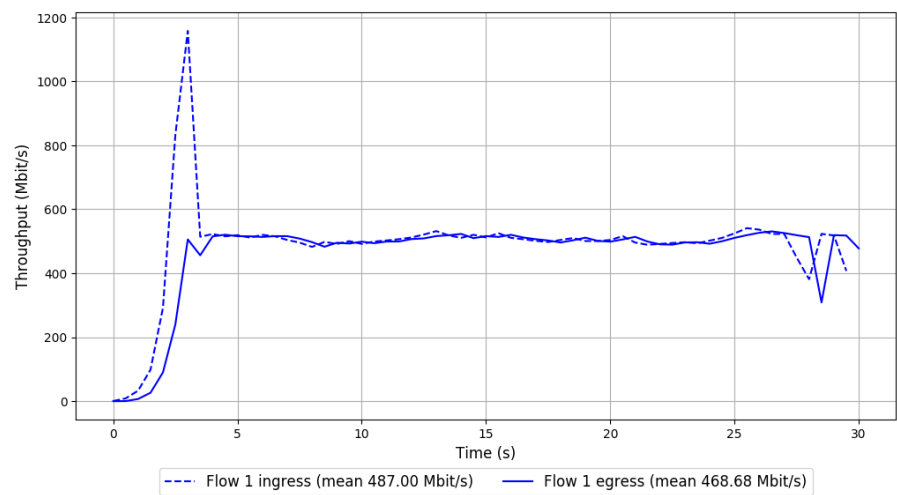
-- Flow 1:

Average throughput: 468.68 Mbit/s

95th percentile per-packet one-way delay: 68.629 ms

Loss rate: 3.76%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-22 03:16:39

End at: 2018-07-22 03:17:09

Local clock offset: 0.127 ms

Remote clock offset: -32.104 ms

Below is generated by plot.py at 2018-07-22 04:07:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.39 Mbit/s

95th percentile per-packet one-way delay: 67.477 ms

Loss rate: 1.37%

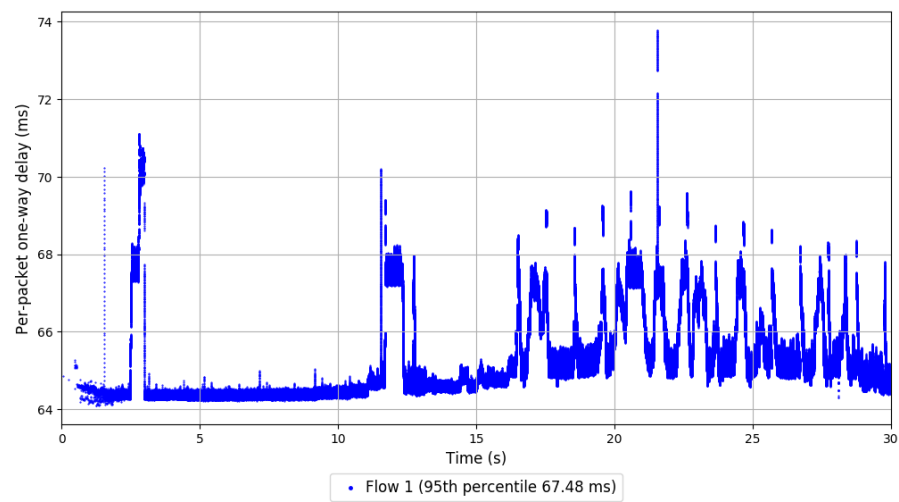
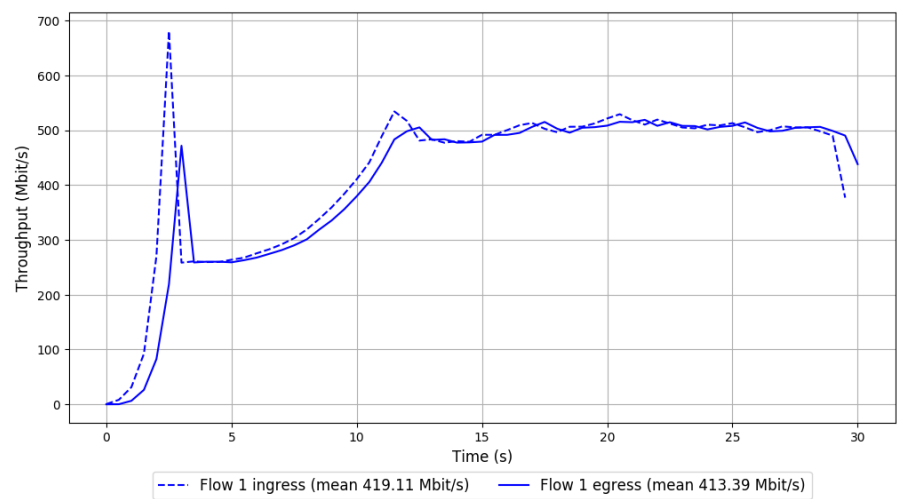
-- Flow 1:

Average throughput: 413.39 Mbit/s

95th percentile per-packet one-way delay: 67.477 ms

Loss rate: 1.37%

Run 10: Report of PCC-Allegro — Data Link

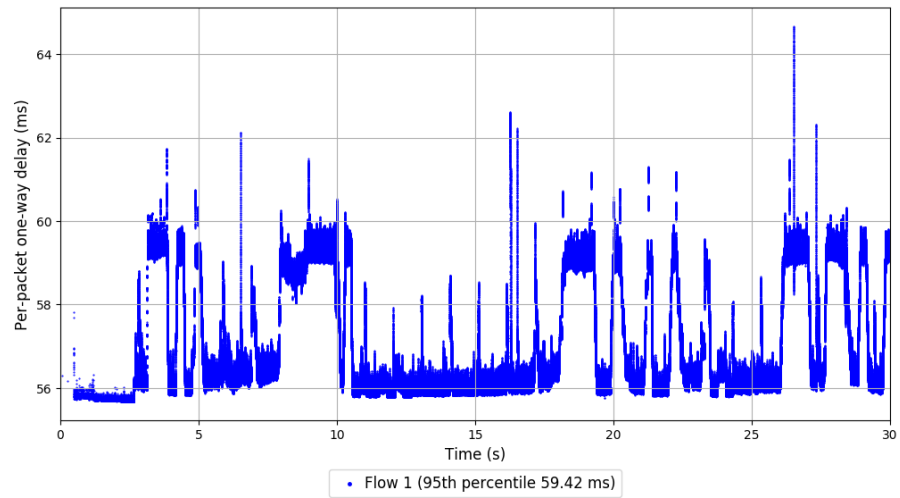
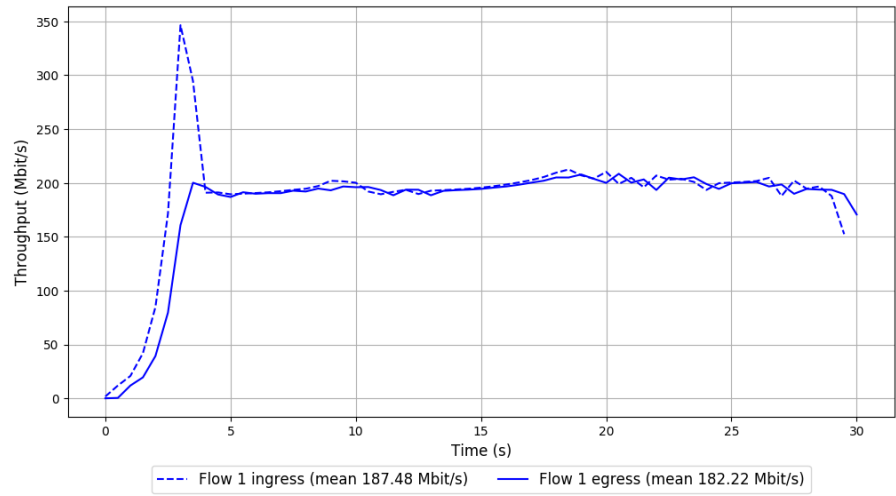


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-21 22:57:39
End at: 2018-07-21 22:58:09
Local clock offset: 0.749 ms
Remote clock offset: -38.382 ms

# Below is generated by plot.py at 2018-07-22 04:07:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.22 Mbit/s
95th percentile per-packet one-way delay: 59.417 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 182.22 Mbit/s
95th percentile per-packet one-way delay: 59.417 ms
Loss rate: 2.80%
```

Run 1: Report of PCC-Expr — Data Link

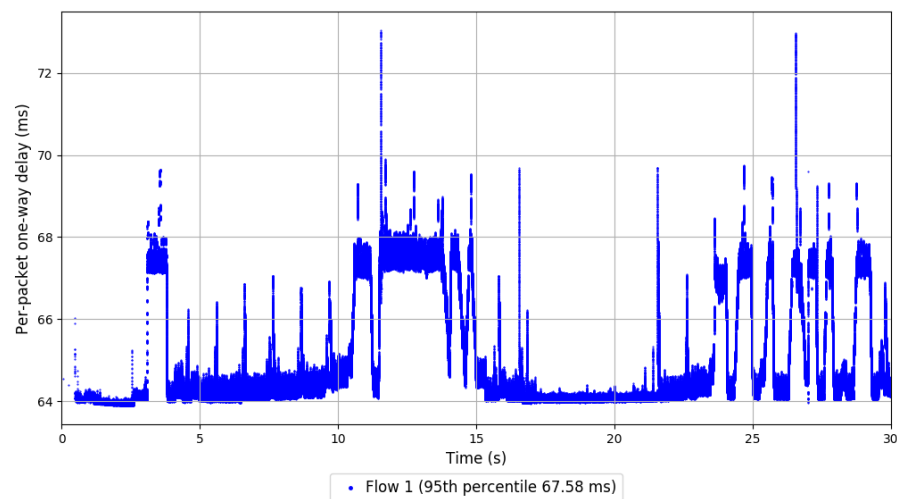
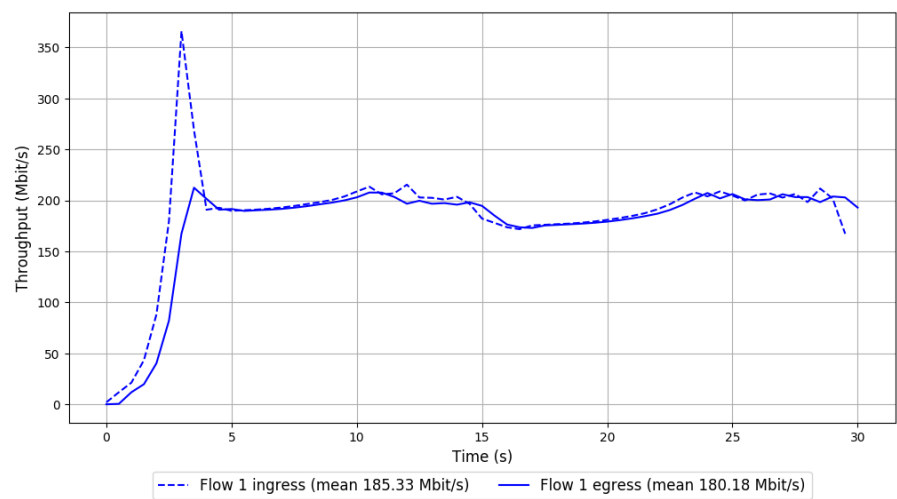


Run 2: Statistics of PCC-Expr

Start at: 2018-07-21 23:36:39
End at: 2018-07-21 23:37:09
Local clock offset: -0.851 ms
Remote clock offset: -28.526 ms

Below is generated by plot.py at 2018-07-22 04:07:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.18 Mbit/s
95th percentile per-packet one-way delay: 67.576 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 180.18 Mbit/s
95th percentile per-packet one-way delay: 67.576 ms
Loss rate: 2.78%

Run 2: Report of PCC-Expr — Data Link

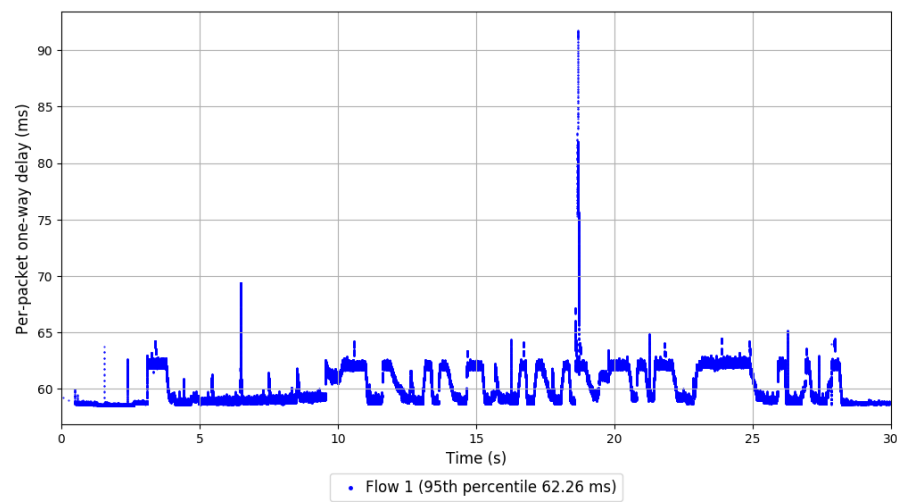
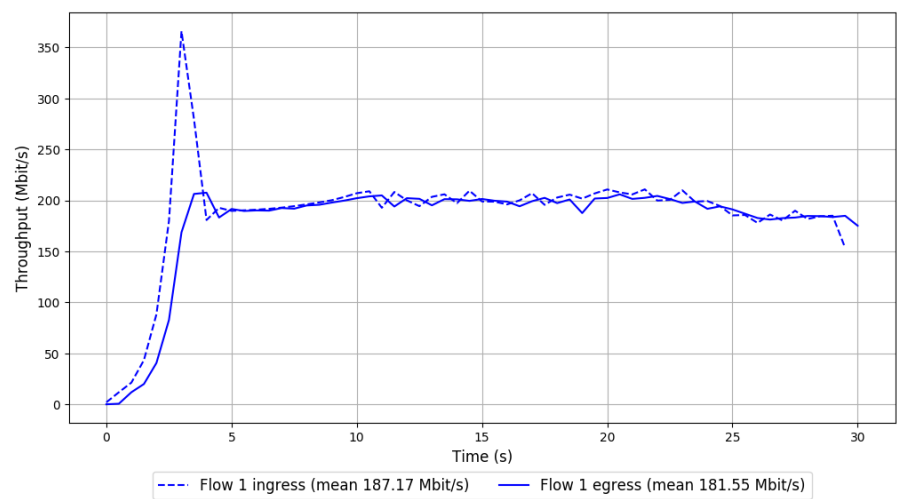


Run 3: Statistics of PCC-Expr

Start at: 2018-07-22 00:04:14
End at: 2018-07-22 00:04:44
Local clock offset: -2.445 ms
Remote clock offset: -35.245 ms

Below is generated by plot.py at 2018-07-22 04:07:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.55 Mbit/s
95th percentile per-packet one-way delay: 62.259 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 181.55 Mbit/s
95th percentile per-packet one-way delay: 62.259 ms
Loss rate: 3.00%

Run 3: Report of PCC-Expr — Data Link

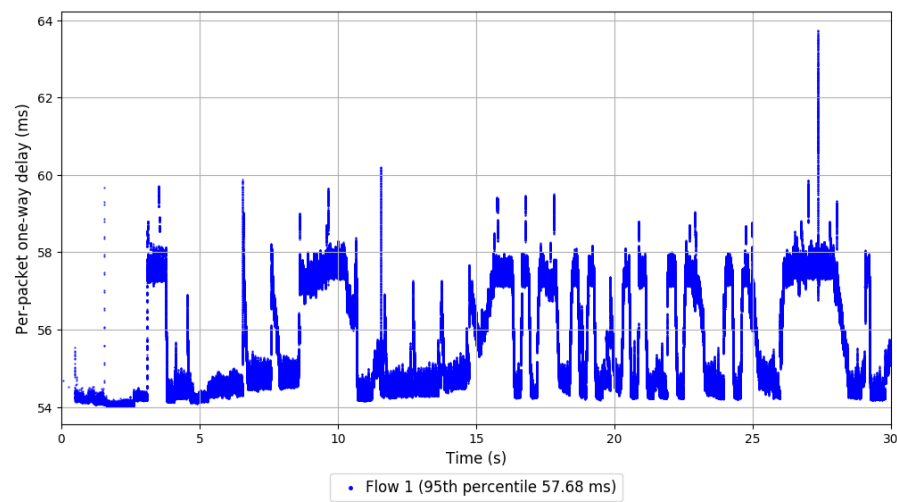
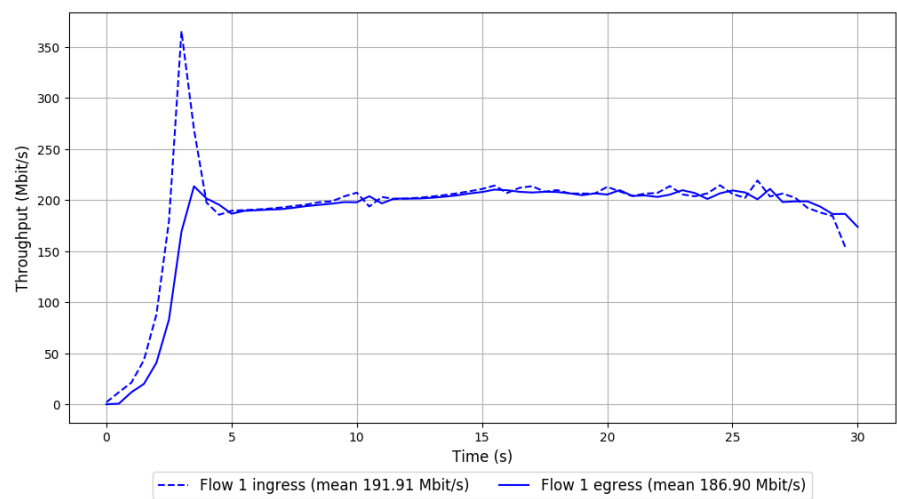


Run 4: Statistics of PCC-Expr

Start at: 2018-07-22 00:32:43
End at: 2018-07-22 00:33:13
Local clock offset: -0.248 ms
Remote clock offset: -37.425 ms

Below is generated by plot.py at 2018-07-22 04:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.90 Mbit/s
95th percentile per-packet one-way delay: 57.680 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 186.90 Mbit/s
95th percentile per-packet one-way delay: 57.680 ms
Loss rate: 2.61%

Run 4: Report of PCC-Expr — Data Link

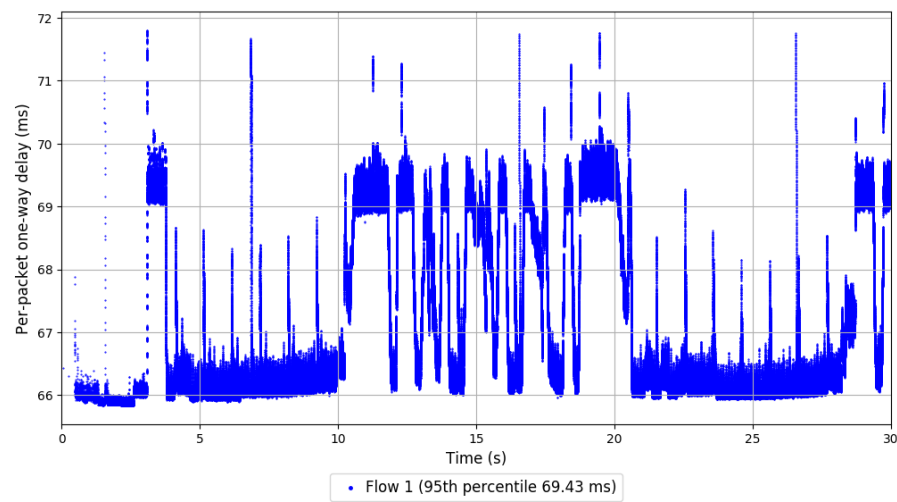
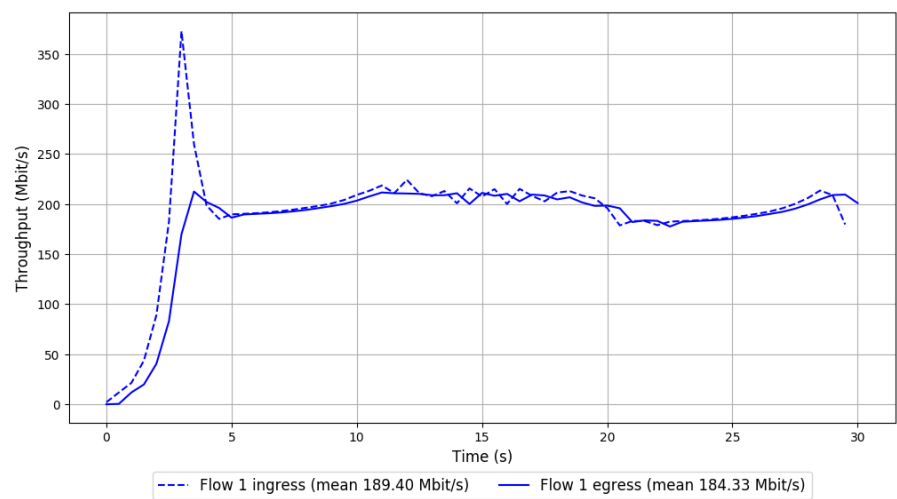


Run 5: Statistics of PCC-Expr

Start at: 2018-07-22 00:54:51
End at: 2018-07-22 00:55:21
Local clock offset: -2.369 ms
Remote clock offset: -28.05 ms

Below is generated by plot.py at 2018-07-22 04:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.33 Mbit/s
95th percentile per-packet one-way delay: 69.426 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 184.33 Mbit/s
95th percentile per-packet one-way delay: 69.426 ms
Loss rate: 2.67%

Run 5: Report of PCC-Expr — Data Link

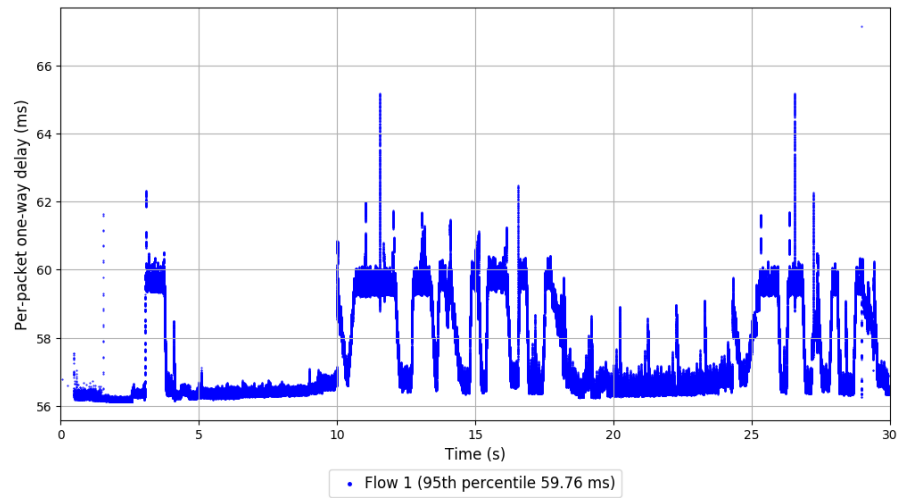
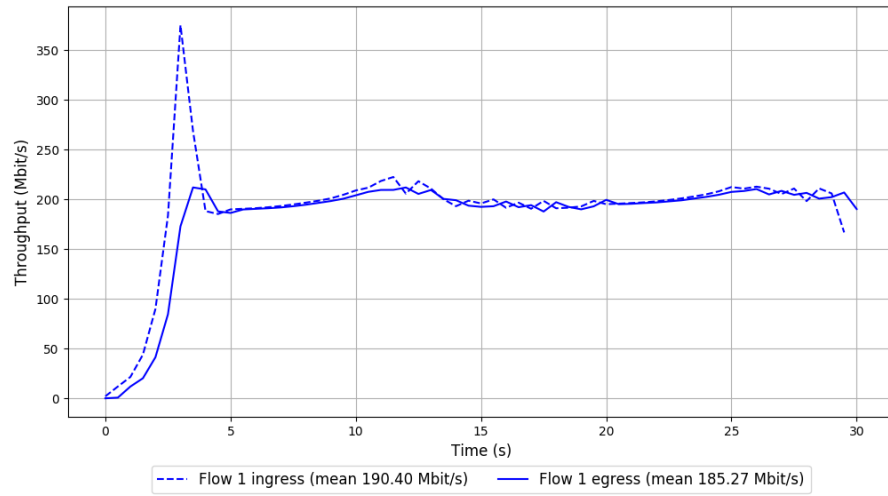


Run 6: Statistics of PCC-Expr

Start at: 2018-07-22 01:16:56
End at: 2018-07-22 01:17:26
Local clock offset: 1.109 ms
Remote clock offset: -35.383 ms

Below is generated by plot.py at 2018-07-22 04:08:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.27 Mbit/s
95th percentile per-packet one-way delay: 59.761 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 185.27 Mbit/s
95th percentile per-packet one-way delay: 59.761 ms
Loss rate: 2.70%

Run 6: Report of PCC-Expr — Data Link

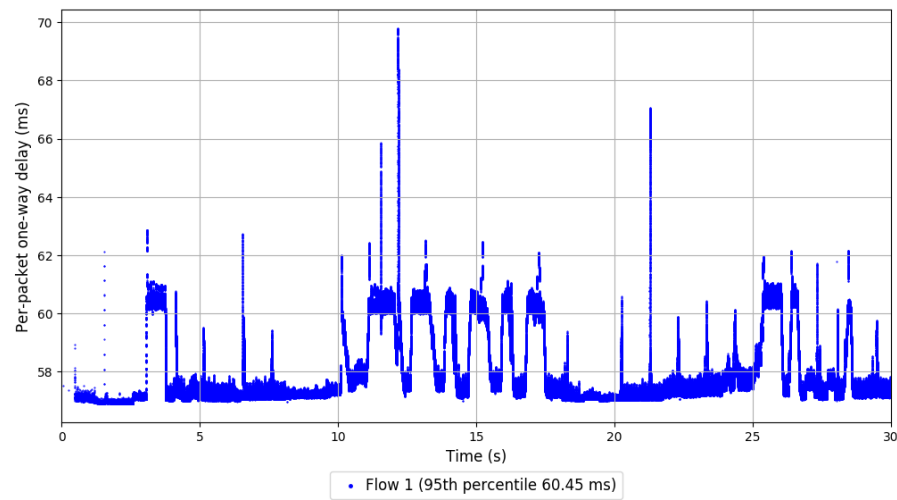
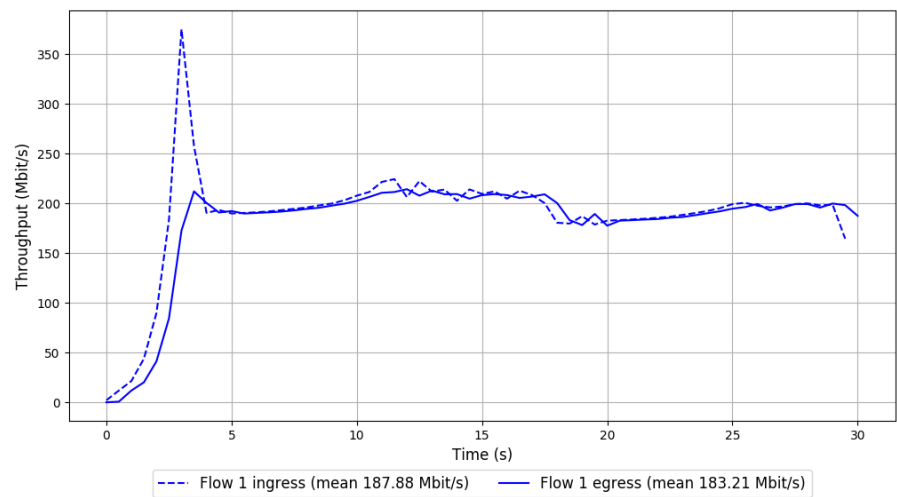


Run 7: Statistics of PCC-Expr

Start at: 2018-07-22 01:48:46
End at: 2018-07-22 01:49:16
Local clock offset: 0.461 ms
Remote clock offset: -37.165 ms

Below is generated by plot.py at 2018-07-22 04:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 60.445 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 60.445 ms
Loss rate: 2.49%

Run 7: Report of PCC-Expr — Data Link

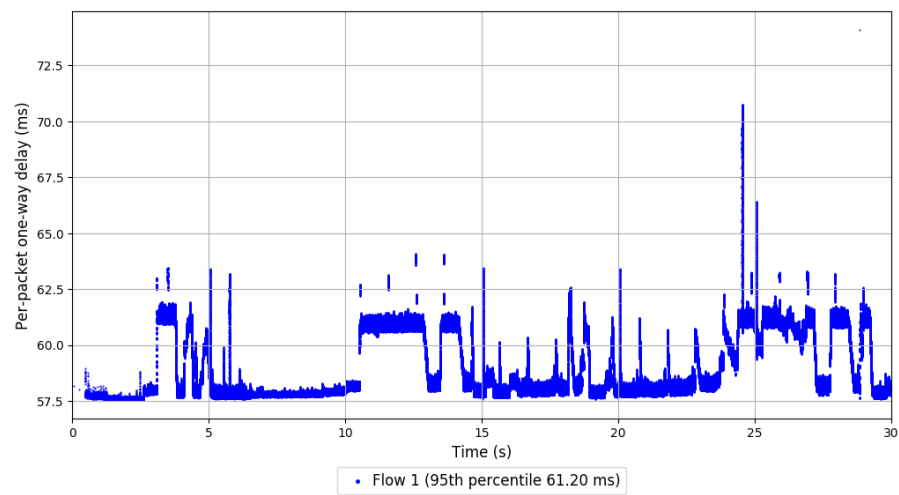
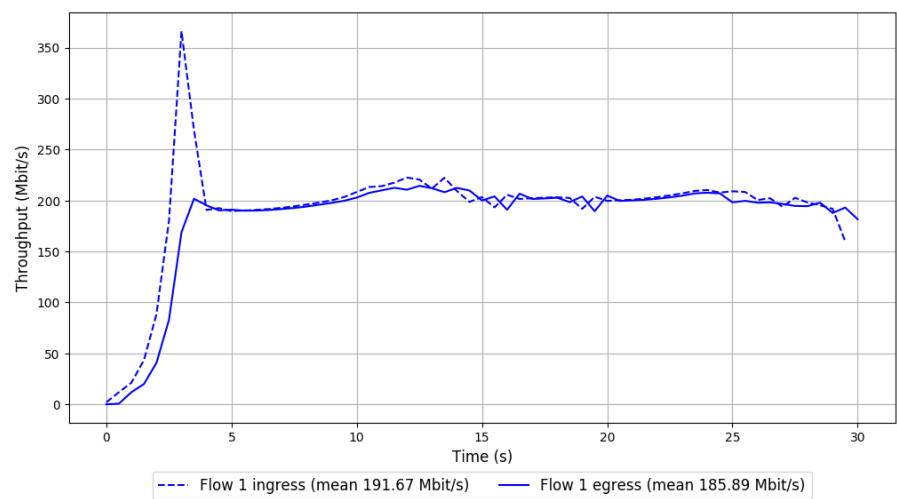


Run 8: Statistics of PCC-Expr

Start at: 2018-07-22 02:27:41
End at: 2018-07-22 02:28:11
Local clock offset: 0.031 ms
Remote clock offset: -37.874 ms

Below is generated by plot.py at 2018-07-22 04:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.89 Mbit/s
95th percentile per-packet one-way delay: 61.203 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 185.89 Mbit/s
95th percentile per-packet one-way delay: 61.203 ms
Loss rate: 3.02%

Run 8: Report of PCC-Expr — Data Link

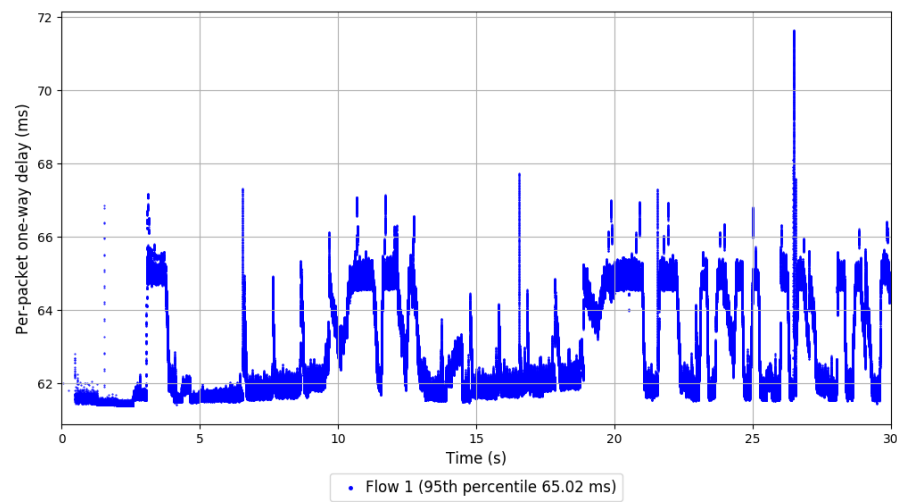
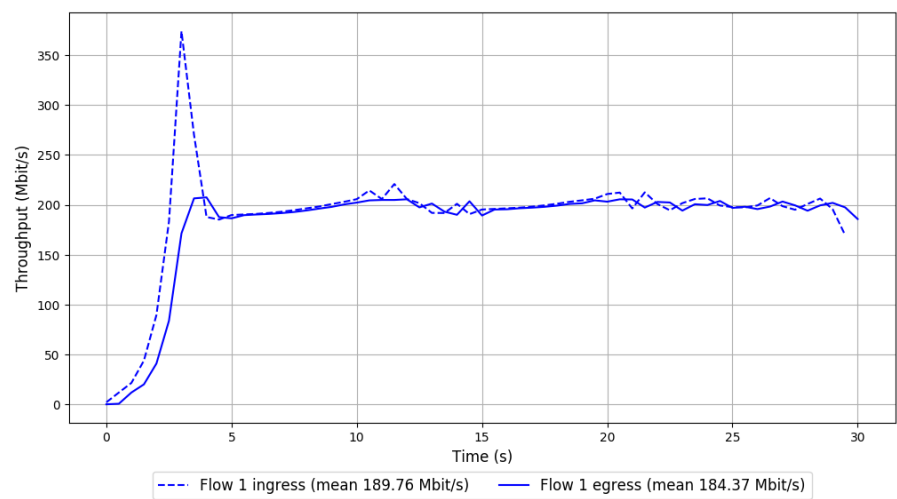


Run 9: Statistics of PCC-Expr

Start at: 2018-07-22 03:01:08
End at: 2018-07-22 03:01:38
Local clock offset: -1.458 ms
Remote clock offset: -34.728 ms

Below is generated by plot.py at 2018-07-22 04:11:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.37 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 184.37 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 2.83%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-22 03:23:07

End at: 2018-07-22 03:23:37

Local clock offset: 1.783 ms

Remote clock offset: -33.671 ms

Below is generated by plot.py at 2018-07-22 04:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.10 Mbit/s

95th percentile per-packet one-way delay: 61.845 ms

Loss rate: 2.58%

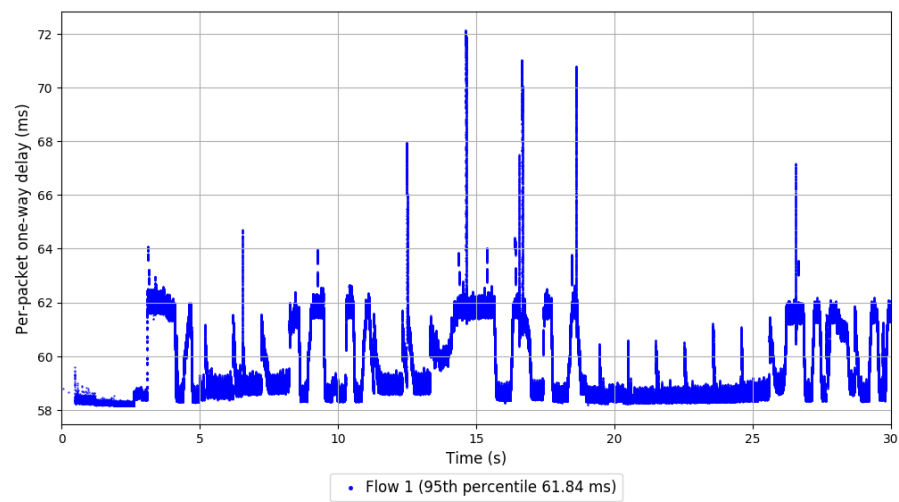
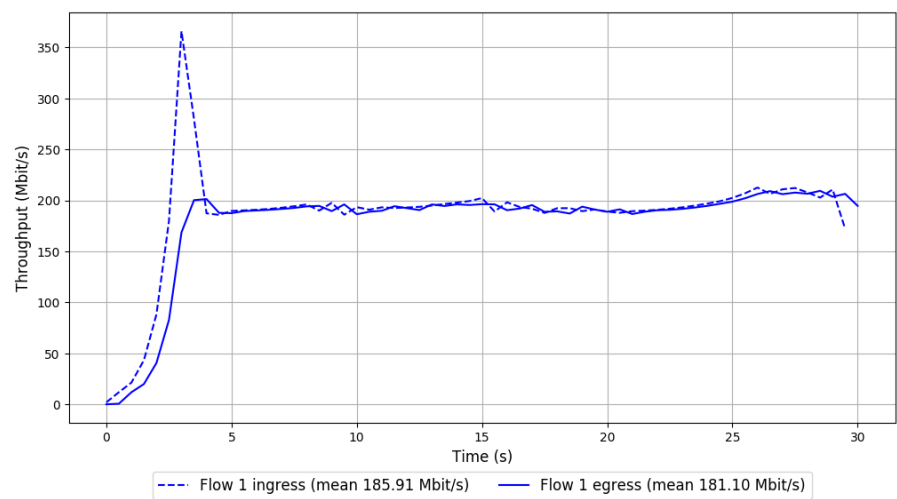
-- Flow 1:

Average throughput: 181.10 Mbit/s

95th percentile per-packet one-way delay: 61.845 ms

Loss rate: 2.58%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

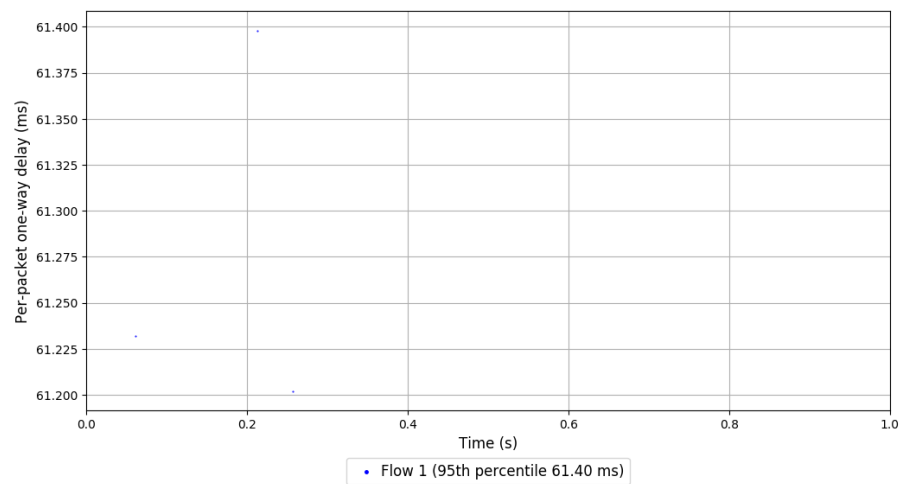
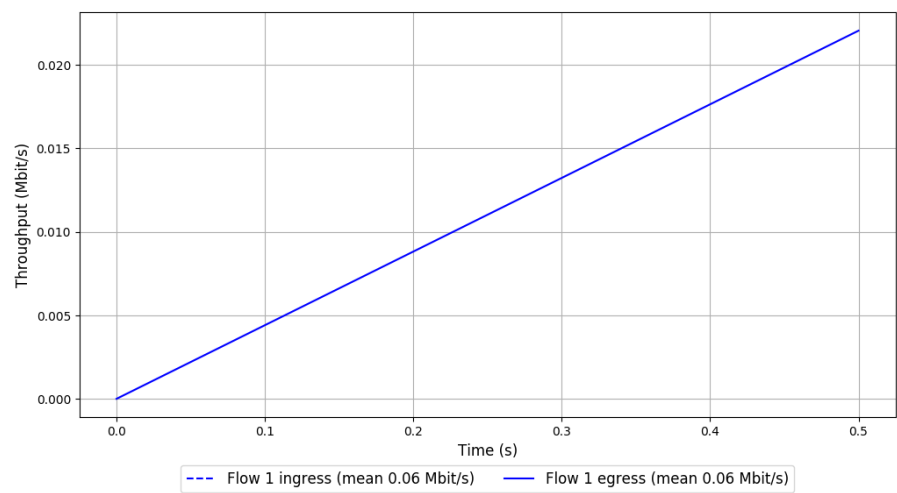
Start at: 2018-07-21 22:37:27

End at: 2018-07-21 22:37:57

Local clock offset: 1.885 ms

Remote clock offset: -31.592 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

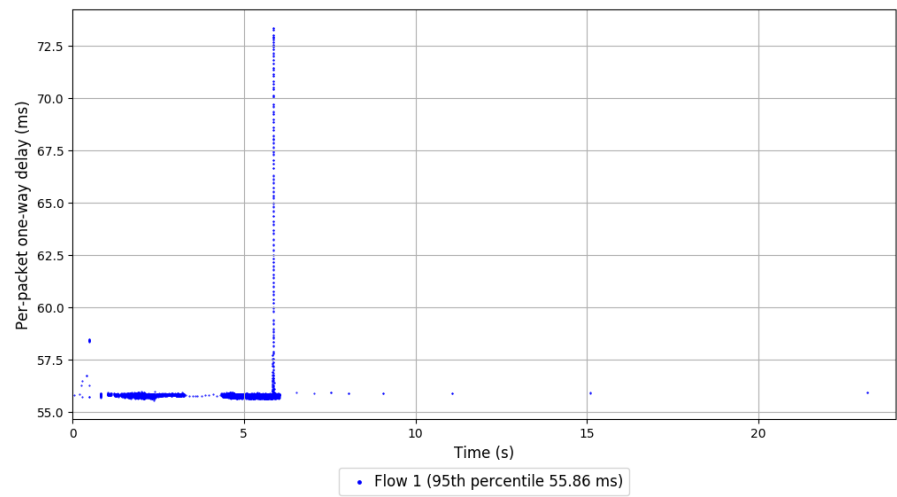
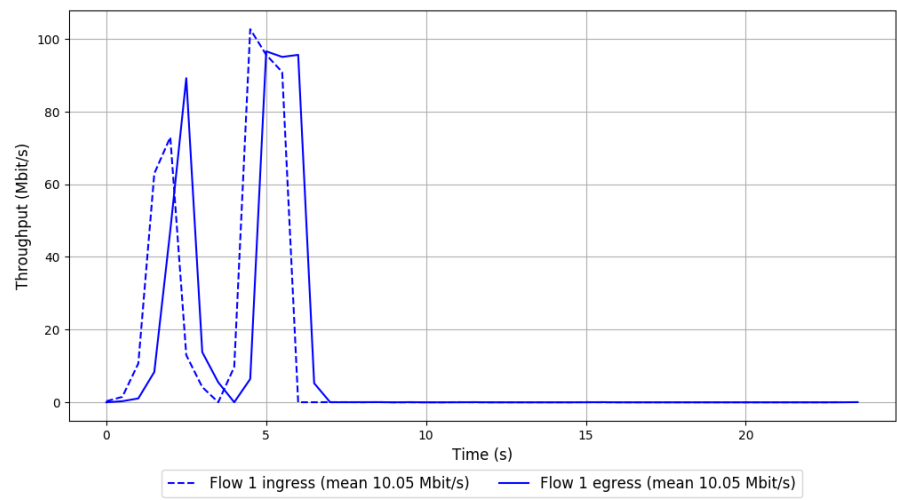
Start at: 2018-07-21 23:14:48

End at: 2018-07-21 23:15:18

Local clock offset: 1.953 ms

Remote clock offset: -34.174 ms

Run 2: Report of QUIC Cubic — Data Link

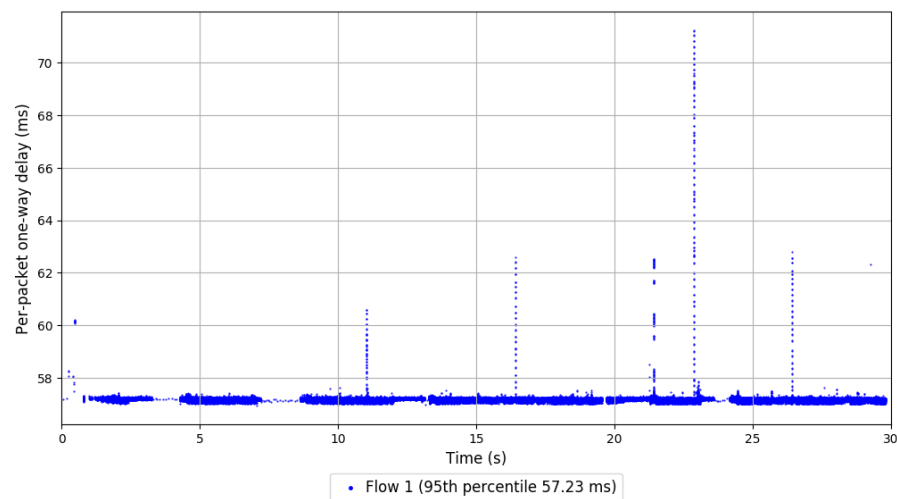
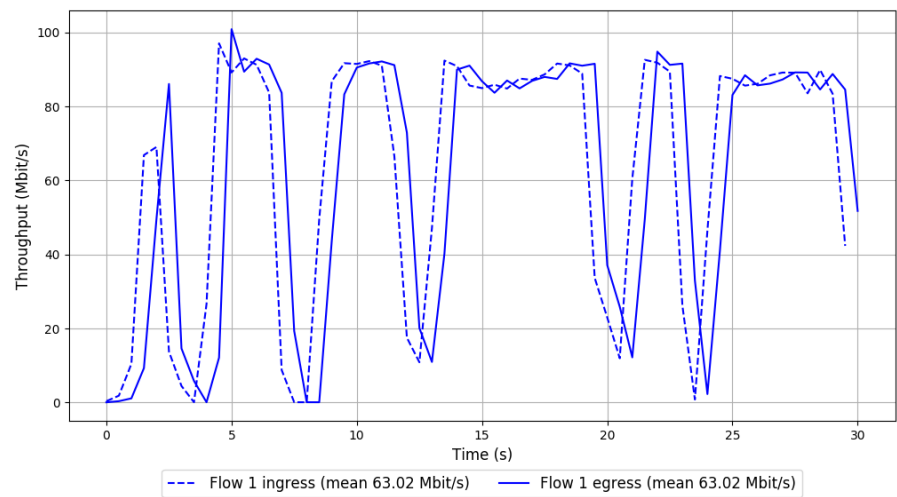


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-21 23:53:41
End at: 2018-07-21 23:54:11
Local clock offset: 0.437 ms
Remote clock offset: -34.102 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 57.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 57.231 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

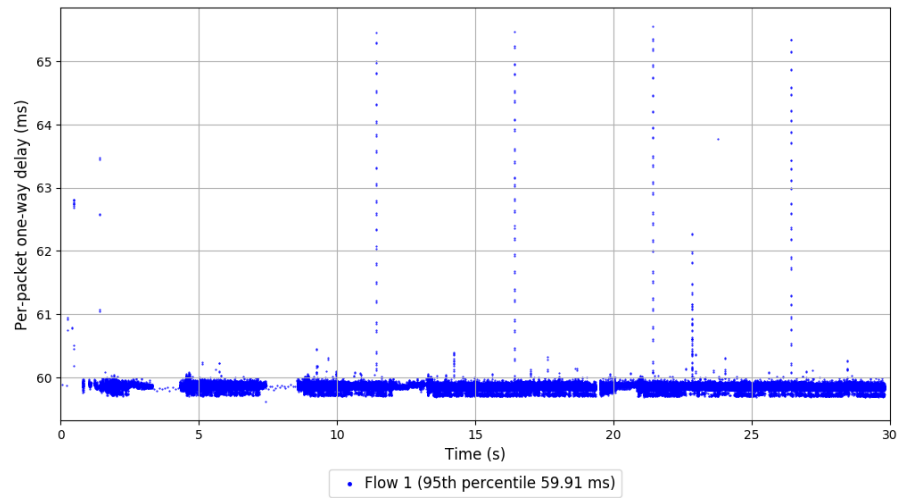
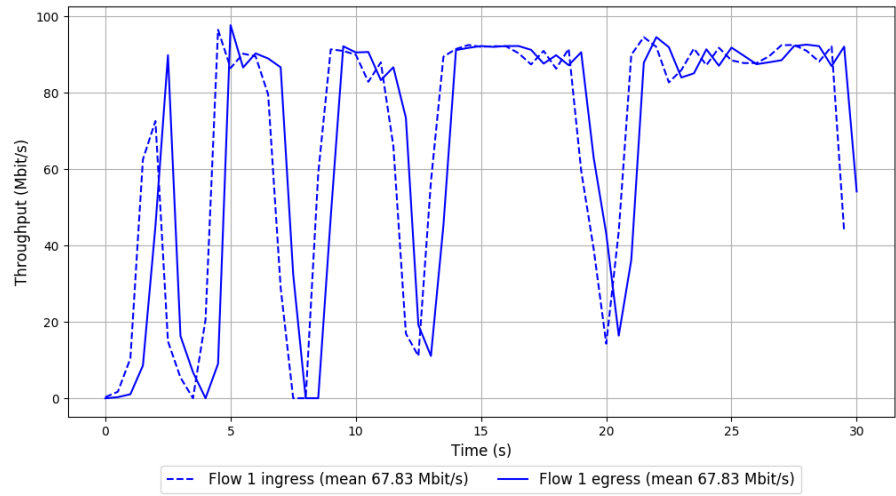


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-22 00:21:50
End at: 2018-07-22 00:22:20
Local clock offset: -2.009 ms
Remote clock offset: -36.112 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 59.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 59.911 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

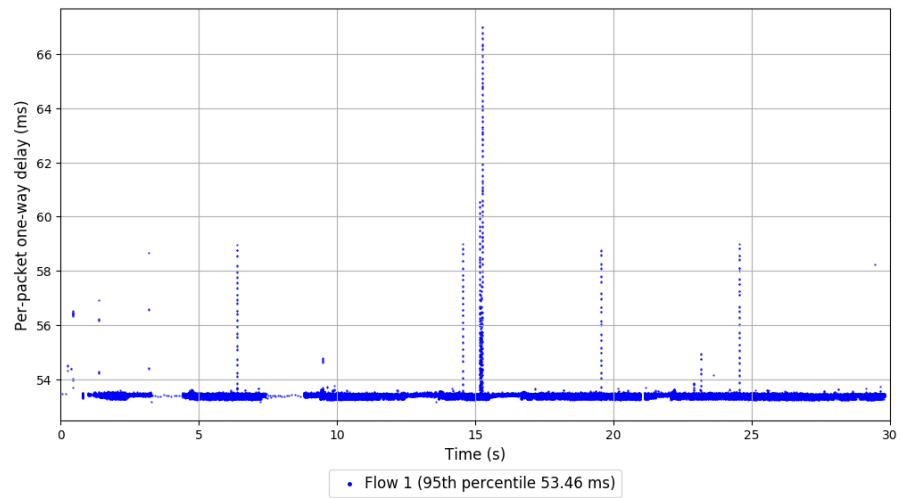
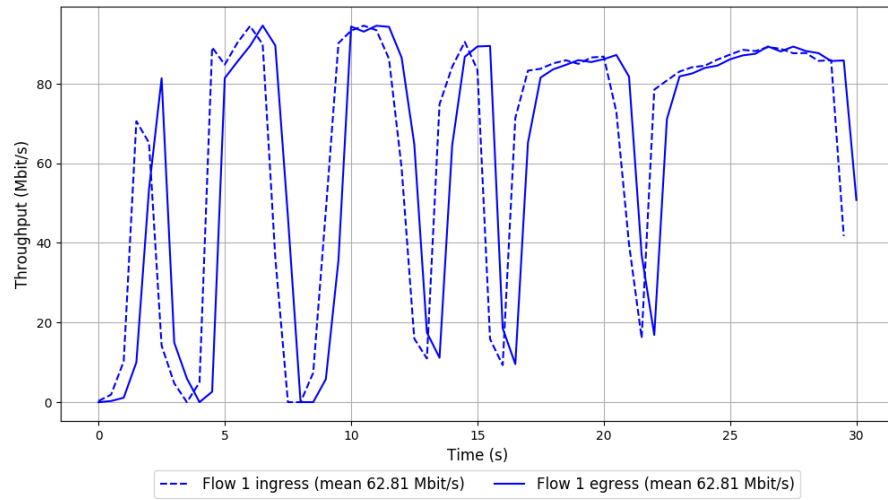


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-22 00:44:15
End at: 2018-07-22 00:44:45
Local clock offset: -2.327 ms
Remote clock offset: -40.372 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.81 Mbit/s
95th percentile per-packet one-way delay: 53.457 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.81 Mbit/s
95th percentile per-packet one-way delay: 53.457 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

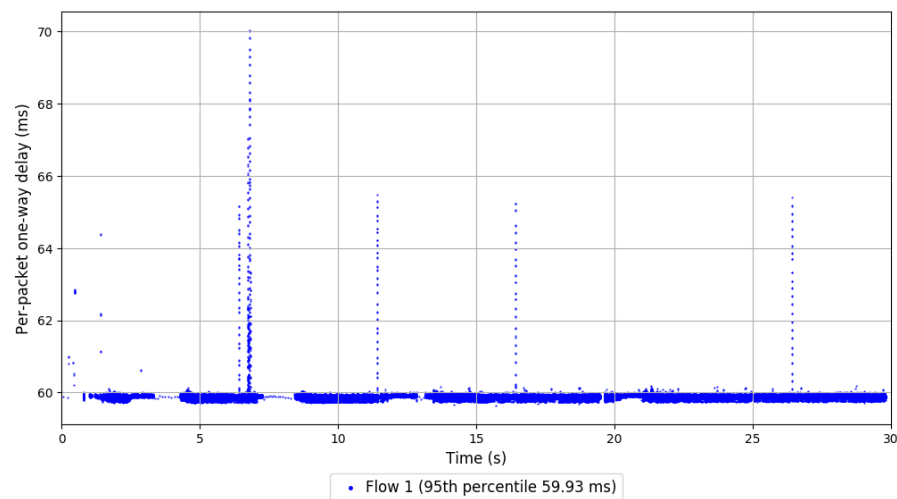
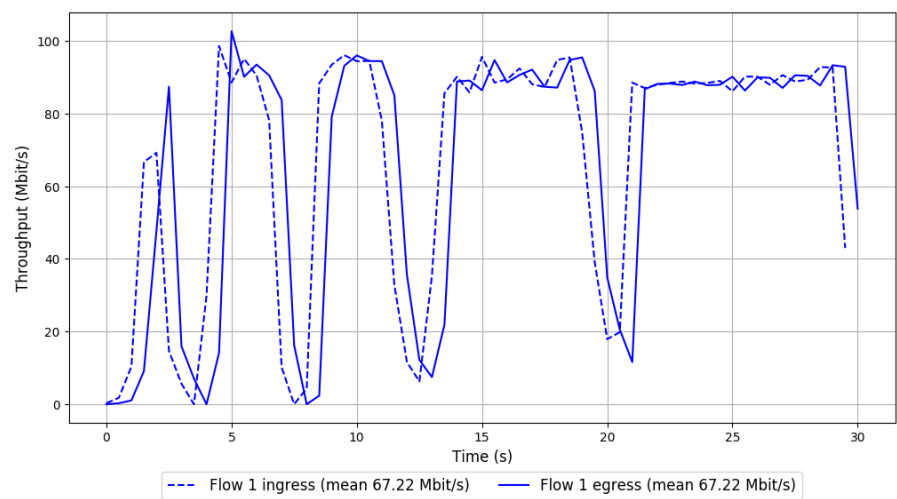


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-22 01:06:23
End at: 2018-07-22 01:06:53
Local clock offset: -1.597 ms
Remote clock offset: -33.466 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 59.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 59.933 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

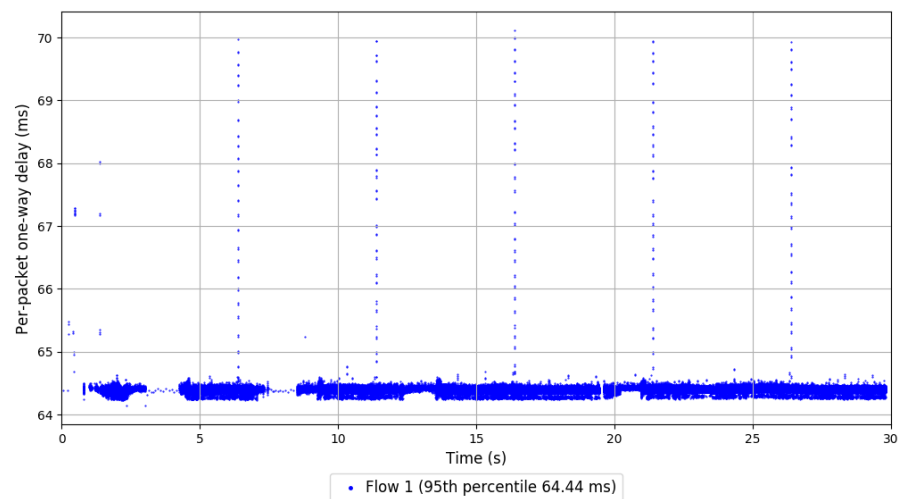
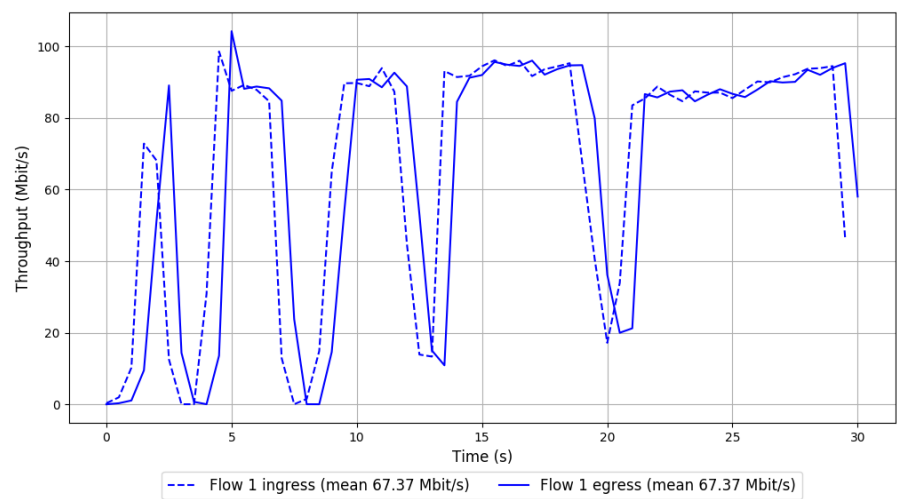


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-22 01:28:29
End at: 2018-07-22 01:28:59
Local clock offset: 1.017 ms
Remote clock offset: -27.791 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 64.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.37 Mbit/s
95th percentile per-packet one-way delay: 64.445 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

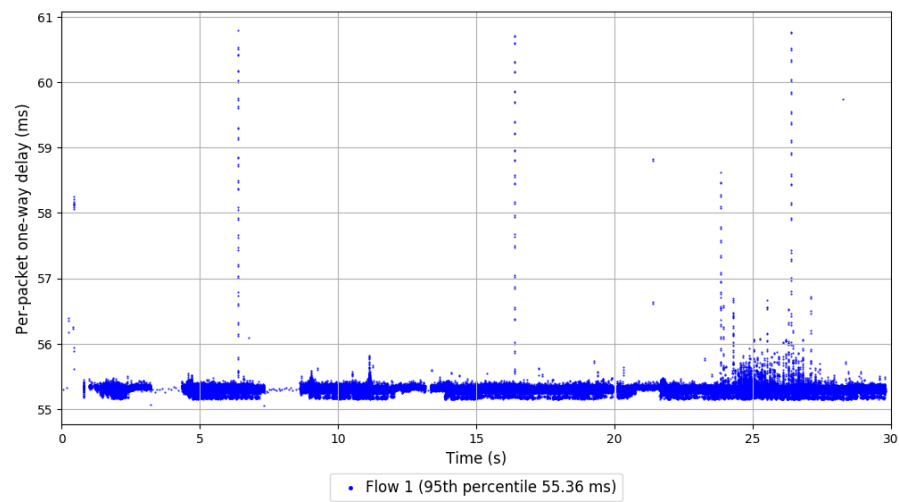
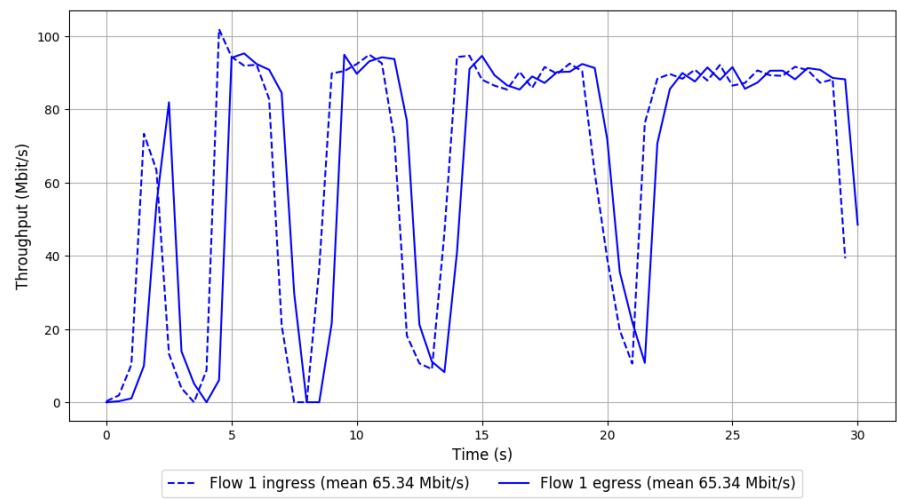


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-22 02:11:34
End at: 2018-07-22 02:12:04
Local clock offset: -1.34 ms
Remote clock offset: -42.112 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 55.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 55.359 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

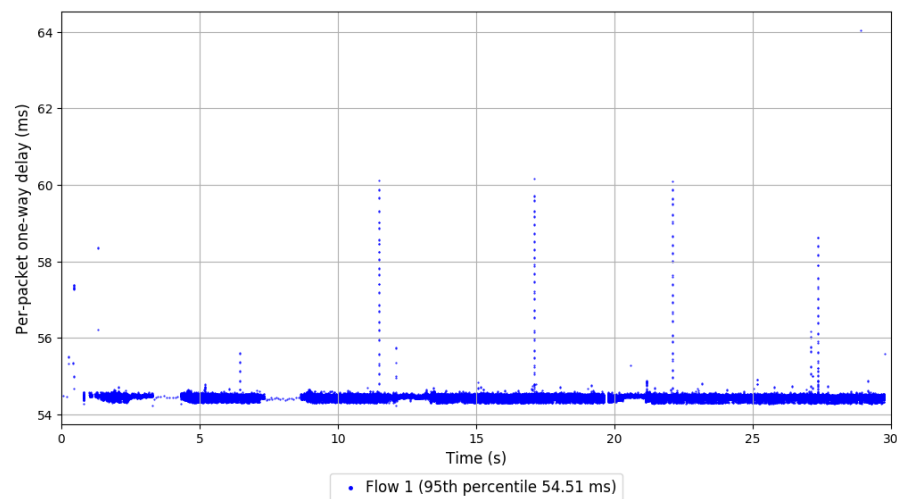
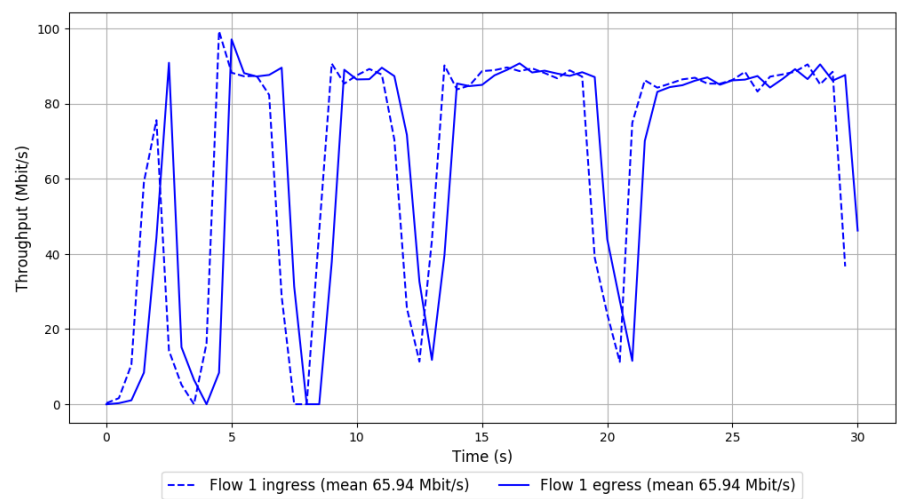


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-22 02:39:18
End at: 2018-07-22 02:39:48
Local clock offset: -0.083 ms
Remote clock offset: -43.701 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 54.508 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 54.508 ms
Loss rate: 0.01%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-22 03:12:38

End at: 2018-07-22 03:13:08

Local clock offset: 0.655 ms

Remote clock offset: -34.135 ms

Below is generated by plot.py at 2018-07-22 04:12:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 59.654 ms

Loss rate: 0.07%

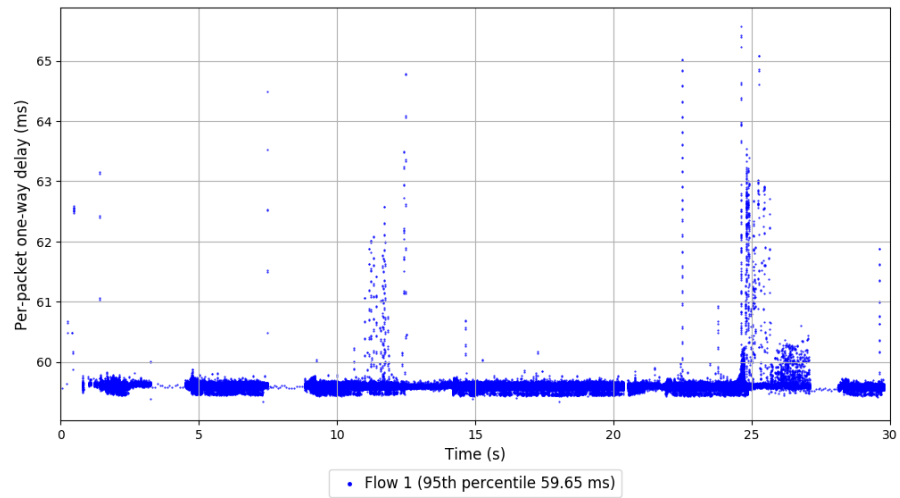
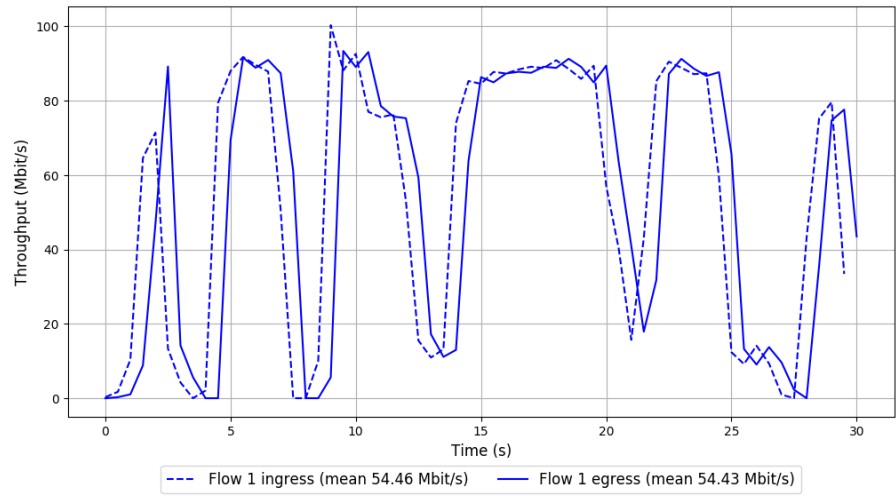
-- Flow 1:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 59.654 ms

Loss rate: 0.07%

Run 10: Report of QUIC Cubic — Data Link

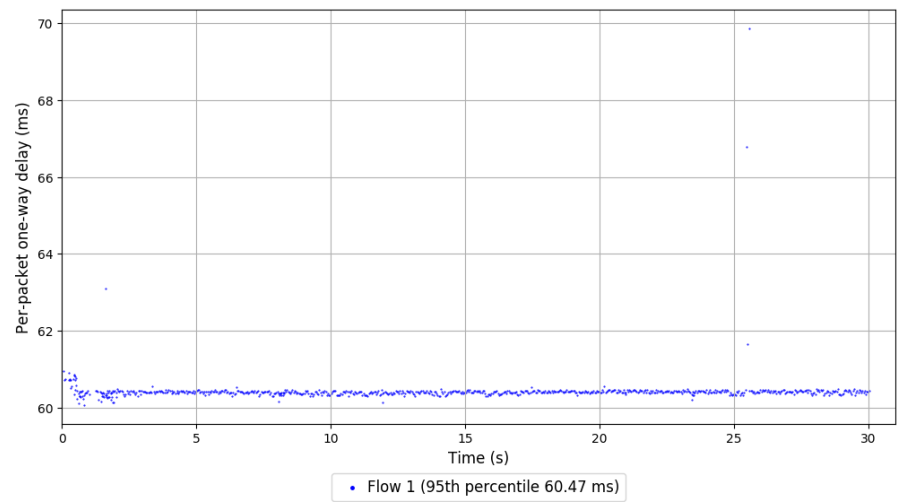
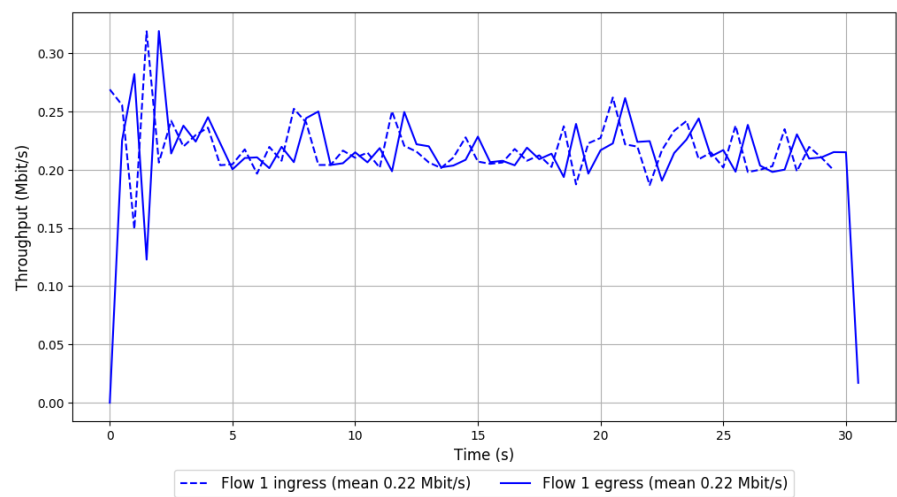


```
Run 1: Statistics of SCReAM

Start at: 2018-07-21 22:44:11
End at: 2018-07-21 22:44:41
Local clock offset: 2.672 ms
Remote clock offset: -31.864 ms

# Below is generated by plot.py at 2018-07-22 04:12:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.474 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

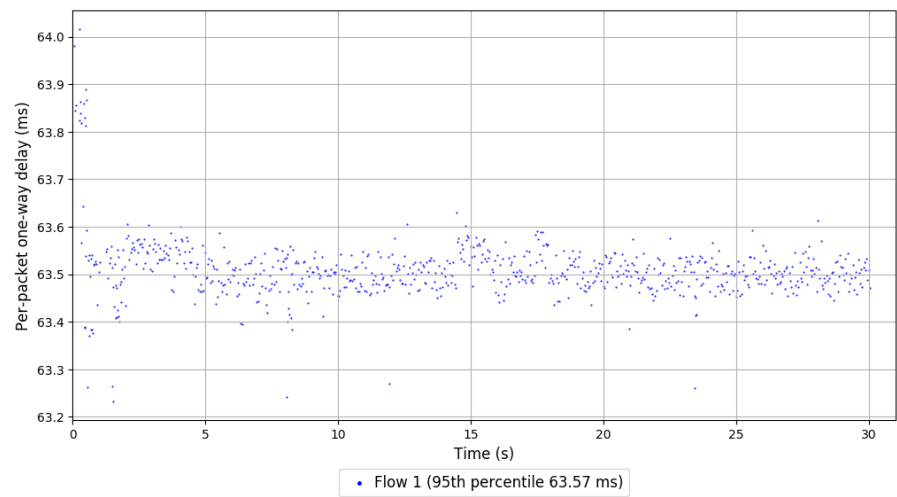
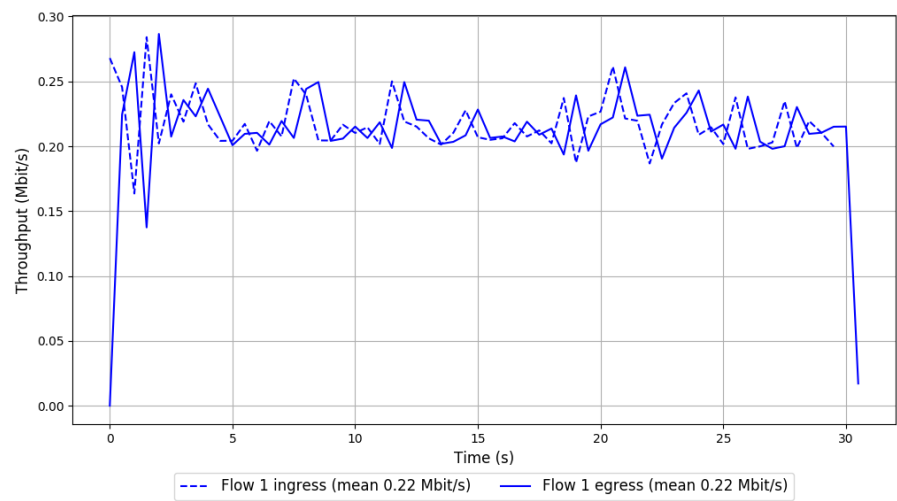


Run 2: Statistics of SCReAM

Start at: 2018-07-21 23:32:50
End at: 2018-07-21 23:33:20
Local clock offset: 1.363 ms
Remote clock offset: -27.412 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

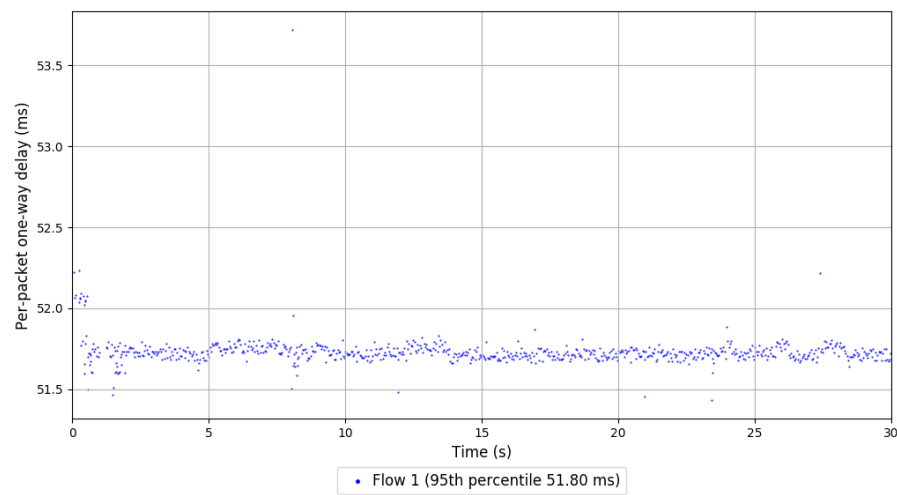
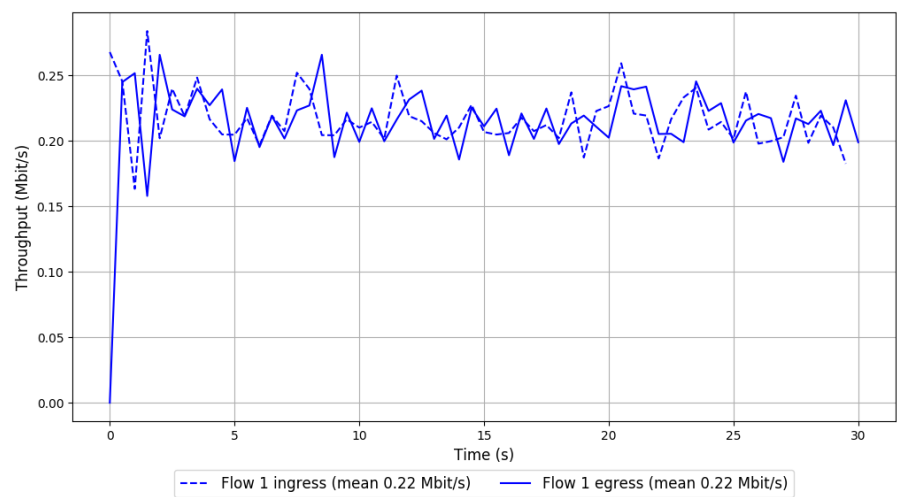


Run 3: Statistics of SCReAM

Start at: 2018-07-22 00:00:25
End at: 2018-07-22 00:00:55
Local clock offset: -1.737 ms
Remote clock offset: -41.61 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.795 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

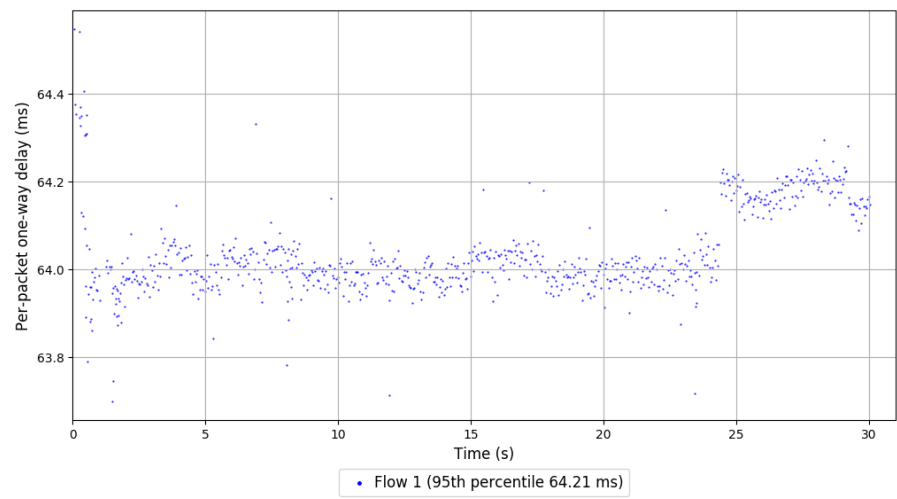
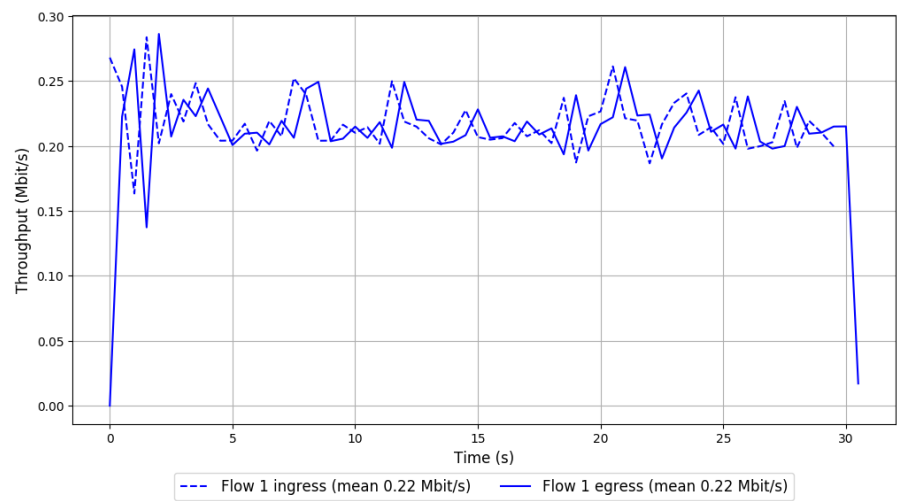


Run 4: Statistics of SCReAM

Start at: 2018-07-22 00:28:54
End at: 2018-07-22 00:29:24
Local clock offset: -2.622 ms
Remote clock offset: -30.063 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

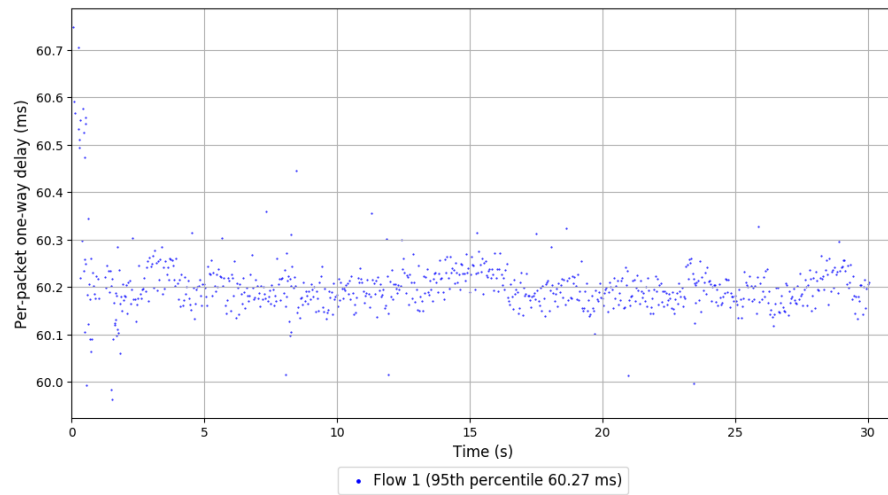
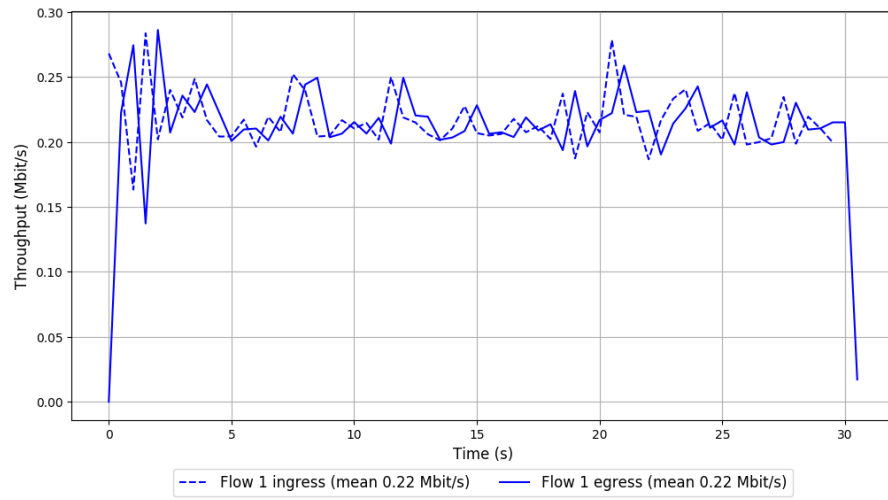


Run 5: Statistics of SCReAM

Start at: 2018-07-22 00:51:02
End at: 2018-07-22 00:51:32
Local clock offset: -0.515 ms
Remote clock offset: -31.713 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.268 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

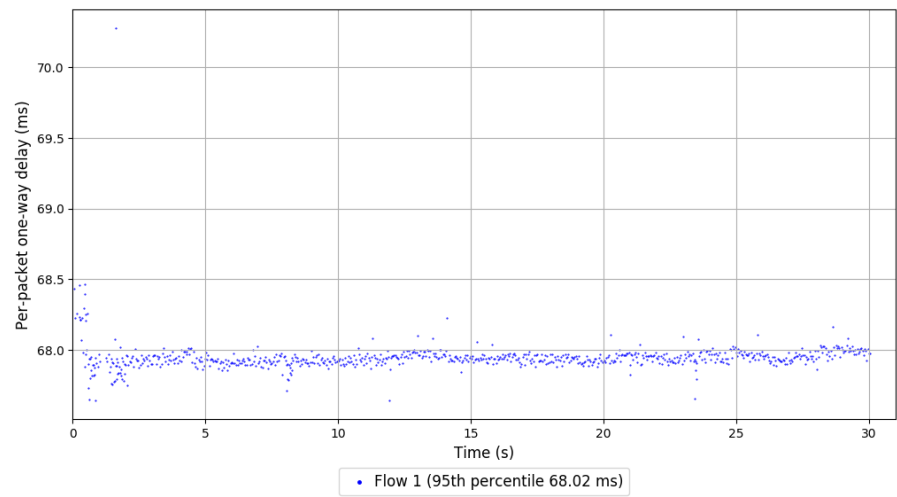
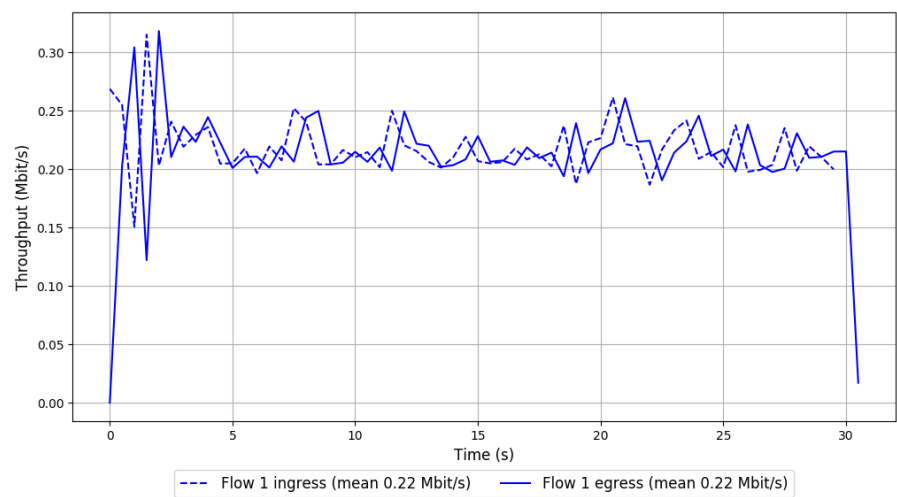


Run 6: Statistics of SReAM

Start at: 2018-07-22 01:13:08
End at: 2018-07-22 01:13:38
Local clock offset: -2.414 ms
Remote clock offset: -29.375 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.022 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

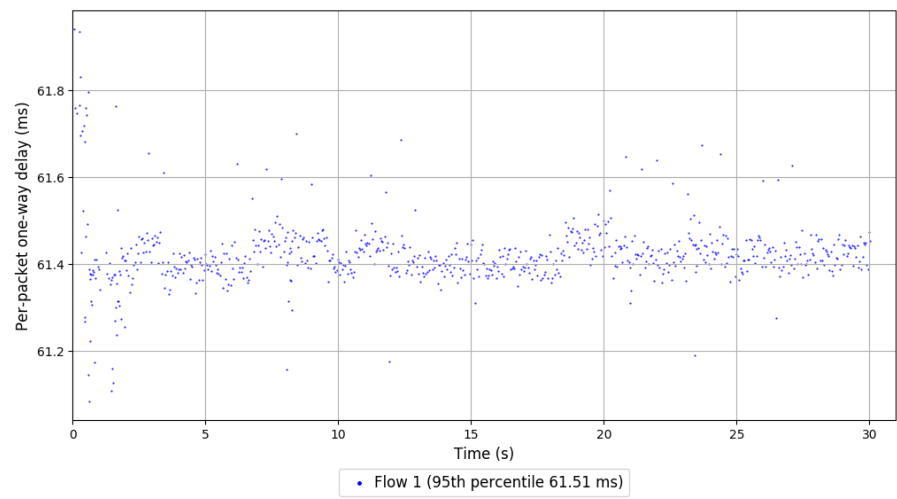
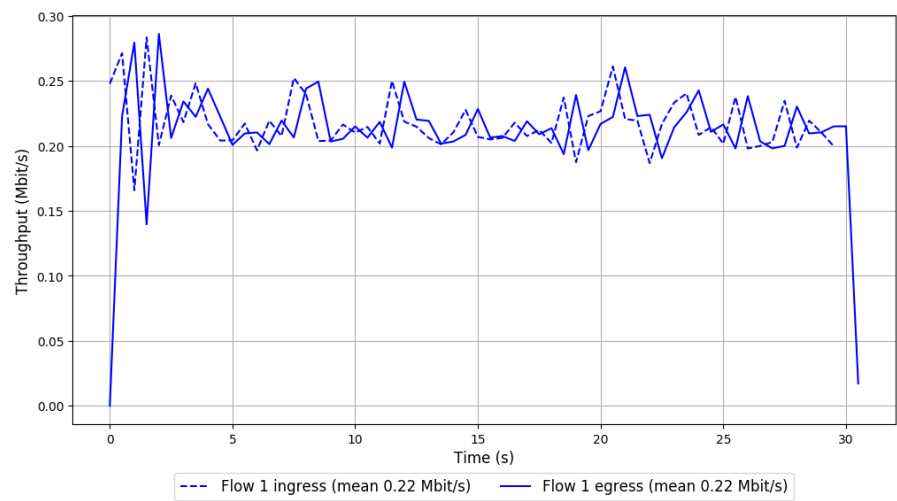


Run 7: Statistics of SCReAM

Start at: 2018-07-22 01:44:46
End at: 2018-07-22 01:45:16
Local clock offset: -0.922 ms
Remote clock offset: -34.436 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.513 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

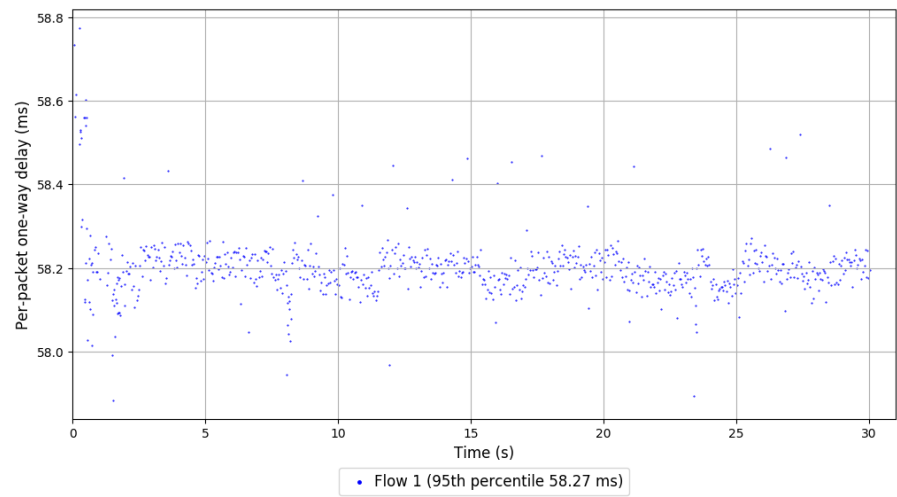
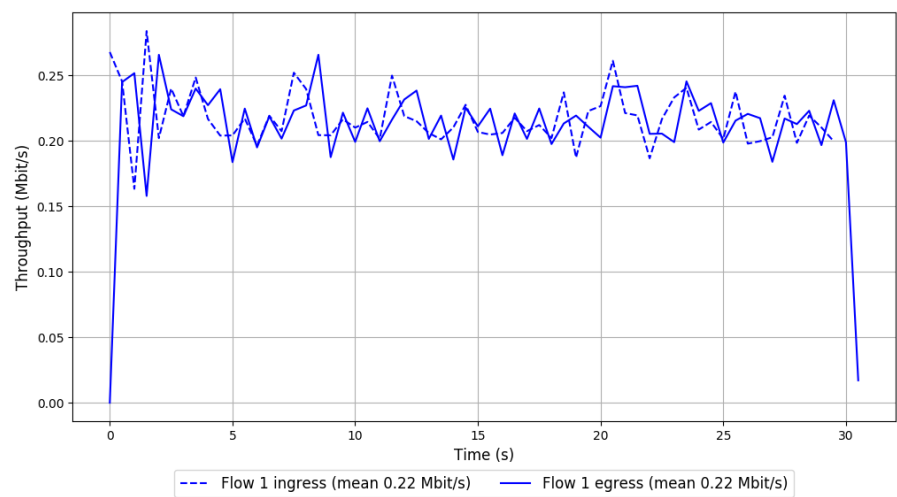


Run 8: Statistics of SCReAM

Start at: 2018-07-22 02:23:53
End at: 2018-07-22 02:24:23
Local clock offset: 0.605 ms
Remote clock offset: -37.576 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.268 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

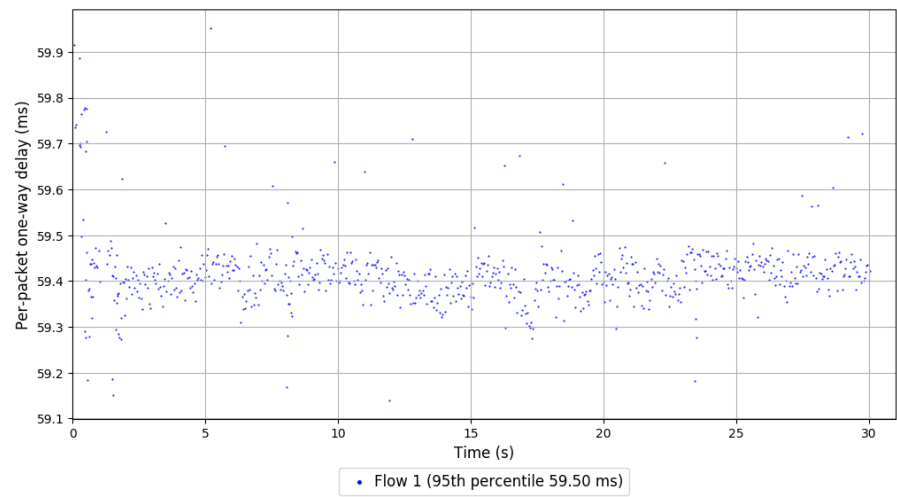
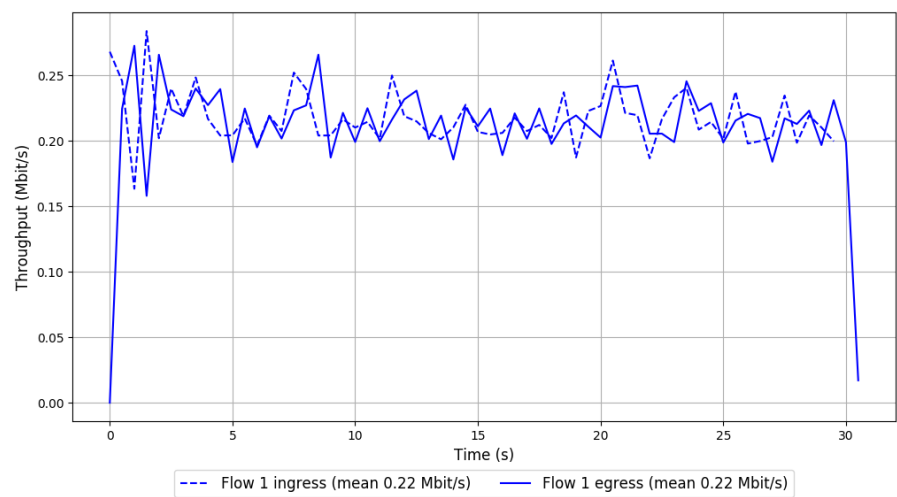


Run 9: Statistics of SCReAM

Start at: 2018-07-22 02:57:19
End at: 2018-07-22 02:57:49
Local clock offset: 1.08 ms
Remote clock offset: -34.493 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.497 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

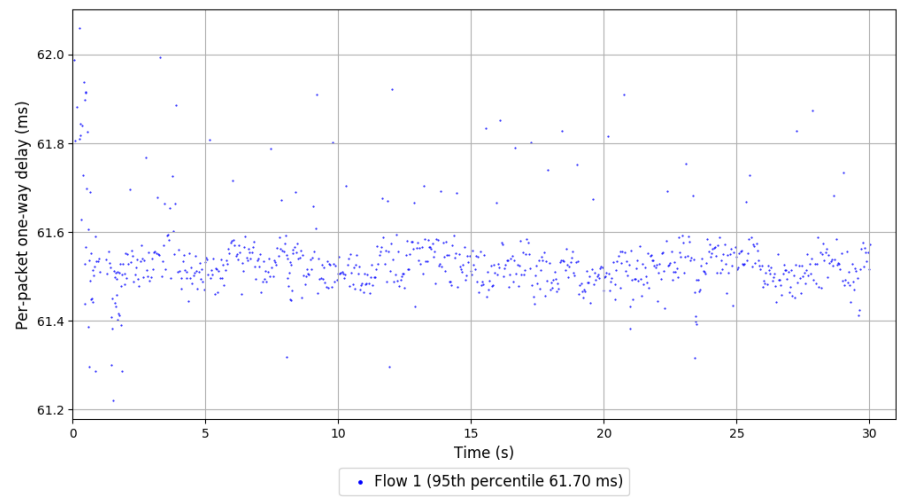
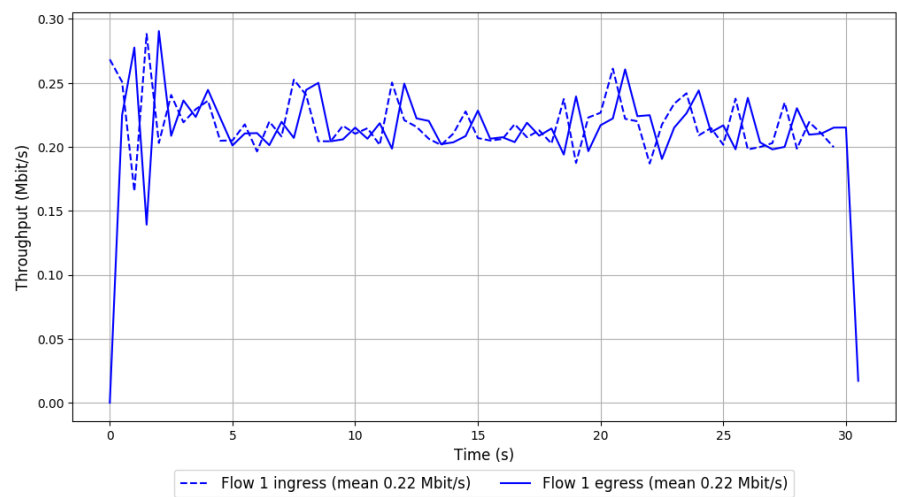


Run 10: Statistics of SReAM

Start at: 2018-07-22 03:19:19
End at: 2018-07-22 03:19:49
Local clock offset: -0.288 ms
Remote clock offset: -35.641 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.704 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

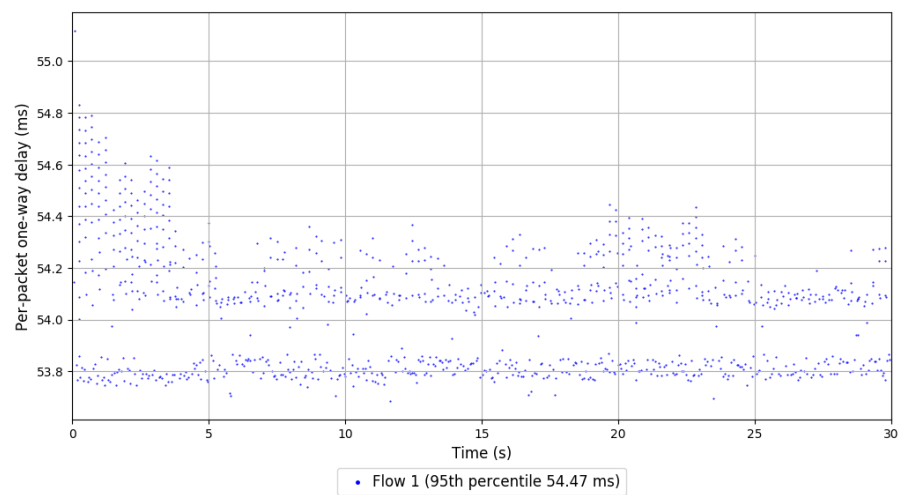
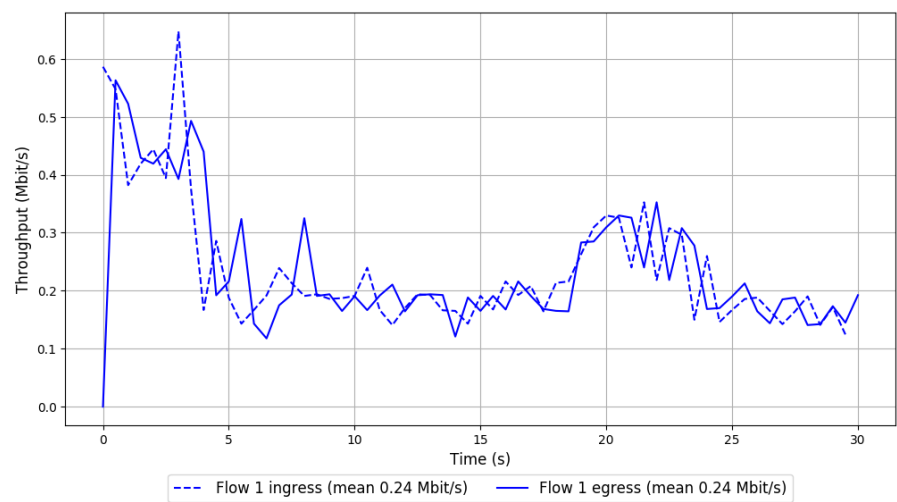


Run 1: Statistics of Sprout

Start at: 2018-07-21 22:59:06
End at: 2018-07-21 22:59:36
Local clock offset: 1.209 ms
Remote clock offset: -36.874 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 54.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 54.465 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

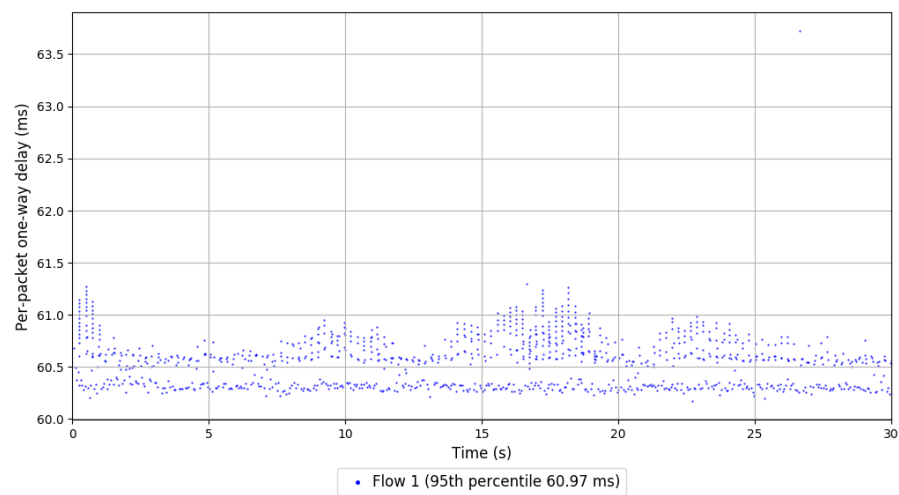
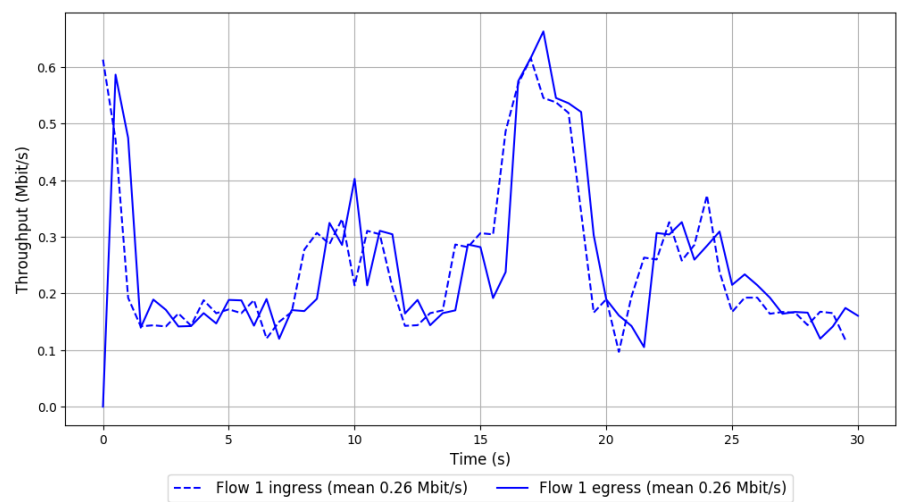


Run 2: Statistics of Sprout

Start at: 2018-07-21 23:38:05
End at: 2018-07-21 23:38:35
Local clock offset: -0.759 ms
Remote clock offset: -31.899 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 60.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 60.969 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

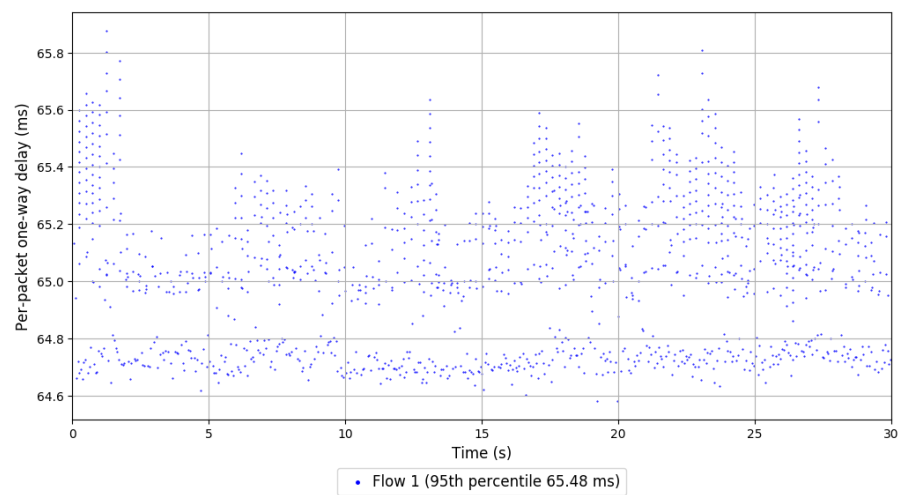
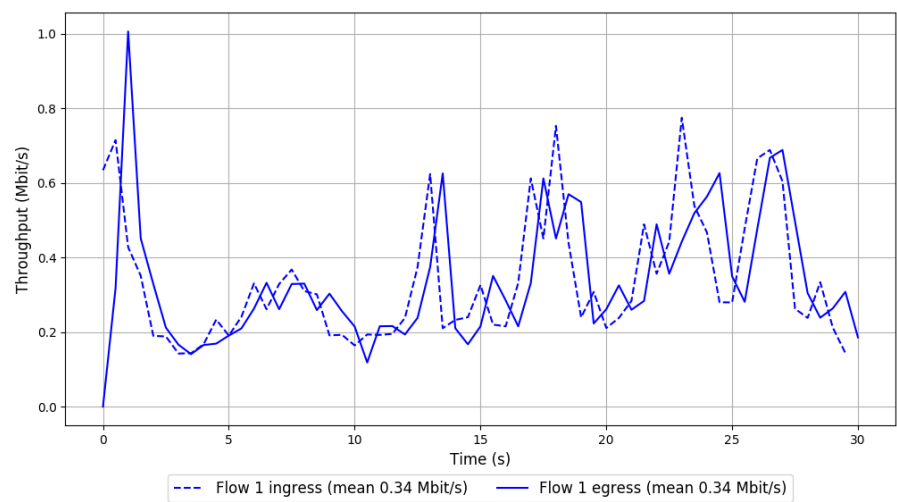


Run 3: Statistics of Sprout

Start at: 2018-07-22 00:11:43
End at: 2018-07-22 00:12:13
Local clock offset: -1.376 ms
Remote clock offset: -30.459 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 65.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 65.483 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

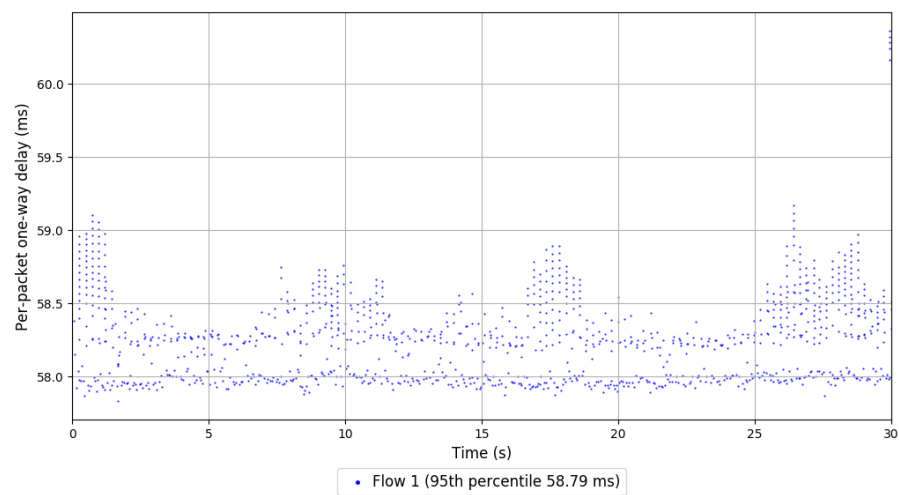
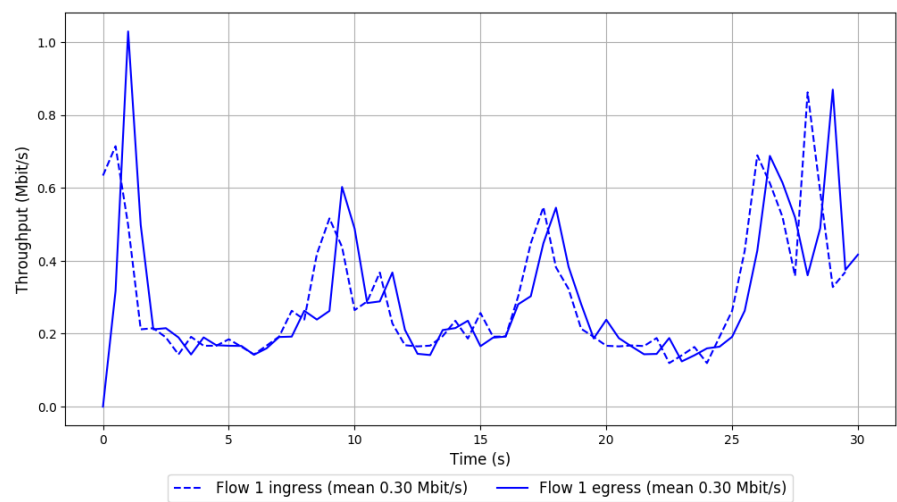


Run 4: Statistics of Sprout

Start at: 2018-07-22 00:34:10
End at: 2018-07-22 00:34:40
Local clock offset: 0.217 ms
Remote clock offset: -33.116 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 58.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 58.789 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

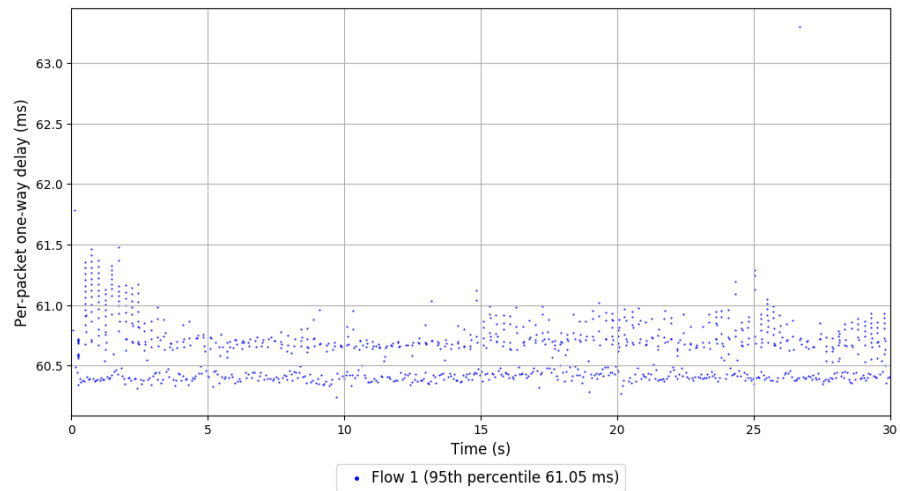
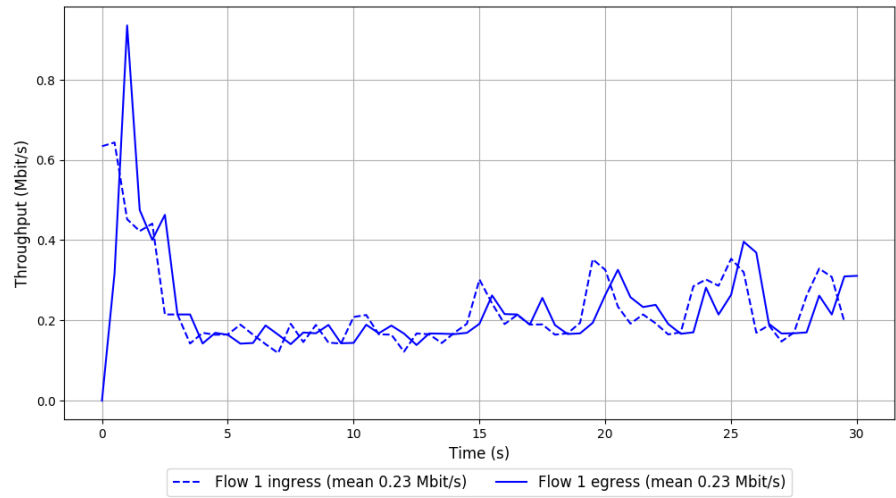


Run 5: Statistics of Sprout

Start at: 2018-07-22 00:56:18
End at: 2018-07-22 00:56:48
Local clock offset: -2.403 ms
Remote clock offset: -35.81 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 61.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 61.050 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

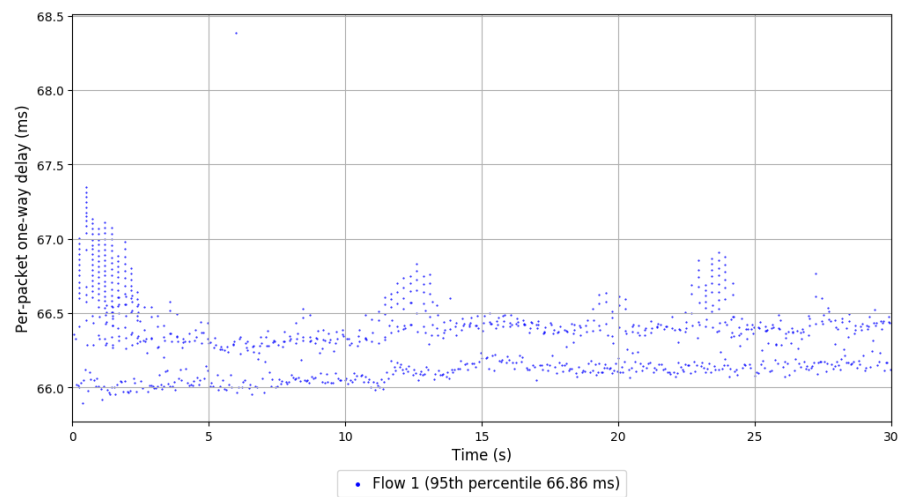
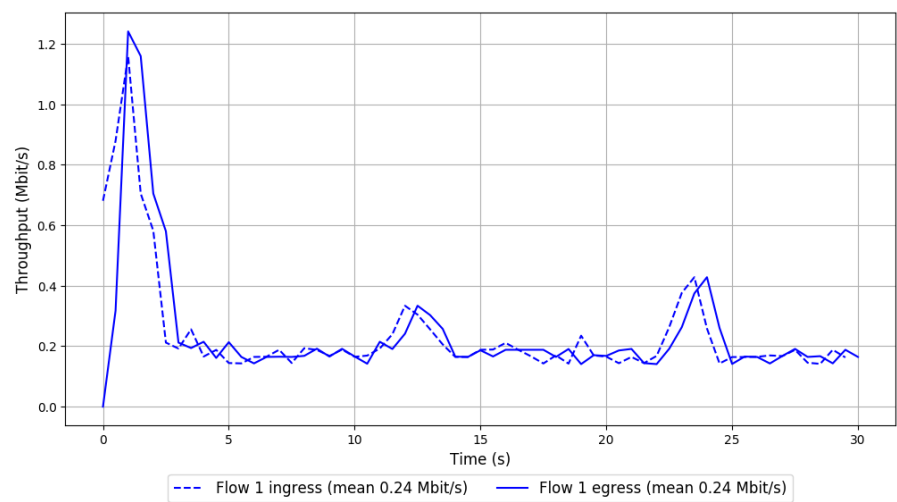


Run 6: Statistics of Sprout

Start at: 2018-07-22 01:18:23
End at: 2018-07-22 01:18:53
Local clock offset: -1.066 ms
Remote clock offset: -27.592 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 66.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 66.858 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

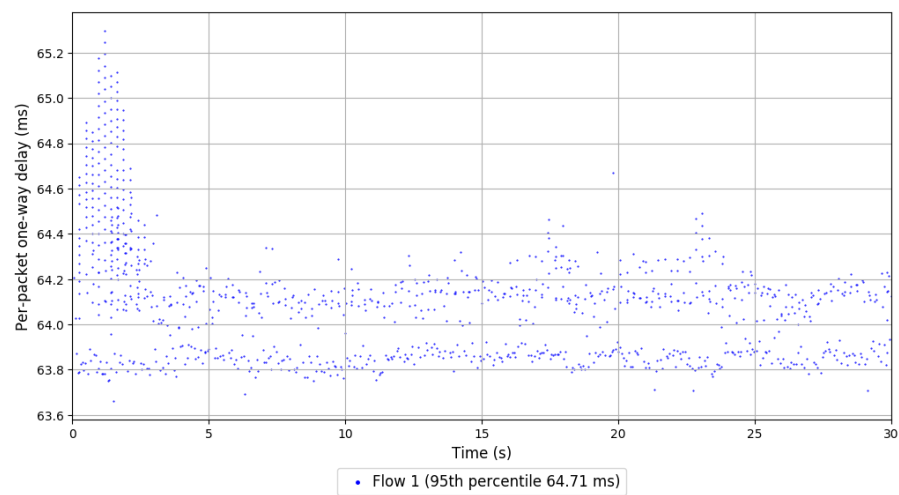
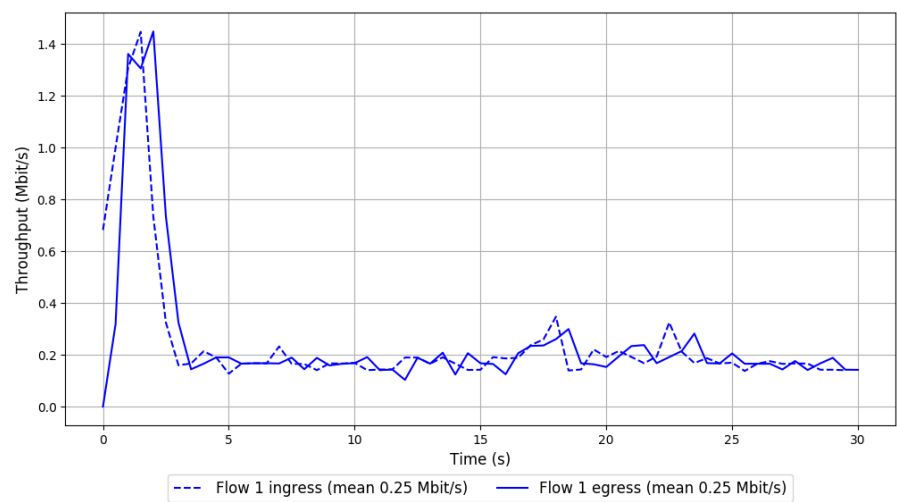


Run 7: Statistics of Sprout

Start at: 2018-07-22 01:55:43
End at: 2018-07-22 01:56:13
Local clock offset: -1.696 ms
Remote clock offset: -32.942 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 64.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 64.706 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

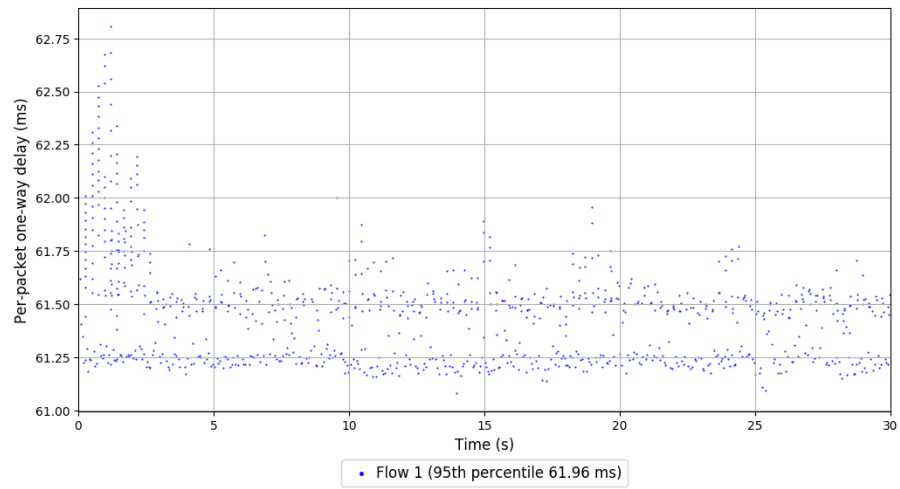
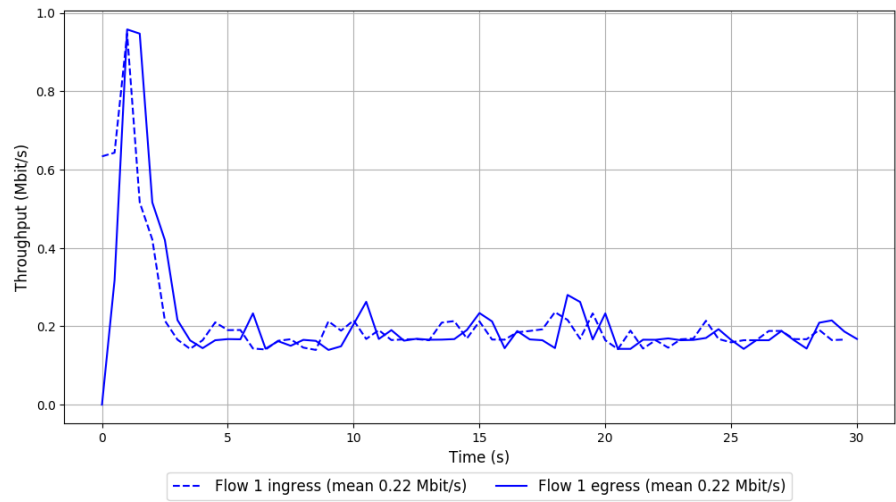


Run 8: Statistics of Sprout

Start at: 2018-07-22 02:29:08
End at: 2018-07-22 02:29:39
Local clock offset: 2.256 ms
Remote clock offset: -32.381 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.960 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

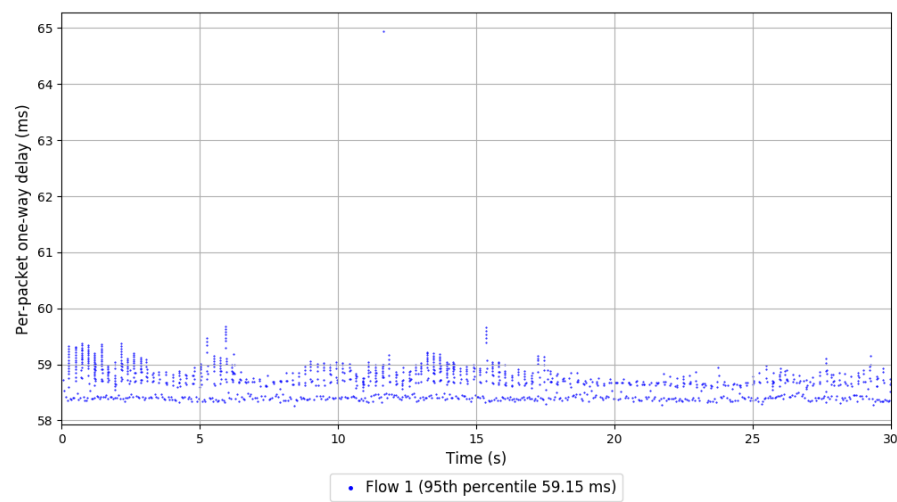
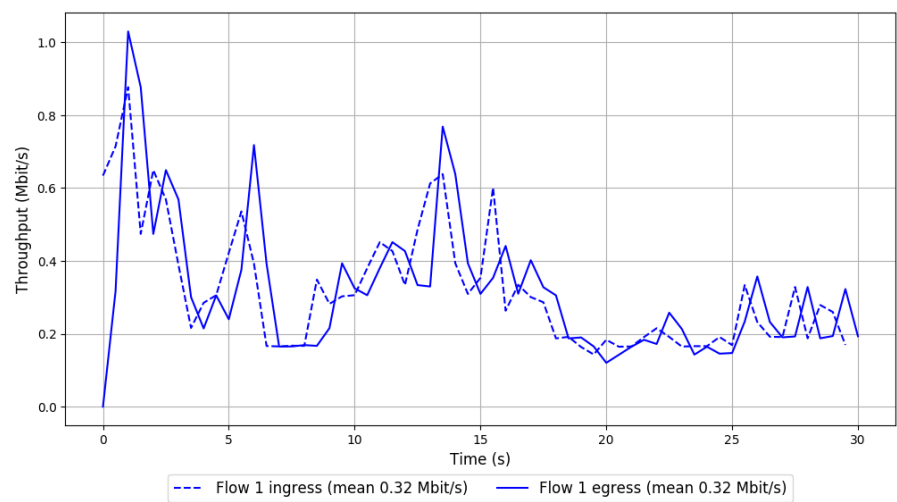


Run 9: Statistics of Sprout

Start at: 2018-07-22 03:02:34
End at: 2018-07-22 03:03:05
Local clock offset: -1.73 ms
Remote clock offset: -38.404 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 59.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 59.154 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

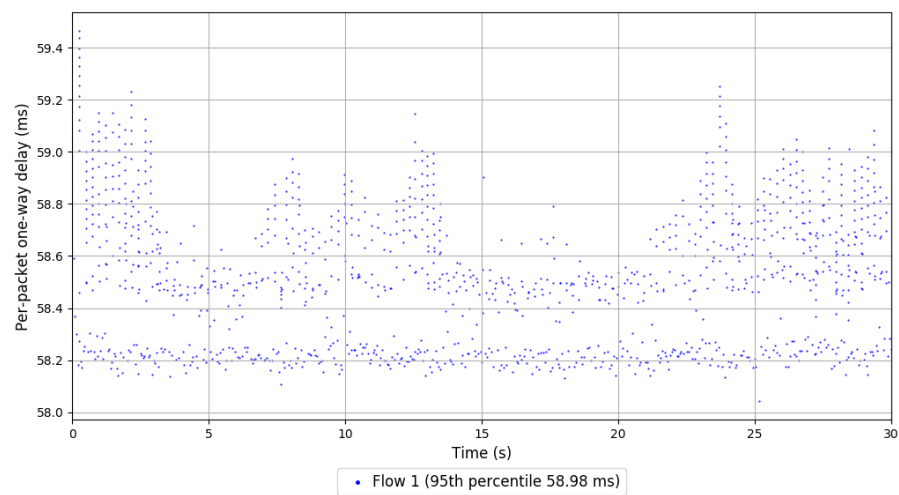
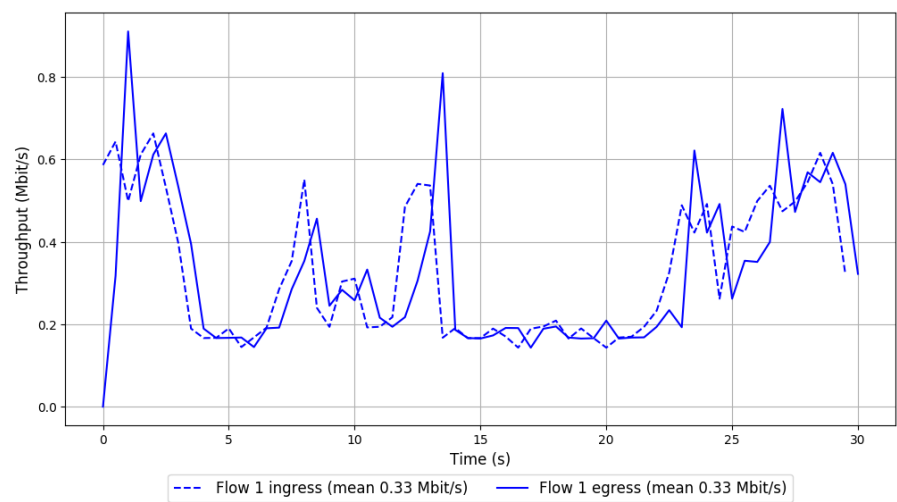


Run 10: Statistics of Sprout

Start at: 2018-07-22 03:24:34
End at: 2018-07-22 03:25:04
Local clock offset: -1.874 ms
Remote clock offset: -37.134 ms

Below is generated by plot.py at 2018-07-22 04:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 58.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 58.985 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

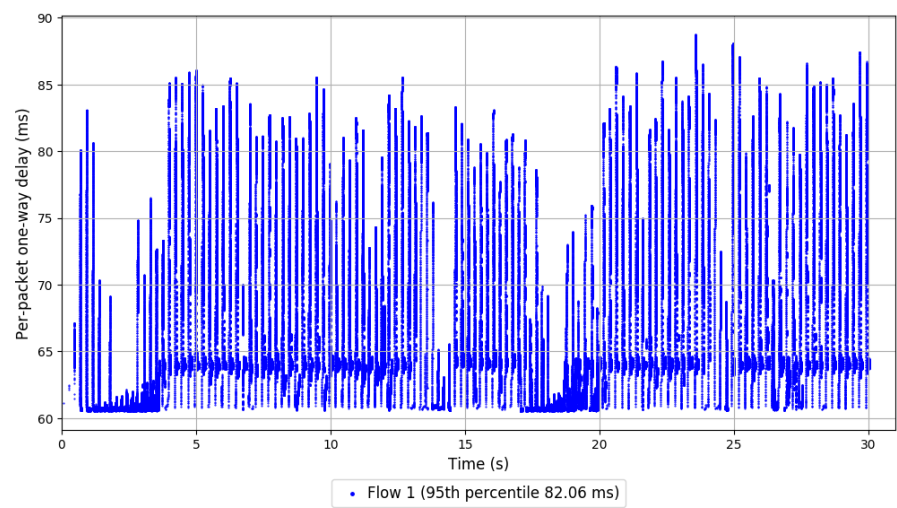
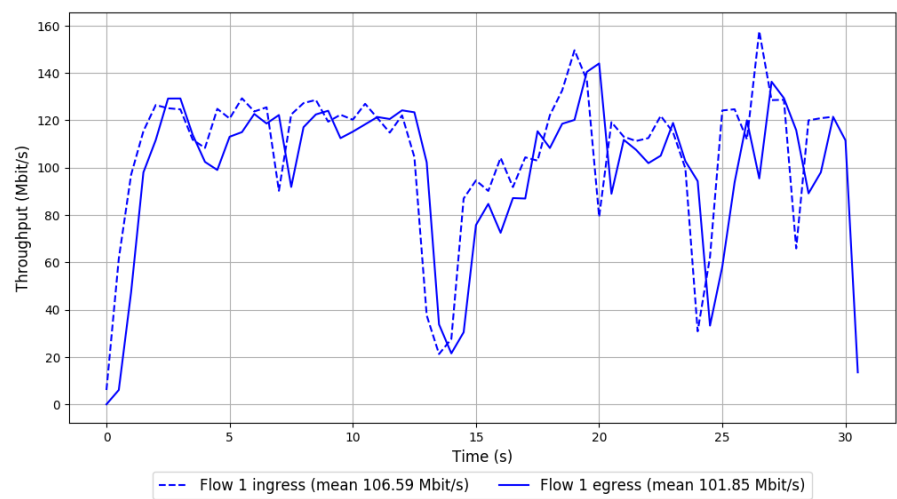


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-21 22:40:10
End at: 2018-07-21 22:40:40
Local clock offset: 2.237 ms
Remote clock offset: -31.565 ms

# Below is generated by plot.py at 2018-07-22 04:12:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 82.062 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 82.062 ms
Loss rate: 4.44%
```

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

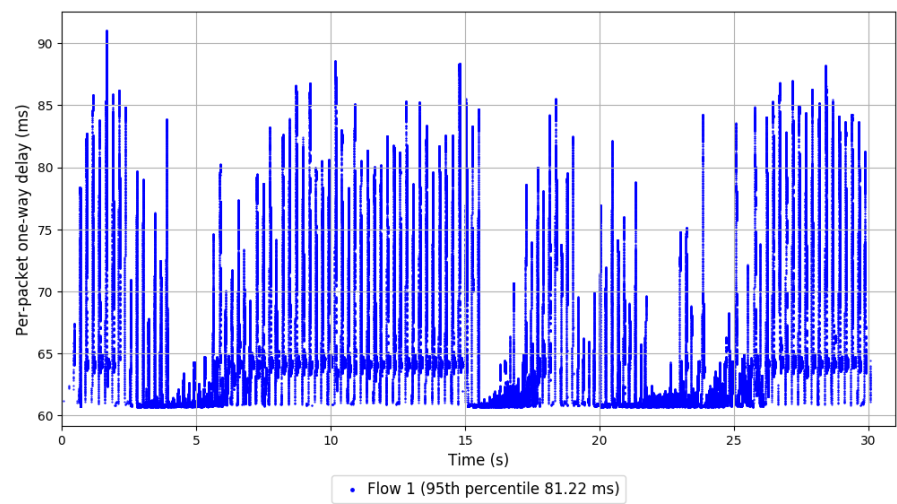
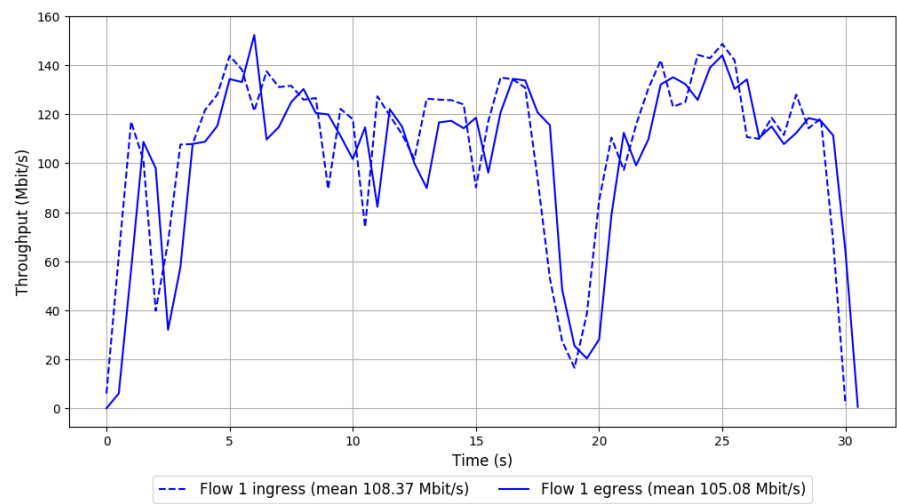


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-21 23:23:06
End at: 2018-07-21 23:23:36
Local clock offset: -0.017 ms
Remote clock offset: -31.052 ms

Below is generated by plot.py at 2018-07-22 04:12:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.08 Mbit/s
95th percentile per-packet one-way delay: 81.220 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 105.08 Mbit/s
95th percentile per-packet one-way delay: 81.220 ms
Loss rate: 3.03%

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

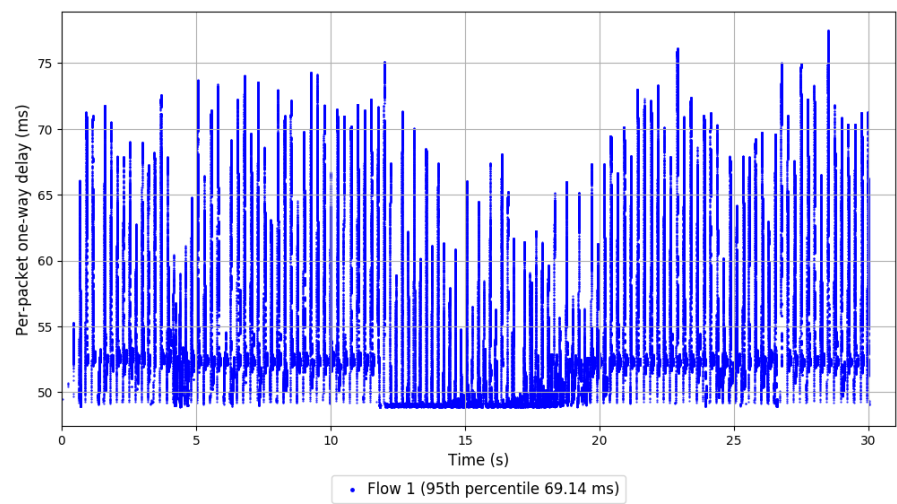
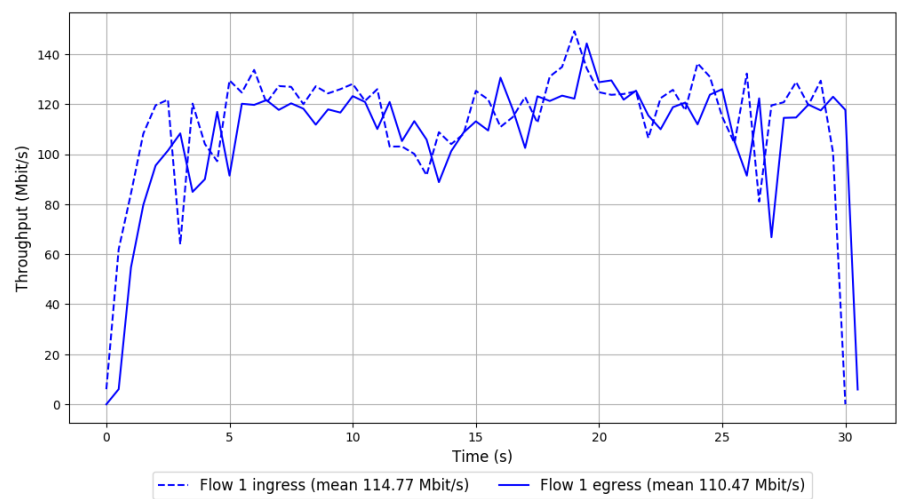


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-21 23:56:22
End at: 2018-07-21 23:56:53
Local clock offset: 1.471 ms
Remote clock offset: -41.136 ms

Below is generated by plot.py at 2018-07-22 04:12:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.47 Mbit/s
95th percentile per-packet one-way delay: 69.136 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 110.47 Mbit/s
95th percentile per-packet one-way delay: 69.136 ms
Loss rate: 3.74%

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

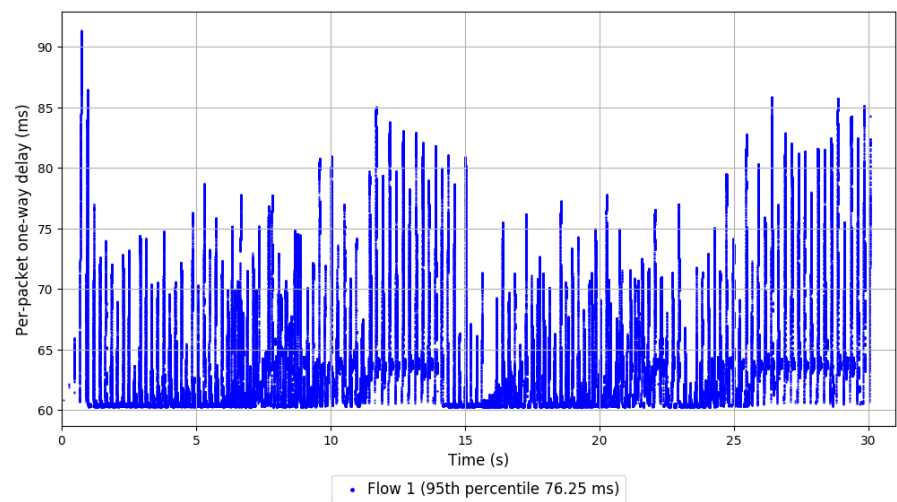
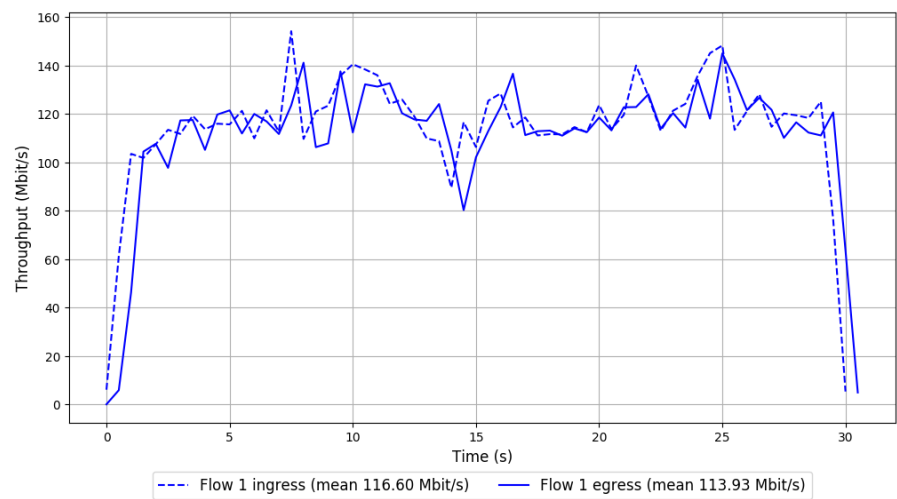


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-22 00:24:52
End at: 2018-07-22 00:25:22
Local clock offset: -1.289 ms
Remote clock offset: -34.834 ms

Below is generated by plot.py at 2018-07-22 04:12:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.93 Mbit/s
95th percentile per-packet one-way delay: 76.246 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 113.93 Mbit/s
95th percentile per-packet one-way delay: 76.246 ms
Loss rate: 2.28%

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

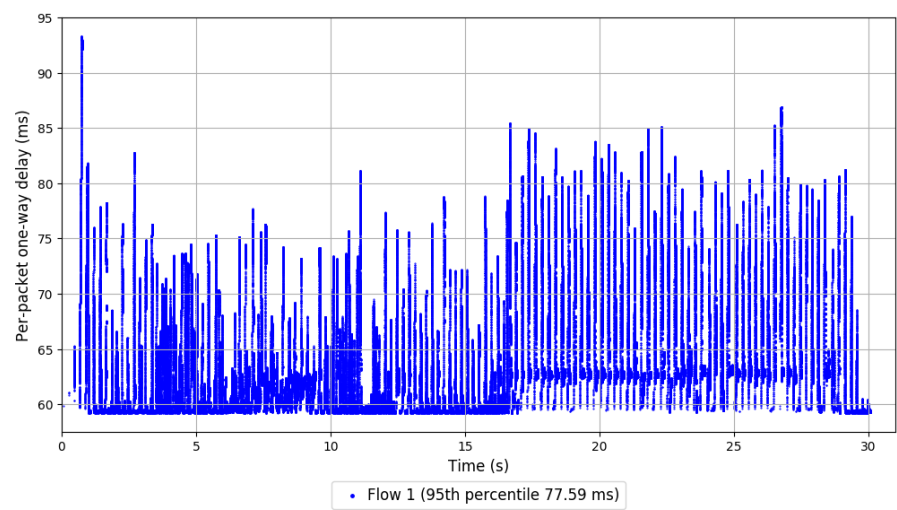
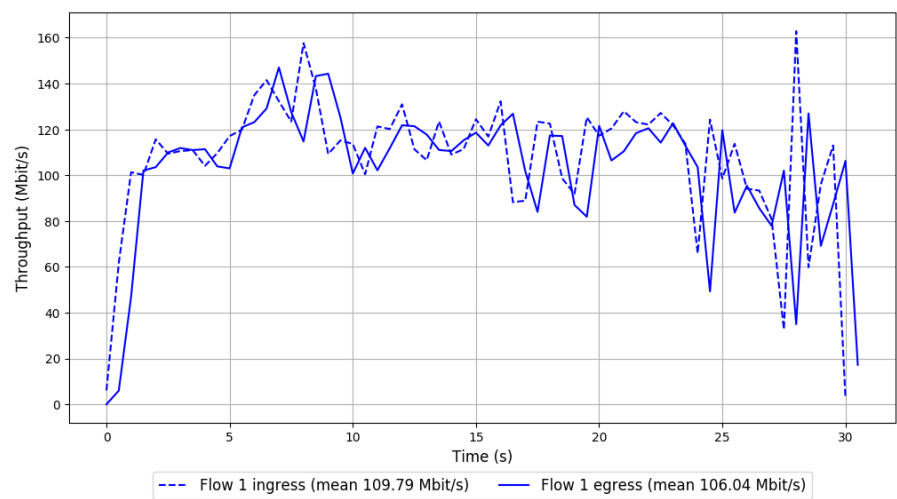


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-22 00:46:59
End at: 2018-07-22 00:47:29
Local clock offset: 1.244 ms
Remote clock offset: -33.409 ms

Below is generated by plot.py at 2018-07-22 04:12:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.04 Mbit/s
95th percentile per-packet one-way delay: 77.593 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 106.04 Mbit/s
95th percentile per-packet one-way delay: 77.593 ms
Loss rate: 3.43%

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

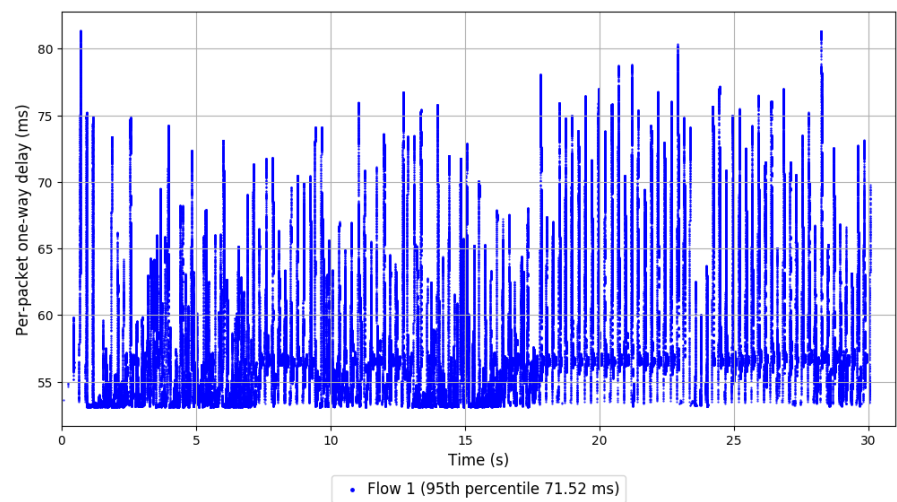
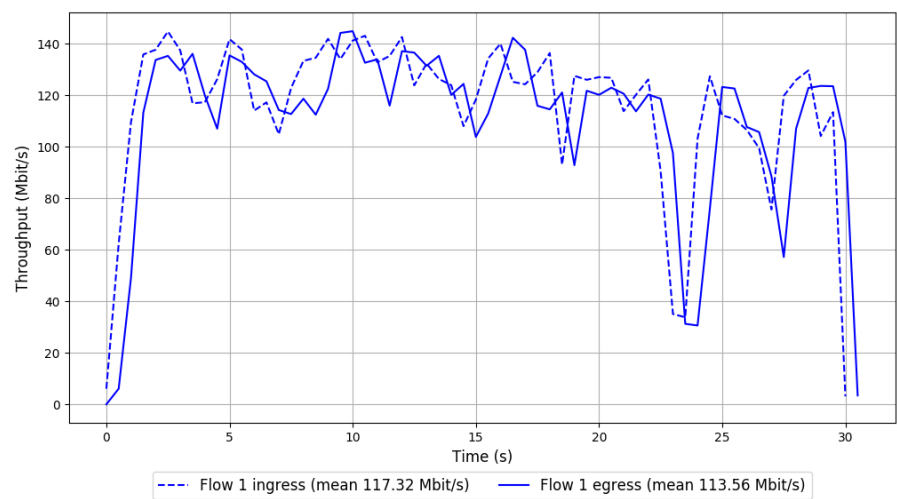


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-22 01:09:05
End at: 2018-07-22 01:09:35
Local clock offset: 0.506 ms
Remote clock offset: -38.415 ms

Below is generated by plot.py at 2018-07-22 04:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 71.522 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 71.522 ms
Loss rate: 3.20%

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

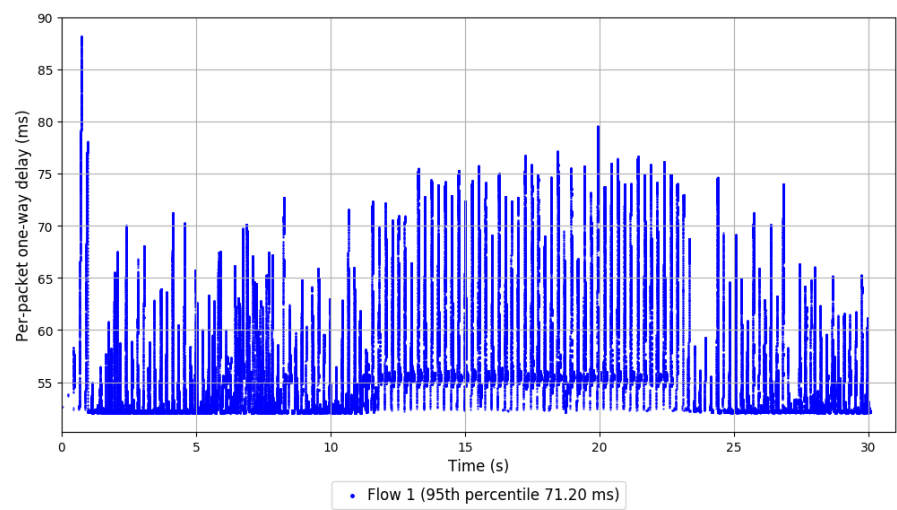
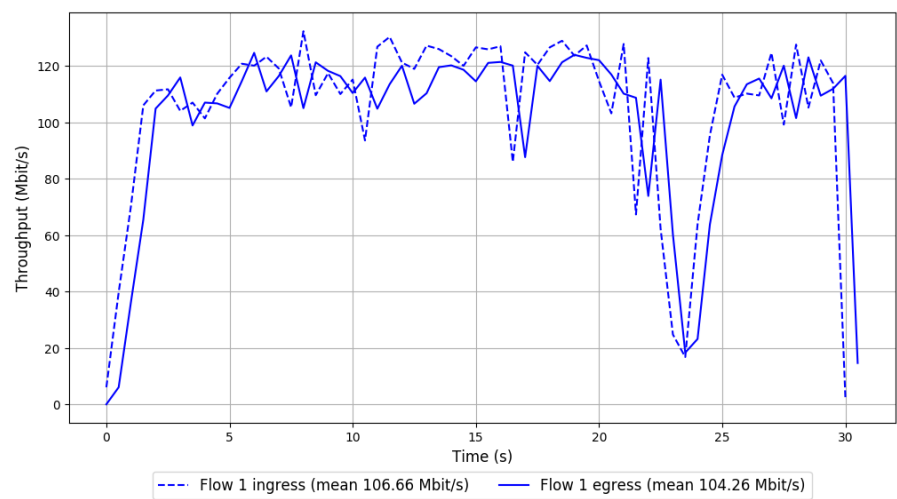


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-22 01:31:11
End at: 2018-07-22 01:31:41
Local clock offset: 0.953 ms
Remote clock offset: -43.077 ms

Below is generated by plot.py at 2018-07-22 04:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.26 Mbit/s
95th percentile per-packet one-way delay: 71.201 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 104.26 Mbit/s
95th percentile per-packet one-way delay: 71.201 ms
Loss rate: 2.26%

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

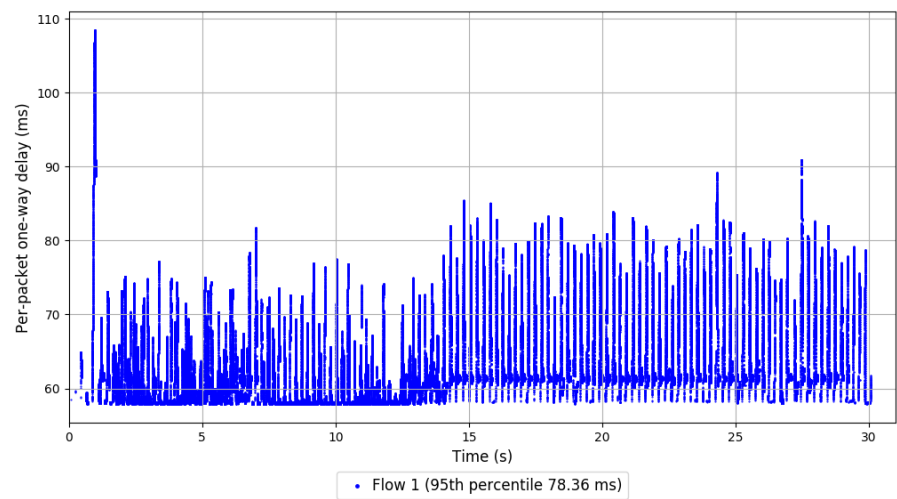
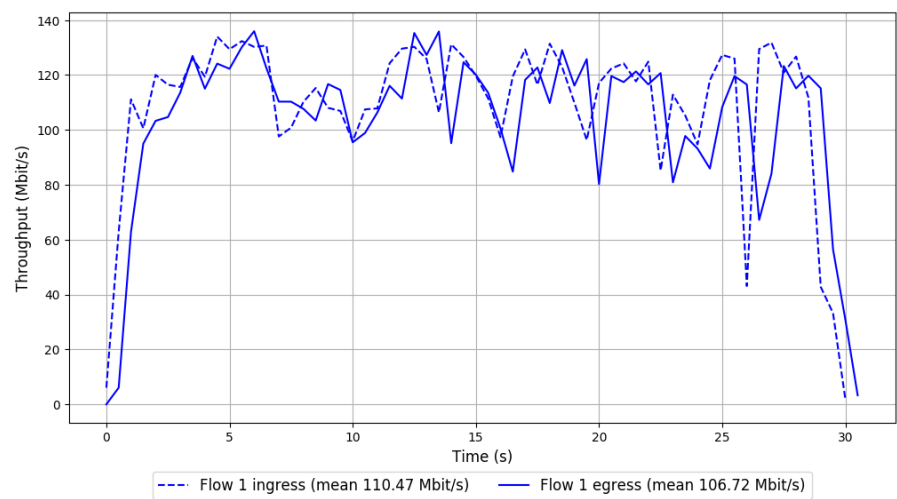


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-22 02:14:16
End at: 2018-07-22 02:14:46
Local clock offset: -0.903 ms
Remote clock offset: -38.945 ms

Below is generated by plot.py at 2018-07-22 04:14:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 78.357 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 78.357 ms
Loss rate: 3.40%

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

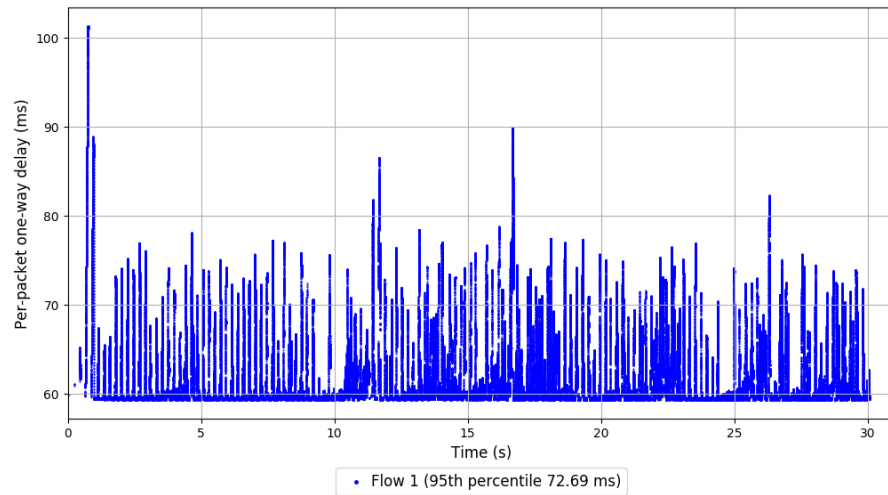
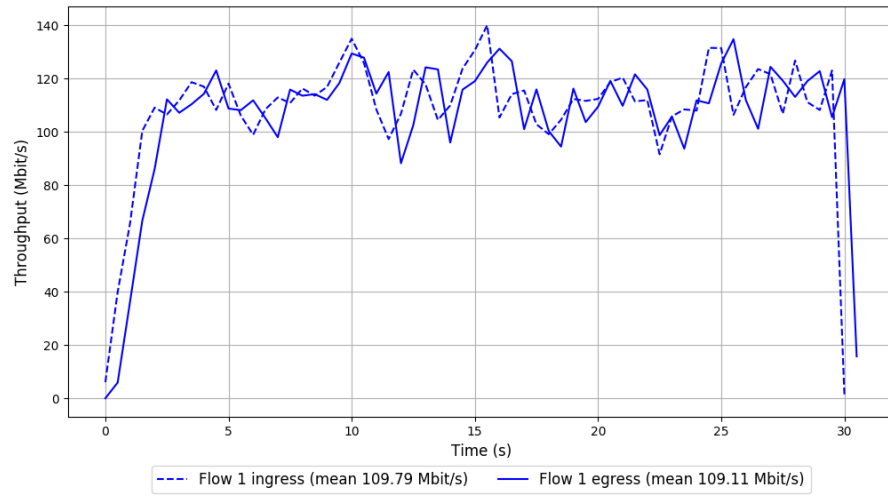


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-22 02:47:35
End at: 2018-07-22 02:48:05
Local clock offset: 1.232 ms
Remote clock offset: -37.123 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.11 Mbit/s
95th percentile per-packet one-way delay: 72.690 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 109.11 Mbit/s
95th percentile per-packet one-way delay: 72.690 ms
Loss rate: 0.63%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-22 03:15:19

End at: 2018-07-22 03:15:49

Local clock offset: -1.244 ms

Remote clock offset: -28.975 ms

Below is generated by plot.py at 2018-07-22 04:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.24 Mbit/s

95th percentile per-packet one-way delay: 85.562 ms

Loss rate: 3.89%

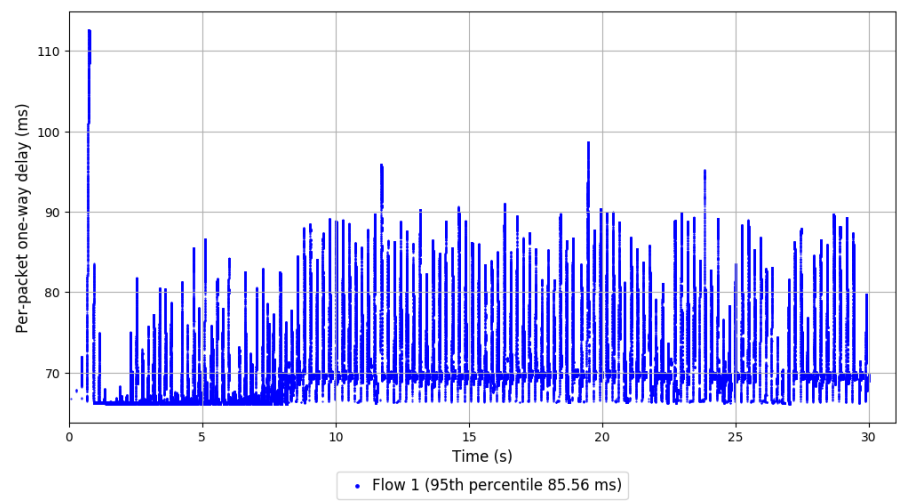
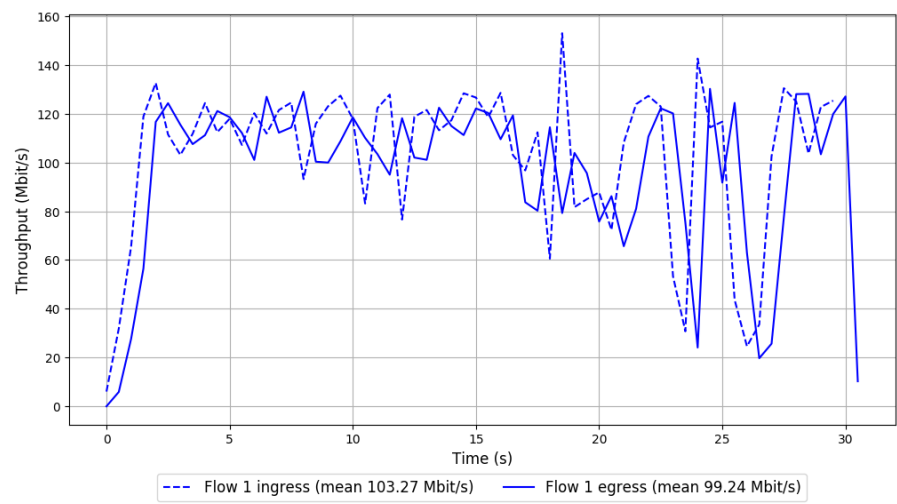
-- Flow 1:

Average throughput: 99.24 Mbit/s

95th percentile per-packet one-way delay: 85.562 ms

Loss rate: 3.89%

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

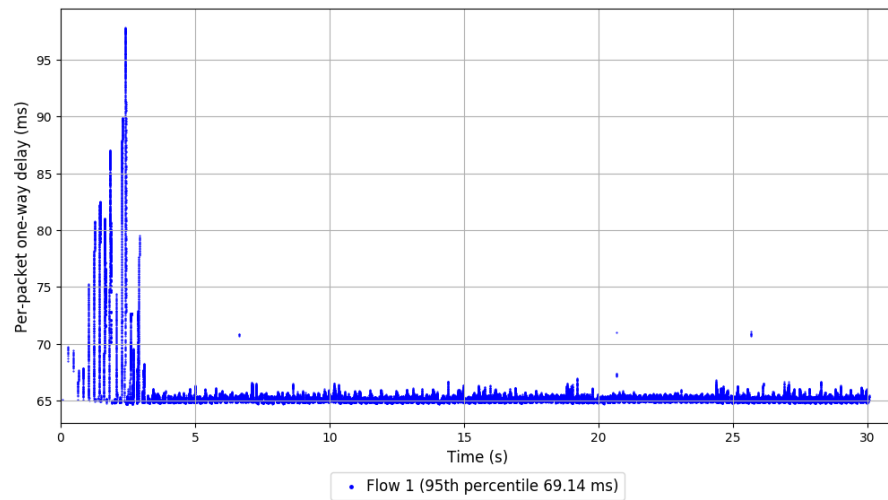
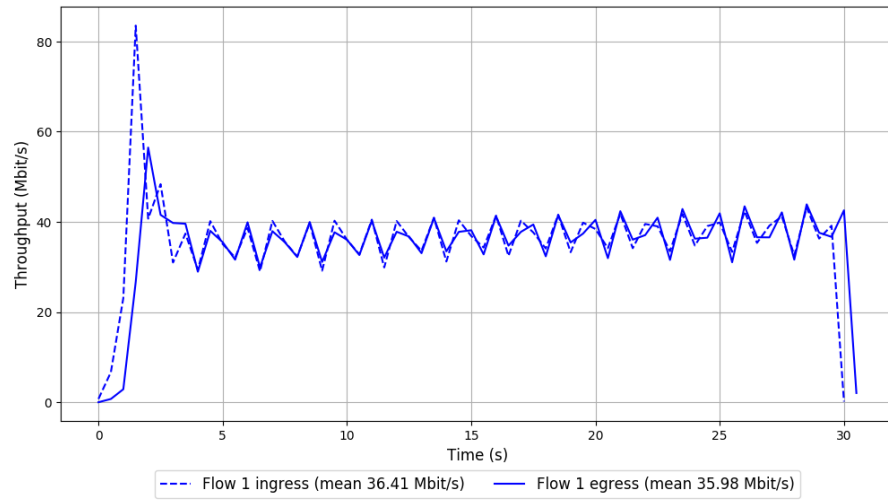


Run 1: Statistics of TCP Vegas

Start at: 2018-07-21 22:29:15
End at: 2018-07-21 22:29:45
Local clock offset: 0.216 ms
Remote clock offset: -26.868 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 1.20%

Run 1: Report of TCP Vegas — Data Link

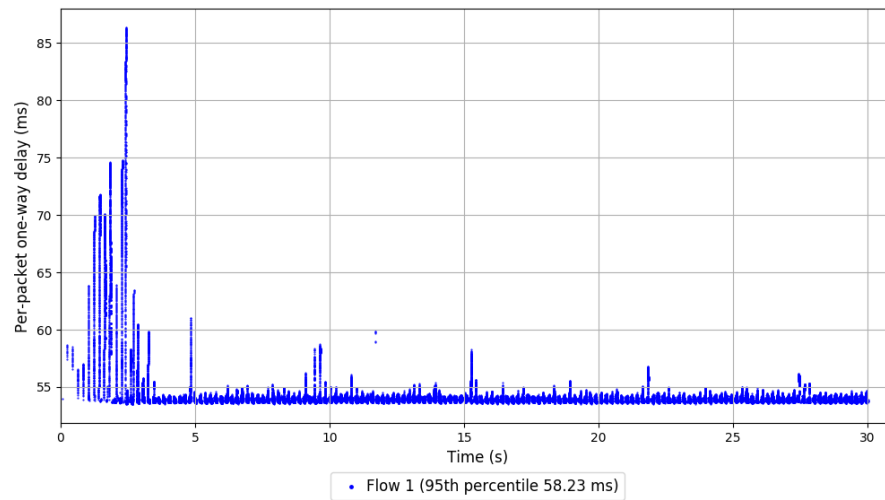
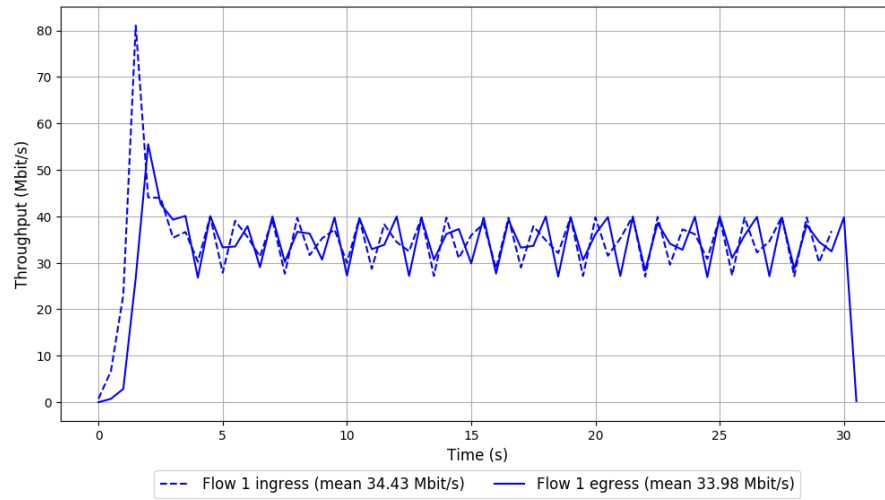


Run 2: Statistics of TCP Vegas

Start at: 2018-07-21 23:12:14
End at: 2018-07-21 23:12:44
Local clock offset: 2.556 ms
Remote clock offset: -35.856 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 58.228 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 58.228 ms
Loss rate: 1.31%

Run 2: Report of TCP Vegas — Data Link

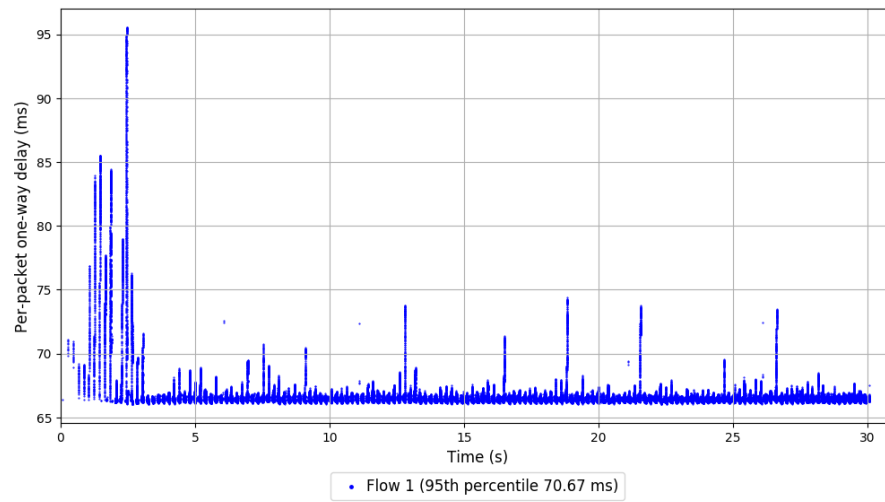
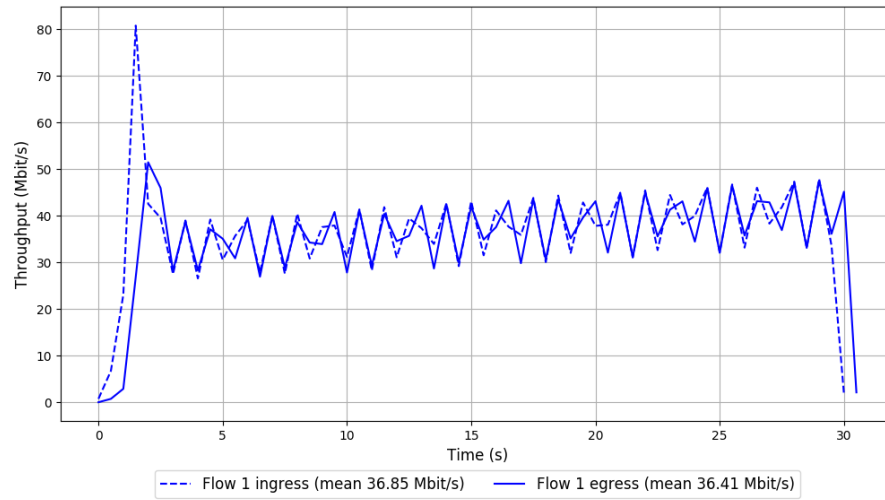


Run 3: Statistics of TCP Vegas

Start at: 2018-07-21 23:51:04
End at: 2018-07-21 23:51:34
Local clock offset: -0.531 ms
Remote clock offset: -28.53 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 70.670 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 70.670 ms
Loss rate: 1.19%

Run 3: Report of TCP Vegas — Data Link

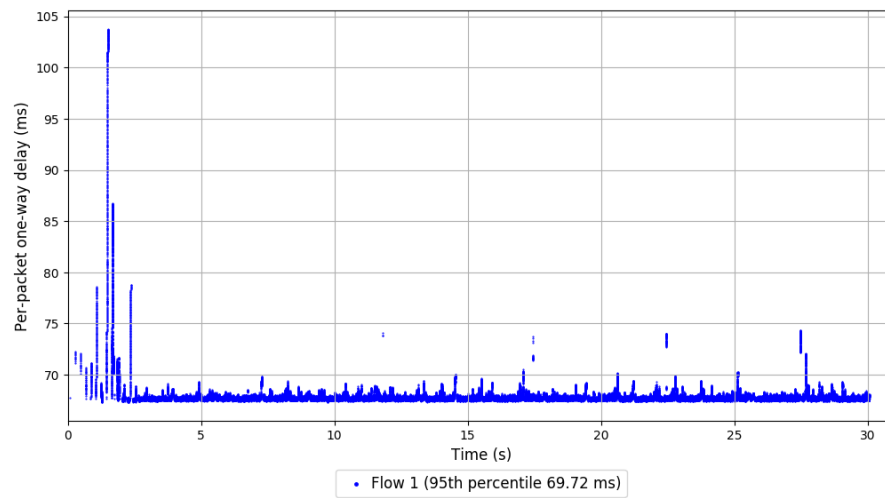
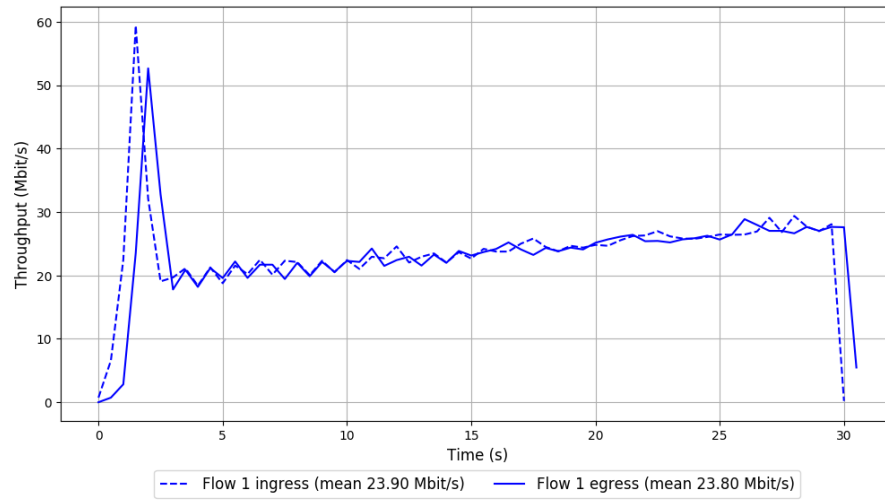


Run 4: Statistics of TCP Vegas

Start at: 2018-07-22 00:19:18
End at: 2018-07-22 00:19:48
Local clock offset: -1.589 ms
Remote clock offset: -27.963 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 69.724 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 69.724 ms
Loss rate: 0.45%

Run 4: Report of TCP Vegas — Data Link

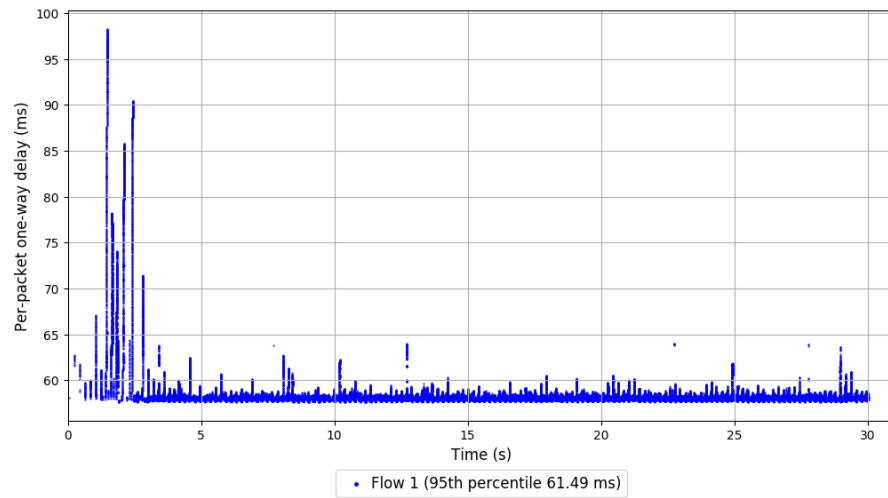
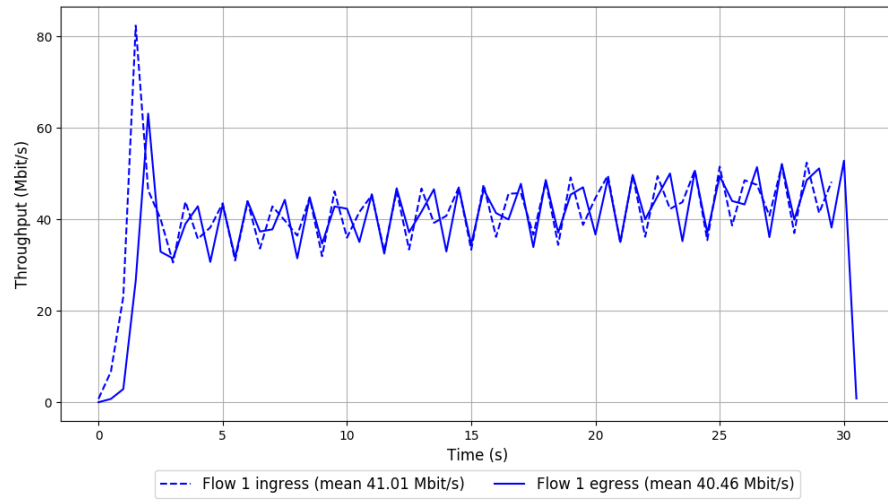


Run 5: Statistics of TCP Vegas

Start at: 2018-07-22 00:41:41
End at: 2018-07-22 00:42:11
Local clock offset: 0.347 ms
Remote clock offset: -33.465 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 1.34%

Run 5: Report of TCP Vegas — Data Link

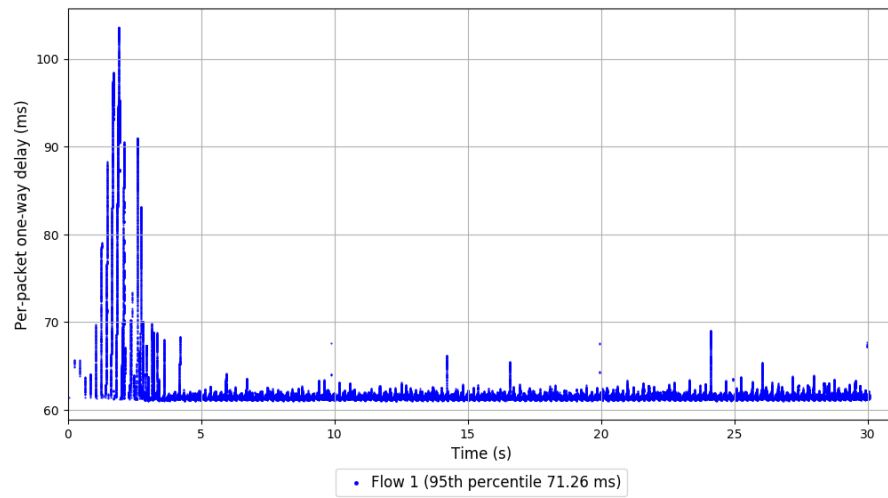
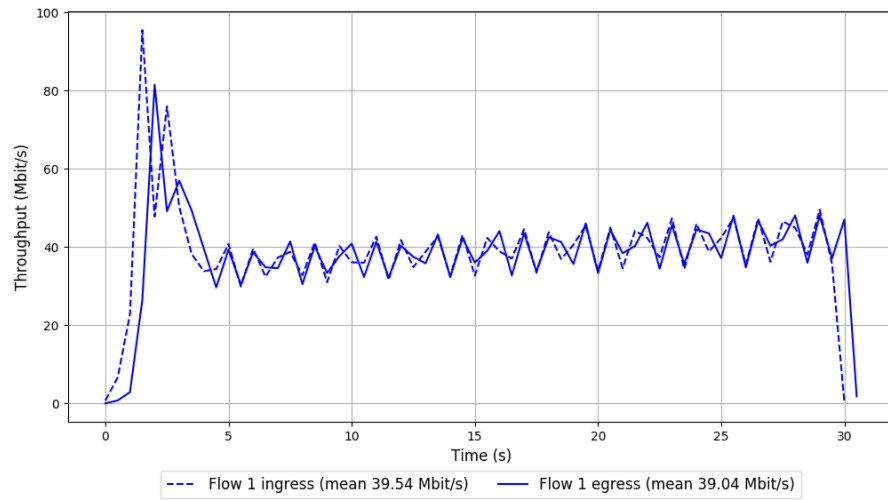


Run 6: Statistics of TCP Vegas

Start at: 2018-07-22 01:03:47
End at: 2018-07-22 01:04:17
Local clock offset: -0.223 ms
Remote clock offset: -30.715 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 71.264 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 71.264 ms
Loss rate: 1.28%

Run 6: Report of TCP Vegas — Data Link

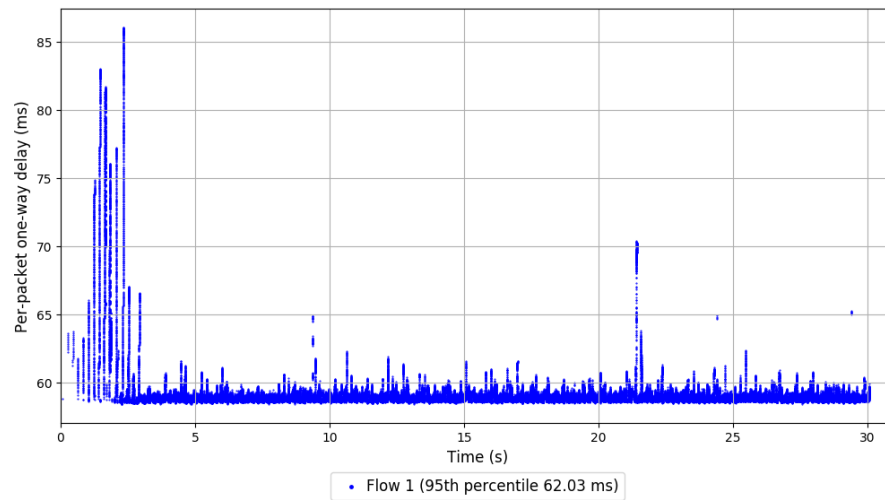
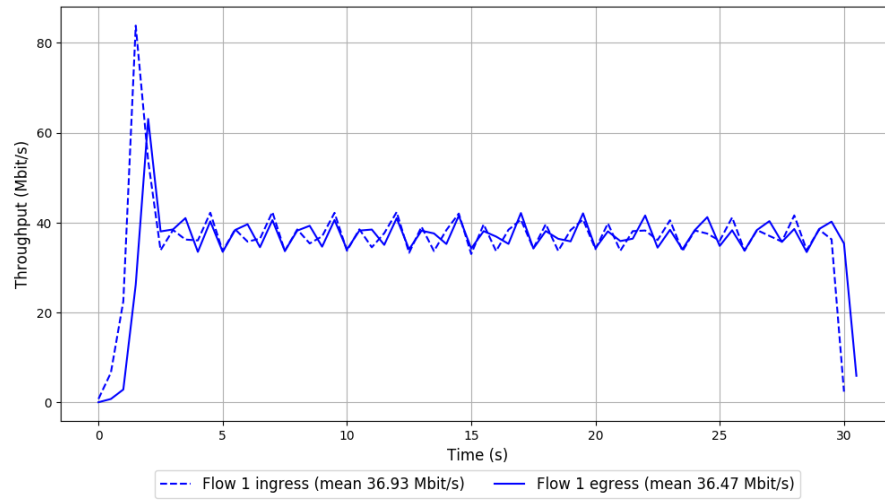


Run 7: Statistics of TCP Vegas

Start at: 2018-07-22 01:25:55
End at: 2018-07-22 01:26:25
Local clock offset: 0.13 ms
Remote clock offset: -35.012 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 62.035 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 62.035 ms
Loss rate: 1.23%

Run 7: Report of TCP Vegas — Data Link

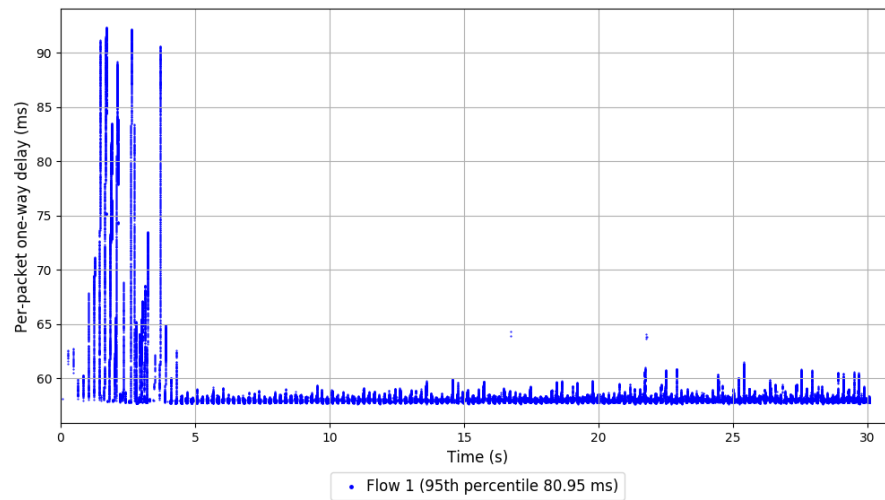
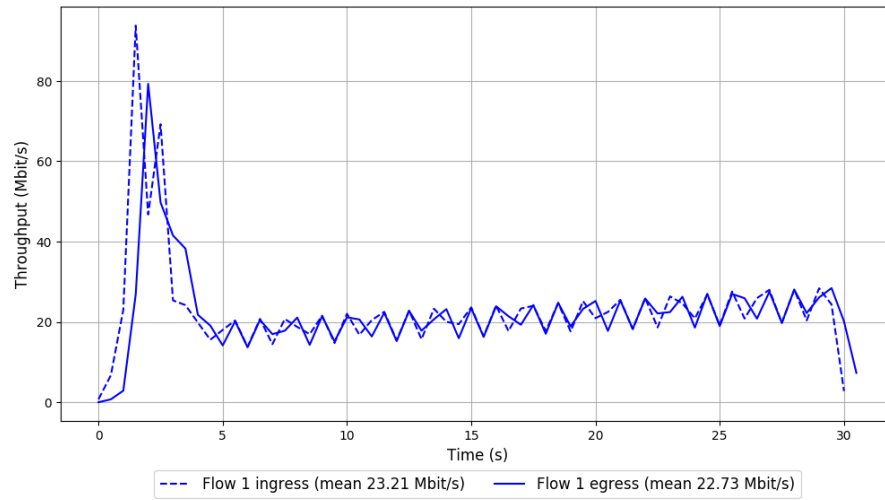


Run 8: Statistics of TCP Vegas

Start at: 2018-07-22 02:03:20
End at: 2018-07-22 02:03:50
Local clock offset: -1.222 ms
Remote clock offset: -39.405 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 80.955 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 80.955 ms
Loss rate: 2.06%

Run 8: Report of TCP Vegas — Data Link

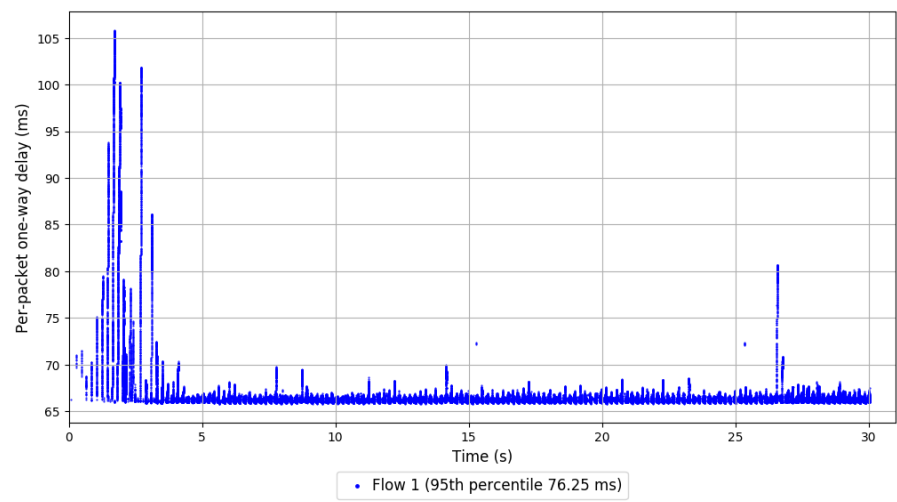
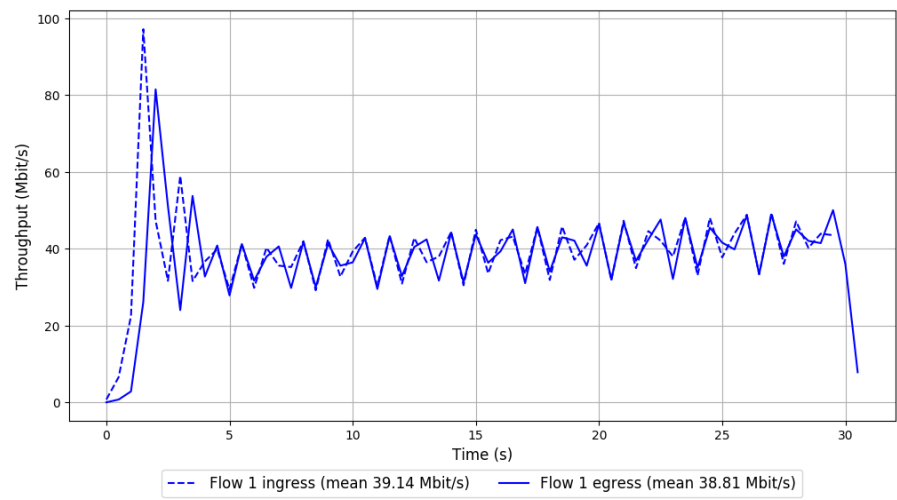


Run 9: Statistics of TCP Vegas

Start at: 2018-07-22 02:36:42
End at: 2018-07-22 02:37:12
Local clock offset: -0.942 ms
Remote clock offset: -30.535 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 76.255 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 76.255 ms
Loss rate: 0.83%

Run 9: Report of TCP Vegas — Data Link

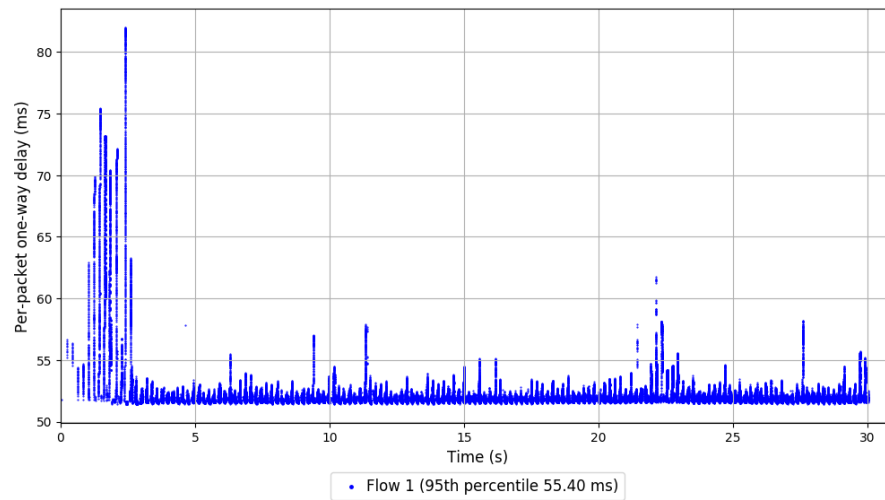
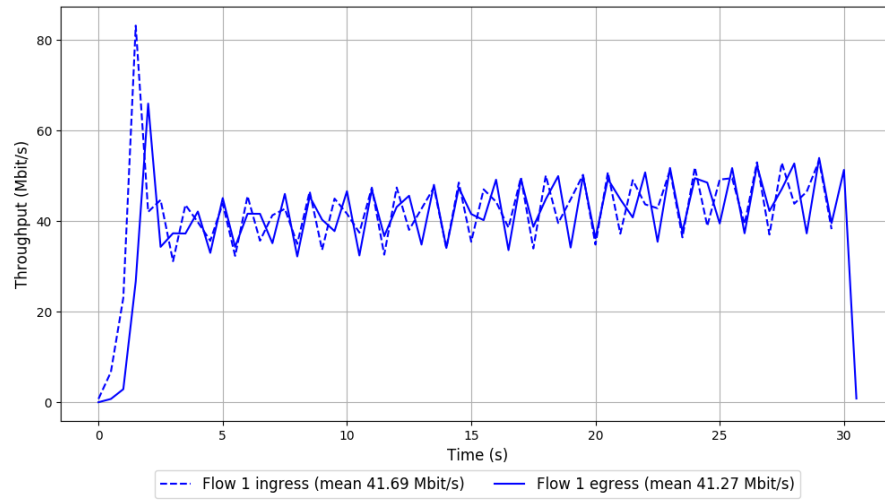


Run 10: Statistics of TCP Vegas

Start at: 2018-07-22 03:10:02
End at: 2018-07-22 03:10:32
Local clock offset: 1.612 ms
Remote clock offset: -41.072 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 55.403 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 55.403 ms
Loss rate: 1.00%

Run 10: Report of TCP Vegas — Data Link

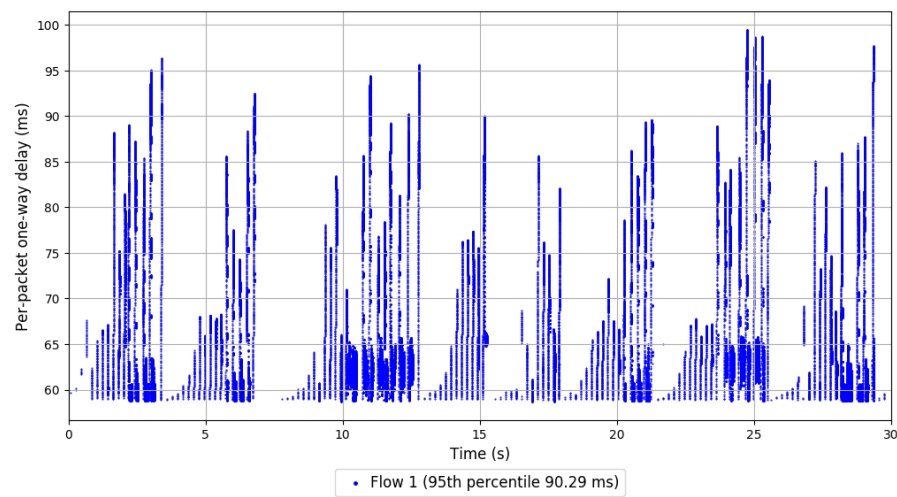
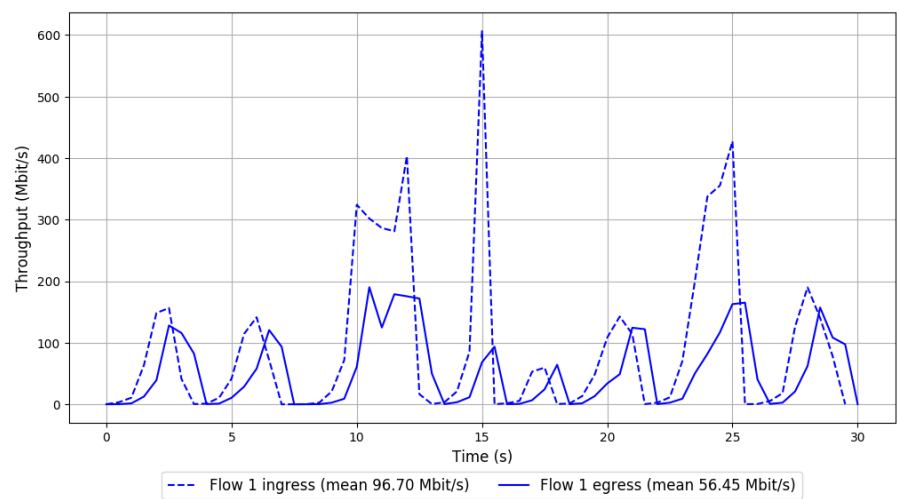


Run 1: Statistics of Verus

Start at: 2018-07-21 22:26:44
End at: 2018-07-21 22:27:14
Local clock offset: 1.618 ms
Remote clock offset: -31.431 ms

Below is generated by plot.py at 2018-07-22 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 90.289 ms
Loss rate: 41.63%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 90.289 ms
Loss rate: 41.63%

Run 1: Report of Verus — Data Link

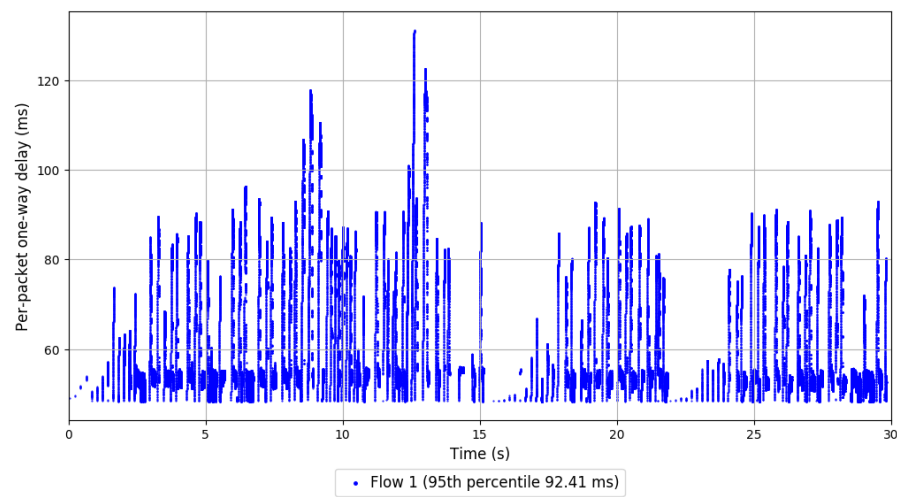
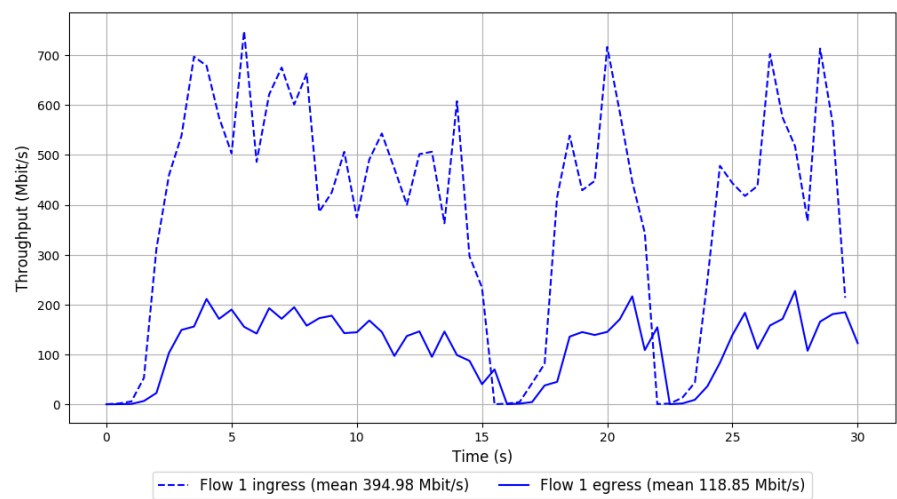


Run 2: Statistics of Verus

Start at: 2018-07-21 23:04:02
End at: 2018-07-21 23:04:32
Local clock offset: 2.5 ms
Remote clock offset: -41.339 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.85 Mbit/s
95th percentile per-packet one-way delay: 92.410 ms
Loss rate: 69.91%
-- Flow 1:
Average throughput: 118.85 Mbit/s
95th percentile per-packet one-way delay: 92.410 ms
Loss rate: 69.91%

Run 2: Report of Verus — Data Link

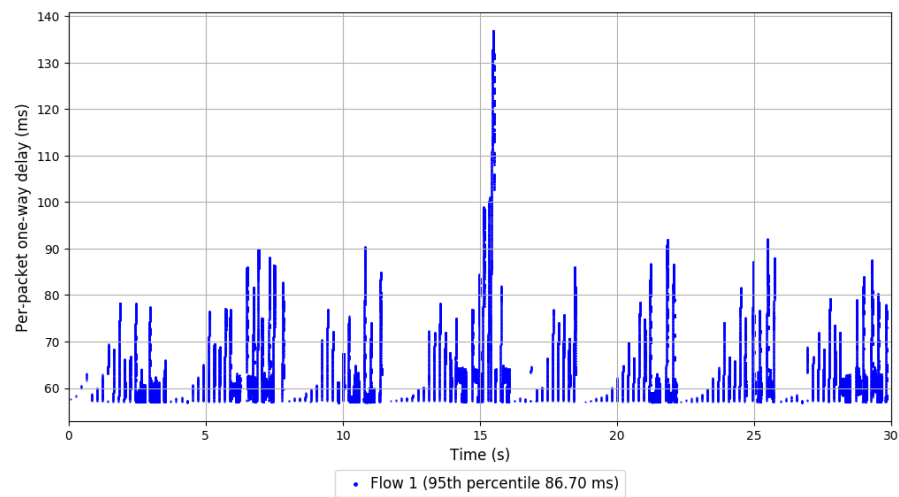
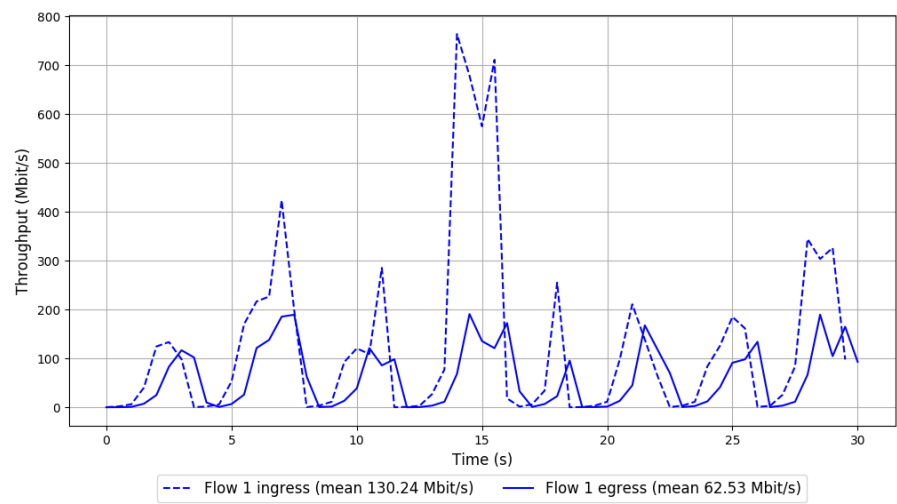


Run 3: Statistics of Verus

Start at: 2018-07-21 23:48:33
End at: 2018-07-21 23:49:03
Local clock offset: 1.614 ms
Remote clock offset: -35.765 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 51.99%
-- Flow 1:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 51.99%

Run 3: Report of Verus — Data Link

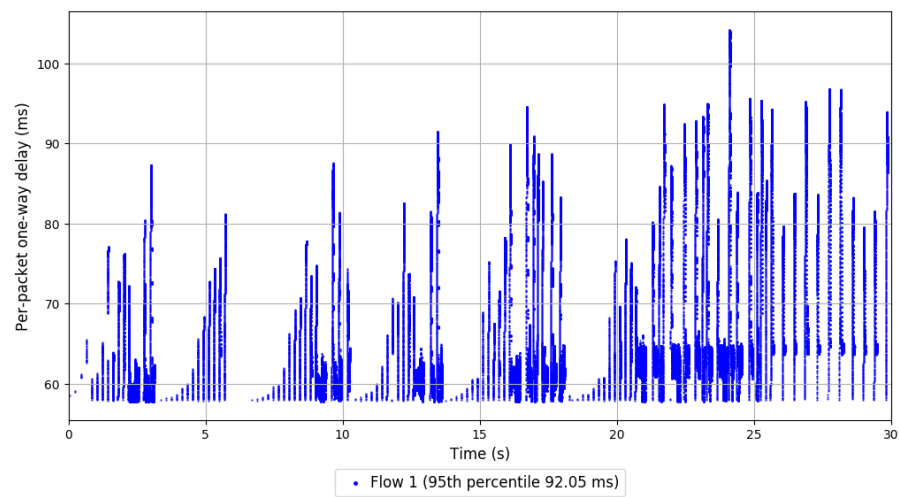
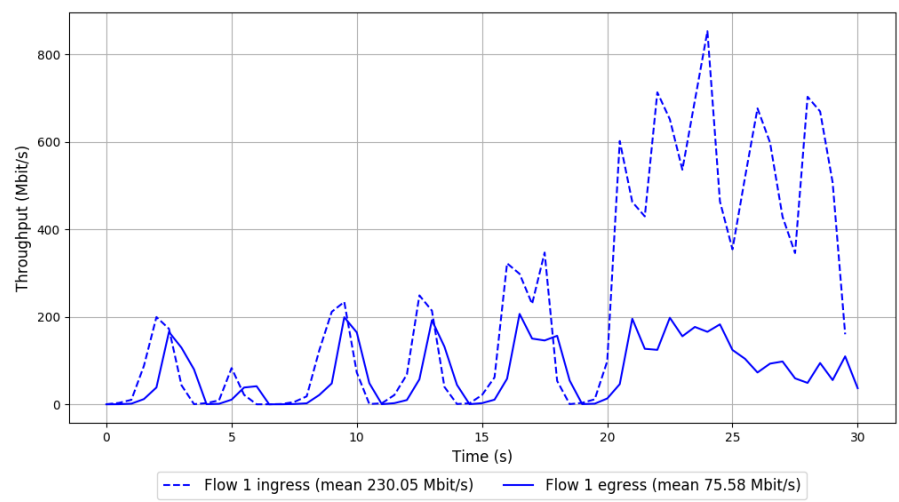


Run 4: Statistics of Verus

Start at: 2018-07-22 00:16:44
End at: 2018-07-22 00:17:14
Local clock offset: -0.588 ms
Remote clock offset: -34.117 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 92.053 ms
Loss rate: 67.12%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 92.053 ms
Loss rate: 67.12%

Run 4: Report of Verus — Data Link

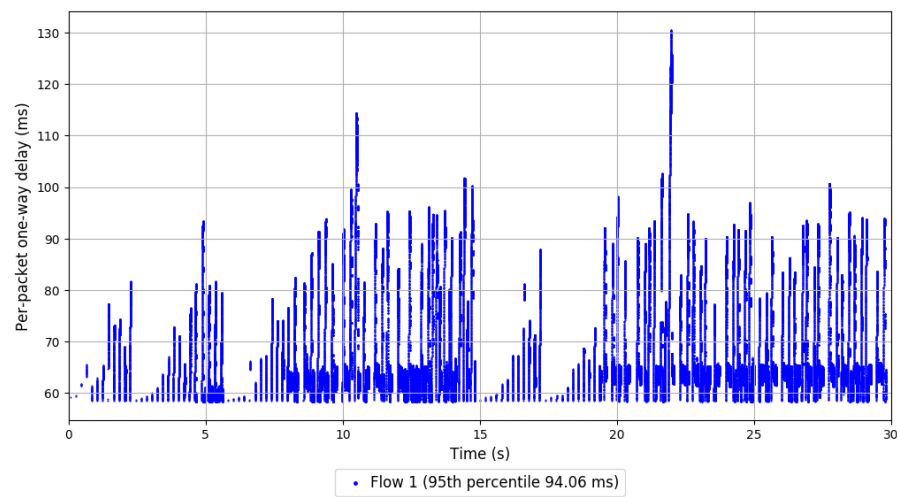
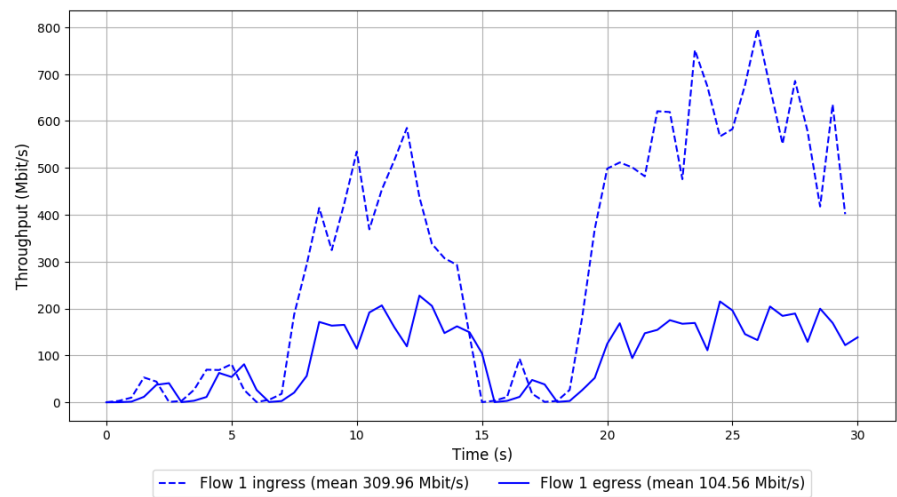


Run 5: Statistics of Verus

Start at: 2018-07-22 00:39:06
End at: 2018-07-22 00:39:36
Local clock offset: -1.365 ms
Remote clock offset: -37.231 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.56 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 66.26%
-- Flow 1:
Average throughput: 104.56 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 66.26%

Run 5: Report of Verus — Data Link

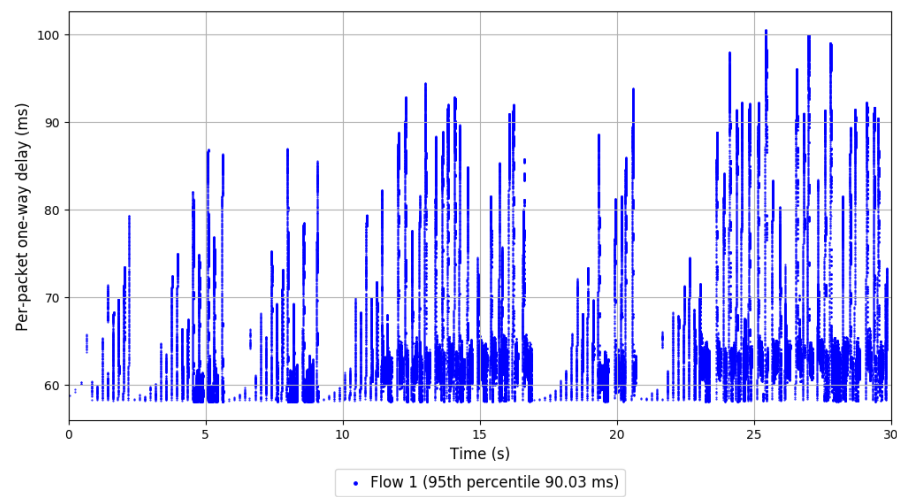
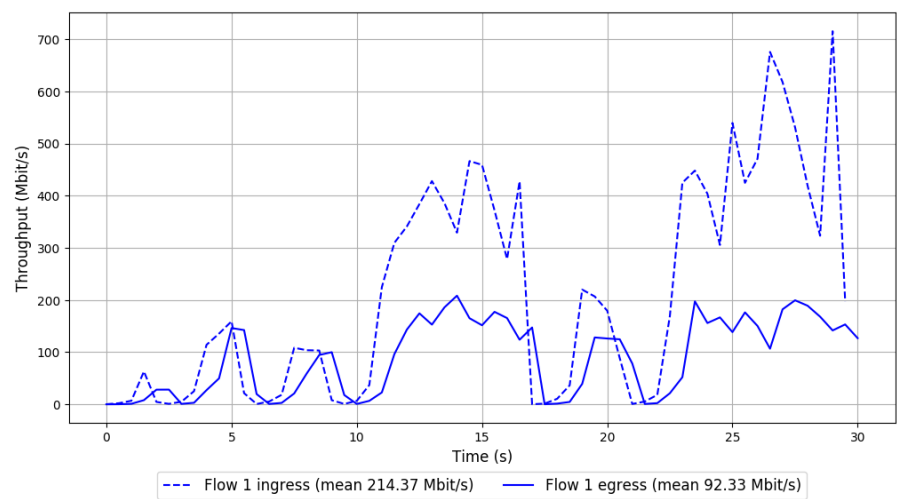


Run 6: Statistics of Verus

Start at: 2018-07-22 01:01:14
End at: 2018-07-22 01:01:44
Local clock offset: -0.988 ms
Remote clock offset: -34.529 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 90.028 ms
Loss rate: 56.92%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 90.028 ms
Loss rate: 56.92%

Run 6: Report of Verus — Data Link

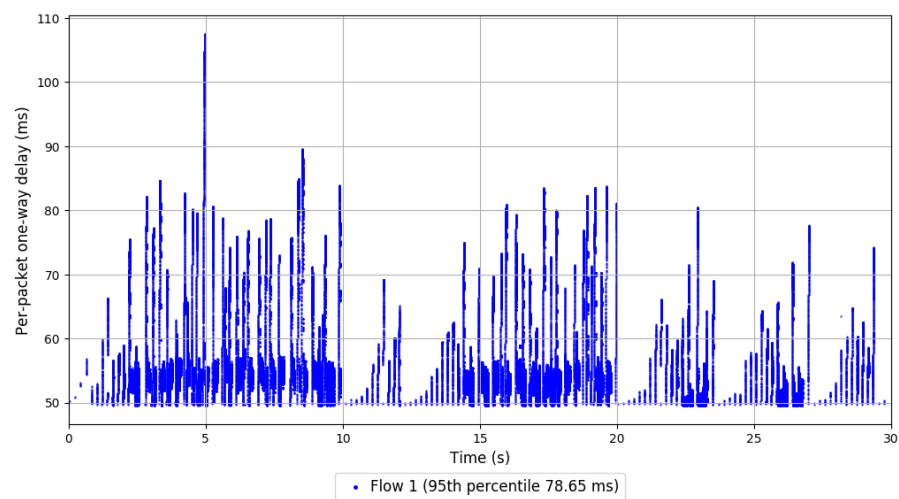
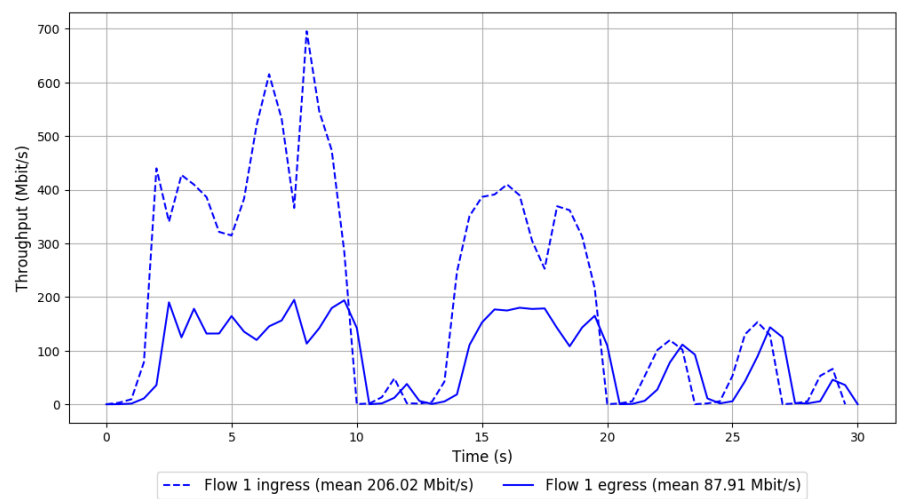


Run 7: Statistics of Verus

Start at: 2018-07-22 01:23:21
End at: 2018-07-22 01:23:51
Local clock offset: 2.074 ms
Remote clock offset: -41.59 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 78.650 ms
Loss rate: 57.33%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 78.650 ms
Loss rate: 57.33%

Run 7: Report of Verus — Data Link

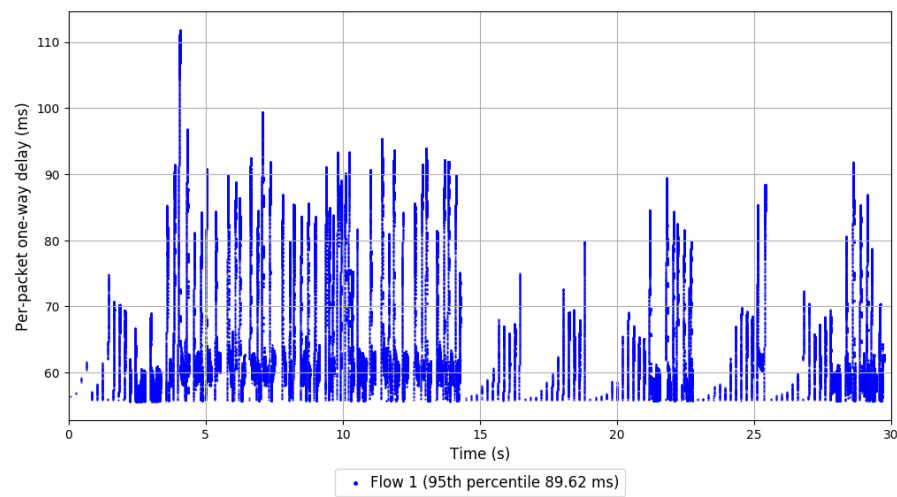
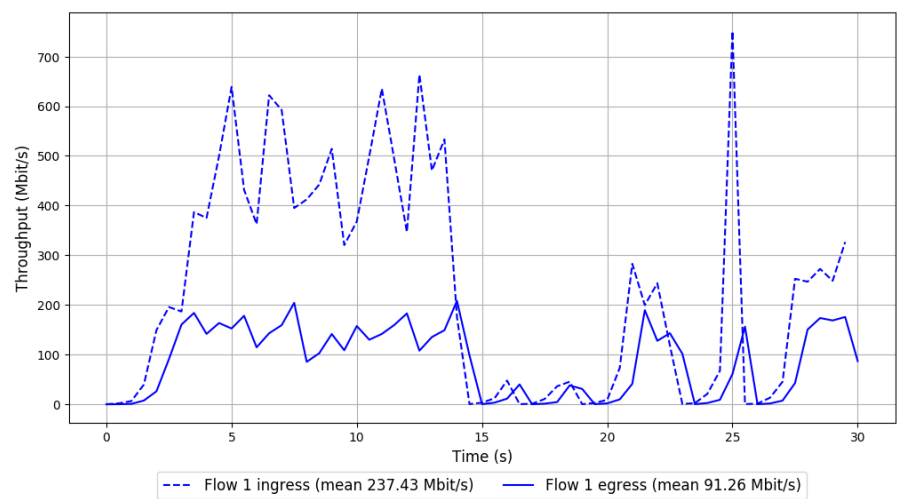


Run 8: Statistics of Verus

Start at: 2018-07-22 02:00:46
End at: 2018-07-22 02:01:16
Local clock offset: 1.74 ms
Remote clock offset: -40.873 ms

Below is generated by plot.py at 2018-07-22 04:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 89.624 ms
Loss rate: 61.56%
-- Flow 1:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 89.624 ms
Loss rate: 61.56%

Run 8: Report of Verus — Data Link

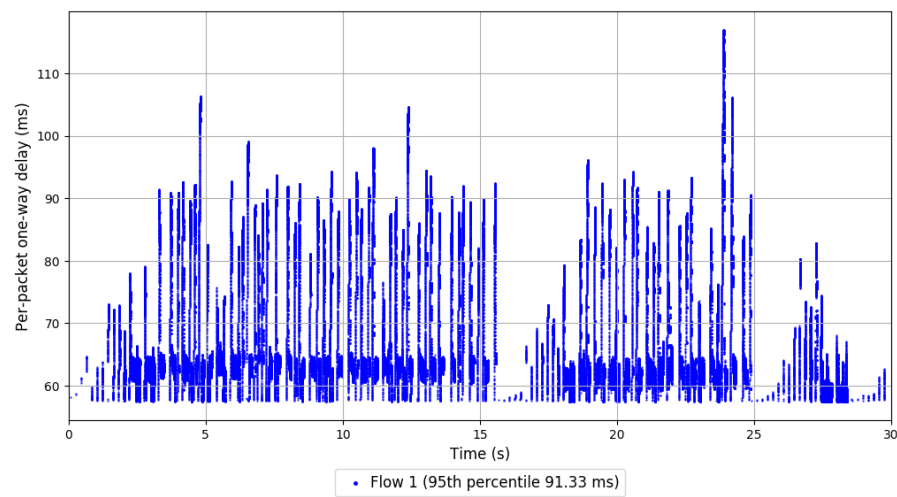
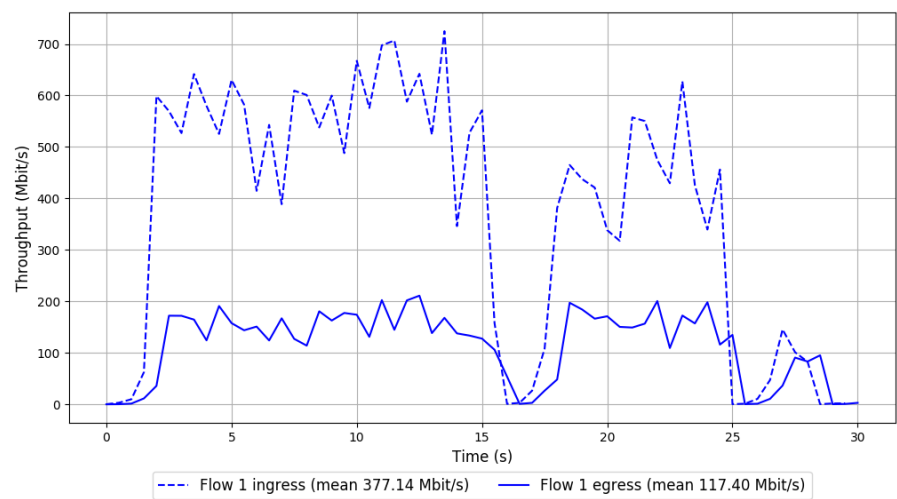


Run 9: Statistics of Verus

Start at: 2018-07-22 02:34:04
End at: 2018-07-22 02:34:34
Local clock offset: -0.713 ms
Remote clock offset: -38.855 ms

Below is generated by plot.py at 2018-07-22 04:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.40 Mbit/s
95th percentile per-packet one-way delay: 91.329 ms
Loss rate: 68.87%
-- Flow 1:
Average throughput: 117.40 Mbit/s
95th percentile per-packet one-way delay: 91.329 ms
Loss rate: 68.87%

Run 9: Report of Verus — Data Link

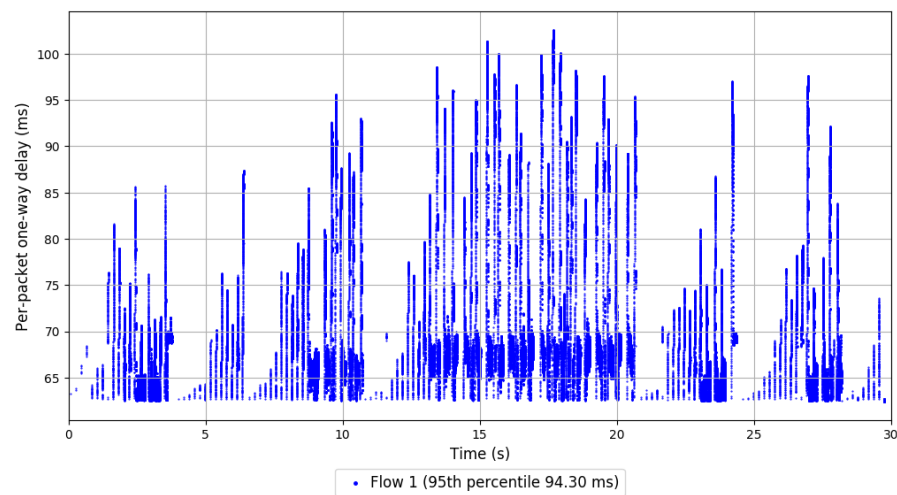
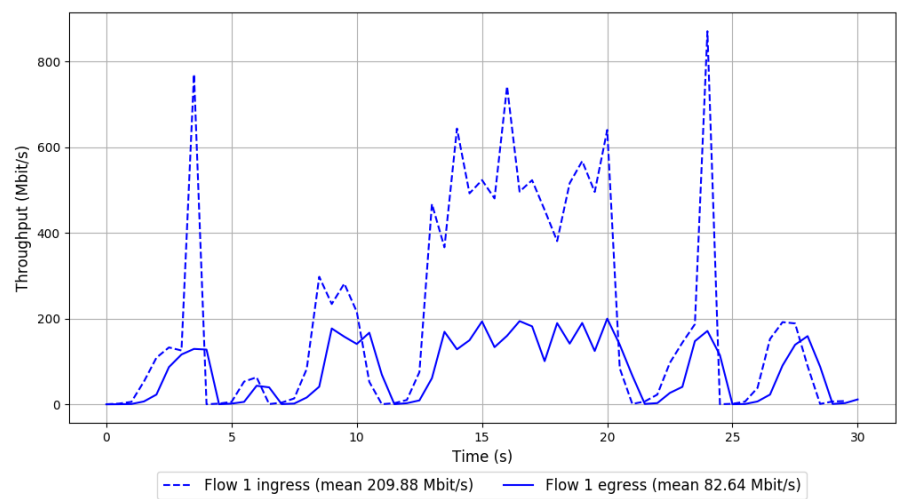


Run 10: Statistics of Verus

Start at: 2018-07-22 03:07:30
End at: 2018-07-22 03:08:00
Local clock offset: -1.47 ms
Remote clock offset: -33.213 ms

Below is generated by plot.py at 2018-07-22 04:16:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 94.304 ms
Loss rate: 60.62%
-- Flow 1:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 94.304 ms
Loss rate: 60.62%

Run 10: Report of Verus — Data Link

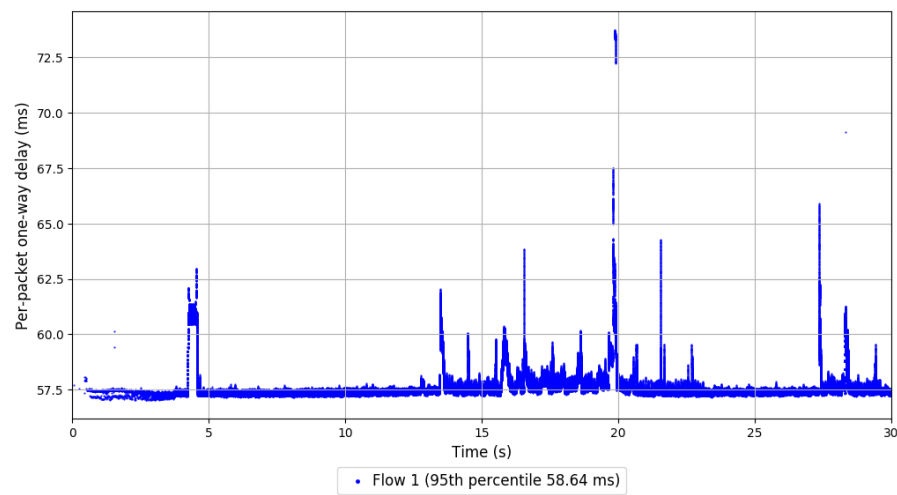
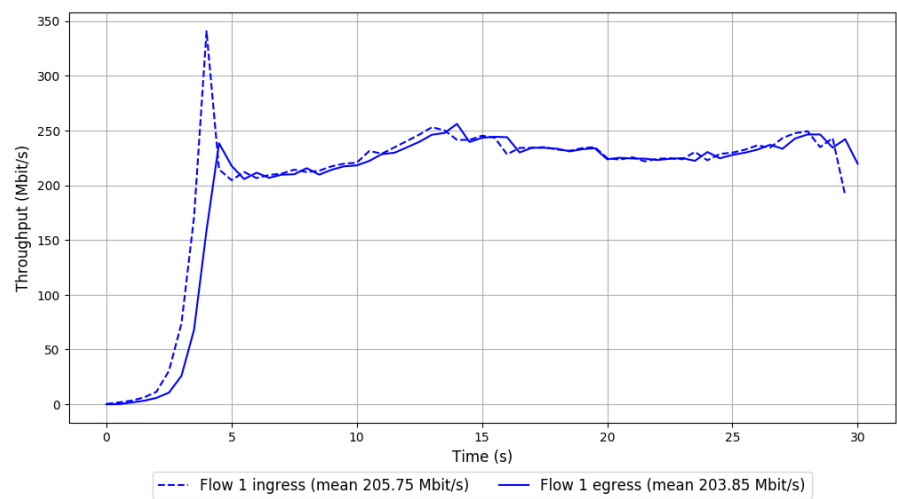


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-21 23:00:15
End at: 2018-07-21 23:00:45
Local clock offset: 1.701 ms
Remote clock offset: -33.125 ms

Below is generated by plot.py at 2018-07-22 04:17:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.85 Mbit/s
95th percentile per-packet one-way delay: 58.642 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 203.85 Mbit/s
95th percentile per-packet one-way delay: 58.642 ms
Loss rate: 0.93%

Run 1: Report of PCC-Vivace — Data Link

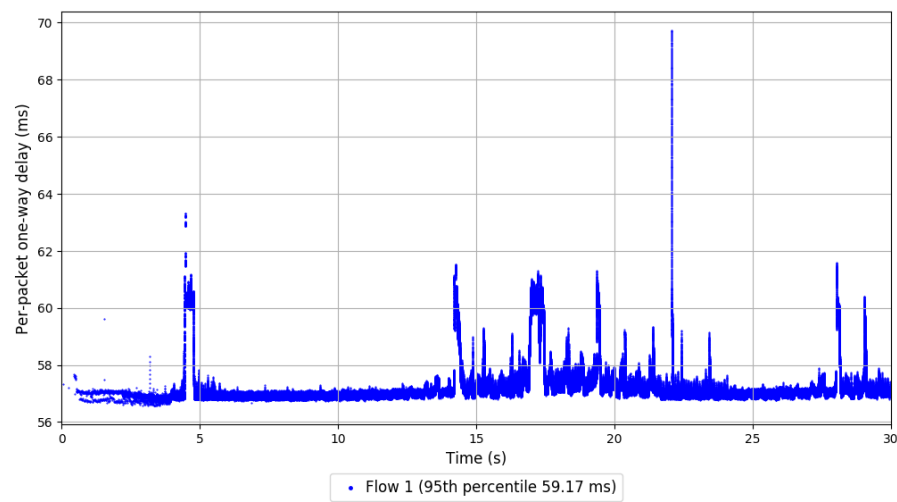
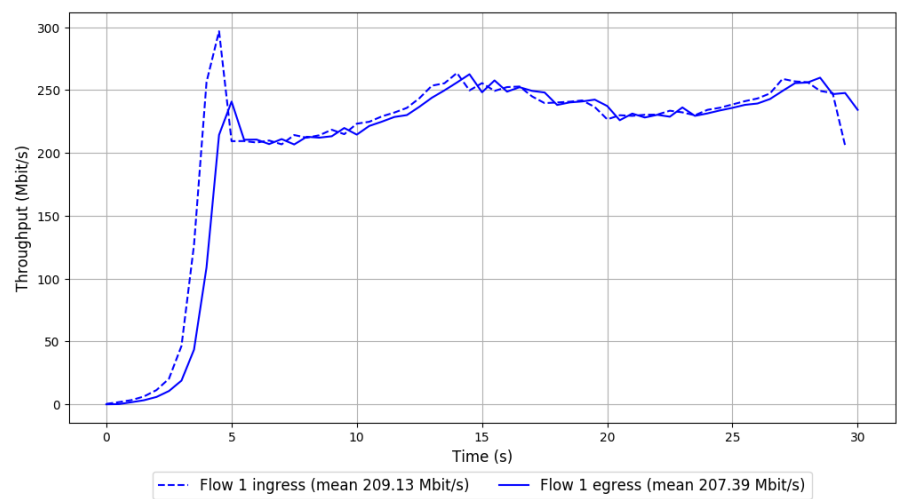


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-21 23:39:14
End at: 2018-07-21 23:39:44
Local clock offset: -0.128 ms
Remote clock offset: -37.745 ms

Below is generated by plot.py at 2018-07-22 04:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.39 Mbit/s
95th percentile per-packet one-way delay: 59.169 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 207.39 Mbit/s
95th percentile per-packet one-way delay: 59.169 ms
Loss rate: 0.84%

Run 2: Report of PCC-Vivace — Data Link

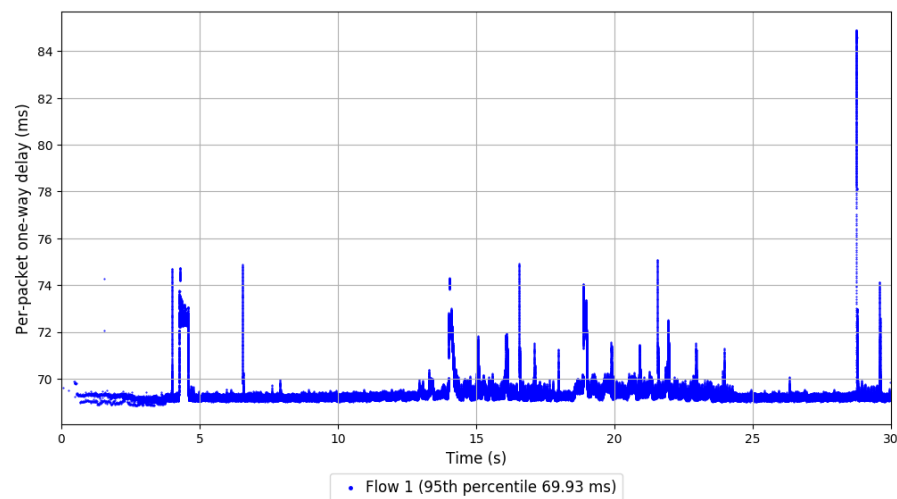
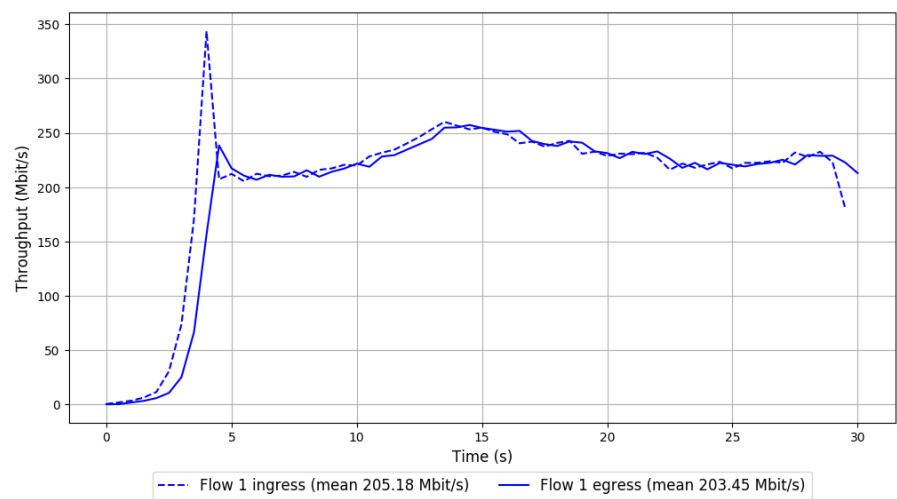


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-22 00:12:52
End at: 2018-07-22 00:13:22
Local clock offset: -2.904 ms
Remote clock offset: -25.069 ms

Below is generated by plot.py at 2018-07-22 04:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.45 Mbit/s
95th percentile per-packet one-way delay: 69.926 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 203.45 Mbit/s
95th percentile per-packet one-way delay: 69.926 ms
Loss rate: 0.84%

Run 3: Report of PCC-Vivace — Data Link

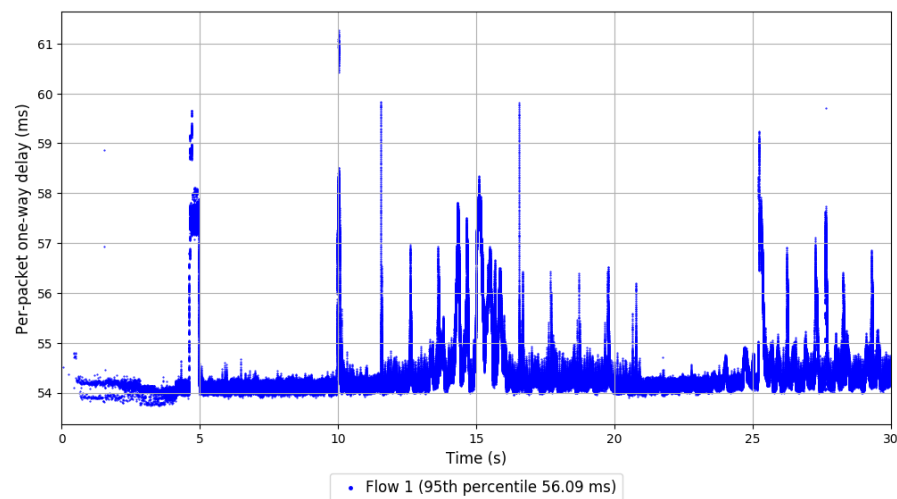
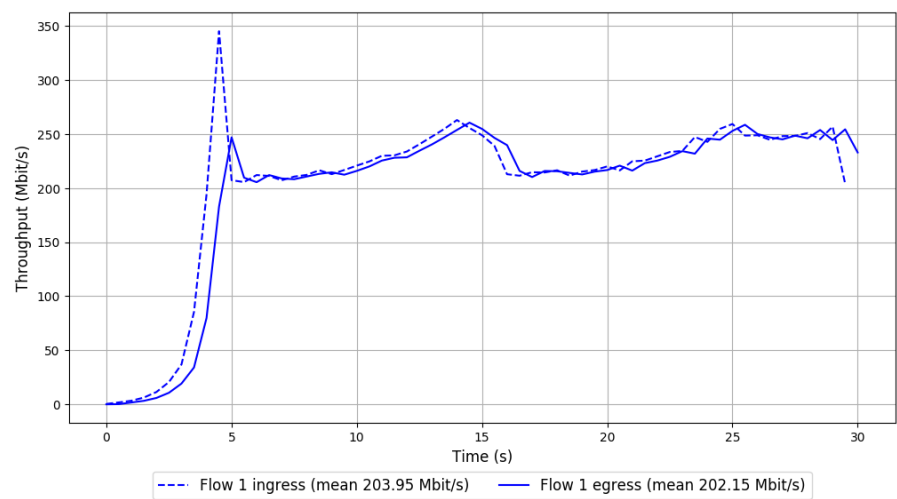


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-22 00:35:19
End at: 2018-07-22 00:35:49
Local clock offset: -1.254 ms
Remote clock offset: -38.815 ms

Below is generated by plot.py at 2018-07-22 04:18:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.15 Mbit/s
95th percentile per-packet one-way delay: 56.094 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 202.15 Mbit/s
95th percentile per-packet one-way delay: 56.094 ms
Loss rate: 0.88%

Run 4: Report of PCC-Vivace — Data Link

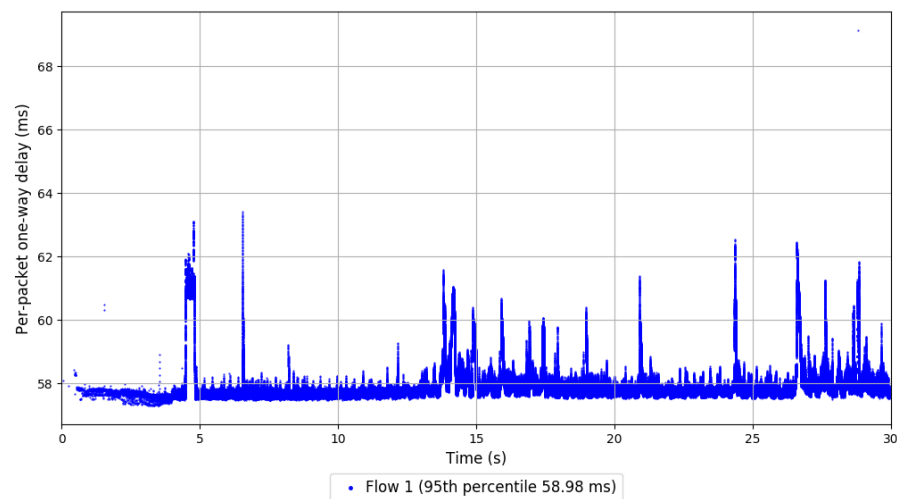
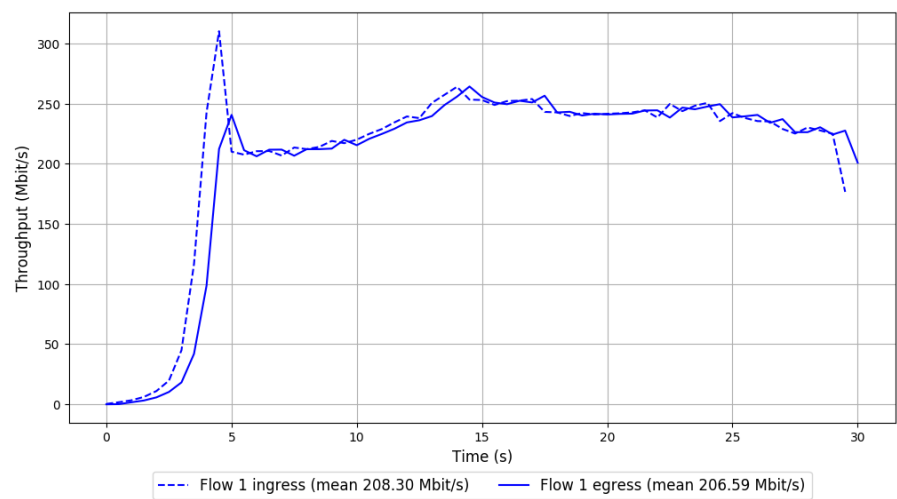


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-22 00:57:27
End at: 2018-07-22 00:57:57
Local clock offset: -1.536 ms
Remote clock offset: -37.906 ms

Below is generated by plot.py at 2018-07-22 04:18:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.59 Mbit/s
95th percentile per-packet one-way delay: 58.975 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 206.59 Mbit/s
95th percentile per-packet one-way delay: 58.975 ms
Loss rate: 0.83%

Run 5: Report of PCC-Vivace — Data Link

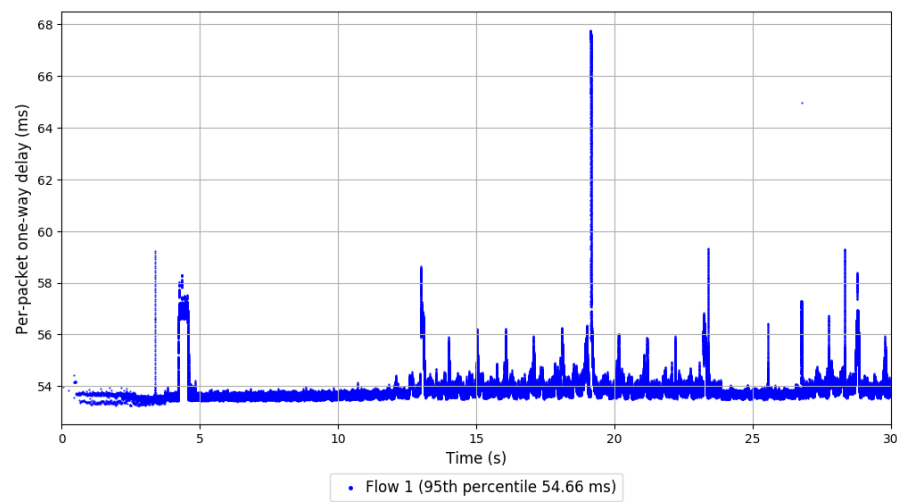
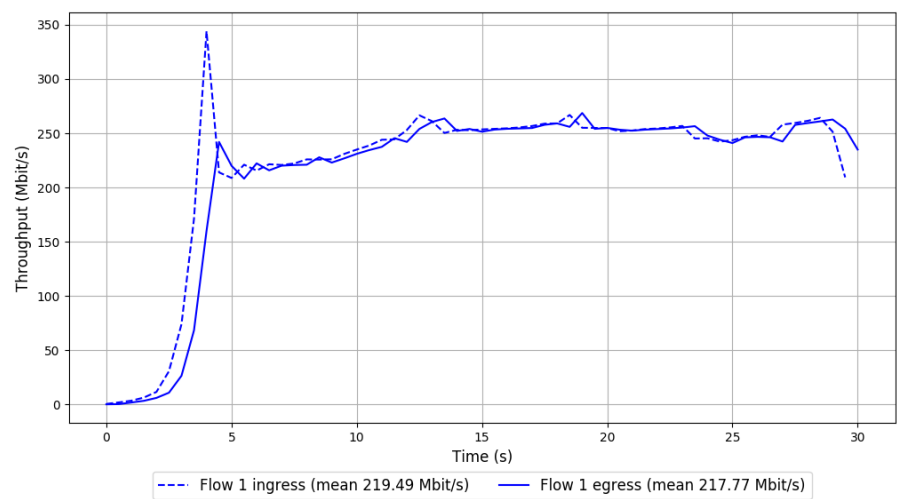


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-22 01:19:32
End at: 2018-07-22 01:20:02
Local clock offset: 2.415 ms
Remote clock offset: -36.936 ms

Below is generated by plot.py at 2018-07-22 04:18:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.77 Mbit/s
95th percentile per-packet one-way delay: 54.663 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 217.77 Mbit/s
95th percentile per-packet one-way delay: 54.663 ms
Loss rate: 0.79%

Run 6: Report of PCC-Vivace — Data Link

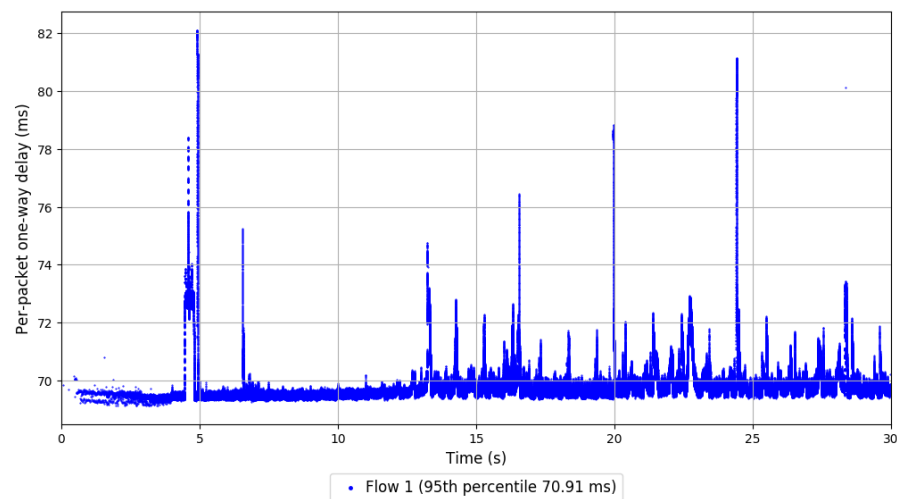
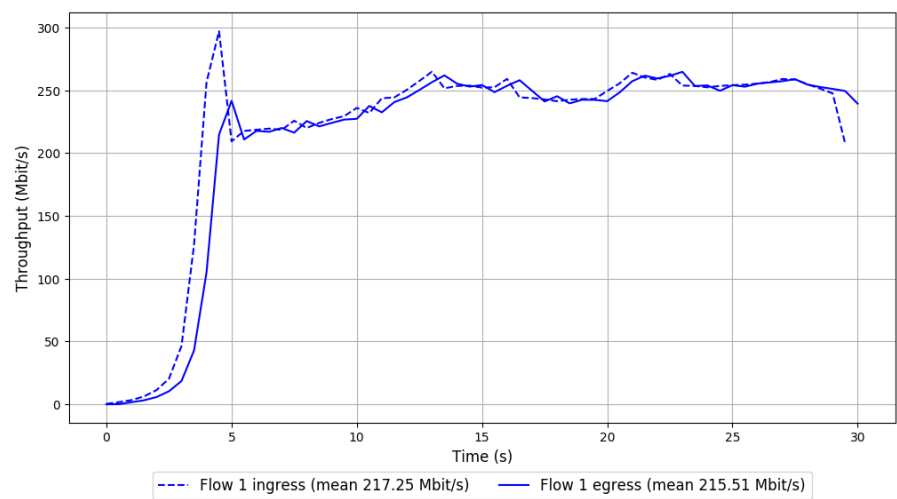


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-22 01:56:53
End at: 2018-07-22 01:57:23
Local clock offset: -0.922 ms
Remote clock offset: -29.587 ms

Below is generated by plot.py at 2018-07-22 04:18:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.51 Mbit/s
95th percentile per-packet one-way delay: 70.908 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 215.51 Mbit/s
95th percentile per-packet one-way delay: 70.908 ms
Loss rate: 0.81%

Run 7: Report of PCC-Vivace — Data Link

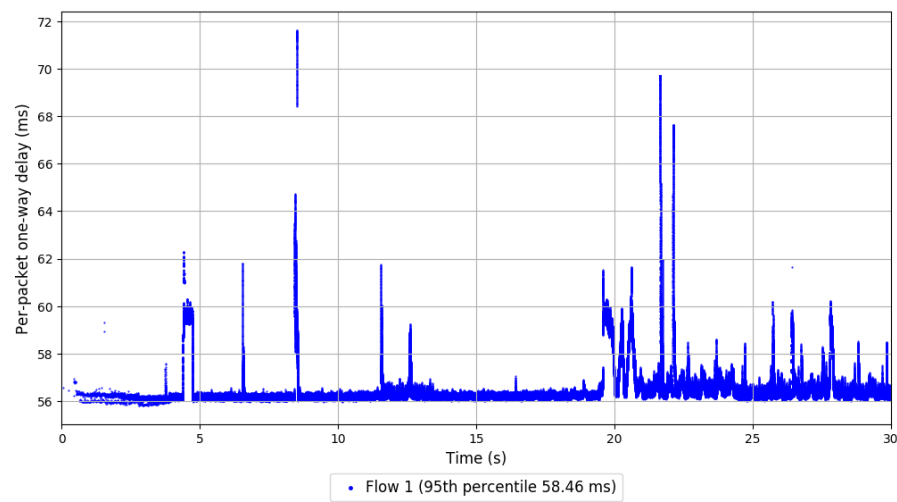
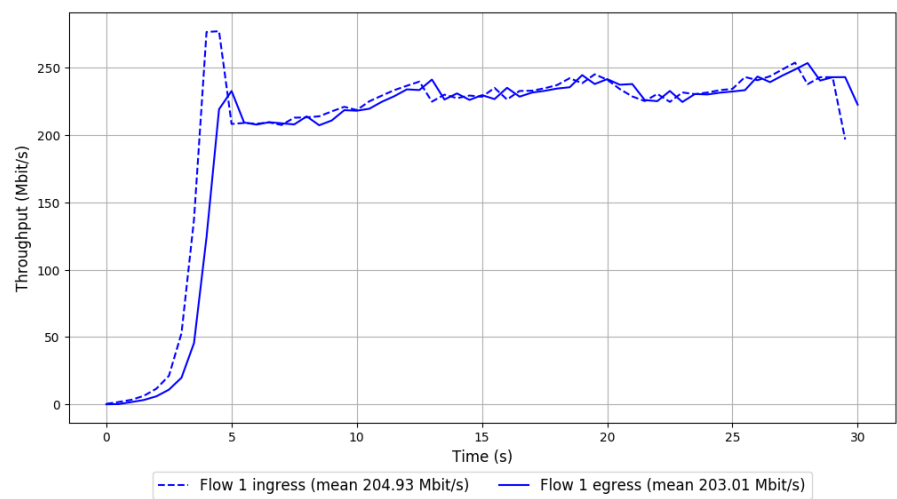


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-22 02:30:18
End at: 2018-07-22 02:30:48
Local clock offset: 2.063 ms
Remote clock offset: -37.331 ms

Below is generated by plot.py at 2018-07-22 04:19:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.01 Mbit/s
95th percentile per-packet one-way delay: 58.464 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 203.01 Mbit/s
95th percentile per-packet one-way delay: 58.464 ms
Loss rate: 0.94%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-22 03:03:44

End at: 2018-07-22 03:04:14

Local clock offset: 0.2 ms

Remote clock offset: -30.334 ms

Below is generated by plot.py at 2018-07-22 04:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.98 Mbit/s

95th percentile per-packet one-way delay: 66.970 ms

Loss rate: 1.02%

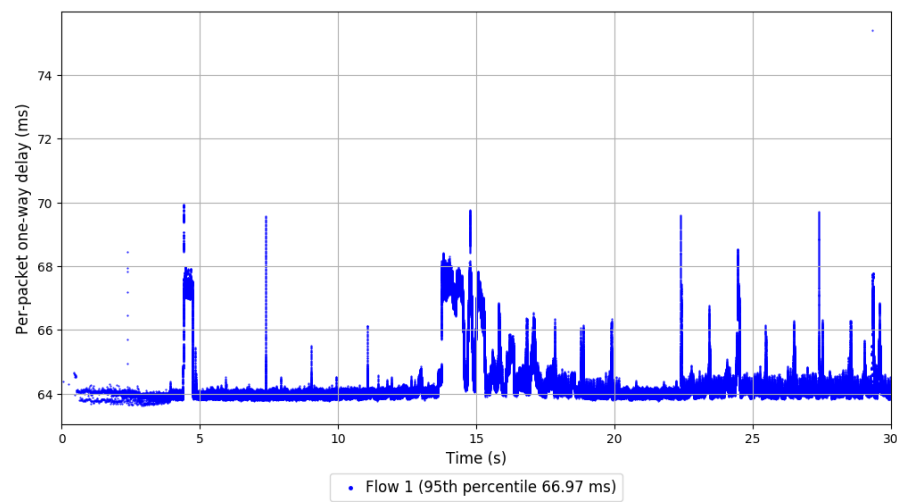
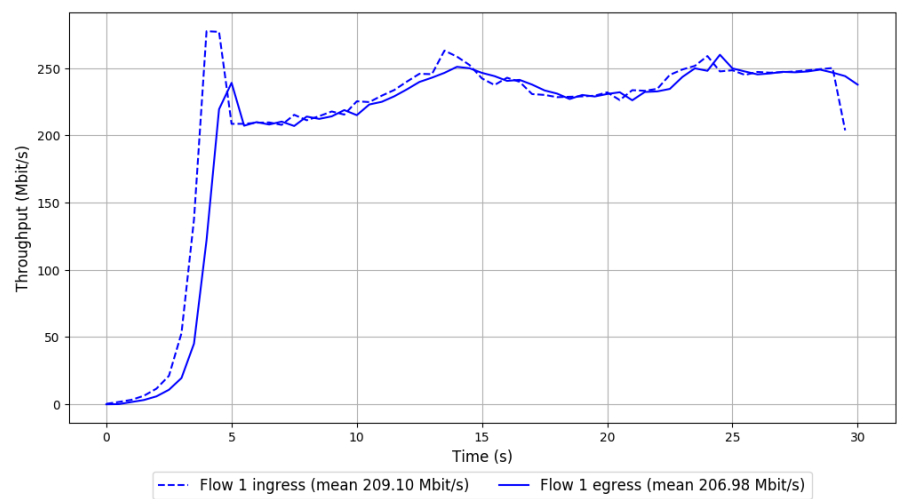
-- Flow 1:

Average throughput: 206.98 Mbit/s

95th percentile per-packet one-way delay: 66.970 ms

Loss rate: 1.02%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-22 03:25:43

End at: 2018-07-22 03:26:13

Local clock offset: -0.036 ms

Remote clock offset: -37.959 ms

Below is generated by plot.py at 2018-07-22 04:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.09 Mbit/s

95th percentile per-packet one-way delay: 58.989 ms

Loss rate: 0.98%

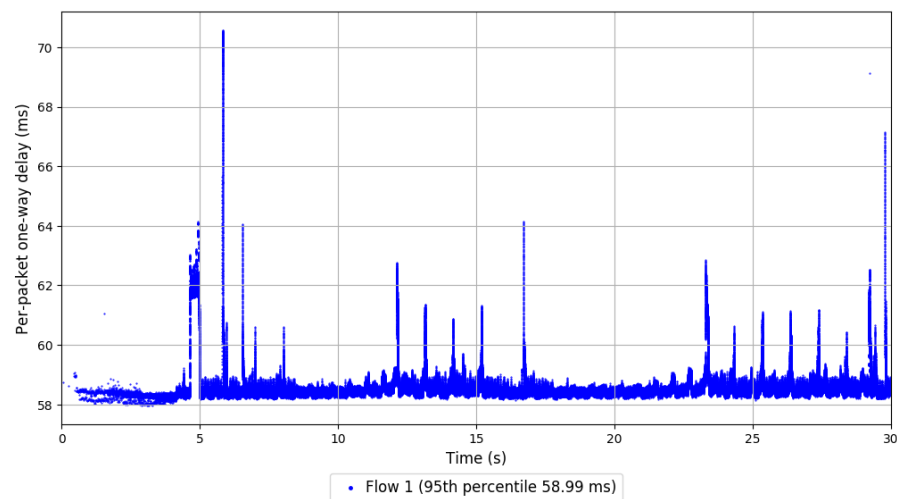
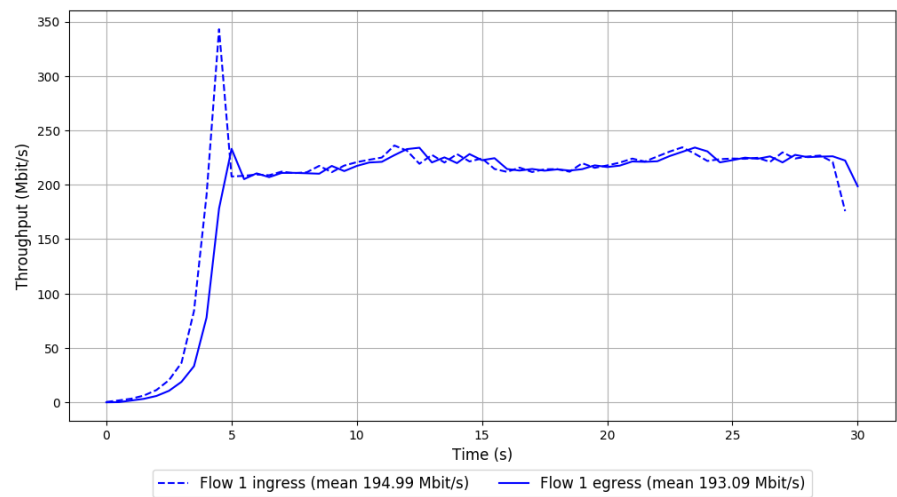
-- Flow 1:

Average throughput: 193.09 Mbit/s

95th percentile per-packet one-way delay: 58.989 ms

Loss rate: 0.98%

Run 10: Report of PCC-Vivace — Data Link

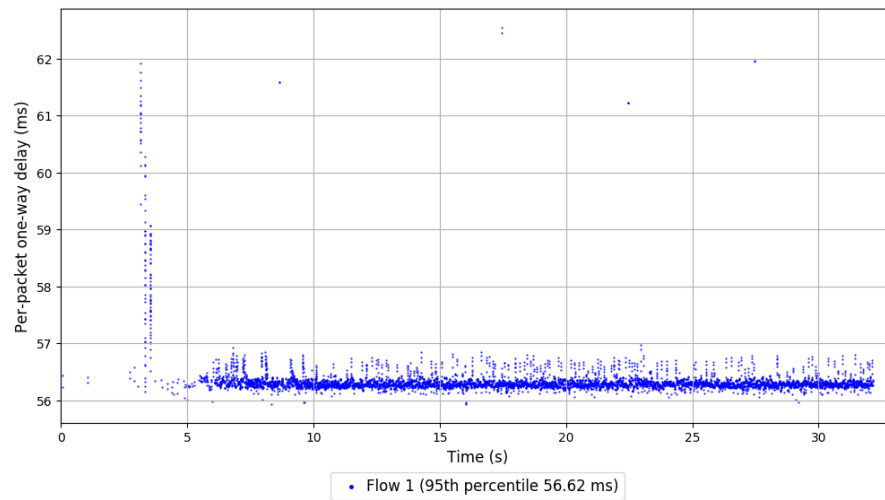
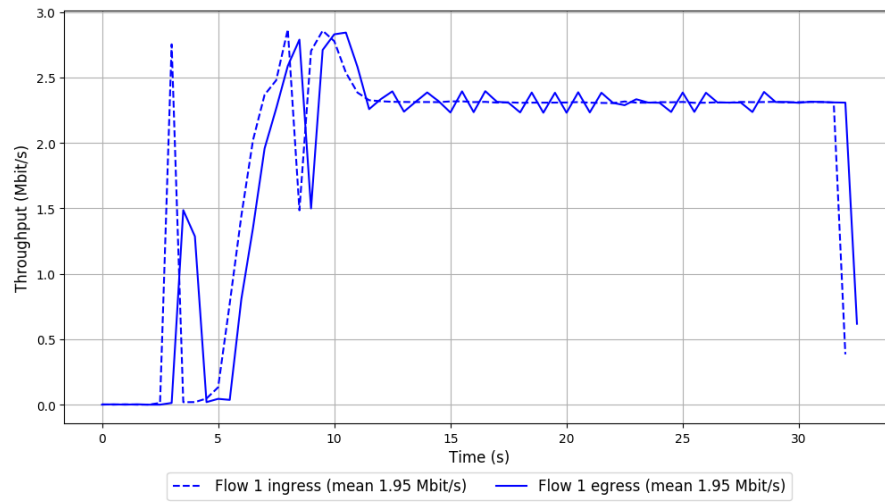


Run 1: Statistics of WebRTC media

Start at: 2018-07-21 23:01:40
End at: 2018-07-21 23:02:10
Local clock offset: 1.546 ms
Remote clock offset: -36.94 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 56.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 56.616 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

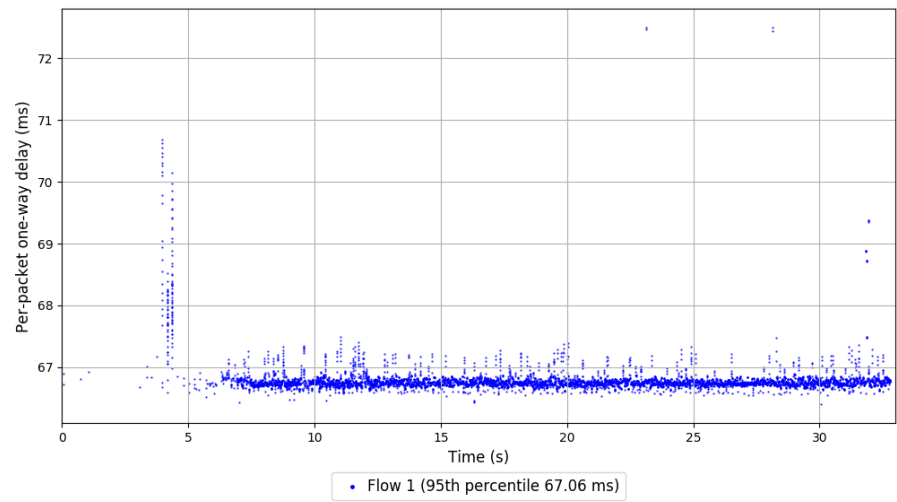
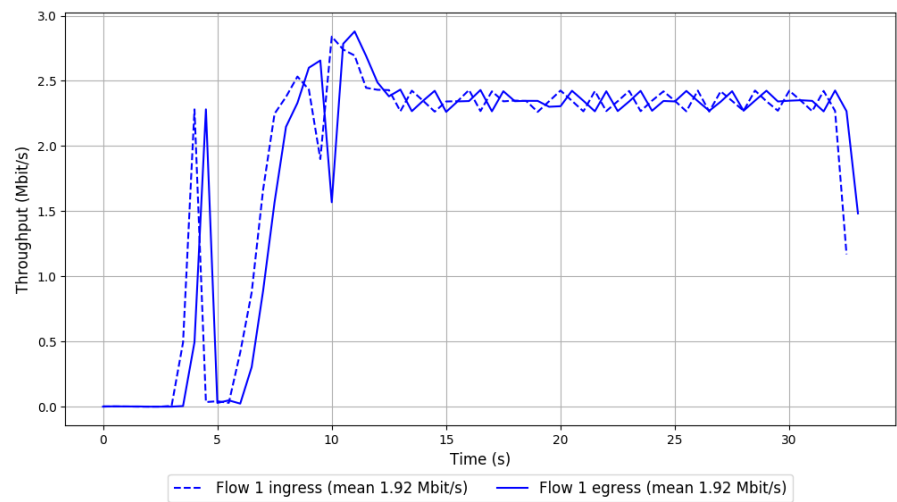


Run 2: Statistics of WebRTC media

Start at: 2018-07-21 23:46:04
End at: 2018-07-21 23:46:34
Local clock offset: -0.665 ms
Remote clock offset: -25.872 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 67.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 67.057 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

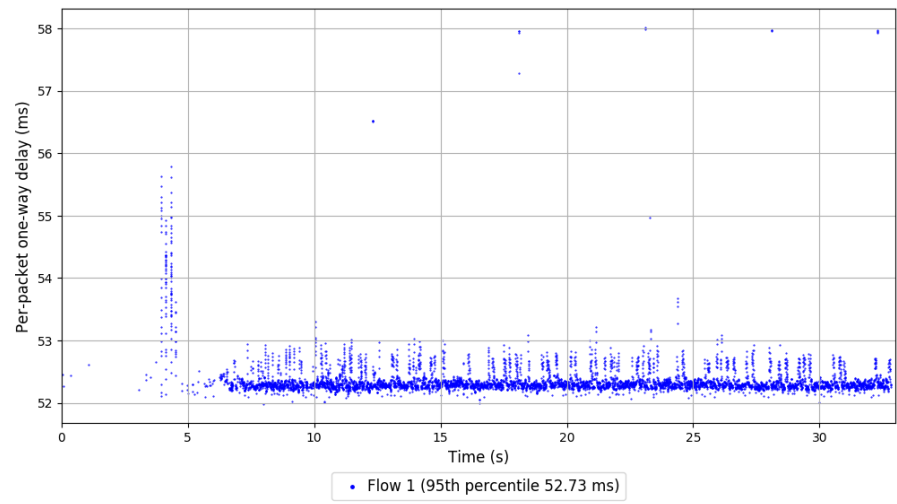
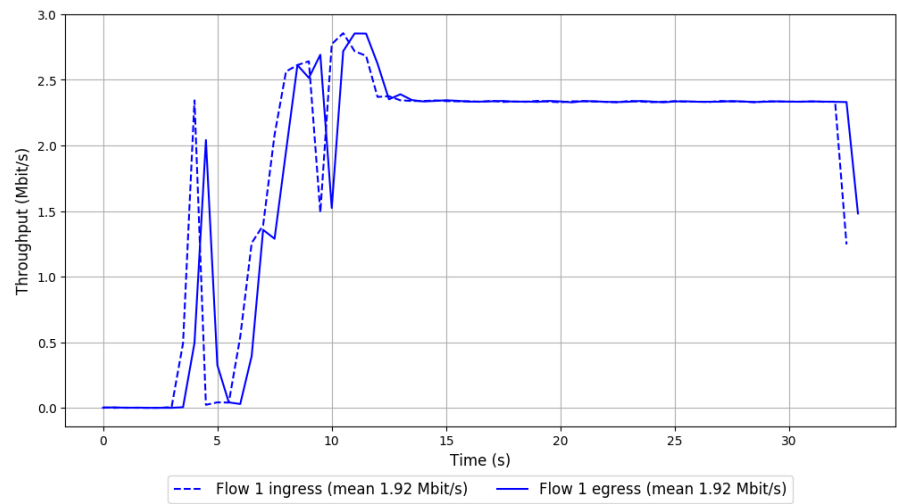


Run 3: Statistics of WebRTC media

Start at: 2018-07-22 00:14:23
End at: 2018-07-22 00:14:53
Local clock offset: -1.563 ms
Remote clock offset: -40.622 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 52.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 52.725 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

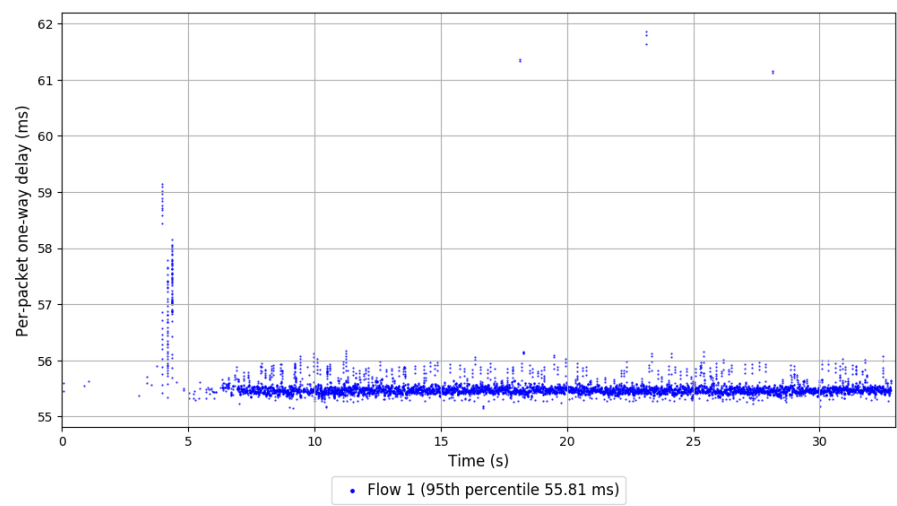
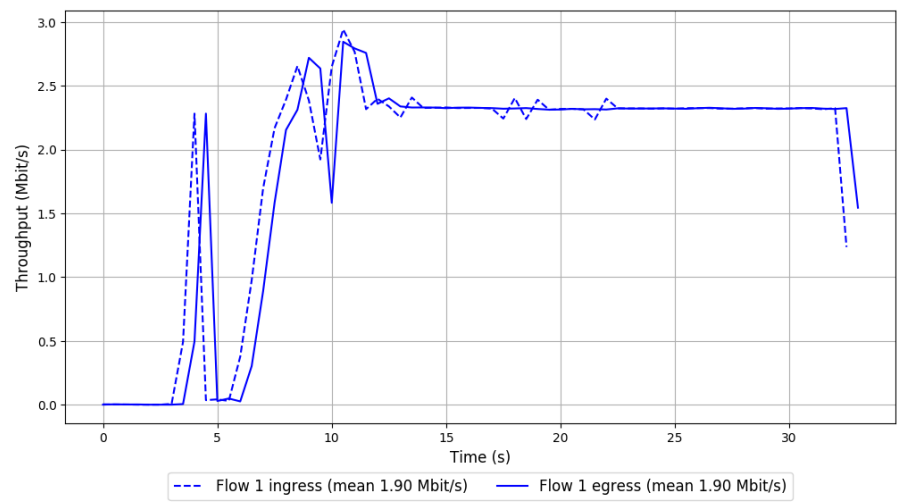


Run 4: Statistics of WebRTC media

Start at: 2018-07-22 00:36:43
End at: 2018-07-22 00:37:13
Local clock offset: 0.667 ms
Remote clock offset: -35.732 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 55.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 55.812 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

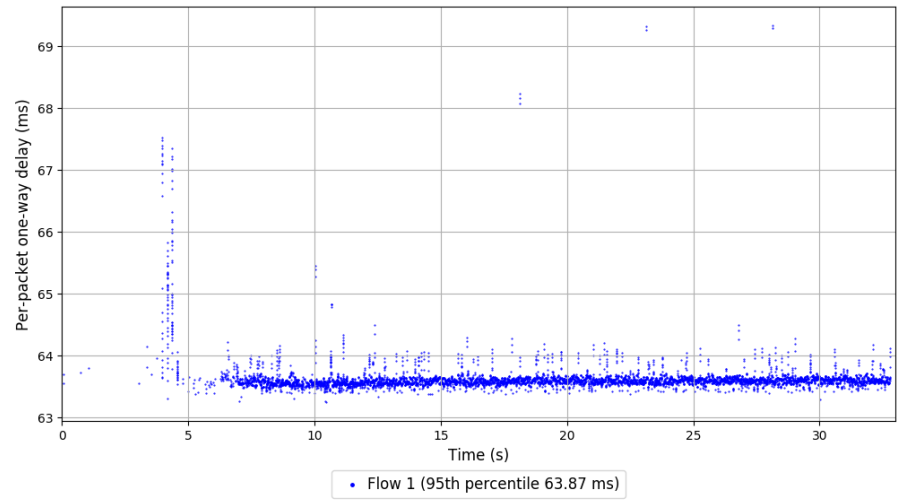
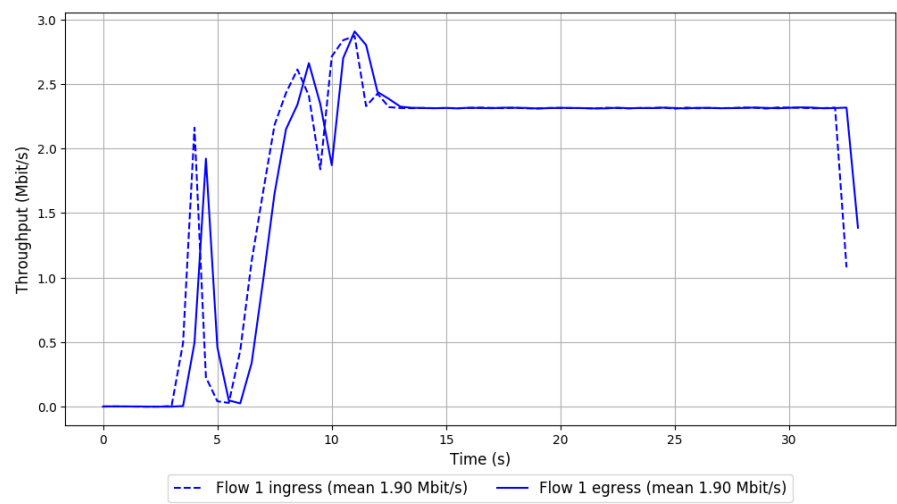


Run 5: Statistics of WebRTC media

Start at: 2018-07-22 00:58:52
End at: 2018-07-22 00:59:22
Local clock offset: -1.94 ms
Remote clock offset: -29.676 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 63.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 63.873 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

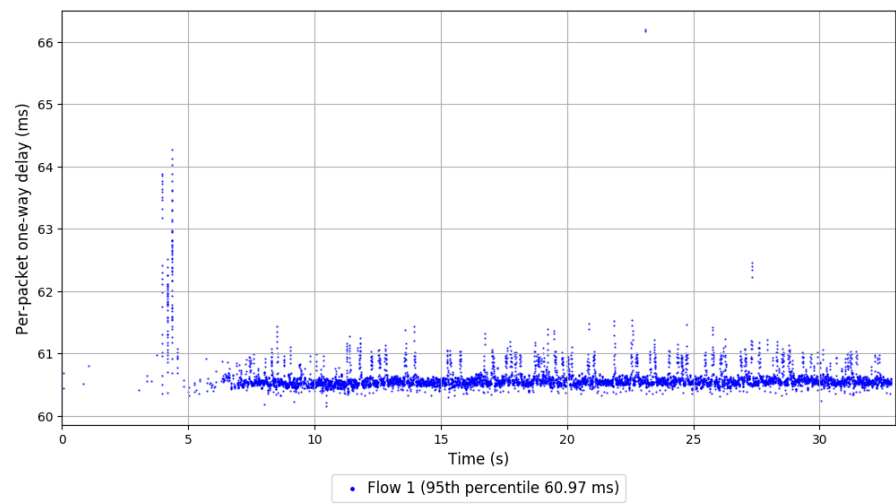
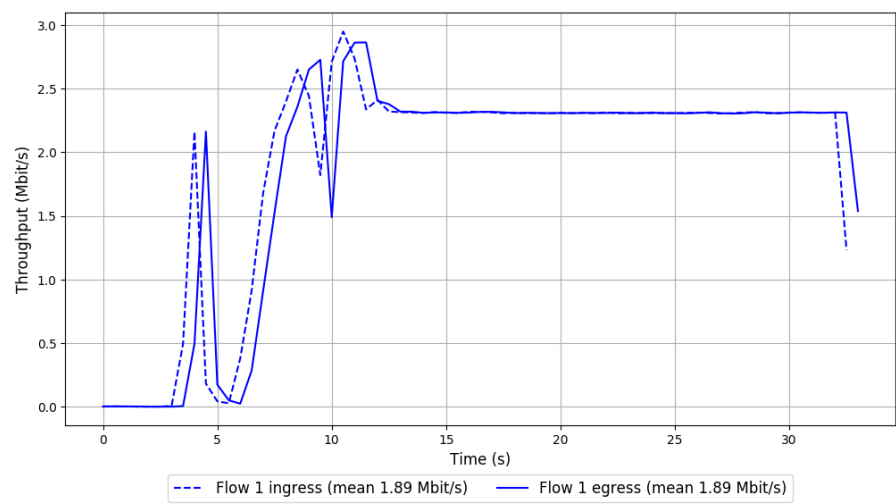


Run 6: Statistics of WebRTC media

Start at: 2018-07-22 01:20:59
End at: 2018-07-22 01:21:29
Local clock offset: -0.238 ms
Remote clock offset: -35.349 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 60.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 60.969 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

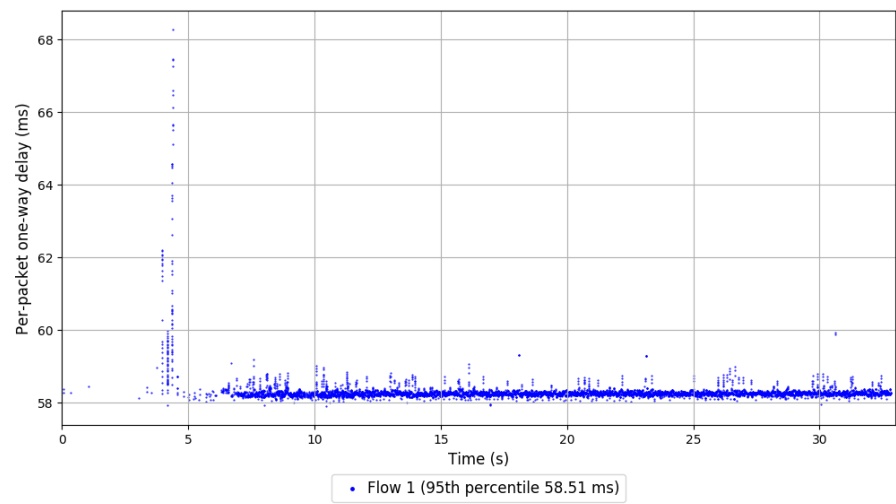
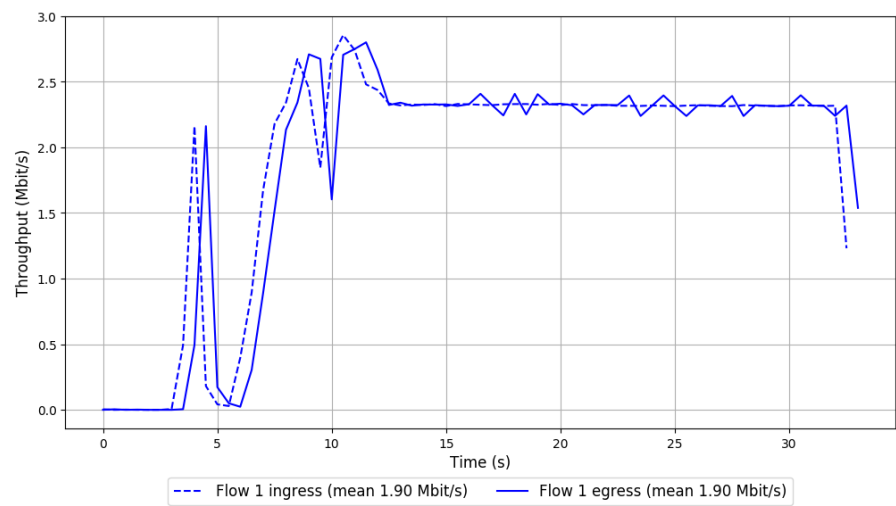


Run 7: Statistics of WebRTC media

Start at: 2018-07-22 01:58:24
End at: 2018-07-22 01:58:54
Local clock offset: 2.295 ms
Remote clock offset: -35.008 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 58.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 58.505 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

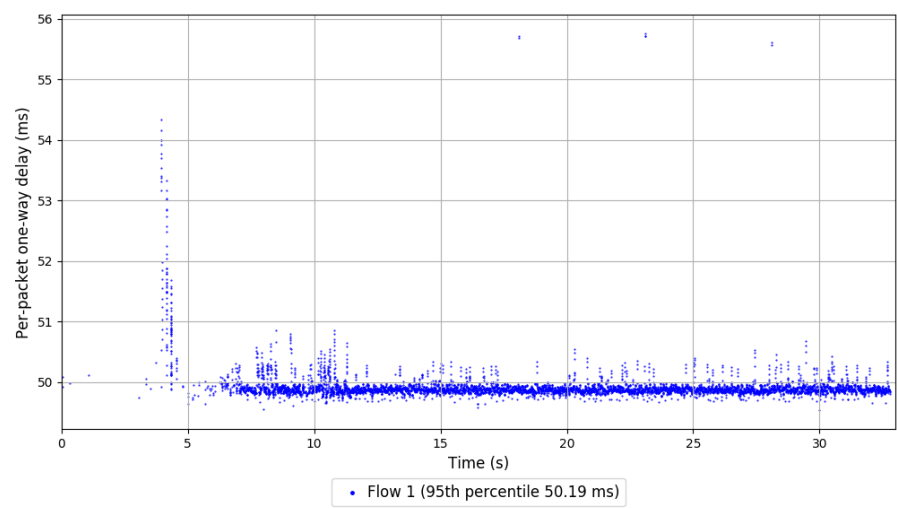
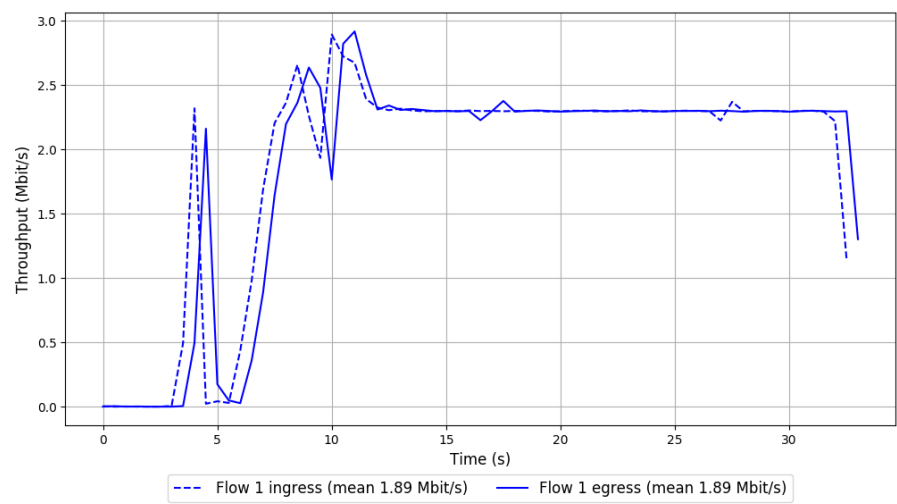


Run 8: Statistics of WebRTC media

Start at: 2018-07-22 02:31:42
End at: 2018-07-22 02:32:12
Local clock offset: 0.541 ms
Remote clock offset: -45.231 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 50.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 50.186 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

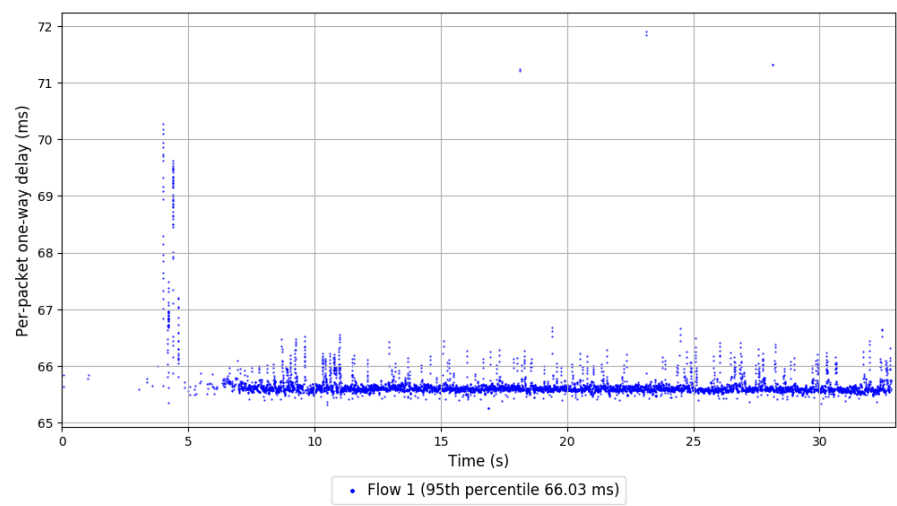
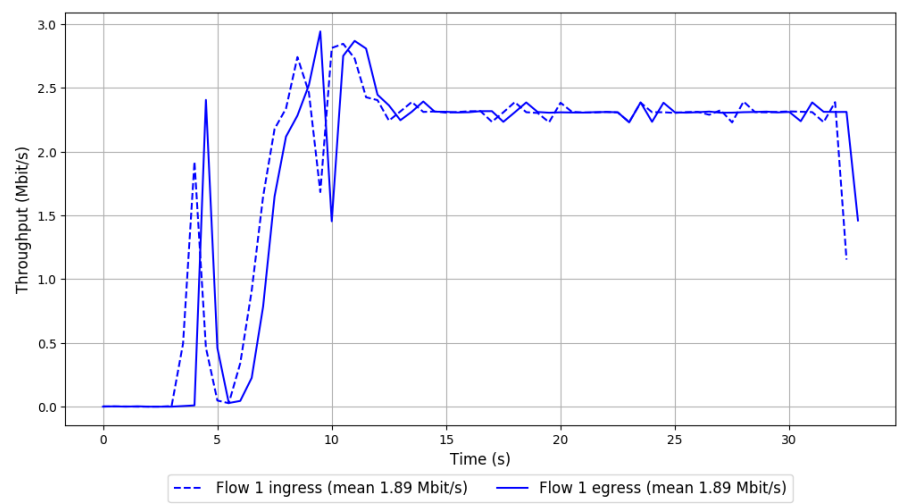


Run 9: Statistics of WebRTC media

Start at: 2018-07-22 03:05:08
End at: 2018-07-22 03:05:38
Local clock offset: -0.634 ms
Remote clock offset: -29.78 ms

Below is generated by plot.py at 2018-07-22 04:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 66.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 66.032 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-22 03:27:07

End at: 2018-07-22 03:27:38

Local clock offset: 1.085 ms

Remote clock offset: -36.586 ms

Below is generated by plot.py at 2018-07-22 04:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 56.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 56.251 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

