

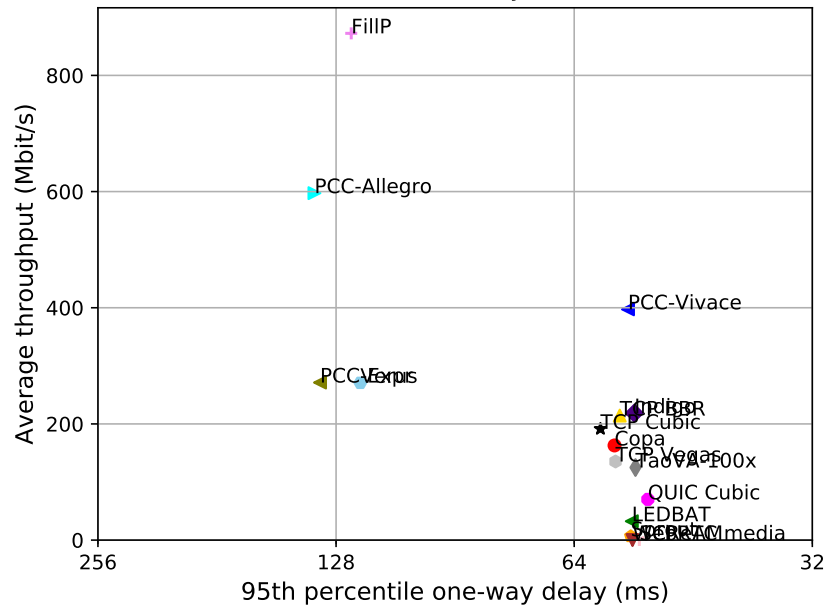
Pantheon Report

Generated at 2018-05-26 02:37:49 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

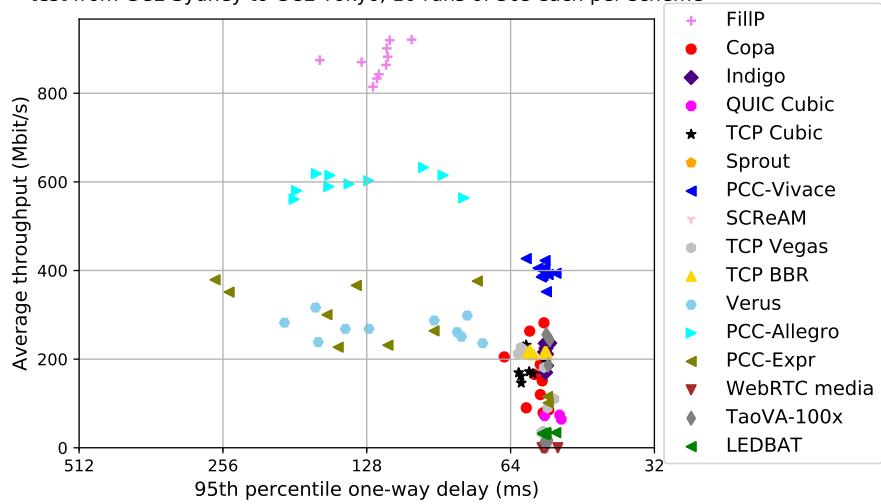
Git summary:

```
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-quirk @ 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 Sydney to GCE Tokyo, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE Tokyo, 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	214.39	56.05	0.01
Copa	10	162.94	56.91	0.01
TCP Cubic	10	191.44	59.29	0.01
FillP	10	872.40	122.47	1.54
Indigo	10	218.51	53.72	0.01
LEDBAT	10	32.46	54.12	0.00
PCC-Allegro	10	597.28	136.31	0.49
PCC-Expr	10	271.23	134.13	1.41
QUIC Cubic	3	70.12	51.65	0.00
SCReAM	10	0.22	52.95	0.01
Sprout	10	6.58	54.29	0.00
TaoVA-100x	8	124.97	53.55	0.01
TCP Vegas	10	135.31	56.74	0.03
Verus	10	270.72	119.28	0.17
PCC-Vivace	10	397.27	54.73	0.00
WebRTC media	10	0.05	54.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-25 21:44:22

End at: 2018-05-25 21:44:52

Local clock offset: -0.34 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-05-26 01:11:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.86 Mbit/s

95th percentile per-packet one-way delay: 57.262 ms

Loss rate: 0.00%

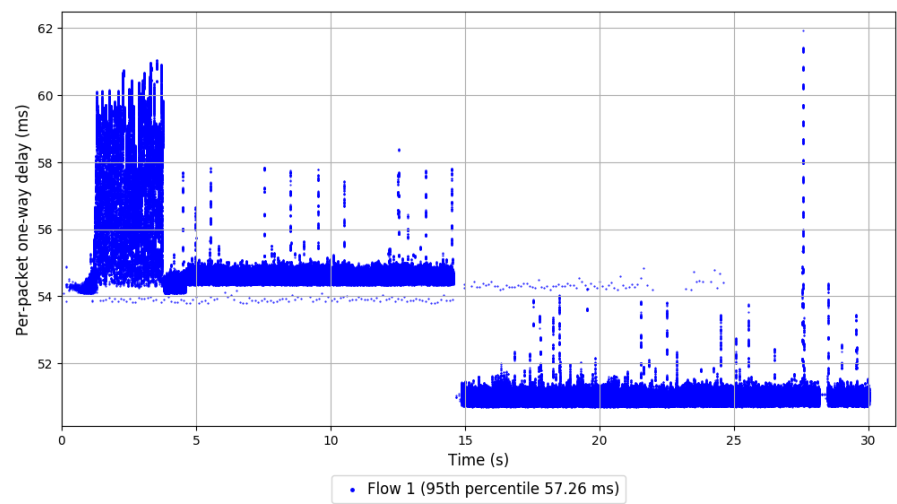
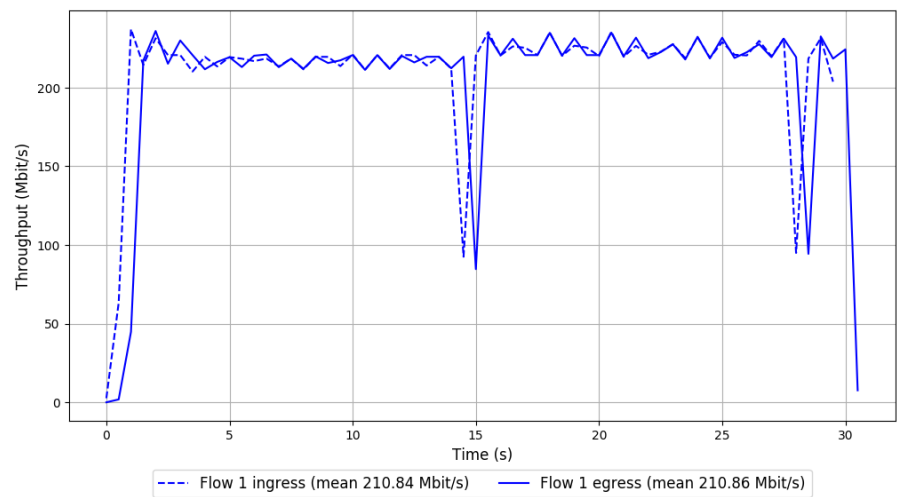
-- Flow 1:

Average throughput: 210.86 Mbit/s

95th percentile per-packet one-way delay: 57.262 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

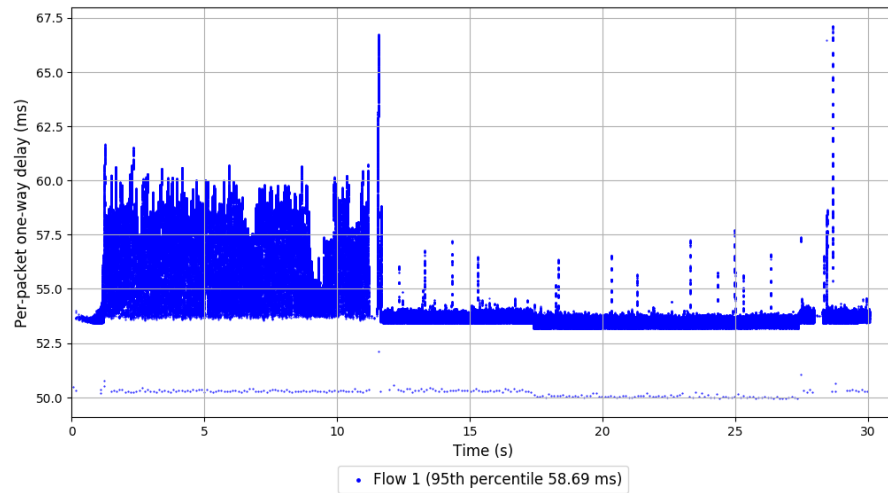
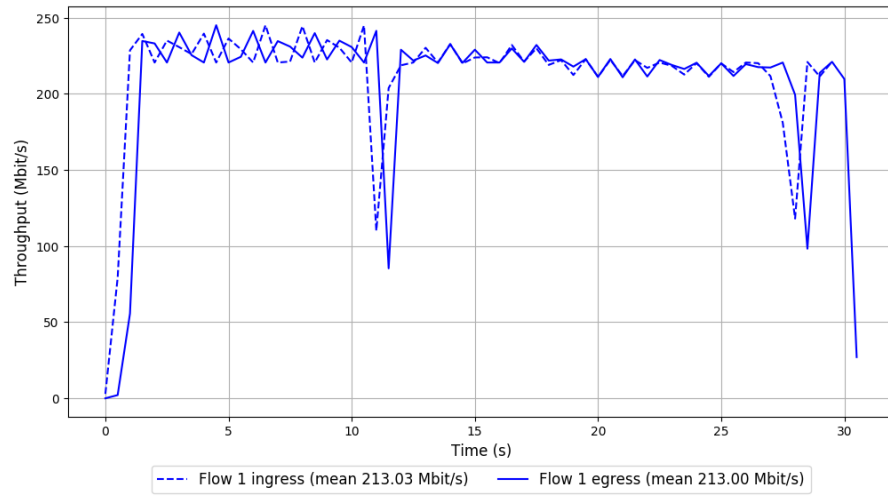


Run 2: Statistics of TCP BBR

Start at: 2018-05-25 22:04:29
End at: 2018-05-25 22:04:59
Local clock offset: 0.063 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-05-26 01:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.00 Mbit/s
95th percentile per-packet one-way delay: 58.688 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 213.00 Mbit/s
95th percentile per-packet one-way delay: 58.688 ms
Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-25 22:24:48

End at: 2018-05-25 22:25:18

Local clock offset: -0.001 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-05-26 01:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.51 Mbit/s

95th percentile per-packet one-way delay: 54.318 ms

Loss rate: 0.00%

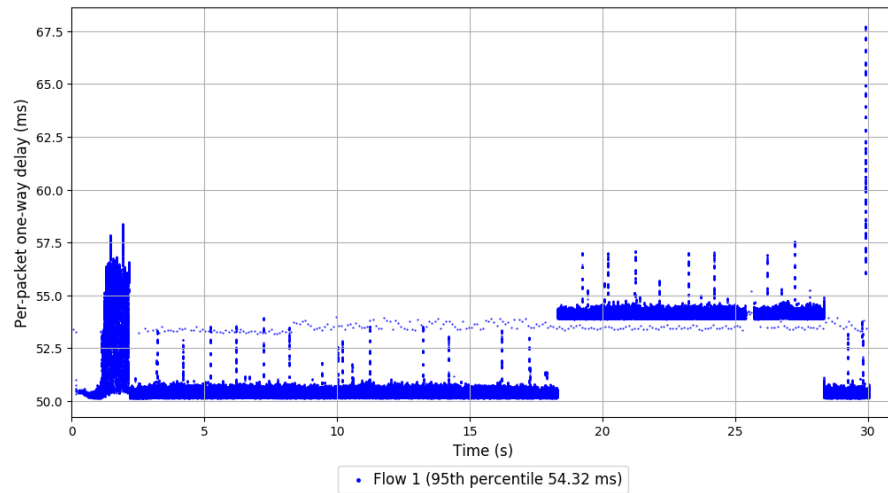
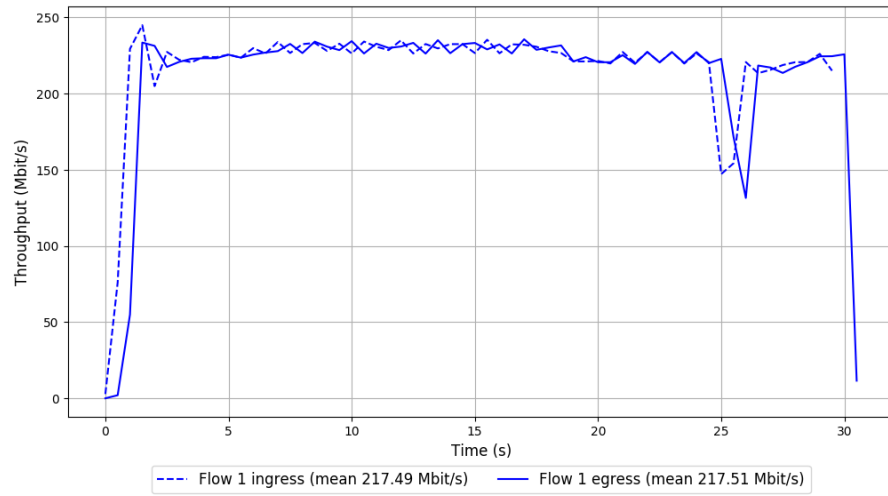
-- Flow 1:

Average throughput: 217.51 Mbit/s

95th percentile per-packet one-way delay: 54.318 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-25 22:45:25

End at: 2018-05-25 22:45:55

Local clock offset: 0.1 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-05-26 01:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.98 Mbit/s

95th percentile per-packet one-way delay: 58.920 ms

Loss rate: 0.01%

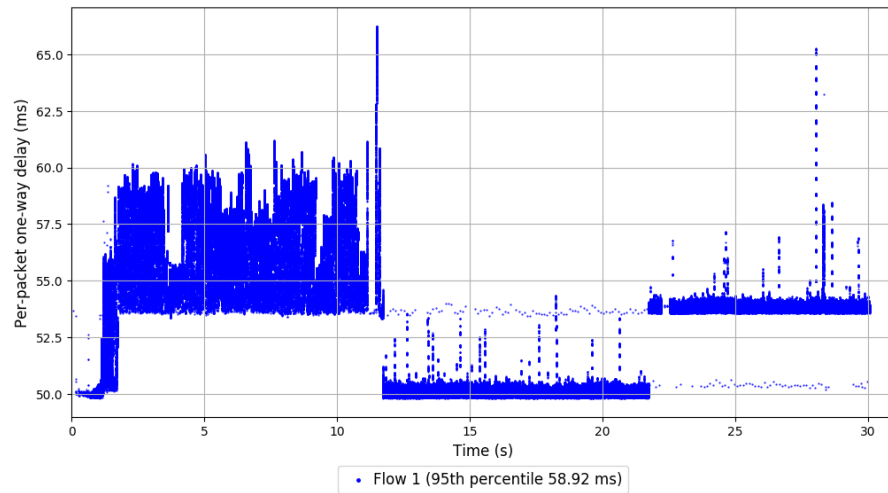
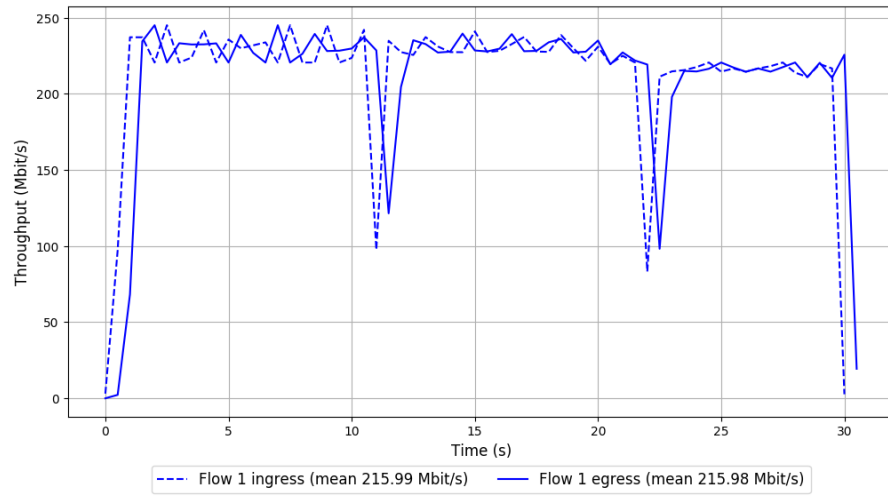
-- Flow 1:

Average throughput: 215.98 Mbit/s

95th percentile per-packet one-way delay: 58.920 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-25 23:05:46

End at: 2018-05-25 23:06:16

Local clock offset: 0.102 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-05-26 01:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.32 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

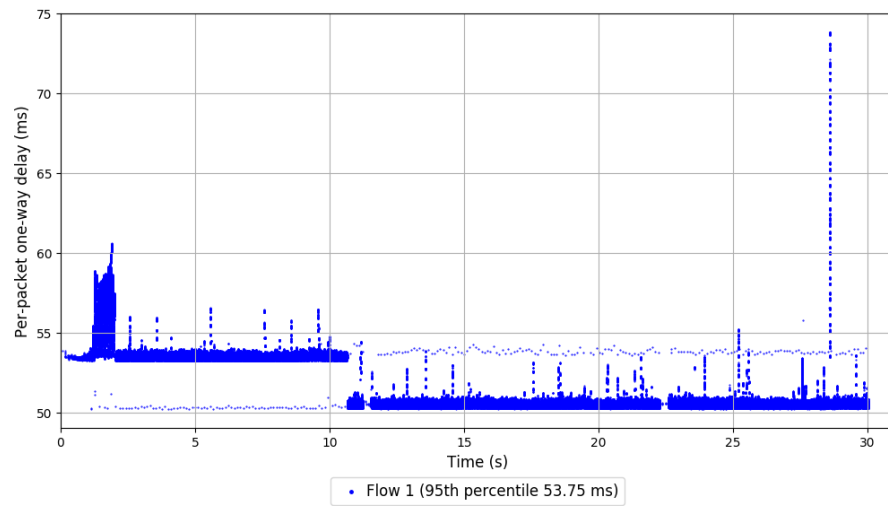
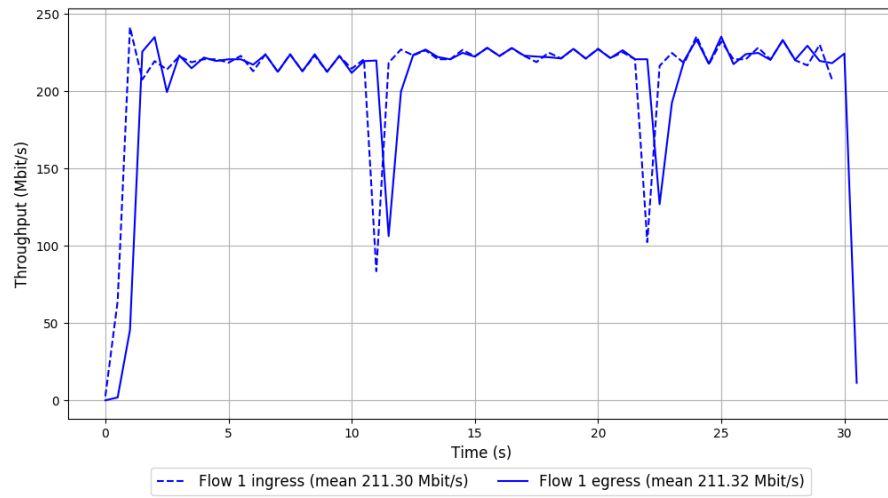
-- Flow 1:

Average throughput: 211.32 Mbit/s

95th percentile per-packet one-way delay: 53.750 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-25 23:26:19

End at: 2018-05-25 23:26:49

Local clock offset: 0.15 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-05-26 01:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.29 Mbit/s

95th percentile per-packet one-way delay: 53.961 ms

Loss rate: 0.00%

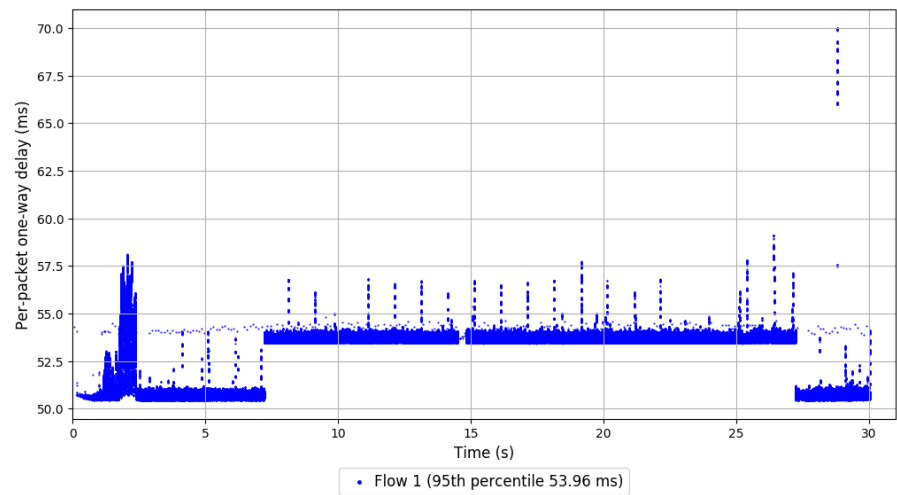
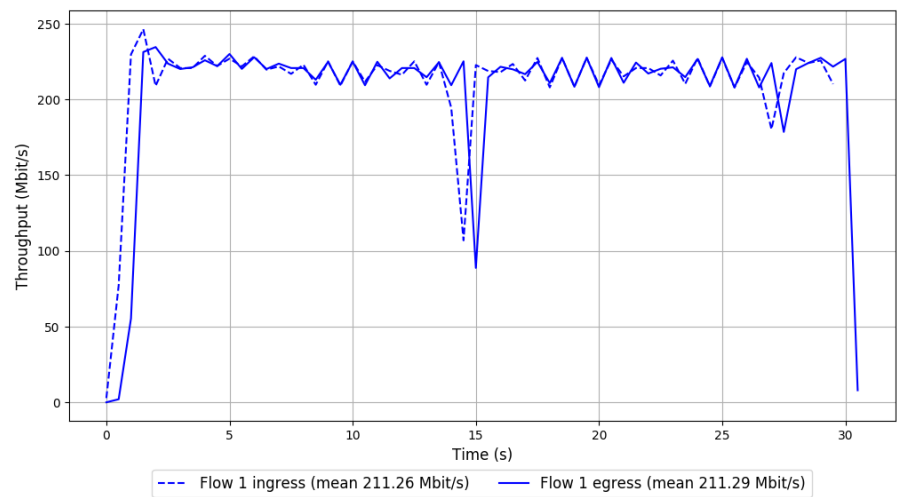
-- Flow 1:

Average throughput: 211.29 Mbit/s

95th percentile per-packet one-way delay: 53.961 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-25 23:46:57

End at: 2018-05-25 23:47:27

Local clock offset: 0.029 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-05-26 01:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.81 Mbit/s

95th percentile per-packet one-way delay: 57.205 ms

Loss rate: 0.00%

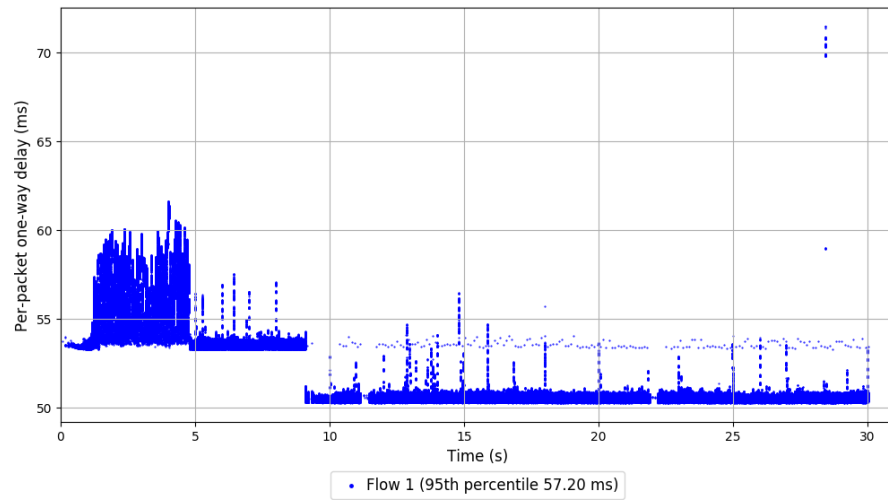
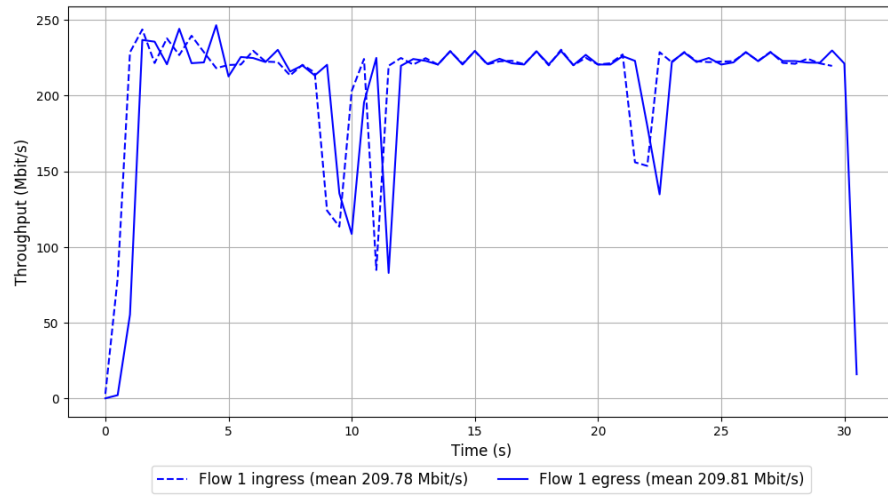
-- Flow 1:

Average throughput: 209.81 Mbit/s

95th percentile per-packet one-way delay: 57.205 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-26 00:07:30

End at: 2018-05-26 00:08:00

Local clock offset: 0.129 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-05-26 01:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 54.251 ms

Loss rate: 0.01%

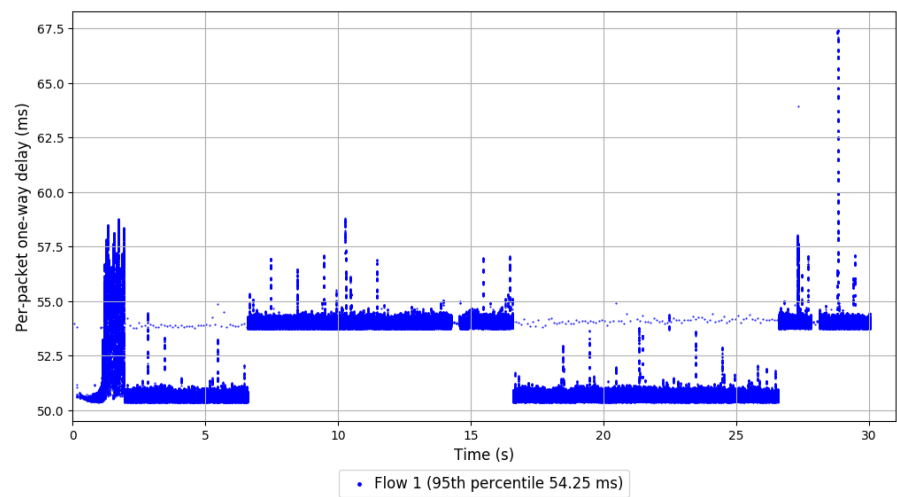
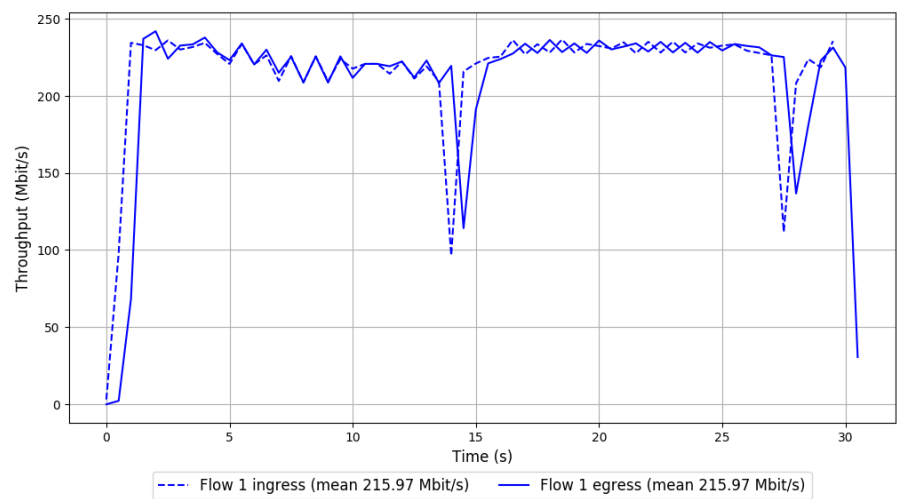
-- Flow 1:

Average throughput: 215.97 Mbit/s

95th percentile per-packet one-way delay: 54.251 ms

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-26 00:28:28

End at: 2018-05-26 00:28:58

Local clock offset: -0.464 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-26 01:15:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.95 Mbit/s

95th percentile per-packet one-way delay: 58.358 ms

Loss rate: 0.01%

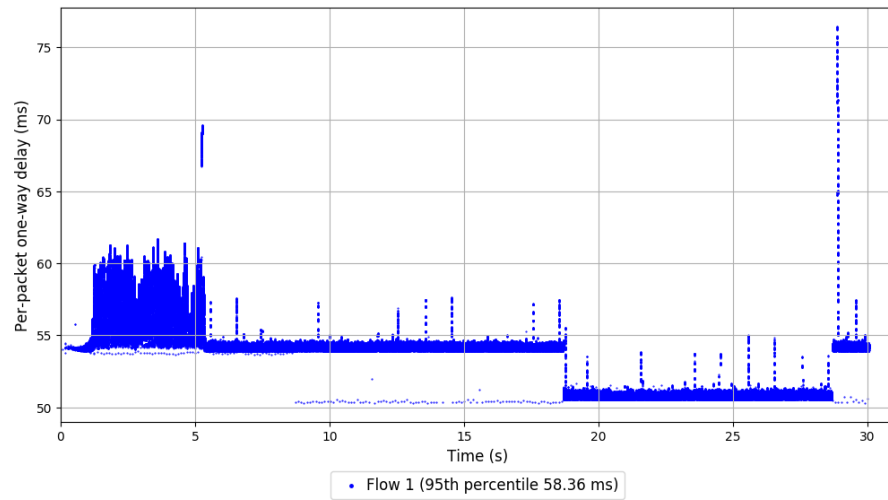
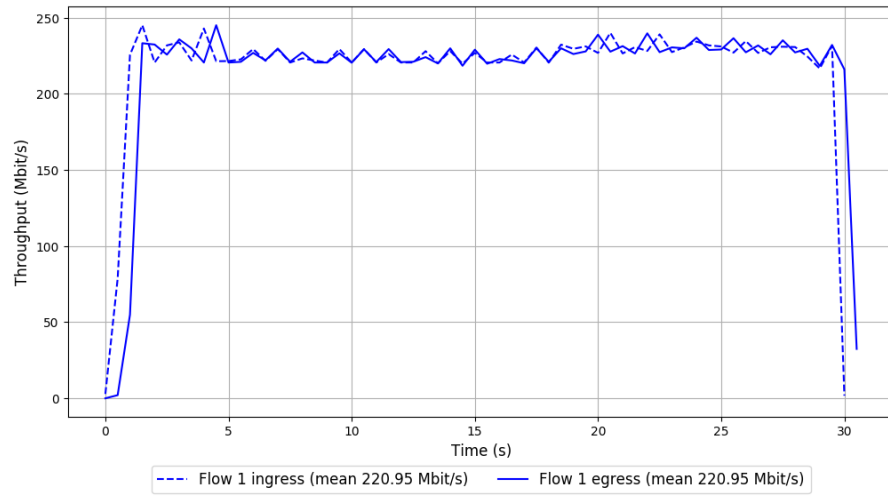
-- Flow 1:

Average throughput: 220.95 Mbit/s

95th percentile per-packet one-way delay: 58.358 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-26 00:49:12

End at: 2018-05-26 00:49:42

Local clock offset: 0.058 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-05-26 01:15:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.24 Mbit/s

95th percentile per-packet one-way delay: 53.806 ms

Loss rate: 0.01%

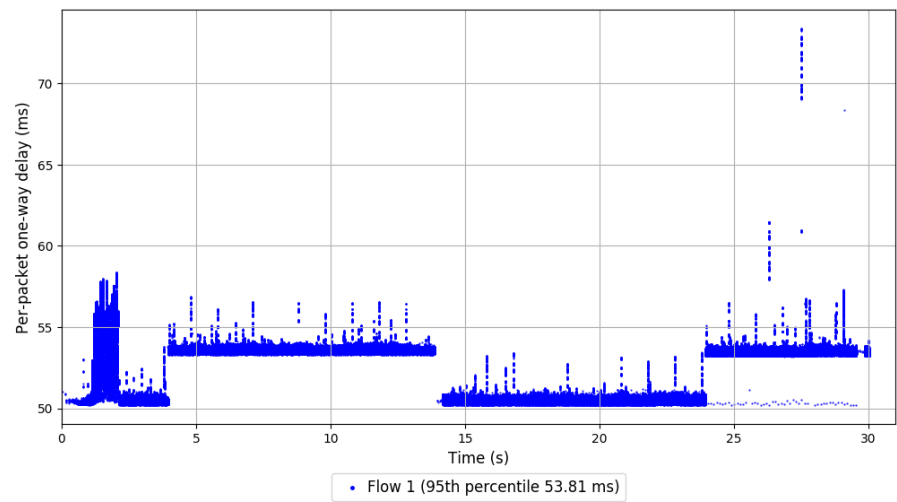
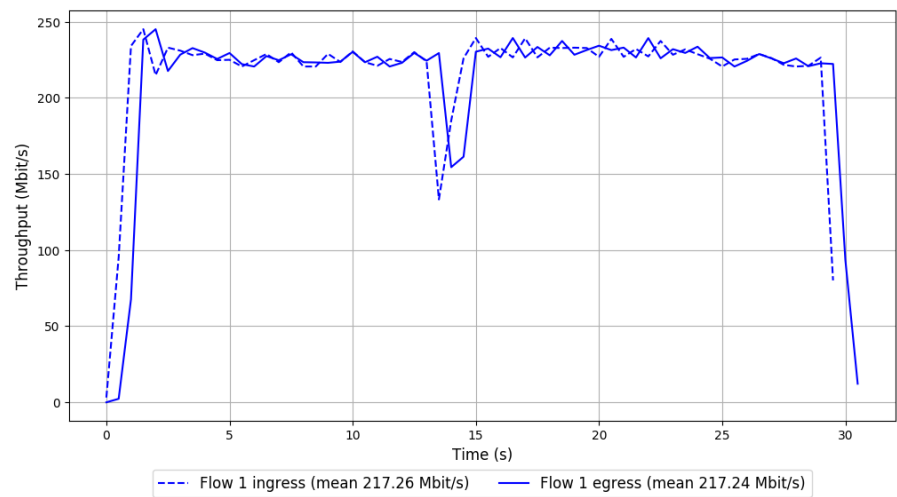
-- Flow 1:

Average throughput: 217.24 Mbit/s

95th percentile per-packet one-way delay: 53.806 ms

Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link

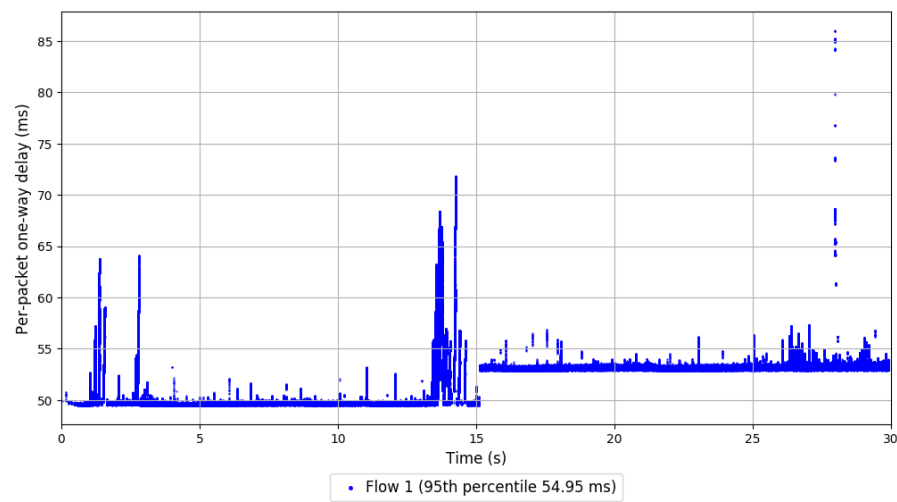
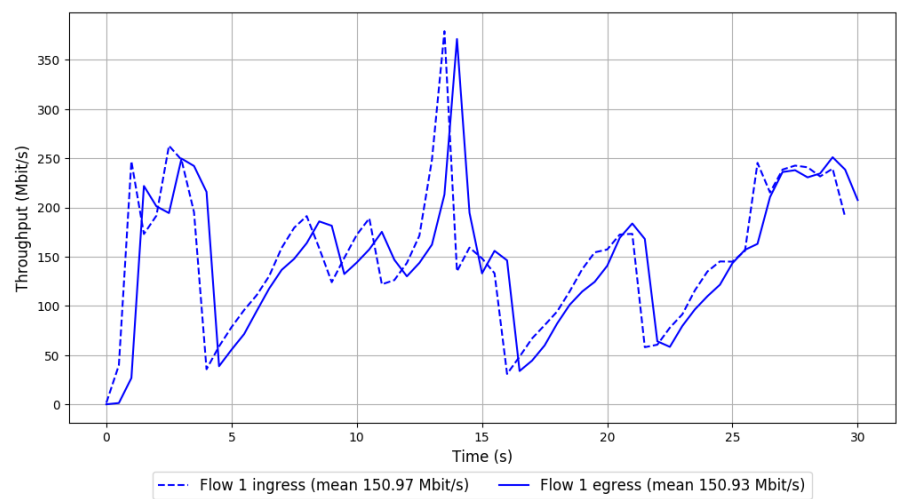


Run 1: Statistics of Copa

Start at: 2018-05-25 21:37:31
End at: 2018-05-25 21:38:01
Local clock offset: 0.541 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-26 01:15:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 54.946 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 54.946 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-25 21:57:44

End at: 2018-05-25 21:58:14

Local clock offset: 0.159 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-05-26 01:15:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 59.344 ms

Loss rate: 0.00%

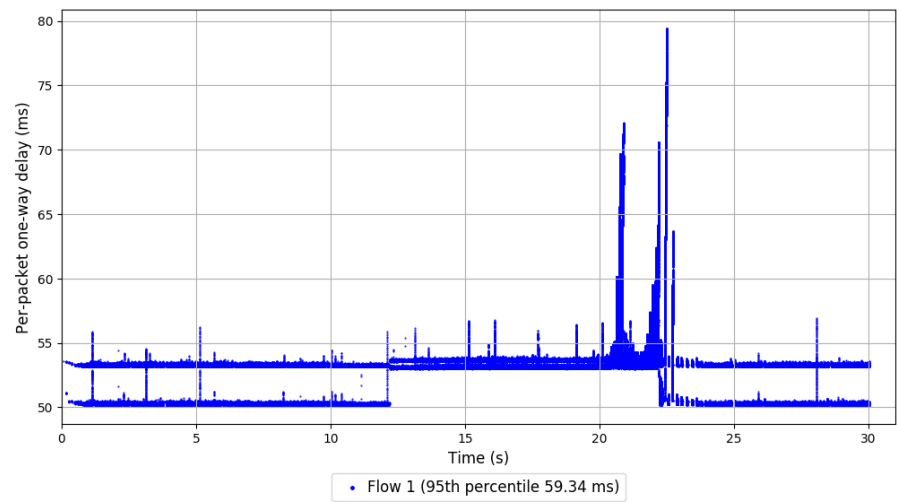
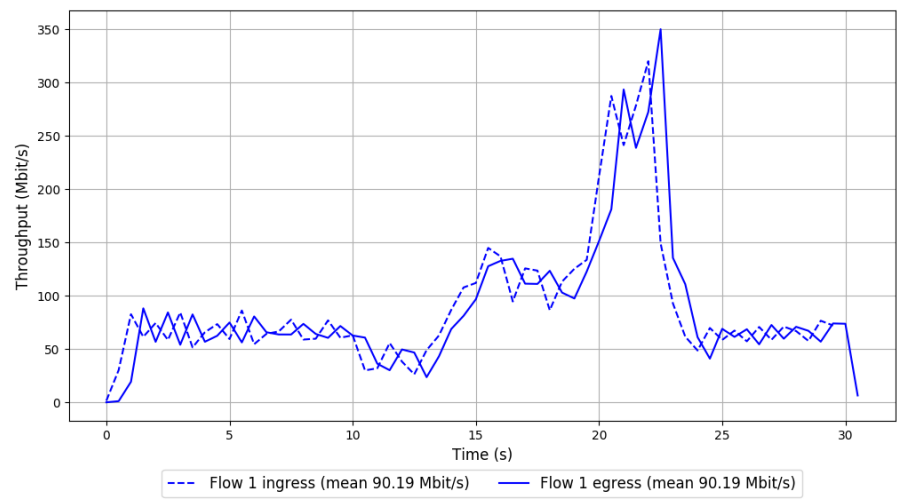
-- Flow 1:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 59.344 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

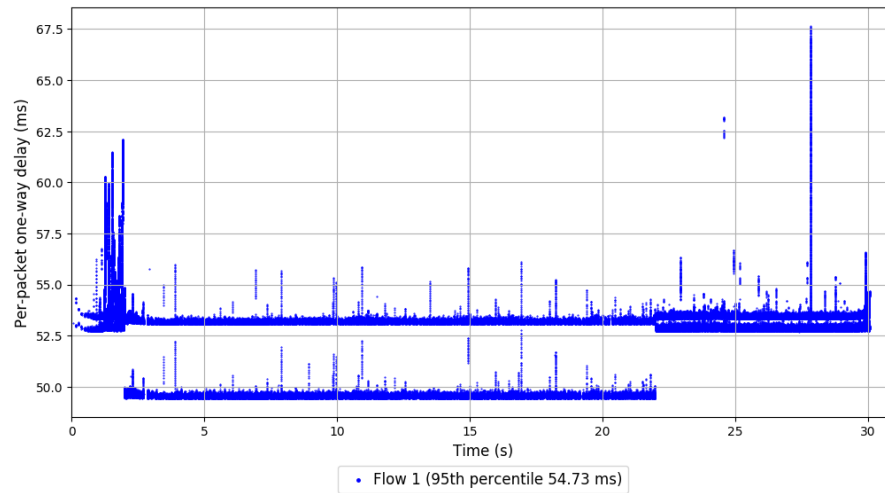
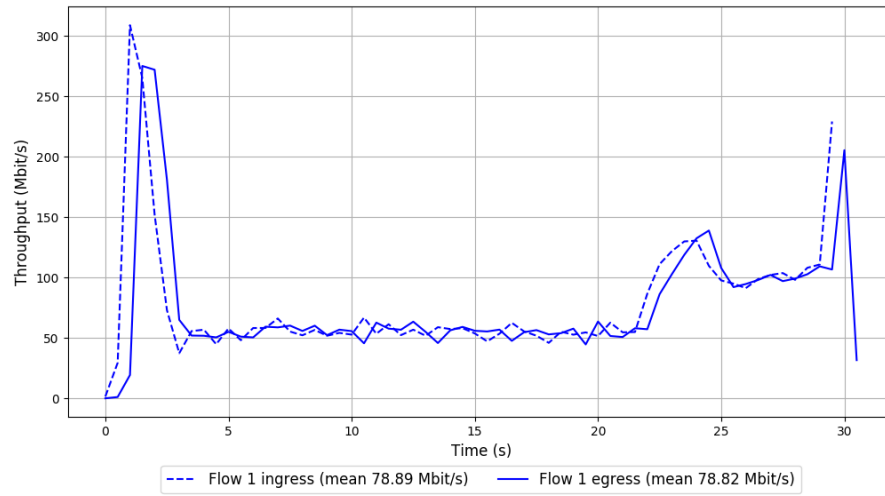


Run 3: Statistics of Copa

Start at: 2018-05-25 22:18:04
End at: 2018-05-25 22:18:34
Local clock offset: 0.249 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-26 01:15:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 54.731 ms
Loss rate: 0.10%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-25 22:38:33

End at: 2018-05-25 22:39:03

Local clock offset: 0.211 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-05-26 01:16:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.53 Mbit/s

95th percentile per-packet one-way delay: 57.061 ms

Loss rate: 0.00%

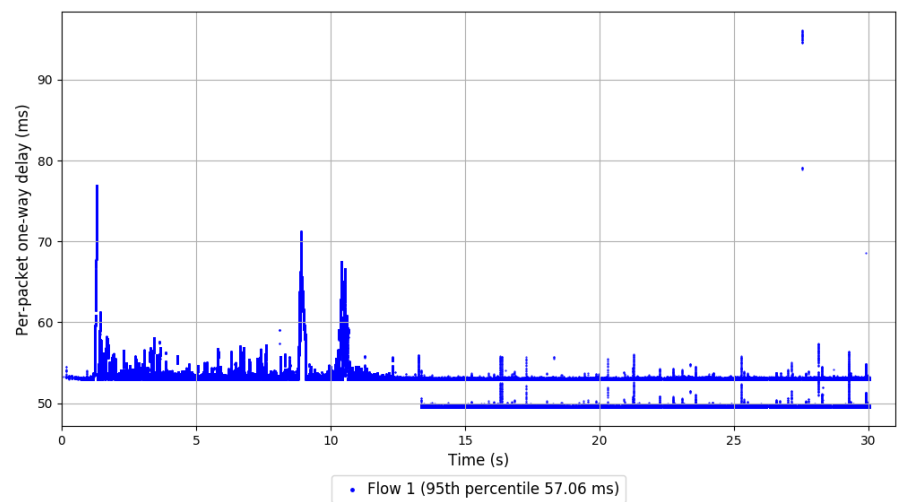
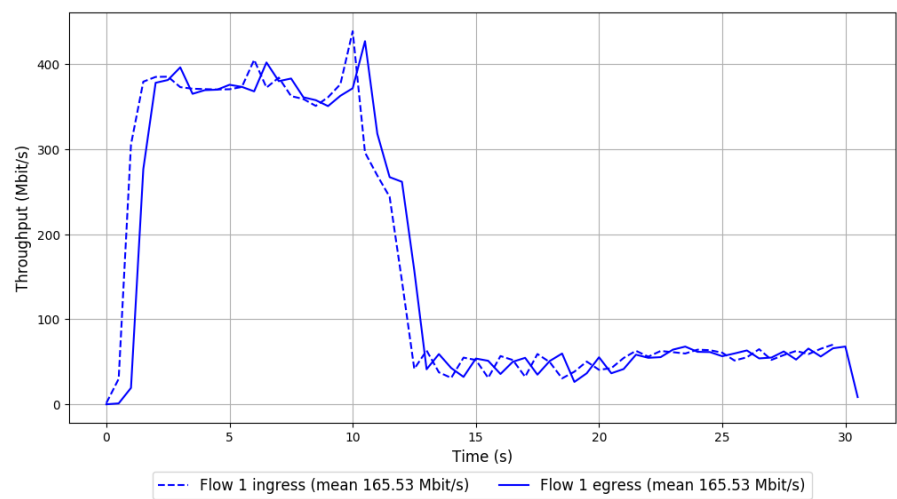
-- Flow 1:

Average throughput: 165.53 Mbit/s

95th percentile per-packet one-way delay: 57.061 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-25 22:58:52

End at: 2018-05-25 22:59:22

Local clock offset: -0.204 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-26 01:17:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.50 Mbit/s

95th percentile per-packet one-way delay: 55.477 ms

Loss rate: 0.00%

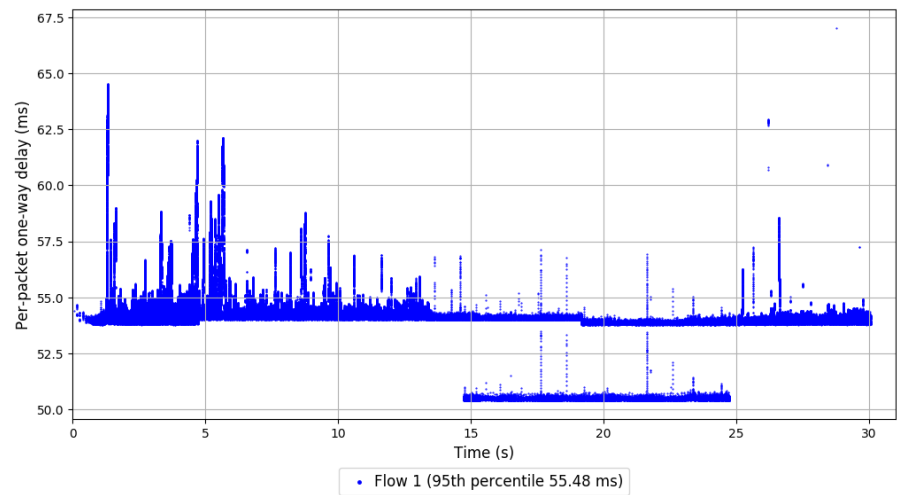
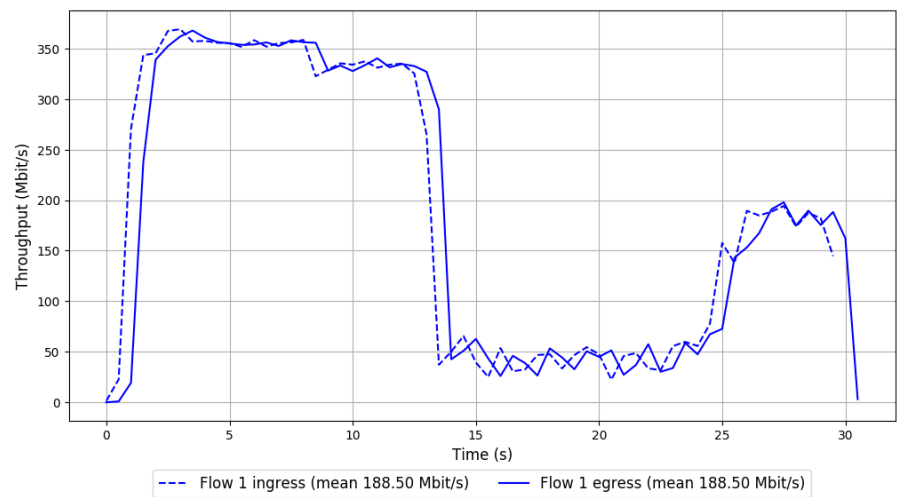
-- Flow 1:

Average throughput: 188.50 Mbit/s

95th percentile per-packet one-way delay: 55.477 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-25 23:19:20

End at: 2018-05-25 23:19:50

Local clock offset: 0.038 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-26 01:17:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.00%

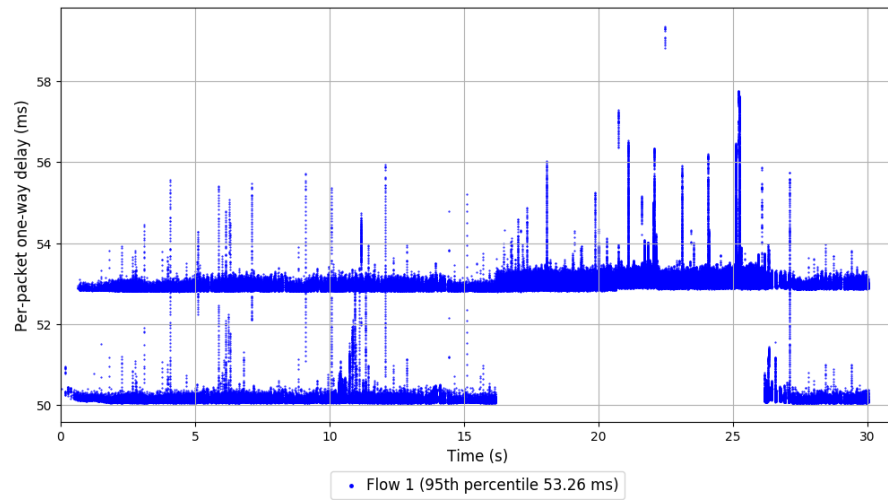
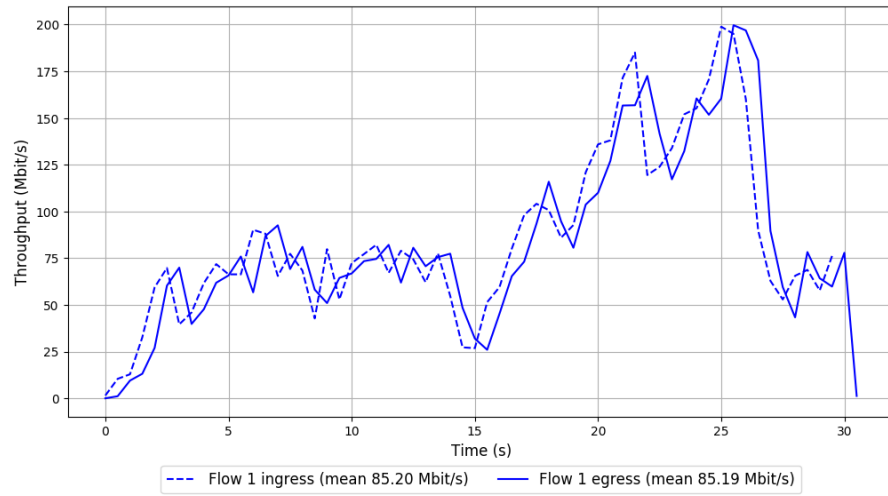
-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

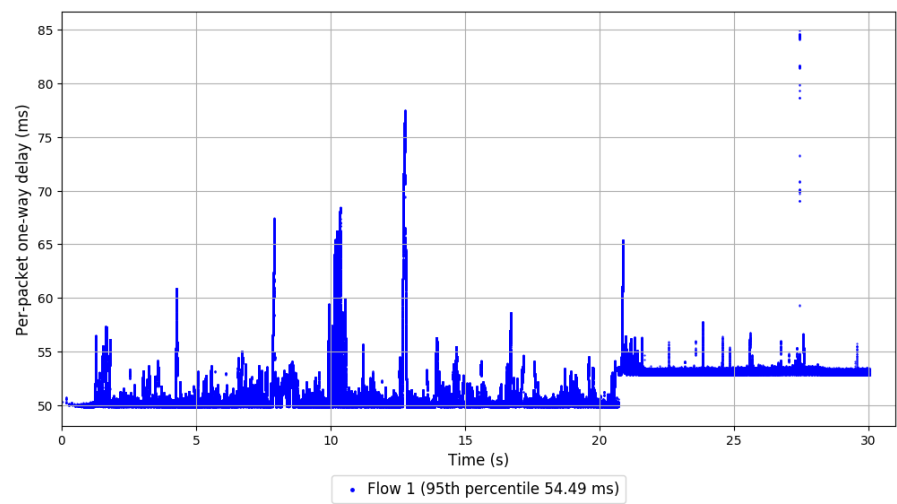
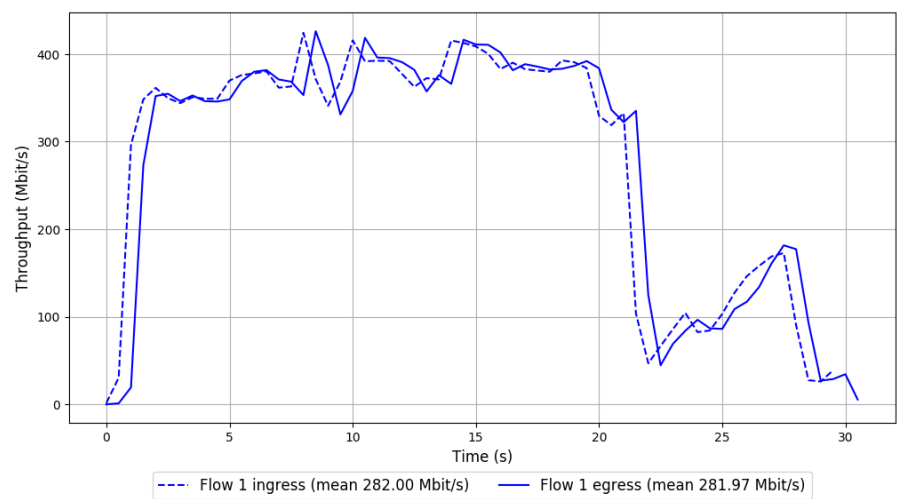


Run 7: Statistics of Copa

Start at: 2018-05-25 23:39:36
End at: 2018-05-25 23:40:06
Local clock offset: 0.353 ms
Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-05-26 01:22:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.97 Mbit/s
95th percentile per-packet one-way delay: 54.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 281.97 Mbit/s
95th percentile per-packet one-way delay: 54.490 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

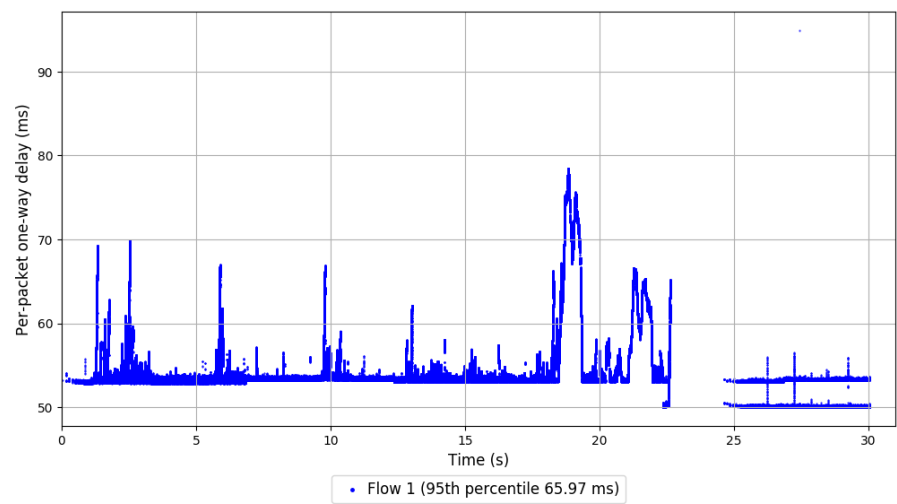
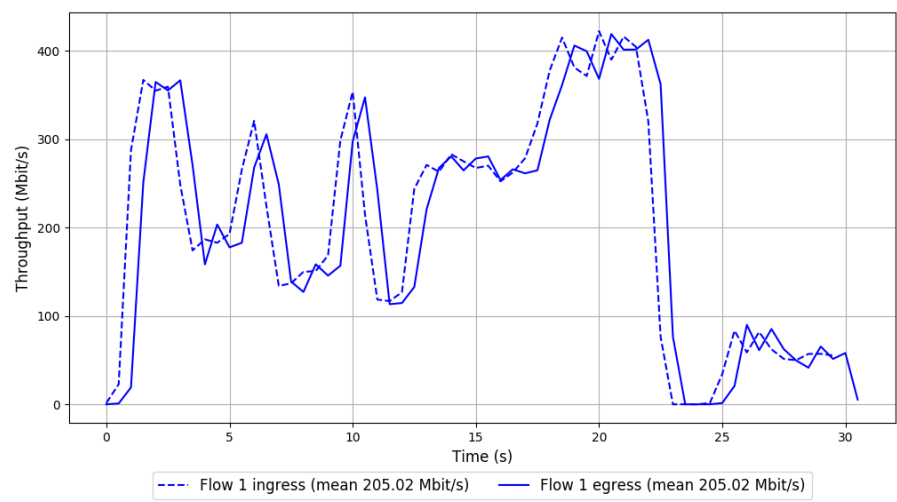


Run 8: Statistics of Copa

Start at: 2018-05-26 00:00:34
End at: 2018-05-26 00:01:04
Local clock offset: 0.235 ms
Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-26 01:22:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.02 Mbit/s
95th percentile per-packet one-way delay: 65.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.02 Mbit/s
95th percentile per-packet one-way delay: 65.971 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-26 00:21:08

End at: 2018-05-26 00:21:38

Local clock offset: -0.134 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-05-26 01:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.25 Mbit/s

95th percentile per-packet one-way delay: 58.374 ms

Loss rate: 0.00%

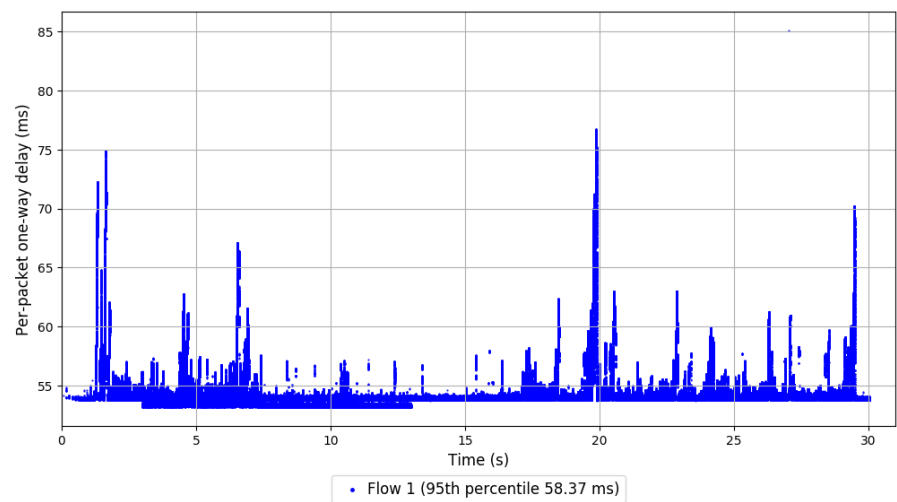
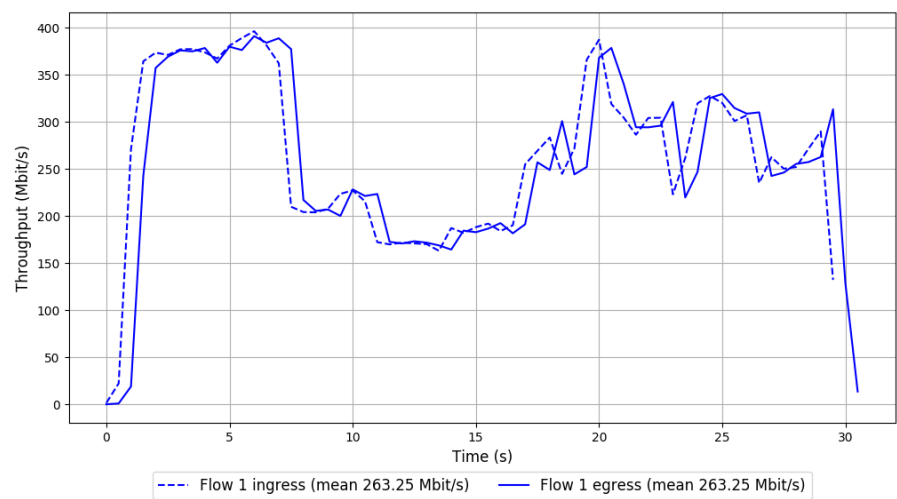
-- Flow 1:

Average throughput: 263.25 Mbit/s

95th percentile per-packet one-way delay: 58.374 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-26 00:42:05

End at: 2018-05-26 00:42:35

Local clock offset: 0.038 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-05-26 01:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.99 Mbit/s

95th percentile per-packet one-way delay: 55.453 ms

Loss rate: 0.01%

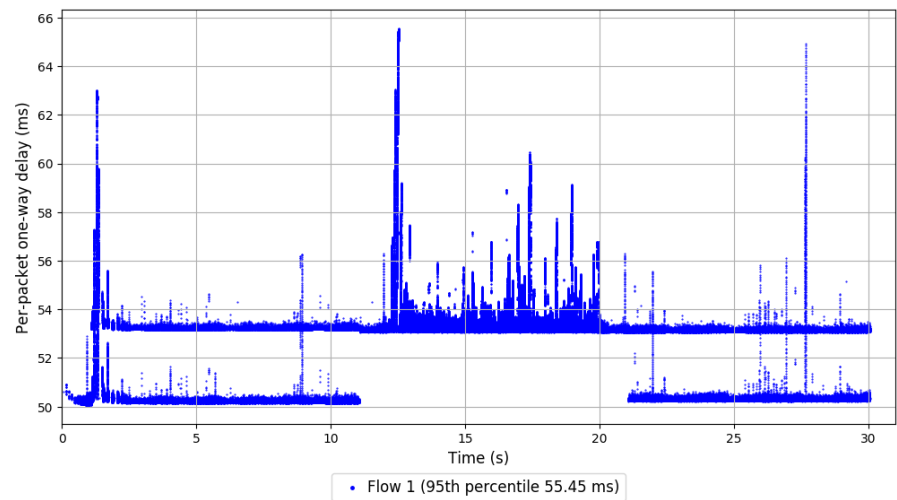
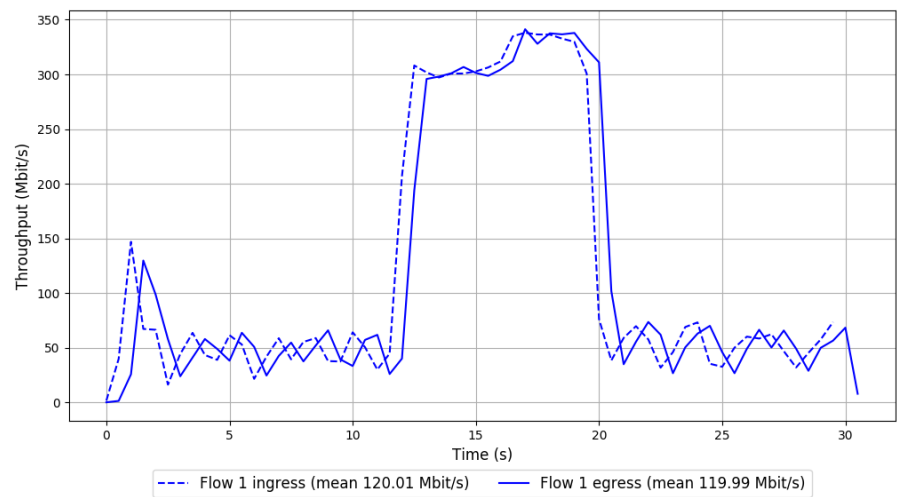
-- Flow 1:

Average throughput: 119.99 Mbit/s

95th percentile per-packet one-way delay: 55.453 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-25 21:33:22

End at: 2018-05-25 21:33:52

Local clock offset: -0.132 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-05-26 01:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.47 Mbit/s

95th percentile per-packet one-way delay: 61.547 ms

Loss rate: 0.12%

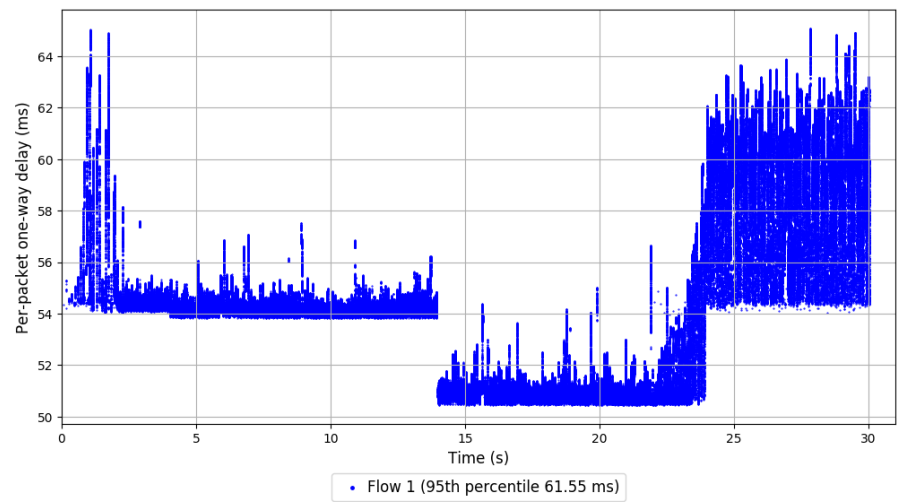
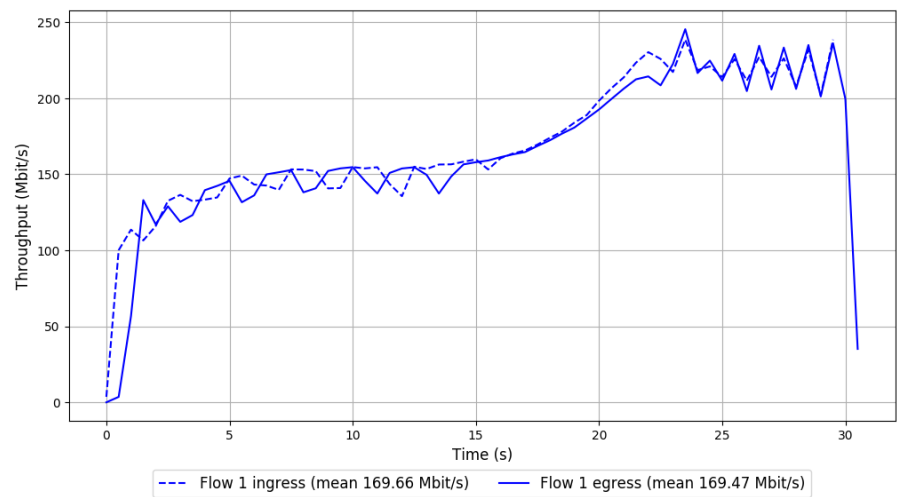
-- Flow 1:

Average throughput: 169.47 Mbit/s

95th percentile per-packet one-way delay: 61.547 ms

Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link

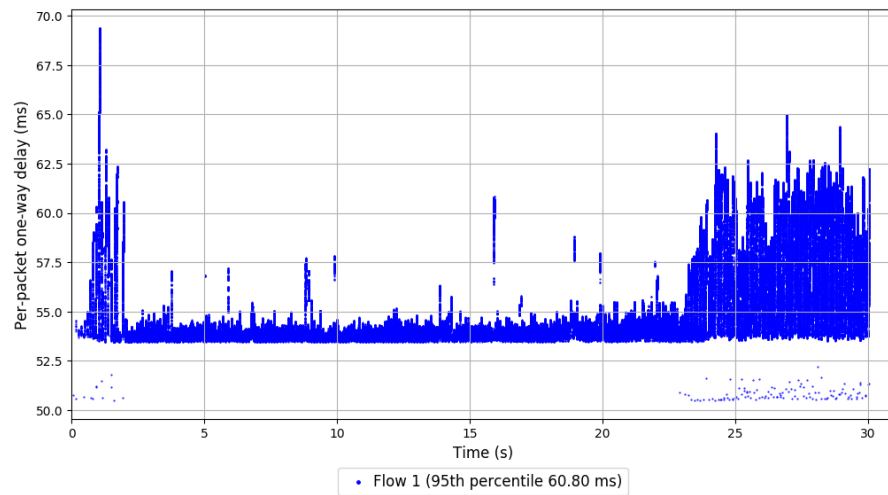
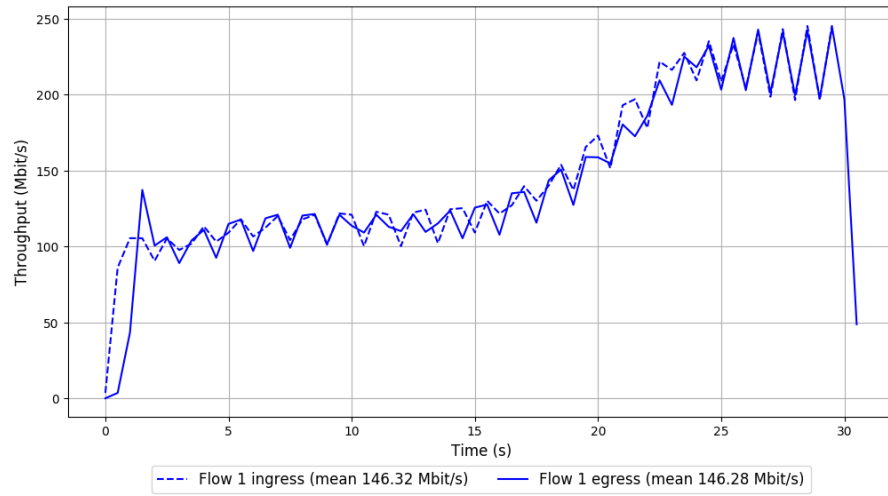


Run 2: Statistics of TCP Cubic

Start at: 2018-05-25 21:53:34
End at: 2018-05-25 21:54:04
Local clock offset: -0.081 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-26 01:22:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.28 Mbit/s
95th percentile per-packet one-way delay: 60.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.28 Mbit/s
95th percentile per-packet one-way delay: 60.796 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-25 22:13:52

End at: 2018-05-25 22:14:22

Local clock offset: -0.054 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-26 01:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.74 Mbit/s

95th percentile per-packet one-way delay: 59.356 ms

Loss rate: 0.00%

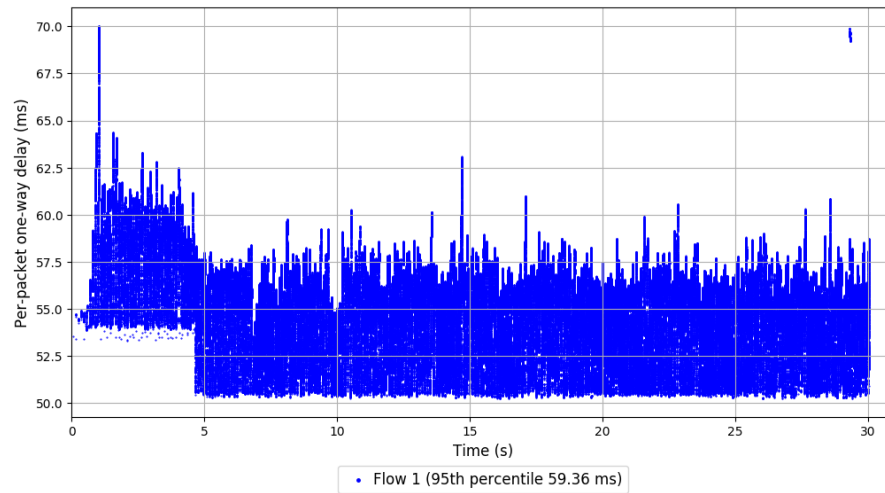
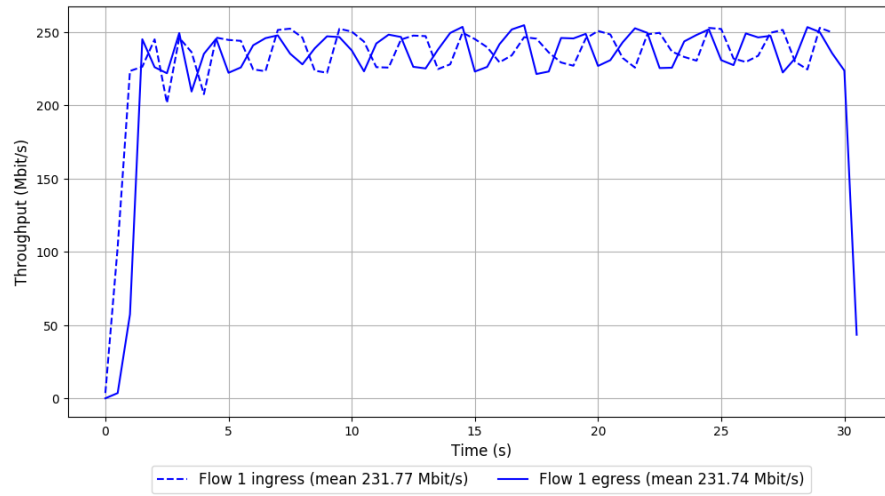
-- Flow 1:

Average throughput: 231.74 Mbit/s

95th percentile per-packet one-way delay: 59.356 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

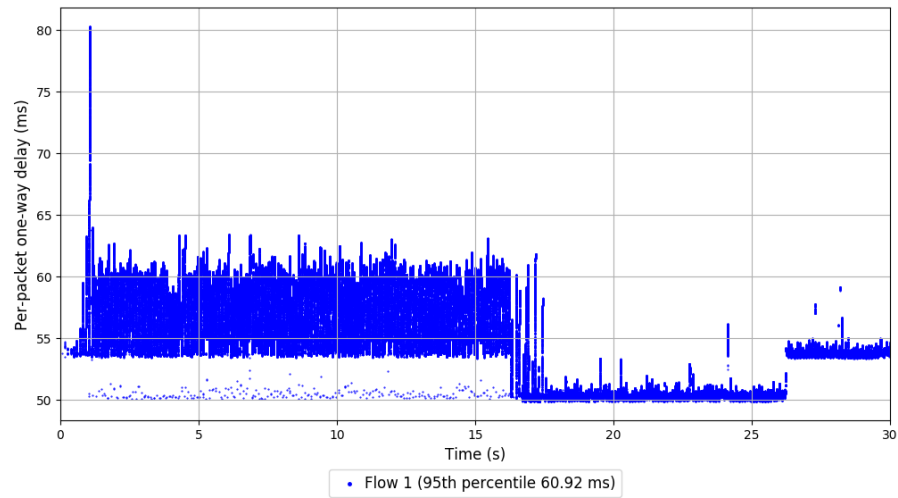
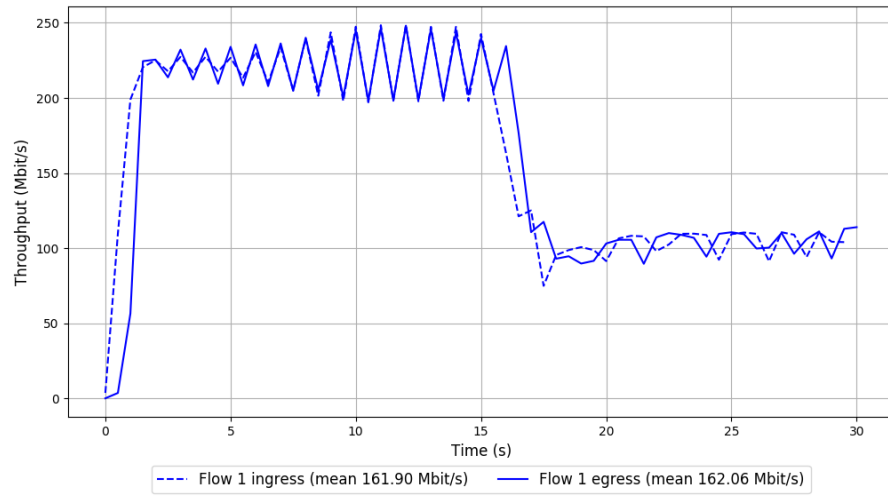


Run 4: Statistics of TCP Cubic

Start at: 2018-05-25 22:34:20
End at: 2018-05-25 22:34:50
Local clock offset: -0.026 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-26 01:22:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.06 Mbit/s
95th percentile per-packet one-way delay: 60.923 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 162.06 Mbit/s
95th percentile per-packet one-way delay: 60.923 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-25 22:54:38

End at: 2018-05-25 22:55:08

Local clock offset: 0.098 ms

Remote clock offset: 0.354 ms

Below is generated by plot.py at 2018-05-26 01:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.37 Mbit/s

95th percentile per-packet one-way delay: 57.474 ms

Loss rate: 0.00%

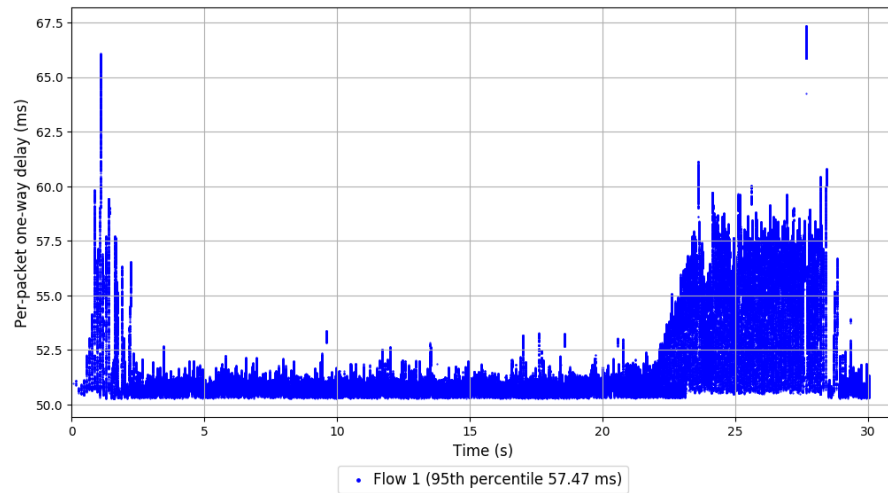
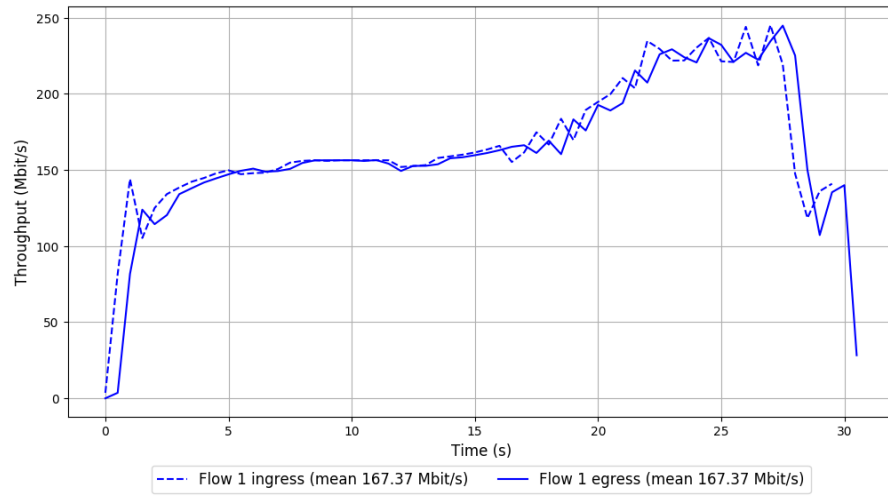
-- Flow 1:

Average throughput: 167.37 Mbit/s

95th percentile per-packet one-way delay: 57.474 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-25 23:15:05

End at: 2018-05-25 23:15:35

Local clock offset: -0.134 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-05-26 01:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.48 Mbit/s

95th percentile per-packet one-way delay: 60.111 ms

Loss rate: 0.00%

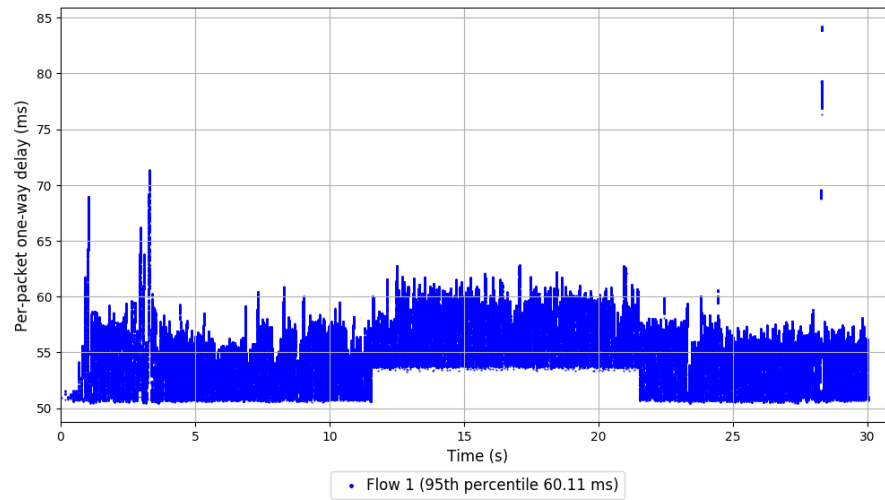
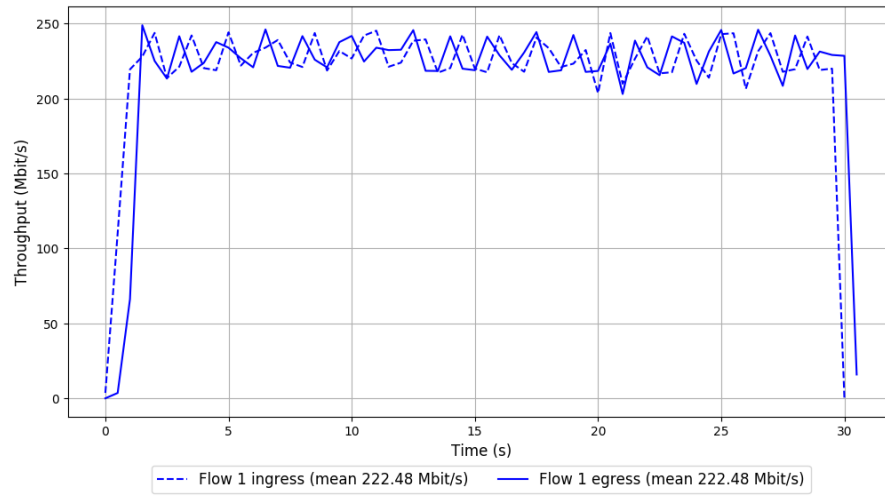
-- Flow 1:

Average throughput: 222.48 Mbit/s

95th percentile per-packet one-way delay: 60.111 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

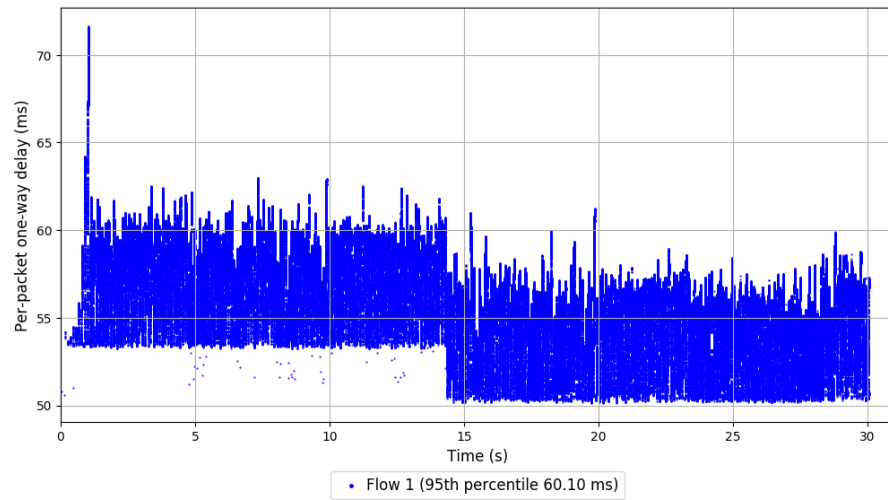
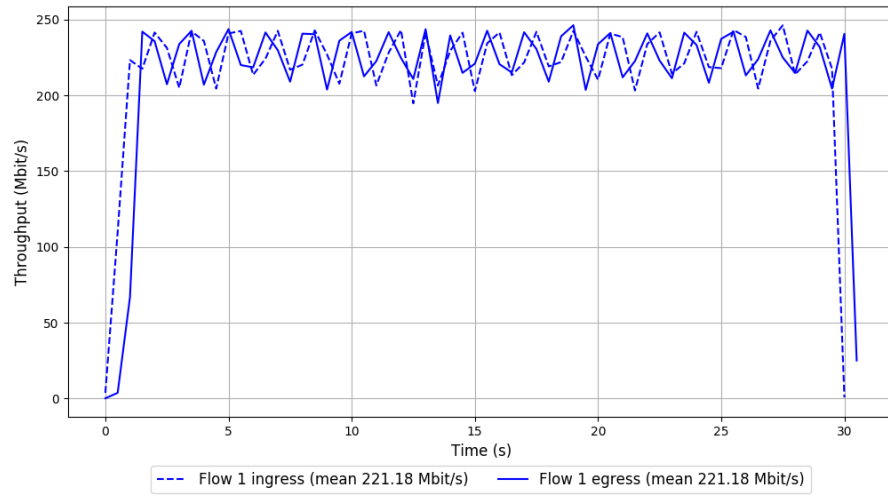


Run 7: Statistics of TCP Cubic

Start at: 2018-05-25 23:35:22
End at: 2018-05-25 23:35:52
Local clock offset: 0.019 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-26 01:22:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 60.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 60.096 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

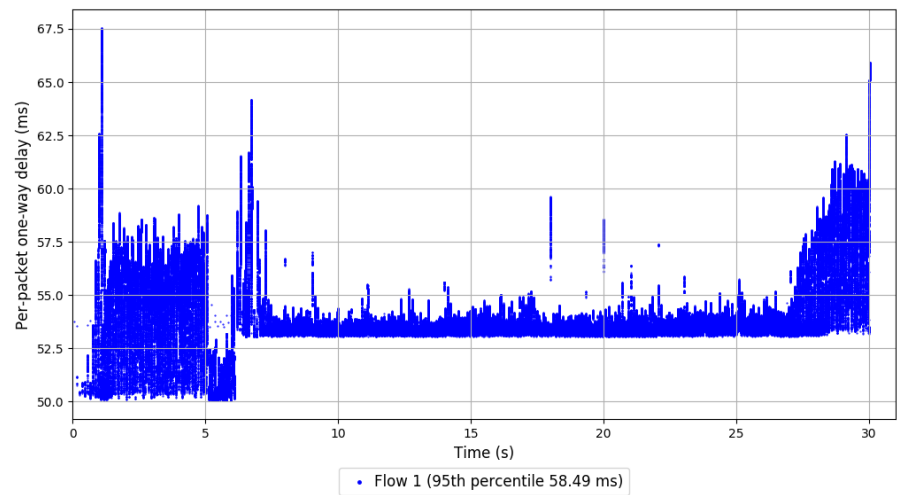
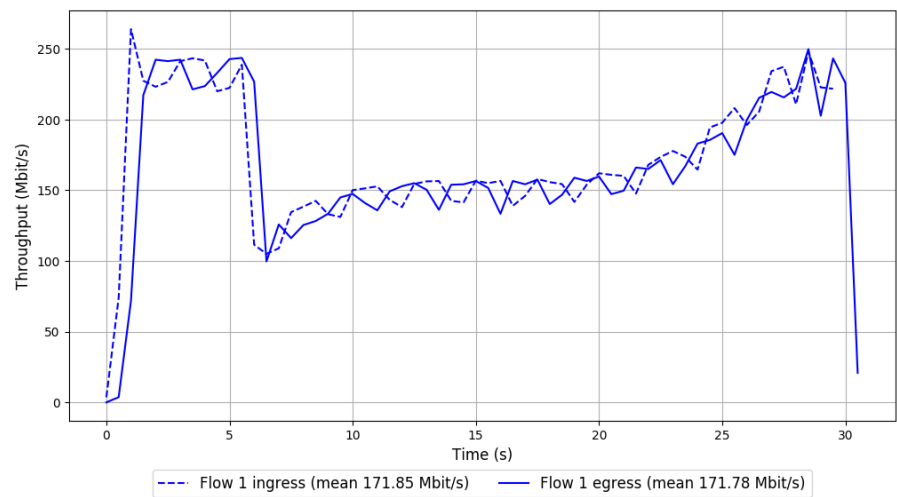


Run 8: Statistics of TCP Cubic

Start at: 2018-05-25 23:56:20
End at: 2018-05-25 23:56:50
Local clock offset: 0.04 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-26 01:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 58.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 58.492 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-26 00:16:51

End at: 2018-05-26 00:17:21

Local clock offset: 0.158 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-05-26 01:24:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.61 Mbit/s

95th percentile per-packet one-way delay: 60.166 ms

Loss rate: 0.00%

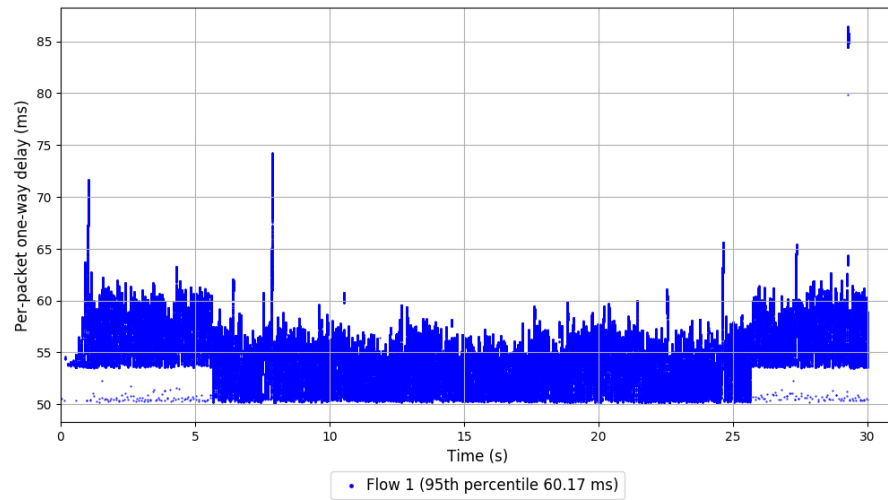
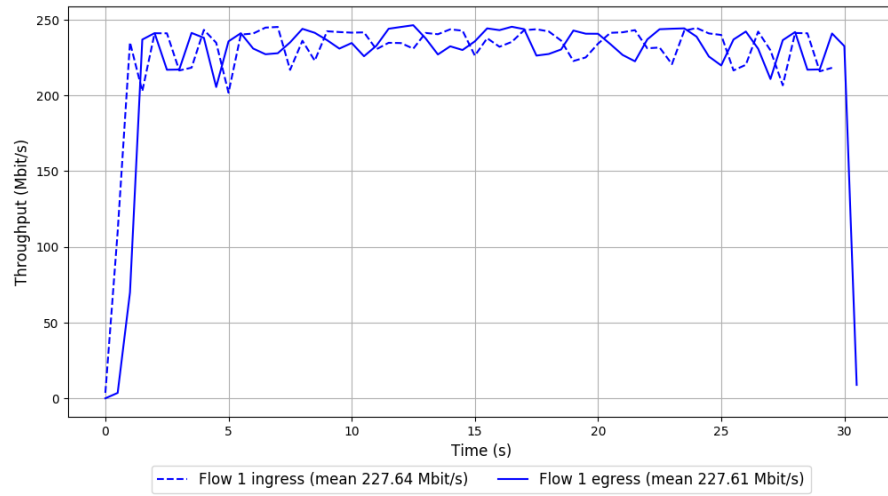
-- Flow 1:

Average throughput: 227.61 Mbit/s

95th percentile per-packet one-way delay: 60.166 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-26 00:37:54

End at: 2018-05-26 00:38:24

Local clock offset: -0.031 ms

Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-05-26 01:24:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.43 Mbit/s

95th percentile per-packet one-way delay: 53.975 ms

Loss rate: 0.00%

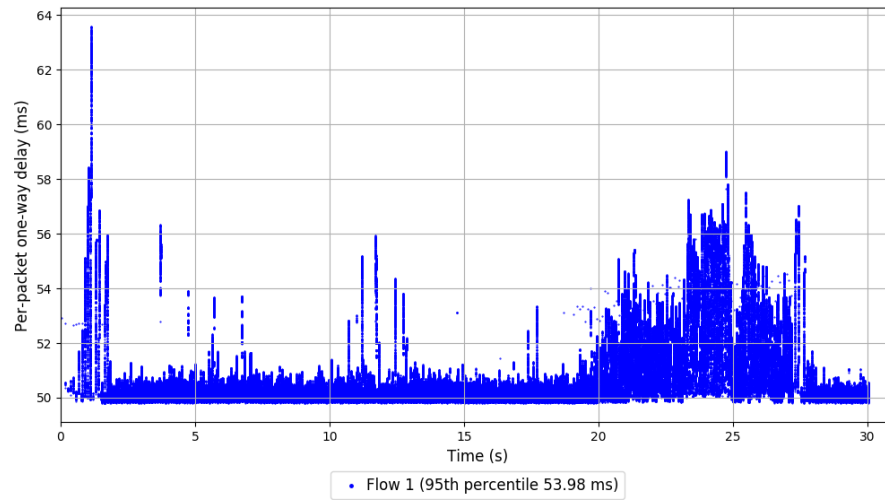
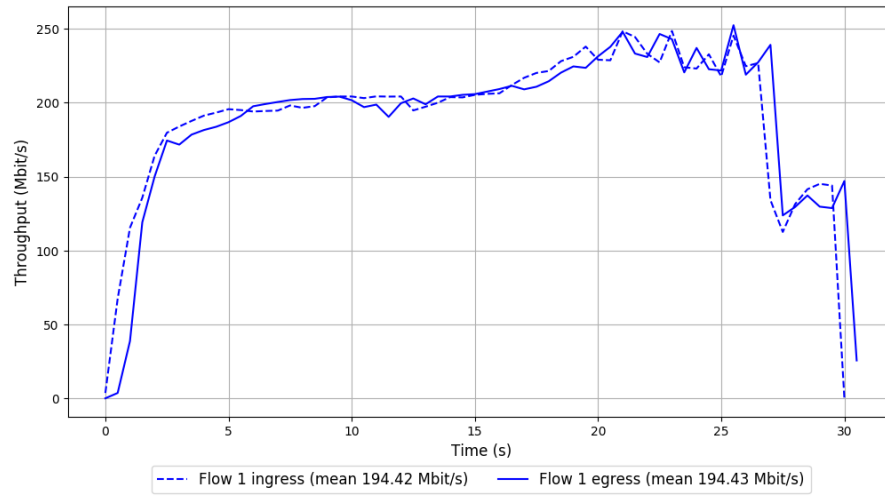
-- Flow 1:

Average throughput: 194.43 Mbit/s

95th percentile per-packet one-way delay: 53.975 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-25 21:35:52

End at: 2018-05-25 21:36:22

Local clock offset: -0.148 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-26 01:38:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 864.03 Mbit/s

95th percentile per-packet one-way delay: 116.630 ms

Loss rate: 1.06%

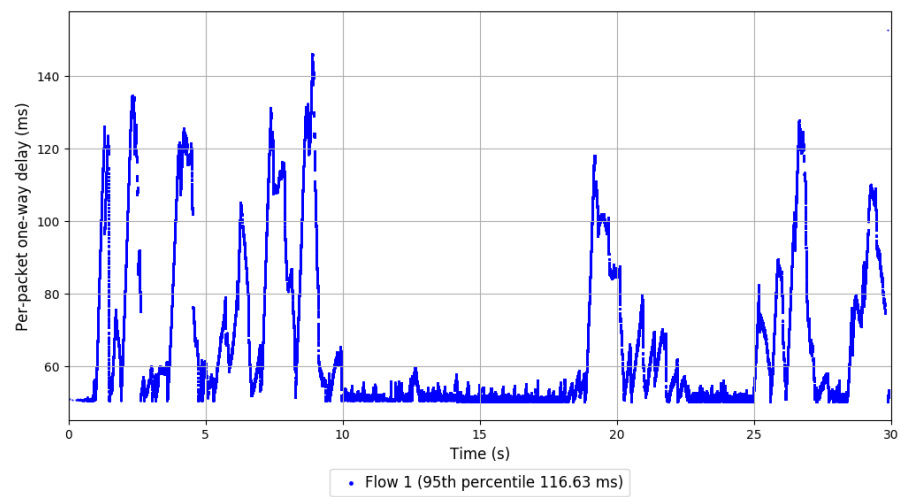
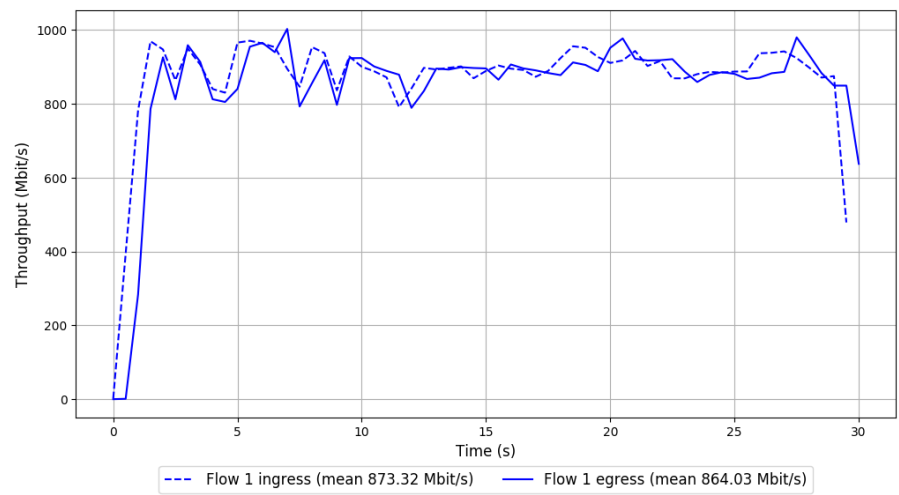
-- Flow 1:

Average throughput: 864.03 Mbit/s

95th percentile per-packet one-way delay: 116.630 ms

Loss rate: 1.06%

Run 1: Report of FillP — Data Link

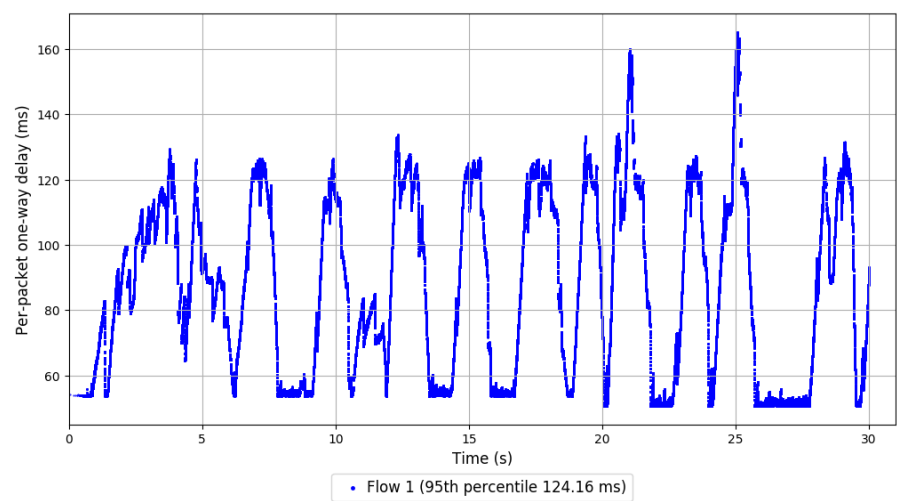
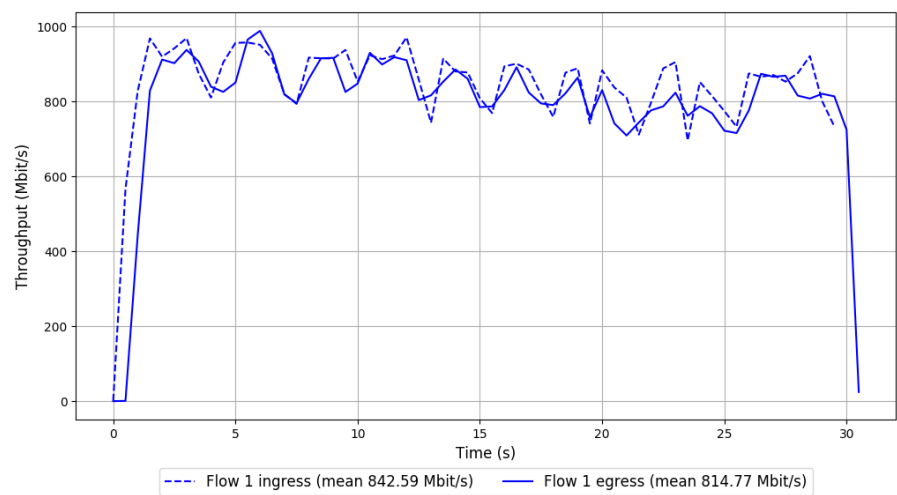


Run 2: Statistics of FillP

Start at: 2018-05-25 21:56:06
End at: 2018-05-25 21:56:36
Local clock offset: -0.23 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-26 01:39:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 814.77 Mbit/s
95th percentile per-packet one-way delay: 124.163 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 814.77 Mbit/s
95th percentile per-packet one-way delay: 124.163 ms
Loss rate: 3.30%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-25 22:16:26

End at: 2018-05-25 22:16:56

Local clock offset: 0.007 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-05-26 01:40:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 842.88 Mbit/s

95th percentile per-packet one-way delay: 120.699 ms

Loss rate: 1.92%

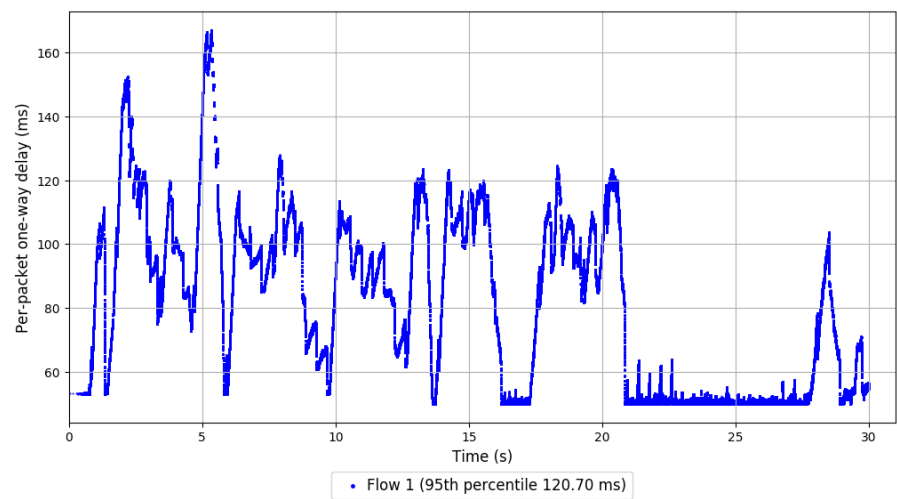
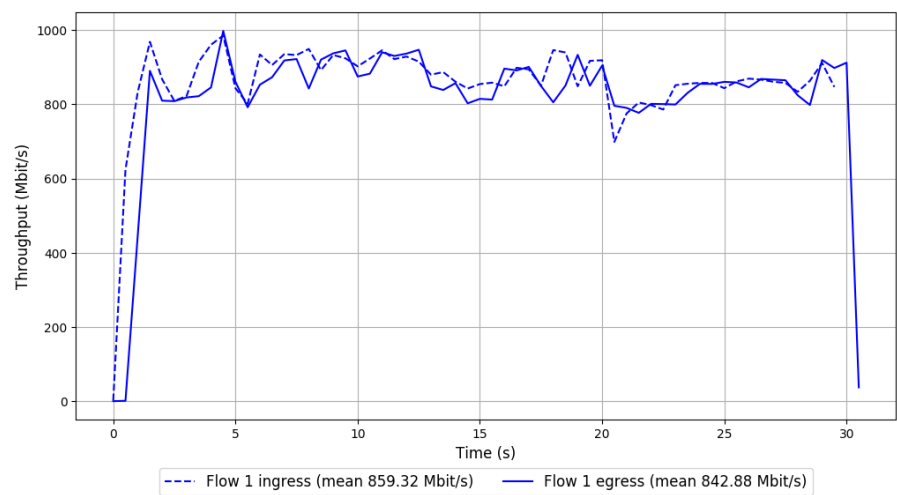
-- Flow 1:

Average throughput: 842.88 Mbit/s

95th percentile per-packet one-way delay: 120.699 ms

Loss rate: 1.92%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-25 22:36:54

End at: 2018-05-25 22:37:24

Local clock offset: 0.09 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-26 01:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 870.30 Mbit/s

95th percentile per-packet one-way delay: 131.196 ms

Loss rate: 2.28%

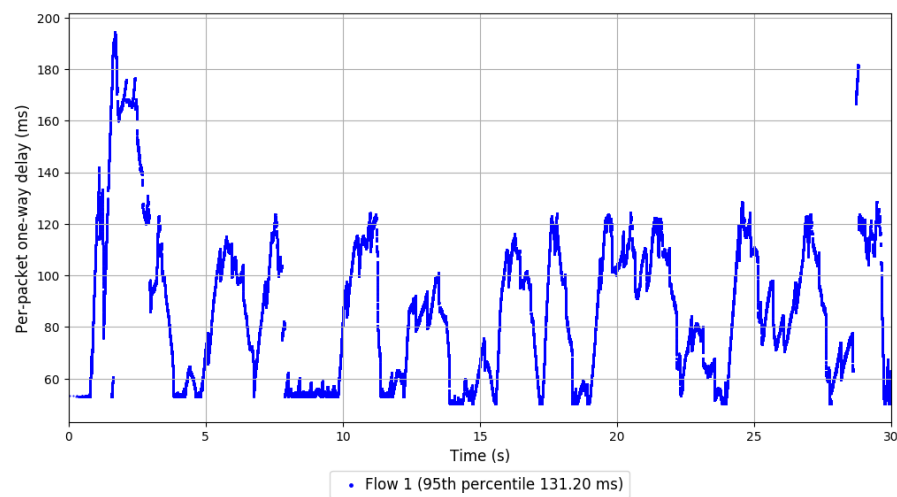
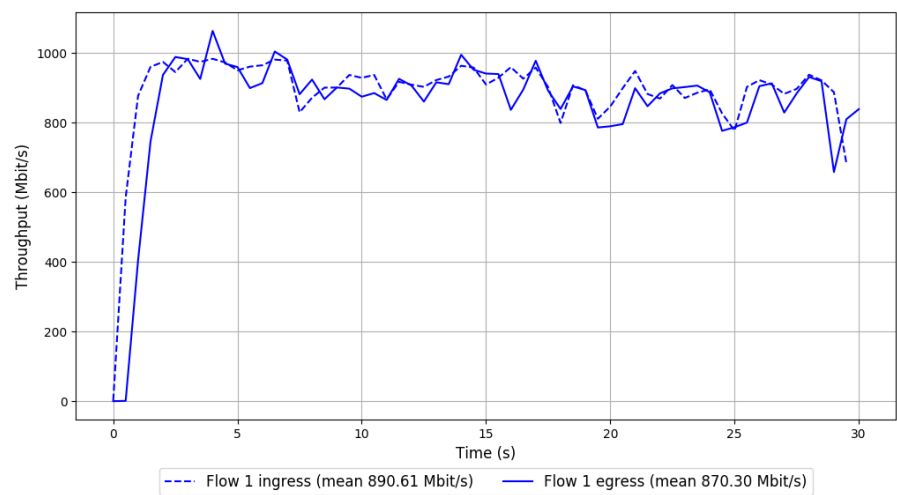
-- Flow 1:

Average throughput: 870.30 Mbit/s

95th percentile per-packet one-way delay: 131.196 ms

Loss rate: 2.28%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-25 22:57:11

End at: 2018-05-25 22:57:41

Local clock offset: -0.017 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-05-26 01:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 901.27 Mbit/s

95th percentile per-packet one-way delay: 116.248 ms

Loss rate: 1.39%

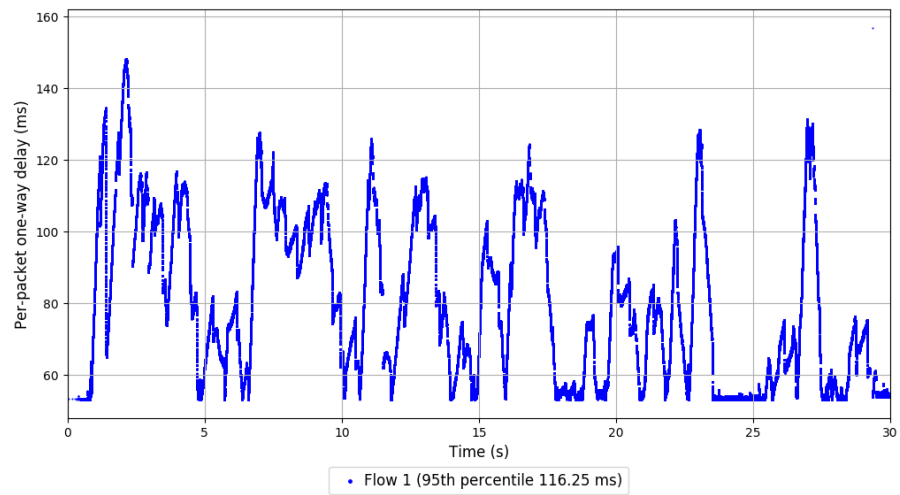
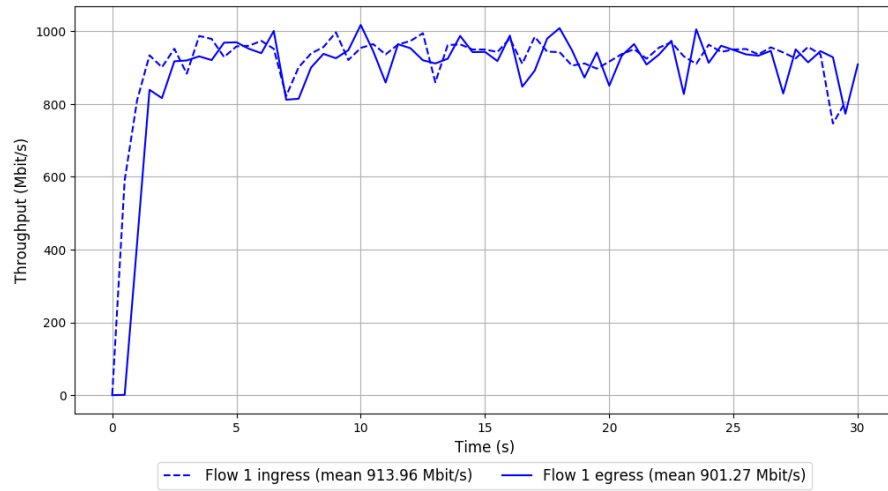
-- Flow 1:

Average throughput: 901.27 Mbit/s

95th percentile per-packet one-way delay: 116.248 ms

Loss rate: 1.39%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-25 23:17:41

End at: 2018-05-25 23:18:11

Local clock offset: 0.028 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-05-26 01:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 882.36 Mbit/s

95th percentile per-packet one-way delay: 115.719 ms

Loss rate: 0.78%

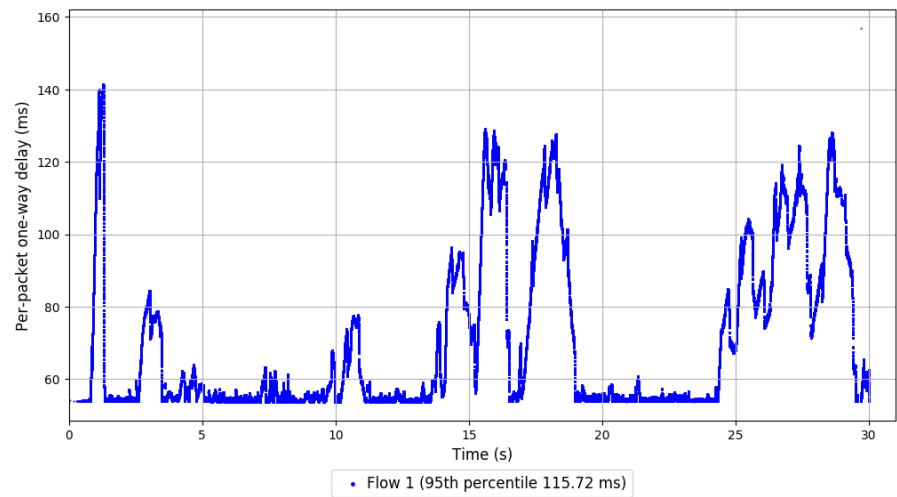
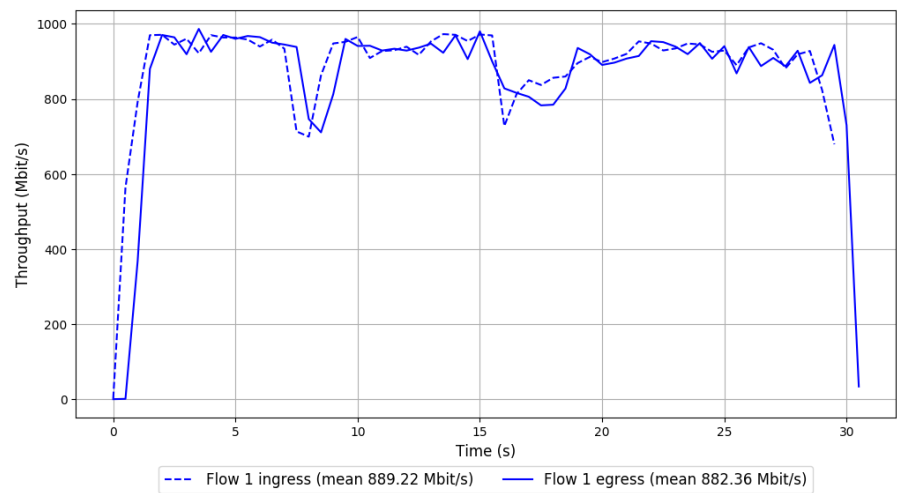
-- Flow 1:

Average throughput: 882.36 Mbit/s

95th percentile per-packet one-way delay: 115.719 ms

Loss rate: 0.78%

Run 6: Report of FillP — Data Link

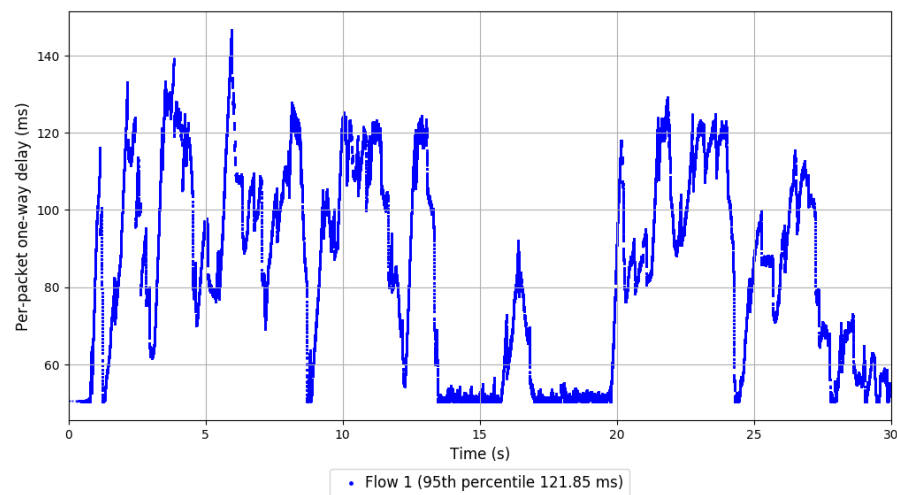
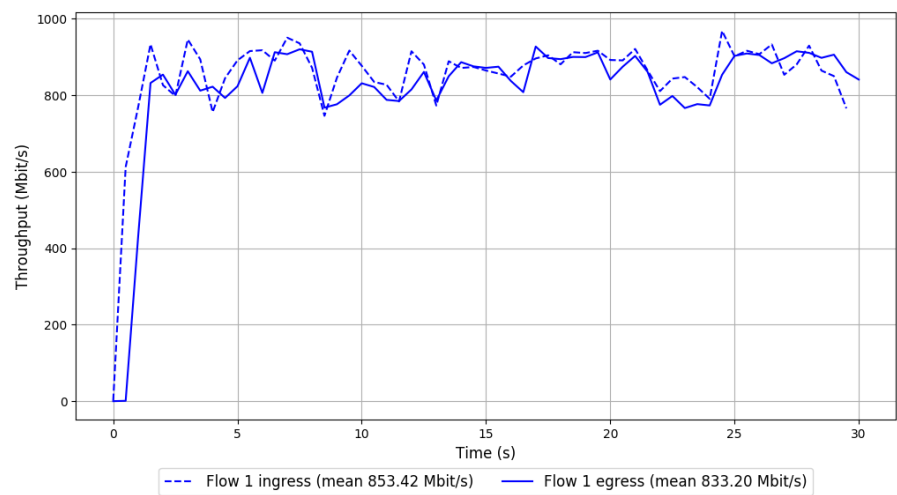


Run 7: Statistics of FillP

Start at: 2018-05-25 23:37:57
End at: 2018-05-25 23:38:27
Local clock offset: -0.283 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-26 01:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 833.20 Mbit/s
95th percentile per-packet one-way delay: 121.851 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 833.20 Mbit/s
95th percentile per-packet one-way delay: 121.851 ms
Loss rate: 2.36%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-25 23:58:52

End at: 2018-05-25 23:59:22

Local clock offset: -0.156 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-05-26 01:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 919.59 Mbit/s

95th percentile per-packet one-way delay: 114.597 ms

Loss rate: 0.32%

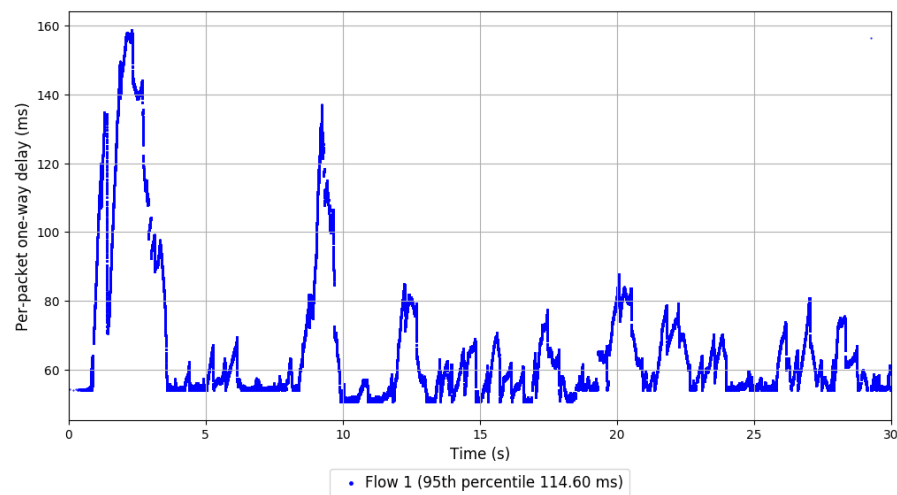
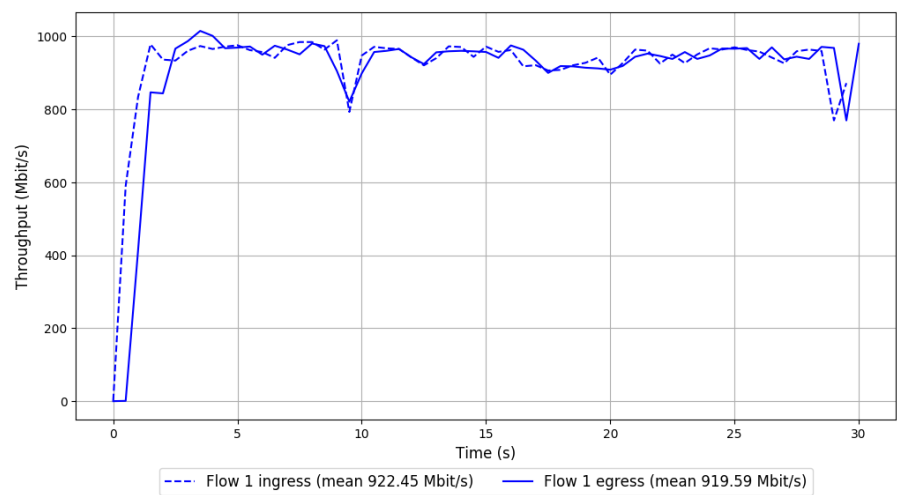
-- Flow 1:

Average throughput: 919.59 Mbit/s

95th percentile per-packet one-way delay: 114.597 ms

Loss rate: 0.32%

Run 8: Report of FillP — Data Link

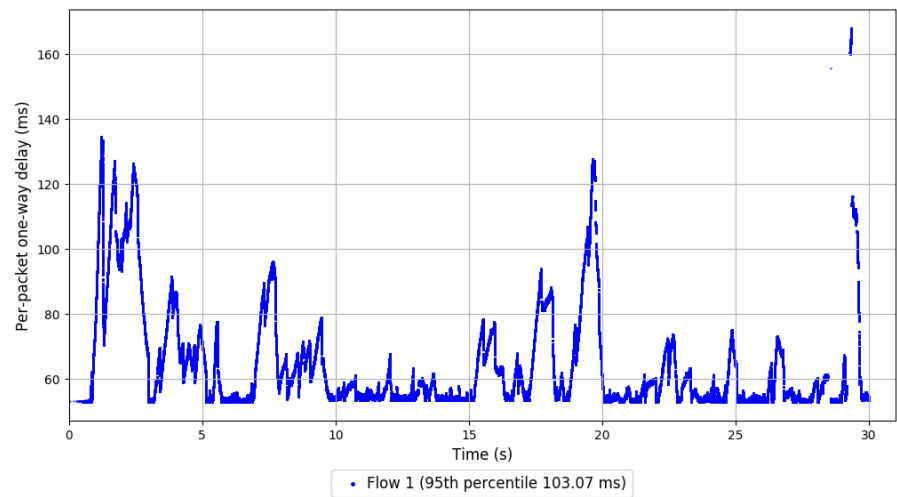
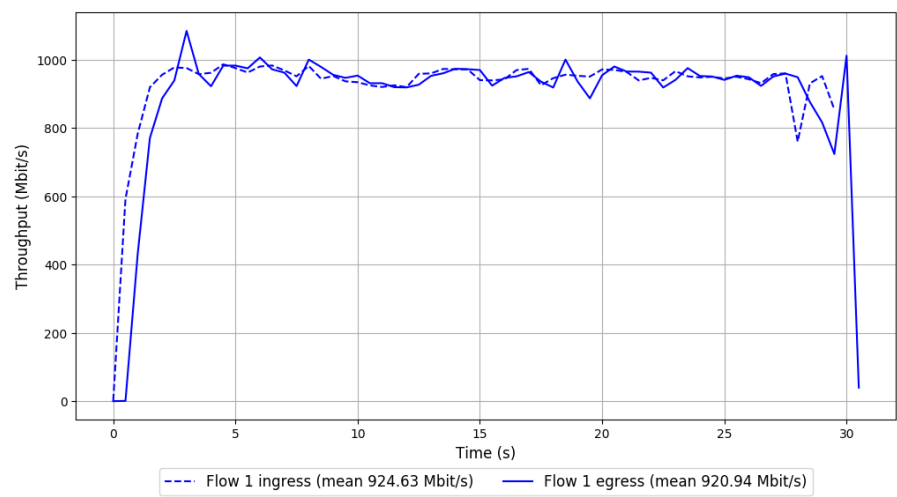


Run 9: Statistics of FillP

Start at: 2018-05-26 00:19:27
End at: 2018-05-26 00:19:57
Local clock offset: -0.019 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 920.94 Mbit/s
95th percentile per-packet one-way delay: 103.071 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 920.94 Mbit/s
95th percentile per-packet one-way delay: 103.071 ms
Loss rate: 0.41%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-26 00:40:26

End at: 2018-05-26 00:40:56

Local clock offset: 0.119 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 874.66 Mbit/s

95th percentile per-packet one-way delay: 160.537 ms

Loss rate: 1.61%

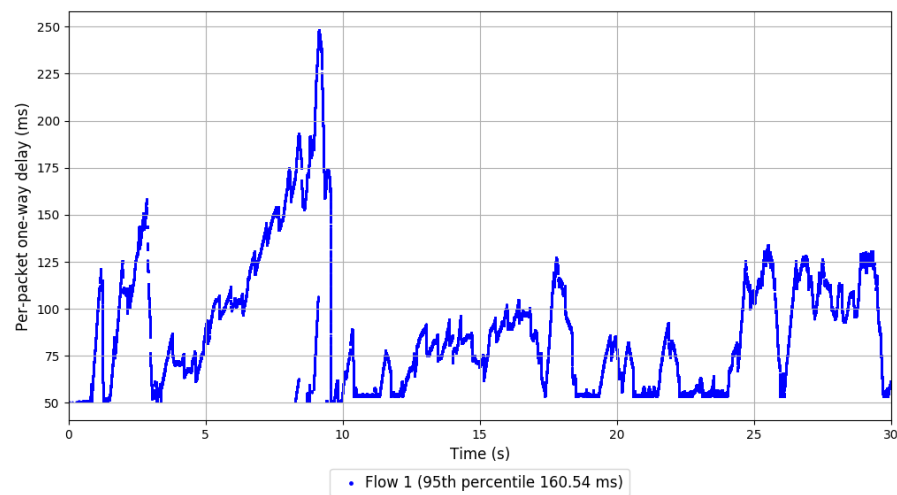
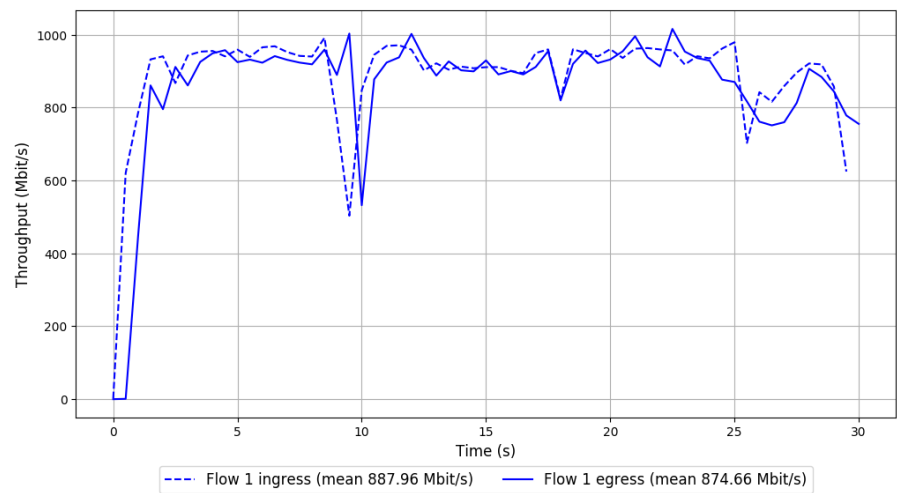
-- Flow 1:

Average throughput: 874.66 Mbit/s

95th percentile per-packet one-way delay: 160.537 ms

Loss rate: 1.61%

Run 10: Report of FillP — Data Link

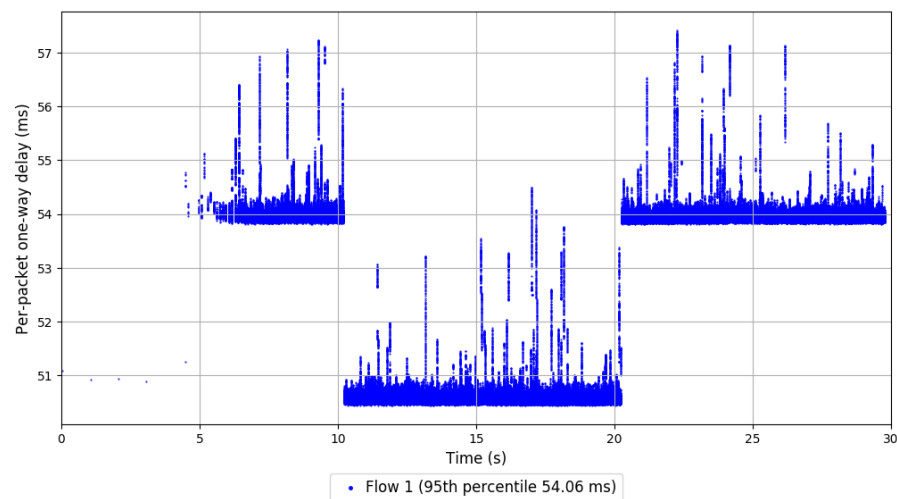
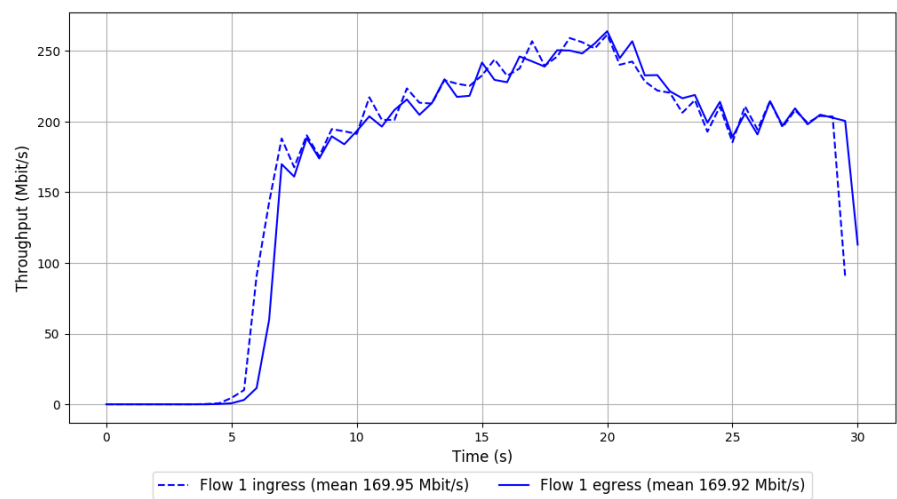


```
Run 1: Statistics of Indigo

Start at: 2018-05-25 21:34:36
End at: 2018-05-25 21:35:06
Local clock offset: 0.096 ms
Remote clock offset: 0.446 ms

# Below is generated by plot.py at 2018-05-26 01:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.92 Mbit/s
95th percentile per-packet one-way delay: 54.065 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 169.92 Mbit/s
95th percentile per-packet one-way delay: 54.065 ms
Loss rate: 0.02%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-25 21:54:47

End at: 2018-05-25 21:55:17

Local clock offset: 0.552 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.86 Mbit/s

95th percentile per-packet one-way delay: 53.443 ms

Loss rate: 0.01%

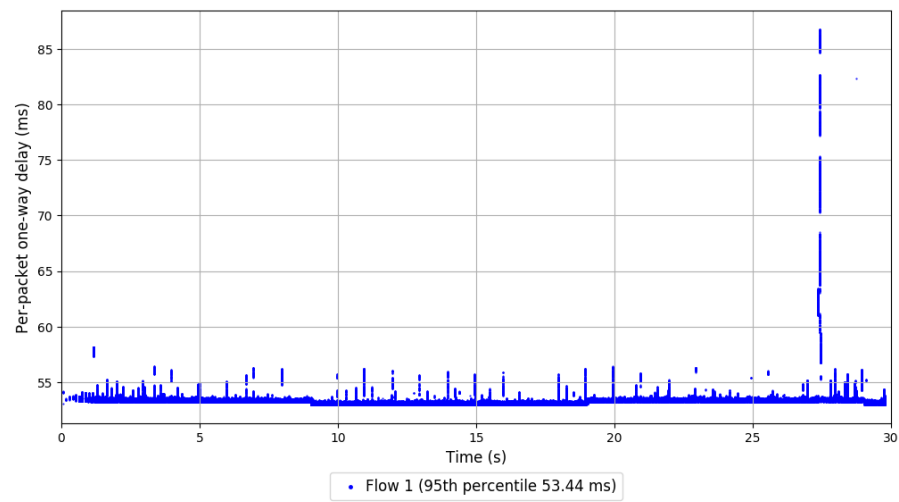
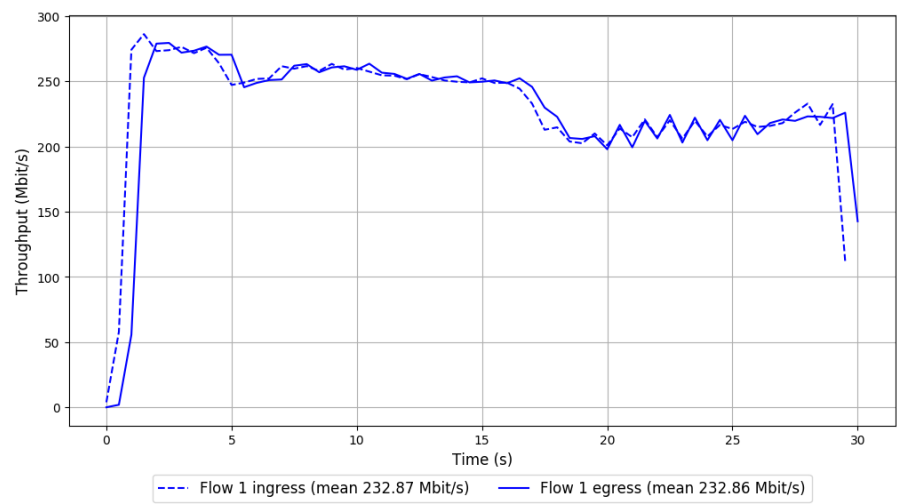
-- Flow 1:

Average throughput: 232.86 Mbit/s

95th percentile per-packet one-way delay: 53.443 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-25 22:15:08

End at: 2018-05-25 22:15:38

Local clock offset: -0.009 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.34 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.00%

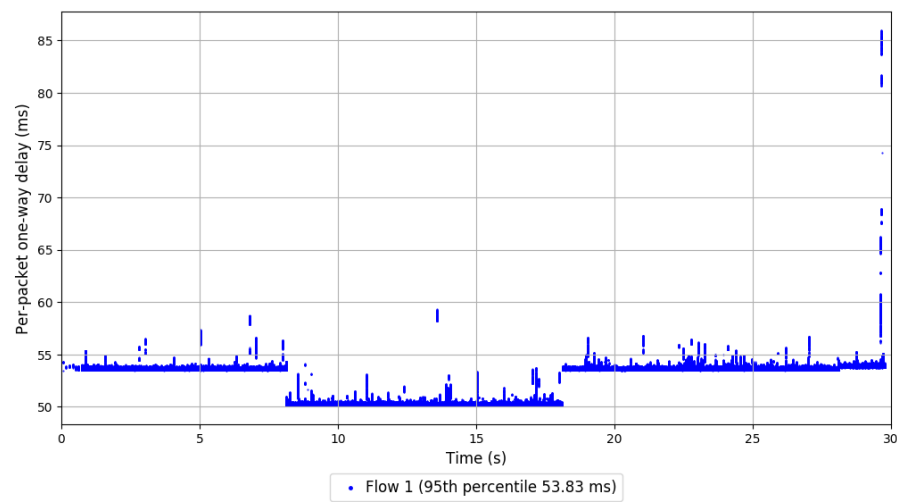
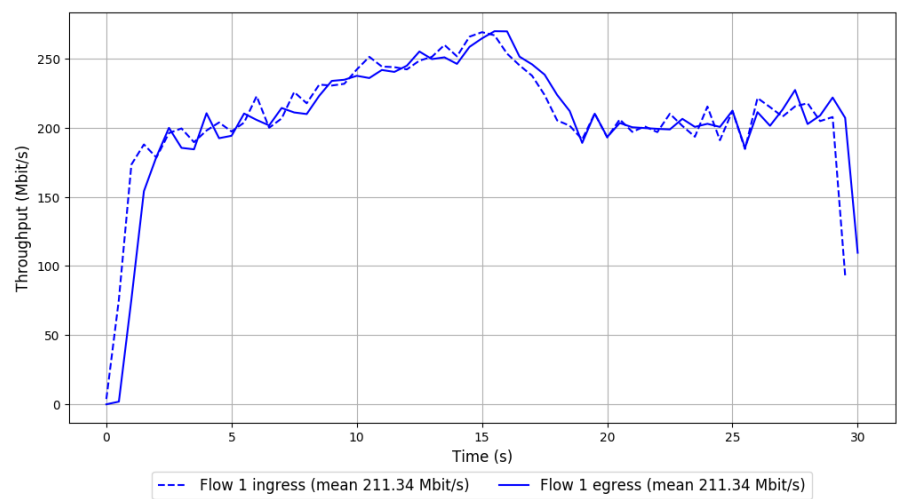
-- Flow 1:

Average throughput: 211.34 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

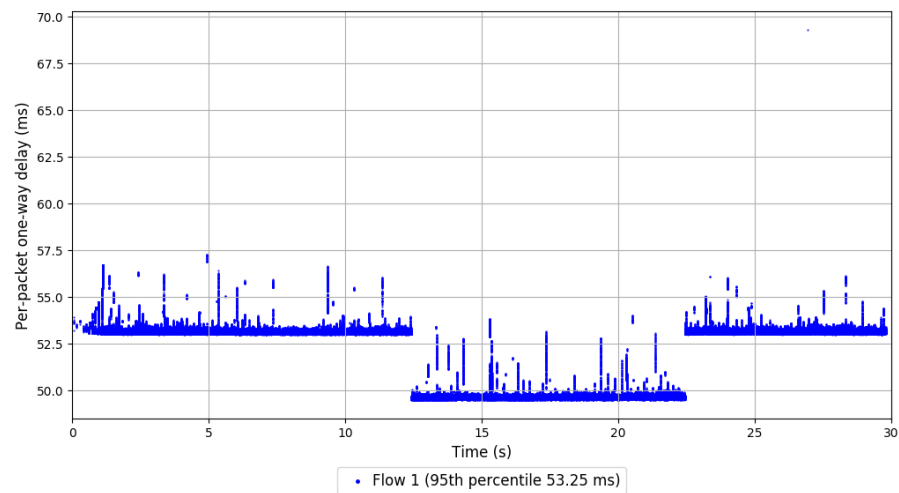
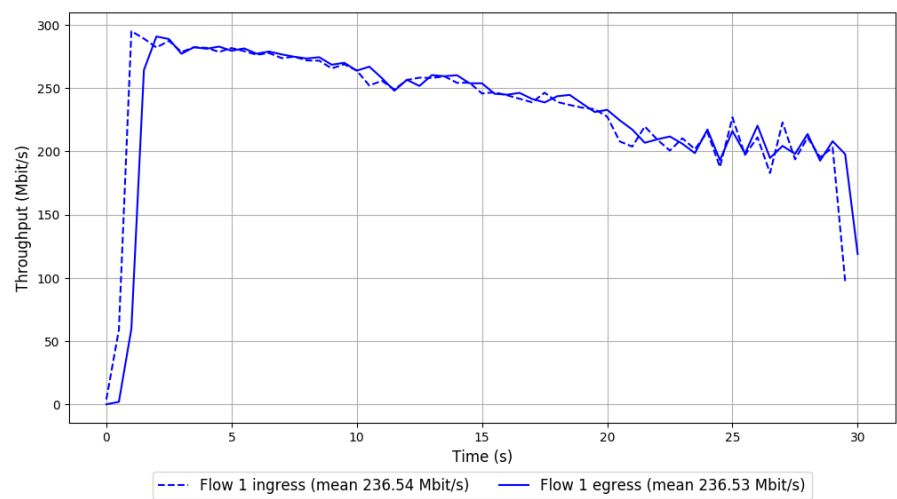


Run 4: Statistics of Indigo

Start at: 2018-05-25 22:35:34
End at: 2018-05-25 22:36:04
Local clock offset: 0.327 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.53 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 236.53 Mbit/s
95th percentile per-packet one-way delay: 53.253 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

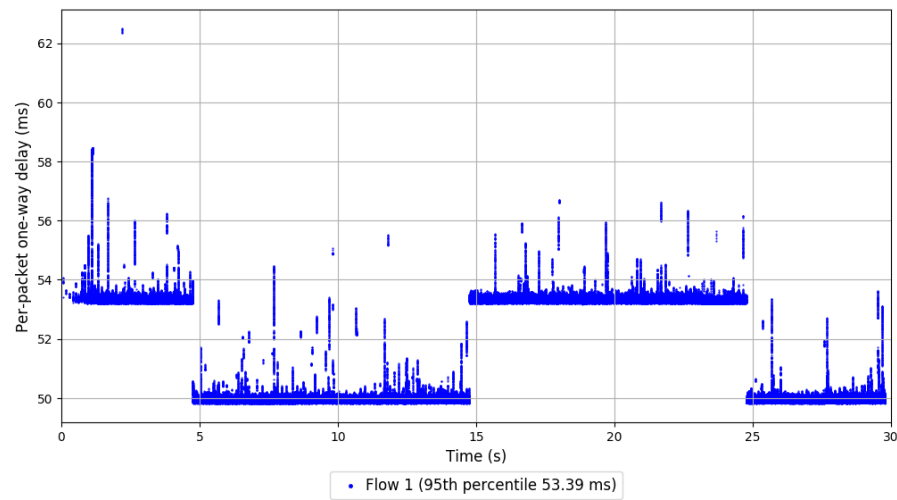
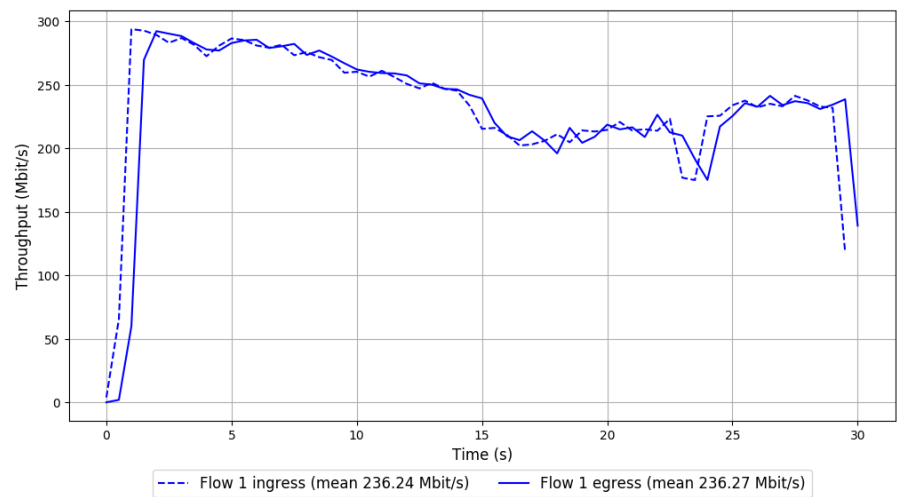


Run 5: Statistics of Indigo

Start at: 2018-05-25 22:55:51
End at: 2018-05-25 22:56:21
Local clock offset: 0.203 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.27 Mbit/s
95th percentile per-packet one-way delay: 53.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 236.27 Mbit/s
95th percentile per-packet one-way delay: 53.389 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

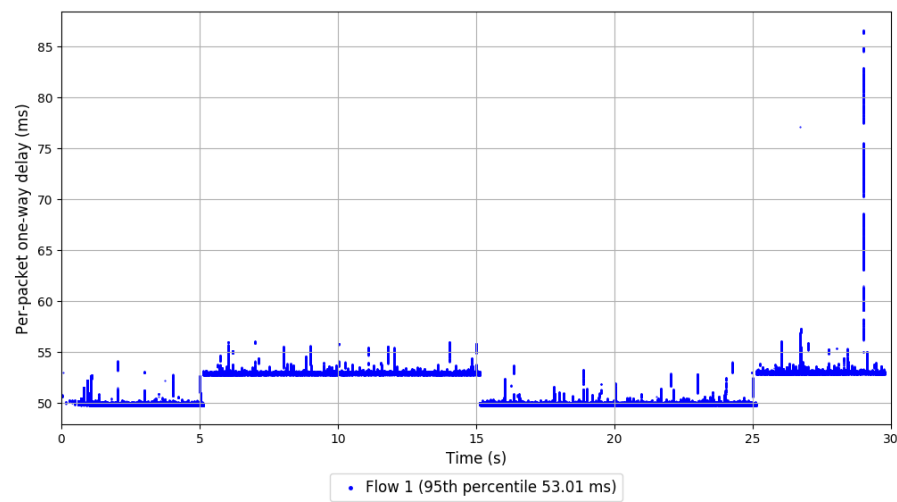
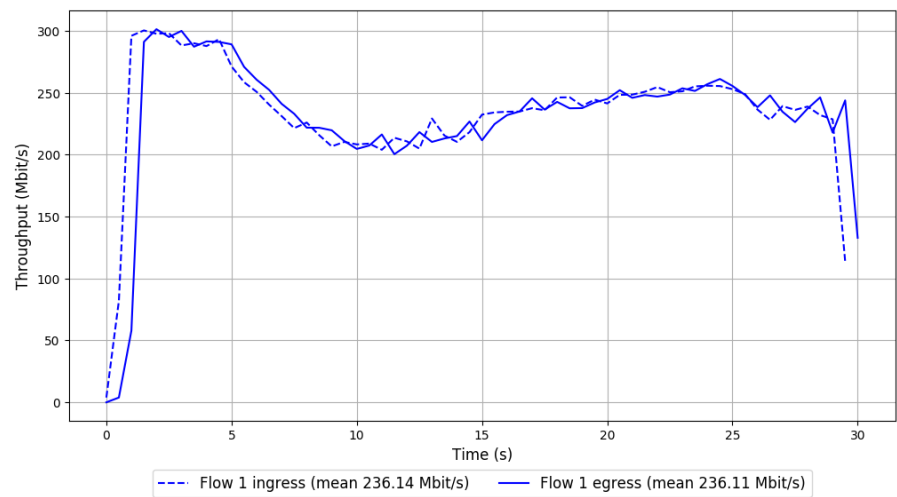


Run 6: Statistics of Indigo

Start at: 2018-05-25 23:16:21
End at: 2018-05-25 23:16:51
Local clock offset: 0.294 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.11 Mbit/s
95th percentile per-packet one-way delay: 53.008 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 236.11 Mbit/s
95th percentile per-packet one-way delay: 53.008 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-25 23:36:38

End at: 2018-05-25 23:37:08

Local clock offset: -0.195 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.69 Mbit/s

95th percentile per-packet one-way delay: 53.944 ms

Loss rate: 0.00%

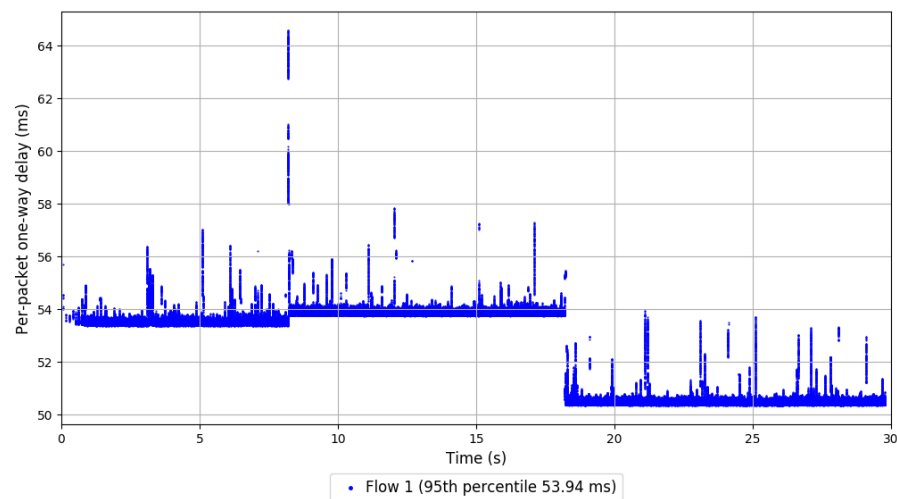
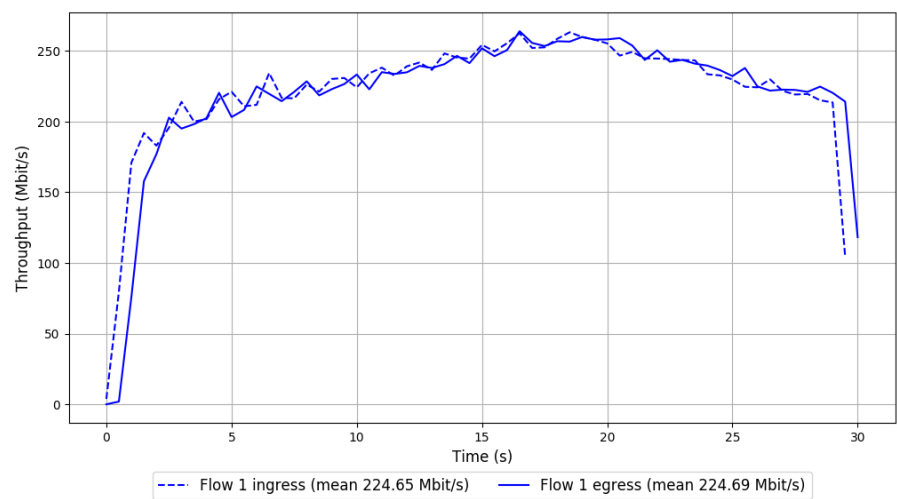
-- Flow 1:

Average throughput: 224.69 Mbit/s

95th percentile per-packet one-way delay: 53.944 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-25 23:57:34

End at: 2018-05-25 23:58:04

Local clock offset: -0.202 ms

Remote clock offset: 0.374 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 54.326 ms

Loss rate: 0.01%

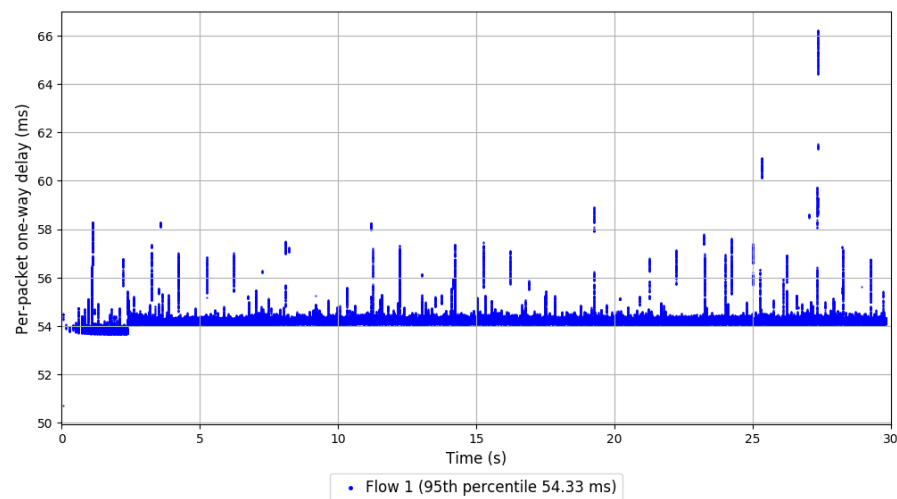
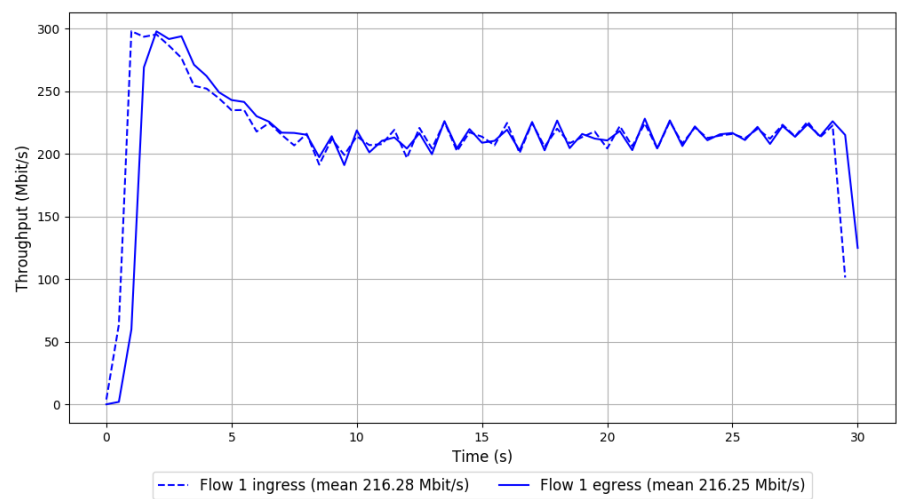
-- Flow 1:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 54.326 ms

Loss rate: 0.01%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-26 00:18:07

End at: 2018-05-26 00:18:37

Local clock offset: -0.44 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.61 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 0.01%

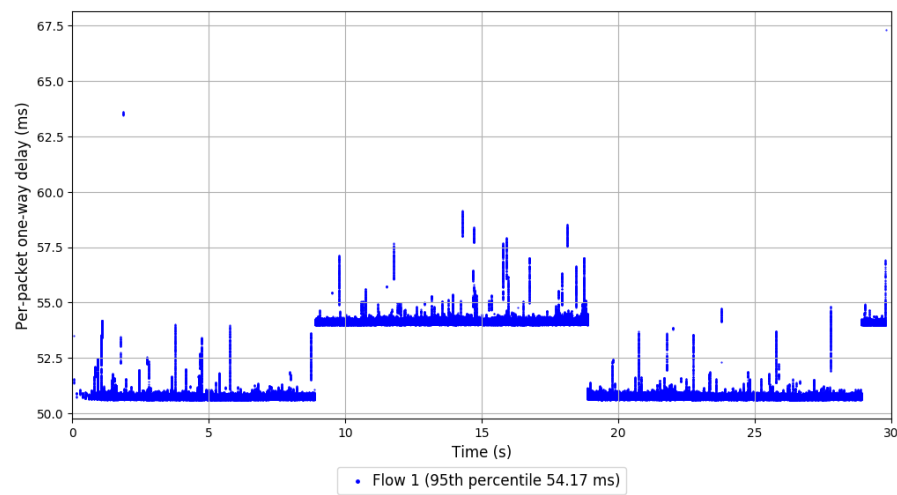
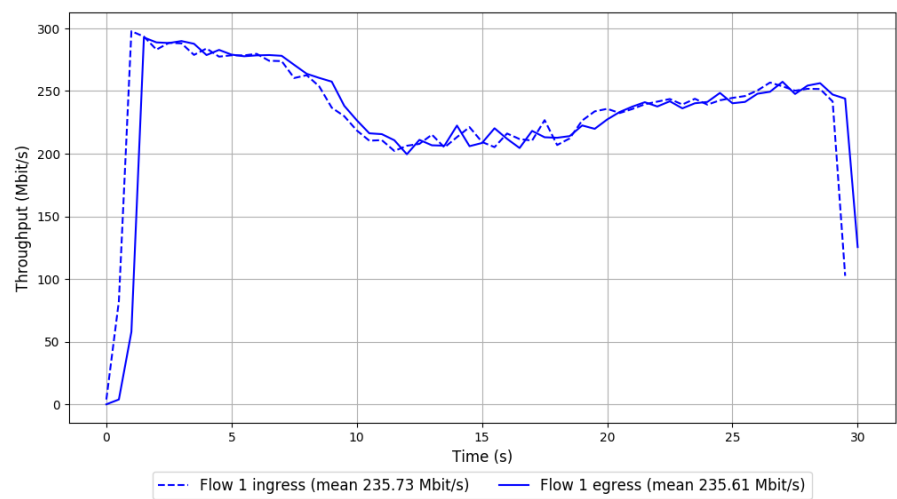
-- Flow 1:

Average throughput: 235.61 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 0.01%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-26 00:39:09

End at: 2018-05-26 00:39:39

Local clock offset: -0.379 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.55 Mbit/s

95th percentile per-packet one-way delay: 53.781 ms

Loss rate: 0.02%

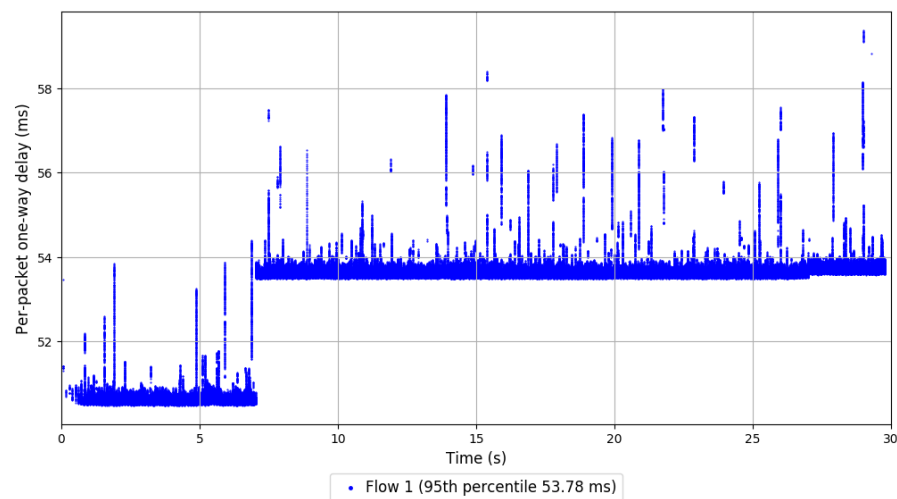
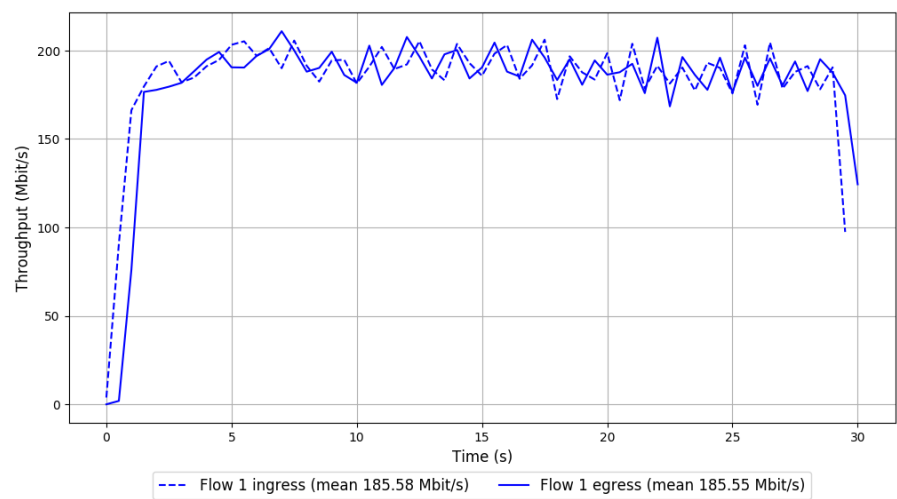
-- Flow 1:

Average throughput: 185.55 Mbit/s

95th percentile per-packet one-way delay: 53.781 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

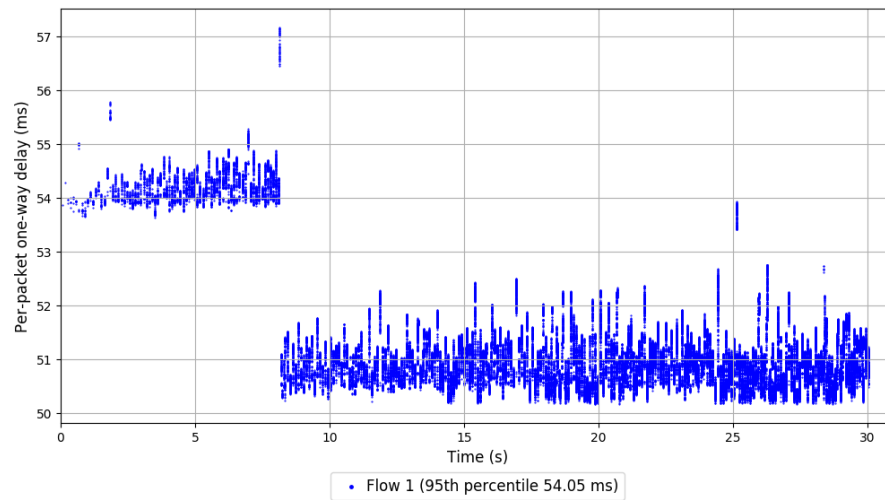
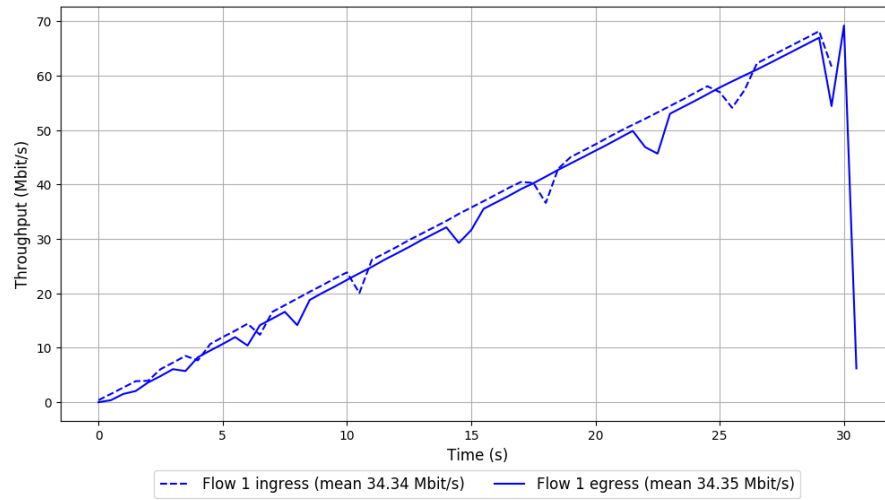


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-25 21:42:08
End at: 2018-05-25 21:42:38
Local clock offset: 0.234 ms
Remote clock offset: 0.297 ms

# Below is generated by plot.py at 2018-05-26 01:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 54.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 54.051 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

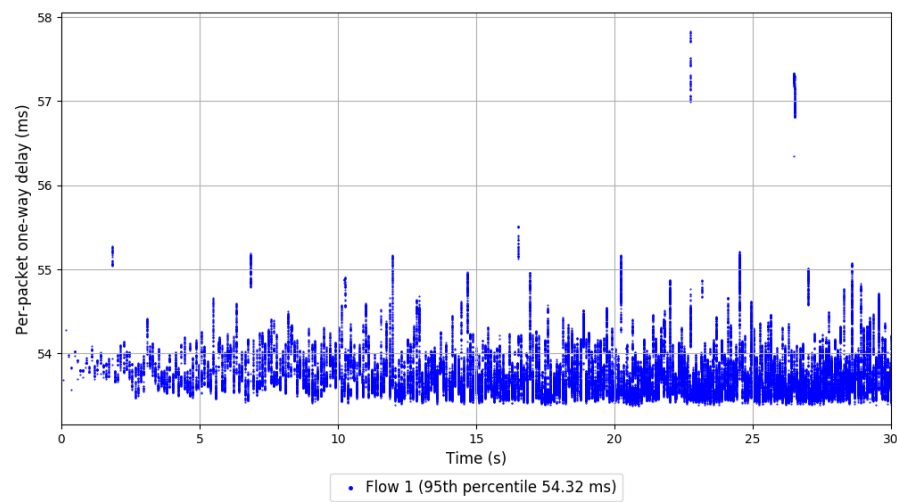
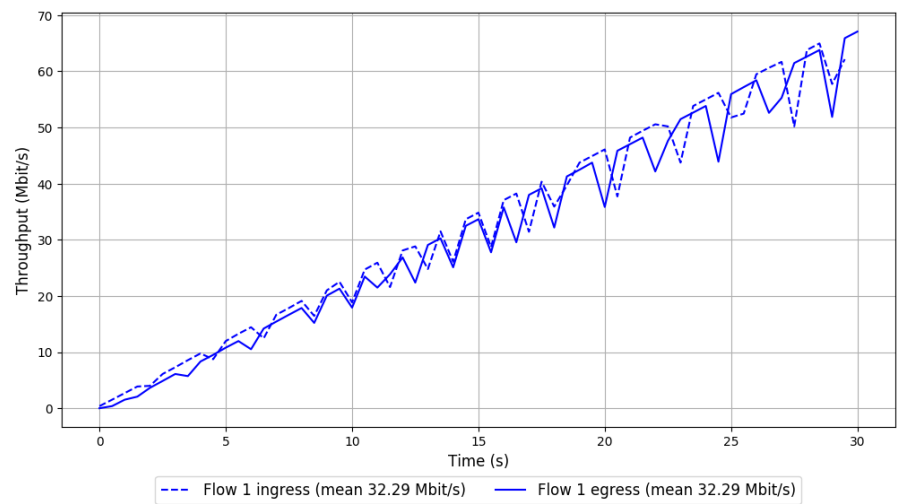


Run 2: Statistics of LEDBAT

Start at: 2018-05-25 22:02:16
End at: 2018-05-25 22:02:46
Local clock offset: 0.021 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 54.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 54.319 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

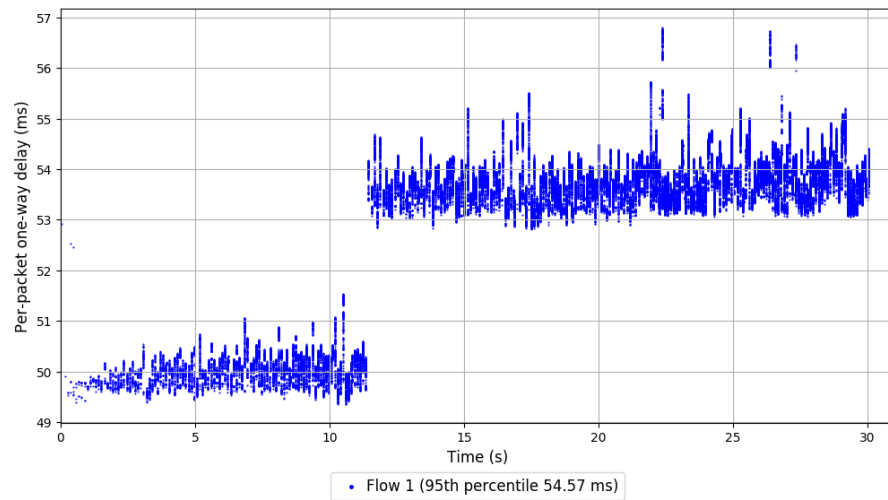
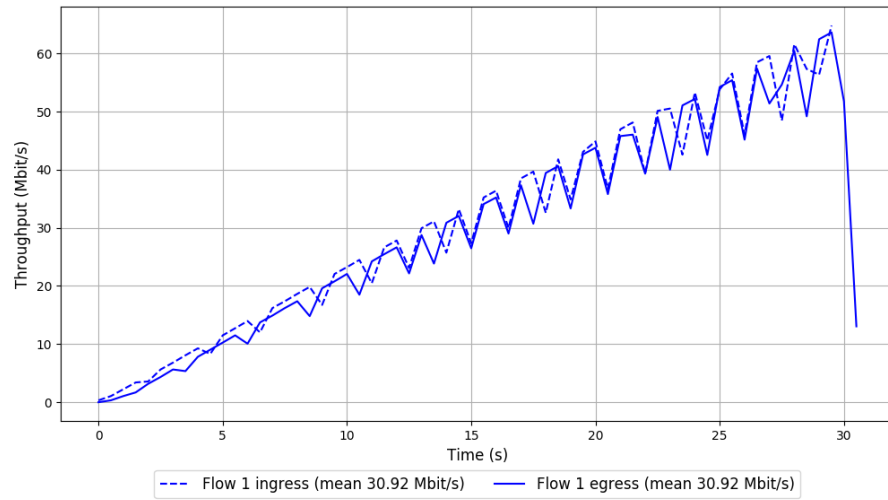


Run 3: Statistics of LEDBAT

Start at: 2018-05-25 22:22:35
End at: 2018-05-25 22:23:05
Local clock offset: 0.35 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 54.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 54.566 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-25 22:43:11

End at: 2018-05-25 22:43:41

Local clock offset: 0.365 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 51.487 ms

Loss rate: 0.00%

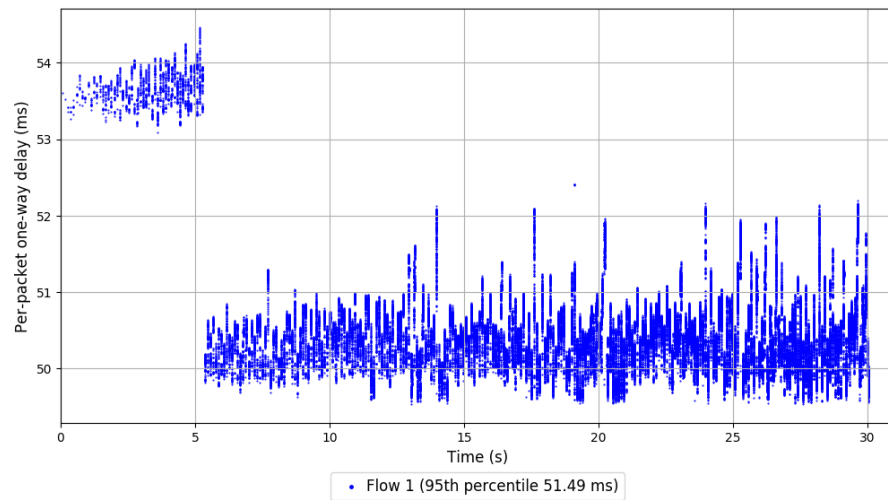
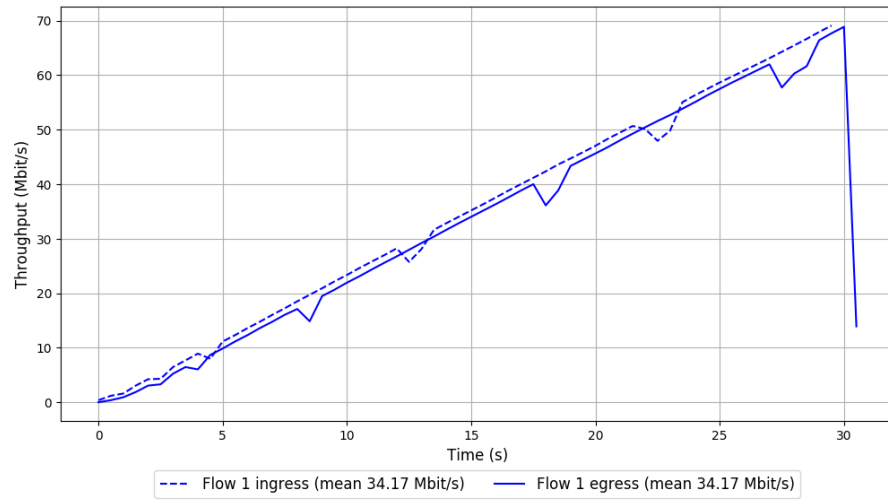
-- Flow 1:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 51.487 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-25 23:03:32

End at: 2018-05-25 23:04:02

Local clock offset: 0.254 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.59 Mbit/s

95th percentile per-packet one-way delay: 54.040 ms

Loss rate: 0.00%

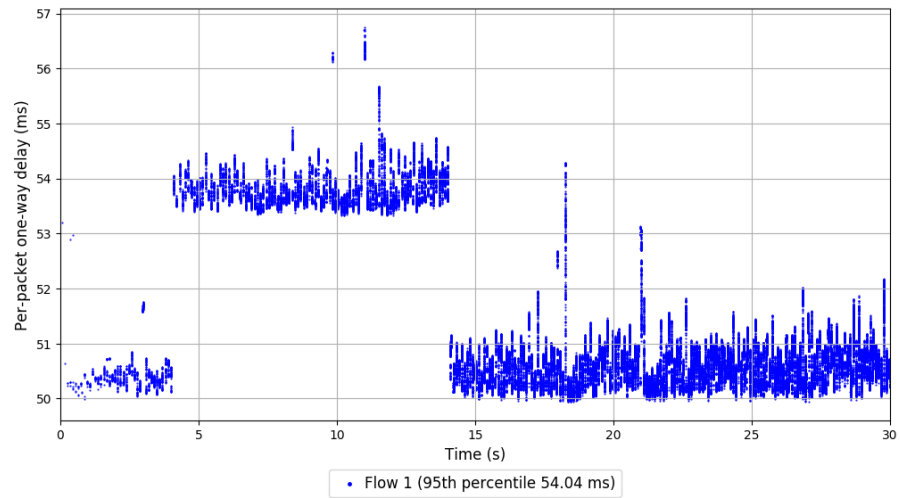
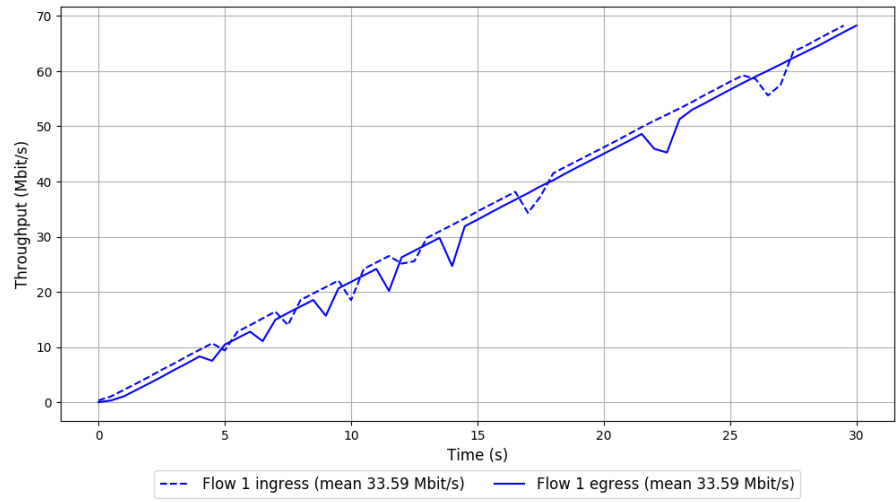
-- Flow 1:

Average throughput: 33.59 Mbit/s

95th percentile per-packet one-way delay: 54.040 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

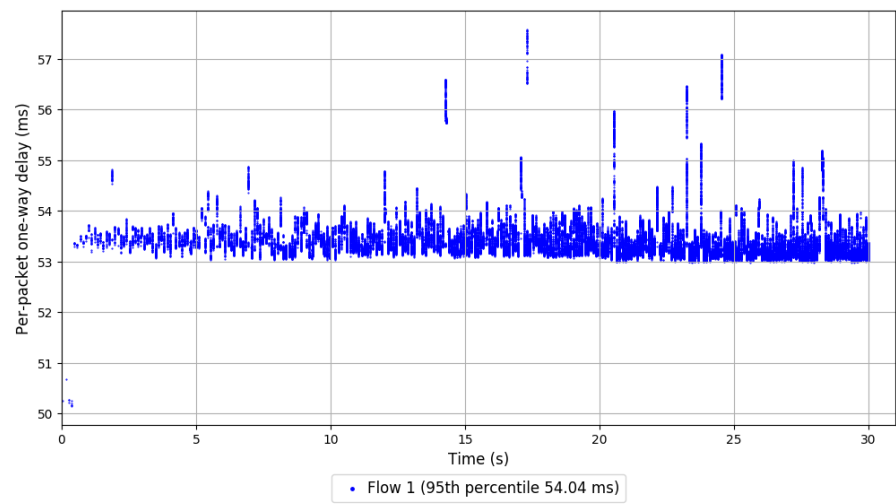
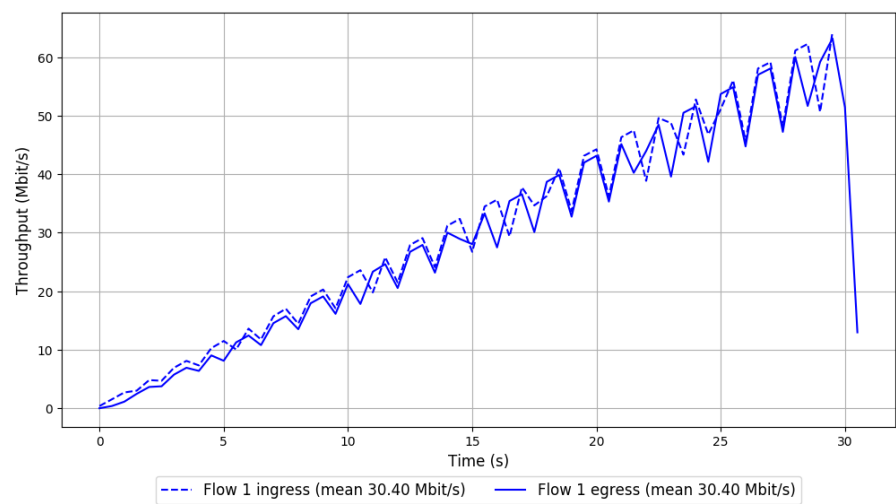


Run 6: Statistics of LEDBAT

Start at: 2018-05-25 23:24:06
End at: 2018-05-25 23:24:36
Local clock offset: -0.001 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 54.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 54.039 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-25 23:44:44

End at: 2018-05-25 23:45:14

Local clock offset: -0.053 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 54.893 ms

Loss rate: 0.00%

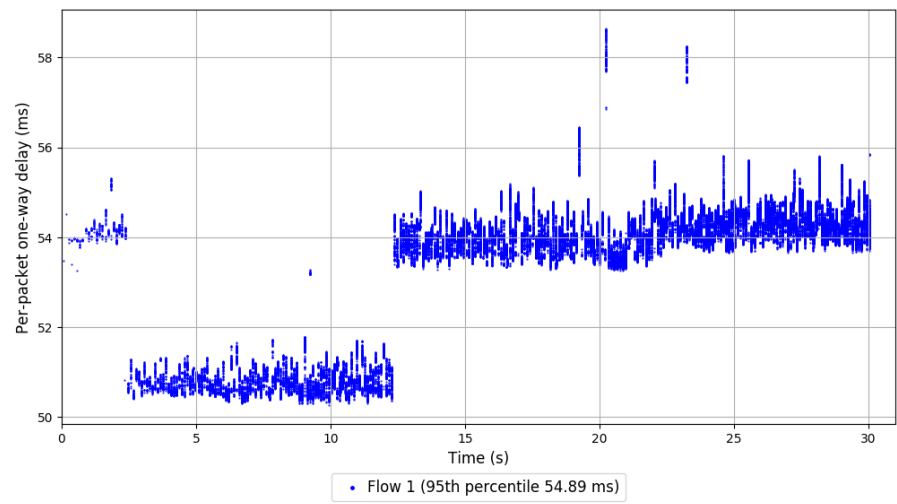
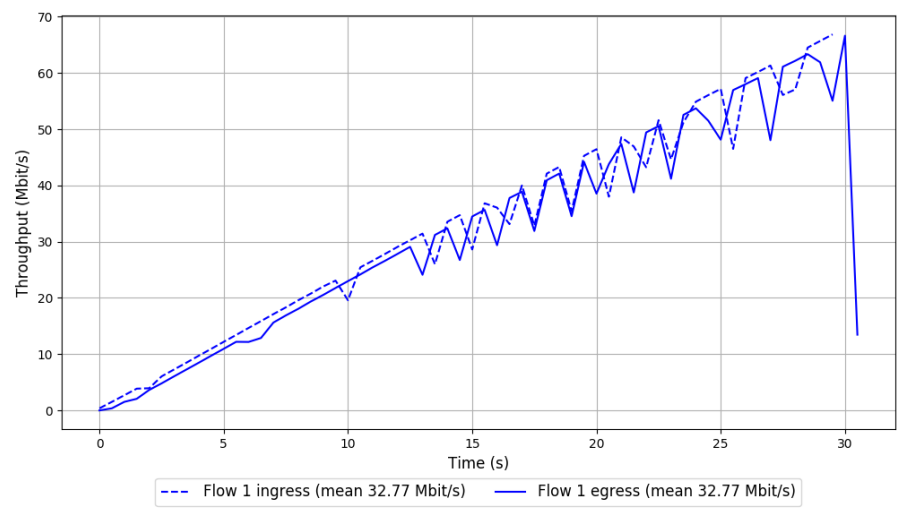
-- Flow 1:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 54.893 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

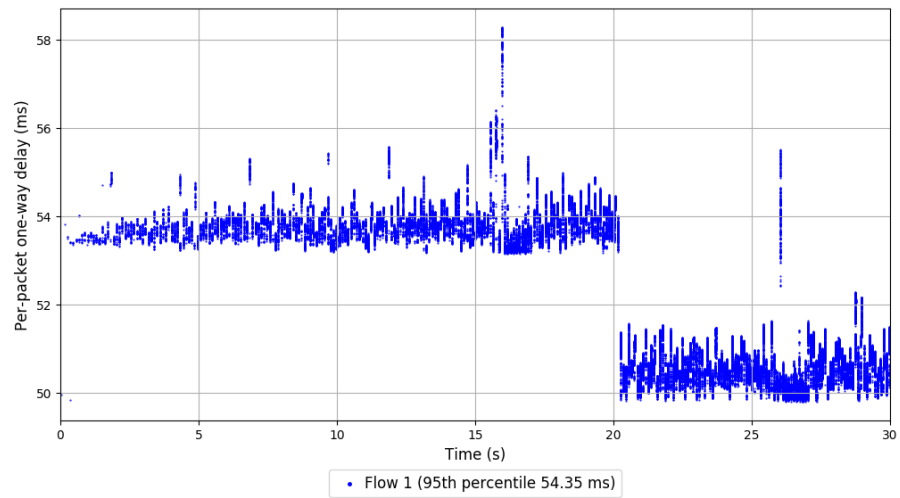
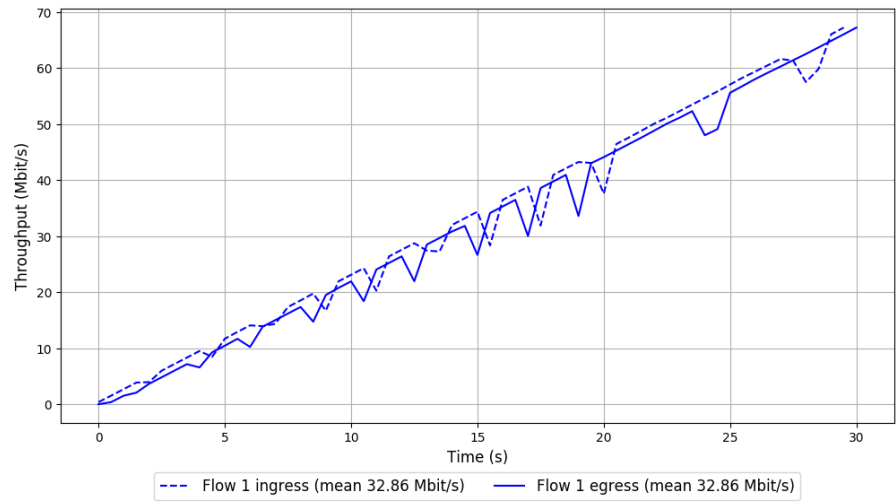


Run 8: Statistics of LEDBAT

Start at: 2018-05-26 00:05:16
End at: 2018-05-26 00:05:46
Local clock offset: 0.253 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-26 01:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 54.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 54.348 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-26 00:26:15

End at: 2018-05-26 00:26:45

Local clock offset: 0.443 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 54.789 ms

Loss rate: 0.00%

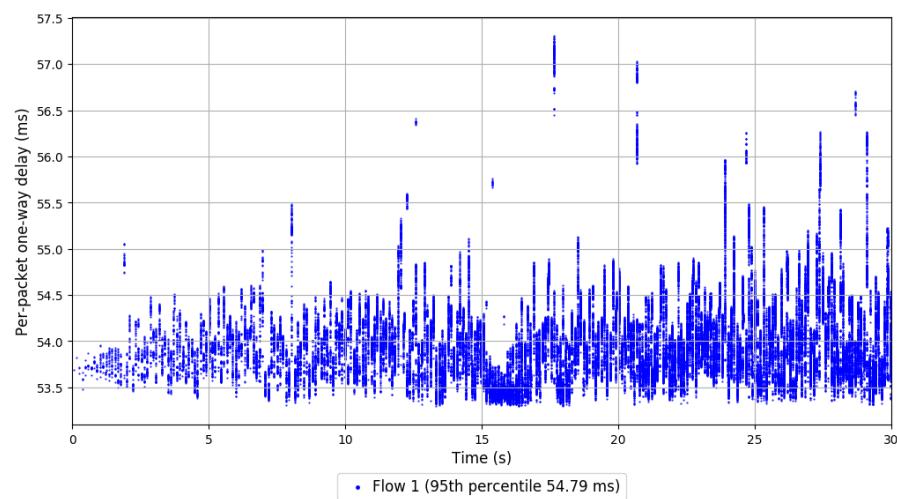
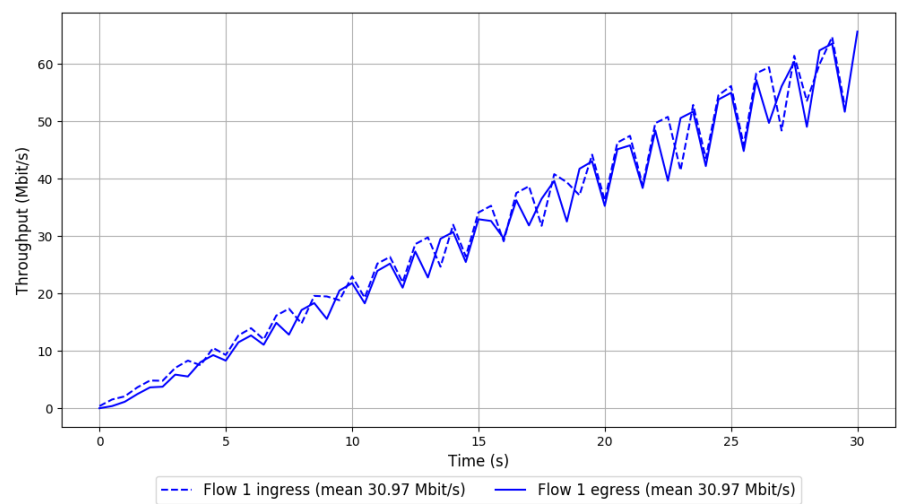
-- Flow 1:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 54.789 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-26 00:46:59

End at: 2018-05-26 00:47:29

Local clock offset: -0.098 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-05-26 01:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 54.693 ms

Loss rate: 0.00%

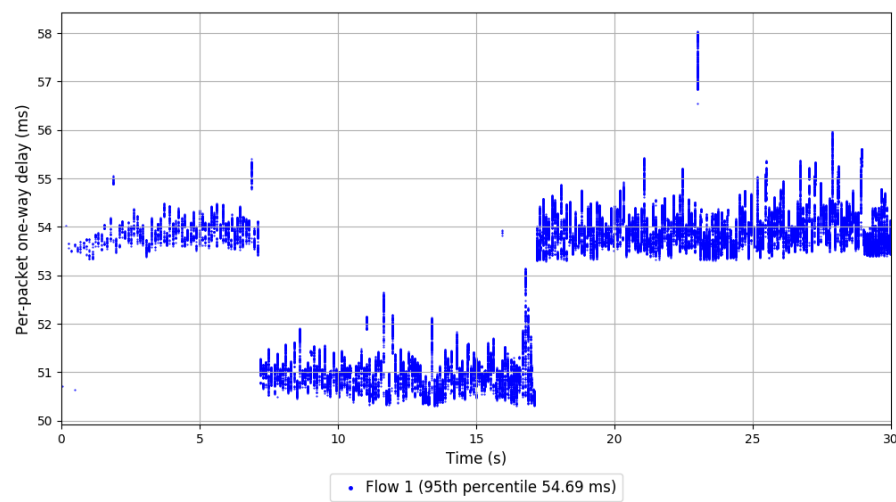
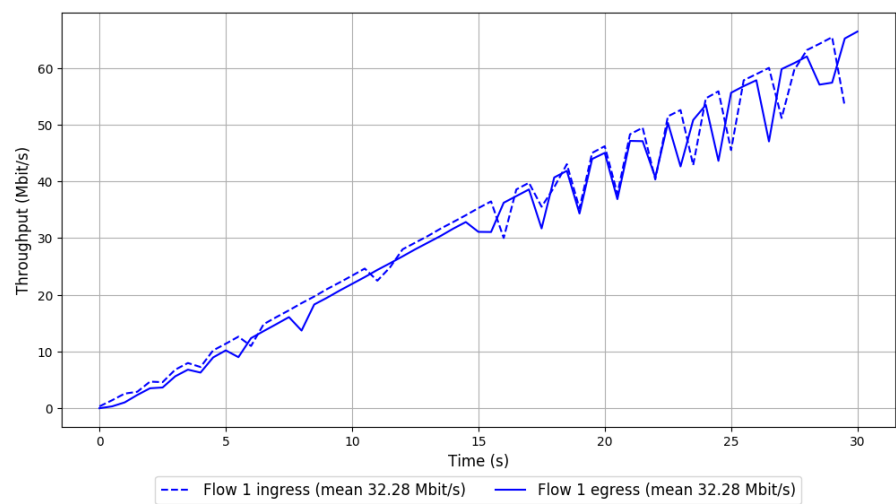
-- Flow 1:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 54.693 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

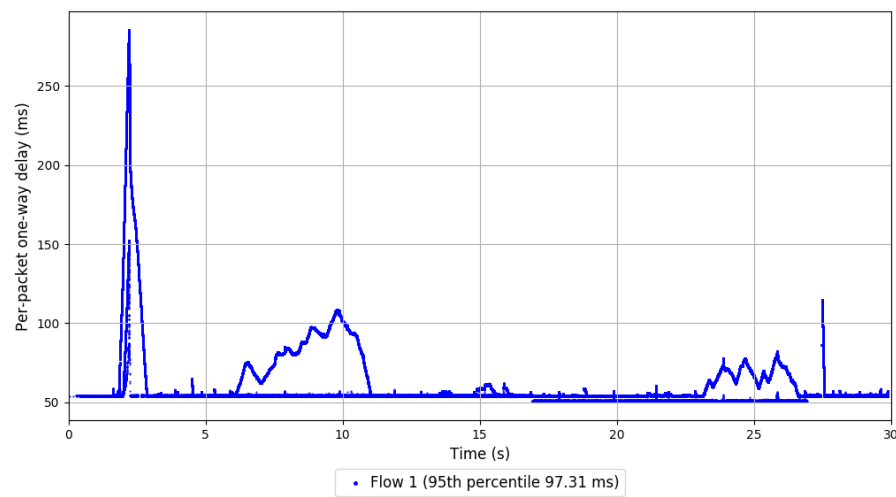
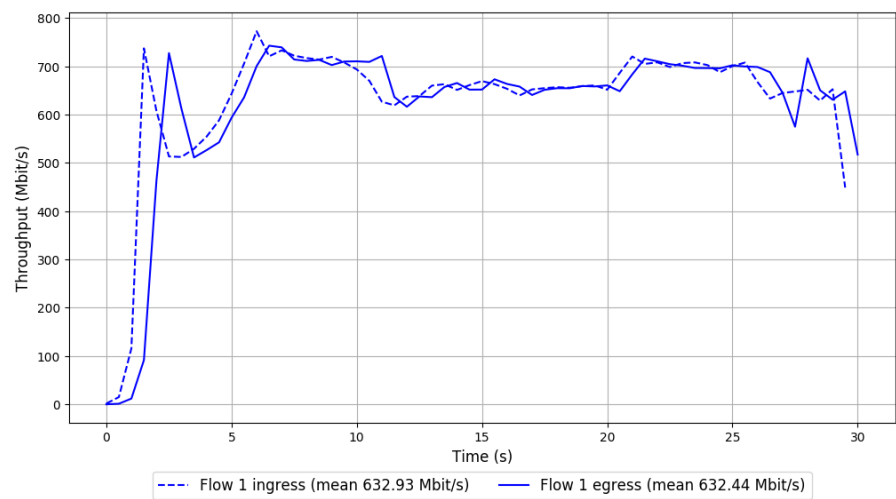


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-25 21:49:29
End at: 2018-05-25 21:49:59
Local clock offset: -0.298 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-26 01:59:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 632.44 Mbit/s
95th percentile per-packet one-way delay: 97.314 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 632.44 Mbit/s
95th percentile per-packet one-way delay: 97.314 ms
Loss rate: 0.09%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-25 22:09:44

End at: 2018-05-25 22:10:14

Local clock offset: -0.086 ms

Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-05-26 01:59:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.84 Mbit/s

95th percentile per-packet one-way delay: 181.618 ms

Loss rate: 1.95%

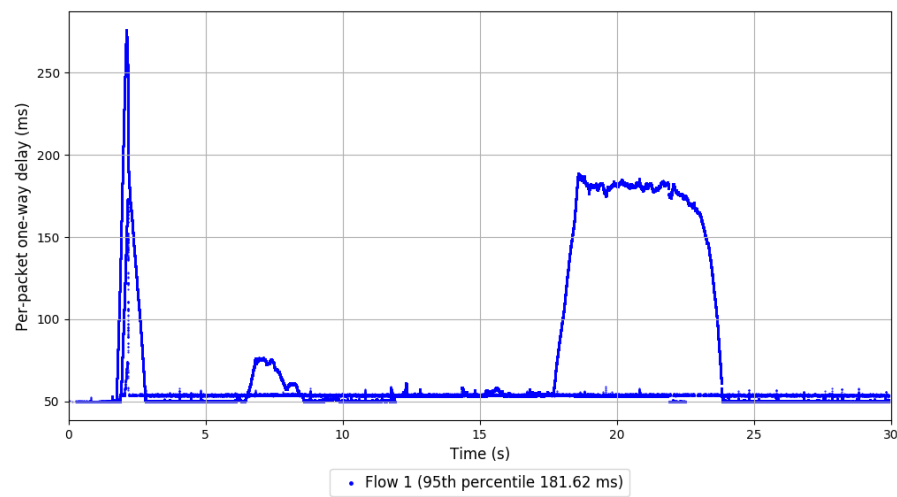
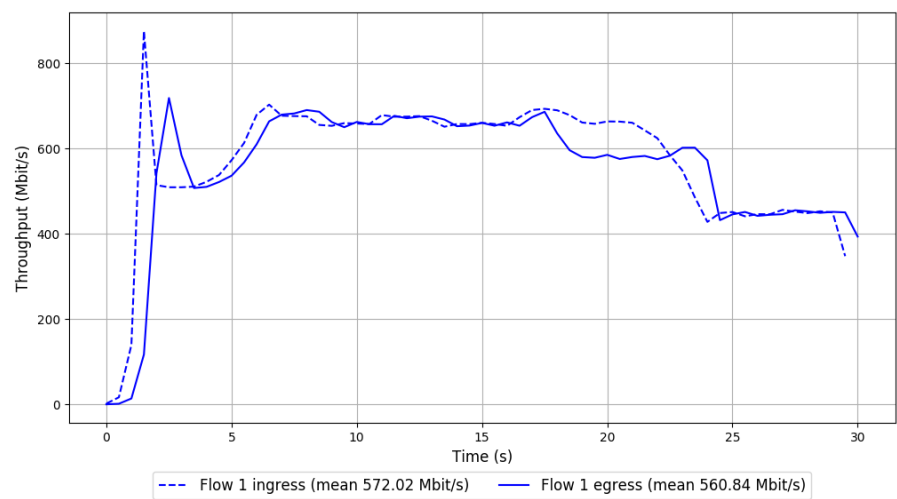
-- Flow 1:

Average throughput: 560.84 Mbit/s

95th percentile per-packet one-way delay: 181.618 ms

Loss rate: 1.95%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-25 22:30:06

End at: 2018-05-25 22:30:36

Local clock offset: 0.243 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-05-26 01:59:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 595.46 Mbit/s

95th percentile per-packet one-way delay: 139.406 ms

Loss rate: 0.24%

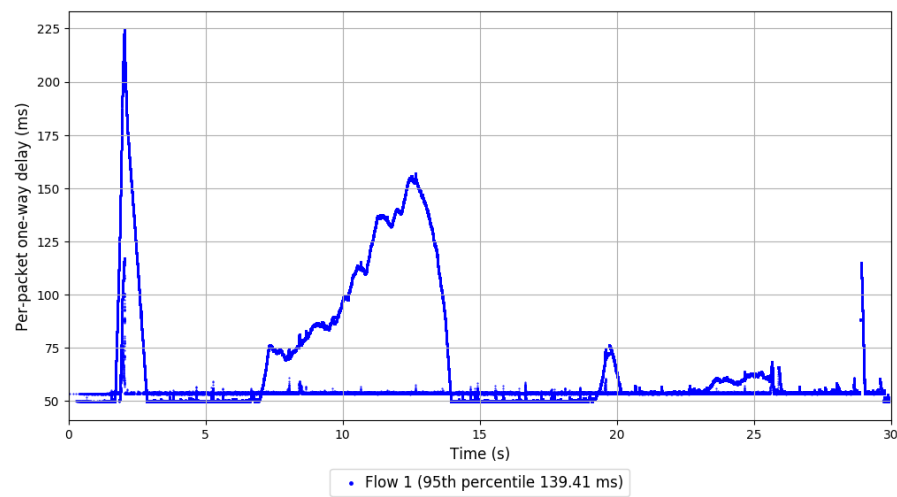
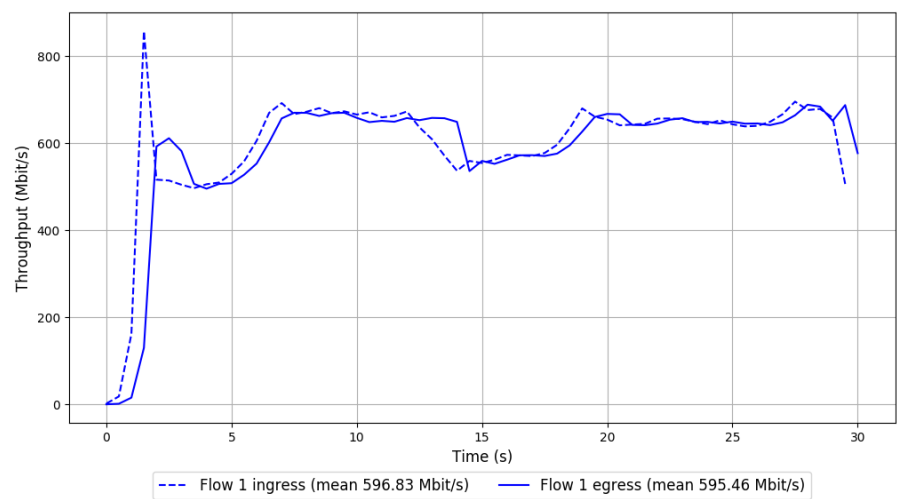
-- Flow 1:

Average throughput: 595.46 Mbit/s

95th percentile per-packet one-way delay: 139.406 ms

Loss rate: 0.24%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-25 22:50:24

End at: 2018-05-25 22:50:54

Local clock offset: -0.099 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-05-26 01:59:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 615.13 Mbit/s

95th percentile per-packet one-way delay: 88.587 ms

Loss rate: 0.13%

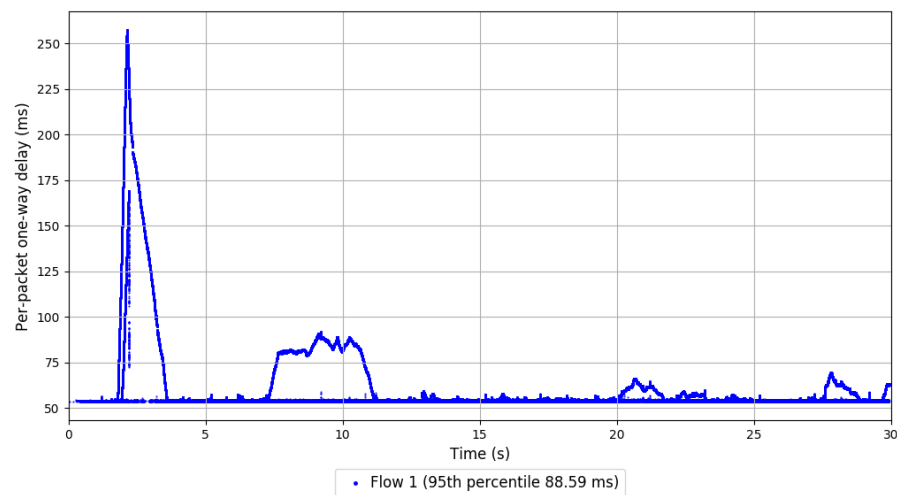
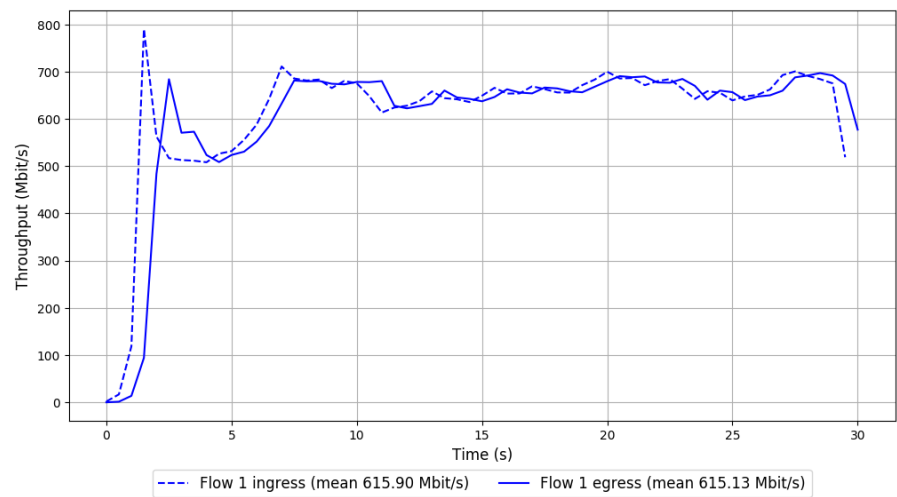
-- Flow 1:

Average throughput: 615.13 Mbit/s

95th percentile per-packet one-way delay: 88.587 ms

Loss rate: 0.13%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-25 23:10:54

End at: 2018-05-25 23:11:24

Local clock offset: 0.199 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-05-26 01:59:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.60 Mbit/s

95th percentile per-packet one-way delay: 163.182 ms

Loss rate: 0.47%

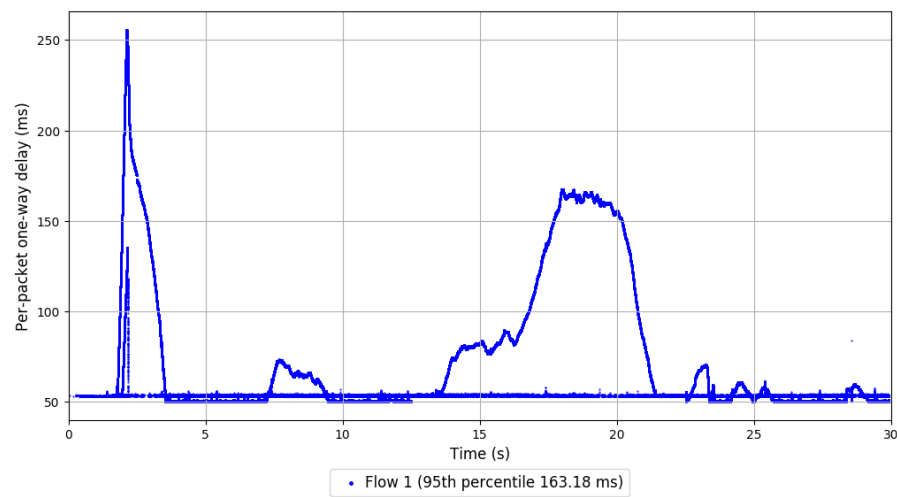
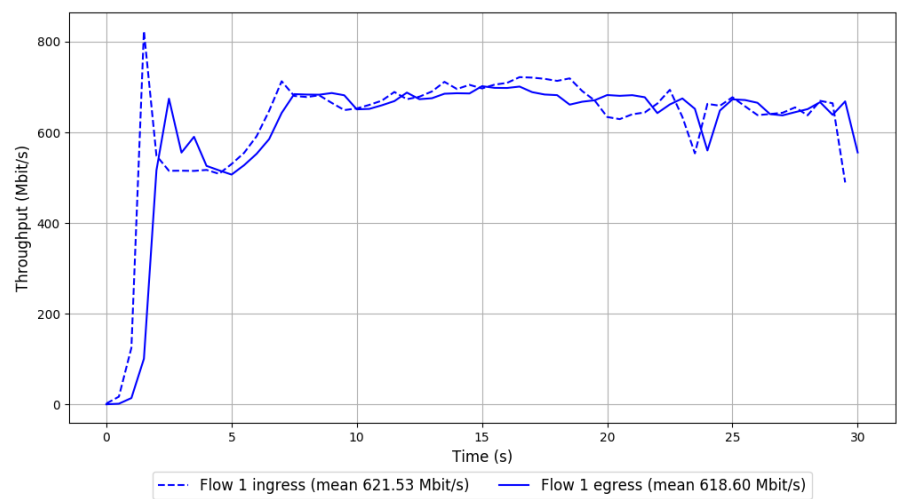
-- Flow 1:

Average throughput: 618.60 Mbit/s

95th percentile per-packet one-way delay: 163.182 ms

Loss rate: 0.47%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-25 23:31:19

End at: 2018-05-25 23:31:49

Local clock offset: 0.435 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-05-26 01:59:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.52 Mbit/s

95th percentile per-packet one-way delay: 126.784 ms

Loss rate: 0.10%

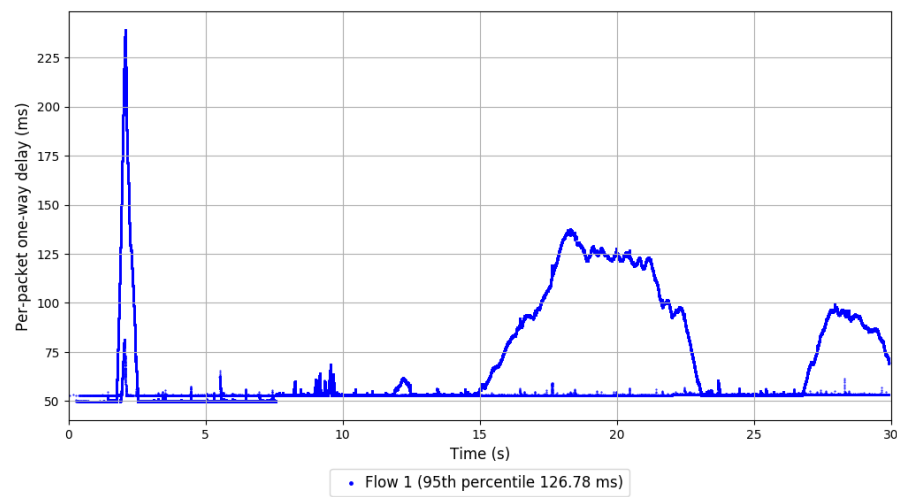
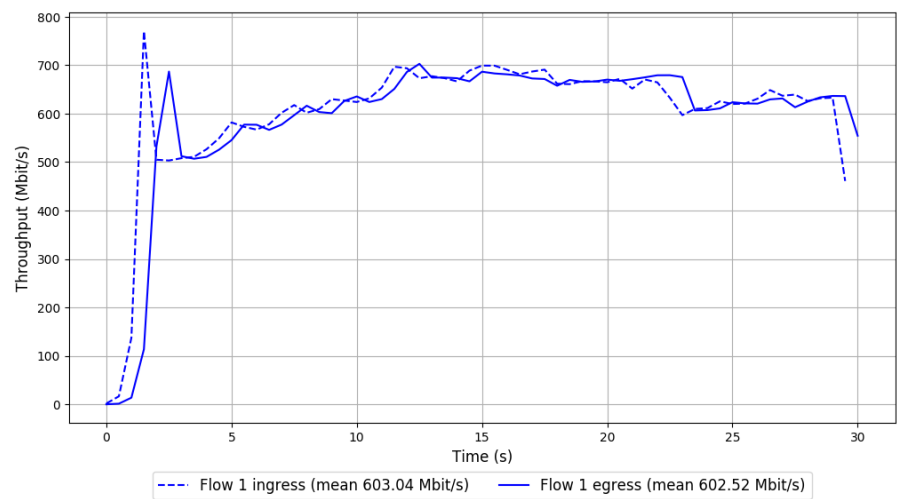
-- Flow 1:

Average throughput: 602.52 Mbit/s

95th percentile per-packet one-way delay: 126.784 ms

Loss rate: 0.10%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-25 23:52:13

End at: 2018-05-25 23:52:43

Local clock offset: 0.13 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-05-26 02:08:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 580.15 Mbit/s

95th percentile per-packet one-way delay: 179.485 ms

Loss rate: 1.31%

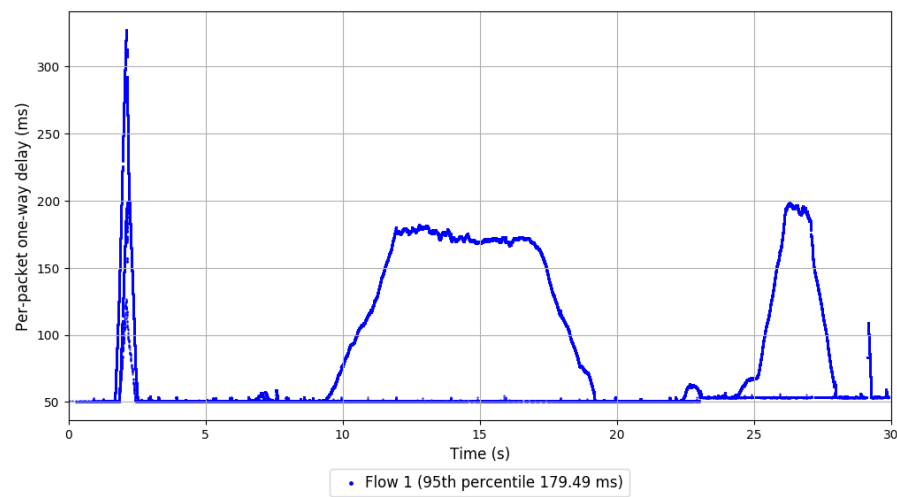
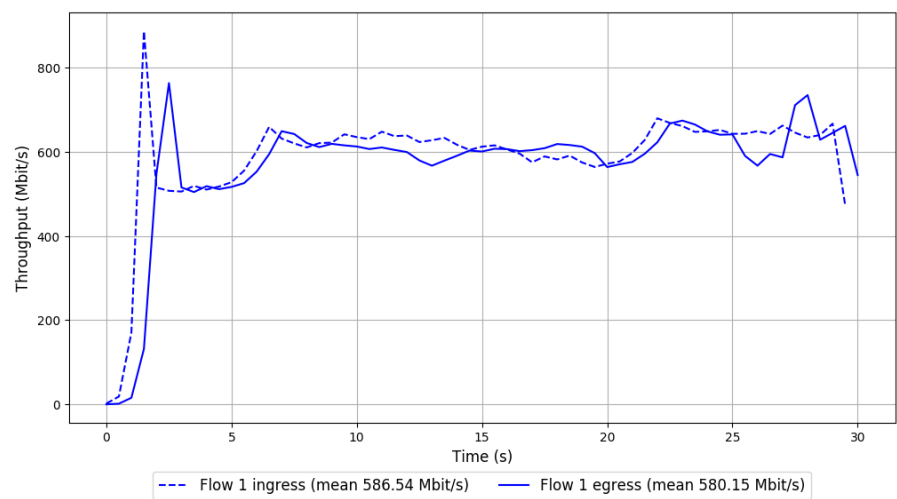
-- Flow 1:

Average throughput: 580.15 Mbit/s

95th percentile per-packet one-way delay: 179.485 ms

Loss rate: 1.31%

Run 7: Report of PCC-Allegro — Data Link

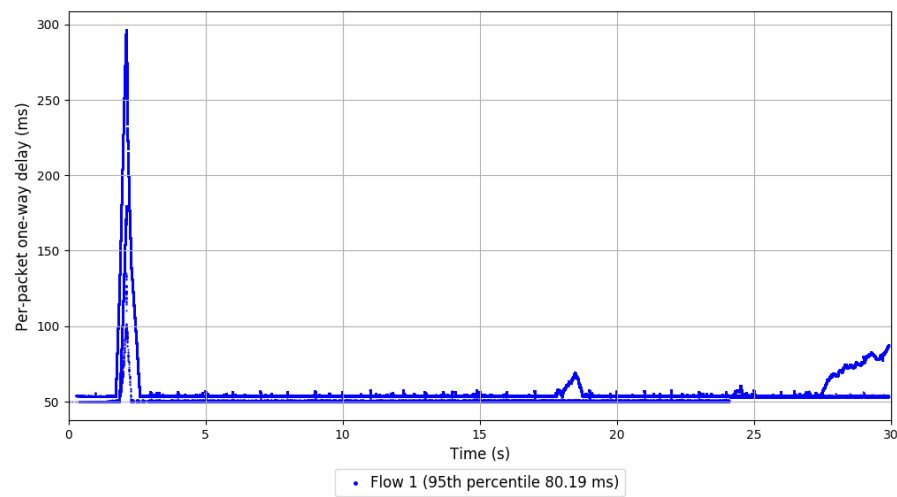
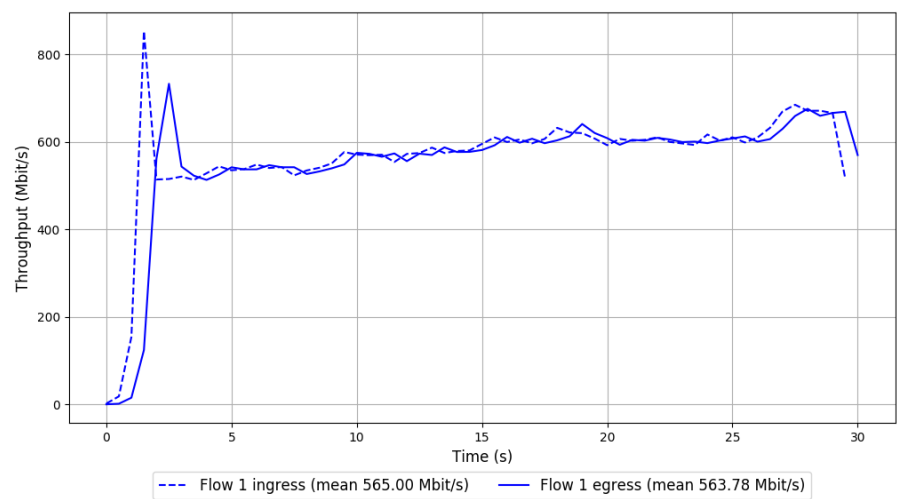


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-26 00:12:42
End at: 2018-05-26 00:13:12
Local clock offset: -0.144 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-05-26 02:08:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 563.78 Mbit/s
95th percentile per-packet one-way delay: 80.192 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 563.78 Mbit/s
95th percentile per-packet one-way delay: 80.192 ms
Loss rate: 0.21%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-26 00:33:48

End at: 2018-05-26 00:34:18

Local clock offset: 0.026 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-05-26 02:09:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 614.64 Mbit/s

95th percentile per-packet one-way delay: 152.843 ms

Loss rate: 0.10%

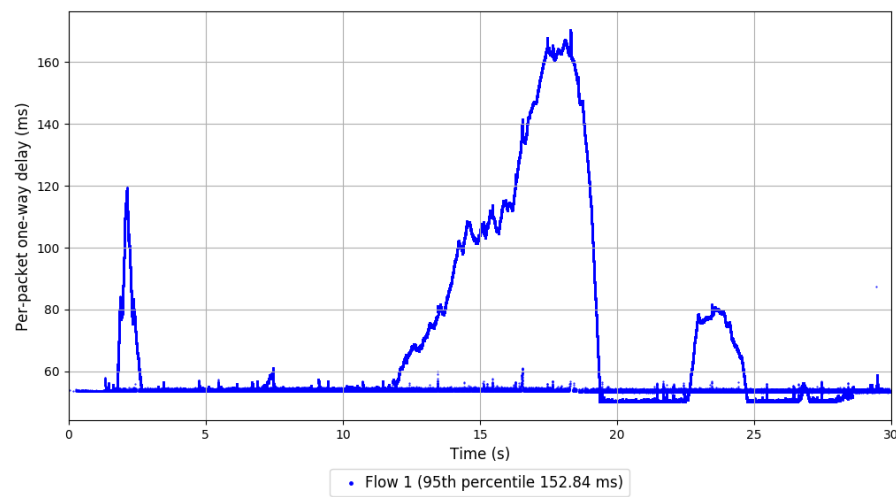
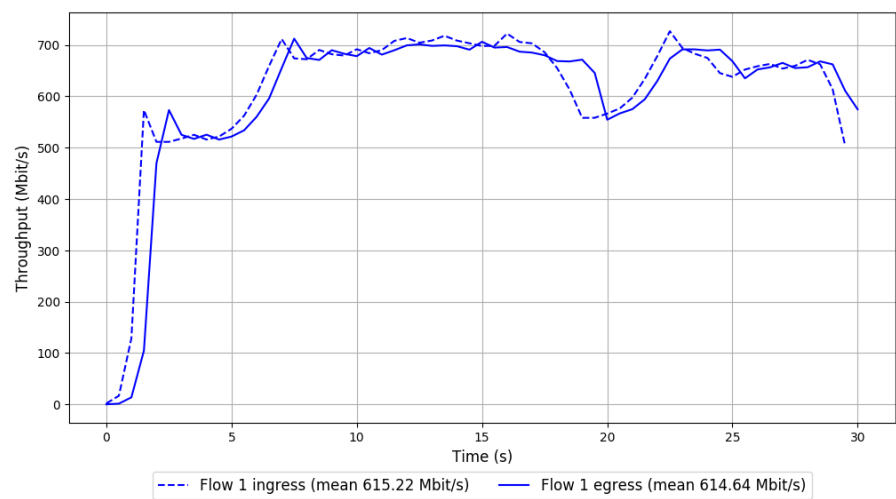
-- Flow 1:

Average throughput: 614.64 Mbit/s

95th percentile per-packet one-way delay: 152.843 ms

Loss rate: 0.10%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-26 00:54:33

End at: 2018-05-26 00:55:03

Local clock offset: -0.328 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-26 02:09:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 589.24 Mbit/s

95th percentile per-packet one-way delay: 153.665 ms

Loss rate: 0.27%

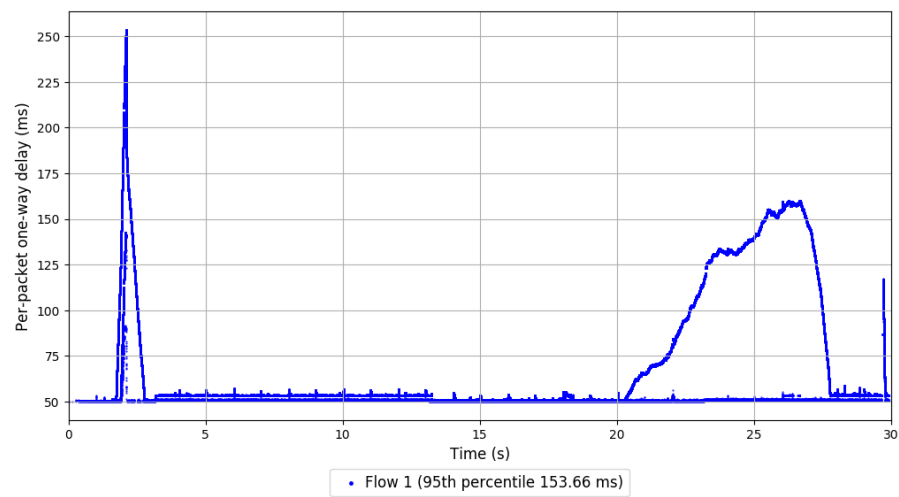
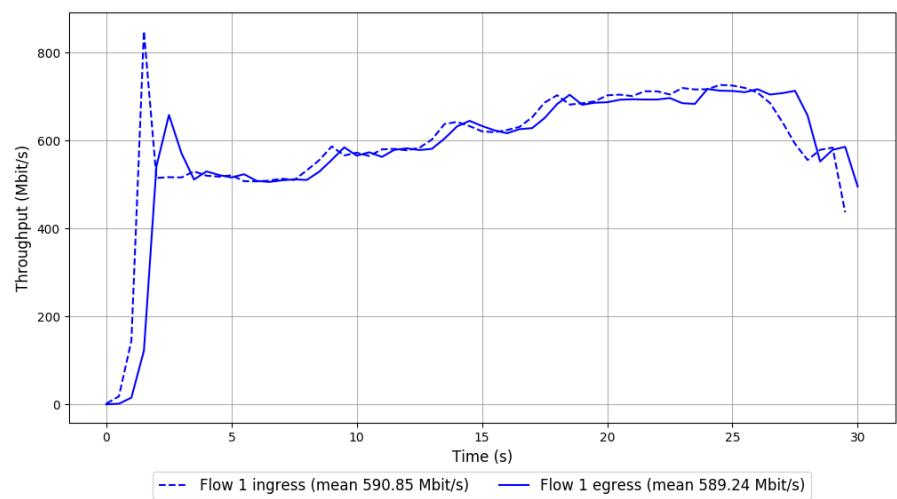
-- Flow 1:

Average throughput: 589.24 Mbit/s

95th percentile per-packet one-way delay: 153.665 ms

Loss rate: 0.27%

Run 10: Report of PCC-Allegro — Data Link

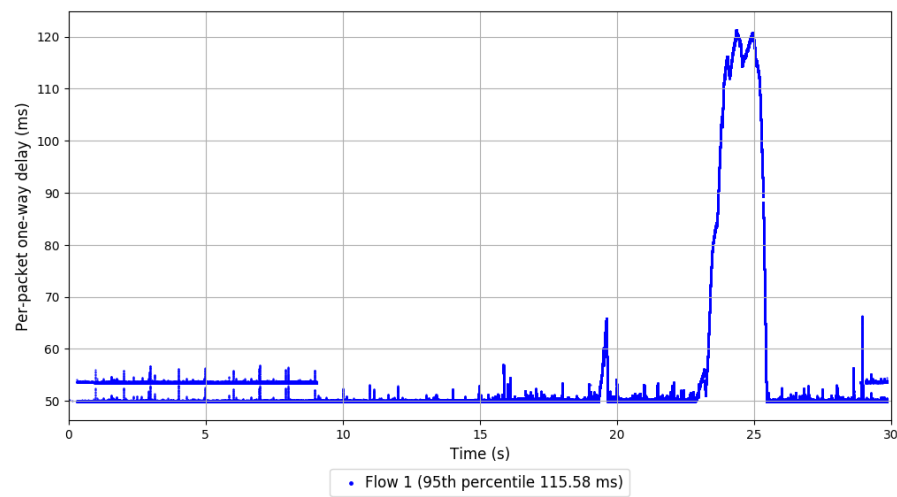
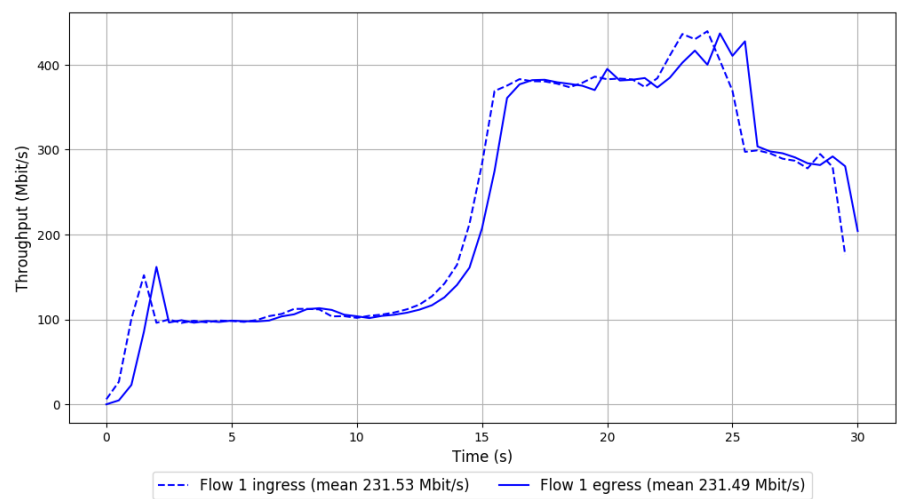


Run 1: Statistics of PCC-Expr

Start at: 2018-05-25 21:45:37
End at: 2018-05-25 21:46:07
Local clock offset: -0.137 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-05-26 02:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.49 Mbit/s
95th percentile per-packet one-way delay: 115.583 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 231.49 Mbit/s
95th percentile per-packet one-way delay: 115.583 ms
Loss rate: 0.01%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-25 22:05:45

End at: 2018-05-25 22:06:15

Local clock offset: -0.237 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-05-26 02:10:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.28 Mbit/s

95th percentile per-packet one-way delay: 248.510 ms

Loss rate: 5.41%

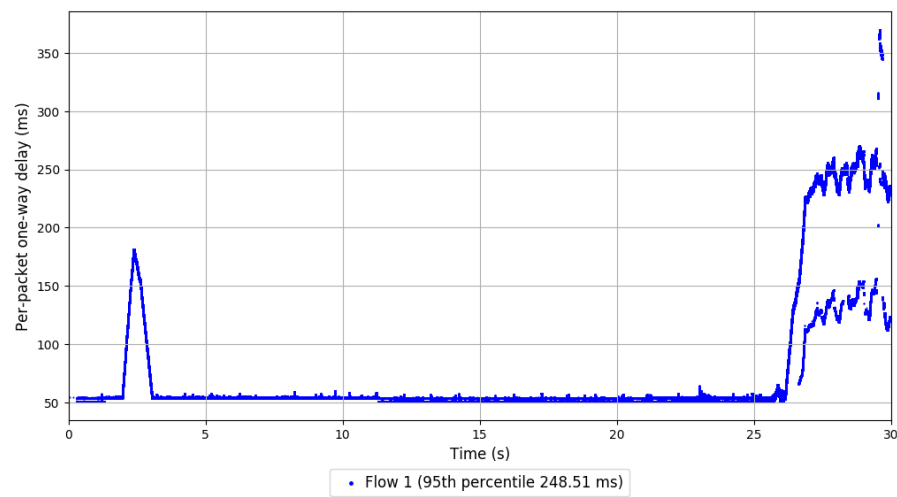
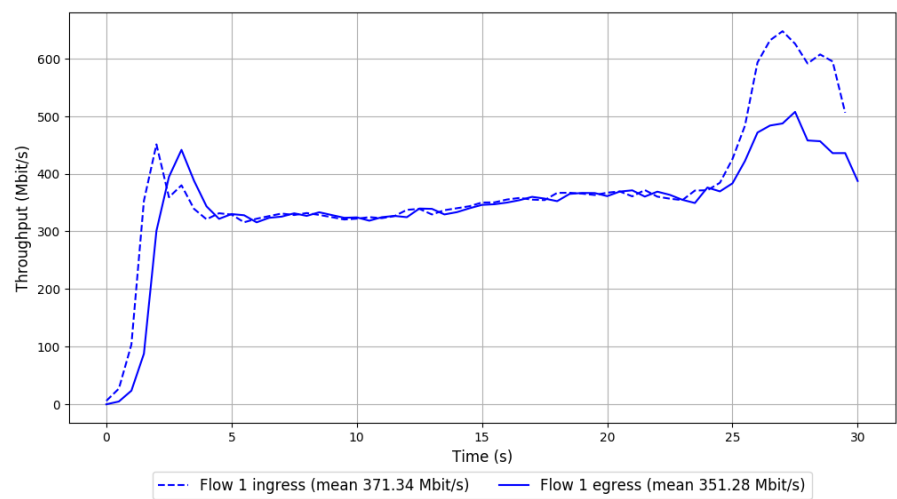
-- Flow 1:

Average throughput: 351.28 Mbit/s

95th percentile per-packet one-way delay: 248.510 ms

Loss rate: 5.41%

Run 2: Report of PCC-Expr — Data Link

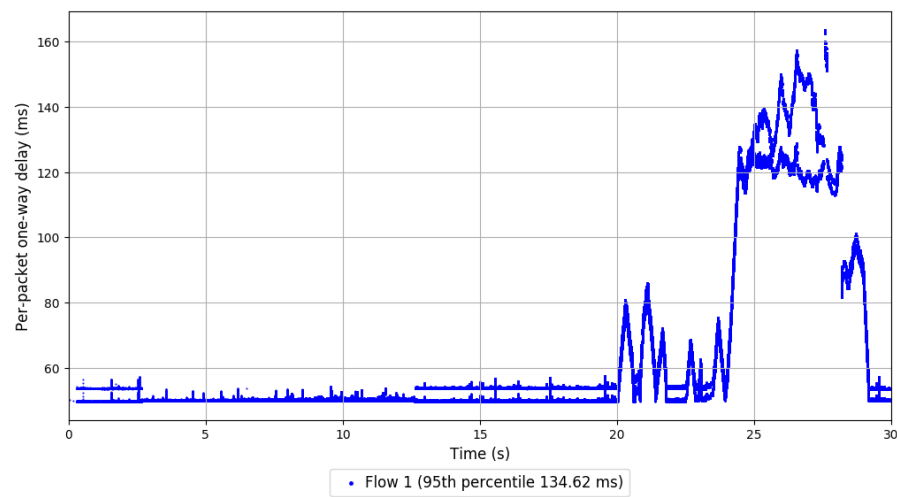
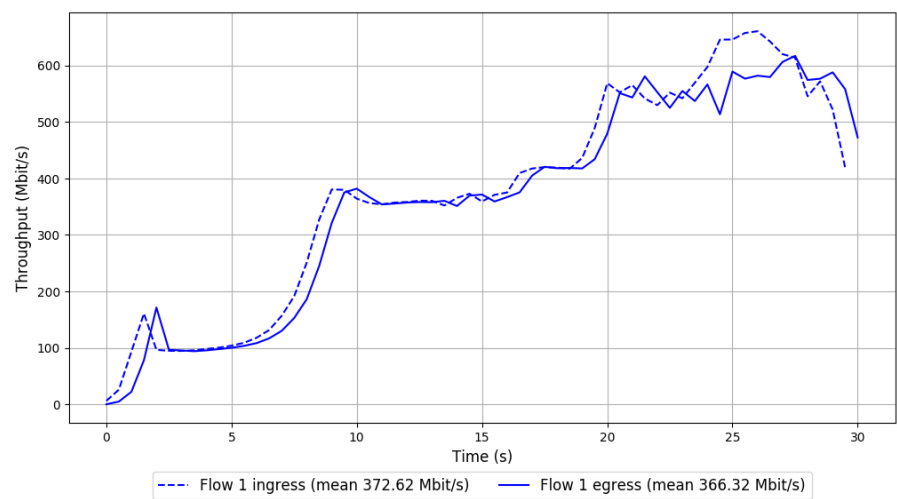


Run 3: Statistics of PCC-Expr

Start at: 2018-05-25 22:26:04
End at: 2018-05-25 22:26:34
Local clock offset: -0.014 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-26 02:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.32 Mbit/s
95th percentile per-packet one-way delay: 134.622 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 366.32 Mbit/s
95th percentile per-packet one-way delay: 134.622 ms
Loss rate: 1.69%

Run 3: Report of PCC-Expr — Data Link

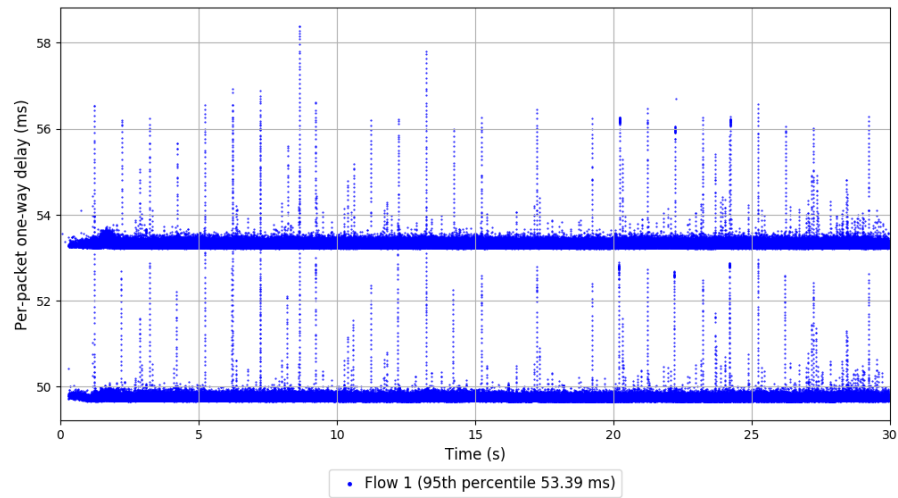
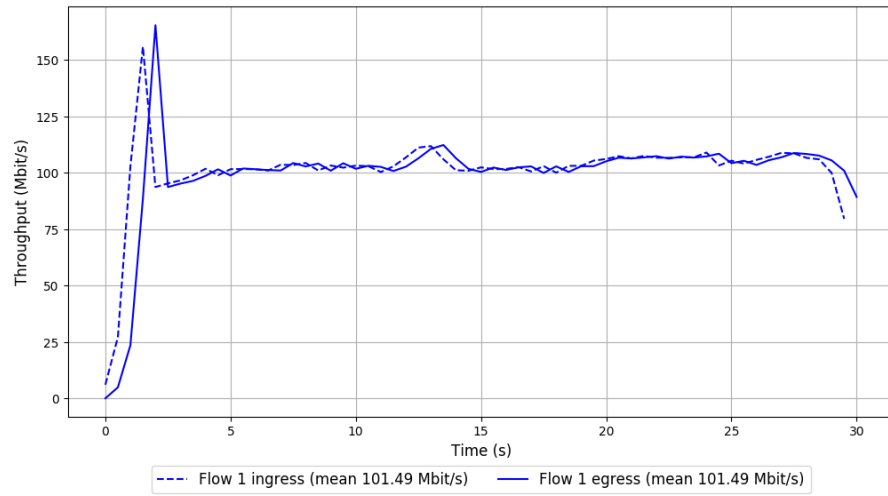


Run 4: Statistics of PCC-Expr

Start at: 2018-05-25 22:46:40
End at: 2018-05-25 22:47:10
Local clock offset: -0.089 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-05-26 02:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.49 Mbit/s
95th percentile per-packet one-way delay: 53.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.49 Mbit/s
95th percentile per-packet one-way delay: 53.393 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

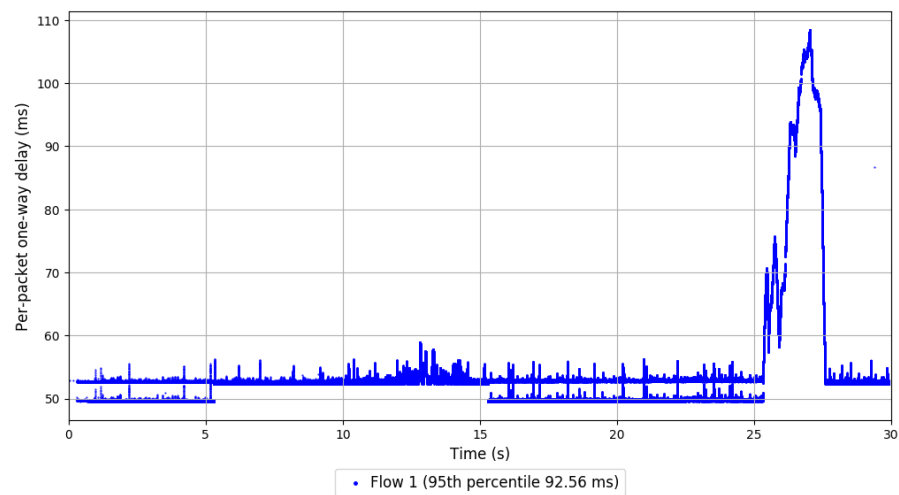
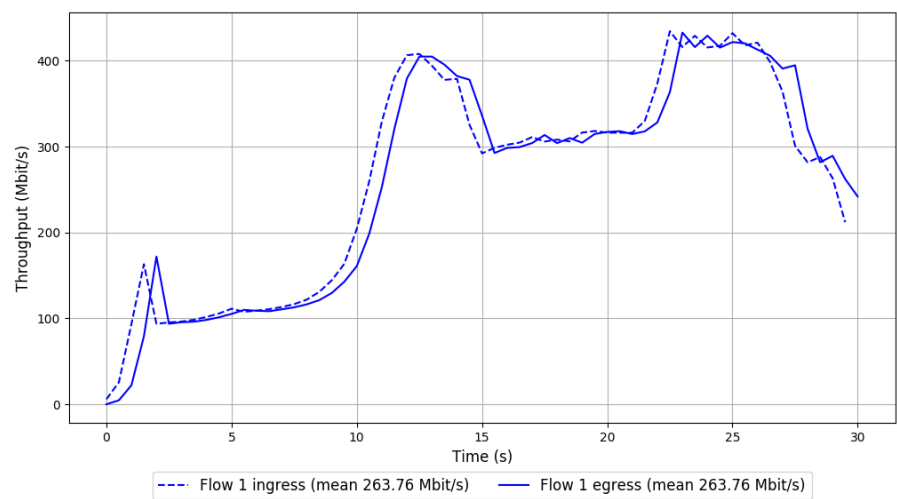


Run 5: Statistics of PCC-Expr

Start at: 2018-05-25 23:07:01
End at: 2018-05-25 23:07:31
Local clock offset: 0.27 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-05-26 02:11:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.76 Mbit/s
95th percentile per-packet one-way delay: 92.564 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 263.76 Mbit/s
95th percentile per-packet one-way delay: 92.564 ms
Loss rate: 0.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 23:27:34

End at: 2018-05-25 23:28:04

Local clock offset: 0.326 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-05-26 02:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.59 Mbit/s

95th percentile per-packet one-way delay: 53.563 ms

Loss rate: 0.01%

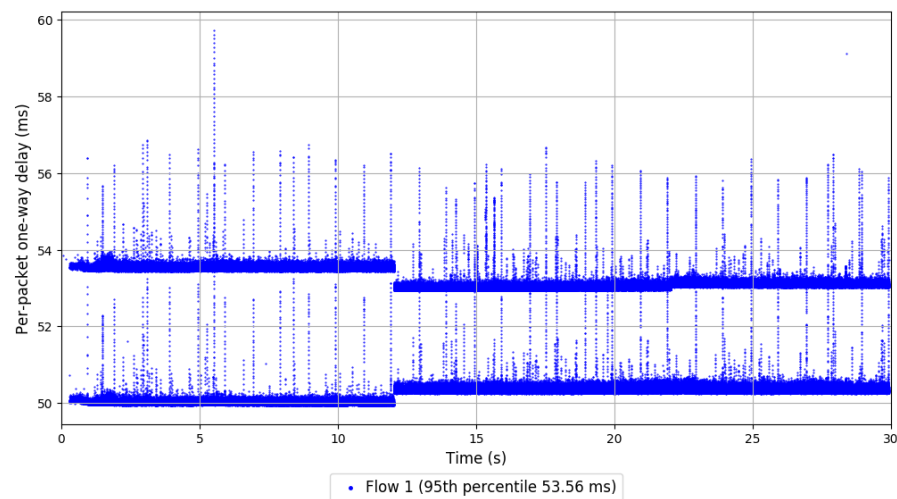
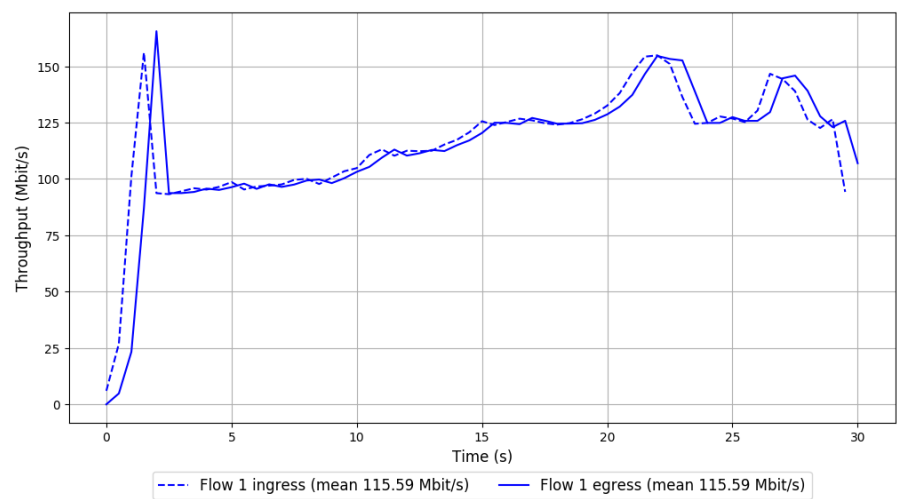
-- Flow 1:

Average throughput: 115.59 Mbit/s

95th percentile per-packet one-way delay: 53.563 ms

Loss rate: 0.01%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 23:48:13

End at: 2018-05-25 23:48:43

Local clock offset: 0.106 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-05-26 02:20:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.08 Mbit/s

95th percentile per-packet one-way delay: 265.926 ms

Loss rate: 5.92%

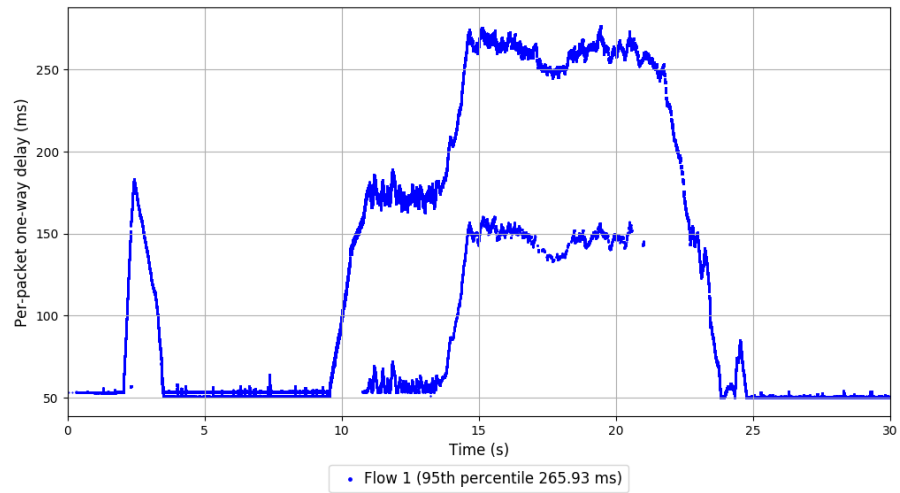
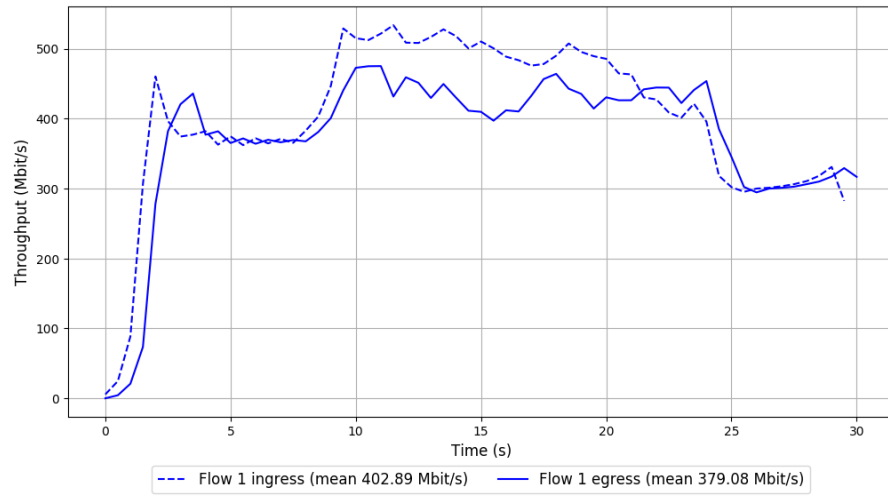
-- Flow 1:

Average throughput: 379.08 Mbit/s

95th percentile per-packet one-way delay: 265.926 ms

Loss rate: 5.92%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-26 00:08:46

End at: 2018-05-26 00:09:16

Local clock offset: -0.031 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-26 02:20:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.91 Mbit/s

95th percentile per-packet one-way delay: 146.909 ms

Loss rate: 0.12%

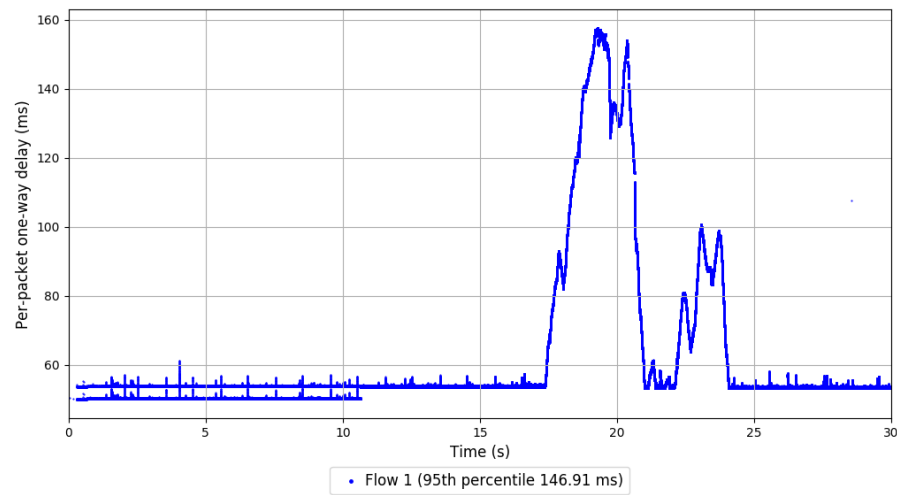
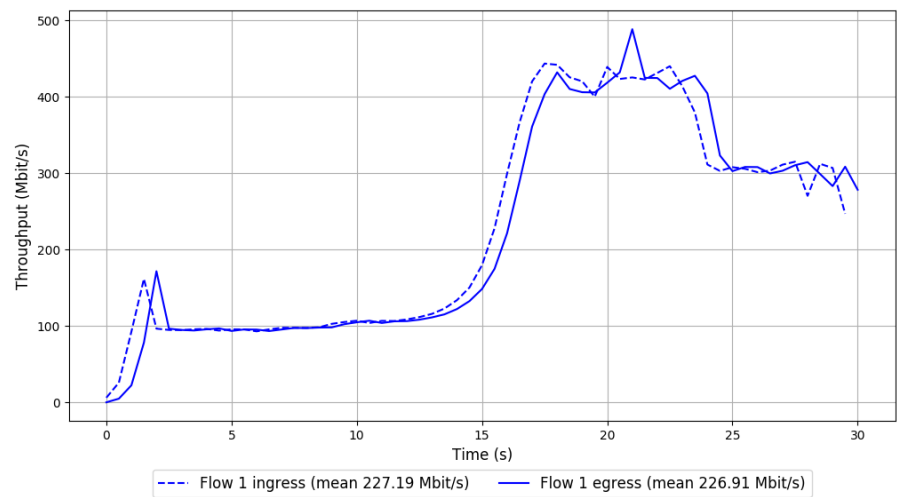
-- Flow 1:

Average throughput: 226.91 Mbit/s

95th percentile per-packet one-way delay: 146.909 ms

Loss rate: 0.12%

Run 8: Report of PCC-Expr — Data Link

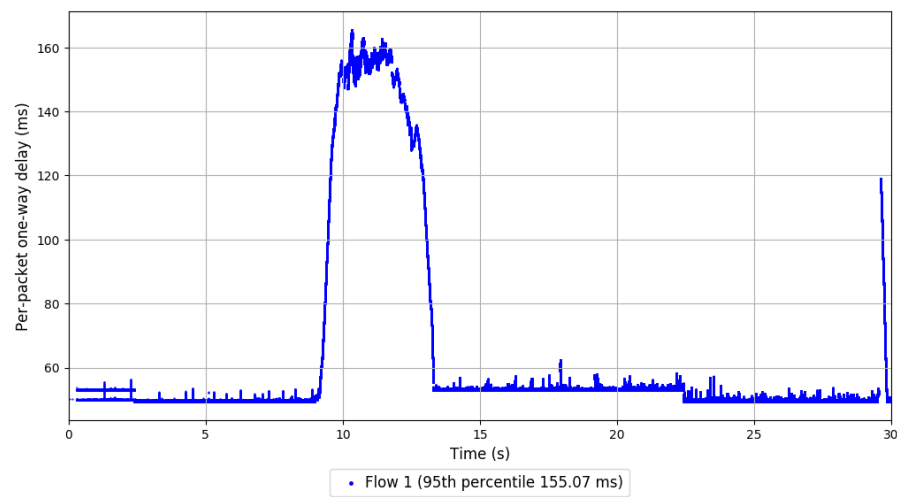
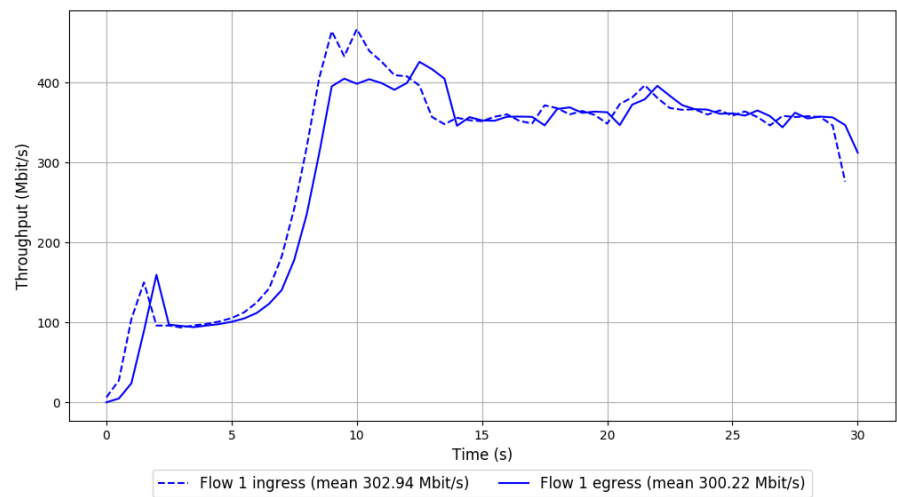


Run 9: Statistics of PCC-Expr

Start at: 2018-05-26 00:29:44
End at: 2018-05-26 00:30:14
Local clock offset: 0.342 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-26 02:20:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.22 Mbit/s
95th percentile per-packet one-way delay: 155.071 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 300.22 Mbit/s
95th percentile per-packet one-way delay: 155.071 ms
Loss rate: 0.90%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-26 00:50:28

End at: 2018-05-26 00:50:58

Local clock offset: 0.156 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.17 Mbit/s

95th percentile per-packet one-way delay: 75.141 ms

Loss rate: 0.00%

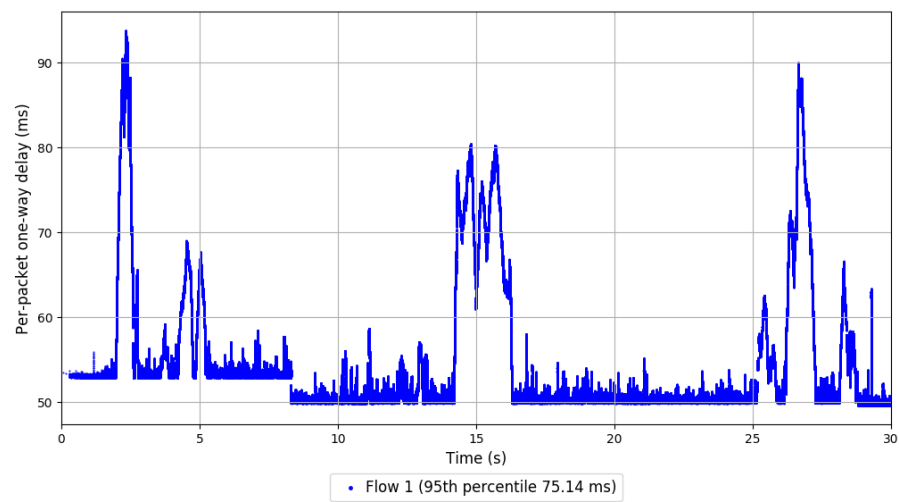
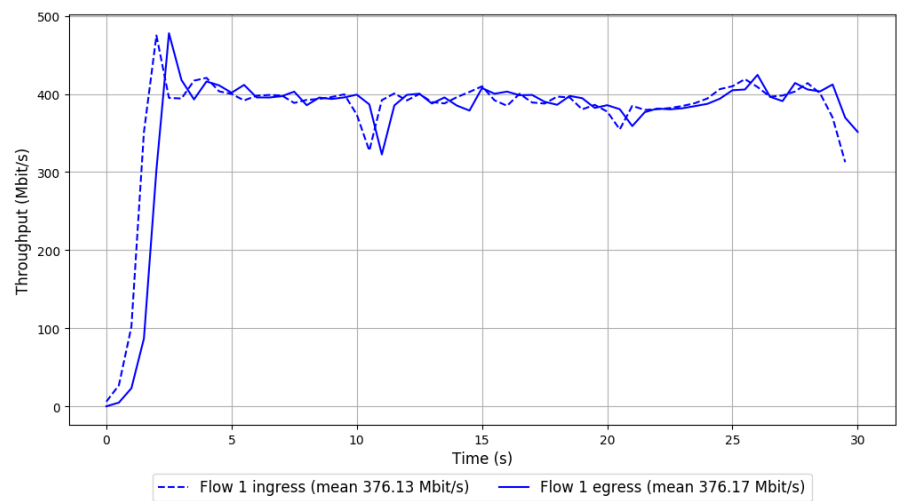
-- Flow 1:

Average throughput: 376.17 Mbit/s

95th percentile per-packet one-way delay: 75.141 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

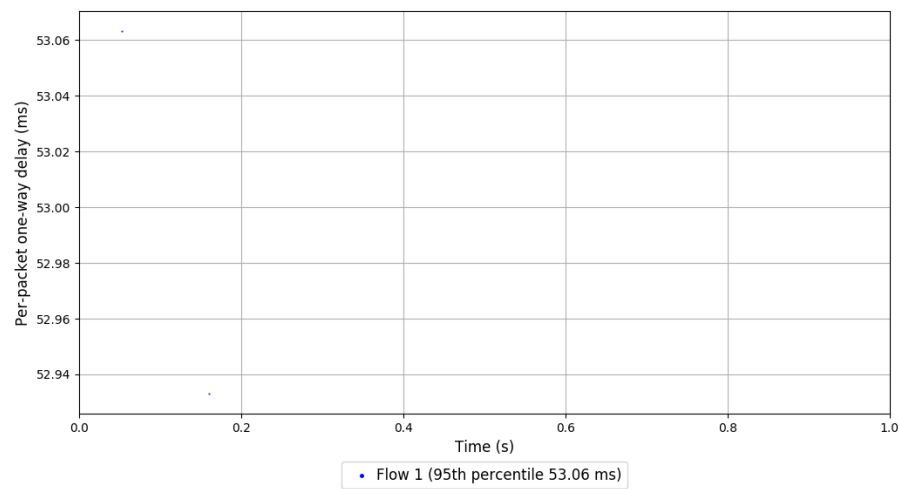
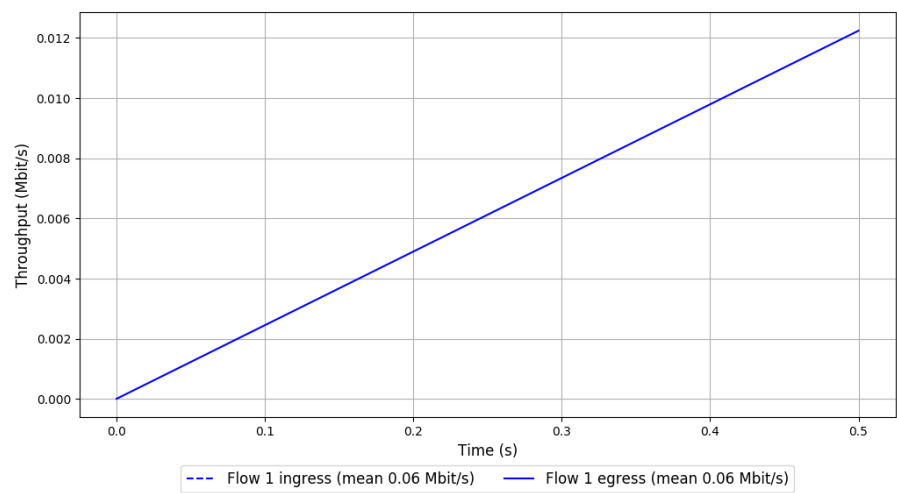
Start at: 2018-05-25 21:47:02

End at: 2018-05-25 21:47:32

Local clock offset: 0.129 ms

Remote clock offset: -0.02 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-25 22:07:15

End at: 2018-05-25 22:07:45

Local clock offset: -0.107 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.29 Mbit/s

95th percentile per-packet one-way delay: 50.115 ms

Loss rate: 0.00%

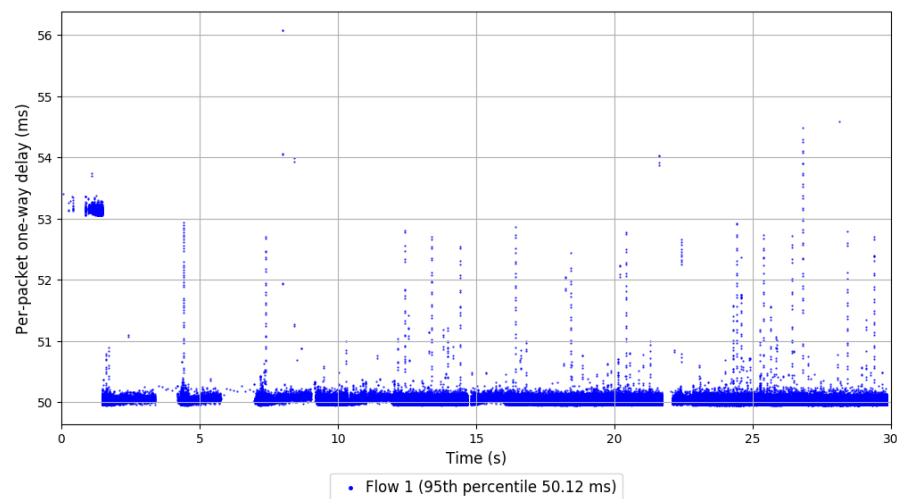
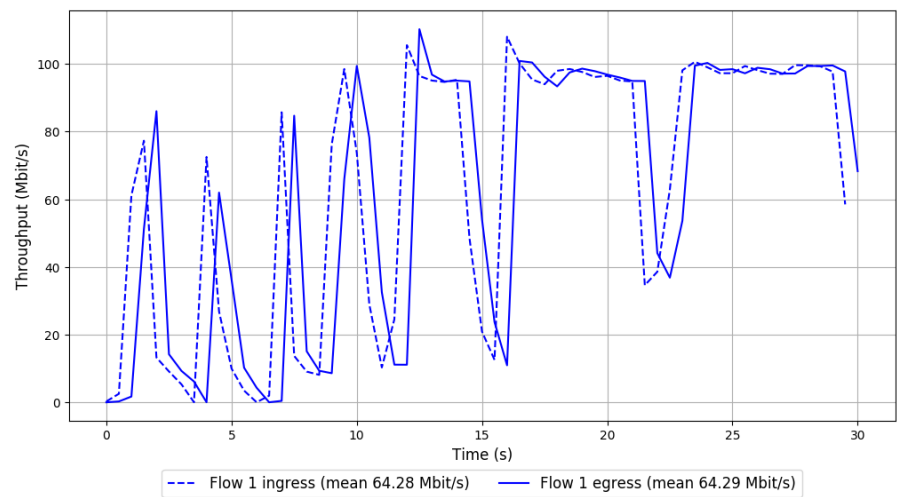
-- Flow 1:

Average throughput: 64.29 Mbit/s

95th percentile per-packet one-way delay: 50.115 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-25 22:27:33

End at: 2018-05-25 22:28:03

Local clock offset: 0.049 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 50.546 ms

Loss rate: 0.00%

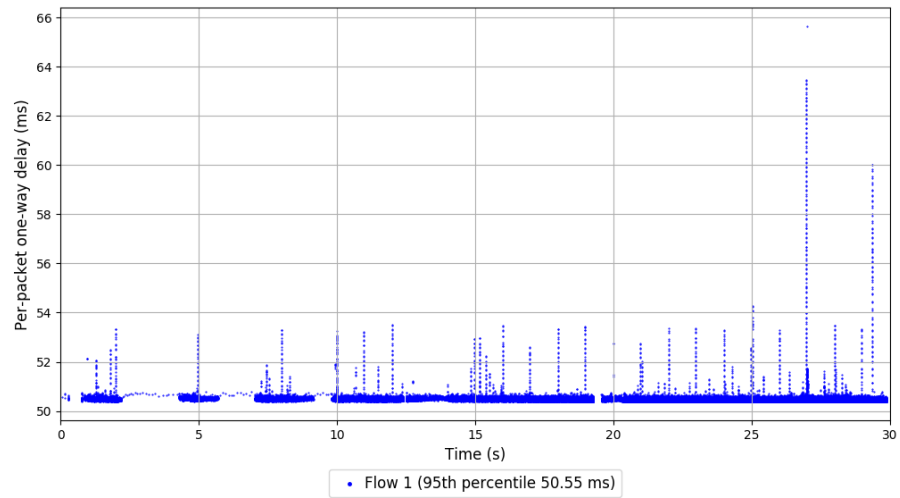
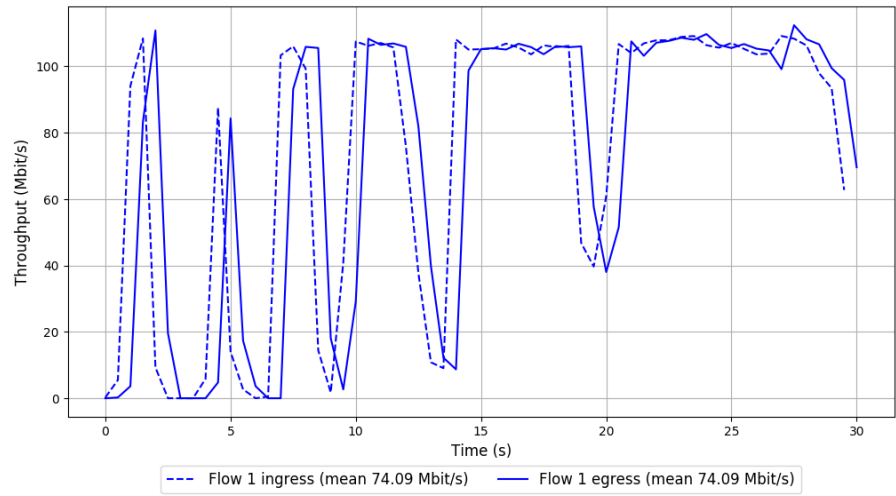
-- Flow 1:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 50.546 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

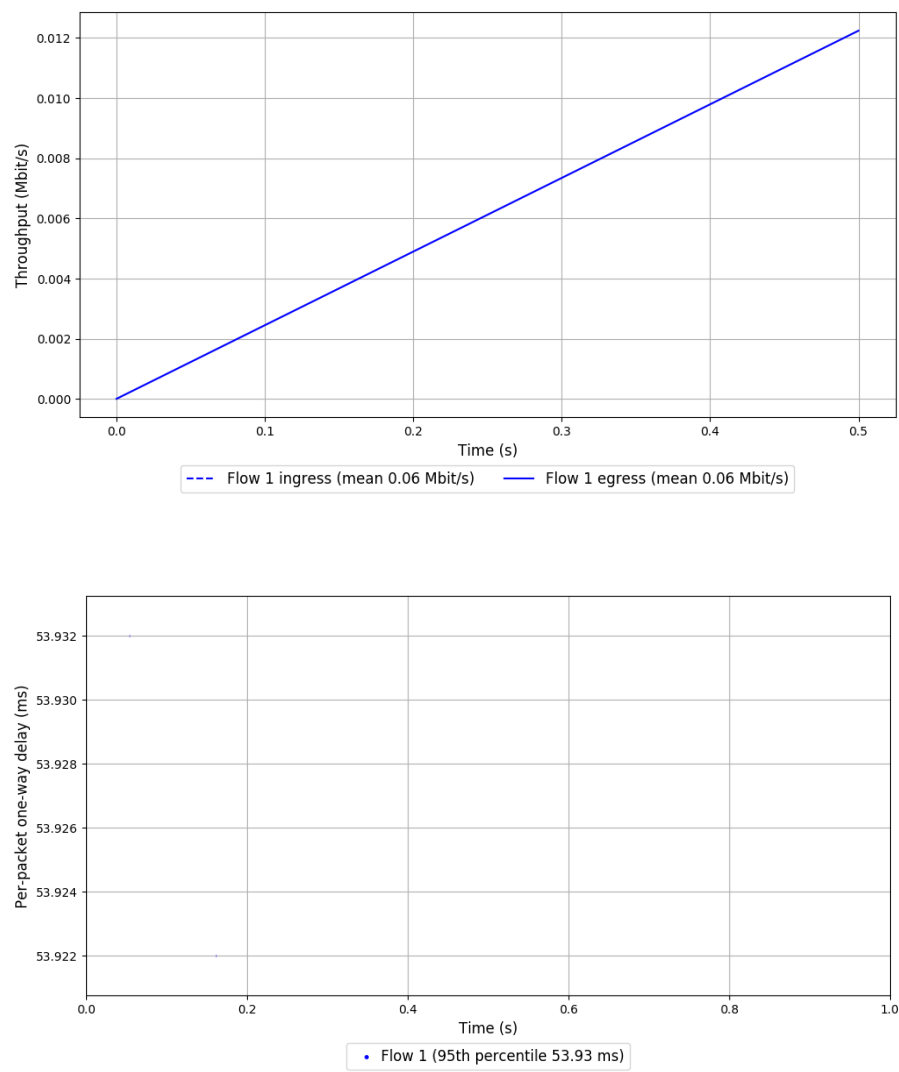
Start at: 2018-05-25 22:47:55

End at: 2018-05-25 22:48:25

Local clock offset: -0.249 ms

Remote clock offset: -0.062 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

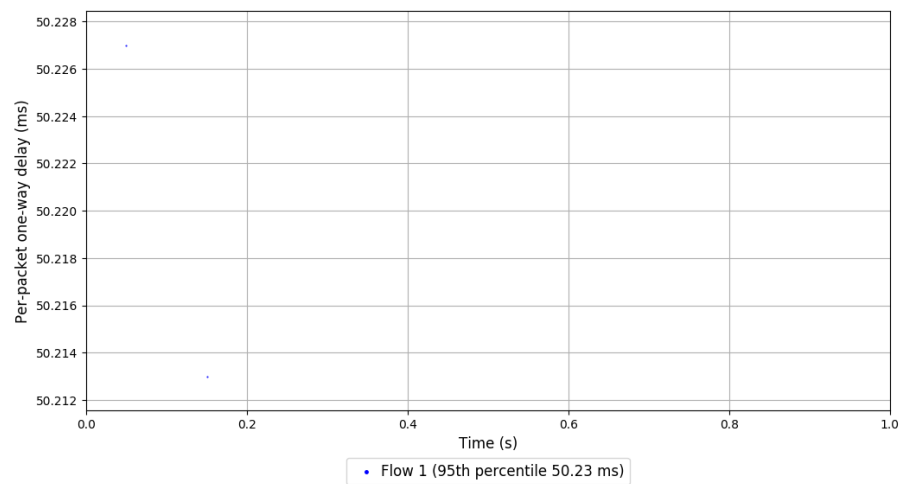
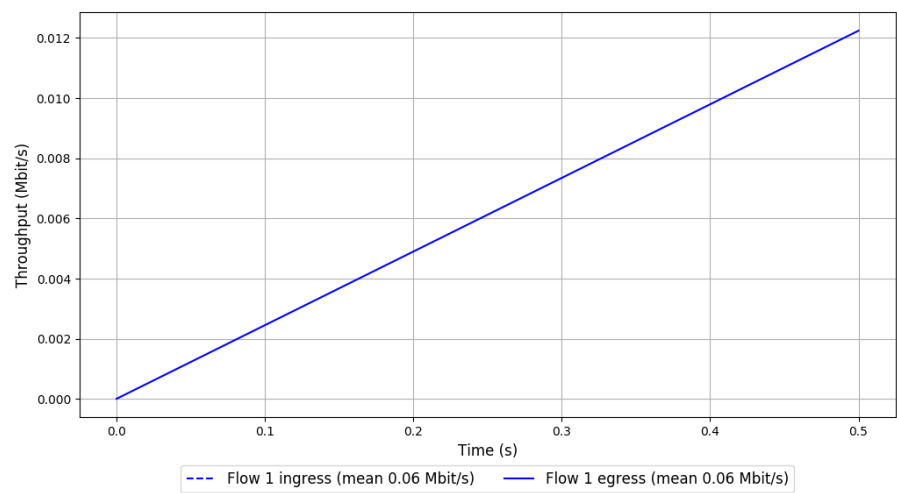
Start at: 2018-05-25 23:08:26

End at: 2018-05-25 23:08:56

Local clock offset: 0.153 ms

Remote clock offset: 0.124 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

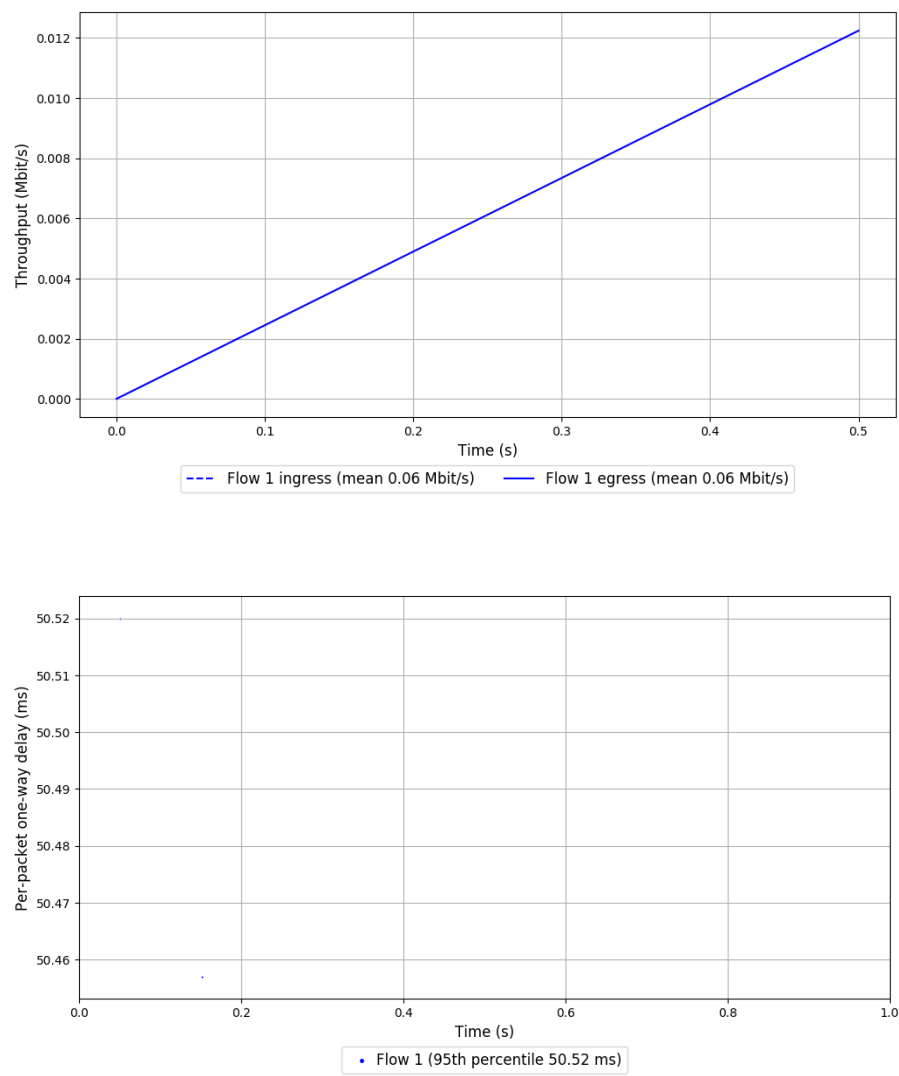
Start at: 2018-05-25 23:28:50

End at: 2018-05-25 23:29:20

Local clock offset: 0.027 ms

Remote clock offset: 0.212 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

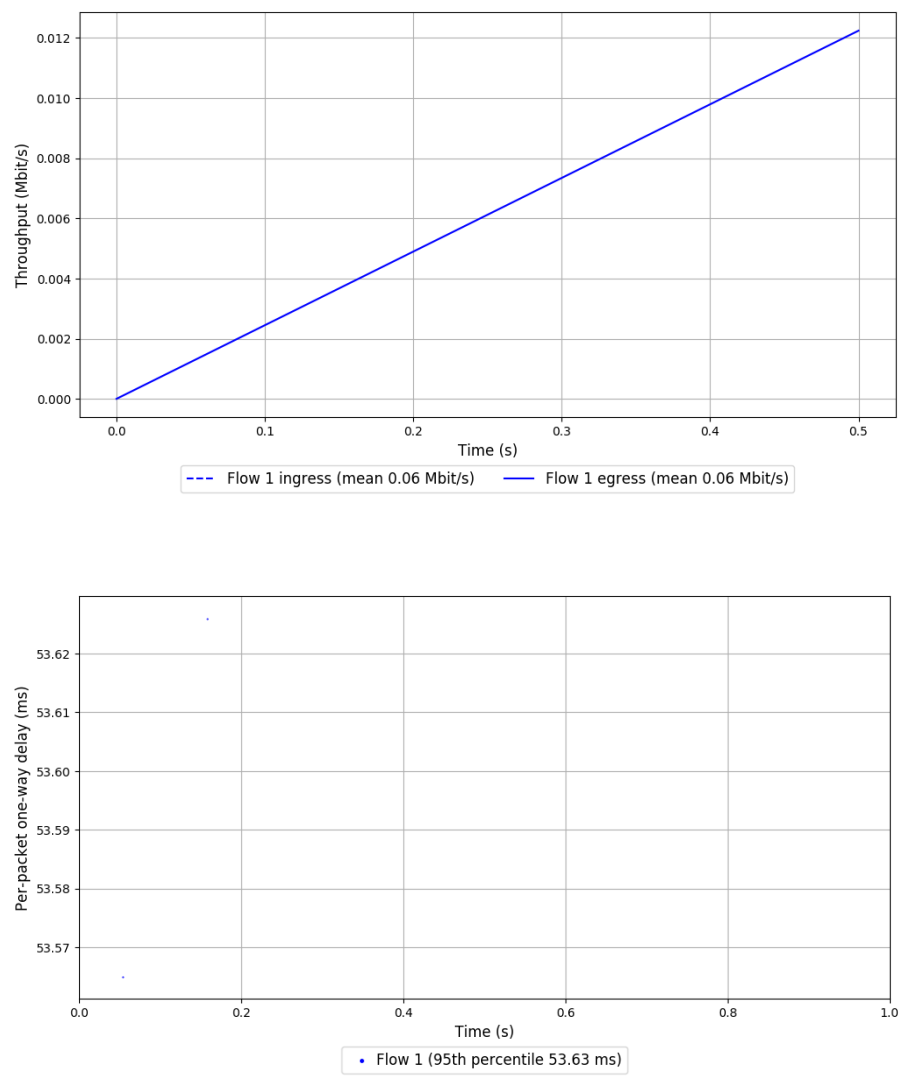
Start at: 2018-05-25 23:49:48

End at: 2018-05-25 23:50:18

Local clock offset: 0.113 ms

Remote clock offset: 0.187 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

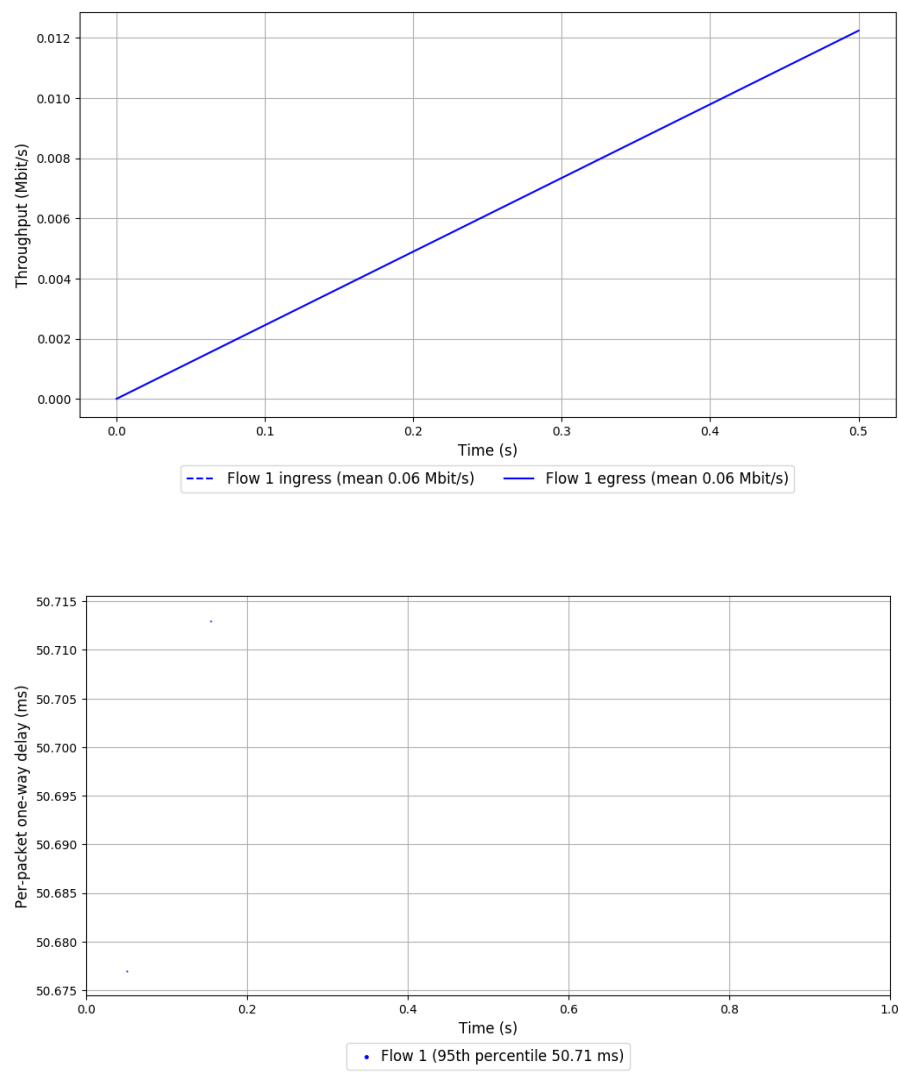
Start at: 2018-05-26 00:10:11

End at: 2018-05-26 00:10:41

Local clock offset: 0.107 ms

Remote clock offset: 0.148 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-26 00:31:16

End at: 2018-05-26 00:31:46

Local clock offset: -0.508 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 54.299 ms

Loss rate: 0.00%

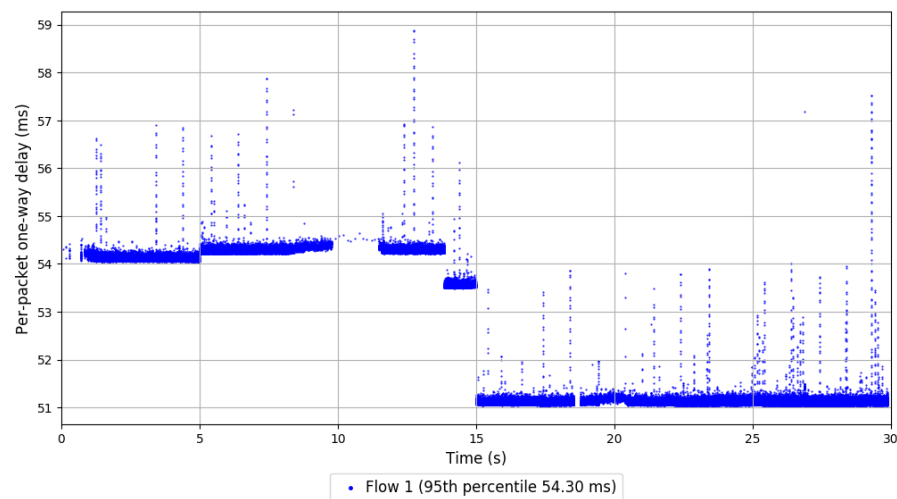
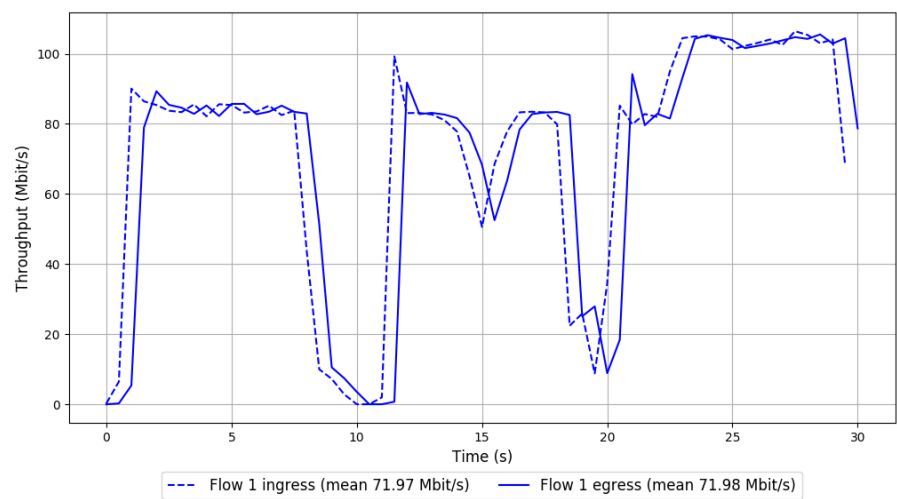
-- Flow 1:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 54.299 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

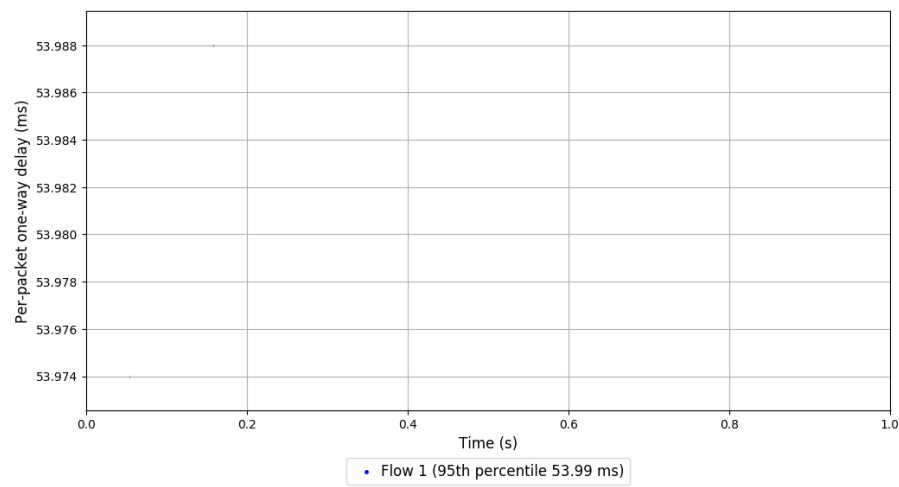
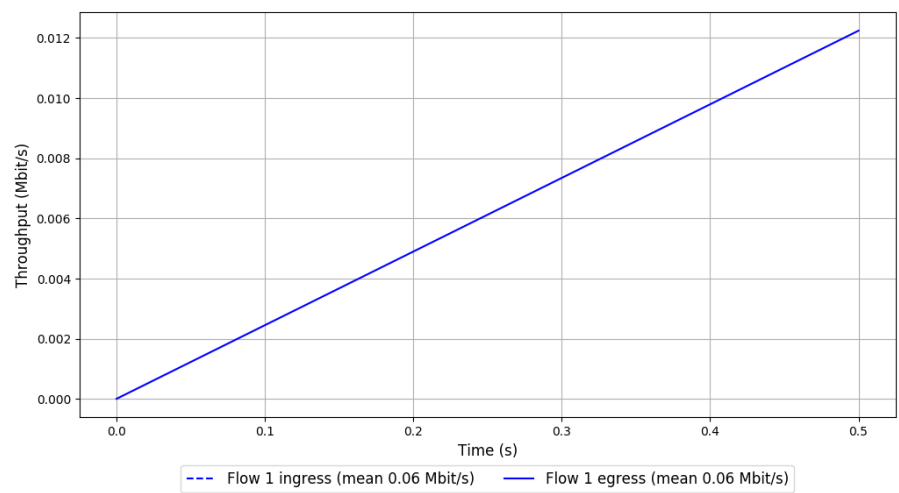
Start at: 2018-05-26 00:52:07

End at: 2018-05-26 00:52:37

Local clock offset: -0.248 ms

Remote clock offset: 0.041 ms

Run 10: Report of QUIC Cubic — Data Link

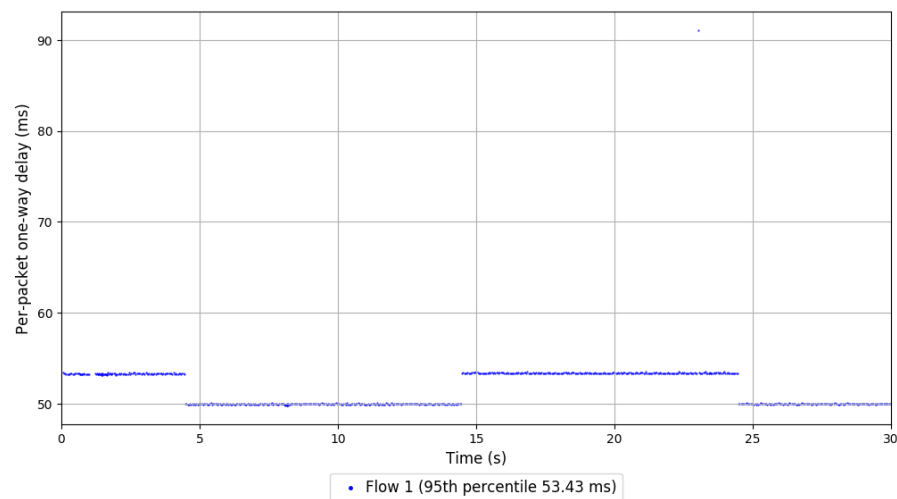
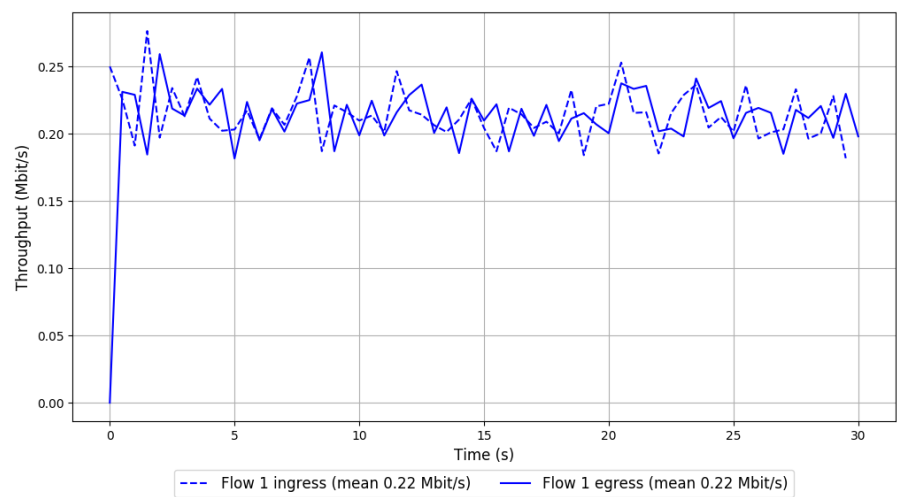


```
Run 1: Statistics of SCReAM

Start at: 2018-05-25 21:43:16
End at: 2018-05-25 21:43:46
Local clock offset: 0.406 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-05-26 02:21:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.427 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

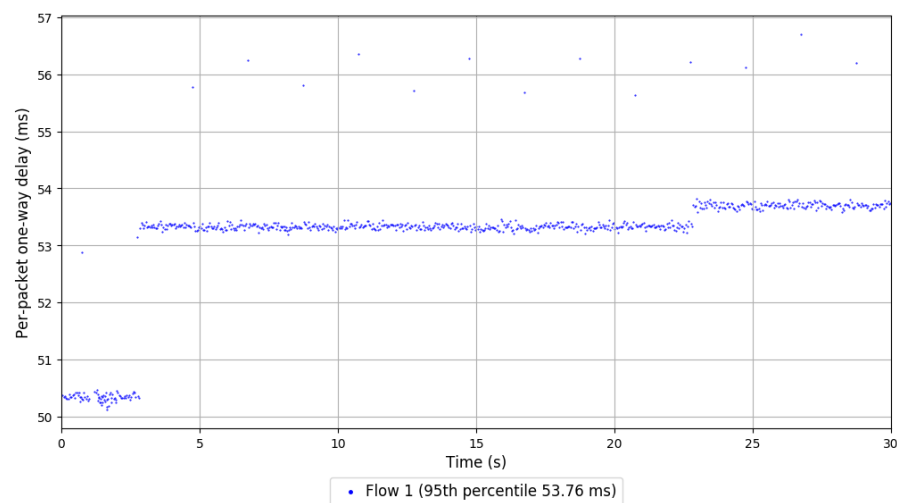
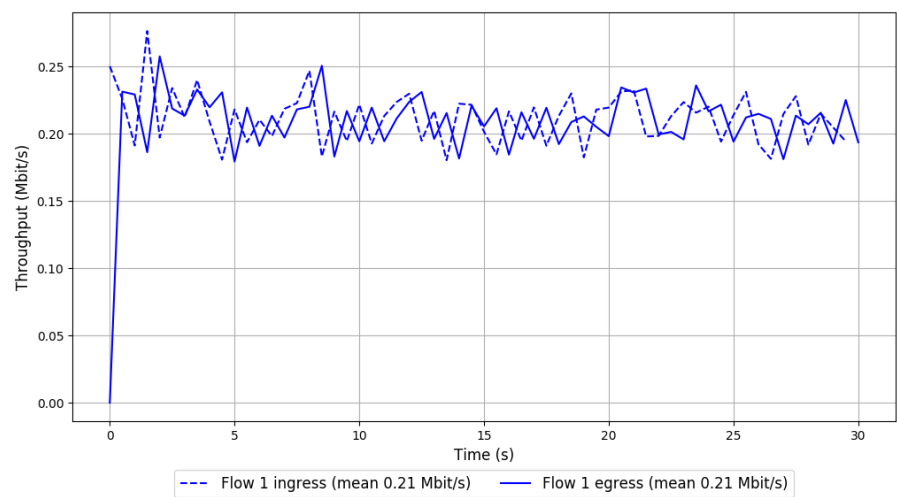


Run 2: Statistics of SCReAM

Start at: 2018-05-25 22:03:23
End at: 2018-05-25 22:03:53
Local clock offset: -0.103 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-05-26 02:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-25 22:23:42

End at: 2018-05-25 22:24:13

Local clock offset: -0.025 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.571 ms

Loss rate: 0.00%

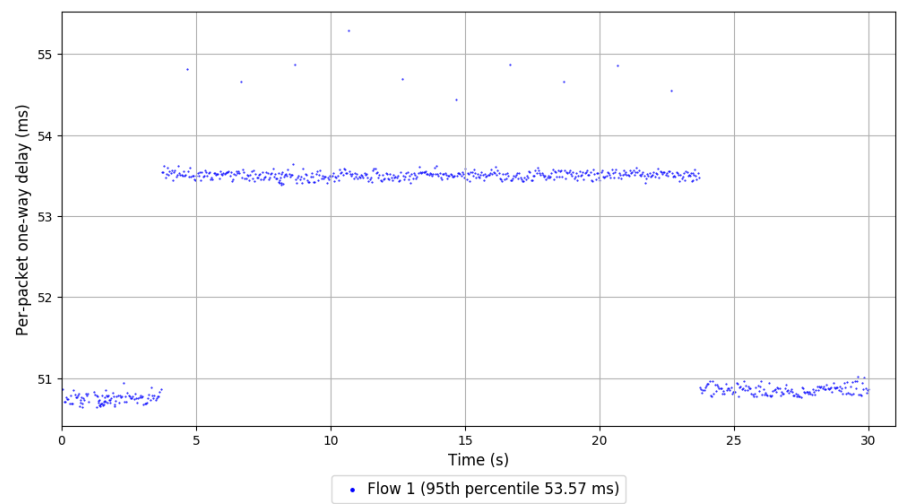
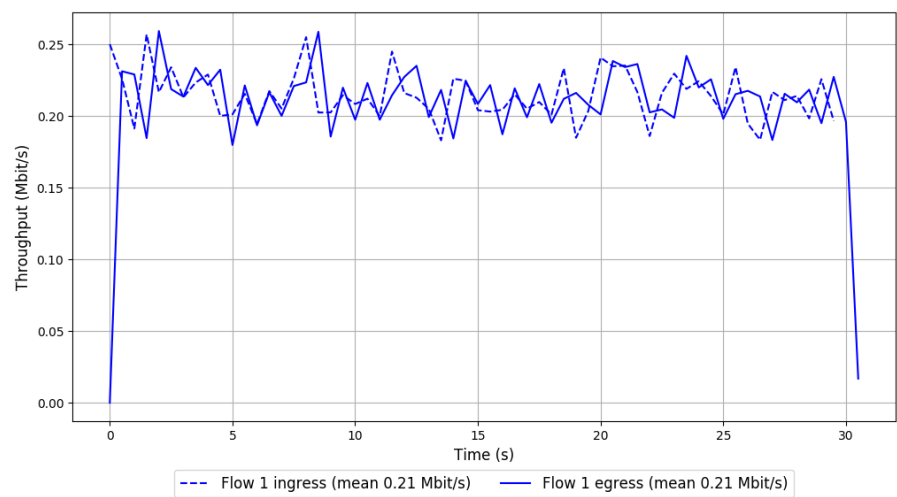
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.571 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

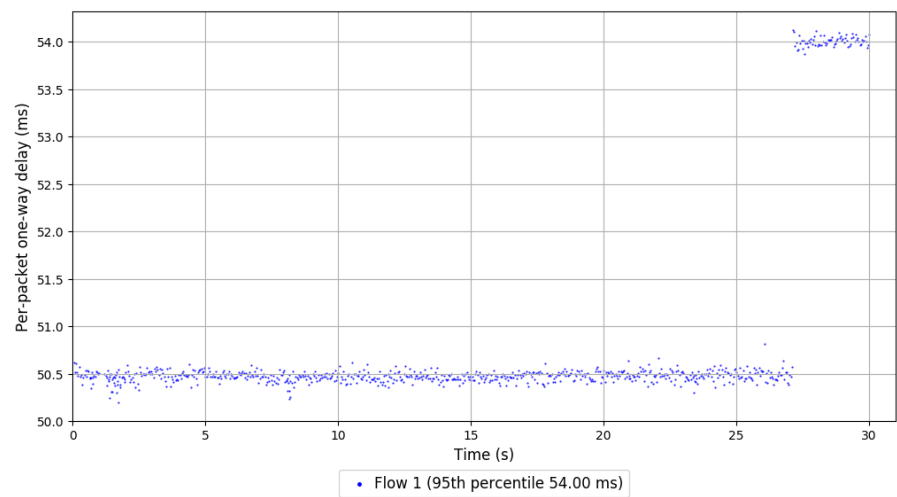
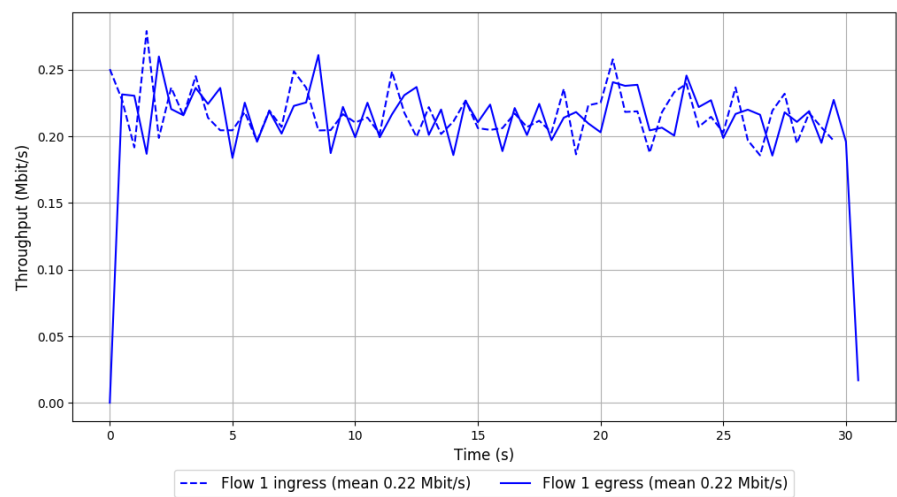


Run 4: Statistics of SCReAM

Start at: 2018-05-25 22:44:19
End at: 2018-05-25 22:44:49
Local clock offset: -0.259 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-26 02:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.002 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

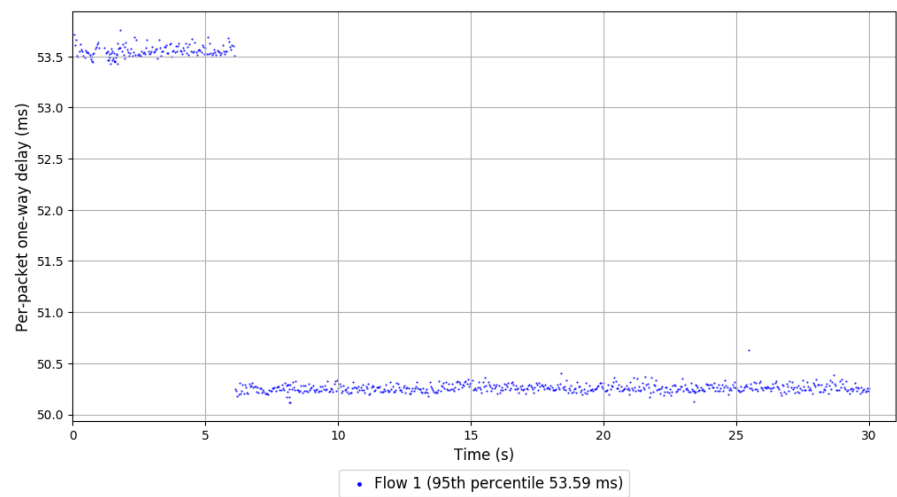
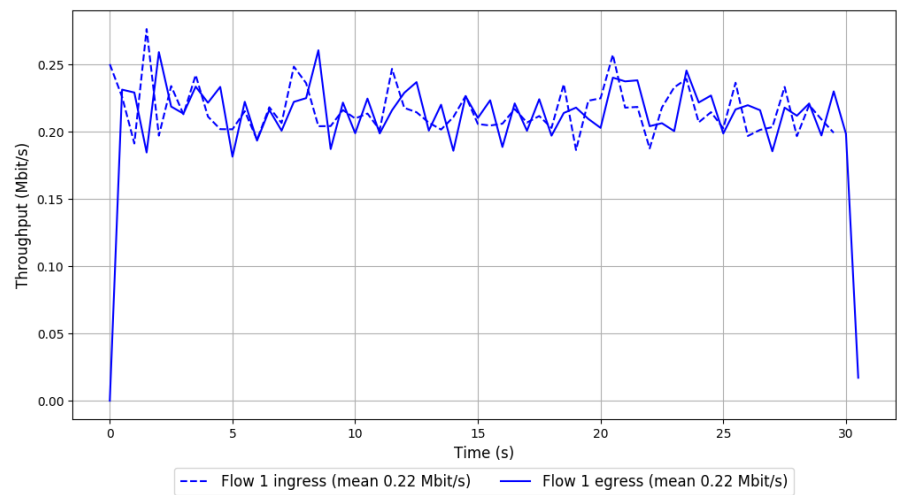


Run 5: Statistics of SCReAM

Start at: 2018-05-25 23:04:40
End at: 2018-05-25 23:05:10
Local clock offset: 0.008 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-05-26 02:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.589 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-25 23:25:14

End at: 2018-05-25 23:25:44

Local clock offset: 0.076 ms

Remote clock offset: 0.503 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.274 ms

Loss rate: 0.00%

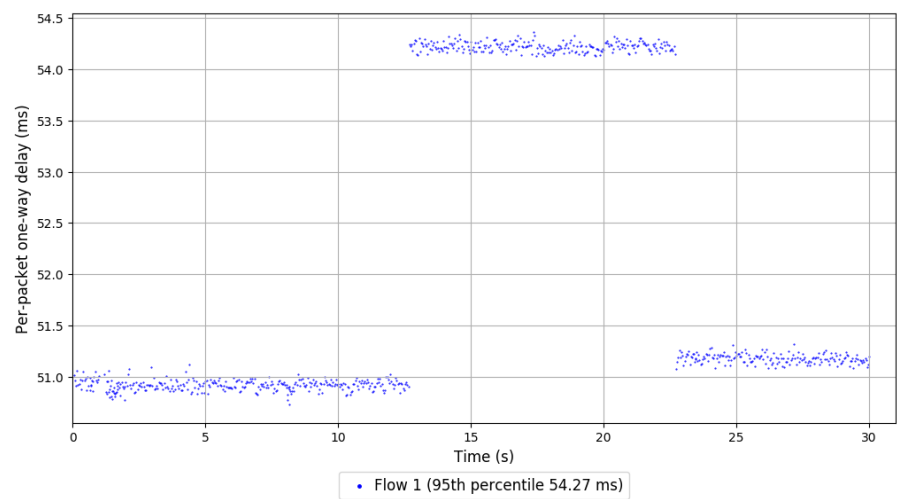
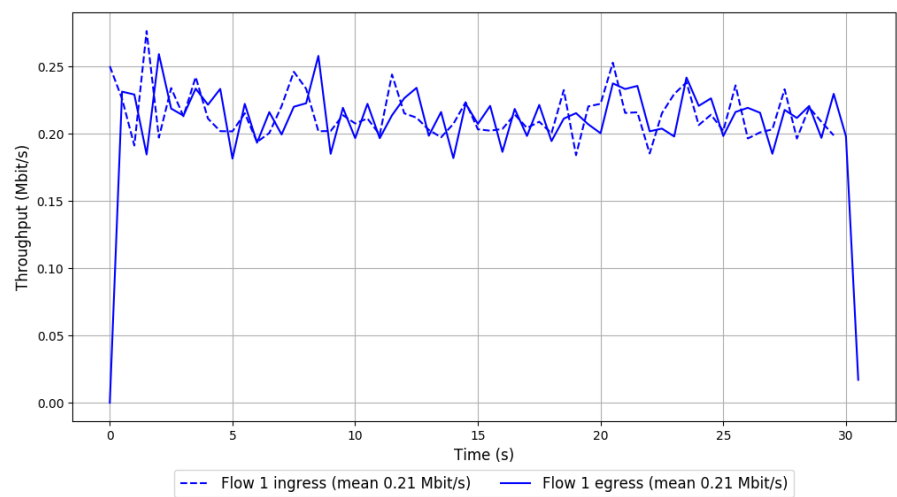
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.274 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

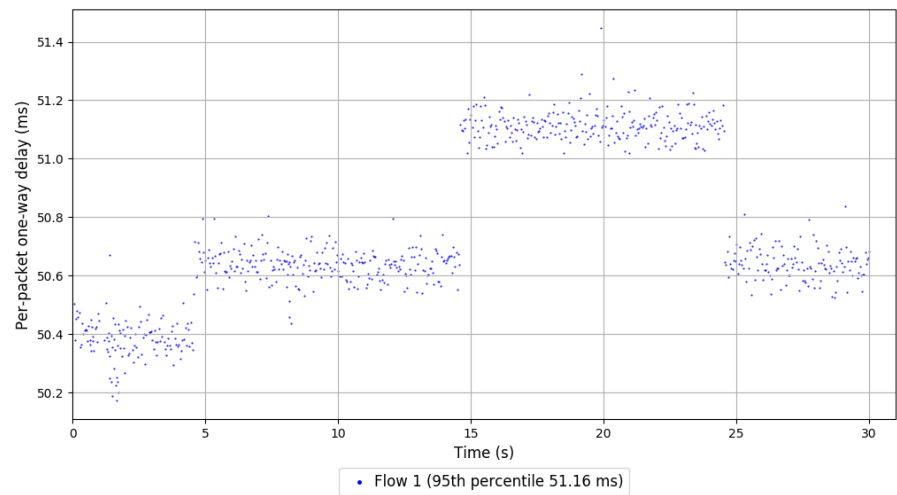
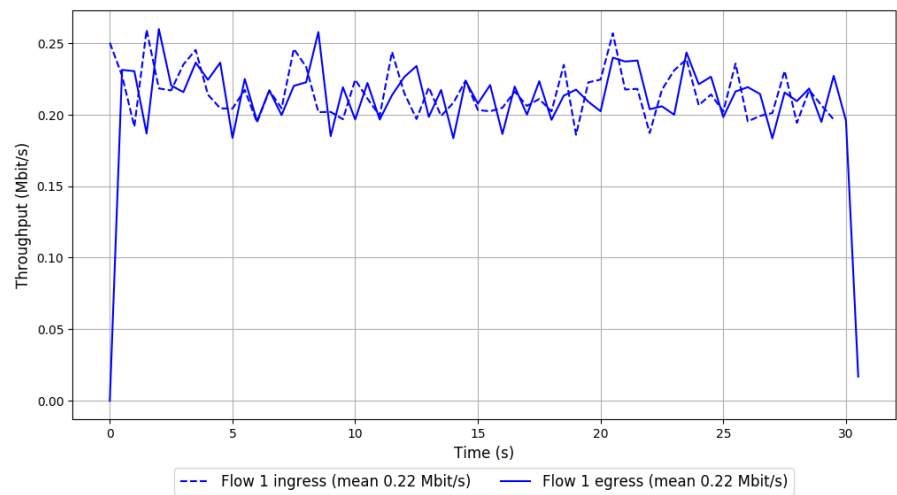


Run 7: Statistics of SCReAM

Start at: 2018-05-25 23:45:52
End at: 2018-05-25 23:46:22
Local clock offset: -0.254 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-26 02:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.157 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-26 00:06:24

End at: 2018-05-26 00:06:54

Local clock offset: -0.241 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.00%

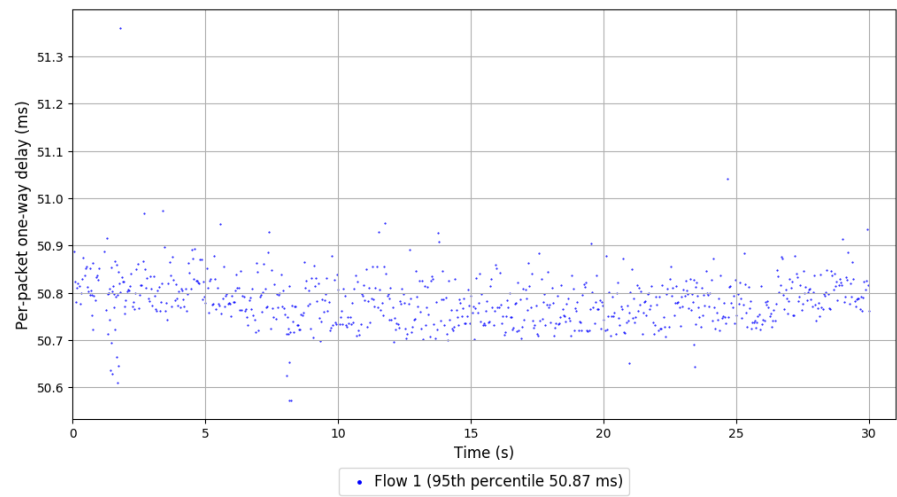
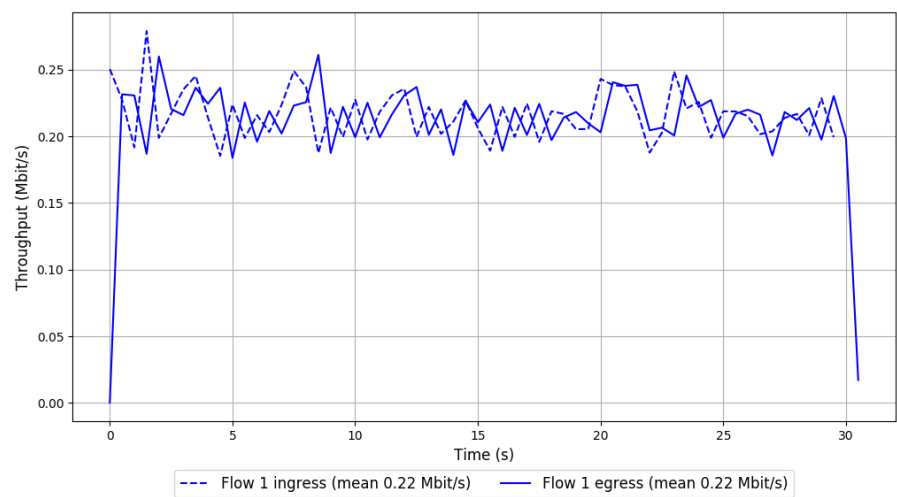
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-26 00:27:22

End at: 2018-05-26 00:27:52

Local clock offset: 0.122 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-05-26 02:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.774 ms

Loss rate: 0.00%

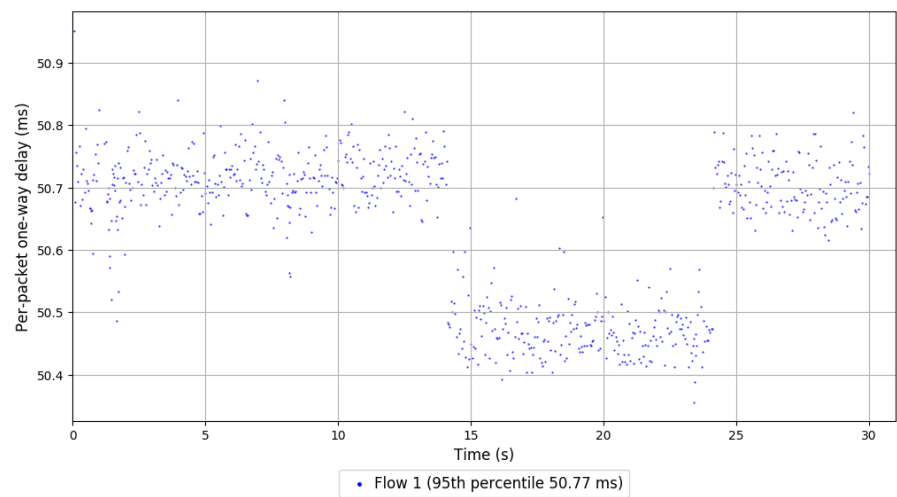
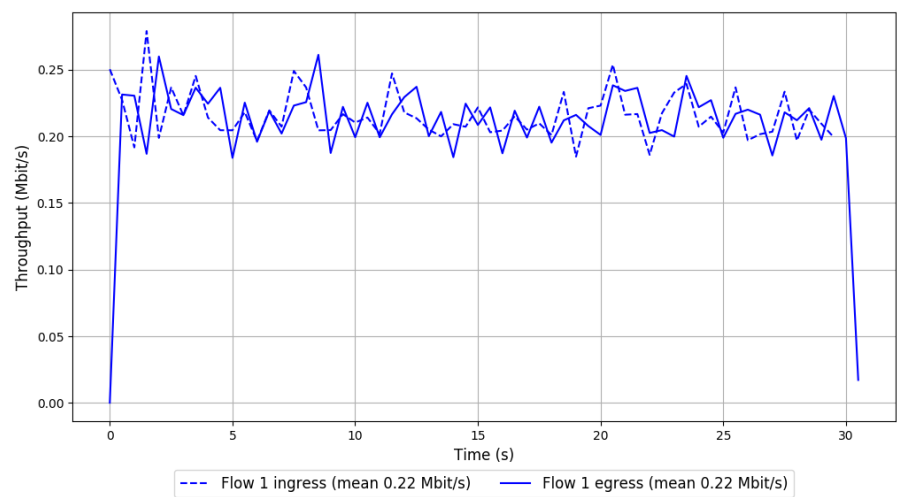
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.774 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

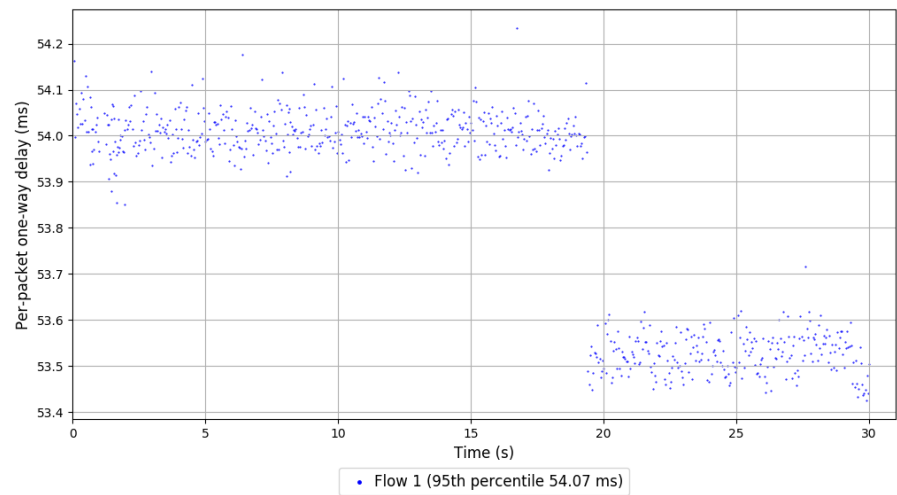
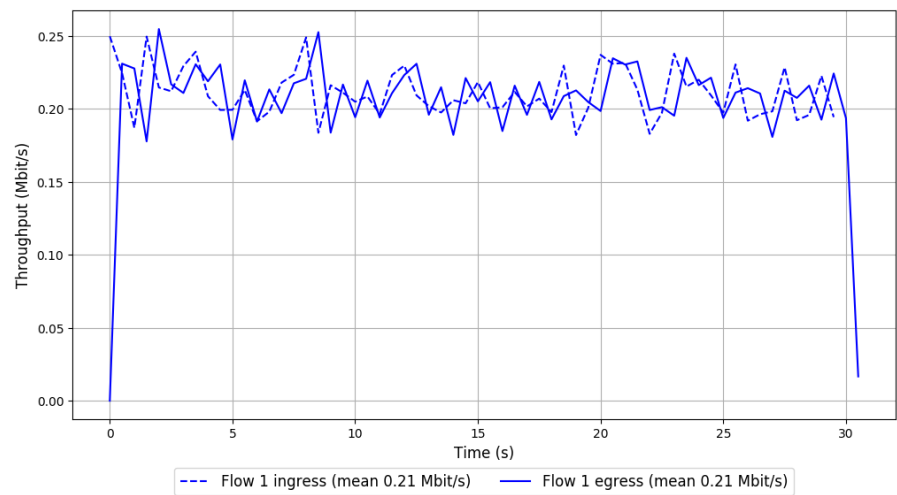


Run 10: Statistics of SReAM

Start at: 2018-05-26 00:48:07
End at: 2018-05-26 00:48:37
Local clock offset: -0.283 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-05-26 02:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.071 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-25 21:39:56

End at: 2018-05-25 21:40:26

Local clock offset: 0.519 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.62 Mbit/s

95th percentile per-packet one-way delay: 54.089 ms

Loss rate: 0.00%

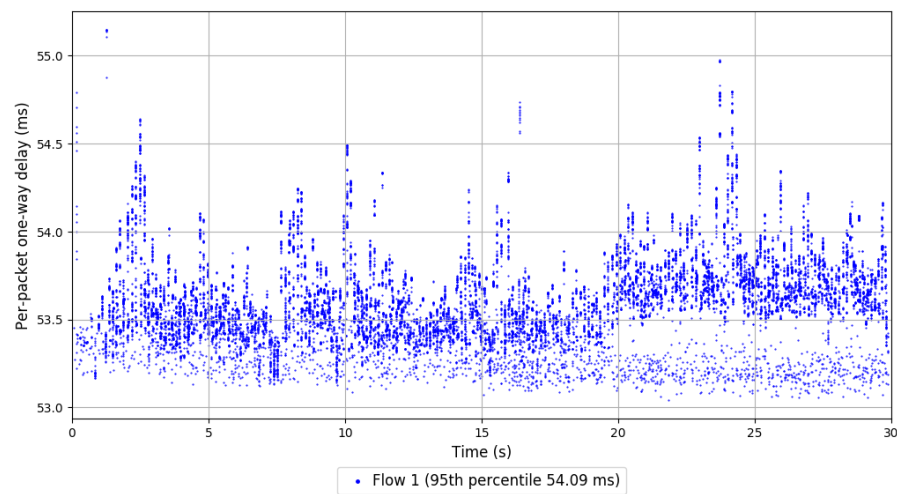
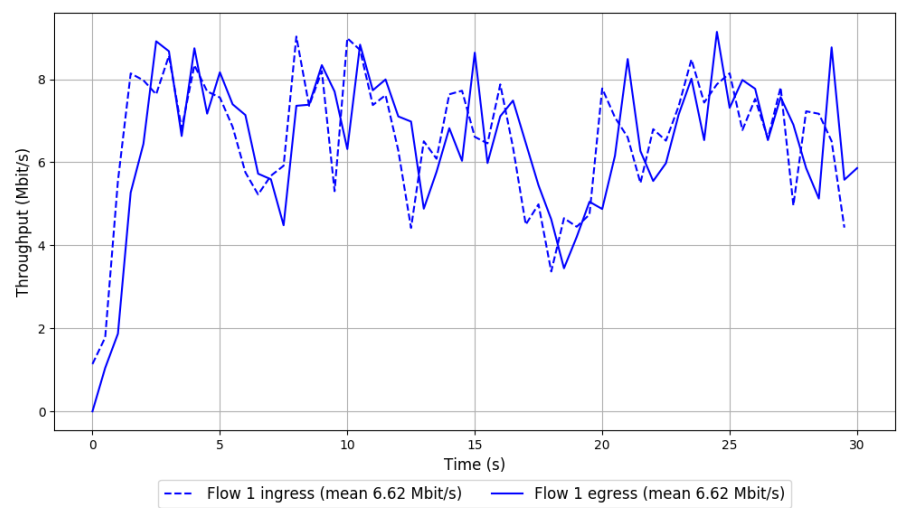
-- Flow 1:

Average throughput: 6.62 Mbit/s

95th percentile per-packet one-way delay: 54.089 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

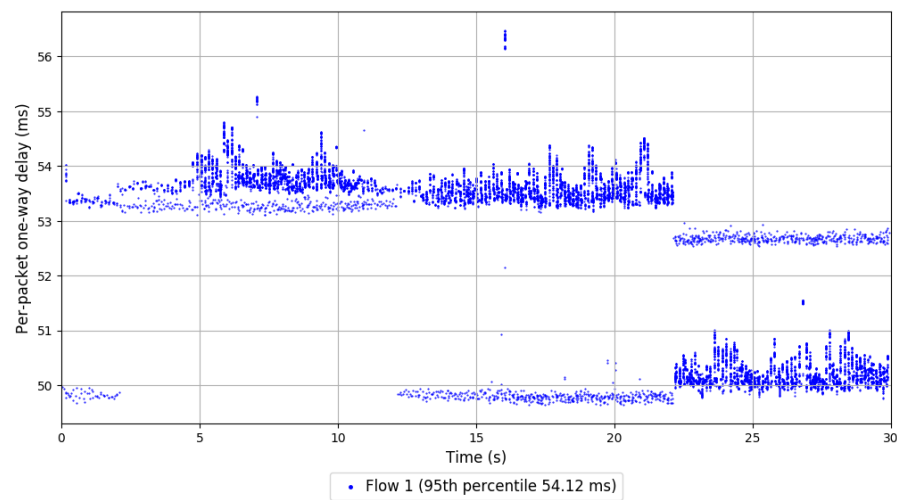
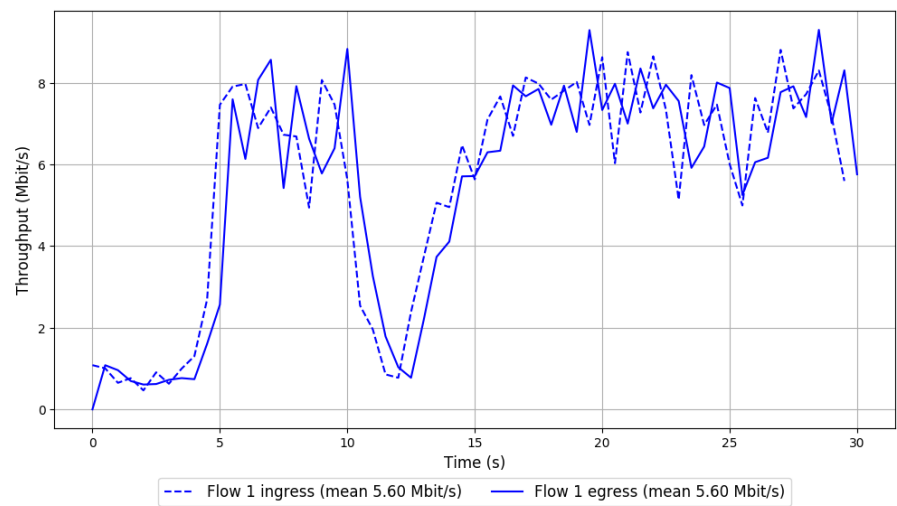


Run 2: Statistics of Sprout

Start at: 2018-05-25 22:00:04
End at: 2018-05-25 22:00:34
Local clock offset: 0.336 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-26 02:21:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 54.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 54.118 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

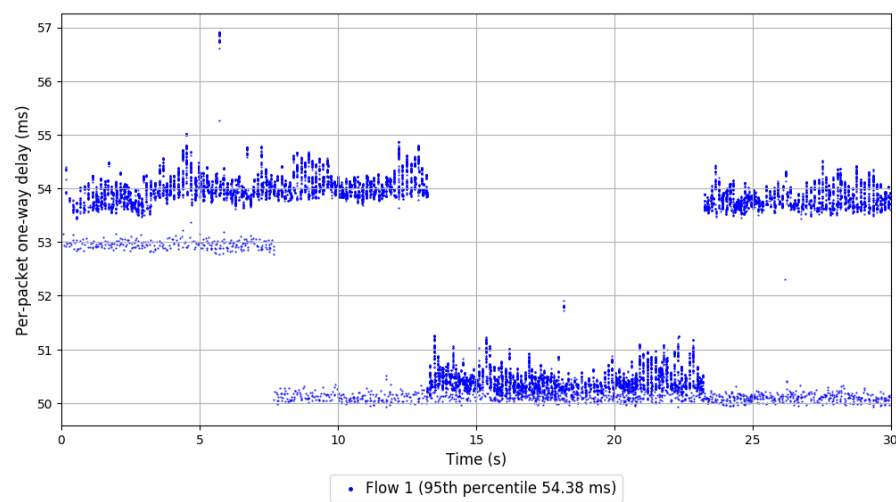
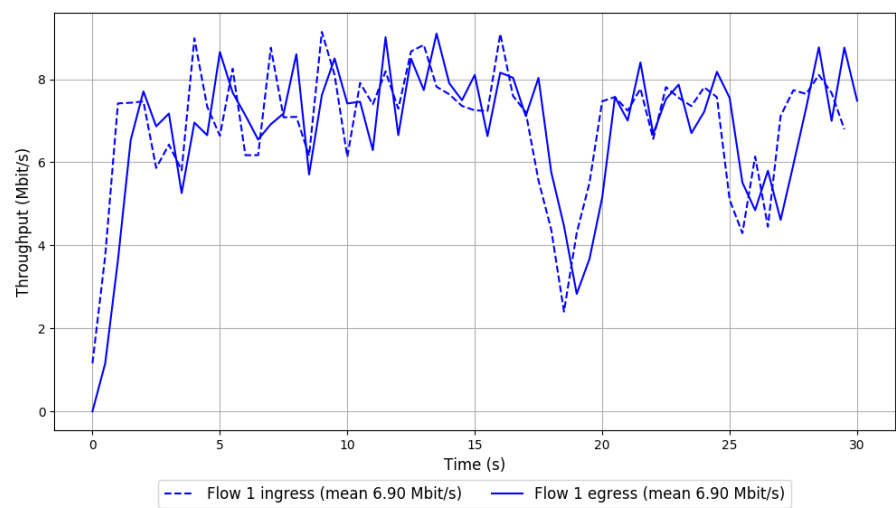


Run 3: Statistics of Sprout

Start at: 2018-05-25 22:20:23
End at: 2018-05-25 22:20:53
Local clock offset: -0.021 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-05-26 02:21:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 54.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 54.380 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

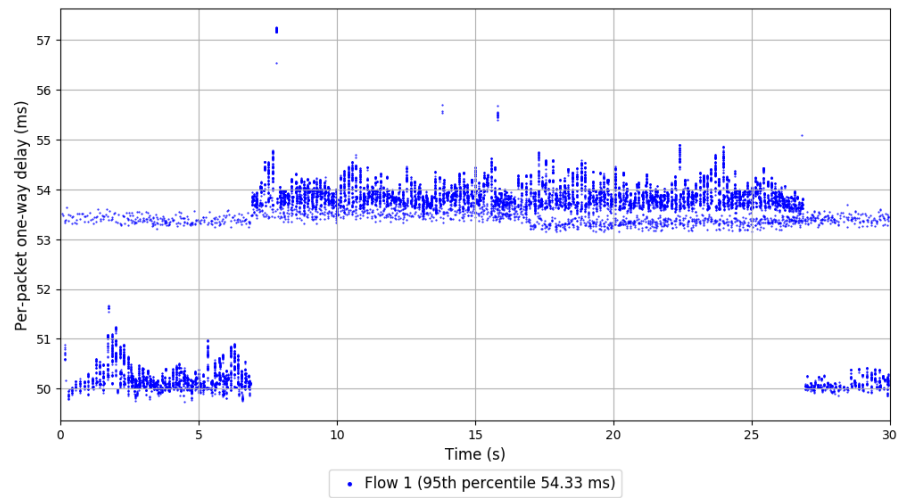
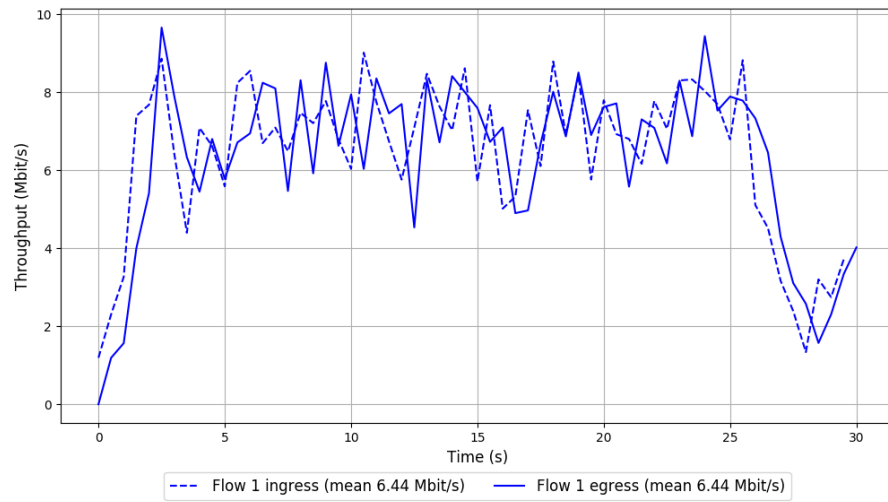


Run 4: Statistics of Sprout

Start at: 2018-05-25 22:40:59
End at: 2018-05-25 22:41:29
Local clock offset: 0.084 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-26 02:21:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-25 23:01:20

End at: 2018-05-25 23:01:50

Local clock offset: 0.103 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 53.887 ms

Loss rate: 0.00%

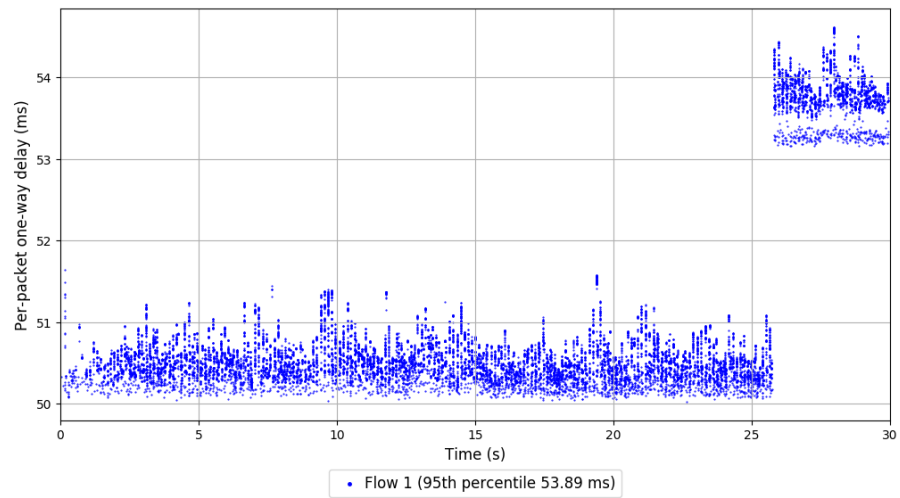
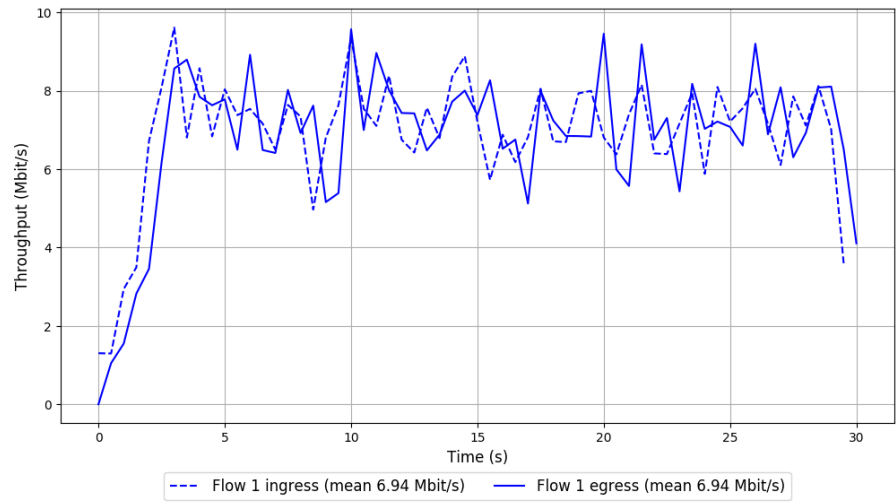
-- Flow 1:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 53.887 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-25 23:21:54

End at: 2018-05-25 23:22:24

Local clock offset: 0.158 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.41 Mbit/s

95th percentile per-packet one-way delay: 53.953 ms

Loss rate: 0.00%

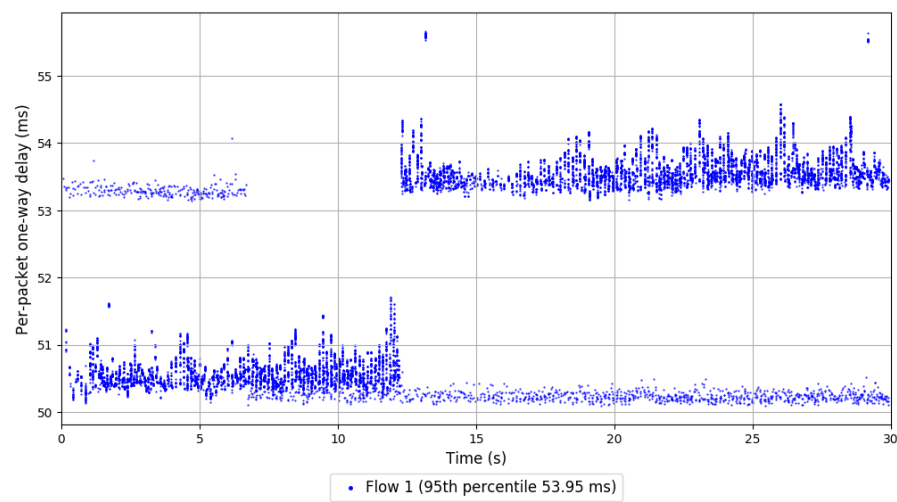
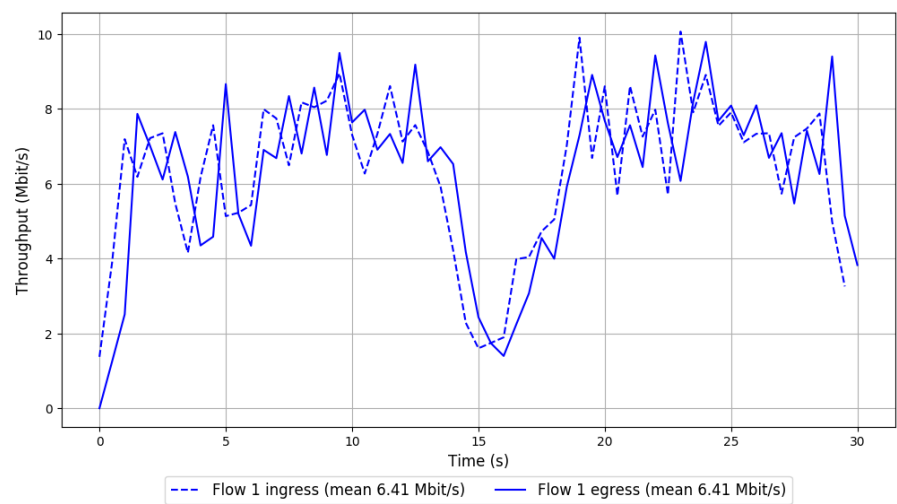
-- Flow 1:

Average throughput: 6.41 Mbit/s

95th percentile per-packet one-way delay: 53.953 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-25 23:42:32

End at: 2018-05-25 23:43:02

Local clock offset: 0.055 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 54.674 ms

Loss rate: 0.00%

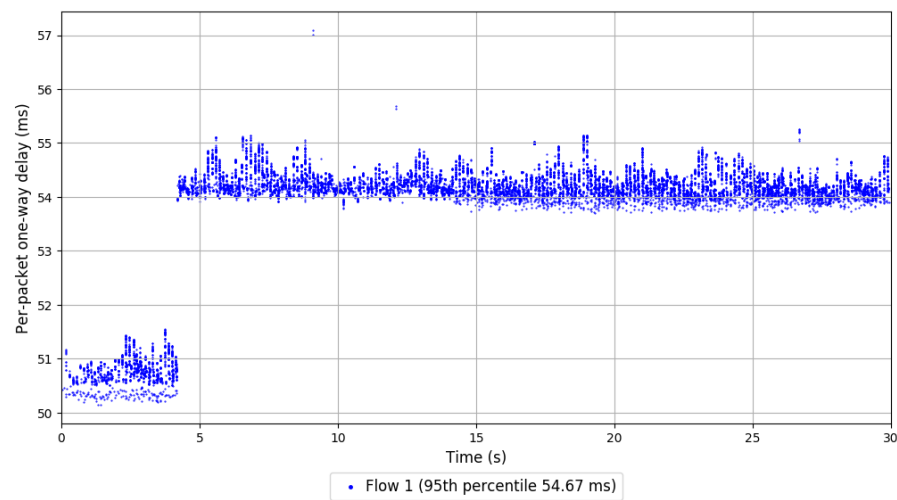
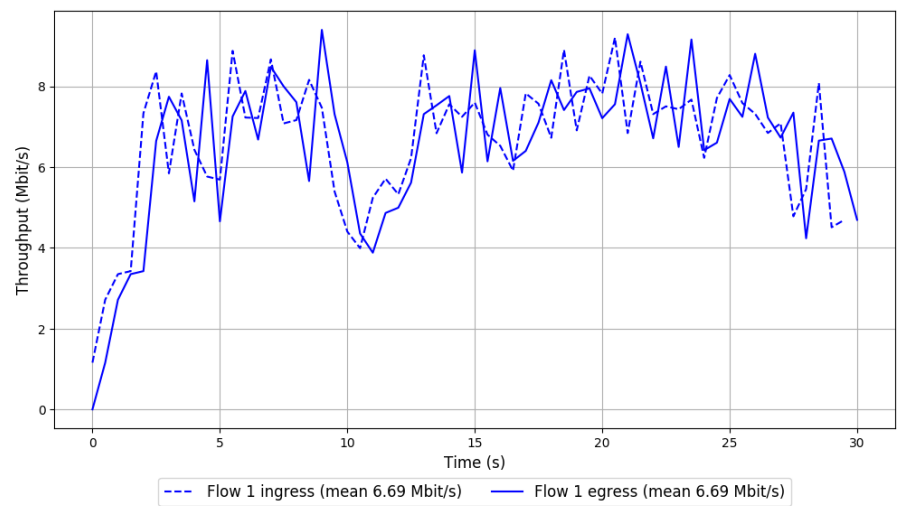
-- Flow 1:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 54.674 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-26 00:03:04

End at: 2018-05-26 00:03:34

Local clock offset: 0.04 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 54.436 ms

Loss rate: 0.00%

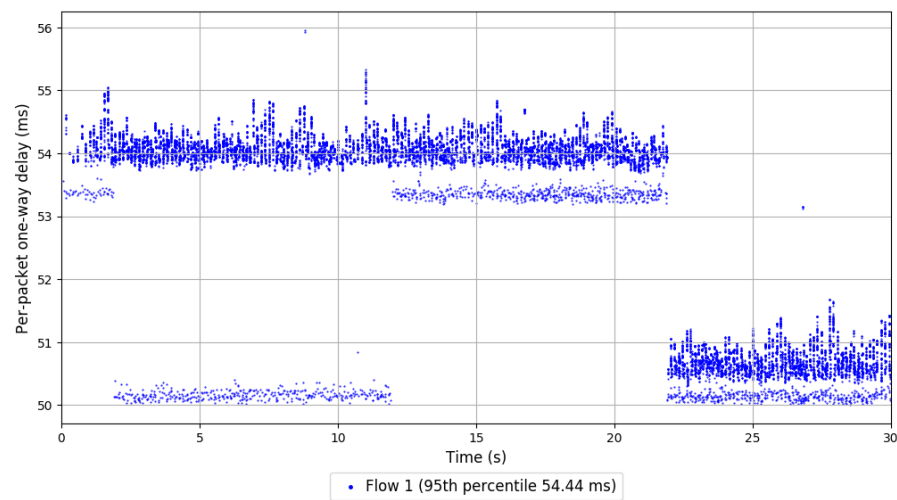
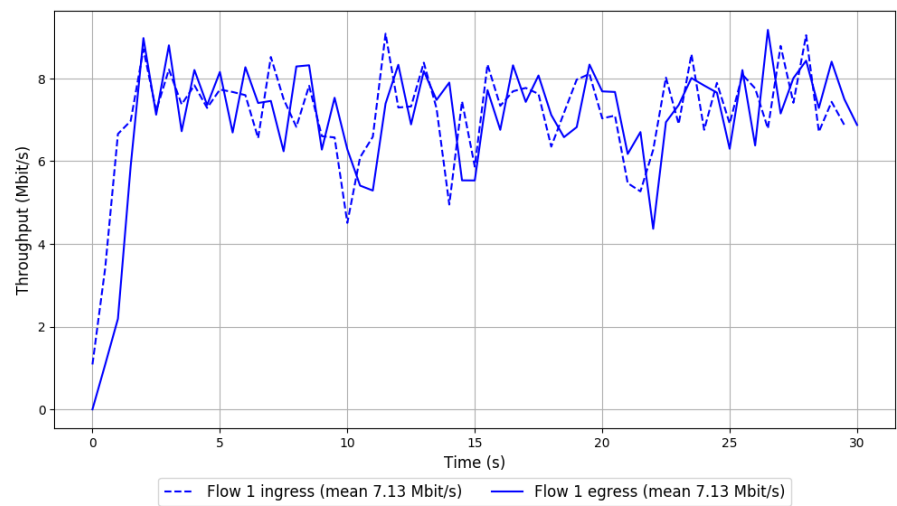
-- Flow 1:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 54.436 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

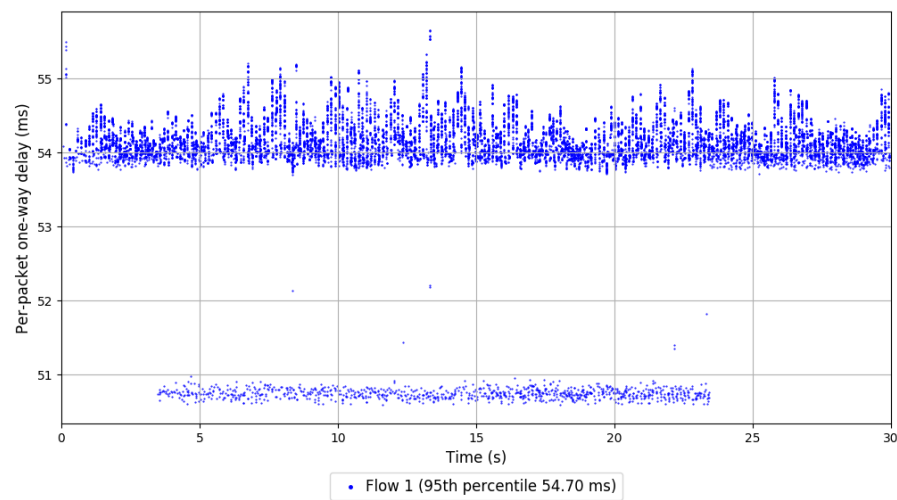
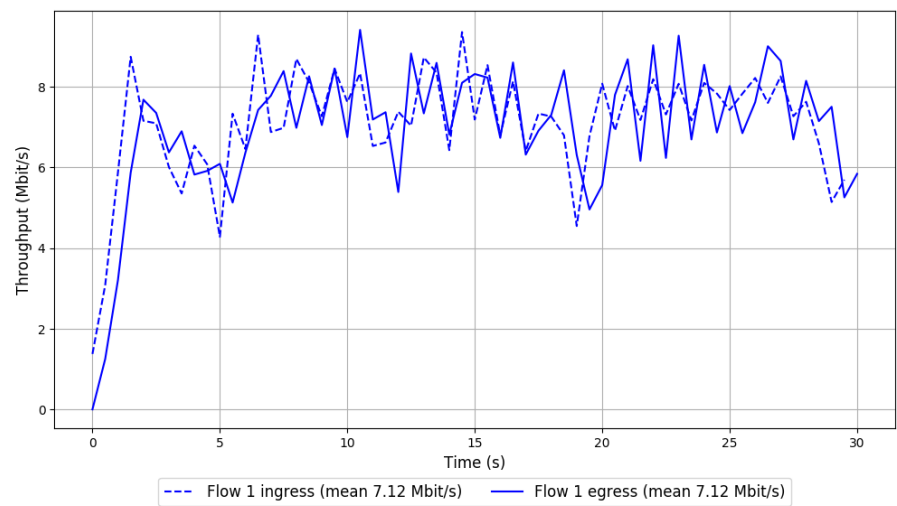


Run 9: Statistics of Sprout

Start at: 2018-05-26 00:24:03
End at: 2018-05-26 00:24:33
Local clock offset: -0.324 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-26 02:21:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 54.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 54.700 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-26 00:44:47

End at: 2018-05-26 00:45:17

Local clock offset: -0.314 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 54.309 ms

Loss rate: 0.00%

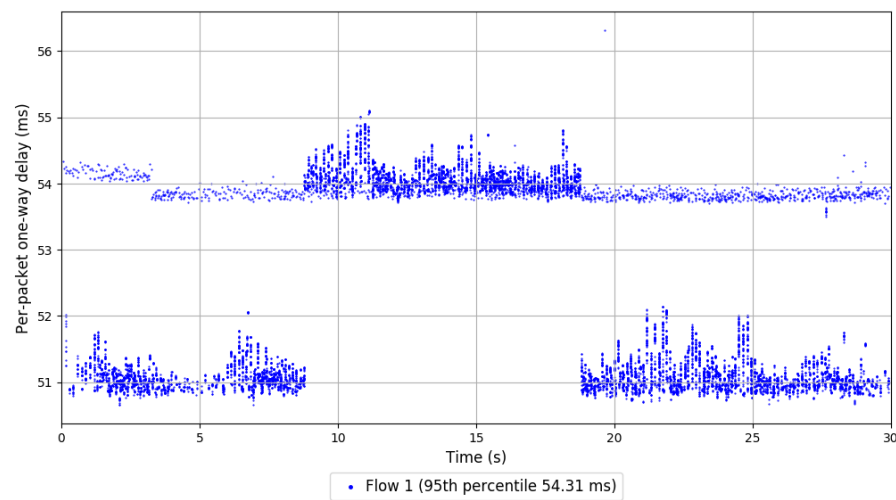
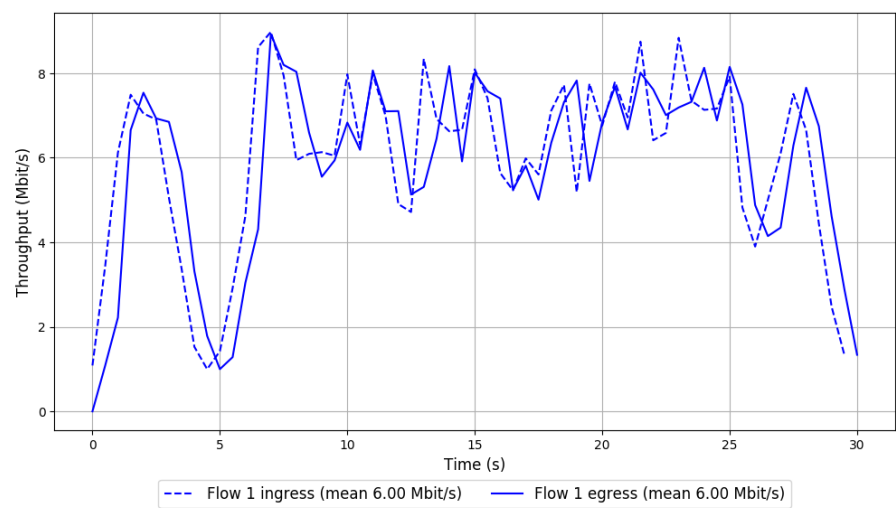
-- Flow 1:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 54.309 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

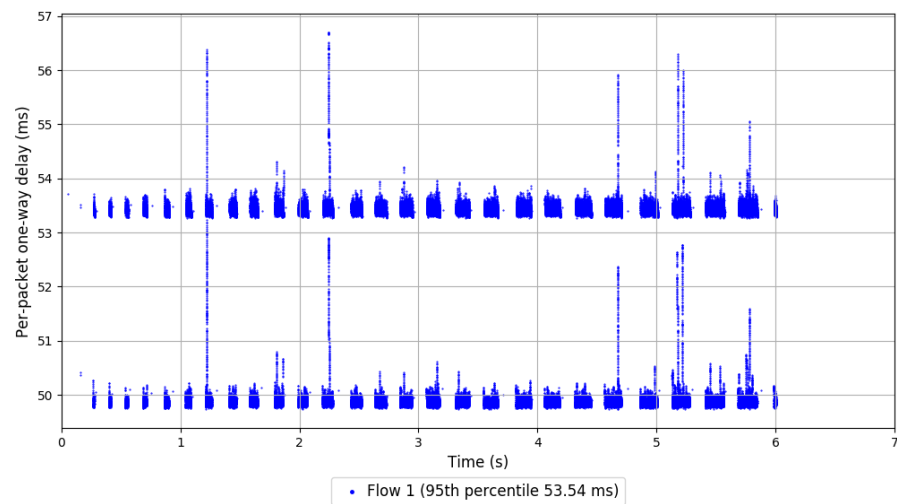
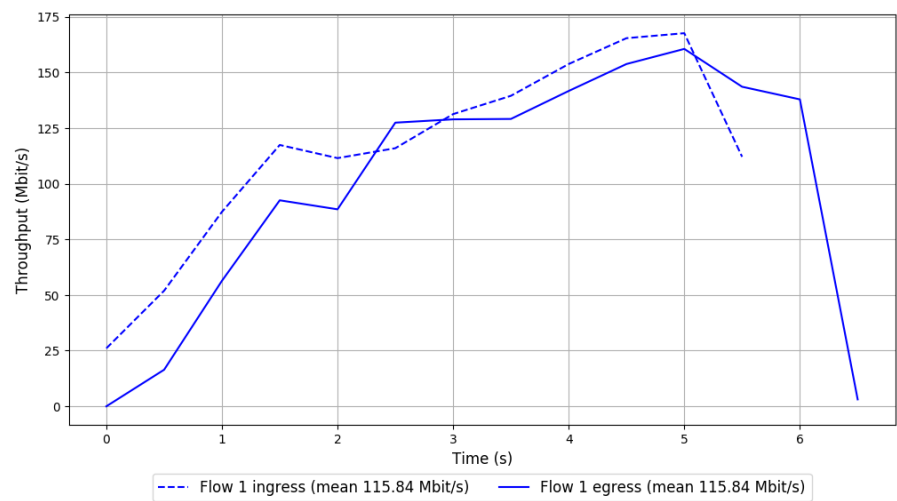
Start at: 2018-05-25 21:38:49

End at: 2018-05-25 21:39:19

Local clock offset: -0.001 ms

Remote clock offset: -0.371 ms

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



Run 2: Statistics of TaoVA-100x

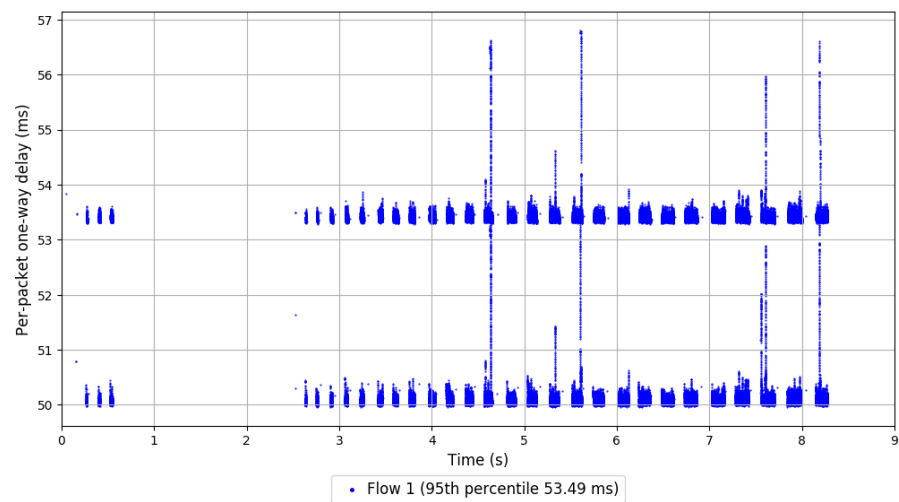
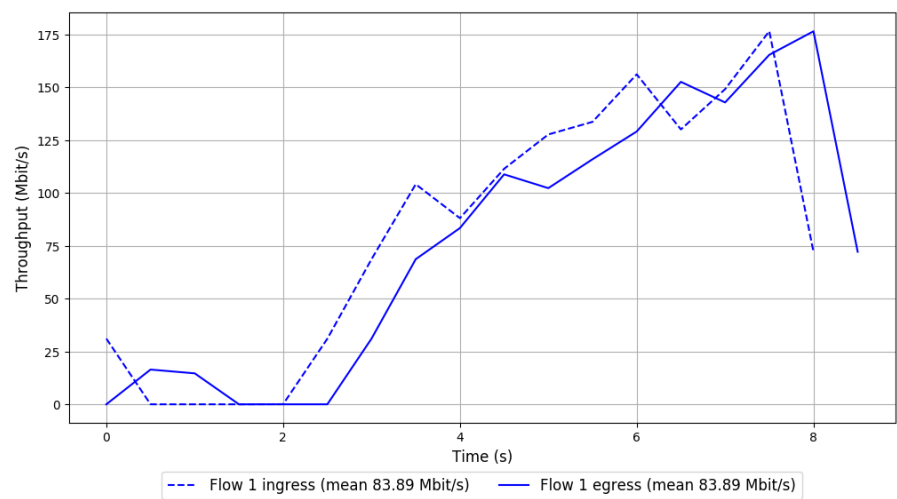
Start at: 2018-05-25 21:58:57

End at: 2018-05-25 21:59:27

Local clock offset: 0.27 ms

Remote clock offset: 0.165 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-25 22:19:16

End at: 2018-05-25 22:19:46

Local clock offset: -0.448 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 54.399 ms

Loss rate: 0.00%

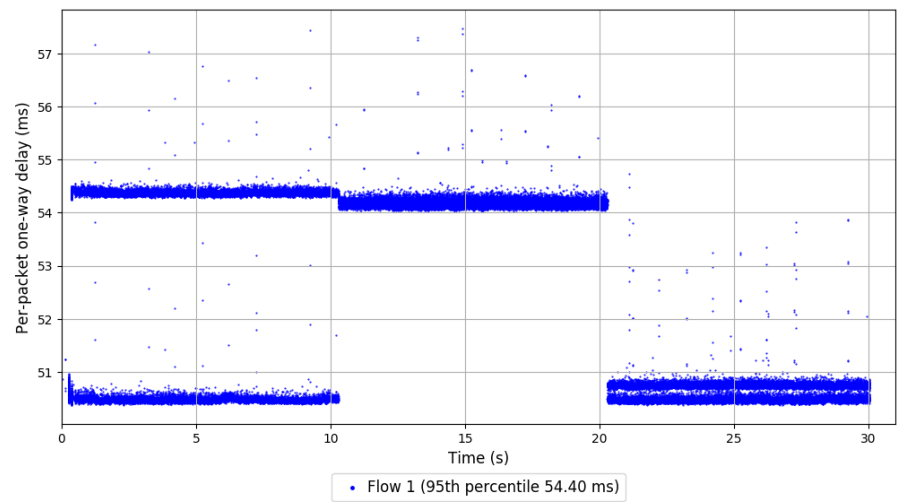
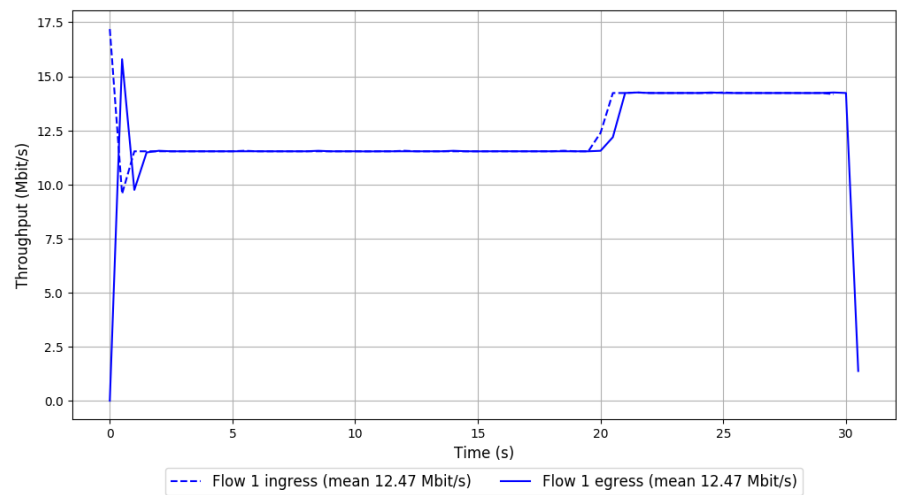
-- Flow 1:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 54.399 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-25 22:39:52

End at: 2018-05-25 22:40:22

Local clock offset: 0.329 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 53.385 ms

Loss rate: 0.01%

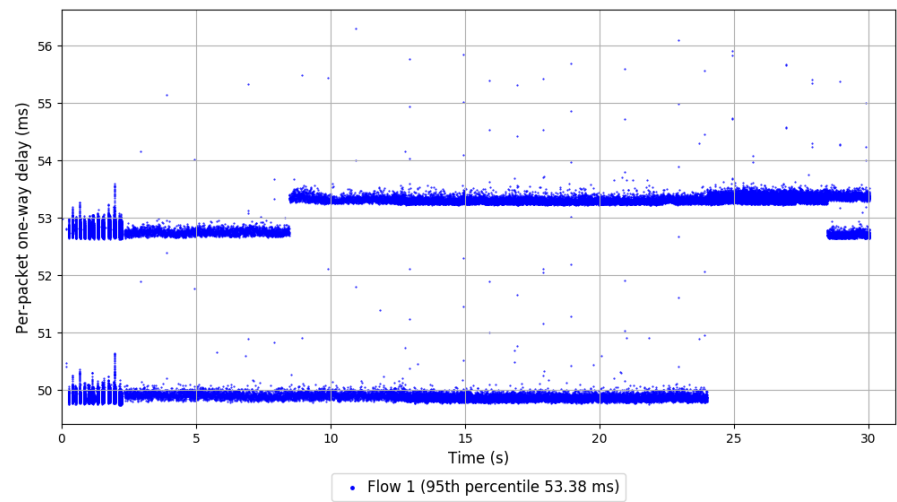
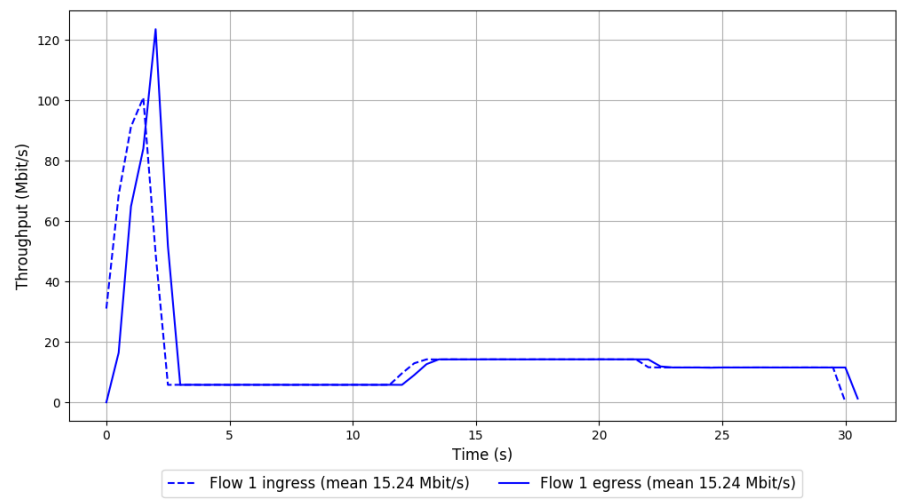
-- Flow 1:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 53.385 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-25 23:00:13

End at: 2018-05-25 23:00:43

Local clock offset: 0.167 ms

Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.91 Mbit/s

95th percentile per-packet one-way delay: 53.504 ms

Loss rate: 0.00%

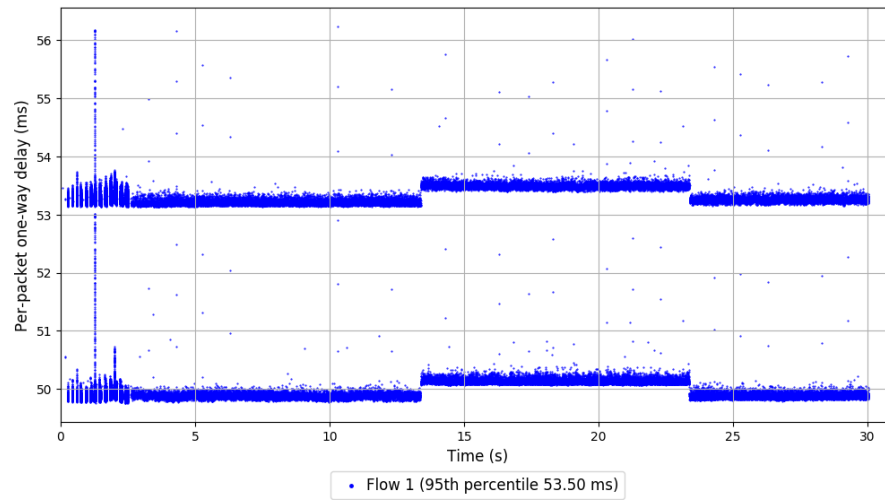
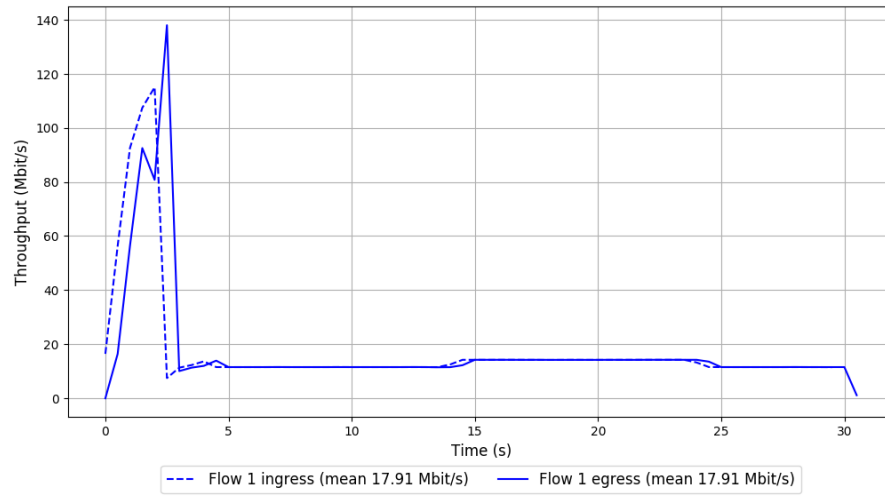
-- Flow 1:

Average throughput: 17.91 Mbit/s

95th percentile per-packet one-way delay: 53.504 ms

Loss rate: 0.00%

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

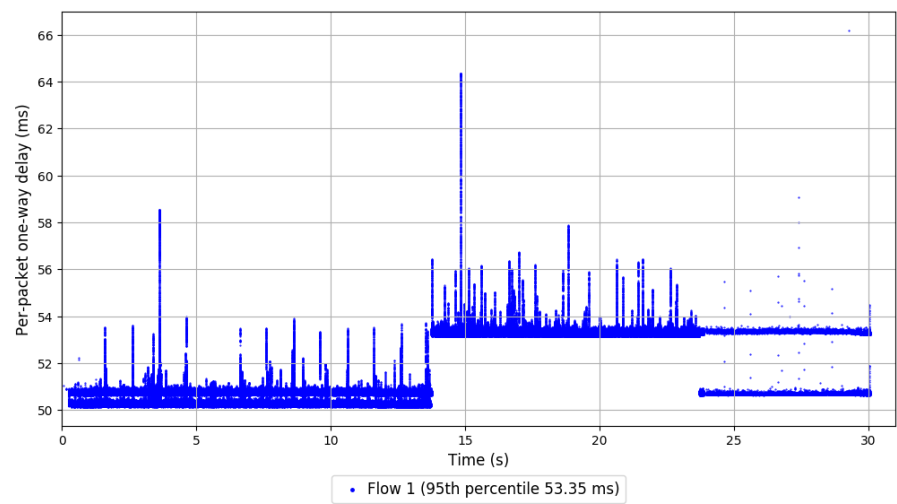
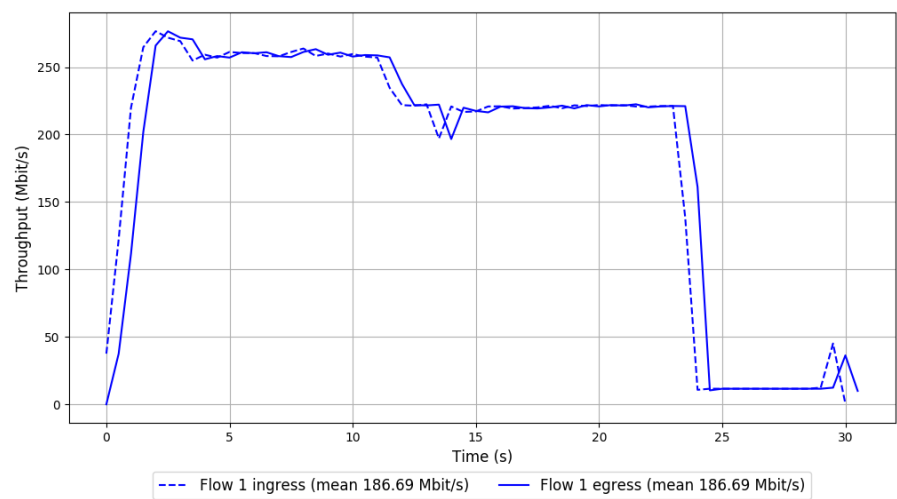


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-25 23:20:33
End at: 2018-05-25 23:21:03
Local clock offset: -0.106 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-26 02:21:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.69 Mbit/s
95th percentile per-packet one-way delay: 53.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.69 Mbit/s
95th percentile per-packet one-way delay: 53.354 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-25 23:41:05

End at: 2018-05-25 23:41:35

Local clock offset: 0.054 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.66 Mbit/s

95th percentile per-packet one-way delay: 52.972 ms

Loss rate: 0.01%

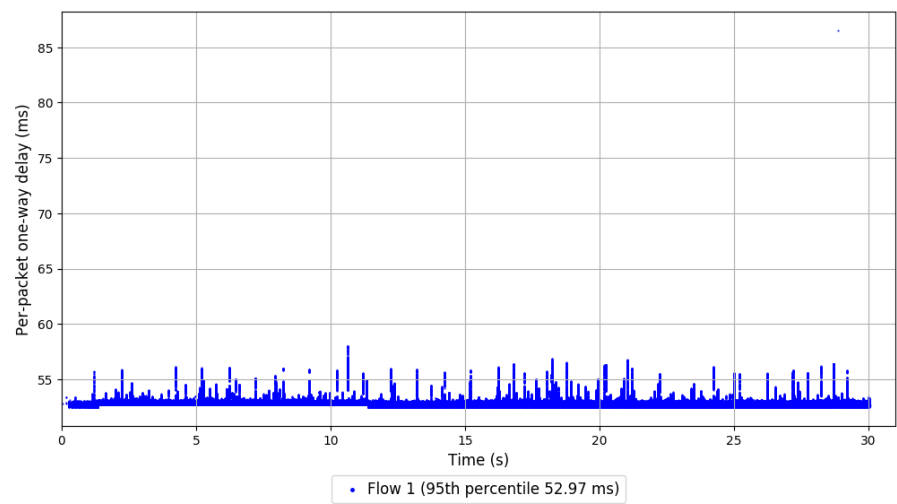
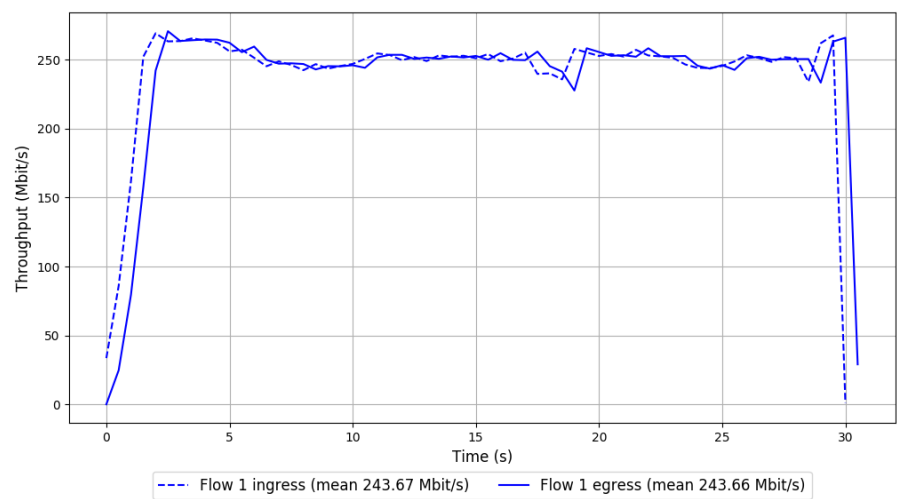
-- Flow 1:

Average throughput: 243.66 Mbit/s

95th percentile per-packet one-way delay: 52.972 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-26 00:01:57

End at: 2018-05-26 00:02:27

Local clock offset: 0.19 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-26 02:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.04 Mbit/s

95th percentile per-packet one-way delay: 53.370 ms

Loss rate: 0.00%

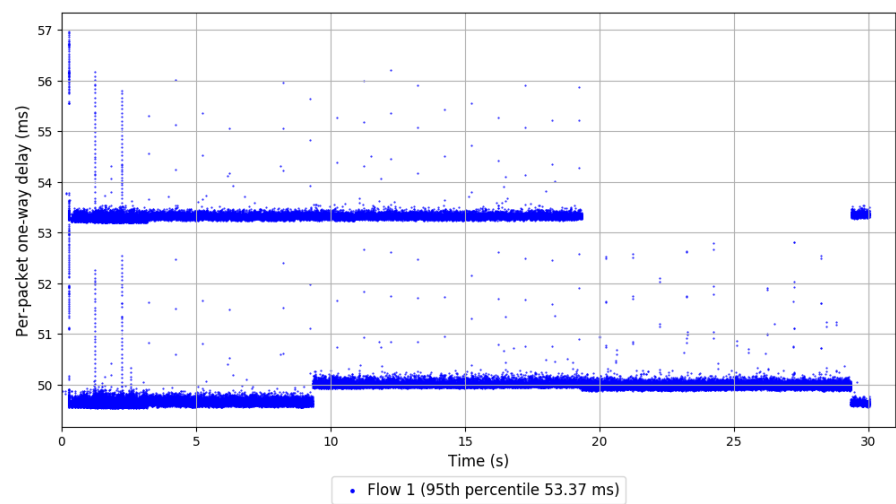
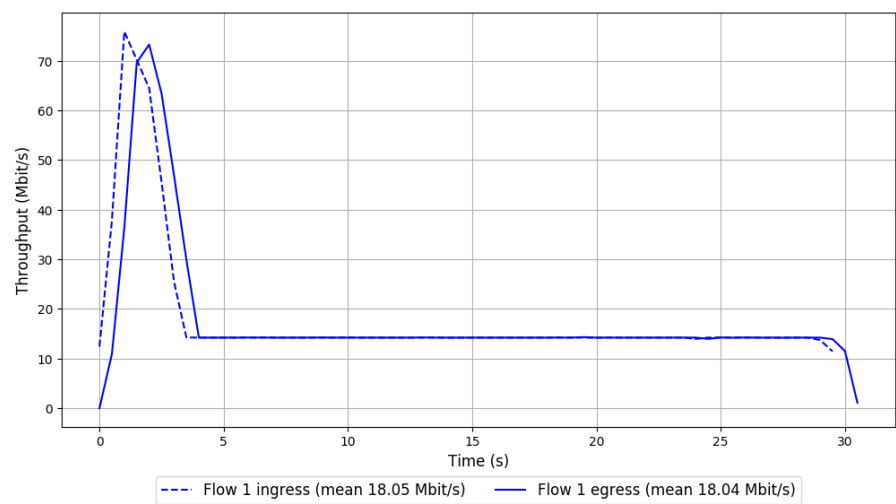
-- Flow 1:

Average throughput: 18.04 Mbit/s

95th percentile per-packet one-way delay: 53.370 ms

Loss rate: 0.00%

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

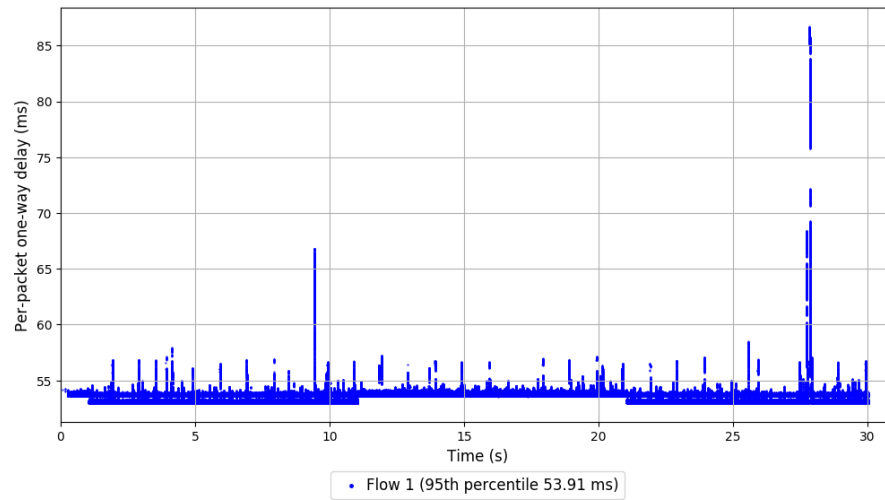
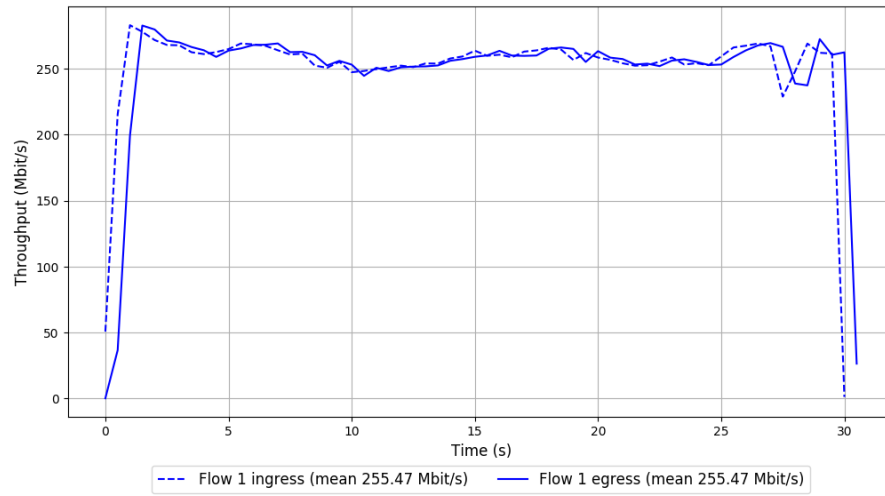


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-26 00:22:35
End at: 2018-05-26 00:23:05
Local clock offset: -0.201 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-26 02:21:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.47 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 255.47 Mbit/s
95th percentile per-packet one-way delay: 53.907 ms
Loss rate: 0.01%

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

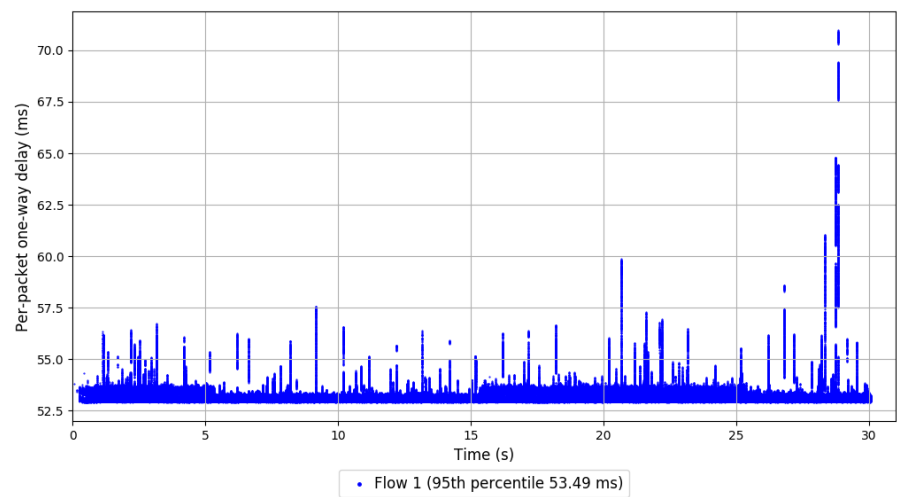
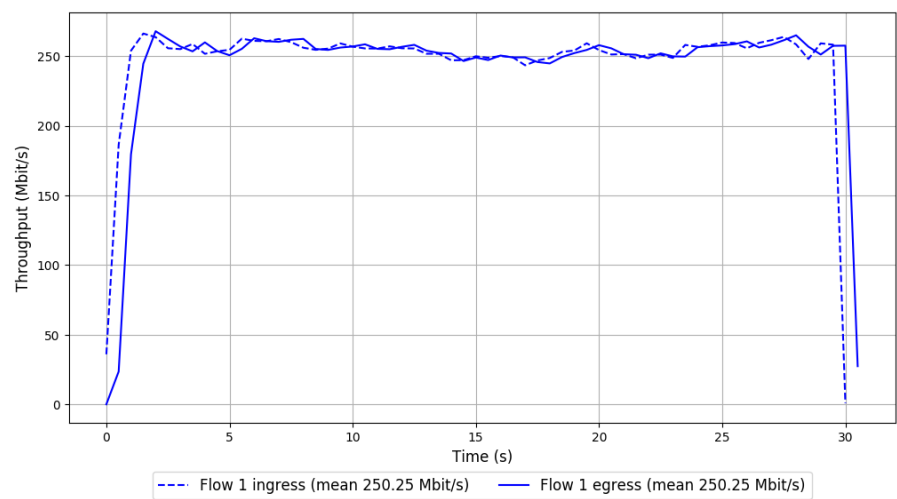


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-26 00:43:21
End at: 2018-05-26 00:43:51
Local clock offset: -0.063 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-05-26 02:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.25 Mbit/s
95th percentile per-packet one-way delay: 53.491 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 250.25 Mbit/s
95th percentile per-packet one-way delay: 53.491 ms
Loss rate: 0.01%

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

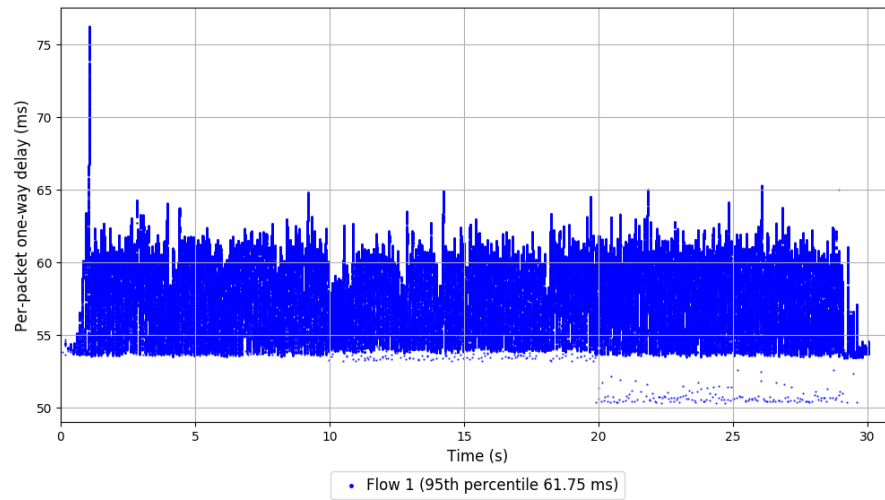
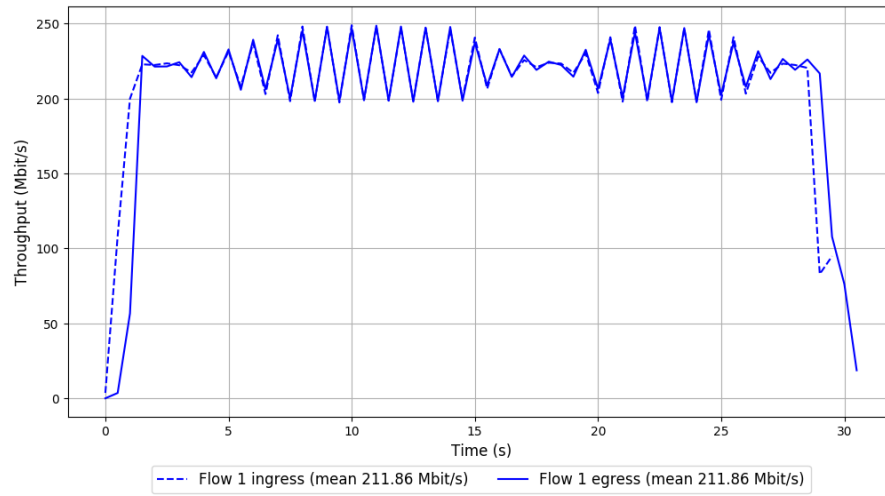


Run 1: Statistics of TCP Vegas

Start at: 2018-05-25 21:32:06
End at: 2018-05-25 21:32:36
Local clock offset: 0.039 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-05-26 02:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.86 Mbit/s
95th percentile per-packet one-way delay: 61.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.86 Mbit/s
95th percentile per-packet one-way delay: 61.752 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-25 21:52:27

End at: 2018-05-25 21:52:57

Local clock offset: -0.17 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-05-26 02:21:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.23 Mbit/s

95th percentile per-packet one-way delay: 55.149 ms

Loss rate: 0.02%

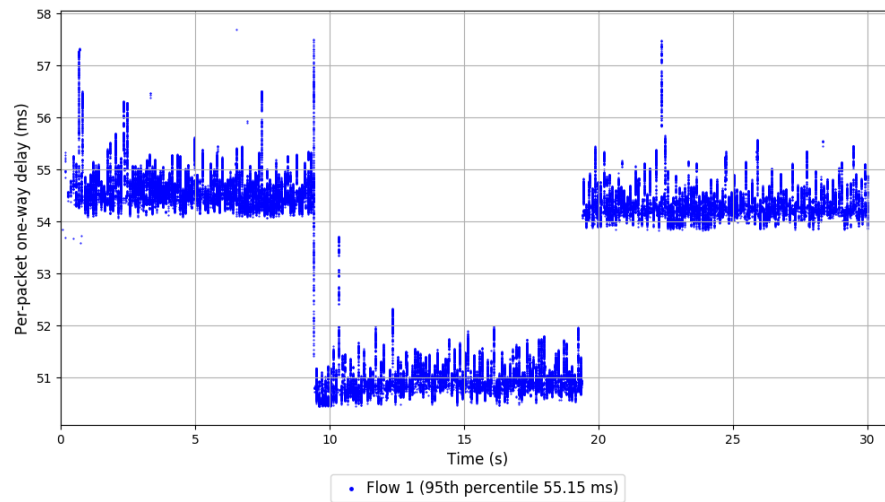
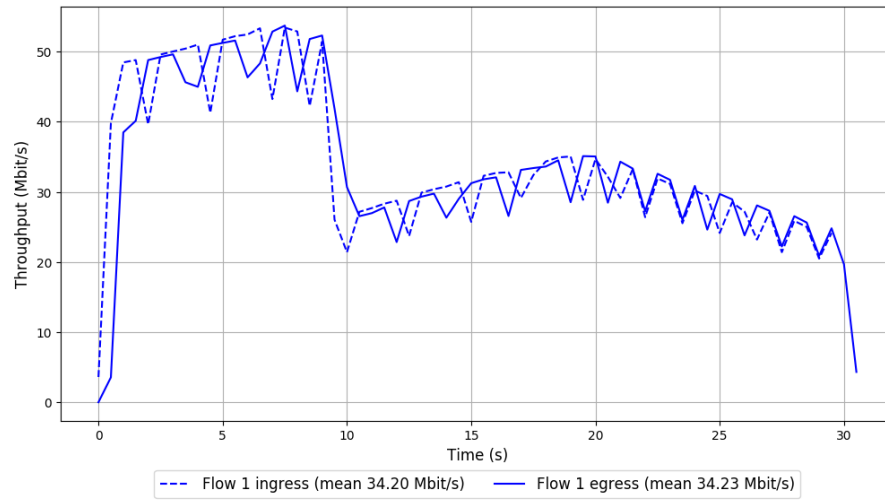
-- Flow 1:

Average throughput: 34.23 Mbit/s

95th percentile per-packet one-way delay: 55.149 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-25 22:12:41

End at: 2018-05-25 22:13:11

Local clock offset: 0.044 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-05-26 02:21:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.06 Mbit/s

95th percentile per-packet one-way delay: 51.850 ms

Loss rate: 0.00%

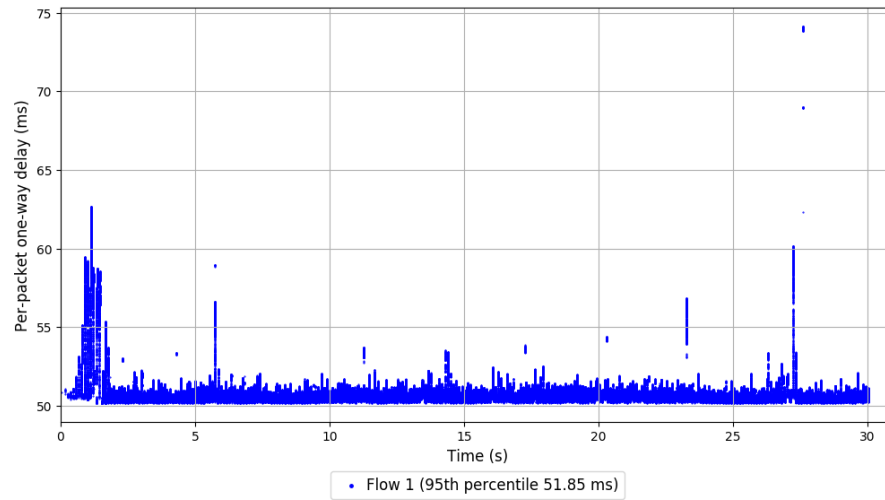
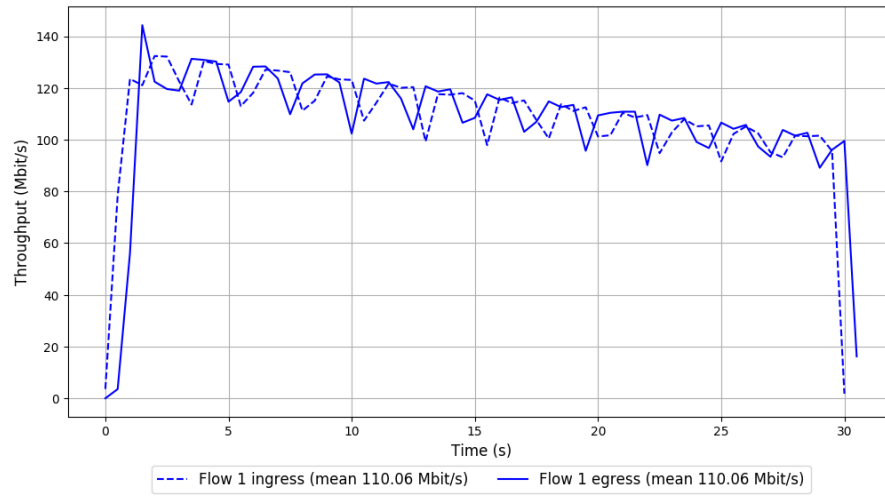
-- Flow 1:

Average throughput: 110.06 Mbit/s

95th percentile per-packet one-way delay: 51.850 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

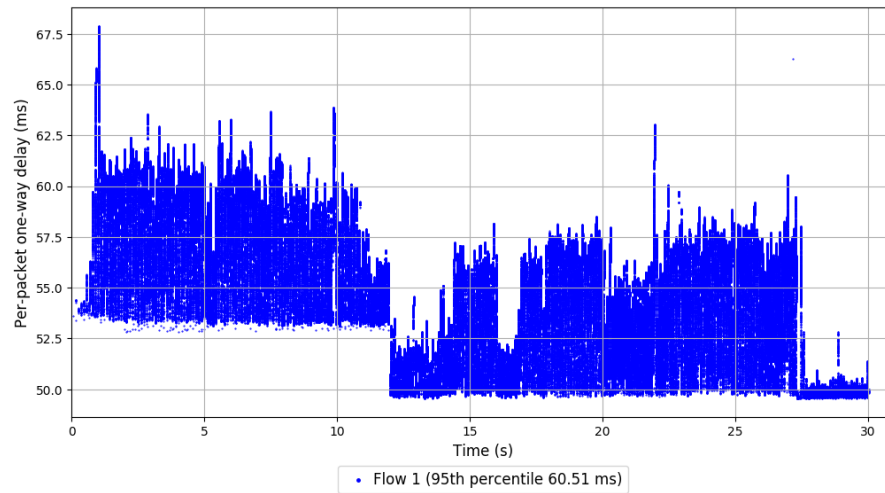
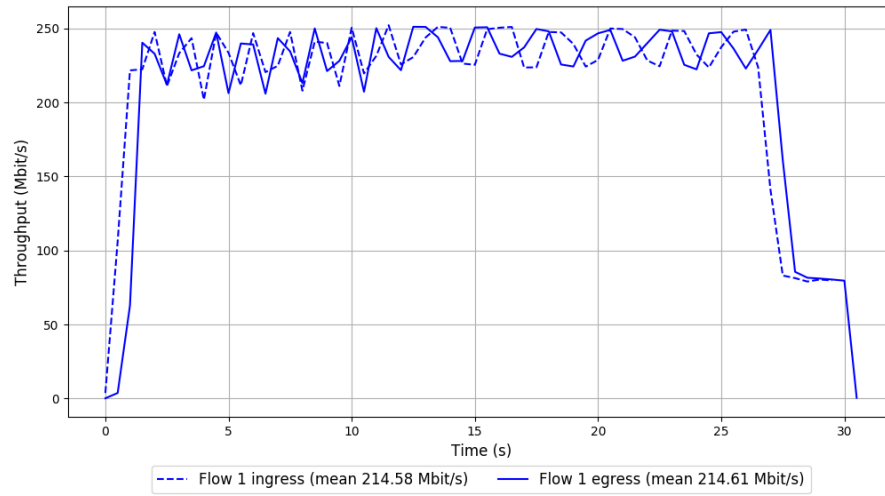


Run 4: Statistics of TCP Vegas

Start at: 2018-05-25 22:33:04
End at: 2018-05-25 22:33:34
Local clock offset: 0.238 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-26 02:23:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.61 Mbit/s
95th percentile per-packet one-way delay: 60.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.61 Mbit/s
95th percentile per-packet one-way delay: 60.507 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-25 22:53:21

End at: 2018-05-25 22:53:51

Local clock offset: 0.213 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-05-26 02:23:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.27 Mbit/s

95th percentile per-packet one-way delay: 60.950 ms

Loss rate: 0.08%

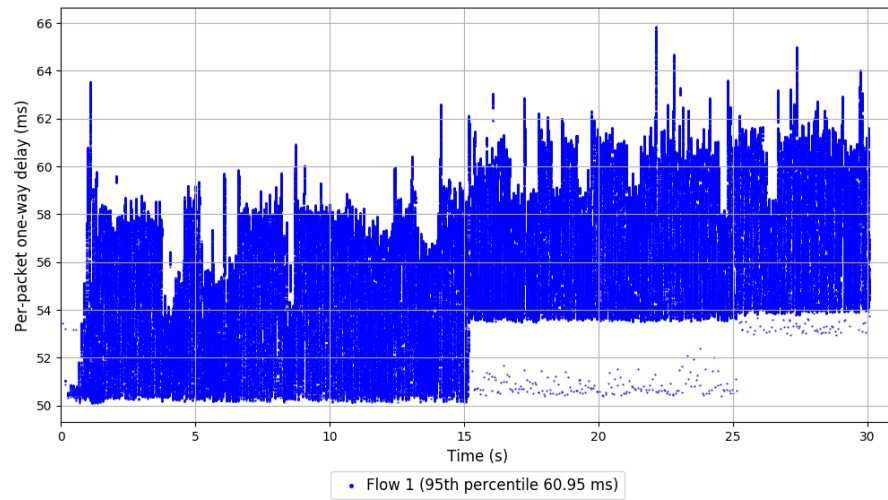
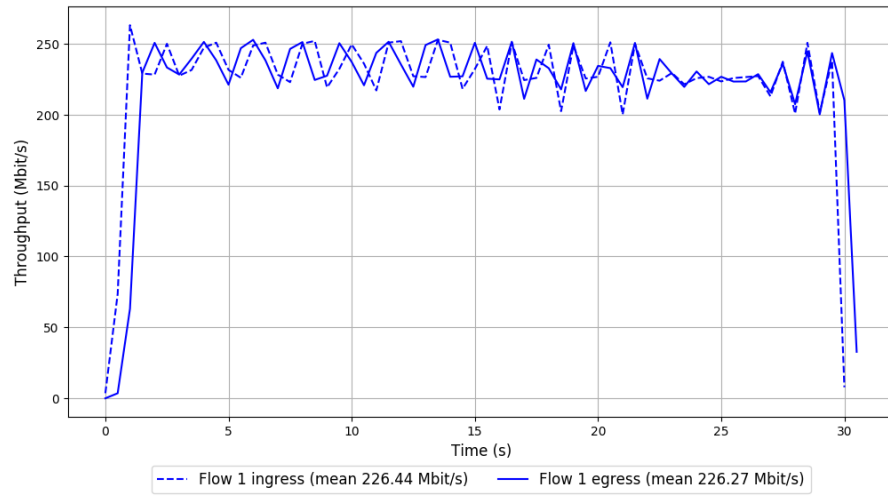
-- Flow 1:

Average throughput: 226.27 Mbit/s

95th percentile per-packet one-way delay: 60.950 ms

Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link

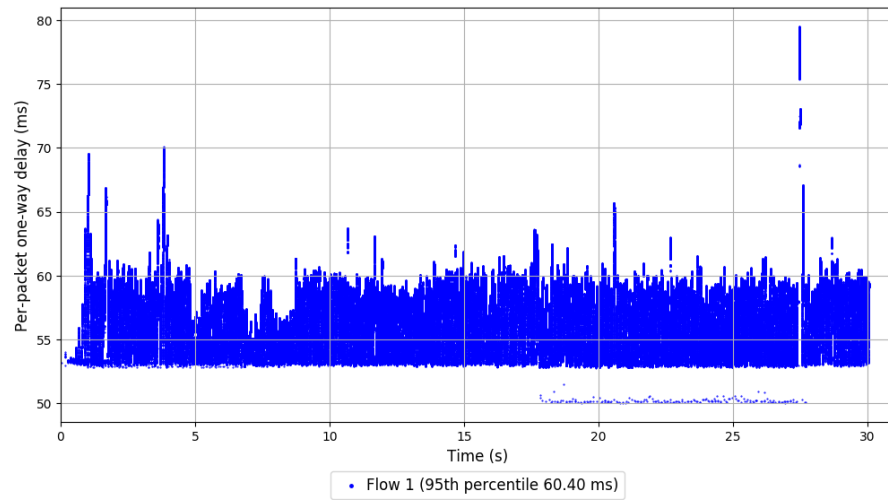
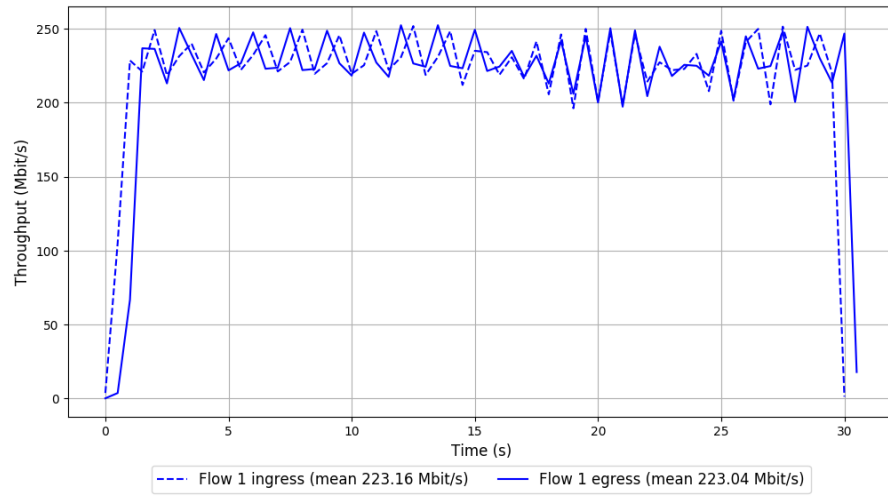


Run 6: Statistics of TCP Vegas

Start at: 2018-05-25 23:13:49
End at: 2018-05-25 23:14:19
Local clock offset: 0.325 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-26 02:24:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.04 Mbit/s
95th percentile per-packet one-way delay: 60.395 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 223.04 Mbit/s
95th percentile per-packet one-way delay: 60.395 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-25 23:34:15

End at: 2018-05-25 23:34:45

Local clock offset: 0.006 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-05-26 02:24:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 54.129 ms

Loss rate: 0.07%

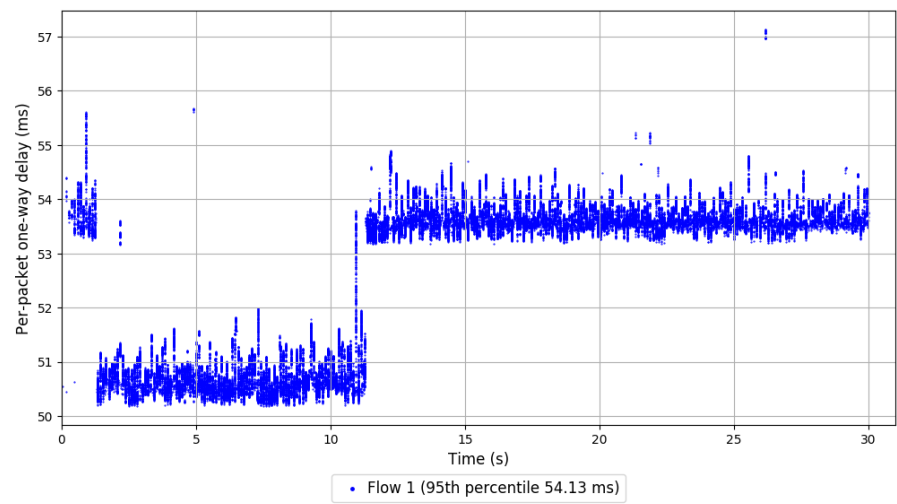
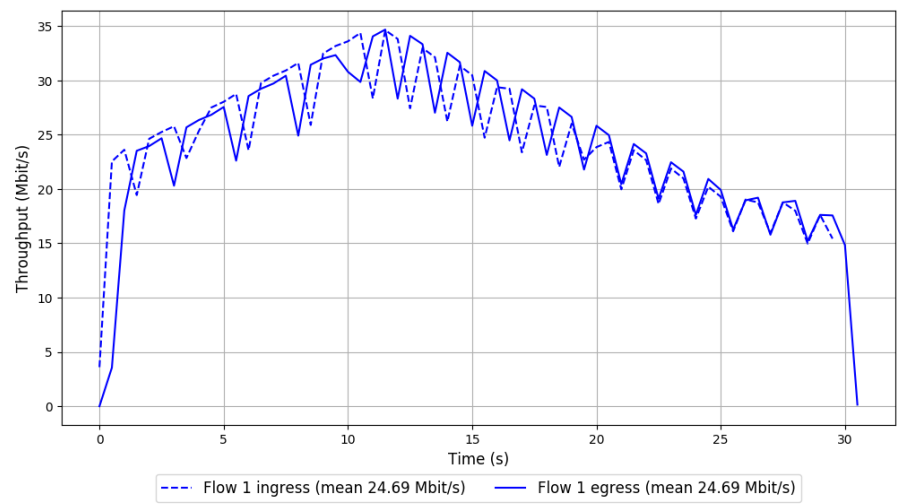
-- Flow 1:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 54.129 ms

Loss rate: 0.07%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-25 23:55:10

End at: 2018-05-25 23:55:40

Local clock offset: 0.472 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-05-26 02:24:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 53.531 ms

Loss rate: 0.04%

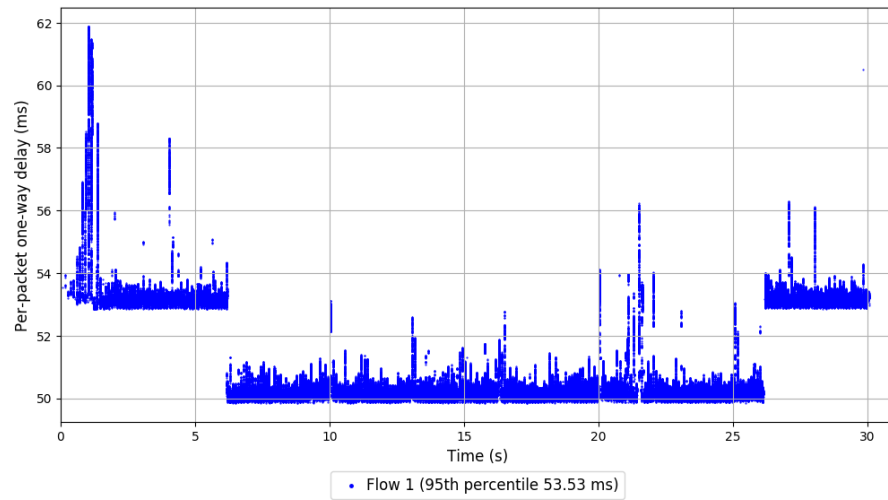
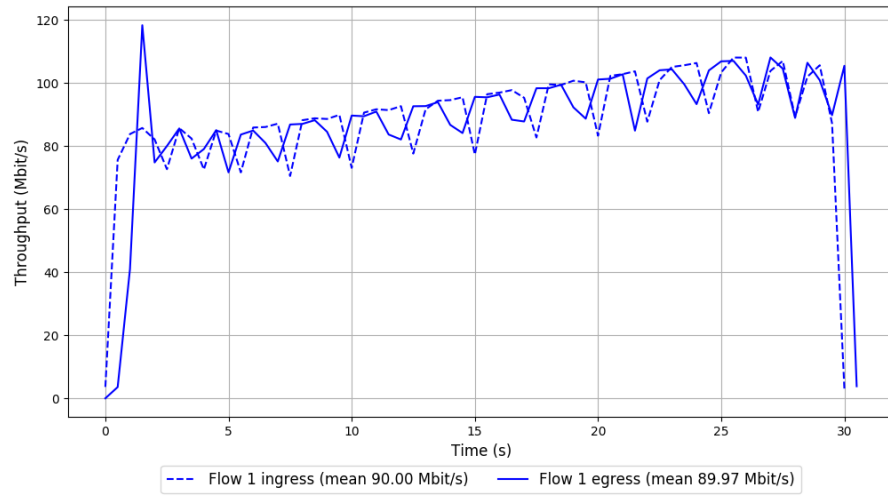
-- Flow 1:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 53.531 ms

Loss rate: 0.04%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-26 00:15:37

End at: 2018-05-26 00:16:07

Local clock offset: -0.222 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-05-26 02:24:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.98 Mbit/s

95th percentile per-packet one-way delay: 54.482 ms

Loss rate: 0.02%

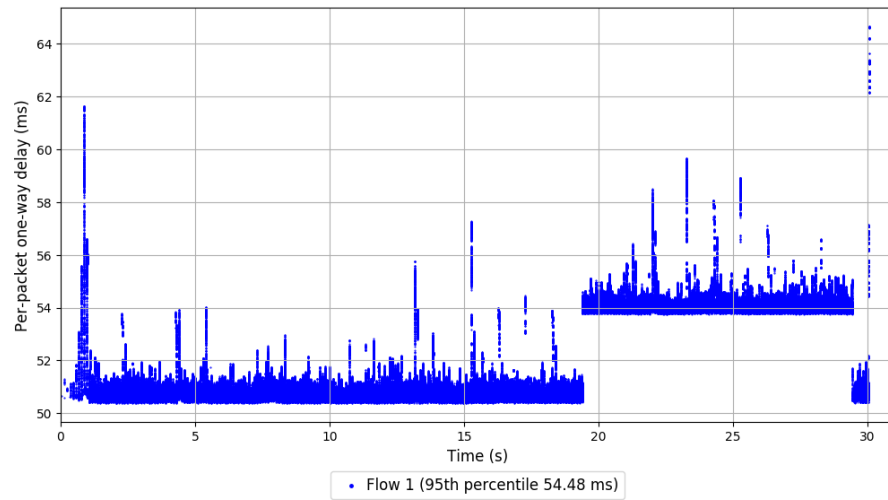
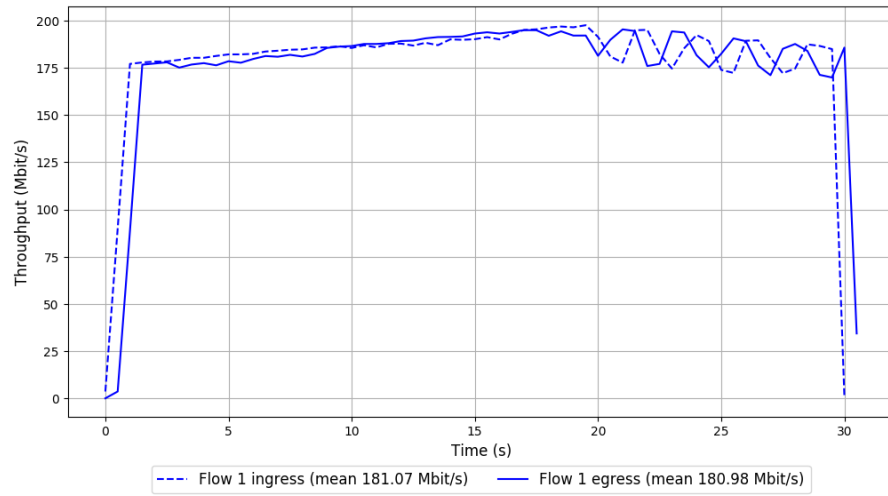
-- Flow 1:

Average throughput: 180.98 Mbit/s

95th percentile per-packet one-way delay: 54.482 ms

Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-26 00:36:47

End at: 2018-05-26 00:37:17

Local clock offset: -0.371 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2018-05-26 02:24:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 54.701 ms

Loss rate: 0.00%

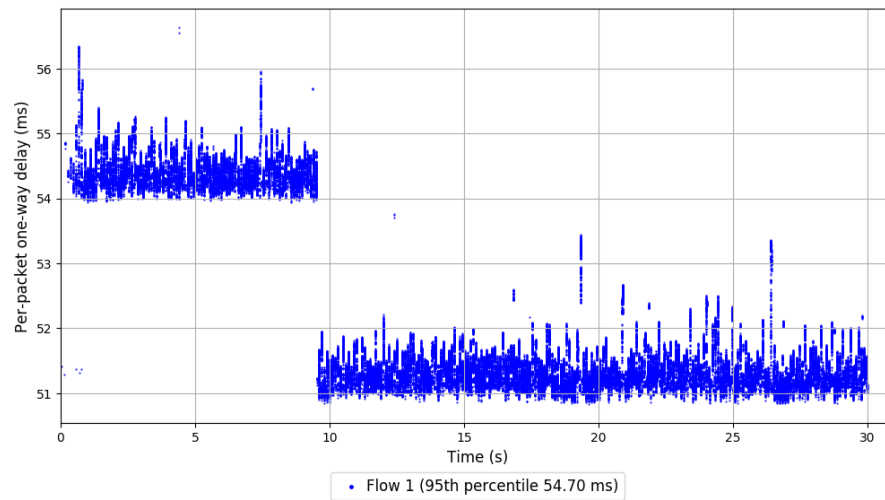
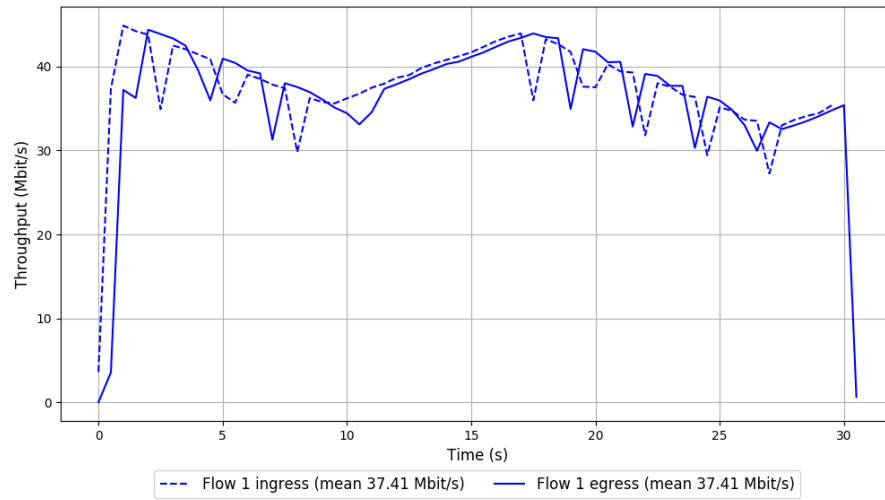
-- Flow 1:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 54.701 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

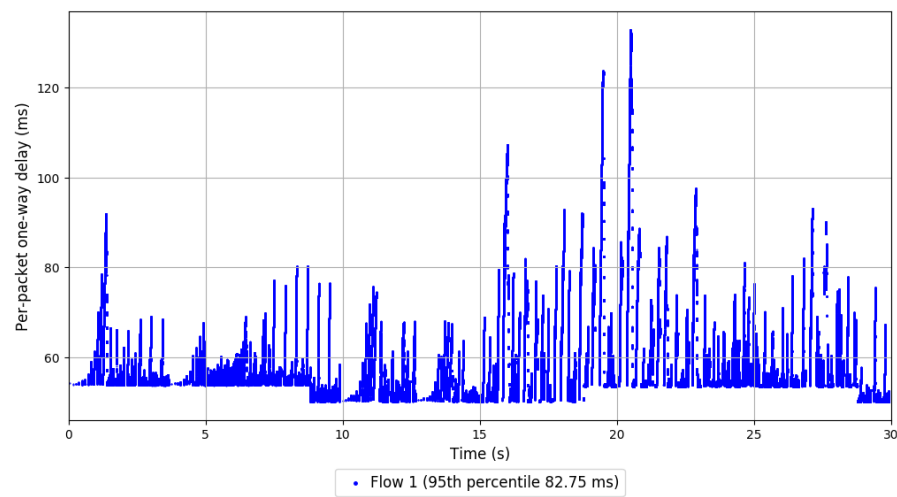
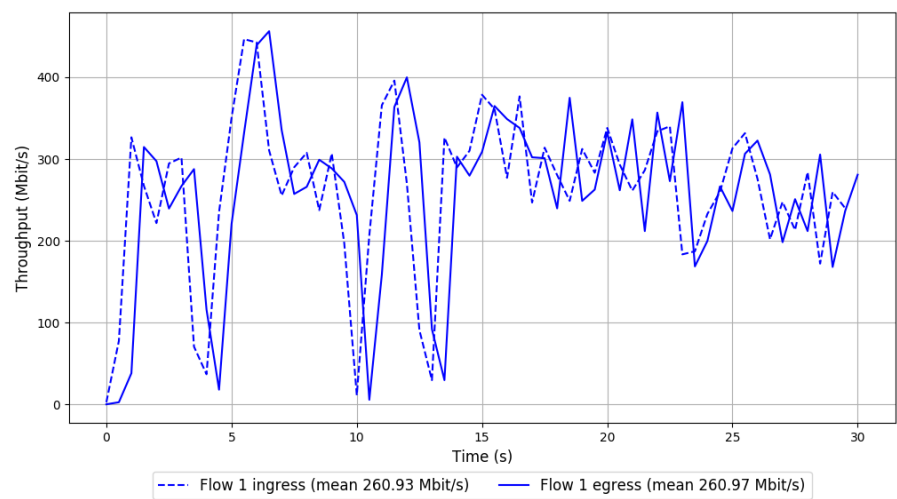


Run 1: Statistics of Verus

Start at: 2018-05-25 21:48:07
End at: 2018-05-25 21:48:37
Local clock offset: -0.131 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-26 02:26:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.97 Mbit/s
95th percentile per-packet one-way delay: 82.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 260.97 Mbit/s
95th percentile per-packet one-way delay: 82.755 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

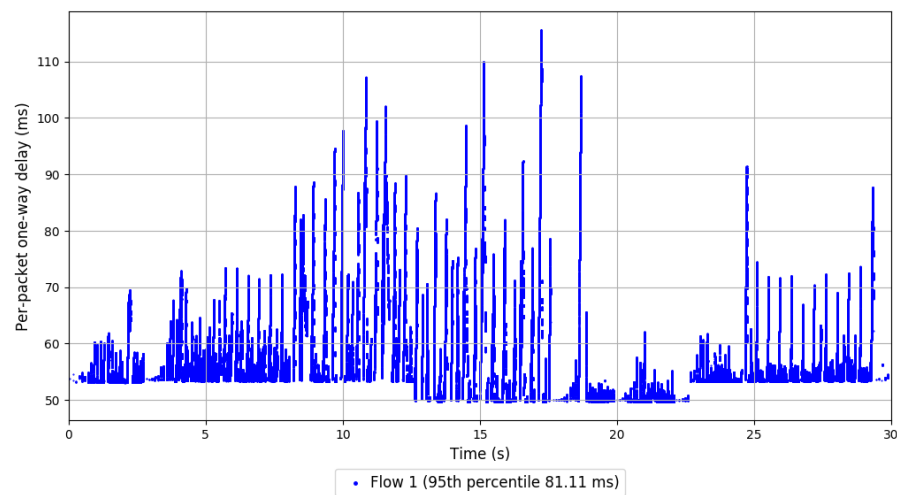
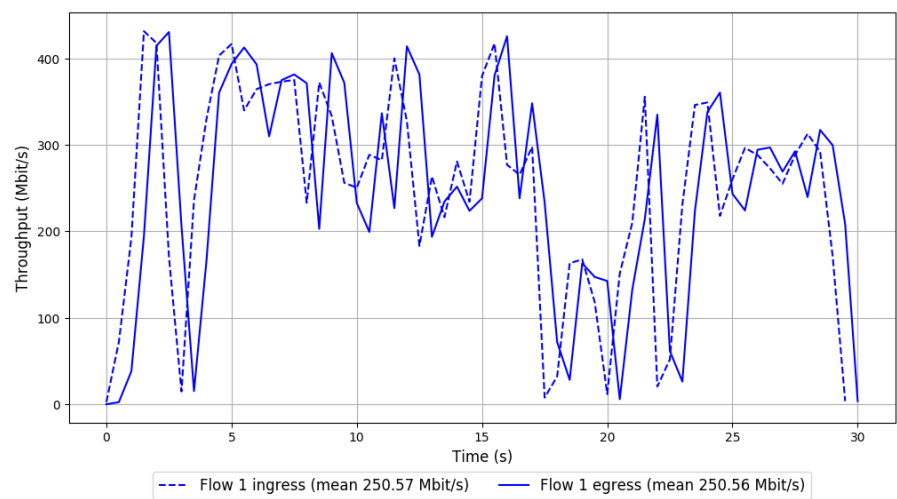


Run 2: Statistics of Verus

Start at: 2018-05-25 22:08:23
End at: 2018-05-25 22:08:53
Local clock offset: 0.186 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-05-26 02:26:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.56 Mbit/s
95th percentile per-packet one-way delay: 81.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.56 Mbit/s
95th percentile per-packet one-way delay: 81.105 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-25 22:28:43

End at: 2018-05-25 22:29:13

Local clock offset: 0.014 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-05-26 02:27:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.41 Mbit/s

95th percentile per-packet one-way delay: 78.869 ms

Loss rate: 0.00%

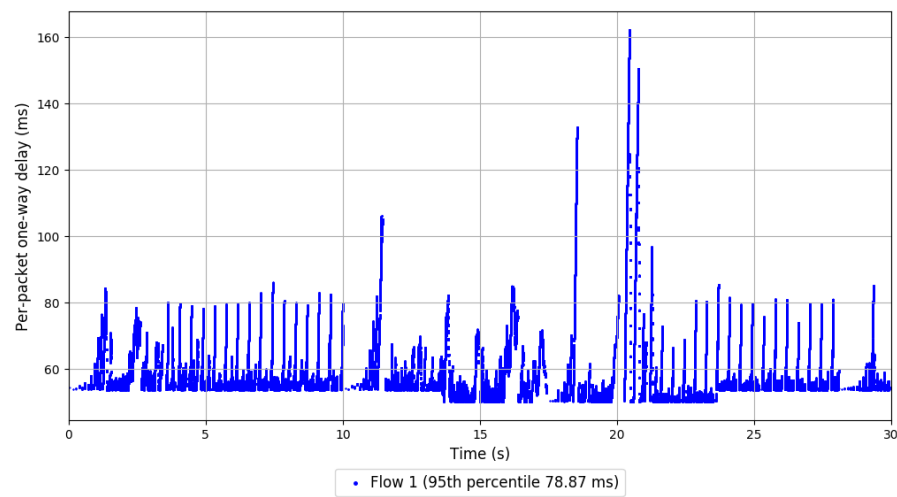
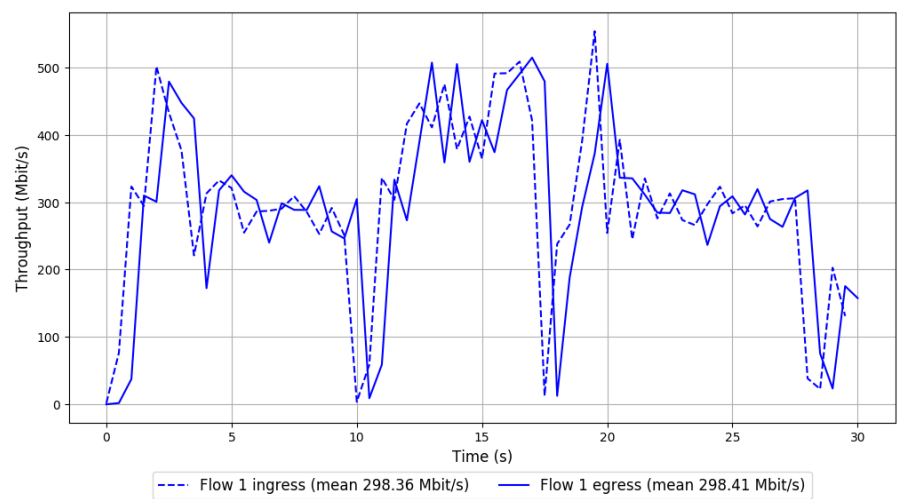
-- Flow 1:

Average throughput: 298.41 Mbit/s

95th percentile per-packet one-way delay: 78.869 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-25 22:49:00

End at: 2018-05-25 22:49:30

Local clock offset: 0.13 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-05-26 02:27:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.25 Mbit/s

95th percentile per-packet one-way delay: 92.485 ms

Loss rate: 0.01%

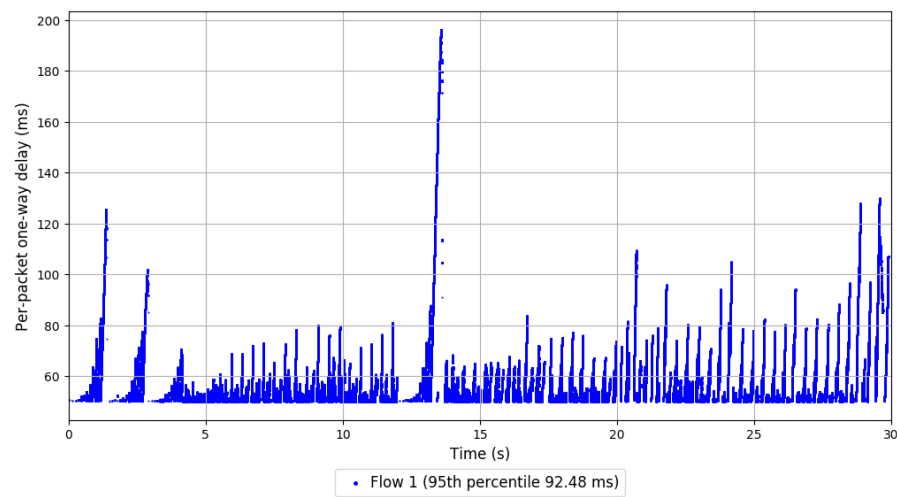
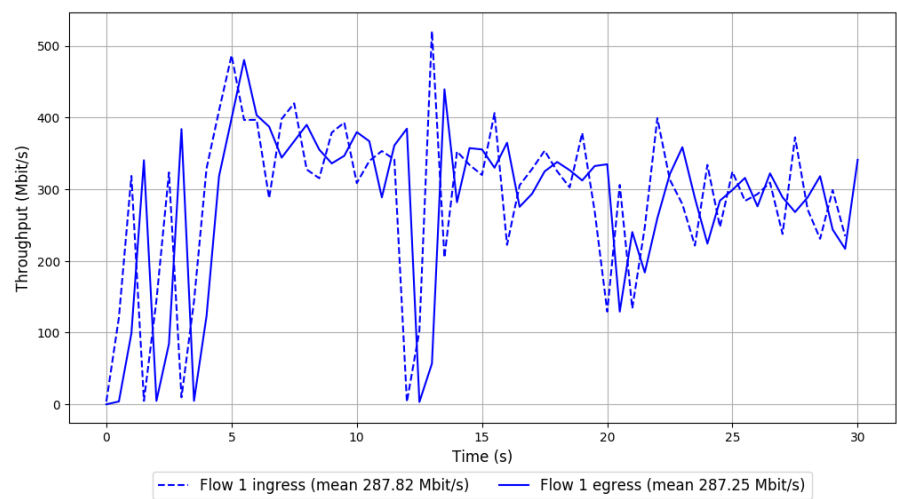
-- Flow 1:

Average throughput: 287.25 Mbit/s

95th percentile per-packet one-way delay: 92.485 ms

Loss rate: 0.01%

Run 4: Report of Verus — Data Link

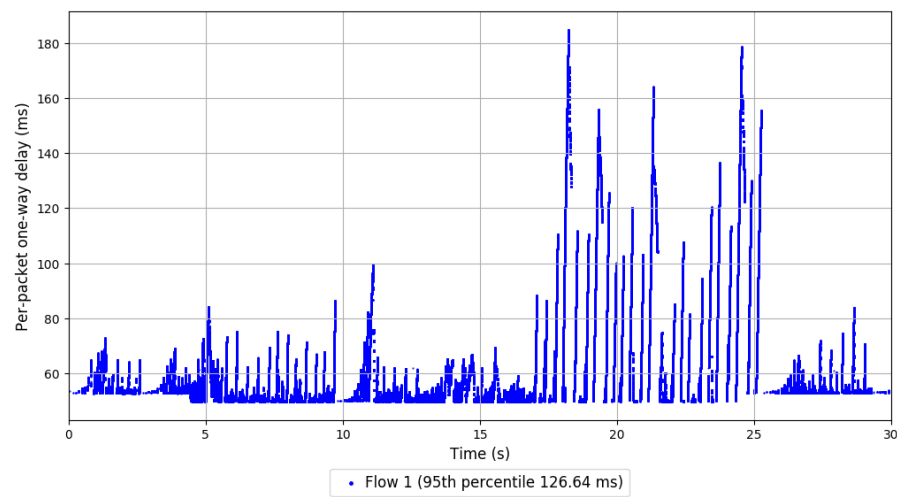
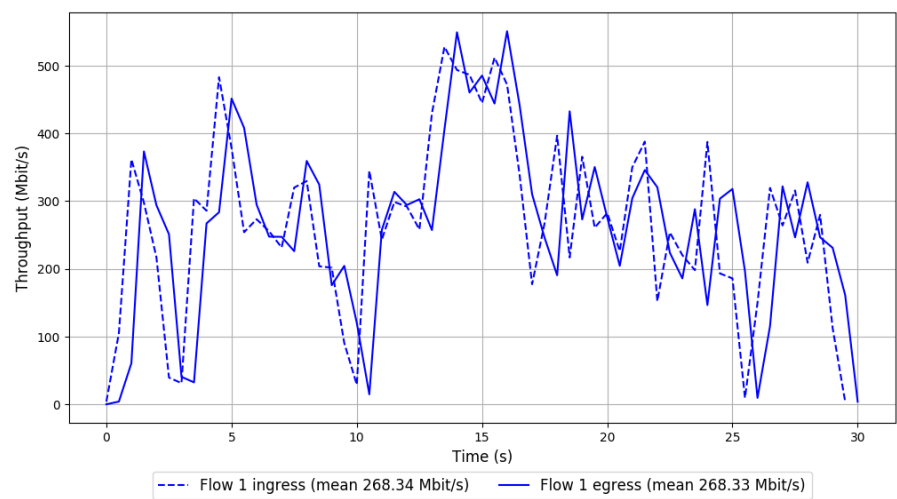


Run 5: Statistics of Verus

Start at: 2018-05-25 23:09:32
End at: 2018-05-25 23:10:02
Local clock offset: 0.261 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-26 02:27:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.33 Mbit/s
95th percentile per-packet one-way delay: 126.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.33 Mbit/s
95th percentile per-packet one-way delay: 126.640 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-25 23:29:55

End at: 2018-05-25 23:30:25

Local clock offset: 0.174 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-05-26 02:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.45 Mbit/s

95th percentile per-packet one-way delay: 190.295 ms

Loss rate: 0.34%

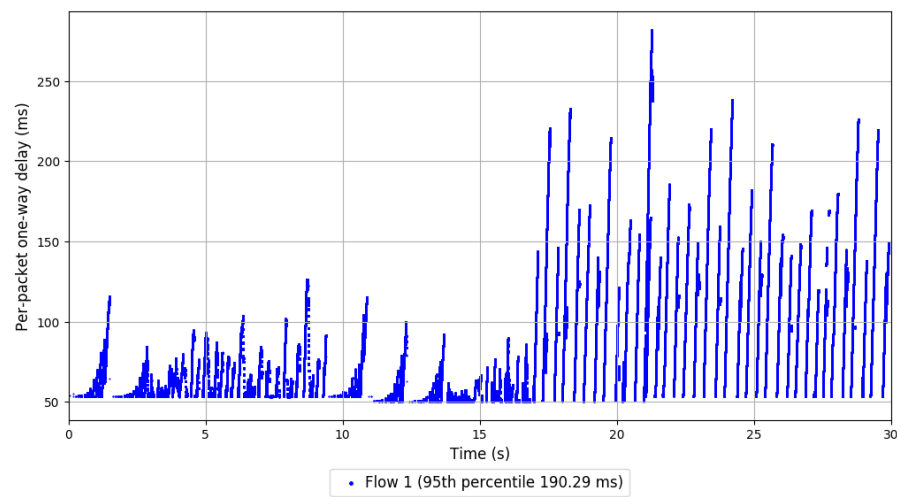
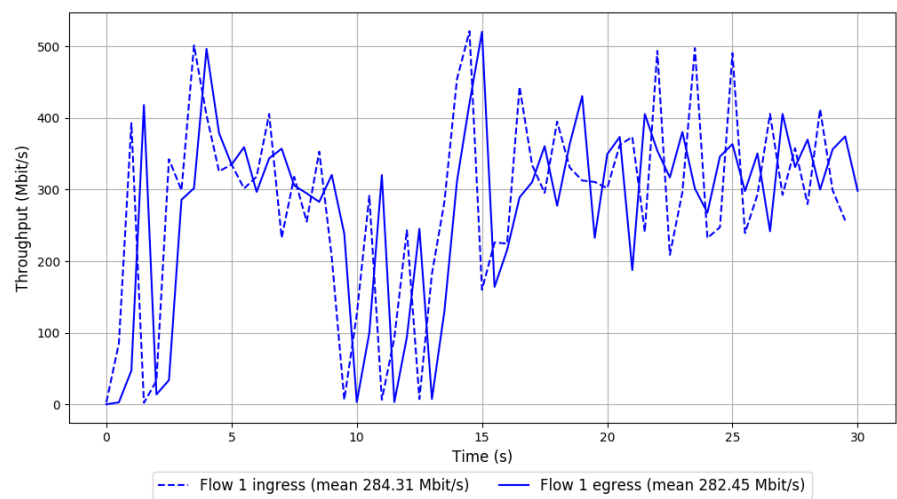
-- Flow 1:

Average throughput: 282.45 Mbit/s

95th percentile per-packet one-way delay: 190.295 ms

Loss rate: 0.34%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-25 23:50:53

End at: 2018-05-25 23:51:23

Local clock offset: 0.036 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-05-26 02:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.85 Mbit/s

95th percentile per-packet one-way delay: 73.218 ms

Loss rate: 0.01%

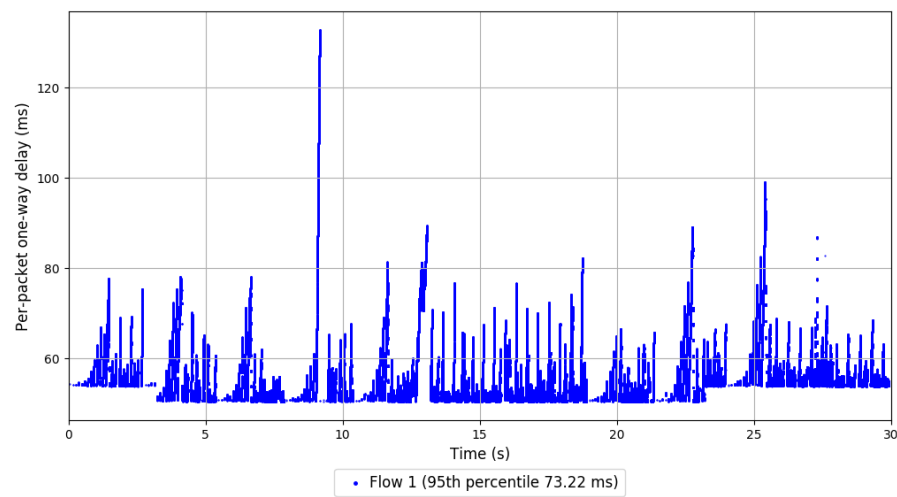
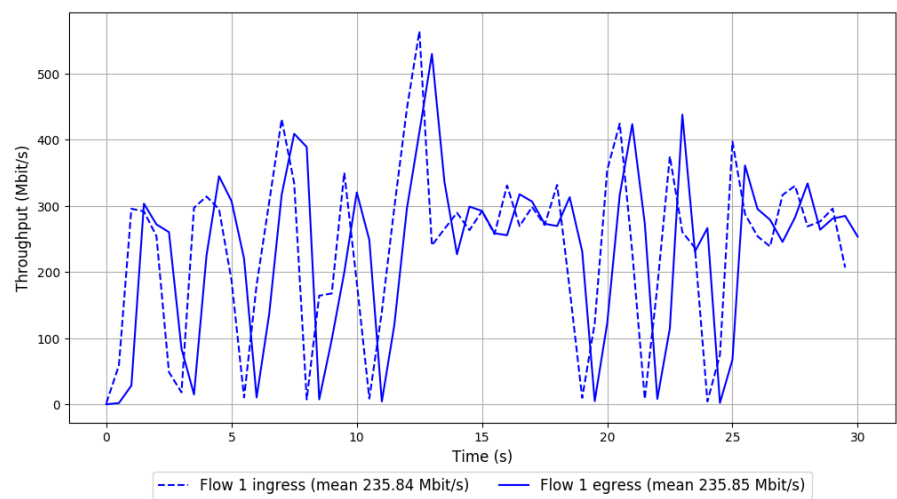
-- Flow 1:

Average throughput: 235.85 Mbit/s

95th percentile per-packet one-way delay: 73.218 ms

Loss rate: 0.01%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-26 00:11:16

End at: 2018-05-26 00:11:46

Local clock offset: 0.165 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-05-26 02:30:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.51 Mbit/s

95th percentile per-packet one-way delay: 163.834 ms

Loss rate: 0.40%

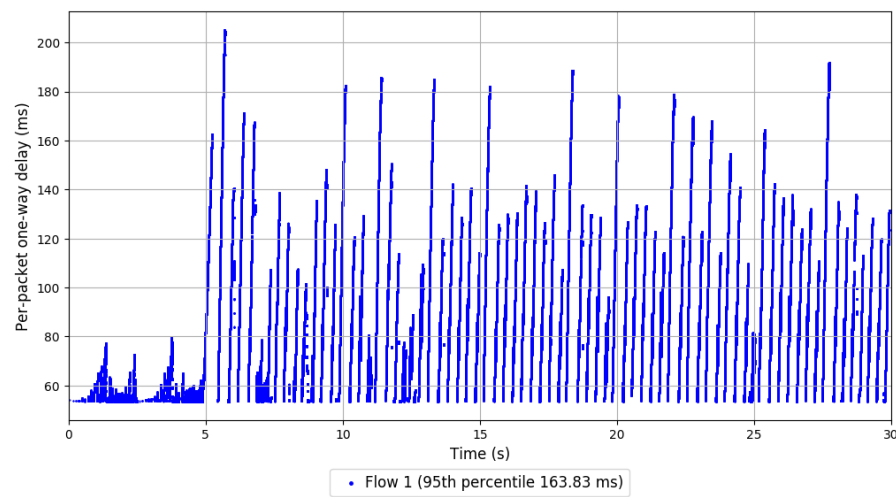
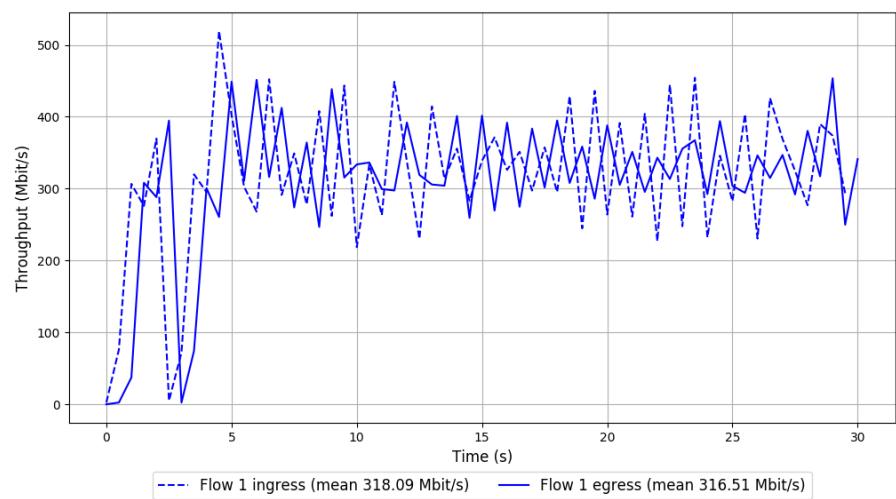
-- Flow 1:

Average throughput: 316.51 Mbit/s

95th percentile per-packet one-way delay: 163.834 ms

Loss rate: 0.40%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-26 00:32:25

End at: 2018-05-26 00:32:55

Local clock offset: -0.239 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-05-26 02:30:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.24 Mbit/s

95th percentile per-packet one-way delay: 141.883 ms

Loss rate: 0.48%

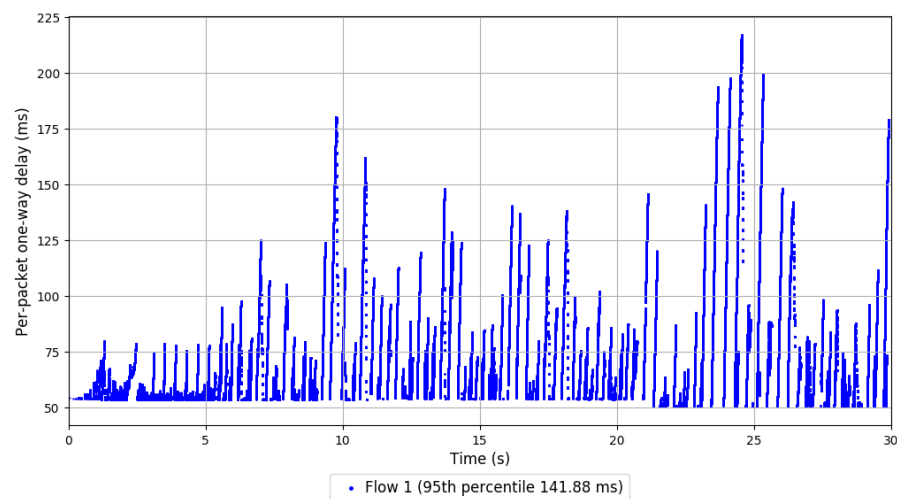
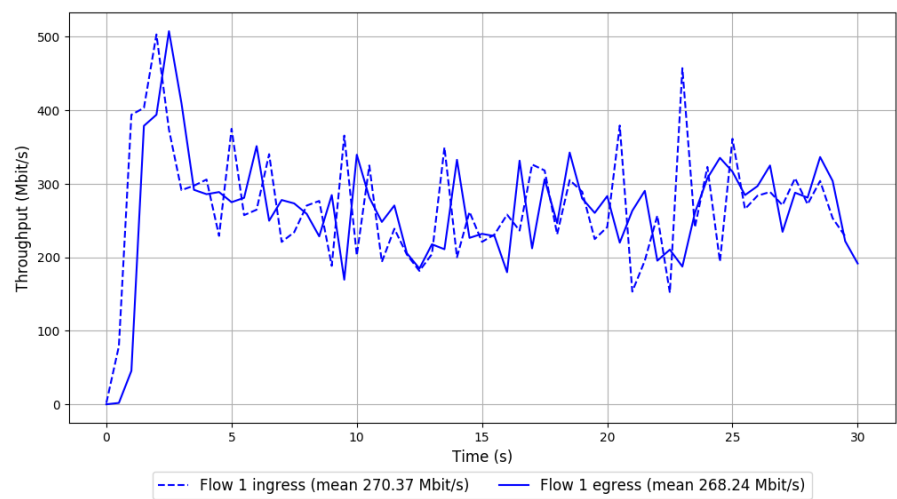
-- Flow 1:

Average throughput: 268.24 Mbit/s

95th percentile per-packet one-way delay: 141.883 ms

Loss rate: 0.48%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-26 00:53:12

End at: 2018-05-26 00:53:42

Local clock offset: -0.075 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-26 02:30:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.60 Mbit/s

95th percentile per-packet one-way delay: 161.761 ms

Loss rate: 0.43%

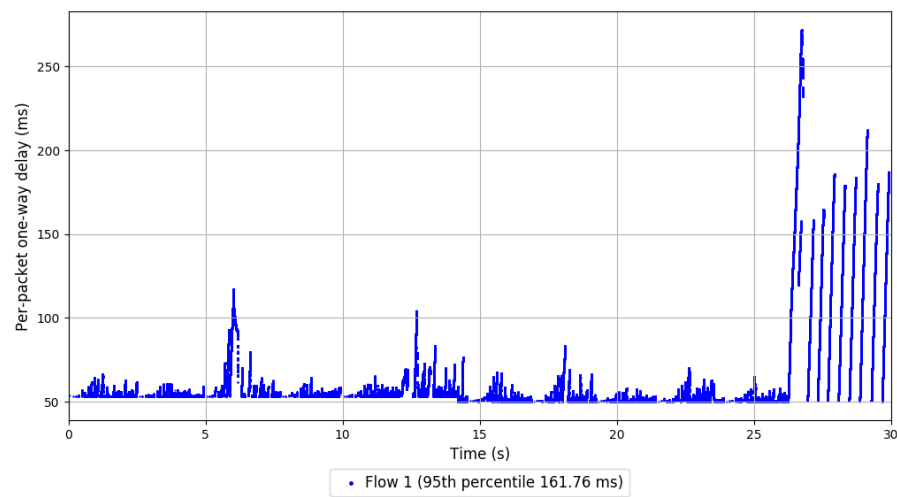
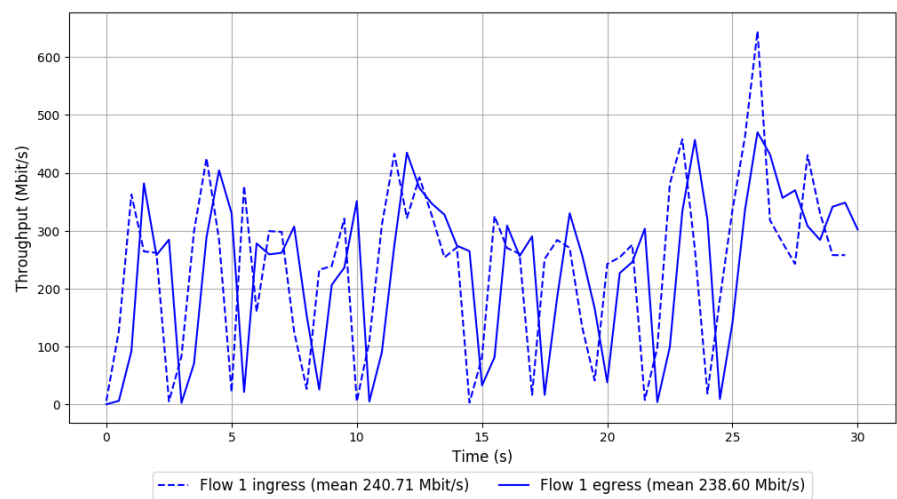
-- Flow 1:

Average throughput: 238.60 Mbit/s

95th percentile per-packet one-way delay: 161.761 ms

Loss rate: 0.43%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-25 21:50:56

End at: 2018-05-25 21:51:26

Local clock offset: 0.057 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-05-26 02:34:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.85 Mbit/s

95th percentile per-packet one-way delay: 51.420 ms

Loss rate: 0.00%

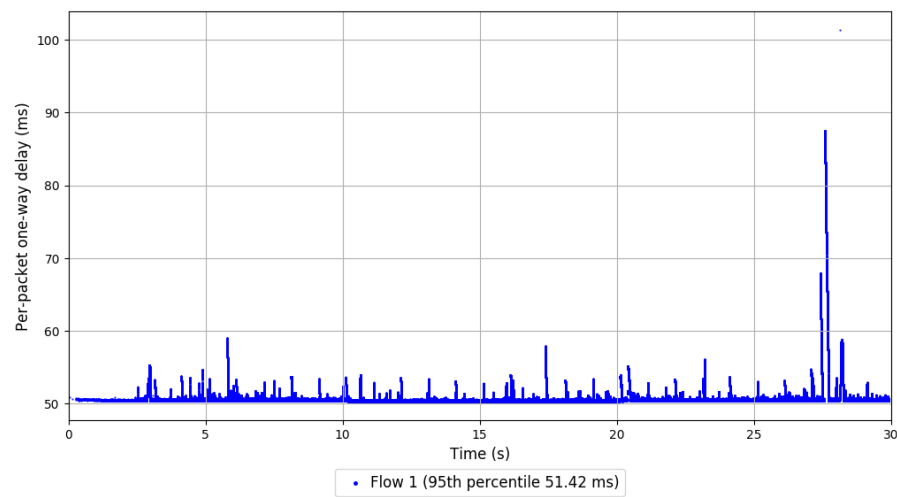
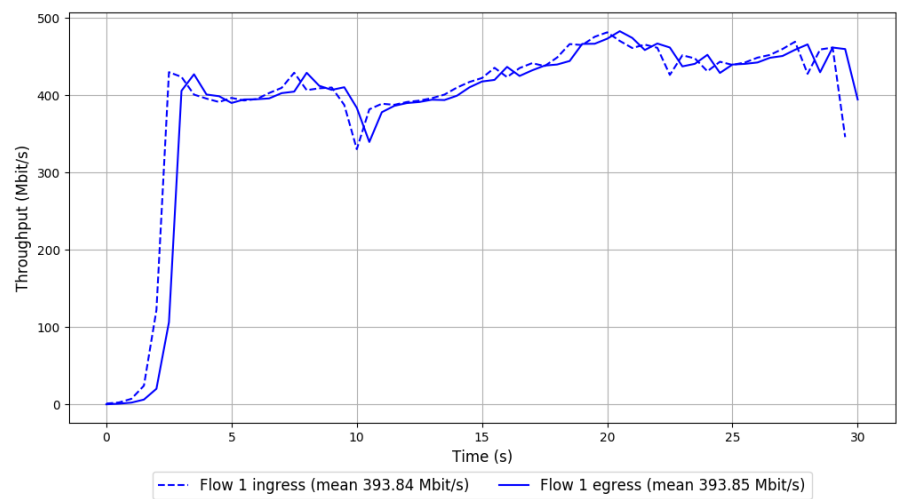
-- Flow 1:

Average throughput: 393.85 Mbit/s

95th percentile per-packet one-way delay: 51.420 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-25 22:11:09

End at: 2018-05-25 22:11:39

Local clock offset: -0.19 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-05-26 02:34:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.67 Mbit/s

95th percentile per-packet one-way delay: 54.272 ms

Loss rate: 0.00%

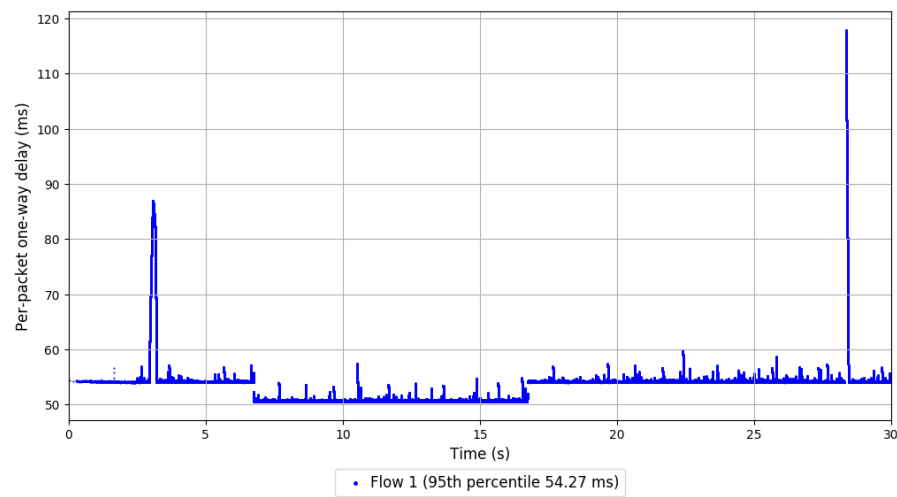
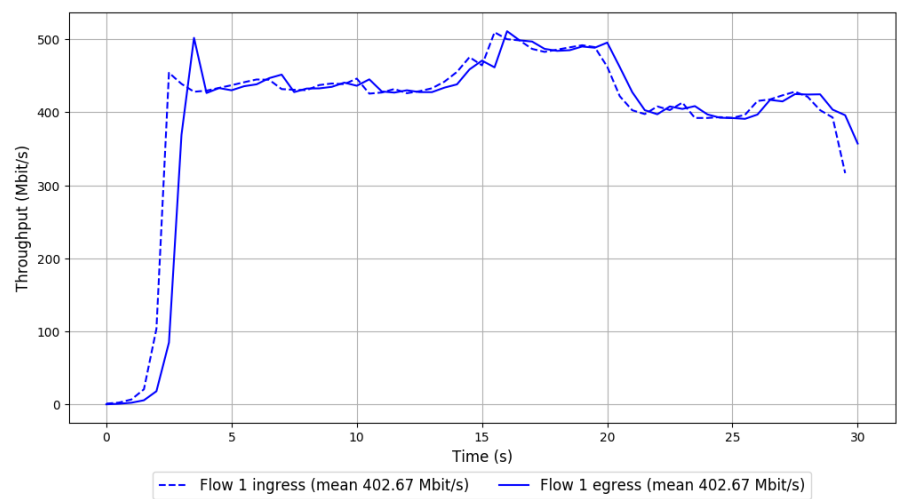
-- Flow 1:

Average throughput: 402.67 Mbit/s

95th percentile per-packet one-way delay: 54.272 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-25 22:31:32

End at: 2018-05-25 22:32:02

Local clock offset: 0.025 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-05-26 02:35:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.27 Mbit/s

95th percentile per-packet one-way delay: 56.085 ms

Loss rate: 0.00%

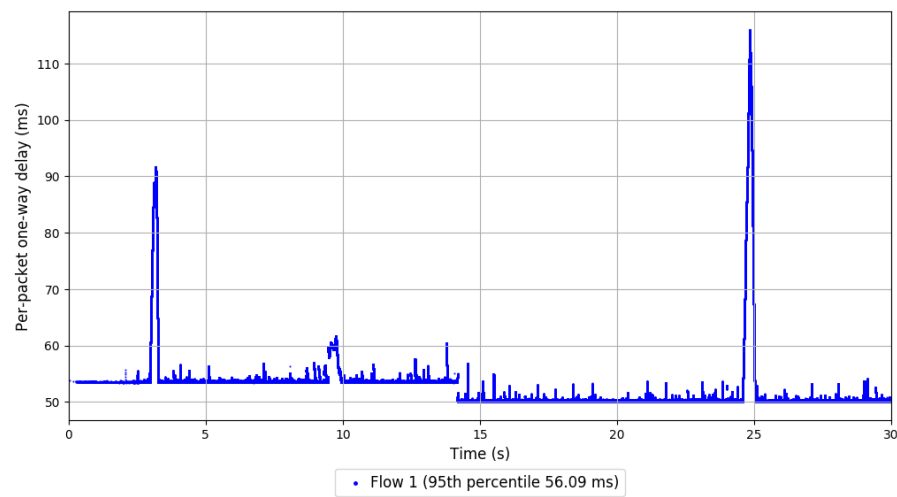
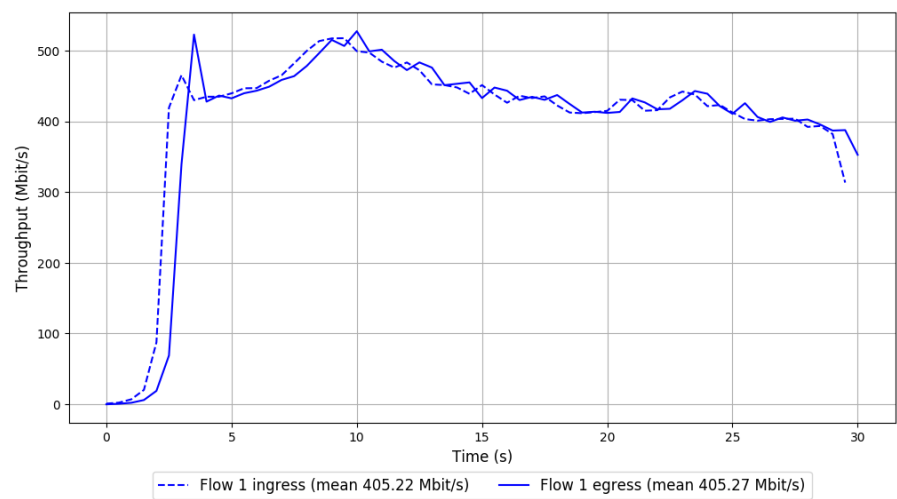
-- Flow 1:

Average throughput: 405.27 Mbit/s

95th percentile per-packet one-way delay: 56.085 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-25 22:51:50

End at: 2018-05-25 22:52:20

Local clock offset: 0.111 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-05-26 02:35:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.93 Mbit/s

95th percentile per-packet one-way delay: 54.740 ms

Loss rate: 0.00%

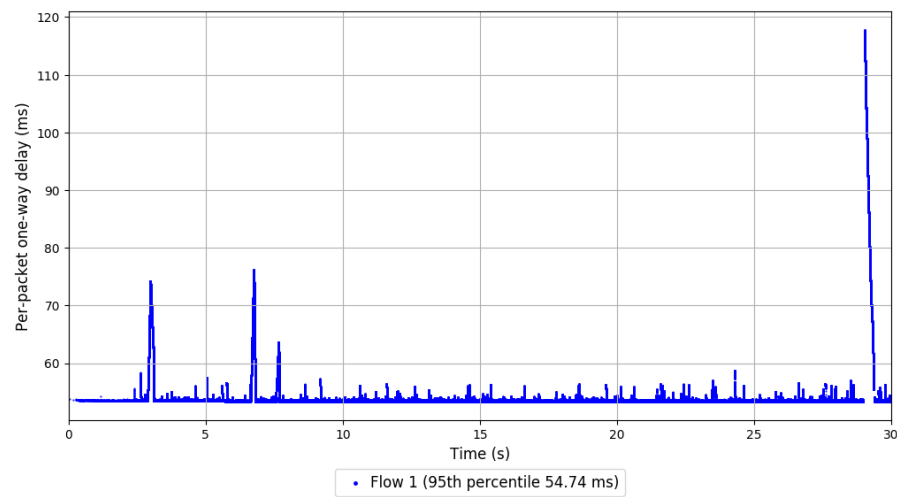
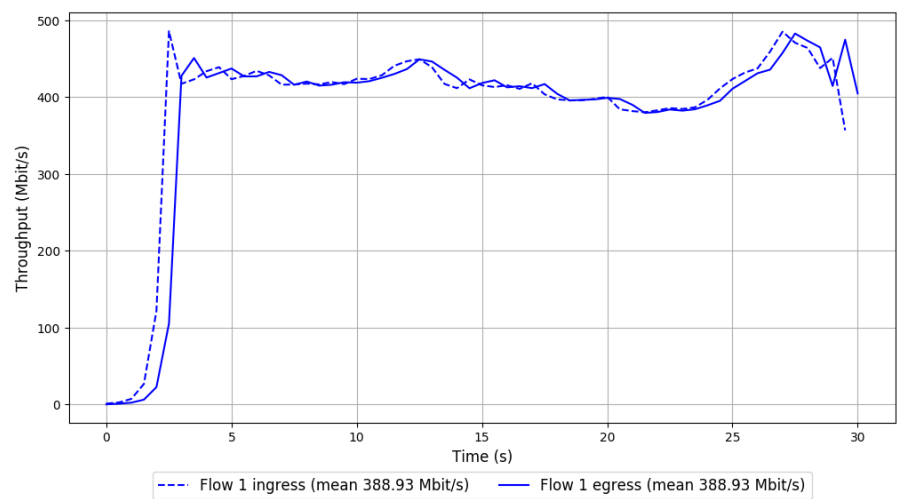
-- Flow 1:

Average throughput: 388.93 Mbit/s

95th percentile per-packet one-way delay: 54.740 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-25 23:12:20

End at: 2018-05-25 23:12:50

Local clock offset: -0.063 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-05-26 02:35:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.15 Mbit/s

95th percentile per-packet one-way delay: 53.867 ms

Loss rate: 0.01%

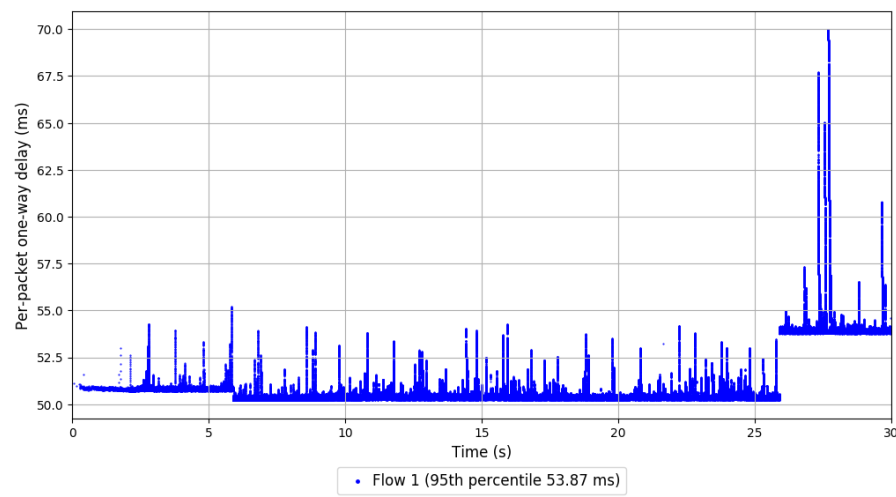
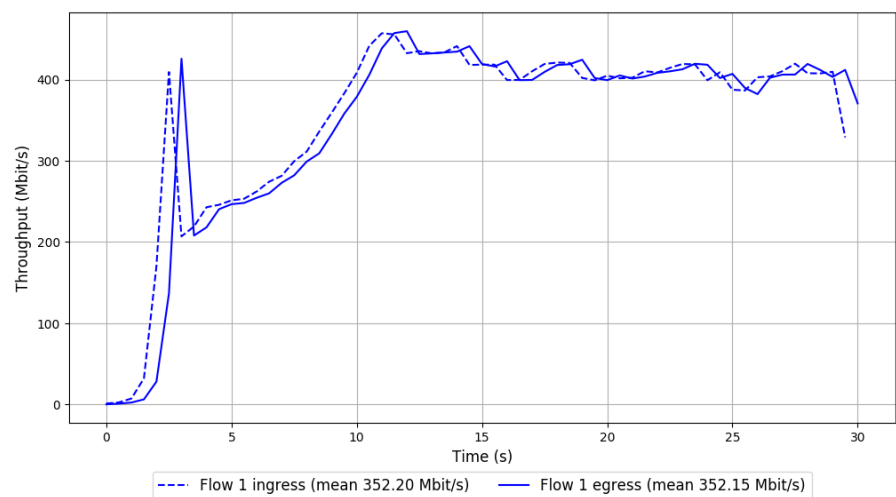
-- Flow 1:

Average throughput: 352.15 Mbit/s

95th percentile per-packet one-way delay: 53.867 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-25 23:32:44

End at: 2018-05-25 23:33:14

Local clock offset: -0.197 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-05-26 02:36:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.32 Mbit/s

95th percentile per-packet one-way delay: 55.186 ms

Loss rate: 0.00%

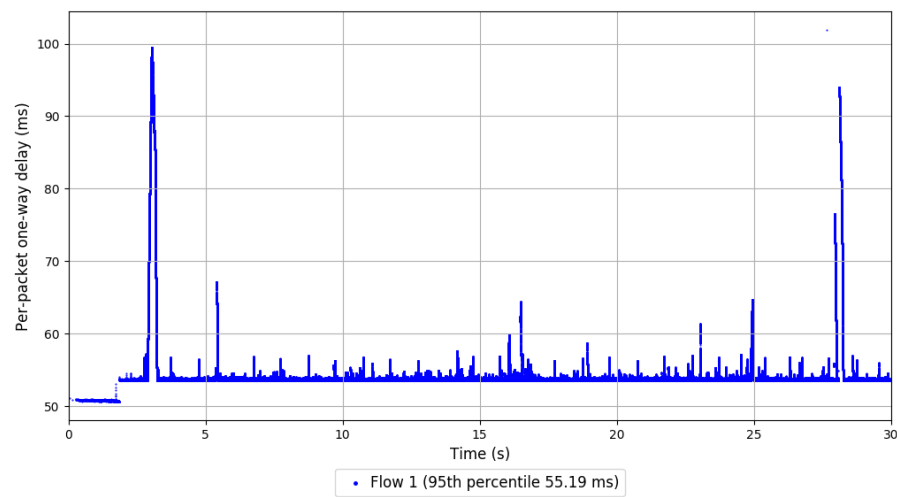
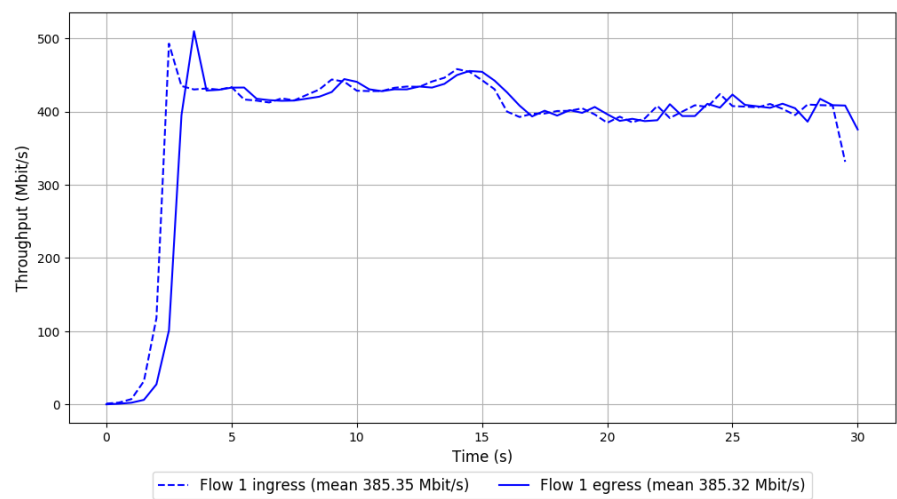
-- Flow 1:

Average throughput: 385.32 Mbit/s

95th percentile per-packet one-way delay: 55.186 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-25 23:53:38

End at: 2018-05-25 23:54:08

Local clock offset: -0.174 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-05-26 02:36:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.09 Mbit/s

95th percentile per-packet one-way delay: 54.741 ms

Loss rate: 0.01%

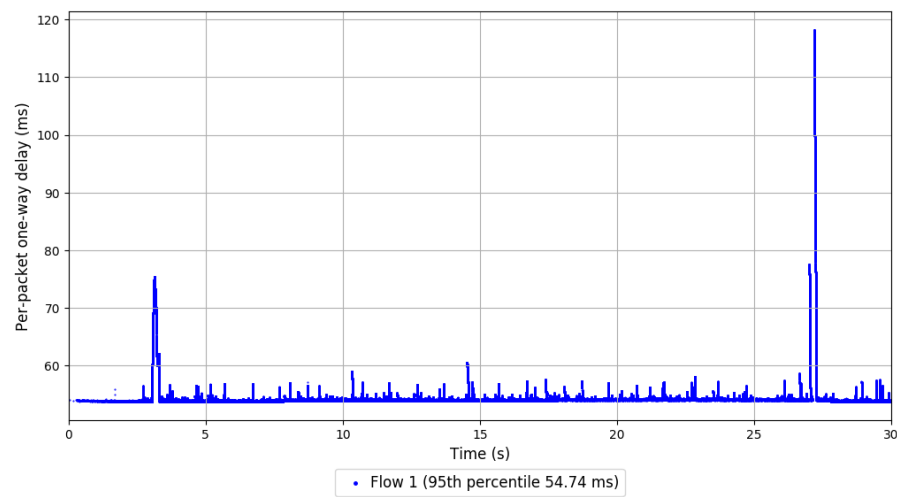
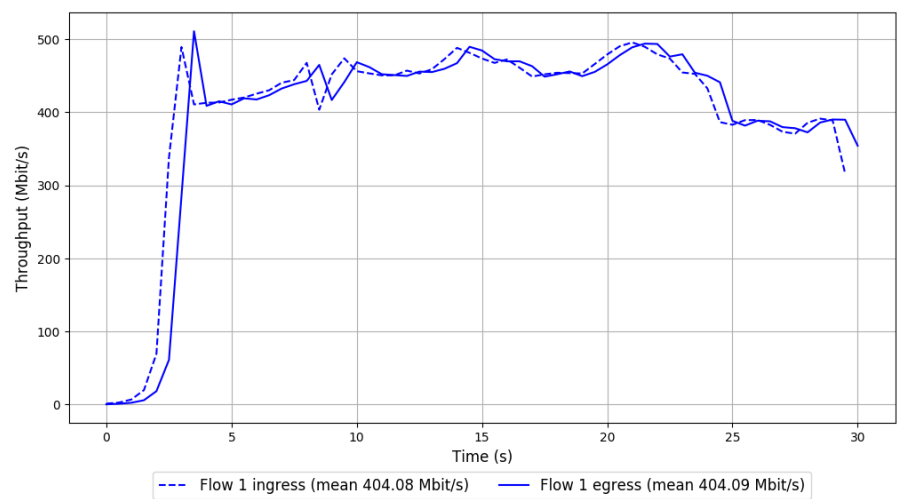
-- Flow 1:

Average throughput: 404.09 Mbit/s

95th percentile per-packet one-way delay: 54.741 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-26 00:14:06

End at: 2018-05-26 00:14:36

Local clock offset: 0.12 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-05-26 02:36:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.96 Mbit/s

95th percentile per-packet one-way delay: 53.409 ms

Loss rate: 0.00%

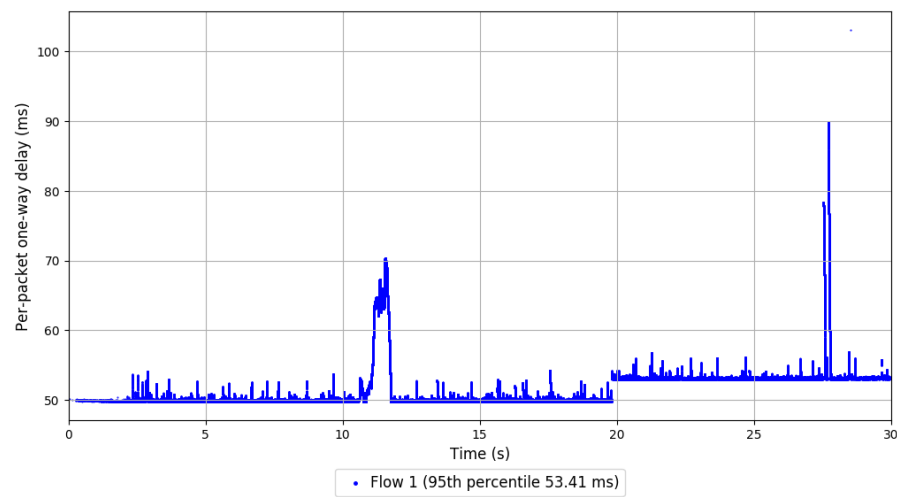
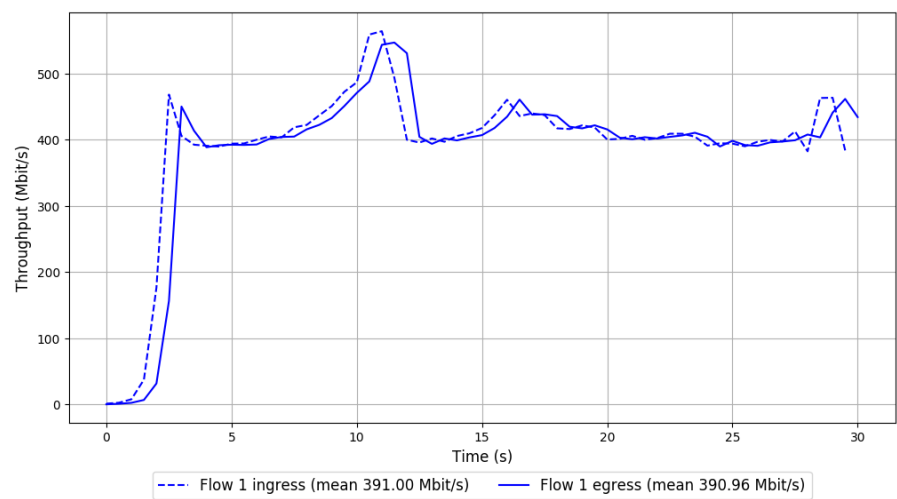
-- Flow 1:

Average throughput: 390.96 Mbit/s

95th percentile per-packet one-way delay: 53.409 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-26 00:35:14

End at: 2018-05-26 00:35:44

Local clock offset: 0.196 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-05-26 02:37:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.58 Mbit/s

95th percentile per-packet one-way delay: 54.212 ms

Loss rate: 0.00%

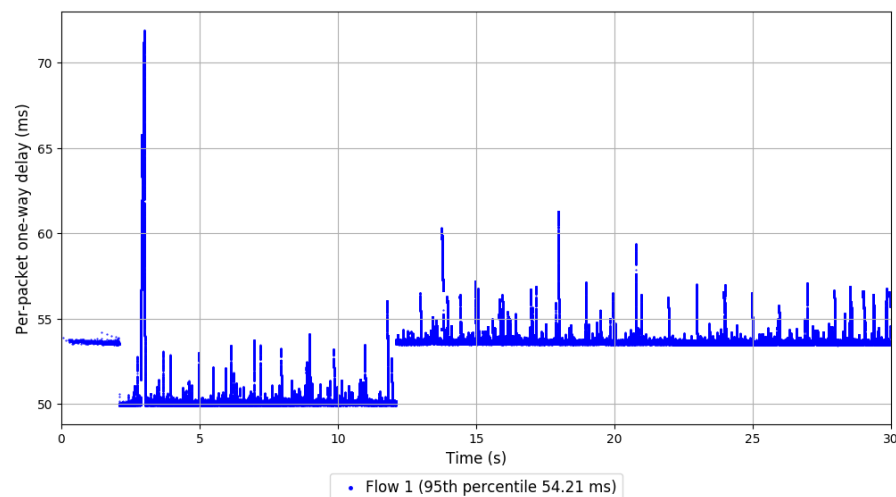
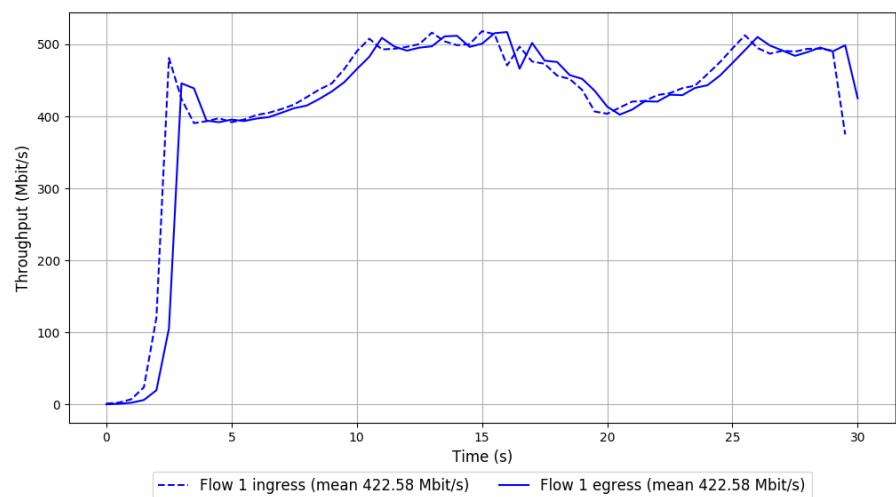
-- Flow 1:

Average throughput: 422.58 Mbit/s

95th percentile per-packet one-way delay: 54.212 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-26 00:55:58

End at: 2018-05-26 00:56:28

Local clock offset: -0.145 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 426.86 Mbit/s

95th percentile per-packet one-way delay: 59.364 ms

Loss rate: 0.00%

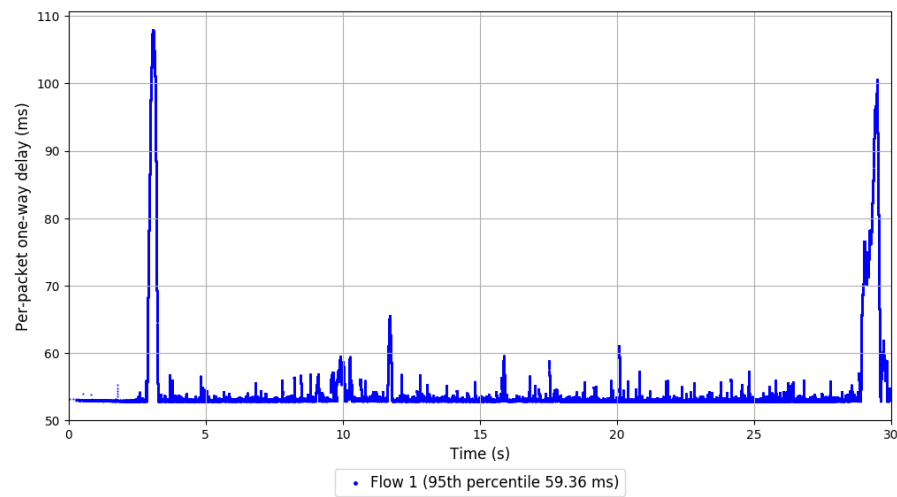
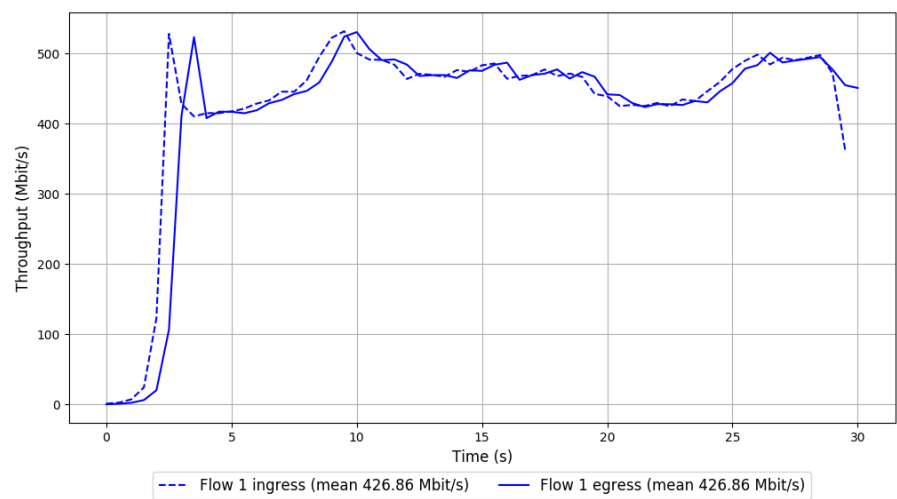
-- Flow 1:

Average throughput: 426.86 Mbit/s

95th percentile per-packet one-way delay: 59.364 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

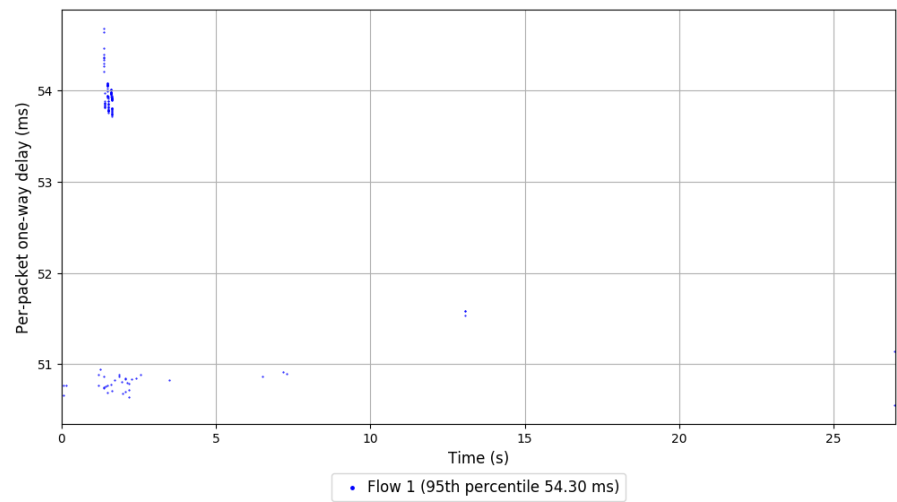
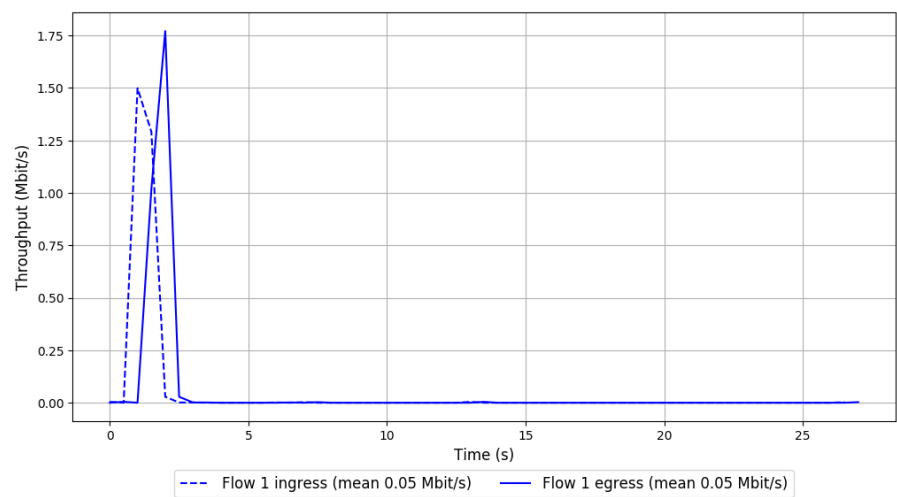


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-25 21:41:03
End at: 2018-05-25 21:41:33
Local clock offset: -0.12 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-05-26 02:37:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.303 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-25 22:01:10

End at: 2018-05-25 22:01:40

Local clock offset: -0.199 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.979 ms

Loss rate: 0.00%

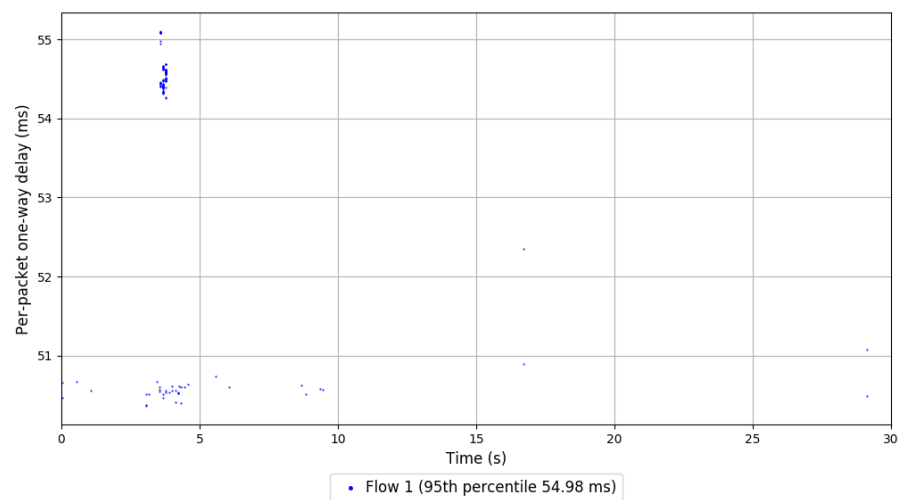
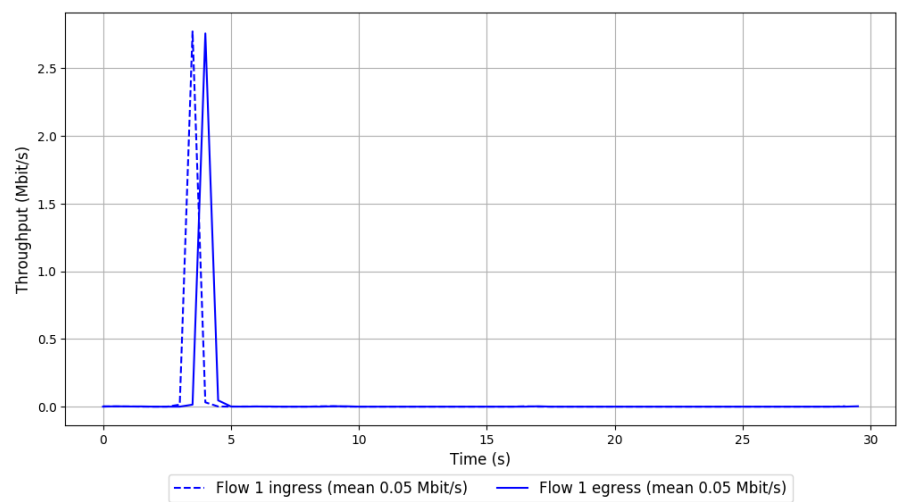
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.979 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-25 22:21:29

End at: 2018-05-25 22:21:59

Local clock offset: -0.188 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.645 ms

Loss rate: 0.00%

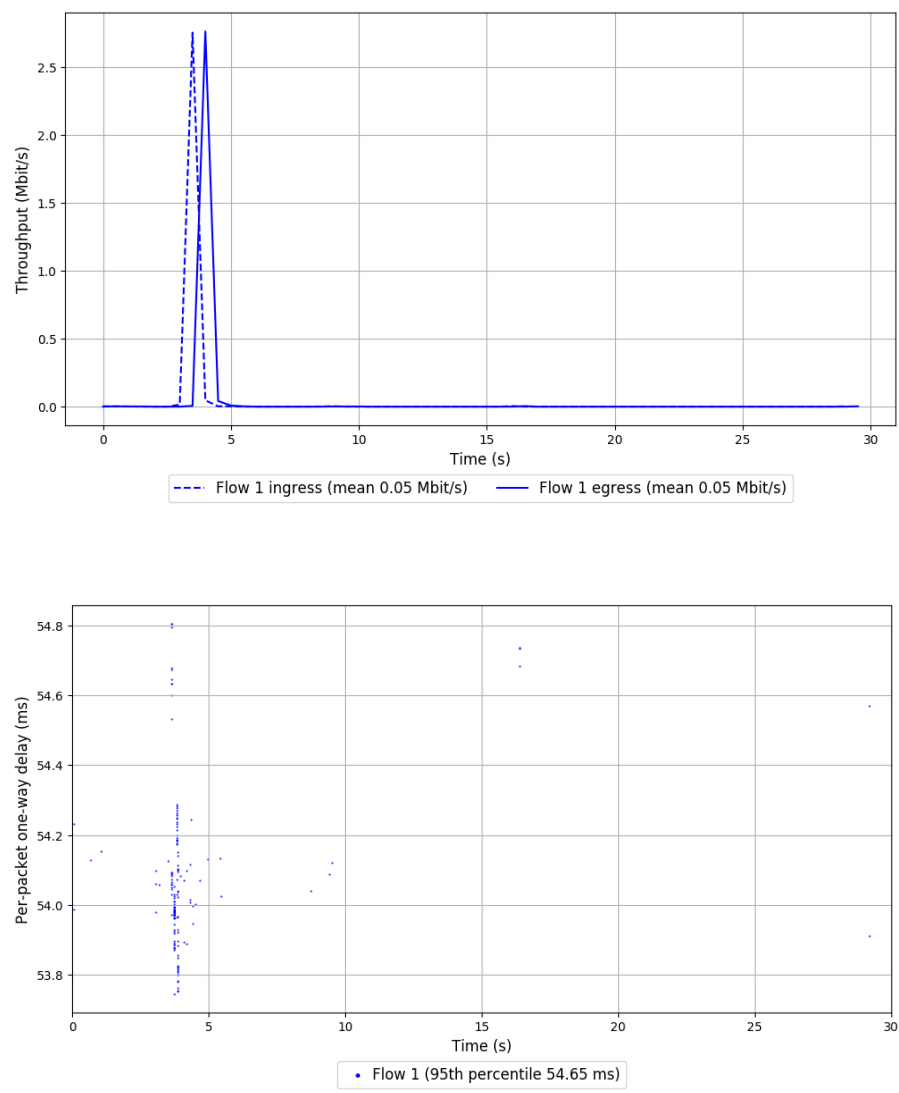
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.645 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

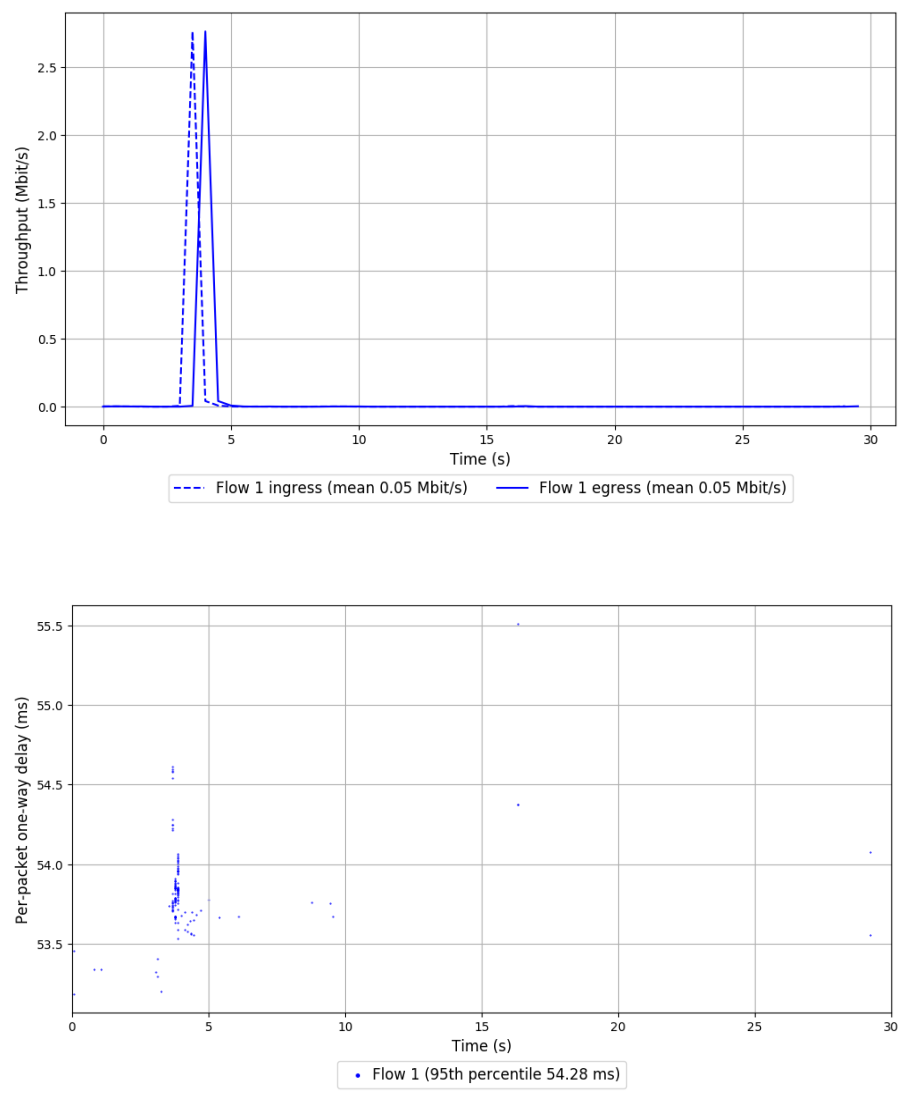


Run 4: Statistics of WebRTC media

Start at: 2018-05-25 22:42:06
End at: 2018-05-25 22:42:36
Local clock offset: -0.141 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-26 02:37:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.280 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-25 23:02:27

End at: 2018-05-25 23:02:57

Local clock offset: 0.212 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.00%

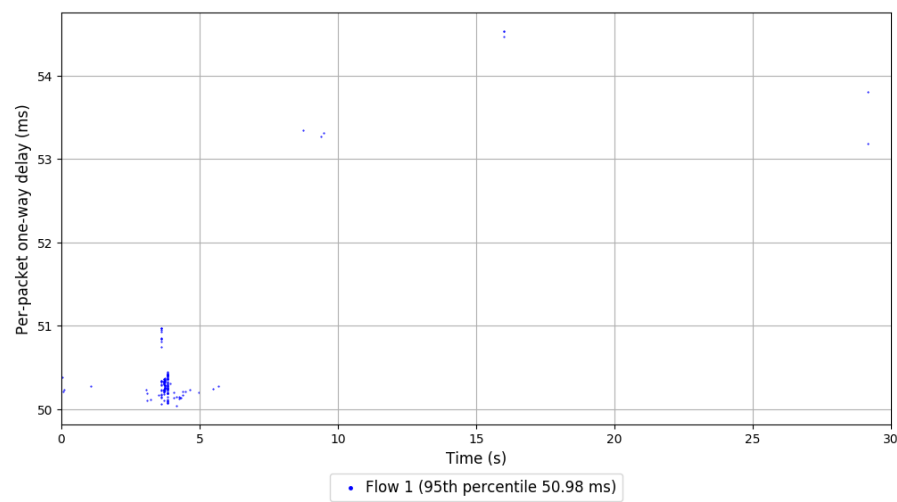
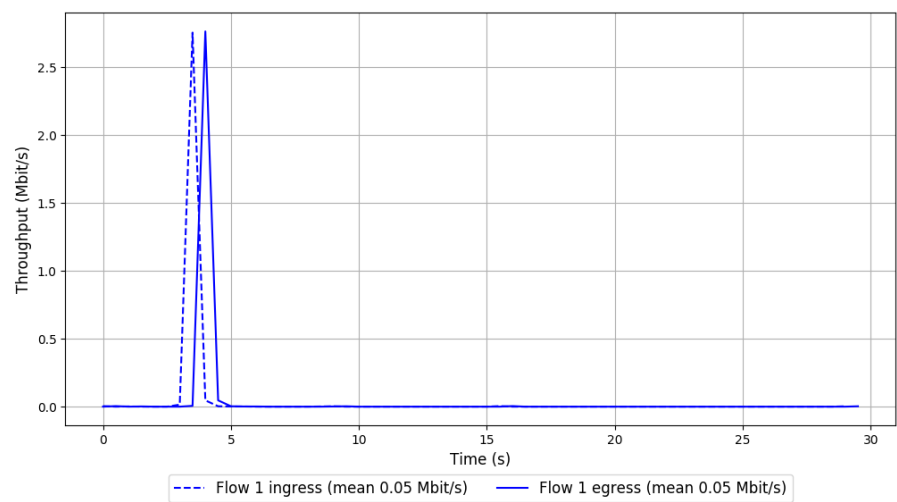
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-25 23:23:01

End at: 2018-05-25 23:23:31

Local clock offset: 0.107 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.00%

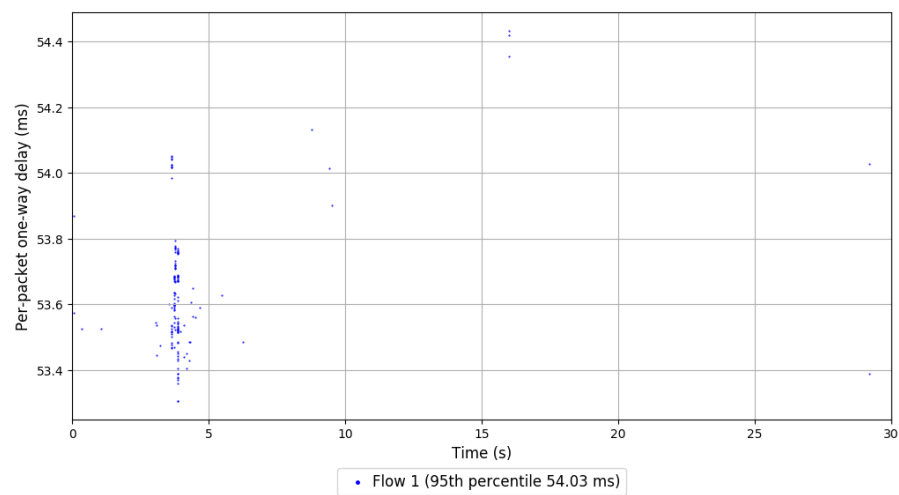
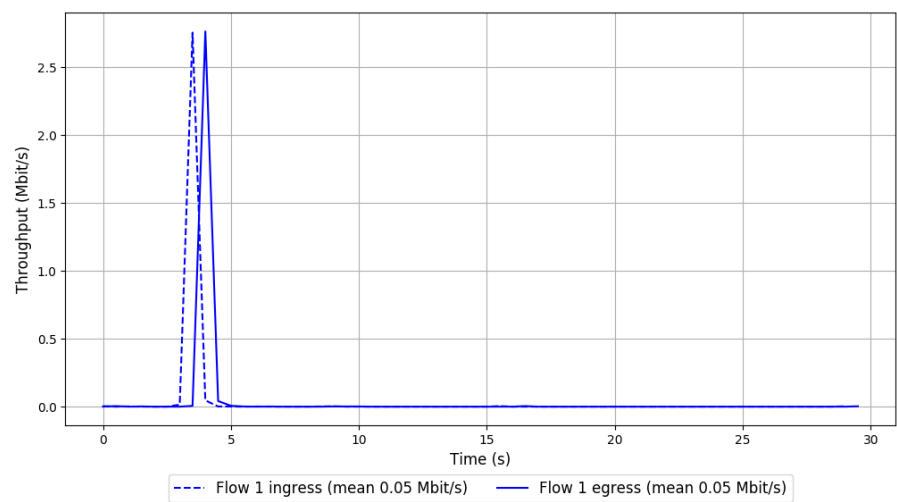
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-25 23:43:38

End at: 2018-05-25 23:44:08

Local clock offset: -0.129 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.009 ms

Loss rate: 0.00%

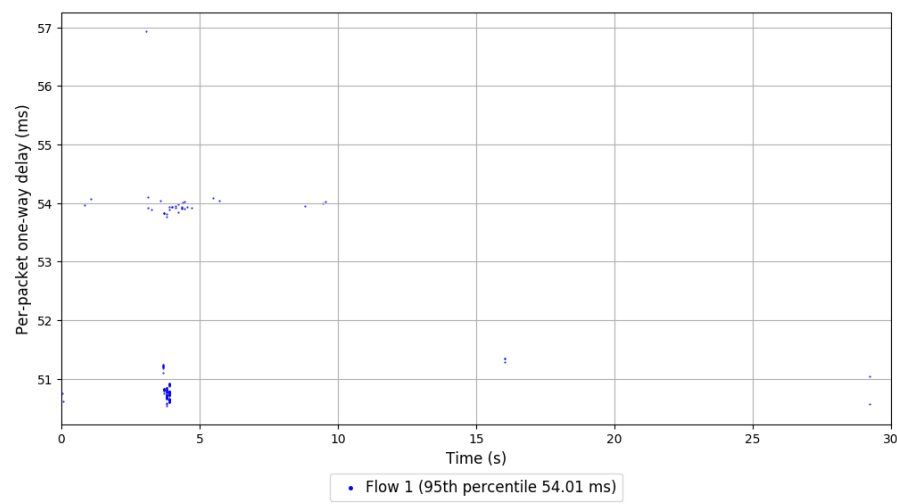
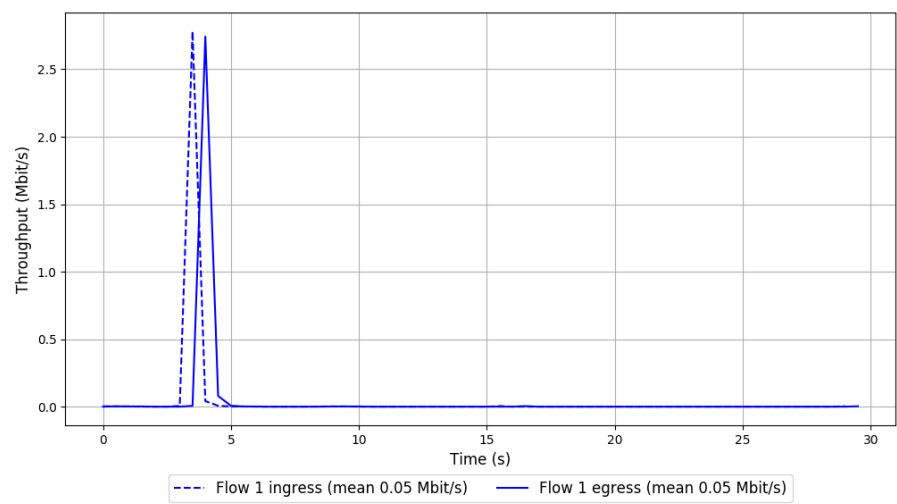
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.009 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-26 00:04:11

End at: 2018-05-26 00:04:41

Local clock offset: 0.14 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.00%

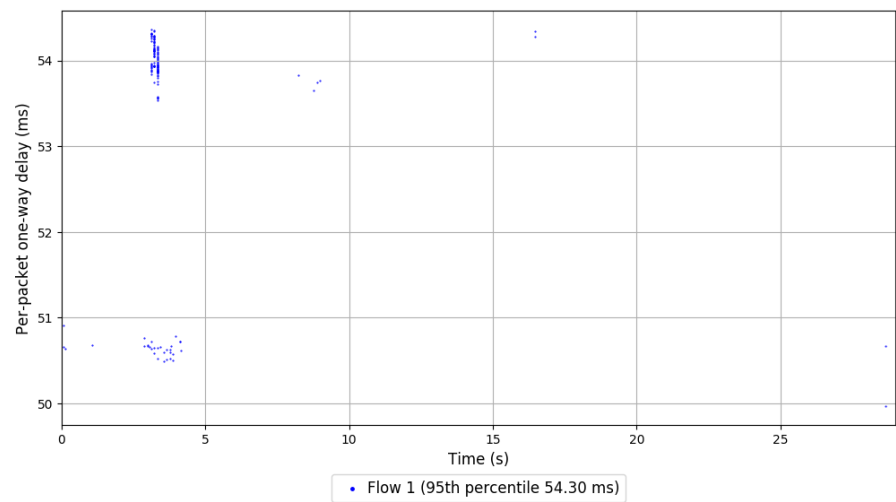
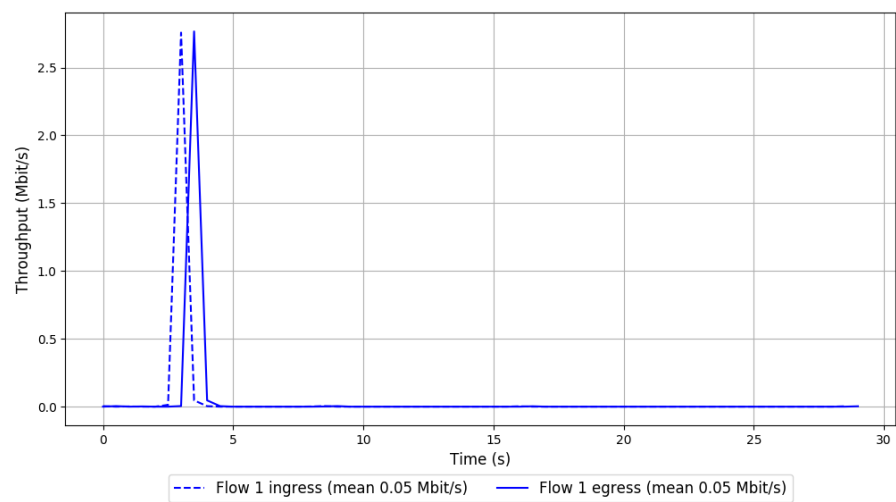
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

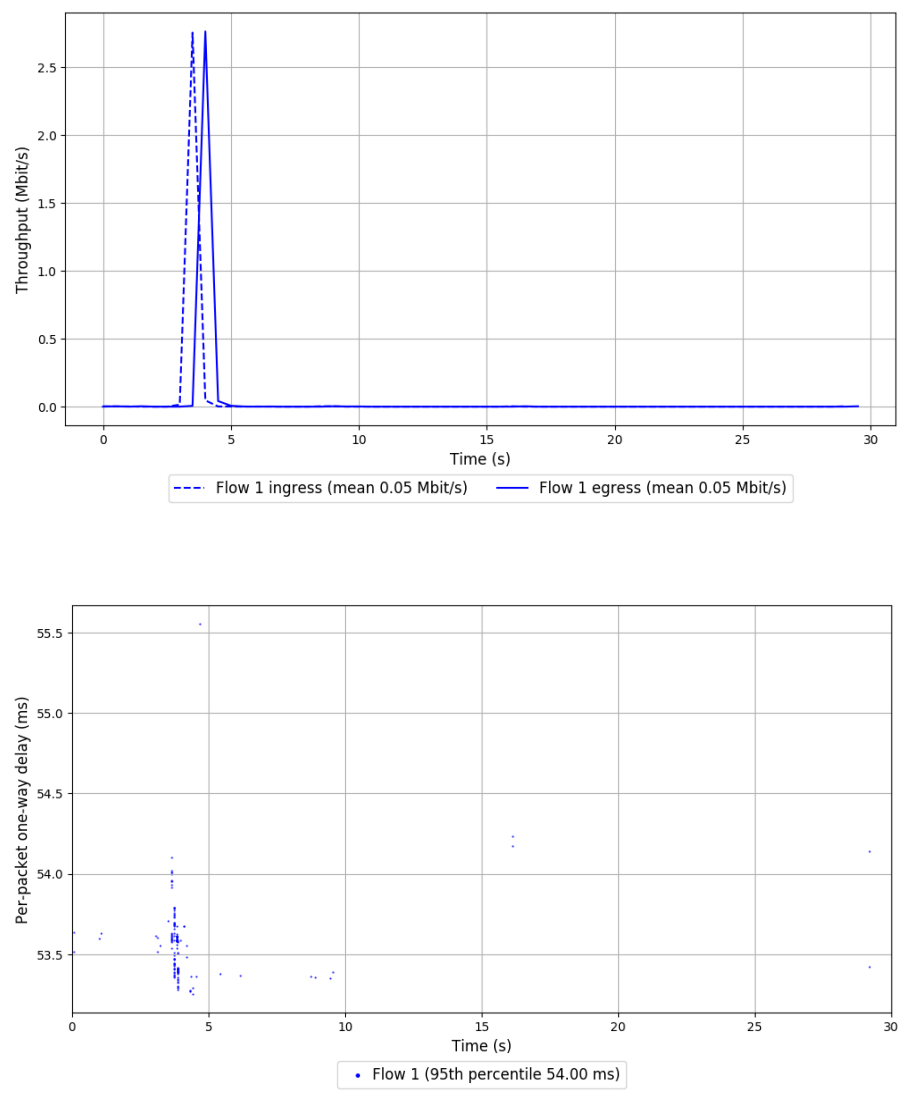


Run 9: Statistics of WebRTC media

Start at: 2018-05-26 00:25:09
End at: 2018-05-26 00:25:39
Local clock offset: 0.212 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-26 02:37:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.000 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-26 00:45:54

End at: 2018-05-26 00:46:24

Local clock offset: -0.463 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-05-26 02:37:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.566 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 54.566 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

