

Pantheon Report

Generated at 2018-05-22 02:20:23 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

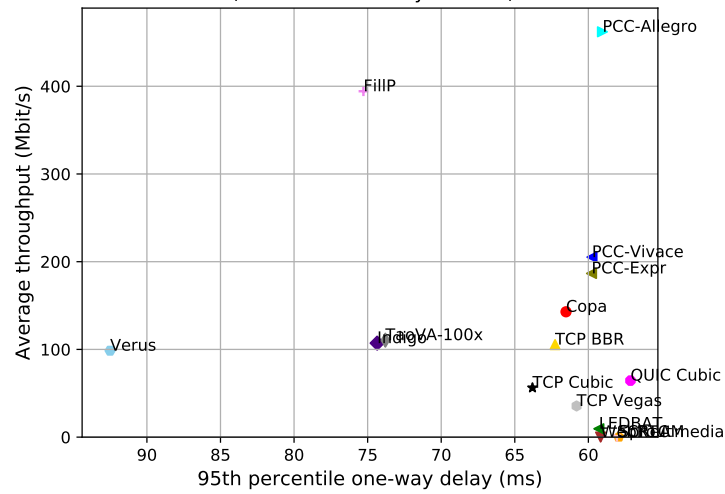
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against nets.org.sg and have been applied to correct the timestamps in logs.

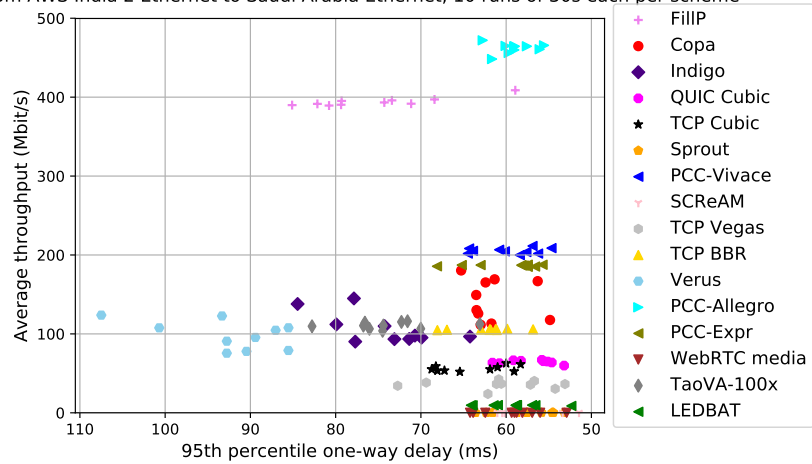
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/llnwd @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
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 Ethernet to Saudi Arabia Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 2 Ethernet to Saudi Arabia Ethernet, 10 runs of 30s each per scheme



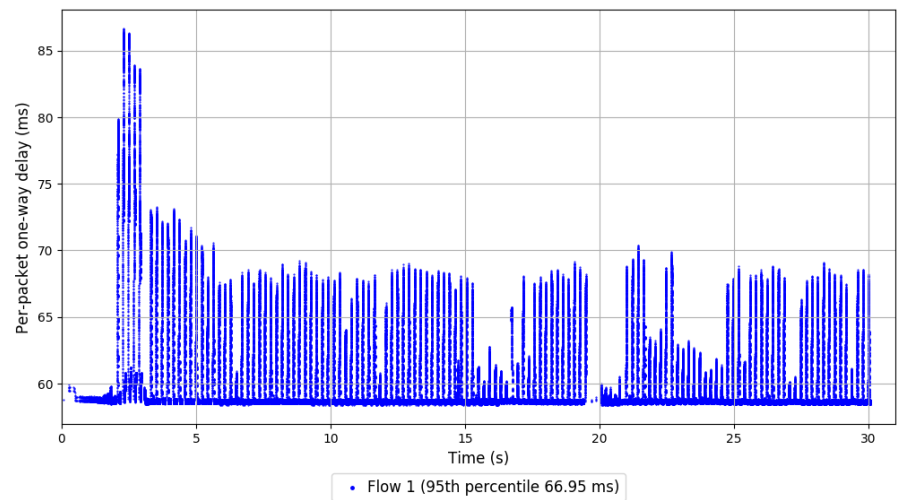
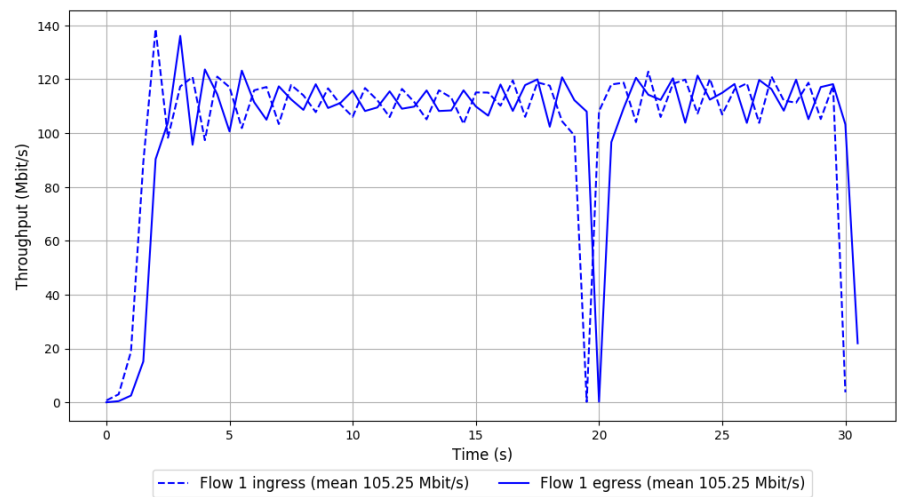
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	105.51	62.26	0.02
Copa	10	142.90	61.52	7.75
TCP Cubic	10	56.26	63.80	1.70
FillP	10	394.31	75.29	19.79
Indigo	10	107.16	74.35	0.97
LEDBAT	10	9.55	59.29	0.00
PCC-Allegro	10	462.08	59.04	3.79
PCC-Expr	10	186.61	59.79	2.70
QUIC Cubic	9	64.45	57.14	0.00
SCReAM	10	0.22	58.06	0.00
Sprout	10	0.30	57.93	0.00
TaoVA-100x	10	110.55	73.80	2.60
TCP Vegas	10	35.50	60.80	1.25
Verus	10	98.53	92.50	62.63
PCC-Vivace	10	205.20	59.76	0.91
WebRTC media	10	0.05	59.17	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-21 21:54:17
End at: 2018-05-21 21:54:47
Local clock offset: -3.451 ms
Remote clock offset: -37.742 ms

Below is generated by plot.py at 2018-05-22 01:42:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.25 Mbit/s
95th percentile per-packet one-way delay: 66.946 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.25 Mbit/s
95th percentile per-packet one-way delay: 66.946 ms
Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link

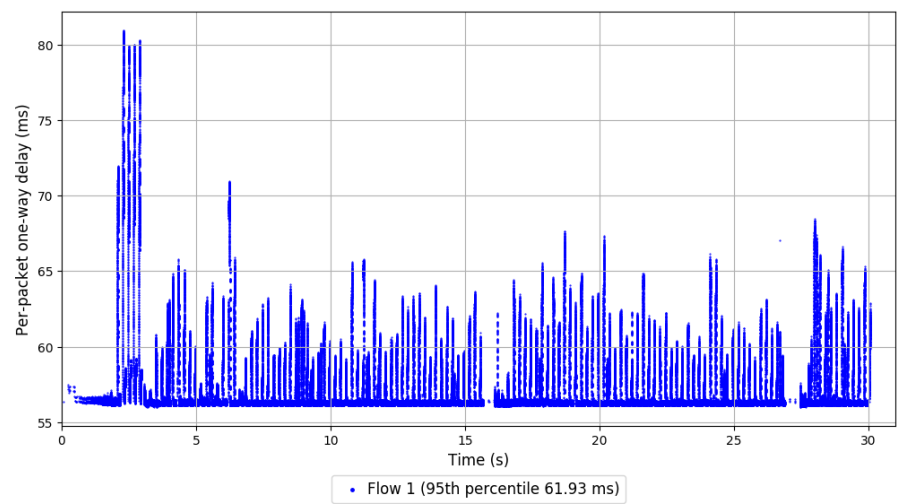
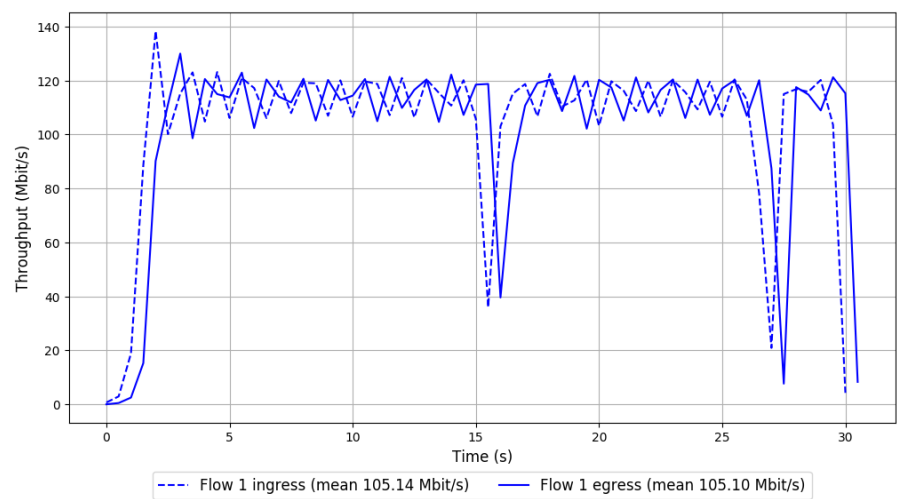


Run 2: Statistics of TCP BBR

Start at: 2018-05-21 22:20:24
End at: 2018-05-21 22:20:54
Local clock offset: -0.483 ms
Remote clock offset: -38.917 ms

Below is generated by plot.py at 2018-05-22 01:42:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.10 Mbit/s
95th percentile per-packet one-way delay: 61.928 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 105.10 Mbit/s
95th percentile per-packet one-way delay: 61.928 ms
Loss rate: 0.05%

Run 2: Report of TCP BBR — Data Link

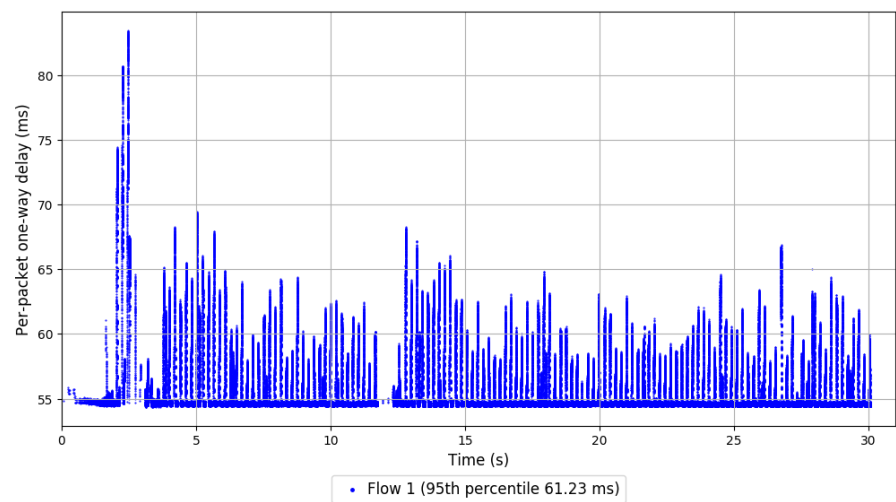
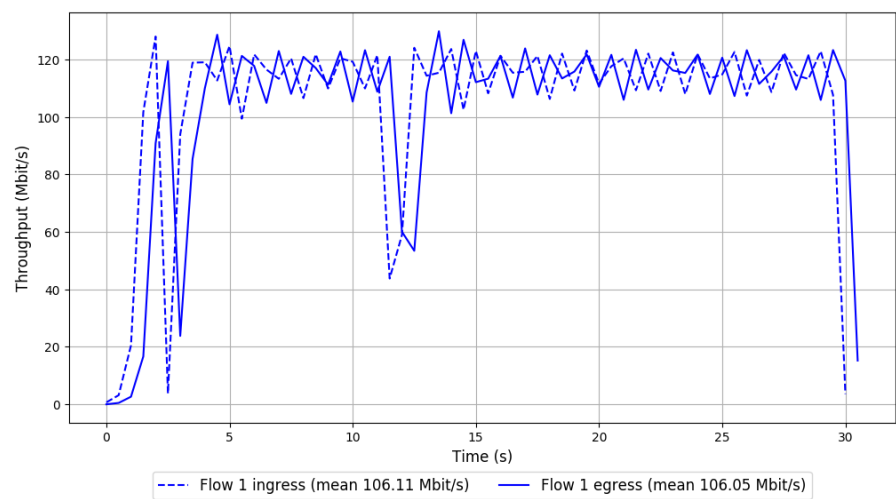


Run 3: Statistics of TCP BBR

Start at: 2018-05-21 22:46:40
End at: 2018-05-21 22:47:10
Local clock offset: 2.052 ms
Remote clock offset: -34.228 ms

Below is generated by plot.py at 2018-05-22 01:42:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.05 Mbit/s
95th percentile per-packet one-way delay: 61.233 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 106.05 Mbit/s
95th percentile per-packet one-way delay: 61.233 ms
Loss rate: 0.06%

Run 3: Report of TCP BBR — Data Link

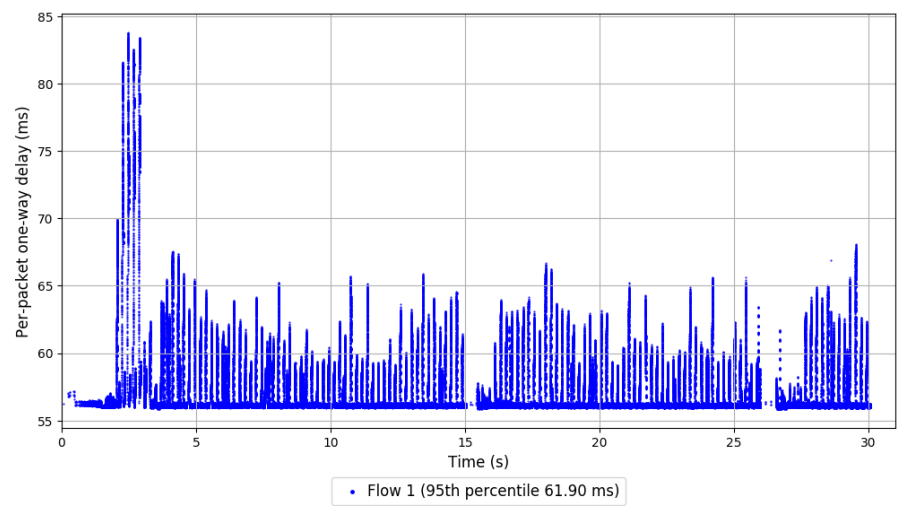
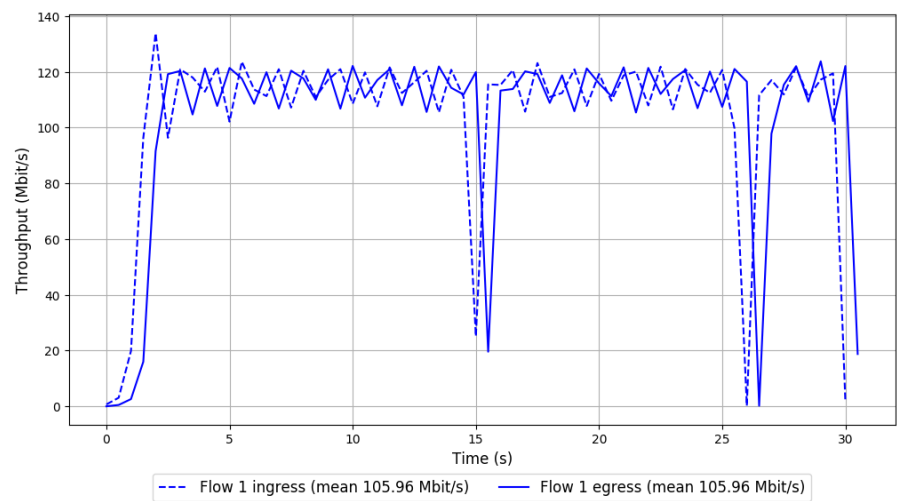


Run 4: Statistics of TCP BBR

Start at: 2018-05-21 23:12:59
End at: 2018-05-21 23:13:29
Local clock offset: 1.046 ms
Remote clock offset: -32.772 ms

Below is generated by plot.py at 2018-05-22 01:42:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 61.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 61.901 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

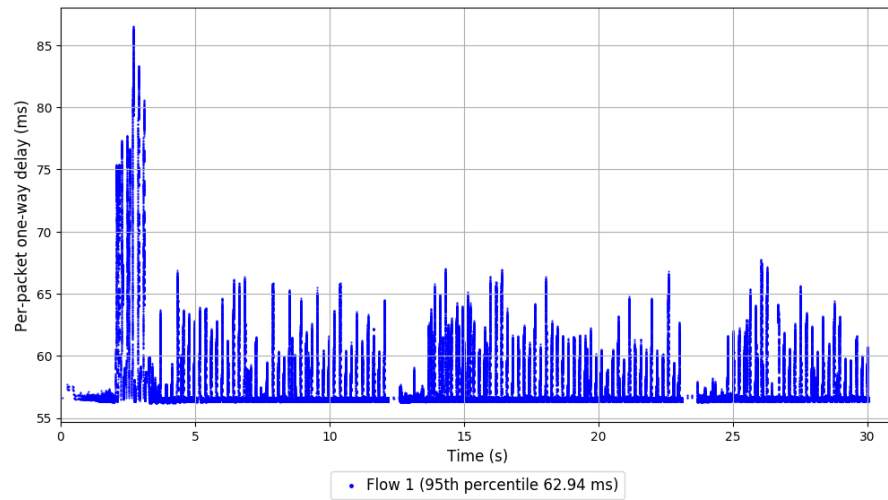
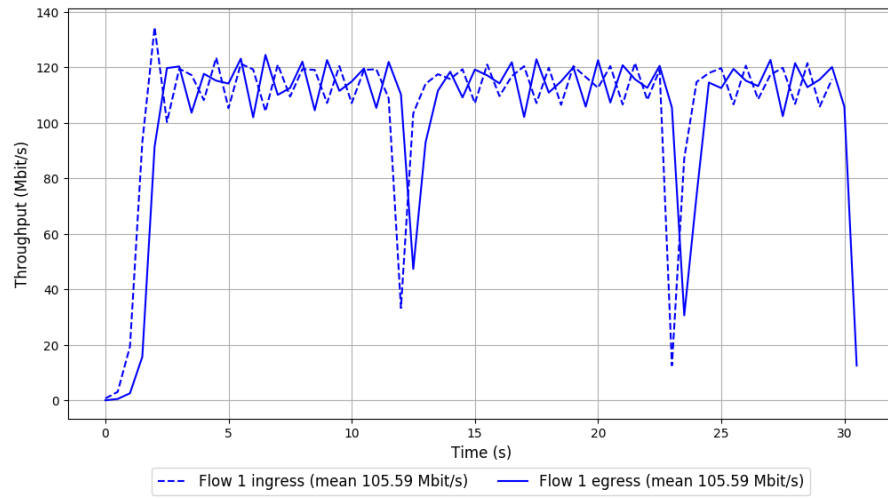


Run 5: Statistics of TCP BBR

Start at: 2018-05-21 23:33:33
End at: 2018-05-21 23:34:03
Local clock offset: 1.462 ms
Remote clock offset: -33.035 ms

Below is generated by plot.py at 2018-05-22 01:42:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.59 Mbit/s
95th percentile per-packet one-way delay: 62.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.59 Mbit/s
95th percentile per-packet one-way delay: 62.942 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

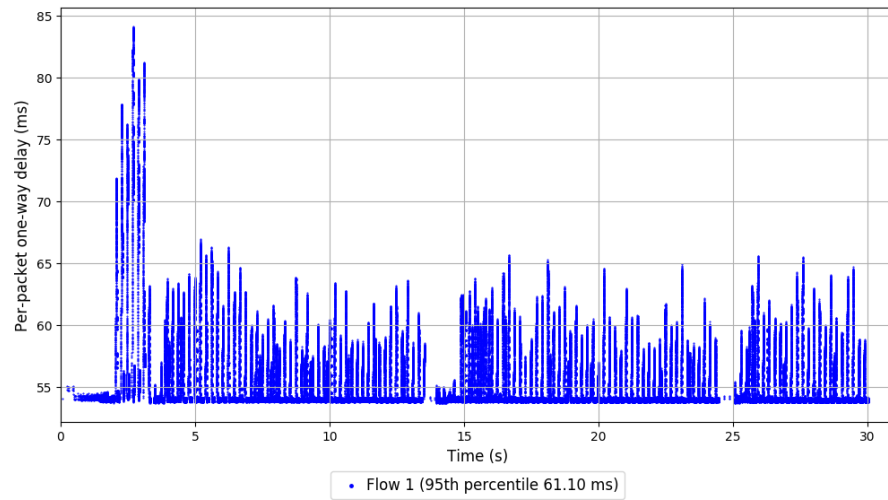
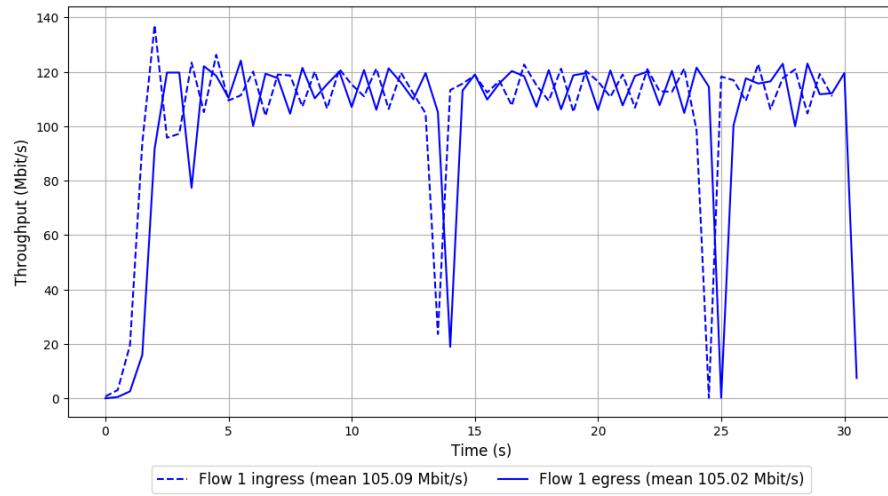


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 00:03:51
End at: 2018-05-22 00:04:22
Local clock offset: 2.431 ms
Remote clock offset: -34.482 ms

Below is generated by plot.py at 2018-05-22 01:42:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.02 Mbit/s
95th percentile per-packet one-way delay: 61.101 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 105.02 Mbit/s
95th percentile per-packet one-way delay: 61.101 ms
Loss rate: 0.07%

Run 6: Report of TCP BBR — Data Link

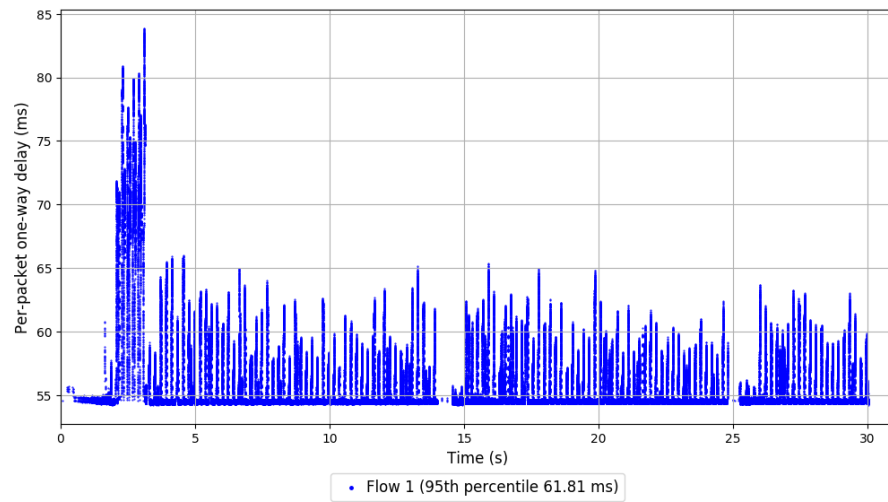
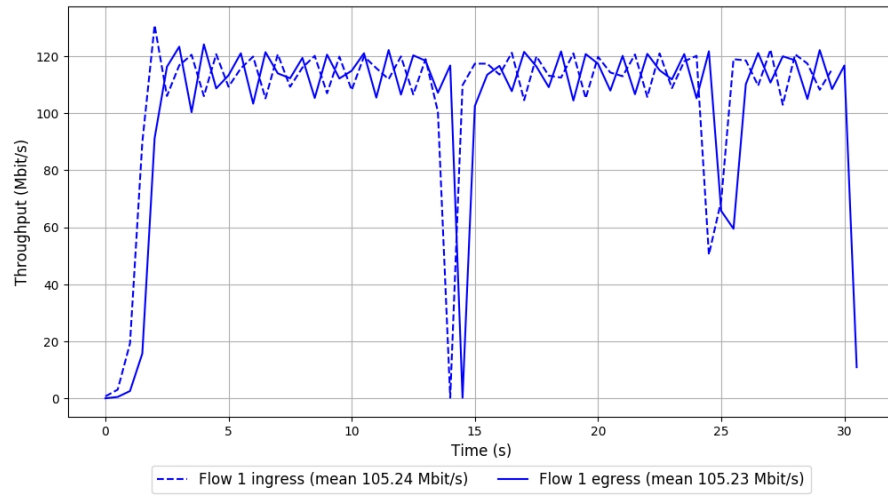


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 00:30:06
End at: 2018-05-22 00:30:36
Local clock offset: 1.7 ms
Remote clock offset: -35.113 ms

Below is generated by plot.py at 2018-05-22 01:42:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.23 Mbit/s
95th percentile per-packet one-way delay: 61.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.23 Mbit/s
95th percentile per-packet one-way delay: 61.810 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

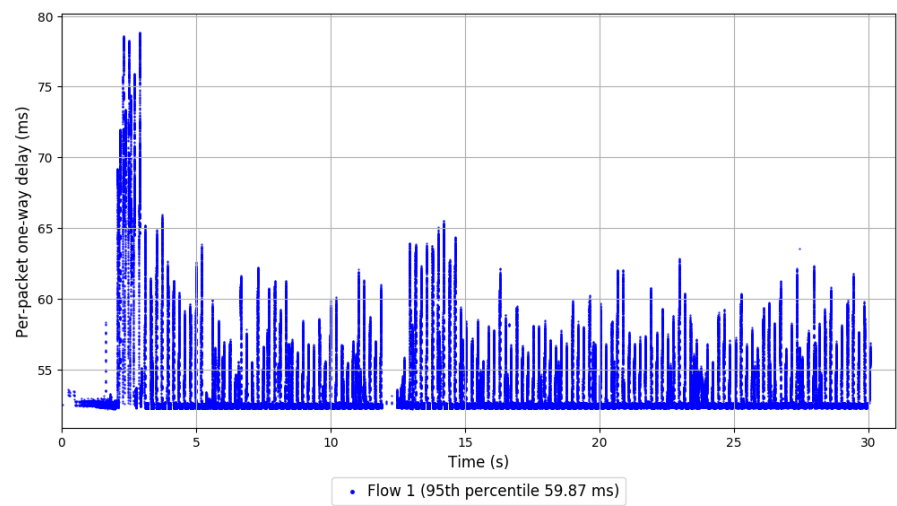
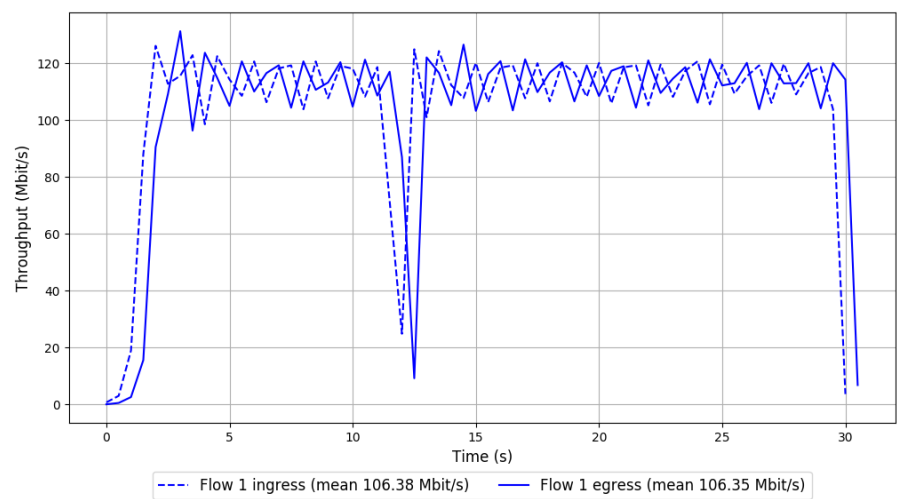


Run 8: Statistics of TCP BBR

Start at: 2018-05-22 00:50:42
End at: 2018-05-22 00:51:12
Local clock offset: 2.268 ms
Remote clock offset: -39.958 ms

Below is generated by plot.py at 2018-05-22 01:42:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.35 Mbit/s
95th percentile per-packet one-way delay: 59.865 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 106.35 Mbit/s
95th percentile per-packet one-way delay: 59.865 ms
Loss rate: 0.03%

Run 8: Report of TCP BBR — Data Link

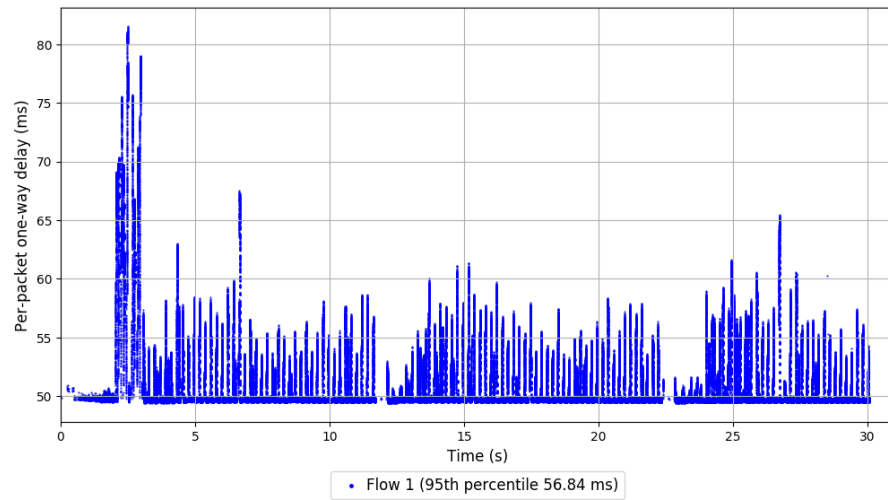
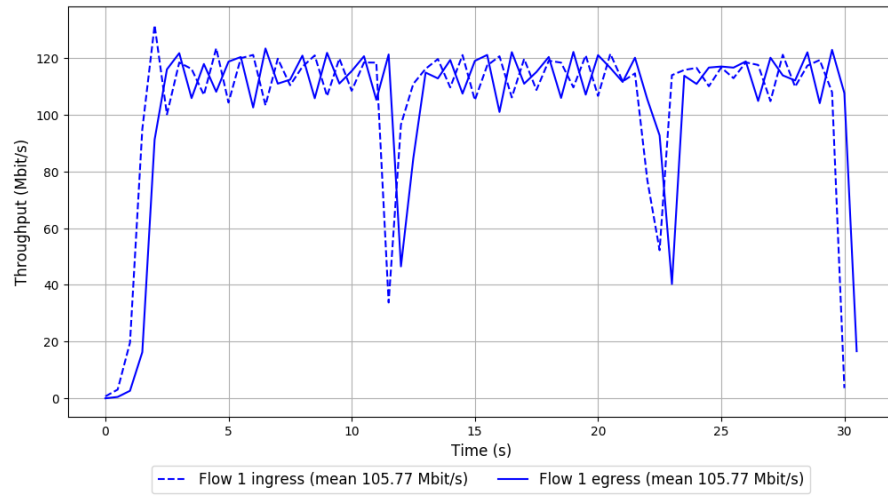


Run 9: Statistics of TCP BBR

Start at: 2018-05-22 01:11:17
End at: 2018-05-22 01:11:47
Local clock offset: -0.848 ms
Remote clock offset: -41.776 ms

Below is generated by plot.py at 2018-05-22 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.77 Mbit/s
95th percentile per-packet one-way delay: 56.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.77 Mbit/s
95th percentile per-packet one-way delay: 56.840 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

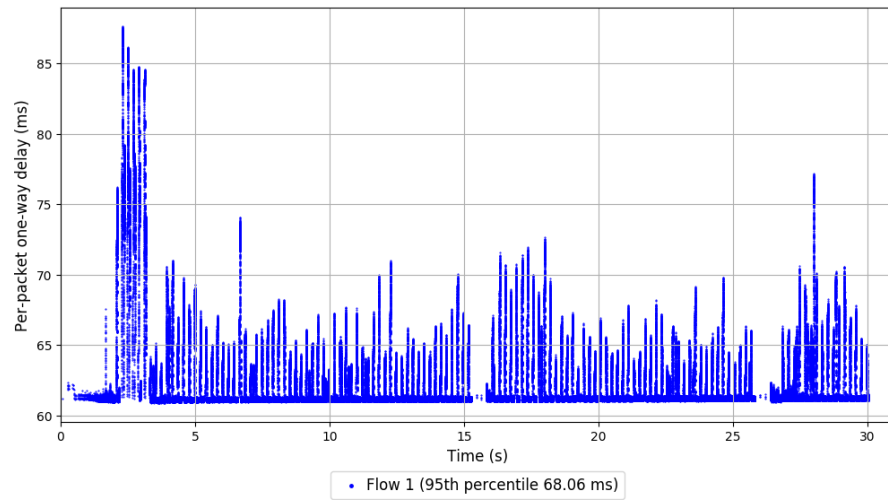
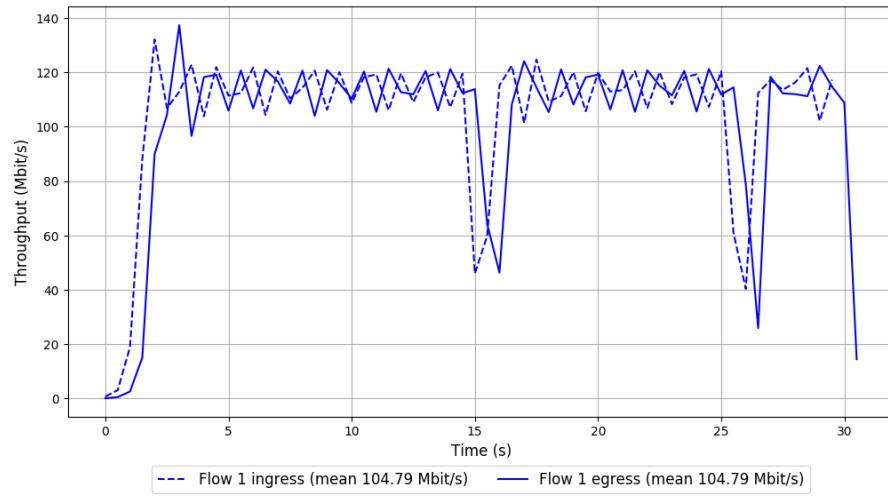


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 01:31:50
End at: 2018-05-22 01:32:20
Local clock offset: -1.303 ms
Remote clock offset: -34.766 ms

Below is generated by plot.py at 2018-05-22 01:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.79 Mbit/s
95th percentile per-packet one-way delay: 68.065 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.79 Mbit/s
95th percentile per-packet one-way delay: 68.065 ms
Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link

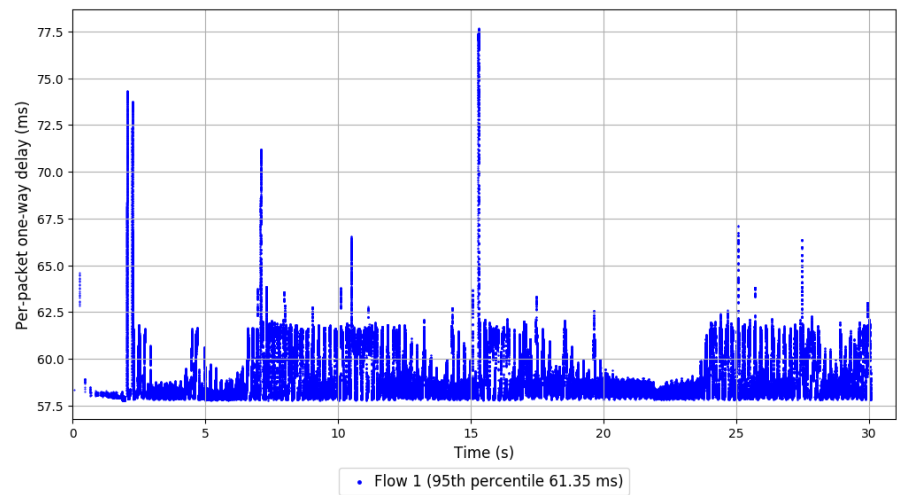
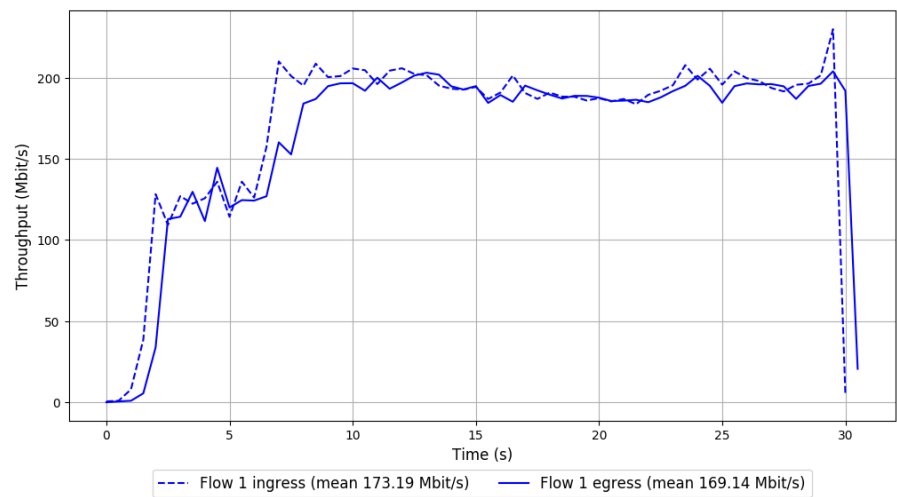


Run 1: Statistics of Copa

Start at: 2018-05-21 22:05:50
End at: 2018-05-21 22:06:20
Local clock offset: 2.039 ms
Remote clock offset: -34.288 ms

Below is generated by plot.py at 2018-05-22 01:46:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 61.354 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 61.354 ms
Loss rate: 2.34%

Run 1: Report of Copa — Data Link

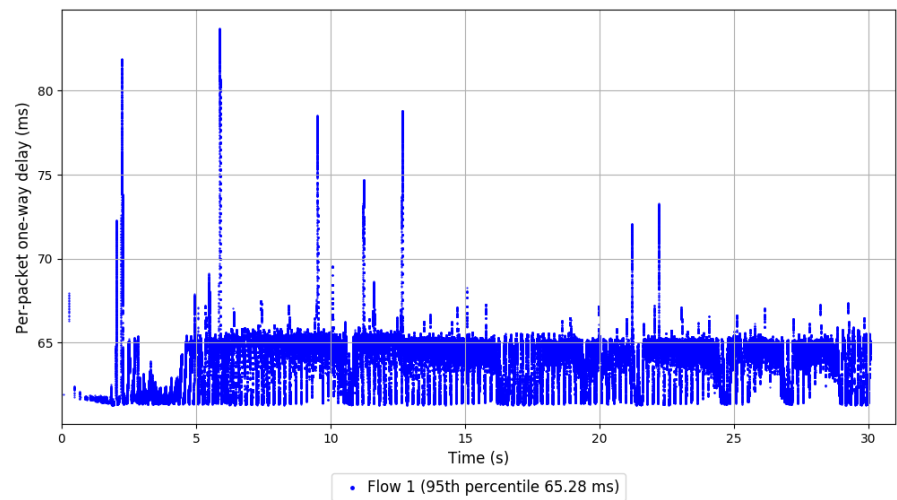
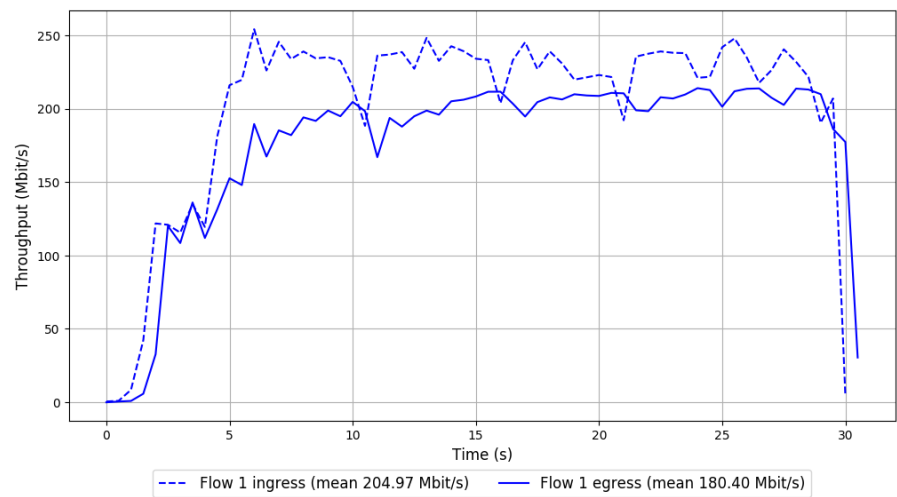


Run 2: Statistics of Copa

Start at: 2018-05-21 22:26:34
End at: 2018-05-21 22:27:04
Local clock offset: -1.381 ms
Remote clock offset: -31.628 ms

Below is generated by plot.py at 2018-05-22 01:46:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.40 Mbit/s
95th percentile per-packet one-way delay: 65.280 ms
Loss rate: 11.98%
-- Flow 1:
Average throughput: 180.40 Mbit/s
95th percentile per-packet one-way delay: 65.280 ms
Loss rate: 11.98%

Run 2: Report of Copa — Data Link

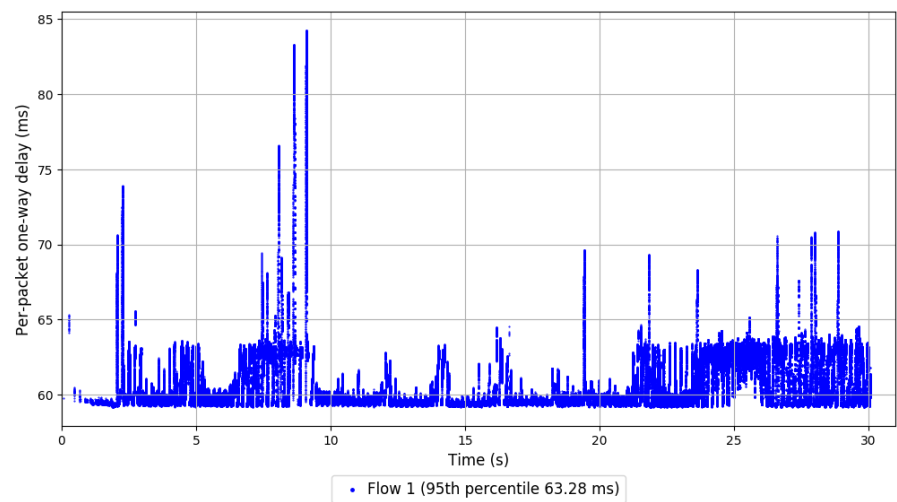
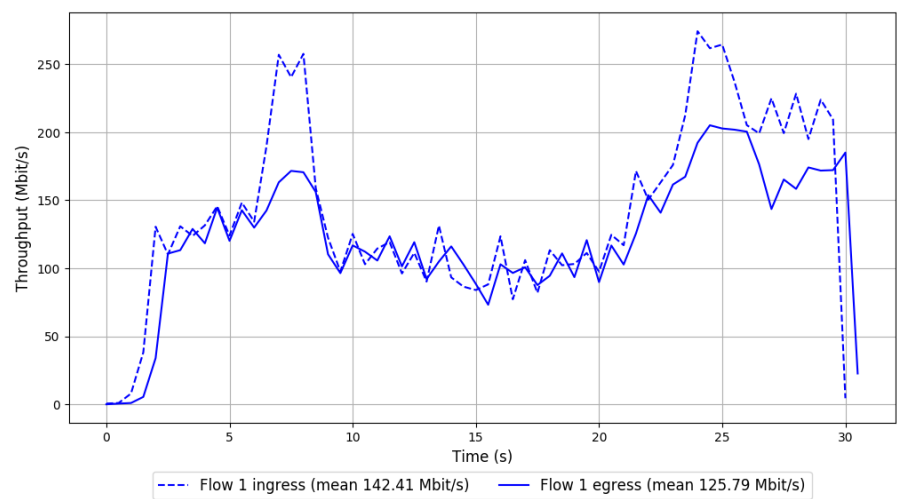


Run 3: Statistics of Copa

Start at: 2018-05-21 22:52:51
End at: 2018-05-21 22:53:21
Local clock offset: -0.031 ms
Remote clock offset: -33.658 ms

Below is generated by plot.py at 2018-05-22 01:46:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.79 Mbit/s
95th percentile per-packet one-way delay: 63.277 ms
Loss rate: 11.67%
-- Flow 1:
Average throughput: 125.79 Mbit/s
95th percentile per-packet one-way delay: 63.277 ms
Loss rate: 11.67%

Run 3: Report of Copa — Data Link

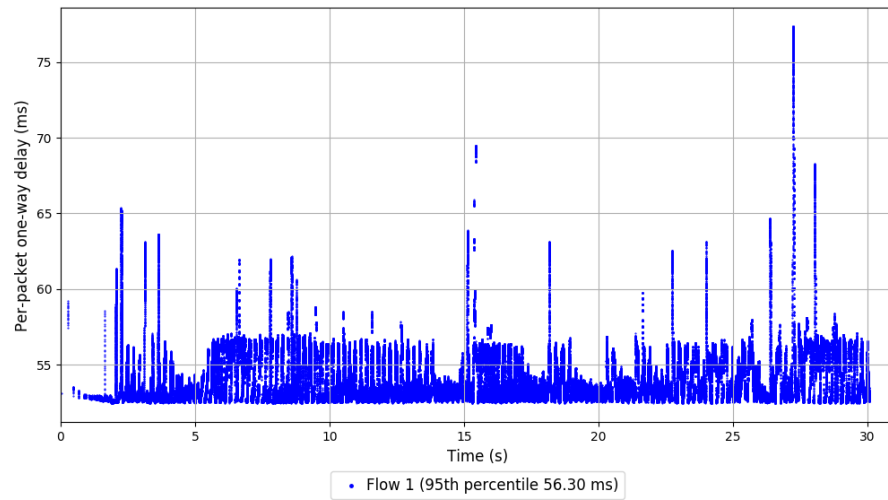
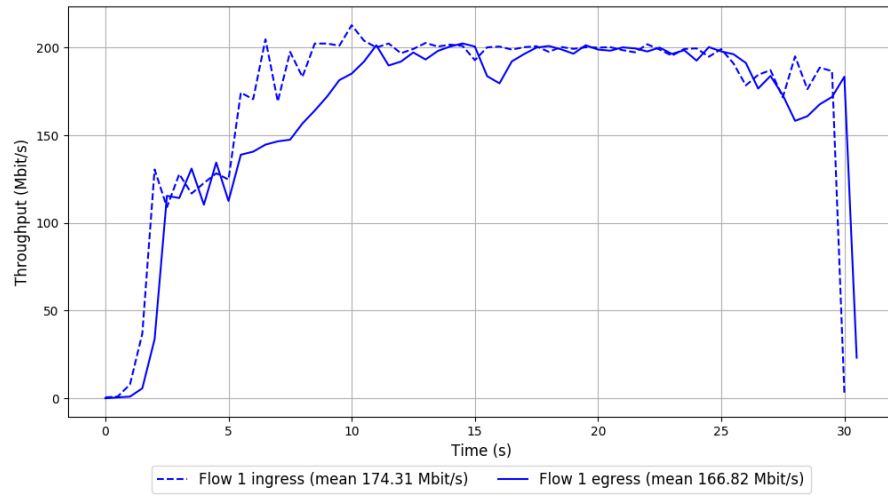


Run 4: Statistics of Copa

Start at: 2018-05-21 23:19:09
End at: 2018-05-21 23:19:40
Local clock offset: -0.205 ms
Remote clock offset: -40.038 ms

Below is generated by plot.py at 2018-05-22 01:46:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.82 Mbit/s
95th percentile per-packet one-way delay: 56.300 ms
Loss rate: 4.31%
-- Flow 1:
Average throughput: 166.82 Mbit/s
95th percentile per-packet one-way delay: 56.300 ms
Loss rate: 4.31%

Run 4: Report of Copa — Data Link

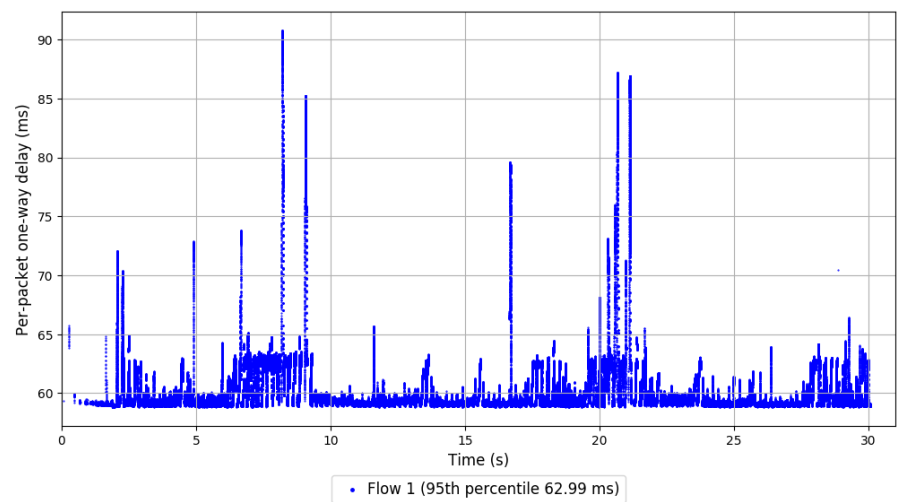
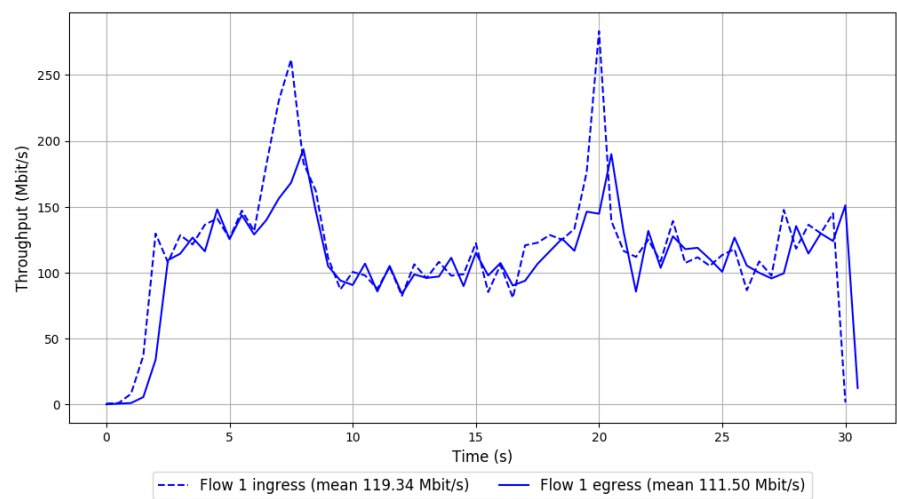


Run 5: Statistics of Copa

Start at: 2018-05-21 23:39:46
End at: 2018-05-21 23:40:16
Local clock offset: -0.252 ms
Remote clock offset: -34.836 ms

Below is generated by plot.py at 2018-05-22 01:46:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.50 Mbit/s
95th percentile per-packet one-way delay: 62.990 ms
Loss rate: 6.58%
-- Flow 1:
Average throughput: 111.50 Mbit/s
95th percentile per-packet one-way delay: 62.990 ms
Loss rate: 6.58%

Run 5: Report of Copa — Data Link

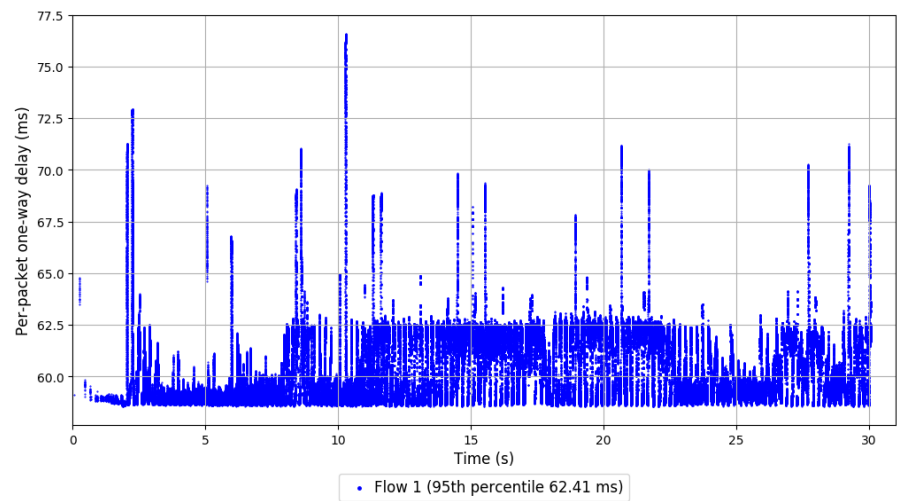
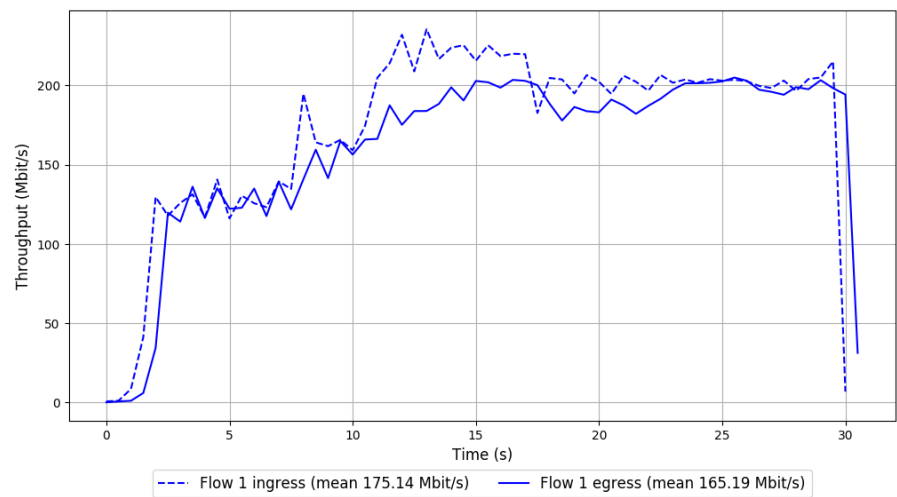


Run 6: Statistics of Copa

Start at: 2018-05-22 00:10:01
End at: 2018-05-22 00:10:31
Local clock offset: -0.951 ms
Remote clock offset: -32.646 ms

Below is generated by plot.py at 2018-05-22 01:46:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.19 Mbit/s
95th percentile per-packet one-way delay: 62.415 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 165.19 Mbit/s
95th percentile per-packet one-way delay: 62.415 ms
Loss rate: 5.67%

Run 6: Report of Copa — Data Link

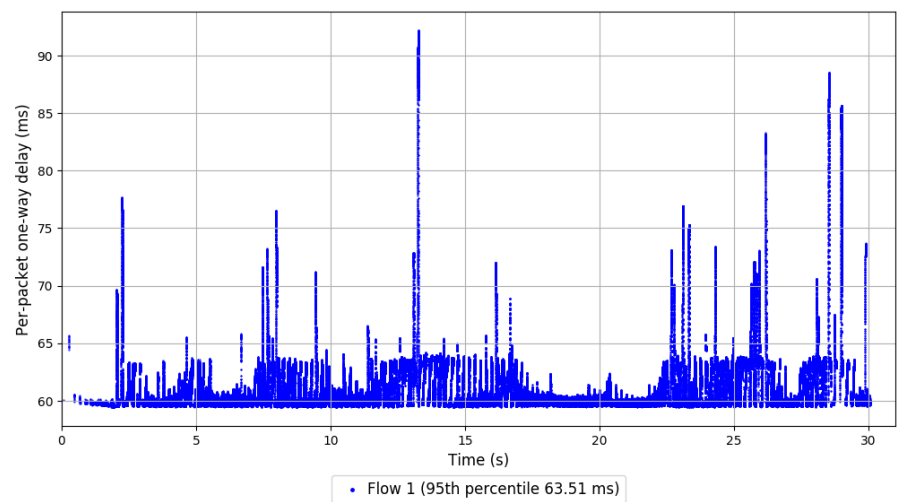
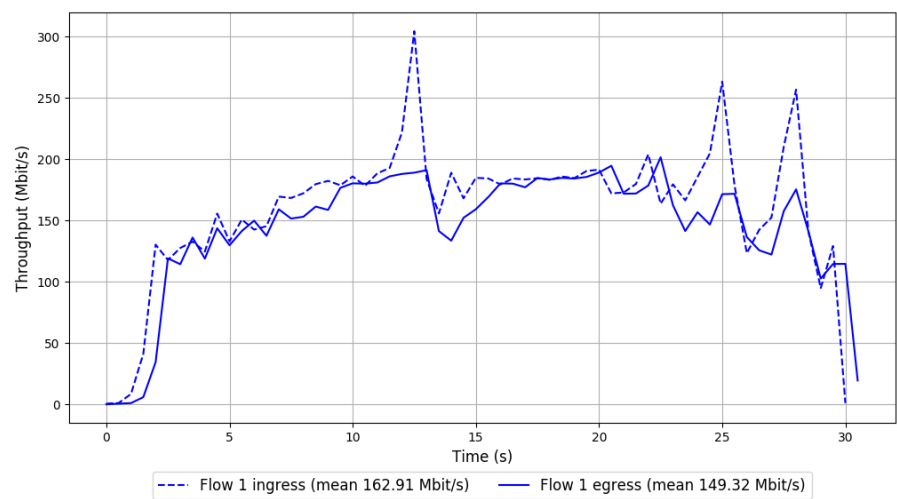


Run 7: Statistics of Copa

Start at: 2018-05-22 00:36:17
End at: 2018-05-22 00:36:47
Local clock offset: 1.158 ms
Remote clock offset: -30.43 ms

Below is generated by plot.py at 2018-05-22 01:47:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.32 Mbit/s
95th percentile per-packet one-way delay: 63.511 ms
Loss rate: 8.35%
-- Flow 1:
Average throughput: 149.32 Mbit/s
95th percentile per-packet one-way delay: 63.511 ms
Loss rate: 8.35%

Run 7: Report of Copa — Data Link

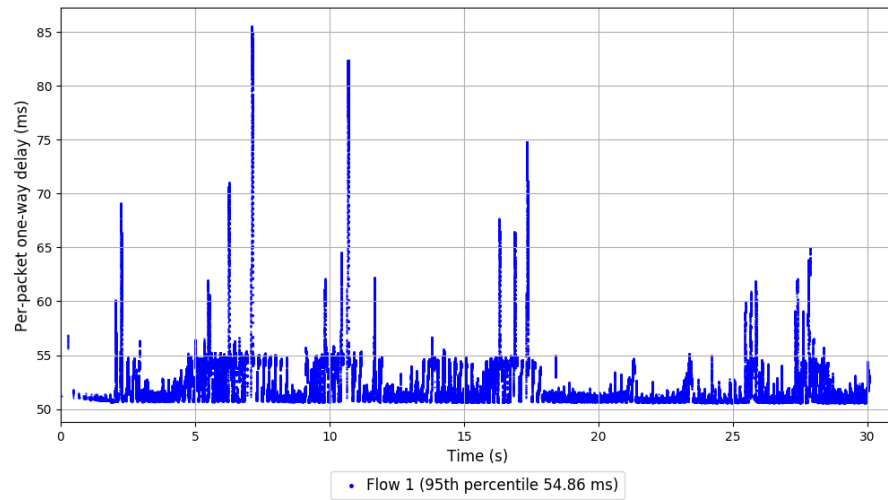
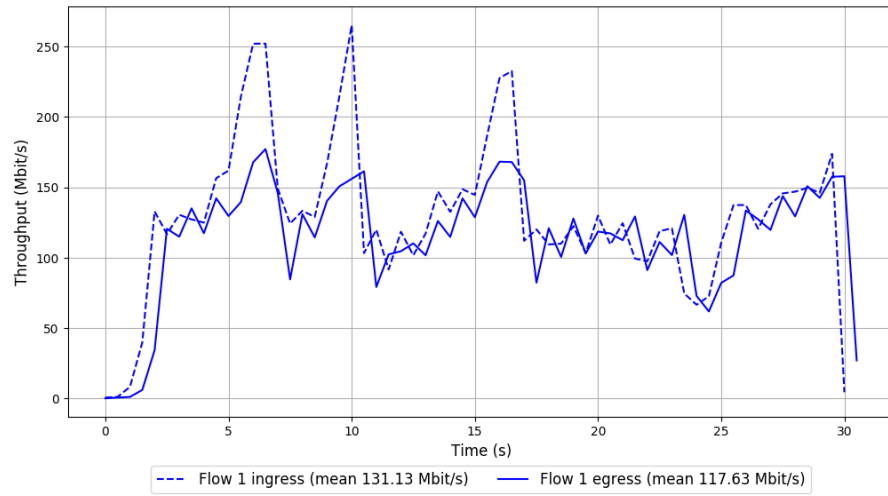


Run 8: Statistics of Copa

Start at: 2018-05-22 00:56:53
End at: 2018-05-22 00:57:23
Local clock offset: 2.185 ms
Remote clock offset: -39.537 ms

Below is generated by plot.py at 2018-05-22 01:47:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.63 Mbit/s
95th percentile per-packet one-way delay: 54.856 ms
Loss rate: 10.29%
-- Flow 1:
Average throughput: 117.63 Mbit/s
95th percentile per-packet one-way delay: 54.856 ms
Loss rate: 10.29%

Run 8: Report of Copa — Data Link

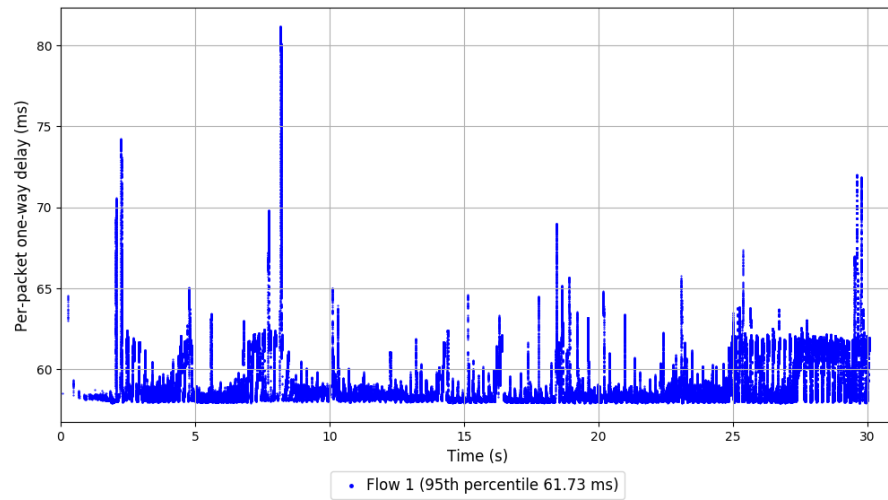
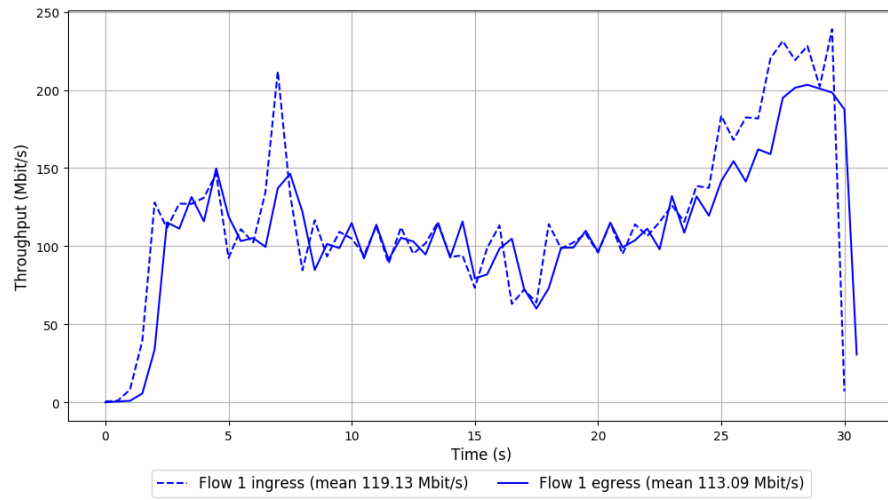


Run 9: Statistics of Copa

Start at: 2018-05-22 01:17:28
End at: 2018-05-22 01:17:58
Local clock offset: -2.596 ms
Remote clock offset: -35.065 ms

Below is generated by plot.py at 2018-05-22 01:47:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.09 Mbit/s
95th percentile per-packet one-way delay: 61.727 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 113.09 Mbit/s
95th percentile per-packet one-way delay: 61.727 ms
Loss rate: 5.06%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 01:38:01

End at: 2018-05-22 01:38:31

Local clock offset: 2.092 ms

Remote clock offset: -33.821 ms

Below is generated by plot.py at 2018-05-22 01:48:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.12 Mbit/s

95th percentile per-packet one-way delay: 63.478 ms

Loss rate: 11.24%

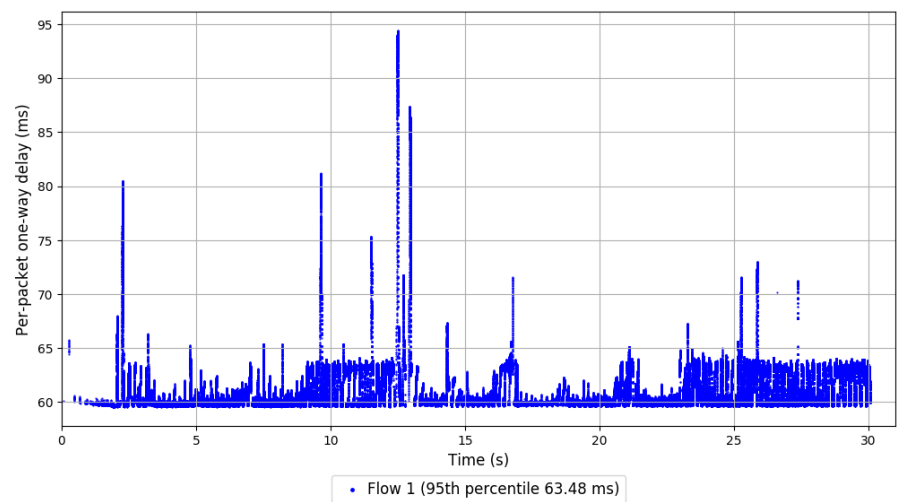
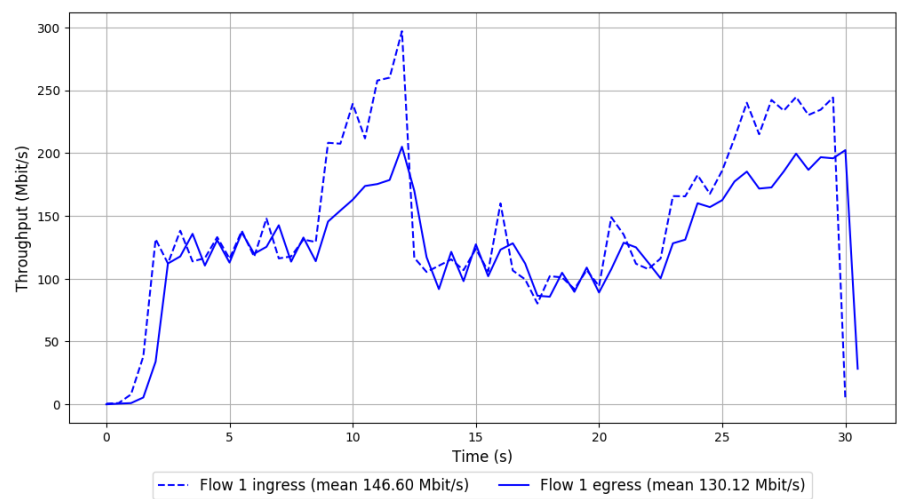
-- Flow 1:

Average throughput: 130.12 Mbit/s

95th percentile per-packet one-way delay: 63.478 ms

Loss rate: 11.24%

Run 10: Report of Copa — Data Link

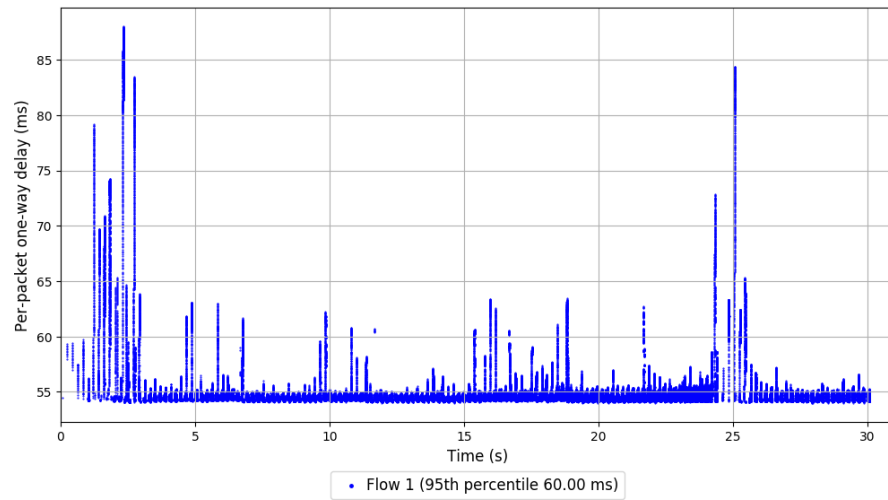
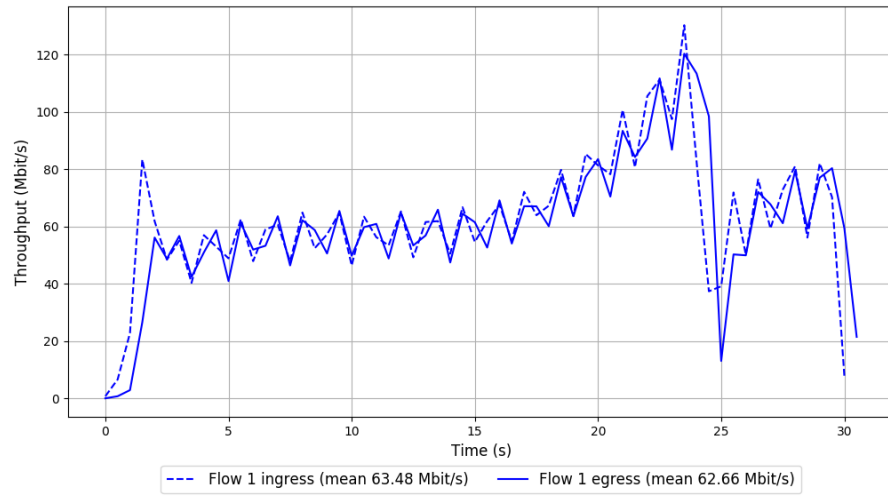


Run 1: Statistics of TCP Cubic

Start at: 2018-05-21 21:50:17
End at: 2018-05-21 21:50:47
Local clock offset: -1.744 ms
Remote clock offset: -38.184 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 60.003 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 60.003 ms
Loss rate: 1.30%

Run 1: Report of TCP Cubic — Data Link

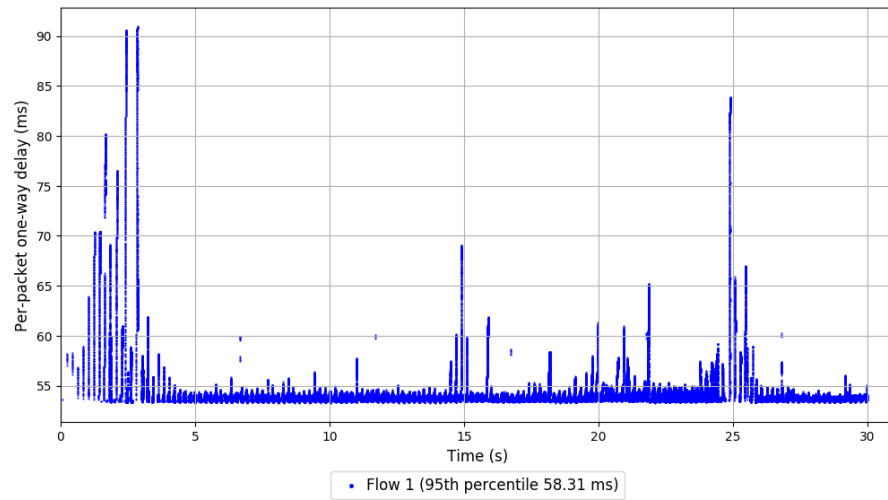
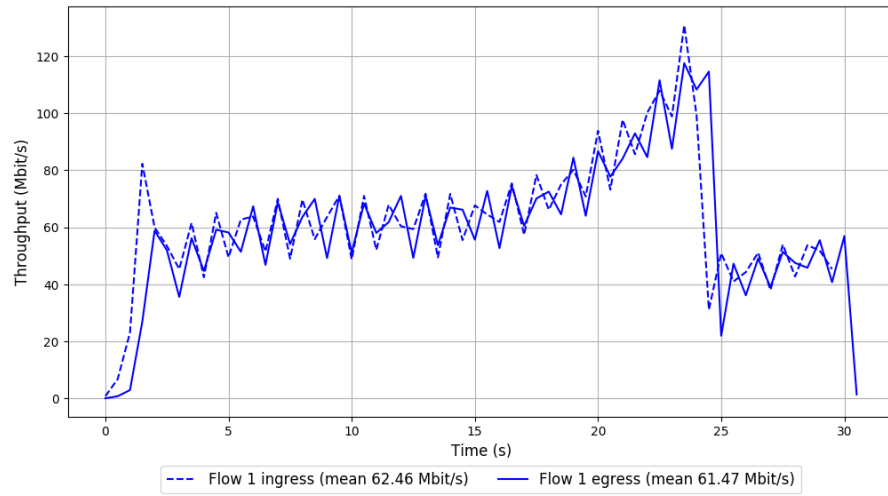


Run 2: Statistics of TCP Cubic

Start at: 2018-05-21 22:16:27
End at: 2018-05-21 22:16:57
Local clock offset: 2.937 ms
Remote clock offset: -38.156 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 58.309 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 58.309 ms
Loss rate: 1.59%

Run 2: Report of TCP Cubic — Data Link

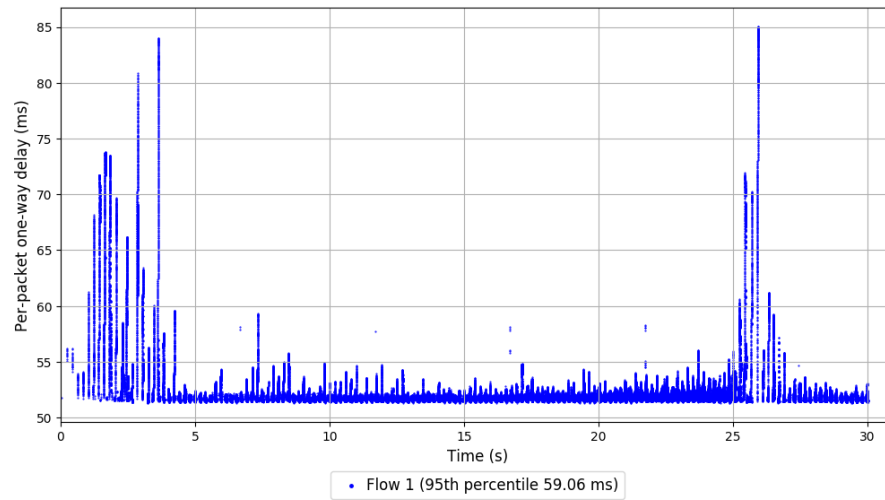
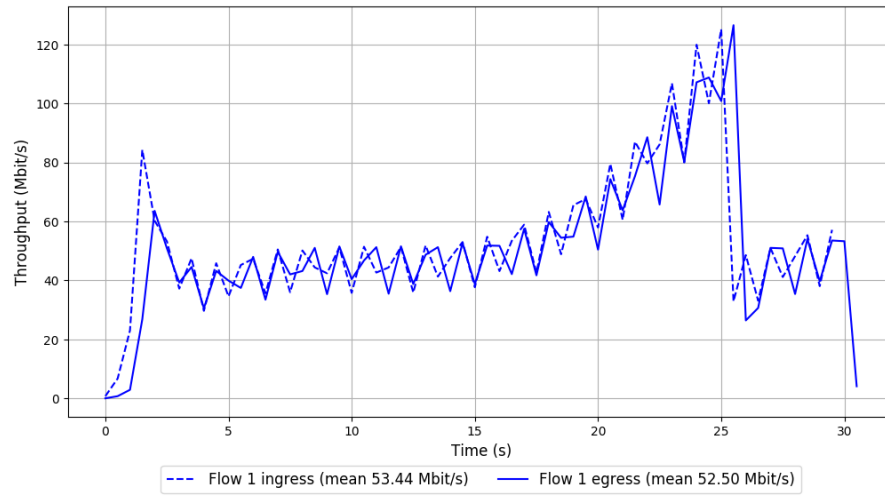


Run 3: Statistics of TCP Cubic

Start at: 2018-05-21 22:42:45
End at: 2018-05-21 22:43:15
Local clock offset: -3.025 ms
Remote clock offset: -42.67 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 59.064 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 59.064 ms
Loss rate: 1.77%

Run 3: Report of TCP Cubic — Data Link

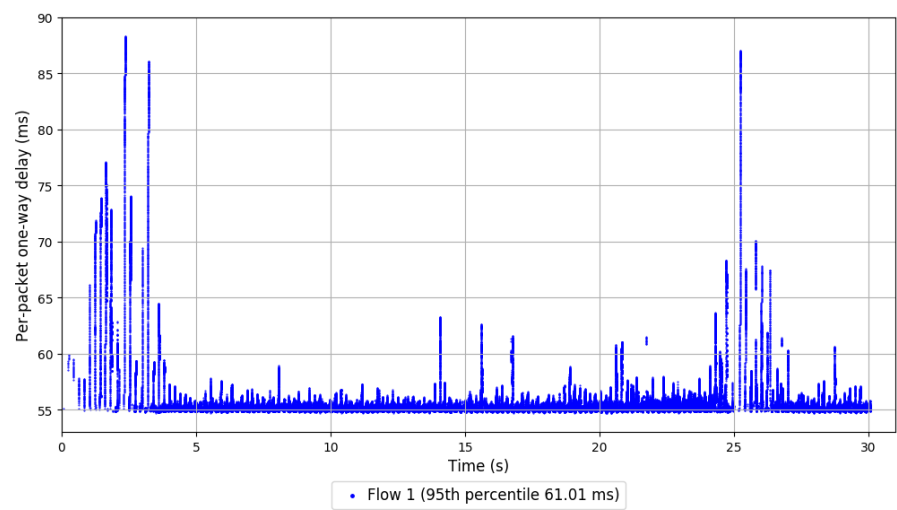
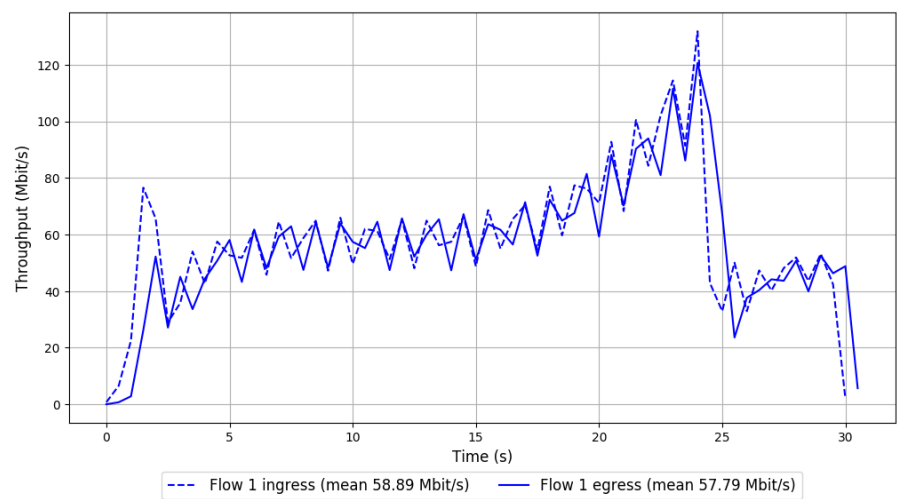


Run 4: Statistics of TCP Cubic

Start at: 2018-05-21 23:09:00
End at: 2018-05-21 23:09:30
Local clock offset: -2.076 ms
Remote clock offset: -37.757 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 61.005 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 61.005 ms
Loss rate: 1.87%

Run 4: Report of TCP Cubic — Data Link

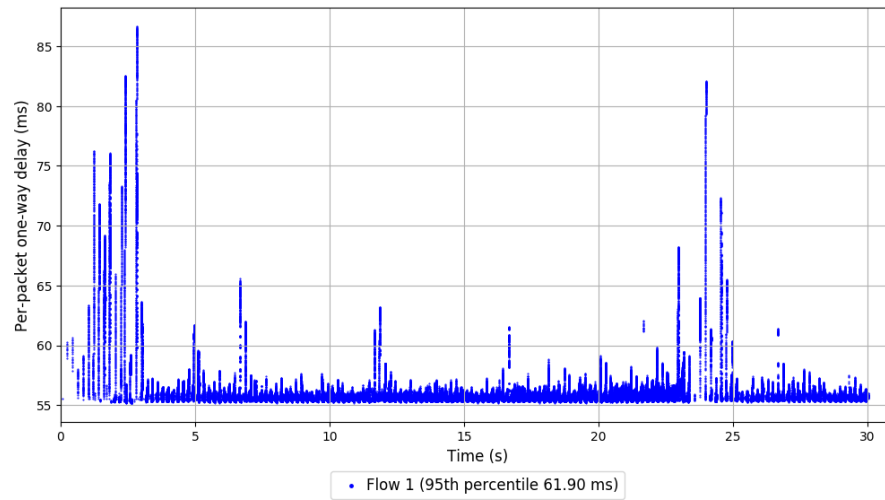
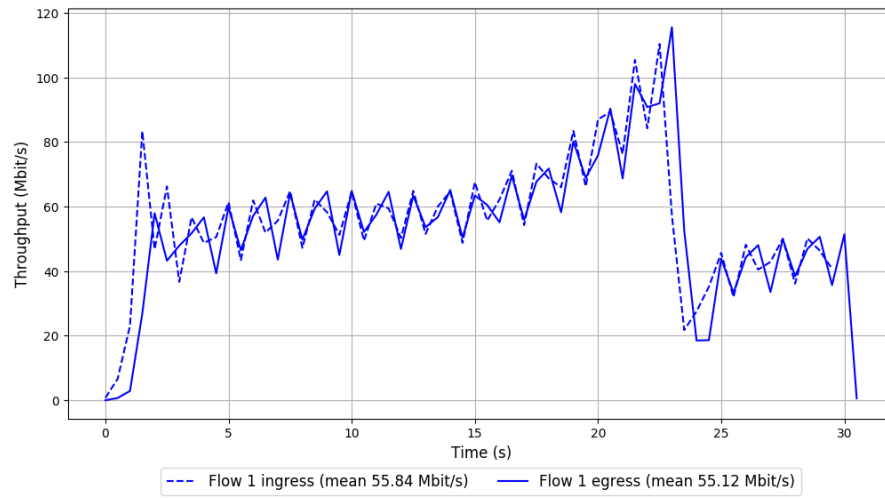


Run 5: Statistics of TCP Cubic

Start at: 2018-05-21 23:29:37
End at: 2018-05-21 23:30:07
Local clock offset: 1.375 ms
Remote clock offset: -33.622 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 61.895 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 61.895 ms
Loss rate: 1.28%

Run 5: Report of TCP Cubic — Data Link

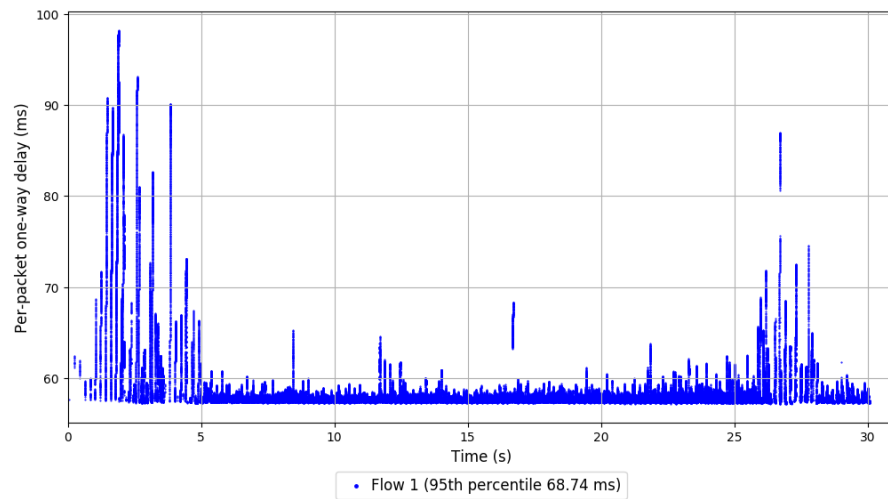
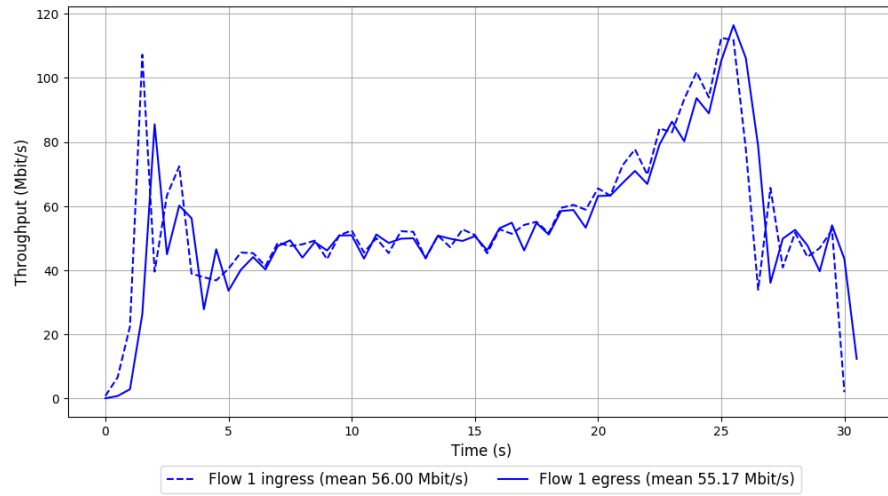


Run 6: Statistics of TCP Cubic

Start at: 2018-05-21 23:59:52
End at: 2018-05-22 00:00:22
Local clock offset: -0.215 ms
Remote clock offset: -33.793 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 68.737 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 68.737 ms
Loss rate: 1.49%

Run 6: Report of TCP Cubic — Data Link

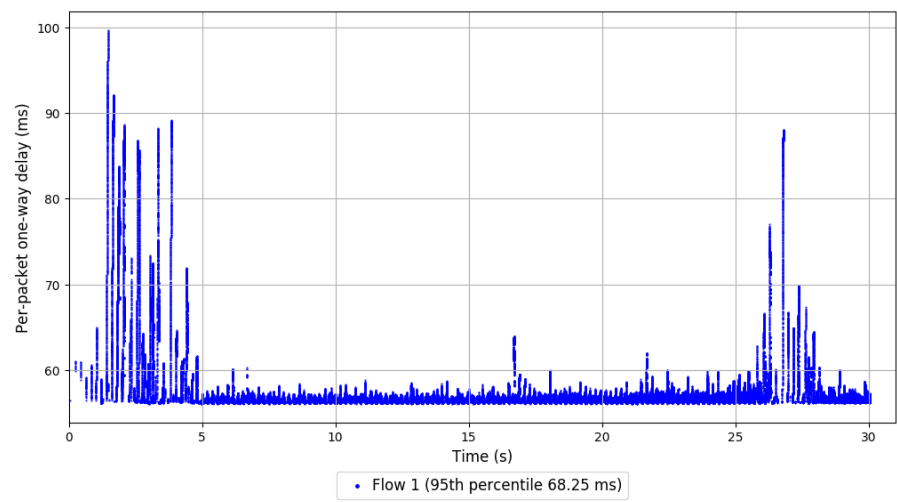
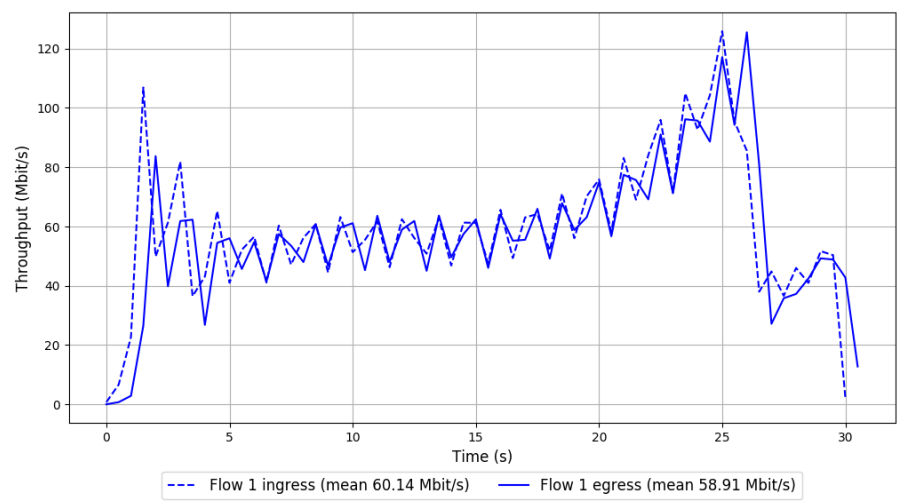


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 00:20:30
End at: 2018-05-22 00:21:00
Local clock offset: -0.668 ms
Remote clock offset: -34.914 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 68.245 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 68.245 ms
Loss rate: 2.04%

Run 7: Report of TCP Cubic — Data Link

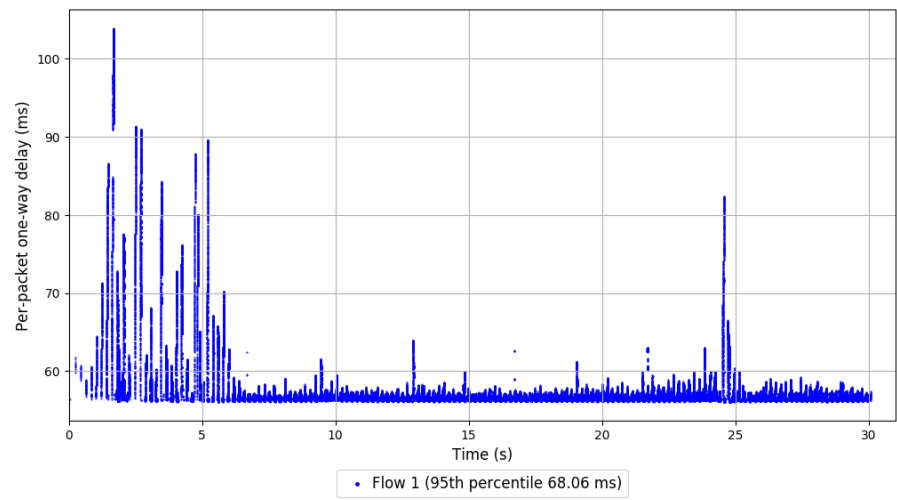
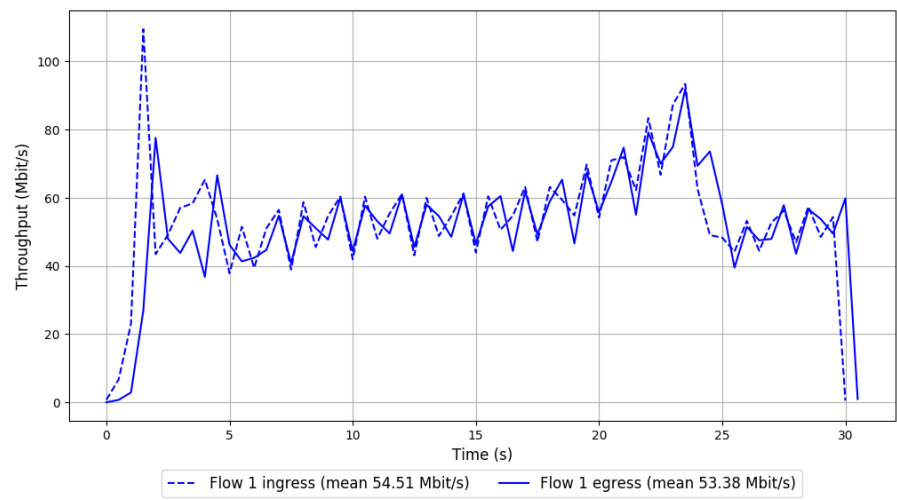


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 00:46:47
End at: 2018-05-22 00:47:17
Local clock offset: 0.833 ms
Remote clock offset: -35.256 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 68.062 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 68.062 ms
Loss rate: 2.07%

Run 8: Report of TCP Cubic — Data Link

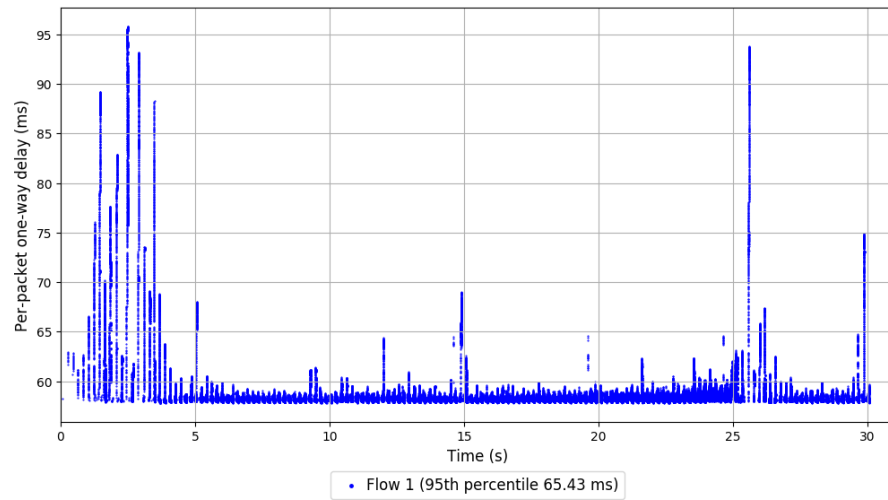
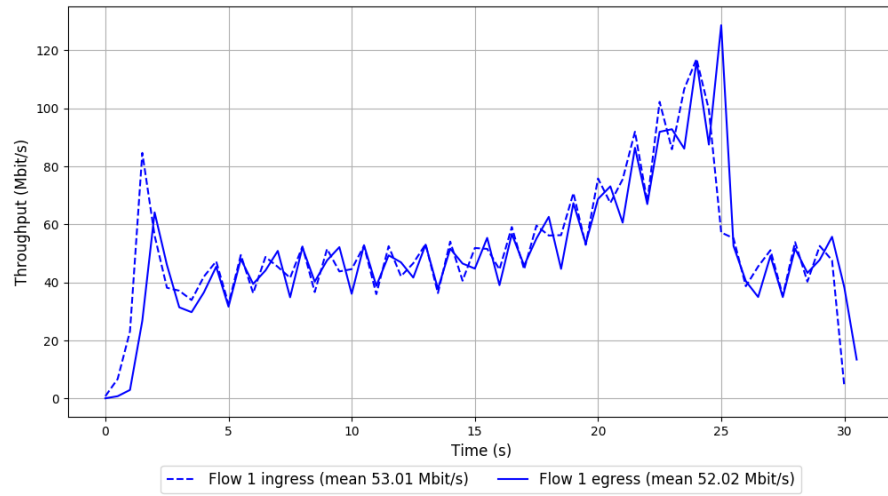


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 01:07:20
End at: 2018-05-22 01:07:50
Local clock offset: -1.834 ms
Remote clock offset: -34.708 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 65.431 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 65.431 ms
Loss rate: 1.88%

Run 9: Report of TCP Cubic — Data Link

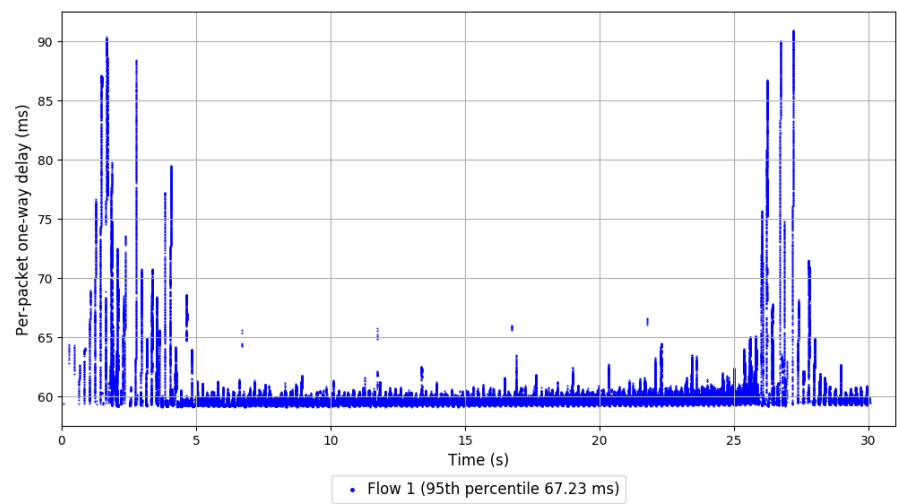
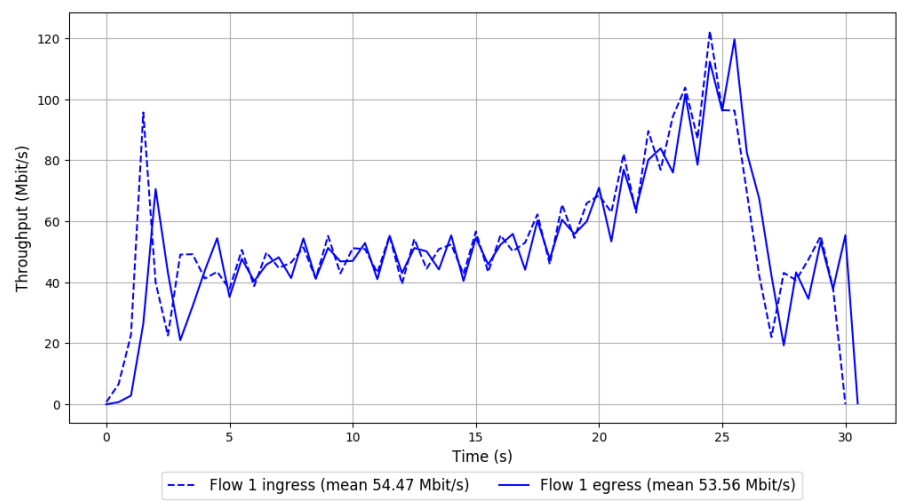


Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 01:27:54
End at: 2018-05-22 01:28:24
Local clock offset: -1.974 ms
Remote clock offset: -36.106 ms

Below is generated by plot.py at 2018-05-22 01:48:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 67.235 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 67.235 ms
Loss rate: 1.67%

Run 10: Report of TCP Cubic — Data Link

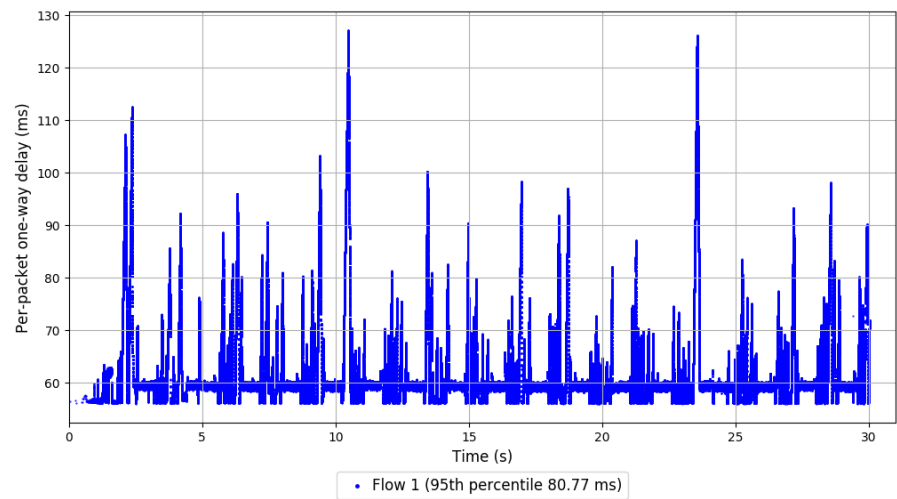
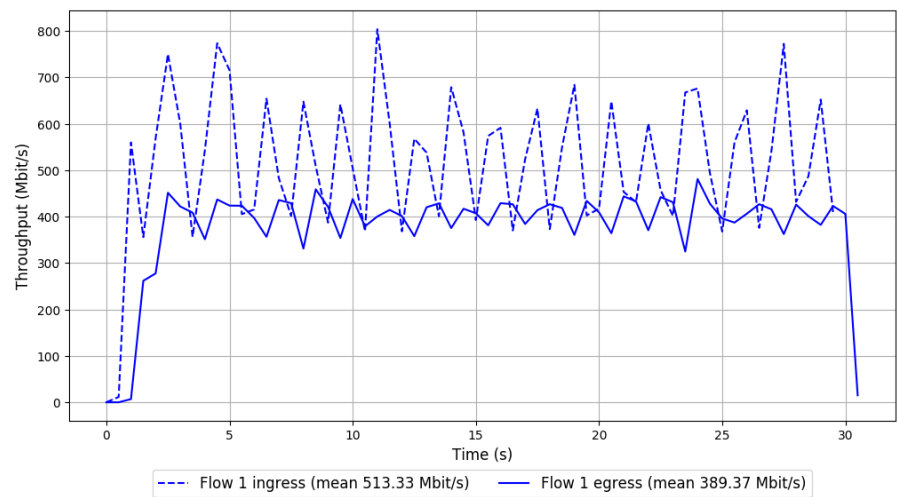


Run 1: Statistics of FillP

Start at: 2018-05-21 21:46:27
End at: 2018-05-21 21:46:57
Local clock offset: -2.49 ms
Remote clock offset: -37.525 ms

Below is generated by plot.py at 2018-05-22 01:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.37 Mbit/s
95th percentile per-packet one-way delay: 80.774 ms
Loss rate: 24.14%
-- Flow 1:
Average throughput: 389.37 Mbit/s
95th percentile per-packet one-way delay: 80.774 ms
Loss rate: 24.14%

Run 1: Report of FillP — Data Link

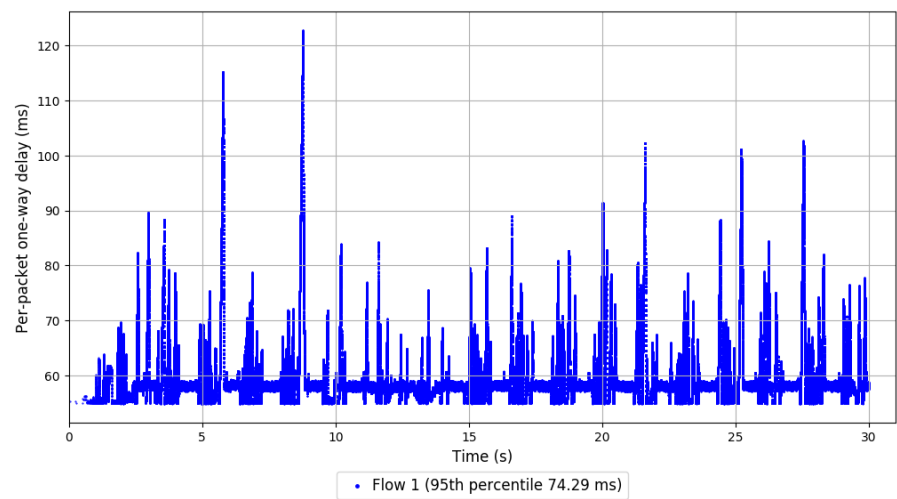
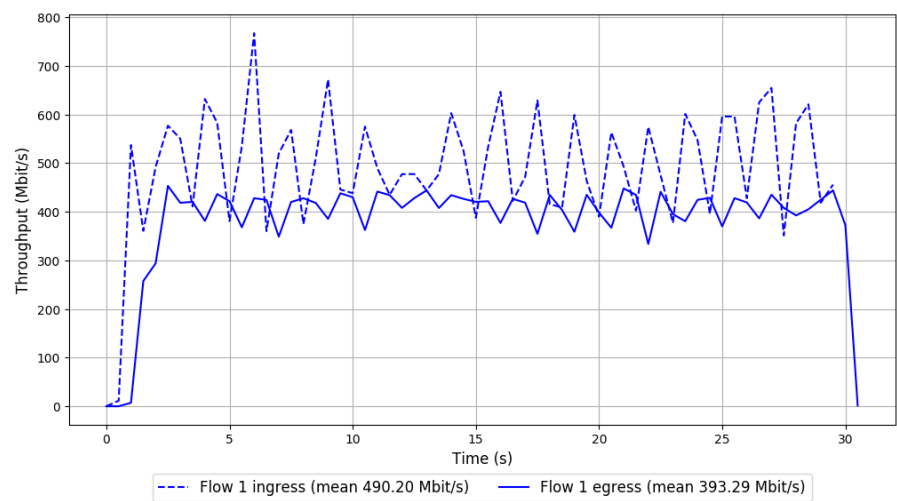


Run 2: Statistics of FillP

Start at: 2018-05-21 22:12:37
End at: 2018-05-21 22:13:07
Local clock offset: -0.2 ms
Remote clock offset: -37.421 ms

Below is generated by plot.py at 2018-05-22 01:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 393.29 Mbit/s
95th percentile per-packet one-way delay: 74.292 ms
Loss rate: 19.76%
-- Flow 1:
Average throughput: 393.29 Mbit/s
95th percentile per-packet one-way delay: 74.292 ms
Loss rate: 19.76%

Run 2: Report of FillP — Data Link

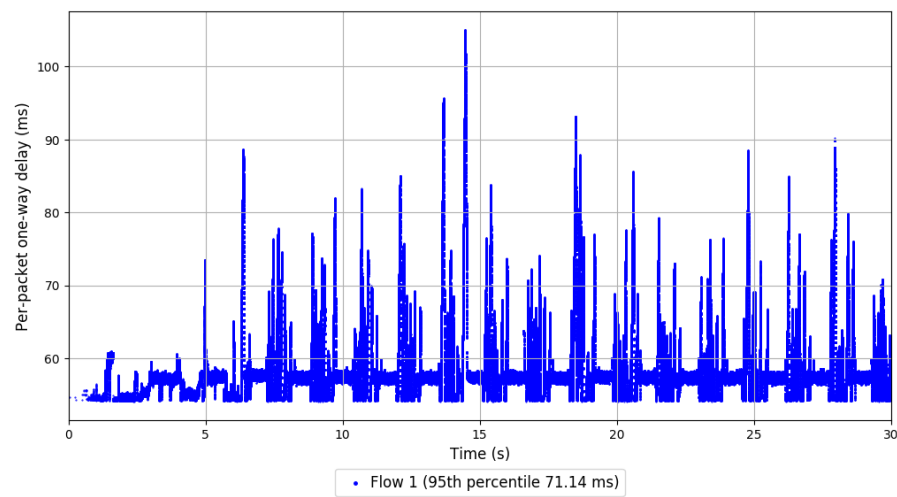
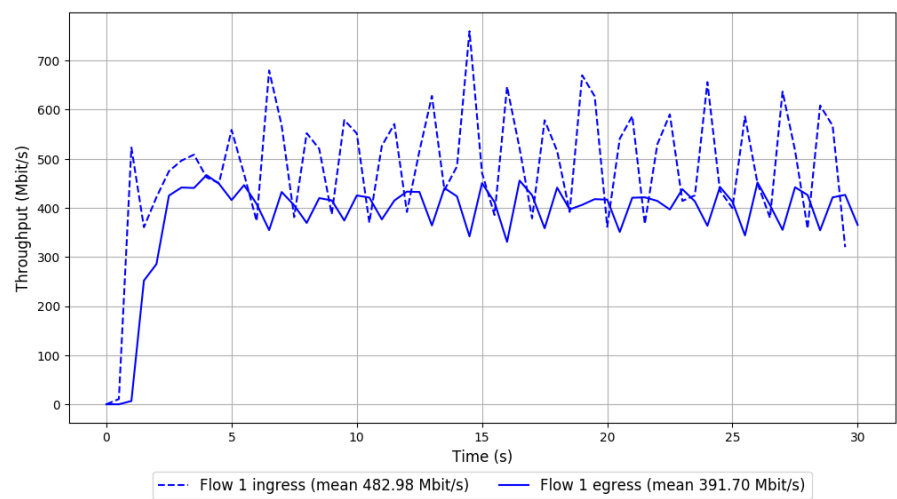


Run 3: Statistics of FillP

Start at: 2018-05-21 22:38:46
End at: 2018-05-21 22:39:16
Local clock offset: 1.85 ms
Remote clock offset: -37.584 ms

Below is generated by plot.py at 2018-05-22 01:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.70 Mbit/s
95th percentile per-packet one-way delay: 71.145 ms
Loss rate: 18.90%
-- Flow 1:
Average throughput: 391.70 Mbit/s
95th percentile per-packet one-way delay: 71.145 ms
Loss rate: 18.90%

Run 3: Report of FillP — Data Link

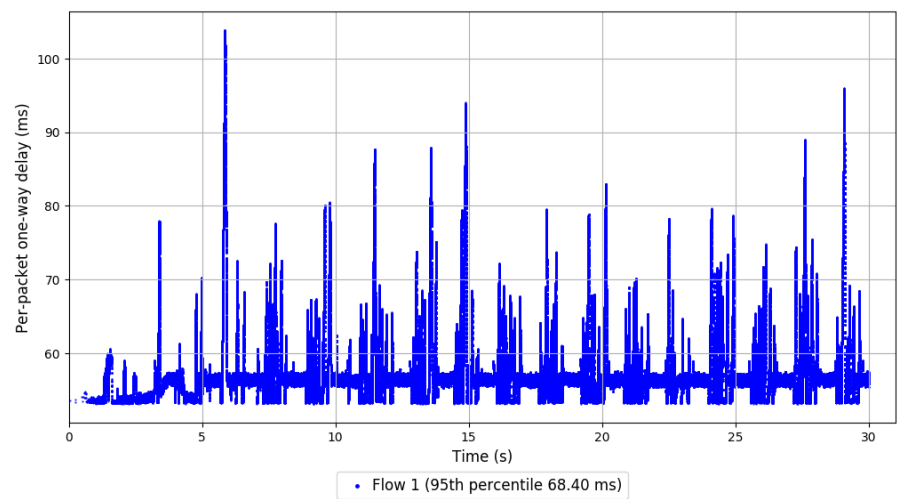
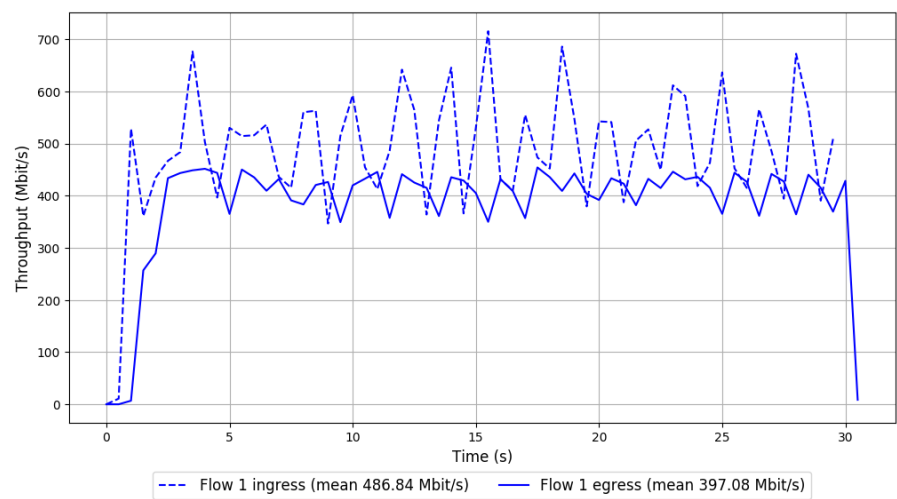


Run 4: Statistics of FillP

Start at: 2018-05-21 22:59:30
End at: 2018-05-21 23:00:00
Local clock offset: 0.69 ms
Remote clock offset: -36.283 ms

Below is generated by plot.py at 2018-05-22 01:53:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 397.08 Mbit/s
95th percentile per-packet one-way delay: 68.403 ms
Loss rate: 18.43%
-- Flow 1:
Average throughput: 397.08 Mbit/s
95th percentile per-packet one-way delay: 68.403 ms
Loss rate: 18.43%

Run 4: Report of FillP — Data Link

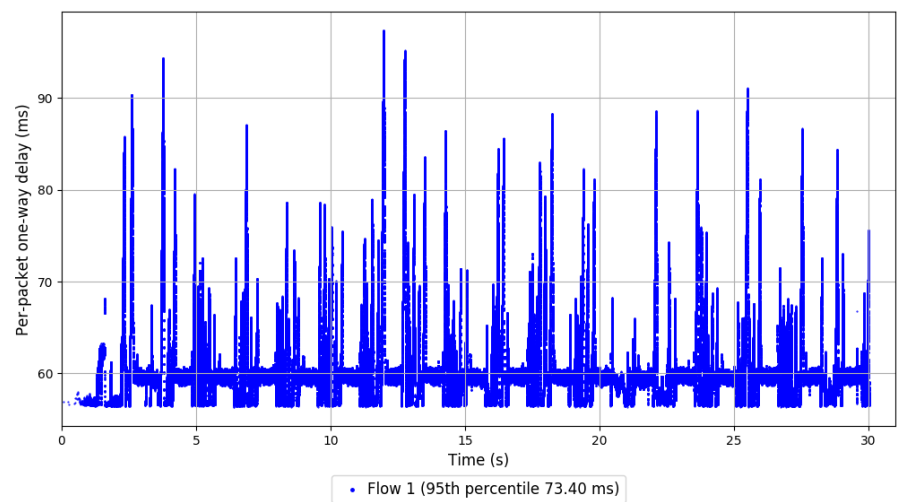
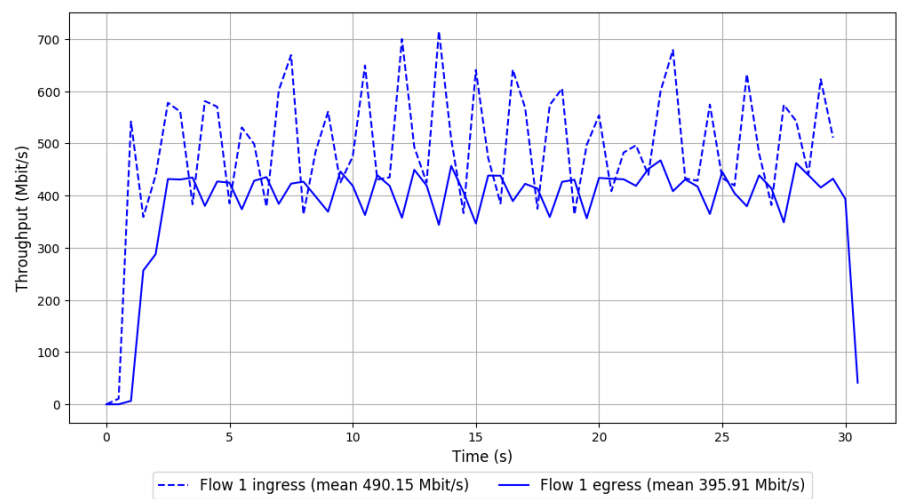


Run 5: Statistics of FillP

Start at: 2018-05-21 23:25:47
End at: 2018-05-21 23:26:17
Local clock offset: -0.392 ms
Remote clock offset: -33.416 ms

Below is generated by plot.py at 2018-05-22 01:53:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.91 Mbit/s
95th percentile per-packet one-way delay: 73.399 ms
Loss rate: 19.23%
-- Flow 1:
Average throughput: 395.91 Mbit/s
95th percentile per-packet one-way delay: 73.399 ms
Loss rate: 19.23%

Run 5: Report of FillP — Data Link

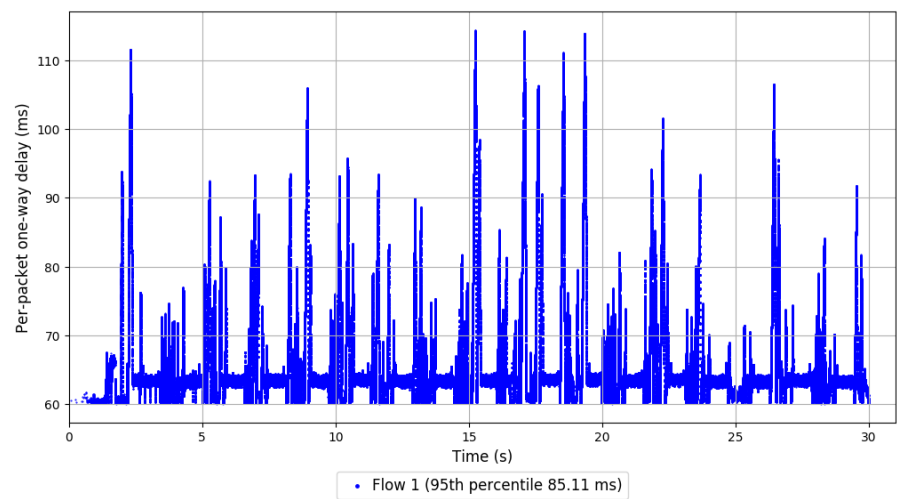
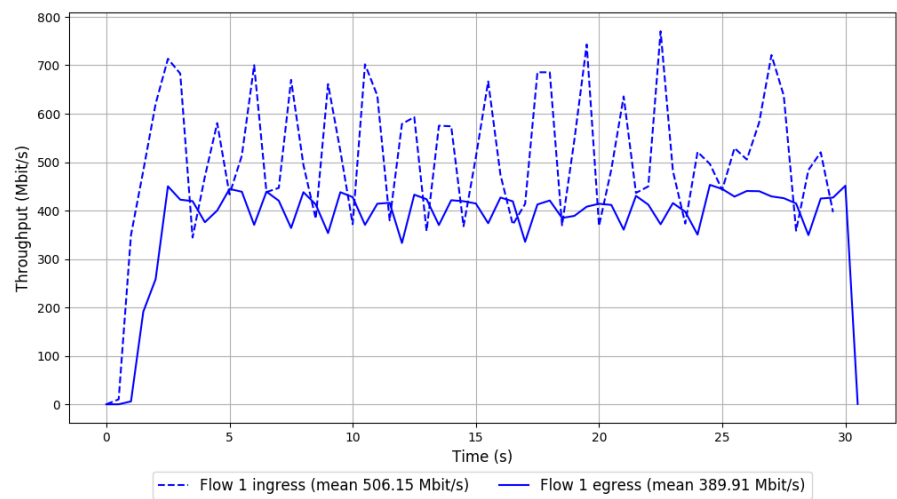


Run 6: Statistics of FillP

Start at: 2018-05-21 23:46:21
End at: 2018-05-21 23:46:51
Local clock offset: 1.794 ms
Remote clock offset: -31.57 ms

Below is generated by plot.py at 2018-05-22 01:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.91 Mbit/s
95th percentile per-packet one-way delay: 85.107 ms
Loss rate: 22.97%
-- Flow 1:
Average throughput: 389.91 Mbit/s
95th percentile per-packet one-way delay: 85.107 ms
Loss rate: 22.97%

Run 6: Report of FillP — Data Link

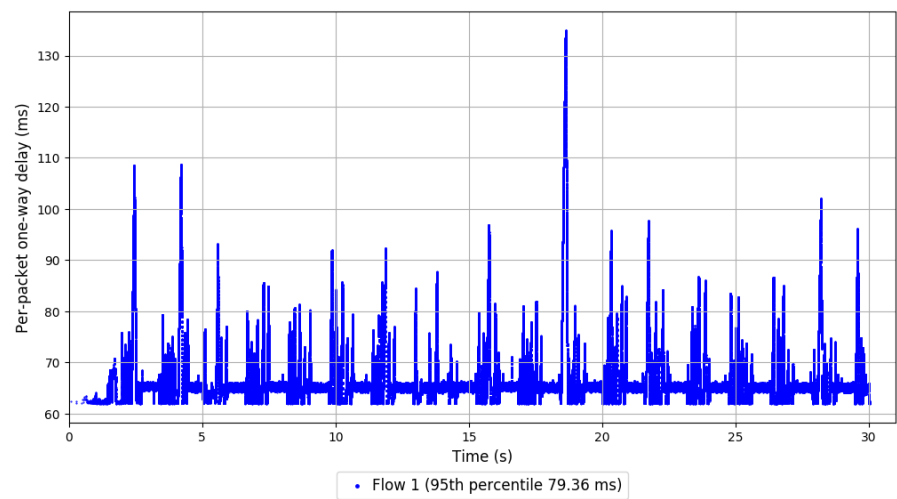
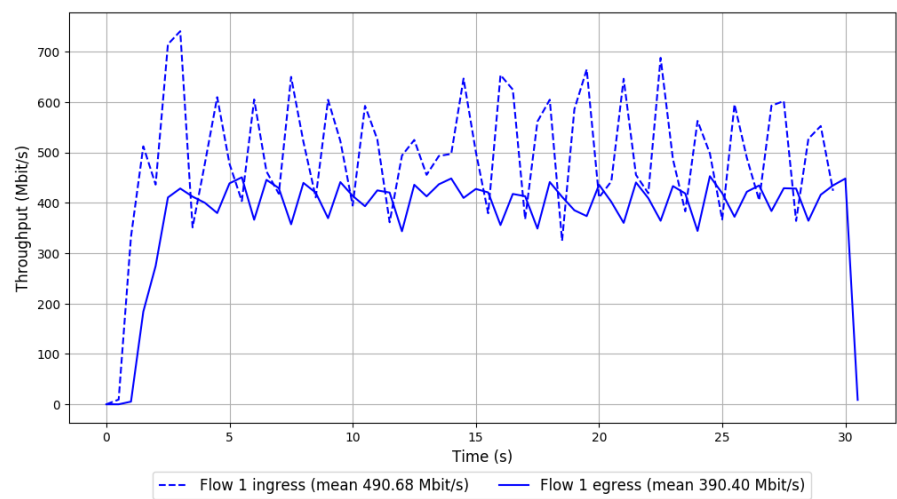


Run 7: Statistics of FillP

Start at: 2018-05-22 00:16:40
End at: 2018-05-22 00:17:10
Local clock offset: 1.575 ms
Remote clock offset: -28.918 ms

Below is generated by plot.py at 2018-05-22 01:53:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 390.40 Mbit/s
95th percentile per-packet one-way delay: 79.365 ms
Loss rate: 20.44%
-- Flow 1:
Average throughput: 390.40 Mbit/s
95th percentile per-packet one-way delay: 79.365 ms
Loss rate: 20.44%

Run 7: Report of FillP — Data Link

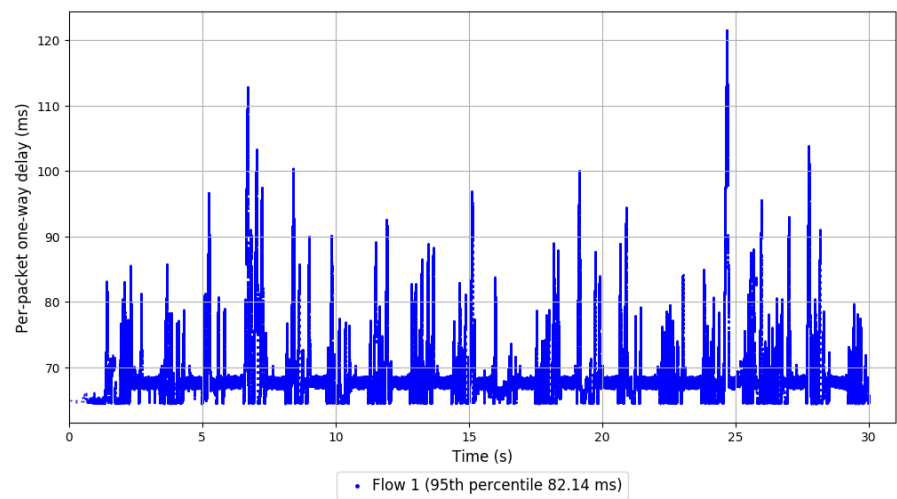
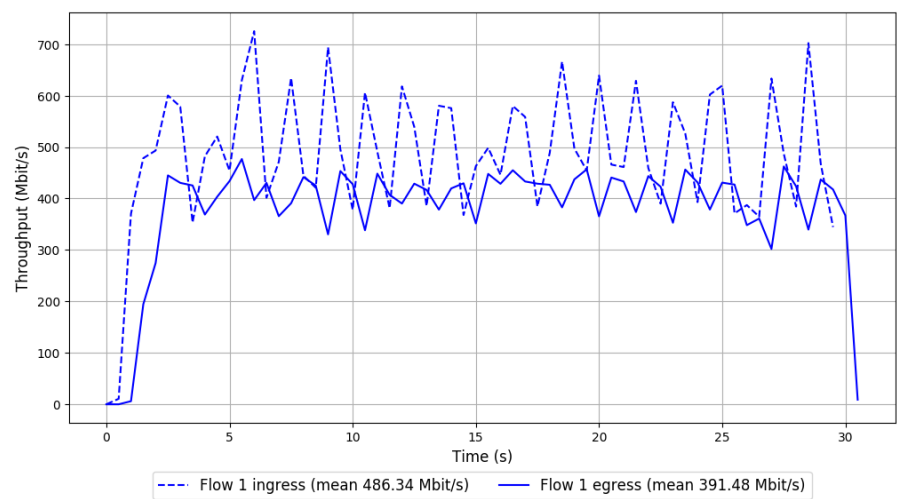


Run 8: Statistics of FillP

Start at: 2018-05-22 00:42:56
End at: 2018-05-22 00:43:26
Local clock offset: -0.123 ms
Remote clock offset: -29.542 ms

Below is generated by plot.py at 2018-05-22 01:54:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.48 Mbit/s
95th percentile per-packet one-way delay: 82.142 ms
Loss rate: 19.51%
-- Flow 1:
Average throughput: 391.48 Mbit/s
95th percentile per-packet one-way delay: 82.142 ms
Loss rate: 19.51%

Run 8: Report of FillP — Data Link

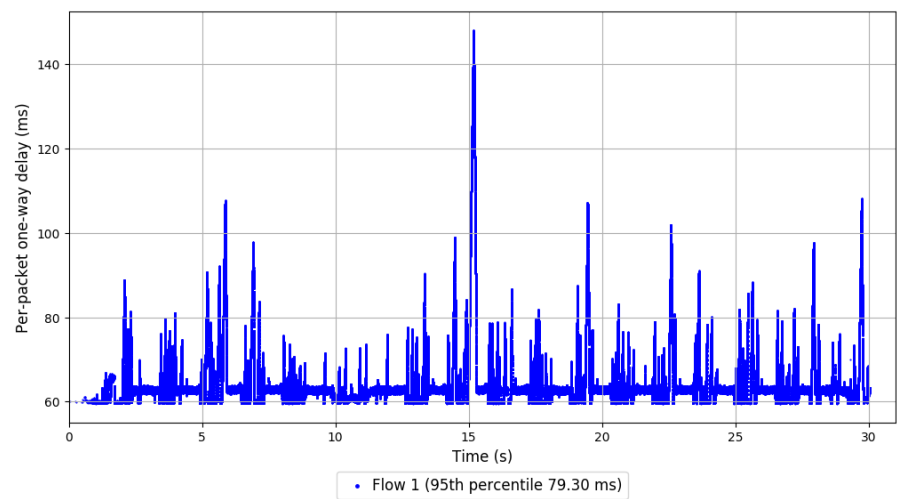
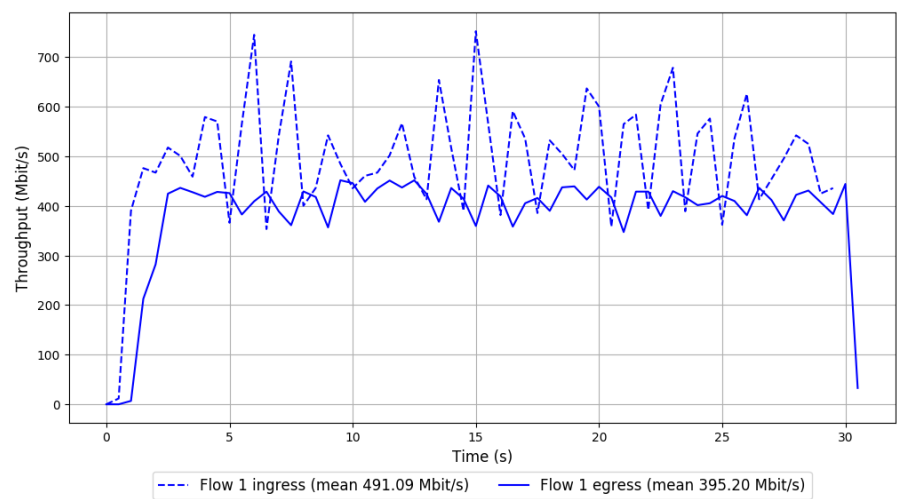


Run 9: Statistics of FillP

Start at: 2018-05-22 01:03:29
End at: 2018-05-22 01:04:00
Local clock offset: -1.832 ms
Remote clock offset: -32.828 ms

Below is generated by plot.py at 2018-05-22 01:59:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.20 Mbit/s
95th percentile per-packet one-way delay: 79.300 ms
Loss rate: 19.52%
-- Flow 1:
Average throughput: 395.20 Mbit/s
95th percentile per-packet one-way delay: 79.300 ms
Loss rate: 19.52%

Run 9: Report of FillP — Data Link

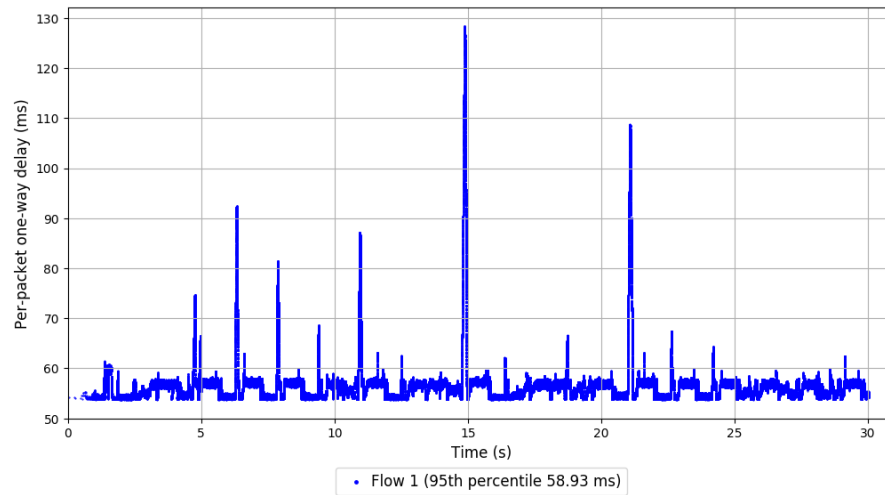
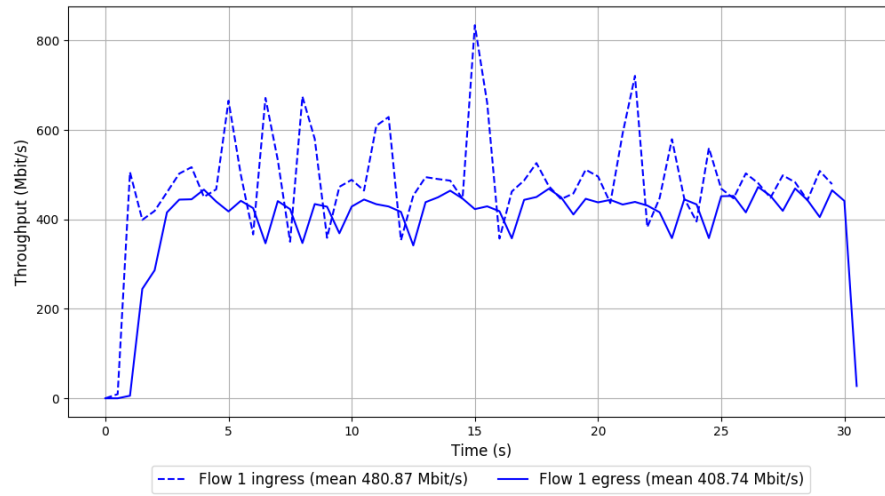


Run 10: Statistics of FillP

Start at: 2018-05-22 01:24:03
End at: 2018-05-22 01:24:33
Local clock offset: -2.286 ms
Remote clock offset: -38.363 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 408.74 Mbit/s
95th percentile per-packet one-way delay: 58.927 ms
Loss rate: 15.00%
-- Flow 1:
Average throughput: 408.74 Mbit/s
95th percentile per-packet one-way delay: 58.927 ms
Loss rate: 15.00%

Run 10: Report of FillP — Data Link

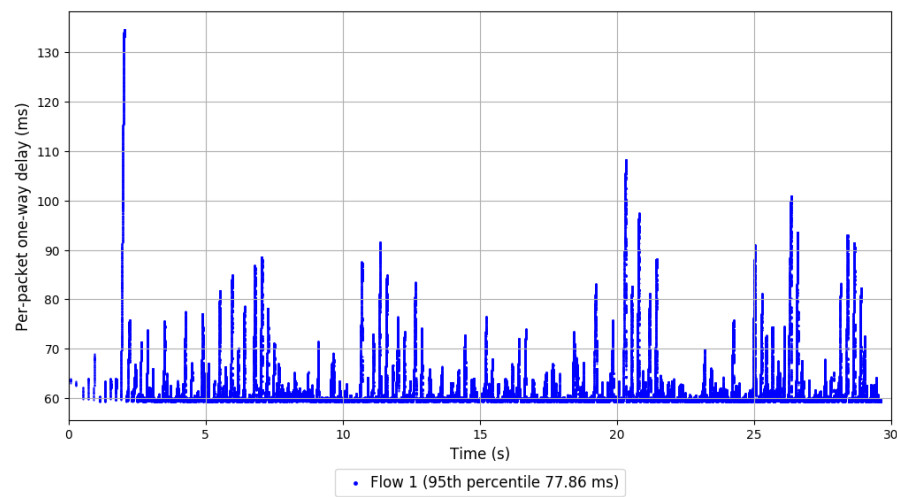
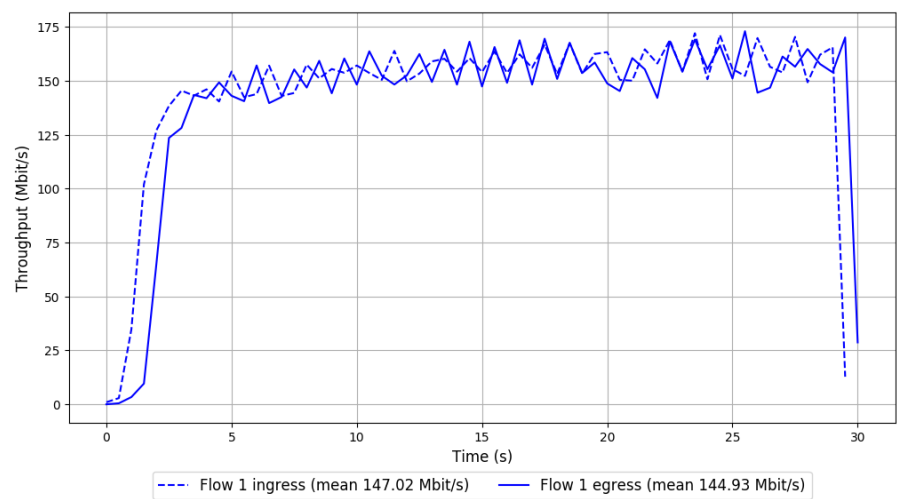


```
Run 1: Statistics of Indigo

Start at: 2018-05-21 21:52:58
End at: 2018-05-21 21:53:28
Local clock offset: -2.65 ms
Remote clock offset: -36.123 ms

# Below is generated by plot.py at 2018-05-22 01:59:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.93 Mbit/s
95th percentile per-packet one-way delay: 77.855 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 144.93 Mbit/s
95th percentile per-packet one-way delay: 77.855 ms
Loss rate: 1.45%
```


Run 1: Report of Indigo — Data Link

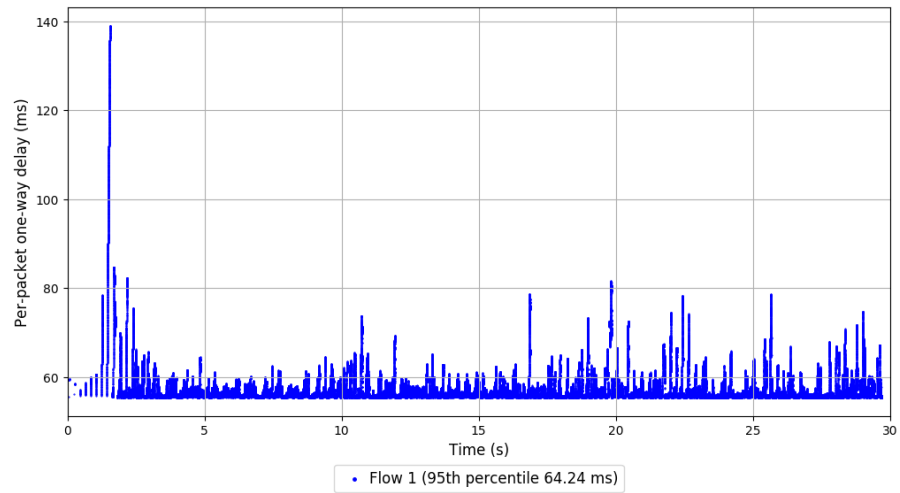
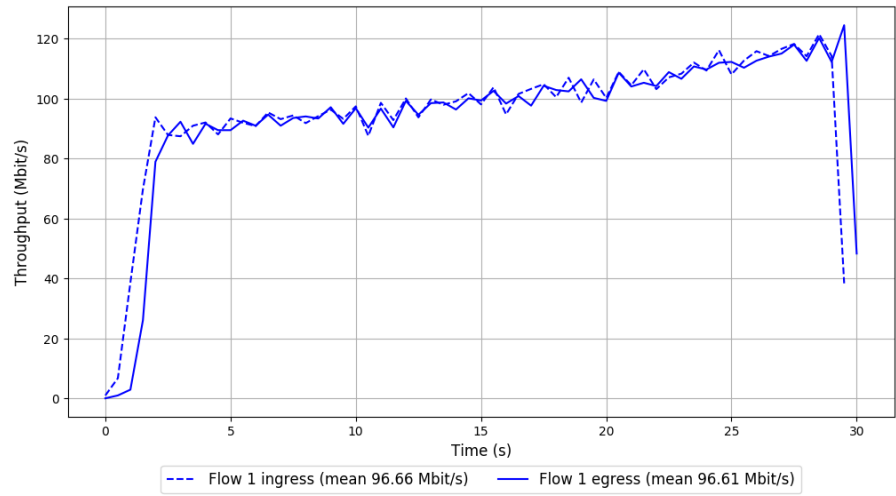


Run 2: Statistics of Indigo

Start at: 2018-05-21 22:19:07
End at: 2018-05-21 22:19:37
Local clock offset: 1.947 ms
Remote clock offset: -35.045 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 64.239 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 64.239 ms
Loss rate: 0.04%

Run 2: Report of Indigo — Data Link

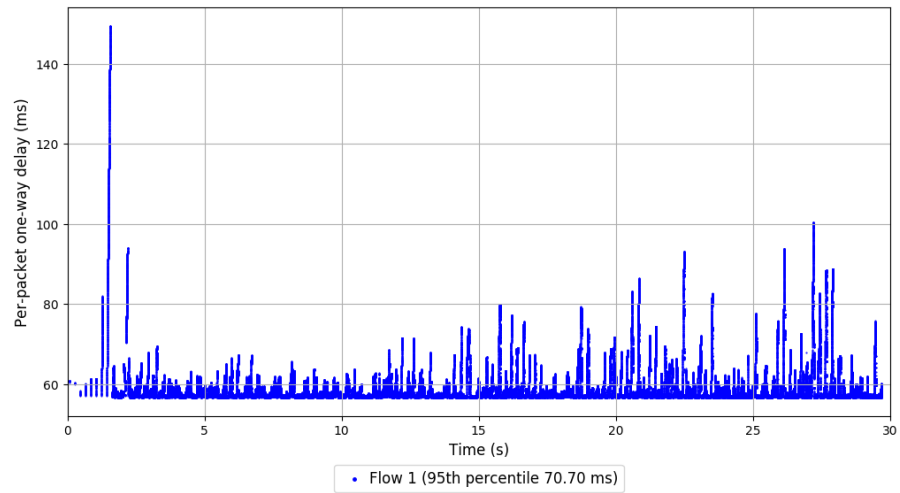
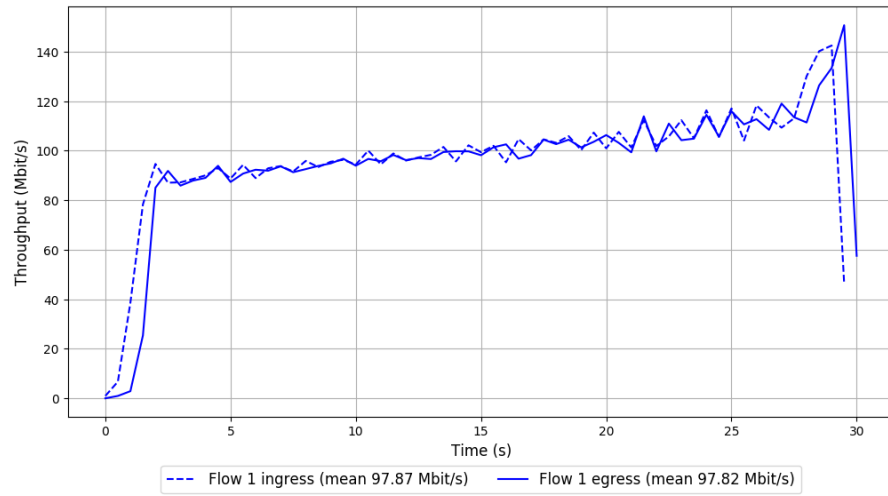


Run 3: Statistics of Indigo

Start at: 2018-05-21 22:45:24
End at: 2018-05-21 22:45:54
Local clock offset: -1.444 ms
Remote clock offset: -35.475 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.82 Mbit/s
95th percentile per-packet one-way delay: 70.702 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.82 Mbit/s
95th percentile per-packet one-way delay: 70.702 ms
Loss rate: 0.06%

Run 3: Report of Indigo — Data Link

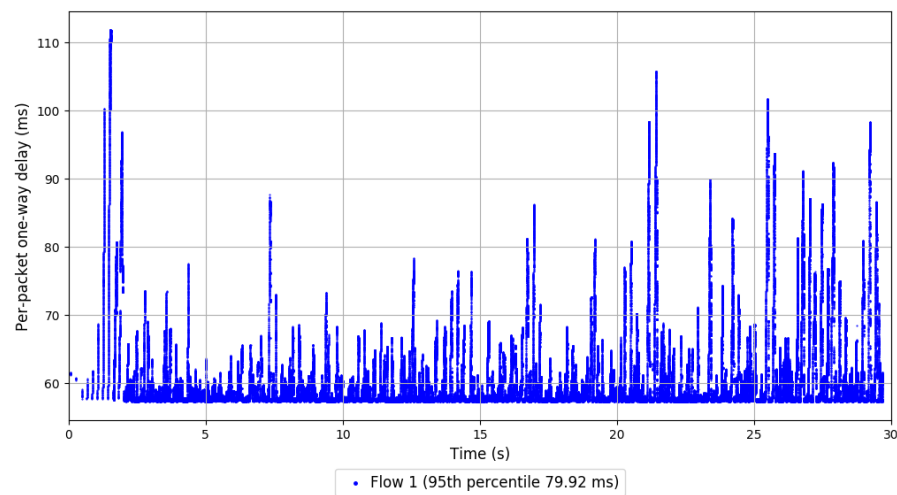
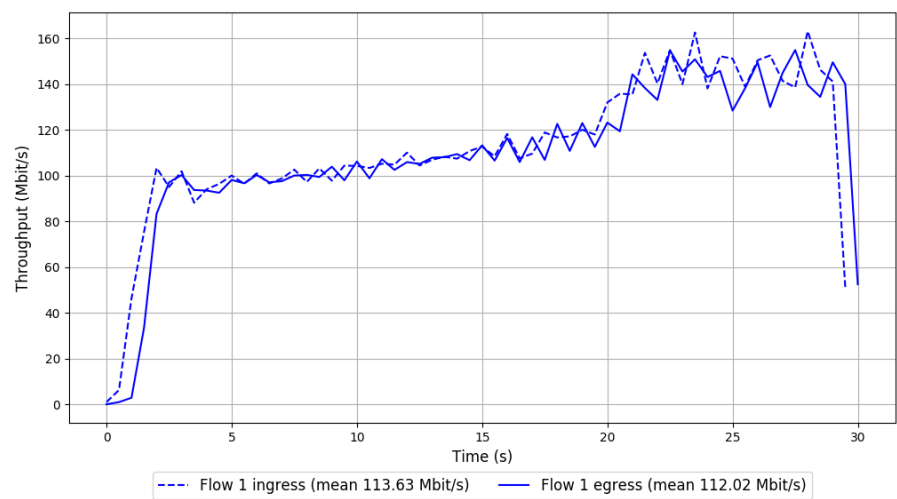


Run 4: Statistics of Indigo

Start at: 2018-05-21 23:11:42
End at: 2018-05-21 23:12:12
Local clock offset: -0.615 ms
Remote clock offset: -33.592 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.02 Mbit/s
95th percentile per-packet one-way delay: 79.916 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 112.02 Mbit/s
95th percentile per-packet one-way delay: 79.916 ms
Loss rate: 1.43%

Run 4: Report of Indigo — Data Link

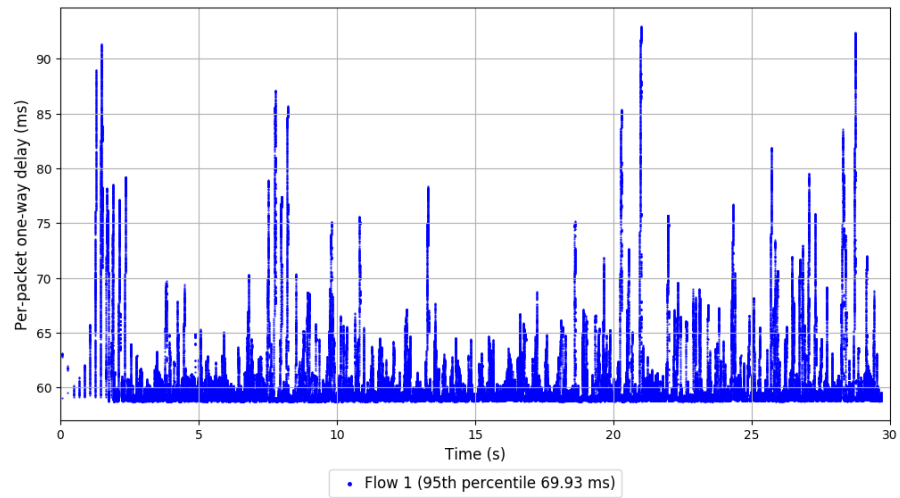
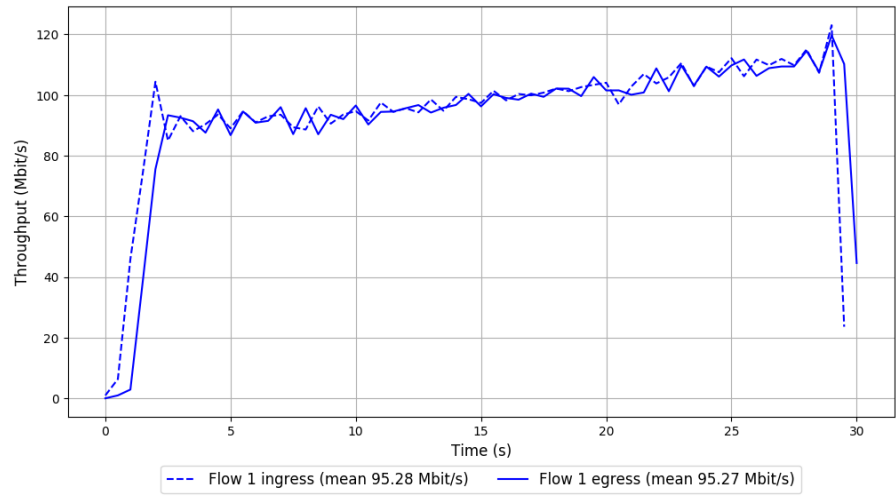


Run 5: Statistics of Indigo

Start at: 2018-05-21 23:32:17
End at: 2018-05-21 23:32:47
Local clock offset: 0.944 ms
Remote clock offset: -30.694 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 69.927 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 69.927 ms
Loss rate: 0.05%

Run 5: Report of Indigo — Data Link

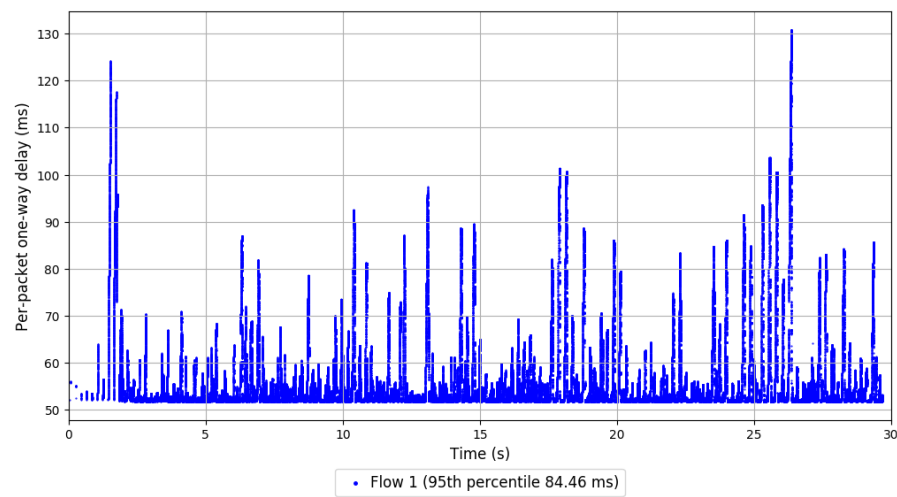
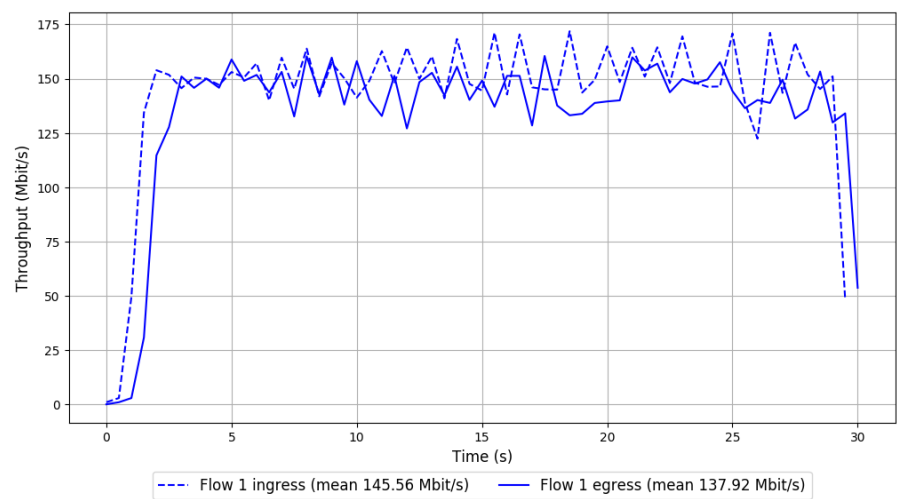


Run 6: Statistics of Indigo

Start at: 2018-05-22 00:02:32
End at: 2018-05-22 00:03:02
Local clock offset: -0.329 ms
Remote clock offset: -39.274 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 84.463 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 84.463 ms
Loss rate: 5.25%

Run 6: Report of Indigo — Data Link

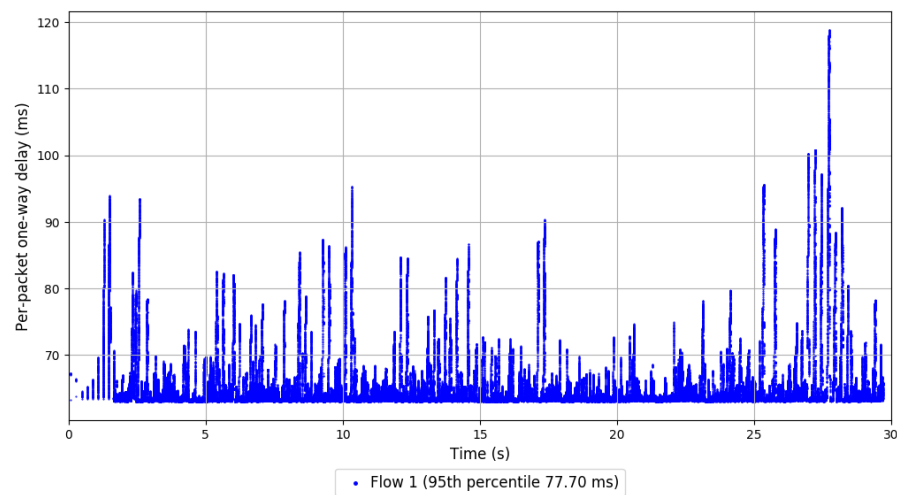
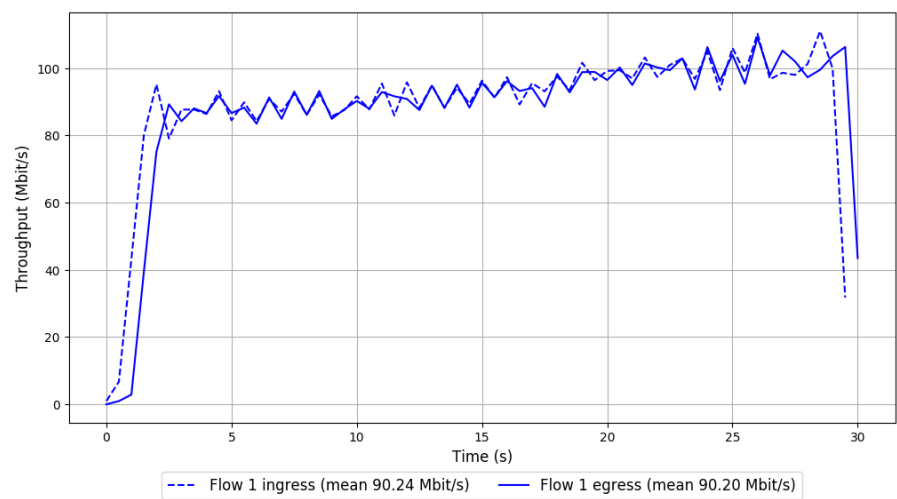


Run 7: Statistics of Indigo

Start at: 2018-05-22 00:28:42
End at: 2018-05-22 00:29:12
Local clock offset: -1.655 ms
Remote clock offset: -28.96 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 77.700 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 77.700 ms
Loss rate: 0.04%

Run 7: Report of Indigo — Data Link

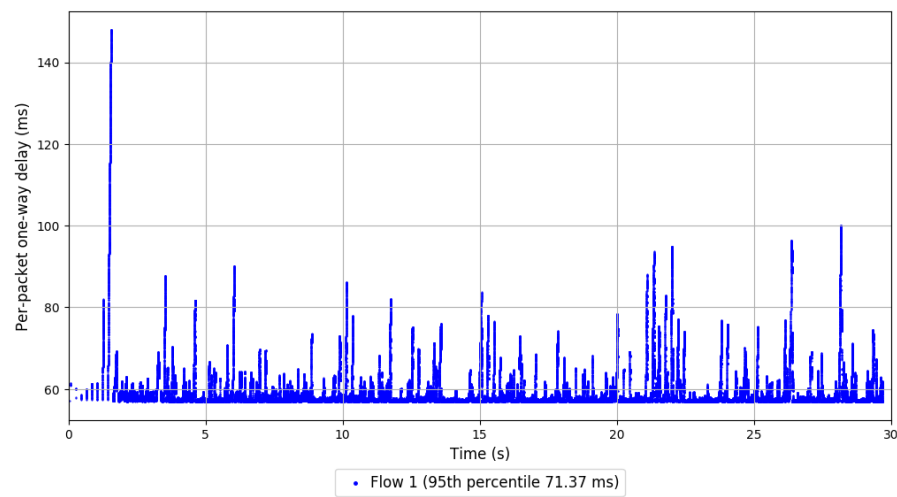
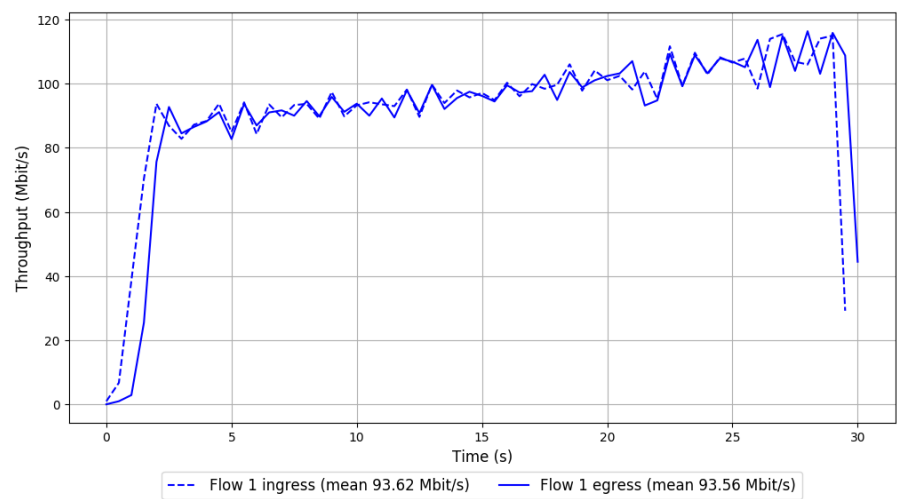


Run 8: Statistics of Indigo

Start at: 2018-05-22 00:49:26
End at: 2018-05-22 00:49:56
Local clock offset: -0.454 ms
Remote clock offset: -35.353 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 71.370 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 71.370 ms
Loss rate: 0.06%

Run 8: Report of Indigo — Data Link

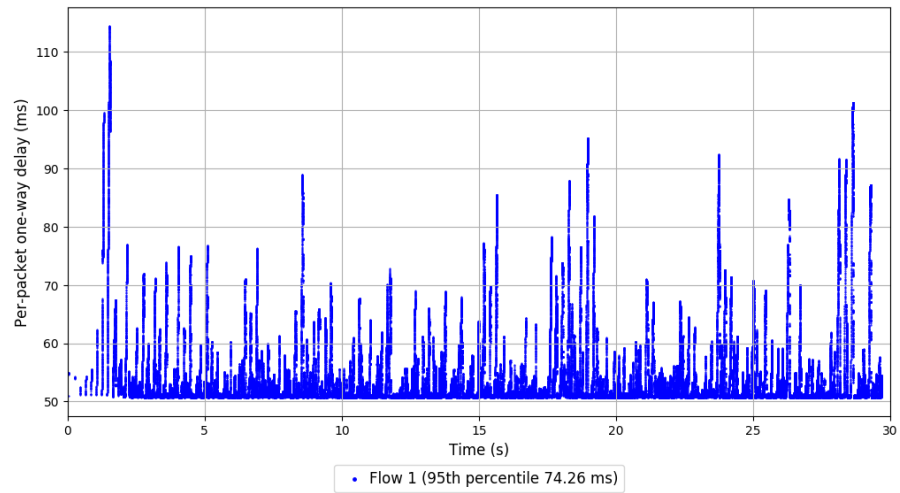
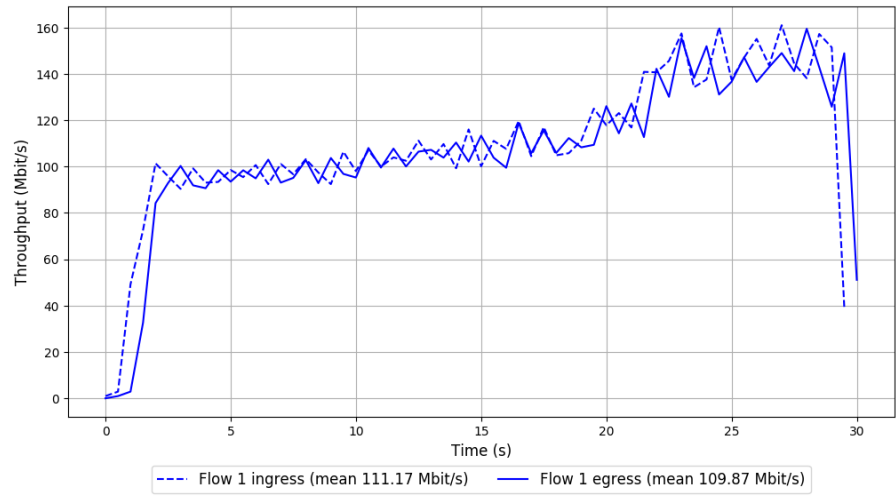


Run 9: Statistics of Indigo

Start at: 2018-05-22 01:10:00
End at: 2018-05-22 01:10:30
Local clock offset: 1.321 ms
Remote clock offset: -38.379 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 74.257 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 74.257 ms
Loss rate: 1.16%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 01:30:34

End at: 2018-05-22 01:31:04

Local clock offset: -0.512 ms

Remote clock offset: -33.073 ms

Below is generated by plot.py at 2018-05-22 01:59:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 73.107 ms

Loss rate: 0.20%

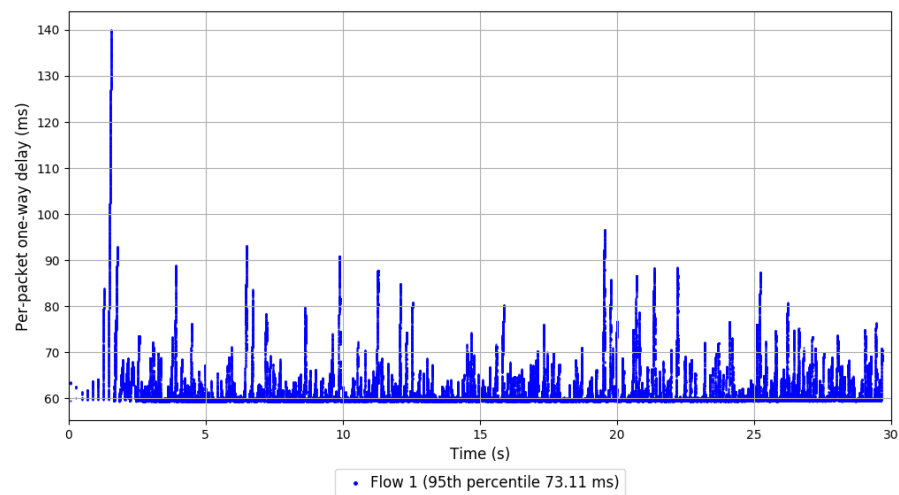
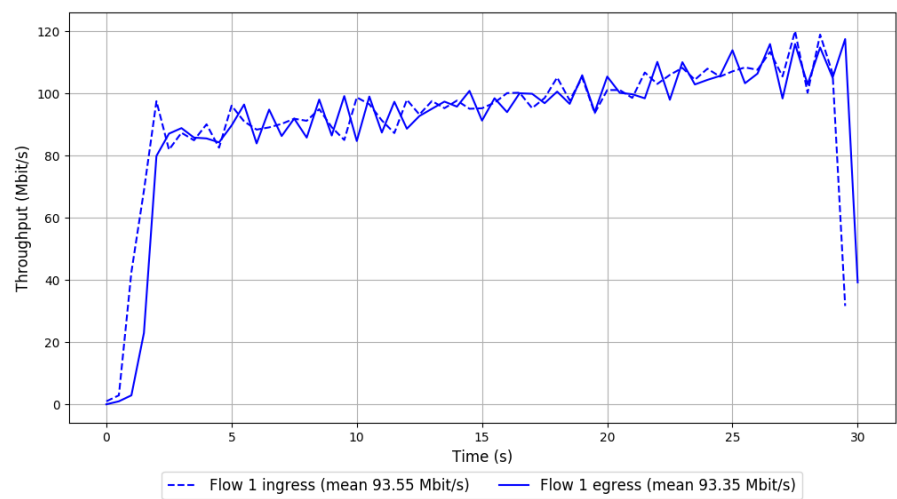
-- Flow 1:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 73.107 ms

Loss rate: 0.20%

Run 10: Report of Indigo — Data Link

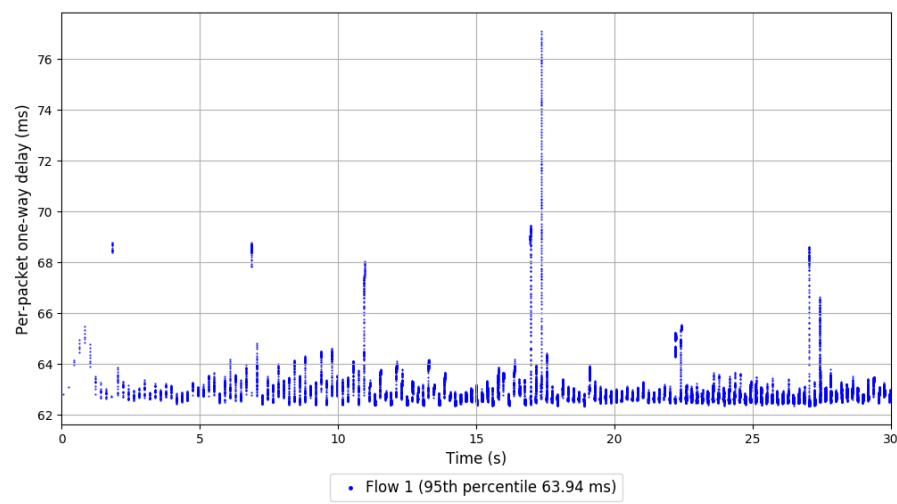
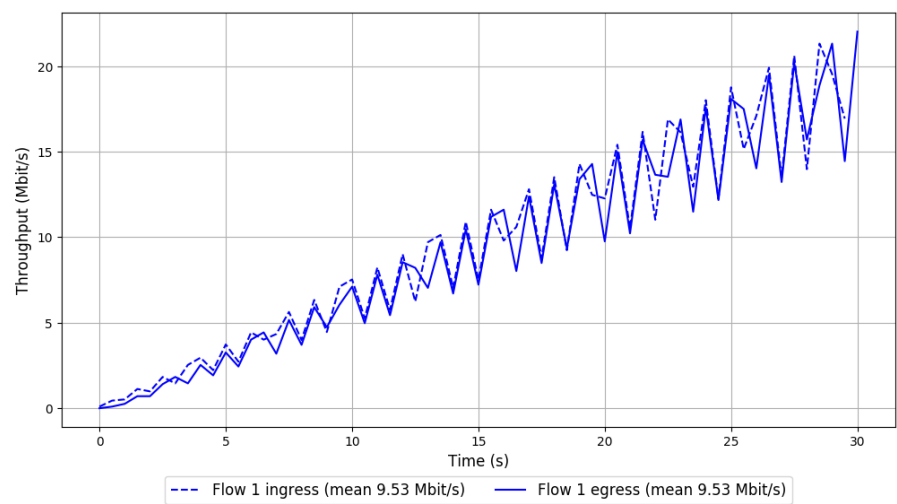


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-21 21:49:07
End at: 2018-05-21 21:49:37
Local clock offset: -1.04 ms
Remote clock offset: -31.759 ms

# Below is generated by plot.py at 2018-05-22 01:59:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 63.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 63.937 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

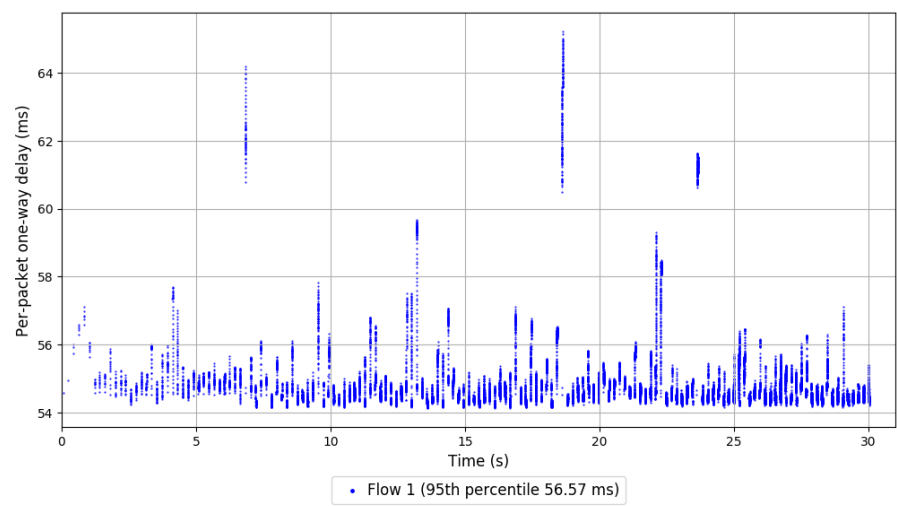
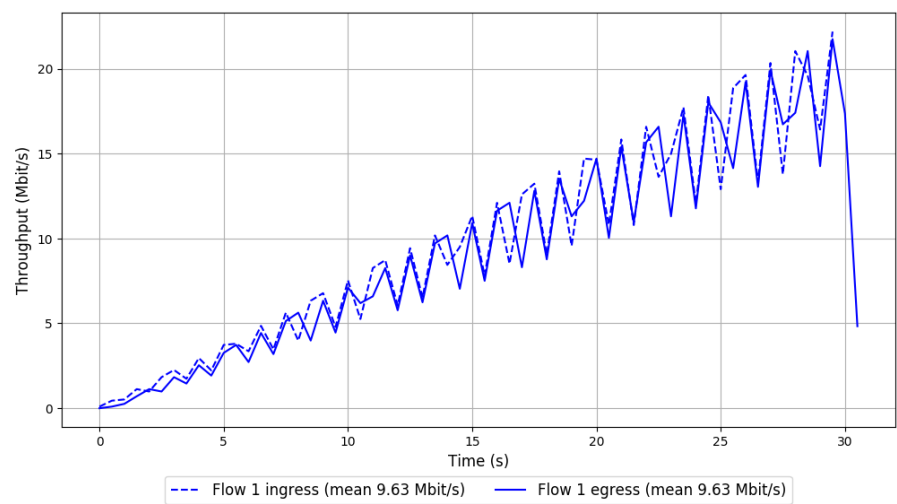


Run 2: Statistics of LEDBAT

Start at: 2018-05-21 22:15:16
End at: 2018-05-21 22:15:46
Local clock offset: 1.599 ms
Remote clock offset: -36.134 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 56.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 56.572 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

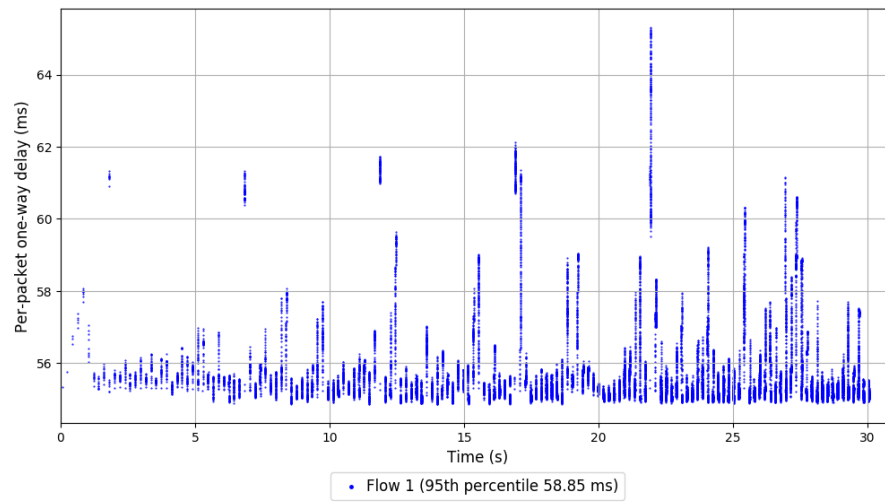
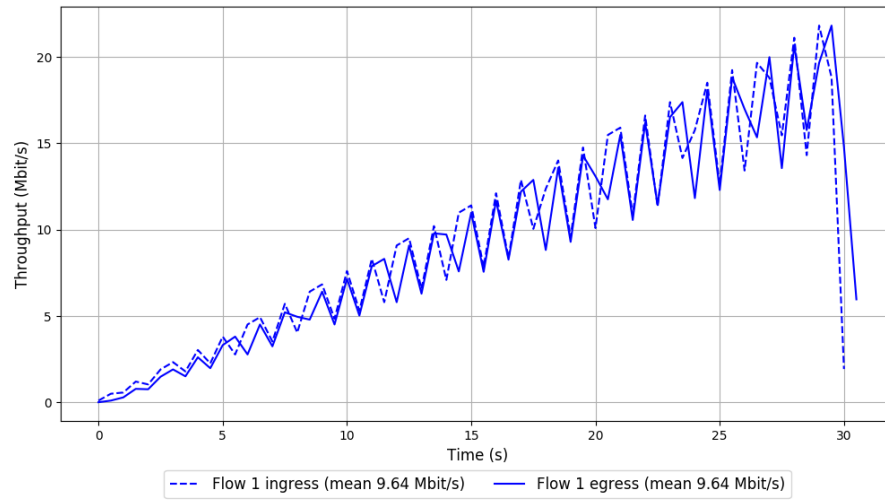


Run 3: Statistics of LEDBAT

Start at: 2018-05-21 22:41:34
End at: 2018-05-21 22:42:04
Local clock offset: -1.068 ms
Remote clock offset: -37.301 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 58.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 58.850 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

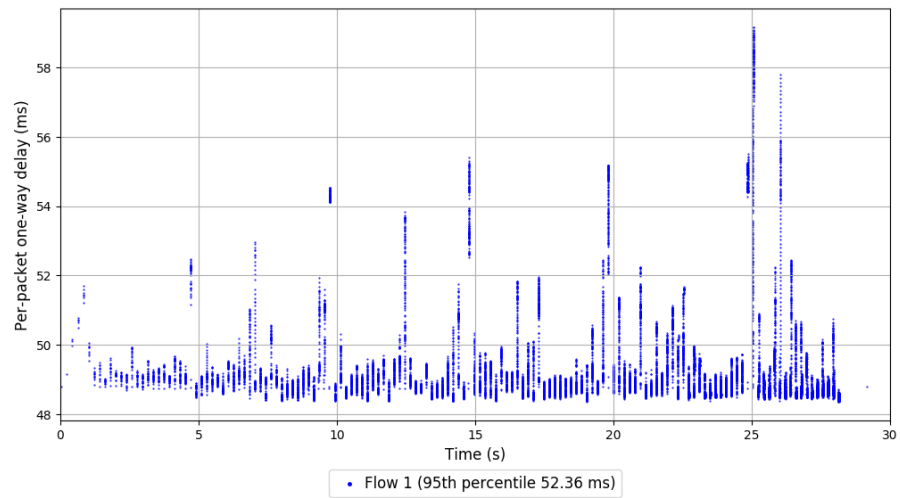
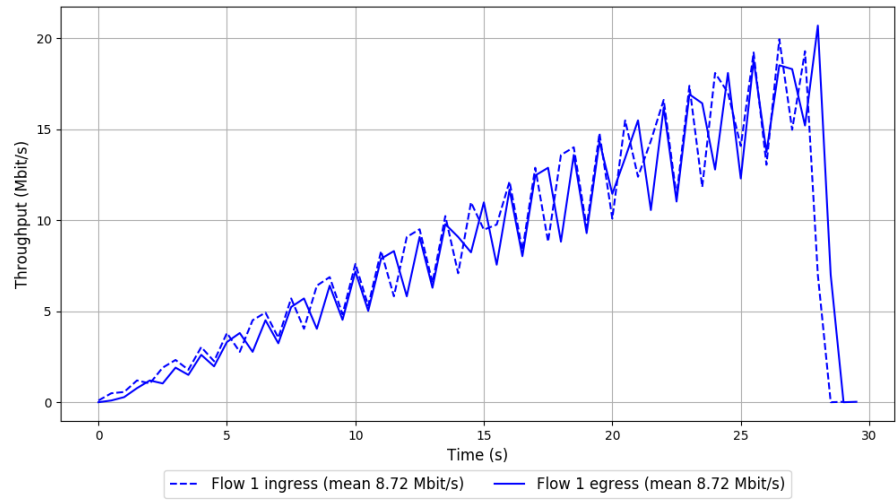


Run 4: Statistics of LEDBAT

Start at: 2018-05-21 23:02:10
End at: 2018-05-21 23:02:40
Local clock offset: 2.479 ms
Remote clock offset: -39.629 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 52.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 52.357 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

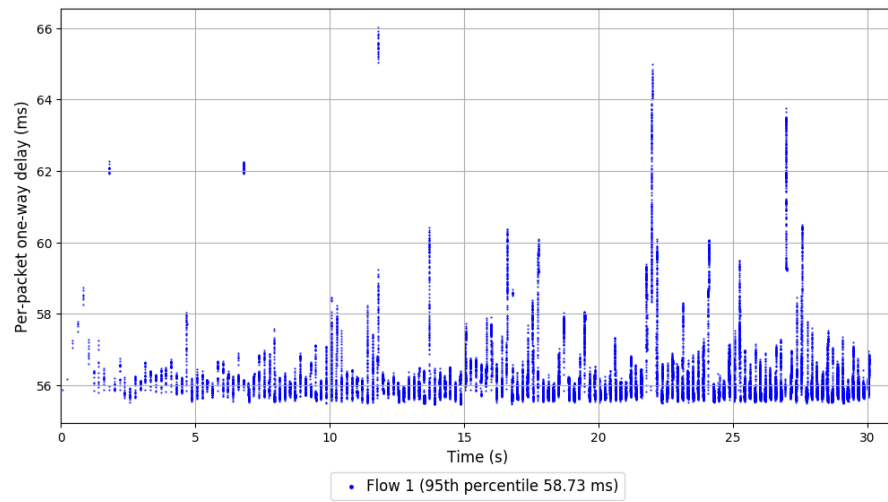
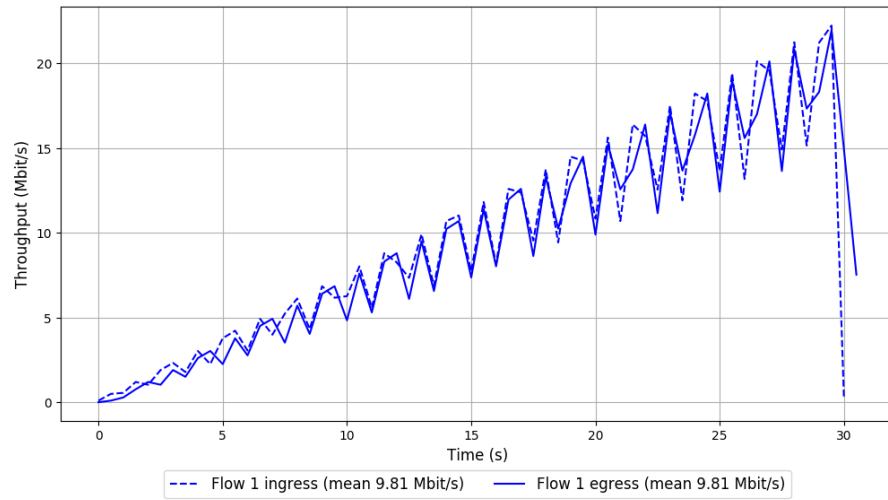


Run 5: Statistics of LEDBAT

Start at: 2018-05-21 23:28:27
End at: 2018-05-21 23:28:57
Local clock offset: 1.196 ms
Remote clock offset: -33.548 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 58.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 58.731 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

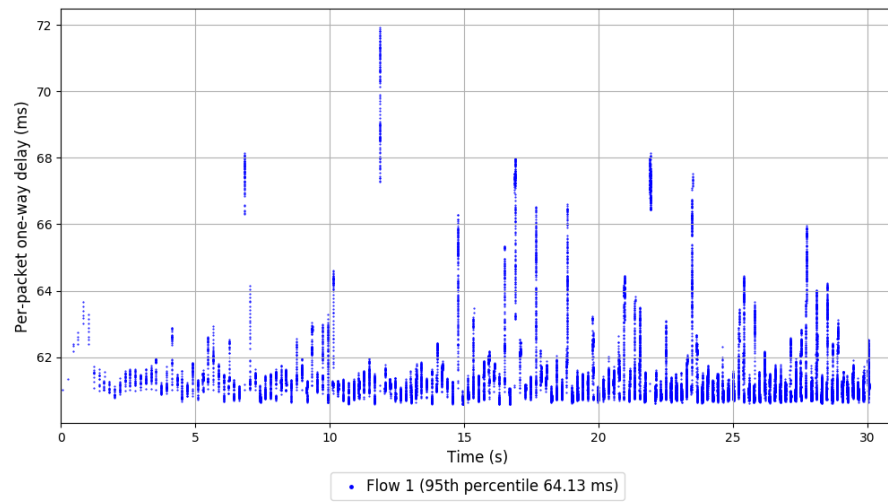
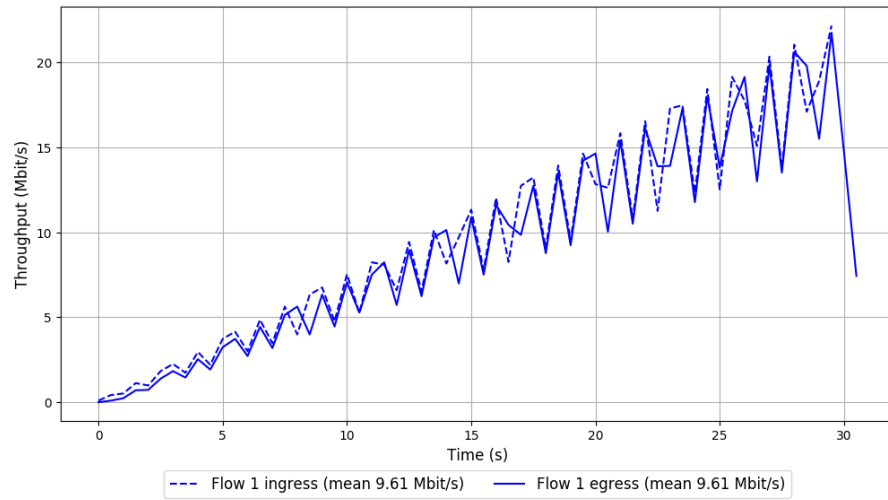


Run 6: Statistics of LEDBAT

Start at: 2018-05-21 23:58:41
End at: 2018-05-21 23:59:11
Local clock offset: 1.955 ms
Remote clock offset: -28.435 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.61 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

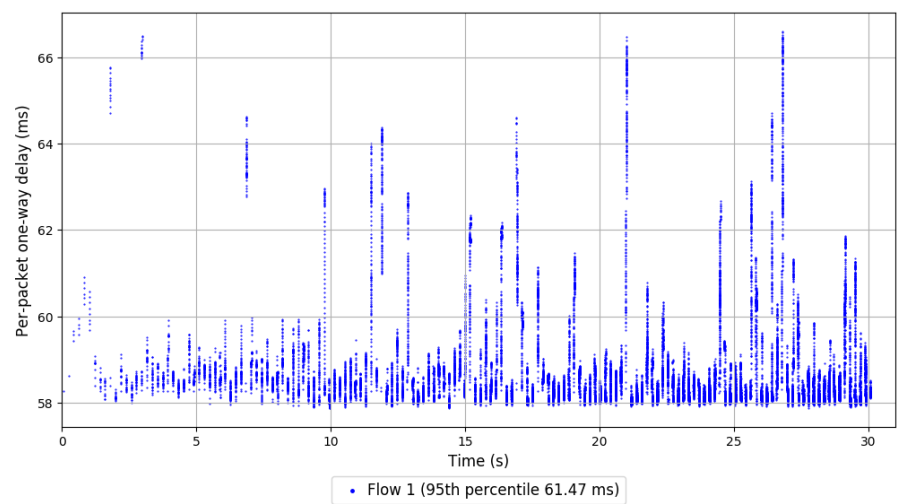
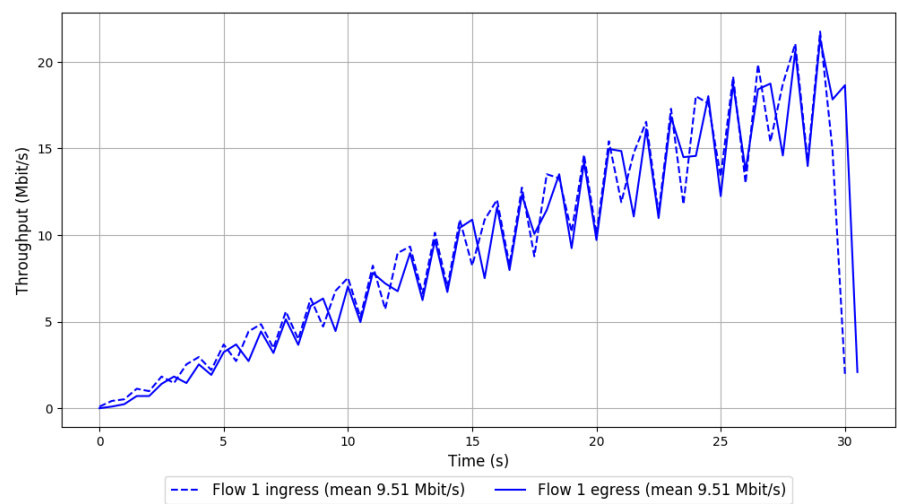


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 00:19:19
End at: 2018-05-22 00:19:49
Local clock offset: -0.388 ms
Remote clock offset: -32.768 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 61.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 61.473 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

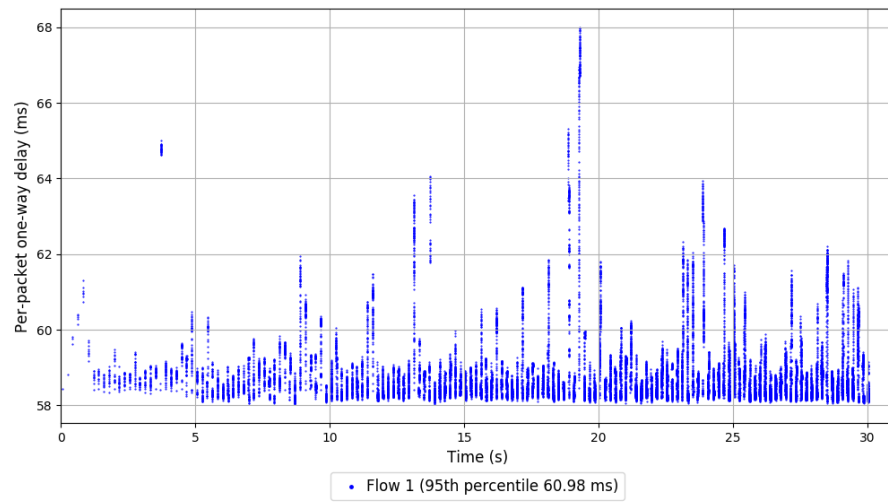
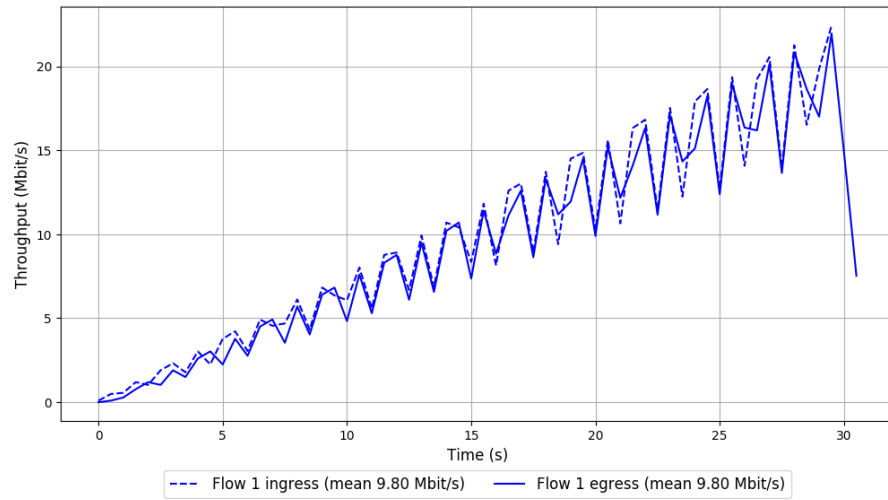


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 00:45:35
End at: 2018-05-22 00:46:05
Local clock offset: 0.218 ms
Remote clock offset: -33.711 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 60.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 60.976 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

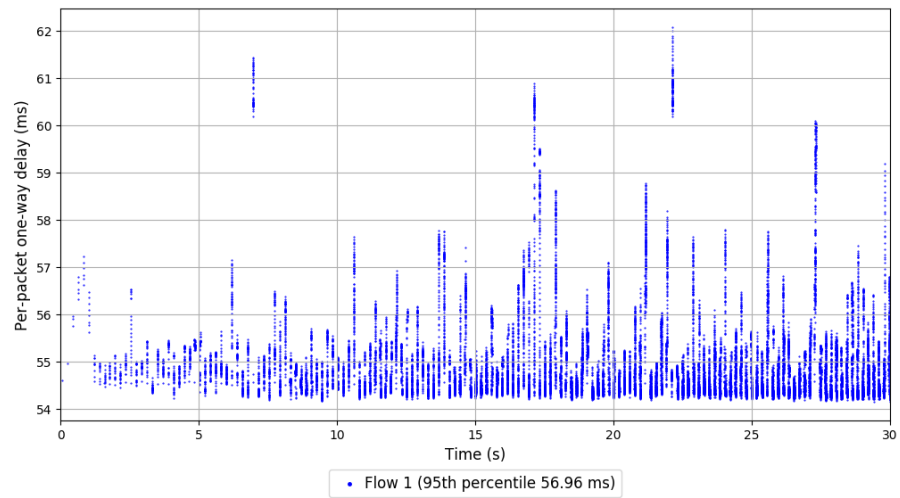
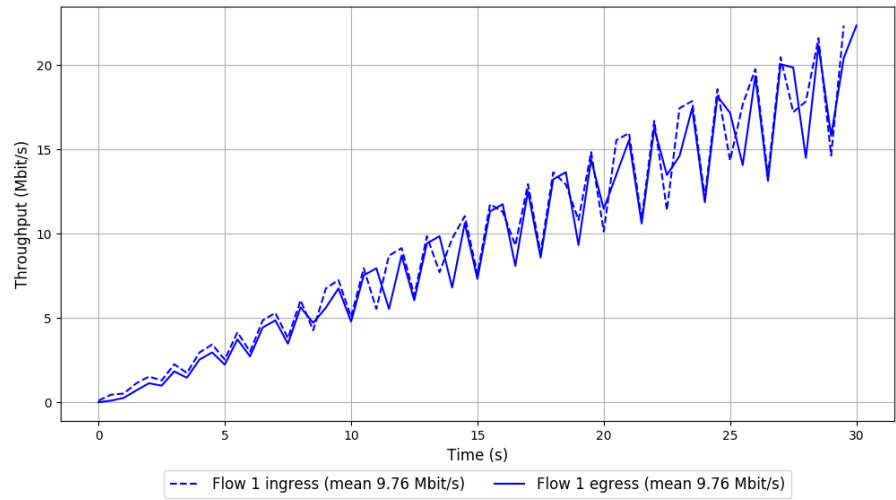


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 01:06:09
End at: 2018-05-22 01:06:39
Local clock offset: -0.131 ms
Remote clock offset: -36.538 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 56.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 56.962 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

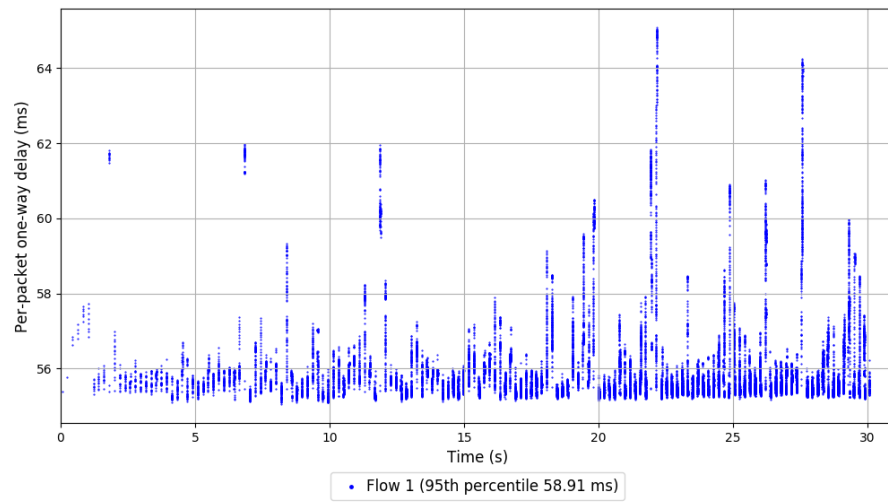
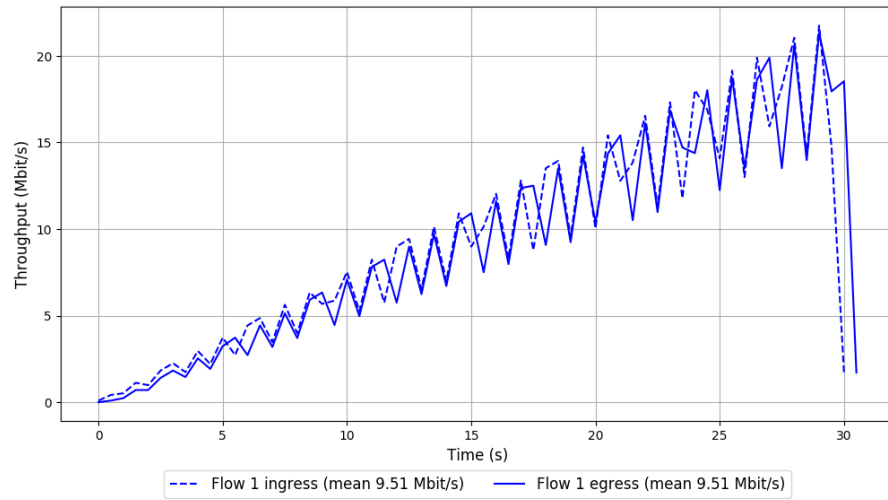


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 01:26:43
End at: 2018-05-22 01:27:13
Local clock offset: -2.298 ms
Remote clock offset: -37.887 ms

Below is generated by plot.py at 2018-05-22 01:59:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 58.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 58.906 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

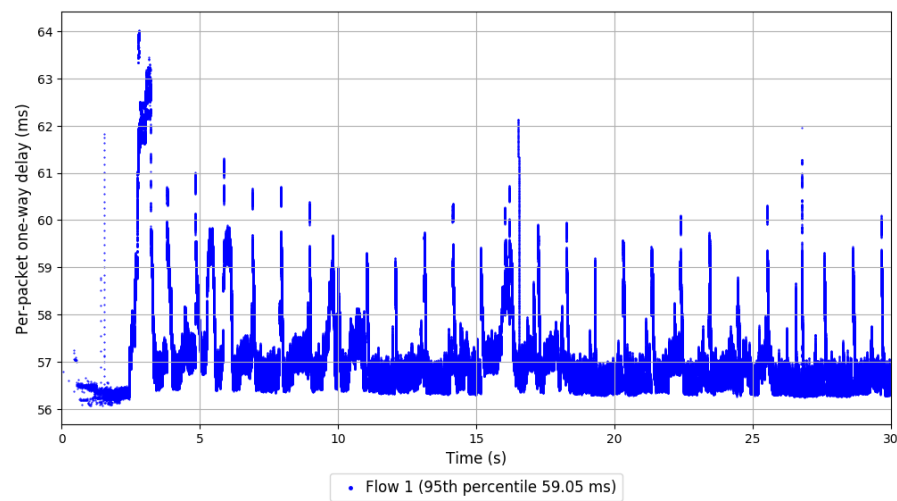
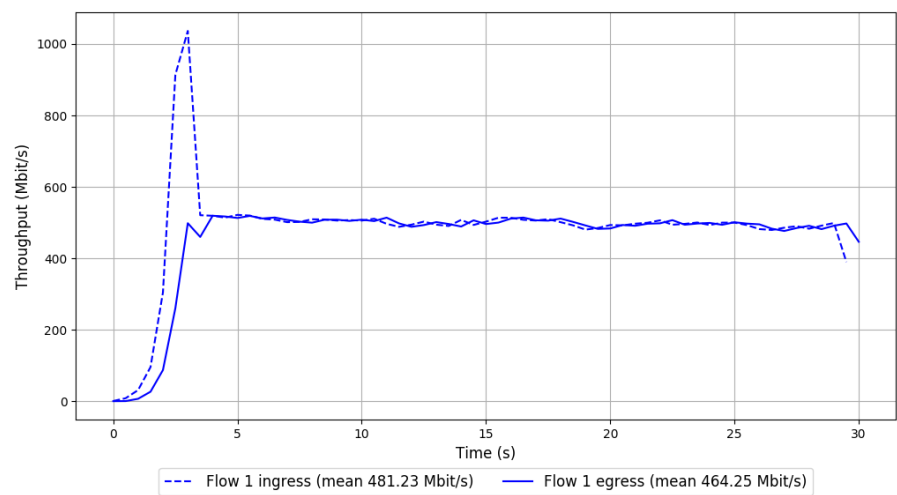


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-21 21:42:23
End at: 2018-05-21 21:42:53
Local clock offset: -2.038 ms
Remote clock offset: -37.478 ms

# Below is generated by plot.py at 2018-05-22 02:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 464.25 Mbit/s
95th percentile per-packet one-way delay: 59.052 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 464.25 Mbit/s
95th percentile per-packet one-way delay: 59.052 ms
Loss rate: 3.53%
```


Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-21 22:08:31

End at: 2018-05-21 22:09:01

Local clock offset: -0.083 ms

Remote clock offset: -36.168 ms

Below is generated by plot.py at 2018-05-22 02:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.30 Mbit/s

95th percentile per-packet one-way delay: 61.651 ms

Loss rate: 4.29%

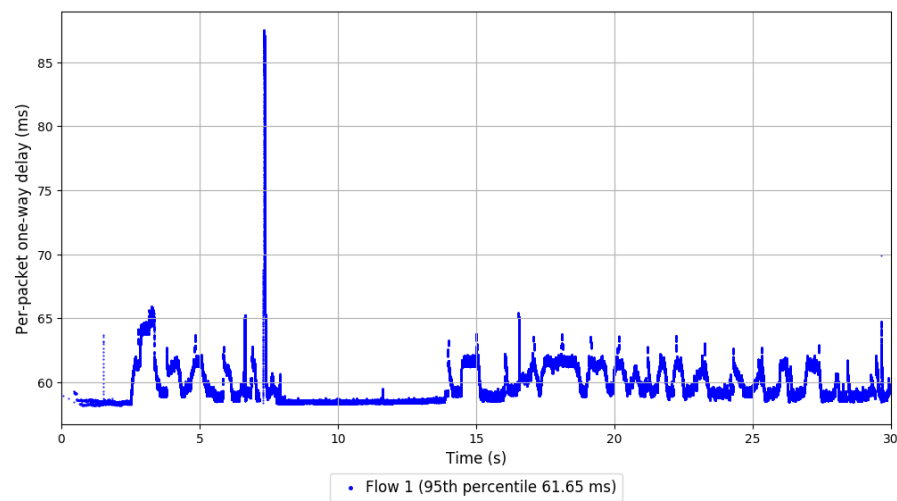
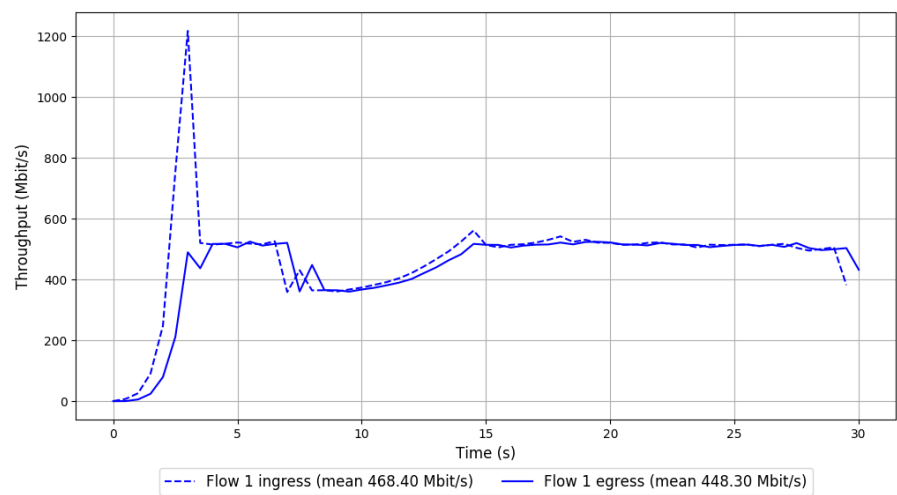
-- Flow 1:

Average throughput: 448.30 Mbit/s

95th percentile per-packet one-way delay: 61.651 ms

Loss rate: 4.29%

Run 2: Report of PCC-Allegro — Data Link

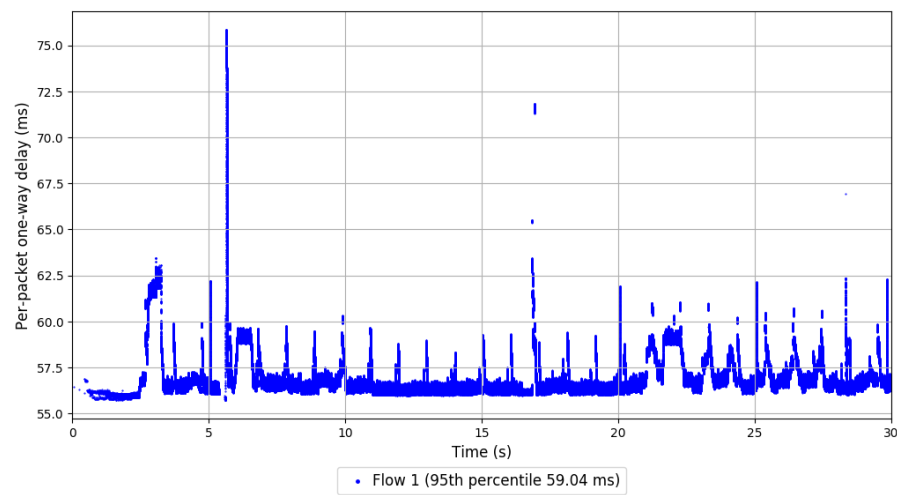
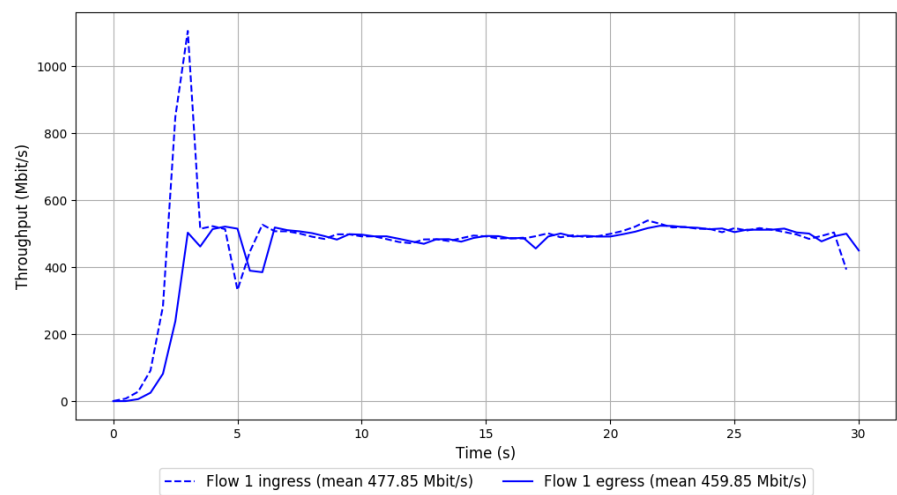


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-21 22:29:10
End at: 2018-05-21 22:29:40
Local clock offset: 0.691 ms
Remote clock offset: -37.532 ms

Below is generated by plot.py at 2018-05-22 02:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 459.85 Mbit/s
95th percentile per-packet one-way delay: 59.036 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 459.85 Mbit/s
95th percentile per-packet one-way delay: 59.036 ms
Loss rate: 3.77%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-21 22:55:22

End at: 2018-05-21 22:55:52

Local clock offset: 1.066 ms

Remote clock offset: -37.058 ms

Below is generated by plot.py at 2018-05-22 02:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.64 Mbit/s

95th percentile per-packet one-way delay: 55.556 ms

Loss rate: 3.80%

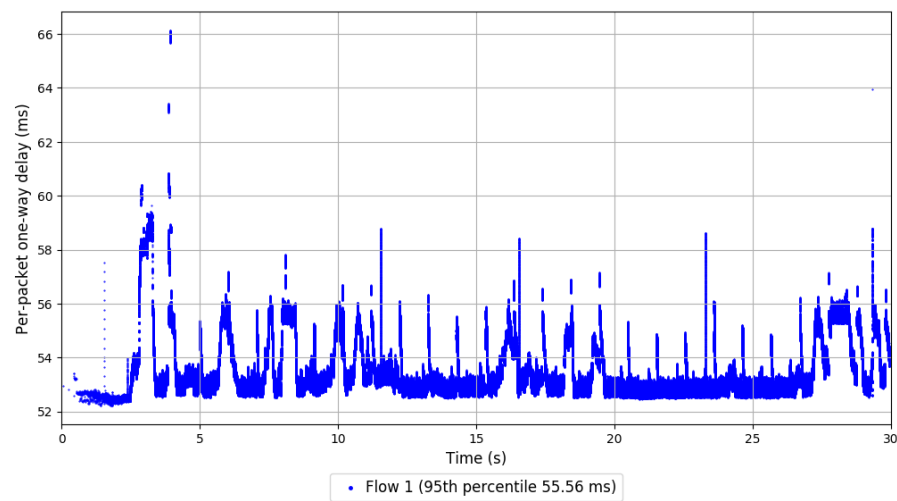
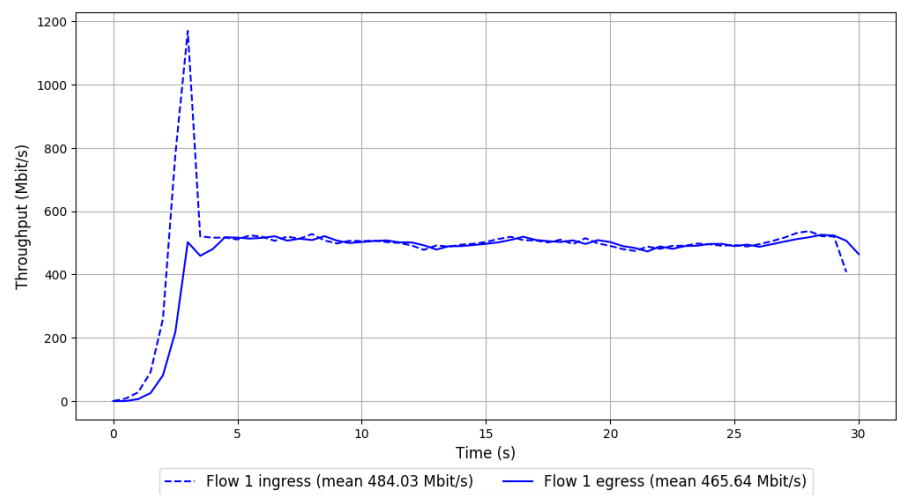
-- Flow 1:

Average throughput: 465.64 Mbit/s

95th percentile per-packet one-way delay: 55.556 ms

Loss rate: 3.80%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-21 23:21:44

End at: 2018-05-21 23:22:14

Local clock offset: 0.548 ms

Remote clock offset: -33.622 ms

Below is generated by plot.py at 2018-05-22 02:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.50 Mbit/s

95th percentile per-packet one-way delay: 58.980 ms

Loss rate: 3.85%

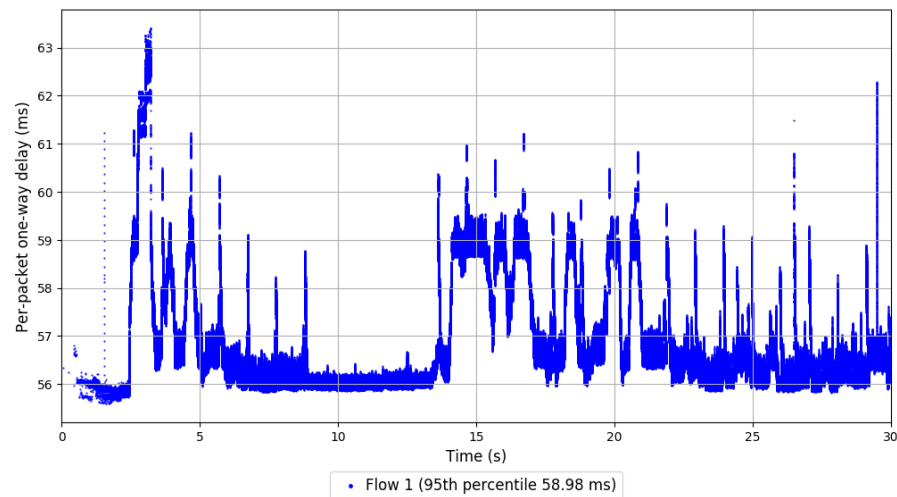
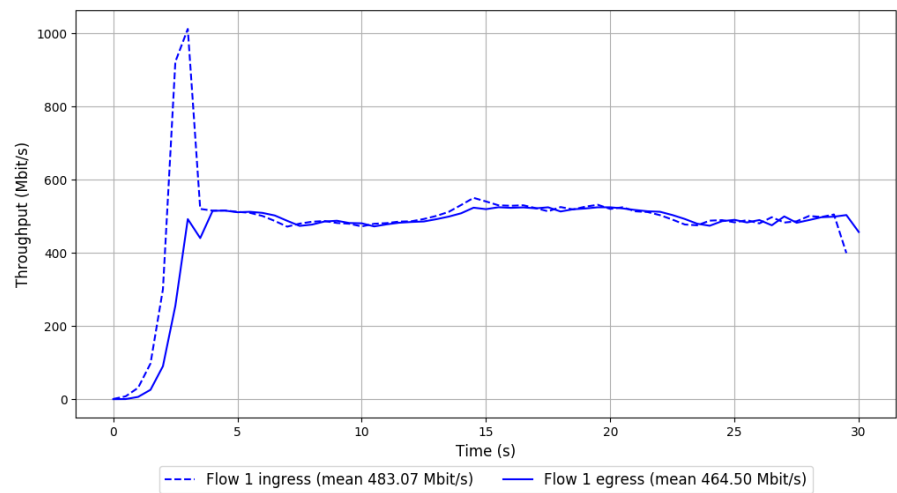
-- Flow 1:

Average throughput: 464.50 Mbit/s

95th percentile per-packet one-way delay: 58.980 ms

Loss rate: 3.85%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-21 23:42:15

End at: 2018-05-21 23:42:45

Local clock offset: -0.469 ms

Remote clock offset: -34.494 ms

Below is generated by plot.py at 2018-05-22 02:02:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.03 Mbit/s

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

Loss rate: 3.76%

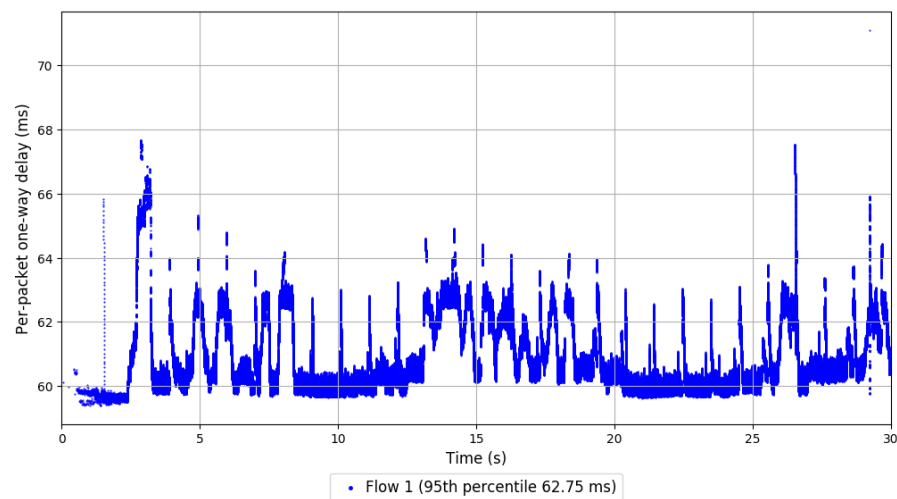
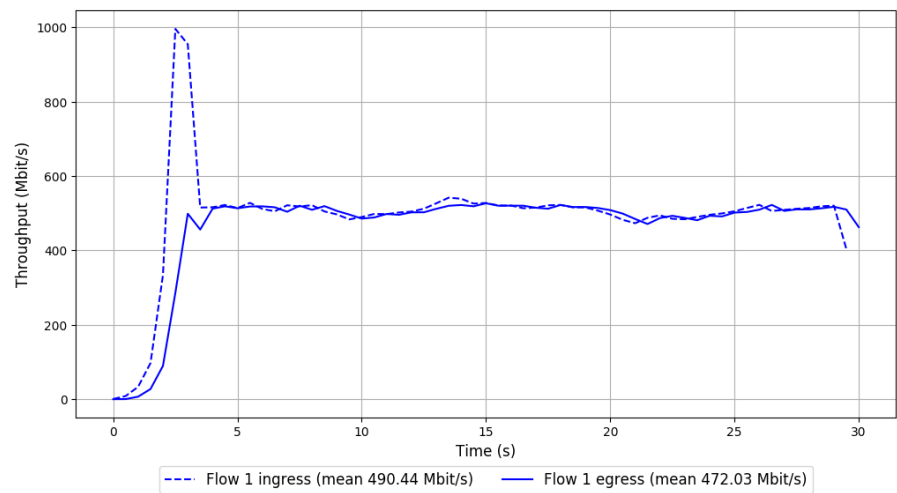
-- Flow 1:

Average throughput: 472.03 Mbit/s

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

Loss rate: 3.76%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 00:12:36

End at: 2018-05-22 00:13:06

Local clock offset: -1.121 ms

Remote clock offset: -37.057 ms

Below is generated by plot.py at 2018-05-22 02:05:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.06 Mbit/s

95th percentile per-packet one-way delay: 59.701 ms

Loss rate: 3.71%

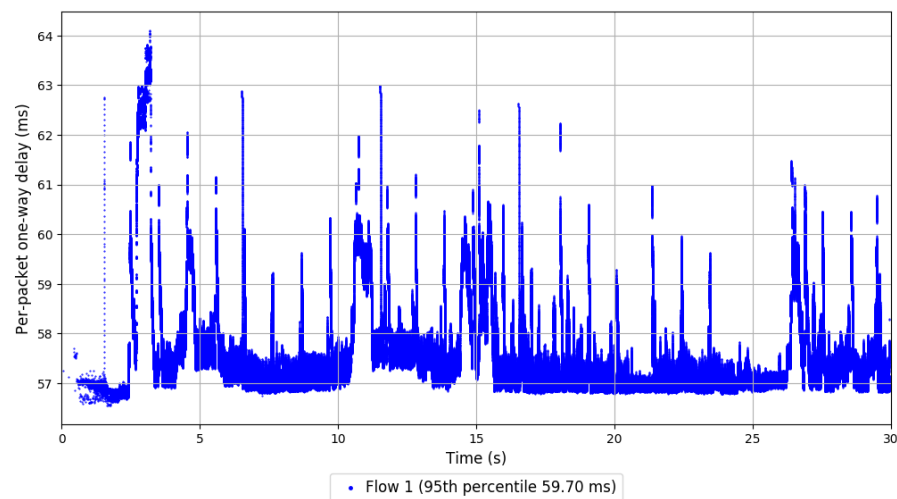
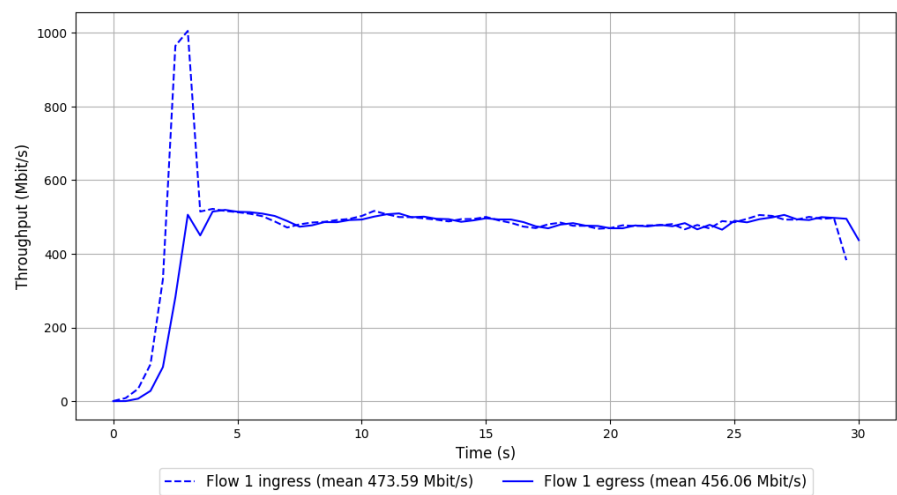
-- Flow 1:

Average throughput: 456.06 Mbit/s

95th percentile per-packet one-way delay: 59.701 ms

Loss rate: 3.71%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 00:38:49

End at: 2018-05-22 00:39:19

Local clock offset: 2.068 ms

Remote clock offset: -34.709 ms

Below is generated by plot.py at 2018-05-22 02:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.49 Mbit/s

95th percentile per-packet one-way delay: 57.566 ms

Loss rate: 3.76%

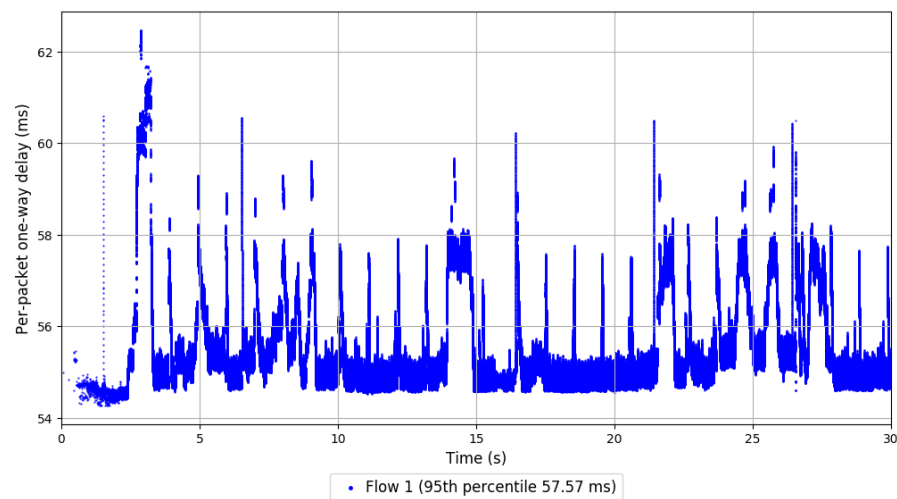
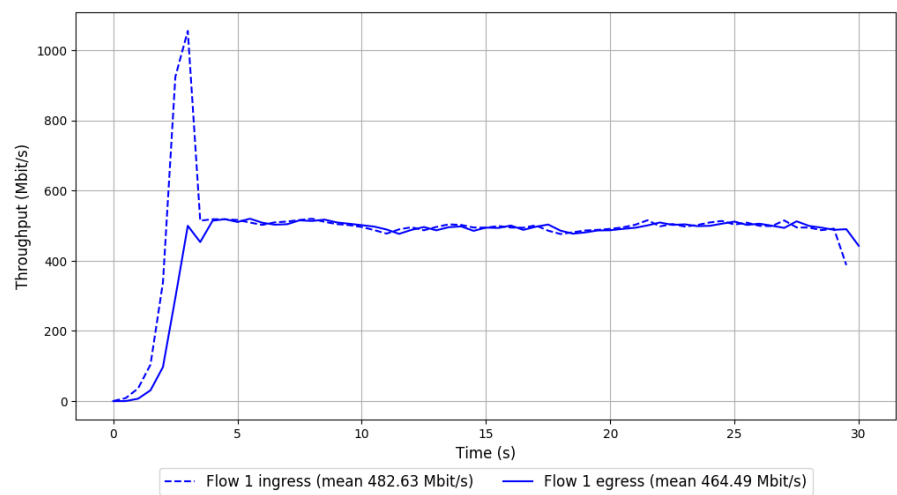
-- Flow 1:

Average throughput: 464.49 Mbit/s

95th percentile per-packet one-way delay: 57.566 ms

Loss rate: 3.76%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 00:59:23

End at: 2018-05-22 00:59:53

Local clock offset: -0.72 ms

Remote clock offset: -39.309 ms

Below is generated by plot.py at 2018-05-22 02:07:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.71 Mbit/s

95th percentile per-packet one-way delay: 56.066 ms

Loss rate: 3.78%

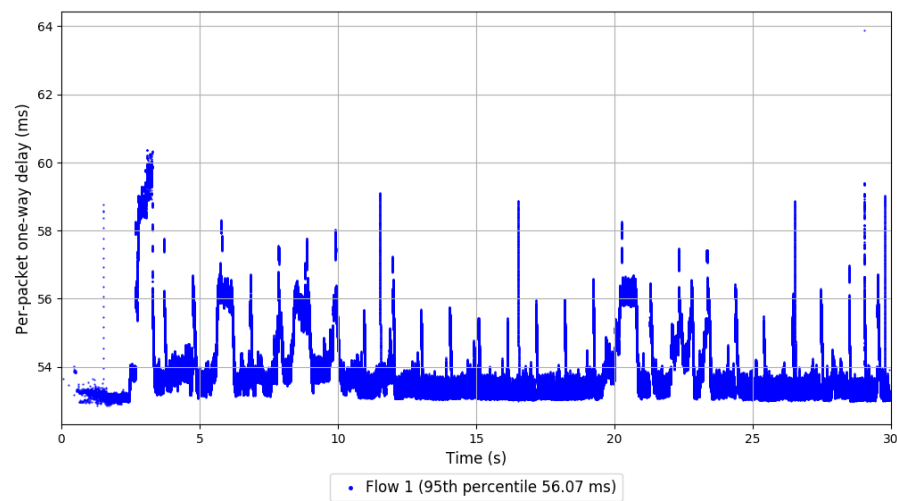
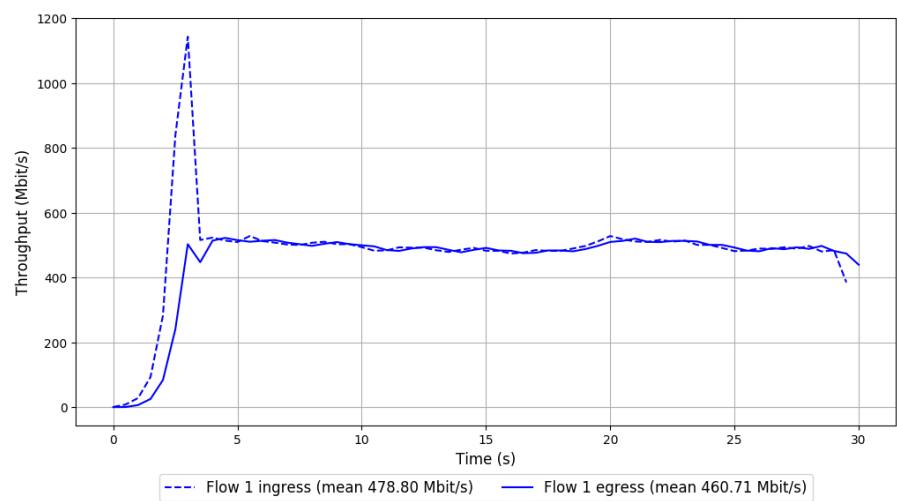
-- Flow 1:

Average throughput: 460.71 Mbit/s

95th percentile per-packet one-way delay: 56.066 ms

Loss rate: 3.78%

Run 9: Report of PCC-Allegro — Data Link

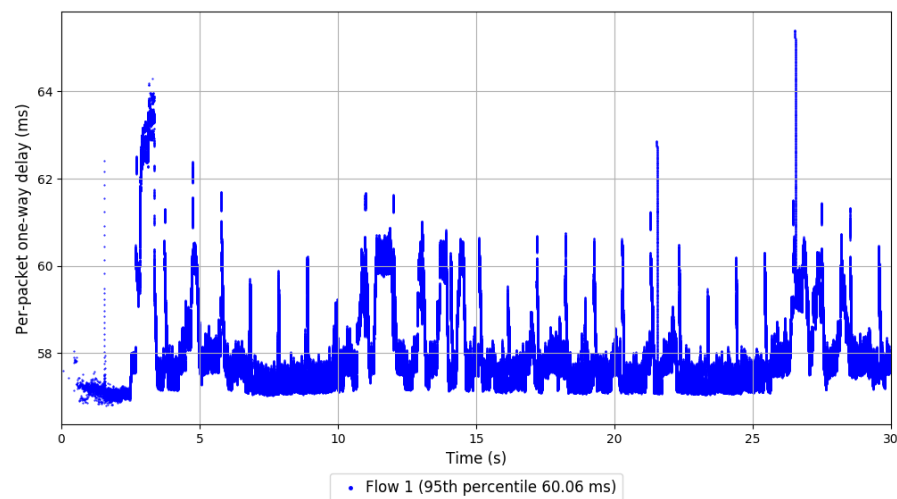
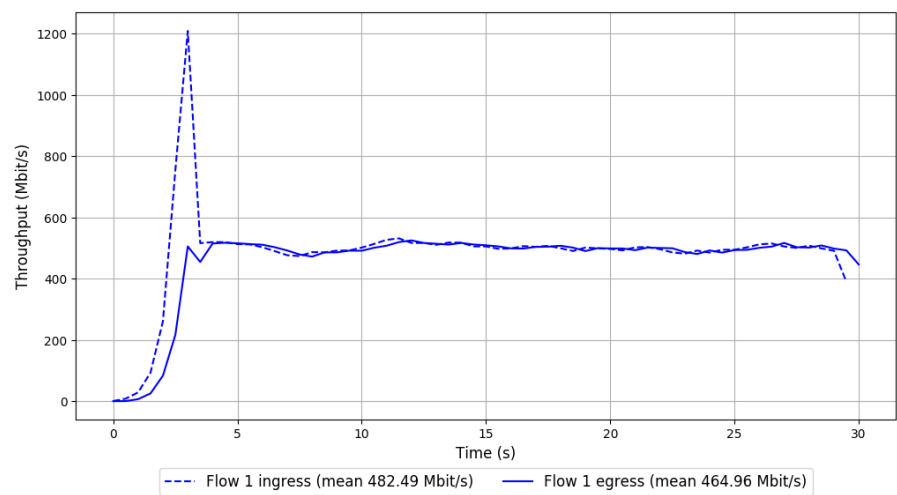


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 01:19:58
End at: 2018-05-22 01:20:28
Local clock offset: 0.405 ms
Remote clock offset: -32.784 ms

Below is generated by plot.py at 2018-05-22 02:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 464.96 Mbit/s
95th percentile per-packet one-way delay: 60.062 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 464.96 Mbit/s
95th percentile per-packet one-way delay: 60.062 ms
Loss rate: 3.63%

Run 10: Report of PCC-Allegro — Data Link

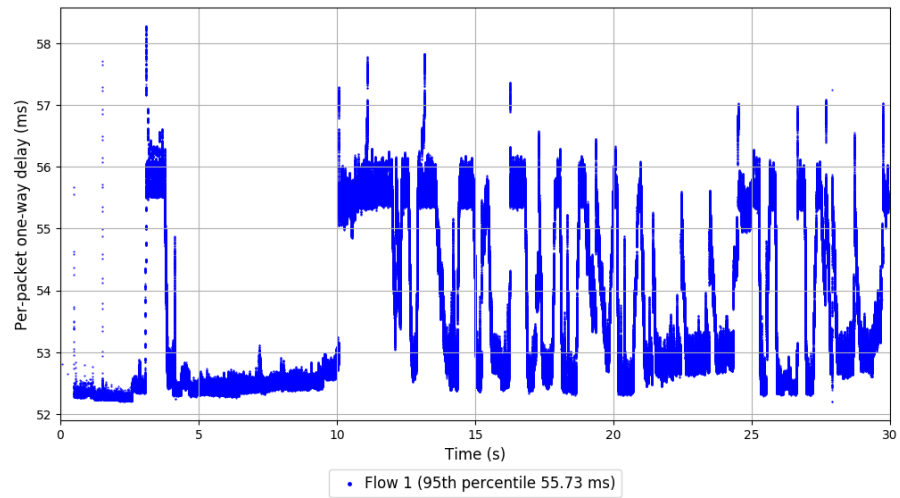
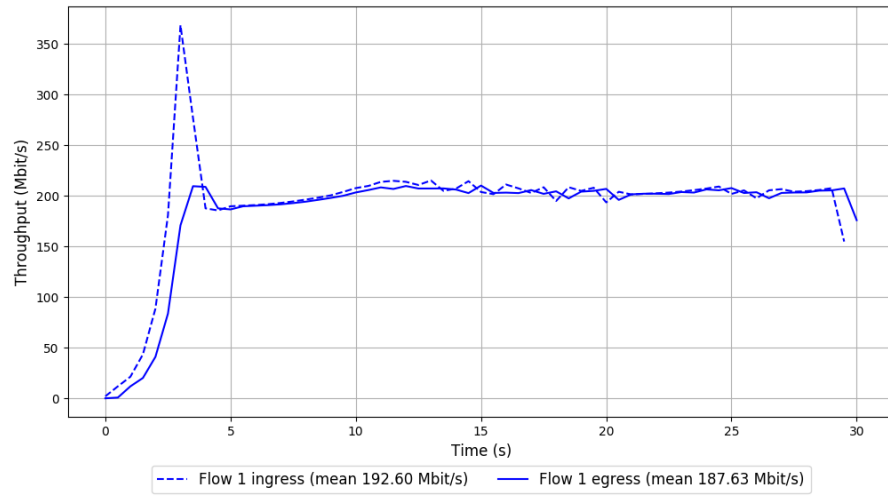


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-21 21:51:30
End at: 2018-05-21 21:52:01
Local clock offset: -2.369 ms
Remote clock offset: -40.73 ms

# Below is generated by plot.py at 2018-05-22 02:07:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 55.732 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 55.732 ms
Loss rate: 2.57%
```

Run 1: Report of PCC-Expr — Data Link

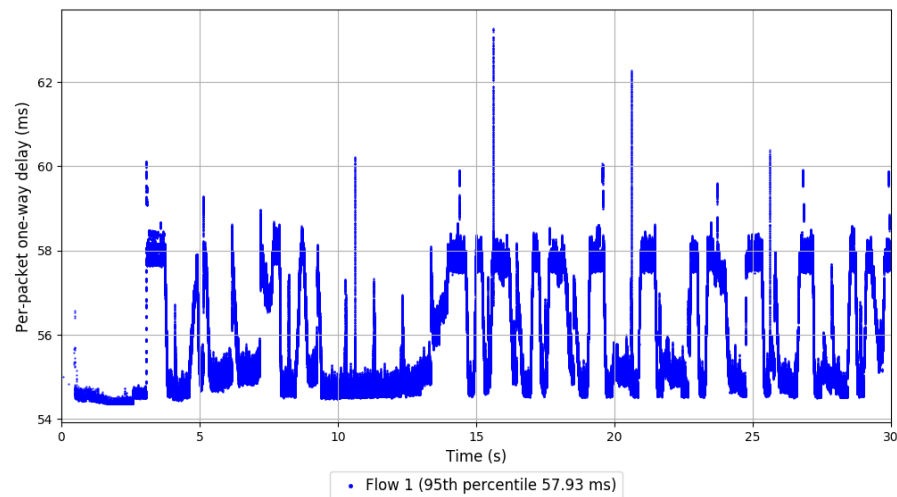
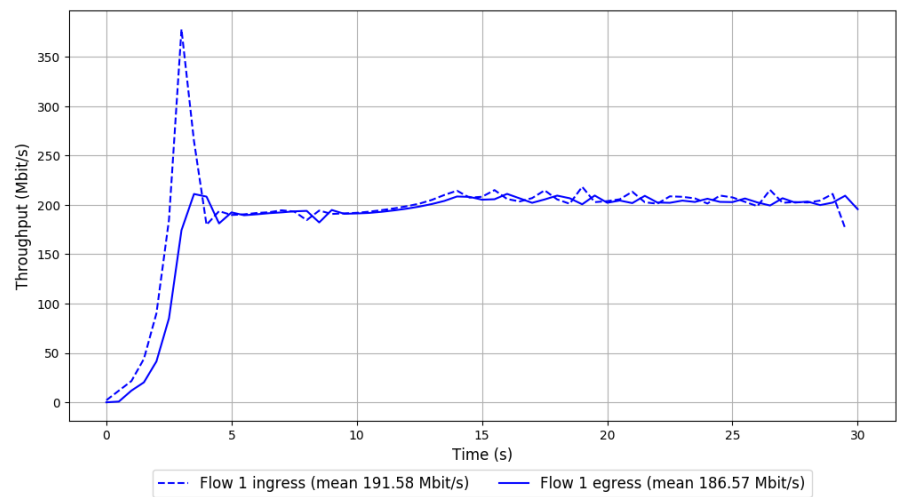


Run 2: Statistics of PCC-Expr

Start at: 2018-05-21 22:17:40
End at: 2018-05-21 22:18:10
Local clock offset: -0.327 ms
Remote clock offset: -37.92 ms

Below is generated by plot.py at 2018-05-22 02:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.57 Mbit/s
95th percentile per-packet one-way delay: 57.928 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 186.57 Mbit/s
95th percentile per-packet one-way delay: 57.928 ms
Loss rate: 2.61%

Run 2: Report of PCC-Expr — Data Link

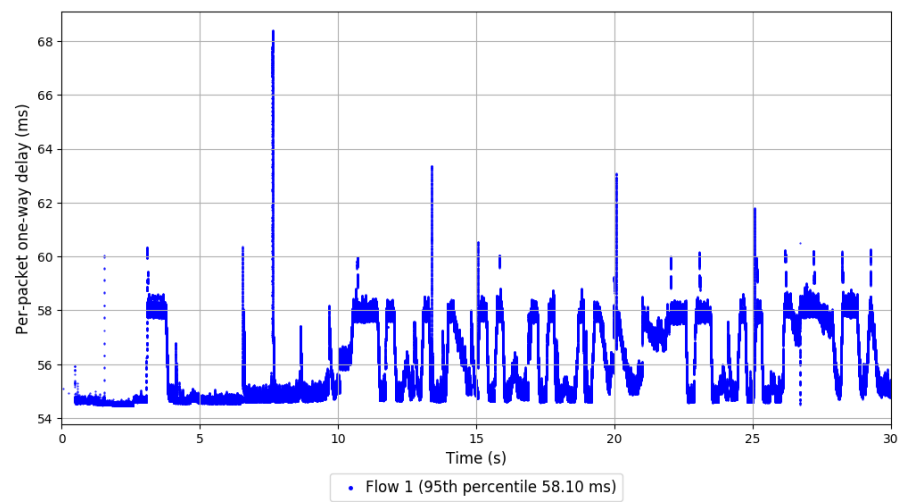
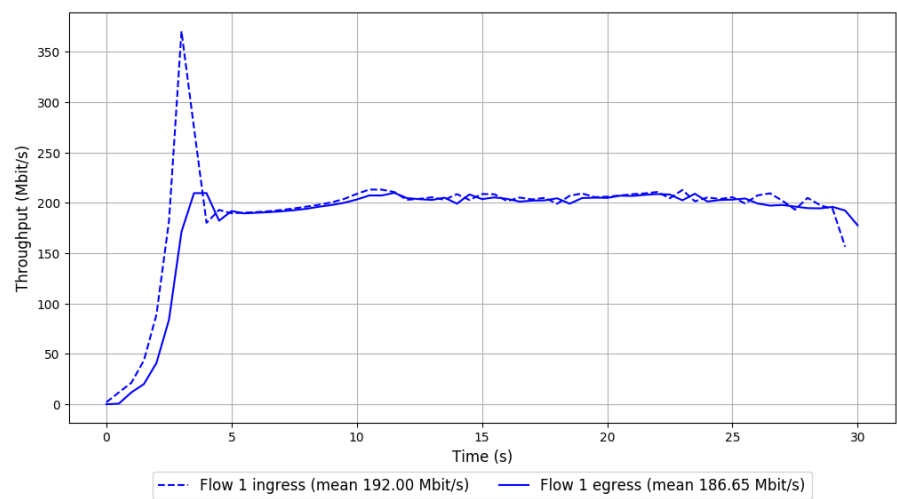


Run 3: Statistics of PCC-Expr

Start at: 2018-05-21 22:43:57
End at: 2018-05-21 22:44:27
Local clock offset: 0.84 ms
Remote clock offset: -35.551 ms

Below is generated by plot.py at 2018-05-22 02:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.65 Mbit/s
95th percentile per-packet one-way delay: 58.102 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 186.65 Mbit/s
95th percentile per-packet one-way delay: 58.102 ms
Loss rate: 2.79%

Run 3: Report of PCC-Expr — Data Link

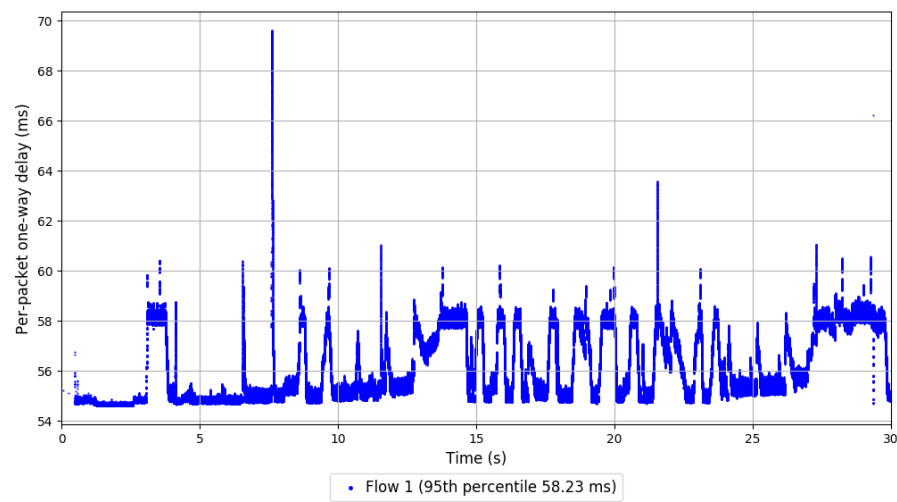
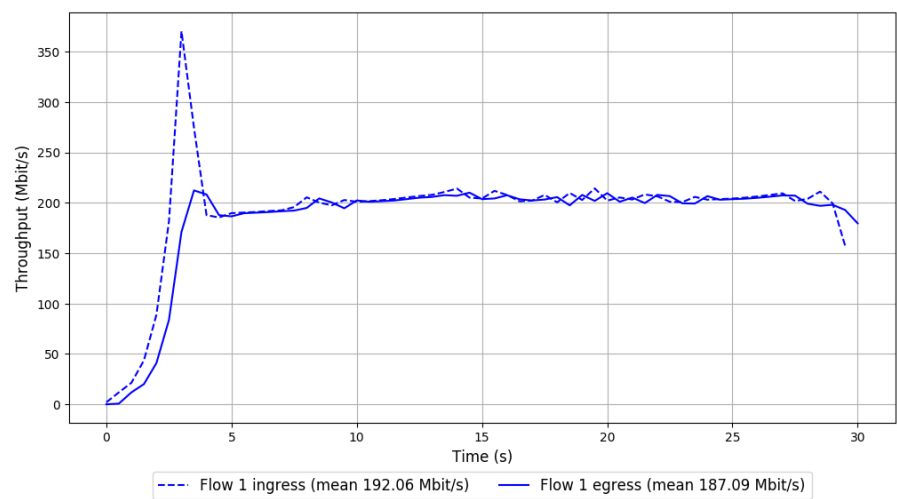


Run 4: Statistics of PCC-Expr

Start at: 2018-05-21 23:10:14
End at: 2018-05-21 23:10:44
Local clock offset: 1.568 ms
Remote clock offset: -33.833 ms

Below is generated by plot.py at 2018-05-22 02:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.09 Mbit/s
95th percentile per-packet one-way delay: 58.232 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 187.09 Mbit/s
95th percentile per-packet one-way delay: 58.232 ms
Loss rate: 2.59%

Run 4: Report of PCC-Expr — Data Link

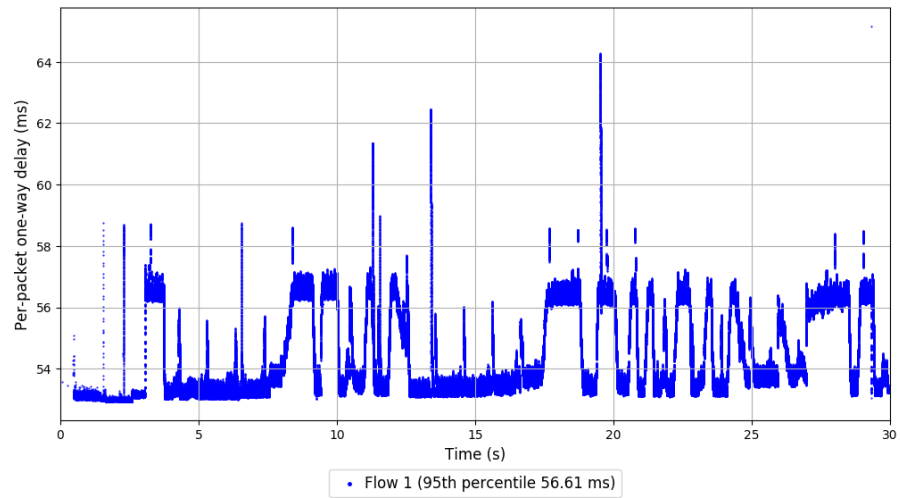
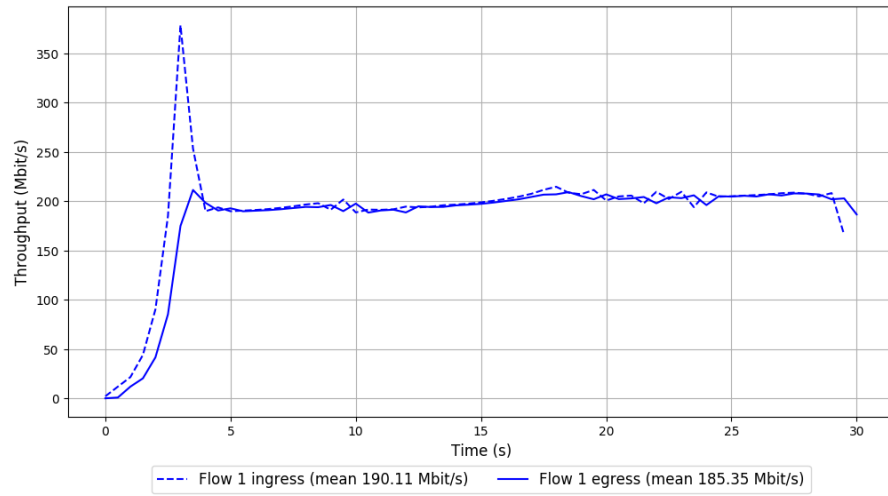


Run 5: Statistics of PCC-Expr

Start at: 2018-05-21 23:30:50
End at: 2018-05-21 23:31:20
Local clock offset: -1.796 ms
Remote clock offset: -38.917 ms

Below is generated by plot.py at 2018-05-22 02:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.35 Mbit/s
95th percentile per-packet one-way delay: 56.606 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 185.35 Mbit/s
95th percentile per-packet one-way delay: 56.606 ms
Loss rate: 2.50%

Run 5: Report of PCC-Expr — Data Link

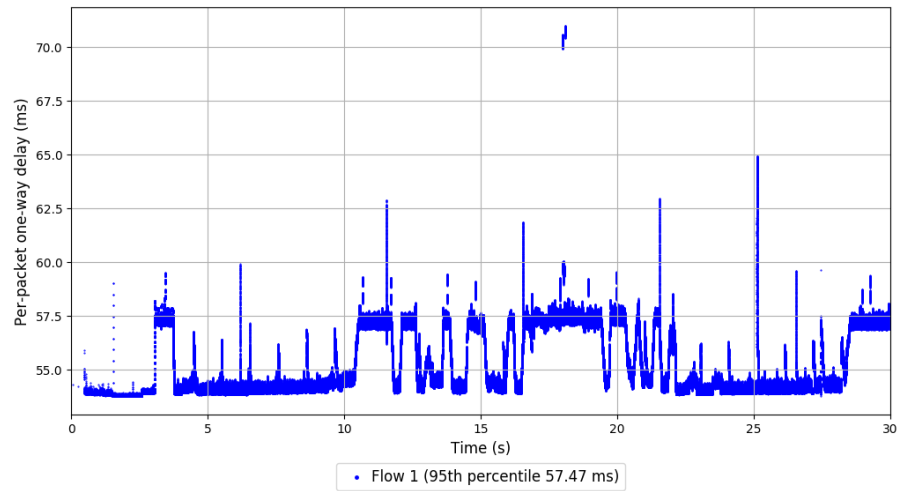
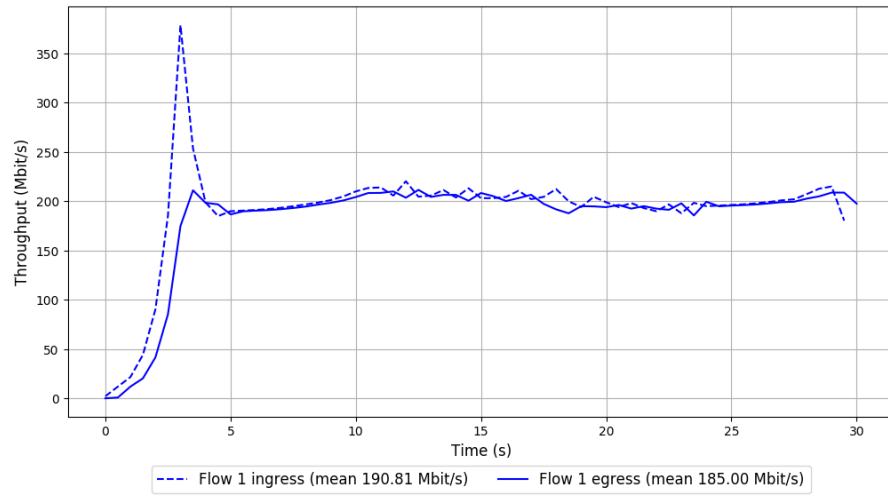


Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 00:01:05
End at: 2018-05-22 00:01:35
Local clock offset: 2.952 ms
Remote clock offset: -34.094 ms

Below is generated by plot.py at 2018-05-22 02:10:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.00 Mbit/s
95th percentile per-packet one-way delay: 57.467 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 185.00 Mbit/s
95th percentile per-packet one-way delay: 57.467 ms
Loss rate: 3.03%

Run 6: Report of PCC-Expr — Data Link

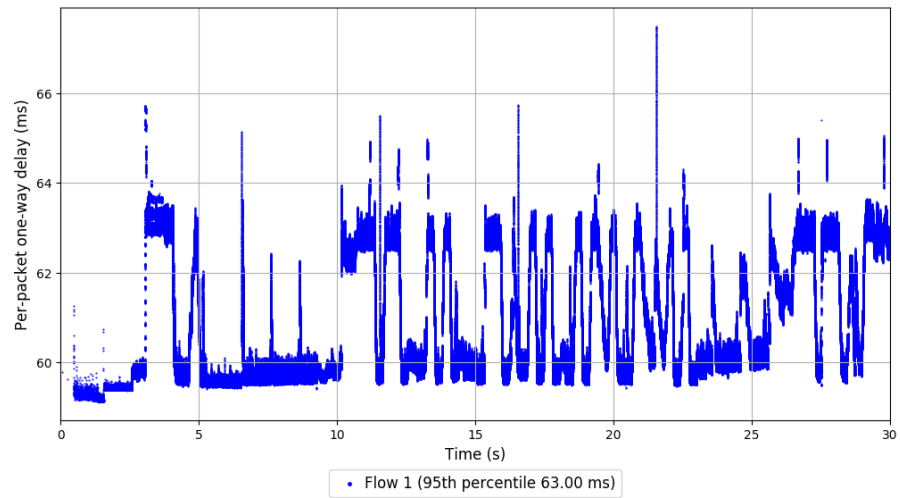
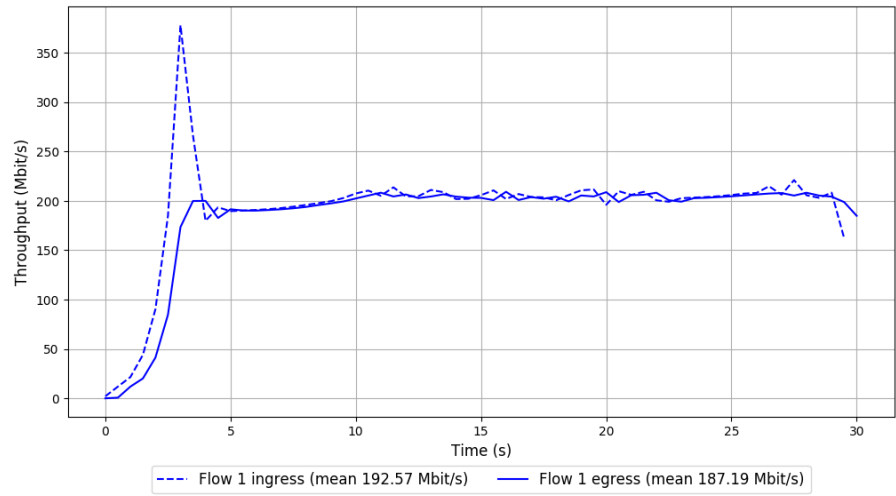


Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 00:21:43
End at: 2018-05-22 00:22:13
Local clock offset: -1.003 ms
Remote clock offset: -31.844 ms

Below is generated by plot.py at 2018-05-22 02:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.19 Mbit/s
95th percentile per-packet one-way delay: 63.001 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 187.19 Mbit/s
95th percentile per-packet one-way delay: 63.001 ms
Loss rate: 2.78%

Run 7: Report of PCC-Expr — Data Link

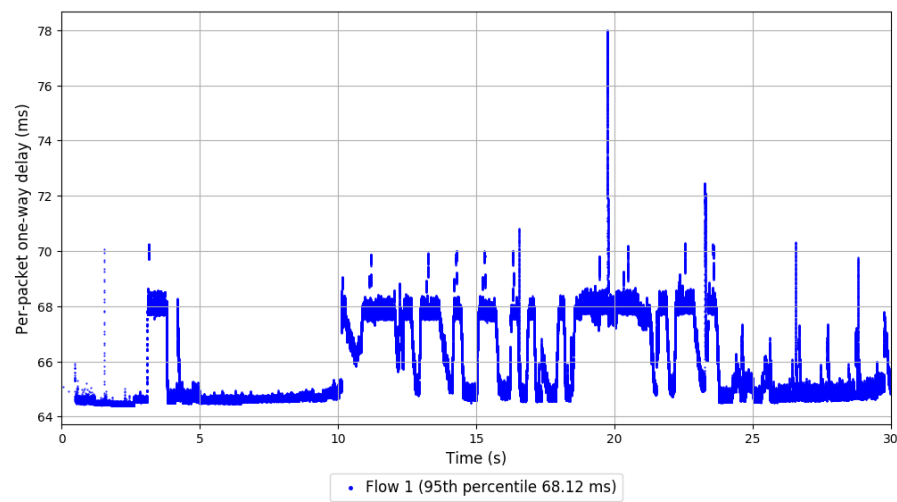
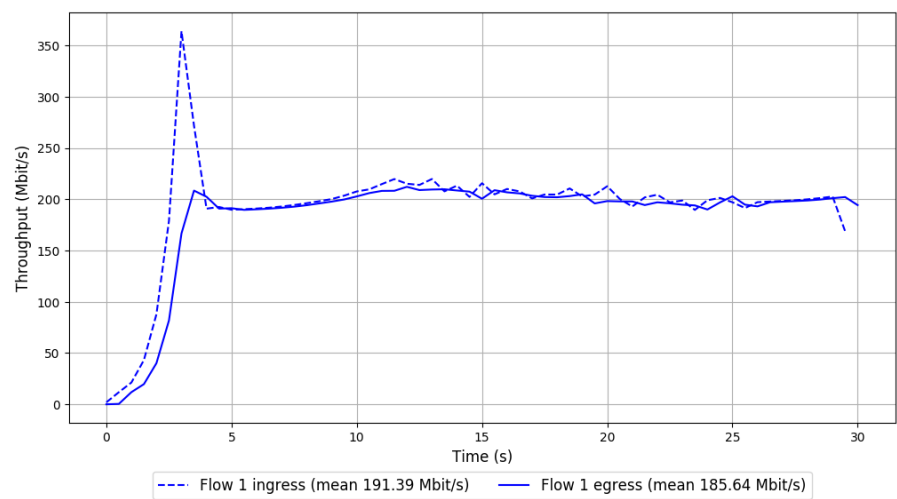


Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 00:47:59
End at: 2018-05-22 00:48:29
Local clock offset: -0.41 ms
Remote clock offset: -30.49 ms

Below is generated by plot.py at 2018-05-22 02:10:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.64 Mbit/s
95th percentile per-packet one-way delay: 68.118 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 185.64 Mbit/s
95th percentile per-packet one-way delay: 68.118 ms
Loss rate: 3.01%

Run 8: Report of PCC-Expr — Data Link

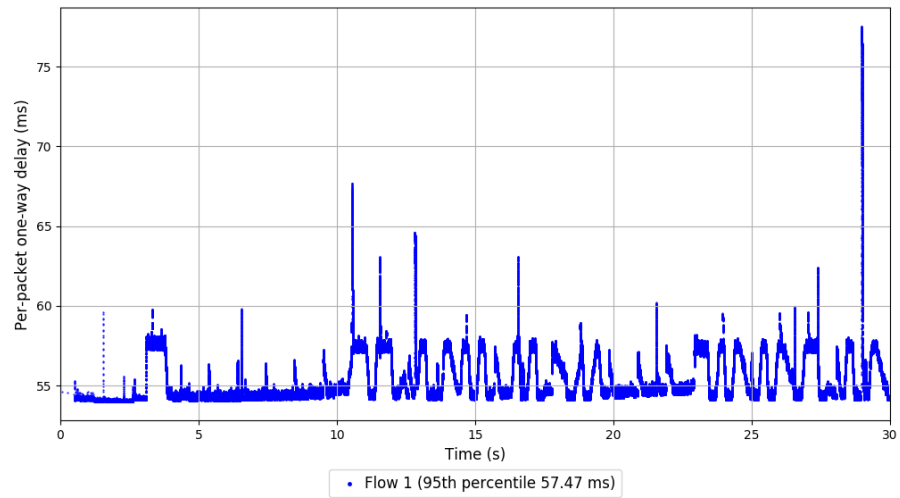
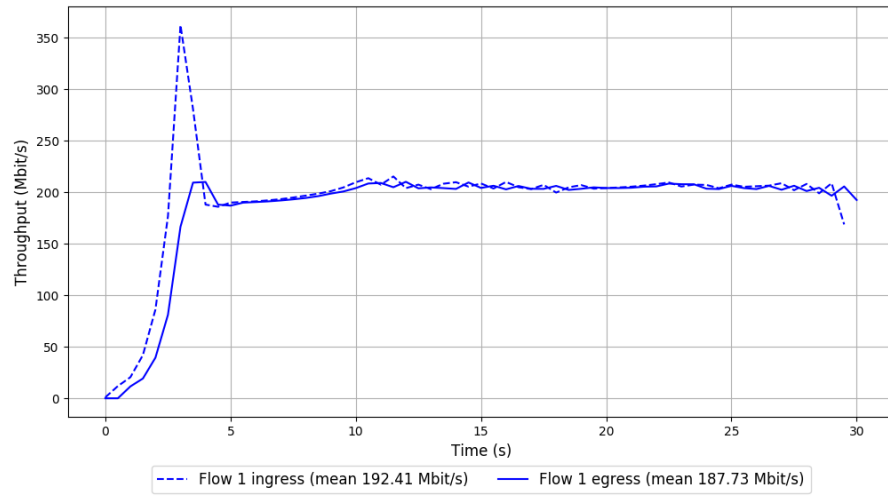


Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 01:08:33
End at: 2018-05-22 01:09:03
Local clock offset: 1.314 ms
Remote clock offset: -35.236 ms

Below is generated by plot.py at 2018-05-22 02:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.73 Mbit/s
95th percentile per-packet one-way delay: 57.473 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 187.73 Mbit/s
95th percentile per-packet one-way delay: 57.473 ms
Loss rate: 2.44%

Run 9: Report of PCC-Expr — Data Link

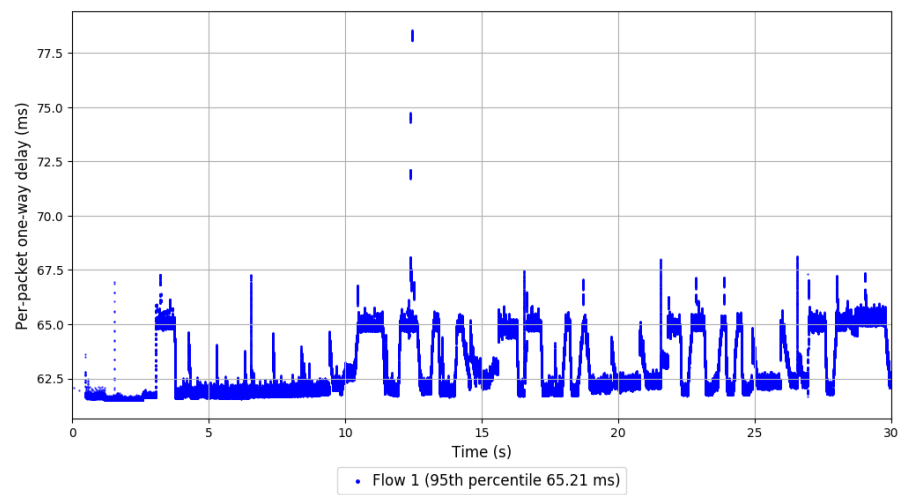
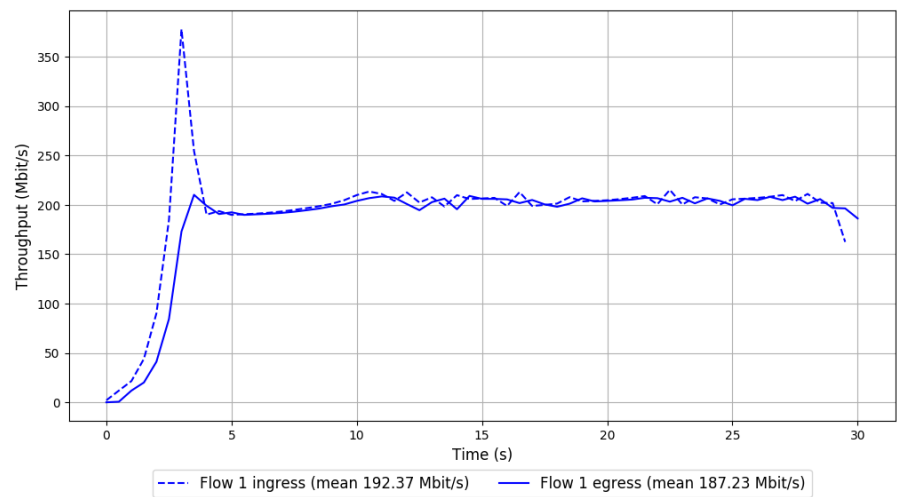


Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 01:29:07
End at: 2018-05-22 01:29:37
Local clock offset: -1.855 ms
Remote clock offset: -31.631 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.23 Mbit/s
95th percentile per-packet one-way delay: 65.214 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 187.23 Mbit/s
95th percentile per-packet one-way delay: 65.214 ms
Loss rate: 2.67%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

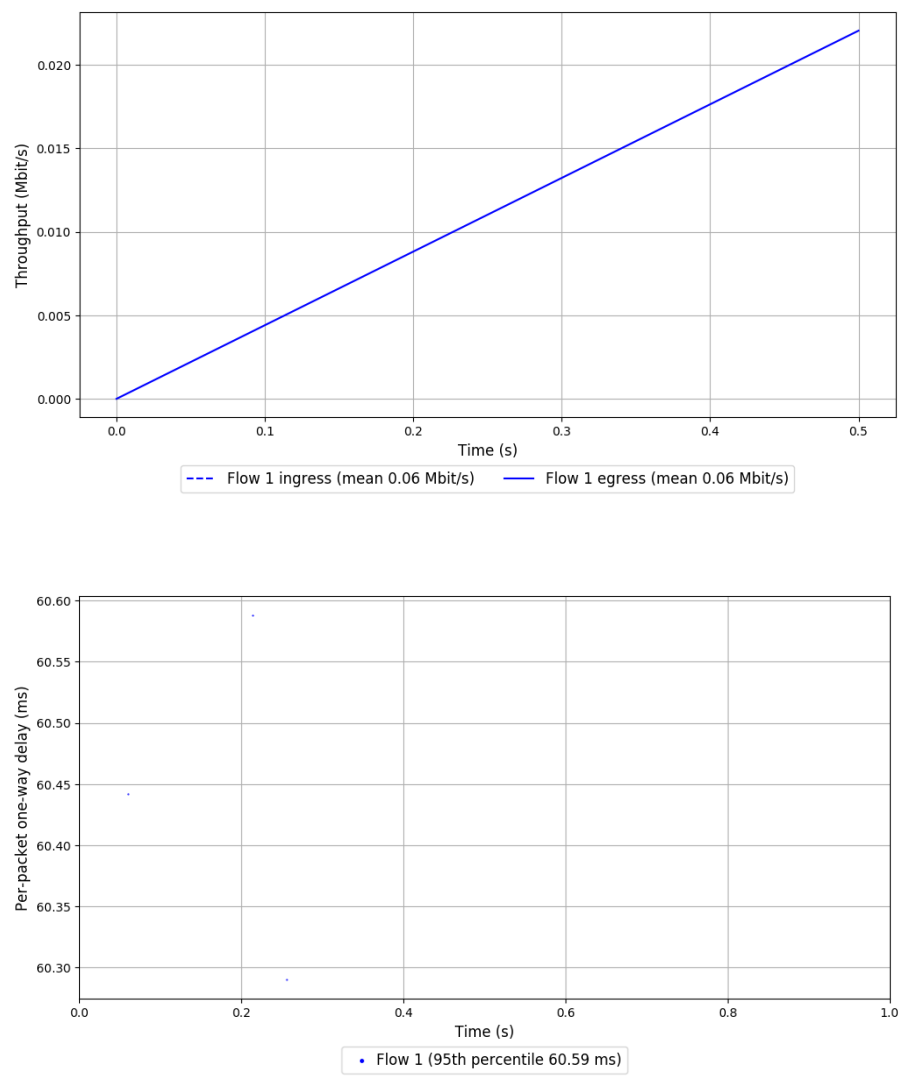
Start at: 2018-05-21 21:55:32

End at: 2018-05-21 21:56:03

Local clock offset: -0.722 ms

Remote clock offset: -33.494 ms

Run 1: Report of QUIC Cubic — Data Link

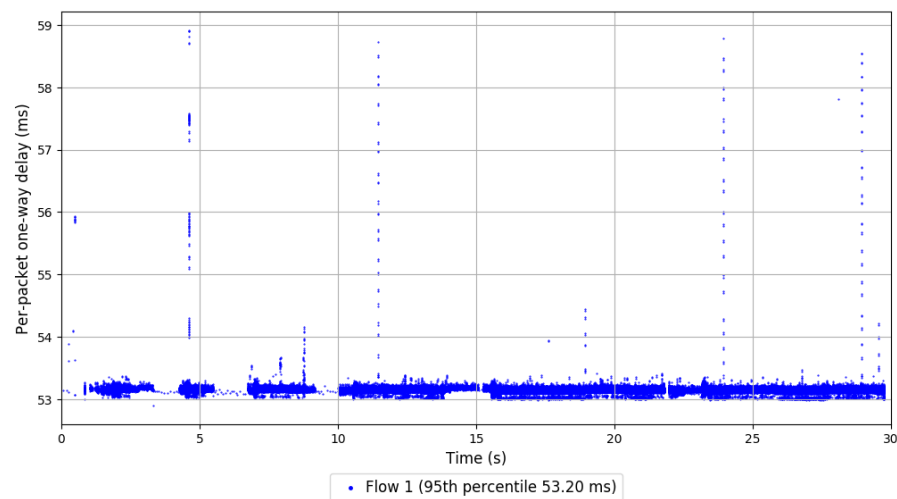
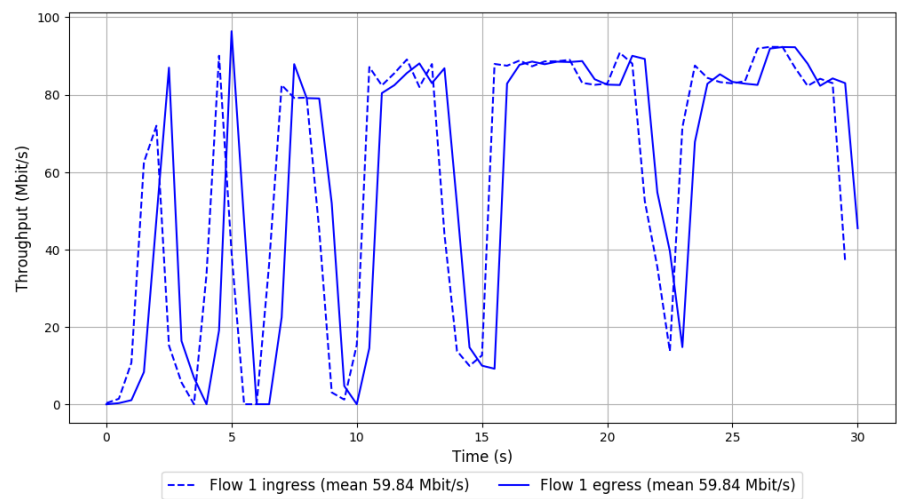


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-21 22:21:39
End at: 2018-05-21 22:22:09
Local clock offset: 0.485 ms
Remote clock offset: -38.253 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 53.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 53.202 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

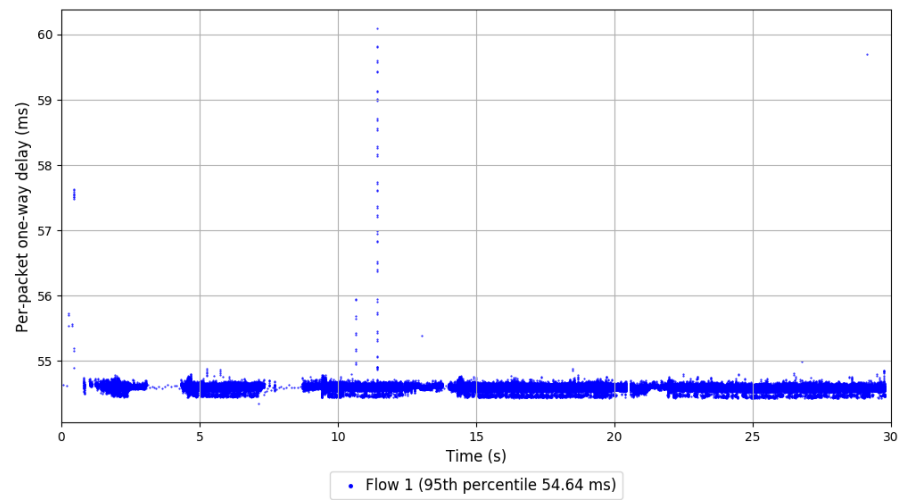
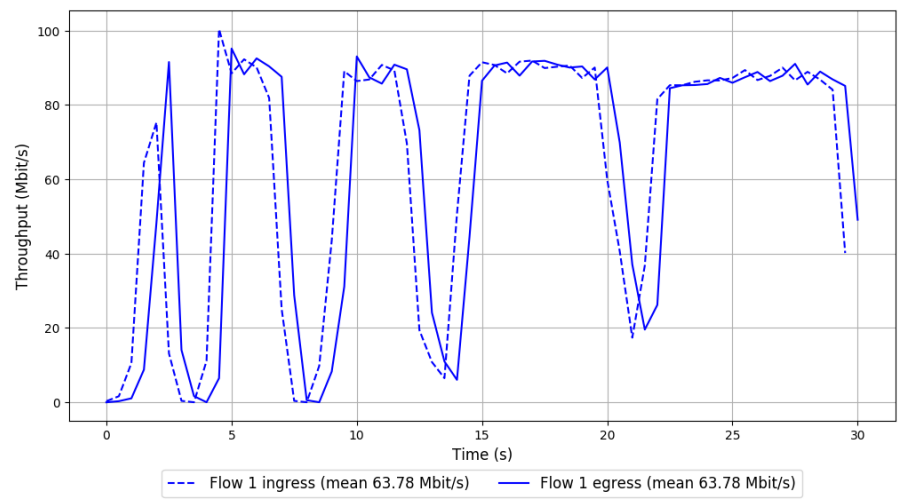


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-21 22:47:55
End at: 2018-05-21 22:48:25
Local clock offset: 0.705 ms
Remote clock offset: -35.636 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 54.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.78 Mbit/s
95th percentile per-packet one-way delay: 54.644 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

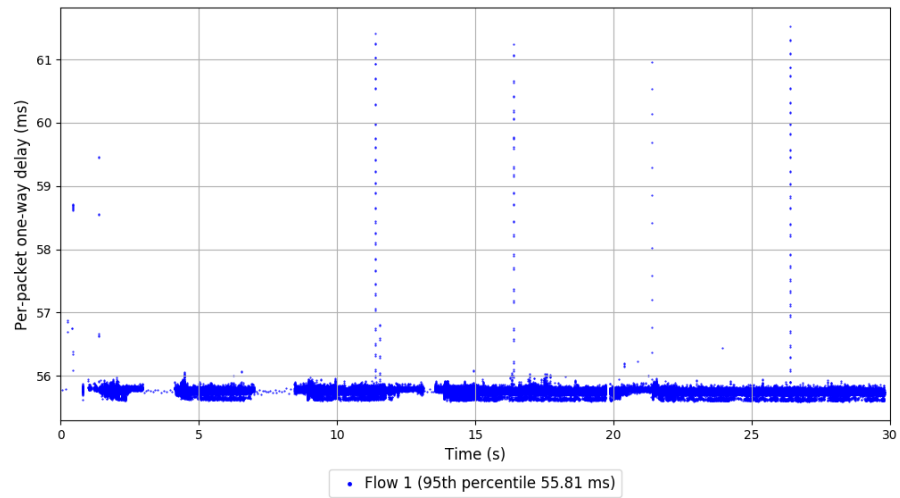
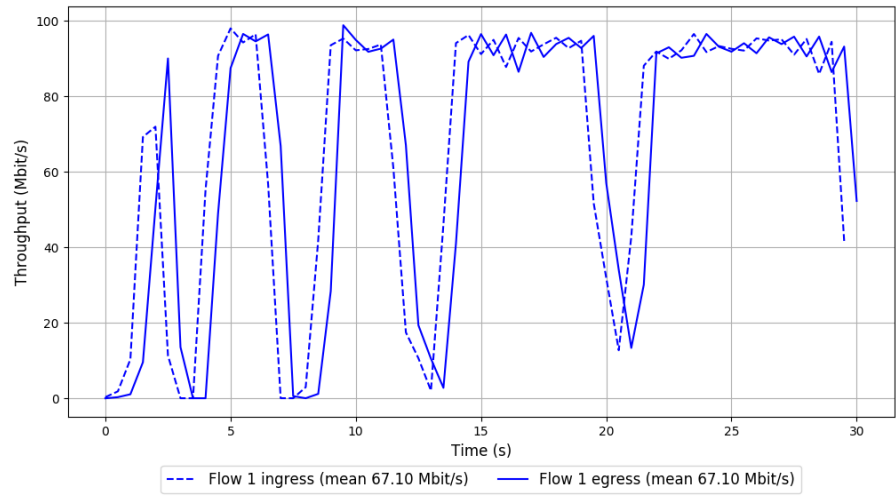


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-21 23:14:15
End at: 2018-05-21 23:14:45
Local clock offset: 1.109 ms
Remote clock offset: -33.034 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 55.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 55.812 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

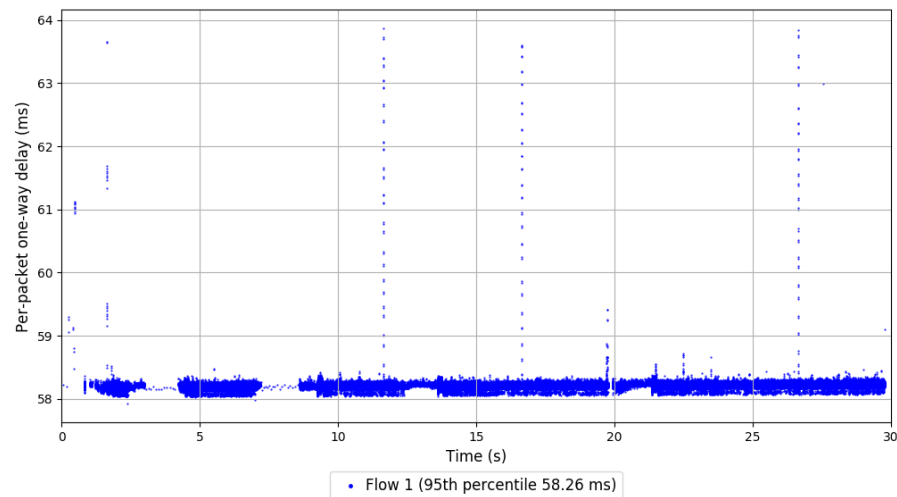
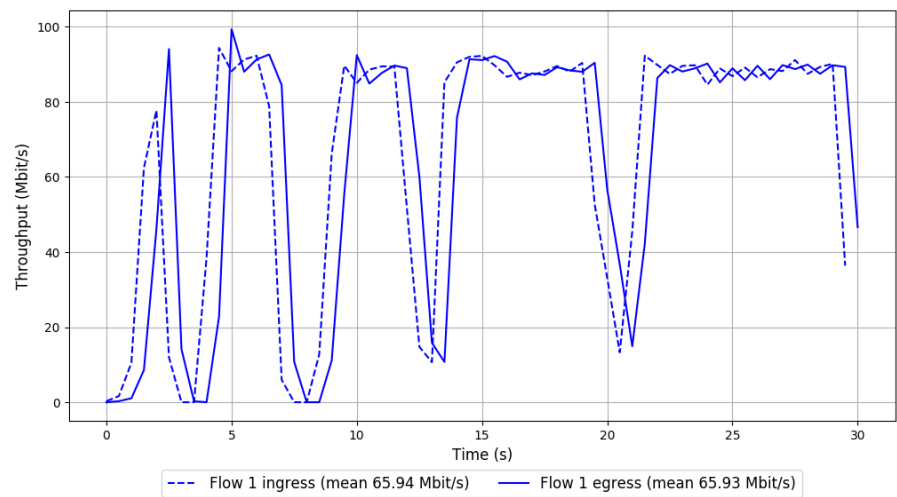


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-21 23:34:48
End at: 2018-05-21 23:35:18
Local clock offset: -0.038 ms
Remote clock offset: -35.382 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 58.261 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 58.261 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 00:05:07

End at: 2018-05-22 00:05:37

Local clock offset: 2.383 ms

Remote clock offset: -29.23 ms

Below is generated by plot.py at 2018-05-22 02:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.57 Mbit/s

95th percentile per-packet one-way delay: 61.606 ms

Loss rate: 0.01%

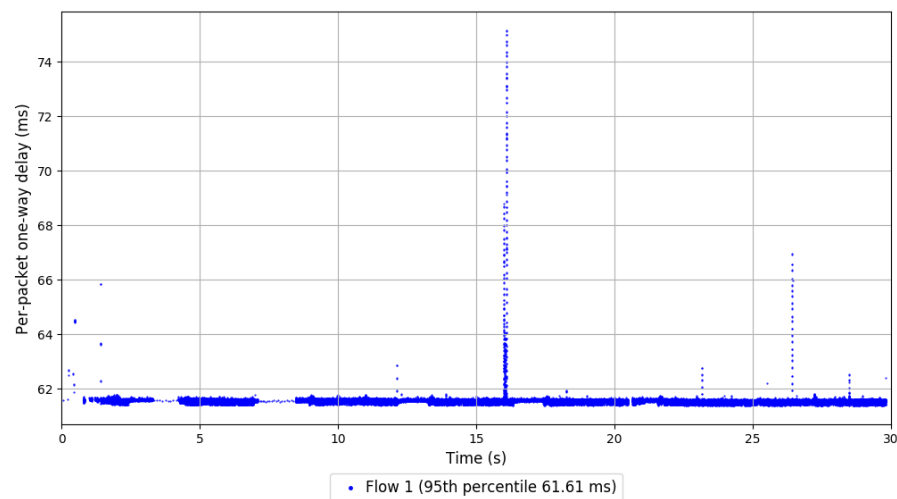
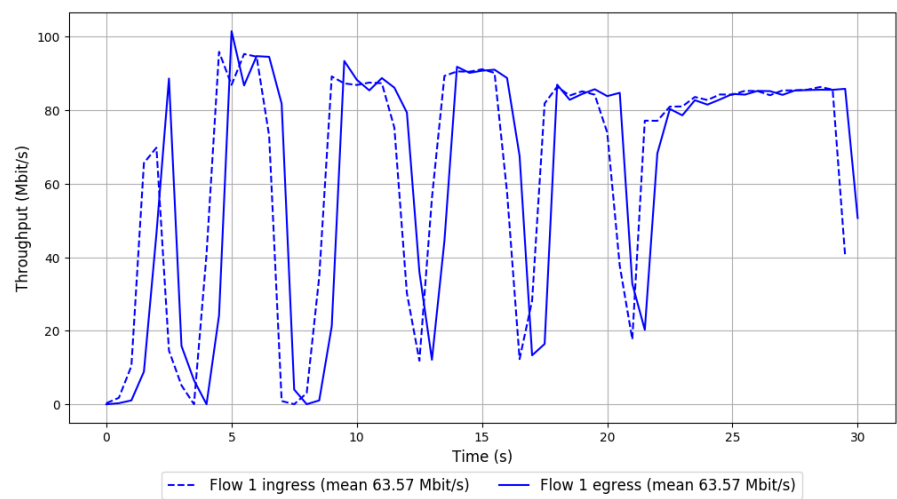
-- Flow 1:

Average throughput: 63.57 Mbit/s

95th percentile per-packet one-way delay: 61.606 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link

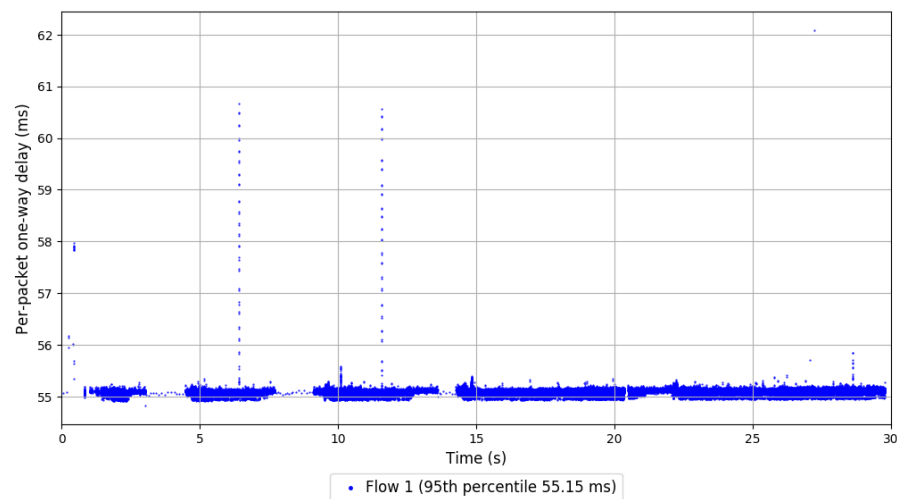
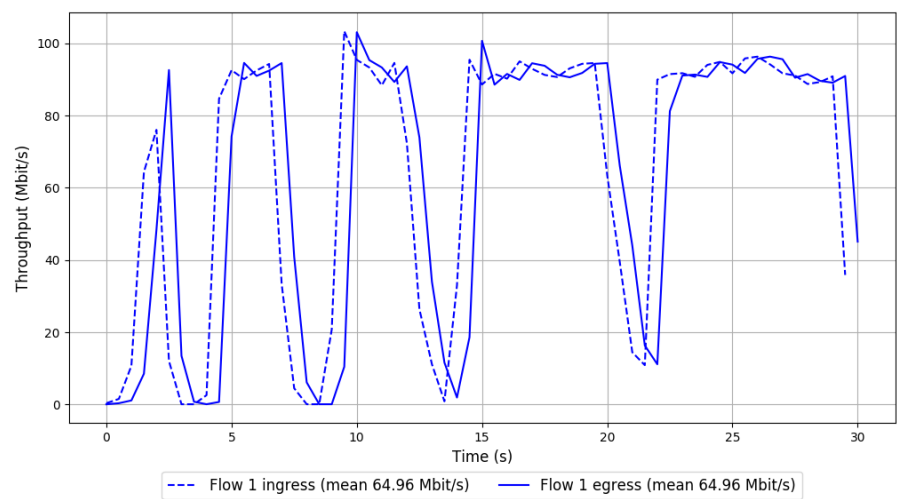


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 00:31:21
End at: 2018-05-22 00:31:51
Local clock offset: 1.871 ms
Remote clock offset: -33.933 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.96 Mbit/s
95th percentile per-packet one-way delay: 55.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.96 Mbit/s
95th percentile per-packet one-way delay: 55.145 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

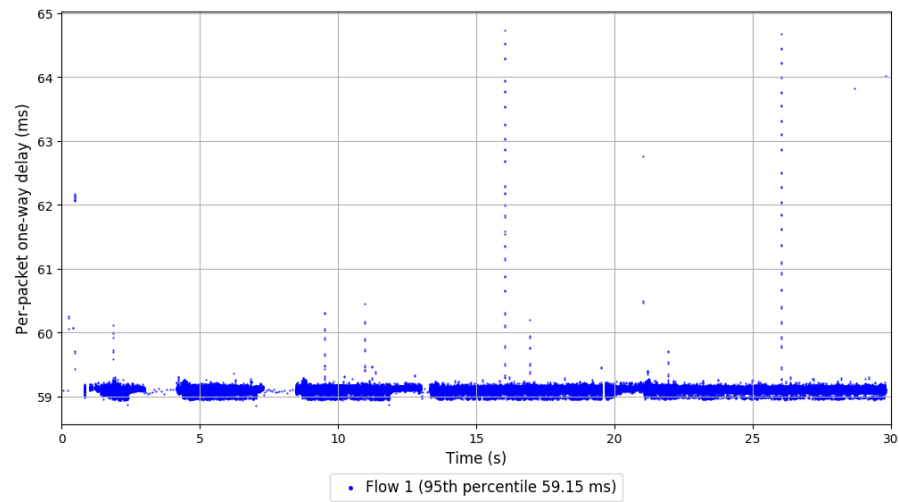
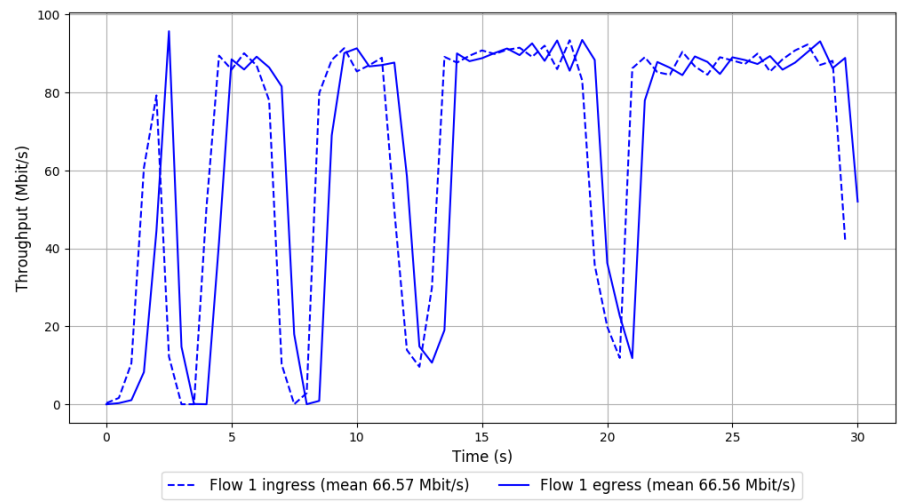


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 00:51:57
End at: 2018-05-22 00:52:27
Local clock offset: 2.074 ms
Remote clock offset: -33.602 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 59.151 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 59.151 ms
Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link

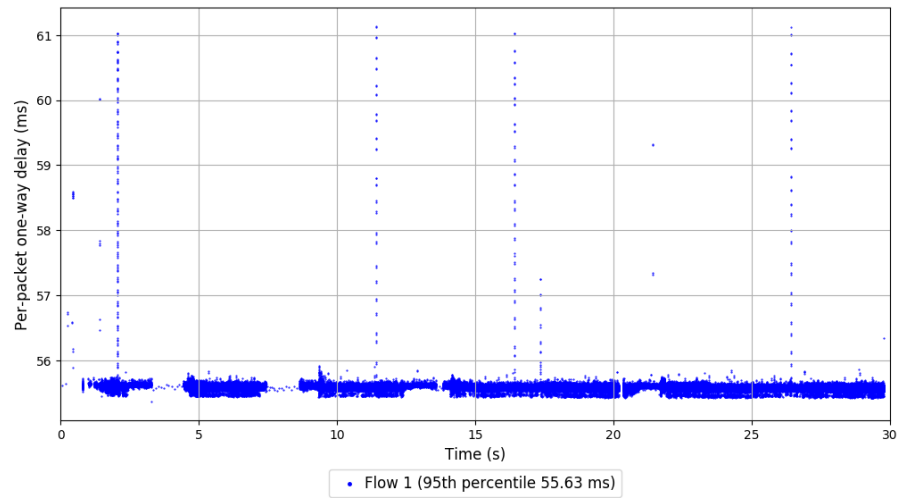
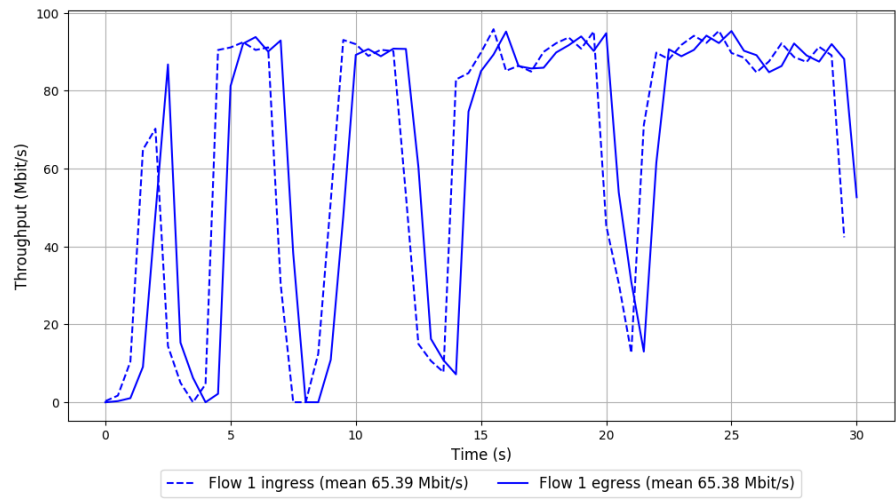


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 01:12:32
End at: 2018-05-22 01:13:02
Local clock offset: 1.003 ms
Remote clock offset: -34.148 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 55.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 55.633 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 01:33:05

End at: 2018-05-22 01:33:35

Local clock offset: 1.949 ms

Remote clock offset: -32.233 ms

Below is generated by plot.py at 2018-05-22 02:11:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.90 Mbit/s

95th percentile per-packet one-way delay: 60.792 ms

Loss rate: 0.01%

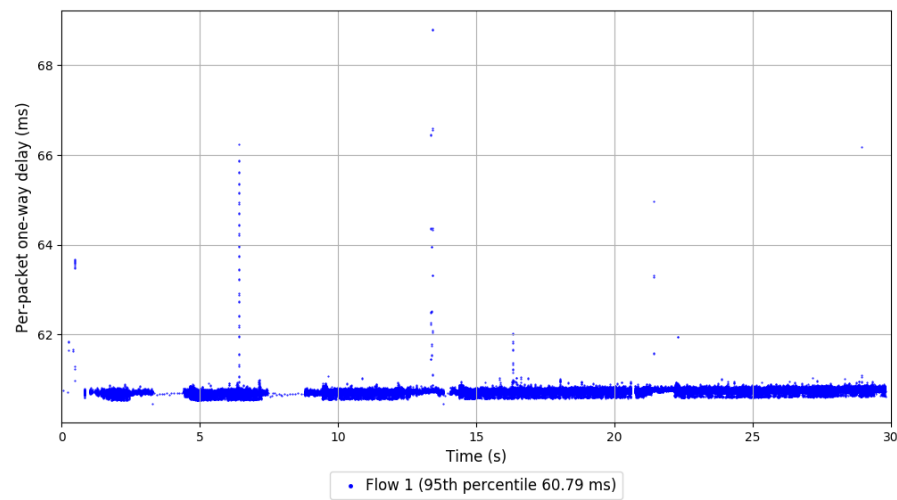
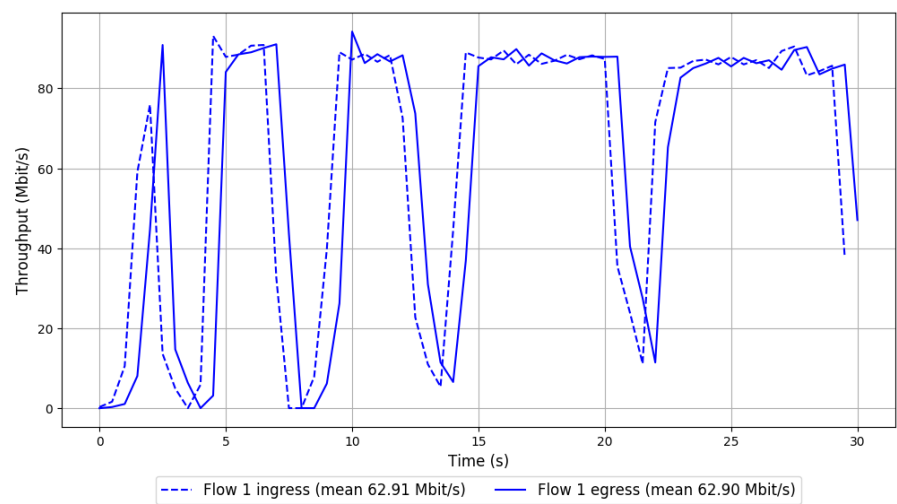
-- Flow 1:

Average throughput: 62.90 Mbit/s

95th percentile per-packet one-way delay: 60.792 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

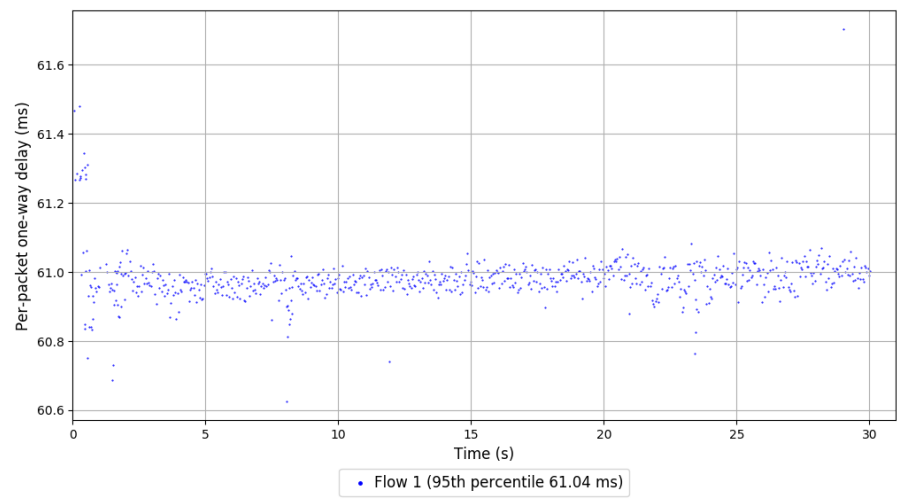
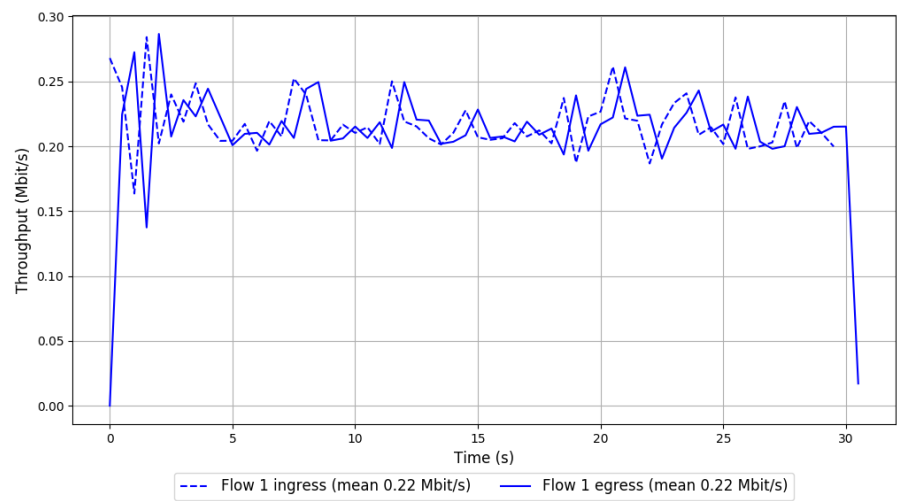


Run 1: Statistics of SCReAM

Start at: 2018-05-21 22:03:32
End at: 2018-05-21 22:04:02
Local clock offset: -0.922 ms
Remote clock offset: -32.033 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

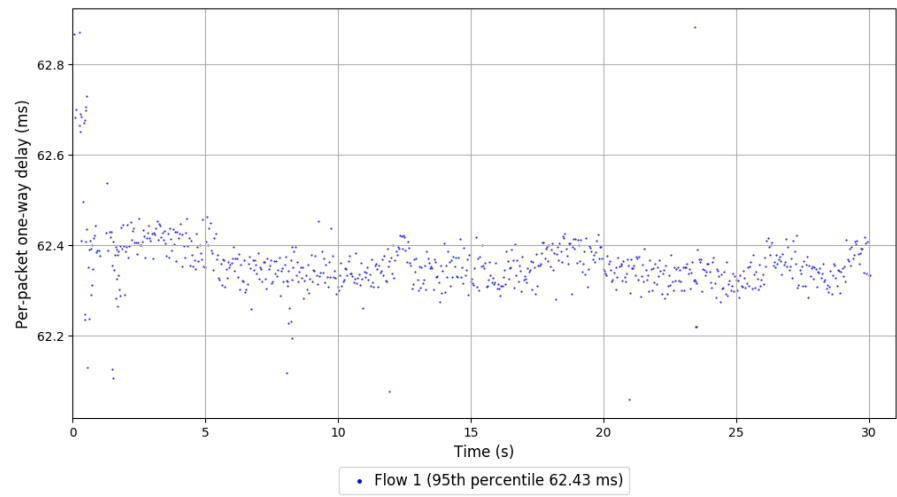
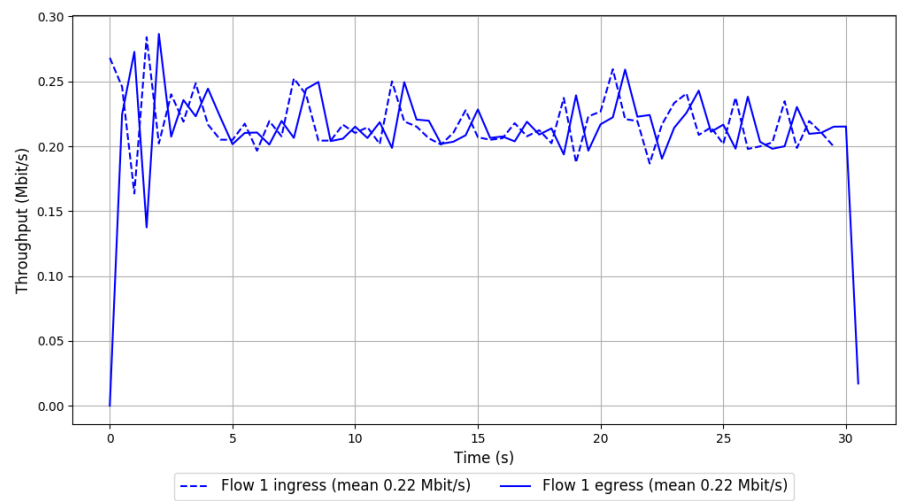


Run 2: Statistics of SCReAM

Start at: 2018-05-21 22:24:17
End at: 2018-05-21 22:24:47
Local clock offset: 0.472 ms
Remote clock offset: -28.926 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.434 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

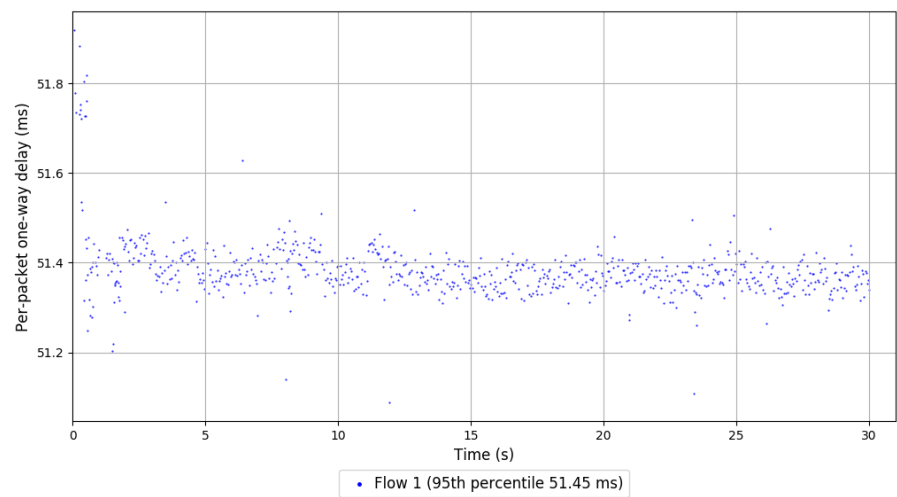
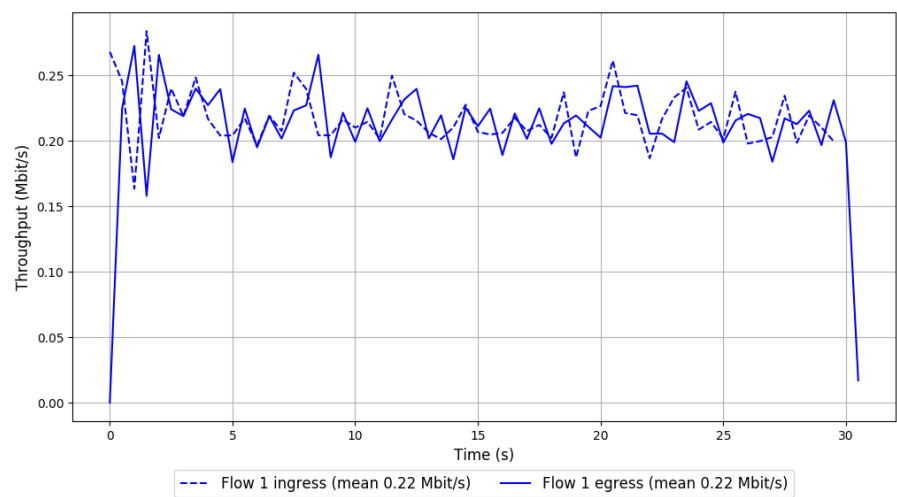


Run 3: Statistics of SCReAM

Start at: 2018-05-21 22:50:33
End at: 2018-05-21 22:51:03
Local clock offset: 2.563 ms
Remote clock offset: -37.228 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.452 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

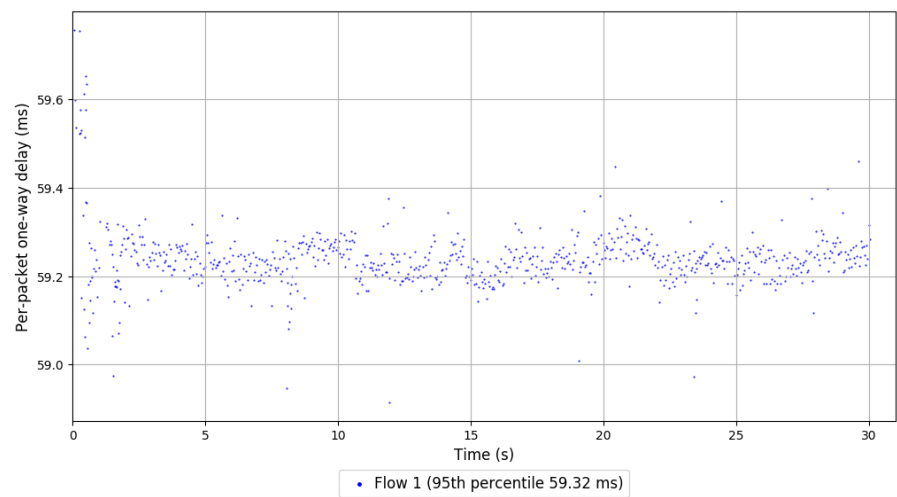
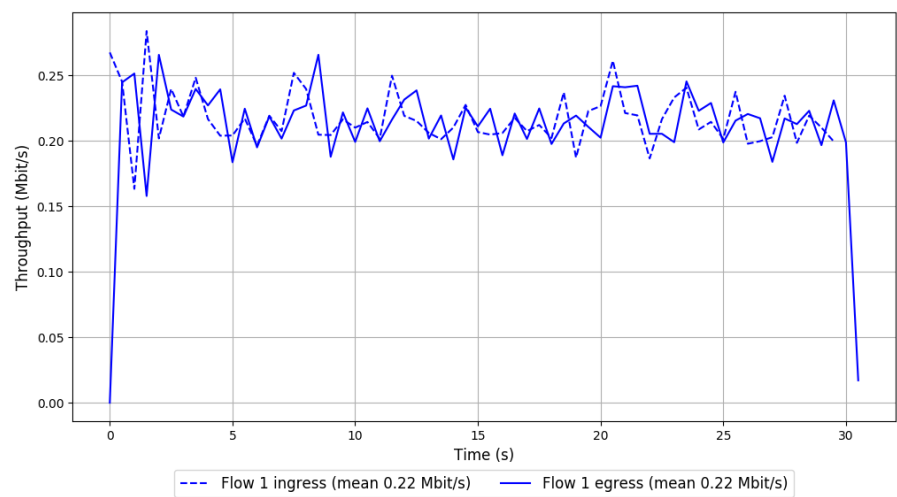


Run 4: Statistics of SCReAM

Start at: 2018-05-21 23:16:52
End at: 2018-05-21 23:17:22
Local clock offset: -2.358 ms
Remote clock offset: -33.127 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.318 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

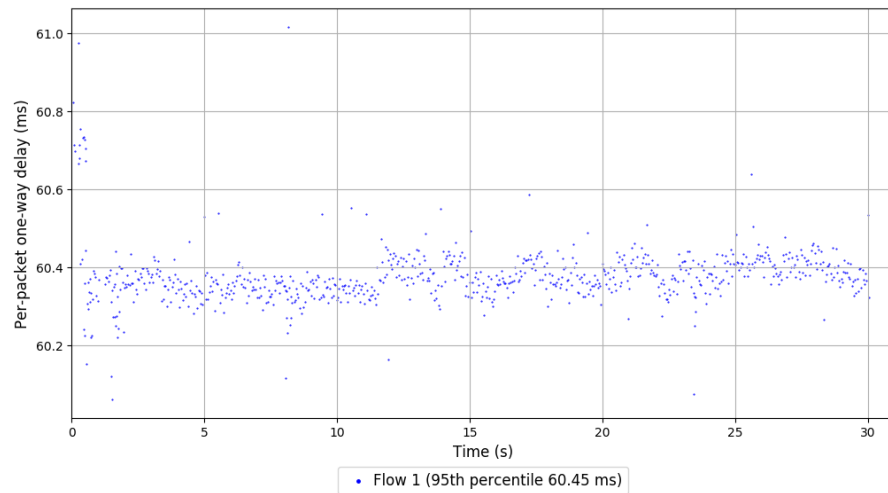
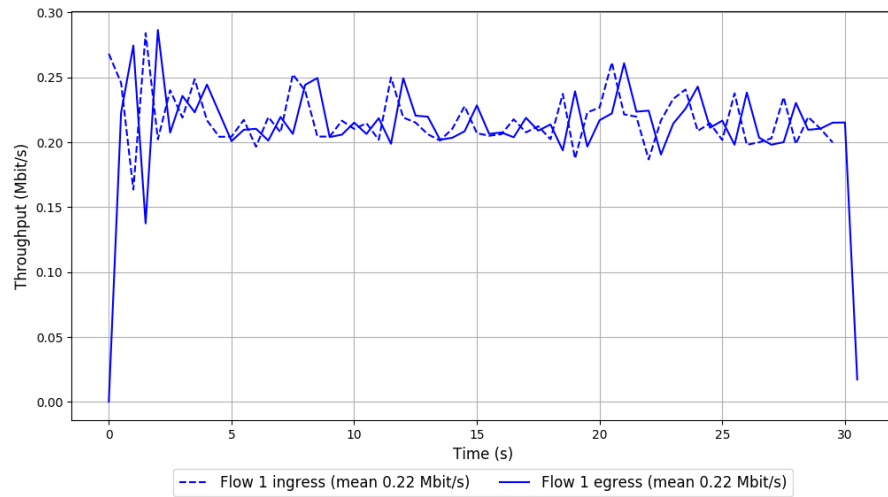


Run 5: Statistics of SCReAM

Start at: 2018-05-21 23:37:28
End at: 2018-05-21 23:37:58
Local clock offset: -0.513 ms
Remote clock offset: -31.482 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.453 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

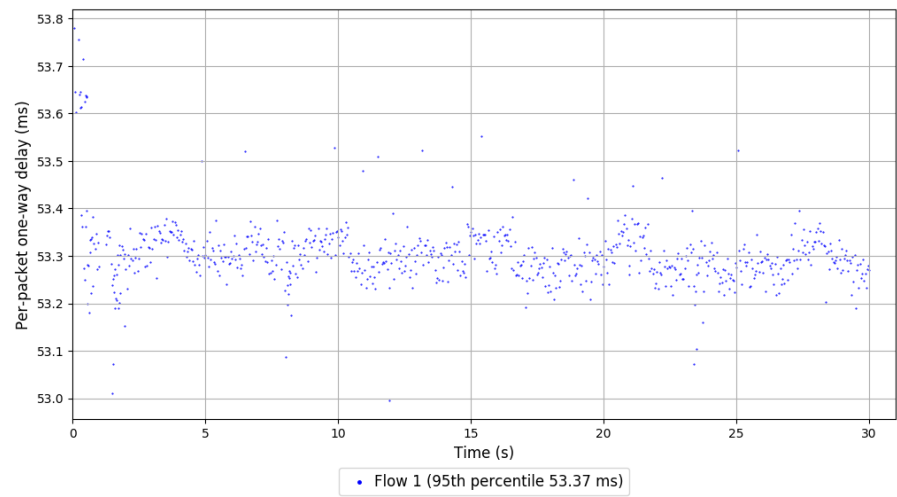
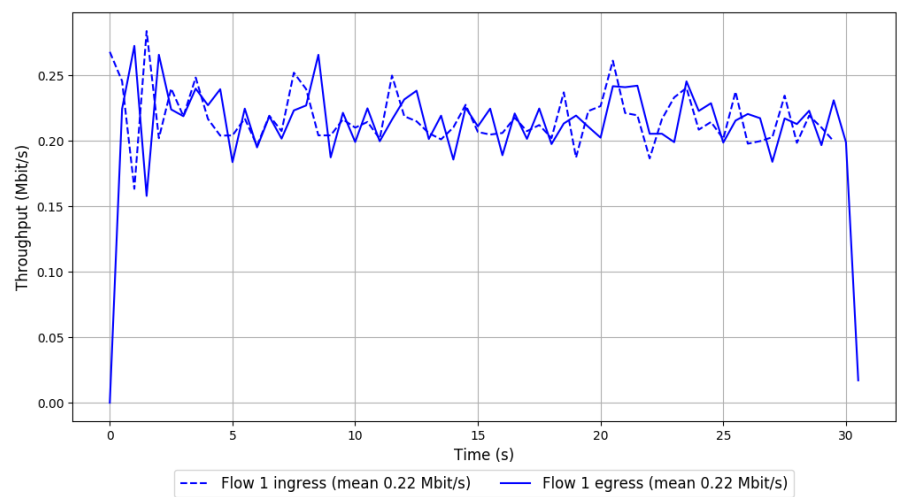


Run 6: Statistics of SCReAM

Start at: 2018-05-22 00:07:43
End at: 2018-05-22 00:08:13
Local clock offset: 1.831 ms
Remote clock offset: -35.708 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.373 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

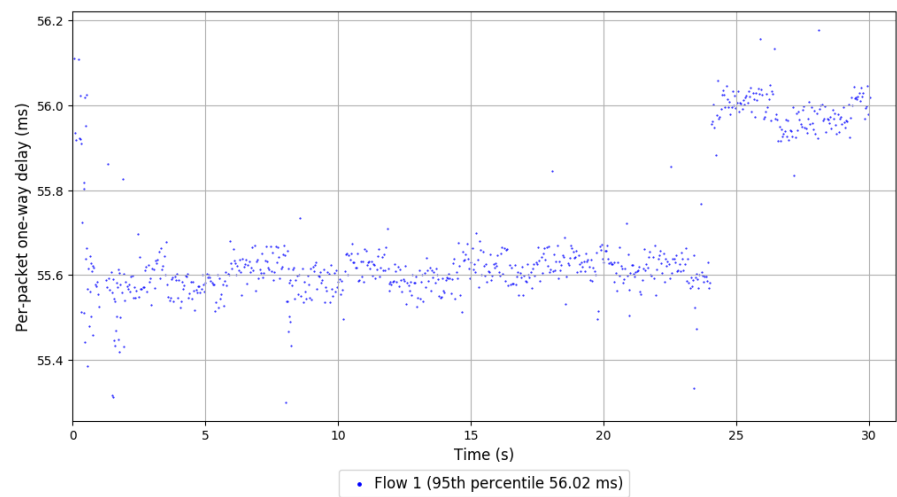
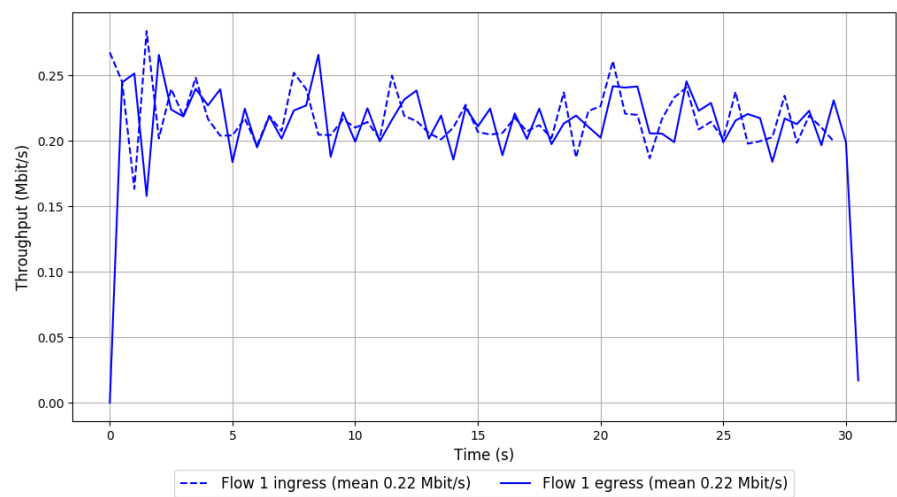


Run 7: Statistics of SCReAM

Start at: 2018-05-22 00:33:59
End at: 2018-05-22 00:34:29
Local clock offset: -0.583 ms
Remote clock offset: -36.08 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.019 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

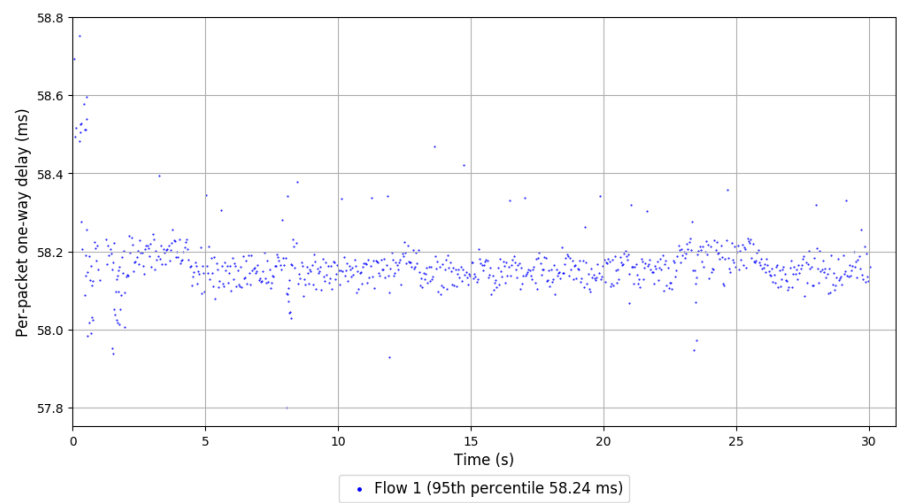
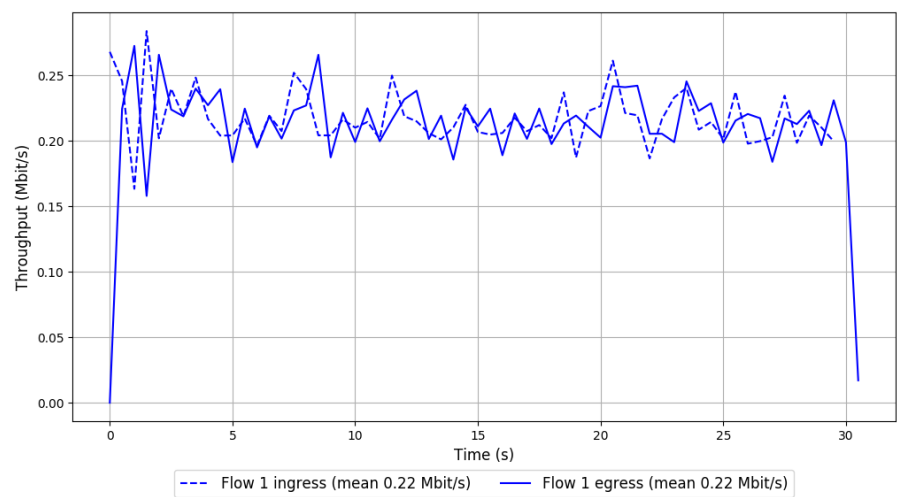


Run 8: Statistics of SCReAM

Start at: 2018-05-22 00:54:35
End at: 2018-05-22 00:55:05
Local clock offset: -0.481 ms
Remote clock offset: -34.824 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.240 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

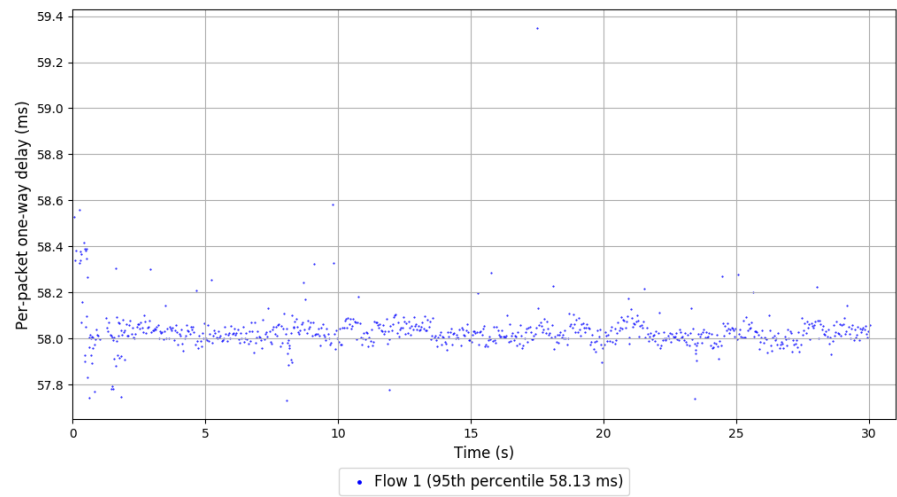
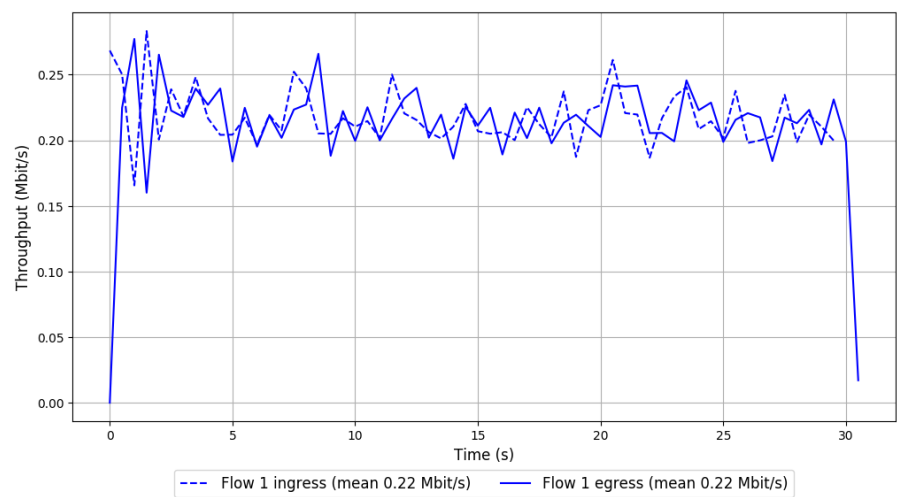


Run 9: Statistics of SCReAM

Start at: 2018-05-22 01:15:10
End at: 2018-05-22 01:15:40
Local clock offset: 0.784 ms
Remote clock offset: -34.42 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.131 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

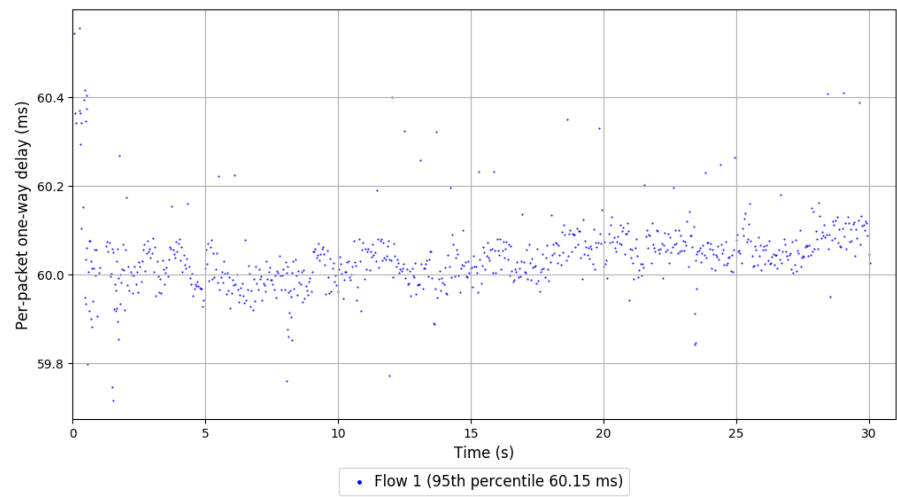
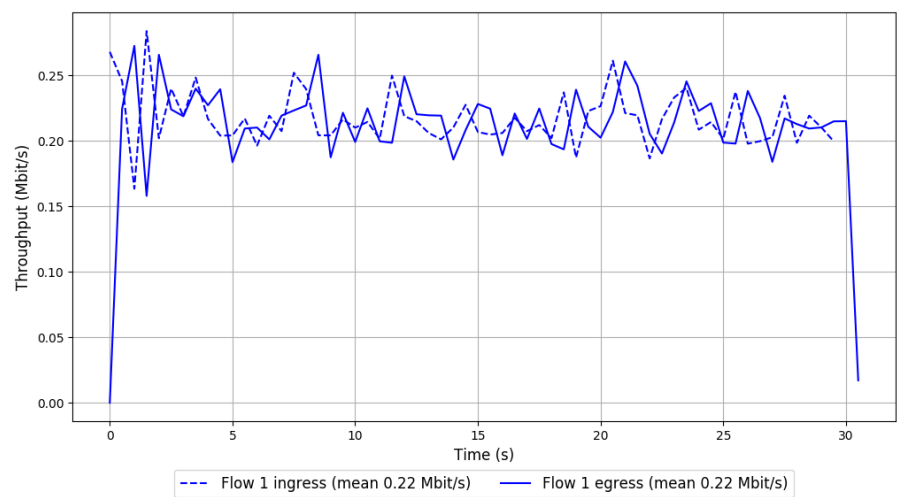


Run 10: Statistics of SCReAM

Start at: 2018-05-22 01:35:44
End at: 2018-05-22 01:36:14
Local clock offset: 3.002 ms
Remote clock offset: -29.744 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.154 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

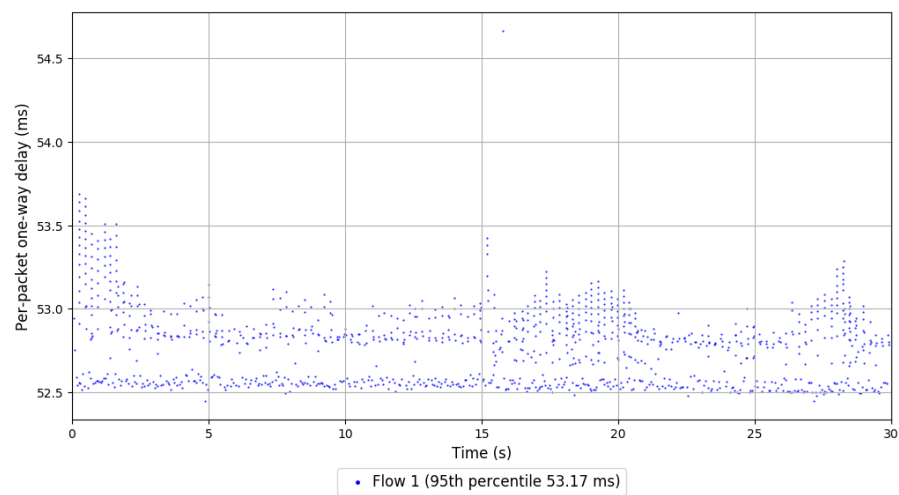
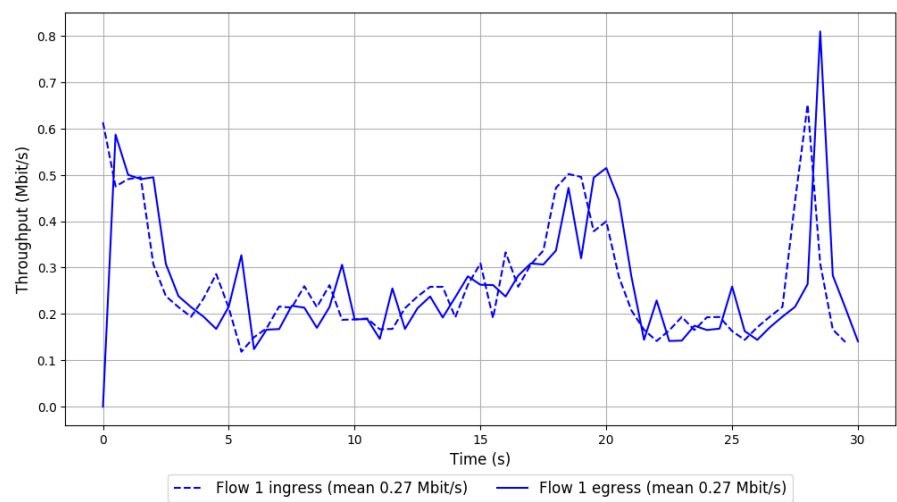


Run 1: Statistics of Sprout

Start at: 2018-05-21 21:41:13
End at: 2018-05-21 21:41:43
Local clock offset: -0.901 ms
Remote clock offset: -40.179 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 53.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 53.168 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

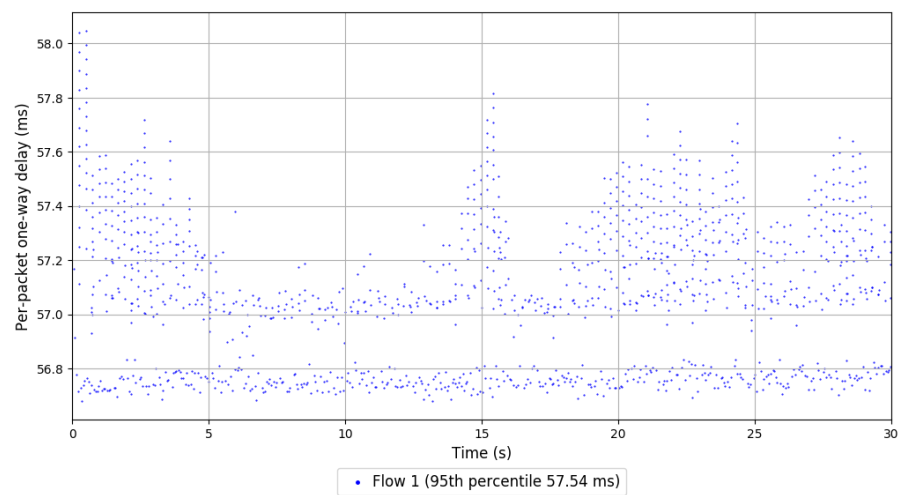
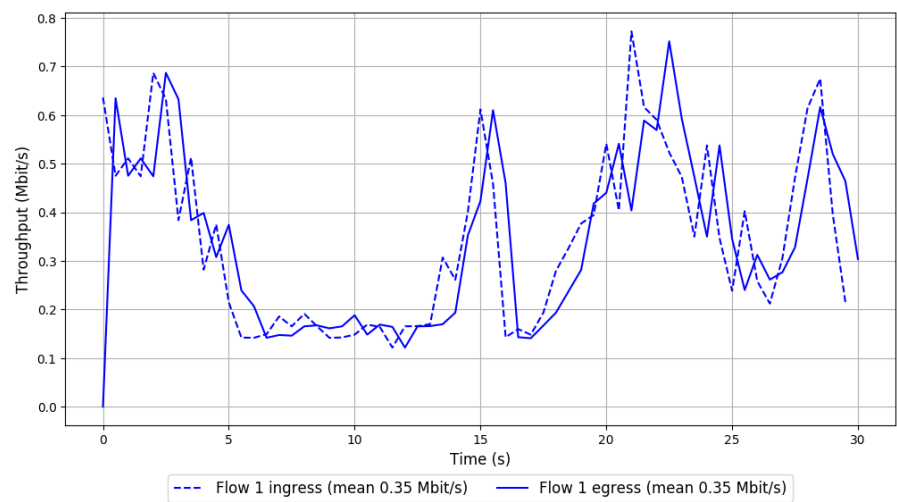


Run 2: Statistics of Sprout

Start at: 2018-05-21 22:07:22
End at: 2018-05-21 22:07:52
Local clock offset: 0.172 ms
Remote clock offset: -34.983 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 57.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 57.538 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

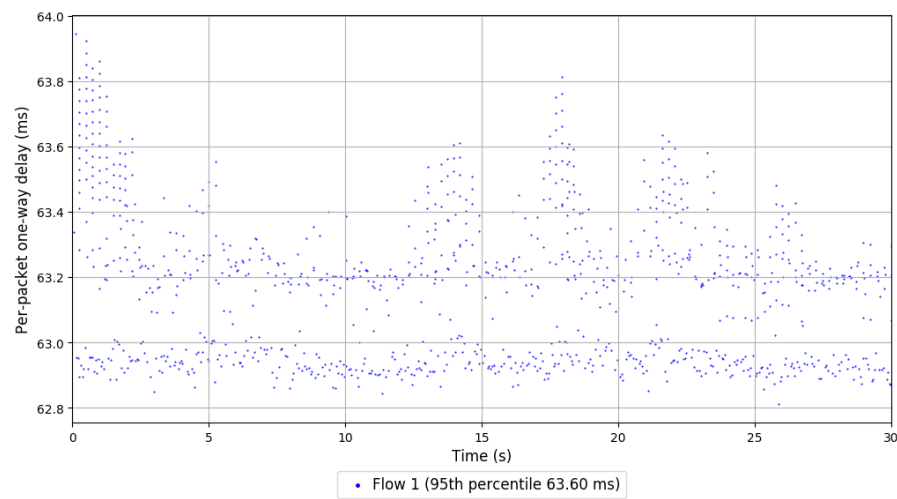
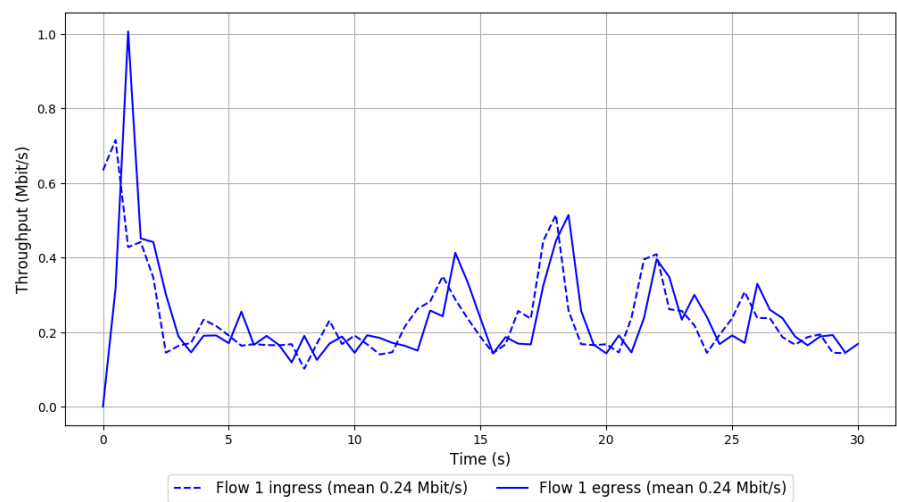


Run 3: Statistics of Sprout

Start at: 2018-05-21 22:28:01
End at: 2018-05-21 22:28:31
Local clock offset: -1.046 ms
Remote clock offset: -32.175 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 63.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 63.597 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

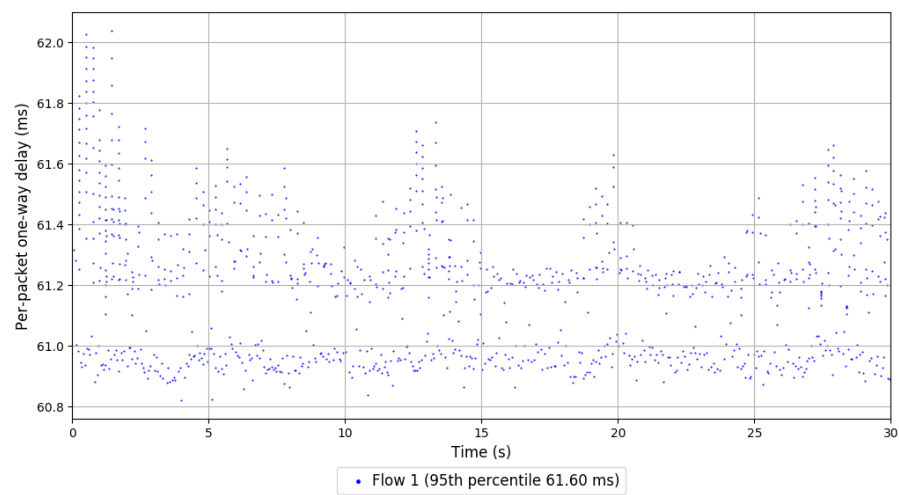
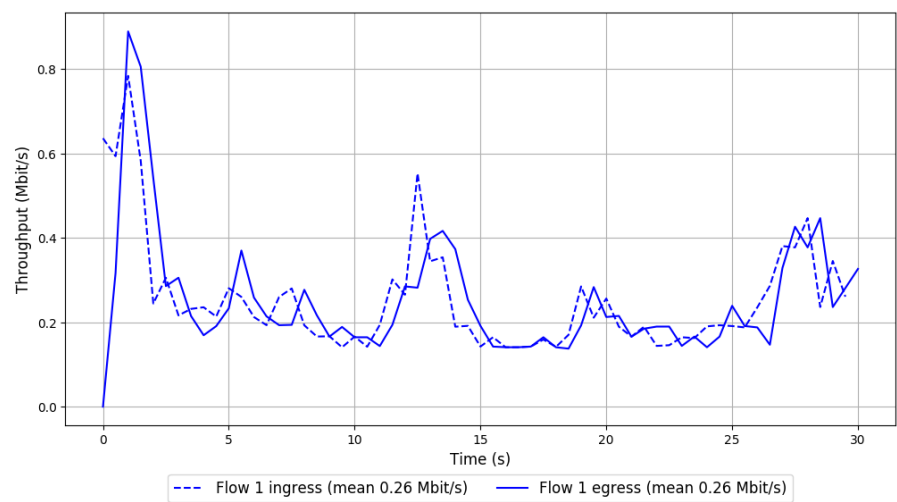


Run 4: Statistics of Sprout

Start at: 2018-05-21 22:54:13
End at: 2018-05-21 22:54:43
Local clock offset: -0.878 ms
Remote clock offset: -30.387 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 61.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 61.600 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

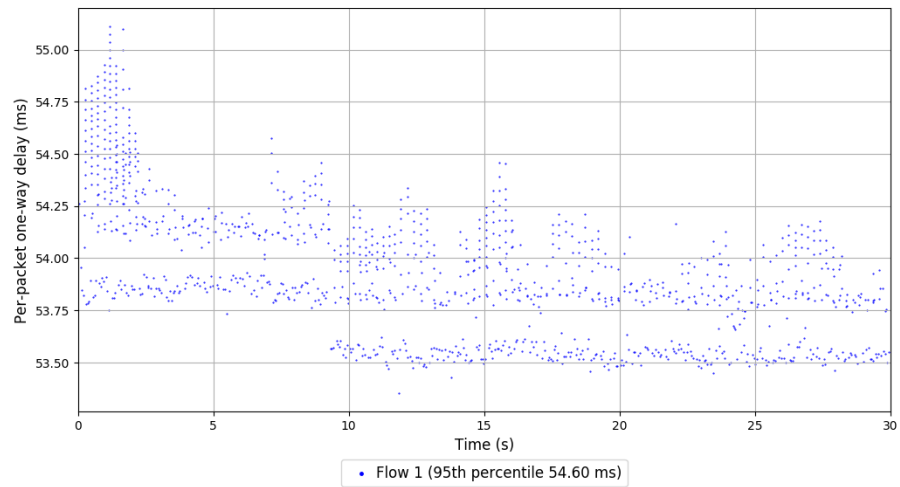
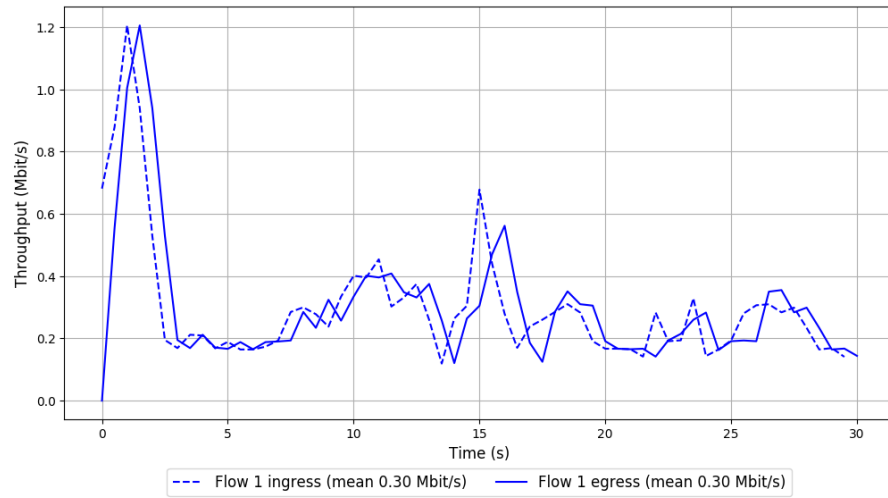


Run 5: Statistics of Sprout

Start at: 2018-05-21 23:20:35
End at: 2018-05-21 23:21:05
Local clock offset: -1.579 ms
Remote clock offset: -37.853 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 54.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 54.600 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

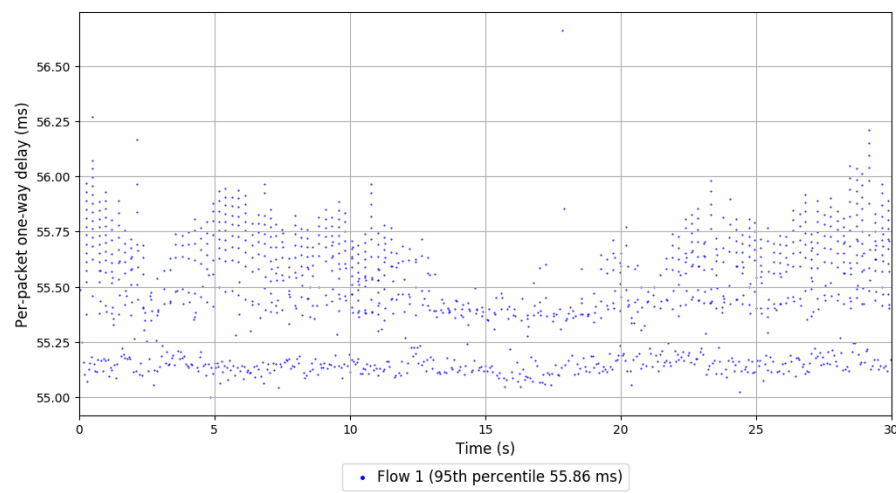
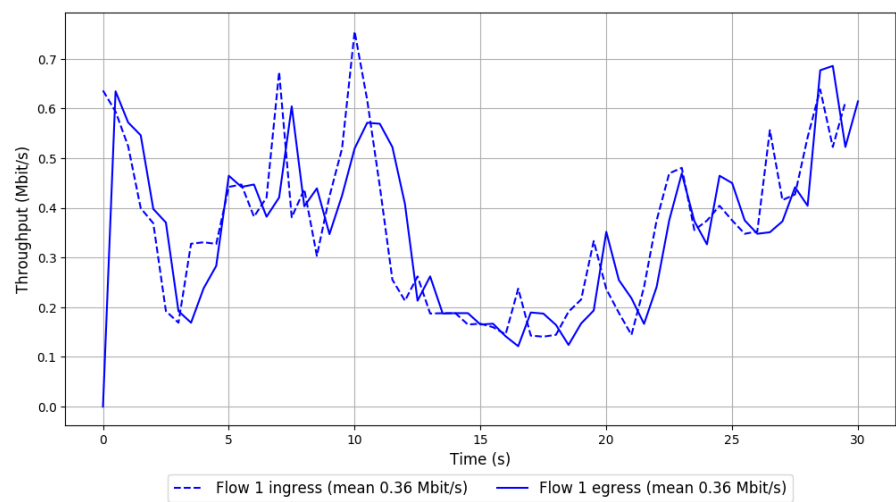


Run 6: Statistics of Sprout

Start at: 2018-05-21 23:41:06
End at: 2018-05-21 23:41:36
Local clock offset: 2.418 ms
Remote clock offset: -33.349 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 55.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 55.856 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

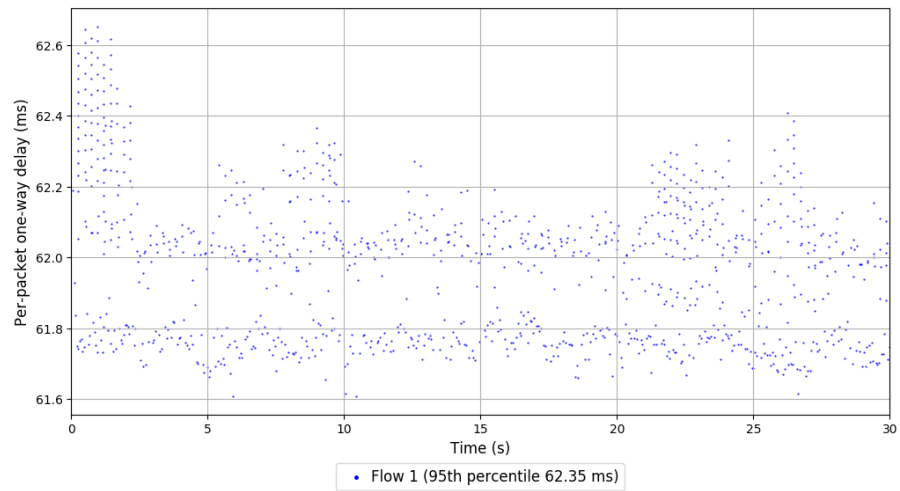
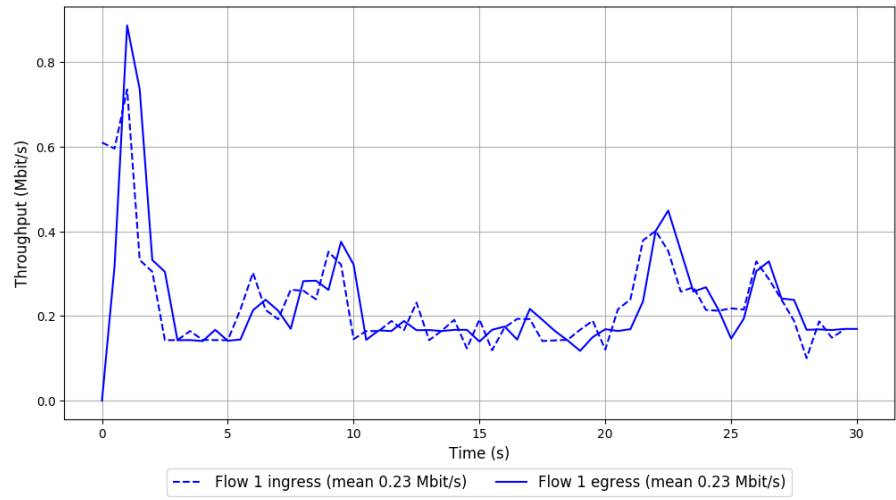


Run 7: Statistics of Sprout

Start at: 2018-05-22 00:11:27
End at: 2018-05-22 00:11:57
Local clock offset: 0.885 ms
Remote clock offset: -30.106 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 62.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 62.346 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

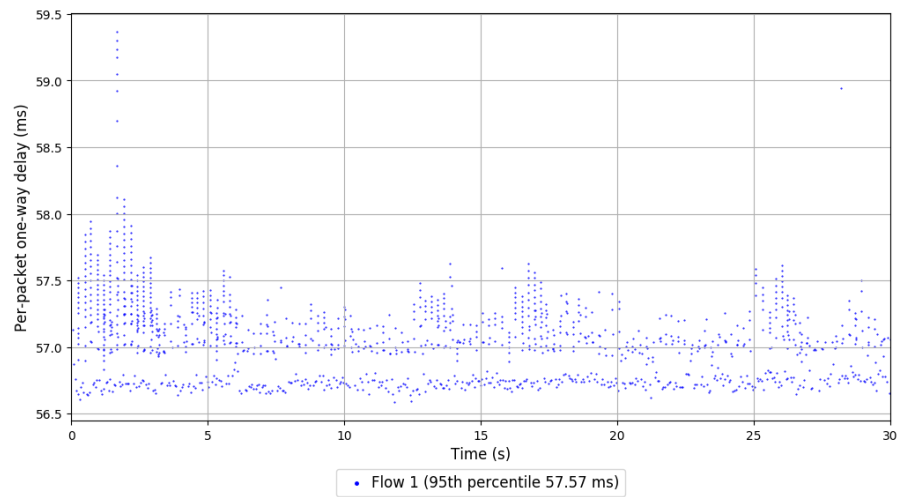
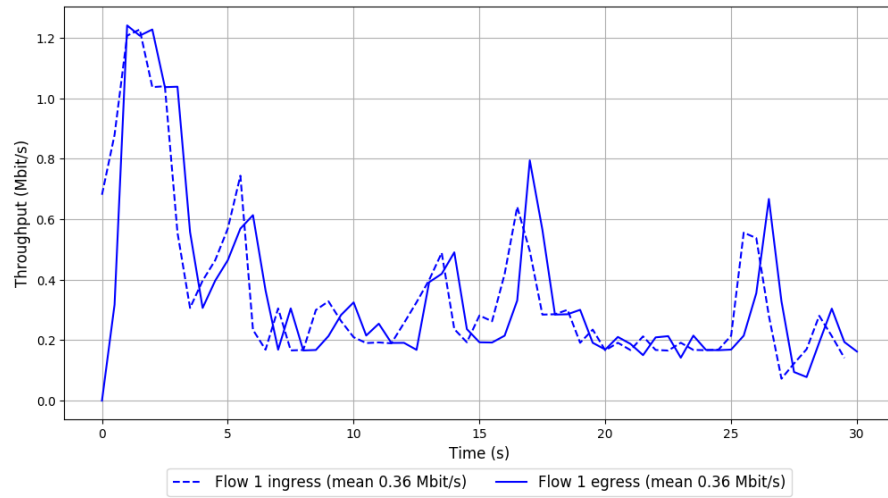


Run 8: Statistics of Sprout

Start at: 2018-05-22 00:37:40
End at: 2018-05-22 00:38:10
Local clock offset: 2.107 ms
Remote clock offset: -34.882 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 57.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 57.573 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

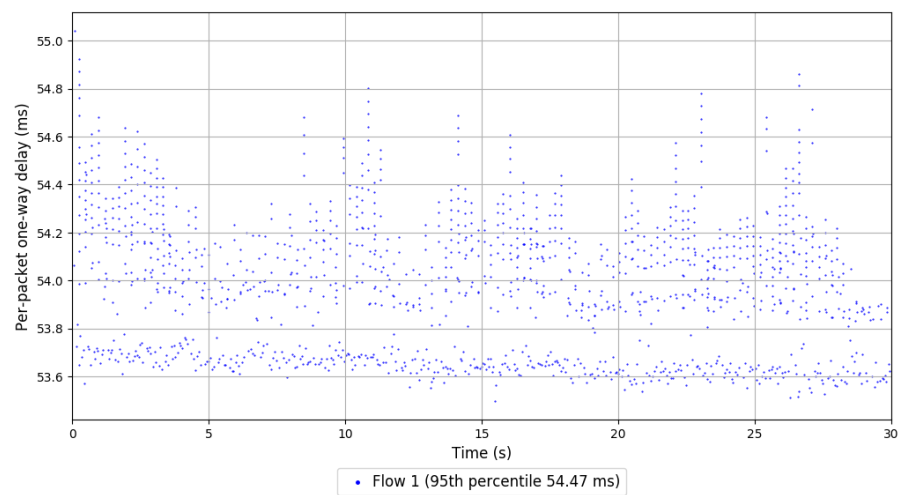
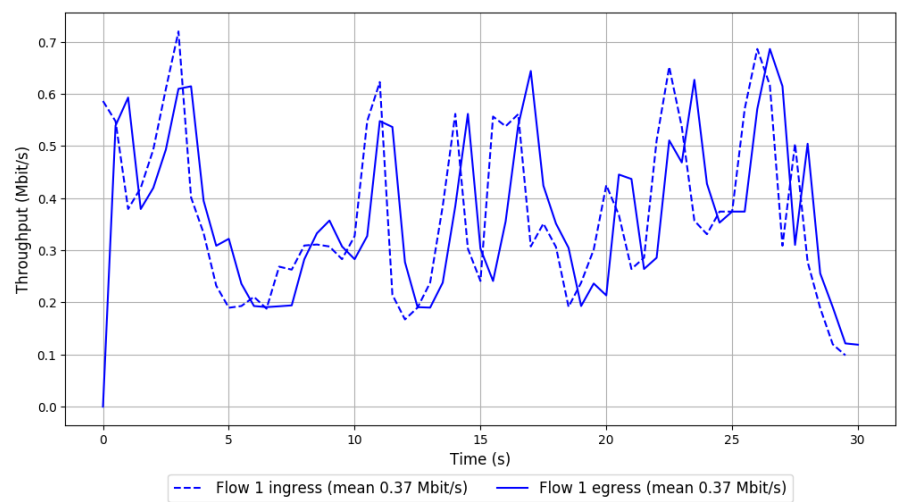


Run 9: Statistics of Sprout

Start at: 2018-05-22 00:58:14
End at: 2018-05-22 00:58:44
Local clock offset: 1.884 ms
Remote clock offset: -36.511 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 54.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 54.467 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

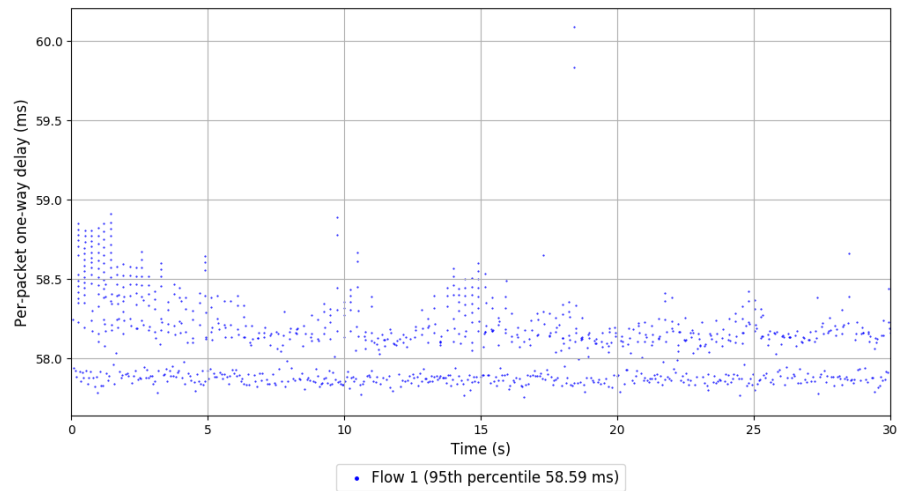
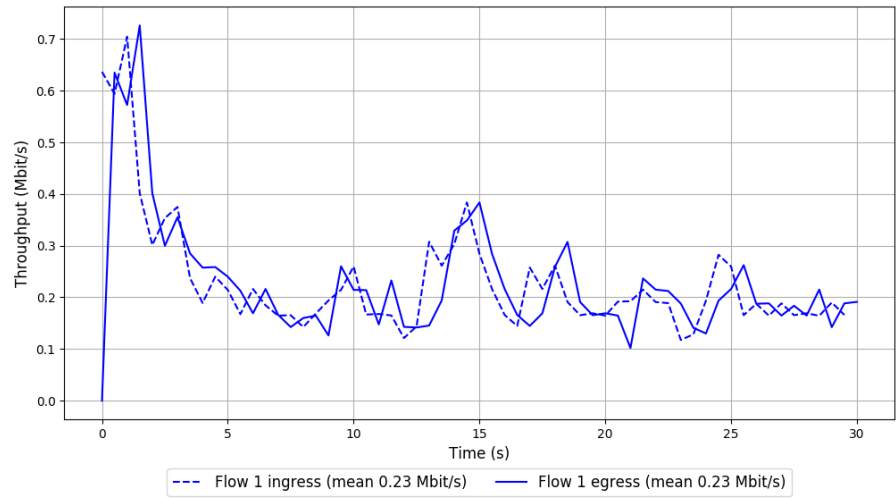


Run 10: Statistics of Sprout

Start at: 2018-05-22 01:18:49
End at: 2018-05-22 01:19:19
Local clock offset: 0.432 ms
Remote clock offset: -31.761 ms

Below is generated by plot.py at 2018-05-22 02:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 58.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 58.595 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

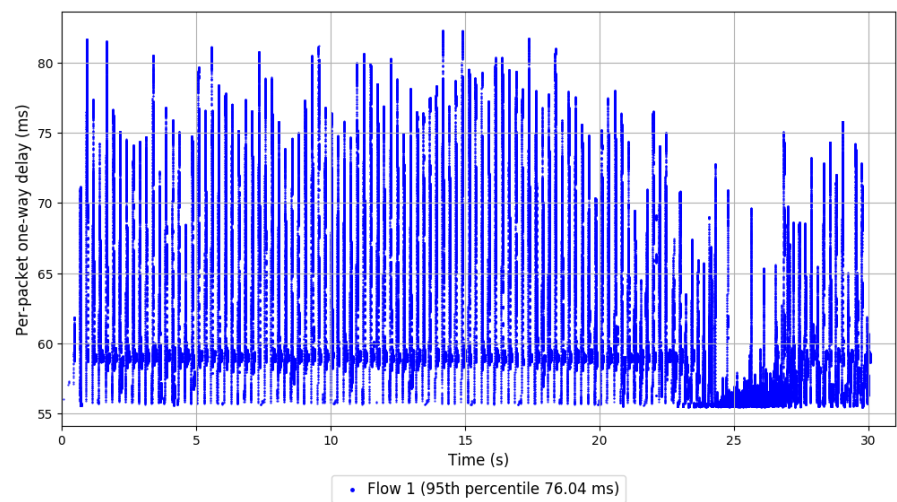
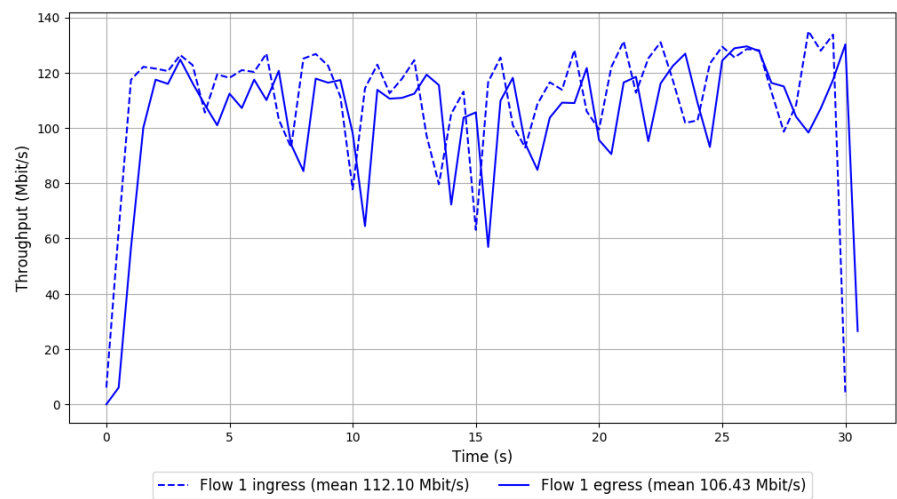


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-21 21:45:07
End at: 2018-05-21 21:45:37
Local clock offset: -0.715 ms
Remote clock offset: -38.774 ms

Below is generated by plot.py at 2018-05-22 02:13:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.43 Mbit/s
95th percentile per-packet one-way delay: 76.037 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 106.43 Mbit/s
95th percentile per-packet one-way delay: 76.037 ms
Loss rate: 5.06%

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

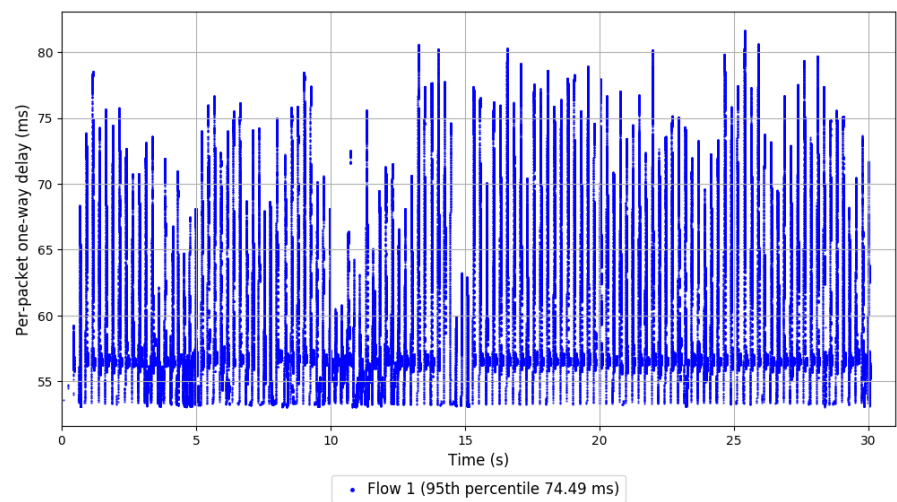
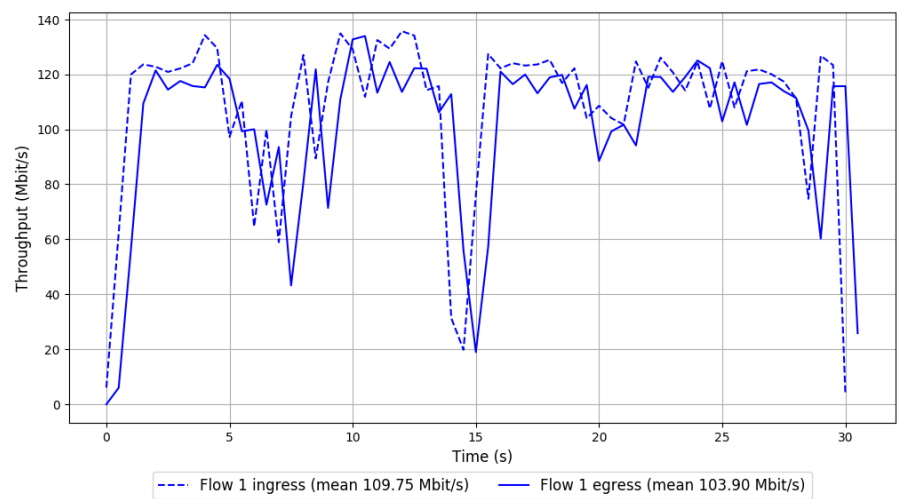


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-21 22:11:17
End at: 2018-05-21 22:11:47
Local clock offset: -0.799 ms
Remote clock offset: -40.135 ms

Below is generated by plot.py at 2018-05-22 02:13:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.90 Mbit/s
95th percentile per-packet one-way delay: 74.493 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 103.90 Mbit/s
95th percentile per-packet one-way delay: 74.493 ms
Loss rate: 5.33%

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

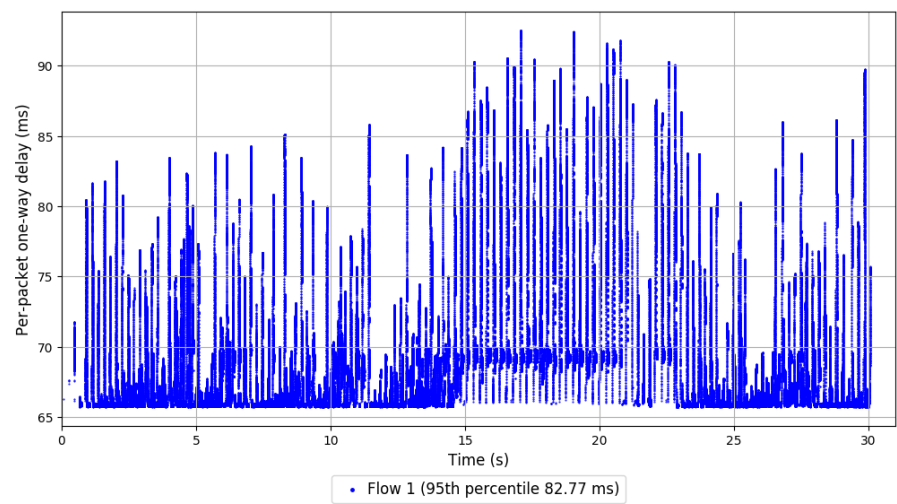
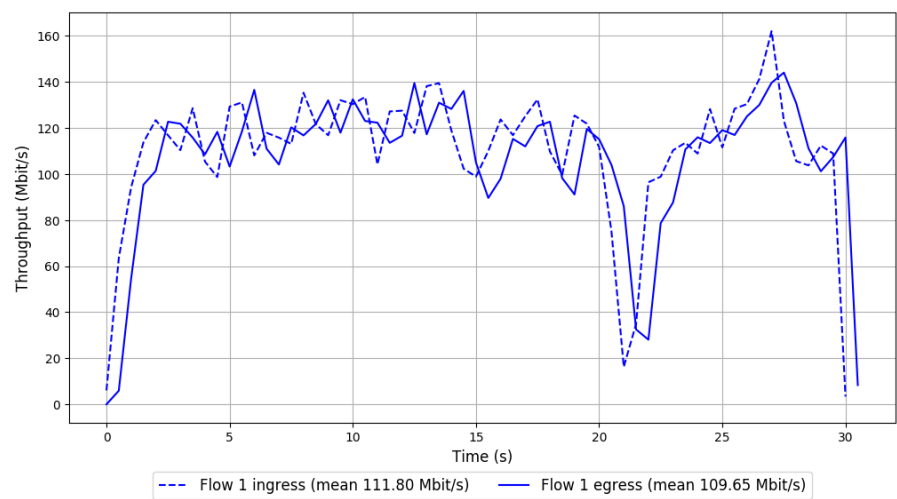


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-21 22:31:59
End at: 2018-05-21 22:32:29
Local clock offset: -0.065 ms
Remote clock offset: -28.268 ms

Below is generated by plot.py at 2018-05-22 02:13:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.65 Mbit/s
95th percentile per-packet one-way delay: 82.770 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 109.65 Mbit/s
95th percentile per-packet one-way delay: 82.770 ms
Loss rate: 1.93%

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

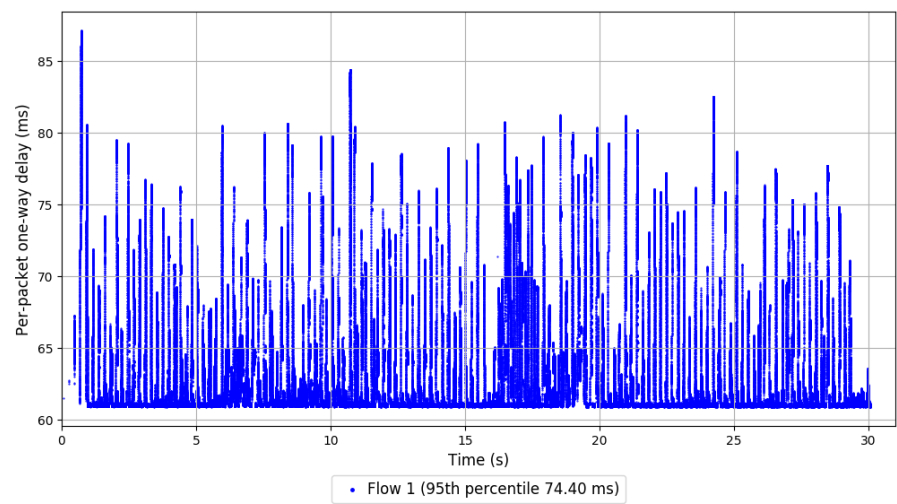
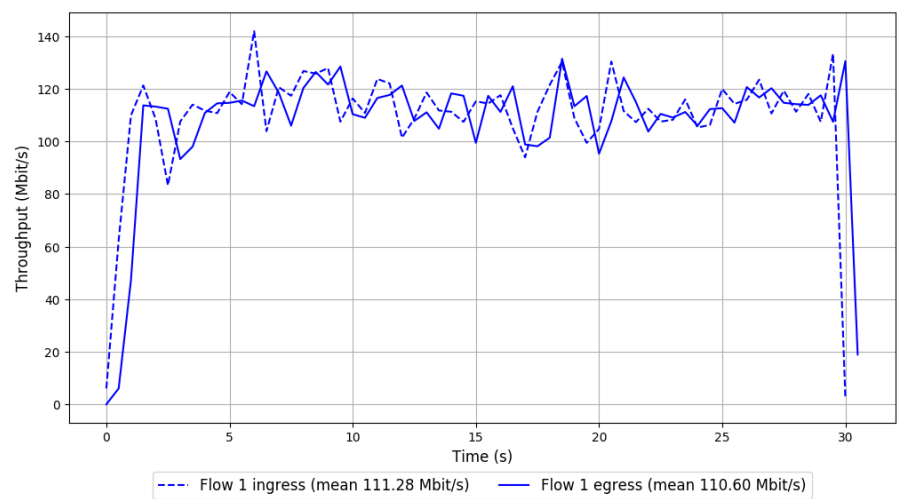


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-21 22:58:10
End at: 2018-05-21 22:58:41
Local clock offset: -1.77 ms
Remote clock offset: -33.554 ms

Below is generated by plot.py at 2018-05-22 02:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.60 Mbit/s
95th percentile per-packet one-way delay: 74.398 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 110.60 Mbit/s
95th percentile per-packet one-way delay: 74.398 ms
Loss rate: 0.62%

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

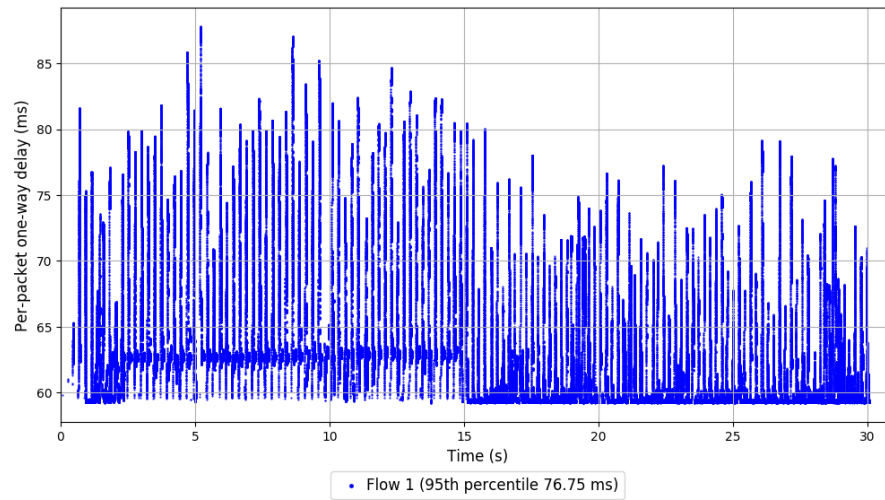
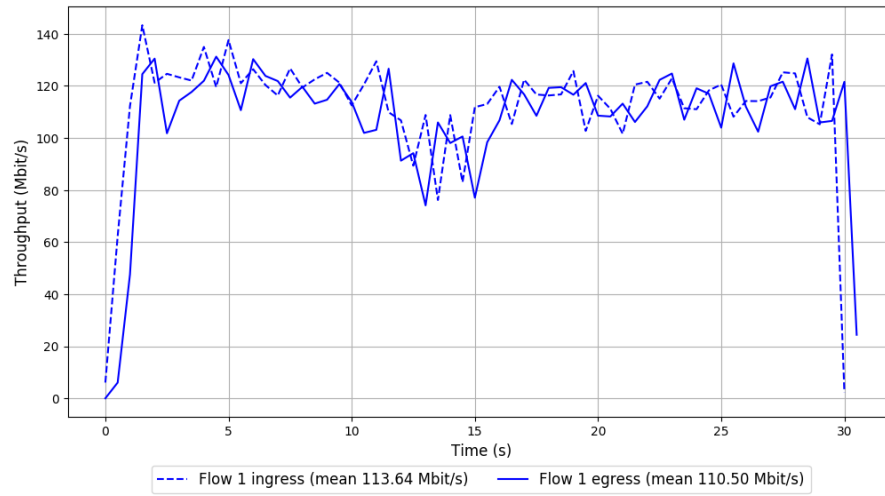


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-21 23:24:27
End at: 2018-05-21 23:24:57
Local clock offset: -2.645 ms
Remote clock offset: -33.148 ms

Below is generated by plot.py at 2018-05-22 02:13:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.50 Mbit/s
95th percentile per-packet one-way delay: 76.745 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 110.50 Mbit/s
95th percentile per-packet one-way delay: 76.745 ms
Loss rate: 2.77%

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

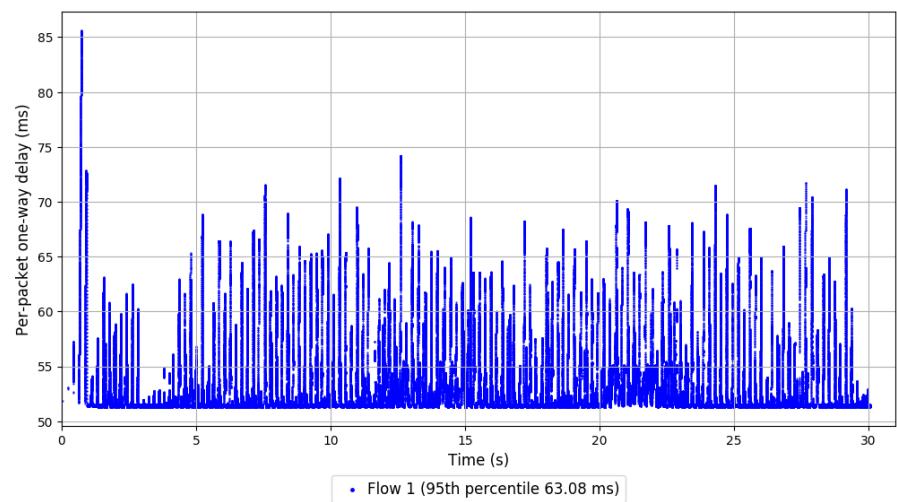
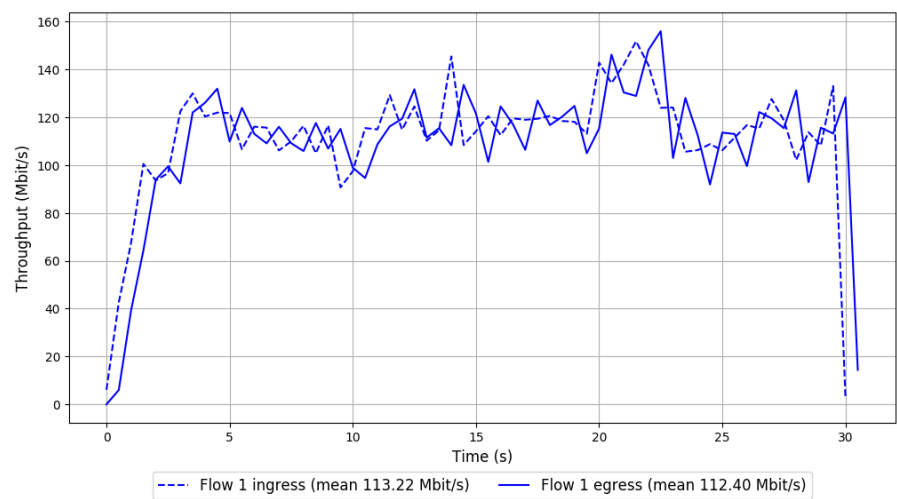


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-21 23:45:01
End at: 2018-05-21 23:45:31
Local clock offset: 3.01 ms
Remote clock offset: -36.708 ms

Below is generated by plot.py at 2018-05-22 02:13:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.40 Mbit/s
95th percentile per-packet one-way delay: 63.079 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 112.40 Mbit/s
95th percentile per-packet one-way delay: 63.079 ms
Loss rate: 0.73%

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

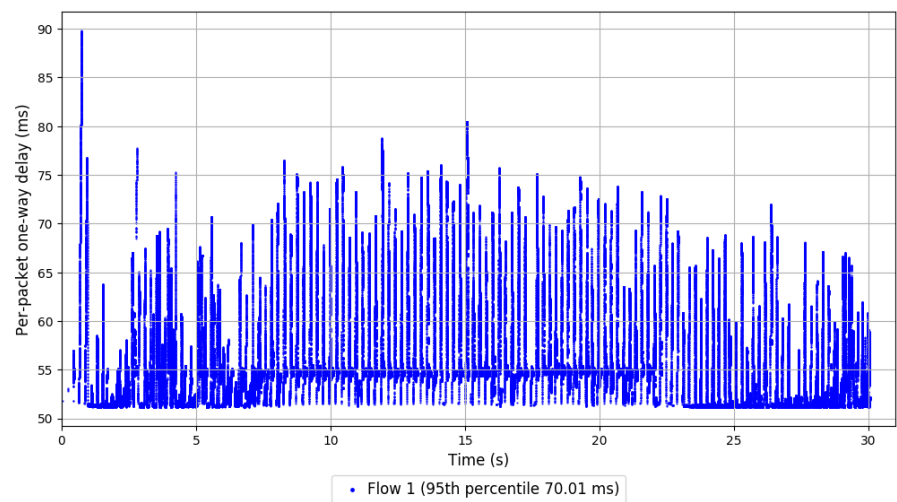
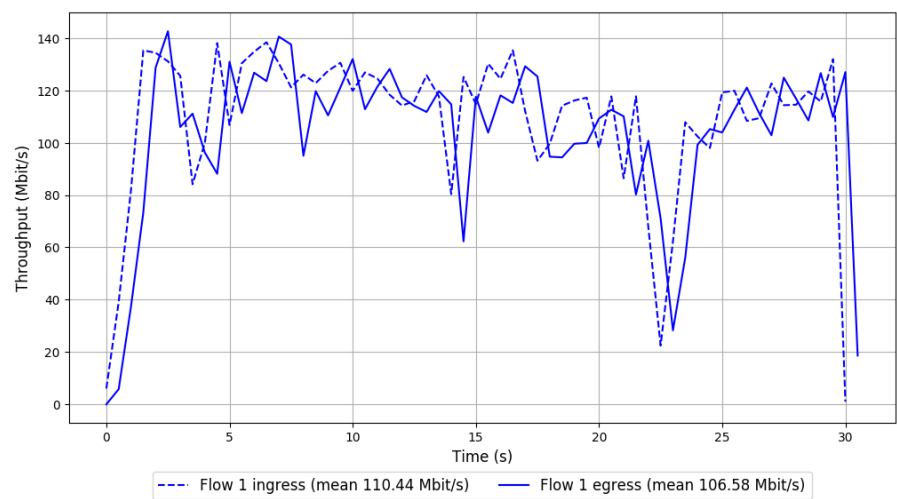


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 00:15:20
End at: 2018-05-22 00:15:50
Local clock offset: 2.201 ms
Remote clock offset: -36.678 ms

Below is generated by plot.py at 2018-05-22 02:13:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.58 Mbit/s
95th percentile per-packet one-way delay: 70.013 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 106.58 Mbit/s
95th percentile per-packet one-way delay: 70.013 ms
Loss rate: 3.50%

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

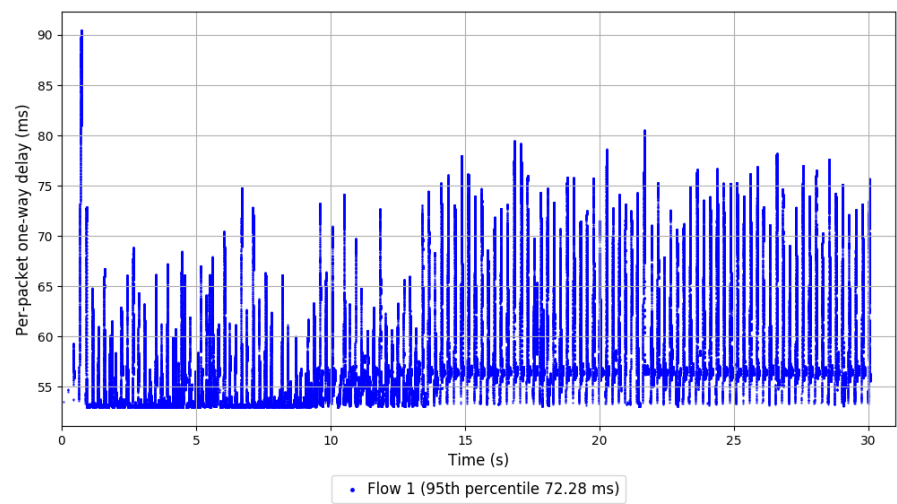
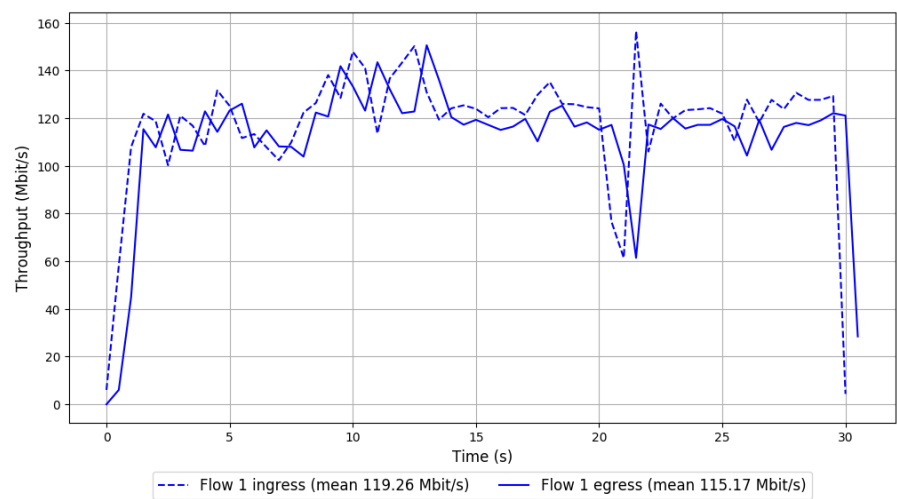


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 00:41:35
End at: 2018-05-22 00:42:05
Local clock offset: 1.253 ms
Remote clock offset: -37.469 ms

Below is generated by plot.py at 2018-05-22 02:14:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 72.282 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 72.282 ms
Loss rate: 3.42%

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

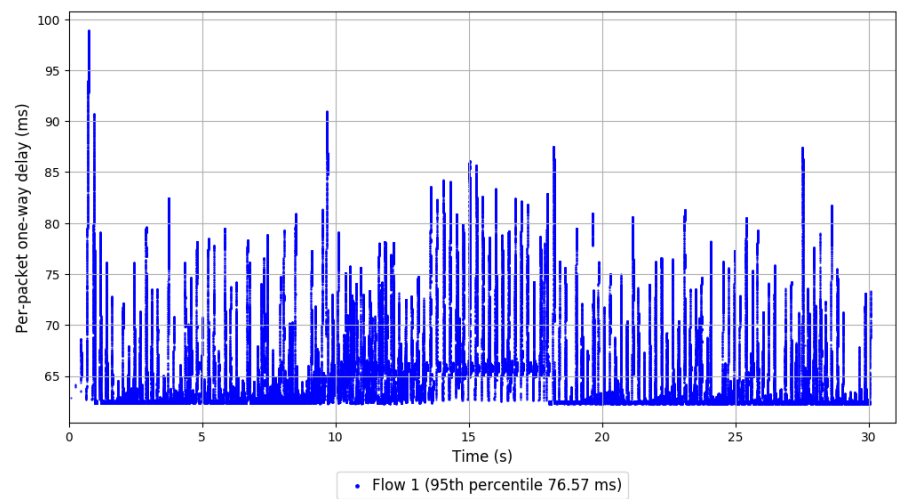
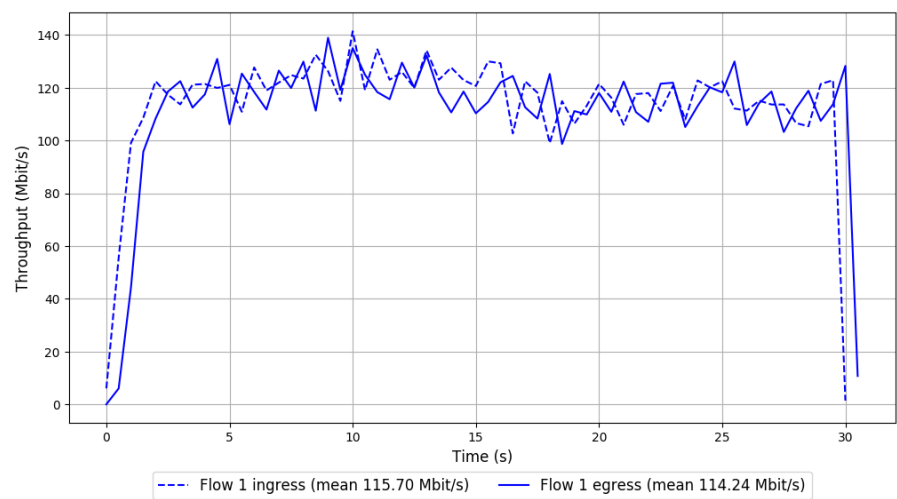


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 01:02:09
End at: 2018-05-22 01:02:39
Local clock offset: -0.819 ms
Remote clock offset: -32.069 ms

Below is generated by plot.py at 2018-05-22 02:15:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.24 Mbit/s
95th percentile per-packet one-way delay: 76.570 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 114.24 Mbit/s
95th percentile per-packet one-way delay: 76.570 ms
Loss rate: 1.27%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 01:22:42

End at: 2018-05-22 01:23:12

Local clock offset: -3.049 ms

Remote clock offset: -34.087 ms

Below is generated by plot.py at 2018-05-22 02:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.03 Mbit/s

95th percentile per-packet one-way delay: 71.566 ms

Loss rate: 1.42%

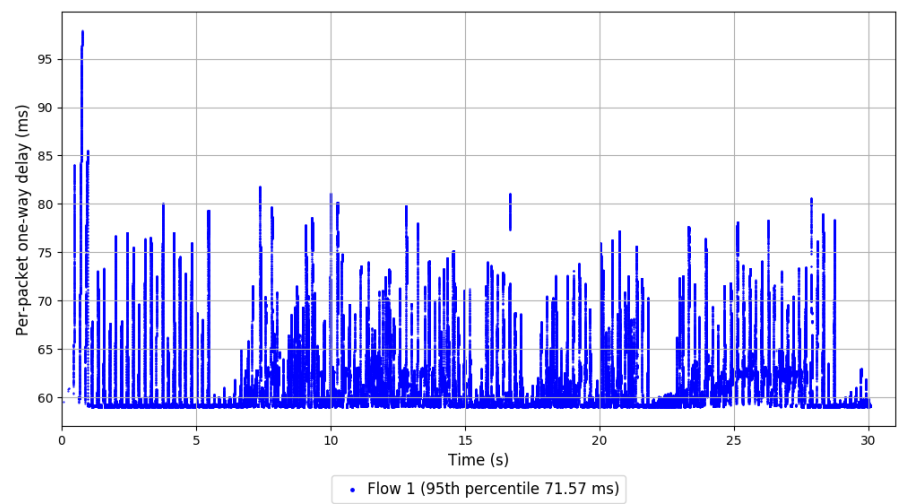
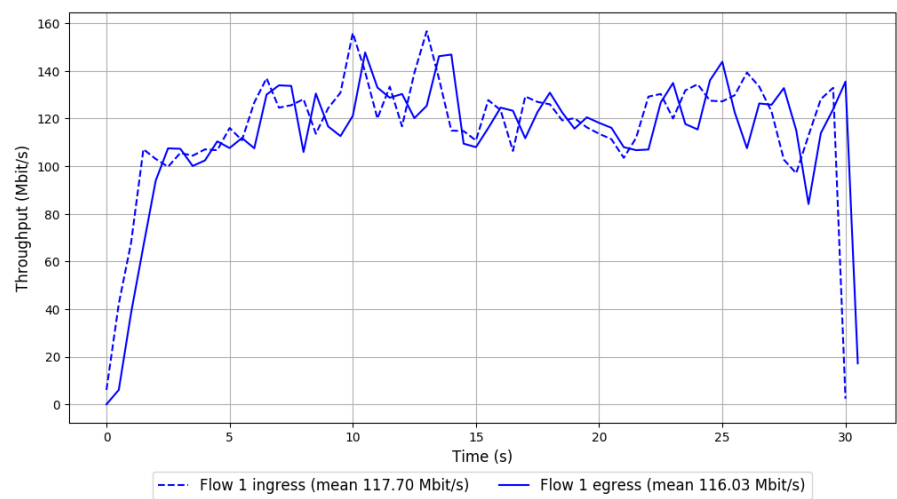
-- Flow 1:

Average throughput: 116.03 Mbit/s

95th percentile per-packet one-way delay: 71.566 ms

Loss rate: 1.42%

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

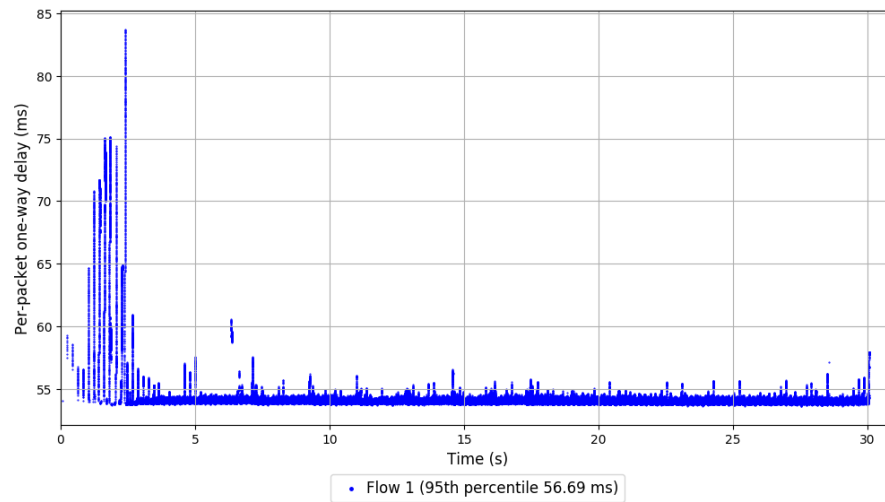
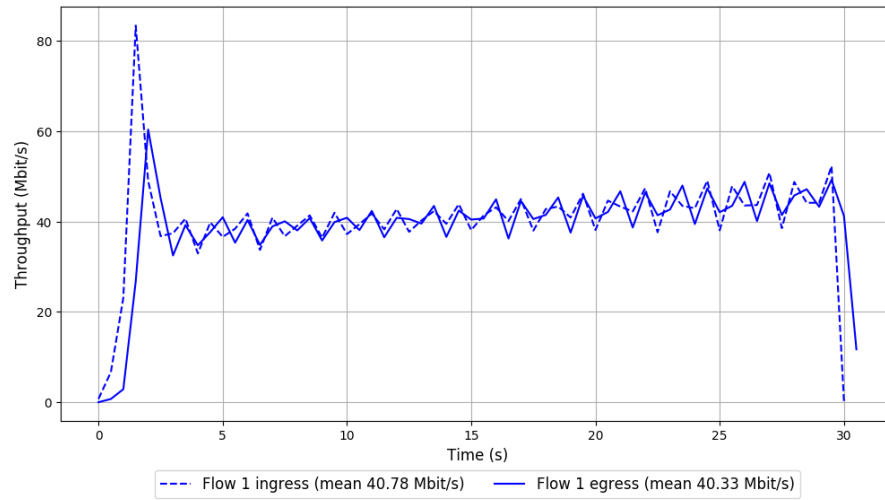


Run 1: Statistics of TCP Vegas

Start at: 2018-05-21 21:47:55
End at: 2018-05-21 21:48:25
Local clock offset: -2.788 ms
Remote clock offset: -39.846 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 56.694 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 56.694 ms
Loss rate: 1.10%

Run 1: Report of TCP Vegas — Data Link

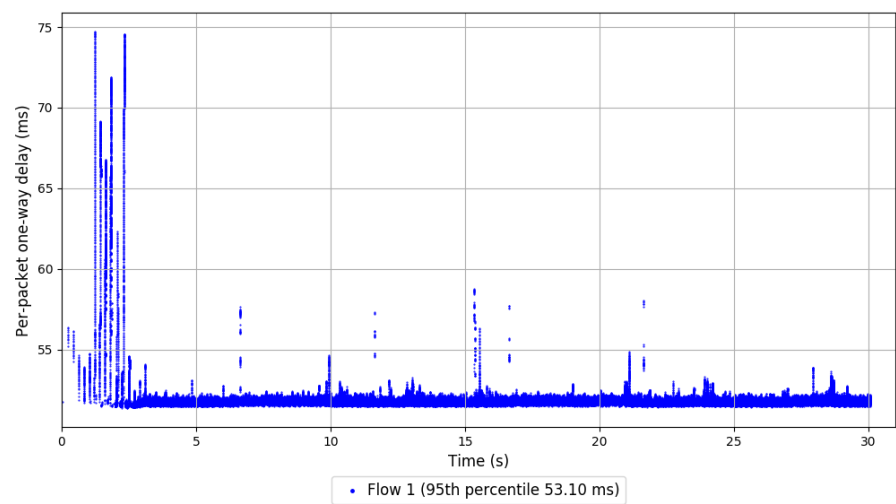
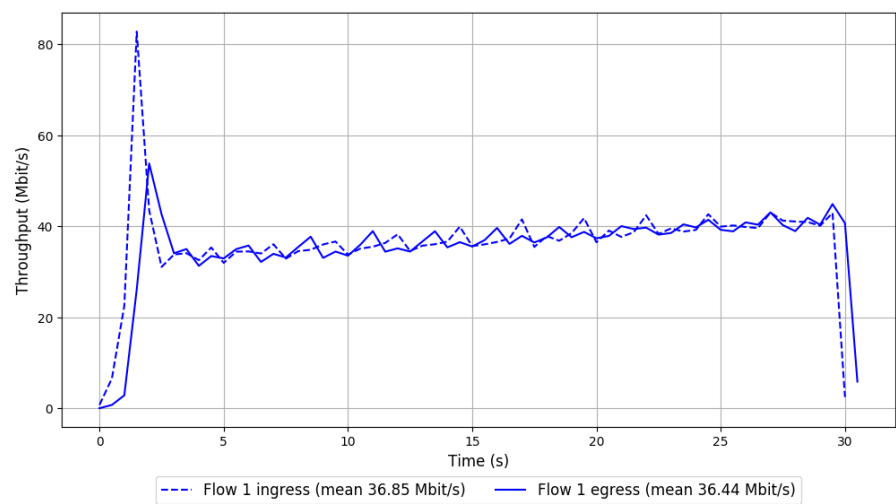


Run 2: Statistics of TCP Vegas

Start at: 2018-05-21 22:14:05
End at: 2018-05-21 22:14:35
Local clock offset: -0.495 ms
Remote clock offset: -41.015 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 53.100 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 53.100 ms
Loss rate: 1.11%

Run 2: Report of TCP Vegas — Data Link

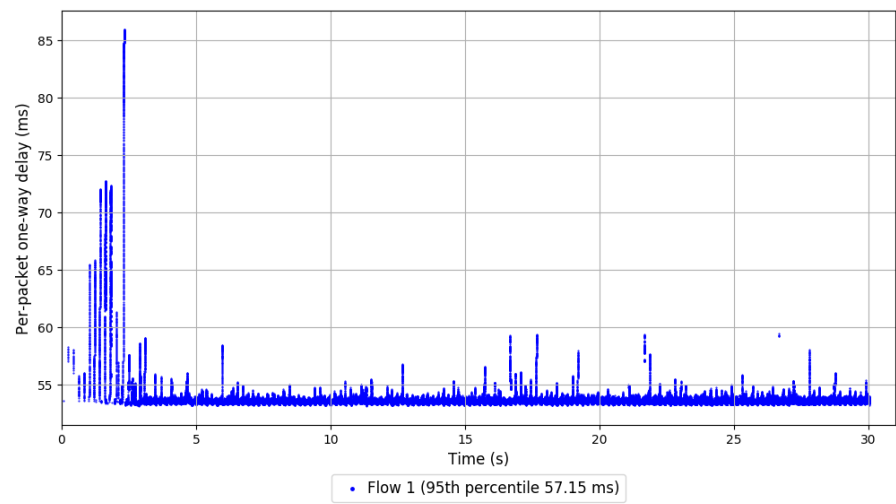
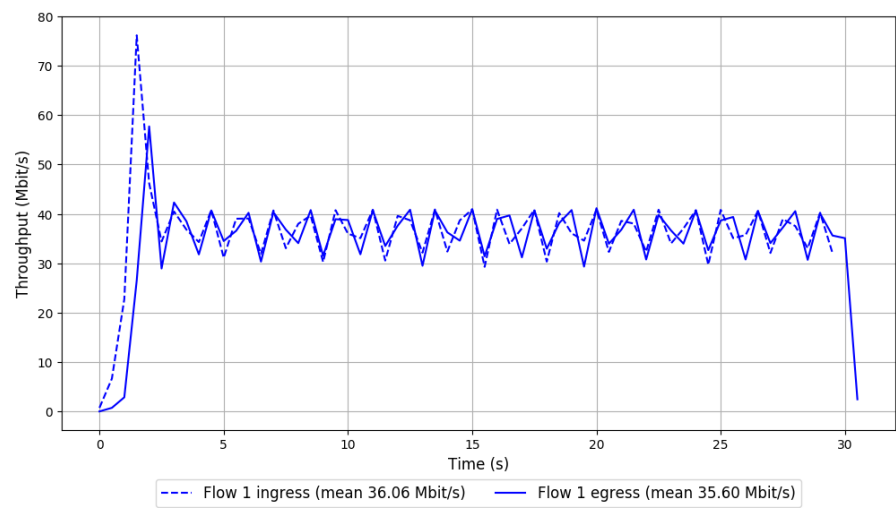


Run 3: Statistics of TCP Vegas

Start at: 2018-05-21 22:40:22
End at: 2018-05-21 22:40:52
Local clock offset: 2.319 ms
Remote clock offset: -35.508 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 57.152 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 57.152 ms
Loss rate: 1.26%

Run 3: Report of TCP Vegas — Data Link

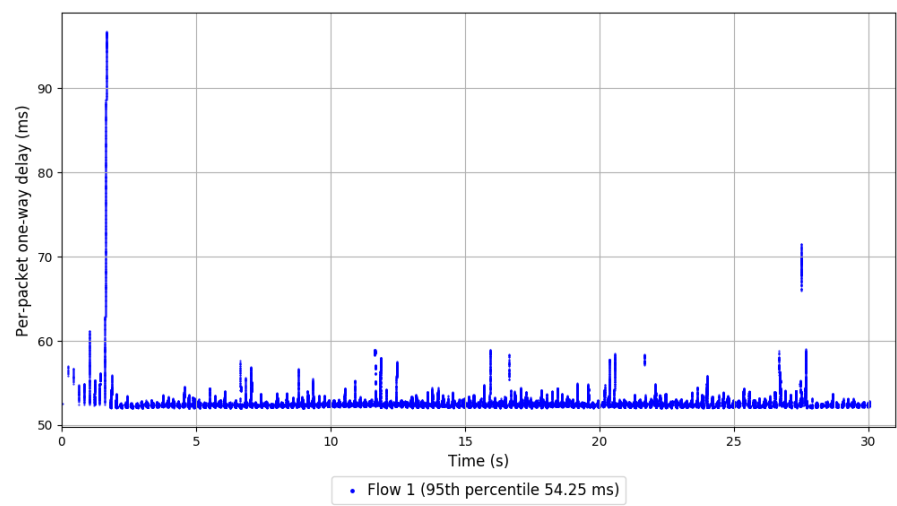
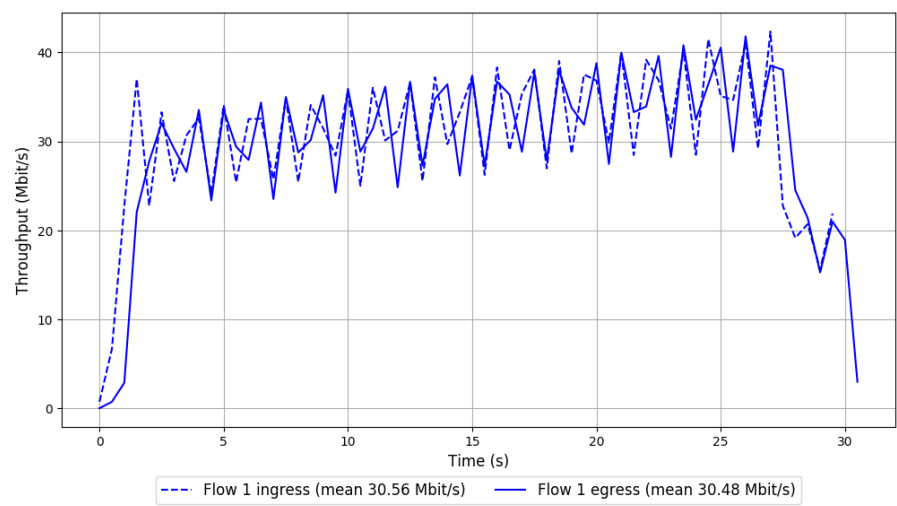


Run 4: Statistics of TCP Vegas

Start at: 2018-05-21 23:00:58
End at: 2018-05-21 23:01:28
Local clock offset: 1.757 ms
Remote clock offset: -36.369 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 54.248 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 54.248 ms
Loss rate: 0.26%

Run 4: Report of TCP Vegas — Data Link

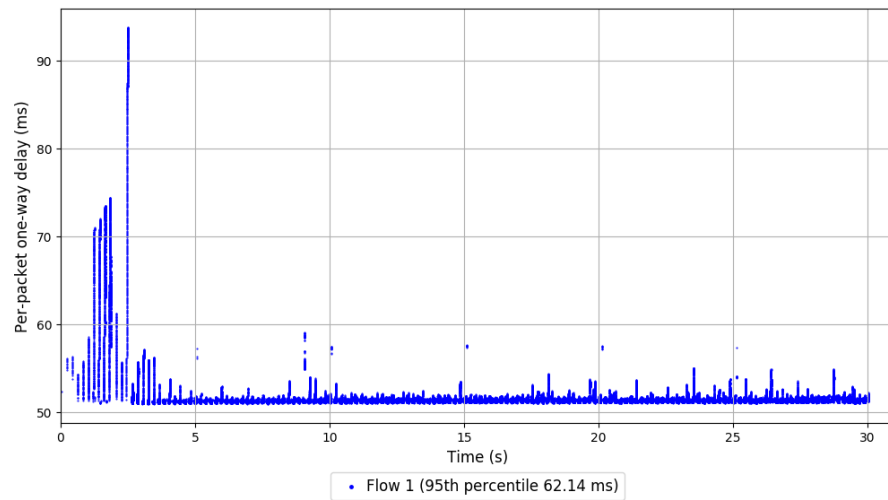
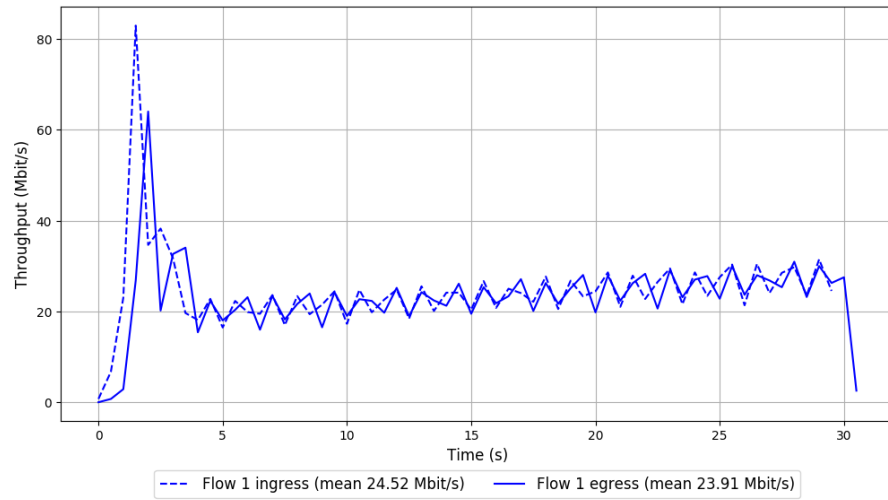


Run 5: Statistics of TCP Vegas

Start at: 2018-05-21 23:27:15
End at: 2018-05-21 23:27:45
Local clock offset: 1.727 ms
Remote clock offset: -37.014 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 2.49%

Run 5: Report of TCP Vegas — Data Link

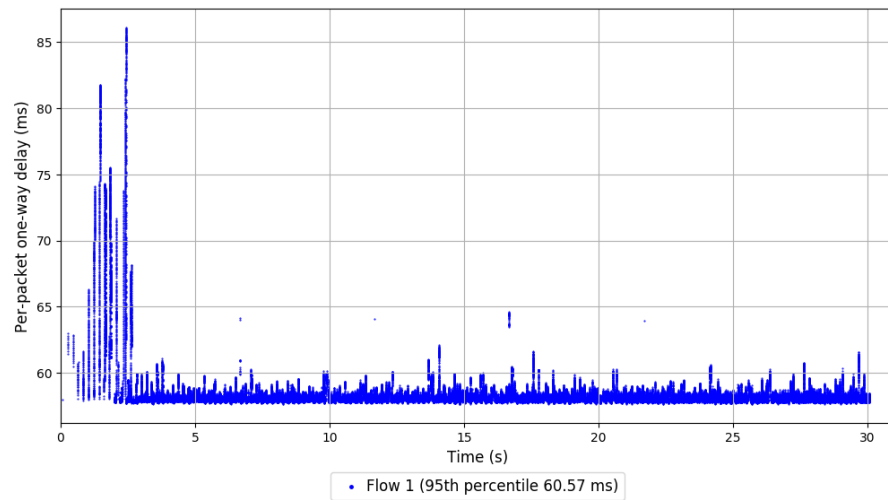
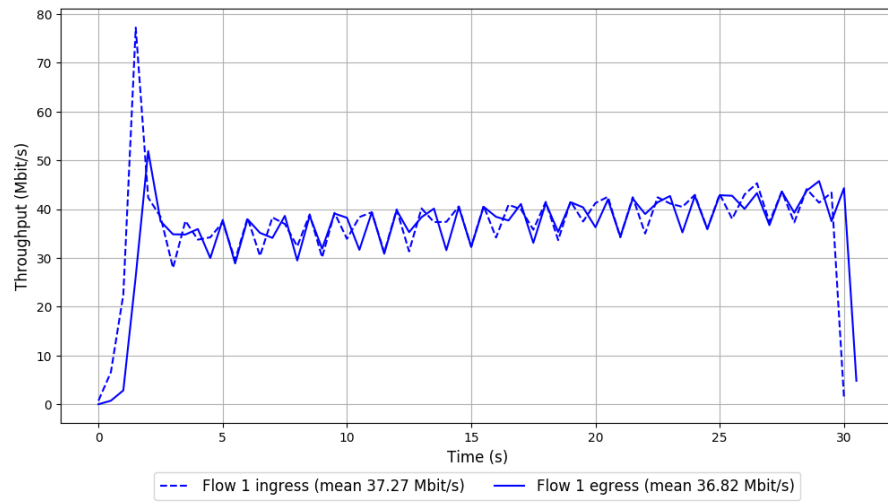


Run 6: Statistics of TCP Vegas

Start at: 2018-05-21 23:57:23
End at: 2018-05-21 23:57:53
Local clock offset: -0.233 ms
Remote clock offset: -36.176 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 60.571 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 60.571 ms
Loss rate: 1.20%

Run 6: Report of TCP Vegas — Data Link

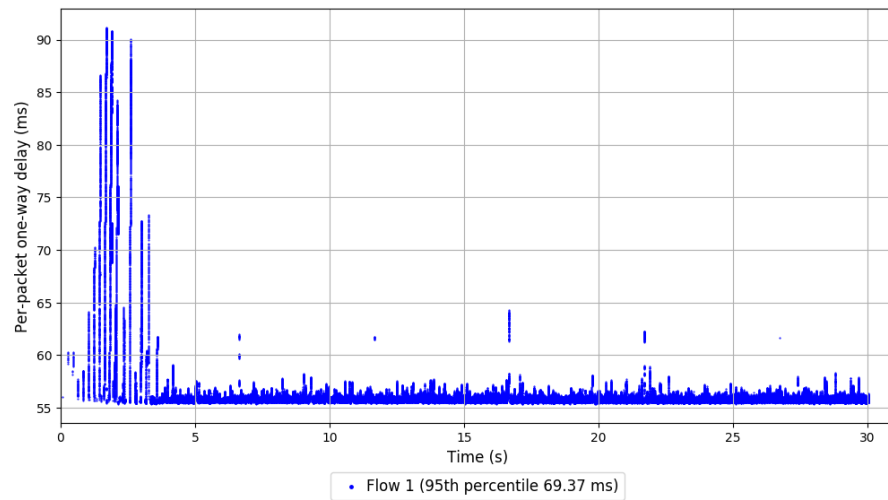
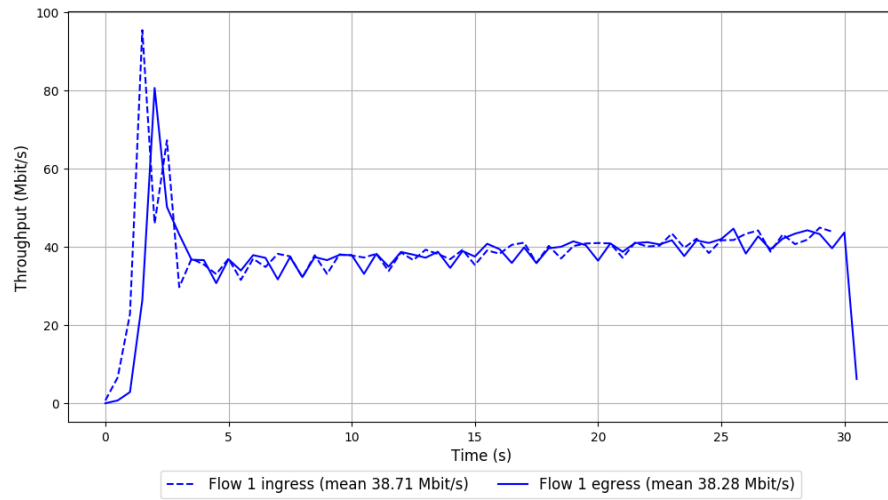


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 00:18:08
End at: 2018-05-22 00:18:38
Local clock offset: 2.076 ms
Remote clock offset: -35.076 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 69.373 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 69.373 ms
Loss rate: 1.10%

Run 7: Report of TCP Vegas — Data Link

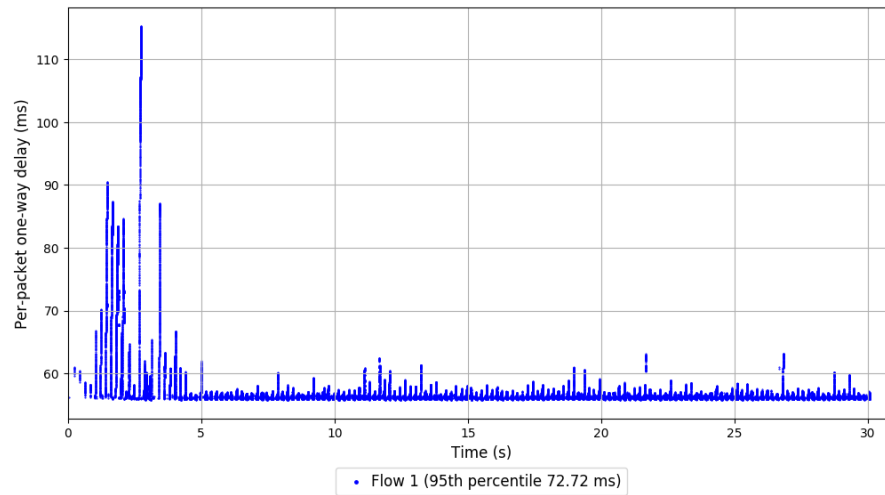
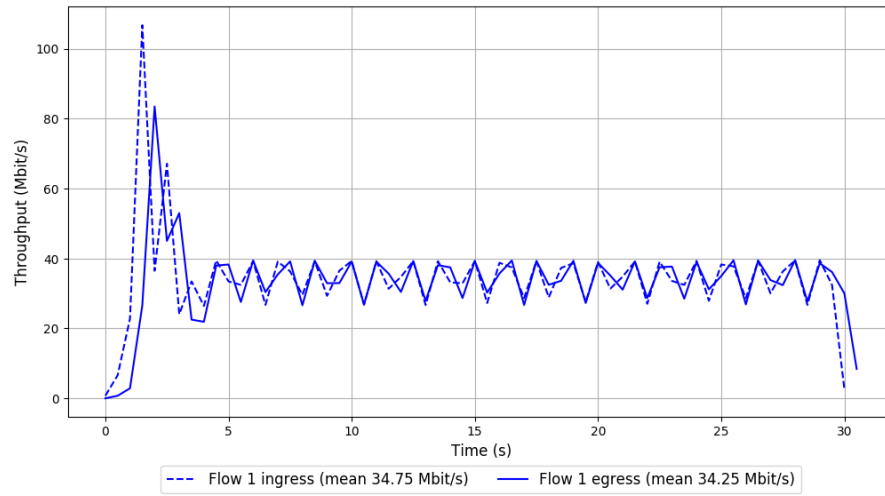


Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 00:44:24
End at: 2018-05-22 00:44:54
Local clock offset: 0.539 ms
Remote clock offset: -35.276 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 72.725 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 72.725 ms
Loss rate: 1.46%

Run 8: Report of TCP Vegas — Data Link

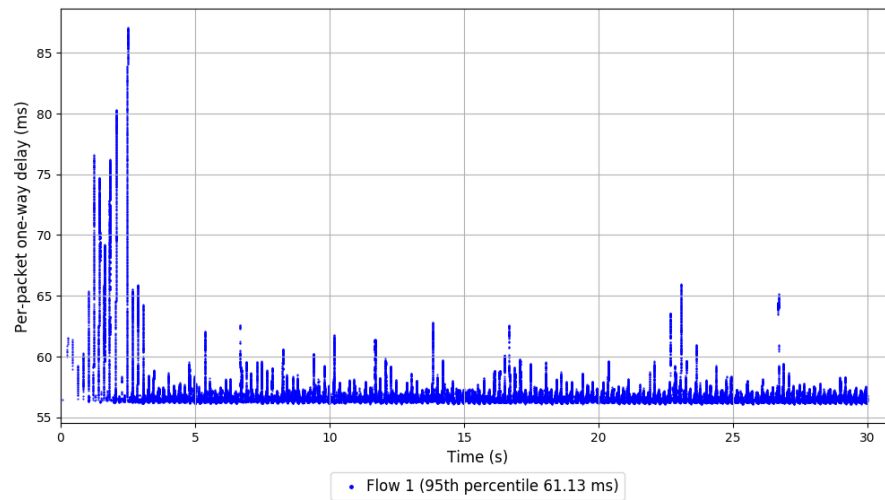
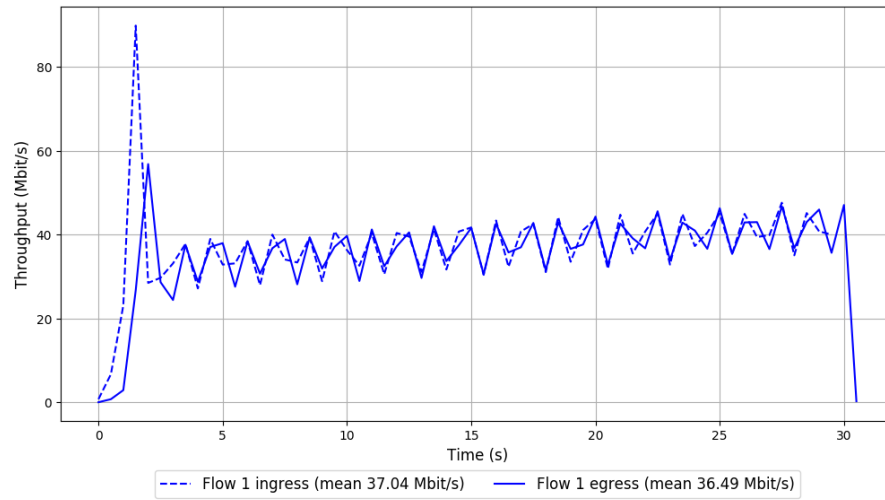


Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 01:04:58
End at: 2018-05-22 01:05:28
Local clock offset: -1.402 ms
Remote clock offset: -36.406 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 1.48%

Run 9: Report of TCP Vegas — Data Link

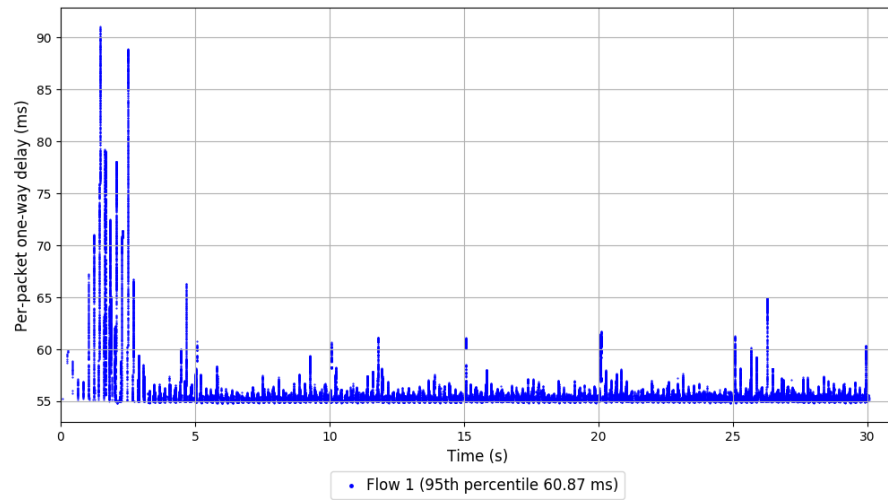
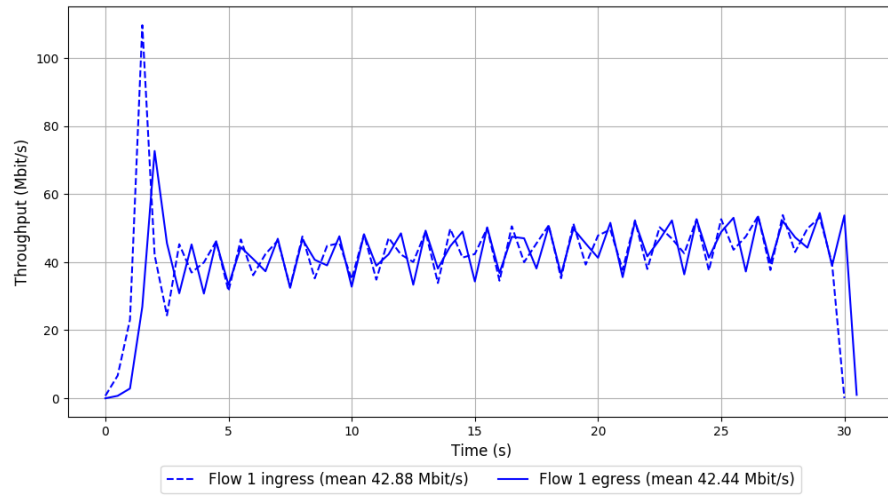


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 01:25:31
End at: 2018-05-22 01:26:02
Local clock offset: -1.91 ms
Remote clock offset: -37.23 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 60.874 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 60.874 ms
Loss rate: 1.05%

Run 10: Report of TCP Vegas — Data Link

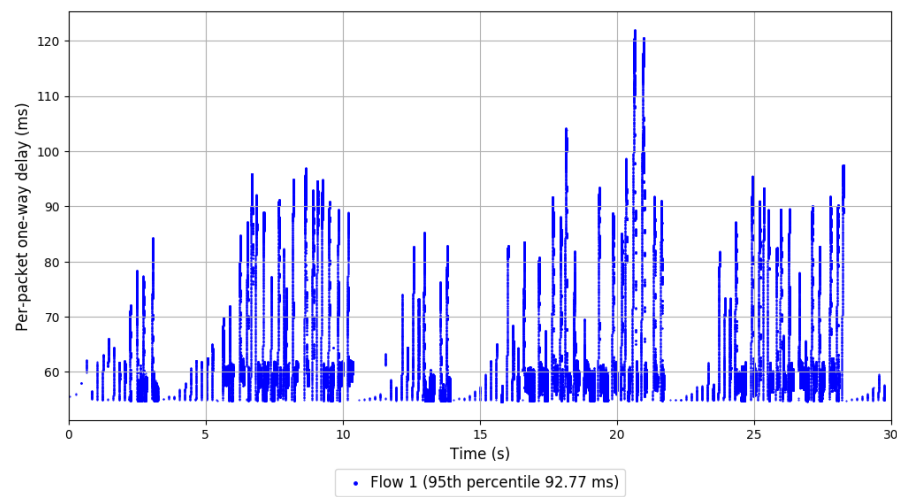
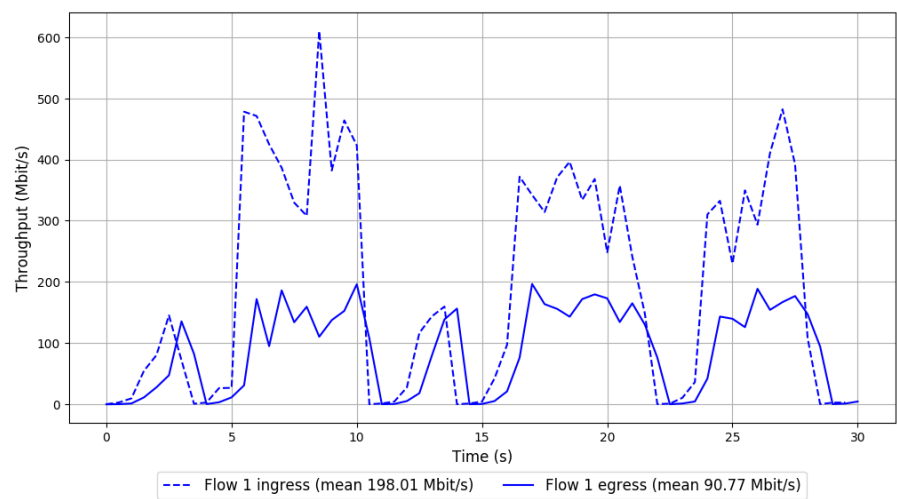


Run 1: Statistics of Verus

Start at: 2018-05-21 21:43:50
End at: 2018-05-21 21:44:20
Local clock offset: -1.217 ms
Remote clock offset: -40.166 ms

Below is generated by plot.py at 2018-05-22 02:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 92.766 ms
Loss rate: 54.16%
-- Flow 1:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 92.766 ms
Loss rate: 54.16%

Run 1: Report of Verus — Data Link

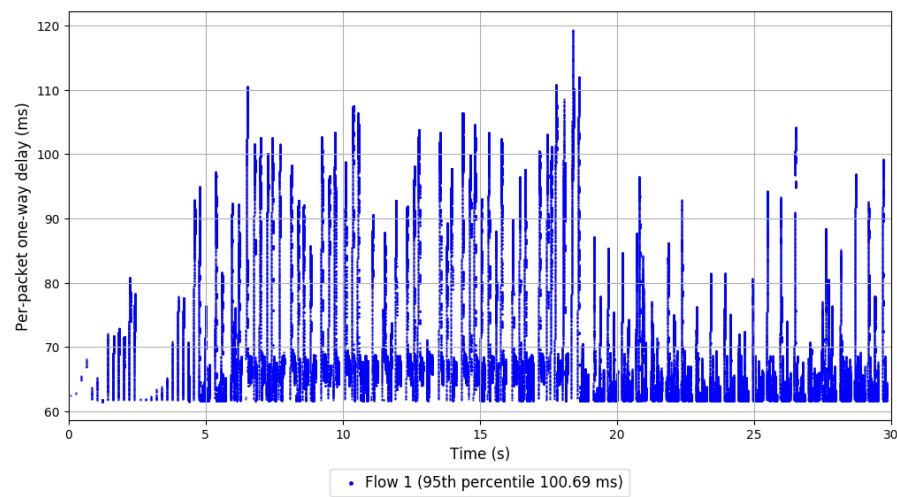
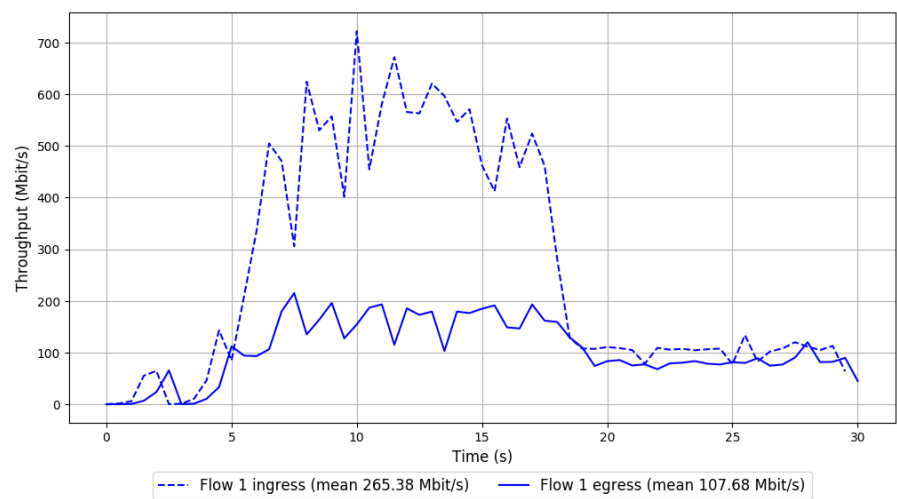


Run 2: Statistics of Verus

Start at: 2018-05-21 22:09:58
End at: 2018-05-21 22:10:28
Local clock offset: -1.239 ms
Remote clock offset: -31.575 ms

Below is generated by plot.py at 2018-05-22 02:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.68 Mbit/s
95th percentile per-packet one-way delay: 100.691 ms
Loss rate: 59.42%
-- Flow 1:
Average throughput: 107.68 Mbit/s
95th percentile per-packet one-way delay: 100.691 ms
Loss rate: 59.42%

Run 2: Report of Verus — Data Link

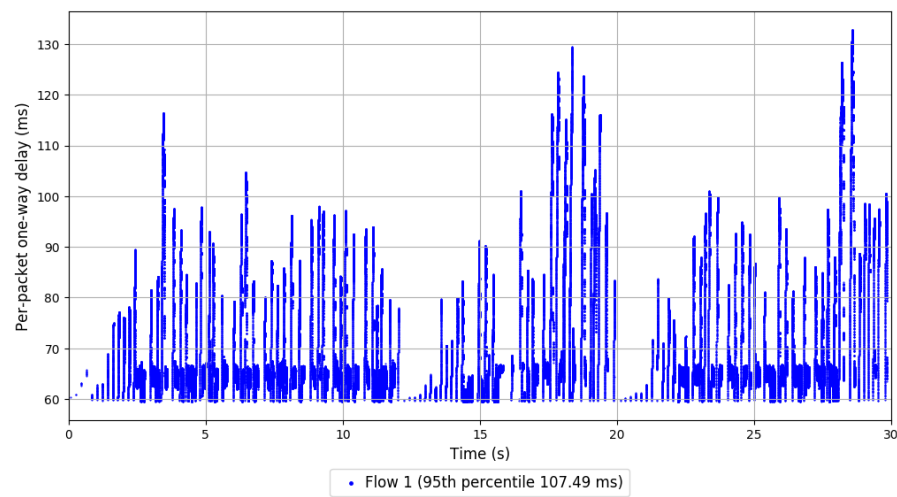
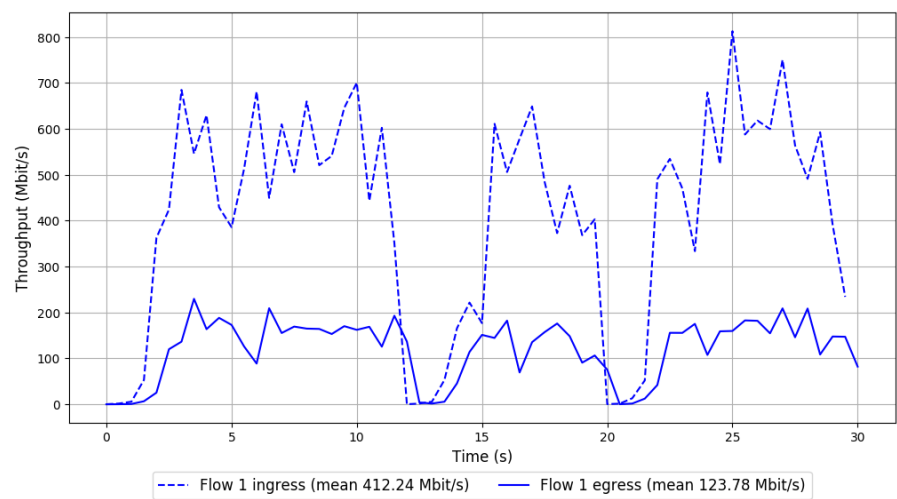


Run 3: Statistics of Verus

Start at: 2018-05-21 22:30:37
End at: 2018-05-21 22:31:07
Local clock offset: 1.786 ms
Remote clock offset: -30.412 ms

Below is generated by plot.py at 2018-05-22 02:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.78 Mbit/s
95th percentile per-packet one-way delay: 107.489 ms
Loss rate: 69.97%
-- Flow 1:
Average throughput: 123.78 Mbit/s
95th percentile per-packet one-way delay: 107.489 ms
Loss rate: 69.97%

Run 3: Report of Verus — Data Link

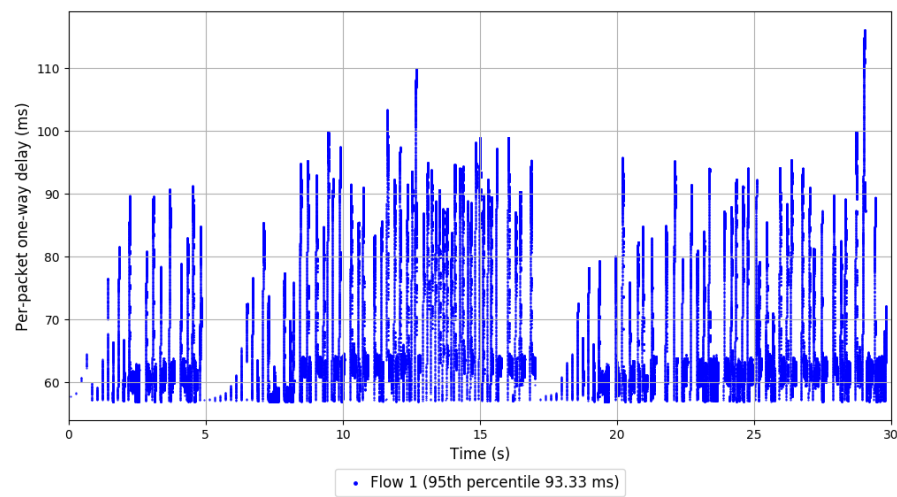
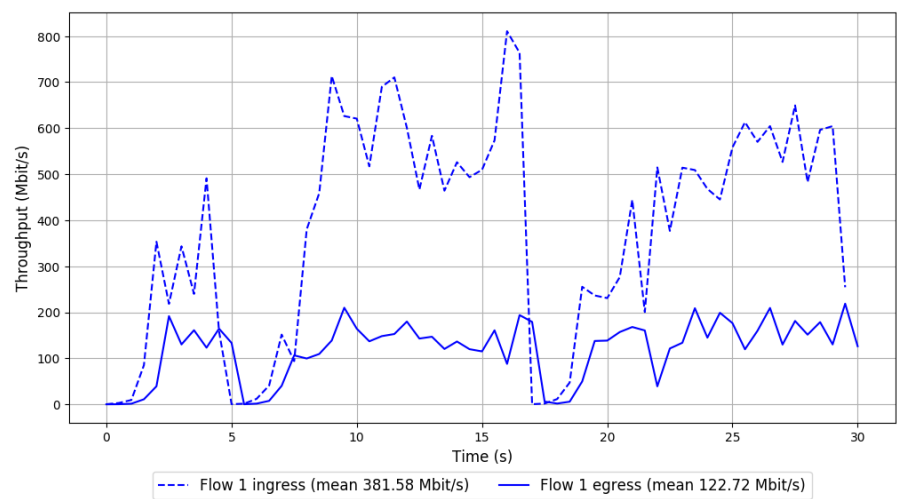


Run 4: Statistics of Verus

Start at: 2018-05-21 22:56:50
End at: 2018-05-21 22:57:20
Local clock offset: 0.958 ms
Remote clock offset: -32.623 ms

Below is generated by plot.py at 2018-05-22 02:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.72 Mbit/s
95th percentile per-packet one-way delay: 93.329 ms
Loss rate: 67.83%
-- Flow 1:
Average throughput: 122.72 Mbit/s
95th percentile per-packet one-way delay: 93.329 ms
Loss rate: 67.83%

Run 4: Report of Verus — Data Link

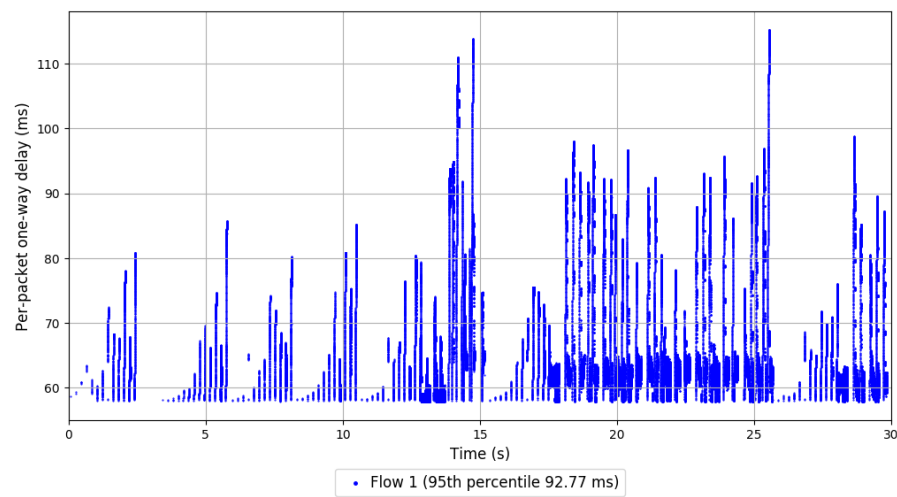
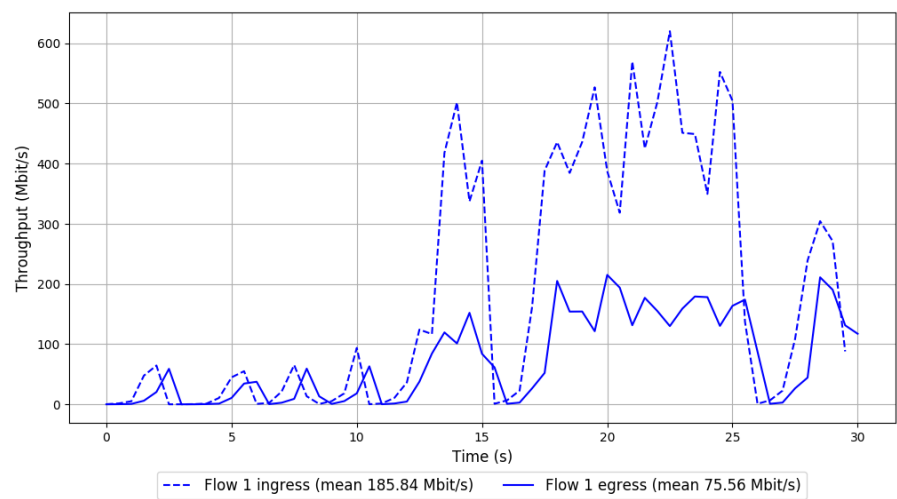


Run 5: Statistics of Verus

Start at: 2018-05-21 23:23:11
End at: 2018-05-21 23:23:41
Local clock offset: -1.329 ms
Remote clock offset: -33.316 ms

Below is generated by plot.py at 2018-05-22 02:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.56 Mbit/s
95th percentile per-packet one-way delay: 92.769 ms
Loss rate: 59.34%
-- Flow 1:
Average throughput: 75.56 Mbit/s
95th percentile per-packet one-way delay: 92.769 ms
Loss rate: 59.34%

Run 5: Report of Verus — Data Link

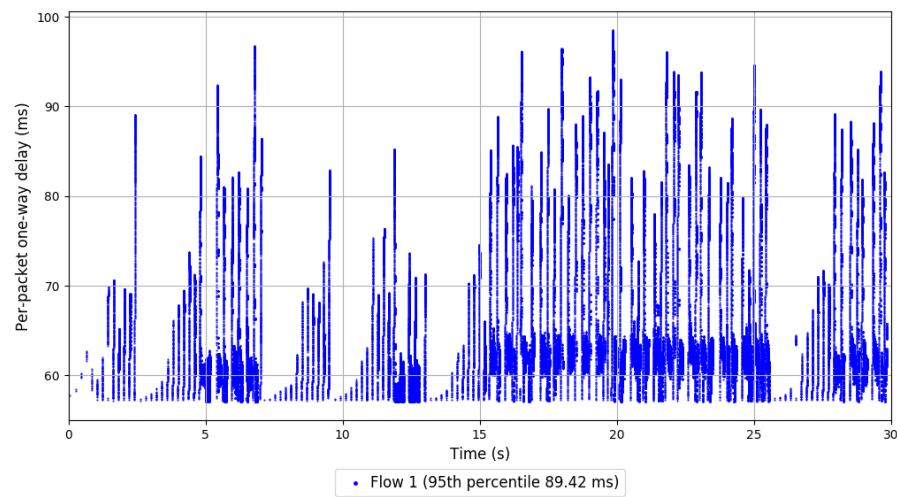
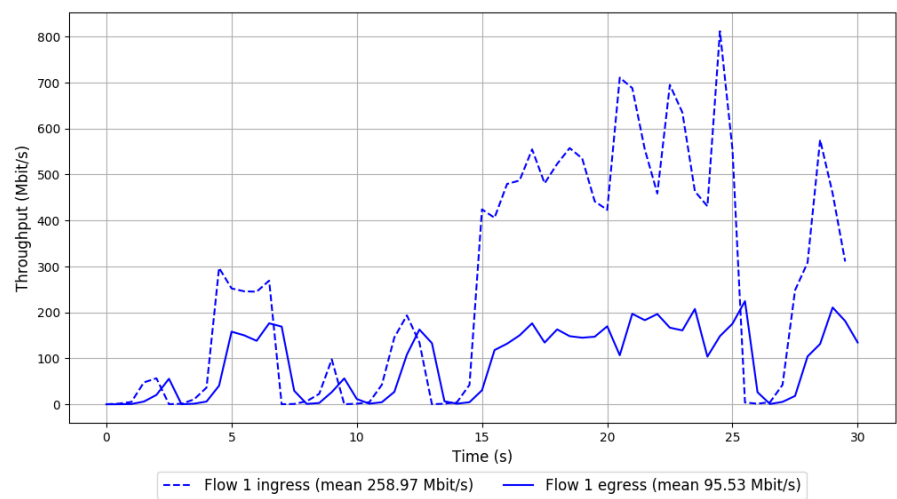


Run 6: Statistics of Verus

Start at: 2018-05-21 23:43:42
End at: 2018-05-21 23:44:13
Local clock offset: -0.164 ms
Remote clock offset: -36.818 ms

Below is generated by plot.py at 2018-05-22 02:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 89.418 ms
Loss rate: 63.11%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 89.418 ms
Loss rate: 63.11%

Run 6: Report of Verus — Data Link

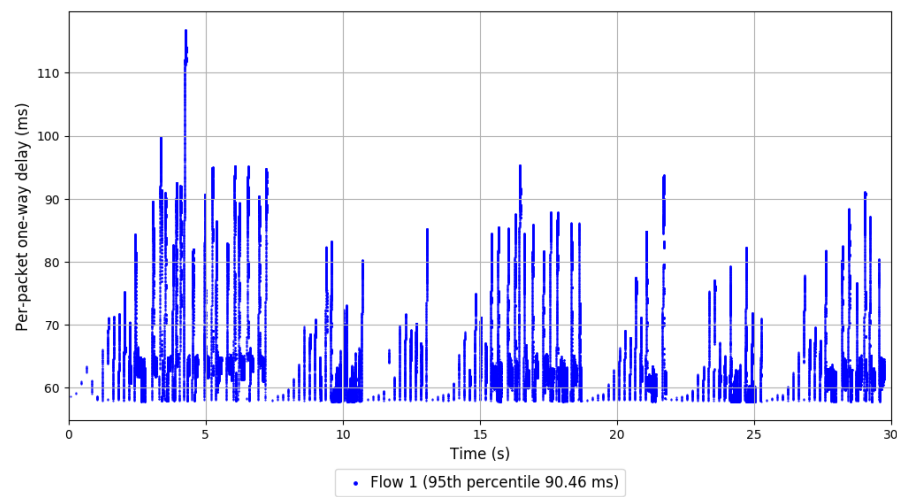
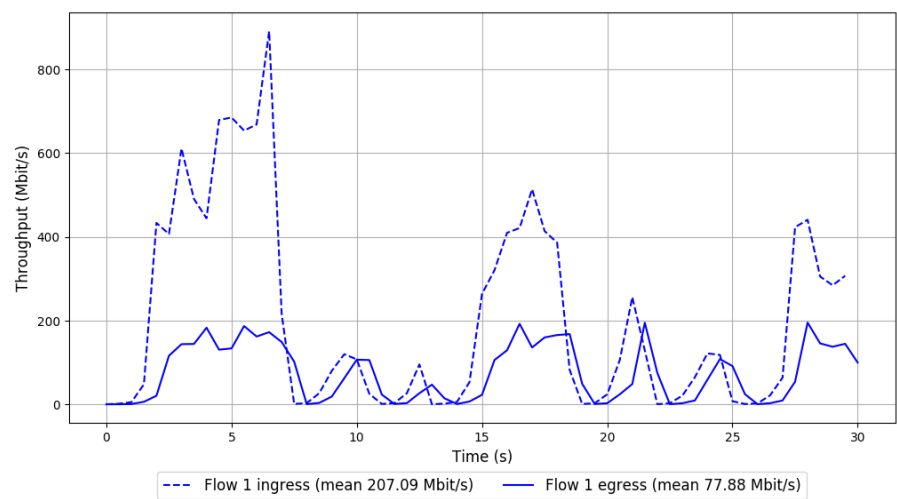


Run 7: Statistics of Verus

Start at: 2018-05-22 00:14:03
End at: 2018-05-22 00:14:33
Local clock offset: -0.612 ms
Remote clock offset: -32.928 ms

Below is generated by plot.py at 2018-05-22 02:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 90.458 ms
Loss rate: 62.39%
-- Flow 1:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 90.458 ms
Loss rate: 62.39%

Run 7: Report of Verus — Data Link

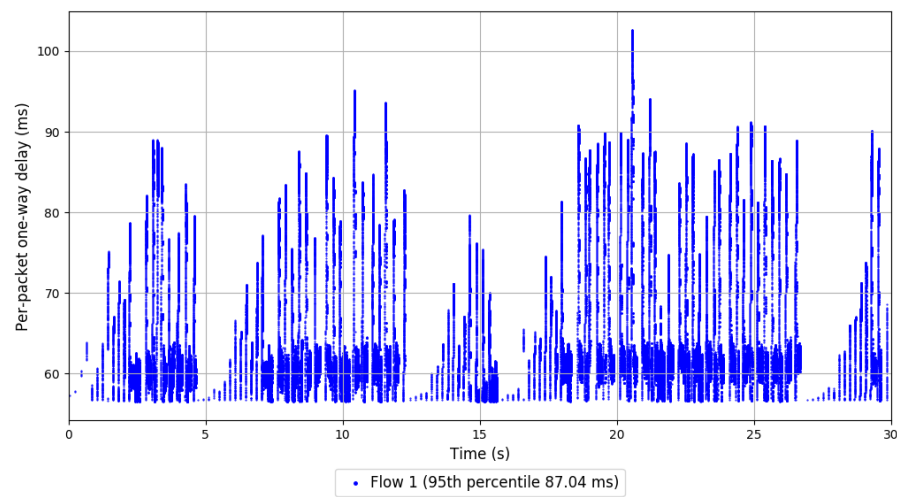
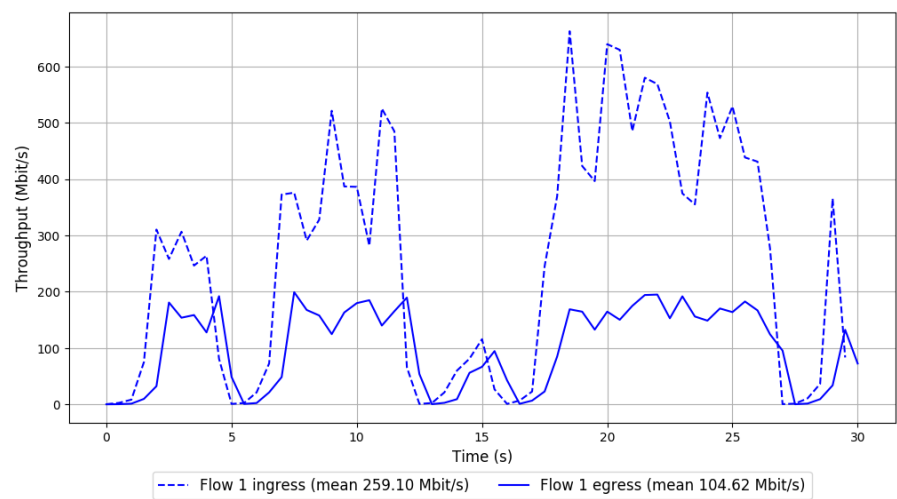


Run 8: Statistics of Verus

Start at: 2018-05-22 00:40:16
End at: 2018-05-22 00:40:46
Local clock offset: -0.416 ms
Remote clock offset: -35.401 ms

Below is generated by plot.py at 2018-05-22 02:17:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.62 Mbit/s
95th percentile per-packet one-way delay: 87.039 ms
Loss rate: 59.62%
-- Flow 1:
Average throughput: 104.62 Mbit/s
95th percentile per-packet one-way delay: 87.039 ms
Loss rate: 59.62%

Run 8: Report of Verus — Data Link

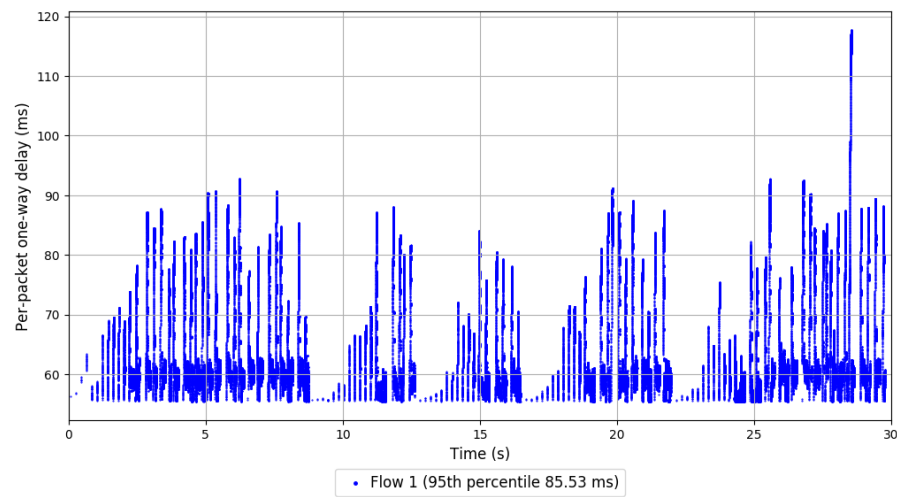
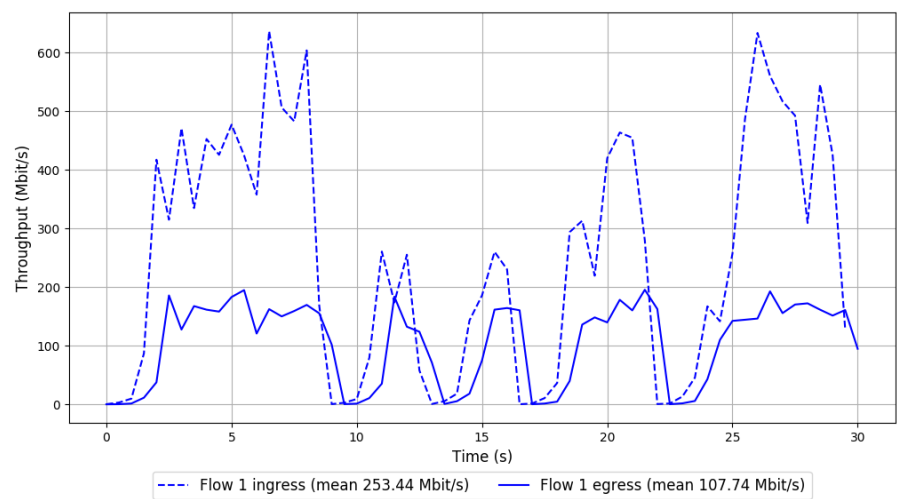


Run 9: Statistics of Verus

Start at: 2018-05-22 01:00:50
End at: 2018-05-22 01:01:20
Local clock offset: -0.689 ms
Remote clock offset: -36.527 ms

Below is generated by plot.py at 2018-05-22 02:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.74 Mbit/s
95th percentile per-packet one-way delay: 85.532 ms
Loss rate: 57.48%
-- Flow 1:
Average throughput: 107.74 Mbit/s
95th percentile per-packet one-way delay: 85.532 ms
Loss rate: 57.48%

Run 9: Report of Verus — Data Link

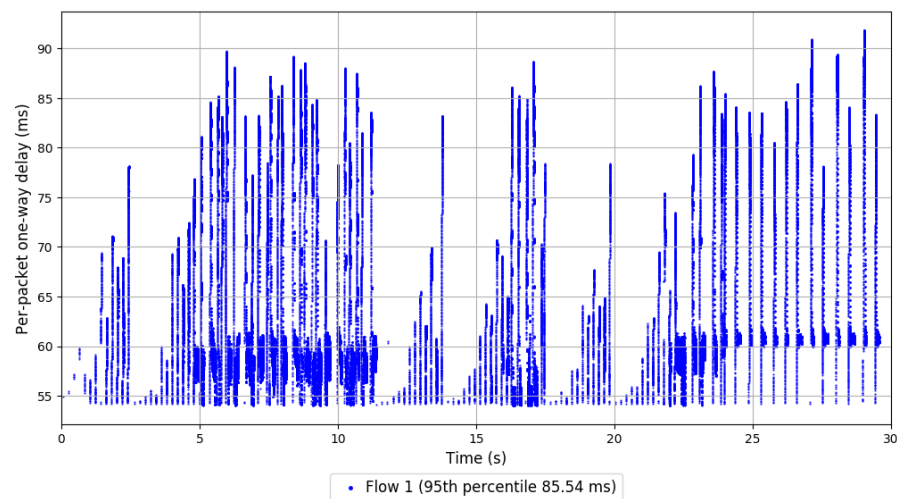
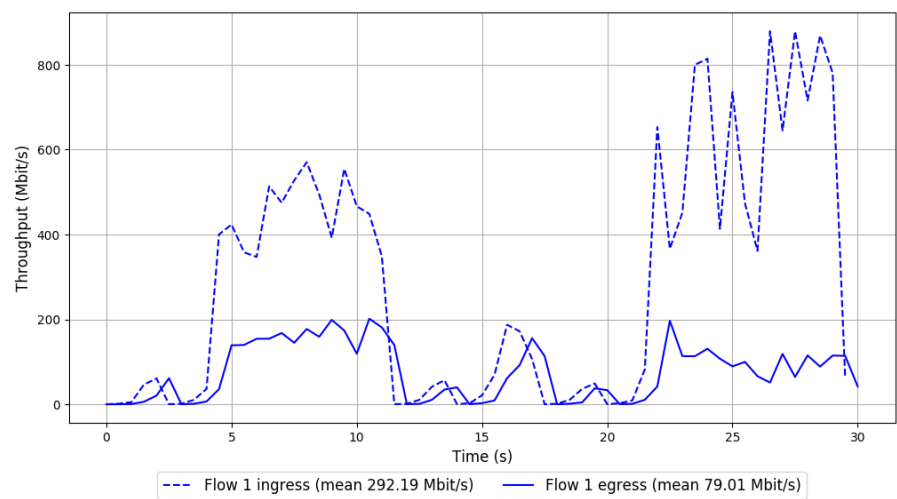


Run 10: Statistics of Verus

Start at: 2018-05-22 01:21:25
End at: 2018-05-22 01:21:55
Local clock offset: 1.343 ms
Remote clock offset: -37.186 ms

Below is generated by plot.py at 2018-05-22 02:17:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 85.541 ms
Loss rate: 72.95%
-- Flow 1:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 85.541 ms
Loss rate: 72.95%

Run 10: Report of Verus — Data Link

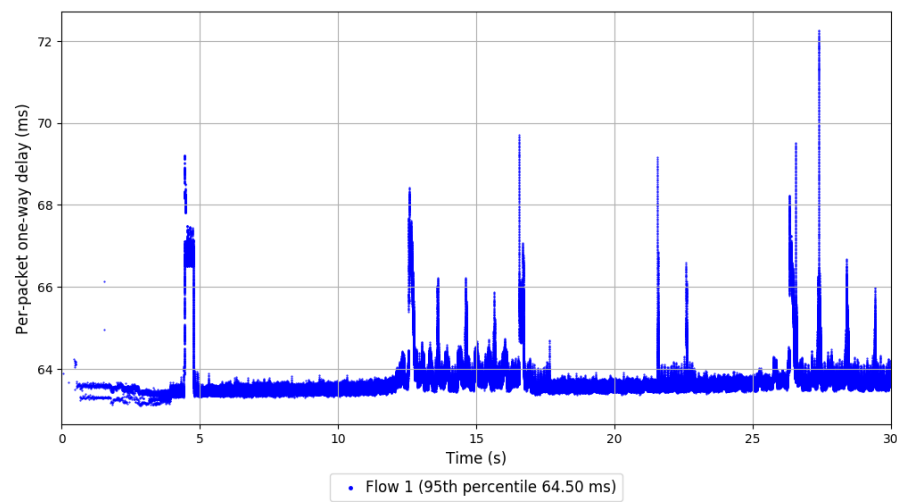
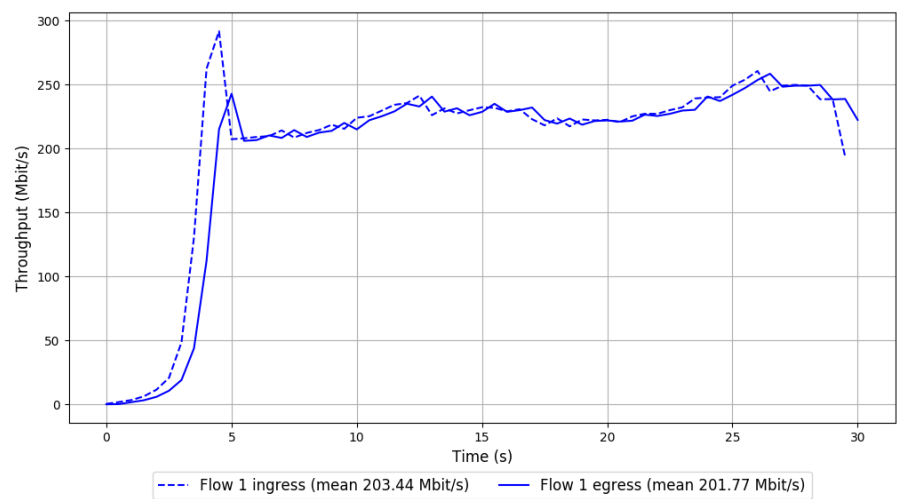


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-21 21:56:41
End at: 2018-05-21 21:57:11
Local clock offset: -3.798 ms
Remote clock offset: -33.171 ms

Below is generated by plot.py at 2018-05-22 02:18:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.77 Mbit/s
95th percentile per-packet one-way delay: 64.497 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 201.77 Mbit/s
95th percentile per-packet one-way delay: 64.497 ms
Loss rate: 0.83%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-21 22:22:52

End at: 2018-05-21 22:23:22

Local clock offset: 1.544 ms

Remote clock offset: -37.4 ms

Below is generated by plot.py at 2018-05-22 02:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.41 Mbit/s

95th percentile per-packet one-way delay: 56.911 ms

Loss rate: 0.92%

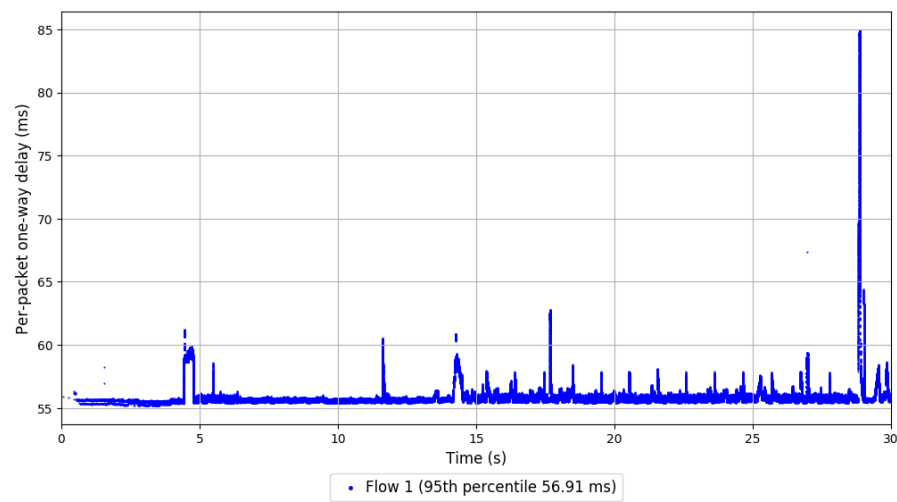
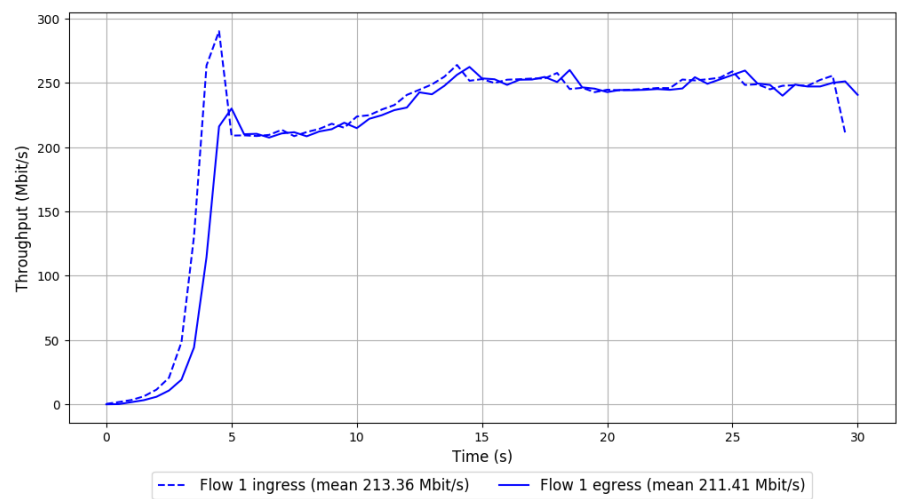
-- Flow 1:

Average throughput: 211.41 Mbit/s

95th percentile per-packet one-way delay: 56.911 ms

Loss rate: 0.92%

Run 2: Report of PCC-Vivace — Data Link

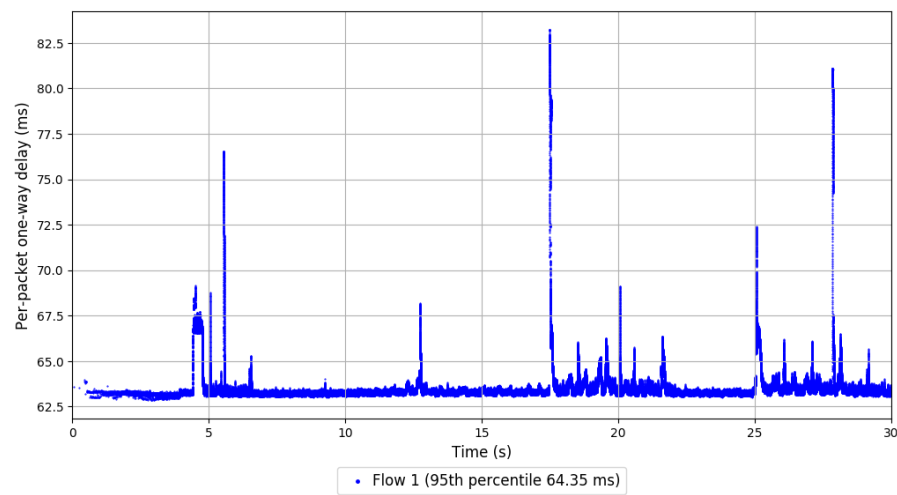
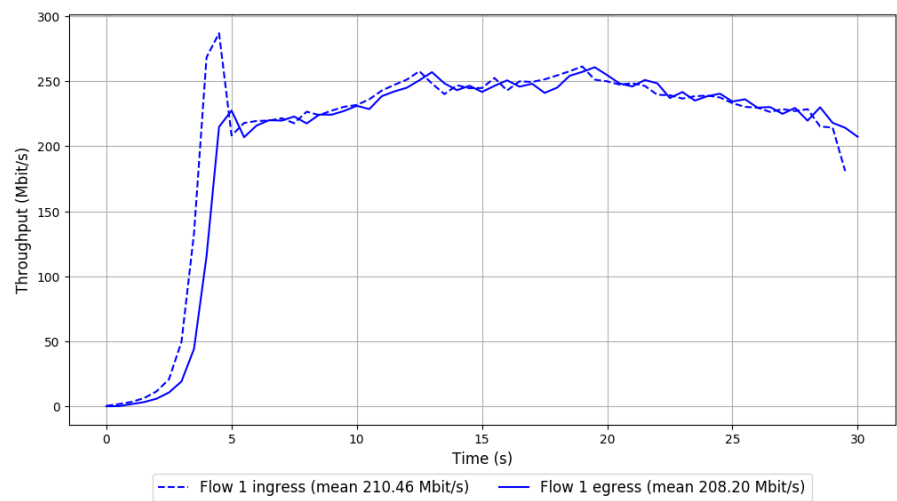


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-21 22:49:09
End at: 2018-05-21 22:49:39
Local clock offset: -0.272 ms
Remote clock offset: -27.738 ms

Below is generated by plot.py at 2018-05-22 02:19:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.20 Mbit/s
95th percentile per-packet one-way delay: 64.347 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 208.20 Mbit/s
95th percentile per-packet one-way delay: 64.347 ms
Loss rate: 1.08%

Run 3: Report of PCC-Vivace — Data Link

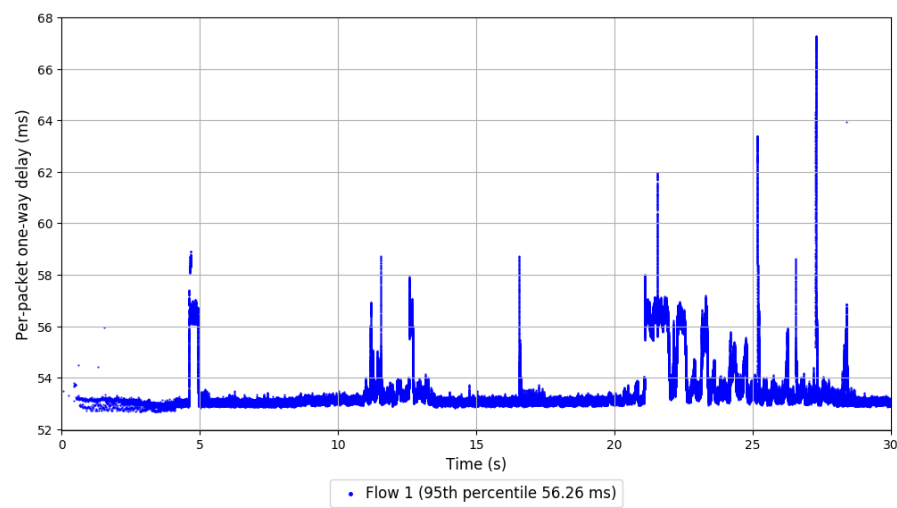
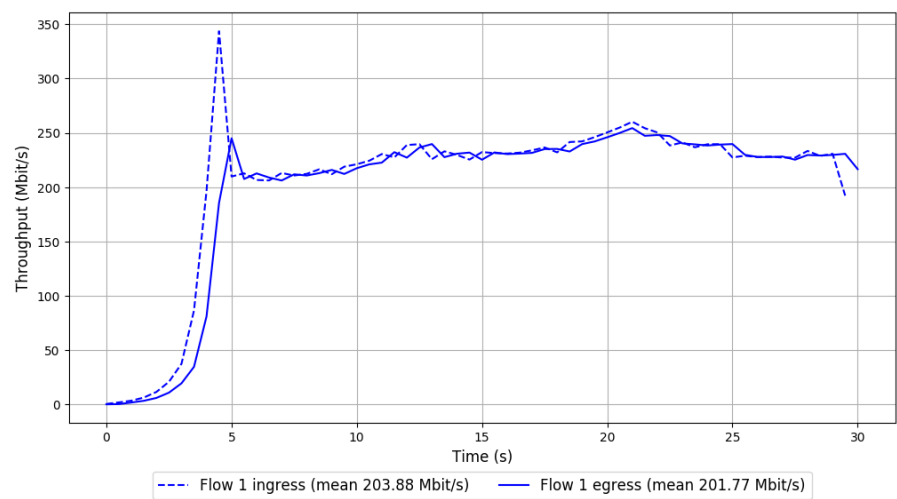


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-21 23:15:28
End at: 2018-05-21 23:15:58
Local clock offset: -1.434 ms
Remote clock offset: -38.712 ms

Below is generated by plot.py at 2018-05-22 02:19:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.77 Mbit/s
95th percentile per-packet one-way delay: 56.255 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 201.77 Mbit/s
95th percentile per-packet one-way delay: 56.255 ms
Loss rate: 1.04%

Run 4: Report of PCC-Vivace — Data Link

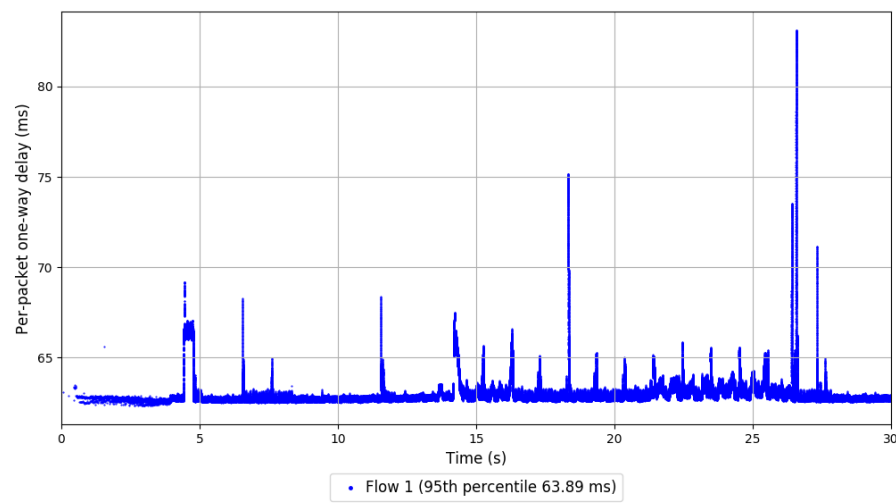
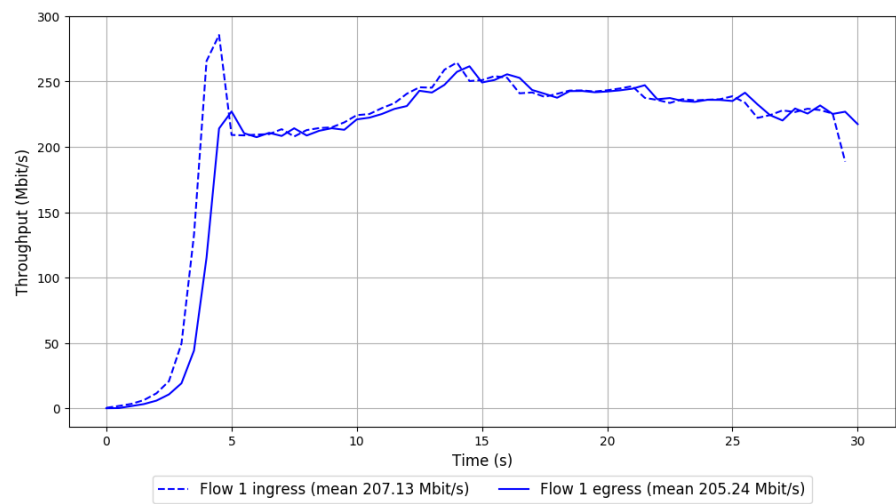


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-21 23:36:03
End at: 2018-05-21 23:36:33
Local clock offset: -0.691 ms
Remote clock offset: -28.919 ms

Below is generated by plot.py at 2018-05-22 02:19:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.24 Mbit/s
95th percentile per-packet one-way delay: 63.894 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 205.24 Mbit/s
95th percentile per-packet one-way delay: 63.894 ms
Loss rate: 0.92%

Run 5: Report of PCC-Vivace — Data Link

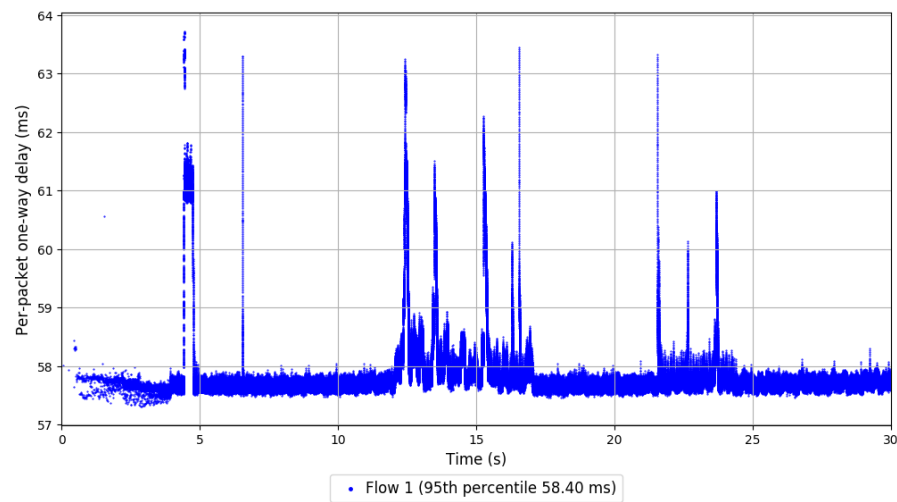
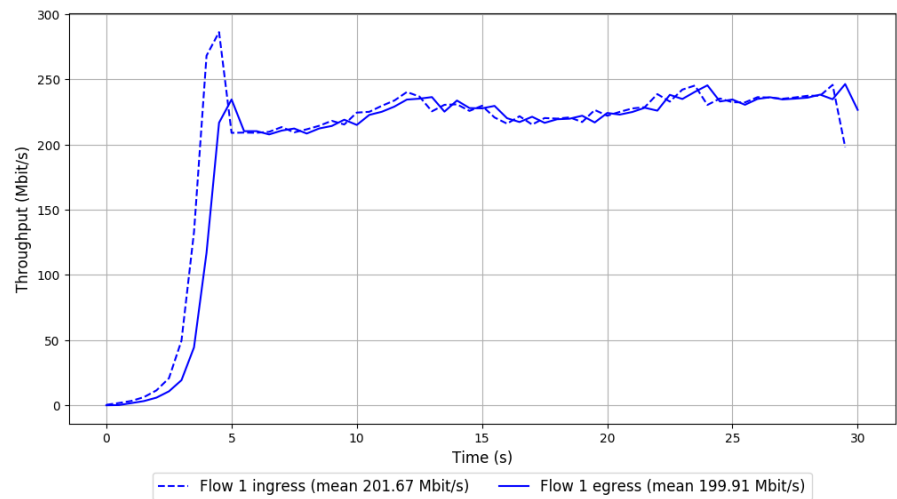


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 00:06:20
End at: 2018-05-22 00:06:50
Local clock offset: -1.115 ms
Remote clock offset: -34.013 ms

Below is generated by plot.py at 2018-05-22 02:20:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.91 Mbit/s
95th percentile per-packet one-way delay: 58.401 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 199.91 Mbit/s
95th percentile per-packet one-way delay: 58.401 ms
Loss rate: 0.87%

Run 6: Report of PCC-Vivace — Data Link

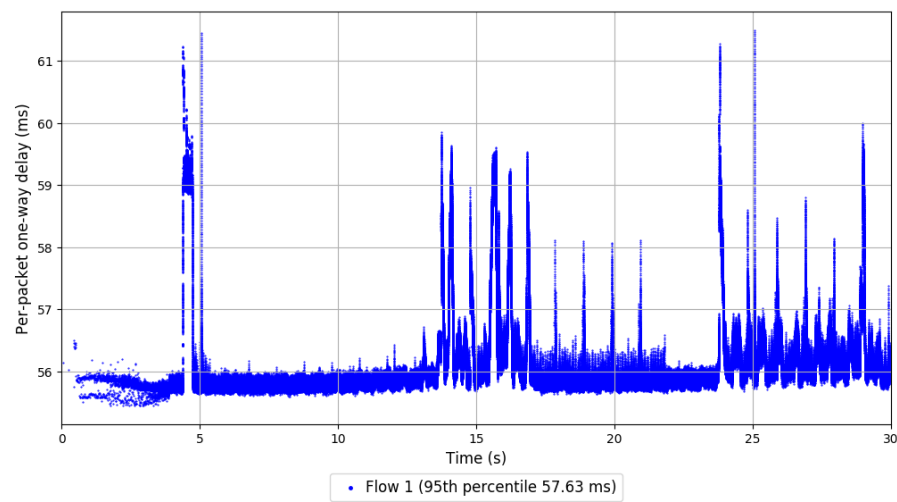
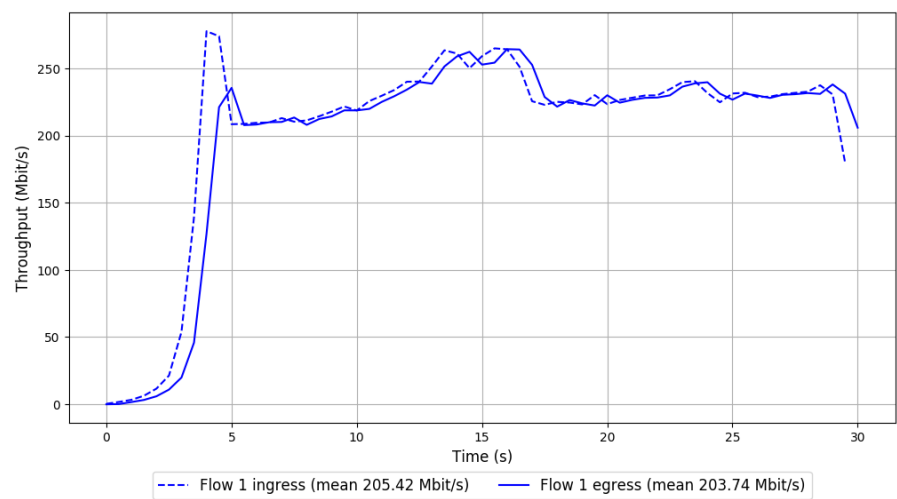


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 00:32:35
End at: 2018-05-22 00:33:05
Local clock offset: 0.559 ms
Remote clock offset: -34.696 ms

Below is generated by plot.py at 2018-05-22 02:20:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.74 Mbit/s
95th percentile per-packet one-way delay: 57.630 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 203.74 Mbit/s
95th percentile per-packet one-way delay: 57.630 ms
Loss rate: 0.82%

Run 7: Report of PCC-Vivace — Data Link

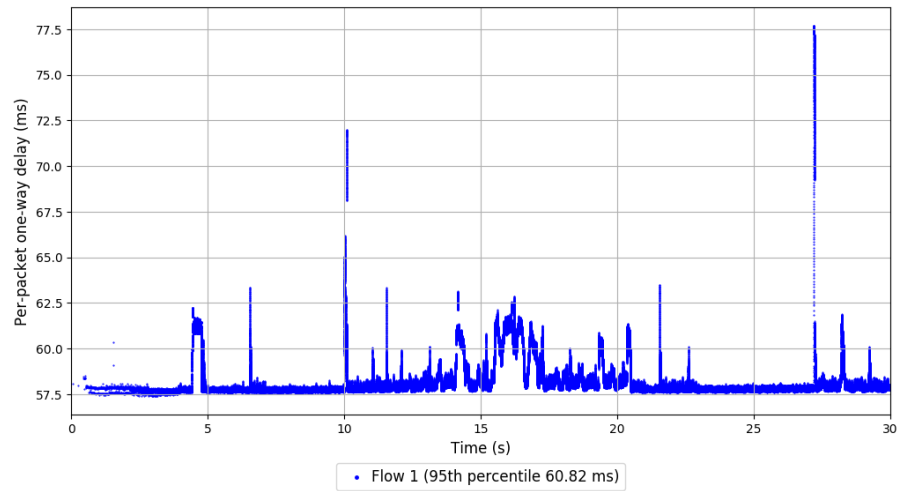
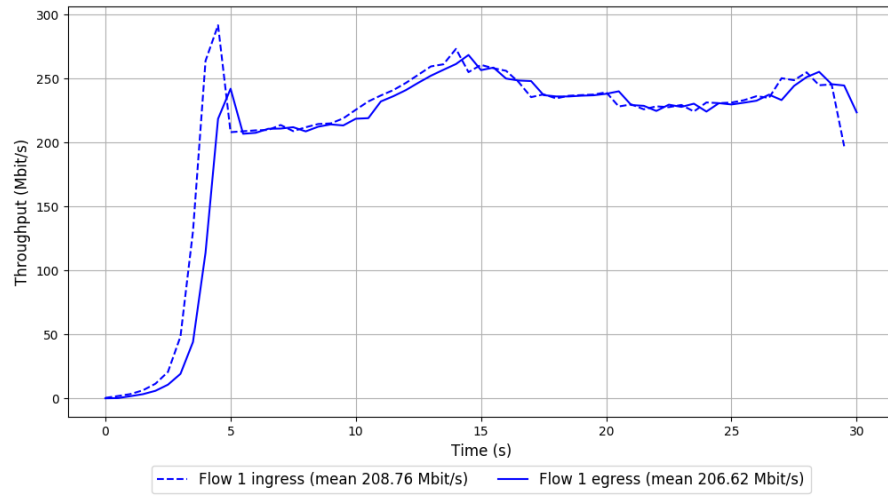


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 00:53:11
End at: 2018-05-22 00:53:41
Local clock offset: -0.548 ms
Remote clock offset: -37.507 ms

Below is generated by plot.py at 2018-05-22 02:20:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.62 Mbit/s
95th percentile per-packet one-way delay: 60.822 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 206.62 Mbit/s
95th percentile per-packet one-way delay: 60.822 ms
Loss rate: 1.03%

Run 8: Report of PCC-Vivace — Data Link

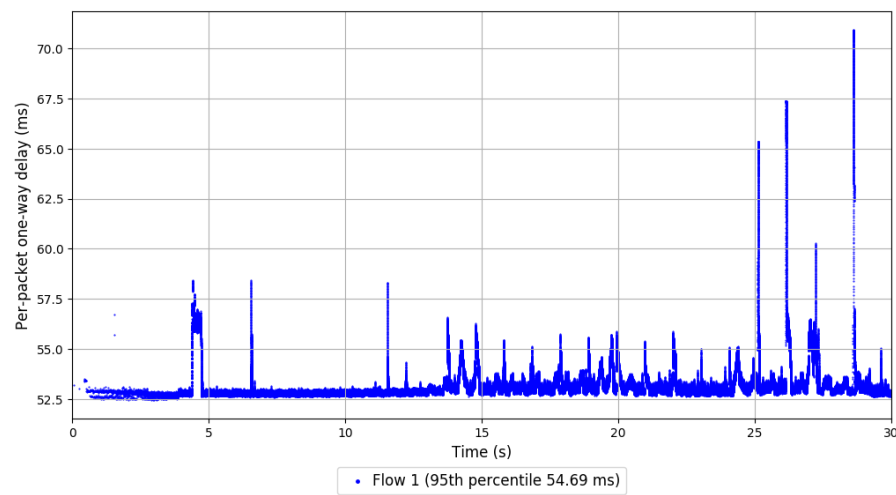
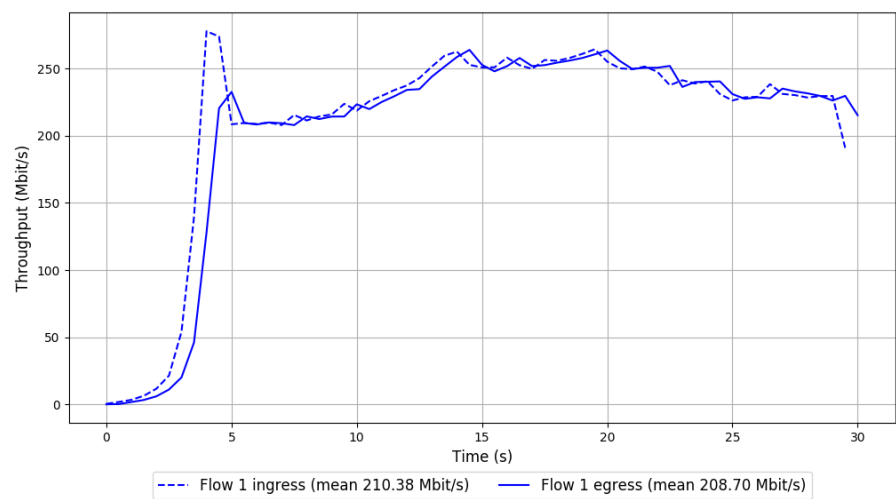


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 01:13:45
End at: 2018-05-22 01:14:15
Local clock offset: -1.559 ms
Remote clock offset: -39.138 ms

Below is generated by plot.py at 2018-05-22 02:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.70 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 208.70 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 0.80%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 01:34:19

End at: 2018-05-22 01:34:49

Local clock offset: 1.142 ms

Remote clock offset: -32.483 ms

Below is generated by plot.py at 2018-05-22 02:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.59 Mbit/s

95th percentile per-packet one-way delay: 60.151 ms

Loss rate: 0.81%

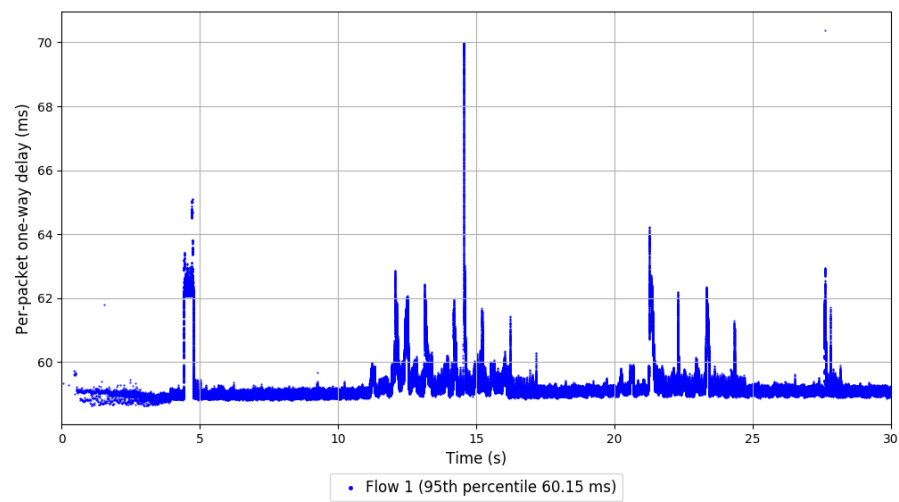
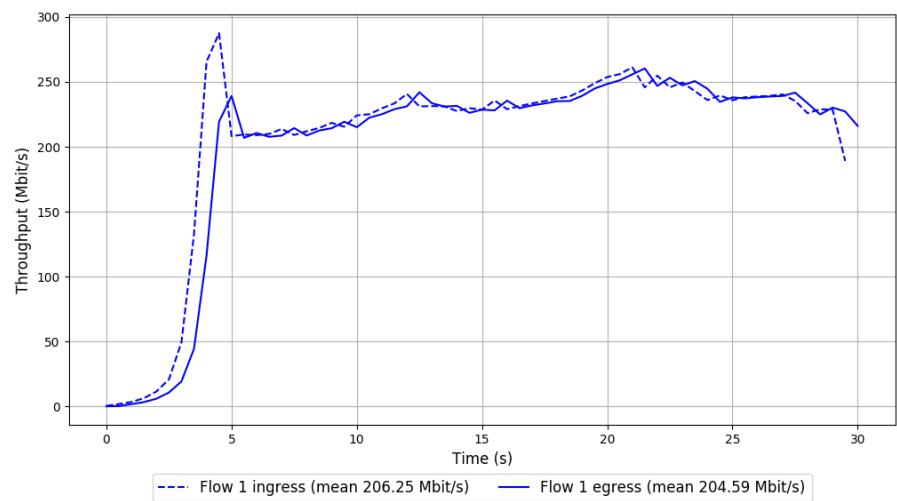
-- Flow 1:

Average throughput: 204.59 Mbit/s

95th percentile per-packet one-way delay: 60.151 ms

Loss rate: 0.81%

Run 10: Report of PCC-Vivace — Data Link

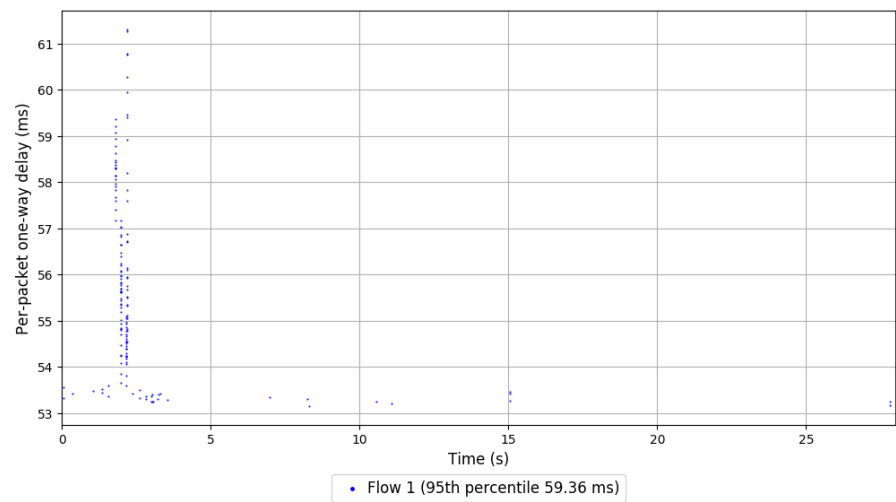
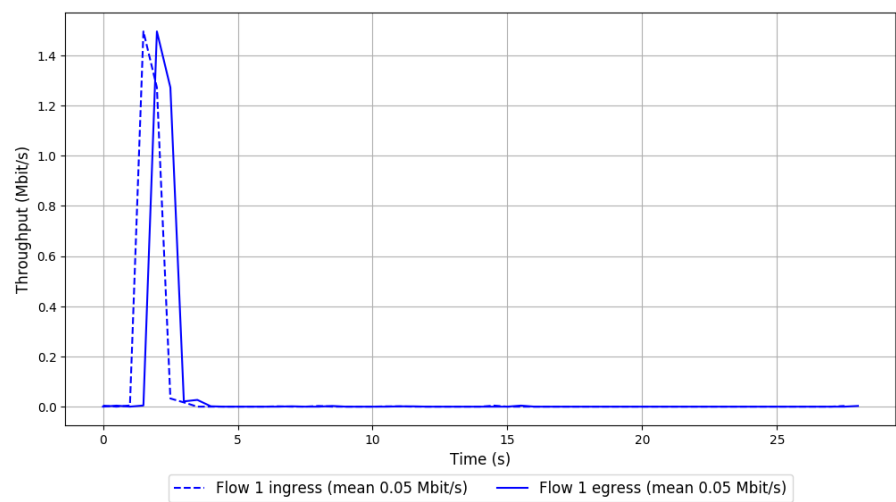


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-21 22:04:41
End at: 2018-05-21 22:05:11
Local clock offset: 1.444 ms
Remote clock offset: -37.307 ms

# Below is generated by plot.py at 2018-05-22 02:20:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.360 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

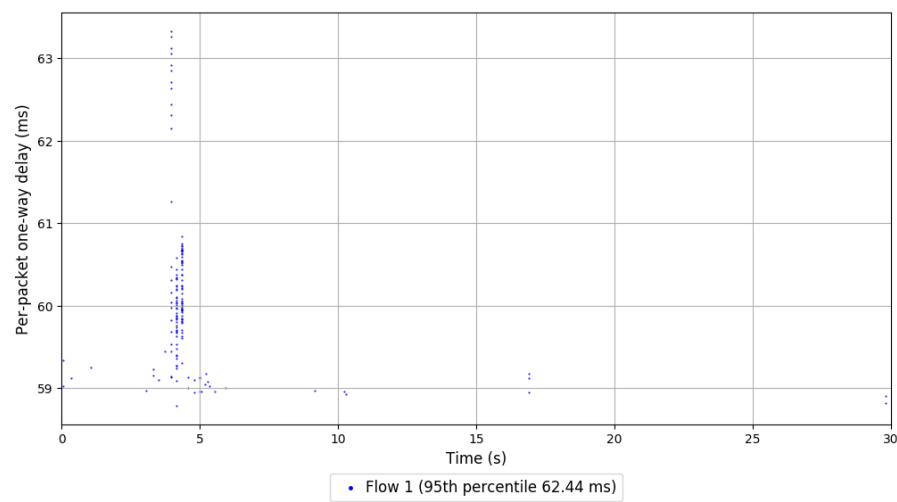
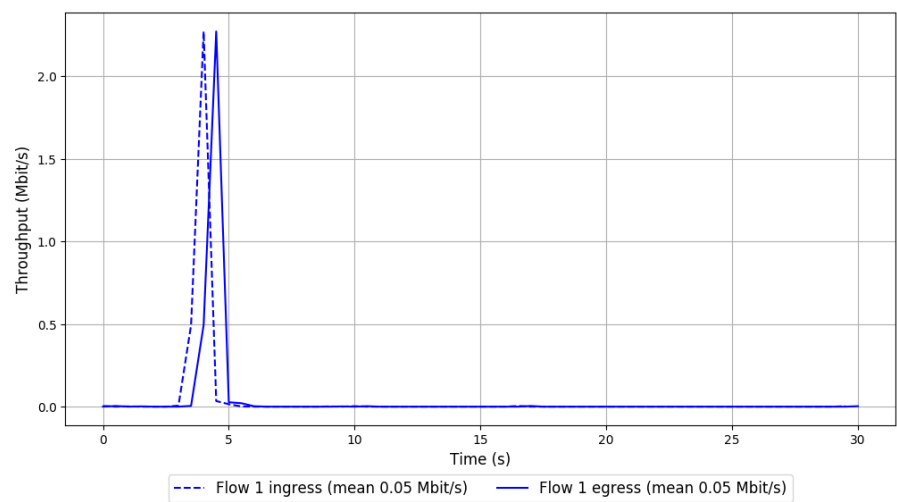


Run 2: Statistics of WebRTC media

Start at: 2018-05-21 22:25:26
End at: 2018-05-21 22:25:56
Local clock offset: 1.513 ms
Remote clock offset: -33.704 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.444 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

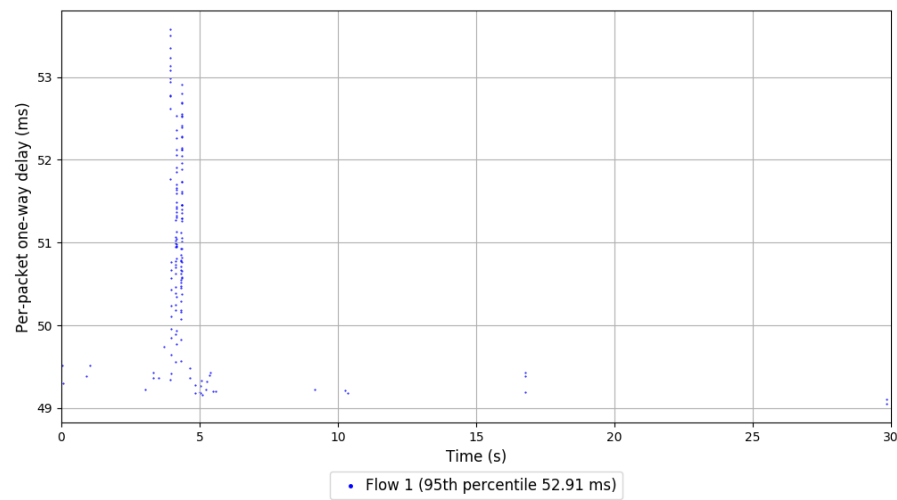
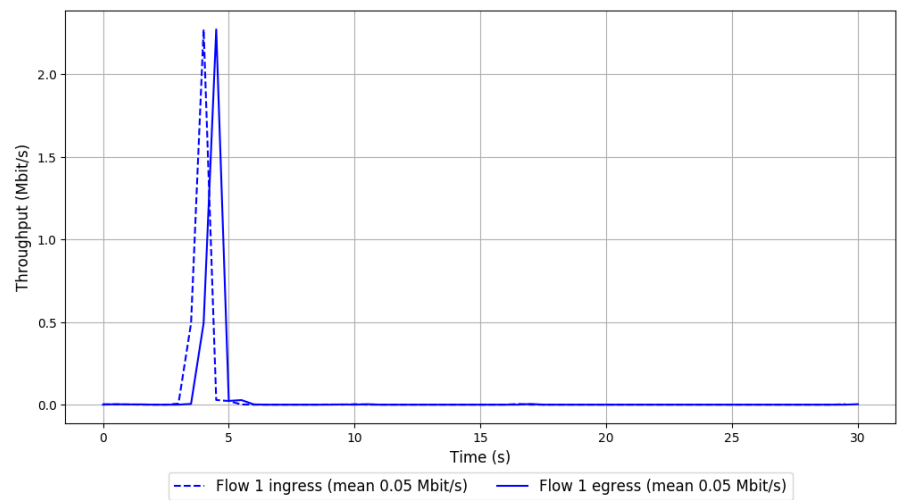


Run 3: Statistics of WebRTC media

Start at: 2018-05-21 22:51:42
End at: 2018-05-21 22:52:12
Local clock offset: 1.893 ms
Remote clock offset: -39.521 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 52.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 52.908 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

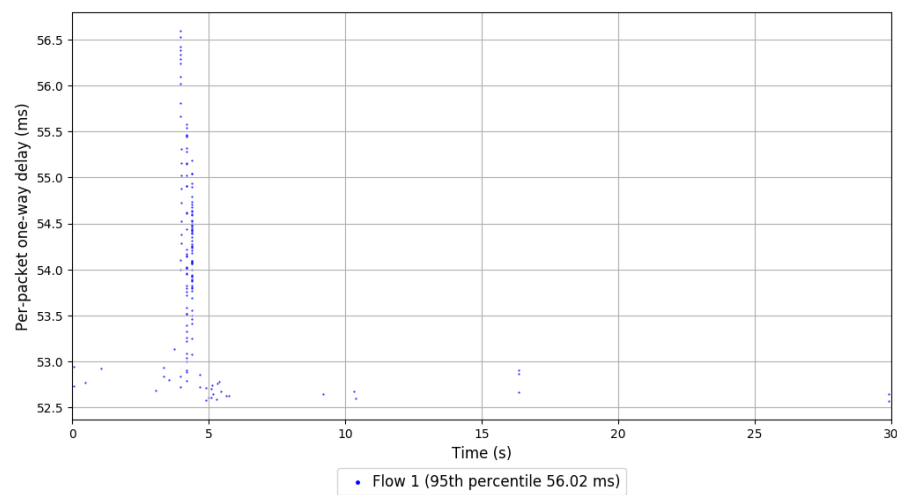
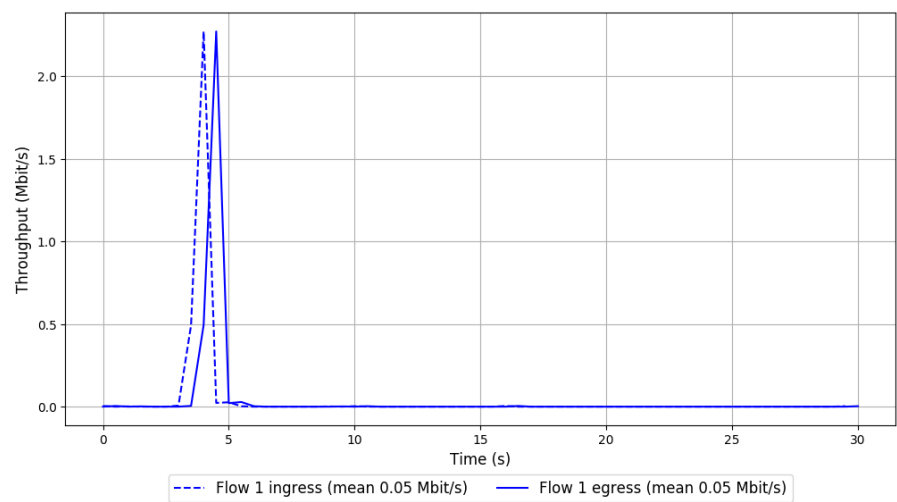


Run 4: Statistics of WebRTC media

Start at: 2018-05-21 23:18:01
End at: 2018-05-21 23:18:31
Local clock offset: 2.079 ms
Remote clock offset: -37.686 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.017 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

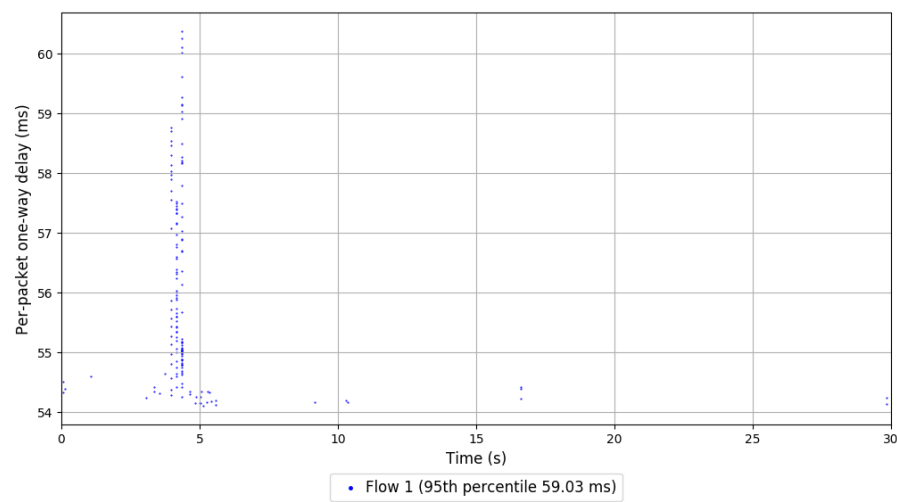
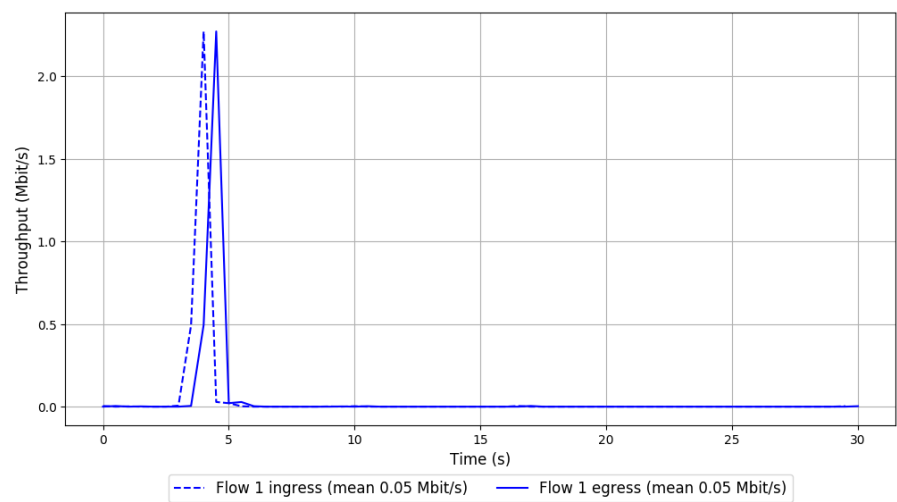


Run 5: Statistics of WebRTC media

Start at: 2018-05-21 23:38:37
End at: 2018-05-21 23:39:07
Local clock offset: 0.109 ms
Remote clock offset: -36.781 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.027 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

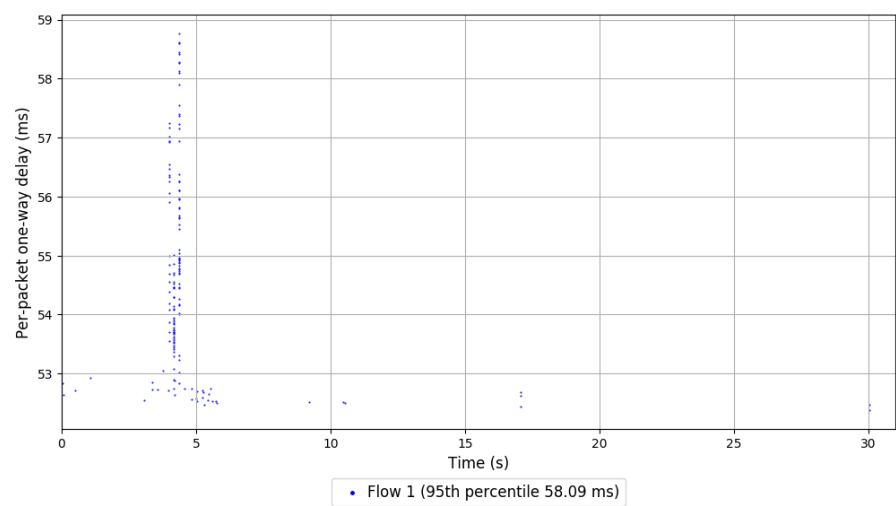
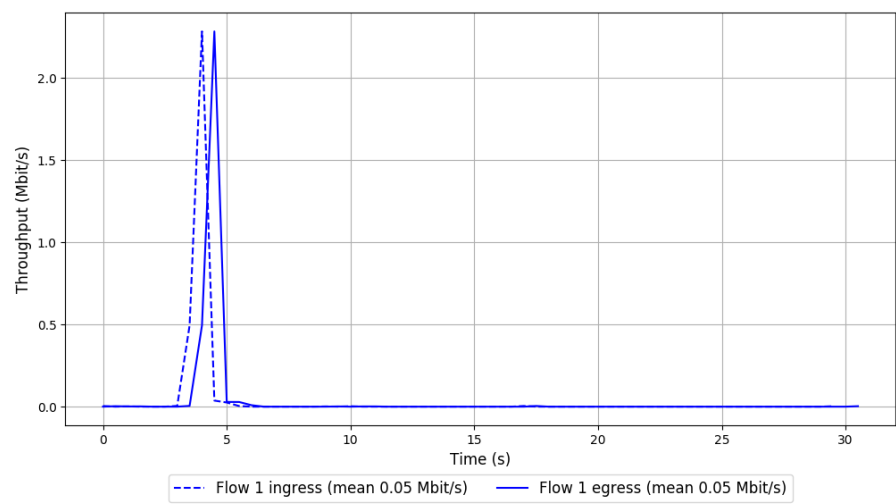


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 00:08:52
End at: 2018-05-22 00:09:22
Local clock offset: 1.339 ms
Remote clock offset: -39.301 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.091 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

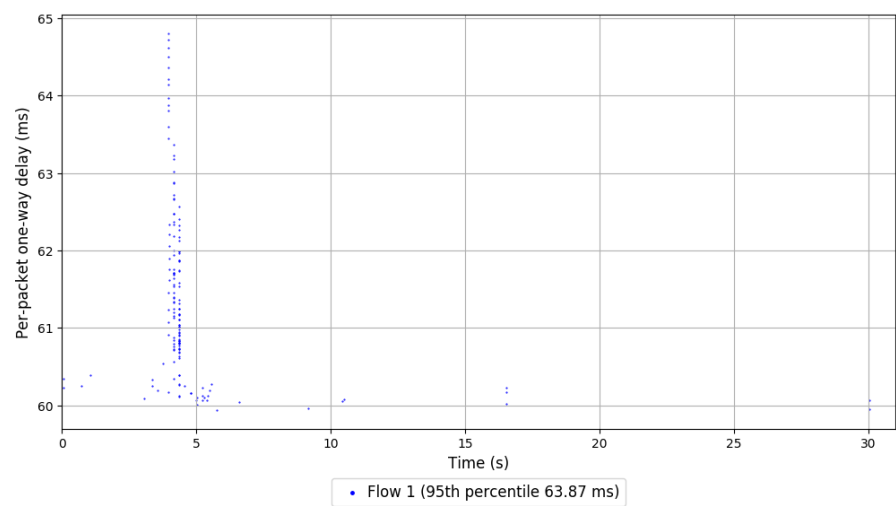
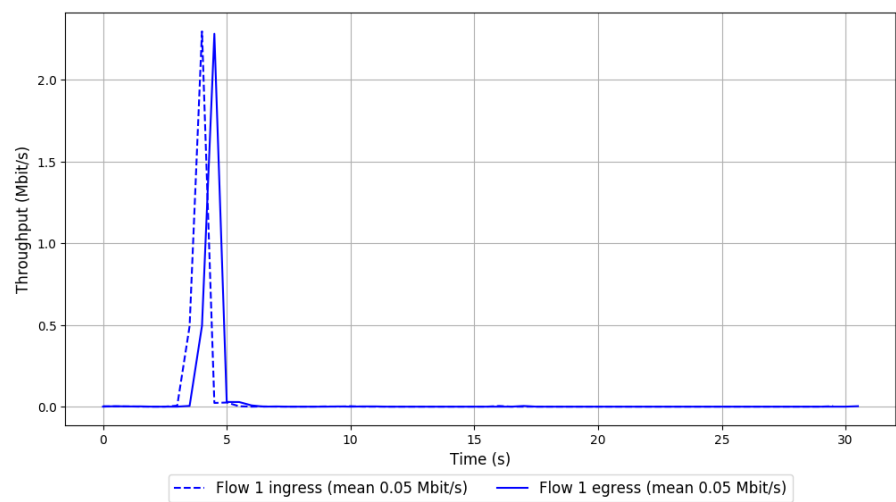


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 00:35:08
End at: 2018-05-22 00:35:38
Local clock offset: 3.246 ms
Remote clock offset: -27.753 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.874 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

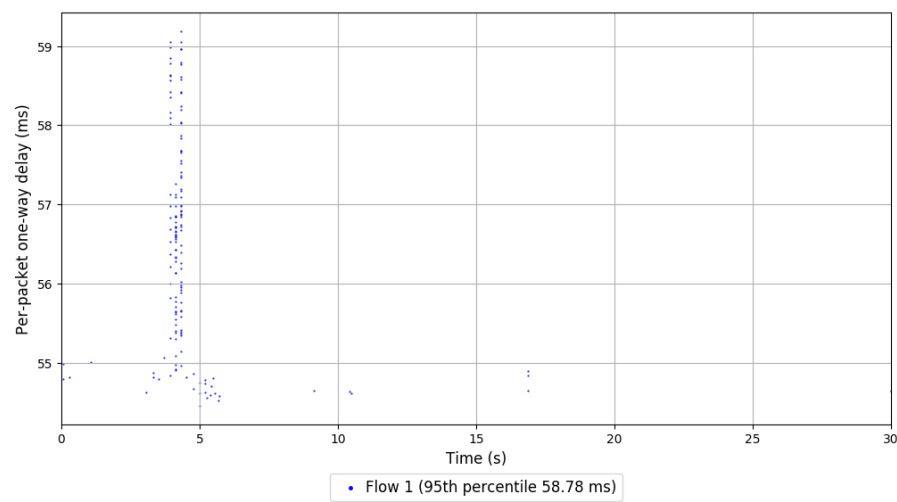
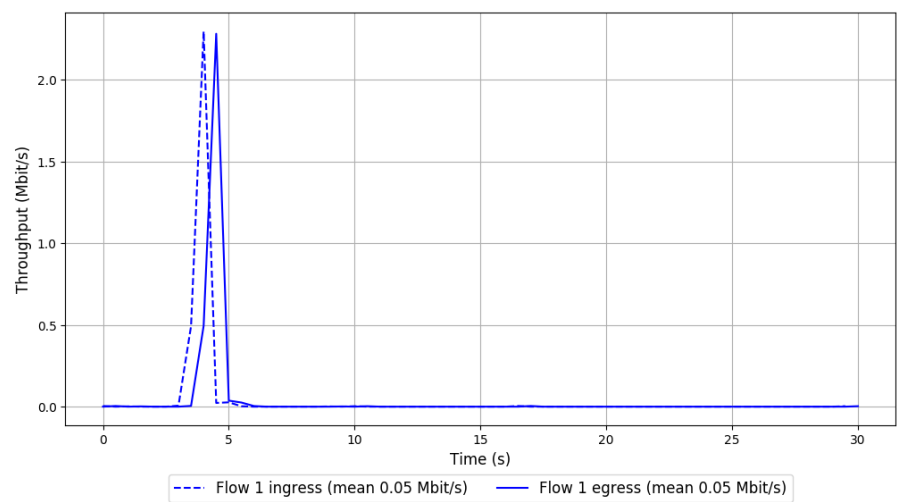


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 00:55:44
End at: 2018-05-22 00:56:14
Local clock offset: 2.384 ms
Remote clock offset: -35.211 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.780 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

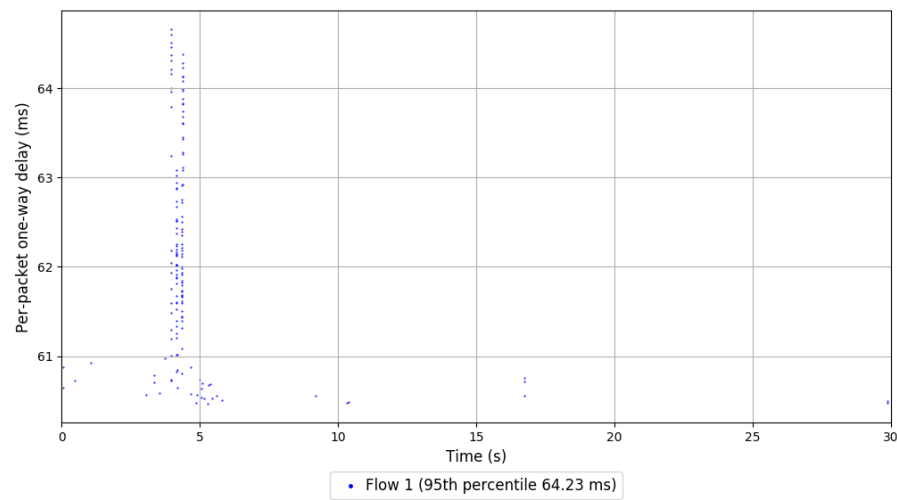
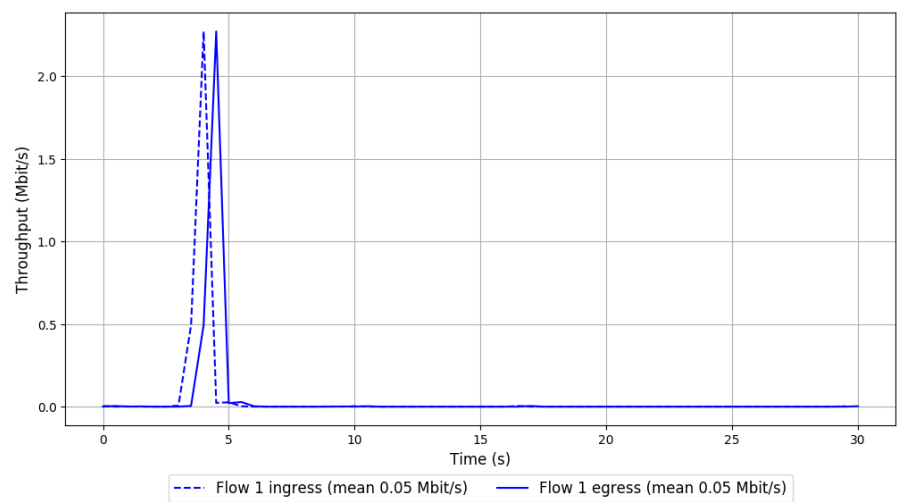


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 01:16:19
End at: 2018-05-22 01:16:49
Local clock offset: 0.739 ms
Remote clock offset: -31.533 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 64.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 64.232 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 01:36:53
End at: 2018-05-22 01:37:23
Local clock offset: 2.872 ms
Remote clock offset: -38.789 ms

Below is generated by plot.py at 2018-05-22 02:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 56.941 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

