

Pantheon Report

Generated at 2018-08-09 04:30:26 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

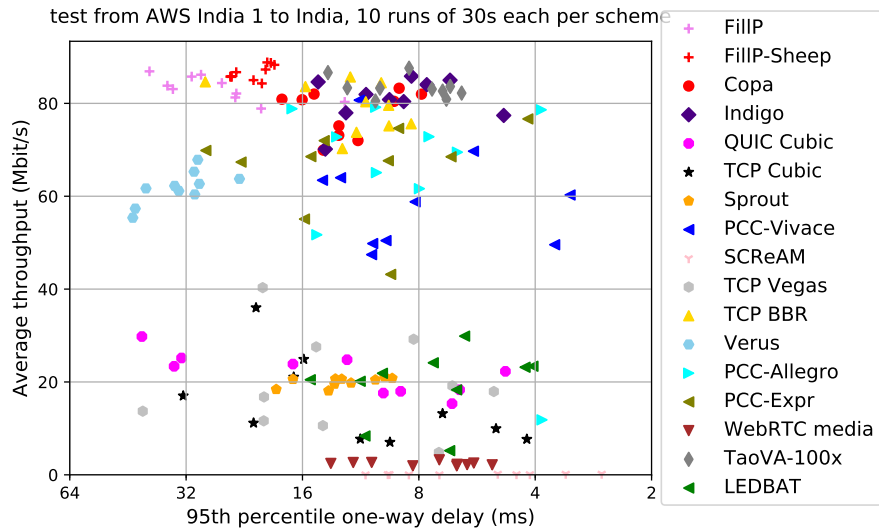
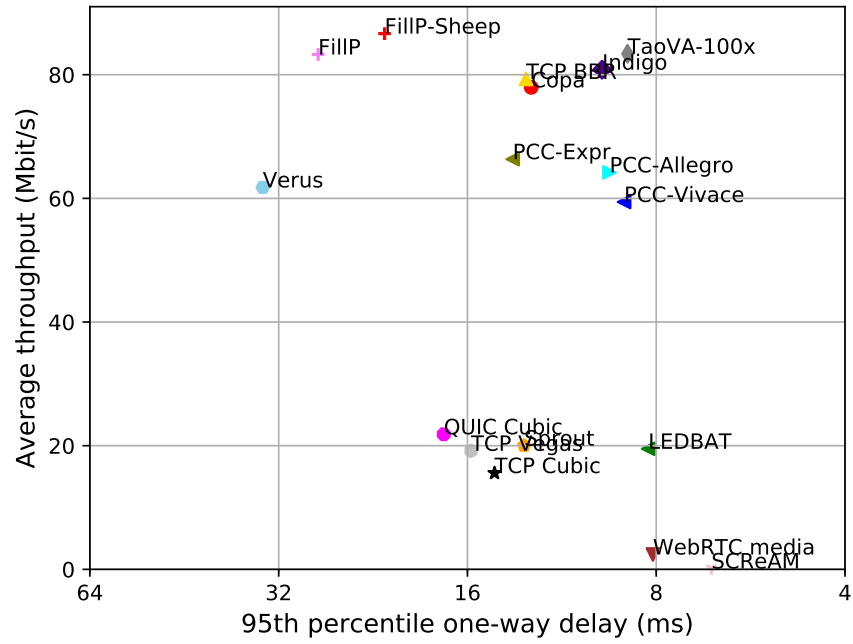
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 1 to India, 10 runs of 30s each per scheme
(mean of all runs by scheme)



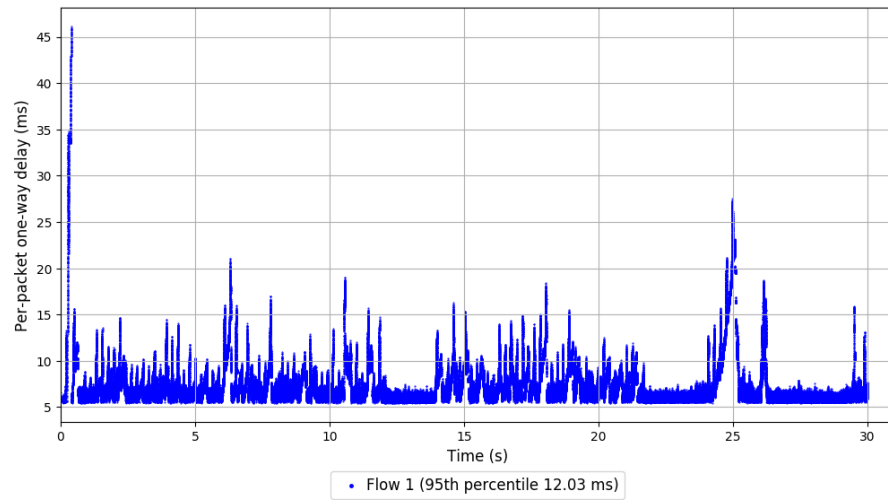
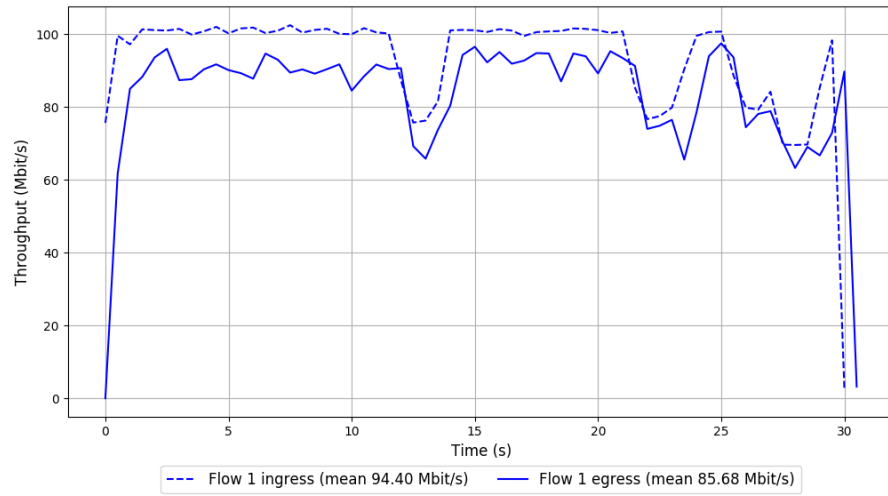
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	79.32	12.90	10.97
Copa	10	77.96	12.66	9.79
TCP Cubic	10	15.57	14.49	0.61
FillP	10	83.27	27.68	12.25
FillP-Sheep	10	86.65	21.69	11.45
Indigo	10	80.81	9.76	9.79
LEDBAT	10	19.49	8.24	0.71
PCC-Allegro	10	64.20	9.50	8.56
PCC-Expr	10	66.34	13.55	8.88
QUIC Cubic	10	21.85	17.45	1.05
SCReAM	10	0.14	6.53	1.02
Sprout	10	20.01	12.99	1.94
TaoVA-100x	10	83.38	8.89	9.79
TCP Vegas	10	19.17	15.79	1.26
Verus	10	61.77	33.92	14.04
PCC-Vivace	10	59.41	9.00	7.10
WebRTC media	10	2.40	8.10	0.93

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 01:09:22
End at: 2018-08-09 01:09:52
Local clock offset: 0.962 ms
Remote clock offset: -24.917 ms

Below is generated by plot.py at 2018-08-09 04:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 12.032 ms
Loss rate: 9.24%
-- Flow 1:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 12.032 ms
Loss rate: 9.24%

Run 1: Report of TCP BBR — Data Link

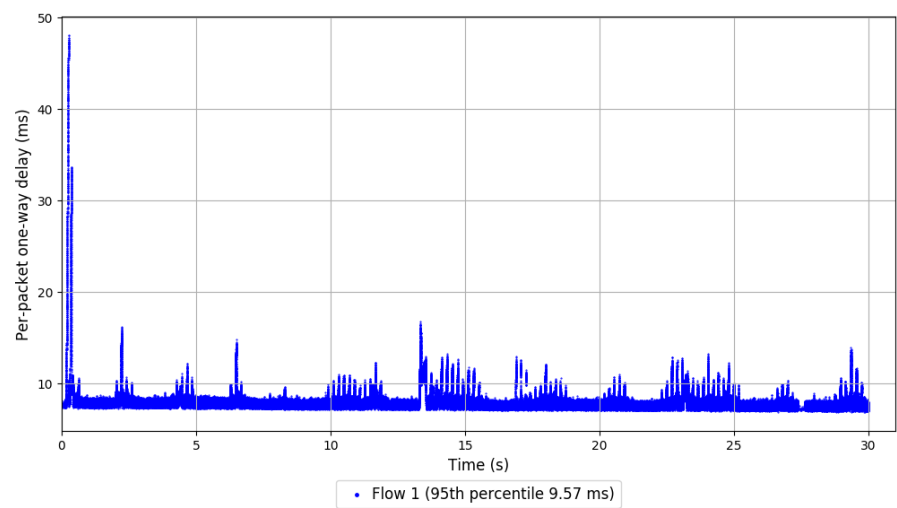
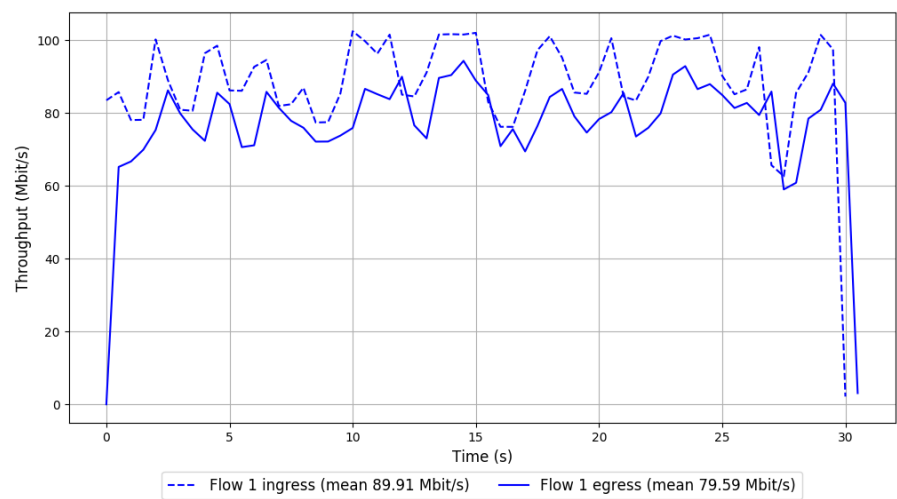


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 01:28:28
End at: 2018-08-09 01:28:58
Local clock offset: -0.641 ms
Remote clock offset: -9.864 ms

Below is generated by plot.py at 2018-08-09 04:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 9.575 ms
Loss rate: 11.48%
-- Flow 1:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 9.575 ms
Loss rate: 11.48%

Run 2: Report of TCP BBR — Data Link

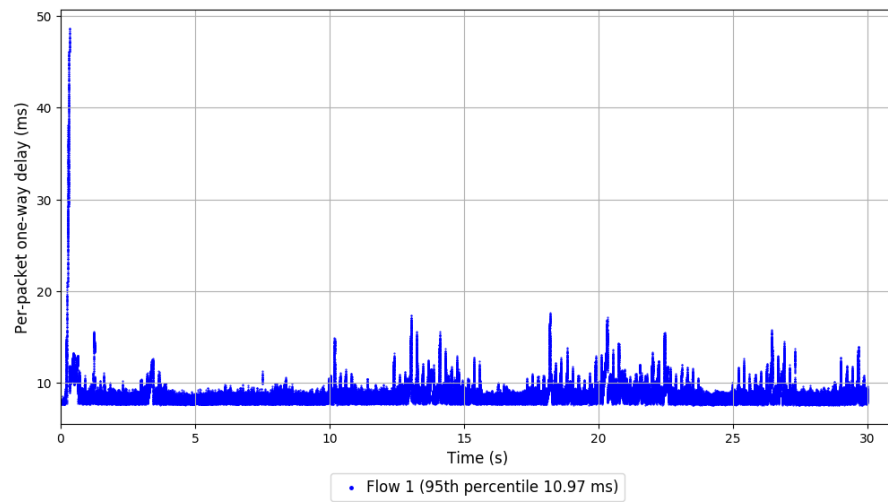
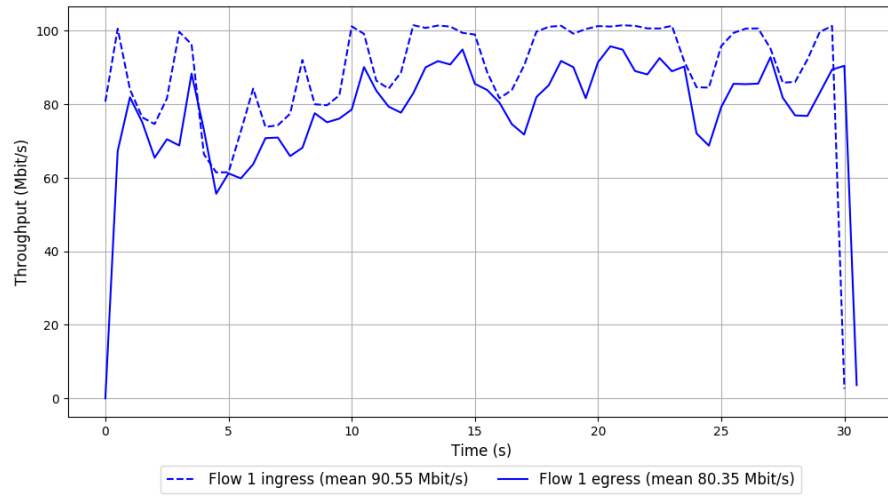


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 01:47:30
End at: 2018-08-09 01:48:00
Local clock offset: -1.075 ms
Remote clock offset: -3.339 ms

Below is generated by plot.py at 2018-08-09 04:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 10.975 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 10.975 ms
Loss rate: 11.27%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-09 02:06:43

End at: 2018-08-09 02:07:13

Local clock offset: 1.957 ms

Remote clock offset: -7.482 ms

Below is generated by plot.py at 2018-08-09 04:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 10.009 ms

Loss rate: 9.18%

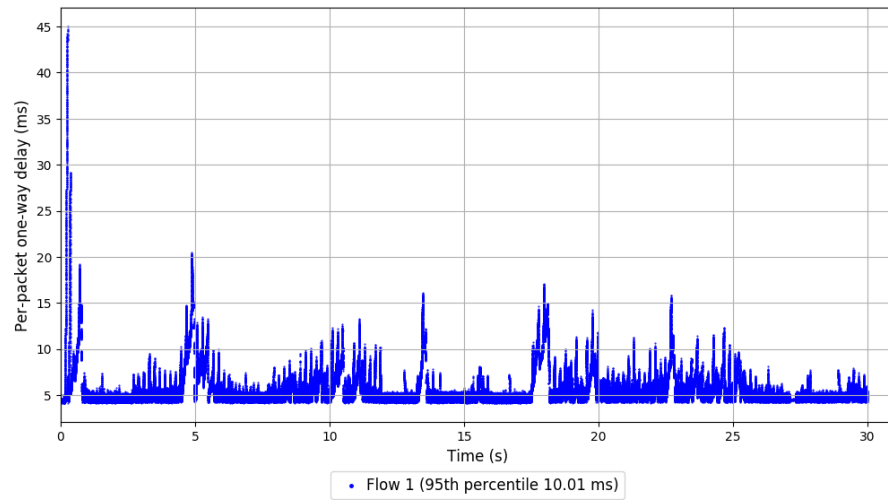
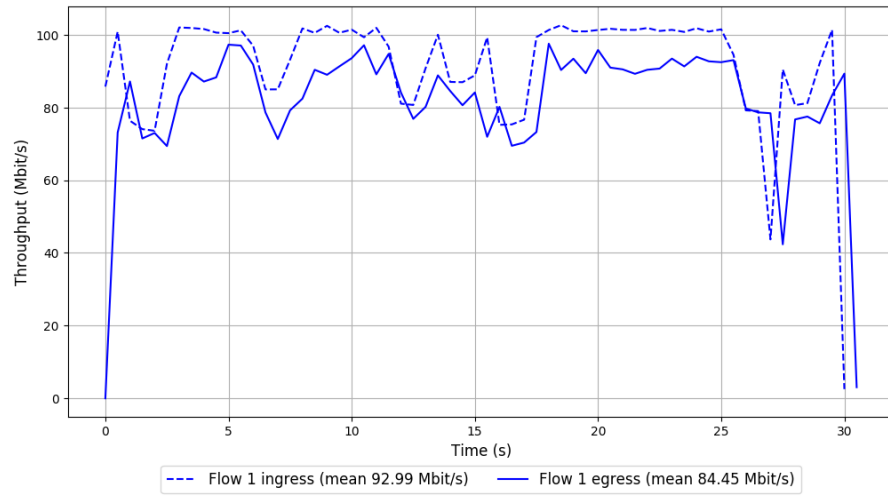
-- Flow 1:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 10.009 ms

Loss rate: 9.18%

Run 4: Report of TCP BBR — Data Link

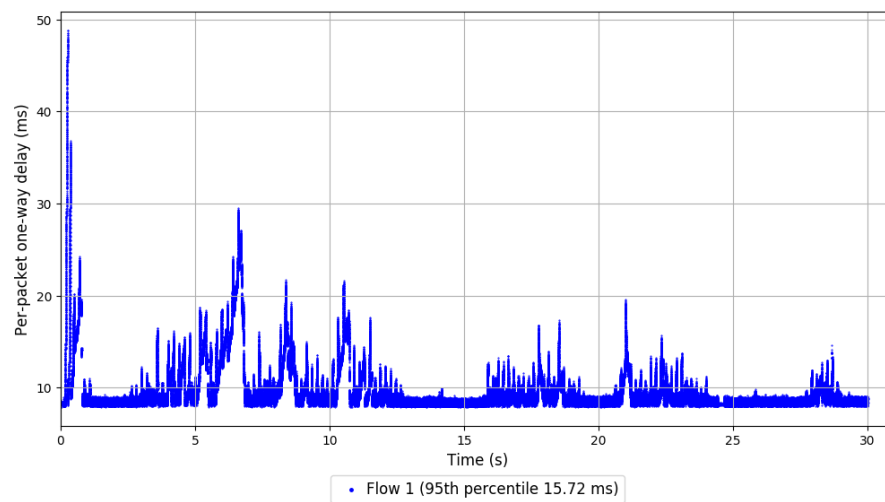
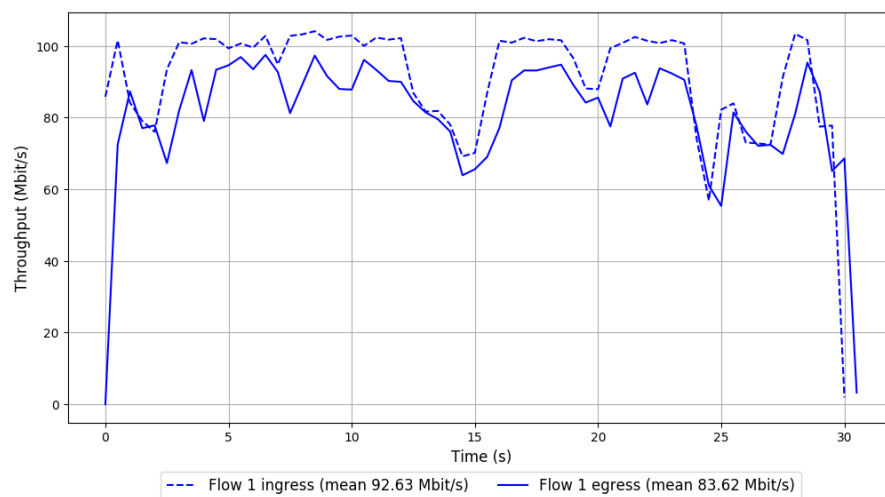


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 02:25:46
End at: 2018-08-09 02:26:16
Local clock offset: -1.237 ms
Remote clock offset: -8.168 ms

Below is generated by plot.py at 2018-08-09 04:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 15.722 ms
Loss rate: 9.72%
-- Flow 1:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 15.722 ms
Loss rate: 9.72%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-09 02:44:53

End at: 2018-08-09 02:45:23

Local clock offset: 2.635 ms

Remote clock offset: -7.453 ms

Below is generated by plot.py at 2018-08-09 04:14:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 8.374 ms

Loss rate: 14.08%

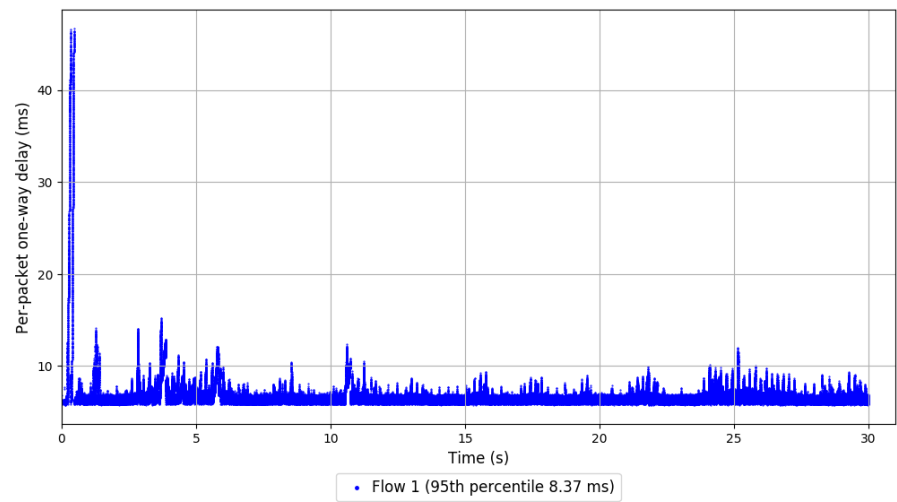
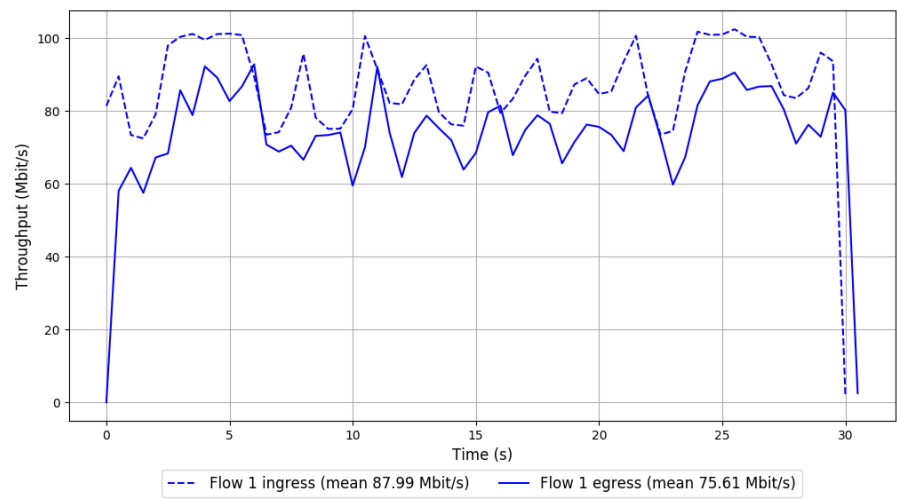
-- Flow 1:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 8.374 ms

Loss rate: 14.08%

Run 6: Report of TCP BBR — Data Link

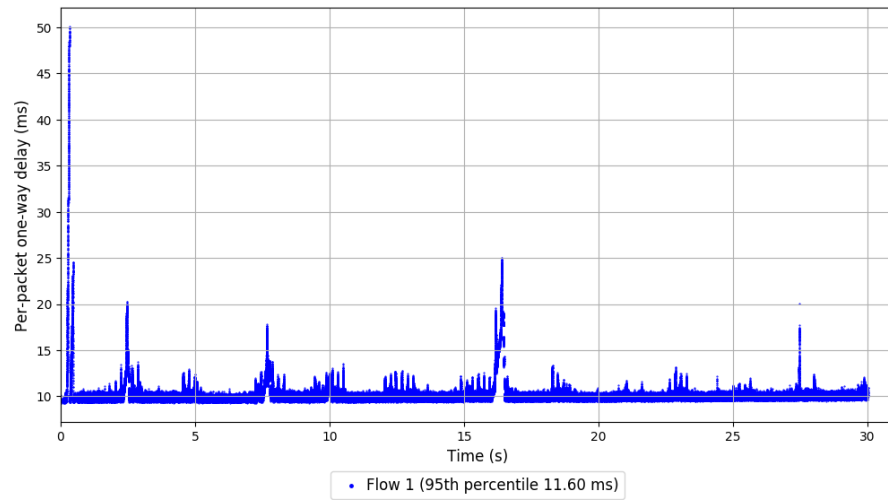
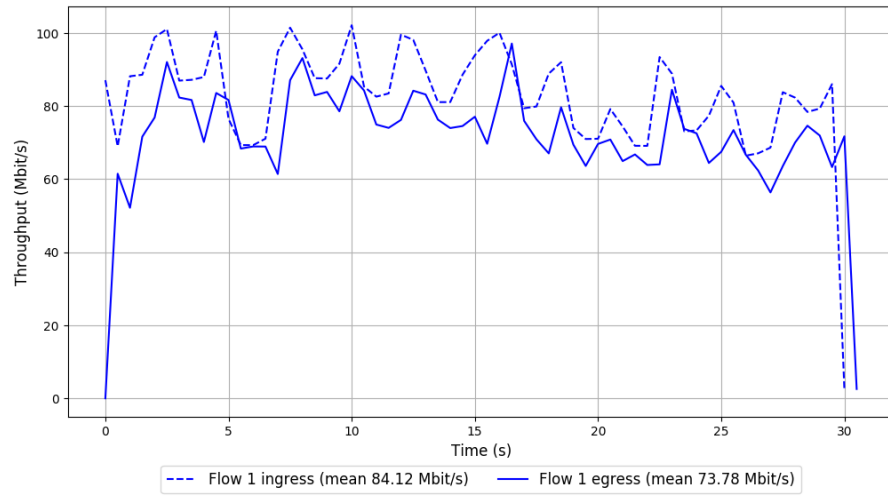


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 03:04:01
End at: 2018-08-09 03:04:31
Local clock offset: -0.967 ms
Remote clock offset: -8.221 ms

Below is generated by plot.py at 2018-08-09 04:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 11.600 ms
Loss rate: 12.30%
-- Flow 1:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 11.600 ms
Loss rate: 12.30%

Run 7: Report of TCP BBR — Data Link

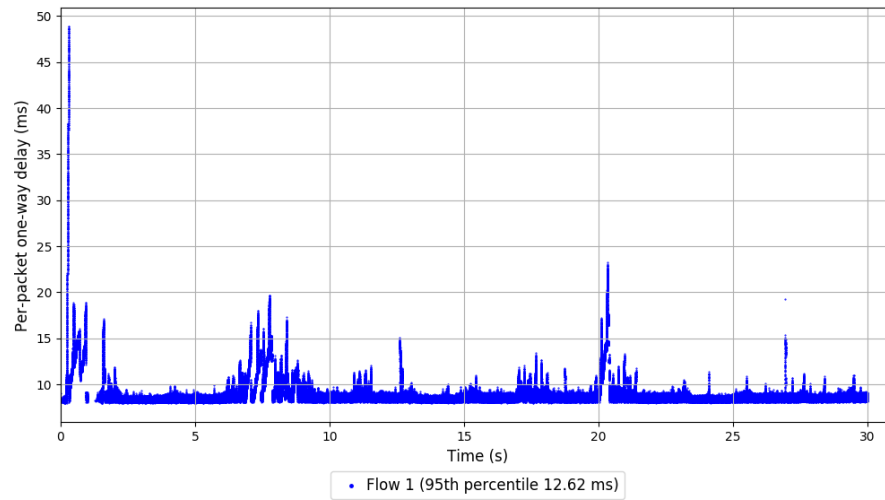
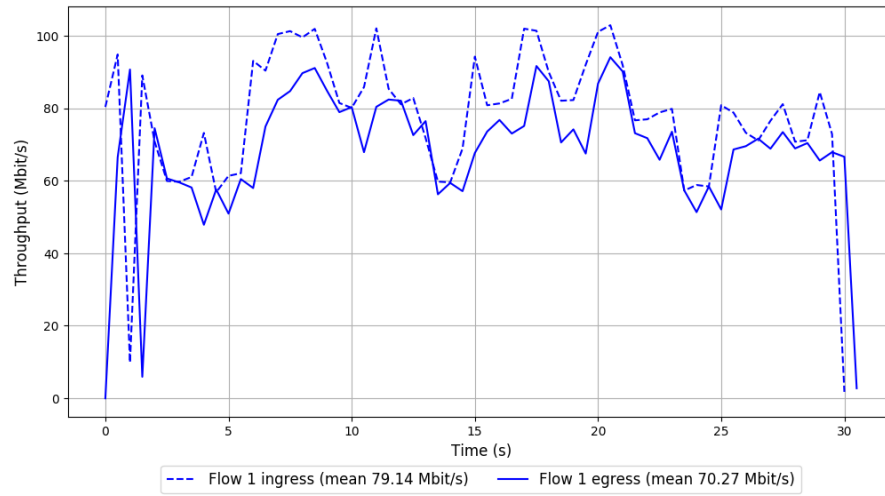


Run 8: Statistics of TCP BBR

Start at: 2018-08-09 03:23:09
End at: 2018-08-09 03:23:39
Local clock offset: 0.94 ms
Remote clock offset: -13.439 ms

Below is generated by plot.py at 2018-08-09 04:14:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 12.618 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 12.618 ms
Loss rate: 11.21%

Run 8: Report of TCP BBR — Data Link

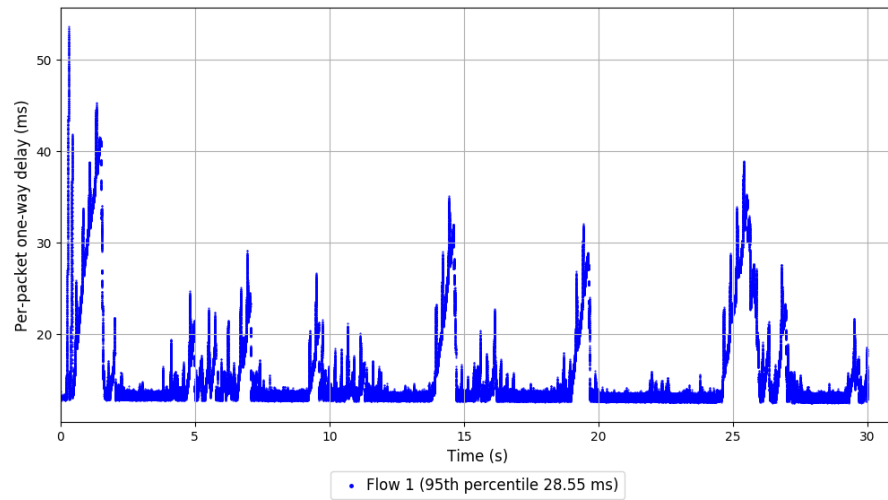
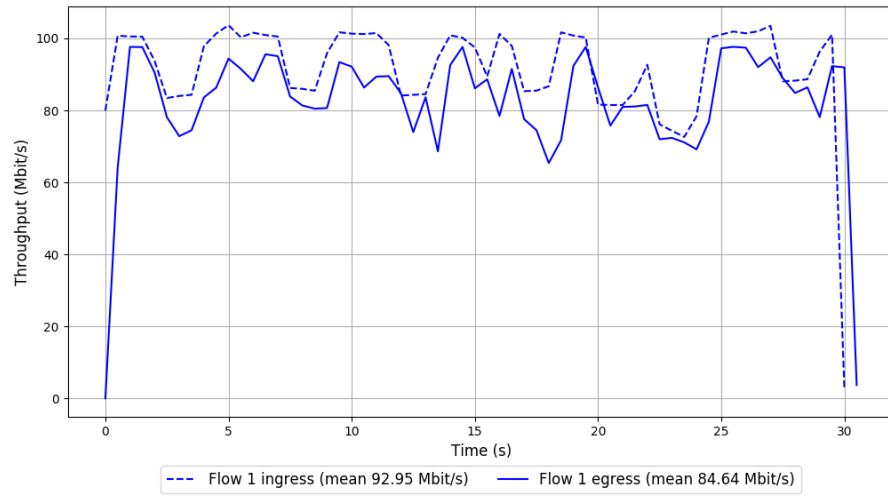


Run 9: Statistics of TCP BBR

Start at: 2018-08-09 03:42:07
End at: 2018-08-09 03:42:37
Local clock offset: -1.064 ms
Remote clock offset: -9.666 ms

Below is generated by plot.py at 2018-08-09 04:15:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 28.545 ms
Loss rate: 8.96%
-- Flow 1:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 28.545 ms
Loss rate: 8.96%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 04:01:21

End at: 2018-08-09 04:01:51

Local clock offset: 1.512 ms

Remote clock offset: -3.48 ms

Below is generated by plot.py at 2018-08-09 04:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 9.559 ms

Loss rate: 12.27%

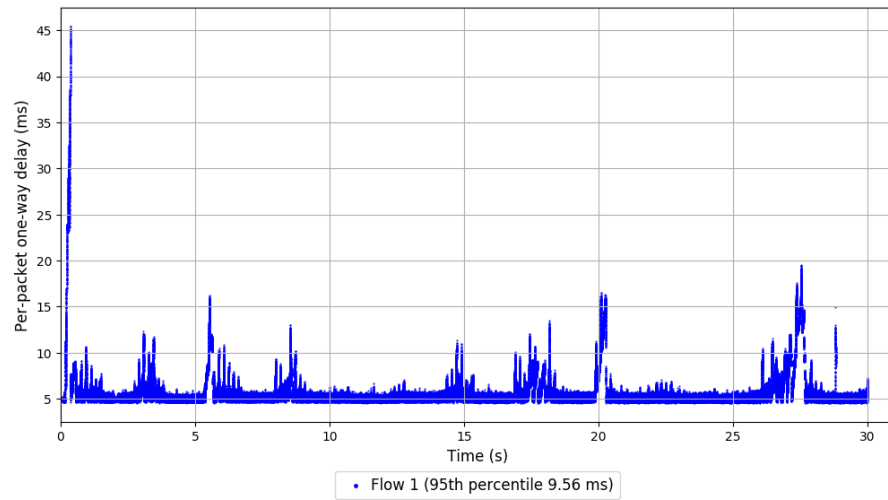
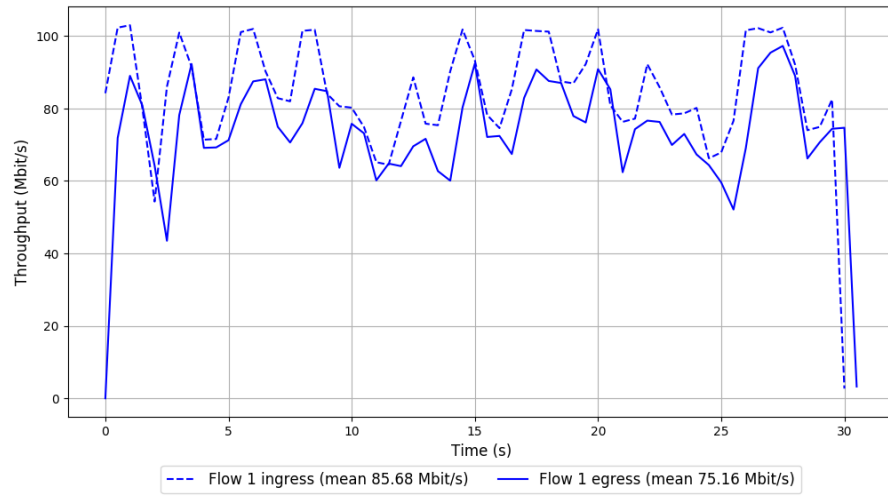
-- Flow 1:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 9.559 ms

Loss rate: 12.27%

Run 10: Report of TCP BBR — Data Link

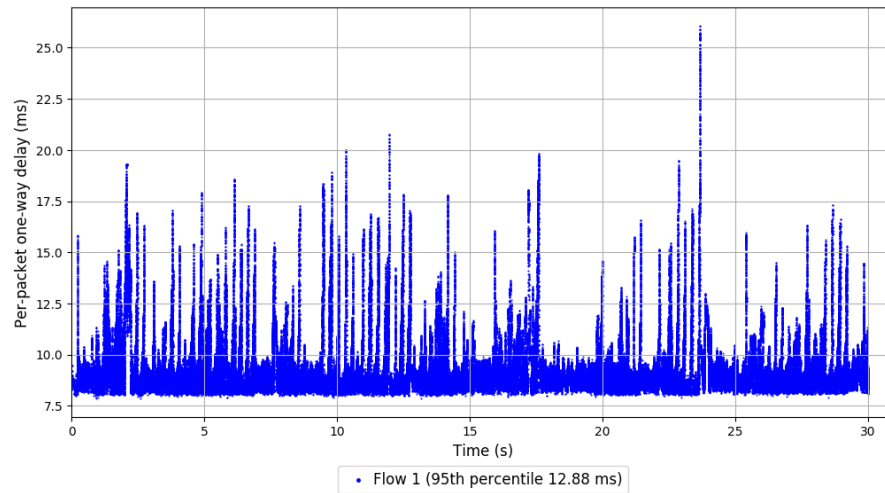
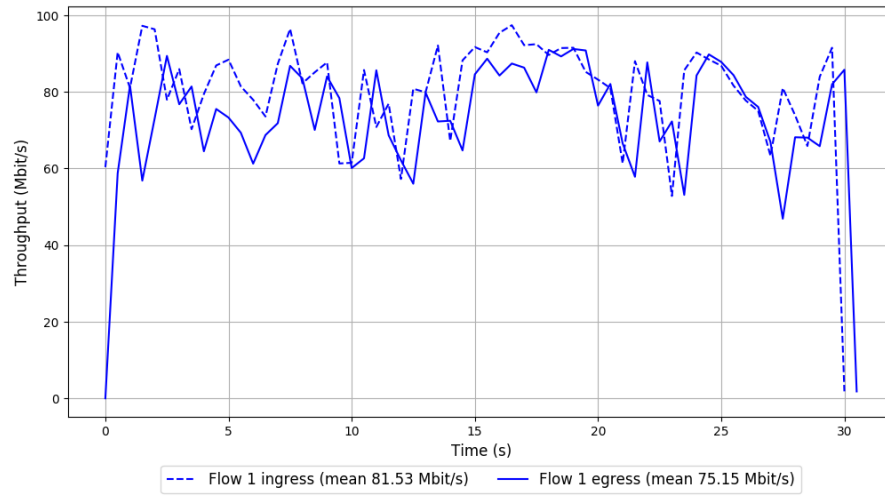


Run 1: Statistics of Copa

Start at: 2018-08-09 01:18:17
End at: 2018-08-09 01:18:47
Local clock offset: -0.485 ms
Remote clock offset: -24.829 ms

Below is generated by plot.py at 2018-08-09 04:15:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 12.882 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 75.15 Mbit/s
95th percentile per-packet one-way delay: 12.882 ms
Loss rate: 7.82%

Run 1: Report of Copa — Data Link

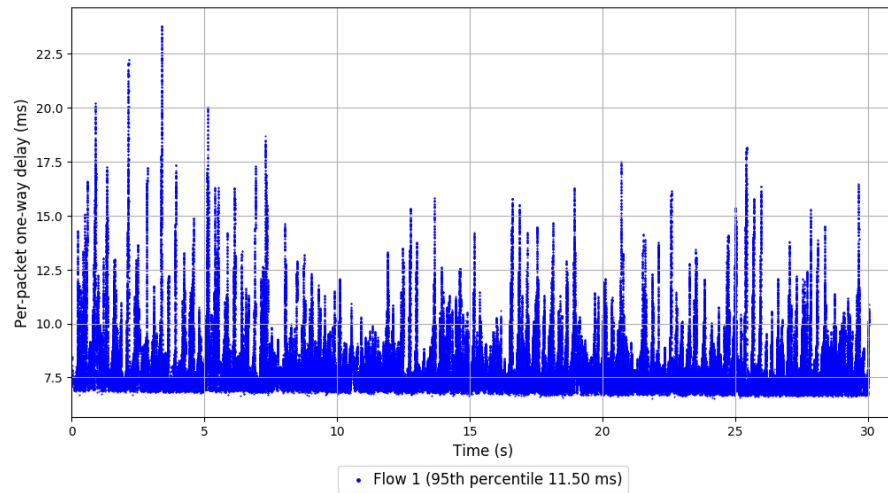
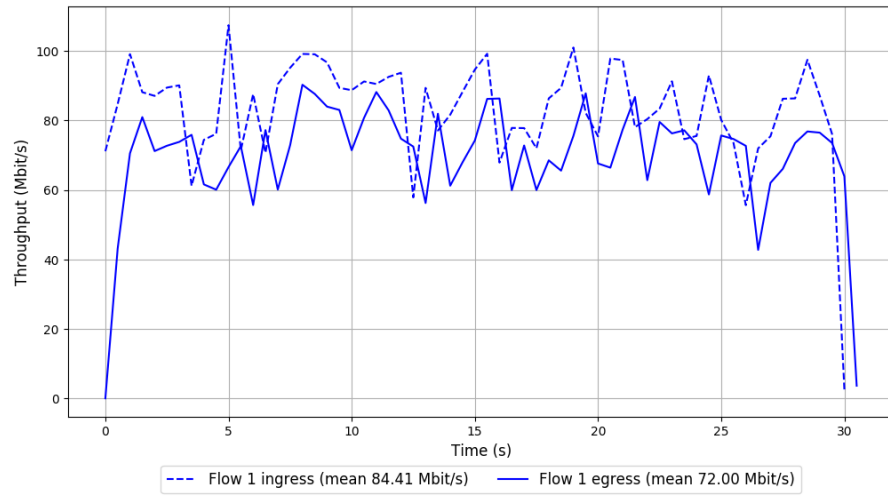


Run 2: Statistics of Copa

Start at: 2018-08-09 01:37:19
End at: 2018-08-09 01:37:49
Local clock offset: -1.216 ms
Remote clock offset: -7.708 ms

Below is generated by plot.py at 2018-08-09 04:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 11.498 ms
Loss rate: 14.71%
-- Flow 1:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 11.498 ms
Loss rate: 14.71%

Run 2: Report of Copa — Data Link

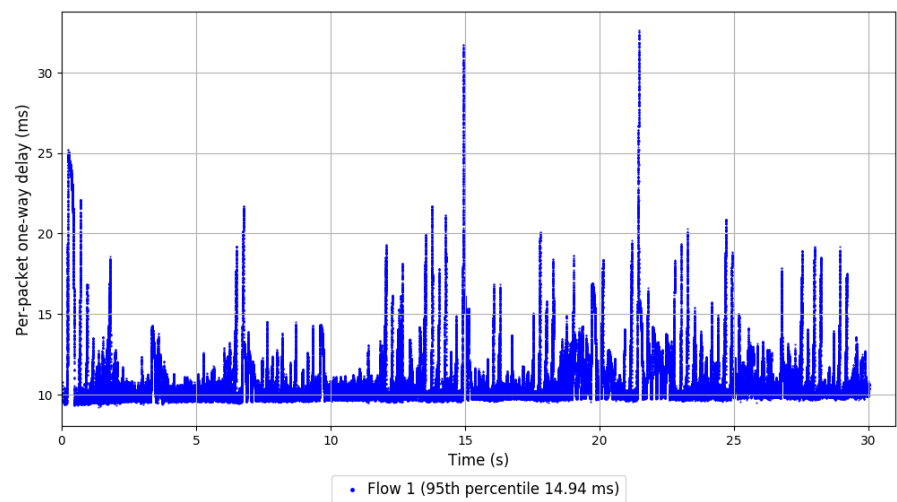
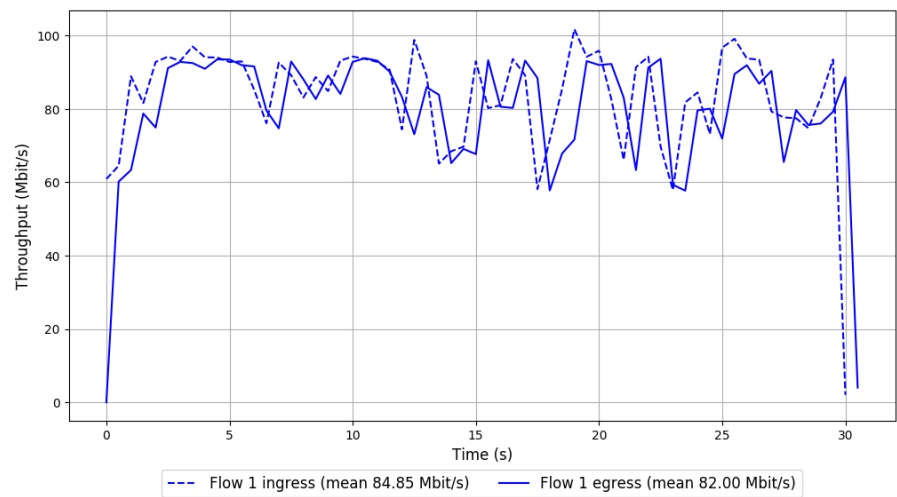


Run 3: Statistics of Copa

Start at: 2018-08-09 01:56:26
End at: 2018-08-09 01:56:56
Local clock offset: -3.871 ms
Remote clock offset: -3.802 ms

Below is generated by plot.py at 2018-08-09 04:16:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 14.936 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 14.936 ms
Loss rate: 3.35%

Run 3: Report of Copa — Data Link

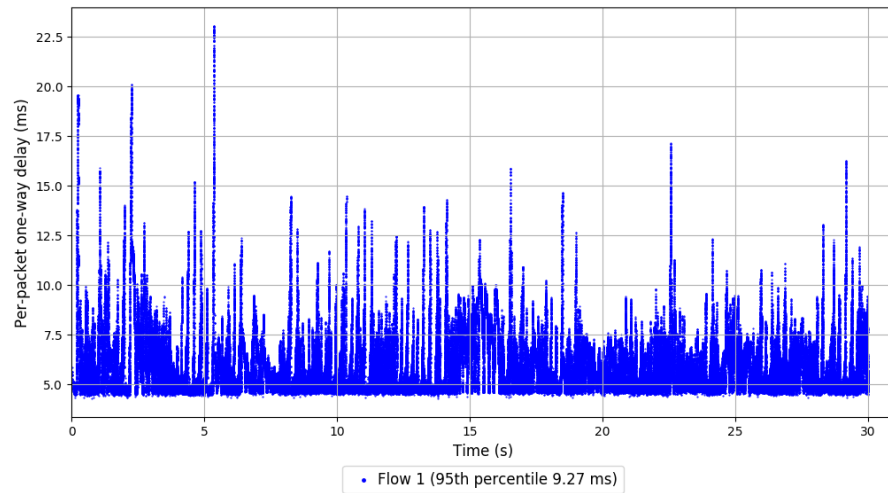
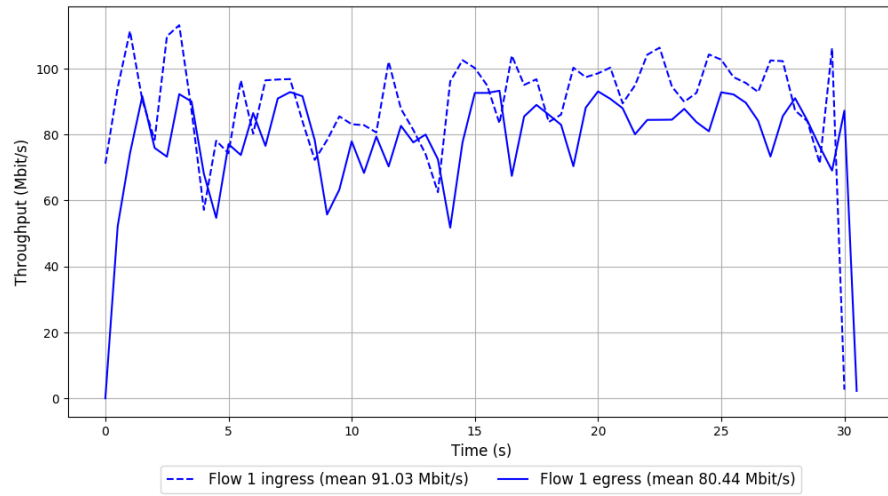


Run 4: Statistics of Copa

Start at: 2018-08-09 02:15:37
End at: 2018-08-09 02:16:07
Local clock offset: 0.64 ms
Remote clock offset: -9.527 ms

Below is generated by plot.py at 2018-08-09 04:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 9.270 ms
Loss rate: 11.64%
-- Flow 1:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 9.270 ms
Loss rate: 11.64%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 02:34:40

End at: 2018-08-09 02:35:10

Local clock offset: 2.039 ms

Remote clock offset: -7.3 ms

Below is generated by plot.py at 2018-08-09 04:16:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 12.890 ms

Loss rate: 10.60%

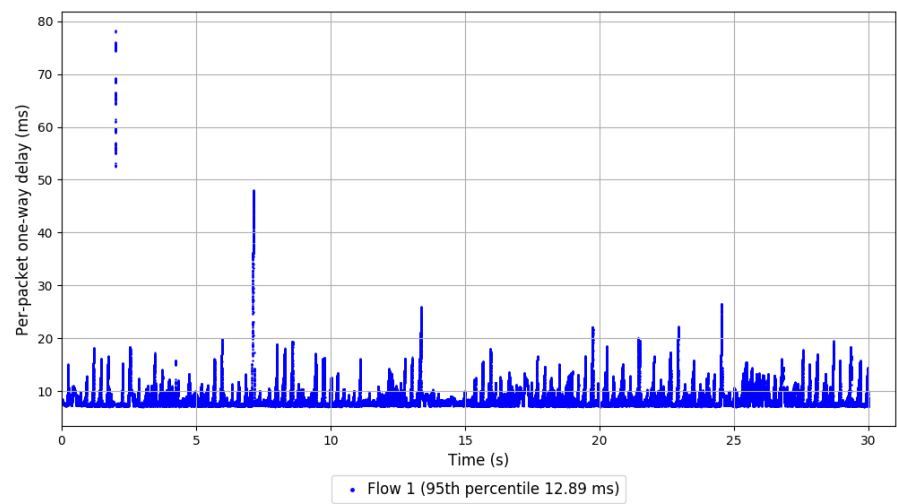
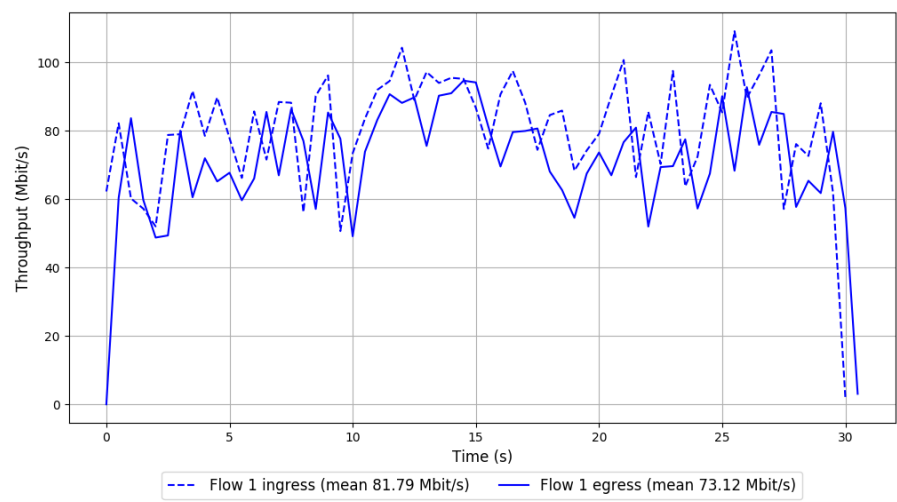
-- Flow 1:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 12.890 ms

Loss rate: 10.60%

Run 5: Report of Copa — Data Link

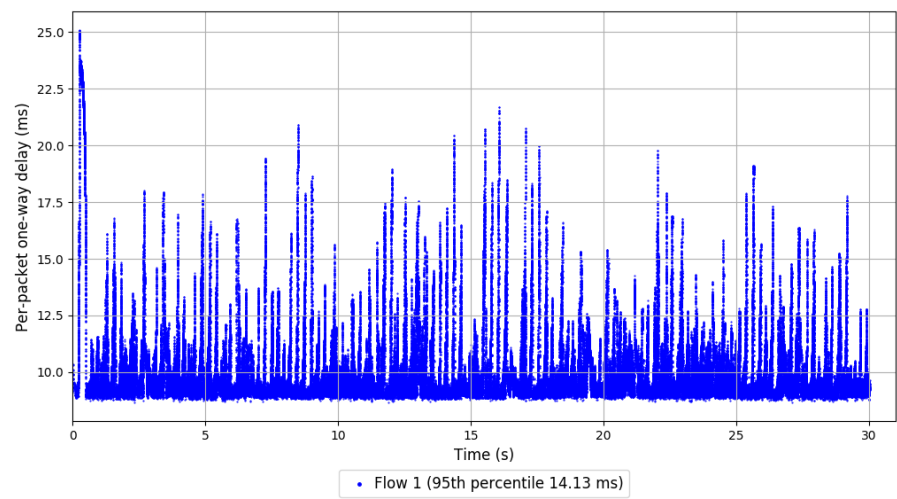
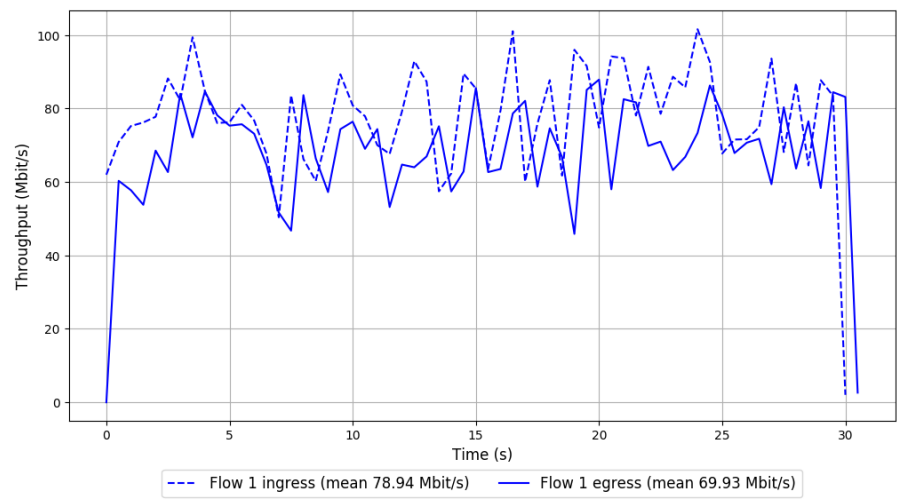


Run 6: Statistics of Copa

Start at: 2018-08-09 02:53:52
End at: 2018-08-09 02:54:22
Local clock offset: -0.773 ms
Remote clock offset: -7.215 ms

Below is generated by plot.py at 2018-08-09 04:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 14.134 ms
Loss rate: 11.42%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 14.134 ms
Loss rate: 11.42%

Run 6: Report of Copa — Data Link

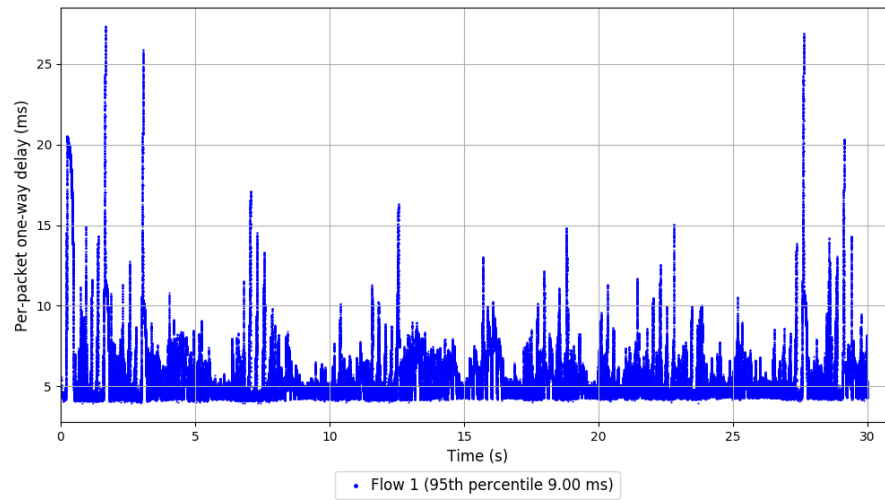
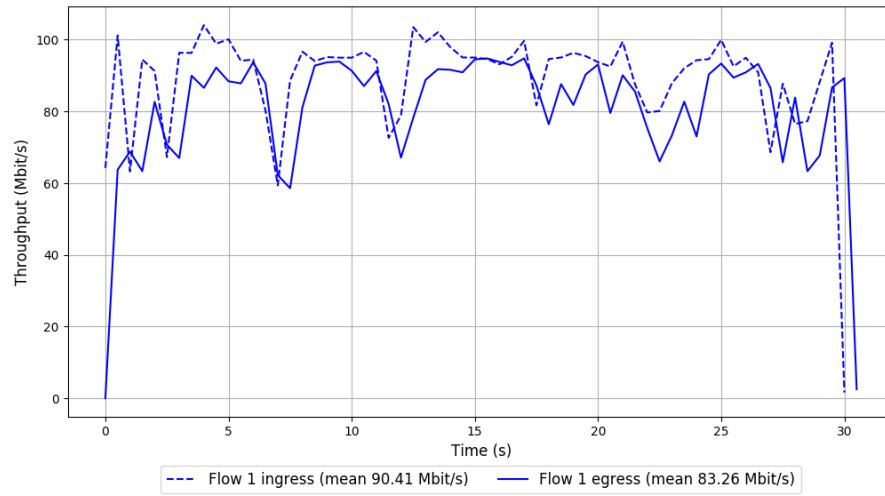


Run 7: Statistics of Copa

Start at: 2018-08-09 03:12:57
End at: 2018-08-09 03:13:27
Local clock offset: 1.901 ms
Remote clock offset: -11.679 ms

Below is generated by plot.py at 2018-08-09 04:17:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 8.996 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 8.996 ms
Loss rate: 7.91%

Run 7: Report of Copa — Data Link

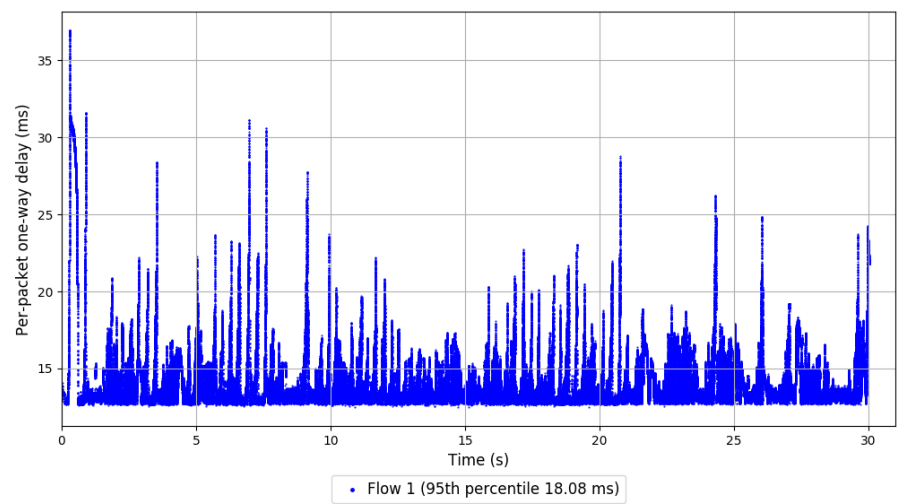
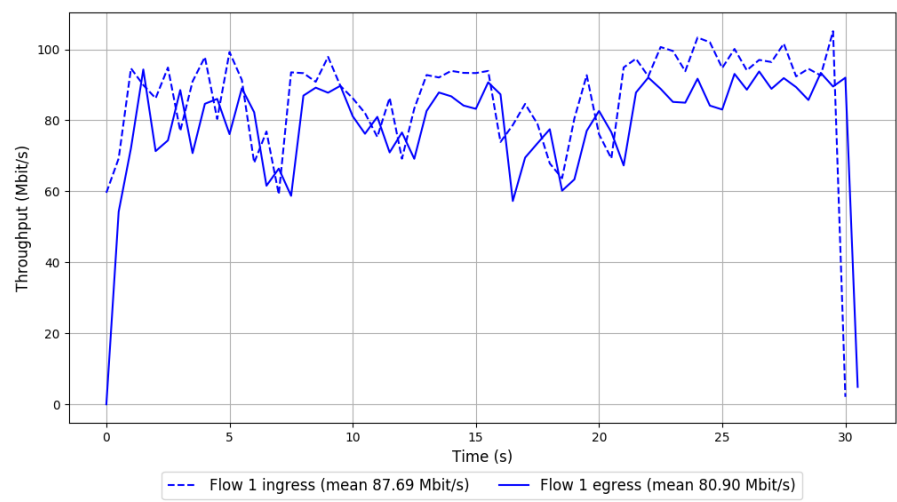


Run 8: Statistics of Copa

Start at: 2018-08-09 03:32:00
End at: 2018-08-09 03:32:30
Local clock offset: 0.477 ms
Remote clock offset: -13.603 ms

Below is generated by plot.py at 2018-08-09 04:17:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 18.082 ms
Loss rate: 7.74%
-- Flow 1:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 18.082 ms
Loss rate: 7.74%

Run 8: Report of Copa — Data Link

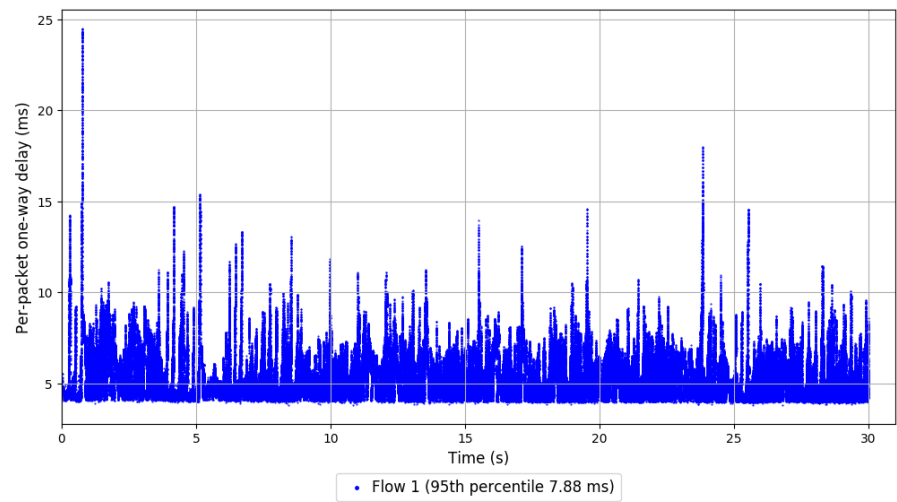
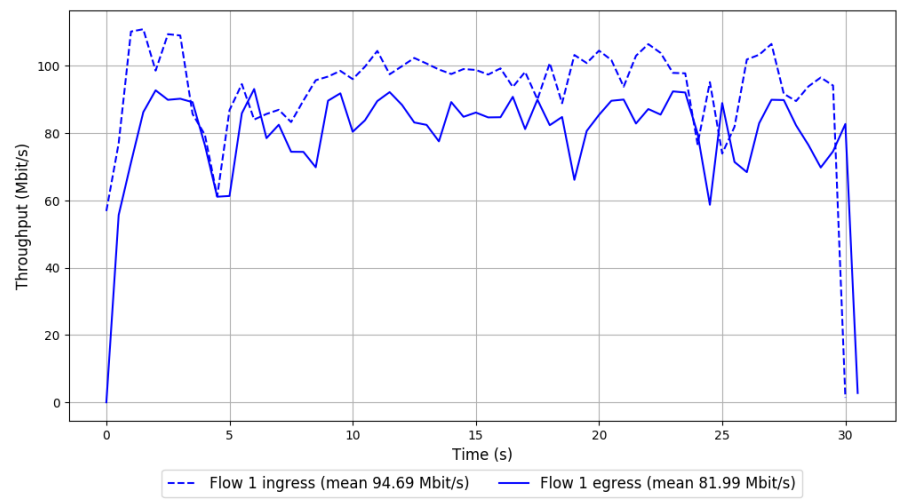


Run 9: Statistics of Copa

Start at: 2018-08-09 03:51:07
End at: 2018-08-09 03:51:37
Local clock offset: 1.812 ms
Remote clock offset: -5.239 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 7.876 ms
Loss rate: 13.41%
-- Flow 1:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 7.876 ms
Loss rate: 13.41%

Run 9: Report of Copa — Data Link

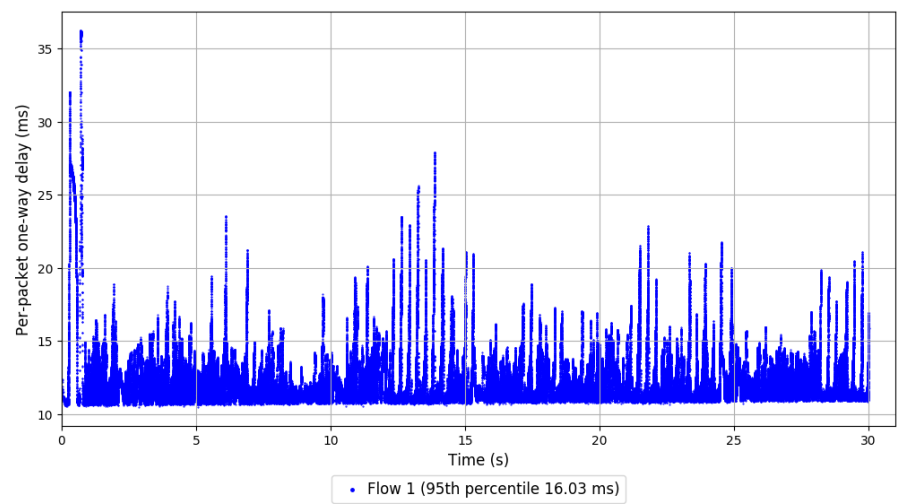
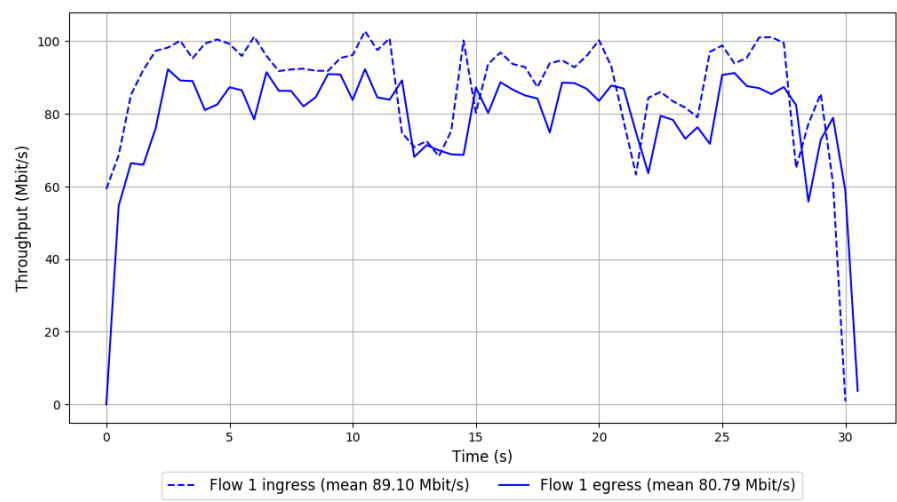


Run 10: Statistics of Copa

Start at: 2018-08-09 04:10:17
End at: 2018-08-09 04:10:47
Local clock offset: 2.093 ms
Remote clock offset: -3.387 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 16.031 ms
Loss rate: 9.34%
-- Flow 1:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 16.031 ms
Loss rate: 9.34%

Run 10: Report of Copa — Data Link

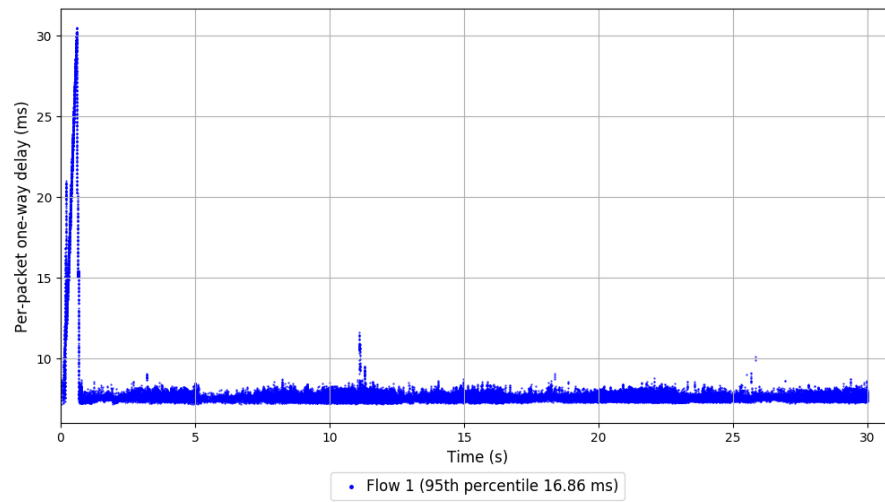
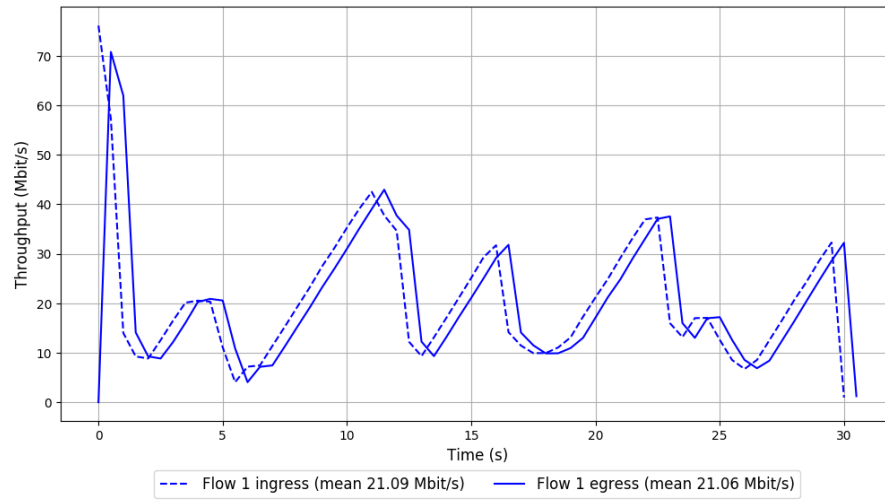


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 01:07:10
End at: 2018-08-09 01:07:40
Local clock offset: 0.534 ms
Remote clock offset: -23.381 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.06 Mbit/s
95th percentile per-packet one-way delay: 16.862 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.06 Mbit/s
95th percentile per-packet one-way delay: 16.862 ms
Loss rate: 0.13%

Run 1: Report of TCP Cubic — Data Link

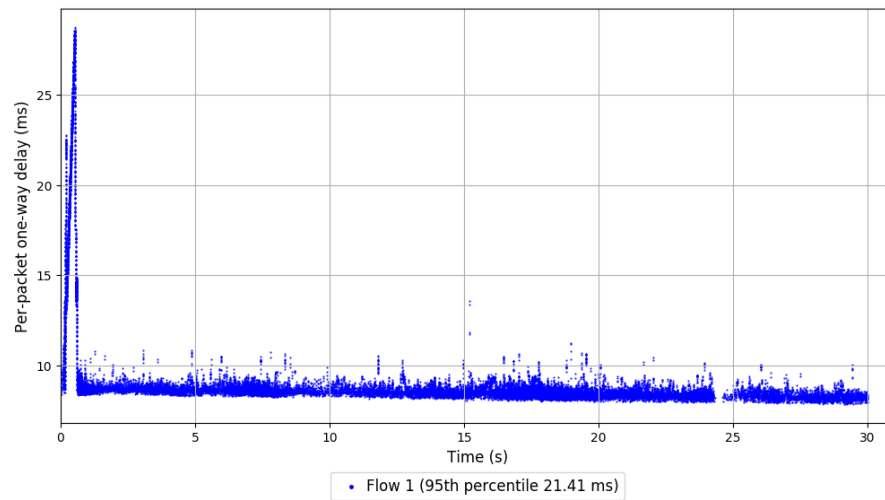
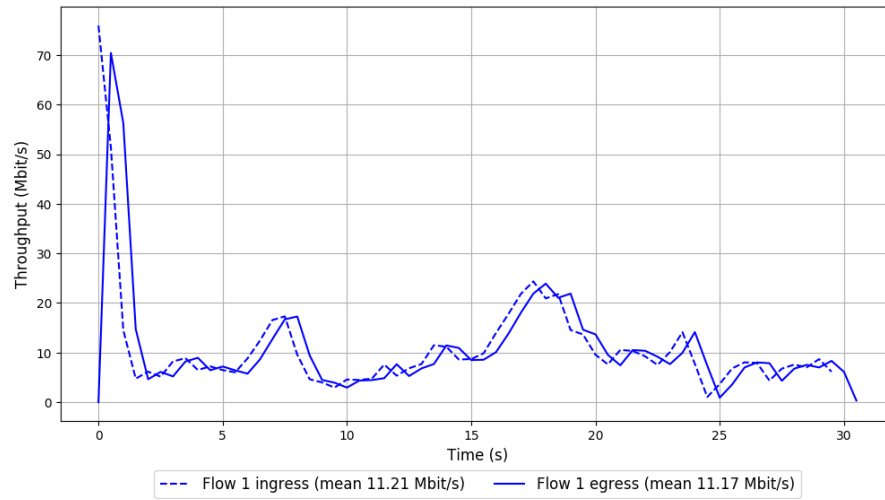


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 01:26:17
End at: 2018-08-09 01:26:47
Local clock offset: -1.674 ms
Remote clock offset: -14.415 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 21.413 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 21.413 ms
Loss rate: 0.35%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 01:45:19

End at: 2018-08-09 01:45:49

Local clock offset: 0.46 ms

Remote clock offset: -3.25 ms

Below is generated by plot.py at 2018-08-09 04:17:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 5.052 ms

Loss rate: 0.90%

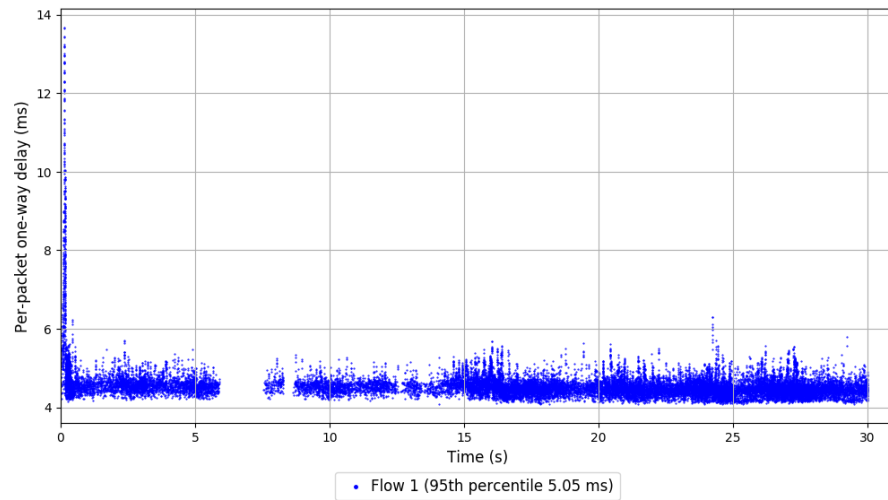
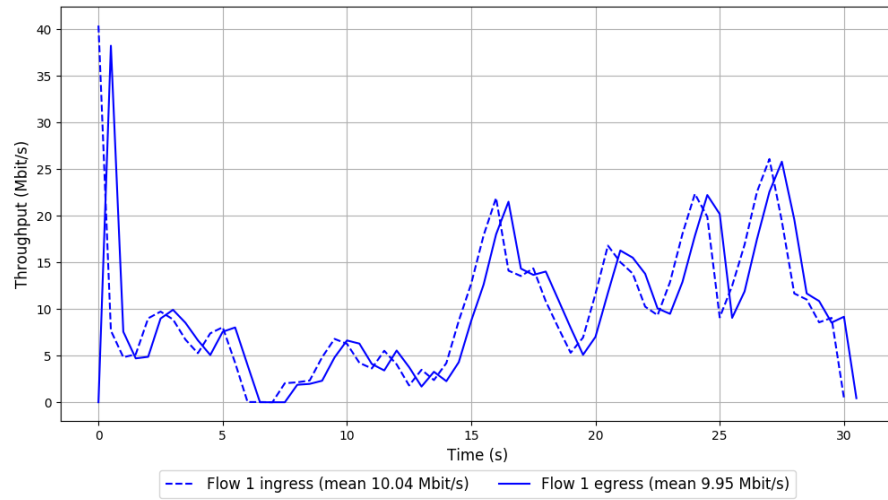
-- Flow 1:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 5.052 ms

Loss rate: 0.90%

Run 3: Report of TCP Cubic — Data Link

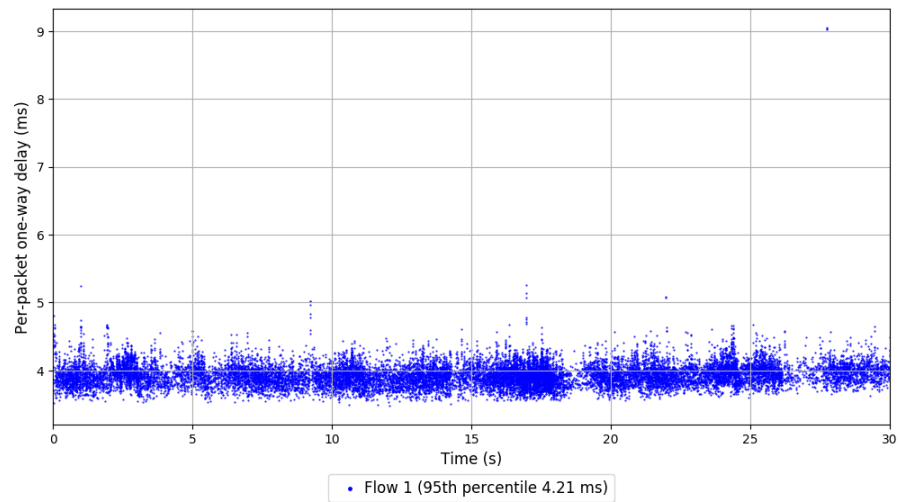
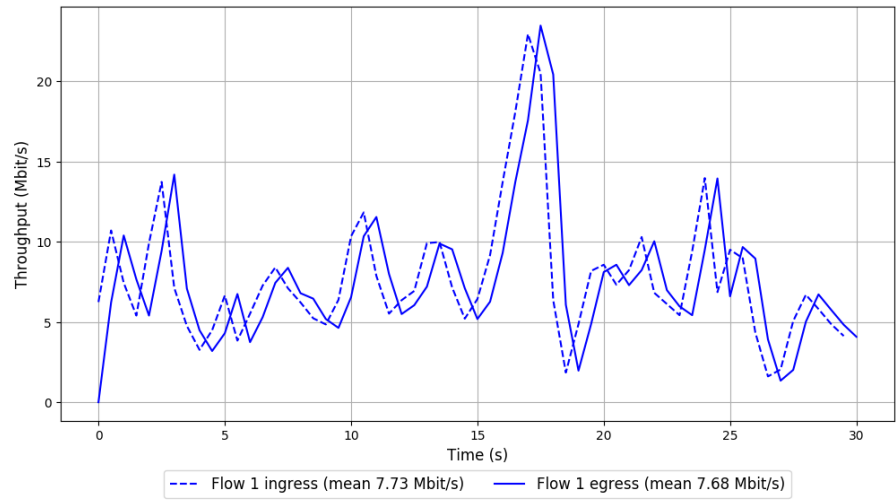


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 02:04:30
End at: 2018-08-09 02:05:00
Local clock offset: 1.778 ms
Remote clock offset: -7.799 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 4.205 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 4.205 ms
Loss rate: 0.71%

Run 4: Report of TCP Cubic — Data Link

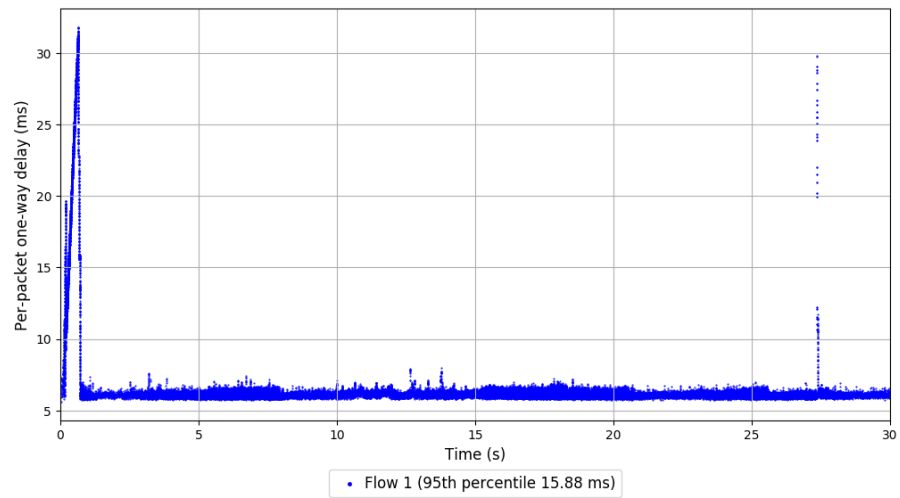
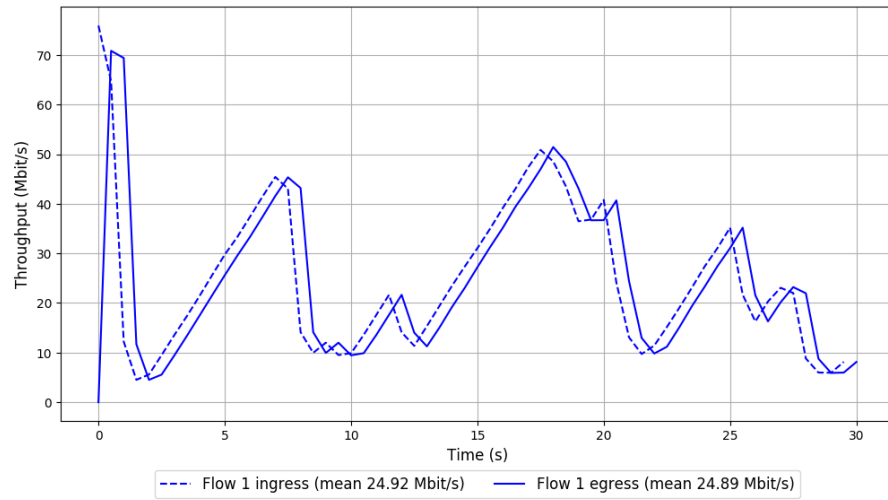


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 02:23:33
End at: 2018-08-09 02:24:03
Local clock offset: 2.187 ms
Remote clock offset: -9.334 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 15.883 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 15.883 ms
Loss rate: 0.11%

Run 5: Report of TCP Cubic — Data Link

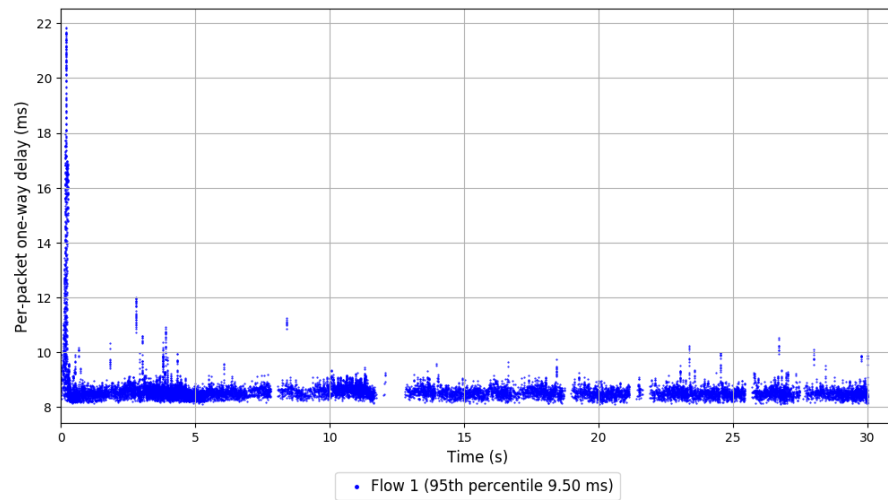
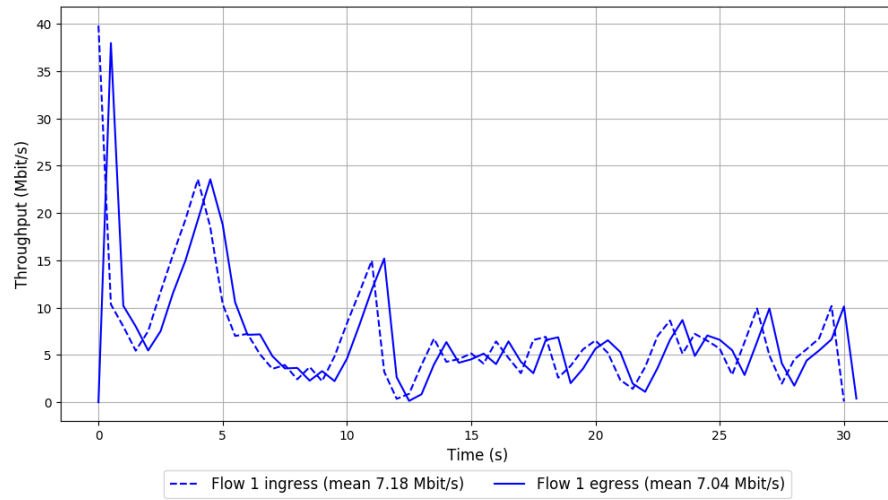


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 02:42:41
End at: 2018-08-09 02:43:11
Local clock offset: 0.953 ms
Remote clock offset: -6.902 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 9.504 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 9.504 ms
Loss rate: 1.96%

Run 6: Report of TCP Cubic — Data Link

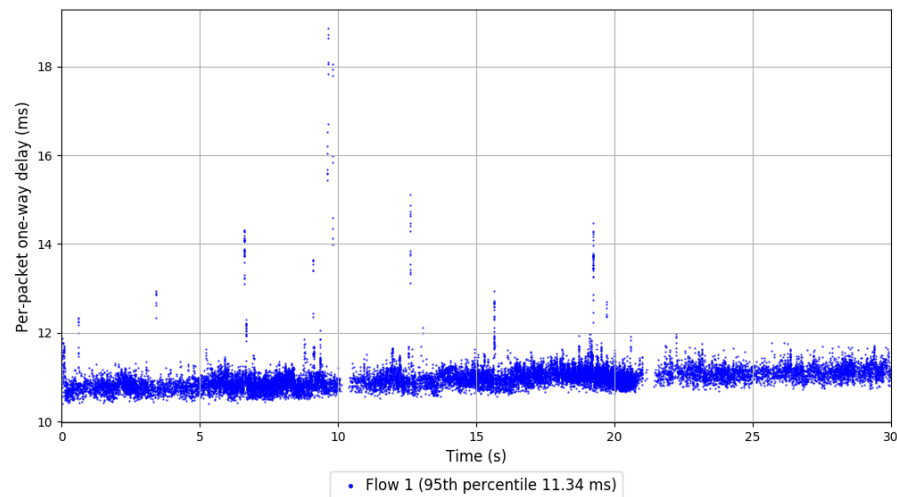
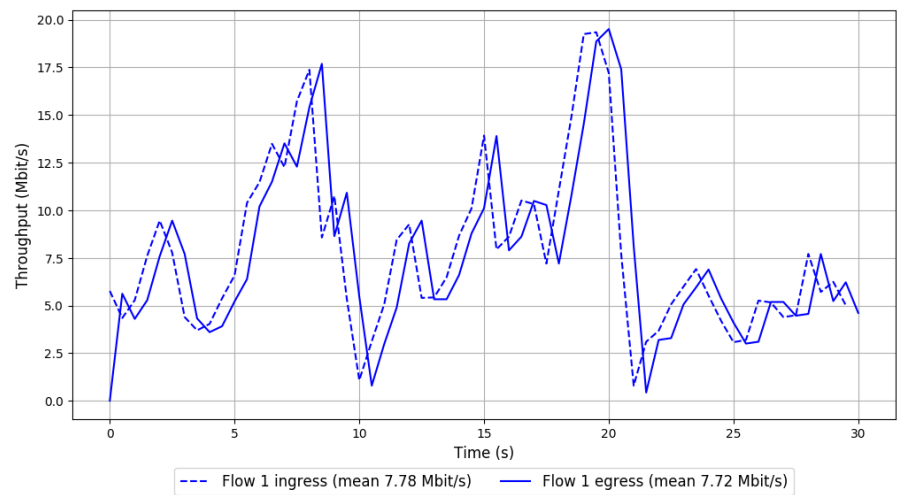


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 03:01:50
End at: 2018-08-09 03:02:20
Local clock offset: -1.656 ms
Remote clock offset: -6.312 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 11.335 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 11.335 ms
Loss rate: 0.76%

Run 7: Report of TCP Cubic — Data Link

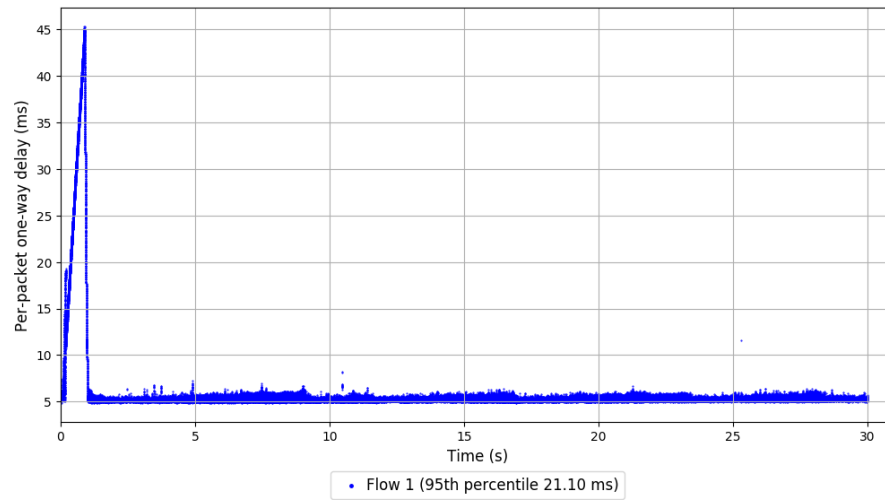
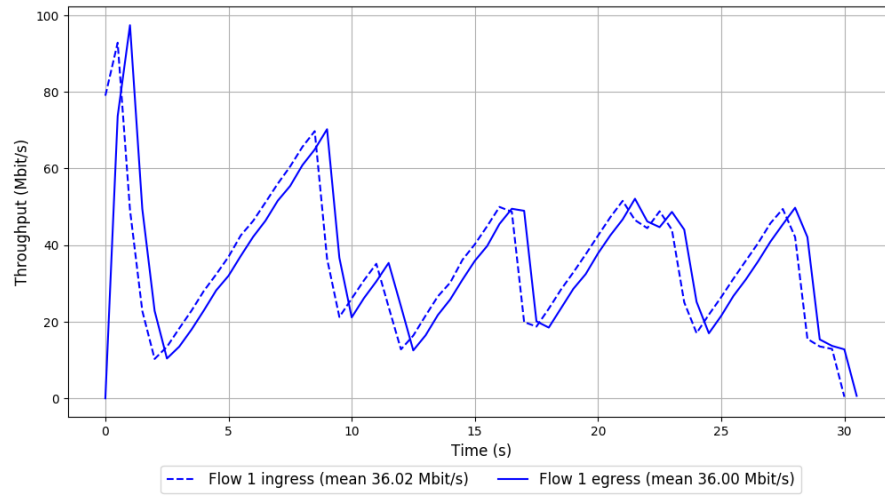


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 03:20:57
End at: 2018-08-09 03:21:27
Local clock offset: 1.207 ms
Remote clock offset: -13.446 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 21.100 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 21.100 ms
Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link

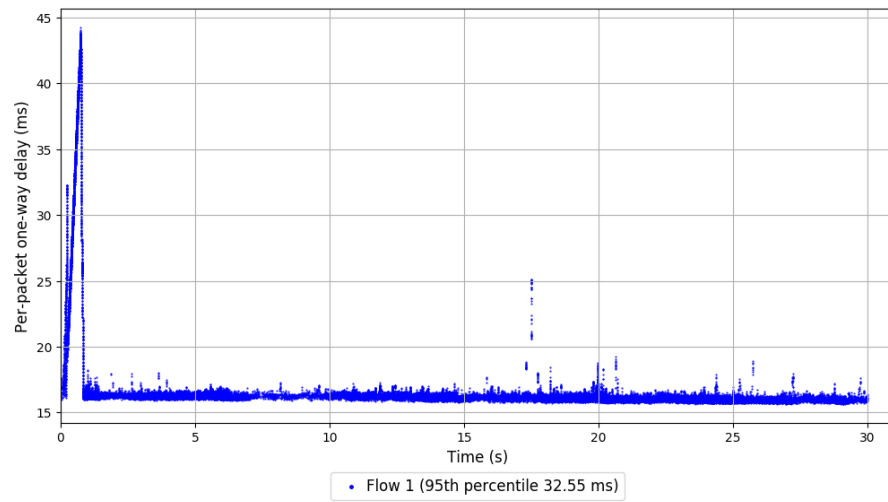
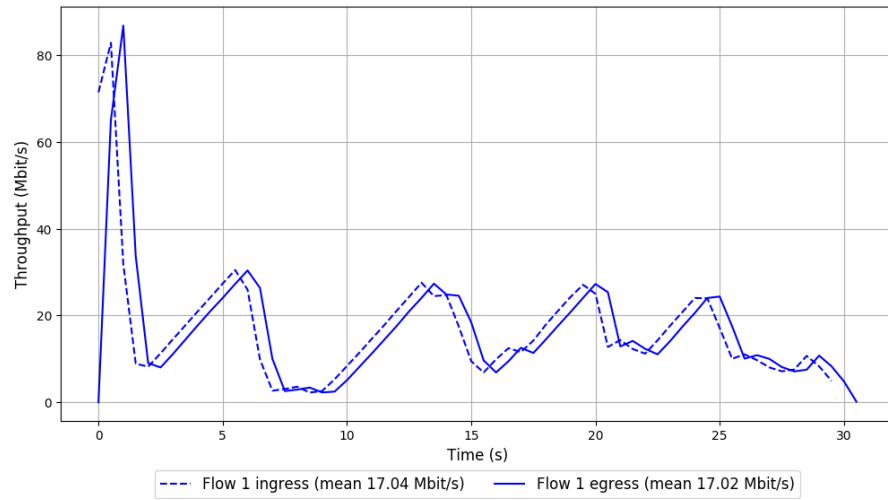


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 03:39:55
End at: 2018-08-09 03:40:25
Local clock offset: -3.995 ms
Remote clock offset: -10.839 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 32.551 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 32.551 ms
Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 03:59:09

End at: 2018-08-09 03:59:39

Local clock offset: -0.503 ms

Remote clock offset: -4.146 ms

Below is generated by plot.py at 2018-08-09 04:17:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 6.946 ms

Loss rate: 1.02%

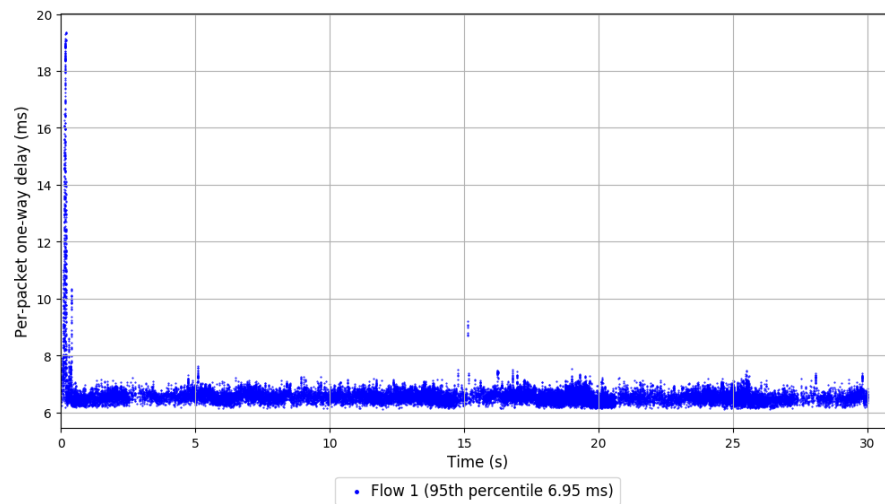
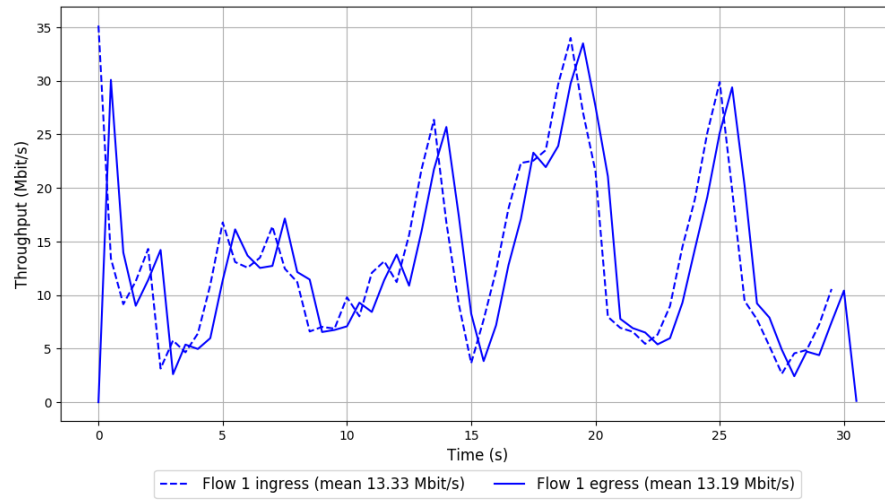
-- Flow 1:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 6.946 ms

Loss rate: 1.02%

Run 10: Report of TCP Cubic — Data Link

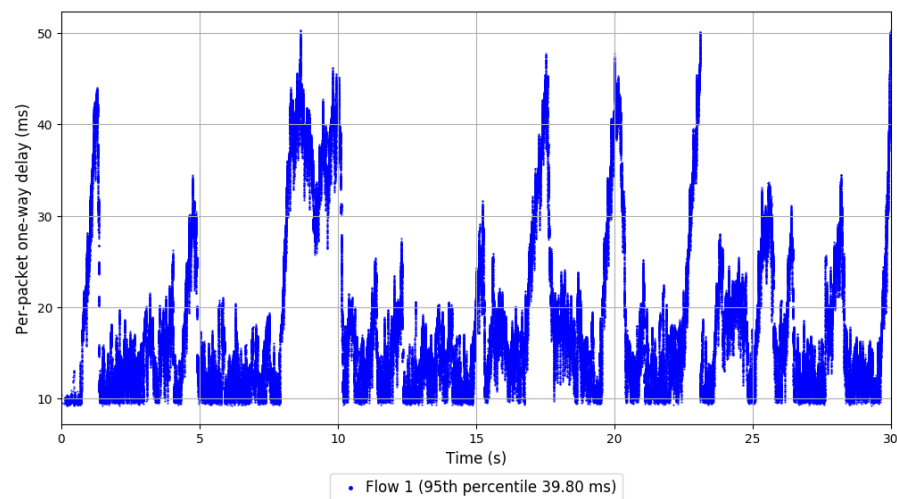
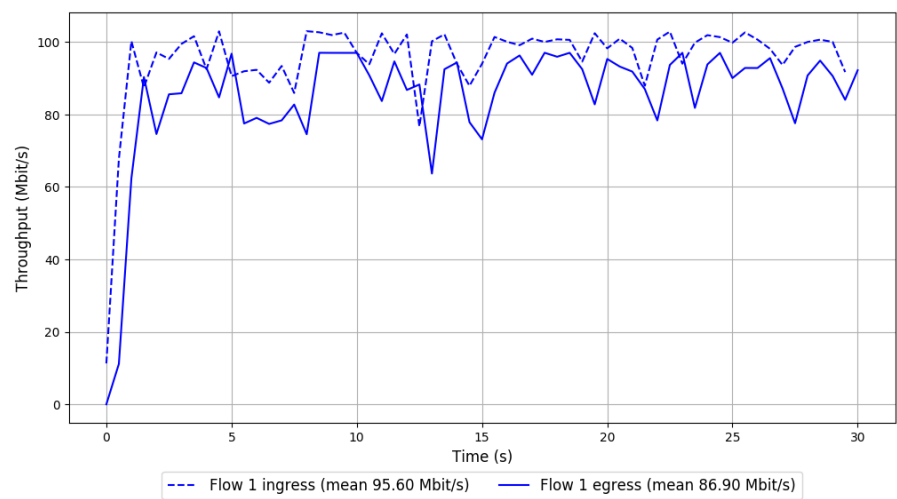


```
Run 1: Statistics of FillP

Start at: 2018-08-09 01:11:38
End at: 2018-08-09 01:12:08
Local clock offset: -1.918 ms
Remote clock offset: -23.878 ms

# Below is generated by plot.py at 2018-08-09 04:17:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 39.805 ms
Loss rate: 9.00%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 39.805 ms
Loss rate: 9.00%
```

Run 1: Report of FillP — Data Link

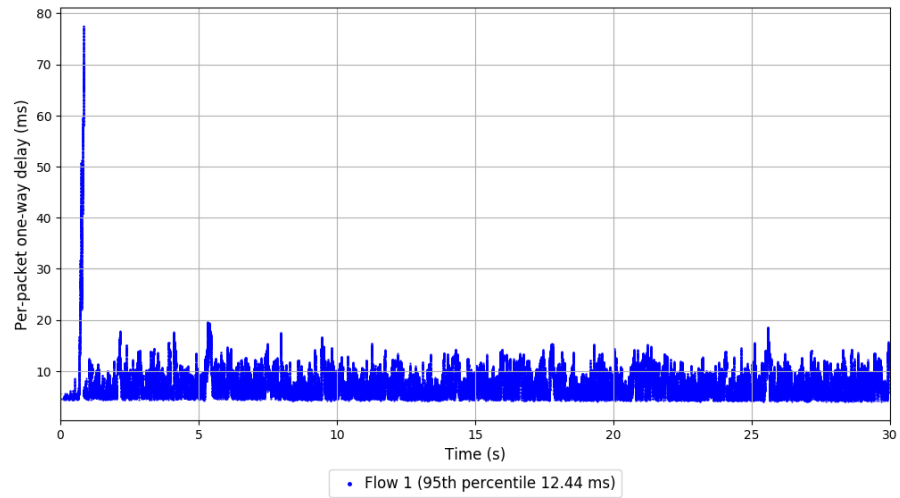
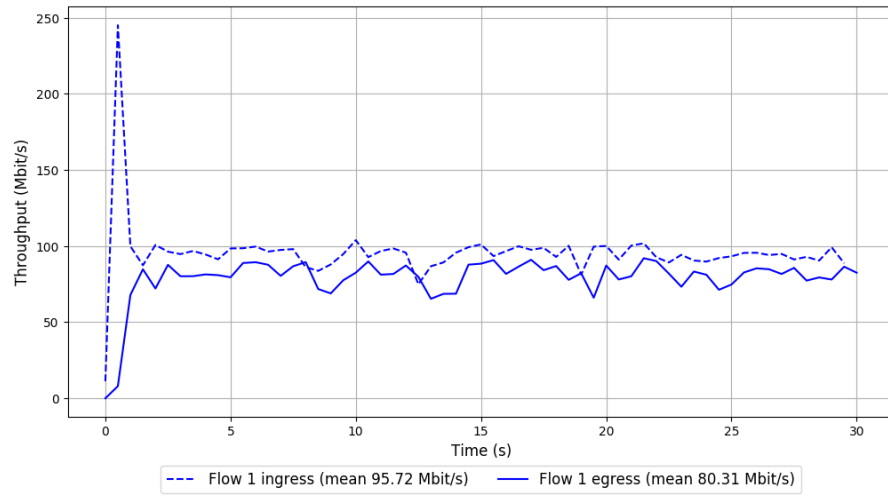


Run 2: Statistics of FillP

Start at: 2018-08-09 01:30:42
End at: 2018-08-09 01:31:12
Local clock offset: 2.036 ms
Remote clock offset: -10.559 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 12.439 ms
Loss rate: 16.10%
-- Flow 1:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 12.439 ms
Loss rate: 16.10%

Run 2: Report of FillP — Data Link

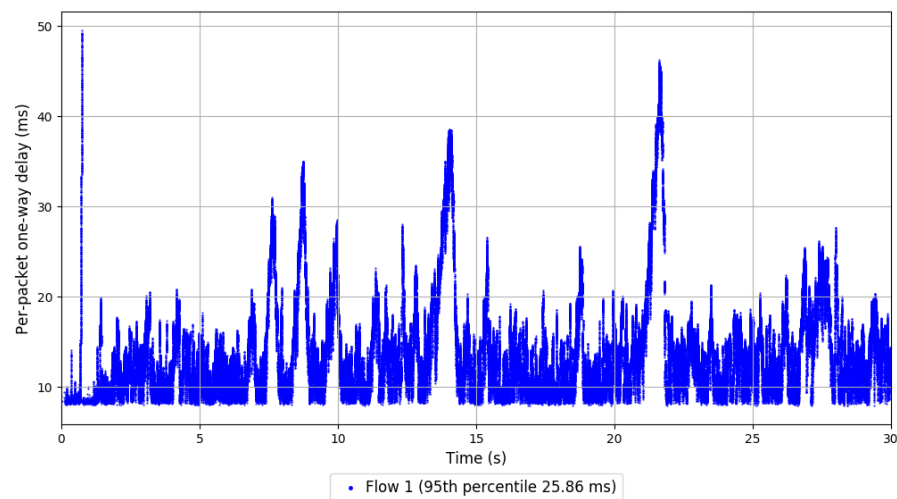
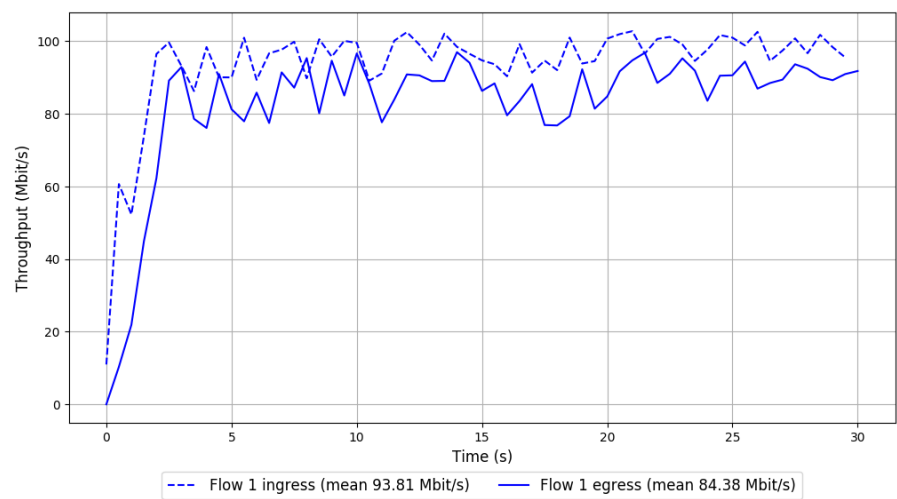


Run 3: Statistics of FillP

Start at: 2018-08-09 01:49:46
End at: 2018-08-09 01:50:16
Local clock offset: -1.798 ms
Remote clock offset: -3.083 ms

Below is generated by plot.py at 2018-08-09 04:17:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 25.864 ms
Loss rate: 10.05%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 25.864 ms
Loss rate: 10.05%

Run 3: Report of FillP — Data Link

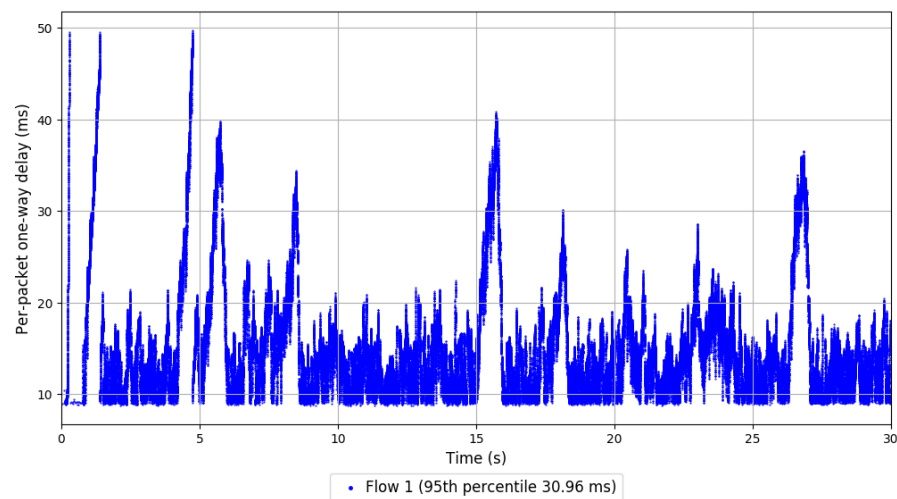
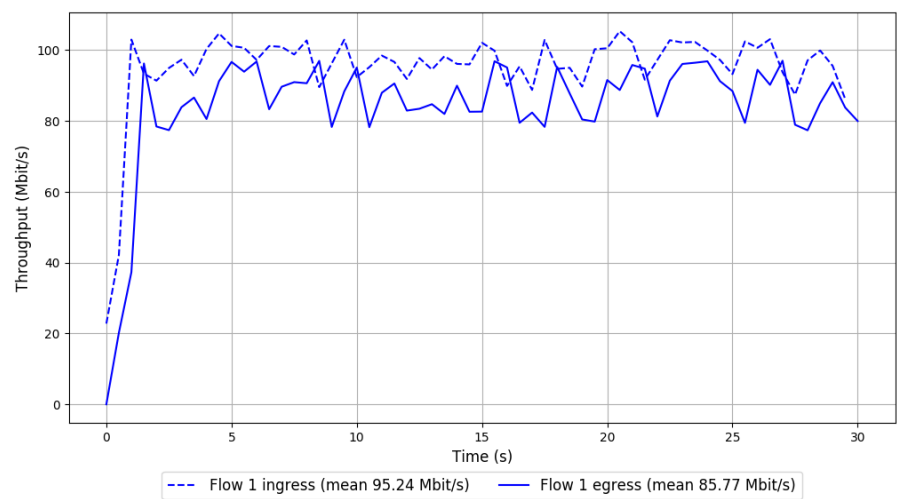


Run 4: Statistics of FillP

Start at: 2018-08-09 02:08:59
End at: 2018-08-09 02:09:29
Local clock offset: -3.43 ms
Remote clock offset: -8.409 ms

Below is generated by plot.py at 2018-08-09 04:17:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 30.956 ms
Loss rate: 9.94%
-- Flow 1:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 30.956 ms
Loss rate: 9.94%

Run 4: Report of FillP — Data Link

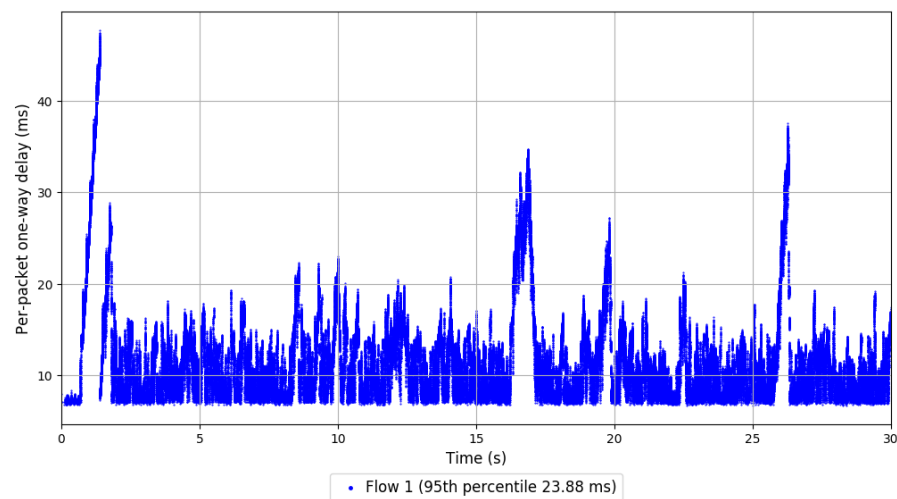
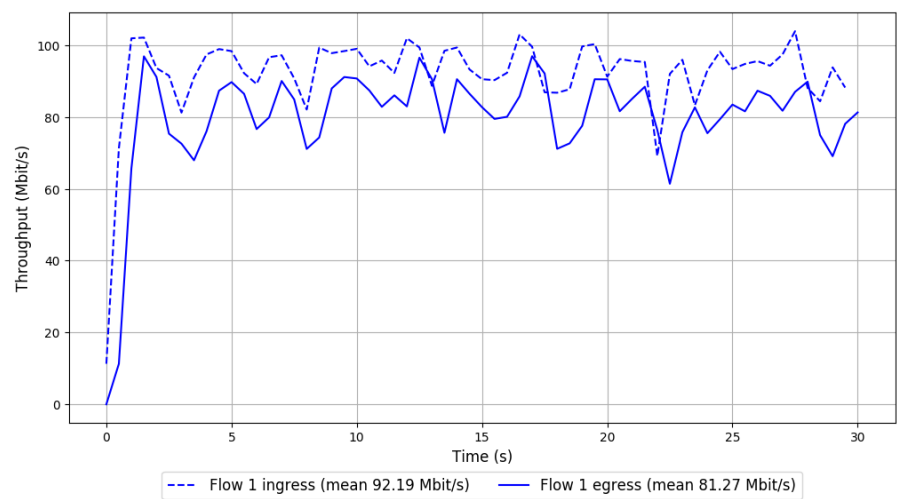


Run 5: Statistics of FillP

Start at: 2018-08-09 02:28:00
End at: 2018-08-09 02:28:30
Local clock offset: 1.788 ms
Remote clock offset: -8.379 ms

Below is generated by plot.py at 2018-08-09 04:18:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 23.875 ms
Loss rate: 11.82%
-- Flow 1:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 23.875 ms
Loss rate: 11.82%

Run 5: Report of FillP — Data Link

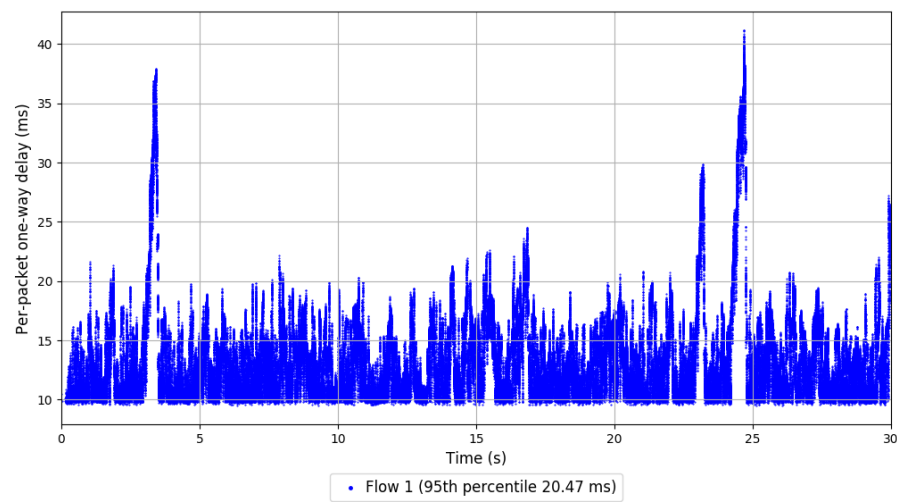
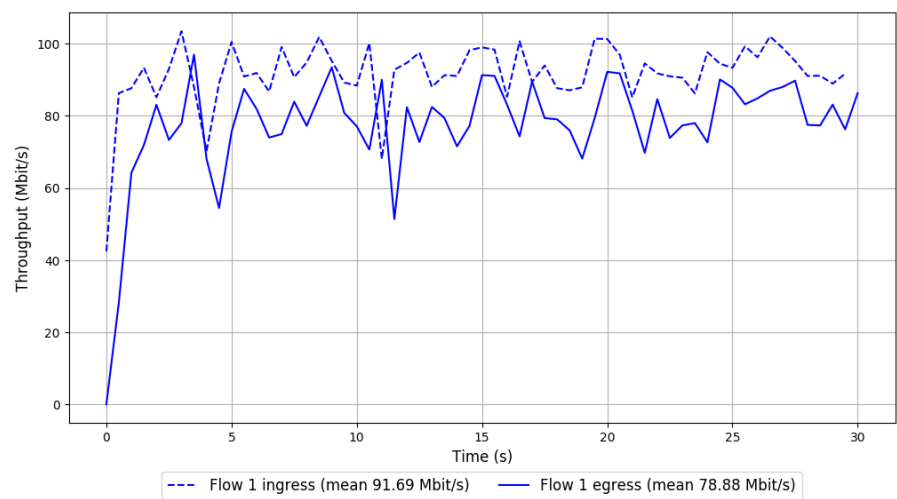


Run 6: Statistics of FillP

Start at: 2018-08-09 02:47:13
End at: 2018-08-09 02:47:43
Local clock offset: -1.144 ms
Remote clock offset: -7.022 ms

Below is generated by plot.py at 2018-08-09 04:18:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 20.469 ms
Loss rate: 13.93%
-- Flow 1:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 20.469 ms
Loss rate: 13.93%

Run 6: Report of FillP — Data Link

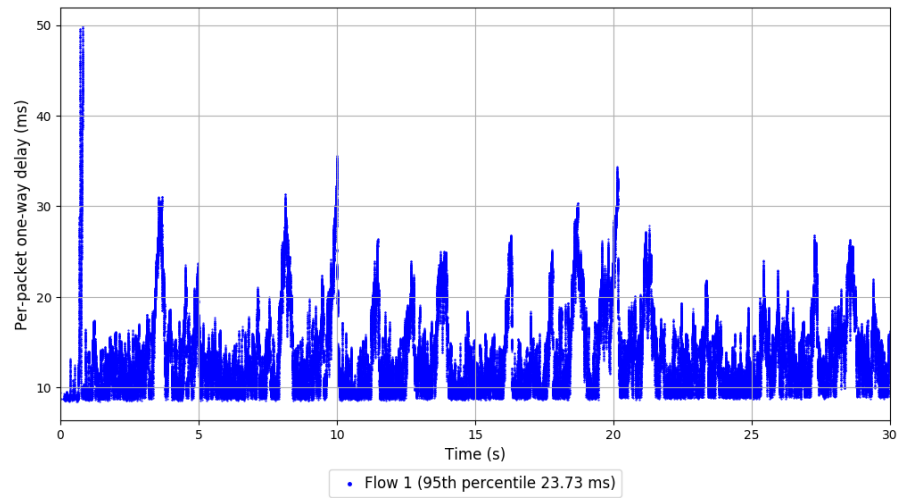
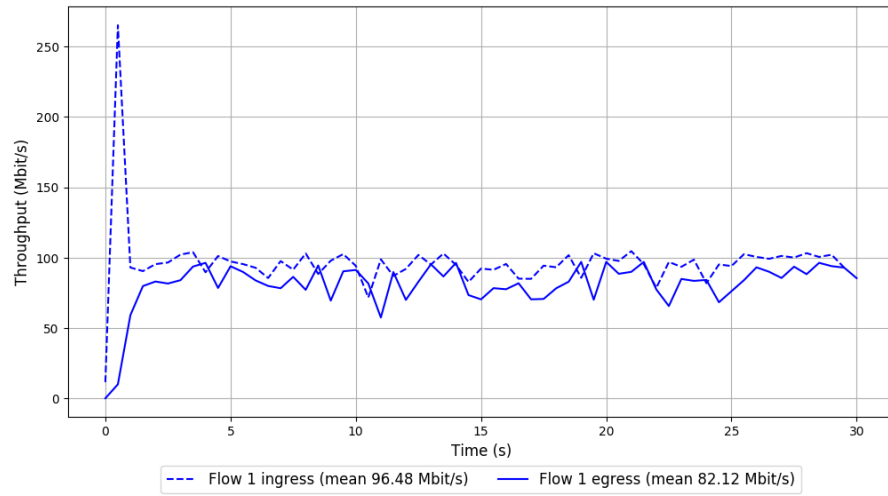


Run 7: Statistics of FillP

Start at: 2018-08-09 03:06:16
End at: 2018-08-09 03:06:46
Local clock offset: -1.937 ms
Remote clock offset: -8.551 ms

Below is generated by plot.py at 2018-08-09 04:18:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 23.725 ms
Loss rate: 14.87%
-- Flow 1:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 23.725 ms
Loss rate: 14.87%

Run 7: Report of FillP — Data Link

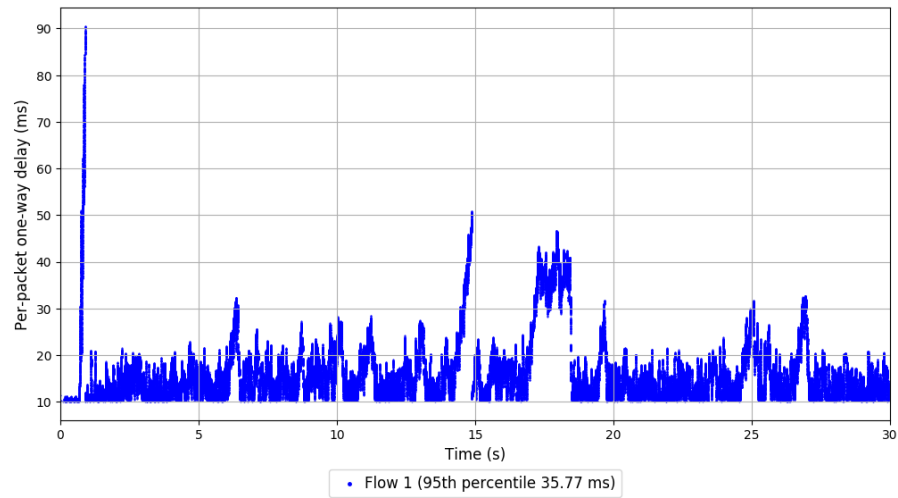
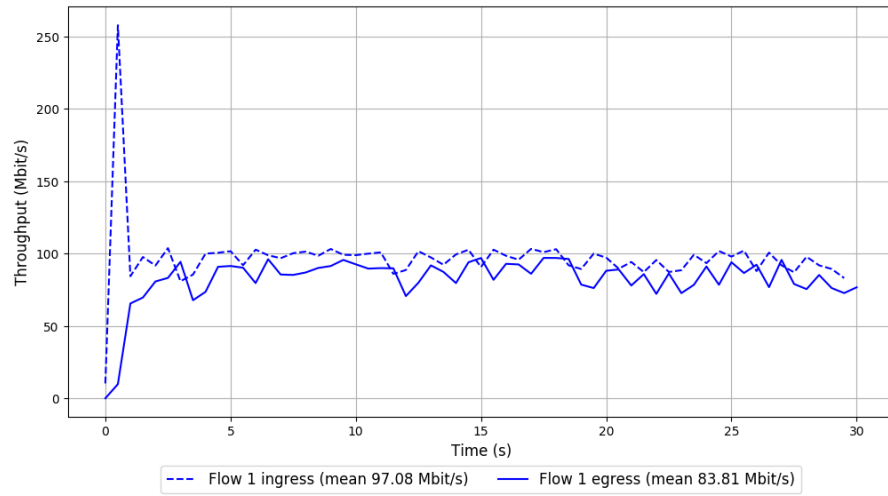


Run 8: Statistics of FillP

Start at: 2018-08-09 03:25:22
End at: 2018-08-09 03:25:52
Local clock offset: 1.328 ms
Remote clock offset: -14.469 ms

Below is generated by plot.py at 2018-08-09 04:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 35.775 ms
Loss rate: 13.68%
-- Flow 1:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 35.775 ms
Loss rate: 13.68%

Run 8: Report of FillP — Data Link

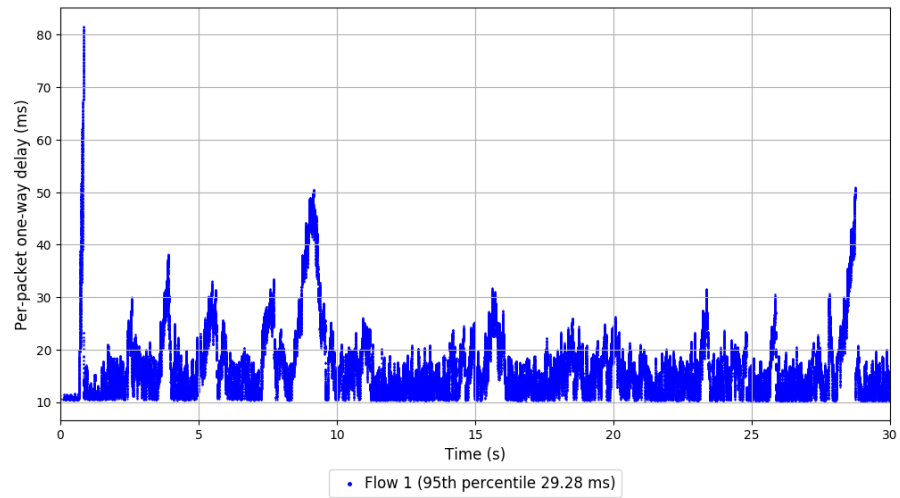
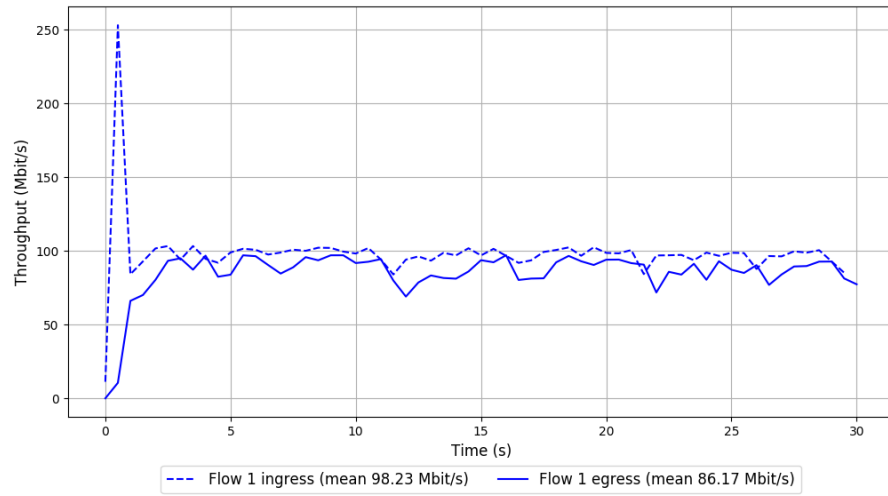


Run 9: Statistics of FillP

Start at: 2018-08-09 03:44:23
End at: 2018-08-09 03:44:53
Local clock offset: 1.481 ms
Remote clock offset: -8.044 ms

Below is generated by plot.py at 2018-08-09 04:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 29.277 ms
Loss rate: 12.30%
-- Flow 1:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 29.277 ms
Loss rate: 12.30%

Run 9: Report of FillP — Data Link

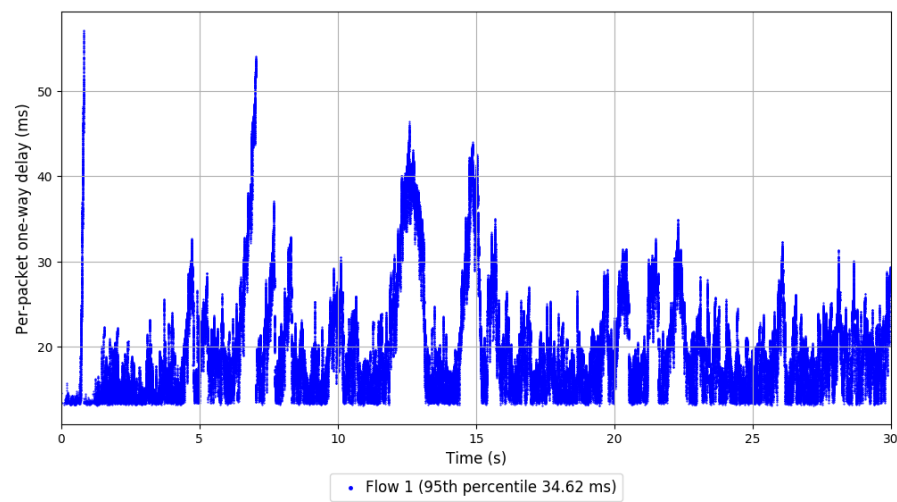
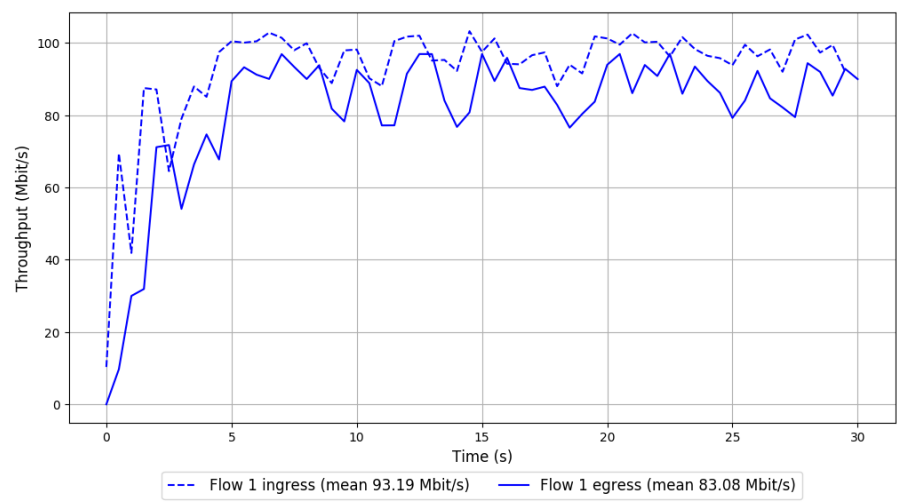


Run 10: Statistics of FillP

Start at: 2018-08-09 04:03:37
End at: 2018-08-09 04:04:07
Local clock offset: -1.071 ms
Remote clock offset: -3.909 ms

Below is generated by plot.py at 2018-08-09 04:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 10.82%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 10.82%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 01:12:46

End at: 2018-08-09 01:13:16

Local clock offset: 1.236 ms

Remote clock offset: -24.924 ms

Below is generated by plot.py at 2018-08-09 04:19:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 18.908 ms

Loss rate: 9.73%

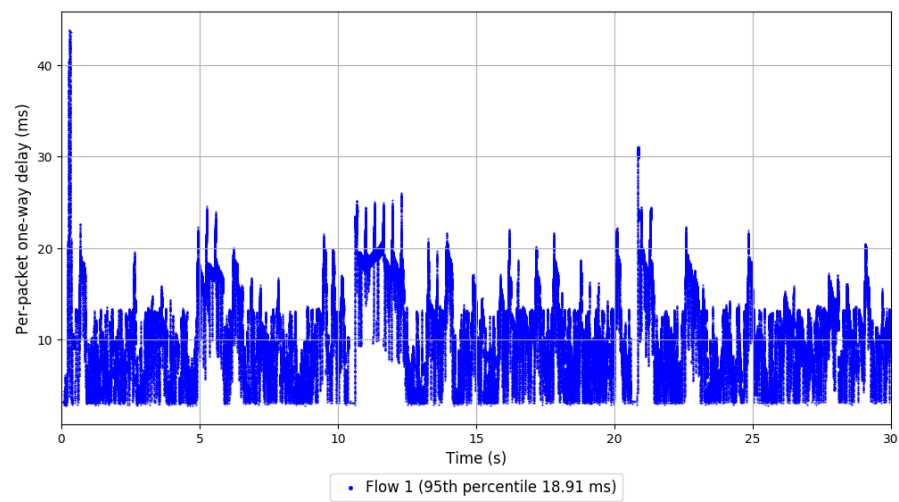
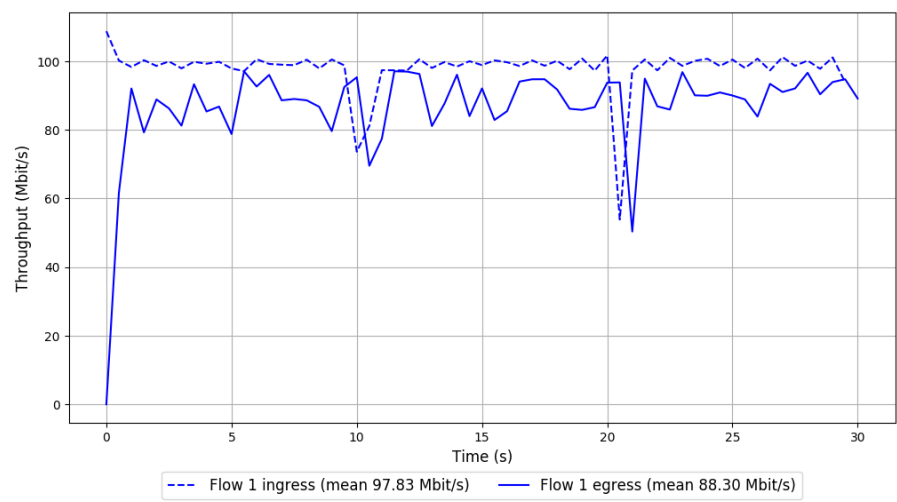
-- Flow 1:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 18.908 ms

Loss rate: 9.73%

Run 1: Report of FillP-Sheep — Data Link

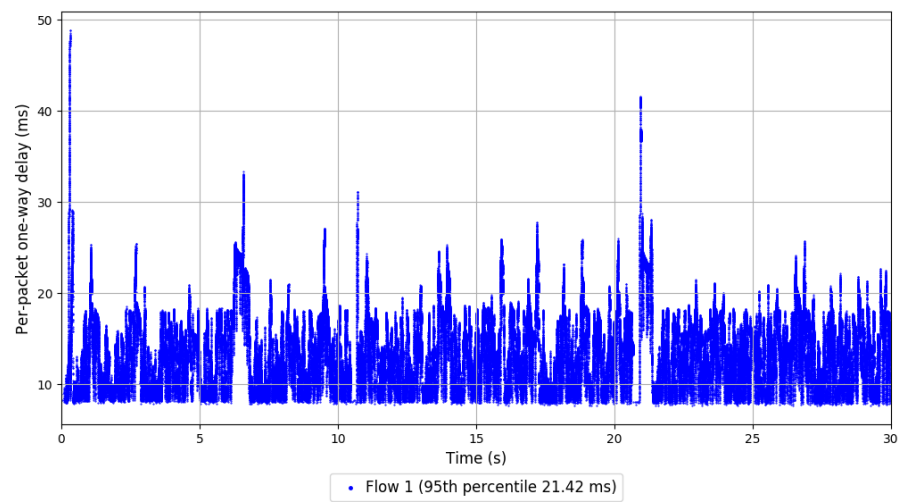
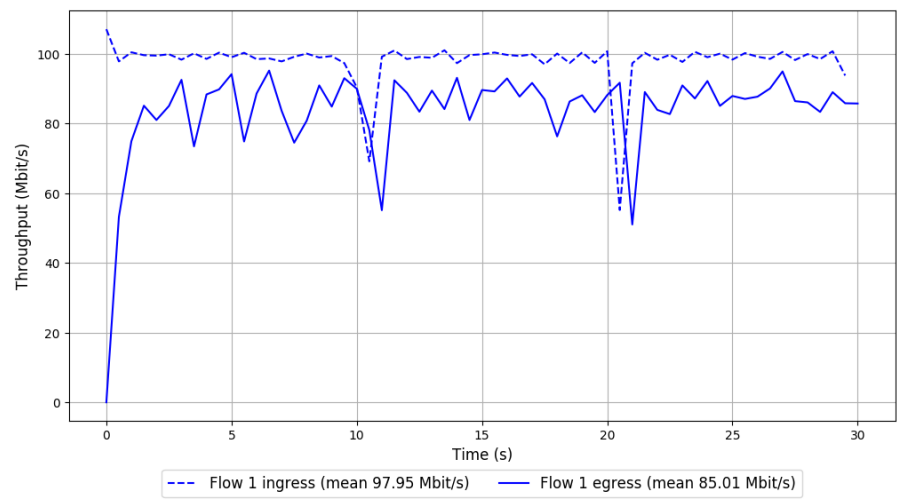


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 01:31:50
End at: 2018-08-09 01:32:20
Local clock offset: -2.249 ms
Remote clock offset: -10.503 ms

Below is generated by plot.py at 2018-08-09 04:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 21.420 ms
Loss rate: 13.21%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 21.420 ms
Loss rate: 13.21%

Run 2: Report of FillP-Sheep — Data Link

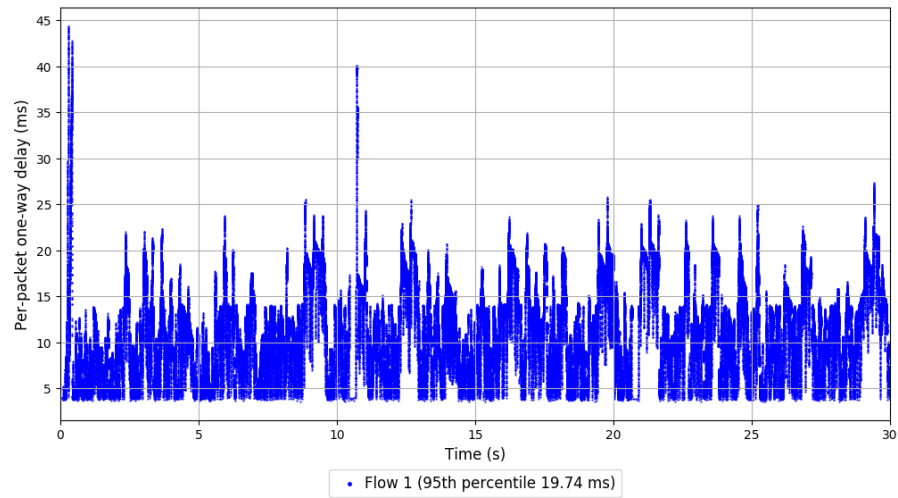
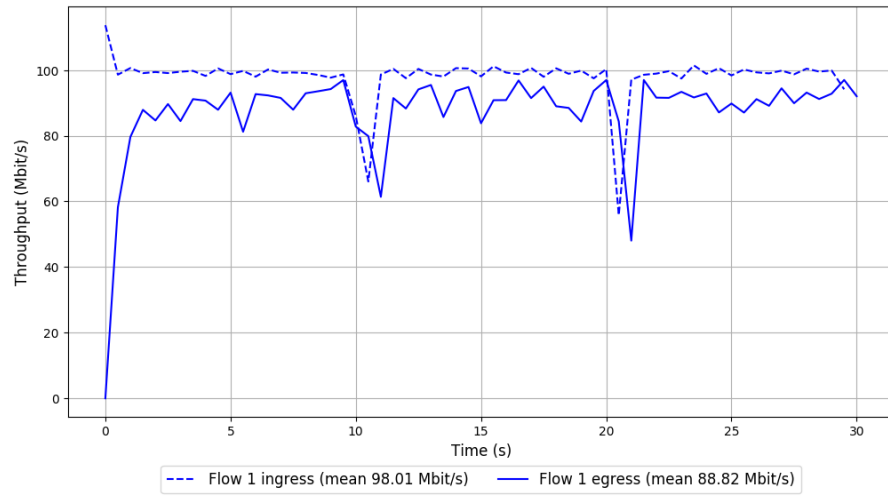


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 01:50:53
End at: 2018-08-09 01:51:23
Local clock offset: 0.269 ms
Remote clock offset: -2.809 ms

Below is generated by plot.py at 2018-08-09 04:19:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 19.737 ms
Loss rate: 9.37%
-- Flow 1:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 19.737 ms
Loss rate: 9.37%

Run 3: Report of FillP-Sheep — Data Link

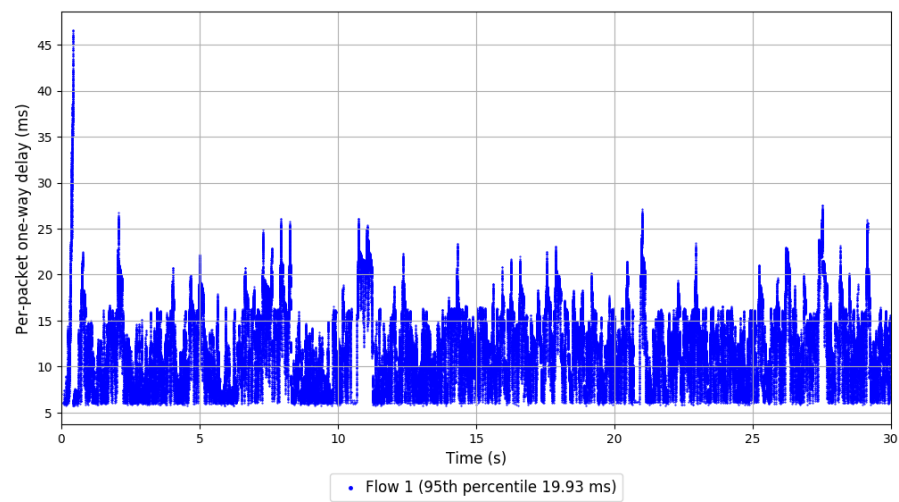
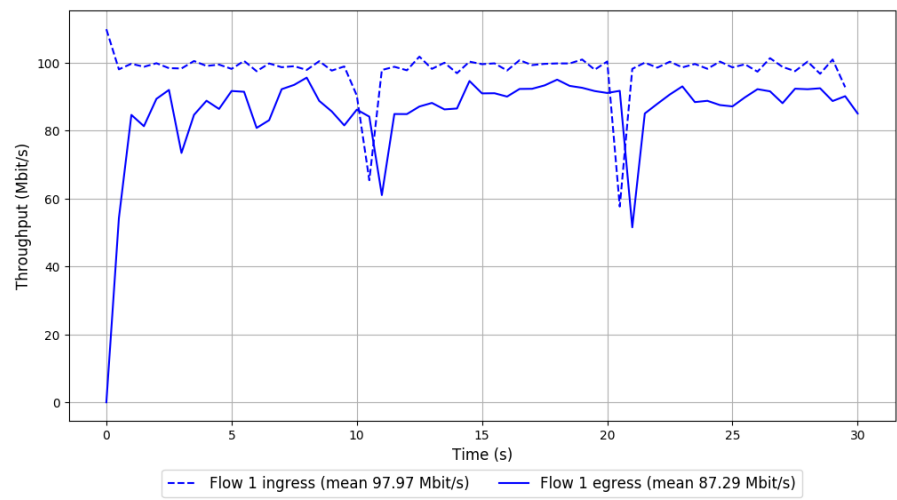


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 02:10:07
End at: 2018-08-09 02:10:37
Local clock offset: 1.466 ms
Remote clock offset: -9.025 ms

Below is generated by plot.py at 2018-08-09 04:19:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 10.88%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 10.88%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 02:29:08

End at: 2018-08-09 02:29:38

Local clock offset: 2.856 ms

Remote clock offset: -8.314 ms

Below is generated by plot.py at 2018-08-09 04:20:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 19.316 ms

Loss rate: 9.19%

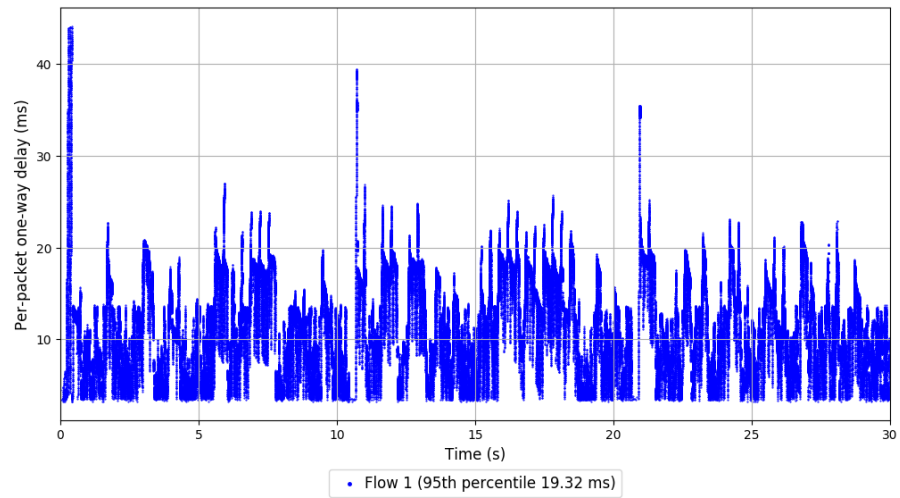
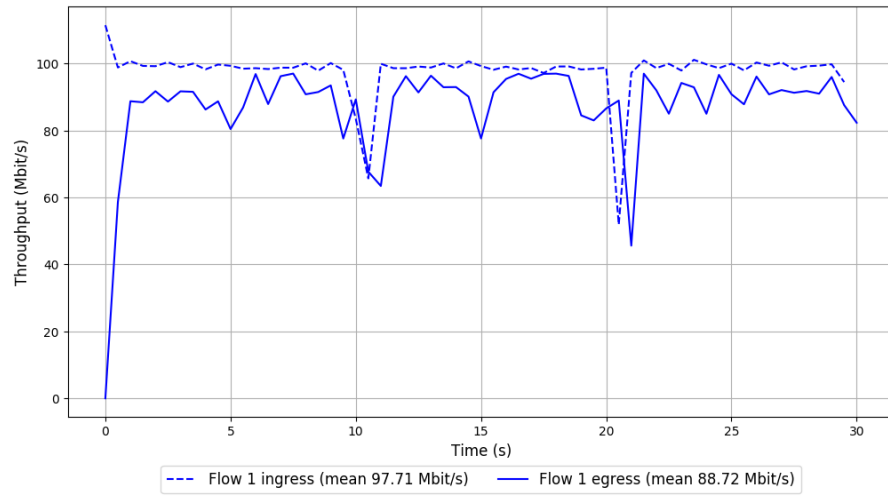
-- Flow 1:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 19.316 ms

Loss rate: 9.19%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 02:48:20

End at: 2018-08-09 02:48:51

Local clock offset: 1.125 ms

Remote clock offset: -7.1 ms

Below is generated by plot.py at 2018-08-09 04:20:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 20.378 ms

Loss rate: 13.96%

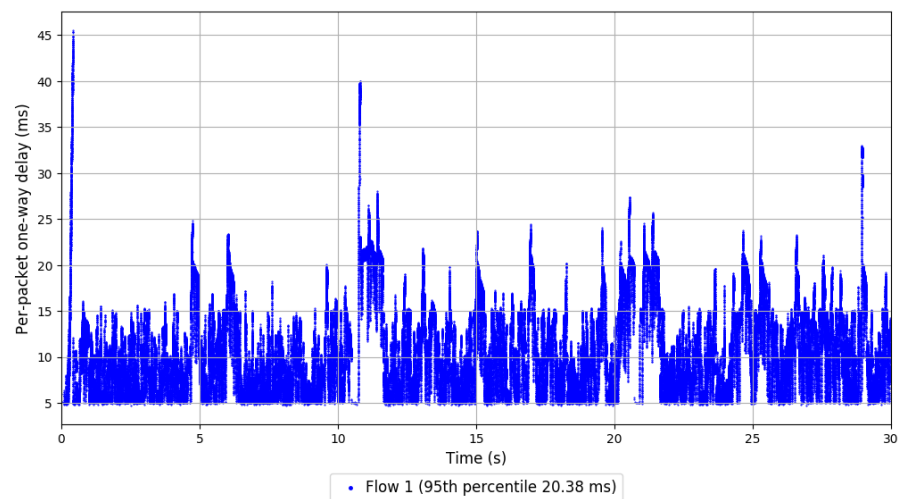
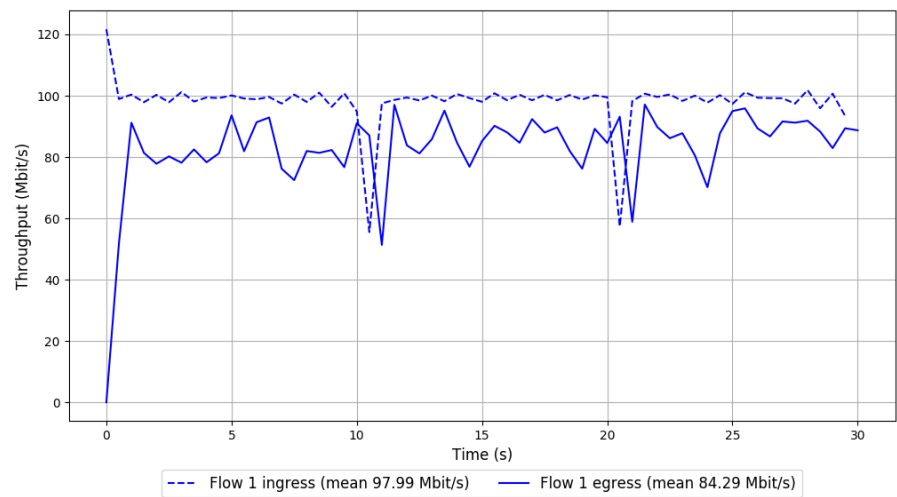
-- Flow 1:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 20.378 ms

Loss rate: 13.96%

Run 6: Report of FillP-Sheep — Data Link

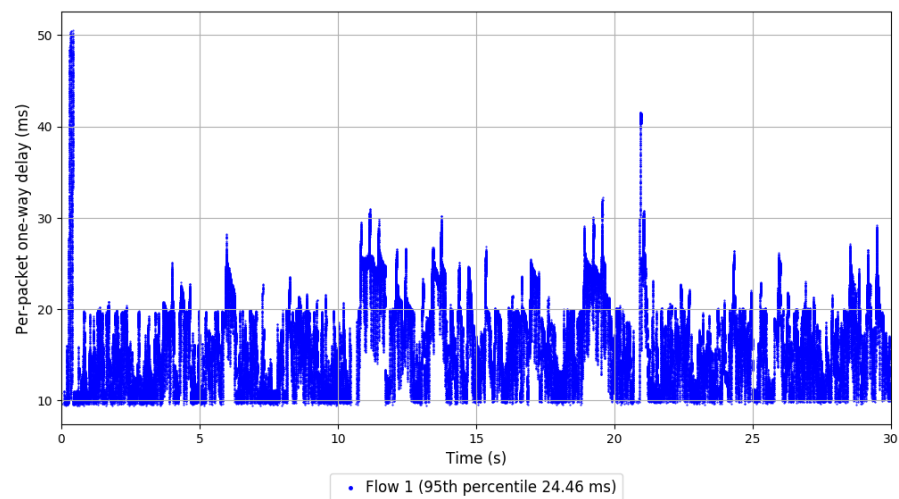
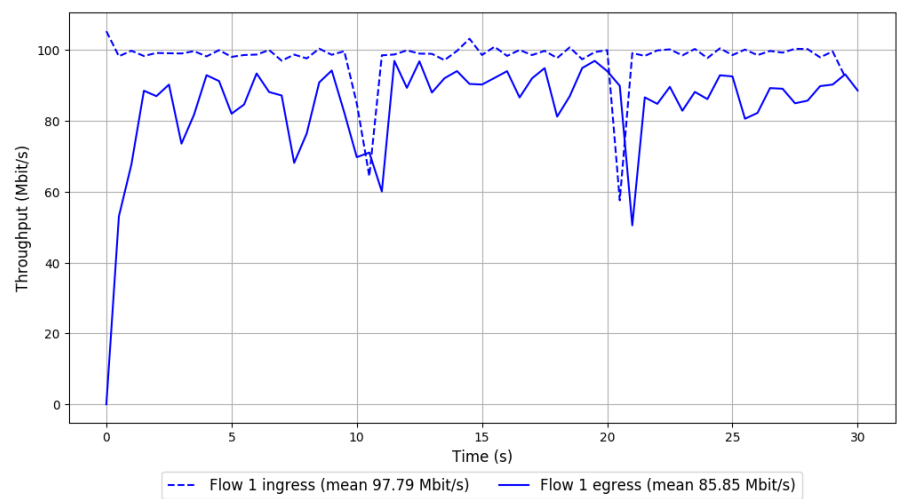


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 03:07:25
End at: 2018-08-09 03:07:55
Local clock offset: -0.822 ms
Remote clock offset: -9.483 ms

Below is generated by plot.py at 2018-08-09 04:20:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 24.457 ms
Loss rate: 12.21%
-- Flow 1:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 24.457 ms
Loss rate: 12.21%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 03:26:30

End at: 2018-08-09 03:27:00

Local clock offset: 1.165 ms

Remote clock offset: -14.857 ms

Below is generated by plot.py at 2018-08-09 04:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 24.595 ms

Loss rate: 12.33%

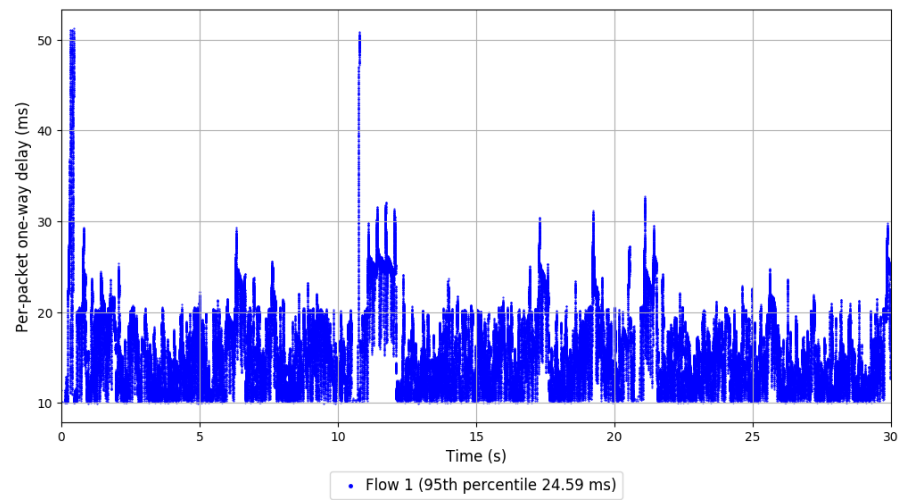
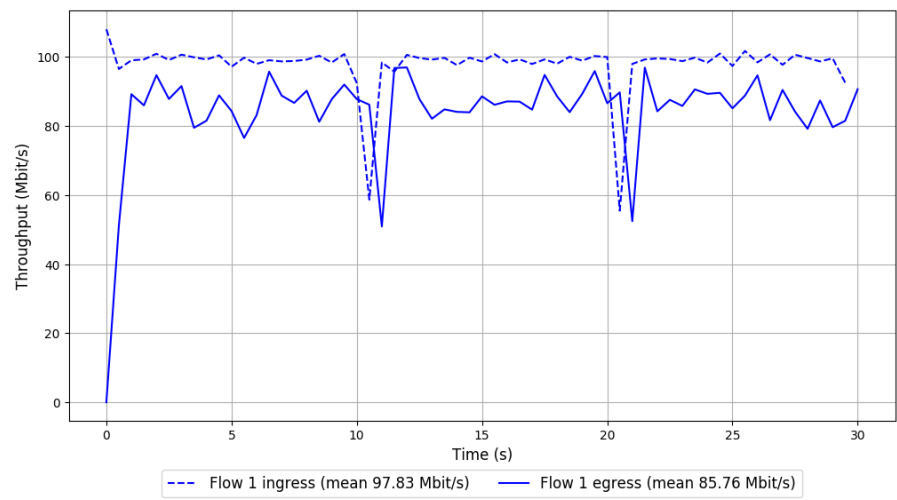
-- Flow 1:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 24.595 ms

Loss rate: 12.33%

Run 8: Report of FillP-Sheep — Data Link

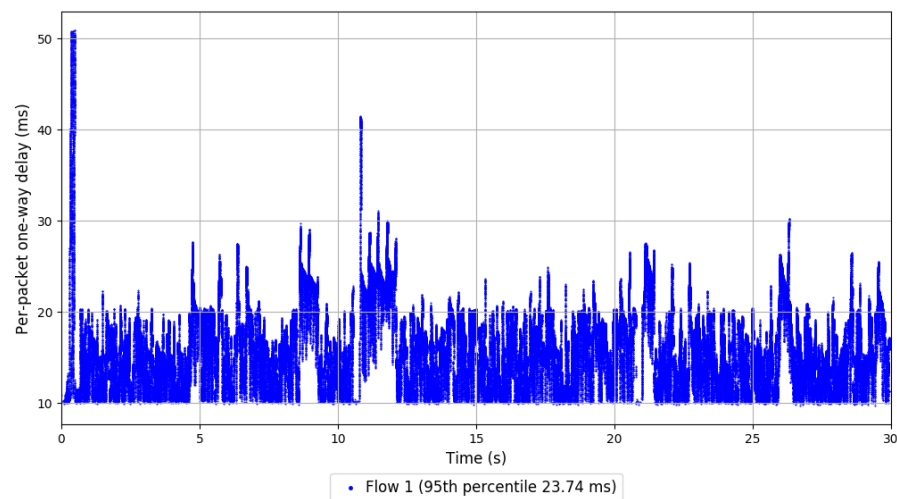
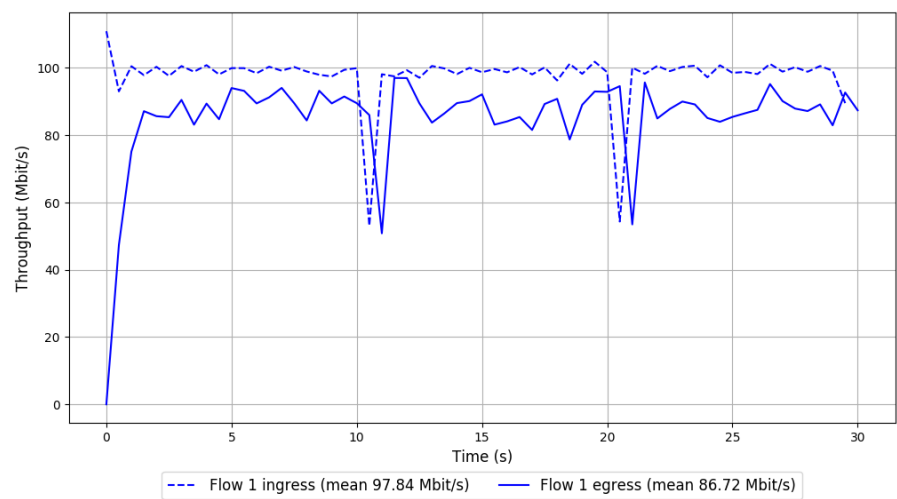


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 03:45:31
End at: 2018-08-09 03:46:01
Local clock offset: 1.445 ms
Remote clock offset: -7.933 ms

Below is generated by plot.py at 2018-08-09 04:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 23.740 ms
Loss rate: 11.36%
-- Flow 1:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 23.740 ms
Loss rate: 11.36%

Run 9: Report of FillP-Sheep — Data Link

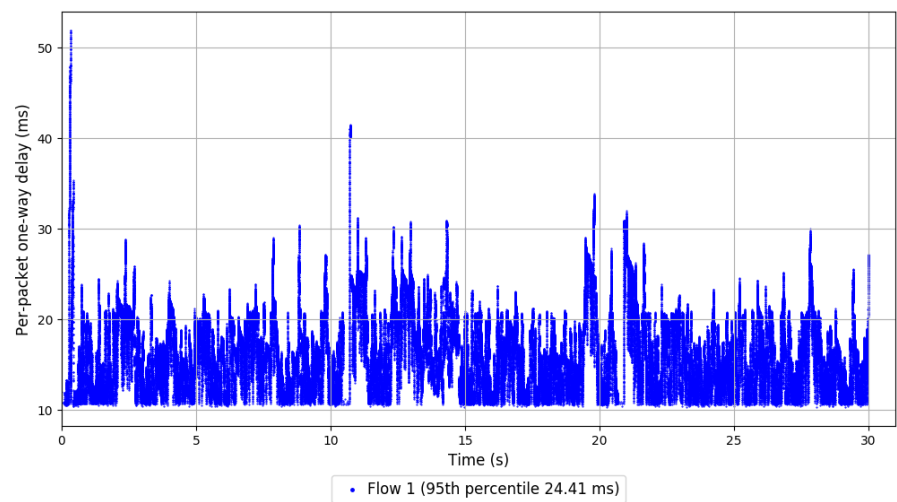
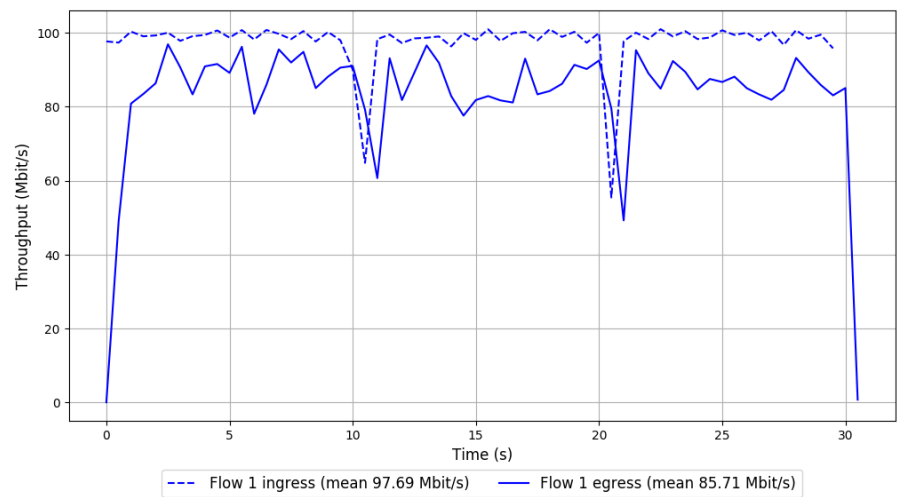


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 04:04:45
End at: 2018-08-09 04:05:15
Local clock offset: 2.276 ms
Remote clock offset: -3.271 ms

Below is generated by plot.py at 2018-08-09 04:20:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 24.415 ms
Loss rate: 12.24%
-- Flow 1:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 24.415 ms
Loss rate: 12.24%

Run 10: Report of FillP-Sheep — Data Link

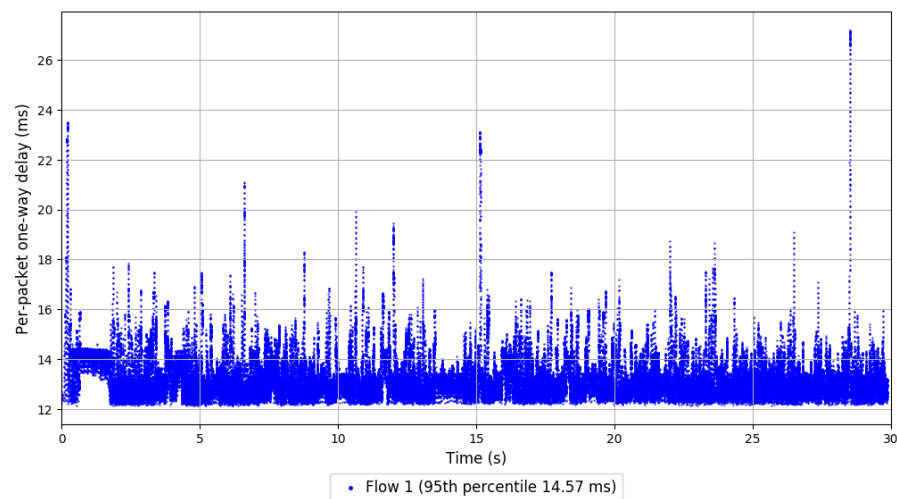
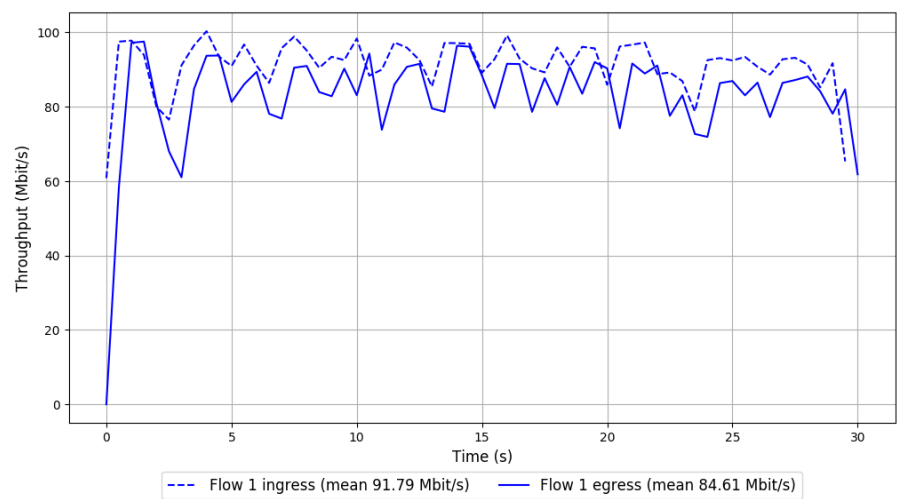


Run 1: Statistics of Indigo

Start at: 2018-08-09 01:05:58
End at: 2018-08-09 01:06:28
Local clock offset: -3.738 ms
Remote clock offset: -22.584 ms

Below is generated by plot.py at 2018-08-09 04:20:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 14.574 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 14.574 ms
Loss rate: 7.83%

Run 1: Report of Indigo — Data Link

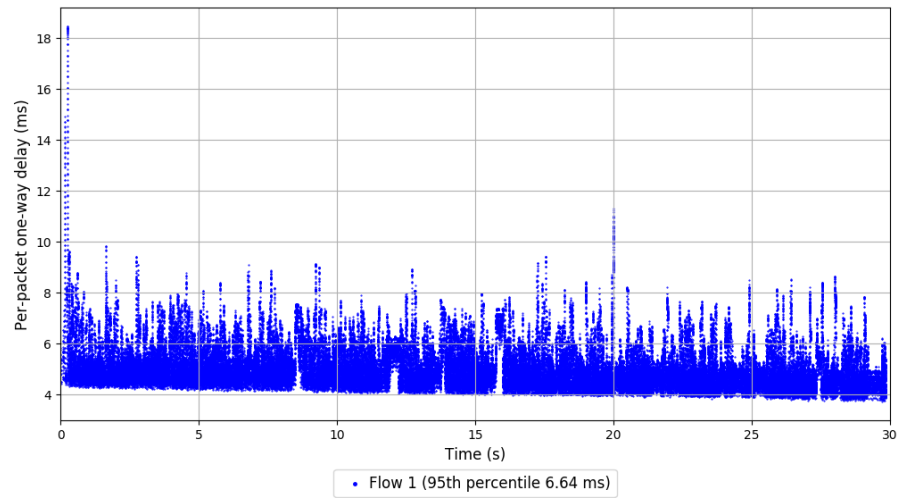
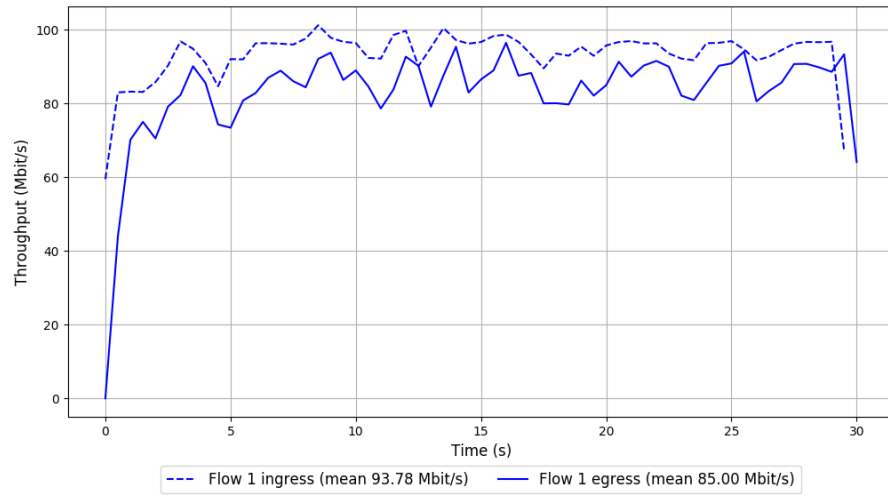


Run 2: Statistics of Indigo

Start at: 2018-08-09 01:25:08
End at: 2018-08-09 01:25:38
Local clock offset: -0.456 ms
Remote clock offset: -16.195 ms

Below is generated by plot.py at 2018-08-09 04:20:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 6.643 ms
Loss rate: 9.37%
-- Flow 1:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 6.643 ms
Loss rate: 9.37%

Run 2: Report of Indigo — Data Link

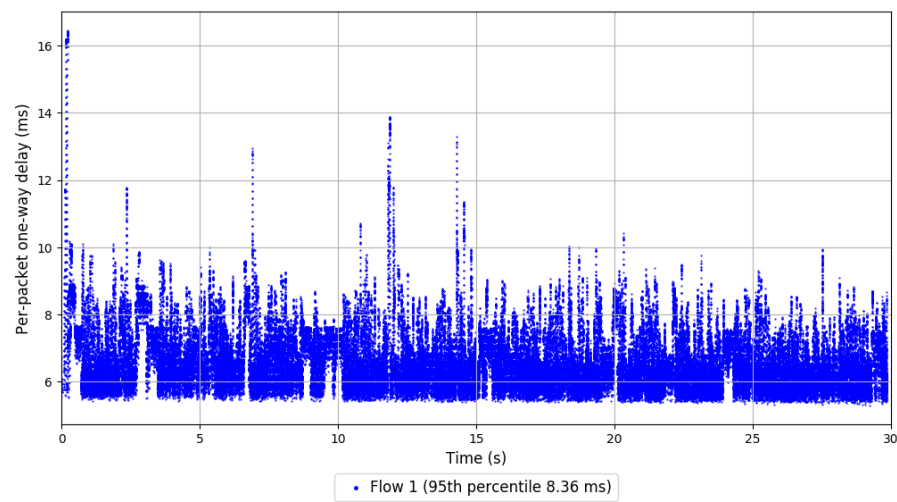
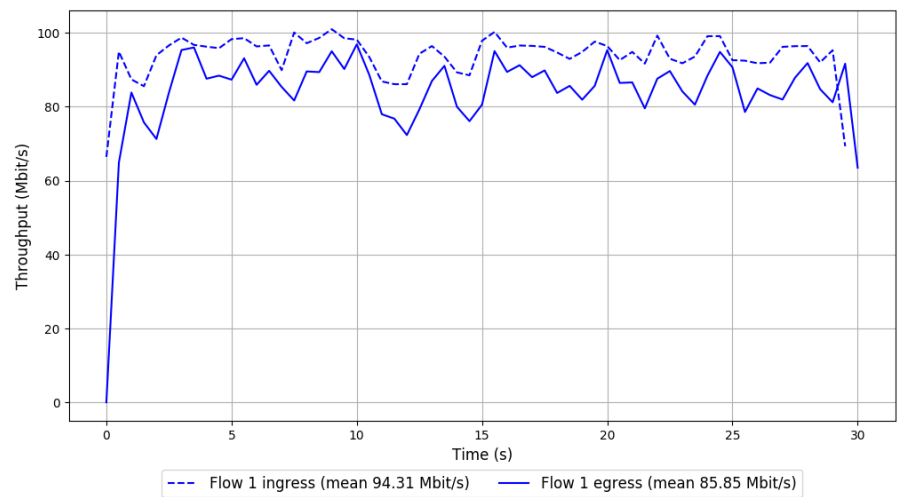


Run 3: Statistics of Indigo

Start at: 2018-08-09 01:44:10
End at: 2018-08-09 01:44:40
Local clock offset: -1.183 ms
Remote clock offset: -3.953 ms

Below is generated by plot.py at 2018-08-09 04:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 8.360 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 8.360 ms
Loss rate: 8.97%

Run 3: Report of Indigo — Data Link

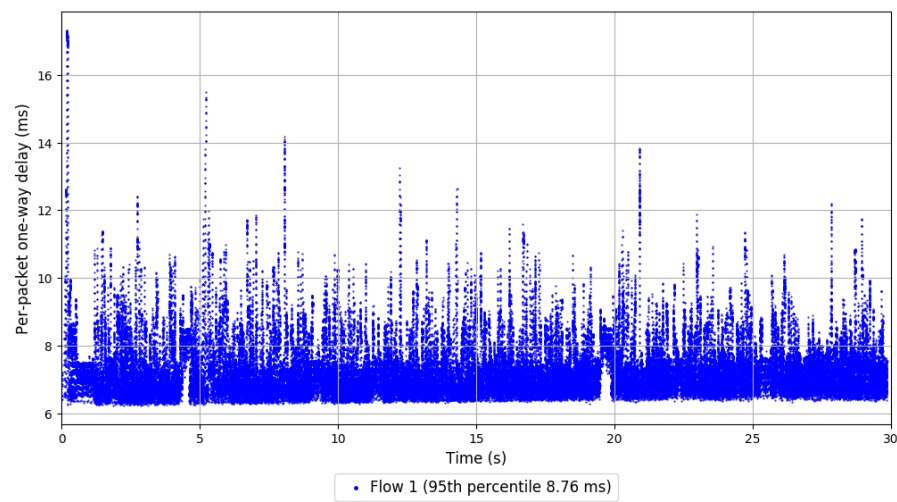
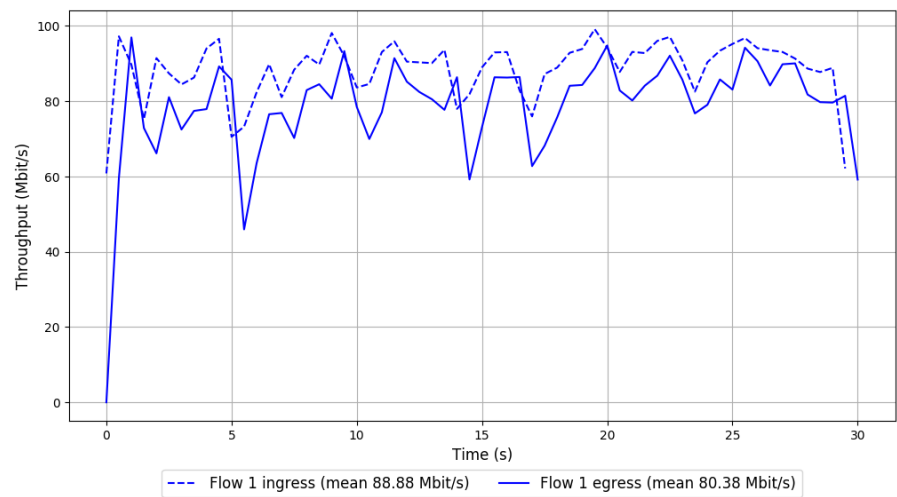


Run 4: Statistics of Indigo

Start at: 2018-08-09 02:03:21
End at: 2018-08-09 02:03:51
Local clock offset: 2.285 ms
Remote clock offset: -6.574 ms

Below is generated by plot.py at 2018-08-09 04:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 8.755 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 8.755 ms
Loss rate: 9.56%

Run 4: Report of Indigo — Data Link

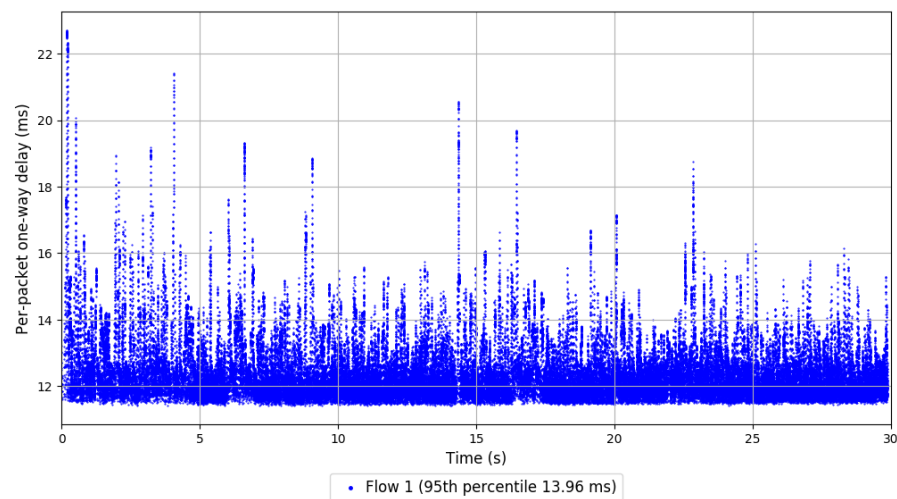
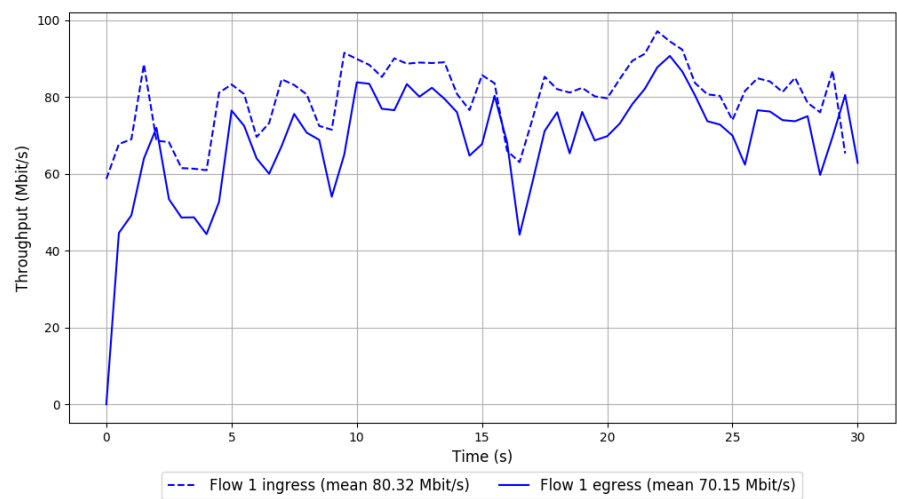


Run 5: Statistics of Indigo

Start at: 2018-08-09 02:22:25
End at: 2018-08-09 02:22:55
Local clock offset: -3.636 ms
Remote clock offset: -9.433 ms

Below is generated by plot.py at 2018-08-09 04:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 13.964 ms
Loss rate: 12.66%
-- Flow 1:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 13.964 ms
Loss rate: 12.66%

Run 5: Report of Indigo — Data Link

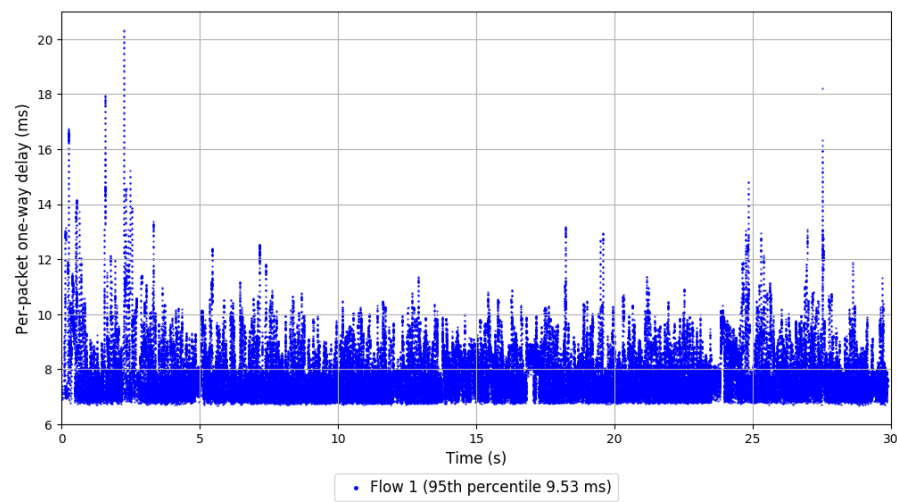
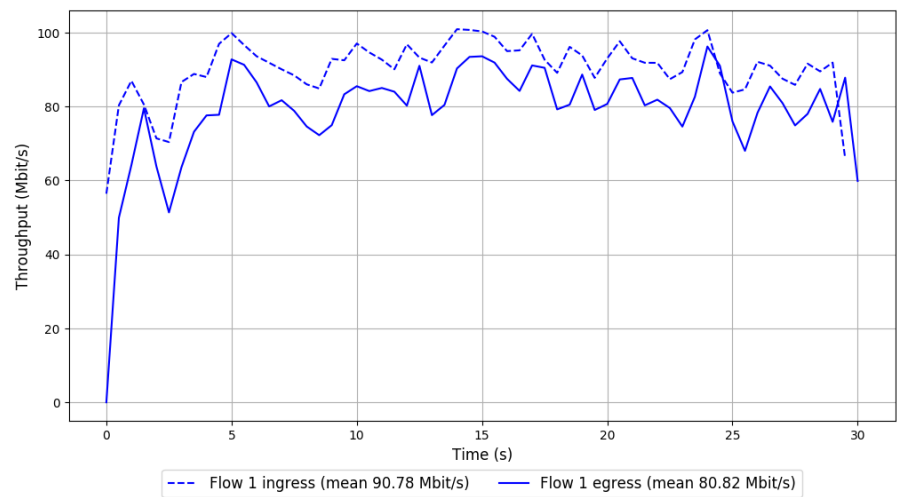


Run 6: Statistics of Indigo

Start at: 2018-08-09 02:41:27
End at: 2018-08-09 02:41:57
Local clock offset: -0.393 ms
Remote clock offset: -7.272 ms

Below is generated by plot.py at 2018-08-09 04:21:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 10.97%
-- Flow 1:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 10.97%

Run 6: Report of Indigo — Data Link

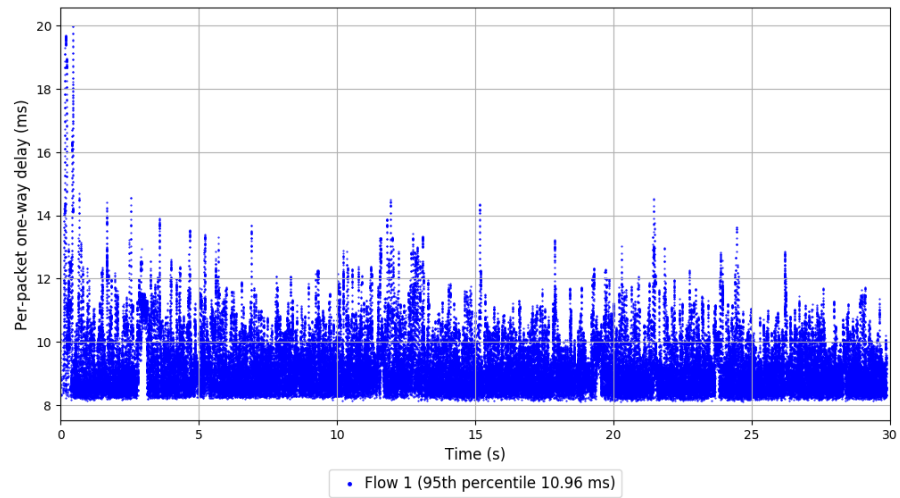
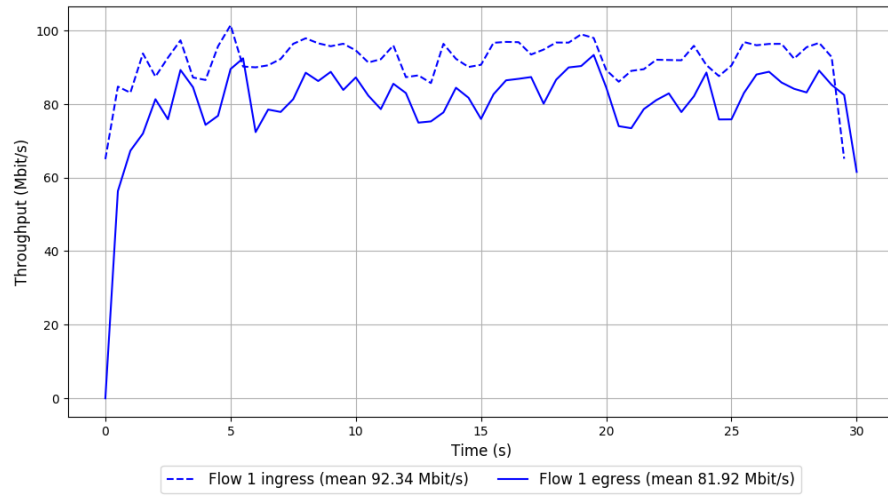


Run 7: Statistics of Indigo

Start at: 2018-08-09 03:00:41
End at: 2018-08-09 03:01:11
Local clock offset: -1.928 ms
Remote clock offset: -6.215 ms

Below is generated by plot.py at 2018-08-09 04:21:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 10.956 ms
Loss rate: 11.29%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 10.956 ms
Loss rate: 11.29%

Run 7: Report of Indigo — Data Link

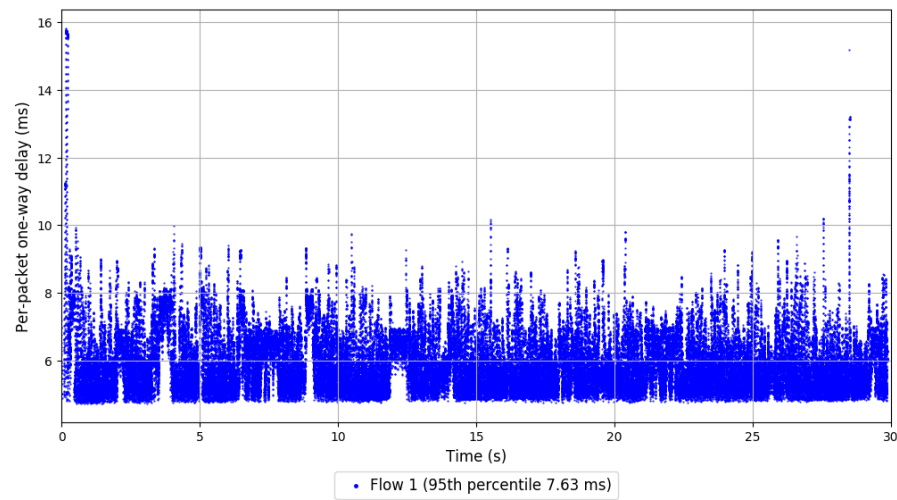
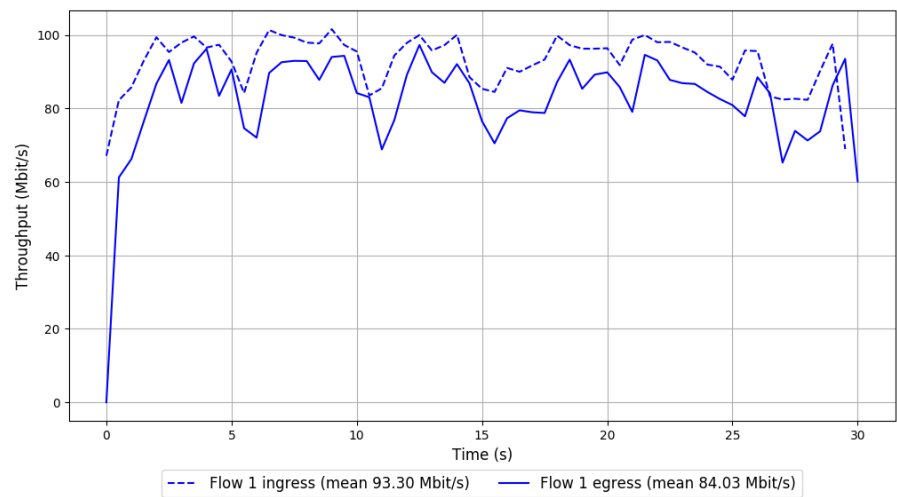


Run 8: Statistics of Indigo

Start at: 2018-08-09 03:19:48
End at: 2018-08-09 03:20:18
Local clock offset: 1.706 ms
Remote clock offset: -12.874 ms

Below is generated by plot.py at 2018-08-09 04:21:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 7.630 ms
Loss rate: 9.93%
-- Flow 1:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 7.630 ms
Loss rate: 9.93%

Run 8: Report of Indigo — Data Link

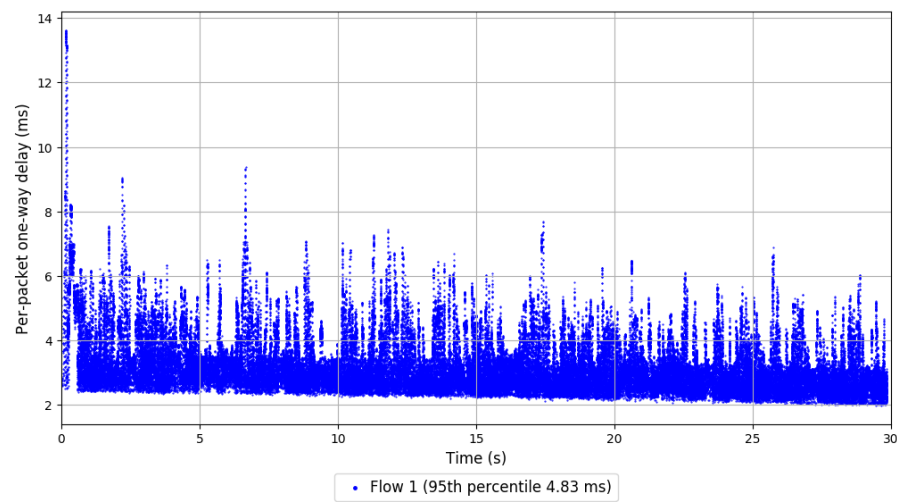
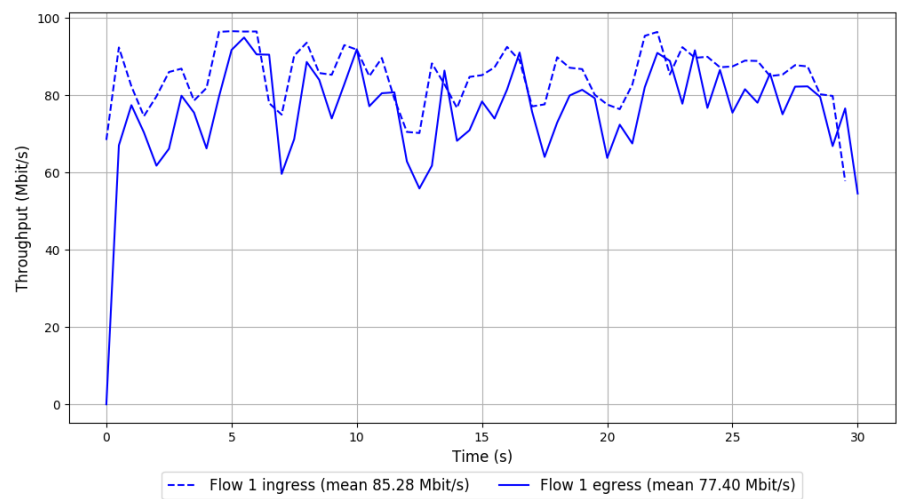


Run 9: Statistics of Indigo

Start at: 2018-08-09 03:38:46
End at: 2018-08-09 03:39:16
Local clock offset: 2.008 ms
Remote clock offset: -12.415 ms

Below is generated by plot.py at 2018-08-09 04:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 4.825 ms
Loss rate: 9.24%
-- Flow 1:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 4.825 ms
Loss rate: 9.24%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 03:57:59

End at: 2018-08-09 03:58:29

Local clock offset: 2.844 ms

Remote clock offset: -4.39 ms

Below is generated by plot.py at 2018-08-09 04:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 12.354 ms

Loss rate: 8.06%

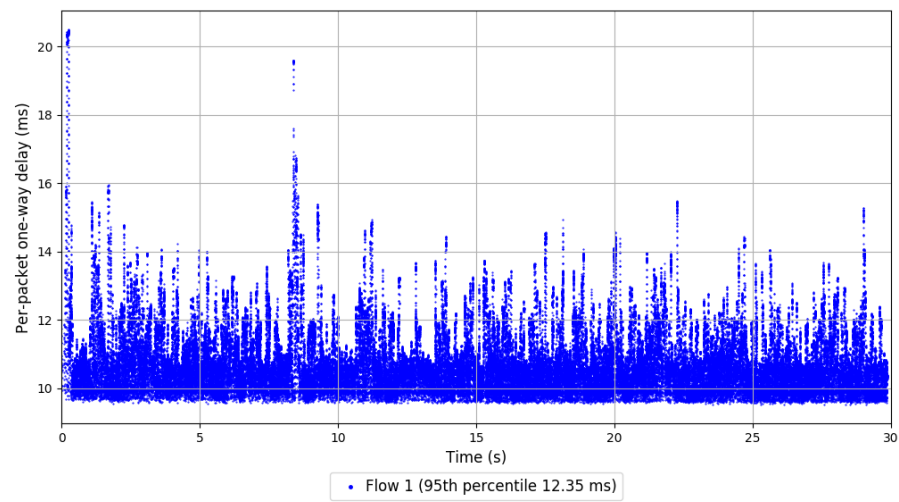
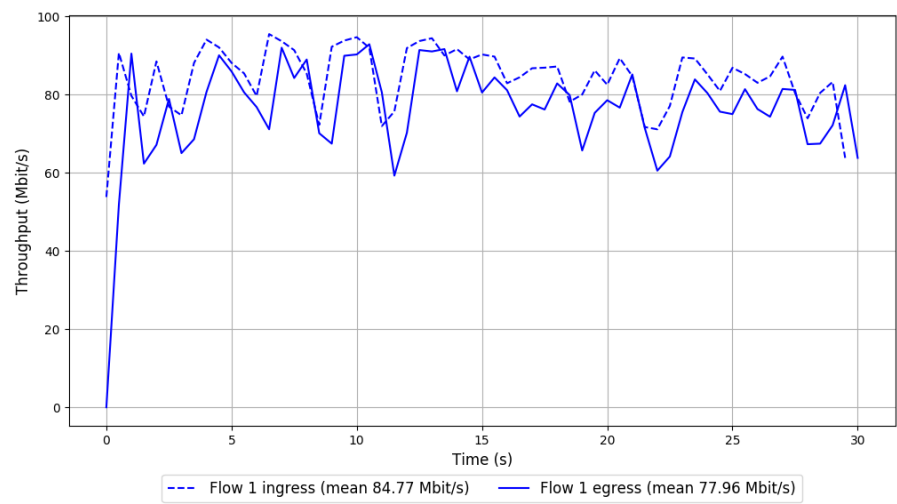
-- Flow 1:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 12.354 ms

Loss rate: 8.06%

Run 10: Report of Indigo — Data Link

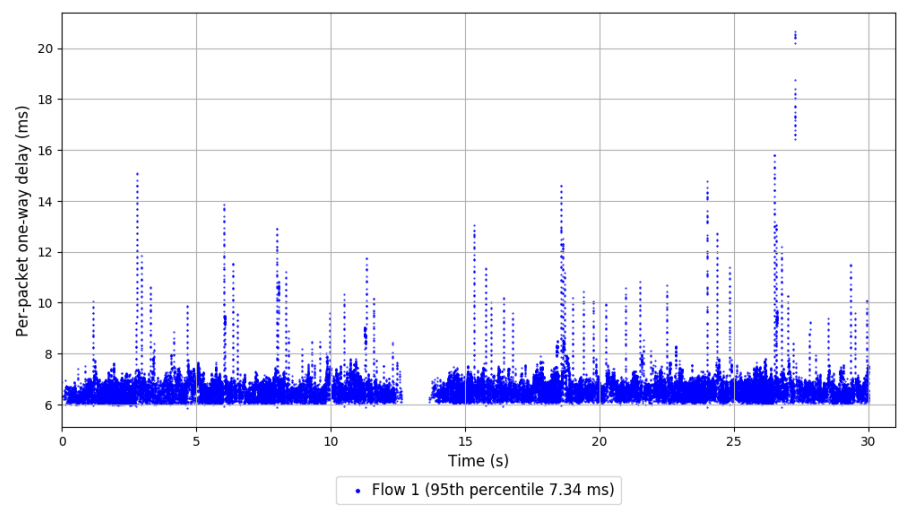
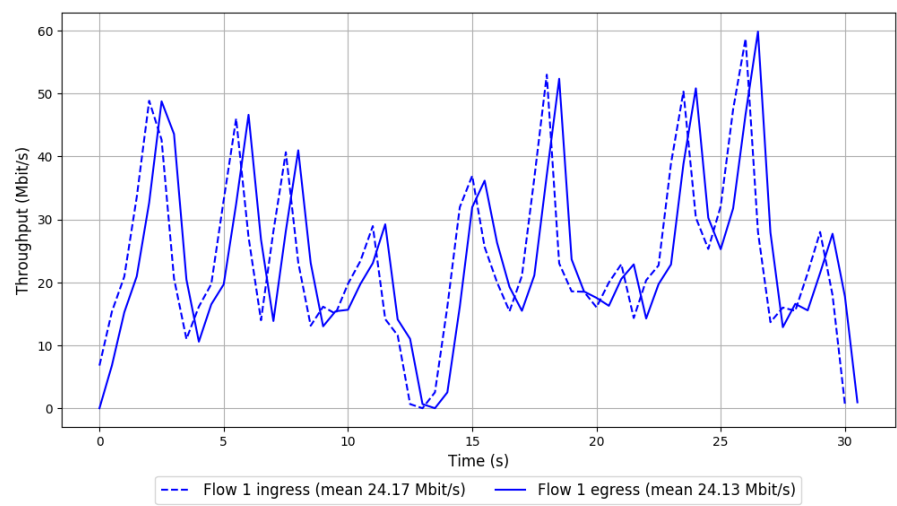


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 01:13:54
End at: 2018-08-09 01:14:24
Local clock offset: 2.171 ms
Remote clock offset: -23.551 ms

# Below is generated by plot.py at 2018-08-09 04:21:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 7.343 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 7.343 ms
Loss rate: 0.17%
```


Run 1: Report of LEDBAT — Data Link

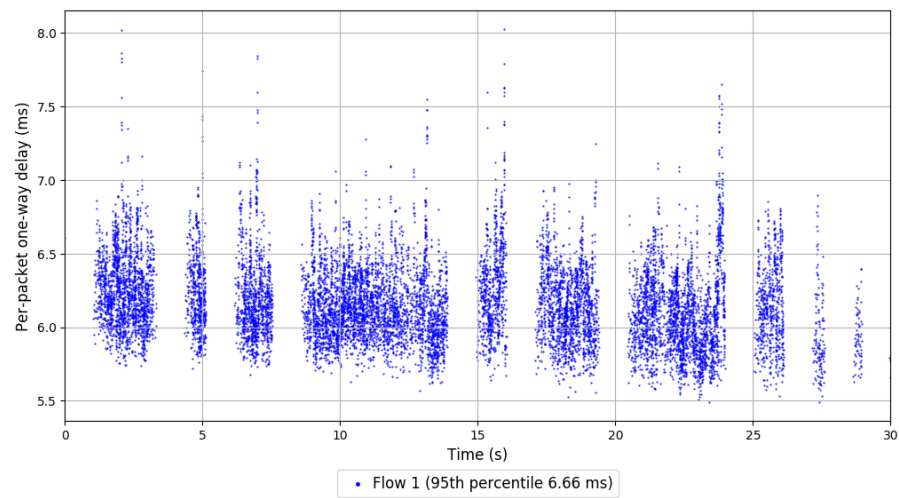
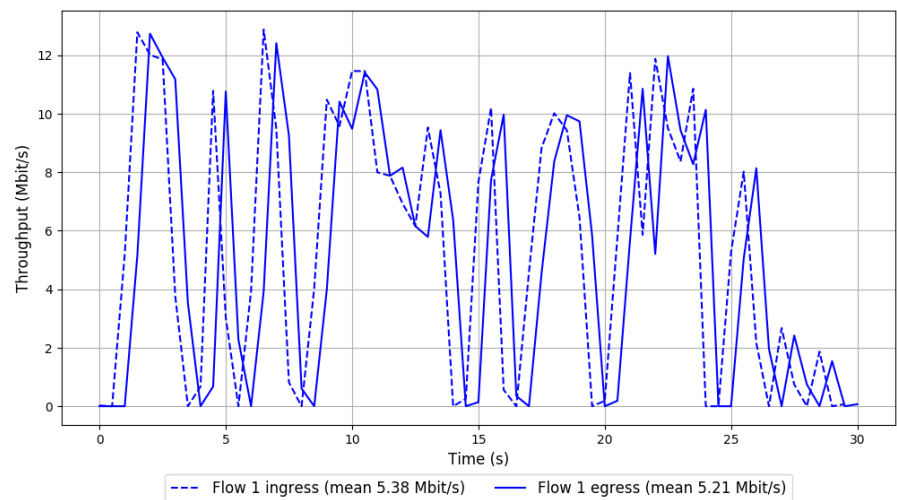


Run 2: Statistics of LEDBAT

Start at: 2018-08-09 01:32:57
End at: 2018-08-09 01:33:27
Local clock offset: 1.486 ms
Remote clock offset: -8.434 ms

Below is generated by plot.py at 2018-08-09 04:21:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 6.658 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 6.658 ms
Loss rate: 3.08%

Run 2: Report of LEDBAT — Data Link

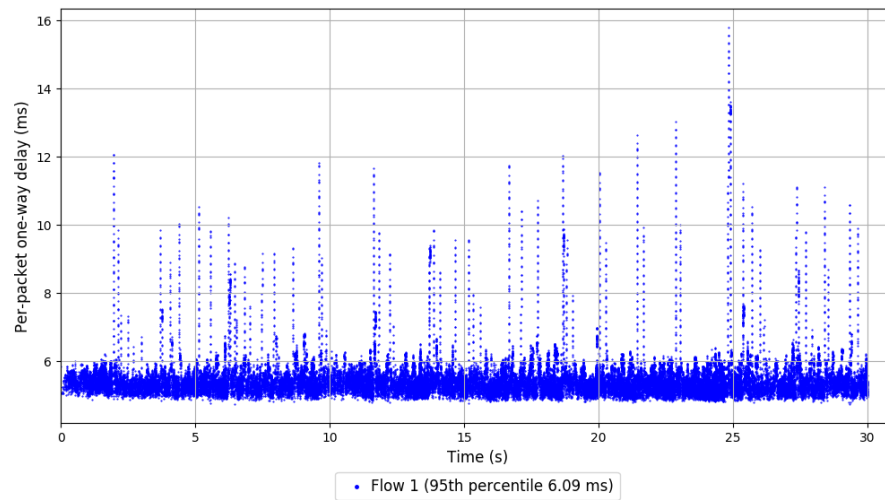
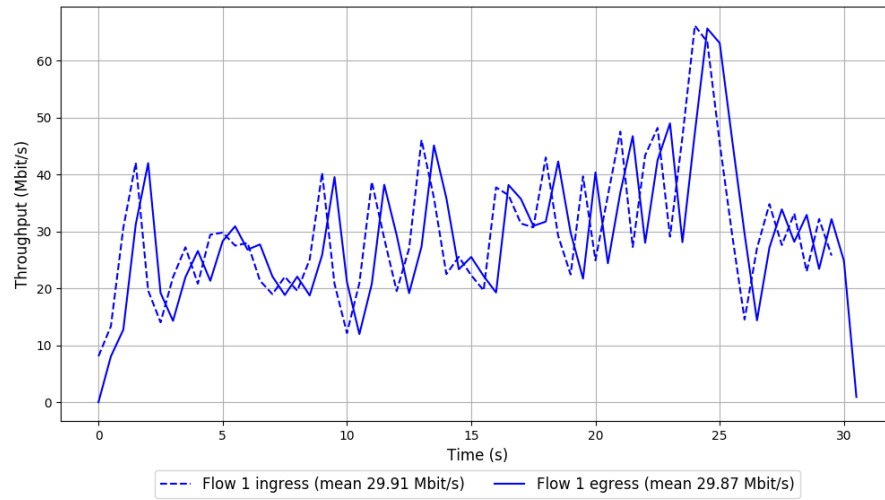


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 01:52:01
End at: 2018-08-09 01:52:31
Local clock offset: 1.292 ms
Remote clock offset: -0.587 ms

Below is generated by plot.py at 2018-08-09 04:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 6.092 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 6.092 ms
Loss rate: 0.14%

Run 3: Report of LEDBAT — Data Link

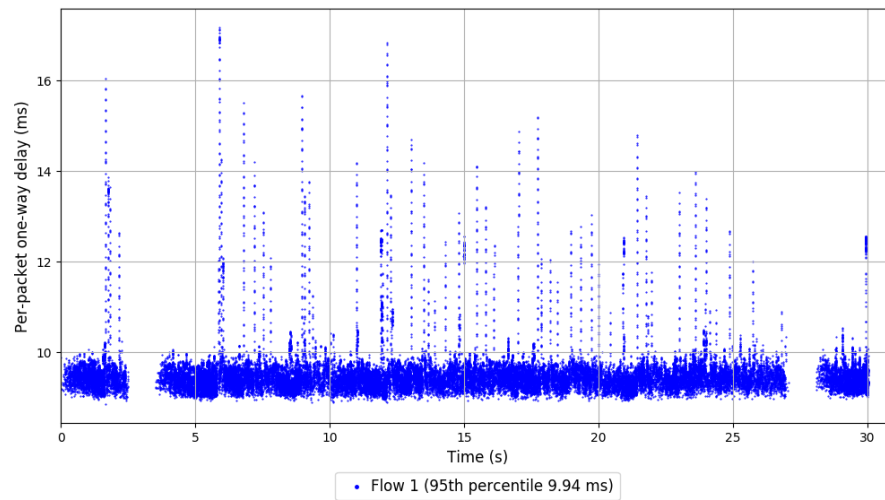
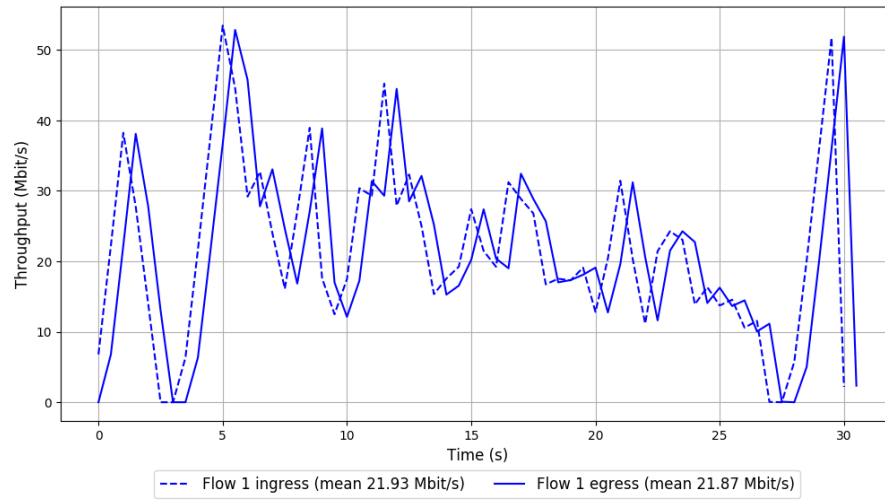


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 02:11:14
End at: 2018-08-09 02:11:45
Local clock offset: -1.079 ms
Remote clock offset: -8.815 ms

Below is generated by plot.py at 2018-08-09 04:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 9.940 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 9.940 ms
Loss rate: 0.32%

Run 4: Report of LEDBAT — Data Link

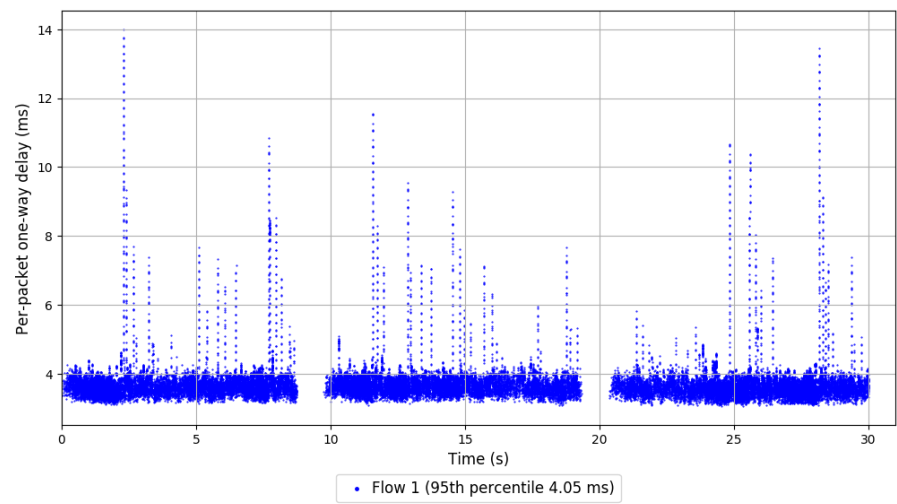
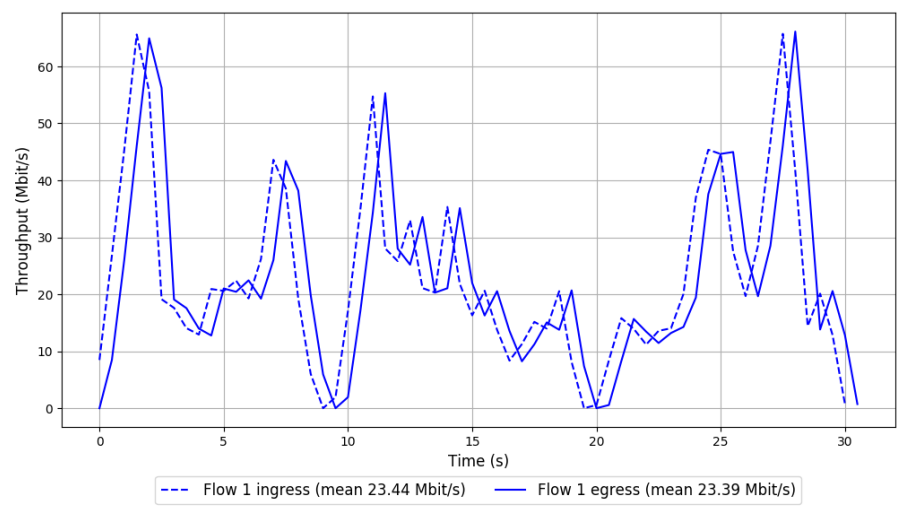


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 02:30:15
End at: 2018-08-09 02:30:45
Local clock offset: 2.704 ms
Remote clock offset: -8.632 ms

Below is generated by plot.py at 2018-08-09 04:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 4.055 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 4.055 ms
Loss rate: 0.25%

Run 5: Report of LEDBAT — Data Link

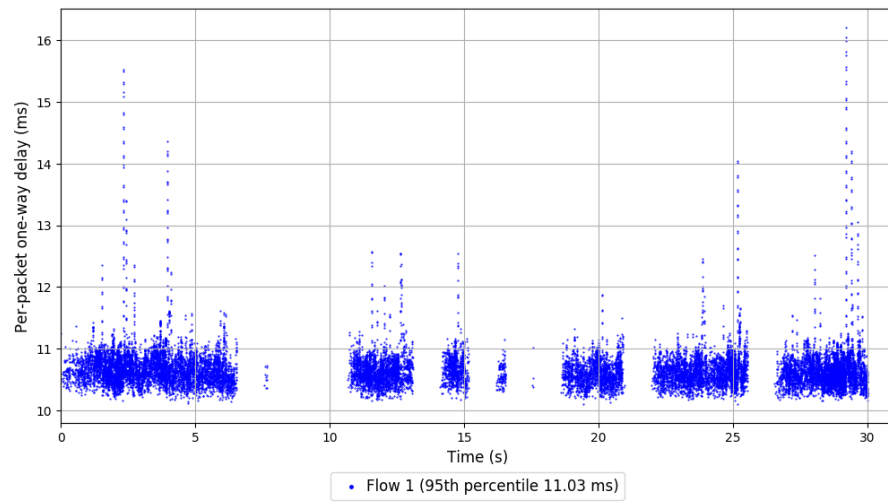
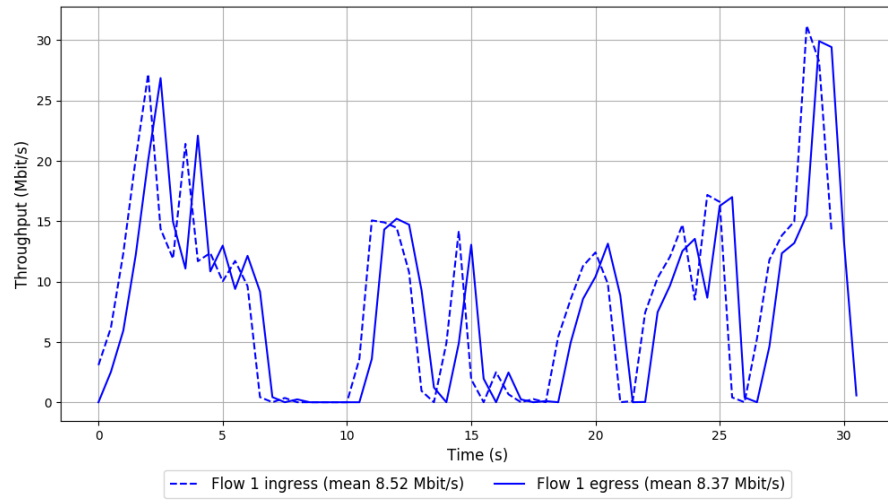


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 02:49:28
End at: 2018-08-09 02:49:58
Local clock offset: -3.493 ms
Remote clock offset: -6.471 ms

Below is generated by plot.py at 2018-08-09 04:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 11.029 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 11.029 ms
Loss rate: 1.74%

Run 6: Report of LEDBAT — Data Link

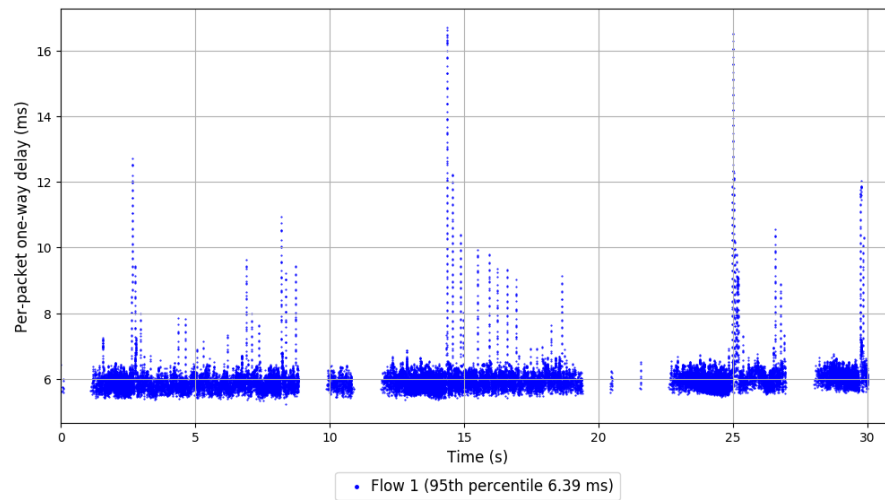
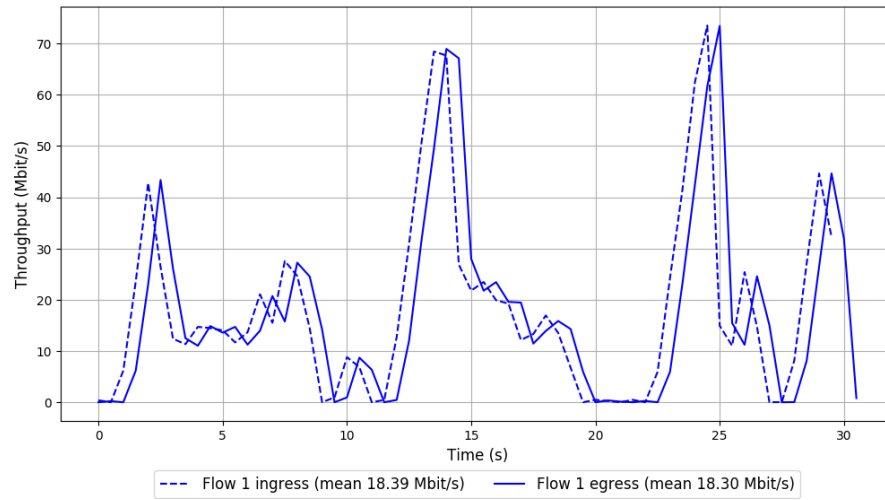


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 03:08:33
End at: 2018-08-09 03:09:03
Local clock offset: -0.003 ms
Remote clock offset: -10.995 ms

Below is generated by plot.py at 2018-08-09 04:21:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 6.389 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 6.389 ms
Loss rate: 0.47%

Run 7: Report of LEDBAT — Data Link

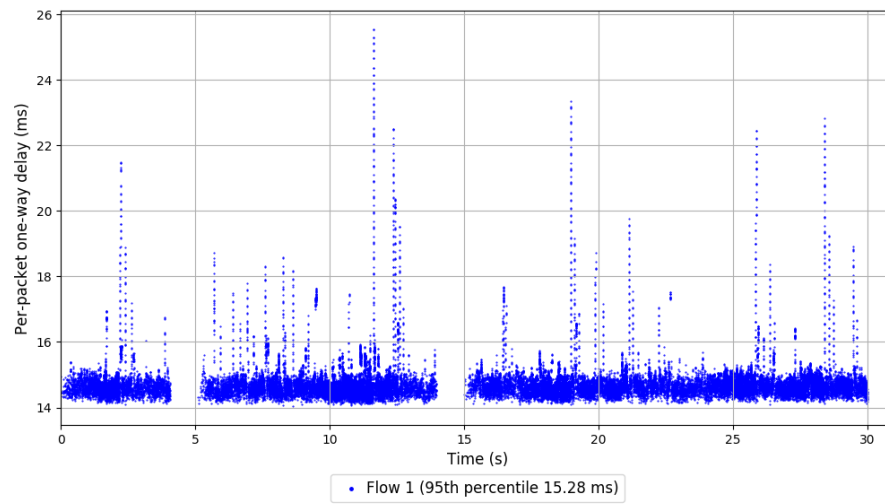
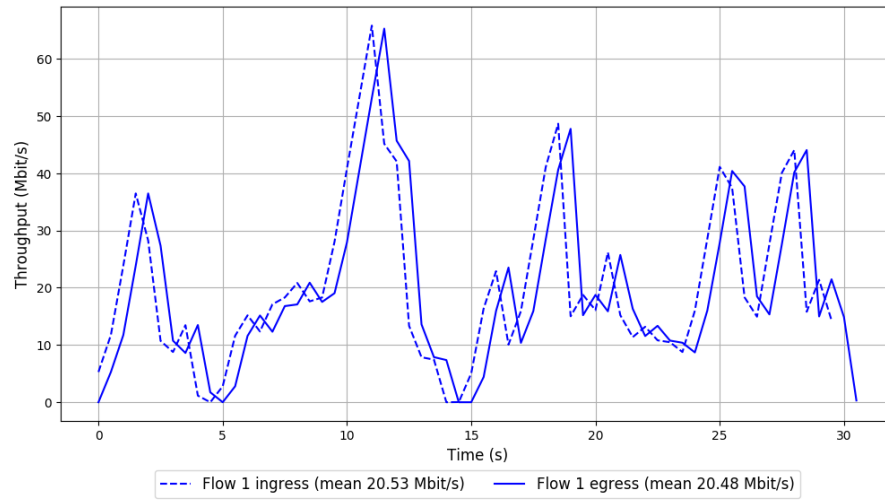


Run 8: Statistics of LEDBAT

Start at: 2018-08-09 03:27:37
End at: 2018-08-09 03:28:07
Local clock offset: -2.102 ms
Remote clock offset: -14.37 ms

Below is generated by plot.py at 2018-08-09 04:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 15.279 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 15.279 ms
Loss rate: 0.22%

Run 8: Report of LEDBAT — Data Link

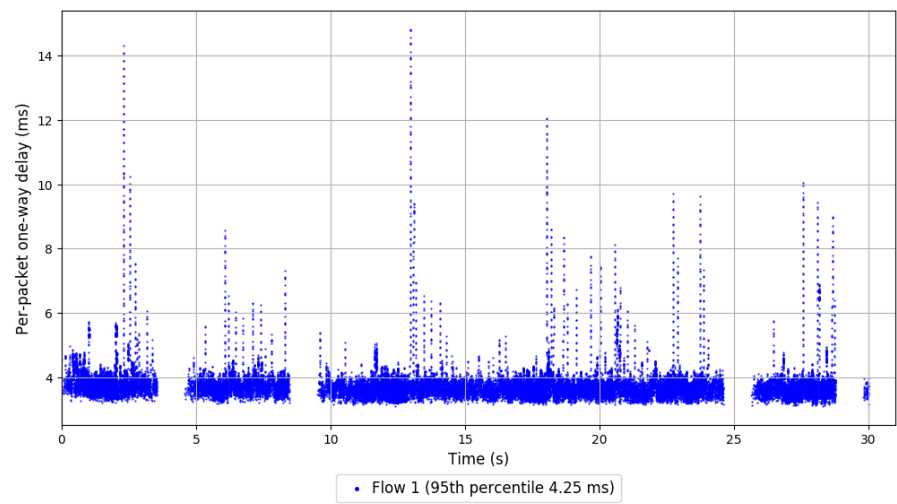
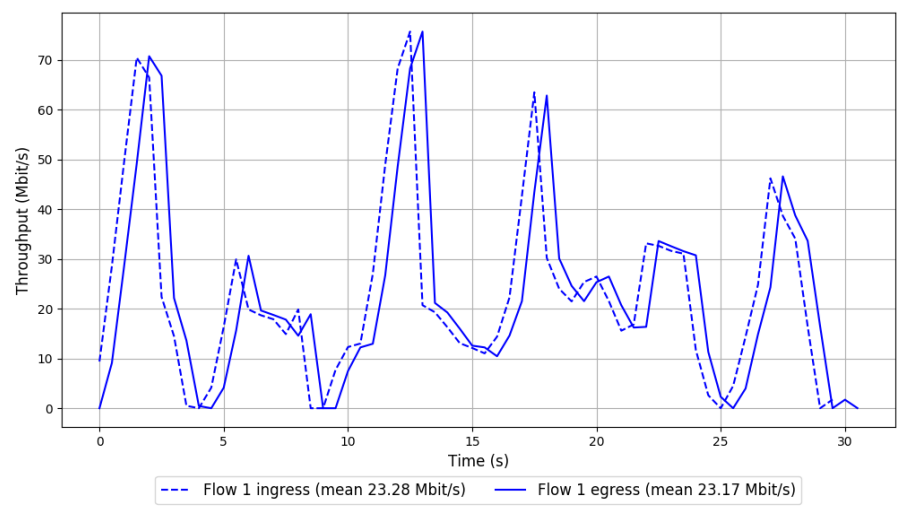


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 03:46:39
End at: 2018-08-09 03:47:09
Local clock offset: 1.411 ms
Remote clock offset: -7.578 ms

Below is generated by plot.py at 2018-08-09 04:21:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.46%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-09 04:05:52

End at: 2018-08-09 04:06:22

Local clock offset: 2.519 ms

Remote clock offset: -3.316 ms

Below is generated by plot.py at 2018-08-09 04:21:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 11.349 ms

Loss rate: 0.27%

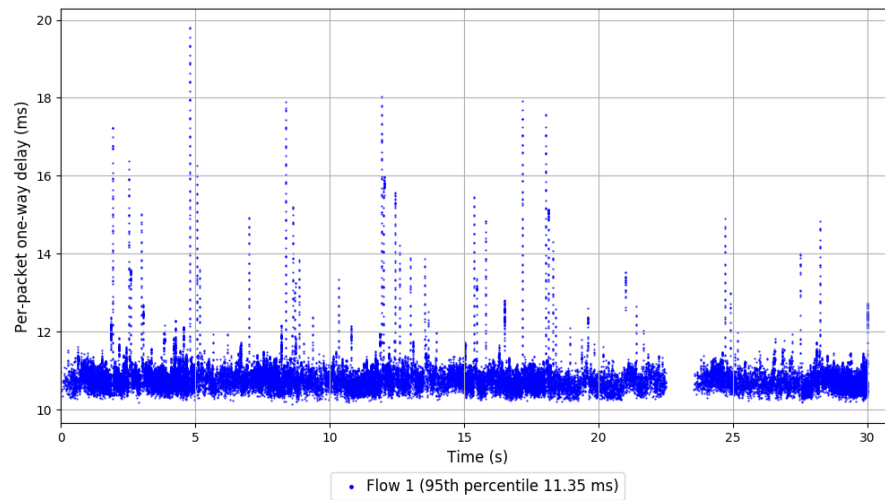
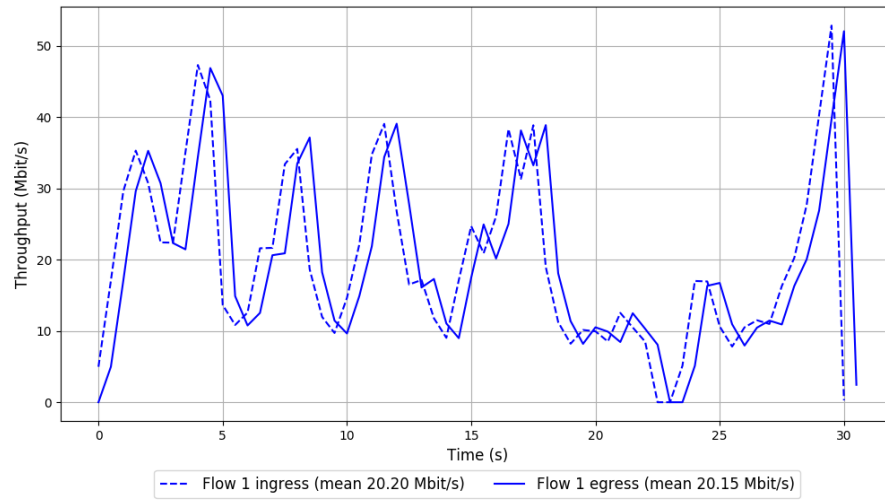
-- Flow 1:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 11.349 ms

Loss rate: 0.27%

Run 10: Report of LEDBAT — Data Link

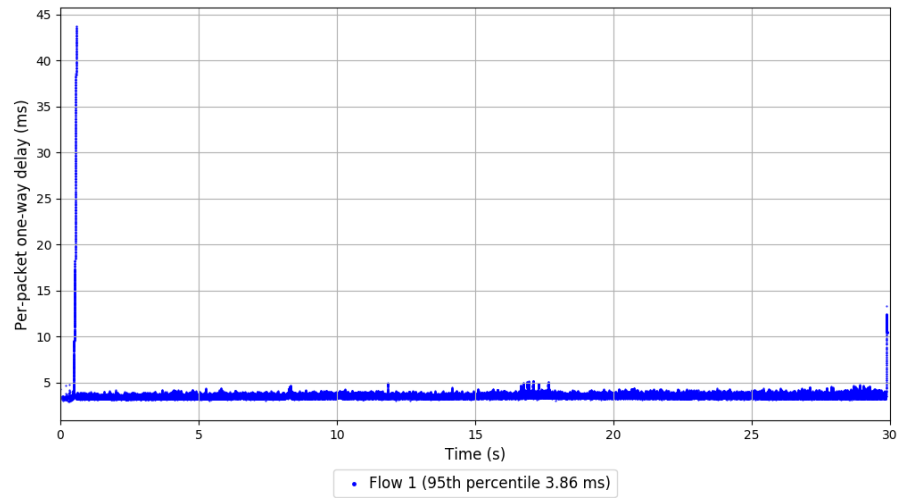
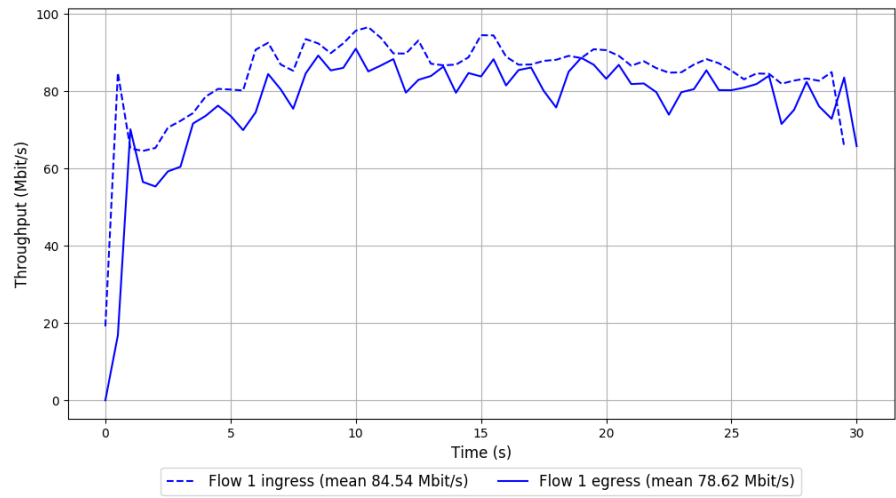


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 01:08:15
End at: 2018-08-09 01:08:45
Local clock offset: 1.483 ms
Remote clock offset: -24.193 ms

# Below is generated by plot.py at 2018-08-09 04:22:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 3.858 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 3.858 ms
Loss rate: 6.99%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 01:27:22

End at: 2018-08-09 01:27:52

Local clock offset: -4.008 ms

Remote clock offset: -13.98 ms

Below is generated by plot.py at 2018-08-09 04:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.63 Mbit/s

95th percentile per-packet one-way delay: 7.972 ms

Loss rate: 8.42%

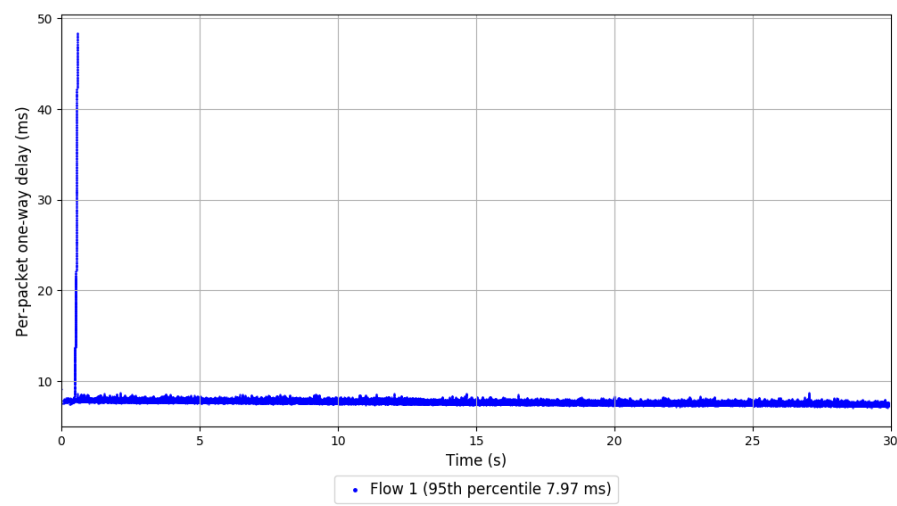
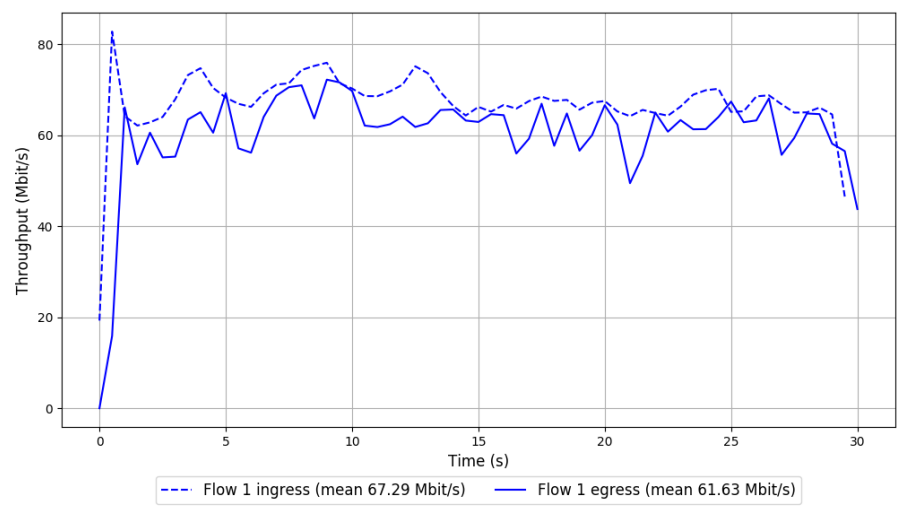
-- Flow 1:

Average throughput: 61.63 Mbit/s

95th percentile per-packet one-way delay: 7.972 ms

Loss rate: 8.42%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 01:46:25

End at: 2018-08-09 01:46:55

Local clock offset: 0.808 ms

Remote clock offset: -3.555 ms

Below is generated by plot.py at 2018-08-09 04:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 3.841 ms

Loss rate: 2.84%

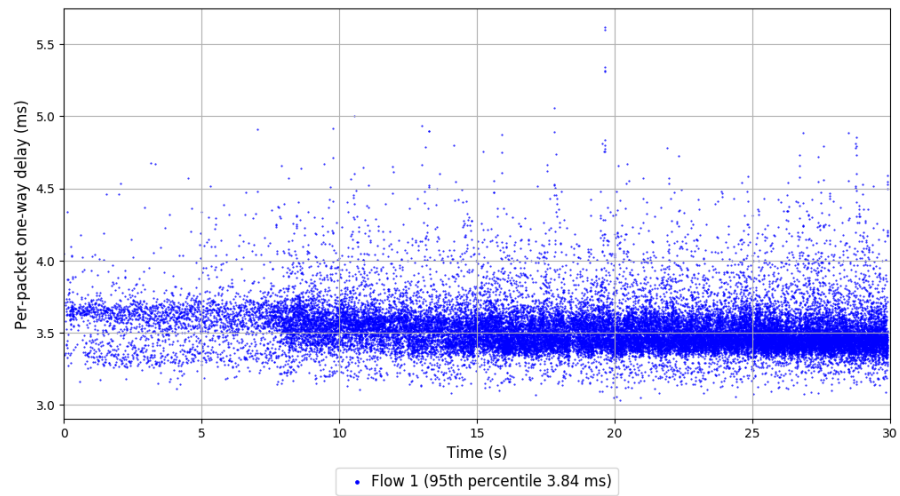
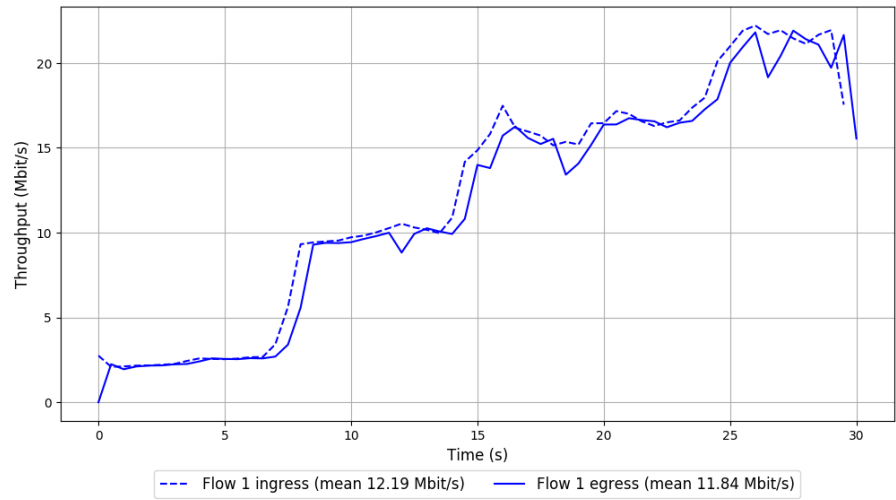
-- Flow 1:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 3.841 ms

Loss rate: 2.84%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 02:05:35

End at: 2018-08-09 02:06:05

Local clock offset: -0.948 ms

Remote clock offset: -9.242 ms

Below is generated by plot.py at 2018-08-09 04:22:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 17.028 ms

Loss rate: 9.48%

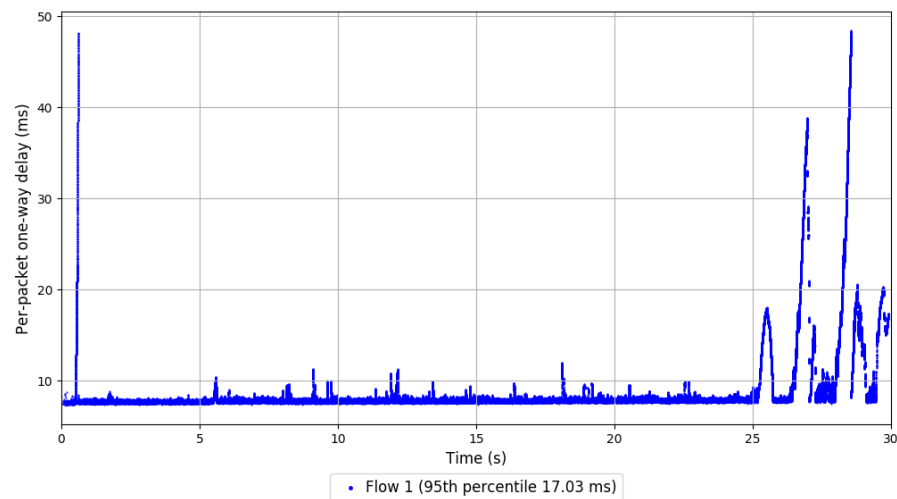
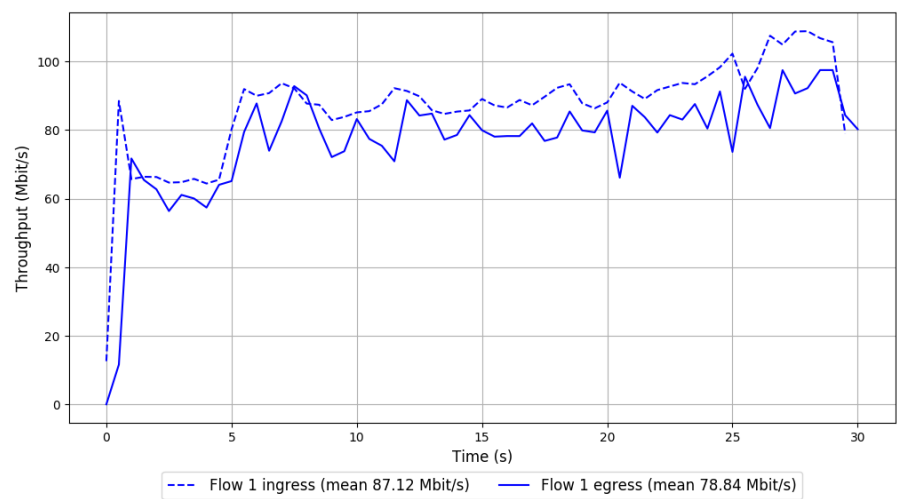
-- Flow 1:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 17.028 ms

Loss rate: 9.48%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 02:24:39

End at: 2018-08-09 02:25:09

Local clock offset: -0.161 ms

Remote clock offset: -8.133 ms

Below is generated by plot.py at 2018-08-09 04:22:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 10.346 ms

Loss rate: 8.96%

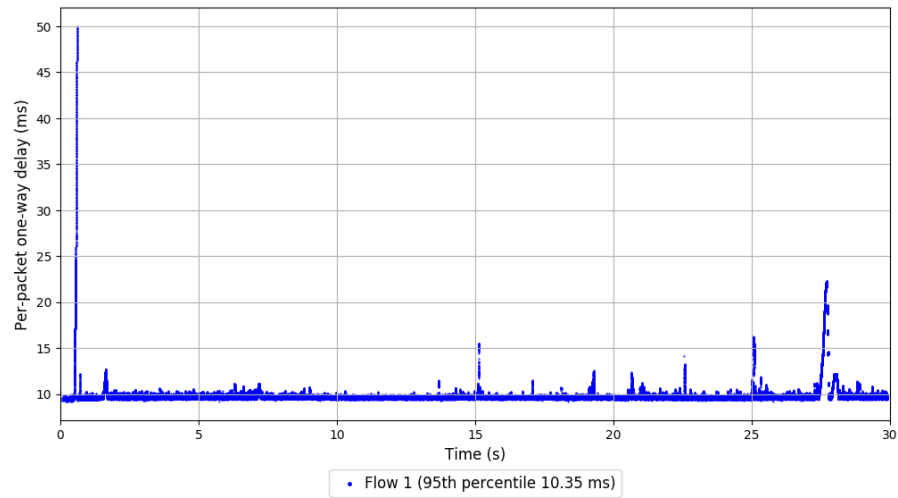
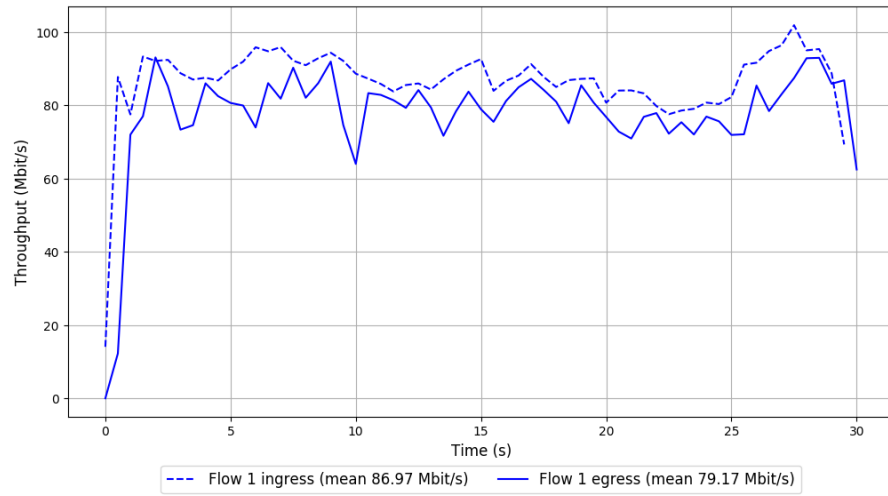
-- Flow 1:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 10.346 ms

Loss rate: 8.96%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 02:43:45

End at: 2018-08-09 02:44:15

Local clock offset: -1.033 ms

Remote clock offset: -7.226 ms

Below is generated by plot.py at 2018-08-09 04:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.09 Mbit/s

95th percentile per-packet one-way delay: 10.299 ms

Loss rate: 10.13%

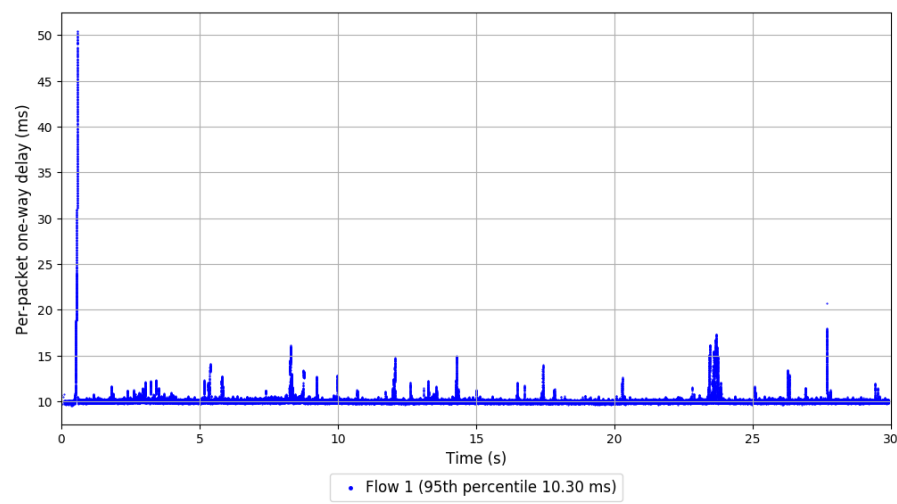
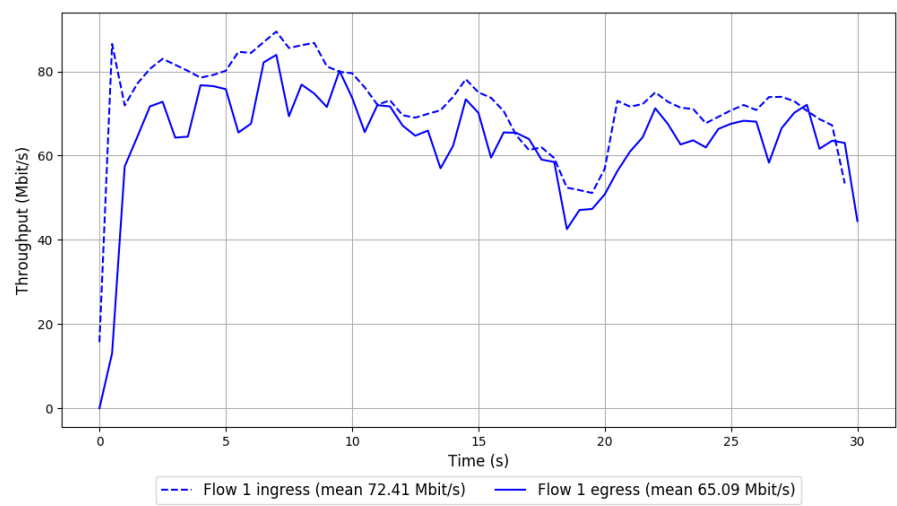
-- Flow 1:

Average throughput: 65.09 Mbit/s

95th percentile per-packet one-way delay: 10.299 ms

Loss rate: 10.13%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 03:02:54

End at: 2018-08-09 03:03:24

Local clock offset: -0.269 ms

Remote clock offset: -8.008 ms

Below is generated by plot.py at 2018-08-09 04:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 6.357 ms

Loss rate: 10.29%

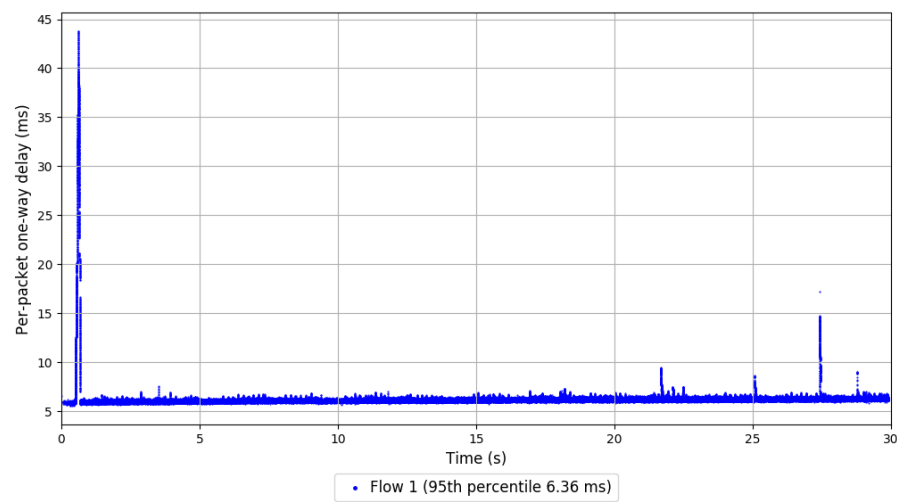
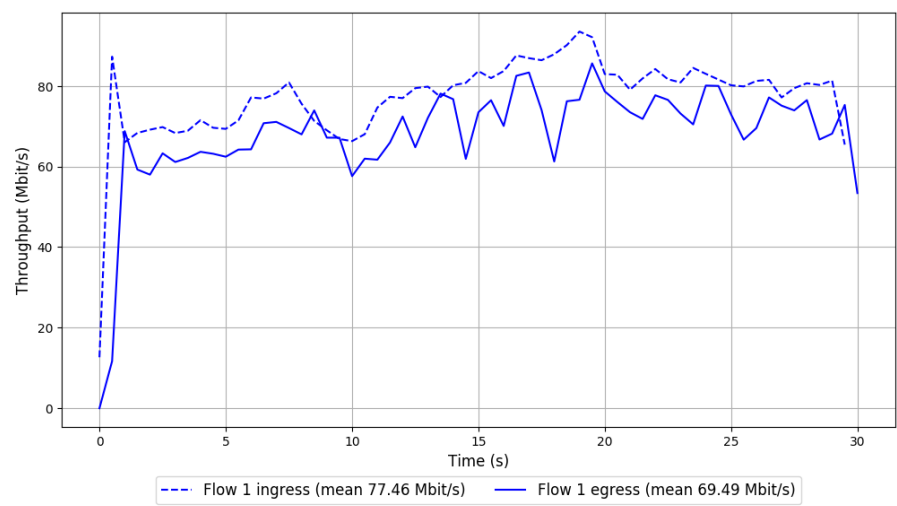
-- Flow 1:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 6.357 ms

Loss rate: 10.29%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 03:22:02

End at: 2018-08-09 03:22:32

Local clock offset: 1.844 ms

Remote clock offset: -13.859 ms

Below is generated by plot.py at 2018-08-09 04:22:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 7.530 ms

Loss rate: 6.15%

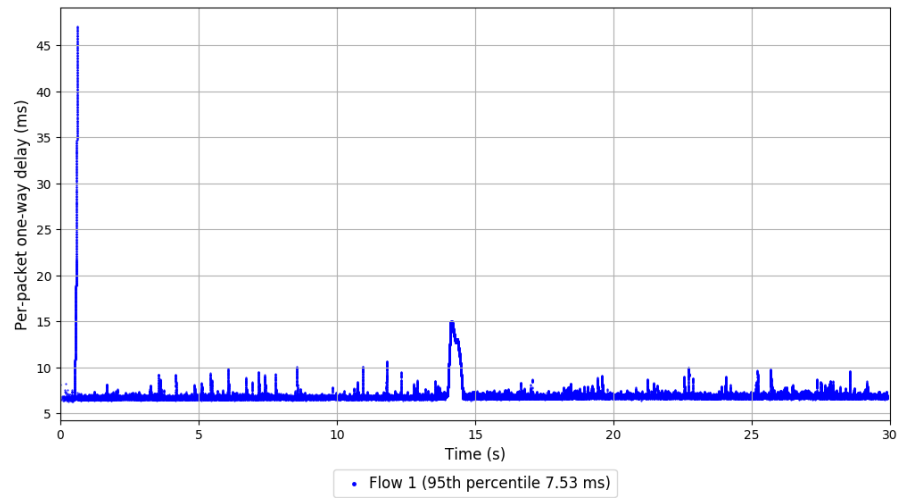
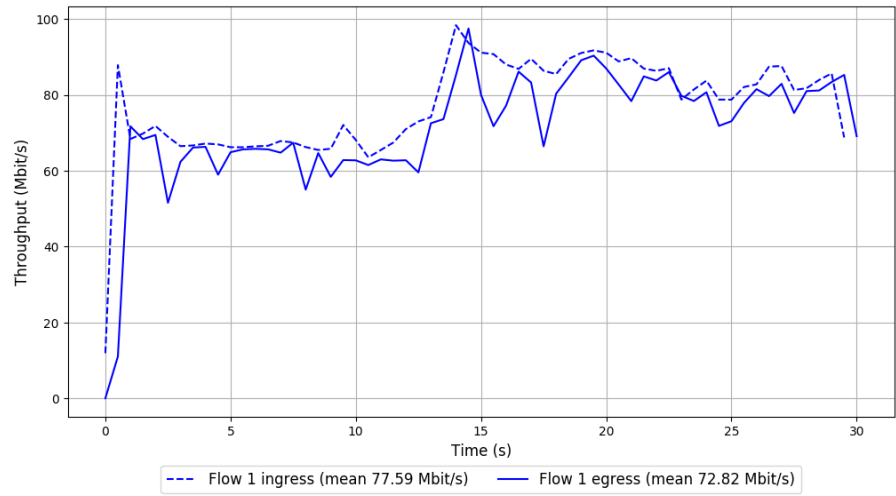
-- Flow 1:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 7.530 ms

Loss rate: 6.15%

Run 8: Report of PCC-Allegro — Data Link

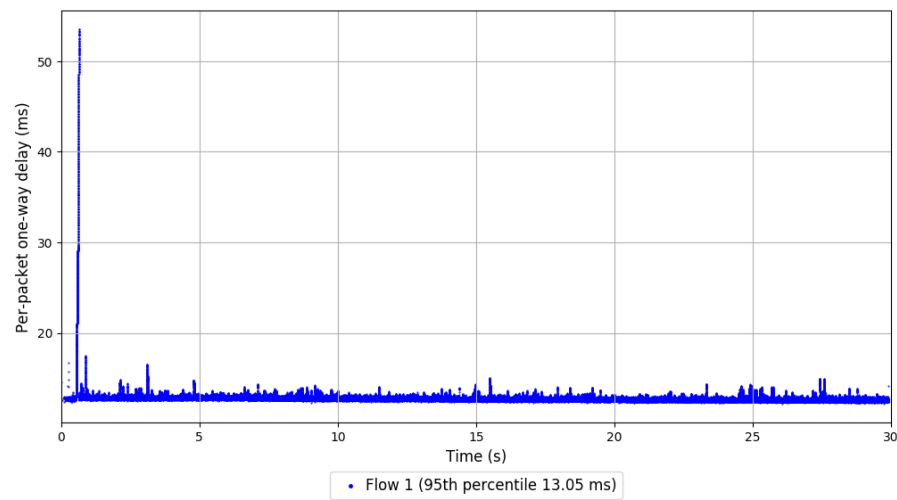
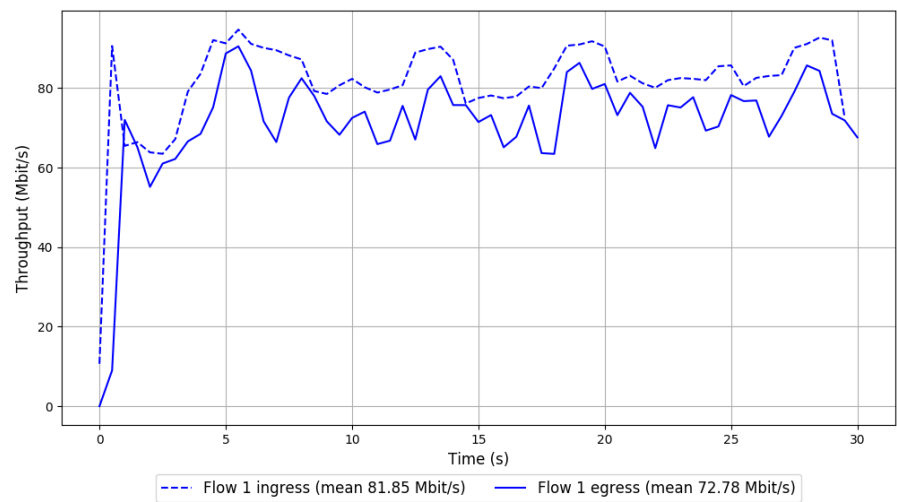


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 03:41:00
End at: 2018-08-09 03:41:30
Local clock offset: -0.939 ms
Remote clock offset: -10.44 ms

Below is generated by plot.py at 2018-08-09 04:22:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 13.048 ms
Loss rate: 11.11%
-- Flow 1:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 13.048 ms
Loss rate: 11.11%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 04:00:14

End at: 2018-08-09 04:00:44

Local clock offset: -1.975 ms

Remote clock offset: -4.407 ms

Below is generated by plot.py at 2018-08-09 04:23:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 14.686 ms

Loss rate: 11.20%

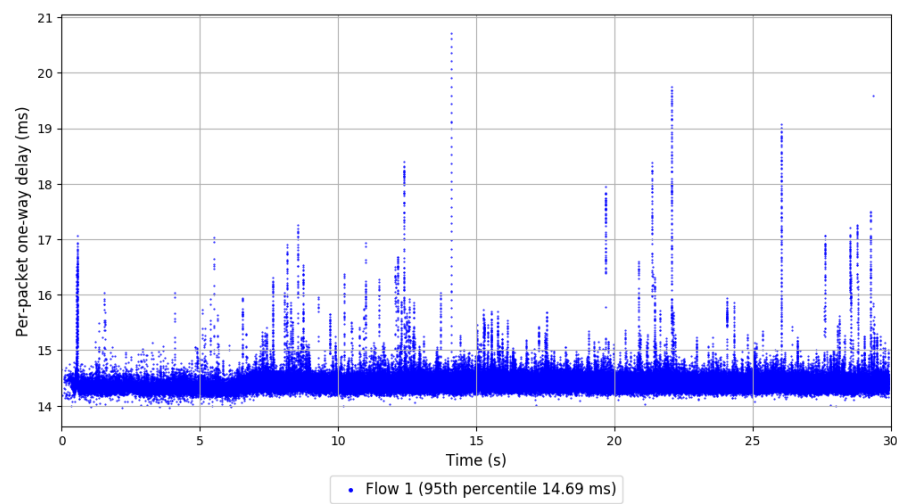
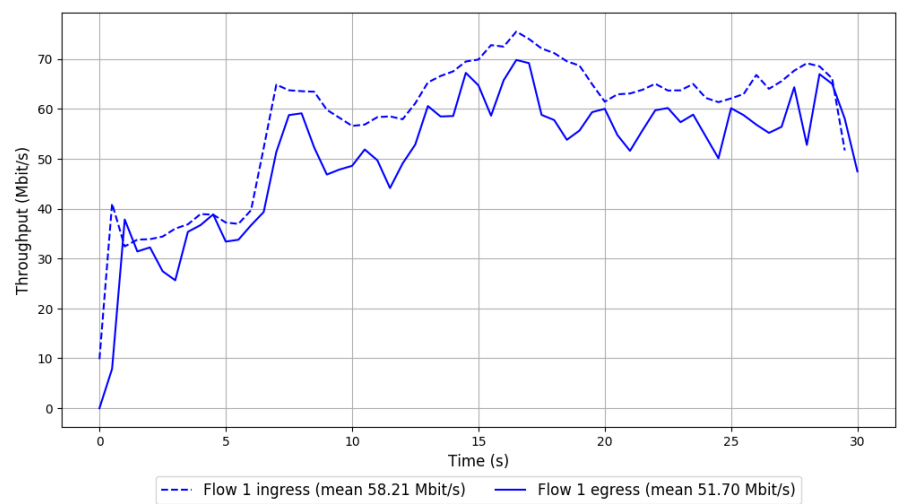
-- Flow 1:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 14.686 ms

Loss rate: 11.20%

Run 10: Report of PCC-Allegro — Data Link

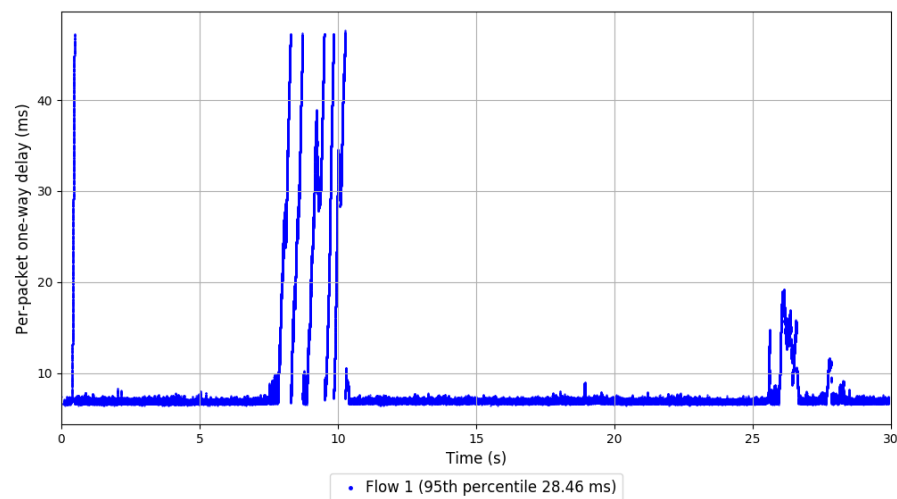
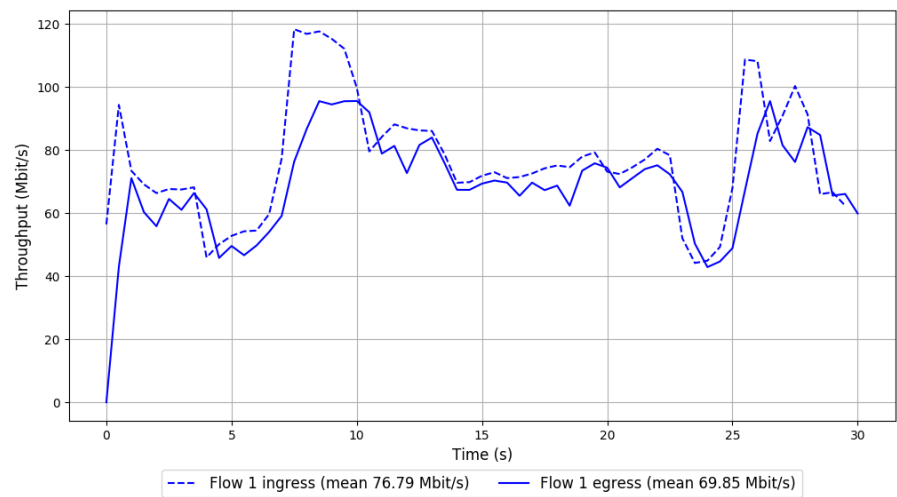


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 01:03:43
End at: 2018-08-09 01:04:13
Local clock offset: -2.475 ms
Remote clock offset: -24.234 ms

# Below is generated by plot.py at 2018-08-09 04:24:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 28.457 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 28.457 ms
Loss rate: 9.03%
```


Run 1: Report of PCC-Expr — Data Link

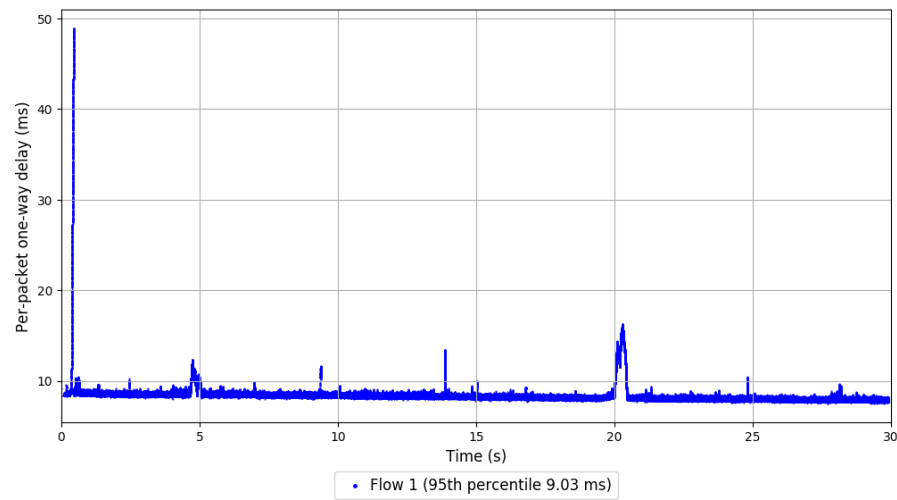
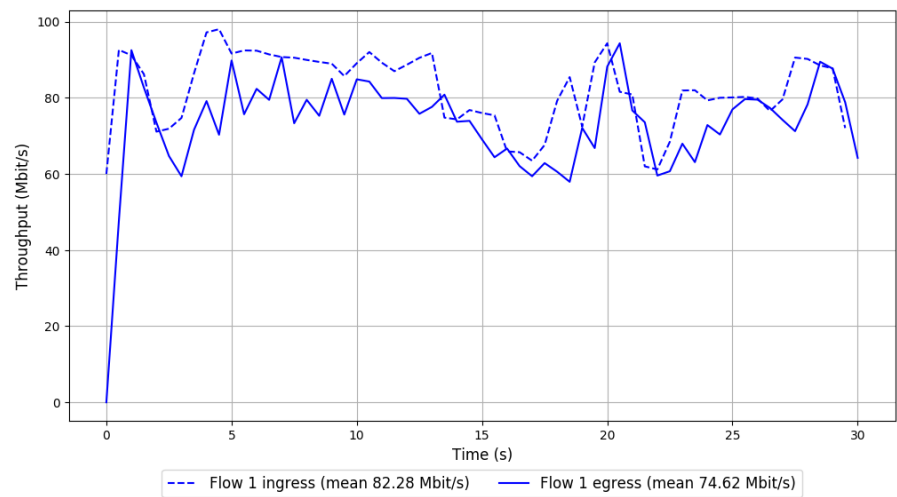


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 01:22:54
End at: 2018-08-09 01:23:24
Local clock offset: -4.348 ms
Remote clock offset: -19.134 ms

Below is generated by plot.py at 2018-08-09 04:24:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.62 Mbit/s
95th percentile per-packet one-way delay: 9.026 ms
Loss rate: 9.32%
-- Flow 1:
Average throughput: 74.62 Mbit/s
95th percentile per-packet one-way delay: 9.026 ms
Loss rate: 9.32%

Run 2: Report of PCC-Expr — Data Link

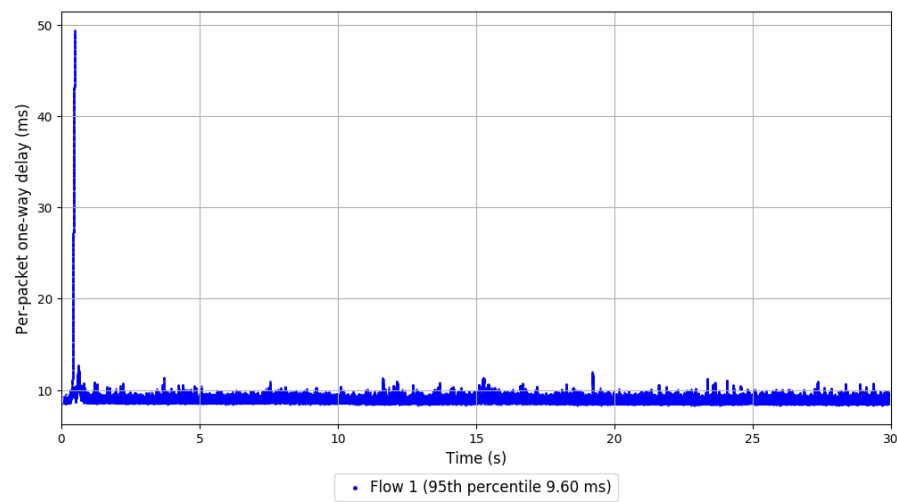
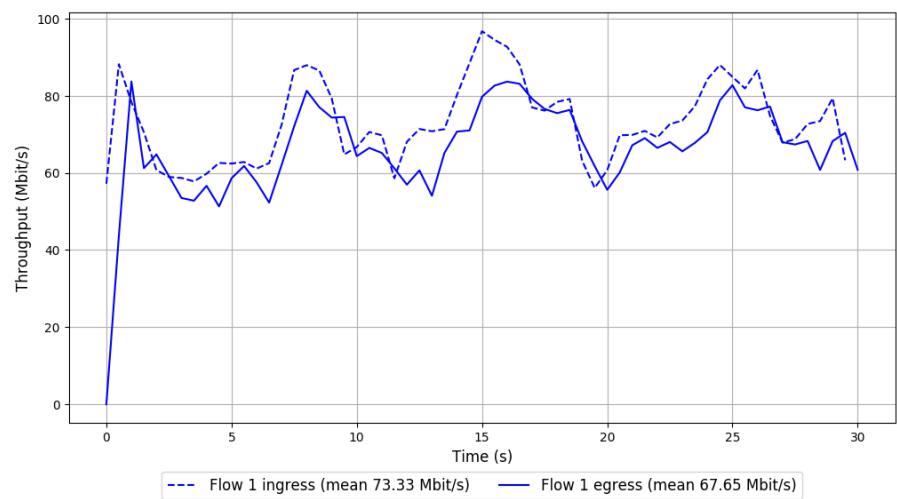


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 01:41:57
End at: 2018-08-09 01:42:27
Local clock offset: -1.4 ms
Remote clock offset: -4.261 ms

Below is generated by plot.py at 2018-08-09 04:24:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.65 Mbit/s
95th percentile per-packet one-way delay: 9.599 ms
Loss rate: 7.75%
-- Flow 1:
Average throughput: 67.65 Mbit/s
95th percentile per-packet one-way delay: 9.599 ms
Loss rate: 7.75%

Run 3: Report of PCC-Expr — Data Link

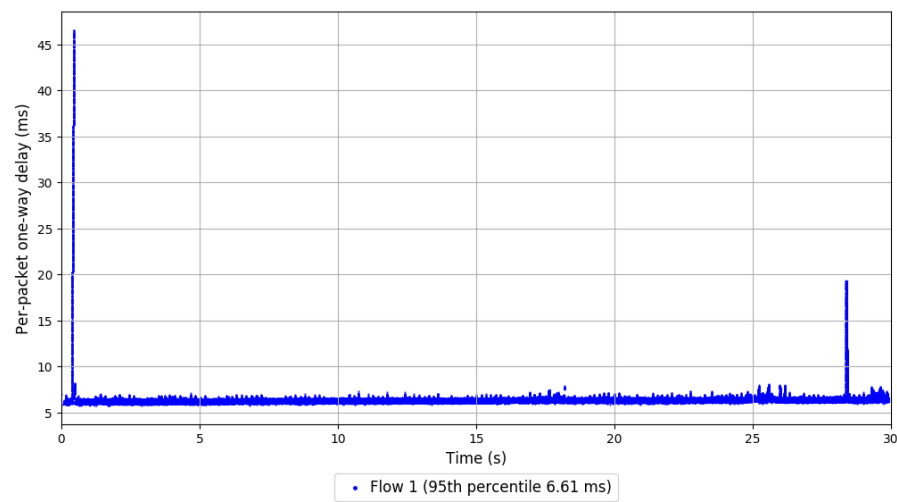
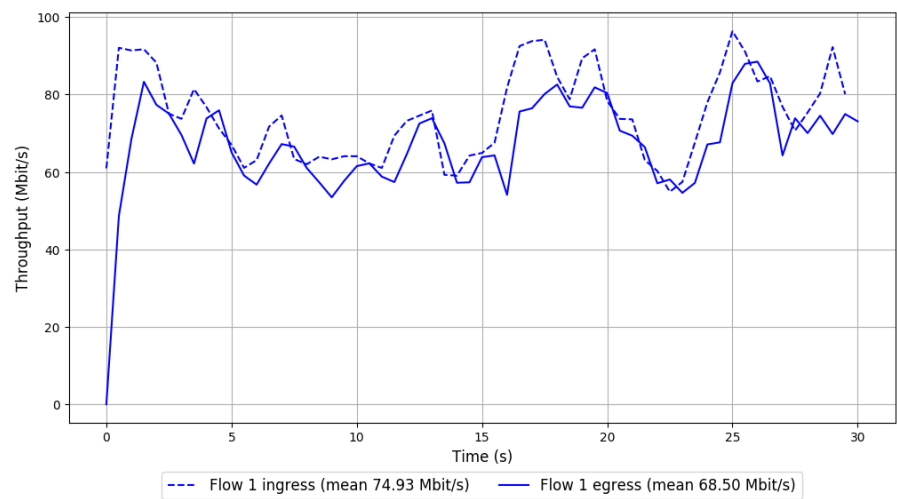


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 02:01:07
End at: 2018-08-09 02:01:37
Local clock offset: -0.555 ms
Remote clock offset: -6.527 ms

Below is generated by plot.py at 2018-08-09 04:24:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 6.606 ms
Loss rate: 8.59%
-- Flow 1:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 6.606 ms
Loss rate: 8.59%

Run 4: Report of PCC-Expr — Data Link

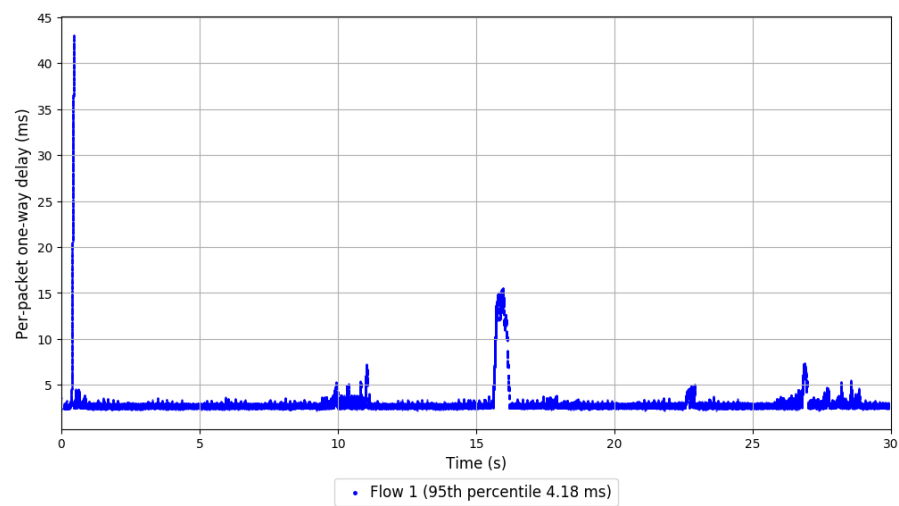
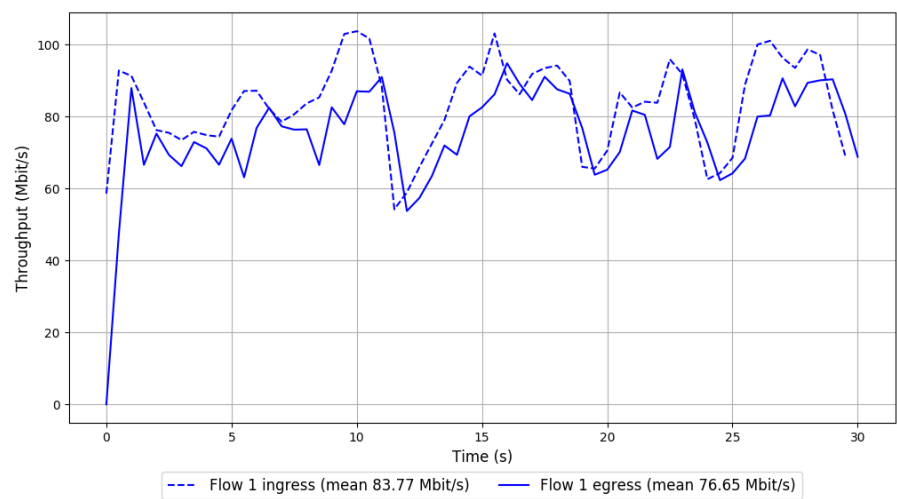


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 02:20:11
End at: 2018-08-09 02:20:41
Local clock offset: 2.533 ms
Remote clock offset: -9.895 ms

Below is generated by plot.py at 2018-08-09 04:24:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 4.180 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 4.180 ms
Loss rate: 8.50%

Run 5: Report of PCC-Expr — Data Link

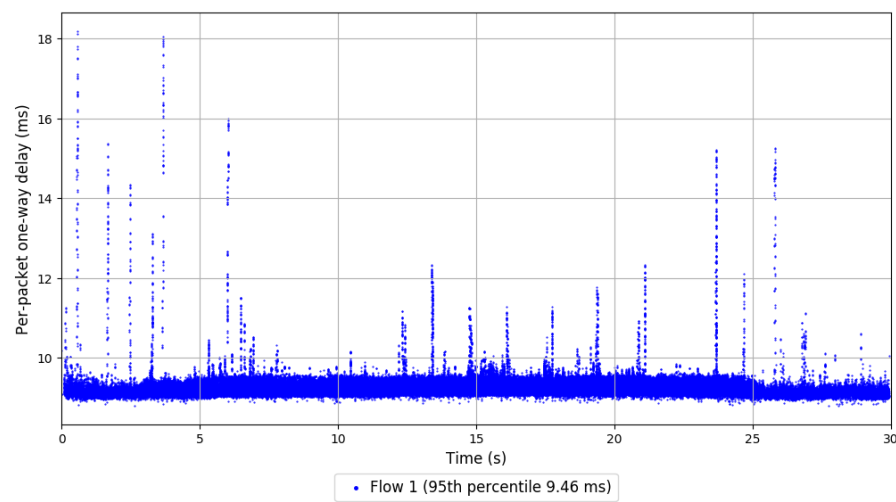
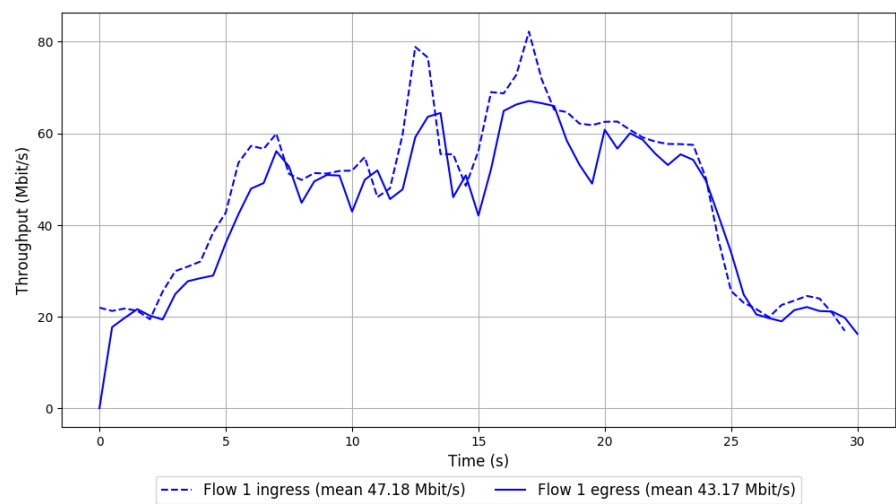


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 02:39:15
End at: 2018-08-09 02:39:45
Local clock offset: -0.448 ms
Remote clock offset: -7.603 ms

Below is generated by plot.py at 2018-08-09 04:24:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.17 Mbit/s
95th percentile per-packet one-way delay: 9.463 ms
Loss rate: 8.51%
-- Flow 1:
Average throughput: 43.17 Mbit/s
95th percentile per-packet one-way delay: 9.463 ms
Loss rate: 8.51%

Run 6: Report of PCC-Expr — Data Link

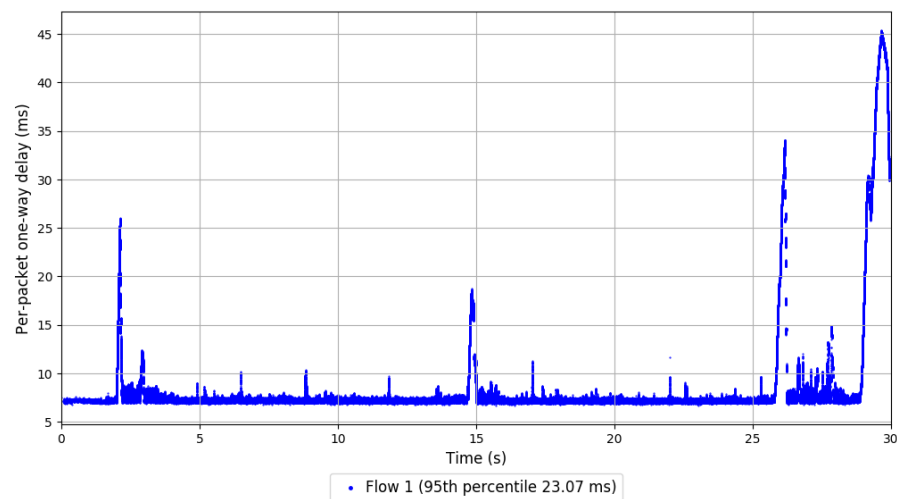
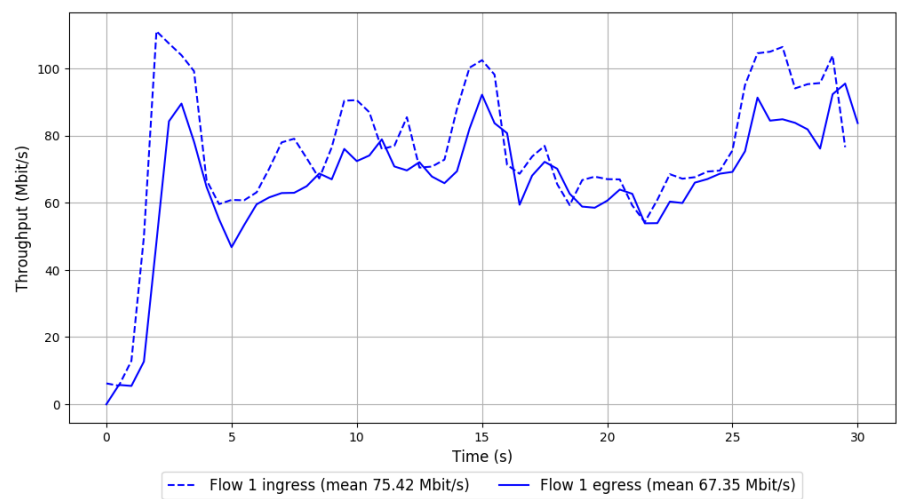


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 02:58:27
End at: 2018-08-09 02:58:57
Local clock offset: 1.251 ms
Remote clock offset: -6.837 ms

Below is generated by plot.py at 2018-08-09 04:24:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 23.075 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 23.075 ms
Loss rate: 10.64%

Run 7: Report of PCC-Expr — Data Link

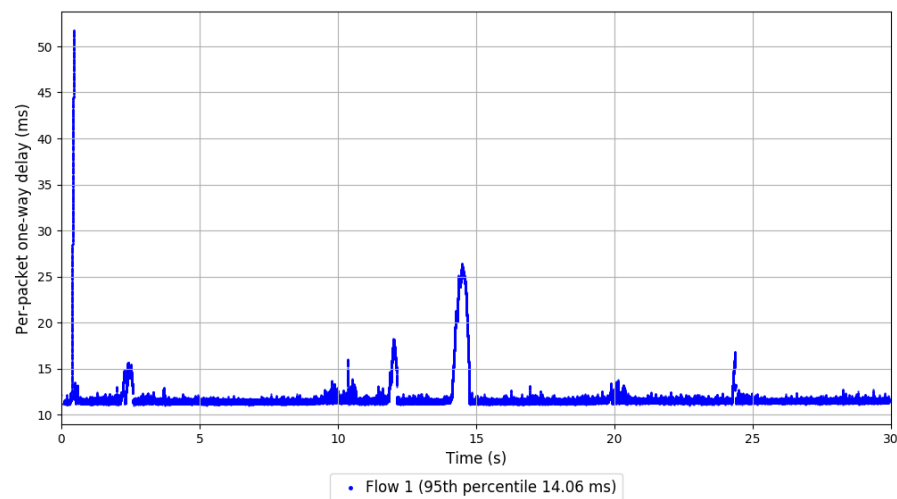
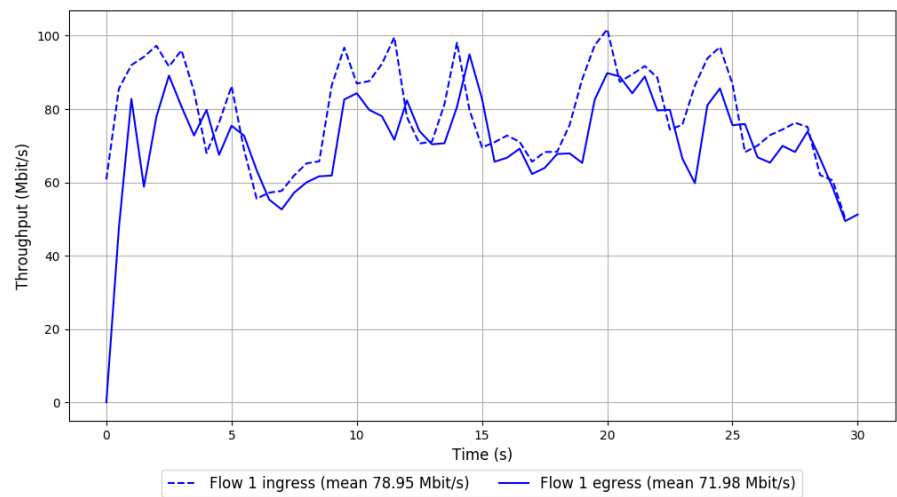


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 03:17:33
End at: 2018-08-09 03:18:03
Local clock offset: -5.591 ms
Remote clock offset: -13.318 ms

Below is generated by plot.py at 2018-08-09 04:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.98 Mbit/s
95th percentile per-packet one-way delay: 14.064 ms
Loss rate: 8.84%
-- Flow 1:
Average throughput: 71.98 Mbit/s
95th percentile per-packet one-way delay: 14.064 ms
Loss rate: 8.84%

Run 8: Report of PCC-Expr — Data Link

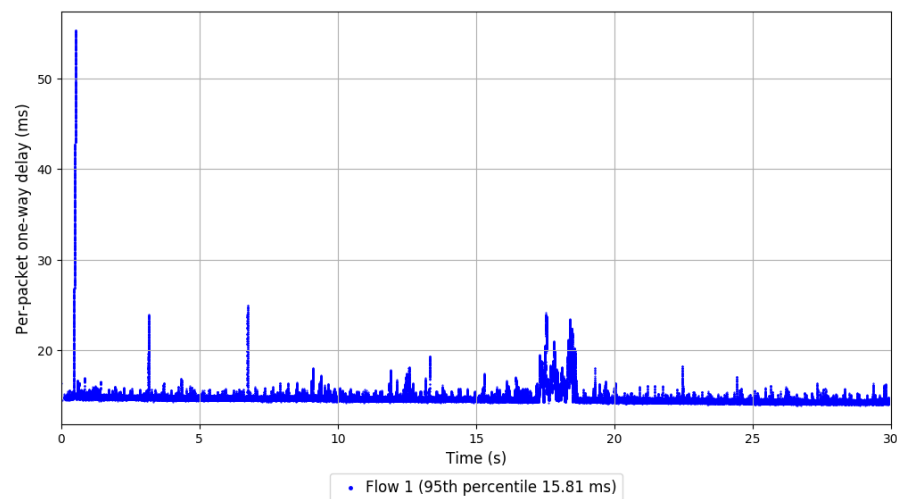
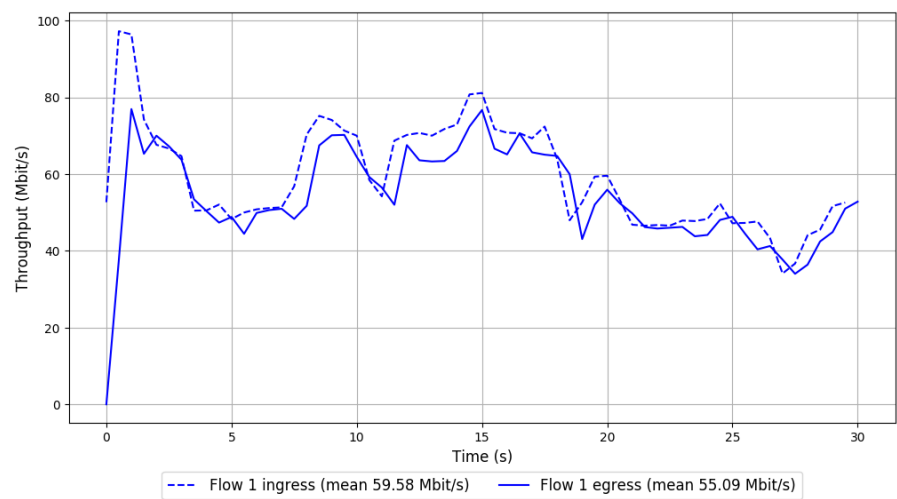


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 03:36:33
End at: 2018-08-09 03:37:04
Local clock offset: -2.18 ms
Remote clock offset: -13.628 ms

Below is generated by plot.py at 2018-08-09 04:25:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 15.815 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 15.815 ms
Loss rate: 7.58%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 03:55:44

End at: 2018-08-09 03:56:14

Local clock offset: 2.621 ms

Remote clock offset: -3.371 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.54 Mbit/s

95th percentile per-packet one-way delay: 15.224 ms

Loss rate: 10.09%

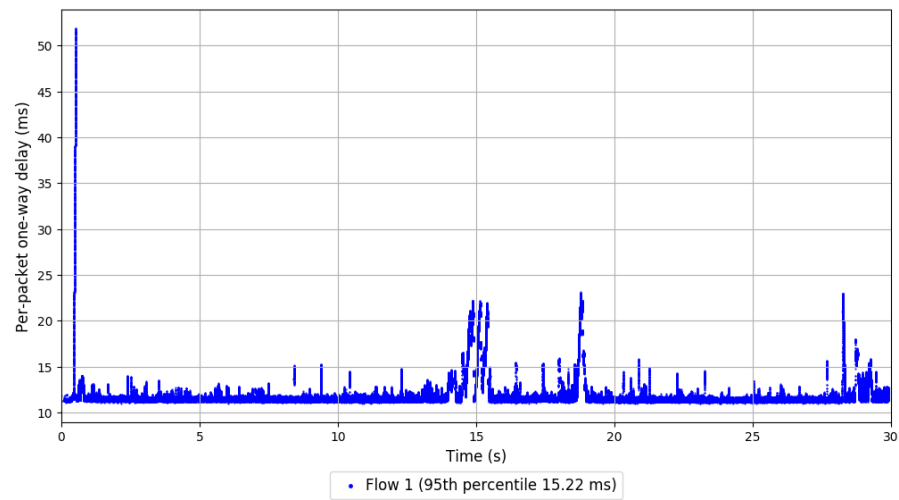
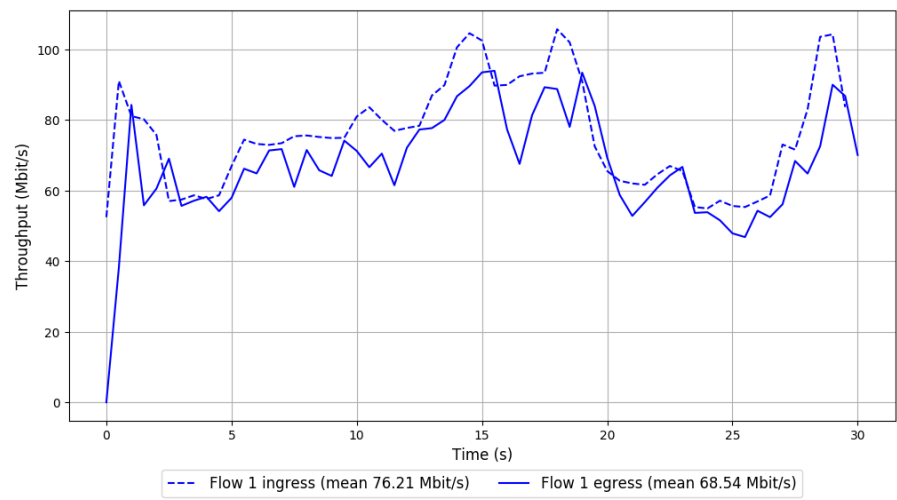
-- Flow 1:

Average throughput: 68.54 Mbit/s

95th percentile per-packet one-way delay: 15.224 ms

Loss rate: 10.09%

Run 10: Report of PCC-Expr — Data Link

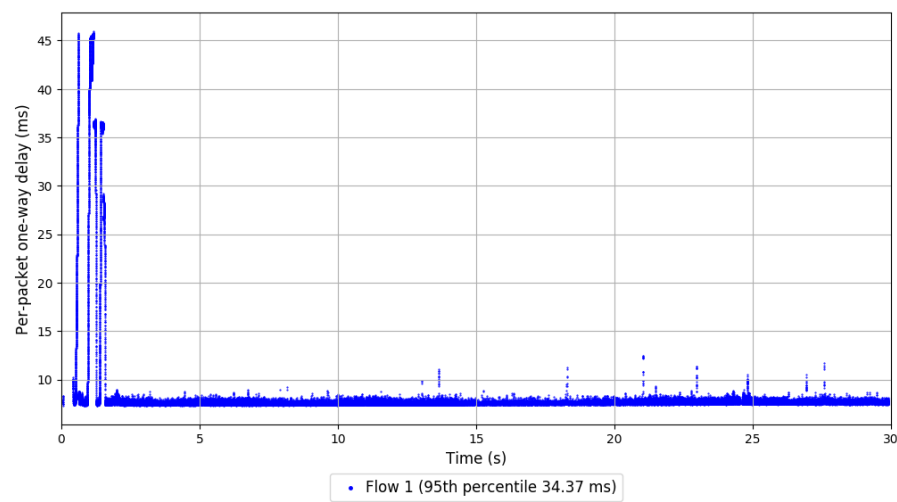
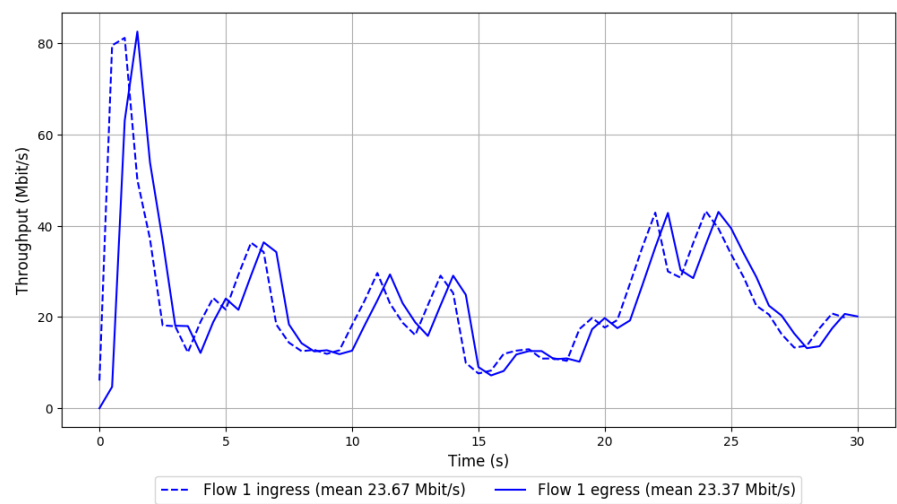


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 01:16:04
End at: 2018-08-09 01:16:34
Local clock offset: 1.163 ms
Remote clock offset: -23.431 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 34.373 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 34.373 ms
Loss rate: 1.27%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 01:35:06

End at: 2018-08-09 01:35:36

Local clock offset: -4.426 ms

Remote clock offset: -7.05 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 9.884 ms

Loss rate: 1.10%

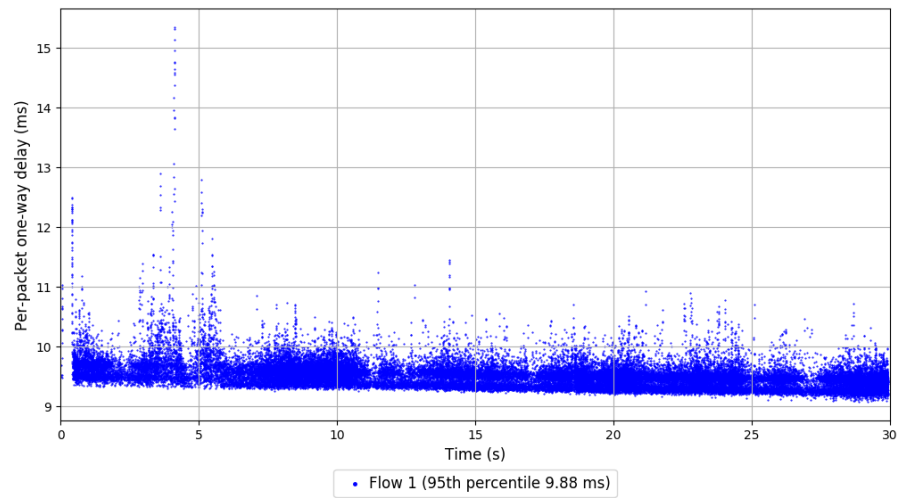
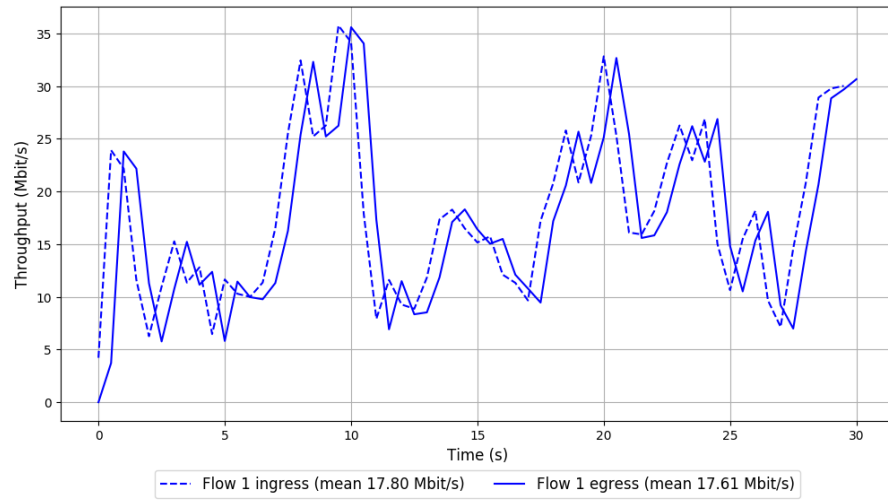
-- Flow 1:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 9.884 ms

Loss rate: 1.10%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 01:54:12

End at: 2018-08-09 01:54:42

Local clock offset: -1.717 ms

Remote clock offset: -0.711 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 12.267 ms

Loss rate: 1.07%

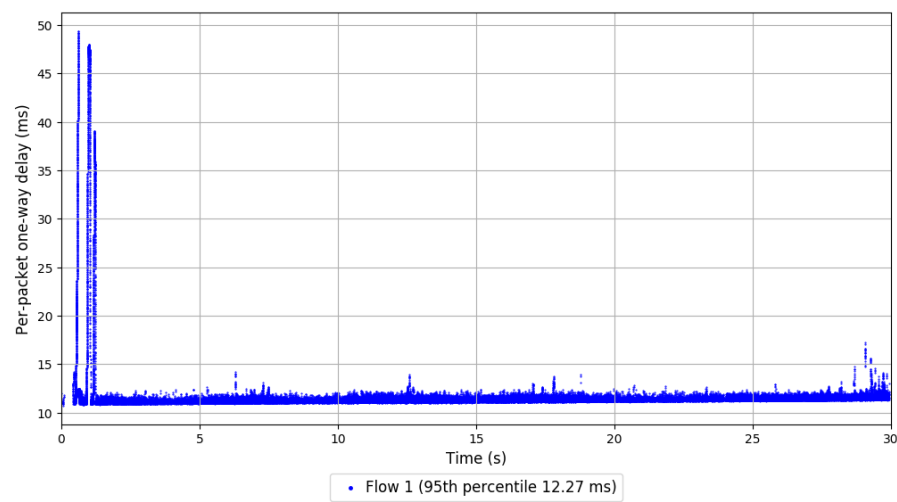
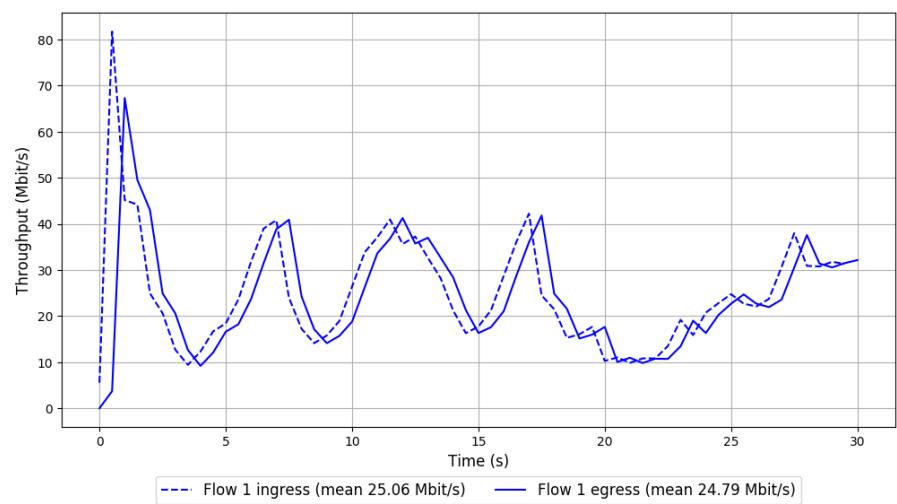
-- Flow 1:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 12.267 ms

Loss rate: 1.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 02:13:25

End at: 2018-08-09 02:13:55

Local clock offset: 2.145 ms

Remote clock offset: -8.524 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 6.564 ms

Loss rate: 0.93%

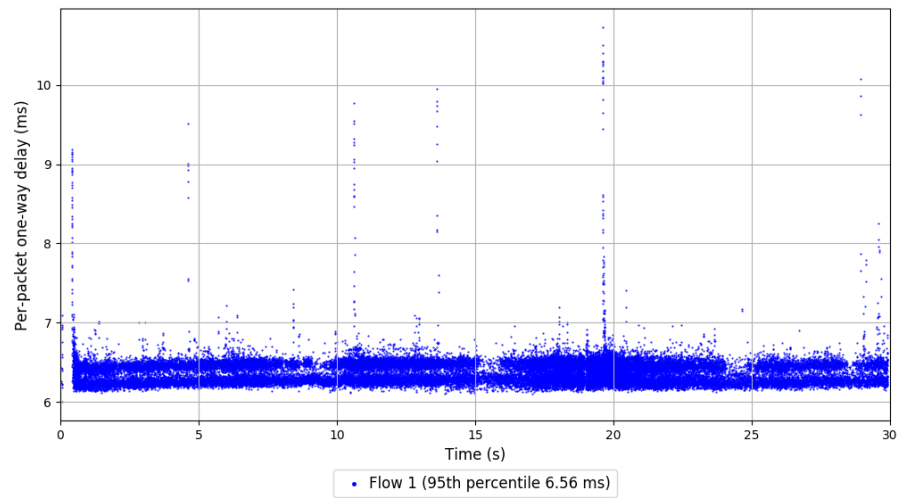
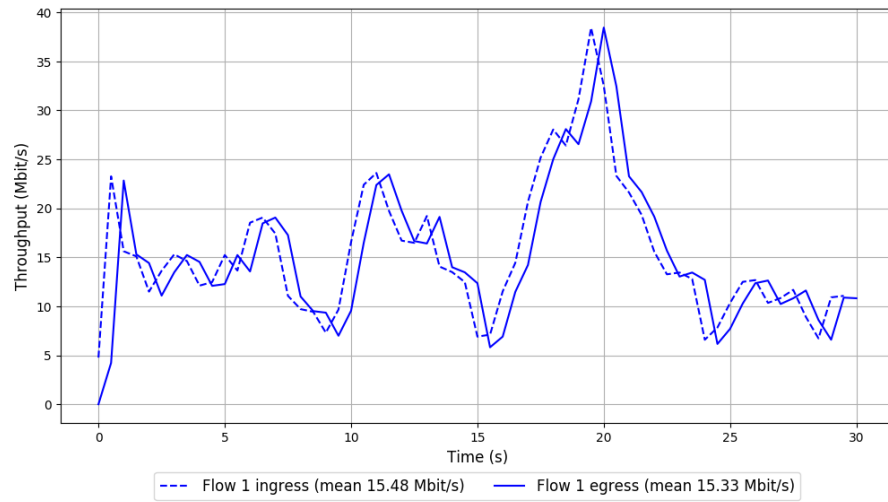
-- Flow 1:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 6.564 ms

Loss rate: 0.93%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 02:32:26

End at: 2018-08-09 02:32:56

Local clock offset: -4.689 ms

Remote clock offset: -6.555 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.78 Mbit/s

95th percentile per-packet one-way delay: 41.643 ms

Loss rate: 1.21%

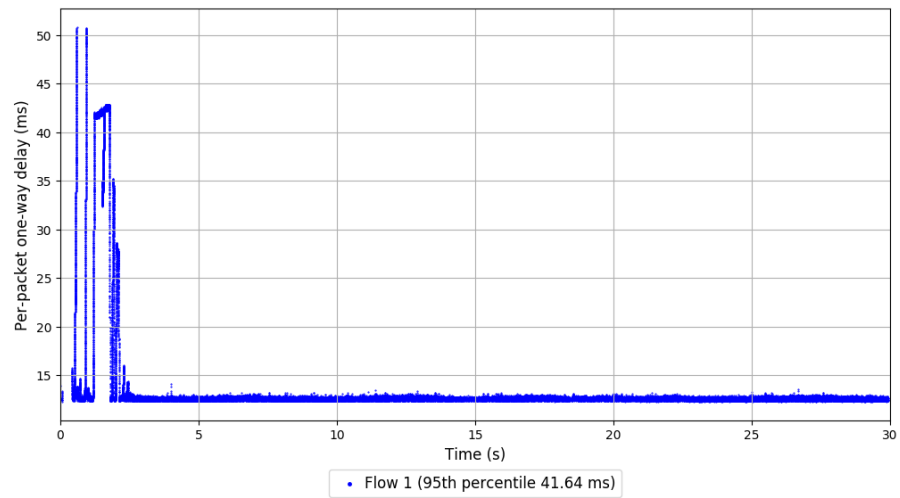
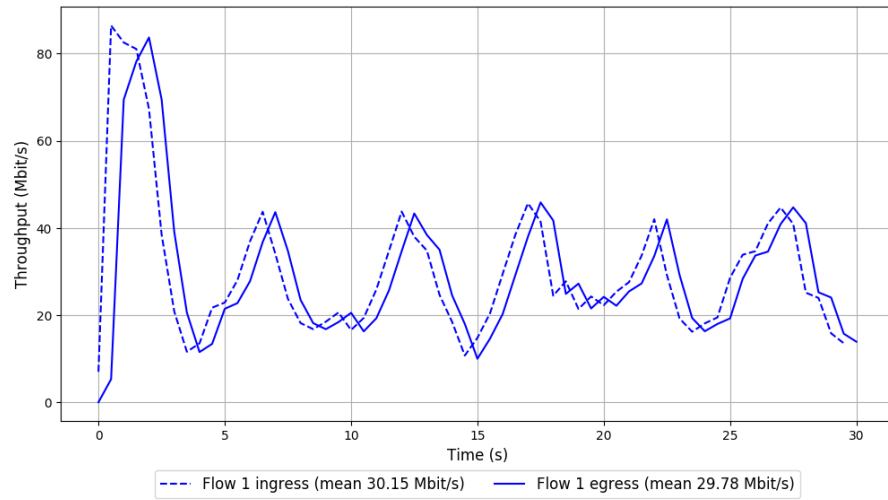
-- Flow 1:

Average throughput: 29.78 Mbit/s

95th percentile per-packet one-way delay: 41.643 ms

Loss rate: 1.21%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 02:51:37

End at: 2018-08-09 02:52:07

Local clock offset: 0.518 ms

Remote clock offset: -6.438 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.98 Mbit/s

95th percentile per-packet one-way delay: 8.914 ms

Loss rate: 0.99%

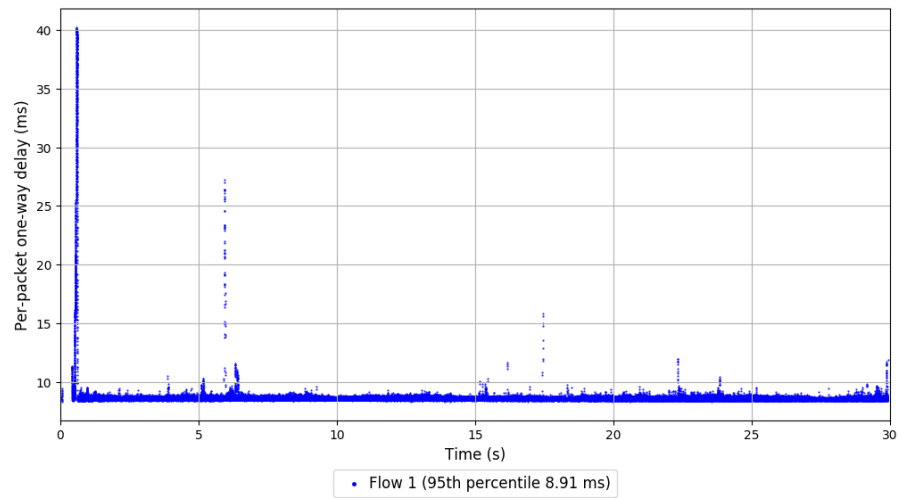
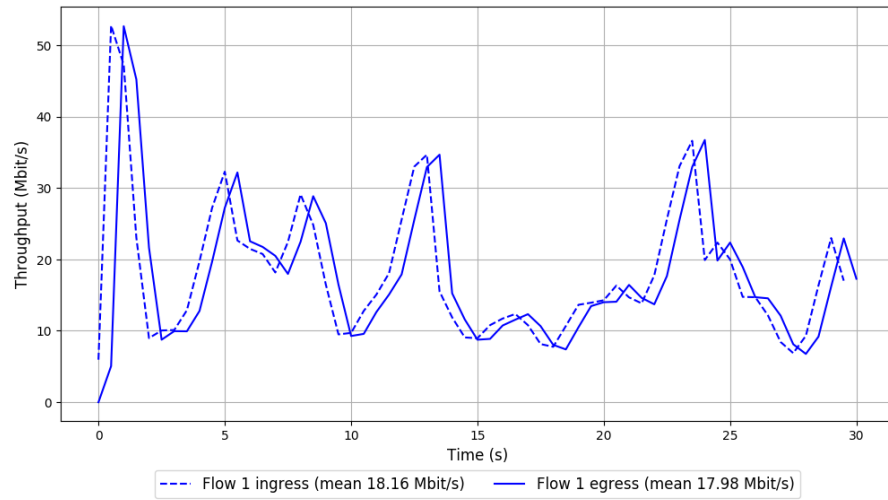
-- Flow 1:

Average throughput: 17.98 Mbit/s

95th percentile per-packet one-way delay: 8.914 ms

Loss rate: 0.99%

Run 6: Report of QUIC Cubic — Data Link

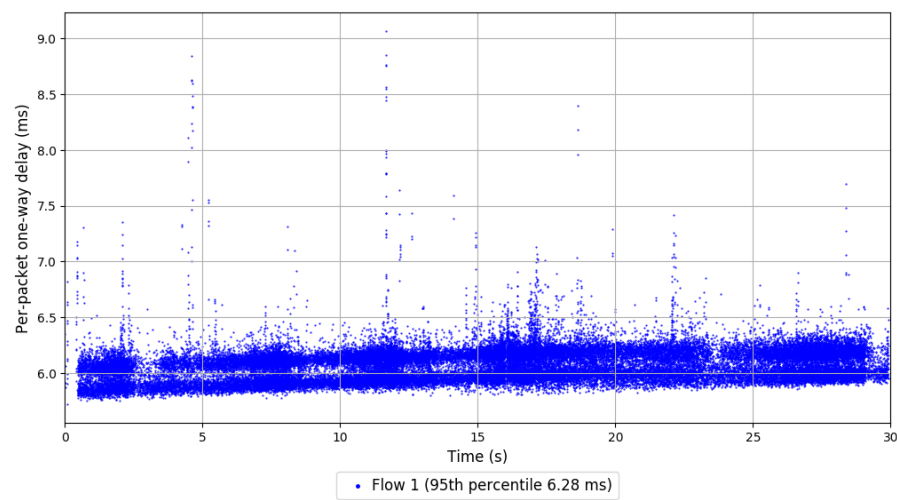
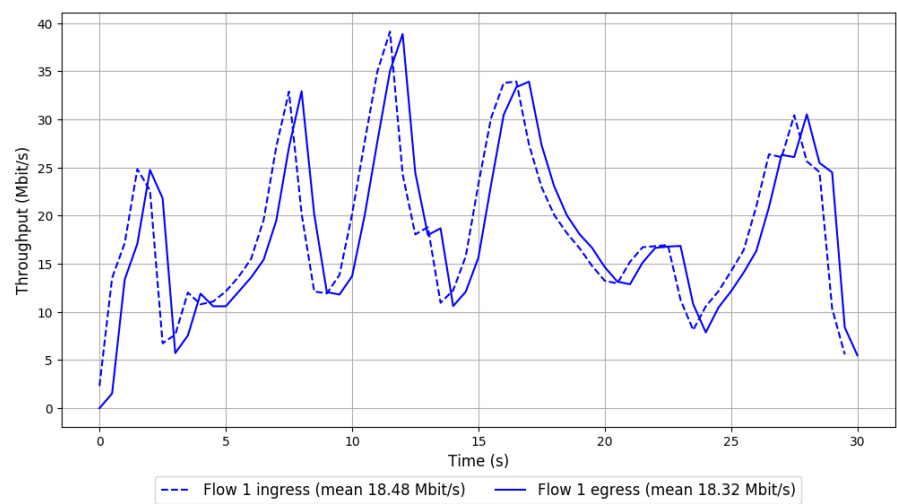


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 03:10:43
End at: 2018-08-09 03:11:13
Local clock offset: 2.465 ms
Remote clock offset: -11.208 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 6.276 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 6.276 ms
Loss rate: 0.87%

Run 7: Report of QUIC Cubic — Data Link

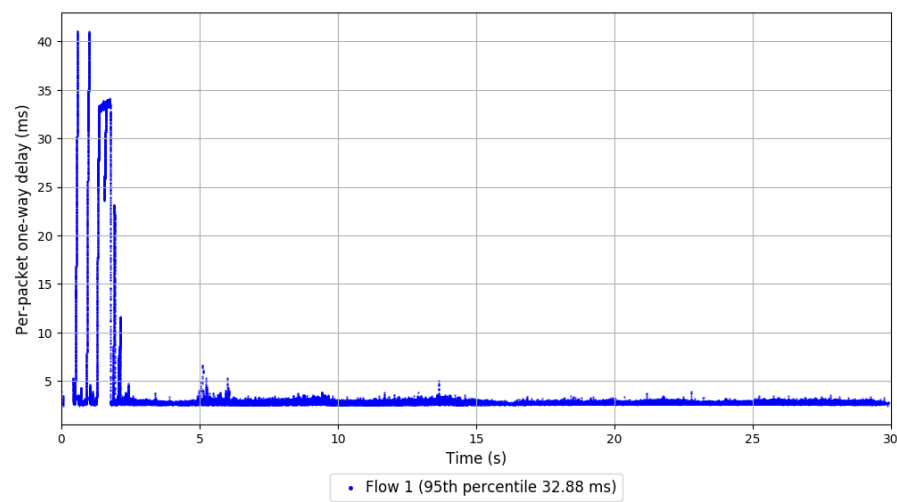
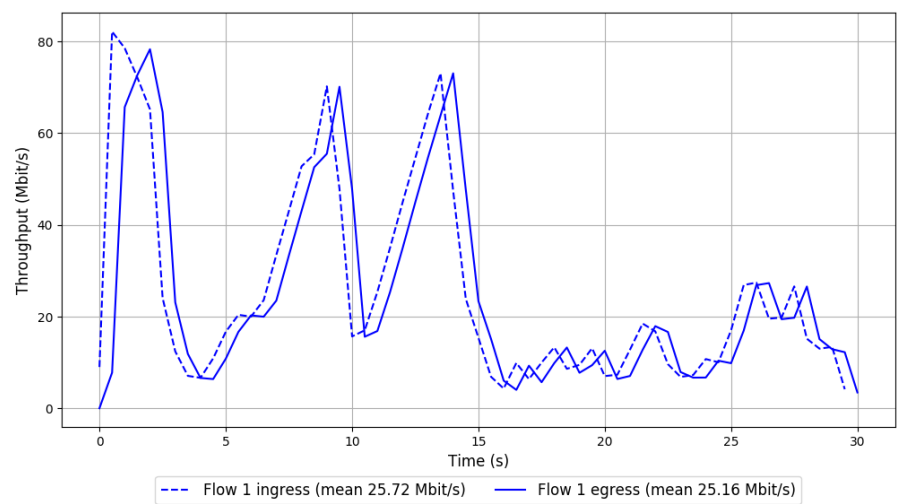


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 03:29:48
End at: 2018-08-09 03:30:18
Local clock offset: 1.899 ms
Remote clock offset: -15.102 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 32.880 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 32.880 ms
Loss rate: 2.15%

Run 8: Report of QUIC Cubic — Data Link

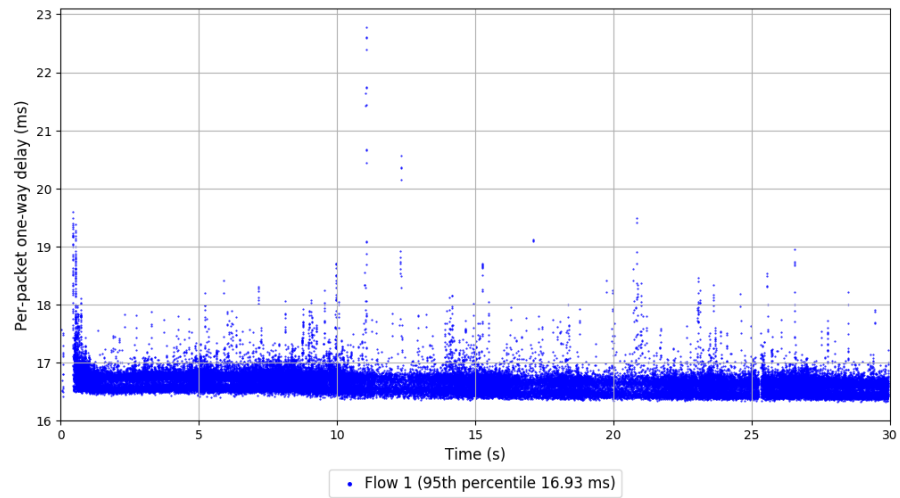
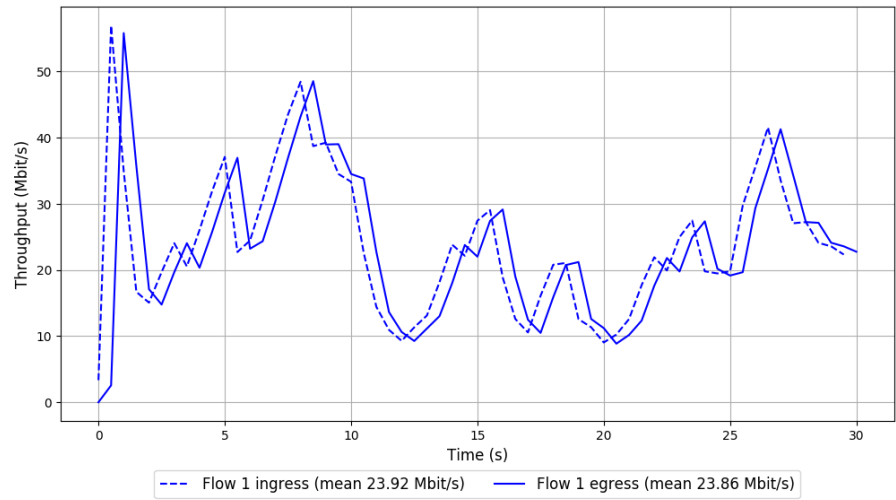


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 03:48:50
End at: 2018-08-09 03:49:20
Local clock offset: -3.949 ms
Remote clock offset: -5.965 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 16.933 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 16.933 ms
Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 04:08:03

End at: 2018-08-09 04:08:33

Local clock offset: 2.57 ms

Remote clock offset: -2.082 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 4.777 ms

Loss rate: 0.61%

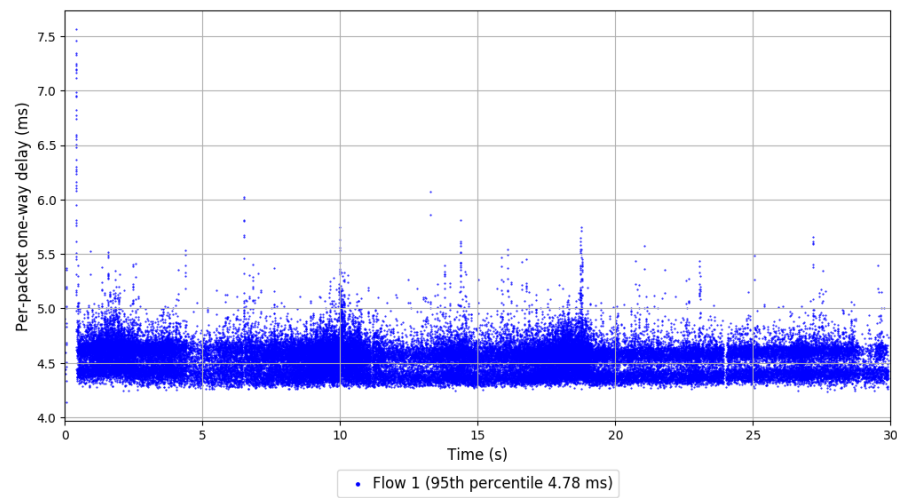
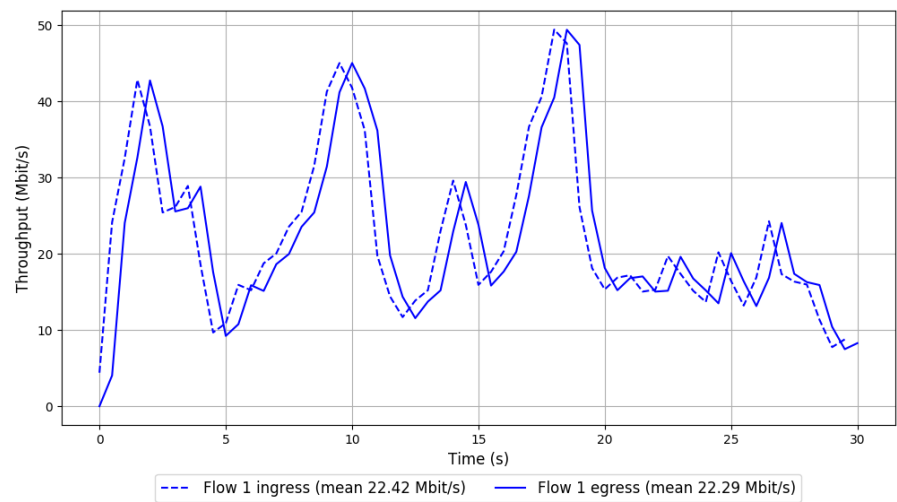
-- Flow 1:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 4.777 ms

Loss rate: 0.61%

Run 10: Report of QUIC Cubic — Data Link

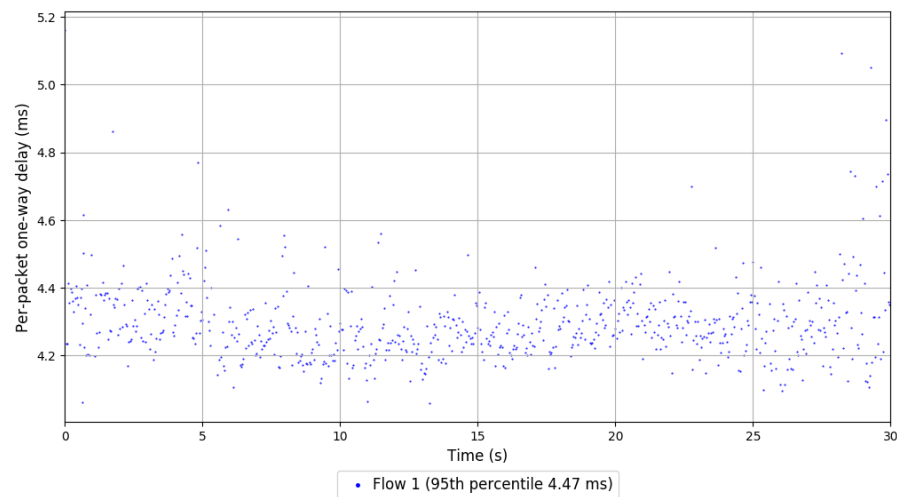
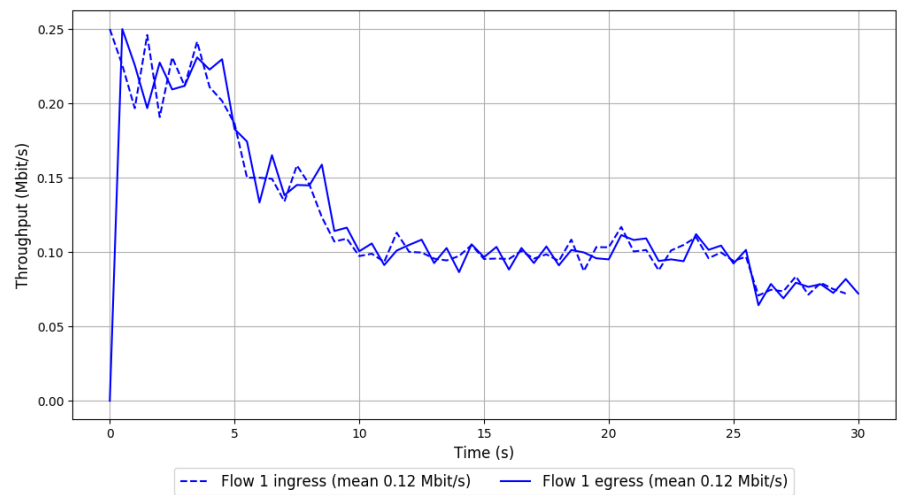


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 01:02:39
End at: 2018-08-09 01:03:09
Local clock offset: 1.399 ms
Remote clock offset: -22.611 ms

# Below is generated by plot.py at 2018-08-09 04:25:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 4.472 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 4.472 ms
Loss rate: 0.78%
```


Run 1: Report of SReAM — Data Link

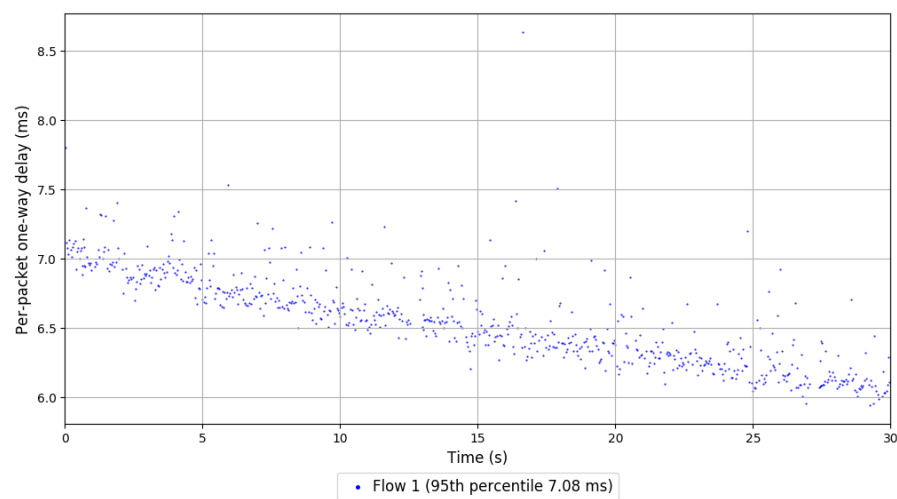
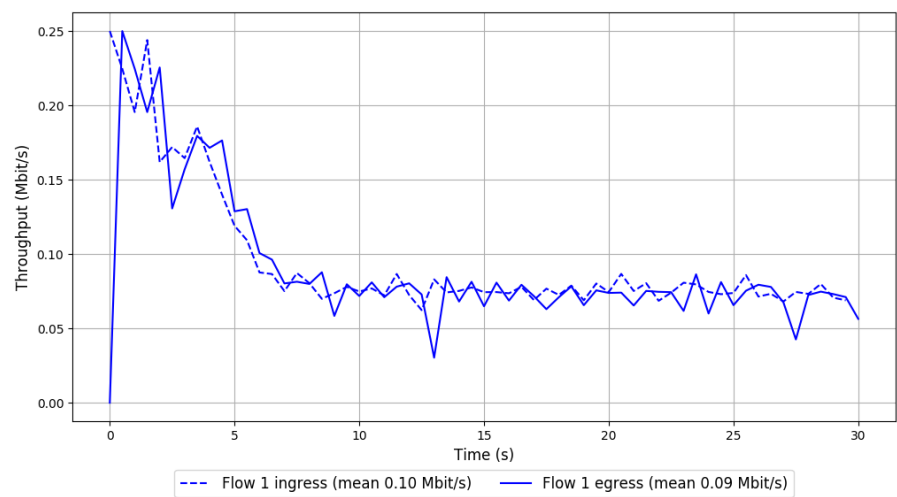


Run 2: Statistics of SCReAM

Start at: 2018-08-09 01:21:49
End at: 2018-08-09 01:22:20
Local clock offset: 0.901 ms
Remote clock offset: -19.489 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.078 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.078 ms
Loss rate: 3.82%

Run 2: Report of SReAM — Data Link

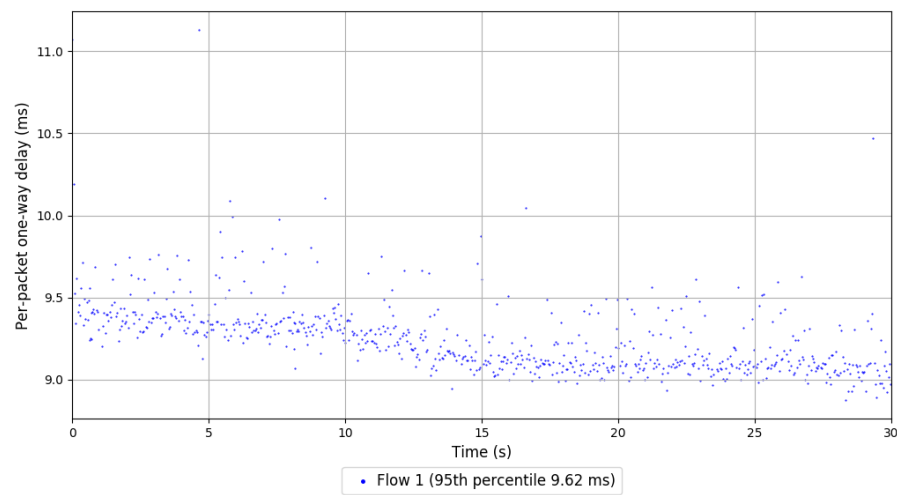
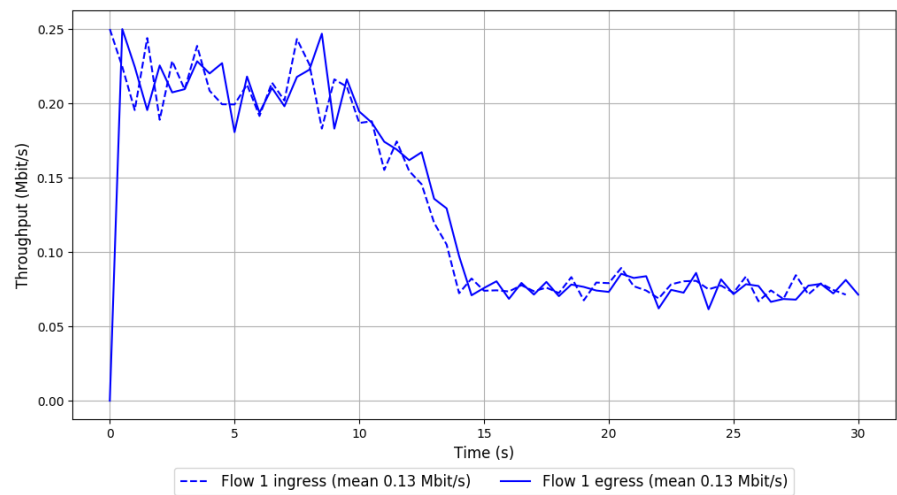


Run 3: Statistics of SCReAM

Start at: 2018-08-09 01:40:53
End at: 2018-08-09 01:41:23
Local clock offset: -1.376 ms
Remote clock offset: -4.035 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.622 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.622 ms
Loss rate: 0.72%

Run 3: Report of SReAM — Data Link

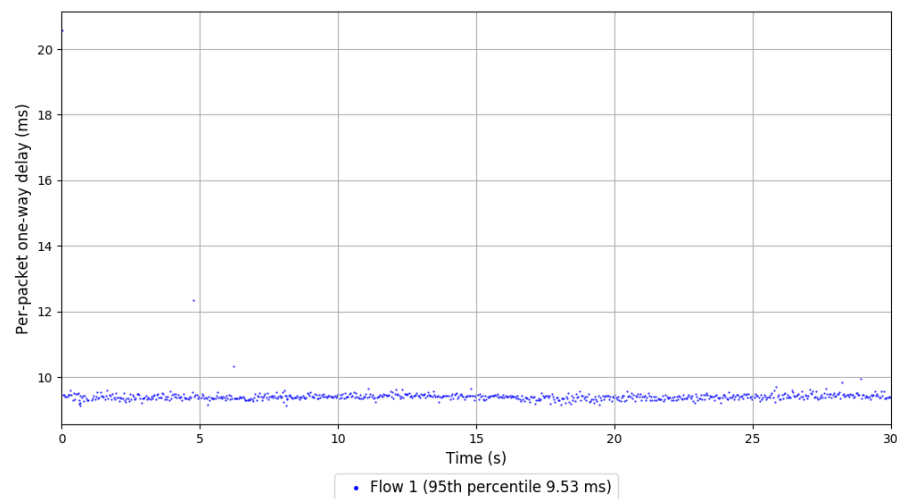
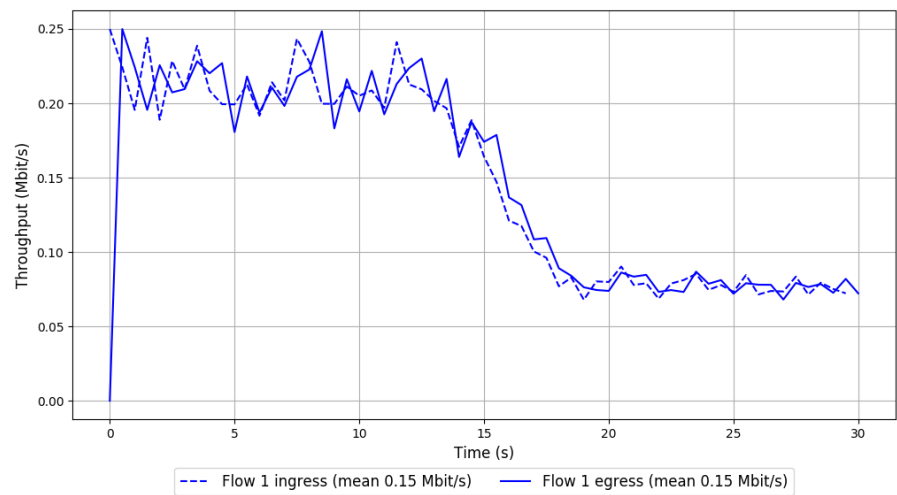


Run 4: Statistics of SCReAM

Start at: 2018-08-09 02:00:02
End at: 2018-08-09 02:00:33
Local clock offset: -0.851 ms
Remote clock offset: -5.484 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 9.530 ms
Loss rate: 0.18%

Run 4: Report of SReAM — Data Link

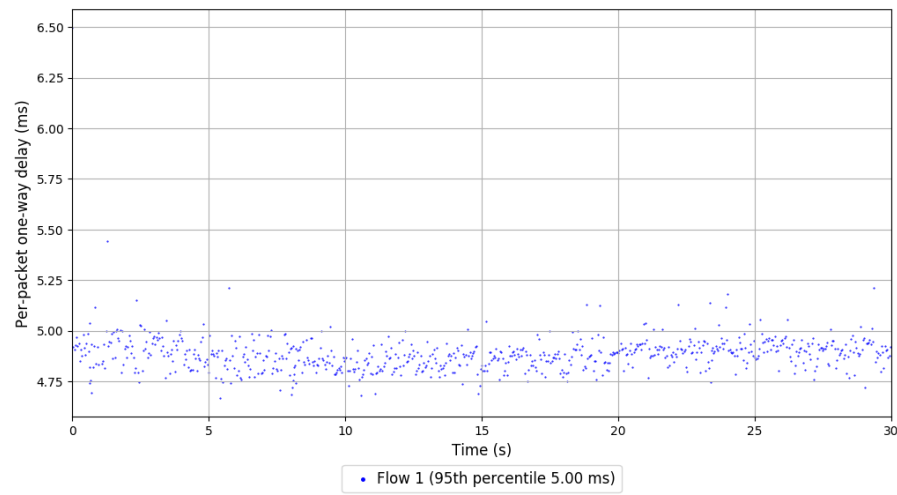
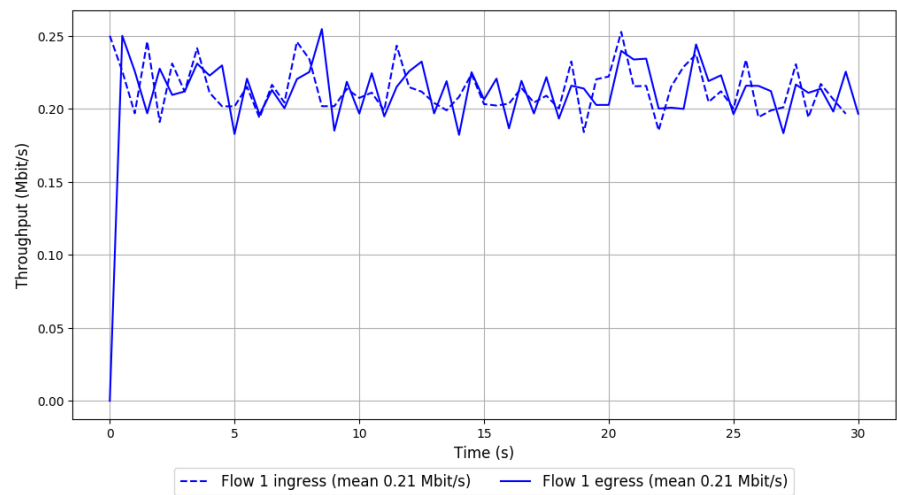


Run 5: Statistics of SCReAM

Start at: 2018-08-09 02:19:07
End at: 2018-08-09 02:19:37
Local clock offset: -0.271 ms
Remote clock offset: -10.389 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 4.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 4.999 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

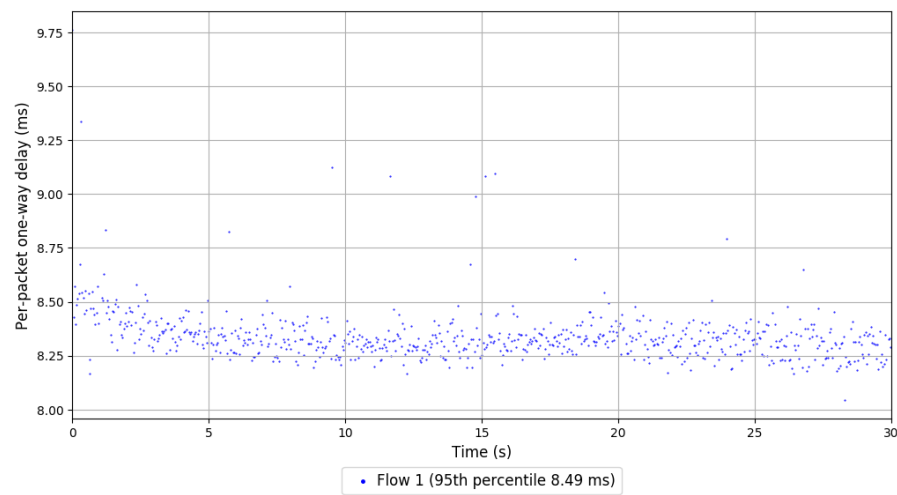
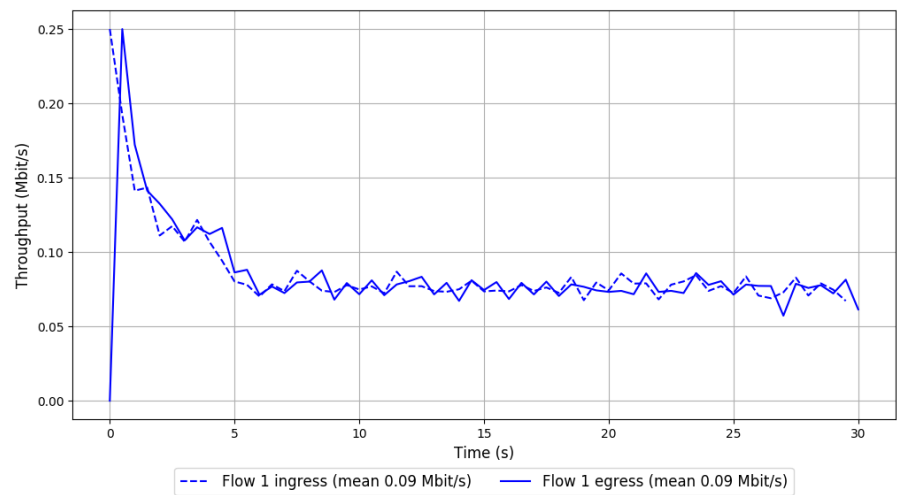


Run 6: Statistics of SCReAM

Start at: 2018-08-09 02:38:11
End at: 2018-08-09 02:38:41
Local clock offset: 1.589 ms
Remote clock offset: -6.387 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.488 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 8.488 ms
Loss rate: 0.88%

Run 6: Report of SReAM — Data Link

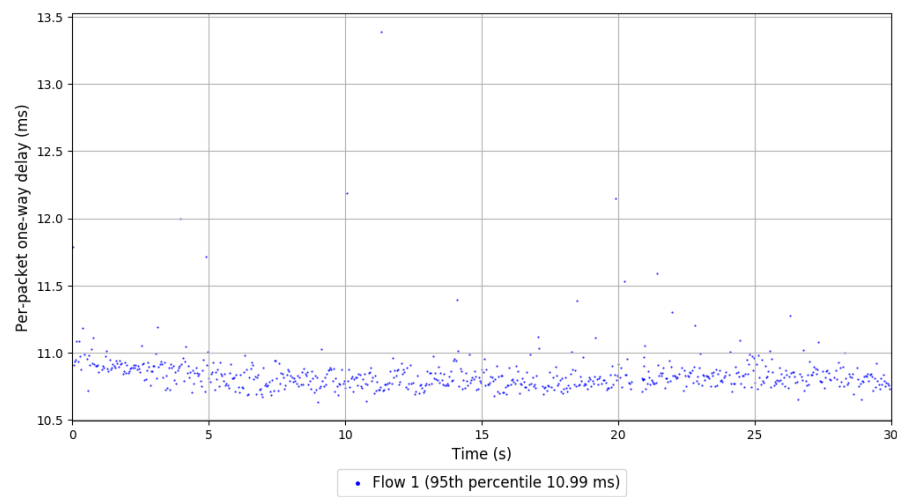
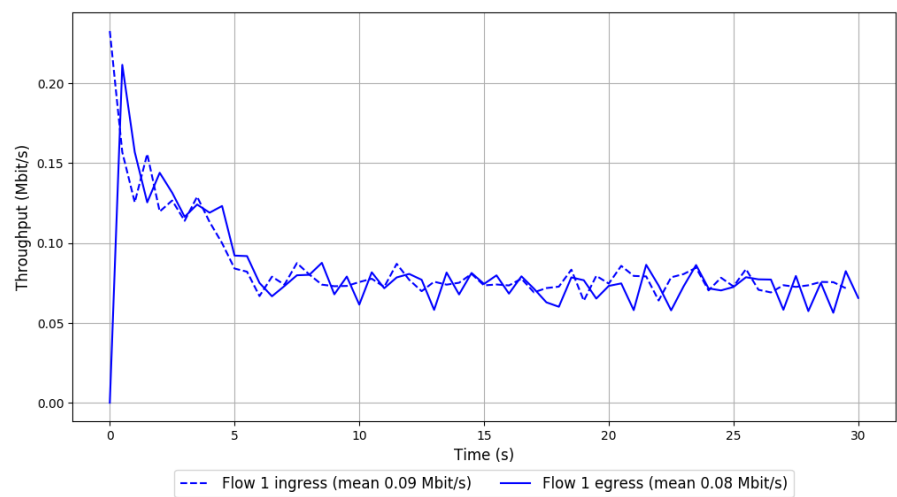


Run 7: Statistics of SCReAM

Start at: 2018-08-09 02:57:22
End at: 2018-08-09 02:57:52
Local clock offset: -2.669 ms
Remote clock offset: -6.939 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 10.990 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 10.990 ms
Loss rate: 3.08%

Run 7: Report of SReAM — Data Link

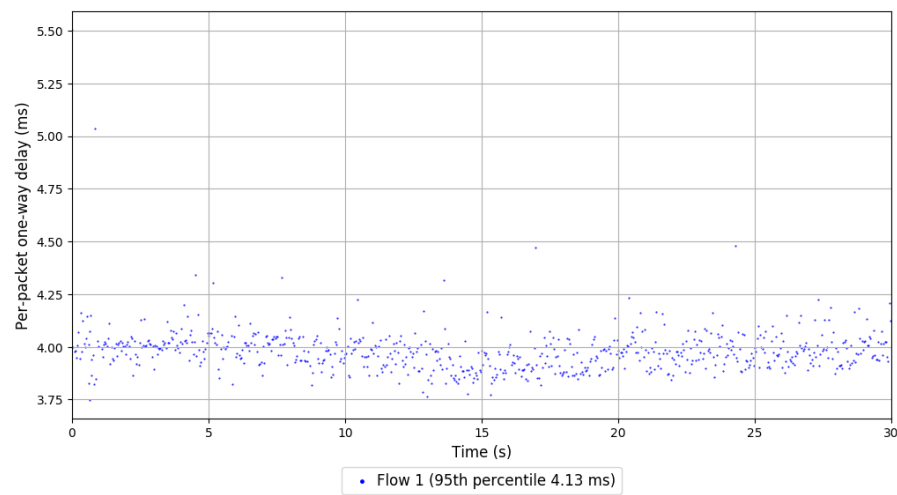
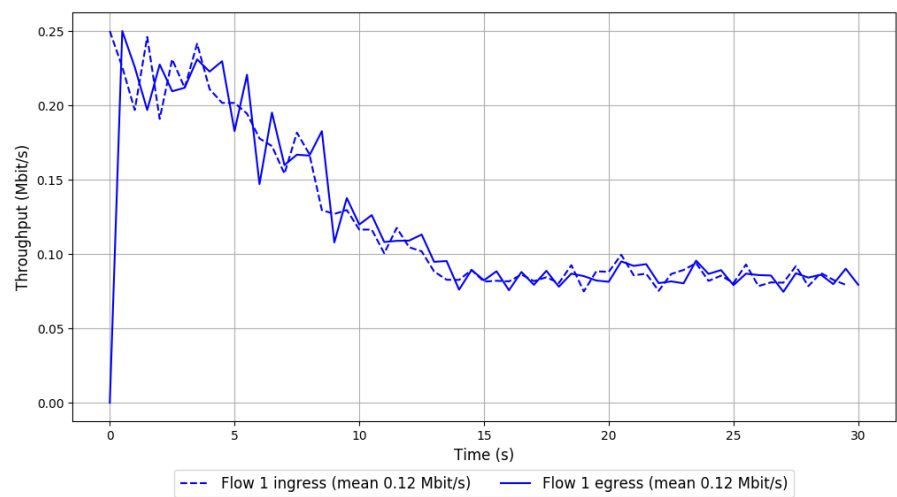


Run 8: Statistics of SCReAM

Start at: 2018-08-09 03:16:29
End at: 2018-08-09 03:16:59
Local clock offset: -1.981 ms
Remote clock offset: -16.749 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 4.129 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 4.129 ms
Loss rate: 0.56%

Run 8: Report of SReAM — Data Link

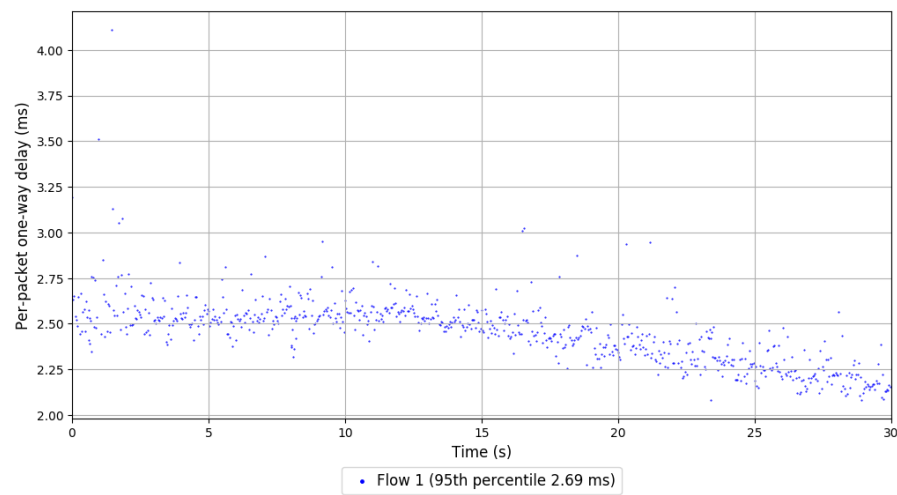
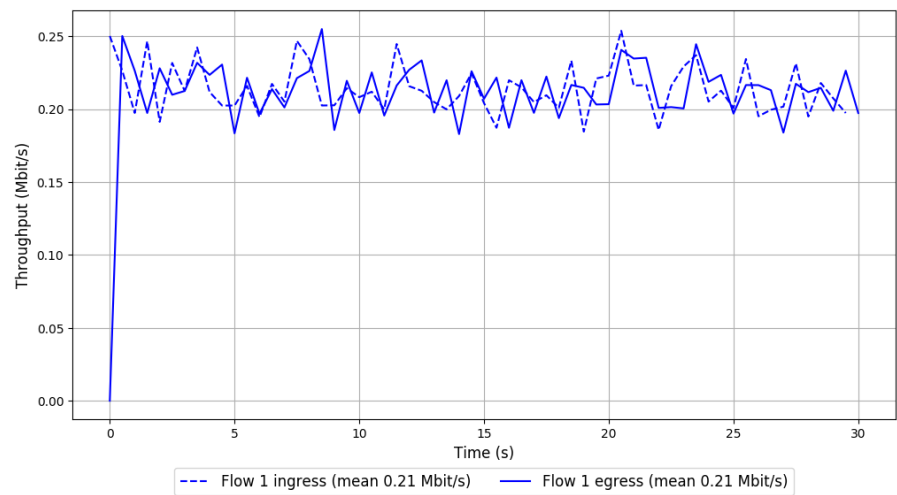


Run 9: Statistics of SReAM

Start at: 2018-08-09 03:35:29
End at: 2018-08-09 03:35:59
Local clock offset: 2.429 ms
Remote clock offset: -15.329 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.692 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 03:54:40

End at: 2018-08-09 03:55:10

Local clock offset: 2.555 ms

Remote clock offset: -4.86 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 3.335 ms

Loss rate: 0.15%

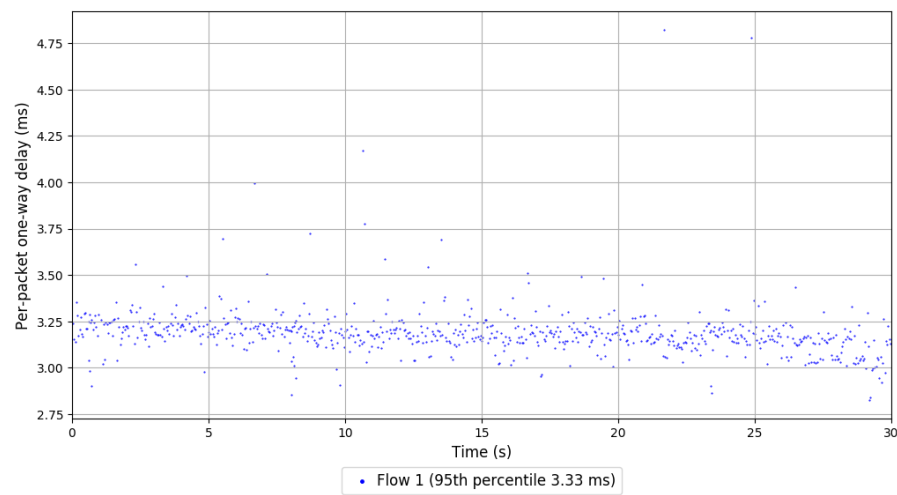
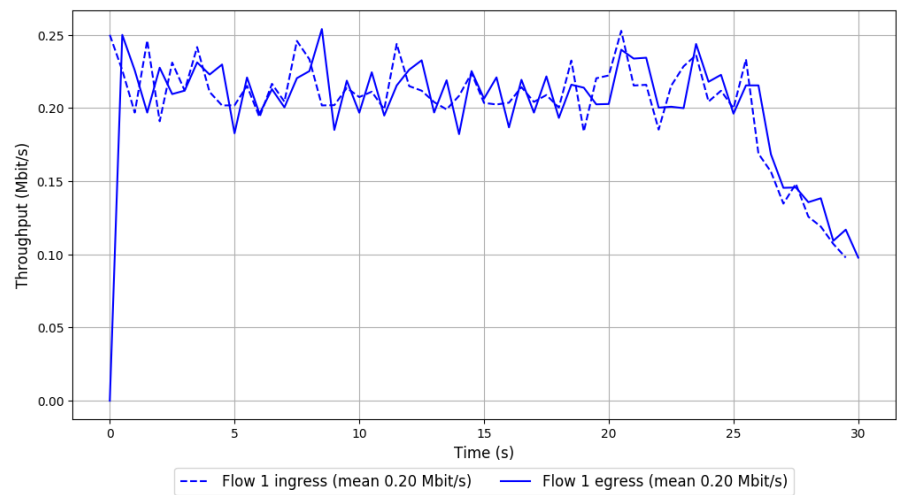
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 3.335 ms

Loss rate: 0.15%

Run 10: Report of SReAM — Data Link

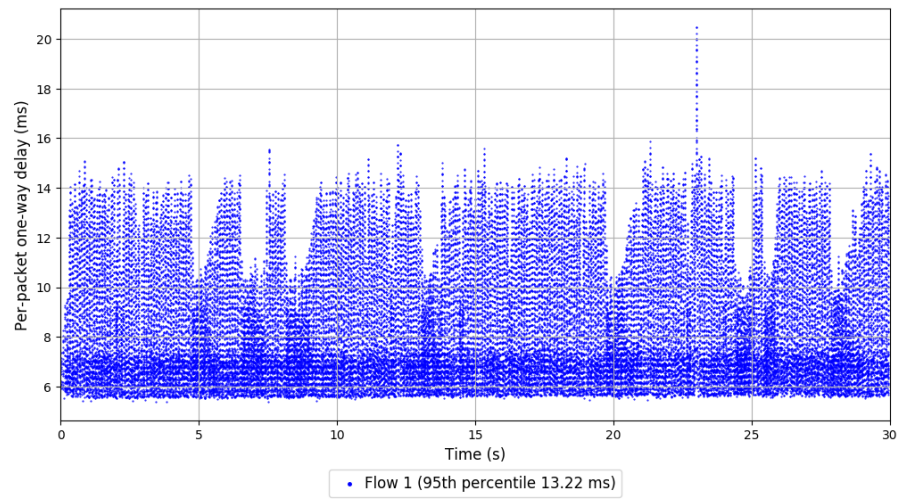
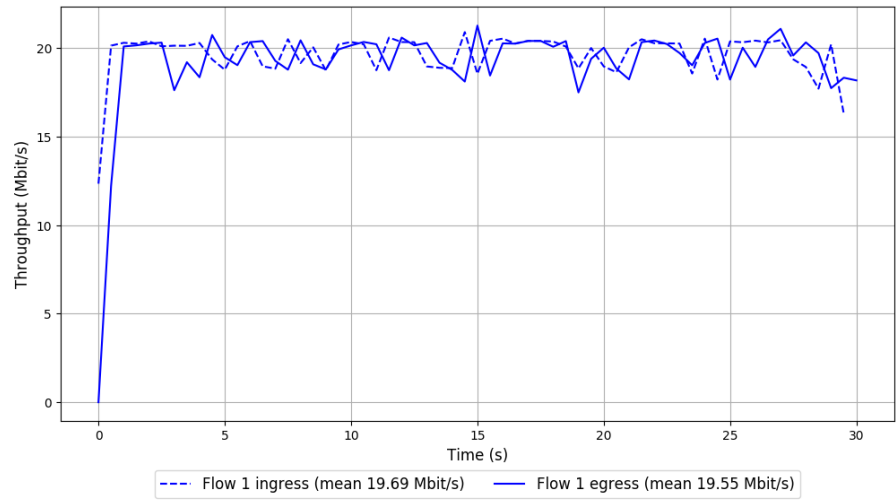


Run 1: Statistics of Sprout

Start at: 2018-08-09 01:10:32
End at: 2018-08-09 01:11:02
Local clock offset: 0.833 ms
Remote clock offset: -25.035 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 13.222 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 13.222 ms
Loss rate: 0.69%

Run 1: Report of Sprout — Data Link

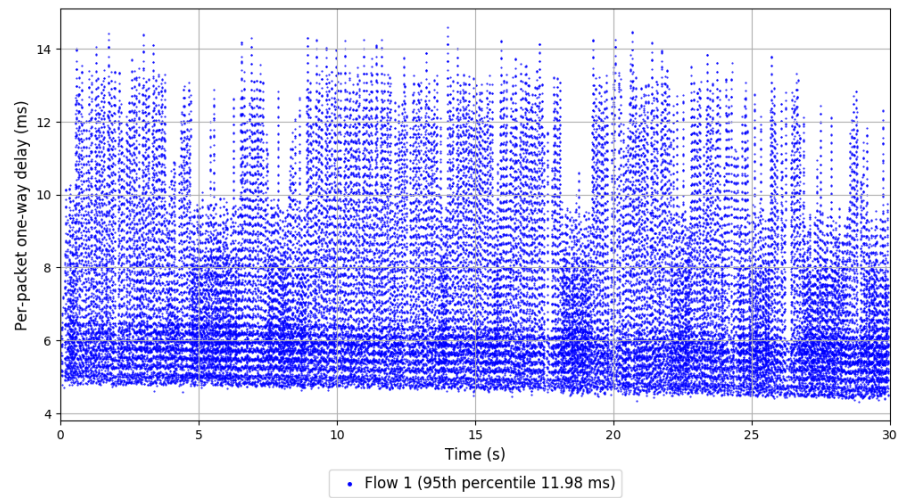
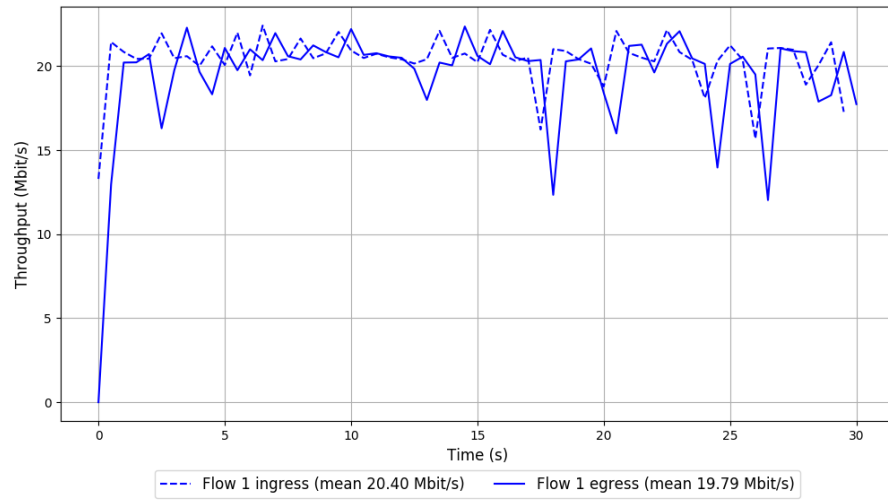


Run 2: Statistics of Sprout

Start at: 2018-08-09 01:29:37
End at: 2018-08-09 01:30:07
Local clock offset: -1.431 ms
Remote clock offset: -12.304 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 11.979 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 11.979 ms
Loss rate: 2.98%

Run 2: Report of Sprout — Data Link

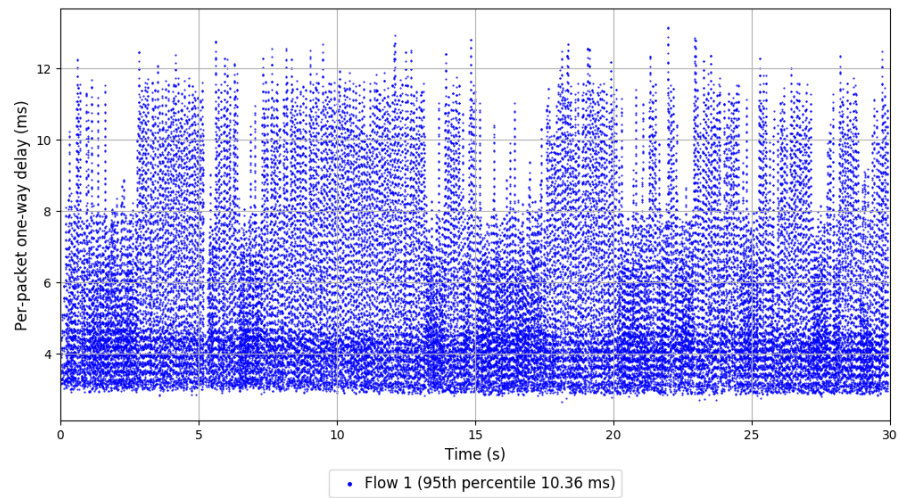
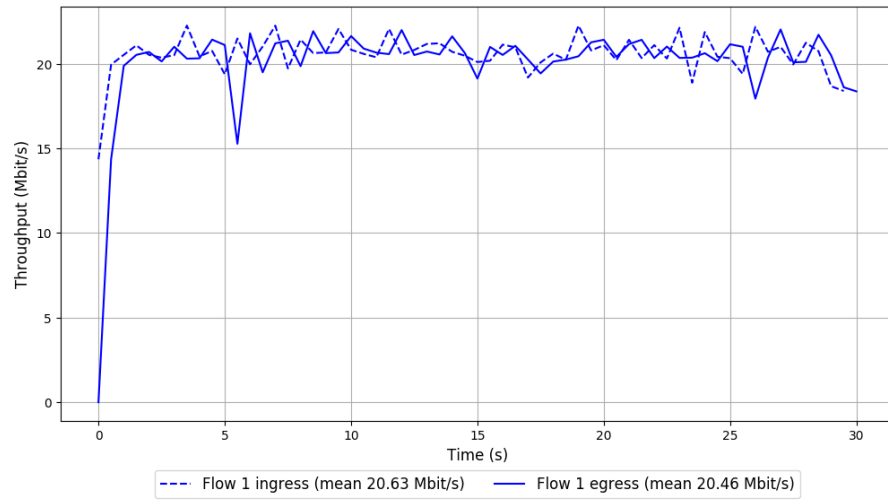


Run 3: Statistics of Sprout

Start at: 2018-08-09 01:48:40
End at: 2018-08-09 01:49:10
Local clock offset: 2.505 ms
Remote clock offset: -1.918 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 10.362 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 10.362 ms
Loss rate: 0.79%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-09 02:07:53

End at: 2018-08-09 02:08:23

Local clock offset: 3.194 ms

Remote clock offset: -8.89 ms

Below is generated by plot.py at 2018-08-09 04:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.80 Mbit/s

95th percentile per-packet one-way delay: 9.375 ms

Loss rate: 0.19%

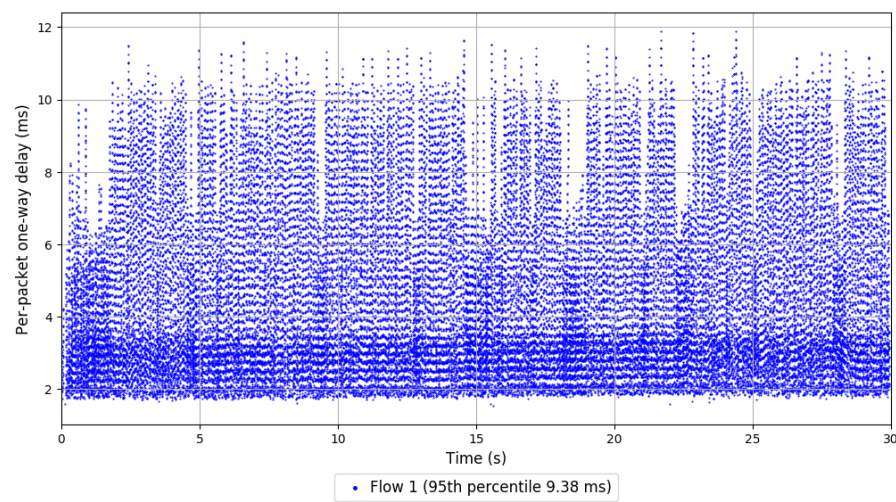
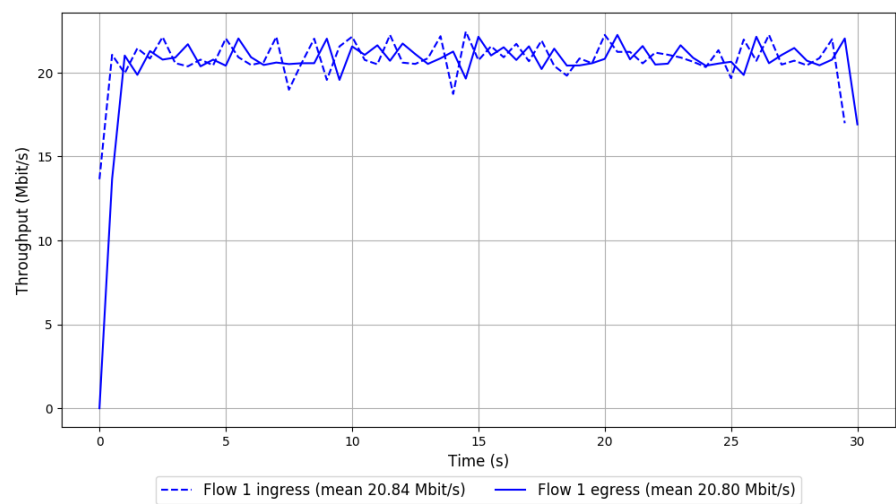
-- Flow 1:

Average throughput: 20.80 Mbit/s

95th percentile per-packet one-way delay: 9.375 ms

Loss rate: 0.19%

Run 4: Report of Sprout — Data Link

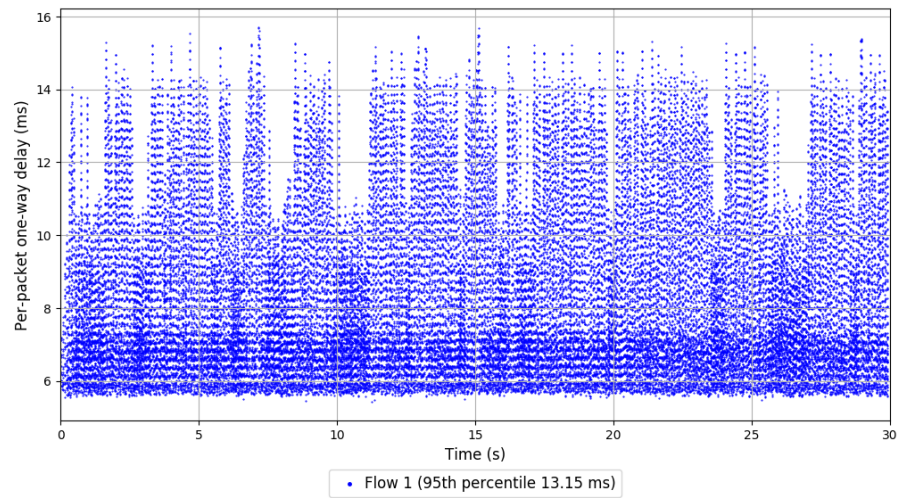
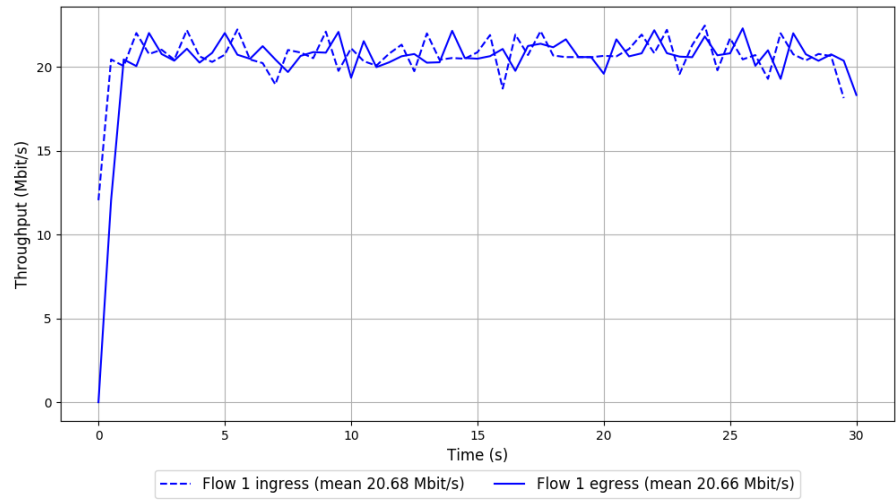


Run 5: Statistics of Sprout

Start at: 2018-08-09 02:26:55
End at: 2018-08-09 02:27:25
Local clock offset: 1.269 ms
Remote clock offset: -8.038 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 13.151 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 13.151 ms
Loss rate: 0.07%

Run 5: Report of Sprout — Data Link

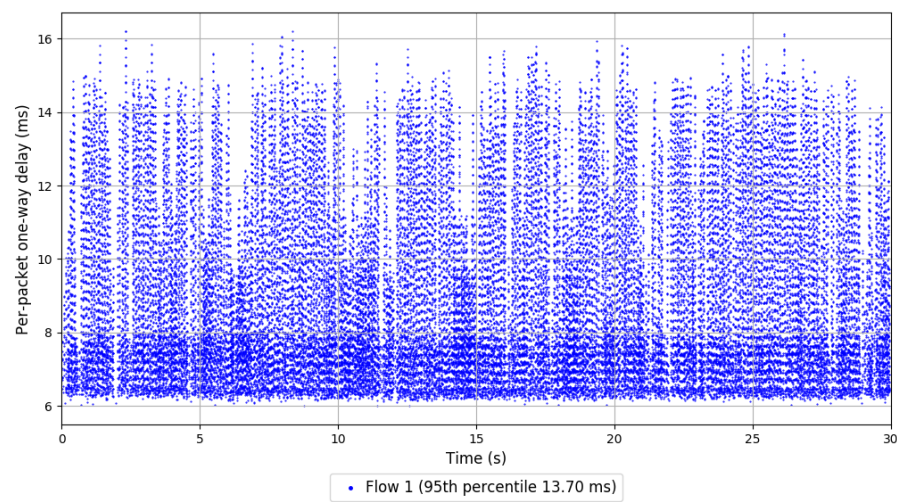
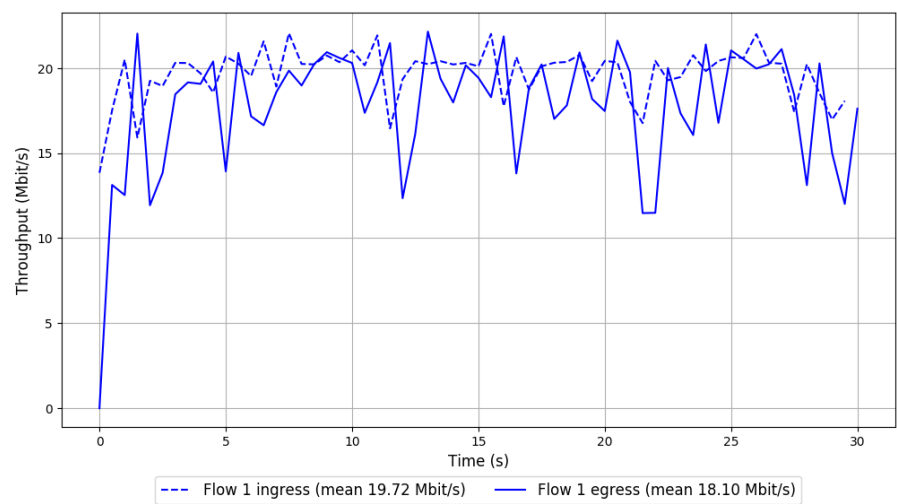


Run 6: Statistics of Sprout

Start at: 2018-08-09 02:46:07
End at: 2018-08-09 02:46:37
Local clock offset: 0.993 ms
Remote clock offset: -6.243 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 13.697 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 13.697 ms
Loss rate: 8.20%

Run 6: Report of Sprout — Data Link

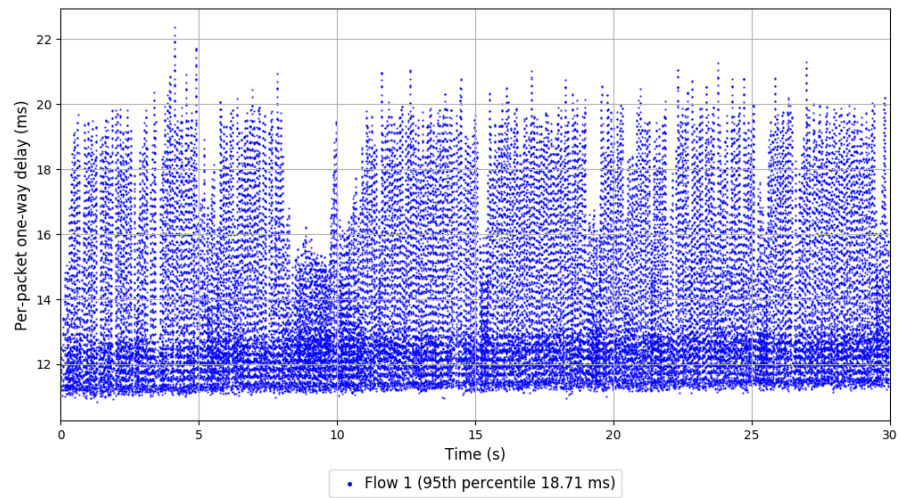
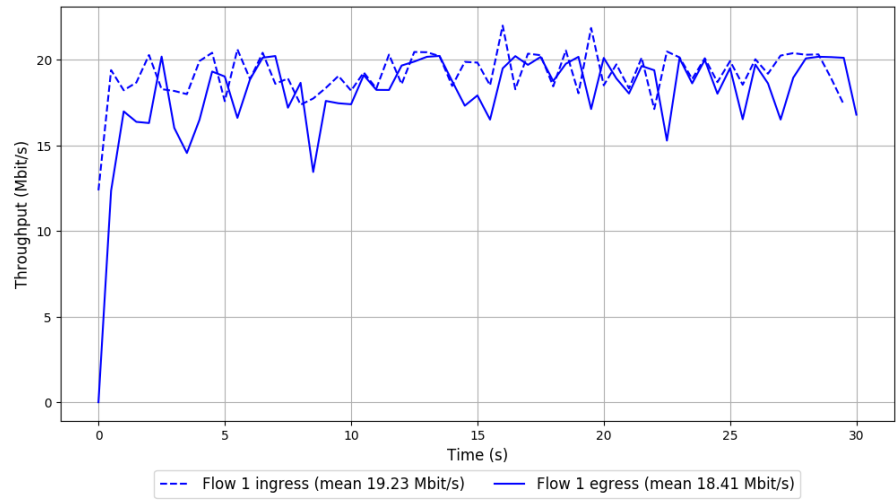


Run 7: Statistics of Sprout

Start at: 2018-08-09 03:05:09
End at: 2018-08-09 03:05:39
Local clock offset: -2.232 ms
Remote clock offset: -8.432 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 4.25%

Run 7: Report of Sprout — Data Link

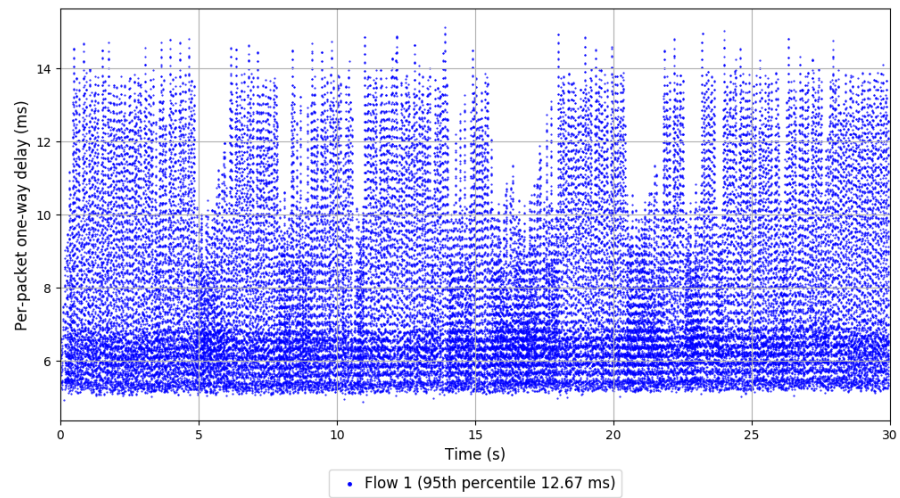
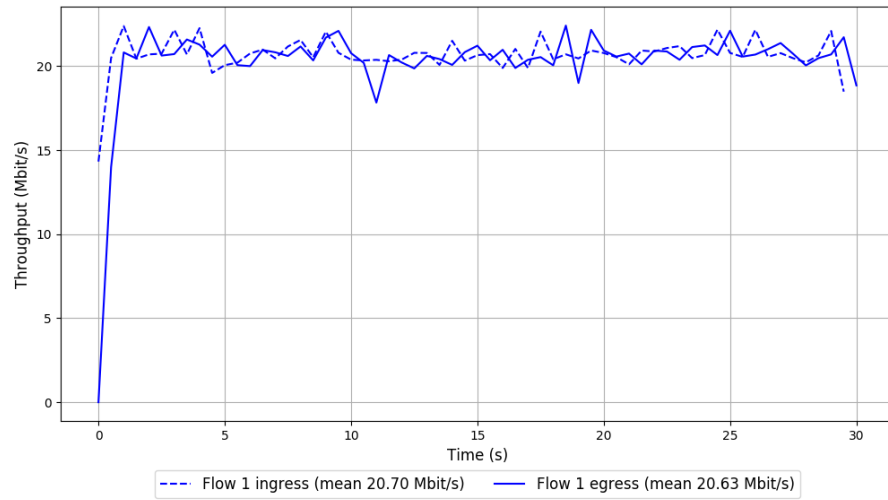


Run 8: Statistics of Sprout

Start at: 2018-08-09 03:24:17
End at: 2018-08-09 03:24:47
Local clock offset: 2.252 ms
Remote clock offset: -12.834 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 12.670 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 12.670 ms
Loss rate: 0.34%

Run 8: Report of Sprout — Data Link

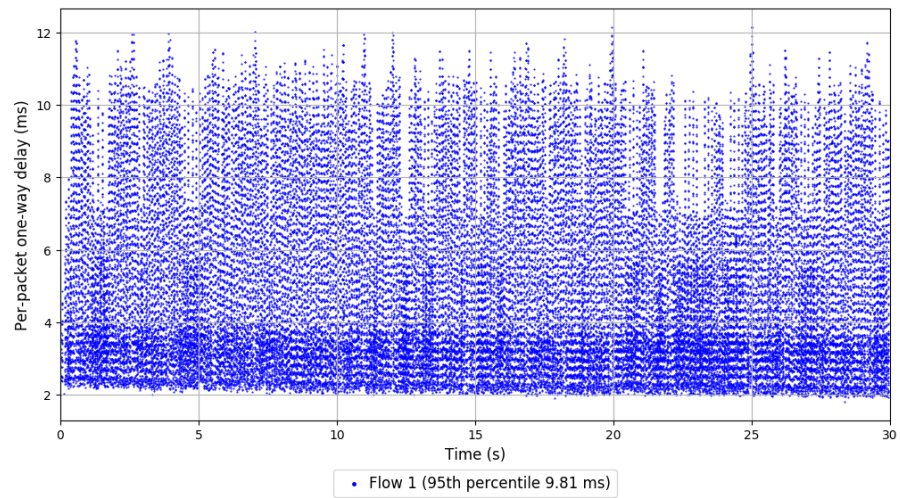
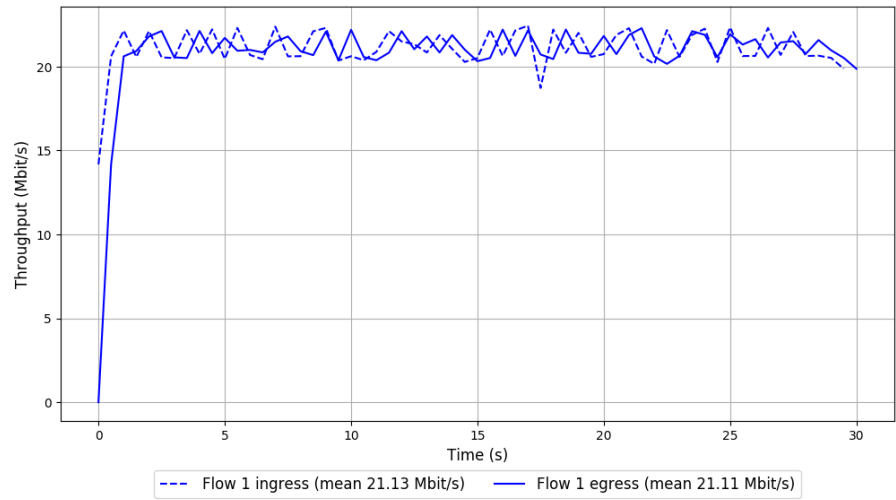


Run 9: Statistics of Sprout

Start at: 2018-08-09 03:43:17
End at: 2018-08-09 03:43:47
Local clock offset: 2.483 ms
Remote clock offset: -9.124 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 9.809 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 9.809 ms
Loss rate: 0.06%

Run 9: Report of Sprout — Data Link

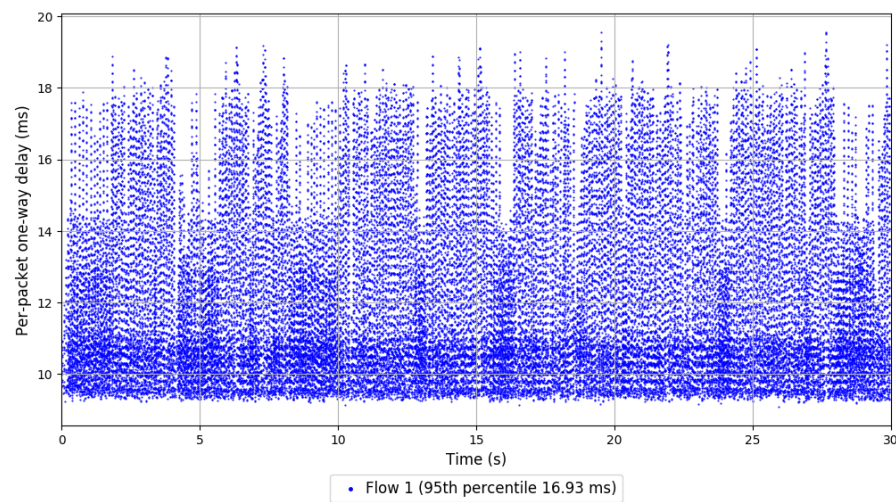
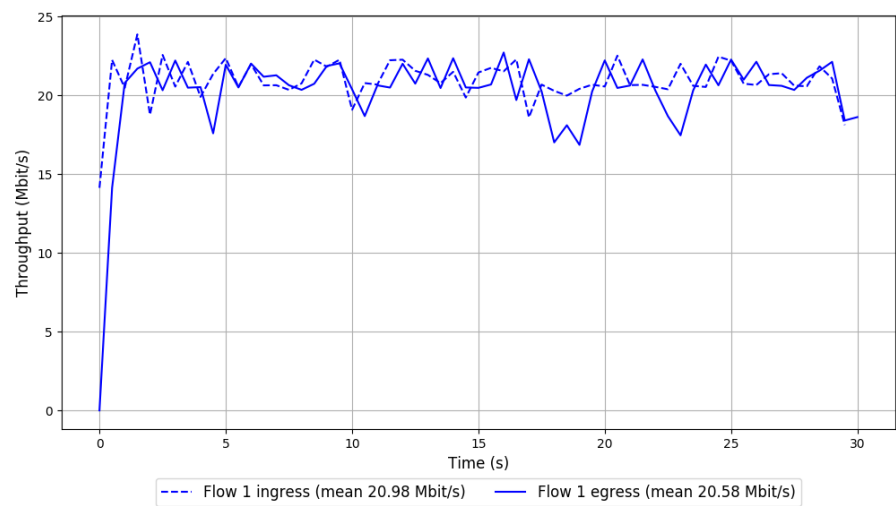


Run 10: Statistics of Sprout

Start at: 2018-08-09 04:02:31
End at: 2018-08-09 04:03:01
Local clock offset: -3.86 ms
Remote clock offset: -4.092 ms

Below is generated by plot.py at 2018-08-09 04:25:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 16.932 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 16.932 ms
Loss rate: 1.88%

Run 10: Report of Sprout — Data Link

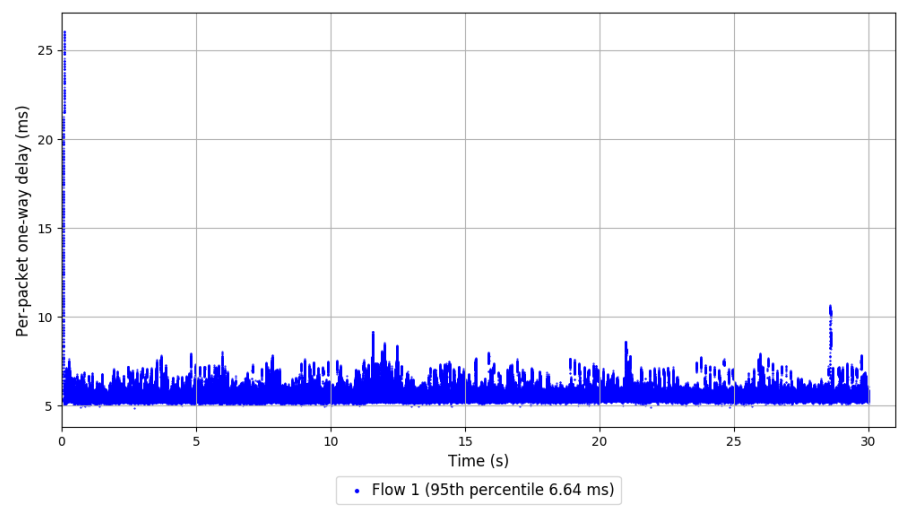
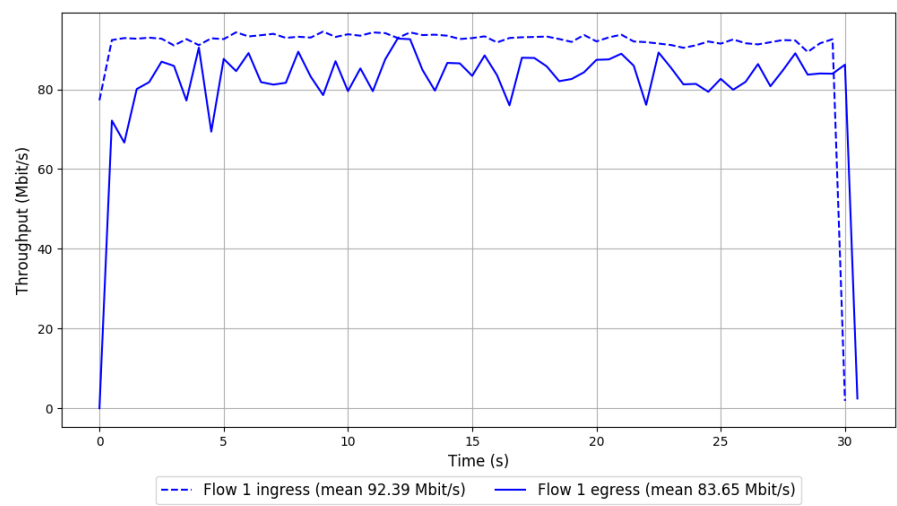


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 01:01:27
End at: 2018-08-09 01:01:57
Local clock offset: 0.744 ms
Remote clock offset: -24.602 ms

Below is generated by plot.py at 2018-08-09 04:27:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 6.636 ms
Loss rate: 9.47%
-- Flow 1:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 6.636 ms
Loss rate: 9.47%

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

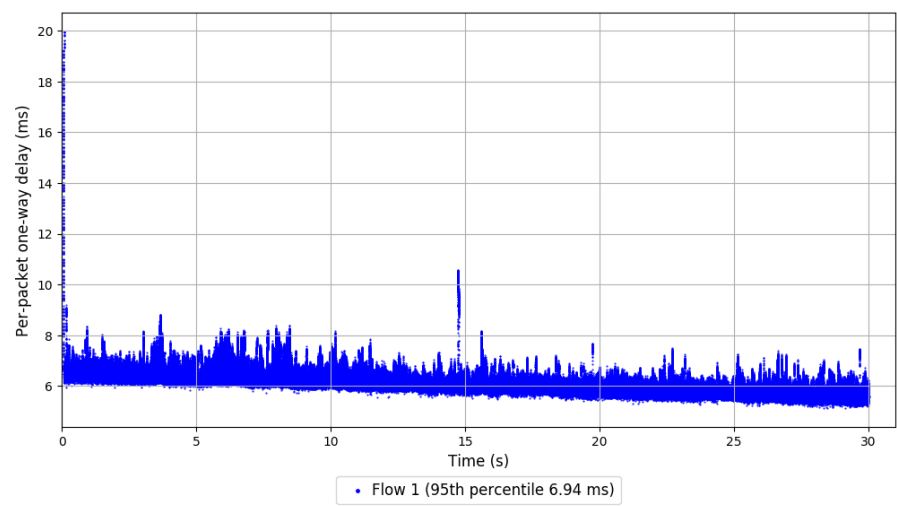
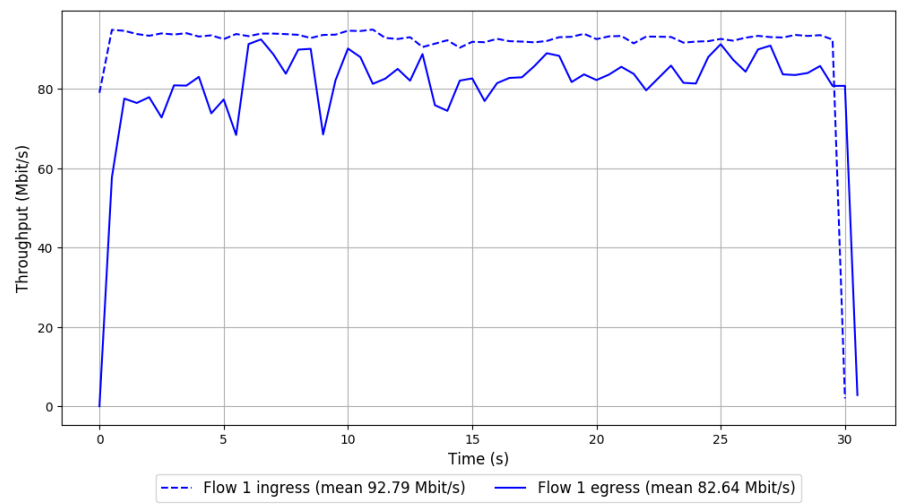


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 01:20:38
End at: 2018-08-09 01:21:08
Local clock offset: -1.041 ms
Remote clock offset: -21.933 ms

Below is generated by plot.py at 2018-08-09 04:27:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 6.944 ms
Loss rate: 10.95%
-- Flow 1:
Average throughput: 82.64 Mbit/s
95th percentile per-packet one-way delay: 6.944 ms
Loss rate: 10.95%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 01:39:42

End at: 2018-08-09 01:40:12

Local clock offset: -1.561 ms

Remote clock offset: -5.778 ms

Below is generated by plot.py at 2018-08-09 04:27:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.89 Mbit/s

95th percentile per-packet one-way delay: 6.789 ms

Loss rate: 11.21%

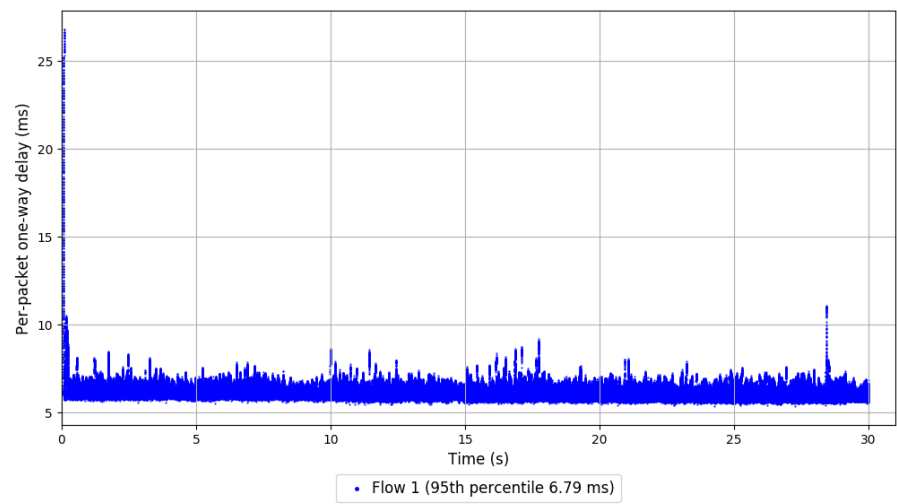
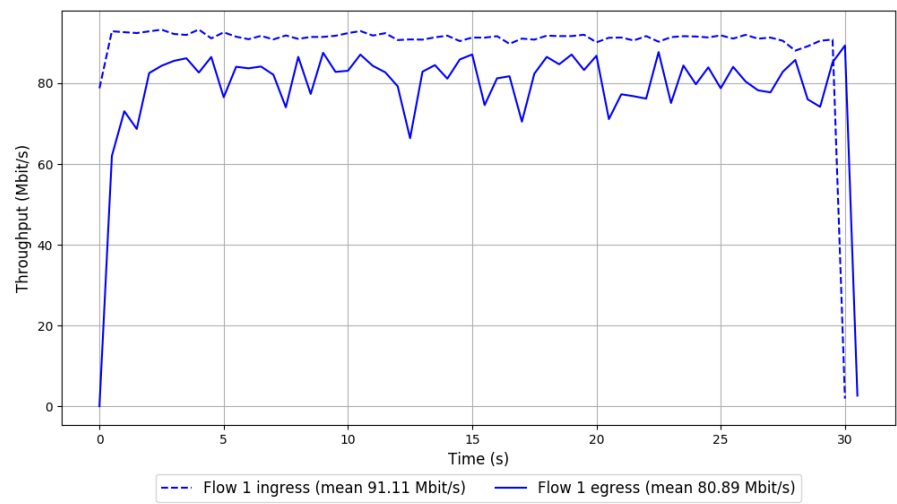
-- Flow 1:

Average throughput: 80.89 Mbit/s

95th percentile per-packet one-way delay: 6.789 ms

Loss rate: 11.21%

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

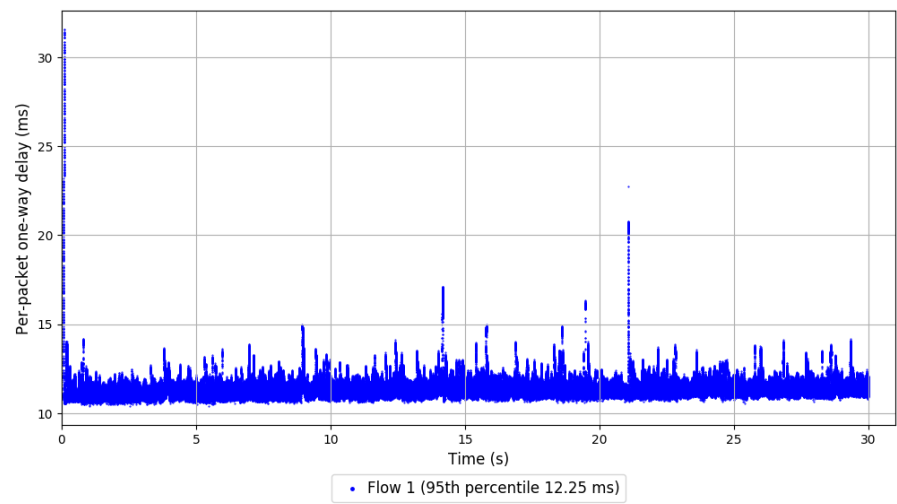
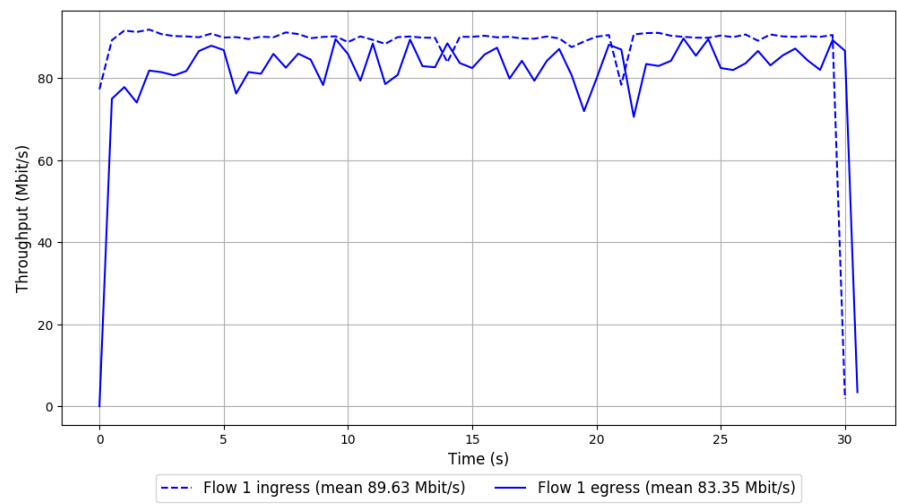


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 01:58:50
End at: 2018-08-09 01:59:20
Local clock offset: -3.338 ms
Remote clock offset: -6.037 ms

Below is generated by plot.py at 2018-08-09 04:27:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 12.252 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 12.252 ms
Loss rate: 7.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 02:17:56

End at: 2018-08-09 02:18:26

Local clock offset: 1.94 ms

Remote clock offset: -8.742 ms

Below is generated by plot.py at 2018-08-09 04:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 8.479 ms

Loss rate: 6.52%

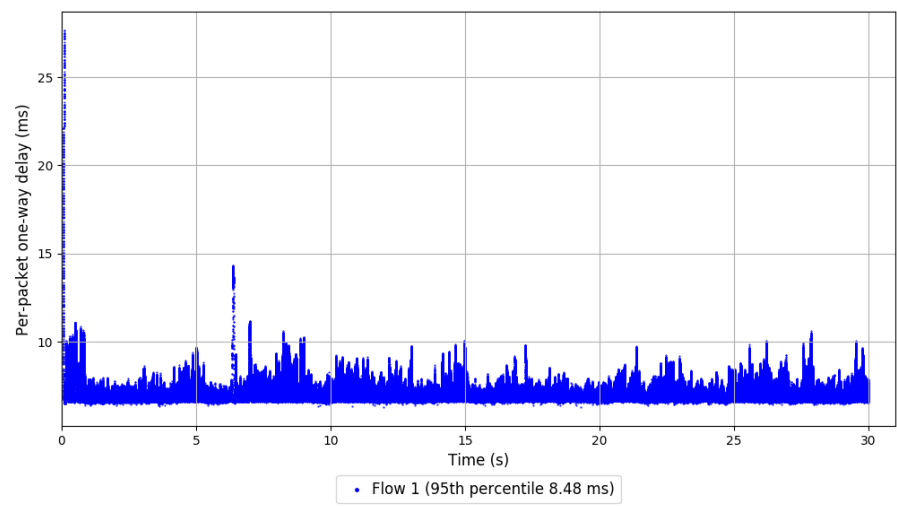
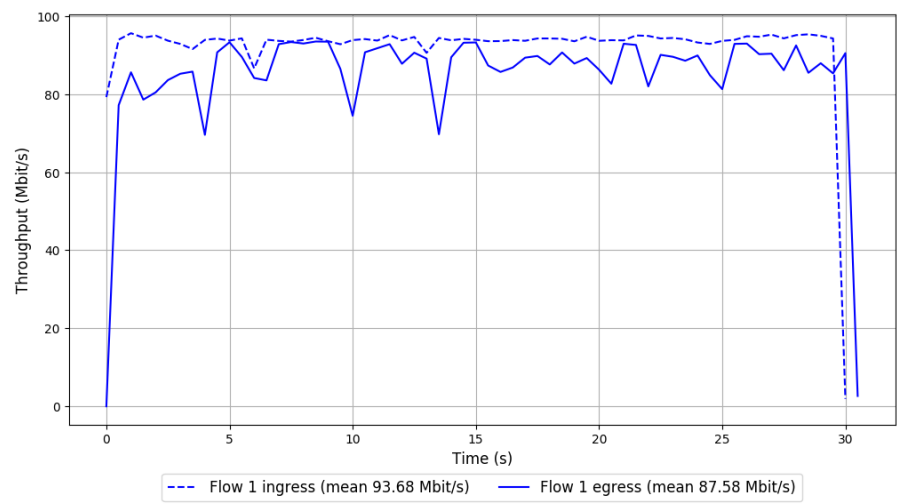
-- Flow 1:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 8.479 ms

Loss rate: 6.52%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 02:36:59

End at: 2018-08-09 02:37:29

Local clock offset: 1.204 ms

Remote clock offset: -7.298 ms

Below is generated by plot.py at 2018-08-09 04:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 10.087 ms

Loss rate: 9.67%

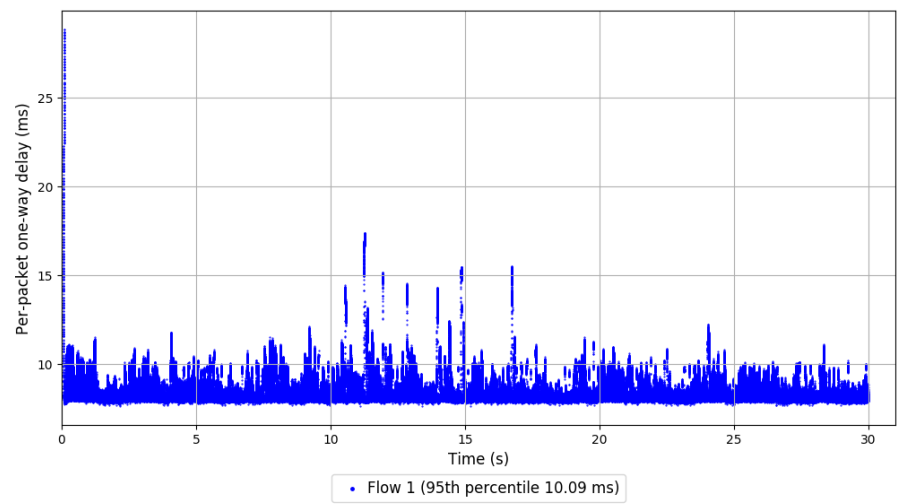
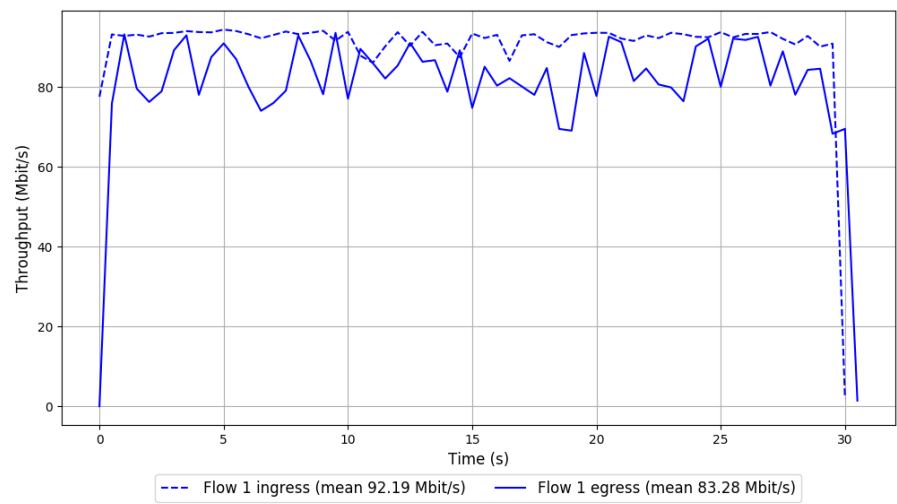
-- Flow 1:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 10.087 ms

Loss rate: 9.67%

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

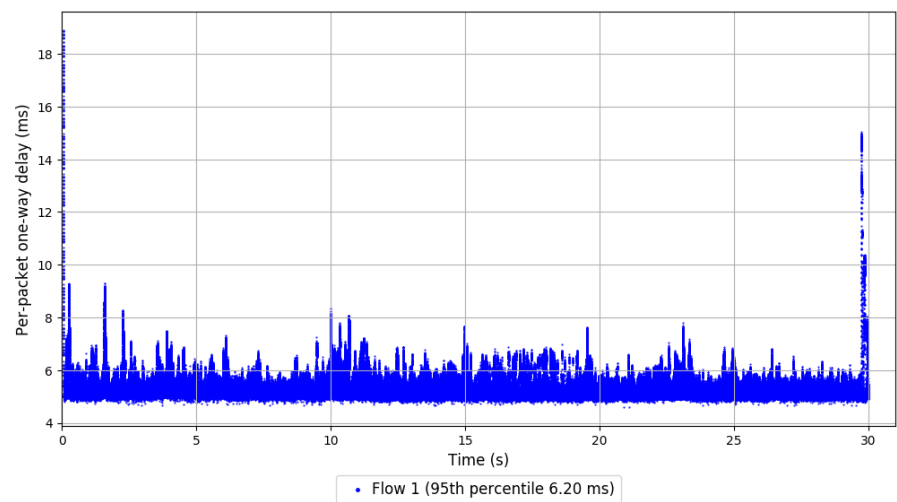
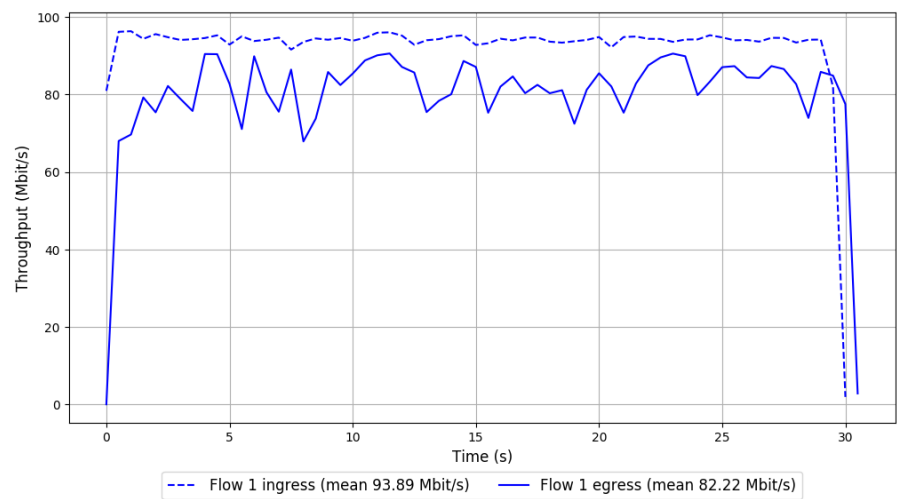


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 02:56:11
End at: 2018-08-09 02:56:41
Local clock offset: 1.334 ms
Remote clock offset: -6.544 ms

Below is generated by plot.py at 2018-08-09 04:27:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 6.200 ms
Loss rate: 12.44%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 6.200 ms
Loss rate: 12.44%

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

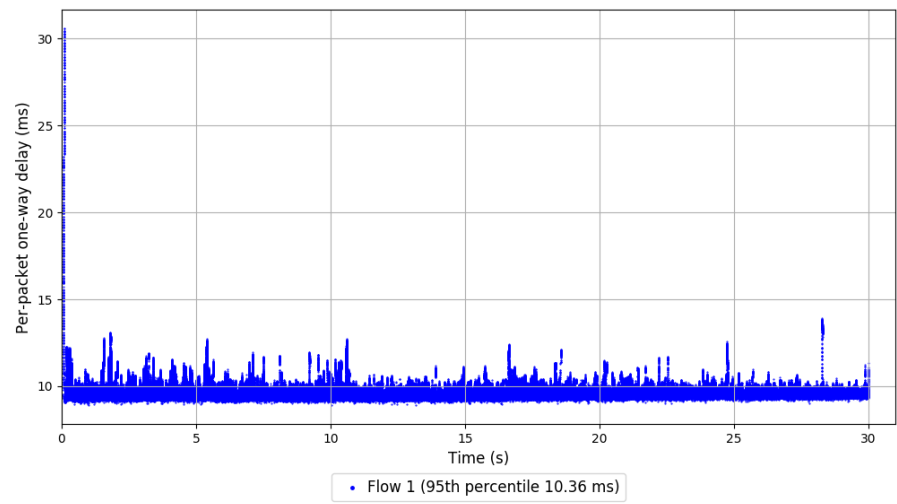
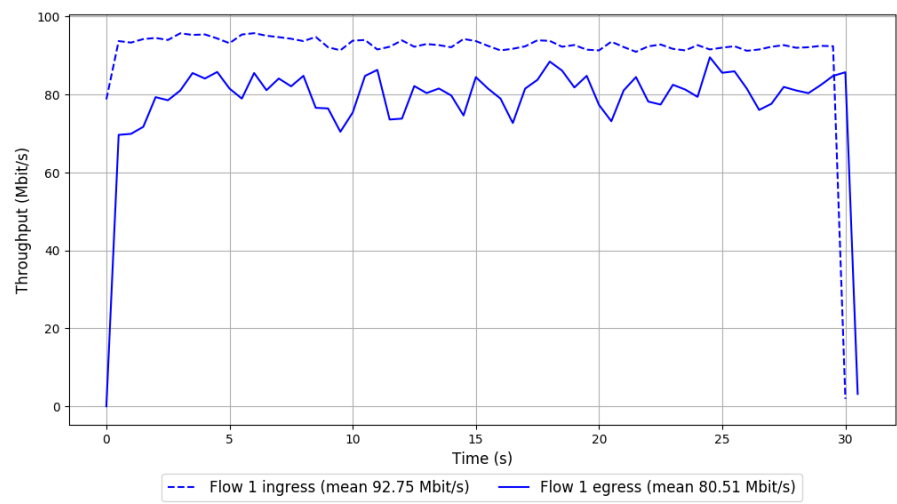


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 03:15:16
End at: 2018-08-09 03:15:46
Local clock offset: -1.139 ms
Remote clock offset: -12.707 ms

Below is generated by plot.py at 2018-08-09 04:27:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 10.360 ms
Loss rate: 13.19%
-- Flow 1:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 10.360 ms
Loss rate: 13.19%

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

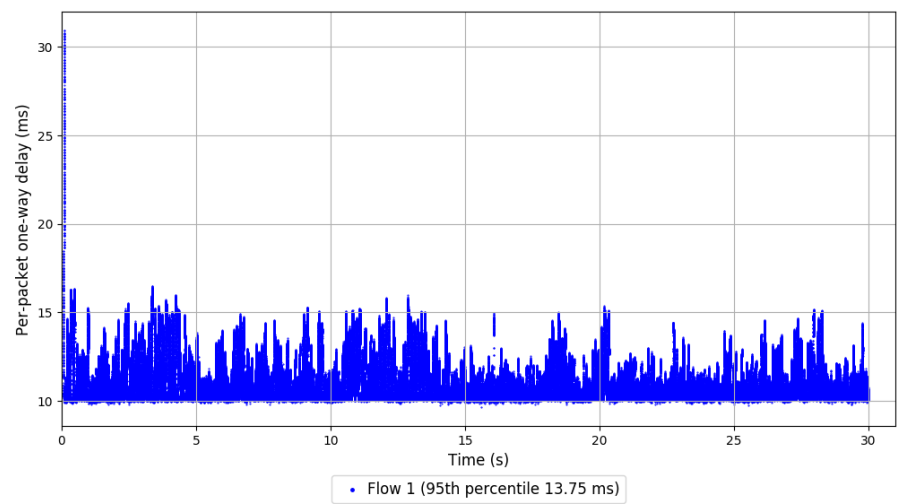
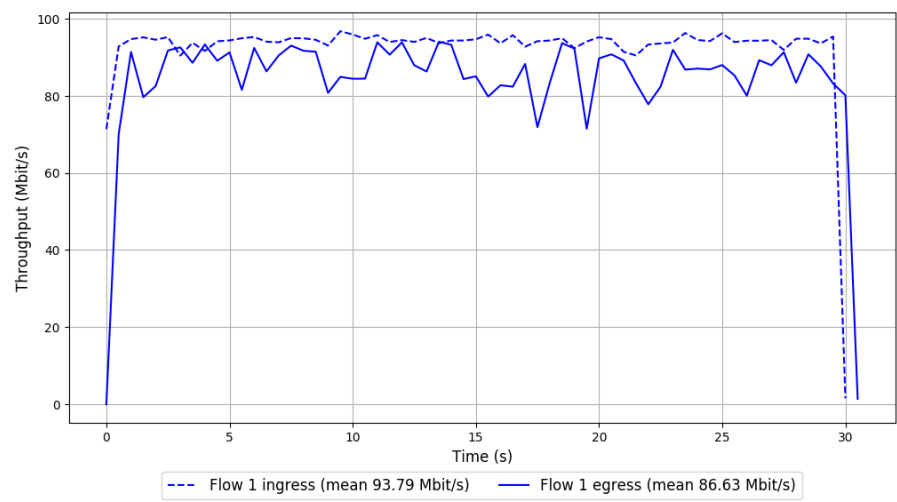


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 03:34:19
End at: 2018-08-09 03:34:49
Local clock offset: 2.258 ms
Remote clock offset: -14.767 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 13.747 ms
Loss rate: 7.65%
-- Flow 1:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 13.747 ms
Loss rate: 7.65%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 03:53:28

End at: 2018-08-09 03:53:58

Local clock offset: -0.785 ms

Remote clock offset: -5.114 ms

Below is generated by plot.py at 2018-08-09 04:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 7.395 ms

Loss rate: 9.78%

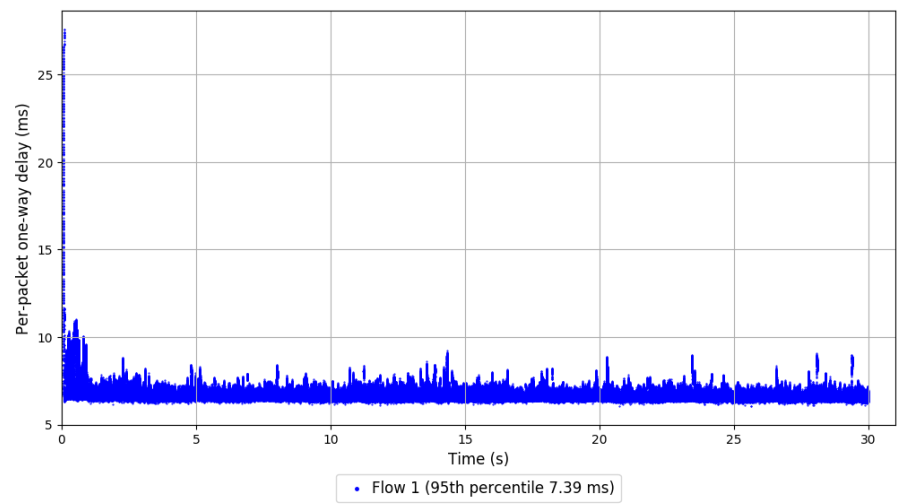
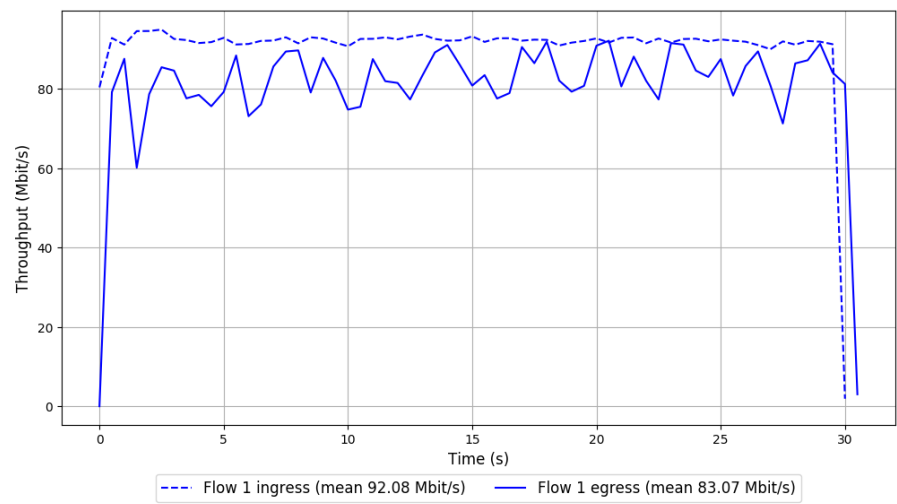
-- Flow 1:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 7.395 ms

Loss rate: 9.78%

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

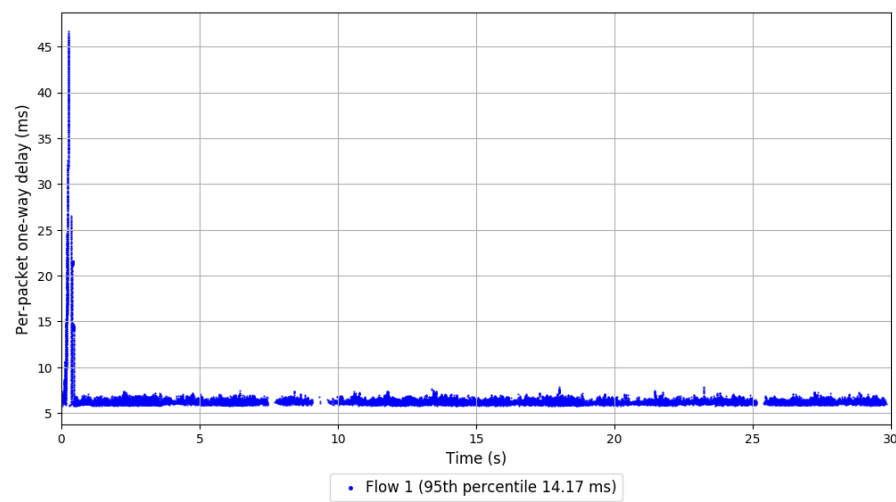
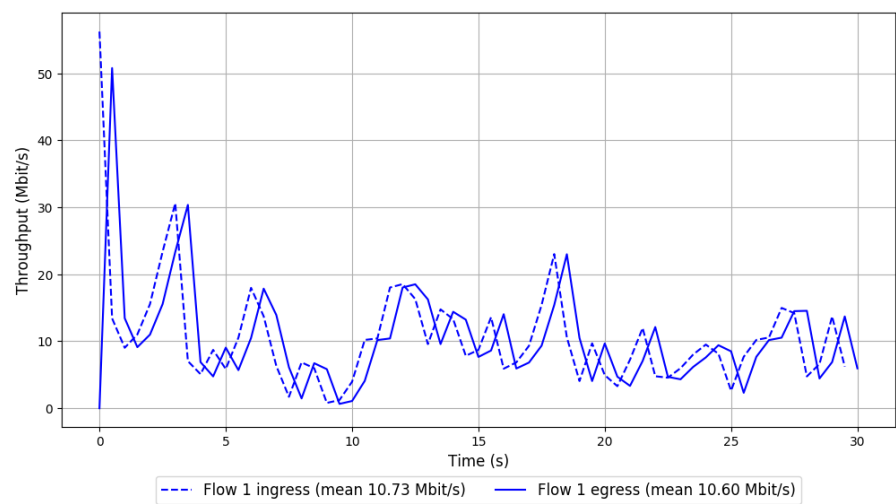


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 01:14:59
End at: 2018-08-09 01:15:29
Local clock offset: 0.837 ms
Remote clock offset: -25.186 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 14.168 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 14.168 ms
Loss rate: 1.34%

Run 1: Report of TCP Vegas — Data Link

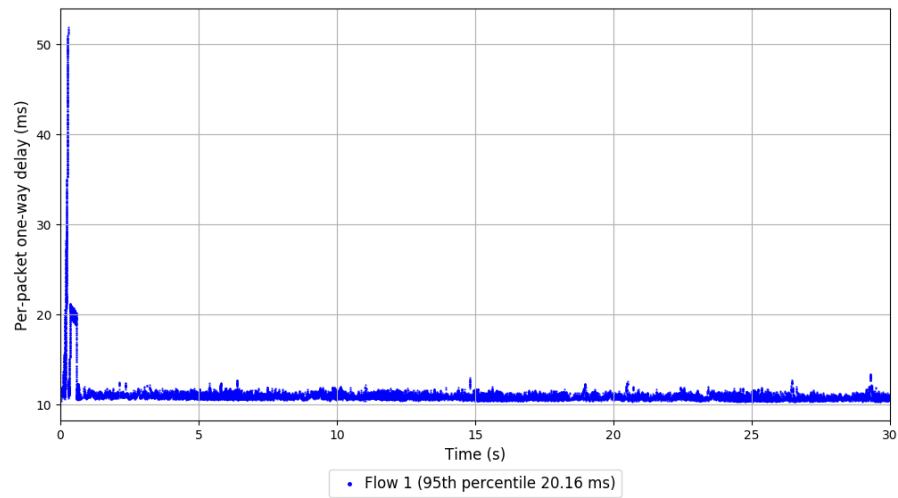
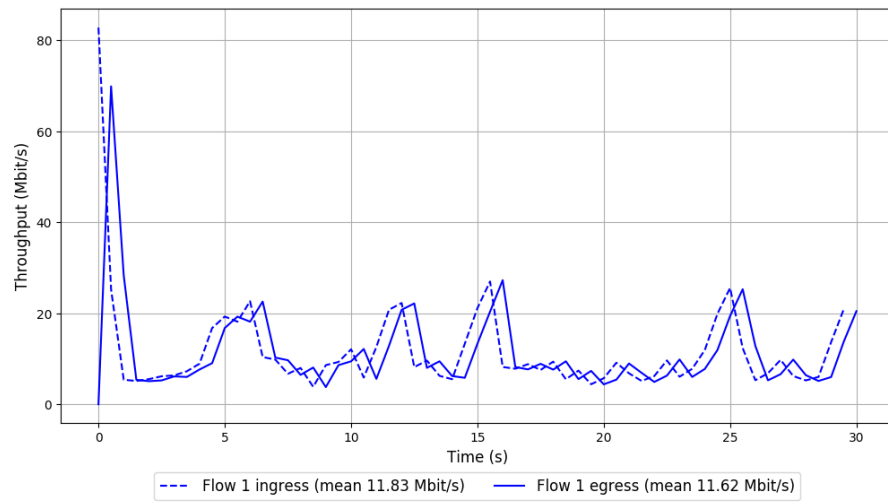


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 01:34:02
End at: 2018-08-09 01:34:32
Local clock offset: -4.346 ms
Remote clock offset: -8.804 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 20.155 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 20.155 ms
Loss rate: 1.71%

Run 2: Report of TCP Vegas — Data Link

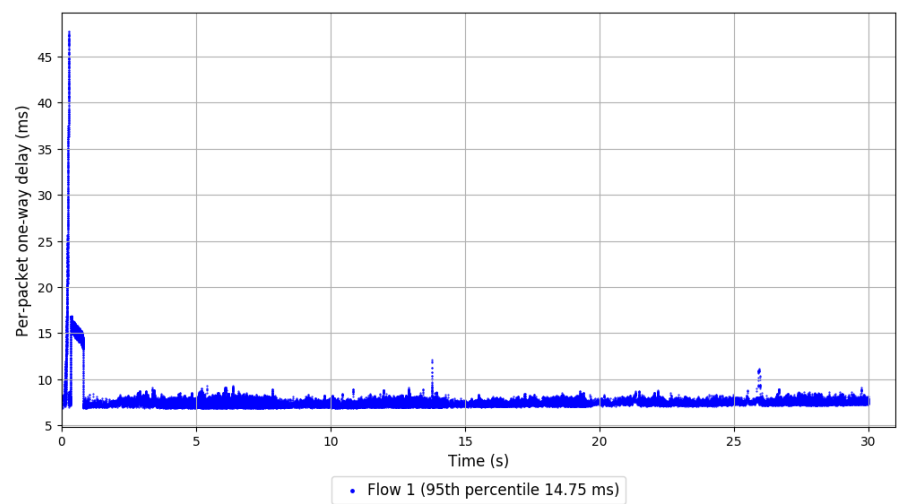
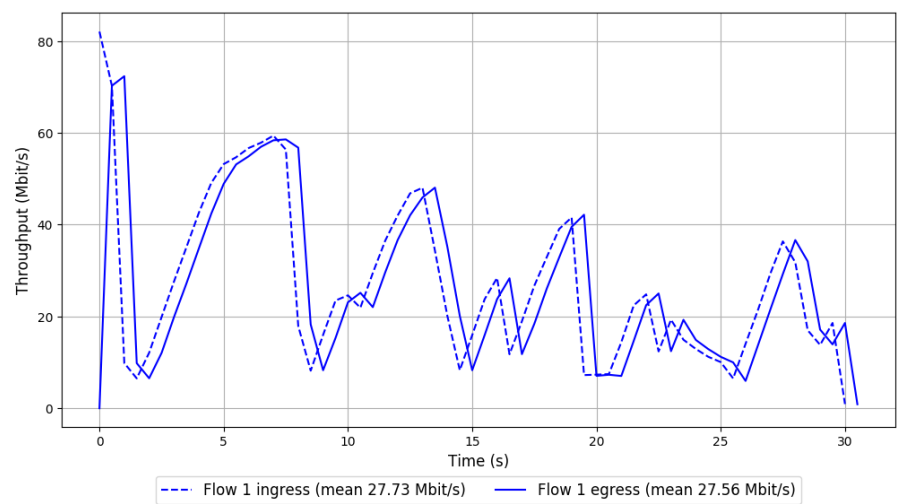


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 01:53:07
End at: 2018-08-09 01:53:37
Local clock offset: 1.831 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 14.746 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 14.746 ms
Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link

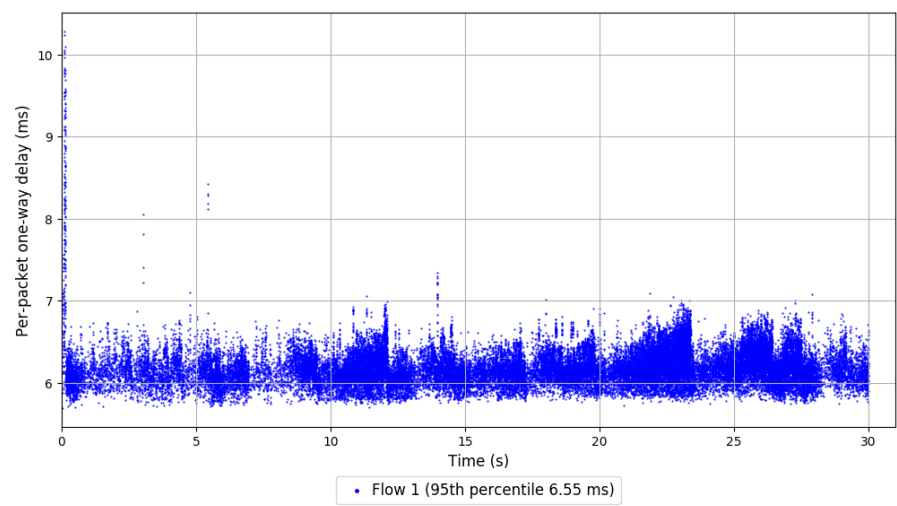
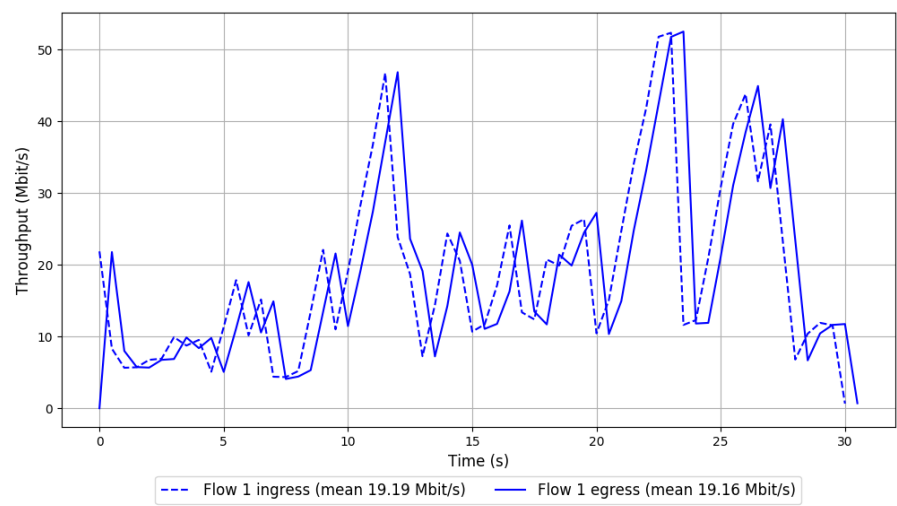


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 02:12:20
End at: 2018-08-09 02:12:50
Local clock offset: 0.194 ms
Remote clock offset: -8.432 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 6.552 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 6.552 ms
Loss rate: 0.16%

Run 4: Report of TCP Vegas — Data Link

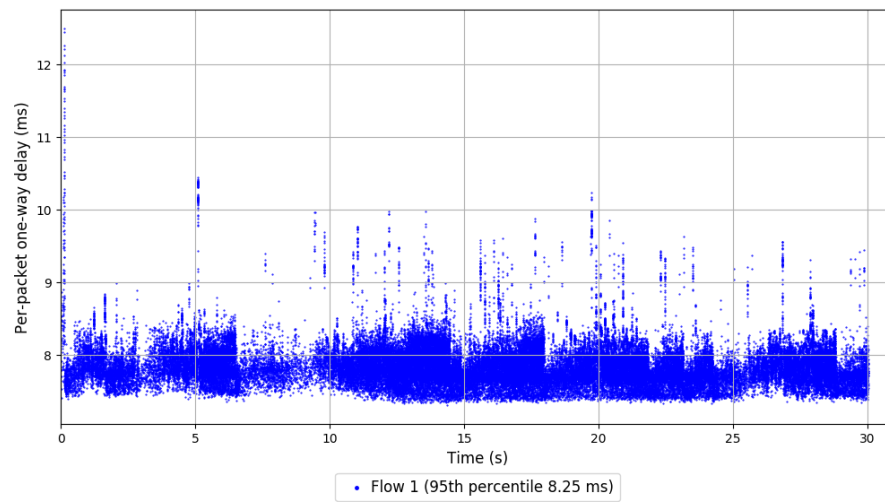
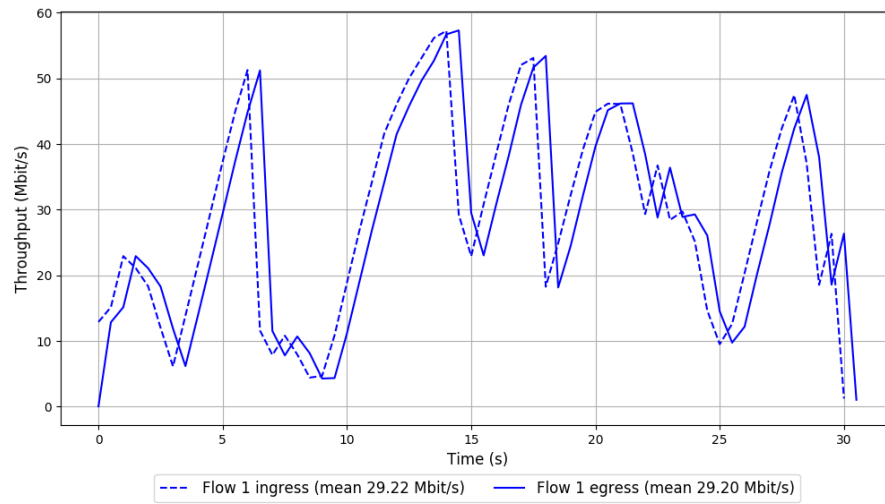


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 02:31:21
End at: 2018-08-09 02:31:51
Local clock offset: 1.38 ms
Remote clock offset: -7.998 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 8.253 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 8.253 ms
Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

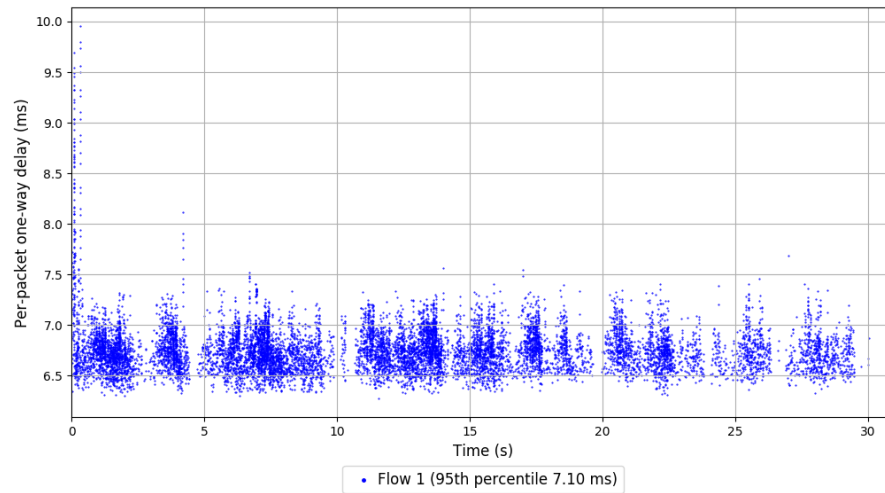
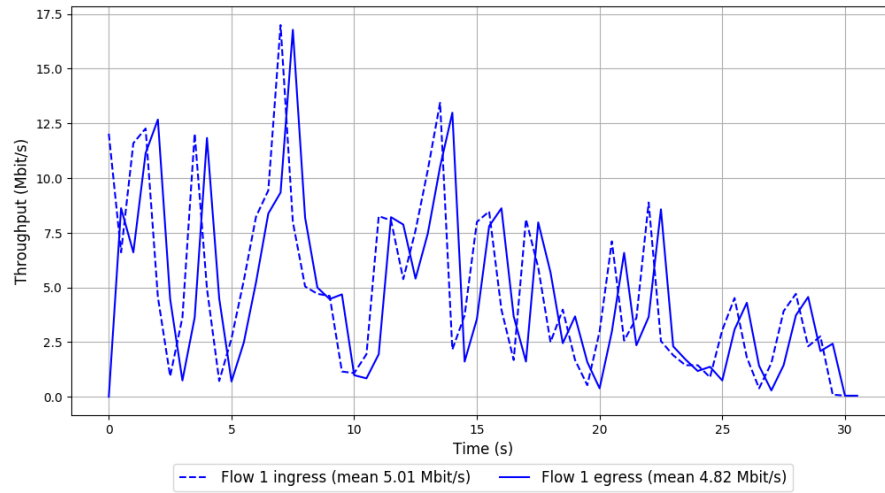


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 02:50:33
End at: 2018-08-09 02:51:03
Local clock offset: 0.16 ms
Remote clock offset: -6.591 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 7.100 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 7.100 ms
Loss rate: 3.89%

Run 6: Report of TCP Vegas — Data Link

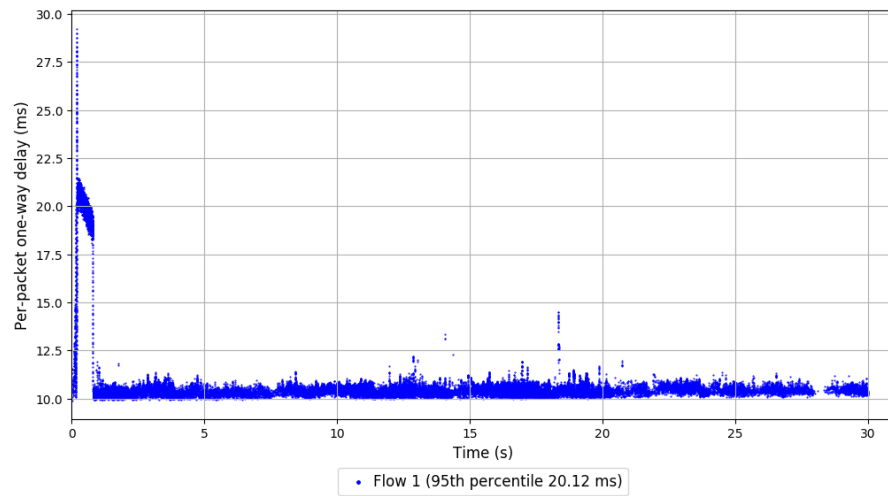
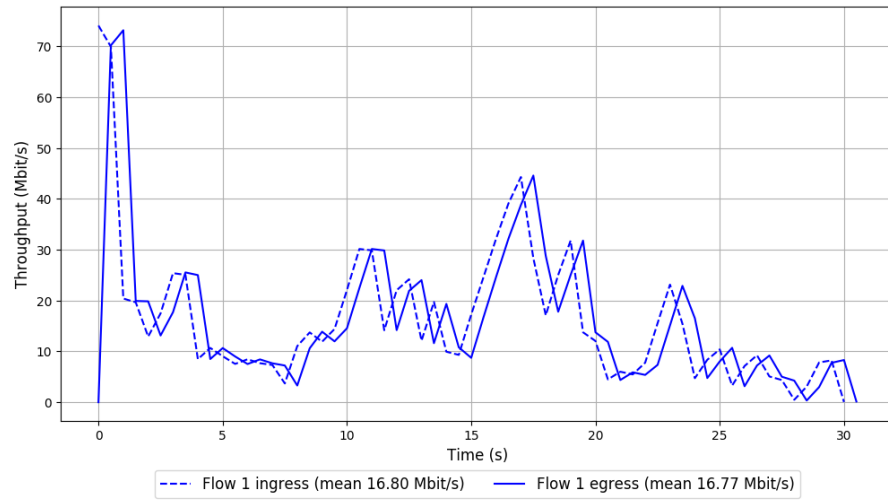


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 03:09:38
End at: 2018-08-09 03:10:08
Local clock offset: -1.848 ms
Remote clock offset: -11.082 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 20.123 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 20.123 ms
Loss rate: 0.18%

Run 7: Report of TCP Vegas — Data Link

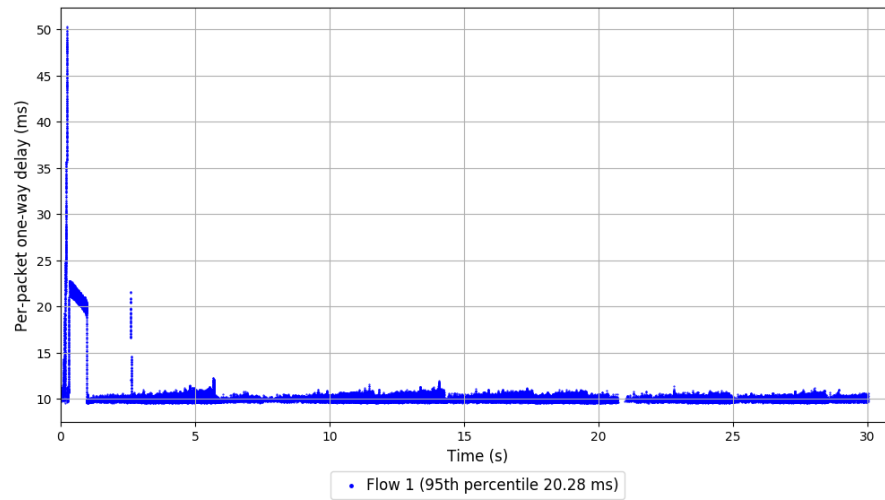
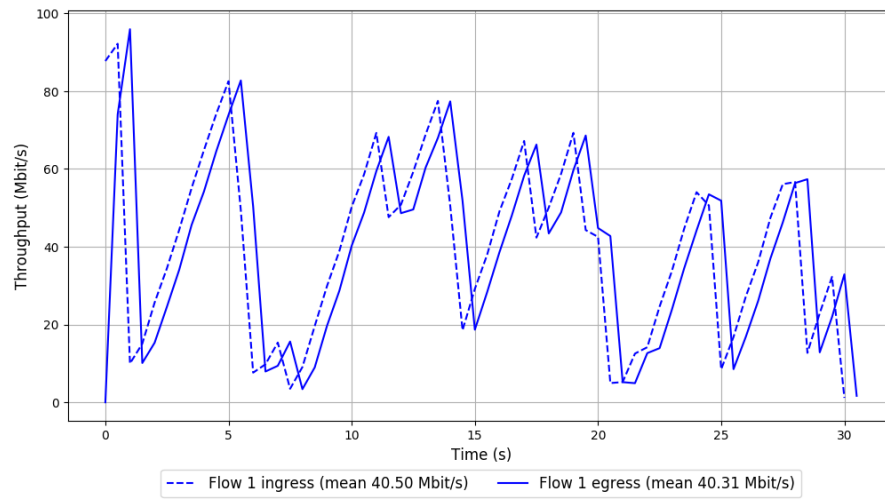


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 03:28:42
End at: 2018-08-09 03:29:12
Local clock offset: -4.503 ms
Remote clock offset: -14.467 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 20.280 ms
Loss rate: 0.45%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 03:47:45

End at: 2018-08-09 03:48:15

Local clock offset: 0.224 ms

Remote clock offset: -7.34 ms

Below is generated by plot.py at 2018-08-09 04:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.70 Mbit/s

95th percentile per-packet one-way delay: 41.433 ms

Loss rate: 3.13%

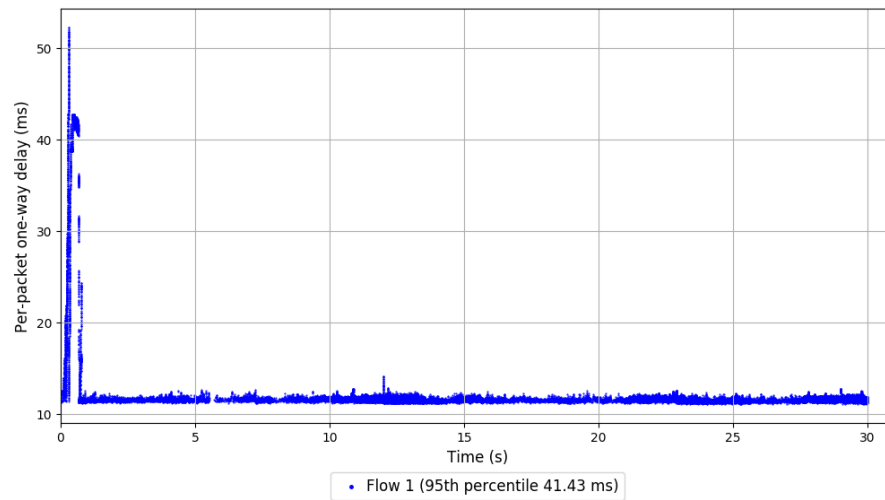
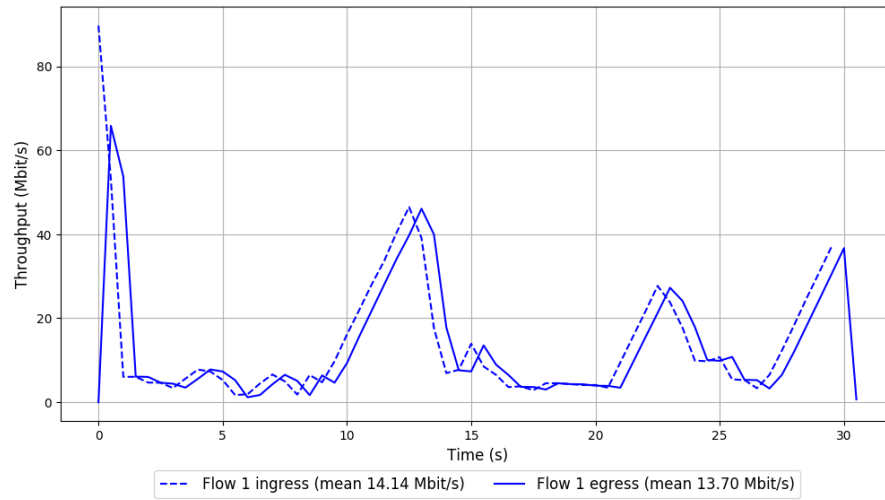
-- Flow 1:

Average throughput: 13.70 Mbit/s

95th percentile per-packet one-way delay: 41.433 ms

Loss rate: 3.13%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 04:06:58

End at: 2018-08-09 04:07:28

Local clock offset: 2.267 ms

Remote clock offset: -3.091 ms

Below is generated by plot.py at 2018-08-09 04:29:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.94 Mbit/s

95th percentile per-packet one-way delay: 5.118 ms

Loss rate: 1.00%

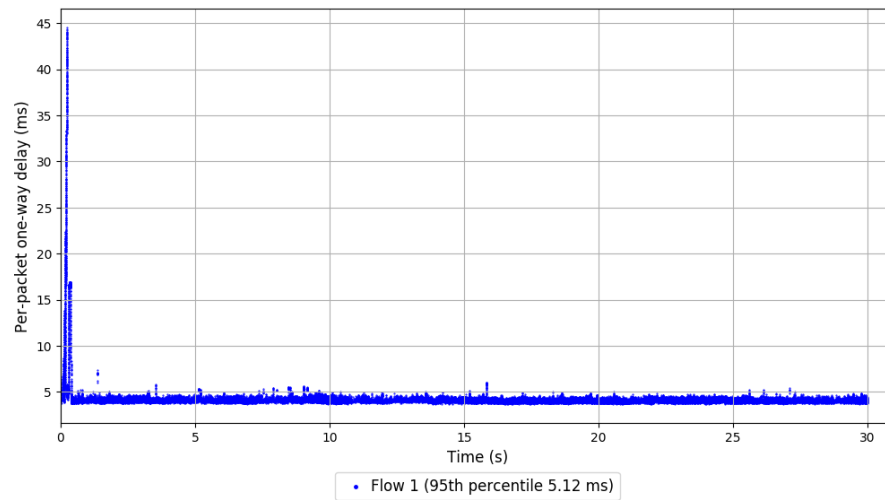
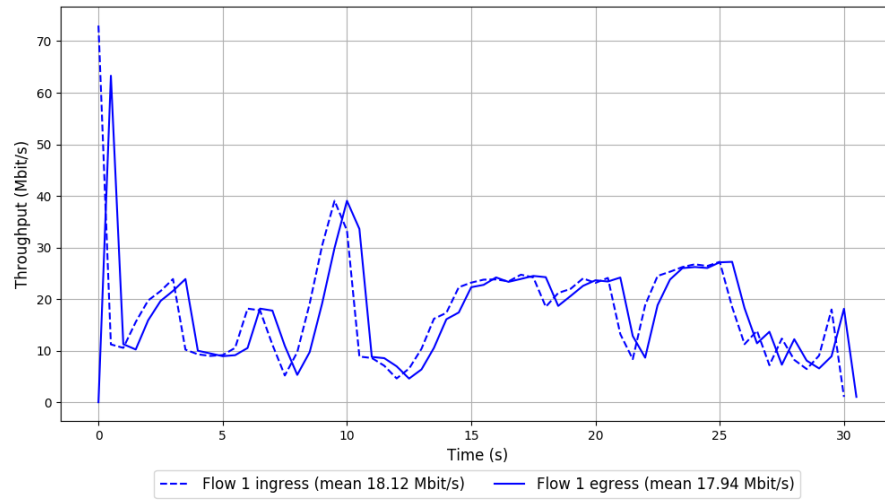
-- Flow 1:

Average throughput: 17.94 Mbit/s

95th percentile per-packet one-way delay: 5.118 ms

Loss rate: 1.00%

Run 10: Report of TCP Vegas — Data Link

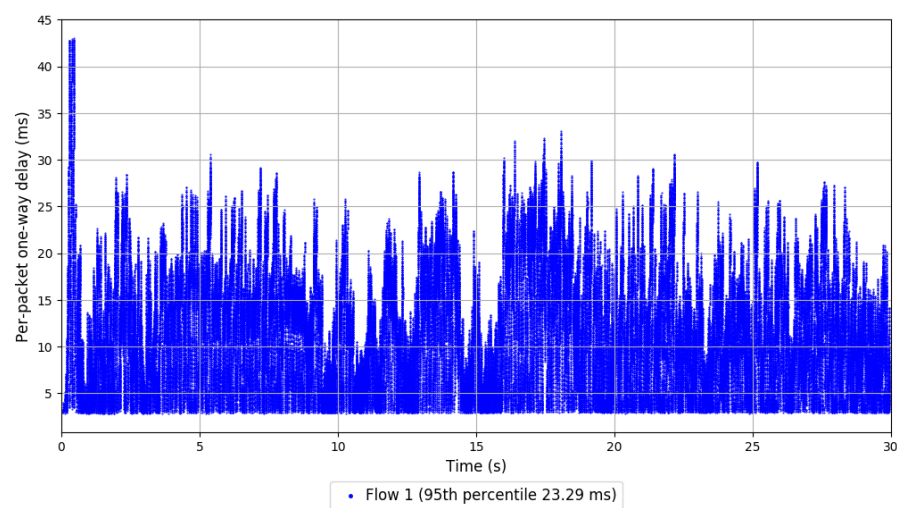
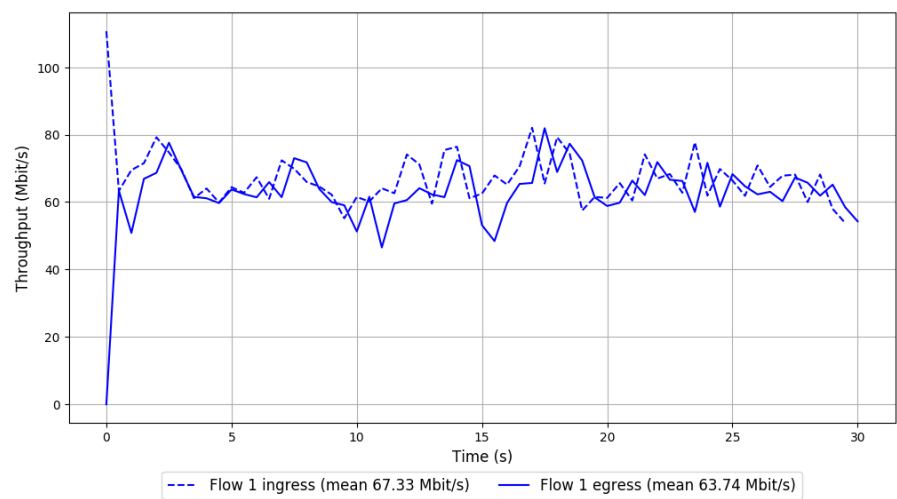


Run 1: Statistics of Verus

Start at: 2018-08-09 01:17:09
End at: 2018-08-09 01:17:39
Local clock offset: 1.587 ms
Remote clock offset: -25.294 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 23.289 ms
Loss rate: 5.29%
-- Flow 1:
Average throughput: 63.74 Mbit/s
95th percentile per-packet one-way delay: 23.289 ms
Loss rate: 5.29%

Run 1: Report of Verus — Data Link

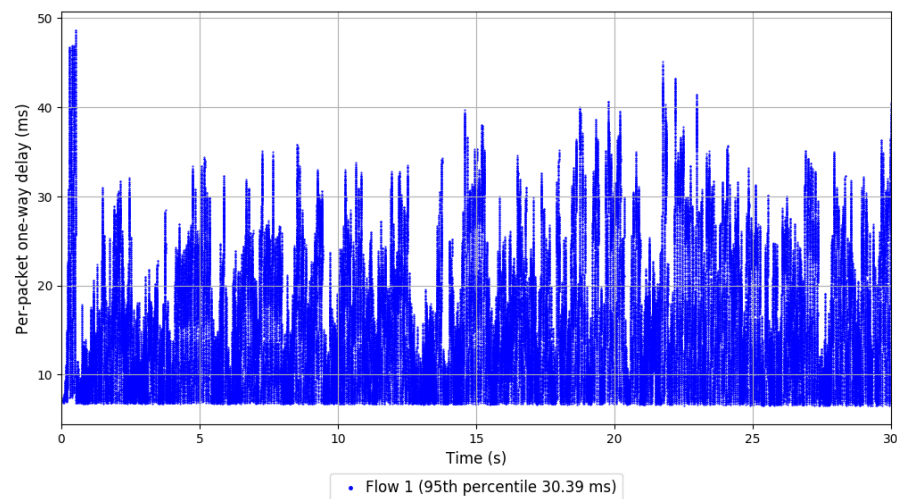
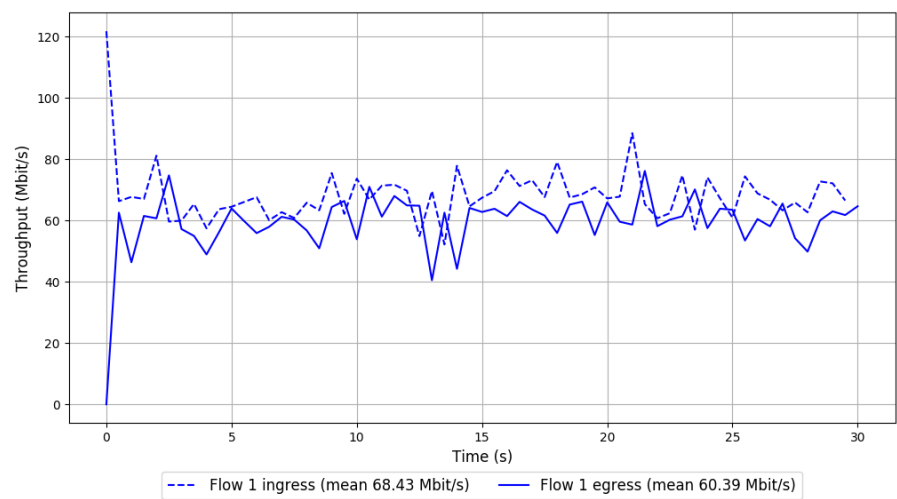


Run 2: Statistics of Verus

Start at: 2018-08-09 01:36:11
End at: 2018-08-09 01:36:41
Local clock offset: -1.863 ms
Remote clock offset: -6.544 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 30.395 ms
Loss rate: 11.65%
-- Flow 1:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 30.395 ms
Loss rate: 11.65%

Run 2: Report of Verus — Data Link

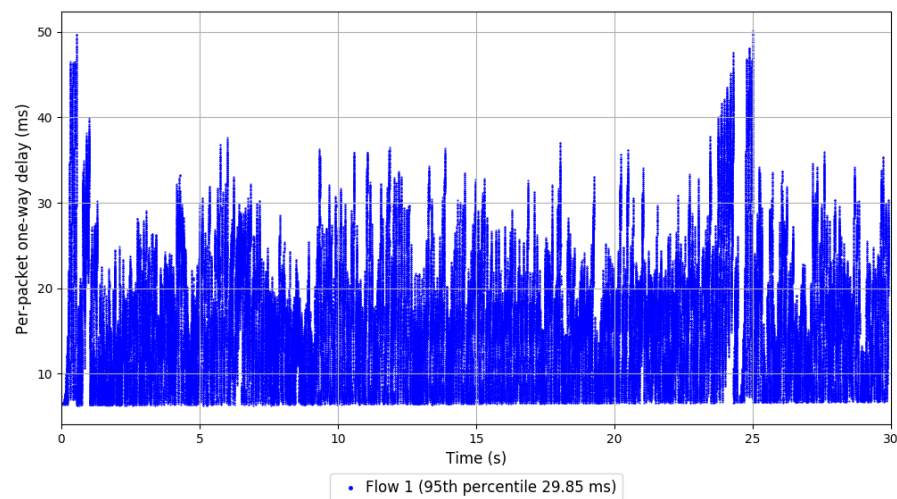
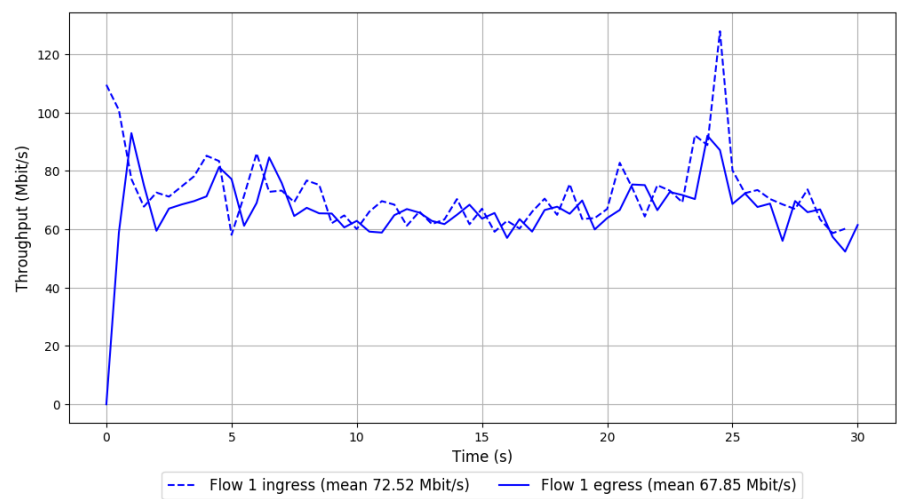


Run 3: Statistics of Verus

Start at: 2018-08-09 01:55:17
End at: 2018-08-09 01:55:48
Local clock offset: 2.149 ms
Remote clock offset: -2.402 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 29.850 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 29.850 ms
Loss rate: 6.38%

Run 3: Report of Verus — Data Link

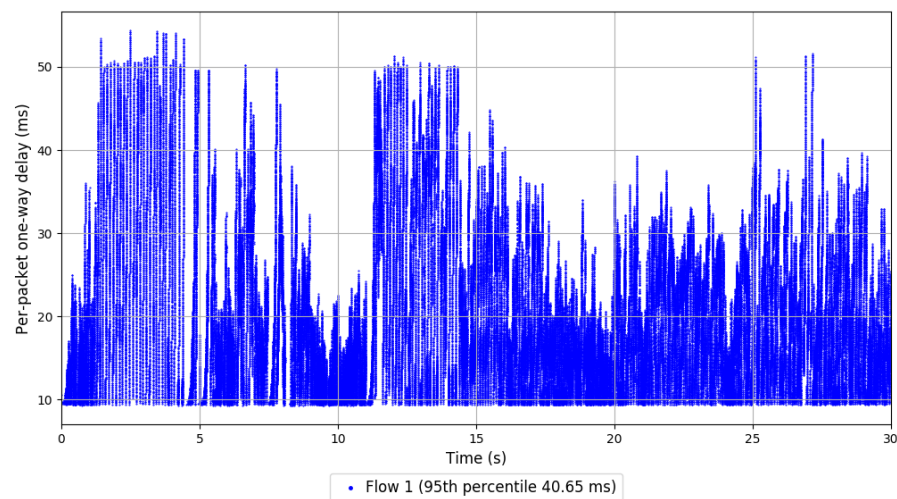
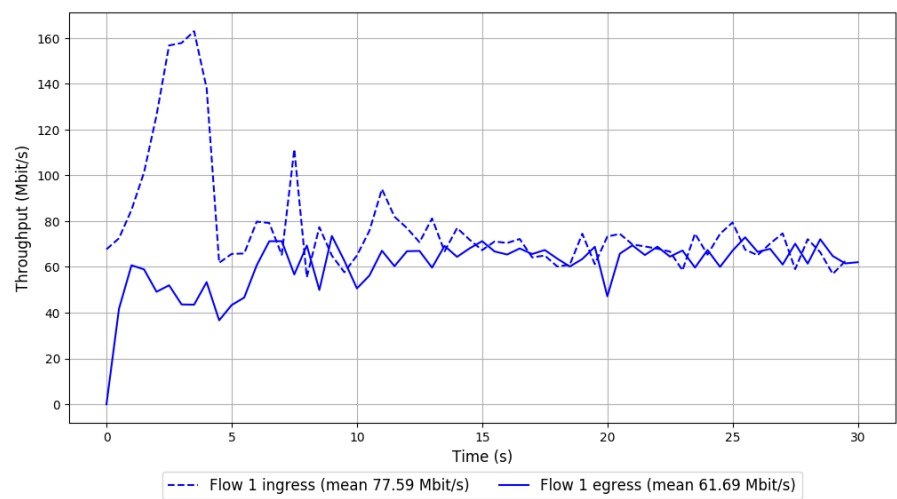


Run 4: Statistics of Verus

Start at: 2018-08-09 02:14:30
End at: 2018-08-09 02:15:00
Local clock offset: -0.592 ms
Remote clock offset: -8.166 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 40.649 ms
Loss rate: 20.46%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 40.649 ms
Loss rate: 20.46%

Run 4: Report of Verus — Data Link

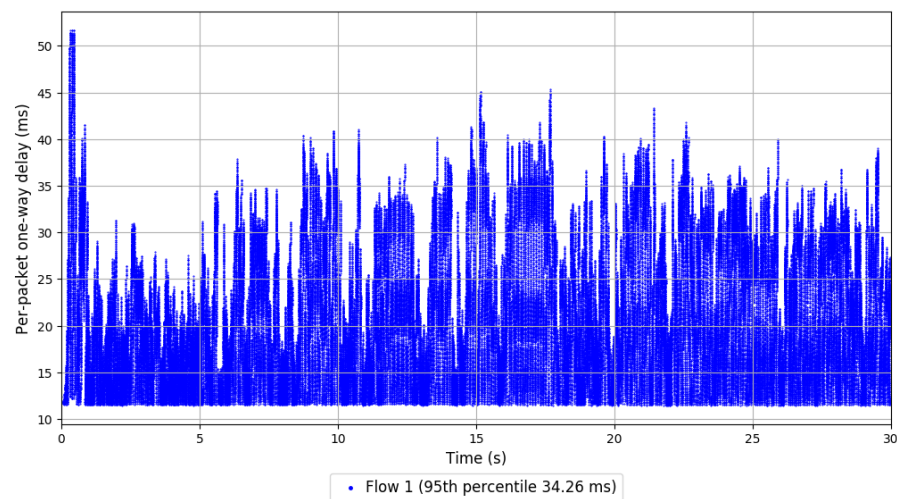
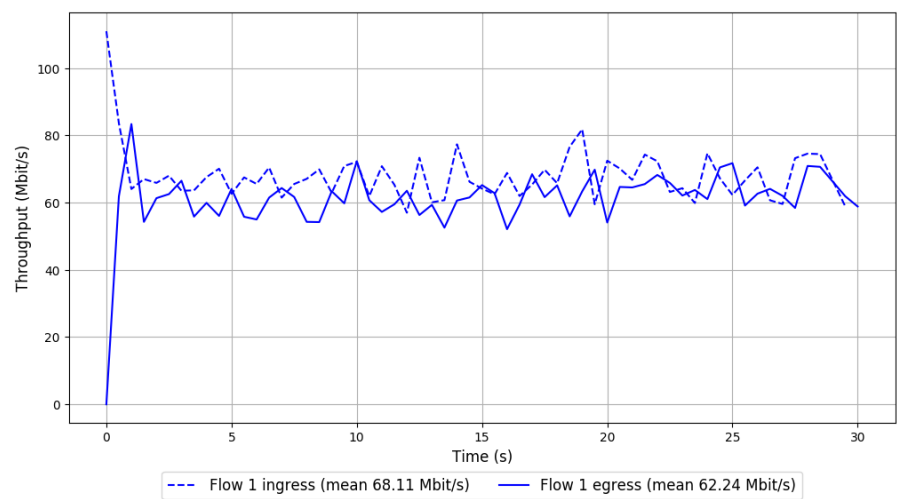


Run 5: Statistics of Verus

Start at: 2018-08-09 02:33:32
End at: 2018-08-09 02:34:02
Local clock offset: -4.641 ms
Remote clock offset: -7.306 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 34.264 ms
Loss rate: 8.62%
-- Flow 1:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 34.264 ms
Loss rate: 8.62%

Run 5: Report of Verus — Data Link

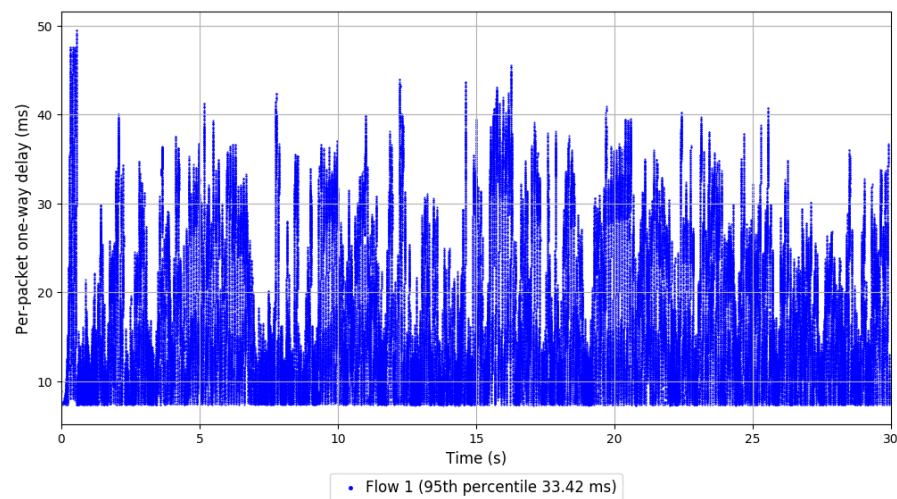
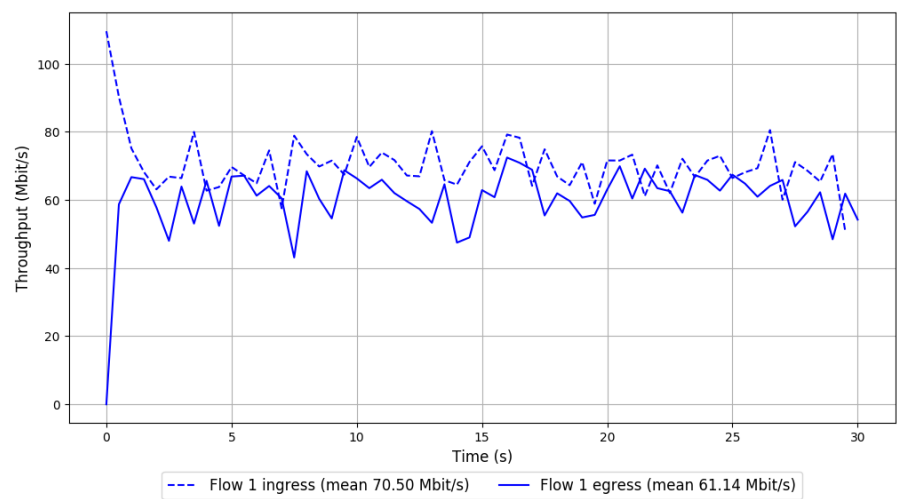


Run 6: Statistics of Verus

Start at: 2018-08-09 02:52:42
End at: 2018-08-09 02:53:12
Local clock offset: 2.19 ms
Remote clock offset: -5.782 ms

Below is generated by plot.py at 2018-08-09 04:29:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 33.420 ms
Loss rate: 13.28%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 33.420 ms
Loss rate: 13.28%

Run 6: Report of Verus — Data Link

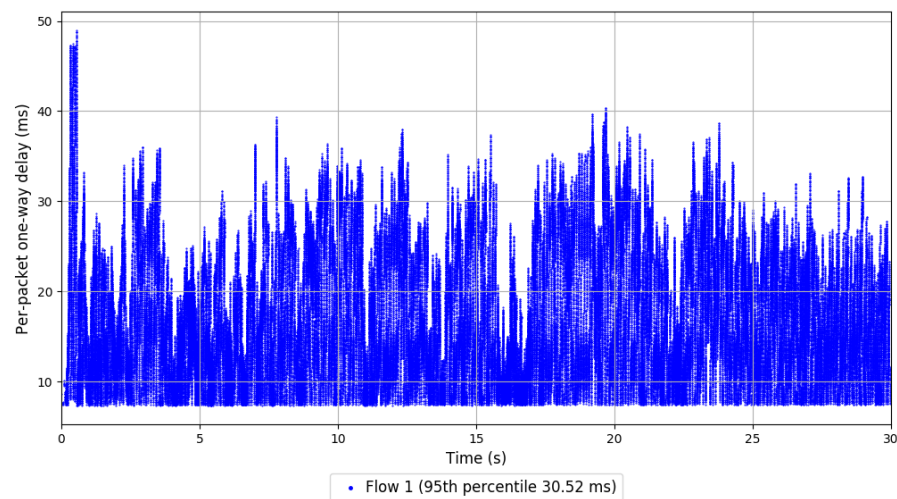
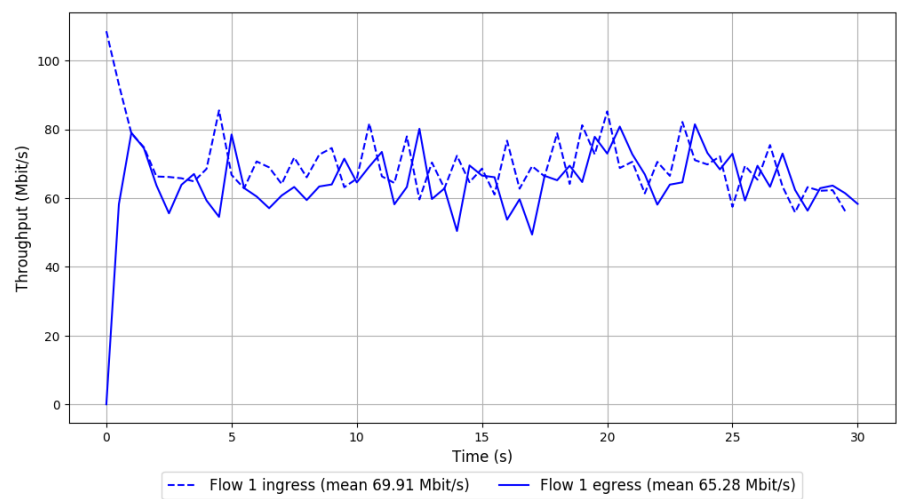


Run 7: Statistics of Verus

Start at: 2018-08-09 03:11:48
End at: 2018-08-09 03:12:18
Local clock offset: 0.61 ms
Remote clock offset: -11.855 ms

Below is generated by plot.py at 2018-08-09 04:29:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.28 Mbit/s
95th percentile per-packet one-way delay: 30.519 ms
Loss rate: 6.61%
-- Flow 1:
Average throughput: 65.28 Mbit/s
95th percentile per-packet one-way delay: 30.519 ms
Loss rate: 6.61%

Run 7: Report of Verus — Data Link

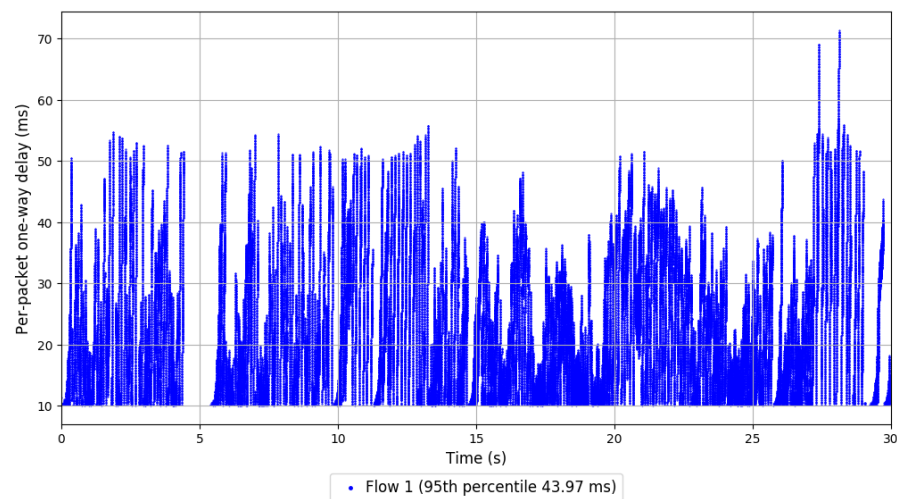
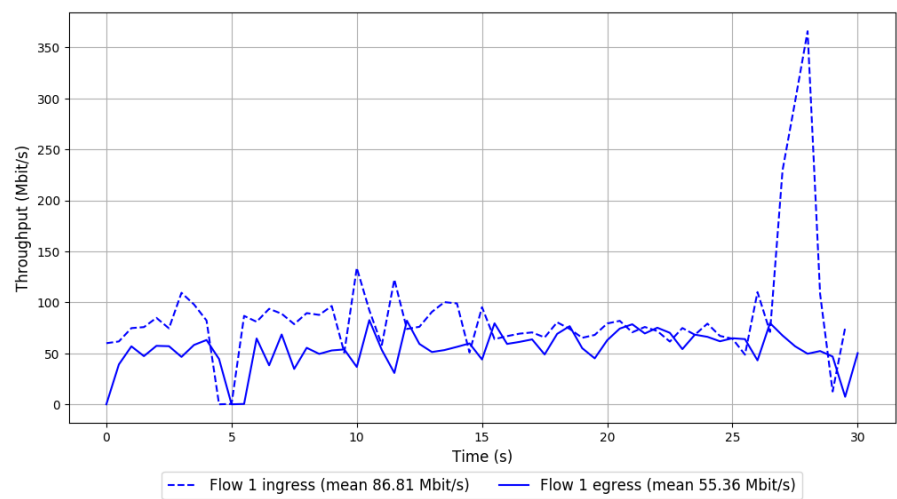


Run 8: Statistics of Verus

Start at: 2018-08-09 03:30:53
End at: 2018-08-09 03:31:23
Local clock offset: 1.337 ms
Remote clock offset: -15.176 ms

Below is generated by plot.py at 2018-08-09 04:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 43.965 ms
Loss rate: 36.23%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 43.965 ms
Loss rate: 36.23%

Run 8: Report of Verus — Data Link

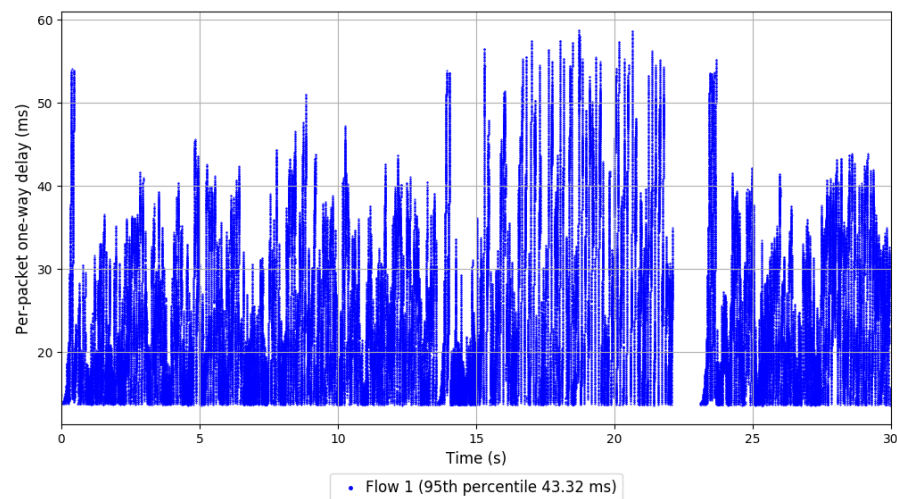
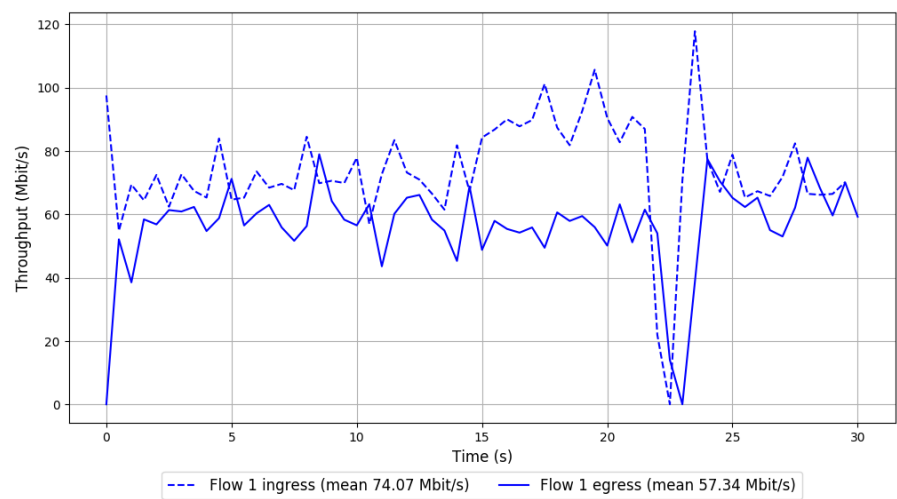


Run 9: Statistics of Verus

Start at: 2018-08-09 03:49:56
End at: 2018-08-09 03:50:26
Local clock offset: -0.966 ms
Remote clock offset: -5.552 ms

Below is generated by plot.py at 2018-08-09 04:29:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 43.321 ms
Loss rate: 22.61%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 43.321 ms
Loss rate: 22.61%

Run 9: Report of Verus — Data Link

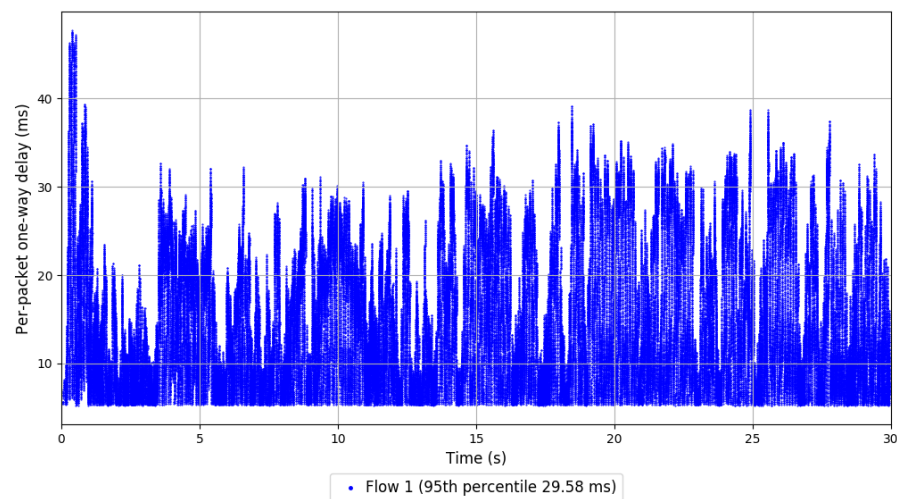
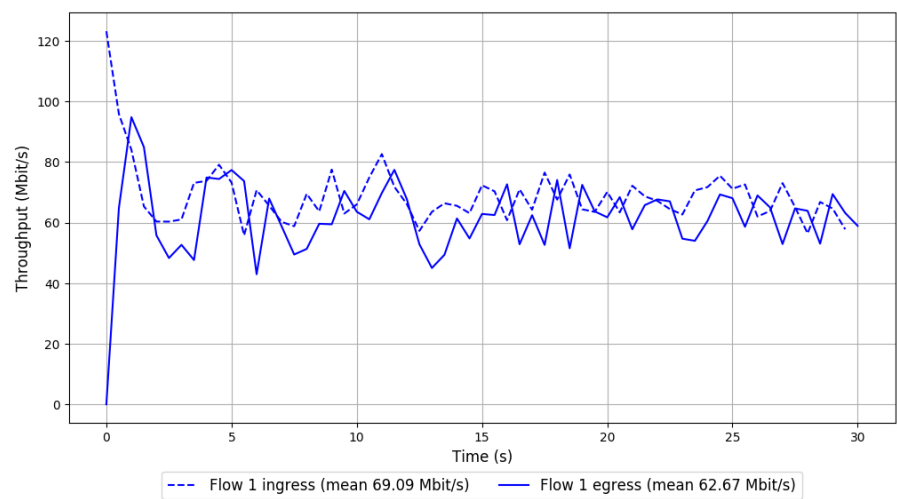


Run 10: Statistics of Verus

Start at: 2018-08-09 04:09:08
End at: 2018-08-09 04:09:38
Local clock offset: 0.114 ms
Remote clock offset: -3.532 ms

Below is generated by plot.py at 2018-08-09 04:29:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 29.576 ms
Loss rate: 9.30%
-- Flow 1:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 29.576 ms
Loss rate: 9.30%

Run 10: Report of Verus — Data Link

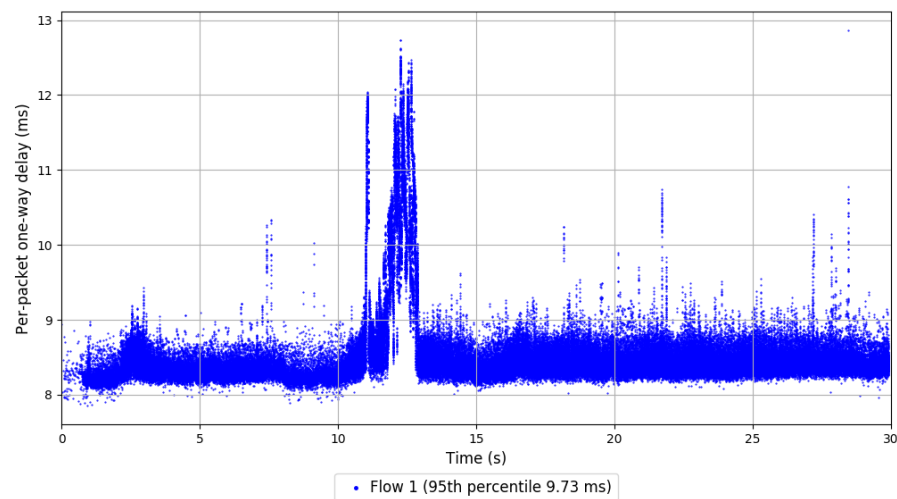
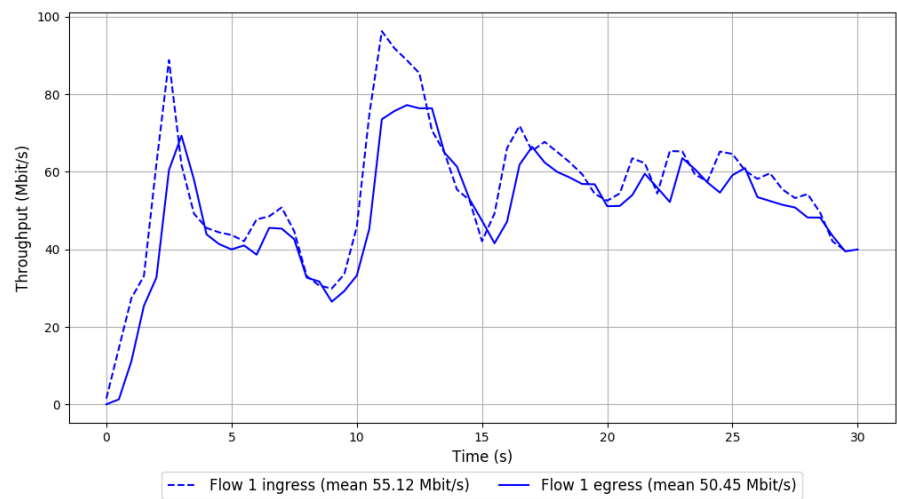


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 01:00:15
End at: 2018-08-09 01:00:45
Local clock offset: 0.041 ms
Remote clock offset: -22.051 ms

Below is generated by plot.py at 2018-08-09 04:29:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 9.732 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 9.732 ms
Loss rate: 8.49%

Run 1: Report of PCC-Vivace — Data Link

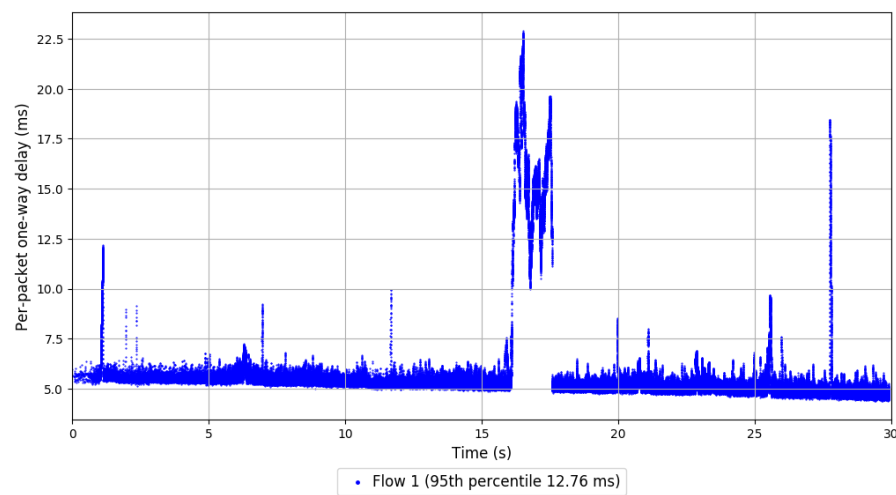
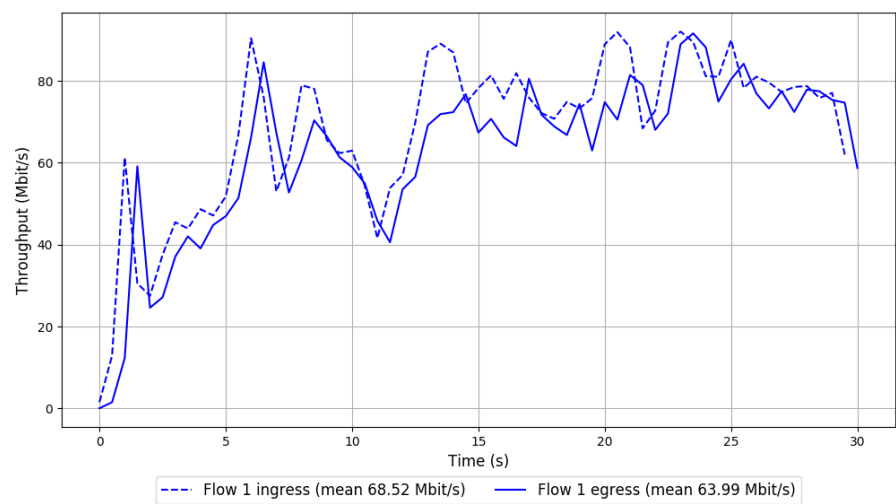


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 01:19:29
End at: 2018-08-09 01:19:59
Local clock offset: 1.1 ms
Remote clock offset: -25.197 ms

Below is generated by plot.py at 2018-08-09 04:29:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 12.757 ms
Loss rate: 6.62%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 12.757 ms
Loss rate: 6.62%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 01:38:30

End at: 2018-08-09 01:39:00

Local clock offset: 1.472 ms

Remote clock offset: -5.997 ms

Below is generated by plot.py at 2018-08-09 04:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.56 Mbit/s

95th percentile per-packet one-way delay: 3.563 ms

Loss rate: 8.01%

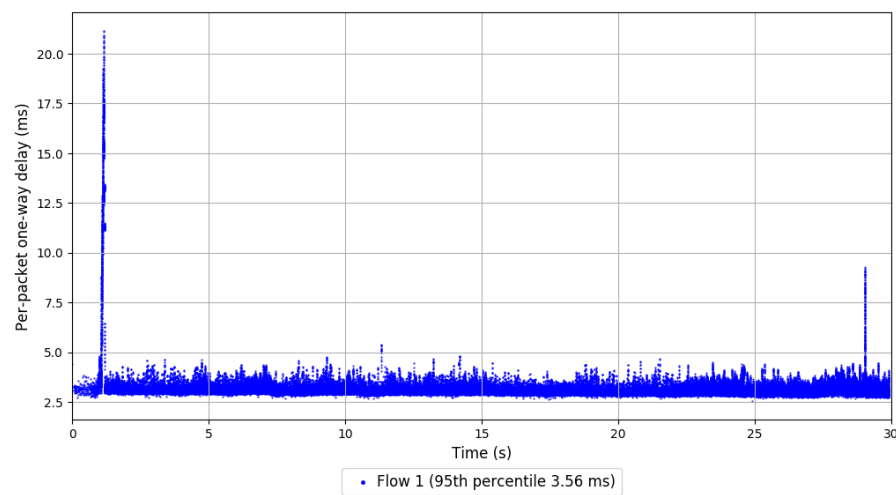
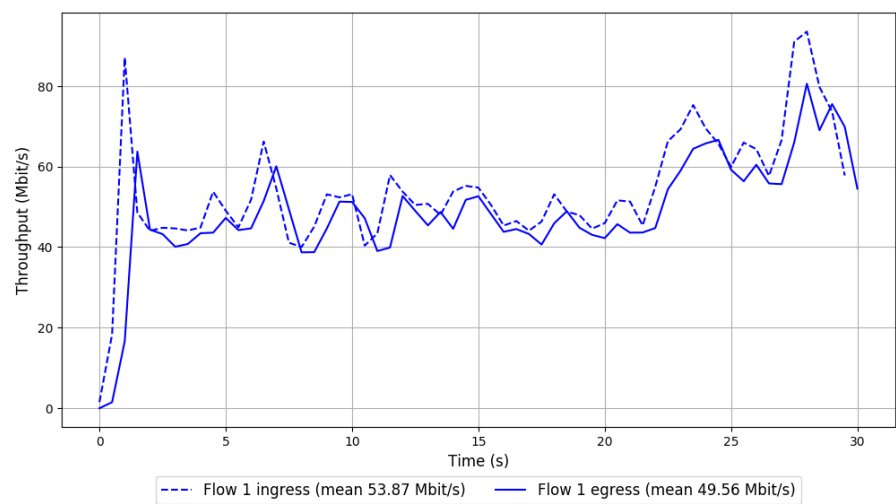
-- Flow 1:

Average throughput: 49.56 Mbit/s

95th percentile per-packet one-way delay: 3.563 ms

Loss rate: 8.01%

Run 3: Report of PCC-Vivace — Data Link

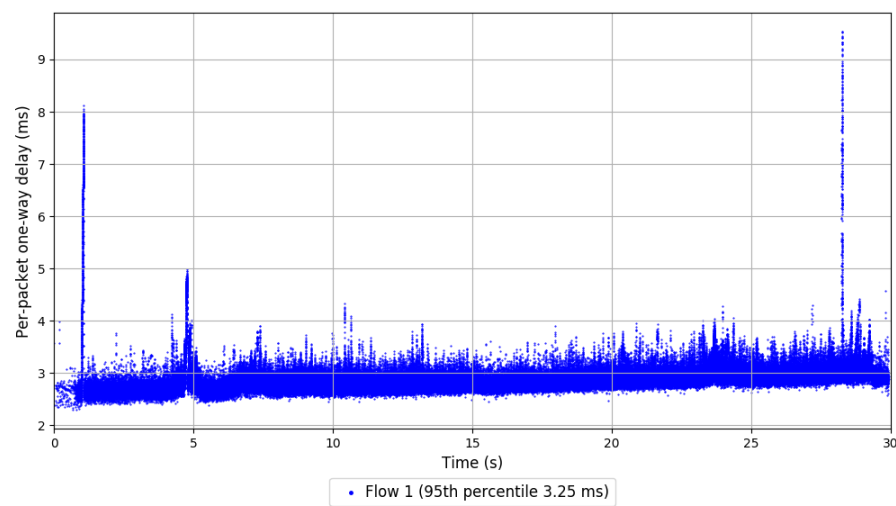
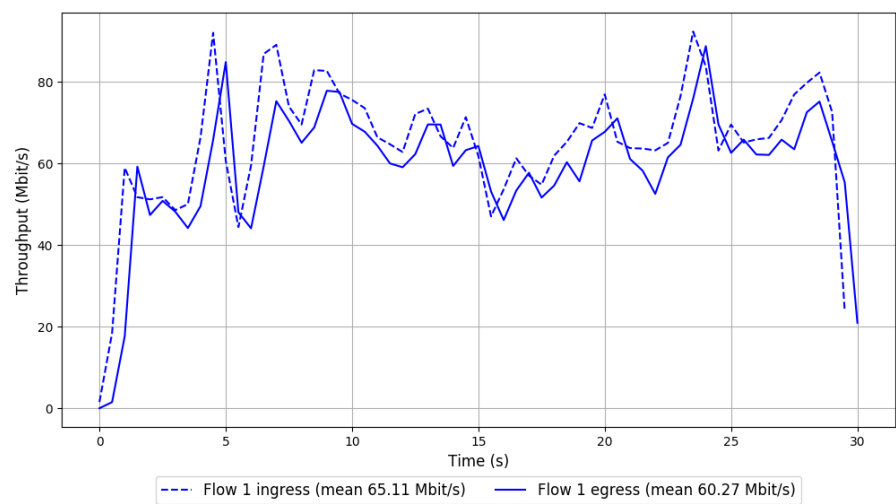


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 01:57:42
End at: 2018-08-09 01:58:12
Local clock offset: 3.191 ms
Remote clock offset: -4.516 ms

Below is generated by plot.py at 2018-08-09 04:30:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 3.251 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 3.251 ms
Loss rate: 7.45%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 02:16:48

End at: 2018-08-09 02:17:18

Local clock offset: 2.28 ms

Remote clock offset: -9.693 ms

Below is generated by plot.py at 2018-08-09 04:30:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 5.780 ms

Loss rate: 6.21%

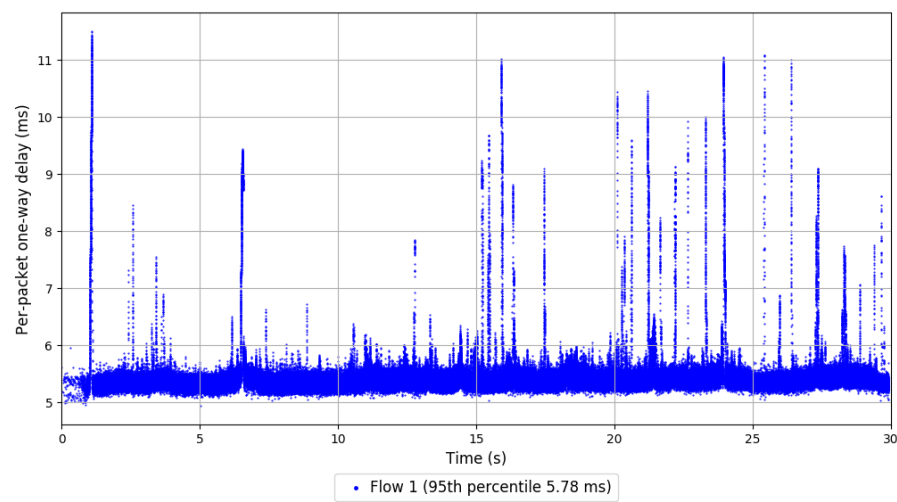
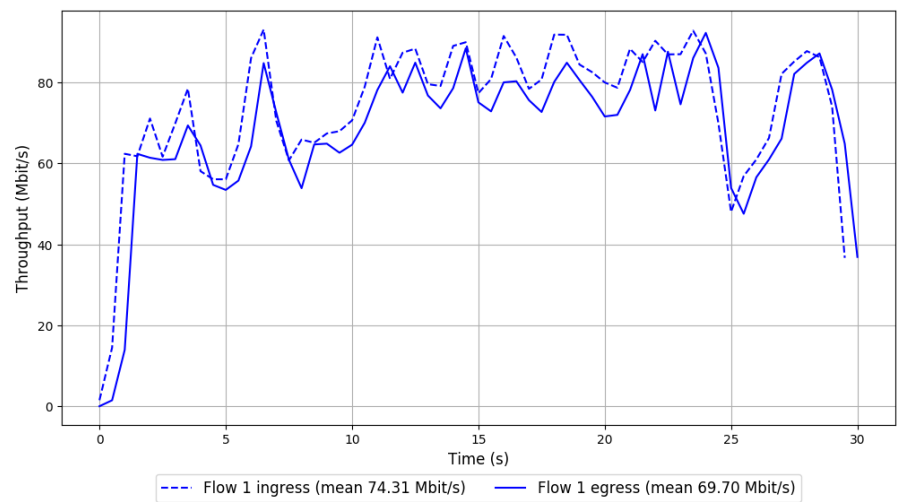
-- Flow 1:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 5.780 ms

Loss rate: 6.21%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 02:35:50

End at: 2018-08-09 02:36:20

Local clock offset: -3.96 ms

Remote clock offset: -7.411 ms

Below is generated by plot.py at 2018-08-09 04:30:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 11.416 ms

Loss rate: 3.44%

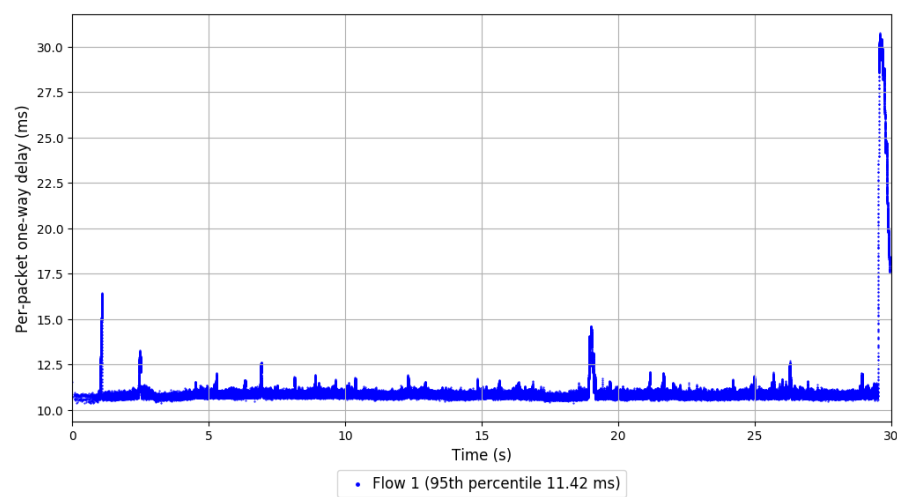
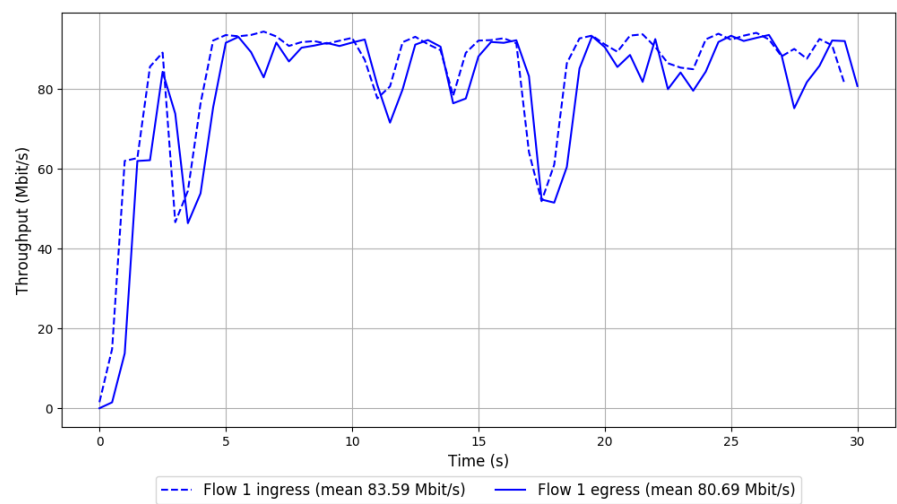
-- Flow 1:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 11.416 ms

Loss rate: 3.44%

Run 6: Report of PCC-Vivace — Data Link

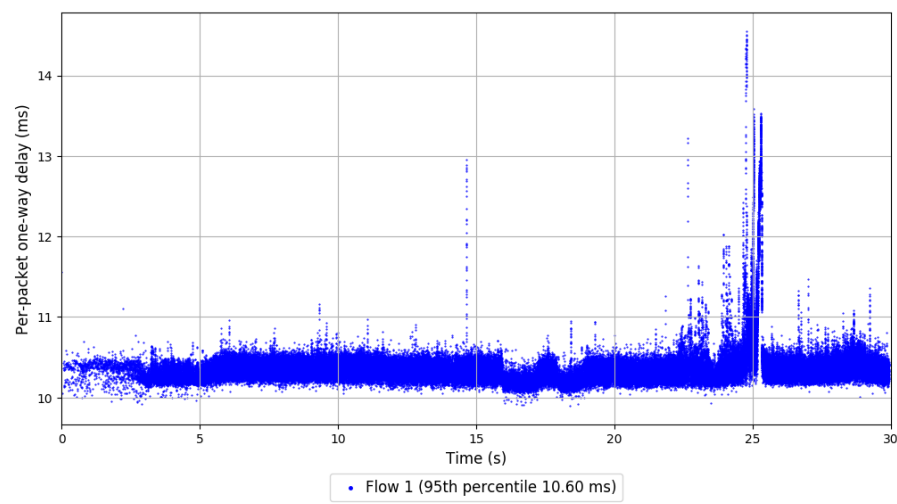
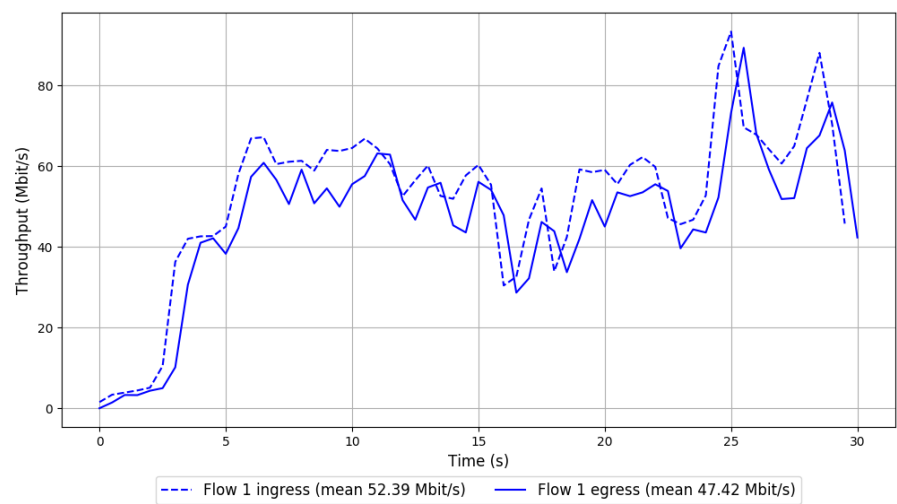


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 02:55:04
End at: 2018-08-09 02:55:34
Local clock offset: -4.406 ms
Remote clock offset: -7.002 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 10.602 ms
Loss rate: 9.49%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 10.602 ms
Loss rate: 9.49%

Run 7: Report of PCC-Vivace — Data Link

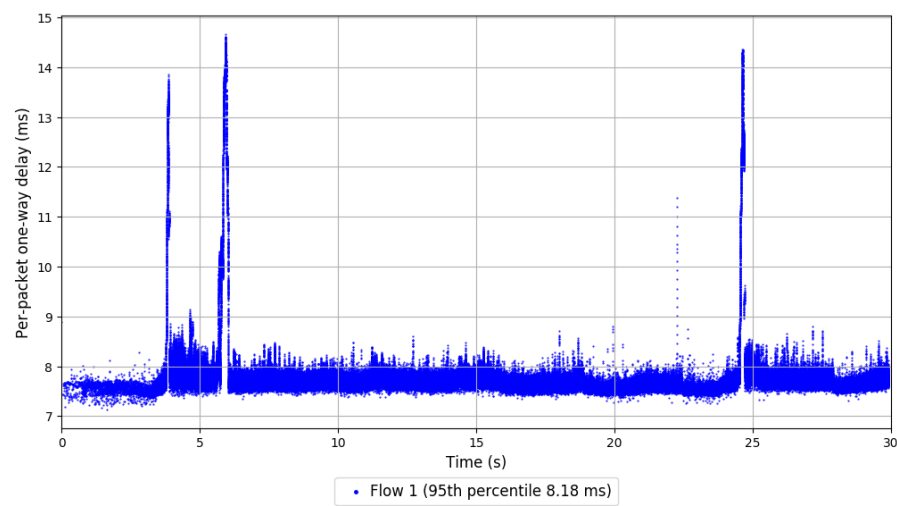
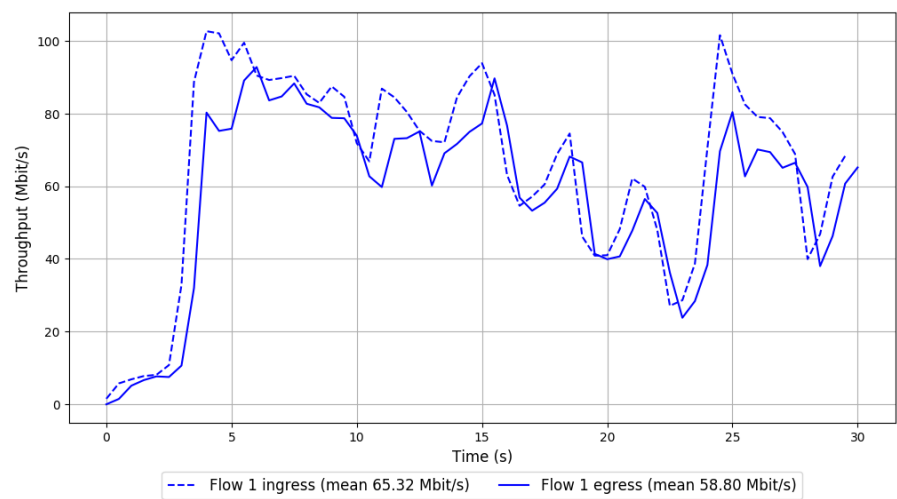


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 03:14:08
End at: 2018-08-09 03:14:38
Local clock offset: -1.417 ms
Remote clock offset: -11.989 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 8.182 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 8.182 ms
Loss rate: 9.99%

Run 8: Report of PCC-Vivace — Data Link

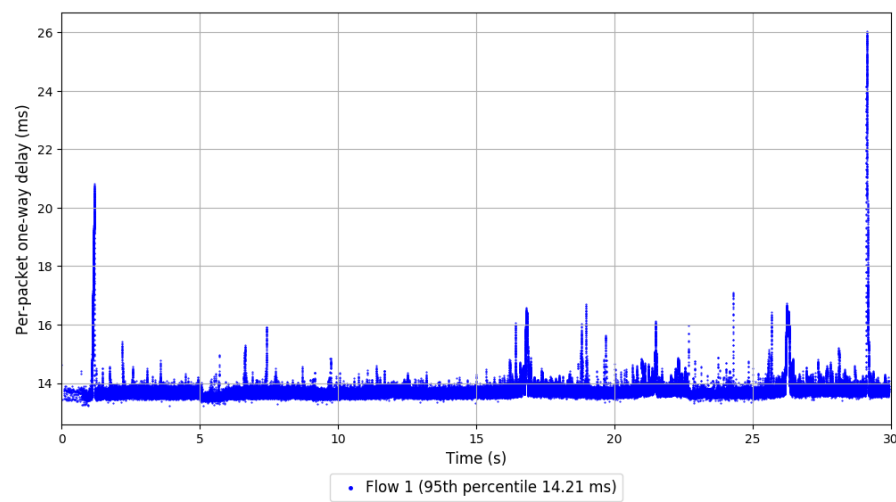
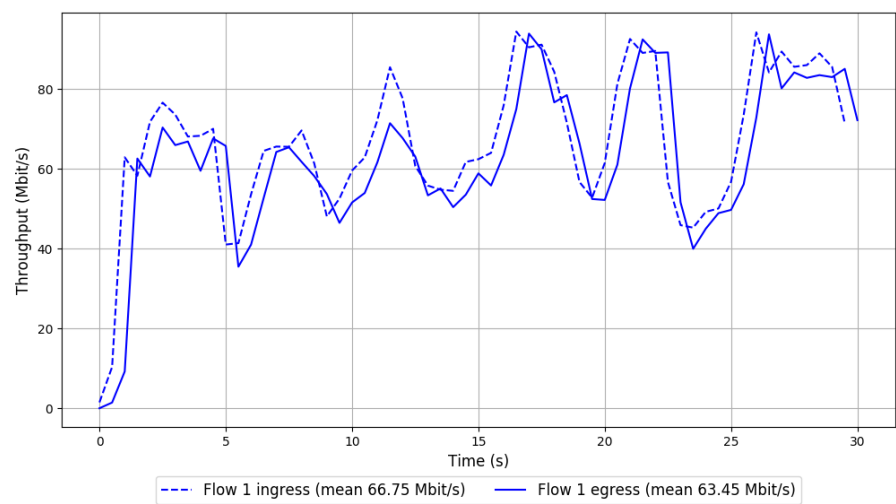


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 03:33:11
End at: 2018-08-09 03:33:41
Local clock offset: -1.163 ms
Remote clock offset: -14.527 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 14.206 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 14.206 ms
Loss rate: 4.97%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 03:52:20

End at: 2018-08-09 03:52:50

Local clock offset: 2.049 ms

Remote clock offset: -5.909 ms

Below is generated by plot.py at 2018-08-09 04:30:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.81 Mbit/s

95th percentile per-packet one-way delay: 10.534 ms

Loss rate: 6.30%

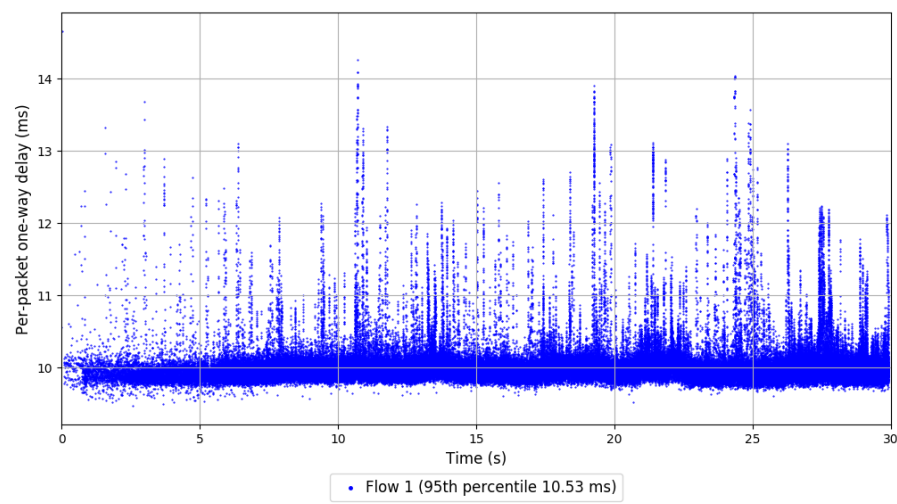
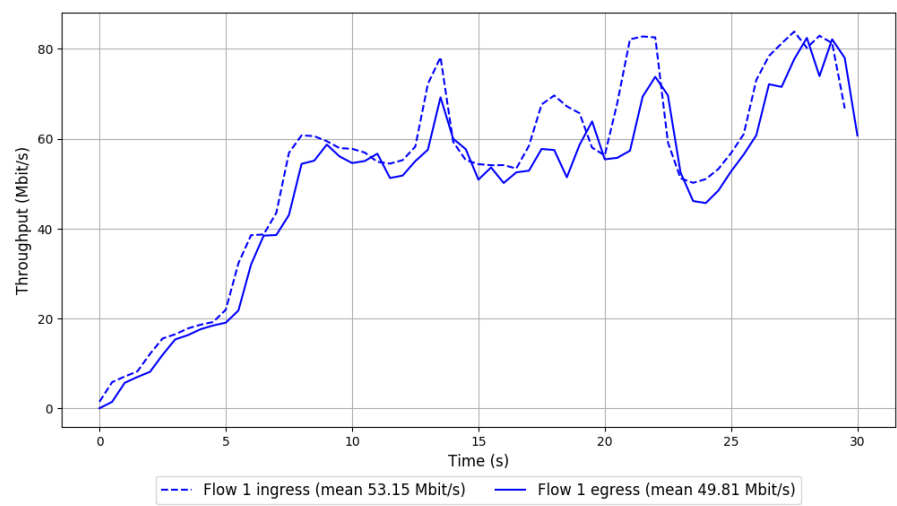
-- Flow 1:

Average throughput: 49.81 Mbit/s

95th percentile per-packet one-way delay: 10.534 ms

Loss rate: 6.30%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-09 01:04:54

End at: 2018-08-09 01:05:24

Local clock offset: -3.67 ms

Remote clock offset: -24.58 ms

Below is generated by plot.py at 2018-08-09 04:30:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 8.292 ms

Loss rate: 0.03%

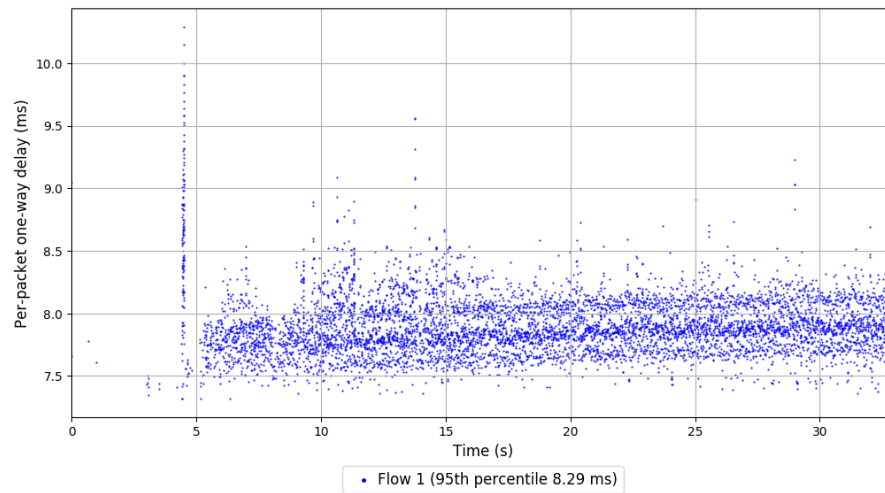
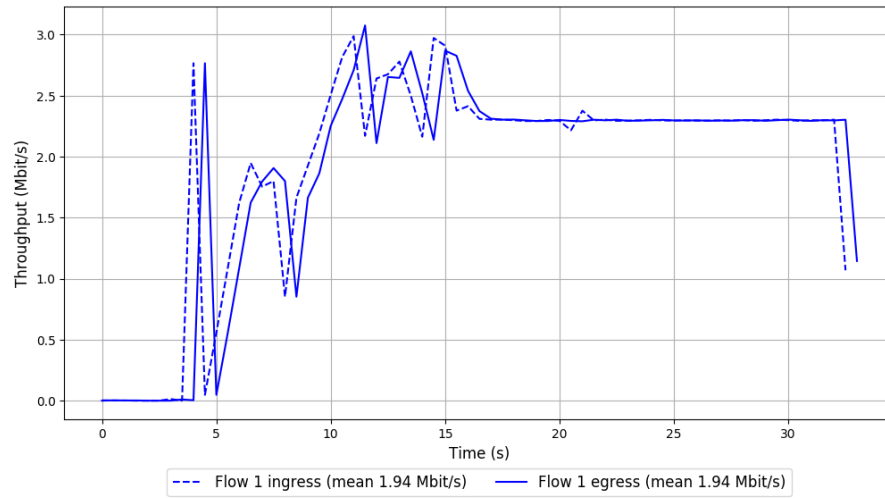
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 8.292 ms

Loss rate: 0.03%

Run 1: Report of WebRTC media — Data Link

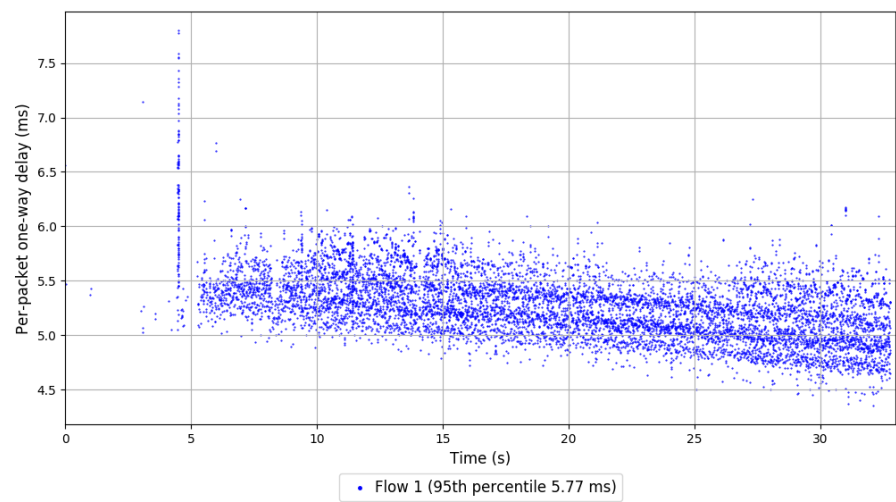
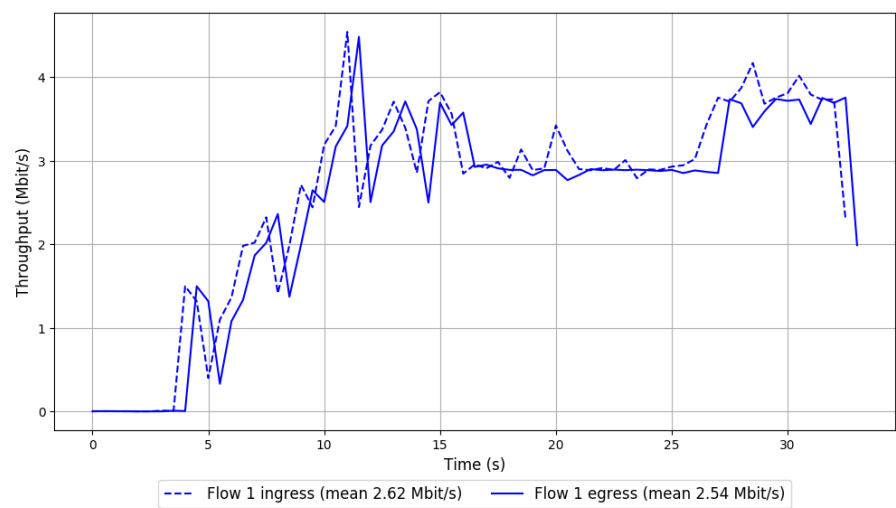


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 01:24:04
End at: 2018-08-09 01:24:34
Local clock offset: -0.984 ms
Remote clock offset: -17.135 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 5.767 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 5.767 ms
Loss rate: 3.07%

Run 2: Report of WebRTC media — Data Link

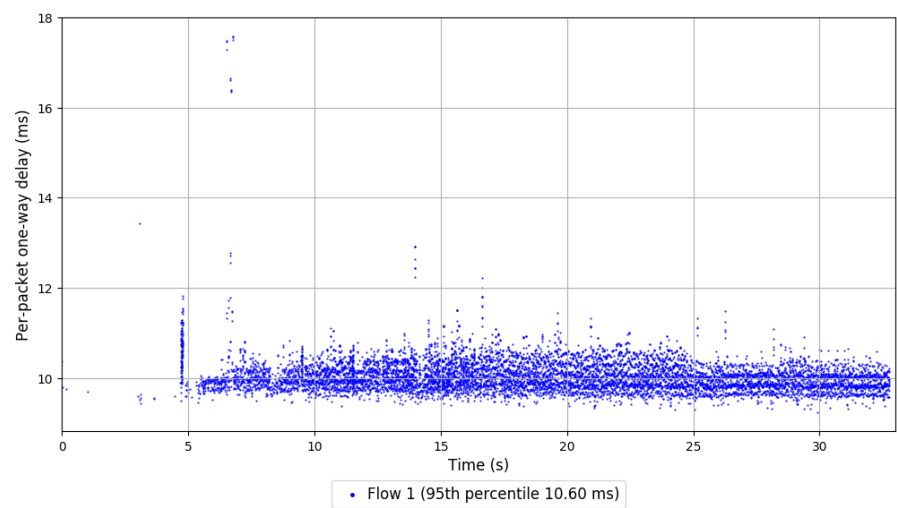
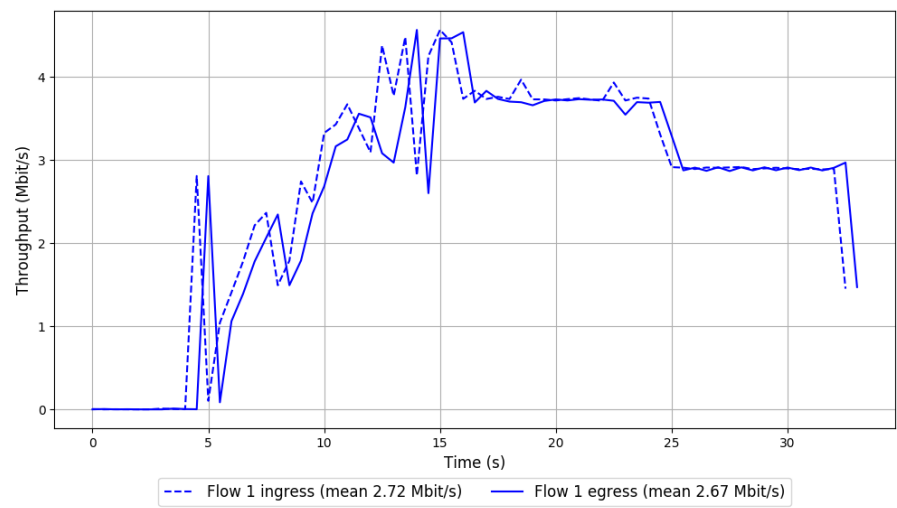


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 01:43:06
End at: 2018-08-09 01:43:36
Local clock offset: -2.363 ms
Remote clock offset: -3.683 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 10.595 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 10.595 ms
Loss rate: 1.80%

Run 3: Report of WebRTC media — Data Link

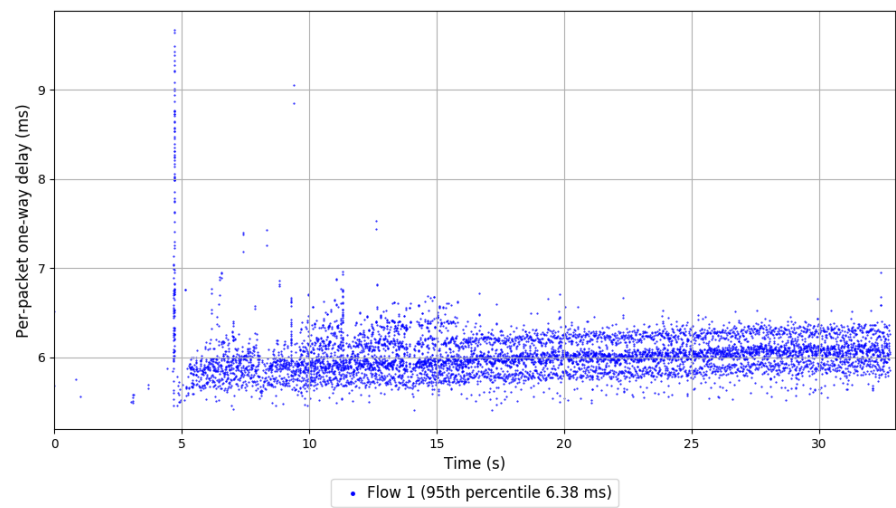
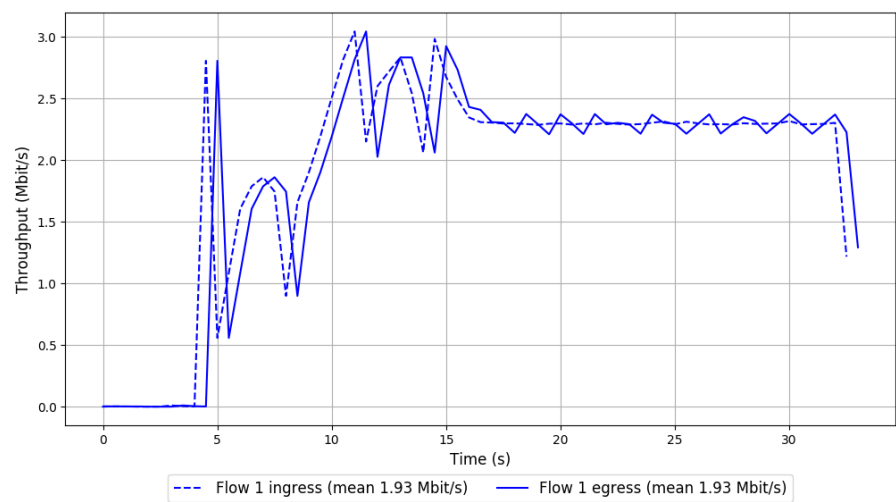


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 02:02:17
End at: 2018-08-09 02:02:47
Local clock offset: -3.058 ms
Remote clock offset: -12.158 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 6.383 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 6.383 ms
Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link

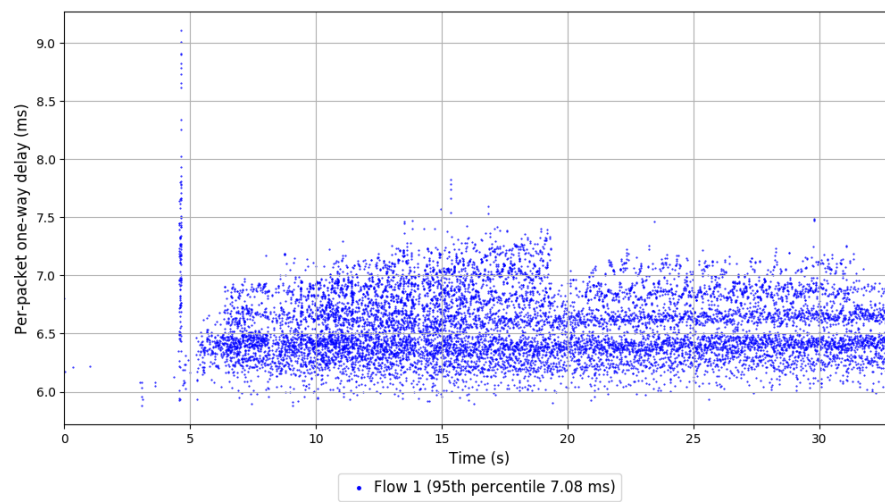
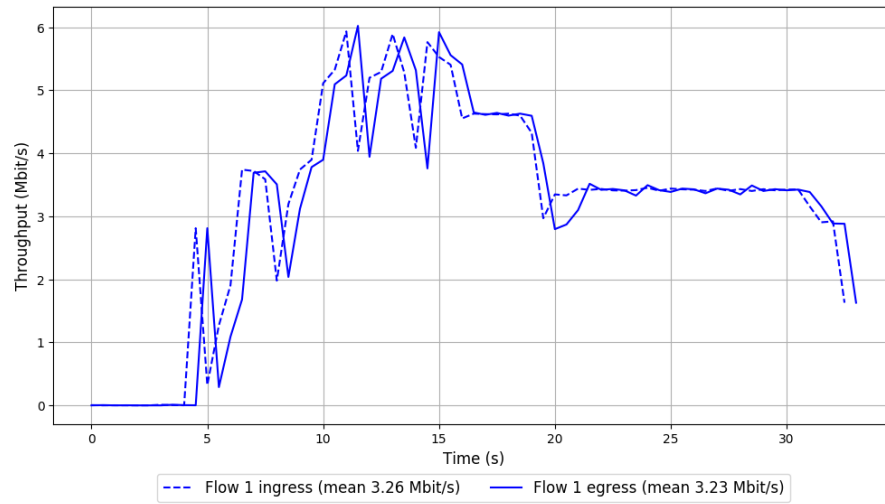


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 02:21:21
End at: 2018-08-09 02:21:51
Local clock offset: -0.666 ms
Remote clock offset: -9.347 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 7.081 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 7.081 ms
Loss rate: 1.04%

Run 5: Report of WebRTC media — Data Link

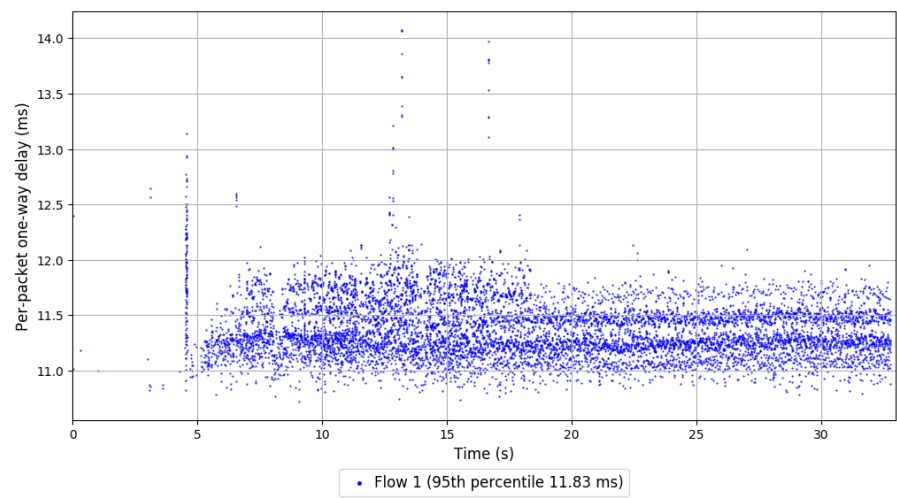
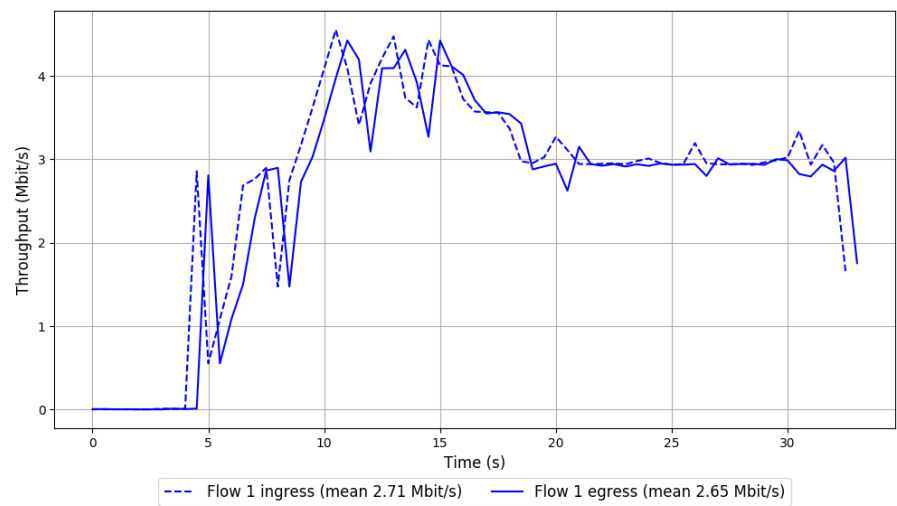


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 02:40:23
End at: 2018-08-09 02:40:53
Local clock offset: -3.367 ms
Remote clock offset: -6.042 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 11.826 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 11.826 ms
Loss rate: 2.14%

Run 6: Report of WebRTC media — Data Link

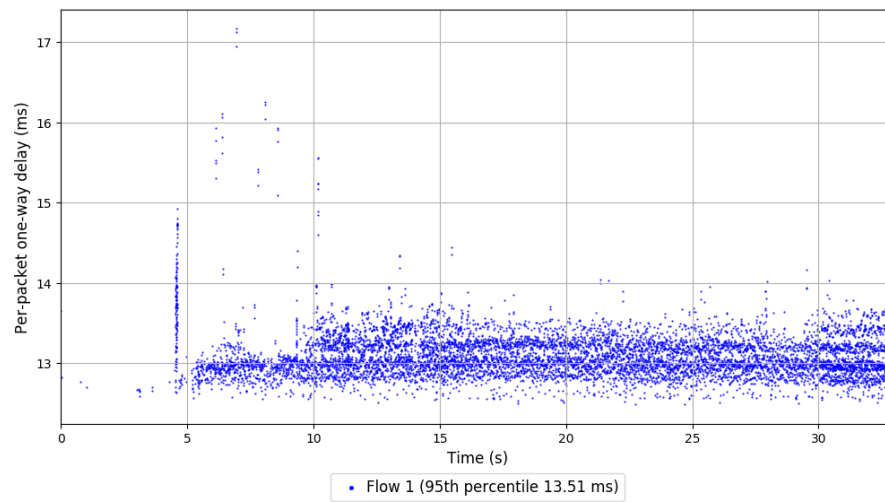
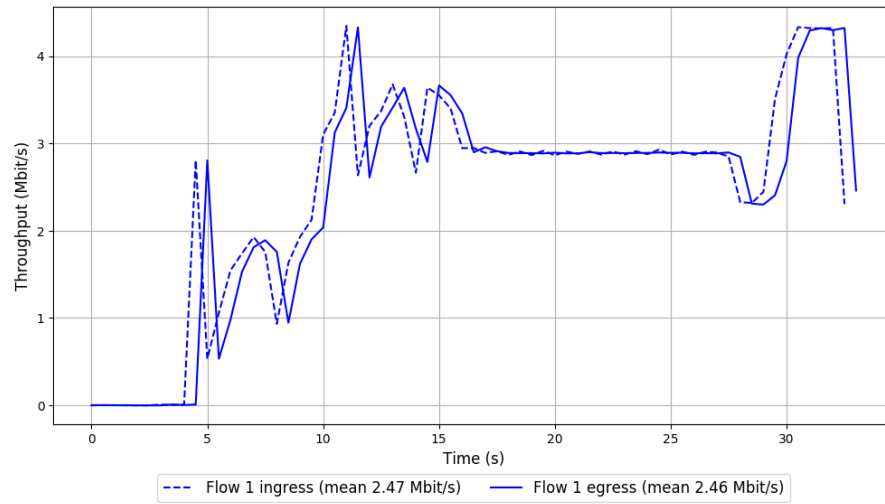


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 02:59:37
End at: 2018-08-09 03:00:07
Local clock offset: -3.65 ms
Remote clock offset: -5.812 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 13.513 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 13.513 ms
Loss rate: 0.60%

Run 7: Report of WebRTC media — Data Link

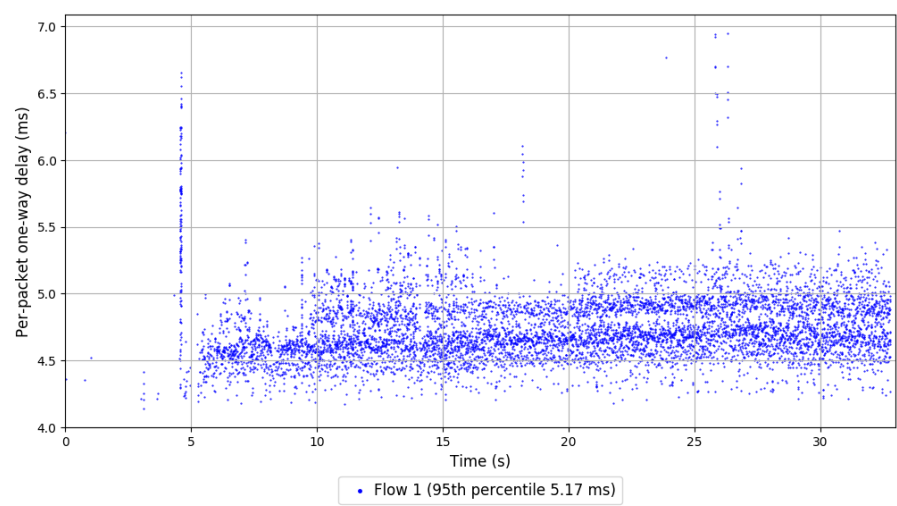
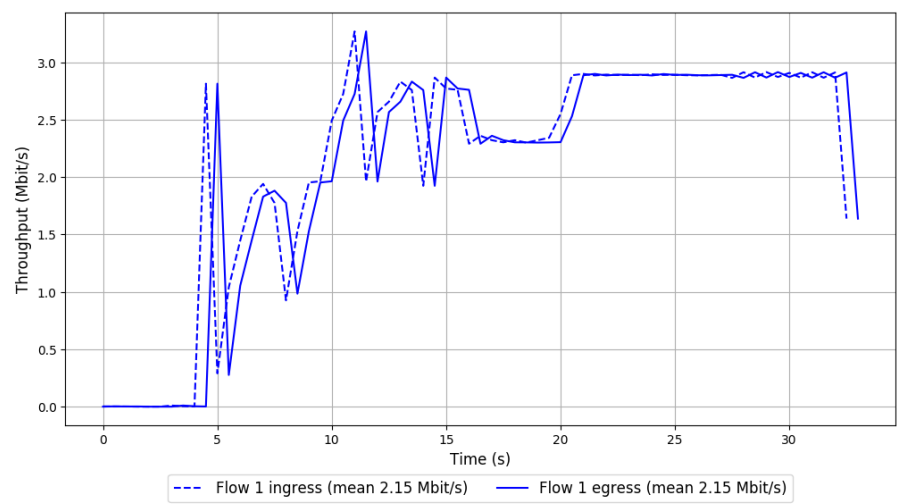


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 03:18:43
End at: 2018-08-09 03:19:13
Local clock offset: 1.527 ms
Remote clock offset: -13.248 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 5.167 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 5.167 ms
Loss rate: 0.07%

Run 8: Report of WebRTC media — Data Link

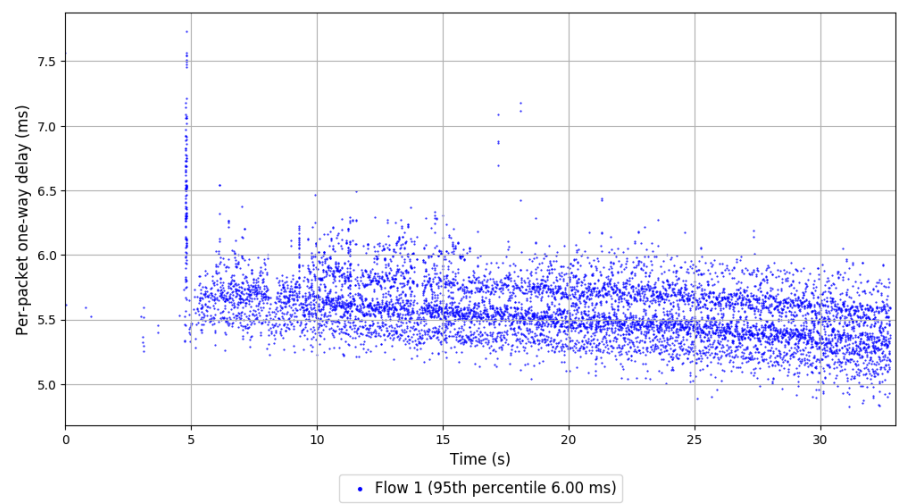
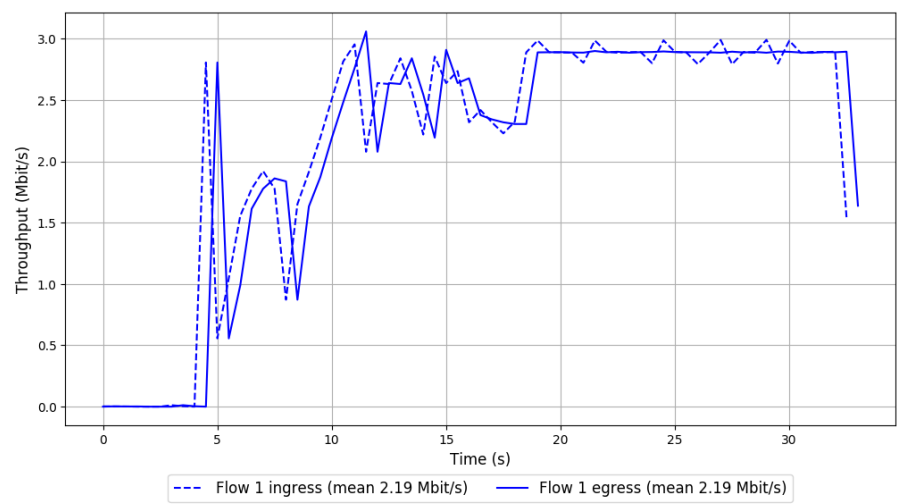


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 03:37:42
End at: 2018-08-09 03:38:12
Local clock offset: -0.906 ms
Remote clock offset: -13.251 ms

Below is generated by plot.py at 2018-08-09 04:30:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 6.000 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 6.000 ms
Loss rate: 0.04%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 03:56:55

End at: 2018-08-09 03:57:25

Local clock offset: -0.185 ms

Remote clock offset: -4.596 ms

Below is generated by plot.py at 2018-08-09 04:30:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 6.368 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 6.368 ms

Loss rate: 0.43%

Run 10: Report of WebRTC media — Data Link

