

Pantheon Report

Generated at 2018-06-30 11:41:50 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

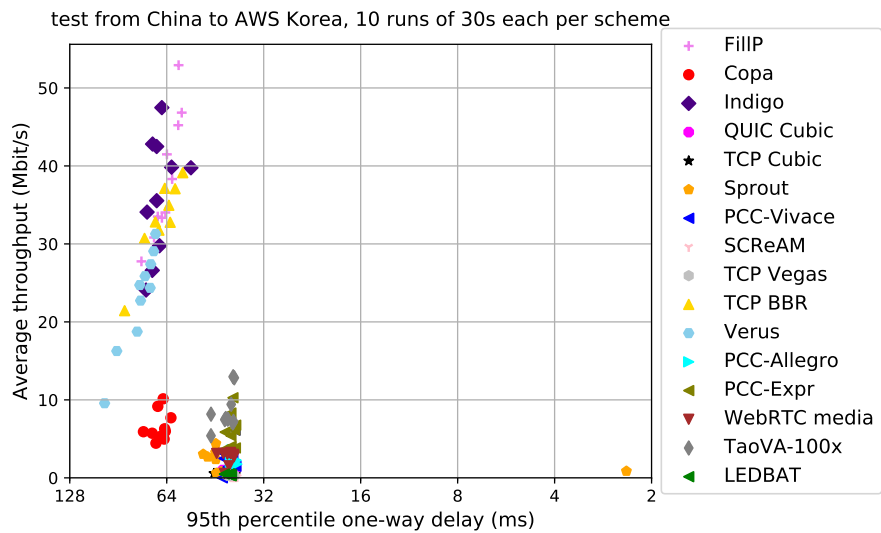
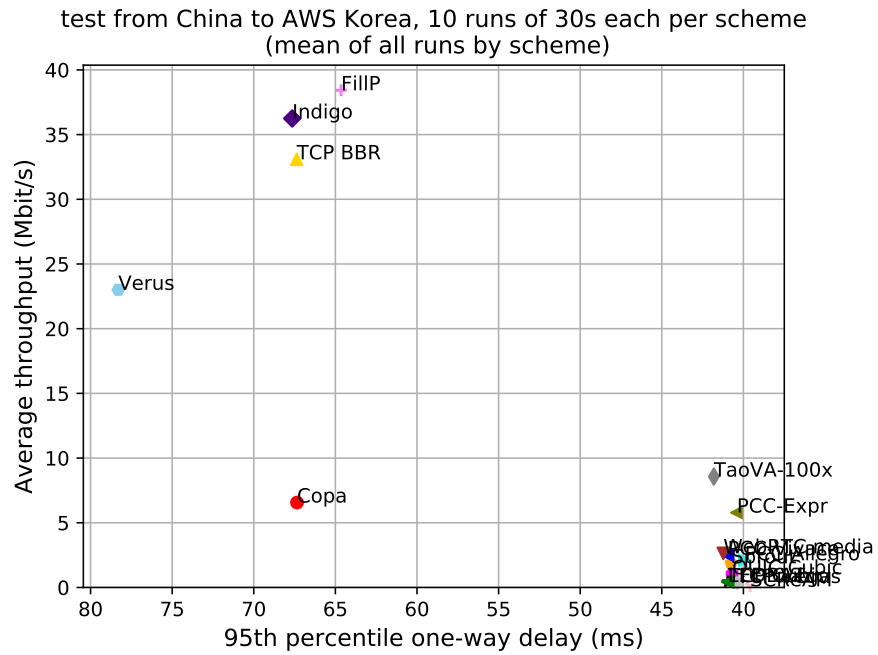
Each test lasted for 30 seconds running 1 flow.

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

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	9	33.09	67.37	11.94
Copa	10	6.56	67.35	21.13
TCP Cubic	10	0.40	40.94	8.15
FillP	10	38.43	64.65	20.97
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	36.25	67.64	19.32
LEDBAT	10	0.42	40.96	8.57
PCC-Allegro	9	2.10	39.92	8.24
PCC-Expr	10	5.78	40.40	7.79
QUIC Cubic	10	1.02	40.69	7.99
SCReAM	10	0.09	39.59	3.53
Sprout	10	1.87	40.75	8.36
TaoVA-100x	10	8.57	41.81	8.22
TCP Vegas	10	0.35	40.40	8.70
Verus	10	23.00	78.30	28.97
PCC-Vivace	10	2.50	40.97	8.01
WebRTC media	10	2.64	41.23	6.72

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 06:57:33

End at: 2018-06-30 06:58:03

Local clock offset: -2.156 ms

Remote clock offset: -9.283 ms

Below is generated by plot.py at 2018-06-30 11:37:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 86.480 ms

Loss rate: 12.32%

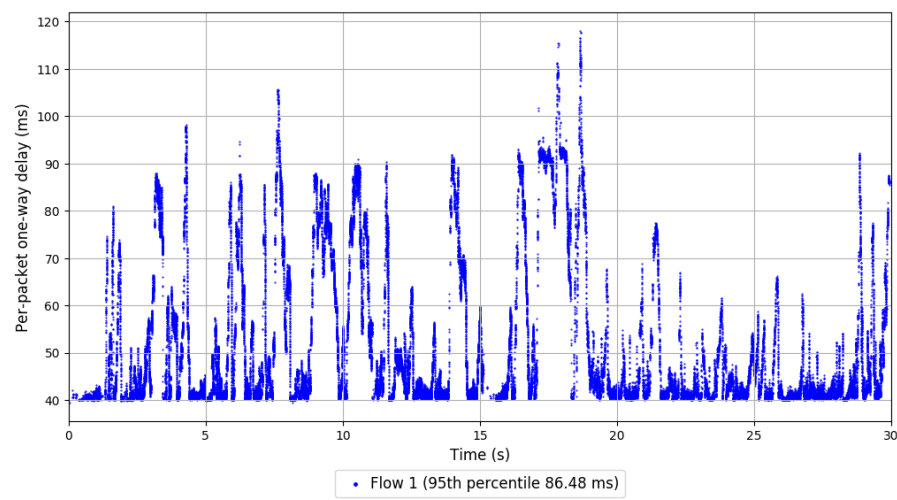
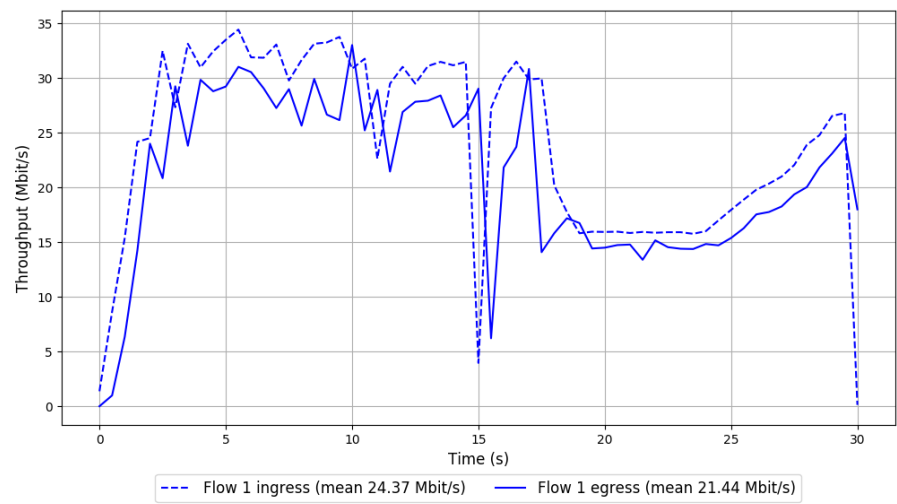
-- Flow 1:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 86.480 ms

Loss rate: 12.32%

Run 1: Report of TCP BBR — Data Link

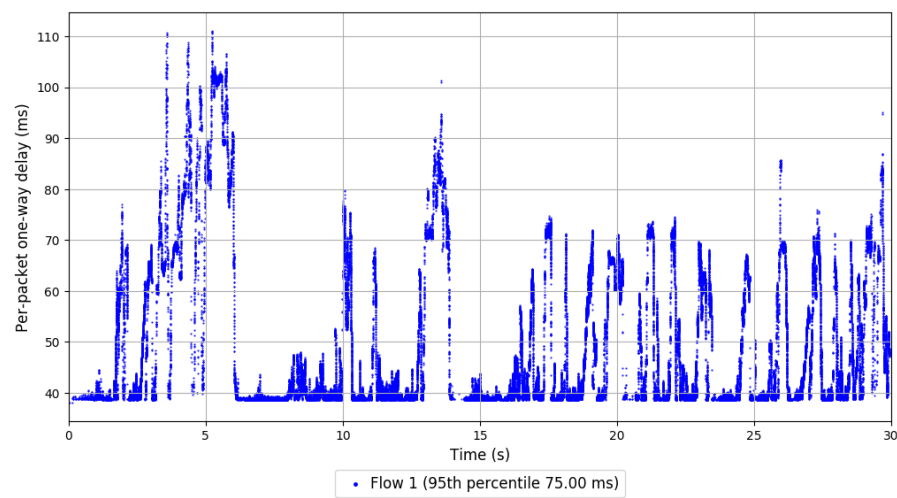
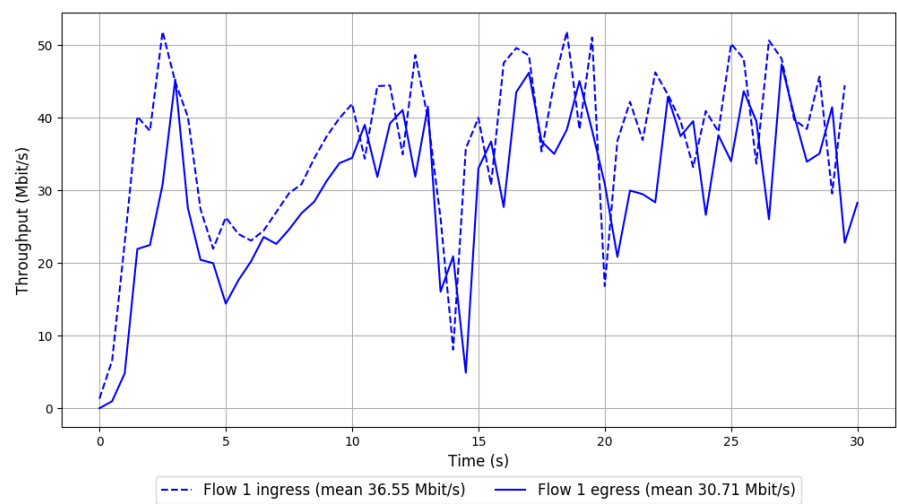


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 07:30:56
End at: 2018-06-30 07:31:26
Local clock offset: -2.807 ms
Remote clock offset: -10.047 ms

Below is generated by plot.py at 2018-06-30 11:37:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 75.003 ms
Loss rate: 16.26%
-- Flow 1:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 75.003 ms
Loss rate: 16.26%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 08:00:04

End at: 2018-06-30 08:00:34

Local clock offset: 3.809 ms

Remote clock offset: -9.552 ms

Below is generated by plot.py at 2018-06-30 11:37:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 67.670 ms

Loss rate: 12.00%

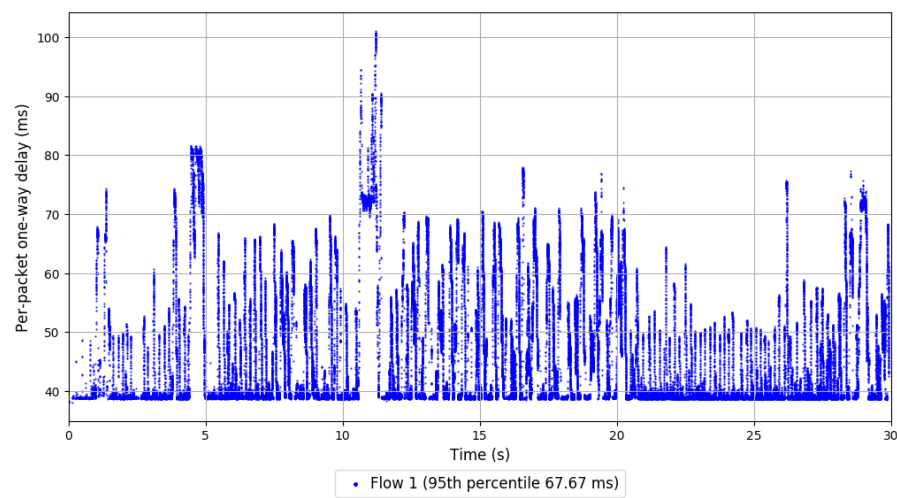
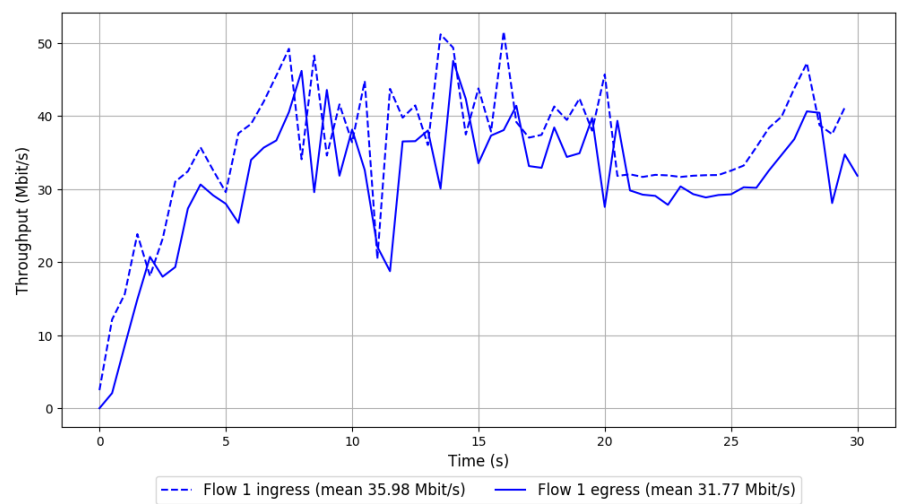
-- Flow 1:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 67.670 ms

Loss rate: 12.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

/home/ubuntu/pantheon/data/2018-06-30T06-31-China-to-AWS-Korea-10-runs/bbr_stats_run4.log d

Run 4: Report of TCP BBR — Data Link

Figure is missing

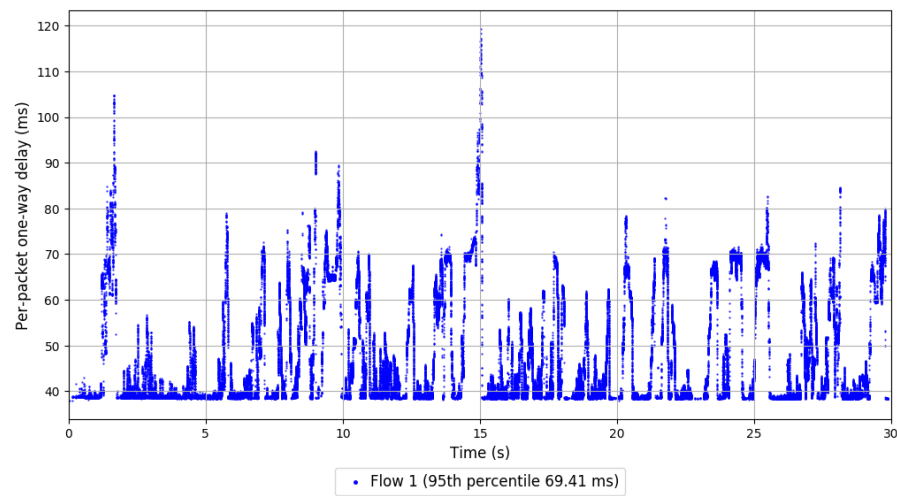
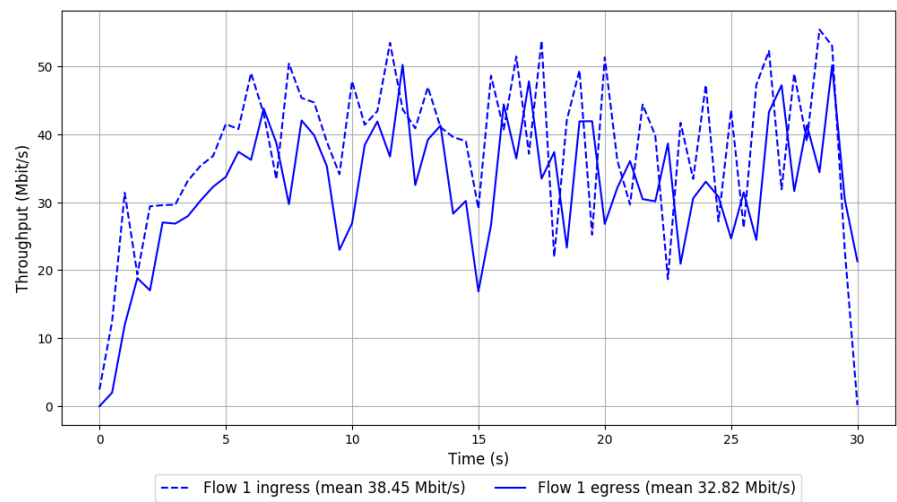
Figure is missing

Run 5: Statistics of TCP BBR

Start at: 2018-06-30 08:57:48
End at: 2018-06-30 08:58:18
Local clock offset: 0.13 ms
Remote clock offset: -10.109 ms

Below is generated by plot.py at 2018-06-30 11:37:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 69.413 ms
Loss rate: 15.07%
-- Flow 1:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 69.413 ms
Loss rate: 15.07%

Run 5: Report of TCP BBR — Data Link

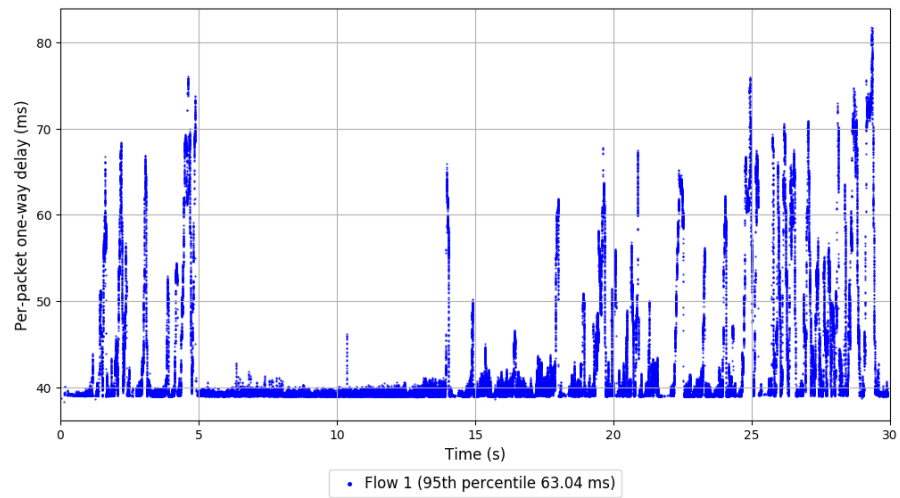
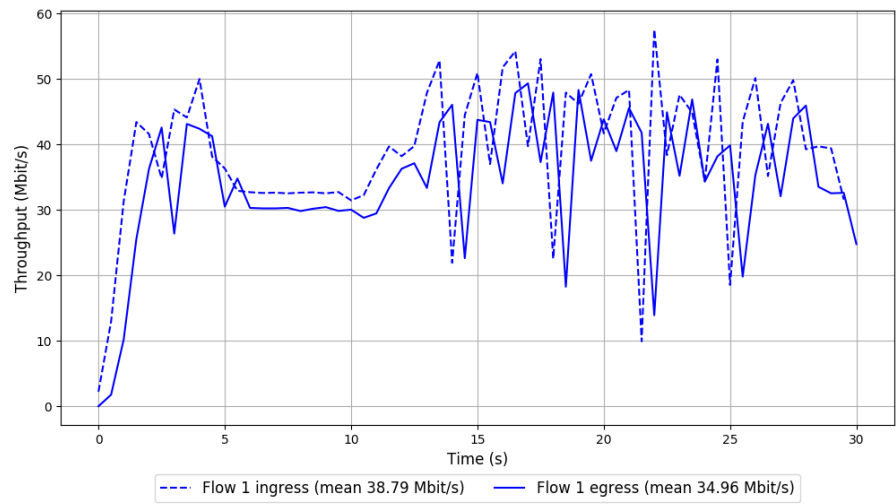


Run 6: Statistics of TCP BBR

Start at: 2018-06-30 09:27:19
End at: 2018-06-30 09:27:49
Local clock offset: 3.423 ms
Remote clock offset: -9.963 ms

Below is generated by plot.py at 2018-06-30 11:37:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 63.042 ms
Loss rate: 10.21%
-- Flow 1:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 63.042 ms
Loss rate: 10.21%

Run 6: Report of TCP BBR — Data Link

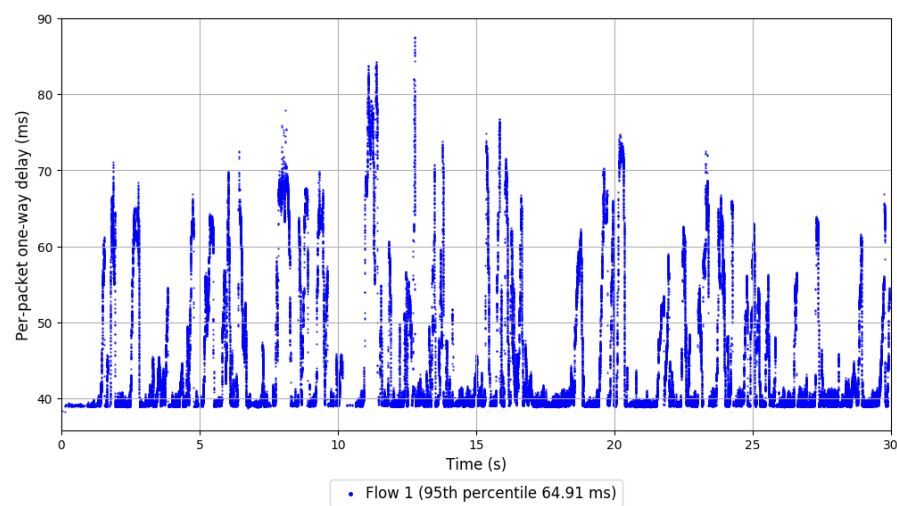
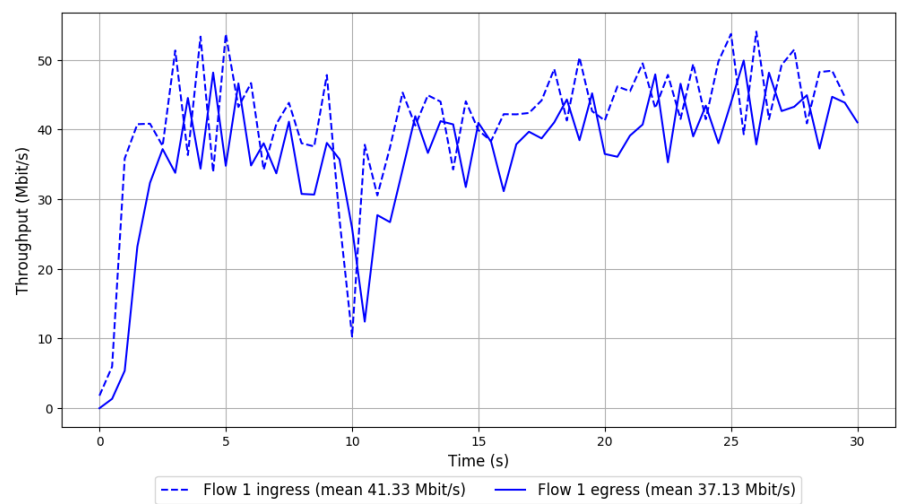


Run 7: Statistics of TCP BBR

Start at: 2018-06-30 09:57:37
End at: 2018-06-30 09:58:07
Local clock offset: 2.058 ms
Remote clock offset: -11.759 ms

Below is generated by plot.py at 2018-06-30 11:37:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 64.913 ms
Loss rate: 10.47%
-- Flow 1:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 64.913 ms
Loss rate: 10.47%

Run 7: Report of TCP BBR — Data Link

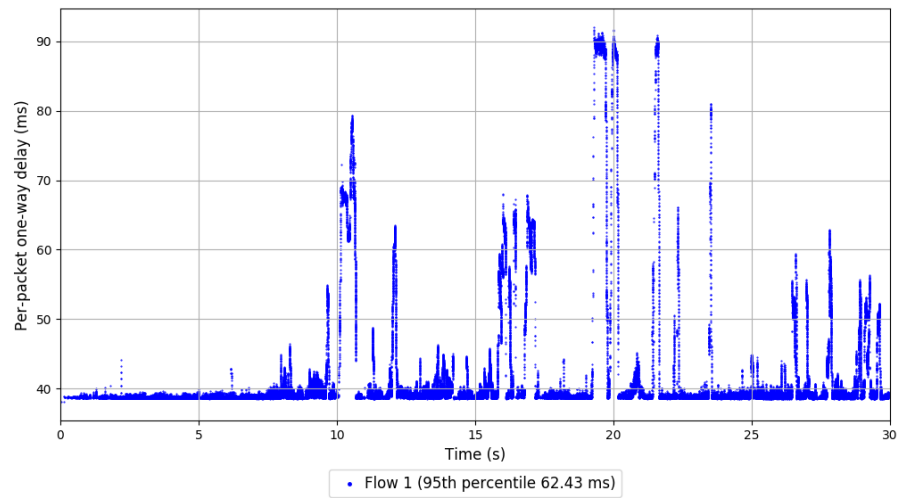
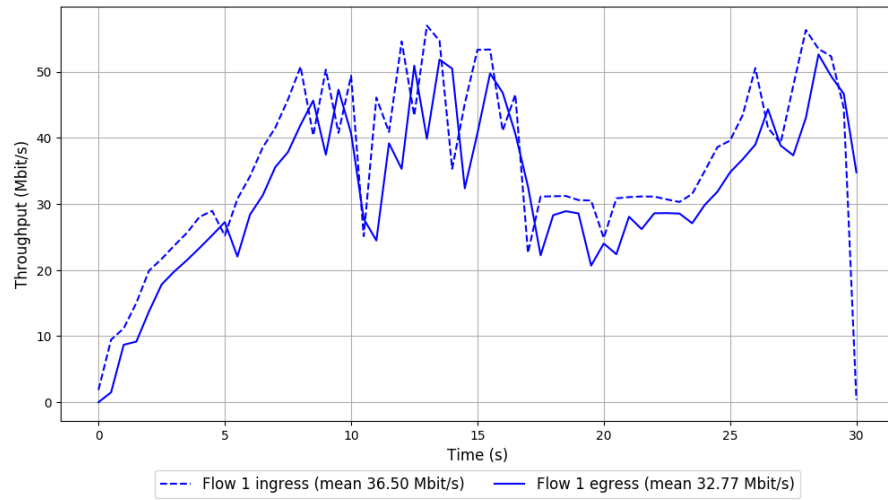


Run 8: Statistics of TCP BBR

Start at: 2018-06-30 10:28:28
End at: 2018-06-30 10:28:58
Local clock offset: 7.17 ms
Remote clock offset: -8.956 ms

Below is generated by plot.py at 2018-06-30 11:37:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 62.433 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 62.433 ms
Loss rate: 10.53%

Run 8: Report of TCP BBR — Data Link

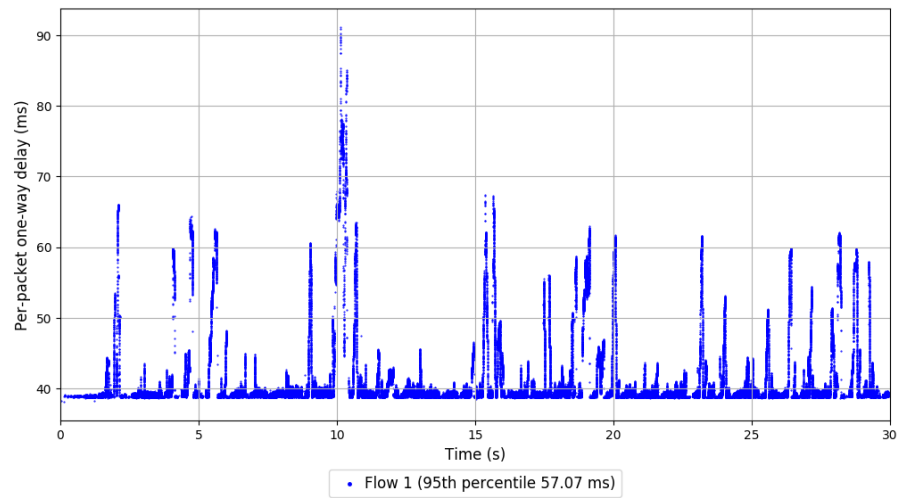
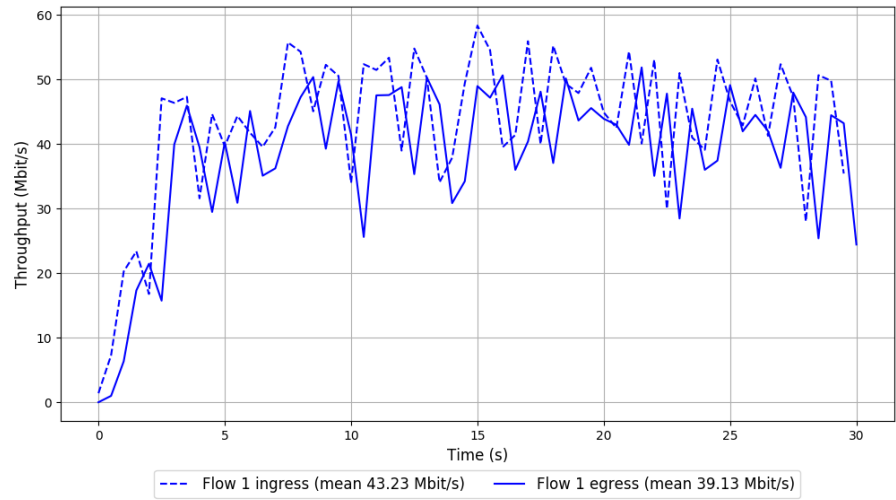


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 11:00:15
End at: 2018-06-30 11:00:45
Local clock offset: 7.21 ms
Remote clock offset: -9.995 ms

Below is generated by plot.py at 2018-06-30 11:38:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 57.068 ms
Loss rate: 9.79%
-- Flow 1:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 57.068 ms
Loss rate: 9.79%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 11:33:04

End at: 2018-06-30 11:33:35

Local clock offset: 1.323 ms

Remote clock offset: -8.52 ms

Below is generated by plot.py at 2018-06-30 11:38:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 60.284 ms

Loss rate: 10.81%

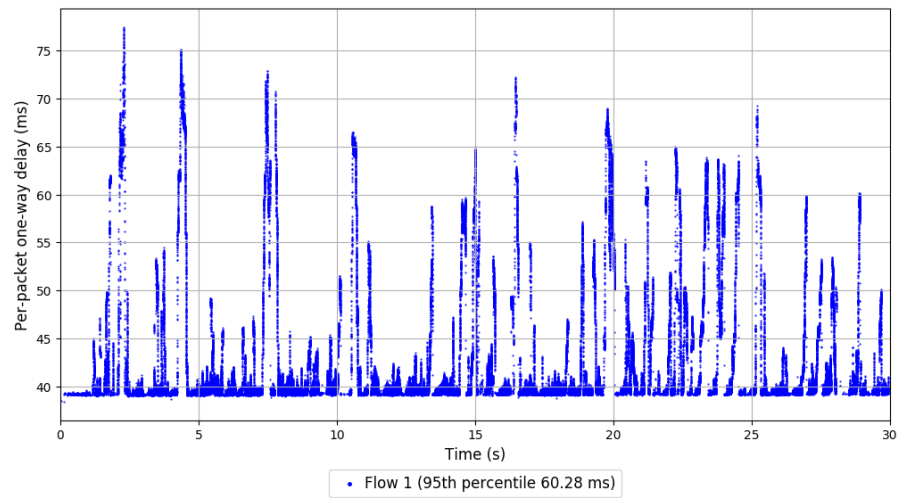
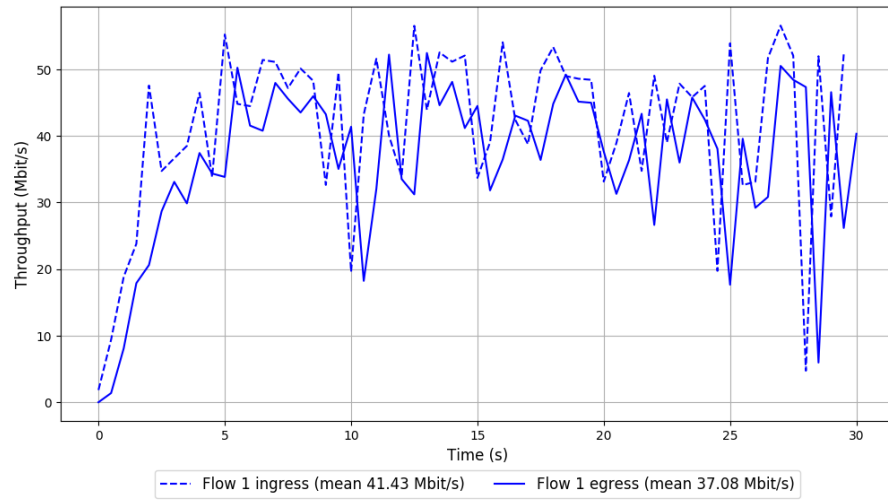
-- Flow 1:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 60.284 ms

Loss rate: 10.81%

Run 10: Report of TCP BBR — Data Link

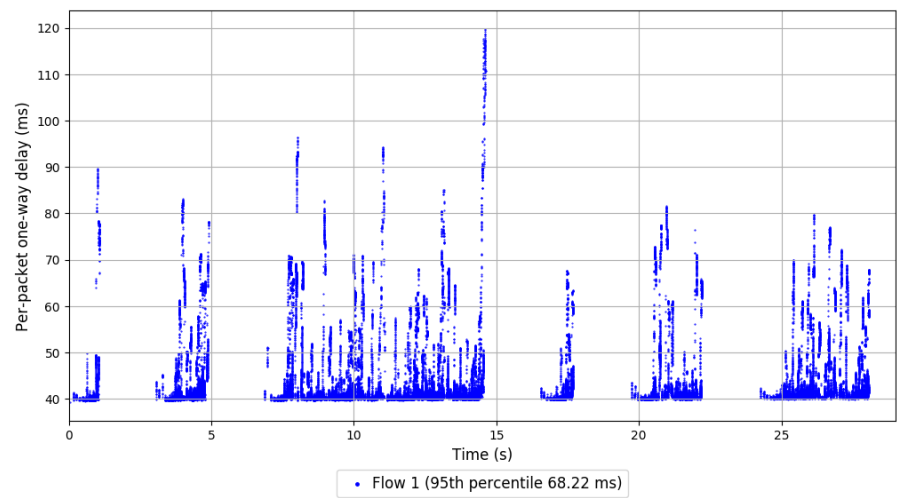
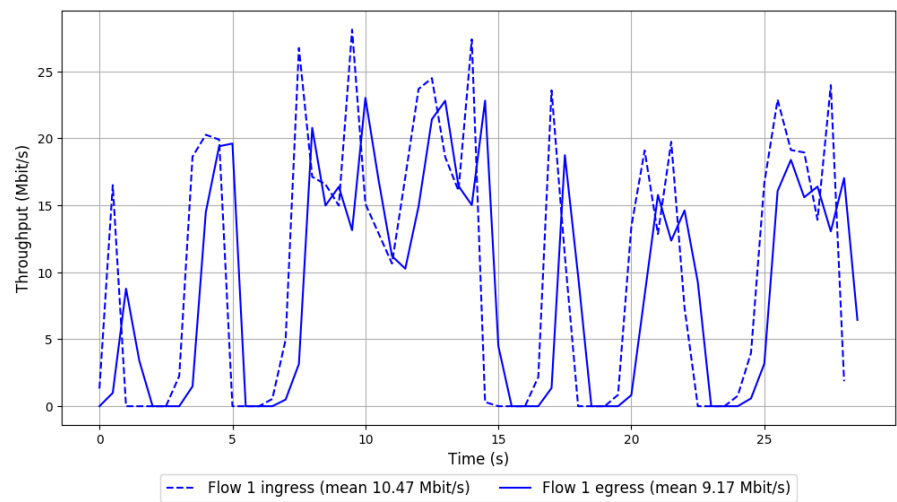


Run 1: Statistics of Copa

Start at: 2018-06-30 06:45:07
End at: 2018-06-30 06:45:37
Local clock offset: 3.555 ms
Remote clock offset: -9.353 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 68.219 ms
Loss rate: 12.39%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 68.219 ms
Loss rate: 12.39%

Run 1: Report of Copa — Data Link

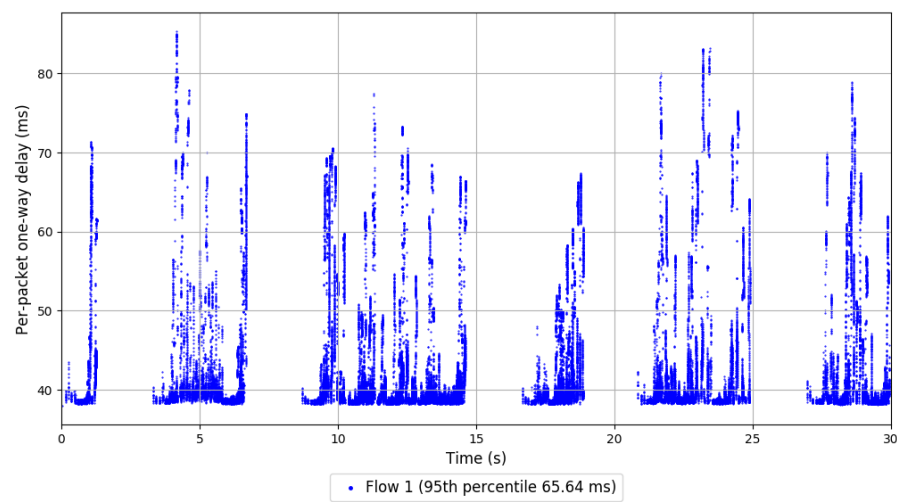
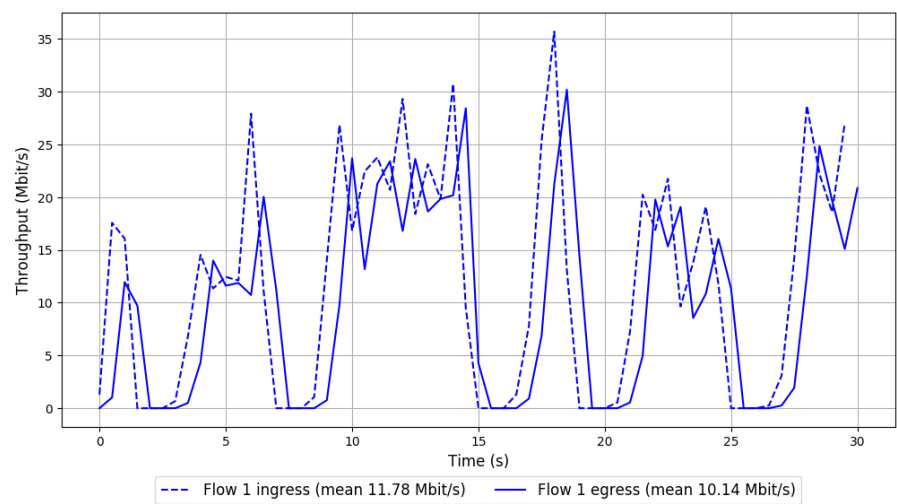


Run 2: Statistics of Copa

Start at: 2018-06-30 07:18:22
End at: 2018-06-30 07:18:52
Local clock offset: -4.233 ms
Remote clock offset: -9.263 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 65.644 ms
Loss rate: 14.26%
-- Flow 1:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 65.644 ms
Loss rate: 14.26%

Run 2: Report of Copa — Data Link

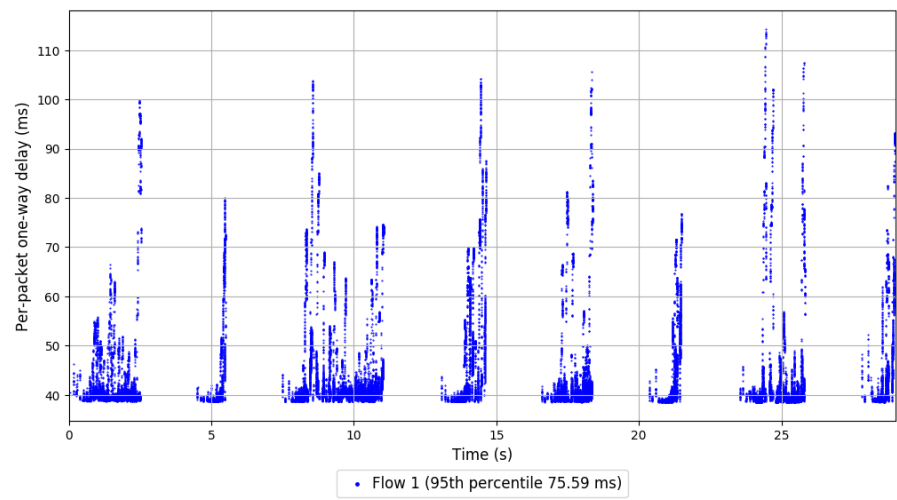
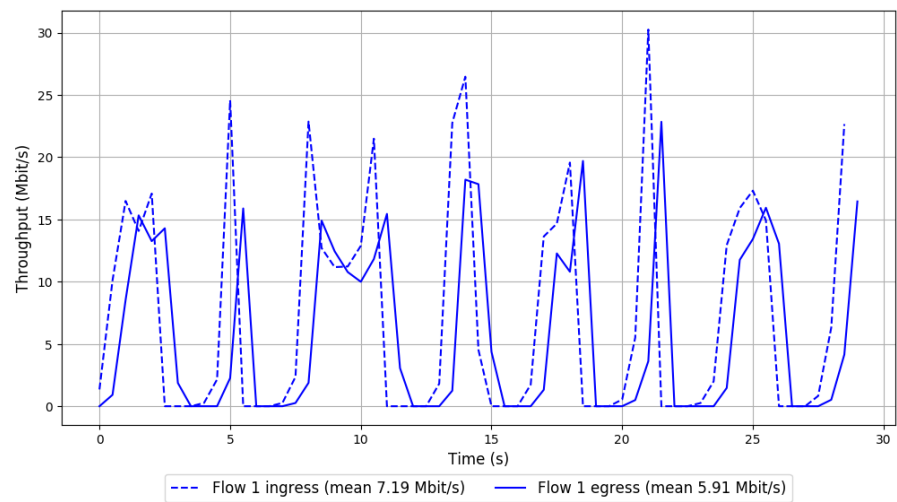


Run 3: Statistics of Copa

Start at: 2018-06-30 07:48:18
End at: 2018-06-30 07:48:48
Local clock offset: -0.778 ms
Remote clock offset: -9.927 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 75.588 ms
Loss rate: 17.64%
-- Flow 1:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 75.588 ms
Loss rate: 17.64%

Run 3: Report of Copa — Data Link

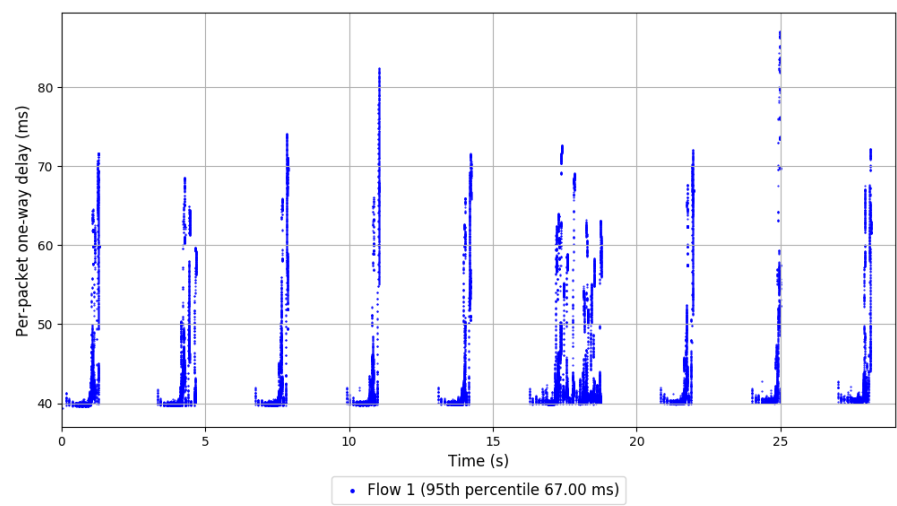
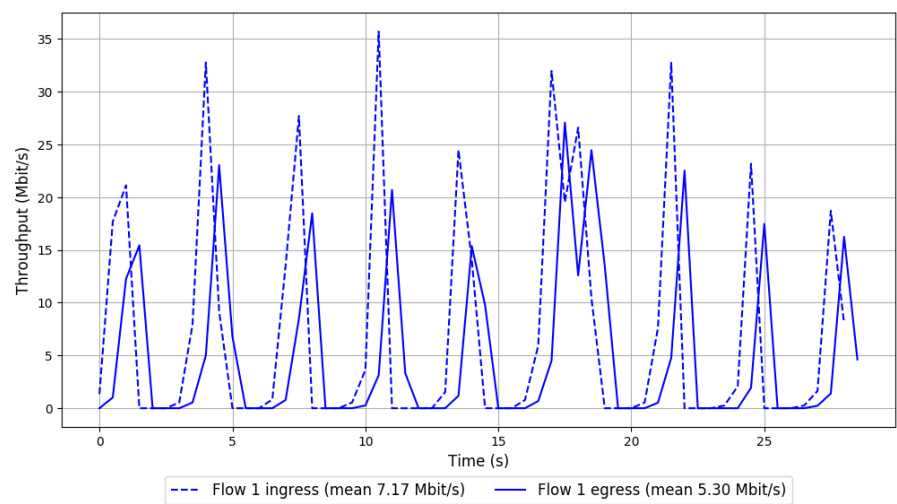


Run 4: Statistics of Copa

Start at: 2018-06-30 08:18:19
End at: 2018-06-30 08:18:49
Local clock offset: 3.064 ms
Remote clock offset: -7.908 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 67.003 ms
Loss rate: 26.03%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 67.003 ms
Loss rate: 26.03%

Run 4: Report of Copa — Data Link

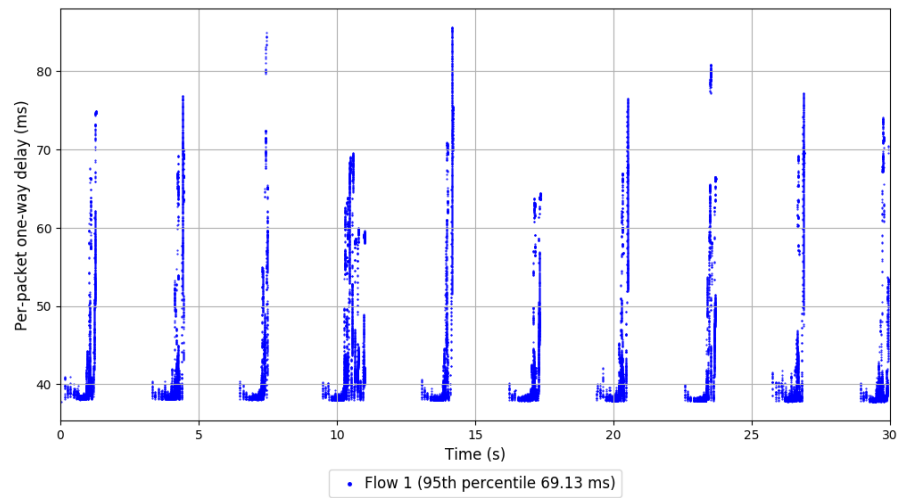
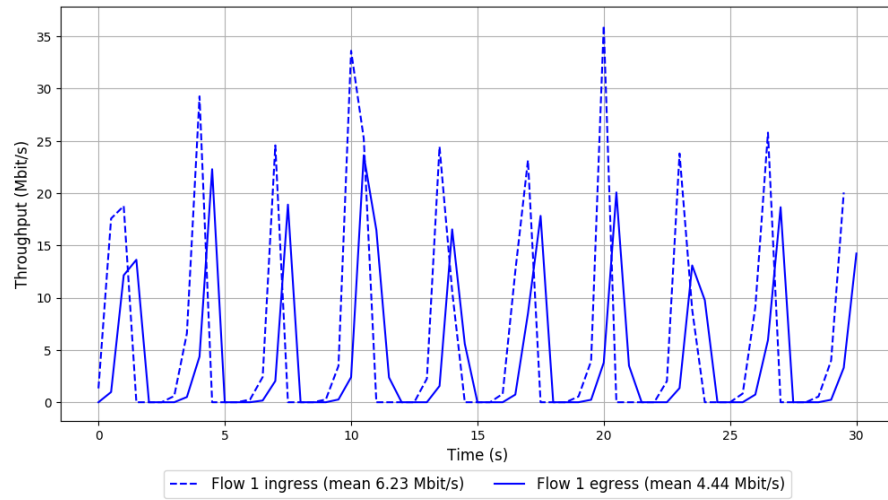


Run 5: Statistics of Copa

Start at: 2018-06-30 08:45:54
End at: 2018-06-30 08:46:24
Local clock offset: -4.673 ms
Remote clock offset: -10.031 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 69.132 ms
Loss rate: 28.82%
-- Flow 1:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 69.132 ms
Loss rate: 28.82%

Run 5: Report of Copa — Data Link

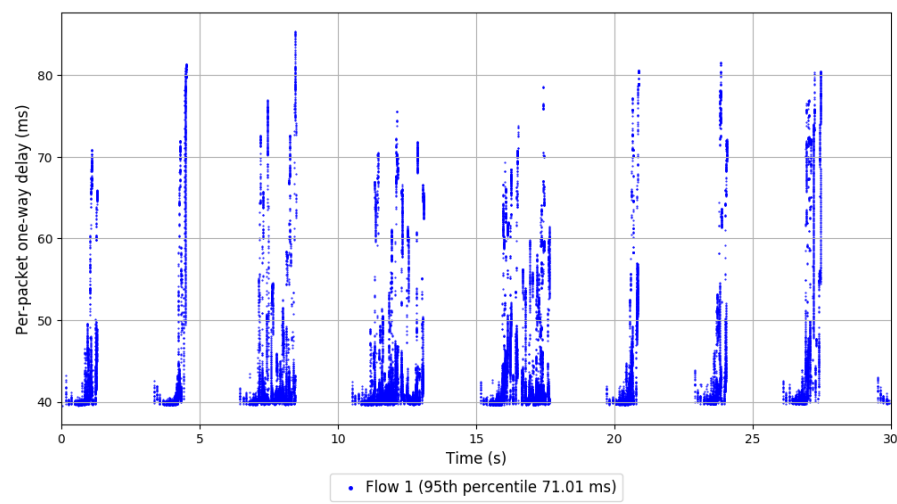
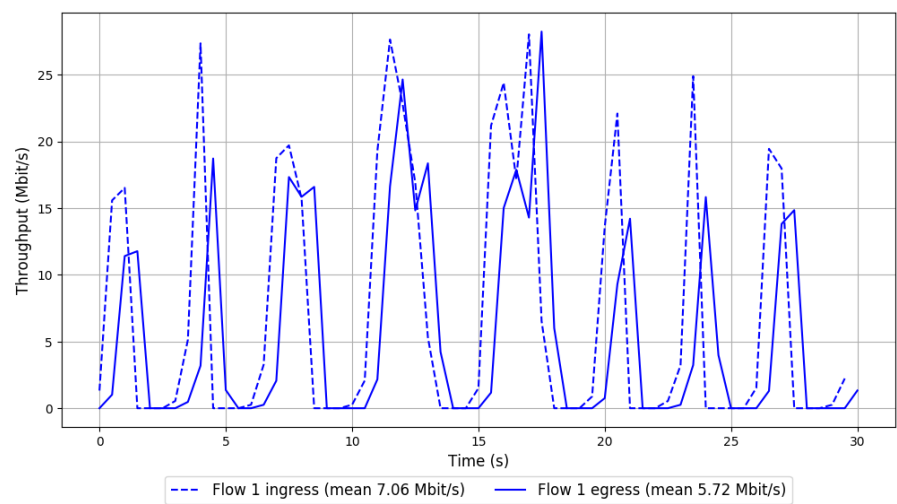


Run 6: Statistics of Copa

Start at: 2018-06-30 09:14:22
End at: 2018-06-30 09:14:52
Local clock offset: 1.55 ms
Remote clock offset: -10.073 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 71.006 ms
Loss rate: 19.25%
-- Flow 1:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 71.006 ms
Loss rate: 19.25%

Run 6: Report of Copa — Data Link

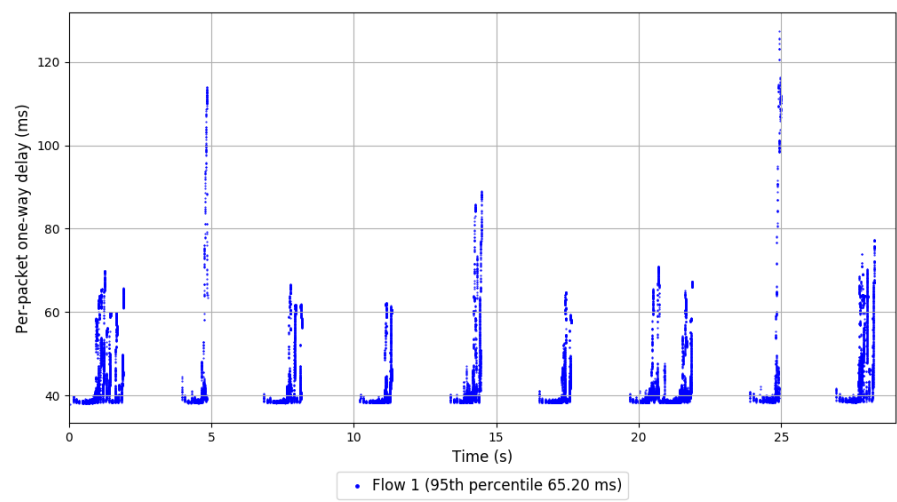
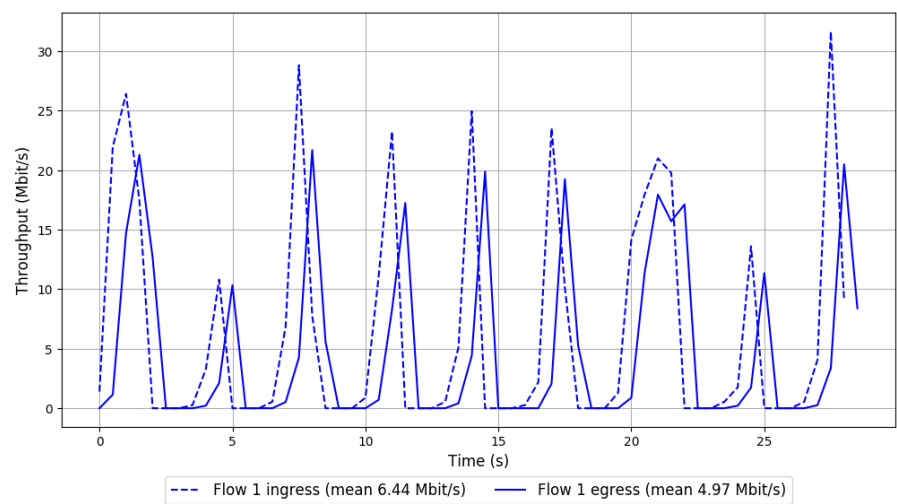


Run 7: Statistics of Copa

Start at: 2018-06-30 09:45:20
End at: 2018-06-30 09:45:50
Local clock offset: 4.645 ms
Remote clock offset: -10.586 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 65.202 ms
Loss rate: 22.62%
-- Flow 1:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 65.202 ms
Loss rate: 22.62%

Run 7: Report of Copa — Data Link

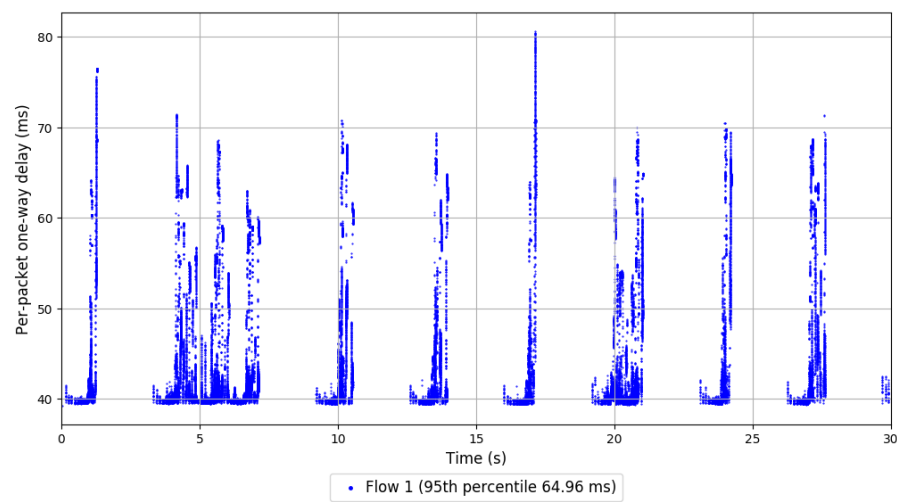
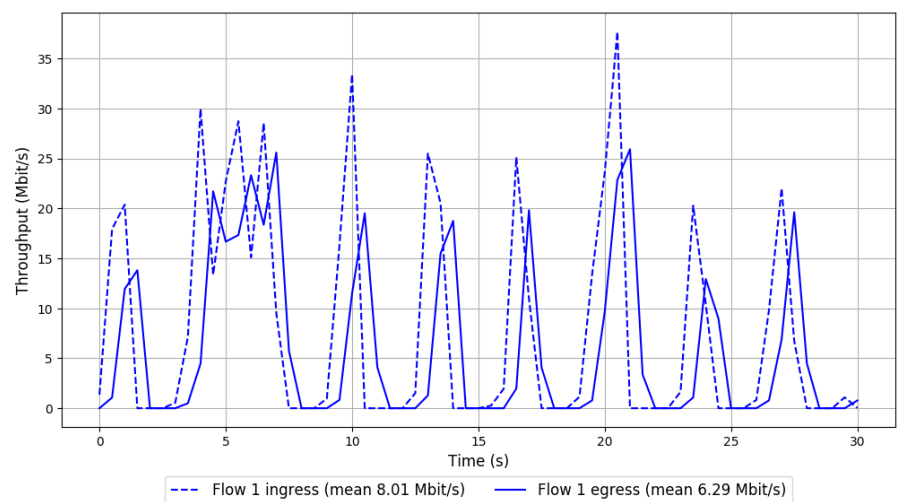


Run 8: Statistics of Copa

Start at: 2018-06-30 10:16:21
End at: 2018-06-30 10:16:51
Local clock offset: 2.264 ms
Remote clock offset: -10.683 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 64.957 ms
Loss rate: 21.77%
-- Flow 1:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 64.957 ms
Loss rate: 21.77%

Run 8: Report of Copa — Data Link

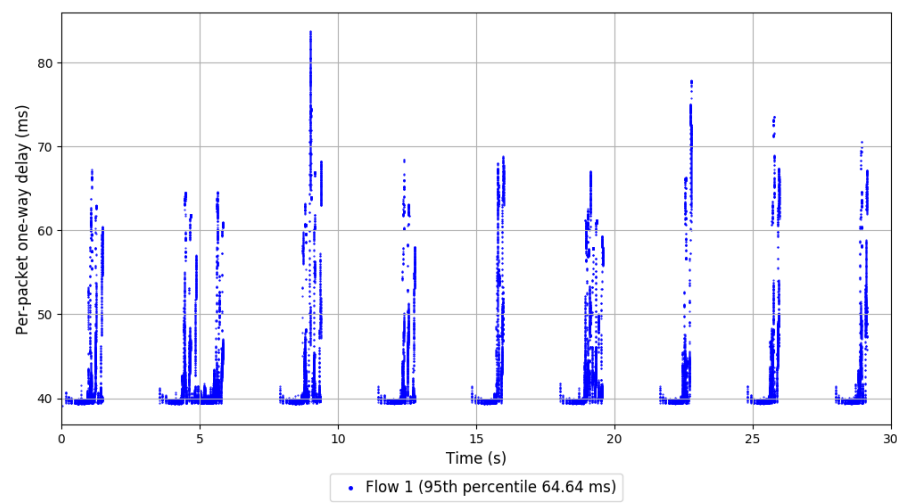
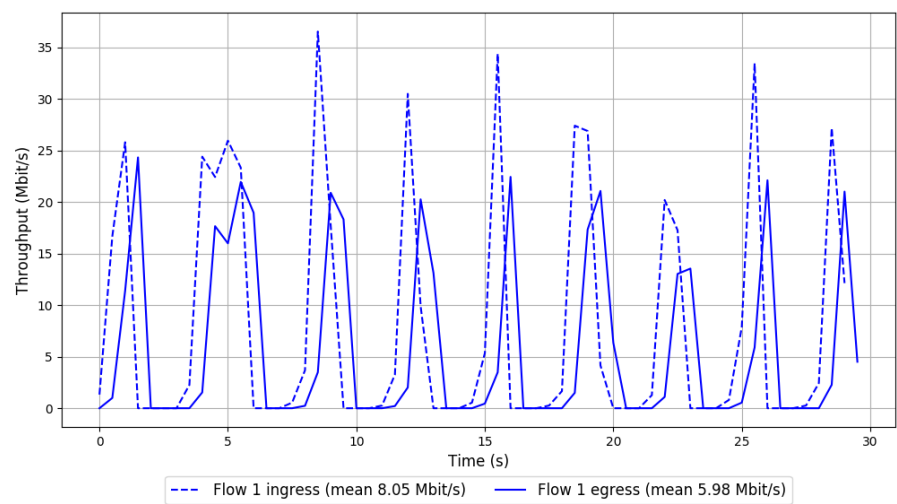


Run 9: Statistics of Copa

Start at: 2018-06-30 10:47:01
End at: 2018-06-30 10:47:31
Local clock offset: 9.046 ms
Remote clock offset: -8.308 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 64.636 ms
Loss rate: 25.65%
-- Flow 1:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 64.636 ms
Loss rate: 25.65%

Run 9: Report of Copa — Data Link

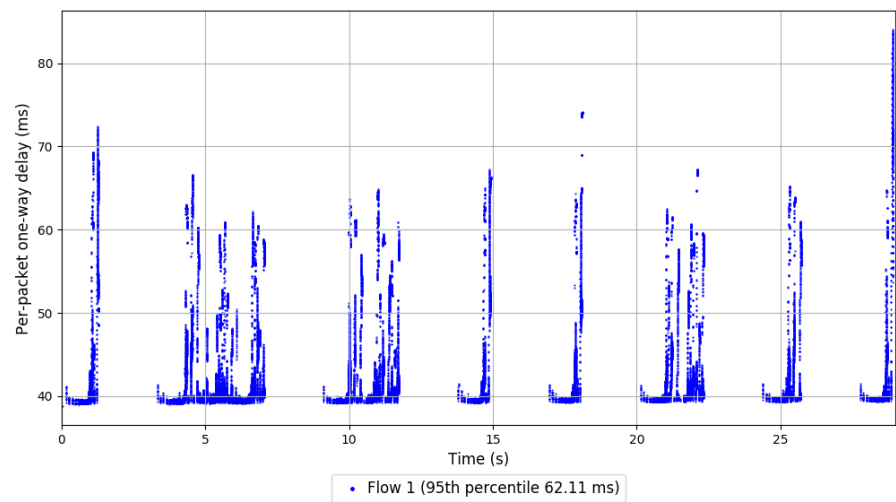
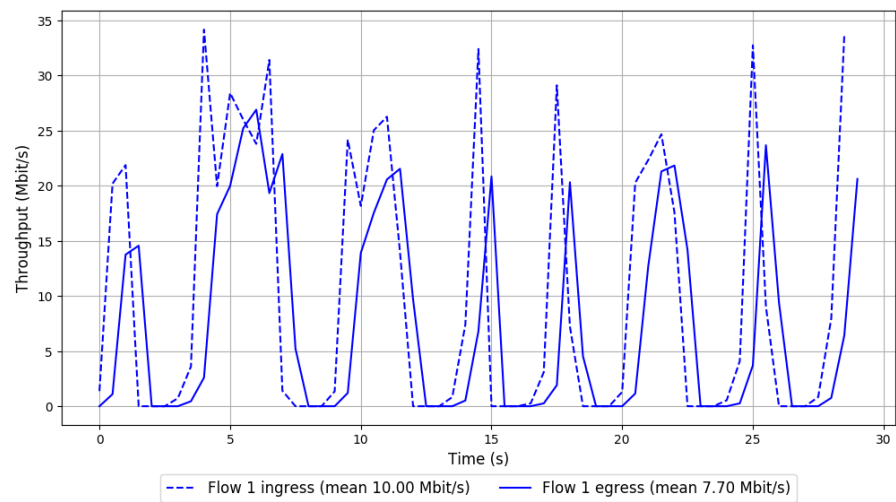


Run 10: Statistics of Copa

Start at: 2018-06-30 11:20:10
End at: 2018-06-30 11:20:40
Local clock offset: 4.612 ms
Remote clock offset: -10.356 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 22.90%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 22.90%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 06:38:08

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

Local clock offset: 2.985 ms

Remote clock offset: -9.42 ms

Below is generated by plot.py at 2018-06-30 11:38:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 41.375 ms

Loss rate: 8.01%

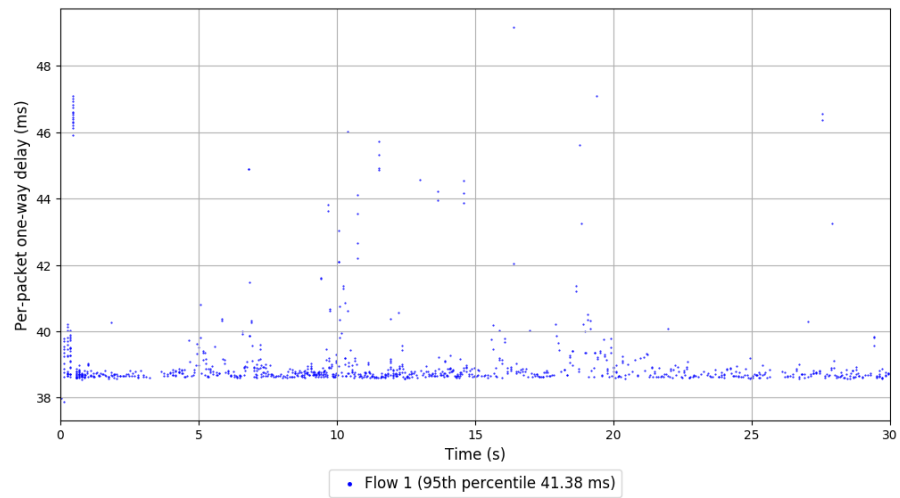
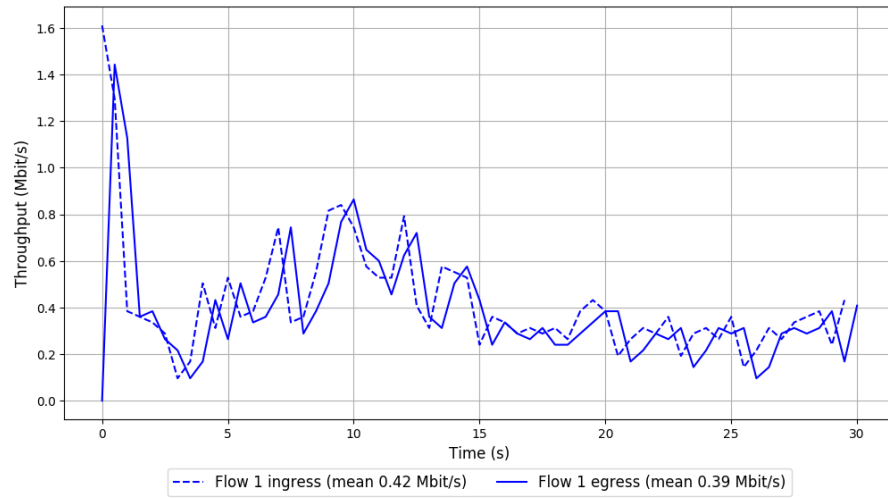
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 41.375 ms

Loss rate: 8.01%

Run 1: Report of TCP Cubic — Data Link

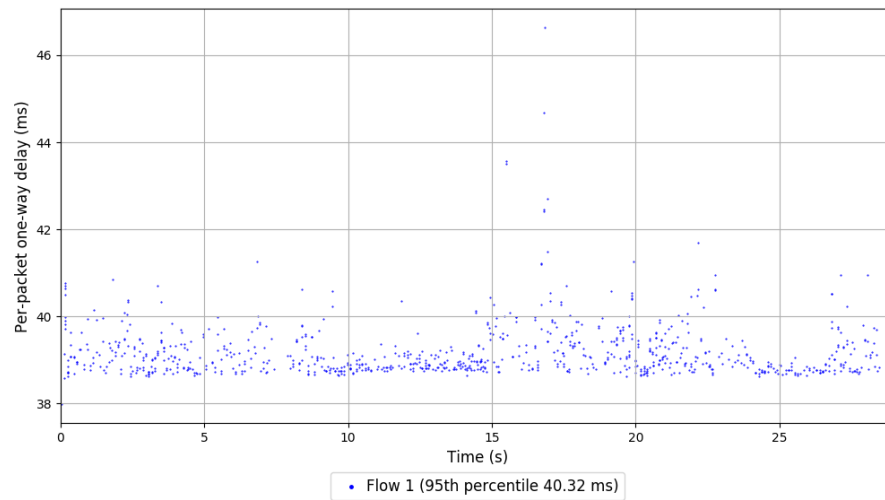
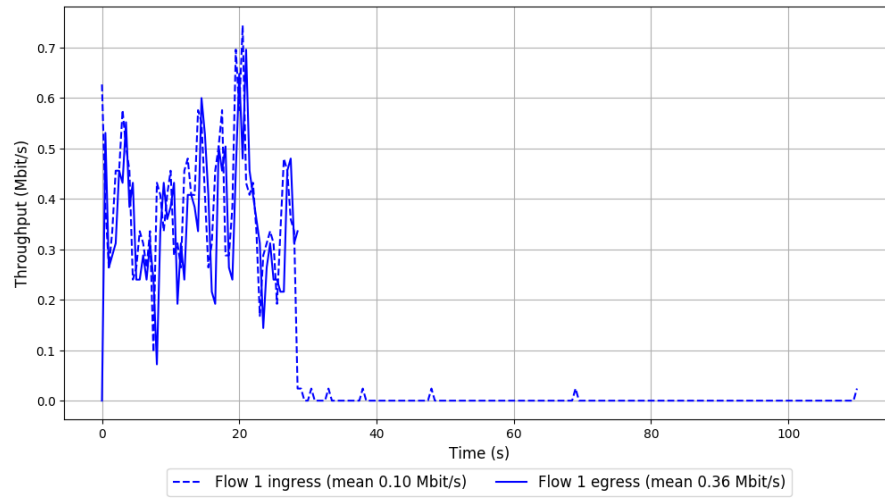


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 07:06:30
End at: 2018-06-30 07:07:00
Local clock offset: -3.802 ms
Remote clock offset: -8.938 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 40.321 ms
Loss rate: 9.36%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 40.321 ms
Loss rate: 9.36%

Run 2: Report of TCP Cubic — Data Link

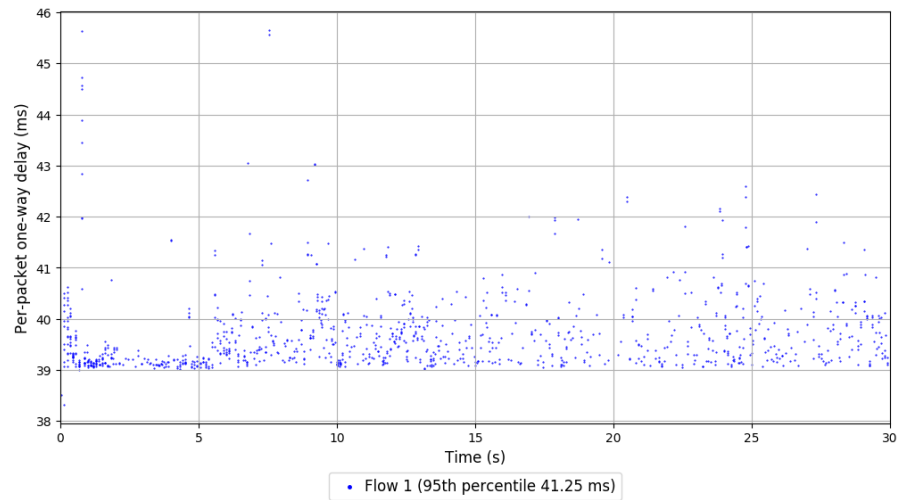
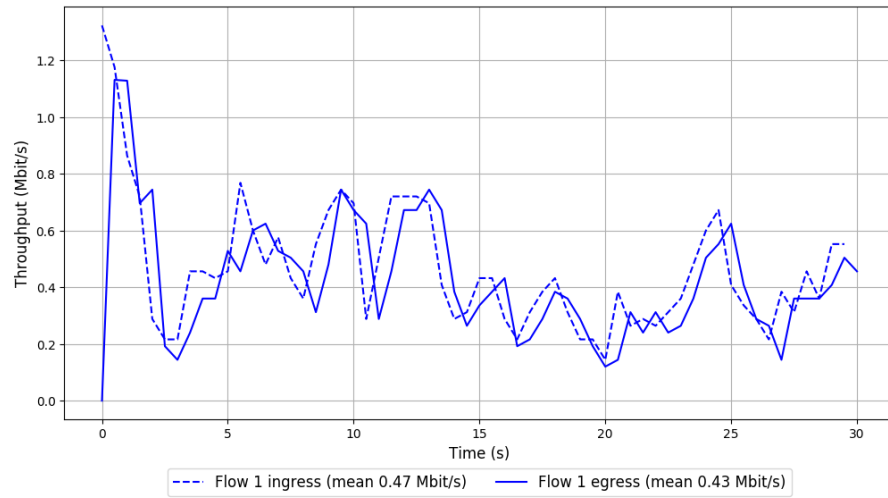


Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 07:41:10
End at: 2018-06-30 07:41:40
Local clock offset: -2.562 ms
Remote clock offset: -10.293 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 41.248 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 41.248 ms
Loss rate: 7.28%

Run 3: Report of TCP Cubic — Data Link

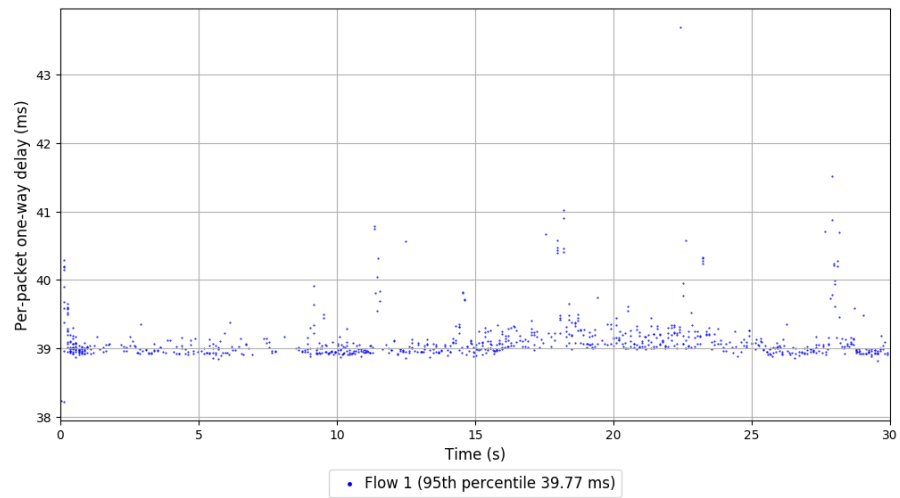
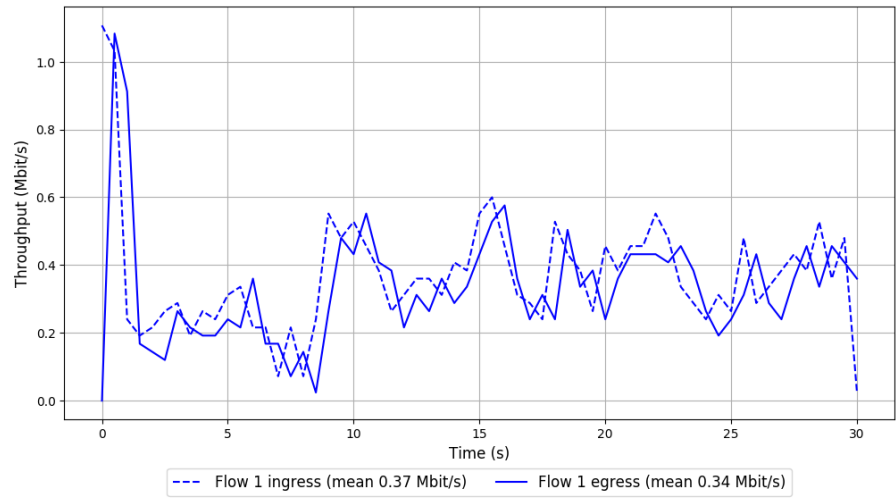


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 08:10:27
End at: 2018-06-30 08:10:57
Local clock offset: 5.541 ms
Remote clock offset: -8.642 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 39.774 ms
Loss rate: 9.39%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 39.774 ms
Loss rate: 9.39%

Run 4: Report of TCP Cubic — Data Link

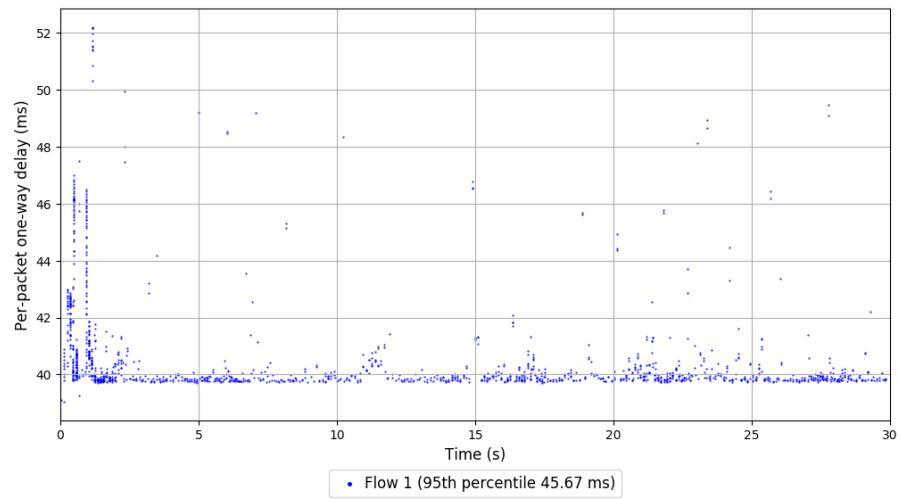
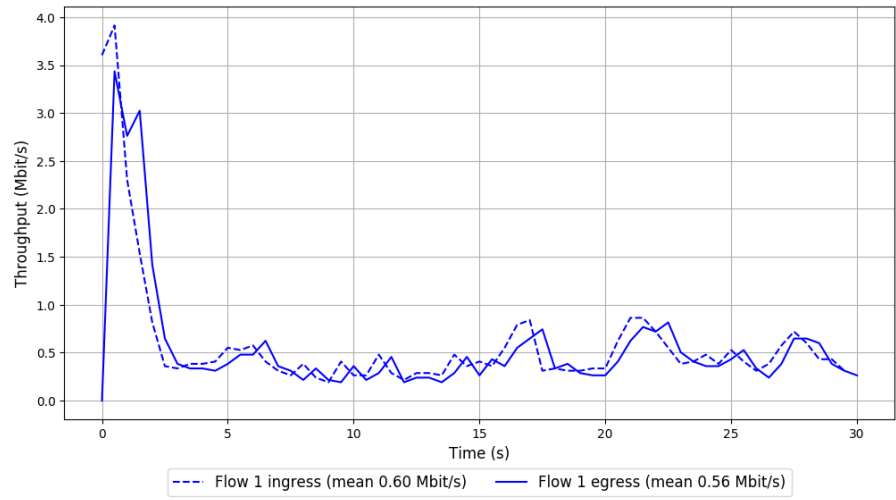


Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 08:38:55
End at: 2018-06-30 08:39:25
Local clock offset: -3.86 ms
Remote clock offset: -9.519 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 45.669 ms
Loss rate: 7.00%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 45.669 ms
Loss rate: 7.00%

Run 5: Report of TCP Cubic — Data Link

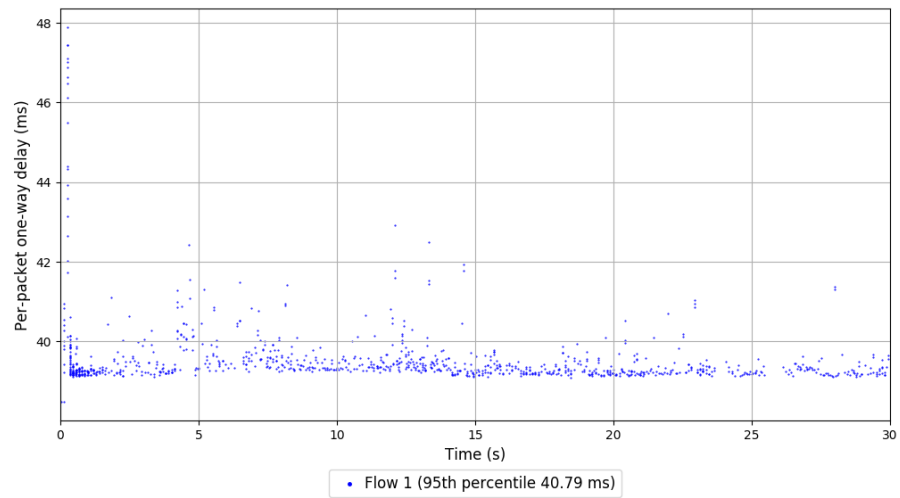
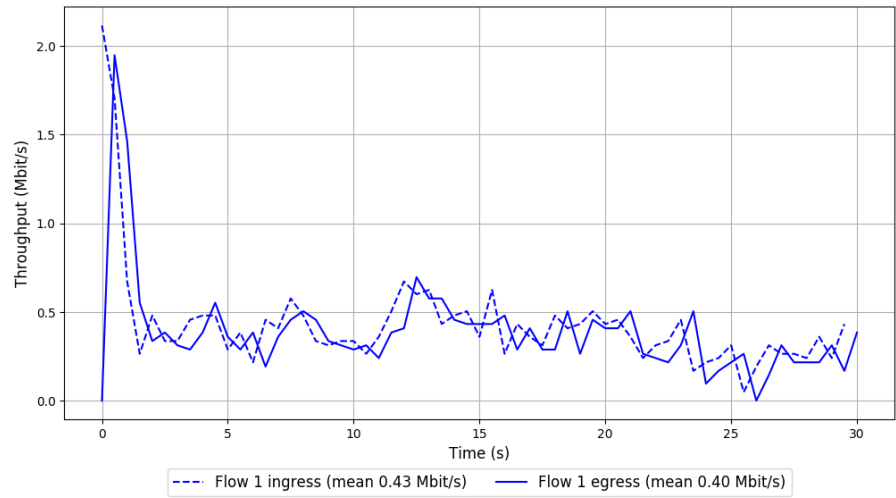


Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 09:07:39
End at: 2018-06-30 09:08:09
Local clock offset: 1.286 ms
Remote clock offset: -10.287 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 40.787 ms
Loss rate: 8.88%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 40.787 ms
Loss rate: 8.88%

Run 6: Report of TCP Cubic — Data Link

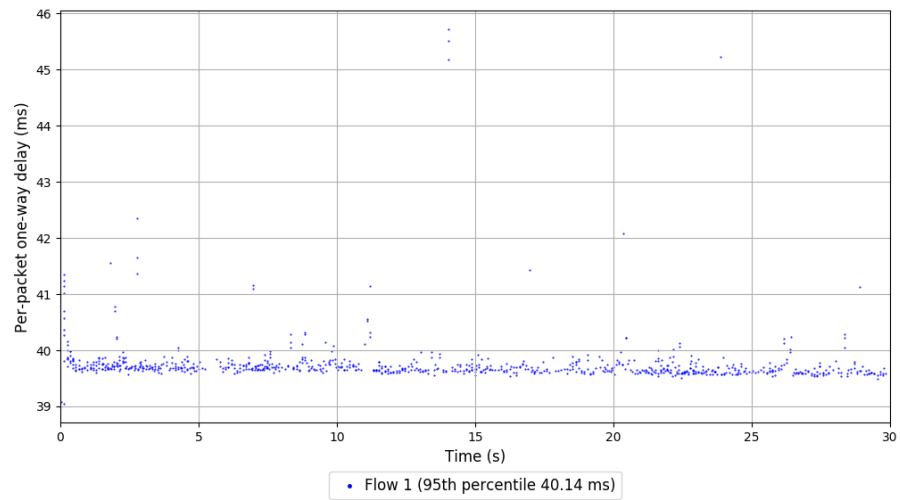
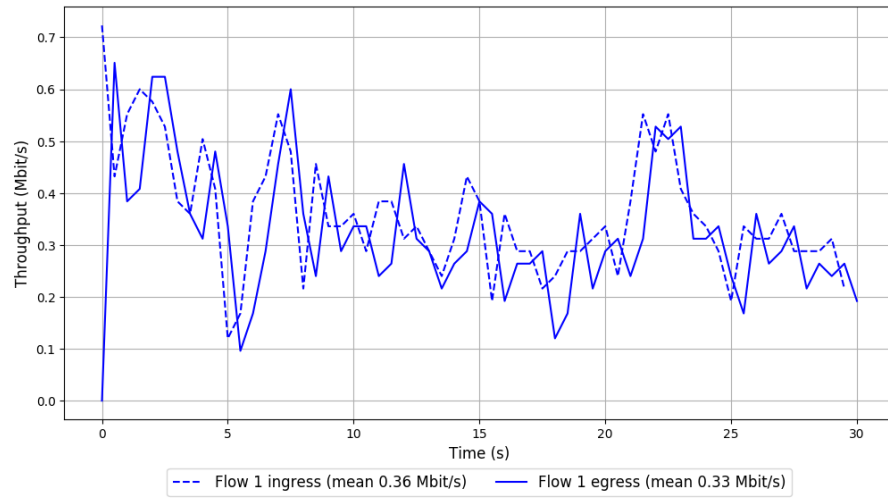


Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 09:37:52
End at: 2018-06-30 09:38:22
Local clock offset: 4.233 ms
Remote clock offset: -9.956 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.139 ms
Loss rate: 8.68%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.139 ms
Loss rate: 8.68%

Run 7: Report of TCP Cubic — Data Link

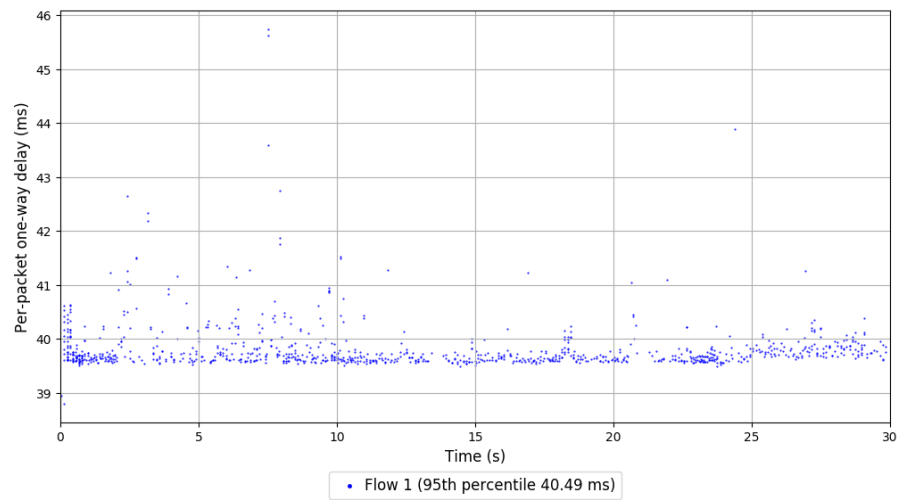
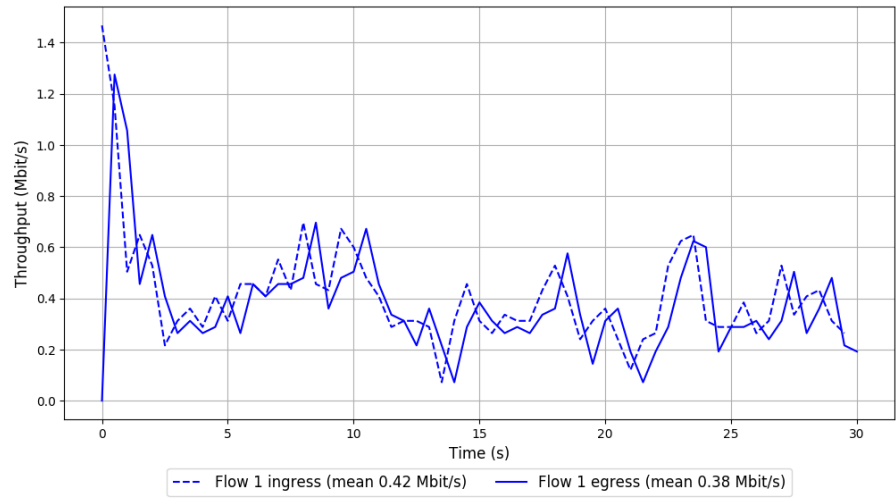


Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 10:09:19
End at: 2018-06-30 10:09:49
Local clock offset: 1.449 ms
Remote clock offset: -11.82 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 40.491 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 40.491 ms
Loss rate: 8.00%

Run 8: Report of TCP Cubic — Data Link

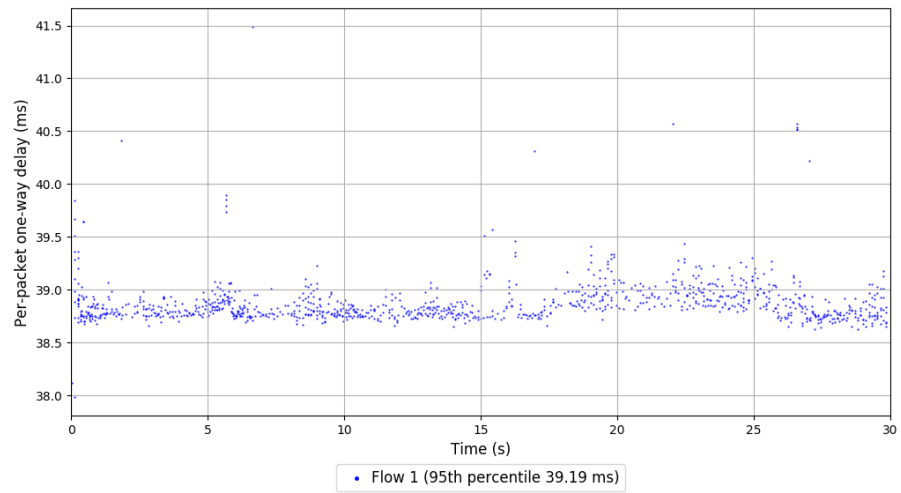
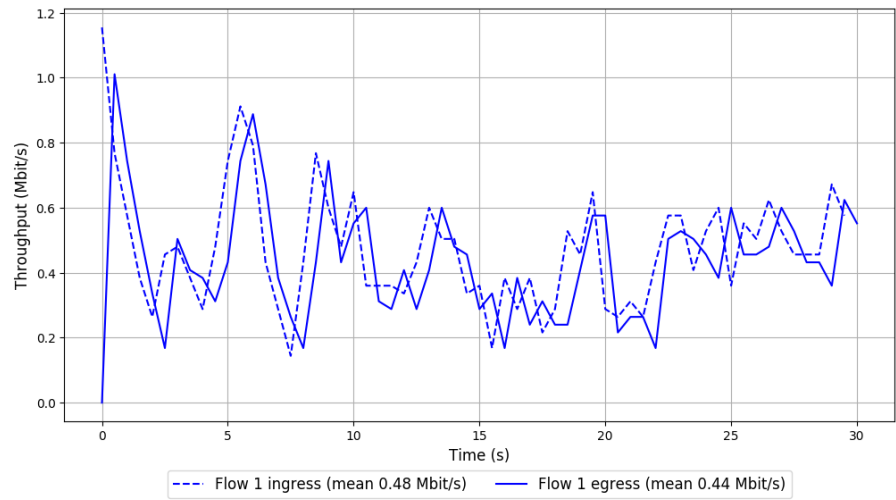


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 10:39:31
End at: 2018-06-30 10:40:01
Local clock offset: 9.056 ms
Remote clock offset: -8.212 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 39.194 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 39.194 ms
Loss rate: 6.67%

Run 9: Report of TCP Cubic — Data Link

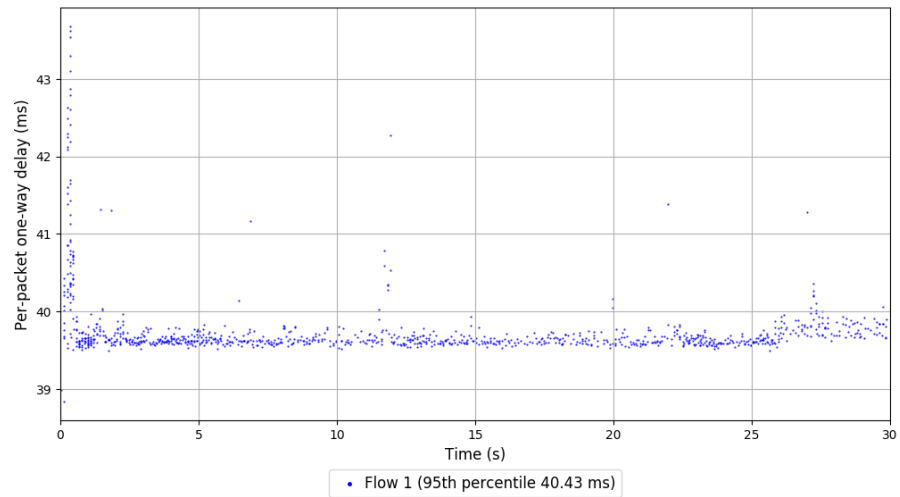
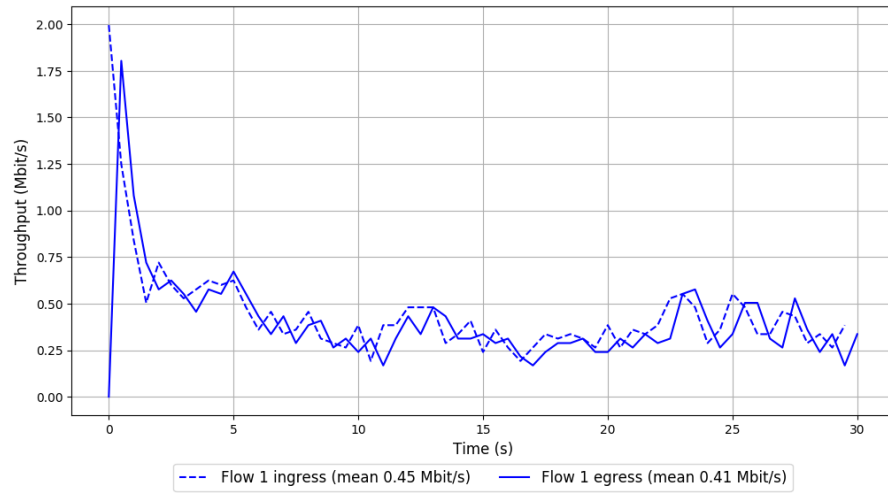


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 11:12:22
End at: 2018-06-30 11:12:52
Local clock offset: 7.123 ms
Remote clock offset: -10.215 ms

Below is generated by plot.py at 2018-06-30 11:38:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 40.428 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 40.428 ms
Loss rate: 8.19%

Run 10: Report of TCP Cubic — Data Link

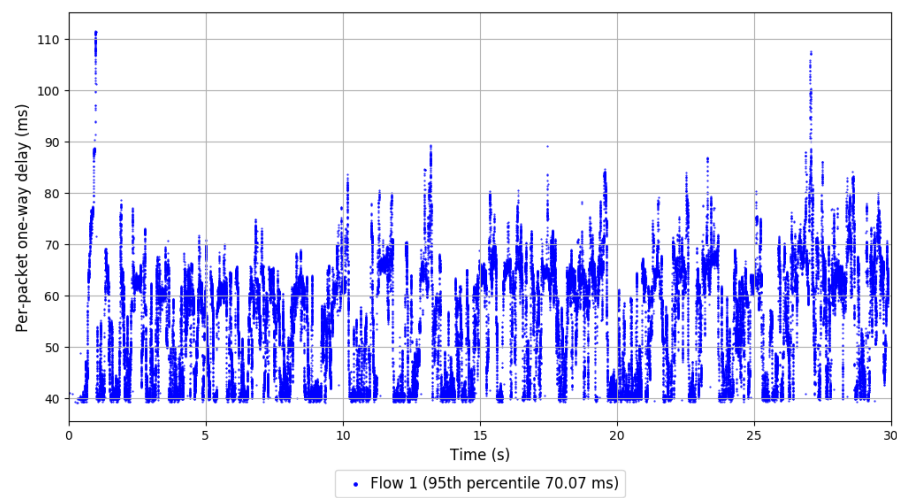
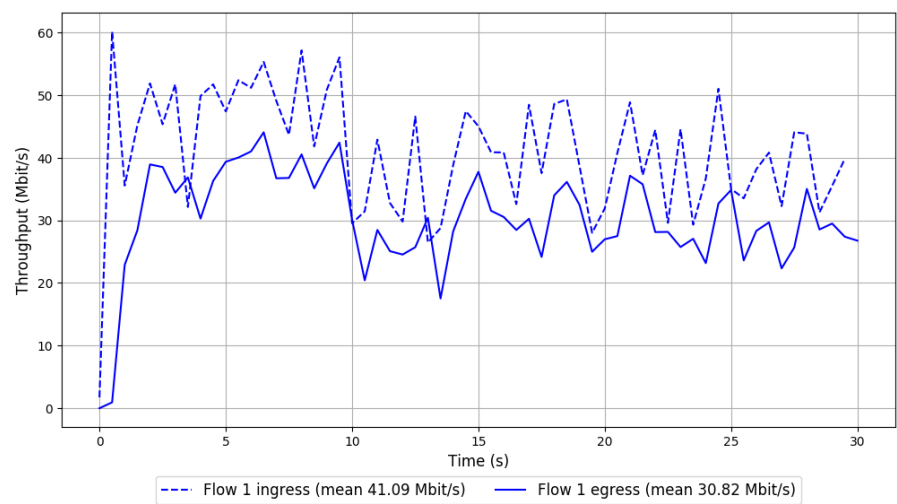


Run 1: Statistics of FillP

Start at: 2018-06-30 06:42:11
End at: 2018-06-30 06:42:41
Local clock offset: 3.191 ms
Remote clock offset: -9.392 ms

Below is generated by plot.py at 2018-06-30 11:38:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 70.068 ms
Loss rate: 25.27%
-- Flow 1:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 70.068 ms
Loss rate: 25.27%

Run 1: Report of FillP — Data Link

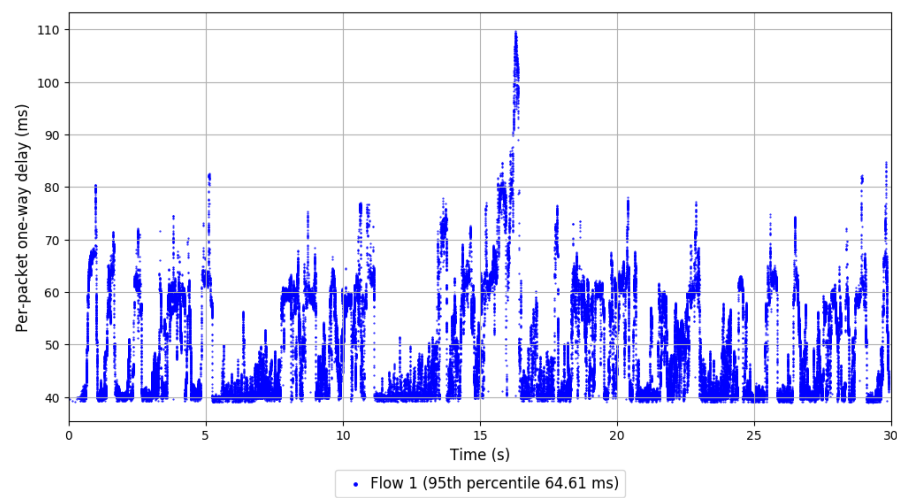
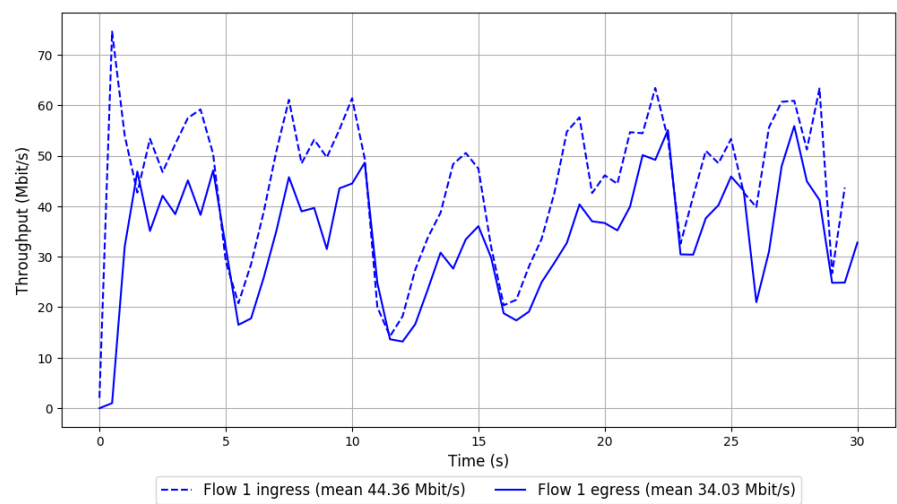


Run 2: Statistics of FillP

Start at: 2018-06-30 07:15:33
End at: 2018-06-30 07:16:03
Local clock offset: -4.912 ms
Remote clock offset: -9.254 ms

Below is generated by plot.py at 2018-06-30 11:38:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 64.610 ms
Loss rate: 23.56%
-- Flow 1:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 64.610 ms
Loss rate: 23.56%

Run 2: Report of FillP — Data Link

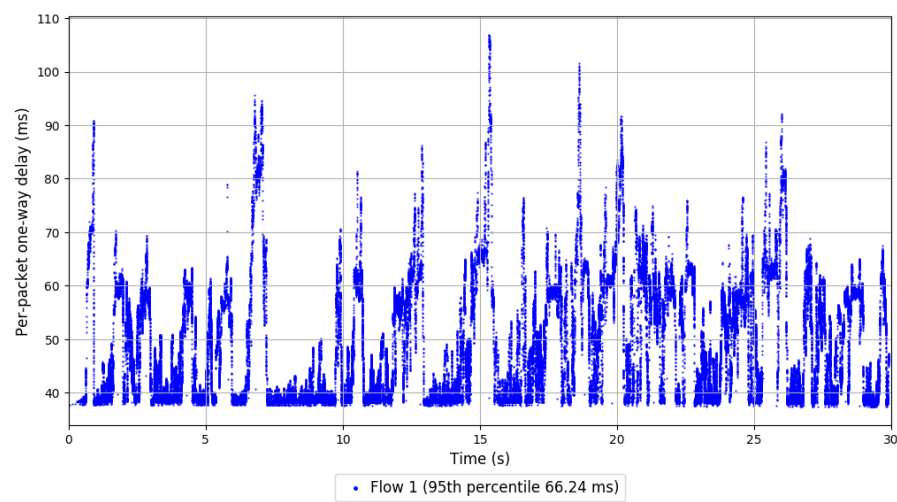
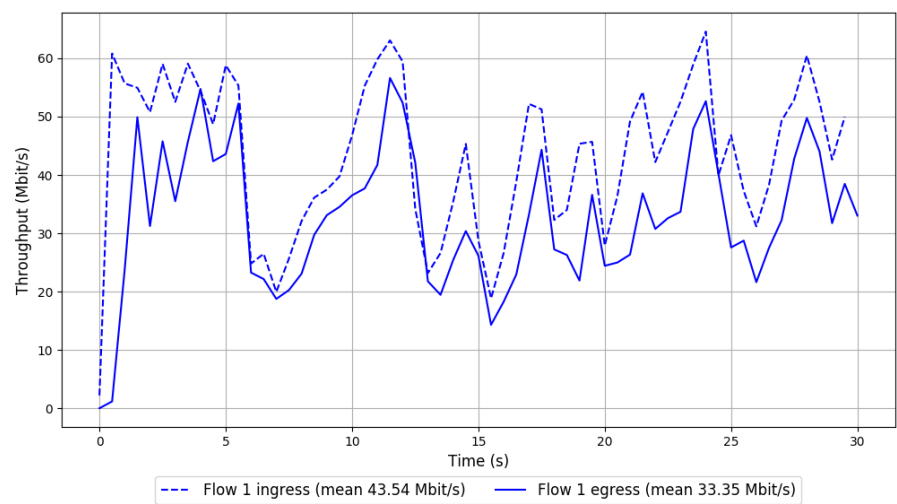


Run 3: Statistics of FillP

Start at: 2018-06-30 07:45:29
End at: 2018-06-30 07:45:59
Local clock offset: -2.563 ms
Remote clock offset: -10.305 ms

Below is generated by plot.py at 2018-06-30 11:38:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 66.236 ms
Loss rate: 23.67%
-- Flow 1:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 66.236 ms
Loss rate: 23.67%

Run 3: Report of FillP — Data Link

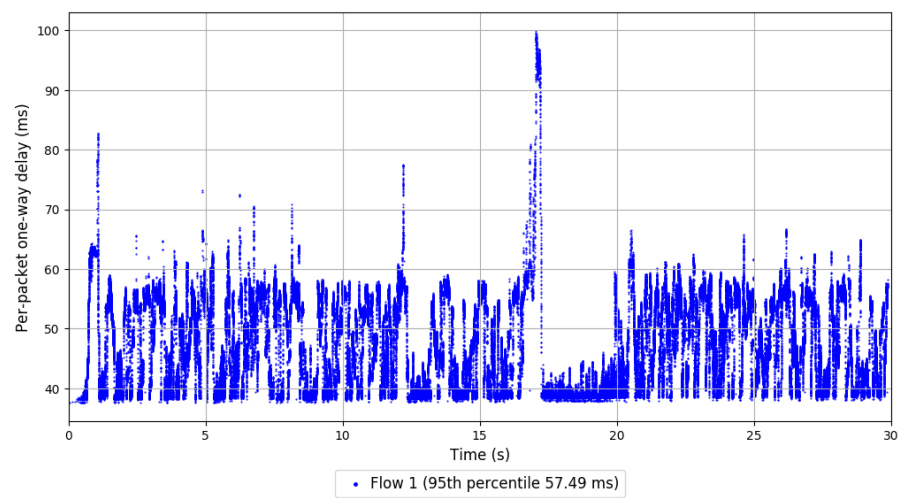
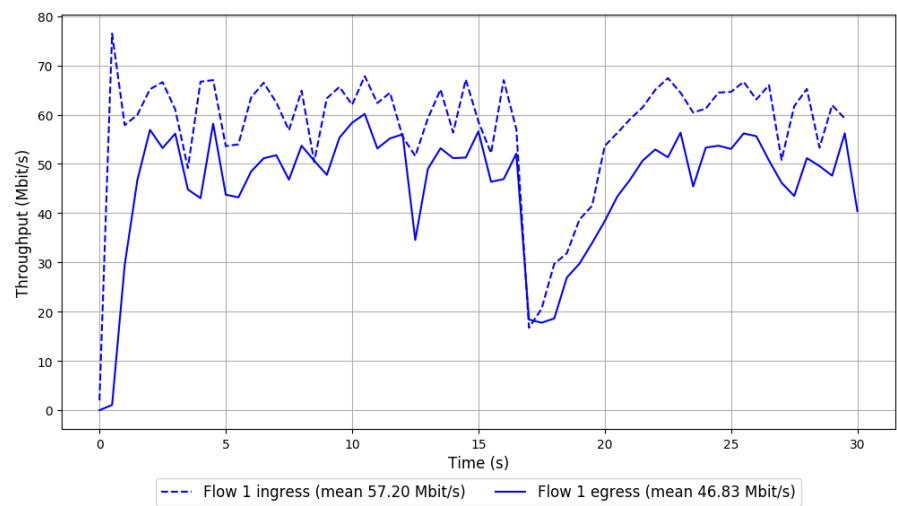


Run 4: Statistics of FillP

Start at: 2018-06-30 08:14:56
End at: 2018-06-30 08:15:26
Local clock offset: 5.736 ms
Remote clock offset: -8.006 ms

Below is generated by plot.py at 2018-06-30 11:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 57.488 ms
Loss rate: 18.41%
-- Flow 1:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 57.488 ms
Loss rate: 18.41%

Run 4: Report of FillP — Data Link

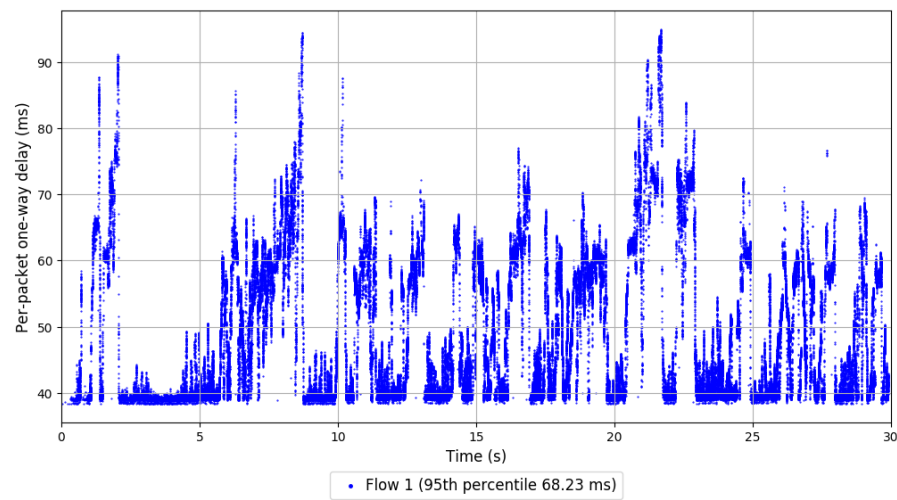
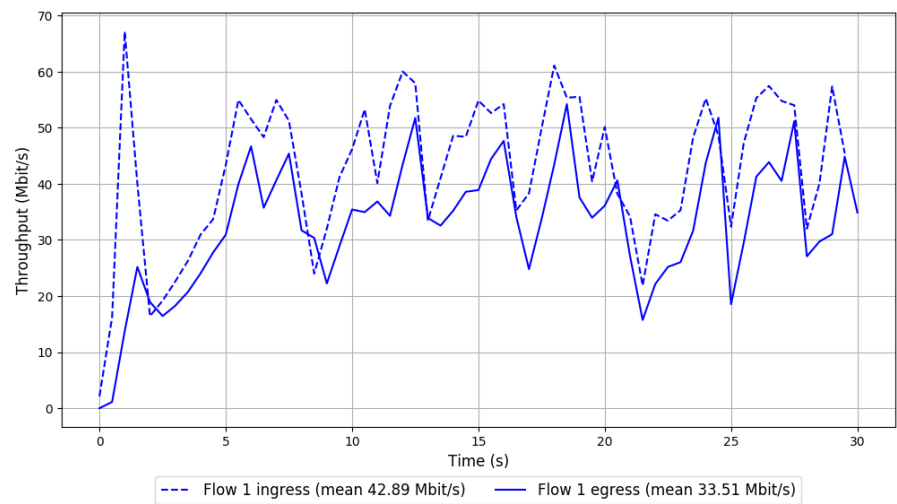


Run 5: Statistics of FillP

Start at: 2018-06-30 08:43:05
End at: 2018-06-30 08:43:35
Local clock offset: -4.2 ms
Remote clock offset: -9.907 ms

Below is generated by plot.py at 2018-06-30 11:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 68.235 ms
Loss rate: 22.15%
-- Flow 1:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 68.235 ms
Loss rate: 22.15%

Run 5: Report of FillP — Data Link

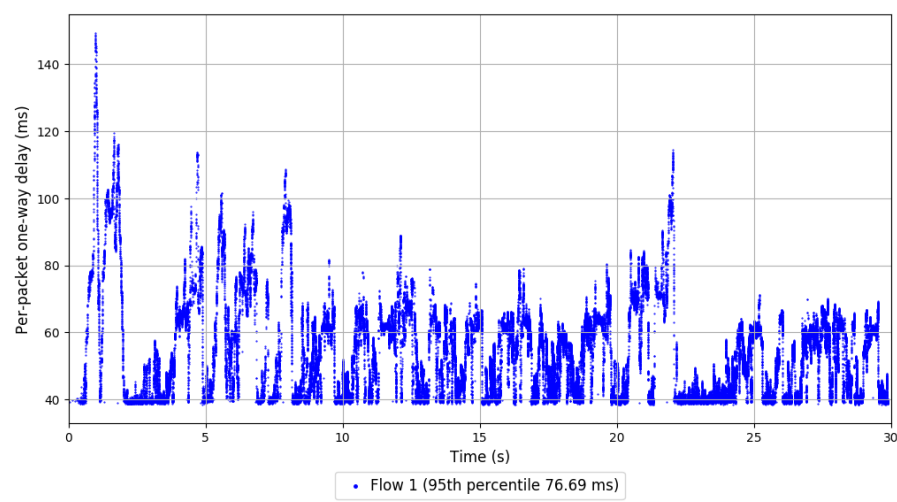
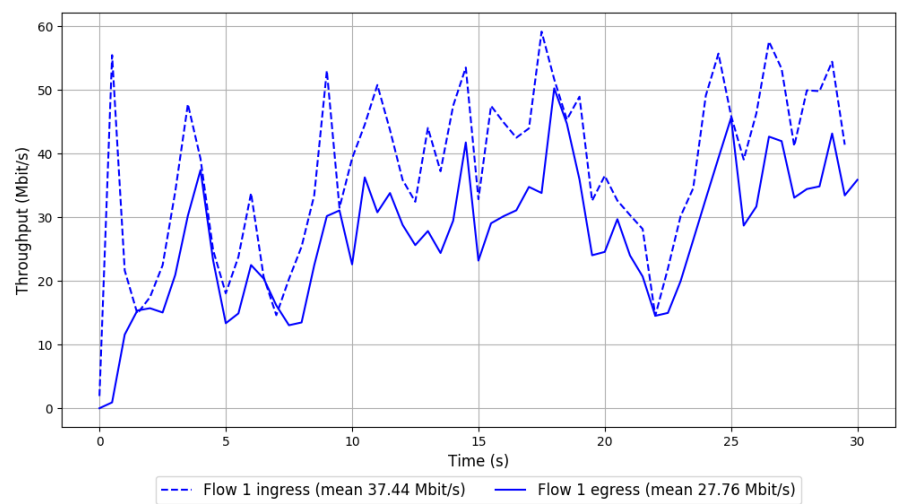


Run 6: Statistics of FillP

Start at: 2018-06-30 09:11:41
End at: 2018-06-30 09:12:11
Local clock offset: 1.523 ms
Remote clock offset: -10.183 ms

Below is generated by plot.py at 2018-06-30 11:39:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 76.686 ms
Loss rate: 26.12%
-- Flow 1:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 76.686 ms
Loss rate: 26.12%

Run 6: Report of FillP — Data Link

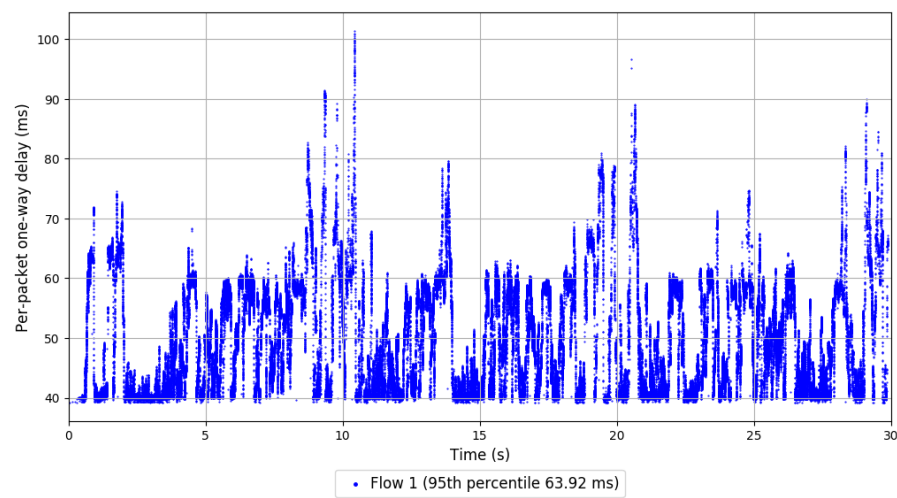
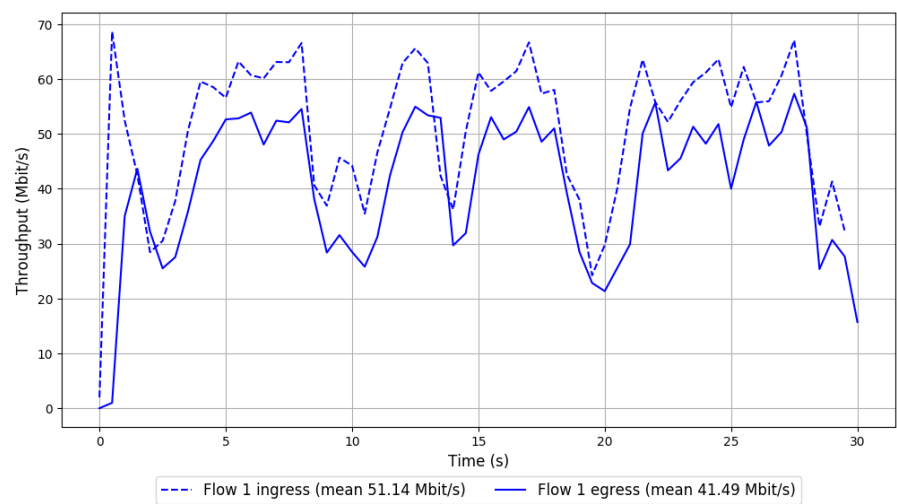


Run 7: Statistics of FillP

Start at: 2018-06-30 09:42:01
End at: 2018-06-30 09:42:31
Local clock offset: 4.452 ms
Remote clock offset: -10.548 ms

Below is generated by plot.py at 2018-06-30 11:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 63.916 ms
Loss rate: 19.17%
-- Flow 1:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 63.916 ms
Loss rate: 19.17%

Run 7: Report of FillP — Data Link

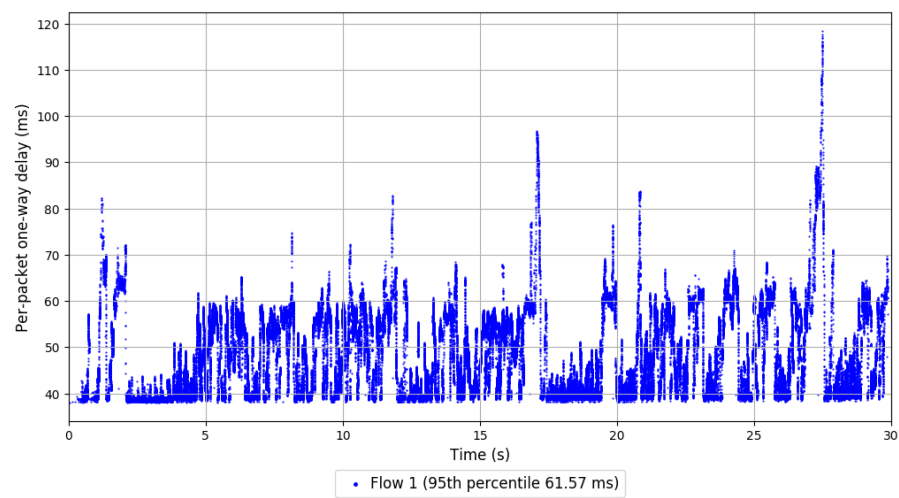
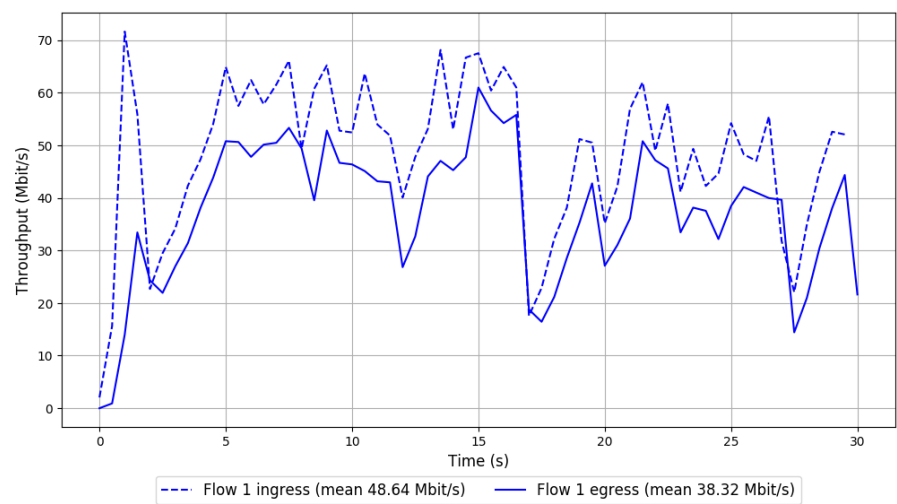


Run 8: Statistics of FillP

Start at: 2018-06-30 10:13:22
End at: 2018-06-30 10:13:52
Local clock offset: 1.363 ms
Remote clock offset: -11.478 ms

Below is generated by plot.py at 2018-06-30 11:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 61.573 ms
Loss rate: 21.49%
-- Flow 1:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 61.573 ms
Loss rate: 21.49%

Run 8: Report of FillP — Data Link

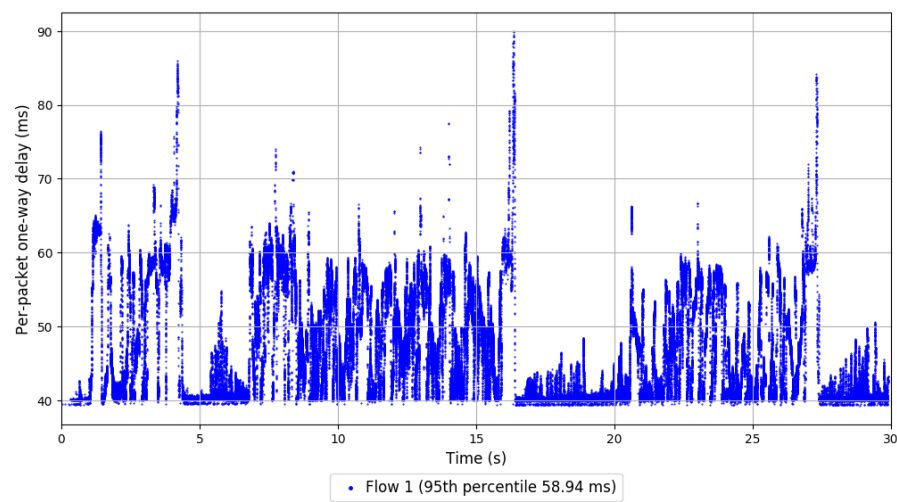
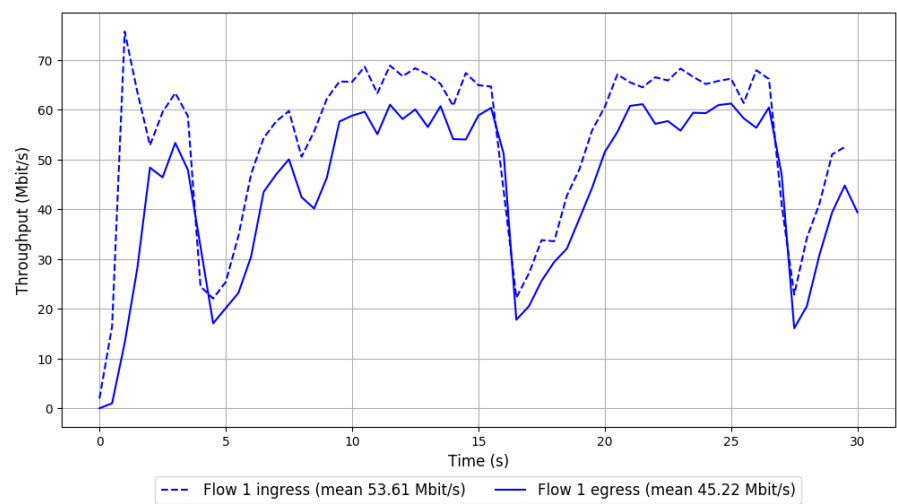


Run 9: Statistics of FillP

Start at: 2018-06-30 10:43:48
End at: 2018-06-30 10:44:18
Local clock offset: 9.669 ms
Remote clock offset: -8.022 ms

Below is generated by plot.py at 2018-06-30 11:39:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 58.944 ms
Loss rate: 15.95%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 58.944 ms
Loss rate: 15.95%

Run 9: Report of FillP — Data Link

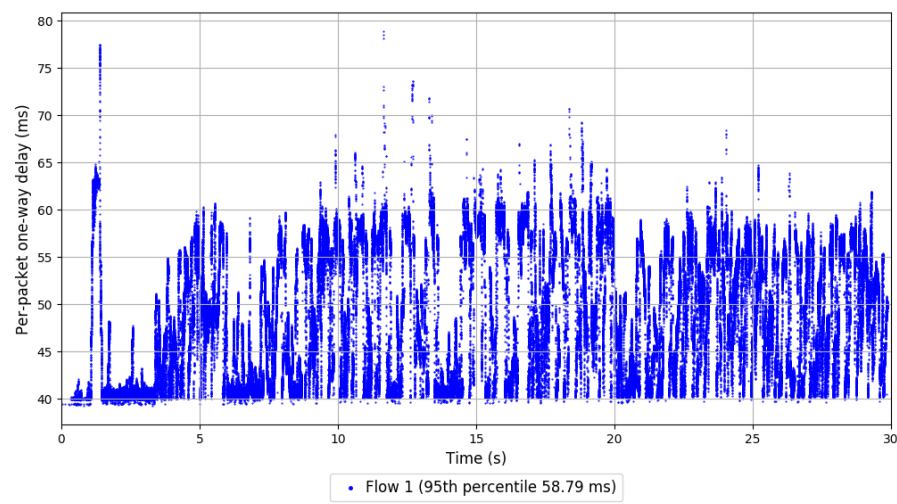
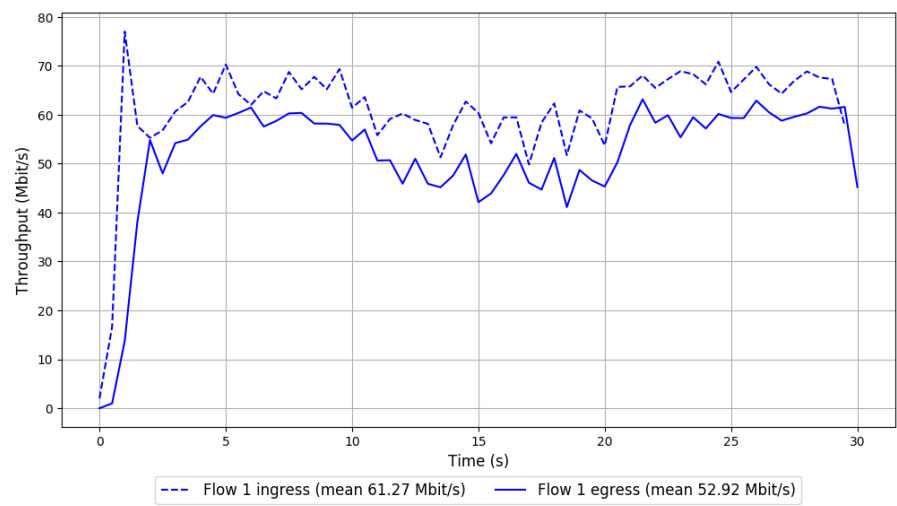


Run 10: Statistics of FillP

Start at: 2018-06-30 11:16:39
End at: 2018-06-30 11:17:09
Local clock offset: 6.487 ms
Remote clock offset: -10.255 ms

Below is generated by plot.py at 2018-06-30 11:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 58.791 ms
Loss rate: 13.93%
-- Flow 1:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 58.791 ms
Loss rate: 13.93%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

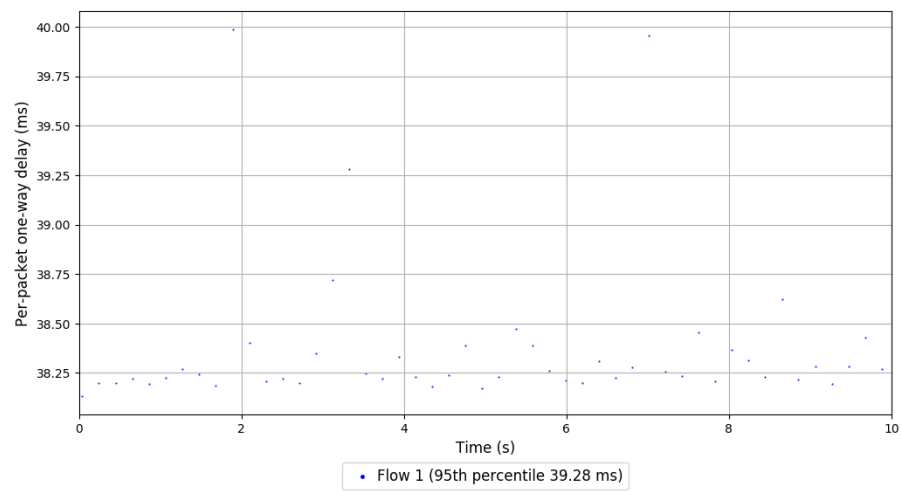
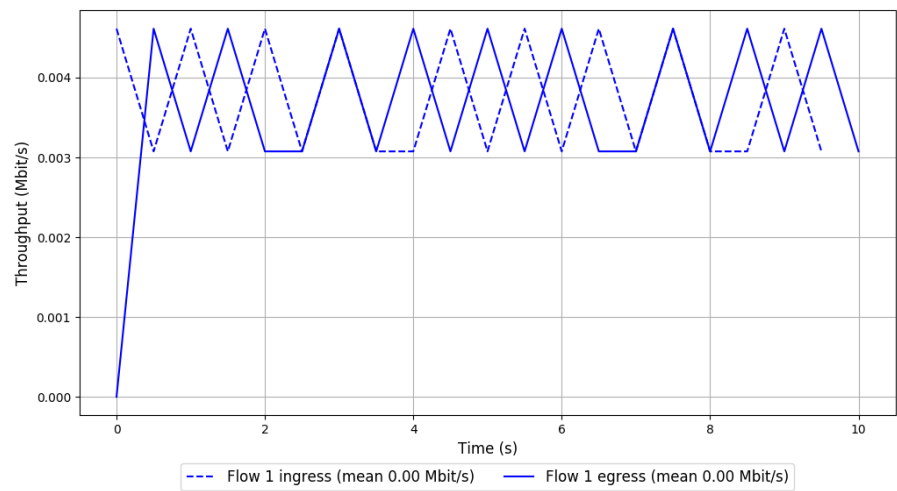
Start at: 2018-06-30 06:52:09

End at: 2018-06-30 06:52:39

Local clock offset: -0.61 ms

Remote clock offset: -8.982 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

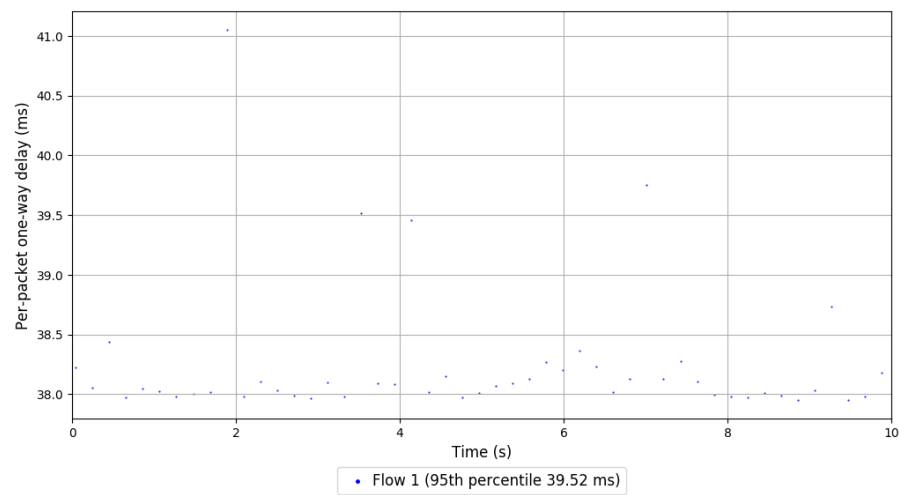
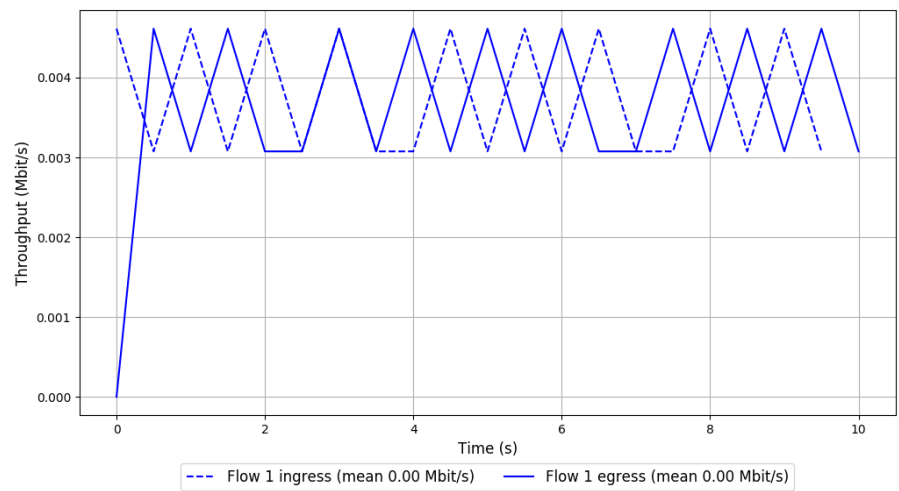
Start at: 2018-06-30 07:25:19

End at: 2018-06-30 07:25:49

Local clock offset: -3.049 ms

Remote clock offset: -9.342 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

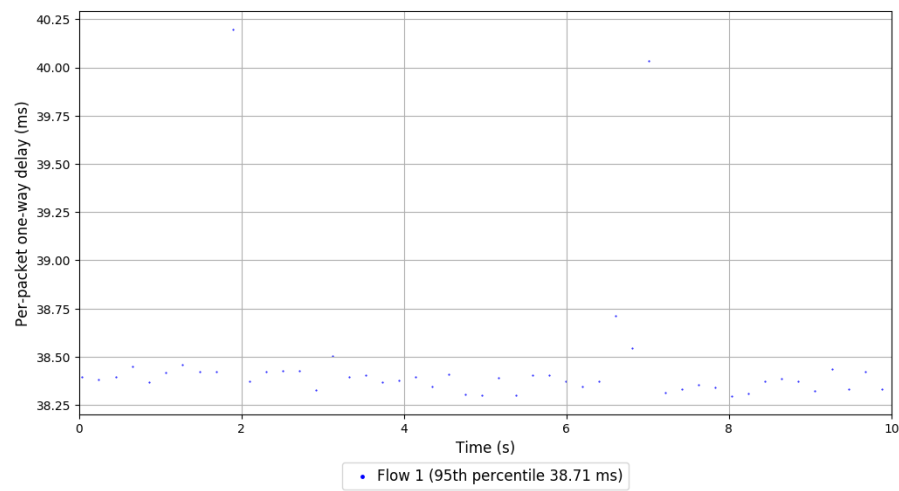
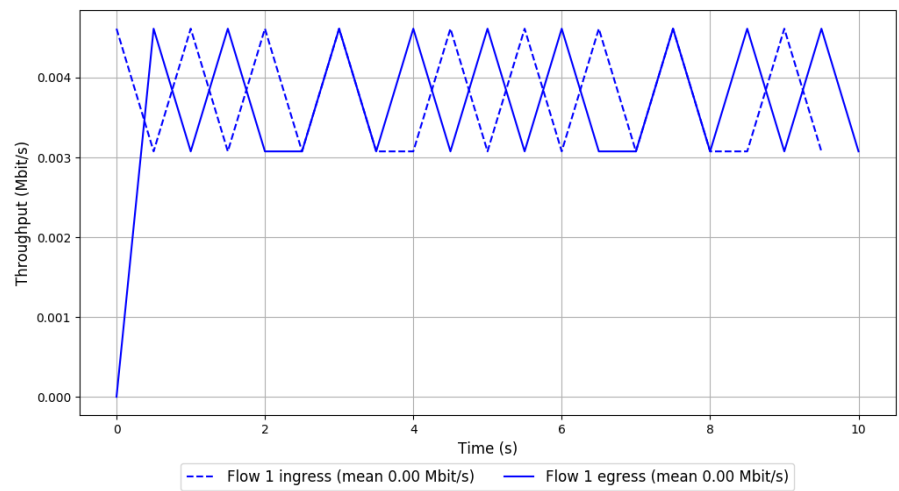
Start at: 2018-06-30 07:54:25

End at: 2018-06-30 07:54:55

Local clock offset: 2.381 ms

Remote clock offset: -10.387 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

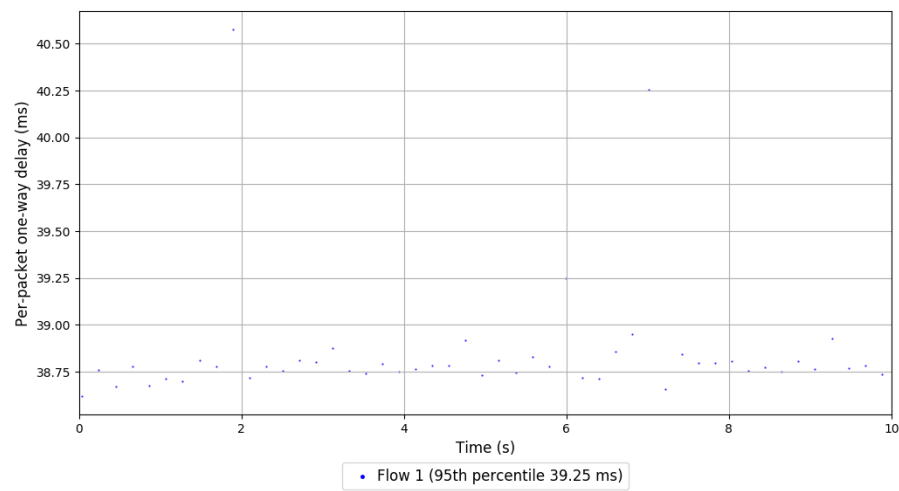
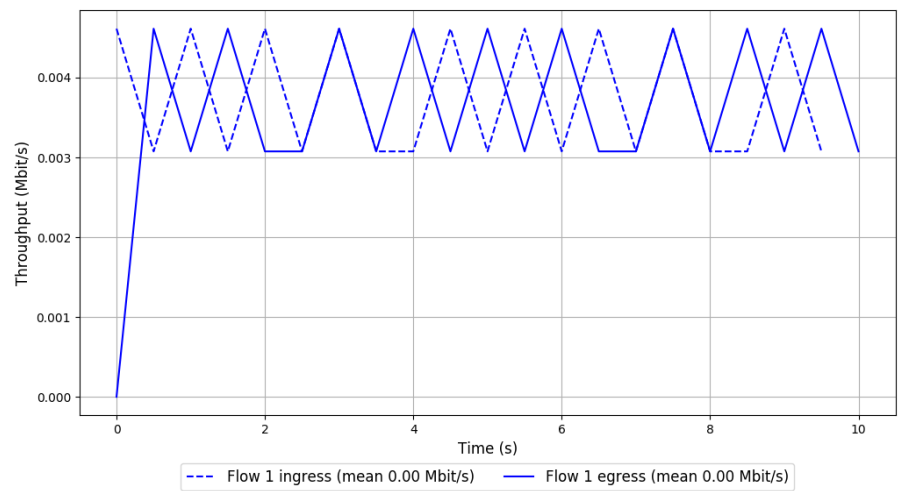
Start at: 2018-06-30 08:25:13

End at: 2018-06-30 08:25:43

Local clock offset: -0.734 ms

Remote clock offset: -7.974 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

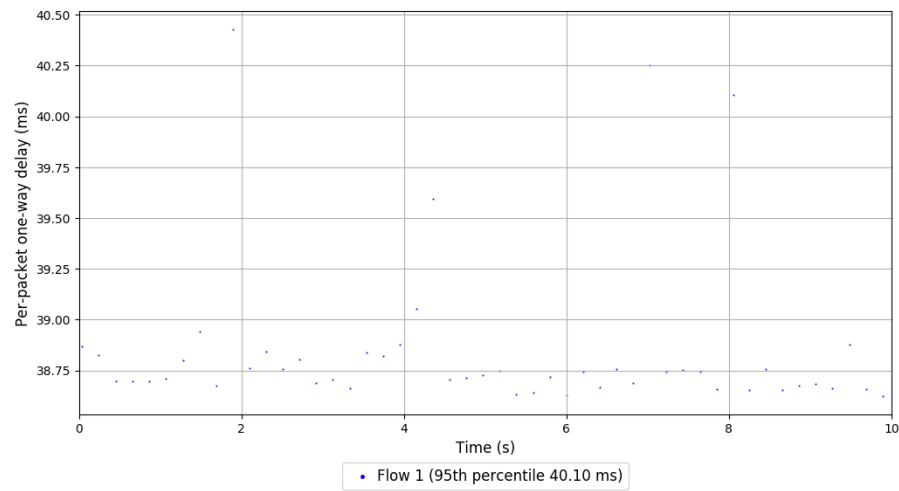
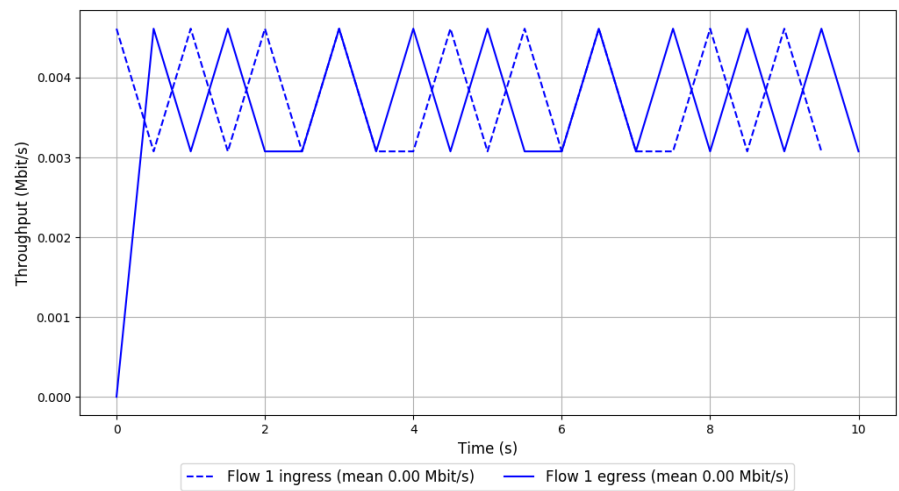
Start at: 2018-06-30 08:52:15

End at: 2018-06-30 08:52:45

Local clock offset: -1.504 ms

Remote clock offset: -9.879 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

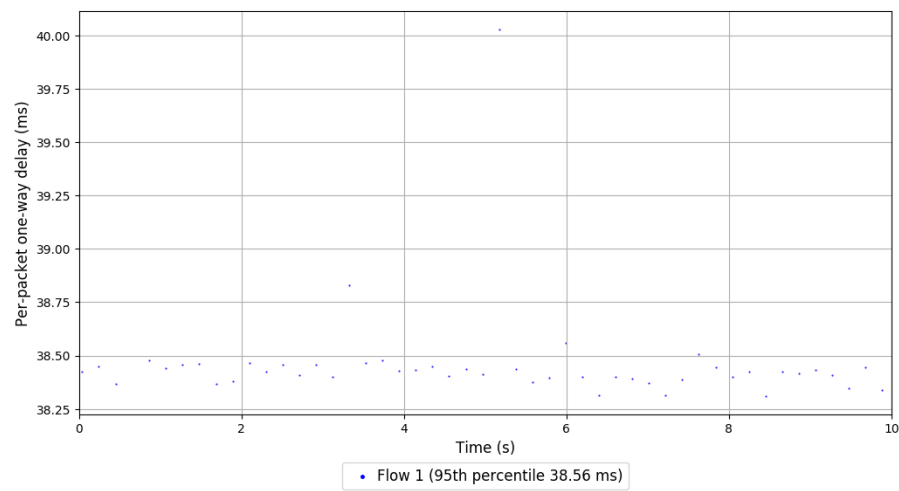
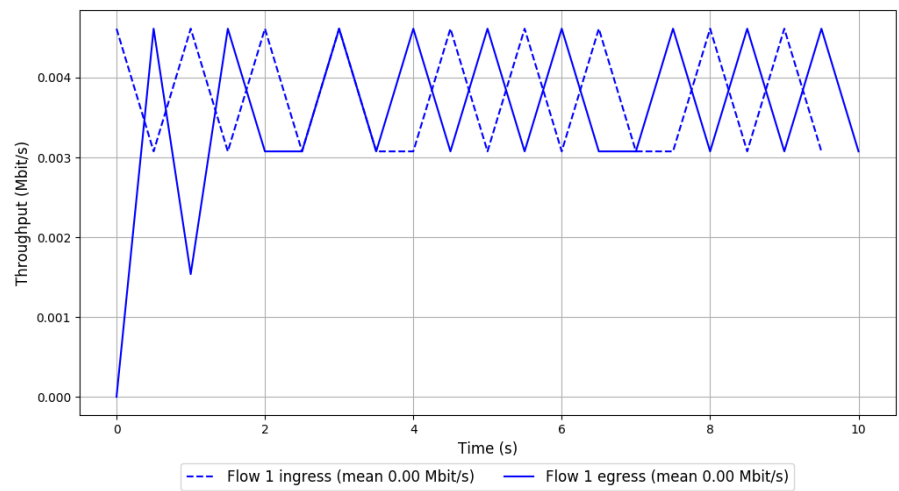
Start at: 2018-06-30 09:21:22

End at: 2018-06-30 09:21:52

Local clock offset: 2.722 ms

Remote clock offset: -9.991 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

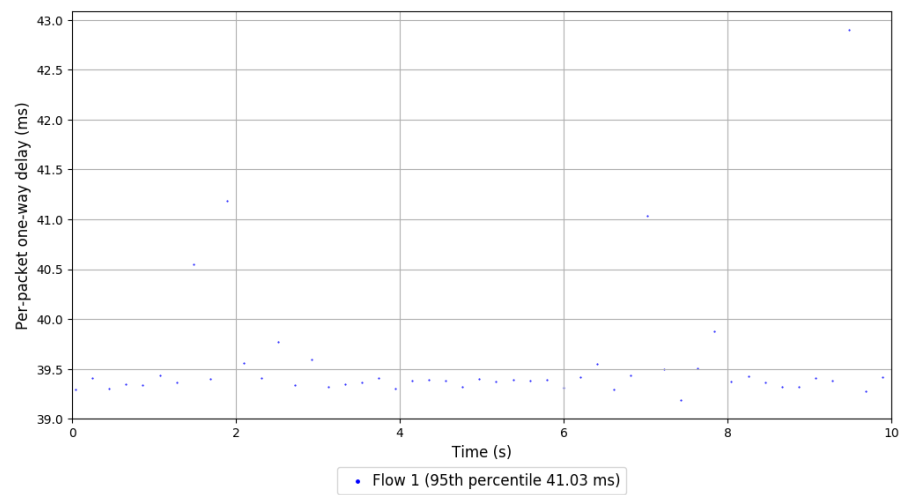
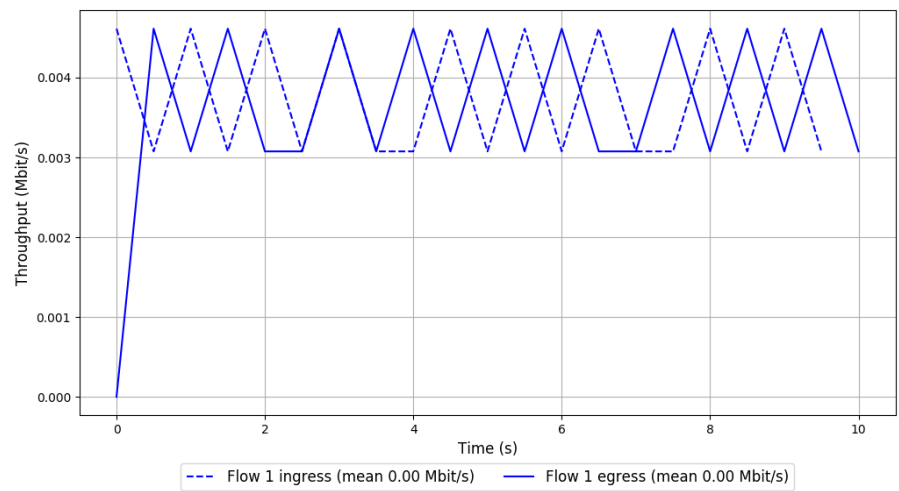
Start at: 2018-06-30 09:52:04

End at: 2018-06-30 09:52:34

Local clock offset: 2.899 ms

Remote clock offset: -11.595 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

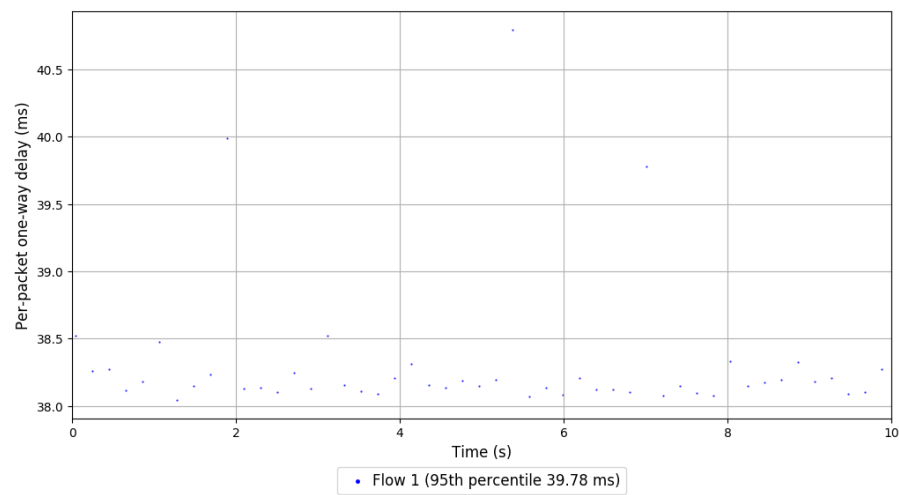
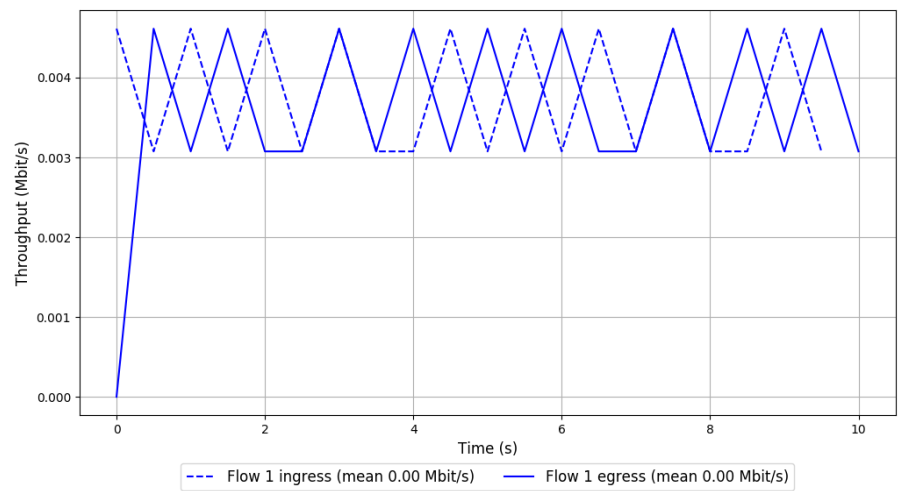
Start at: 2018-06-30 10:22:51

End at: 2018-06-30 10:23:21

Local clock offset: 5.319 ms

Remote clock offset: -9.54 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

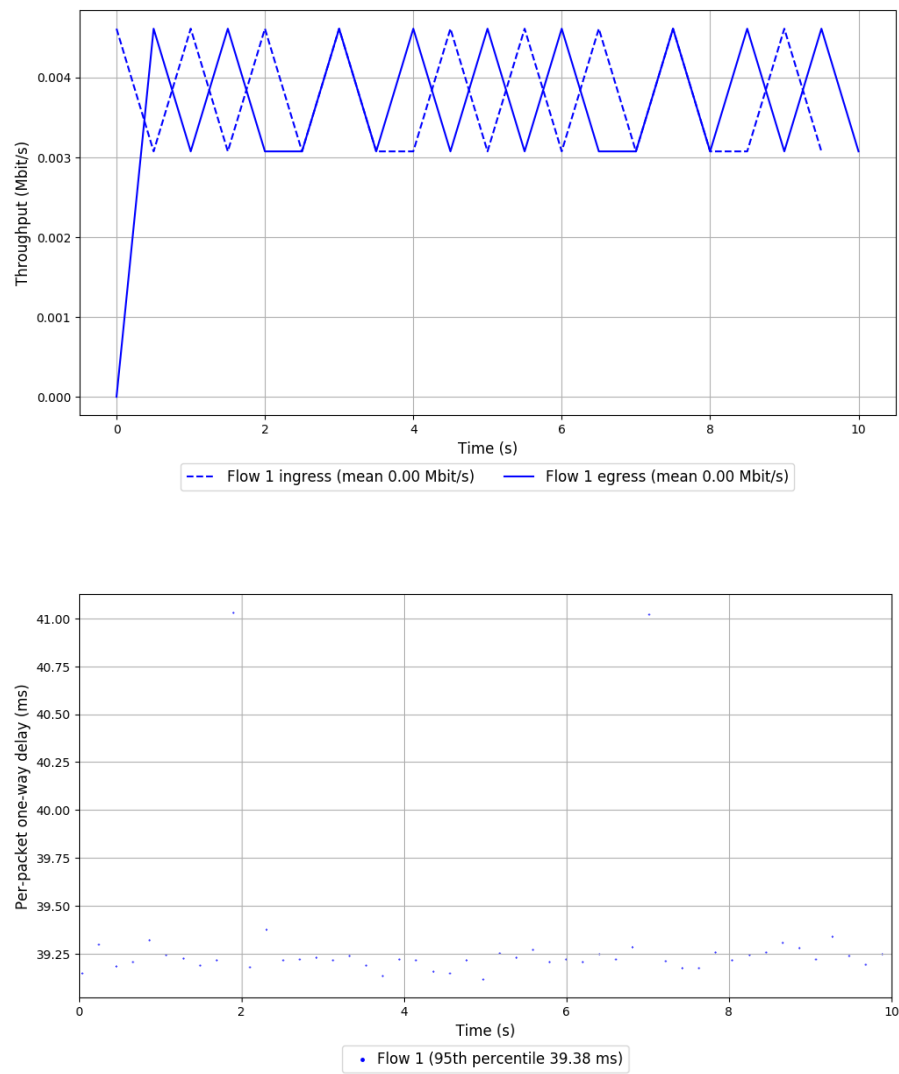
Start at: 2018-06-30 10:54:16

End at: 2018-06-30 10:54:46

Local clock offset: 7.762 ms

Remote clock offset: -9.5 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

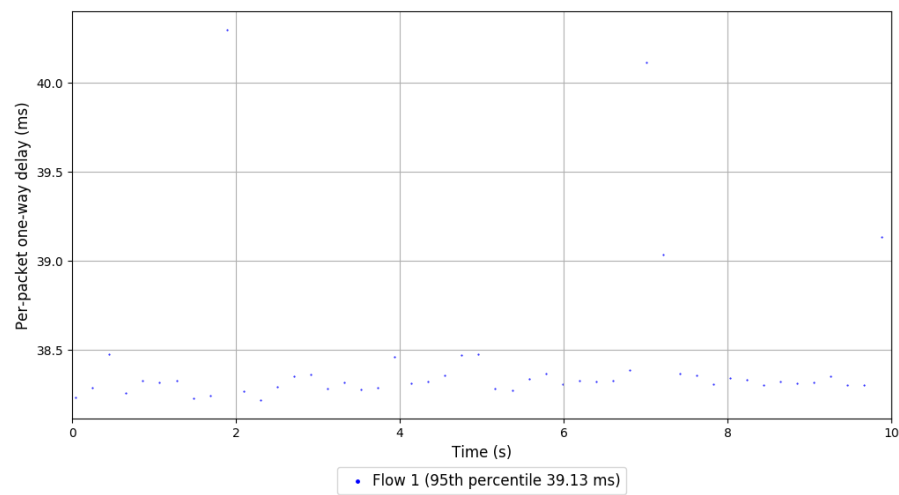
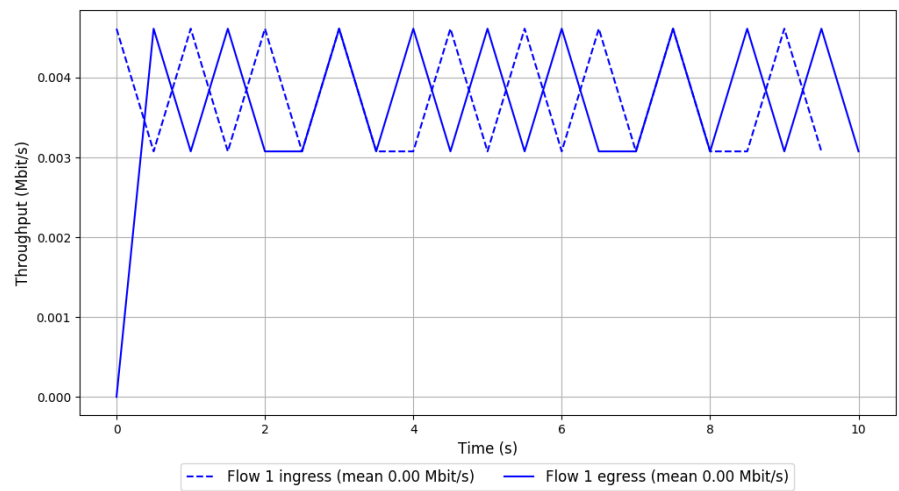
Start at: 2018-06-30 11:27:20

End at: 2018-06-30 11:27:50

Local clock offset: 2.397 ms

Remote clock offset: -8.726 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-30 06:35:04

End at: 2018-06-30 06:35:34

Local clock offset: 2.829 ms

Remote clock offset: -9.398 ms

Below is generated by plot.py at 2018-06-30 11:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 73.649 ms

Loss rate: 12.75%

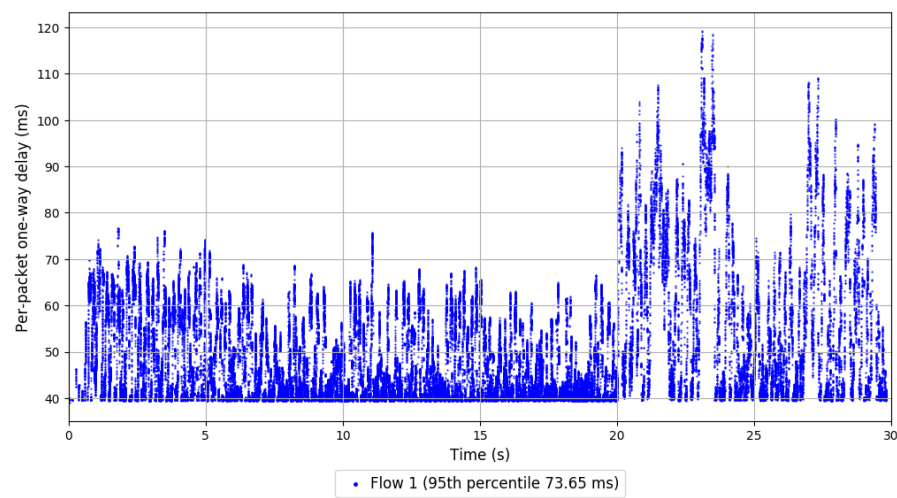
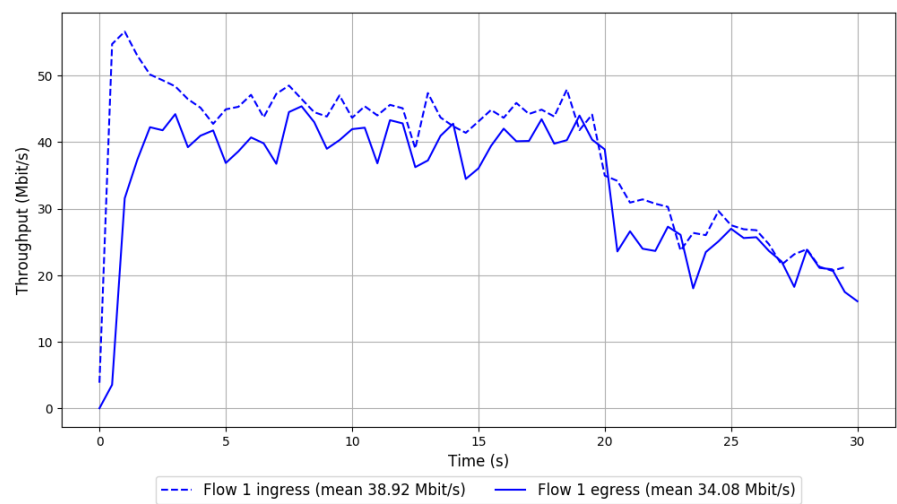
-- Flow 1:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 73.649 ms

Loss rate: 12.75%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 07:03:55

End at: 2018-06-30 07:04:26

Local clock offset: -3.574 ms

Remote clock offset: -9.36 ms

Below is generated by plot.py at 2018-06-30 11:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.61 Mbit/s

95th percentile per-packet one-way delay: 70.963 ms

Loss rate: 11.34%

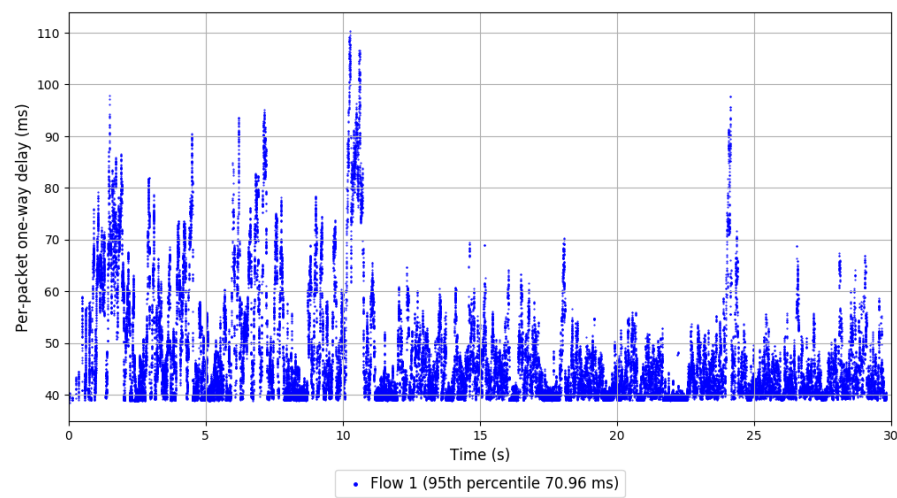
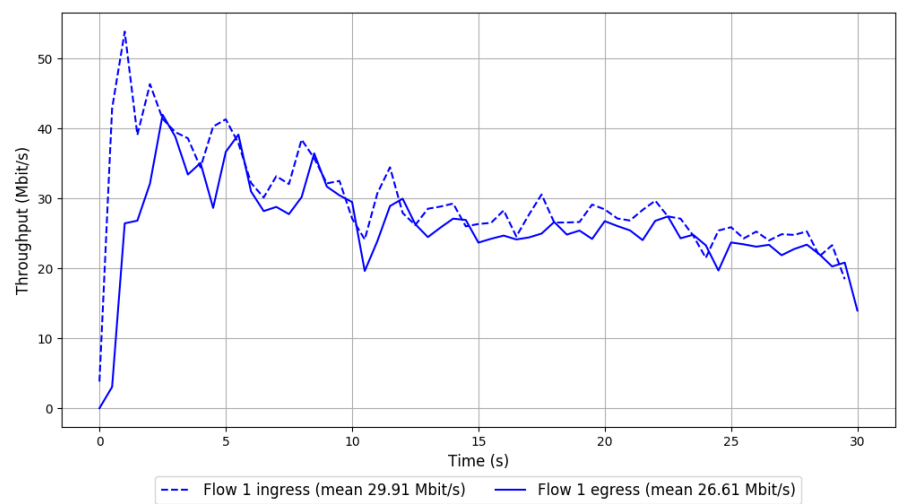
-- Flow 1:

Average throughput: 26.61 Mbit/s

95th percentile per-packet one-way delay: 70.963 ms

Loss rate: 11.34%

Run 2: Report of Indigo — Data Link

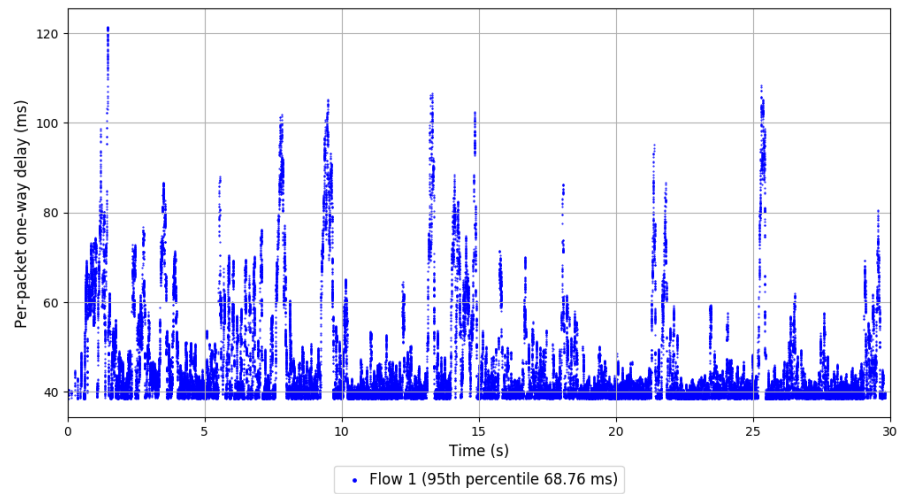
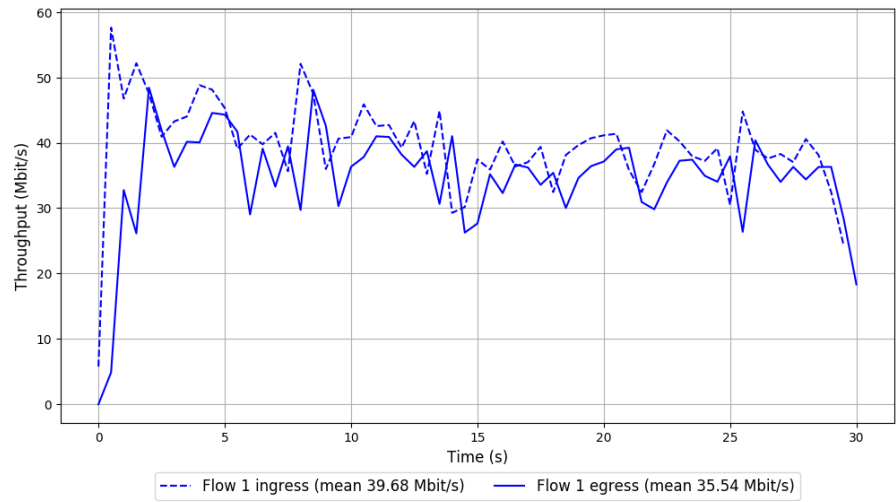


Run 3: Statistics of Indigo

Start at: 2018-06-30 07:38:05
End at: 2018-06-30 07:38:35
Local clock offset: -2.546 ms
Remote clock offset: -9.805 ms

Below is generated by plot.py at 2018-06-30 11:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 68.757 ms
Loss rate: 10.74%
-- Flow 1:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 68.757 ms
Loss rate: 10.74%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-30 08:07:13

End at: 2018-06-30 08:07:43

Local clock offset: 5.15 ms

Remote clock offset: -8.82 ms

Below is generated by plot.py at 2018-06-30 11:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 10.03%

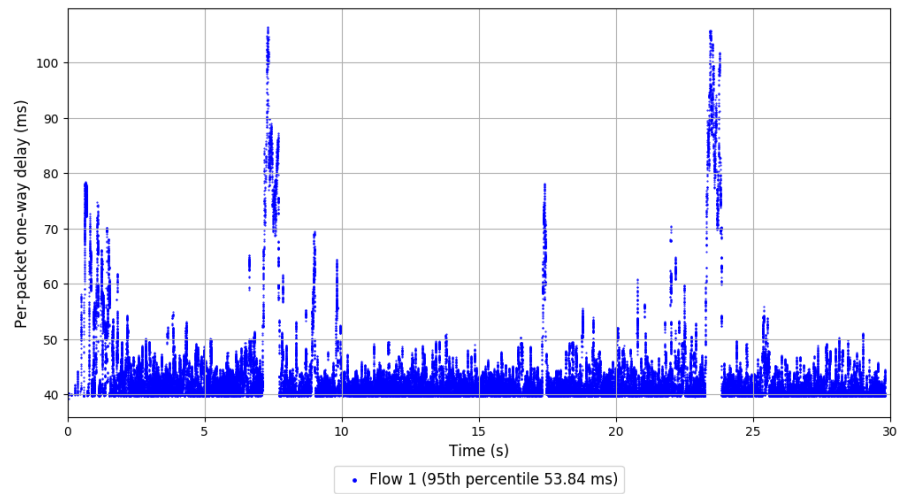
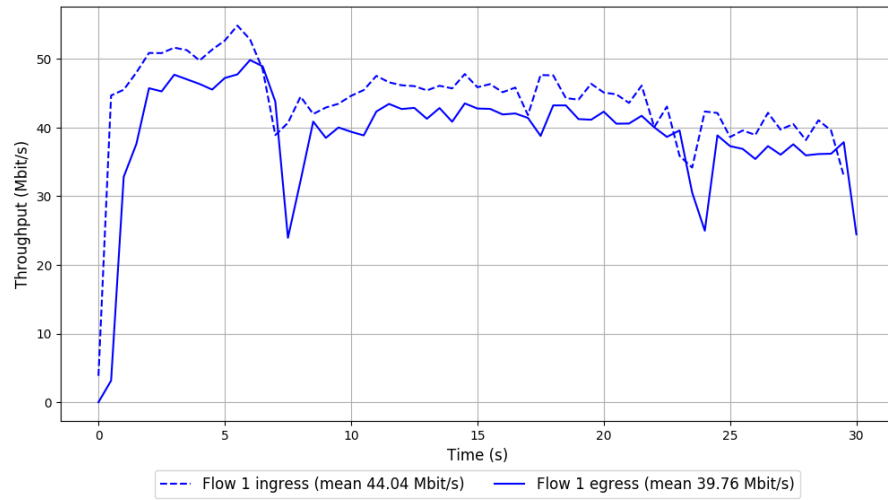
-- Flow 1:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 10.03%

Run 4: Report of Indigo — Data Link

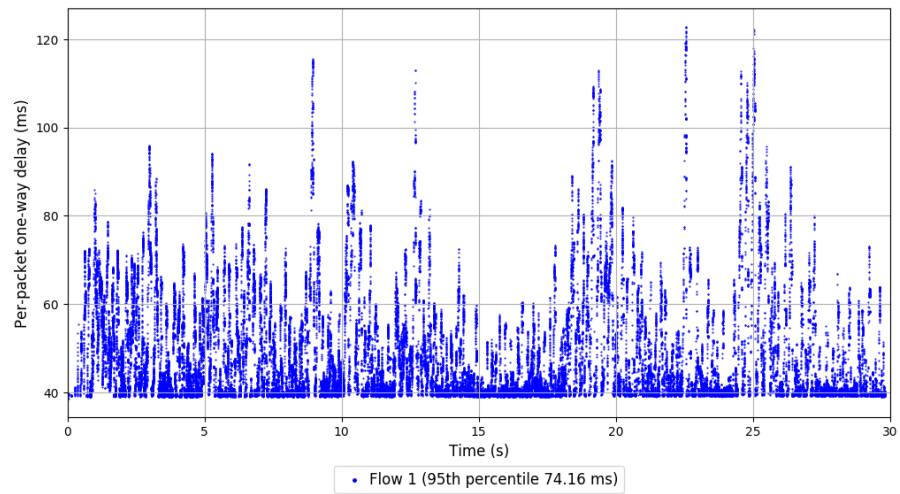
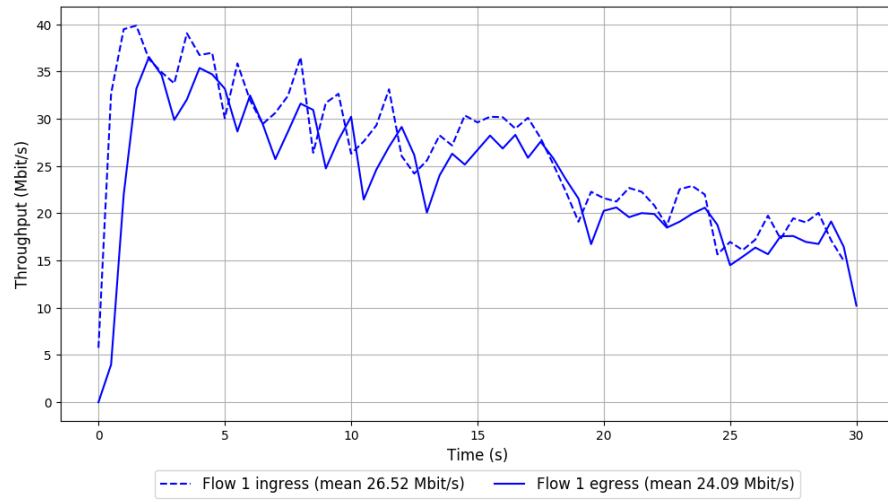


Run 5: Statistics of Indigo

Start at: 2018-06-30 08:36:25
End at: 2018-06-30 08:36:55
Local clock offset: -3.551 ms
Remote clock offset: -9.327 ms

Below is generated by plot.py at 2018-06-30 11:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 74.164 ms
Loss rate: 9.50%
-- Flow 1:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 74.164 ms
Loss rate: 9.50%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-30 09:04:51

End at: 2018-06-30 09:05:21

Local clock offset: 1.003 ms

Remote clock offset: -10.416 ms

Below is generated by plot.py at 2018-06-30 11:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 67.384 ms

Loss rate: 9.15%

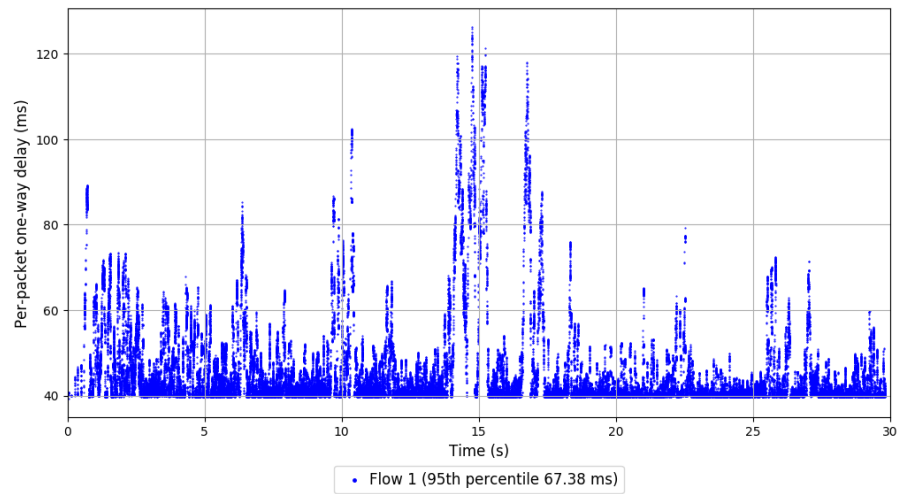
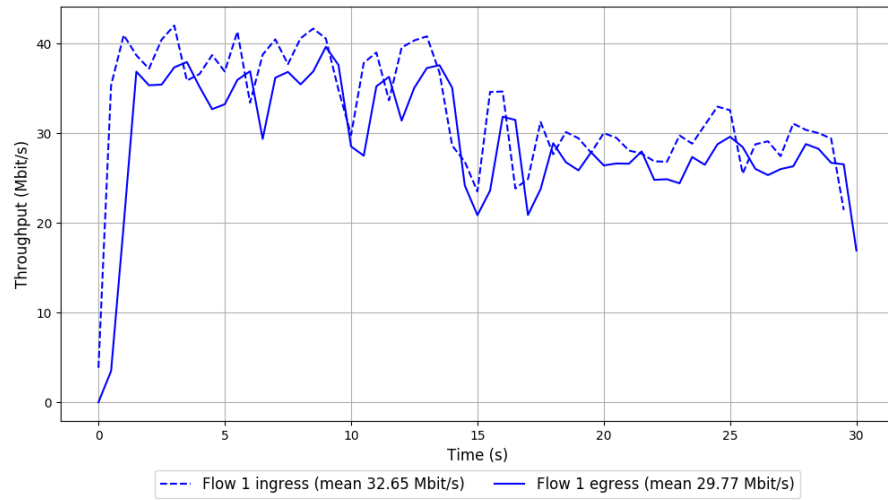
-- Flow 1:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 67.384 ms

Loss rate: 9.15%

Run 6: Report of Indigo — Data Link

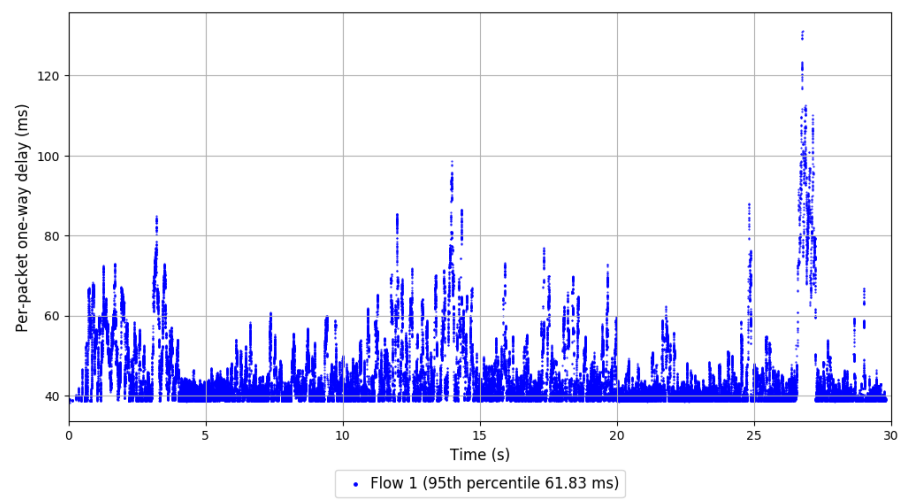
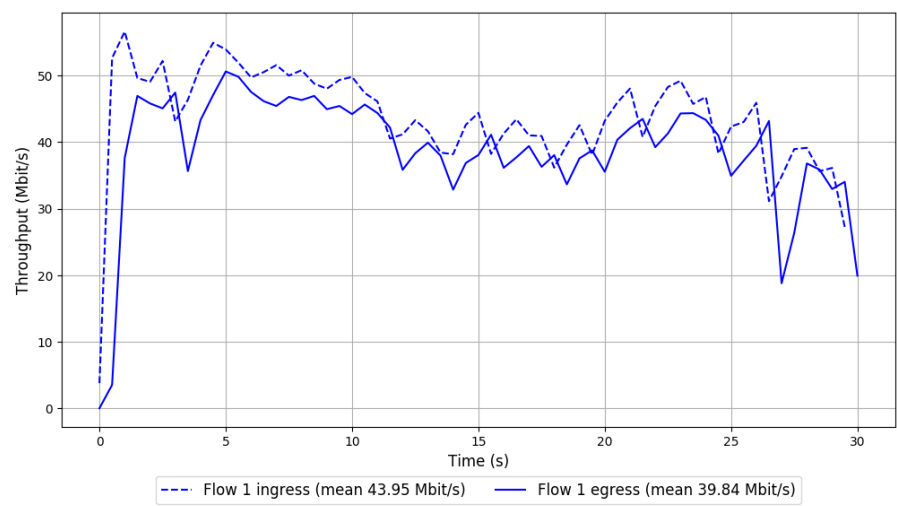


Run 7: Statistics of Indigo

Start at: 2018-06-30 09:34:34
End at: 2018-06-30 09:35:04
Local clock offset: 4.057 ms
Remote clock offset: -9.502 ms

Below is generated by plot.py at 2018-06-30 11:40:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 61.825 ms
Loss rate: 9.66%
-- Flow 1:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 61.825 ms
Loss rate: 9.66%

Run 7: Report of Indigo — Data Link

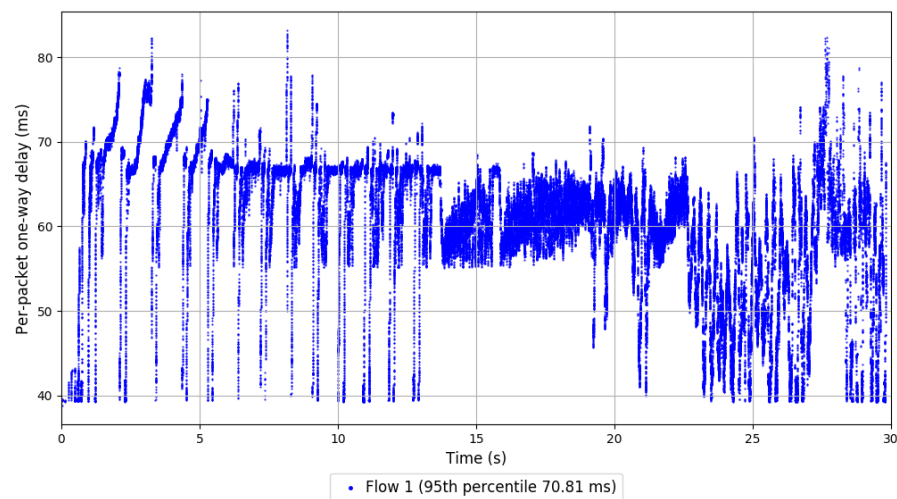
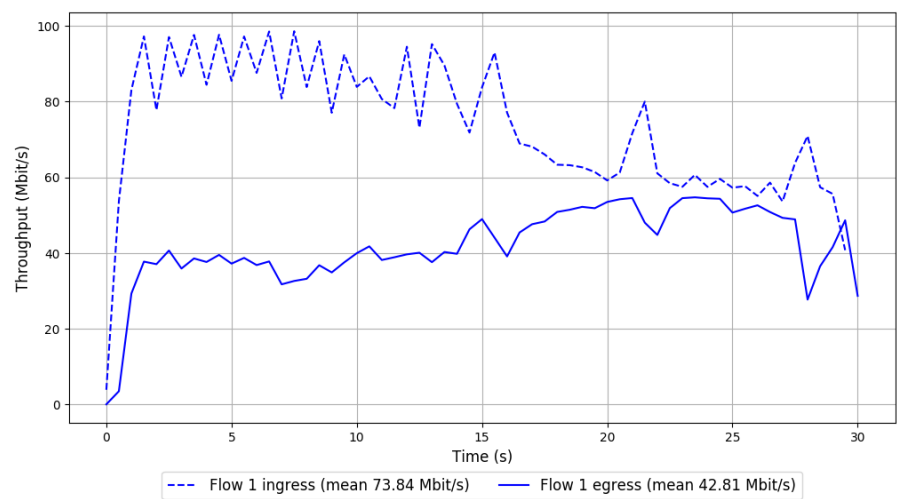


Run 8: Statistics of Indigo

Start at: 2018-06-30 10:05:05
End at: 2018-06-30 10:05:35
Local clock offset: 1.586 ms
Remote clock offset: -11.684 ms

Below is generated by plot.py at 2018-06-30 11:40:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 70.810 ms
Loss rate: 42.23%
-- Flow 1:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 70.810 ms
Loss rate: 42.23%

Run 8: Report of Indigo — Data Link

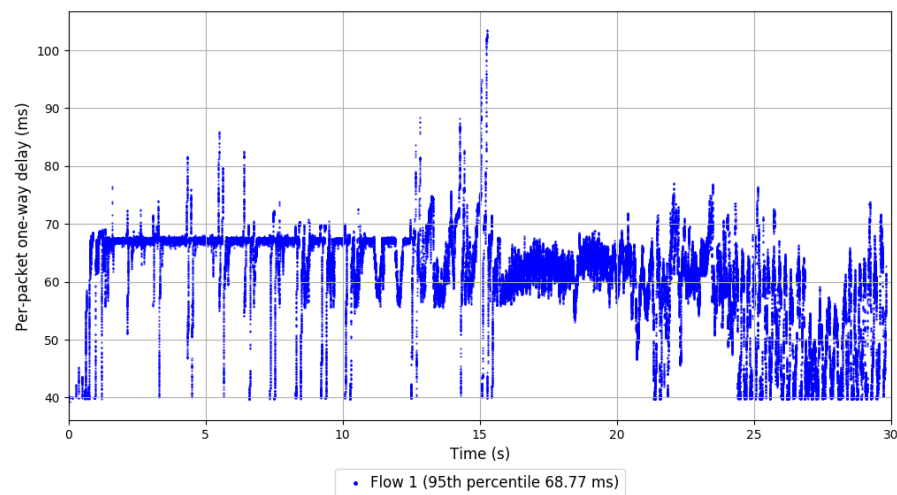
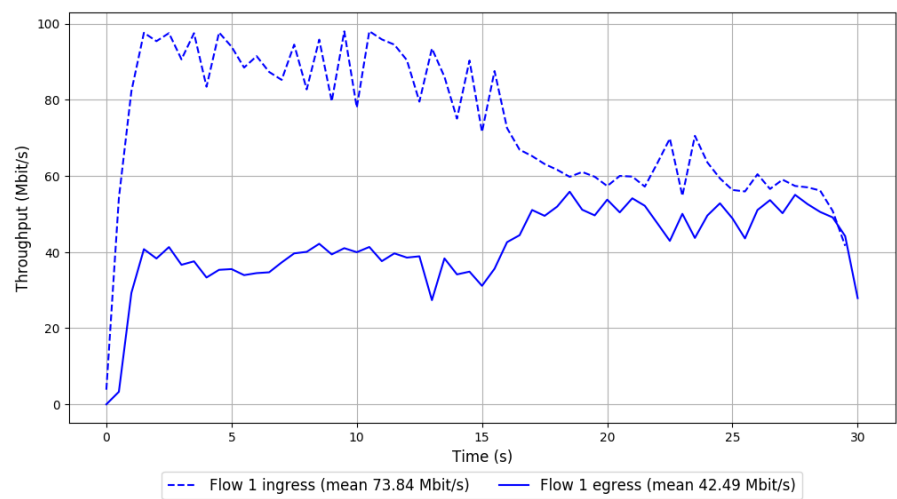


Run 9: Statistics of Indigo

Start at: 2018-06-30 10:35:27
End at: 2018-06-30 10:35:57
Local clock offset: 8.345 ms
Remote clock offset: -8.489 ms

Below is generated by plot.py at 2018-06-30 11:40:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 68.770 ms
Loss rate: 42.66%
-- Flow 1:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 68.770 ms
Loss rate: 42.66%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 11:07:59

End at: 2018-06-30 11:08:29

Local clock offset: 7.207 ms

Remote clock offset: -10.106 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 66.272 ms

Loss rate: 35.17%

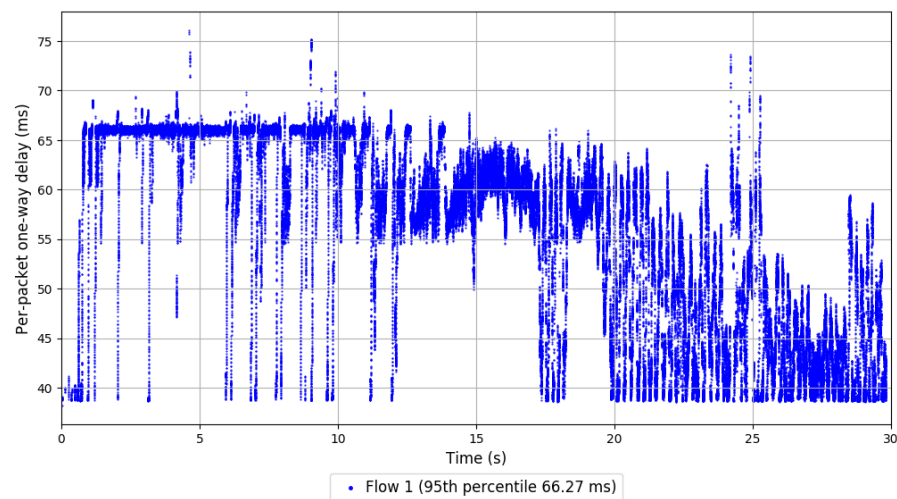
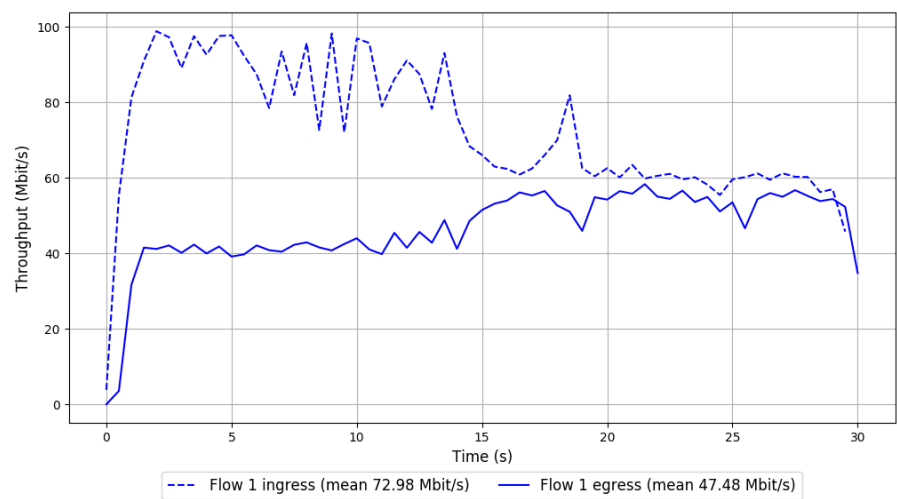
-- Flow 1:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 66.272 ms

Loss rate: 35.17%

Run 10: Report of Indigo — Data Link

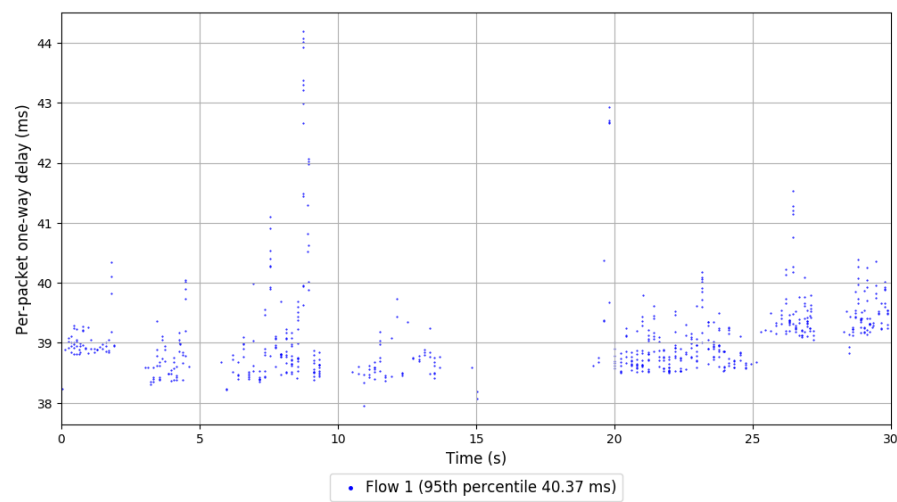
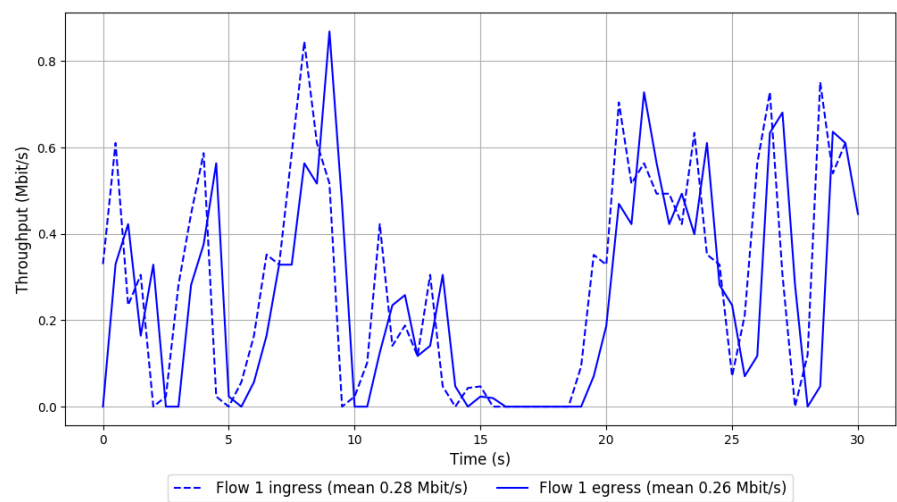


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 06:46:52
End at: 2018-06-30 06:47:22
Local clock offset: 2.459 ms
Remote clock offset: -8.993 ms

# Below is generated by plot.py at 2018-06-30 11:40:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 40.365 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 40.365 ms
Loss rate: 8.60%
```


Run 1: Report of LEDBAT — Data Link

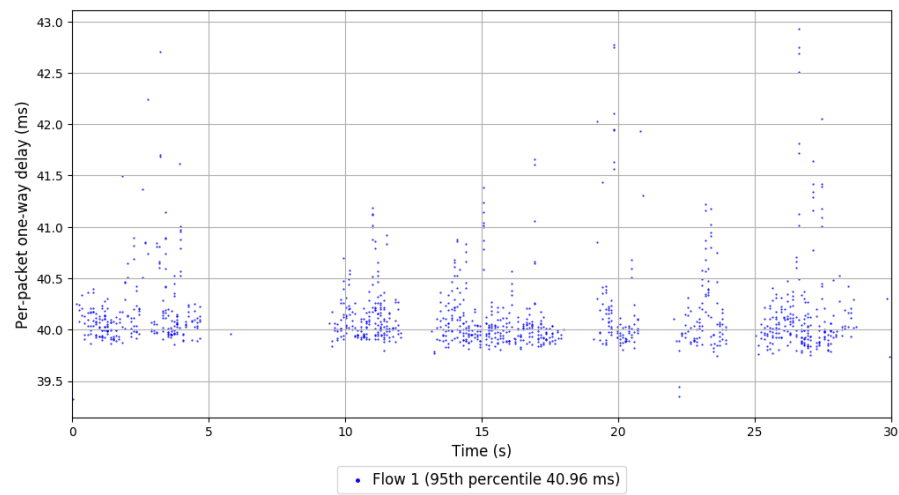
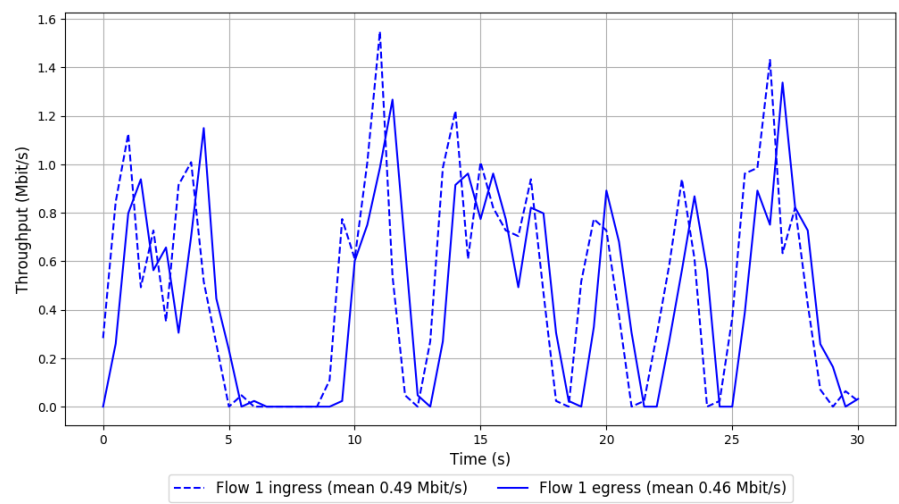


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 07:20:13
End at: 2018-06-30 07:20:43
Local clock offset: -3.705 ms
Remote clock offset: -9.237 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 40.958 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 40.958 ms
Loss rate: 7.71%

Run 2: Report of LEDBAT — Data Link

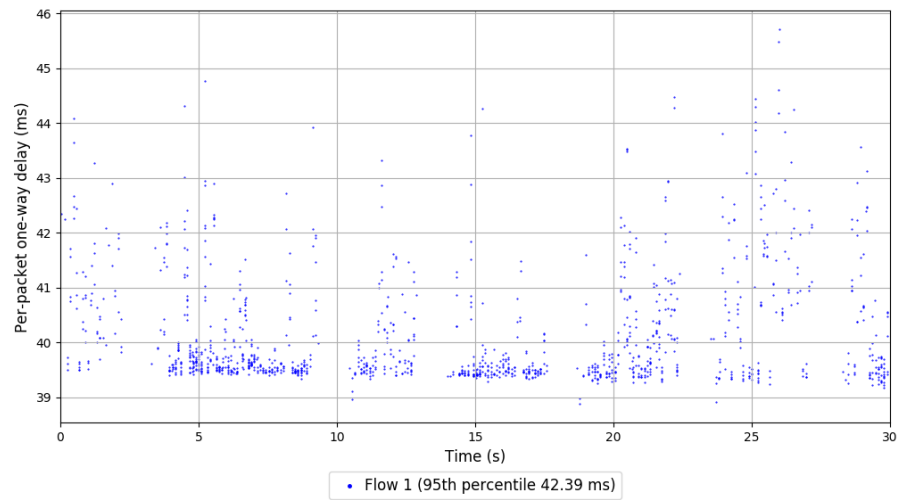
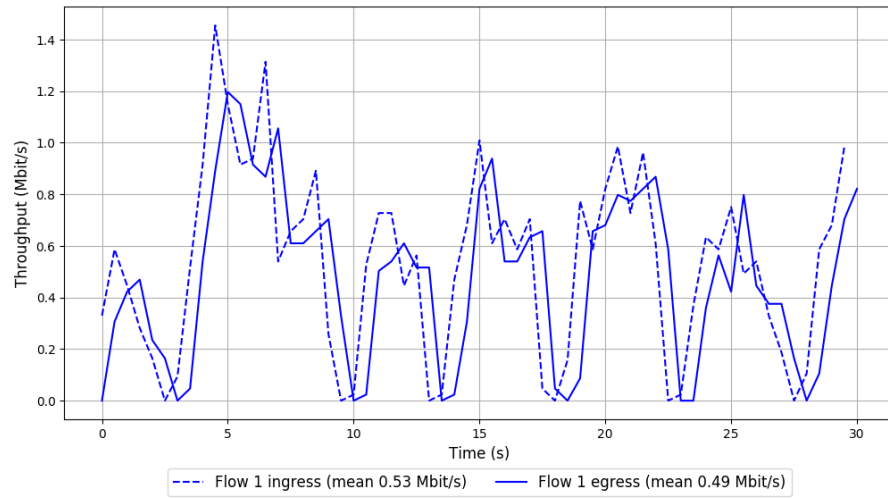


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 07:49:54
End at: 2018-06-30 07:50:24
Local clock offset: 0.362 ms
Remote clock offset: -10.367 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 42.391 ms
Loss rate: 8.34%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 42.391 ms
Loss rate: 8.34%

Run 3: Report of LEDBAT — Data Link

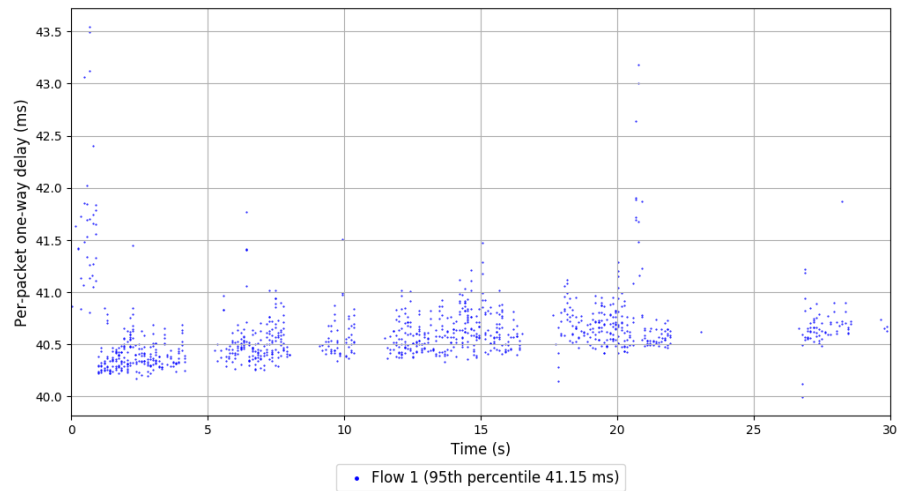
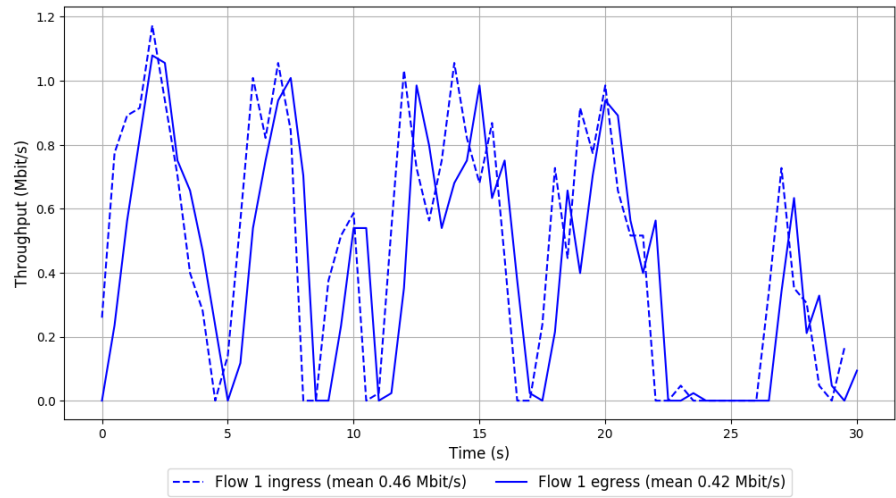


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 08:19:52
End at: 2018-06-30 08:20:22
Local clock offset: 2.183 ms
Remote clock offset: -8.212 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.149 ms
Loss rate: 8.61%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.149 ms
Loss rate: 8.61%

Run 4: Report of LEDBAT — Data Link

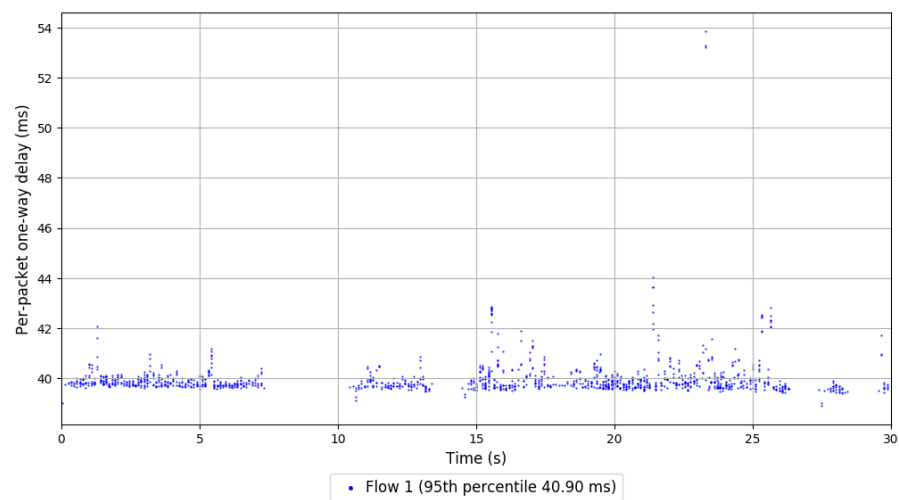
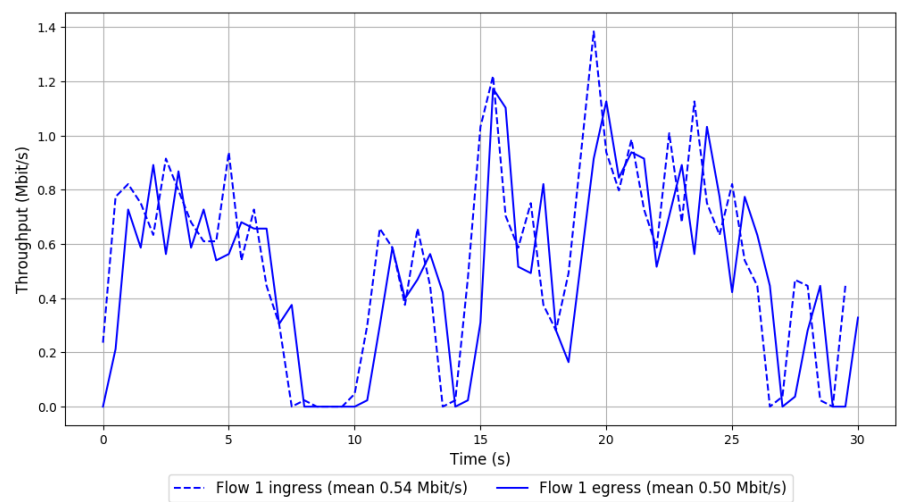


Run 5: Statistics of LEDBAT

Start at: 2018-06-30 08:47:26
End at: 2018-06-30 08:47:56
Local clock offset: -3.49 ms
Remote clock offset: -10.138 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 40.901 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 40.901 ms
Loss rate: 8.85%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-30 09:15:59

End at: 2018-06-30 09:16:29

Local clock offset: 1.686 ms

Remote clock offset: -9.75 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 40.286 ms

Loss rate: 8.53%

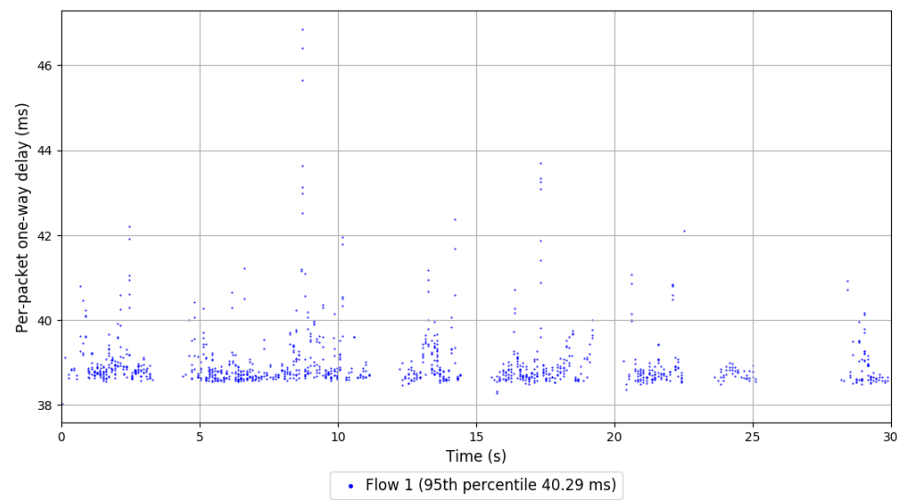
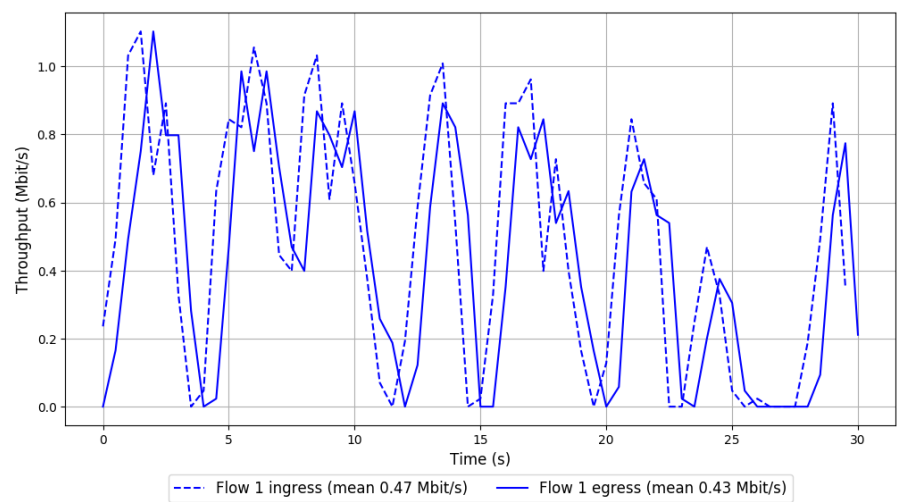
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 40.286 ms

Loss rate: 8.53%

Run 6: Report of LEDBAT — Data Link

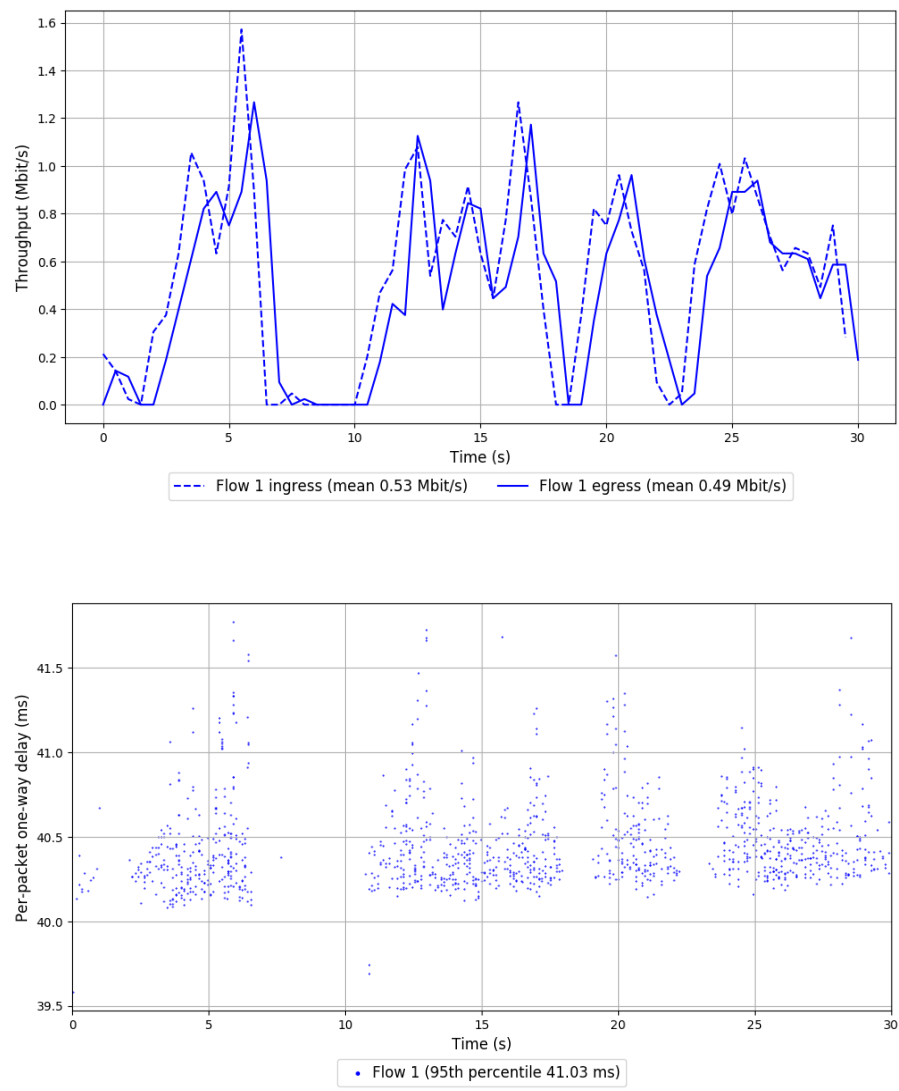


Run 7: Statistics of LEDBAT

Start at: 2018-06-30 09:46:53
End at: 2018-06-30 09:47:23
Local clock offset: 4.145 ms
Remote clock offset: -11.141 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 41.028 ms
Loss rate: 8.90%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 41.028 ms
Loss rate: 8.90%

Run 7: Report of LEDBAT — Data Link

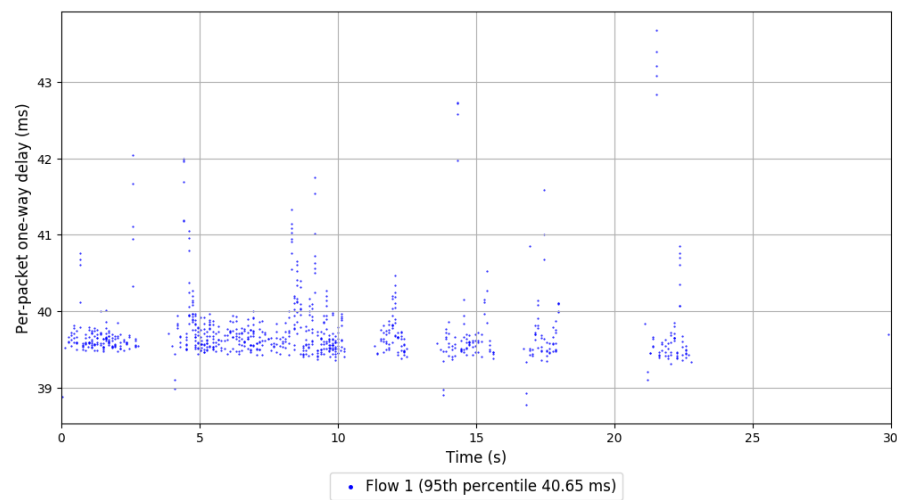
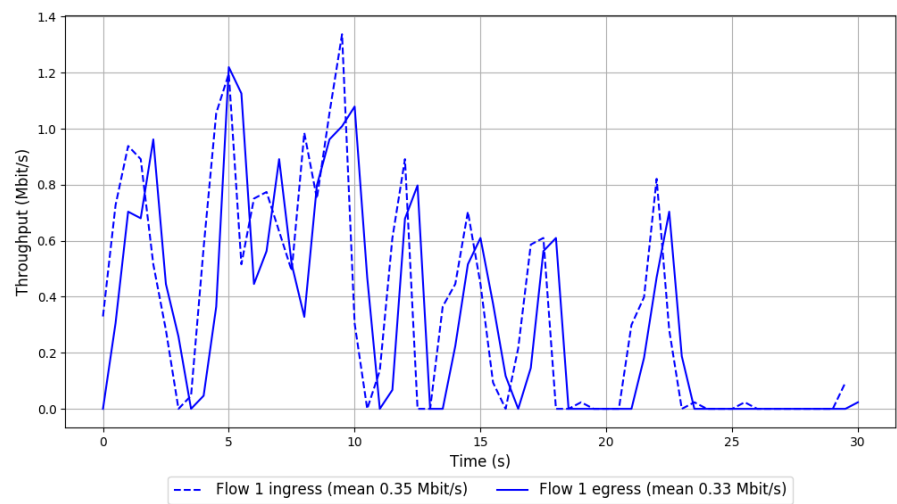


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 10:18:02
End at: 2018-06-30 10:18:32
Local clock offset: 3.216 ms
Remote clock offset: -10.294 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.654 ms
Loss rate: 8.40%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.654 ms
Loss rate: 8.40%

Run 8: Report of LEDBAT — Data Link

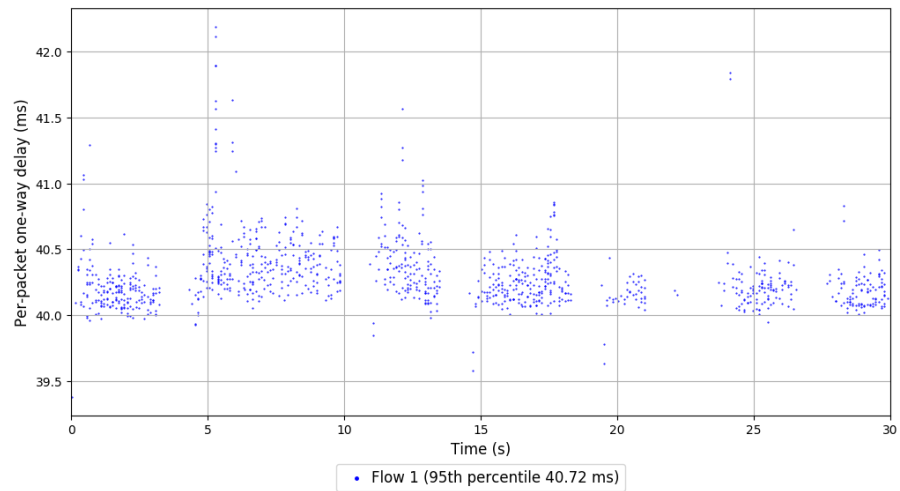
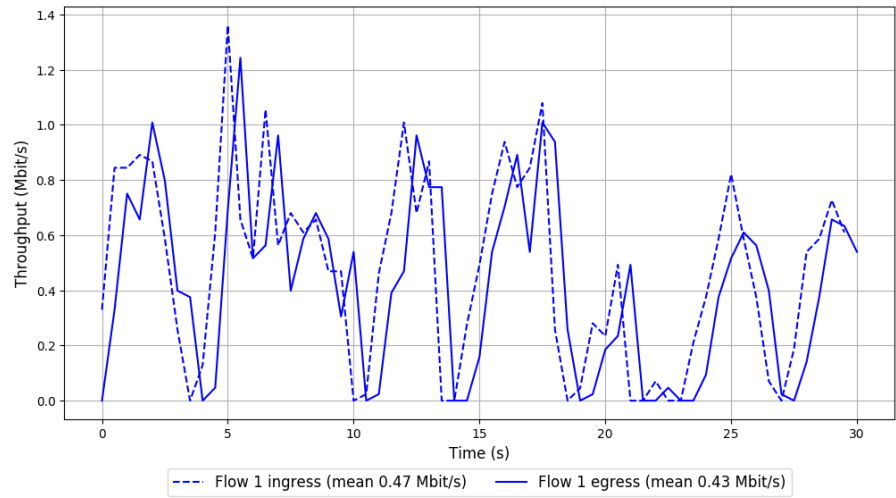


Run 9: Statistics of LEDBAT

Start at: 2018-06-30 10:48:44
End at: 2018-06-30 10:49:14
Local clock offset: 8.629 ms
Remote clock offset: -8.739 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.720 ms
Loss rate: 9.02%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.720 ms
Loss rate: 9.02%

Run 9: Report of LEDBAT — Data Link

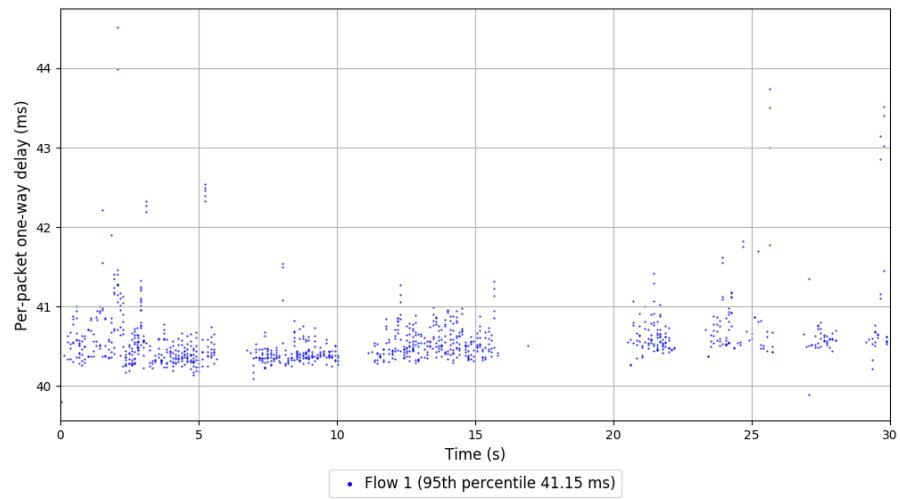
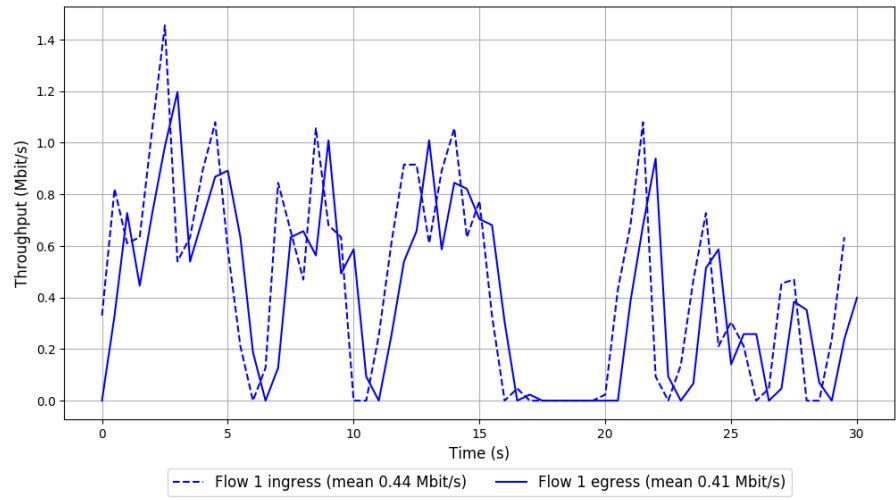


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 11:21:55
End at: 2018-06-30 11:22:25
Local clock offset: 3.973 ms
Remote clock offset: -9.863 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 41.153 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 41.153 ms
Loss rate: 8.75%

Run 10: Report of LEDBAT — Data Link

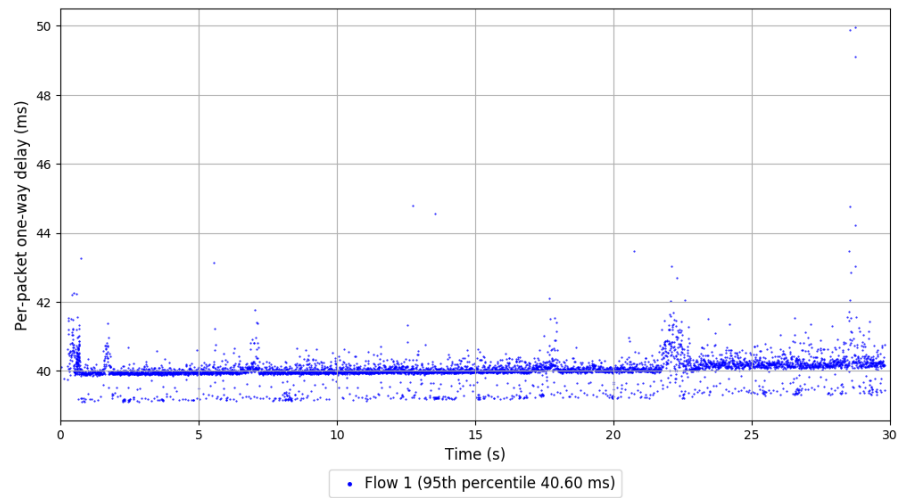
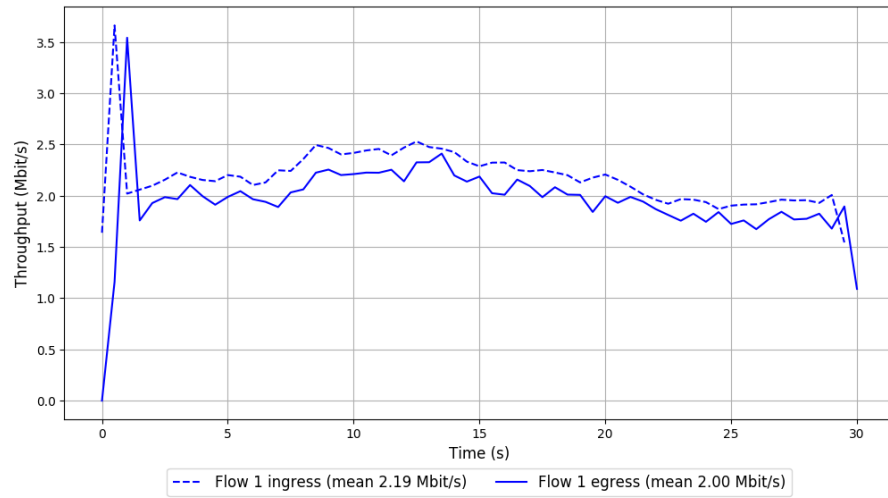


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 06:56:16
End at: 2018-06-30 06:56:46
Local clock offset: -2.087 ms
Remote clock offset: -9.26 ms

# Below is generated by plot.py at 2018-06-30 11:40:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 40.596 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 40.596 ms
Loss rate: 8.97%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 07:29:38

End at: 2018-06-30 07:30:08

Local clock offset: -2.752 ms

Remote clock offset: -10.186 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 39.965 ms

Loss rate: 7.79%

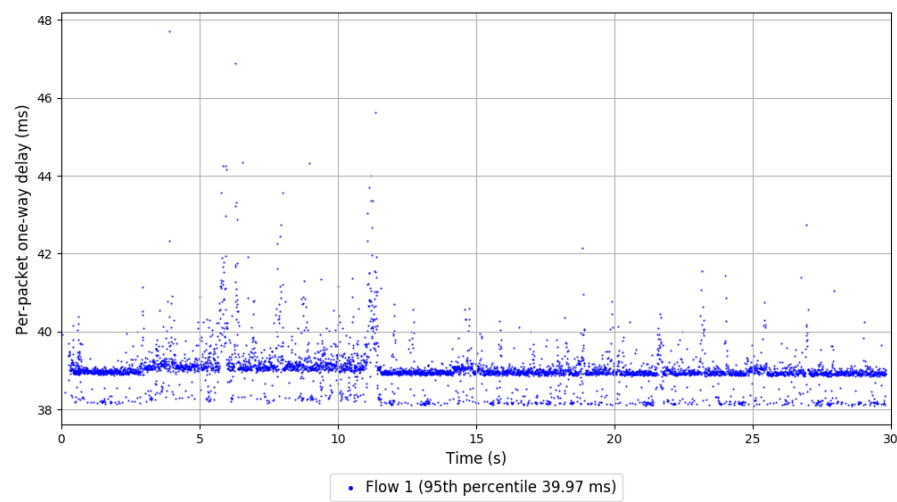
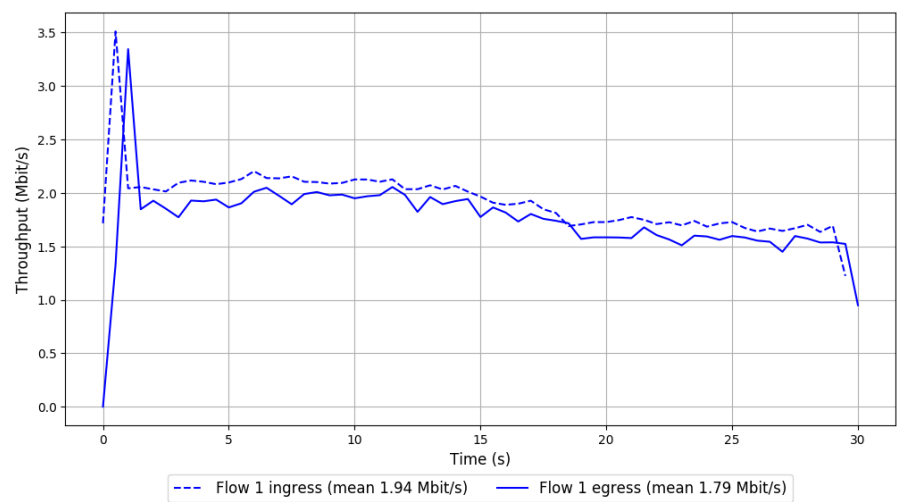
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 39.965 ms

Loss rate: 7.79%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 07:58:46

End at: 2018-06-30 07:59:16

Local clock offset: 3.418 ms

Remote clock offset: -9.739 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 40.409 ms

Loss rate: 8.07%

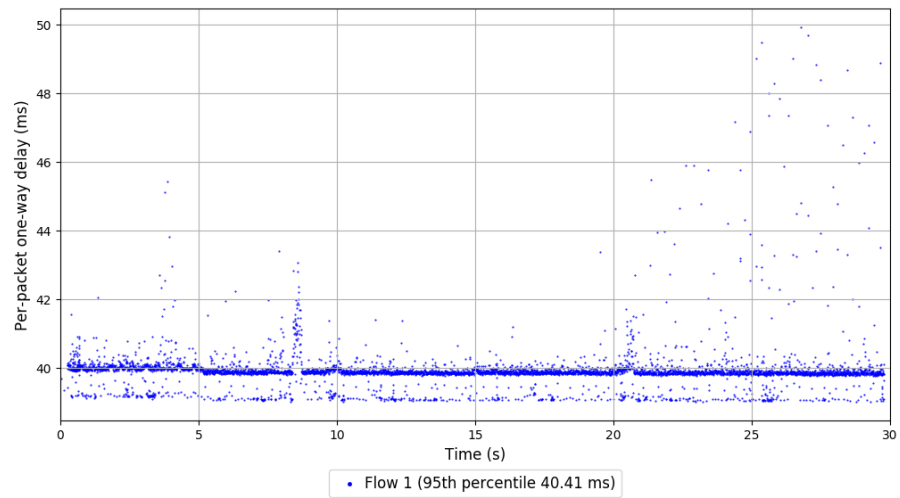
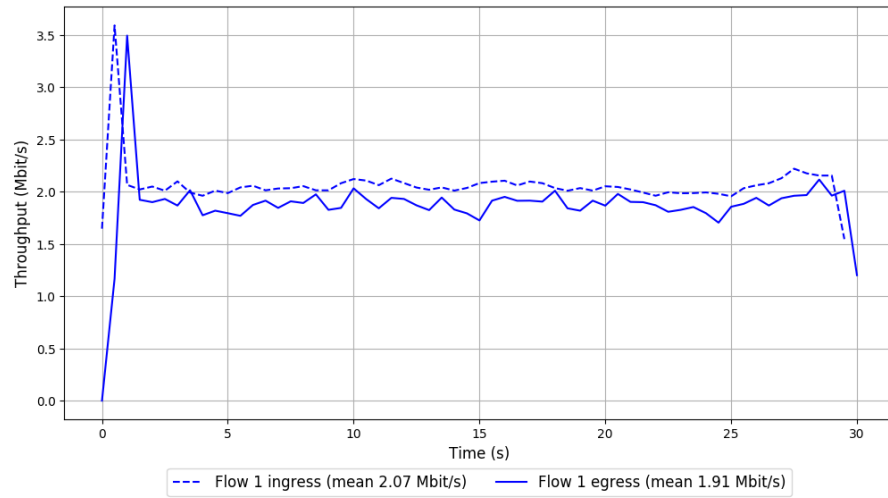
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 40.409 ms

Loss rate: 8.07%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 08:29:27

End at: 2018-06-30 08:29:57

Local clock offset: -2.13 ms

Remote clock offset: -7.693 ms

Run 4: Report of PCC-Allegro — Data Link

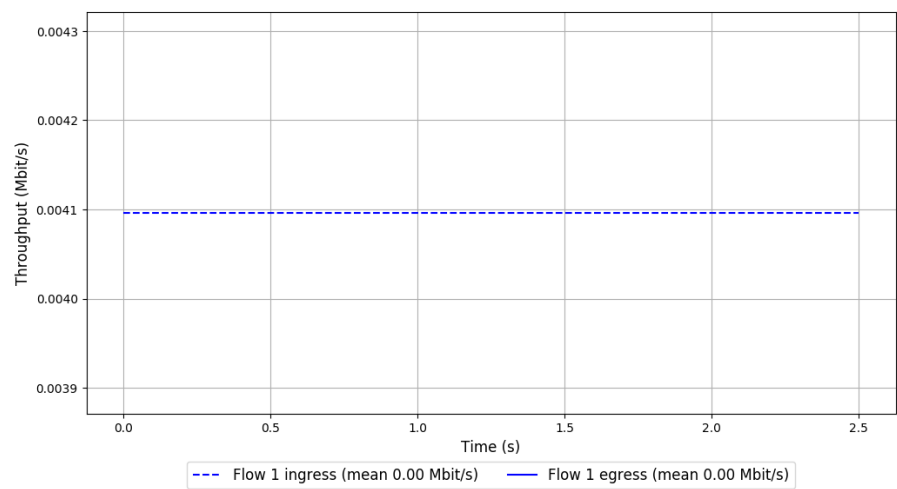


Figure is missing

Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 08:56:30

End at: 2018-06-30 08:57:00

Local clock offset: -0.23 ms

Remote clock offset: -10.339 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 40.457 ms

Loss rate: 8.09%

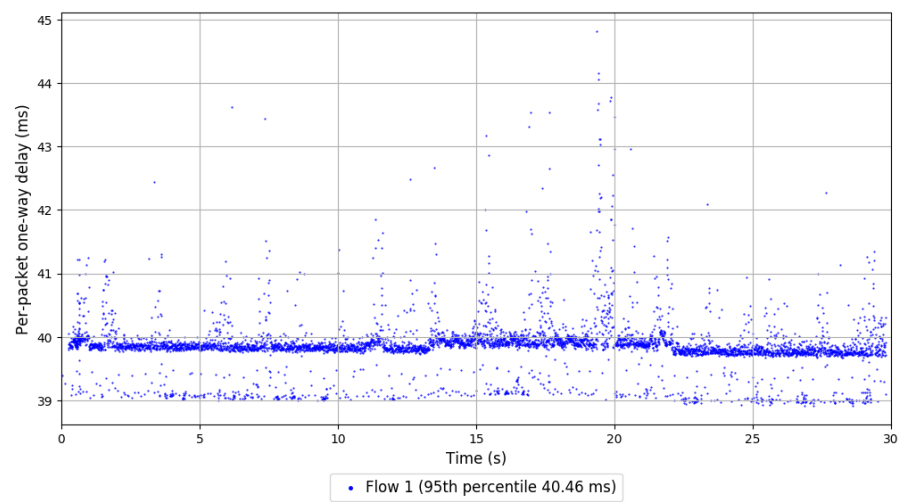
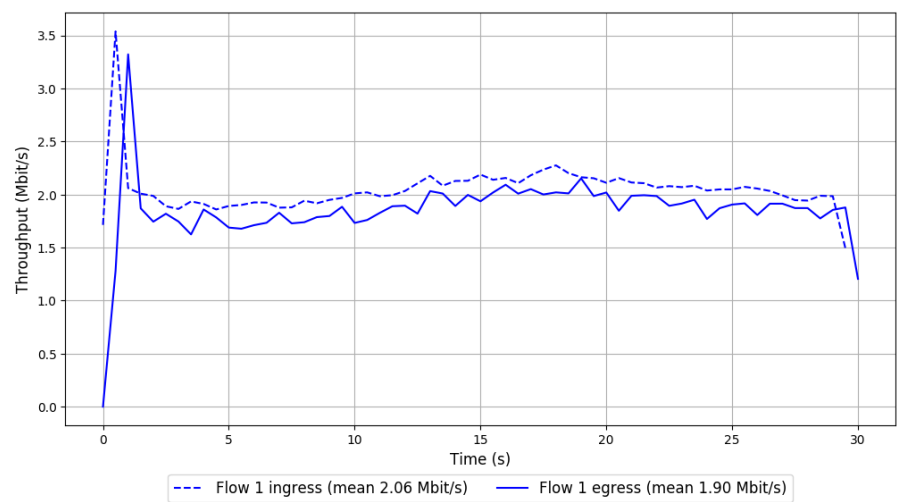
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 40.457 ms

Loss rate: 8.09%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 09:25:58

End at: 2018-06-30 09:26:28

Local clock offset: 3.157 ms

Remote clock offset: -9.947 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 38.958 ms

Loss rate: 8.64%

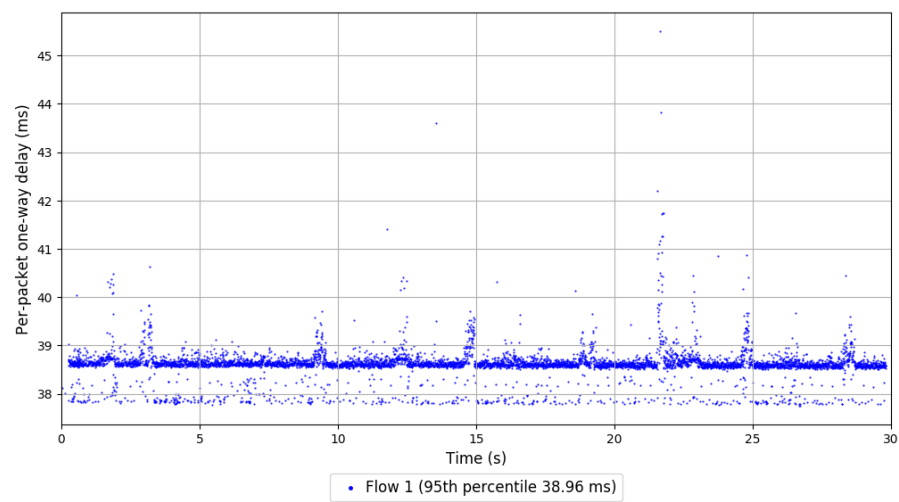
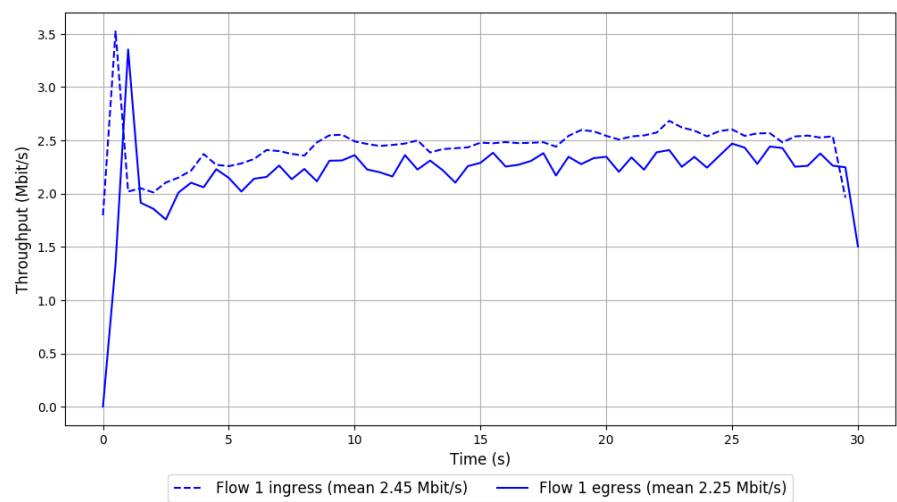
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 38.958 ms

Loss rate: 8.64%

Run 6: Report of PCC-Allegro — Data Link

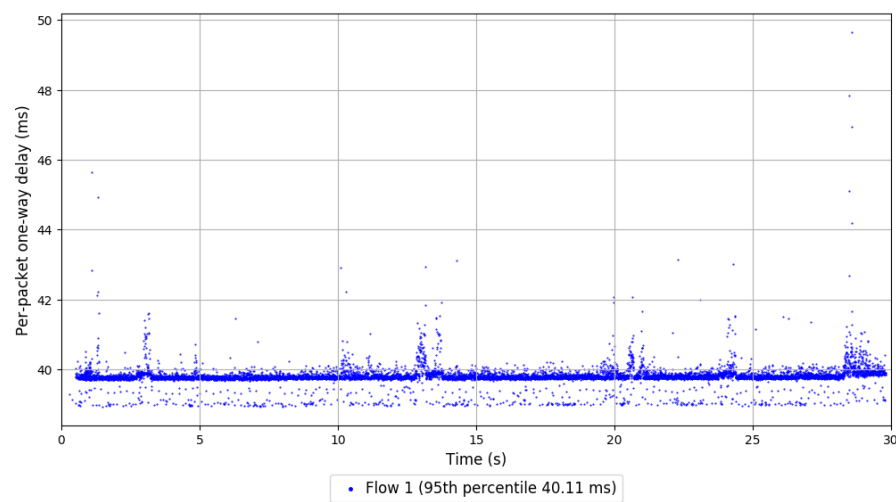
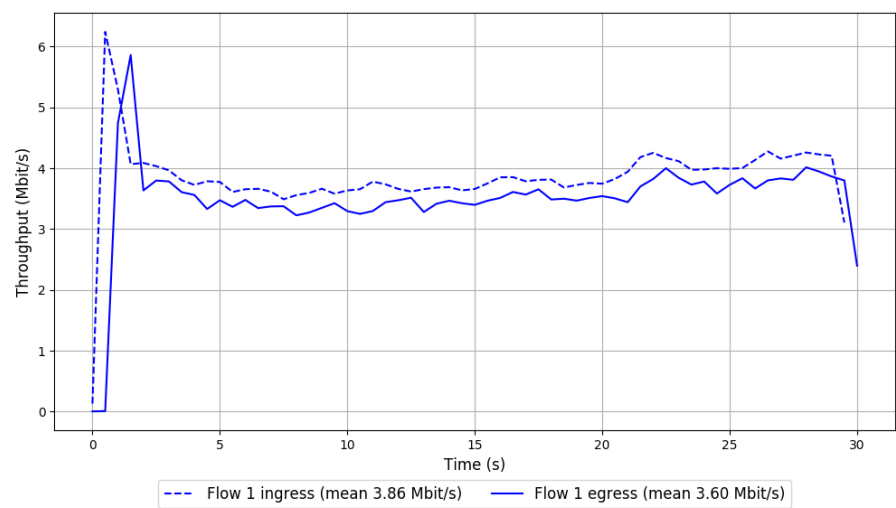


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 09:56:15
End at: 2018-06-30 09:56:45
Local clock offset: 2.29 ms
Remote clock offset: -11.686 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 40.110 ms
Loss rate: 7.75%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 40.110 ms
Loss rate: 7.75%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 10:27:08

End at: 2018-06-30 10:27:38

Local clock offset: 6.697 ms

Remote clock offset: -8.972 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 40.001 ms

Loss rate: 7.81%

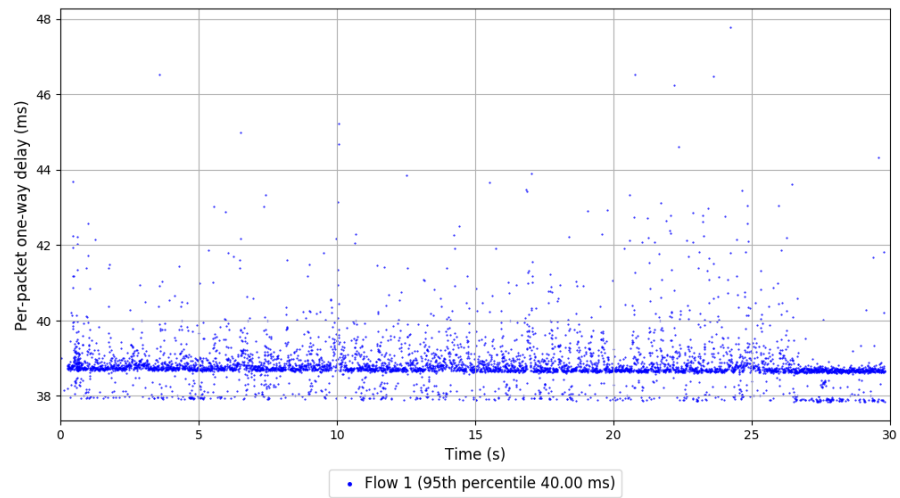
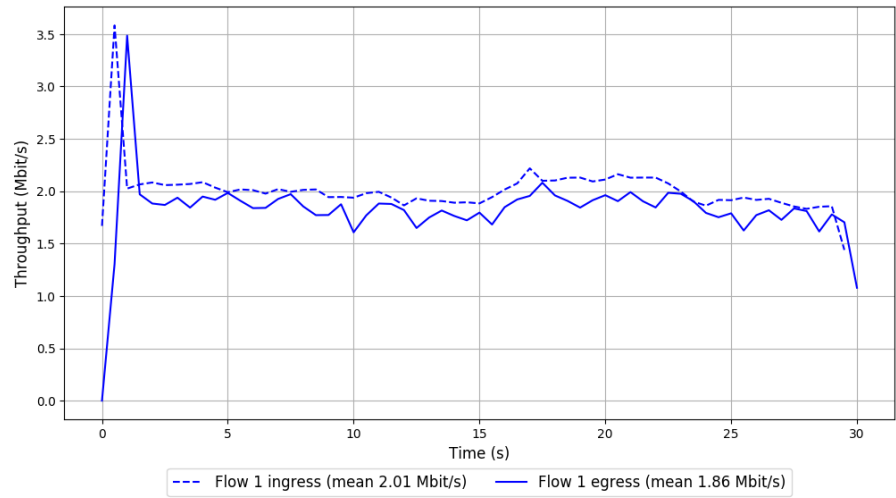
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 40.001 ms

Loss rate: 7.81%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 10:58:56

End at: 2018-06-30 10:59:26

Local clock offset: 7.251 ms

Remote clock offset: -9.841 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 38.753 ms

Loss rate: 9.06%

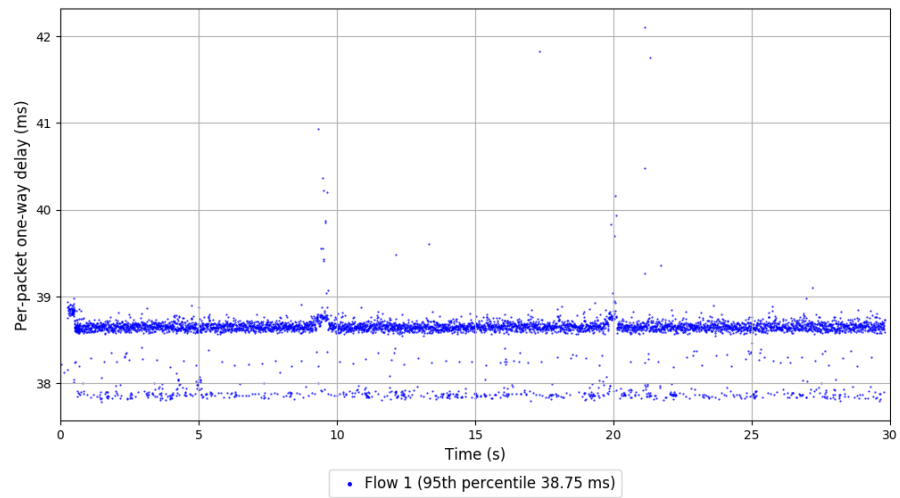
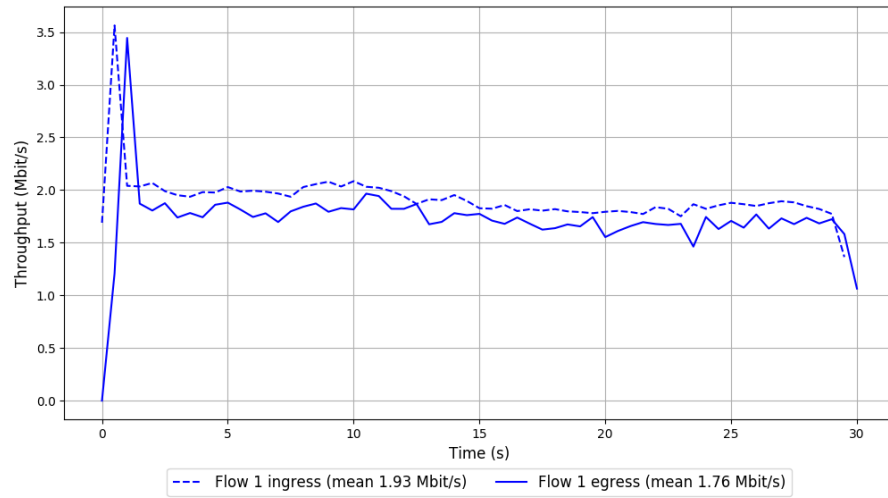
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 38.753 ms

Loss rate: 9.06%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 11:31:46

End at: 2018-06-30 11:32:16

Local clock offset: 1.428 ms

Remote clock offset: -8.63 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 40.008 ms

Loss rate: 7.99%

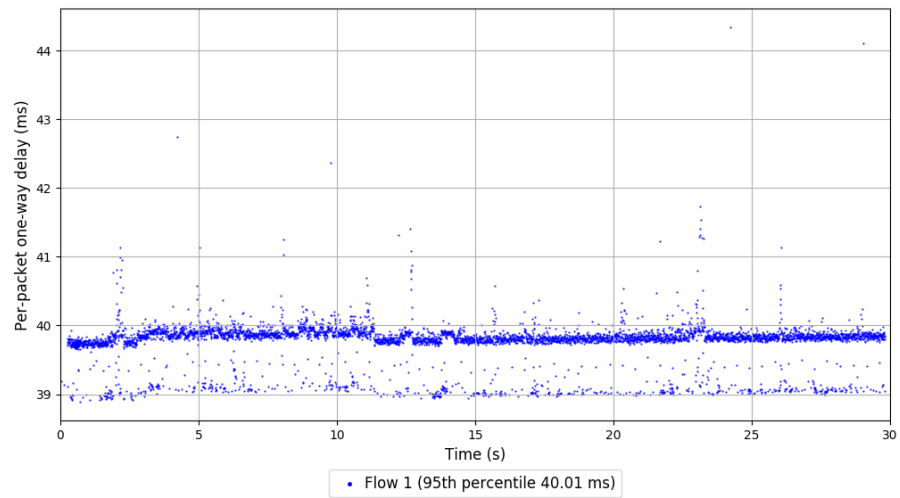
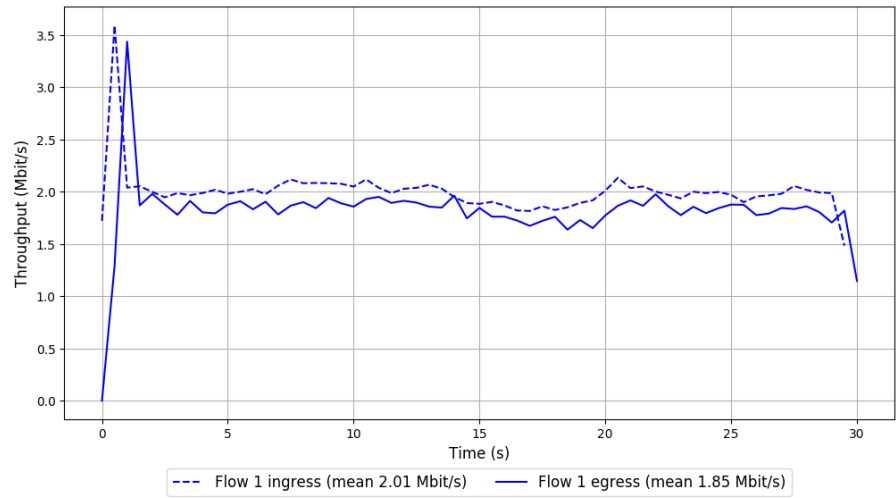
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 40.008 ms

Loss rate: 7.99%

Run 10: Report of PCC-Allegro — Data Link

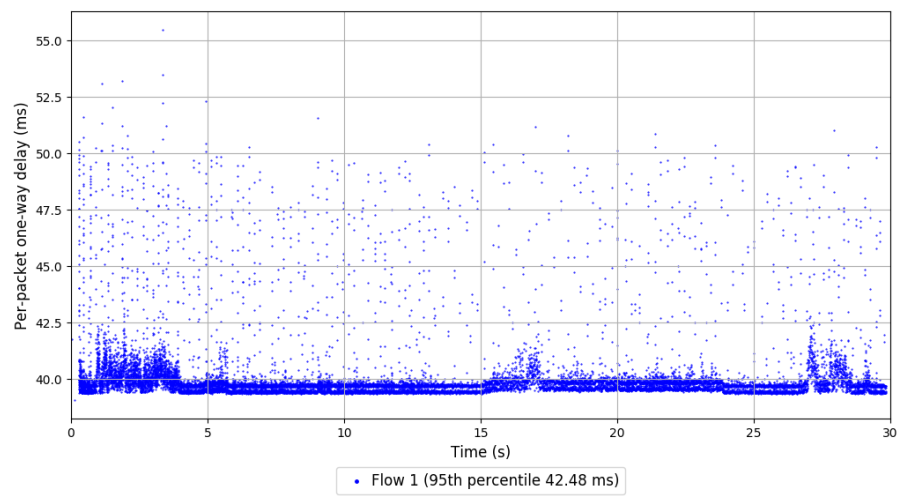
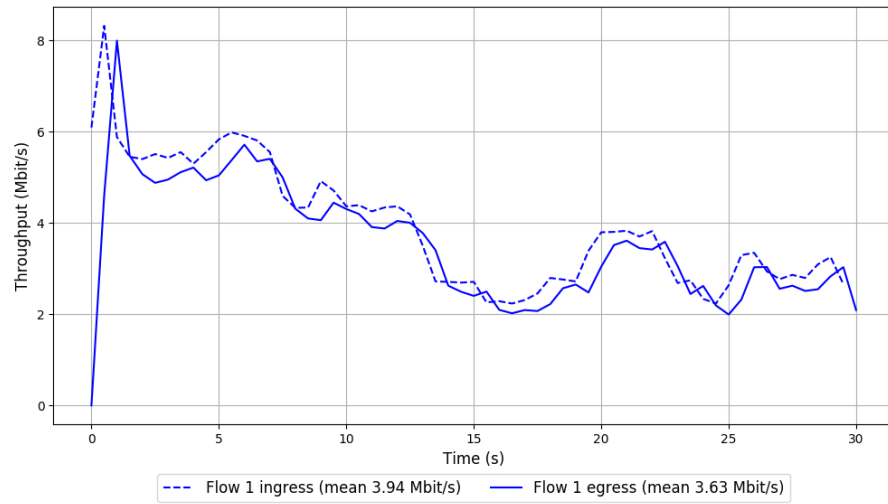


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 06:39:24
End at: 2018-06-30 06:39:54
Local clock offset: 3.17 ms
Remote clock offset: -9.373 ms

# Below is generated by plot.py at 2018-06-30 11:40:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 42.484 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 42.484 ms
Loss rate: 8.26%
```


Run 1: Report of PCC-Expr — Data Link

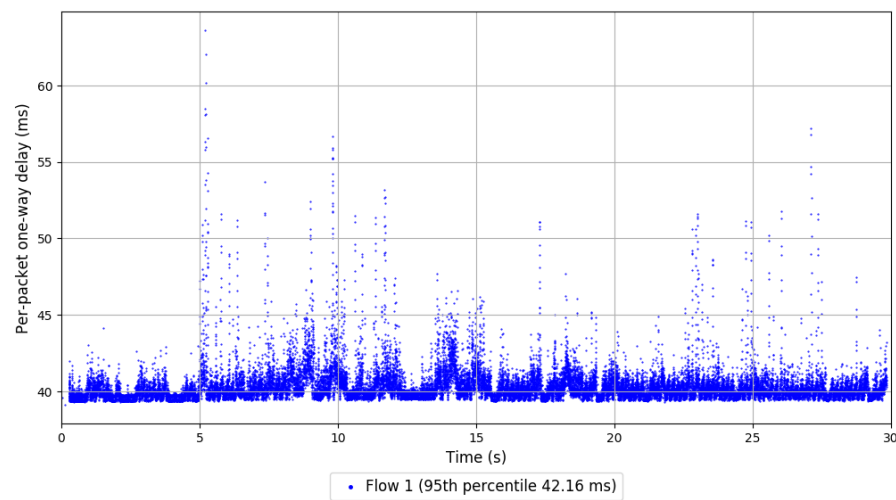
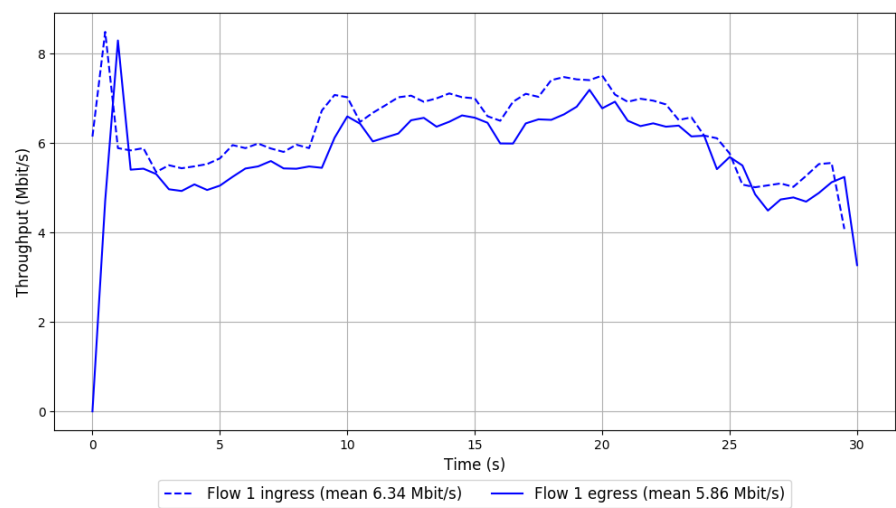


Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 07:12:35
End at: 2018-06-30 07:13:05
Local clock offset: -4.729 ms
Remote clock offset: -9.276 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 42.163 ms
Loss rate: 7.88%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 42.163 ms
Loss rate: 7.88%

Run 2: Report of PCC-Expr — Data Link

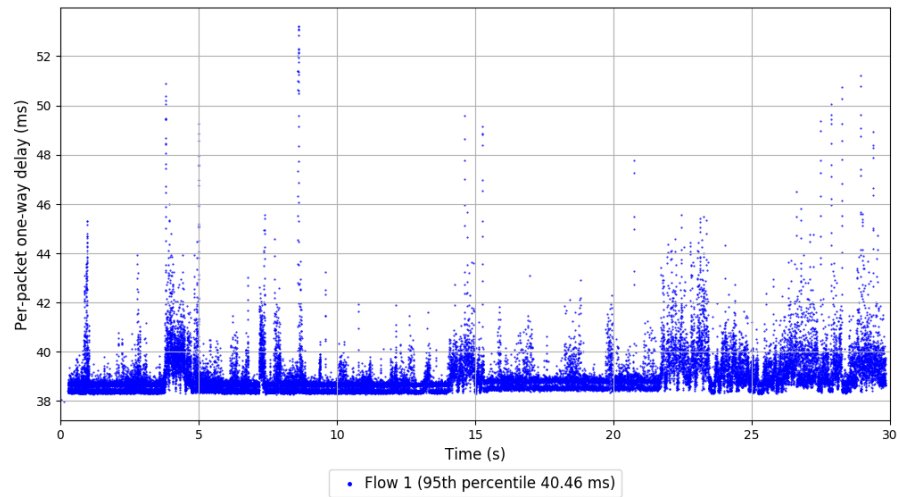
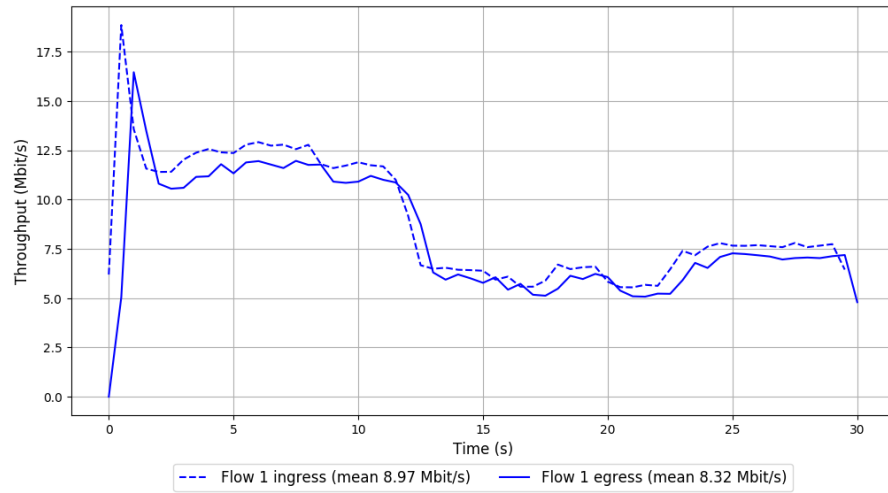


Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 07:42:26
End at: 2018-06-30 07:42:56
Local clock offset: -2.519 ms
Remote clock offset: -9.806 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 40.460 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 40.460 ms
Loss rate: 7.58%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 08:11:43

End at: 2018-06-30 08:12:13

Local clock offset: 5.413 ms

Remote clock offset: -8.438 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.27 Mbit/s

95th percentile per-packet one-way delay: 39.873 ms

Loss rate: 7.65%

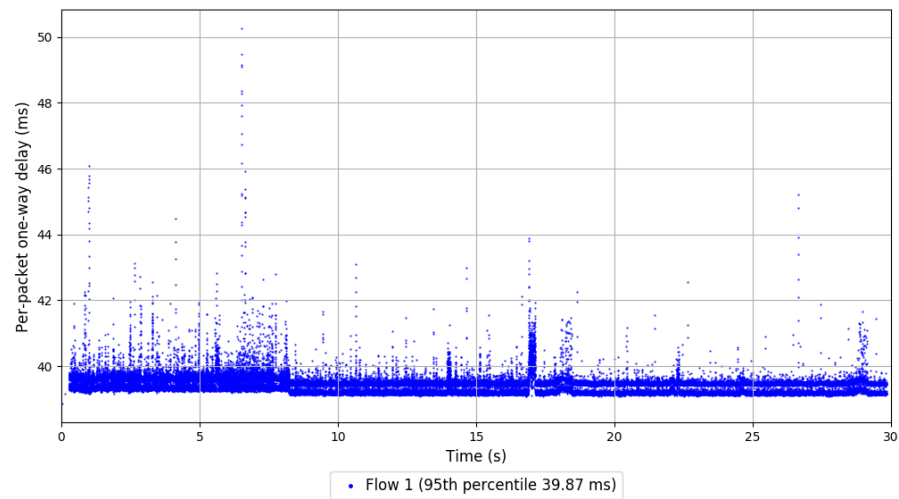
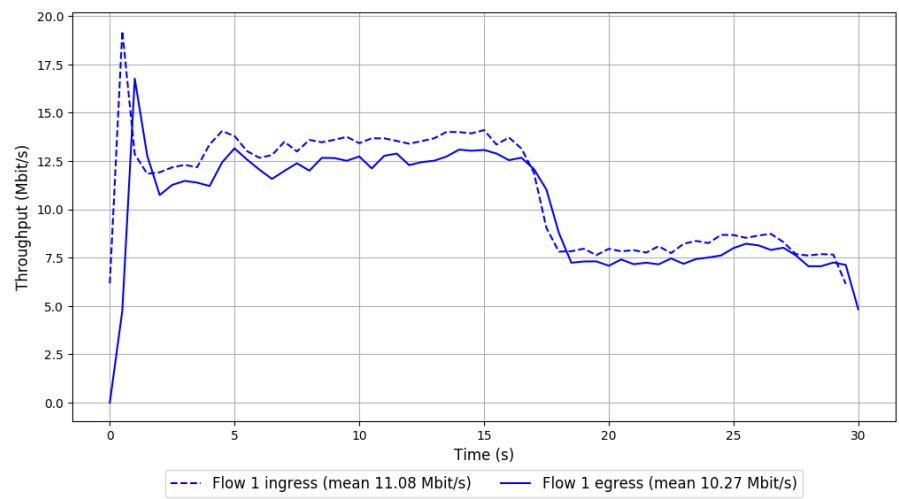
-- Flow 1:

Average throughput: 10.27 Mbit/s

95th percentile per-packet one-way delay: 39.873 ms

Loss rate: 7.65%

Run 4: Report of PCC-Expr — Data Link

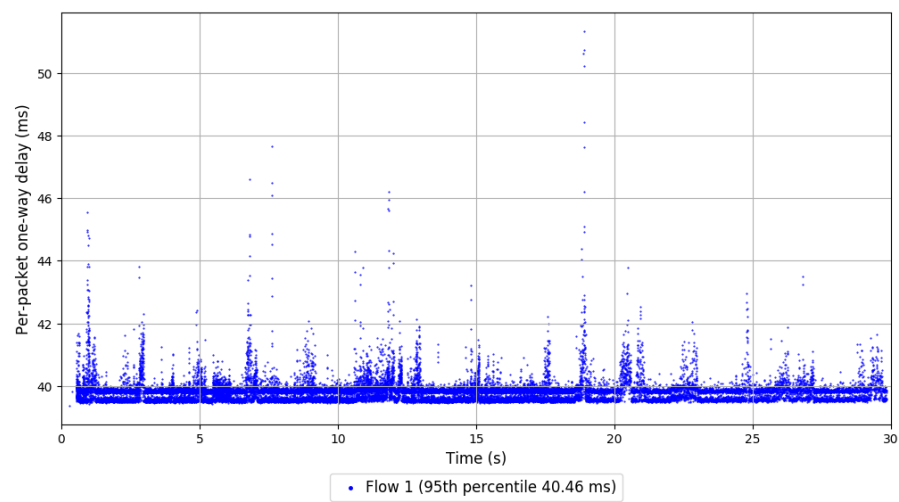
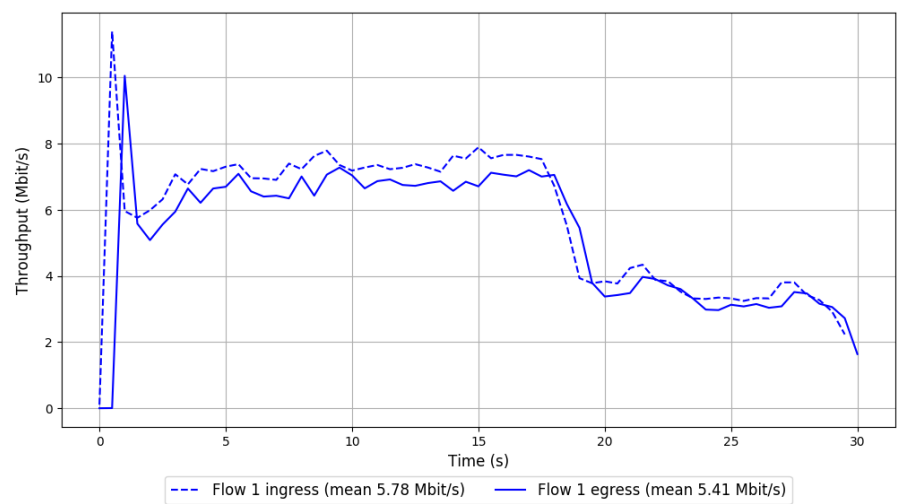


Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 08:40:11
End at: 2018-06-30 08:40:41
Local clock offset: -3.923 ms
Remote clock offset: -9.552 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 40.459 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 40.459 ms
Loss rate: 7.66%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 09:08:55

End at: 2018-06-30 09:09:25

Local clock offset: 1.261 ms

Remote clock offset: -9.87 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 40.565 ms

Loss rate: 7.77%

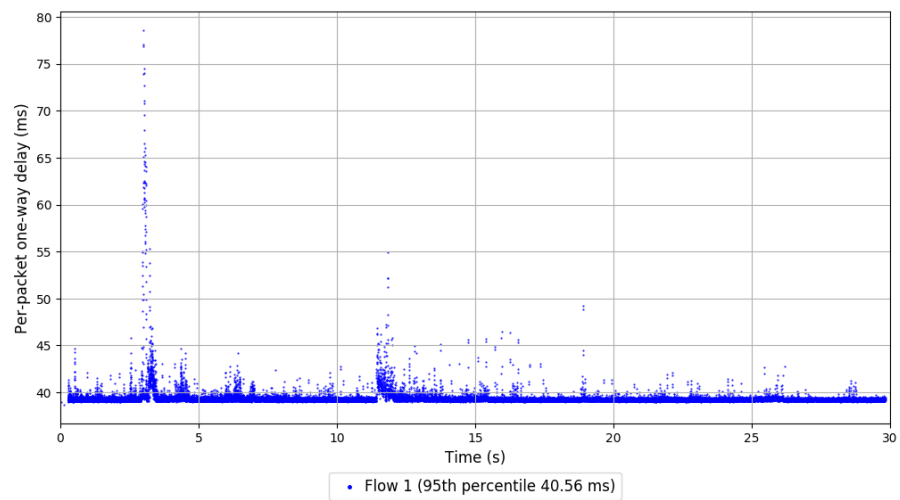
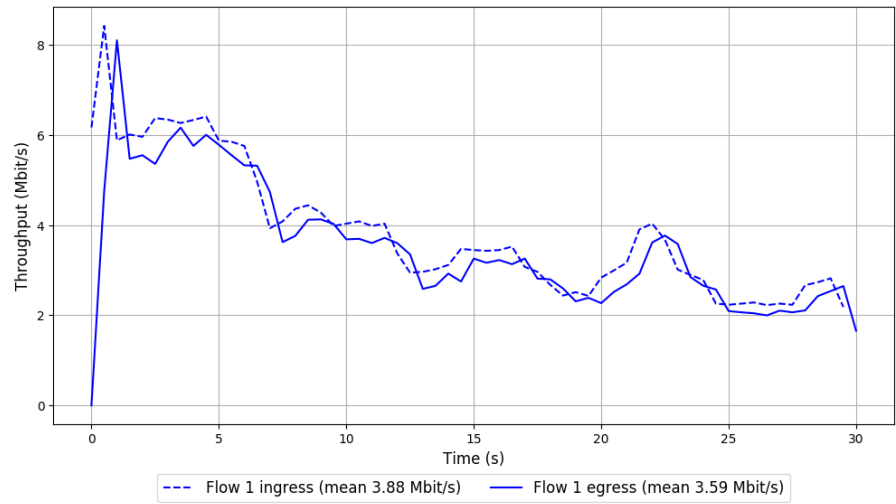
-- Flow 1:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 40.565 ms

Loss rate: 7.77%

Run 6: Report of PCC-Expr — Data Link

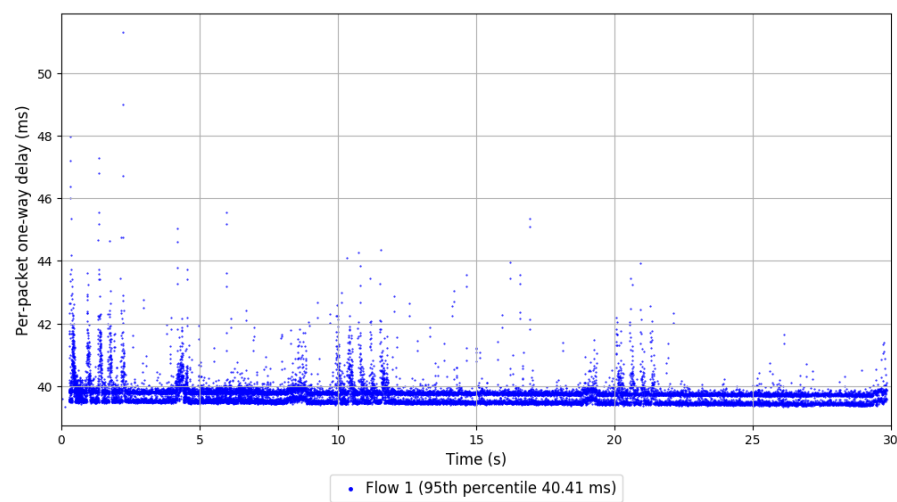
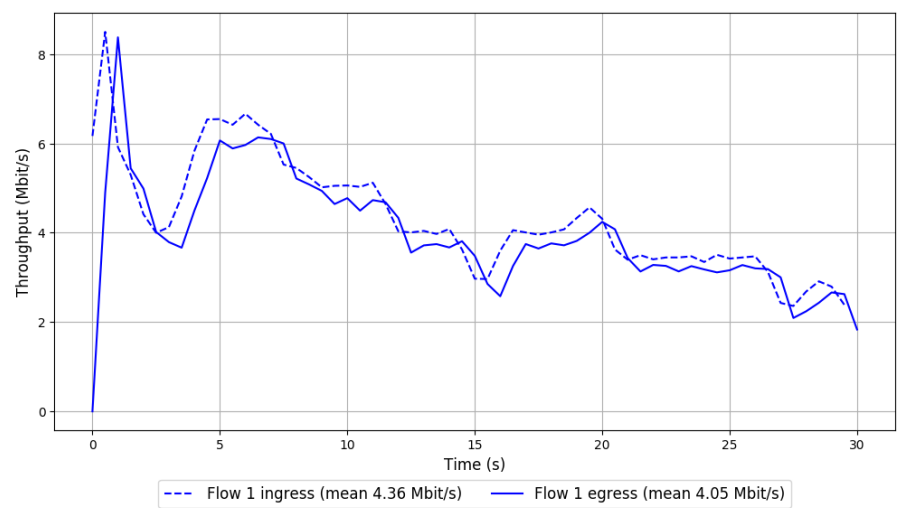


Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 09:39:07
End at: 2018-06-30 09:39:37
Local clock offset: 4.087 ms
Remote clock offset: -10.214 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 7.54%

Run 7: Report of PCC-Expr — Data Link

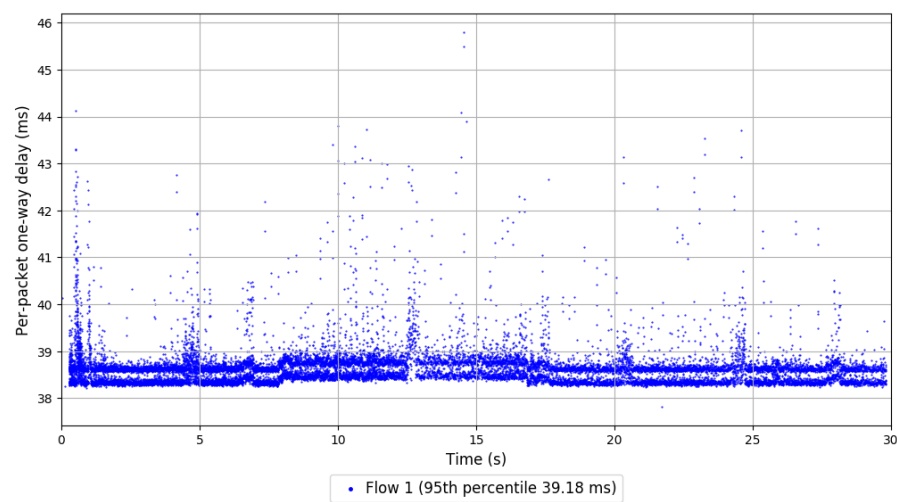
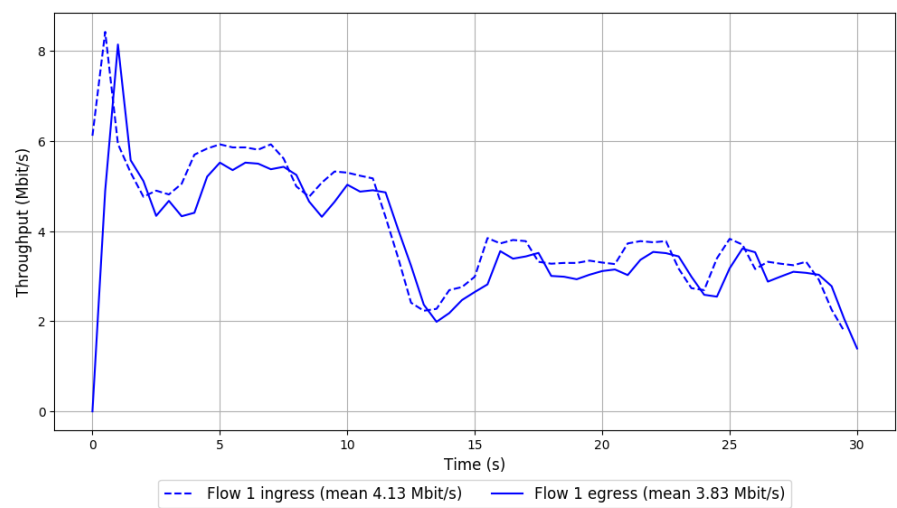


Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 10:10:35
End at: 2018-06-30 10:11:05
Local clock offset: 1.369 ms
Remote clock offset: -12.134 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 7.47%

Run 8: Report of PCC-Expr — Data Link

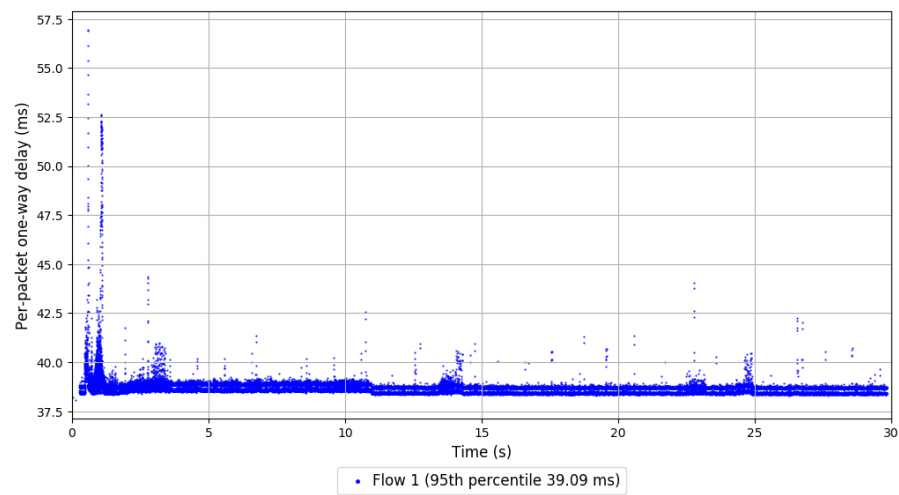
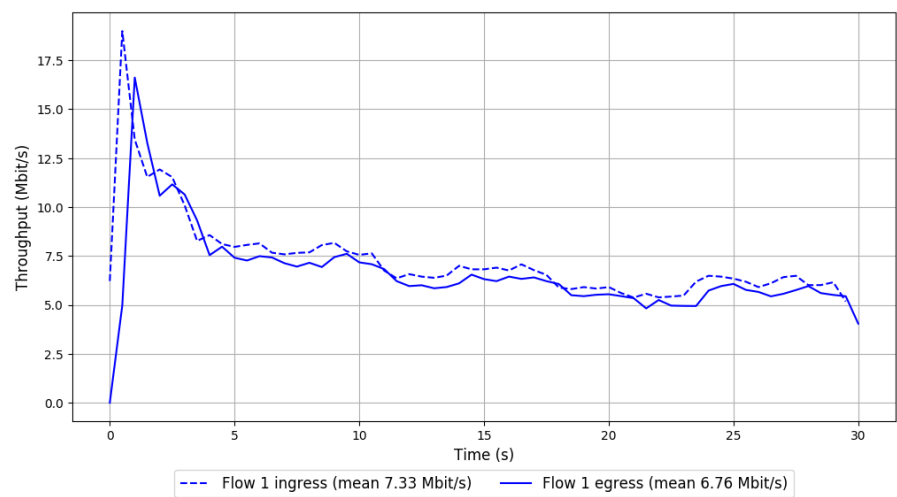


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 10:40:47
End at: 2018-06-30 10:41:17
Local clock offset: 9.202 ms
Remote clock offset: -8.142 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 39.094 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 39.094 ms
Loss rate: 8.12%

Run 9: Report of PCC-Expr — Data Link

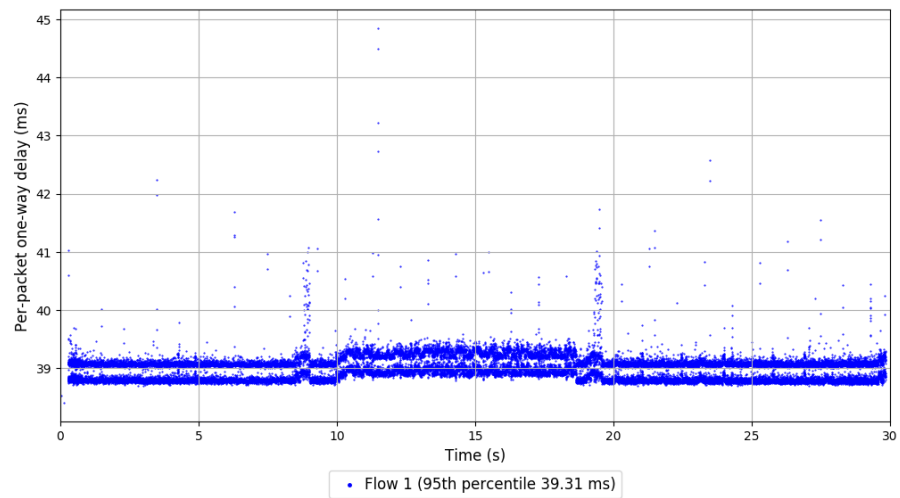
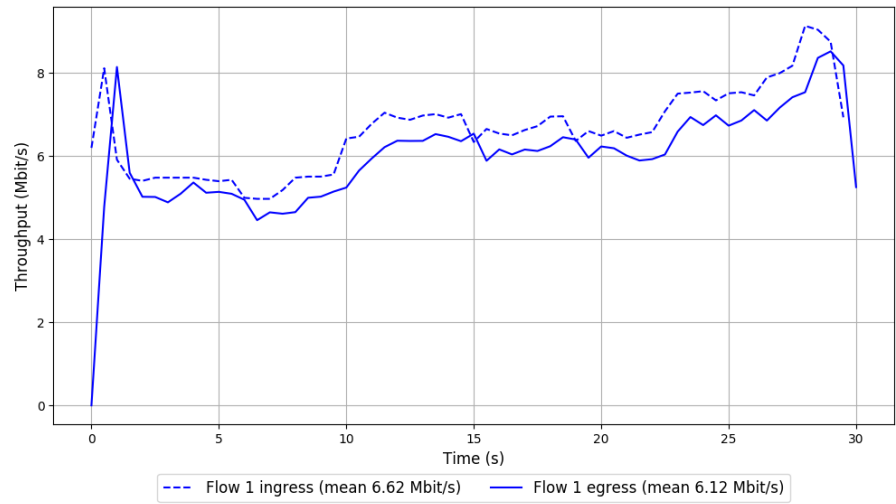


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 11:13:38
End at: 2018-06-30 11:14:08
Local clock offset: 7.283 ms
Remote clock offset: -10.23 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 39.306 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 39.306 ms
Loss rate: 7.94%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 06:40:54

End at: 2018-06-30 06:41:24

Local clock offset: 3.244 ms

Remote clock offset: -9.395 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 42.961 ms

Loss rate: 7.72%

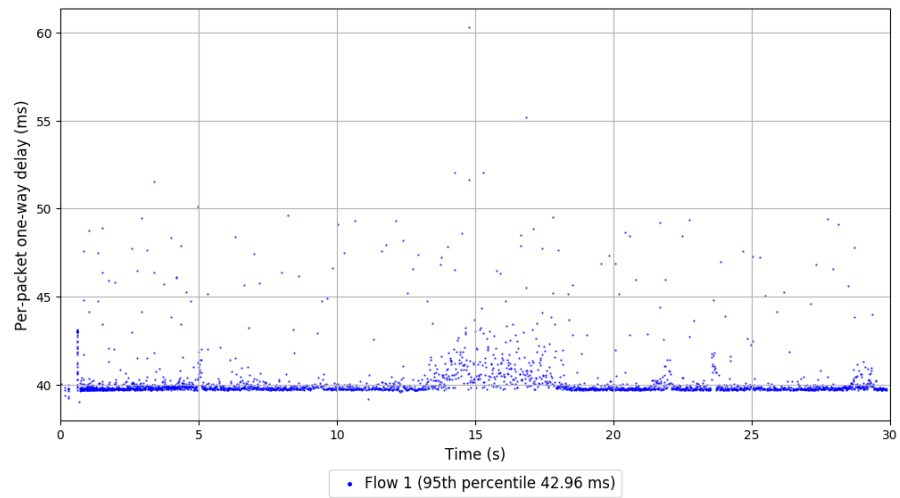
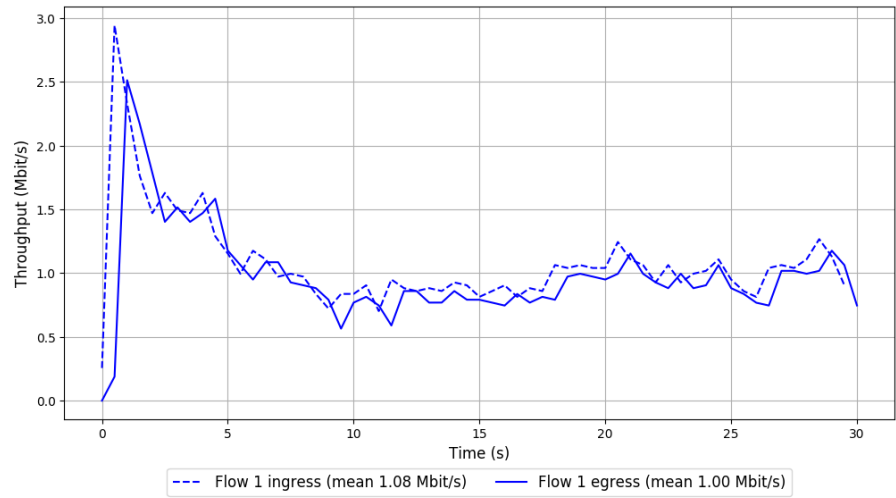
-- Flow 1:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 42.961 ms

Loss rate: 7.72%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 07:14:14

End at: 2018-06-30 07:14:44

Local clock offset: -4.769 ms

Remote clock offset: -9.258 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 41.481 ms

Loss rate: 7.81%

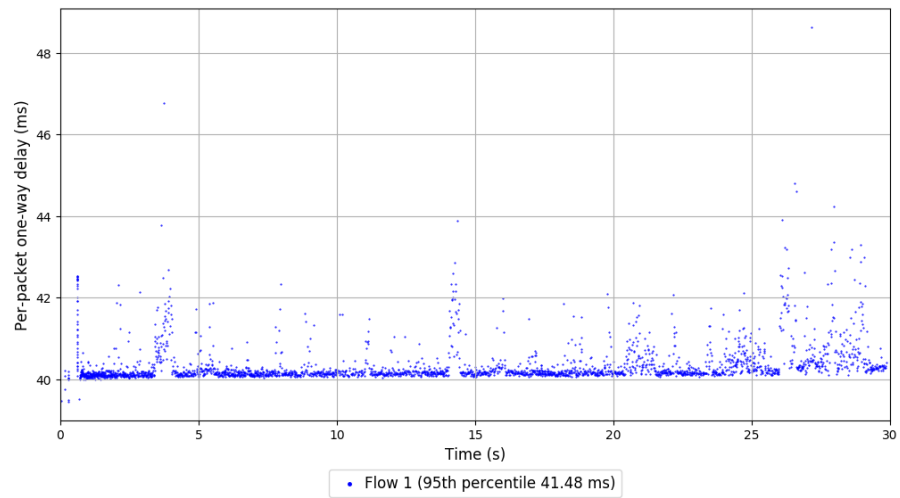
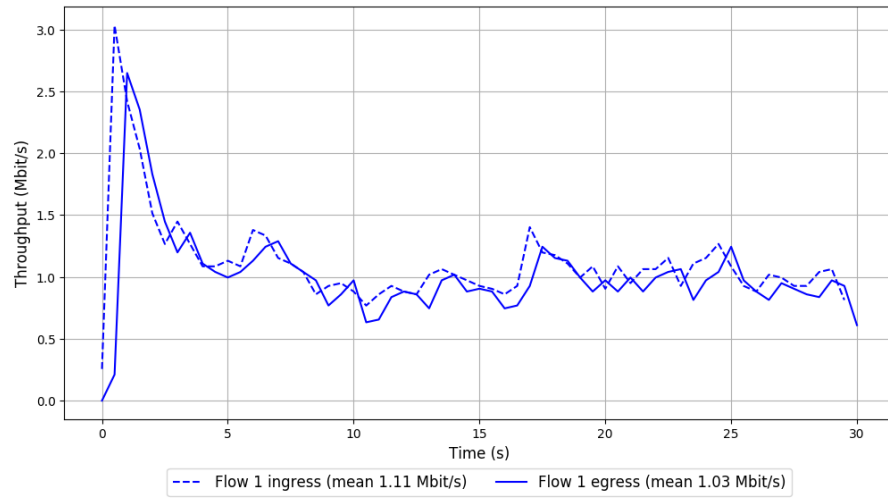
-- Flow 1:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 41.481 ms

Loss rate: 7.81%

Run 2: Report of QUIC Cubic — Data Link

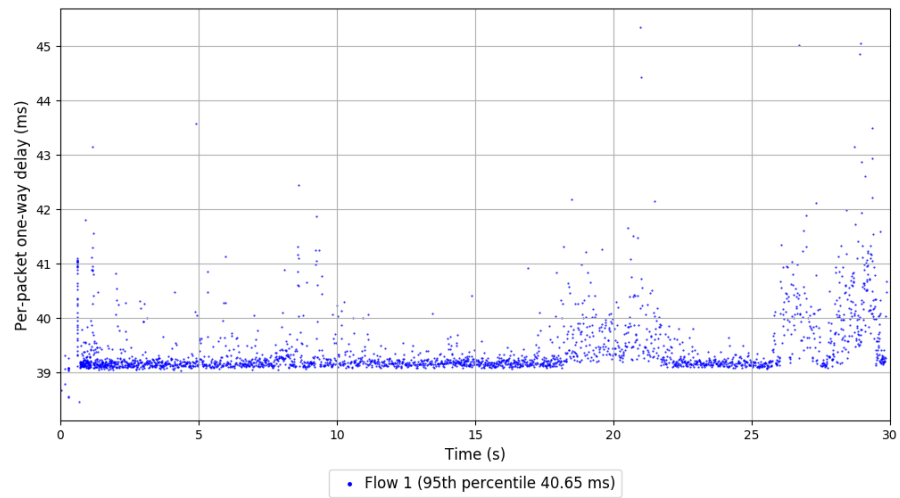
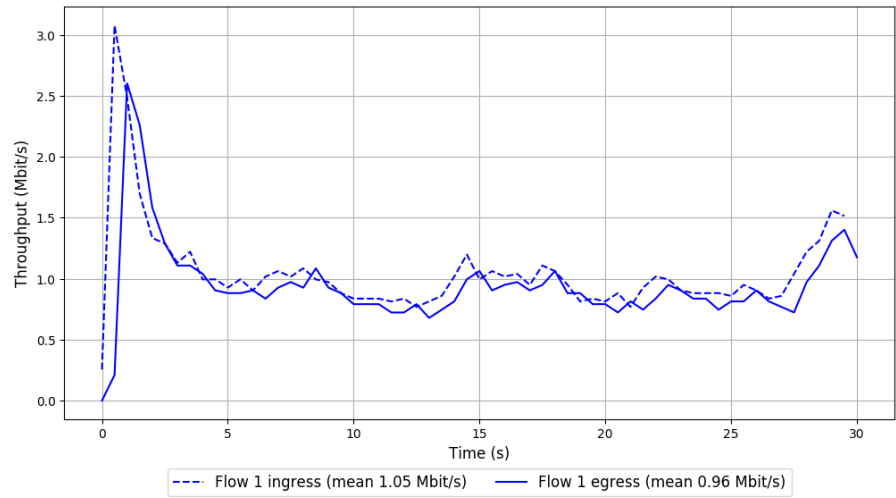


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 07:44:12
End at: 2018-06-30 07:44:42
Local clock offset: -2.541 ms
Remote clock offset: -10.344 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 40.647 ms
Loss rate: 8.69%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 40.647 ms
Loss rate: 8.69%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 08:13:39

End at: 2018-06-30 08:14:09

Local clock offset: 5.729 ms

Remote clock offset: -8.42 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 40.183 ms

Loss rate: 7.16%

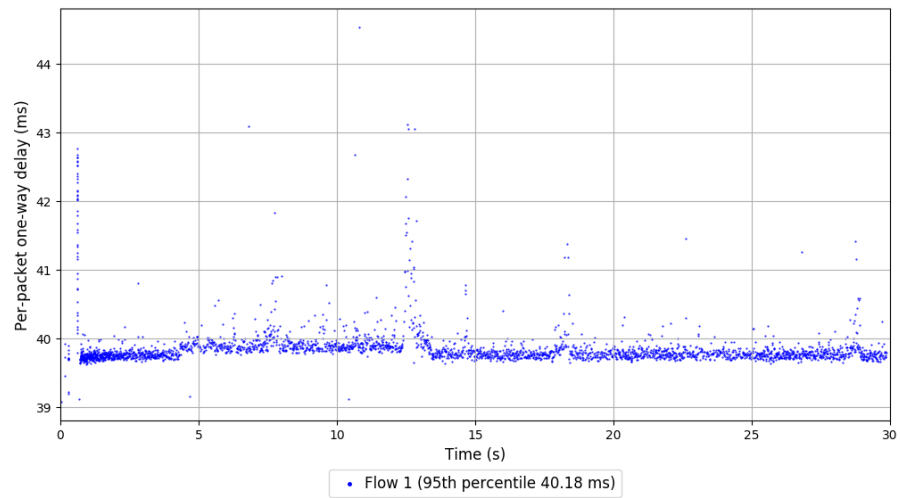
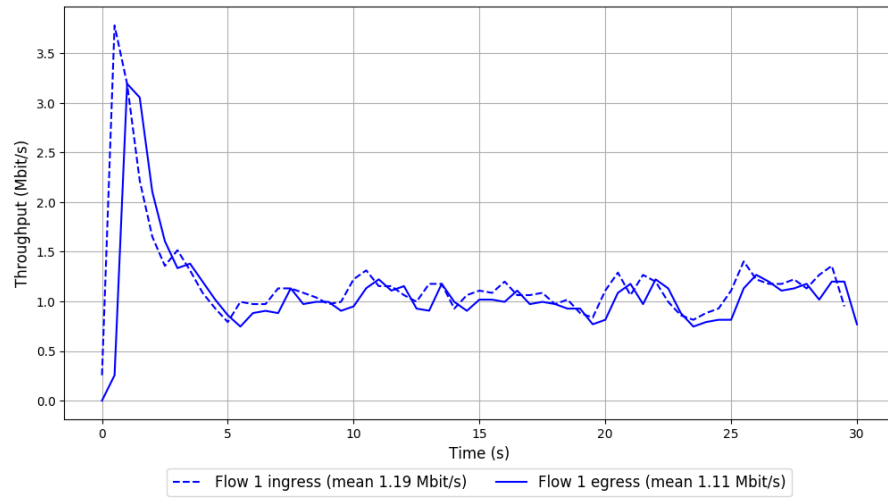
-- Flow 1:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 40.183 ms

Loss rate: 7.16%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 08:41:47

End at: 2018-06-30 08:42:17

Local clock offset: -4.343 ms

Remote clock offset: -9.81 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 40.764 ms

Loss rate: 8.50%

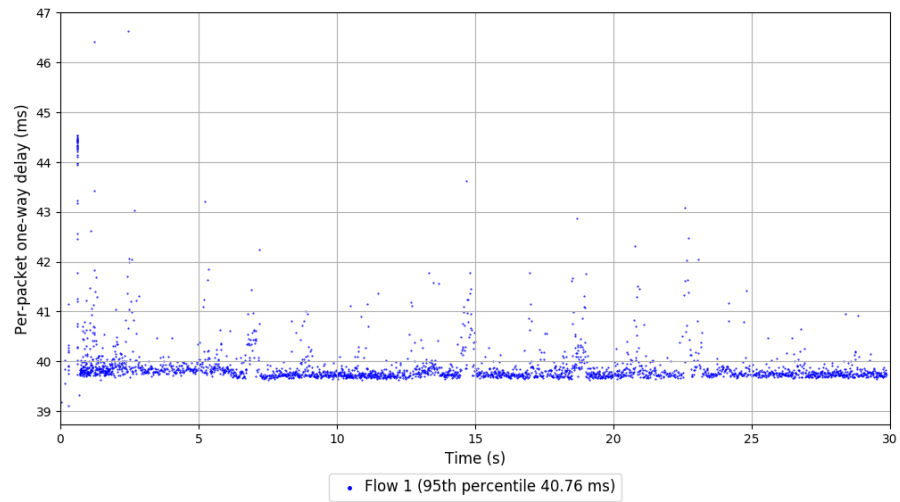
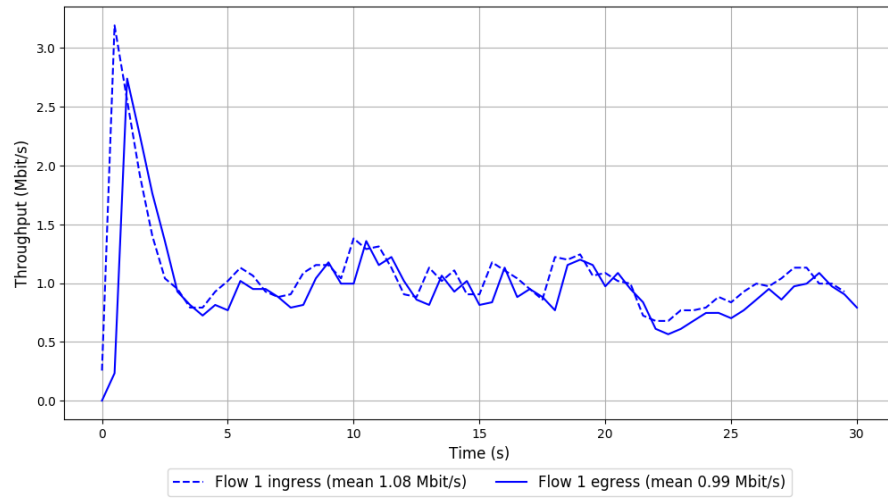
-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 40.764 ms

Loss rate: 8.50%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 09:10:25

End at: 2018-06-30 09:10:55

Local clock offset: 1.332 ms

Remote clock offset: -9.849 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 40.481 ms

Loss rate: 8.47%

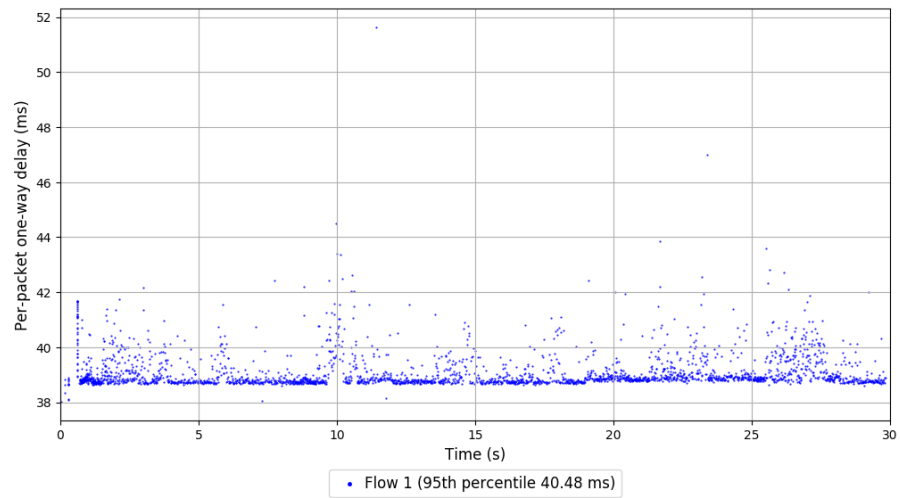
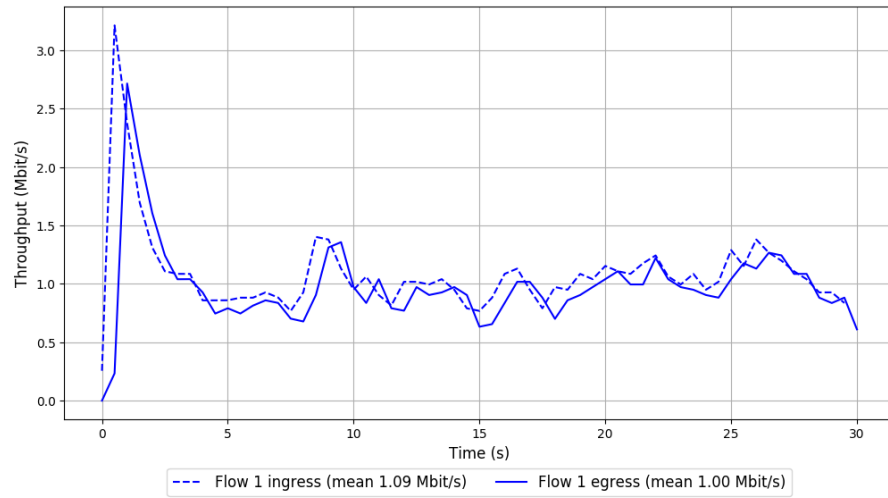
-- Flow 1:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 40.481 ms

Loss rate: 8.47%

Run 6: Report of QUIC Cubic — Data Link

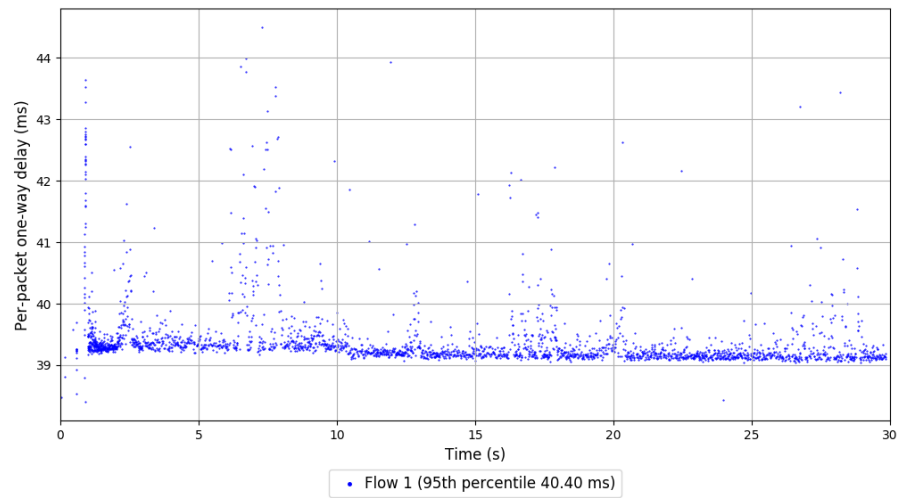
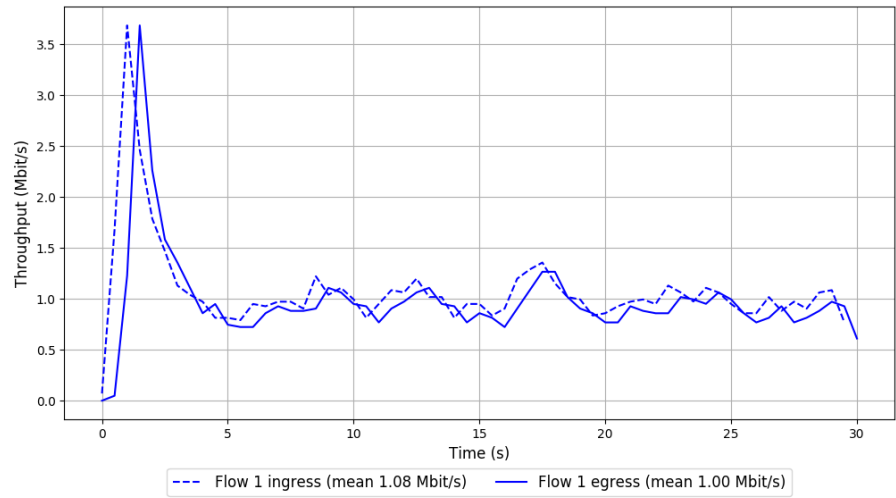


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 09:40:42
End at: 2018-06-30 09:41:13
Local clock offset: 4.497 ms
Remote clock offset: -10.439 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 40.400 ms
Loss rate: 8.18%
-- Flow 1:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 40.400 ms
Loss rate: 8.18%

Run 7: Report of QUIC Cubic — Data Link

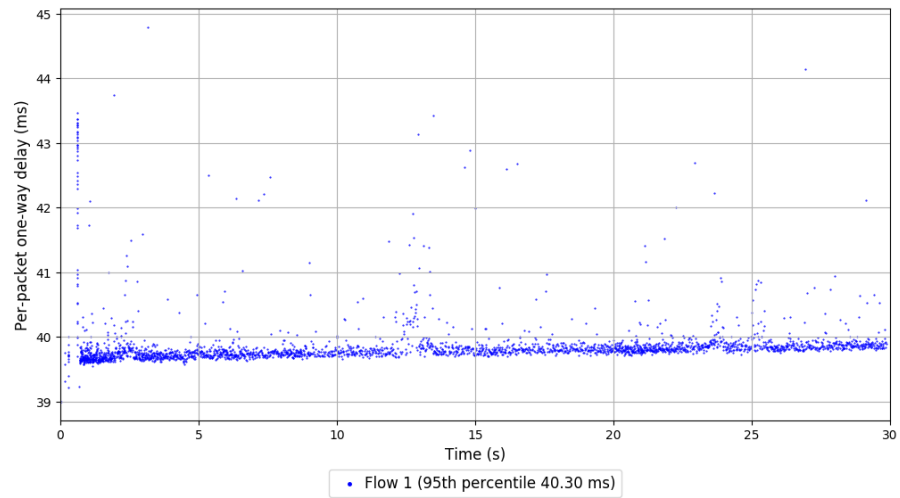
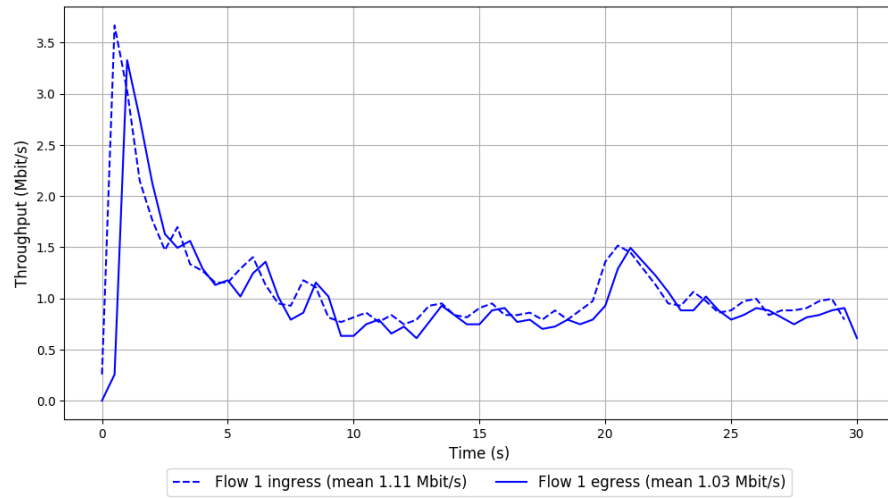


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 10:12:05
End at: 2018-06-30 10:12:35
Local clock offset: 1.389 ms
Remote clock offset: -11.867 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 40.305 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 40.305 ms
Loss rate: 7.58%

Run 8: Report of QUIC Cubic — Data Link

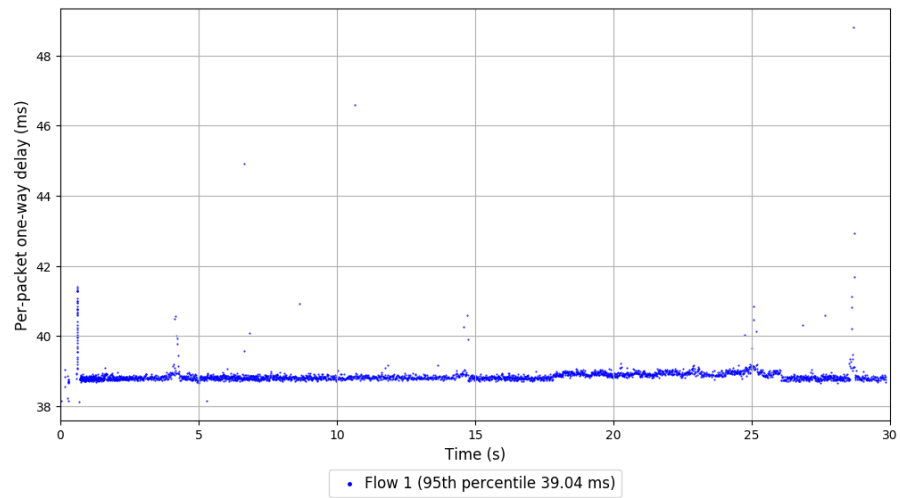
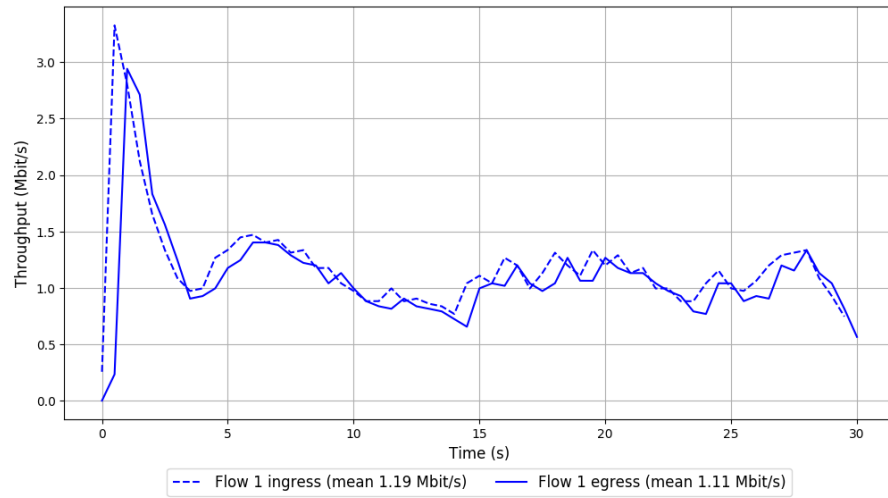


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 10:42:31
End at: 2018-06-30 10:43:01
Local clock offset: 9.403 ms
Remote clock offset: -8.089 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 39.042 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 39.042 ms
Loss rate: 7.42%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 11:15:22

End at: 2018-06-30 11:15:52

Local clock offset: 7.195 ms

Remote clock offset: -10.225 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 40.655 ms

Loss rate: 8.41%

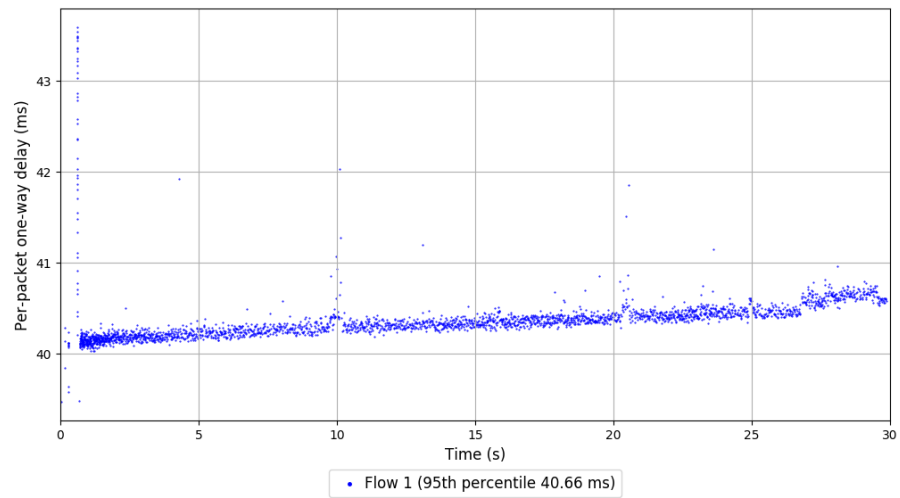
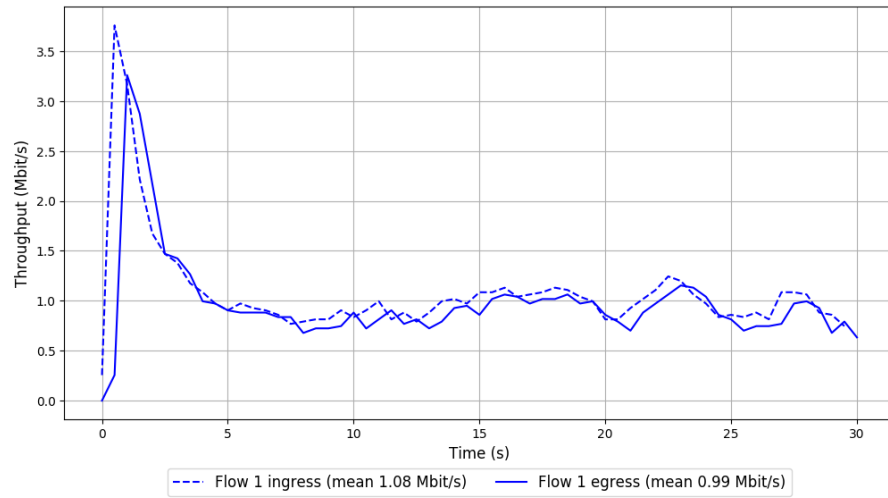
-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 40.655 ms

Loss rate: 8.41%

Run 10: Report of QUIC Cubic — Data Link

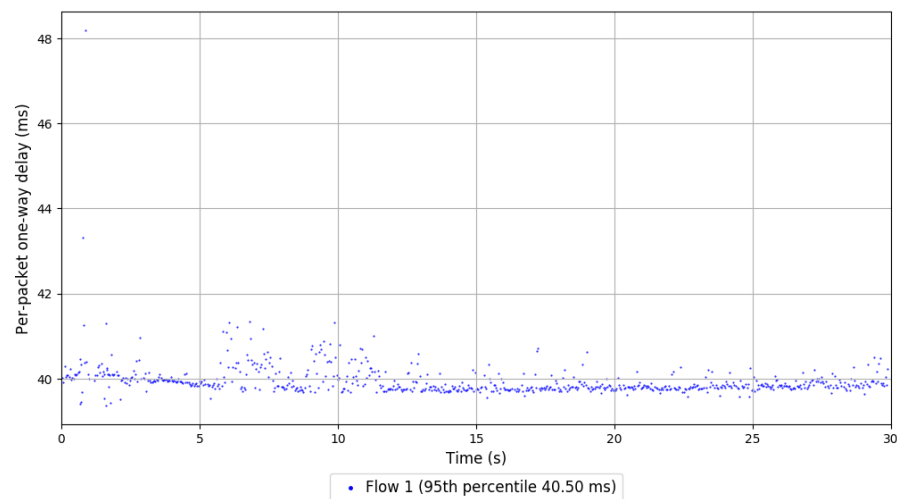
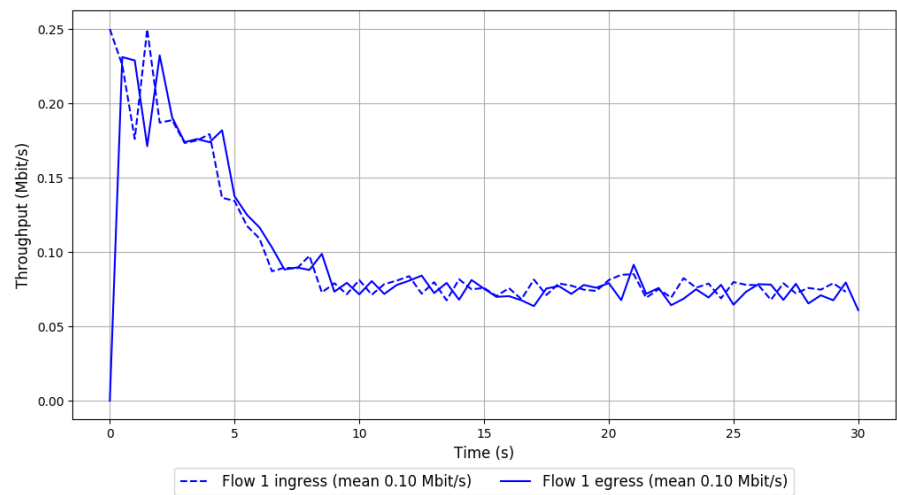


Run 1: Statistics of SCReAM

Start at: 2018-06-30 06:55:00
End at: 2018-06-30 06:55:30
Local clock offset: -1.517 ms
Remote clock offset: -9.227 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 40.503 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 40.503 ms
Loss rate: 2.67%

Run 1: Report of SReAM — Data Link

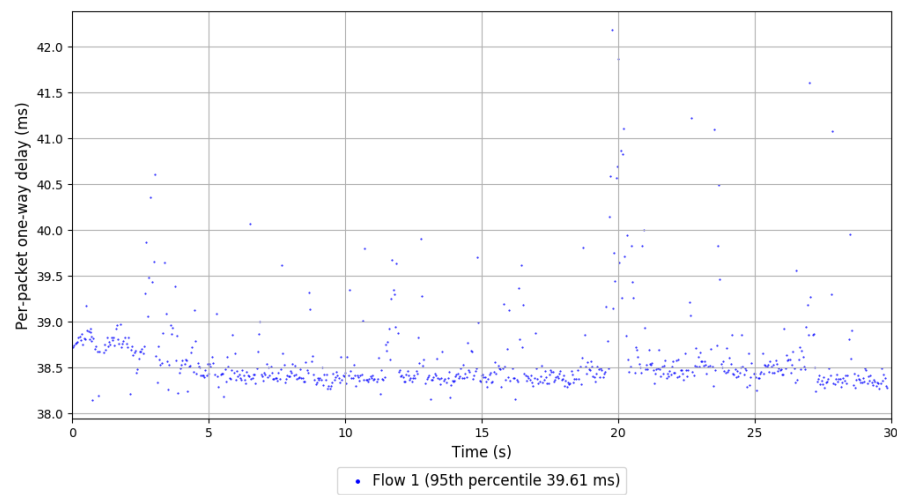
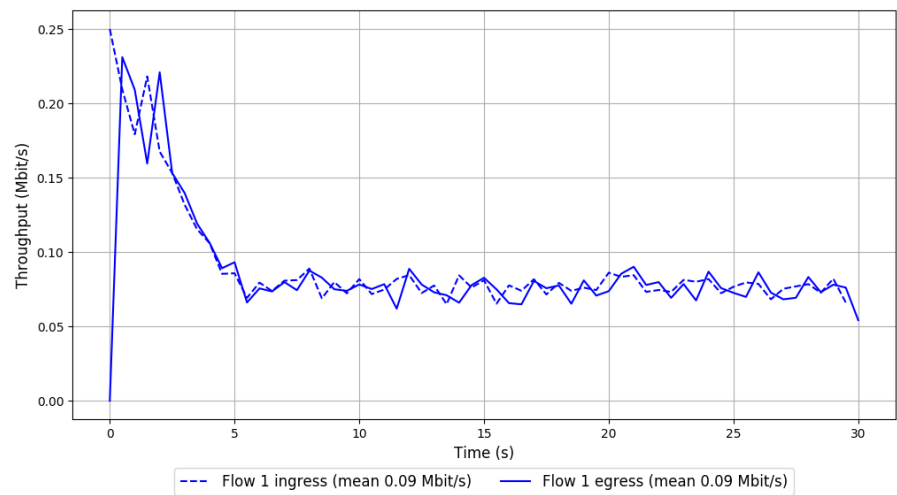


Run 2: Statistics of SCReAM

Start at: 2018-06-30 07:28:23
End at: 2018-06-30 07:28:53
Local clock offset: -2.776 ms
Remote clock offset: -9.956 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.613 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.613 ms
Loss rate: 3.31%

Run 2: Report of SReAM — Data Link

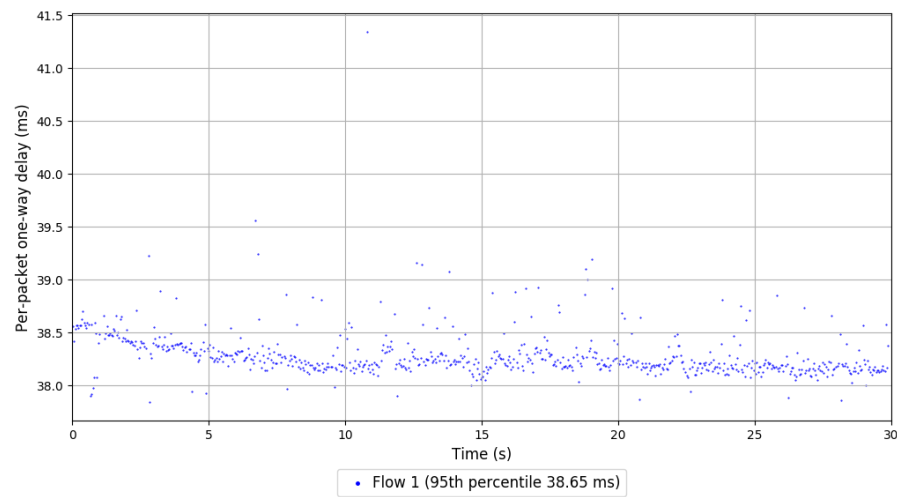
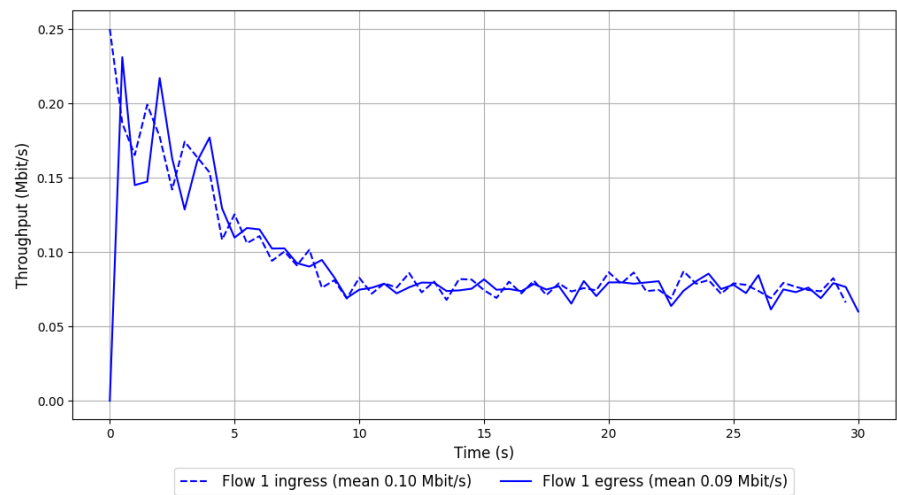


Run 3: Statistics of SCReAM

Start at: 2018-06-30 07:57:30
End at: 2018-06-30 07:58:00
Local clock offset: 3.06 ms
Remote clock offset: -9.902 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 38.651 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 38.651 ms
Loss rate: 3.07%

Run 3: Report of SReAM — Data Link

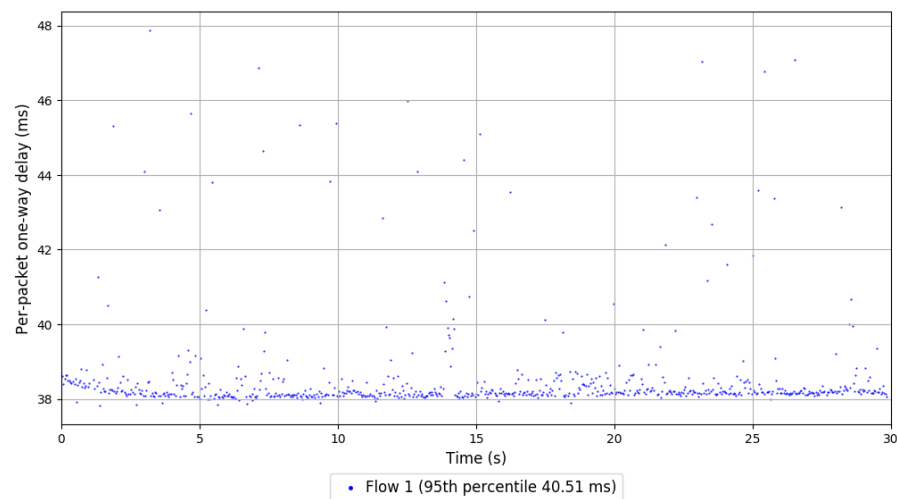
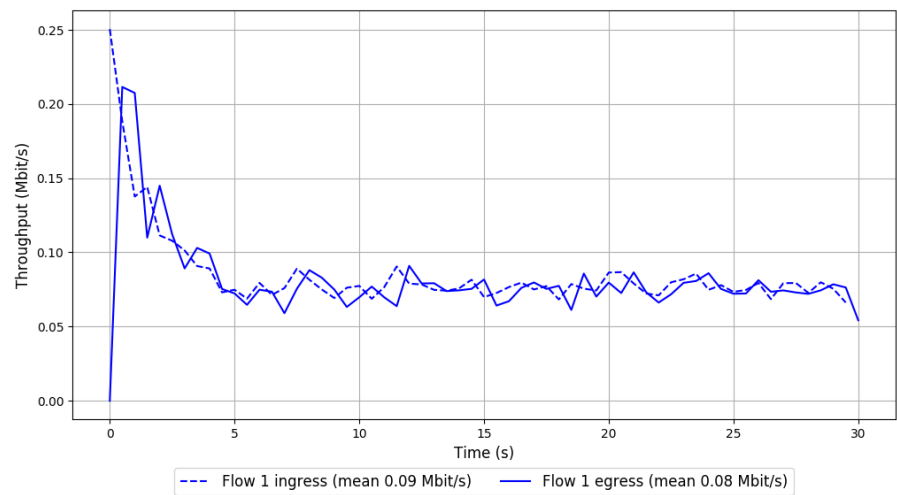


Run 4: Statistics of SCReAM

Start at: 2018-06-30 08:28:12
End at: 2018-06-30 08:28:42
Local clock offset: -1.902 ms
Remote clock offset: -7.532 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 40.509 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 40.509 ms
Loss rate: 3.46%

Run 4: Report of SReAM — Data Link

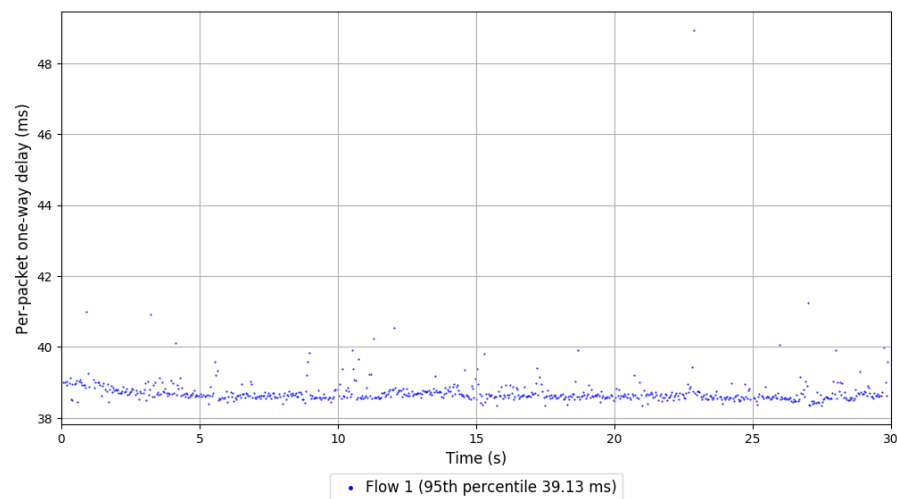
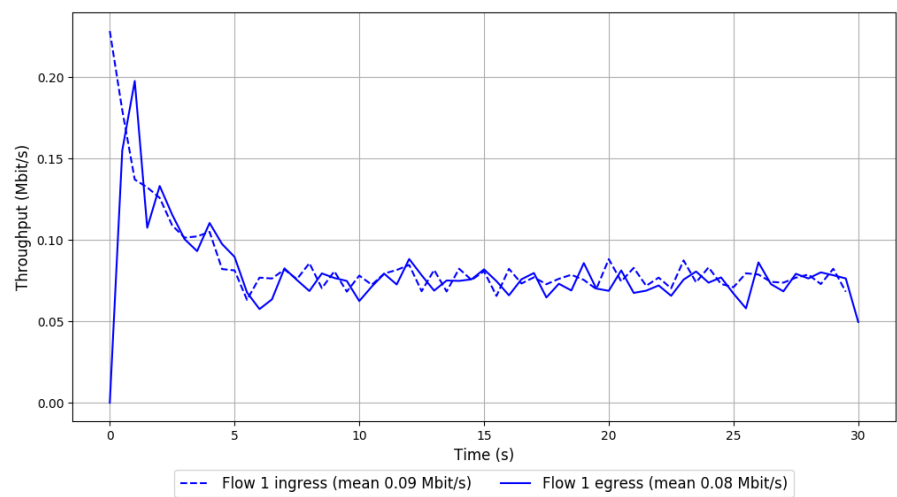


Run 5: Statistics of SCReAM

Start at: 2018-06-30 08:55:15
End at: 2018-06-30 08:55:45
Local clock offset: -0.417 ms
Remote clock offset: -10.318 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.127 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.127 ms
Loss rate: 5.23%

Run 5: Report of SReAM — Data Link

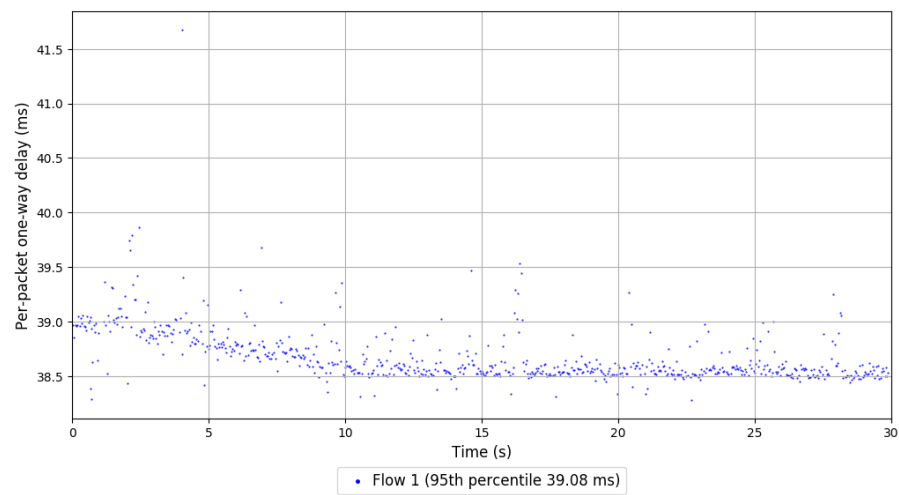
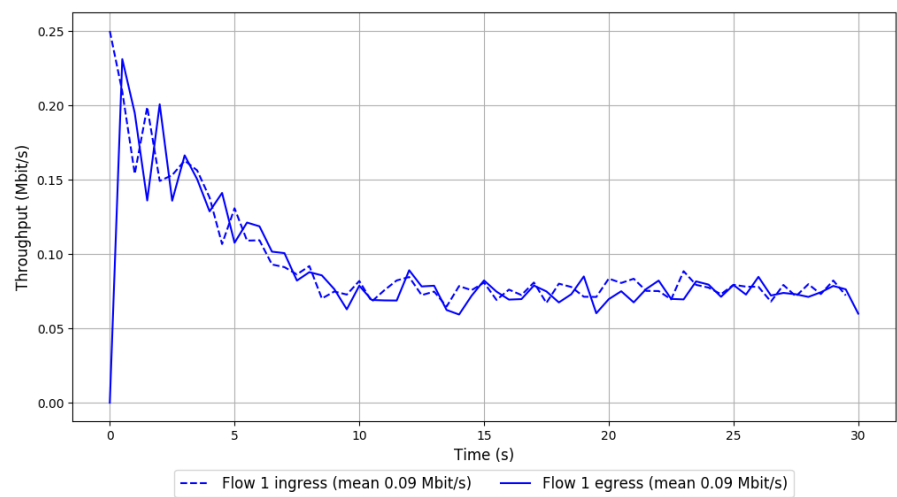


Run 6: Statistics of SCReAM

Start at: 2018-06-30 09:24:42
End at: 2018-06-30 09:25:12
Local clock offset: 3.162 ms
Remote clock offset: -9.942 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.076 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.076 ms
Loss rate: 3.73%

Run 6: Report of SReAM — Data Link

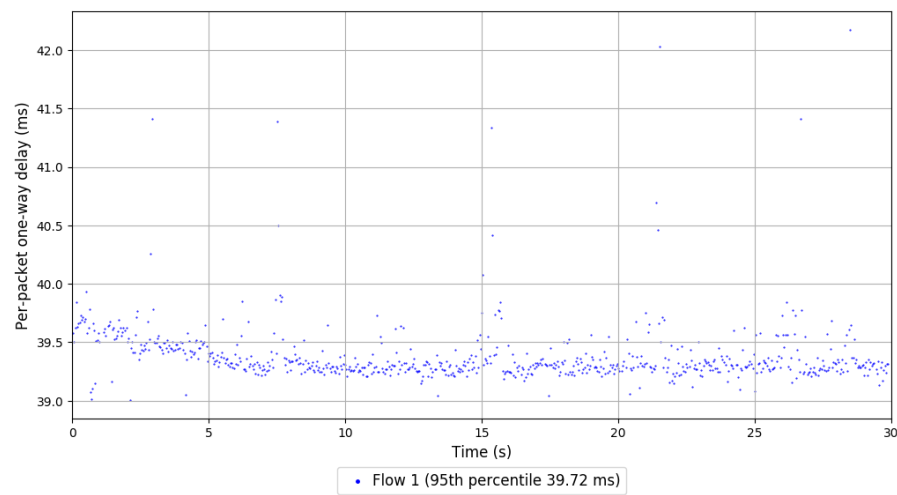
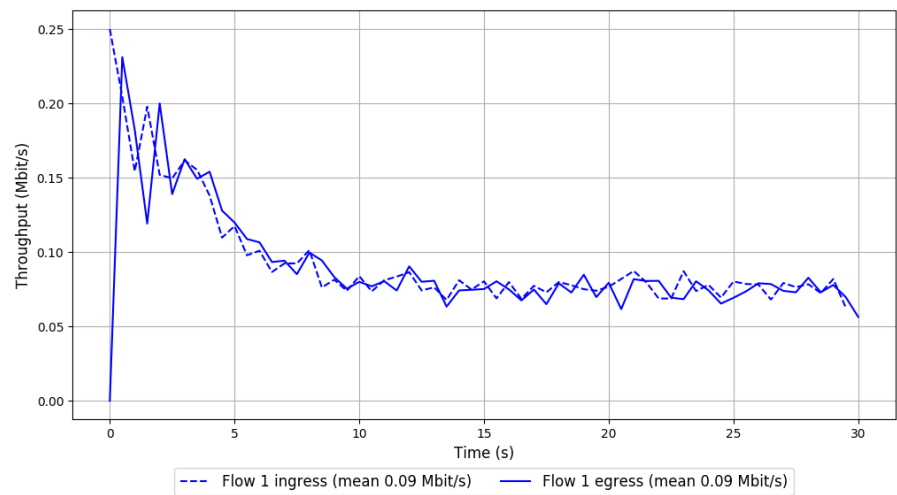


Run 7: Statistics of SCReAM

Start at: 2018-06-30 09:54:59
End at: 2018-06-30 09:55:29
Local clock offset: 2.331 ms
Remote clock offset: -11.613 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.716 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.716 ms
Loss rate: 2.92%

Run 7: Report of SReAM — Data Link

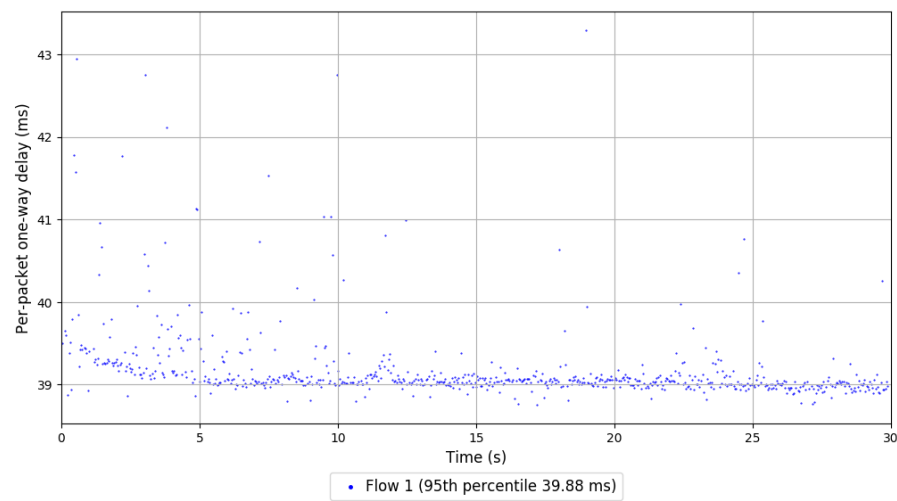
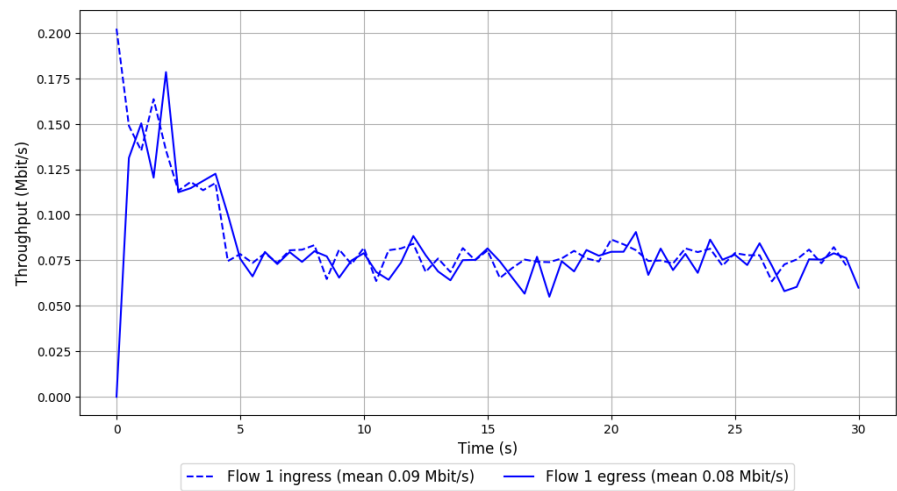


Run 8: Statistics of SCReAM

Start at: 2018-06-30 10:25:53
End at: 2018-06-30 10:26:23
Local clock offset: 6.512 ms
Remote clock offset: -8.748 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.878 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.878 ms
Loss rate: 4.53%

Run 8: Report of SReAM — Data Link

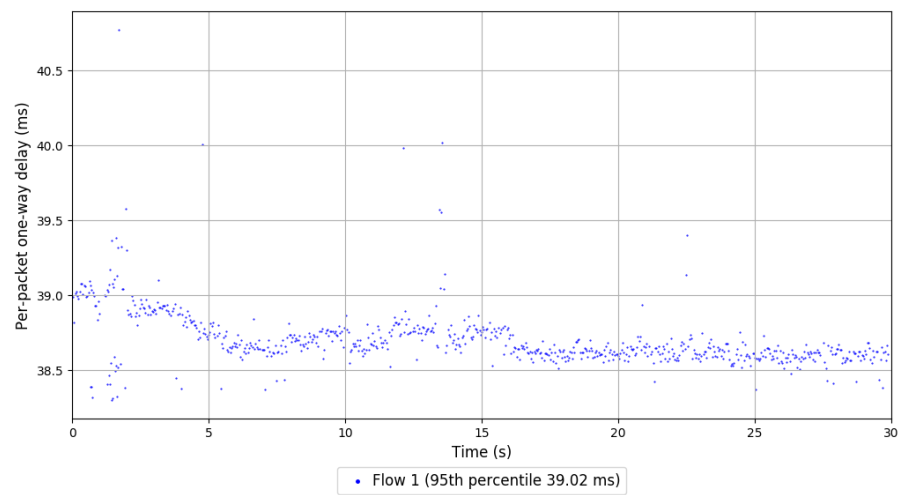
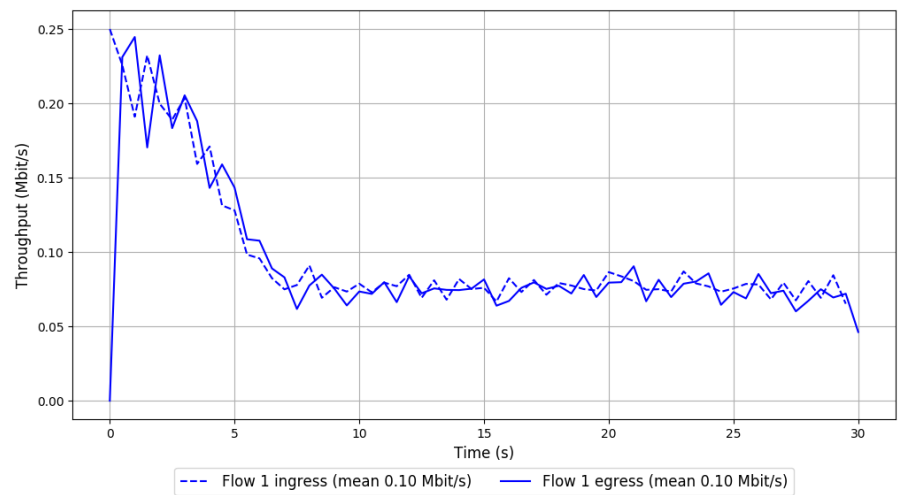


Run 9: Statistics of SCReAM

Start at: 2018-06-30 10:57:41
End at: 2018-06-30 10:58:11
Local clock offset: 7.41 ms
Remote clock offset: -9.727 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 39.020 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 39.020 ms
Loss rate: 3.30%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-30 11:30:30

End at: 2018-06-30 11:31:00

Local clock offset: 1.833 ms

Remote clock offset: -8.637 ms

Below is generated by plot.py at 2018-06-30 11:40:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 39.822 ms

Loss rate: 3.07%

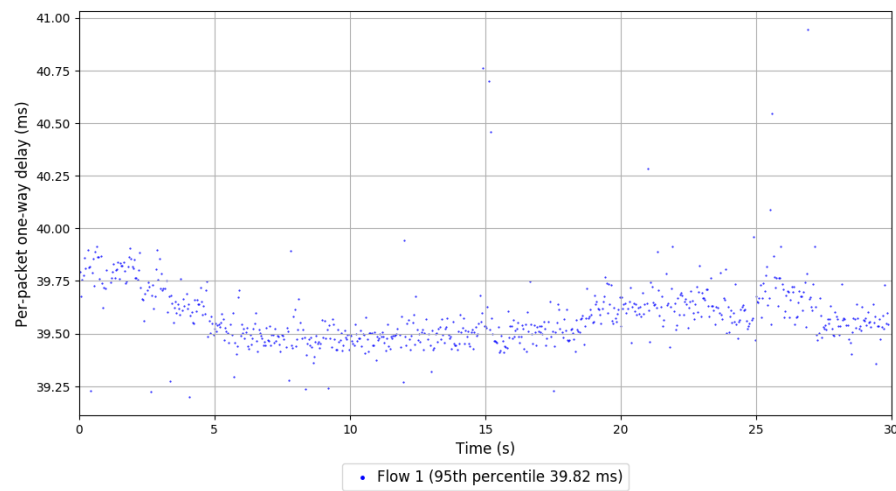
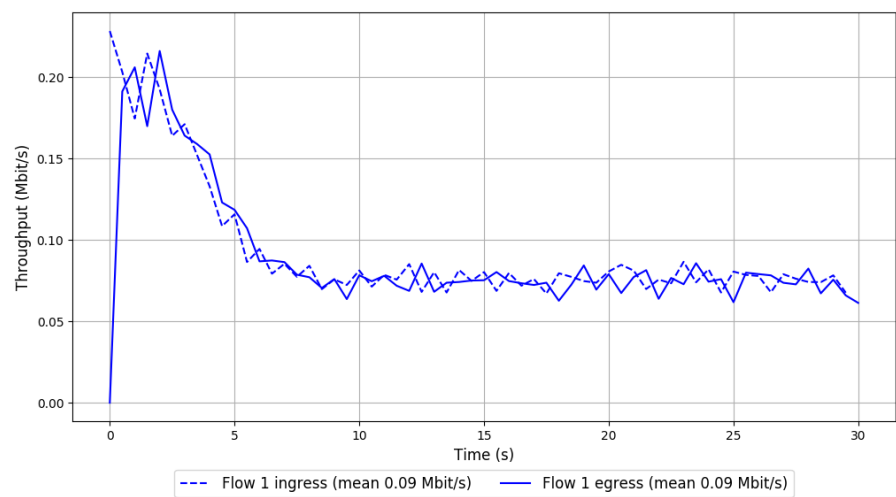
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 39.822 ms

Loss rate: 3.07%

Run 10: Report of SReAM — Data Link

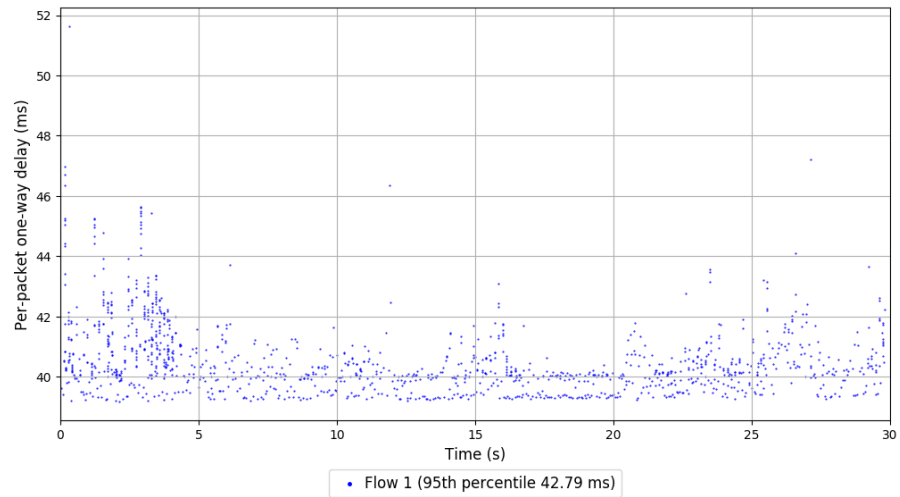
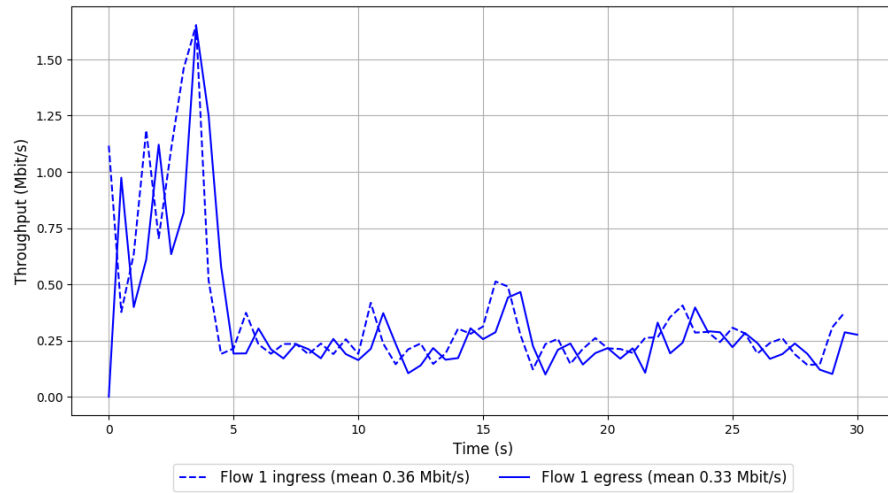


Run 1: Statistics of Sprout

Start at: 2018-06-30 06:59:58
End at: 2018-06-30 07:00:28
Local clock offset: -2.935 ms
Remote clock offset: -9.247 ms

Below is generated by plot.py at 2018-06-30 11:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 42.787 ms
Loss rate: 9.57%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 42.787 ms
Loss rate: 9.57%

Run 1: Report of Sprout — Data Link

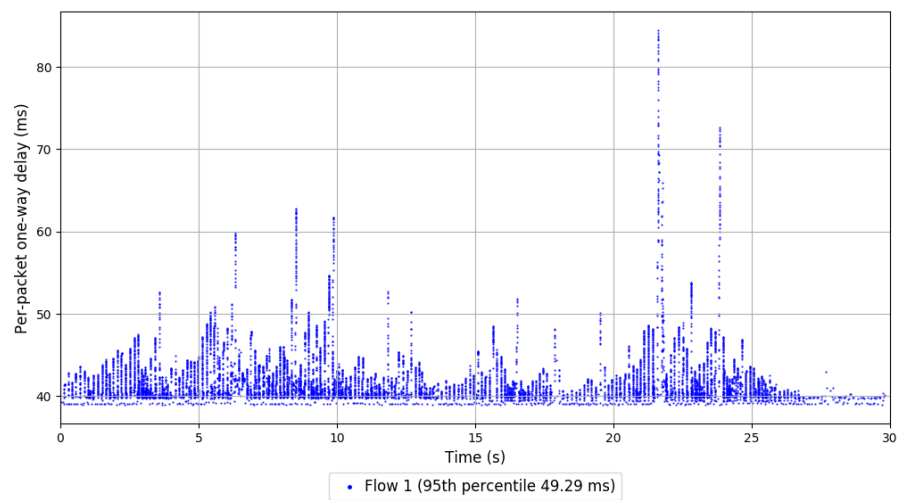
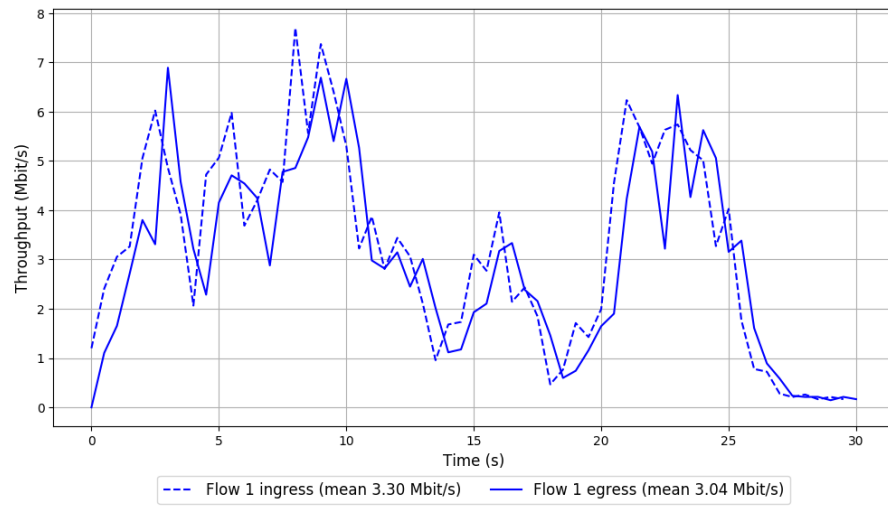


Run 2: Statistics of Sprout

Start at: 2018-06-30 07:33:50
End at: 2018-06-30 07:34:20
Local clock offset: -2.577 ms
Remote clock offset: -10.112 ms

Below is generated by plot.py at 2018-06-30 11:40:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 49.293 ms
Loss rate: 8.43%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 49.293 ms
Loss rate: 8.43%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-06-30 08:03:12

End at: 2018-06-30 08:03:42

Local clock offset: 4.426 ms

Remote clock offset: -8.76 ms

Below is generated by plot.py at 2018-06-30 11:40:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 44.875 ms

Loss rate: 8.91%

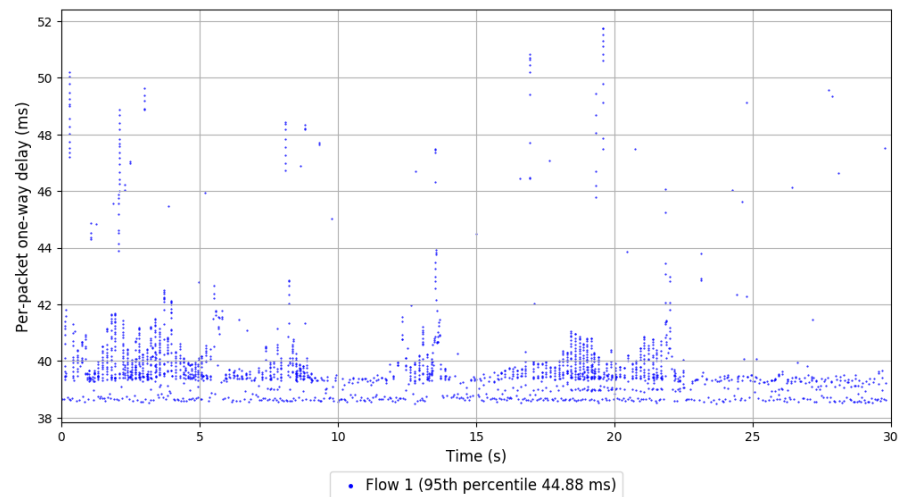
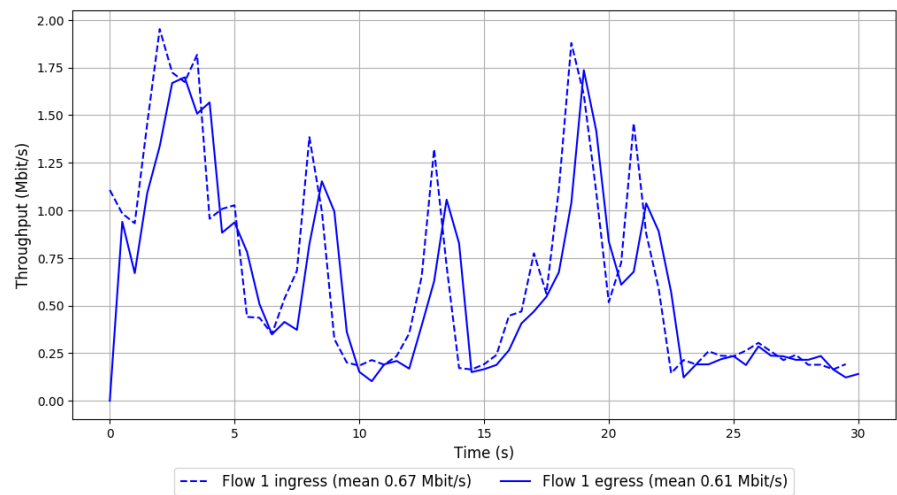
-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 44.875 ms

Loss rate: 8.91%

Run 3: Report of Sprout — Data Link

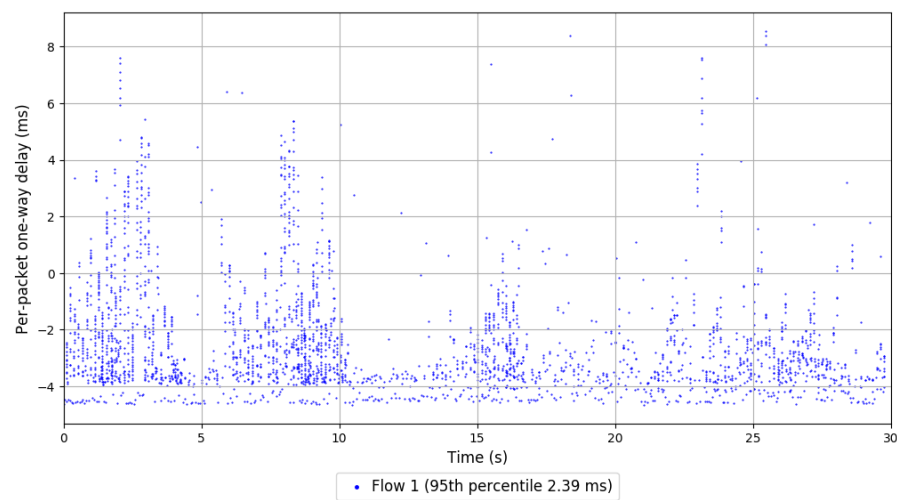
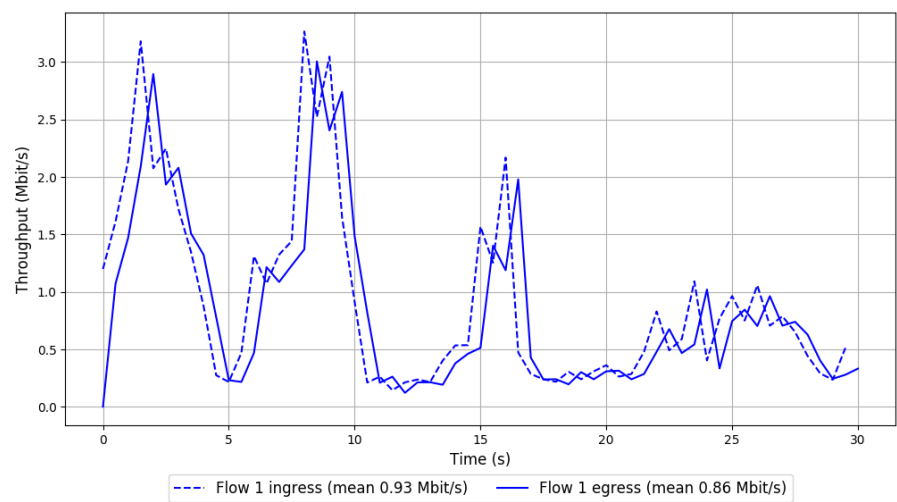


Run 4: Statistics of Sprout

Start at: 2018-06-30 08:32:32
End at: 2018-06-30 08:33:02
Local clock offset: -2.97 ms
Remote clock offset: 33.993 ms

Below is generated by plot.py at 2018-06-30 11:40:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 7.59%
-- Flow 1:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 7.59%

Run 4: Report of Sprout — Data Link

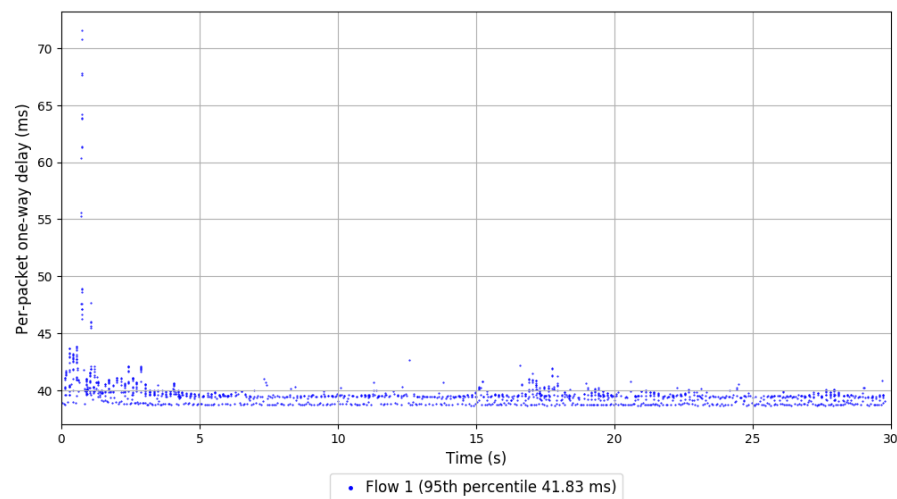
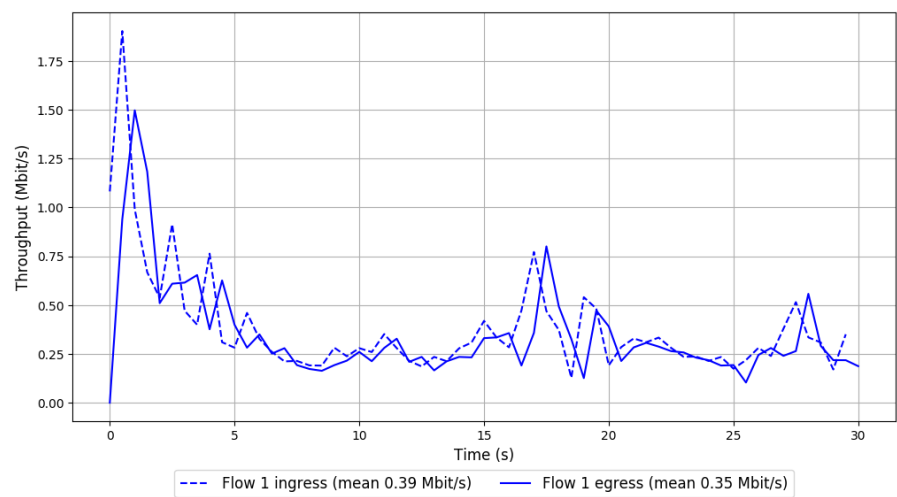


Run 5: Statistics of Sprout

Start at: 2018-06-30 09:00:49
End at: 2018-06-30 09:01:19
Local clock offset: 0.308 ms
Remote clock offset: -10.412 ms

Below is generated by plot.py at 2018-06-30 11:40:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 41.834 ms
Loss rate: 8.99%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 41.834 ms
Loss rate: 8.99%

Run 5: Report of Sprout — Data Link

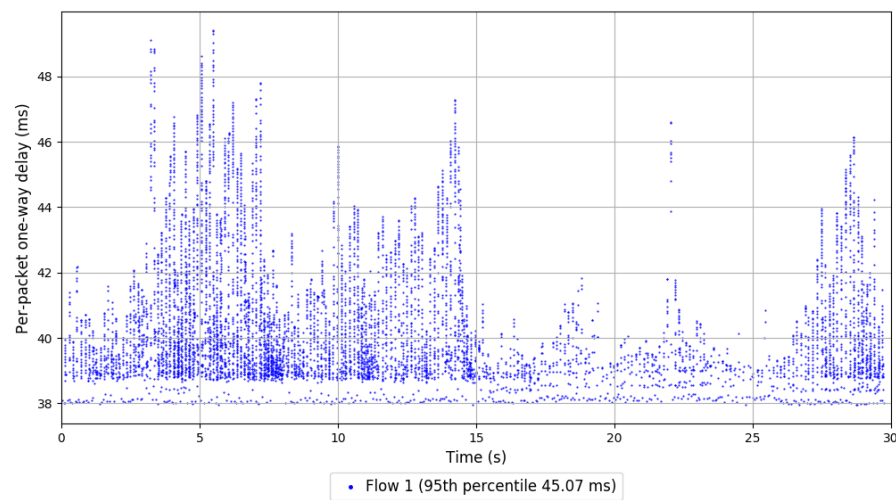
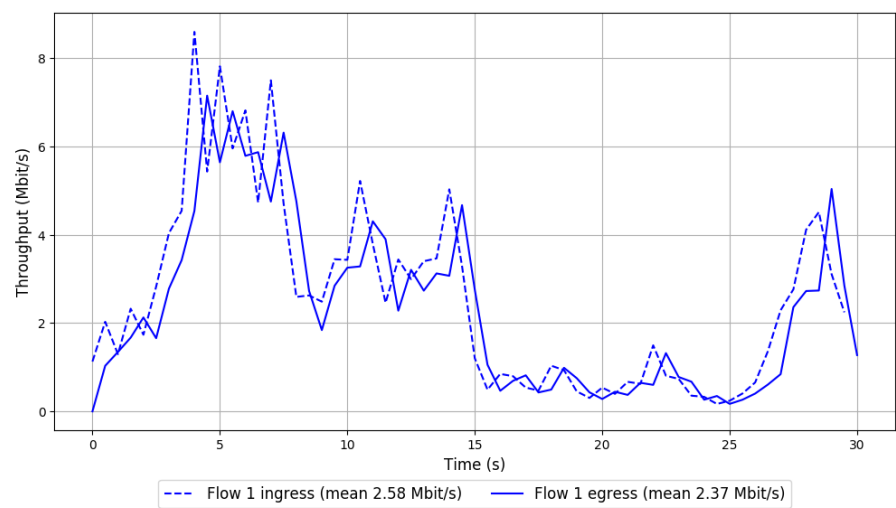


Run 6: Statistics of Sprout

Start at: 2018-06-30 09:30:26
End at: 2018-06-30 09:30:56
Local clock offset: 3.698 ms
Remote clock offset: -9.887 ms

Below is generated by plot.py at 2018-06-30 11:40:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 45.070 ms
Loss rate: 8.61%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 45.070 ms
Loss rate: 8.61%

Run 6: Report of Sprout — Data Link

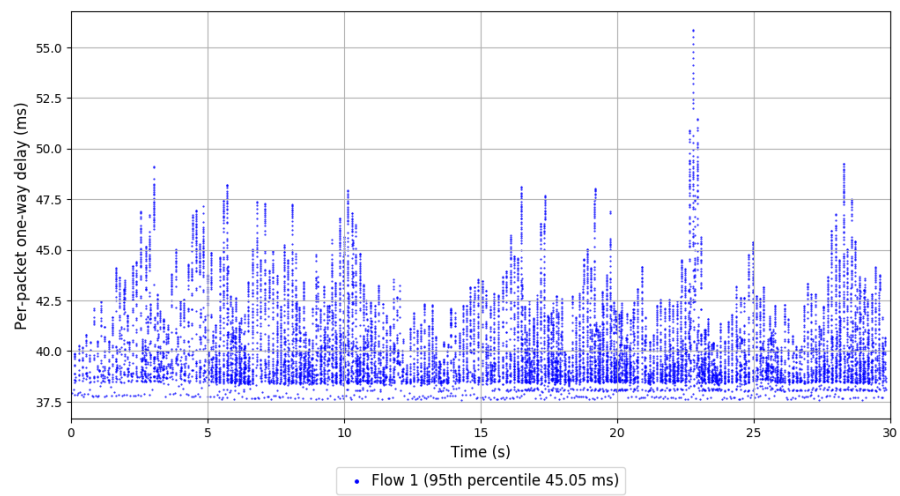
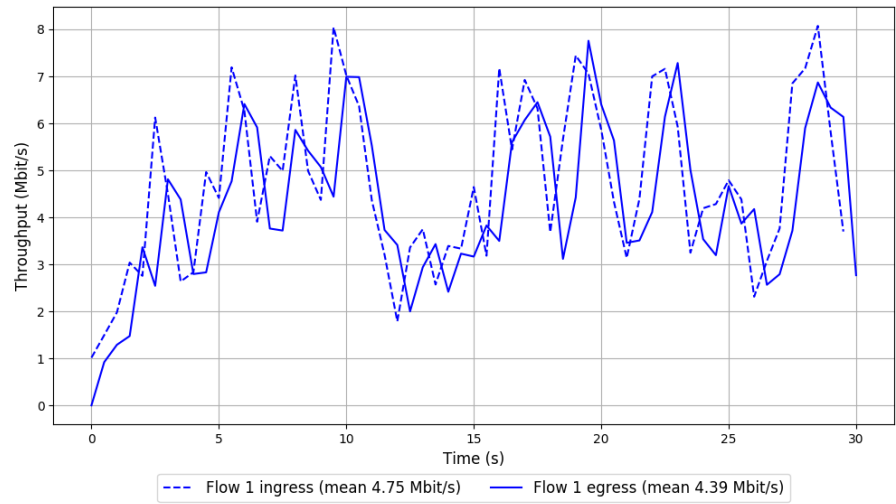


Run 7: Statistics of Sprout

Start at: 2018-06-30 10:00:48
End at: 2018-06-30 10:01:18
Local clock offset: 1.821 ms
Remote clock offset: -11.522 ms

Below is generated by plot.py at 2018-06-30 11:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 45.045 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 45.045 ms
Loss rate: 7.66%

Run 7: Report of Sprout — Data Link

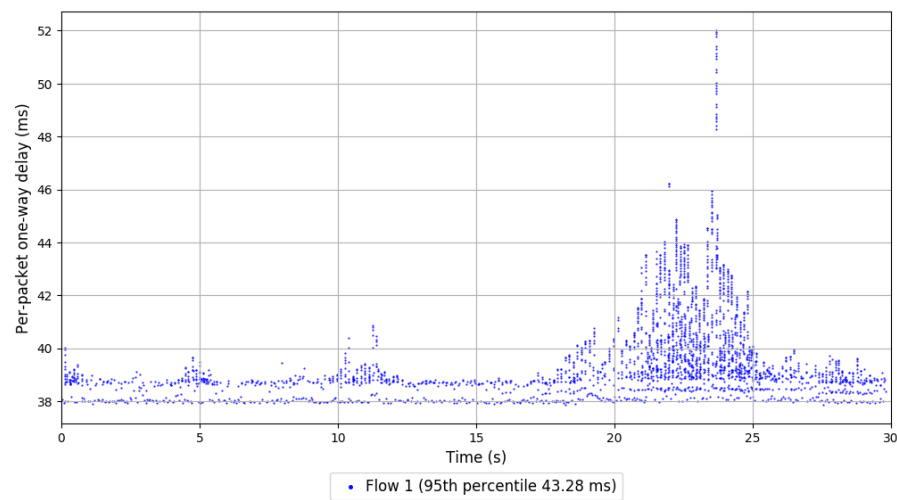
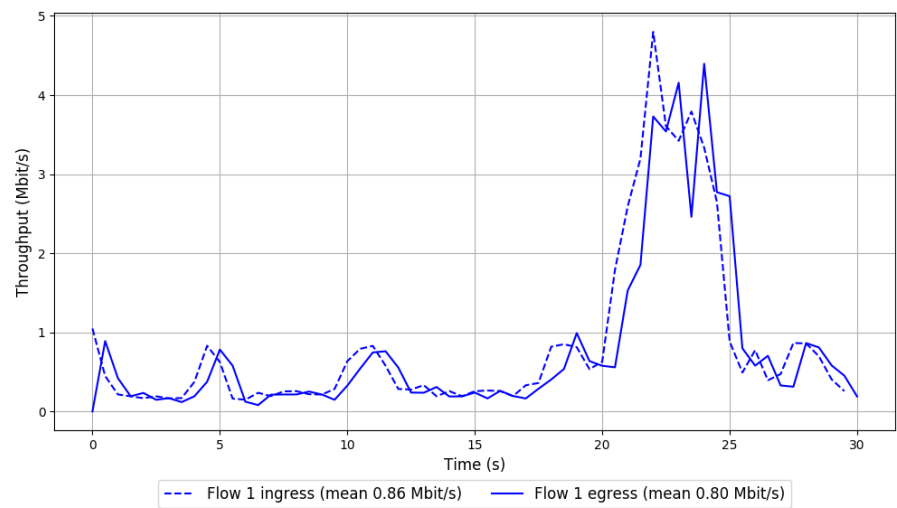


Run 8: Statistics of Sprout

Start at: 2018-06-30 10:31:25
End at: 2018-06-30 10:31:55
Local clock offset: 7.706 ms
Remote clock offset: -8.746 ms

Below is generated by plot.py at 2018-06-30 11:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 43.285 ms
Loss rate: 7.62%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 43.285 ms
Loss rate: 7.62%

Run 8: Report of Sprout — Data Link

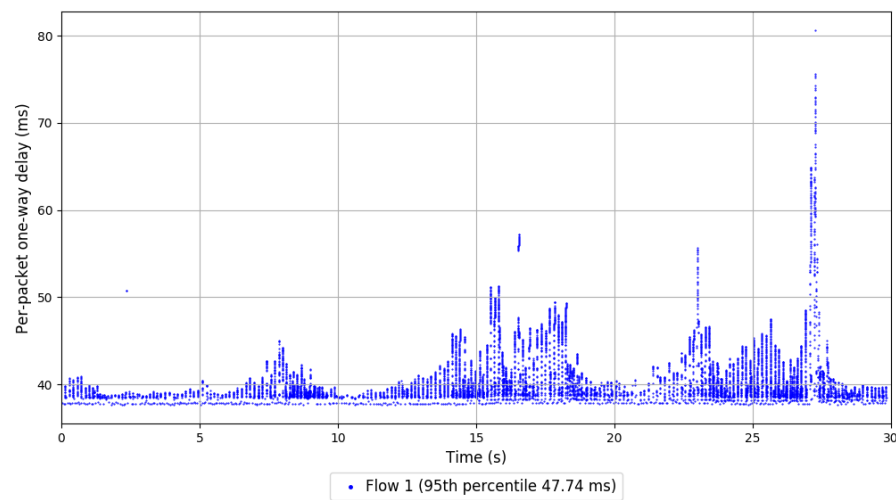
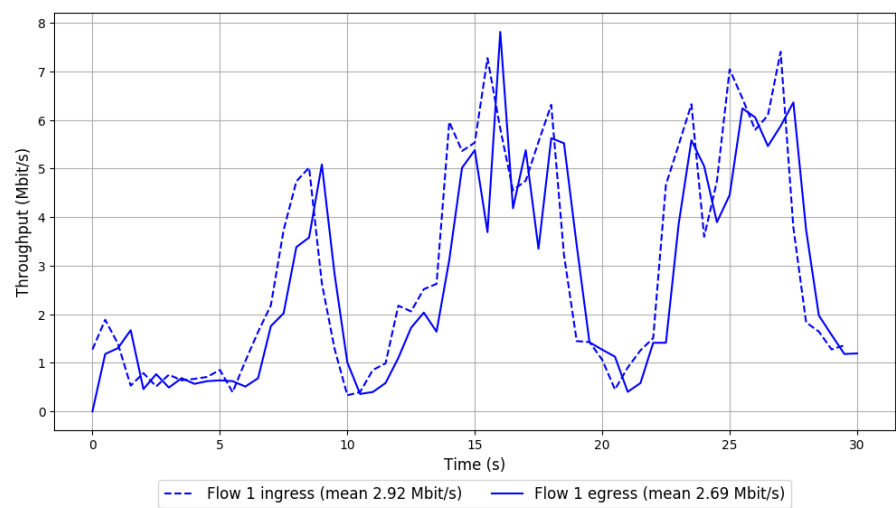


Run 9: Statistics of Sprout

Start at: 2018-06-30 11:03:33
End at: 2018-06-30 11:04:03
Local clock offset: 7.275 ms
Remote clock offset: -9.674 ms

Below is generated by plot.py at 2018-06-30 11:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 47.745 ms
Loss rate: 8.14%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 47.745 ms
Loss rate: 8.14%

Run 9: Report of Sprout — Data Link

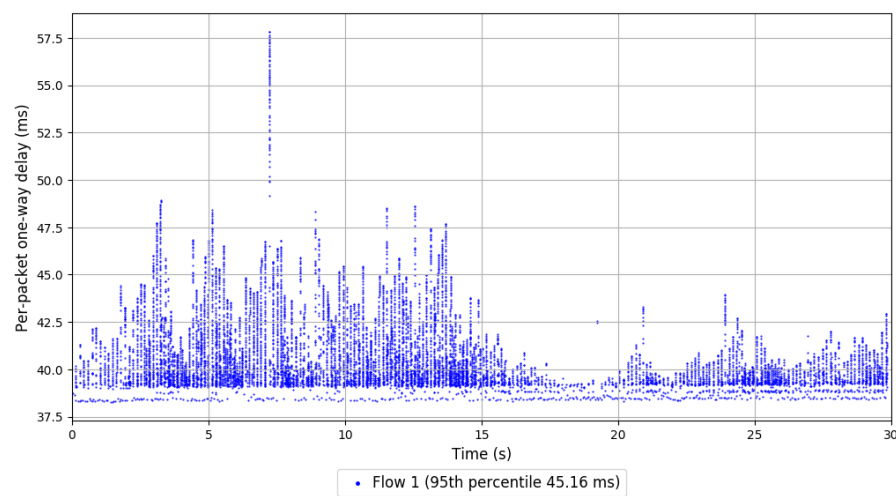
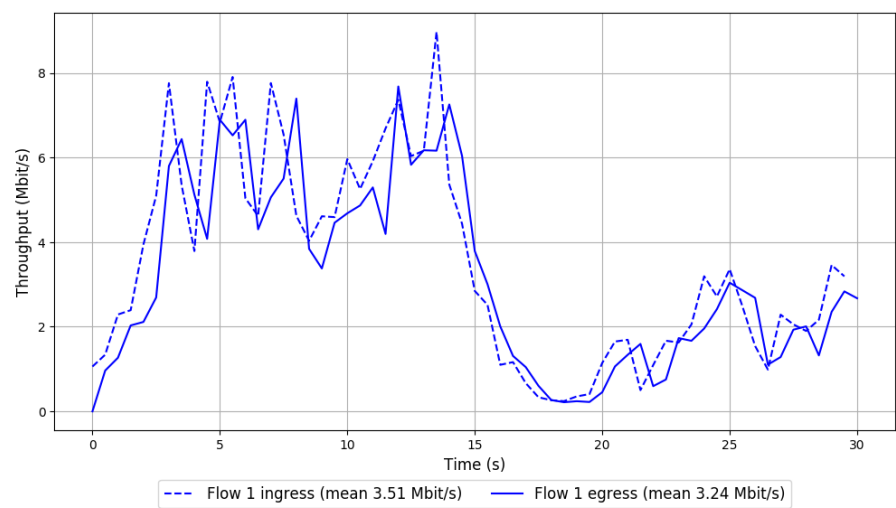


Run 10: Statistics of Sprout

Start at: 2018-06-30 11:36:15
End at: 2018-06-30 11:36:45
Local clock offset: 0.979 ms
Remote clock offset: -8.172 ms

Below is generated by plot.py at 2018-06-30 11:40:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 45.165 ms
Loss rate: 8.03%
-- Flow 1:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 45.165 ms
Loss rate: 8.03%

Run 10: Report of Sprout — Data Link

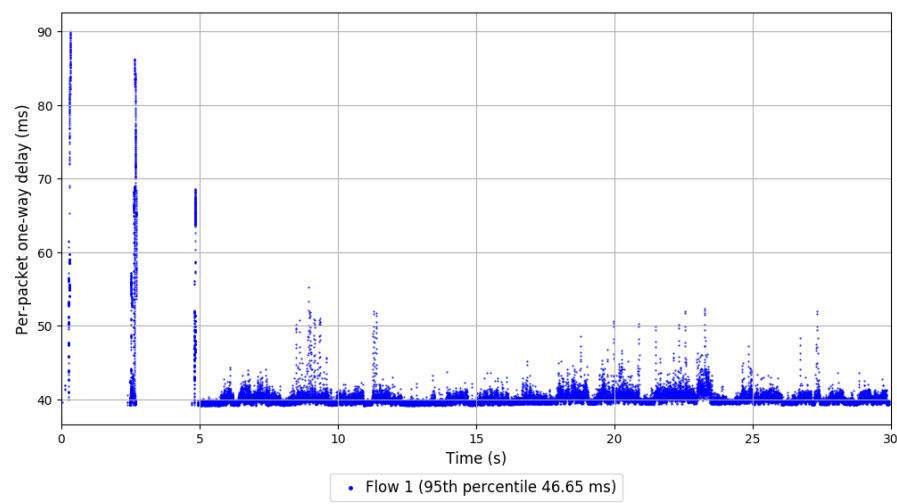
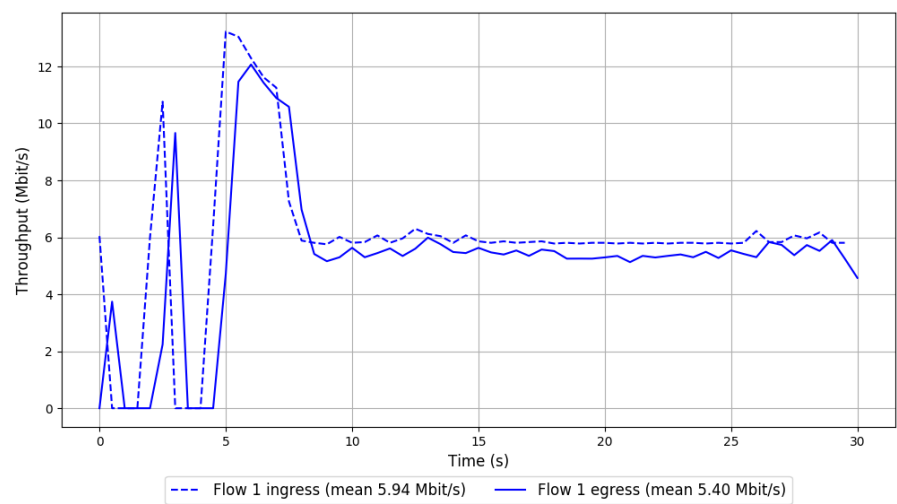


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 06:53:24
End at: 2018-06-30 06:53:54
Local clock offset: -0.864 ms
Remote clock offset: -9.382 ms

# Below is generated by plot.py at 2018-06-30 11:40:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 46.648 ms
Loss rate: 9.46%
-- Flow 1:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 46.648 ms
Loss rate: 9.46%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 07:26:34

End at: 2018-06-30 07:27:04

Local clock offset: -2.884 ms

Remote clock offset: -9.738 ms

Below is generated by plot.py at 2018-06-30 11:40:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 46.631 ms

Loss rate: 9.09%

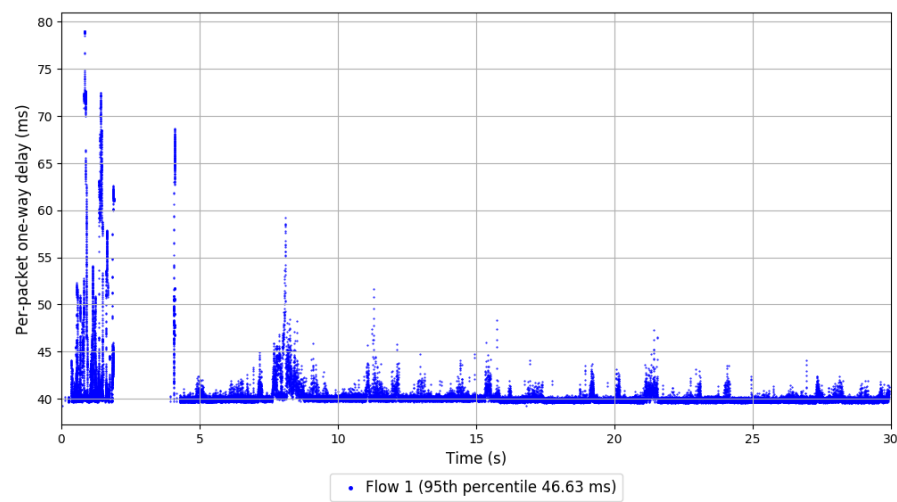
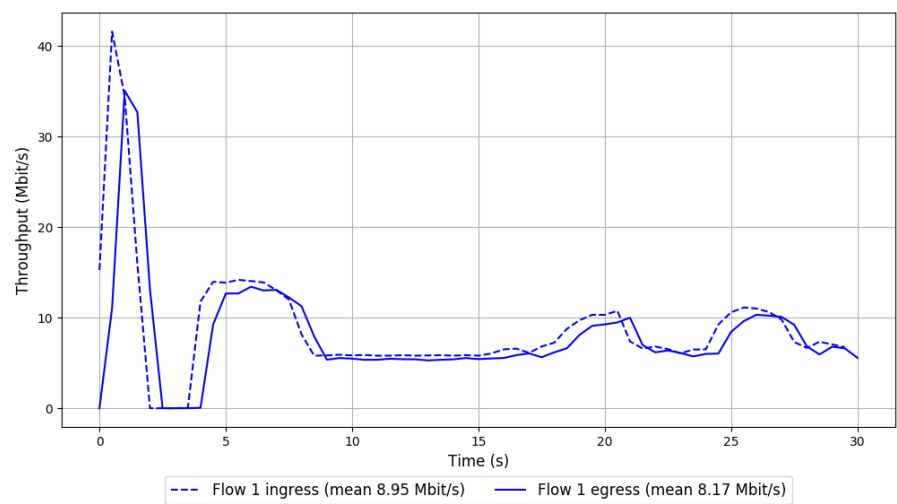
-- Flow 1:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 46.631 ms

Loss rate: 9.09%

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

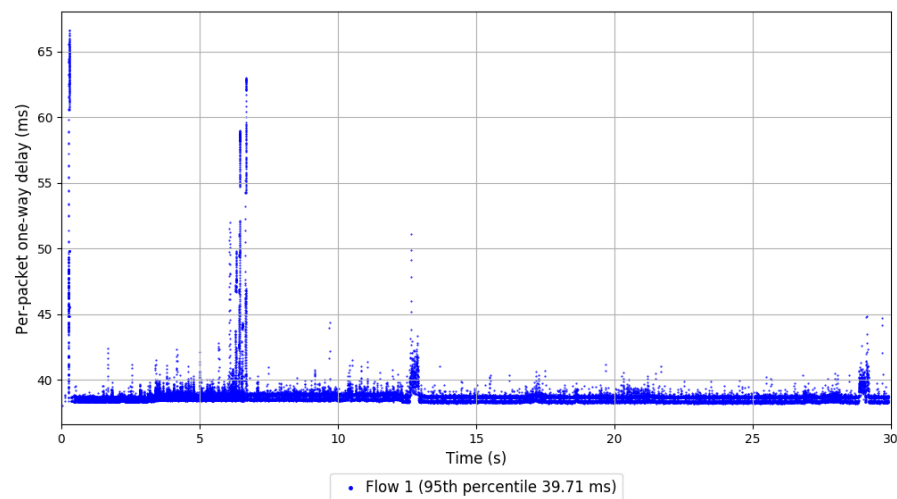
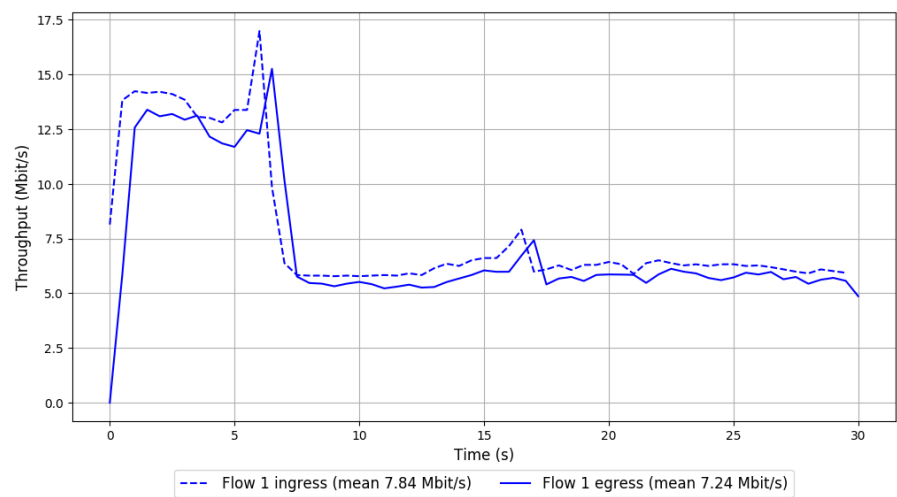


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 07:55:40
End at: 2018-06-30 07:56:10
Local clock offset: 2.675 ms
Remote clock offset: -10.175 ms

Below is generated by plot.py at 2018-06-30 11:40:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 39.707 ms
Loss rate: 7.98%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 39.707 ms
Loss rate: 7.98%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 08:26:28

End at: 2018-06-30 08:26:58

Local clock offset: -1.049 ms

Remote clock offset: -7.998 ms

Below is generated by plot.py at 2018-06-30 11:40:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 39.884 ms

Loss rate: 8.15%

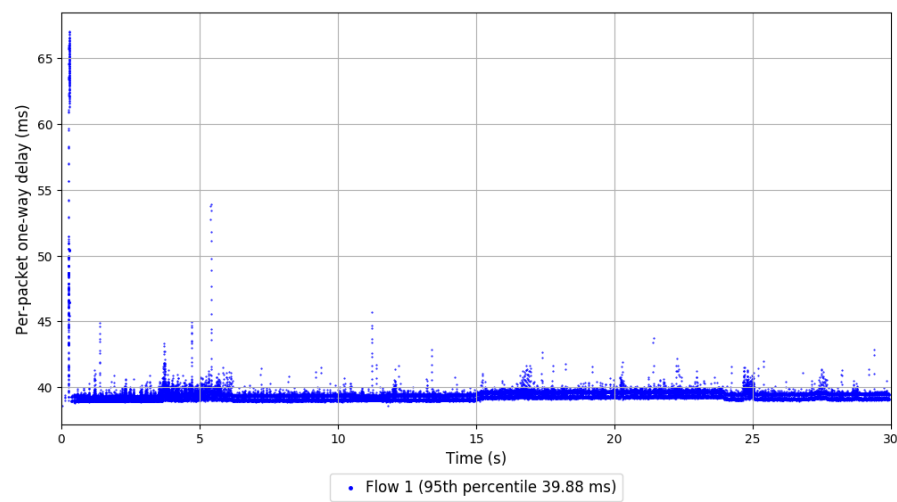
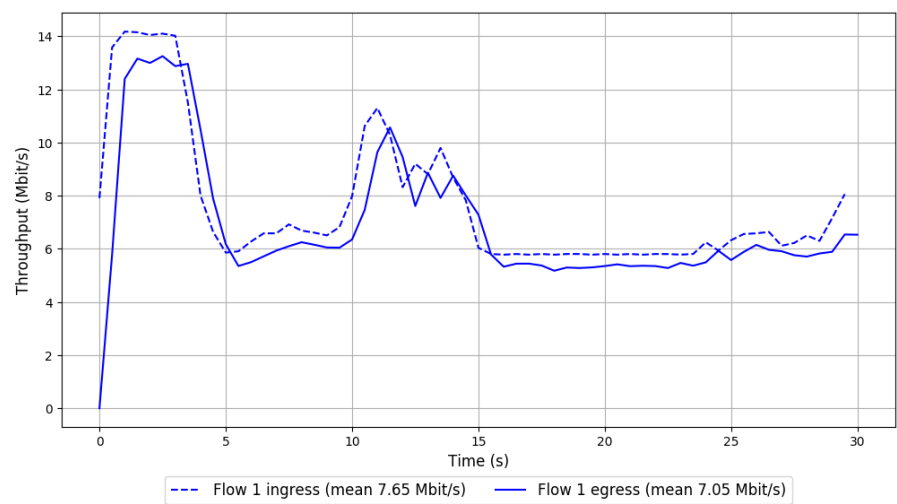
-- Flow 1:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 39.884 ms

Loss rate: 8.15%

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

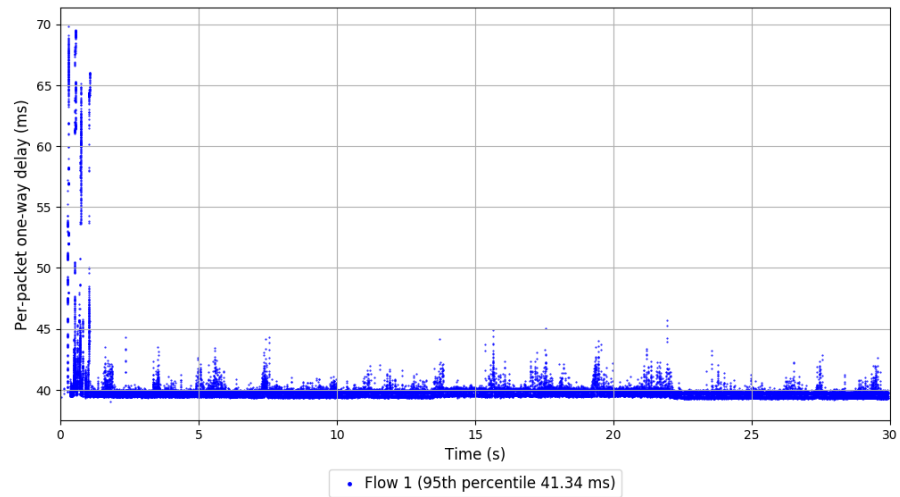
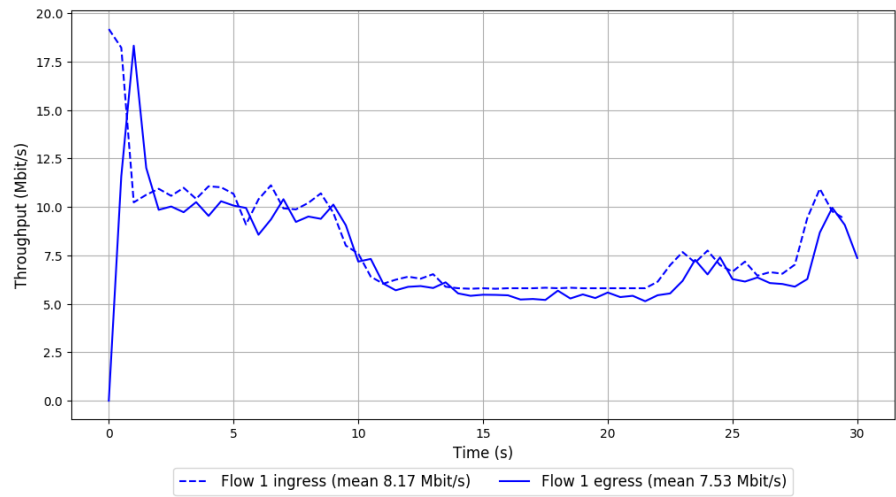


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 08:53:30
End at: 2018-06-30 08:54:00
Local clock offset: -0.803 ms
Remote clock offset: -10.261 ms

Below is generated by plot.py at 2018-06-30 11:40:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 41.344 ms
Loss rate: 8.17%
-- Flow 1:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 41.344 ms
Loss rate: 8.17%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 09:22:38

End at: 2018-06-30 09:23:08

Local clock offset: 2.819 ms

Remote clock offset: -9.942 ms

Below is generated by plot.py at 2018-06-30 11:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 39.806 ms

Loss rate: 7.84%

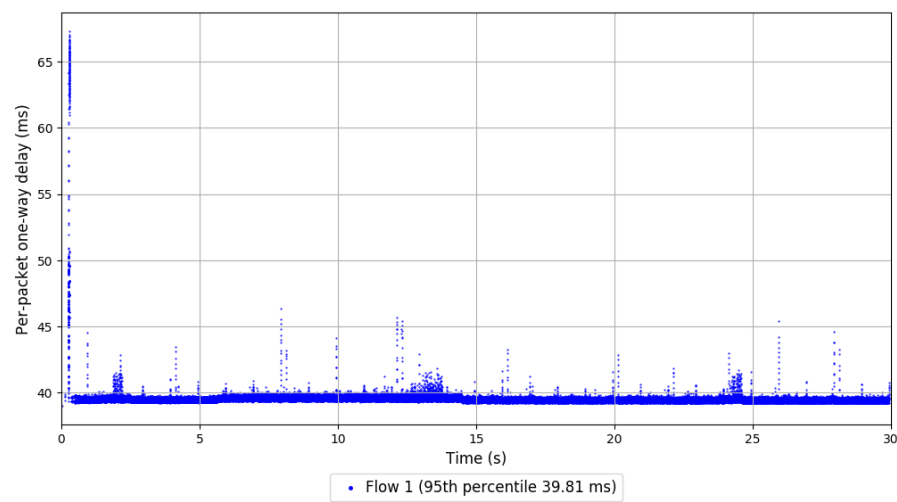
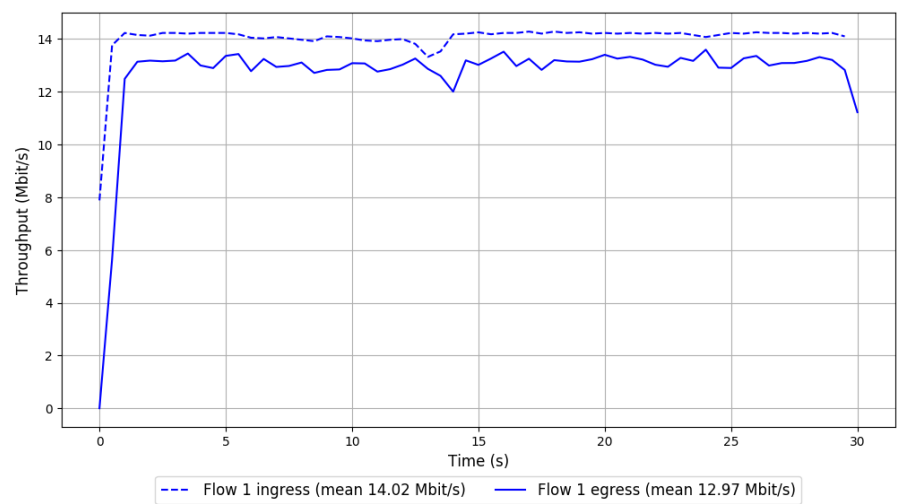
-- Flow 1:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 39.806 ms

Loss rate: 7.84%

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

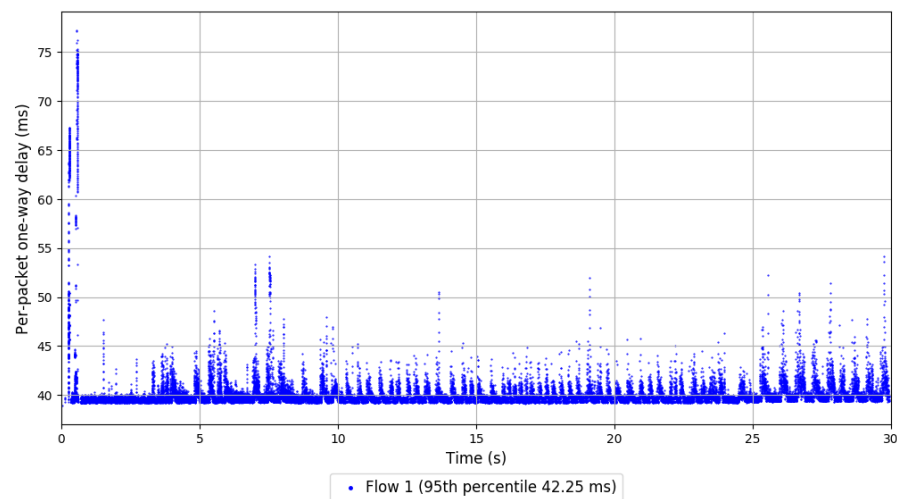
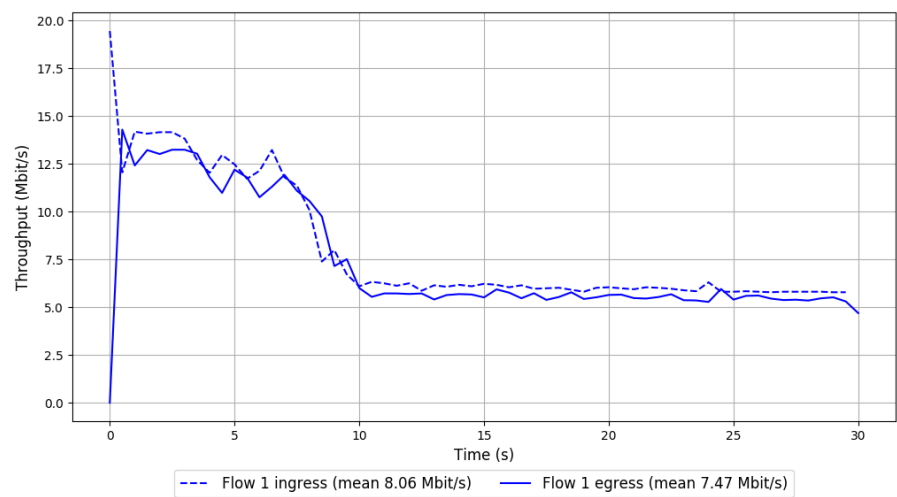


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 09:53:19
End at: 2018-06-30 09:53:49
Local clock offset: 2.578 ms
Remote clock offset: -11.113 ms

Below is generated by plot.py at 2018-06-30 11:41:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 42.253 ms
Loss rate: 7.73%
-- Flow 1:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 42.253 ms
Loss rate: 7.73%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 10:24:07

End at: 2018-06-30 10:24:37

Local clock offset: 5.823 ms

Remote clock offset: -9.314 ms

Below is generated by plot.py at 2018-06-30 11:41:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 41.977 ms

Loss rate: 7.76%

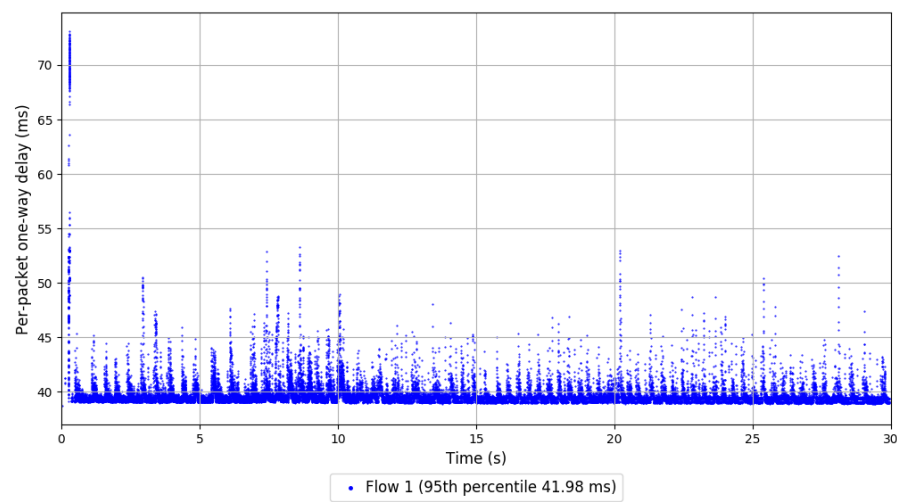
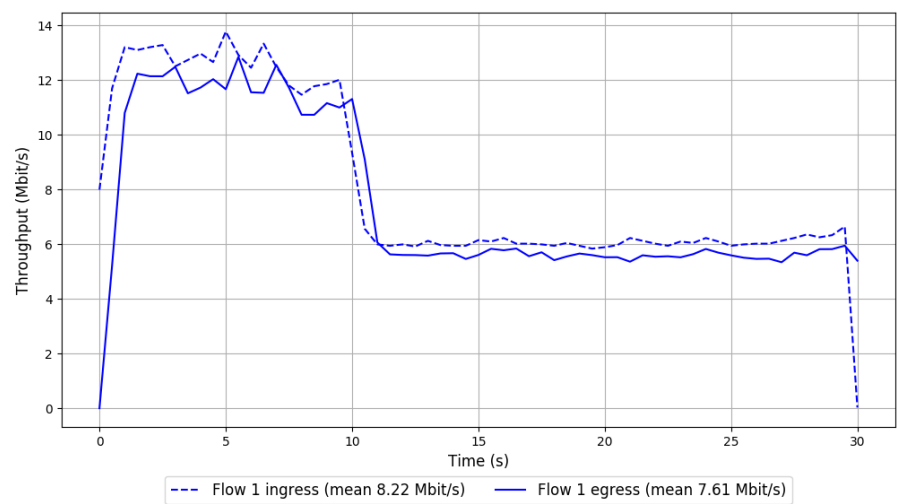
-- Flow 1:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 41.977 ms

Loss rate: 7.76%

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

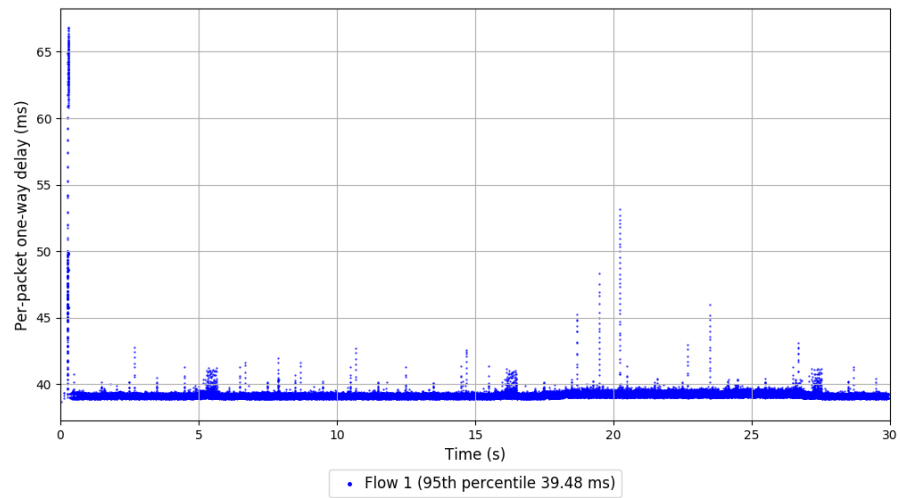
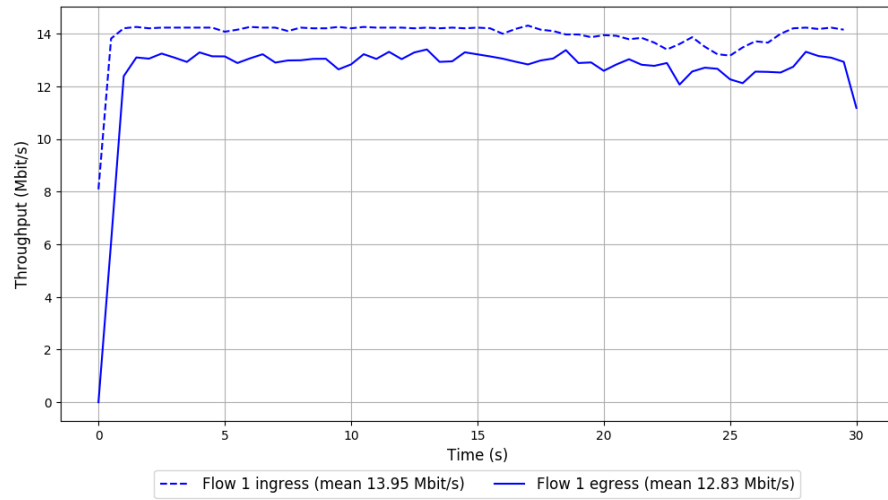


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 10:55:31
End at: 2018-06-30 10:56:01
Local clock offset: 7.665 ms
Remote clock offset: -9.642 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 39.483 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 39.483 ms
Loss rate: 8.29%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 11:28:35

End at: 2018-06-30 11:29:05

Local clock offset: 1.982 ms

Remote clock offset: -8.914 ms

Below is generated by plot.py at 2018-06-30 11:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 40.368 ms

Loss rate: 7.77%

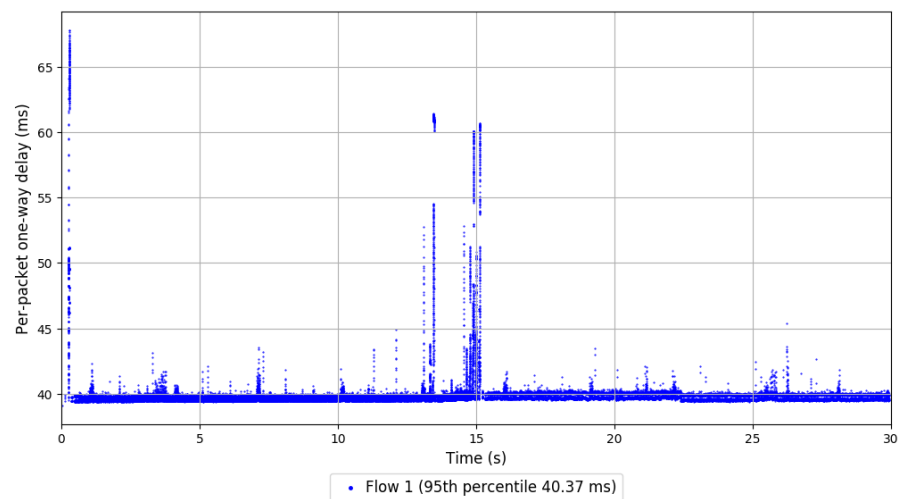
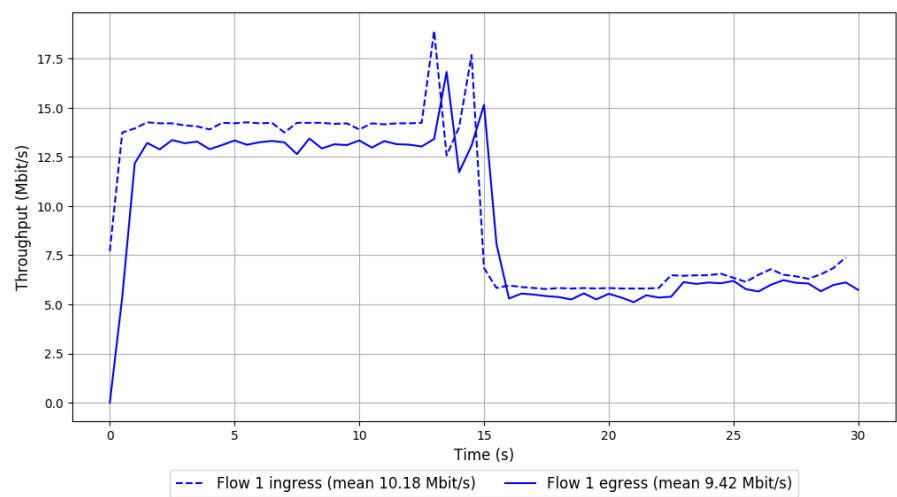
-- Flow 1:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 40.368 ms

Loss rate: 7.77%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 06:50:54

End at: 2018-06-30 06:51:24

Local clock offset: 0.043 ms

Remote clock offset: -9.247 ms

Below is generated by plot.py at 2018-06-30 11:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 39.592 ms

Loss rate: 9.80%

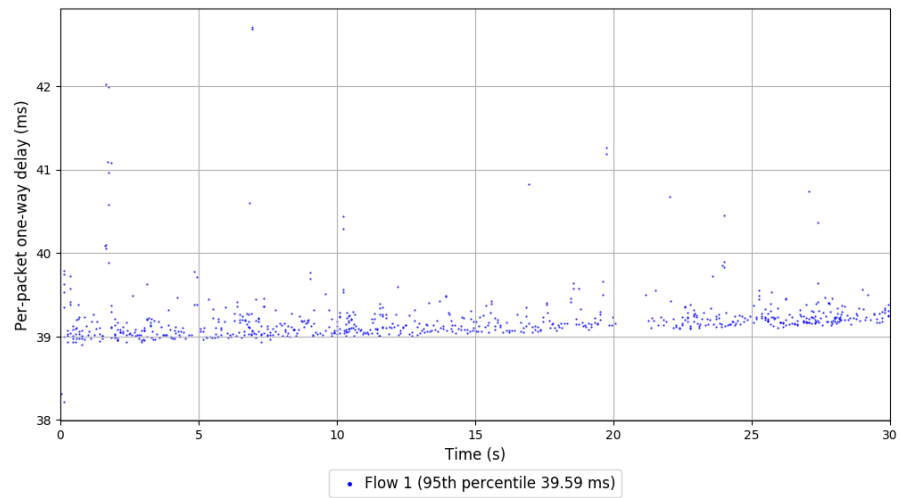
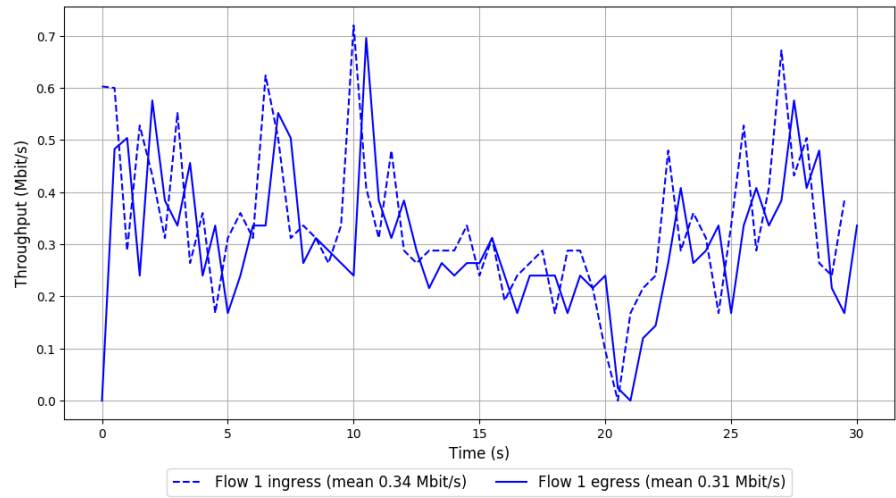
-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 39.592 ms

Loss rate: 9.80%

Run 1: Report of TCP Vegas — Data Link

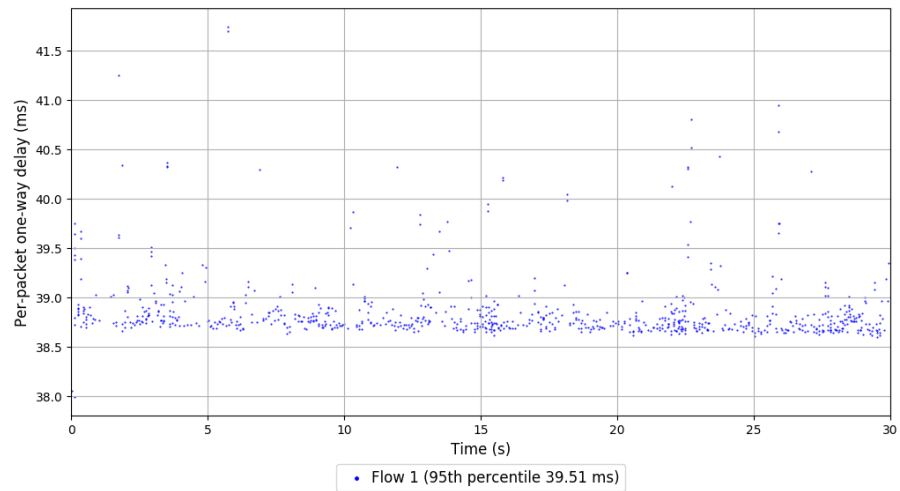
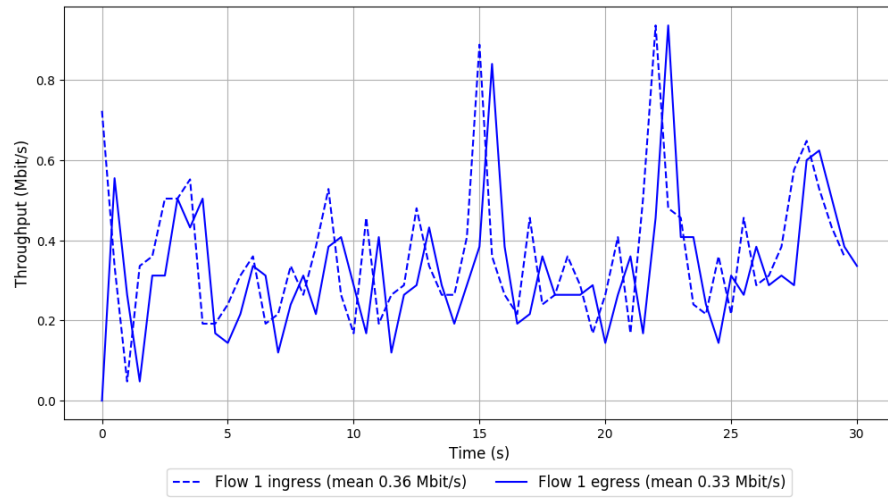


Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 07:24:04
End at: 2018-06-30 07:24:34
Local clock offset: -3.169 ms
Remote clock offset: -9.586 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 39.508 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 39.508 ms
Loss rate: 8.74%

Run 2: Report of TCP Vegas — Data Link

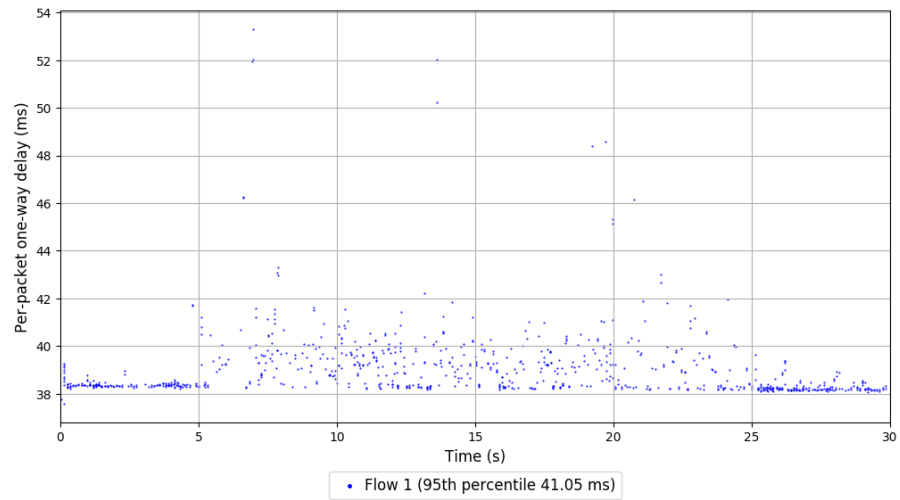
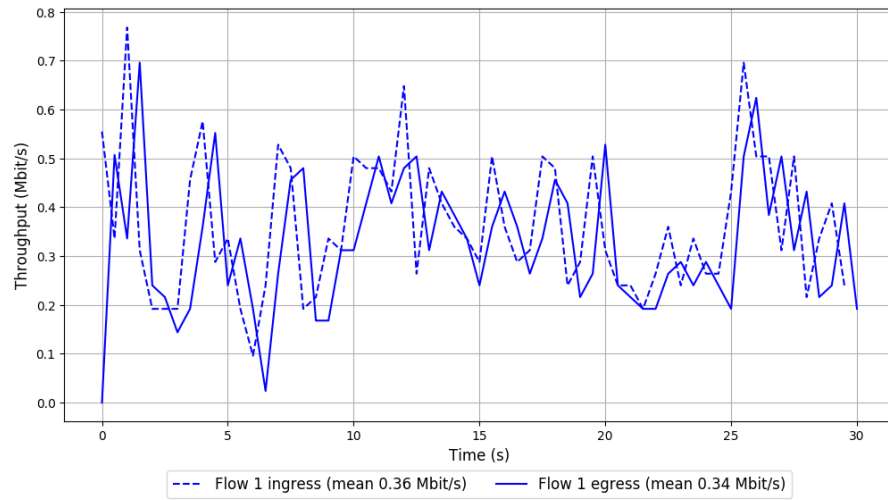


Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 07:53:09
End at: 2018-06-30 07:53:39
Local clock offset: 1.815 ms
Remote clock offset: -10.082 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 41.053 ms
Loss rate: 8.36%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 41.053 ms
Loss rate: 8.36%

Run 3: Report of TCP Vegas — Data Link

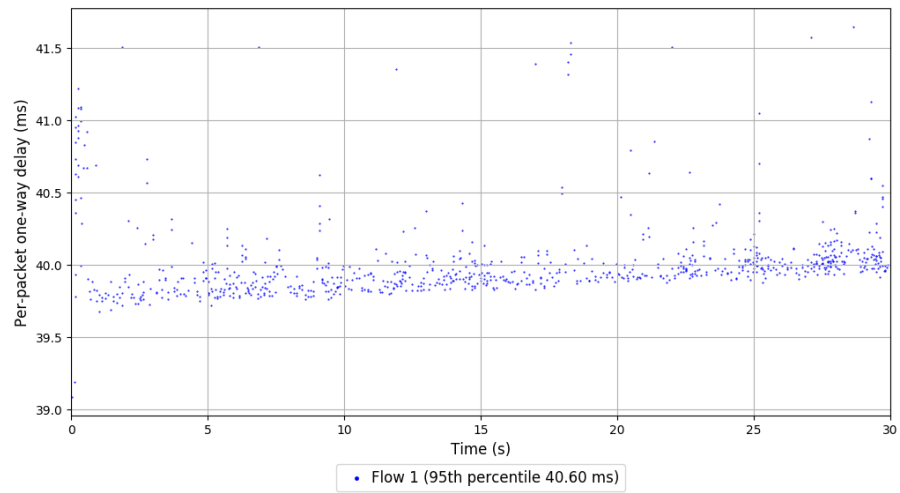
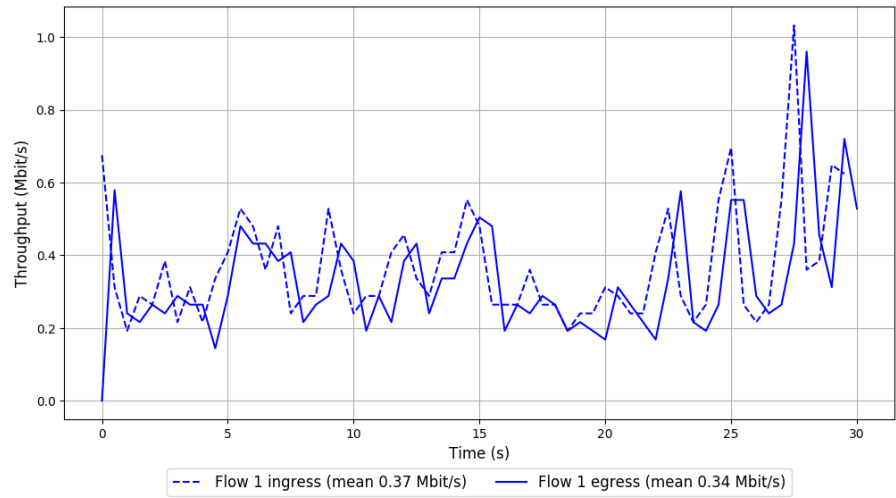


Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 08:23:57
End at: 2018-06-30 08:24:27
Local clock offset: -0.358 ms
Remote clock offset: -7.629 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 40.600 ms
Loss rate: 8.28%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 40.600 ms
Loss rate: 8.28%

Run 4: Report of TCP Vegas — Data Link

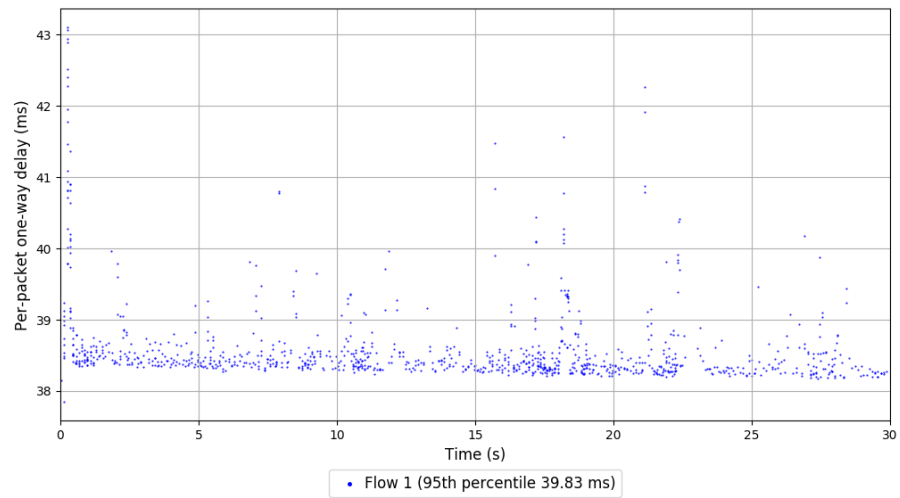
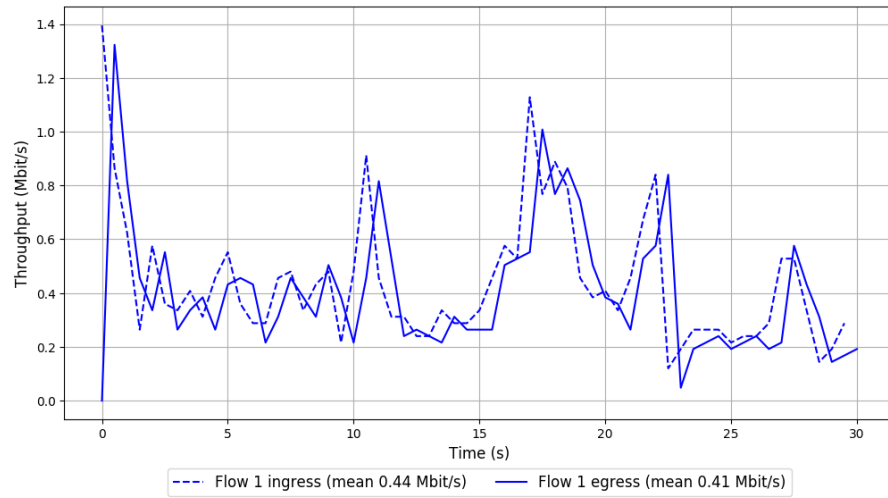


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 08:50:59
End at: 2018-06-30 08:51:29
Local clock offset: -1.768 ms
Remote clock offset: -9.945 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 39.833 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 39.833 ms
Loss rate: 6.71%

Run 5: Report of TCP Vegas — Data Link

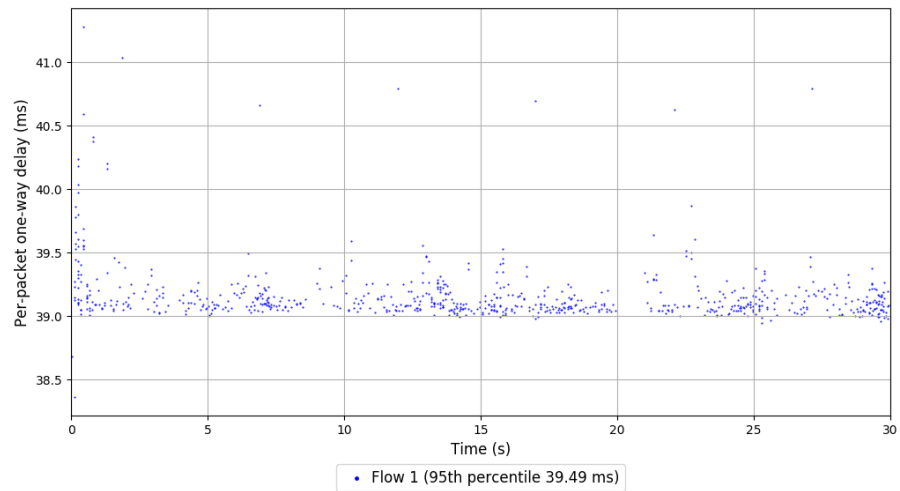
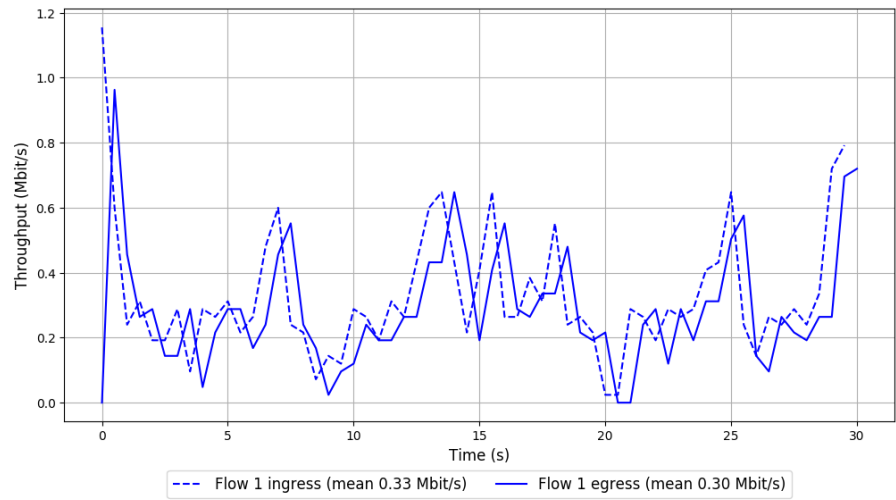


Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 09:20:07
End at: 2018-06-30 09:20:37
Local clock offset: 2.547 ms
Remote clock offset: -10.029 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 39.490 ms
Loss rate: 10.75%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 39.490 ms
Loss rate: 10.75%

Run 6: Report of TCP Vegas — Data Link

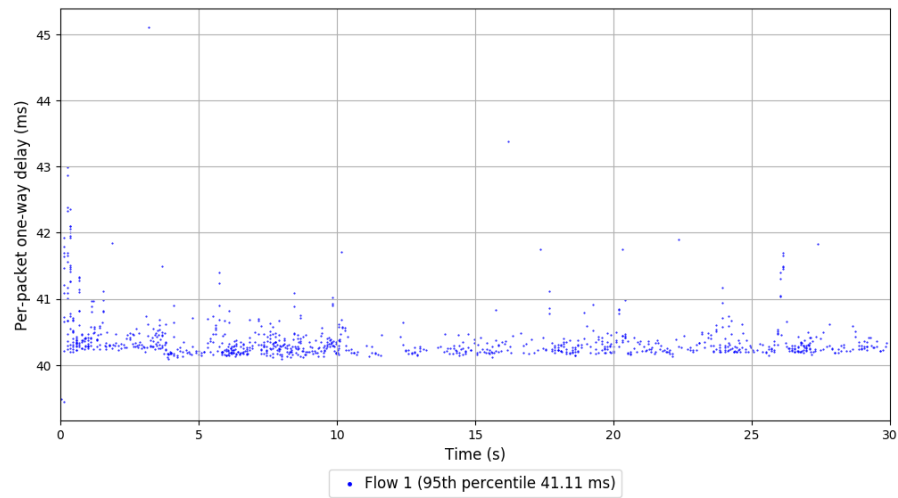
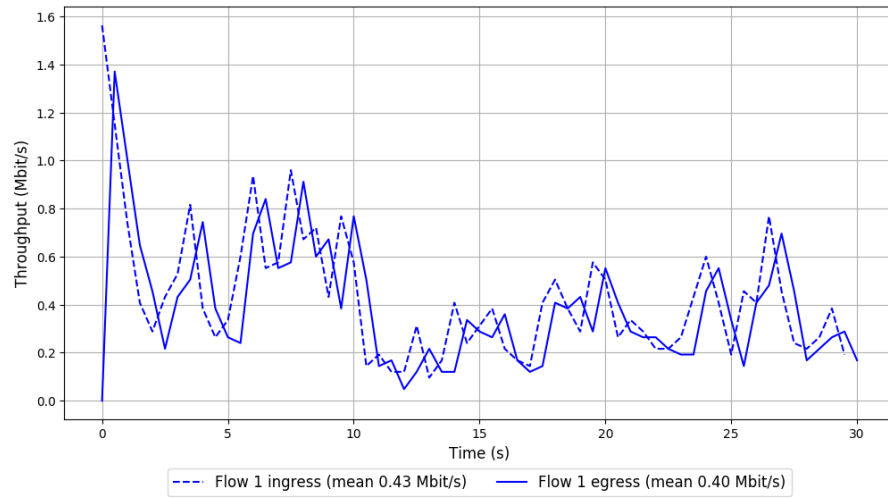


Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 09:50:48
End at: 2018-06-30 09:51:18
Local clock offset: 3.129 ms
Remote clock offset: -11.418 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 41.114 ms
Loss rate: 8.03%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 41.114 ms
Loss rate: 8.03%

Run 7: Report of TCP Vegas — Data Link

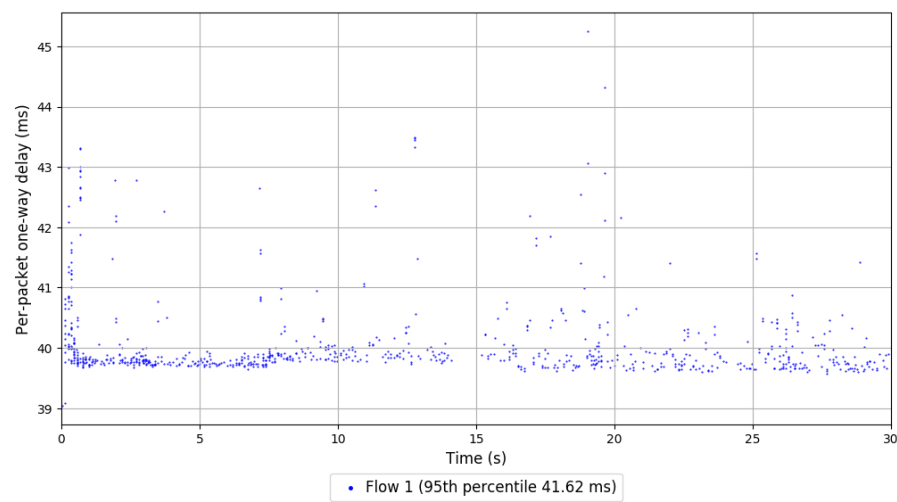
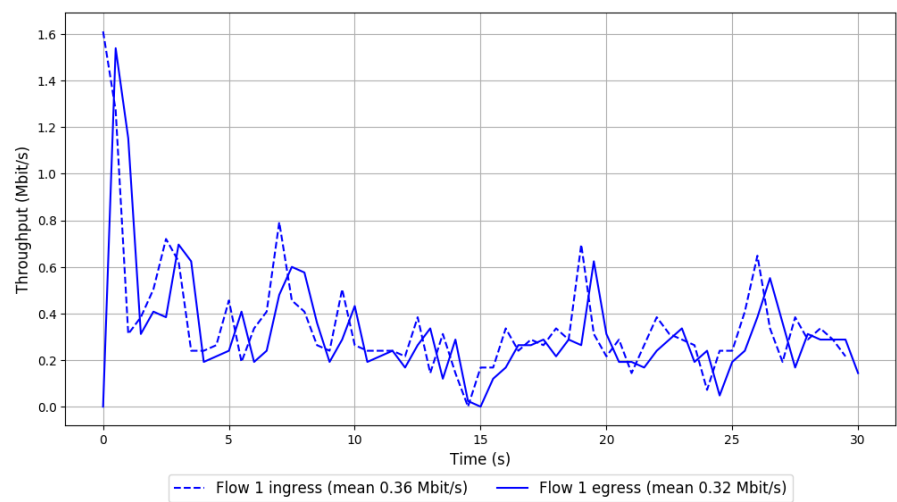


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 10:21:36
End at: 2018-06-30 10:22:06
Local clock offset: 4.935 ms
Remote clock offset: -9.674 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 41.623 ms
Loss rate: 9.46%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 41.623 ms
Loss rate: 9.46%

Run 8: Report of TCP Vegas — Data Link

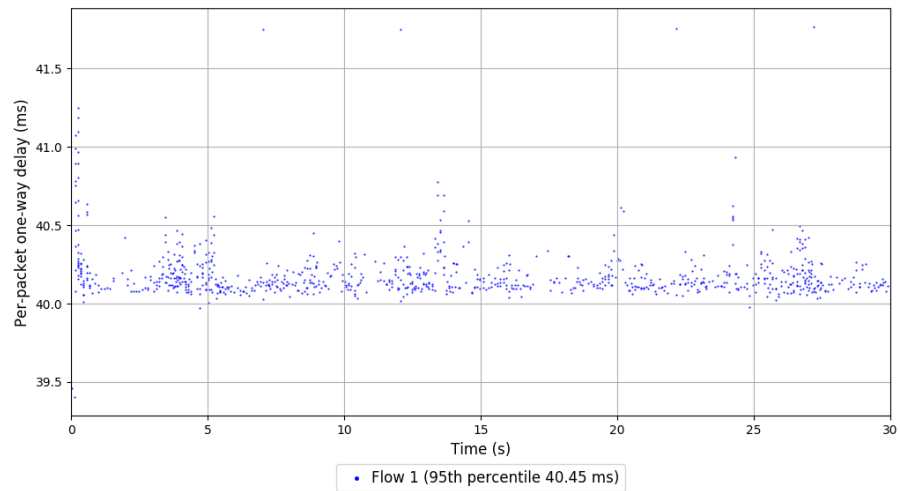
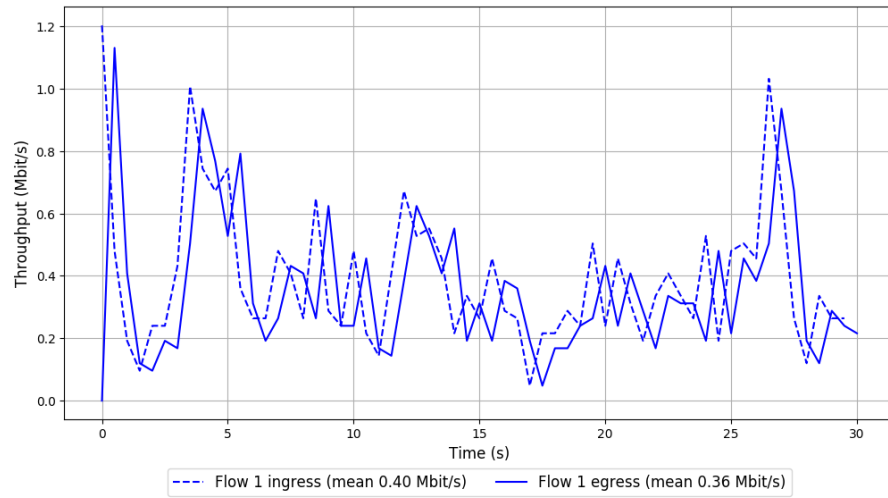


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 10:53:01
End at: 2018-06-30 10:53:31
Local clock offset: 7.923 ms
Remote clock offset: -9.348 ms

Below is generated by plot.py at 2018-06-30 11:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 40.446 ms
Loss rate: 8.10%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 40.446 ms
Loss rate: 8.10%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 11:26:04

End at: 2018-06-30 11:26:34

Local clock offset: 2.709 ms

Remote clock offset: -9.199 ms

Below is generated by plot.py at 2018-06-30 11:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 40.730 ms

Loss rate: 8.79%

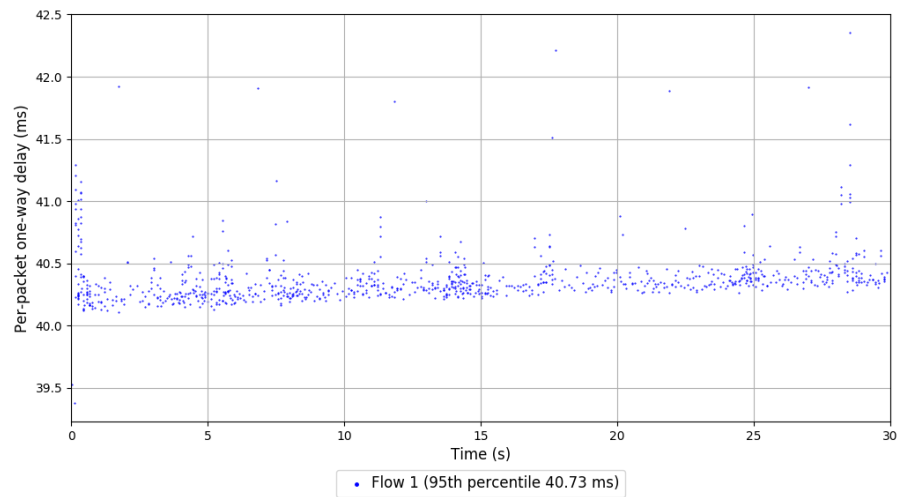
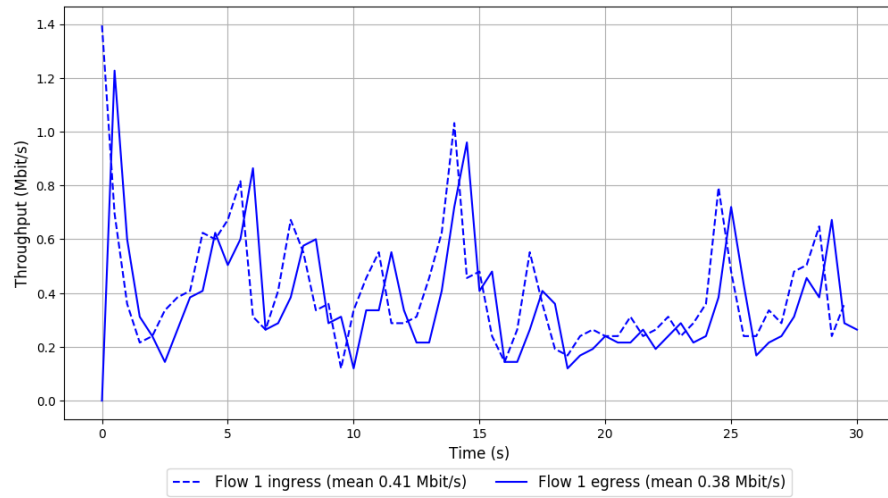
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 40.730 ms

Loss rate: 8.79%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-30 06:48:08

End at: 2018-06-30 06:48:38

Local clock offset: 1.469 ms

Remote clock offset: -9.361 ms

Below is generated by plot.py at 2018-06-30 11:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 77.598 ms

Loss rate: 31.04%

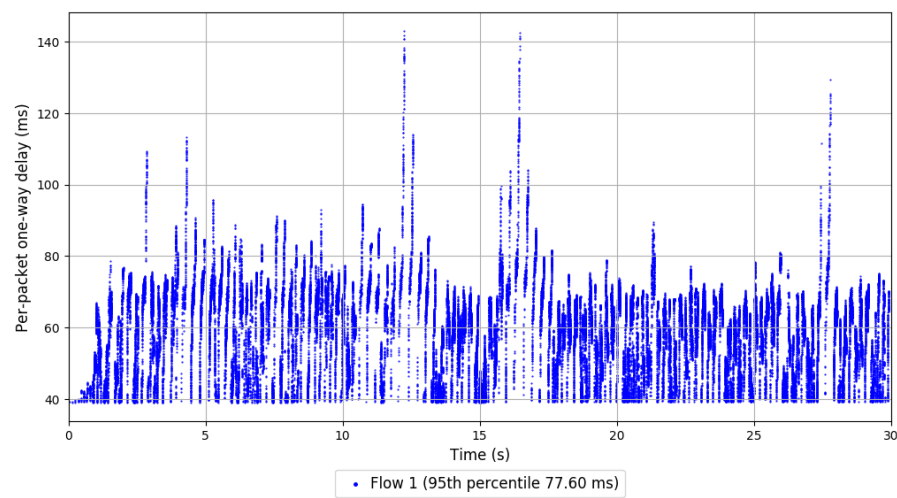
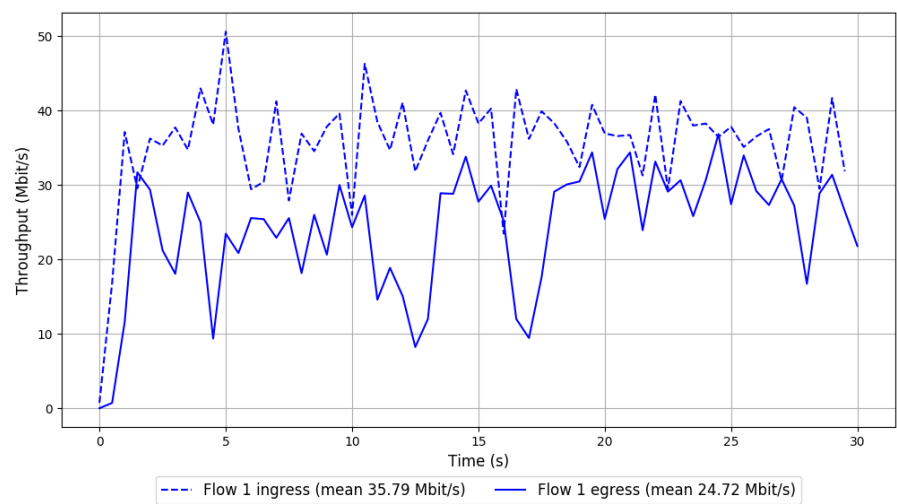
-- Flow 1:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 77.598 ms

Loss rate: 31.04%

Run 1: Report of Verus — Data Link

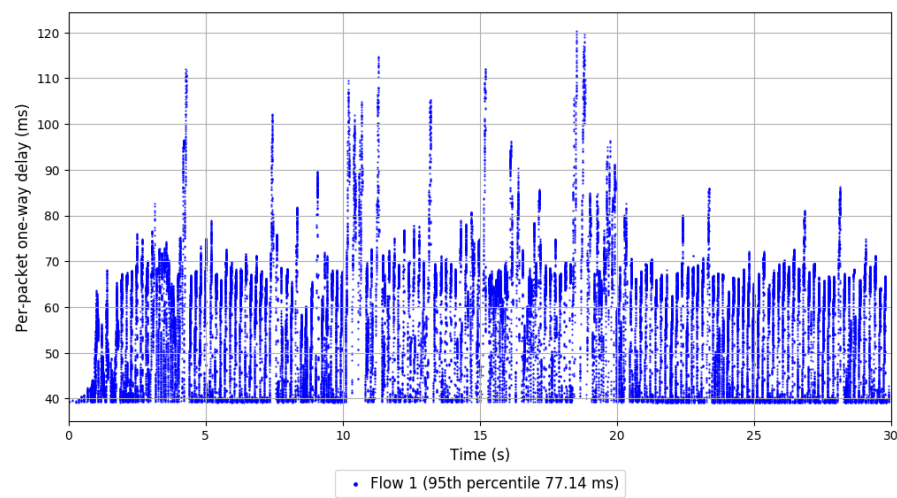
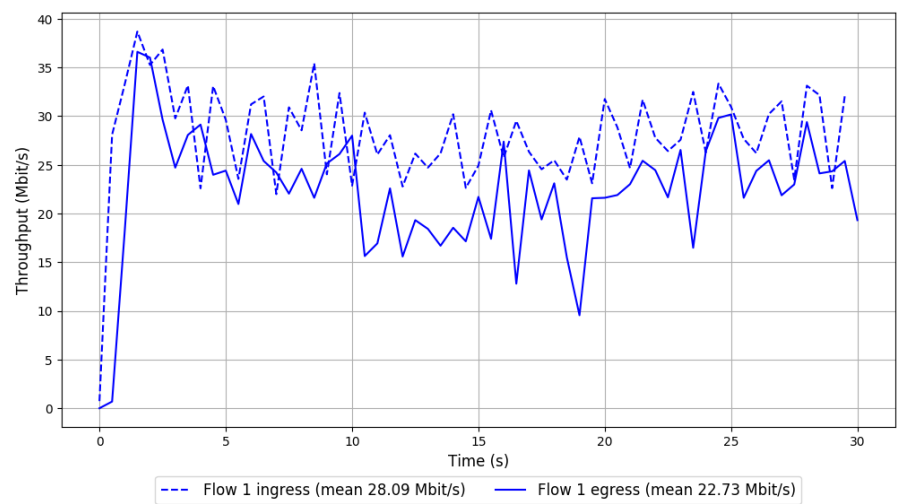


Run 2: Statistics of Verus

Start at: 2018-06-30 07:21:30
End at: 2018-06-30 07:22:00
Local clock offset: -3.512 ms
Remote clock offset: -8.973 ms

Below is generated by plot.py at 2018-06-30 11:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 77.143 ms
Loss rate: 19.36%
-- Flow 1:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 77.143 ms
Loss rate: 19.36%

Run 2: Report of Verus — Data Link

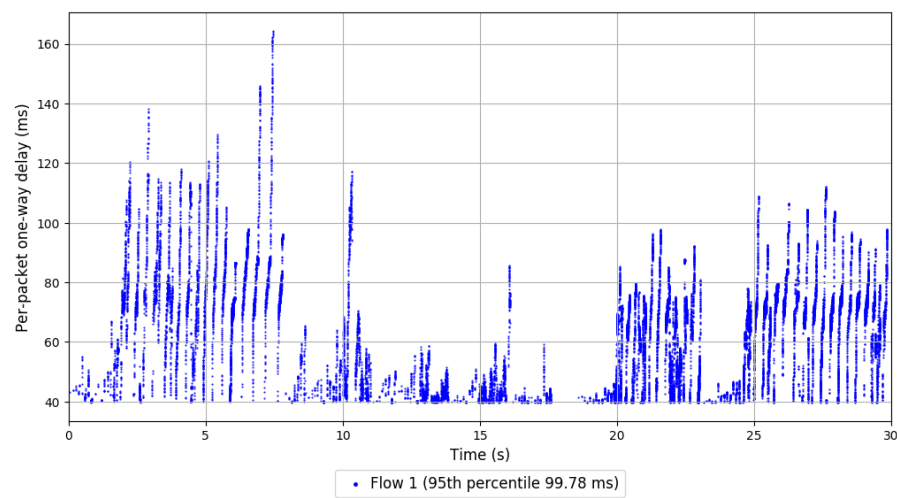
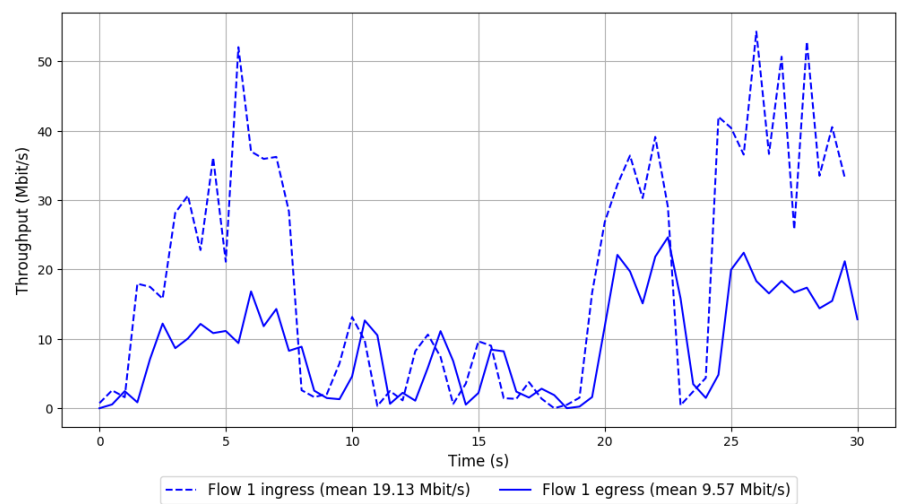


Run 3: Statistics of Verus

Start at: 2018-06-30 07:51:10
End at: 2018-06-30 07:51:40
Local clock offset: 1.06 ms
Remote clock offset: -10.355 ms

Below is generated by plot.py at 2018-06-30 11:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 99.779 ms
Loss rate: 50.28%
-- Flow 1:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 99.779 ms
Loss rate: 50.28%

Run 3: Report of Verus — Data Link

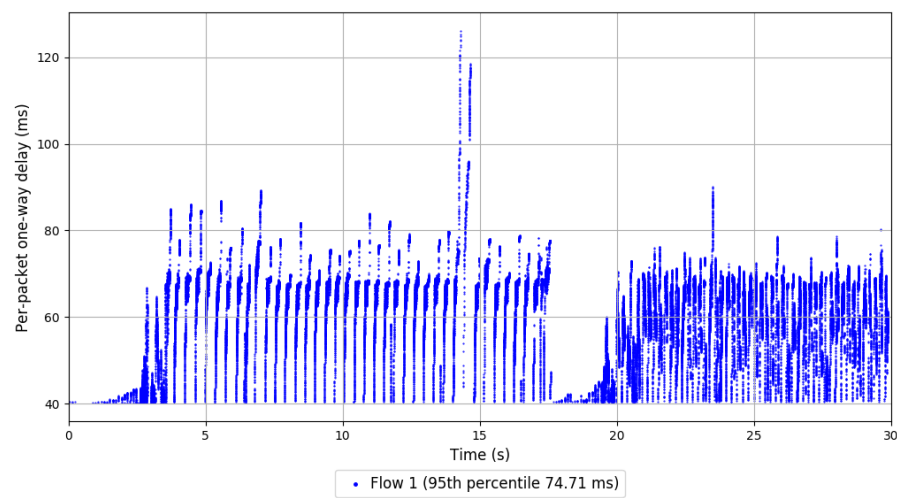
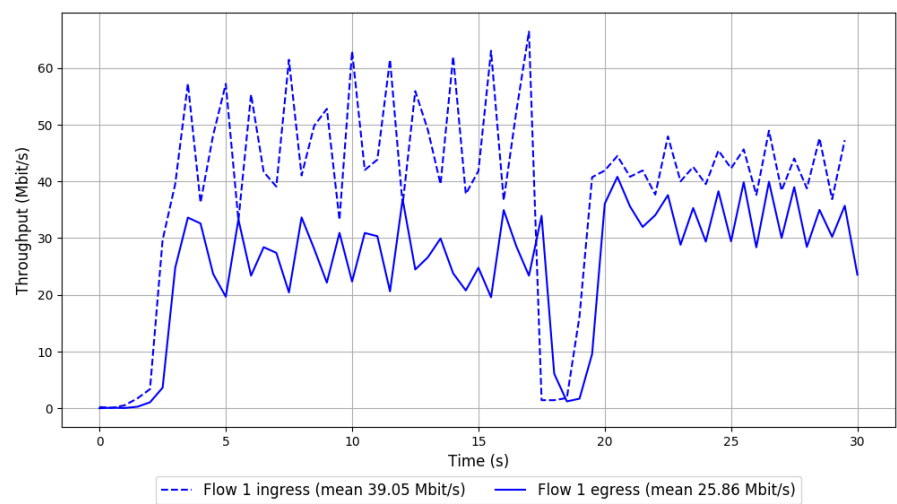


Run 4: Statistics of Verus

Start at: 2018-06-30 08:21:08
End at: 2018-06-30 08:21:38
Local clock offset: 1.208 ms
Remote clock offset: -8.125 ms

Below is generated by plot.py at 2018-06-30 11:41:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 74.707 ms
Loss rate: 34.08%
-- Flow 1:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 74.707 ms
Loss rate: 34.08%

Run 4: Report of Verus — Data Link

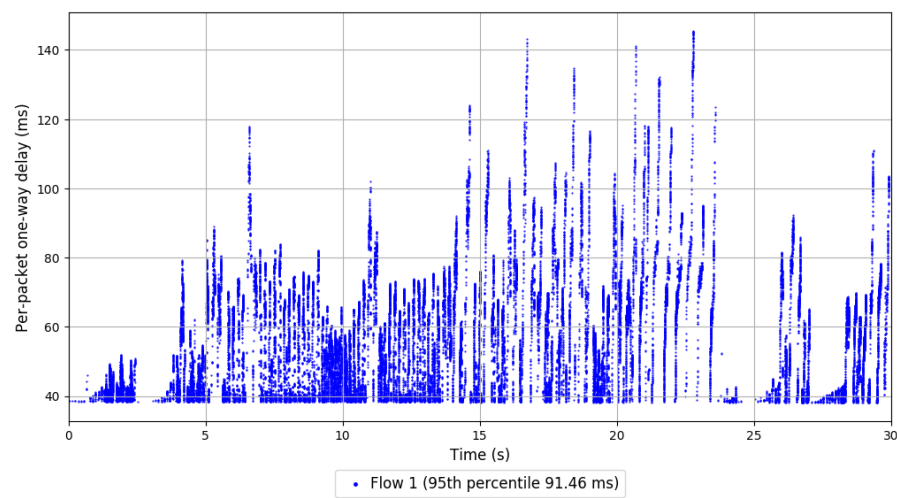
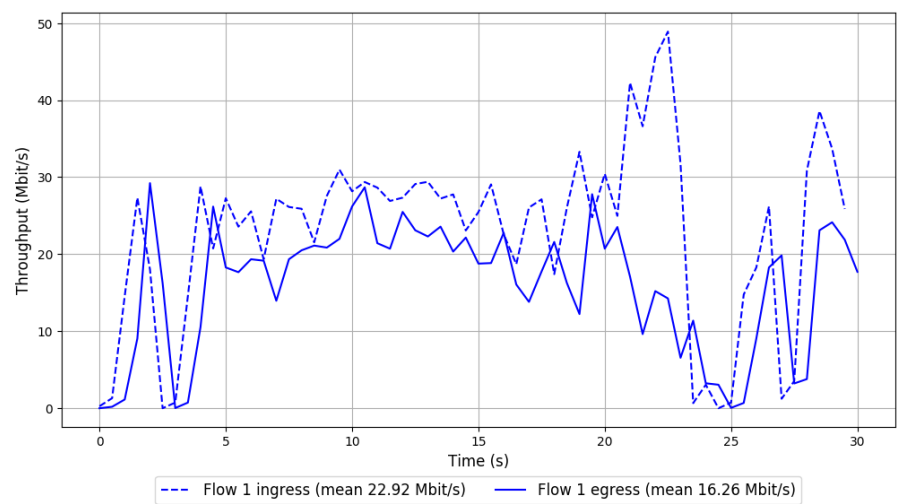


Run 5: Statistics of Verus

Start at: 2018-06-30 08:48:43
End at: 2018-06-30 08:49:13
Local clock offset: -2.906 ms
Remote clock offset: -10.153 ms

Below is generated by plot.py at 2018-06-30 11:41:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 91.459 ms
Loss rate: 28.90%
-- Flow 1:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 91.459 ms
Loss rate: 28.90%

Run 5: Report of Verus — Data Link

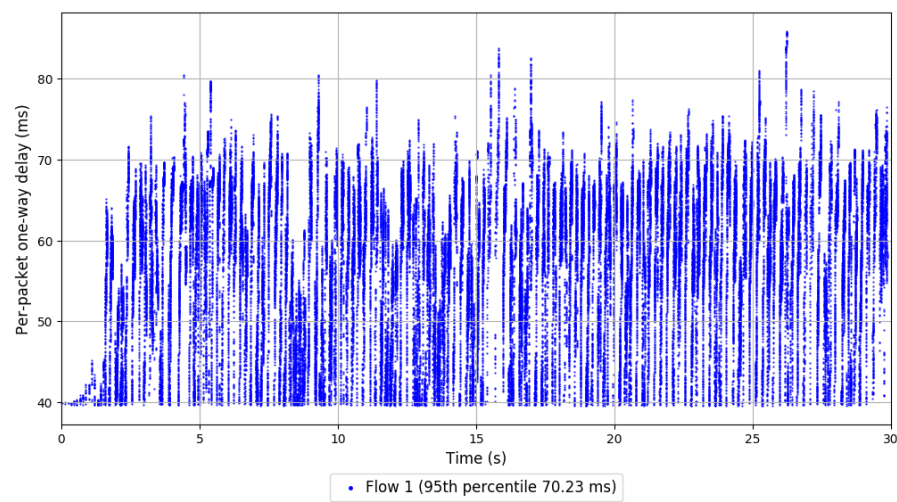
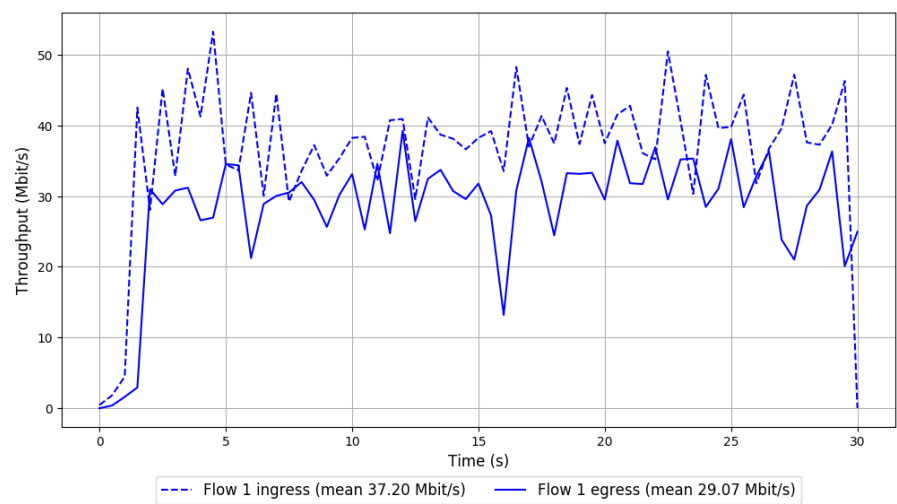


Run 6: Statistics of Verus

Start at: 2018-06-30 09:17:15
End at: 2018-06-30 09:17:45
Local clock offset: 2.097 ms
Remote clock offset: -10.069 ms

Below is generated by plot.py at 2018-06-30 11:41:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 70.227 ms
Loss rate: 22.35%
-- Flow 1:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 70.227 ms
Loss rate: 22.35%

Run 6: Report of Verus — Data Link

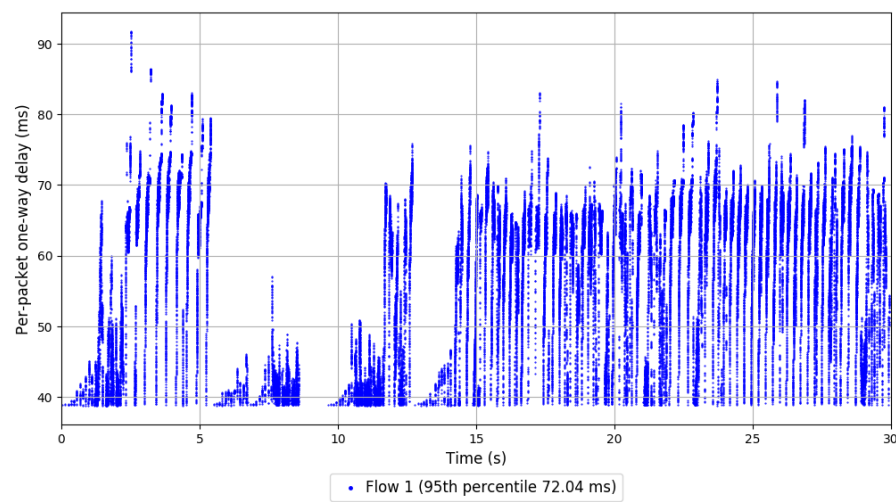
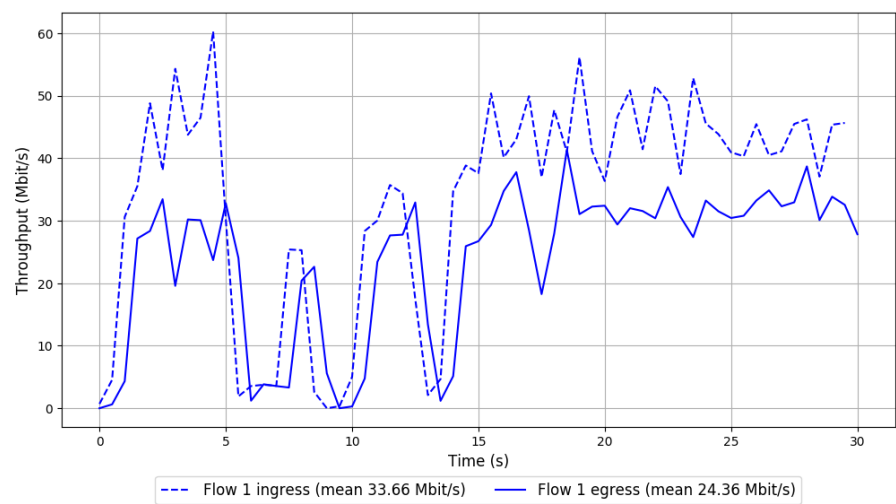


Run 7: Statistics of Verus

Start at: 2018-06-30 09:48:09
End at: 2018-06-30 09:48:39
Local clock offset: 3.756 ms
Remote clock offset: -10.876 ms

Below is generated by plot.py at 2018-06-30 11:41:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 72.038 ms
Loss rate: 27.84%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 72.038 ms
Loss rate: 27.84%

Run 7: Report of Verus — Data Link

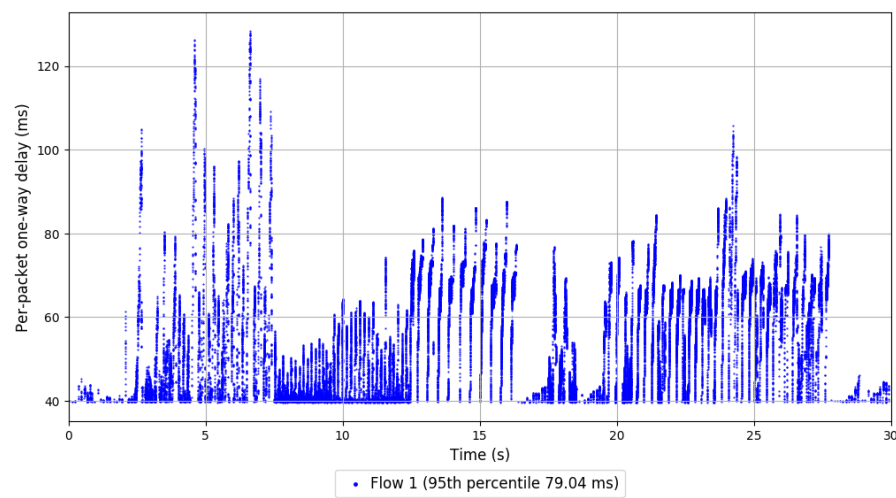
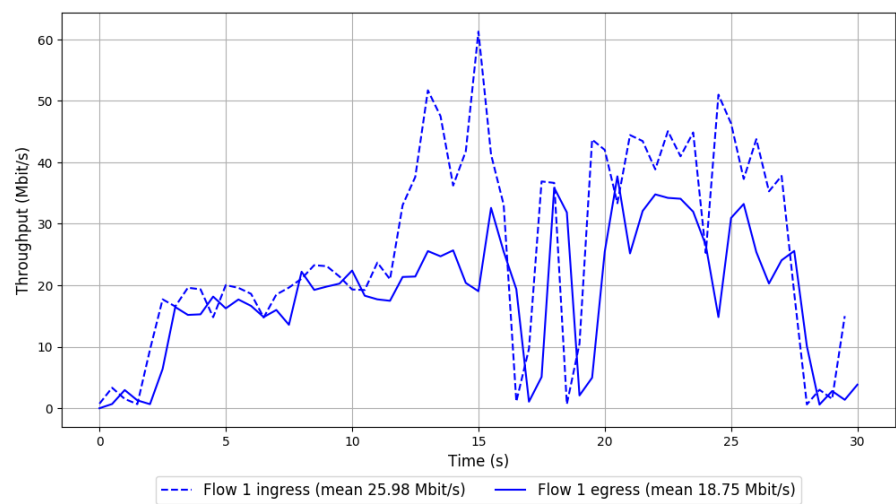


Run 8: Statistics of Verus

Start at: 2018-06-30 10:19:18
End at: 2018-06-30 10:19:48
Local clock offset: 3.831 ms
Remote clock offset: -10.095 ms

Below is generated by plot.py at 2018-06-30 11:41:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 79.043 ms
Loss rate: 28.06%
-- Flow 1:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 79.043 ms
Loss rate: 28.06%

Run 8: Report of Verus — Data Link

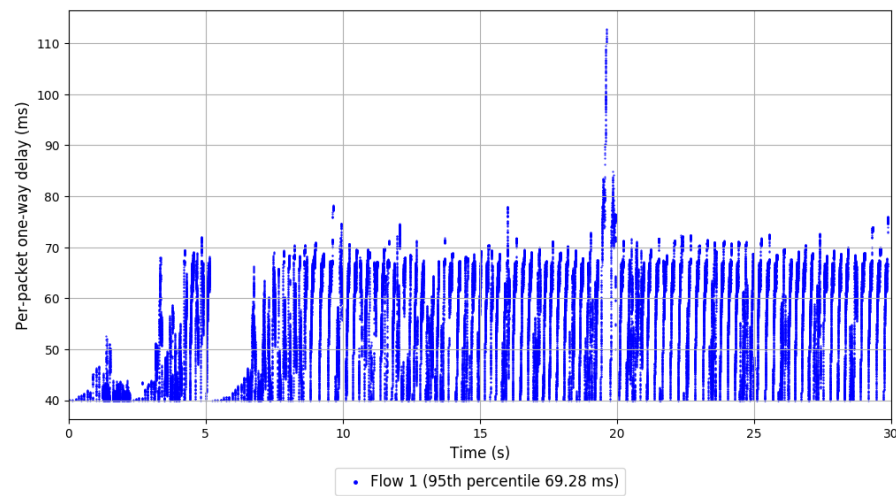
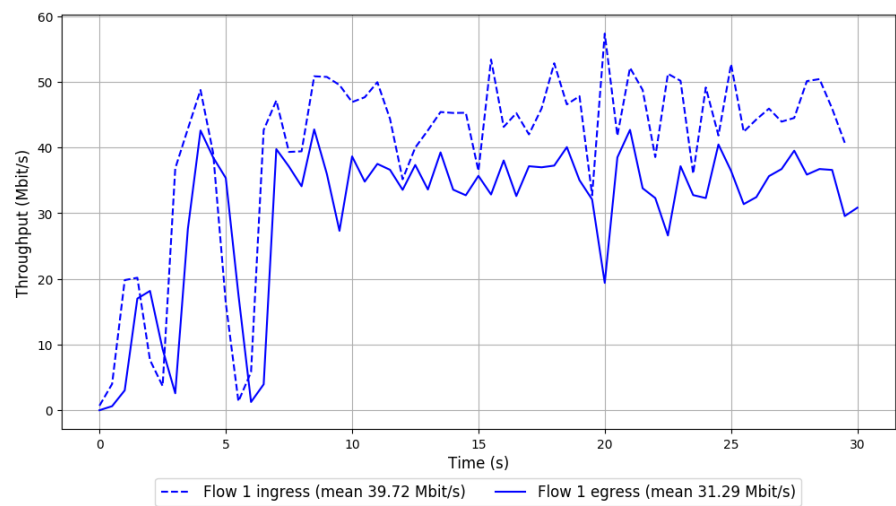


Run 9: Statistics of Verus

Start at: 2018-06-30 10:50:00
End at: 2018-06-30 10:50:30
Local clock offset: 8.366 ms
Remote clock offset: -8.911 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 69.278 ms
Loss rate: 21.64%
-- Flow 1:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 69.278 ms
Loss rate: 21.64%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

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

End at: 2018-06-30 11:23:41

Local clock offset: 3.524 ms

Remote clock offset: -9.63 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.39 Mbit/s

95th percentile per-packet one-way delay: 71.750 ms

Loss rate: 26.12%

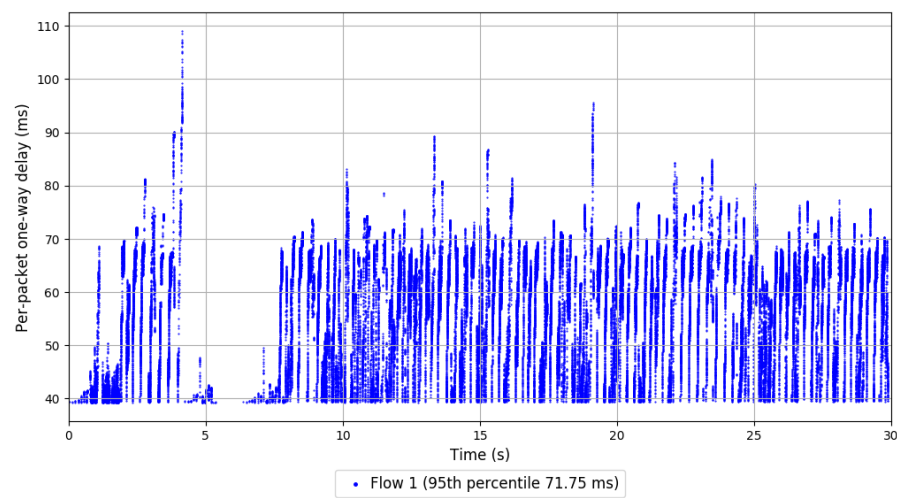
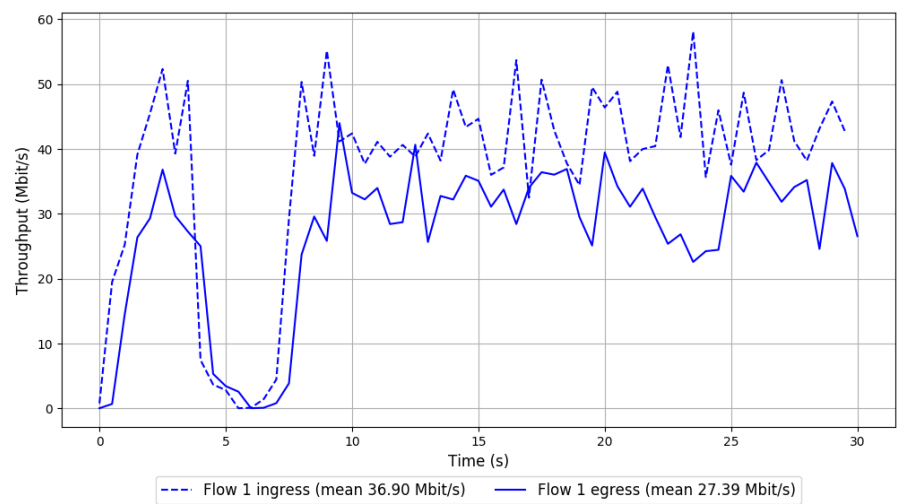
-- Flow 1:

Average throughput: 27.39 Mbit/s

95th percentile per-packet one-way delay: 71.750 ms

Loss rate: 26.12%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 06:32:16

End at: 2018-06-30 06:32:46

Local clock offset: 2.676 ms

Remote clock offset: -9.147 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 42.527 ms

Loss rate: 8.78%

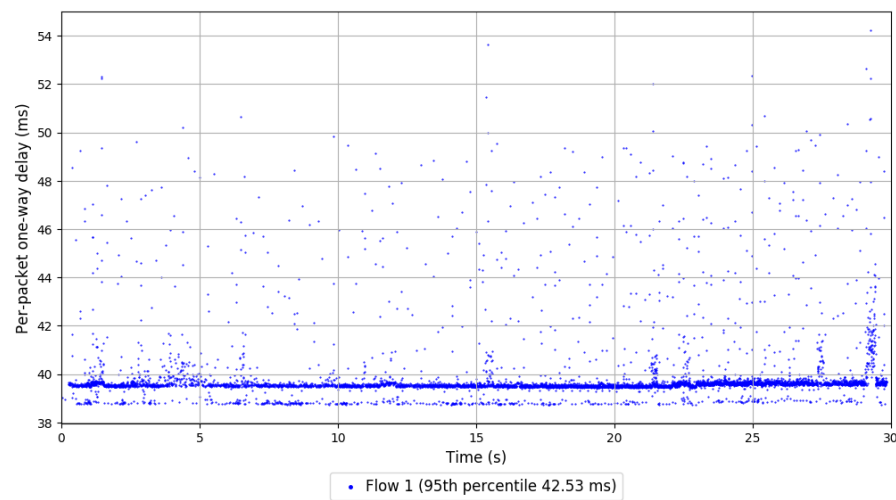
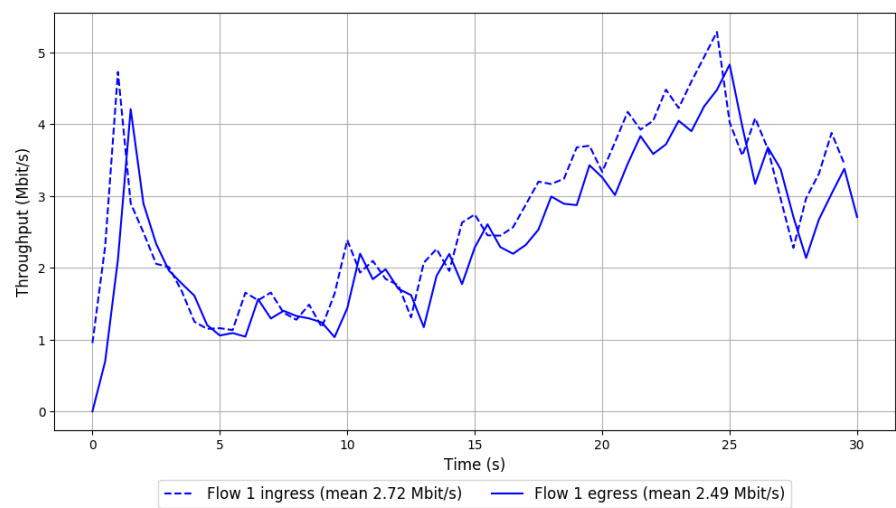
-- Flow 1:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 42.527 ms

Loss rate: 8.78%

Run 1: Report of PCC-Vivace — Data Link

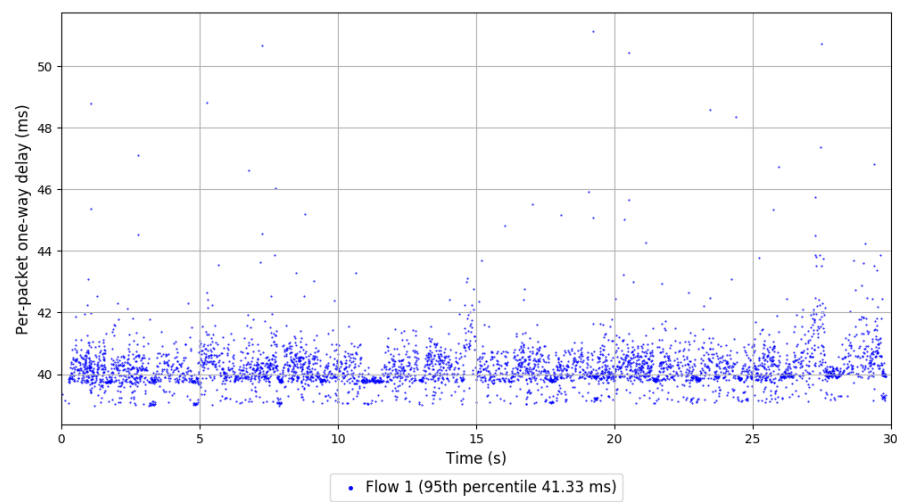
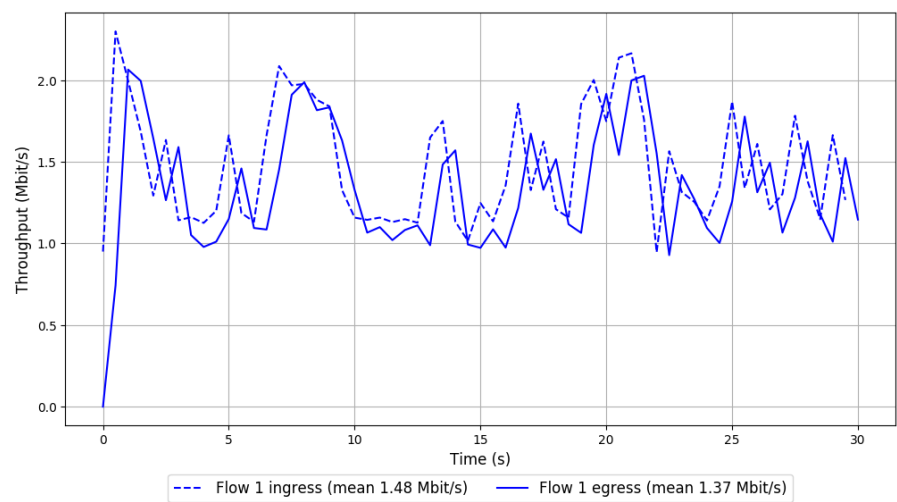


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 07:01:14
End at: 2018-06-30 07:01:44
Local clock offset: -3.116 ms
Remote clock offset: -9.058 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 41.332 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 41.332 ms
Loss rate: 7.76%

Run 2: Report of PCC-Vivace — Data Link

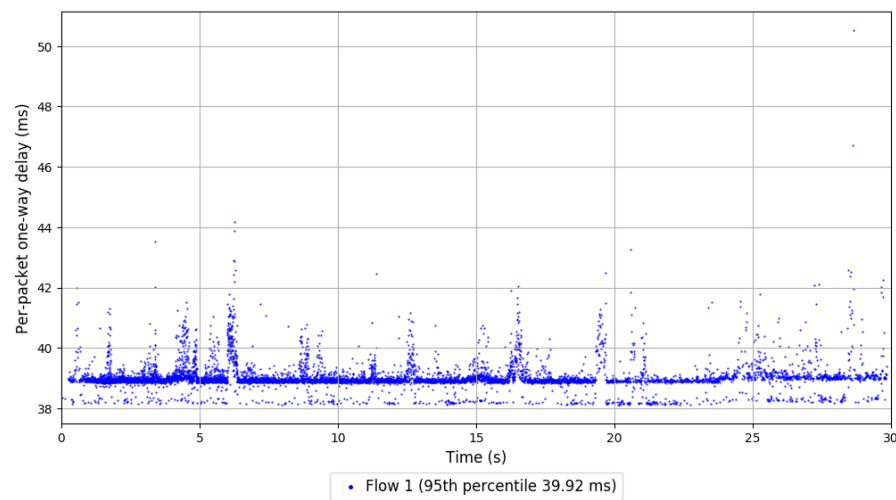
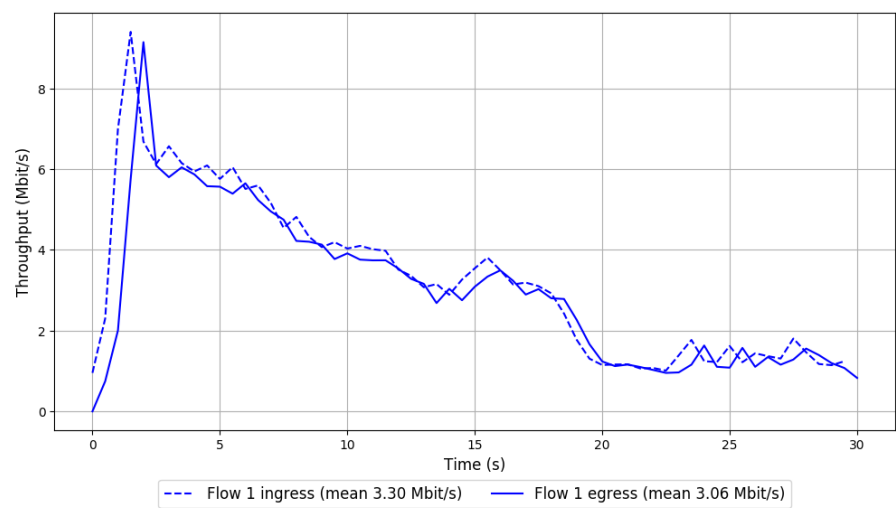


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 07:35:18
End at: 2018-06-30 07:35:48
Local clock offset: -2.7 ms
Remote clock offset: -10.219 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 39.916 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 39.916 ms
Loss rate: 7.70%

Run 3: Report of PCC-Vivace — Data Link

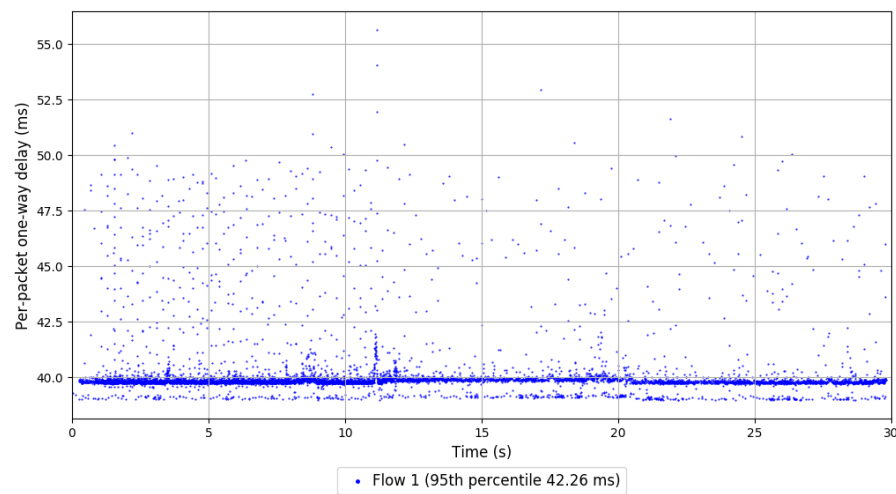
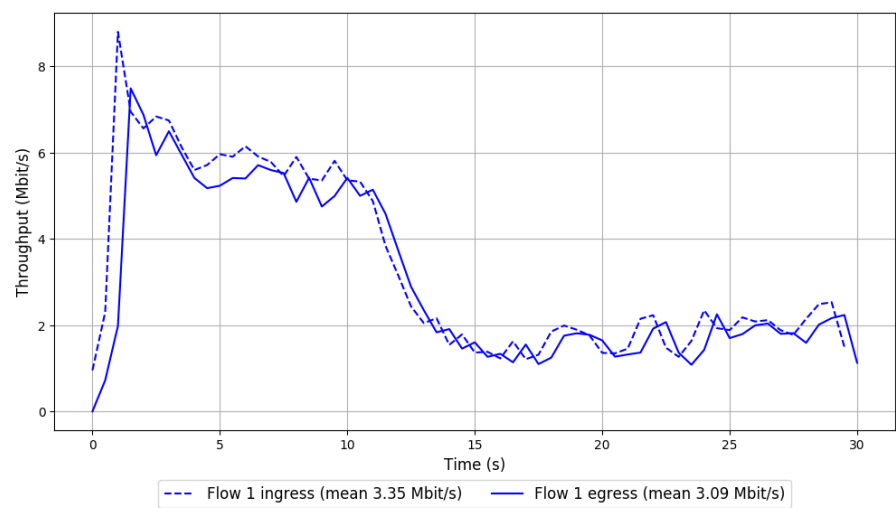


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 08:04:31
End at: 2018-06-30 08:05:01
Local clock offset: 4.74 ms
Remote clock offset: -9.118 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 42.260 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 42.260 ms
Loss rate: 8.16%

Run 4: Report of PCC-Vivace — Data Link

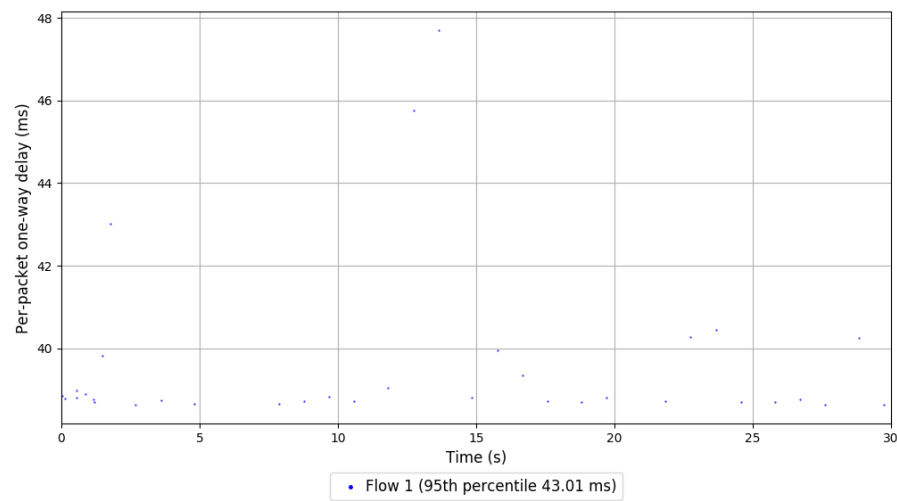
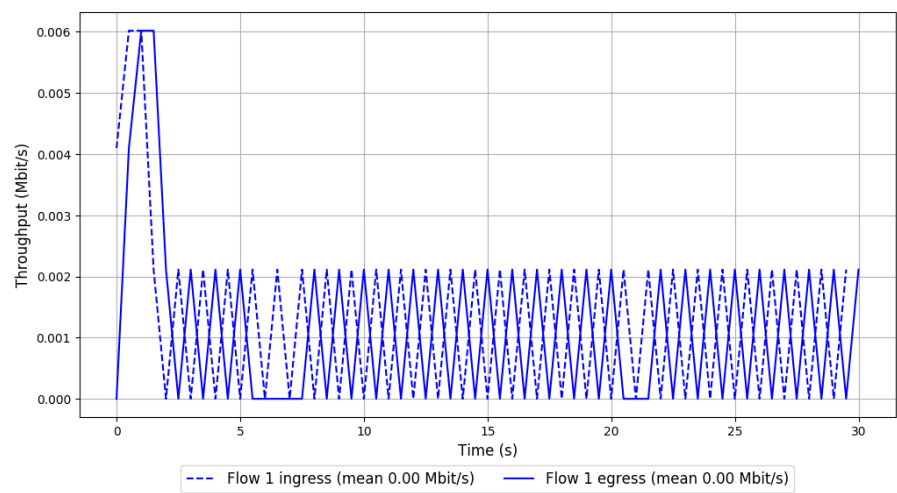


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 08:33:50
End at: 2018-06-30 08:34:20
Local clock offset: -3.09 ms
Remote clock offset: -9.089 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 43.006 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 43.006 ms
Loss rate: 8.19%

Run 5: Report of PCC-Vivace — Data Link

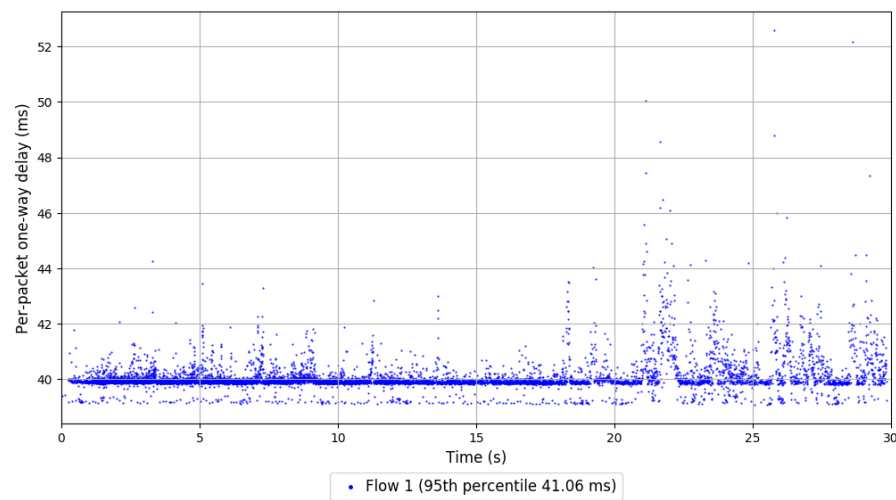
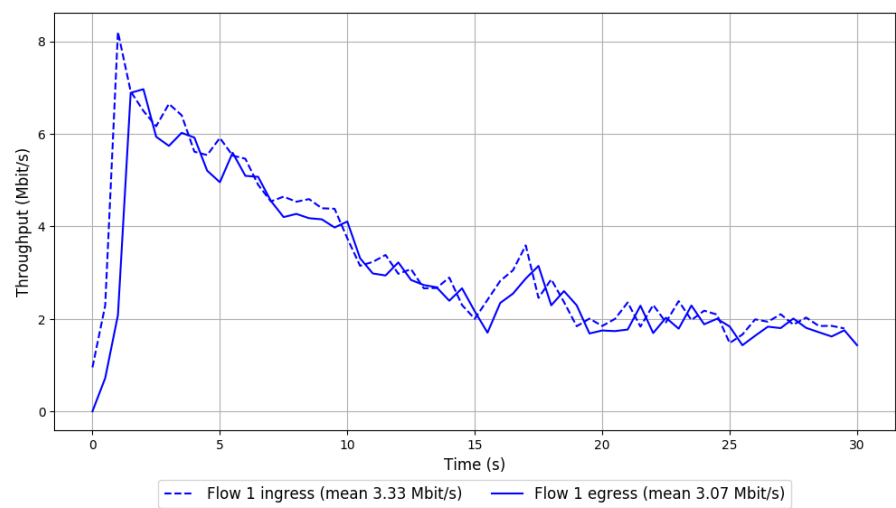


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 09:02:06
End at: 2018-06-30 09:02:36
Local clock offset: 0.646 ms
Remote clock offset: -10.505 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 41.064 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 41.064 ms
Loss rate: 8.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 09:31:53

End at: 2018-06-30 09:32:23

Local clock offset: 3.937 ms

Remote clock offset: -9.578 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 39.732 ms

Loss rate: 7.58%

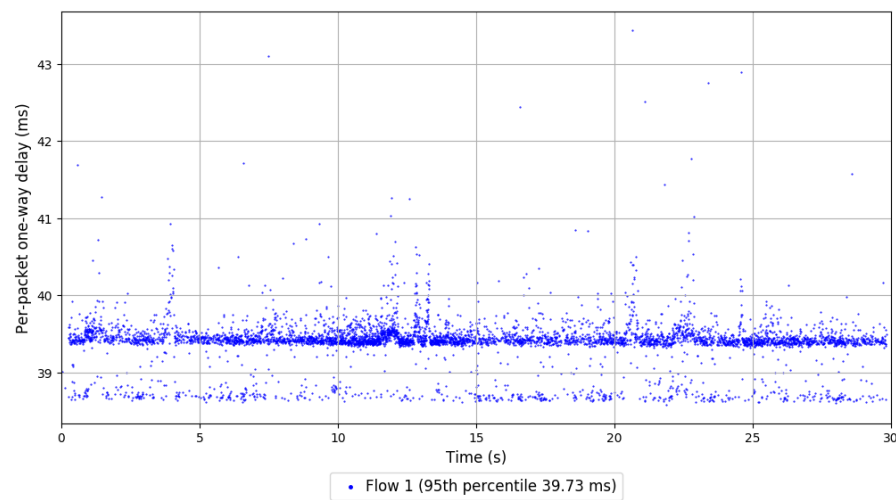
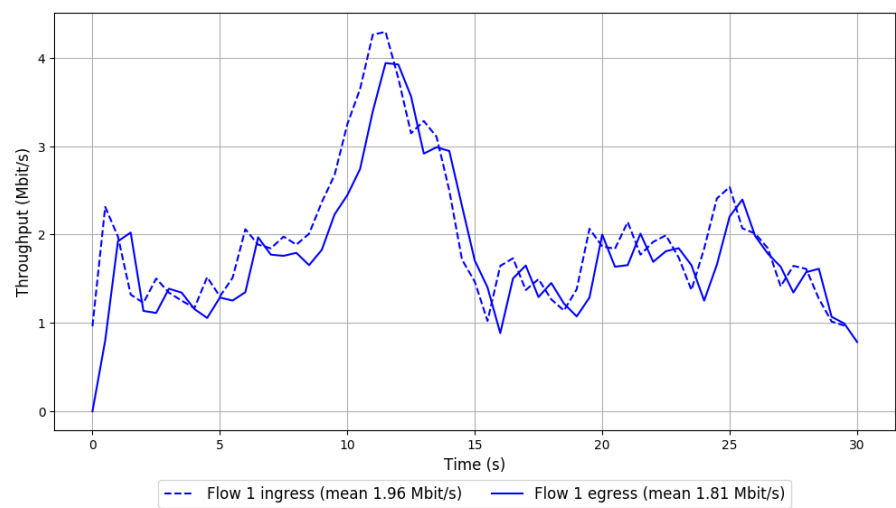
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 39.732 ms

Loss rate: 7.58%

Run 7: Report of PCC-Vivace — Data Link

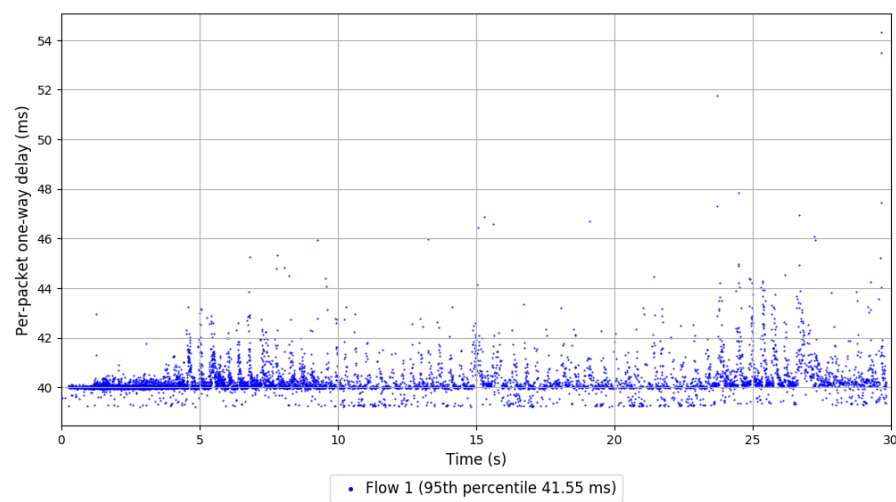
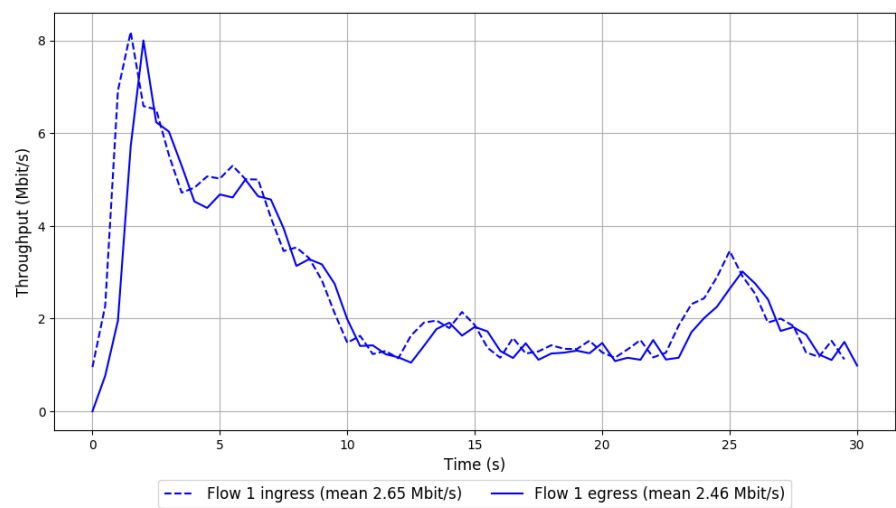


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 10:02:20
End at: 2018-06-30 10:02:50
Local clock offset: 1.839 ms
Remote clock offset: -11.95 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 41.549 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 41.549 ms
Loss rate: 7.47%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 10:32:43

End at: 2018-06-30 10:33:13

Local clock offset: 8.119 ms

Remote clock offset: -8.652 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 39.034 ms

Loss rate: 8.39%

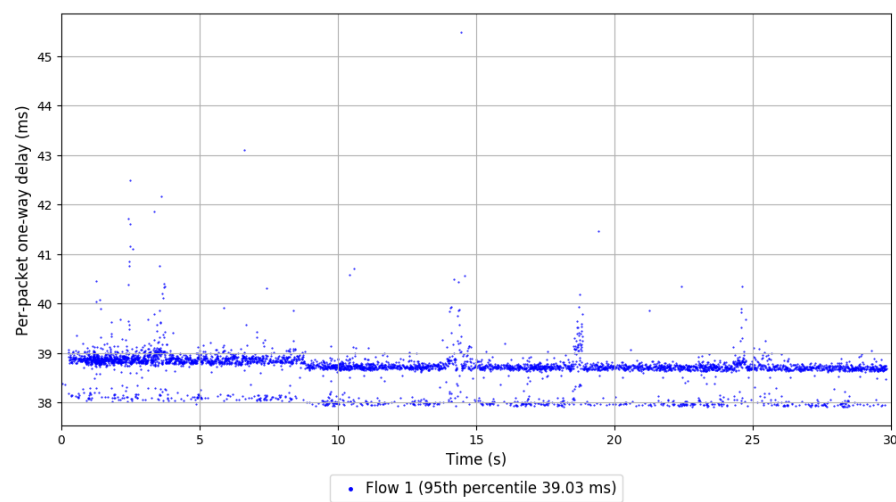
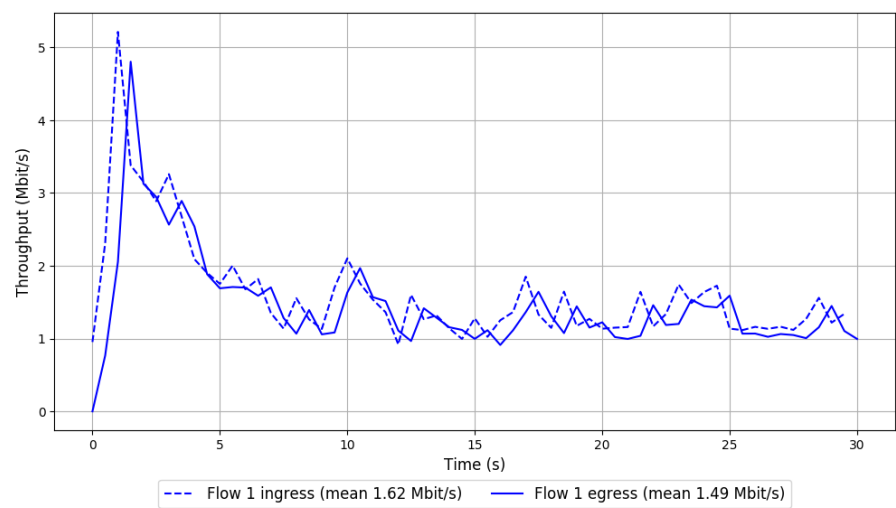
-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 39.034 ms

Loss rate: 8.39%

Run 9: Report of PCC-Vivace — Data Link

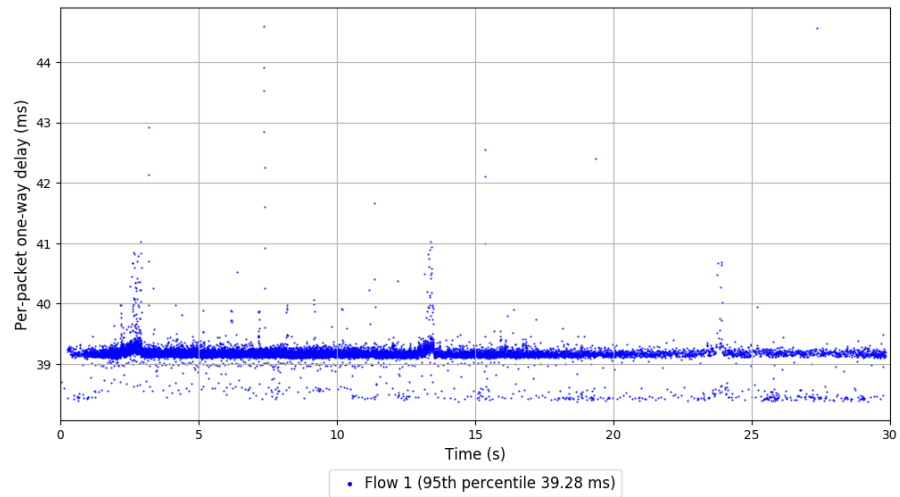
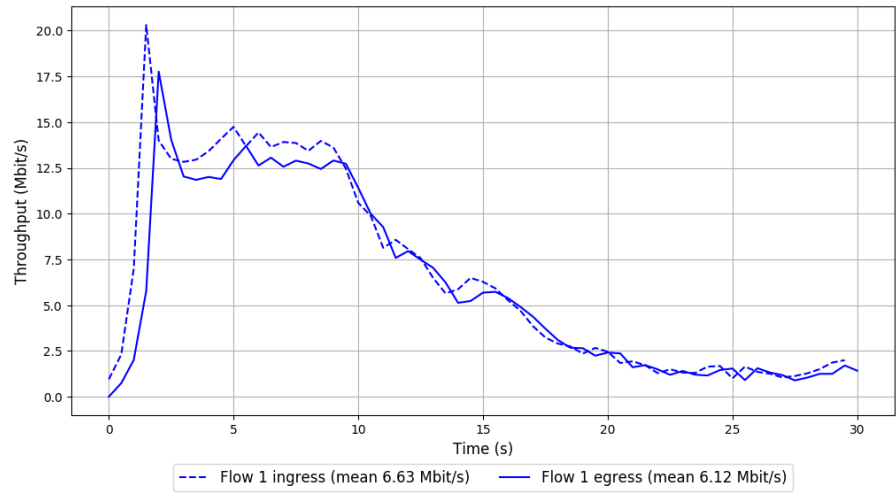


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 11:05:02
End at: 2018-06-30 11:05:32
Local clock offset: 7.372 ms
Remote clock offset: -10.093 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 39.284 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 39.284 ms
Loss rate: 8.06%

Run 10: Report of PCC-Vivace — Data Link

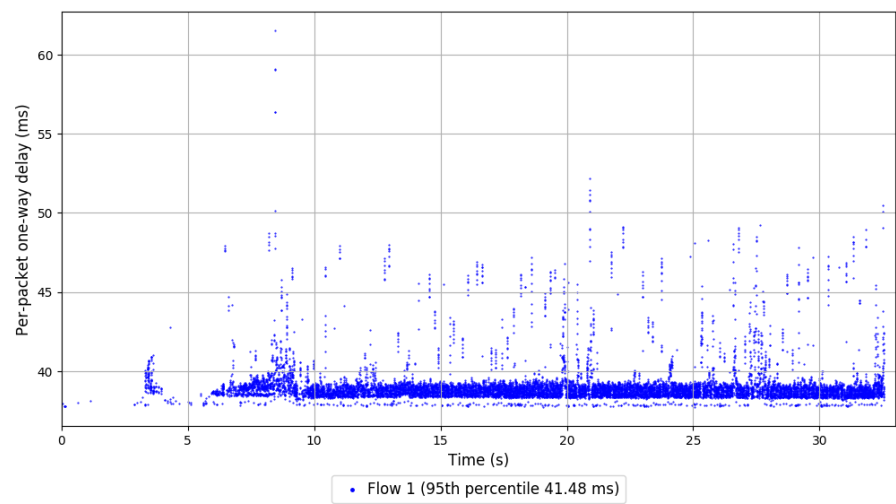
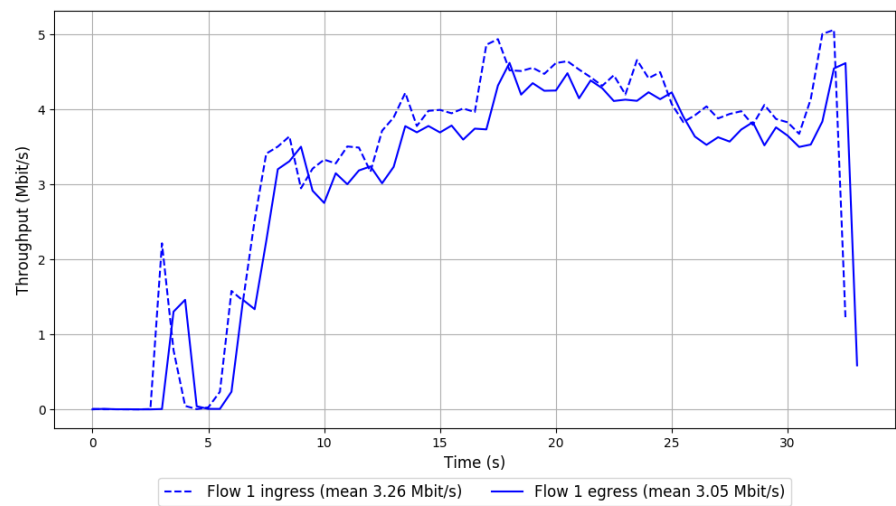


Run 1: Statistics of WebRTC media

Start at: 2018-06-30 06:33:41
End at: 2018-06-30 06:34:11
Local clock offset: 2.672 ms
Remote clock offset: -9.441 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 41.479 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 41.479 ms
Loss rate: 6.94%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-30 07:02:33

End at: 2018-06-30 07:03:03

Local clock offset: -3.22 ms

Remote clock offset: -9.446 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 42.694 ms

Loss rate: 6.86%

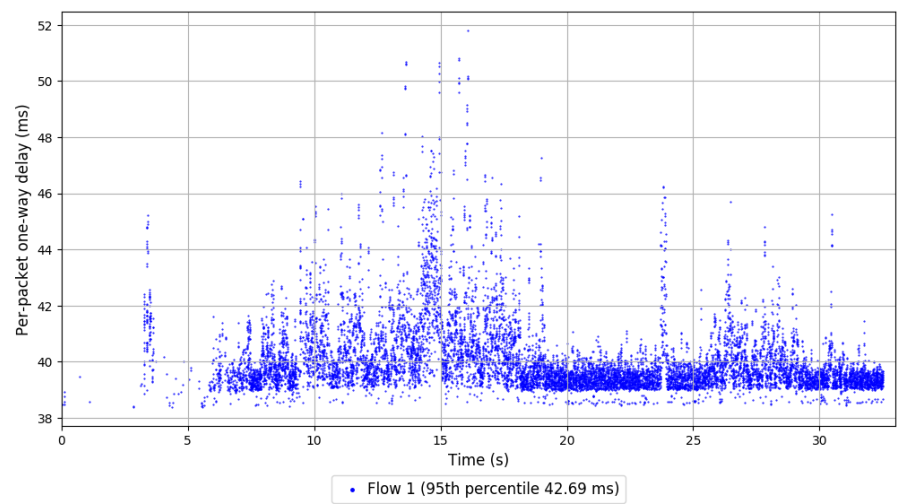
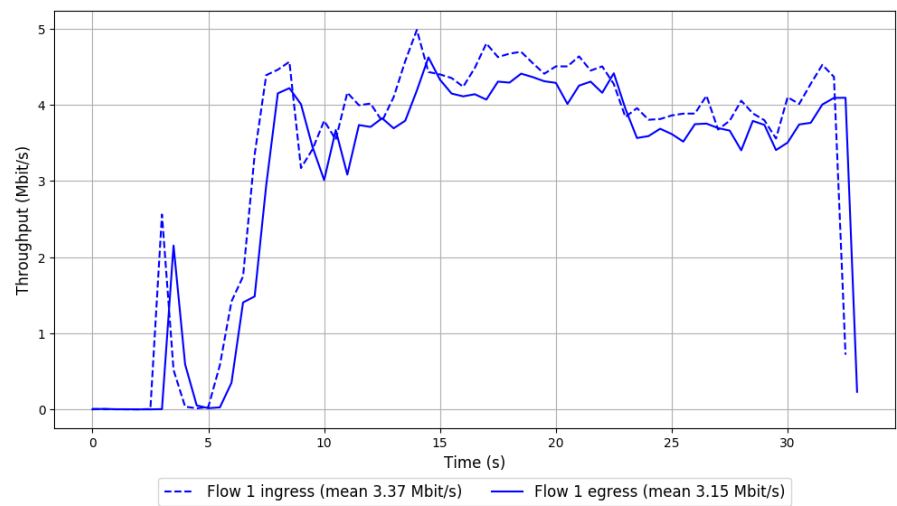
-- Flow 1:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 42.694 ms

Loss rate: 6.86%

Run 2: Report of WebRTC media — Data Link

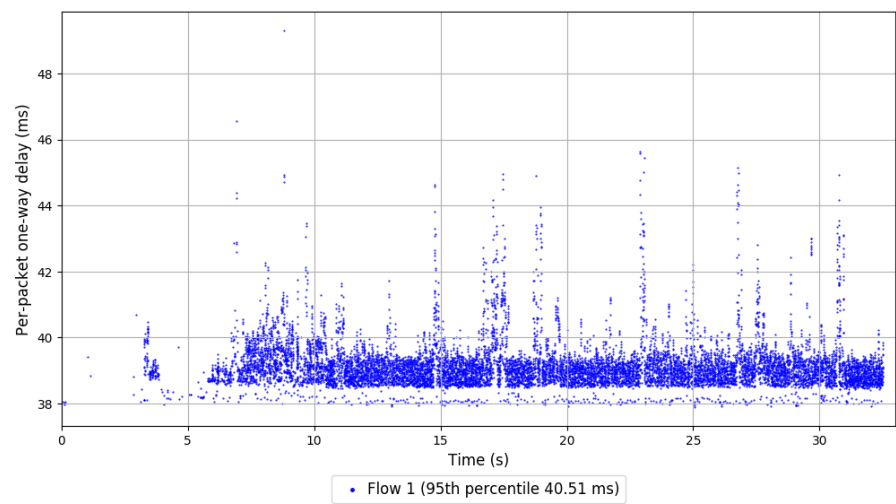
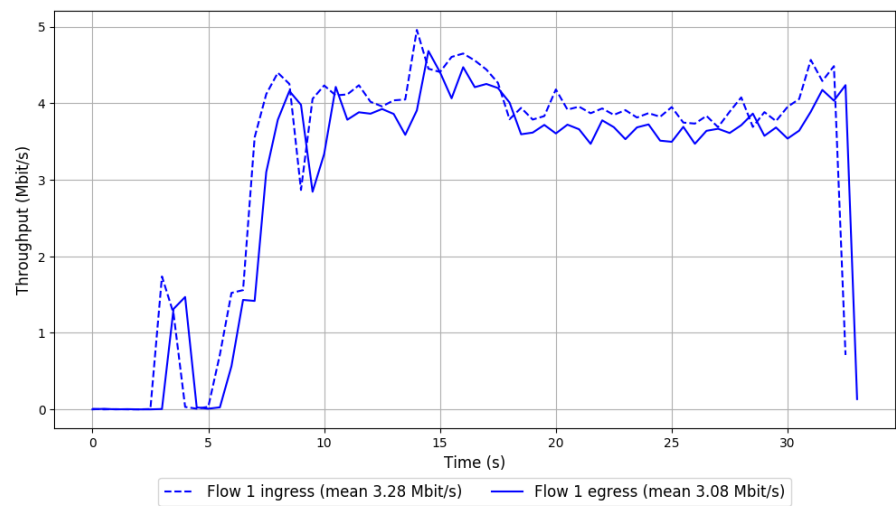


Run 3: Statistics of WebRTC media

Start at: 2018-06-30 07:36:42
End at: 2018-06-30 07:37:12
Local clock offset: -2.556 ms
Remote clock offset: -9.884 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 40.506 ms
Loss rate: 6.48%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 40.506 ms
Loss rate: 6.48%

Run 3: Report of WebRTC media — Data Link

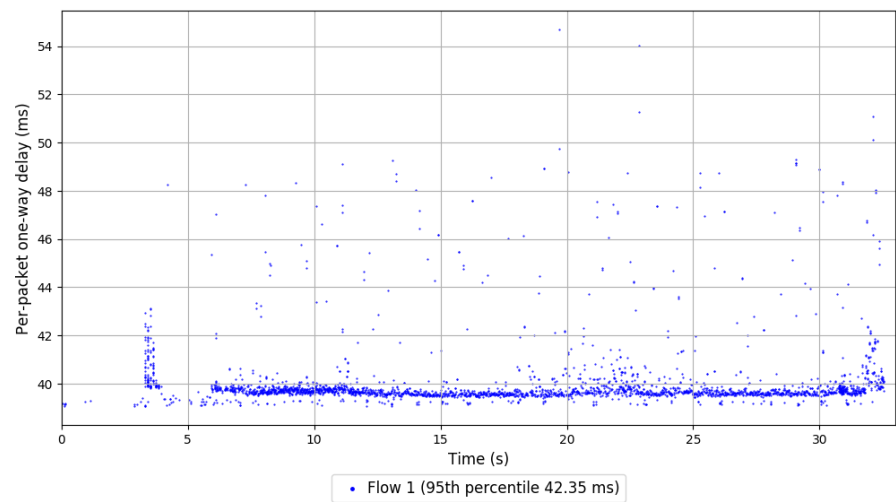
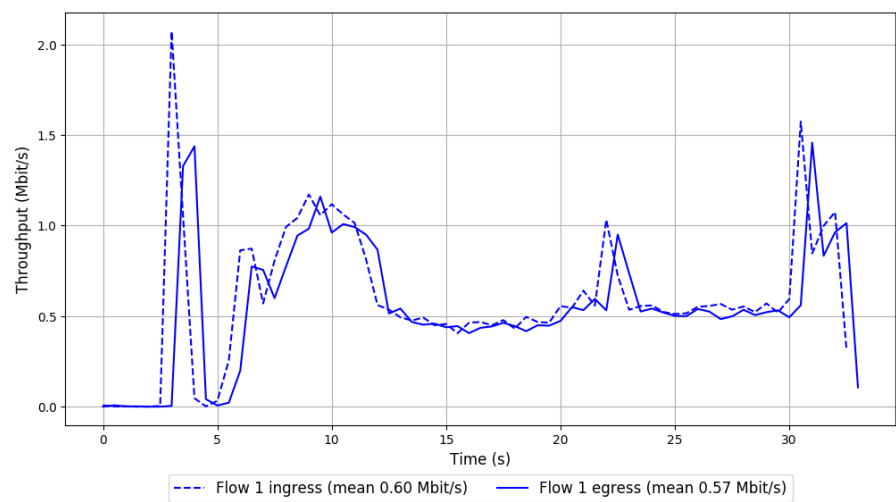


Run 4: Statistics of WebRTC media

Start at: 2018-06-30 08:05:56
End at: 2018-06-30 08:06:26
Local clock offset: 4.966 ms
Remote clock offset: -9.019 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 42.352 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 42.352 ms
Loss rate: 5.85%

Run 4: Report of WebRTC media — Data Link

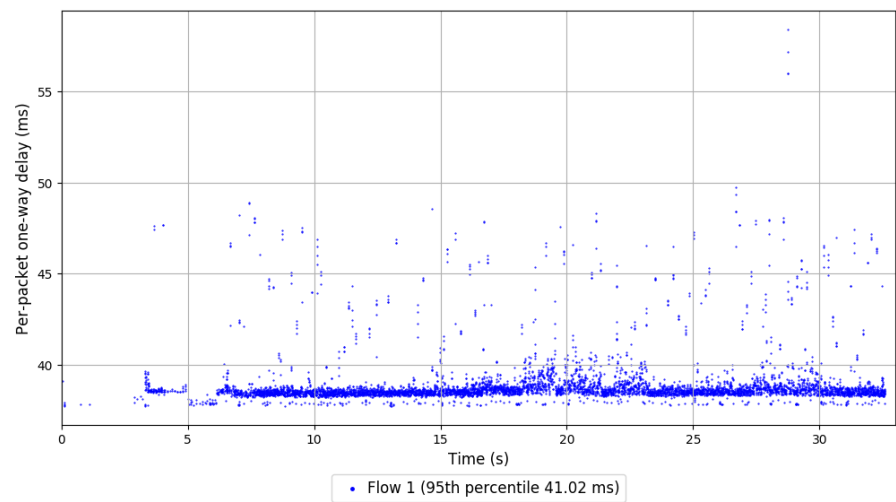
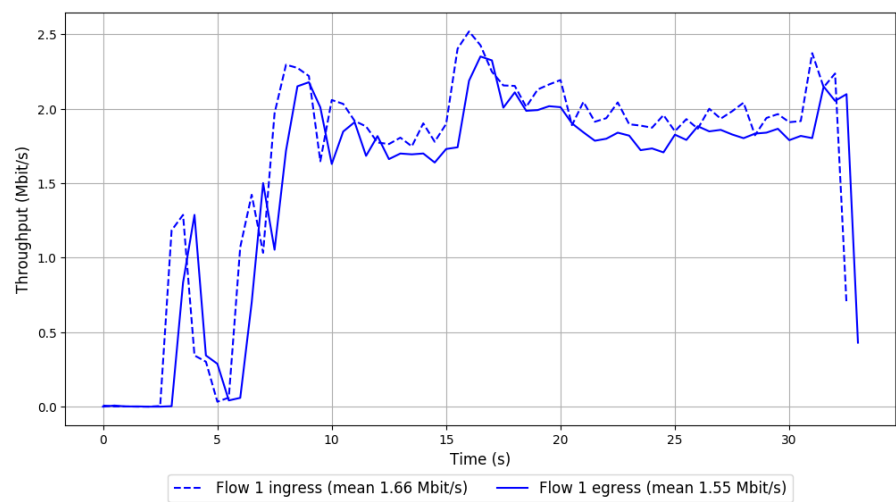


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 08:35:06
End at: 2018-06-30 08:35:36
Local clock offset: -3.324 ms
Remote clock offset: -8.776 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 41.018 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 41.018 ms
Loss rate: 7.01%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 09:03:29

End at: 2018-06-30 09:03:59

Local clock offset: 0.796 ms

Remote clock offset: -10.147 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 44.782 ms

Loss rate: 6.49%

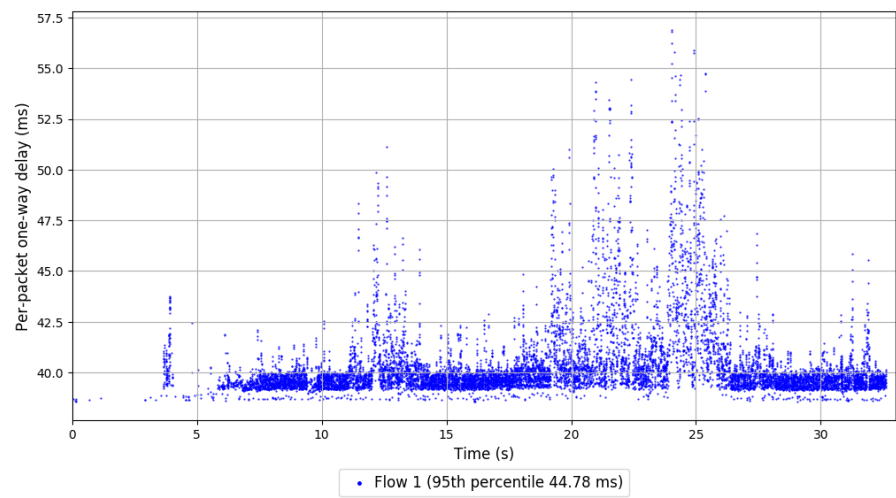
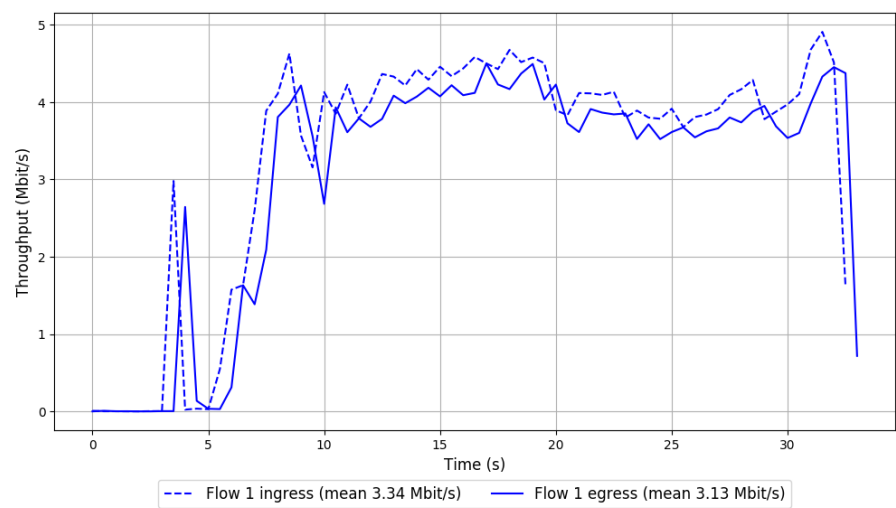
-- Flow 1:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 44.782 ms

Loss rate: 6.49%

Run 6: Report of WebRTC media — Data Link

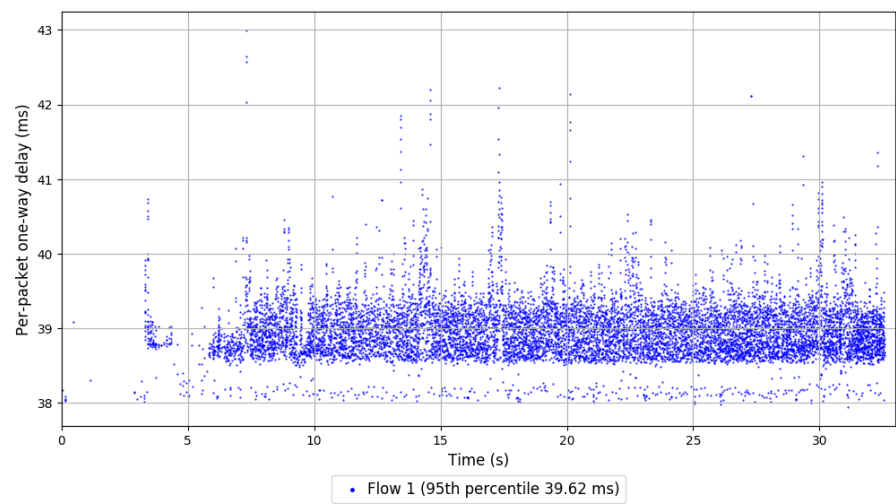
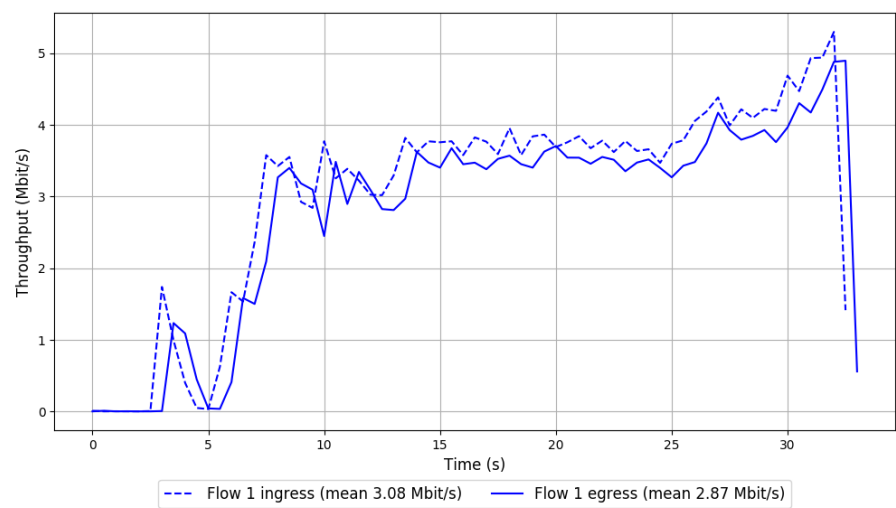


Run 7: Statistics of WebRTC media

Start at: 2018-06-30 09:33:13
End at: 2018-06-30 09:33:43
Local clock offset: 3.907 ms
Remote clock offset: -9.914 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 39.621 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 39.621 ms
Loss rate: 6.95%

Run 7: Report of WebRTC media — Data Link

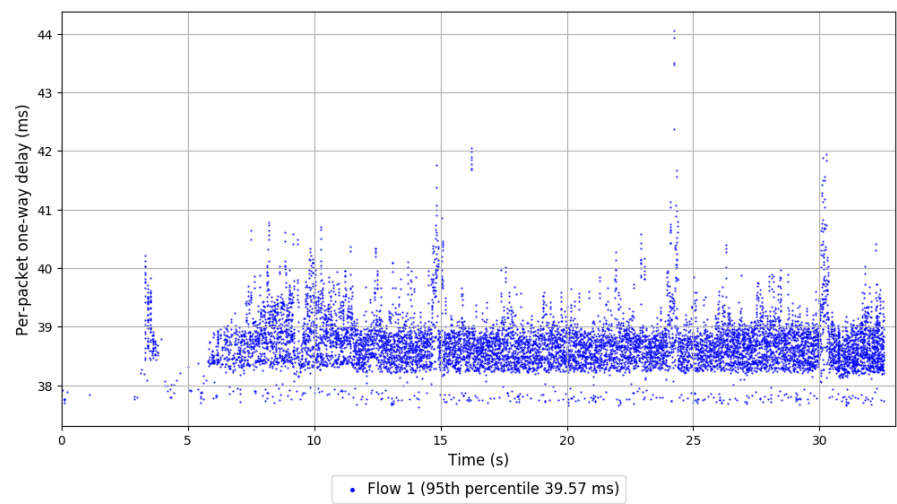
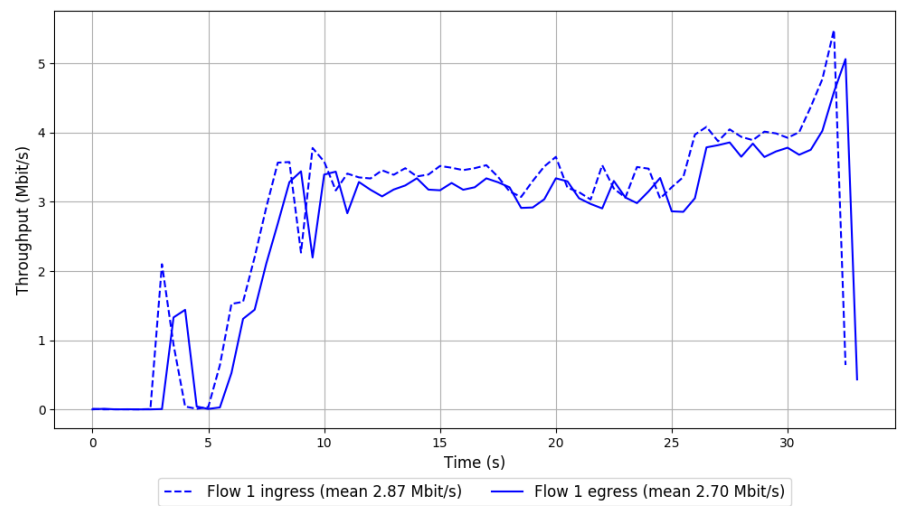


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 10:03:44
End at: 2018-06-30 10:04:14
Local clock offset: 1.728 ms
Remote clock offset: -11.634 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 39.566 ms
Loss rate: 6.44%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 39.566 ms
Loss rate: 6.44%

Run 8: Report of WebRTC media — Data Link

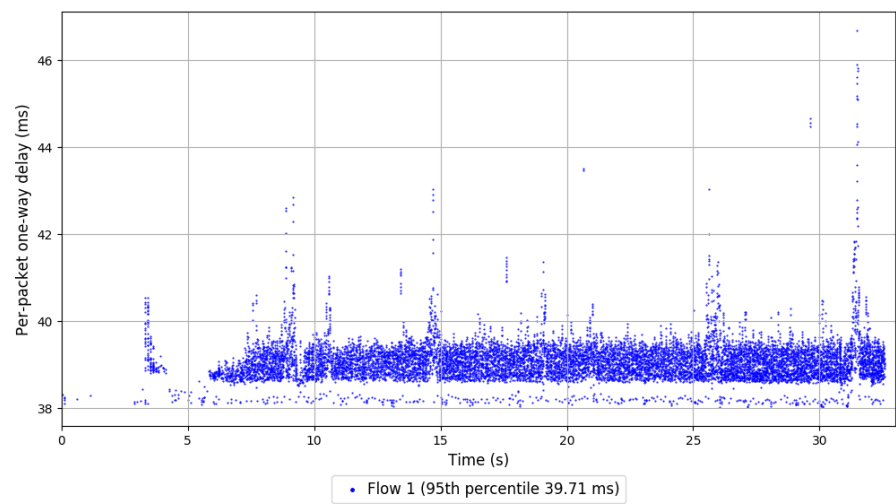
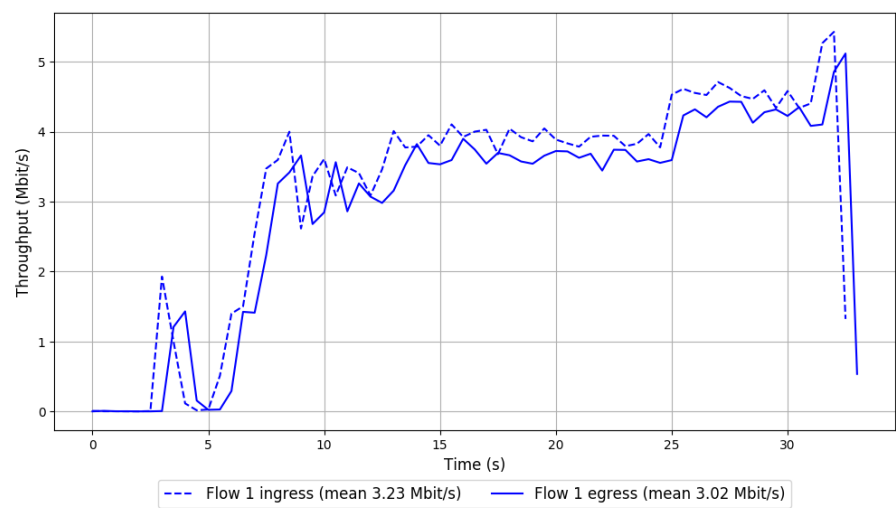


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 10:34:03
End at: 2018-06-30 10:34:33
Local clock offset: 8.354 ms
Remote clock offset: -8.601 ms

Below is generated by plot.py at 2018-06-30 11:41:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 39.714 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 39.714 ms
Loss rate: 6.82%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 11:06:34

End at: 2018-06-30 11:07:04

Local clock offset: 7.205 ms

Remote clock offset: -10.141 ms

Below is generated by plot.py at 2018-06-30 11:41:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 40.573 ms

Loss rate: 7.31%

-- Flow 1:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 40.573 ms

Loss rate: 7.31%

Run 10: Report of WebRTC media — Data Link

