

Pantheon Report

Generated at 2018-07-04 03:23:27 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

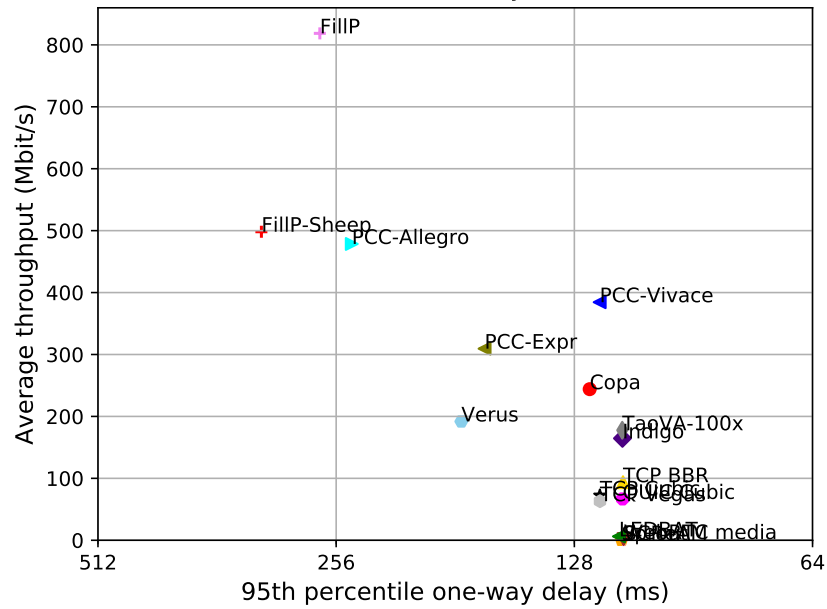
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

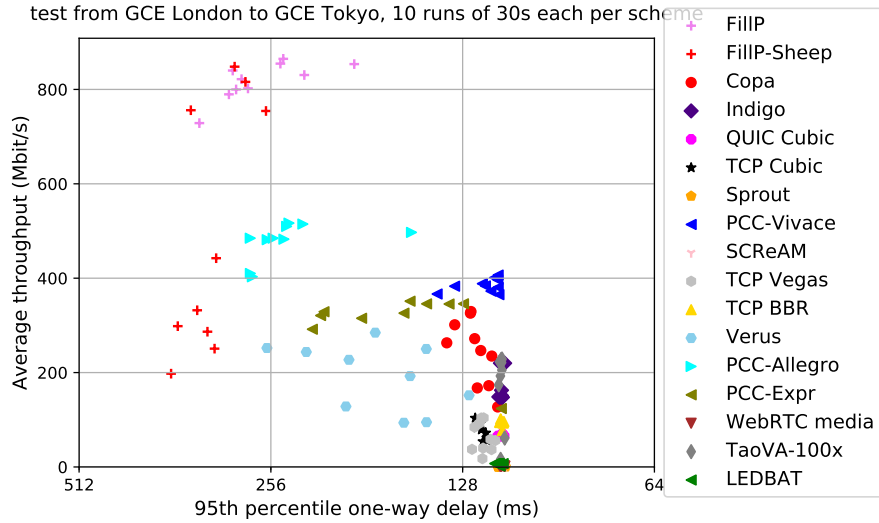
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE London 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	93.75	111.10	0.82
Copa	10	244.00	122.42	0.58
TCP Cubic	10	72.36	118.85	0.83
FillP	10	818.58	268.46	2.83
FillP-Sheep	10	498.22	318.22	7.19
Indigo	10	164.55	111.28	0.82
LEDBAT	10	6.25	112.43	1.70
PCC-Allegro	10	478.50	244.62	3.89
PCC-Expr	10	309.43	166.24	1.68
QUIC Cubic	6	66.75	111.24	1.02
SCReAM	10	0.22	110.82	0.73
Sprout	10	0.20	111.57	0.76
TaoVA-100x	10	177.66	111.34	0.78
TCP Vegas	10	63.09	118.80	0.58
Verus	10	191.86	177.86	1.09
PCC-Vivace	10	384.44	118.92	0.99
WebRTC media	10	1.89	110.92	0.85

Run 1: Statistics of TCP BBR

Start at: 2018-07-03 22:02:56

End at: 2018-07-03 22:03:26

Local clock offset: -1.229 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-04 01:55:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 110.272 ms

Loss rate: 0.85%

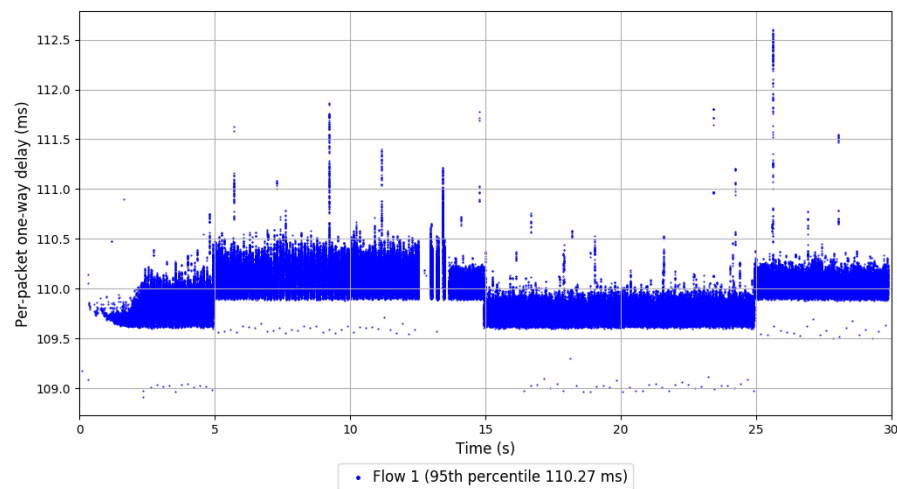
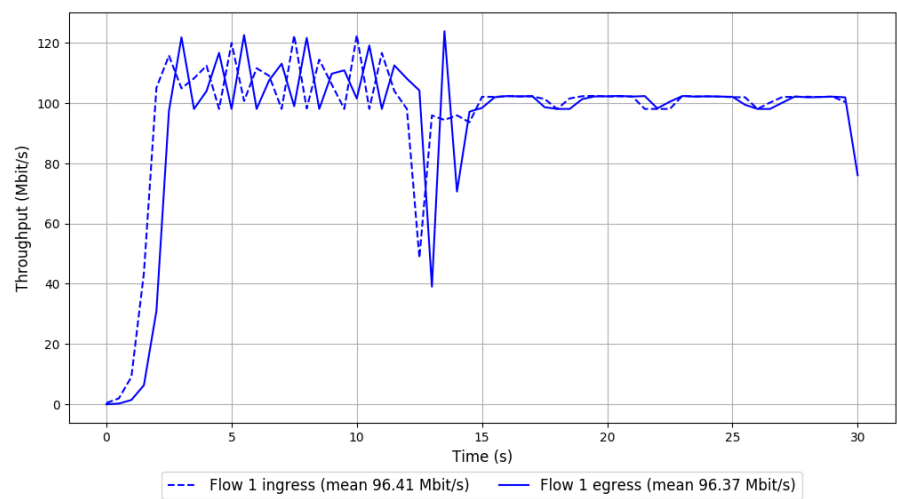
-- Flow 1:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 110.272 ms

Loss rate: 0.85%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-03 22:25:50

End at: 2018-07-03 22:26:20

Local clock offset: 0.271 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-04 01:55:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 111.886 ms

Loss rate: 0.77%

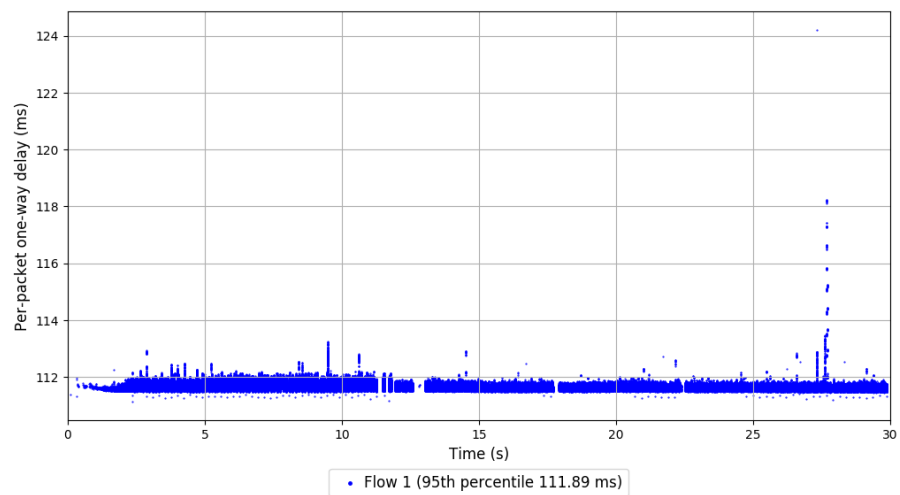
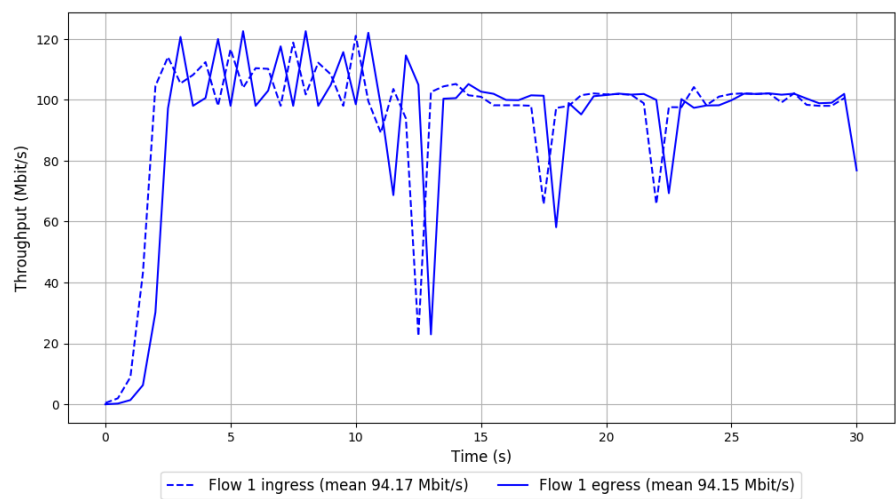
-- Flow 1:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 111.886 ms

Loss rate: 0.77%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-03 22:48:58

End at: 2018-07-03 22:49:28

Local clock offset: 0.165 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-04 01:55:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 111.458 ms

Loss rate: 0.83%

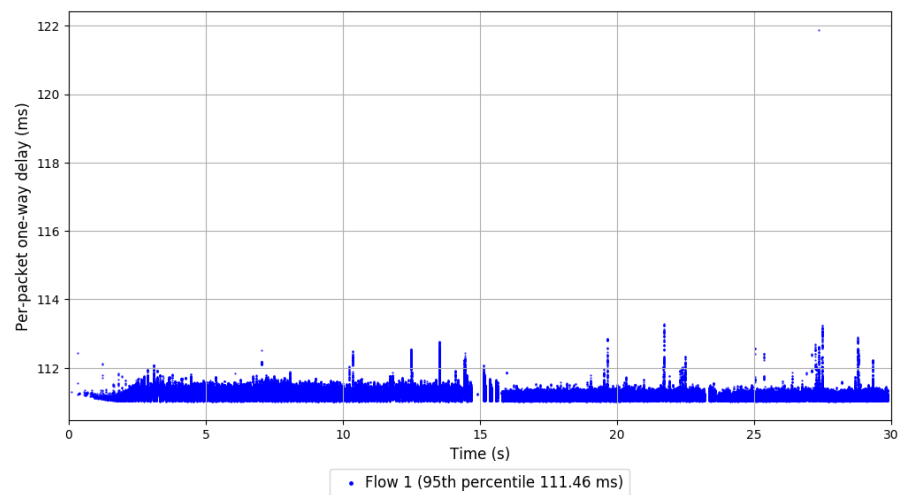
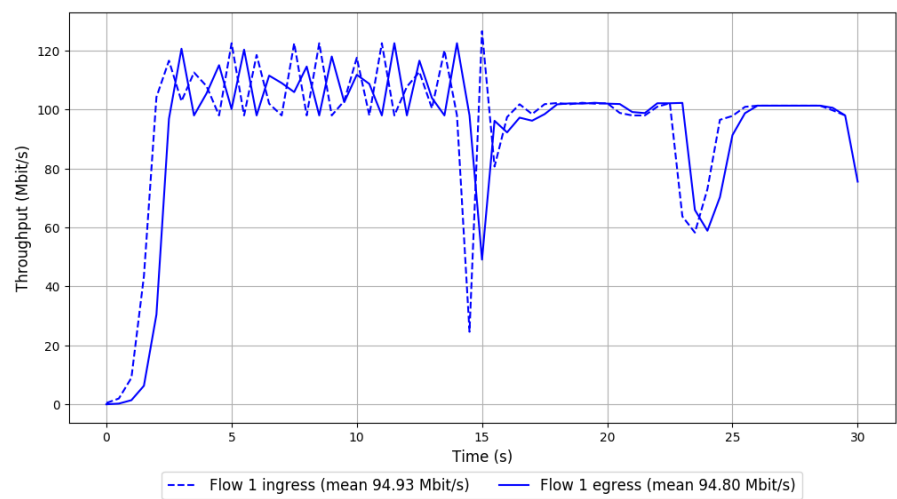
-- Flow 1:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 111.458 ms

Loss rate: 0.83%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-03 23:11:57

End at: 2018-07-03 23:12:27

Local clock offset: 0.094 ms

Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-04 01:55:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 111.930 ms

Loss rate: 0.79%

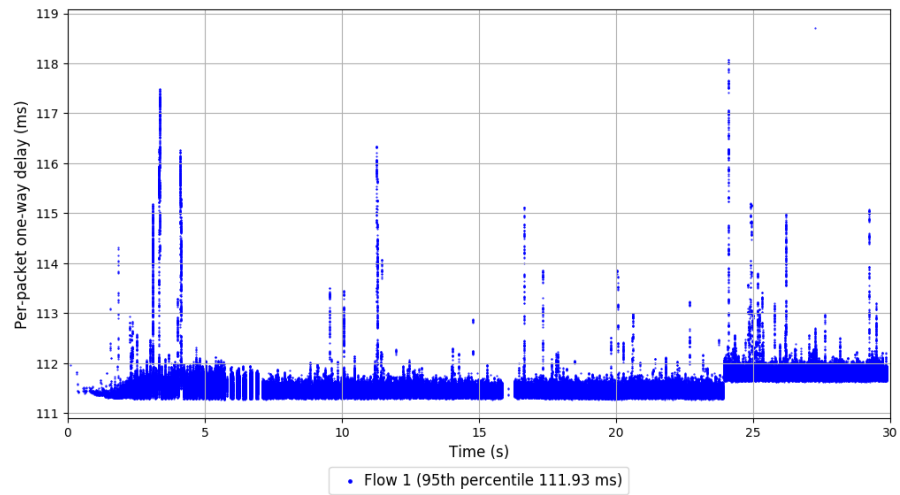
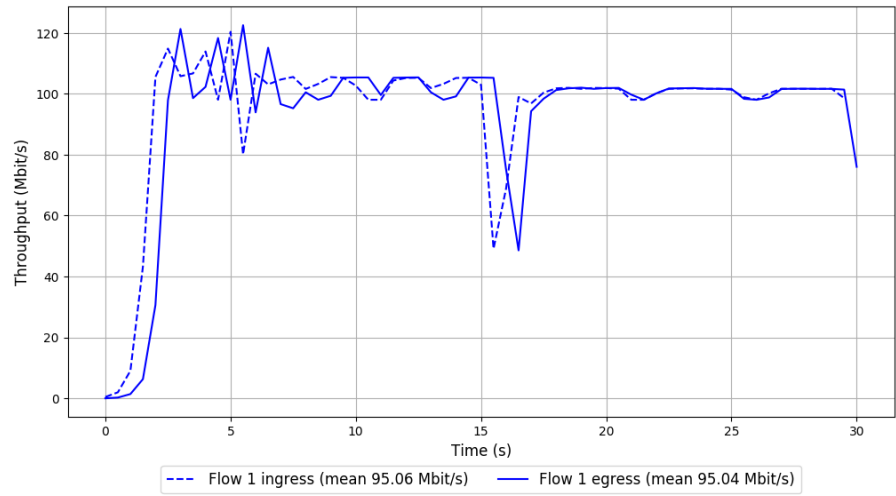
-- Flow 1:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 111.930 ms

Loss rate: 0.79%

Run 4: Report of TCP BBR — Data Link

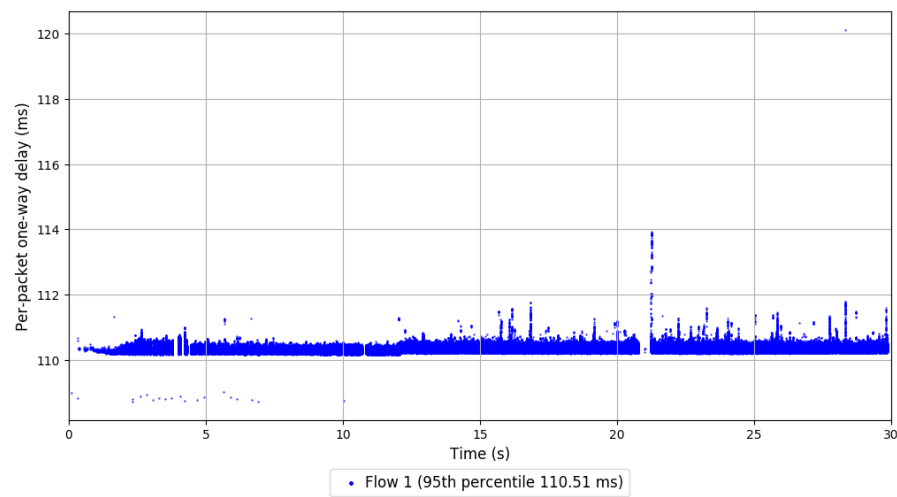
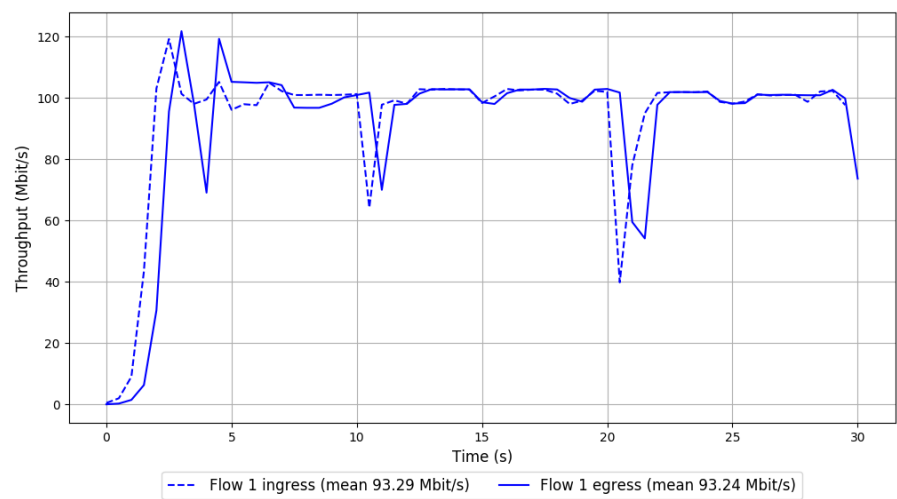


Run 5: Statistics of TCP BBR

Start at: 2018-07-03 23:34:59
End at: 2018-07-03 23:35:29
Local clock offset: -0.969 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-07-04 01:55:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 110.509 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 110.509 ms
Loss rate: 0.82%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-03 23:57:37

End at: 2018-07-03 23:58:07

Local clock offset: -0.04 ms

Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-07-04 01:55:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.05 Mbit/s

95th percentile per-packet one-way delay: 111.566 ms

Loss rate: 0.80%

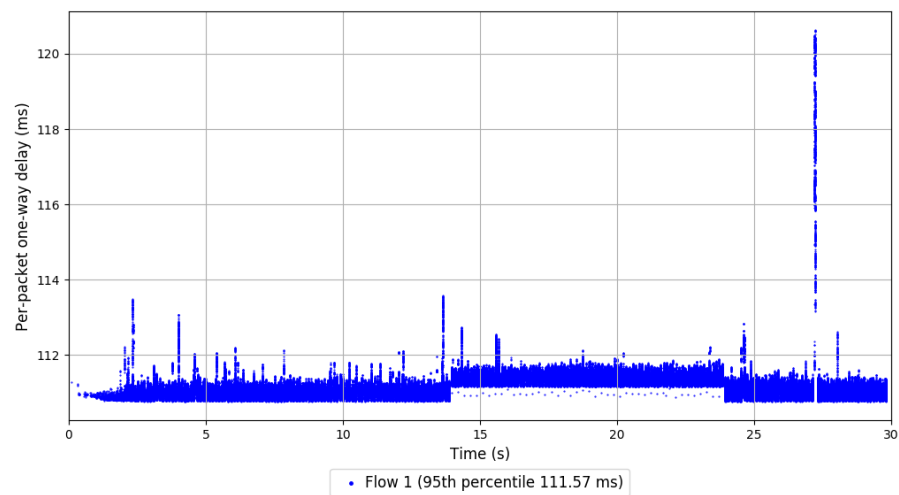
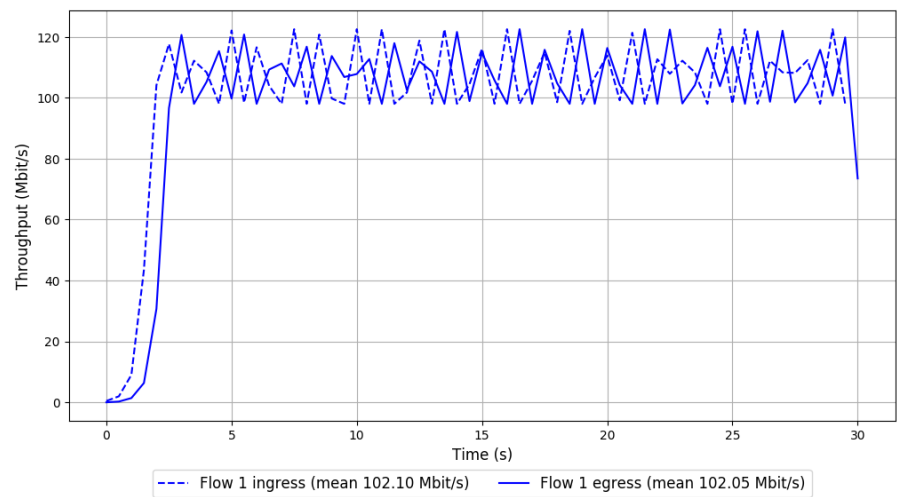
-- Flow 1:

Average throughput: 102.05 Mbit/s

95th percentile per-packet one-way delay: 111.566 ms

Loss rate: 0.80%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-04 00:19:52

End at: 2018-07-04 00:20:22

Local clock offset: -0.201 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-04 01:55:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.13 Mbit/s

95th percentile per-packet one-way delay: 110.914 ms

Loss rate: 1.02%

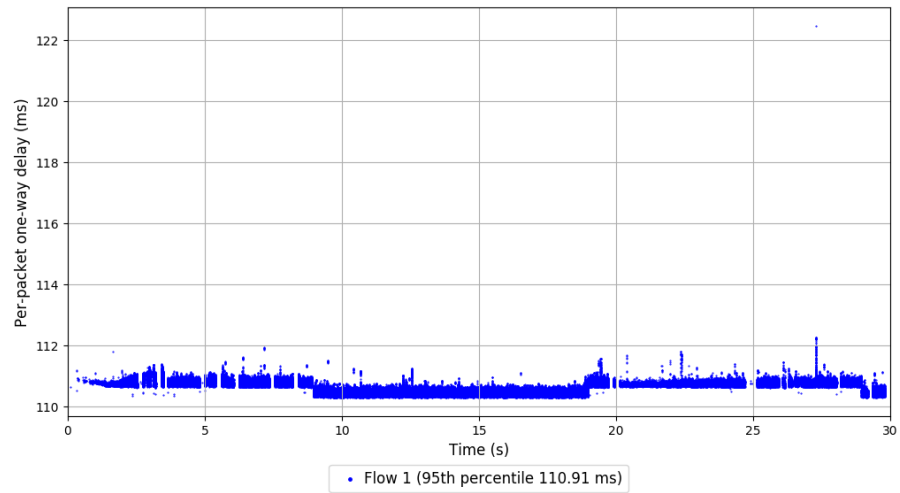
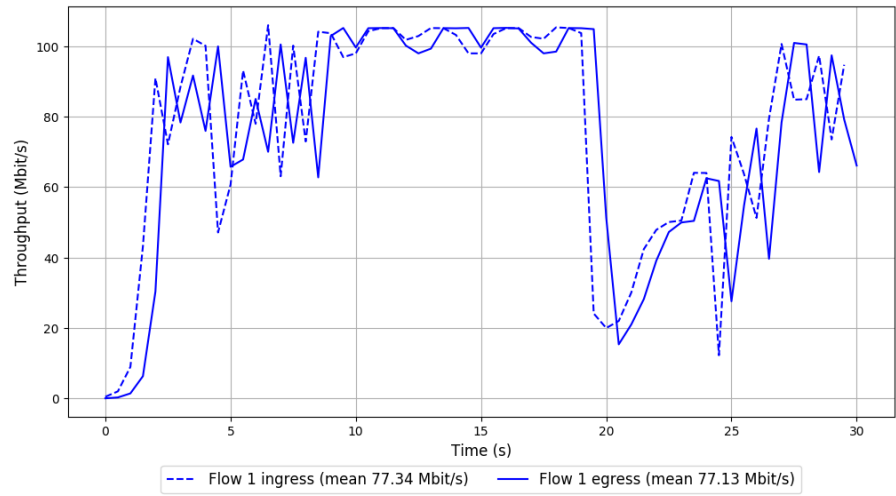
-- Flow 1:

Average throughput: 77.13 Mbit/s

95th percentile per-packet one-way delay: 110.914 ms

Loss rate: 1.02%

Run 7: Report of TCP BBR — Data Link

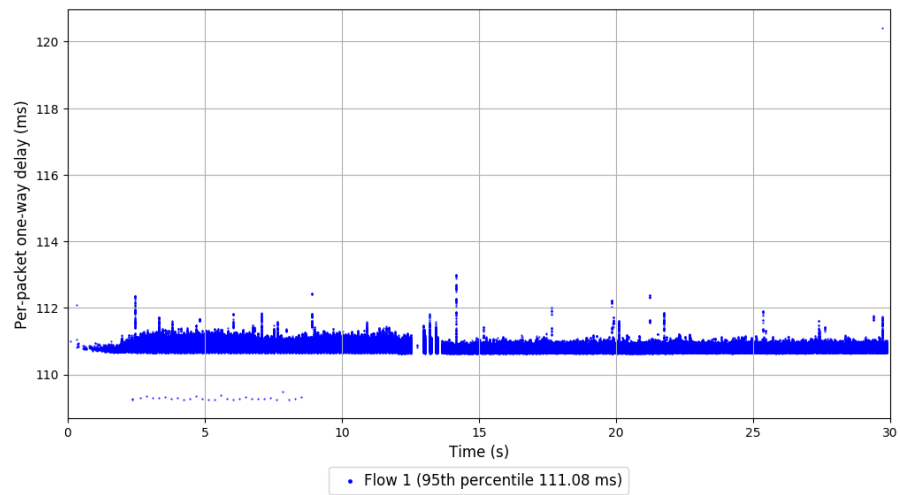
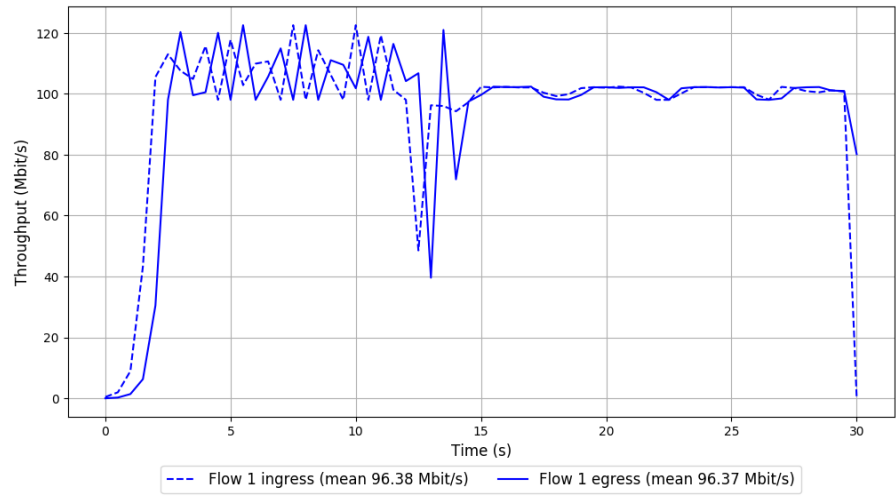


Run 8: Statistics of TCP BBR

Start at: 2018-07-04 00:42:49
End at: 2018-07-04 00:43:19
Local clock offset: -0.219 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-07-04 01:55:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 111.084 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 111.084 ms
Loss rate: 0.75%

Run 8: Report of TCP BBR — Data Link

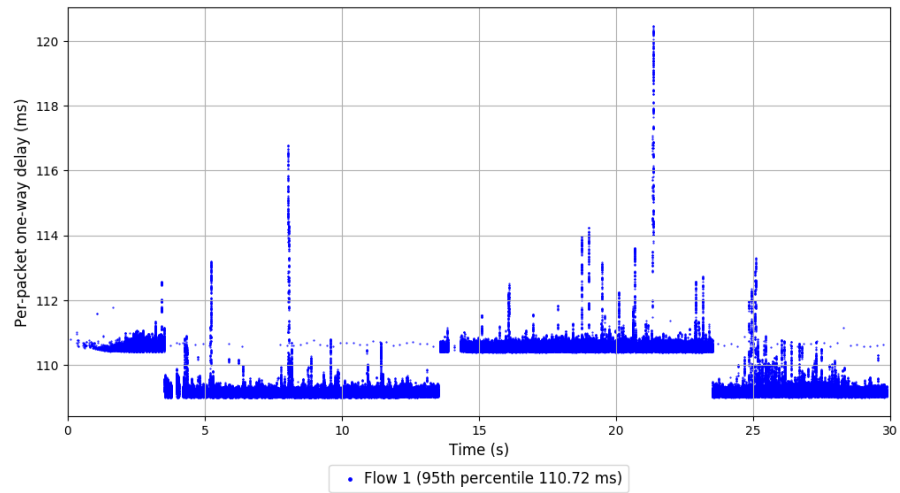
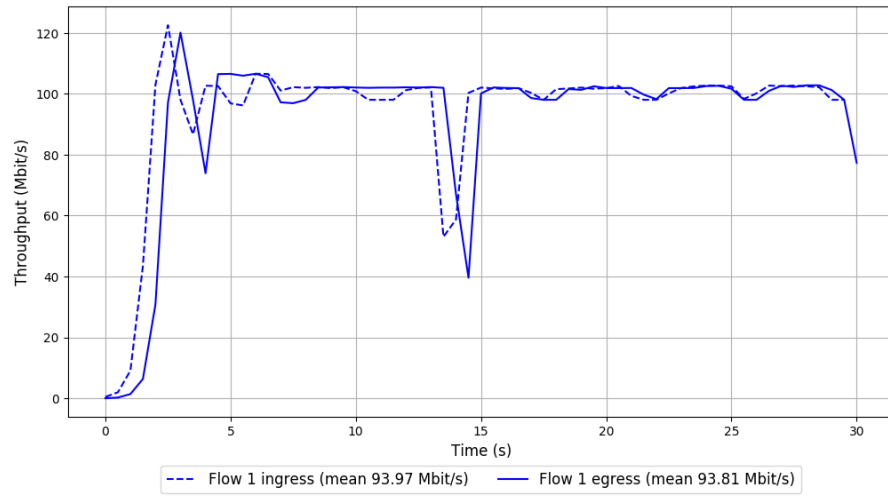


Run 9: Statistics of TCP BBR

Start at: 2018-07-04 01:05:38
End at: 2018-07-04 01:06:08
Local clock offset: -0.467 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-04 01:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 110.721 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 110.721 ms
Loss rate: 0.80%

Run 9: Report of TCP BBR — Data Link

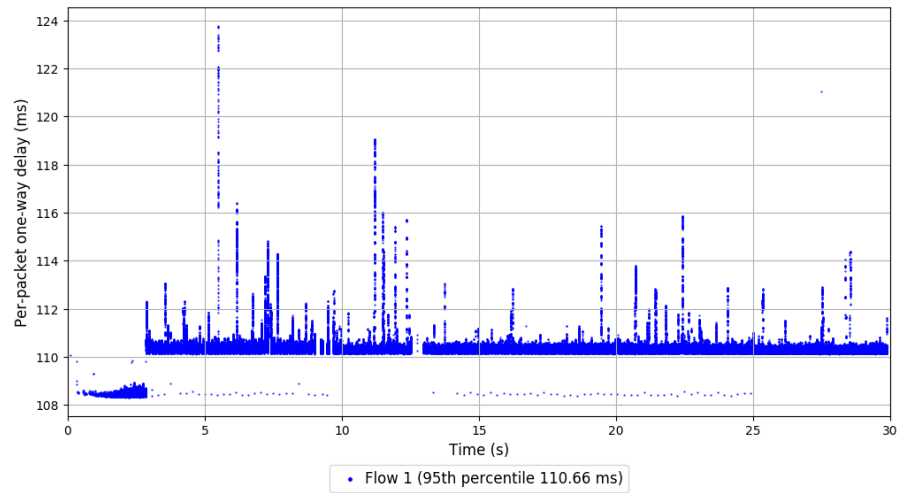
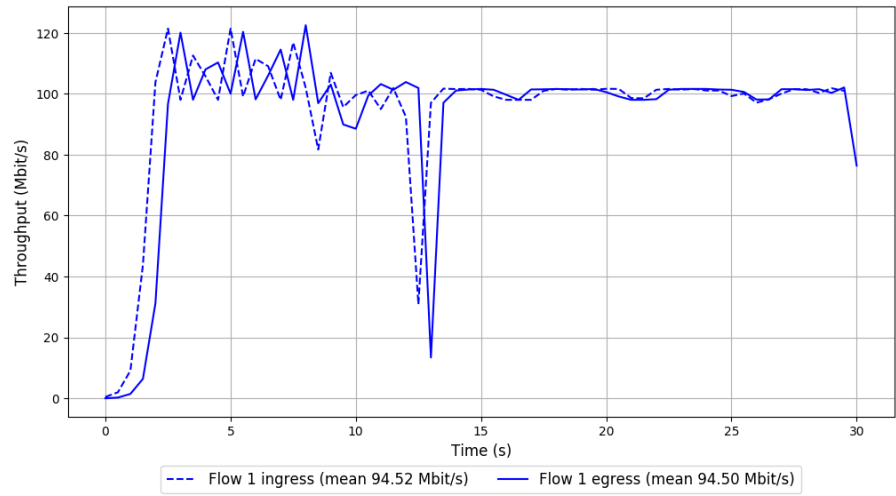


Run 10: Statistics of TCP BBR

Start at: 2018-07-04 01:27:29
End at: 2018-07-04 01:27:59
Local clock offset: -1.135 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-07-04 01:56:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 110.659 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 110.659 ms
Loss rate: 0.76%

Run 10: Report of TCP BBR — Data Link

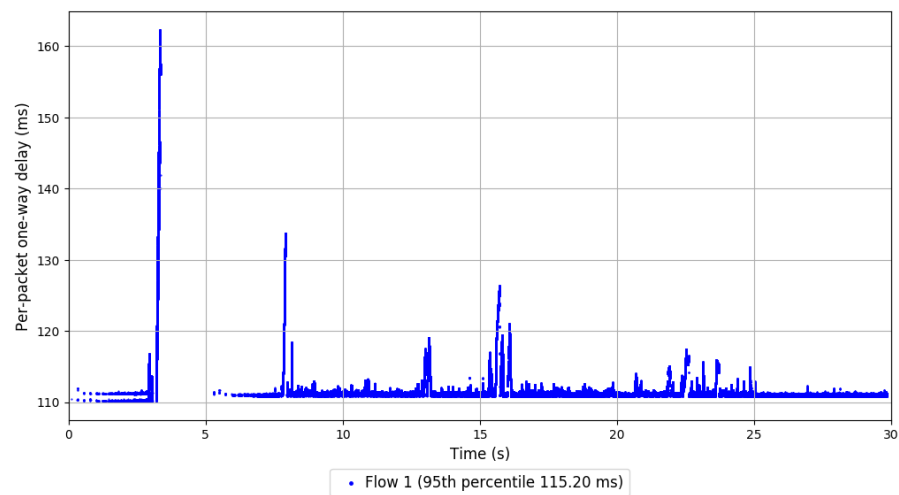
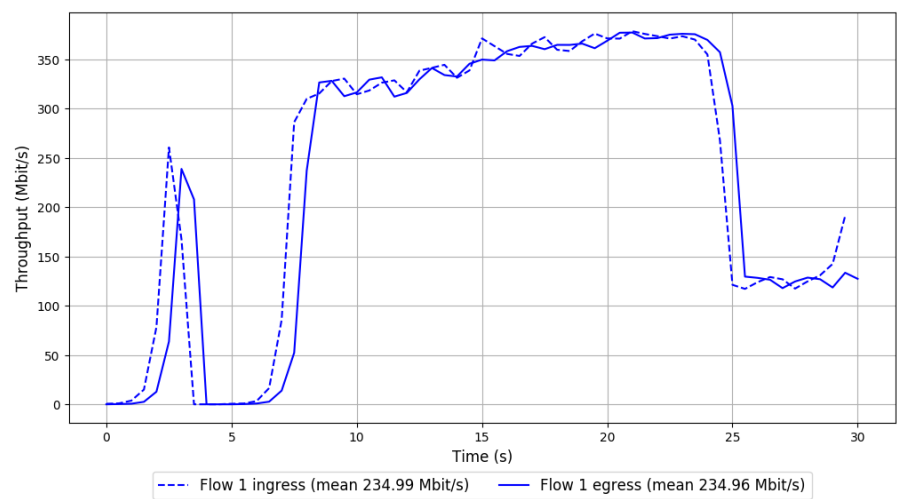


Run 1: Statistics of Copa

Start at: 2018-07-03 22:01:27
End at: 2018-07-03 22:01:57
Local clock offset: -0.003 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-04 02:02:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.96 Mbit/s
95th percentile per-packet one-way delay: 115.202 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 234.96 Mbit/s
95th percentile per-packet one-way delay: 115.202 ms
Loss rate: 0.75%

Run 1: Report of Copa — Data Link

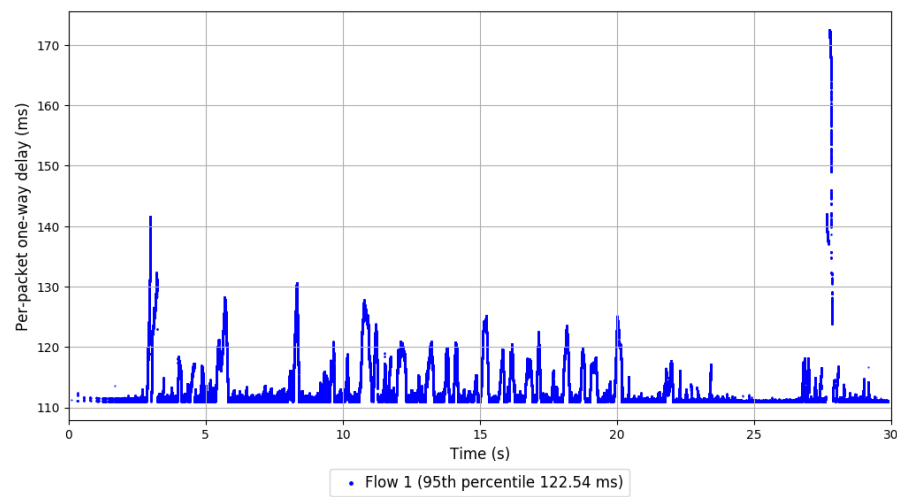
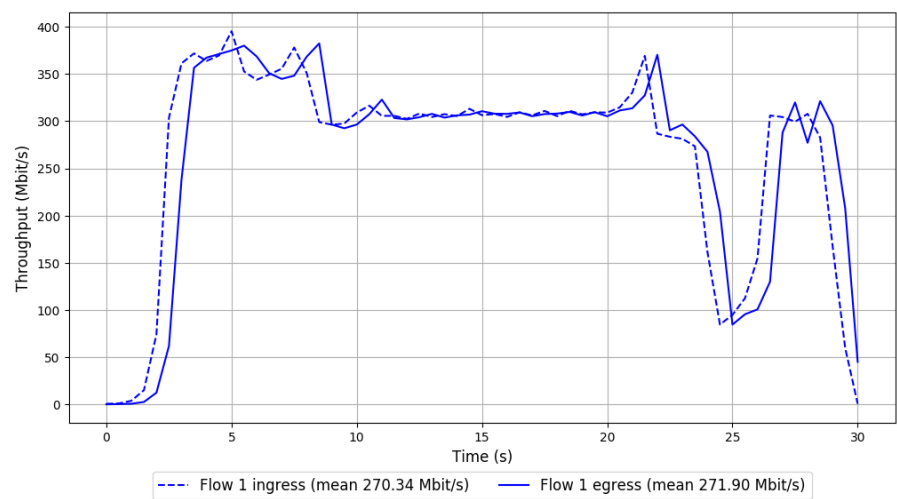


Run 2: Statistics of Copa

Start at: 2018-07-03 22:24:17
End at: 2018-07-03 22:24:47
Local clock offset: 0.175 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-04 02:02:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.90 Mbit/s
95th percentile per-packet one-way delay: 122.541 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 271.90 Mbit/s
95th percentile per-packet one-way delay: 122.541 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

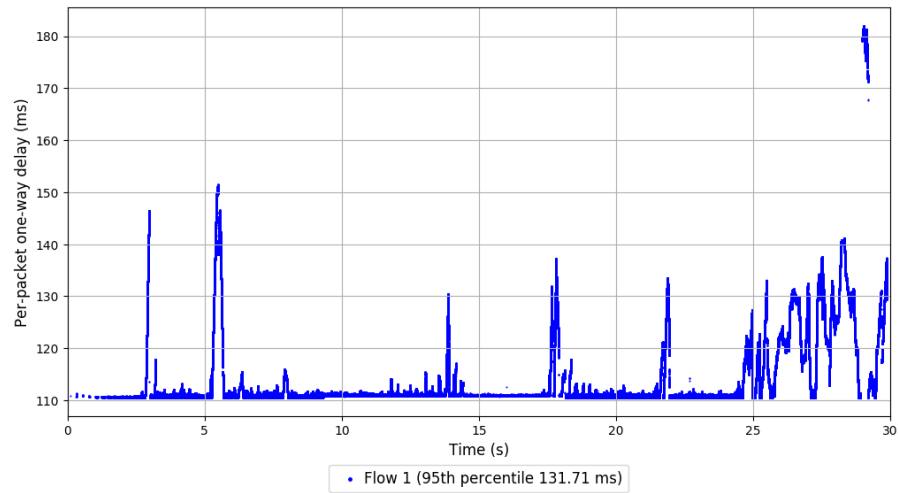
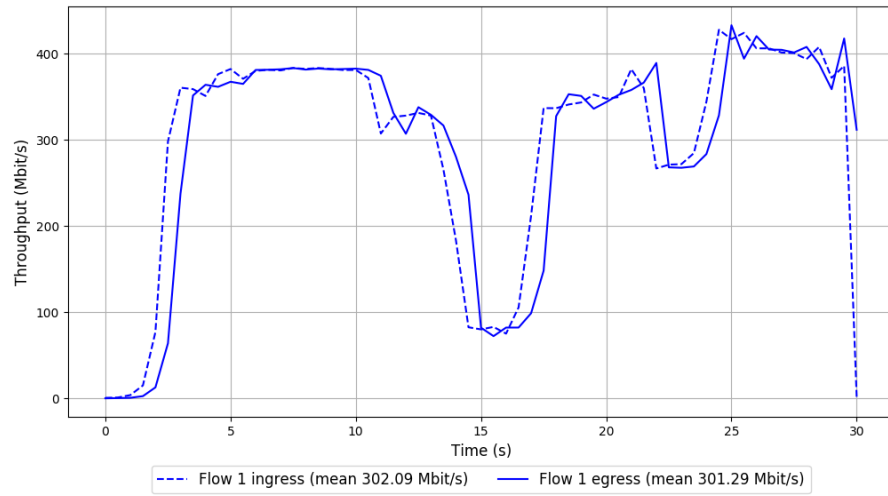


Run 3: Statistics of Copa

Start at: 2018-07-03 22:47:22
End at: 2018-07-03 22:47:52
Local clock offset: -0.332 ms
Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-04 02:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.29 Mbit/s
95th percentile per-packet one-way delay: 131.712 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 301.29 Mbit/s
95th percentile per-packet one-way delay: 131.712 ms
Loss rate: 1.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-03 23:10:34

End at: 2018-07-03 23:11:04

Local clock offset: 0.191 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-04 02:04:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.23 Mbit/s

95th percentile per-packet one-way delay: 116.452 ms

Loss rate: 0.34%

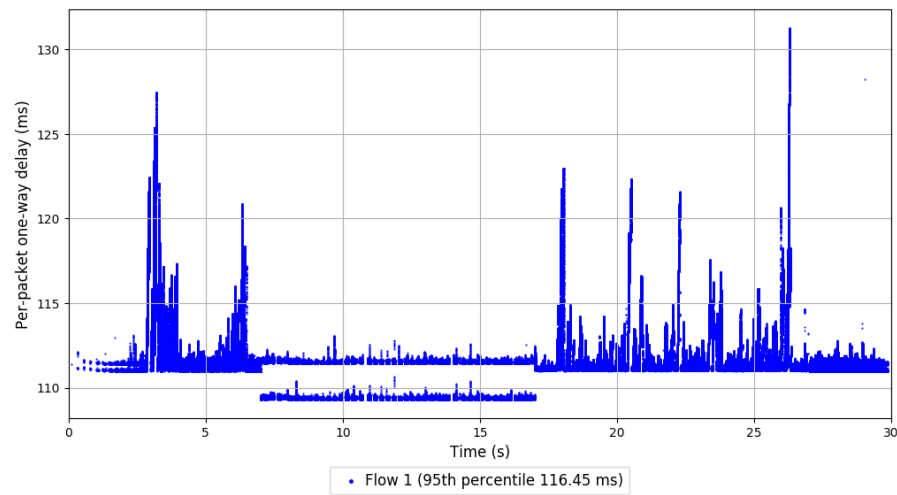
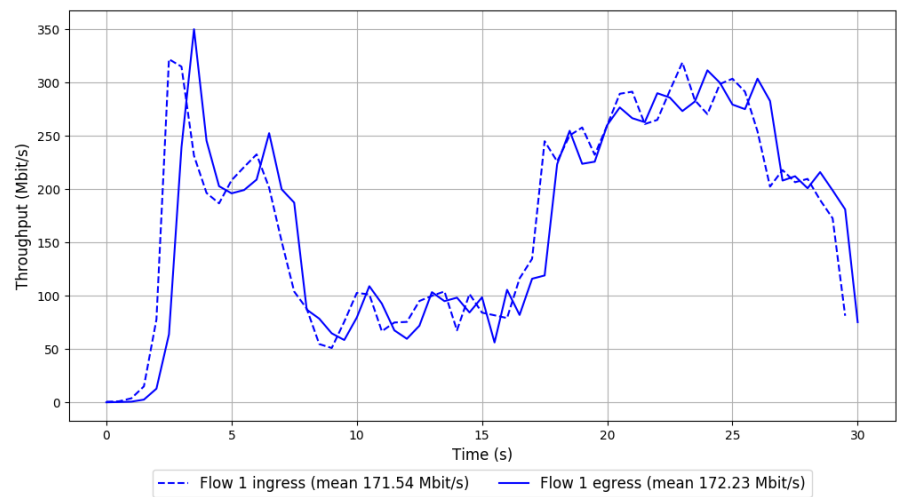
-- Flow 1:

Average throughput: 172.23 Mbit/s

95th percentile per-packet one-way delay: 116.452 ms

Loss rate: 0.34%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-03 23:33:27

End at: 2018-07-03 23:33:57

Local clock offset: -1.218 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2018-07-04 02:04:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.03 Mbit/s

95th percentile per-packet one-way delay: 135.561 ms

Loss rate: 0.38%

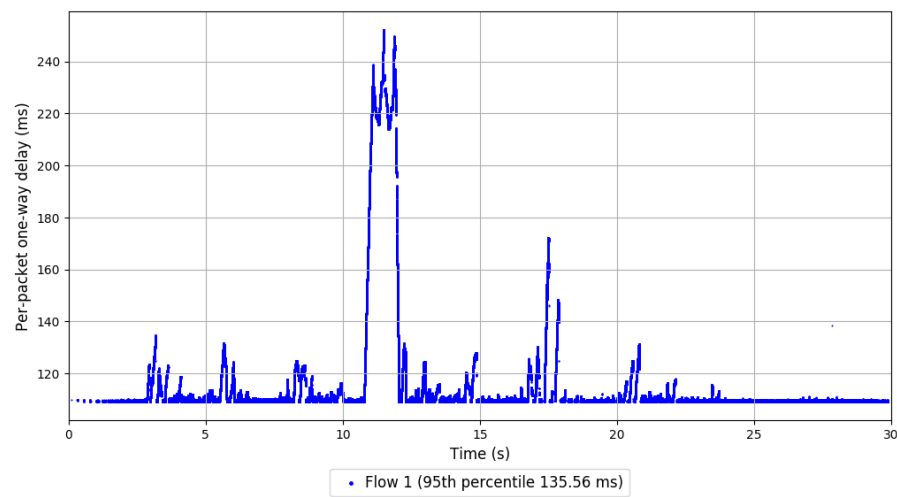
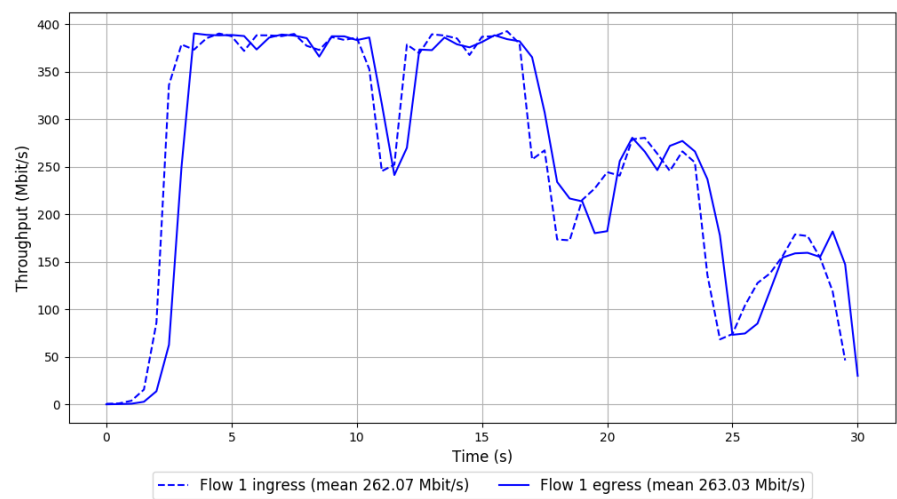
-- Flow 1:

Average throughput: 263.03 Mbit/s

95th percentile per-packet one-way delay: 135.561 ms

Loss rate: 0.38%

Run 5: Report of Copa — Data Link

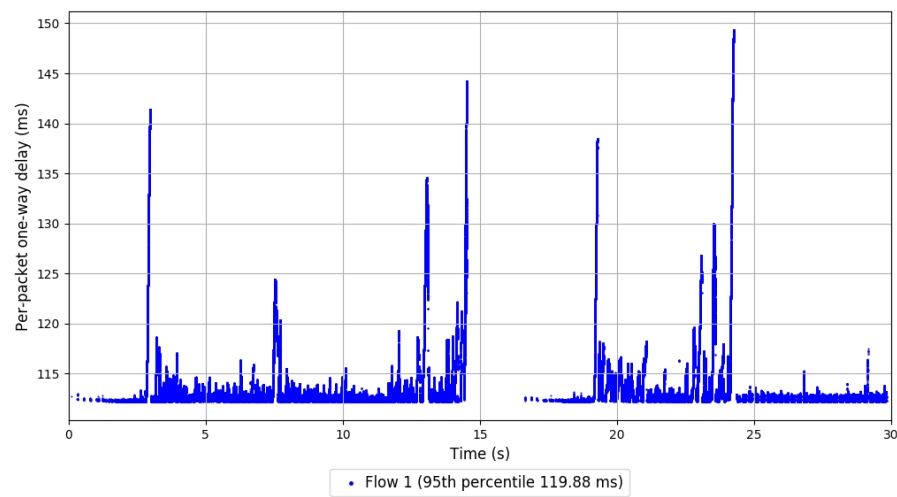
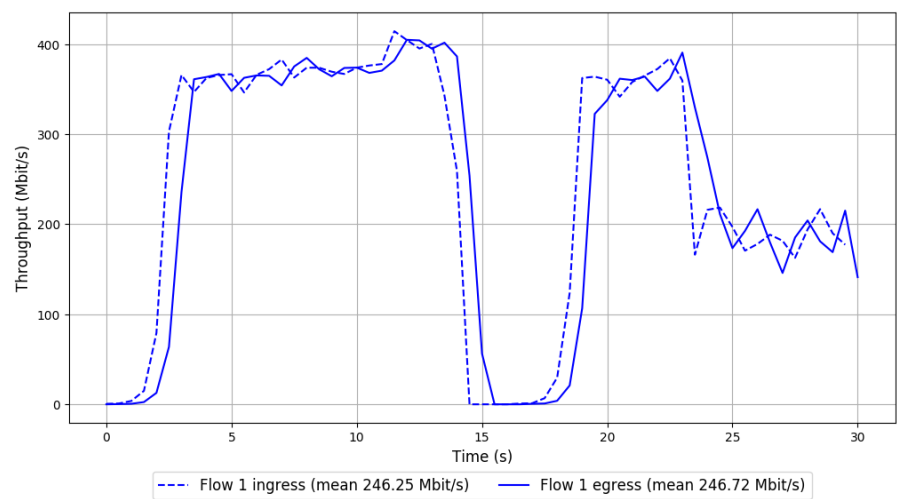


Run 6: Statistics of Copa

Start at: 2018-07-03 23:56:07
End at: 2018-07-03 23:56:37
Local clock offset: 1.046 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2018-07-04 02:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.72 Mbit/s
95th percentile per-packet one-way delay: 119.884 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 246.72 Mbit/s
95th percentile per-packet one-way delay: 119.884 ms
Loss rate: 0.60%

Run 6: Report of Copa — Data Link

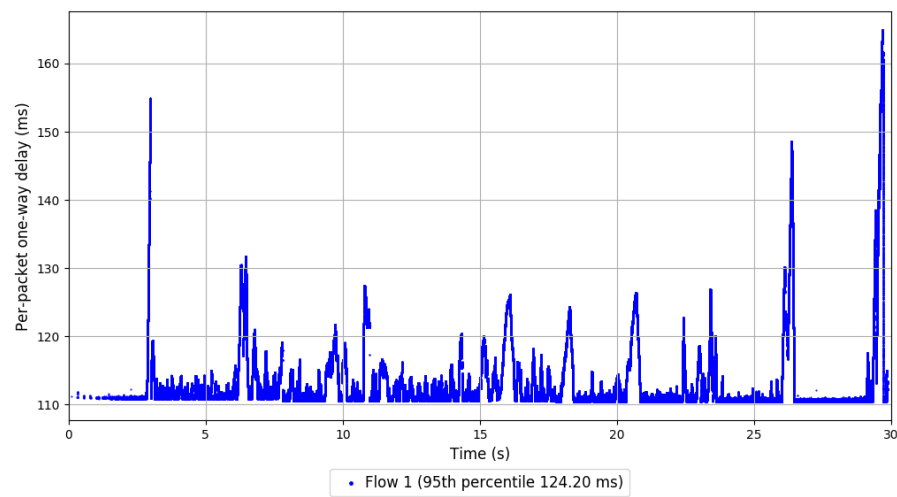
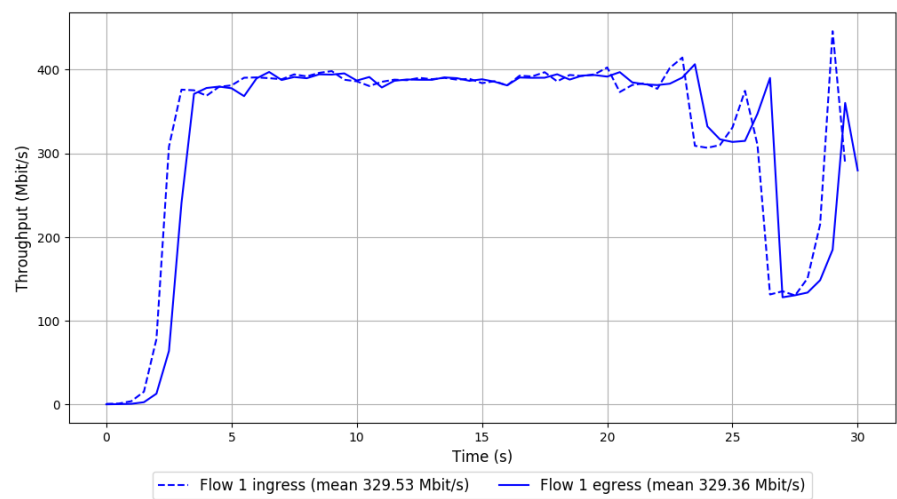


Run 7: Statistics of Copa

Start at: 2018-07-04 00:18:14
End at: 2018-07-04 00:18:44
Local clock offset: -0.244 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-07-04 02:06:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.36 Mbit/s
95th percentile per-packet one-way delay: 124.203 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 329.36 Mbit/s
95th percentile per-packet one-way delay: 124.203 ms
Loss rate: 0.79%

Run 7: Report of Copa — Data Link

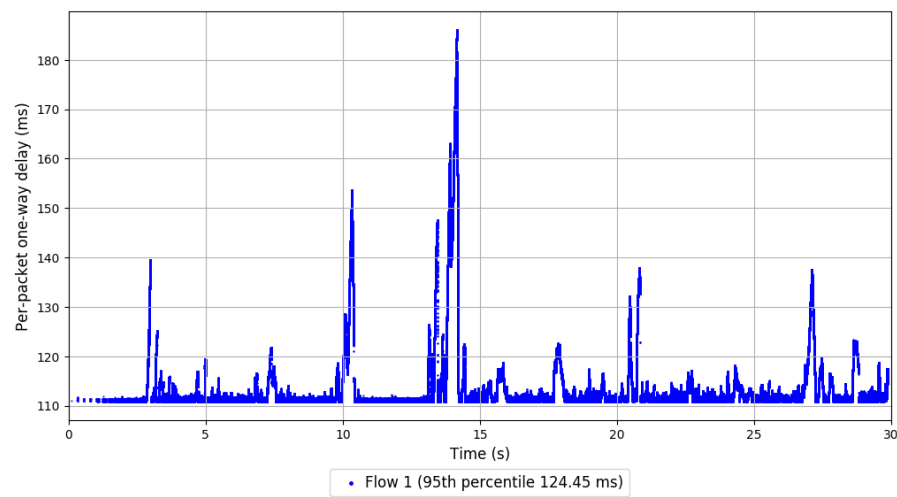
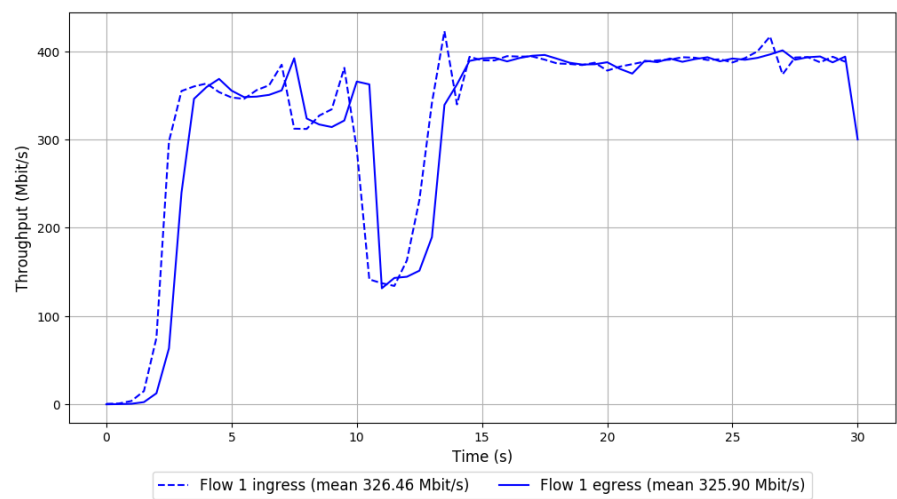


Run 8: Statistics of Copa

Start at: 2018-07-04 00:41:11
End at: 2018-07-04 00:41:41
Local clock offset: -0.095 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.90 Mbit/s
95th percentile per-packet one-way delay: 124.452 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 325.90 Mbit/s
95th percentile per-packet one-way delay: 124.452 ms
Loss rate: 0.91%

Run 8: Report of Copa — Data Link

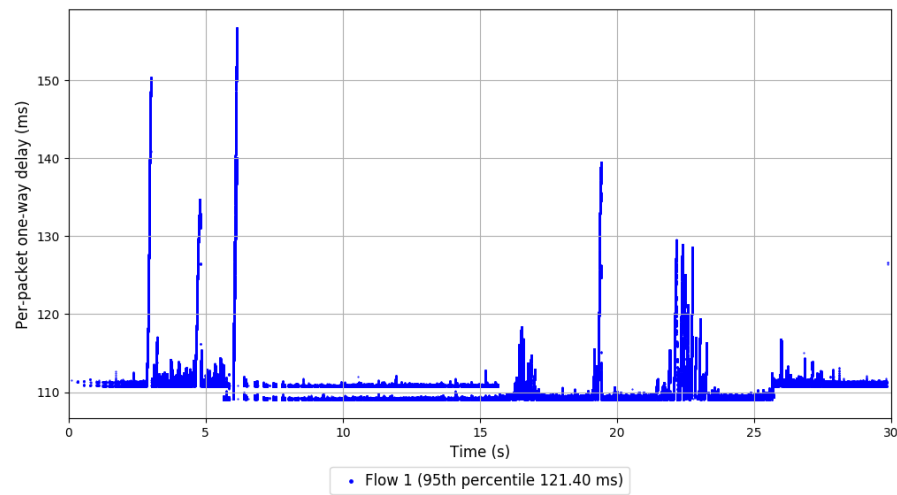
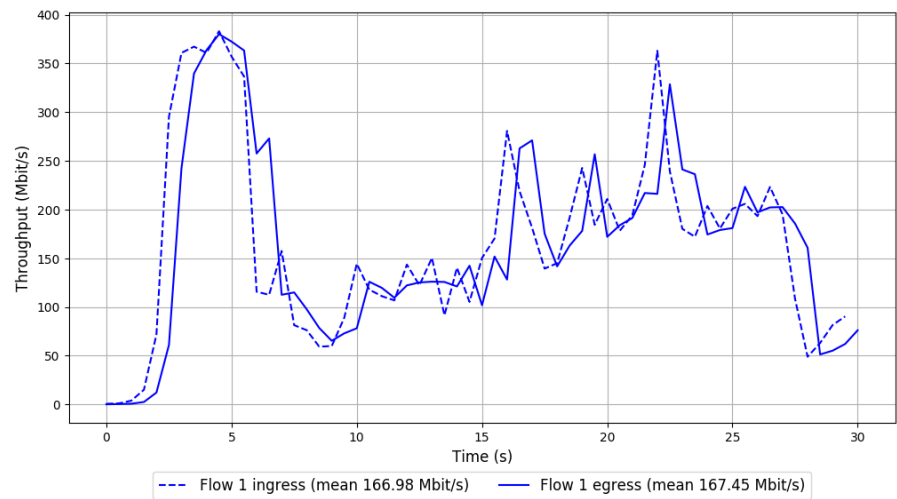


Run 9: Statistics of Copa

Start at: 2018-07-04 01:04:16
End at: 2018-07-04 01:04:46
Local clock offset: -0.204 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.45 Mbit/s
95th percentile per-packet one-way delay: 121.401 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 167.45 Mbit/s
95th percentile per-packet one-way delay: 121.401 ms
Loss rate: 0.47%

Run 9: Report of Copa — Data Link

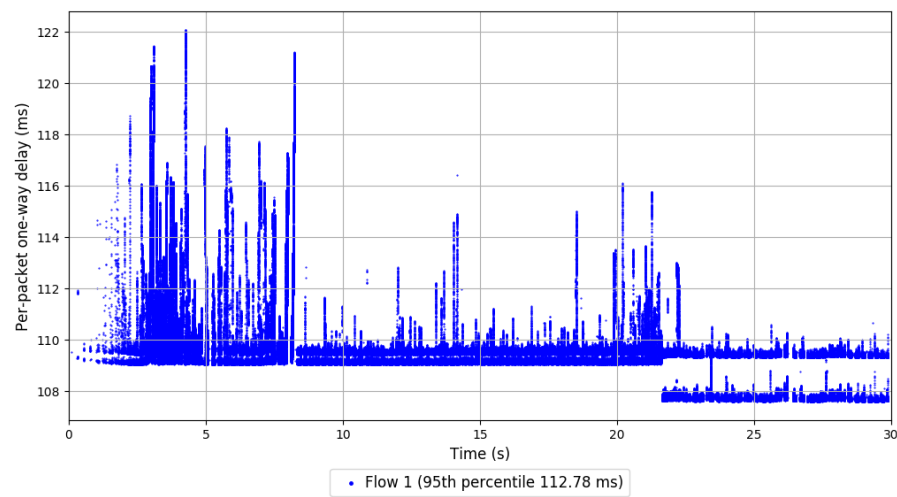
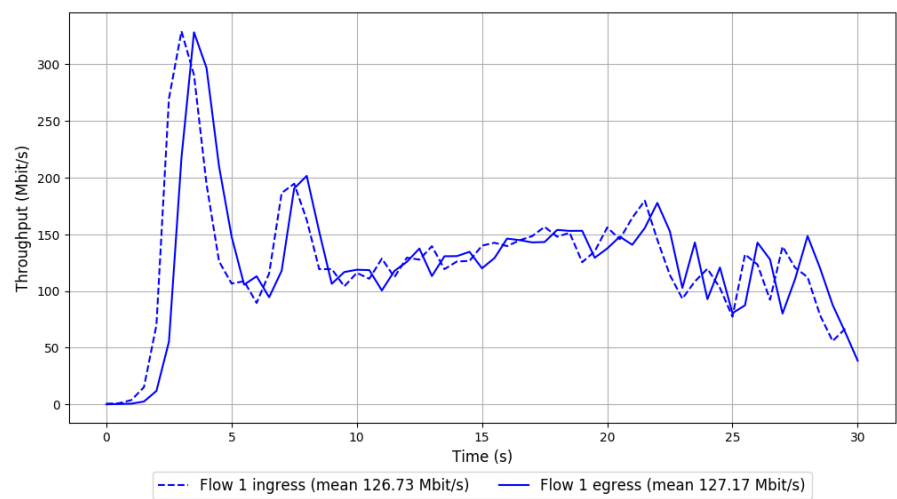


Run 10: Statistics of Copa

Start at: 2018-07-04 01:26:10
End at: 2018-07-04 01:26:40
Local clock offset: -1.487 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.17 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 127.17 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.40%

Run 10: Report of Copa — Data Link

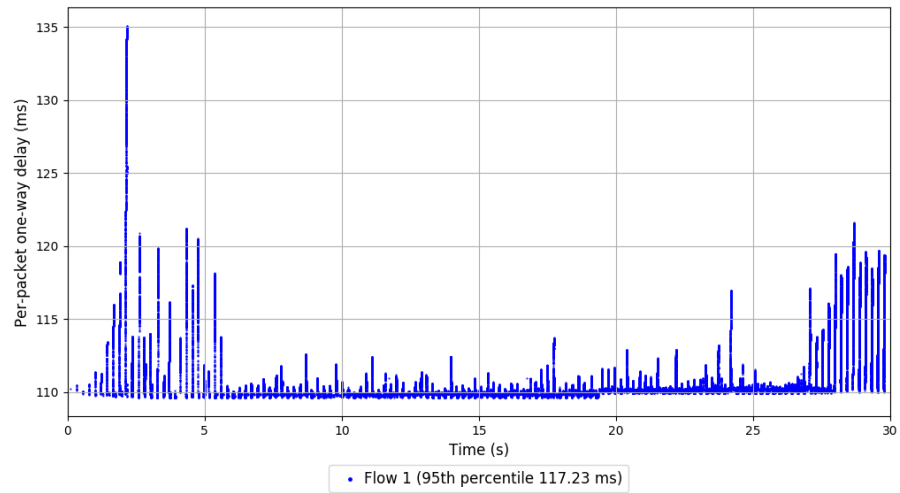
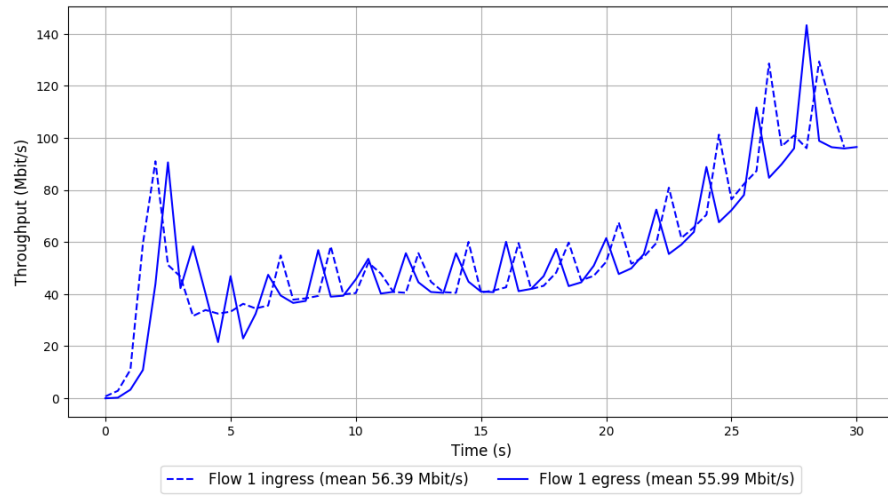


Run 1: Statistics of TCP Cubic

Start at: 2018-07-03 21:57:42
End at: 2018-07-03 21:58:12
Local clock offset: -1.197 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 117.229 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 117.229 ms
Loss rate: 1.43%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-03 22:20:31

End at: 2018-07-03 22:21:01

Local clock offset: -1.309 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-07-04 02:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.43 Mbit/s

95th percentile per-packet one-way delay: 117.214 ms

Loss rate: 0.89%

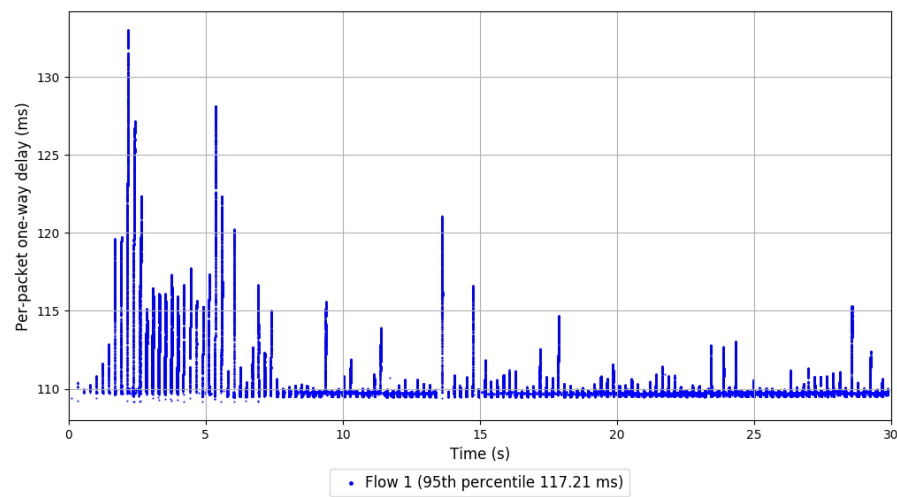
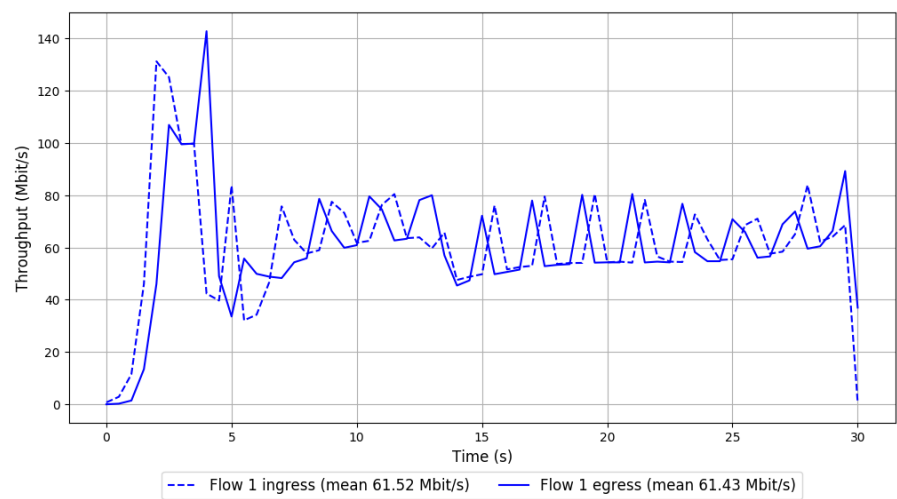
-- Flow 1:

Average throughput: 61.43 Mbit/s

95th percentile per-packet one-way delay: 117.214 ms

Loss rate: 0.89%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-03 22:43:34

End at: 2018-07-03 22:44:04

Local clock offset: -0.302 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-04 02:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.59 Mbit/s

95th percentile per-packet one-way delay: 122.303 ms

Loss rate: 0.80%

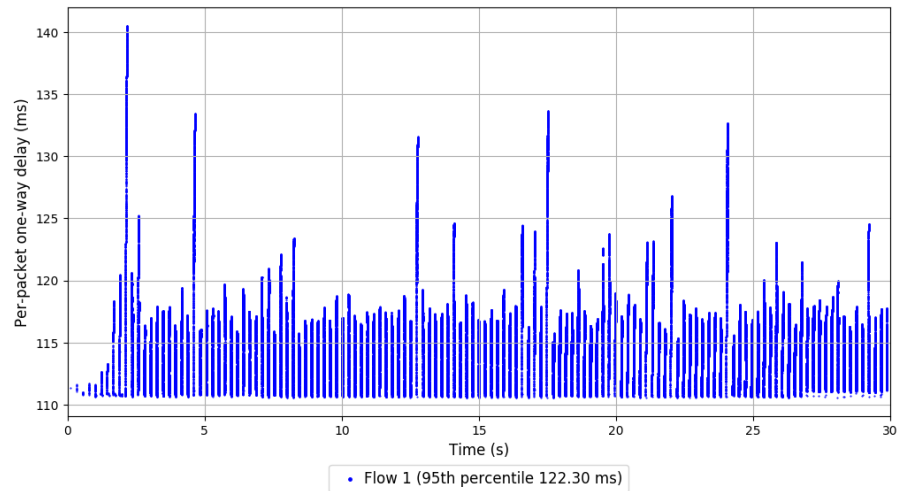
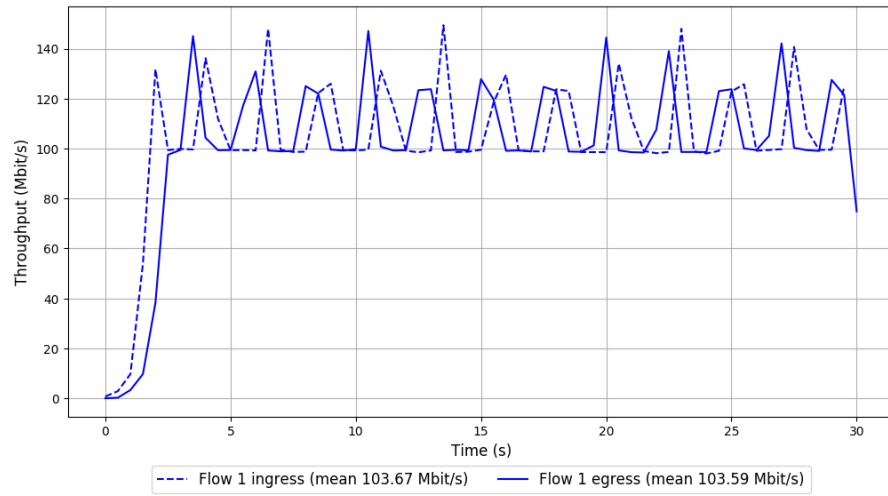
-- Flow 1:

Average throughput: 103.59 Mbit/s

95th percentile per-packet one-way delay: 122.303 ms

Loss rate: 0.80%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-03 23:06:47

End at: 2018-07-03 23:07:17

Local clock offset: -0.253 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-07-04 02:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 119.621 ms

Loss rate: 0.48%

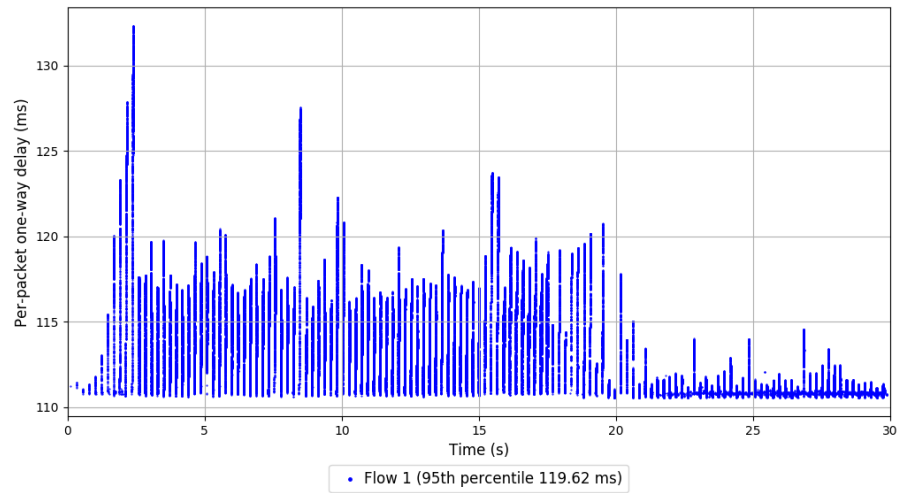
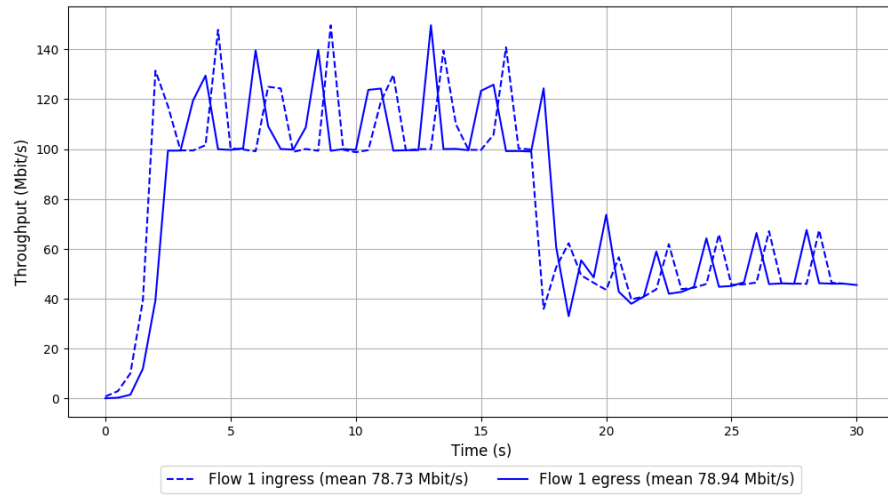
-- Flow 1:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 119.621 ms

Loss rate: 0.48%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-03 23:29:40

End at: 2018-07-03 23:30:10

Local clock offset: -0.053 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-07-04 02:06:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 119.899 ms

Loss rate: 0.56%

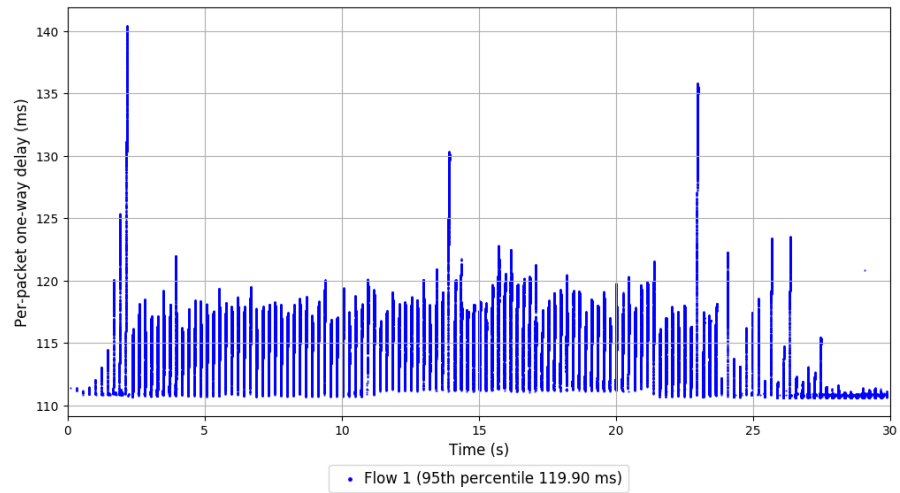
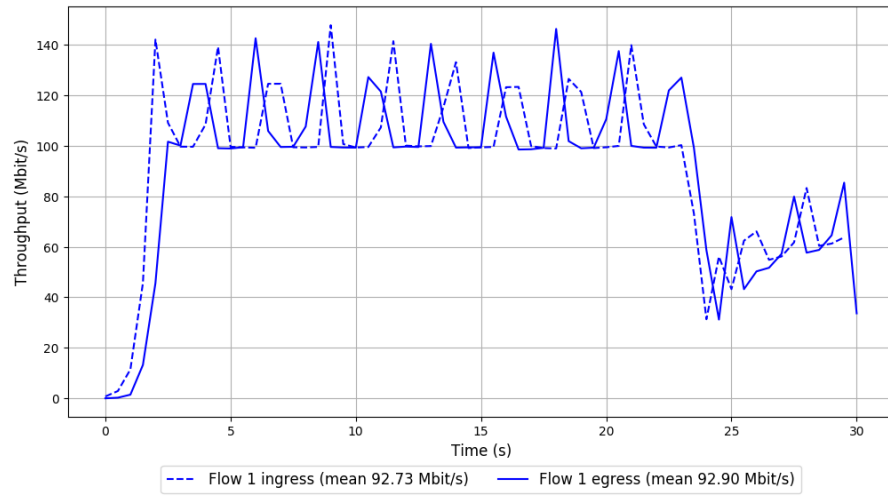
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 119.899 ms

Loss rate: 0.56%

Run 5: Report of TCP Cubic — Data Link

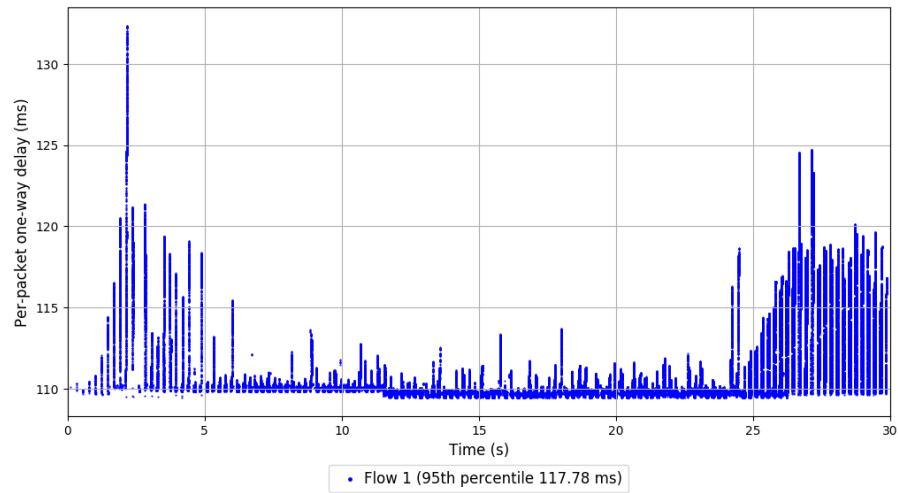
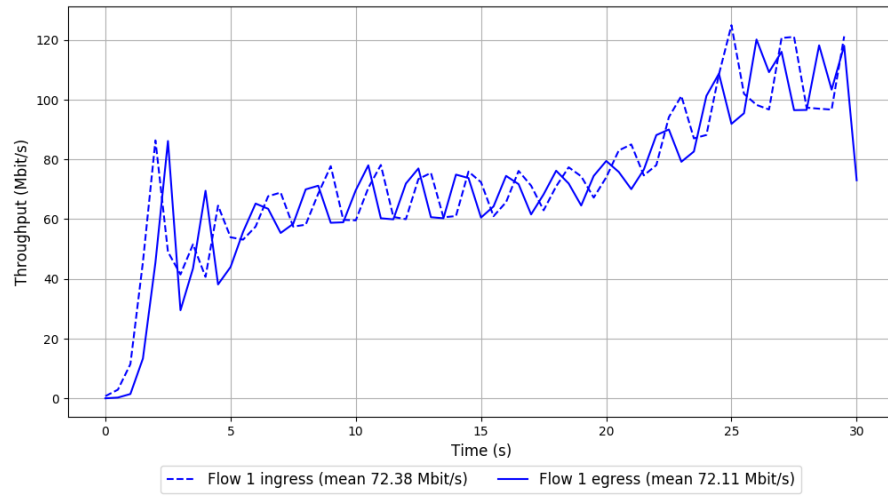


Run 6: Statistics of TCP Cubic

Start at: 2018-07-03 23:52:20
End at: 2018-07-03 23:52:50
Local clock offset: -1.364 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 117.777 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 117.777 ms
Loss rate: 1.11%

Run 6: Report of TCP Cubic — Data Link

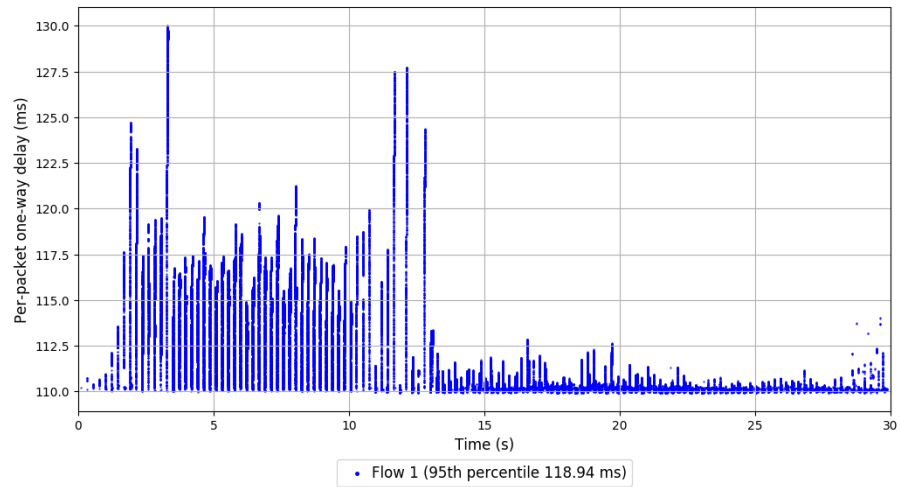
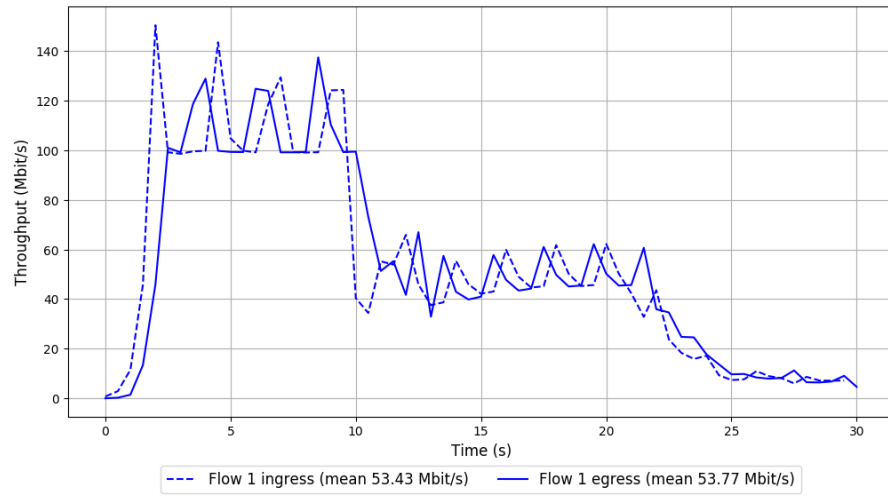


Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 00:14:31
End at: 2018-07-04 00:15:01
Local clock offset: -1.231 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 118.945 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 118.945 ms
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link

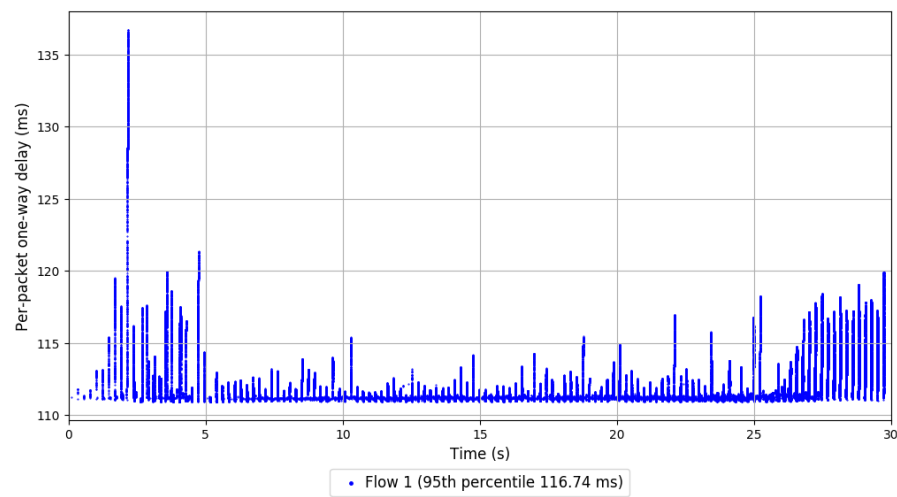
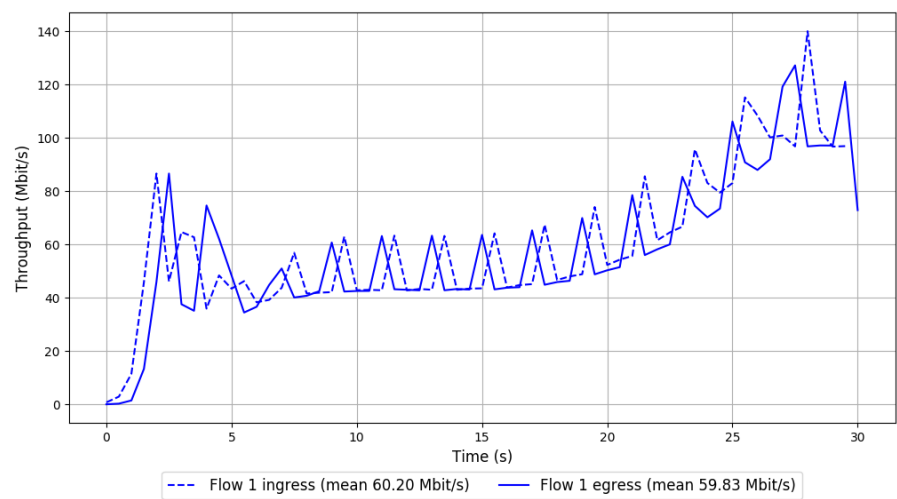


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 00:37:24
End at: 2018-07-04 00:37:54
Local clock offset: 0.129 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-07-04 02:06:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.83 Mbit/s
95th percentile per-packet one-way delay: 116.740 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 59.83 Mbit/s
95th percentile per-packet one-way delay: 116.740 ms
Loss rate: 1.34%

Run 8: Report of TCP Cubic — Data Link

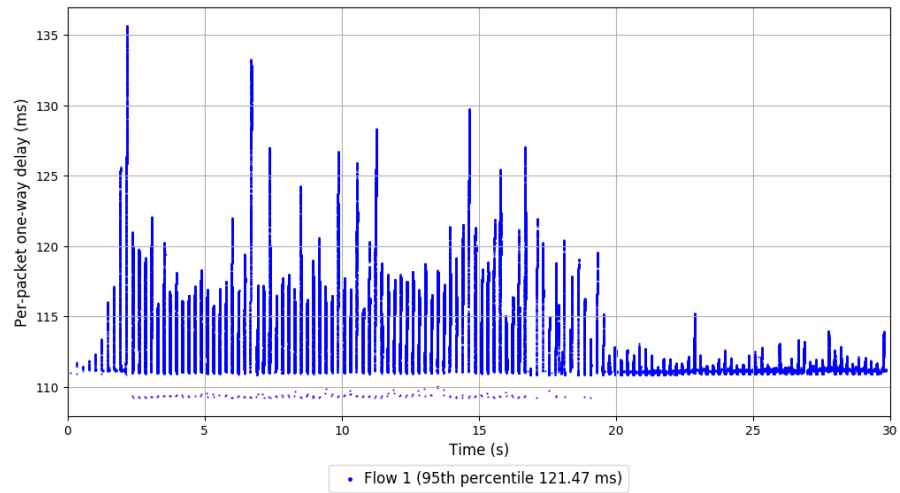
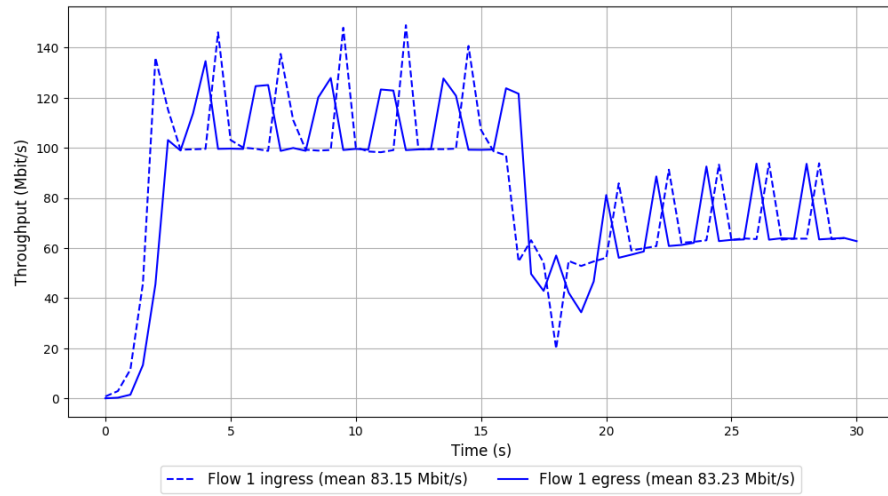


Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 01:00:29
End at: 2018-07-04 01:00:59
Local clock offset: -0.034 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-04 02:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 121.467 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 121.467 ms
Loss rate: 0.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 01:22:27

End at: 2018-07-04 01:22:57

Local clock offset: -0.198 ms

Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-07-04 02:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.81 Mbit/s

95th percentile per-packet one-way delay: 117.272 ms

Loss rate: 0.92%

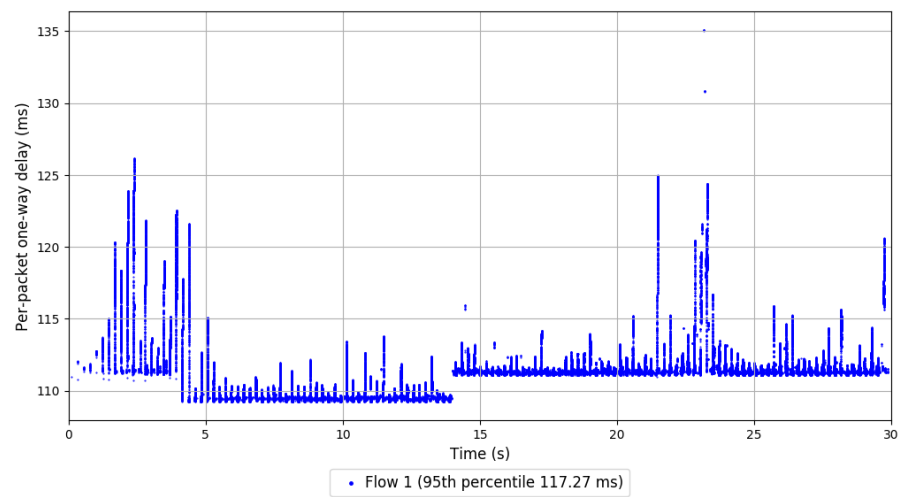
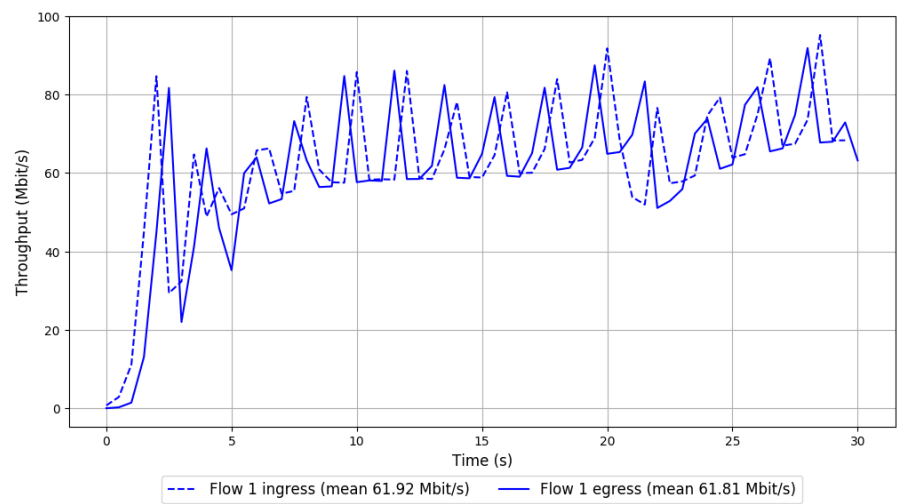
-- Flow 1:

Average throughput: 61.81 Mbit/s

95th percentile per-packet one-way delay: 117.272 ms

Loss rate: 0.92%

Run 10: Report of TCP Cubic — Data Link

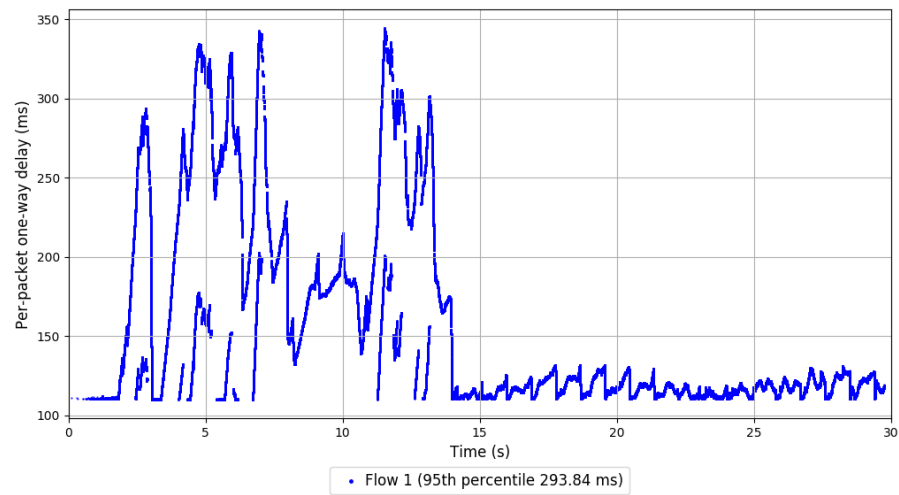
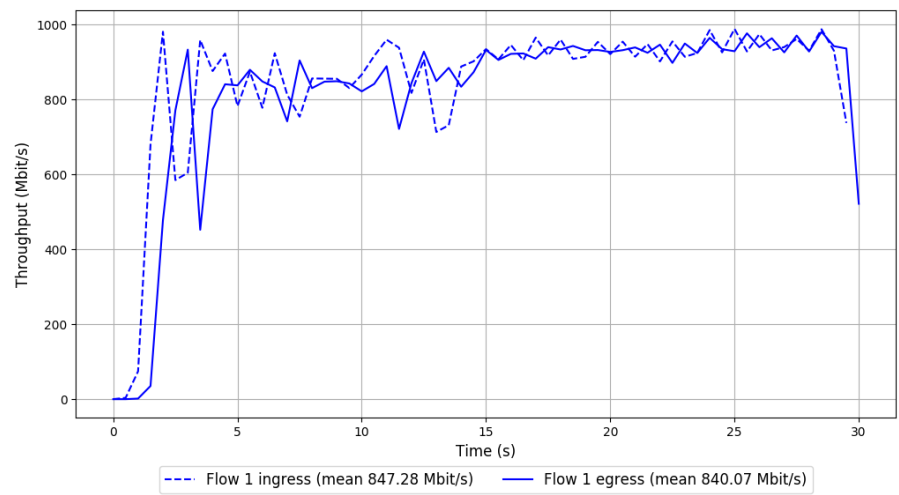


Run 1: Statistics of FillP

Start at: 2018-07-03 22:12:09
End at: 2018-07-03 22:12:39
Local clock offset: -0.351 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-04 02:21:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.07 Mbit/s
95th percentile per-packet one-way delay: 293.842 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 840.07 Mbit/s
95th percentile per-packet one-way delay: 293.842 ms
Loss rate: 1.59%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-03 22:35:22

End at: 2018-07-03 22:35:52

Local clock offset: -0.107 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-04 02:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 854.67 Mbit/s

95th percentile per-packet one-way delay: 247.348 ms

Loss rate: 2.38%

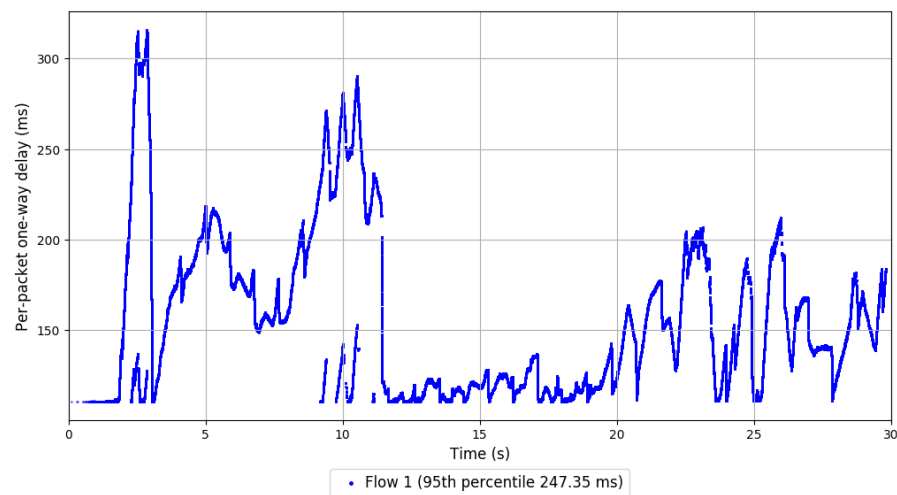
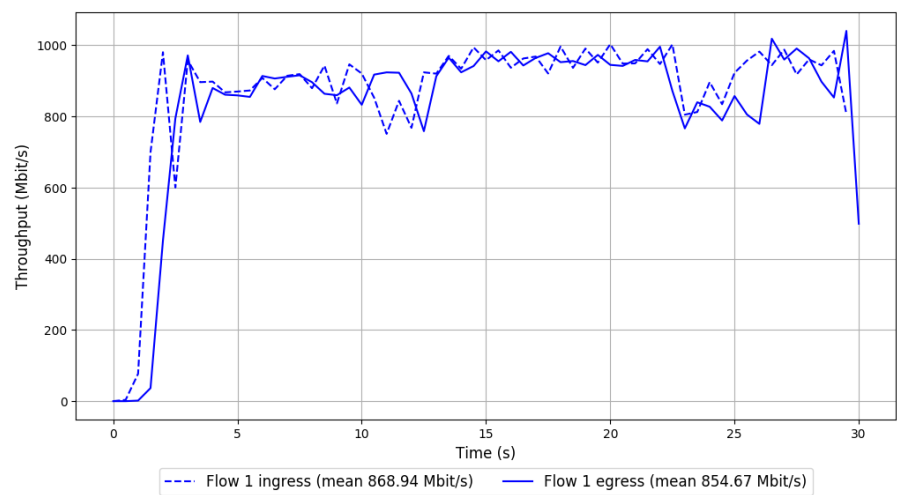
-- Flow 1:

Average throughput: 854.67 Mbit/s

95th percentile per-packet one-way delay: 247.348 ms

Loss rate: 2.38%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-03 22:58:27

End at: 2018-07-03 22:58:57

Local clock offset: -0.036 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-07-04 02:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 728.64 Mbit/s

95th percentile per-packet one-way delay: 331.488 ms

Loss rate: 5.27%

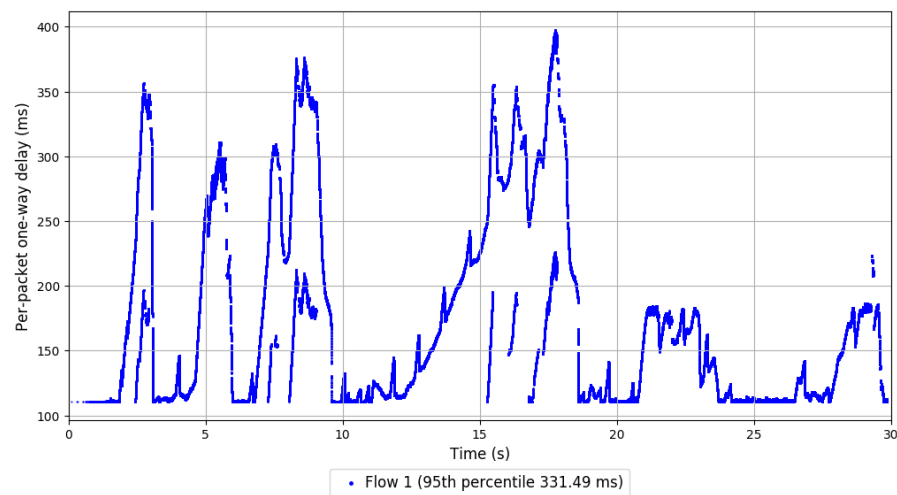
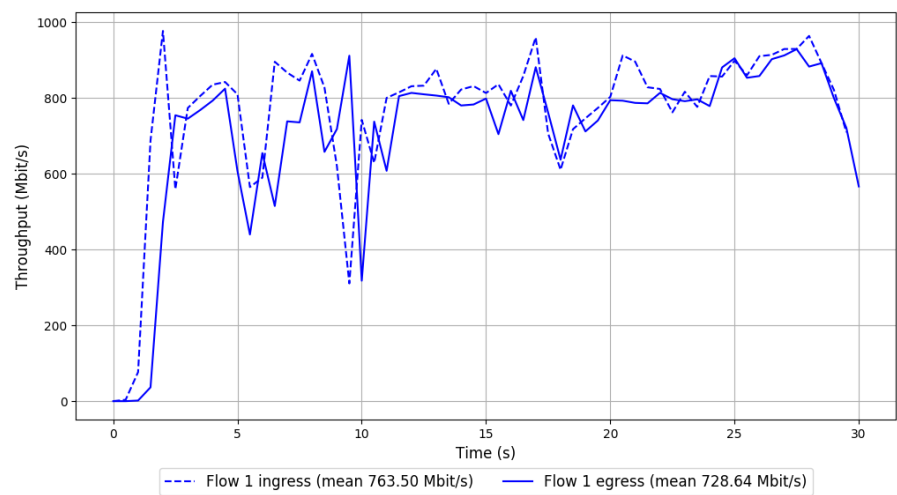
-- Flow 1:

Average throughput: 728.64 Mbit/s

95th percentile per-packet one-way delay: 331.488 ms

Loss rate: 5.27%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-03 23:21:28

End at: 2018-07-03 23:21:58

Local clock offset: 0.197 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-07-04 02:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 830.53 Mbit/s

95th percentile per-packet one-way delay: 226.847 ms

Loss rate: 1.91%

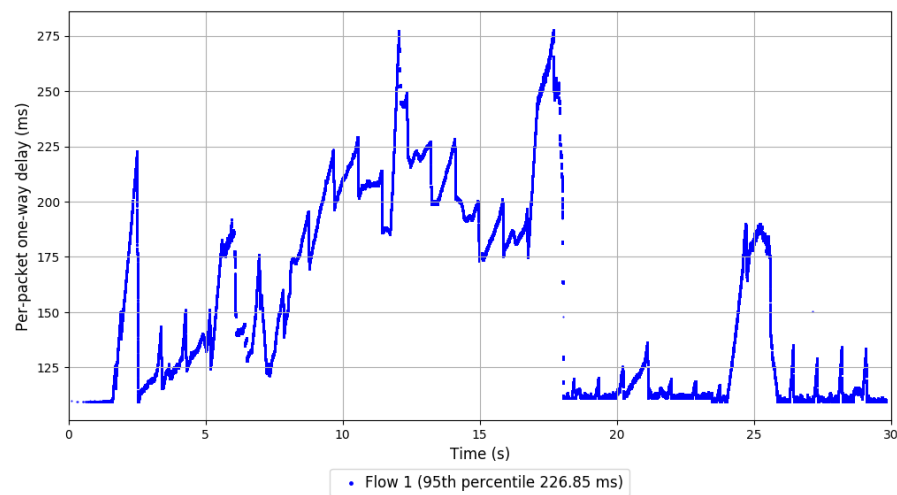
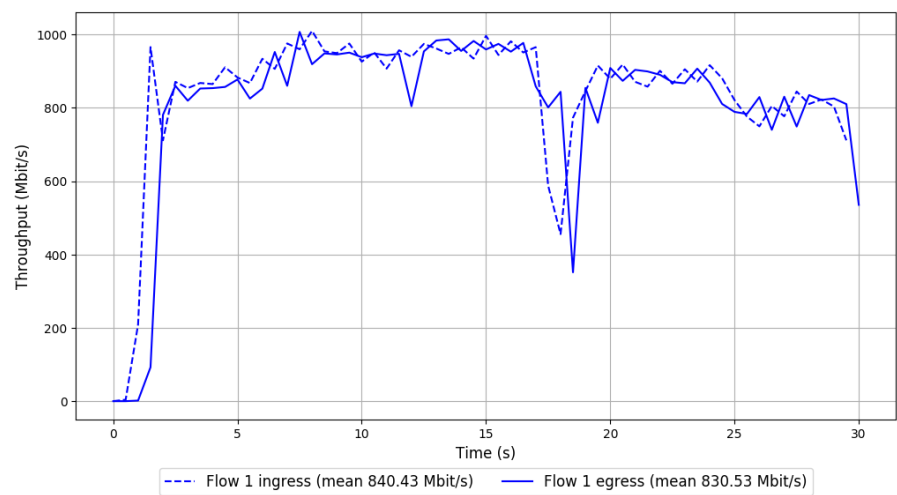
-- Flow 1:

Average throughput: 830.53 Mbit/s

95th percentile per-packet one-way delay: 226.847 ms

Loss rate: 1.91%

Run 4: Report of FillP — Data Link

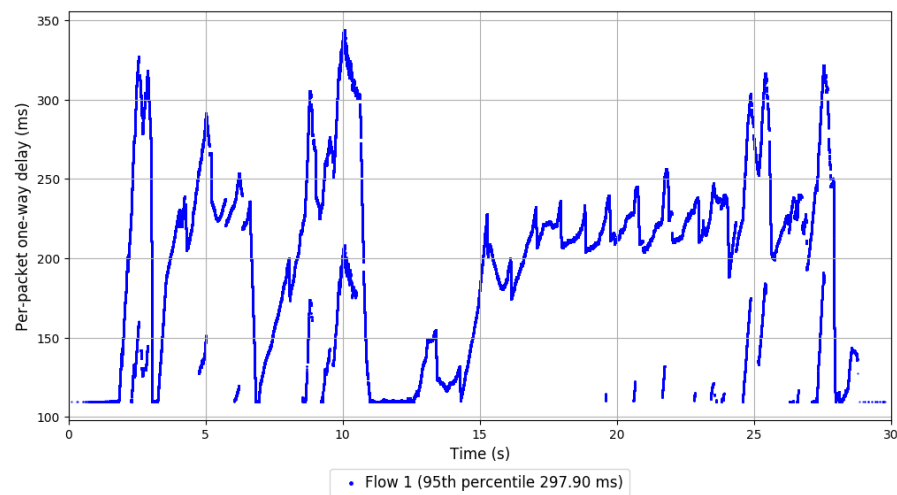
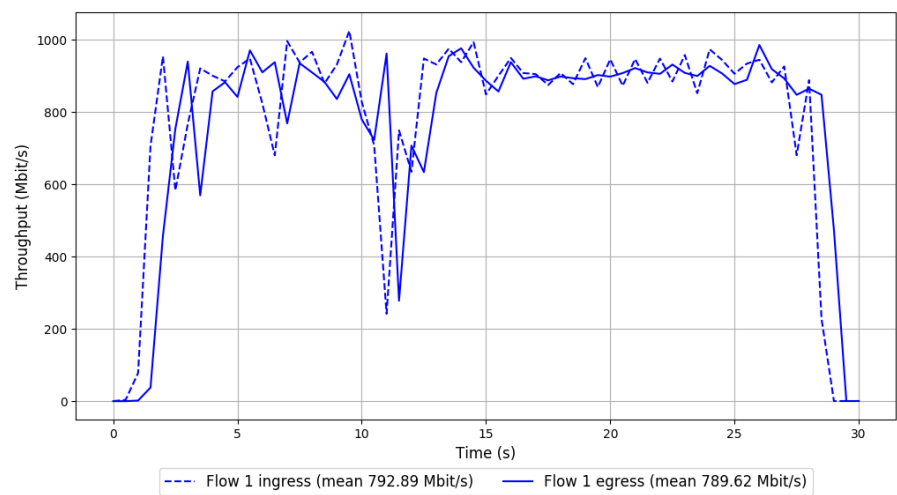


Run 5: Statistics of FillP

Start at: 2018-07-03 23:43:58
End at: 2018-07-03 23:44:28
Local clock offset: -1.451 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-07-04 02:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.62 Mbit/s
95th percentile per-packet one-way delay: 297.902 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 789.62 Mbit/s
95th percentile per-packet one-way delay: 297.902 ms
Loss rate: 1.26%

Run 5: Report of FillP — Data Link

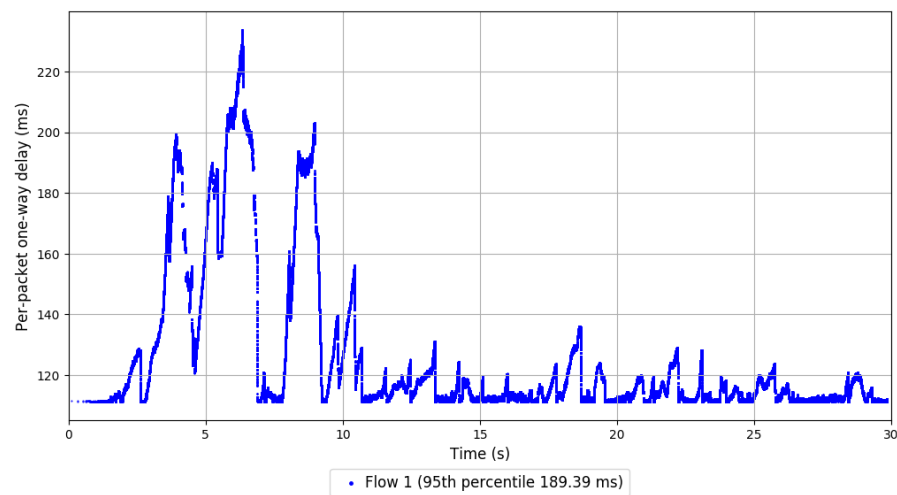
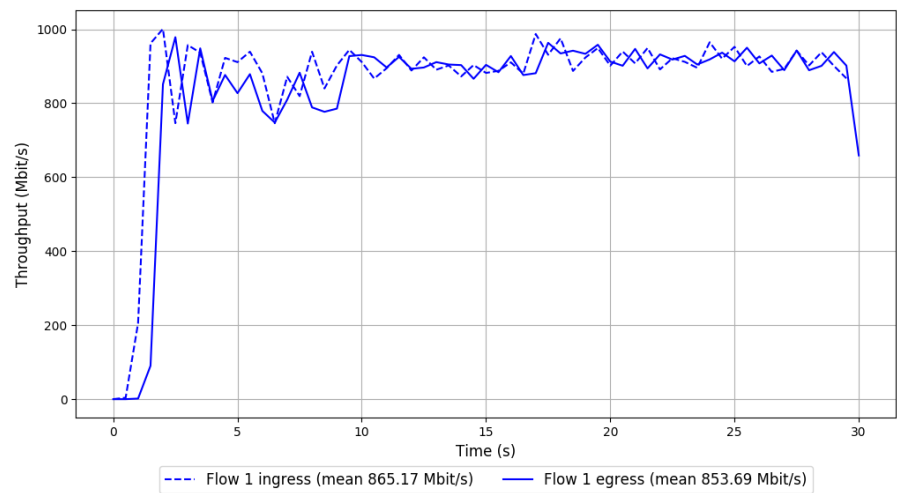


Run 6: Statistics of FillP

Start at: 2018-07-04 00:06:23
End at: 2018-07-04 00:06:53
Local clock offset: 0.103 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-04 02:22:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 853.69 Mbit/s
95th percentile per-packet one-way delay: 189.386 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 853.69 Mbit/s
95th percentile per-packet one-way delay: 189.386 ms
Loss rate: 2.06%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-04 00:29:03

End at: 2018-07-04 00:29:33

Local clock offset: -1.431 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-07-04 02:22:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 821.73 Mbit/s

95th percentile per-packet one-way delay: 284.644 ms

Loss rate: 3.78%

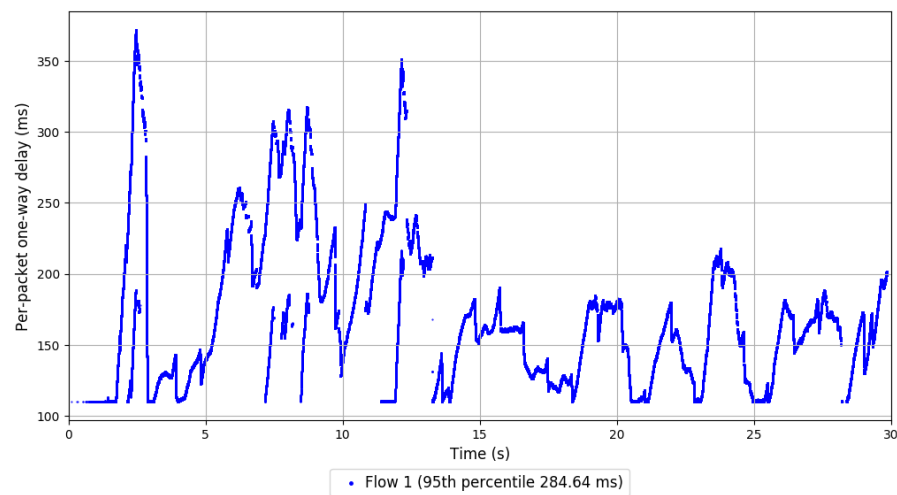
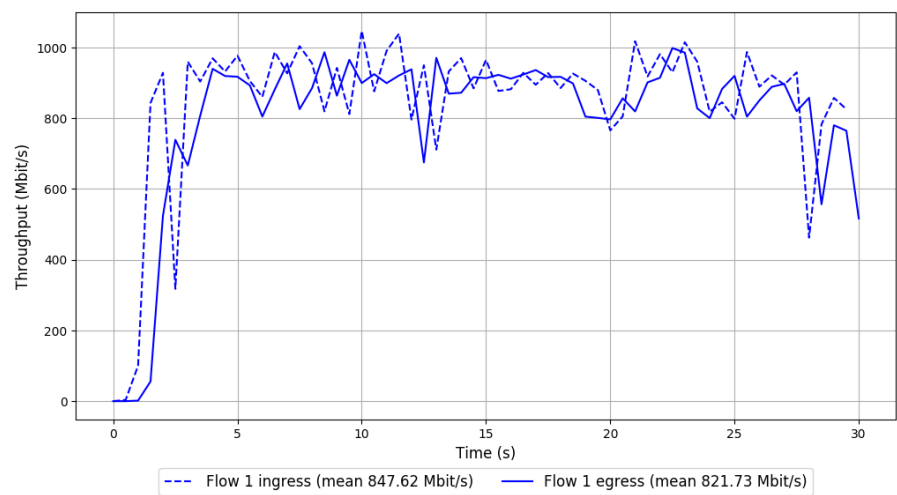
-- Flow 1:

Average throughput: 821.73 Mbit/s

95th percentile per-packet one-way delay: 284.644 ms

Loss rate: 3.78%

Run 7: Report of FillP — Data Link

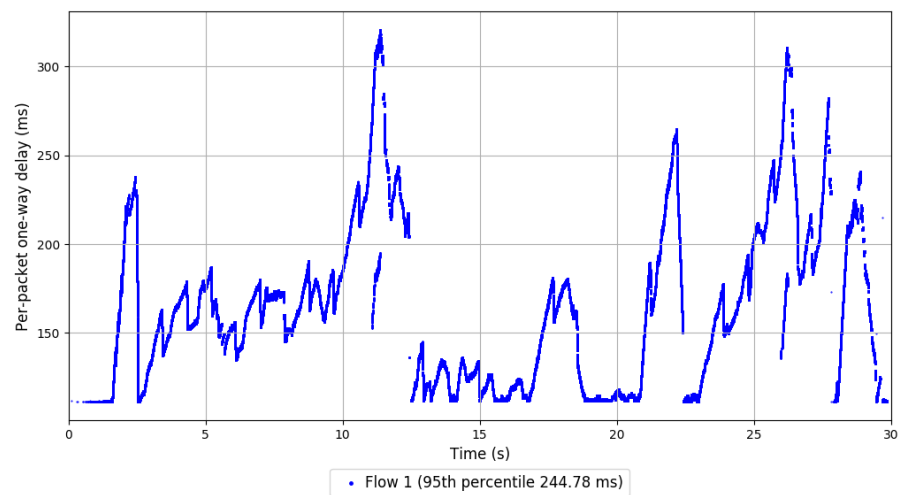
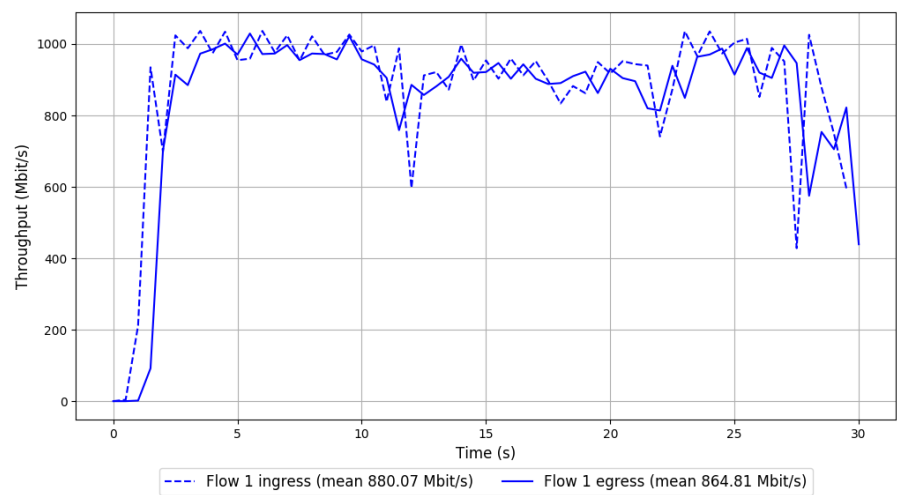


Run 8: Statistics of FillP

Start at: 2018-07-04 00:52:09
End at: 2018-07-04 00:52:39
Local clock offset: 0.26 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-07-04 02:23:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 864.81 Mbit/s
95th percentile per-packet one-way delay: 244.778 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 864.81 Mbit/s
95th percentile per-packet one-way delay: 244.778 ms
Loss rate: 2.47%

Run 8: Report of FillP — Data Link

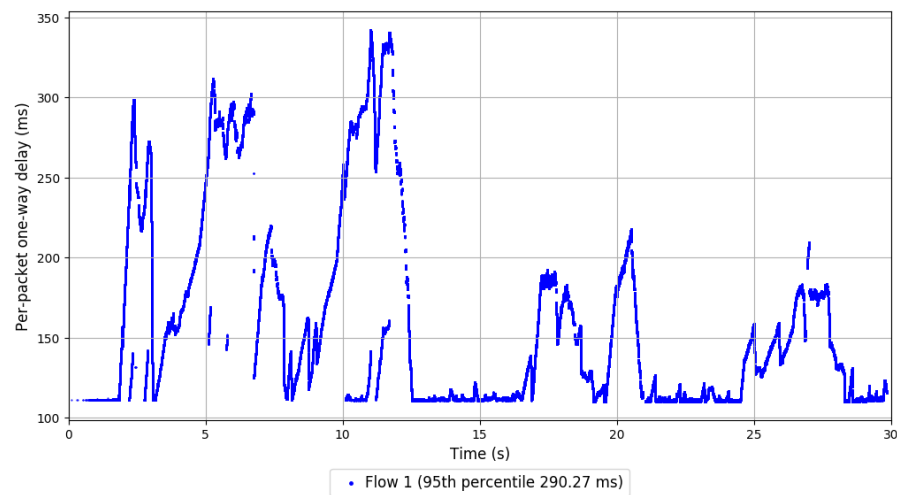
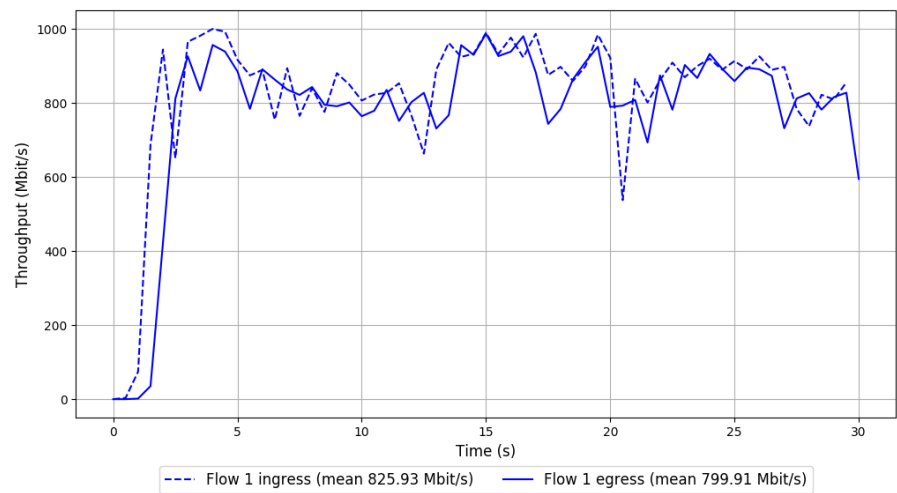


Run 9: Statistics of FillP

Start at: 2018-07-04 01:14:12
End at: 2018-07-04 01:14:42
Local clock offset: -0.177 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-07-04 02:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 799.91 Mbit/s
95th percentile per-packet one-way delay: 290.266 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 799.91 Mbit/s
95th percentile per-packet one-way delay: 290.266 ms
Loss rate: 3.87%

Run 9: Report of FillP — Data Link

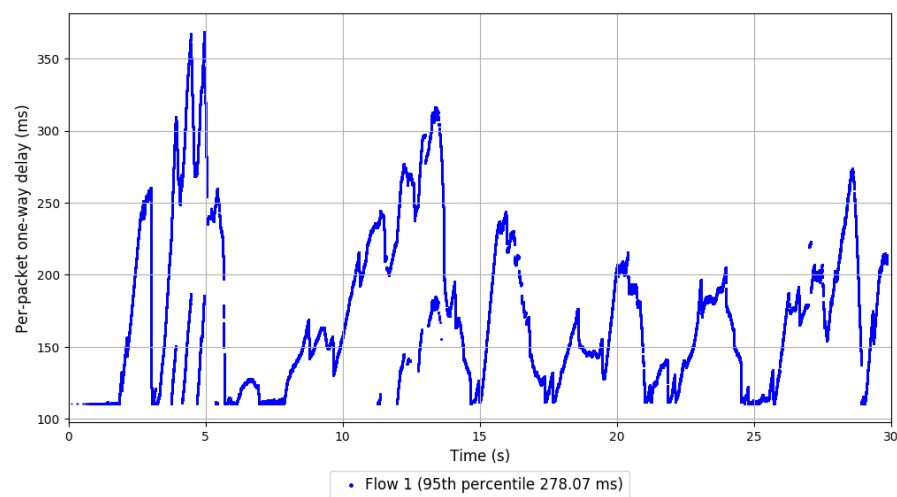
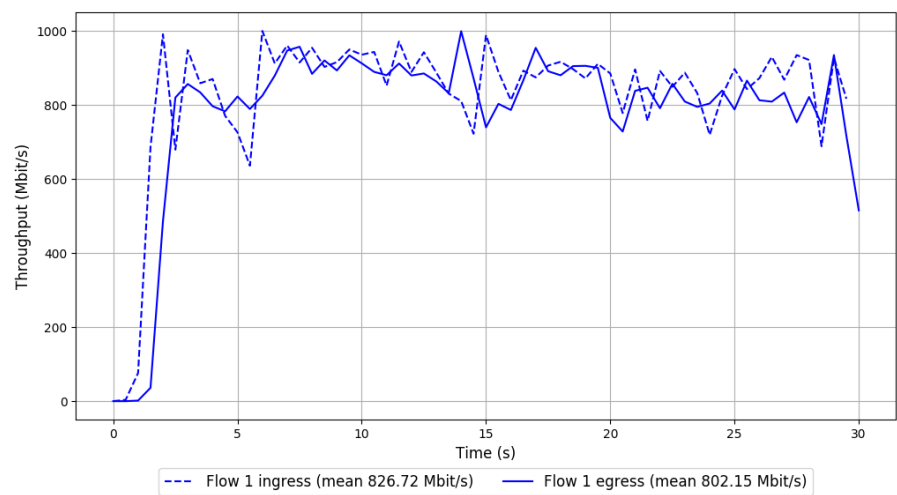


Run 10: Statistics of FillP

Start at: 2018-07-04 01:36:37
End at: 2018-07-04 01:37:07
Local clock offset: -0.424 ms
Remote clock offset: -0.368 ms

Below is generated by plot.py at 2018-07-04 02:35:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 802.15 Mbit/s
95th percentile per-packet one-way delay: 278.073 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 802.15 Mbit/s
95th percentile per-packet one-way delay: 278.073 ms
Loss rate: 3.69%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-03 22:05:16

End at: 2018-07-03 22:05:46

Local clock offset: -1.116 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-04 02:35:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.38 Mbit/s

95th percentile per-packet one-way delay: 311.968 ms

Loss rate: 9.66%

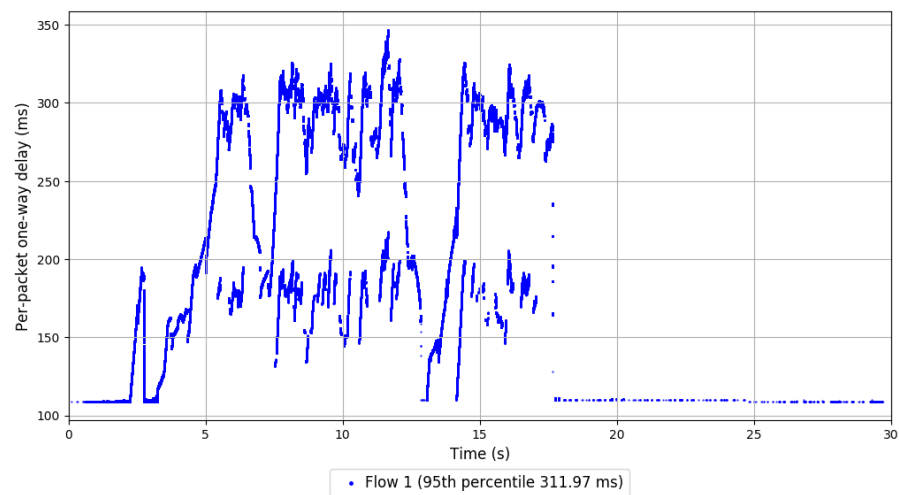
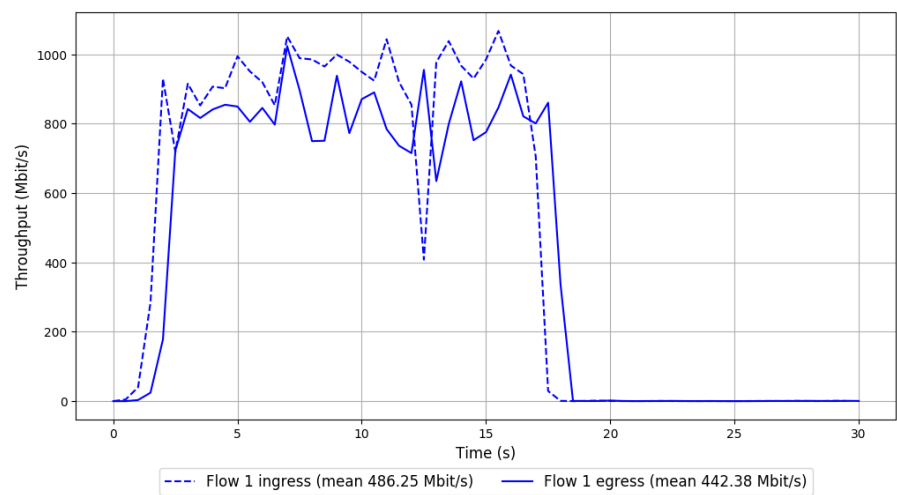
-- Flow 1:

Average throughput: 442.38 Mbit/s

95th percentile per-packet one-way delay: 311.968 ms

Loss rate: 9.66%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-03 22:28:10

End at: 2018-07-03 22:28:40

Local clock offset: -0.253 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-04 02:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 848.21 Mbit/s

95th percentile per-packet one-way delay: 291.815 ms

Loss rate: 2.98%

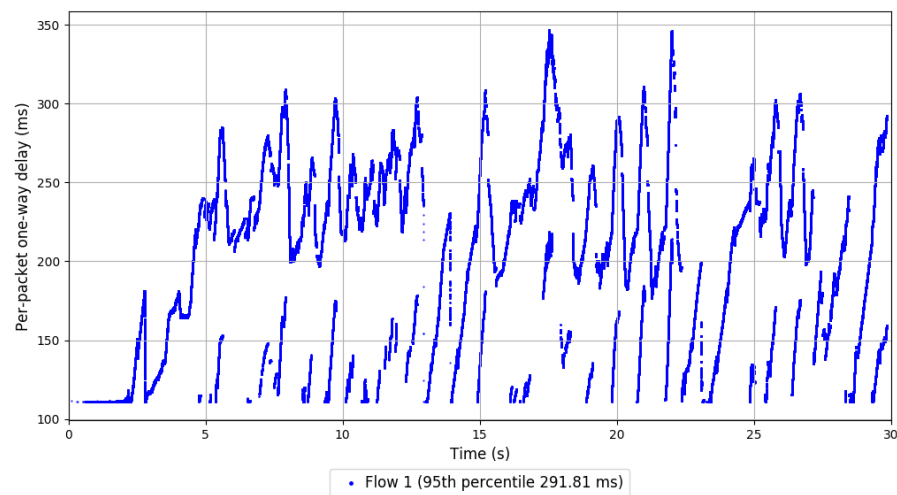
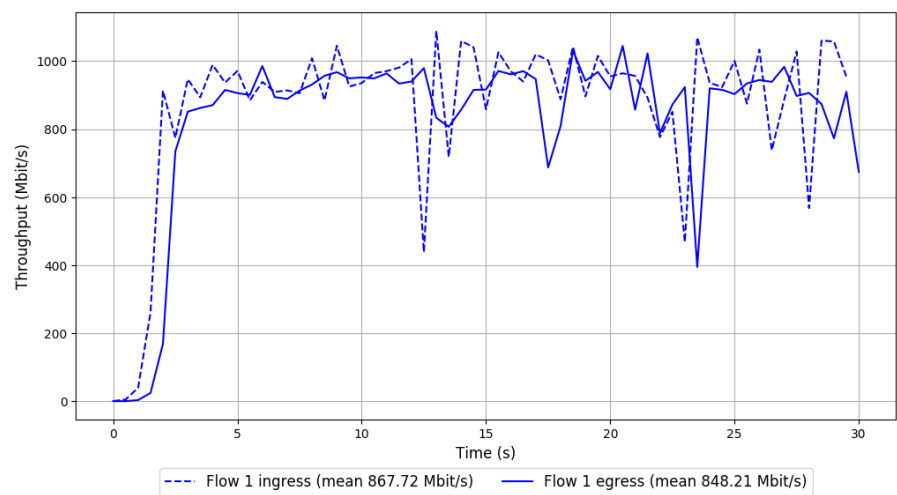
-- Flow 1:

Average throughput: 848.21 Mbit/s

95th percentile per-packet one-way delay: 291.815 ms

Loss rate: 2.98%

Run 2: Report of FillP-Sheep — Data Link

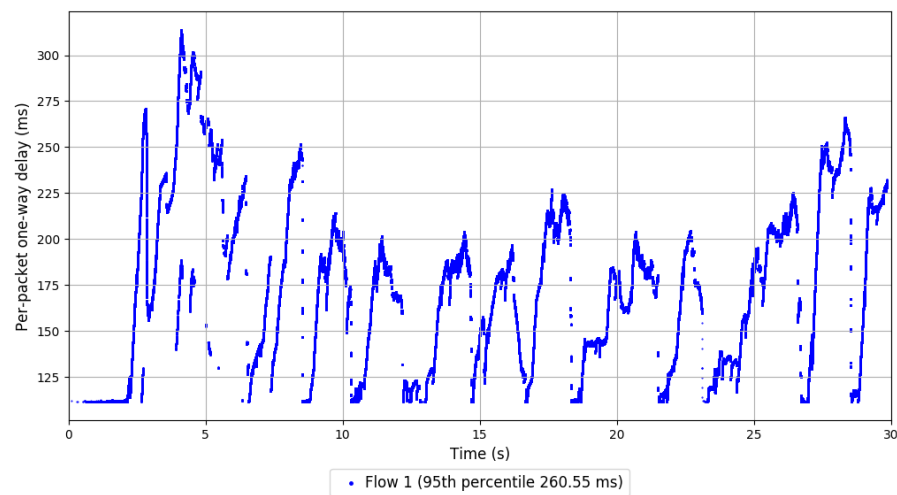
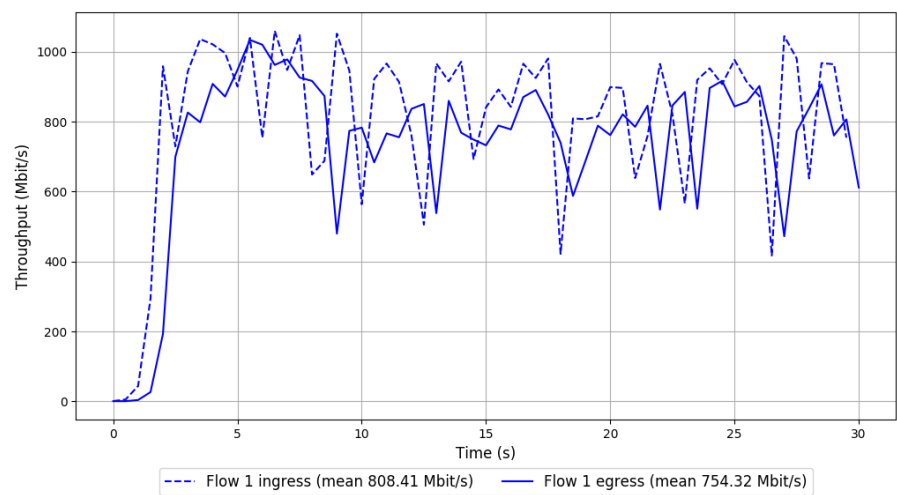


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-03 22:51:23
End at: 2018-07-03 22:51:53
Local clock offset: -0.211 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-04 02:37:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 754.32 Mbit/s
95th percentile per-packet one-way delay: 260.551 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 754.32 Mbit/s
95th percentile per-packet one-way delay: 260.551 ms
Loss rate: 7.35%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-03 23:14:22

End at: 2018-07-03 23:14:52

Local clock offset: -0.05 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-07-04 02:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 755.93 Mbit/s

95th percentile per-packet one-way delay: 341.867 ms

Loss rate: 8.47%

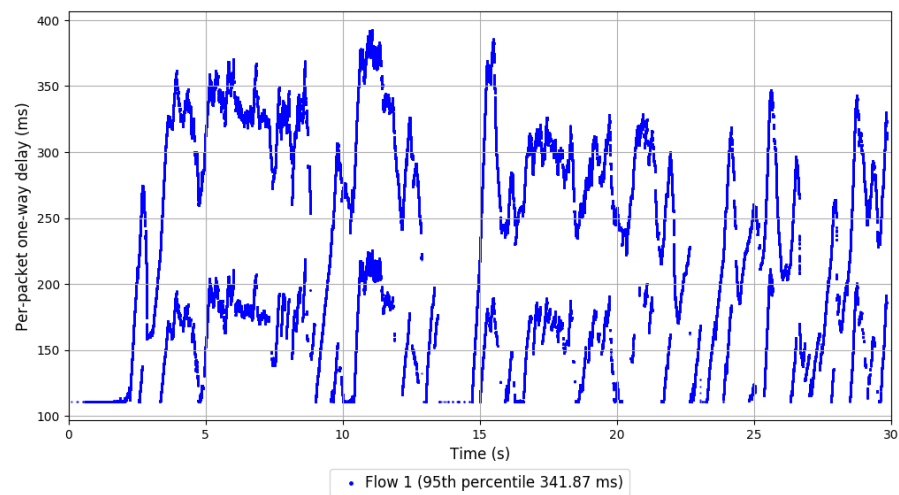
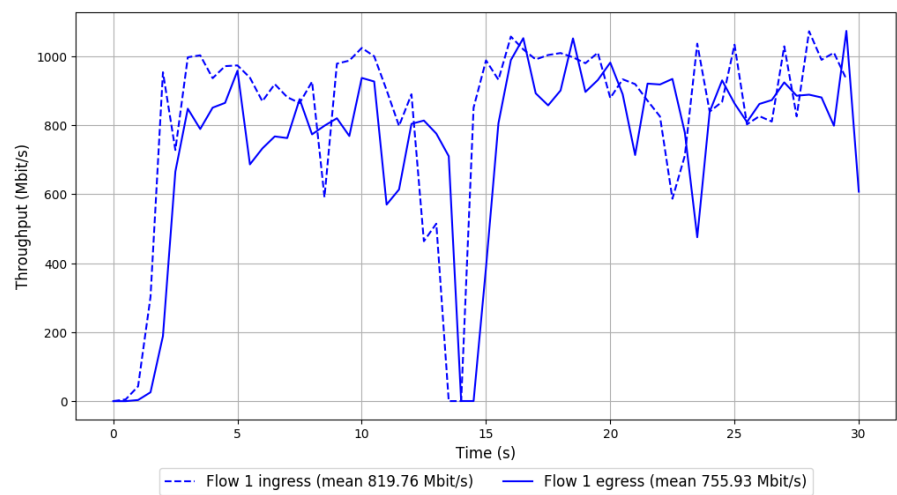
-- Flow 1:

Average throughput: 755.93 Mbit/s

95th percentile per-packet one-way delay: 341.867 ms

Loss rate: 8.47%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-03 23:37:19

End at: 2018-07-03 23:37:49

Local clock offset: 1.372 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-04 02:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.72 Mbit/s

95th percentile per-packet one-way delay: 313.776 ms

Loss rate: 2.19%

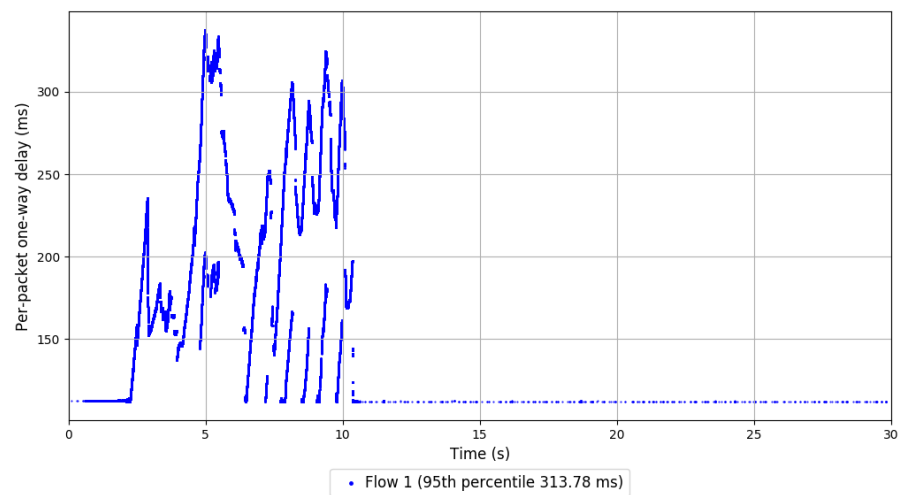
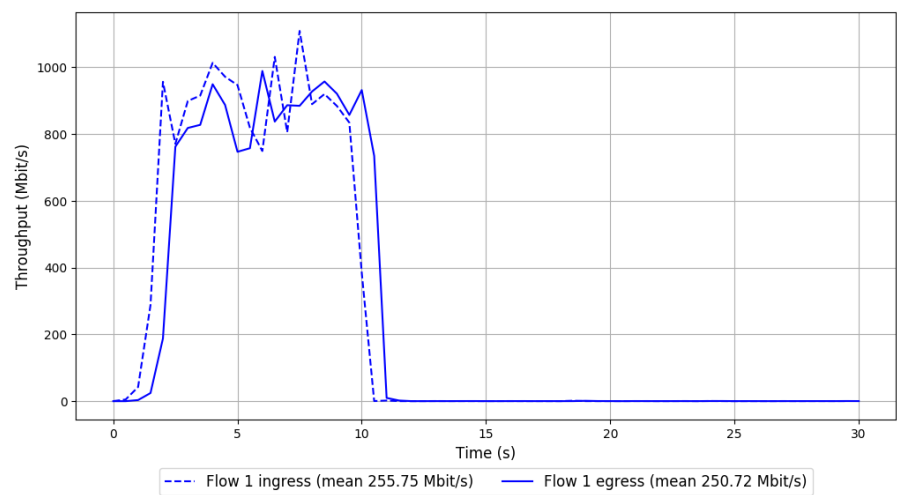
-- Flow 1:

Average throughput: 250.72 Mbit/s

95th percentile per-packet one-way delay: 313.776 ms

Loss rate: 2.19%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 00:00:02

End at: 2018-07-04 00:00:32

Local clock offset: 0.107 ms

Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-04 02:37:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.67 Mbit/s

95th percentile per-packet one-way delay: 367.163 ms

Loss rate: 12.33%

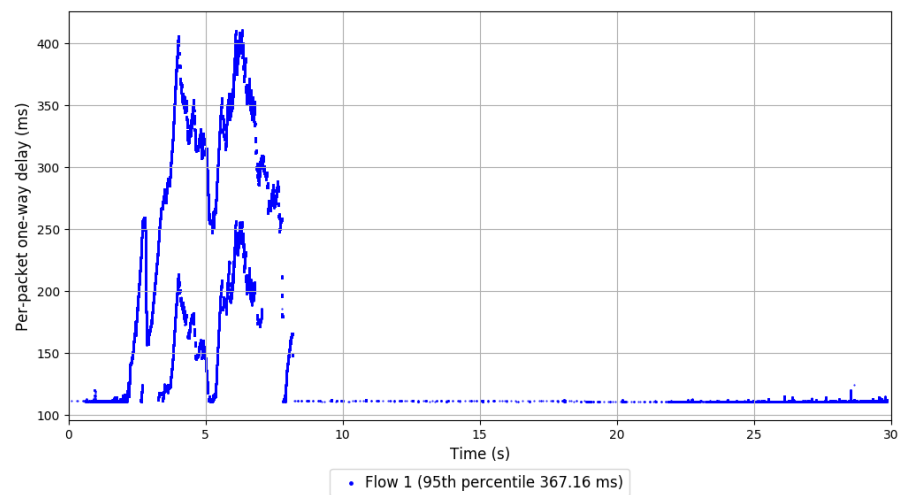
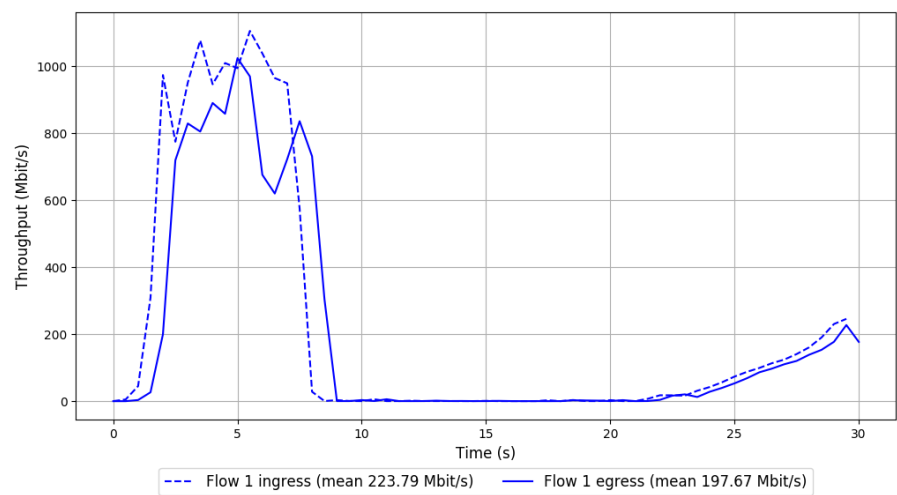
-- Flow 1:

Average throughput: 197.67 Mbit/s

95th percentile per-packet one-way delay: 367.163 ms

Loss rate: 12.33%

Run 6: Report of FillP-Sheep — Data Link

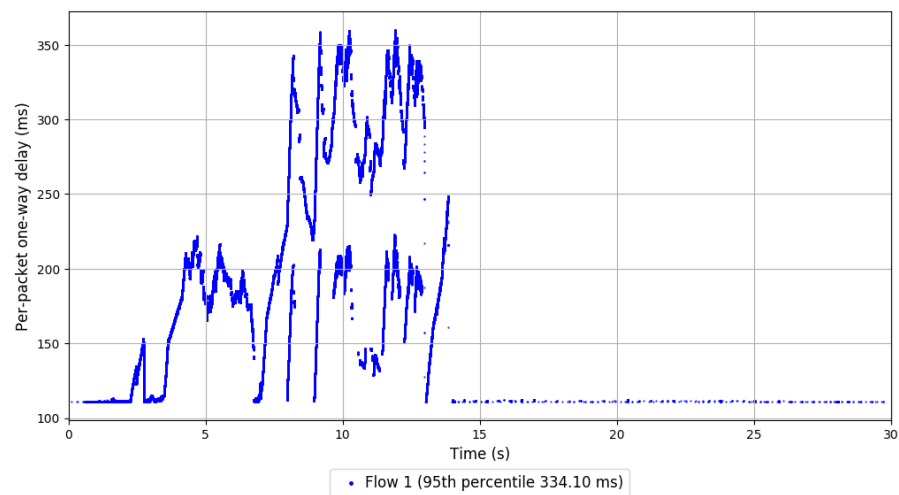
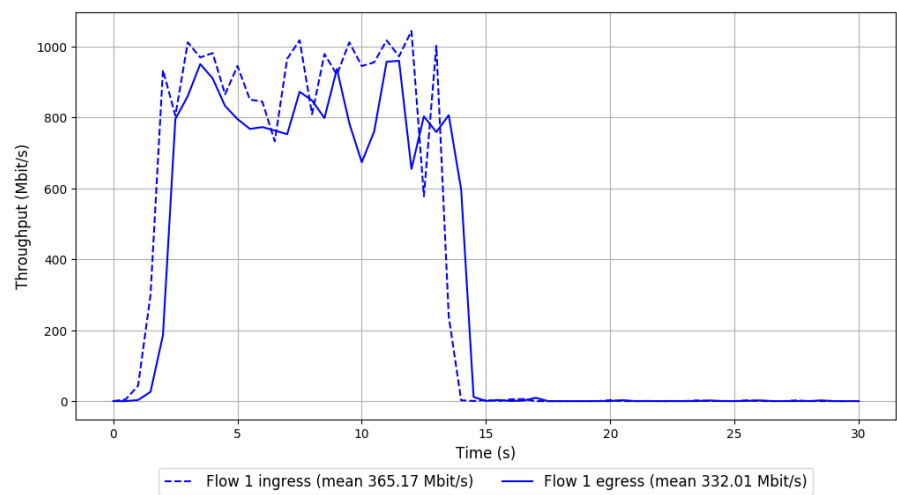


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 00:22:16
End at: 2018-07-04 00:22:46
Local clock offset: 0.205 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-04 02:37:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.01 Mbit/s
95th percentile per-packet one-way delay: 334.095 ms
Loss rate: 9.69%
-- Flow 1:
Average throughput: 332.01 Mbit/s
95th percentile per-packet one-way delay: 334.095 ms
Loss rate: 9.69%

Run 7: Report of FillP-Sheep — Data Link

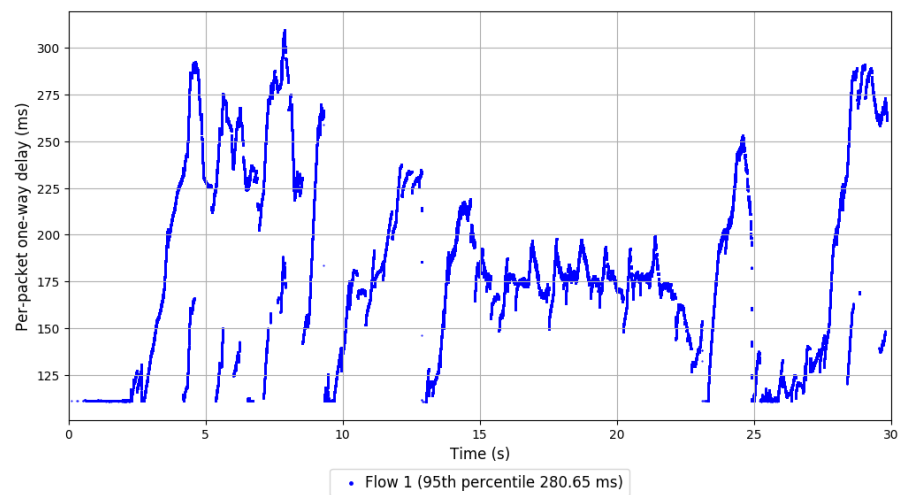
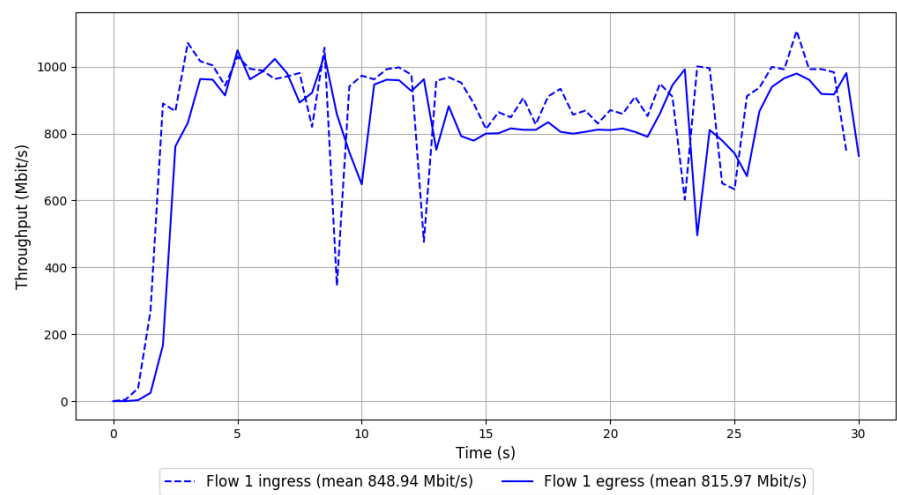


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 00:45:09
End at: 2018-07-04 00:45:39
Local clock offset: -0.403 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-07-04 02:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 815.97 Mbit/s
95th percentile per-packet one-way delay: 280.646 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 815.97 Mbit/s
95th percentile per-packet one-way delay: 280.646 ms
Loss rate: 4.60%

Run 8: Report of FillP-Sheep — Data Link

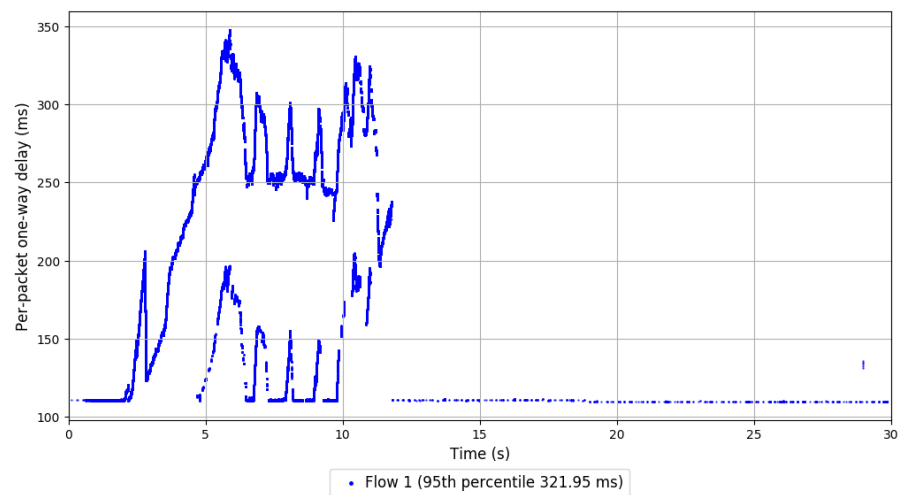
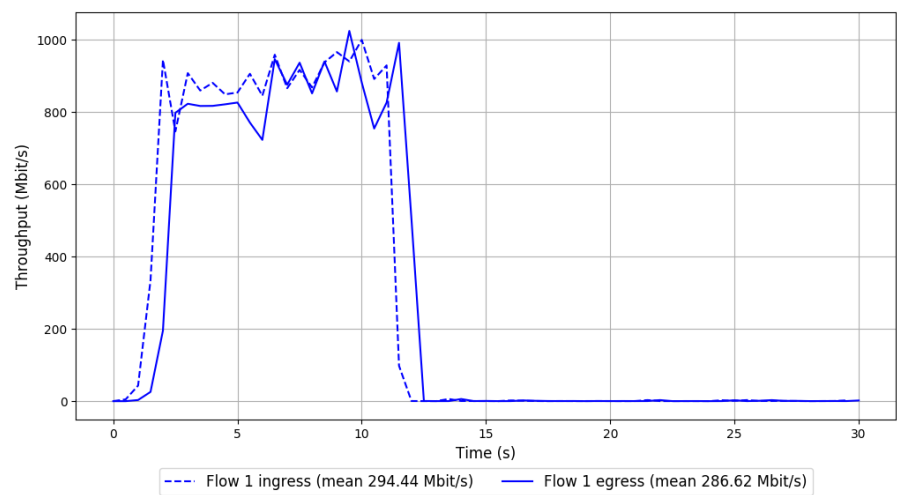


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 01:08:02
End at: 2018-07-04 01:08:32
Local clock offset: 0.167 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-07-04 02:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 286.62 Mbit/s
95th percentile per-packet one-way delay: 321.948 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 286.62 Mbit/s
95th percentile per-packet one-way delay: 321.948 ms
Loss rate: 3.06%

Run 9: Report of FillP-Sheep — Data Link

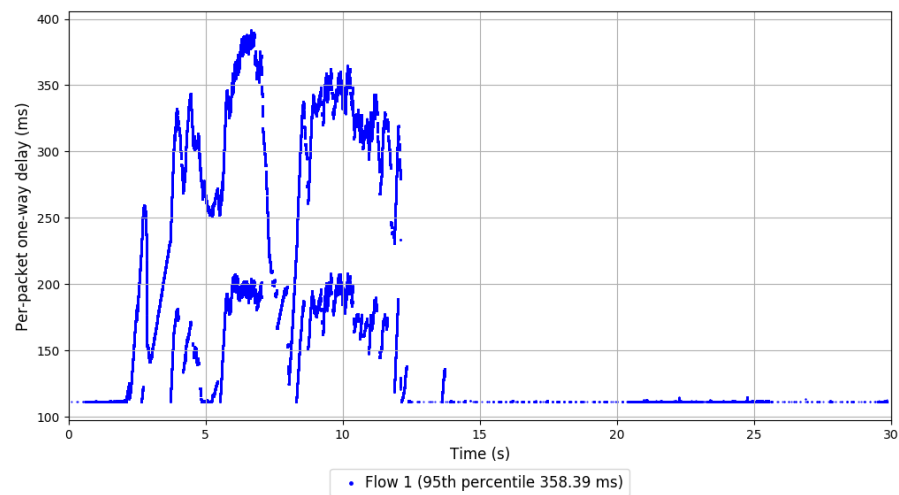
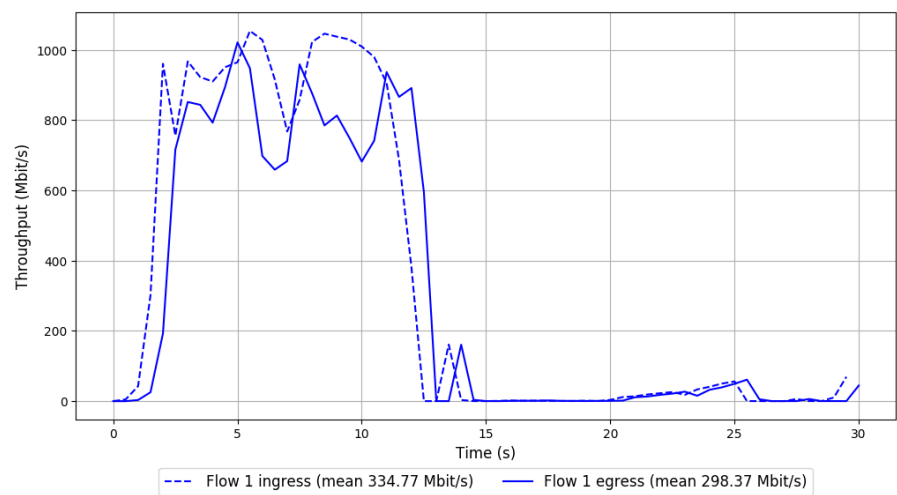


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 01:29:53
End at: 2018-07-04 01:30:23
Local clock offset: 0.15 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-07-04 02:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.37 Mbit/s
95th percentile per-packet one-way delay: 358.391 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 298.37 Mbit/s
95th percentile per-packet one-way delay: 358.391 ms
Loss rate: 11.53%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-03 22:16:53

End at: 2018-07-03 22:17:23

Local clock offset: -0.066 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 111.050 ms

Loss rate: 1.03%

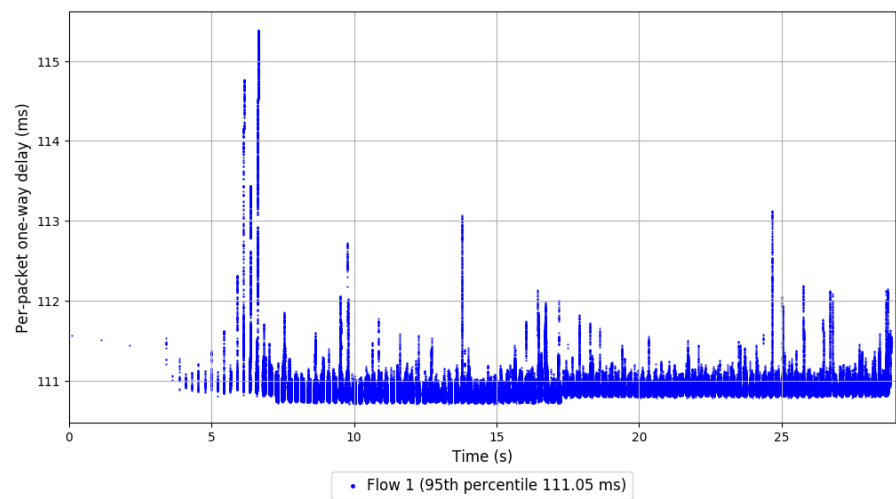
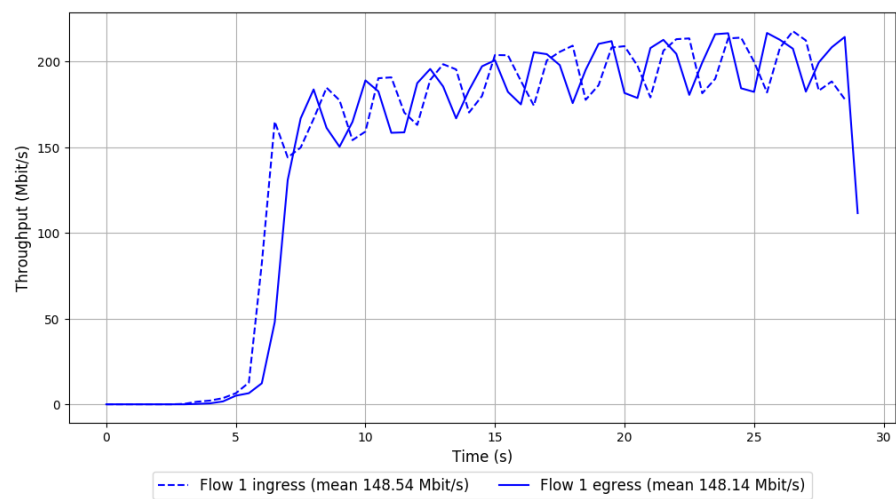
-- Flow 1:

Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 111.050 ms

Loss rate: 1.03%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-03 22:39:58

End at: 2018-07-03 22:40:28

Local clock offset: -0.073 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.22 Mbit/s

95th percentile per-packet one-way delay: 111.259 ms

Loss rate: 0.80%

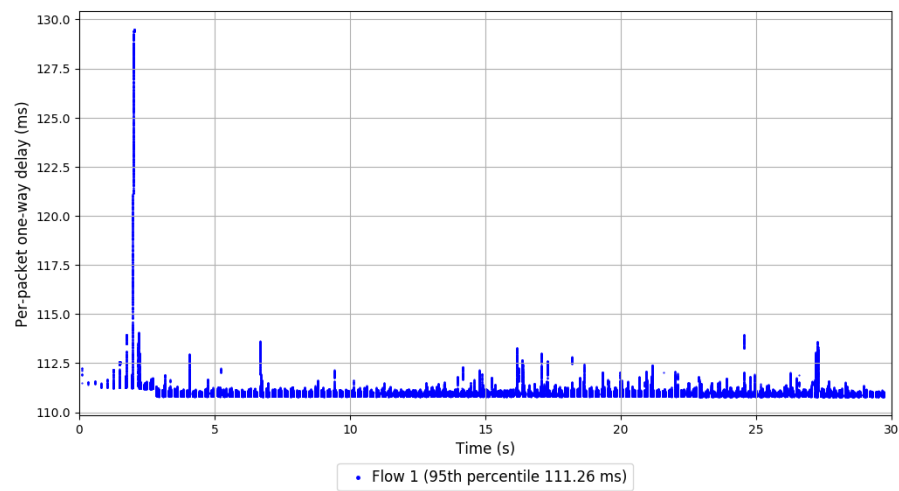
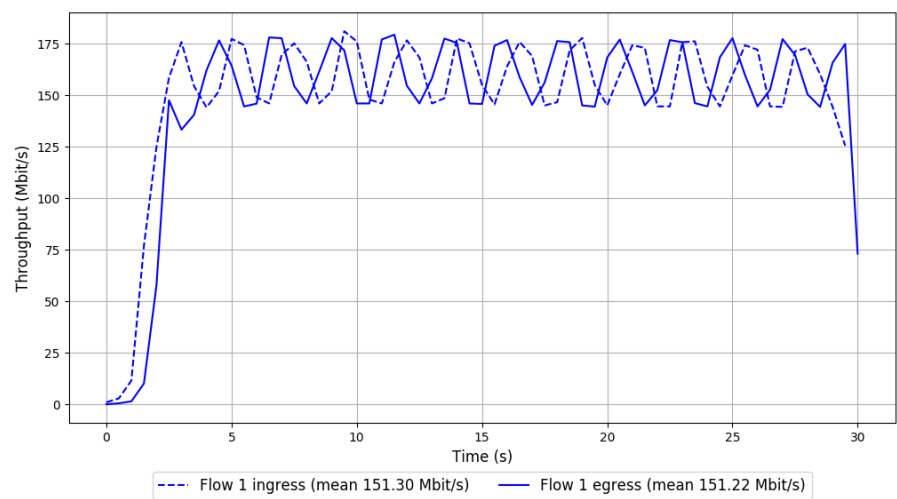
-- Flow 1:

Average throughput: 151.22 Mbit/s

95th percentile per-packet one-way delay: 111.259 ms

Loss rate: 0.80%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-03 23:03:09

End at: 2018-07-03 23:03:39

Local clock offset: 0.211 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.77 Mbit/s

95th percentile per-packet one-way delay: 111.322 ms

Loss rate: 0.80%

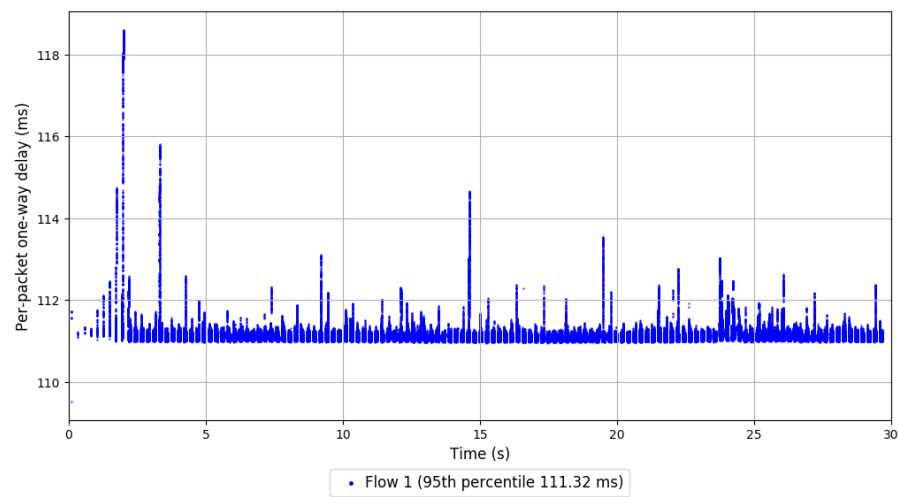
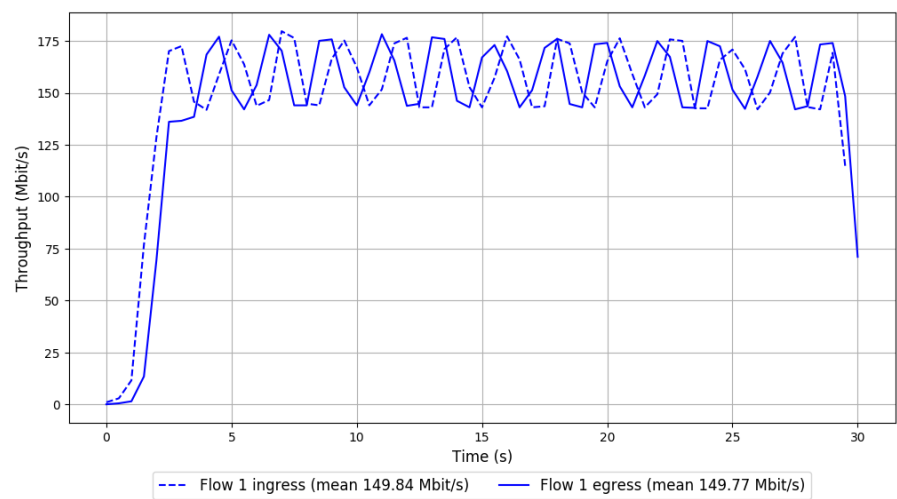
-- Flow 1:

Average throughput: 149.77 Mbit/s

95th percentile per-packet one-way delay: 111.322 ms

Loss rate: 0.80%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-03 23:25:59

End at: 2018-07-03 23:26:29

Local clock offset: 0.113 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.00 Mbit/s

95th percentile per-packet one-way delay: 111.662 ms

Loss rate: 0.77%

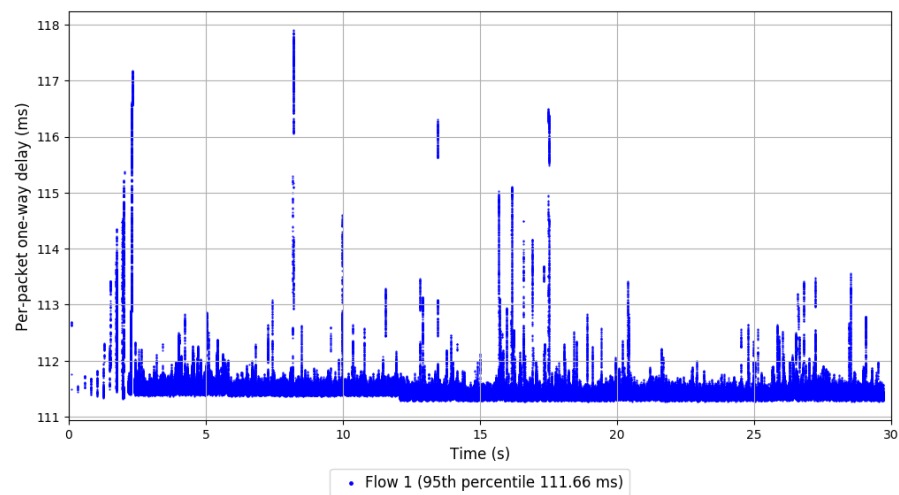
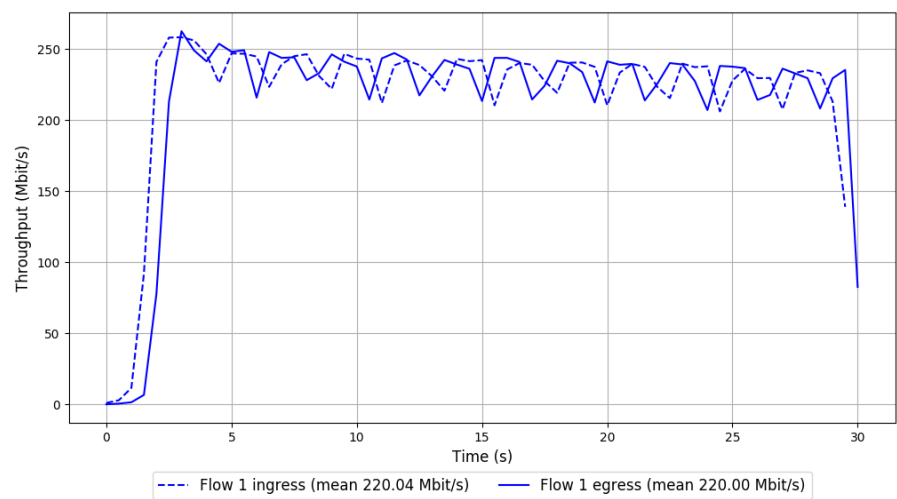
-- Flow 1:

Average throughput: 220.00 Mbit/s

95th percentile per-packet one-way delay: 111.662 ms

Loss rate: 0.77%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-03 23:48:39

End at: 2018-07-03 23:49:09

Local clock offset: -1.235 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.89 Mbit/s

95th percentile per-packet one-way delay: 109.965 ms

Loss rate: 0.76%

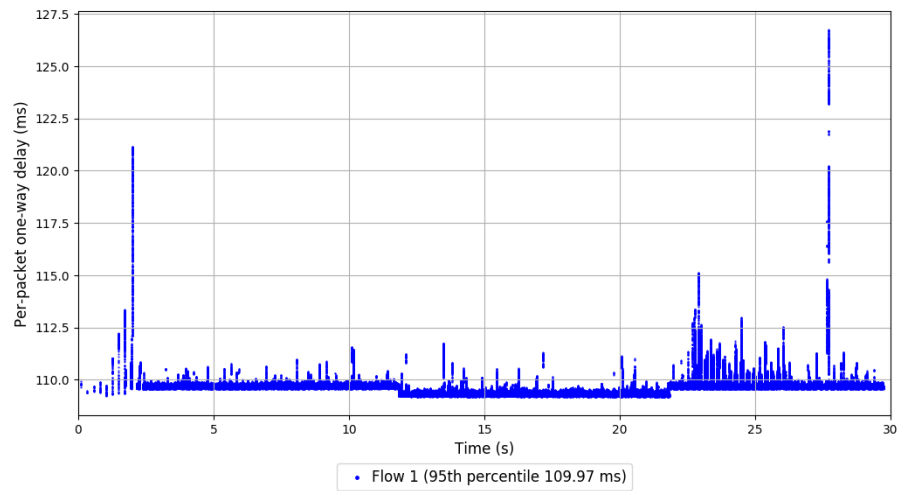
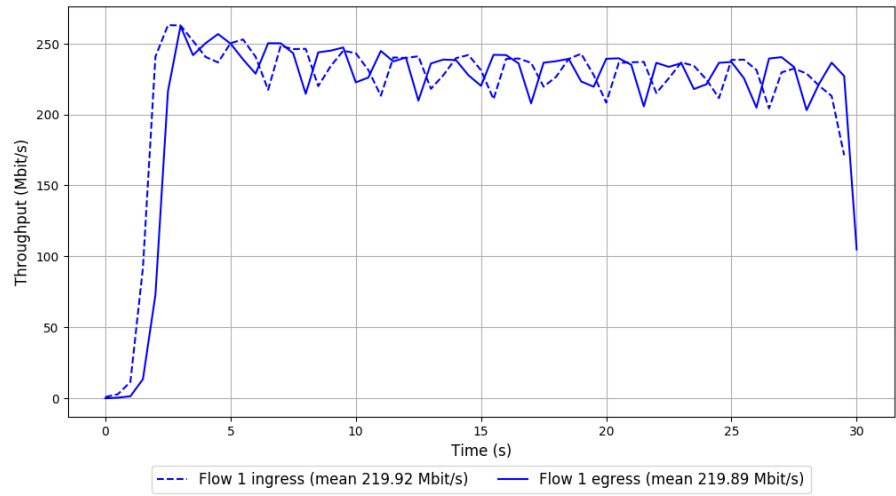
-- Flow 1:

Average throughput: 219.89 Mbit/s

95th percentile per-packet one-way delay: 109.965 ms

Loss rate: 0.76%

Run 5: Report of Indigo — Data Link

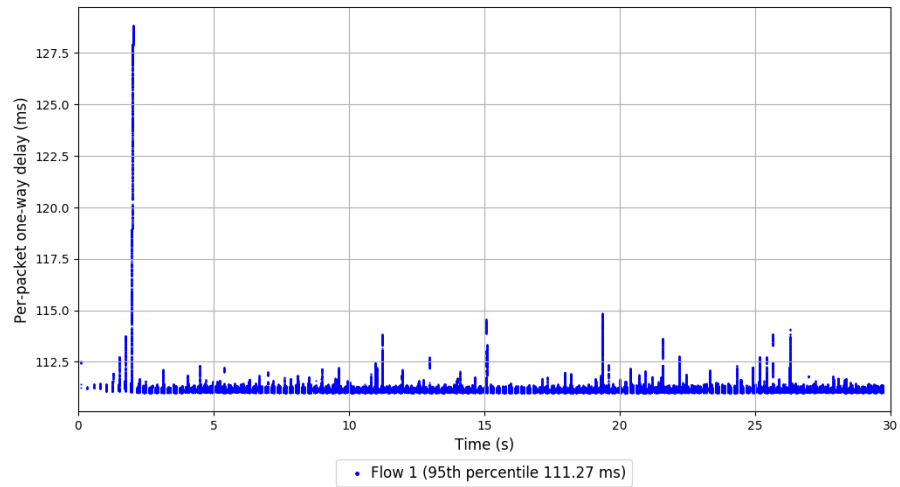
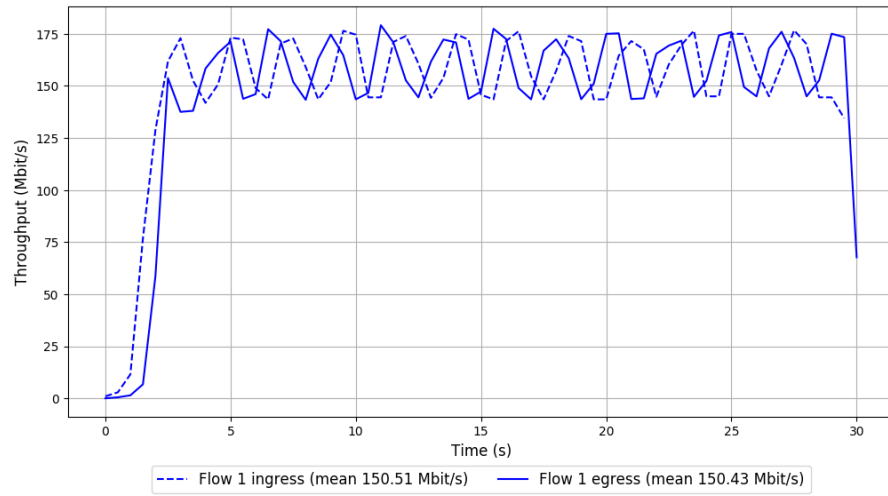


Run 6: Statistics of Indigo

Start at: 2018-07-04 00:10:56
End at: 2018-07-04 00:11:26
Local clock offset: -0.181 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.43 Mbit/s
95th percentile per-packet one-way delay: 111.273 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 150.43 Mbit/s
95th percentile per-packet one-way delay: 111.273 ms
Loss rate: 0.80%

Run 6: Report of Indigo — Data Link

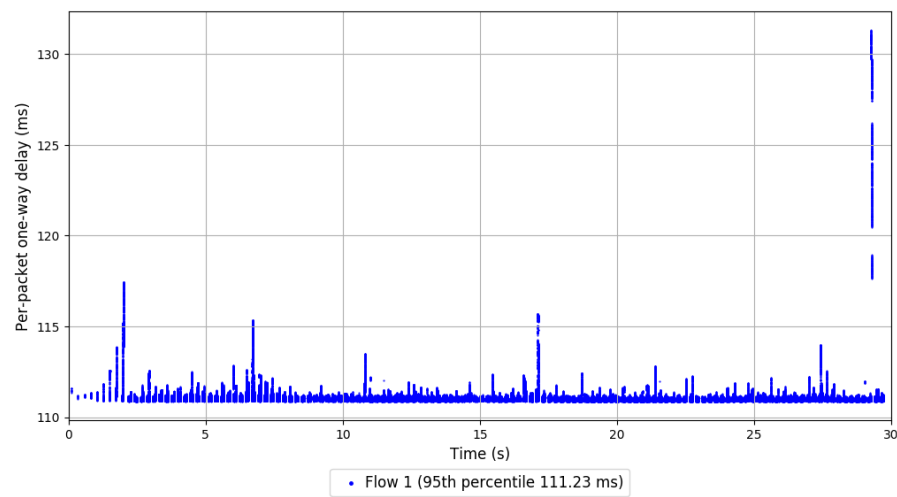
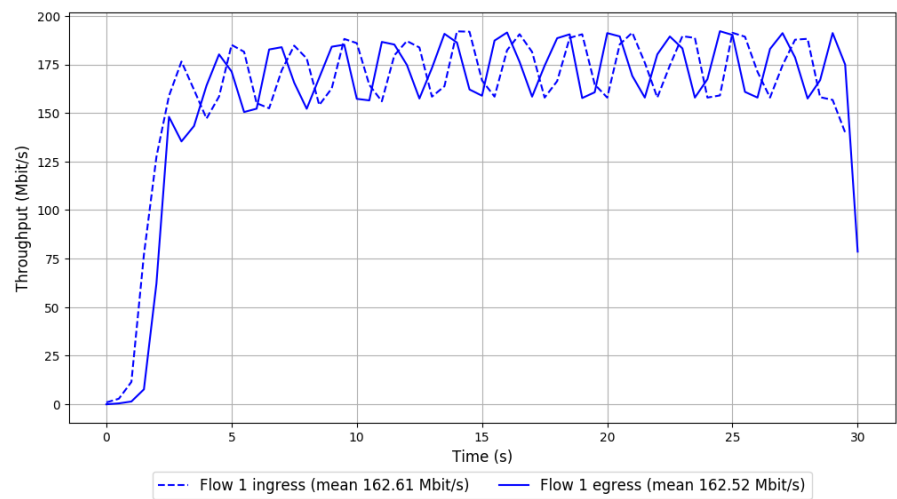


Run 7: Statistics of Indigo

Start at: 2018-07-04 00:33:44
End at: 2018-07-04 00:34:14
Local clock offset: 0.023 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.52 Mbit/s
95th percentile per-packet one-way delay: 111.231 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 162.52 Mbit/s
95th percentile per-packet one-way delay: 111.231 ms
Loss rate: 0.81%

Run 7: Report of Indigo — Data Link

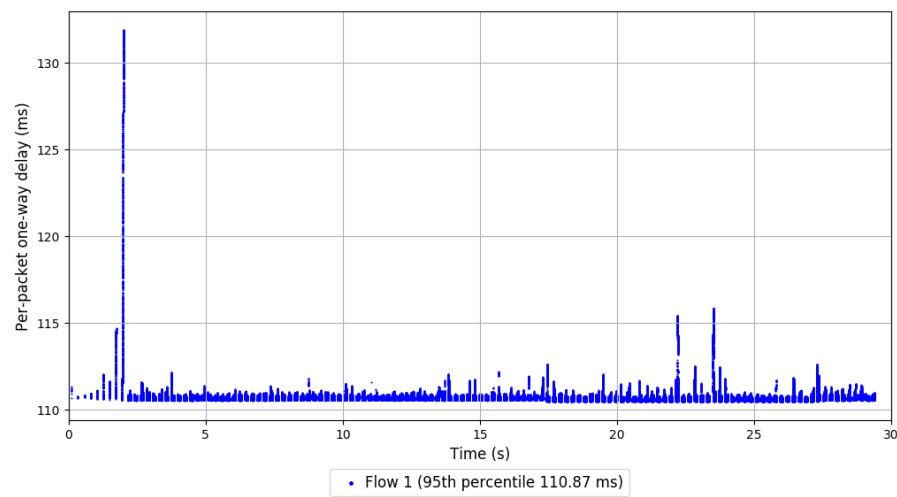
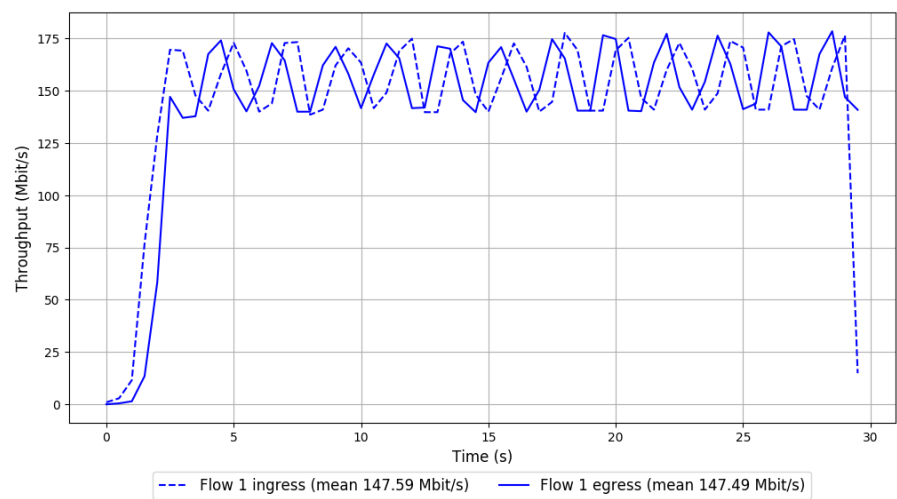


Run 8: Statistics of Indigo

Start at: 2018-07-04 00:56:54
End at: 2018-07-04 00:57:24
Local clock offset: -0.388 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.49 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 147.49 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 0.82%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-04 01:18:49

End at: 2018-07-04 01:19:19

Local clock offset: 0.053 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.58 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.79%

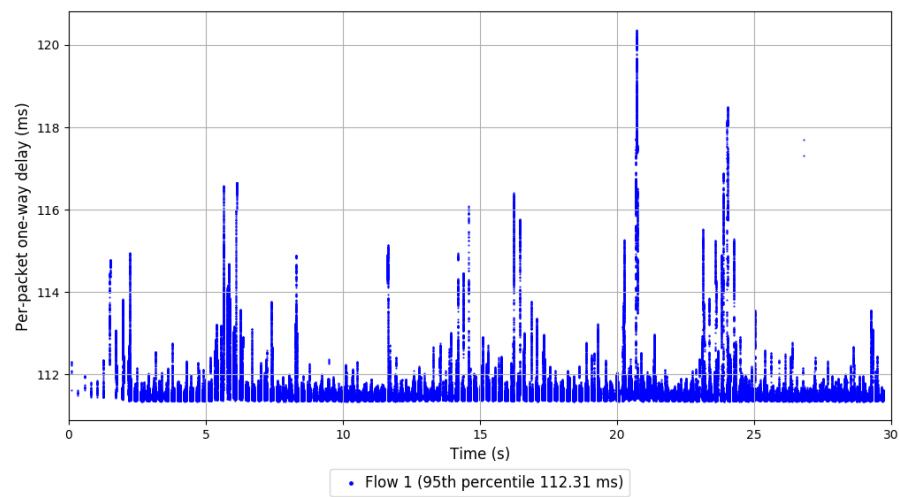
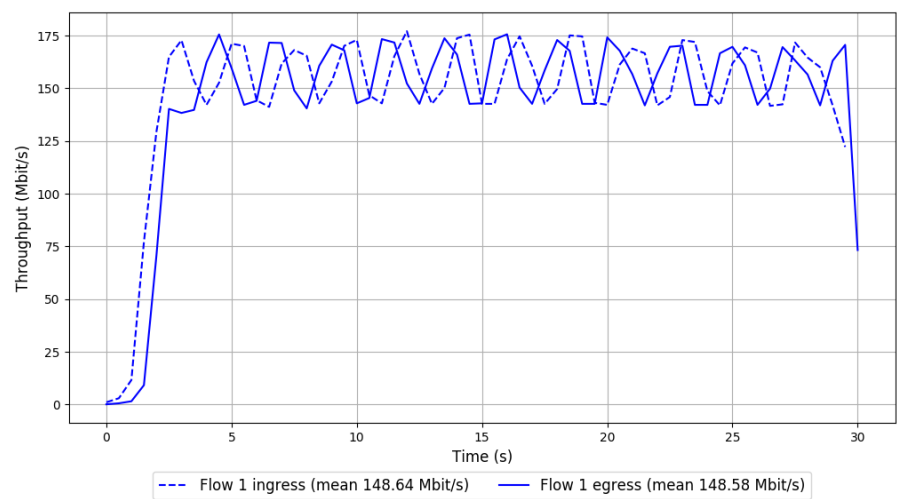
-- Flow 1:

Average throughput: 148.58 Mbit/s

95th percentile per-packet one-way delay: 112.314 ms

Loss rate: 0.79%

Run 9: Report of Indigo — Data Link

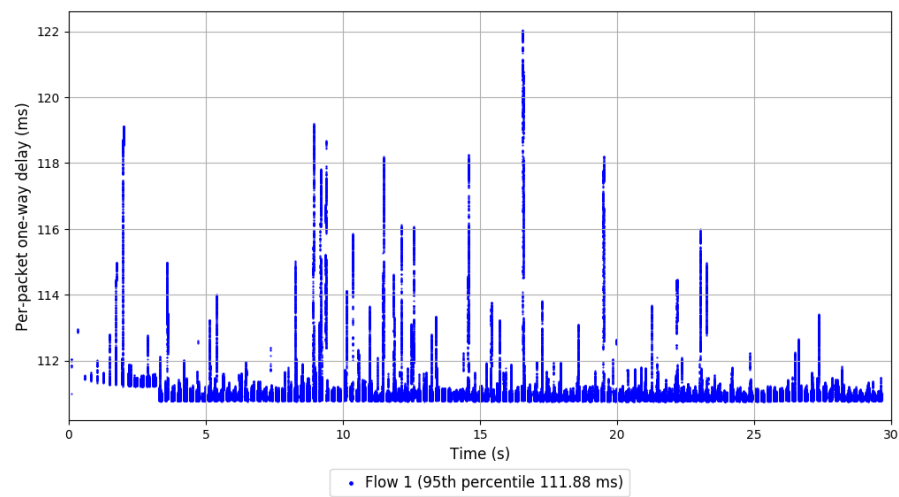
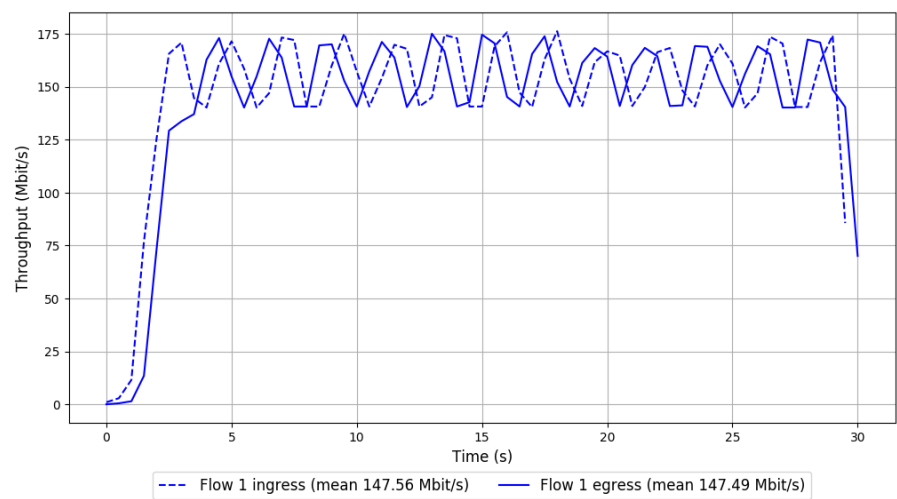


Run 10: Statistics of Indigo

Start at: 2018-07-04 01:41:18
End at: 2018-07-04 01:41:48
Local clock offset: -0.014 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.49 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 147.49 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 0.80%

Run 10: Report of Indigo — Data Link

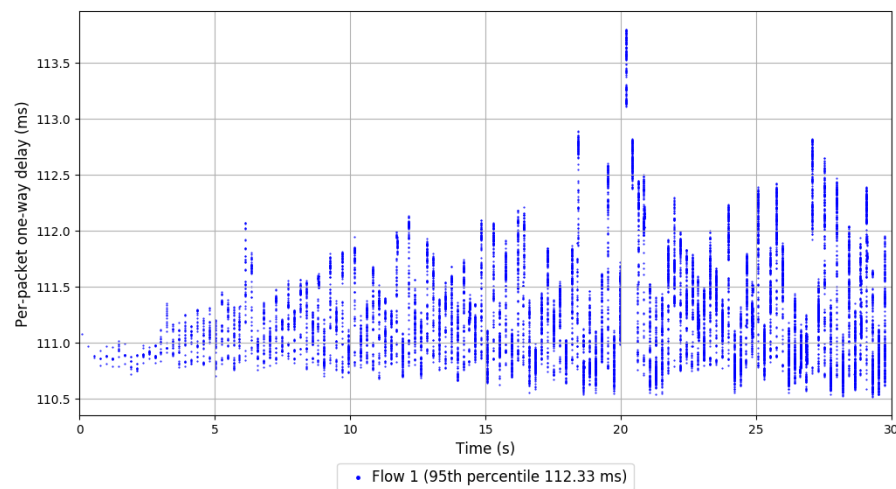
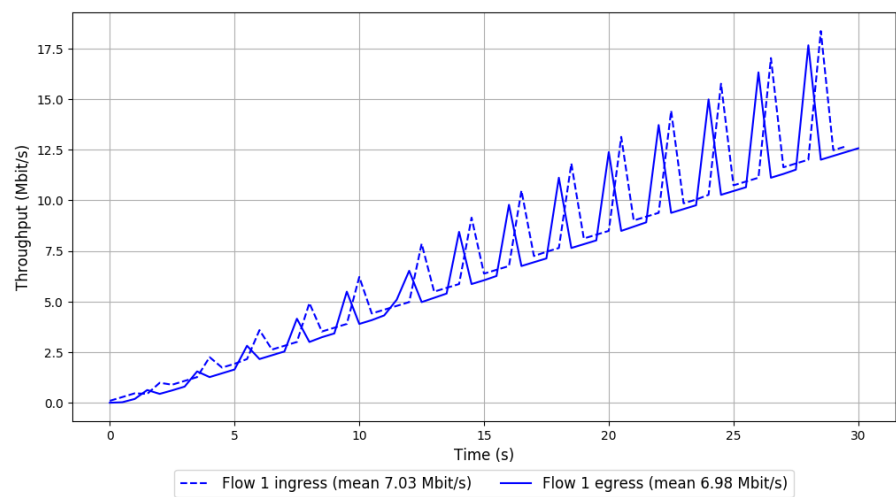


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-03 22:06:45
End at: 2018-07-03 22:07:15
Local clock offset: 0.114 ms
Remote clock offset: 0.3 ms

# Below is generated by plot.py at 2018-07-04 02:43:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 112.331 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 112.331 ms
Loss rate: 1.51%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-03 22:29:57

End at: 2018-07-03 22:30:27

Local clock offset: -0.045 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 112.483 ms

Loss rate: 1.49%

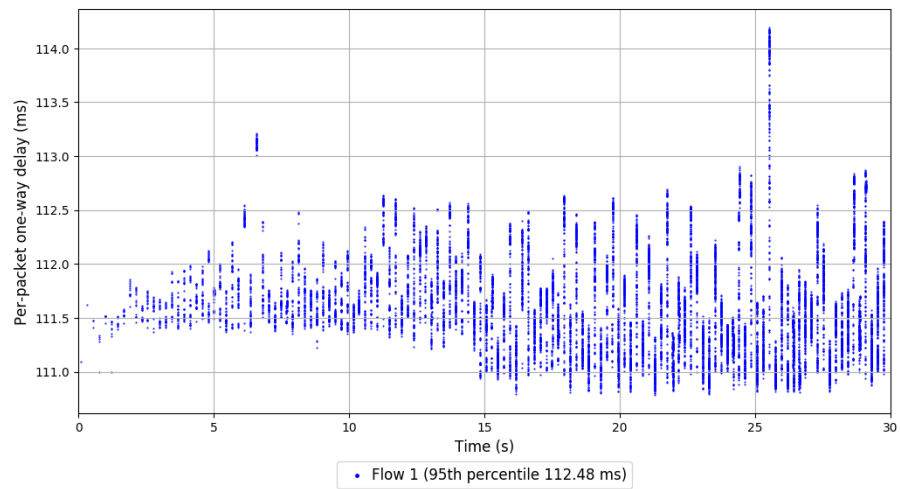
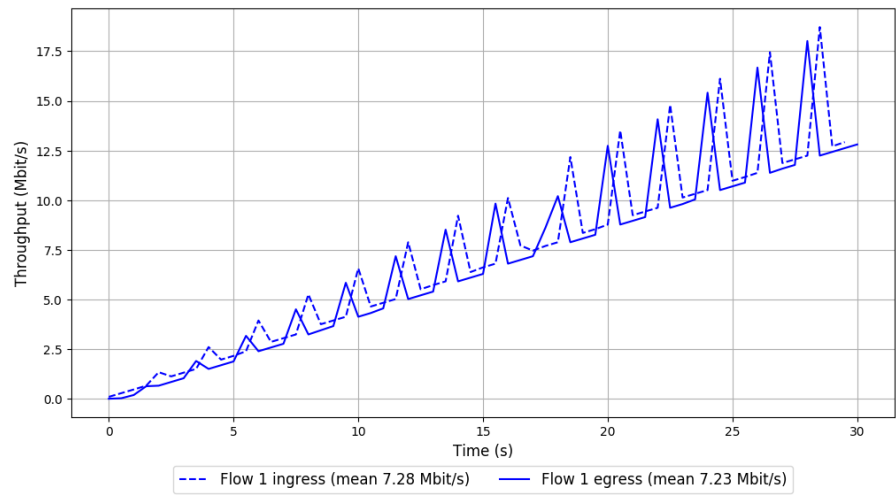
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 112.483 ms

Loss rate: 1.49%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-03 22:53:04

End at: 2018-07-03 22:53:34

Local clock offset: 1.026 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 113.464 ms

Loss rate: 1.48%

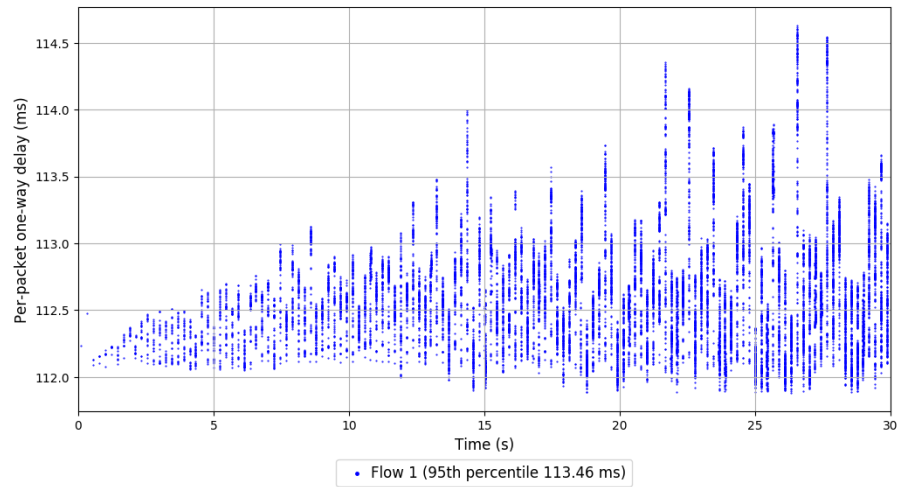
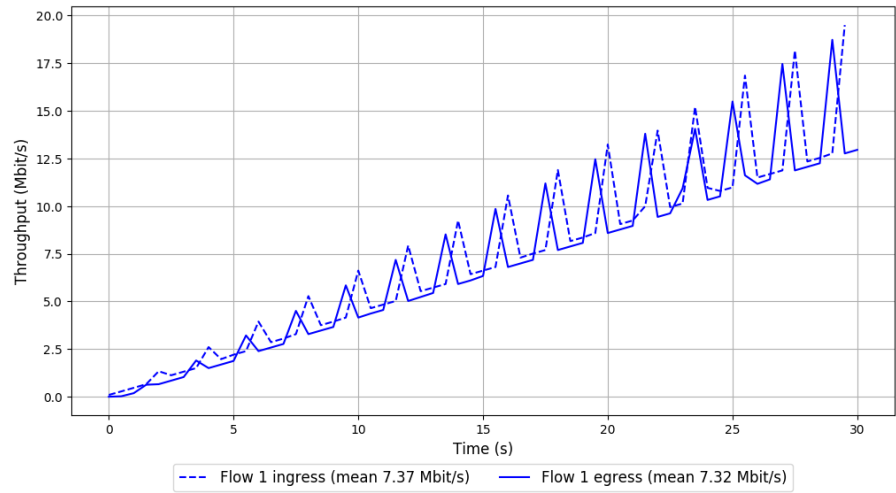
-- Flow 1:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 113.464 ms

Loss rate: 1.48%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-03 23:16:08

End at: 2018-07-03 23:16:38

Local clock offset: 1.21 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-07-04 02:43:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 1.49%

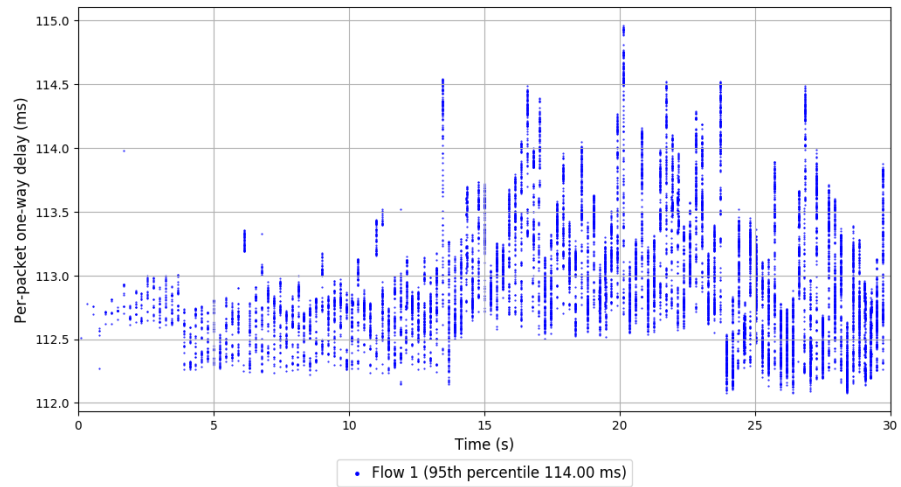
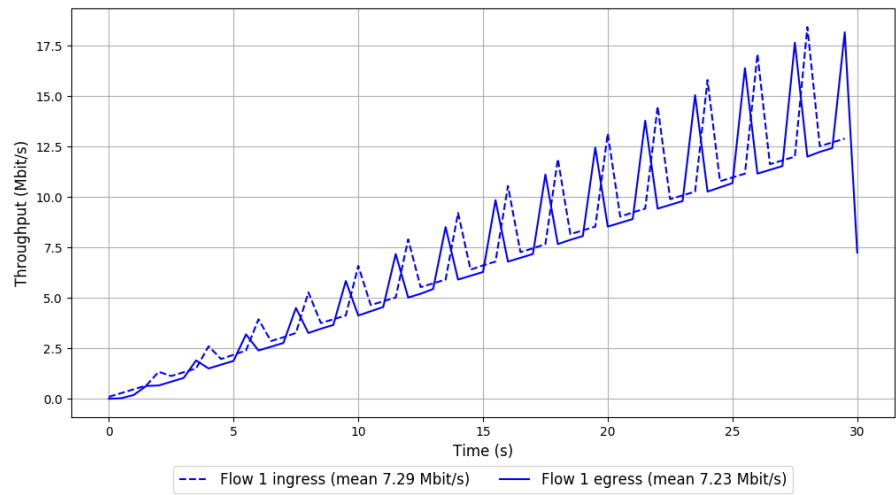
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 1.49%

Run 4: Report of LEDBAT — Data Link

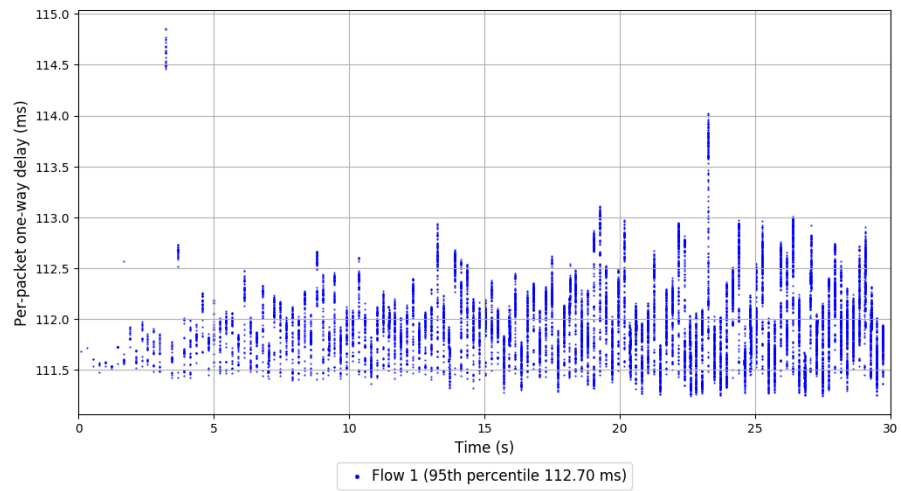
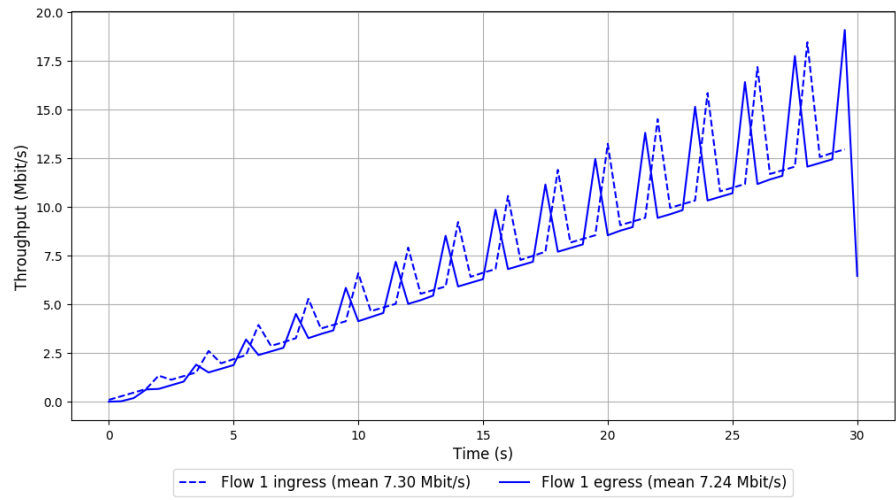


Run 5: Statistics of LEDBAT

Start at: 2018-07-03 23:38:38
End at: 2018-07-03 23:39:08
Local clock offset: 0.133 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 112.698 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 112.698 ms
Loss rate: 1.49%

Run 5: Report of LEDBAT — Data Link

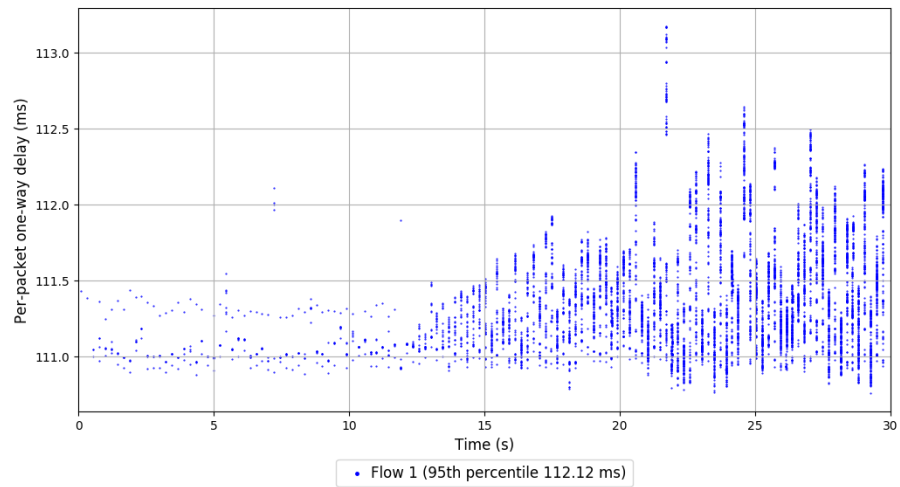
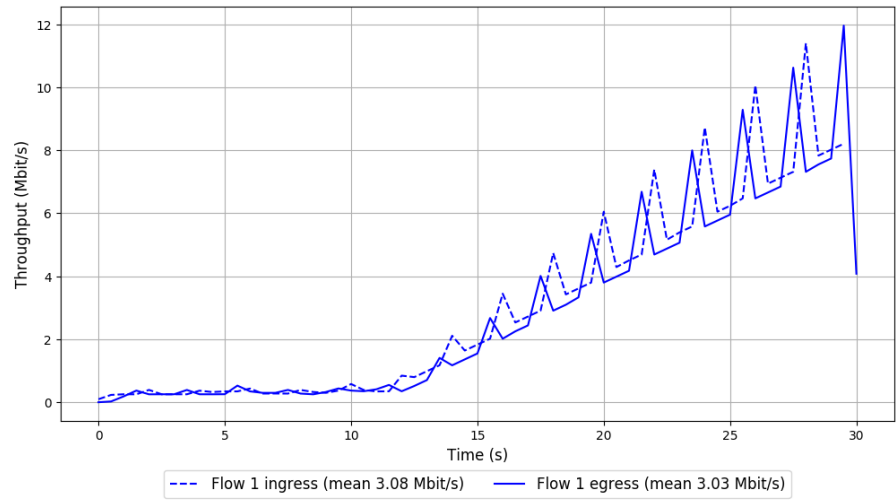


Run 6: Statistics of LEDBAT

Start at: 2018-07-04 00:01:20
End at: 2018-07-04 00:01:50
Local clock offset: -0.073 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 112.122 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 112.122 ms
Loss rate: 2.25%

Run 6: Report of LEDBAT — Data Link

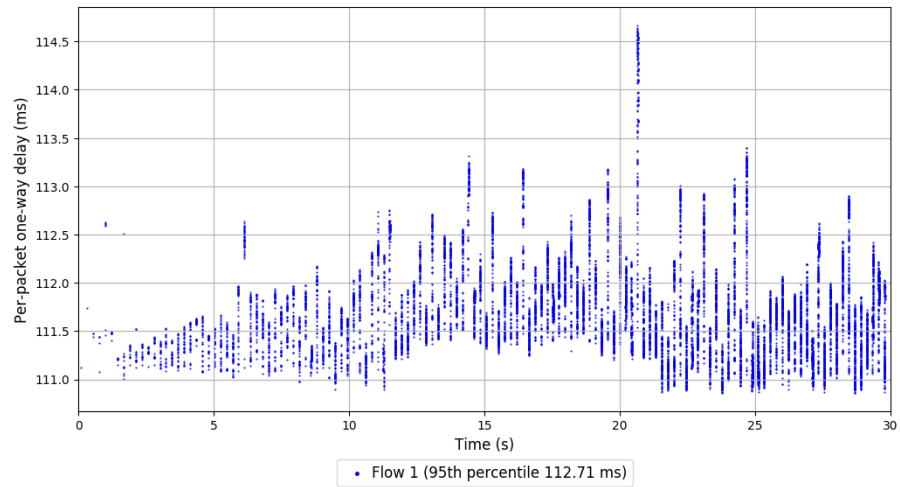
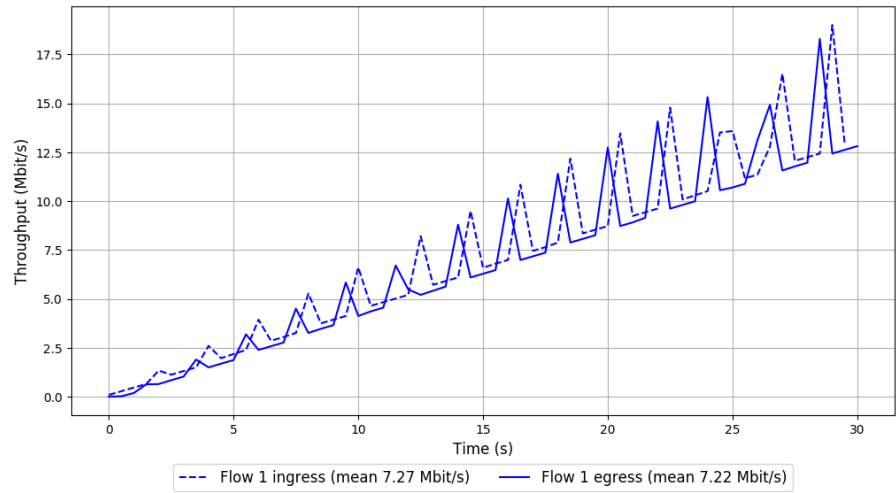


Run 7: Statistics of LEDBAT

Start at: 2018-07-04 00:23:40
End at: 2018-07-04 00:24:10
Local clock offset: -0.021 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.710 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.710 ms
Loss rate: 1.49%

Run 7: Report of LEDBAT — Data Link

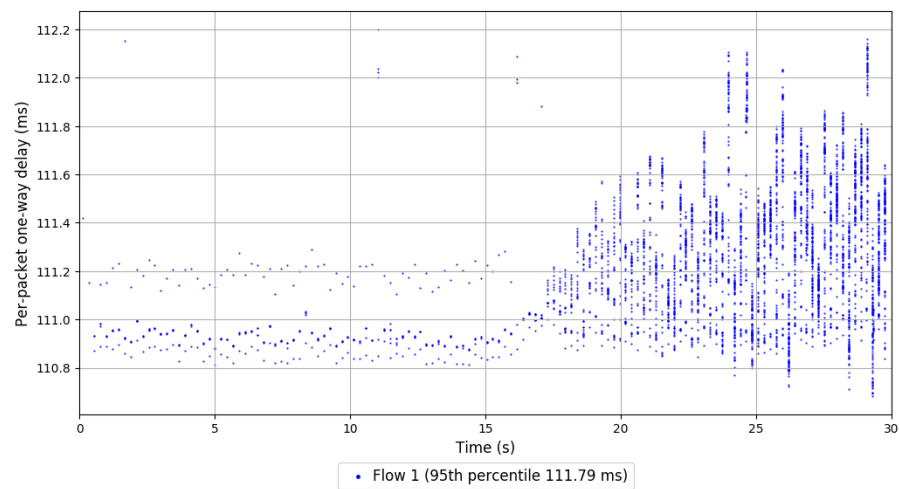
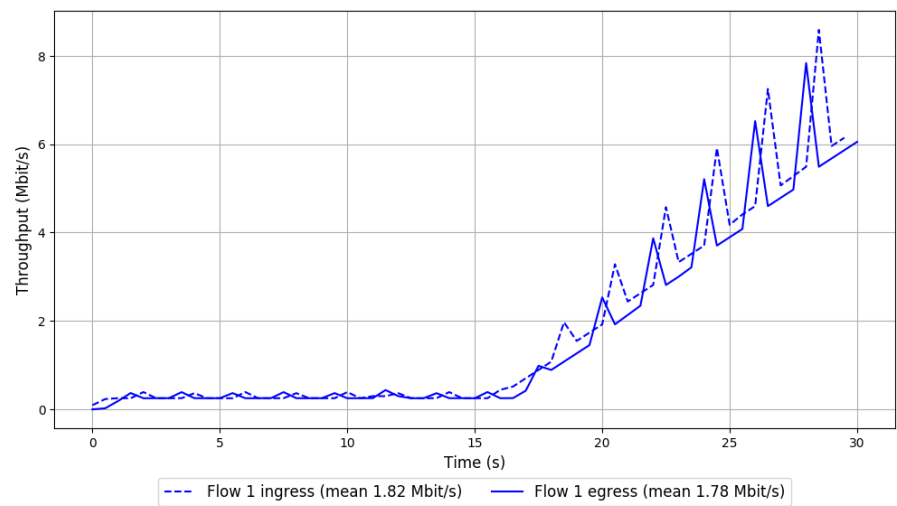


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 00:46:52
End at: 2018-07-04 00:47:22
Local clock offset: -0.279 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 111.791 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 111.791 ms
Loss rate: 2.84%

Run 8: Report of LEDBAT — Data Link

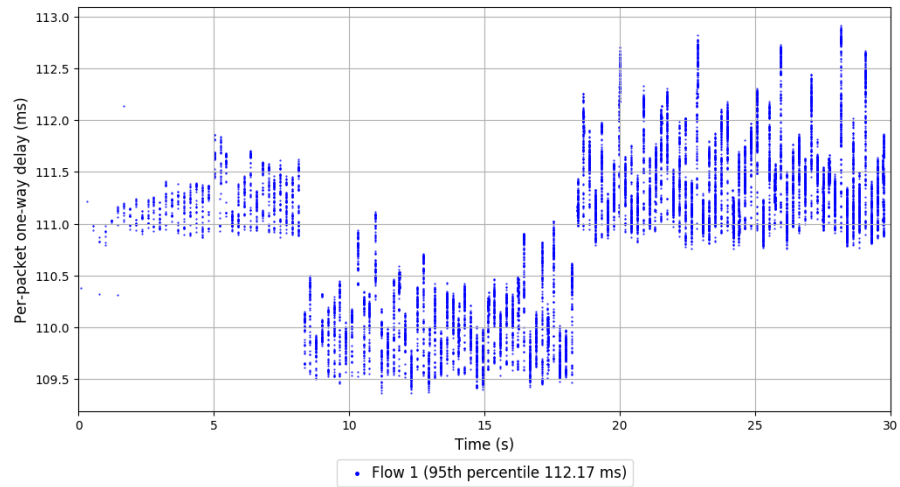
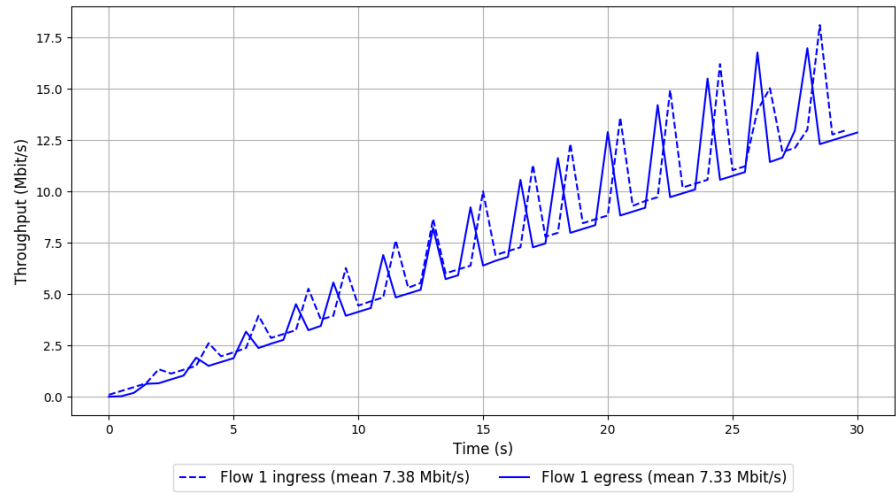


Run 9: Statistics of LEDBAT

Start at: 2018-07-04 01:09:23
End at: 2018-07-04 01:09:53
Local clock offset: -0.145 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 1.47%

Run 9: Report of LEDBAT — Data Link

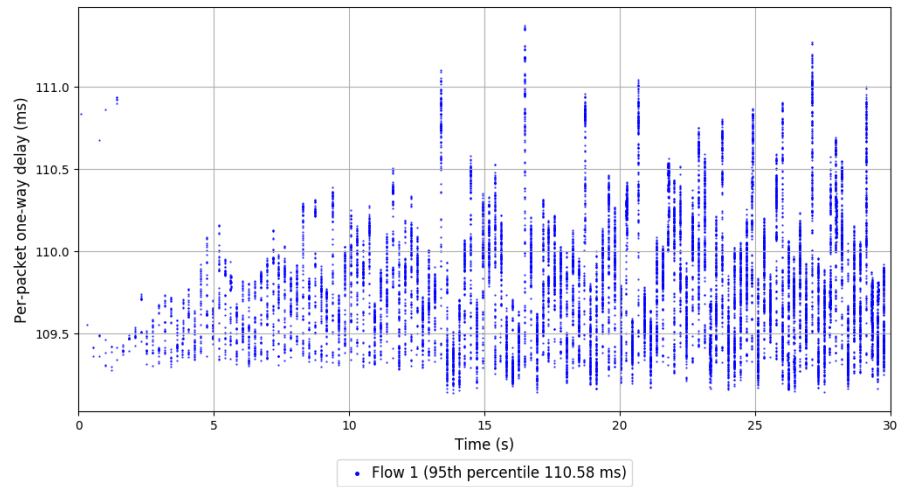
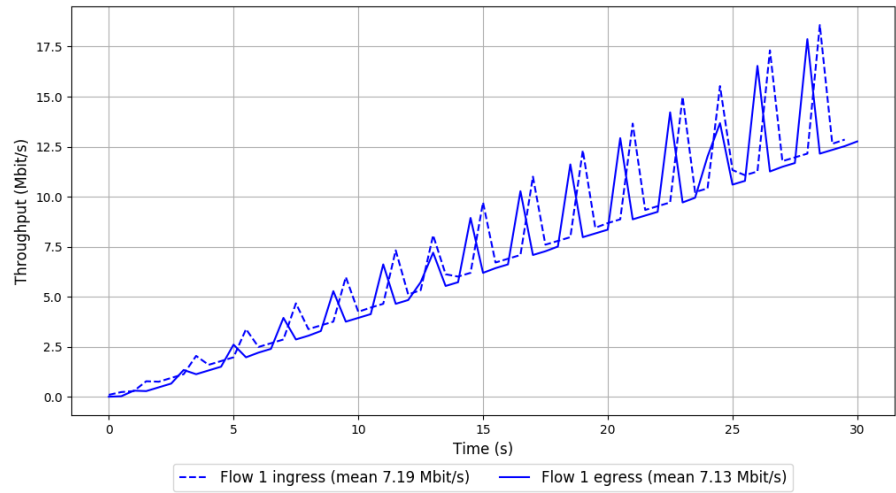


Run 10: Statistics of LEDBAT

Start at: 2018-07-04 01:31:16
End at: 2018-07-04 01:31:46
Local clock offset: -0.283 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-07-04 02:43:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 110.576 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 110.576 ms
Loss rate: 1.50%

Run 10: Report of LEDBAT — Data Link

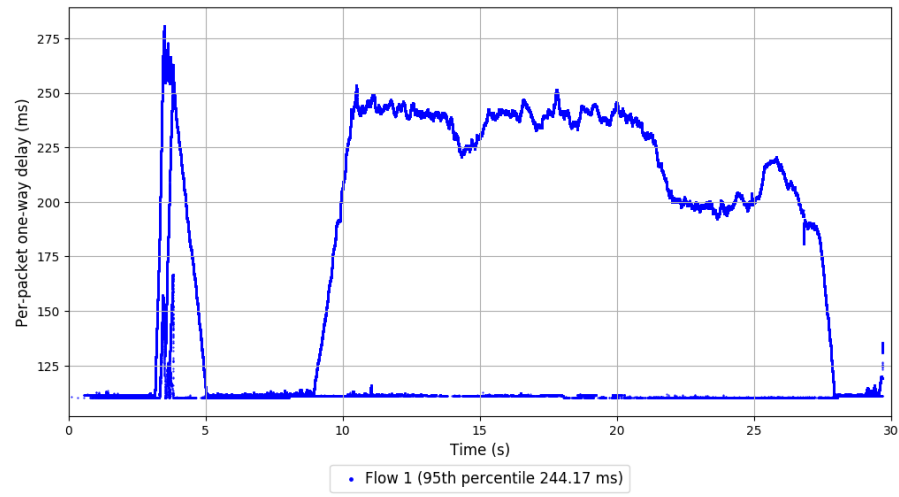
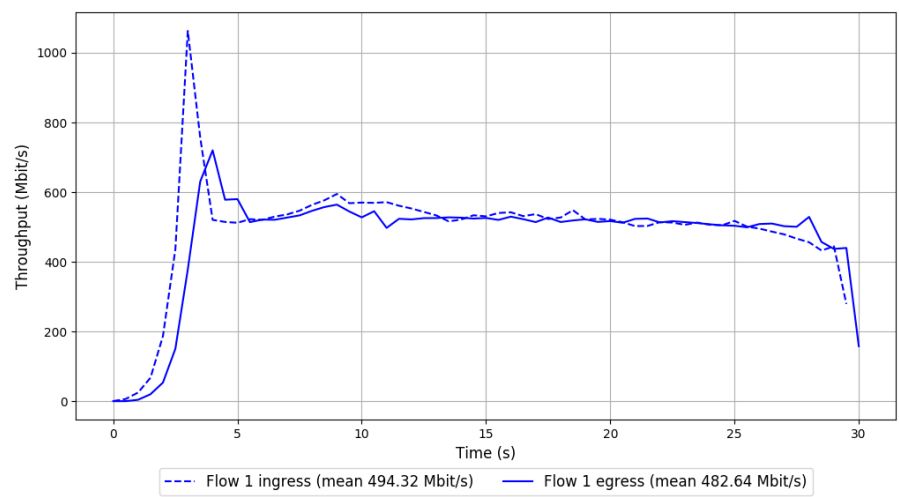


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-03 21:58:53
End at: 2018-07-03 21:59:23
Local clock offset: 0.113 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-07-04 02:48:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 482.64 Mbit/s
95th percentile per-packet one-way delay: 244.167 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 482.64 Mbit/s
95th percentile per-packet one-way delay: 244.167 ms
Loss rate: 3.09%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-03 22:21:42

End at: 2018-07-03 22:22:12

Local clock offset: 1.377 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-04 02:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.73 Mbit/s

95th percentile per-packet one-way delay: 239.766 ms

Loss rate: 2.47%

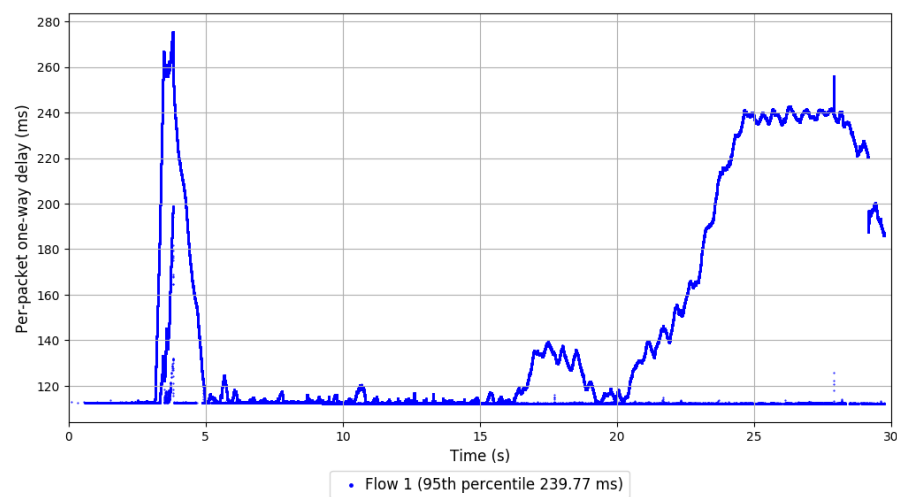
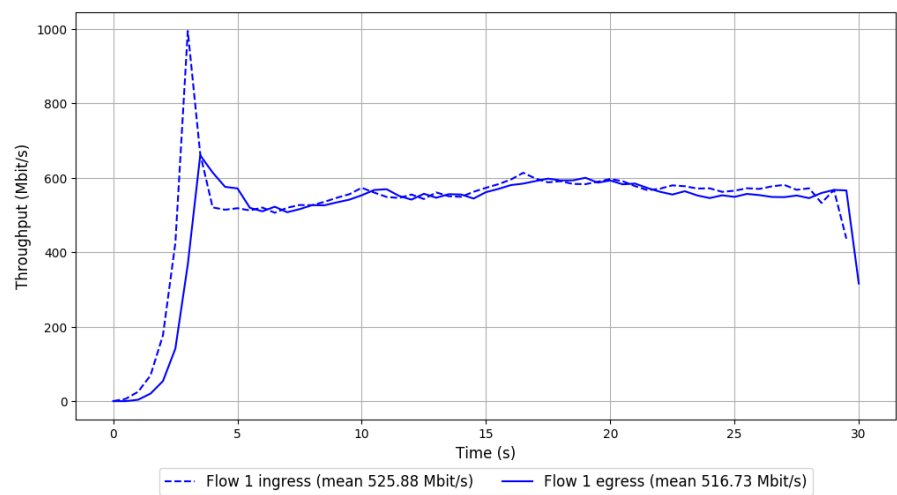
-- Flow 1:

Average throughput: 516.73 Mbit/s

95th percentile per-packet one-way delay: 239.766 ms

Loss rate: 2.47%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-03 22:44:48

End at: 2018-07-03 22:45:18

Local clock offset: -0.244 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-04 02:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.73 Mbit/s

95th percentile per-packet one-way delay: 253.918 ms

Loss rate: 3.91%

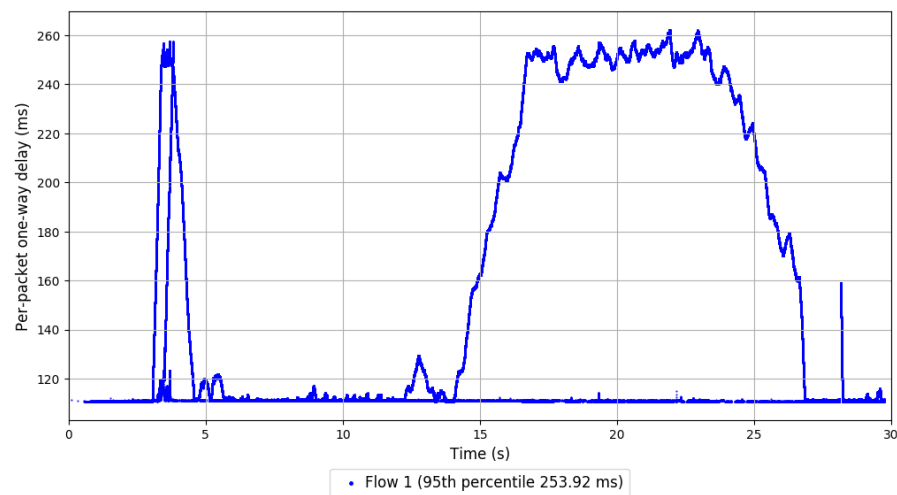
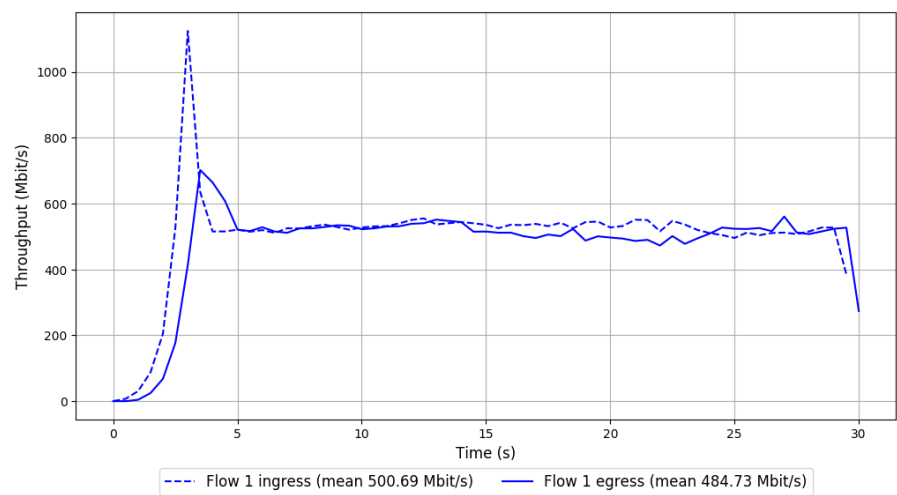
-- Flow 1:

Average throughput: 484.73 Mbit/s

95th percentile per-packet one-way delay: 253.918 ms

Loss rate: 3.91%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-03 23:08:00

End at: 2018-07-03 23:08:30

Local clock offset: 0.091 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-07-04 02:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 497.06 Mbit/s

95th percentile per-packet one-way delay: 153.978 ms

Loss rate: 1.95%

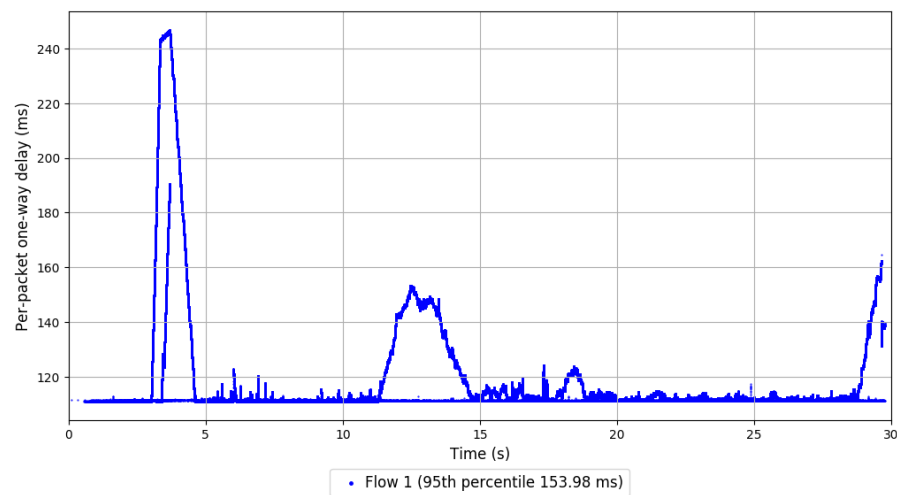
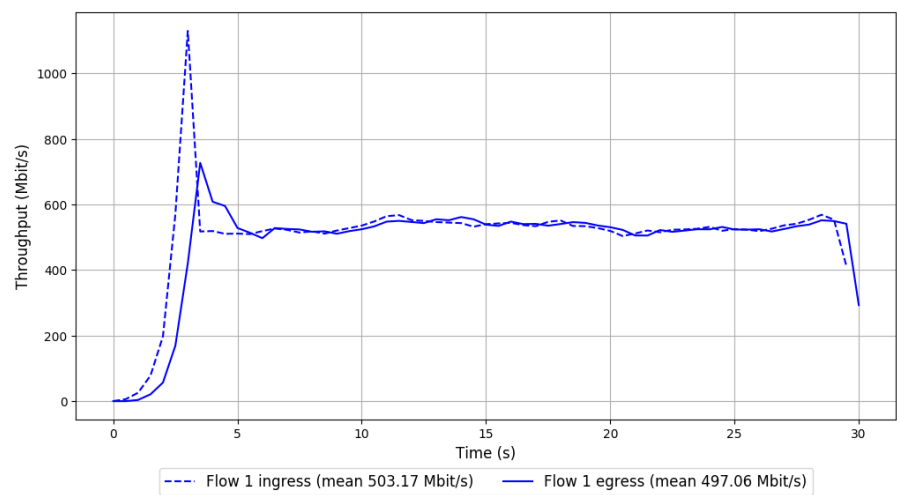
-- Flow 1:

Average throughput: 497.06 Mbit/s

95th percentile per-packet one-way delay: 153.978 ms

Loss rate: 1.95%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-03 23:30:53

End at: 2018-07-03 23:31:23

Local clock offset: 0.205 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-07-04 02:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.61 Mbit/s

95th percentile per-packet one-way delay: 259.392 ms

Loss rate: 3.29%

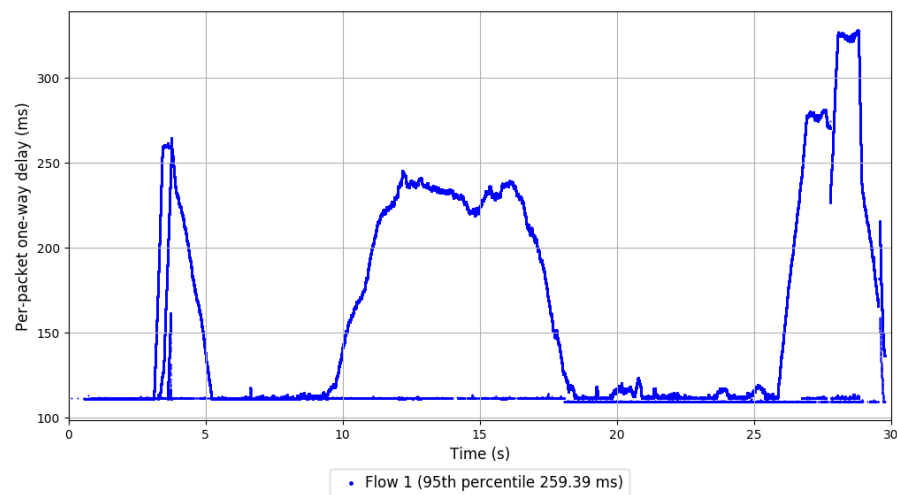
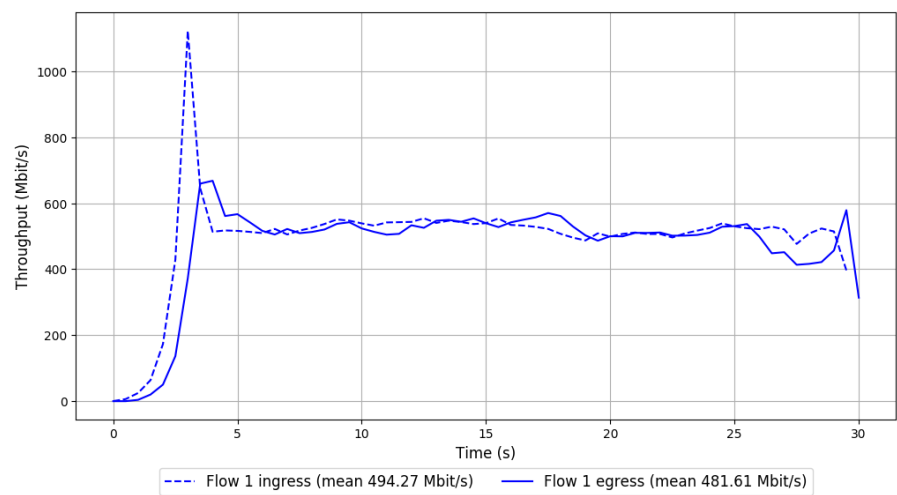
-- Flow 1:

Average throughput: 481.61 Mbit/s

95th percentile per-packet one-way delay: 259.392 ms

Loss rate: 3.29%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-03 23:53:32

End at: 2018-07-03 23:54:02

Local clock offset: -0.107 ms

Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-04 02:48:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.71 Mbit/s

95th percentile per-packet one-way delay: 228.005 ms

Loss rate: 2.18%

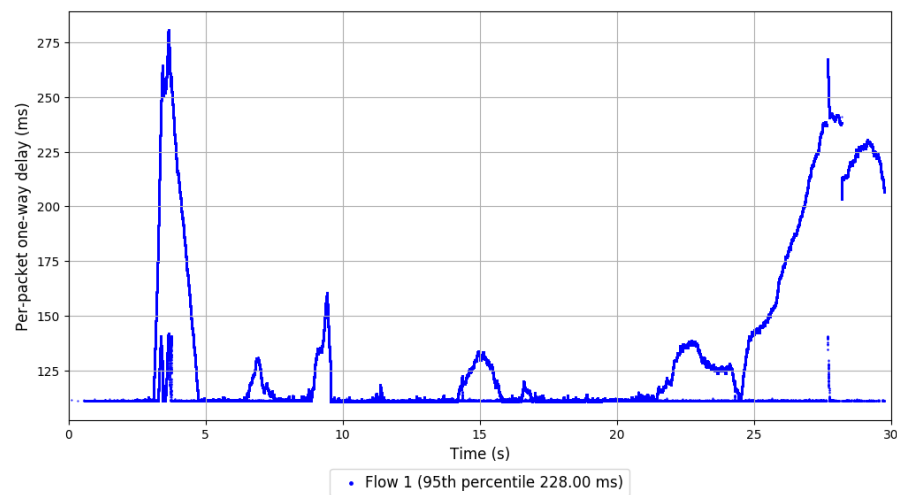
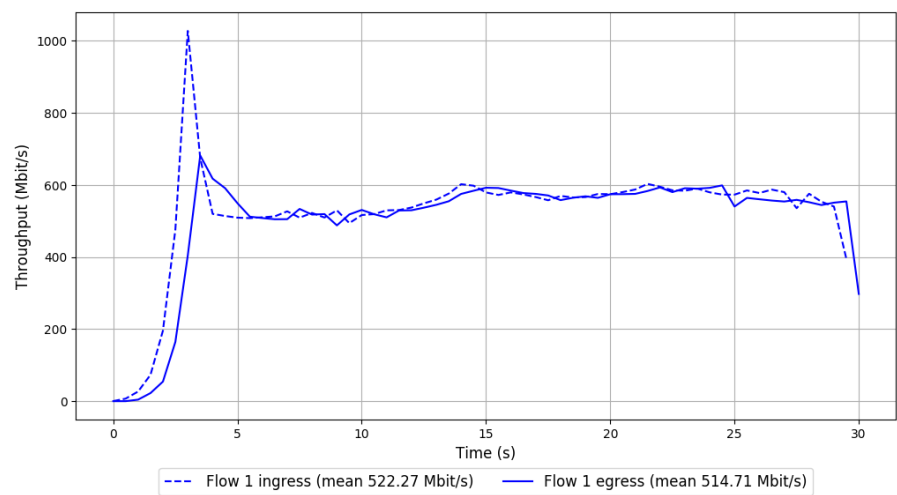
-- Flow 1:

Average throughput: 514.71 Mbit/s

95th percentile per-packet one-way delay: 228.005 ms

Loss rate: 2.18%

Run 6: Report of PCC-Allegro — Data Link

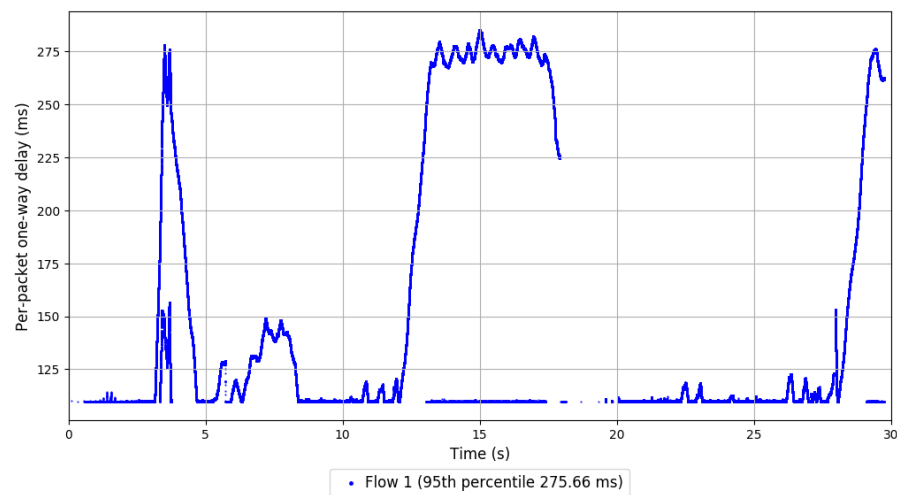
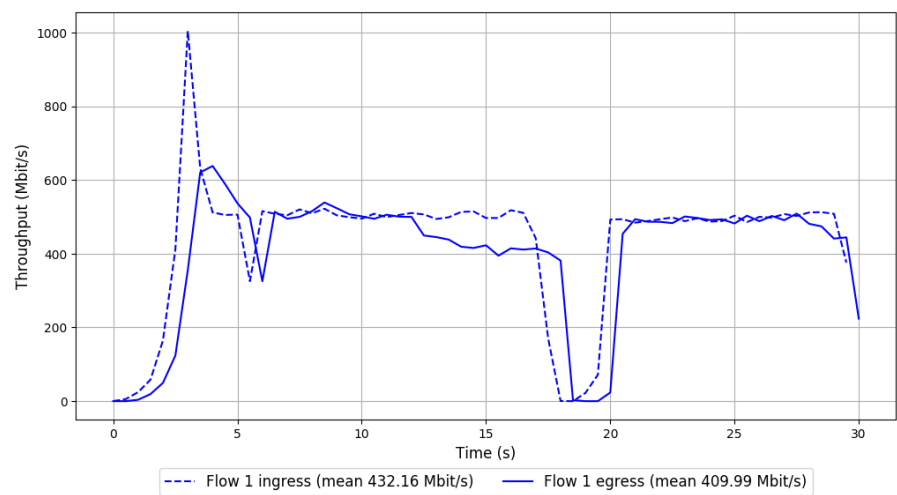


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 00:15:42
End at: 2018-07-04 00:16:12
Local clock offset: -1.482 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-04 02:48:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.99 Mbit/s
95th percentile per-packet one-way delay: 275.663 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 409.99 Mbit/s
95th percentile per-packet one-way delay: 275.663 ms
Loss rate: 5.84%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 00:38:36

End at: 2018-07-04 00:39:06

Local clock offset: -0.008 ms

Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-07-04 02:52:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.81 Mbit/s

95th percentile per-packet one-way delay: 241.805 ms

Loss rate: 3.87%

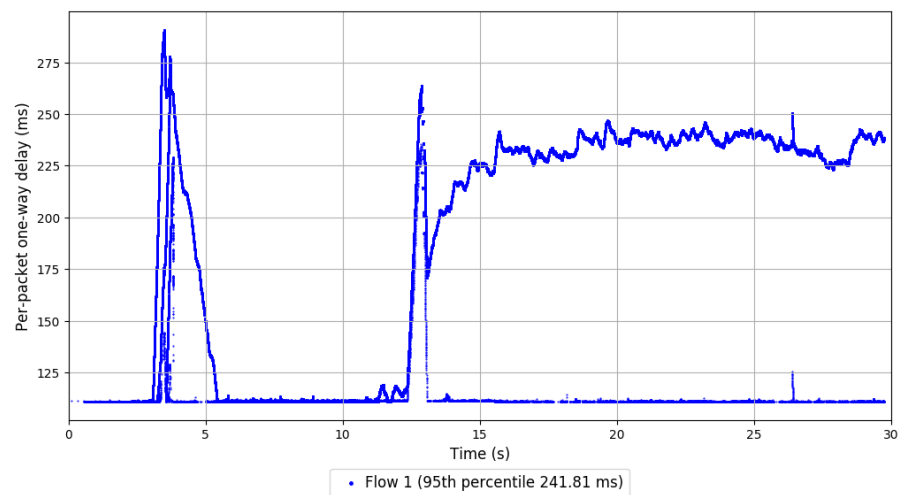
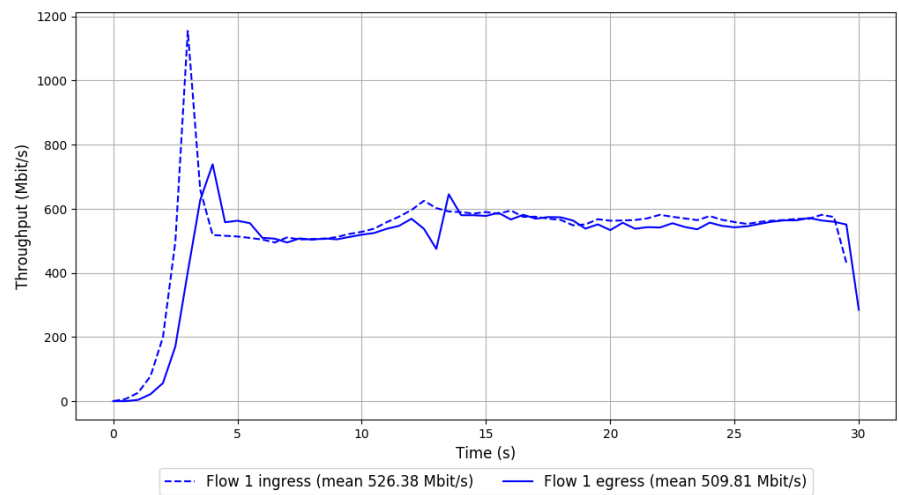
-- Flow 1:

Average throughput: 509.81 Mbit/s

95th percentile per-packet one-way delay: 241.805 ms

Loss rate: 3.87%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 01:01:42

End at: 2018-07-04 01:02:12

Local clock offset: 0.25 ms

Remote clock offset: -0.373 ms

Below is generated by plot.py at 2018-07-04 02:56:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.77 Mbit/s

95th percentile per-packet one-way delay: 275.790 ms

Loss rate: 5.00%

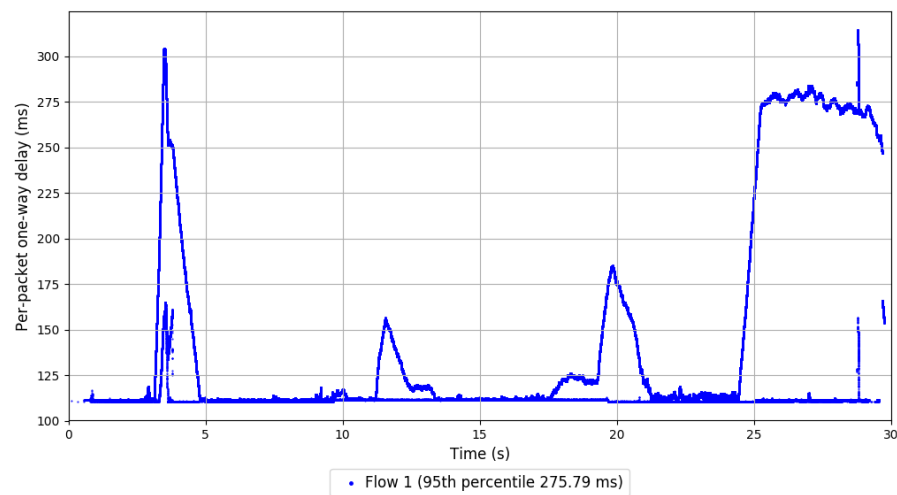
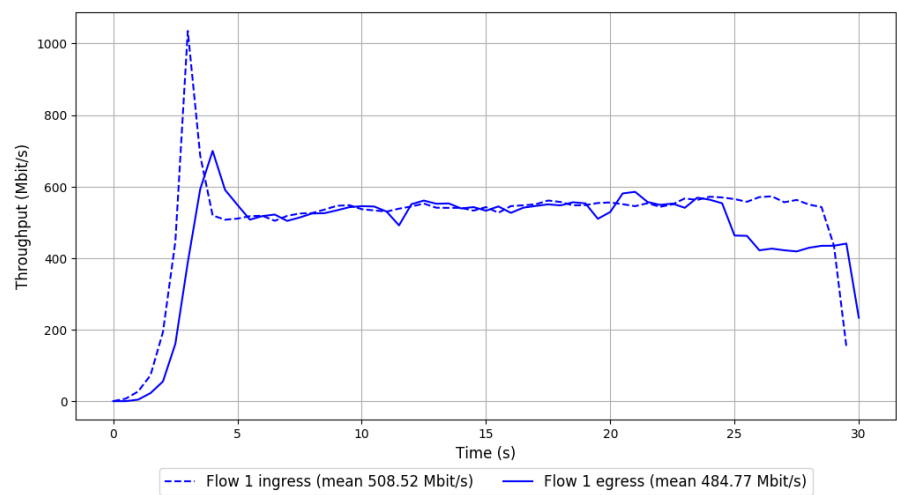
-- Flow 1:

Average throughput: 484.77 Mbit/s

95th percentile per-packet one-way delay: 275.790 ms

Loss rate: 5.00%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 01:23:39

End at: 2018-07-04 01:24:09

Local clock offset: -0.206 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-07-04 02:56:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.94 Mbit/s

95th percentile per-packet one-way delay: 273.696 ms

Loss rate: 7.25%

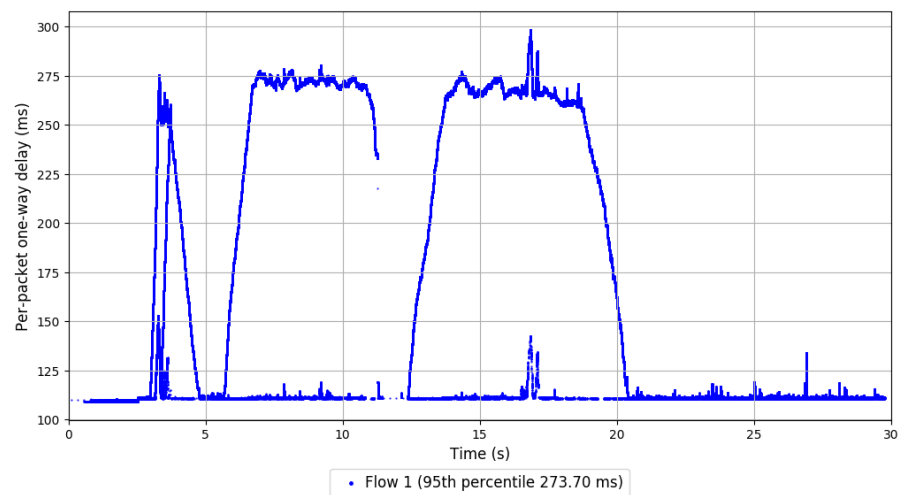
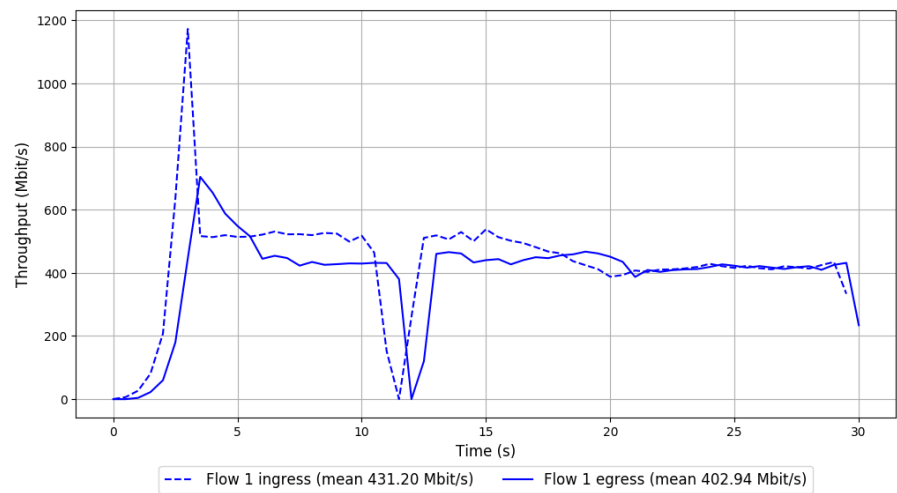
-- Flow 1:

Average throughput: 402.94 Mbit/s

95th percentile per-packet one-way delay: 273.696 ms

Loss rate: 7.25%

Run 10: Report of PCC-Allegro — Data Link

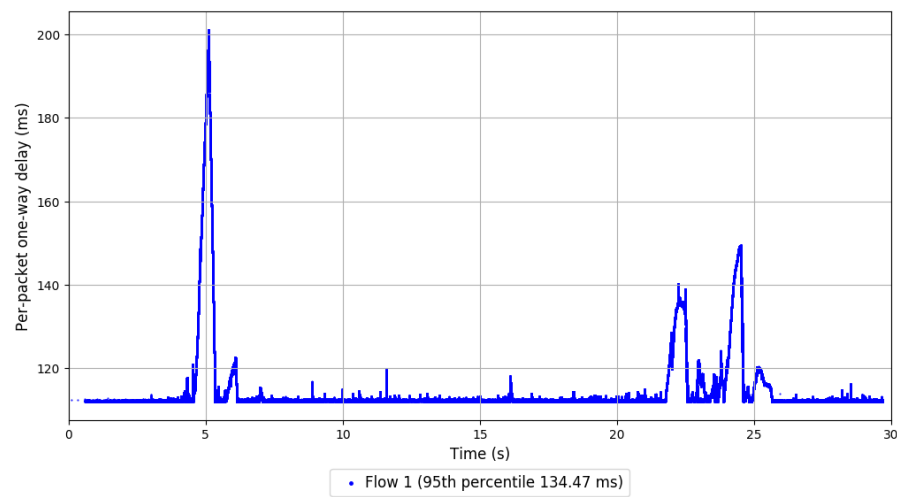
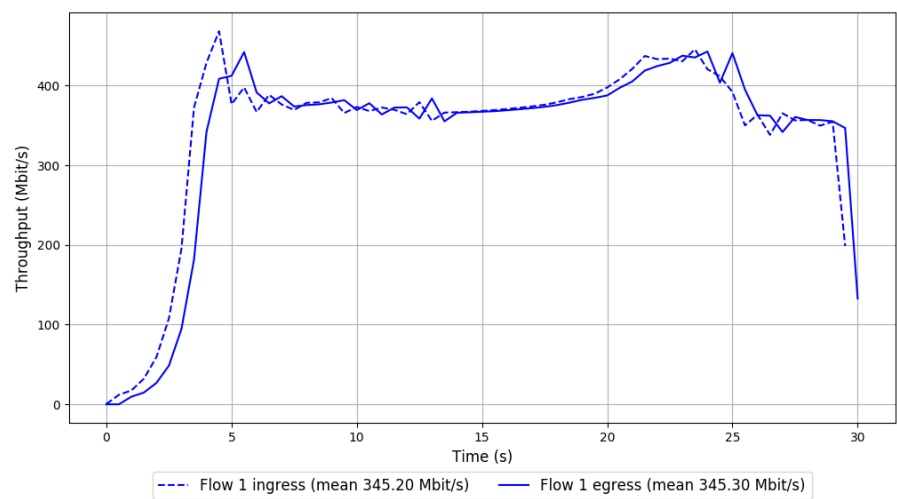


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-03 22:07:53
End at: 2018-07-03 22:08:23
Local clock offset: 1.239 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-07-04 02:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.30 Mbit/s
95th percentile per-packet one-way delay: 134.467 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 345.30 Mbit/s
95th percentile per-packet one-way delay: 134.467 ms
Loss rate: 0.72%
```

Run 1: Report of PCC-Expr — Data Link

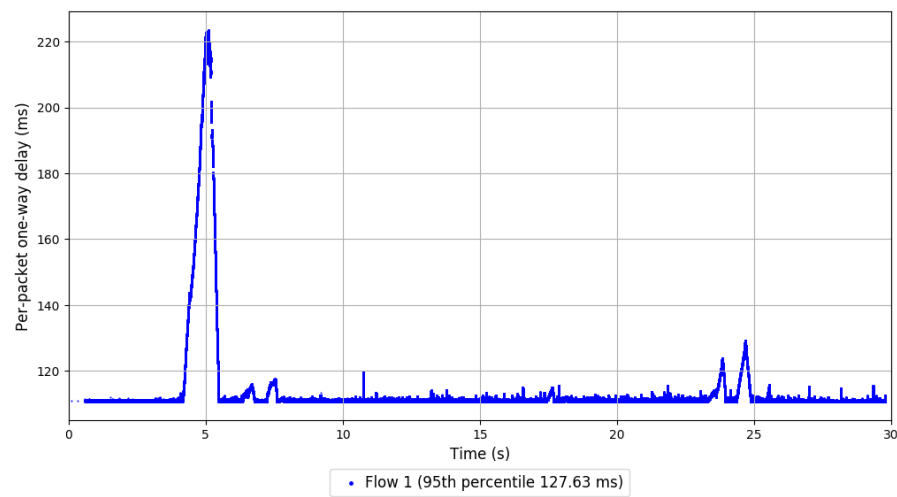
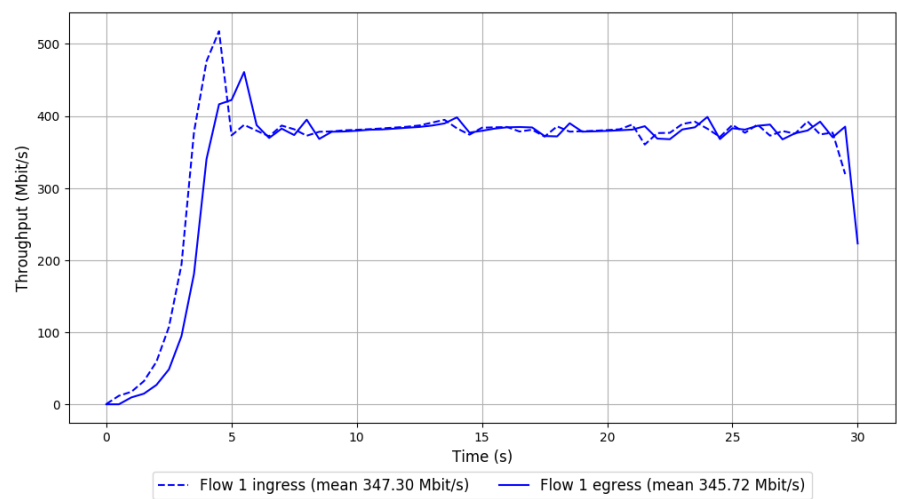


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-03 22:31:05
End at: 2018-07-03 22:31:35
Local clock offset: -0.177 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-07-04 02:58:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 127.626 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 127.626 ms
Loss rate: 1.19%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-03 22:54:12

End at: 2018-07-03 22:54:42

Local clock offset: -0.235 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-04 02:58:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.26 Mbit/s

95th percentile per-packet one-way delay: 154.820 ms

Loss rate: 0.97%

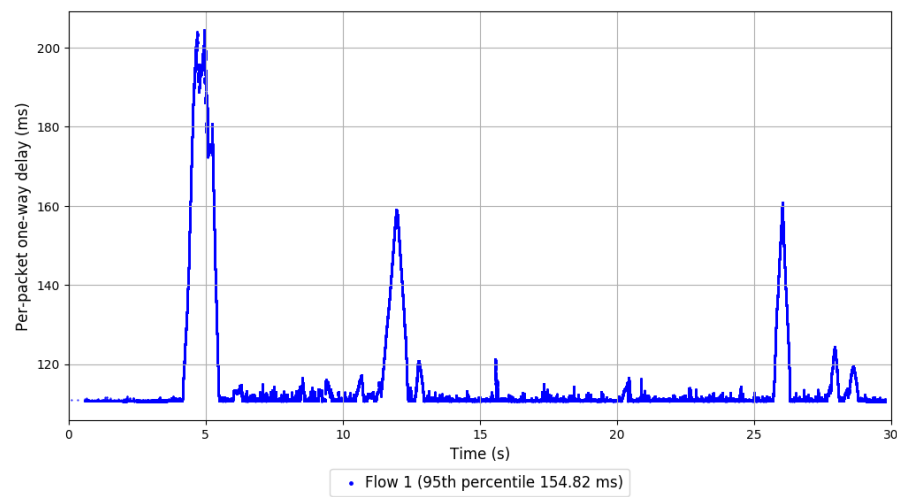
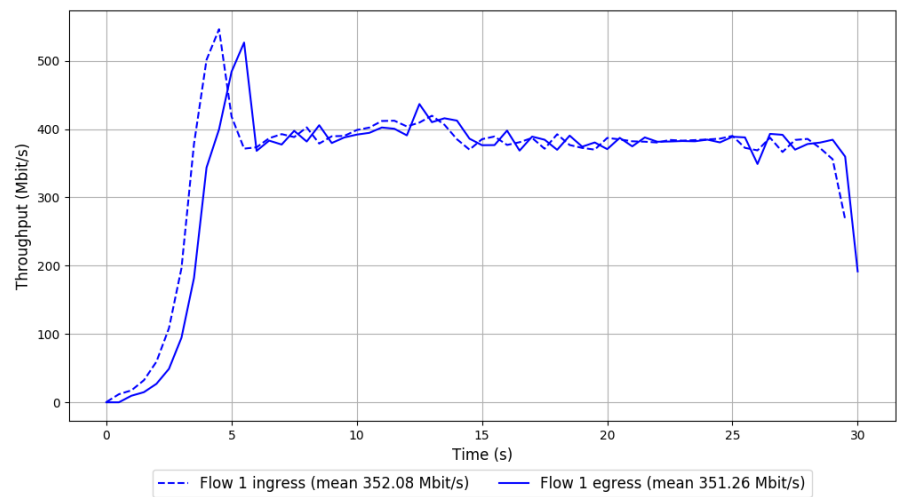
-- Flow 1:

Average throughput: 351.26 Mbit/s

95th percentile per-packet one-way delay: 154.820 ms

Loss rate: 0.97%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-03 23:17:16

End at: 2018-07-03 23:17:46

Local clock offset: -0.269 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-07-04 02:58:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.81 Mbit/s

95th percentile per-packet one-way delay: 220.391 ms

Loss rate: 5.03%

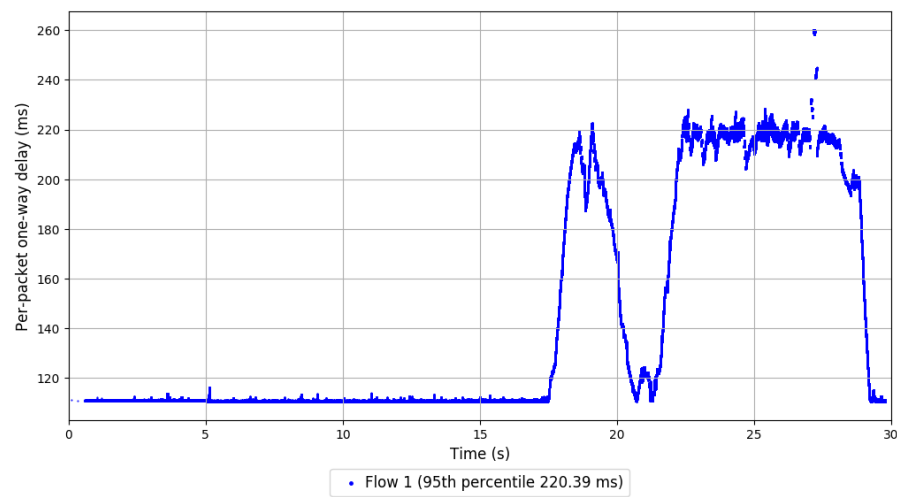
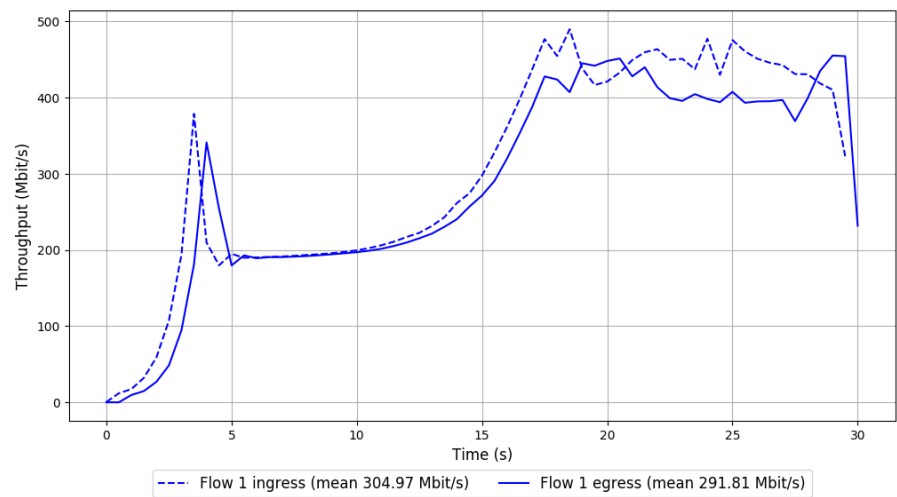
-- Flow 1:

Average throughput: 291.81 Mbit/s

95th percentile per-packet one-way delay: 220.391 ms

Loss rate: 5.03%

Run 4: Report of PCC-Expr — Data Link

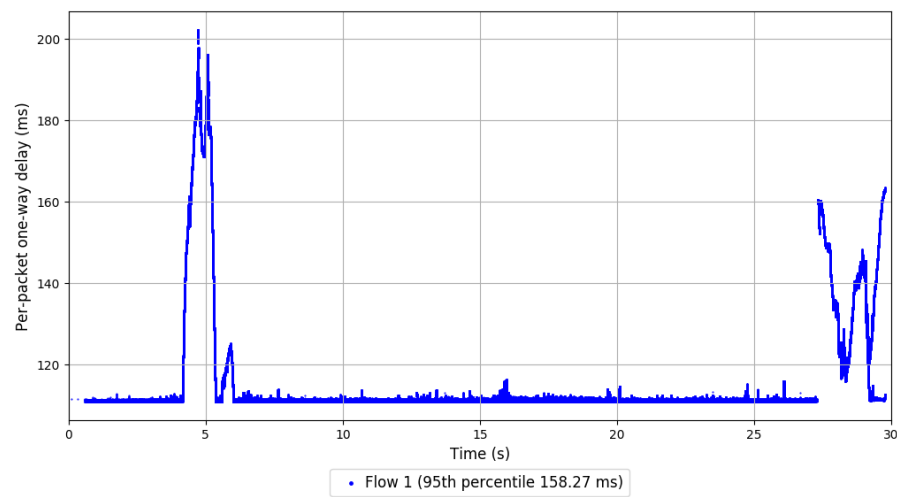
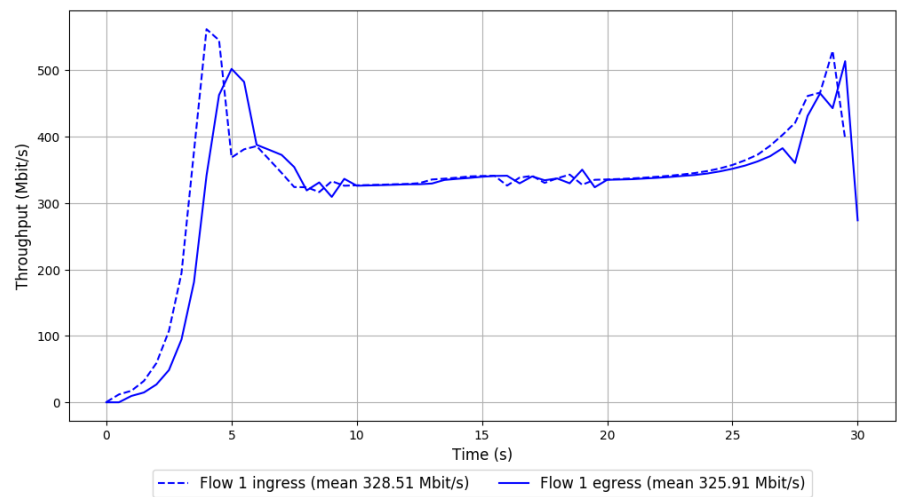


Run 5: Statistics of PCC-Expr

Start at: 2018-07-03 23:39:47
End at: 2018-07-03 23:40:17
Local clock offset: 0.027 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-04 02:58:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.91 Mbit/s
95th percentile per-packet one-way delay: 158.268 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 325.91 Mbit/s
95th percentile per-packet one-way delay: 158.268 ms
Loss rate: 1.53%

Run 5: Report of PCC-Expr — Data Link

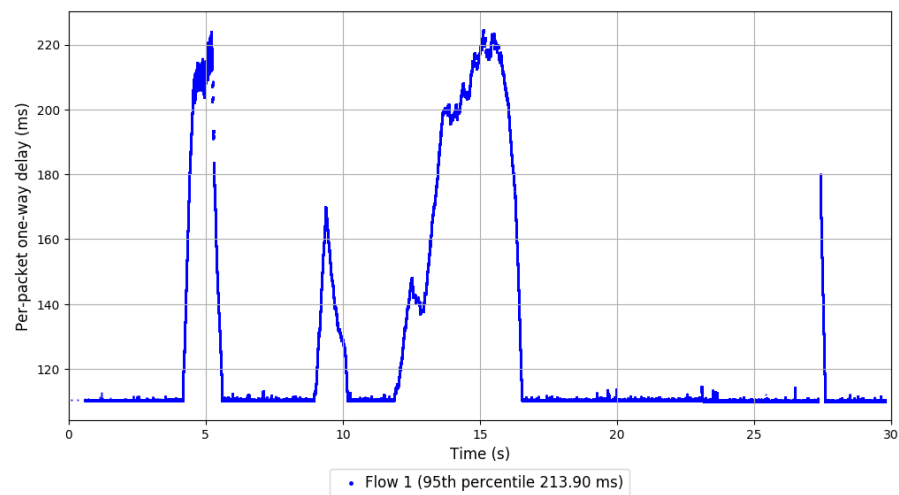
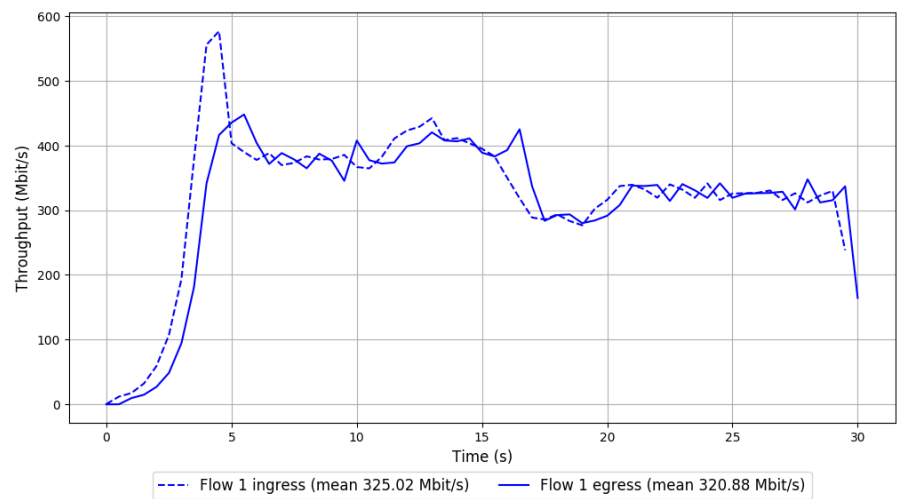


Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 00:02:28
End at: 2018-07-04 00:02:58
Local clock offset: -1.289 ms
Remote clock offset: -0.724 ms

Below is generated by plot.py at 2018-07-04 03:03:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 320.88 Mbit/s
95th percentile per-packet one-way delay: 213.897 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 320.88 Mbit/s
95th percentile per-packet one-way delay: 213.897 ms
Loss rate: 2.01%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 00:24:48

End at: 2018-07-04 00:25:18

Local clock offset: -0.11 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-04 03:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.93 Mbit/s

95th percentile per-packet one-way delay: 211.303 ms

Loss rate: 0.97%

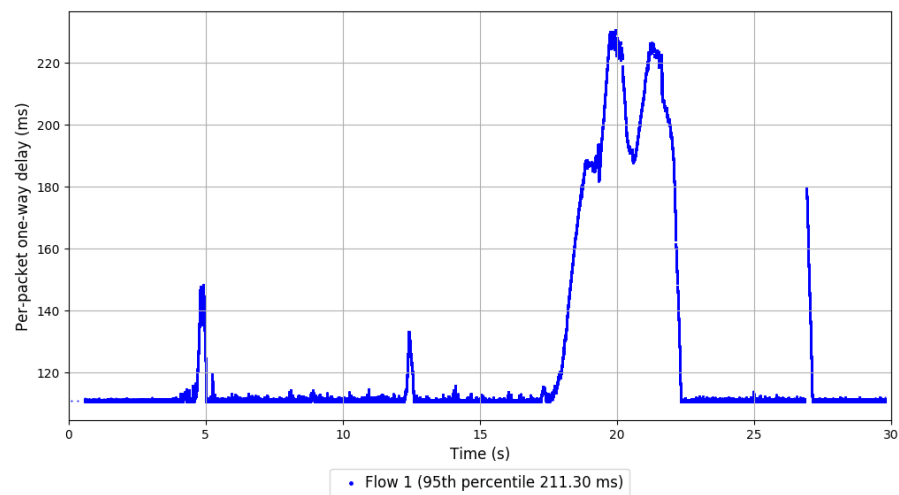
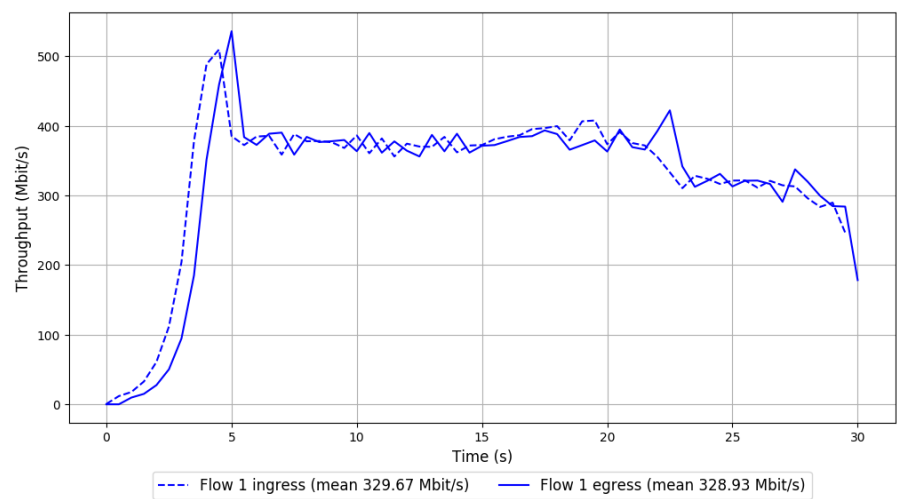
-- Flow 1:

Average throughput: 328.93 Mbit/s

95th percentile per-packet one-way delay: 211.303 ms

Loss rate: 0.97%

Run 7: Report of PCC-Expr — Data Link

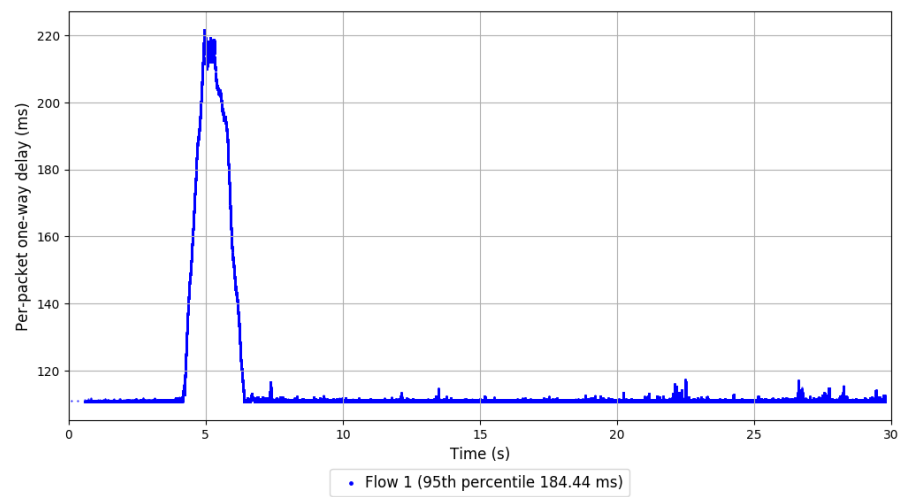
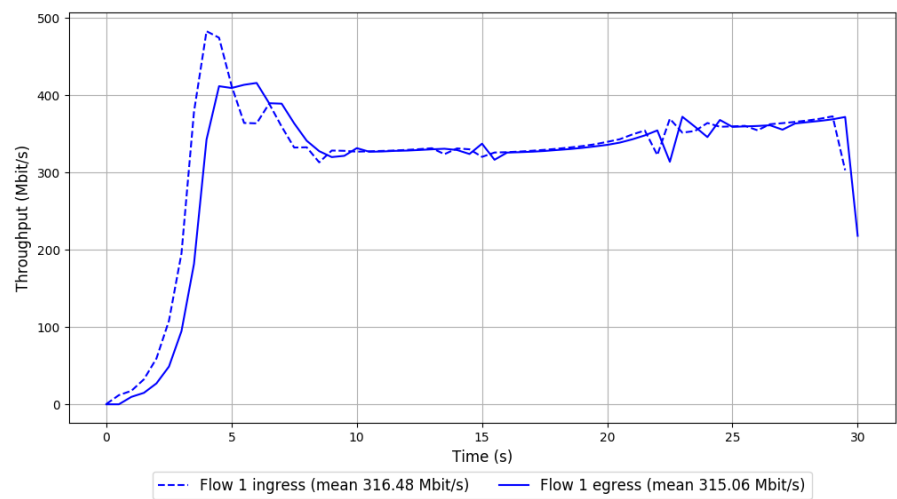


Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 00:48:00
End at: 2018-07-04 00:48:30
Local clock offset: -0.086 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-07-04 03:05:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.06 Mbit/s
95th percentile per-packet one-way delay: 184.441 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 315.06 Mbit/s
95th percentile per-packet one-way delay: 184.441 ms
Loss rate: 1.19%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 01:10:32

End at: 2018-07-04 01:11:02

Local clock offset: 0.022 ms

Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-07-04 03:05:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.80 Mbit/s

95th percentile per-packet one-way delay: 111.313 ms

Loss rate: 1.31%

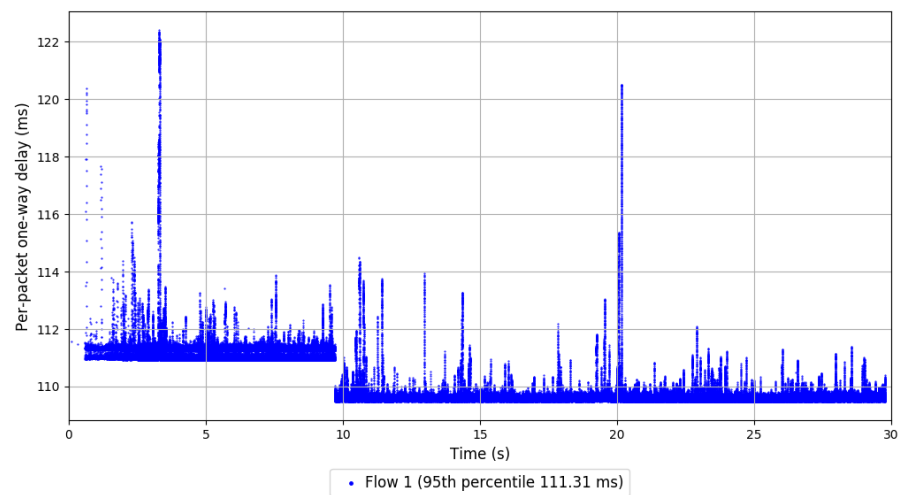
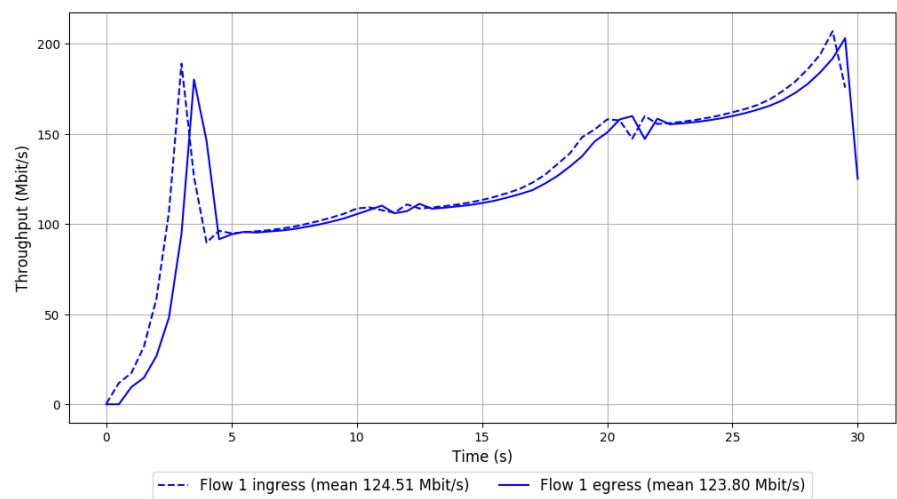
-- Flow 1:

Average throughput: 123.80 Mbit/s

95th percentile per-packet one-way delay: 111.313 ms

Loss rate: 1.31%

Run 9: Report of PCC-Expr — Data Link

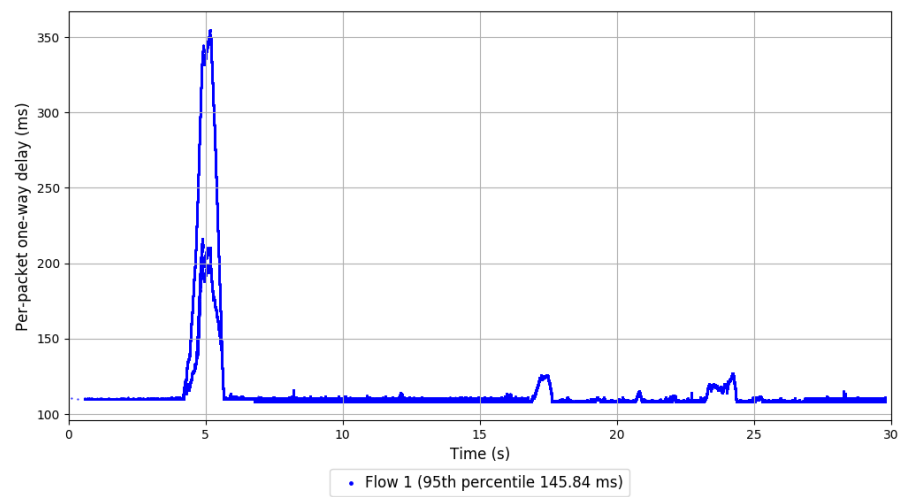
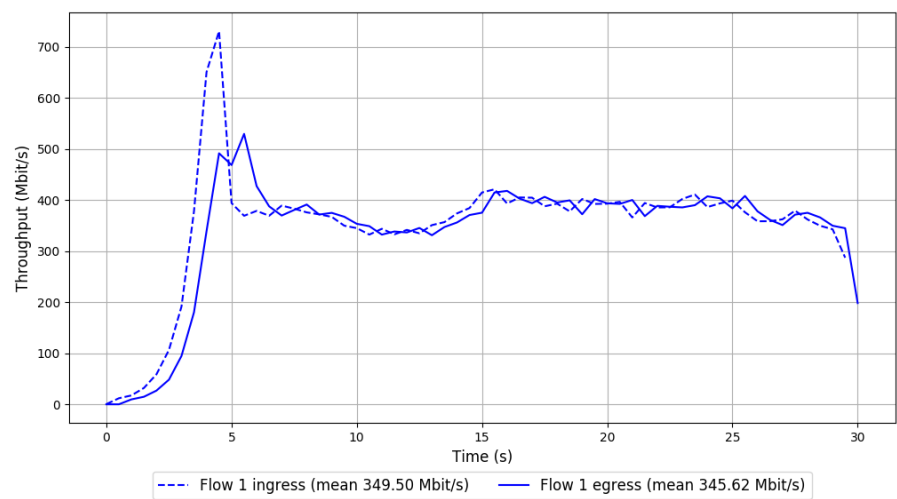


Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 01:32:25
End at: 2018-07-04 01:32:55
Local clock offset: -1.468 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-07-04 03:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.62 Mbit/s
95th percentile per-packet one-way delay: 145.839 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 345.62 Mbit/s
95th percentile per-packet one-way delay: 145.839 ms
Loss rate: 1.85%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

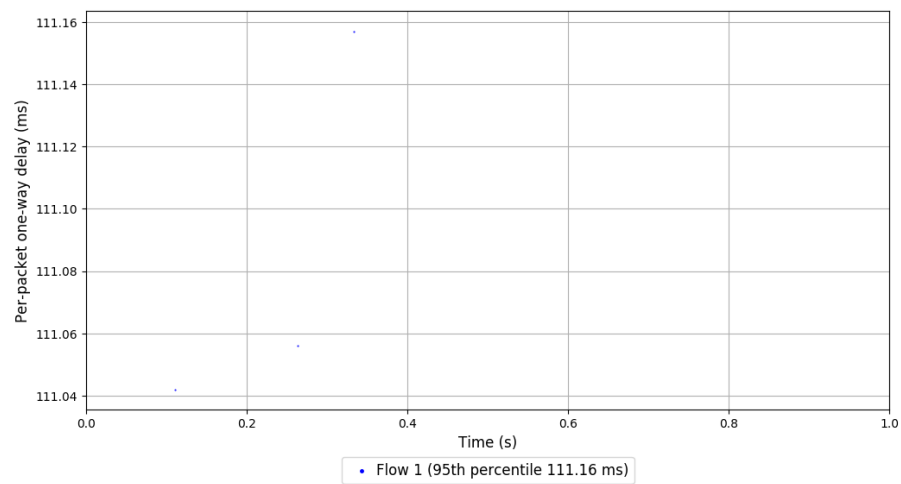
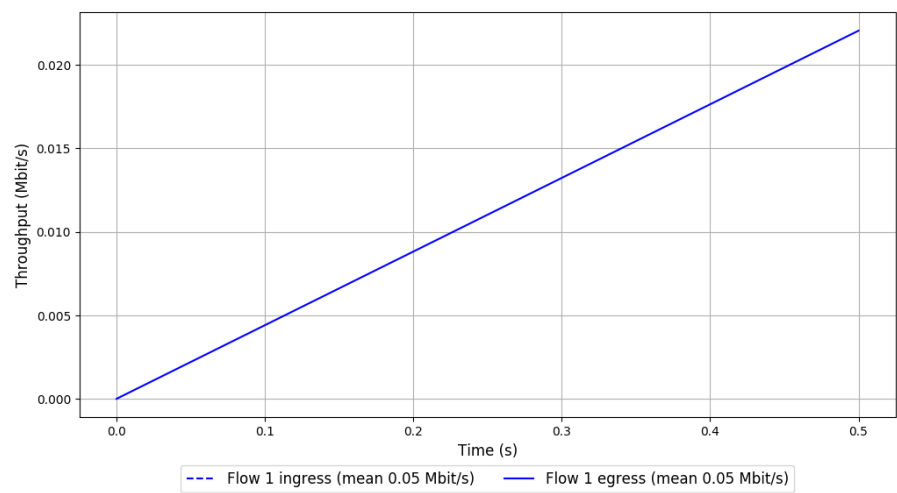
Start at: 2018-07-03 22:04:09

End at: 2018-07-03 22:04:39

Local clock offset: 0.058 ms

Remote clock offset: -0.101 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

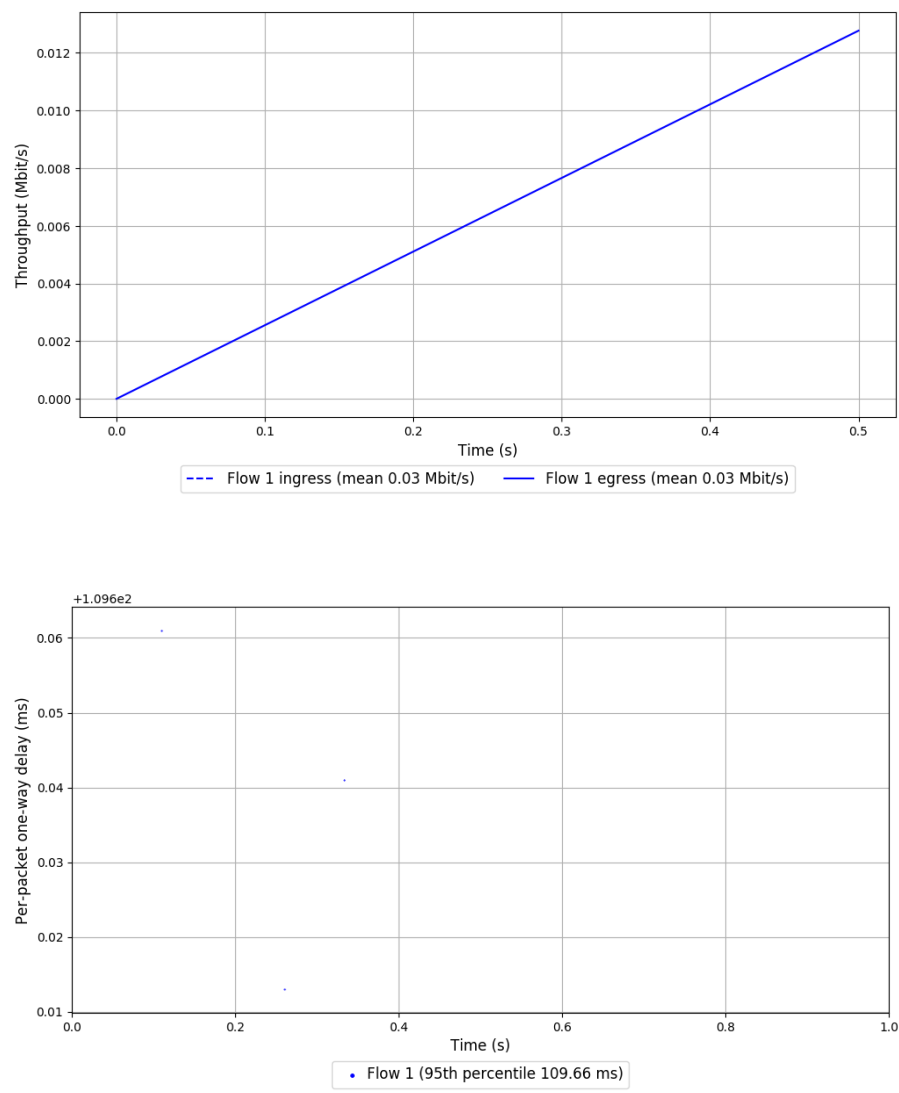
Start at: 2018-07-03 22:27:03

End at: 2018-07-03 22:27:33

Local clock offset: -1.41 ms

Remote clock offset: -0.003 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-03 22:50:11

End at: 2018-07-03 22:50:41

Local clock offset: 1.332 ms

Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-04 03:08:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 112.753 ms

Loss rate: 1.03%

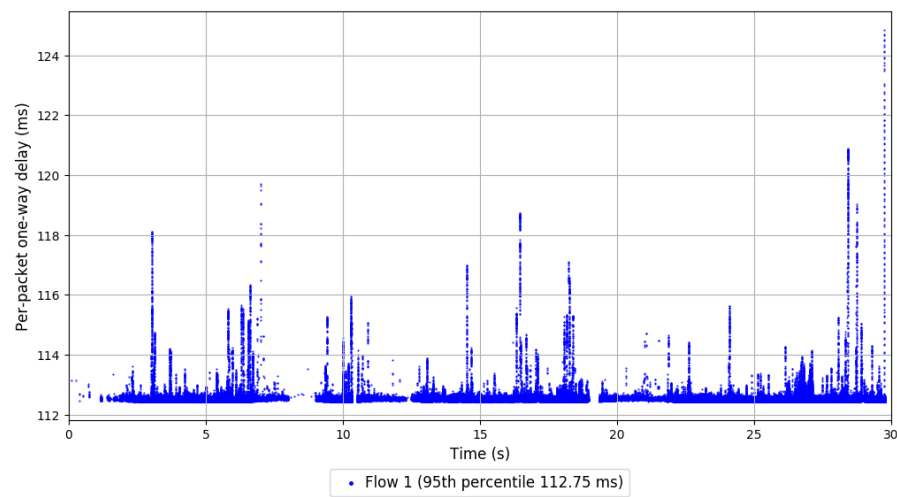
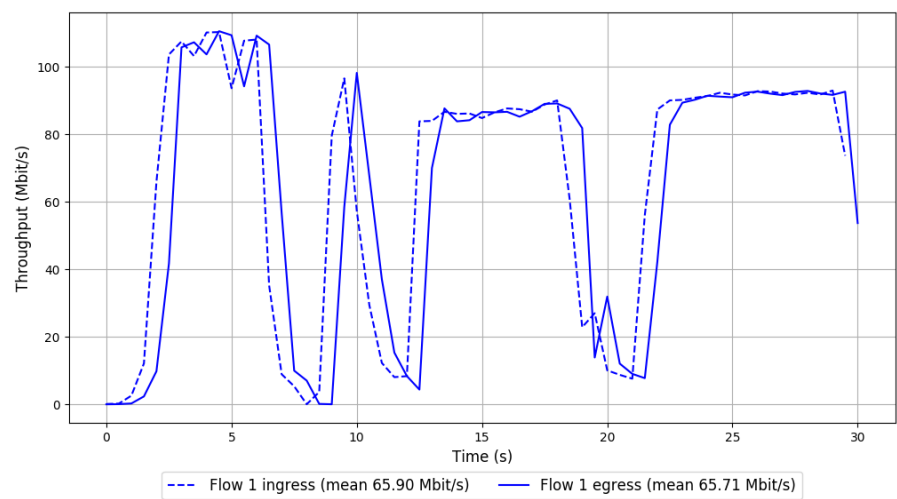
-- Flow 1:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 112.753 ms

Loss rate: 1.03%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-03 23:13:10

End at: 2018-07-03 23:13:40

Local clock offset: -0.212 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-07-04 03:08:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.95 Mbit/s

95th percentile per-packet one-way delay: 110.919 ms

Loss rate: 0.92%

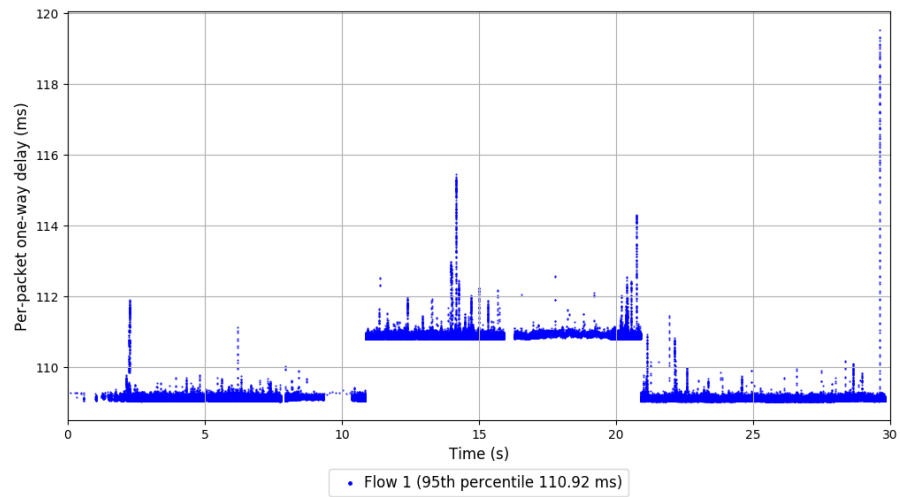
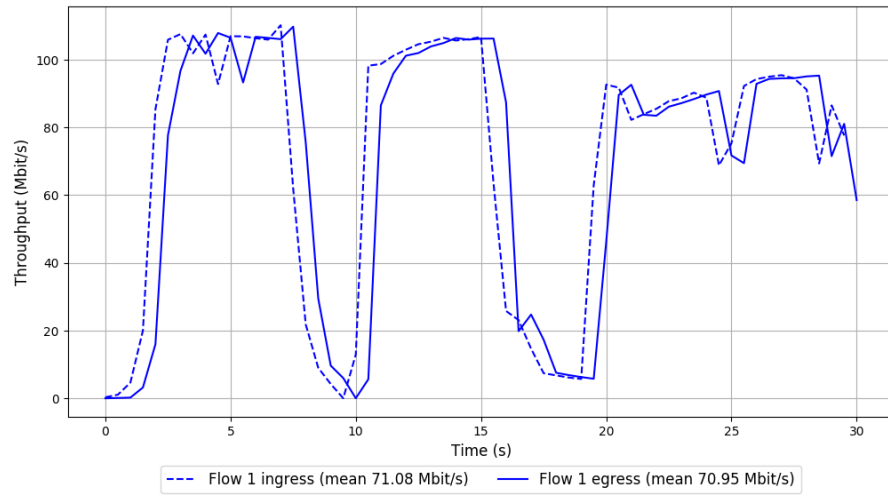
-- Flow 1:

Average throughput: 70.95 Mbit/s

95th percentile per-packet one-way delay: 110.919 ms

Loss rate: 0.92%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

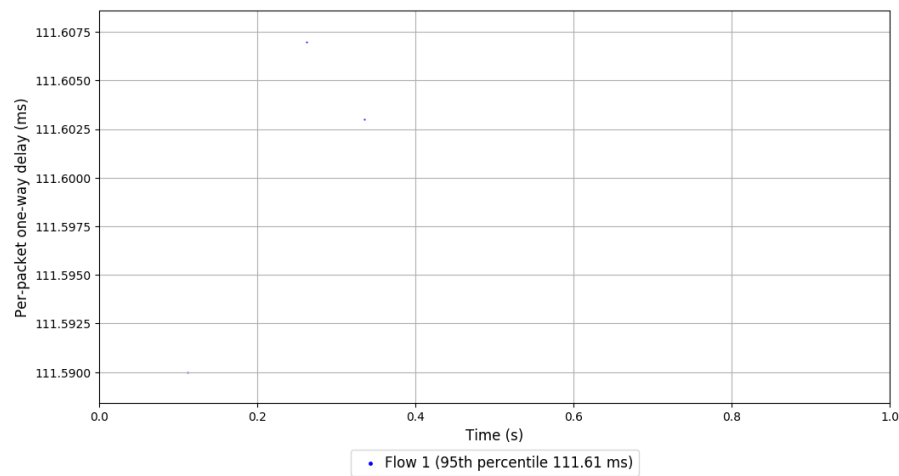
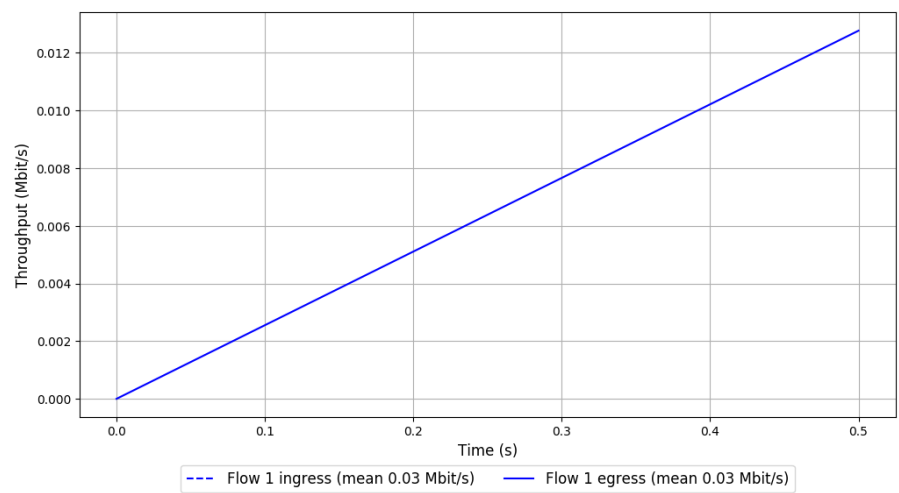
Start at: 2018-07-03 23:36:12

End at: 2018-07-03 23:36:42

Local clock offset: 0.279 ms

Remote clock offset: 0.027 ms

Run 5: Report of QUIC Cubic — Data Link

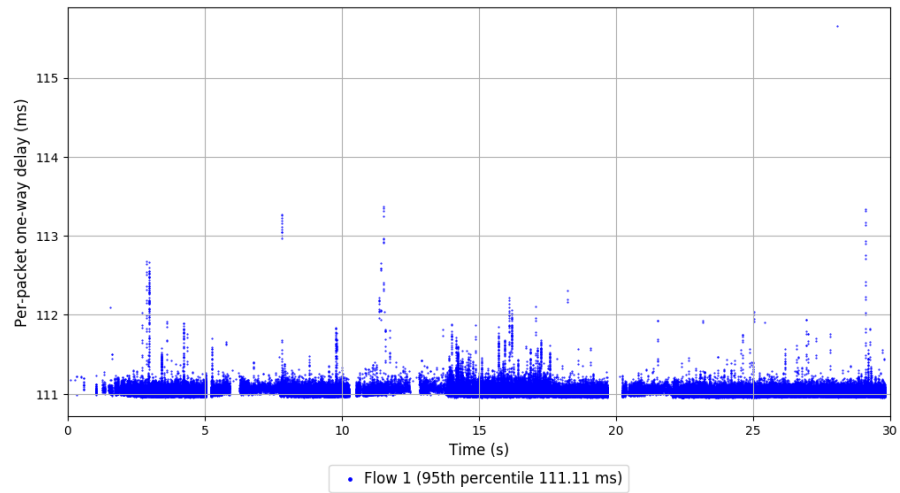
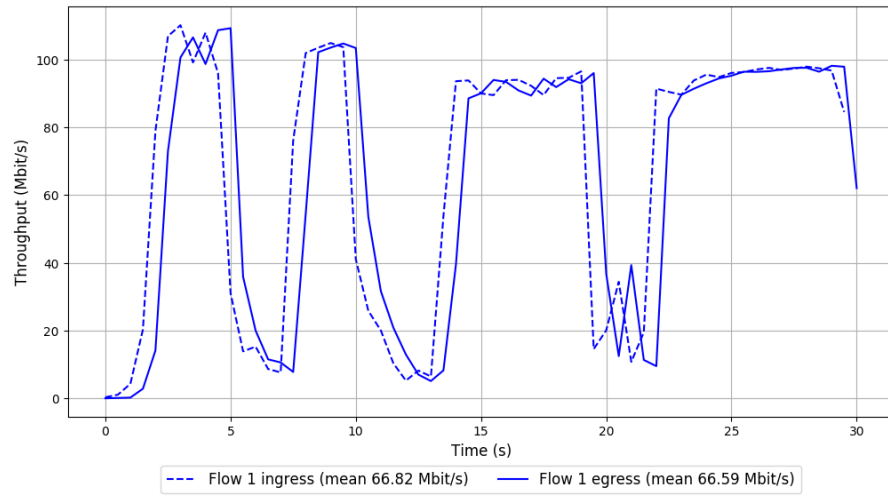


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-03 23:58:51
End at: 2018-07-03 23:59:21
Local clock offset: -0.219 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-07-04 03:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 111.113 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 111.113 ms
Loss rate: 1.09%

Run 6: Report of QUIC Cubic — Data Link

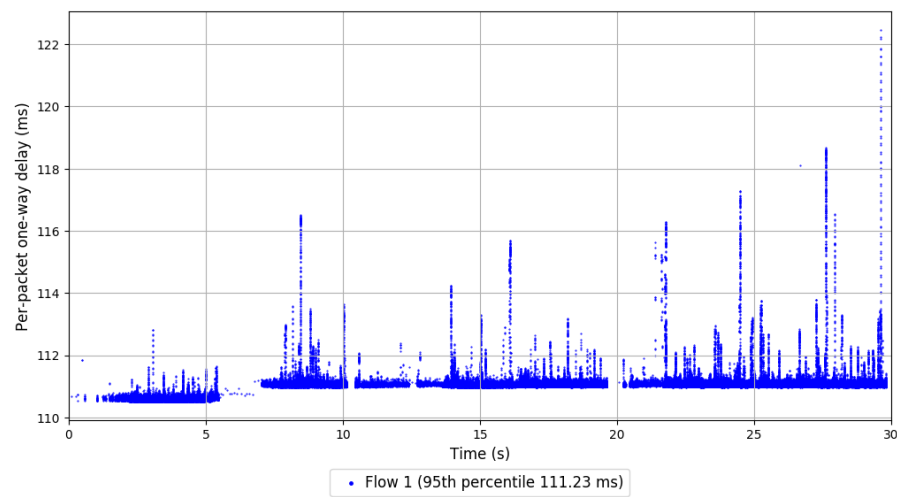
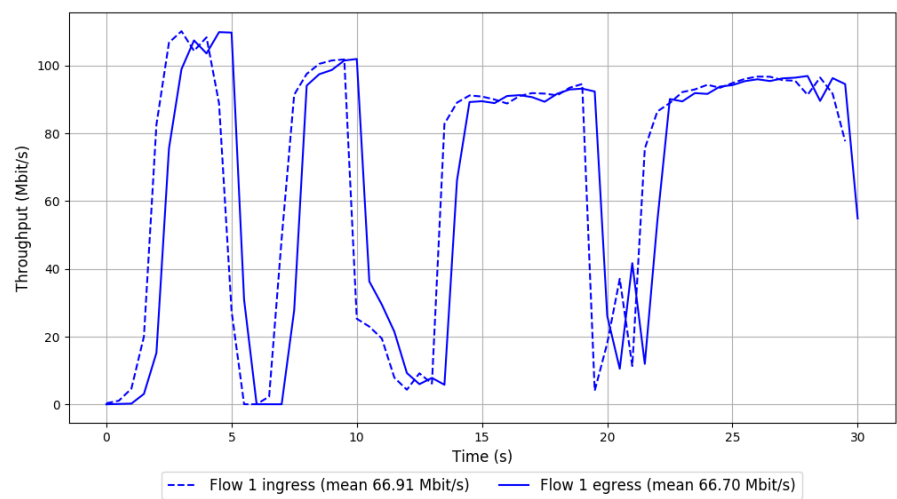


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 00:21:05
End at: 2018-07-04 00:21:35
Local clock offset: -0.177 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-04 03:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 111.227 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 111.227 ms
Loss rate: 1.05%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

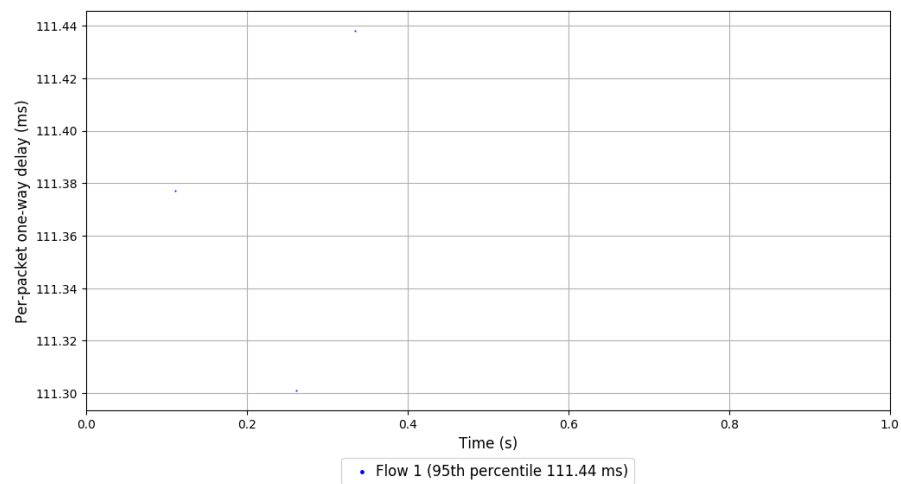
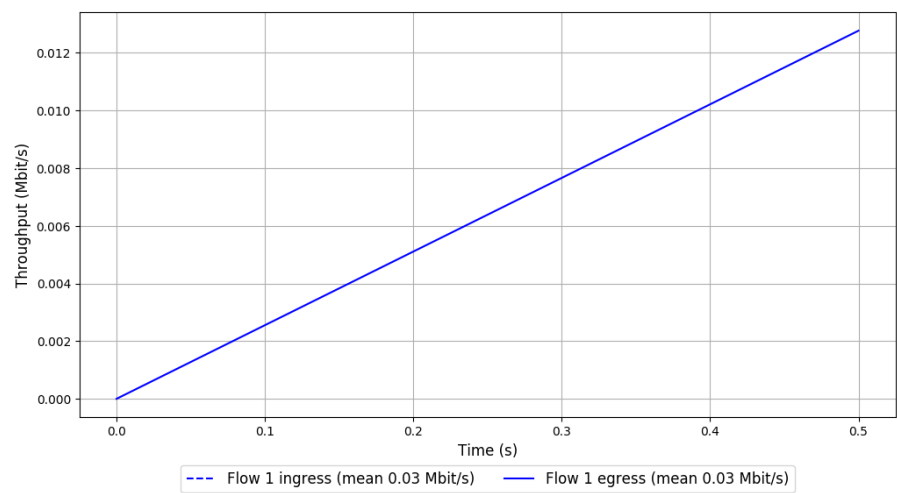
Start at: 2018-07-04 00:44:02

End at: 2018-07-04 00:44:32

Local clock offset: -0.173 ms

Remote clock offset: -0.3 ms

Run 8: Report of QUIC Cubic — Data Link

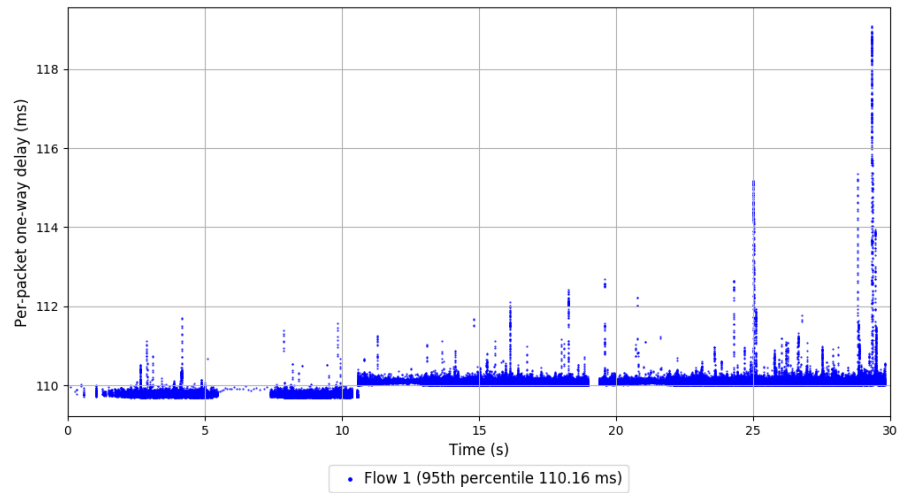
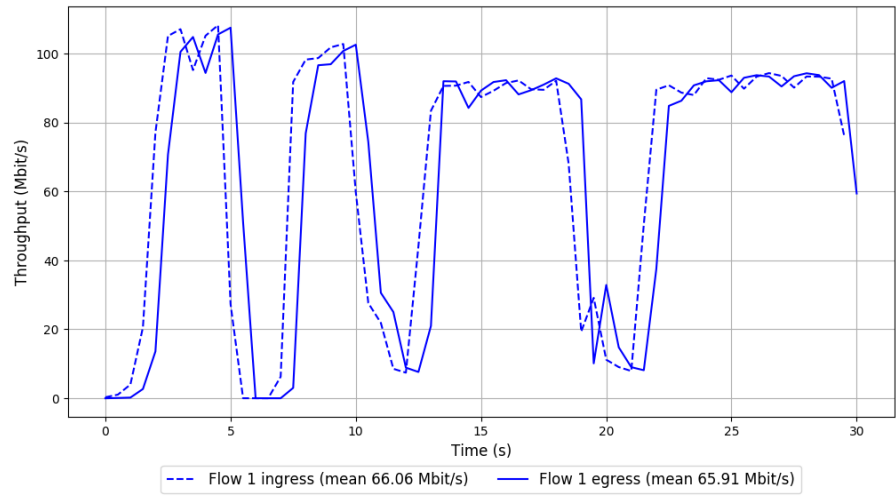


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 01:06:51
End at: 2018-07-04 01:07:21
Local clock offset: -1.218 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-07-04 03:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 110.162 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 110.162 ms
Loss rate: 0.98%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 01:28:42

End at: 2018-07-04 01:29:12

Local clock offset: -0.099 ms

Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-07-04 03:08:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.65 Mbit/s

95th percentile per-packet one-way delay: 111.295 ms

Loss rate: 1.06%

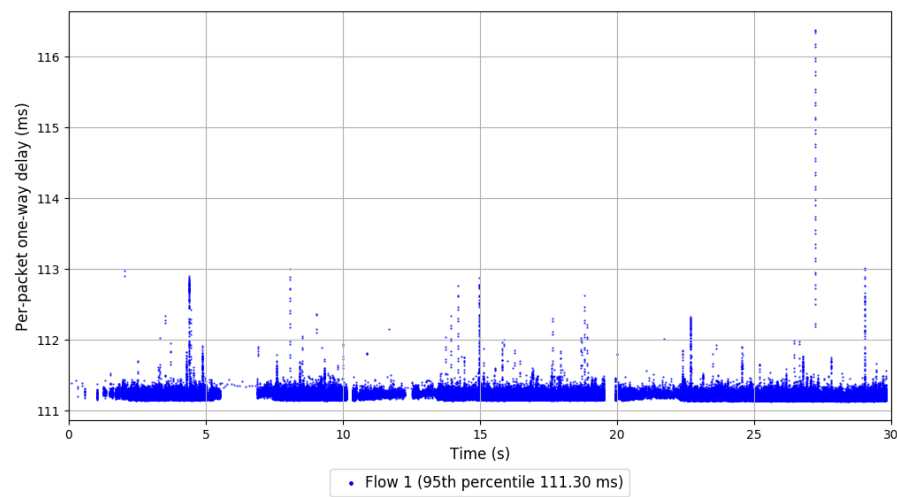
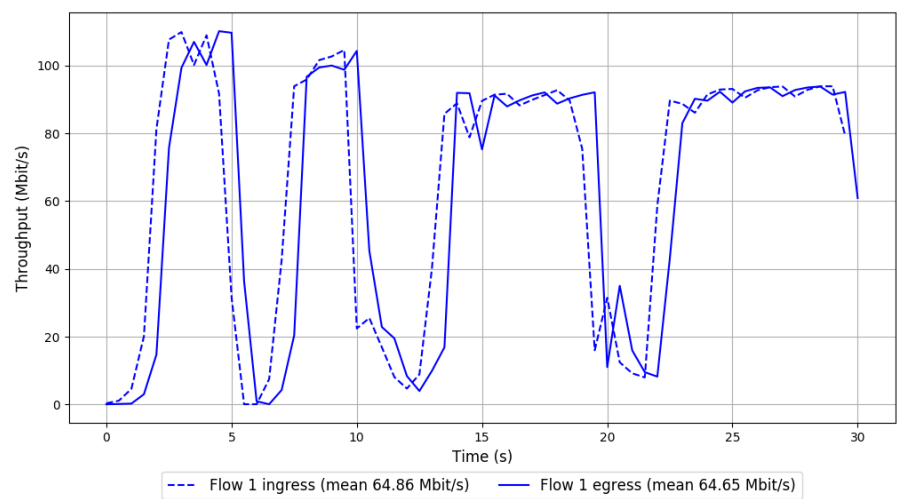
-- Flow 1:

Average throughput: 64.65 Mbit/s

95th percentile per-packet one-way delay: 111.295 ms

Loss rate: 1.06%

Run 10: Report of QUIC Cubic — Data Link

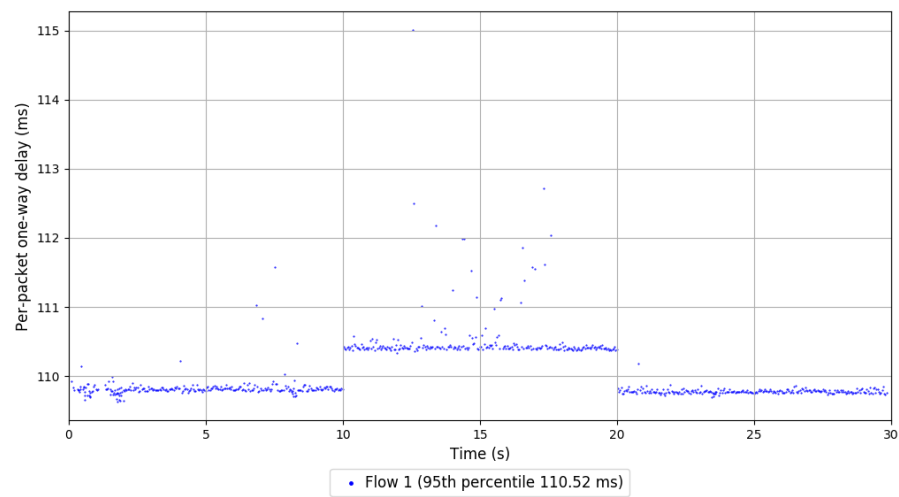
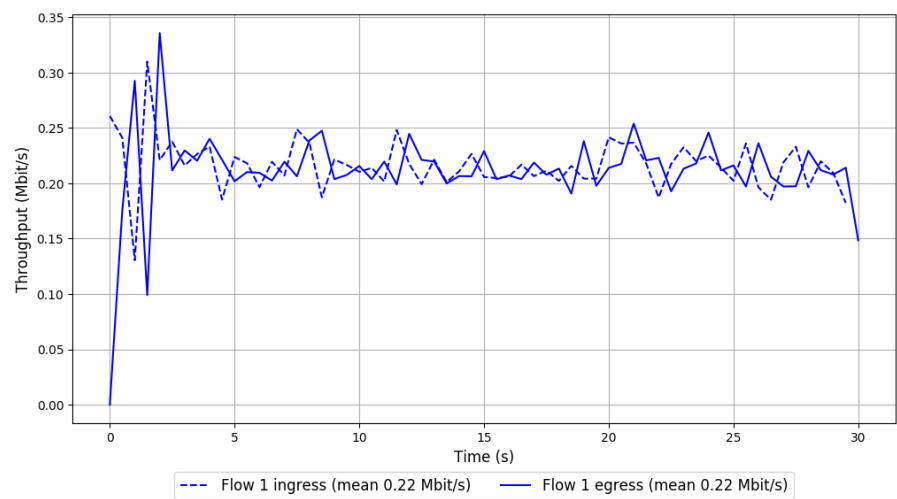


```
Run 1: Statistics of SCReAM

Start at: 2018-07-03 22:11:01
End at: 2018-07-03 22:11:31
Local clock offset: -0.148 ms
Remote clock offset: 0.304 ms

# Below is generated by plot.py at 2018-07-04 03:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.524 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.524 ms
Loss rate: 0.64%
```

Run 1: Report of SReAM — Data Link

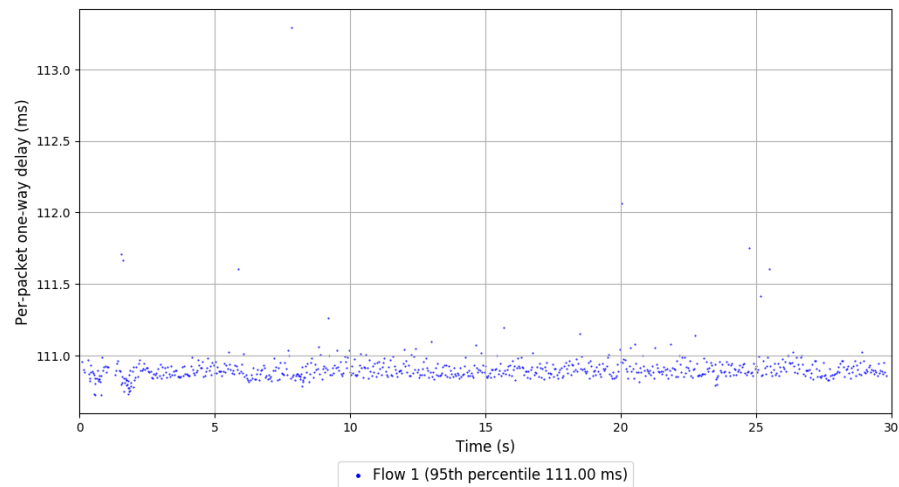
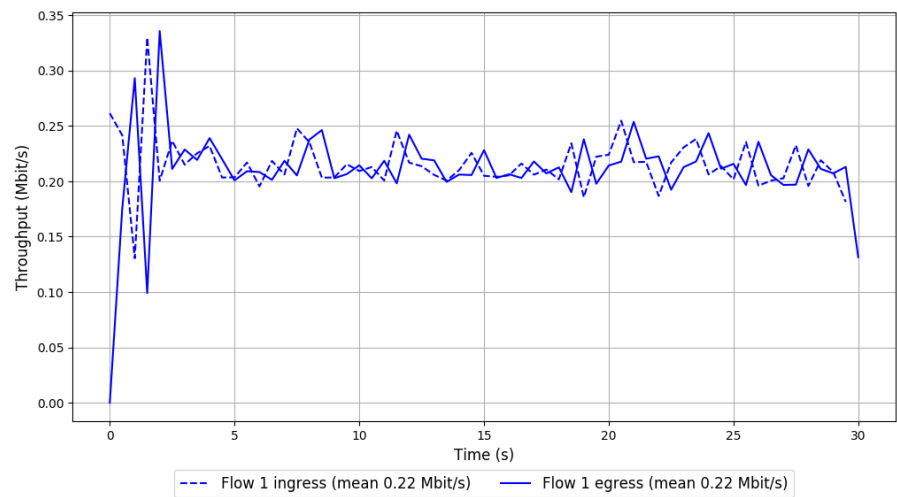


```
Run 2: Statistics of SCReAM

Start at: 2018-07-03 22:34:15
End at: 2018-07-03 22:34:45
Local clock offset: -0.204 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-07-04 03:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.002 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.002 ms
Loss rate: 0.76%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-03 22:57:20

End at: 2018-07-03 22:57:50

Local clock offset: -1.461 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.668 ms

Loss rate: 0.76%

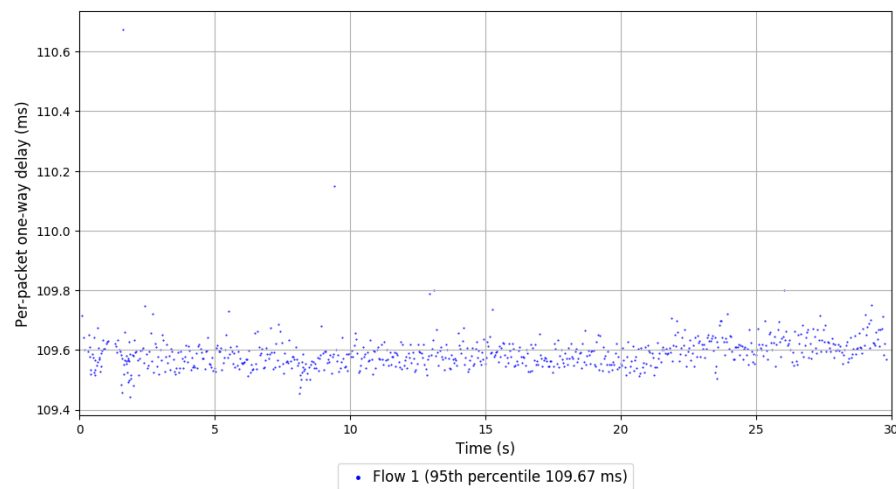
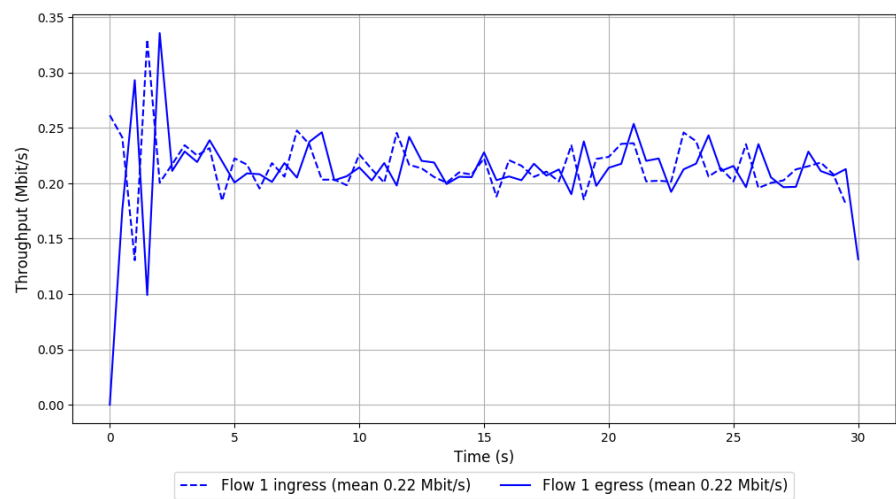
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.668 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-03 23:20:20

End at: 2018-07-03 23:20:51

Local clock offset: -1.441 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.507 ms

Loss rate: 0.64%

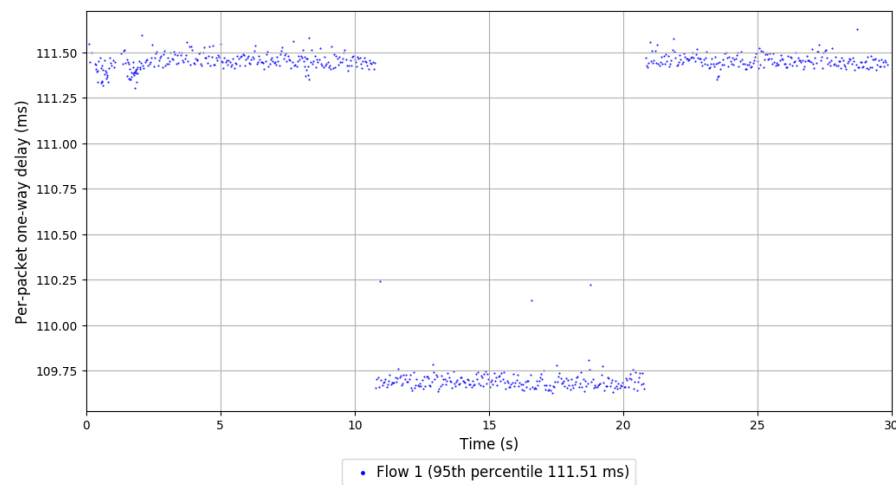
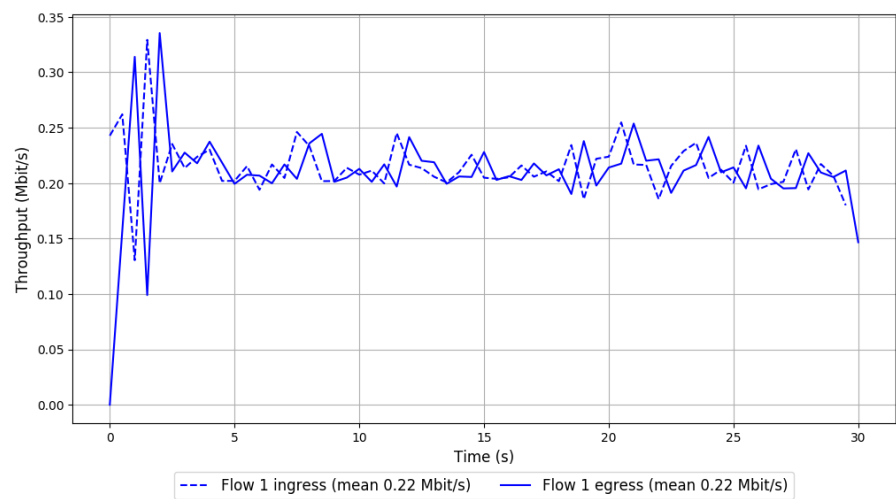
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.507 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

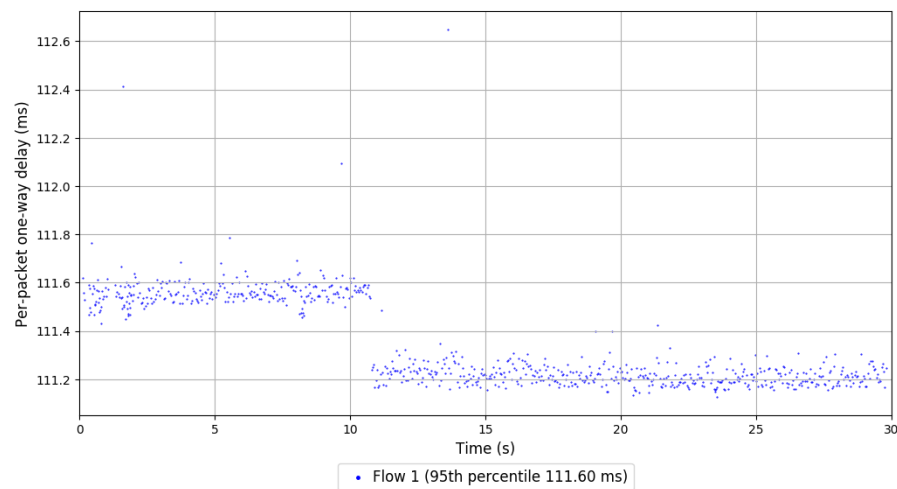
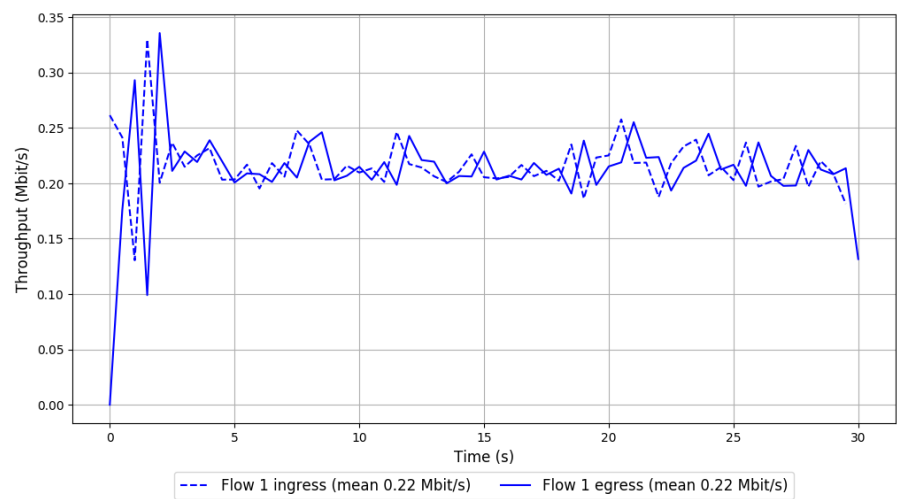


Run 5: Statistics of SCReAM

Start at: 2018-07-03 23:42:51
End at: 2018-07-03 23:43:21
Local clock offset: 0.238 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 0.76%

Run 5: Report of SReAM — Data Link

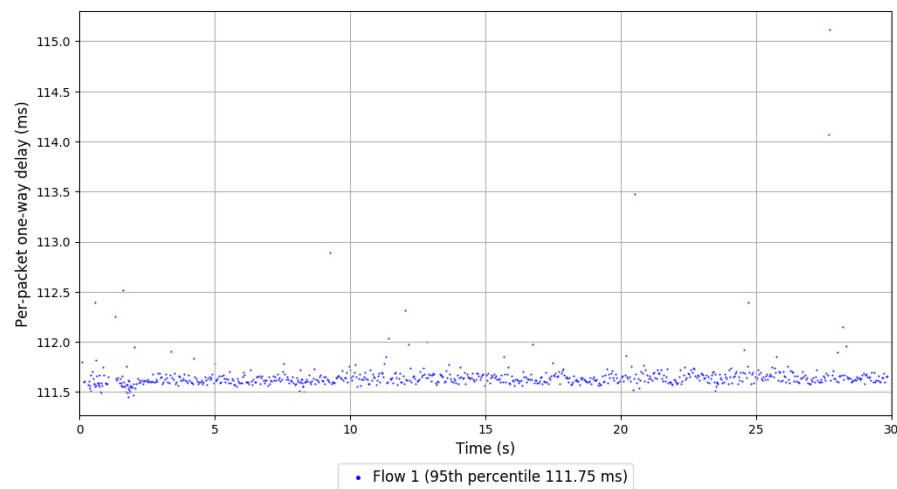
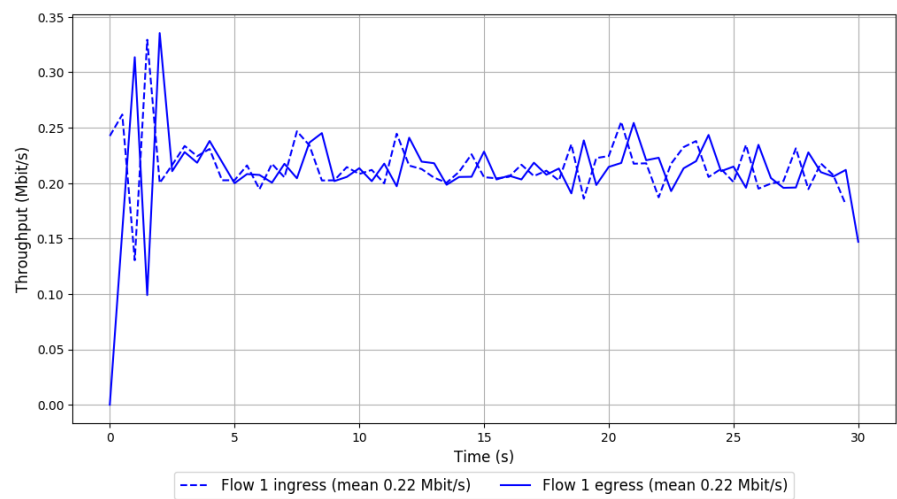


Run 6: Statistics of SCReAM

Start at: 2018-07-04 00:05:16
End at: 2018-07-04 00:05:46
Local clock offset: 0.112 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.751 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.751 ms
Loss rate: 0.64%

Run 6: Report of SReAM — Data Link

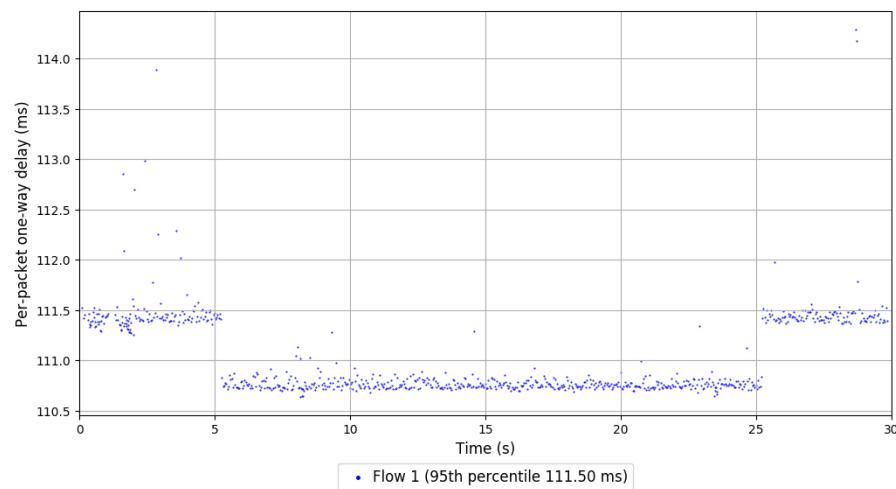
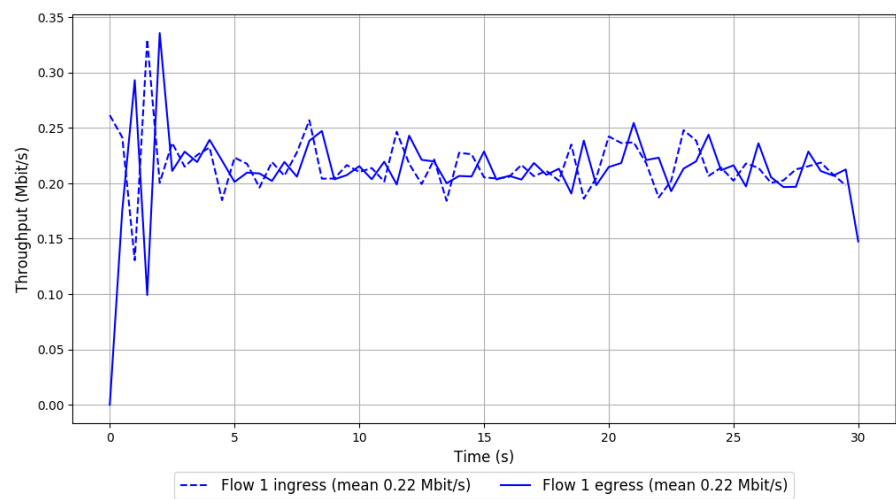


Run 7: Statistics of SCReAM

Start at: 2018-07-04 00:27:56
End at: 2018-07-04 00:28:26
Local clock offset: -0.129 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.497 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.497 ms
Loss rate: 0.77%

Run 7: Report of SReAM — Data Link

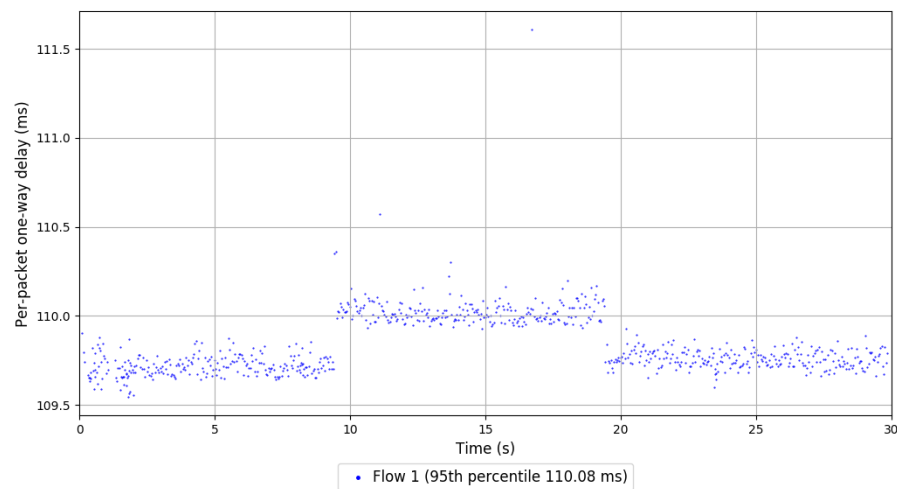
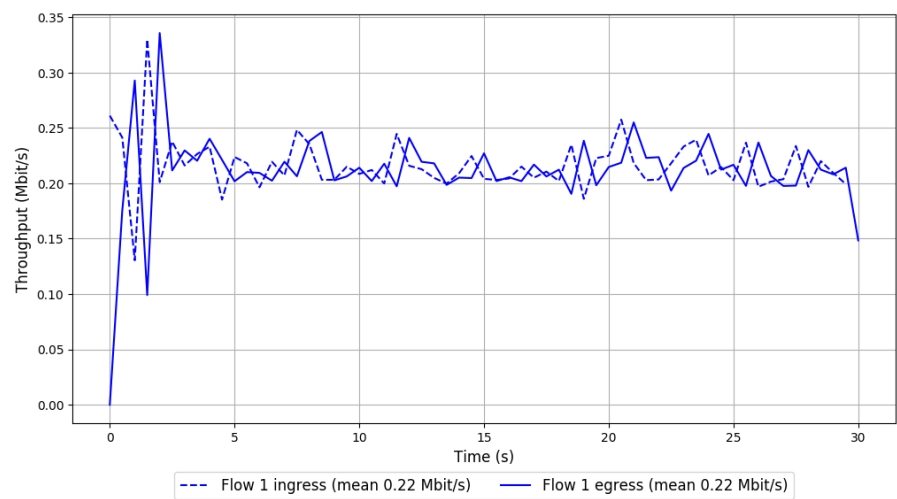


Run 8: Statistics of SCReAM

Start at: 2018-07-04 00:51:02
End at: 2018-07-04 00:51:32
Local clock offset: -1.421 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.082 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.082 ms
Loss rate: 0.77%

Run 8: Report of SReAM — Data Link

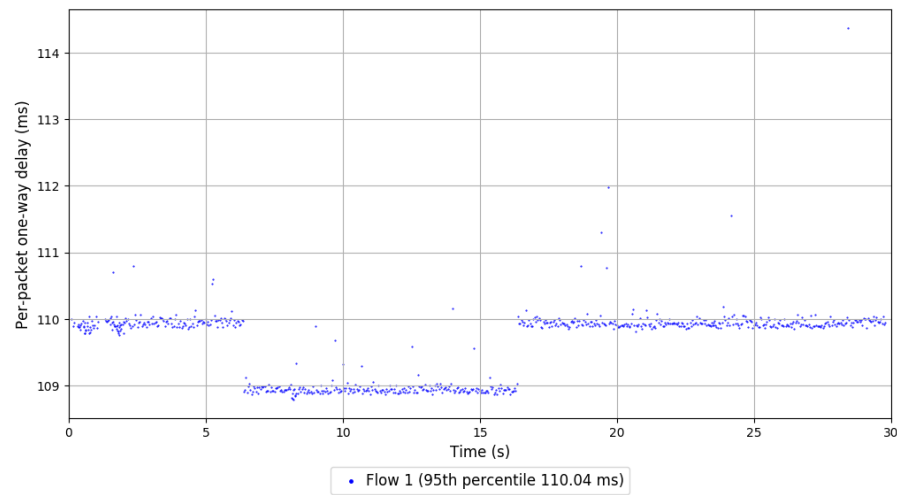
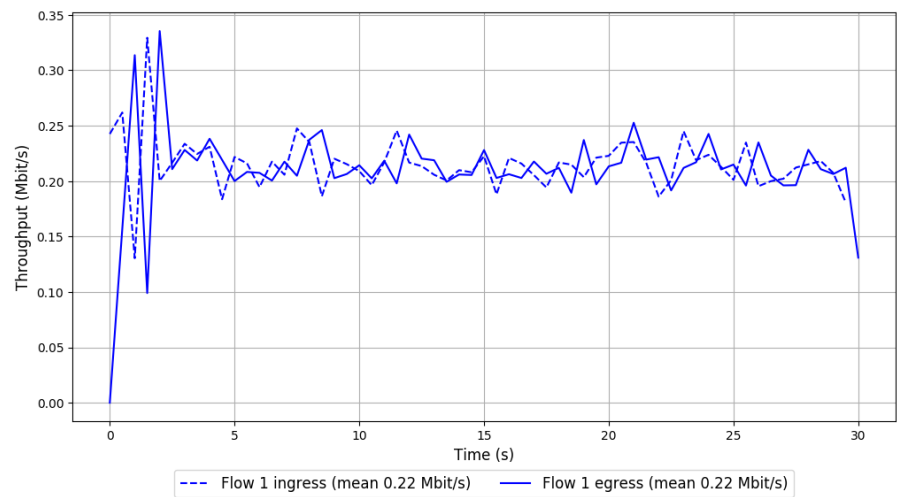


Run 9: Statistics of SCReAM

Start at: 2018-07-04 01:13:05
End at: 2018-07-04 01:13:35
Local clock offset: -1.524 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.039 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.039 ms
Loss rate: 0.76%

Run 9: Report of SReAM — Data Link

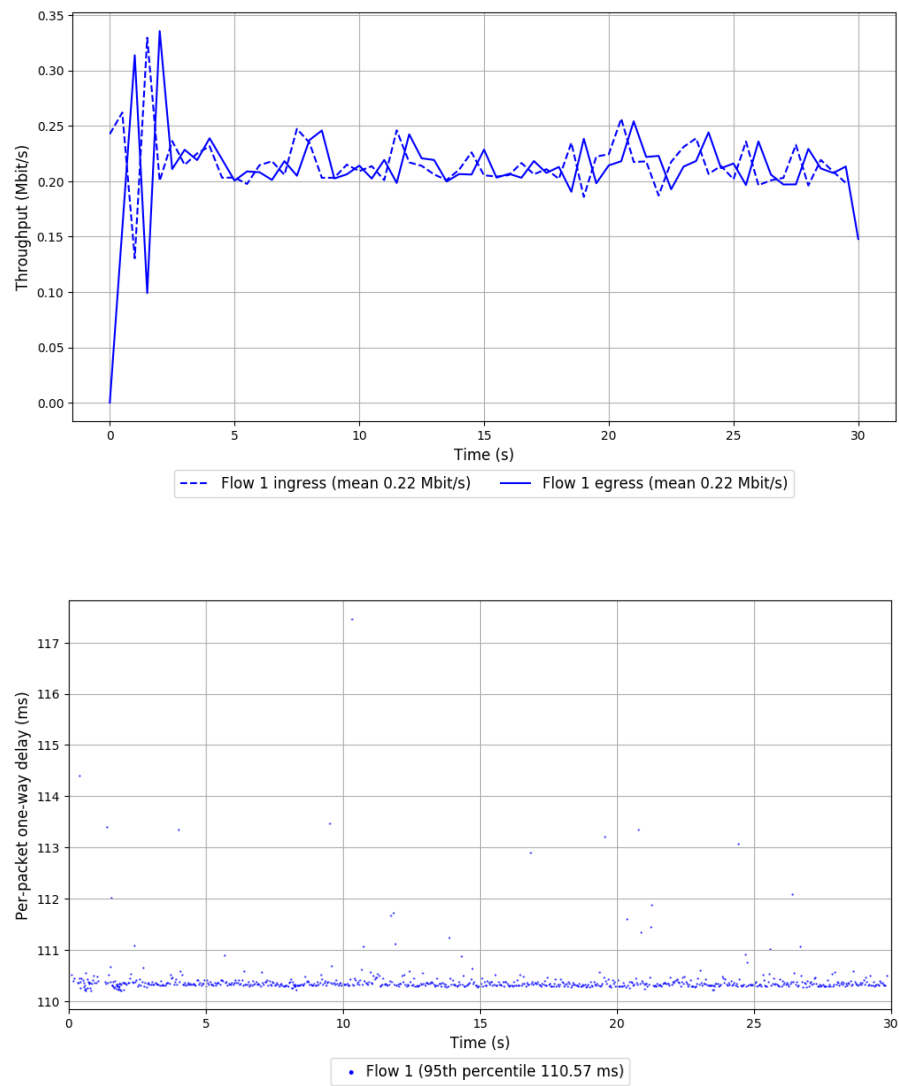


Run 10: Statistics of SCReAM

Start at: 2018-07-04 01:35:29
End at: 2018-07-04 01:35:59
Local clock offset: -1.417 ms
Remote clock offset: -0.839 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.567 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.567 ms
Loss rate: 0.77%

Run 10: Report of SReAM — Data Link

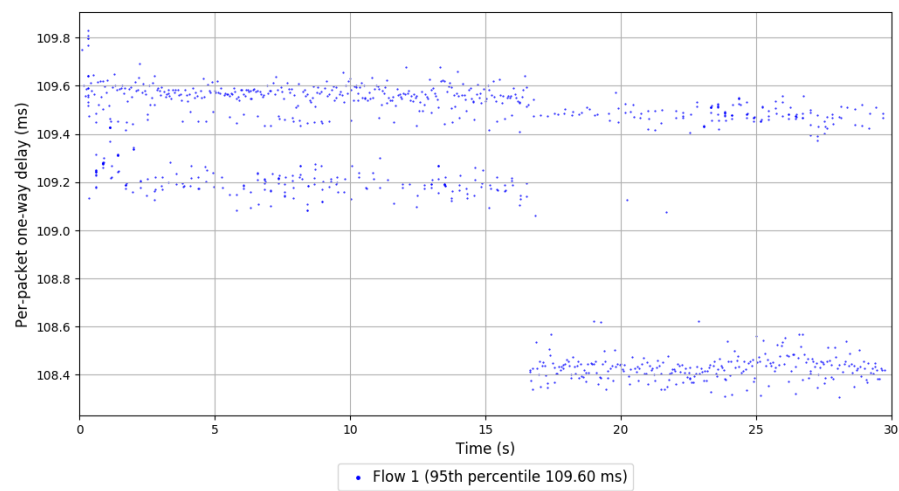
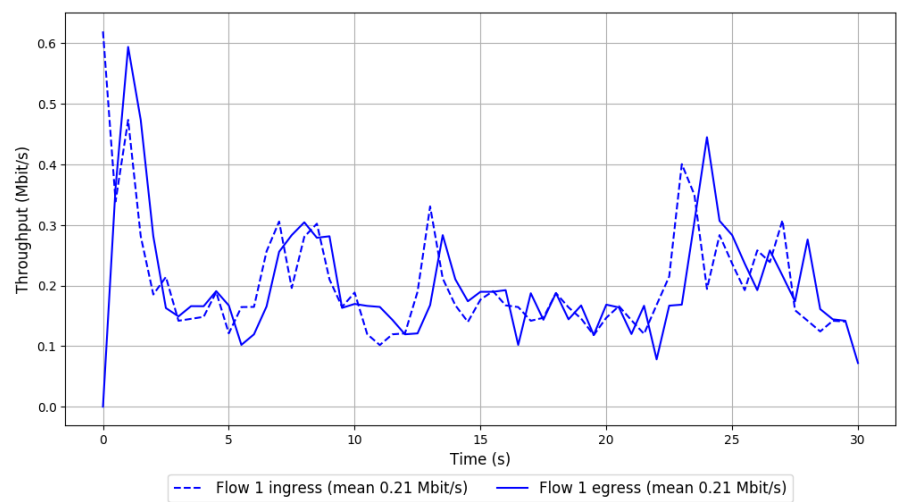


```
Run 1: Statistics of Sprout

Start at: 2018-07-03 21:56:35
End at: 2018-07-03 21:57:05
Local clock offset: -1.465 ms
Remote clock offset: 0.323 ms

# Below is generated by plot.py at 2018-07-04 03:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 109.604 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 109.604 ms
Loss rate: 0.58%
```

Run 1: Report of Sprout — Data Link

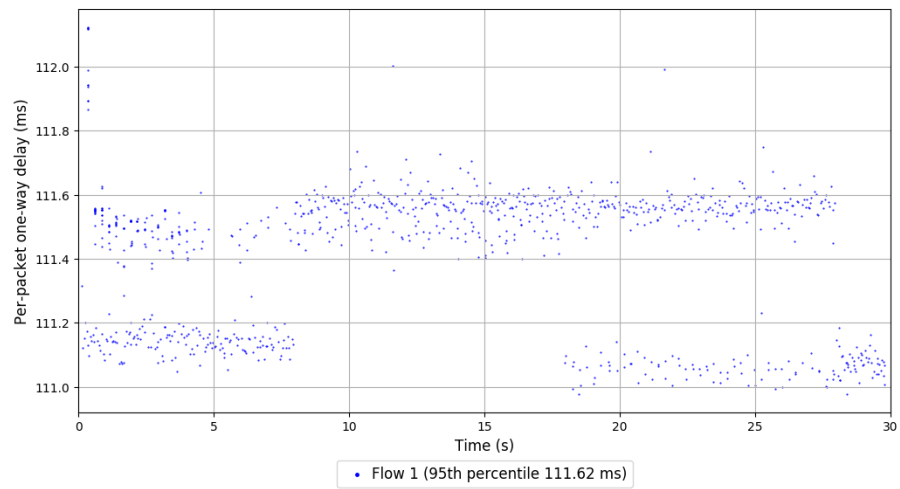
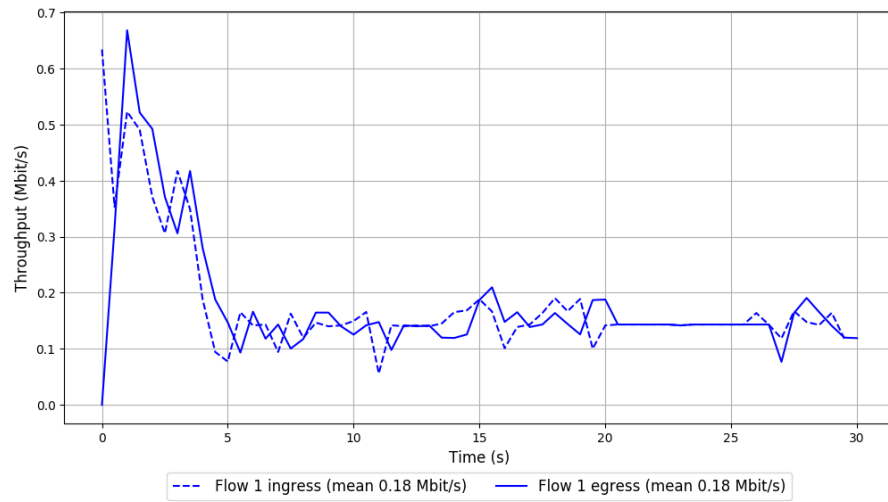


Run 2: Statistics of Sprout

Start at: 2018-07-03 22:19:23
End at: 2018-07-03 22:19:53
Local clock offset: 0.11 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.625 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.625 ms
Loss rate: 0.44%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-03 22:42:27

End at: 2018-07-03 22:42:57

Local clock offset: -0.222 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.826 ms

Loss rate: 0.24%

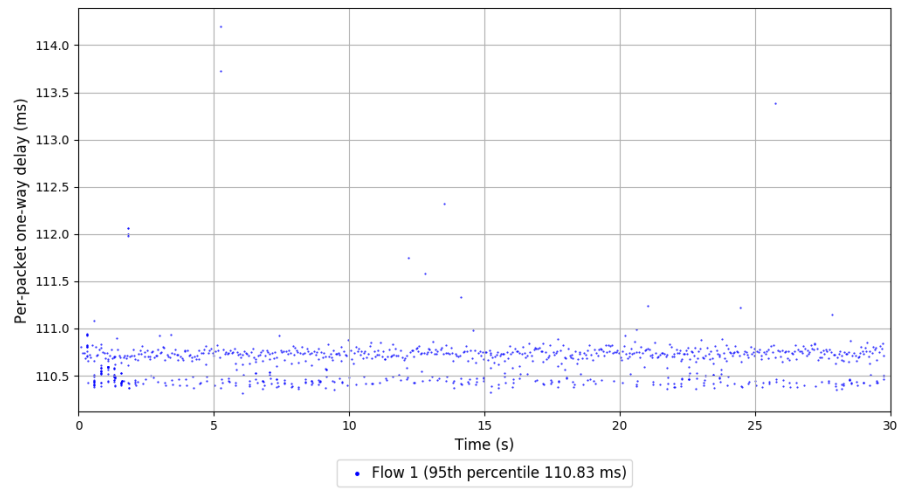
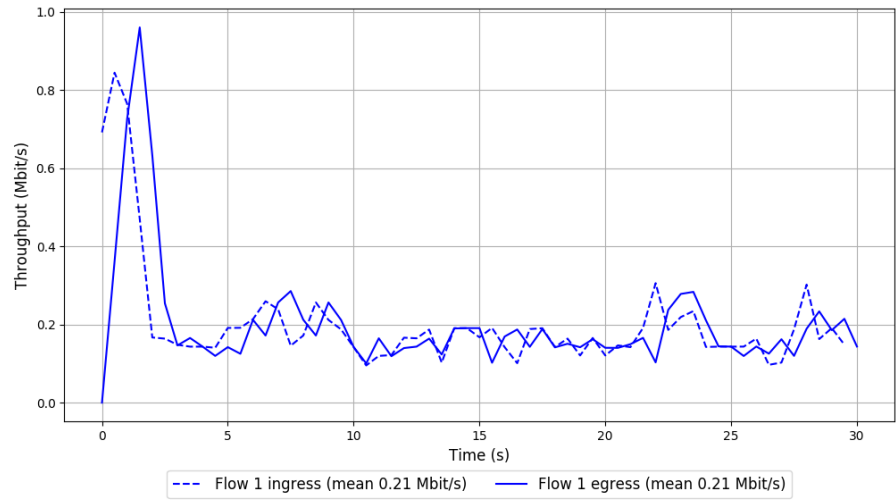
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 110.826 ms

Loss rate: 0.24%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-03 23:05:40

End at: 2018-07-03 23:06:10

Local clock offset: 0.041 ms

Remote clock offset: 0.555 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.247 ms

Loss rate: 0.53%

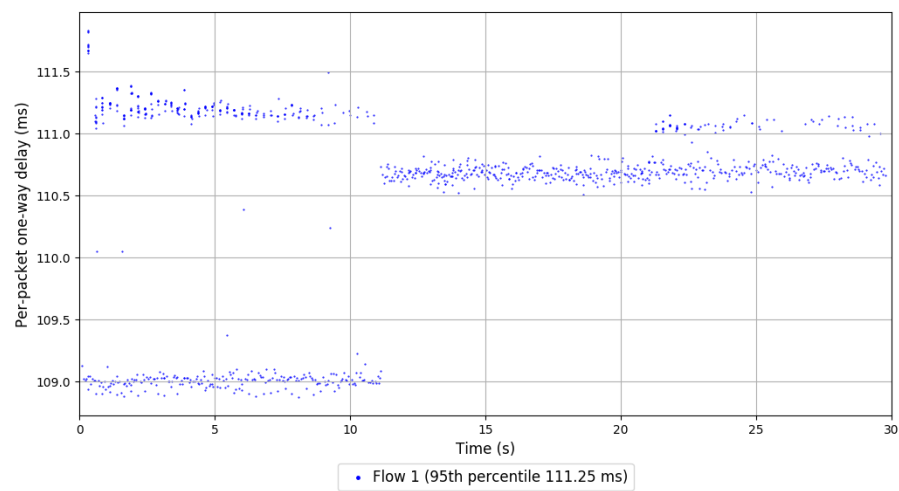
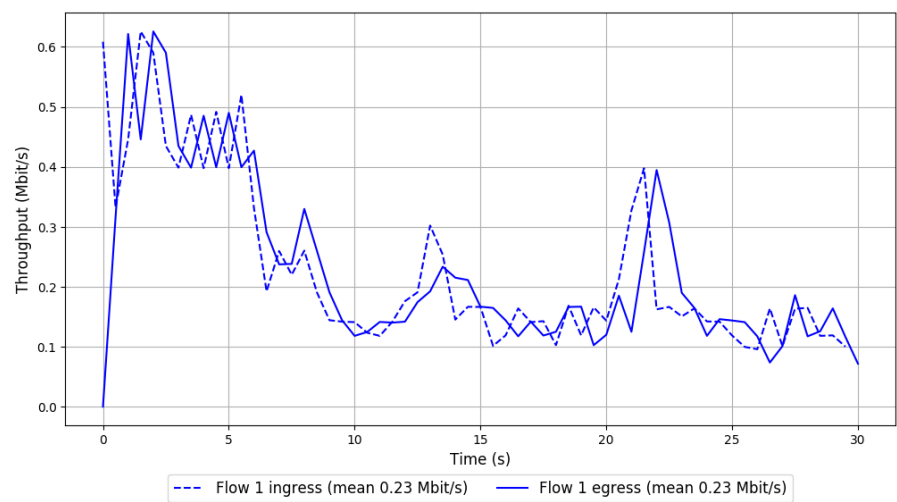
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.247 ms

Loss rate: 0.53%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-03 23:28:33

End at: 2018-07-03 23:29:03

Local clock offset: 0.016 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.490 ms

Loss rate: 2.28%

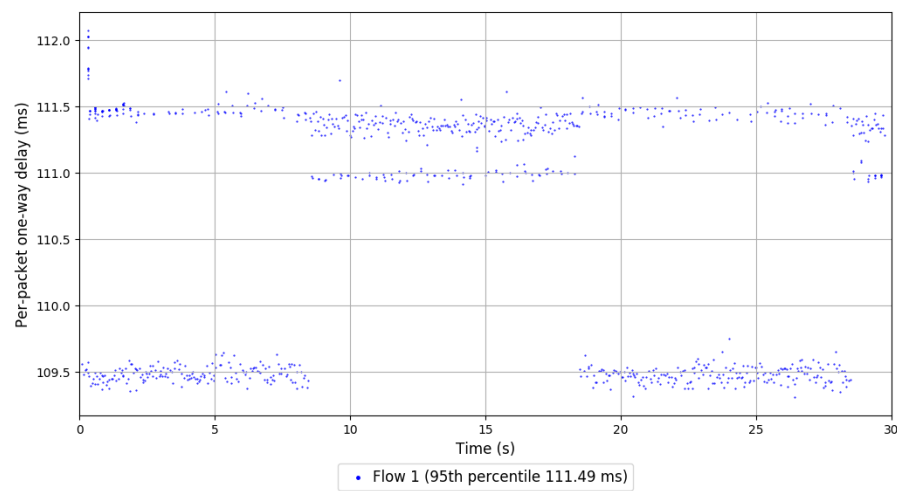
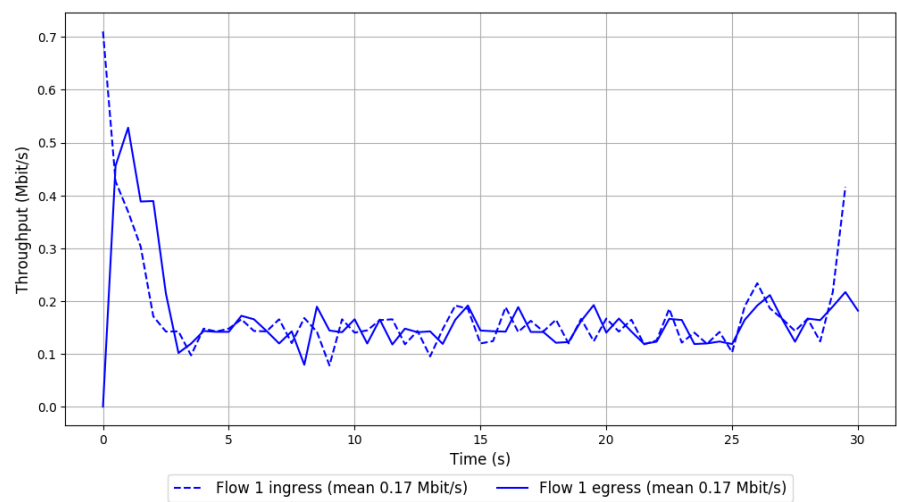
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.490 ms

Loss rate: 2.28%

Run 5: Report of Sprout — Data Link

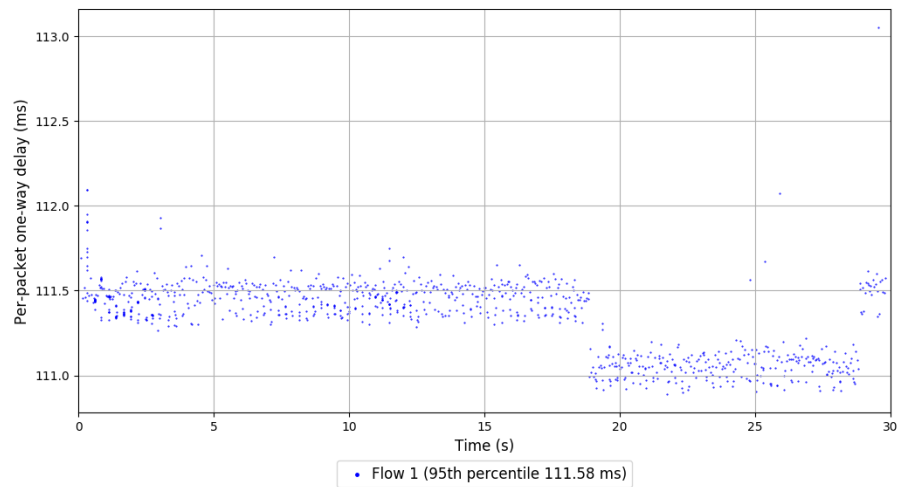
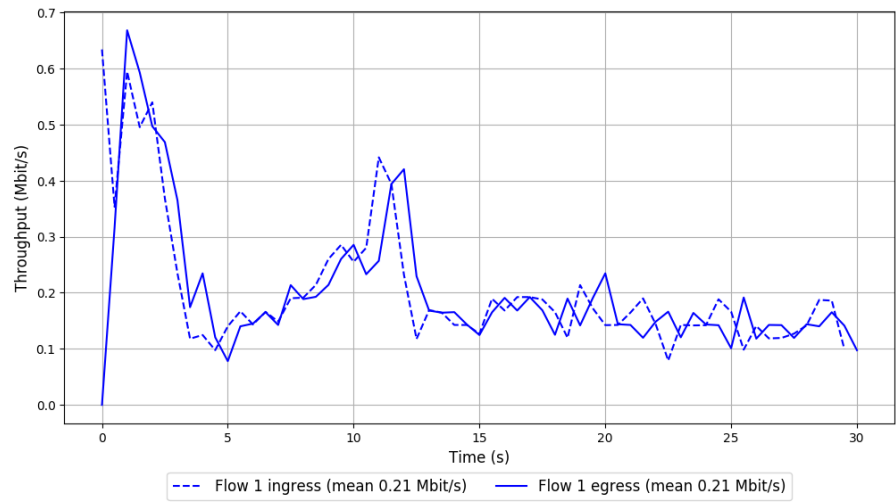


Run 6: Statistics of Sprout

Start at: 2018-07-03 23:51:12
End at: 2018-07-03 23:51:42
Local clock offset: 0.031 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.578 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.578 ms
Loss rate: 0.59%

Run 6: Report of Sprout — Data Link

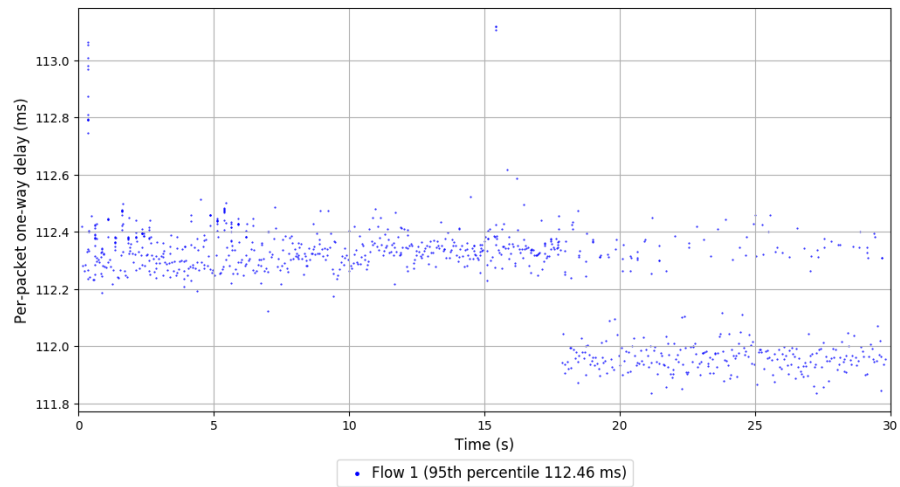
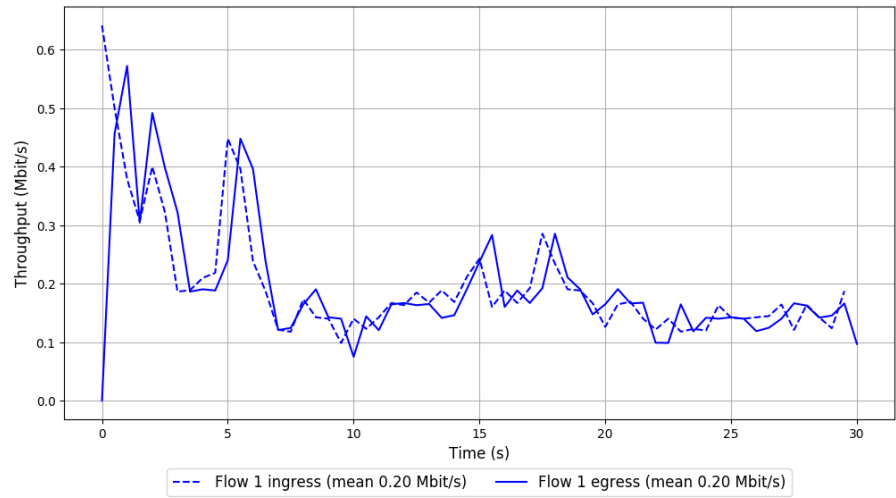


Run 7: Statistics of Sprout

Start at: 2018-07-04 00:13:23
End at: 2018-07-04 00:13:53
Local clock offset: 0.981 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.457 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.457 ms
Loss rate: 0.78%

Run 7: Report of Sprout — Data Link

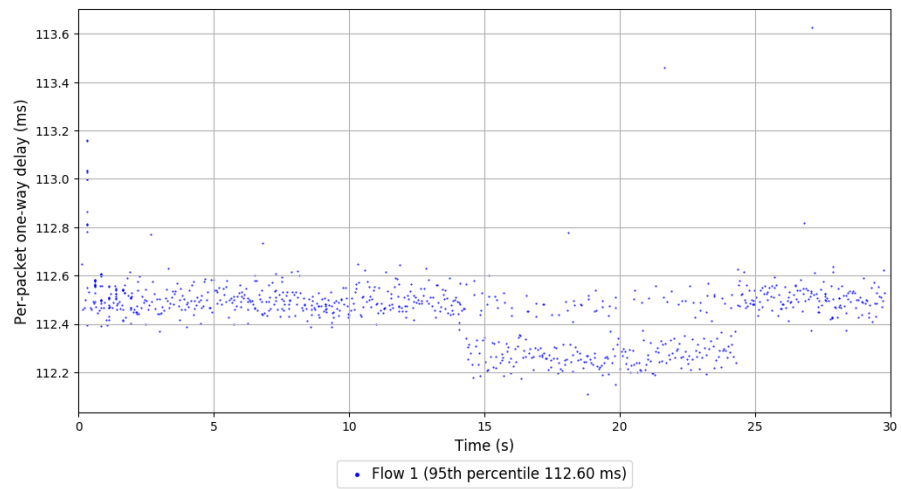
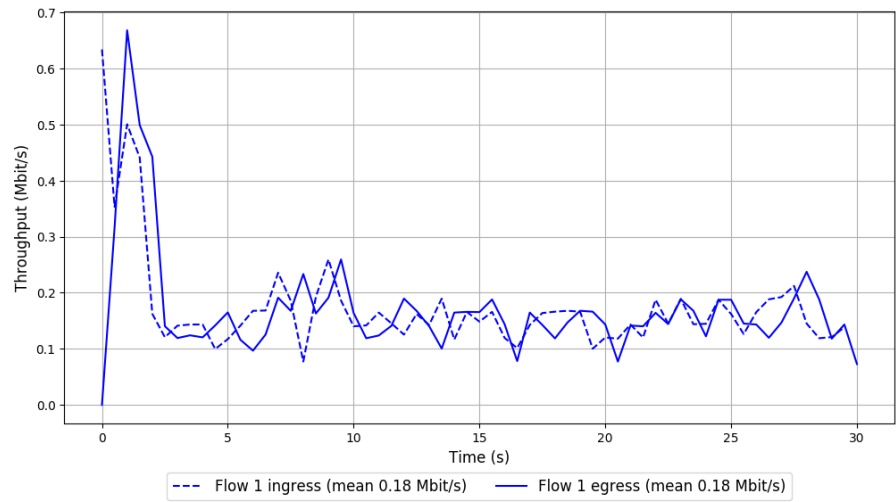


Run 8: Statistics of Sprout

Start at: 2018-07-04 00:36:17
End at: 2018-07-04 00:36:47
Local clock offset: 1.089 ms
Remote clock offset: -0.649 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.598 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.598 ms
Loss rate: 0.66%

Run 8: Report of Sprout — Data Link

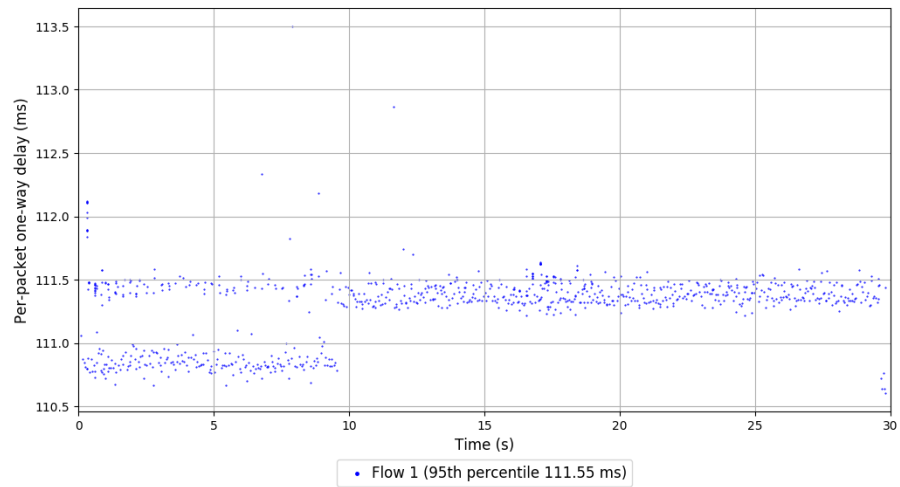
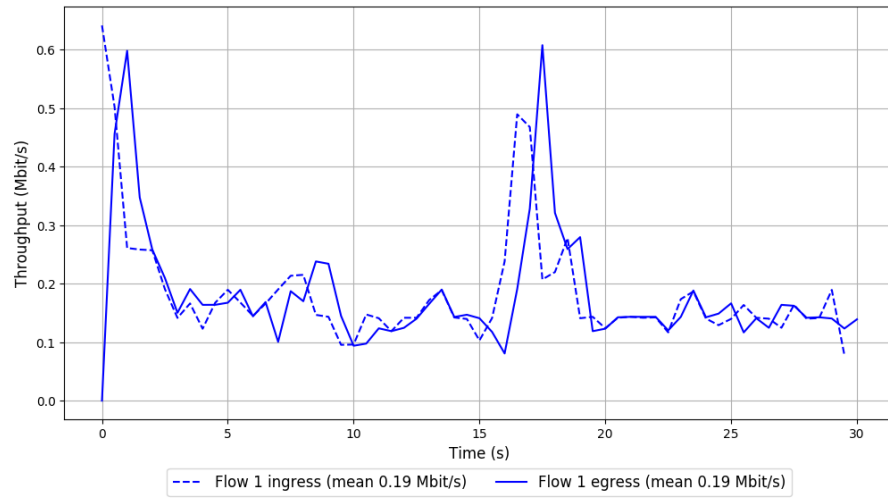


Run 9: Statistics of Sprout

Start at: 2018-07-04 00:59:22
End at: 2018-07-04 00:59:52
Local clock offset: 0.286 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.551 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.551 ms
Loss rate: 0.27%

Run 9: Report of Sprout — Data Link

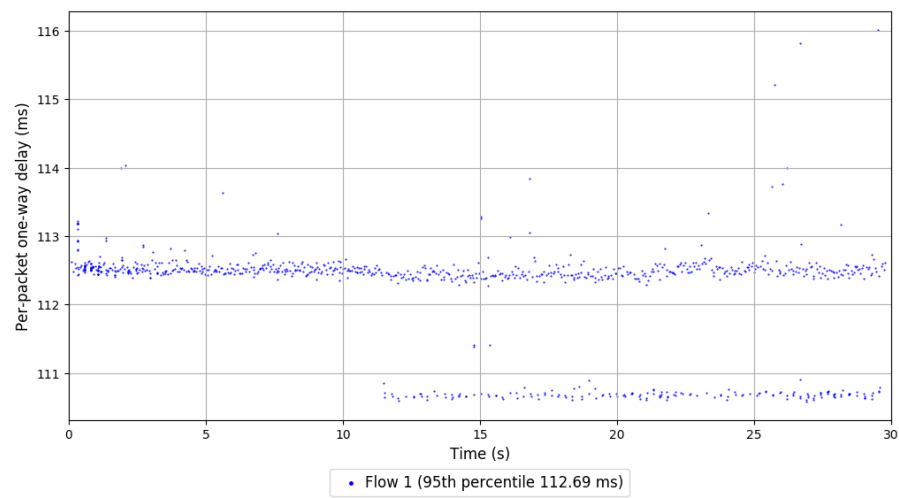
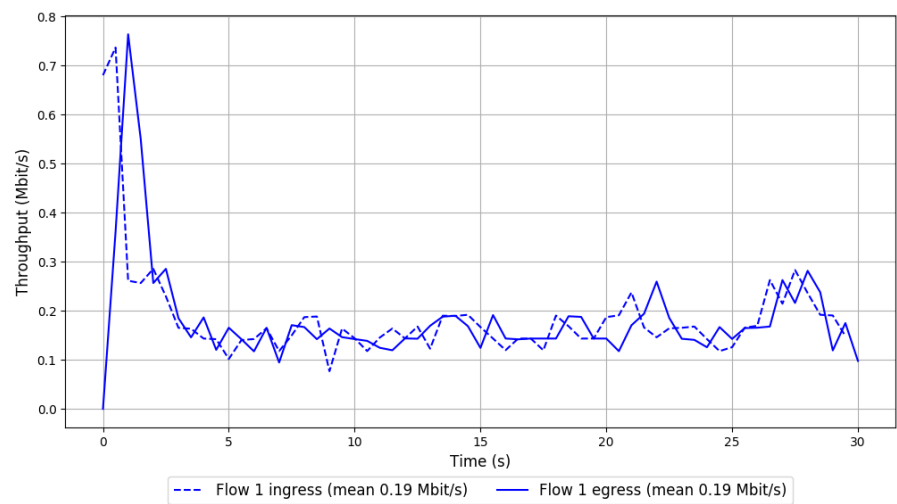


Run 10: Statistics of Sprout

Start at: 2018-07-04 01:21:20
End at: 2018-07-04 01:21:50
Local clock offset: 1.044 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-04 03:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.692 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.692 ms
Loss rate: 1.26%

Run 10: Report of Sprout — Data Link

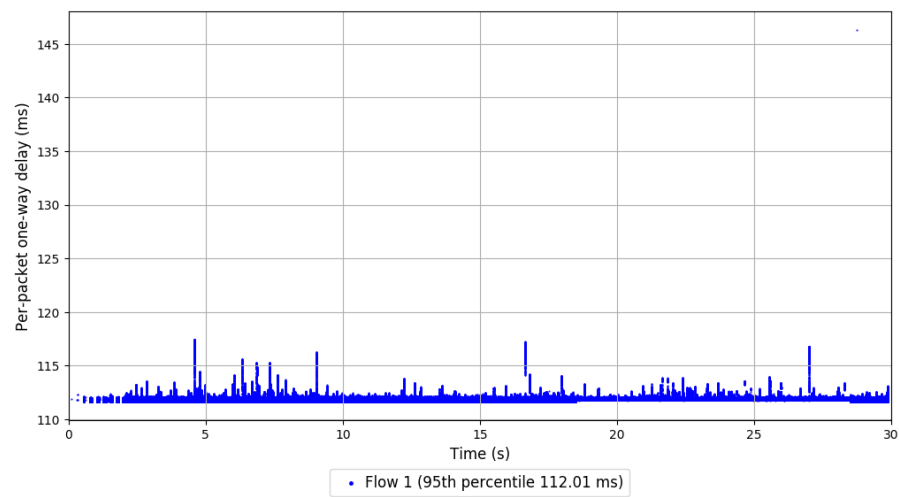
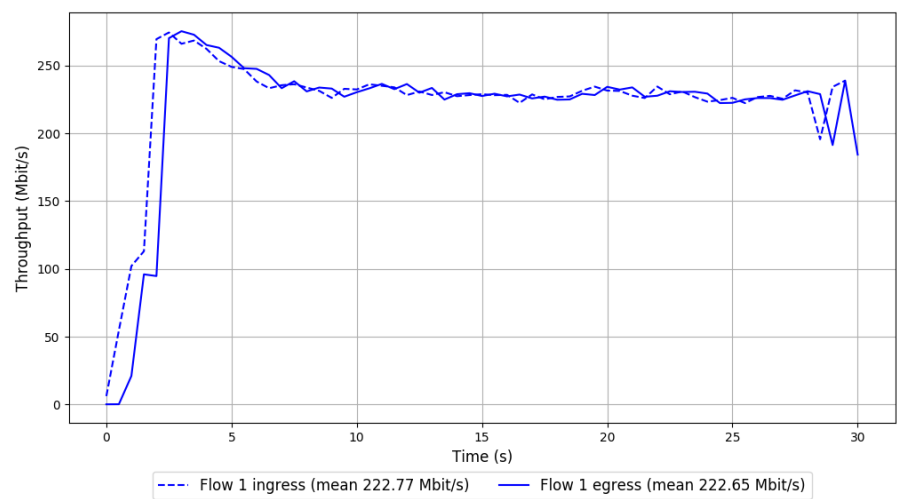


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-03 22:09:33
End at: 2018-07-03 22:10:03
Local clock offset: 0.992 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-07-04 03:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.65 Mbit/s
95th percentile per-packet one-way delay: 112.011 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 222.65 Mbit/s
95th percentile per-packet one-way delay: 112.011 ms
Loss rate: 0.79%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-03 22:32:45

End at: 2018-07-03 22:33:15

Local clock offset: -0.222 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.71 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.76%

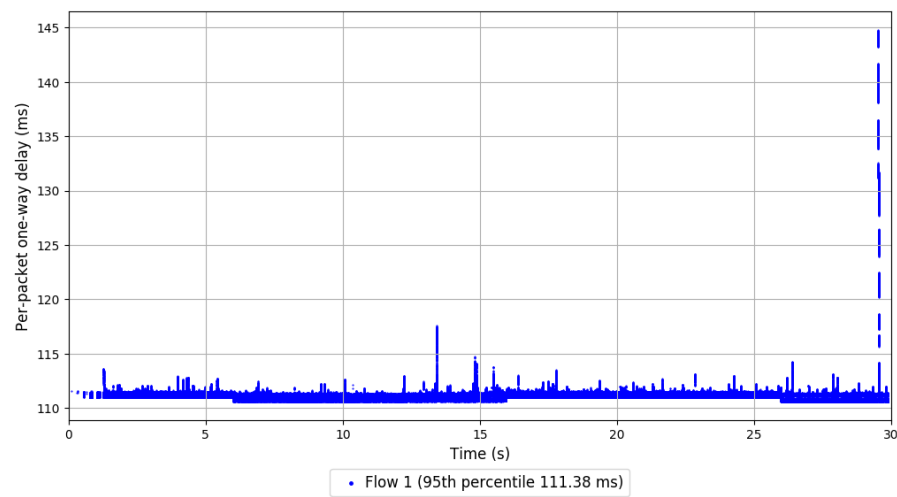
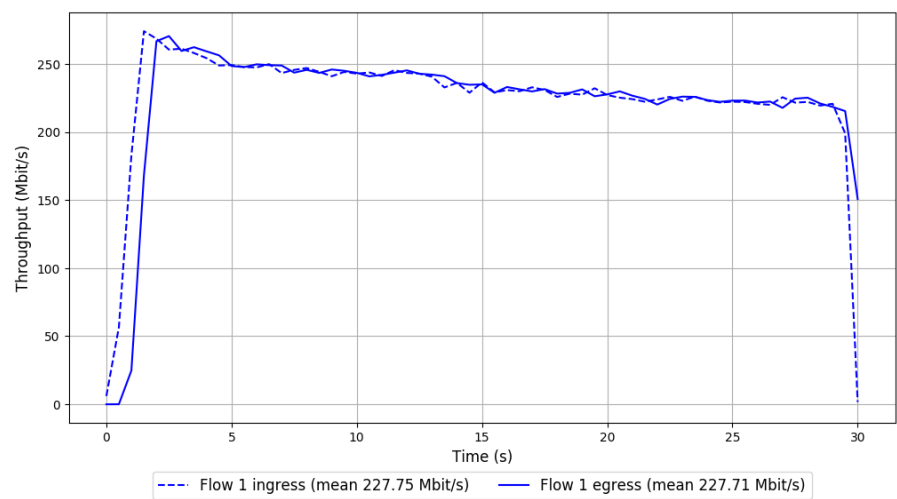
-- Flow 1:

Average throughput: 227.71 Mbit/s

95th percentile per-packet one-way delay: 111.384 ms

Loss rate: 0.76%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-03 22:55:53

End at: 2018-07-03 22:56:23

Local clock offset: -0.042 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.22 Mbit/s

95th percentile per-packet one-way delay: 111.086 ms

Loss rate: 0.84%

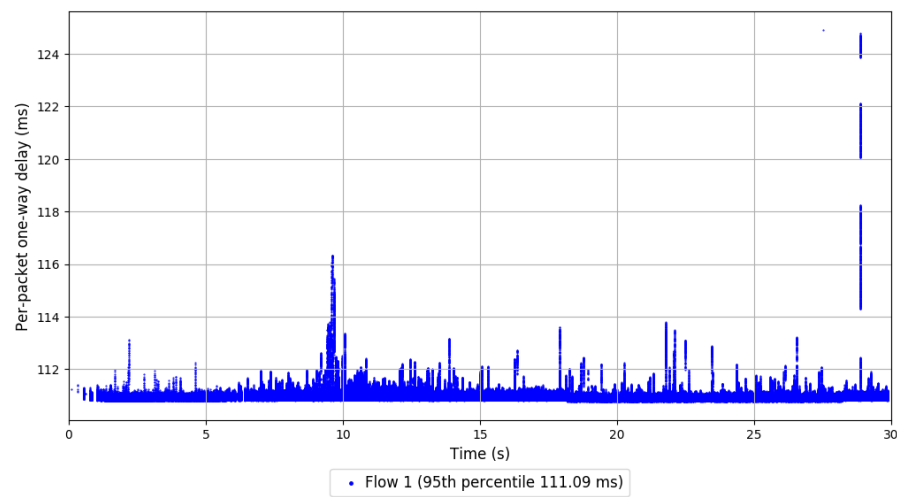
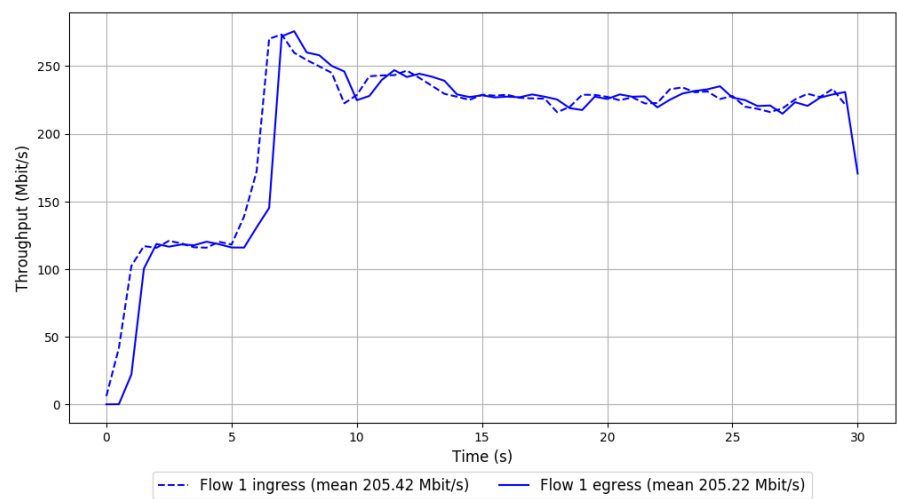
-- Flow 1:

Average throughput: 205.22 Mbit/s

95th percentile per-packet one-way delay: 111.086 ms

Loss rate: 0.84%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-03 23:18:52

End at: 2018-07-03 23:19:22

Local clock offset: -0.228 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.91 Mbit/s

95th percentile per-packet one-way delay: 111.205 ms

Loss rate: 0.77%

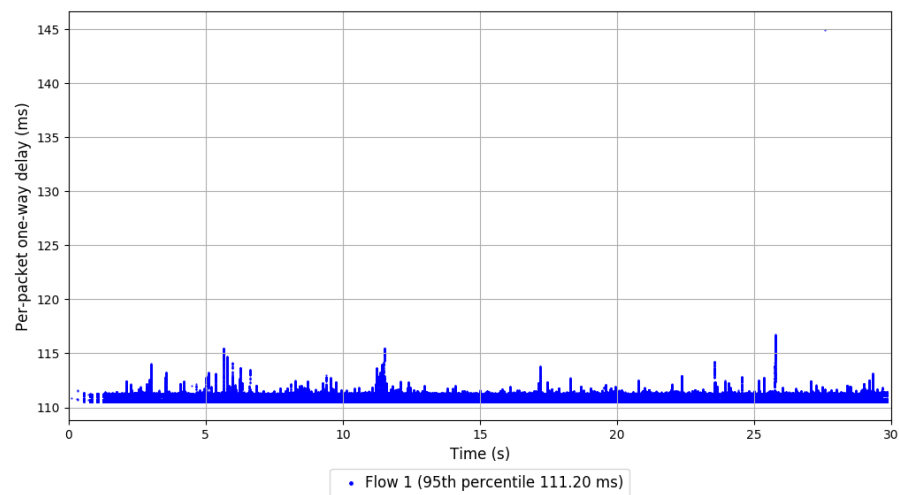
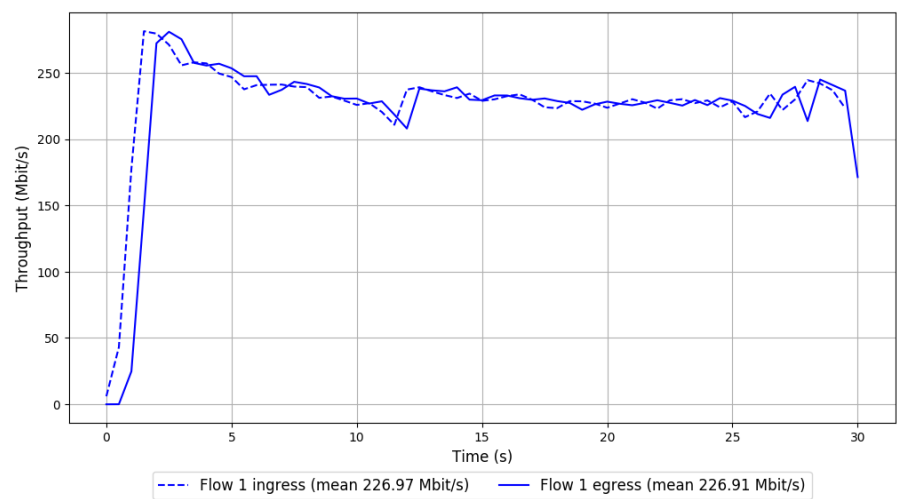
-- Flow 1:

Average throughput: 226.91 Mbit/s

95th percentile per-packet one-way delay: 111.205 ms

Loss rate: 0.77%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-03 23:41:25

End at: 2018-07-03 23:41:55

Local clock offset: 0.164 ms

Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.87 Mbit/s

95th percentile per-packet one-way delay: 111.672 ms

Loss rate: 0.90%

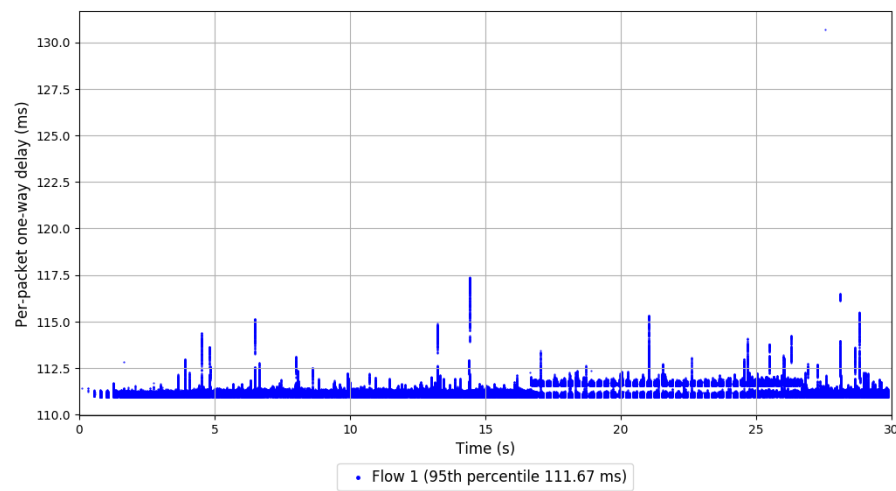
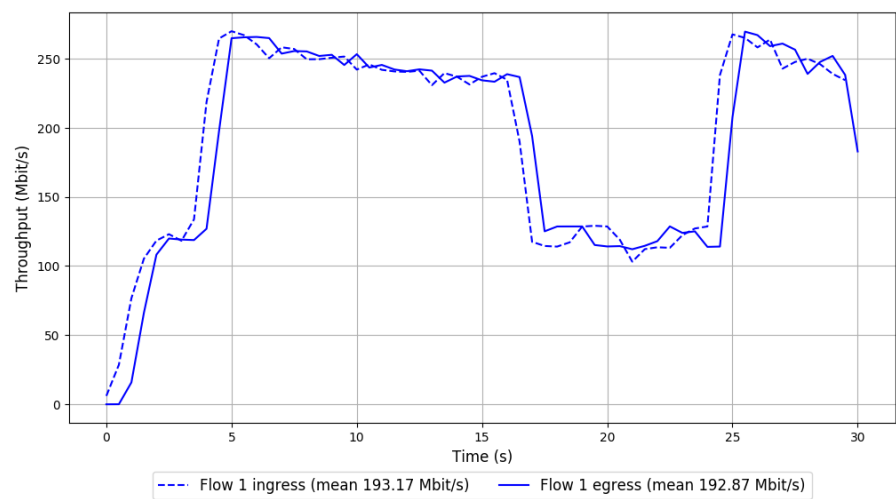
-- Flow 1:

Average throughput: 192.87 Mbit/s

95th percentile per-packet one-way delay: 111.672 ms

Loss rate: 0.90%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-04 00:04:06

End at: 2018-07-04 00:04:36

Local clock offset: 0.054 ms

Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-07-04 03:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 111.578 ms

Loss rate: 0.76%

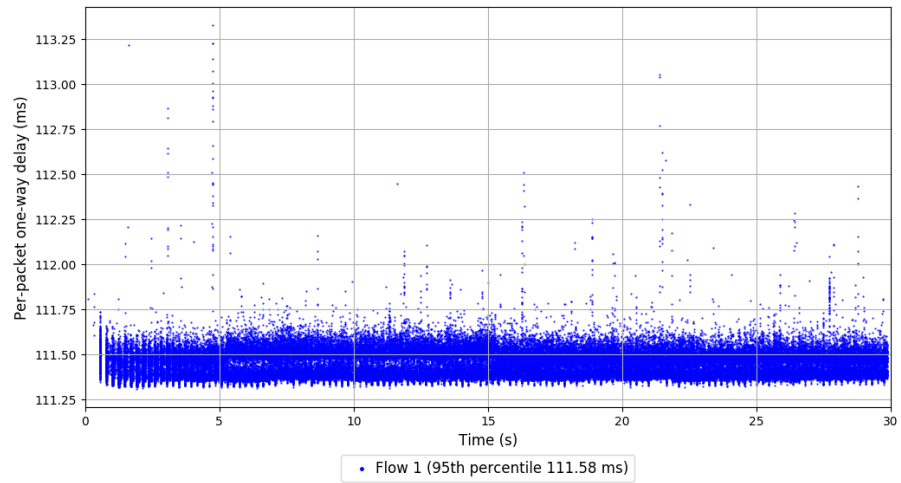
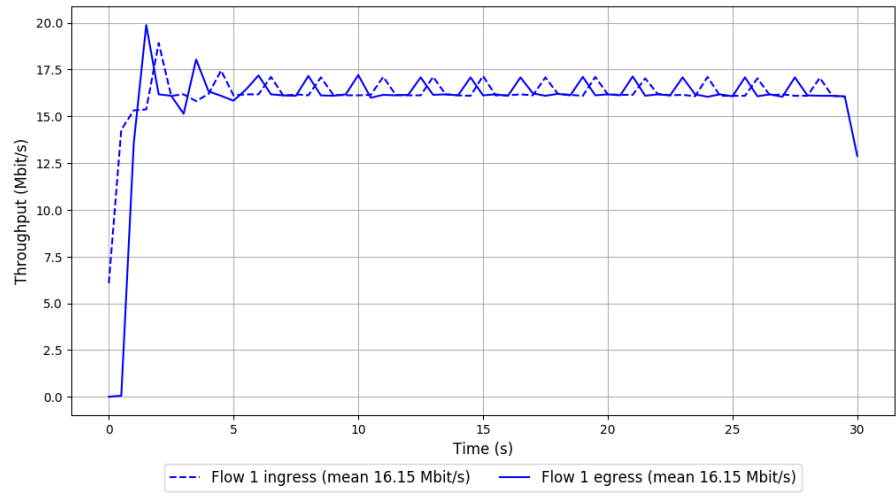
-- Flow 1:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 111.578 ms

Loss rate: 0.76%

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

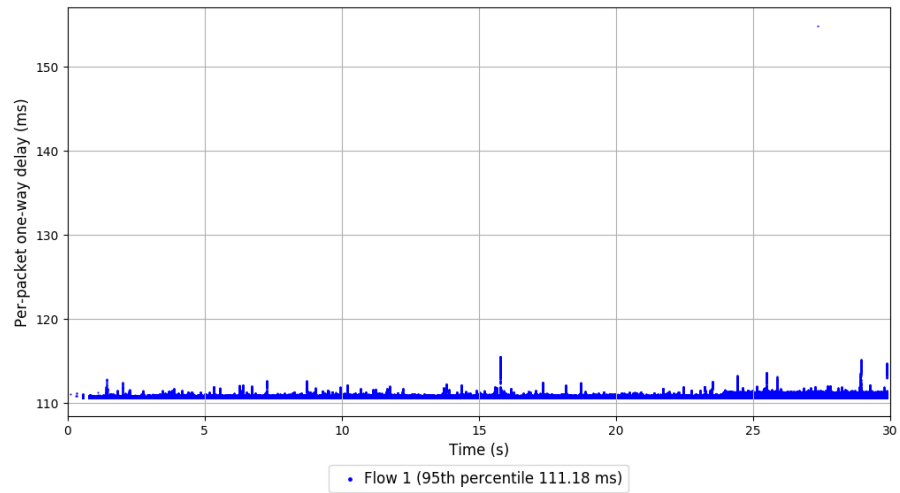
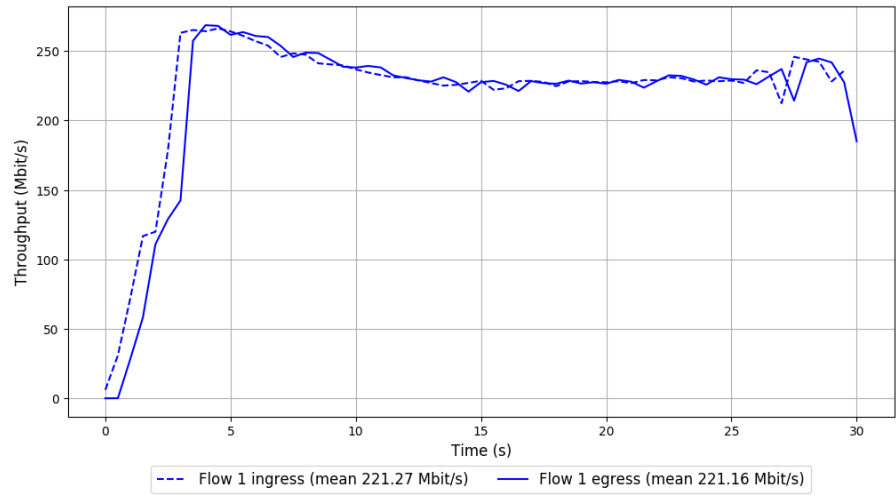


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 00:26:27
End at: 2018-07-04 00:26:57
Local clock offset: -0.198 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-07-04 03:12:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.16 Mbit/s
95th percentile per-packet one-way delay: 111.179 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 221.16 Mbit/s
95th percentile per-packet one-way delay: 111.179 ms
Loss rate: 0.79%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 00:49:38

End at: 2018-07-04 00:50:08

Local clock offset: 1.277 ms

Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-07-04 03:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.00 Mbit/s

95th percentile per-packet one-way delay: 112.353 ms

Loss rate: 0.98%

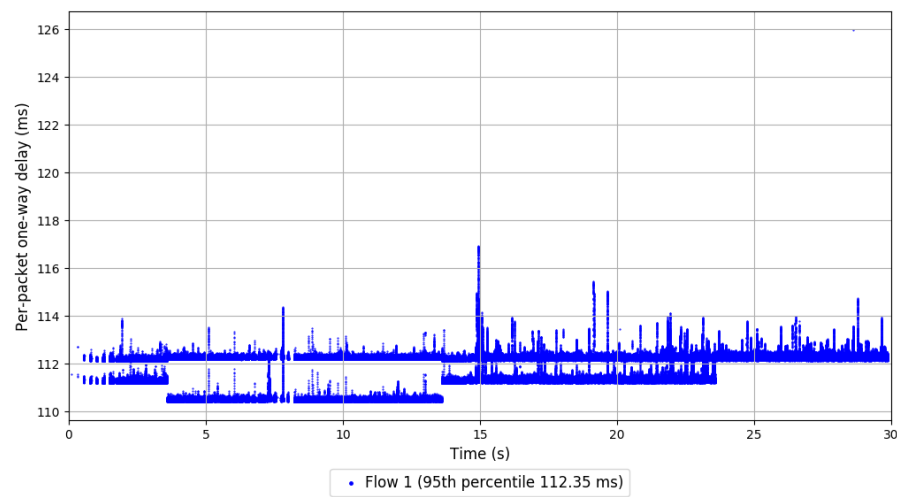
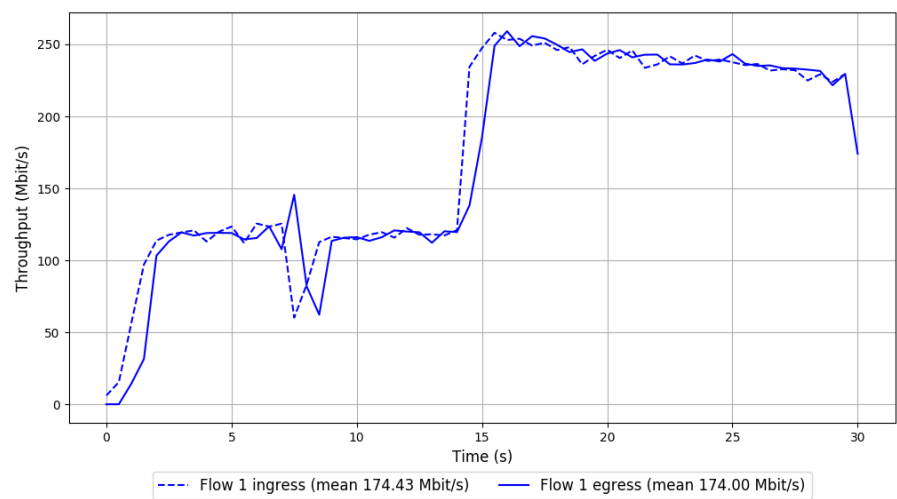
-- Flow 1:

Average throughput: 174.00 Mbit/s

95th percentile per-packet one-way delay: 112.353 ms

Loss rate: 0.98%

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

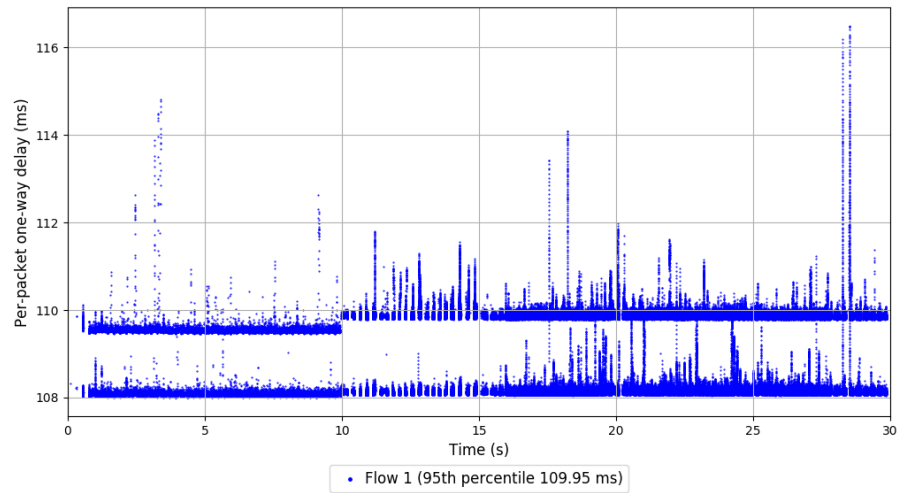
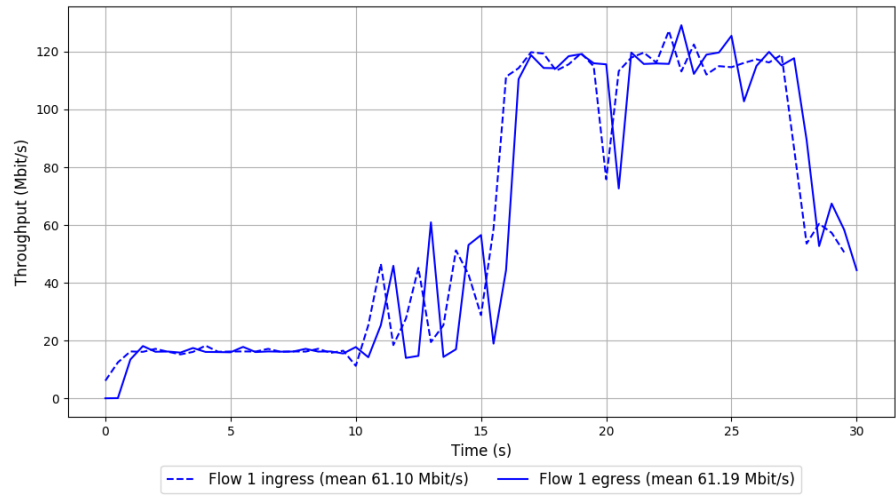


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 01:11:51
End at: 2018-07-04 01:12:21
Local clock offset: -1.411 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-07-04 03:12:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 109.953 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 109.953 ms
Loss rate: 0.58%

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

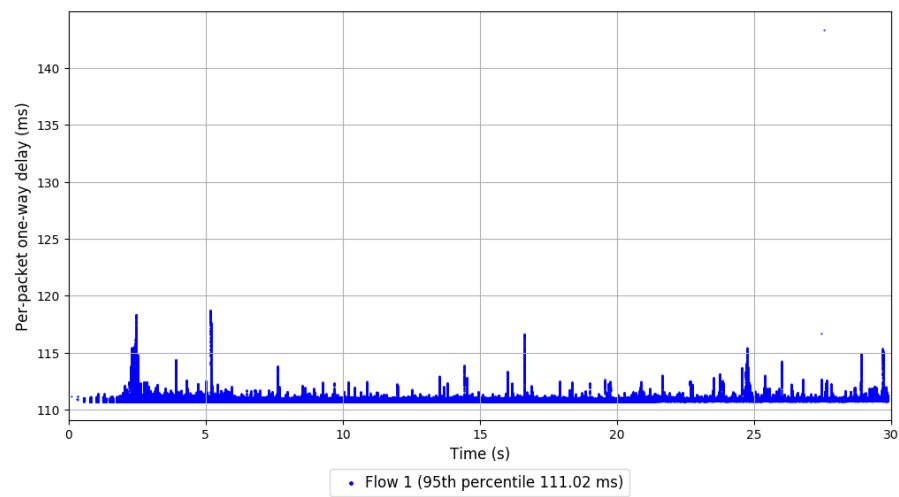
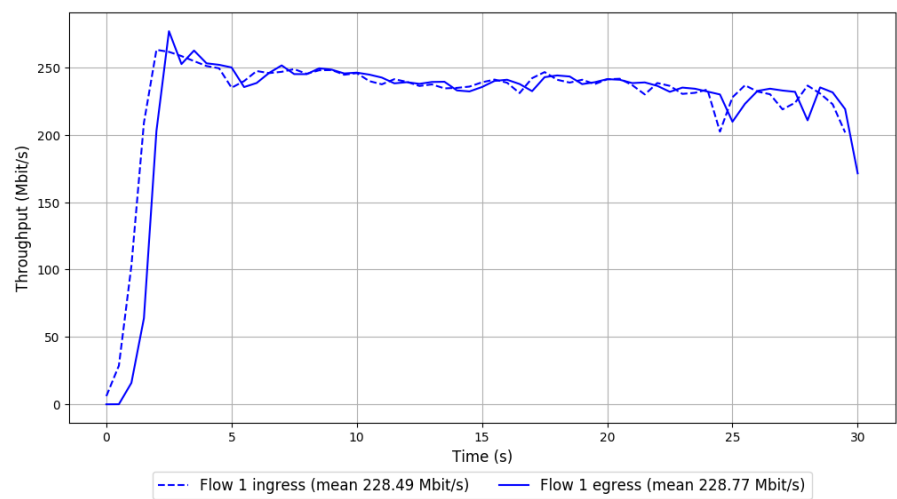


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 01:34:00
End at: 2018-07-04 01:34:30
Local clock offset: -0.423 ms
Remote clock offset: -0.811 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.77 Mbit/s
95th percentile per-packet one-way delay: 111.024 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 228.77 Mbit/s
95th percentile per-packet one-way delay: 111.024 ms
Loss rate: 0.62%

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

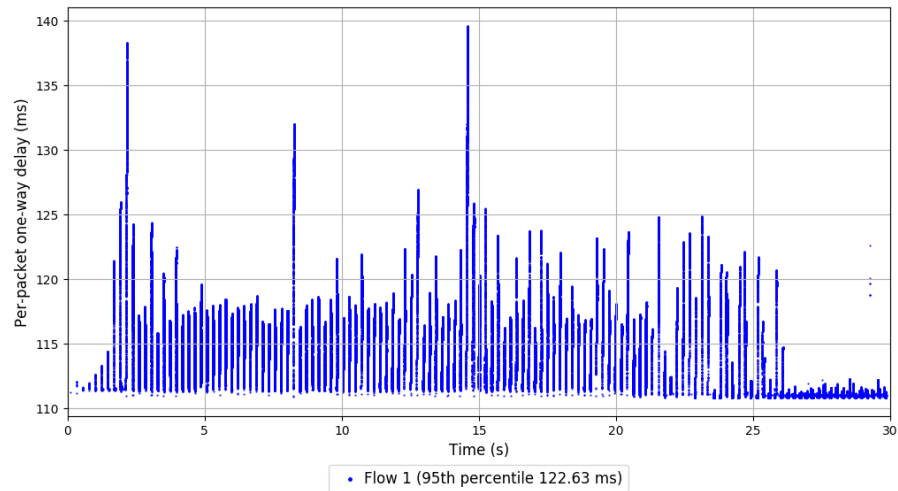
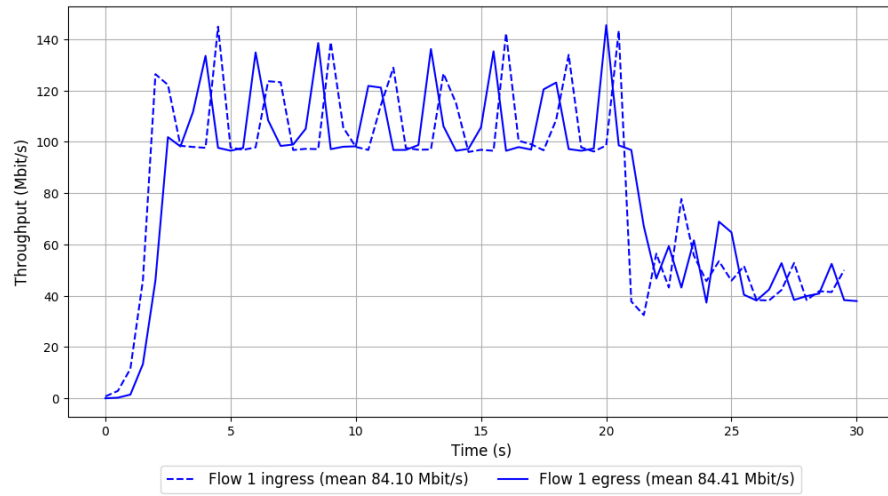


Run 1: Statistics of TCP Vegas

Start at: 2018-07-03 22:18:11
End at: 2018-07-03 22:18:41
Local clock offset: 0.001 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 122.634 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 122.634 ms
Loss rate: 0.38%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-03 22:41:16

End at: 2018-07-03 22:41:46

Local clock offset: 1.439 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-04 03:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 118.859 ms

Loss rate: 0.73%

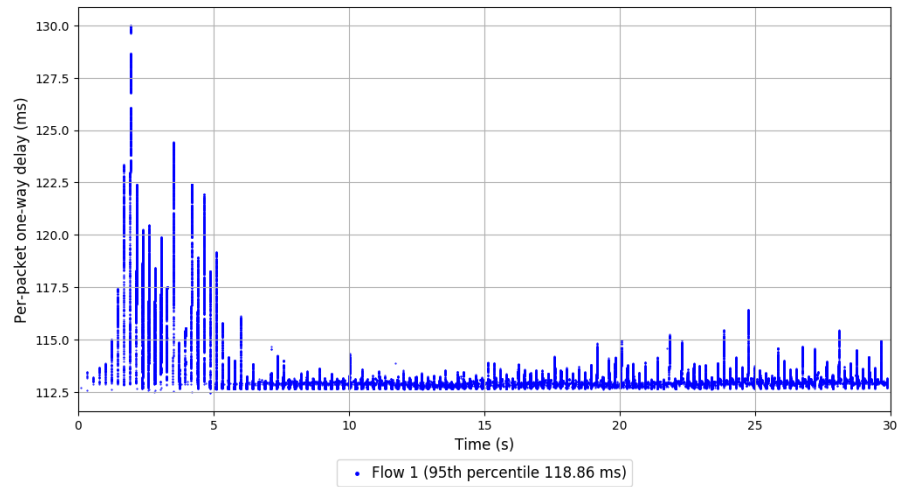
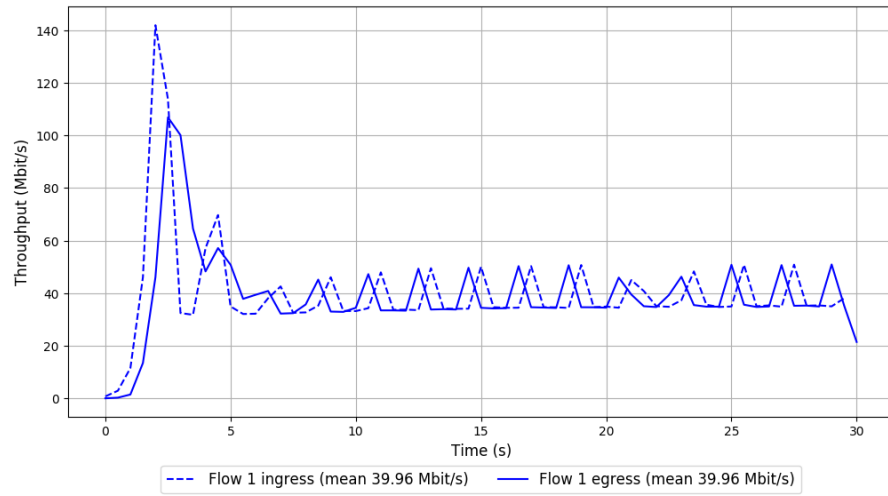
-- Flow 1:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 118.859 ms

Loss rate: 0.73%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-03 23:04:27

End at: 2018-07-03 23:04:57

Local clock offset: 0.054 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-04 03:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 120.502 ms

Loss rate: 0.28%

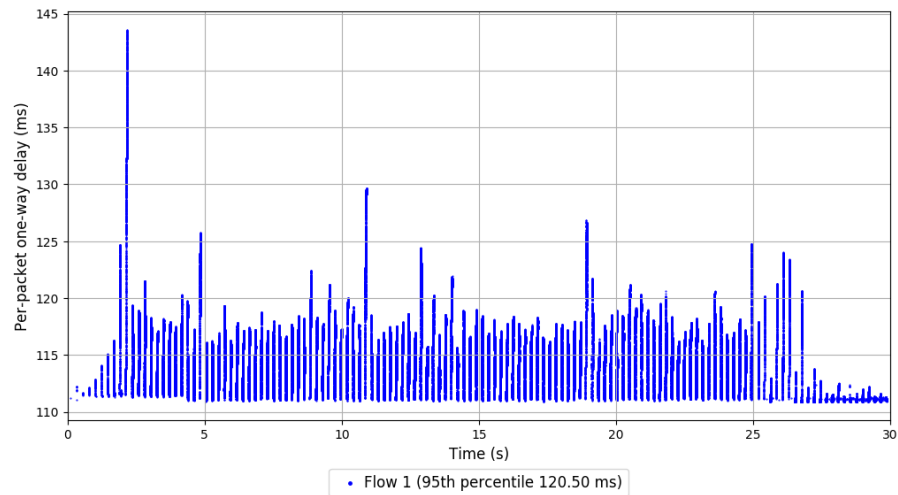
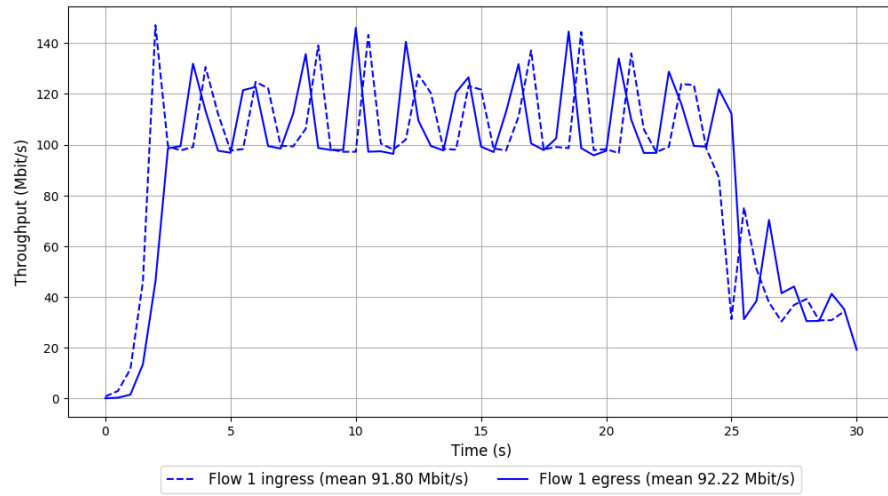
-- Flow 1:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 120.502 ms

Loss rate: 0.28%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-03 23:27:22

End at: 2018-07-03 23:27:52

Local clock offset: -0.332 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-07-04 03:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 113.746 ms

Loss rate: 0.77%

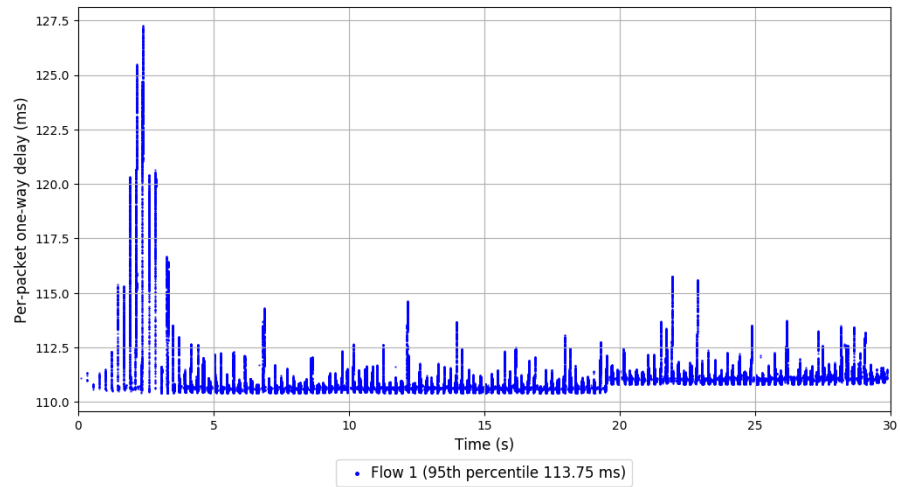
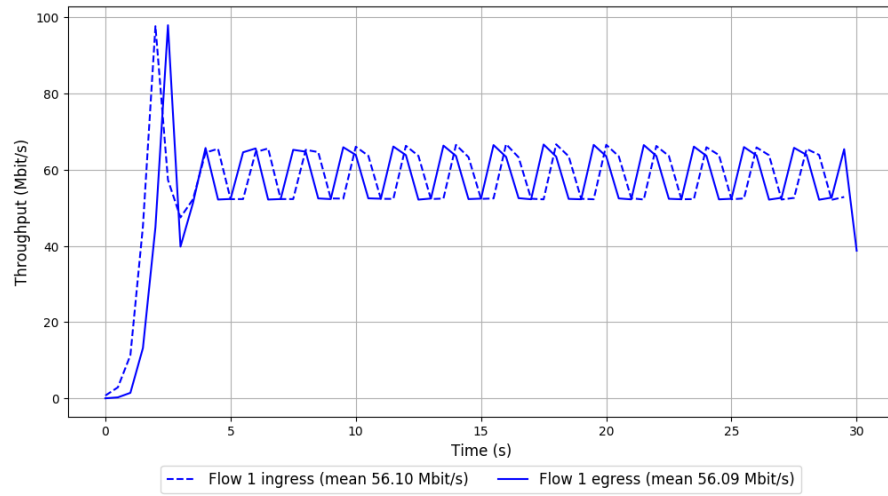
-- Flow 1:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 113.746 ms

Loss rate: 0.77%

Run 4: Report of TCP Vegas — Data Link

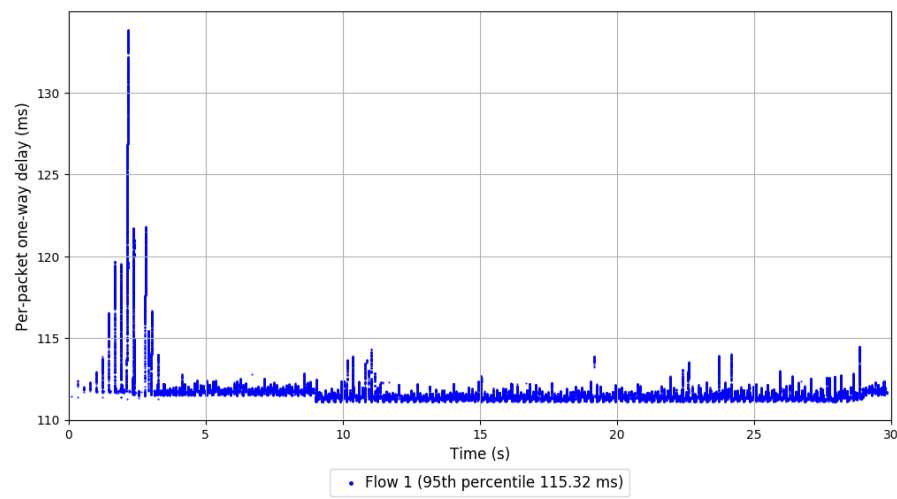
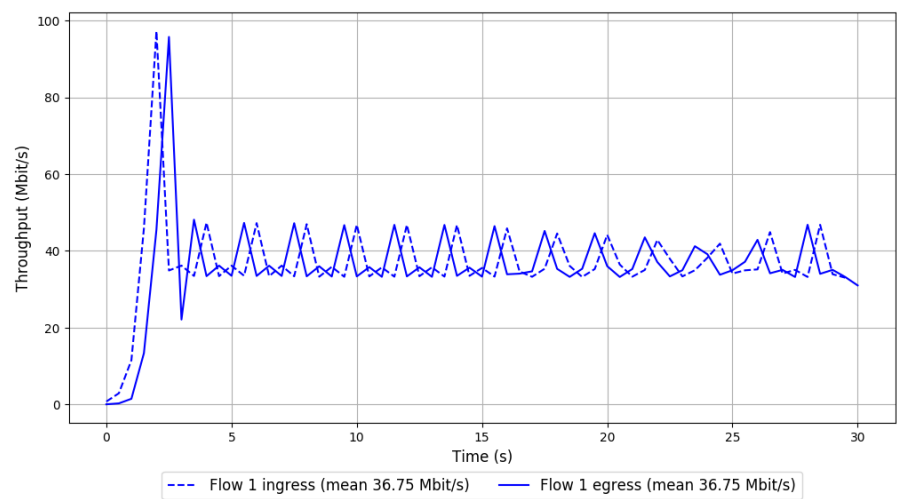


Run 5: Statistics of TCP Vegas

Start at: 2018-07-03 23:50:02
End at: 2018-07-03 23:50:32
Local clock offset: -0.078 ms
Remote clock offset: -0.651 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 115.319 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 115.319 ms
Loss rate: 0.75%

Run 5: Report of TCP Vegas — Data Link

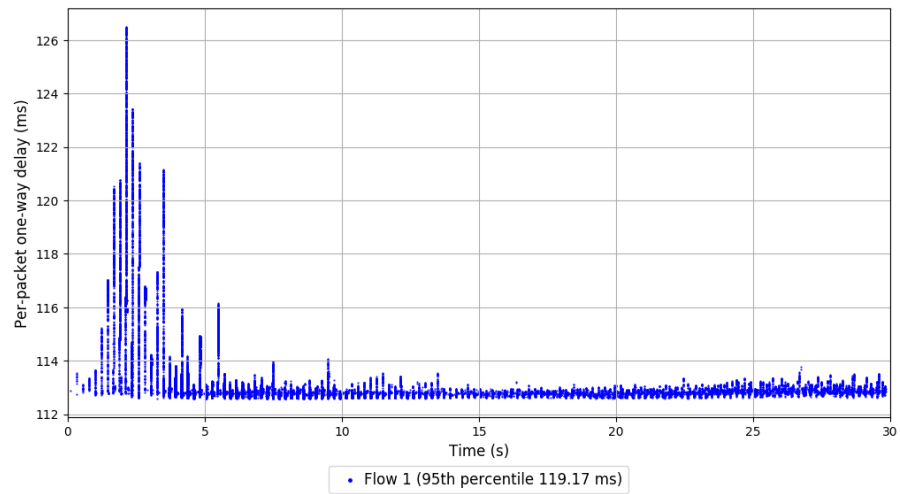
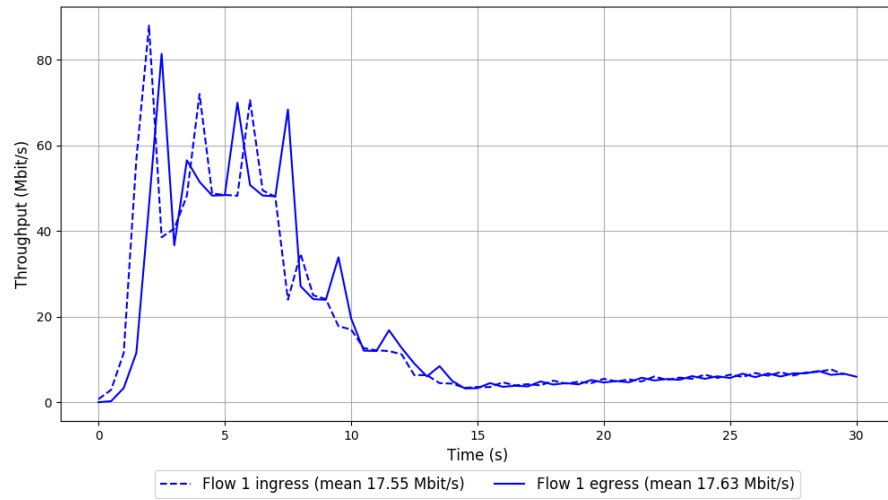


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 00:12:14
End at: 2018-07-04 00:12:44
Local clock offset: 1.372 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 119.166 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 119.166 ms
Loss rate: 0.32%

Run 6: Report of TCP Vegas — Data Link

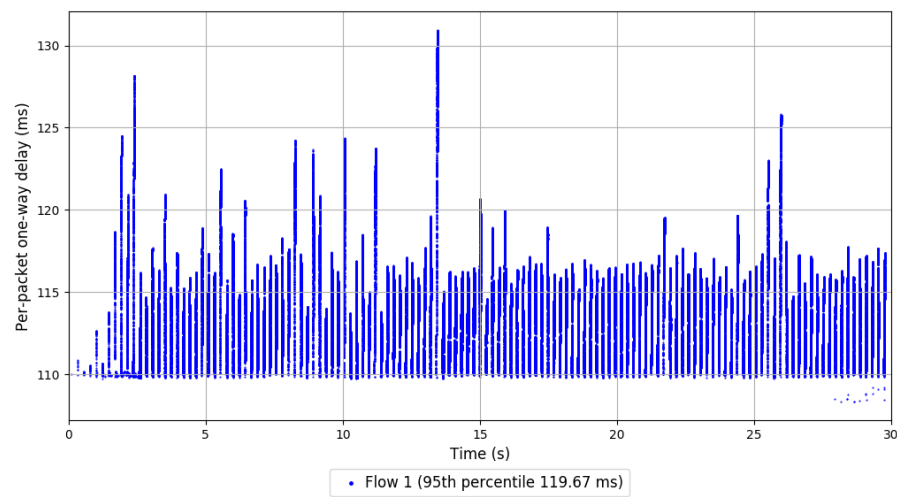
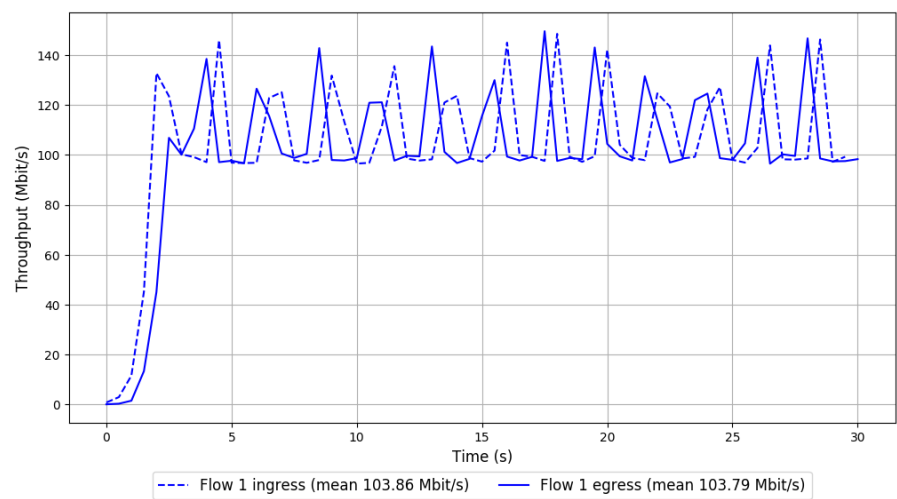


Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 00:35:04
End at: 2018-07-04 00:35:34
Local clock offset: -1.159 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.79 Mbit/s
95th percentile per-packet one-way delay: 119.670 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 103.79 Mbit/s
95th percentile per-packet one-way delay: 119.670 ms
Loss rate: 0.80%

Run 7: Report of TCP Vegas — Data Link

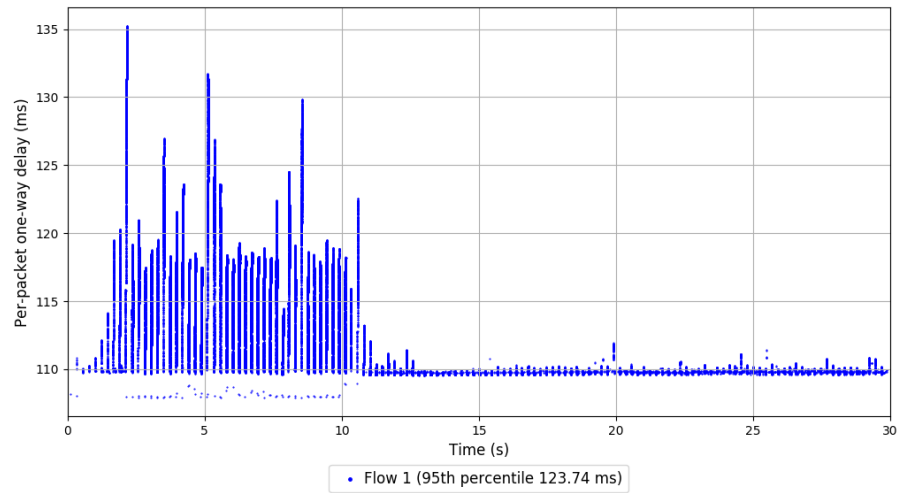
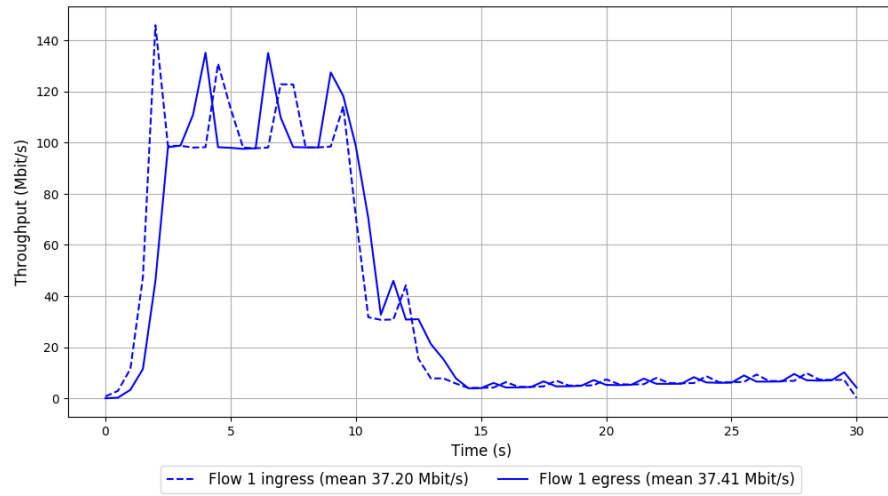


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 00:58:11
End at: 2018-07-04 00:58:41
Local clock offset: -1.347 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 123.741 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 123.741 ms
Loss rate: 0.17%

Run 8: Report of TCP Vegas — Data Link

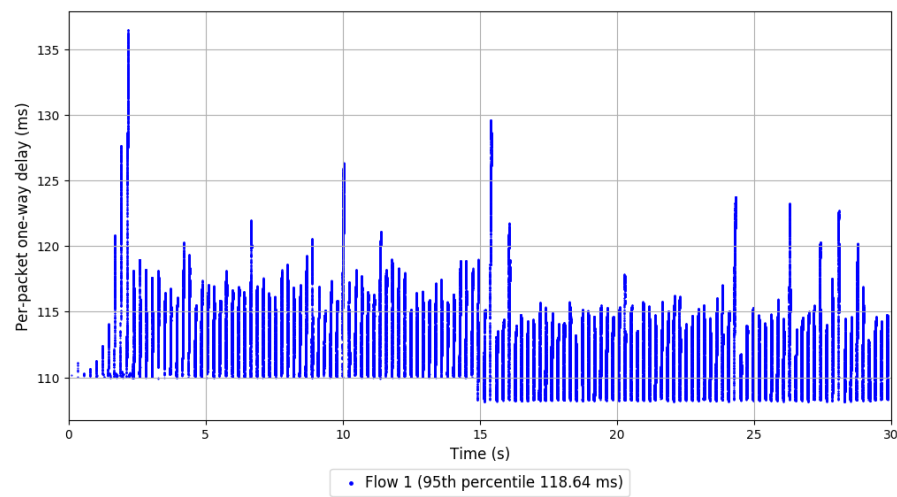
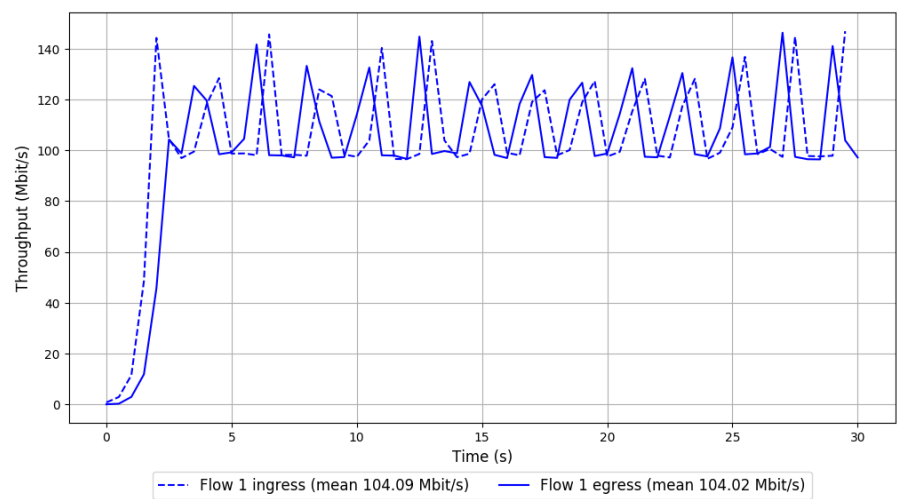


Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 01:20:07
End at: 2018-07-04 01:20:37
Local clock offset: -1.381 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.02 Mbit/s
95th percentile per-packet one-way delay: 118.641 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 104.02 Mbit/s
95th percentile per-packet one-way delay: 118.641 ms
Loss rate: 0.80%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 01:42:36

End at: 2018-07-04 01:43:06

Local clock offset: -0.004 ms

Remote clock offset: -0.817 ms

Below is generated by plot.py at 2018-07-04 03:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.67 Mbit/s

95th percentile per-packet one-way delay: 115.761 ms

Loss rate: 0.79%

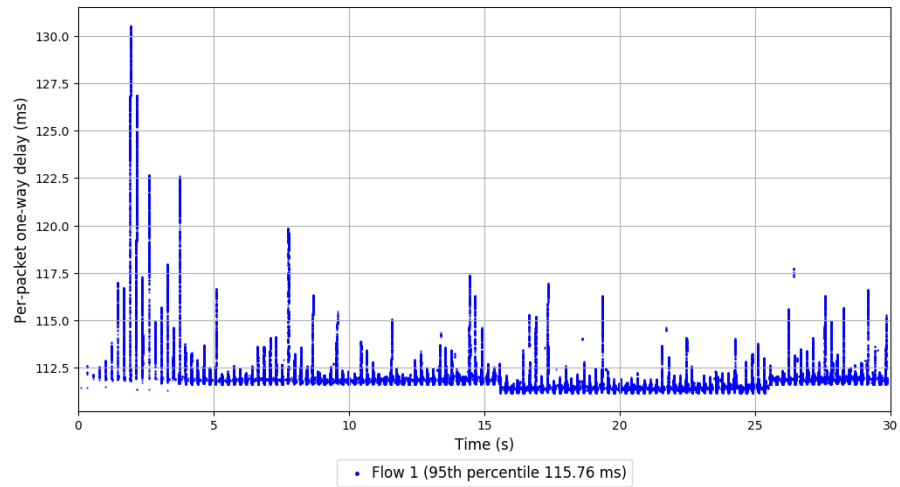
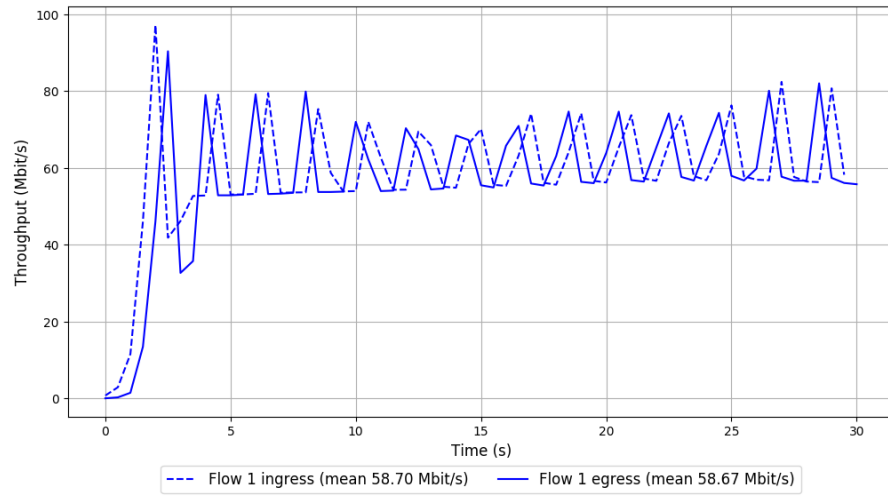
-- Flow 1:

Average throughput: 58.67 Mbit/s

95th percentile per-packet one-way delay: 115.761 ms

Loss rate: 0.79%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-03 22:15:28

End at: 2018-07-03 22:15:58

Local clock offset: 1.285 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-04 03:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.05 Mbit/s

95th percentile per-packet one-way delay: 259.669 ms

Loss rate: 2.29%

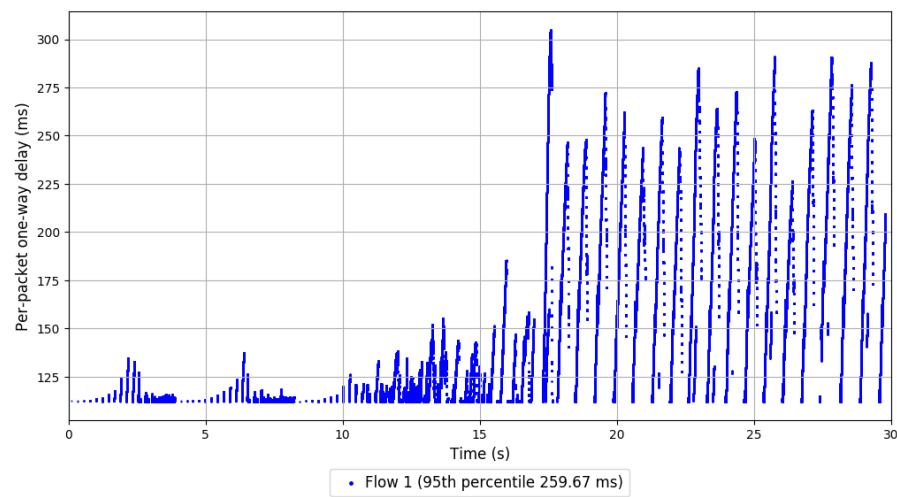
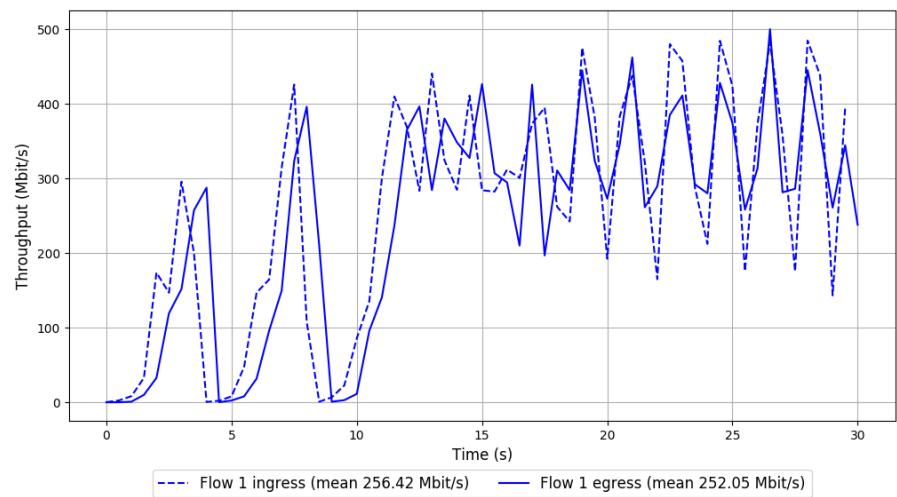
-- Flow 1:

Average throughput: 252.05 Mbit/s

95th percentile per-packet one-way delay: 259.669 ms

Loss rate: 2.29%

Run 1: Report of Verus — Data Link

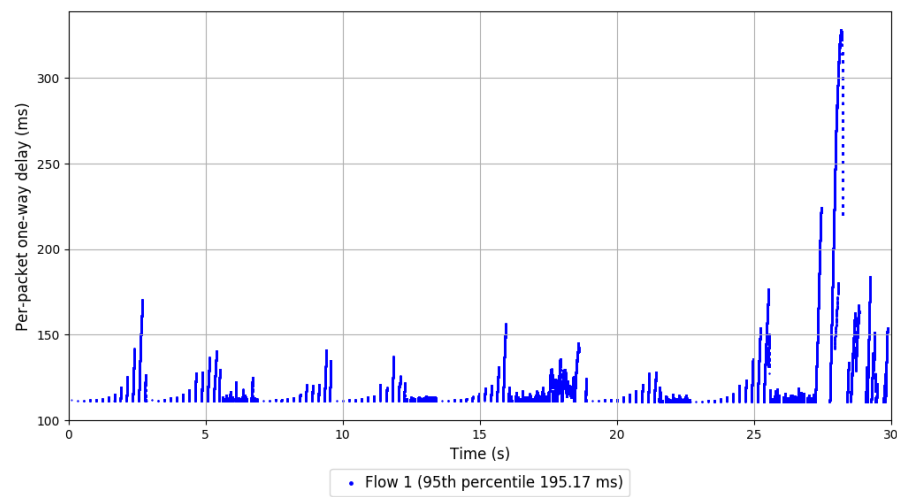
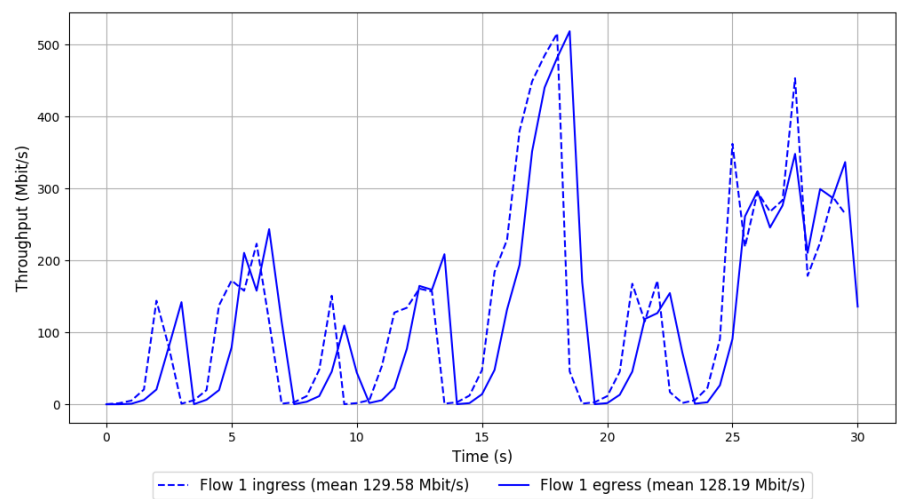


Run 2: Statistics of Verus

Start at: 2018-07-03 22:38:41
End at: 2018-07-03 22:39:12
Local clock offset: -0.024 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-04 03:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.19 Mbit/s
95th percentile per-packet one-way delay: 195.166 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 128.19 Mbit/s
95th percentile per-packet one-way delay: 195.166 ms
Loss rate: 1.81%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-03 23:01:42

End at: 2018-07-03 23:02:12

Local clock offset: -1.38 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-07-04 03:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.60 Mbit/s

95th percentile per-packet one-way delay: 175.537 ms

Loss rate: 1.20%

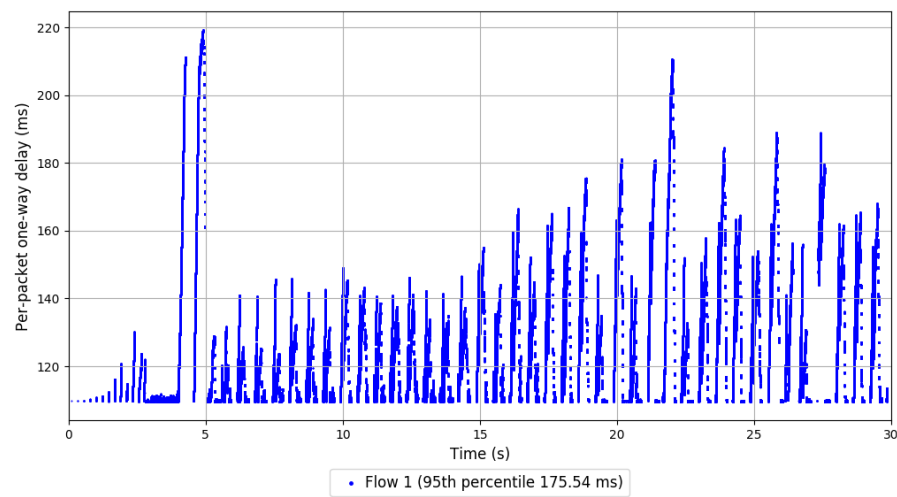
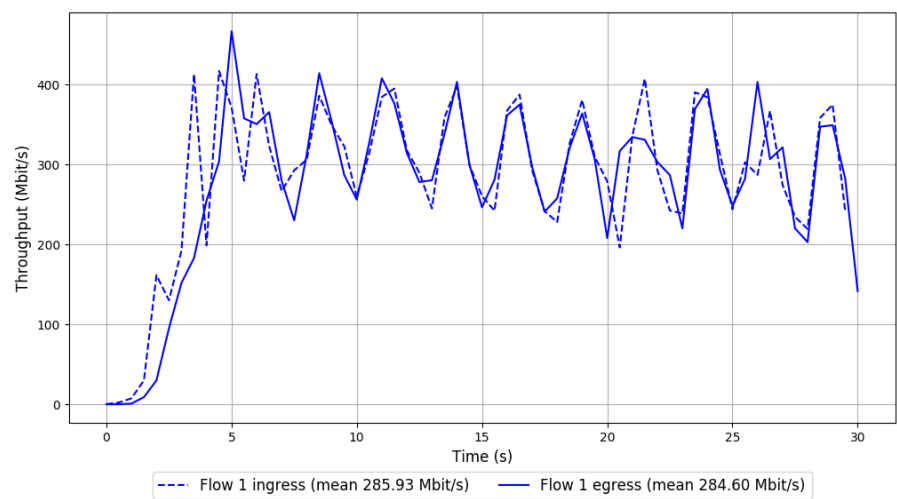
-- Flow 1:

Average throughput: 284.60 Mbit/s

95th percentile per-packet one-way delay: 175.537 ms

Loss rate: 1.20%

Run 3: Report of Verus — Data Link

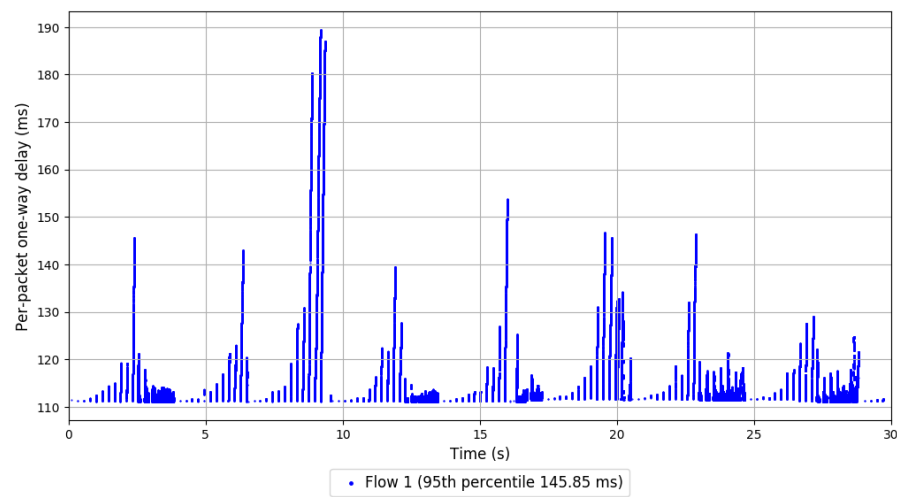
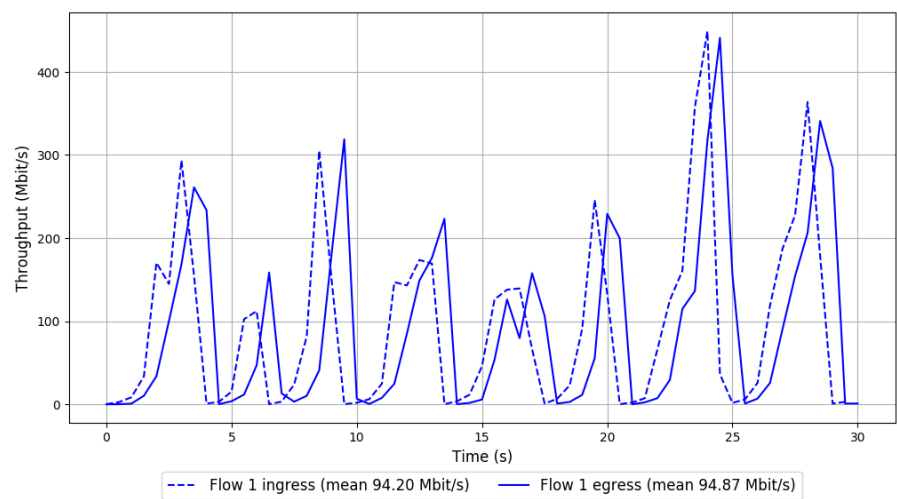


Run 4: Statistics of Verus

Start at: 2018-07-03 23:24:45
End at: 2018-07-03 23:25:15
Local clock offset: -0.108 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-04 03:15:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 145.851 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 145.851 ms
Loss rate: 0.04%

Run 4: Report of Verus — Data Link

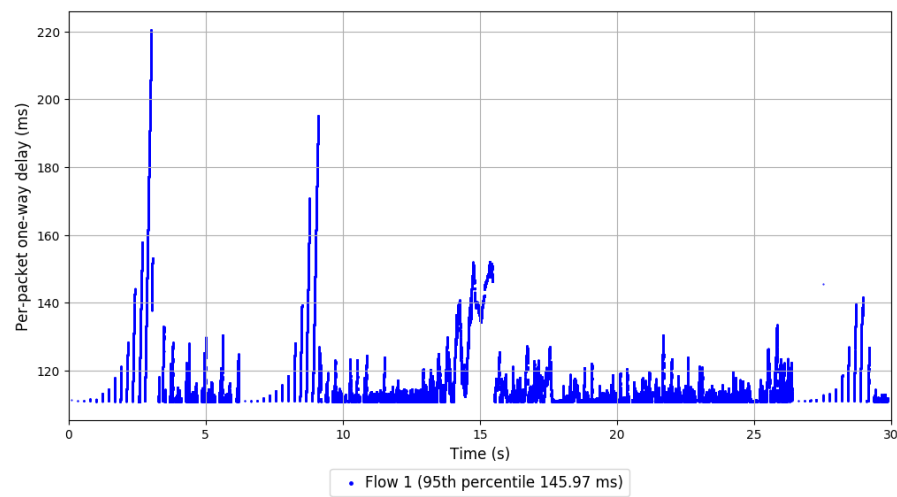
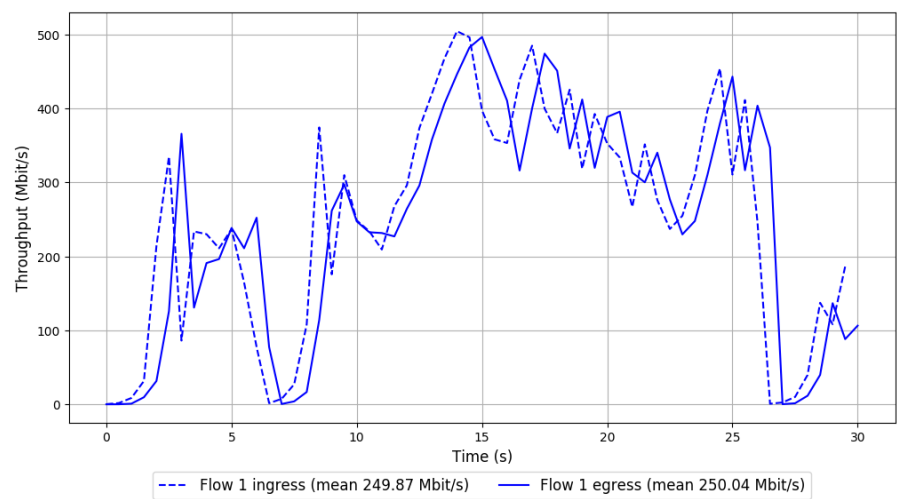


Run 5: Statistics of Verus

Start at: 2018-07-03 23:47:14
End at: 2018-07-03 23:47:44
Local clock offset: 0.003 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-04 03:15:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.04 Mbit/s
95th percentile per-packet one-way delay: 145.972 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 250.04 Mbit/s
95th percentile per-packet one-way delay: 145.972 ms
Loss rate: 0.67%

Run 5: Report of Verus — Data Link

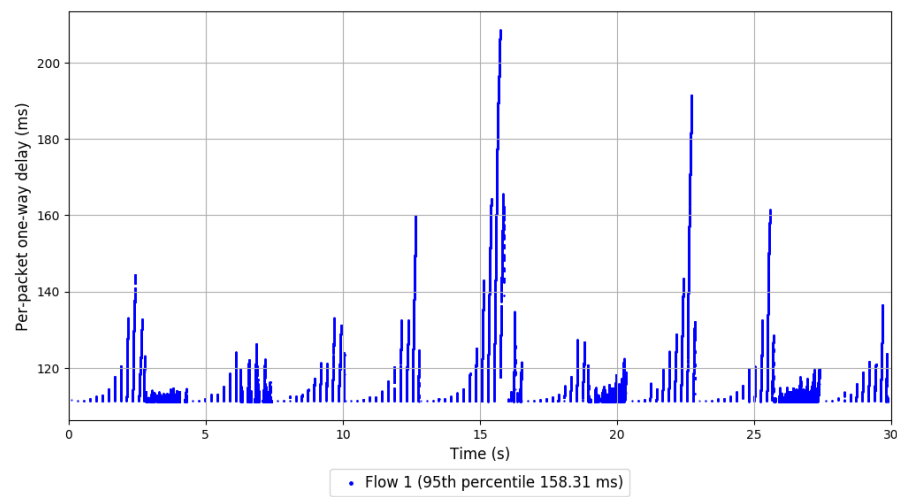
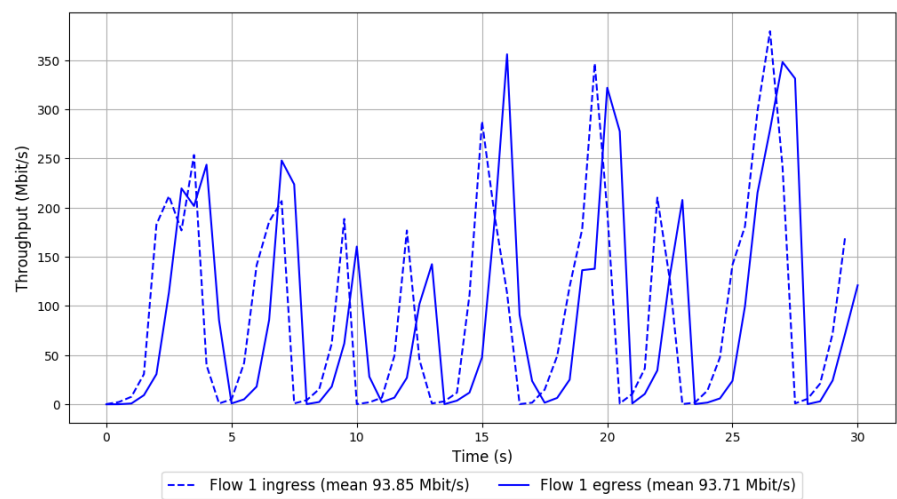


Run 6: Statistics of Verus

Start at: 2018-07-04 00:09:42
End at: 2018-07-04 00:10:12
Local clock offset: -0.113 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-04 03:15:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 158.308 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 158.308 ms
Loss rate: 0.89%

Run 6: Report of Verus — Data Link

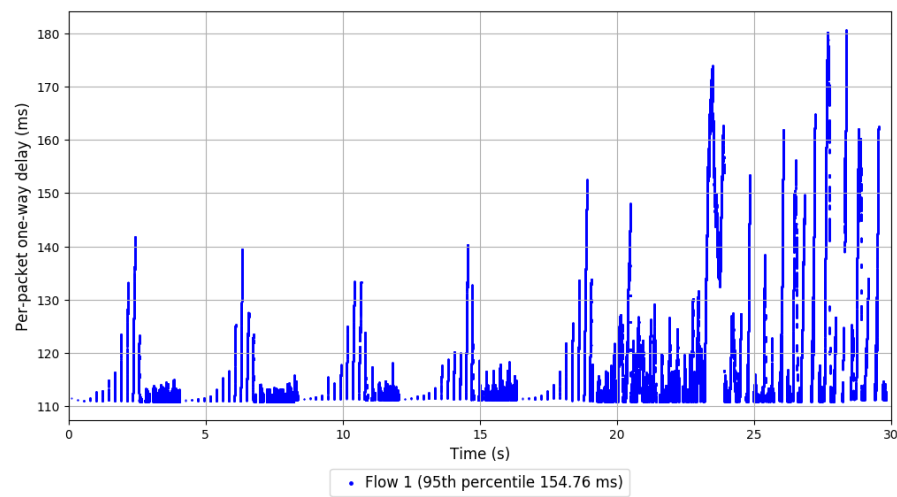
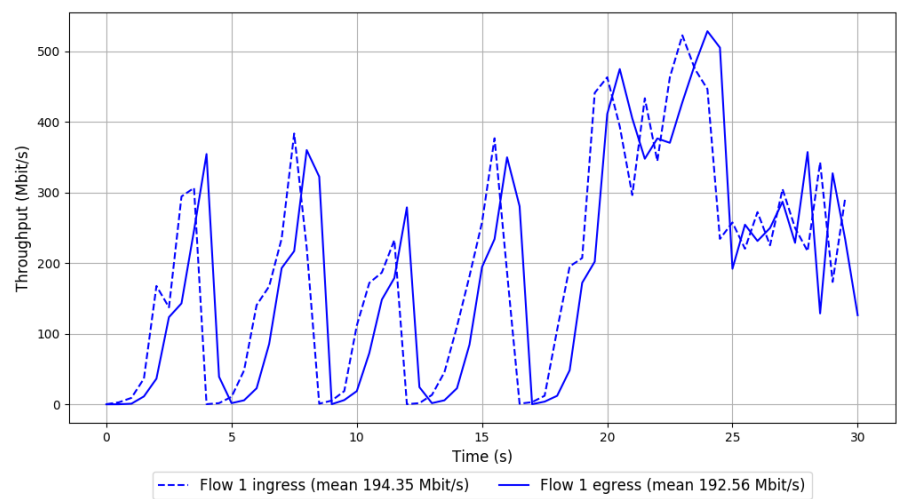


Run 7: Statistics of Verus

Start at: 2018-07-04 00:32:23
End at: 2018-07-04 00:32:53
Local clock offset: -0.013 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-04 03:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.56 Mbit/s
95th percentile per-packet one-way delay: 154.759 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 192.56 Mbit/s
95th percentile per-packet one-way delay: 154.759 ms
Loss rate: 1.79%

Run 7: Report of Verus — Data Link

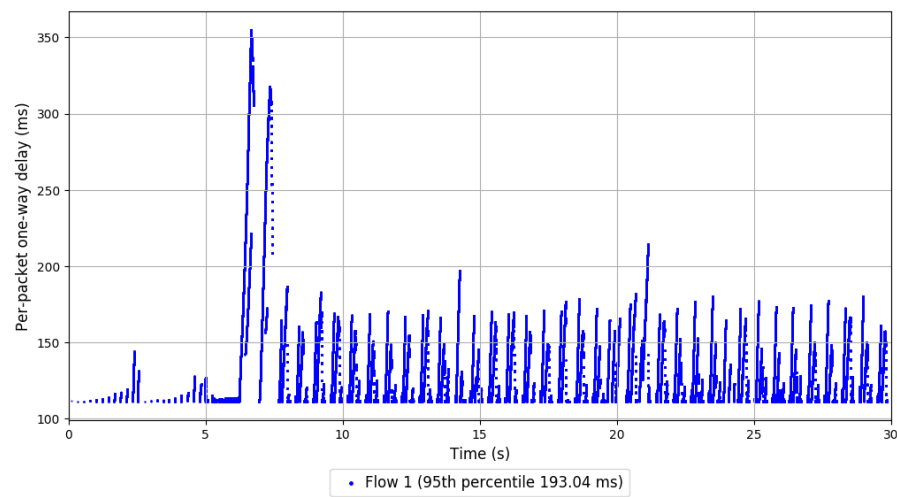
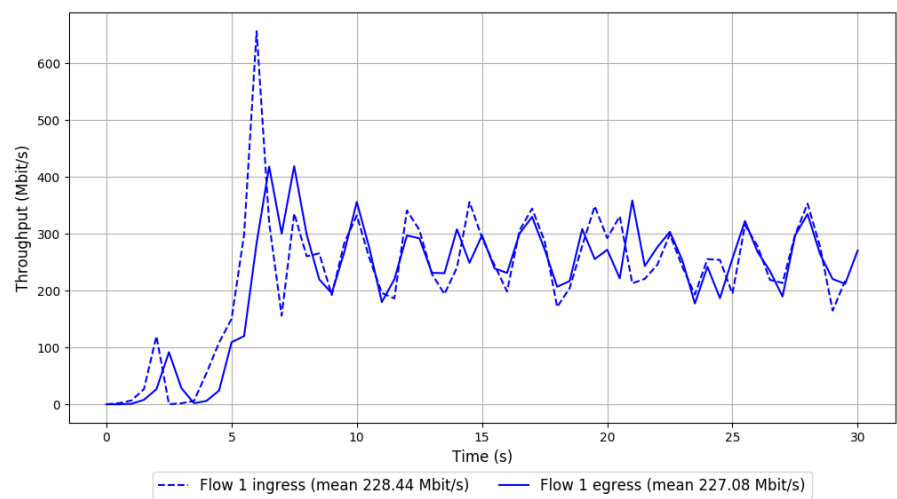


Run 8: Statistics of Verus

Start at: 2018-07-04 00:55:30
End at: 2018-07-04 00:56:00
Local clock offset: -0.02 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-07-04 03:16:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.08 Mbit/s
95th percentile per-packet one-way delay: 193.040 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 227.08 Mbit/s
95th percentile per-packet one-way delay: 193.040 ms
Loss rate: 0.86%

Run 8: Report of Verus — Data Link

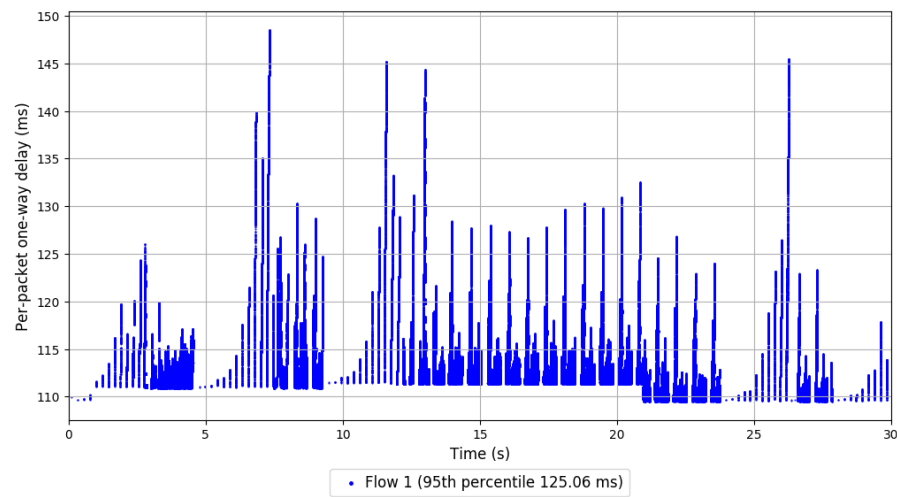
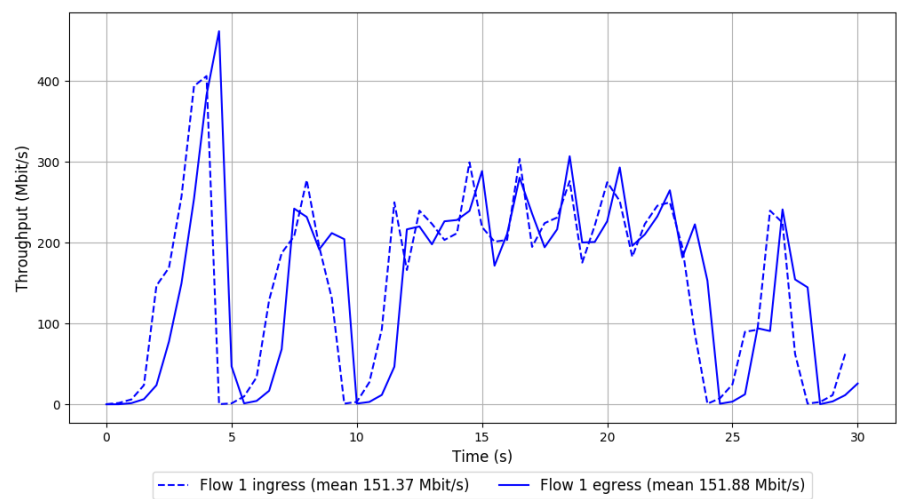


Run 9: Statistics of Verus

Start at: 2018-07-04 01:17:30
End at: 2018-07-04 01:18:00
Local clock offset: -0.016 ms
Remote clock offset: -0.421 ms

Below is generated by plot.py at 2018-07-04 03:16:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.88 Mbit/s
95th percentile per-packet one-way delay: 125.060 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 151.88 Mbit/s
95th percentile per-packet one-way delay: 125.060 ms
Loss rate: 0.40%

Run 9: Report of Verus — Data Link

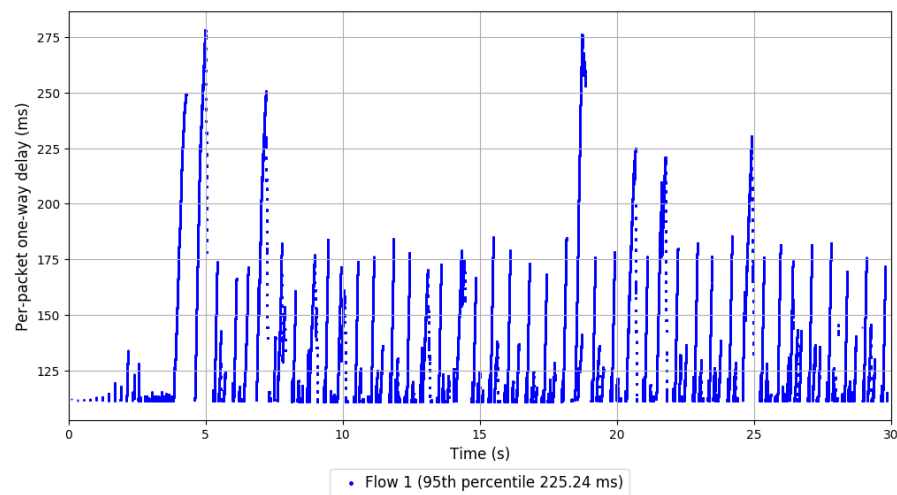
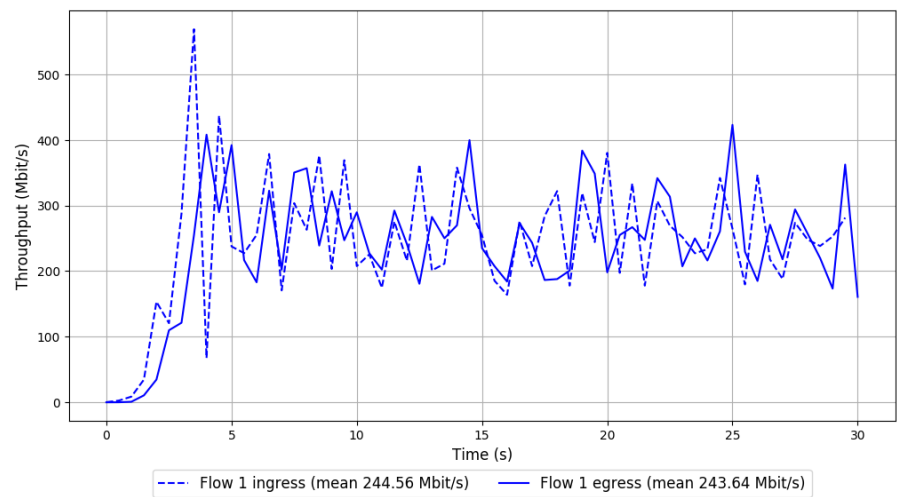


Run 10: Statistics of Verus

Start at: 2018-07-04 01:39:53
End at: 2018-07-04 01:40:23
Local clock offset: 0.164 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-04 03:16:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.64 Mbit/s
95th percentile per-packet one-way delay: 225.236 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 243.64 Mbit/s
95th percentile per-packet one-way delay: 225.236 ms
Loss rate: 0.96%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-03 22:13:53

End at: 2018-07-03 22:14:23

Local clock offset: 1.296 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-04 03:20:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.41 Mbit/s

95th percentile per-packet one-way delay: 119.224 ms

Loss rate: 1.18%

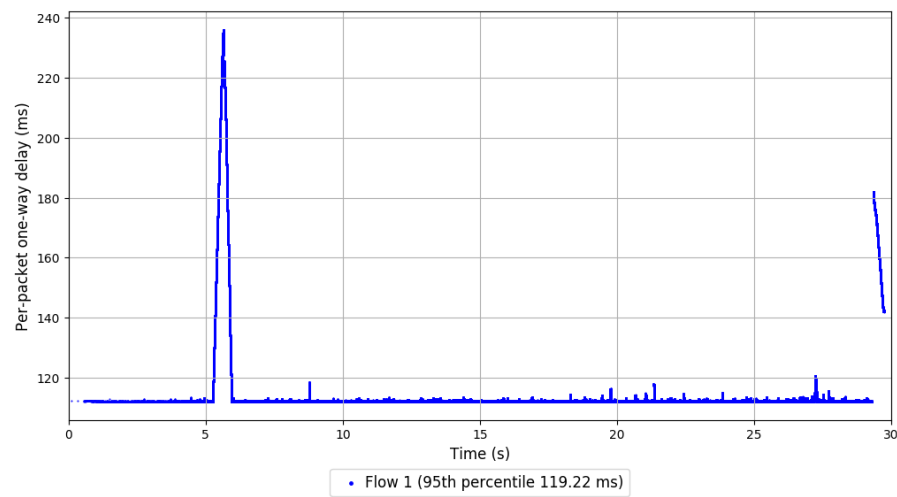
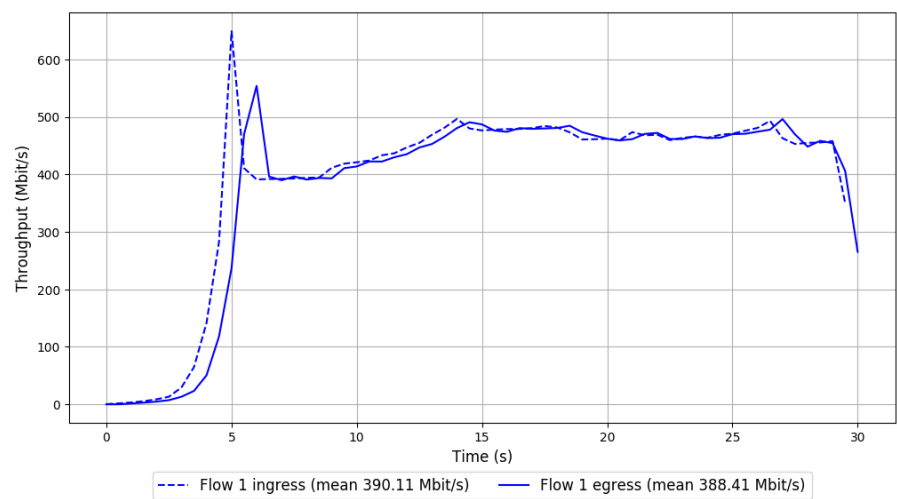
-- Flow 1:

Average throughput: 388.41 Mbit/s

95th percentile per-packet one-way delay: 119.224 ms

Loss rate: 1.18%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-03 22:37:07

End at: 2018-07-03 22:37:37

Local clock offset: -0.066 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-04 03:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.03 Mbit/s

95th percentile per-packet one-way delay: 131.788 ms

Loss rate: 0.97%

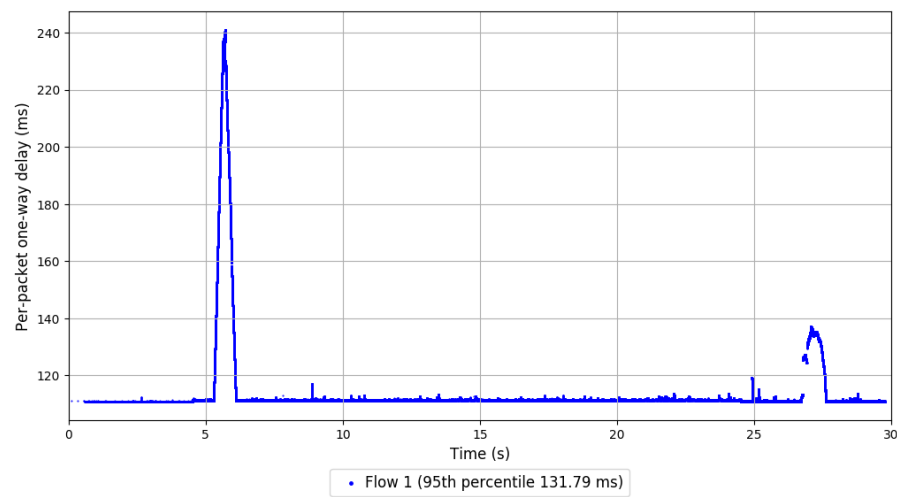
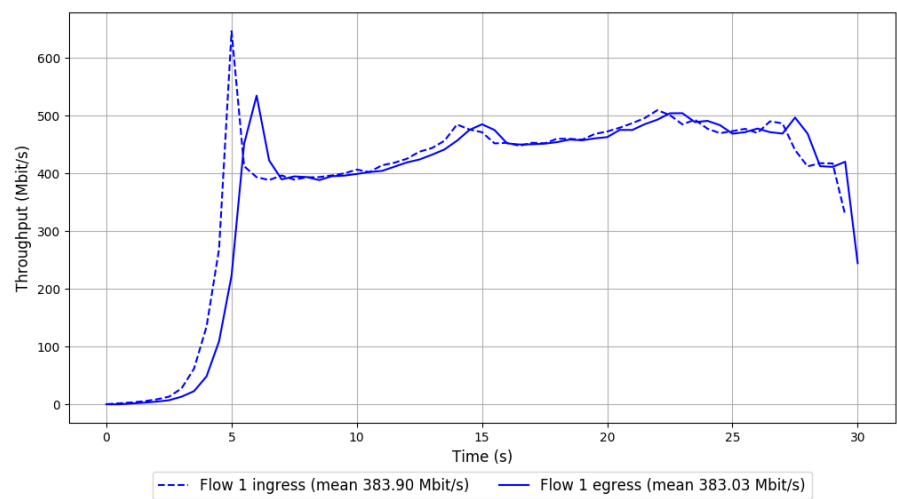
-- Flow 1:

Average throughput: 383.03 Mbit/s

95th percentile per-packet one-way delay: 131.788 ms

Loss rate: 0.97%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-03 23:00:07

End at: 2018-07-03 23:00:37

Local clock offset: -0.179 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-07-04 03:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.75 Mbit/s

95th percentile per-packet one-way delay: 112.580 ms

Loss rate: 0.95%

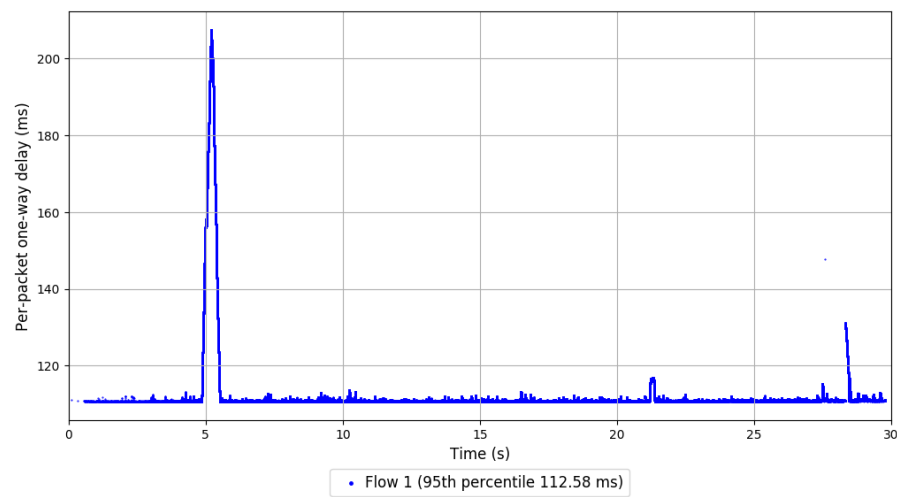
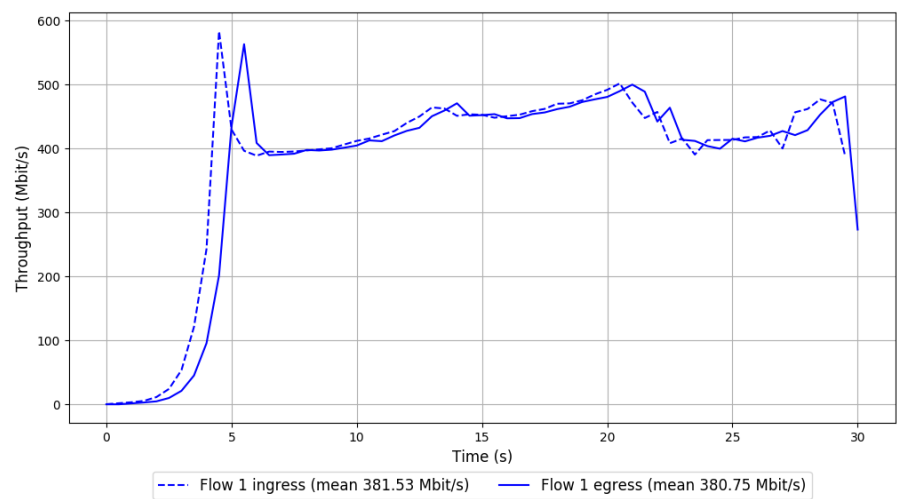
-- Flow 1:

Average throughput: 380.75 Mbit/s

95th percentile per-packet one-way delay: 112.580 ms

Loss rate: 0.95%

Run 3: Report of PCC-Vivace — Data Link

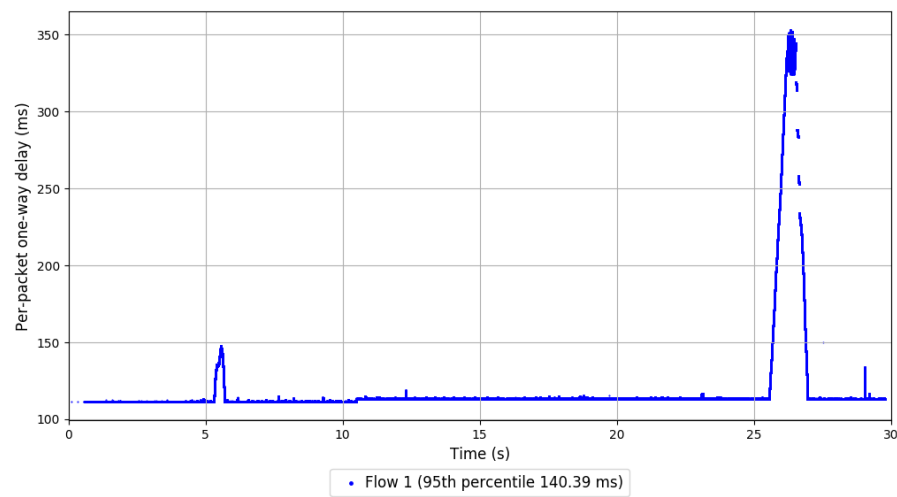
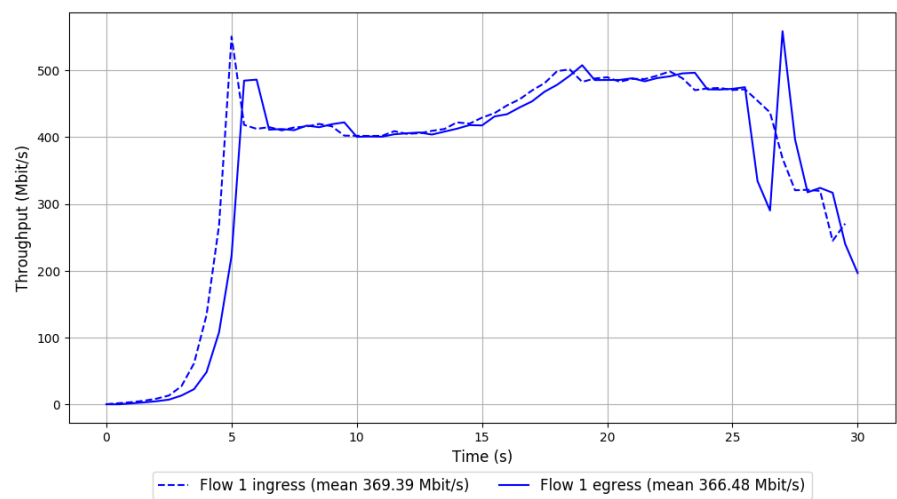


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-03 23:23:11
End at: 2018-07-03 23:23:41
Local clock offset: 0.057 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-04 03:21:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.48 Mbit/s
95th percentile per-packet one-way delay: 140.392 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 366.48 Mbit/s
95th percentile per-packet one-way delay: 140.392 ms
Loss rate: 1.53%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-03 23:45:40

End at: 2018-07-03 23:46:10

Local clock offset: 1.078 ms

Remote clock offset: -0.576 ms

Below is generated by plot.py at 2018-07-04 03:21:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.68 Mbit/s

95th percentile per-packet one-way delay: 117.904 ms

Loss rate: 0.88%

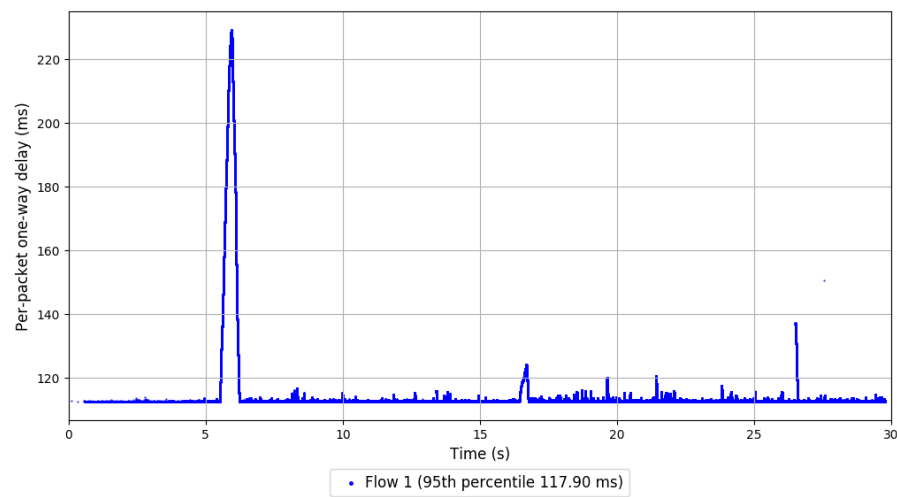
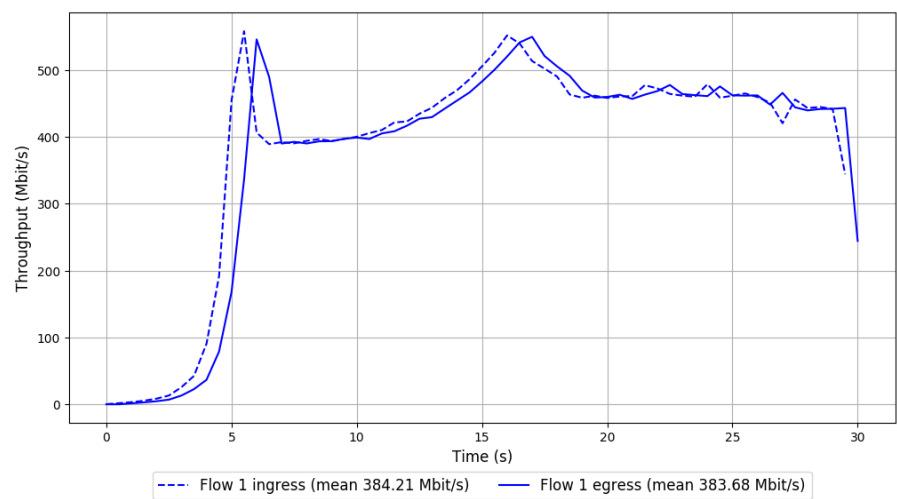
-- Flow 1:

Average throughput: 383.68 Mbit/s

95th percentile per-packet one-way delay: 117.904 ms

Loss rate: 0.88%

Run 5: Report of PCC-Vivace — Data Link

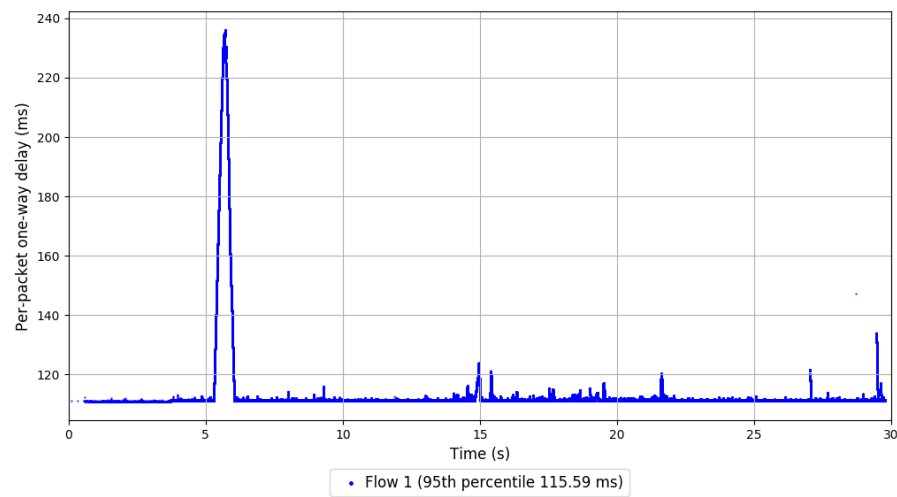
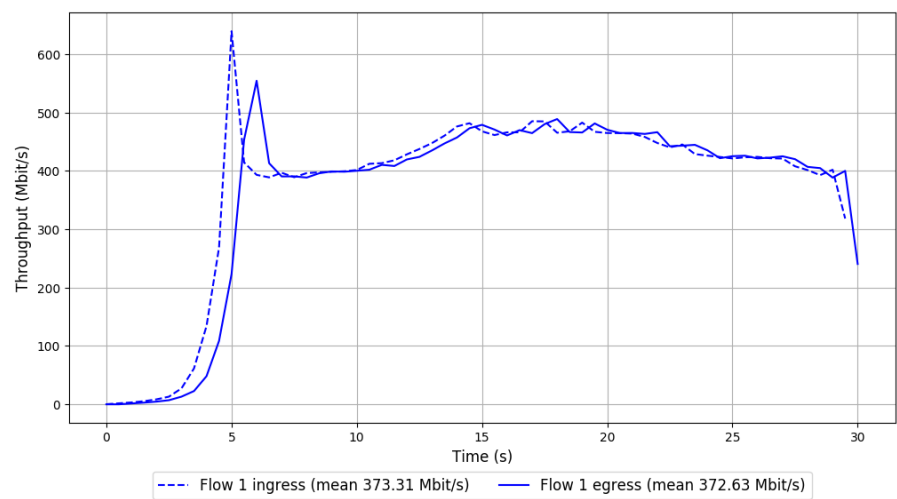


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 00:08:08
End at: 2018-07-04 00:08:38
Local clock offset: -0.142 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-07-04 03:21:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.63 Mbit/s
95th percentile per-packet one-way delay: 115.588 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 372.63 Mbit/s
95th percentile per-packet one-way delay: 115.588 ms
Loss rate: 0.93%

Run 6: Report of PCC-Vivace — Data Link

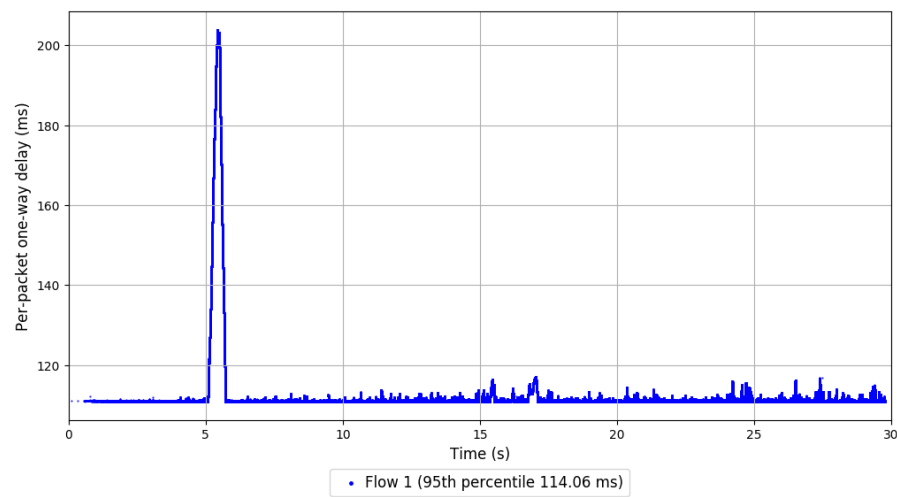
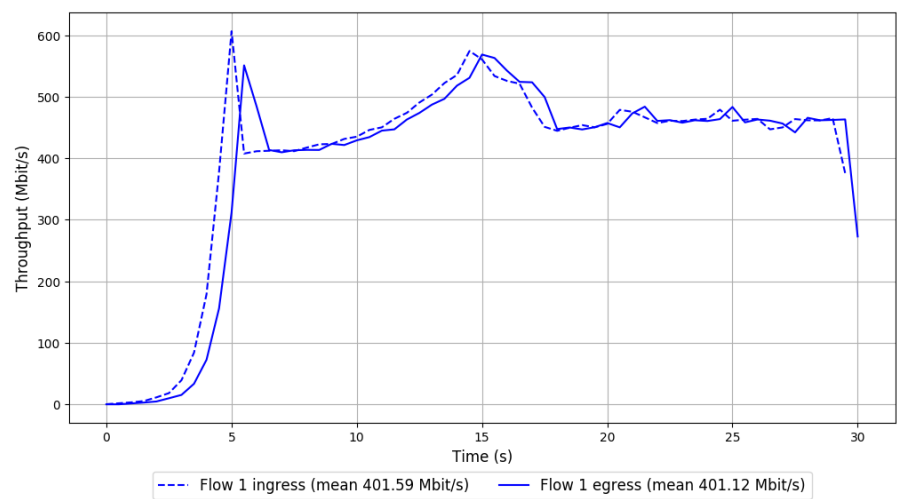


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 00:30:47
End at: 2018-07-04 00:31:17
Local clock offset: -0.254 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-07-04 03:22:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.12 Mbit/s
95th percentile per-packet one-way delay: 114.056 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 401.12 Mbit/s
95th percentile per-packet one-way delay: 114.056 ms
Loss rate: 0.86%

Run 7: Report of PCC-Vivace — Data Link

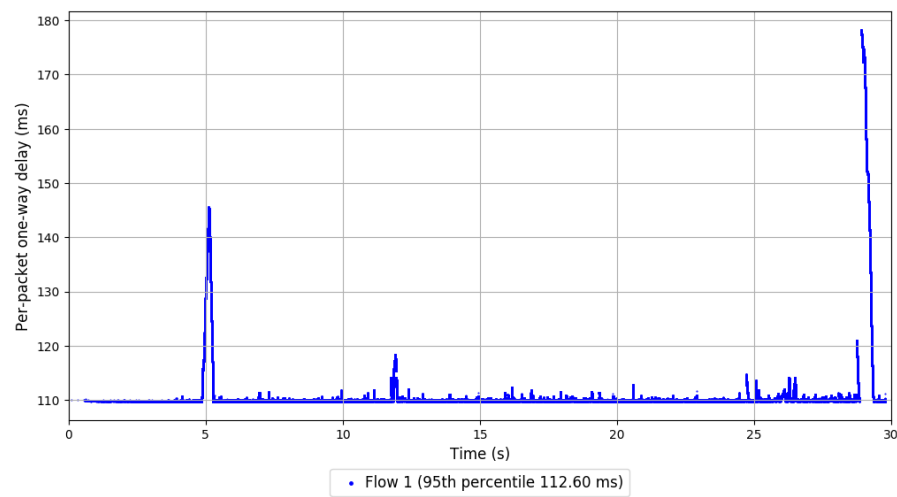
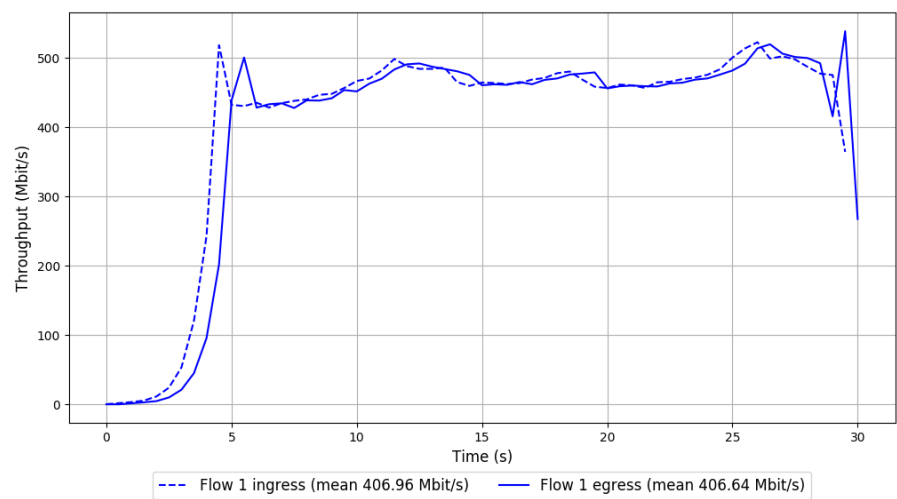


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 00:53:54
End at: 2018-07-04 00:54:24
Local clock offset: -1.187 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-07-04 03:22:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 406.64 Mbit/s
95th percentile per-packet one-way delay: 112.597 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 406.64 Mbit/s
95th percentile per-packet one-way delay: 112.597 ms
Loss rate: 0.82%

Run 8: Report of PCC-Vivace — Data Link

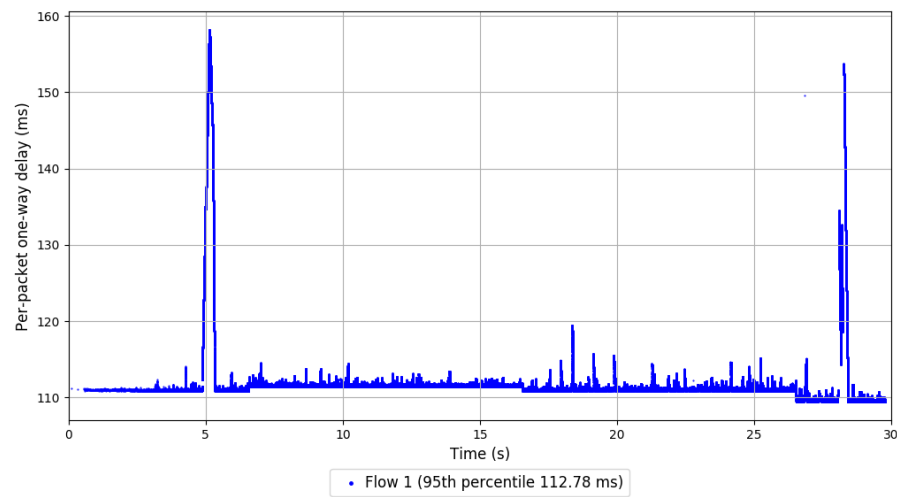
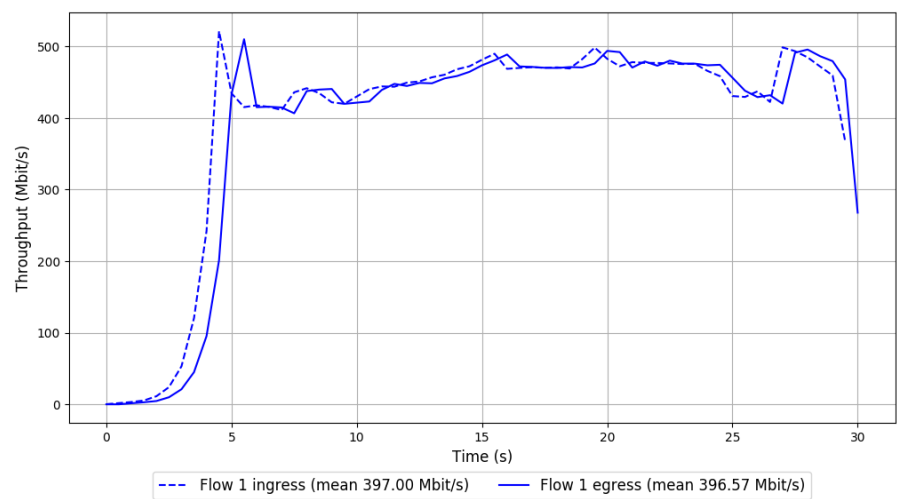


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 01:15:55
End at: 2018-07-04 01:16:25
Local clock offset: -0.053 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-07-04 03:23:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.57 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 396.57 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.85%

Run 9: Report of PCC-Vivace — Data Link

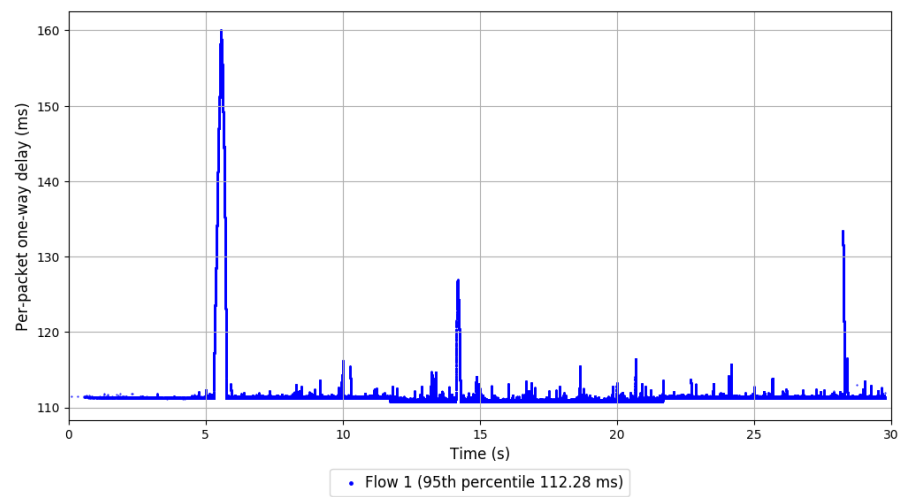
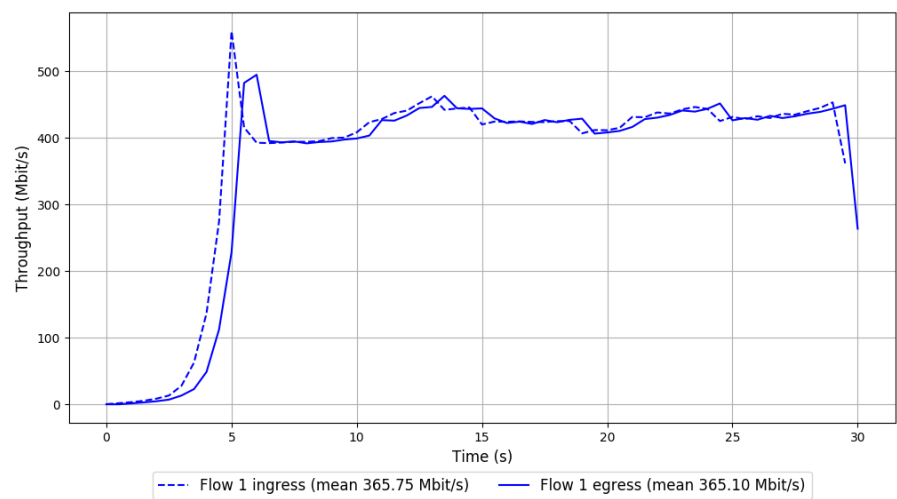


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 01:38:20
End at: 2018-07-04 01:38:50
Local clock offset: -0.052 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-07-04 03:23:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.10 Mbit/s
95th percentile per-packet one-way delay: 112.277 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 365.10 Mbit/s
95th percentile per-packet one-way delay: 112.277 ms
Loss rate: 0.92%

Run 10: Report of PCC-Vivace — Data Link

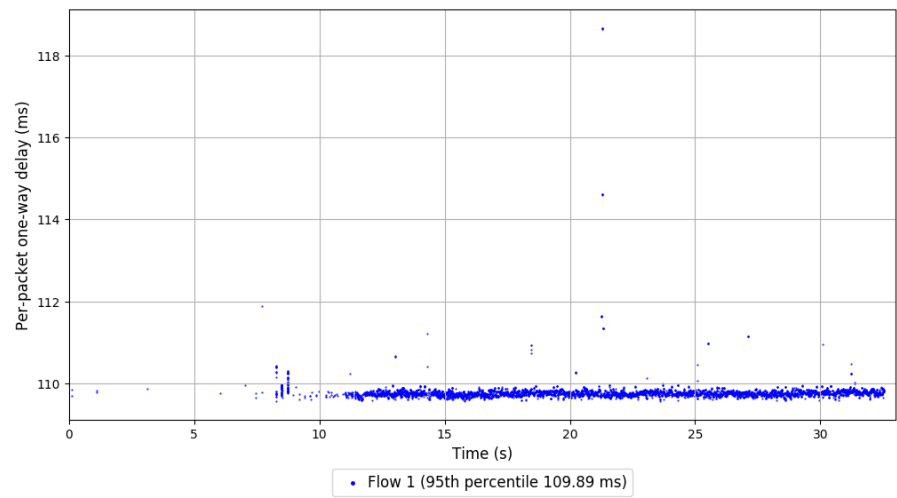
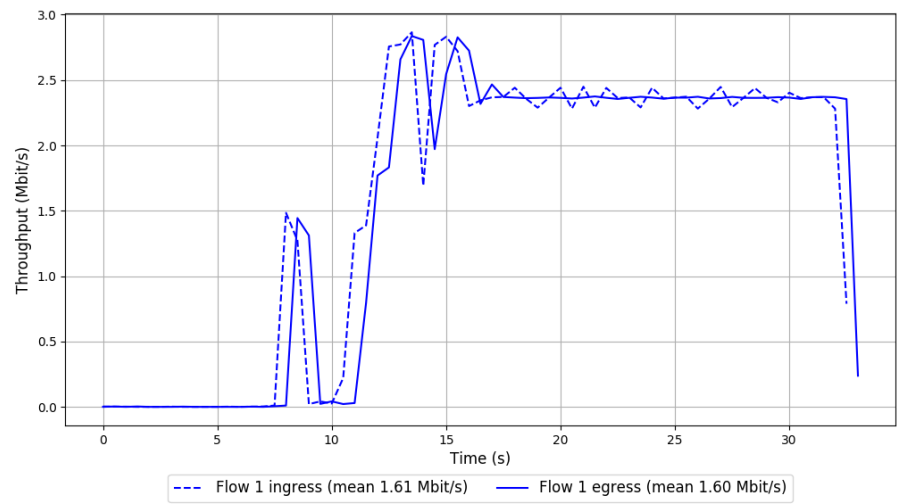


Run 1: Statistics of WebRTC media

Start at: 2018-07-03 22:00:19
End at: 2018-07-03 22:00:49
Local clock offset: -1.229 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-04 03:23:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 109.885 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 109.885 ms
Loss rate: 0.98%

Run 1: Report of WebRTC media — Data Link

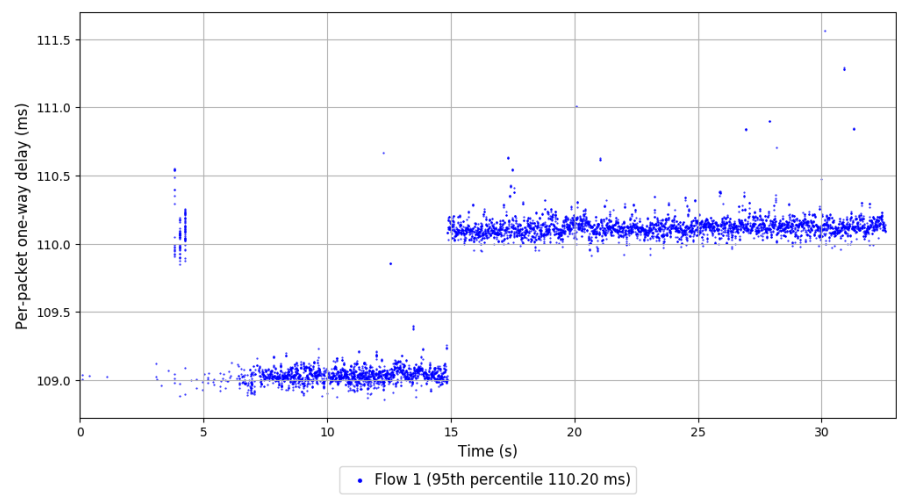
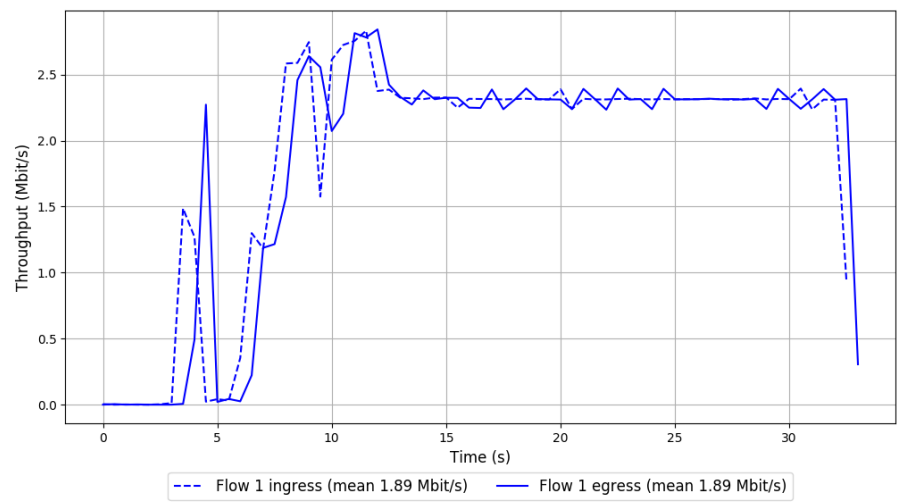


Run 2: Statistics of WebRTC media

Start at: 2018-07-03 22:23:09
End at: 2018-07-03 22:23:39
Local clock offset: -1.041 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-04 03:23:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.204 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.204 ms
Loss rate: 0.87%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-03 22:46:14

End at: 2018-07-03 22:46:44

Local clock offset: -0.244 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-04 03:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.382 ms

Loss rate: 0.87%

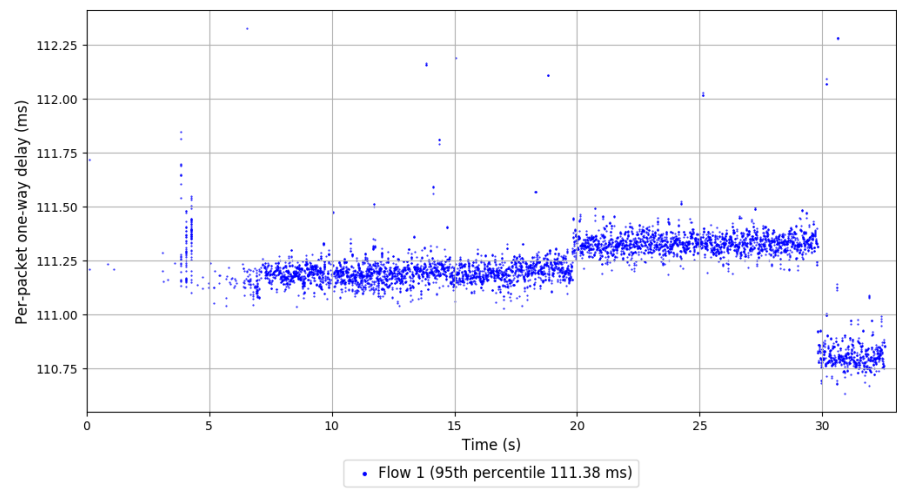
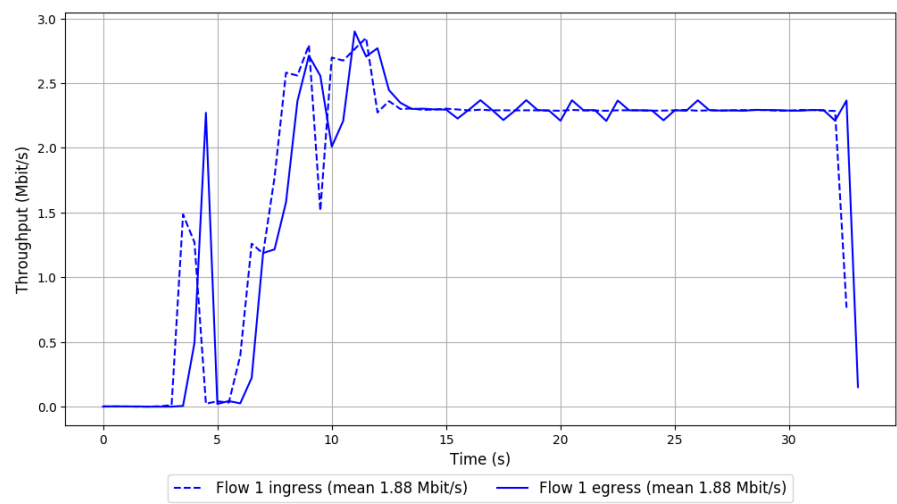
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.382 ms

Loss rate: 0.87%

Run 3: Report of WebRTC media — Data Link

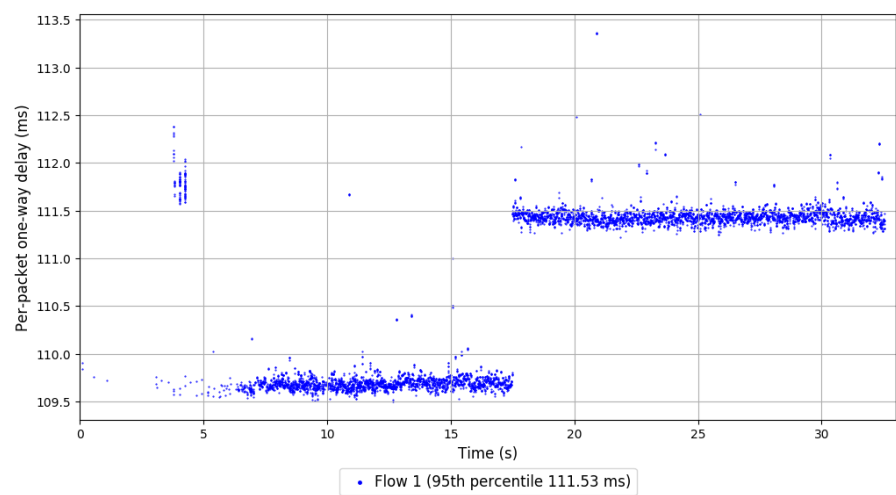
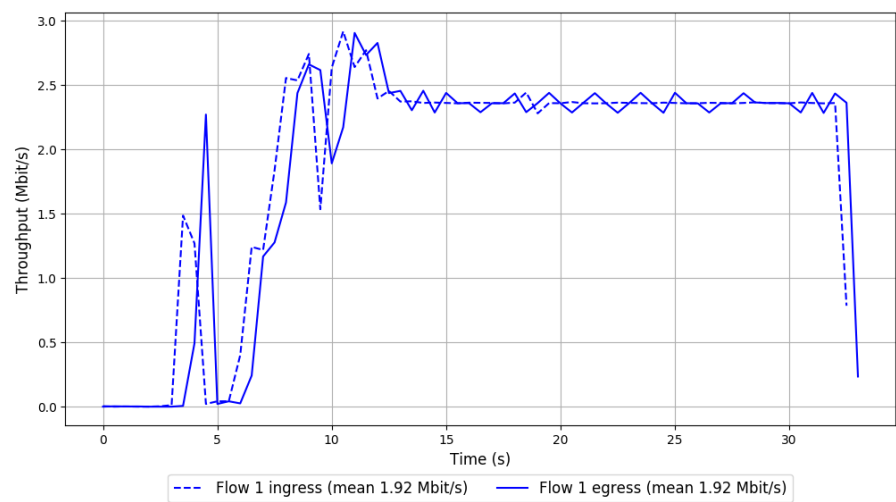


Run 4: Statistics of WebRTC media

Start at: 2018-07-03 23:09:26
End at: 2018-07-03 23:09:57
Local clock offset: -0.067 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-04 03:23:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.531 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.531 ms
Loss rate: 0.81%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-03 23:32:19

End at: 2018-07-03 23:32:49

Local clock offset: 0.29 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-04 03:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.726 ms

Loss rate: 0.81%

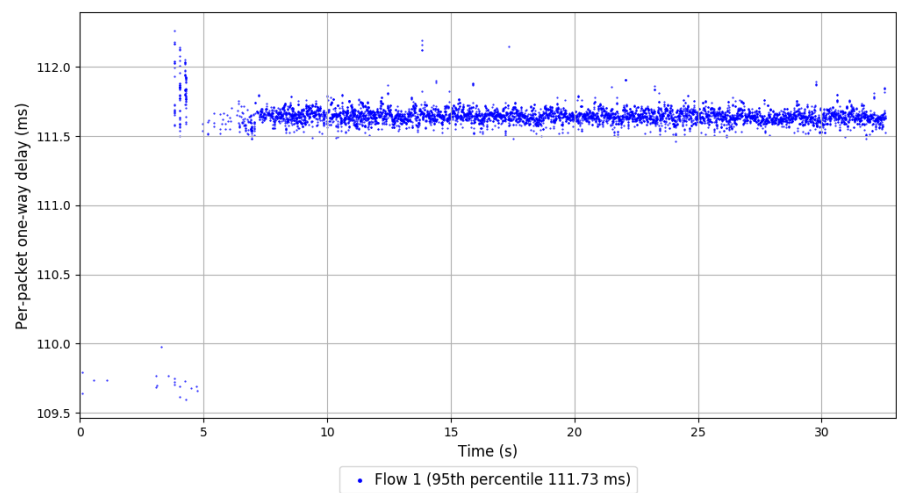
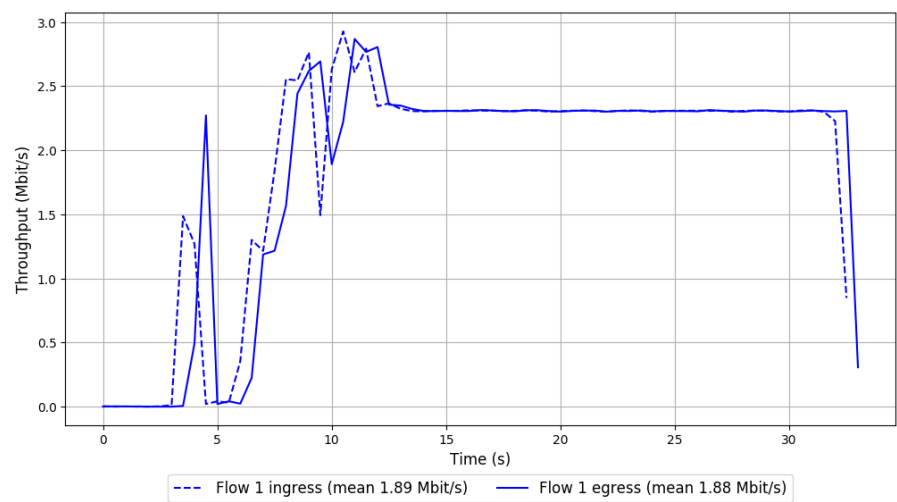
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 111.726 ms

Loss rate: 0.81%

Run 5: Report of WebRTC media — Data Link

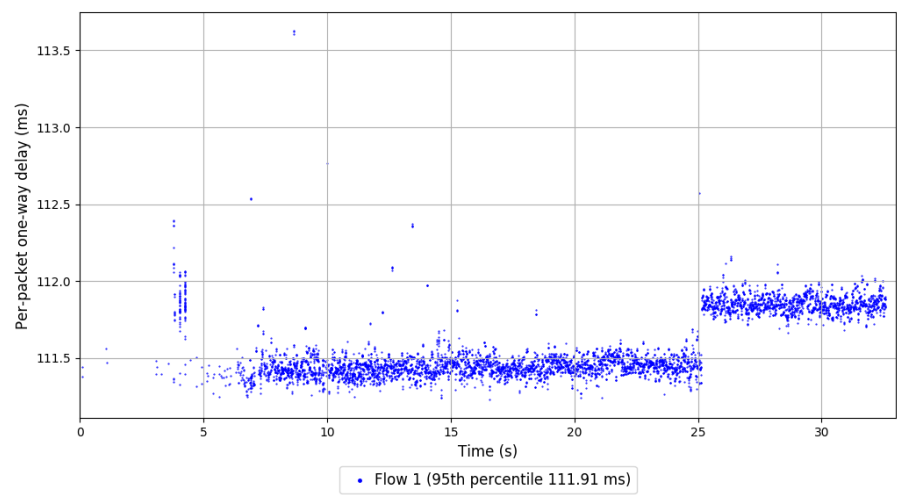
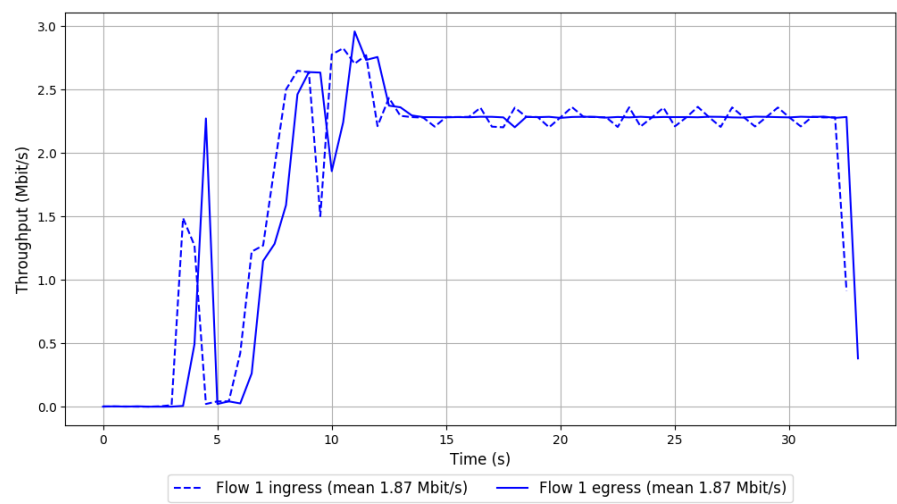


Run 6: Statistics of WebRTC media

Start at: 2018-07-03 23:54:59
End at: 2018-07-03 23:55:29
Local clock offset: 0.431 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-07-04 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.81%

Run 6: Report of WebRTC media — Data Link

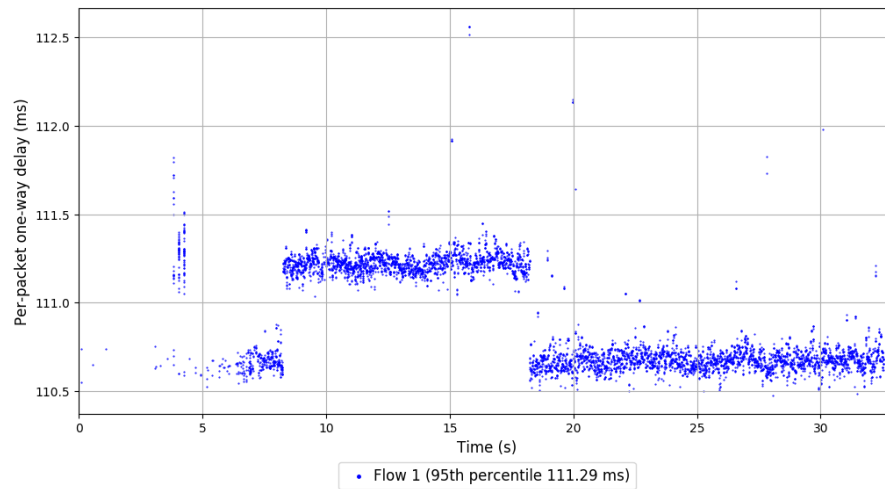
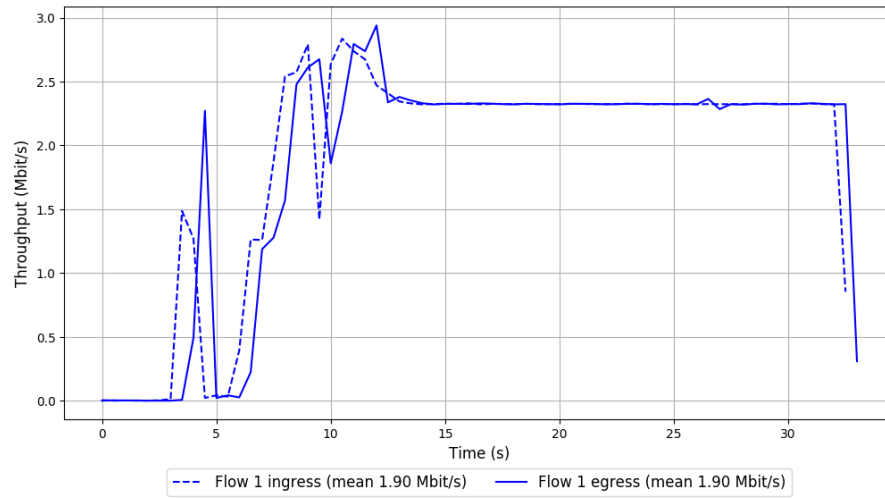


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 00:17:06
End at: 2018-07-04 00:17:36
Local clock offset: -0.186 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-07-04 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.288 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 111.288 ms
Loss rate: 0.87%

Run 7: Report of WebRTC media — Data Link

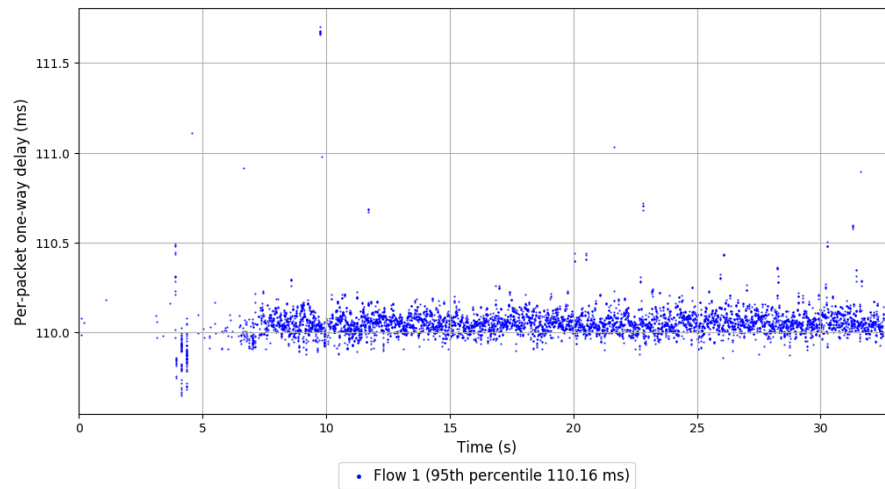
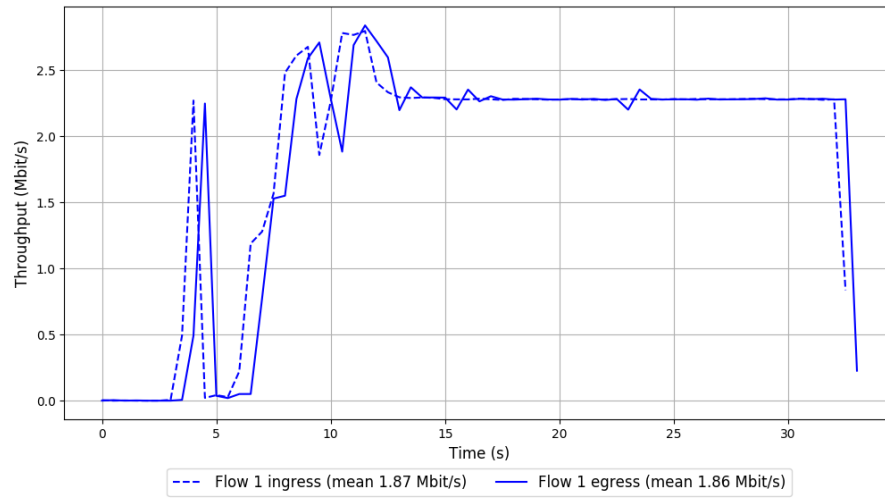


Run 8: Statistics of WebRTC media

Start at: 2018-07-04 00:40:03
End at: 2018-07-04 00:40:33
Local clock offset: -1.298 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-04 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 110.155 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 110.155 ms
Loss rate: 0.87%

Run 8: Report of WebRTC media — Data Link

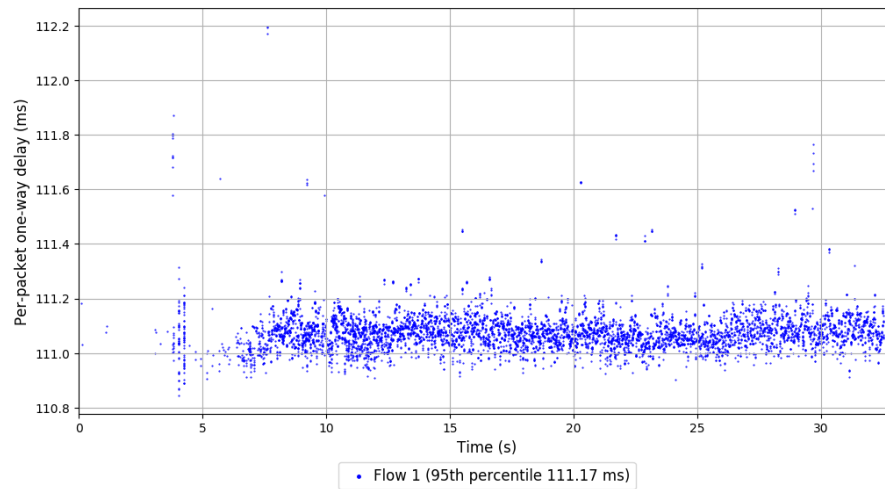
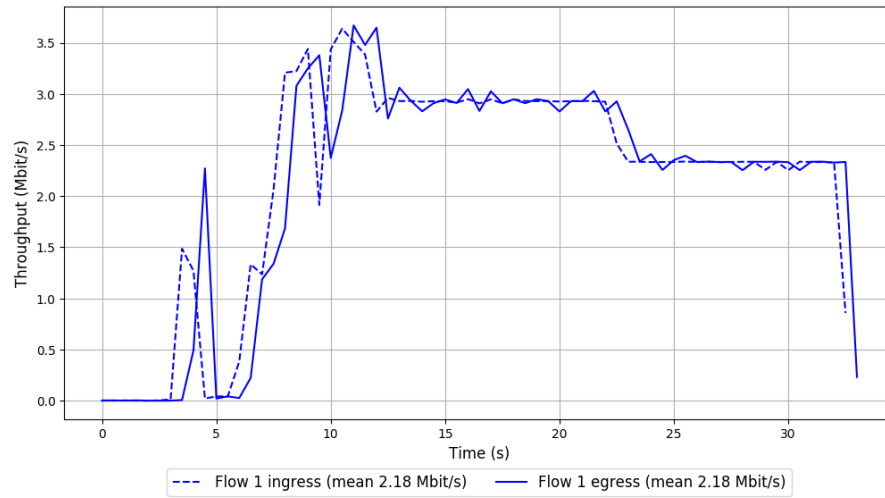


Run 9: Statistics of WebRTC media

Start at: 2018-07-04 01:03:08
End at: 2018-07-04 01:03:38
Local clock offset: -0.068 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-04 03:23:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 111.171 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 111.171 ms
Loss rate: 0.78%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 01:25:02

End at: 2018-07-04 01:25:32

Local clock offset: -1.337 ms

Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-07-04 03:23:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 109.981 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 109.981 ms

Loss rate: 0.87%

Run 10: Report of WebRTC media — Data Link

