

Pantheon Report

Generated at 2018-05-26 13:58:02 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE London Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

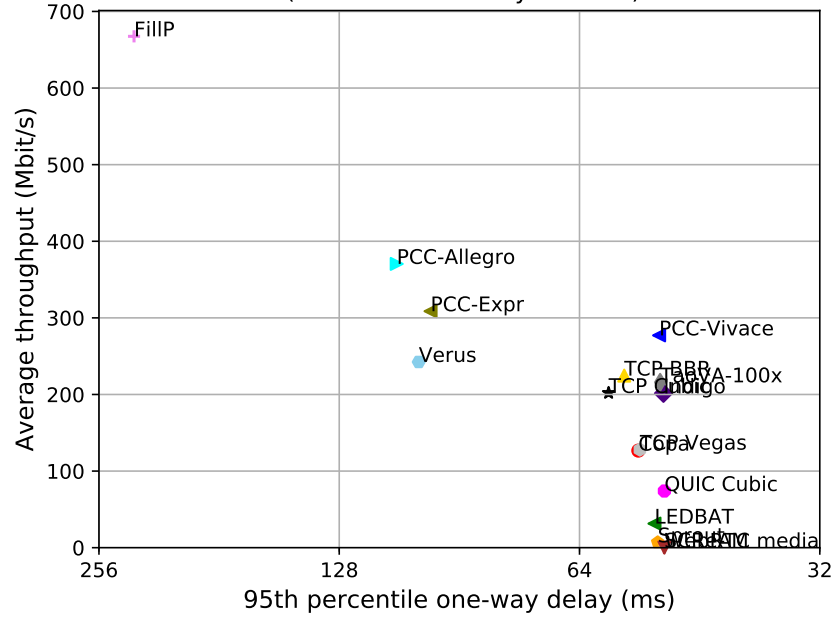
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

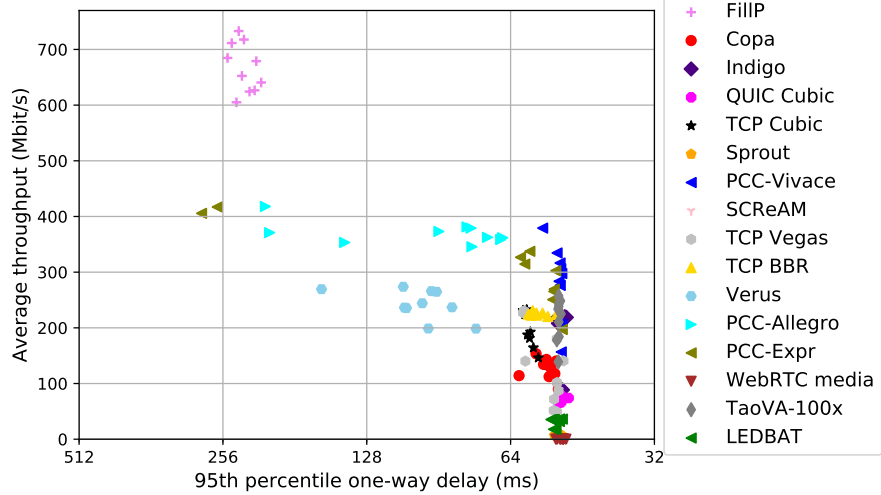
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa to GCE London, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa to GCE London, 10 runs of 30s each per scheme



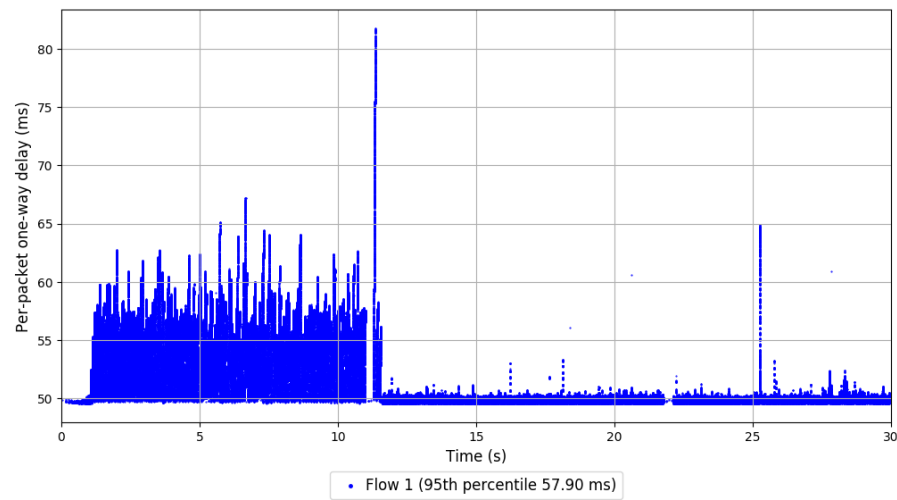
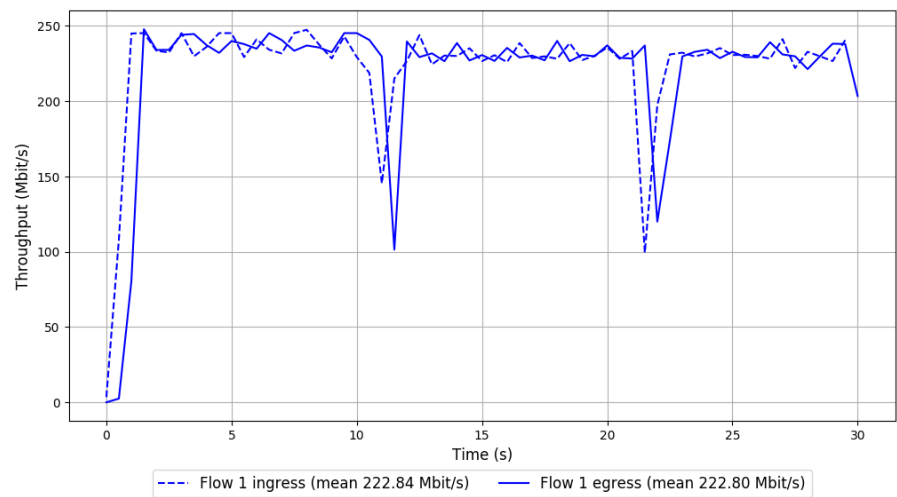
| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 224.66 | 56.25 | 0.35 |
| Copa | 10 | 126.72 | 54.01 | 0.35 |
| TCP Cubic | 10 | 201.99 | 58.85 | 0.34 |
| FillP | 10 | 667.50 | 231.36 | 1.06 |
| Indigo | 9 | 201.45 | 50.24 | 0.35 |
| LEDBAT | 10 | 31.47 | 51.56 | 0.66 |
| PCC-Allegro | 10 | 370.44 | 108.44 | 0.74 |
| PCC-Expr | 10 | 308.68 | 98.37 | 1.40 |
| QUIC Cubic | 9 | 73.98 | 50.10 | 0.30 |
| SCReAM | 10 | 0.22 | 50.13 | 0.36 |
| Sprout | 10 | 6.98 | 51.08 | 0.32 |
| TaoVA-100x | 10 | 215.85 | 50.72 | 0.35 |
| TCP Vegas | 10 | 128.00 | 53.77 | 0.29 |
| Verus | 10 | 242.44 | 101.77 | 0.32 |
| PCC-Vivace | 10 | 277.15 | 50.87 | 0.44 |
| WebRTC media | 9 | 0.05 | 50.10 | 0.00 |

Run 1: Statistics of TCP BBR

Start at: 2018-05-26 09:26:20
End at: 2018-05-26 09:26:50
Local clock offset: -0.231 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-26 12:42:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.80 Mbit/s
95th percentile per-packet one-way delay: 57.896 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 222.80 Mbit/s
95th percentile per-packet one-way delay: 57.896 ms
Loss rate: 0.37%

Run 1: Report of TCP BBR — Data Link

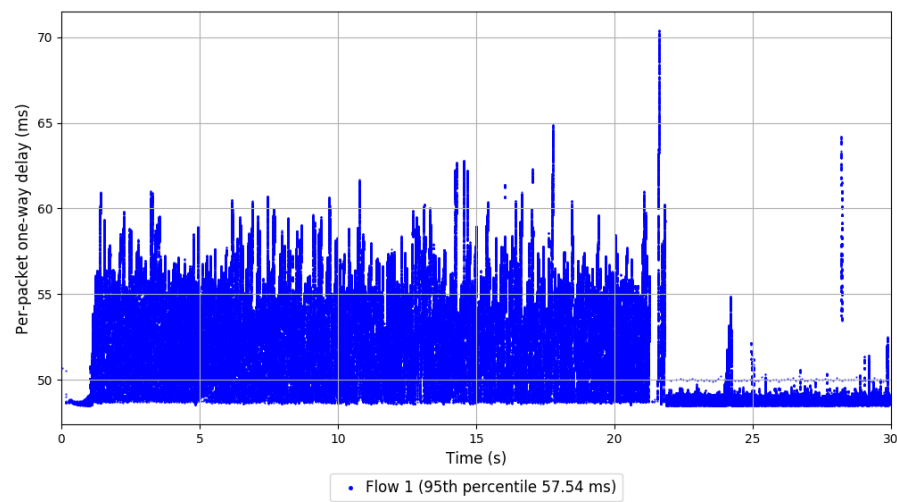
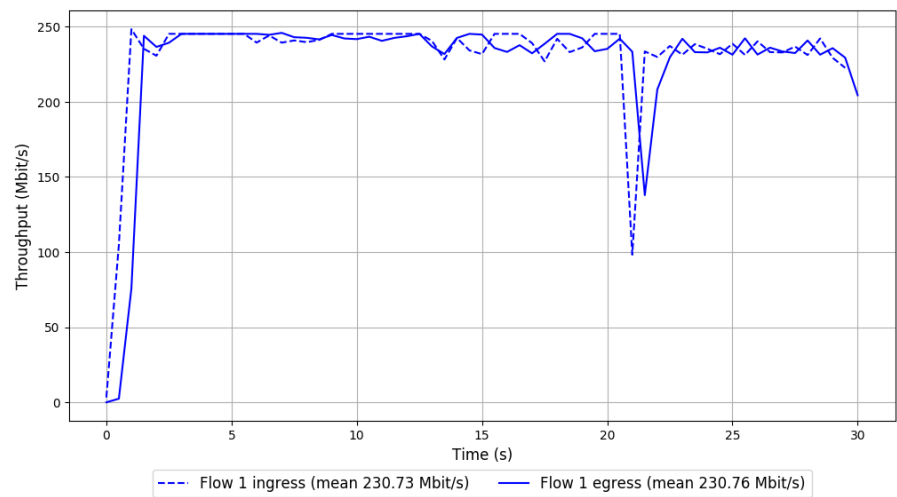


Run 2: Statistics of TCP BBR

Start at: 2018-05-26 09:46:29
End at: 2018-05-26 09:46:59
Local clock offset: -0.343 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-26 12:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 57.536 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 230.76 Mbit/s
95th percentile per-packet one-way delay: 57.536 ms
Loss rate: 0.32%

Run 2: Report of TCP BBR — Data Link

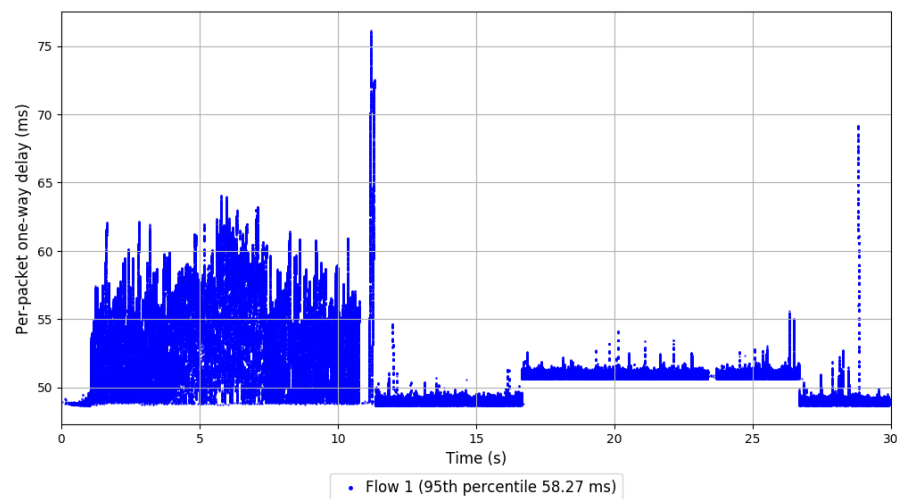
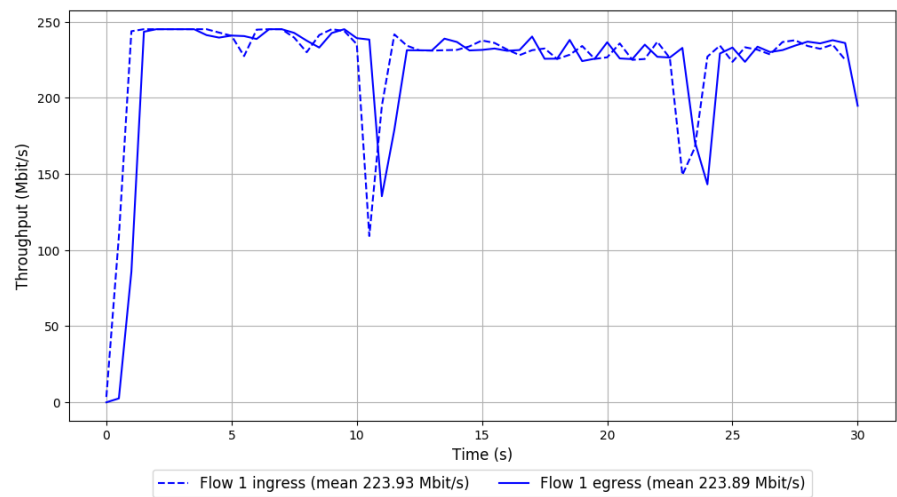


Run 3: Statistics of TCP BBR

Start at: 2018-05-26 10:06:34
End at: 2018-05-26 10:07:04
Local clock offset: -0.235 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-26 12:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.89 Mbit/s
95th percentile per-packet one-way delay: 58.275 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 223.89 Mbit/s
95th percentile per-packet one-way delay: 58.275 ms
Loss rate: 0.35%

Run 3: Report of TCP BBR — Data Link

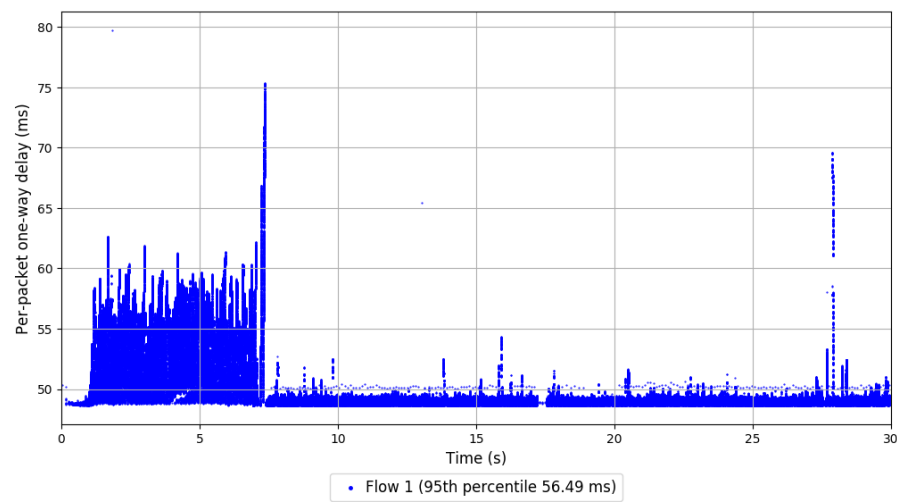
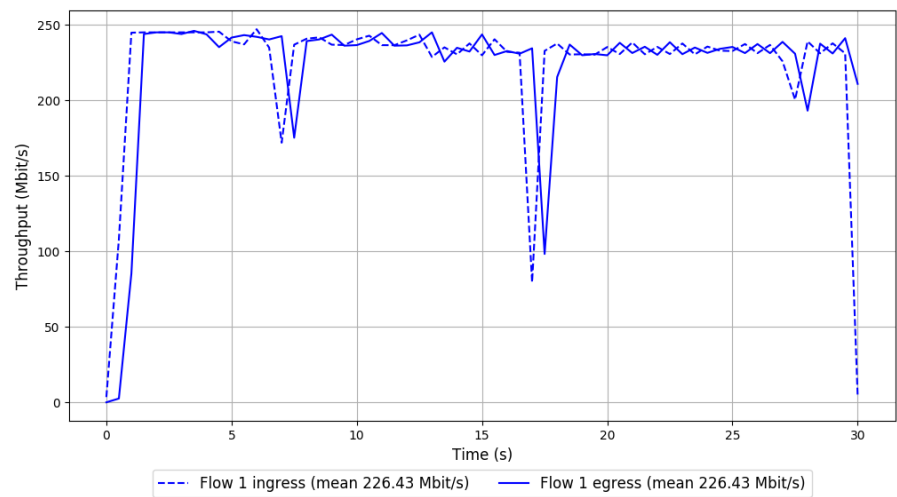


Run 4: Statistics of TCP BBR

Start at: 2018-05-26 10:26:56
End at: 2018-05-26 10:27:26
Local clock offset: -0.262 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-26 12:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.43 Mbit/s
95th percentile per-packet one-way delay: 56.490 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 226.43 Mbit/s
95th percentile per-packet one-way delay: 56.490 ms
Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-26 10:47:00

End at: 2018-05-26 10:47:30

Local clock offset: -0.645 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-26 12:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.85 Mbit/s

95th percentile per-packet one-way delay: 56.456 ms

Loss rate: 0.35%

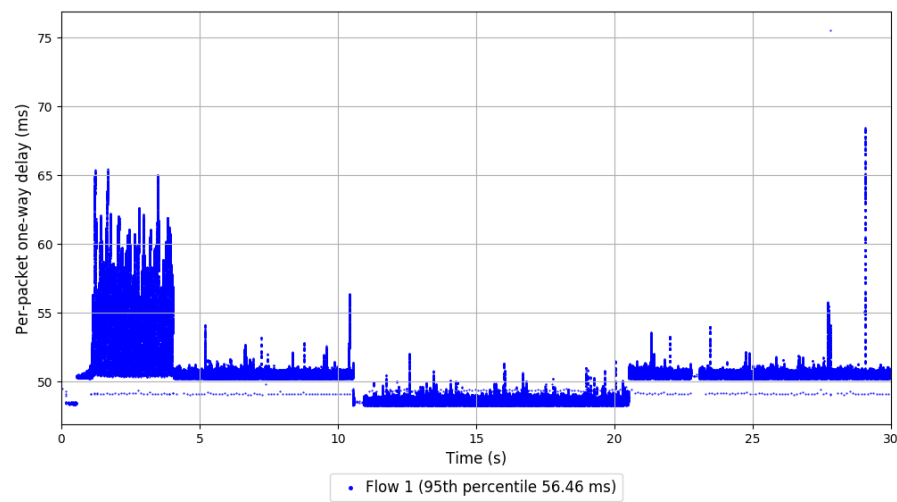
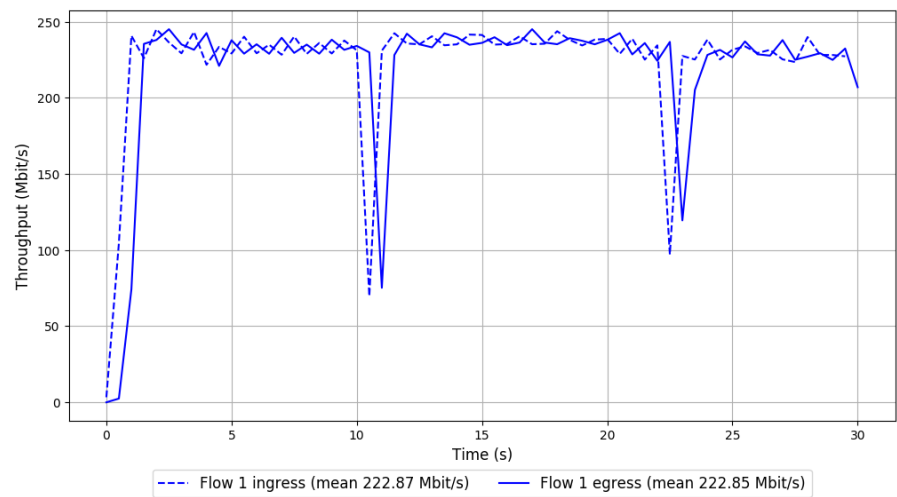
-- Flow 1:

Average throughput: 222.85 Mbit/s

95th percentile per-packet one-way delay: 56.456 ms

Loss rate: 0.35%

Run 5: Report of TCP BBR — Data Link

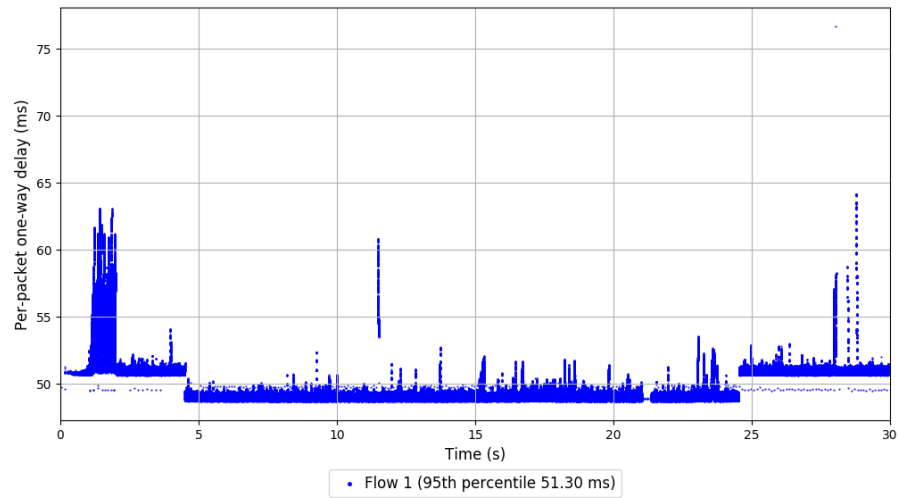
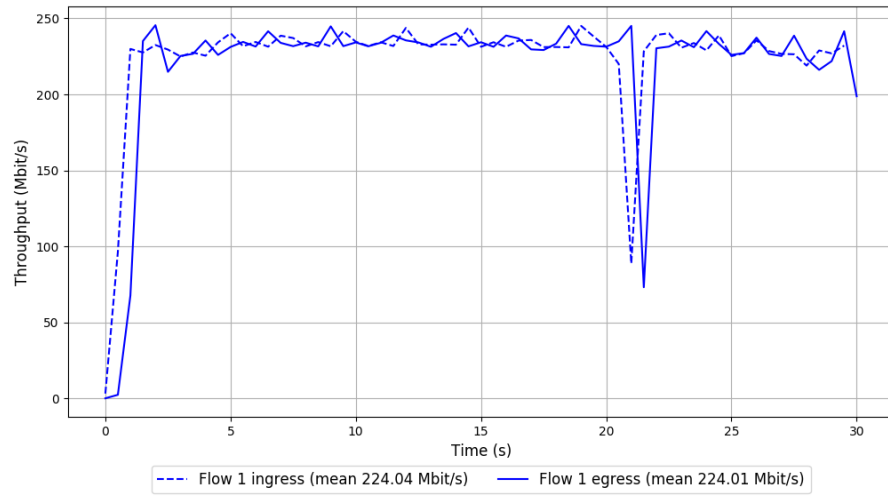


Run 6: Statistics of TCP BBR

Start at: 2018-05-26 11:07:06
End at: 2018-05-26 11:07:36
Local clock offset: -0.119 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-26 12:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.01 Mbit/s
95th percentile per-packet one-way delay: 51.297 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 224.01 Mbit/s
95th percentile per-packet one-way delay: 51.297 ms
Loss rate: 0.36%

Run 6: Report of TCP BBR — Data Link

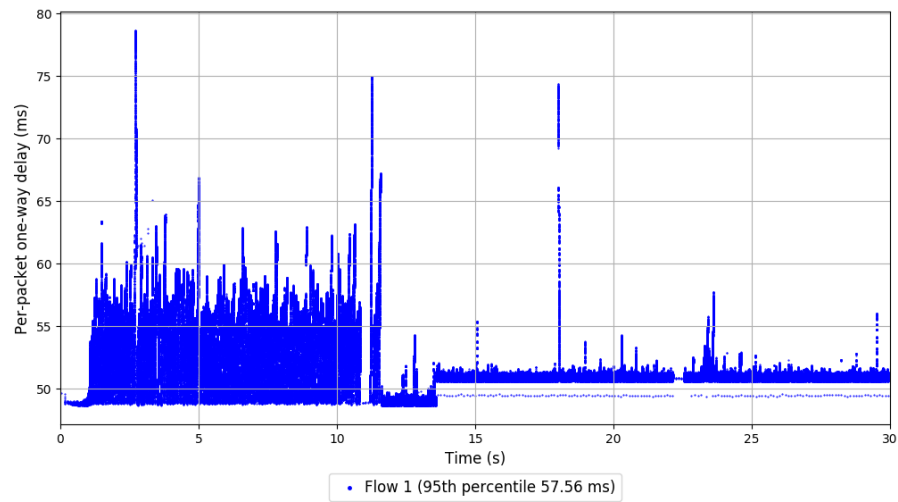
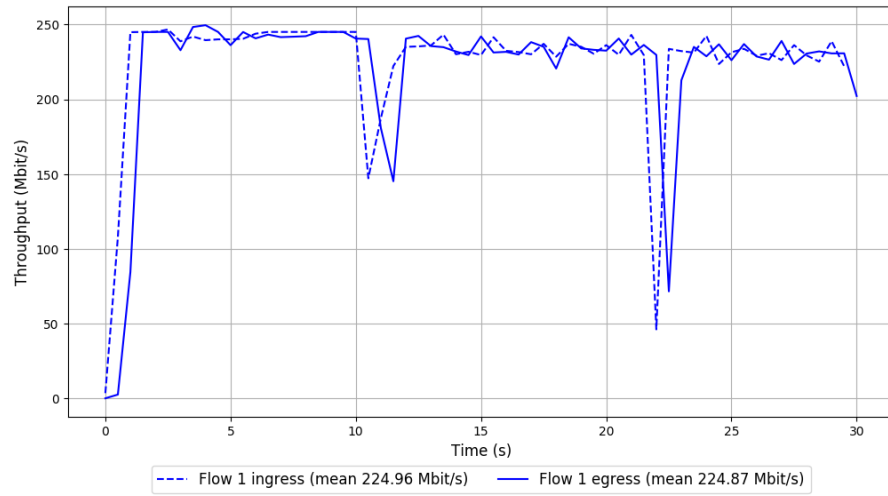


Run 7: Statistics of TCP BBR

Start at: 2018-05-26 11:27:27
End at: 2018-05-26 11:27:57
Local clock offset: -0.128 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-26 12:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 57.557 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 57.557 ms
Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link

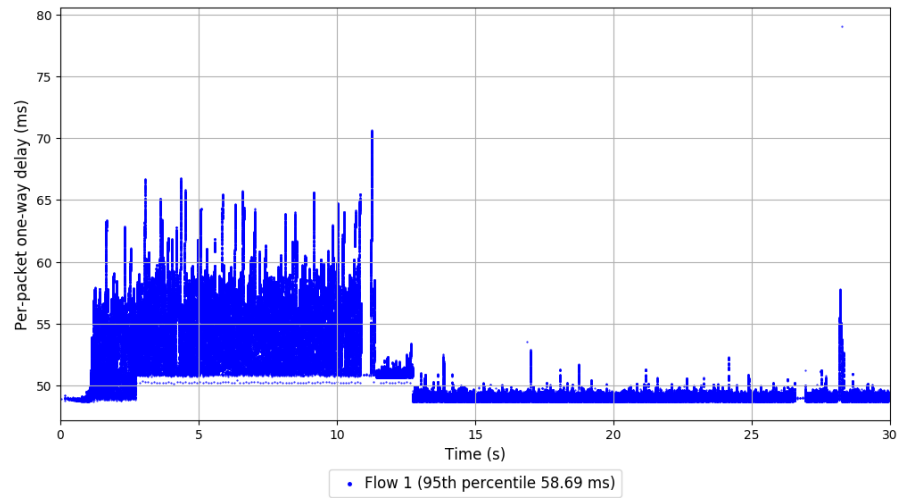
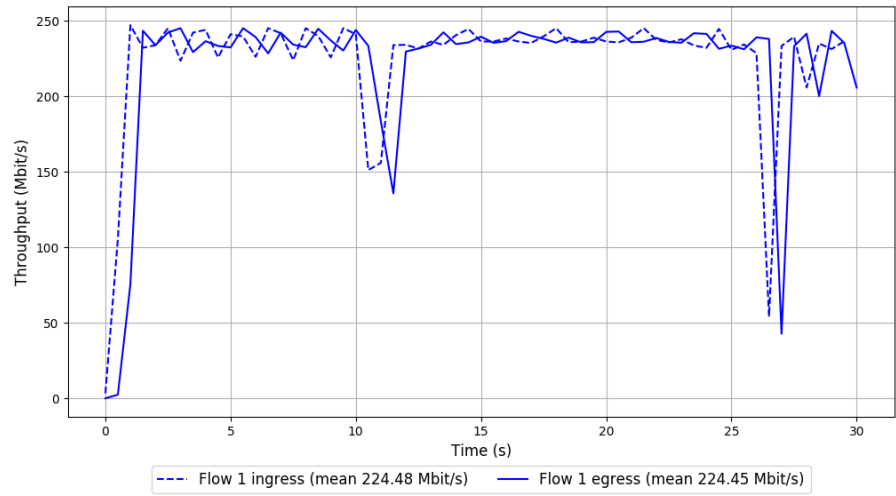


Run 8: Statistics of TCP BBR

Start at: 2018-05-26 11:47:48
End at: 2018-05-26 11:48:18
Local clock offset: -0.127 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-26 12:42:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.45 Mbit/s
95th percentile per-packet one-way delay: 58.686 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 224.45 Mbit/s
95th percentile per-packet one-way delay: 58.686 ms
Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-26 12:07:54

End at: 2018-05-26 12:08:24

Local clock offset: -0.549 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-26 12:46:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.25 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.35%

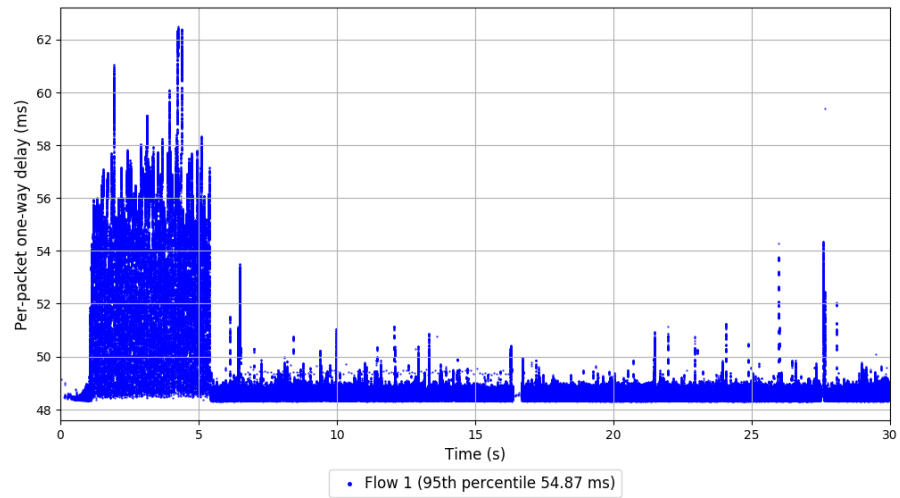
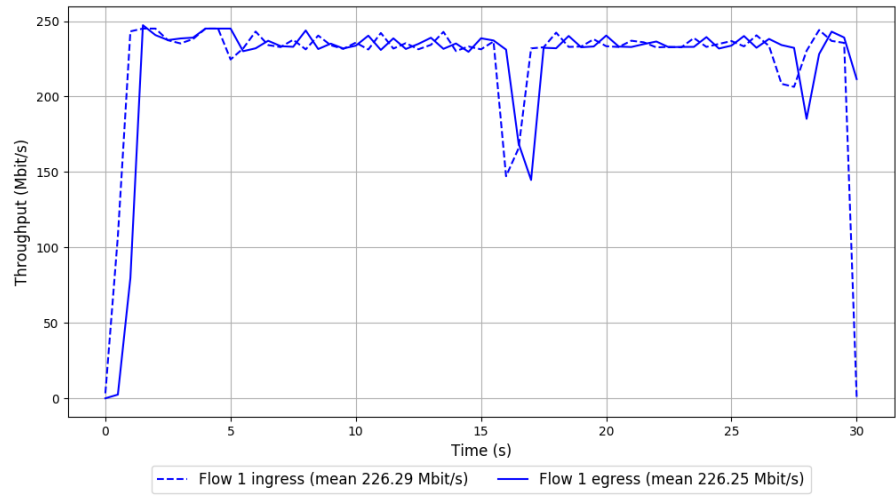
-- Flow 1:

Average throughput: 226.25 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.35%

Run 9: Report of TCP BBR — Data Link

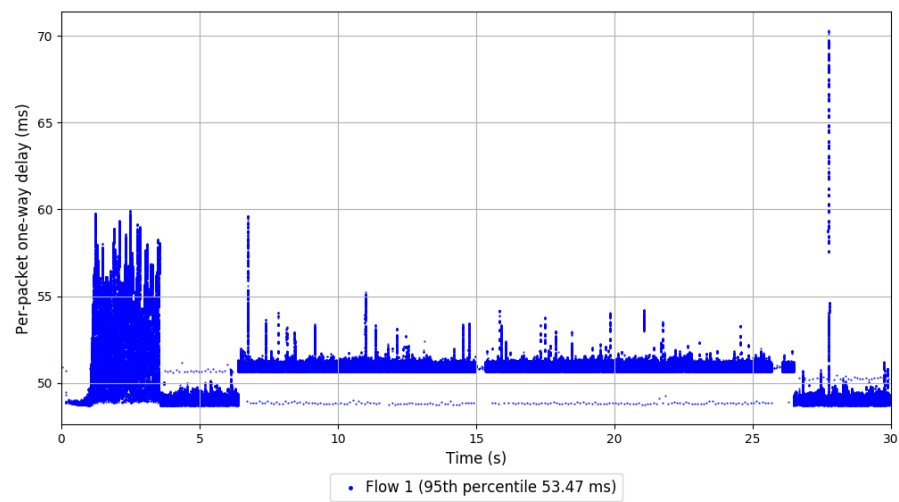
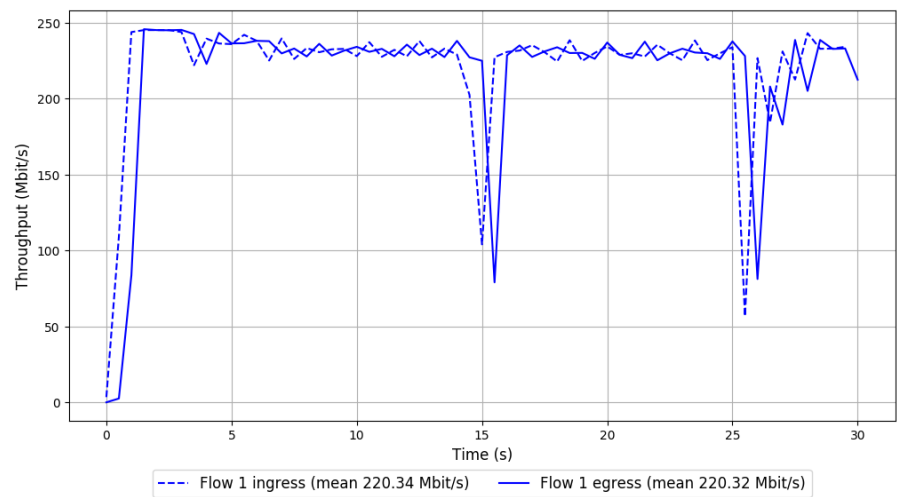


Run 10: Statistics of TCP BBR

Start at: 2018-05-26 12:28:14
End at: 2018-05-26 12:28:44
Local clock offset: -0.181 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-05-26 12:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.32 Mbit/s
95th percentile per-packet one-way delay: 53.467 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 220.32 Mbit/s
95th percentile per-packet one-way delay: 53.467 ms
Loss rate: 0.35%

Run 10: Report of TCP BBR — Data Link

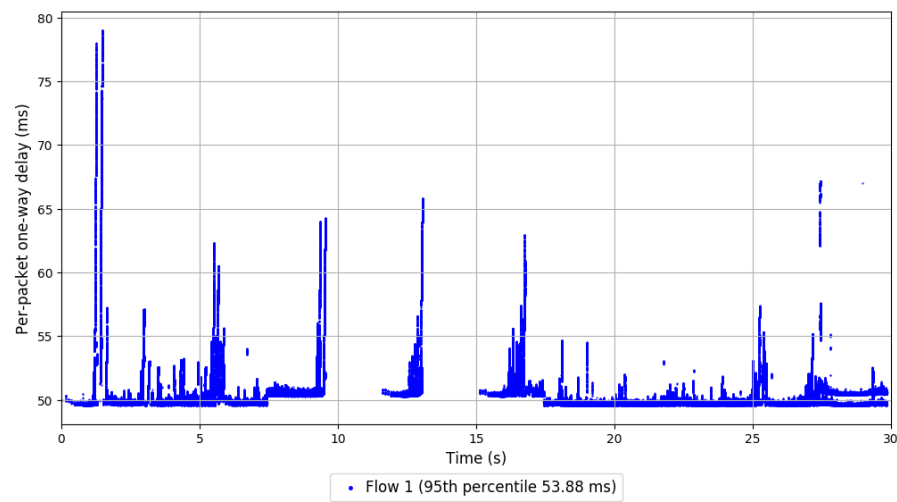
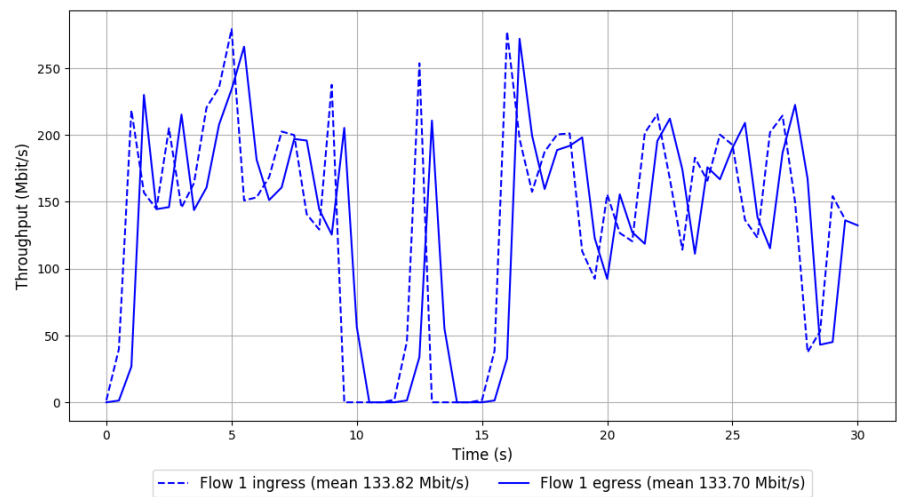


Run 1: Statistics of Copa

Start at: 2018-05-26 09:12:13
End at: 2018-05-26 09:12:43
Local clock offset: -0.275 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-26 12:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.70 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 133.70 Mbit/s
95th percentile per-packet one-way delay: 53.881 ms
Loss rate: 0.43%

Run 1: Report of Copa — Data Link

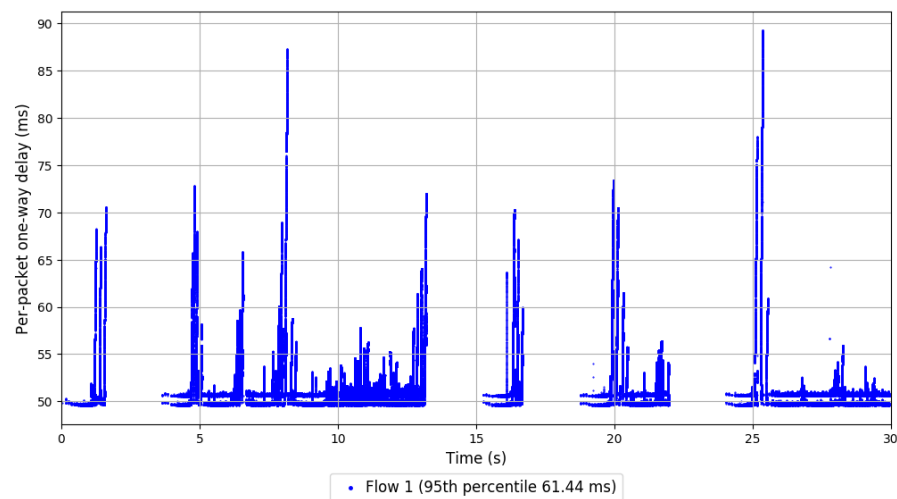
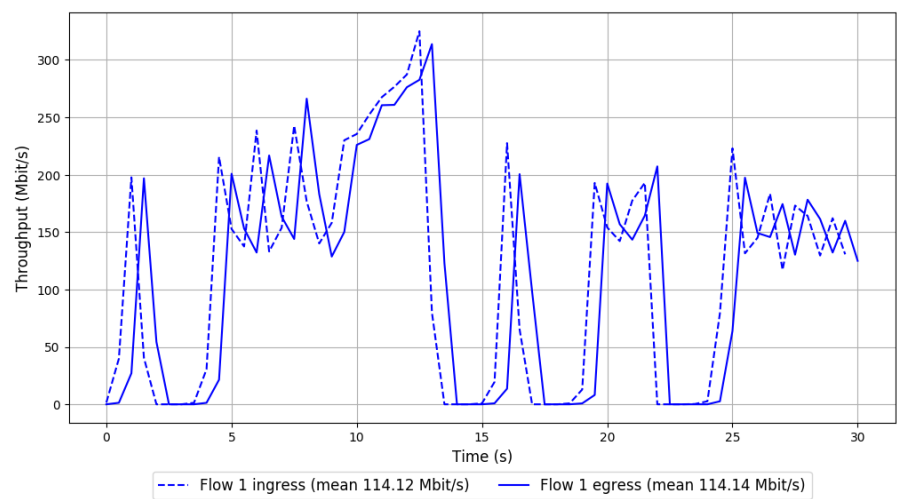


Run 2: Statistics of Copa

Start at: 2018-05-26 09:32:29
End at: 2018-05-26 09:32:59
Local clock offset: -0.213 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-26 12:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.14 Mbit/s
95th percentile per-packet one-way delay: 61.444 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 114.14 Mbit/s
95th percentile per-packet one-way delay: 61.444 ms
Loss rate: 0.32%

Run 2: Report of Copa — Data Link

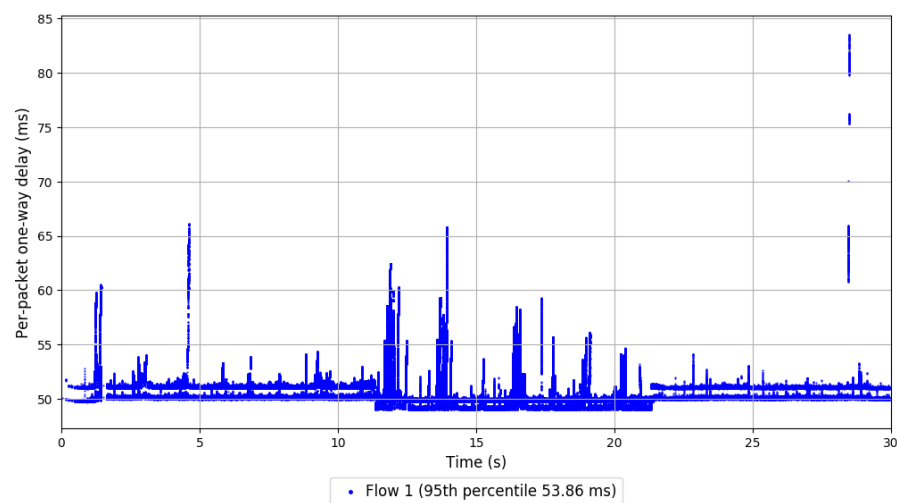
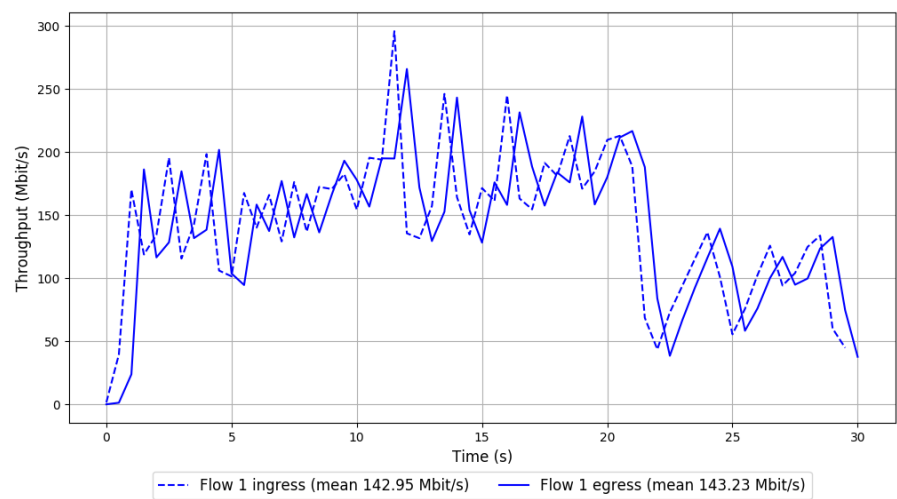


Run 3: Statistics of Copa

Start at: 2018-05-26 09:52:39
End at: 2018-05-26 09:53:09
Local clock offset: 0.133 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-26 12:46:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.23 Mbit/s
95th percentile per-packet one-way delay: 53.856 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 143.23 Mbit/s
95th percentile per-packet one-way delay: 53.856 ms
Loss rate: 0.14%

Run 3: Report of Copa — Data Link

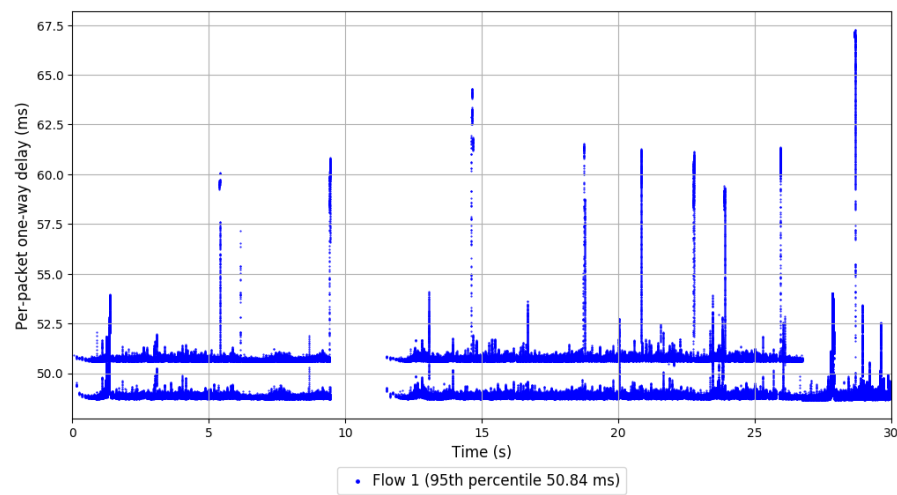
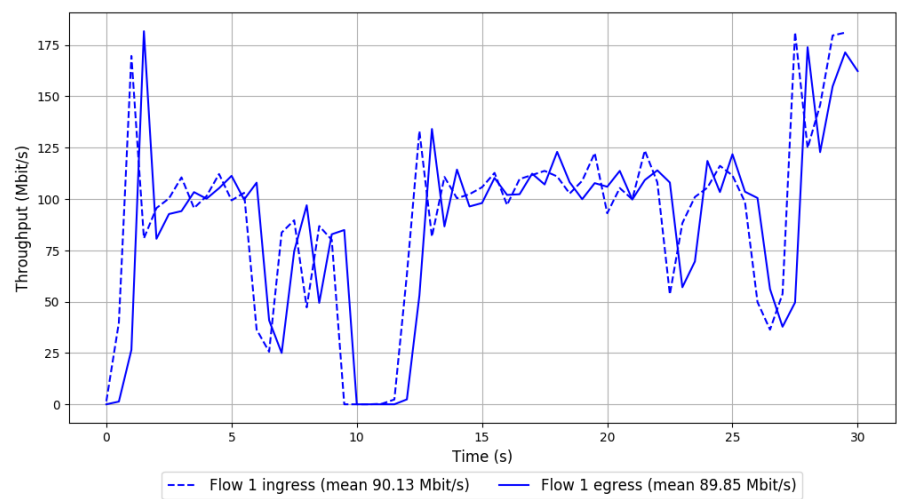


Run 4: Statistics of Copa

Start at: 2018-05-26 10:12:54
End at: 2018-05-26 10:13:24
Local clock offset: -0.246 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-05-26 12:46:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 50.843 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 50.843 ms
Loss rate: 0.65%

Run 4: Report of Copa — Data Link

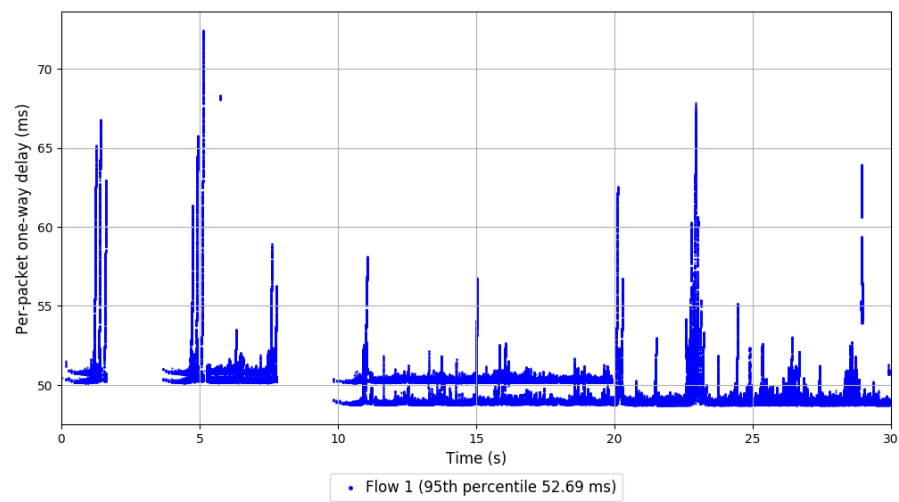
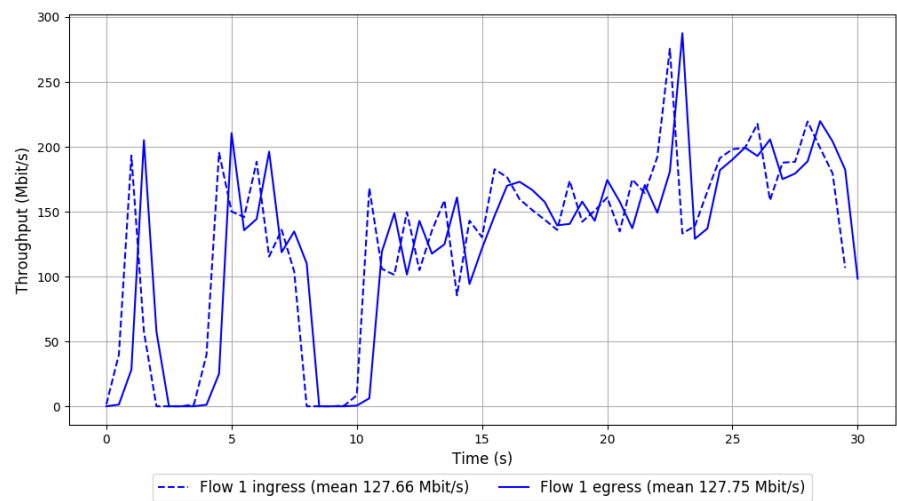


Run 5: Statistics of Copa

Start at: 2018-05-26 10:33:10
End at: 2018-05-26 10:33:40
Local clock offset: -0.217 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-26 12:46:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.75 Mbit/s
95th percentile per-packet one-way delay: 52.692 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 127.75 Mbit/s
95th percentile per-packet one-way delay: 52.692 ms
Loss rate: 0.27%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-26 10:53:06

End at: 2018-05-26 10:53:36

Local clock offset: -0.23 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-26 12:46:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.47 Mbit/s

95th percentile per-packet one-way delay: 54.605 ms

Loss rate: 0.46%

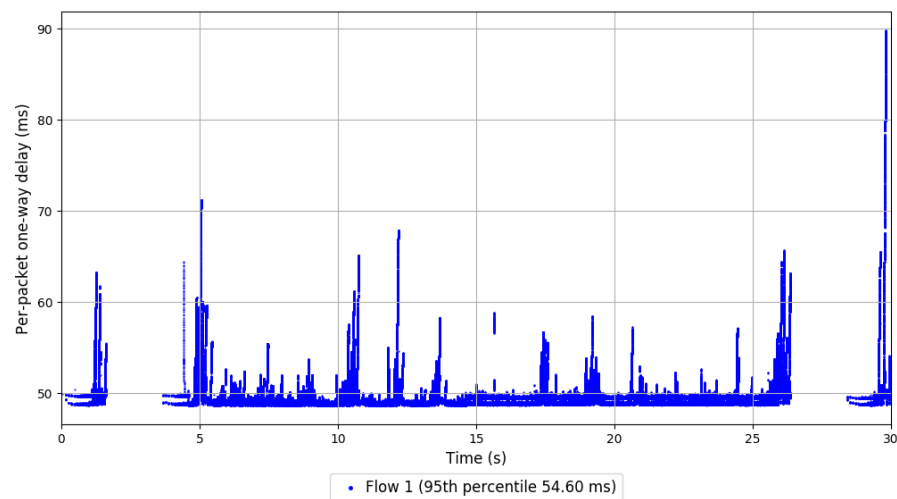
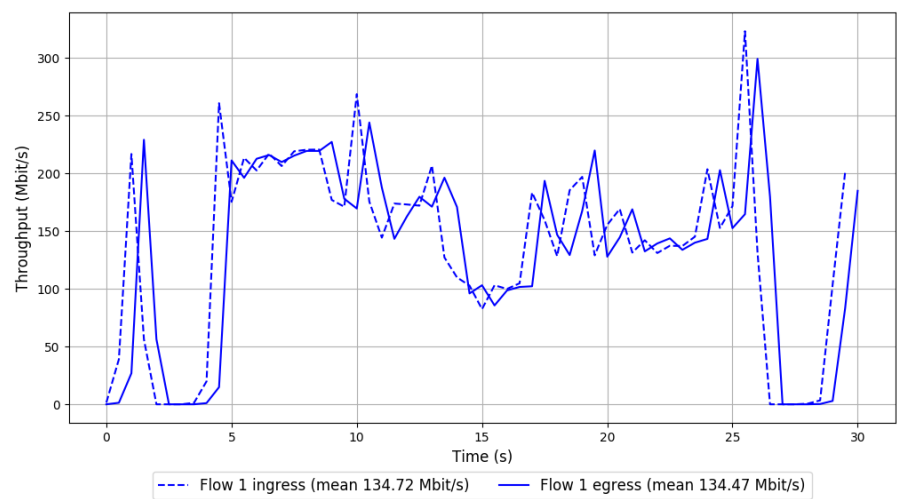
-- Flow 1:

Average throughput: 134.47 Mbit/s

95th percentile per-packet one-way delay: 54.605 ms

Loss rate: 0.46%

Run 6: Report of Copa — Data Link

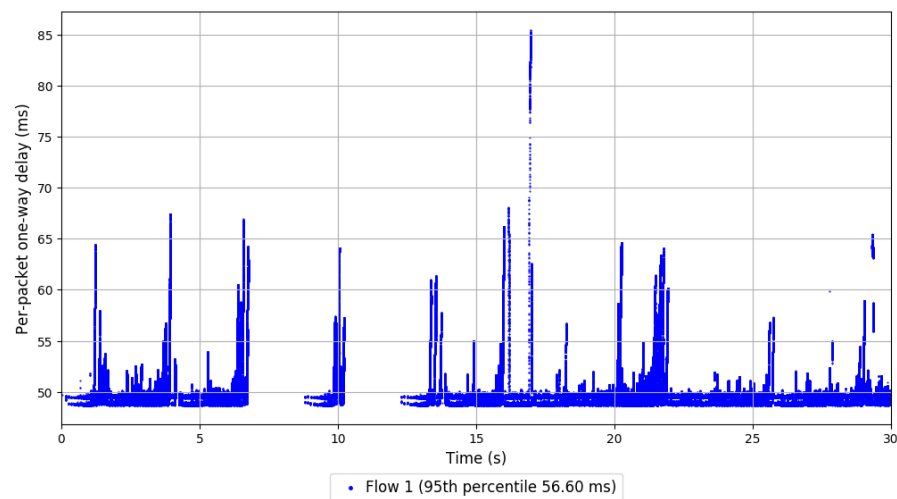
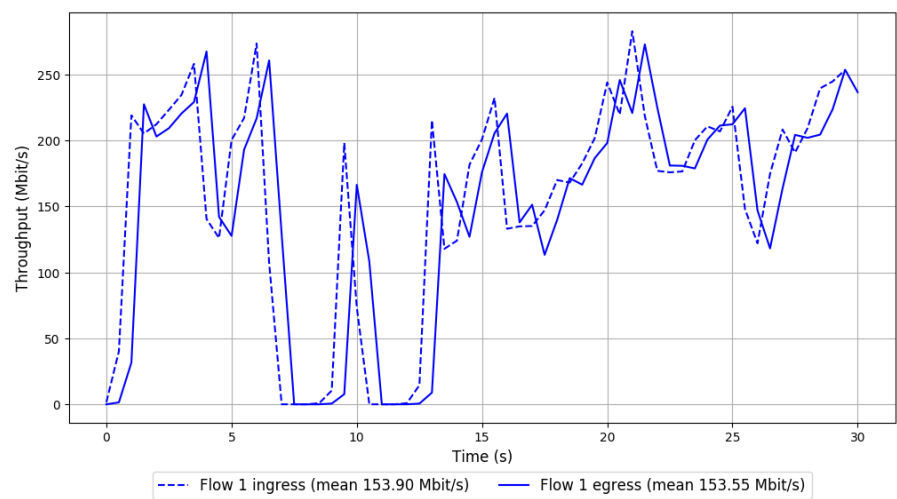


Run 7: Statistics of Copa

Start at: 2018-05-26 11:13:21
End at: 2018-05-26 11:13:51
Local clock offset: -0.113 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-26 12:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.55 Mbit/s
95th percentile per-packet one-way delay: 56.604 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 153.55 Mbit/s
95th percentile per-packet one-way delay: 56.604 ms
Loss rate: 0.55%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-26 11:33:44

End at: 2018-05-26 11:34:14

Local clock offset: -0.083 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-26 12:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.51 Mbit/s

95th percentile per-packet one-way delay: 51.332 ms

Loss rate: 0.00%

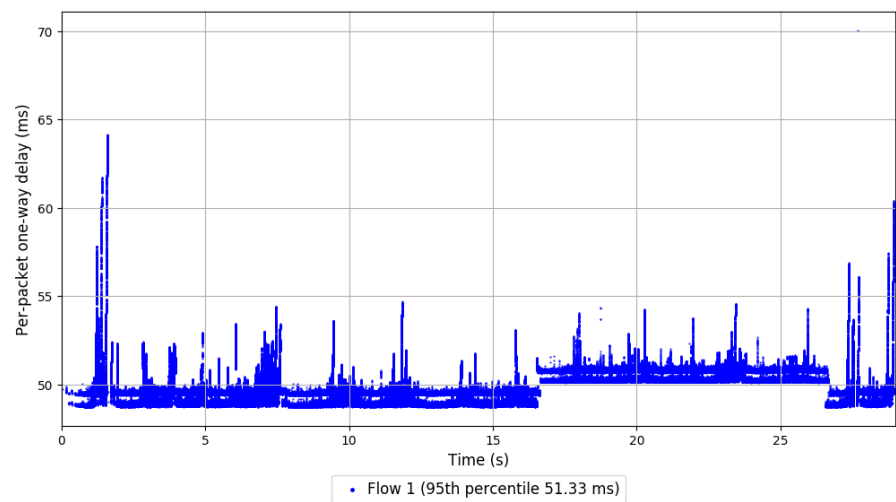
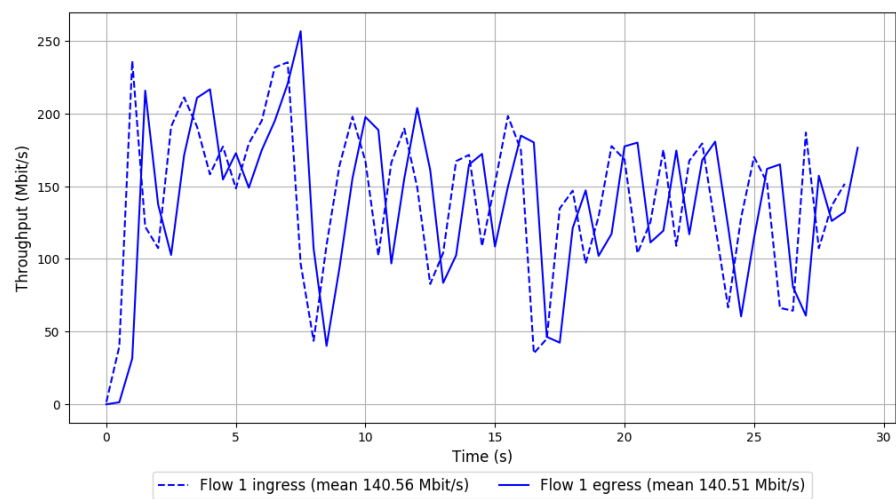
-- Flow 1:

Average throughput: 140.51 Mbit/s

95th percentile per-packet one-way delay: 51.332 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

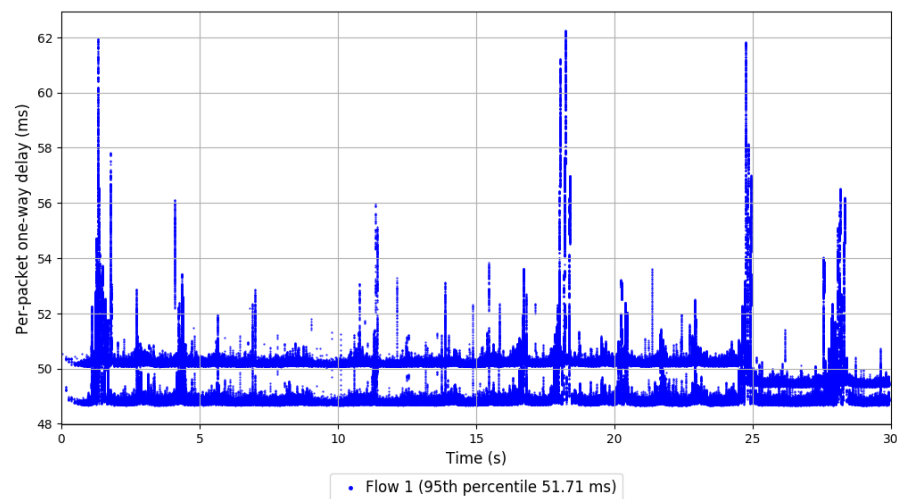
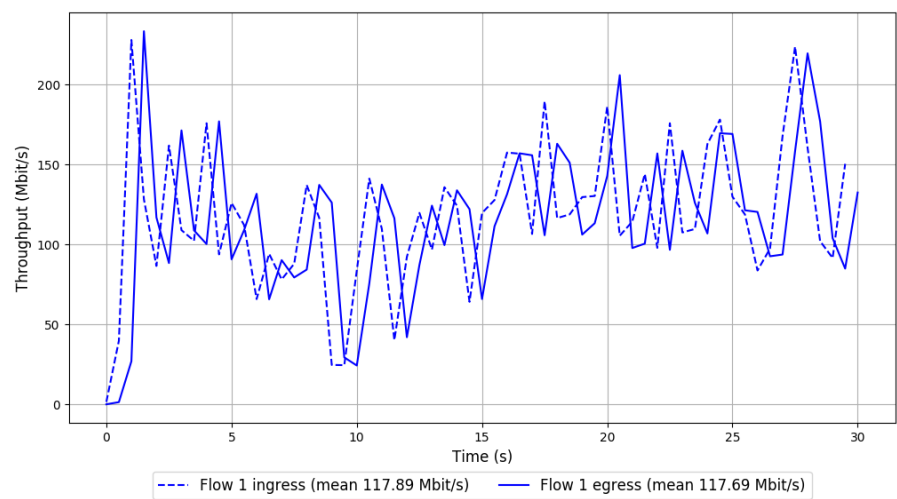


Run 9: Statistics of Copa

Start at: 2018-05-26 11:53:56
End at: 2018-05-26 11:54:26
Local clock offset: -0.173 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-26 12:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.69 Mbit/s
95th percentile per-packet one-way delay: 51.711 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 117.69 Mbit/s
95th percentile per-packet one-way delay: 51.711 ms
Loss rate: 0.51%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-26 12:14:08

End at: 2018-05-26 12:14:38

Local clock offset: 0.209 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-26 12:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.36 Mbit/s

95th percentile per-packet one-way delay: 53.159 ms

Loss rate: 0.20%

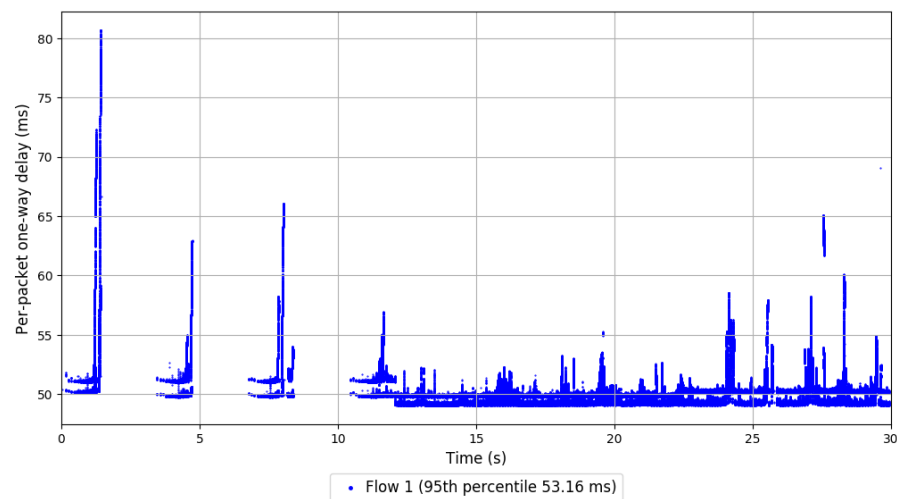
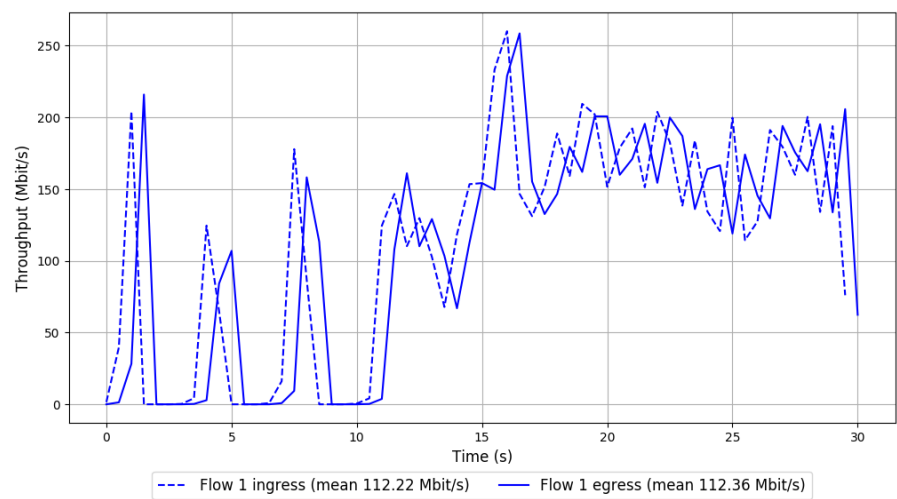
-- Flow 1:

Average throughput: 112.36 Mbit/s

95th percentile per-packet one-way delay: 53.159 ms

Loss rate: 0.20%

Run 10: Report of Copa — Data Link

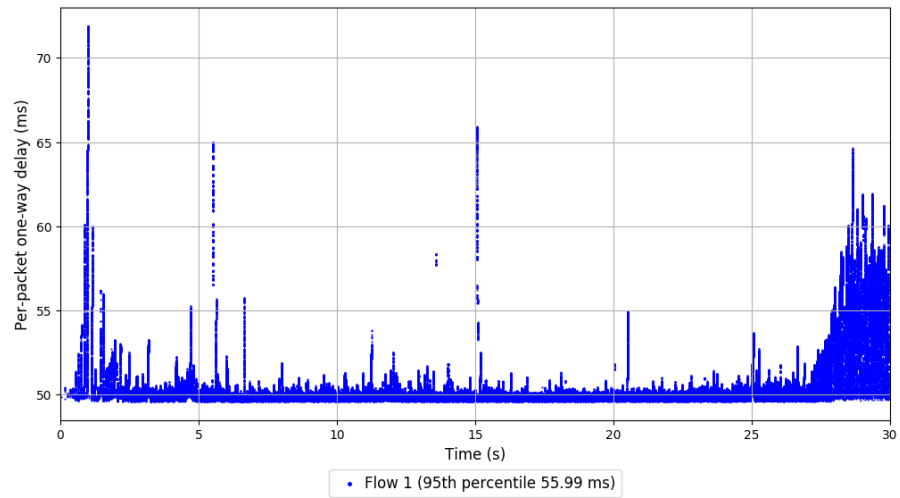
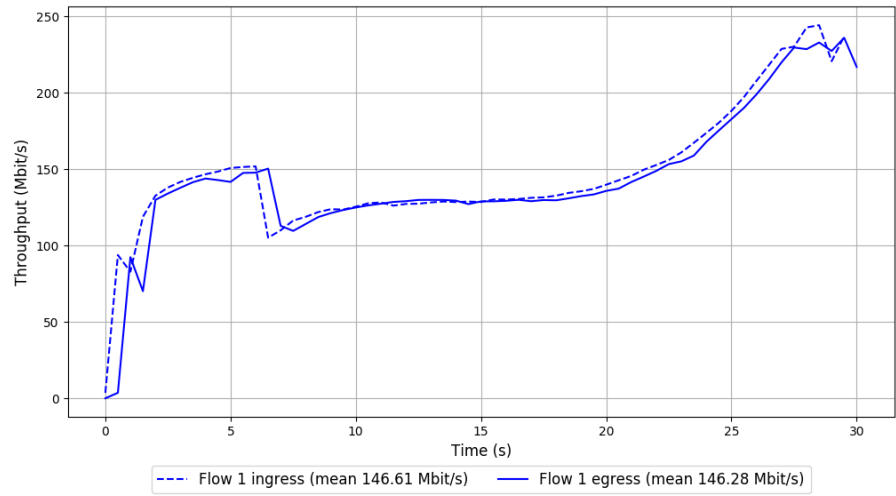


Run 1: Statistics of TCP Cubic

Start at: 2018-05-26 09:22:30
End at: 2018-05-26 09:23:00
Local clock offset: -0.219 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-26 12:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.28 Mbit/s
95th percentile per-packet one-way delay: 55.988 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 146.28 Mbit/s
95th percentile per-packet one-way delay: 55.988 ms
Loss rate: 0.54%

Run 1: Report of TCP Cubic — Data Link

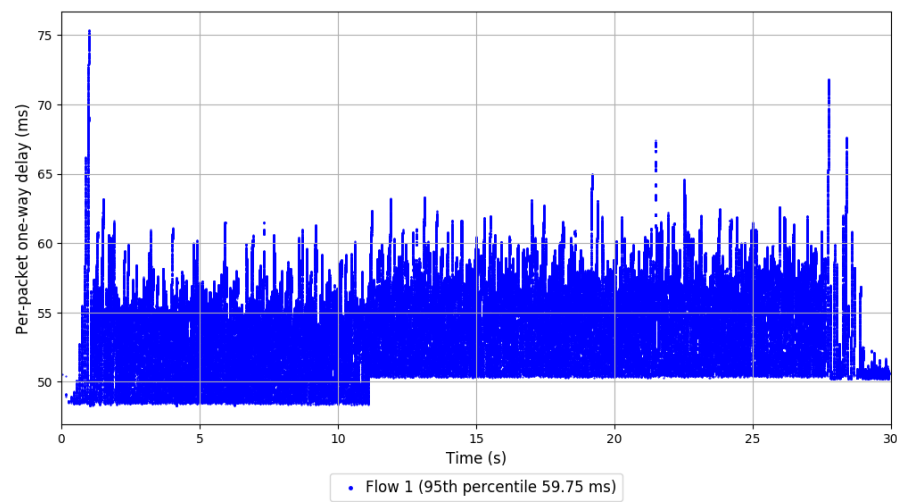
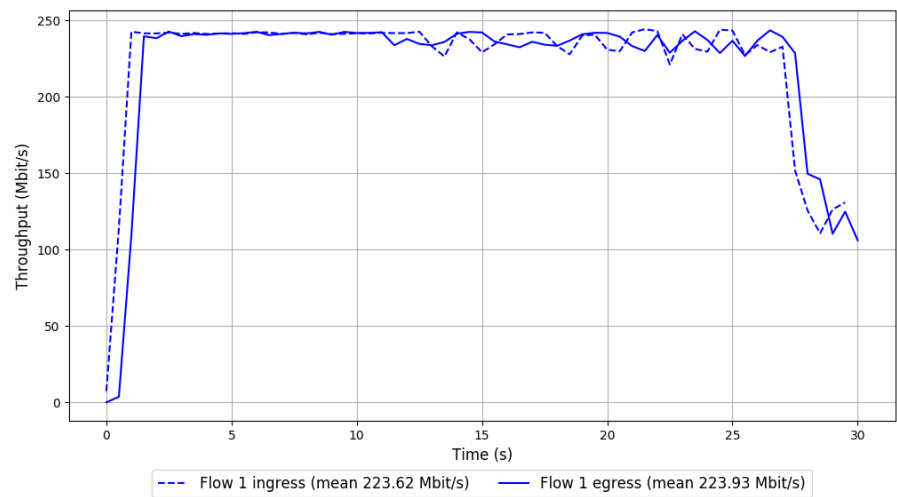


Run 2: Statistics of TCP Cubic

Start at: 2018-05-26 09:42:39
End at: 2018-05-26 09:43:09
Local clock offset: -0.573 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-26 12:50:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.93 Mbit/s
95th percentile per-packet one-way delay: 59.747 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 223.93 Mbit/s
95th percentile per-packet one-way delay: 59.747 ms
Loss rate: 0.20%

Run 2: Report of TCP Cubic — Data Link

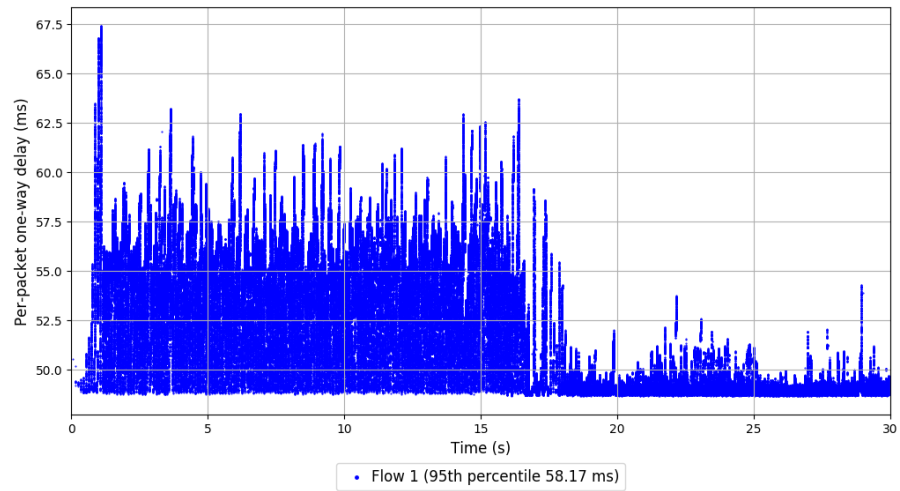
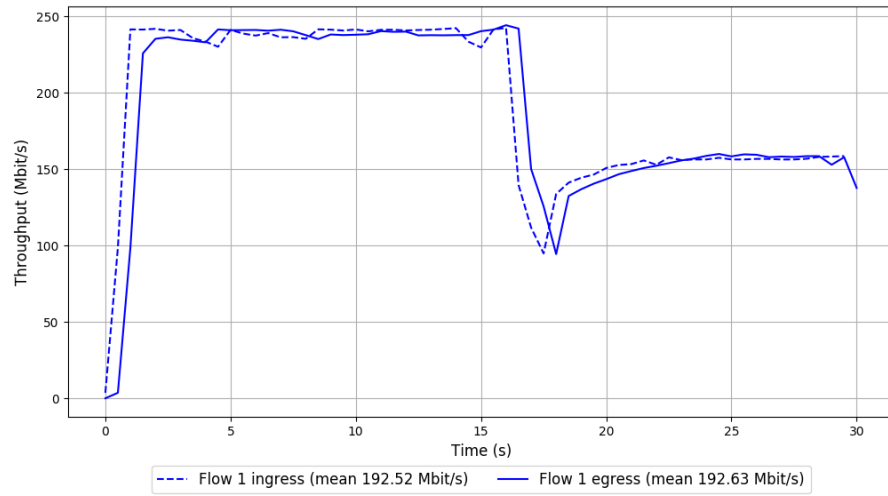


Run 3: Statistics of TCP Cubic

Start at: 2018-05-26 10:02:45
End at: 2018-05-26 10:03:15
Local clock offset: -0.232 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-05-26 12:50:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.63 Mbit/s
95th percentile per-packet one-way delay: 58.169 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 192.63 Mbit/s
95th percentile per-packet one-way delay: 58.169 ms
Loss rate: 0.28%

Run 3: Report of TCP Cubic — Data Link

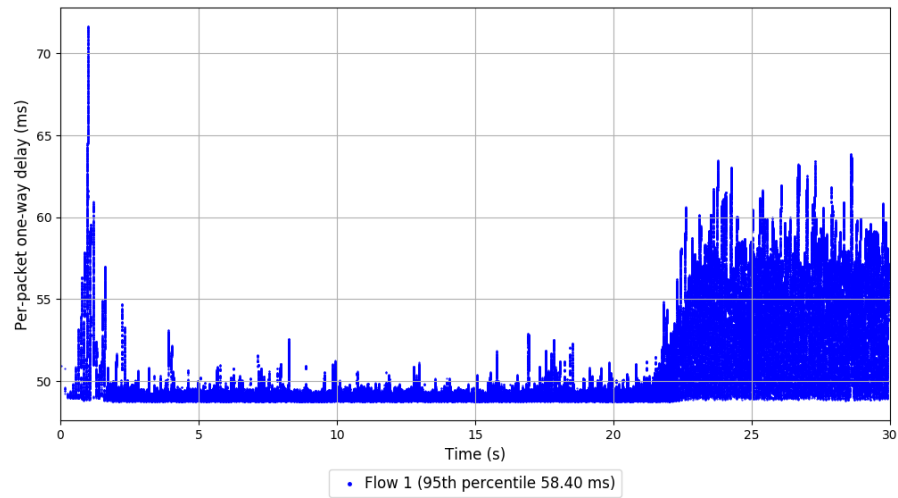
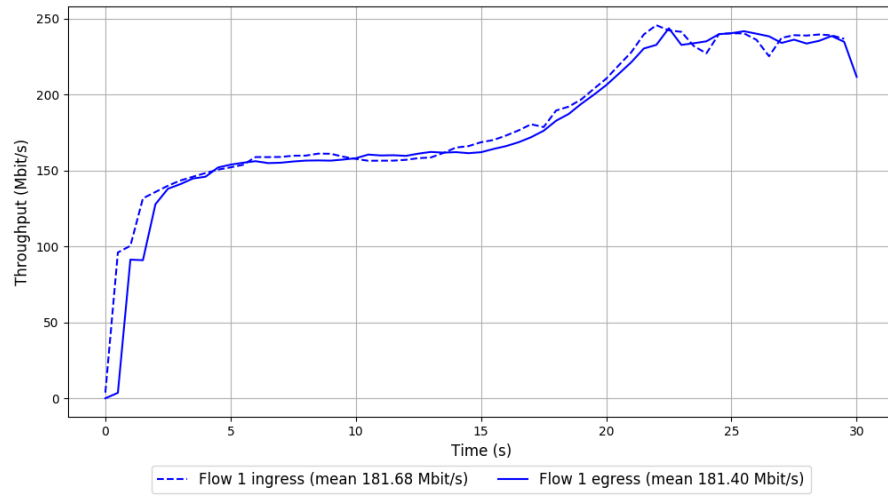


Run 4: Statistics of TCP Cubic

Start at: 2018-05-26 10:23:07
End at: 2018-05-26 10:23:37
Local clock offset: -0.219 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-26 12:50:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.40 Mbit/s
95th percentile per-packet one-way delay: 58.404 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 181.40 Mbit/s
95th percentile per-packet one-way delay: 58.404 ms
Loss rate: 0.49%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-26 10:43:10

End at: 2018-05-26 10:43:40

Local clock offset: -0.626 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-26 12:51:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.30 Mbit/s

95th percentile per-packet one-way delay: 57.329 ms

Loss rate: 0.48%

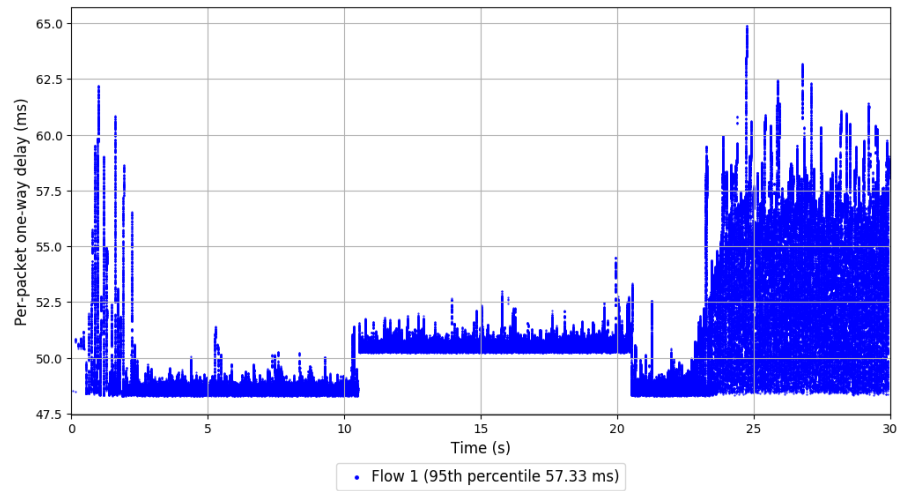
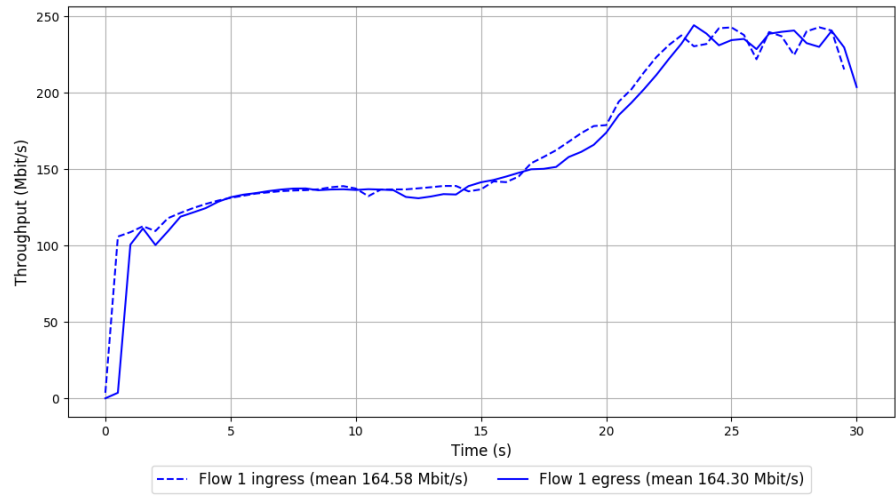
-- Flow 1:

Average throughput: 164.30 Mbit/s

95th percentile per-packet one-way delay: 57.329 ms

Loss rate: 0.48%

Run 5: Report of TCP Cubic — Data Link

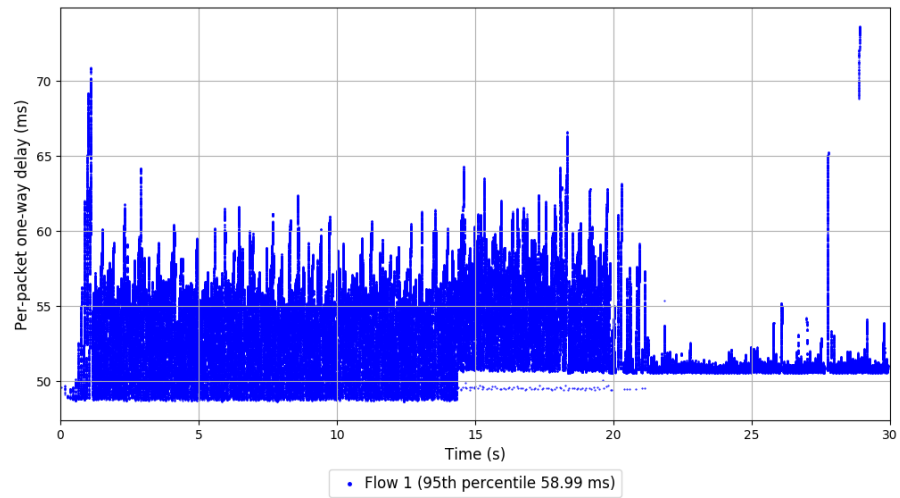
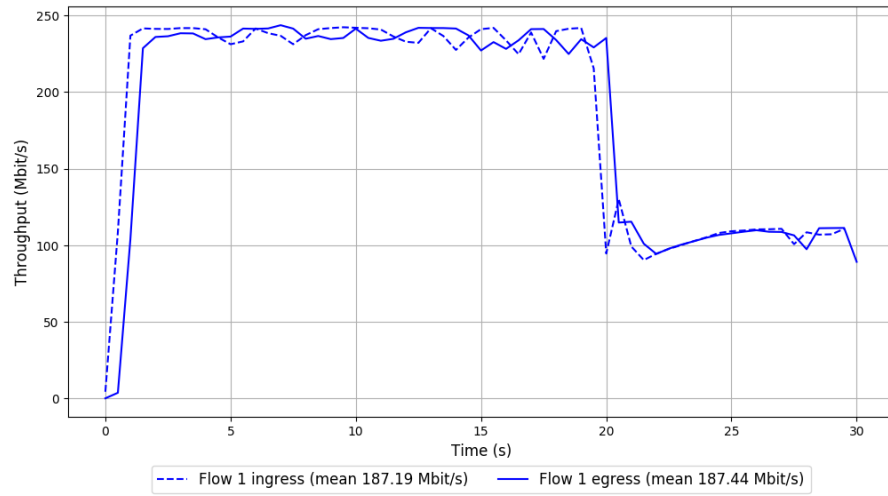


Run 6: Statistics of TCP Cubic

Start at: 2018-05-26 11:03:16
End at: 2018-05-26 11:03:46
Local clock offset: -0.187 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-26 12:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.44 Mbit/s
95th percentile per-packet one-way delay: 58.993 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 187.44 Mbit/s
95th percentile per-packet one-way delay: 58.993 ms
Loss rate: 0.20%

Run 6: Report of TCP Cubic — Data Link

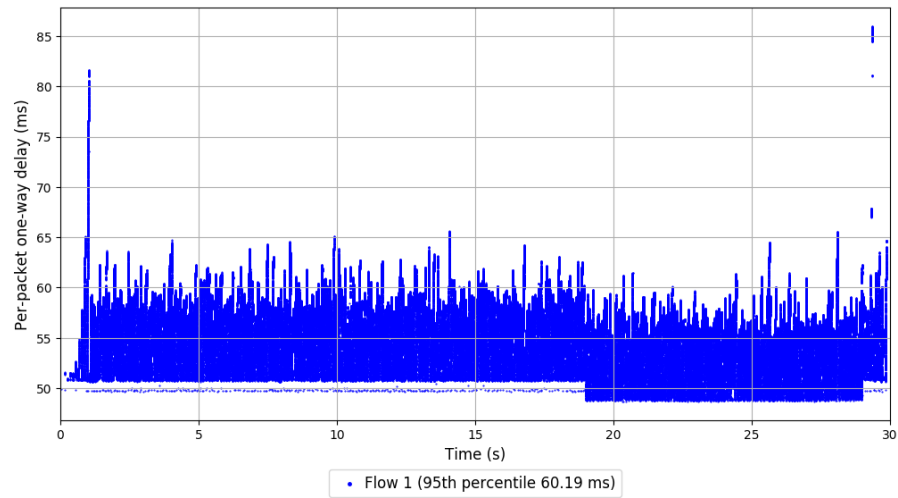
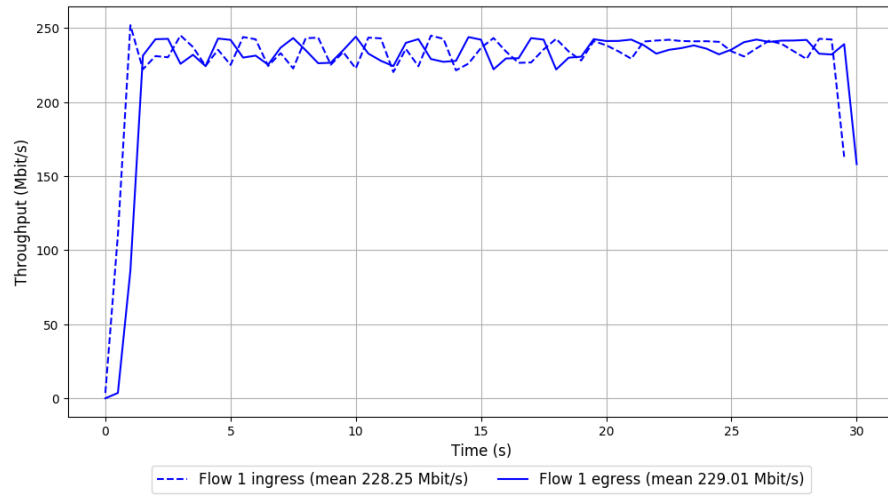


Run 7: Statistics of TCP Cubic

Start at: 2018-05-26 11:23:31
End at: 2018-05-26 11:24:01
Local clock offset: -0.111 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-26 12:53:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.01 Mbit/s
95th percentile per-packet one-way delay: 60.191 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 229.01 Mbit/s
95th percentile per-packet one-way delay: 60.191 ms
Loss rate: 0.21%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-26 11:43:51

End at: 2018-05-26 11:44:21

Local clock offset: 0.231 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-05-26 12:53:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.15 Mbit/s

95th percentile per-packet one-way delay: 60.194 ms

Loss rate: 0.35%

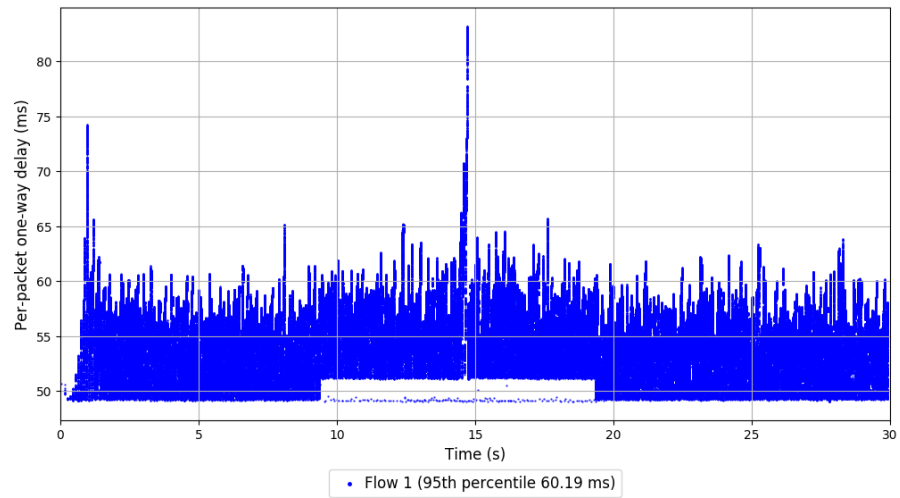
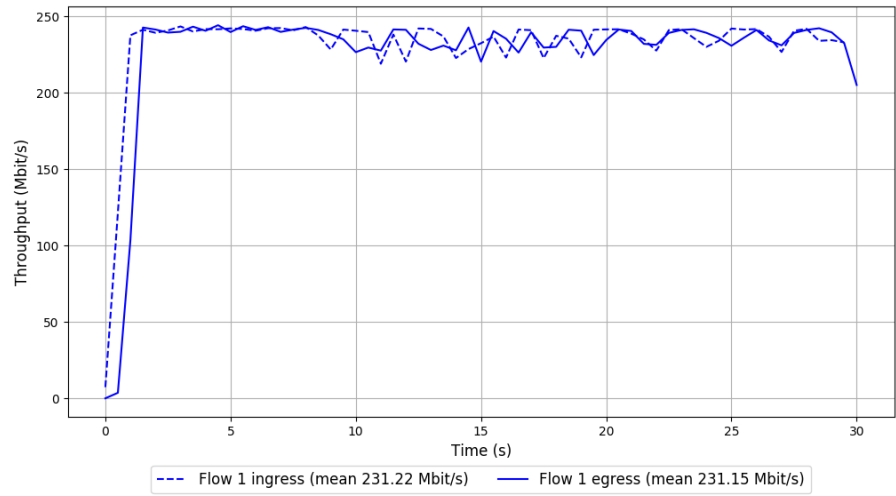
-- Flow 1:

Average throughput: 231.15 Mbit/s

95th percentile per-packet one-way delay: 60.194 ms

Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-26 12:03:59

End at: 2018-05-26 12:04:29

Local clock offset: -0.169 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-26 12:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.19 Mbit/s

95th percentile per-packet one-way delay: 60.245 ms

Loss rate: 0.35%

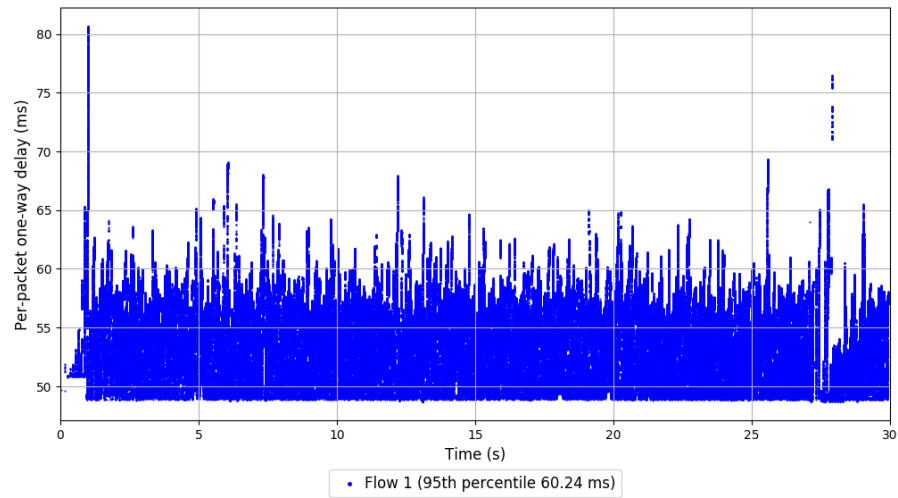
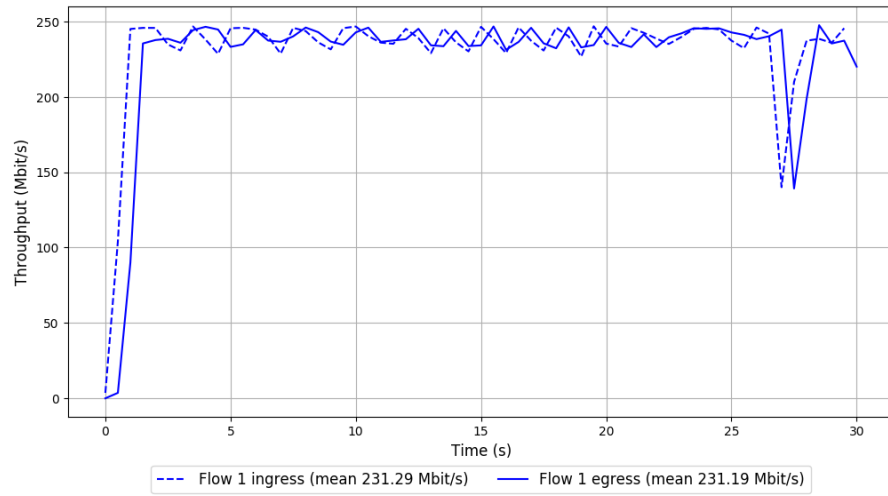
-- Flow 1:

Average throughput: 231.19 Mbit/s

95th percentile per-packet one-way delay: 60.245 ms

Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

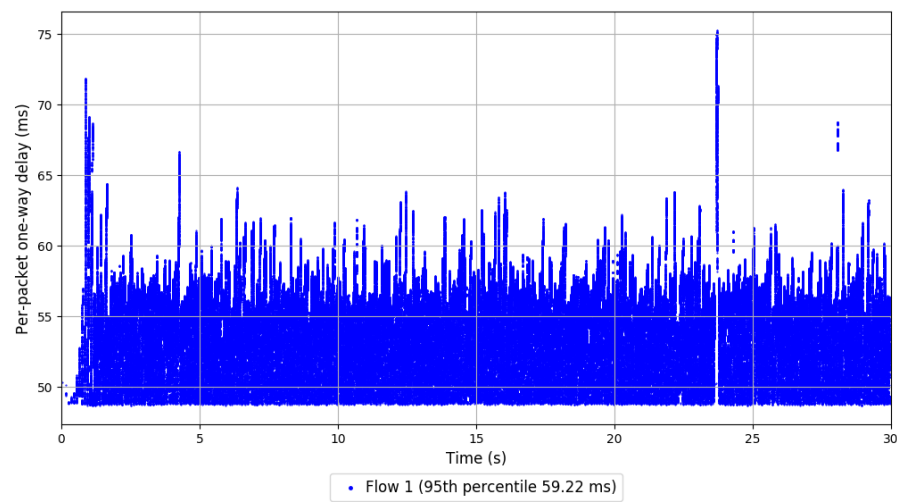
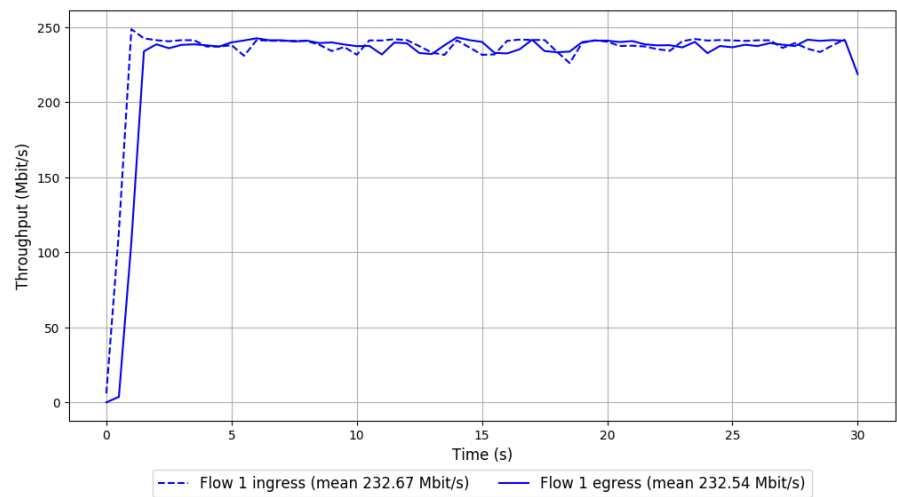


Run 10: Statistics of TCP Cubic

Start at: 2018-05-26 12:24:21
End at: 2018-05-26 12:24:51
Local clock offset: -0.209 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-26 12:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.54 Mbit/s
95th percentile per-packet one-way delay: 59.218 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 232.54 Mbit/s
95th percentile per-packet one-way delay: 59.218 ms
Loss rate: 0.34%

Run 10: Report of TCP Cubic — Data Link

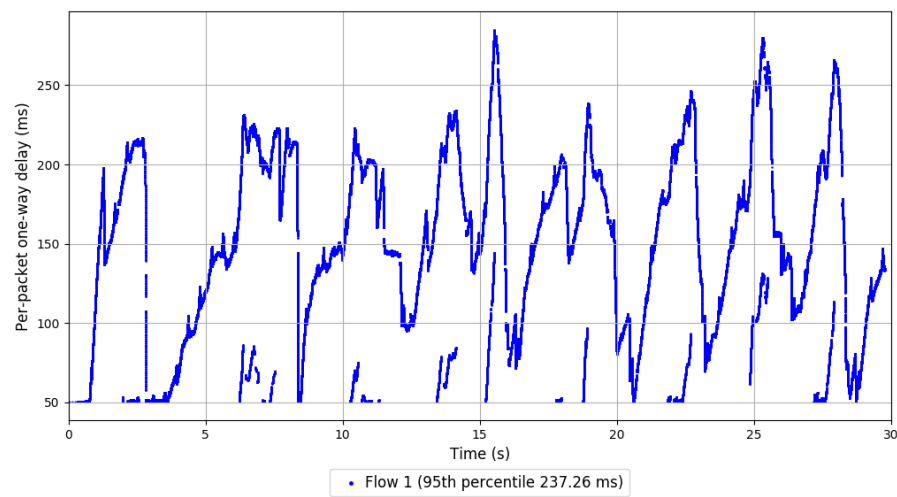
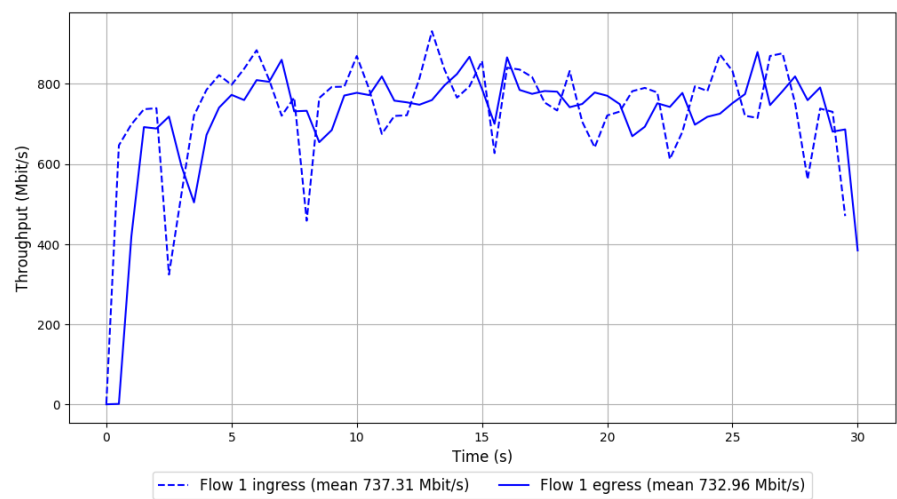


Run 1: Statistics of FillP

Start at: 2018-05-26 09:24:47
End at: 2018-05-26 09:25:17
Local clock offset: -0.232 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-26 13:05:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 732.96 Mbit/s
95th percentile per-packet one-way delay: 237.260 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 732.96 Mbit/s
95th percentile per-packet one-way delay: 237.260 ms
Loss rate: 0.92%

Run 1: Report of FillP — Data Link

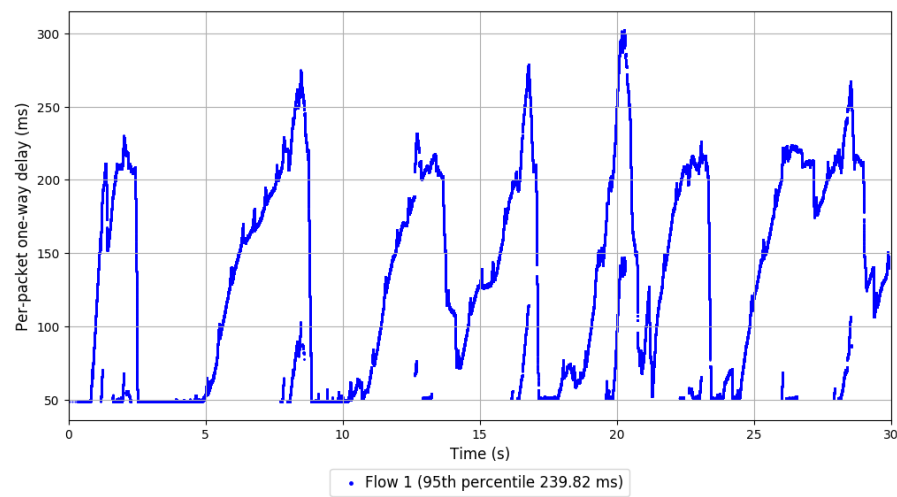
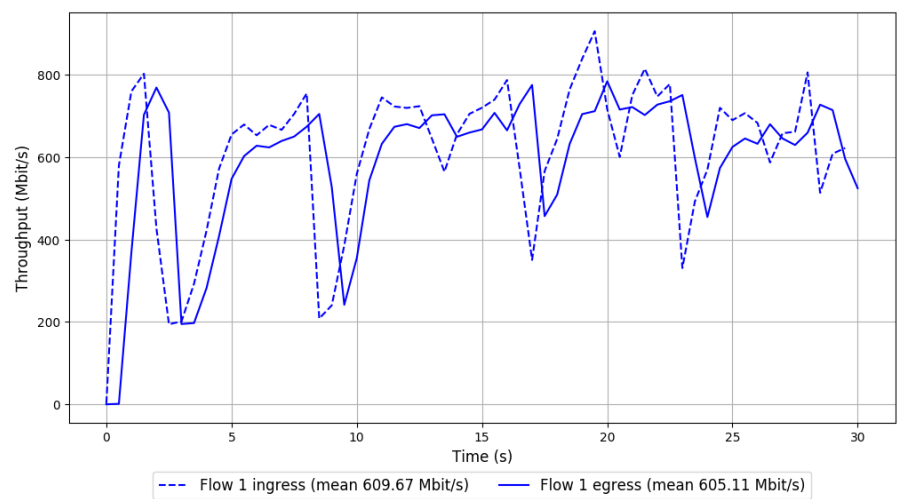


Run 2: Statistics of FillP

Start at: 2018-05-26 09:45:00
End at: 2018-05-26 09:45:30
Local clock offset: -0.162 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-26 13:05:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 605.11 Mbit/s
95th percentile per-packet one-way delay: 239.820 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 605.11 Mbit/s
95th percentile per-packet one-way delay: 239.820 ms
Loss rate: 1.08%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-26 10:05:05

End at: 2018-05-26 10:05:35

Local clock offset: -0.219 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-26 13:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 624.32 Mbit/s

95th percentile per-packet one-way delay: 225.222 ms

Loss rate: 0.95%

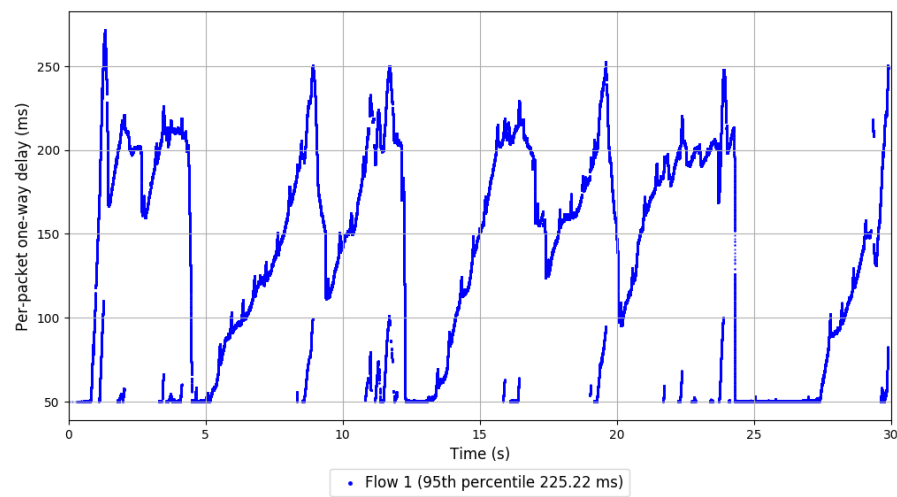
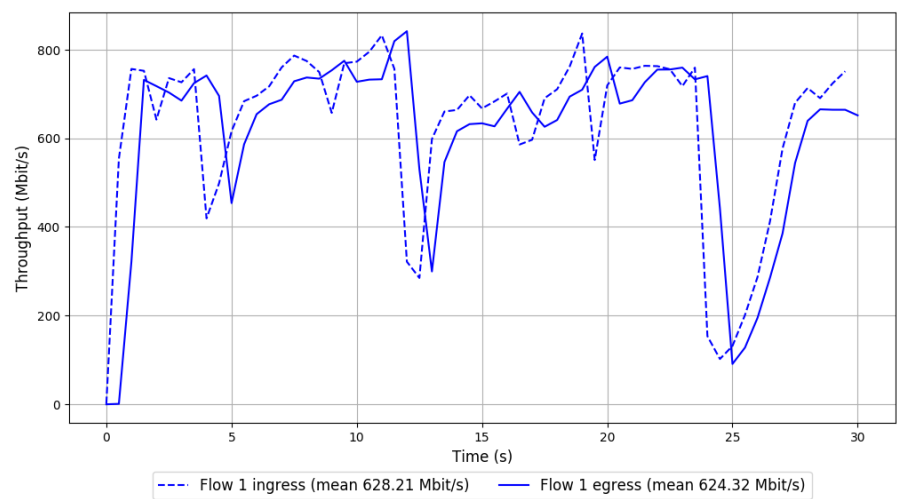
-- Flow 1:

Average throughput: 624.32 Mbit/s

95th percentile per-packet one-way delay: 225.222 ms

Loss rate: 0.95%

Run 3: Report of FillP — Data Link

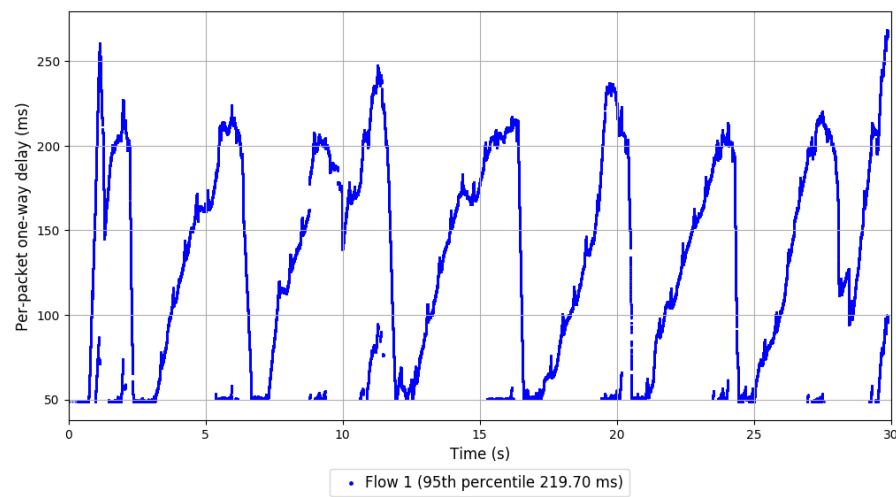
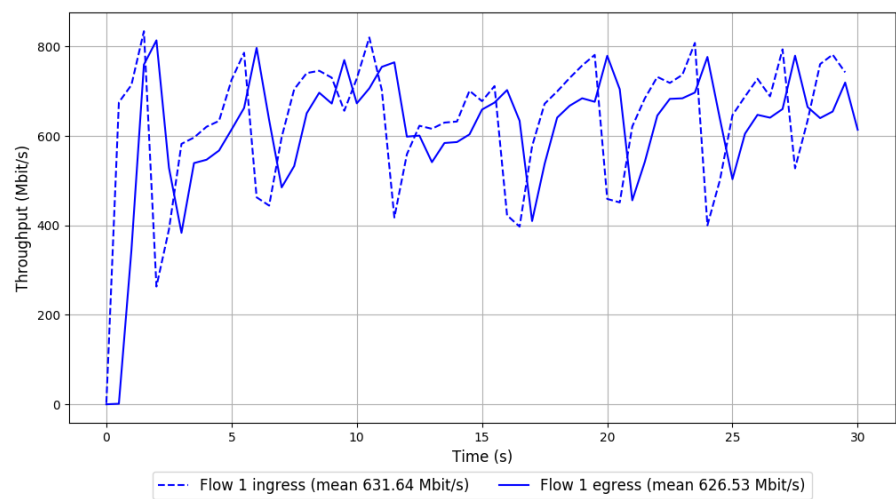


Run 4: Statistics of FillP

Start at: 2018-05-26 10:25:26
End at: 2018-05-26 10:25:56
Local clock offset: -0.222 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-26 13:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 626.53 Mbit/s
95th percentile per-packet one-way delay: 219.701 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 626.53 Mbit/s
95th percentile per-packet one-way delay: 219.701 ms
Loss rate: 1.14%

Run 4: Report of FillP — Data Link

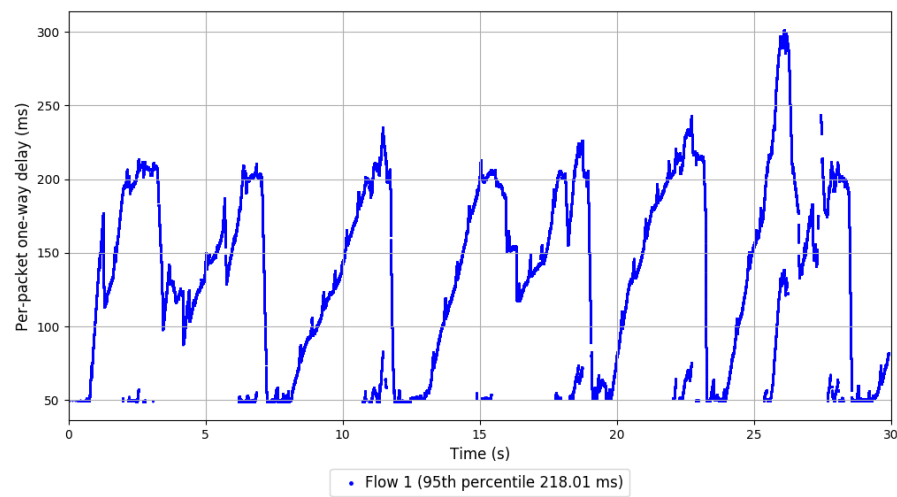
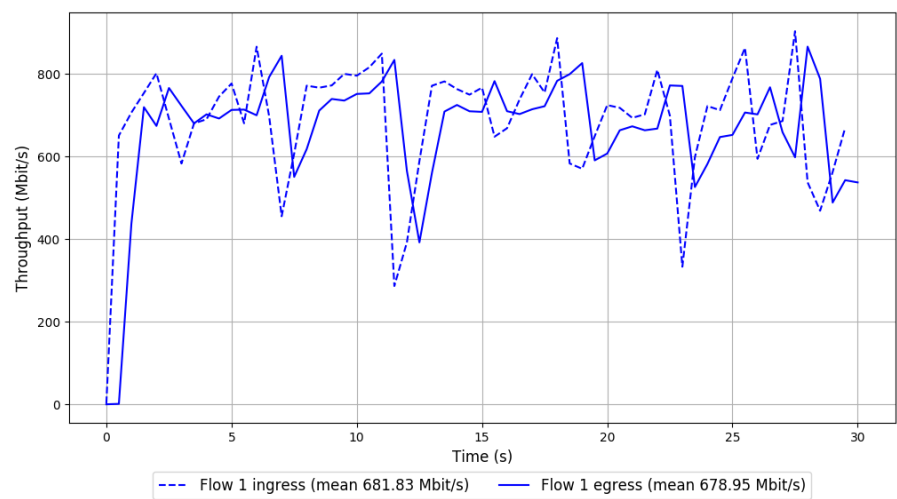


Run 5: Statistics of FillP

Start at: 2018-05-26 10:45:28
End at: 2018-05-26 10:45:58
Local clock offset: -0.274 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-26 13:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 678.95 Mbit/s
95th percentile per-packet one-way delay: 218.006 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 678.95 Mbit/s
95th percentile per-packet one-way delay: 218.006 ms
Loss rate: 0.76%

Run 5: Report of FillP — Data Link

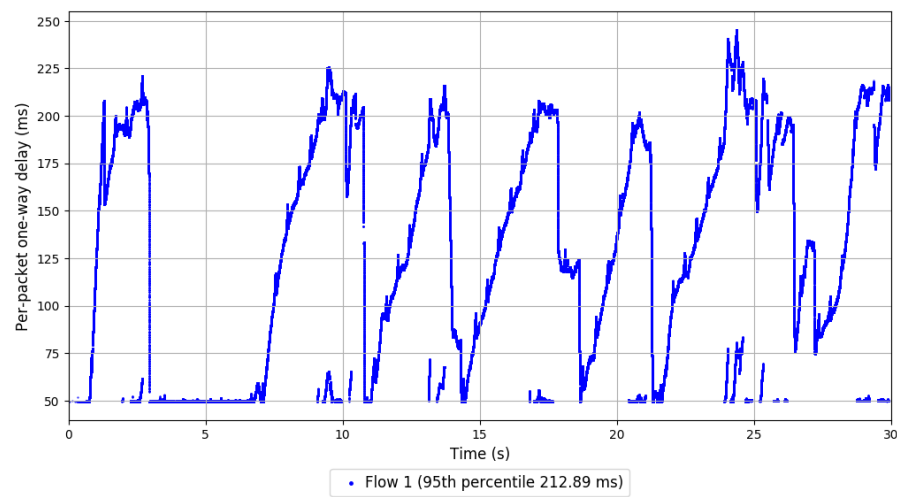
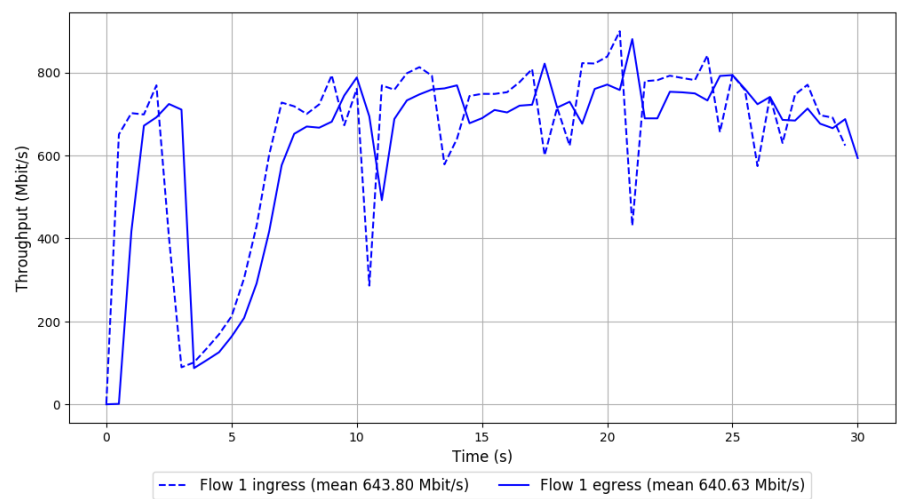


Run 6: Statistics of FillP

Start at: 2018-05-26 11:05:35
End at: 2018-05-26 11:06:05
Local clock offset: -0.133 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-26 13:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 640.63 Mbit/s
95th percentile per-packet one-way delay: 212.886 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 640.63 Mbit/s
95th percentile per-packet one-way delay: 212.886 ms
Loss rate: 0.82%

Run 6: Report of FillP — Data Link

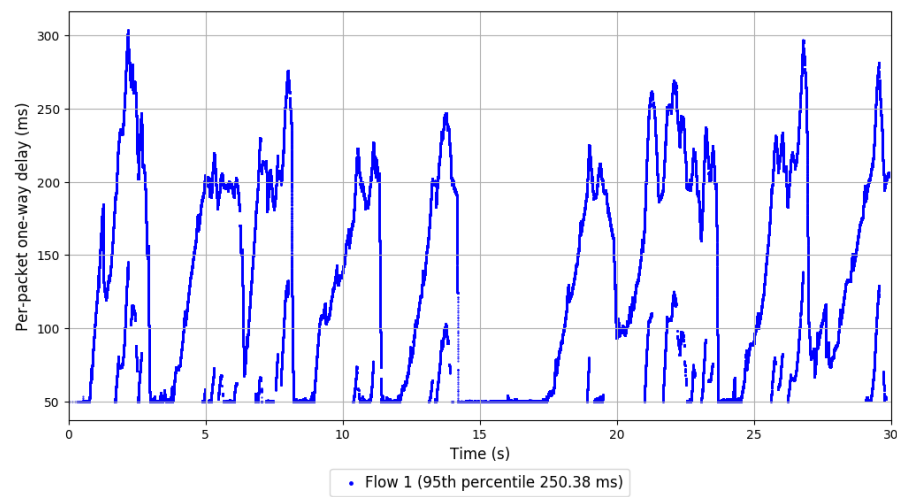
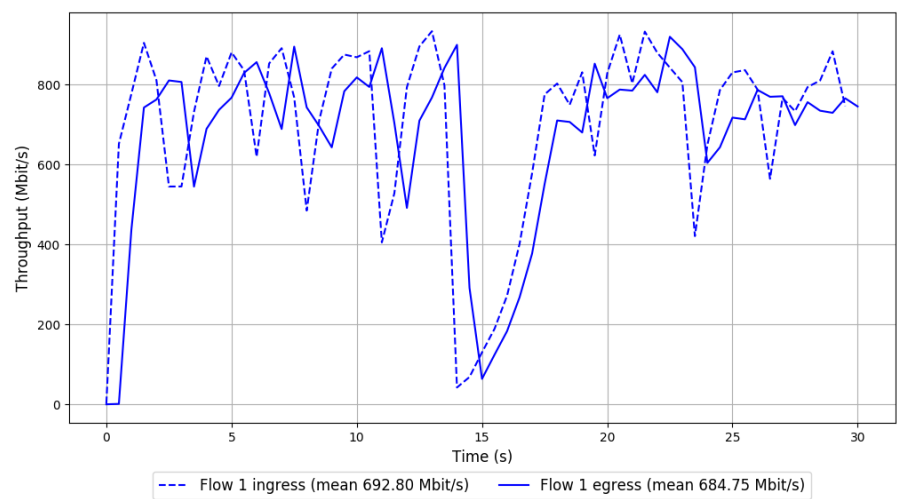


Run 7: Statistics of FillP

Start at: 2018-05-26 11:25:53
End at: 2018-05-26 11:26:23
Local clock offset: -0.469 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-26 13:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 684.75 Mbit/s
95th percentile per-packet one-way delay: 250.375 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 684.75 Mbit/s
95th percentile per-packet one-way delay: 250.375 ms
Loss rate: 1.49%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-26 11:46:13

End at: 2018-05-26 11:46:43

Local clock offset: -0.158 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-05-26 13:07:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 717.75 Mbit/s

95th percentile per-packet one-way delay: 231.379 ms

Loss rate: 0.70%

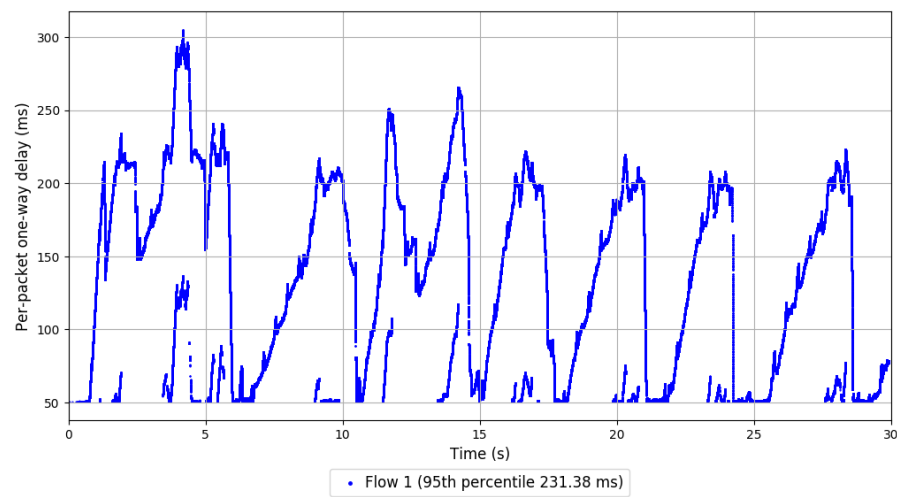
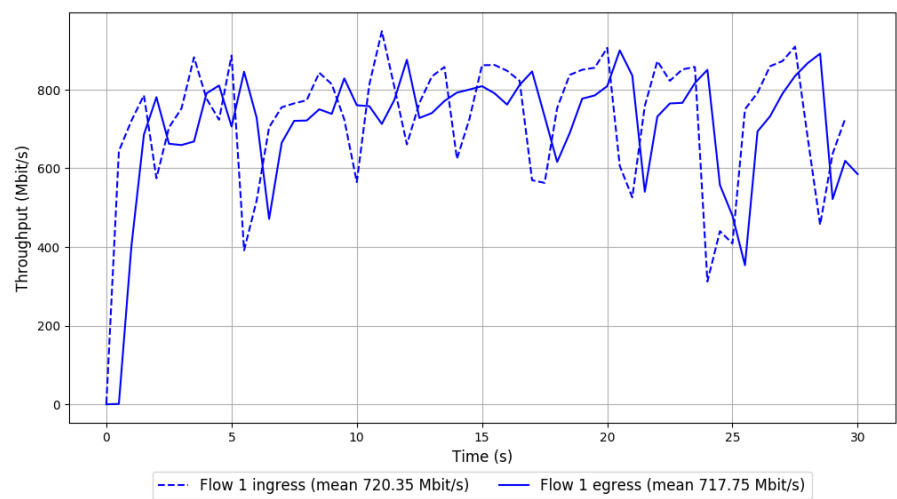
-- Flow 1:

Average throughput: 717.75 Mbit/s

95th percentile per-packet one-way delay: 231.379 ms

Loss rate: 0.70%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-26 12:06:21

End at: 2018-05-26 12:06:51

Local clock offset: -0.553 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-05-26 13:17:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 711.48 Mbit/s

95th percentile per-packet one-way delay: 245.371 ms

Loss rate: 1.60%

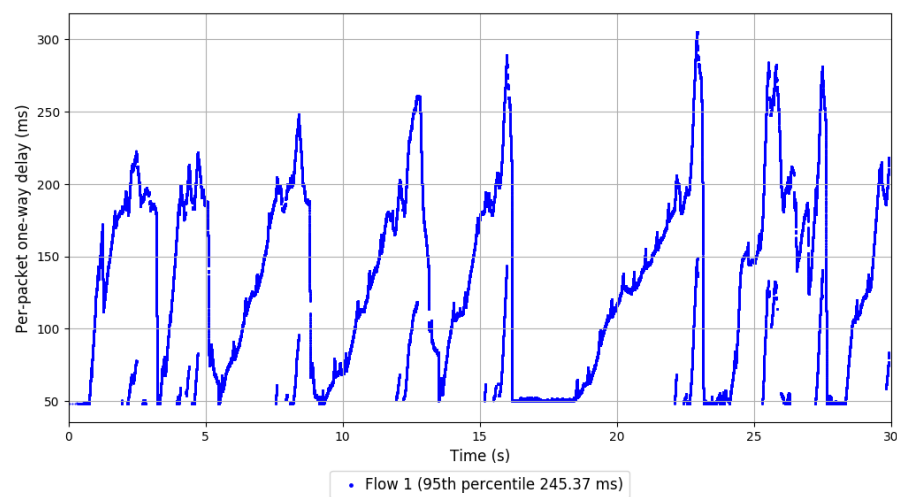
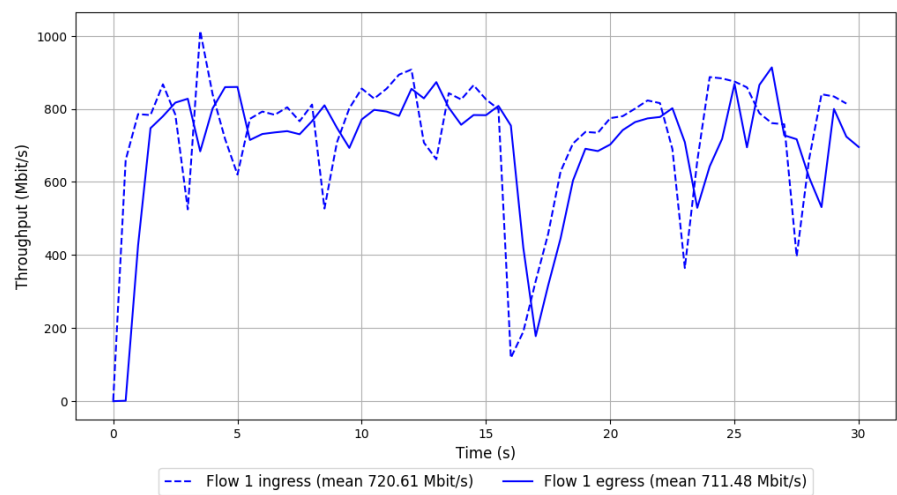
-- Flow 1:

Average throughput: 711.48 Mbit/s

95th percentile per-packet one-way delay: 245.371 ms

Loss rate: 1.60%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-26 12:26:43

End at: 2018-05-26 12:27:13

Local clock offset: 0.192 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 652.49 Mbit/s

95th percentile per-packet one-way delay: 233.596 ms

Loss rate: 1.15%

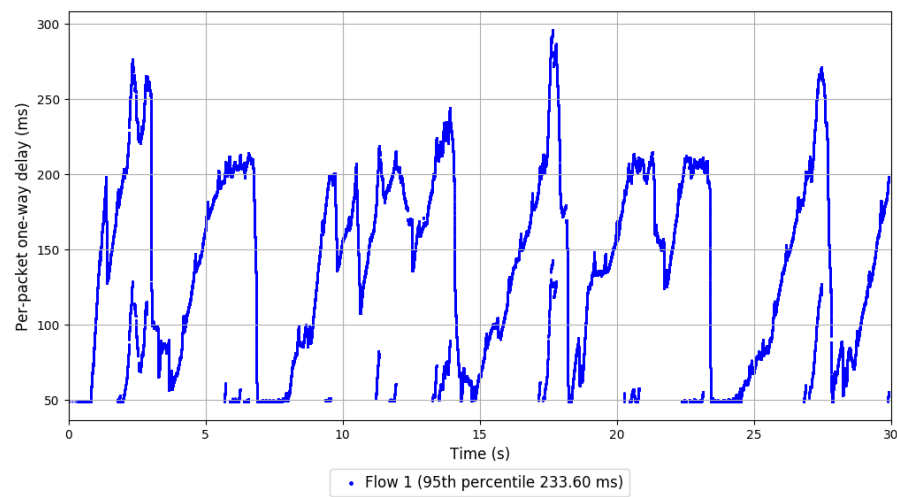
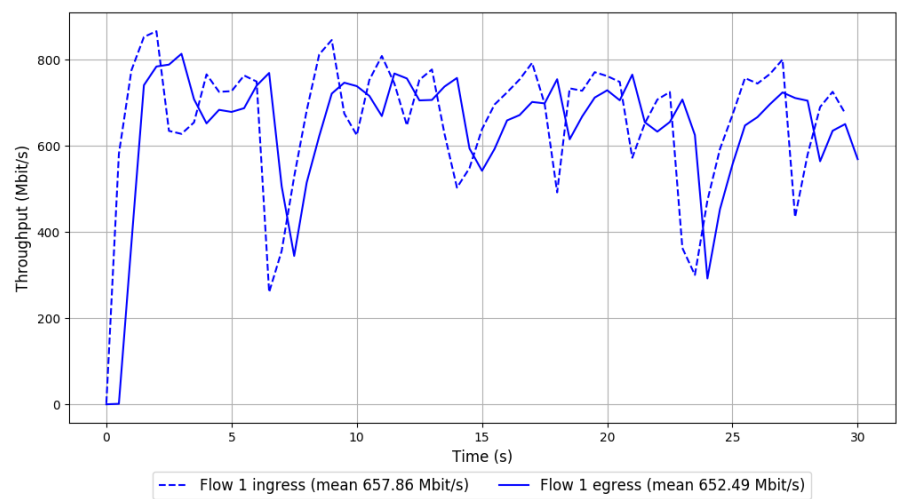
-- Flow 1:

Average throughput: 652.49 Mbit/s

95th percentile per-packet one-way delay: 233.596 ms

Loss rate: 1.15%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

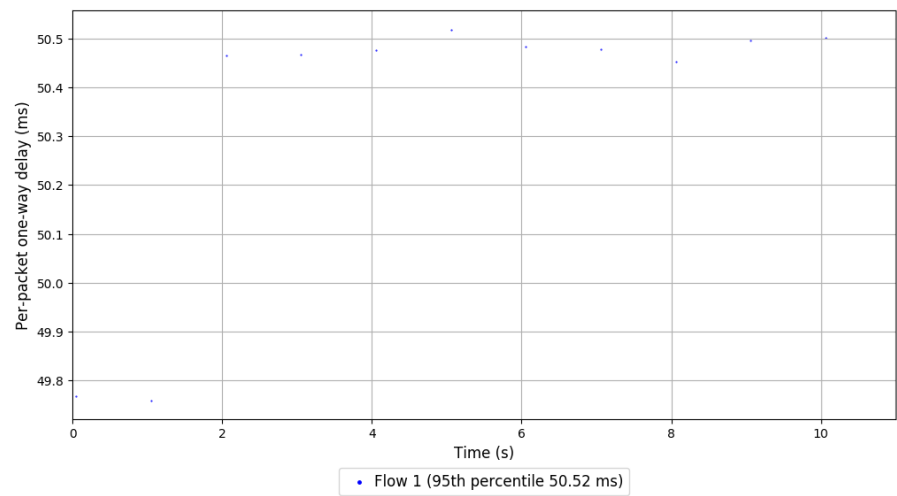
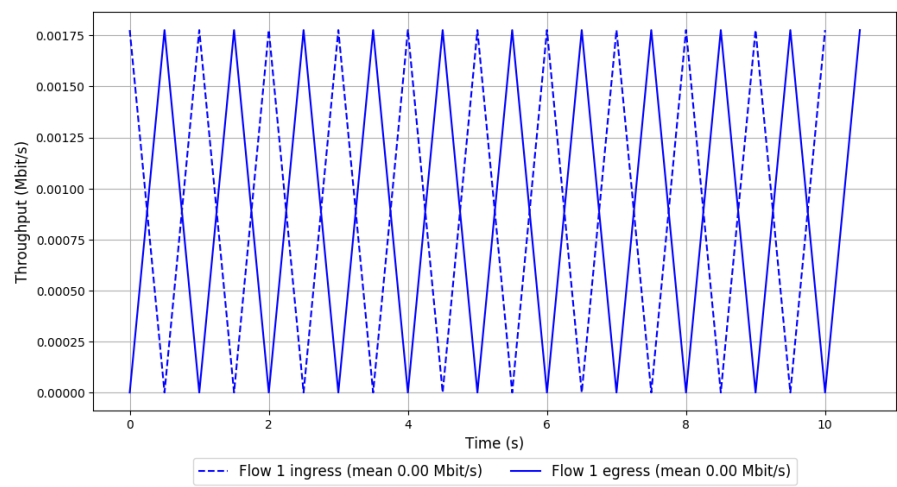
Start at: 2018-05-26 09:11:08

End at: 2018-05-26 09:11:38

Local clock offset: -0.33 ms

Remote clock offset: -0.032 ms

Run 1: Report of Indigo — Data Link

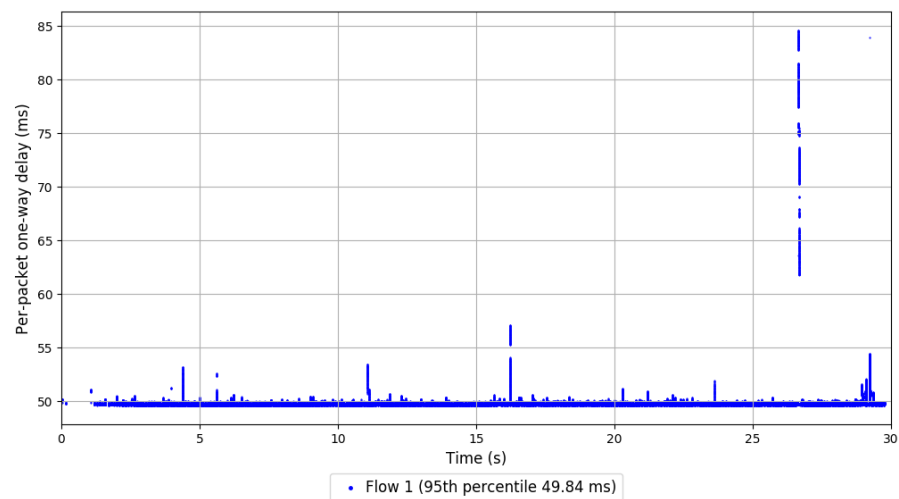
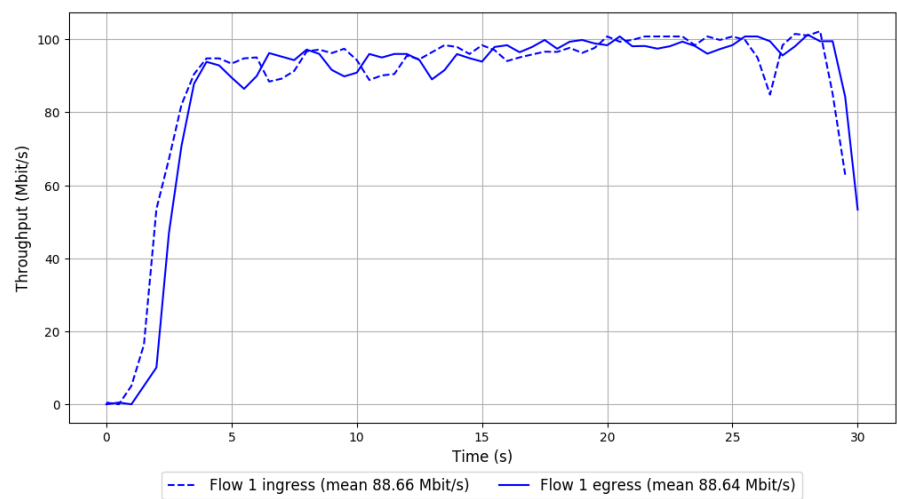


Run 2: Statistics of Indigo

Start at: 2018-05-26 09:31:18
End at: 2018-05-26 09:31:48
Local clock offset: -0.189 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 49.841 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 49.841 ms
Loss rate: 0.36%

Run 2: Report of Indigo — Data Link

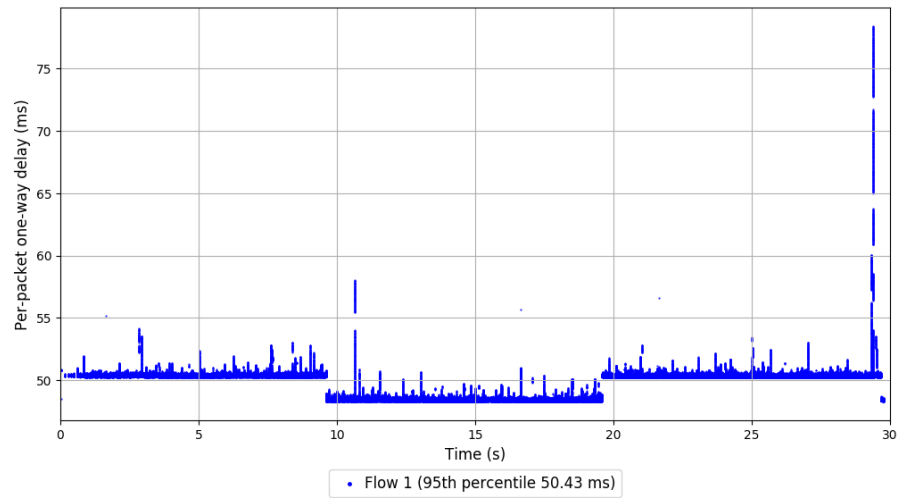
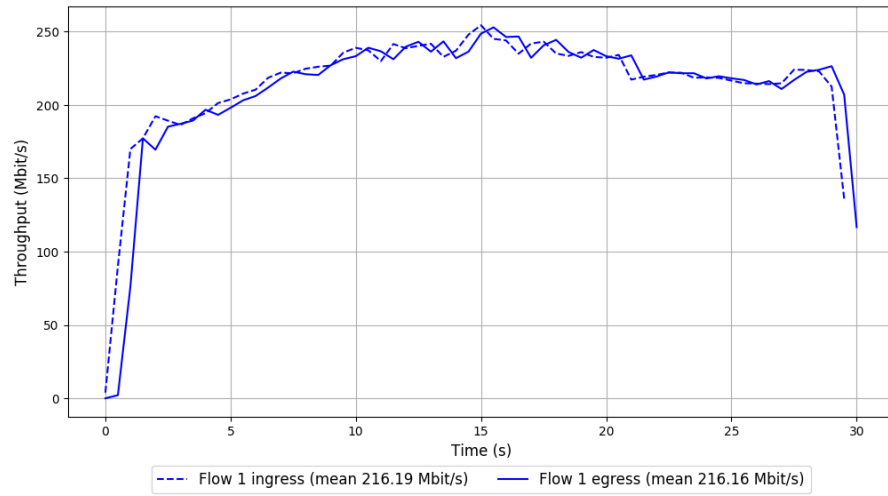


Run 3: Statistics of Indigo

Start at: 2018-05-26 09:51:21
End at: 2018-05-26 09:51:51
Local clock offset: -0.6 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.16 Mbit/s
95th percentile per-packet one-way delay: 50.431 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 216.16 Mbit/s
95th percentile per-packet one-way delay: 50.431 ms
Loss rate: 0.34%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-26 10:11:35

End at: 2018-05-26 10:12:05

Local clock offset: 0.133 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.98 Mbit/s

95th percentile per-packet one-way delay: 49.281 ms

Loss rate: 0.35%

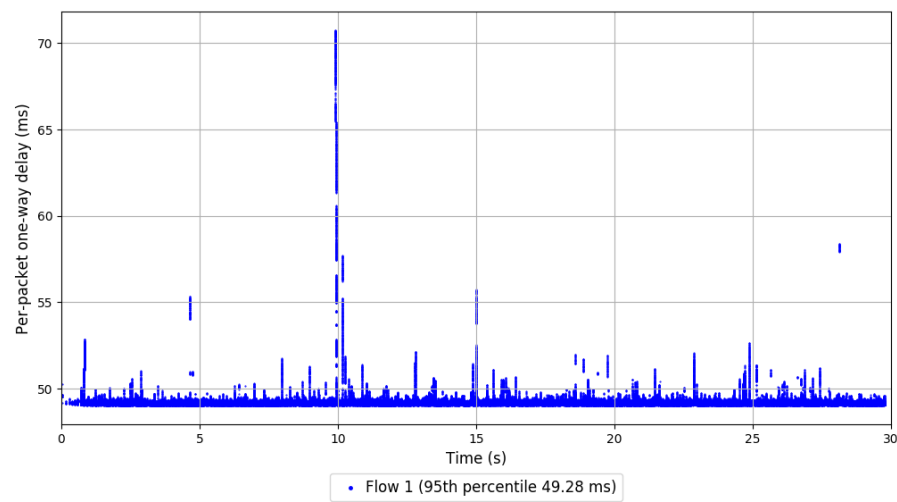
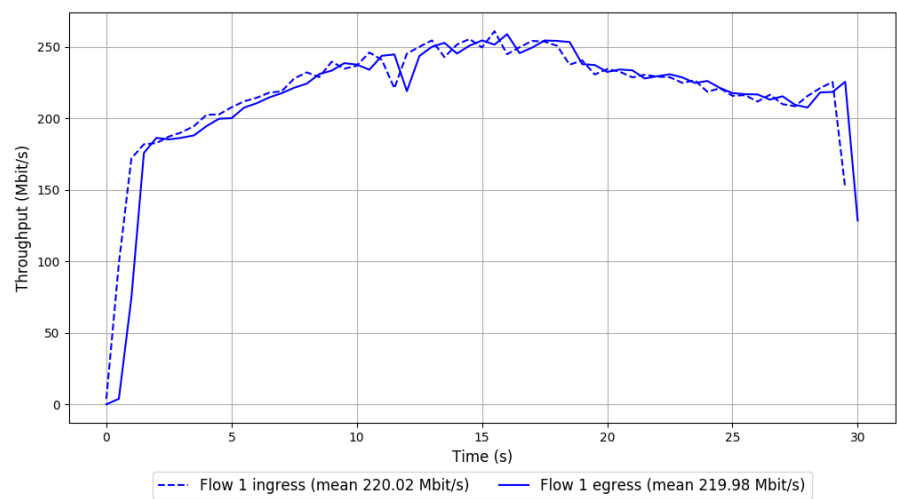
-- Flow 1:

Average throughput: 219.98 Mbit/s

95th percentile per-packet one-way delay: 49.281 ms

Loss rate: 0.35%

Run 4: Report of Indigo — Data Link

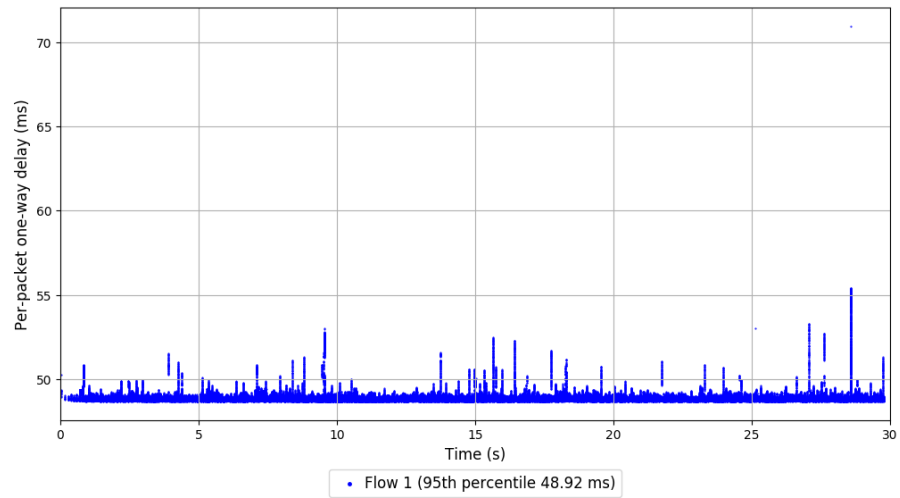
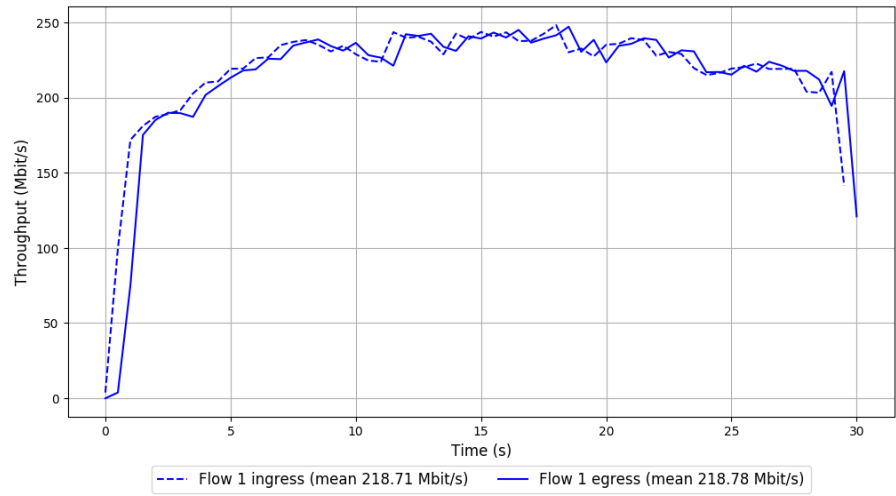


Run 5: Statistics of Indigo

Start at: 2018-05-26 10:31:52
End at: 2018-05-26 10:32:22
Local clock offset: -0.22 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.78 Mbit/s
95th percentile per-packet one-way delay: 48.917 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 218.78 Mbit/s
95th percentile per-packet one-way delay: 48.917 ms
Loss rate: 0.34%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-26 10:51:47

End at: 2018-05-26 10:52:17

Local clock offset: -0.212 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.08 Mbit/s

95th percentile per-packet one-way delay: 50.839 ms

Loss rate: 0.34%

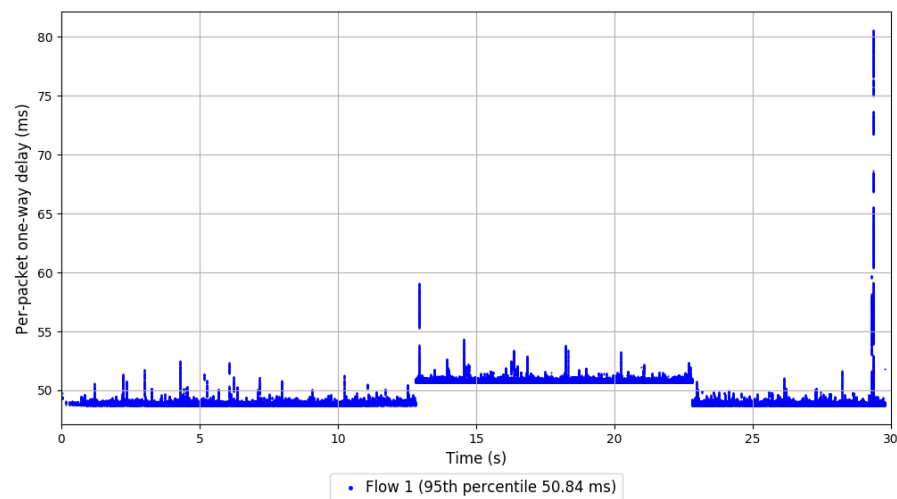
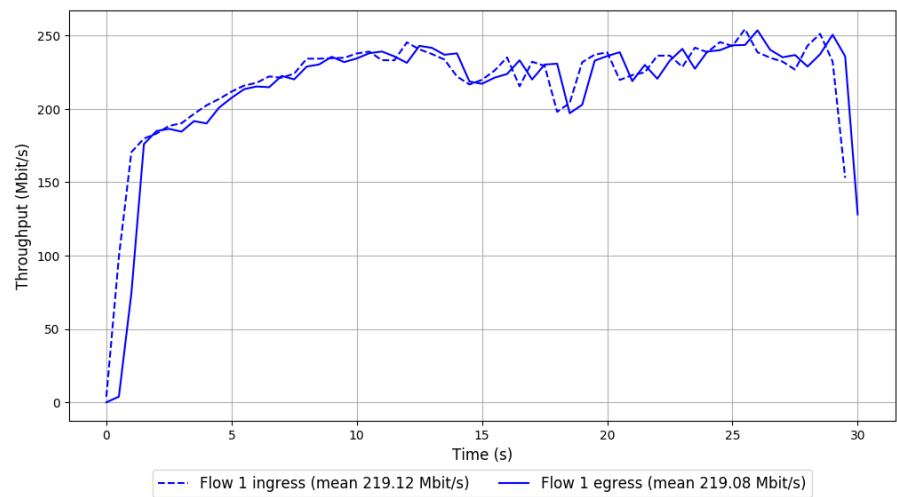
-- Flow 1:

Average throughput: 219.08 Mbit/s

95th percentile per-packet one-way delay: 50.839 ms

Loss rate: 0.34%

Run 6: Report of Indigo — Data Link

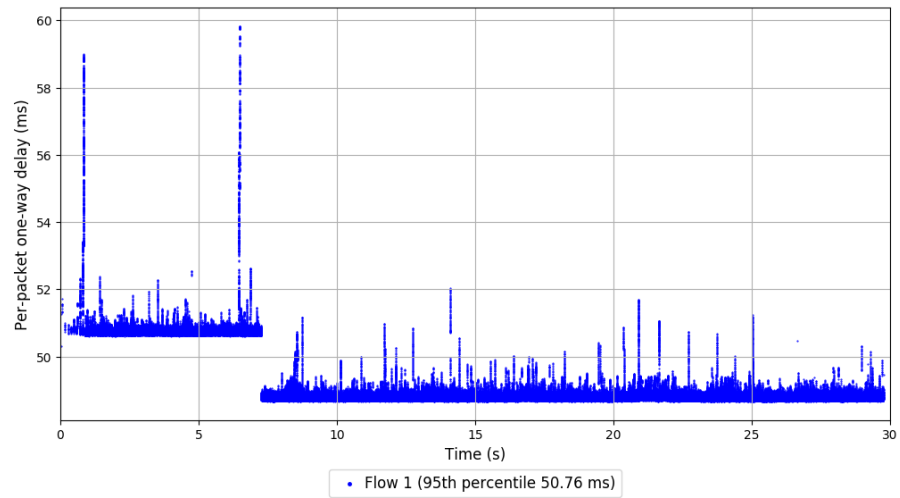
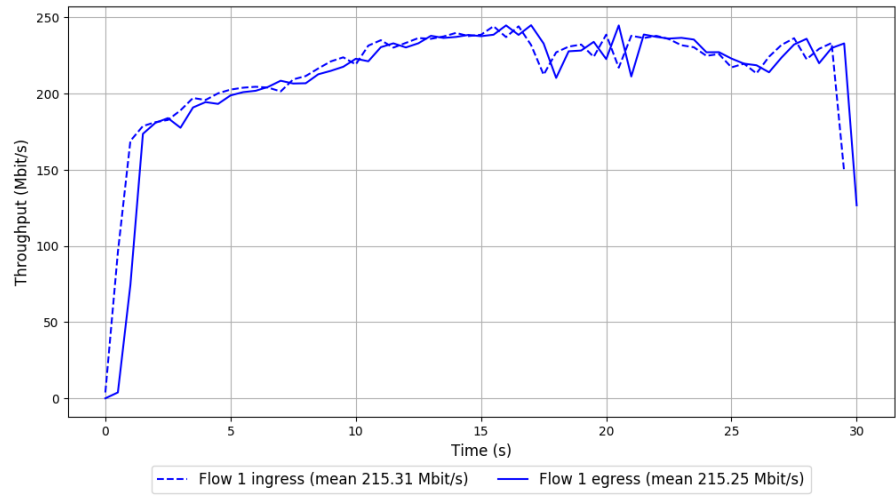


Run 7: Statistics of Indigo

Start at: 2018-05-26 11:12:03
End at: 2018-05-26 11:12:33
Local clock offset: -0.094 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.25 Mbit/s
95th percentile per-packet one-way delay: 50.763 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 215.25 Mbit/s
95th percentile per-packet one-way delay: 50.763 ms
Loss rate: 0.36%

Run 7: Report of Indigo — Data Link

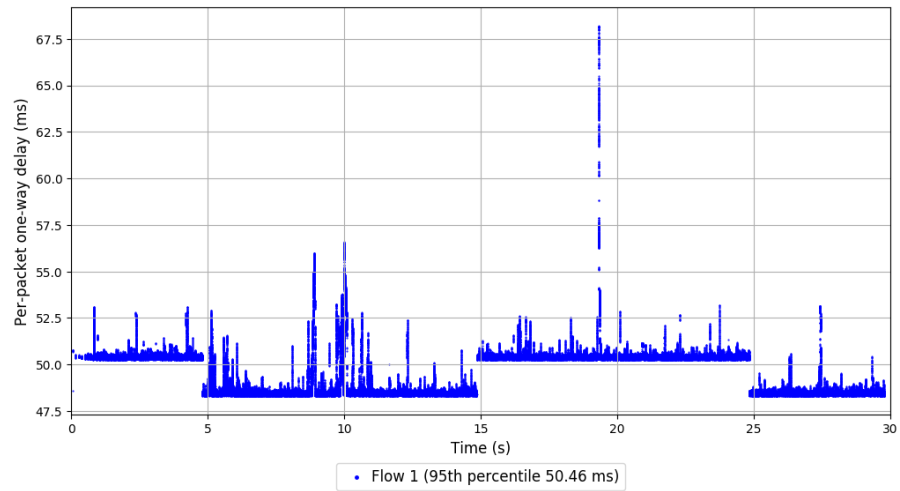
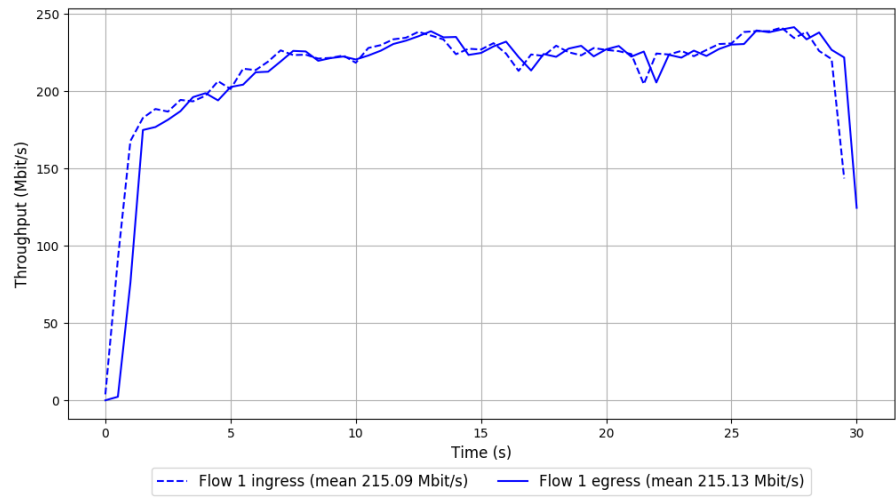


Run 8: Statistics of Indigo

Start at: 2018-05-26 11:32:25
End at: 2018-05-26 11:32:55
Local clock offset: -0.466 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.13 Mbit/s
95th percentile per-packet one-way delay: 50.463 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 215.13 Mbit/s
95th percentile per-packet one-way delay: 50.463 ms
Loss rate: 0.32%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-26 11:52:38

End at: 2018-05-26 11:53:08

Local clock offset: -0.131 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.07 Mbit/s

95th percentile per-packet one-way delay: 50.833 ms

Loss rate: 0.33%

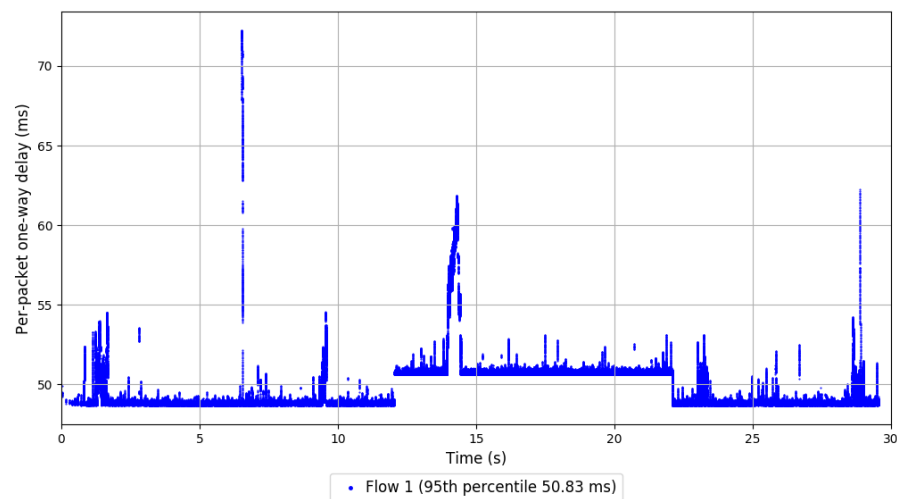
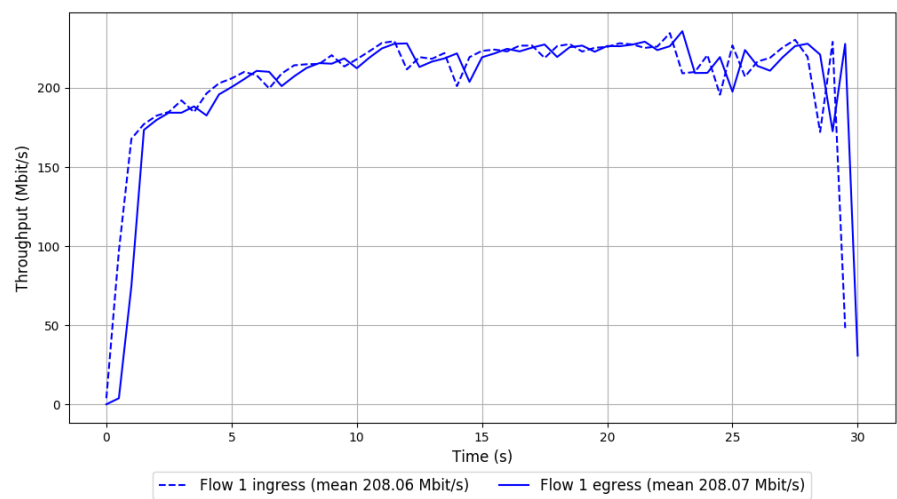
-- Flow 1:

Average throughput: 208.07 Mbit/s

95th percentile per-packet one-way delay: 50.833 ms

Loss rate: 0.33%

Run 9: Report of Indigo — Data Link

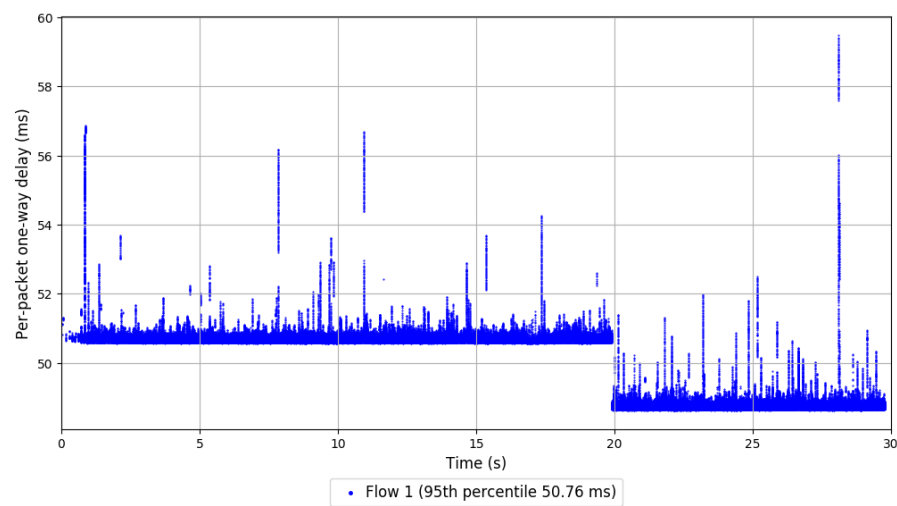
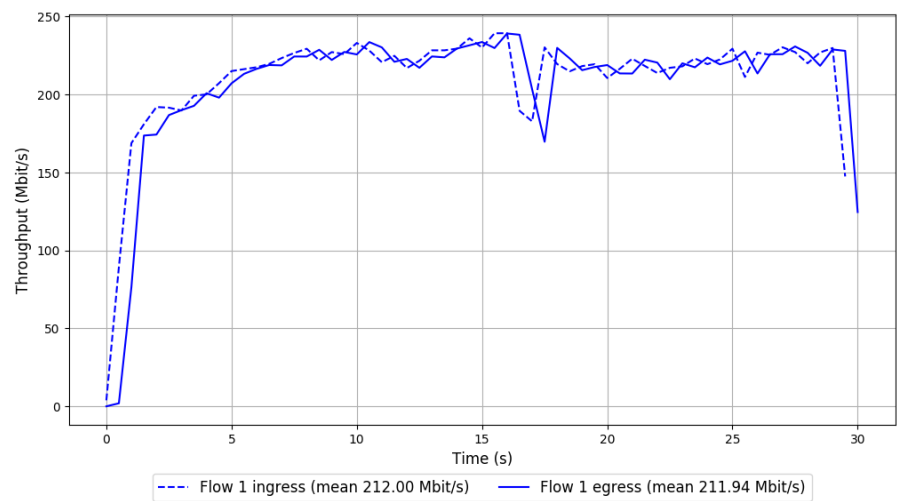


Run 10: Statistics of Indigo

Start at: 2018-05-26 12:12:50
End at: 2018-05-26 12:13:20
Local clock offset: -0.231 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.94 Mbit/s
95th percentile per-packet one-way delay: 50.757 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 211.94 Mbit/s
95th percentile per-packet one-way delay: 50.757 ms
Loss rate: 0.37%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-05-26 09:10:01

End at: 2018-05-26 09:10:31

Local clock offset: -0.354 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.79 Mbit/s

95th percentile per-packet one-way delay: 52.051 ms

Loss rate: 0.93%

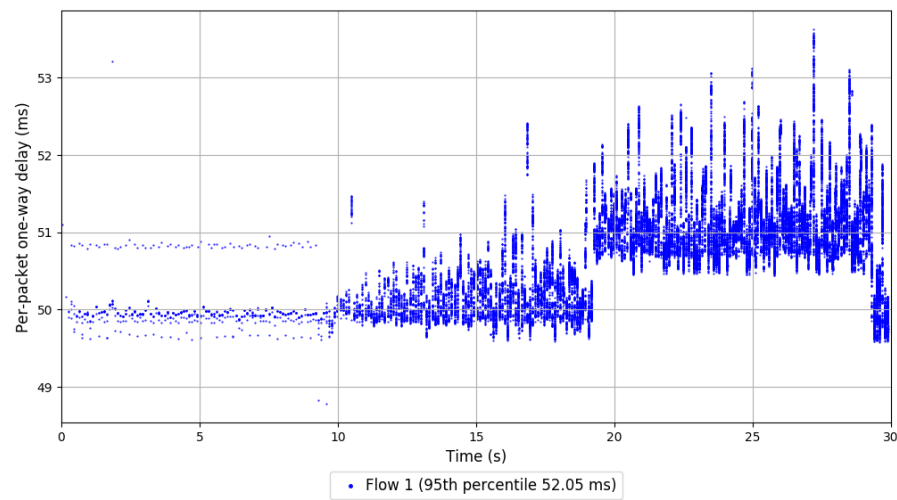
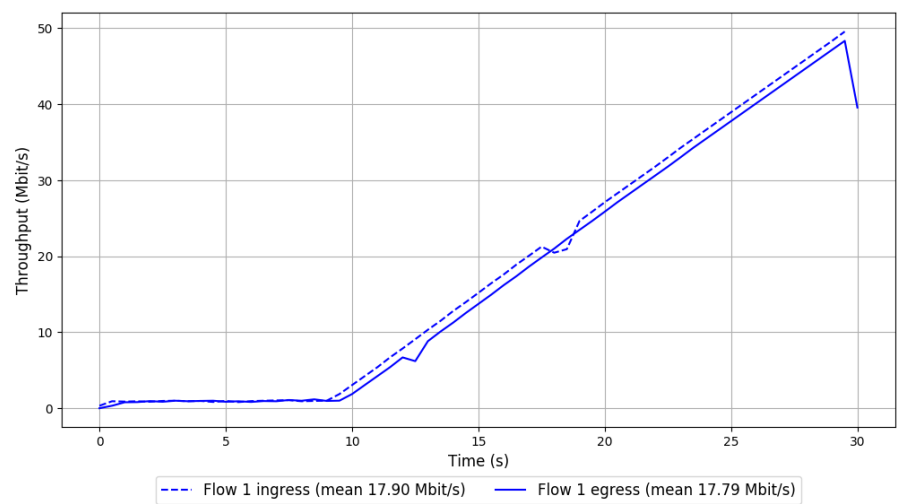
-- Flow 1:

Average throughput: 17.79 Mbit/s

95th percentile per-packet one-way delay: 52.051 ms

Loss rate: 0.93%

Run 1: Report of LEDBAT — Data Link

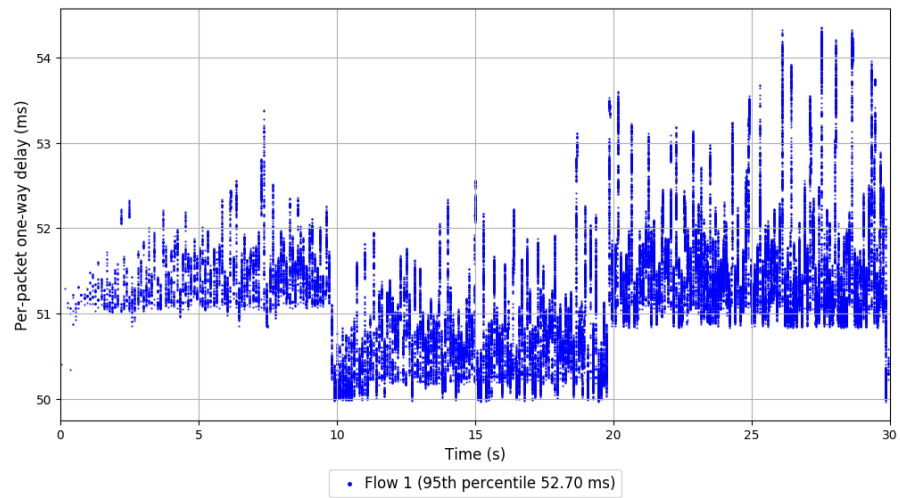
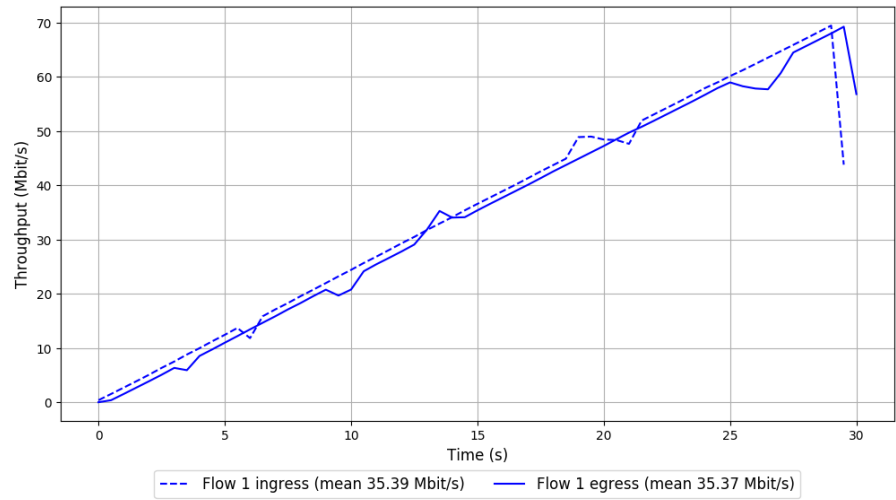


Run 2: Statistics of LEDBAT

Start at: 2018-05-26 09:30:10
End at: 2018-05-26 09:30:40
Local clock offset: 0.189 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 52.705 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 52.705 ms
Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-26 09:50:13

End at: 2018-05-26 09:50:43

Local clock offset: -0.242 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.11 Mbit/s

95th percentile per-packet one-way delay: 52.300 ms

Loss rate: 0.67%

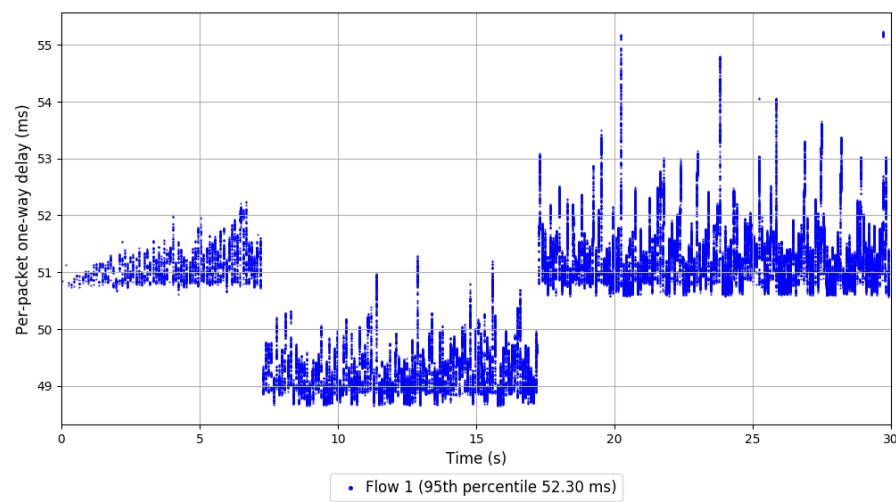
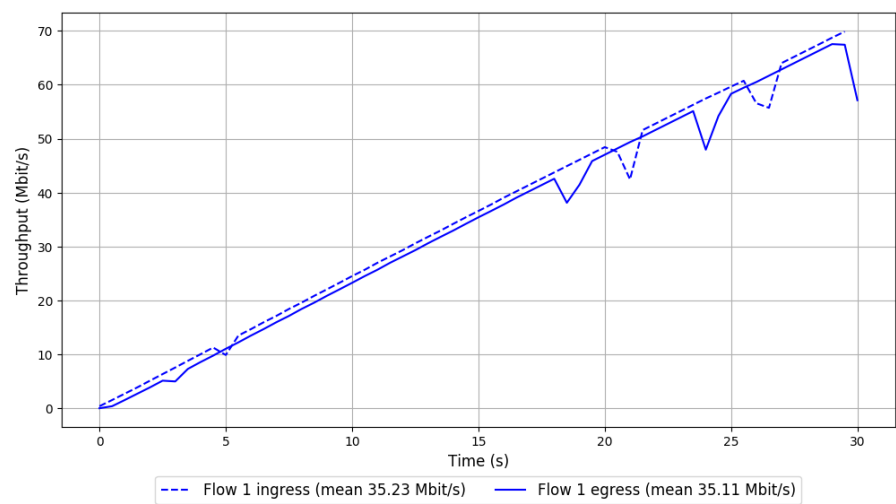
-- Flow 1:

Average throughput: 35.11 Mbit/s

95th percentile per-packet one-way delay: 52.300 ms

Loss rate: 0.67%

Run 3: Report of LEDBAT — Data Link

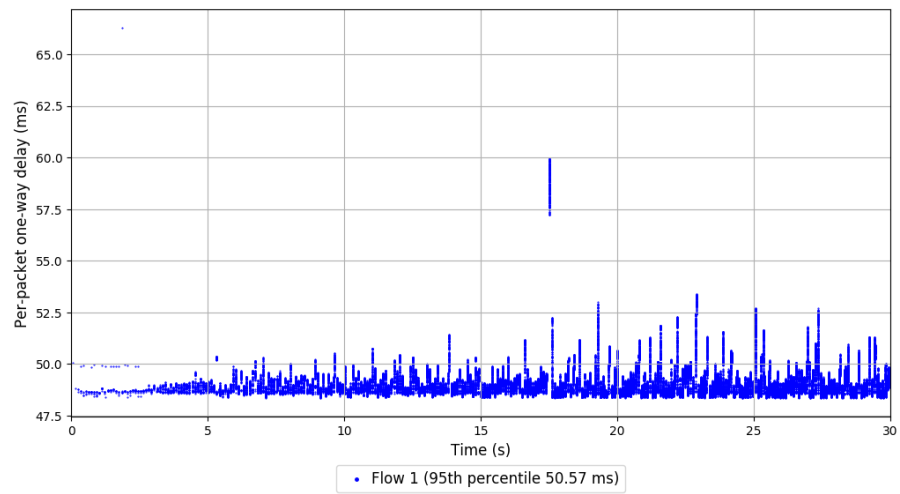
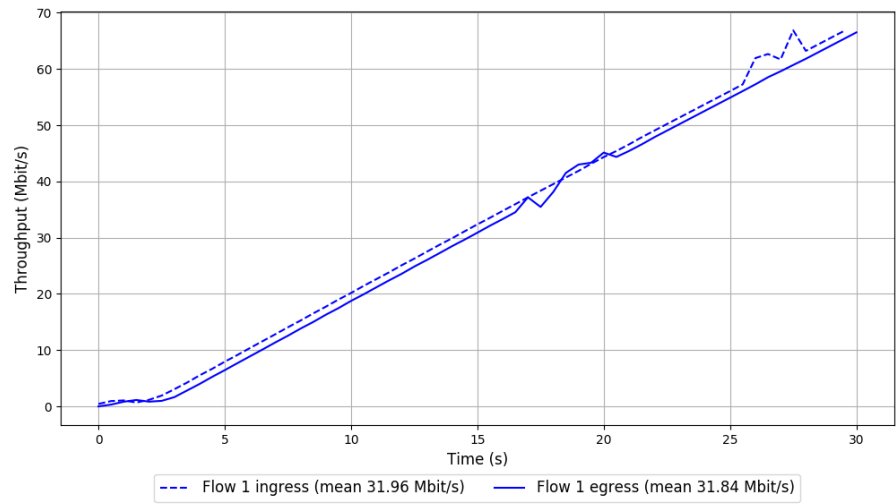


Run 4: Statistics of LEDBAT

Start at: 2018-05-26 10:10:27
End at: 2018-05-26 10:10:57
Local clock offset: -0.569 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.70%

Run 4: Report of LEDBAT — Data Link

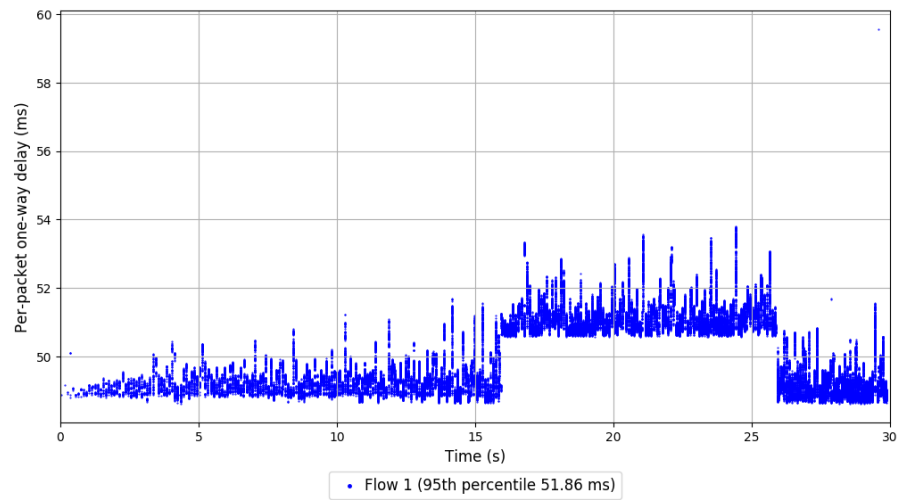
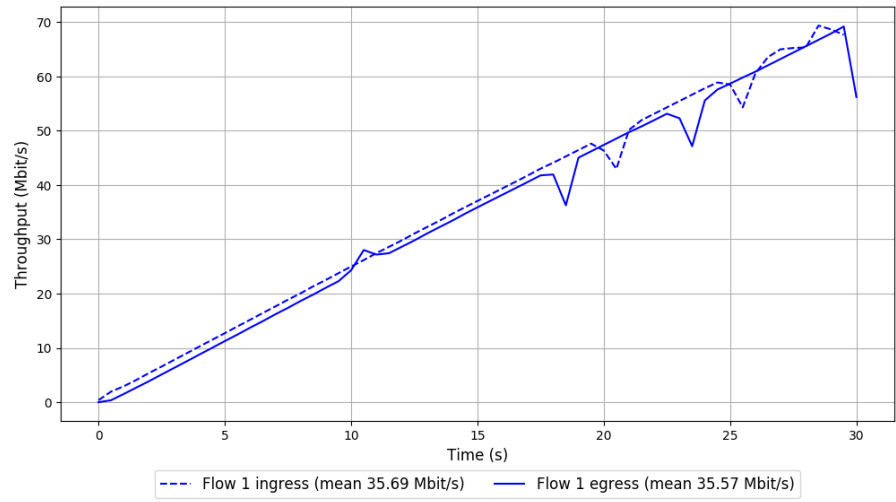


Run 5: Statistics of LEDBAT

Start at: 2018-05-26 10:30:44
End at: 2018-05-26 10:31:14
Local clock offset: -0.269 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 51.856 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 51.856 ms
Loss rate: 0.66%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-26 10:50:40

End at: 2018-05-26 10:51:10

Local clock offset: -0.607 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-26 13:17:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 49.883 ms

Loss rate: 0.66%

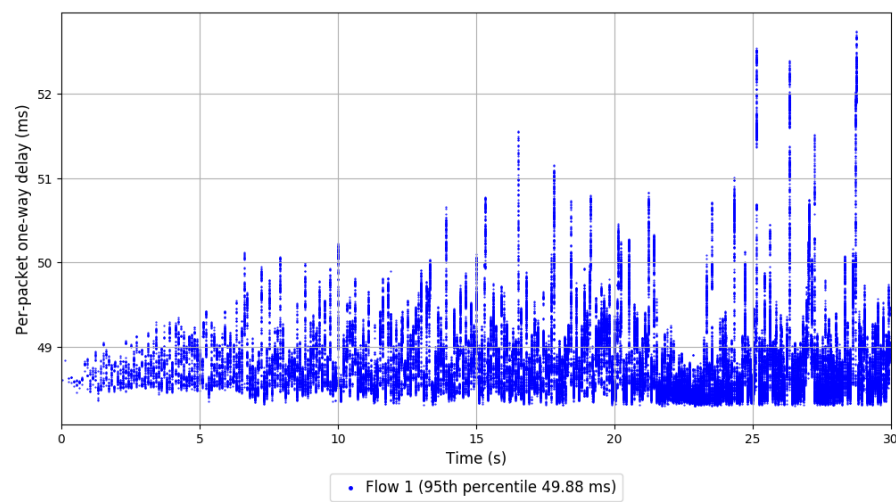
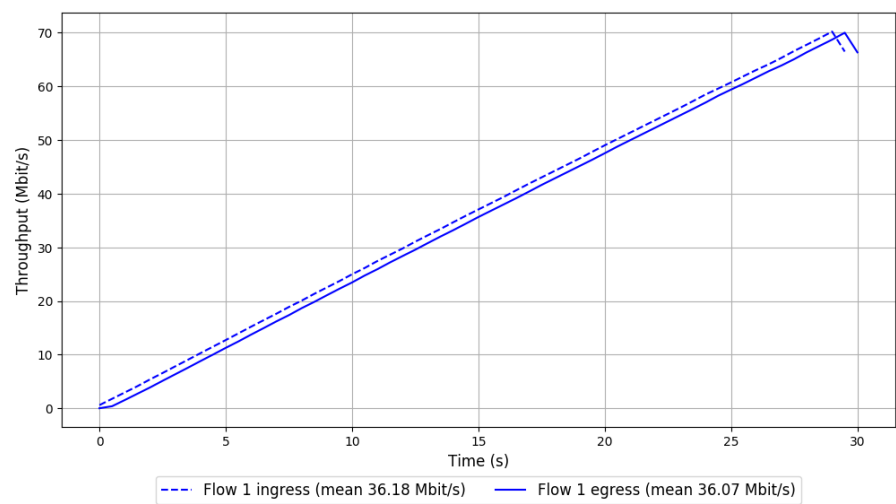
-- Flow 1:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 49.883 ms

Loss rate: 0.66%

Run 6: Report of LEDBAT — Data Link

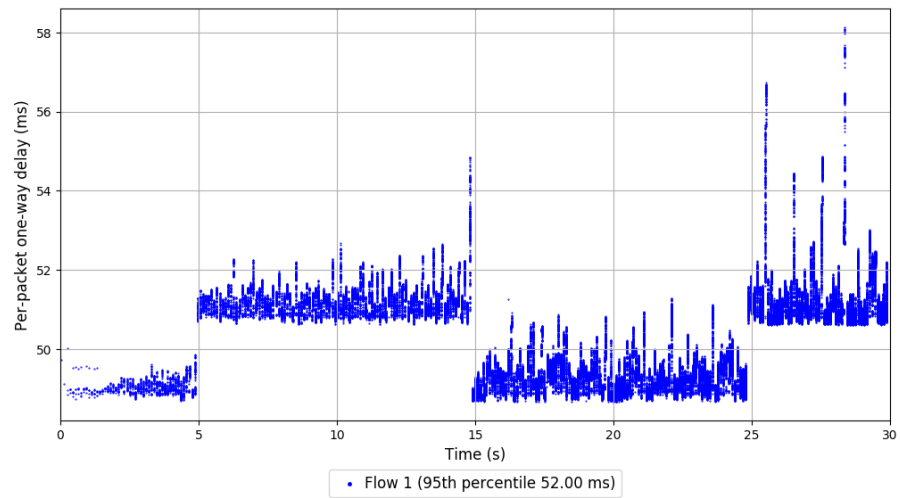
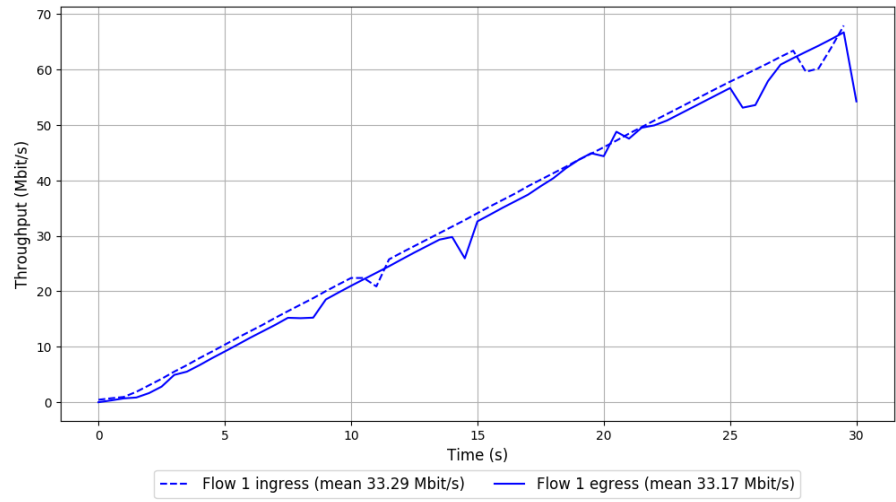


Run 7: Statistics of LEDBAT

Start at: 2018-05-26 11:10:55
End at: 2018-05-26 11:11:25
Local clock offset: -0.139 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 52.000 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 52.000 ms
Loss rate: 0.69%

Run 7: Report of LEDBAT — Data Link

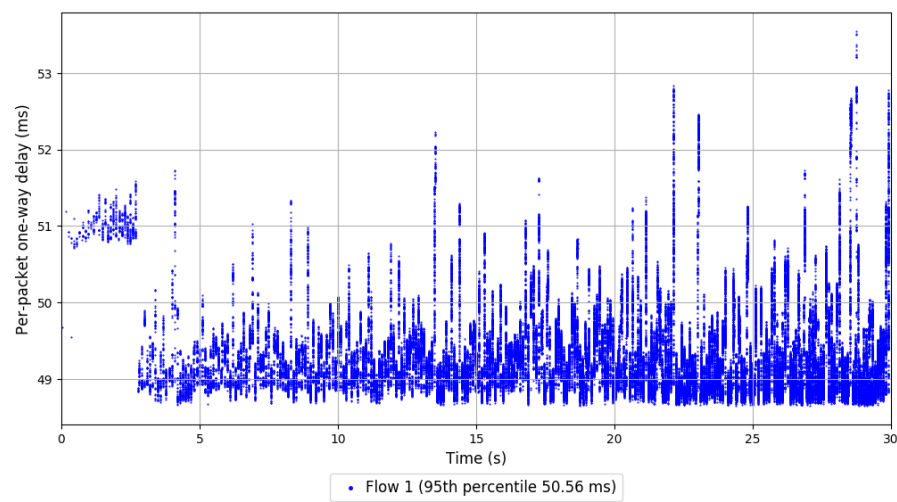
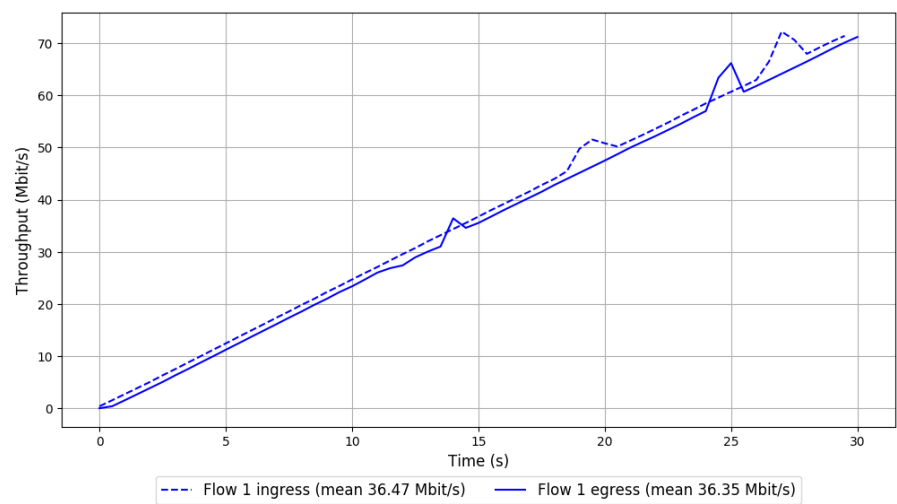


Run 8: Statistics of LEDBAT

Start at: 2018-05-26 11:31:18
End at: 2018-05-26 11:31:48
Local clock offset: -0.106 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 50.559 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 50.559 ms
Loss rate: 0.66%

Run 8: Report of LEDBAT — Data Link

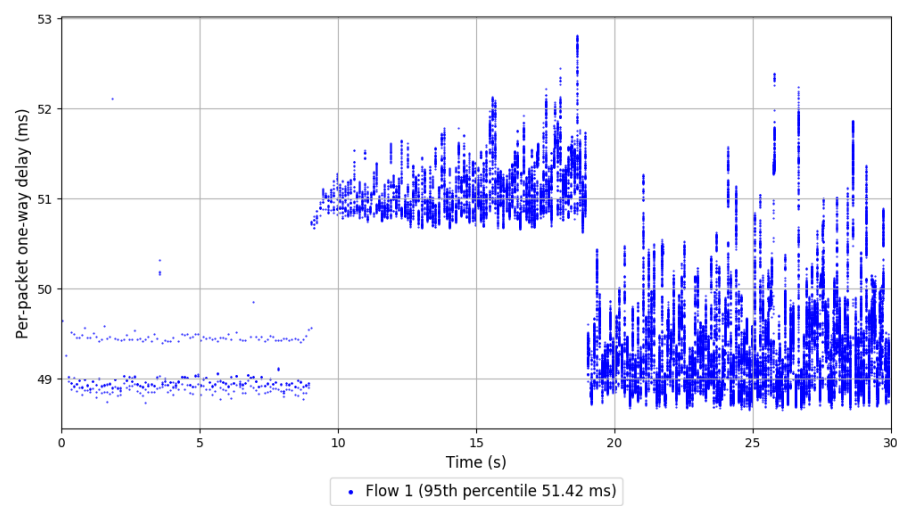
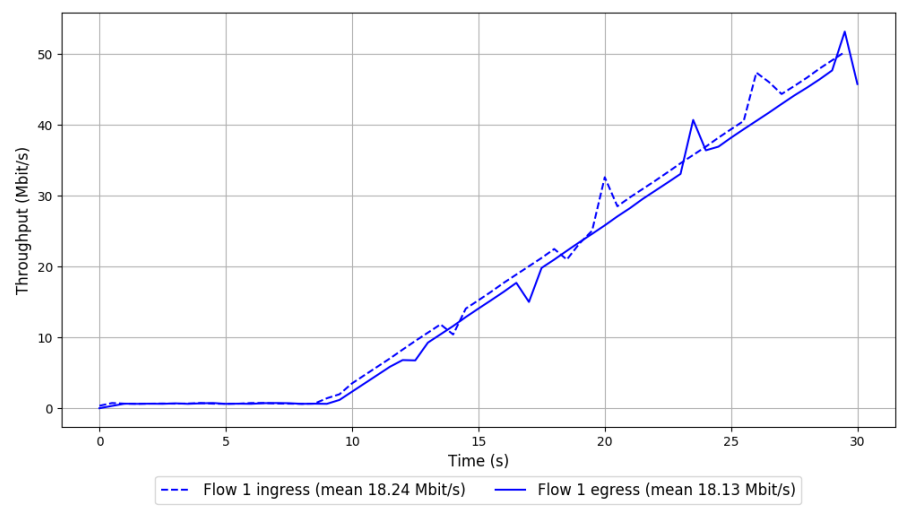


Run 9: Statistics of LEDBAT

Start at: 2018-05-26 11:51:31
End at: 2018-05-26 11:52:01
Local clock offset: -0.168 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 51.422 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 51.422 ms
Loss rate: 0.93%

Run 9: Report of LEDBAT — Data Link

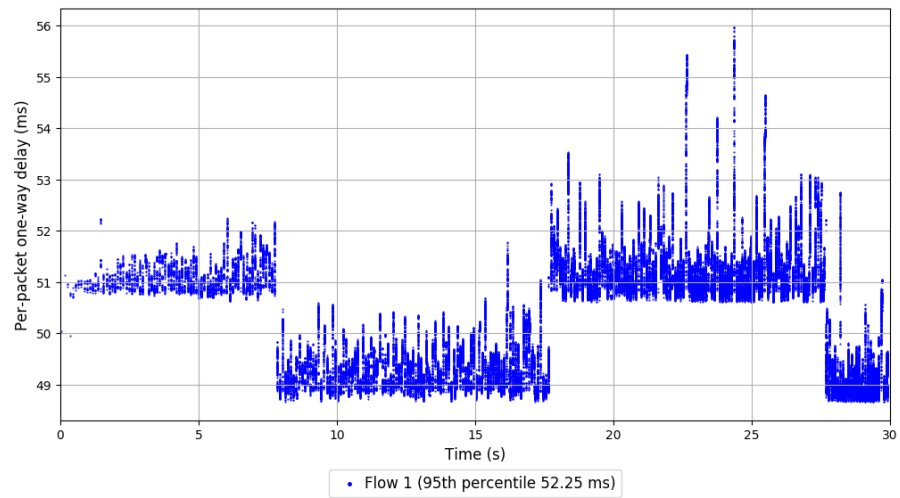
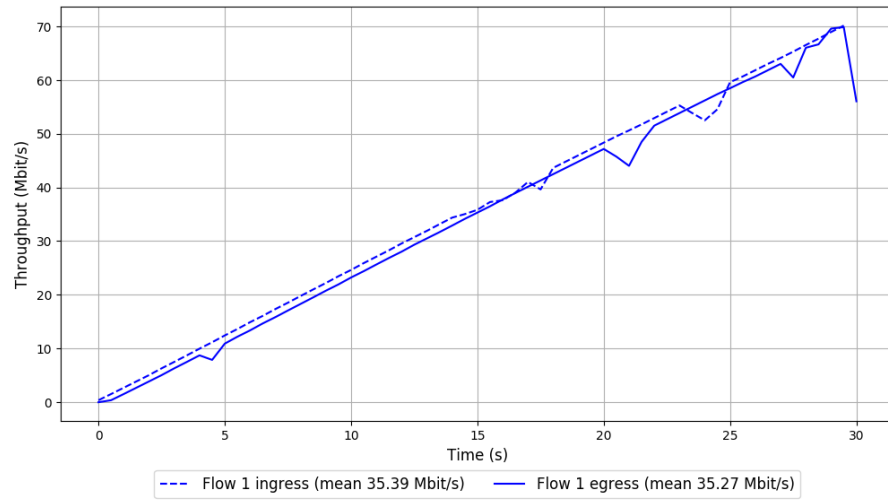


Run 10: Statistics of LEDBAT

Start at: 2018-05-26 12:11:43
End at: 2018-05-26 12:12:13
Local clock offset: -0.172 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-26 13:17:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 52.250 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 52.250 ms
Loss rate: 0.67%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-26 09:17:15

End at: 2018-05-26 09:17:45

Local clock offset: -0.205 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-26 13:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.31 Mbit/s

95th percentile per-packet one-way delay: 142.383 ms

Loss rate: 0.33%

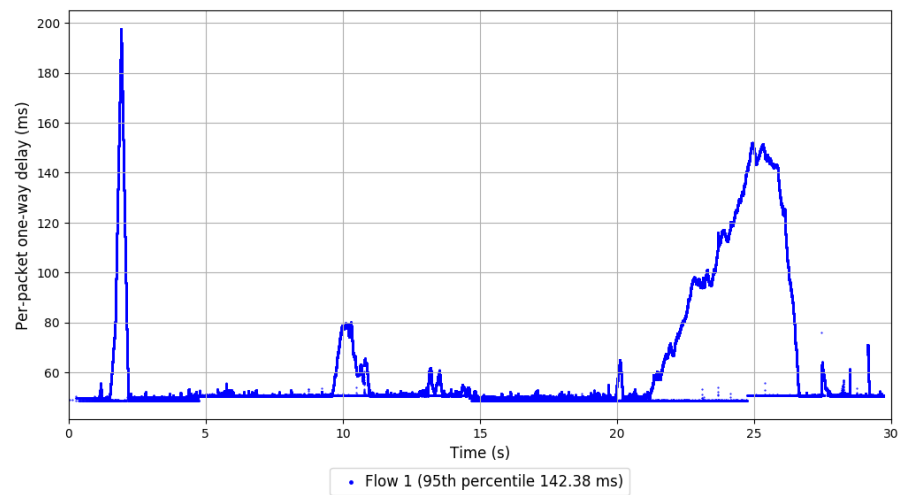
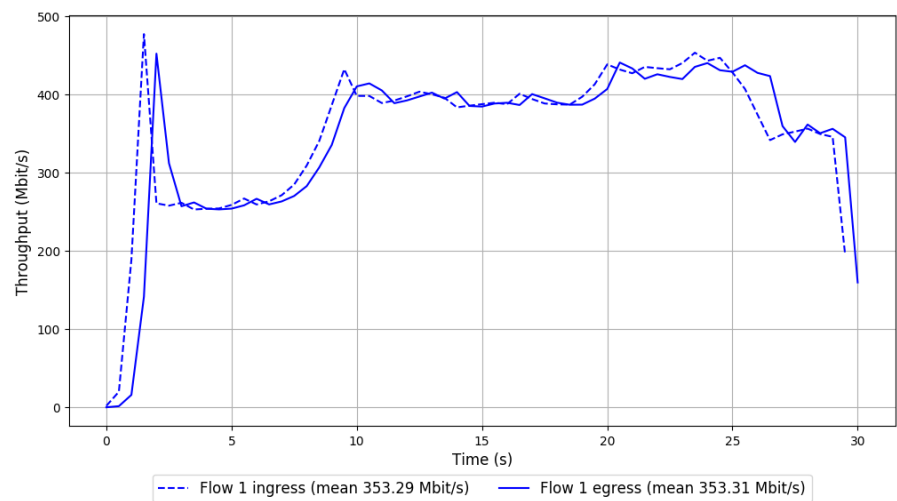
-- Flow 1:

Average throughput: 353.31 Mbit/s

95th percentile per-packet one-way delay: 142.383 ms

Loss rate: 0.33%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-26 09:37:24

End at: 2018-05-26 09:37:54

Local clock offset: -0.159 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-26 13:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.11 Mbit/s

95th percentile per-packet one-way delay: 77.448 ms

Loss rate: 0.37%

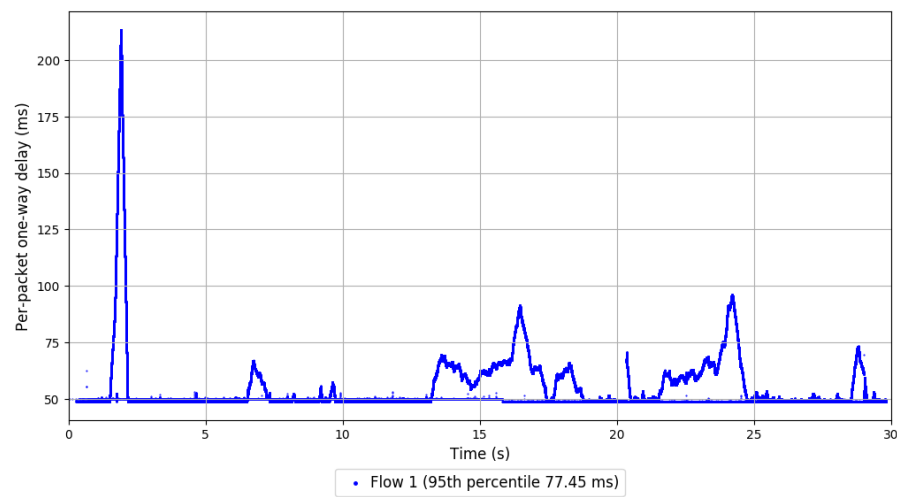
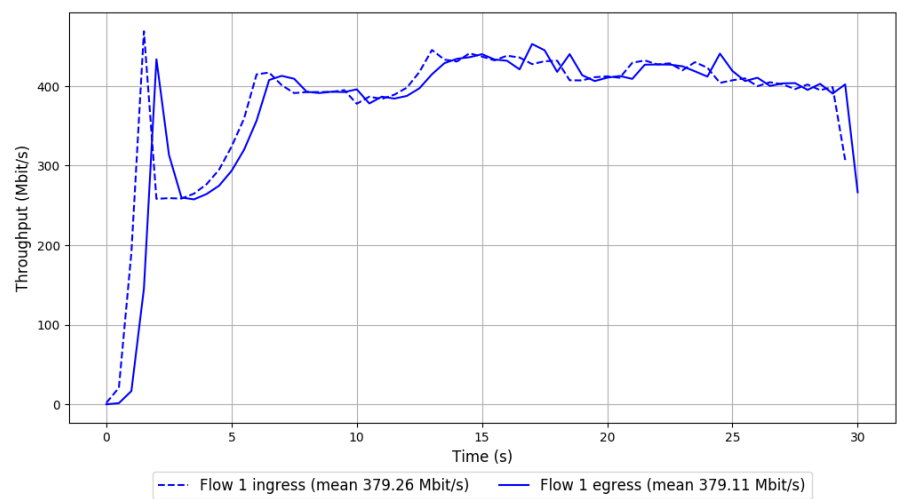
-- Flow 1:

Average throughput: 379.11 Mbit/s

95th percentile per-packet one-way delay: 77.448 ms

Loss rate: 0.37%

Run 2: Report of PCC-Allegro — Data Link

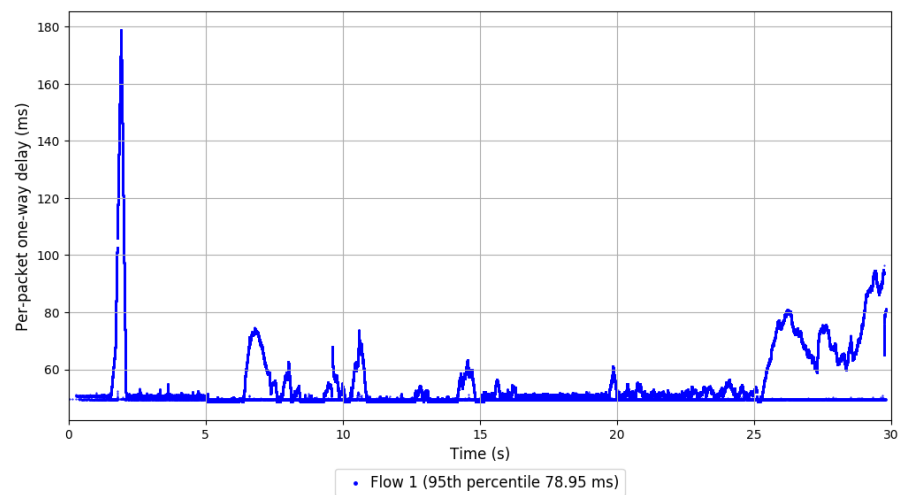
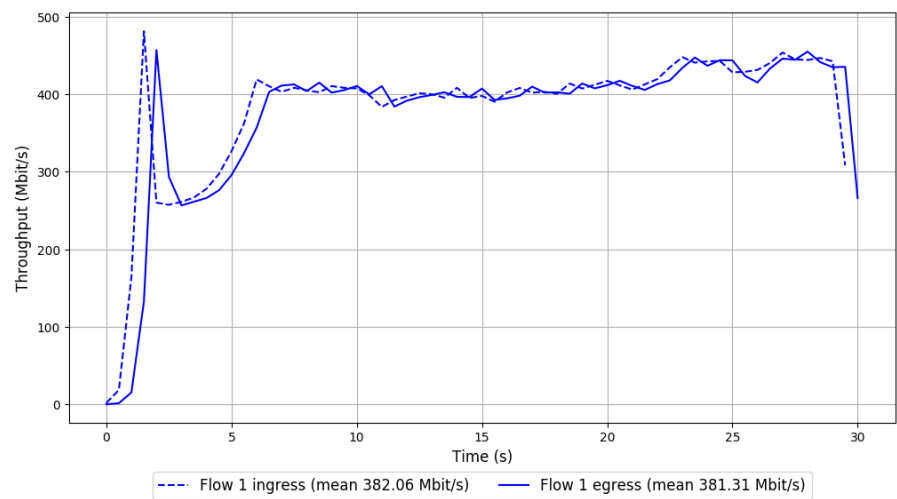


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-26 09:57:35
End at: 2018-05-26 09:58:05
Local clock offset: -0.269 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-05-26 13:18:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 381.31 Mbit/s
95th percentile per-packet one-way delay: 78.948 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 381.31 Mbit/s
95th percentile per-packet one-way delay: 78.948 ms
Loss rate: 0.53%

Run 3: Report of PCC-Allegro — Data Link

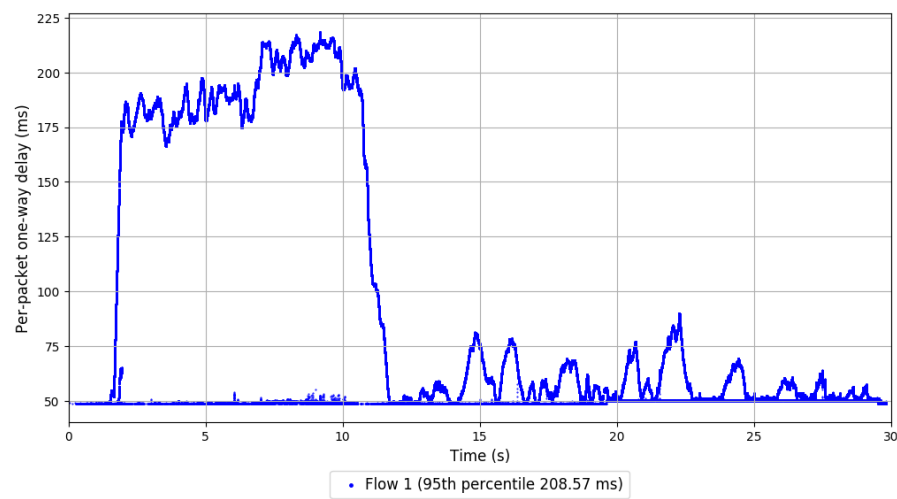
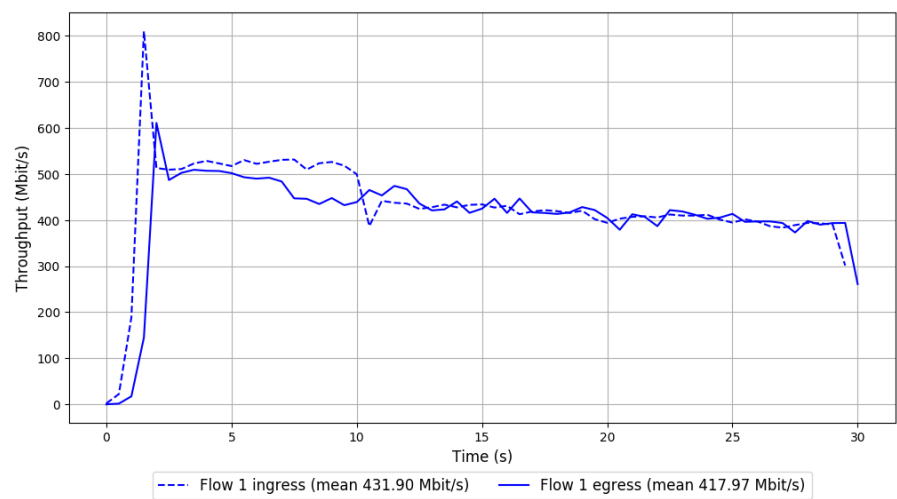


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-26 10:17:51
End at: 2018-05-26 10:18:21
Local clock offset: -0.194 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-26 13:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 417.97 Mbit/s
95th percentile per-packet one-way delay: 208.570 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 417.97 Mbit/s
95th percentile per-packet one-way delay: 208.570 ms
Loss rate: 3.55%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-26 10:37:58

End at: 2018-05-26 10:38:28

Local clock offset: -0.211 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-26 13:19:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.94 Mbit/s

95th percentile per-packet one-way delay: 204.401 ms

Loss rate: 0.60%

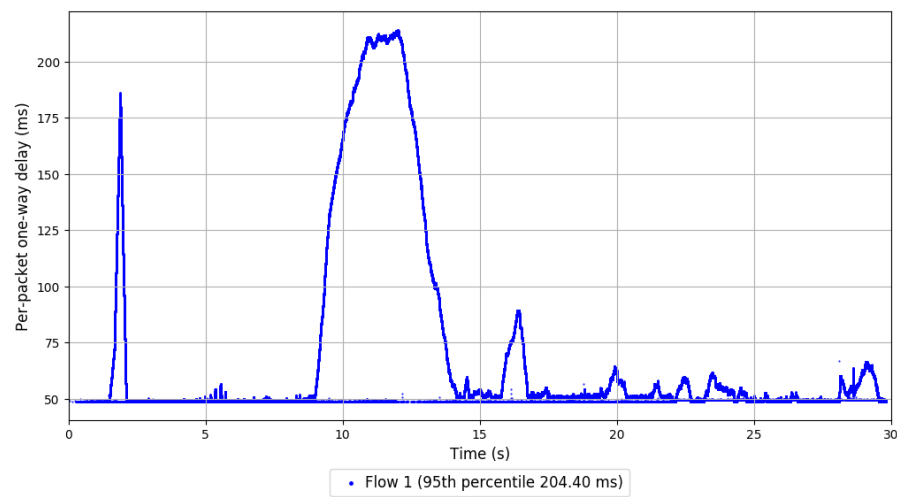
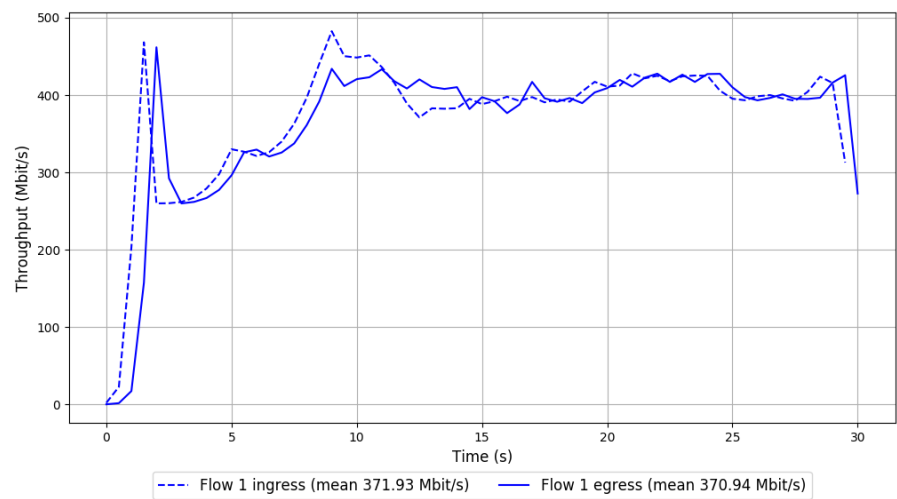
-- Flow 1:

Average throughput: 370.94 Mbit/s

95th percentile per-packet one-way delay: 204.401 ms

Loss rate: 0.60%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-26 10:58:03

End at: 2018-05-26 10:58:33

Local clock offset: -0.181 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-26 13:19:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.60 Mbit/s

95th percentile per-packet one-way delay: 67.111 ms

Loss rate: 0.39%

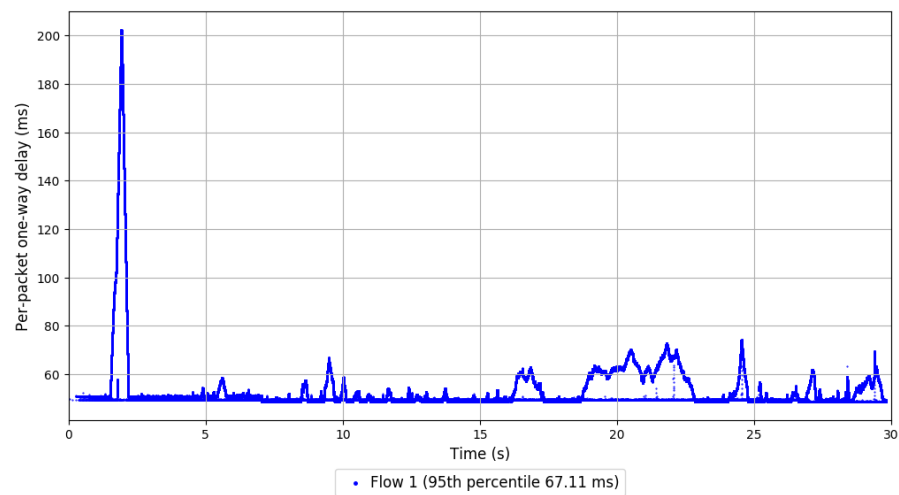
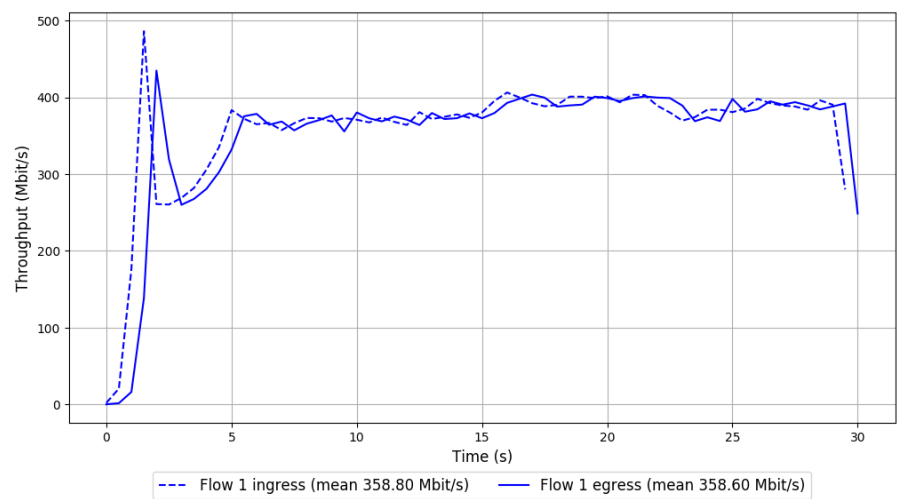
-- Flow 1:

Average throughput: 358.60 Mbit/s

95th percentile per-packet one-way delay: 67.111 ms

Loss rate: 0.39%

Run 6: Report of PCC-Allegro — Data Link

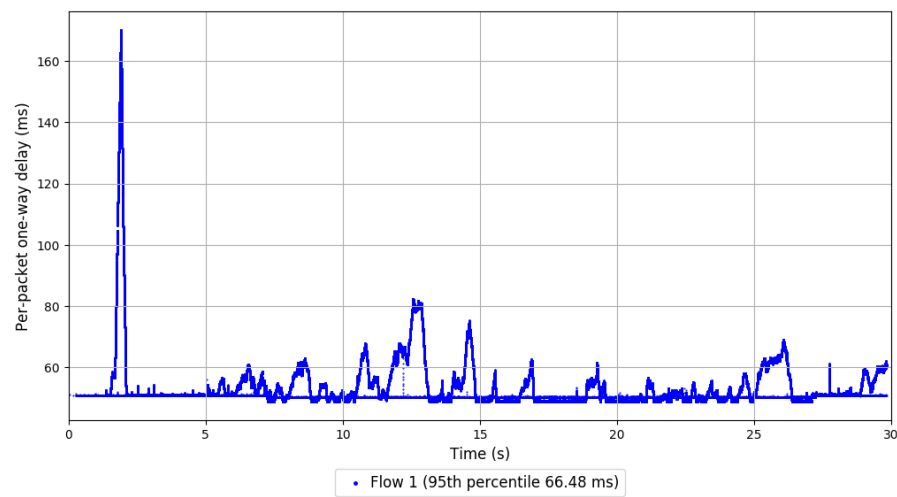
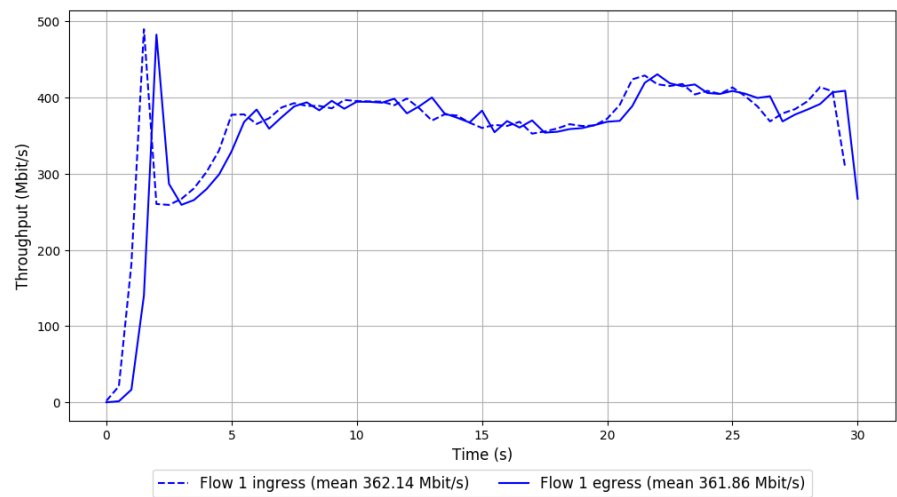


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-26 11:18:13
End at: 2018-05-26 11:18:43
Local clock offset: -0.051 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-26 13:22:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.86 Mbit/s
95th percentile per-packet one-way delay: 66.483 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 361.86 Mbit/s
95th percentile per-packet one-way delay: 66.483 ms
Loss rate: 0.41%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-26 11:38:39

End at: 2018-05-26 11:39:09

Local clock offset: -0.08 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-26 13:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.13 Mbit/s

95th percentile per-packet one-way delay: 90.414 ms

Loss rate: 0.47%

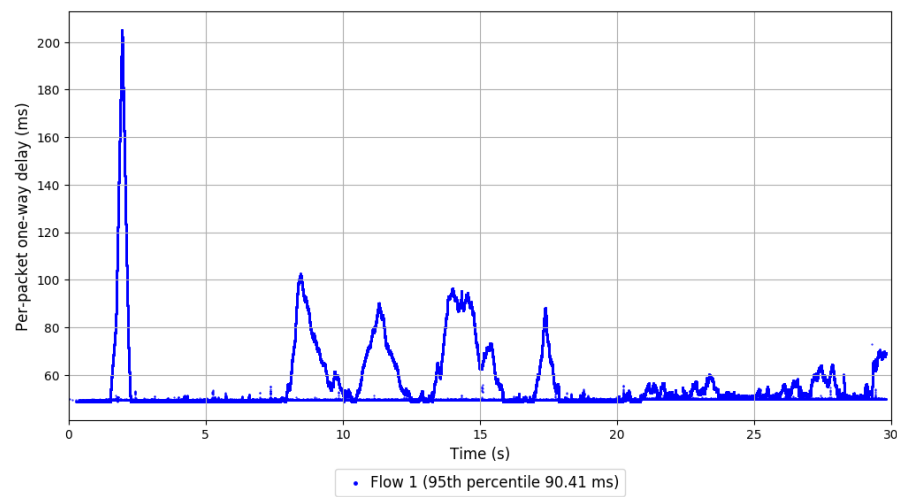
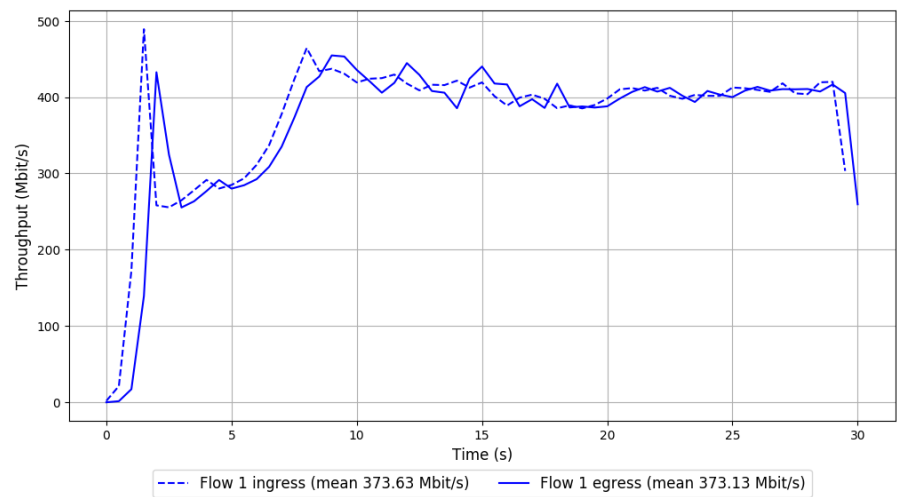
-- Flow 1:

Average throughput: 373.13 Mbit/s

95th percentile per-packet one-way delay: 90.414 ms

Loss rate: 0.47%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-26 11:58:55

End at: 2018-05-26 11:59:25

Local clock offset: -0.194 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-26 13:23:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.56 Mbit/s

95th percentile per-packet one-way delay: 71.517 ms

Loss rate: 0.39%

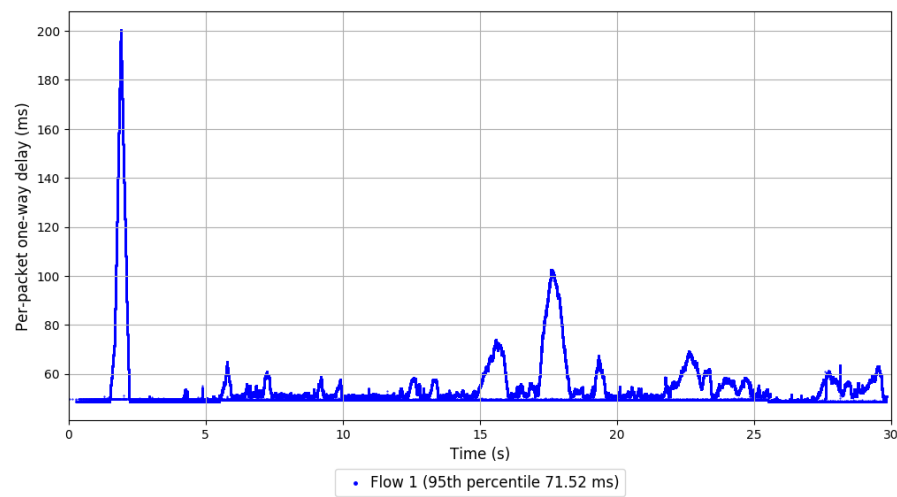
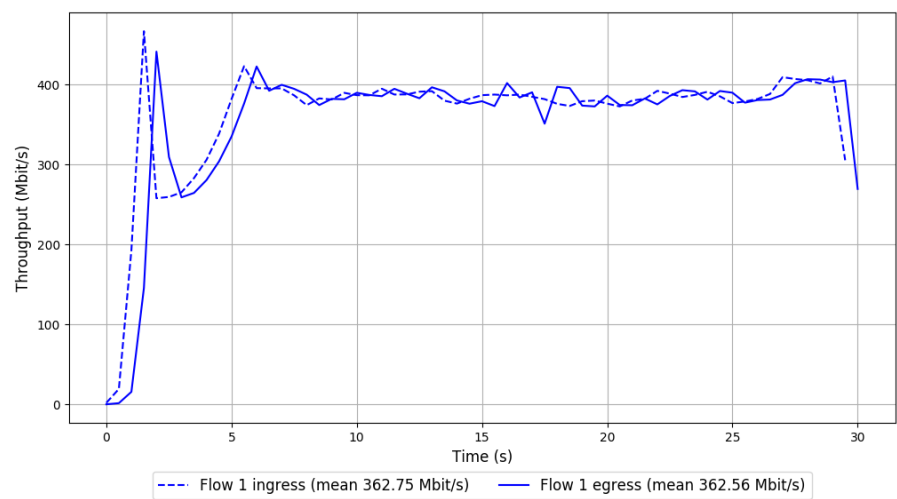
-- Flow 1:

Average throughput: 362.56 Mbit/s

95th percentile per-packet one-way delay: 71.517 ms

Loss rate: 0.39%

Run 9: Report of PCC-Allegro — Data Link

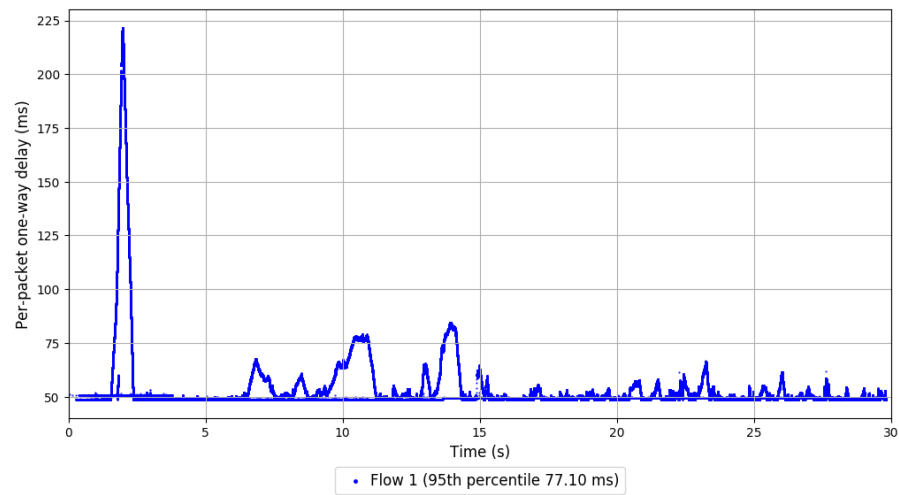
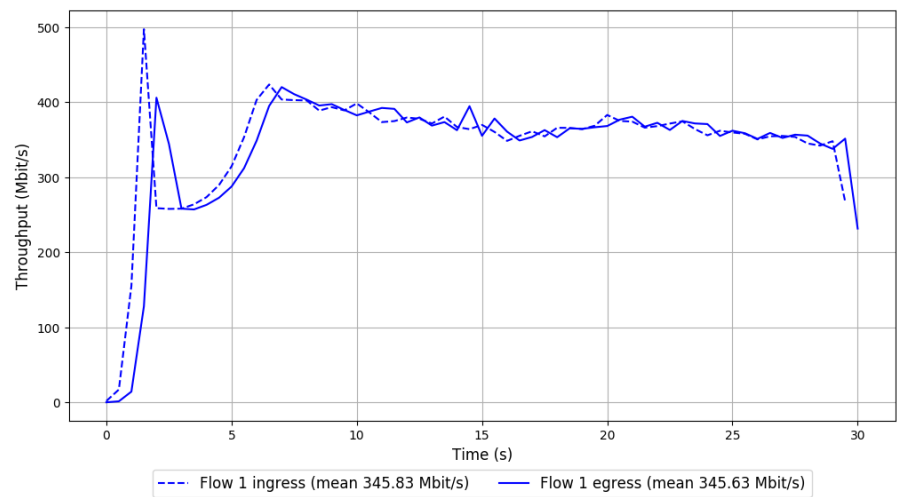


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-26 12:19:07
End at: 2018-05-26 12:19:37
Local clock offset: -0.209 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-26 13:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.63 Mbit/s
95th percentile per-packet one-way delay: 77.098 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 345.63 Mbit/s
95th percentile per-packet one-way delay: 77.098 ms
Loss rate: 0.39%

Run 10: Report of PCC-Allegro — Data Link

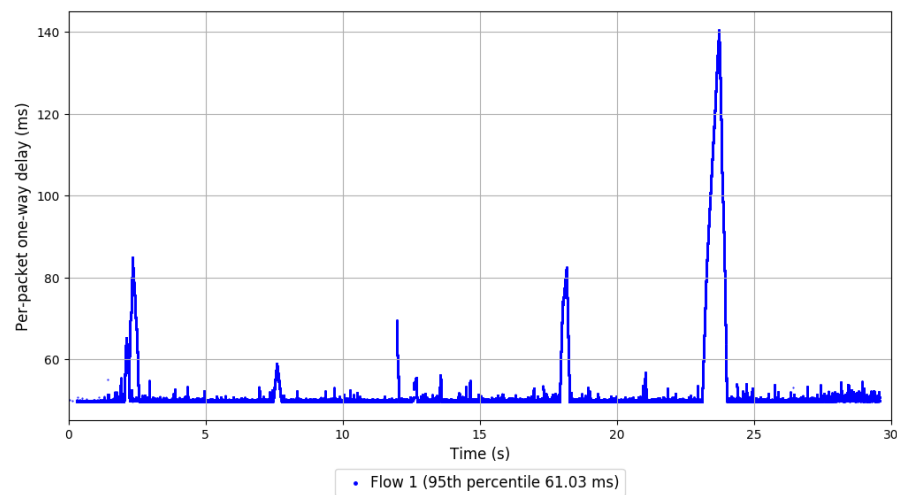
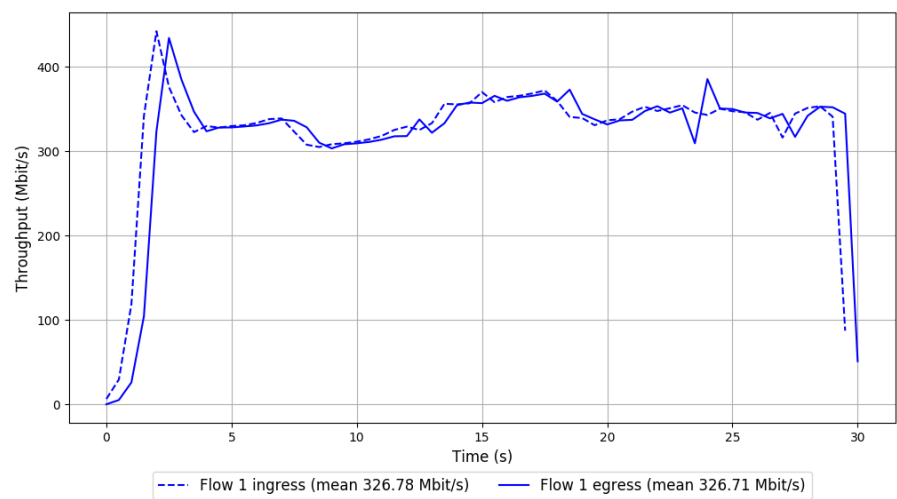


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-26 09:18:32
End at: 2018-05-26 09:19:02
Local clock offset: -0.196 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-05-26 13:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.71 Mbit/s
95th percentile per-packet one-way delay: 61.030 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 326.71 Mbit/s
95th percentile per-packet one-way delay: 61.030 ms
Loss rate: 0.36%
```

Run 1: Report of PCC-Expr — Data Link

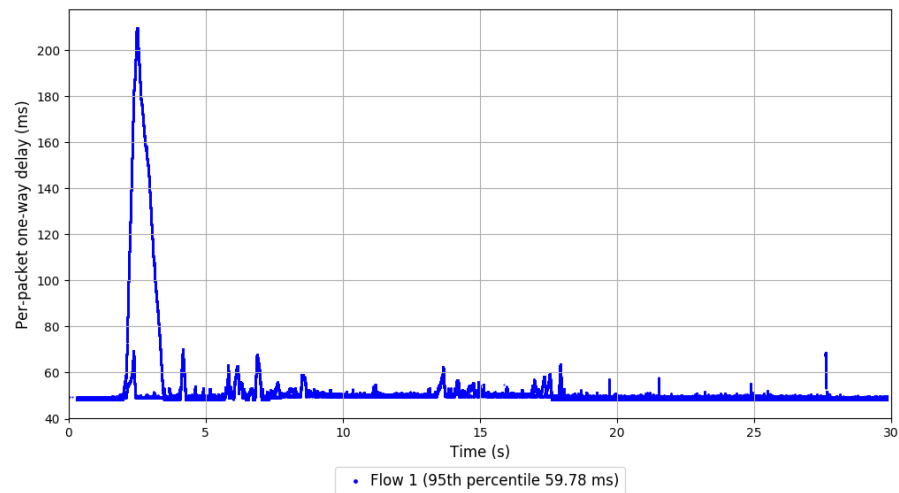
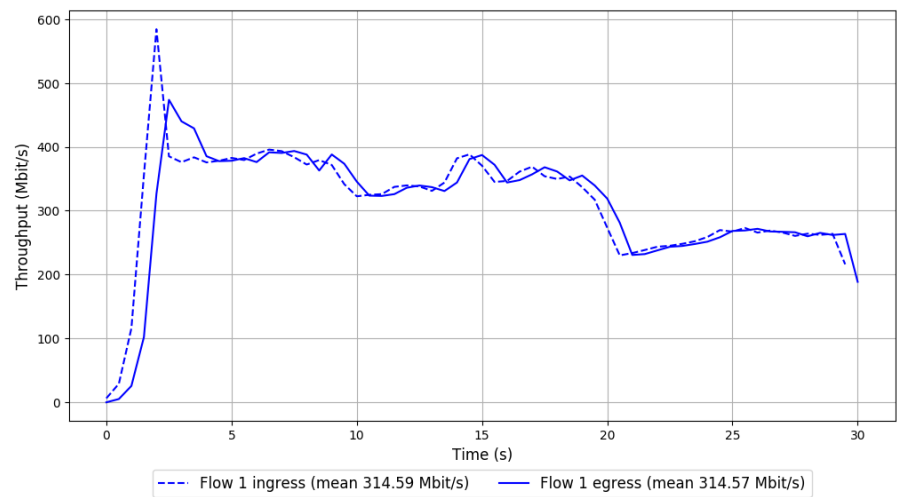


Run 2: Statistics of PCC-Expr

Start at: 2018-05-26 09:38:43
End at: 2018-05-26 09:39:13
Local clock offset: -0.583 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-26 13:27:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.57 Mbit/s
95th percentile per-packet one-way delay: 59.778 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 314.57 Mbit/s
95th percentile per-packet one-way delay: 59.778 ms
Loss rate: 0.34%

Run 2: Report of PCC-Expr — Data Link

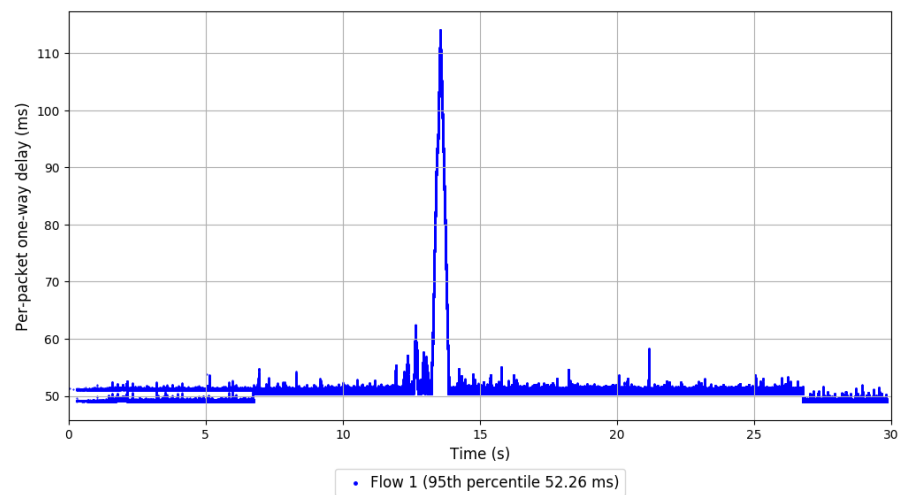
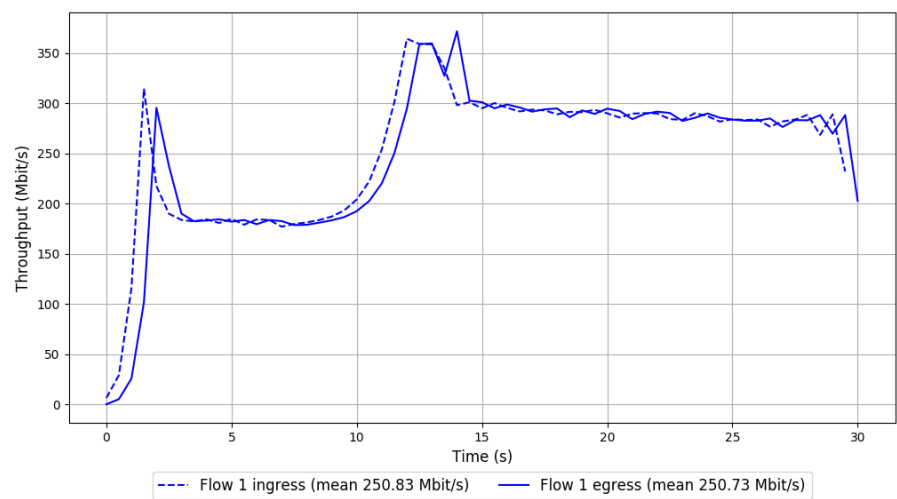


Run 3: Statistics of PCC-Expr

Start at: 2018-05-26 09:58:53
End at: 2018-05-26 09:59:23
Local clock offset: 0.147 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-26 13:27:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.73 Mbit/s
95th percentile per-packet one-way delay: 52.260 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 250.73 Mbit/s
95th percentile per-packet one-way delay: 52.260 ms
Loss rate: 0.38%

Run 3: Report of PCC-Expr — Data Link

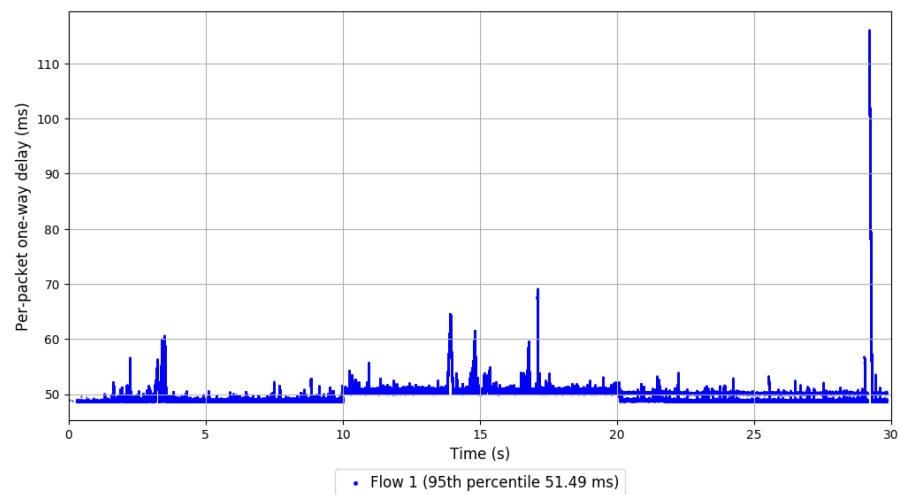
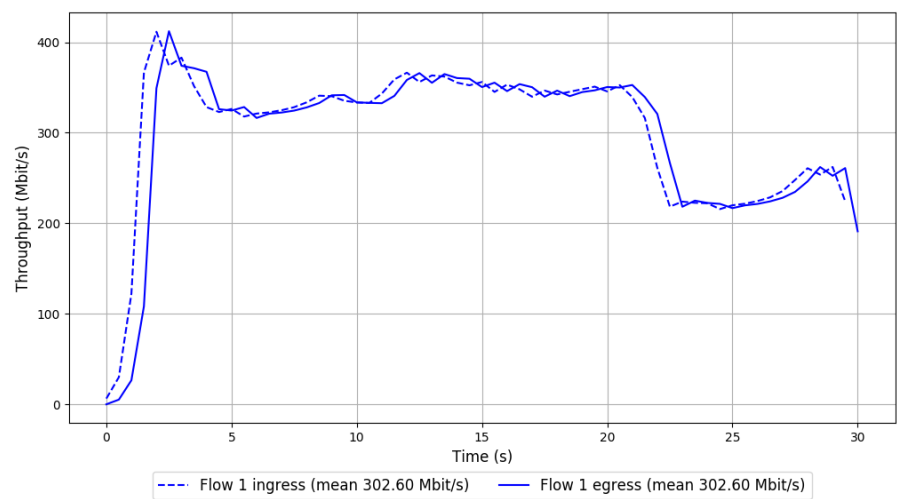


Run 4: Statistics of PCC-Expr

Start at: 2018-05-26 10:19:10
End at: 2018-05-26 10:19:40
Local clock offset: -0.251 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-26 13:28:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.60 Mbit/s
95th percentile per-packet one-way delay: 51.488 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 302.60 Mbit/s
95th percentile per-packet one-way delay: 51.488 ms
Loss rate: 0.33%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-26 10:39:16

End at: 2018-05-26 10:39:46

Local clock offset: -0.225 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-05-26 13:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.67 Mbit/s

95th percentile per-packet one-way delay: 283.815 ms

Loss rate: 6.77%

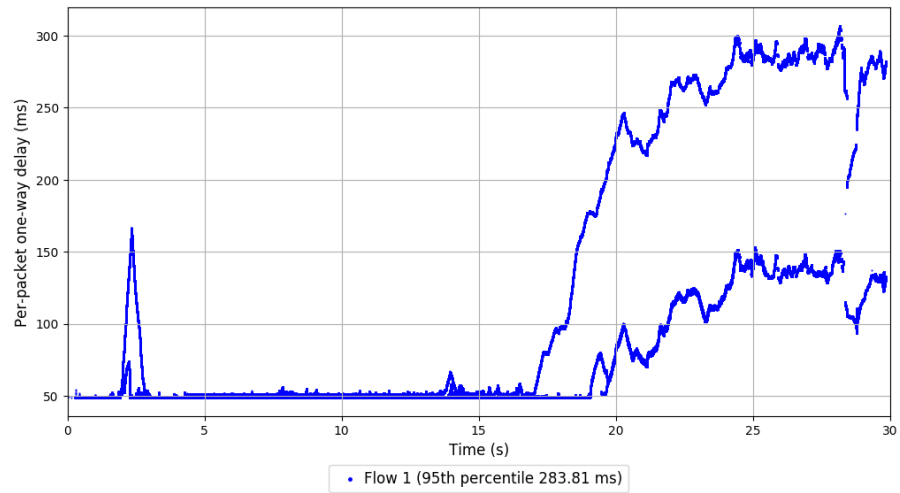
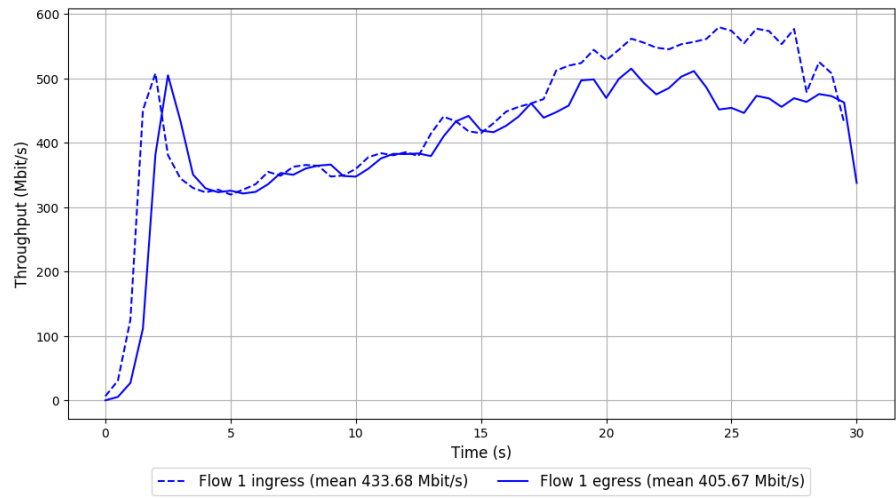
-- Flow 1:

Average throughput: 405.67 Mbit/s

95th percentile per-packet one-way delay: 283.815 ms

Loss rate: 6.77%

Run 5: Report of PCC-Expr — Data Link

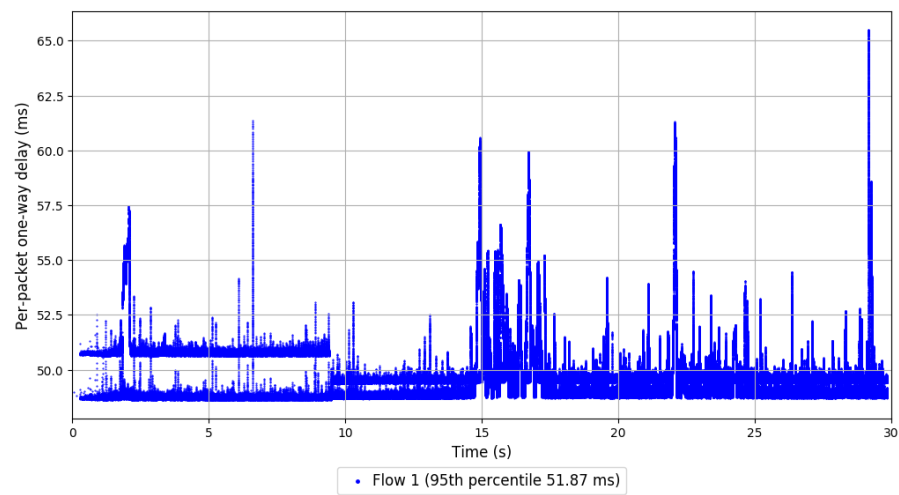
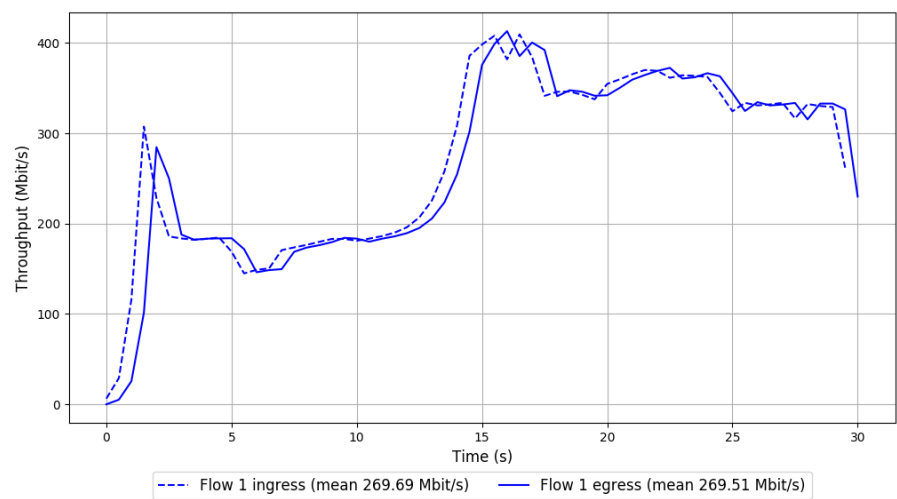


Run 6: Statistics of PCC-Expr

Start at: 2018-05-26 10:59:21
End at: 2018-05-26 10:59:51
Local clock offset: -0.177 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-26 13:36:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.51 Mbit/s
95th percentile per-packet one-way delay: 51.874 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 269.51 Mbit/s
95th percentile per-packet one-way delay: 51.874 ms
Loss rate: 0.40%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-26 11:19:31

End at: 2018-05-26 11:20:01

Local clock offset: -0.063 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-26 13:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.43 Mbit/s

95th percentile per-packet one-way delay: 58.330 ms

Loss rate: 0.38%

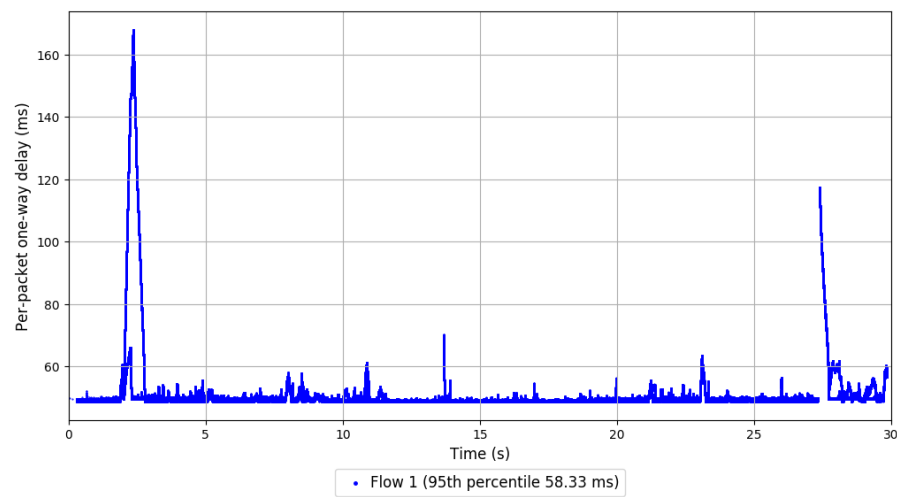
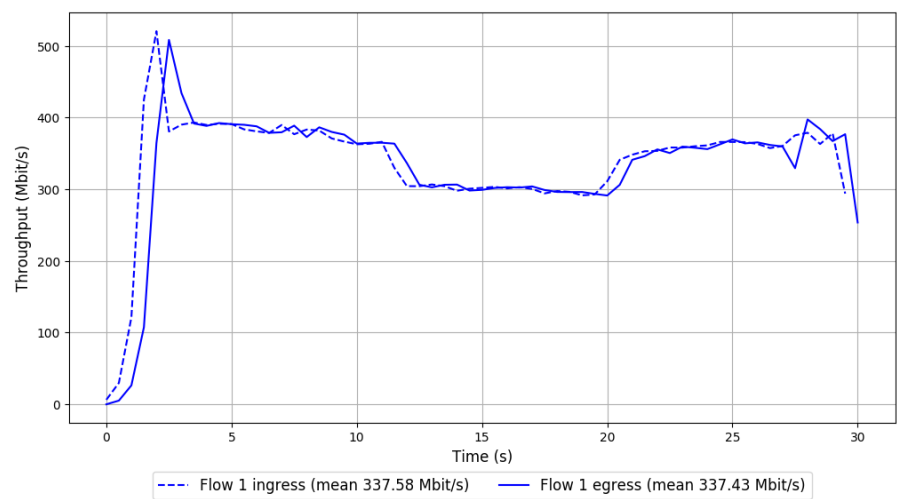
-- Flow 1:

Average throughput: 337.43 Mbit/s

95th percentile per-packet one-way delay: 58.330 ms

Loss rate: 0.38%

Run 7: Report of PCC-Expr — Data Link

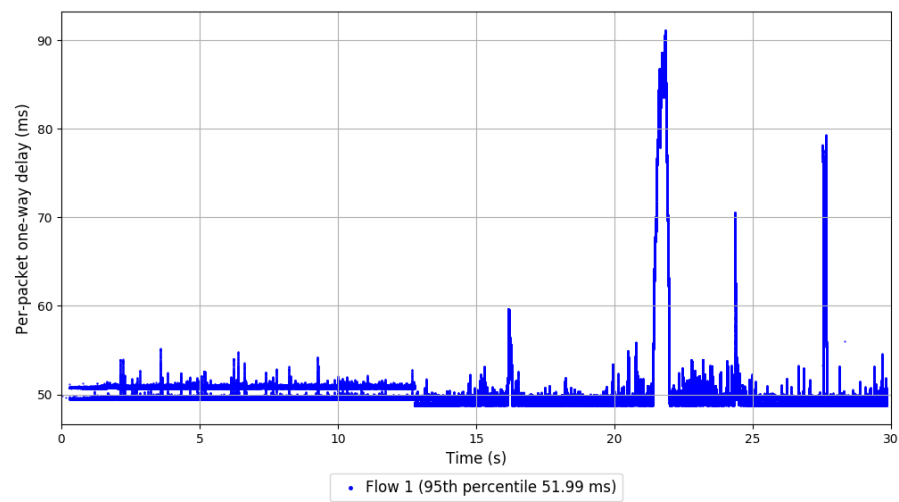
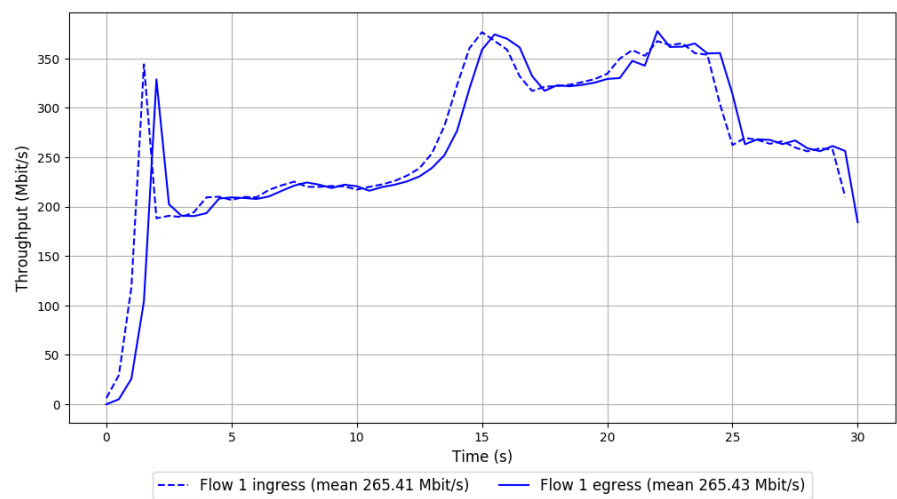


Run 8: Statistics of PCC-Expr

Start at: 2018-05-26 11:39:57
End at: 2018-05-26 11:40:27
Local clock offset: -0.098 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-26 13:36:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.43 Mbit/s
95th percentile per-packet one-way delay: 51.992 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 265.43 Mbit/s
95th percentile per-packet one-way delay: 51.992 ms
Loss rate: 0.32%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-26 12:00:12

End at: 2018-05-26 12:00:42

Local clock offset: -0.586 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-05-26 13:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.04 Mbit/s

95th percentile per-packet one-way delay: 49.901 ms

Loss rate: 0.48%

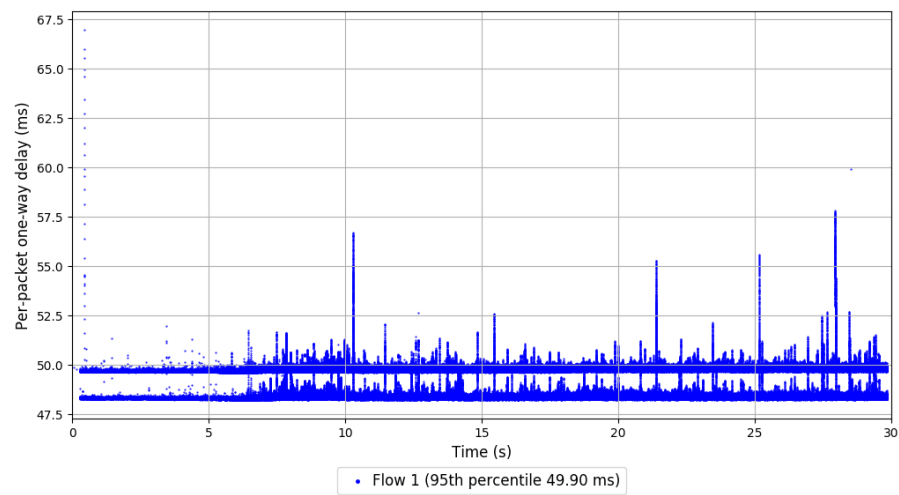
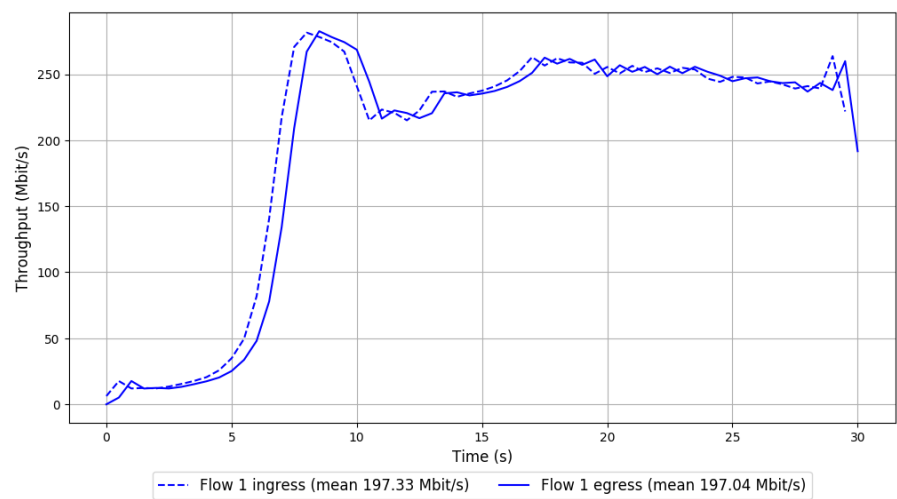
-- Flow 1:

Average throughput: 197.04 Mbit/s

95th percentile per-packet one-way delay: 49.901 ms

Loss rate: 0.48%

Run 9: Report of PCC-Expr — Data Link

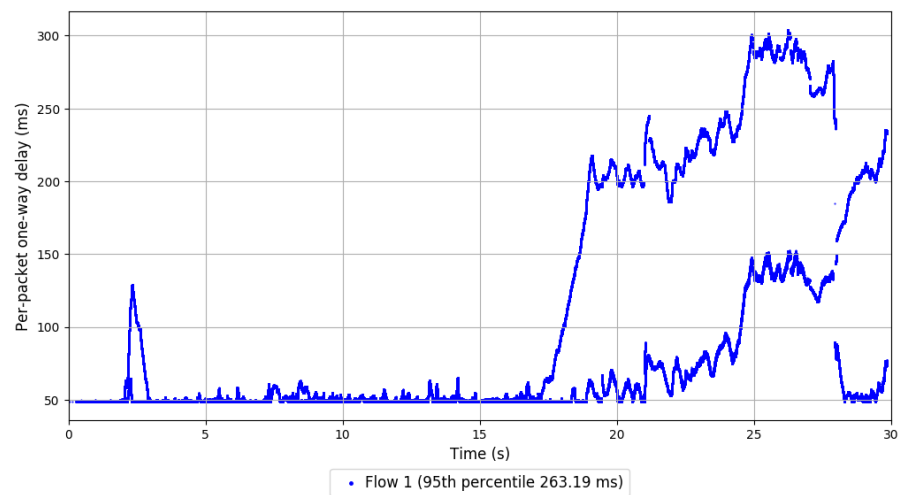
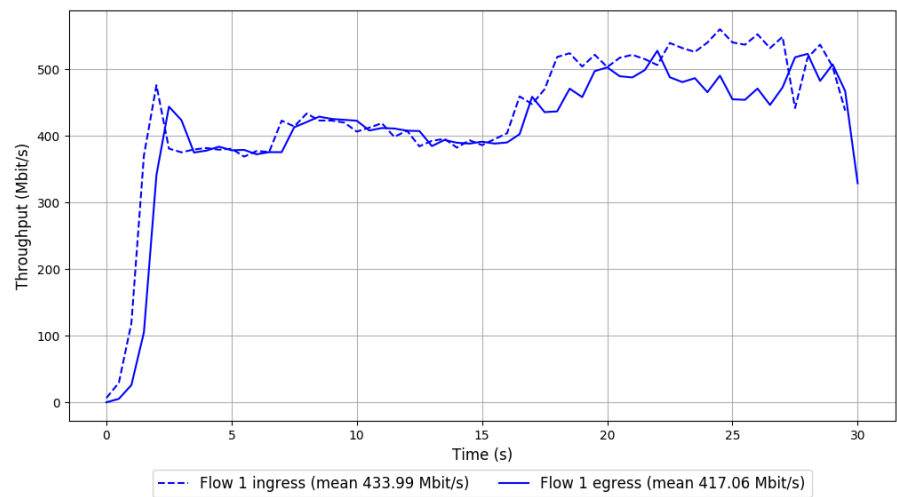


Run 10: Statistics of PCC-Expr

Start at: 2018-05-26 12:20:24
End at: 2018-05-26 12:20:54
Local clock offset: -0.117 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-26 13:42:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 417.06 Mbit/s
95th percentile per-packet one-way delay: 263.193 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 417.06 Mbit/s
95th percentile per-packet one-way delay: 263.193 ms
Loss rate: 4.22%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

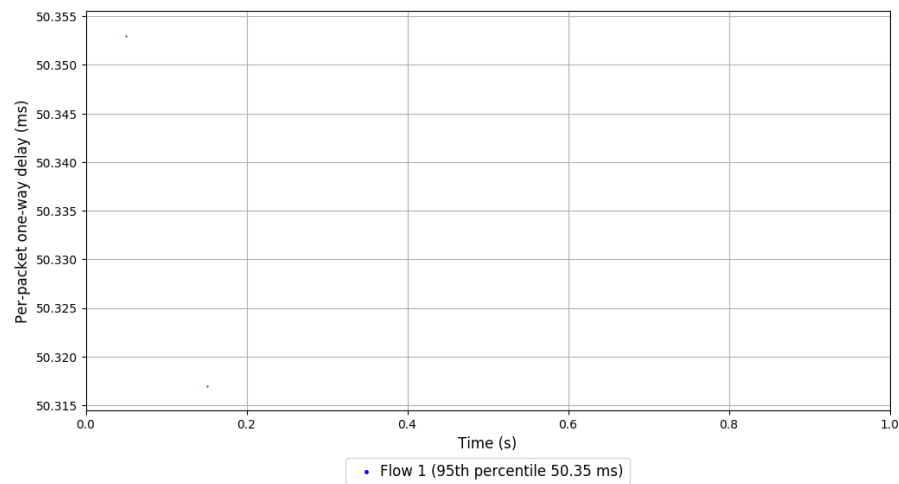
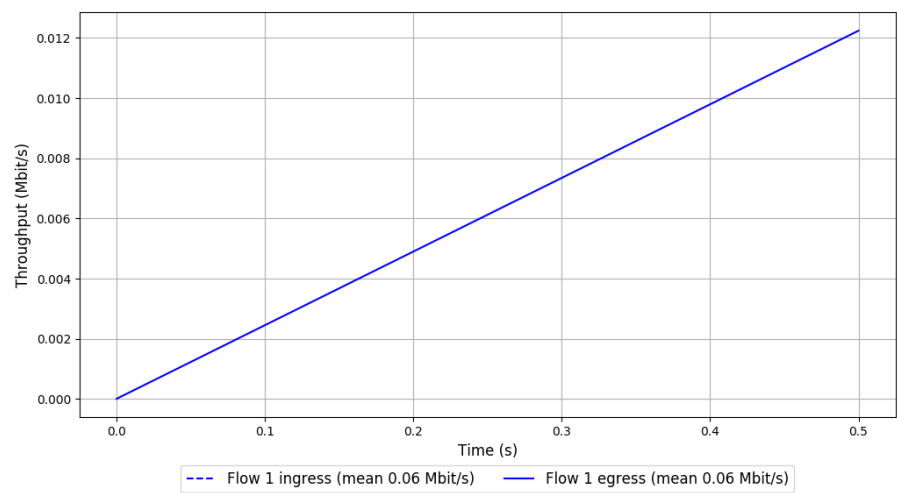
Start at: 2018-05-26 09:08:56

End at: 2018-05-26 09:09:26

Local clock offset: 0.037 ms

Remote clock offset: -0.084 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-26 09:29:01

End at: 2018-05-26 09:29:31

Local clock offset: -0.206 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.76 Mbit/s

95th percentile per-packet one-way delay: 50.675 ms

Loss rate: 0.35%

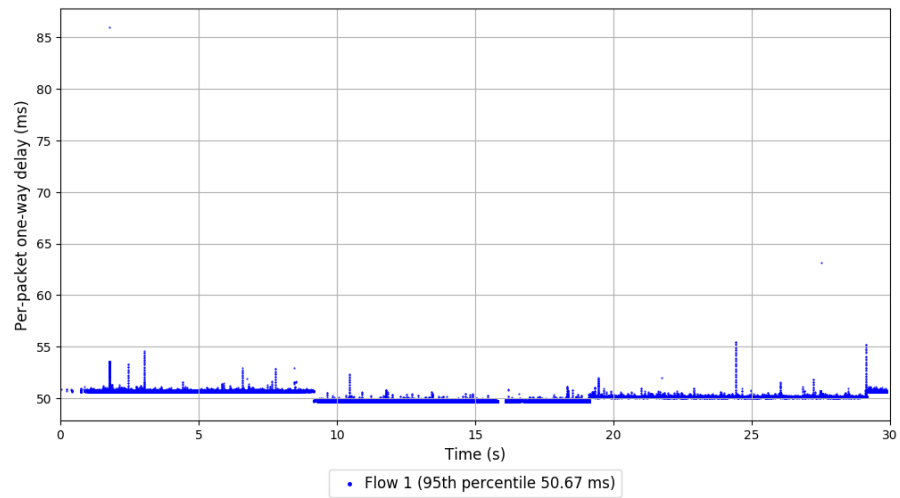
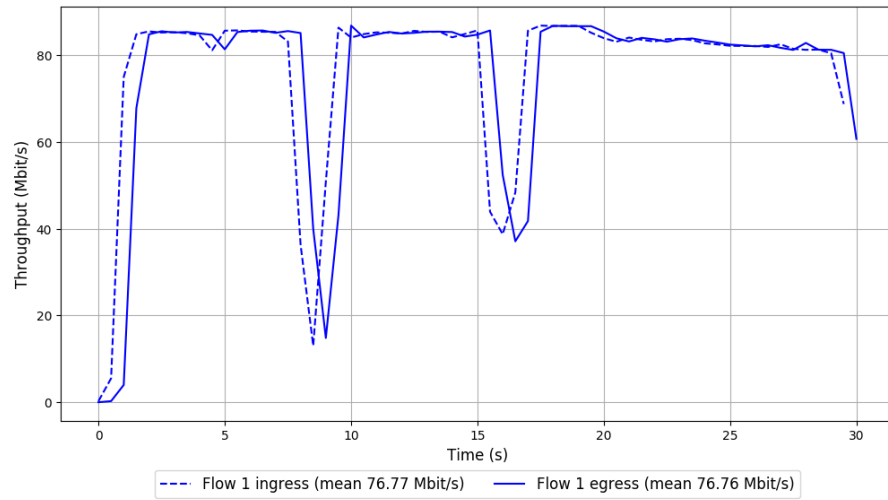
-- Flow 1:

Average throughput: 76.76 Mbit/s

95th percentile per-packet one-way delay: 50.675 ms

Loss rate: 0.35%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-26 09:49:04

End at: 2018-05-26 09:49:34

Local clock offset: -0.21 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.78 Mbit/s

95th percentile per-packet one-way delay: 50.651 ms

Loss rate: 0.00%

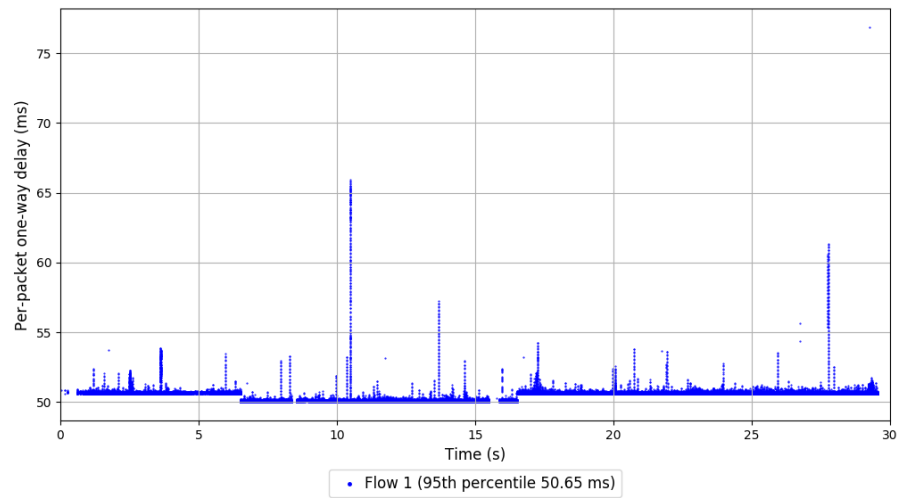
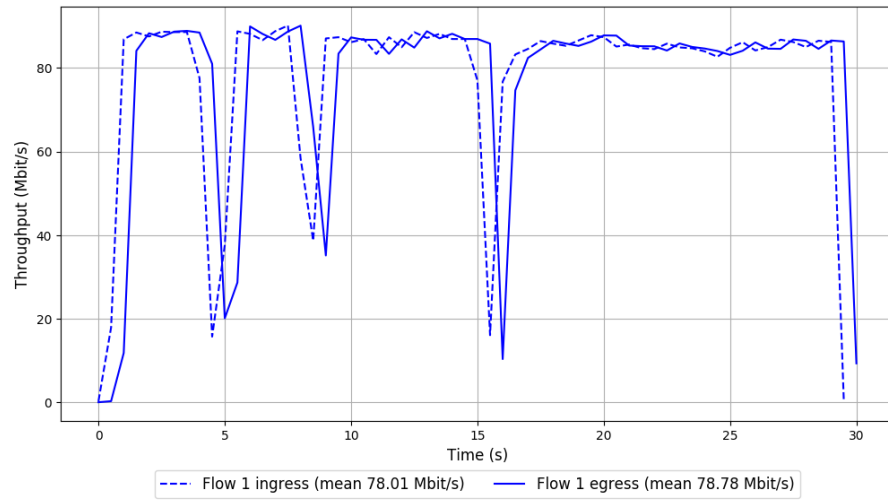
-- Flow 1:

Average throughput: 78.78 Mbit/s

95th percentile per-packet one-way delay: 50.651 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

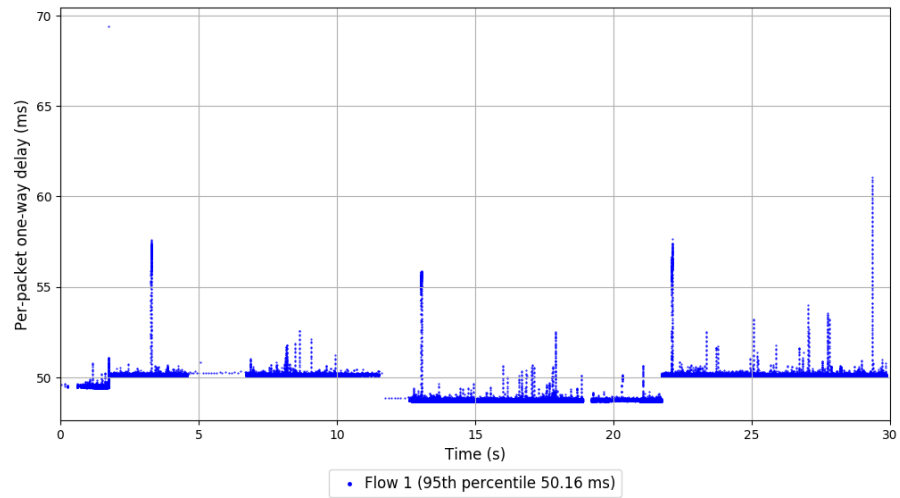
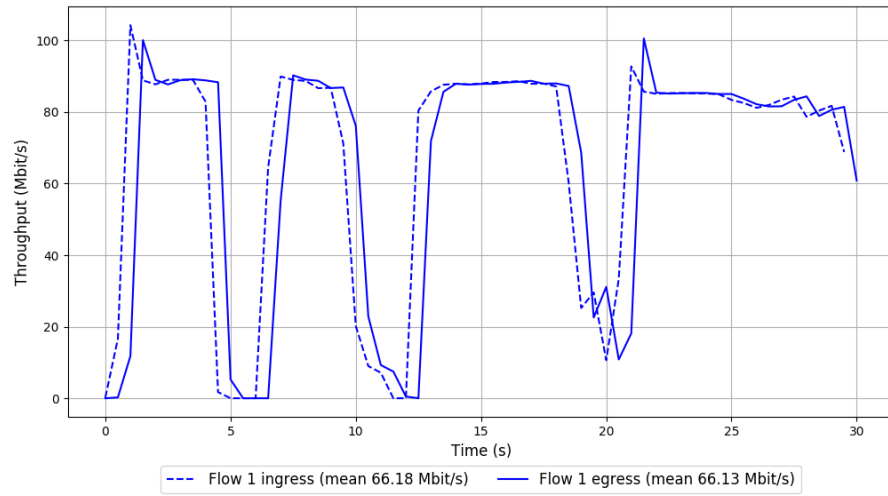


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-26 10:09:19
End at: 2018-05-26 10:09:49
Local clock offset: -0.232 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 50.155 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 50.155 ms
Loss rate: 0.41%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-26 10:29:35

End at: 2018-05-26 10:30:05

Local clock offset: -0.267 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 50.187 ms

Loss rate: 0.00%

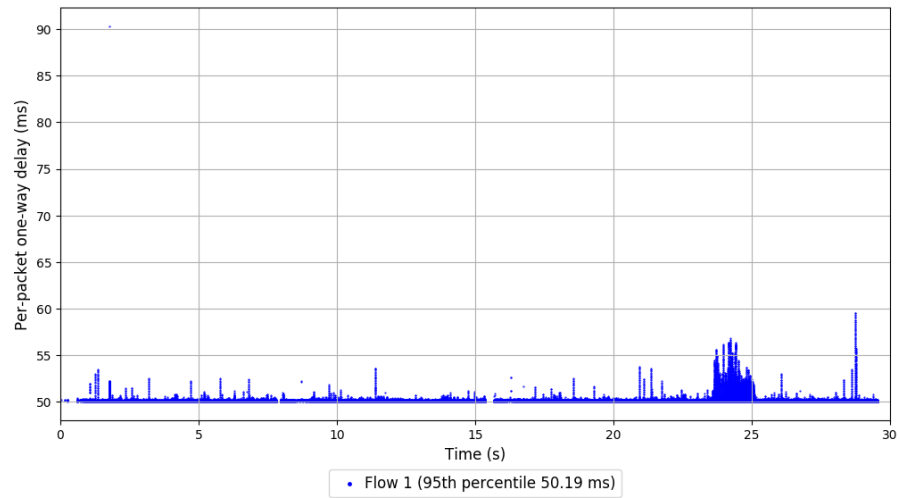
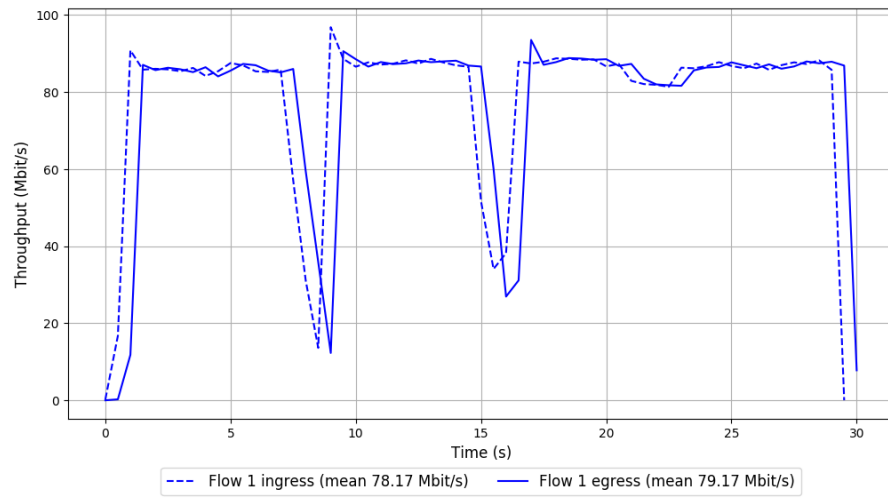
-- Flow 1:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 50.187 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-26 10:49:31

End at: 2018-05-26 10:50:01

Local clock offset: -0.21 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.30 Mbit/s

95th percentile per-packet one-way delay: 50.162 ms

Loss rate: 0.38%

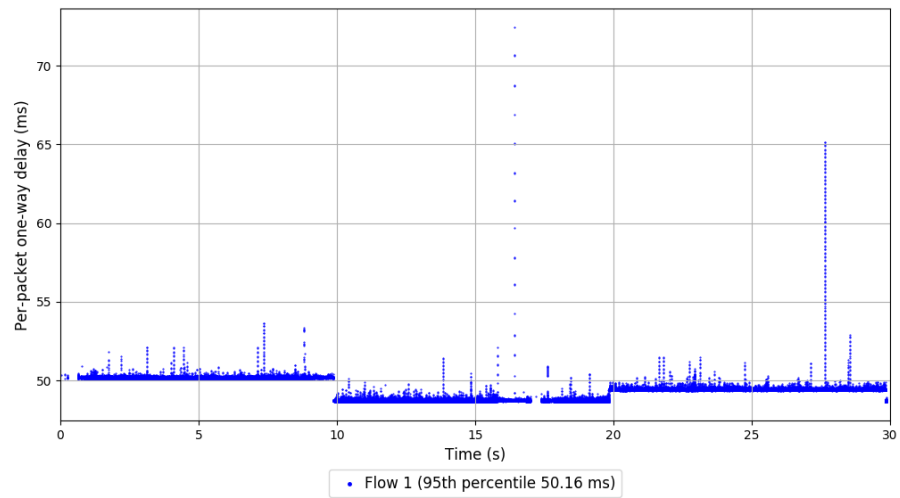
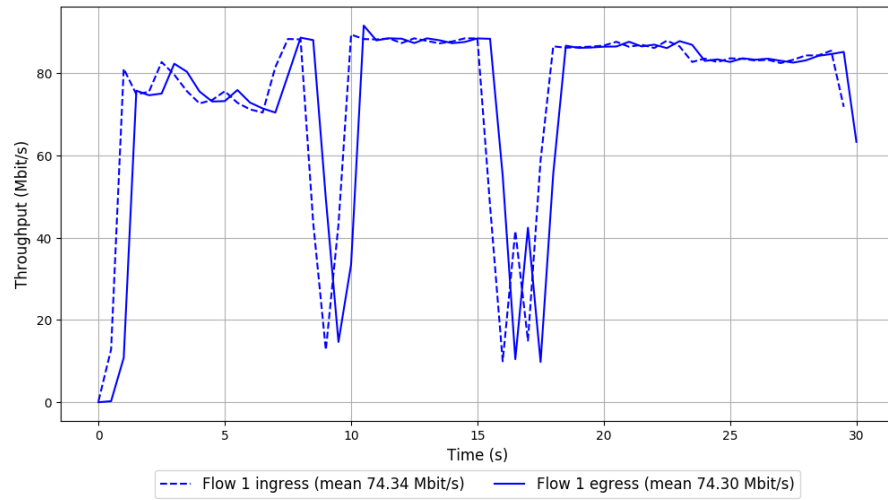
-- Flow 1:

Average throughput: 74.30 Mbit/s

95th percentile per-packet one-way delay: 50.162 ms

Loss rate: 0.38%

Run 6: Report of QUIC Cubic — Data Link

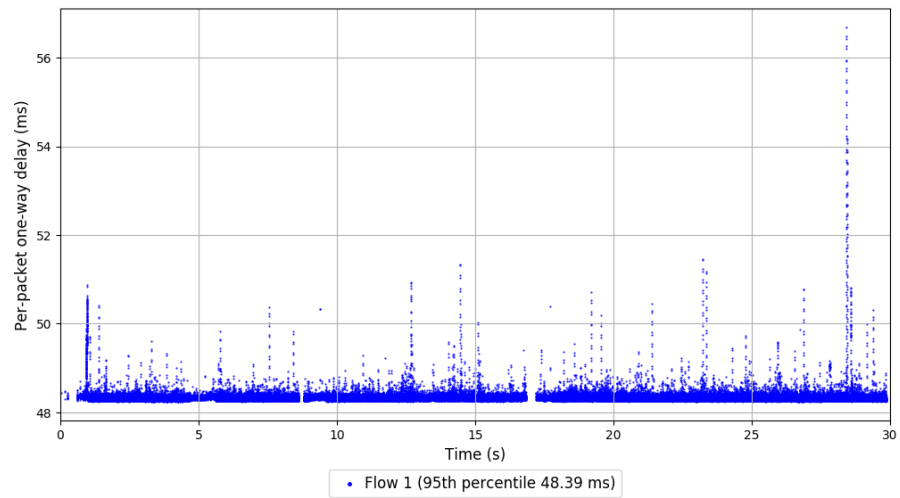
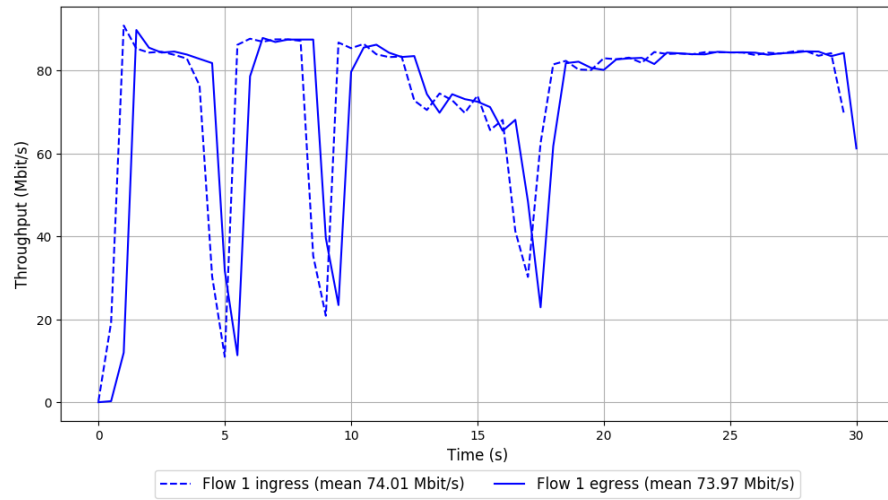


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-26 11:09:46
End at: 2018-05-26 11:10:16
Local clock offset: -0.501 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 48.389 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 48.389 ms
Loss rate: 0.38%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-26 11:30:08

End at: 2018-05-26 11:30:38

Local clock offset: -0.101 ms

Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 50.191 ms

Loss rate: 0.33%

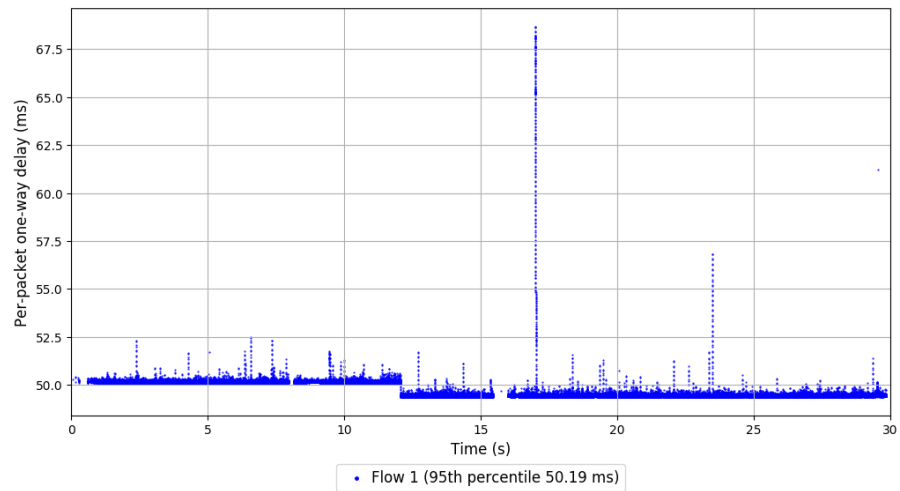
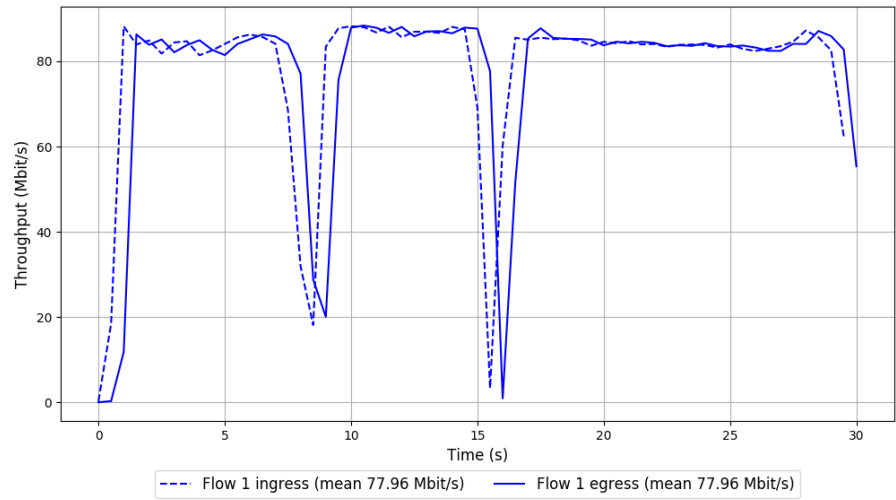
-- Flow 1:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 50.191 ms

Loss rate: 0.33%

Run 8: Report of QUIC Cubic — Data Link

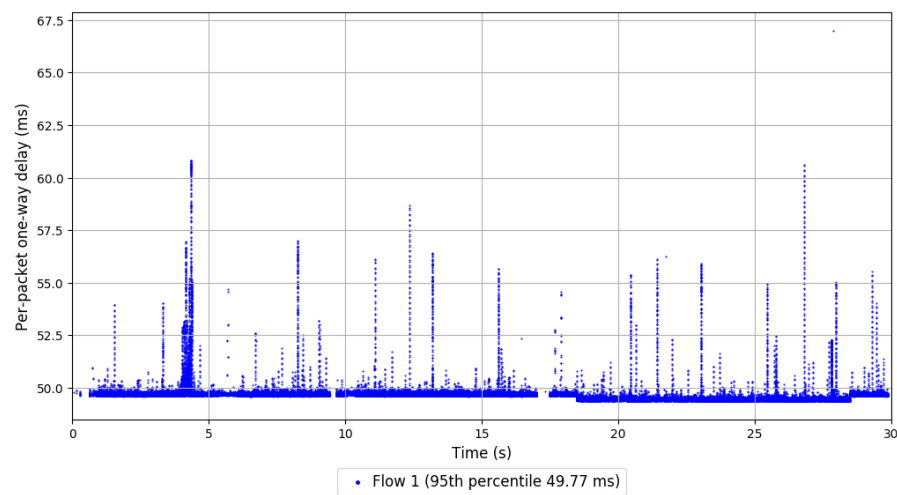
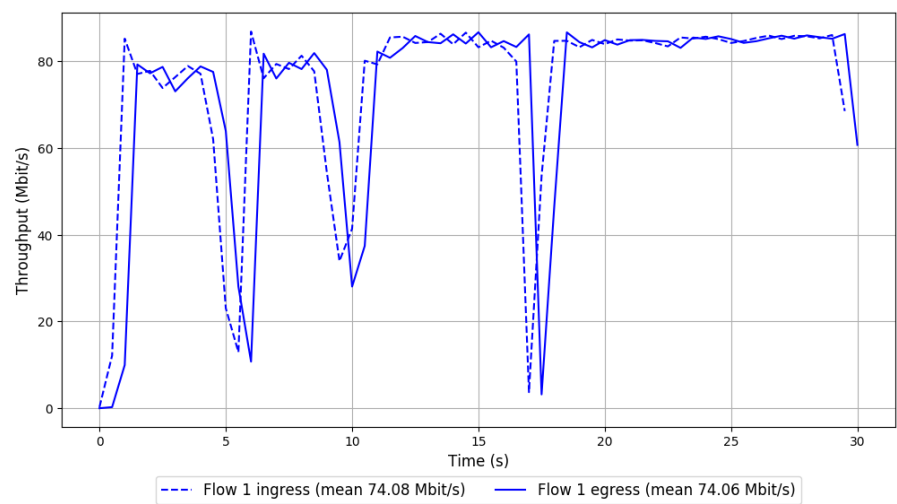


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-26 11:50:22
End at: 2018-05-26 11:50:52
Local clock offset: -0.185 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.06 Mbit/s
95th percentile per-packet one-way delay: 49.766 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 74.06 Mbit/s
95th percentile per-packet one-way delay: 49.766 ms
Loss rate: 0.37%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-26 12:10:34

End at: 2018-05-26 12:11:04

Local clock offset: -0.146 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.67 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.44%

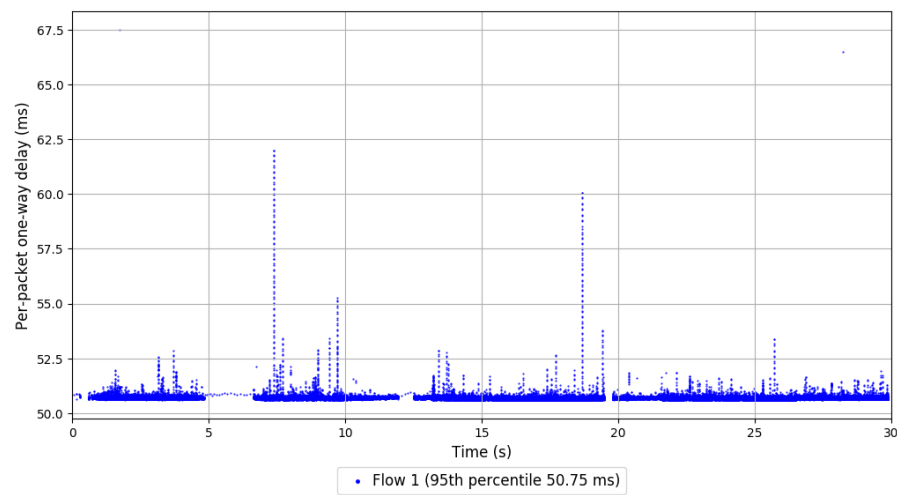
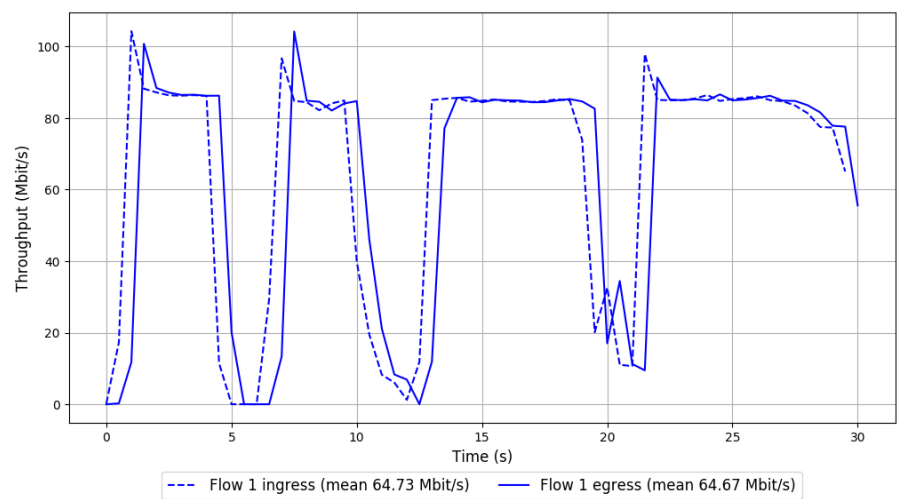
-- Flow 1:

Average throughput: 64.67 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.44%

Run 10: Report of QUIC Cubic — Data Link

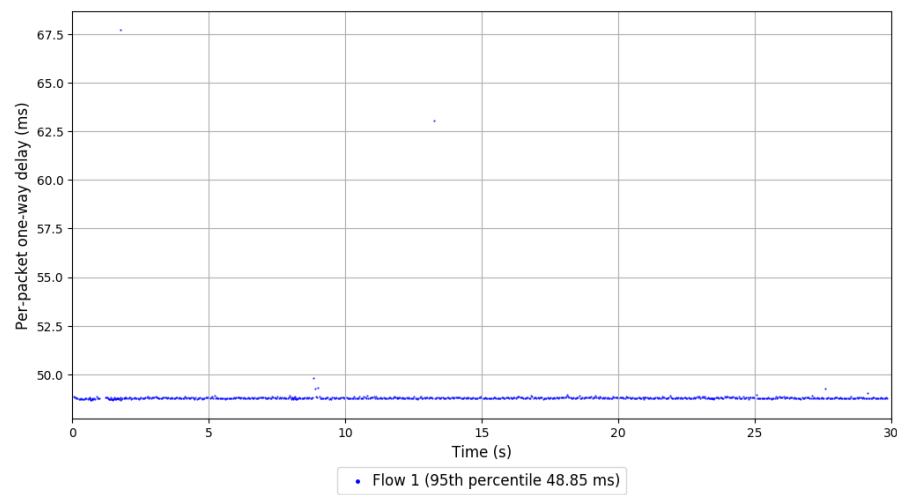
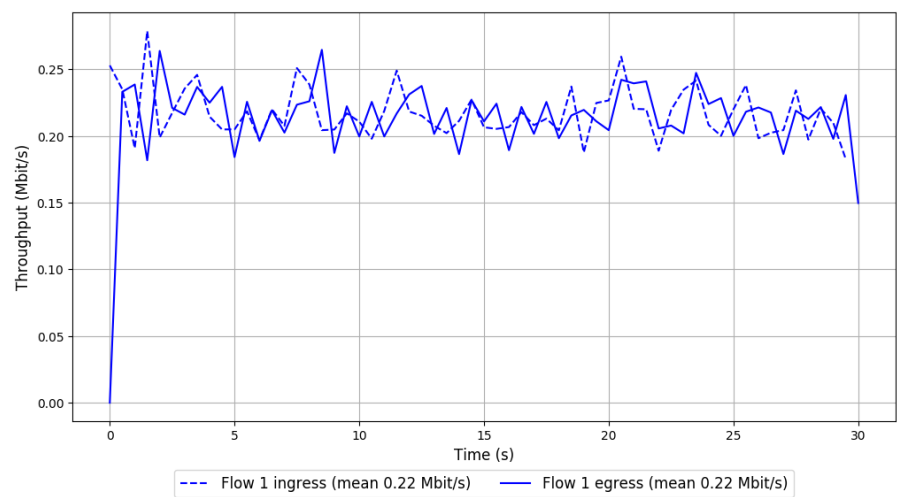


Run 1: Statistics of SCReAM

Start at: 2018-05-26 09:20:05
End at: 2018-05-26 09:20:35
Local clock offset: -0.282 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.848 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.848 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

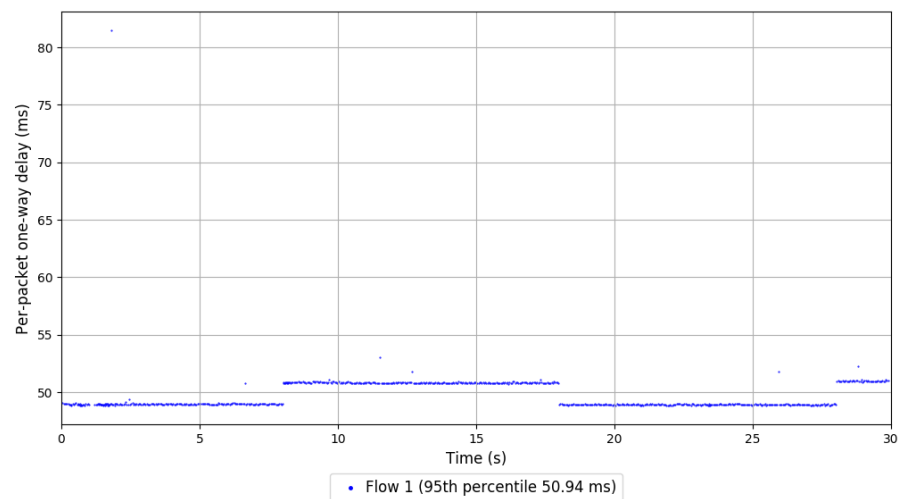
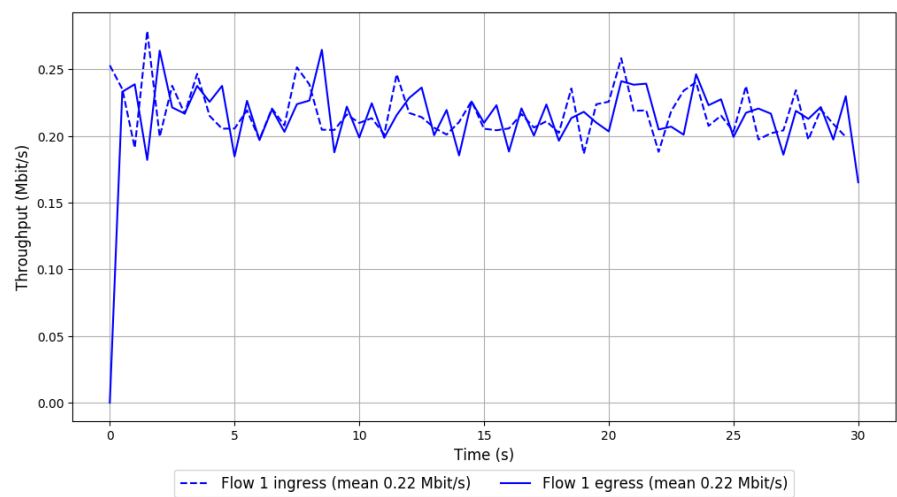


Run 2: Statistics of SCReAM

Start at: 2018-05-26 09:40:12
End at: 2018-05-26 09:40:42
Local clock offset: -0.165 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.937 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.937 ms
Loss rate: 0.39%

Run 2: Report of SReAM — Data Link

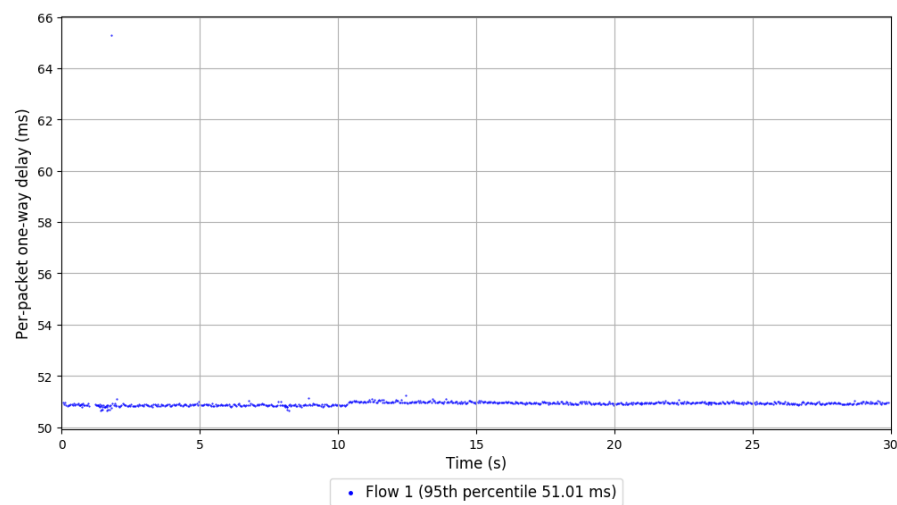
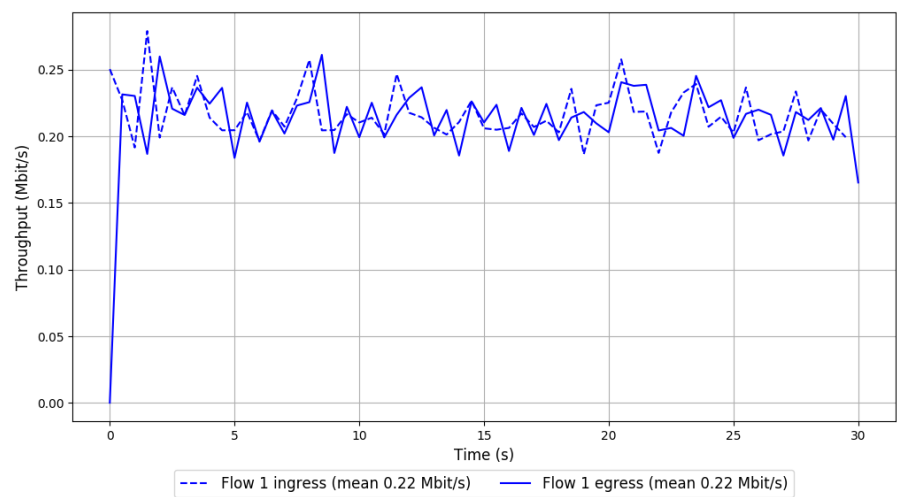


Run 3: Statistics of SCReAM

Start at: 2018-05-26 10:00:20
End at: 2018-05-26 10:00:50
Local clock offset: -0.239 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.010 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.010 ms
Loss rate: 0.39%

Run 3: Report of SReAM — Data Link

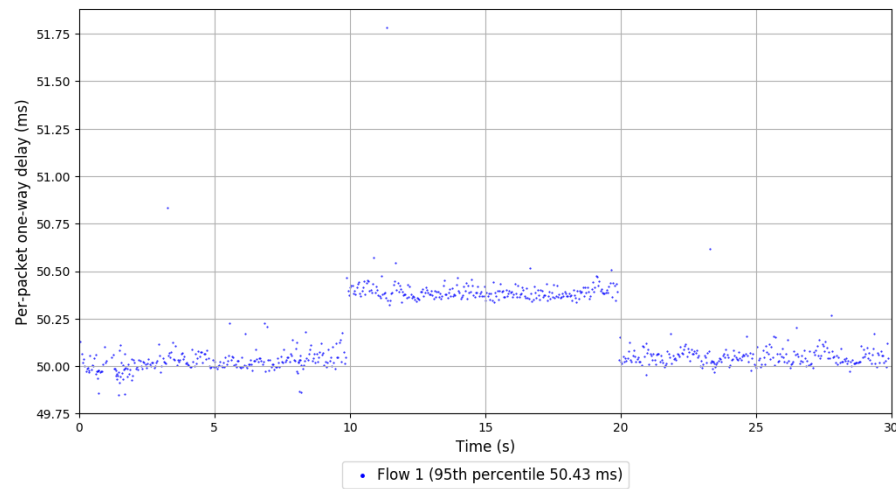
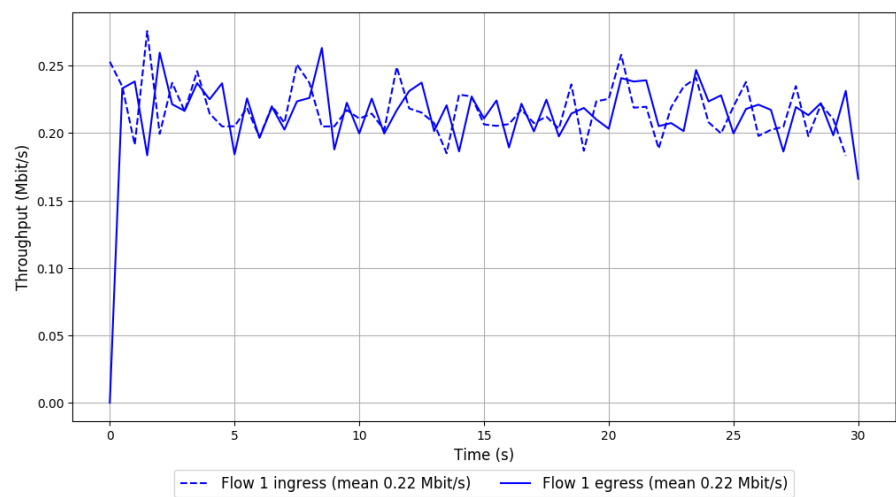


Run 4: Statistics of SCReAM

Start at: 2018-05-26 10:20:40
End at: 2018-05-26 10:21:10
Local clock offset: 0.152 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.426 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.426 ms
Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-26 10:40:47

End at: 2018-05-26 10:41:17

Local clock offset: -0.291 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.885 ms

Loss rate: 0.38%

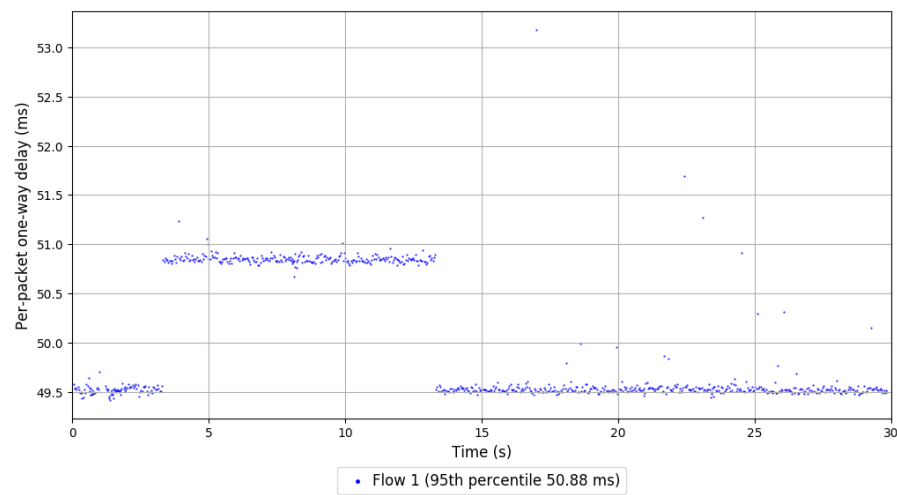
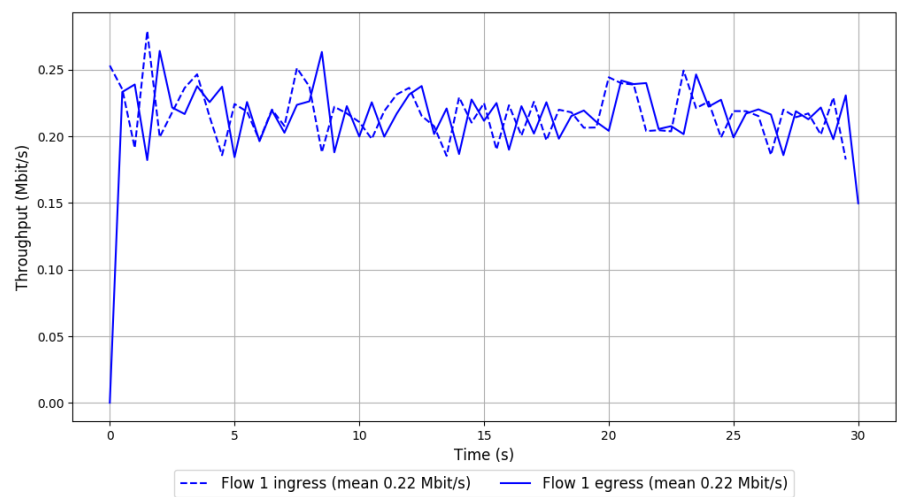
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.885 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

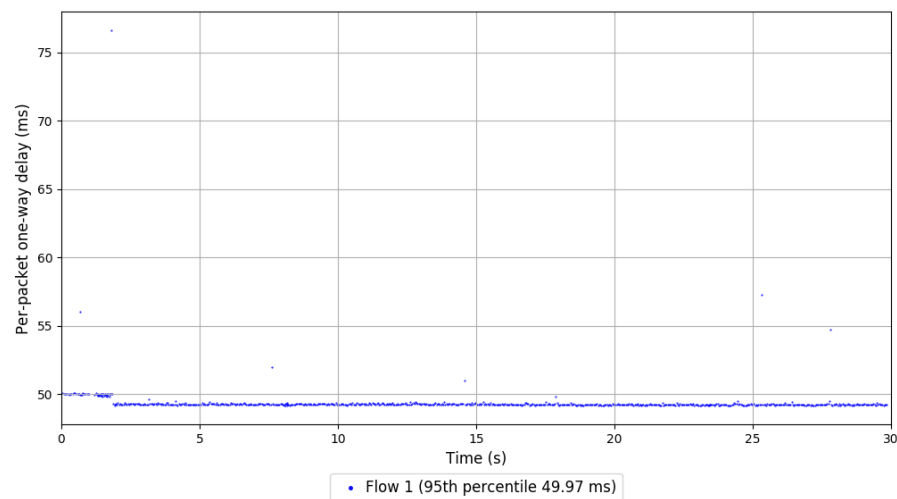
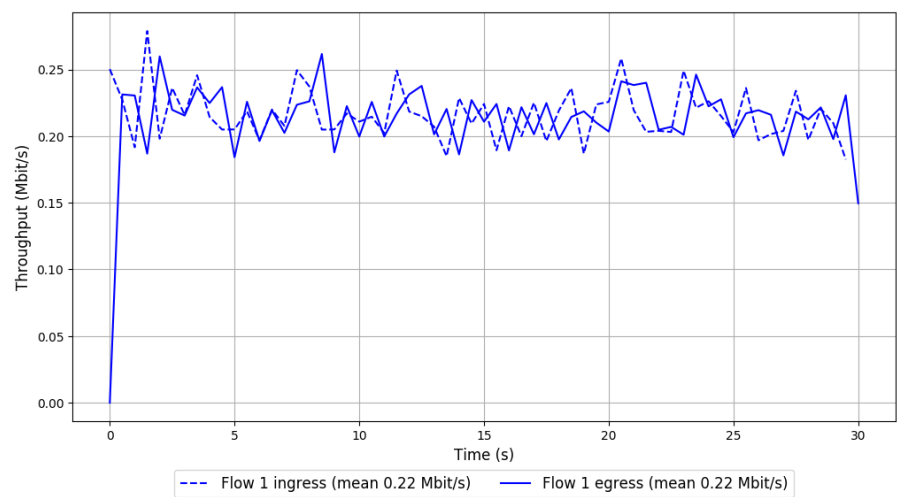


Run 6: Statistics of SCReAM

Start at: 2018-05-26 11:00:49
End at: 2018-05-26 11:01:19
Local clock offset: 0.188 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.974 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.974 ms
Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

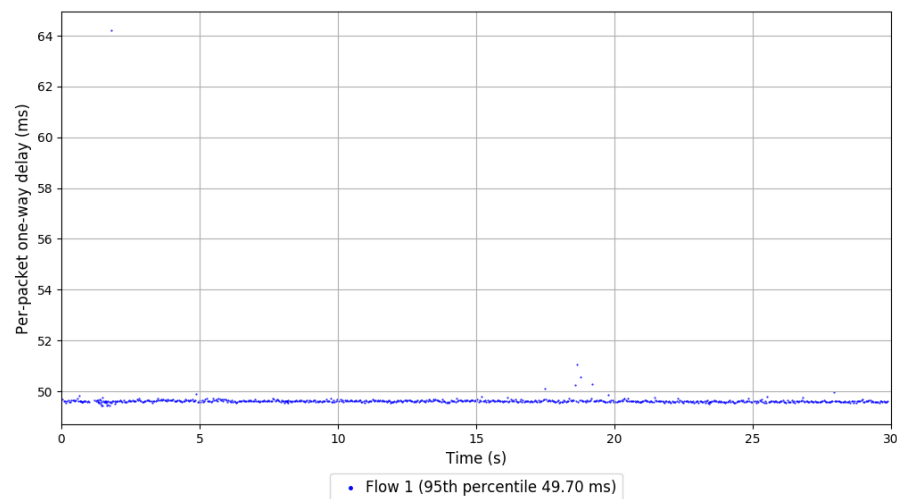
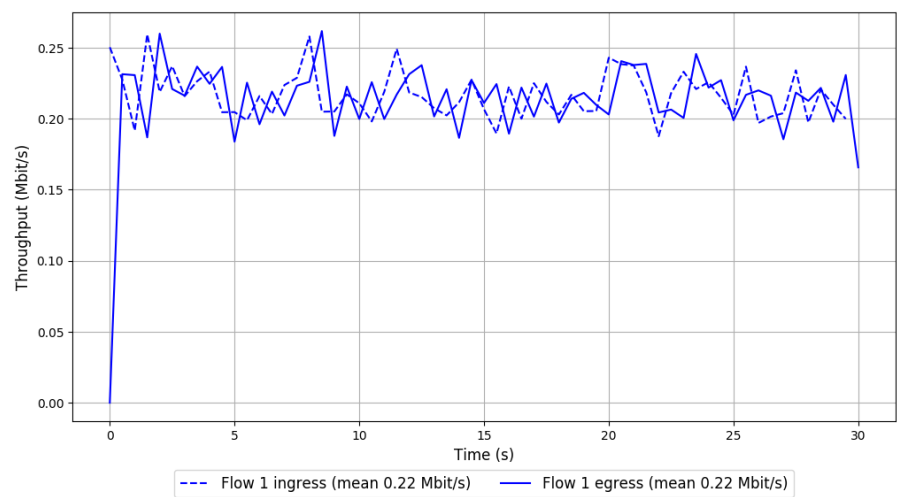


Run 7: Statistics of SCReAM

Start at: 2018-05-26 11:21:04
End at: 2018-05-26 11:21:34
Local clock offset: -0.103 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.701 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.701 ms
Loss rate: 0.39%

Run 7: Report of SReAM — Data Link

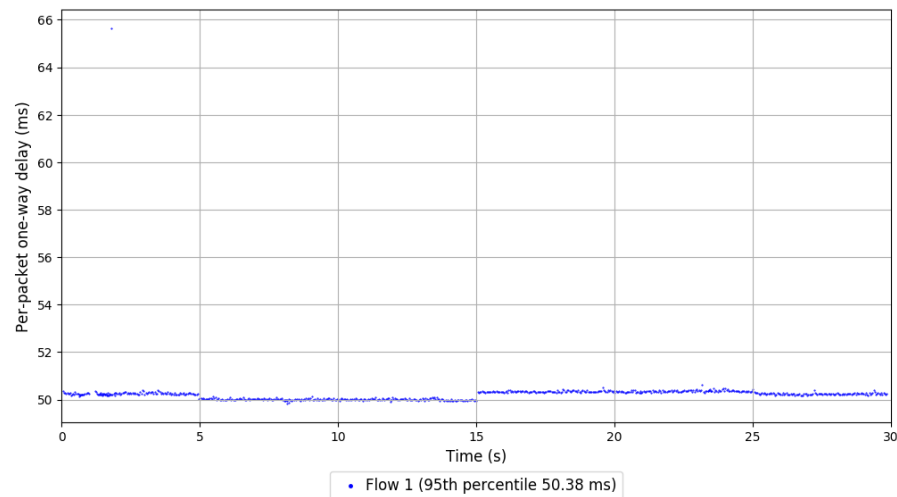
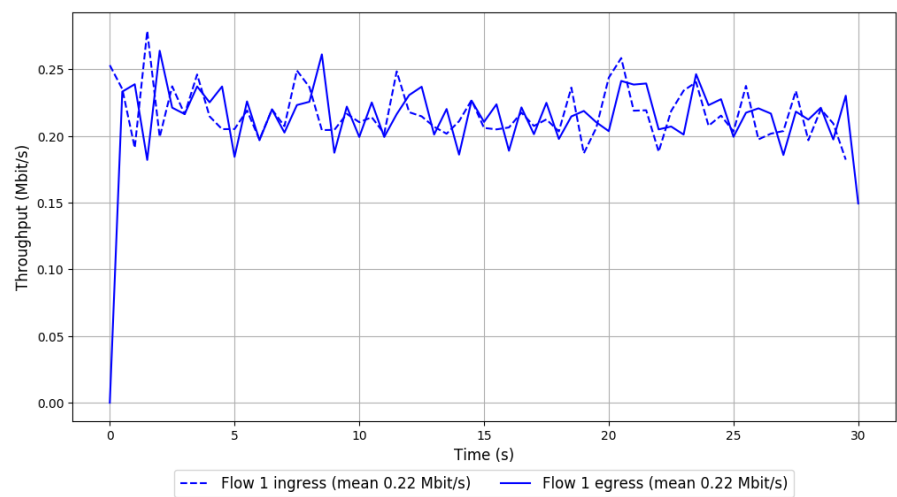


Run 8: Statistics of SCReAM

Start at: 2018-05-26 11:41:25
End at: 2018-05-26 11:41:55
Local clock offset: 0.253 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.384 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.384 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-26 12:01:34

End at: 2018-05-26 12:02:04

Local clock offset: -0.171 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.889 ms

Loss rate: 0.39%

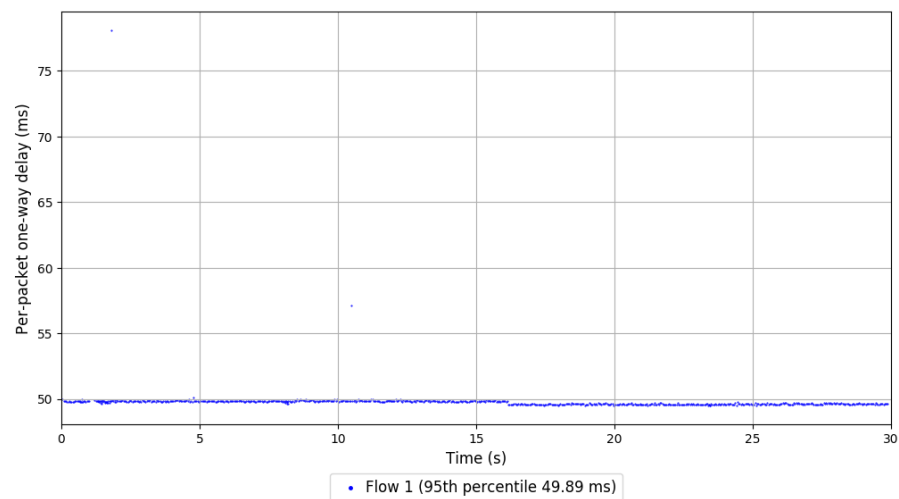
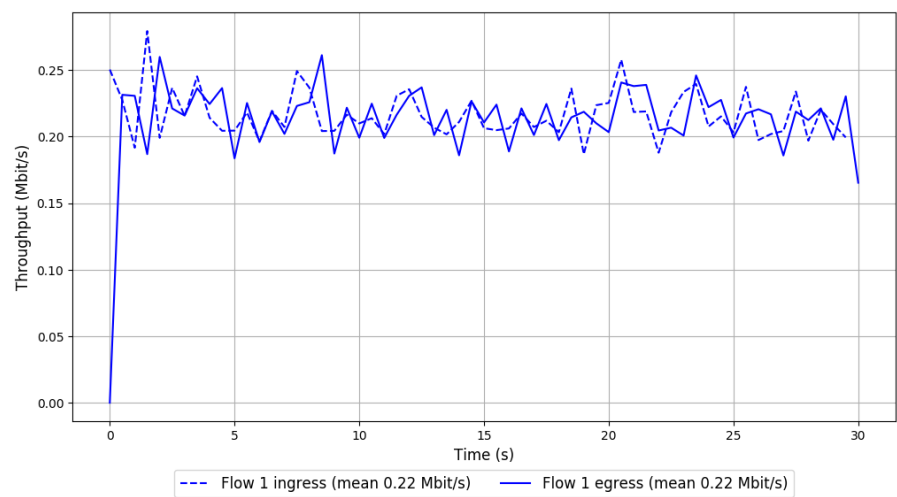
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.889 ms

Loss rate: 0.39%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-26 12:21:58

End at: 2018-05-26 12:22:28

Local clock offset: -0.548 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.264 ms

Loss rate: 0.26%

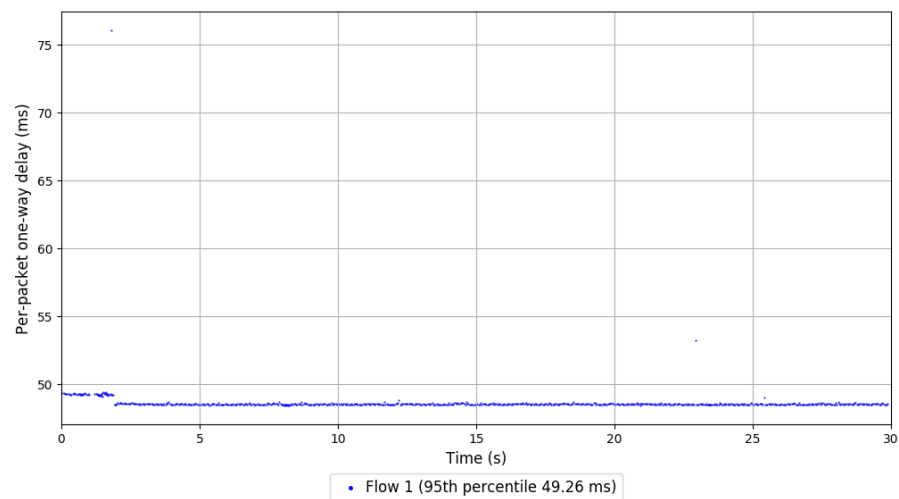
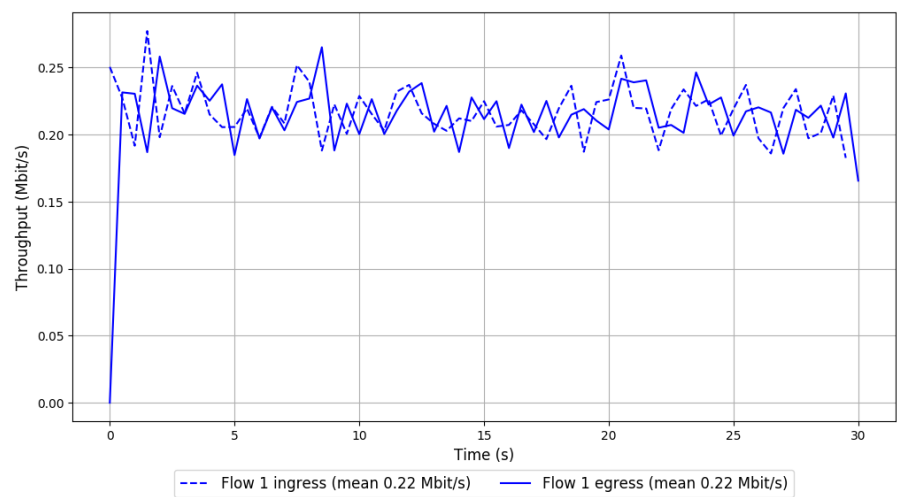
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.264 ms

Loss rate: 0.26%

Run 10: Report of SReAM — Data Link

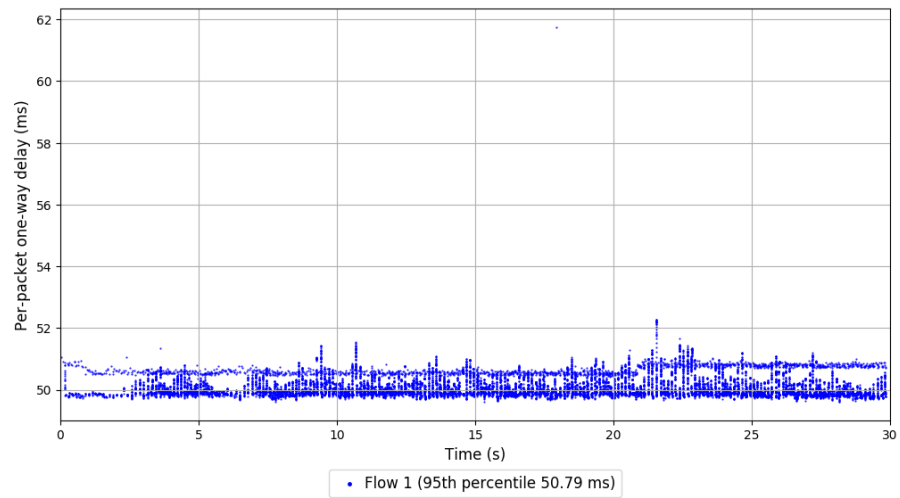
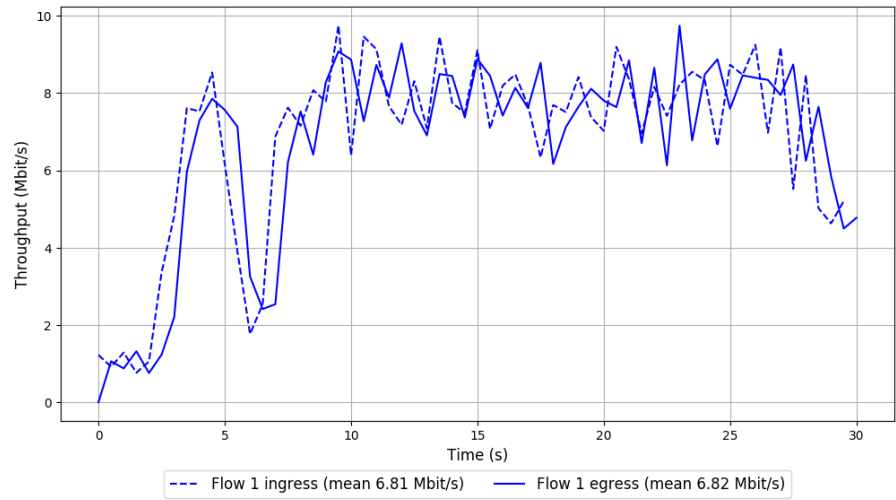


Run 1: Statistics of Sprout

Start at: 2018-05-26 09:16:09
End at: 2018-05-26 09:16:39
Local clock offset: -0.274 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.14%

Run 1: Report of Sprout — Data Link

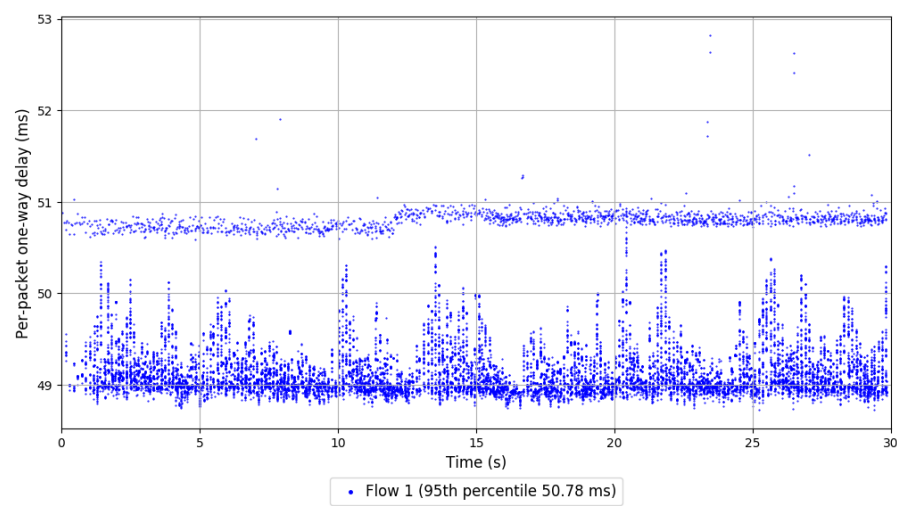
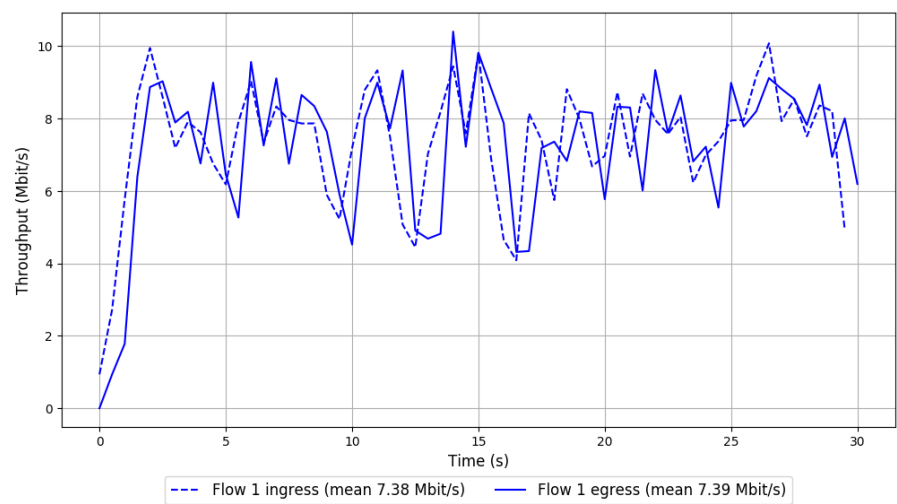


Run 2: Statistics of Sprout

Start at: 2018-05-26 09:36:18
End at: 2018-05-26 09:36:48
Local clock offset: -0.157 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 50.781 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 50.781 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link

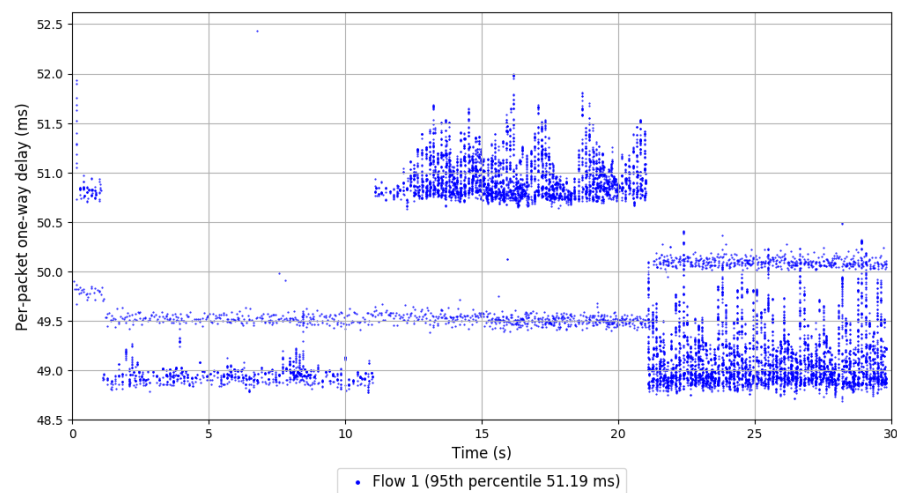
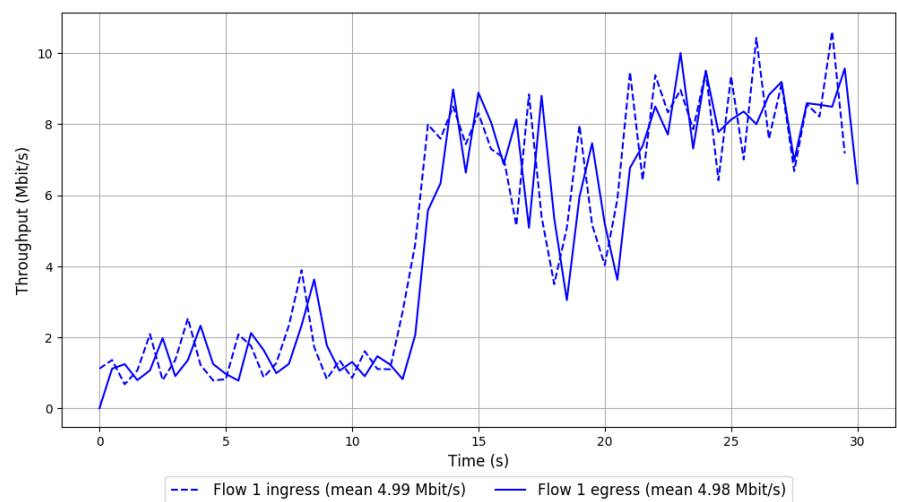


Run 3: Statistics of Sprout

Start at: 2018-05-26 09:56:29
End at: 2018-05-26 09:56:59
Local clock offset: -0.257 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 51.189 ms
Loss rate: 0.63%

Run 3: Report of Sprout — Data Link

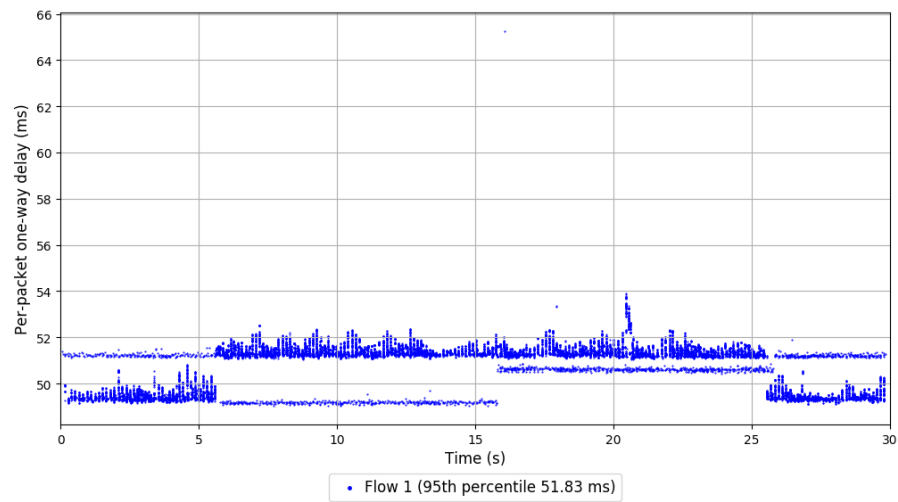
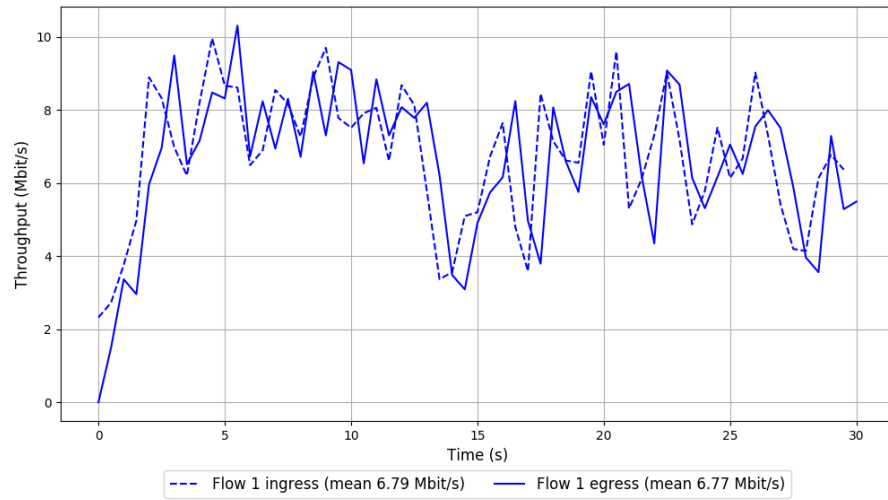


Run 4: Statistics of Sprout

Start at: 2018-05-26 10:16:45
End at: 2018-05-26 10:17:15
Local clock offset: 0.136 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 51.832 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 51.832 ms
Loss rate: 0.59%

Run 4: Report of Sprout — Data Link

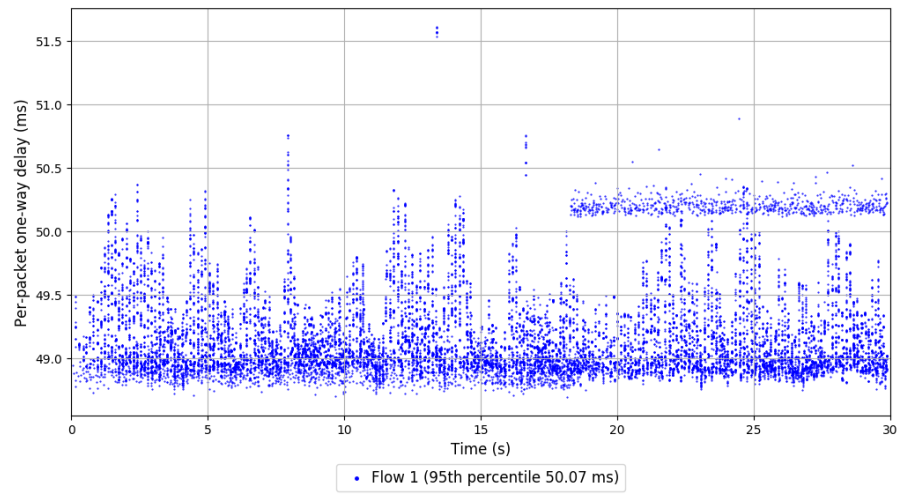
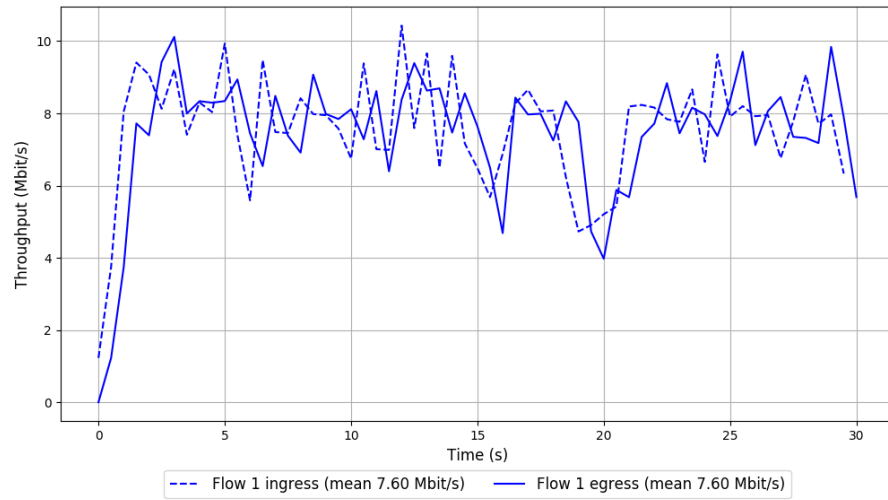


Run 5: Statistics of Sprout

Start at: 2018-05-26 10:36:52
End at: 2018-05-26 10:37:22
Local clock offset: -0.234 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 50.067 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 50.067 ms
Loss rate: 0.21%

Run 5: Report of Sprout — Data Link

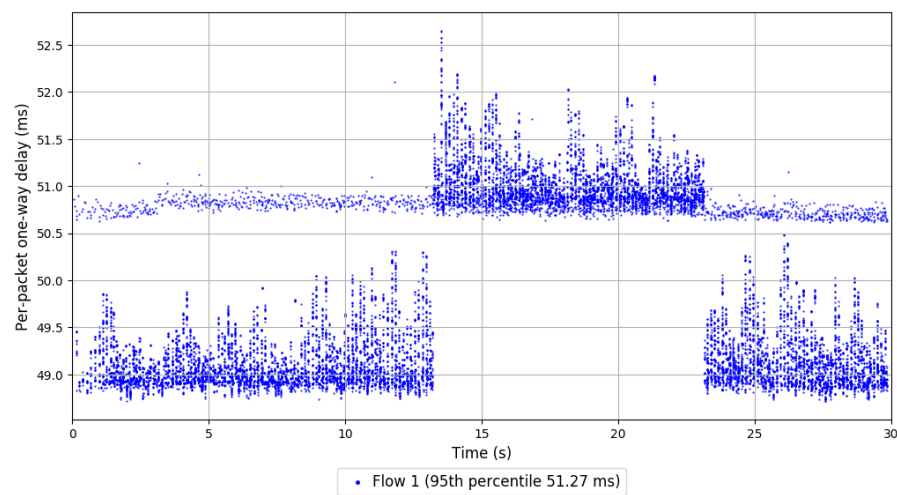
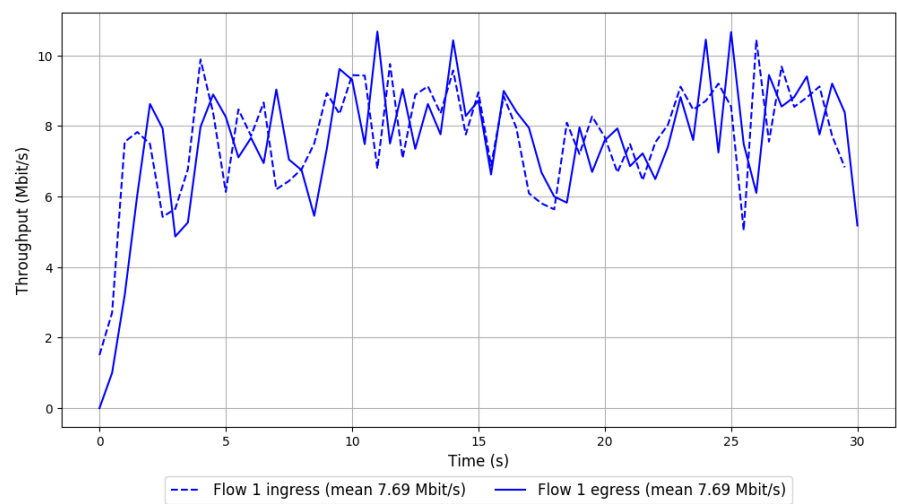


Run 6: Statistics of Sprout

Start at: 2018-05-26 10:56:57
End at: 2018-05-26 10:57:27
Local clock offset: -0.186 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 51.265 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 51.265 ms
Loss rate: 0.43%

Run 6: Report of Sprout — Data Link

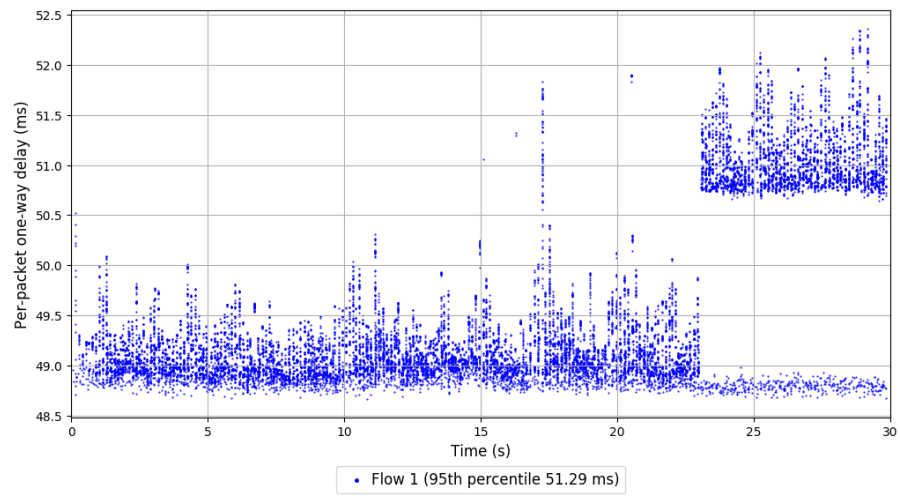
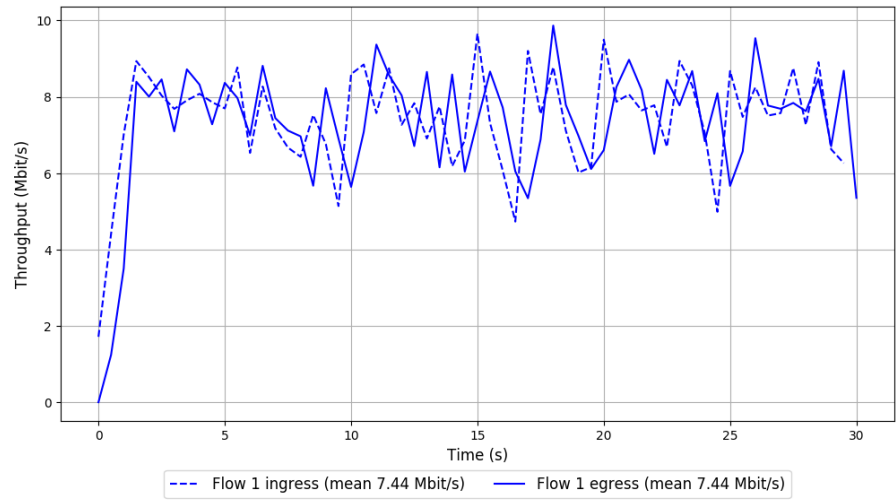


Run 7: Statistics of Sprout

Start at: 2018-05-26 11:17:07
End at: 2018-05-26 11:17:37
Local clock offset: -0.132 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 51.290 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 51.290 ms
Loss rate: 0.24%

Run 7: Report of Sprout — Data Link

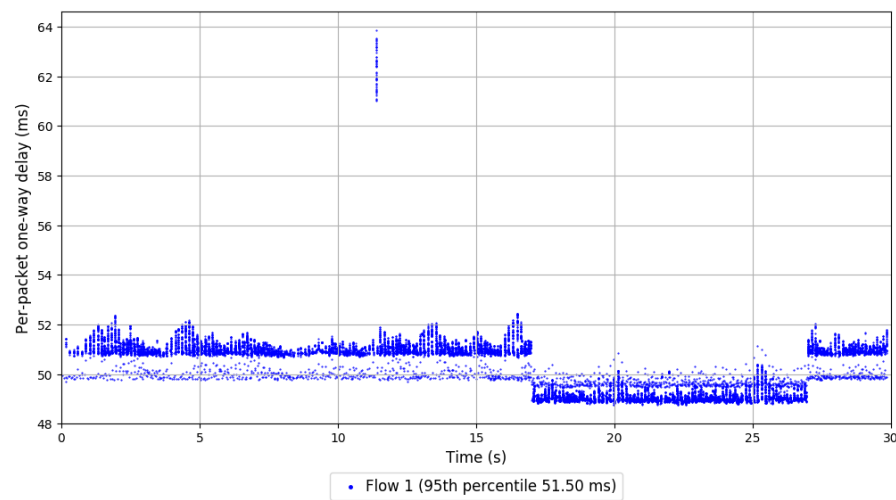
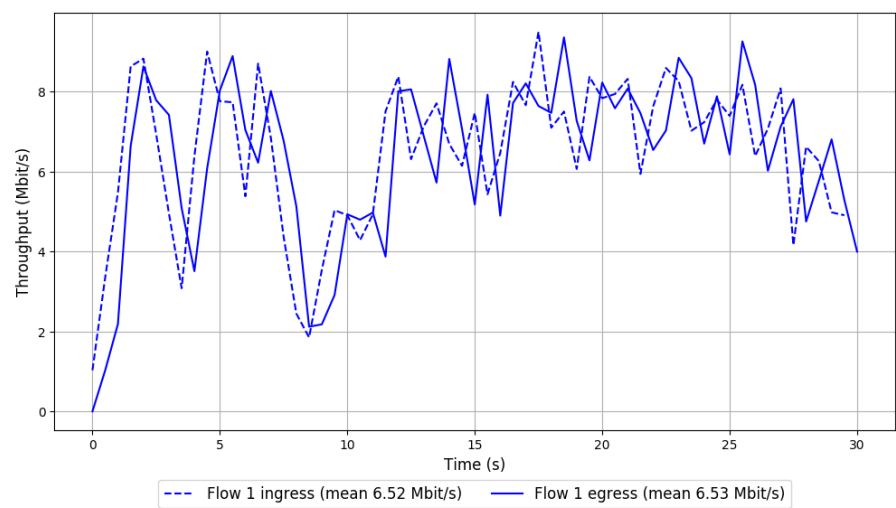


Run 8: Statistics of Sprout

Start at: 2018-05-26 11:37:33
End at: 2018-05-26 11:38:03
Local clock offset: -0.084 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 51.502 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 51.502 ms
Loss rate: 0.23%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-26 11:57:49

End at: 2018-05-26 11:58:19

Local clock offset: -0.149 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 50.700 ms

Loss rate: 0.20%

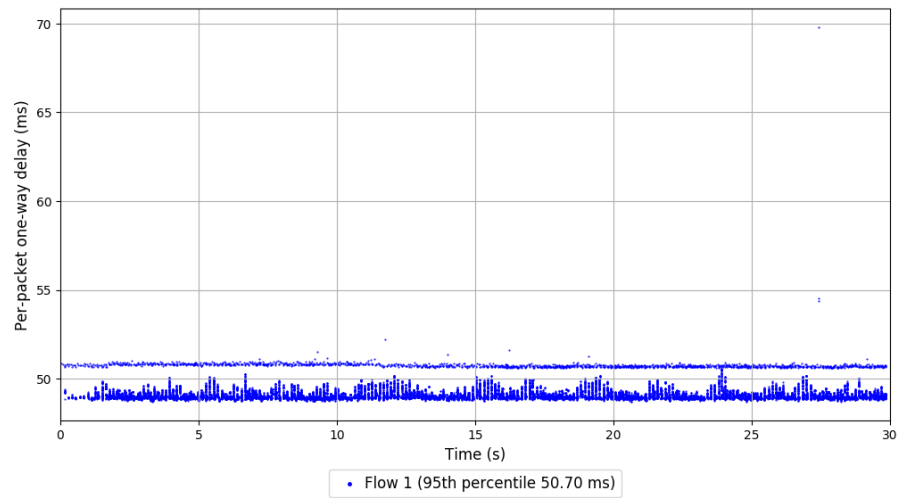
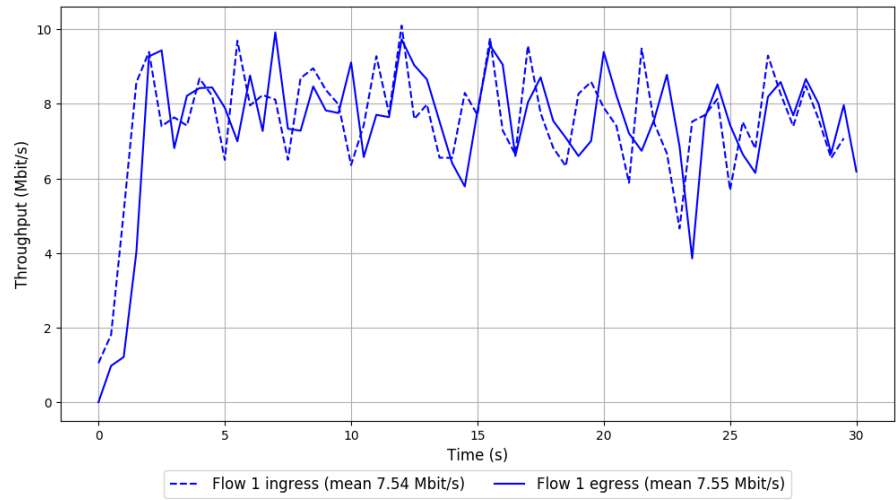
-- Flow 1:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 50.700 ms

Loss rate: 0.20%

Run 9: Report of Sprout — Data Link

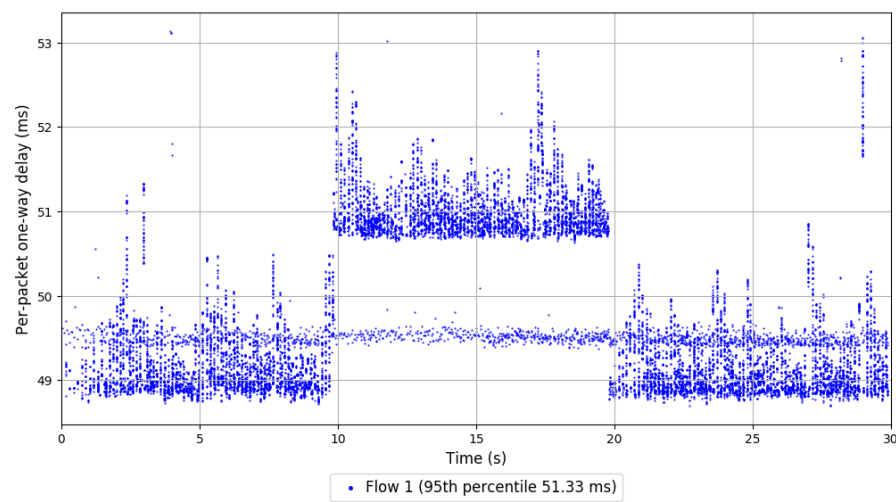
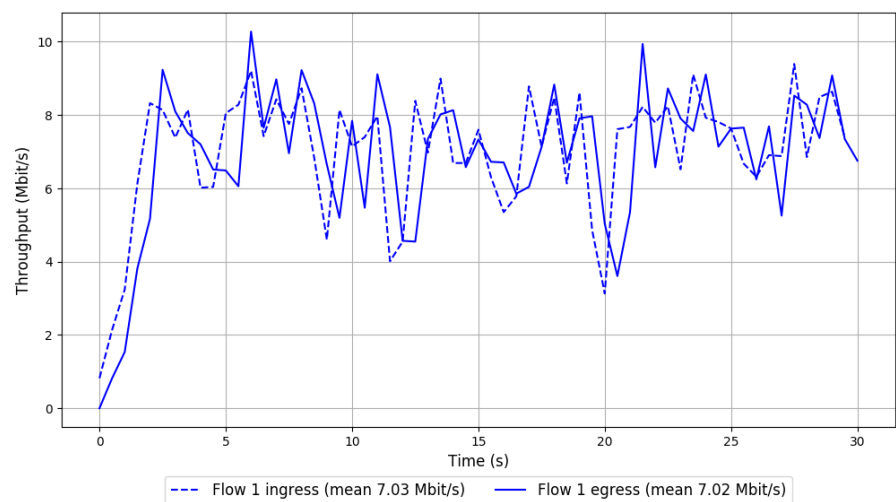


Run 10: Statistics of Sprout

Start at: 2018-05-26 12:18:01
End at: 2018-05-26 12:18:31
Local clock offset: -0.218 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 51.333 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 51.333 ms
Loss rate: 0.46%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-26 09:14:45

End at: 2018-05-26 09:15:15

Local clock offset: -0.251 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.86 Mbit/s

95th percentile per-packet one-way delay: 50.918 ms

Loss rate: 0.37%

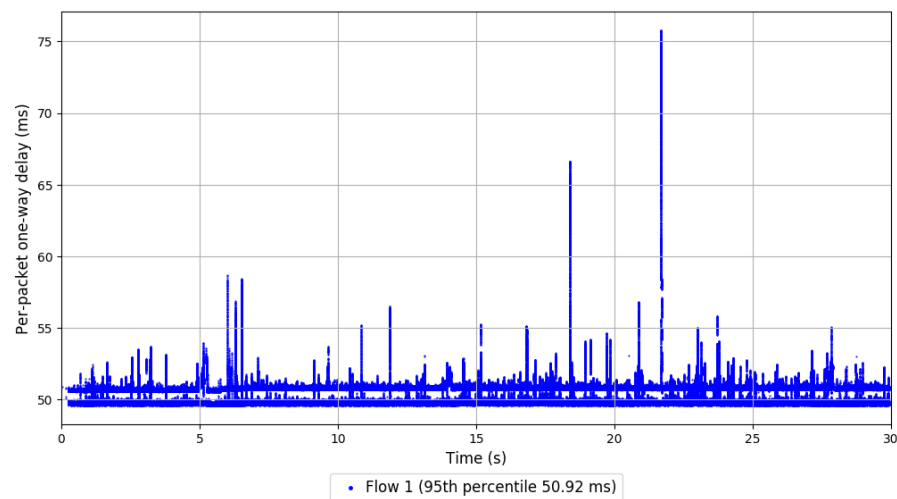
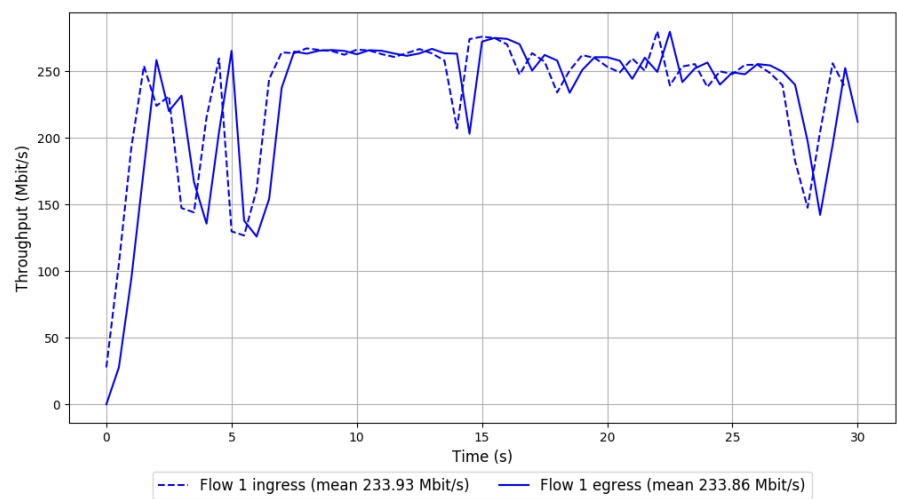
-- Flow 1:

Average throughput: 233.86 Mbit/s

95th percentile per-packet one-way delay: 50.918 ms

Loss rate: 0.37%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-26 09:34:52

End at: 2018-05-26 09:35:22

Local clock offset: -0.212 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.20 Mbit/s

95th percentile per-packet one-way delay: 50.779 ms

Loss rate: 0.35%

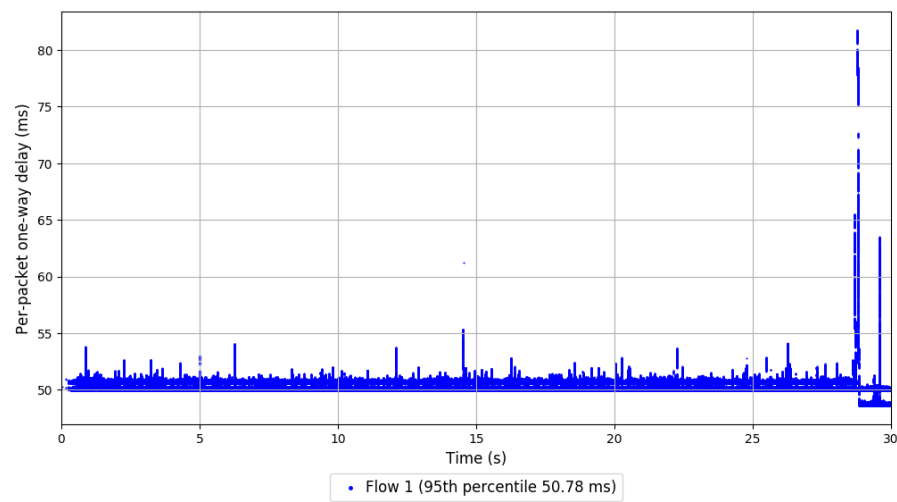
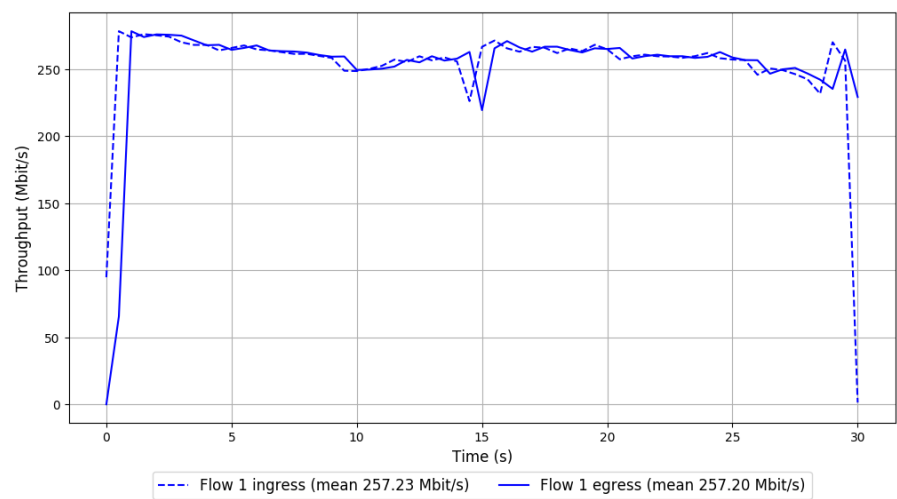
-- Flow 1:

Average throughput: 257.20 Mbit/s

95th percentile per-packet one-way delay: 50.779 ms

Loss rate: 0.35%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-26 09:55:04

End at: 2018-05-26 09:55:34

Local clock offset: -0.26 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-26 13:42:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.50 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.31%

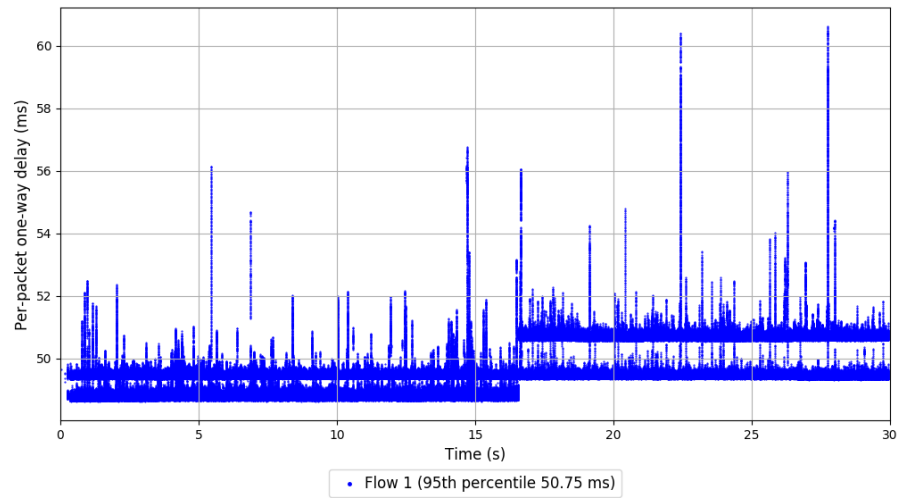
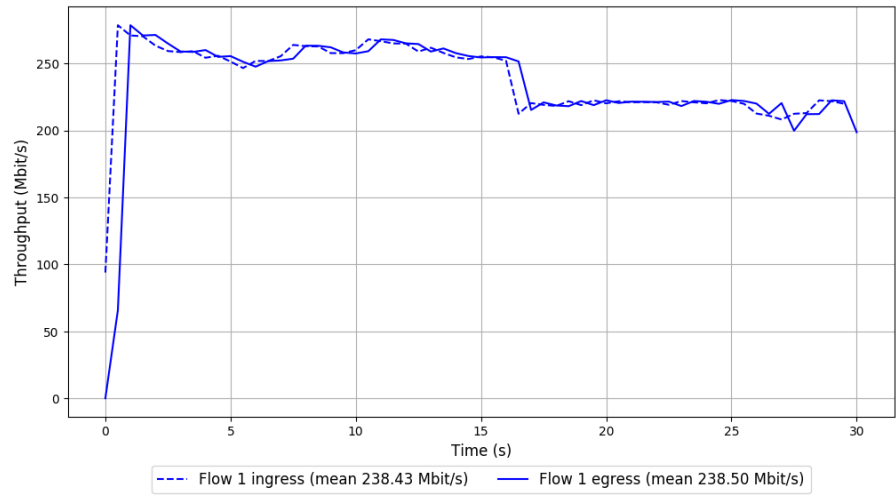
-- Flow 1:

Average throughput: 238.50 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.31%

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

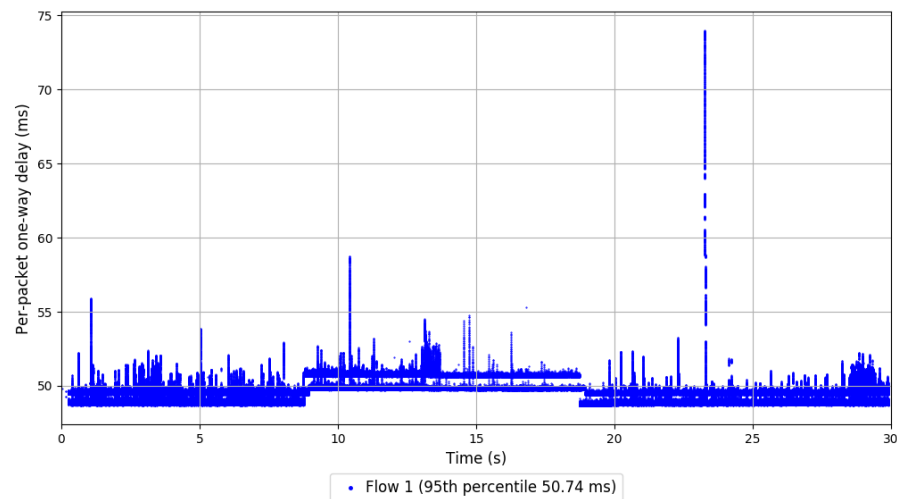
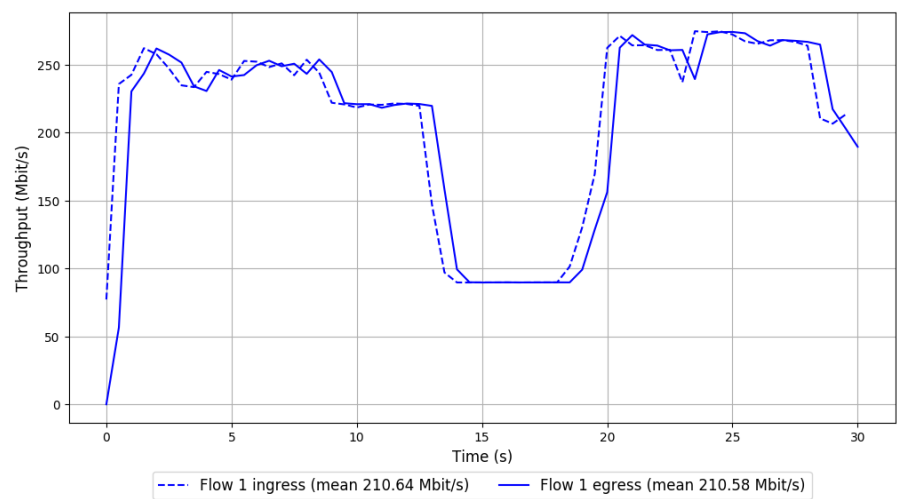


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-26 10:15:22
End at: 2018-05-26 10:15:52
Local clock offset: -0.253 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.58 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 210.58 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.36%

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

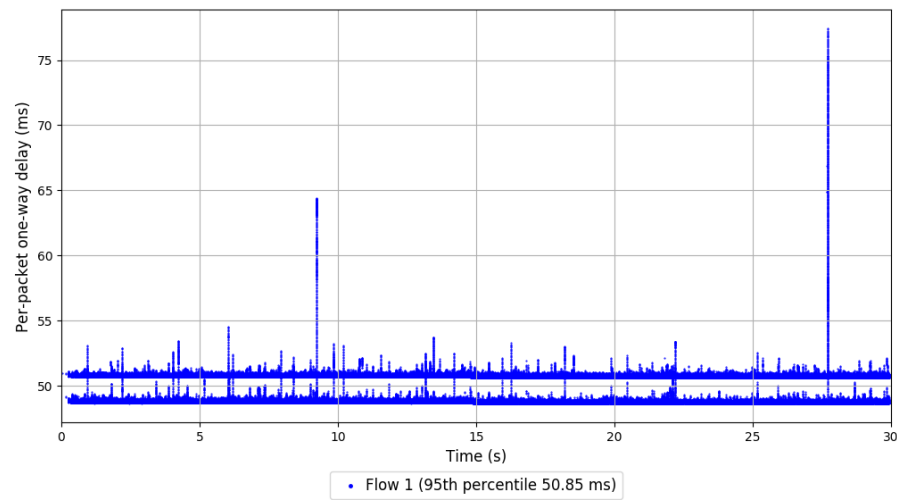
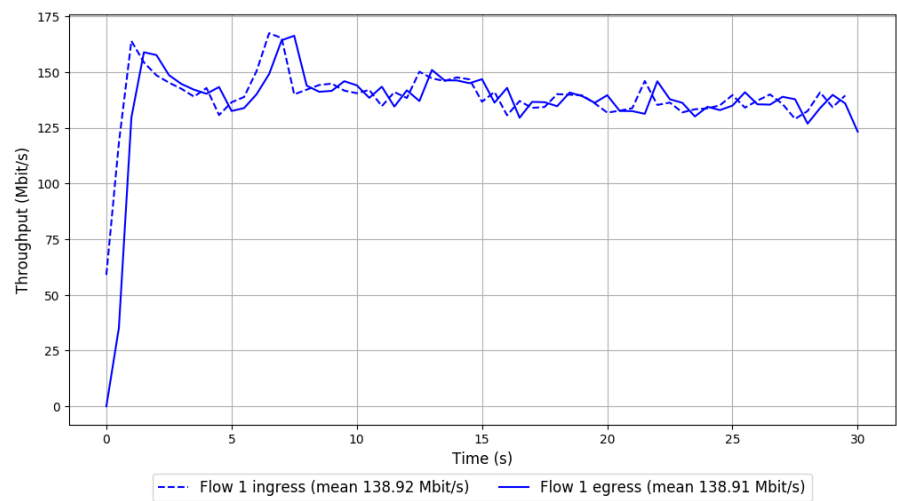


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-26 10:35:36
End at: 2018-05-26 10:36:06
Local clock offset: -0.246 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-26 13:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.91 Mbit/s
95th percentile per-packet one-way delay: 50.846 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 138.91 Mbit/s
95th percentile per-packet one-way delay: 50.846 ms
Loss rate: 0.35%

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

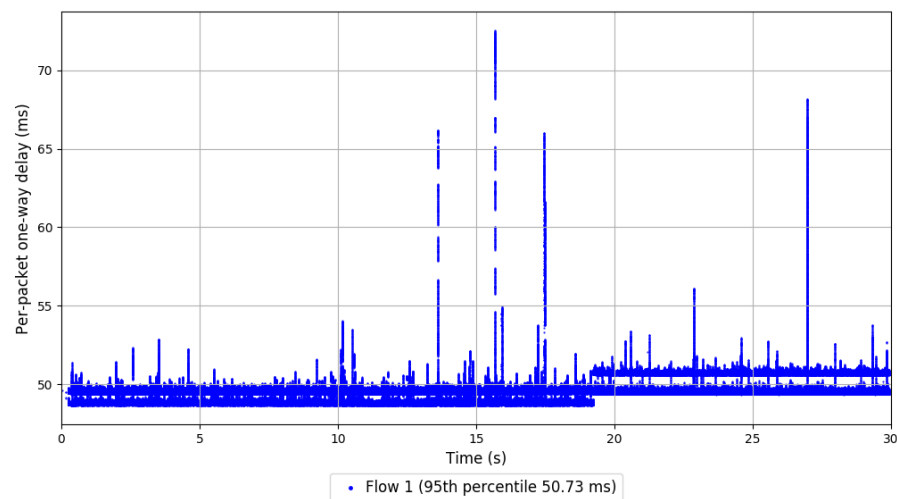
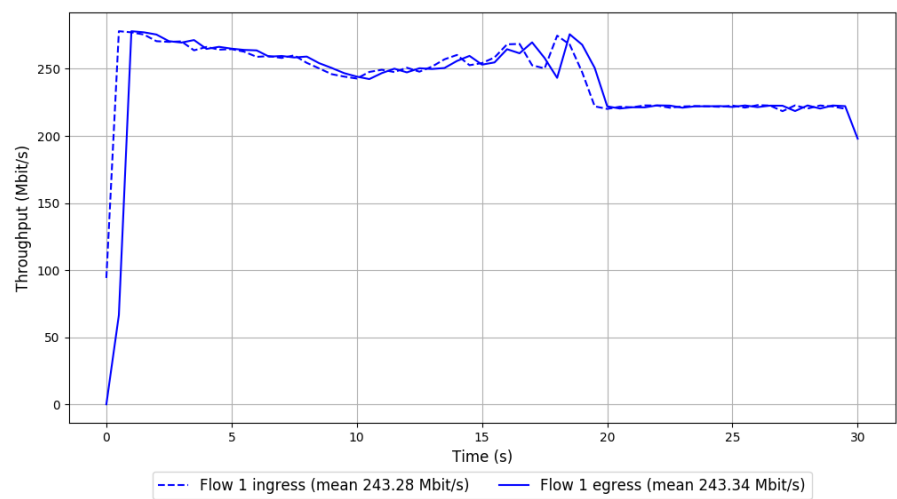


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-26 10:55:31
End at: 2018-05-26 10:56:01
Local clock offset: -0.2 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-26 13:42:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.34 Mbit/s
95th percentile per-packet one-way delay: 50.734 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 243.34 Mbit/s
95th percentile per-packet one-way delay: 50.734 ms
Loss rate: 0.31%

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

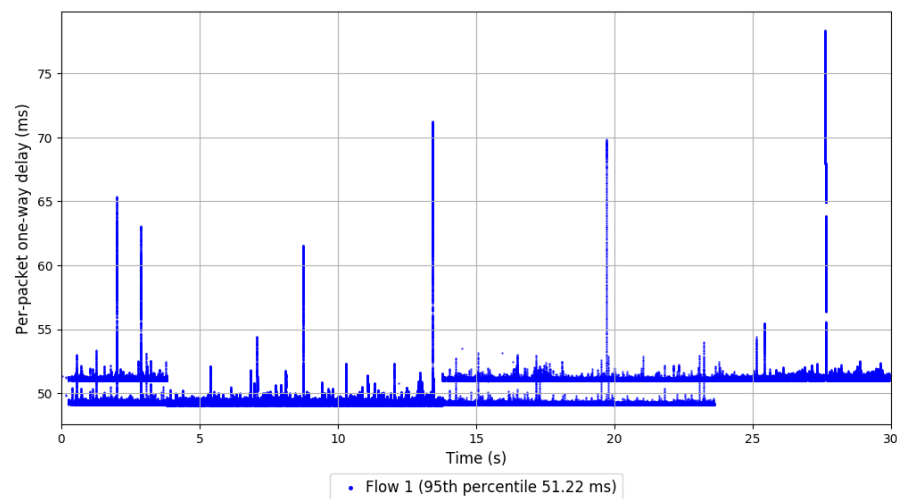
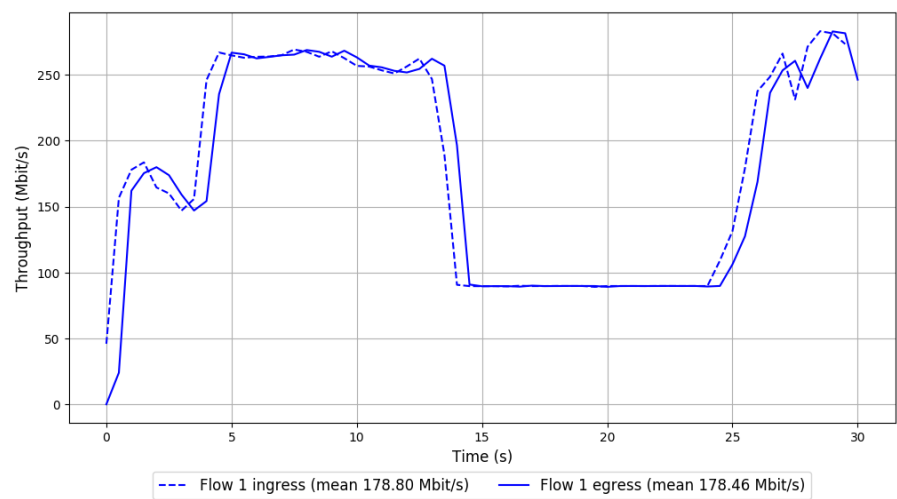


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-26 11:15:47
End at: 2018-05-26 11:16:17
Local clock offset: 0.312 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-26 13:43:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.46 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 178.46 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.52%

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

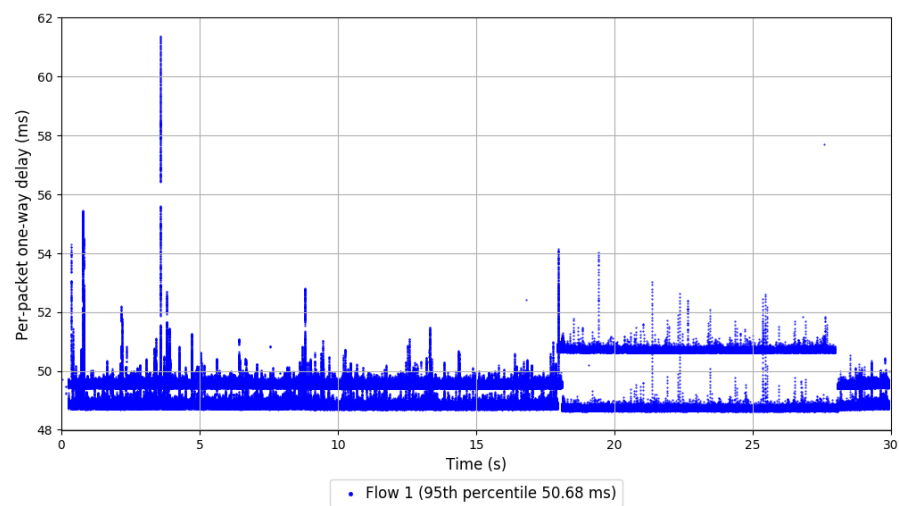
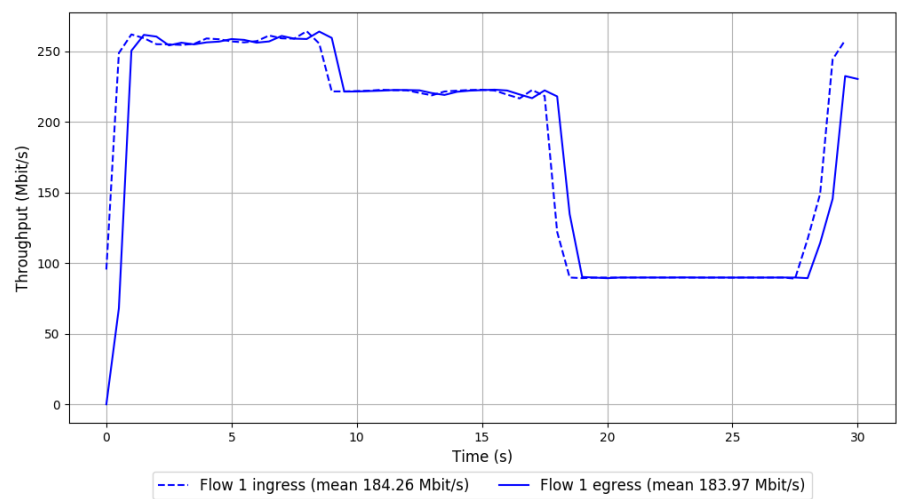


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-26 11:36:12
End at: 2018-05-26 11:36:42
Local clock offset: -0.127 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-26 13:44:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.97 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 183.97 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.49%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-26 11:56:24

End at: 2018-05-26 11:56:54

Local clock offset: -0.201 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-05-26 13:47:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.21 Mbit/s

95th percentile per-packet one-way delay: 50.198 ms

Loss rate: 0.13%

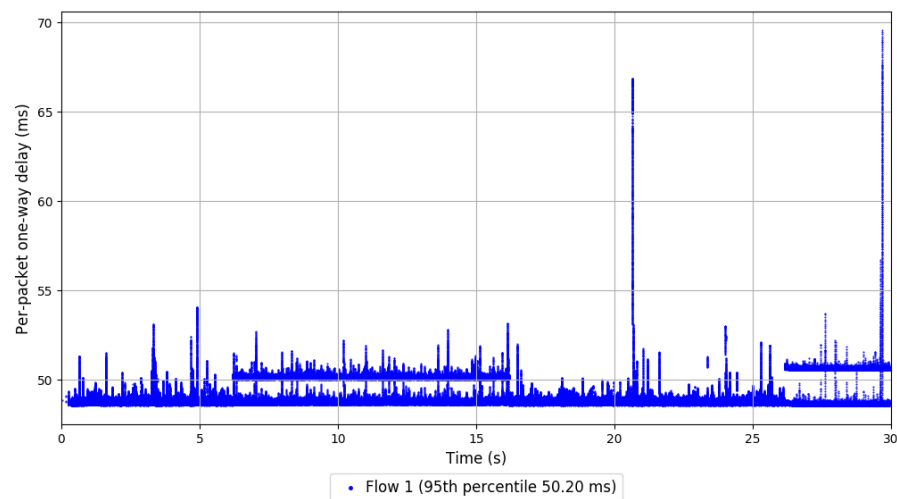
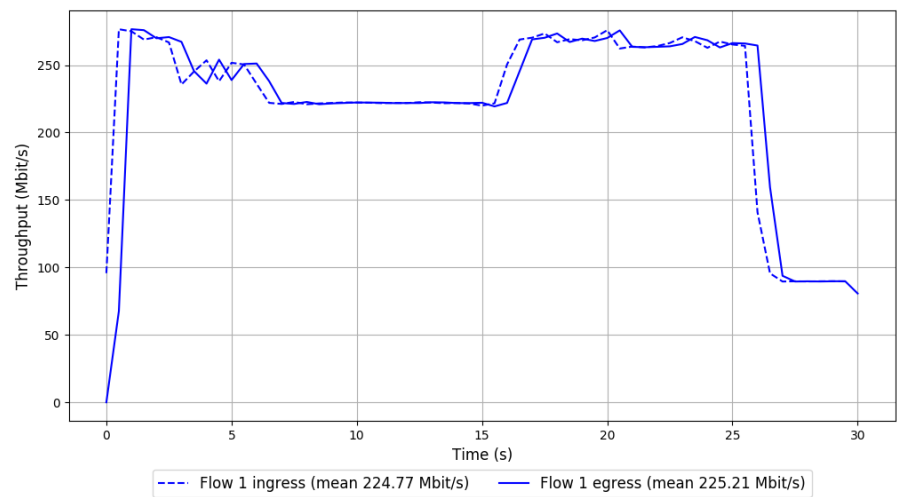
-- Flow 1:

Average throughput: 225.21 Mbit/s

95th percentile per-packet one-way delay: 50.198 ms

Loss rate: 0.13%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-26 12:16:34

End at: 2018-05-26 12:17:04

Local clock offset: -0.6 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-26 13:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.44 Mbit/s

95th percentile per-packet one-way delay: 50.330 ms

Loss rate: 0.34%

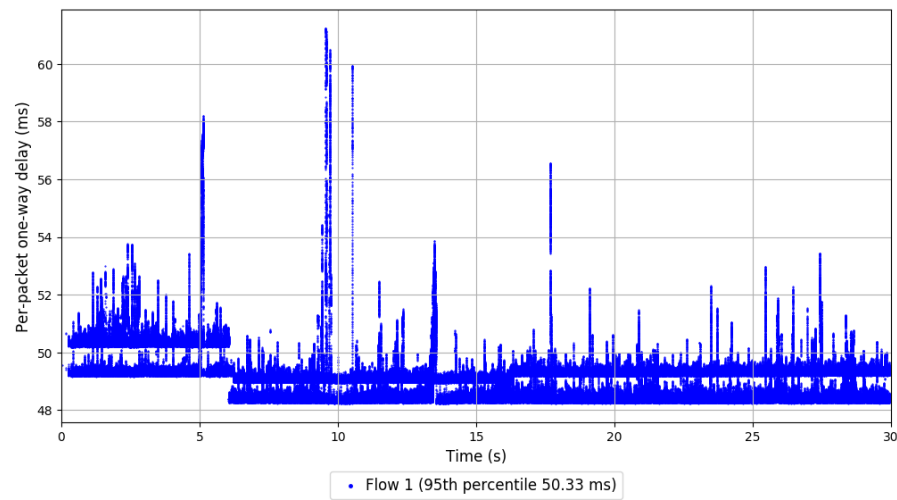
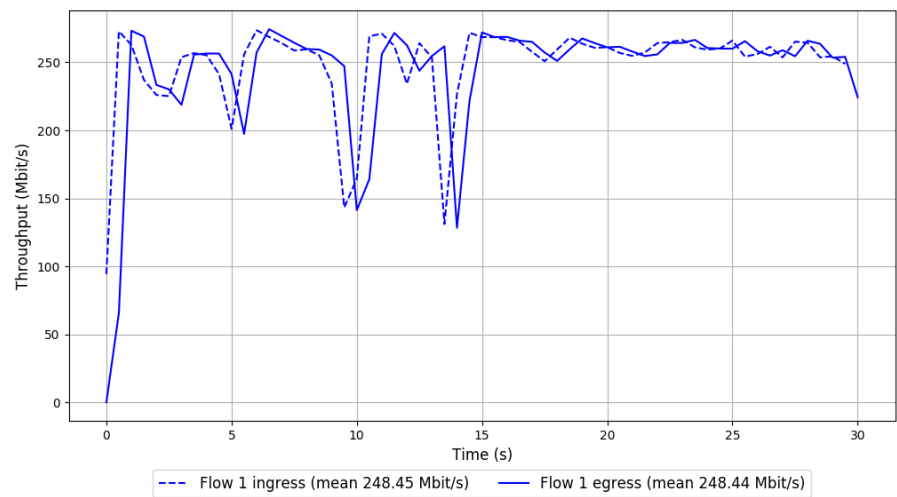
-- Flow 1:

Average throughput: 248.44 Mbit/s

95th percentile per-packet one-way delay: 50.330 ms

Loss rate: 0.34%

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

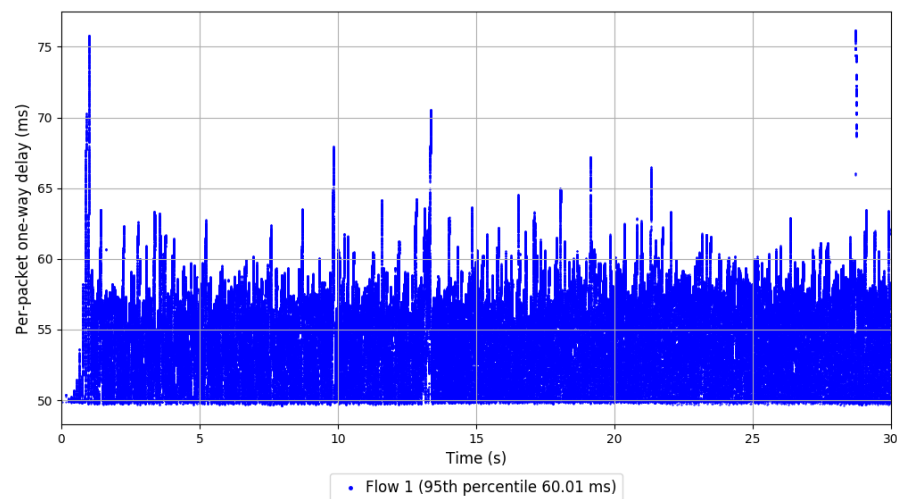
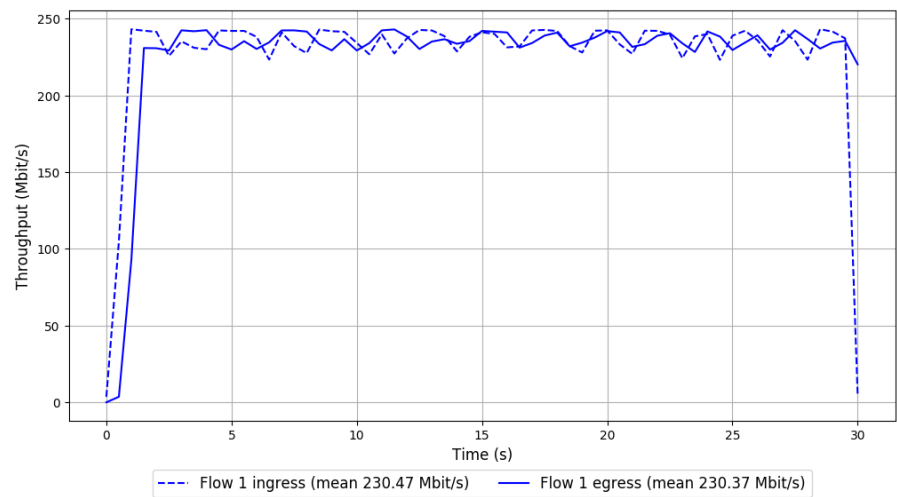


Run 1: Statistics of TCP Vegas

Start at: 2018-05-26 09:13:29
End at: 2018-05-26 09:13:59
Local clock offset: -0.267 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.37 Mbit/s
95th percentile per-packet one-way delay: 60.007 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 230.37 Mbit/s
95th percentile per-packet one-way delay: 60.007 ms
Loss rate: 0.38%

Run 1: Report of TCP Vegas — Data Link

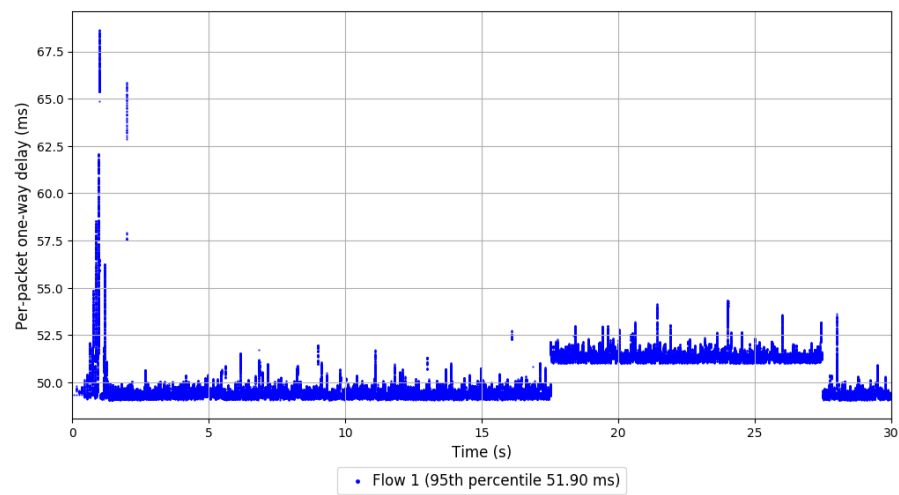
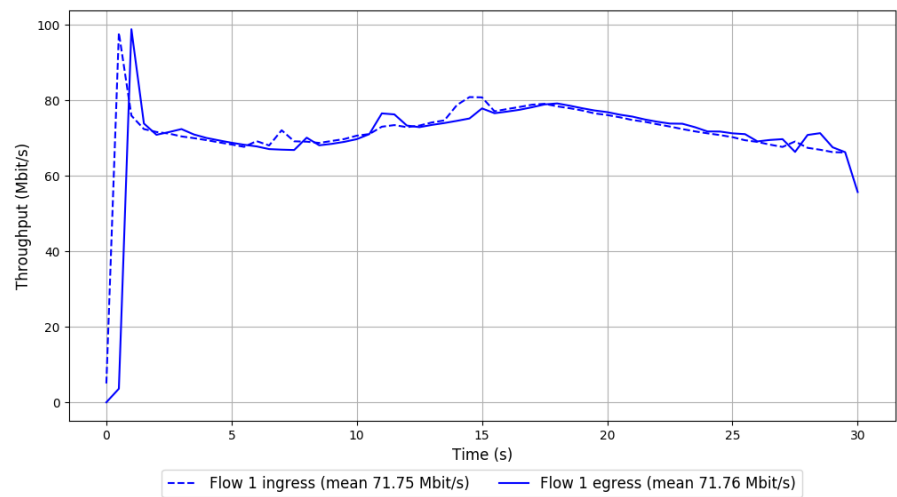


Run 2: Statistics of TCP Vegas

Start at: 2018-05-26 09:33:43
End at: 2018-05-26 09:34:13
Local clock offset: 0.203 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.76 Mbit/s
95th percentile per-packet one-way delay: 51.900 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 71.76 Mbit/s
95th percentile per-packet one-way delay: 51.900 ms
Loss rate: 0.31%

Run 2: Report of TCP Vegas — Data Link

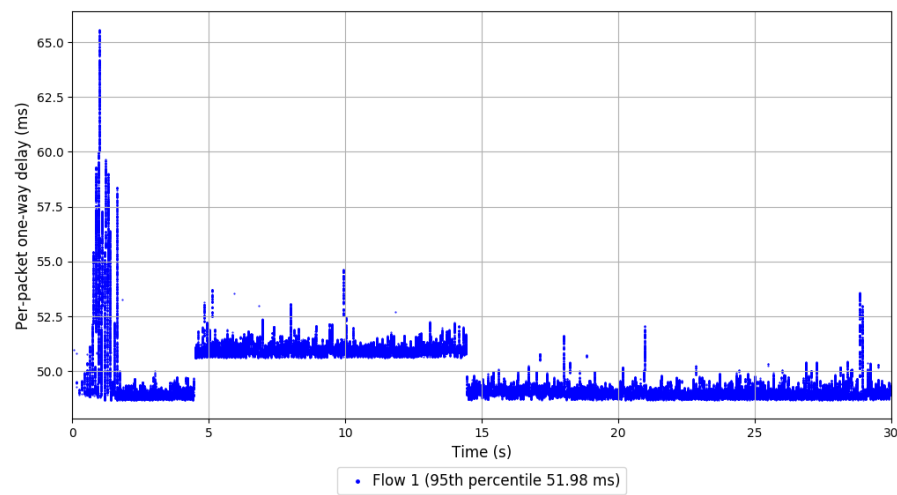
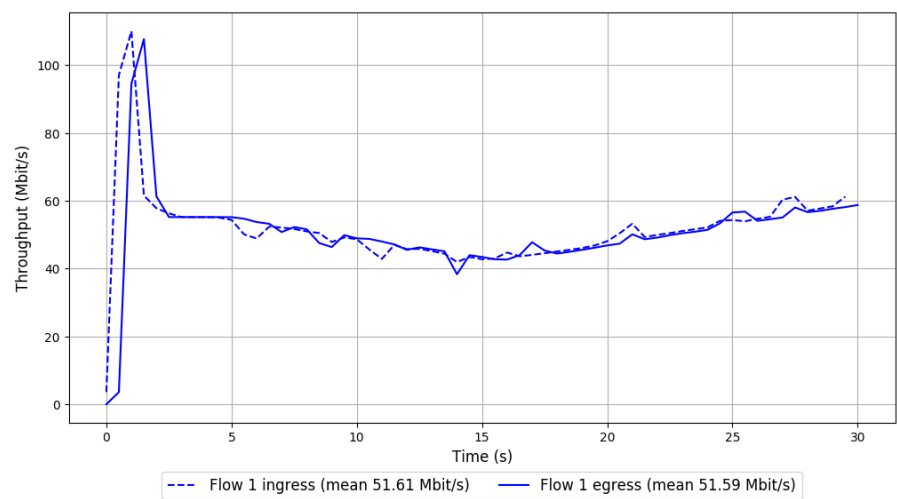


Run 3: Statistics of TCP Vegas

Start at: 2018-05-26 09:53:56
End at: 2018-05-26 09:54:26
Local clock offset: -0.219 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 51.985 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 51.985 ms
Loss rate: 0.38%

Run 3: Report of TCP Vegas — Data Link

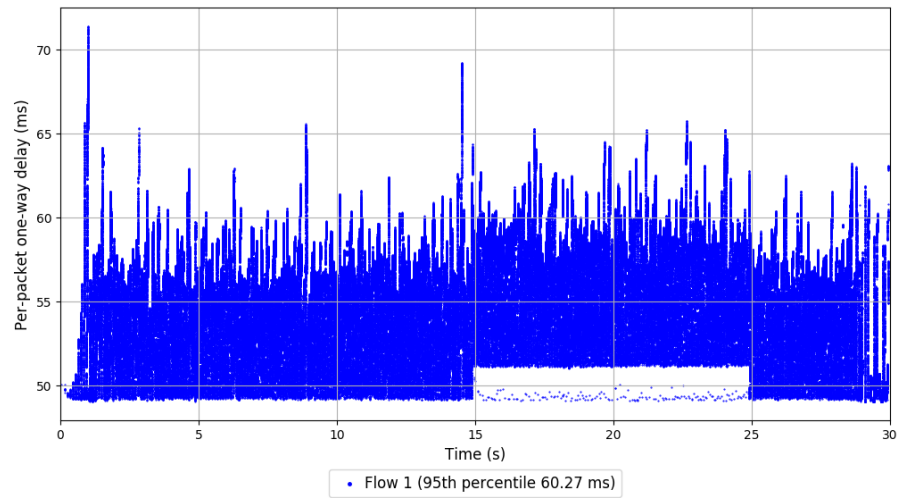
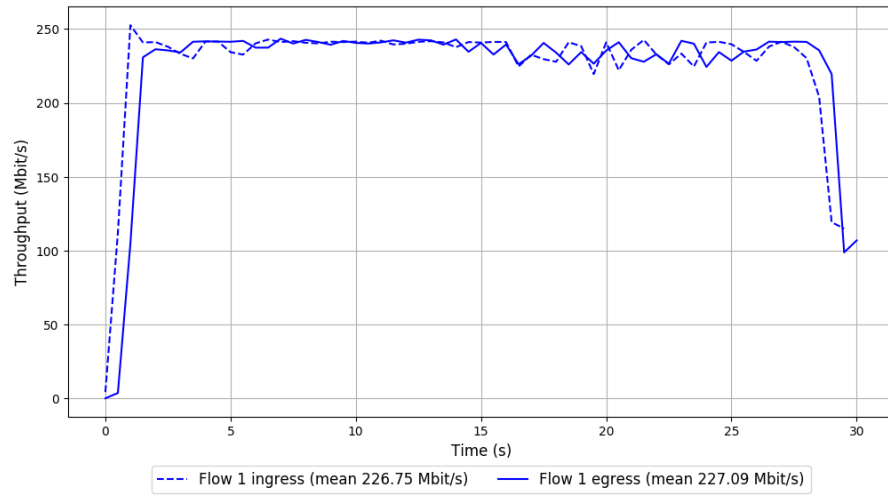


Run 4: Statistics of TCP Vegas

Start at: 2018-05-26 10:14:05
End at: 2018-05-26 10:14:35
Local clock offset: 0.132 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.09 Mbit/s
95th percentile per-packet one-way delay: 60.271 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 227.09 Mbit/s
95th percentile per-packet one-way delay: 60.271 ms
Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-26 10:34:25

End at: 2018-05-26 10:34:55

Local clock offset: -0.638 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-26 13:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 51.172 ms

Loss rate: 0.28%

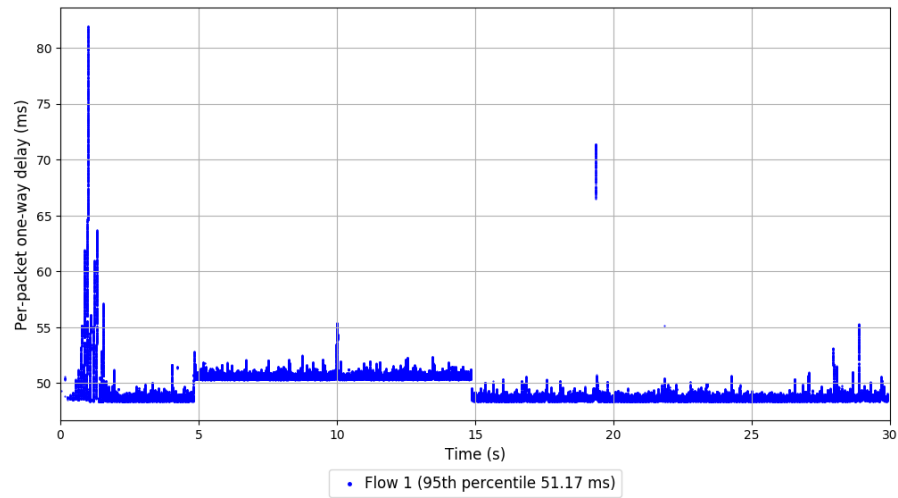
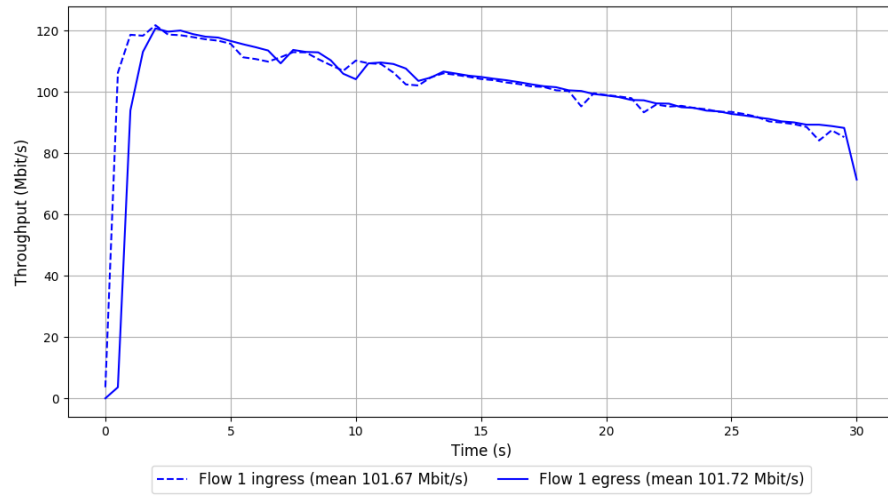
-- Flow 1:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 51.172 ms

Loss rate: 0.28%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-26 10:54:22

End at: 2018-05-26 10:54:52

Local clock offset: -0.198 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-26 13:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 50.782 ms

Loss rate: 0.36%

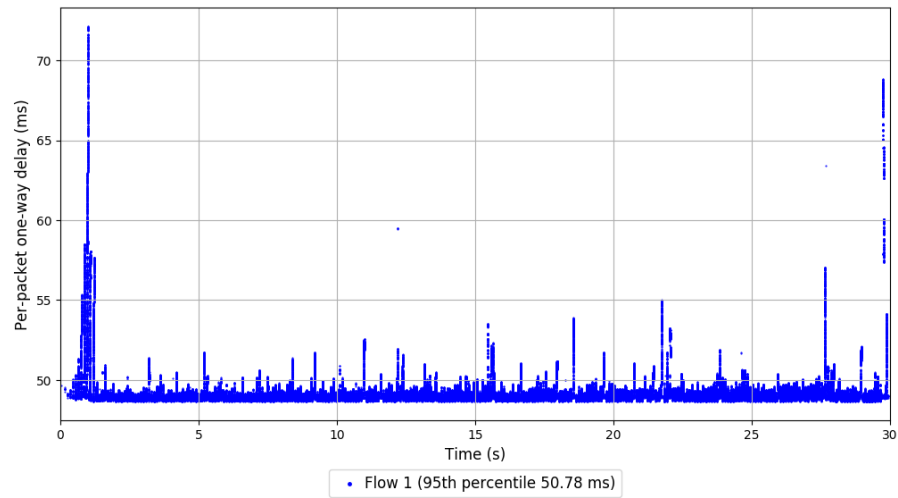
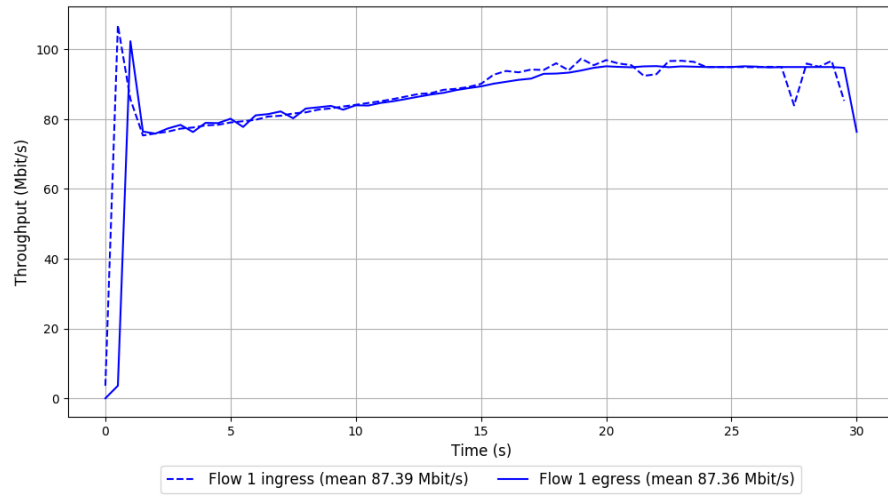
-- Flow 1:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 50.782 ms

Loss rate: 0.36%

Run 6: Report of TCP Vegas — Data Link

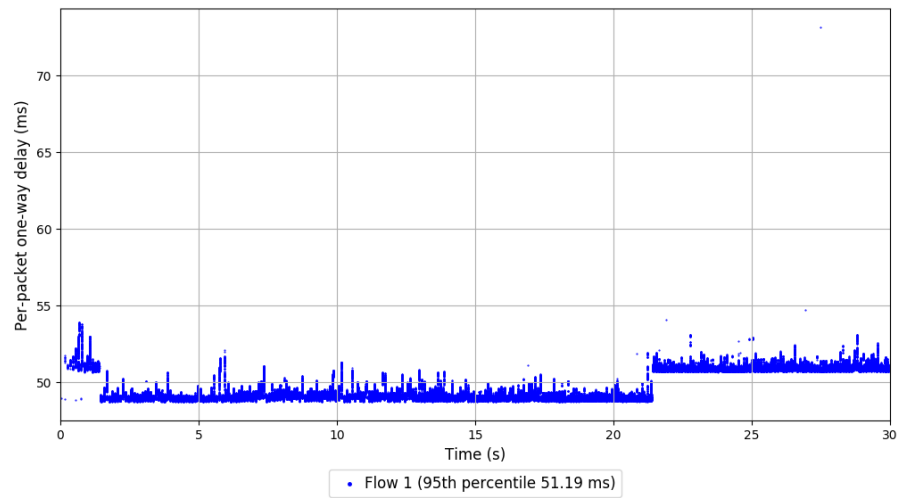
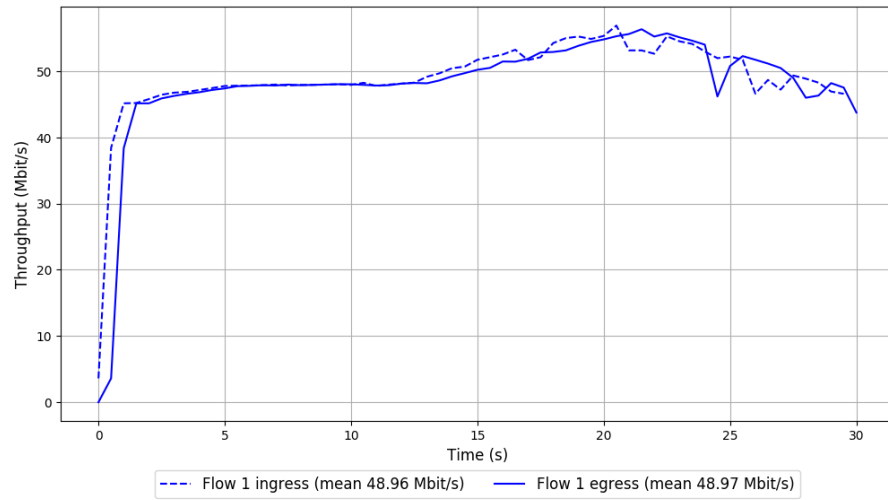


Run 7: Statistics of TCP Vegas

Start at: 2018-05-26 11:14:39
End at: 2018-05-26 11:15:09
Local clock offset: -0.079 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 51.191 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 51.191 ms
Loss rate: 0.32%

Run 7: Report of TCP Vegas — Data Link

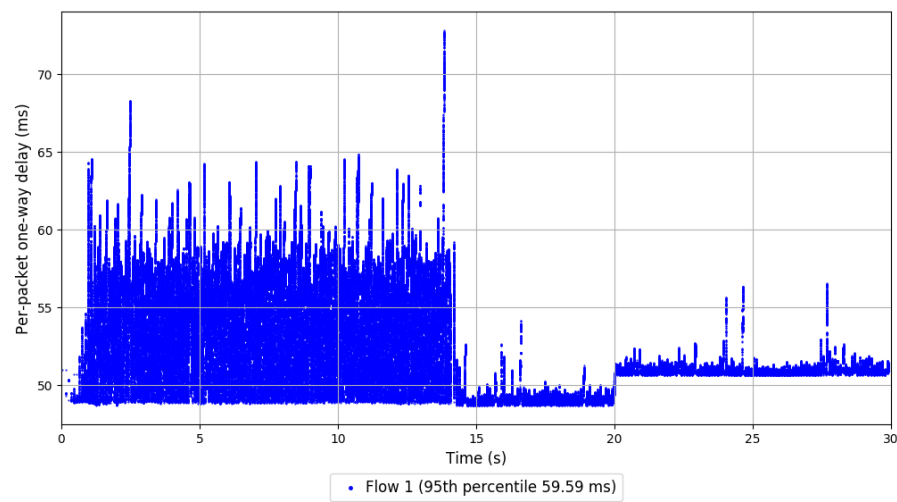
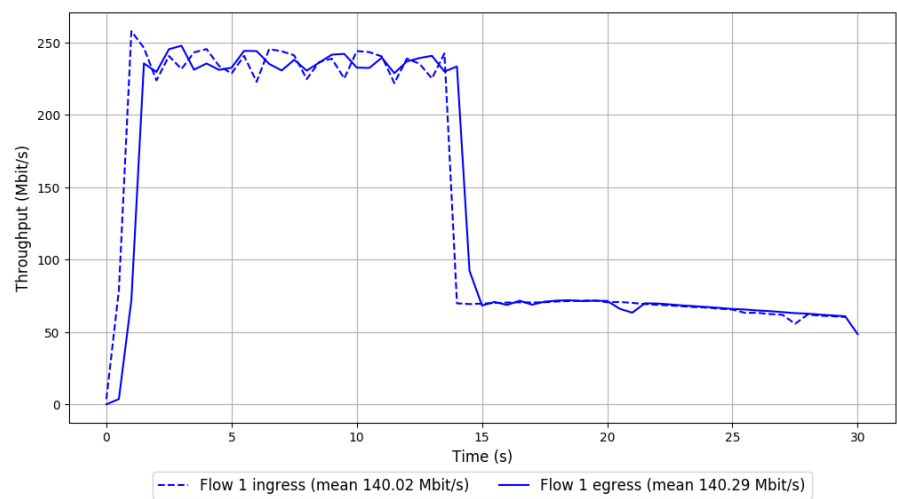


Run 8: Statistics of TCP Vegas

Start at: 2018-05-26 11:35:00
End at: 2018-05-26 11:35:30
Local clock offset: -0.105 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.29 Mbit/s
95th percentile per-packet one-way delay: 59.587 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 140.29 Mbit/s
95th percentile per-packet one-way delay: 59.587 ms
Loss rate: 0.14%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-26 11:55:11

End at: 2018-05-26 11:55:41

Local clock offset: -0.146 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-26 13:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.09 Mbit/s

95th percentile per-packet one-way delay: 51.228 ms

Loss rate: 0.17%

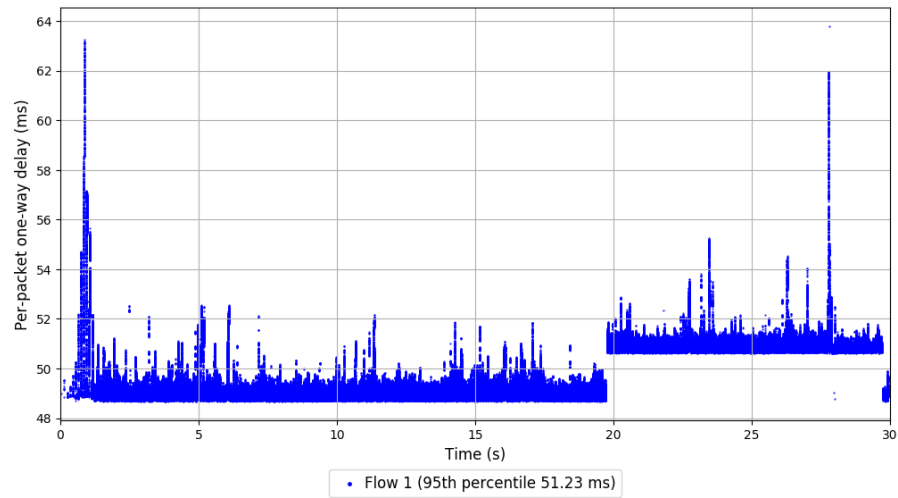
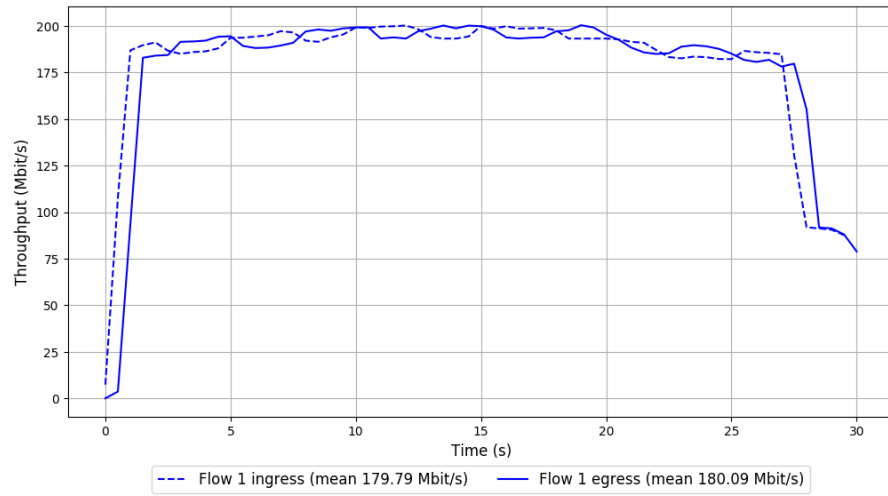
-- Flow 1:

Average throughput: 180.09 Mbit/s

95th percentile per-packet one-way delay: 51.228 ms

Loss rate: 0.17%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-26 12:15:23

End at: 2018-05-26 12:15:53

Local clock offset: -0.509 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-26 13:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.74 Mbit/s

95th percentile per-packet one-way delay: 49.596 ms

Loss rate: 0.33%

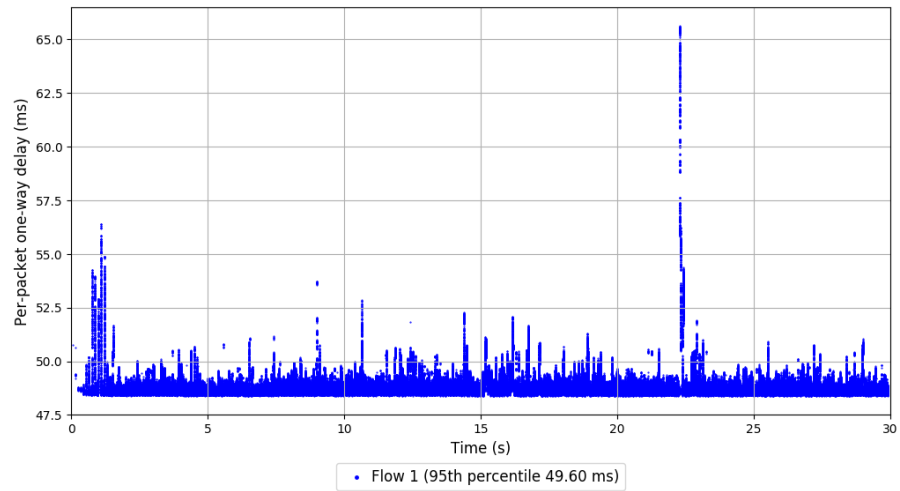
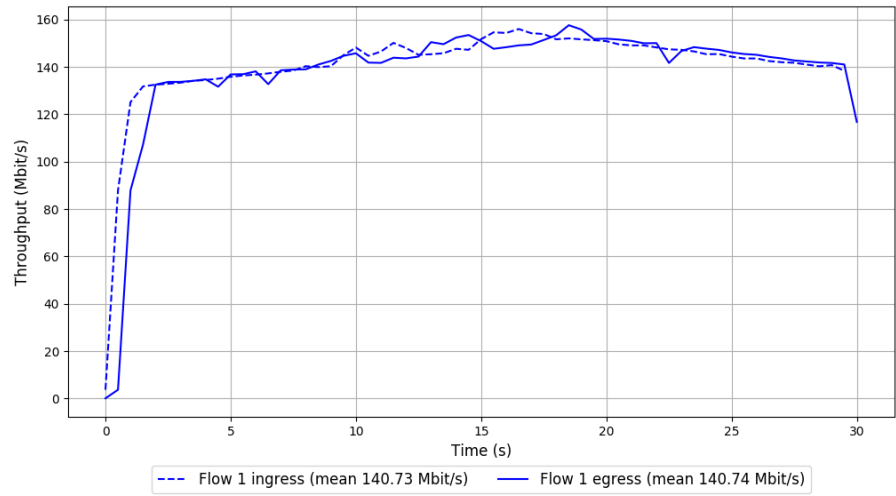
-- Flow 1:

Average throughput: 140.74 Mbit/s

95th percentile per-packet one-way delay: 49.596 ms

Loss rate: 0.33%

Run 10: Report of TCP Vegas — Data Link

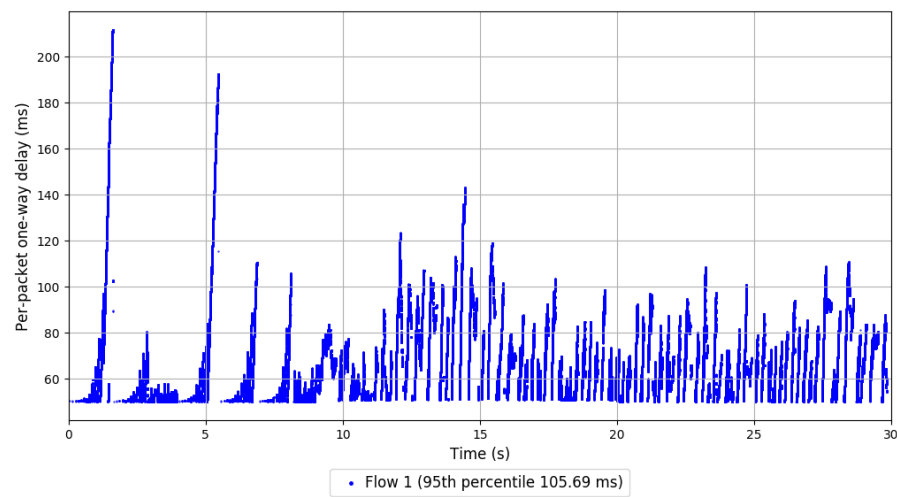
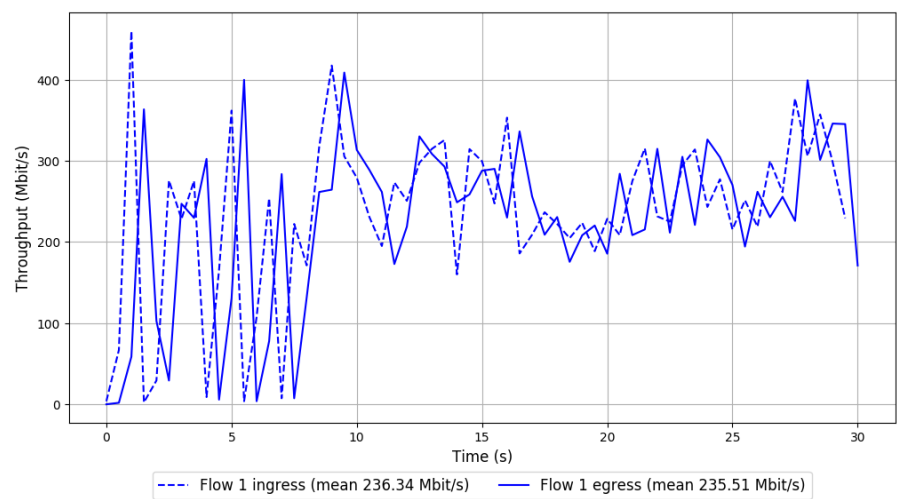


Run 1: Statistics of Verus

Start at: 2018-05-26 09:21:10
End at: 2018-05-26 09:21:40
Local clock offset: 0.174 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-26 13:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: 105.687 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: 105.687 ms
Loss rate: 0.69%

Run 1: Report of Verus — Data Link

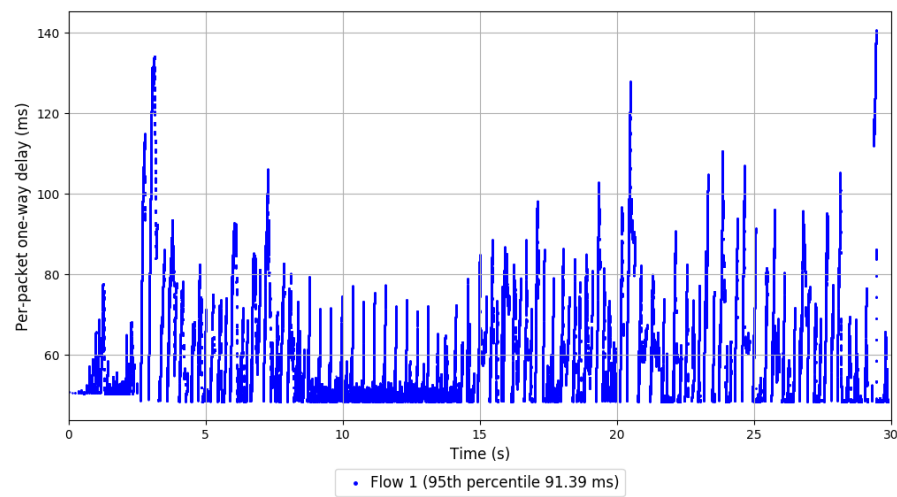
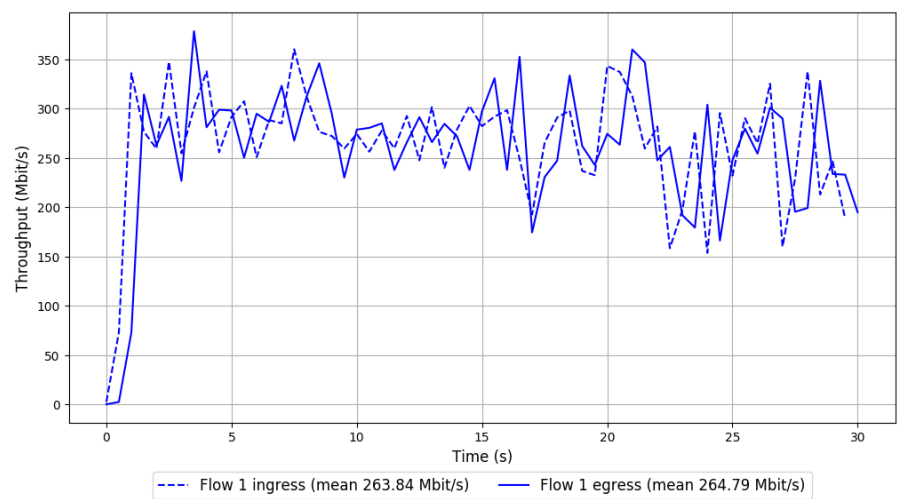


Run 2: Statistics of Verus

Start at: 2018-05-26 09:41:18
End at: 2018-05-26 09:41:48
Local clock offset: -0.55 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-26 13:49:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.79 Mbit/s
95th percentile per-packet one-way delay: 91.394 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 264.79 Mbit/s
95th percentile per-packet one-way delay: 91.394 ms
Loss rate: 0.16%

Run 2: Report of Verus — Data Link

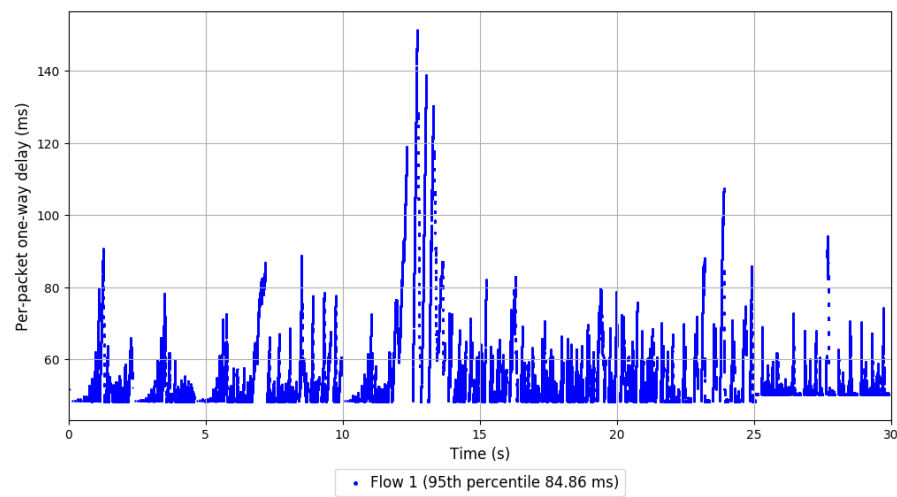
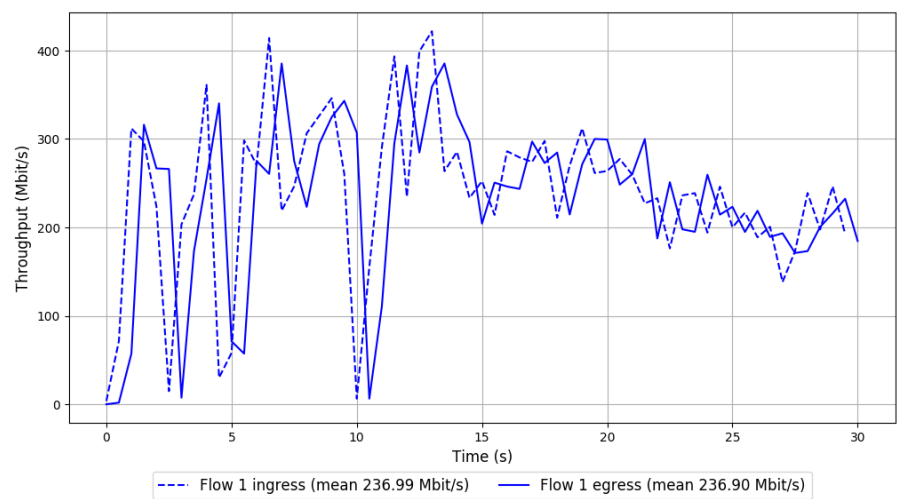


Run 3: Statistics of Verus

Start at: 2018-05-26 10:01:25
End at: 2018-05-26 10:01:55
Local clock offset: -0.617 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-26 13:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.90 Mbit/s
95th percentile per-packet one-way delay: 84.861 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 236.90 Mbit/s
95th percentile per-packet one-way delay: 84.861 ms
Loss rate: 0.30%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-26 10:21:46

End at: 2018-05-26 10:22:16

Local clock offset: -0.241 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-05-26 13:50:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.94 Mbit/s

95th percentile per-packet one-way delay: 93.762 ms

Loss rate: 0.11%

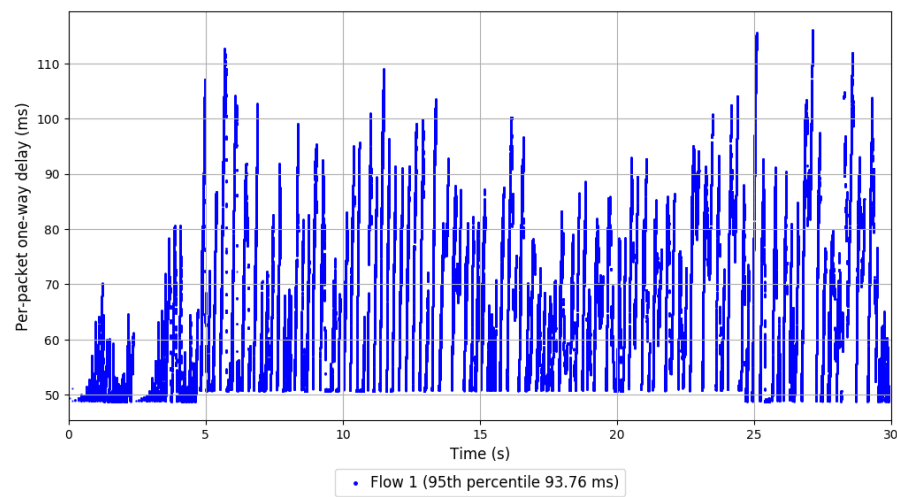
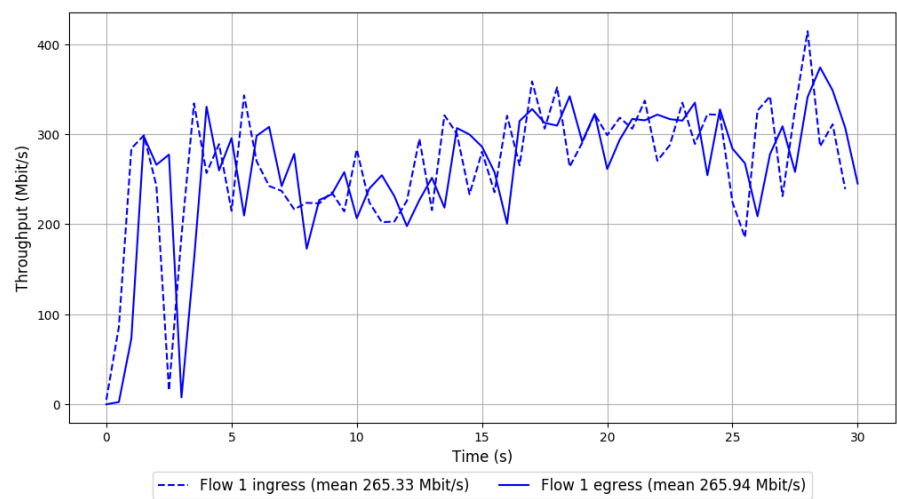
-- Flow 1:

Average throughput: 265.94 Mbit/s

95th percentile per-packet one-way delay: 93.762 ms

Loss rate: 0.11%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-26 10:41:52

End at: 2018-05-26 10:42:22

Local clock offset: -0.616 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-26 13:50:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.86 Mbit/s

95th percentile per-packet one-way delay: 95.147 ms

Loss rate: 0.46%

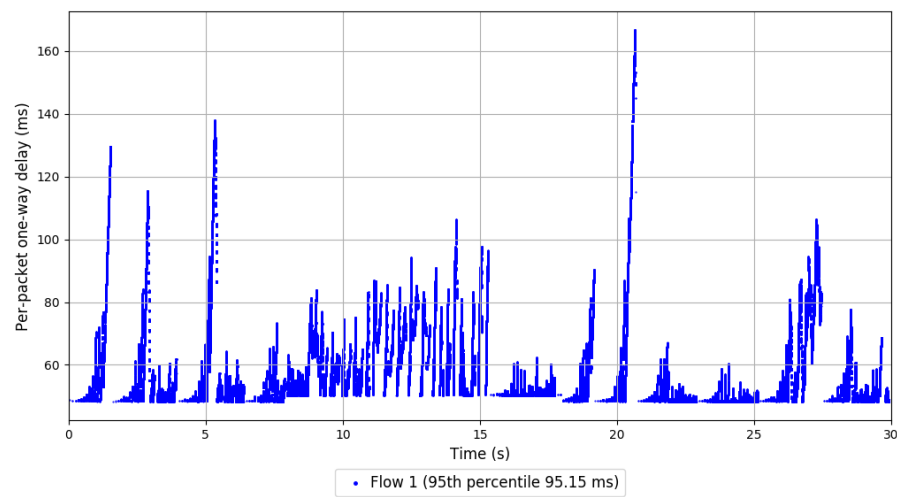
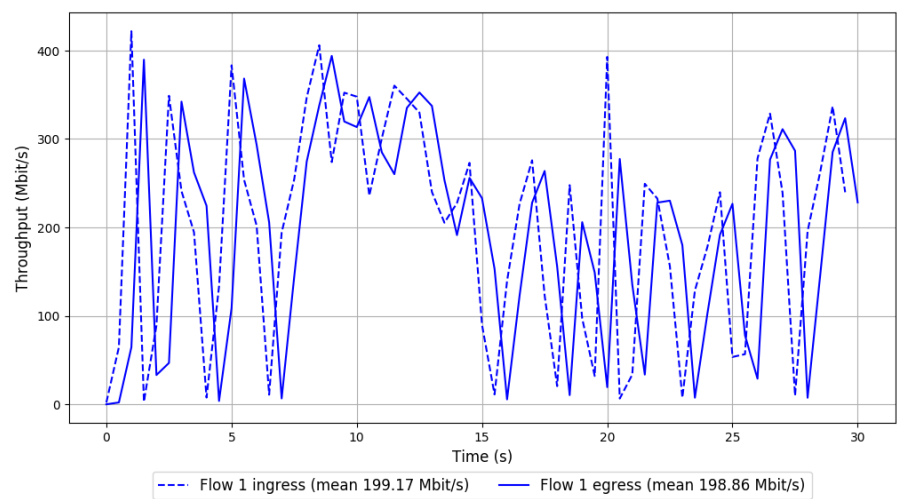
-- Flow 1:

Average throughput: 198.86 Mbit/s

95th percentile per-packet one-way delay: 95.147 ms

Loss rate: 0.46%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-26 11:01:54

End at: 2018-05-26 11:02:24

Local clock offset: -0.126 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-05-26 13:52:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.77 Mbit/s

95th percentile per-packet one-way delay: 107.349 ms

Loss rate: 0.27%

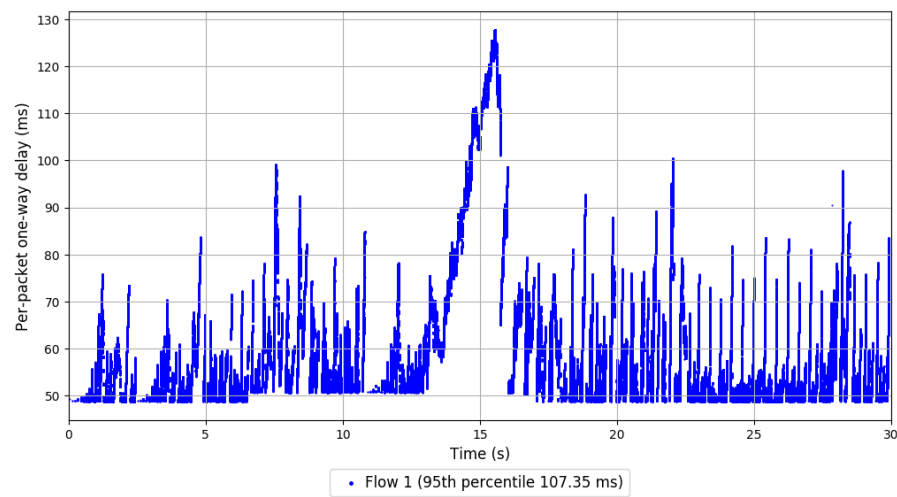
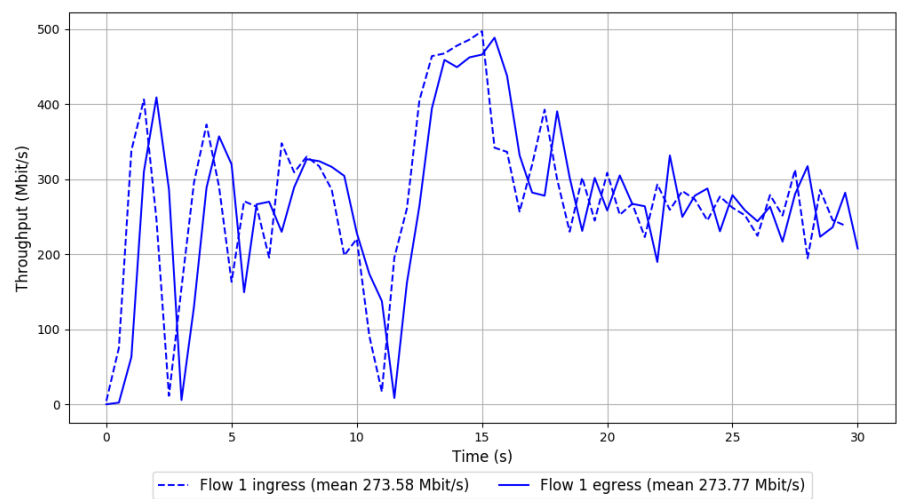
-- Flow 1:

Average throughput: 273.77 Mbit/s

95th percentile per-packet one-way delay: 107.349 ms

Loss rate: 0.27%

Run 6: Report of Verus — Data Link

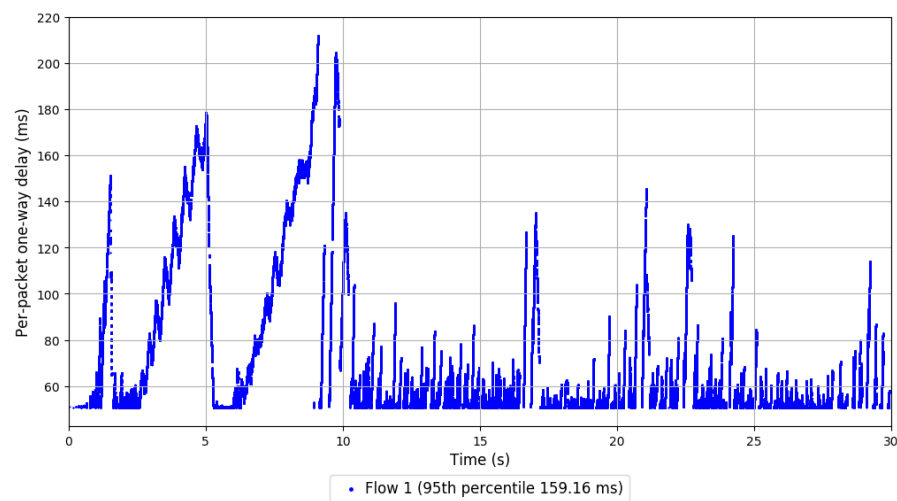
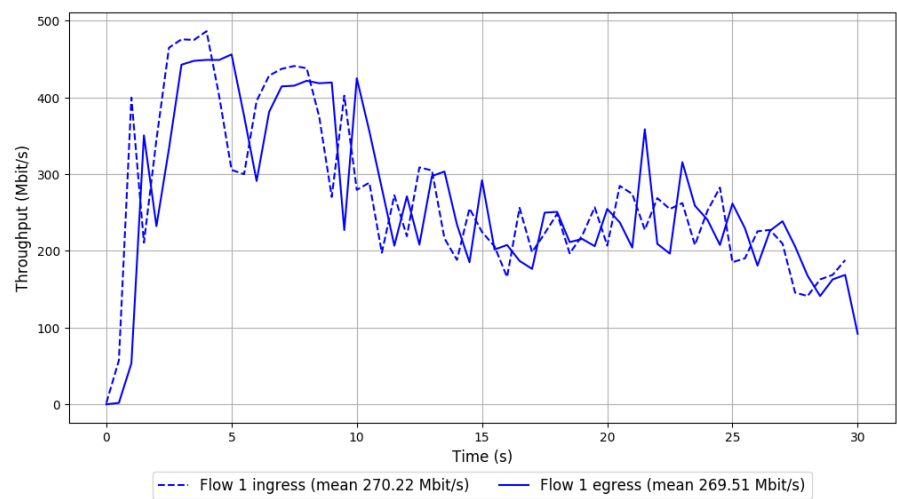


Run 7: Statistics of Verus

Start at: 2018-05-26 11:22:10
End at: 2018-05-26 11:22:40
Local clock offset: -0.107 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-26 13:52:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.51 Mbit/s
95th percentile per-packet one-way delay: 159.162 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 269.51 Mbit/s
95th percentile per-packet one-way delay: 159.162 ms
Loss rate: 0.60%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-26 11:42:31

End at: 2018-05-26 11:43:01

Local clock offset: 0.245 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-05-26 13:52:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.20 Mbit/s

95th percentile per-packet one-way delay: 97.949 ms

Loss rate: 0.14%

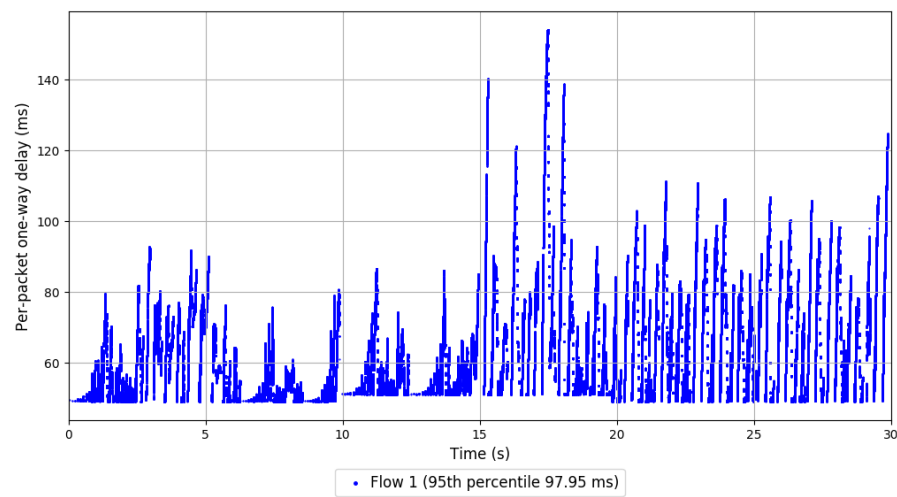
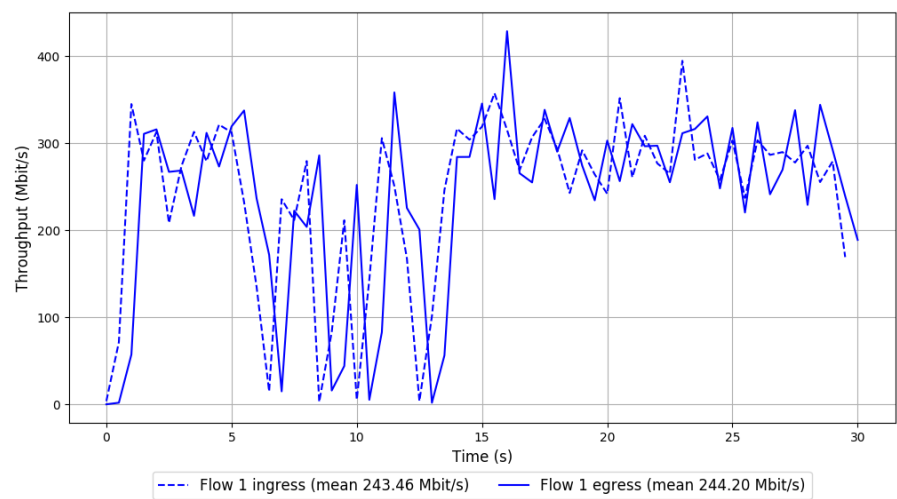
-- Flow 1:

Average throughput: 244.20 Mbit/s

95th percentile per-packet one-way delay: 97.949 ms

Loss rate: 0.14%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-26 12:02:40

End at: 2018-05-26 12:03:10

Local clock offset: -0.169 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-05-26 13:52:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.38 Mbit/s

95th percentile per-packet one-way delay: 106.772 ms

Loss rate: 0.11%

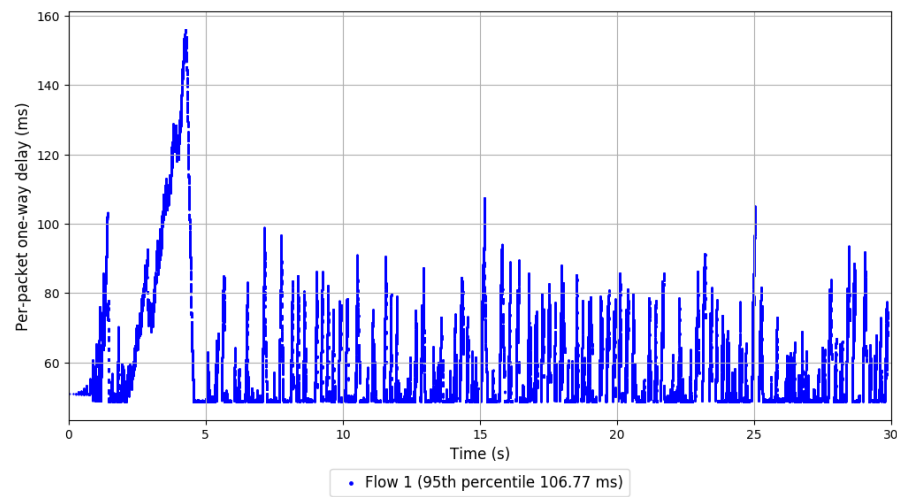
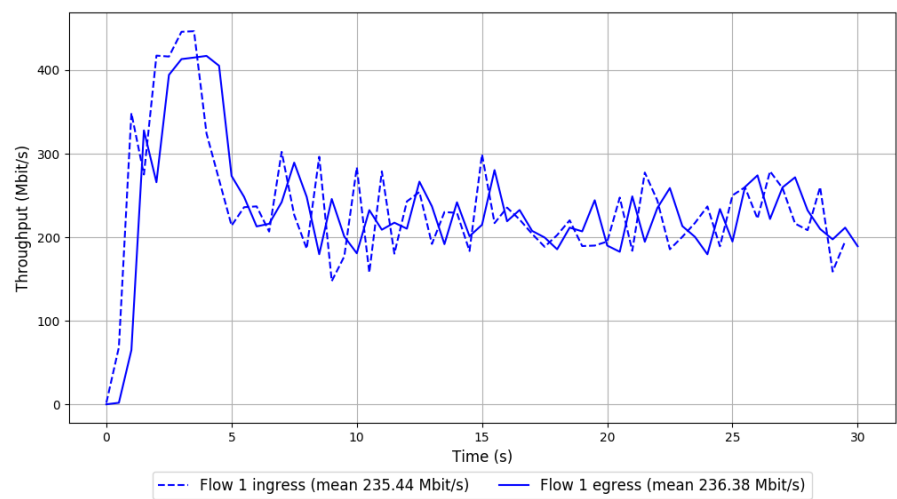
-- Flow 1:

Average throughput: 236.38 Mbit/s

95th percentile per-packet one-way delay: 106.772 ms

Loss rate: 0.11%

Run 9: Report of Verus — Data Link

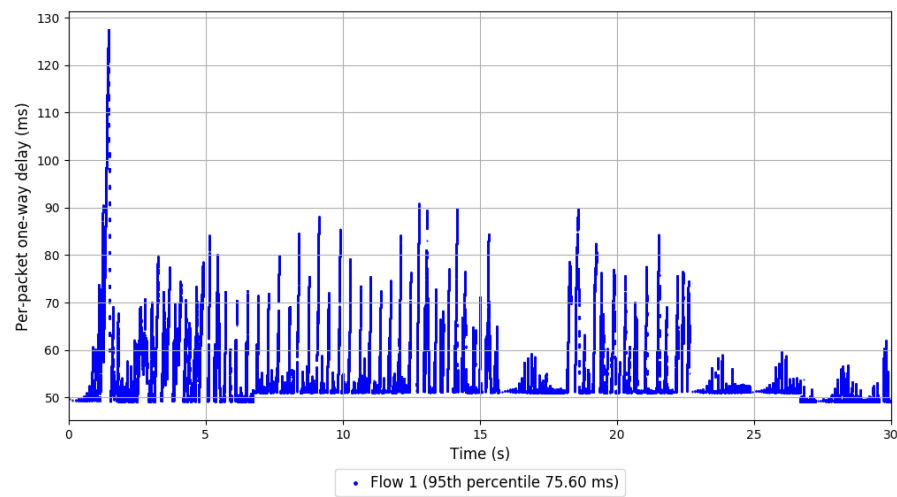
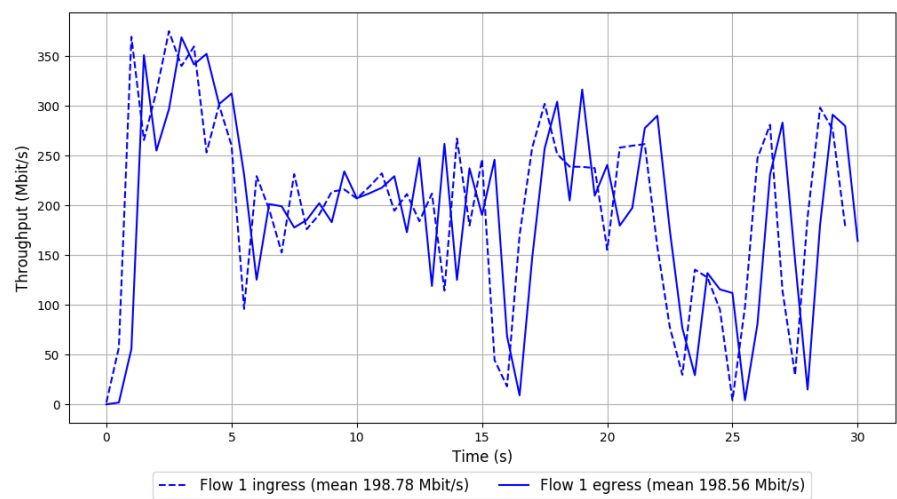


Run 10: Statistics of Verus

Start at: 2018-05-26 12:23:04
End at: 2018-05-26 12:23:34
Local clock offset: 0.205 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-26 13:52:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.56 Mbit/s
95th percentile per-packet one-way delay: 75.600 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 198.56 Mbit/s
95th percentile per-packet one-way delay: 75.600 ms
Loss rate: 0.34%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-26 09:07:33

End at: 2018-05-26 09:08:03

Local clock offset: -0.741 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-26 13:54:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.17 Mbit/s

95th percentile per-packet one-way delay: 50.390 ms

Loss rate: 0.36%

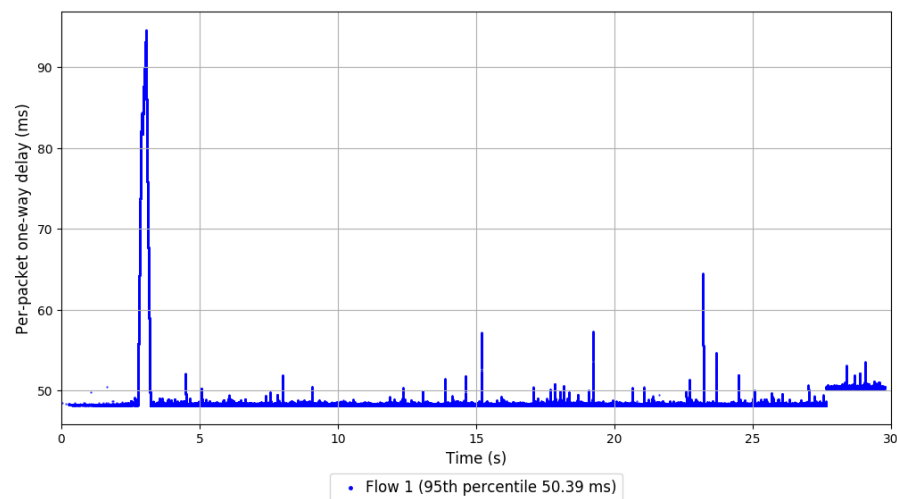
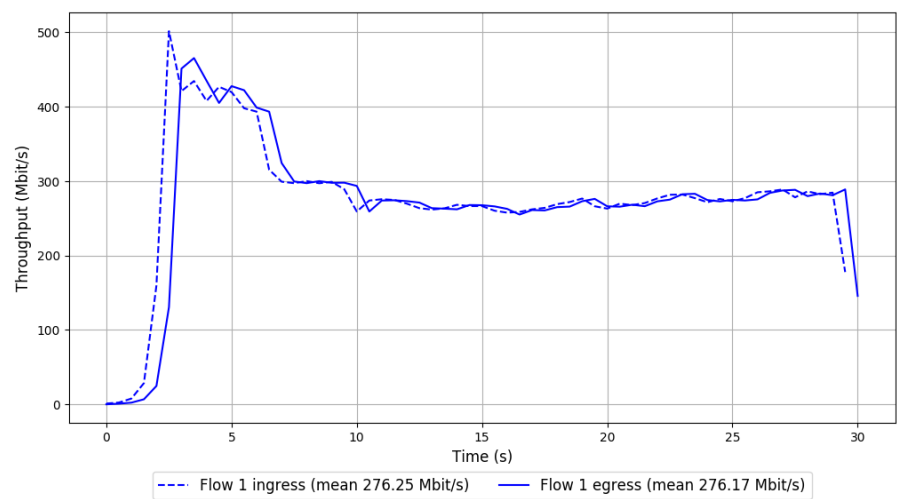
-- Flow 1:

Average throughput: 276.17 Mbit/s

95th percentile per-packet one-way delay: 50.390 ms

Loss rate: 0.36%

Run 1: Report of PCC-Vivace — Data Link

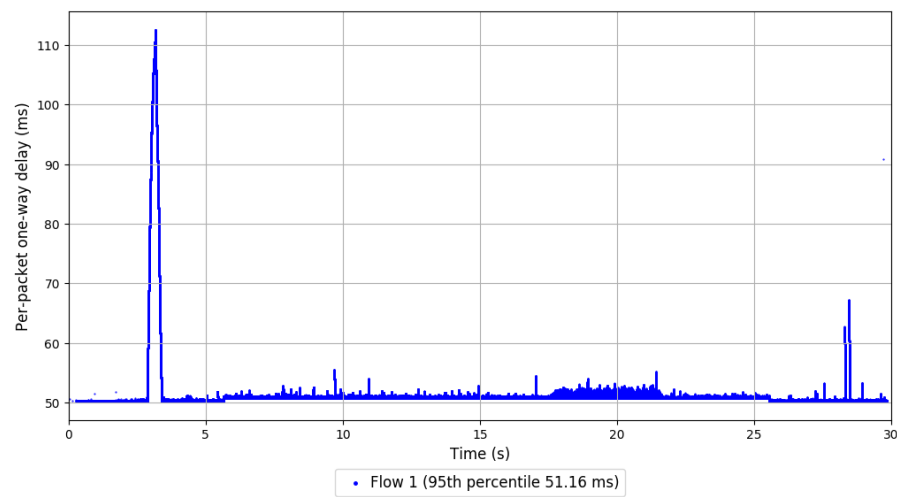
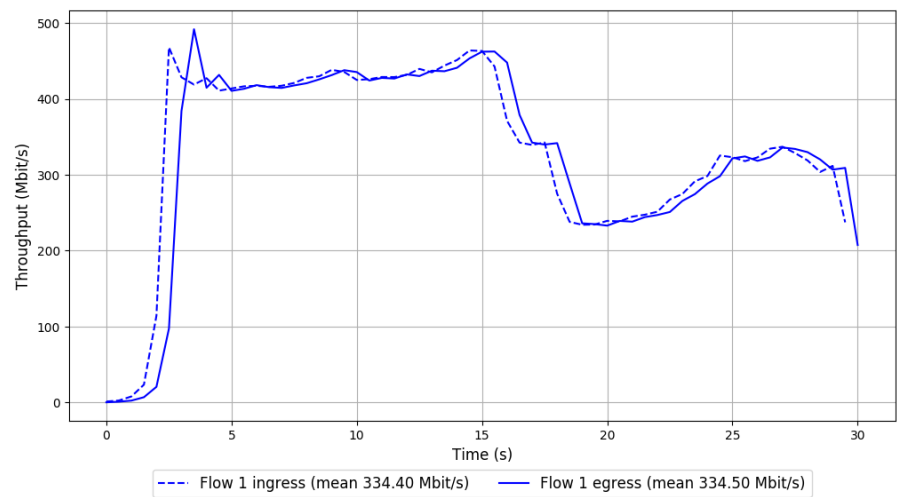


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-26 09:27:35
End at: 2018-05-26 09:28:05
Local clock offset: 0.195 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-26 13:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.50 Mbit/s
95th percentile per-packet one-way delay: 51.162 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 334.50 Mbit/s
95th percentile per-packet one-way delay: 51.162 ms
Loss rate: 0.31%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-26 09:47:45

End at: 2018-05-26 09:48:15

Local clock offset: -0.266 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-26 13:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.94 Mbit/s

95th percentile per-packet one-way delay: 50.831 ms

Loss rate: 0.28%

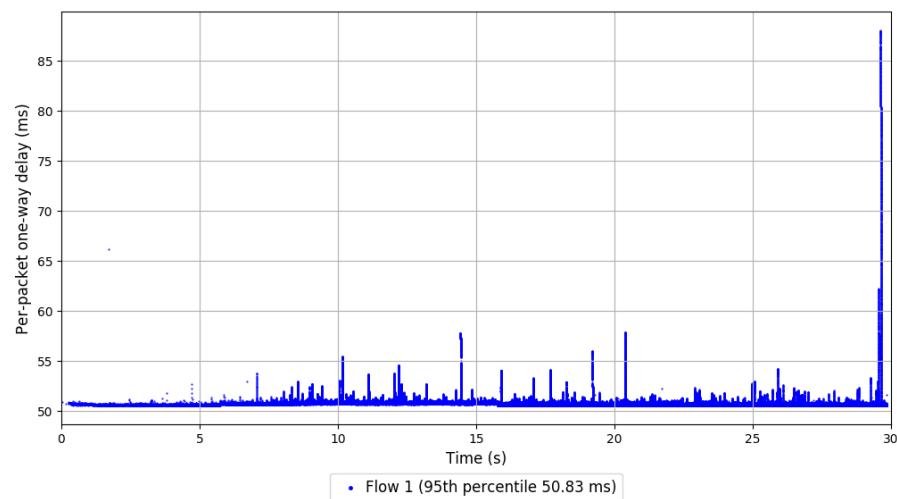
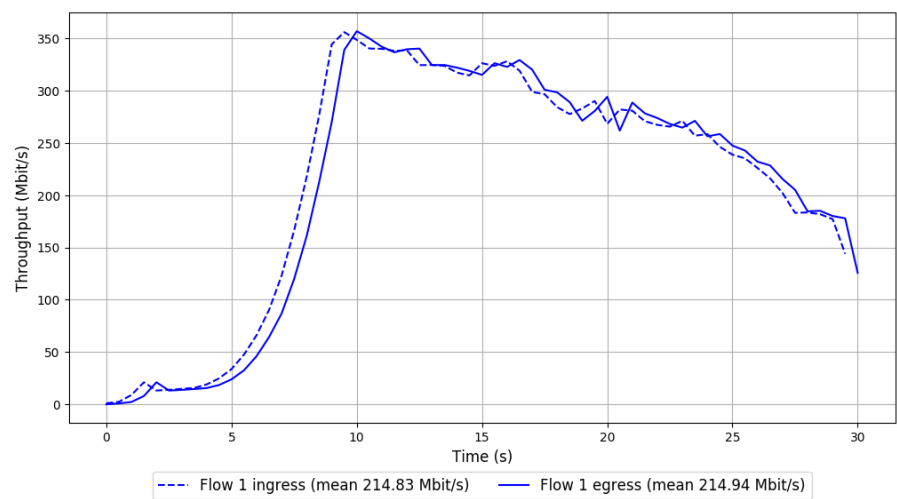
-- Flow 1:

Average throughput: 214.94 Mbit/s

95th percentile per-packet one-way delay: 50.831 ms

Loss rate: 0.28%

Run 3: Report of PCC-Vivace — Data Link

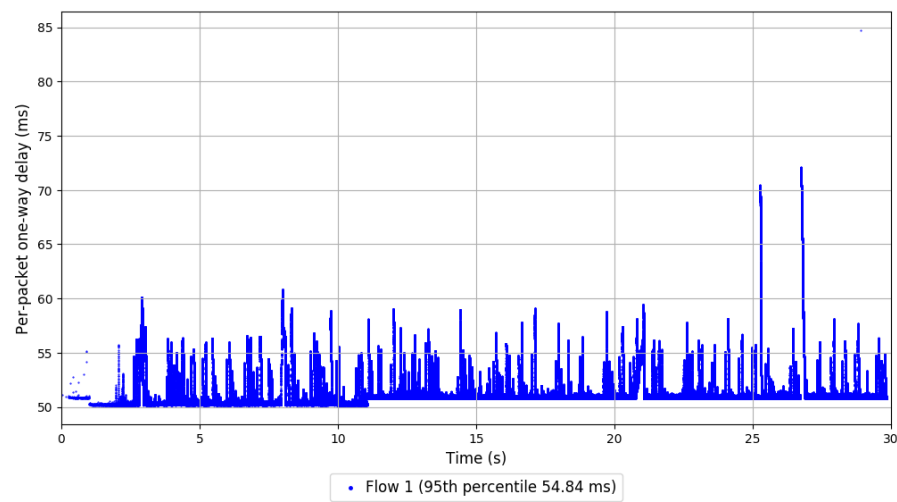
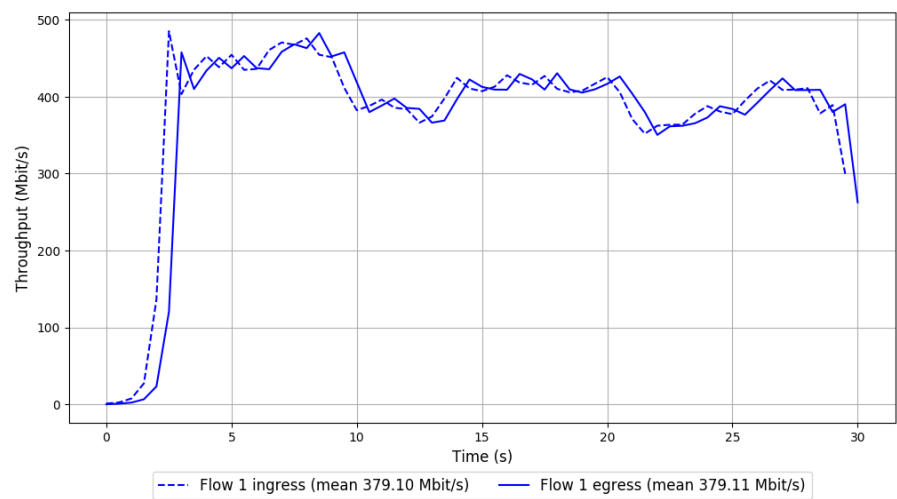


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-26 10:07:49
End at: 2018-05-26 10:08:19
Local clock offset: -0.231 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-26 13:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.11 Mbit/s
95th percentile per-packet one-way delay: 54.840 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 379.11 Mbit/s
95th percentile per-packet one-way delay: 54.840 ms
Loss rate: 0.34%

Run 4: Report of PCC-Vivace — Data Link

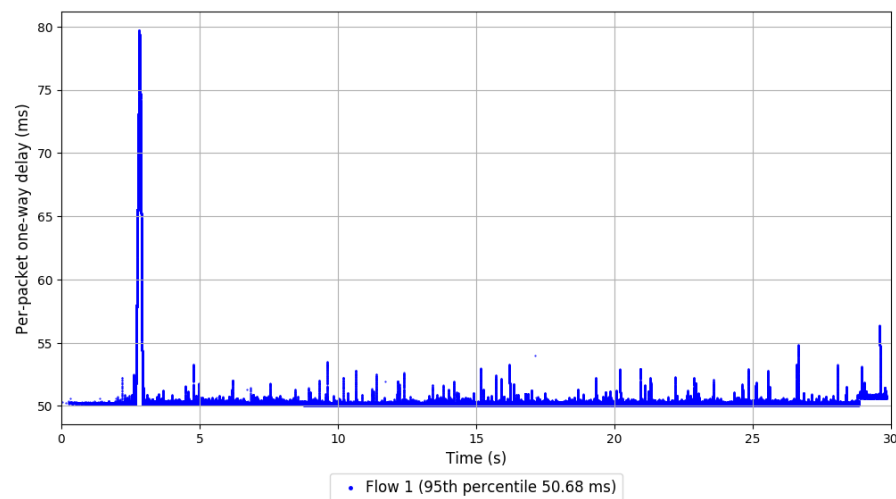
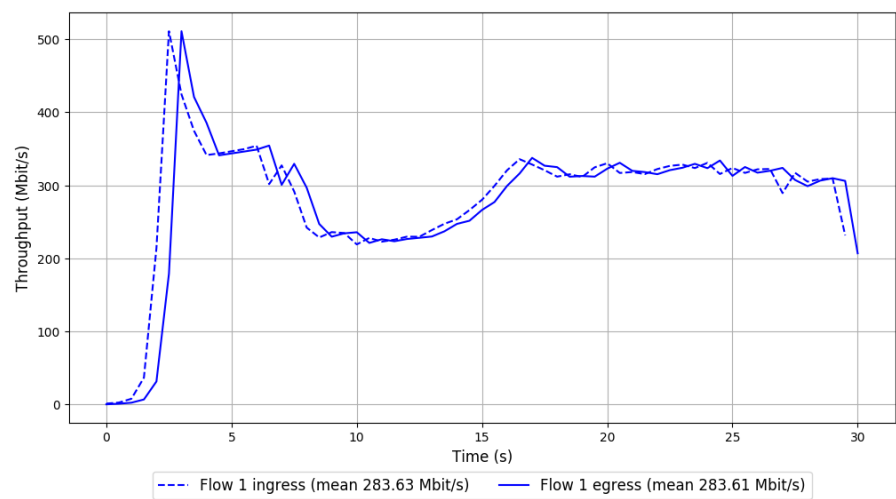


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-26 10:28:11
End at: 2018-05-26 10:28:41
Local clock offset: -0.227 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-26 13:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.61 Mbit/s
95th percentile per-packet one-way delay: 50.681 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 283.61 Mbit/s
95th percentile per-packet one-way delay: 50.681 ms
Loss rate: 0.34%

Run 5: Report of PCC-Vivace — Data Link

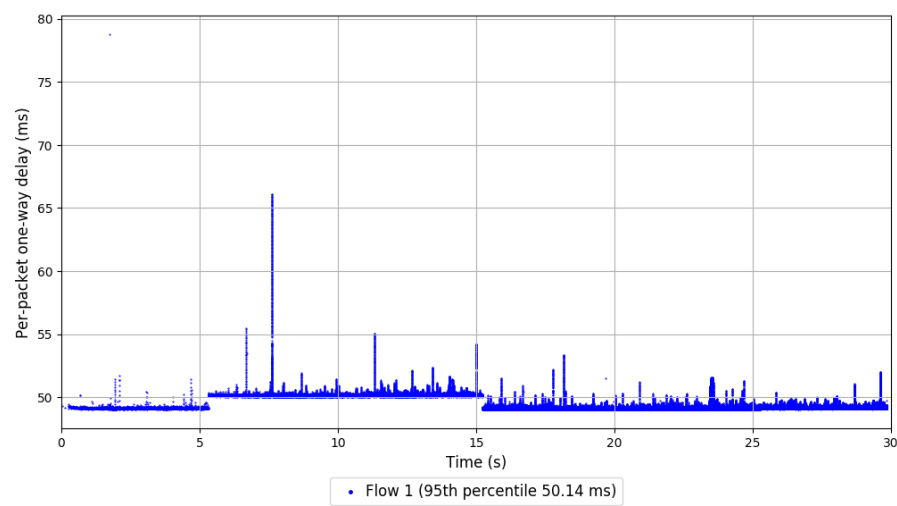
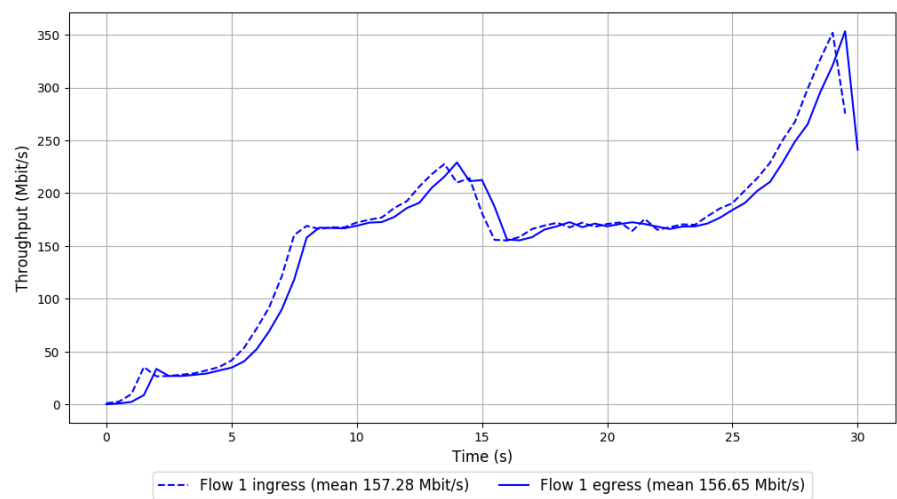


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-26 10:48:15
End at: 2018-05-26 10:48:45
Local clock offset: 0.135 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-26 13:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.65 Mbit/s
95th percentile per-packet one-way delay: 50.144 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 156.65 Mbit/s
95th percentile per-packet one-way delay: 50.144 ms
Loss rate: 0.73%

Run 6: Report of PCC-Vivace — Data Link

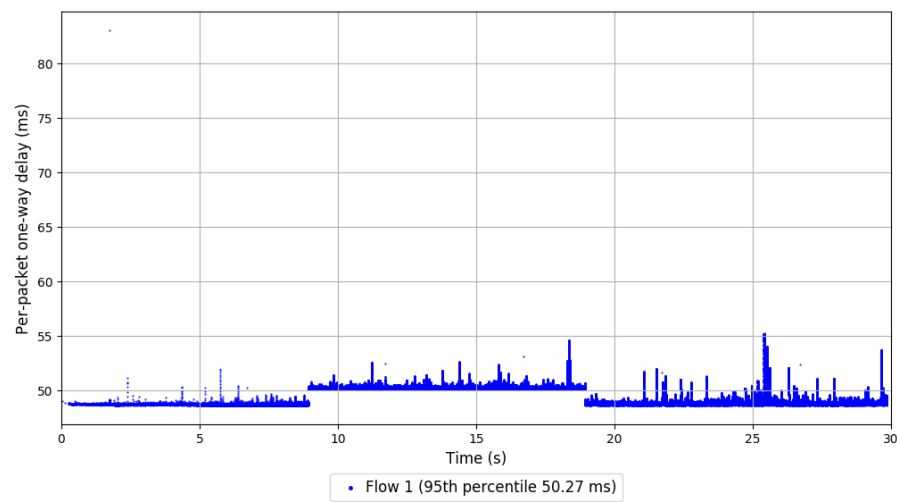
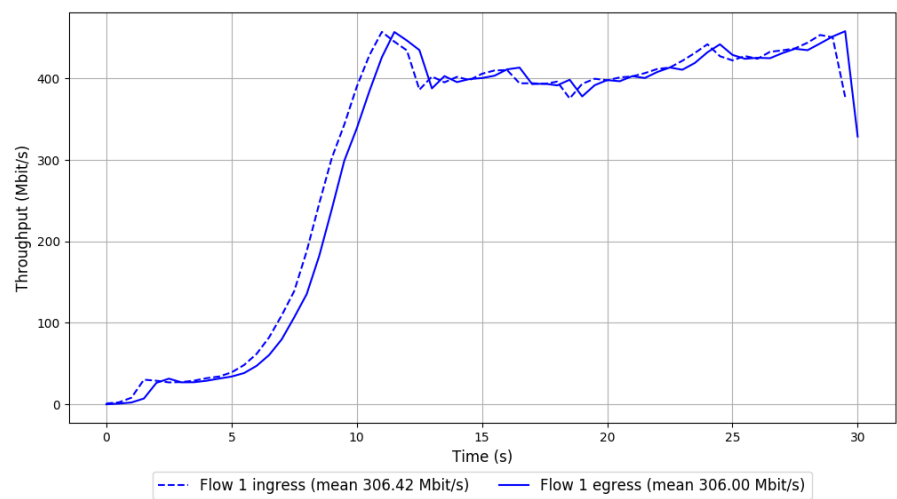


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-26 11:08:21
End at: 2018-05-26 11:08:51
Local clock offset: -0.148 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-26 13:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.00 Mbit/s
95th percentile per-packet one-way delay: 50.265 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 306.00 Mbit/s
95th percentile per-packet one-way delay: 50.265 ms
Loss rate: 0.47%

Run 7: Report of PCC-Vivace — Data Link

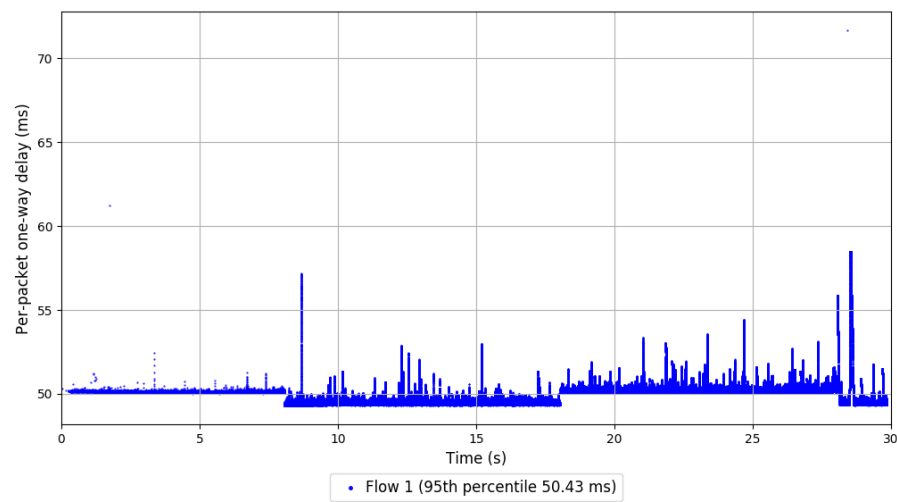
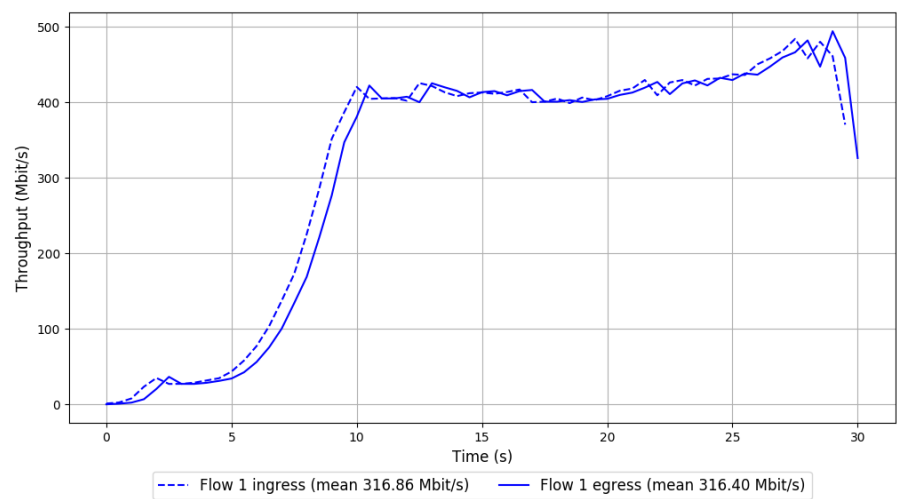


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-26 11:28:42
End at: 2018-05-26 11:29:12
Local clock offset: -0.151 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-26 13:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 316.40 Mbit/s
95th percentile per-packet one-way delay: 50.431 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 316.40 Mbit/s
95th percentile per-packet one-way delay: 50.431 ms
Loss rate: 0.48%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-26 11:49:03

End at: 2018-05-26 11:49:33

Local clock offset: -0.521 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-26 13:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.58 Mbit/s

95th percentile per-packet one-way delay: 49.976 ms

Loss rate: 0.82%

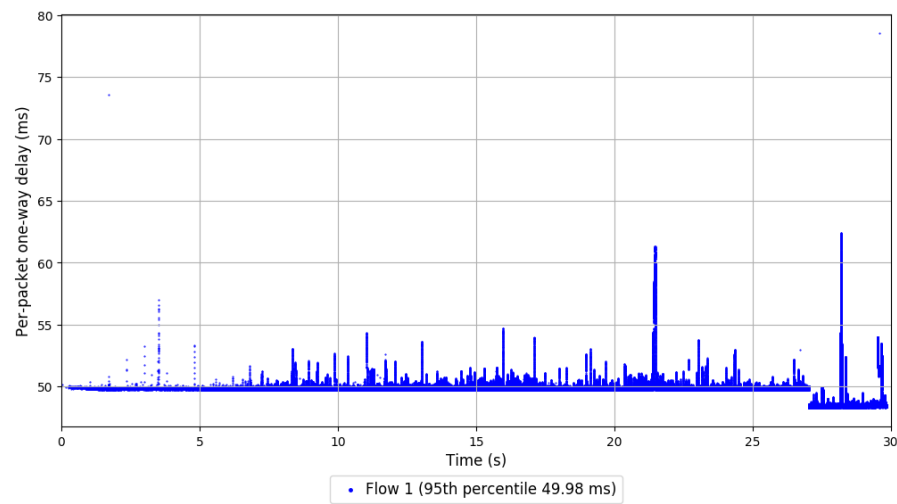
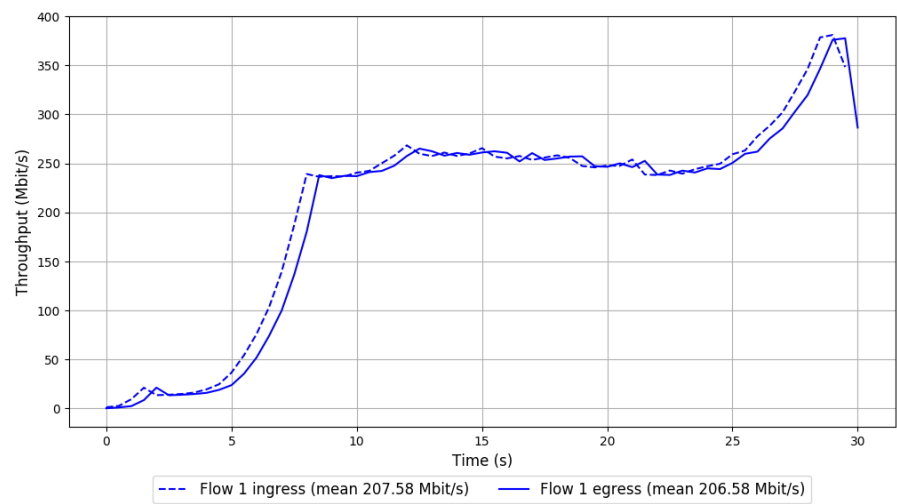
-- Flow 1:

Average throughput: 206.58 Mbit/s

95th percentile per-packet one-way delay: 49.976 ms

Loss rate: 0.82%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-26 12:09:09

End at: 2018-05-26 12:09:39

Local clock offset: 0.208 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-26 13:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.57 Mbit/s

95th percentile per-packet one-way delay: 50.011 ms

Loss rate: 0.31%

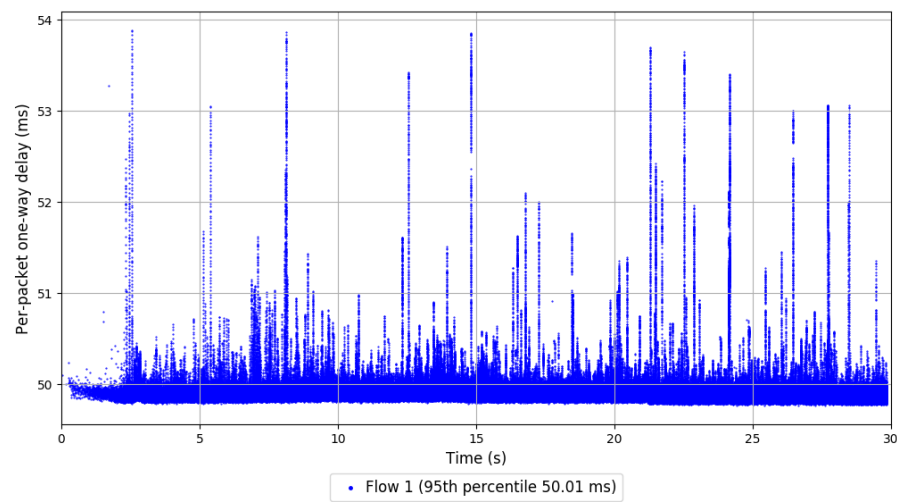
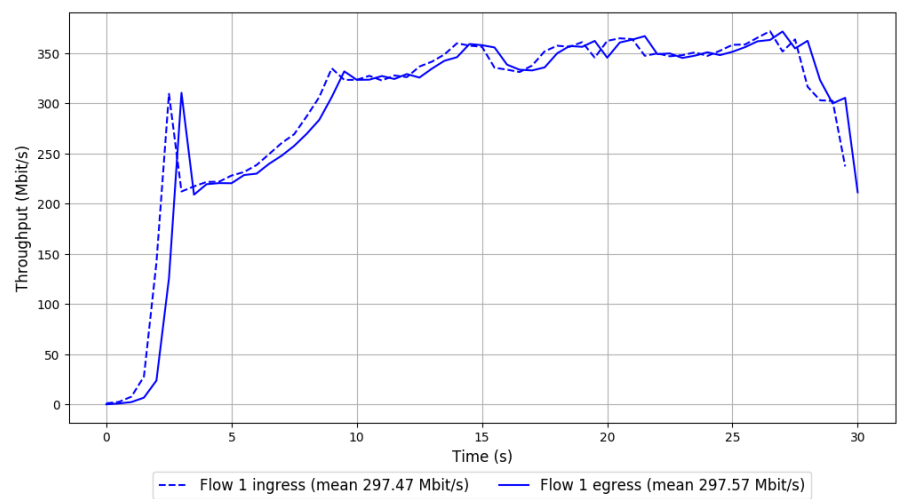
-- Flow 1:

Average throughput: 297.57 Mbit/s

95th percentile per-packet one-way delay: 50.011 ms

Loss rate: 0.31%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

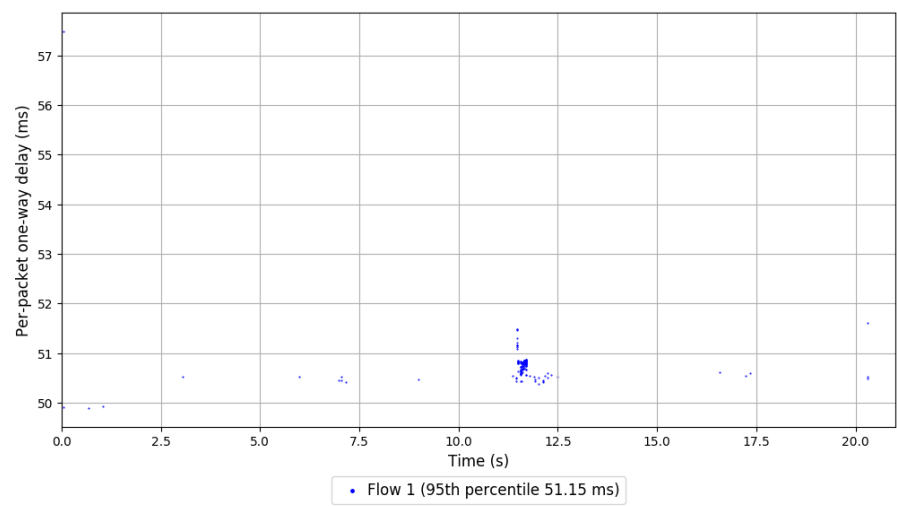
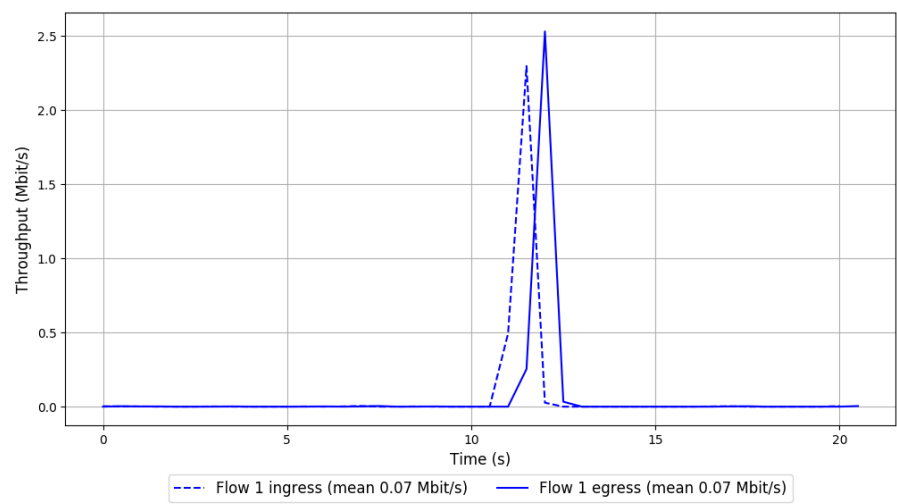
Start at: 2018-05-26 09:23:42

End at: 2018-05-26 09:24:12

Local clock offset: -0.225 ms

Remote clock offset: -0.025 ms

Run 1: Report of WebRTC media — Data Link

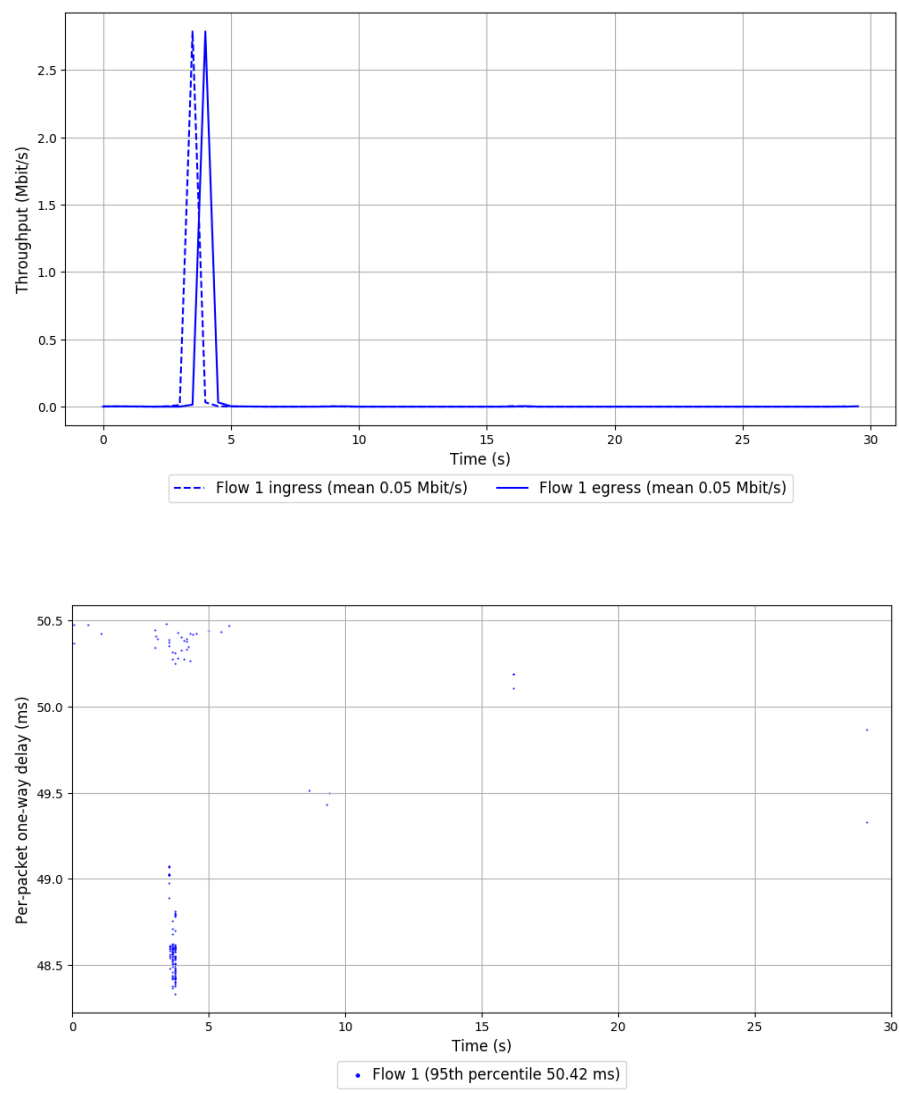


Run 2: Statistics of WebRTC media

Start at: 2018-05-26 09:43:55
End at: 2018-05-26 09:44:25
Local clock offset: -0.567 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-26 13:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.425 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.425 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

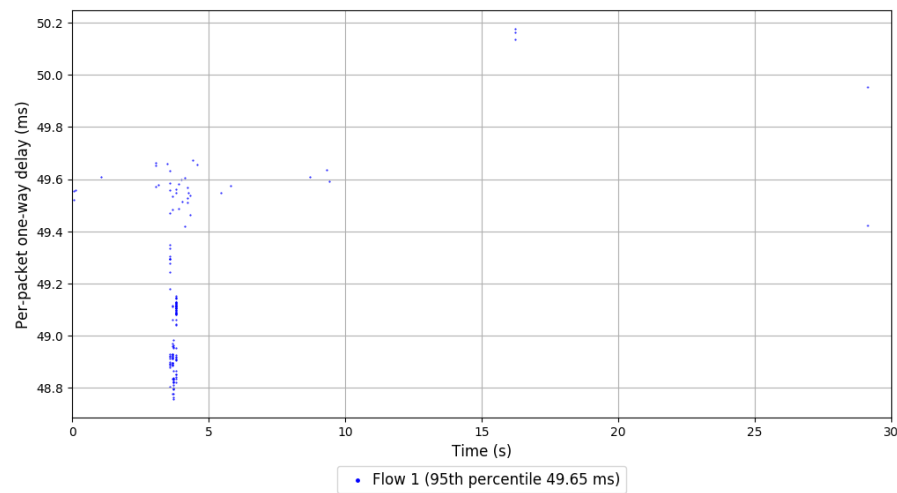
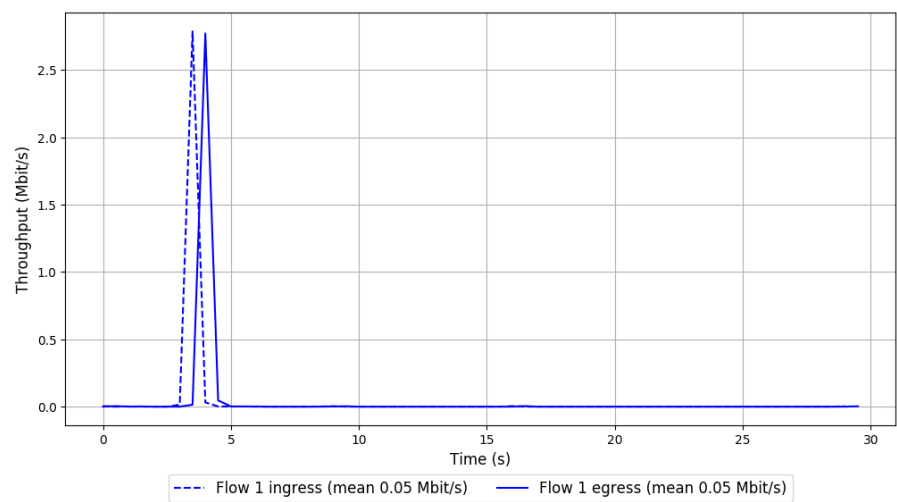


Run 3: Statistics of WebRTC media

Start at: 2018-05-26 10:04:00
End at: 2018-05-26 10:04:30
Local clock offset: -0.246 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-26 13:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.651 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-26 10:24:21

End at: 2018-05-26 10:24:51

Local clock offset: -0.284 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-26 13:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.224 ms

Loss rate: 0.00%

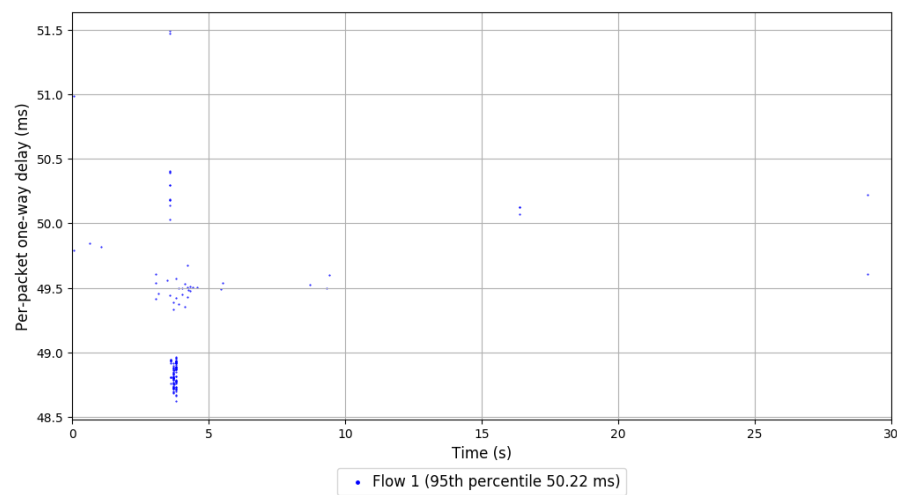
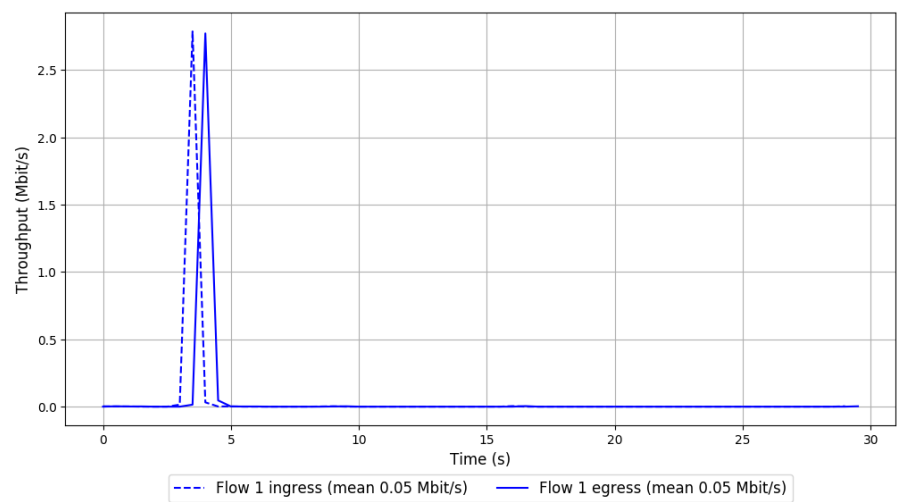
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.224 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

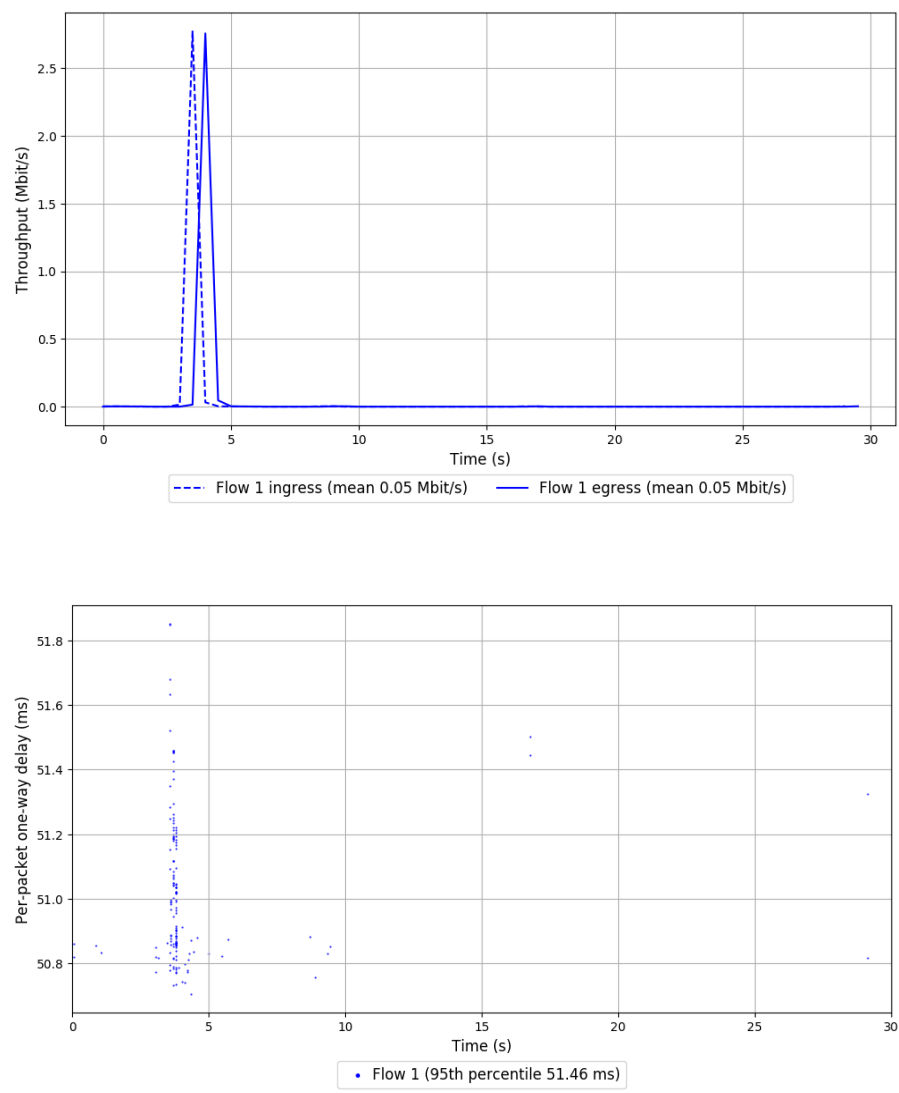


Run 5: Statistics of WebRTC media

Start at: 2018-05-26 10:44:23
End at: 2018-05-26 10:44:53
Local clock offset: -0.233 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-26 13:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.457 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

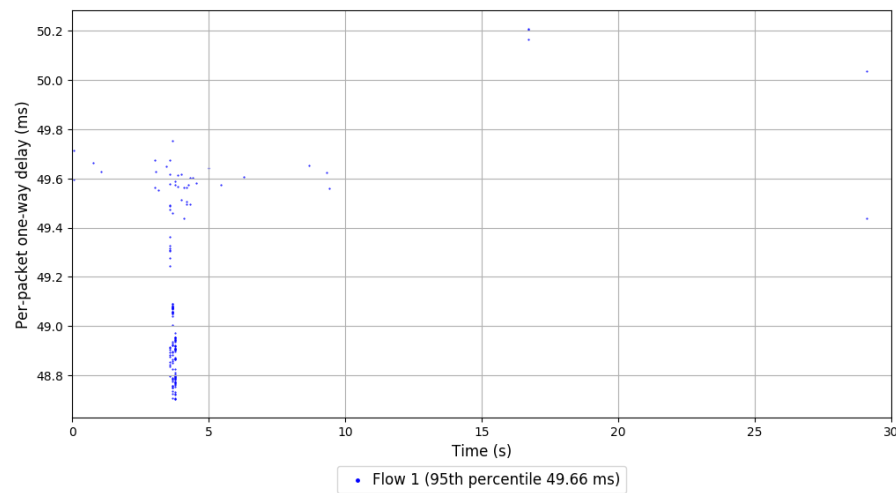
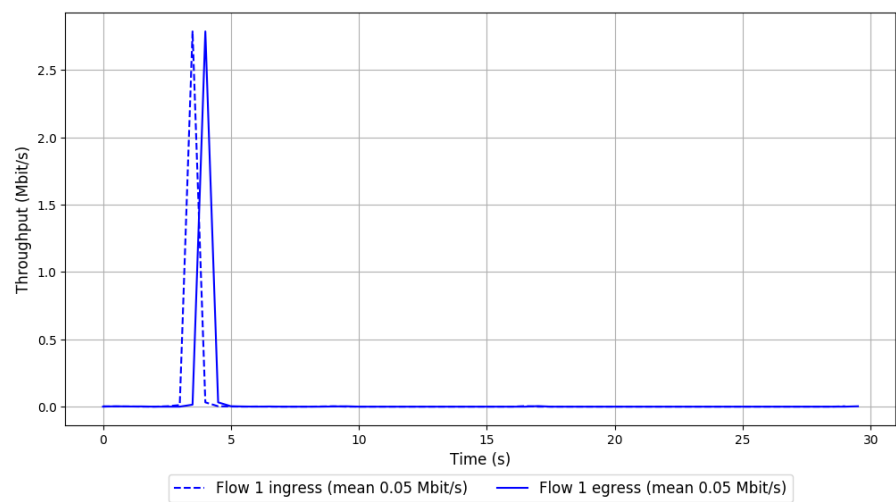


Run 6: Statistics of WebRTC media

Start at: 2018-05-26 11:04:30
End at: 2018-05-26 11:05:00
Local clock offset: -0.139 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-26 13:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

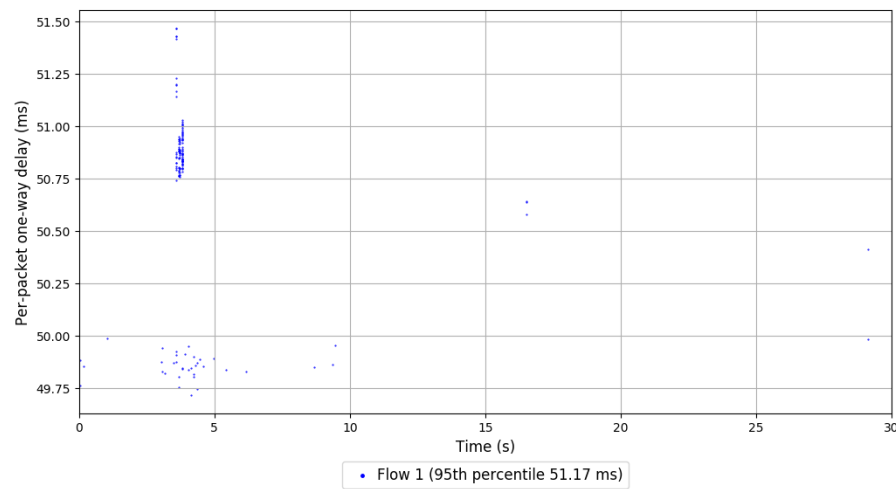
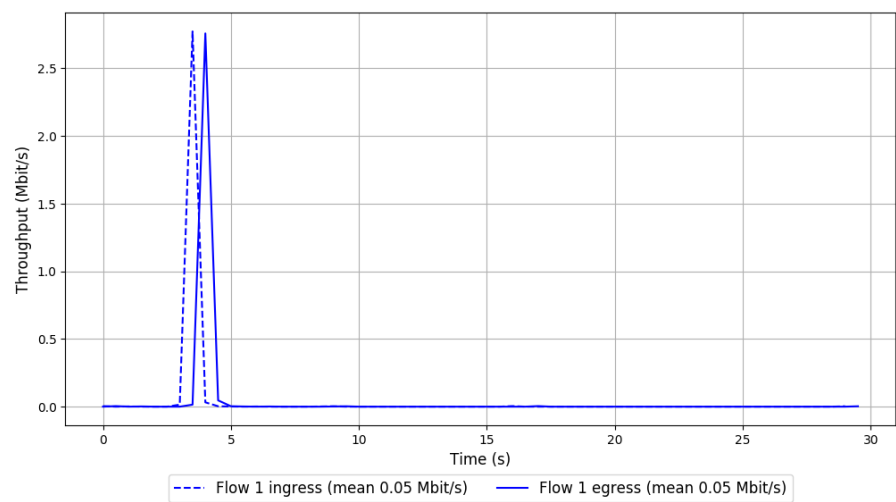


Run 7: Statistics of WebRTC media

Start at: 2018-05-26 11:24:48
End at: 2018-05-26 11:25:18
Local clock offset: -0.068 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-26 13:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.166 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-26 11:45:07

End at: 2018-05-26 11:45:37

Local clock offset: -0.125 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-05-26 13:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.707 ms

Loss rate: 0.00%

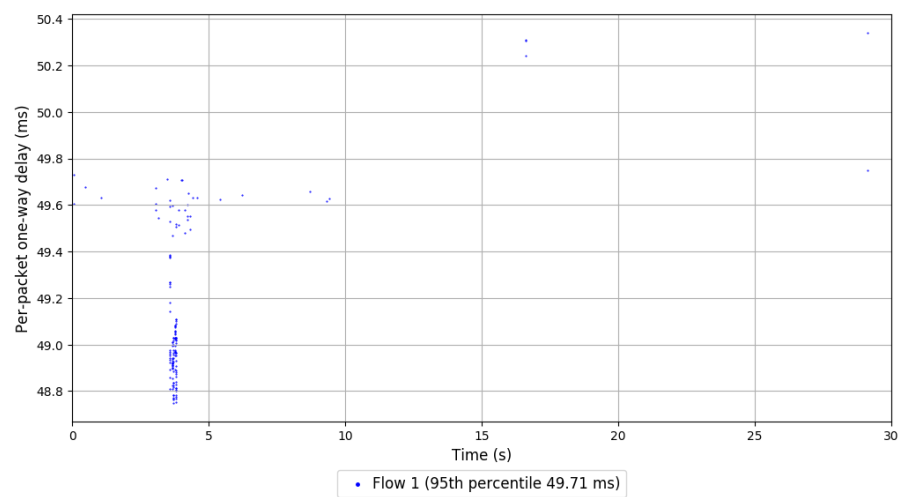
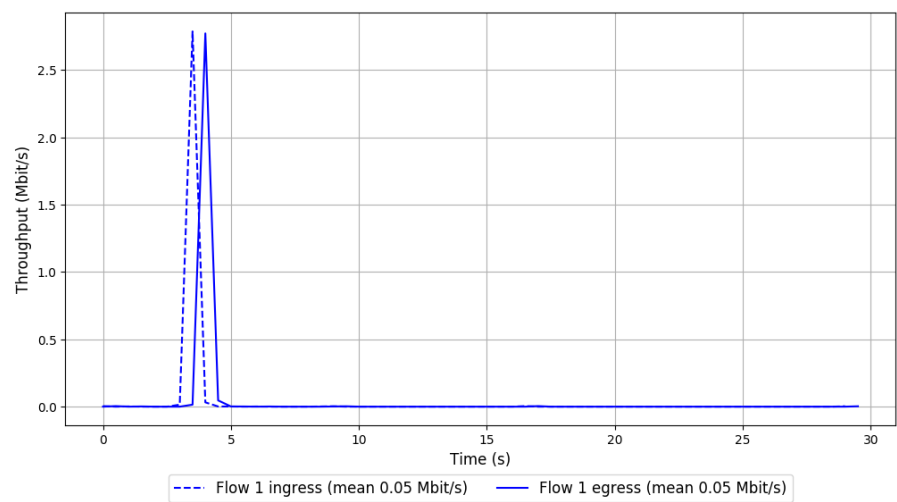
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.707 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-26 12:05:16

End at: 2018-05-26 12:05:46

Local clock offset: -0.132 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-26 13:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.616 ms

Loss rate: 0.00%

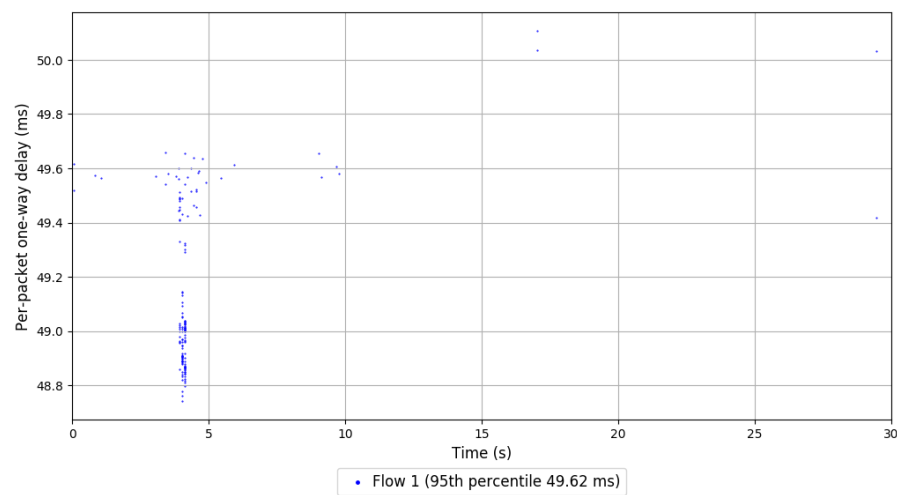
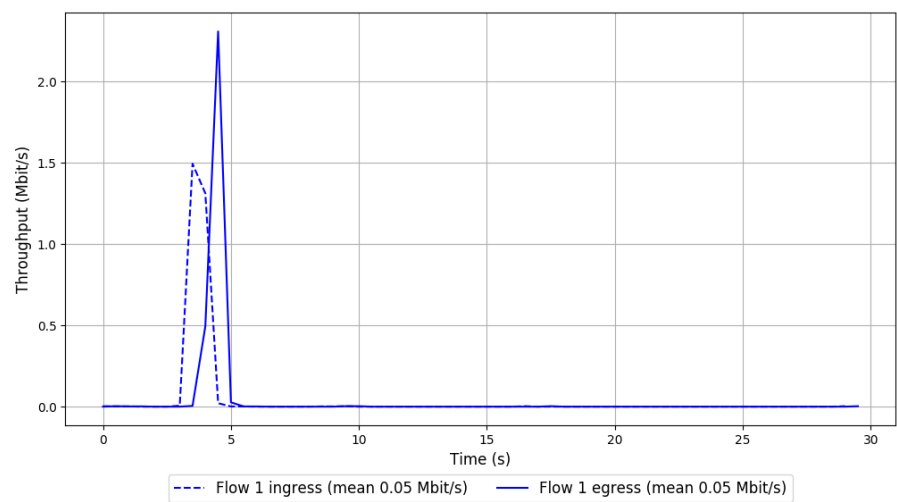
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.616 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-26 12:25:37
End at: 2018-05-26 12:26:07
Local clock offset: -0.572 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-26 13:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.012 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

