

Pantheon Report

Generated at 2018-06-29 16:21:18 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

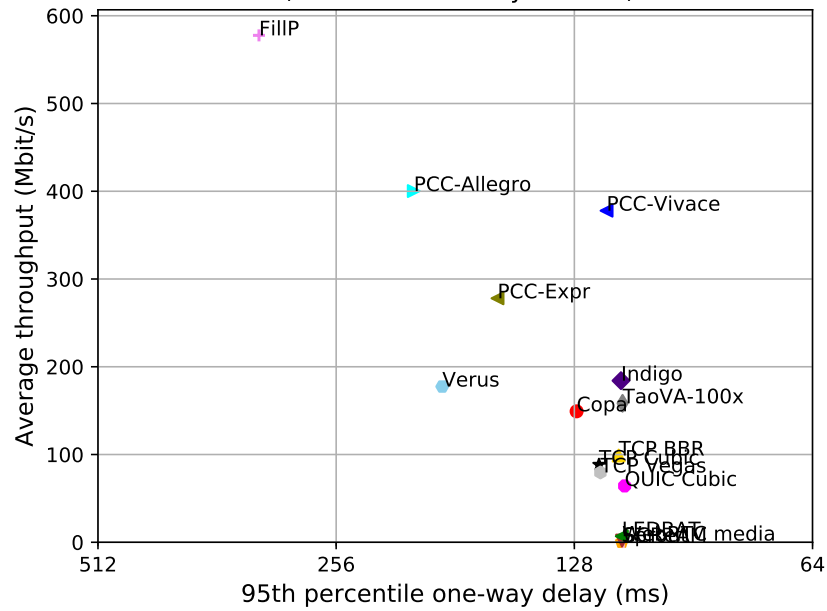
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

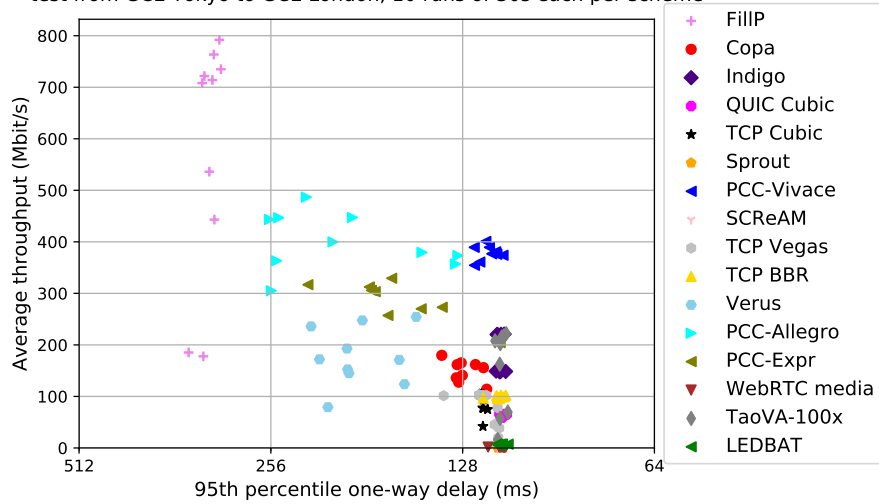
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 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 Tokyo to GCE London, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	98.85	112.52	0.00
Copa	9	149.21	127.16	0.00
TCP Cubic	10	88.44	119.16	0.01
FillP	10	577.65	320.47	2.44
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	184.14	111.76	0.00
LEDBAT	10	6.89	111.51	0.00
PCC-Allegro	10	400.20	204.24	1.25
PCC-Expr	10	278.00	160.08	0.92
QUIC Cubic	9	64.21	110.58	0.00
SCReAM	10	0.22	111.01	0.00
Sprout	10	0.21	111.51	0.00
TaoVA-100x	10	158.34	111.25	0.00
TCP Vegas	10	79.55	118.65	0.01
Verus	10	177.44	188.01	0.59
PCC-Vivace	10	377.86	116.56	0.03
WebRTC media	10	1.89	111.39	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 11:30:21

End at: 2018-06-29 11:30:51

Local clock offset: 3.646 ms

Remote clock offset: -9.982 ms

Below is generated by plot.py at 2018-06-29 15:18:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 118.809 ms

Loss rate: 0.00%

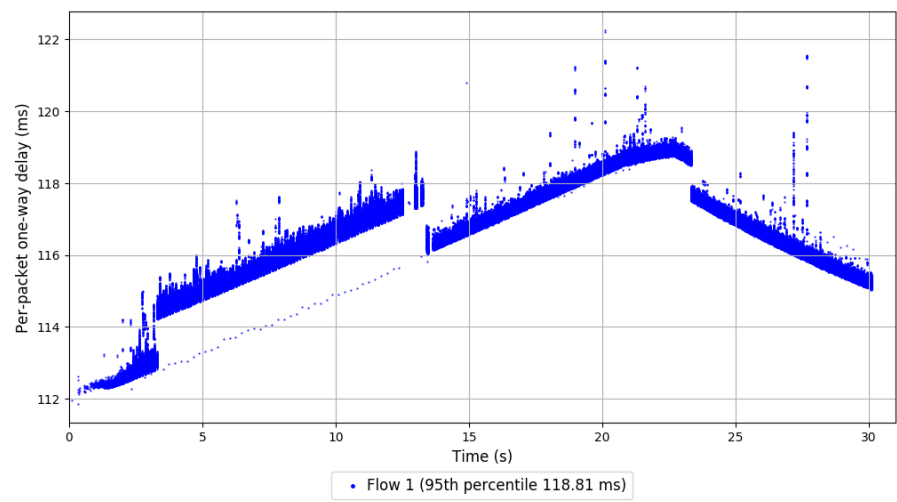
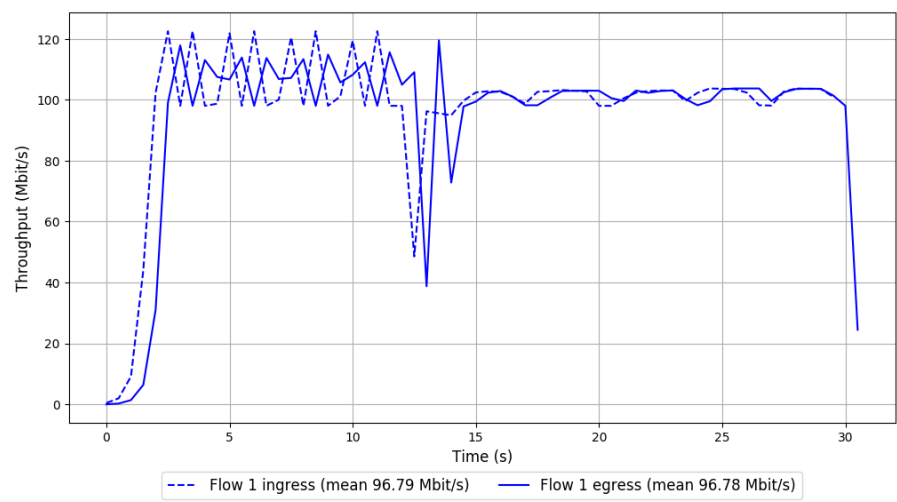
-- Flow 1:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 118.809 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

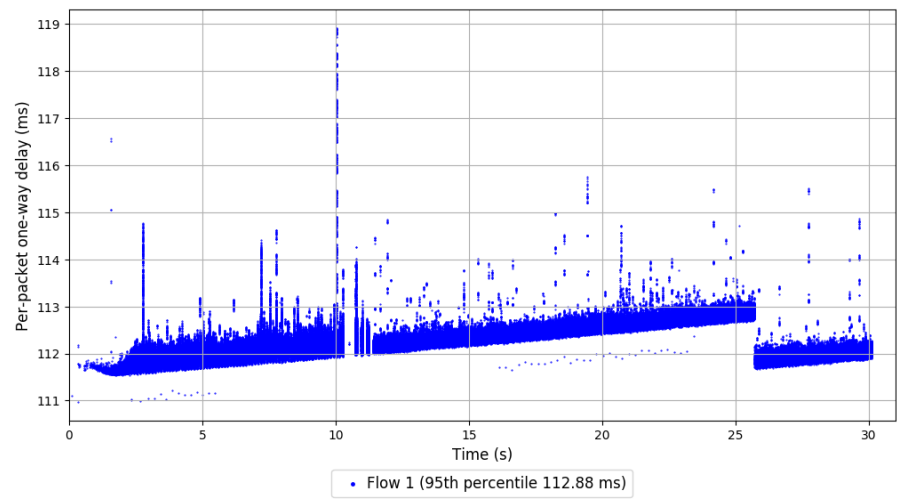
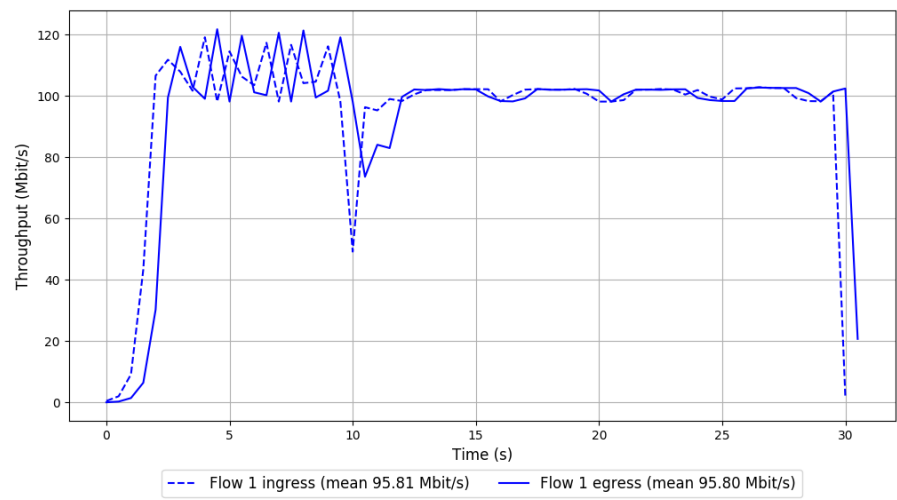


Run 2: Statistics of TCP BBR

Start at: 2018-06-29 11:52:18
End at: 2018-06-29 11:52:48
Local clock offset: 12.722 ms
Remote clock offset: -24.516 ms

Below is generated by plot.py at 2018-06-29 15:18:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

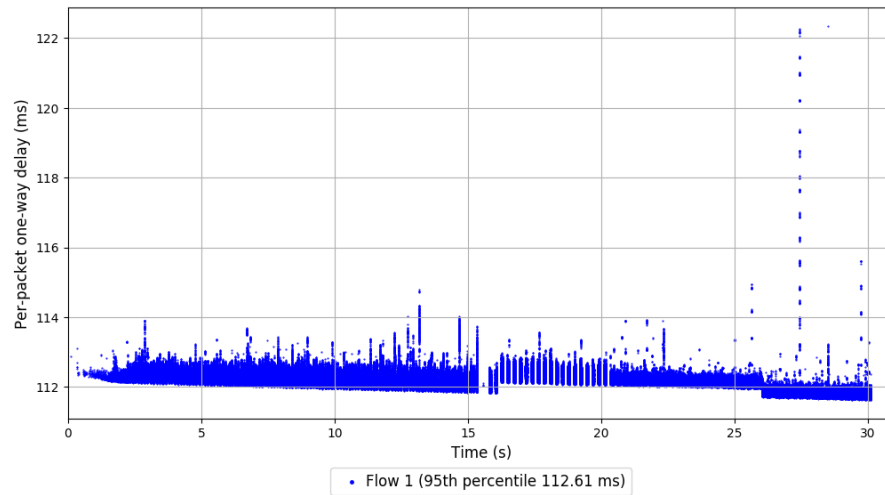
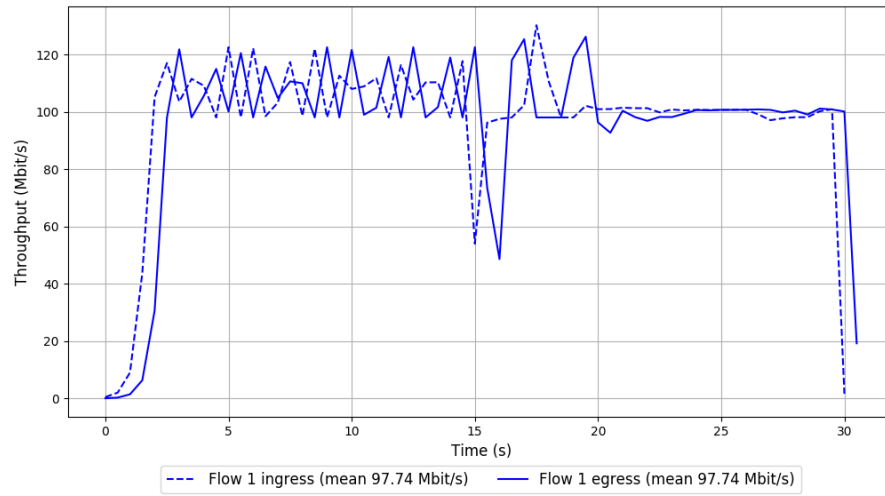


Run 3: Statistics of TCP BBR

Start at: 2018-06-29 12:14:18
End at: 2018-06-29 12:14:48
Local clock offset: 16.993 ms
Remote clock offset: -35.844 ms

Below is generated by plot.py at 2018-06-29 15:18:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.74 Mbit/s
95th percentile per-packet one-way delay: 112.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.74 Mbit/s
95th percentile per-packet one-way delay: 112.605 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

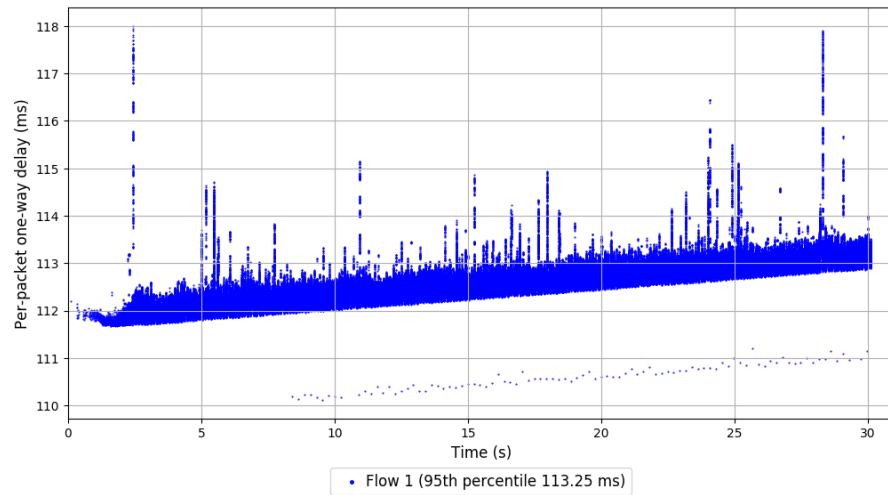
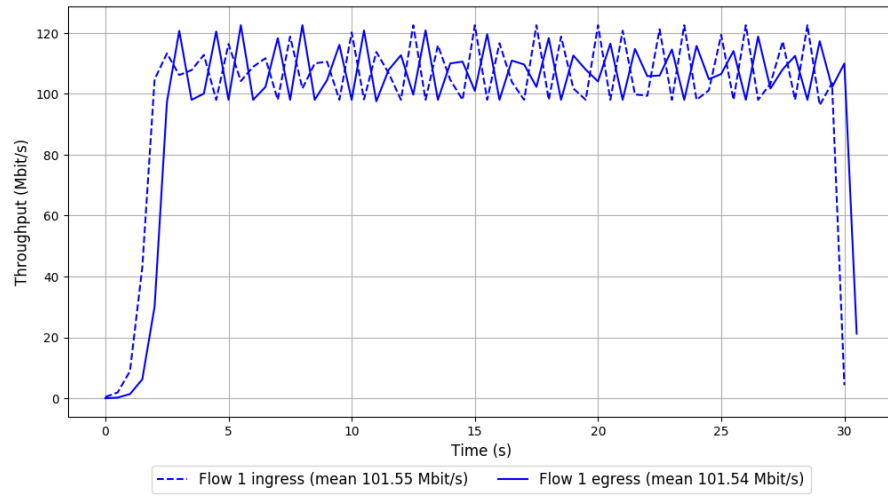


Run 4: Statistics of TCP BBR

Start at: 2018-06-29 12:35:56
End at: 2018-06-29 12:36:26
Local clock offset: 34.991 ms
Remote clock offset: -48.13 ms

Below is generated by plot.py at 2018-06-29 15:18:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.54 Mbit/s
95th percentile per-packet one-way delay: 113.255 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 101.54 Mbit/s
95th percentile per-packet one-way delay: 113.255 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link

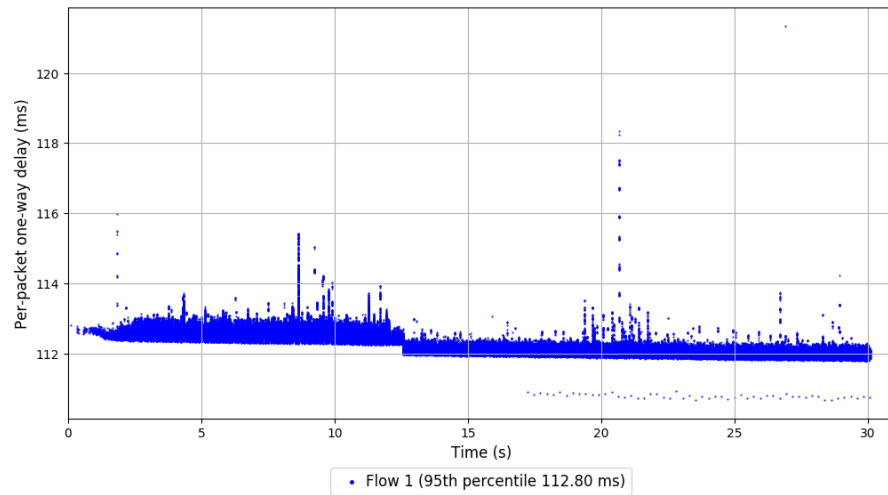
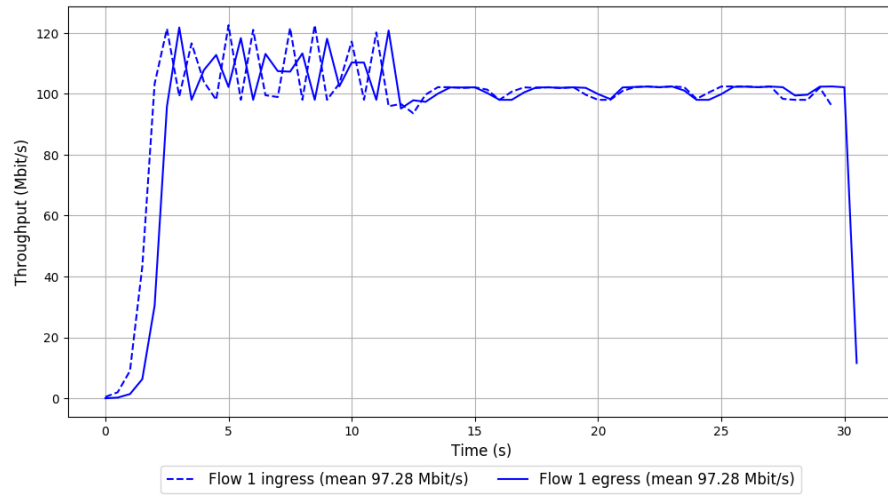


Run 5: Statistics of TCP BBR

Start at: 2018-06-29 12:57:52
End at: 2018-06-29 12:58:22
Local clock offset: 12.853 ms
Remote clock offset: -26.367 ms

Below is generated by plot.py at 2018-06-29 15:18:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 112.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 112.797 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

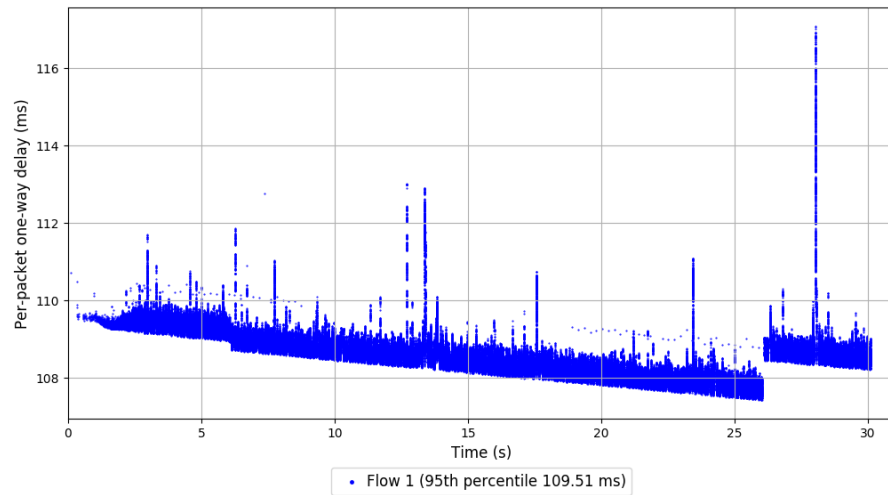
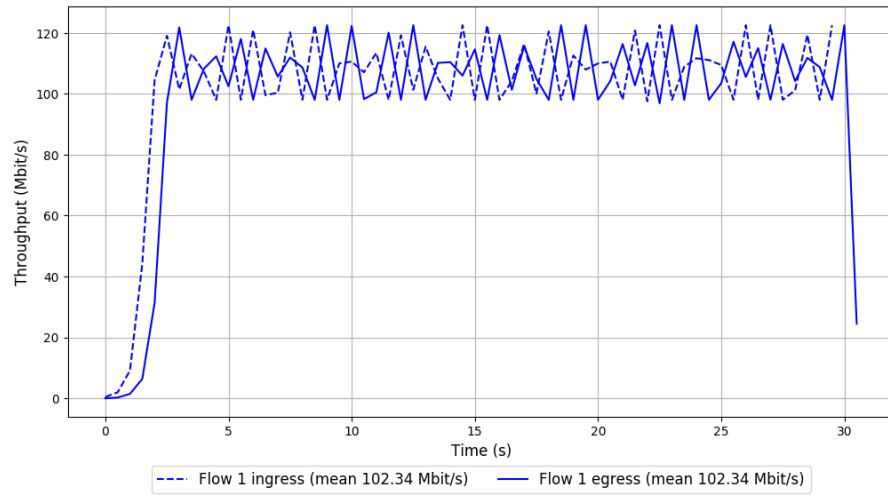


Run 6: Statistics of TCP BBR

Start at: 2018-06-29 13:19:48
End at: 2018-06-29 13:20:18
Local clock offset: 8.786 ms
Remote clock offset: -32.079 ms

Below is generated by plot.py at 2018-06-29 15:18:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.34 Mbit/s
95th percentile per-packet one-way delay: 109.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.34 Mbit/s
95th percentile per-packet one-way delay: 109.513 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

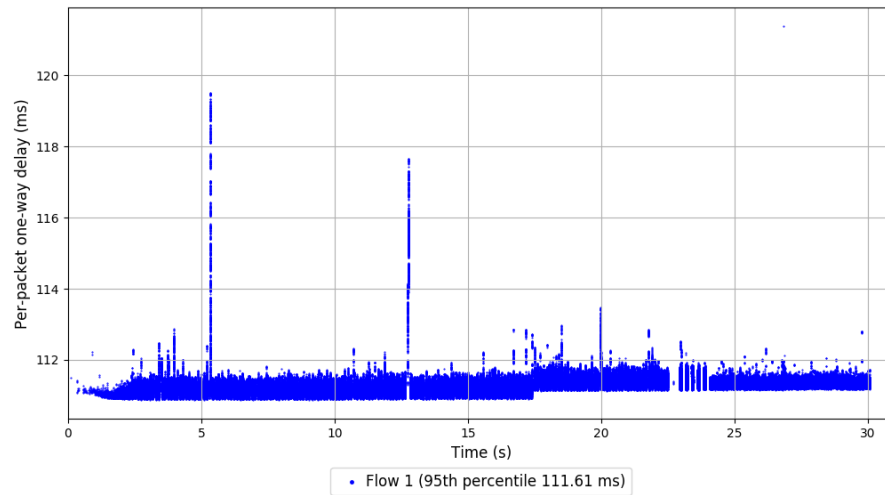
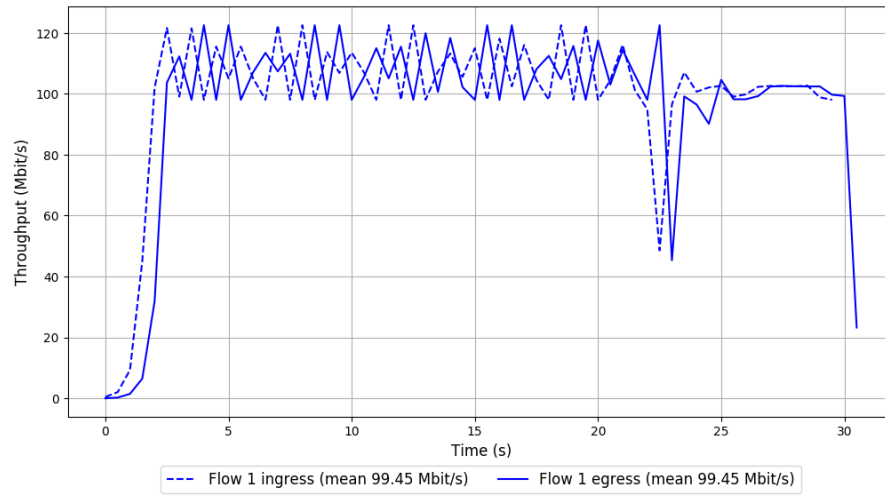


Run 7: Statistics of TCP BBR

Start at: 2018-06-29 13:41:47
End at: 2018-06-29 13:42:17
Local clock offset: 8.008 ms
Remote clock offset: -6.866 ms

Below is generated by plot.py at 2018-06-29 15:18:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 111.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.45 Mbit/s
95th percentile per-packet one-way delay: 111.610 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-29 14:03:43

End at: 2018-06-29 14:04:13

Local clock offset: 3.339 ms

Remote clock offset: -3.284 ms

Below is generated by plot.py at 2018-06-29 15:18:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.33 Mbit/s

95th percentile per-packet one-way delay: 110.193 ms

Loss rate: 0.00%

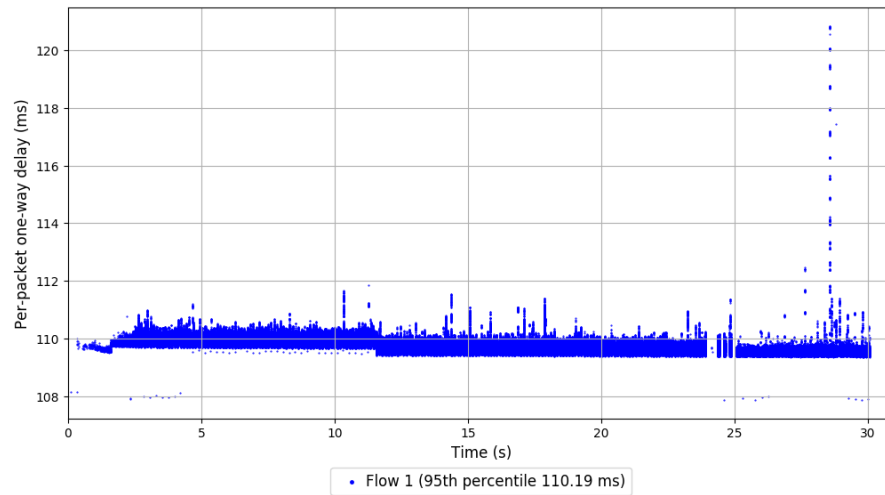
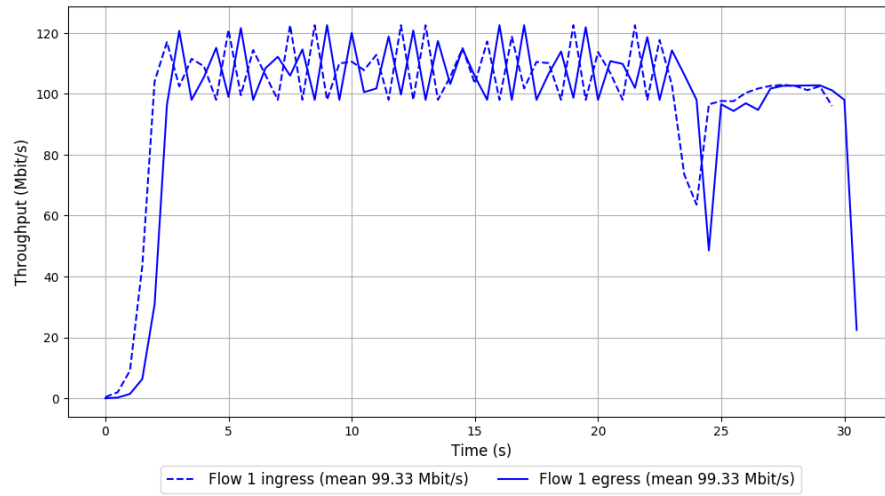
-- Flow 1:

Average throughput: 99.33 Mbit/s

95th percentile per-packet one-way delay: 110.193 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-29 14:25:48

End at: 2018-06-29 14:26:18

Local clock offset: 1.338 ms

Remote clock offset: -3.226 ms

Below is generated by plot.py at 2018-06-29 15:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.56 Mbit/s

95th percentile per-packet one-way delay: 111.475 ms

Loss rate: 0.01%

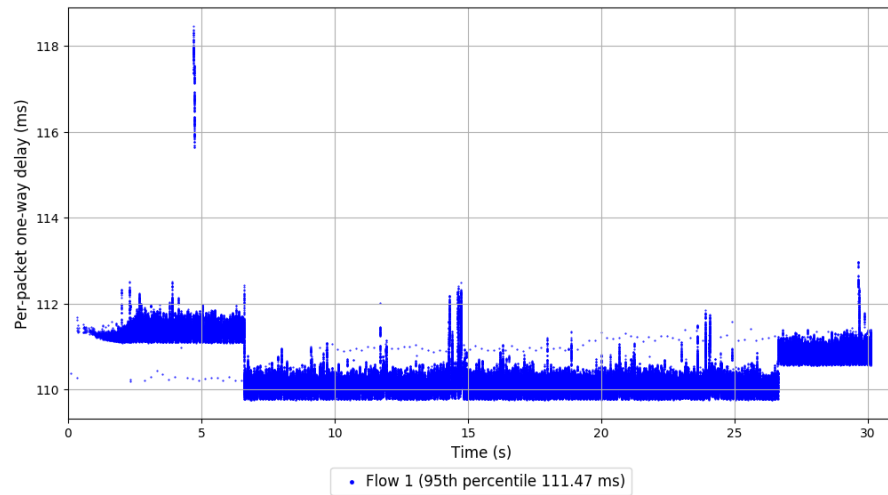
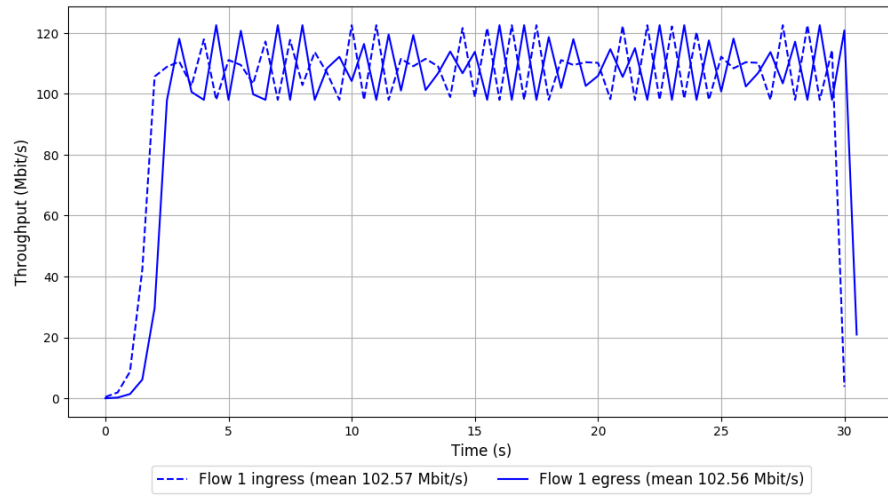
-- Flow 1:

Average throughput: 102.56 Mbit/s

95th percentile per-packet one-way delay: 111.475 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-29 14:47:46

End at: 2018-06-29 14:48:16

Local clock offset: 0.748 ms

Remote clock offset: -0.779 ms

Below is generated by plot.py at 2018-06-29 15:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 112.094 ms

Loss rate: 0.00%

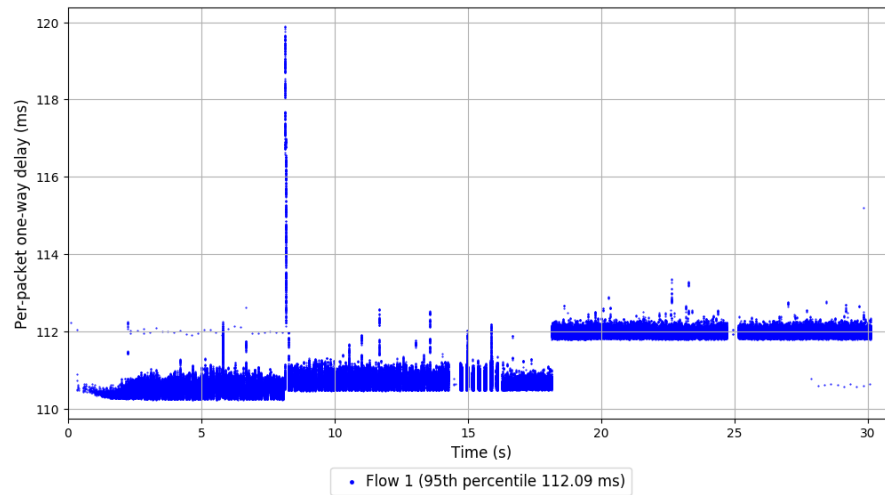
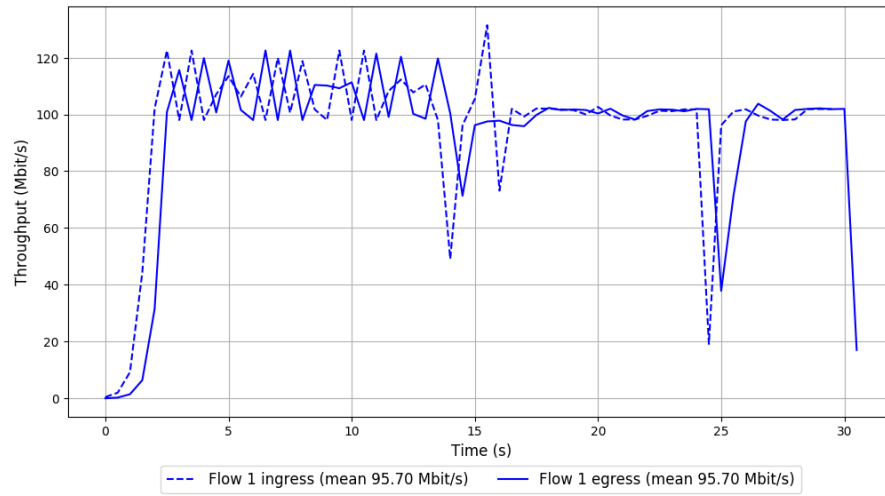
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 112.094 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

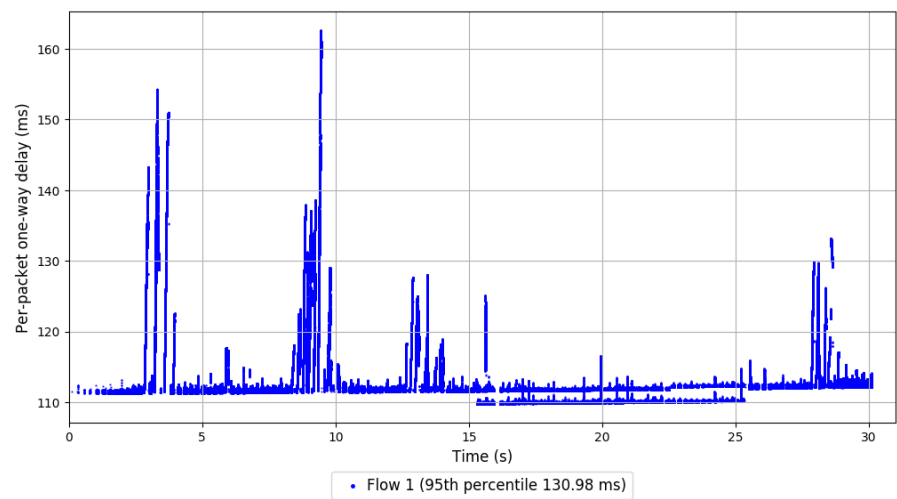
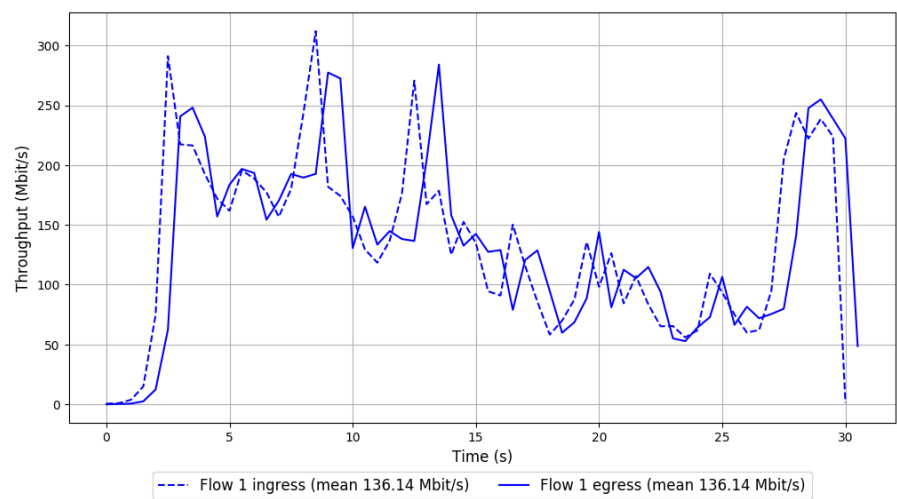


Run 1: Statistics of Copa

Start at: 2018-06-29 11:39:32
End at: 2018-06-29 11:40:02
Local clock offset: 7.637 ms
Remote clock offset: -29.241 ms

Below is generated by plot.py at 2018-06-29 15:22:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.14 Mbit/s
95th percentile per-packet one-way delay: 130.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.14 Mbit/s
95th percentile per-packet one-way delay: 130.979 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

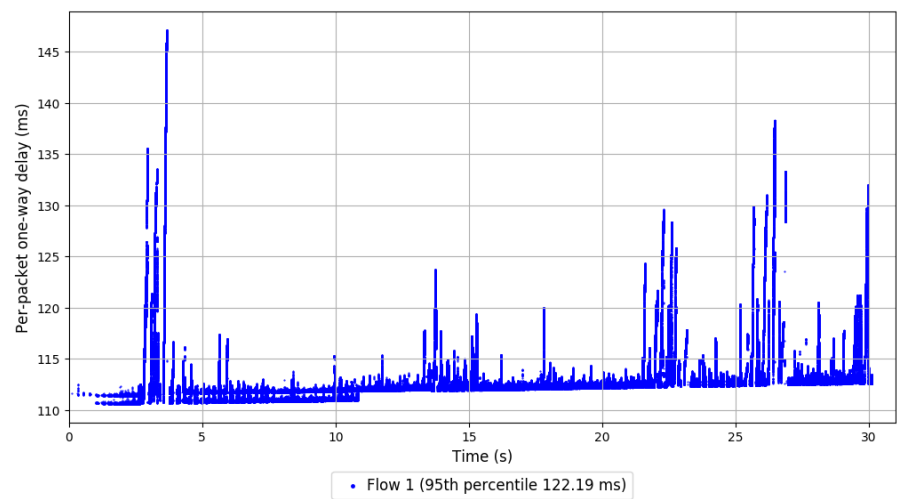
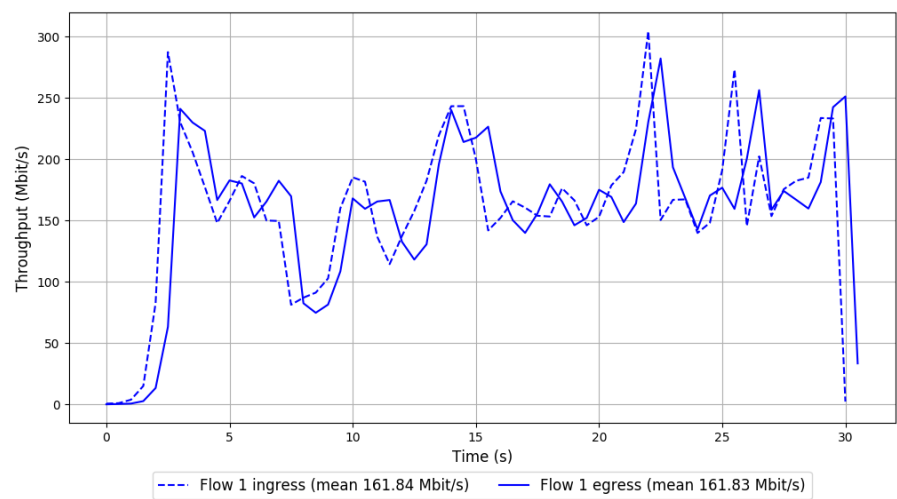


Run 2: Statistics of Copa

Start at: 2018-06-29 12:01:23
End at: 2018-06-29 12:01:53
Local clock offset: 22.333 ms
Remote clock offset: -23.229 ms

Below is generated by plot.py at 2018-06-29 15:23:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.83 Mbit/s
95th percentile per-packet one-way delay: 122.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.83 Mbit/s
95th percentile per-packet one-way delay: 122.194 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

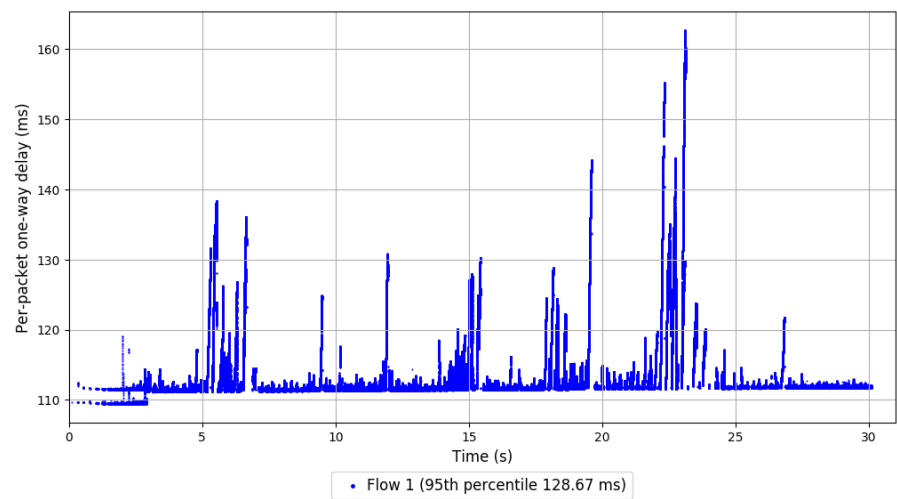
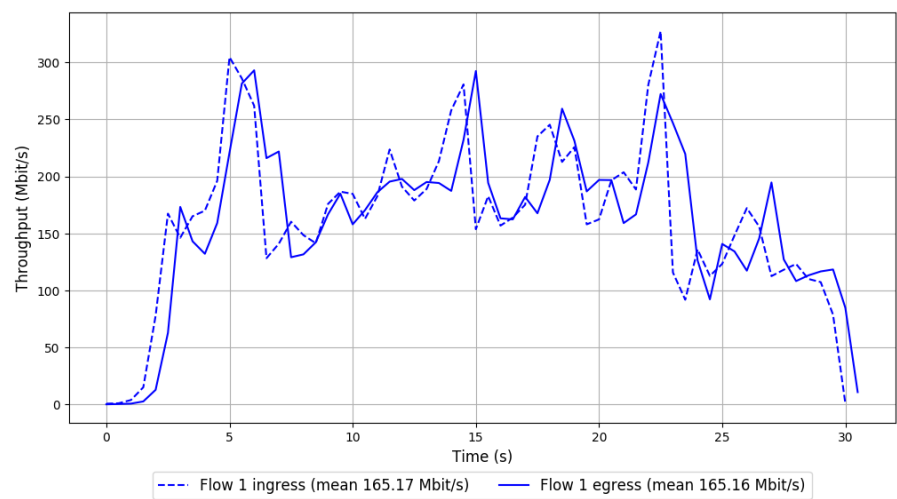


Run 3: Statistics of Copa

Start at: 2018-06-29 12:22:51
End at: 2018-06-29 12:23:21
Local clock offset: 23.318 ms
Remote clock offset: -32.408 ms

Below is generated by plot.py at 2018-06-29 15:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 128.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 128.667 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

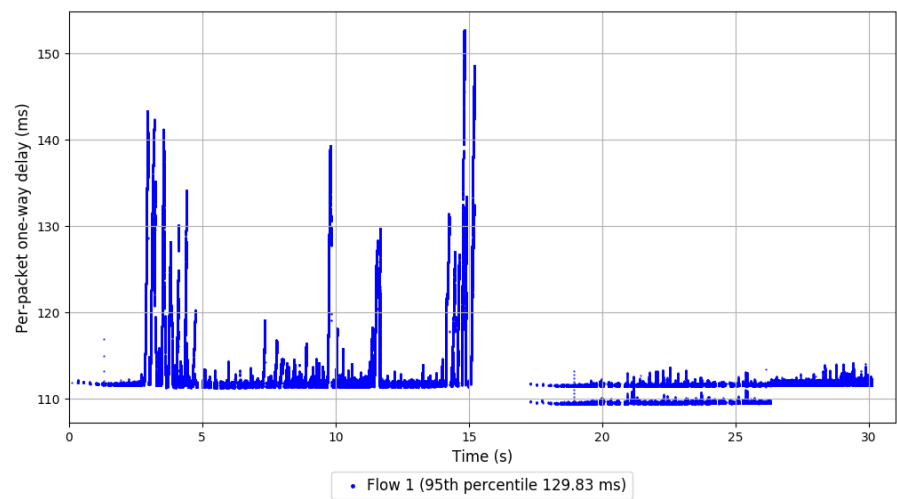
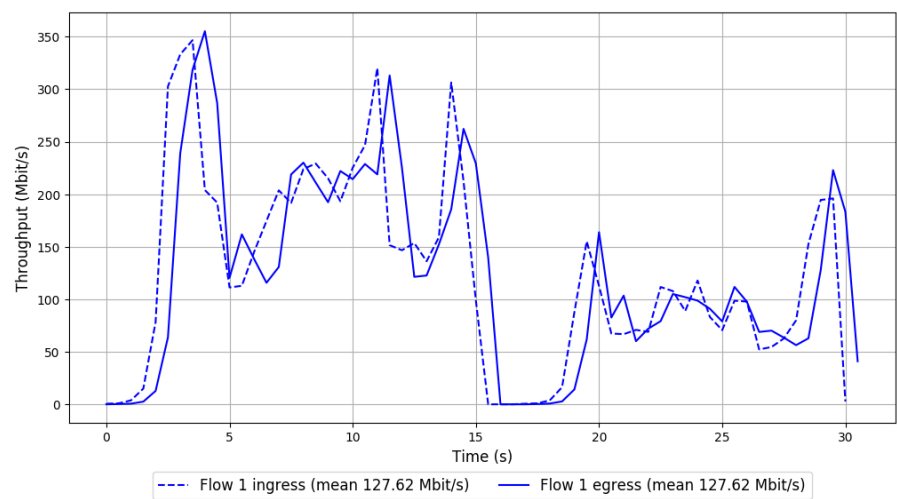


Run 4: Statistics of Copa

Start at: 2018-06-29 12:44:51
End at: 2018-06-29 12:45:21
Local clock offset: 18.552 ms
Remote clock offset: -62.837 ms

Below is generated by plot.py at 2018-06-29 15:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.62 Mbit/s
95th percentile per-packet one-way delay: 129.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.62 Mbit/s
95th percentile per-packet one-way delay: 129.831 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

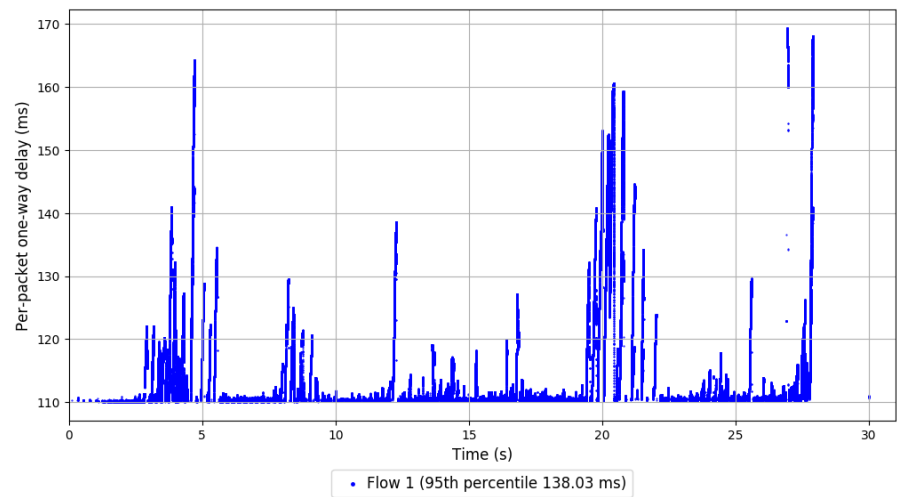
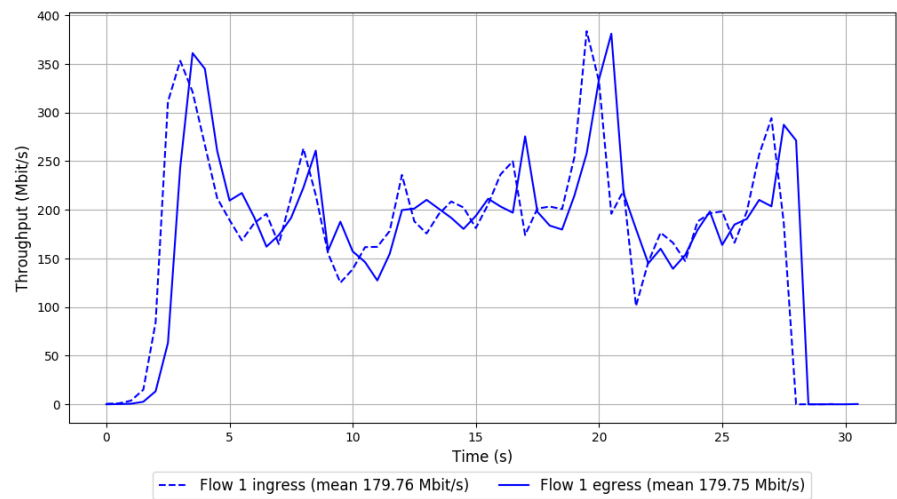


Run 5: Statistics of Copa

Start at: 2018-06-29 13:06:38
End at: 2018-06-29 13:07:08
Local clock offset: 16.61 ms
Remote clock offset: -24.677 ms

Below is generated by plot.py at 2018-06-29 15:24:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.75 Mbit/s
95th percentile per-packet one-way delay: 138.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.75 Mbit/s
95th percentile per-packet one-way delay: 138.028 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

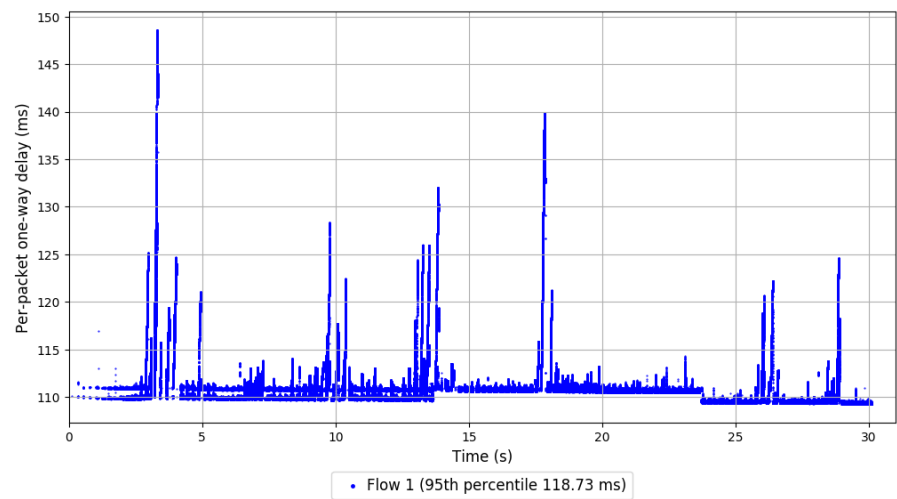
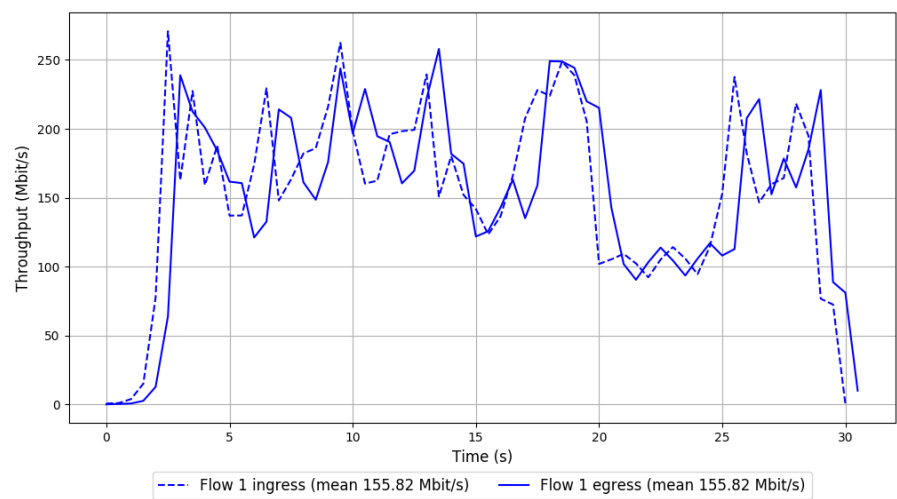


Run 6: Statistics of Copa

Start at: 2018-06-29 13:28:50
End at: 2018-06-29 13:29:20
Local clock offset: 6.711 ms
Remote clock offset: -12.613 ms

Below is generated by plot.py at 2018-06-29 15:24:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.82 Mbit/s
95th percentile per-packet one-way delay: 118.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.82 Mbit/s
95th percentile per-packet one-way delay: 118.729 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

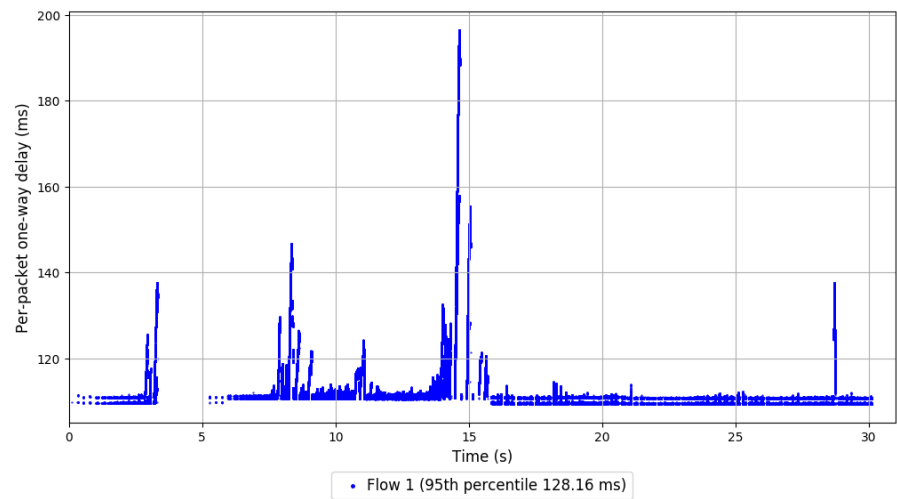
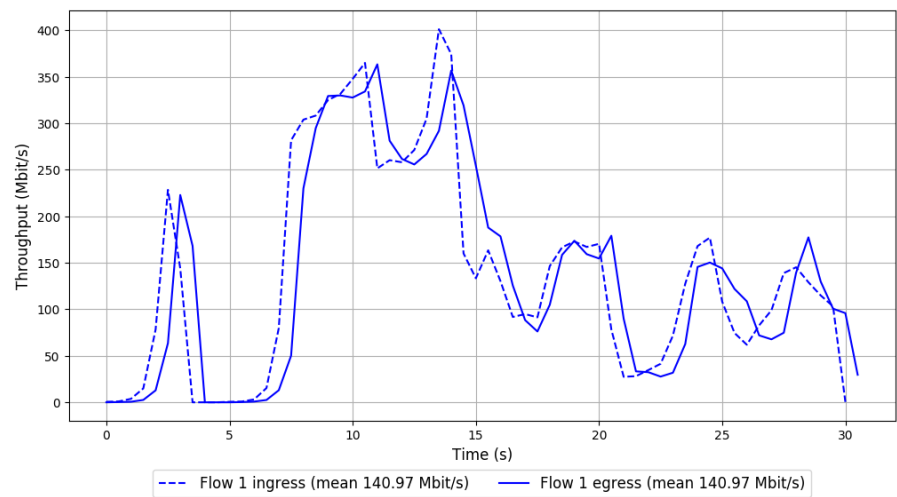


Run 7: Statistics of Copa

Start at: 2018-06-29 13:50:48
End at: 2018-06-29 13:51:18
Local clock offset: 5.069 ms
Remote clock offset: -7.093 ms

Below is generated by plot.py at 2018-06-29 15:24:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.97 Mbit/s
95th percentile per-packet one-way delay: 128.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.97 Mbit/s
95th percentile per-packet one-way delay: 128.156 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

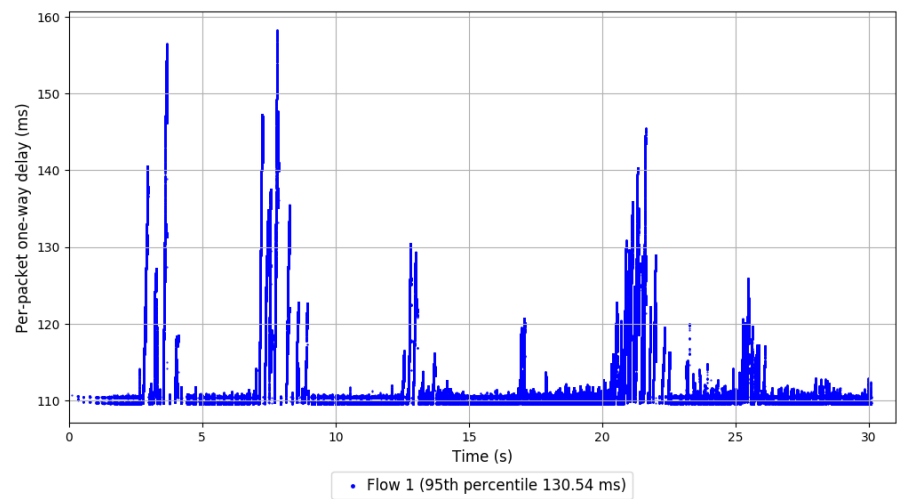
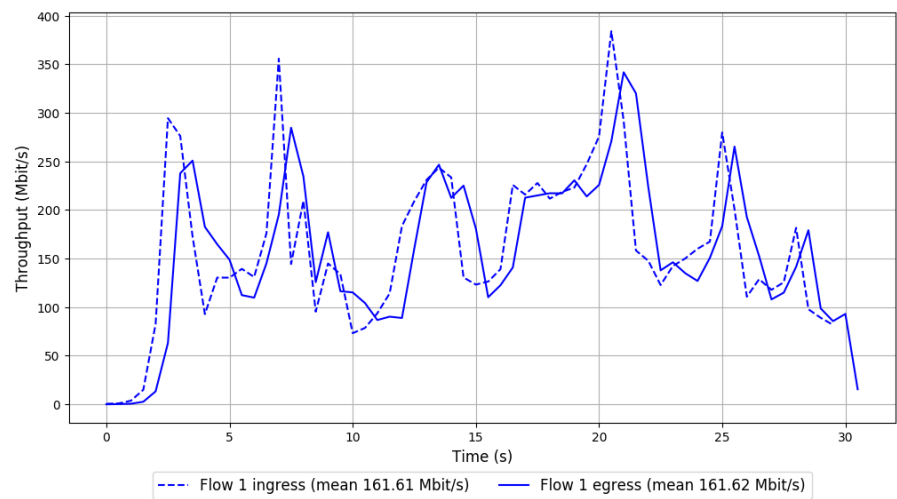


Run 8: Statistics of Copa

Start at: 2018-06-29 14:12:51
End at: 2018-06-29 14:13:21
Local clock offset: 2.043 ms
Remote clock offset: -2.938 ms

Below is generated by plot.py at 2018-06-29 15:25:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.62 Mbit/s
95th percentile per-packet one-way delay: 130.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.62 Mbit/s
95th percentile per-packet one-way delay: 130.545 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

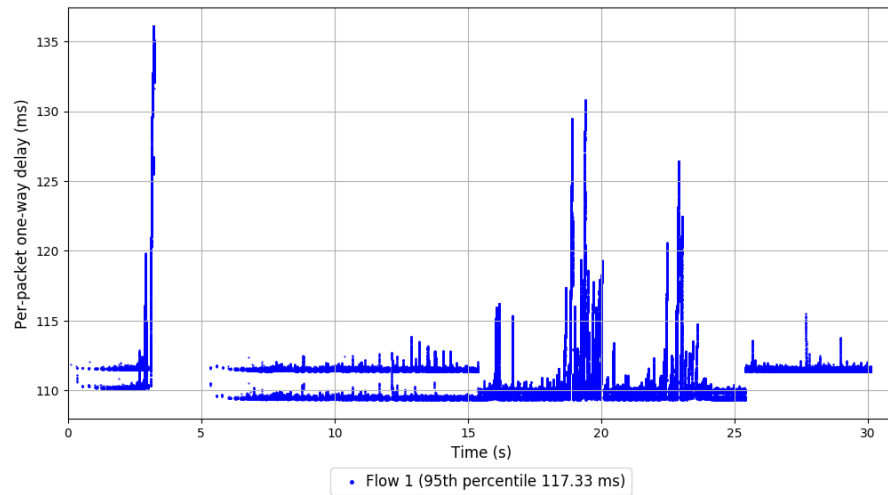
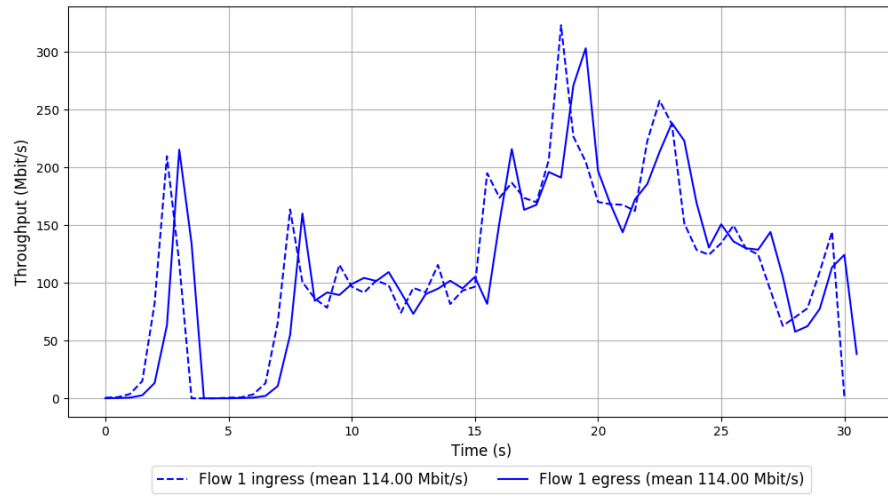


Run 9: Statistics of Copa

Start at: 2018-06-29 14:34:59
End at: 2018-06-29 14:35:29
Local clock offset: 0.641 ms
Remote clock offset: -1.767 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 117.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 117.332 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

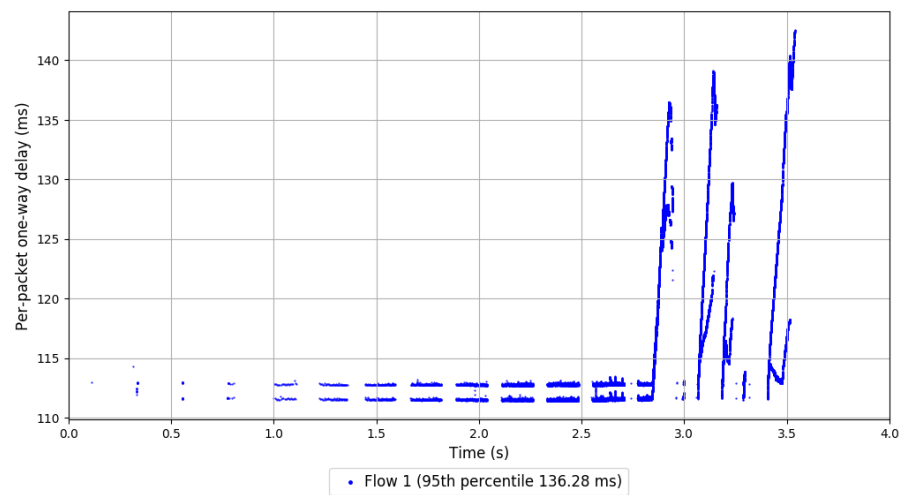
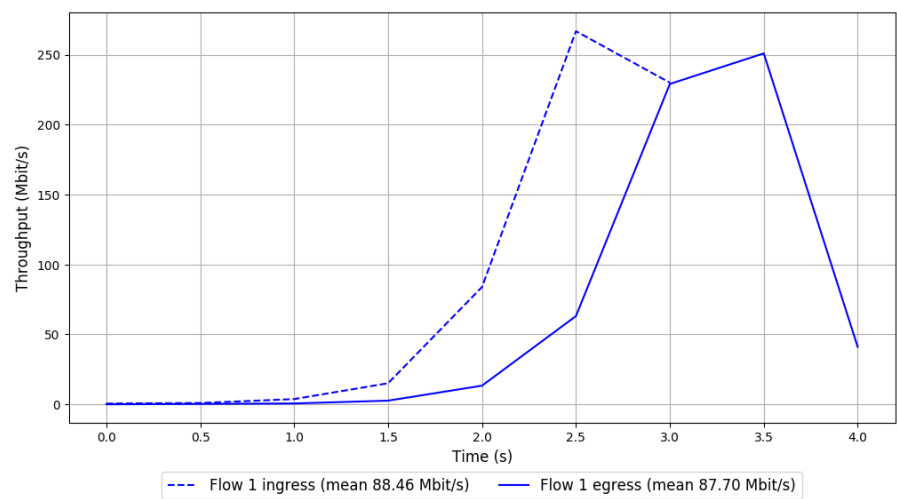
Start at: 2018-06-29 14:56:29

End at: 2018-06-29 14:56:59

Local clock offset: -0.708 ms

Remote clock offset: -1.312 ms

Run 10: Report of Copa — Data Link

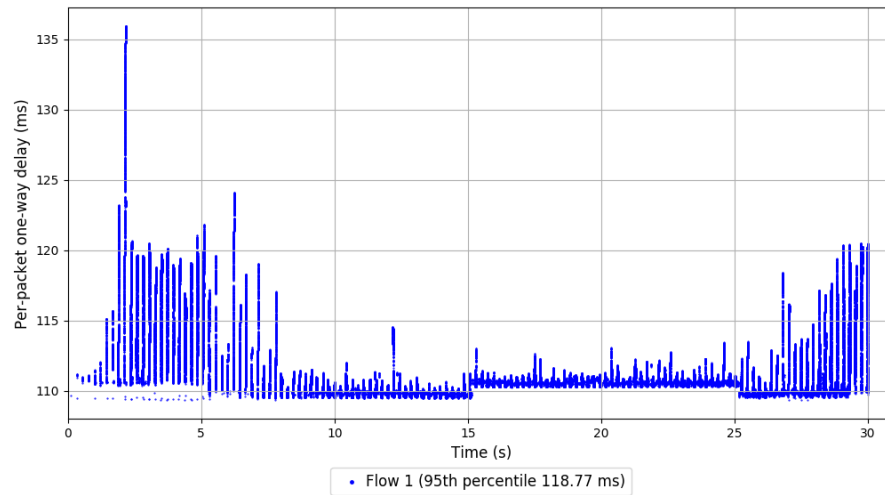
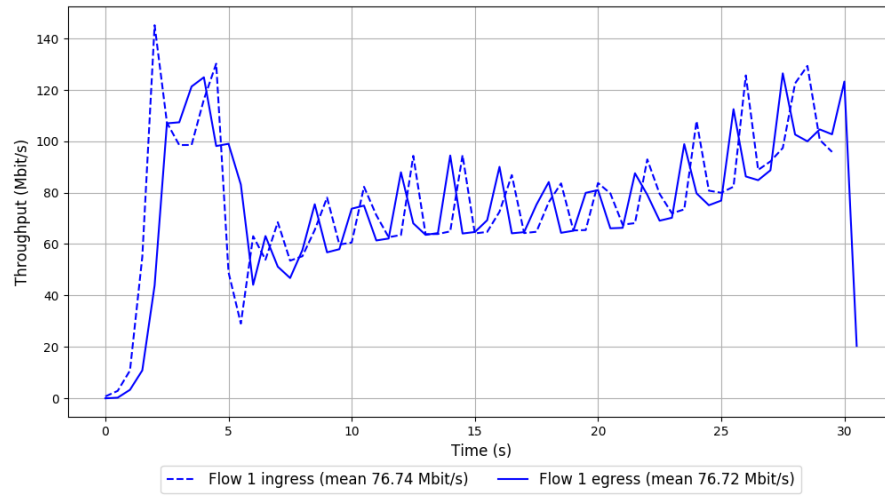


Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 11:49:49
End at: 2018-06-29 11:50:19
Local clock offset: 11.867 ms
Remote clock offset: -22.832 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 118.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 118.765 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

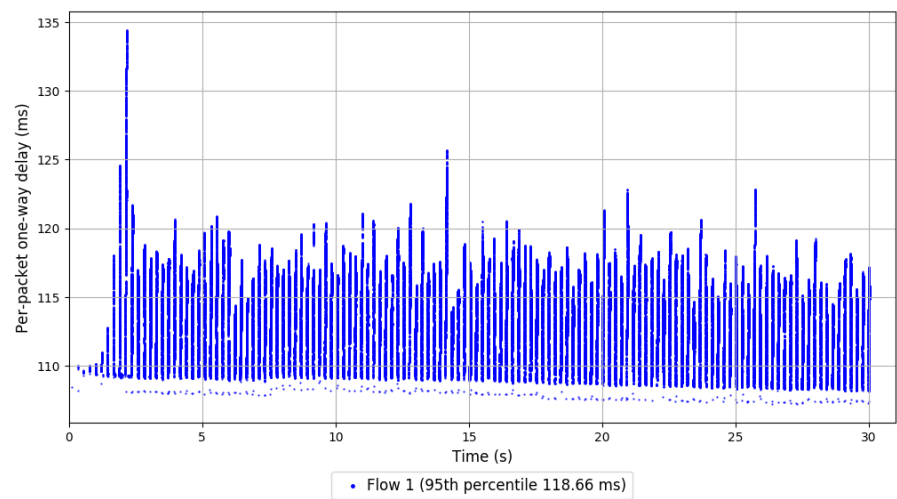
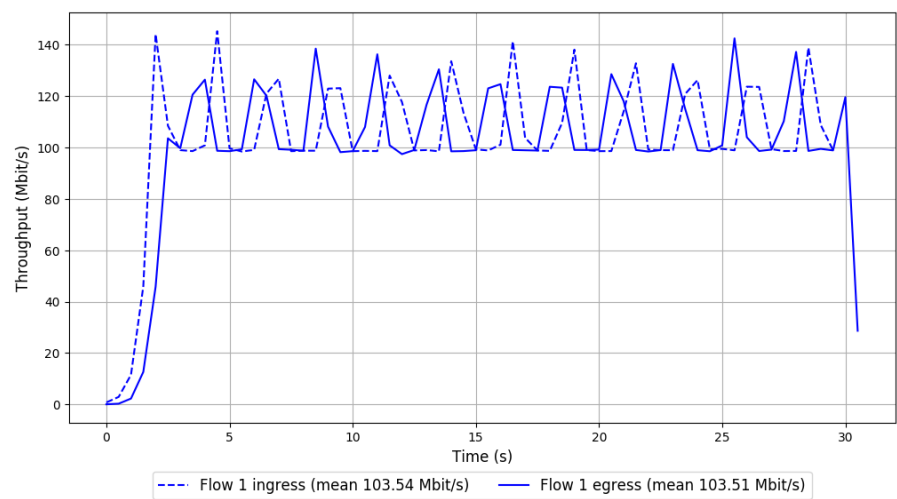


Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 12:11:47
End at: 2018-06-29 12:12:17
Local clock offset: 19.234 ms
Remote clock offset: -41.959 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 118.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.51 Mbit/s
95th percentile per-packet one-way delay: 118.657 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

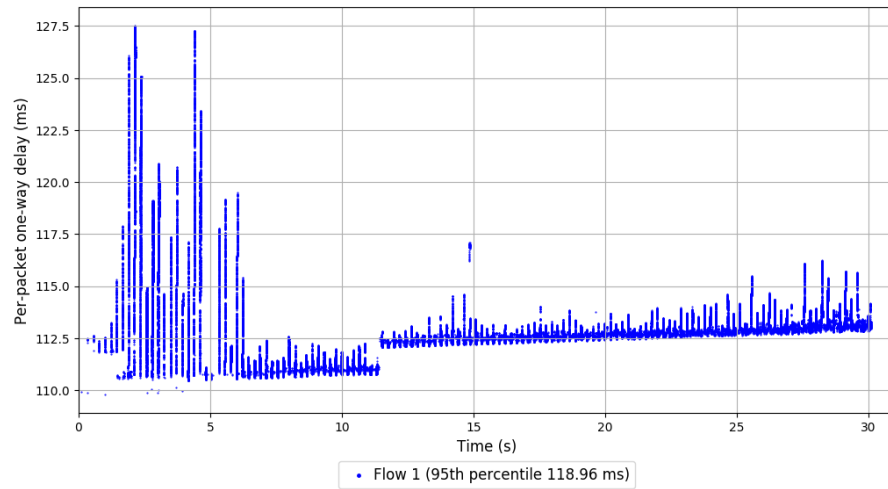
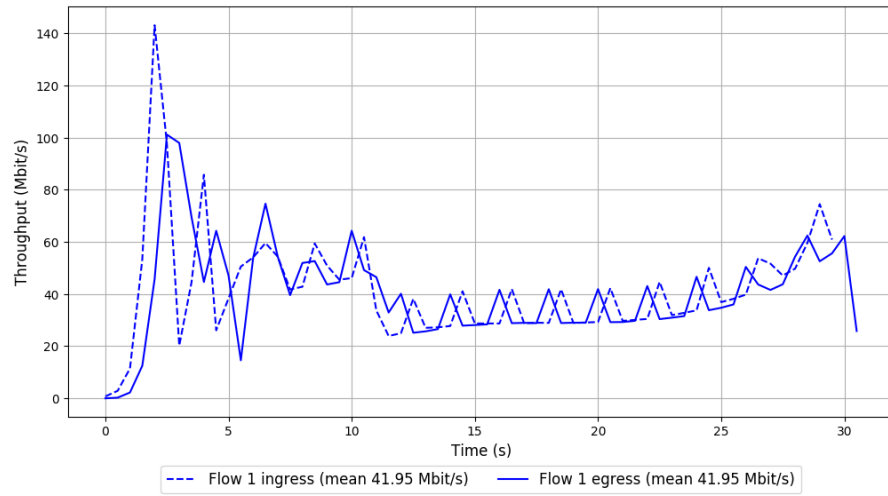


Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 12:33:23
End at: 2018-06-29 12:33:53
Local clock offset: 32.548 ms
Remote clock offset: -44.141 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 118.956 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 118.956 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

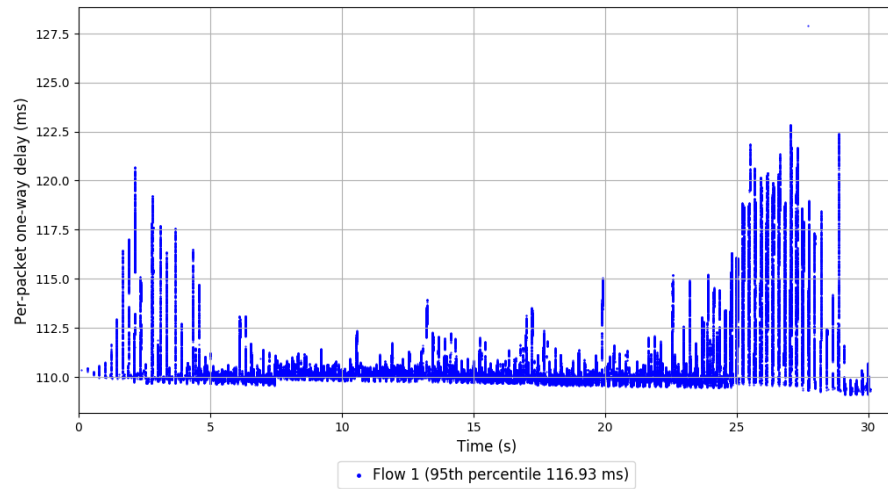
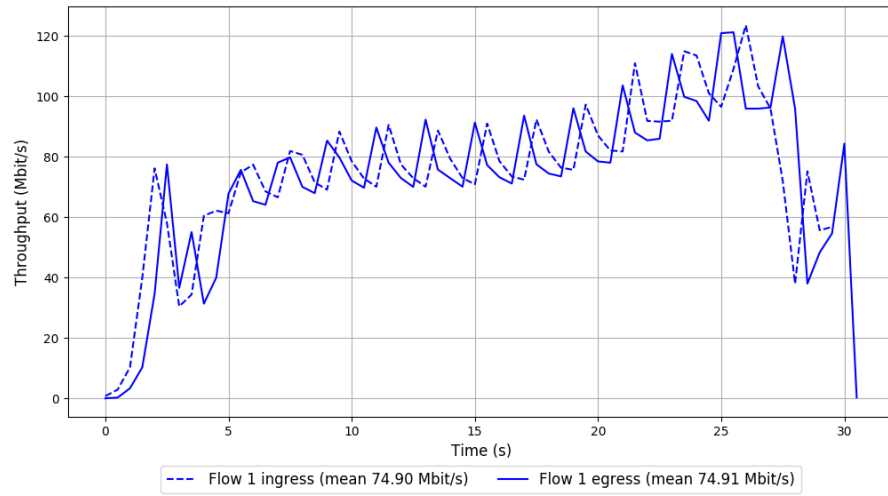


Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 12:55:17
End at: 2018-06-29 12:55:47
Local clock offset: 14.952 ms
Remote clock offset: -29.246 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 116.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 116.932 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

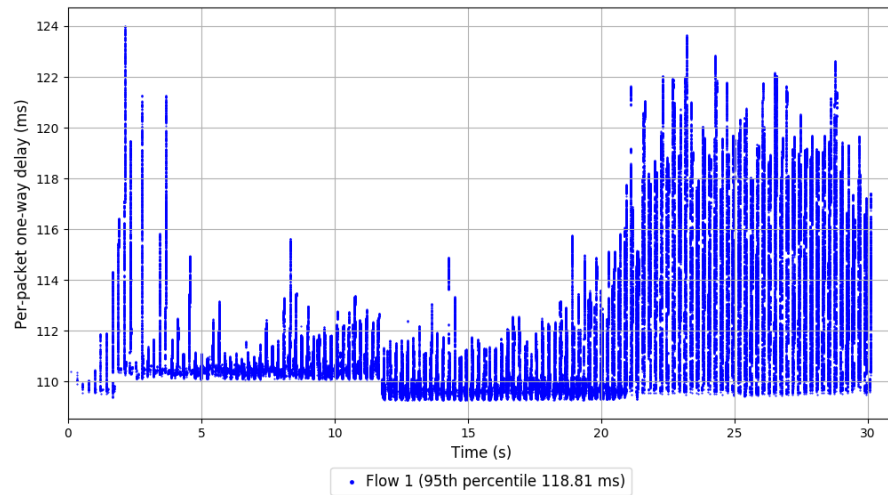
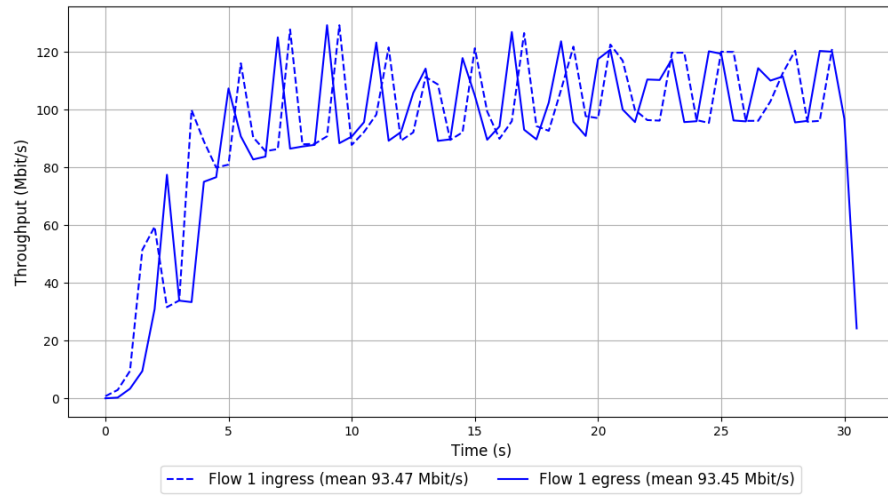


Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 13:17:12
End at: 2018-06-29 13:17:42
Local clock offset: 10.746 ms
Remote clock offset: -30.946 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 118.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 118.815 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

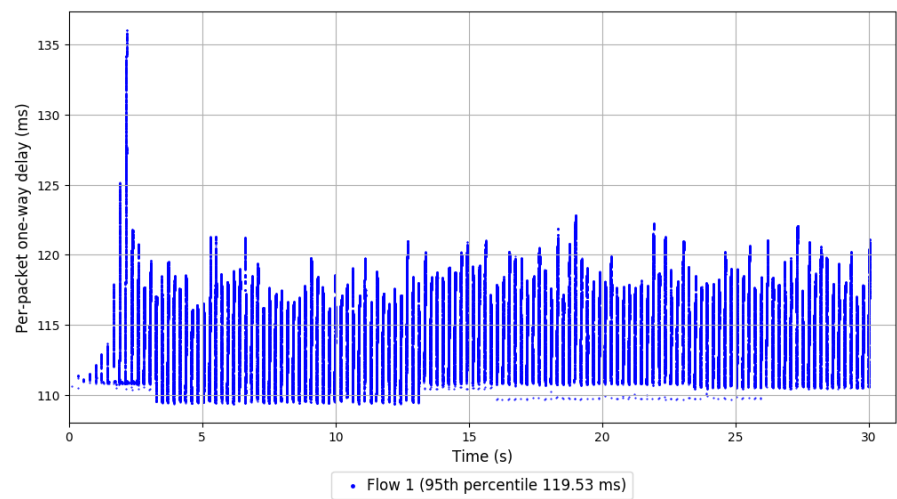
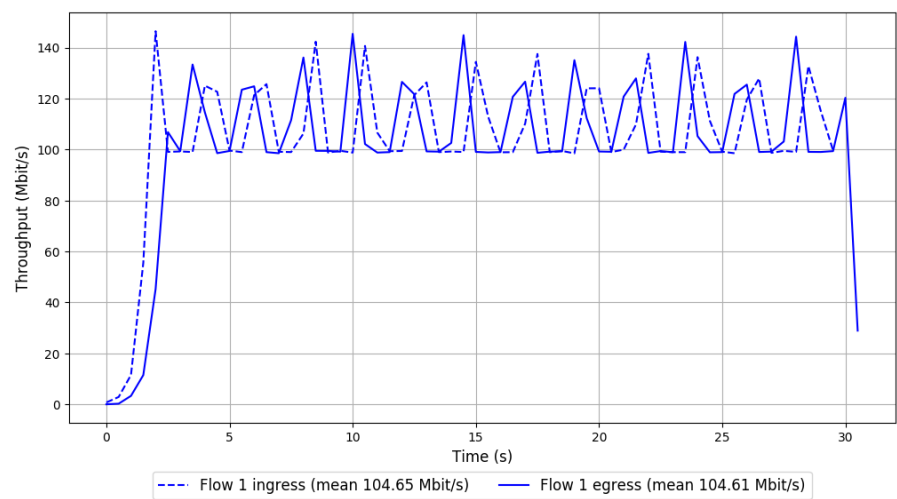


Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 13:39:11
End at: 2018-06-29 13:39:41
Local clock offset: 7.603 ms
Remote clock offset: -7.648 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.61 Mbit/s
95th percentile per-packet one-way delay: 119.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.61 Mbit/s
95th percentile per-packet one-way delay: 119.526 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

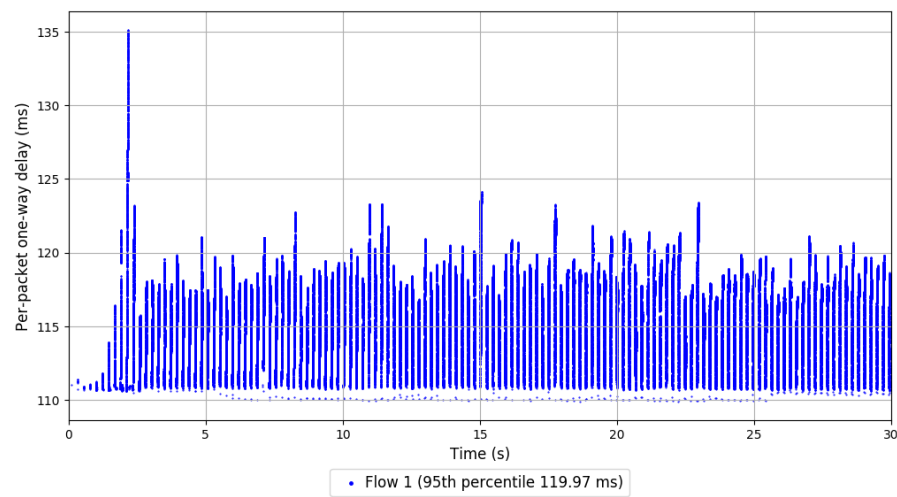
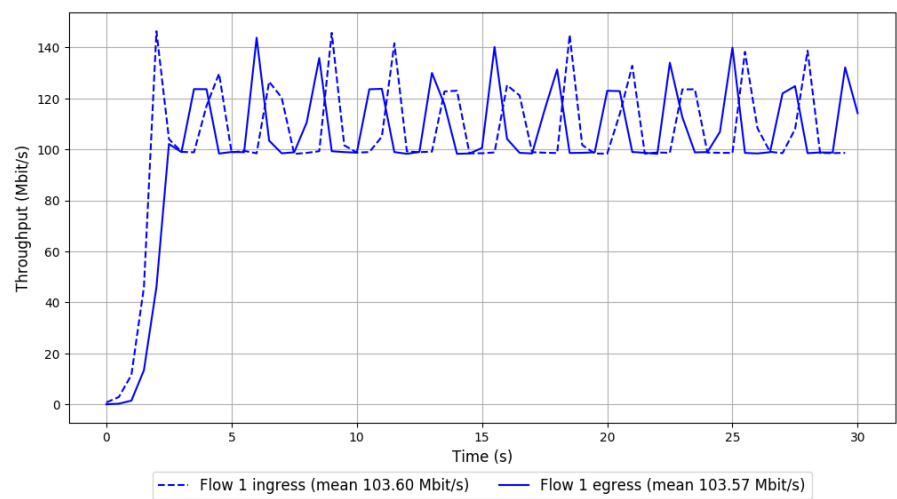


Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 14:01:11
End at: 2018-06-29 14:01:41
Local clock offset: 2.149 ms
Remote clock offset: -4.227 ms

Below is generated by plot.py at 2018-06-29 15:25:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.57 Mbit/s
95th percentile per-packet one-way delay: 119.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.57 Mbit/s
95th percentile per-packet one-way delay: 119.966 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

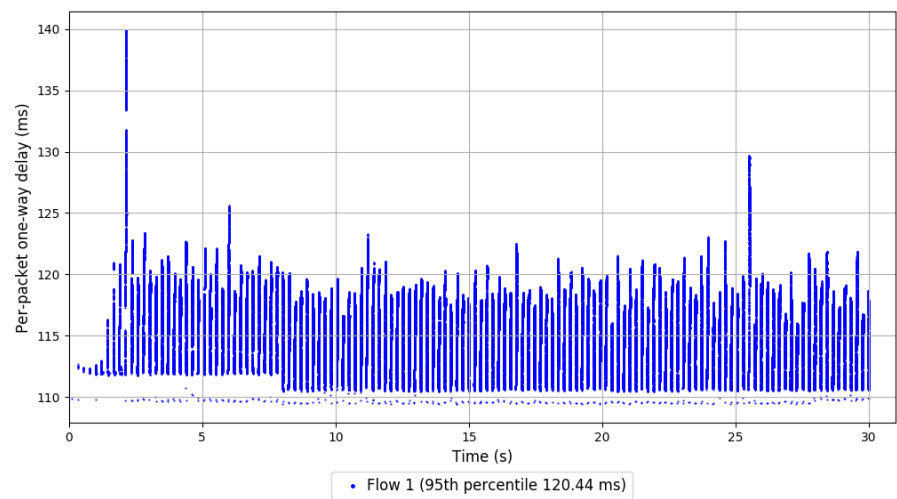
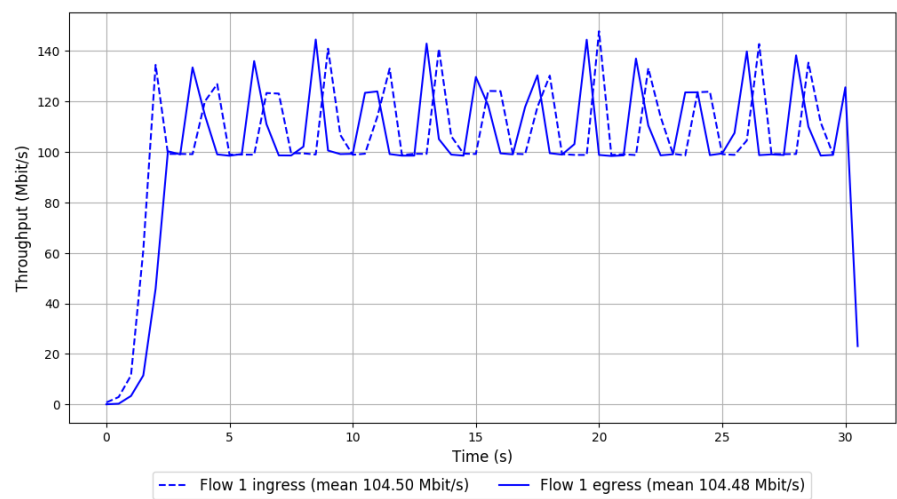


Run 8: Statistics of TCP Cubic

Start at: 2018-06-29 14:23:16
End at: 2018-06-29 14:23:46
Local clock offset: 1.414 ms
Remote clock offset: -2.613 ms

Below is generated by plot.py at 2018-06-29 15:26:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.48 Mbit/s
95th percentile per-packet one-way delay: 120.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.48 Mbit/s
95th percentile per-packet one-way delay: 120.438 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

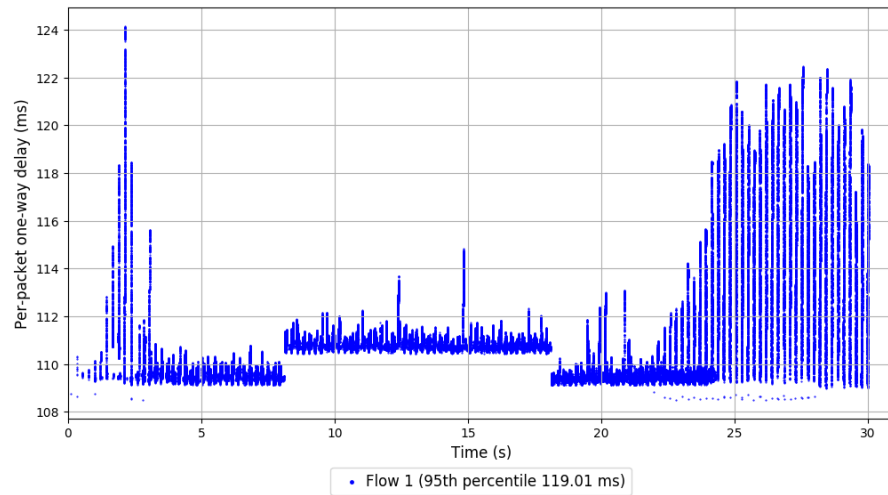
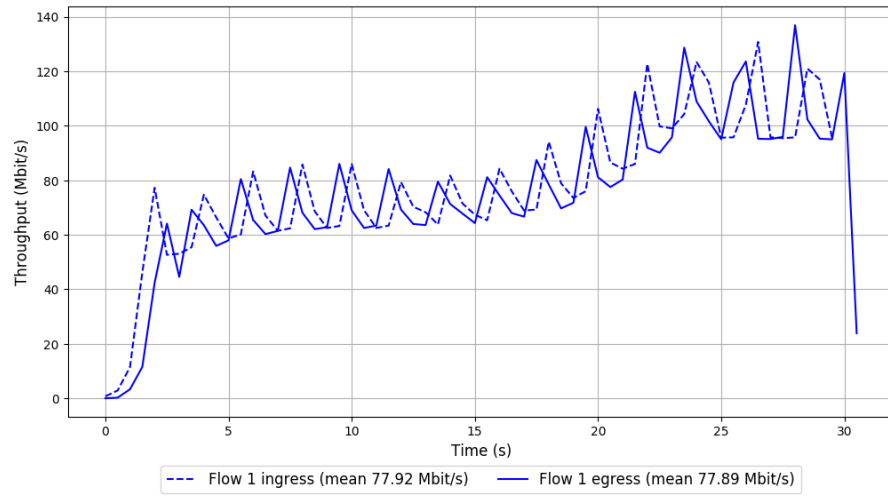


Run 9: Statistics of TCP Cubic

Start at: 2018-06-29 14:45:16
End at: 2018-06-29 14:45:46
Local clock offset: 2.017 ms
Remote clock offset: -0.809 ms

Below is generated by plot.py at 2018-06-29 15:26:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 119.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 119.013 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-29 15:06:51

End at: 2018-06-29 15:07:21

Local clock offset: 0.337 ms

Remote clock offset: -0.937 ms

Below is generated by plot.py at 2018-06-29 15:26:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.31 Mbit/s

95th percentile per-packet one-way delay: 120.539 ms

Loss rate: 0.10%

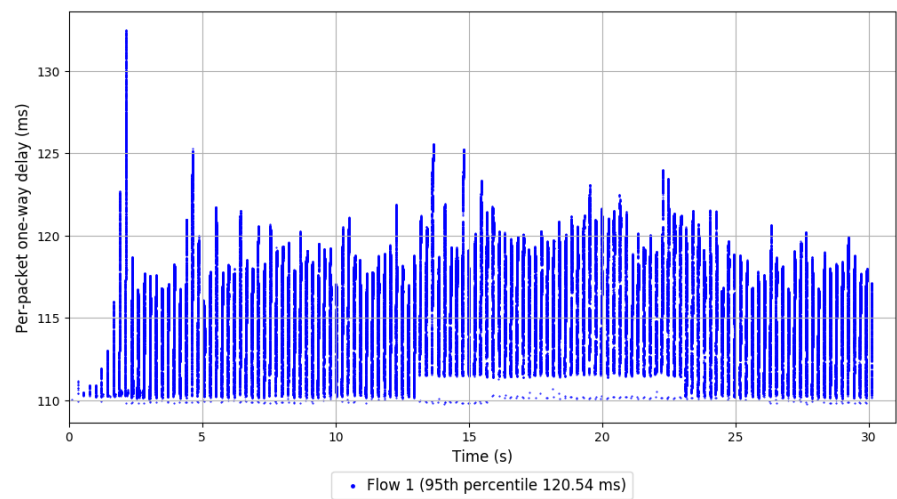
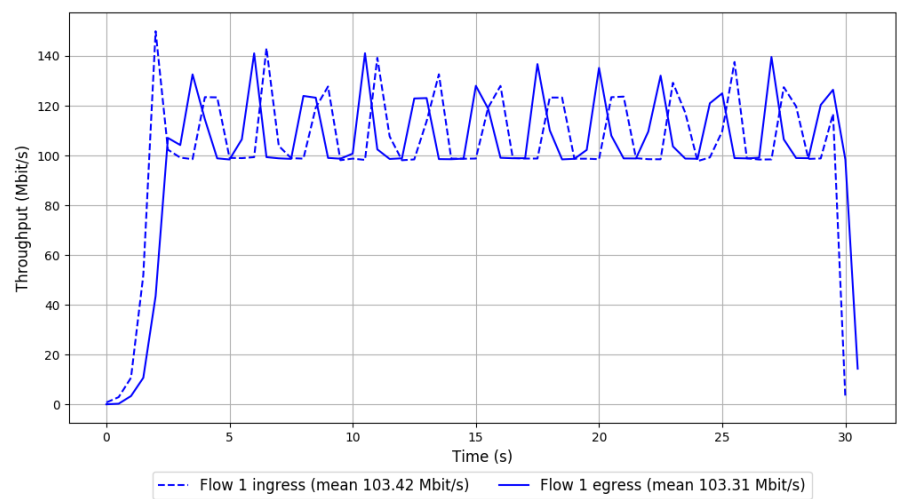
-- Flow 1:

Average throughput: 103.31 Mbit/s

95th percentile per-packet one-way delay: 120.539 ms

Loss rate: 0.10%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-29 11:31:34

End at: 2018-06-29 11:32:04

Local clock offset: 3.313 ms

Remote clock offset: -13.2 ms

Below is generated by plot.py at 2018-06-29 15:40:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 791.99 Mbit/s

95th percentile per-packet one-way delay: 308.406 ms

Loss rate: 0.79%

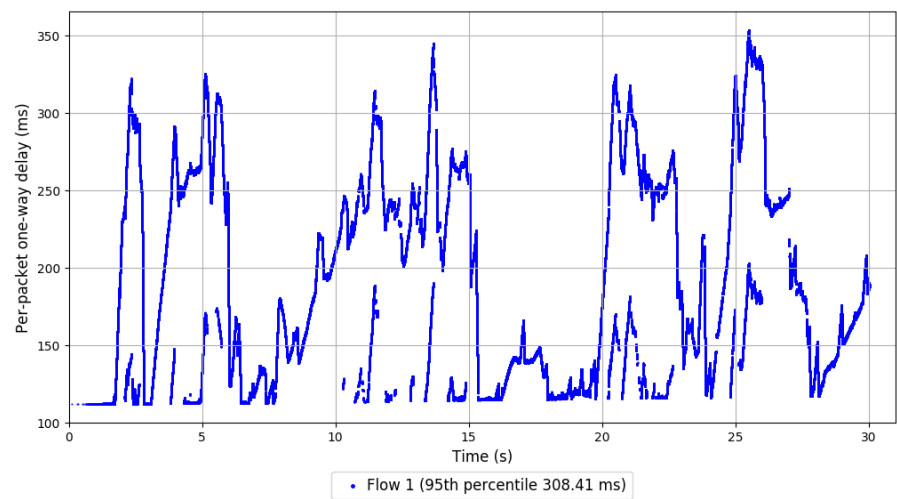
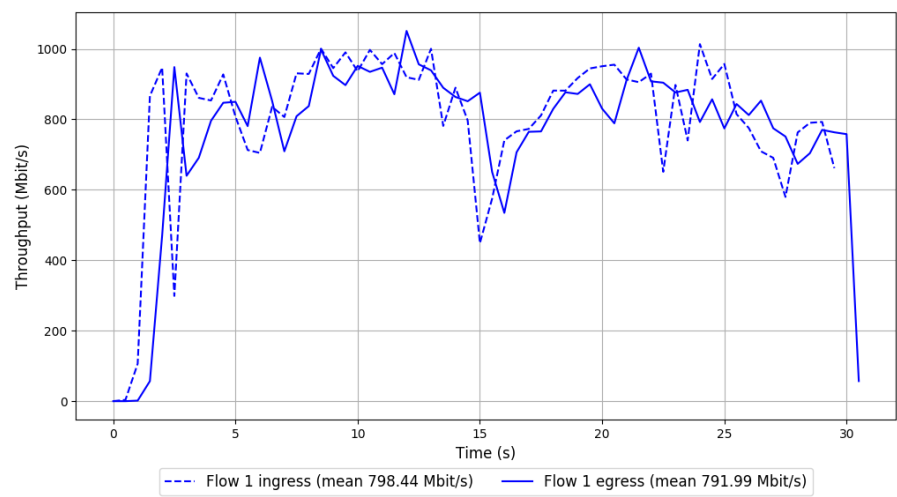
-- Flow 1:

Average throughput: 791.99 Mbit/s

95th percentile per-packet one-way delay: 308.406 ms

Loss rate: 0.79%

Run 1: Report of FillP — Data Link

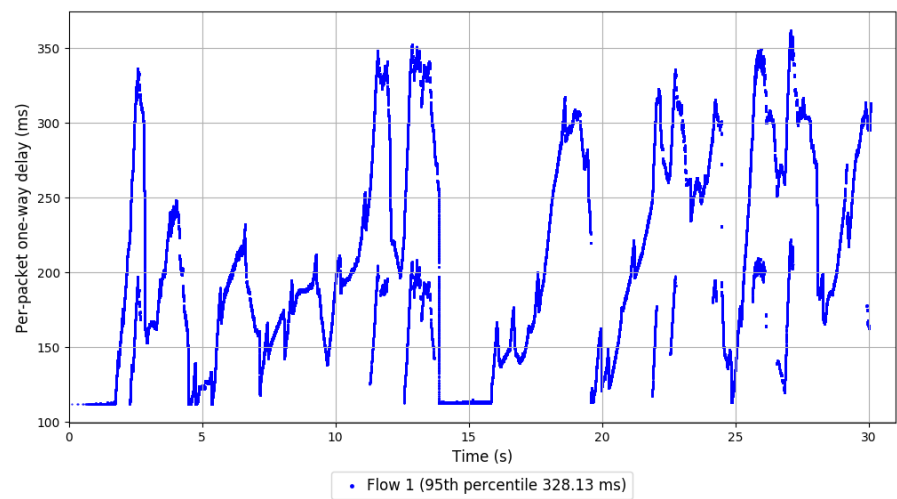
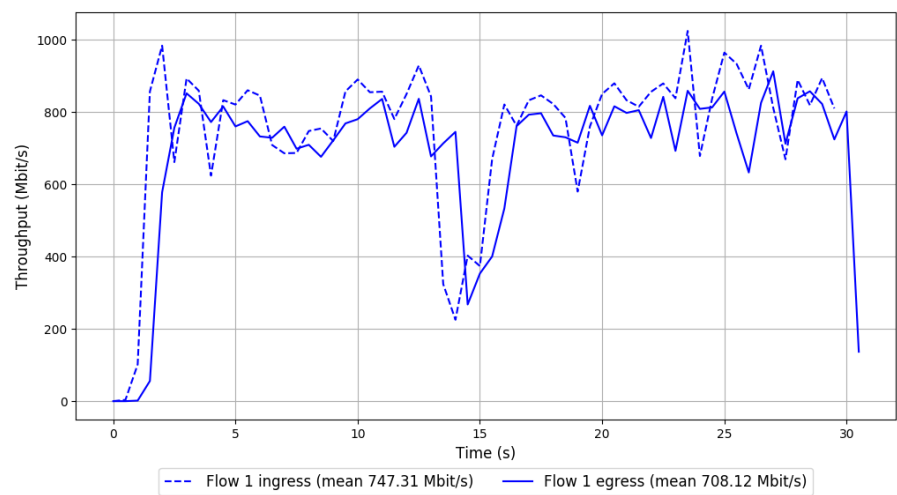


Run 2: Statistics of FillP

Start at: 2018-06-29 11:53:32
End at: 2018-06-29 11:54:02
Local clock offset: 13.303 ms
Remote clock offset: -27.589 ms

Below is generated by plot.py at 2018-06-29 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 708.12 Mbit/s
95th percentile per-packet one-way delay: 328.134 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 708.12 Mbit/s
95th percentile per-packet one-way delay: 328.134 ms
Loss rate: 5.23%

Run 2: Report of FillP — Data Link

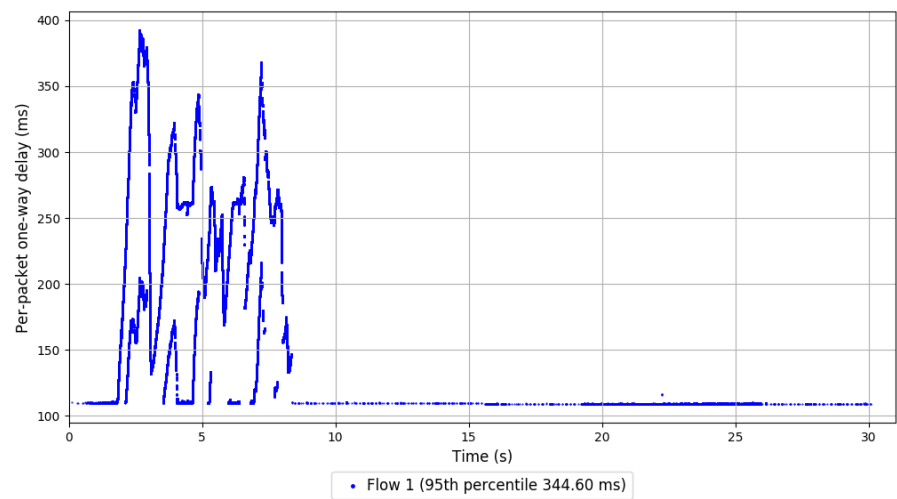
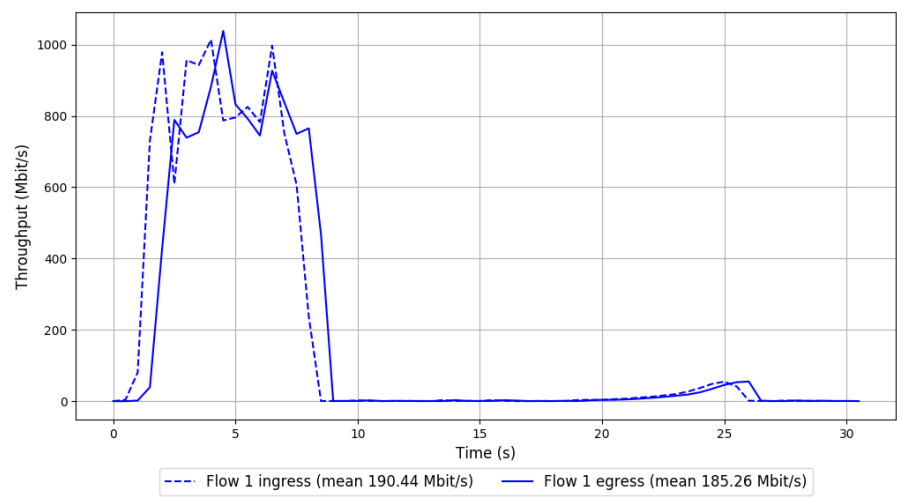


Run 3: Statistics of FillP

Start at: 2018-06-29 12:15:31
End at: 2018-06-29 12:16:01
Local clock offset: 20.022 ms
Remote clock offset: -34.197 ms

Below is generated by plot.py at 2018-06-29 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.26 Mbit/s
95th percentile per-packet one-way delay: 344.602 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 185.26 Mbit/s
95th percentile per-packet one-way delay: 344.602 ms
Loss rate: 2.72%

Run 3: Report of FillP — Data Link

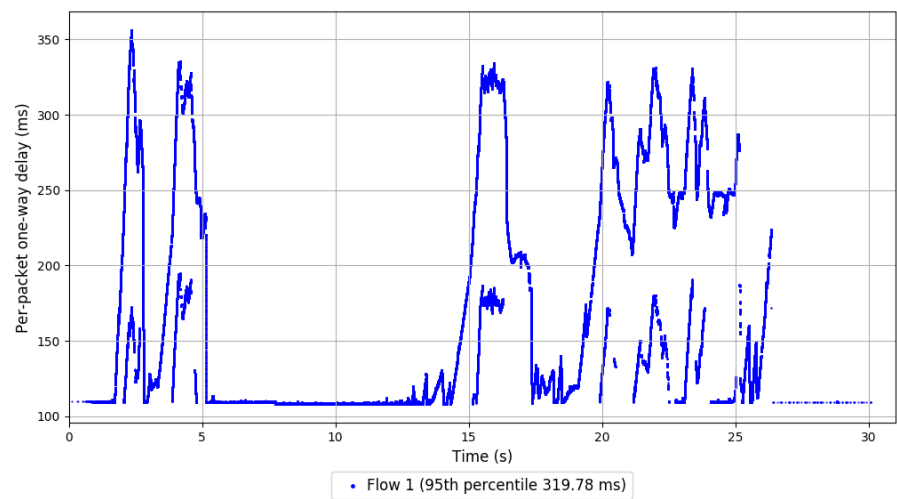
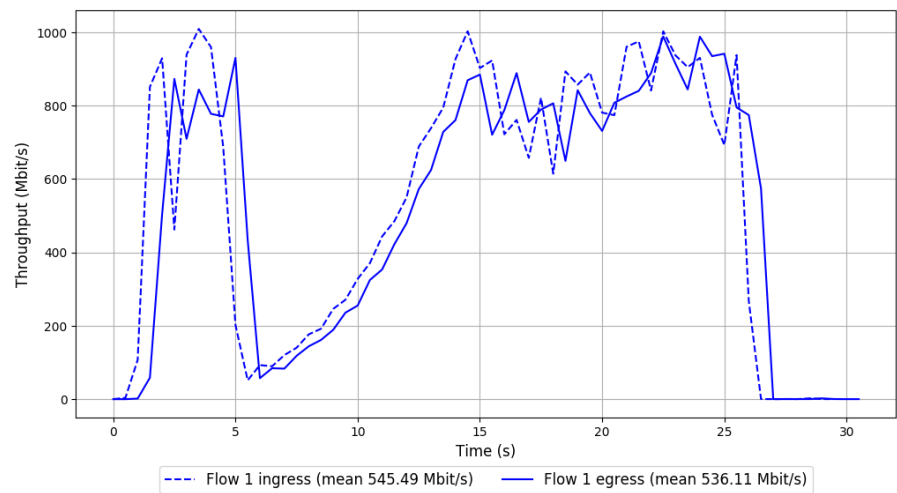


Run 4: Statistics of FillP

Start at: 2018-06-29 12:37:09
End at: 2018-06-29 12:37:39
Local clock offset: 36.467 ms
Remote clock offset: -50.325 ms

Below is generated by plot.py at 2018-06-29 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 536.11 Mbit/s
95th percentile per-packet one-way delay: 319.776 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 536.11 Mbit/s
95th percentile per-packet one-way delay: 319.776 ms
Loss rate: 1.72%

Run 4: Report of FillP — Data Link

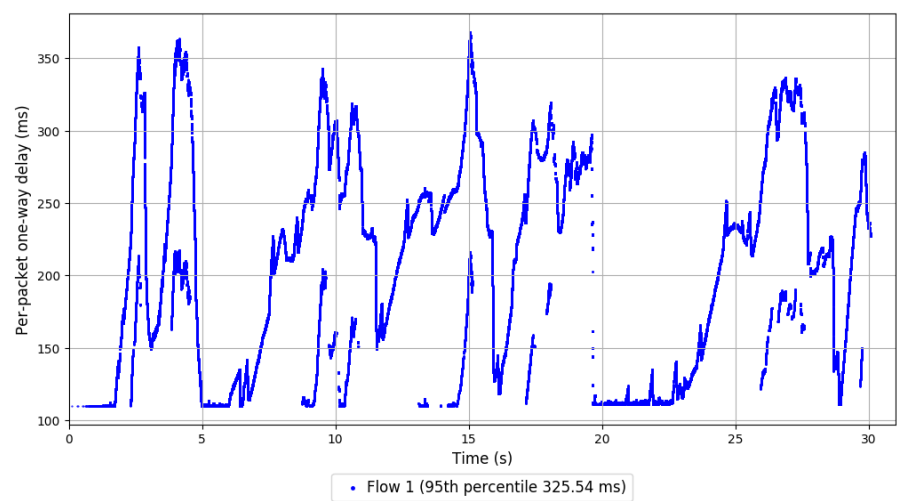
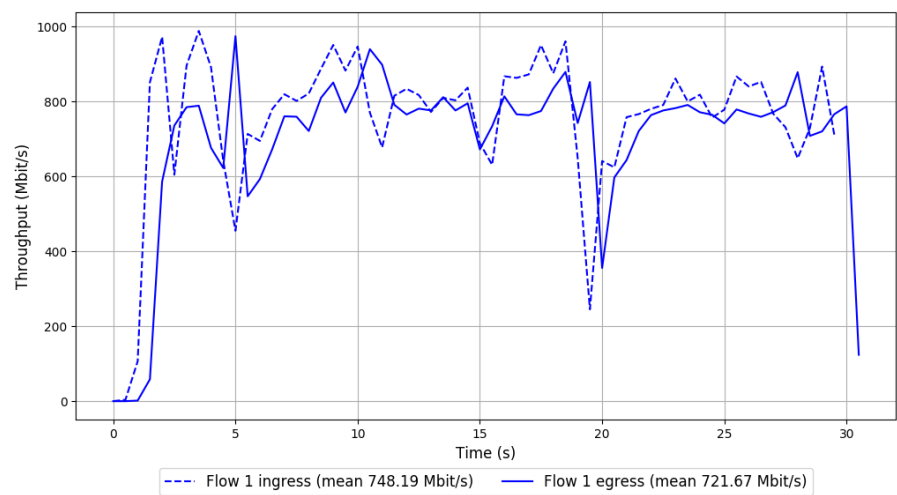


Run 5: Statistics of FillP

Start at: 2018-06-29 12:59:05
End at: 2018-06-29 12:59:35
Local clock offset: 14.067 ms
Remote clock offset: -25.455 ms

Below is generated by plot.py at 2018-06-29 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.67 Mbit/s
95th percentile per-packet one-way delay: 325.540 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 721.67 Mbit/s
95th percentile per-packet one-way delay: 325.540 ms
Loss rate: 3.54%

Run 5: Report of FillP — Data Link

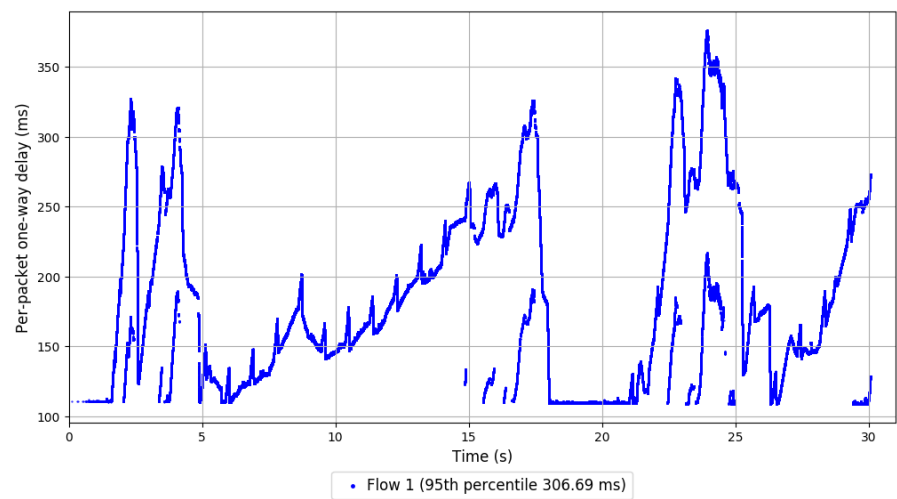
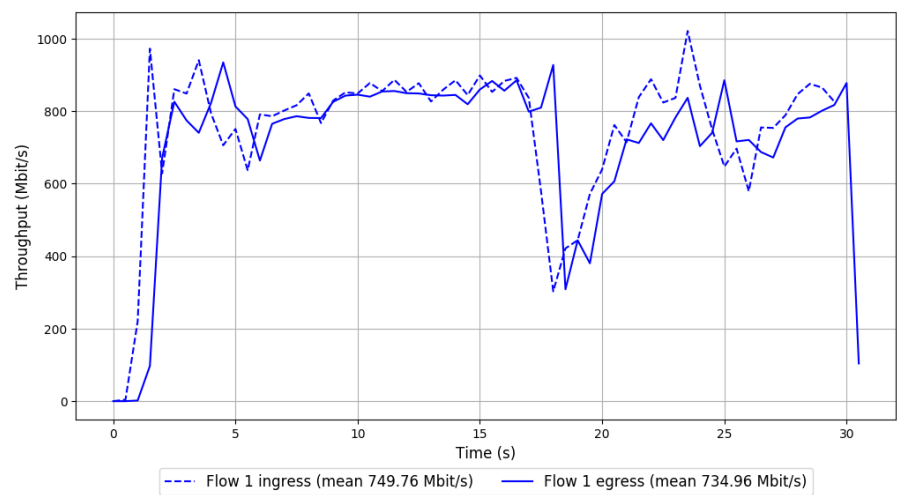


Run 6: Statistics of FillP

Start at: 2018-06-29 13:21:01
End at: 2018-06-29 13:21:31
Local clock offset: 6.876 ms
Remote clock offset: -28.286 ms

Below is generated by plot.py at 2018-06-29 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 734.96 Mbit/s
95th percentile per-packet one-way delay: 306.685 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 734.96 Mbit/s
95th percentile per-packet one-way delay: 306.685 ms
Loss rate: 1.98%

Run 6: Report of FillP — Data Link

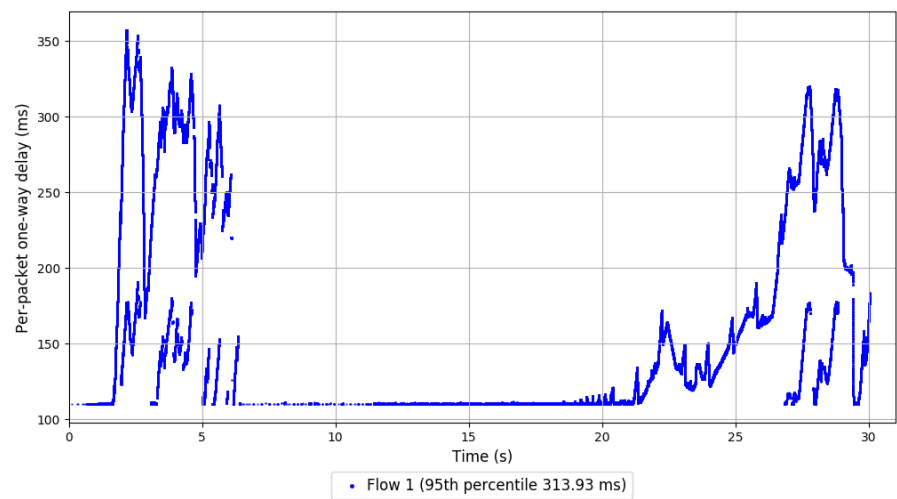
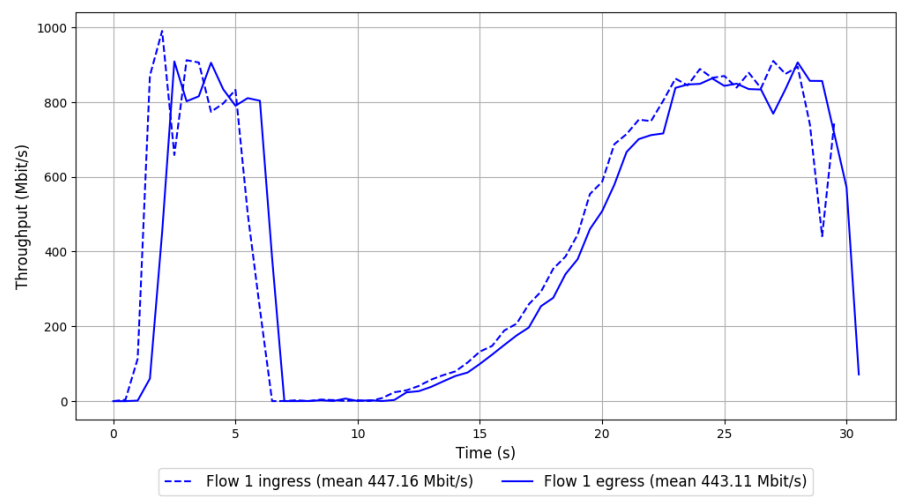


Run 7: Statistics of FillP

Start at: 2018-06-29 13:43:00
End at: 2018-06-29 13:43:30
Local clock offset: 8.024 ms
Remote clock offset: -6.748 ms

Below is generated by plot.py at 2018-06-29 15:40:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.11 Mbit/s
95th percentile per-packet one-way delay: 313.927 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 443.11 Mbit/s
95th percentile per-packet one-way delay: 313.927 ms
Loss rate: 0.90%

Run 7: Report of FillP — Data Link

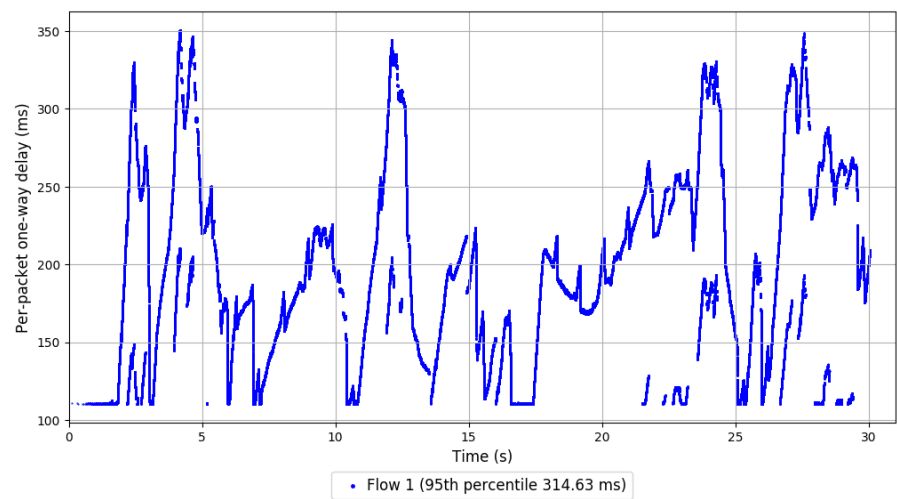
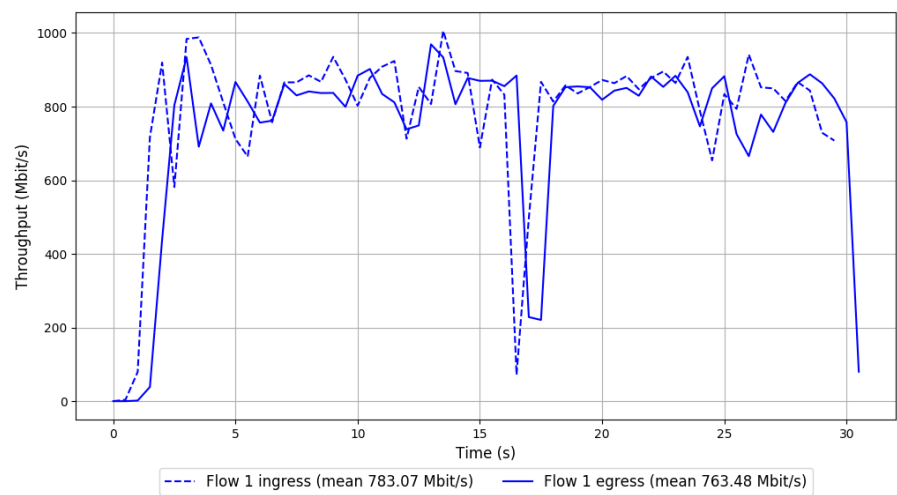


Run 8: Statistics of FillP

Start at: 2018-06-29 14:04:56
End at: 2018-06-29 14:05:26
Local clock offset: 1.738 ms
Remote clock offset: -3.085 ms

Below is generated by plot.py at 2018-06-29 15:40:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 763.48 Mbit/s
95th percentile per-packet one-way delay: 314.627 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 763.48 Mbit/s
95th percentile per-packet one-way delay: 314.627 ms
Loss rate: 2.50%

Run 8: Report of FillP — Data Link

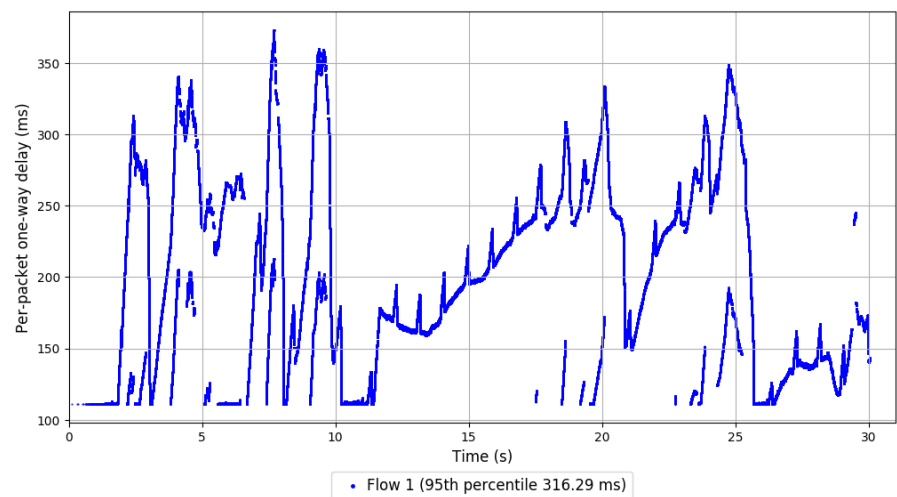
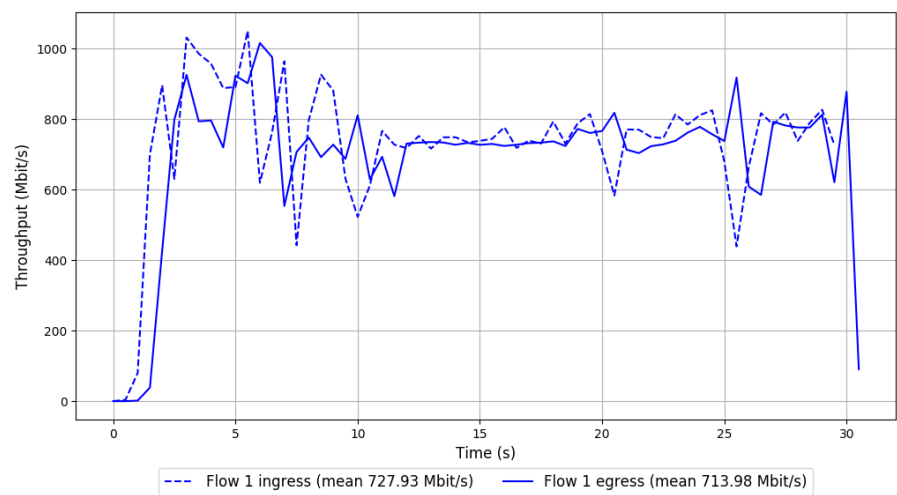


Run 9: Statistics of FillP

Start at: 2018-06-29 14:27:01
End at: 2018-06-29 14:27:31
Local clock offset: 0.823 ms
Remote clock offset: -3.296 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 713.98 Mbit/s
95th percentile per-packet one-way delay: 316.286 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 713.98 Mbit/s
95th percentile per-packet one-way delay: 316.286 ms
Loss rate: 1.91%

Run 9: Report of FillP — Data Link

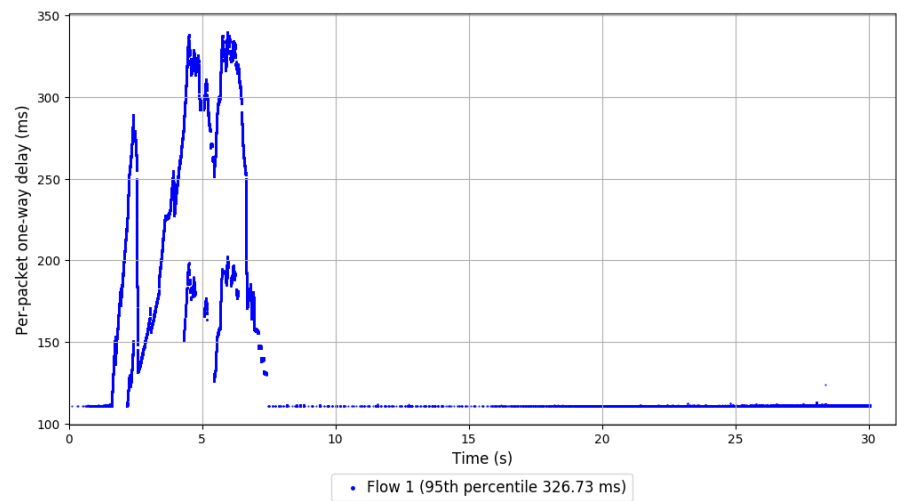
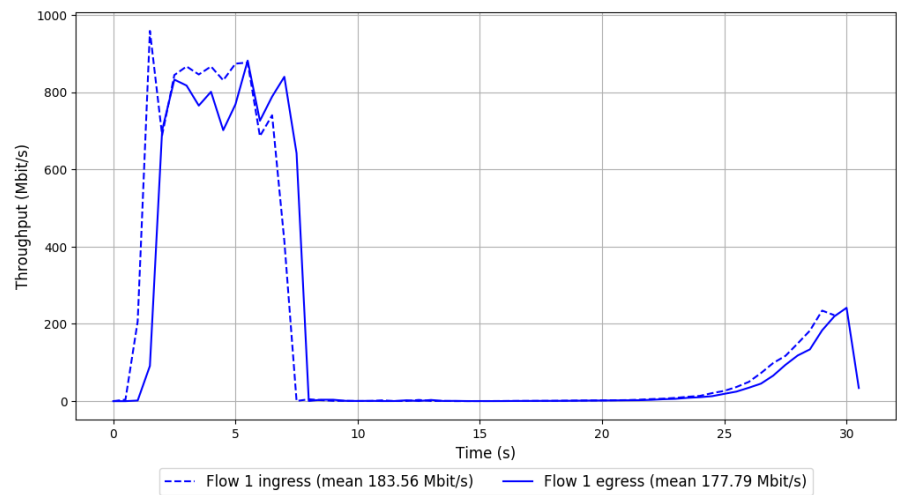


Run 10: Statistics of FillP

Start at: 2018-06-29 14:48:59
End at: 2018-06-29 14:49:29
Local clock offset: 0.781 ms
Remote clock offset: -0.774 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.79 Mbit/s
95th percentile per-packet one-way delay: 326.734 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 177.79 Mbit/s
95th percentile per-packet one-way delay: 326.734 ms
Loss rate: 3.14%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

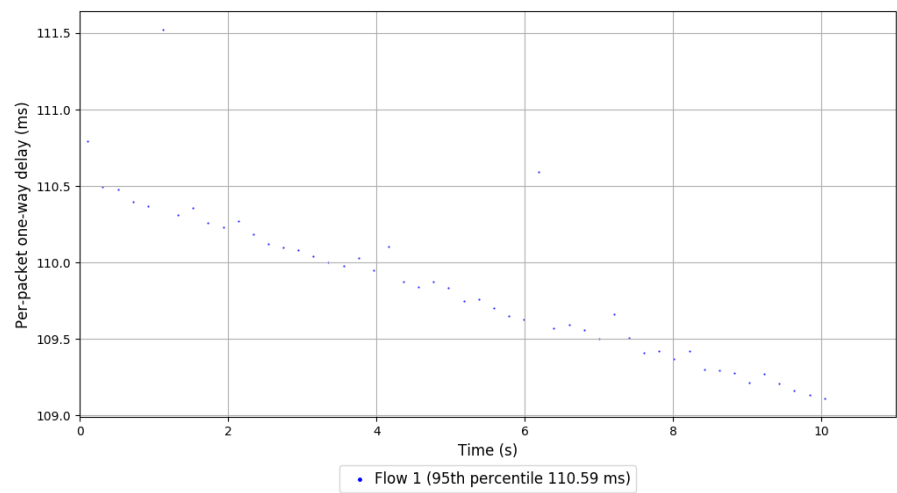
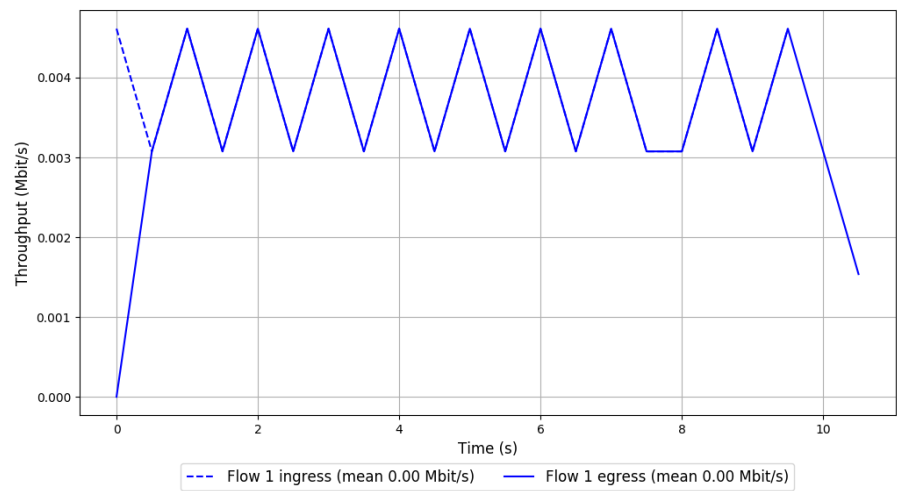
Start at: 2018-06-29 11:47:35

End at: 2018-06-29 11:48:05

Local clock offset: 13.236 ms

Remote clock offset: -31.279 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

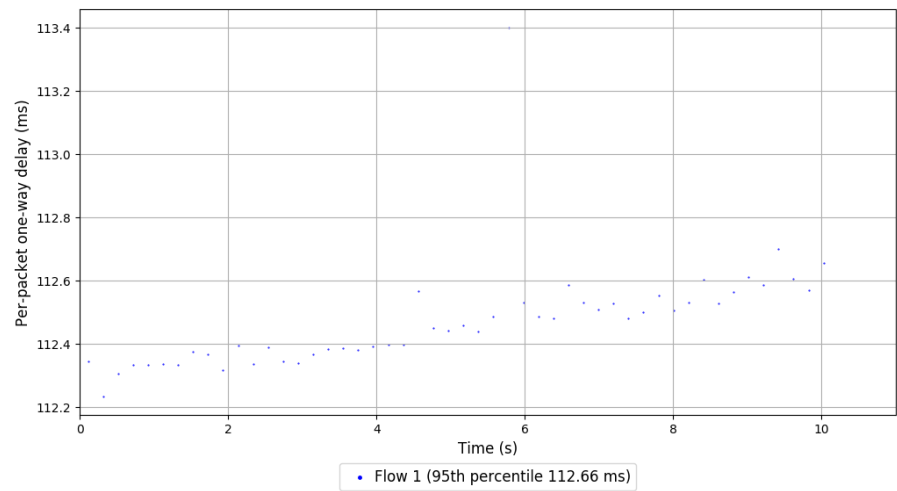
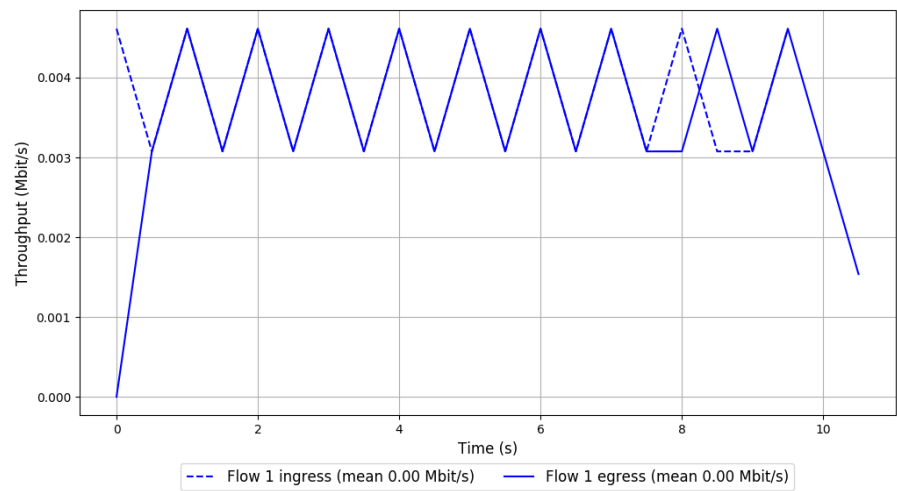
Start at: 2018-06-29 12:09:32

End at: 2018-06-29 12:10:02

Local clock offset: 16.836 ms

Remote clock offset: -38.633 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

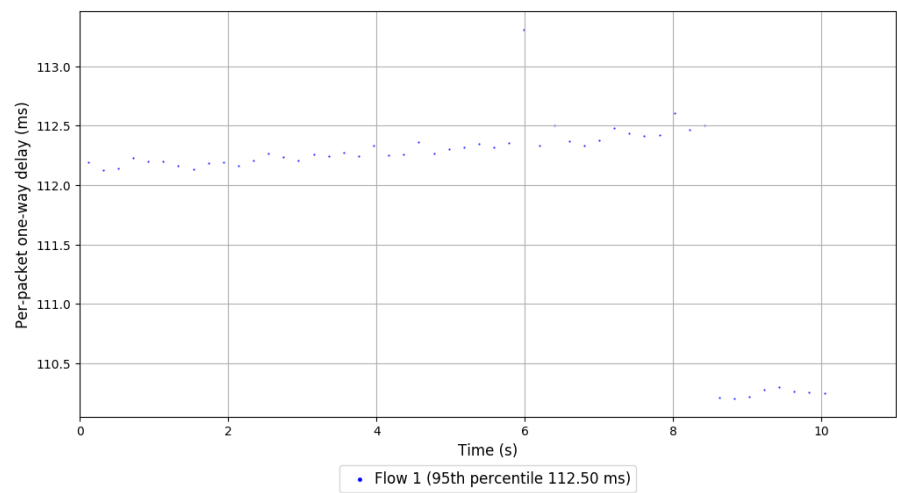
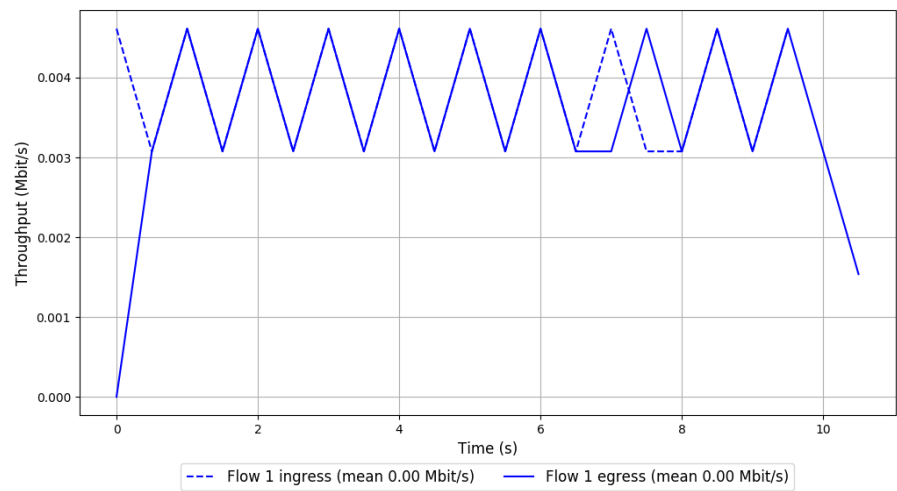
Start at: 2018-06-29 12:31:08

End at: 2018-06-29 12:31:38

Local clock offset: 30.133 ms

Remote clock offset: -41.063 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

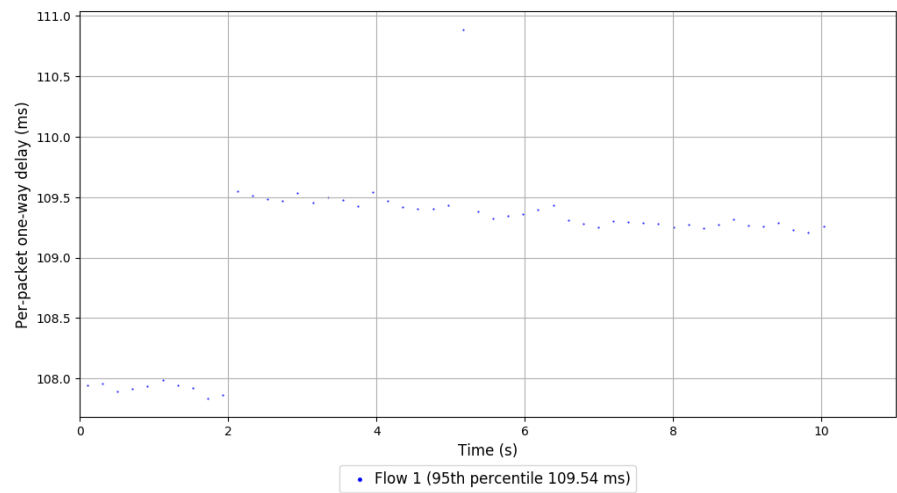
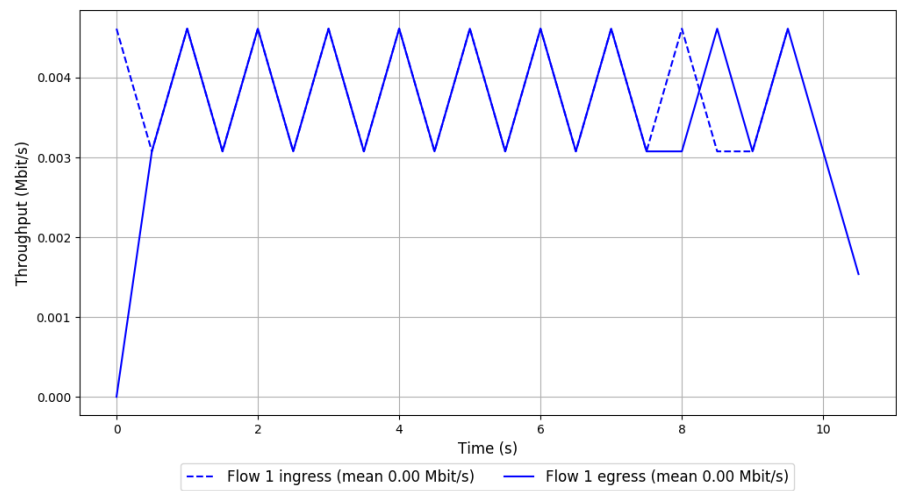
Start at: 2018-06-29 12:53:02

End at: 2018-06-29 12:53:32

Local clock offset: 15.213 ms

Remote clock offset: -33.891 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

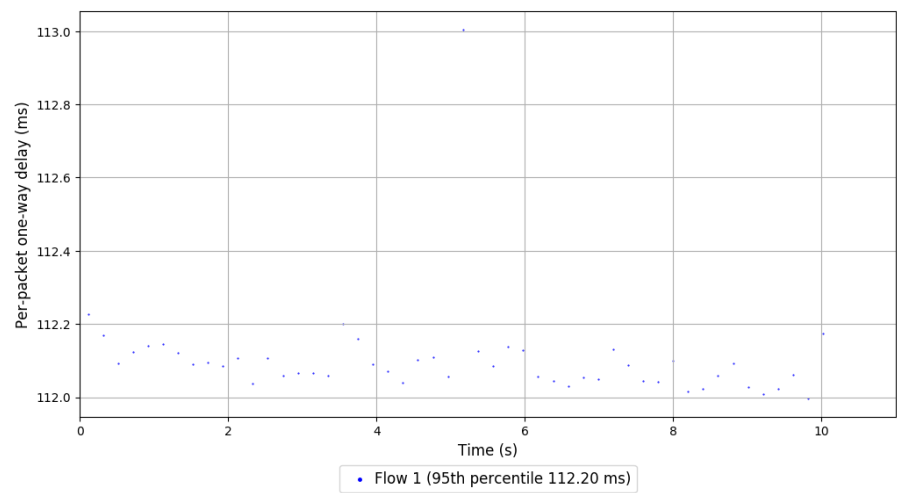
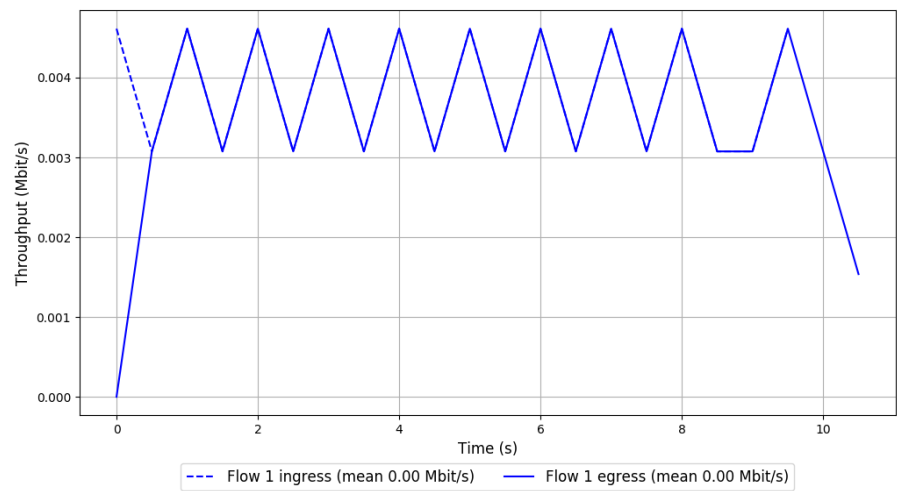
Start at: 2018-06-29 13:14:58

End at: 2018-06-29 13:15:28

Local clock offset: 11.481 ms

Remote clock offset: -28.951 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

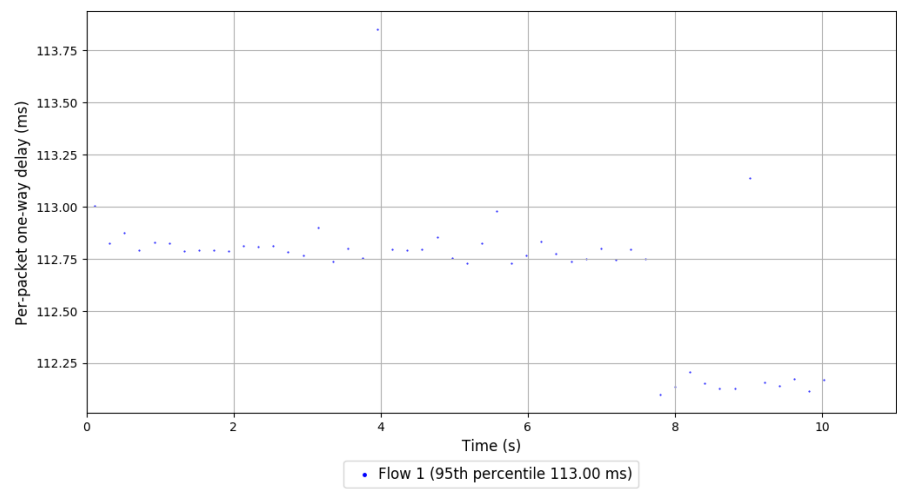
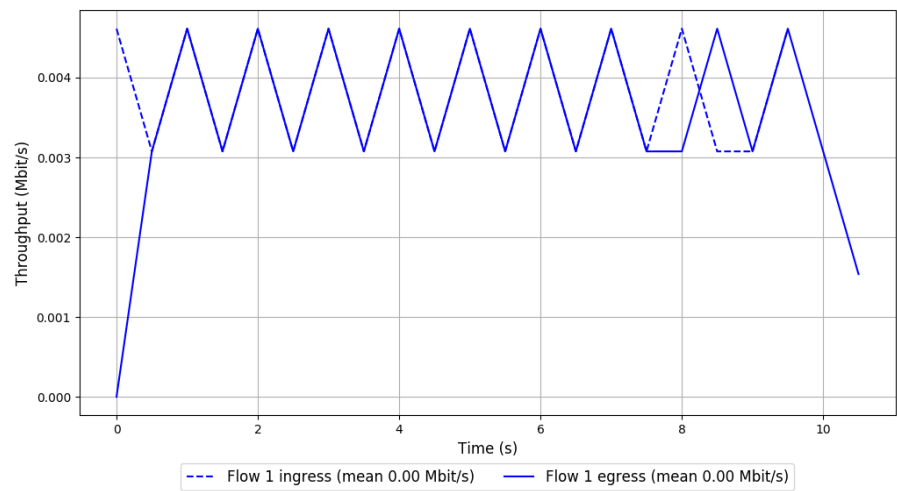
Start at: 2018-06-29 13:36:56

End at: 2018-06-29 13:37:26

Local clock offset: 5.674 ms

Remote clock offset: -7.762 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

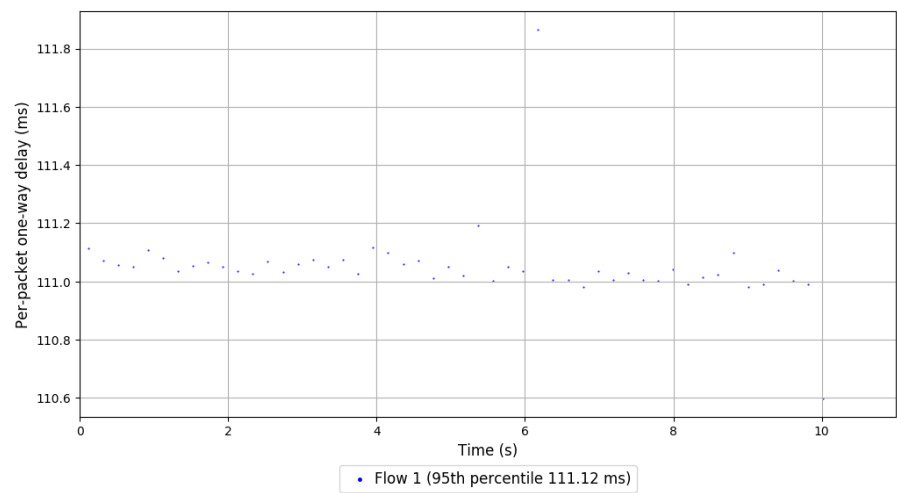
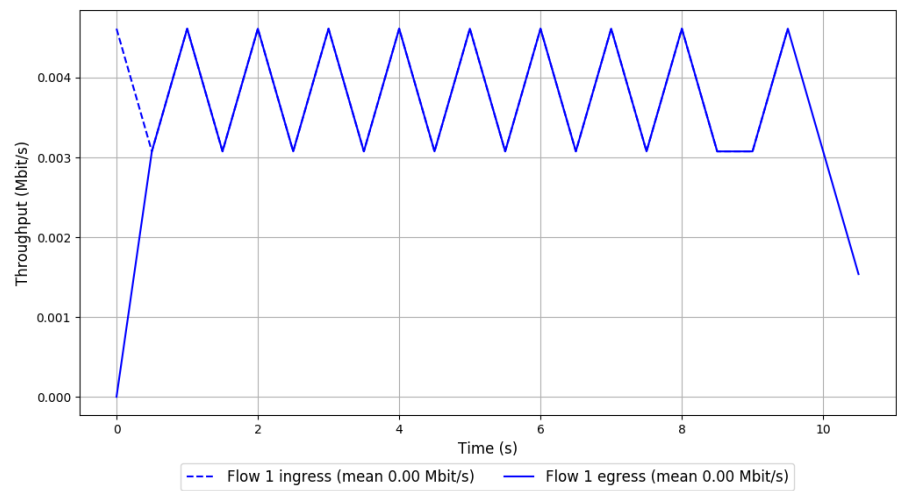
Start at: 2018-06-29 13:58:57

End at: 2018-06-29 13:59:27

Local clock offset: 2.398 ms

Remote clock offset: -4.567 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

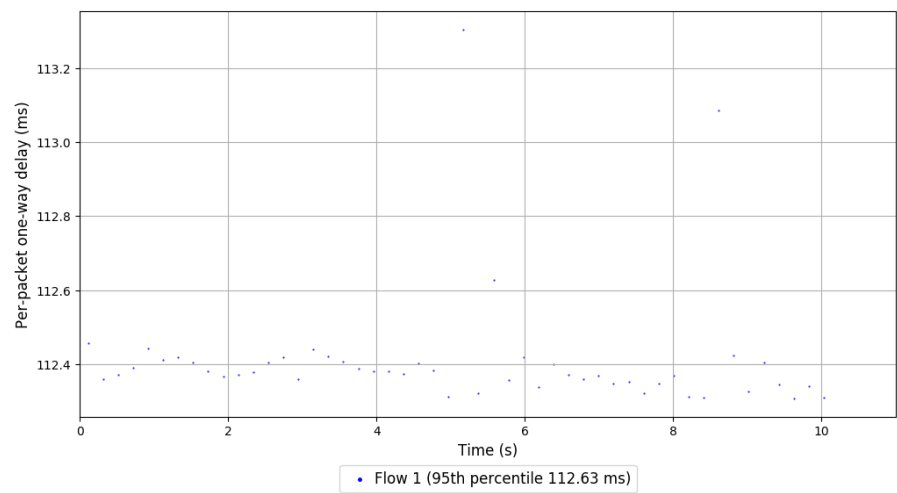
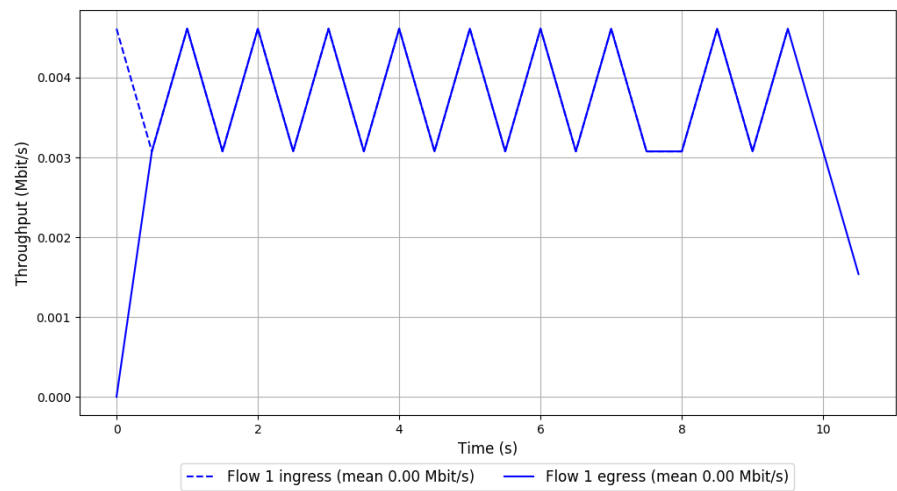
Start at: 2018-06-29 14:21:02

End at: 2018-06-29 14:21:32

Local clock offset: 0.444 ms

Remote clock offset: -2.877 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

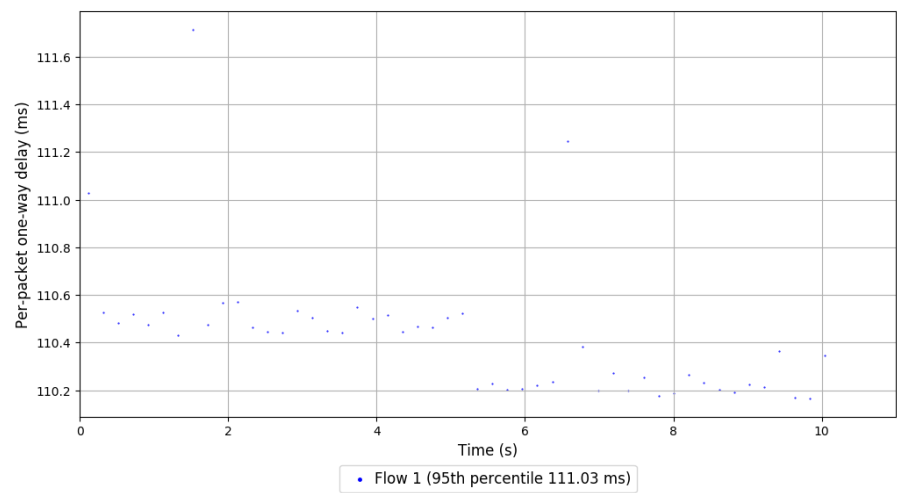
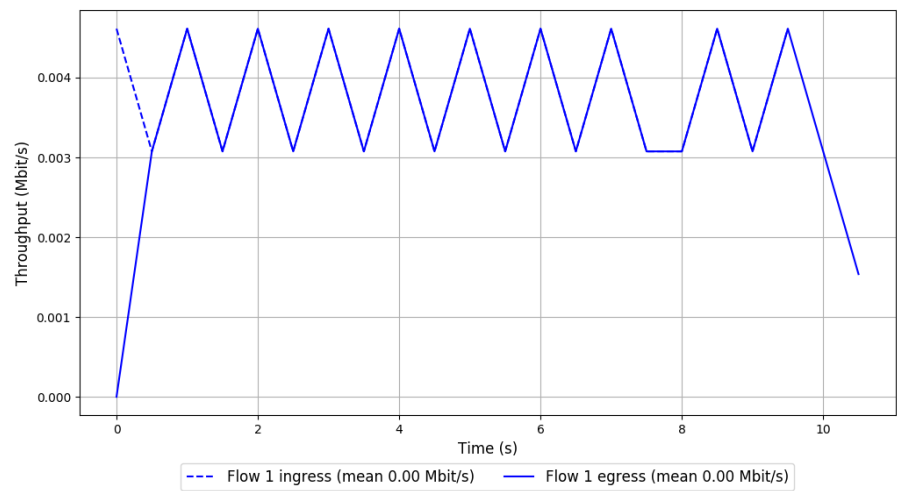
Start at: 2018-06-29 14:43:02

End at: 2018-06-29 14:43:32

Local clock offset: 0.493 ms

Remote clock offset: -1.196 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

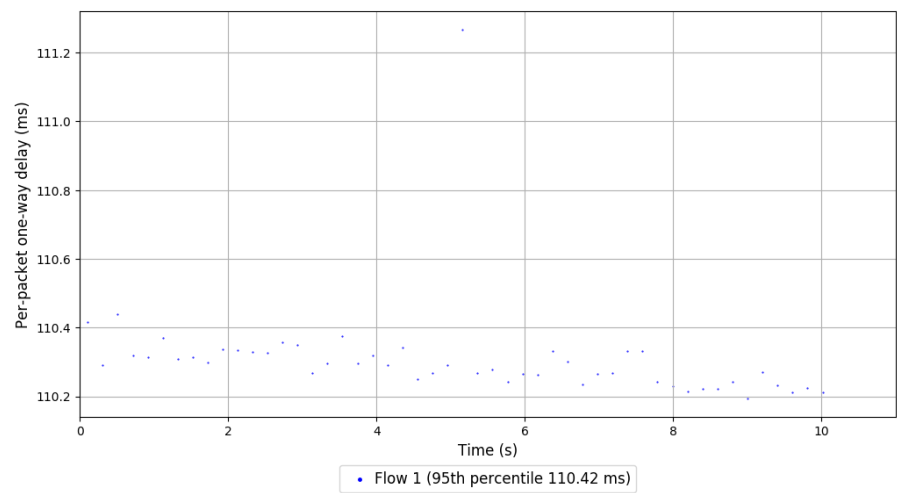
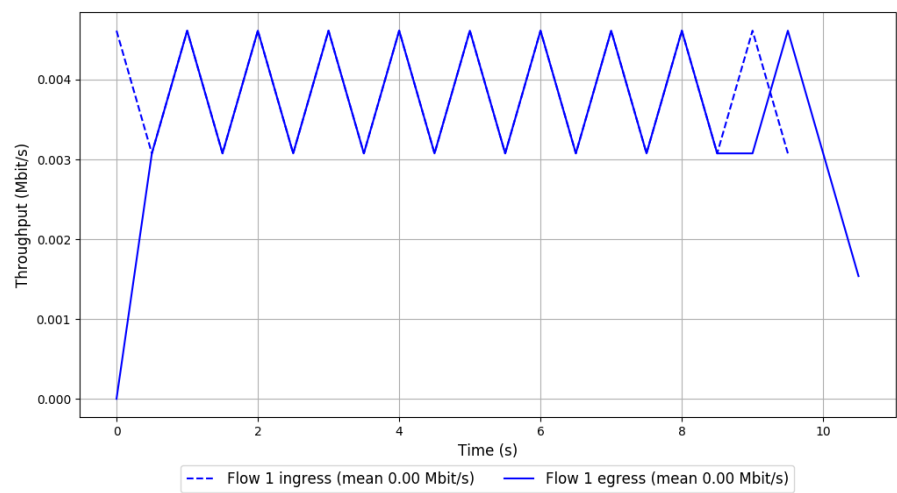
Start at: 2018-06-29 15:04:37

End at: 2018-06-29 15:05:07

Local clock offset: 0.293 ms

Remote clock offset: -1.154 ms

Run 10: Report of FillP-Sheep — Data Link

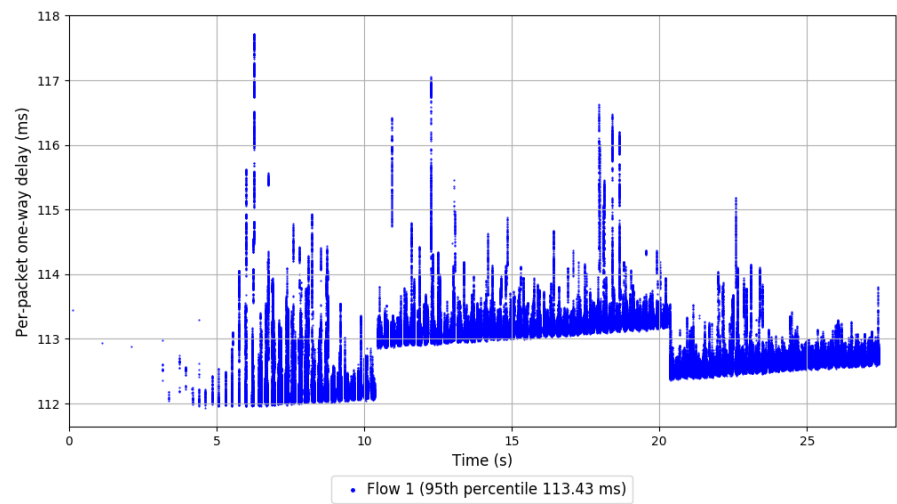
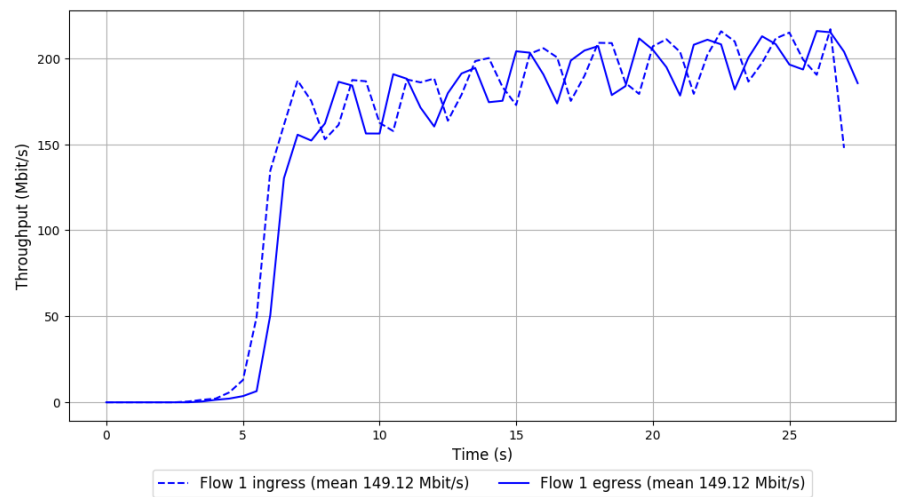


```
Run 1: Statistics of Indigo

Start at: 2018-06-29 11:51:01
End at: 2018-06-29 11:51:31
Local clock offset: 10.67 ms
Remote clock offset: -22.488 ms

# Below is generated by plot.py at 2018-06-29 15:43:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 149.12 Mbit/s
95th percentile per-packet one-way delay: 113.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.12 Mbit/s
95th percentile per-packet one-way delay: 113.429 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

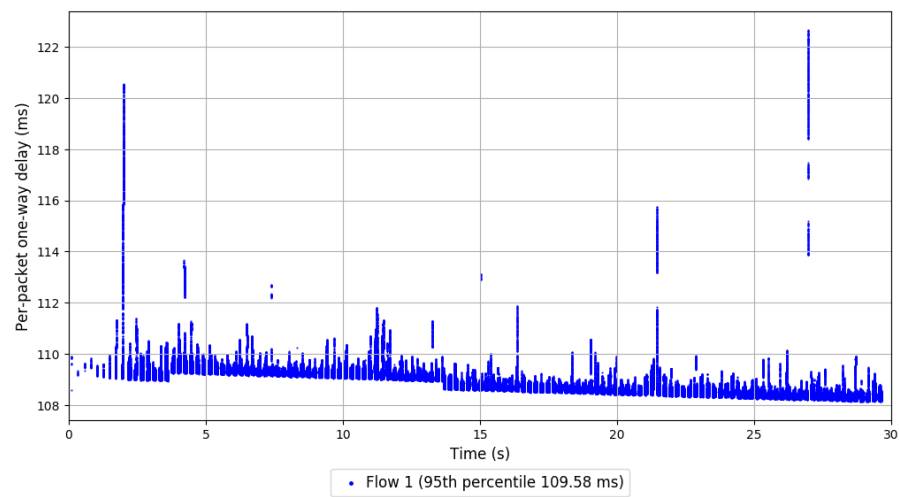
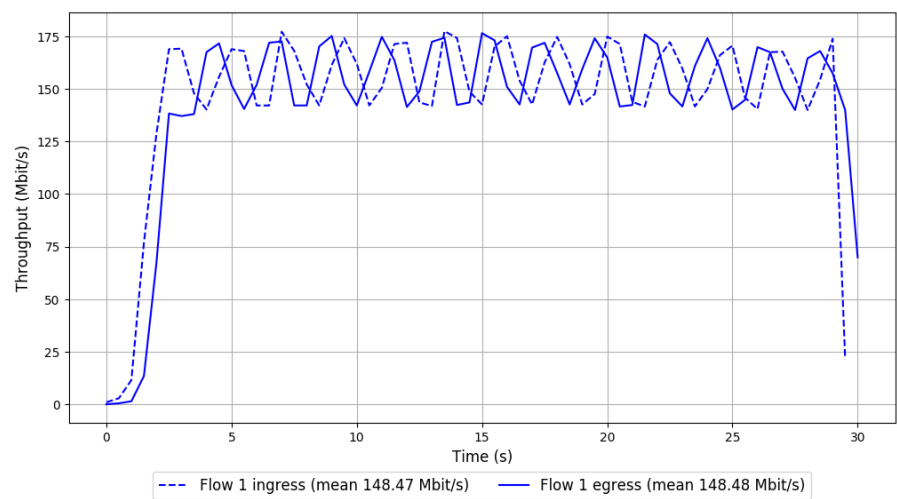


Run 2: Statistics of Indigo

Start at: 2018-06-29 12:13:00
End at: 2018-06-29 12:13:30
Local clock offset: 19.297 ms
Remote clock offset: -38.842 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.48 Mbit/s
95th percentile per-packet one-way delay: 109.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.48 Mbit/s
95th percentile per-packet one-way delay: 109.575 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

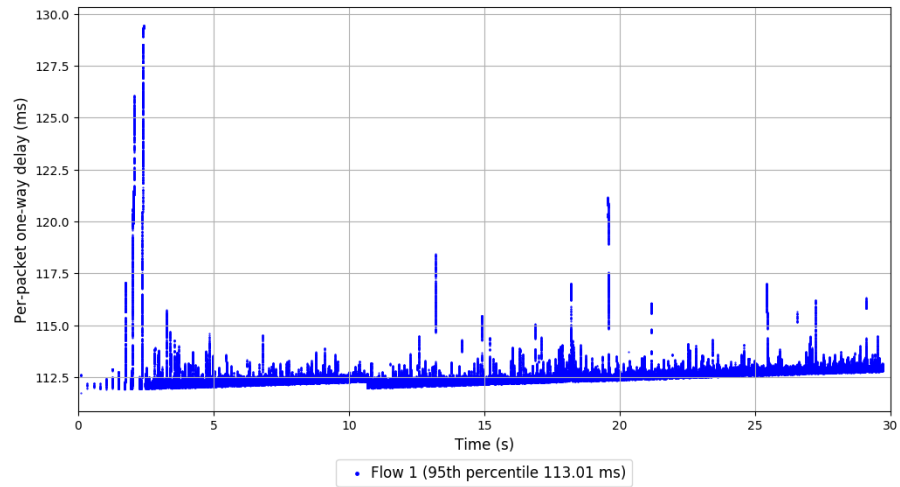
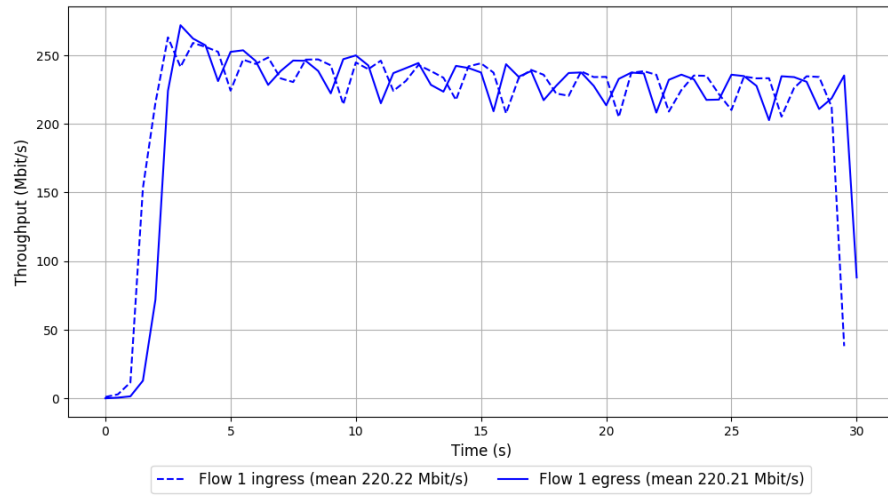


Run 3: Statistics of Indigo

Start at: 2018-06-29 12:34:33
End at: 2018-06-29 12:35:03
Local clock offset: 33.635 ms
Remote clock offset: -45.749 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.21 Mbit/s
95th percentile per-packet one-way delay: 113.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.21 Mbit/s
95th percentile per-packet one-way delay: 113.007 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

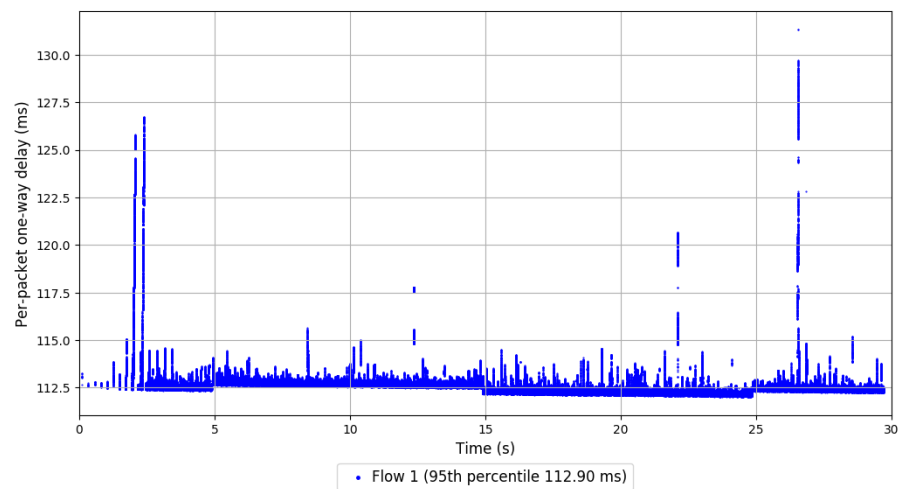
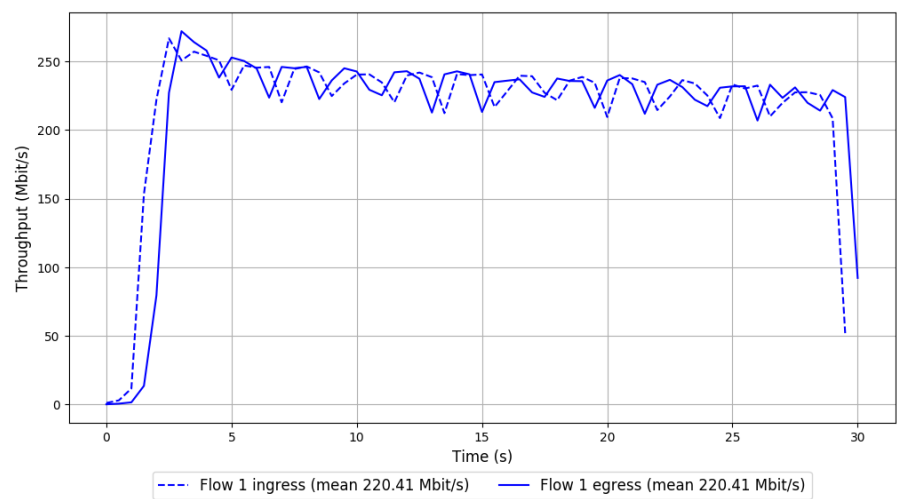


Run 4: Statistics of Indigo

Start at: 2018-06-29 12:56:29
End at: 2018-06-29 12:56:59
Local clock offset: 12.266 ms
Remote clock offset: -27.784 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.41 Mbit/s
95th percentile per-packet one-way delay: 112.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.41 Mbit/s
95th percentile per-packet one-way delay: 112.904 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

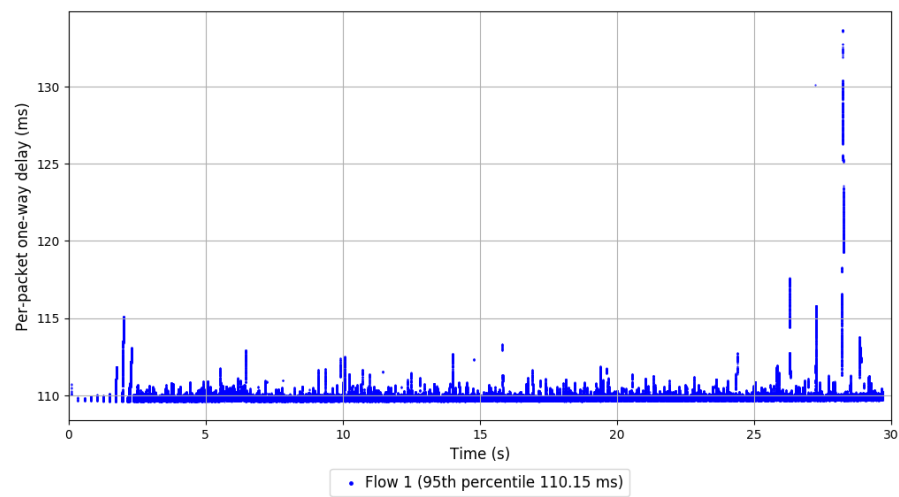
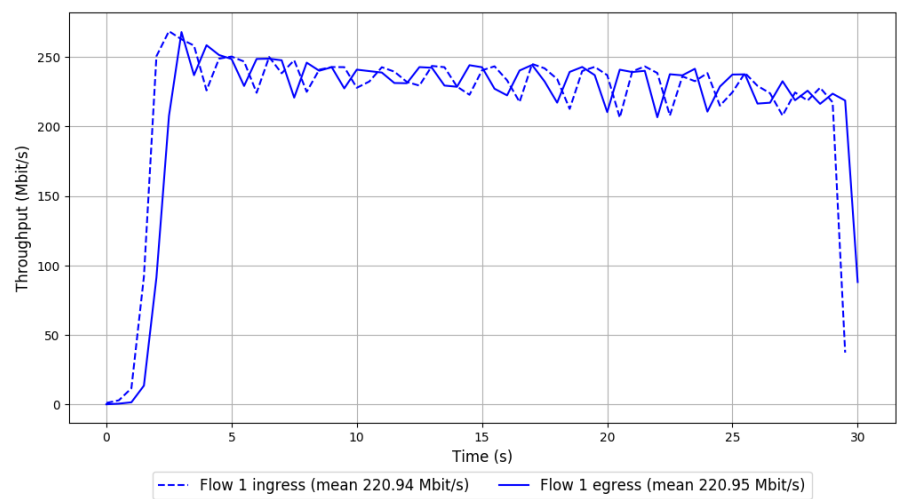


Run 5: Statistics of Indigo

Start at: 2018-06-29 13:18:25
End at: 2018-06-29 13:18:55
Local clock offset: 9.64 ms
Remote clock offset: -31.793 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.95 Mbit/s
95th percentile per-packet one-way delay: 110.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.95 Mbit/s
95th percentile per-packet one-way delay: 110.146 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 13:40:24

End at: 2018-06-29 13:40:54

Local clock offset: 7.812 ms

Remote clock offset: -7.036 ms

Below is generated by plot.py at 2018-06-29 15:43:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.25 Mbit/s

95th percentile per-packet one-way delay: 111.400 ms

Loss rate: 0.00%

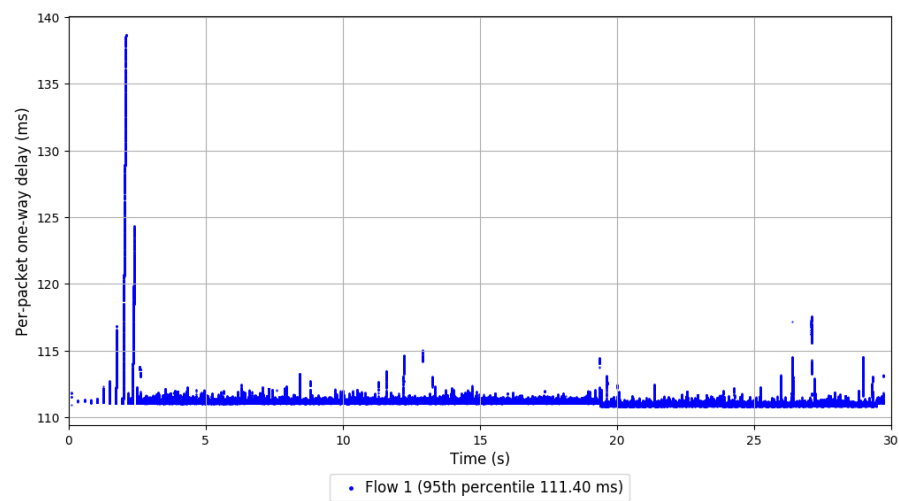
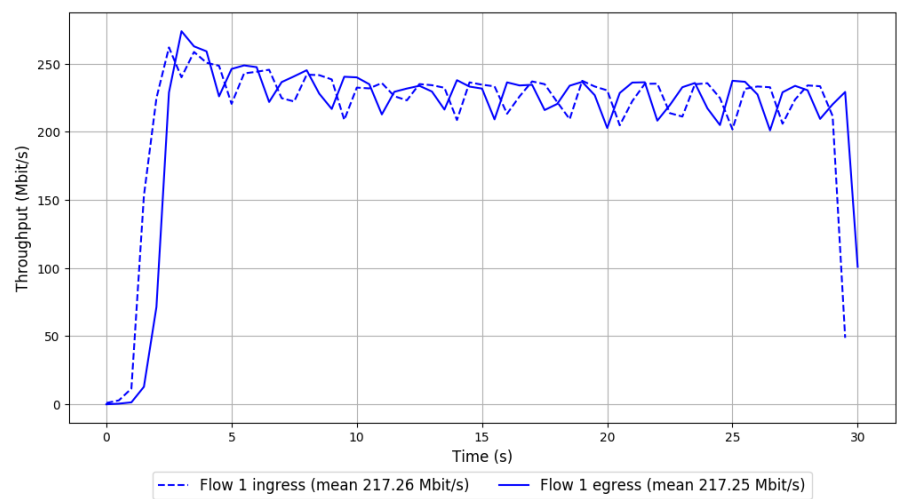
-- Flow 1:

Average throughput: 217.25 Mbit/s

95th percentile per-packet one-way delay: 111.400 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

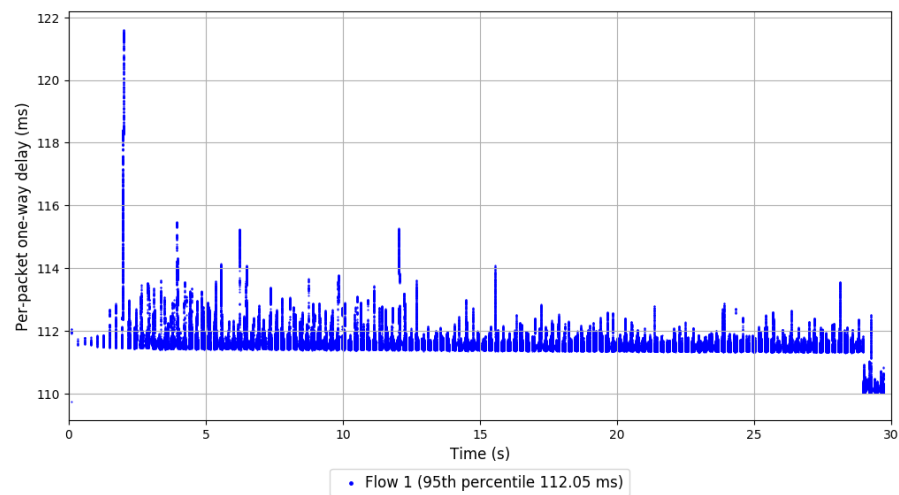
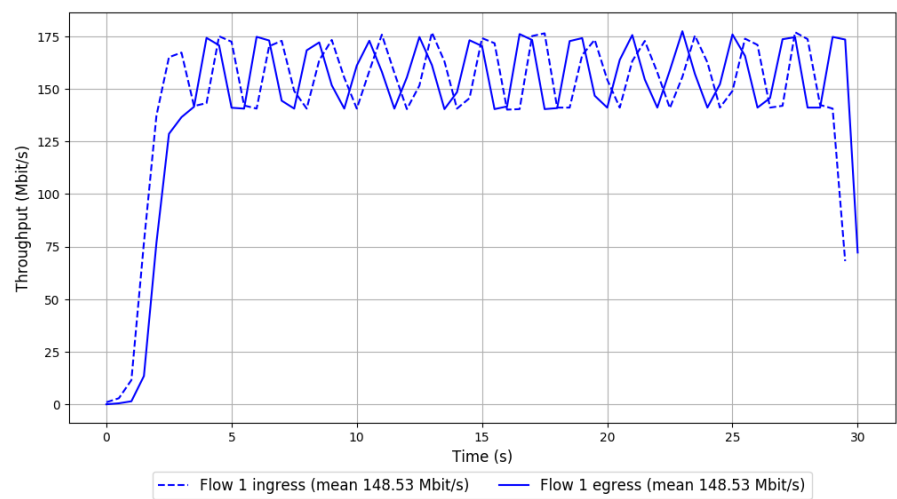


Run 7: Statistics of Indigo

Start at: 2018-06-29 14:02:25
End at: 2018-06-29 14:02:55
Local clock offset: 1.68 ms
Remote clock offset: -3.556 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.53 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.53 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

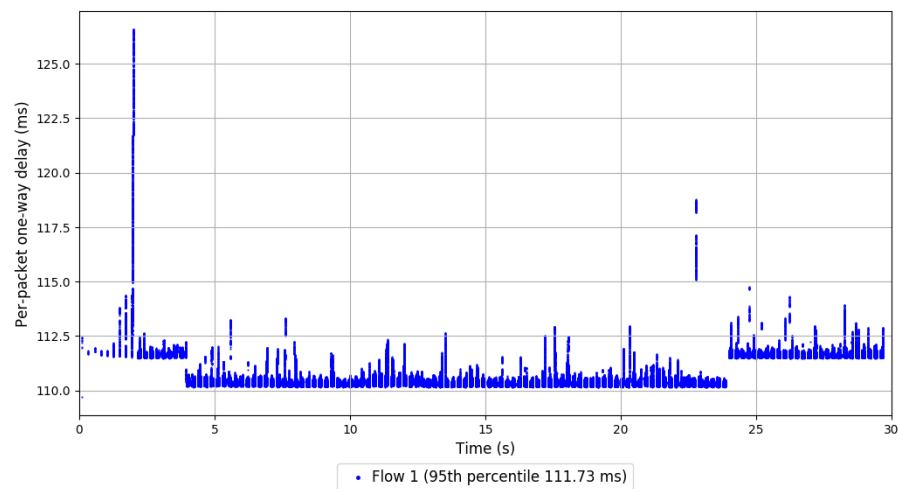
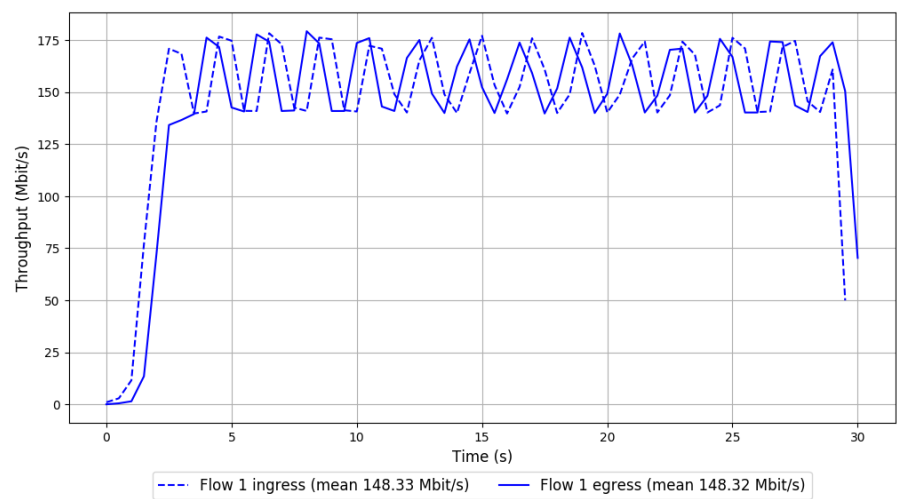


Run 8: Statistics of Indigo

Start at: 2018-06-29 14:24:30
End at: 2018-06-29 14:25:00
Local clock offset: 1.134 ms
Remote clock offset: -3.069 ms

Below is generated by plot.py at 2018-06-29 15:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.32 Mbit/s
95th percentile per-packet one-way delay: 111.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.32 Mbit/s
95th percentile per-packet one-way delay: 111.726 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

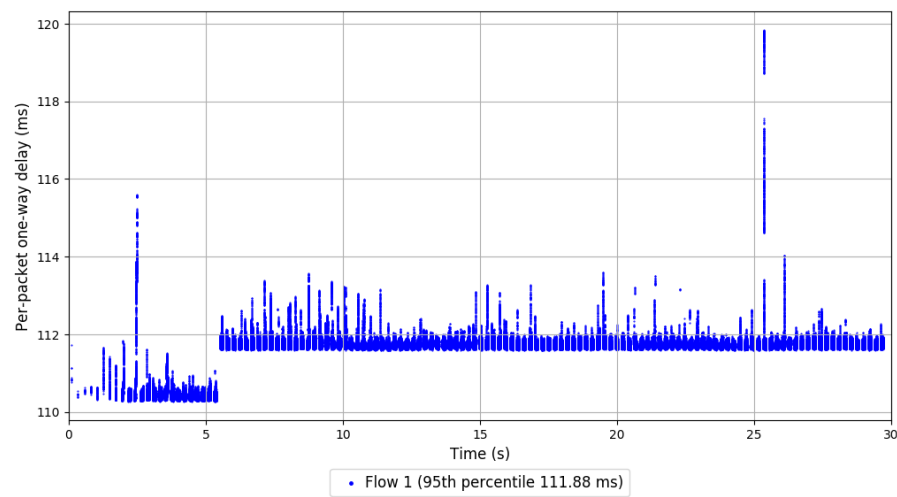
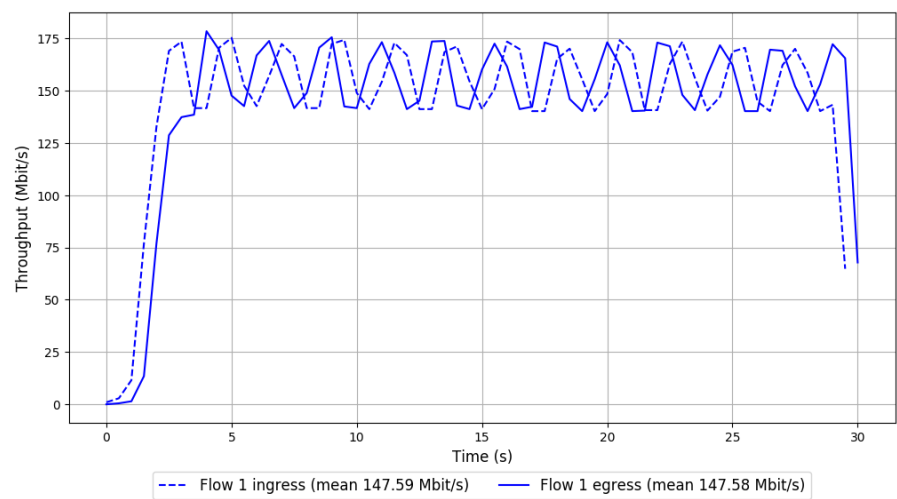


Run 9: Statistics of Indigo

Start at: 2018-06-29 14:46:28
End at: 2018-06-29 14:46:58
Local clock offset: 0.538 ms
Remote clock offset: -1.154 ms

Below is generated by plot.py at 2018-06-29 15:43:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.58 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.58 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-29 15:08:05

End at: 2018-06-29 15:08:35

Local clock offset: 0.356 ms

Remote clock offset: -0.9 ms

Below is generated by plot.py at 2018-06-29 15:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.60 Mbit/s

95th percentile per-packet one-way delay: 111.434 ms

Loss rate: 0.00%

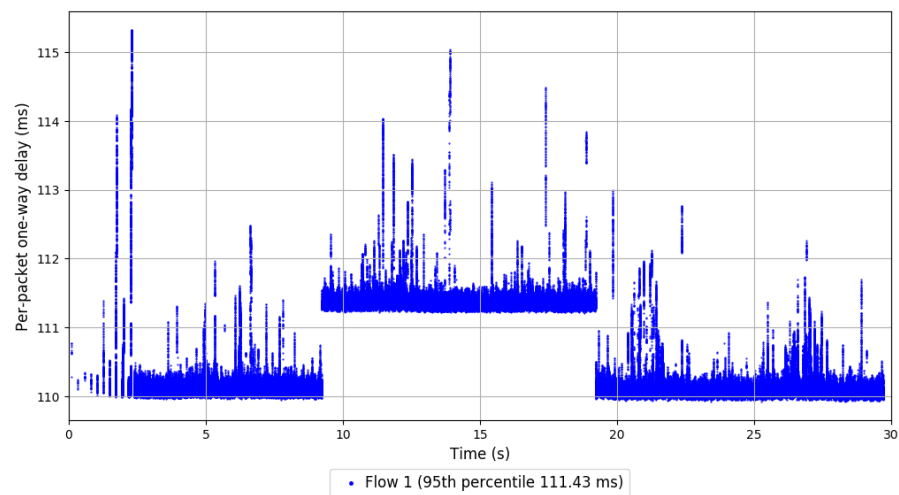
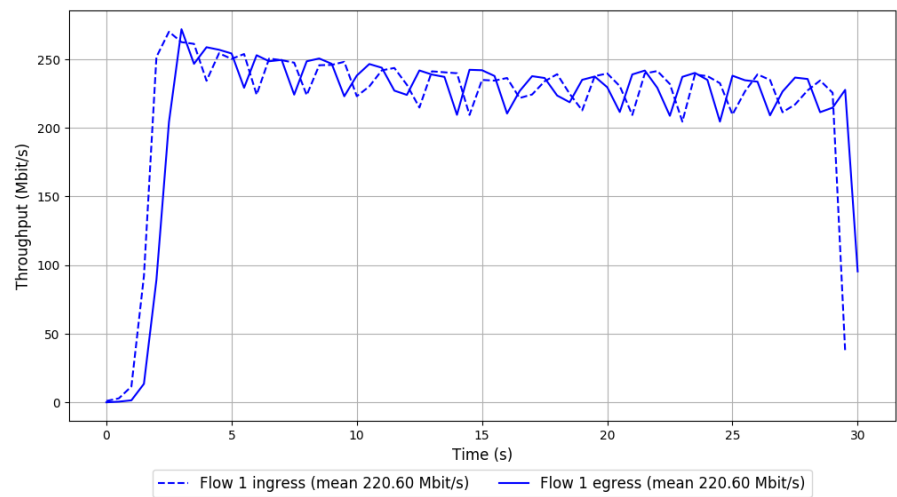
-- Flow 1:

Average throughput: 220.60 Mbit/s

95th percentile per-packet one-way delay: 111.434 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

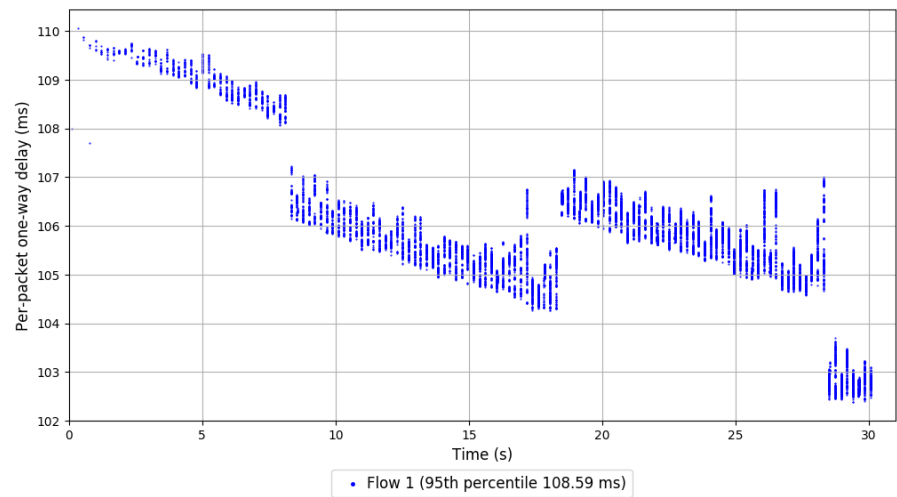
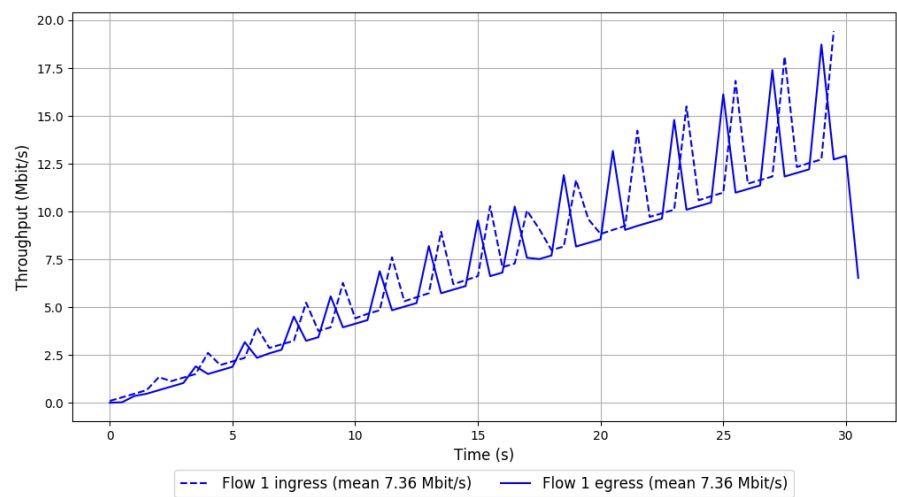


Run 1: Statistics of LEDBAT

Start at: 2018-06-29 11:37:16
End at: 2018-06-29 11:37:46
Local clock offset: 11.412 ms
Remote clock offset: -38.098 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 108.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 108.593 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

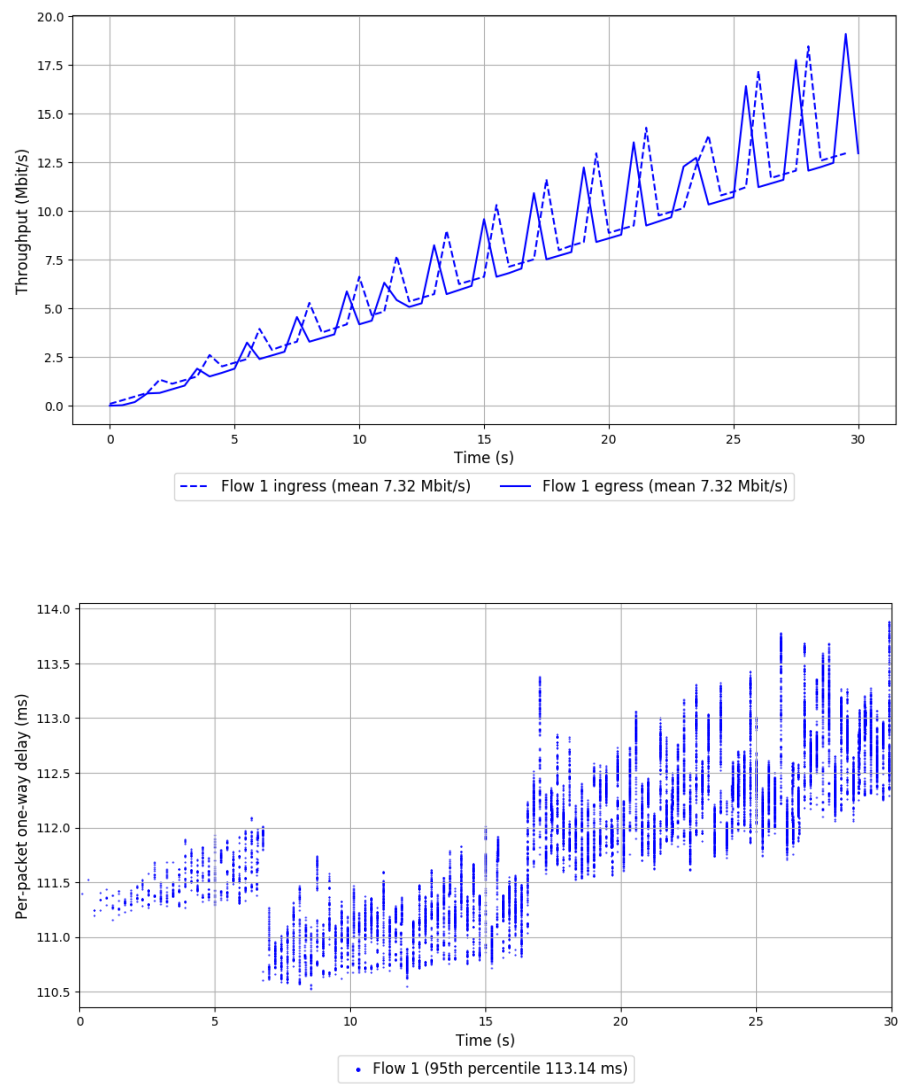


Run 2: Statistics of LEDBAT

Start at: 2018-06-29 11:59:07
End at: 2018-06-29 11:59:37
Local clock offset: 19.175 ms
Remote clock offset: -21.986 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 113.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 113.139 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

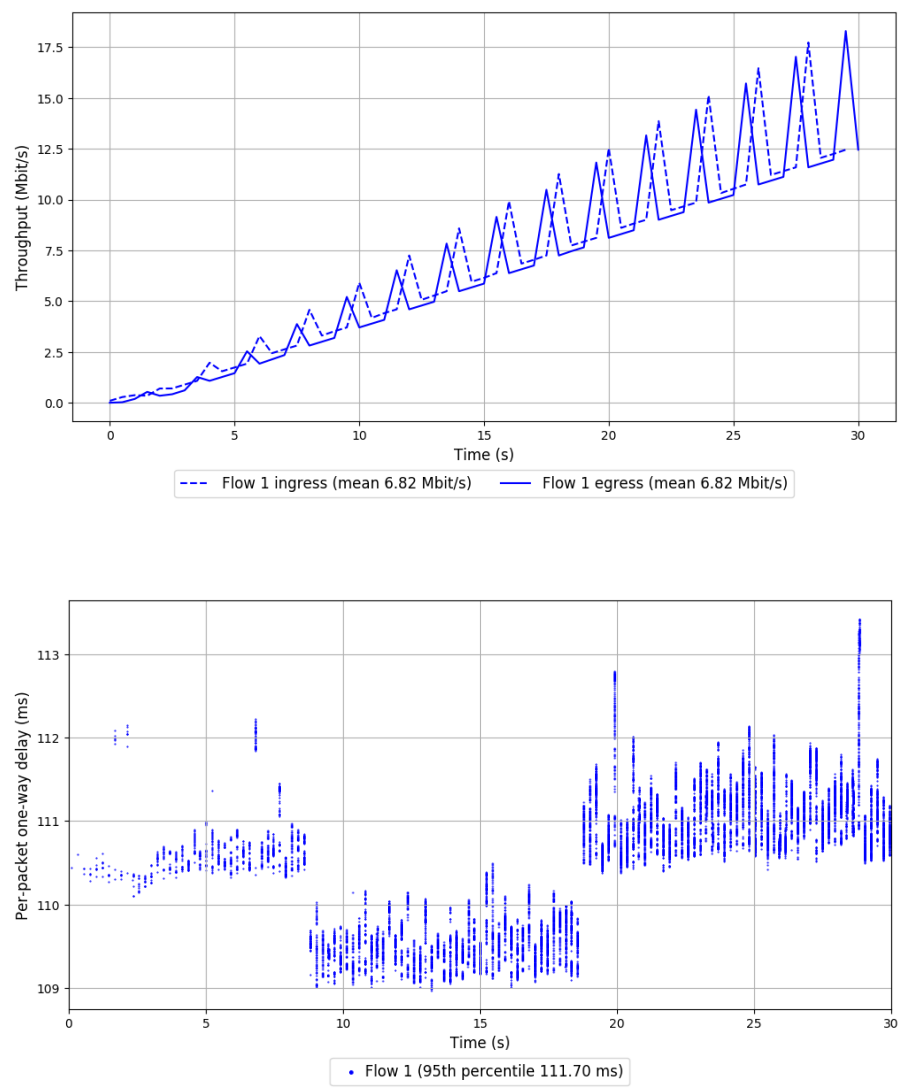


Run 3: Statistics of LEDBAT

Start at: 2018-06-29 12:20:35
End at: 2018-06-29 12:21:06
Local clock offset: 22.868 ms
Remote clock offset: -31.694 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 111.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 111.698 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

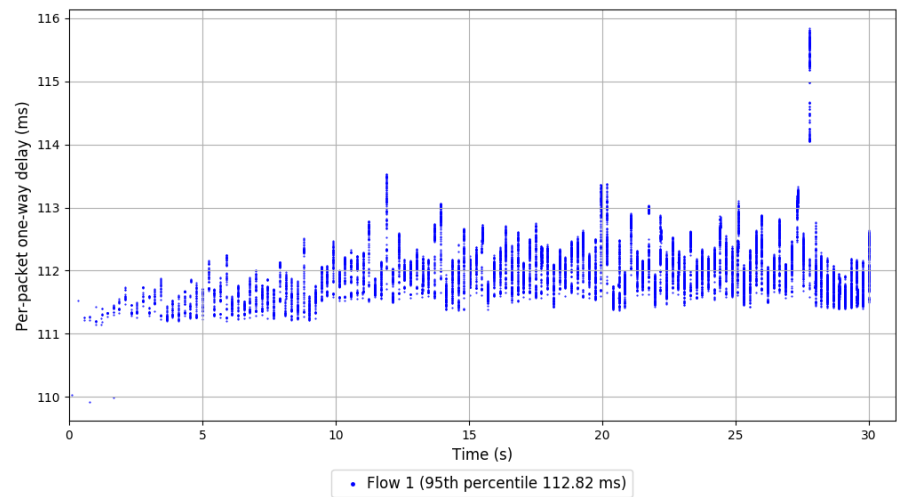
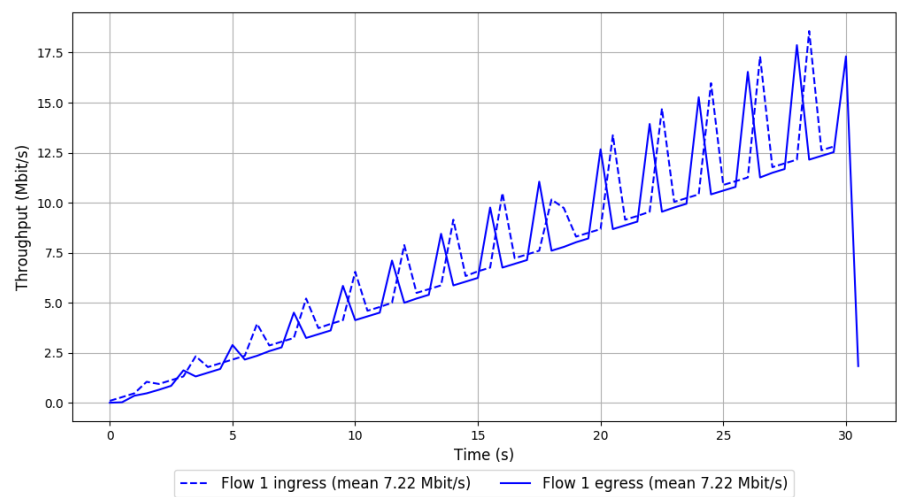


Run 4: Statistics of LEDBAT

Start at: 2018-06-29 12:42:35
End at: 2018-06-29 12:43:05
Local clock offset: 22.106 ms
Remote clock offset: -58.654 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 112.818 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

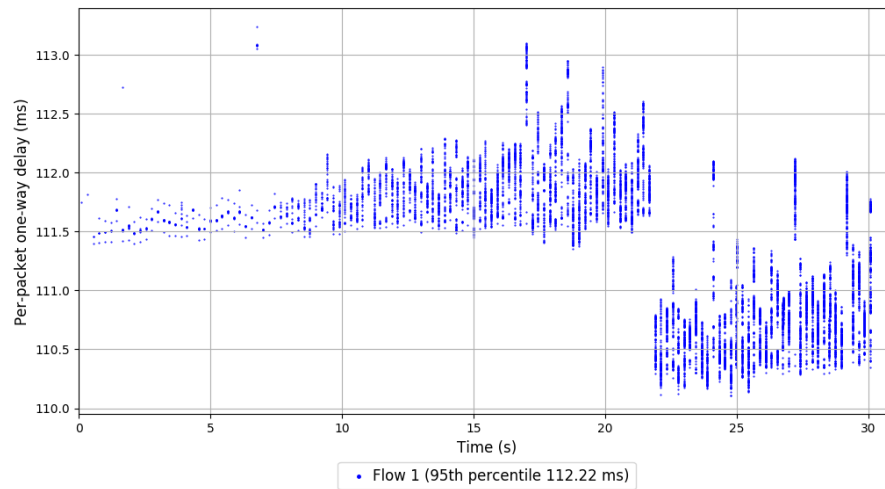
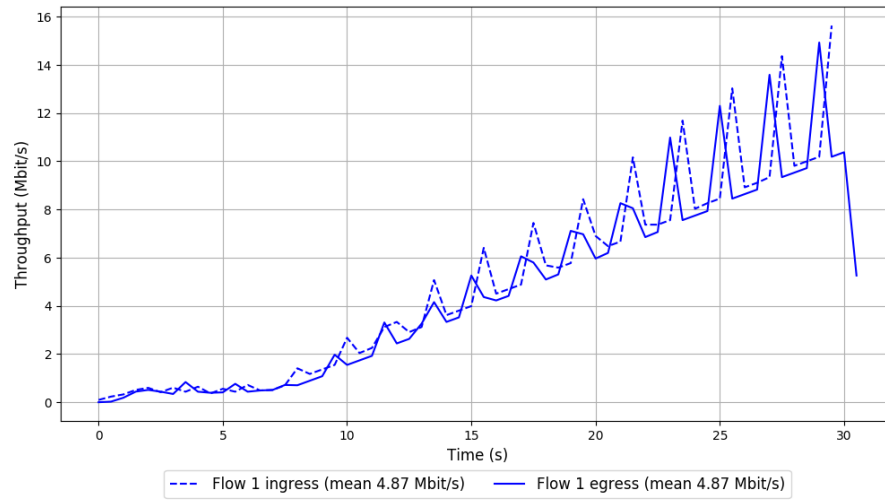


Run 5: Statistics of LEDBAT

Start at: 2018-06-29 13:04:22
End at: 2018-06-29 13:04:52
Local clock offset: 15.507 ms
Remote clock offset: -24.647 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 112.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 112.219 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

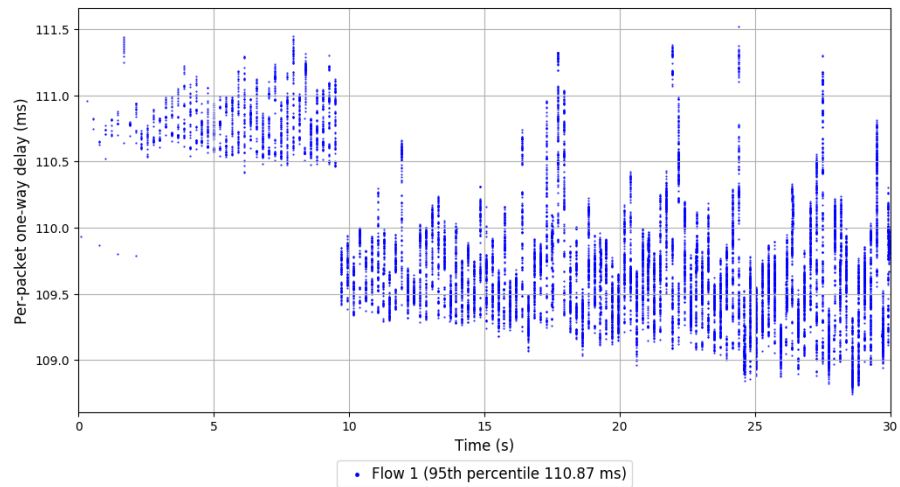
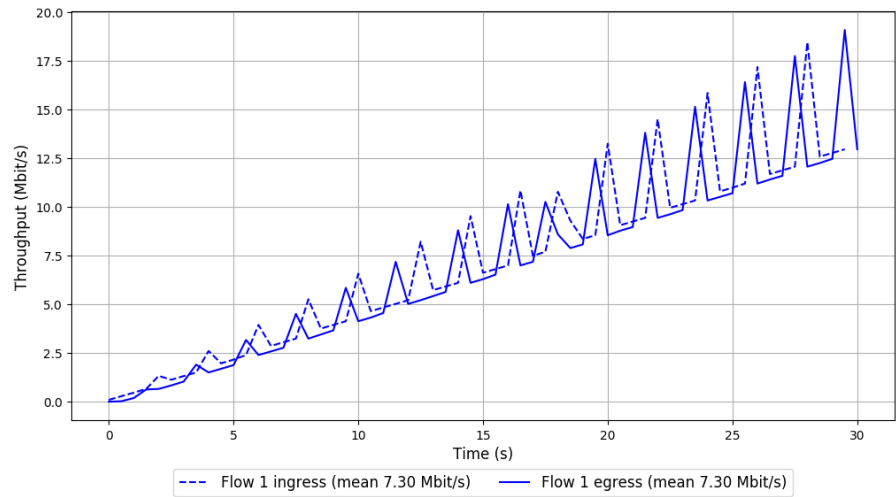


Run 6: Statistics of LEDBAT

Start at: 2018-06-29 13:26:35
End at: 2018-06-29 13:27:05
Local clock offset: 6.929 ms
Remote clock offset: -15.747 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 110.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 110.866 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

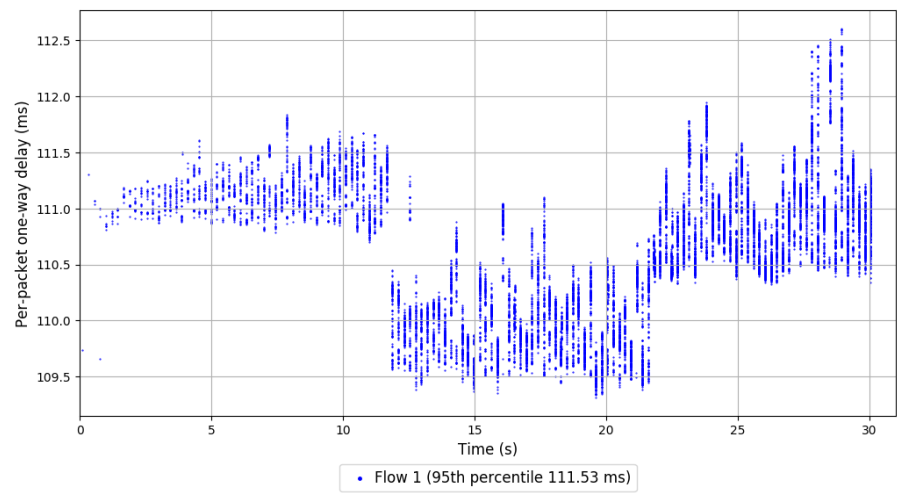
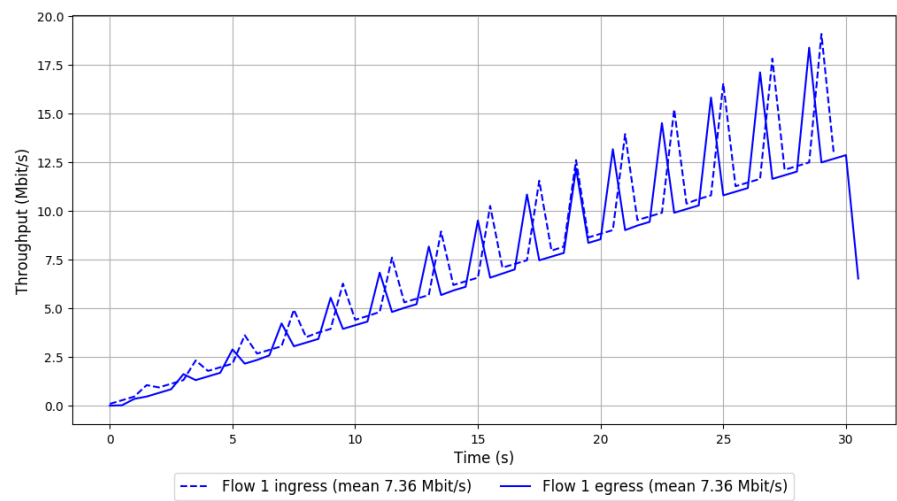


Run 7: Statistics of LEDBAT

Start at: 2018-06-29 13:48:32
End at: 2018-06-29 13:49:02
Local clock offset: 5.957 ms
Remote clock offset: -7.291 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 111.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 111.525 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

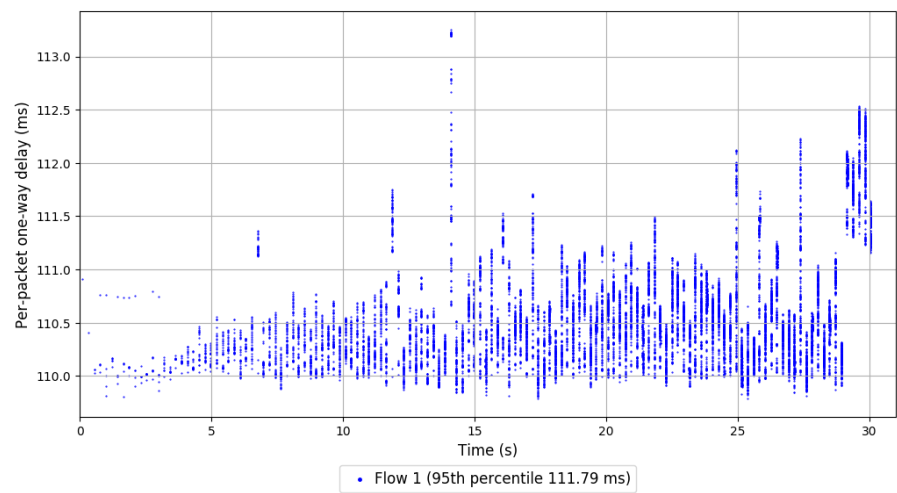
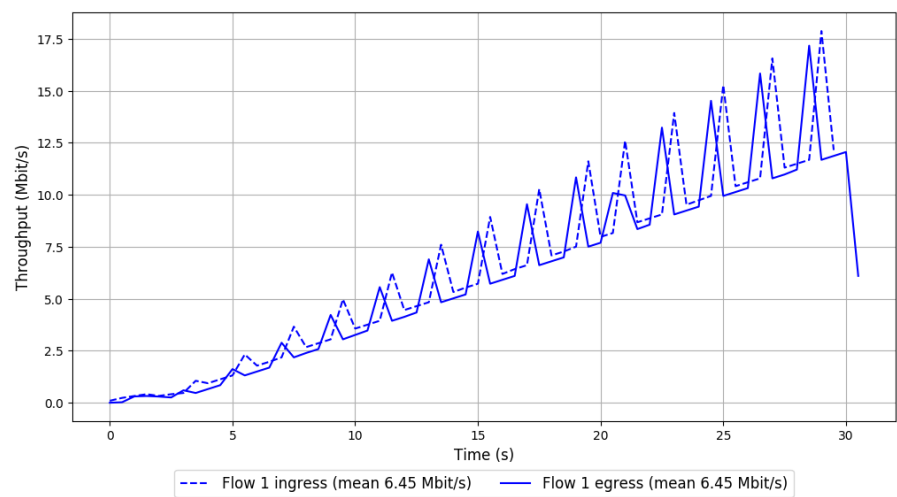


Run 8: Statistics of LEDBAT

Start at: 2018-06-29 14:10:35
End at: 2018-06-29 14:11:05
Local clock offset: 1.736 ms
Remote clock offset: -2.981 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 111.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 111.788 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

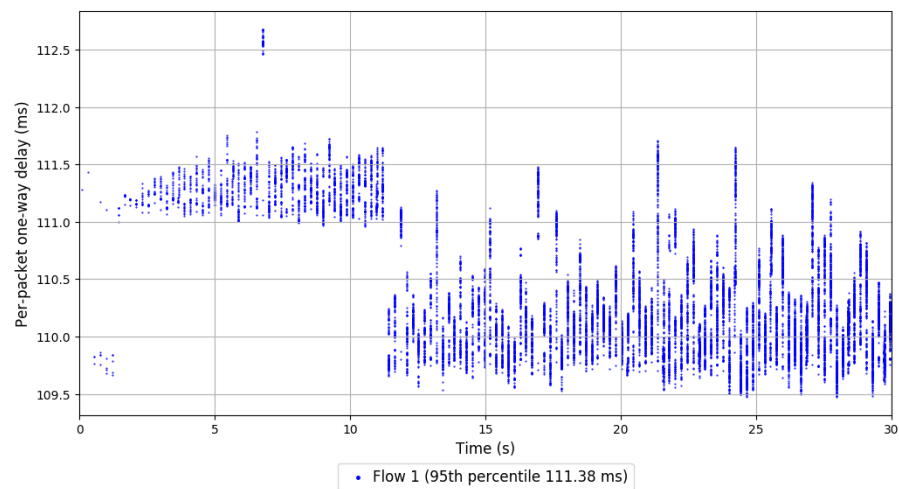
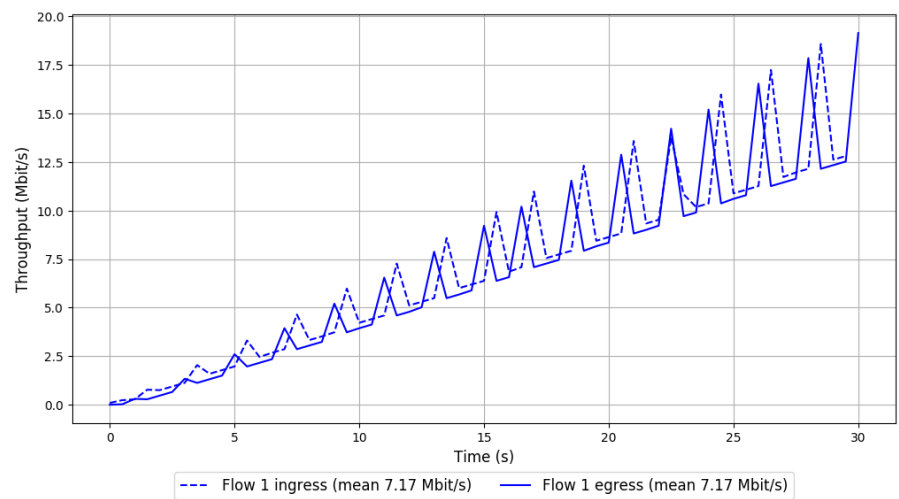


Run 9: Statistics of LEDBAT

Start at: 2018-06-29 14:32:43
End at: 2018-06-29 14:33:13
Local clock offset: 0.805 ms
Remote clock offset: -2.509 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 111.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 111.383 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

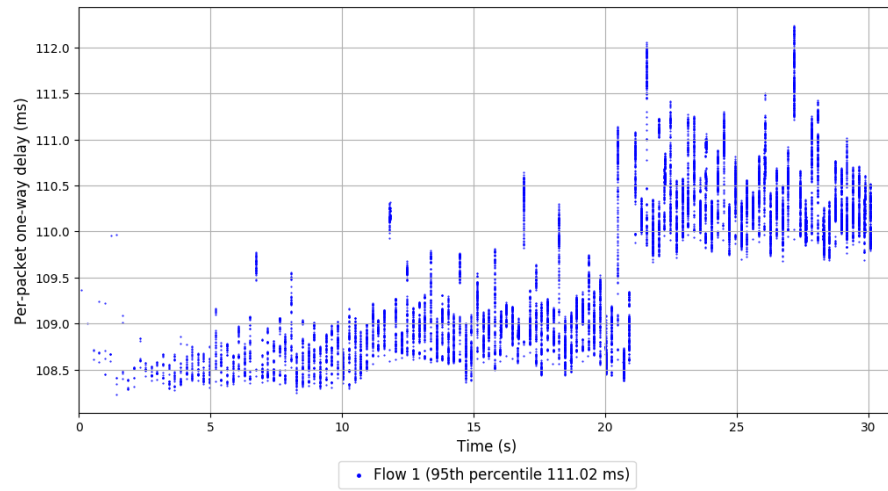
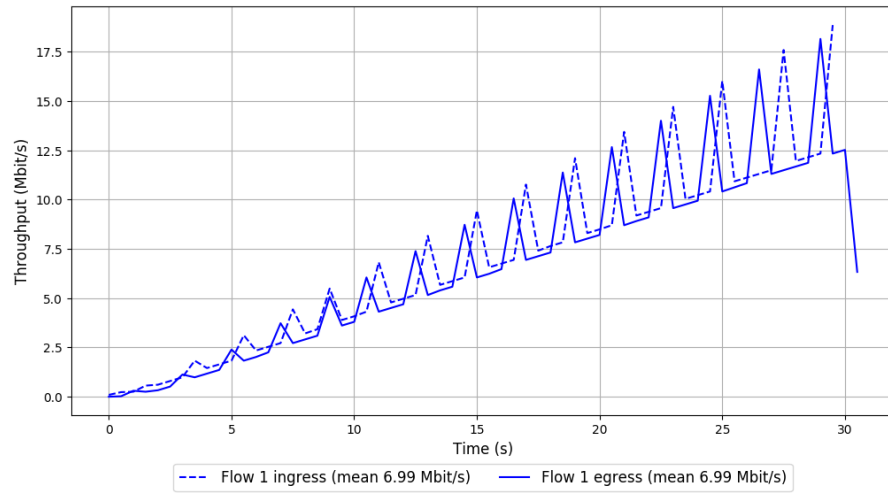


Run 10: Statistics of LEDBAT

Start at: 2018-06-29 14:54:13
End at: 2018-06-29 14:54:43
Local clock offset: 2.099 ms
Remote clock offset: -1.658 ms

Below is generated by plot.py at 2018-06-29 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 111.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 111.023 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

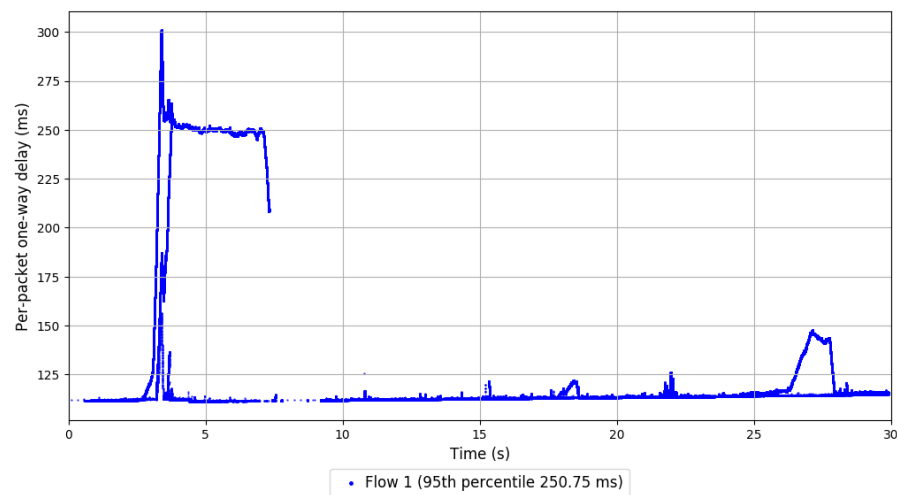
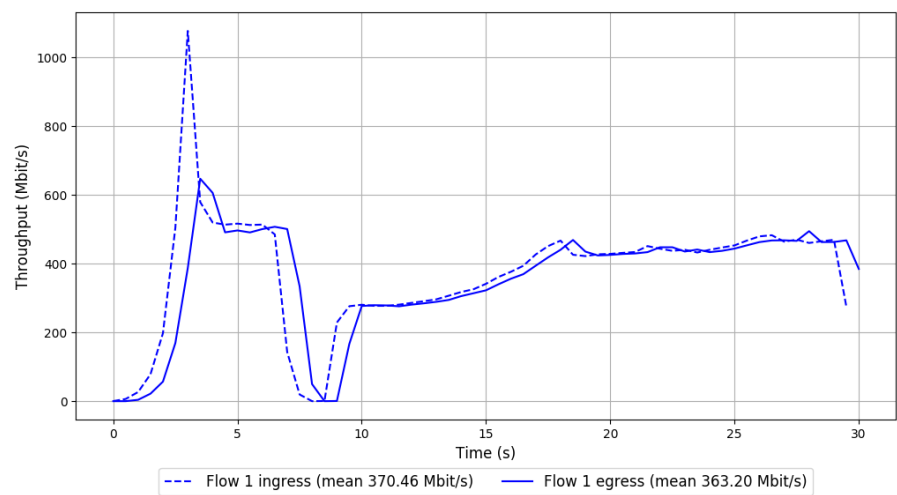


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 11:44:39
End at: 2018-06-29 11:45:09
Local clock offset: 15.239 ms
Remote clock offset: -51.146 ms

# Below is generated by plot.py at 2018-06-29 15:48:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.20 Mbit/s
95th percentile per-packet one-way delay: 250.749 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 363.20 Mbit/s
95th percentile per-packet one-way delay: 250.749 ms
Loss rate: 1.95%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 12:06:39

End at: 2018-06-29 12:07:09

Local clock offset: 19.418 ms

Remote clock offset: -32.099 ms

Below is generated by plot.py at 2018-06-29 15:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.37 Mbit/s

95th percentile per-packet one-way delay: 130.205 ms

Loss rate: 0.36%

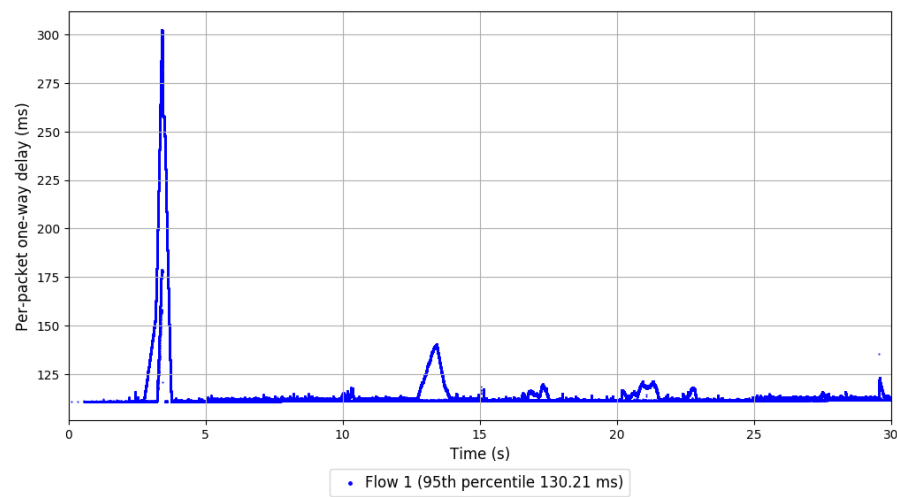
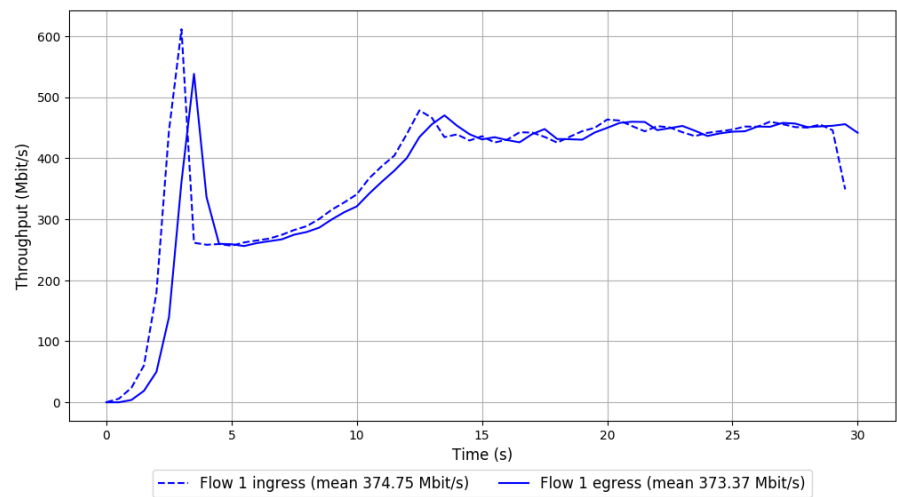
-- Flow 1:

Average throughput: 373.37 Mbit/s

95th percentile per-packet one-way delay: 130.205 ms

Loss rate: 0.36%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 12:28:09

End at: 2018-06-29 12:28:39

Local clock offset: 26.176 ms

Remote clock offset: -36.996 ms

Below is generated by plot.py at 2018-06-29 15:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.52 Mbit/s

95th percentile per-packet one-way delay: 148.246 ms

Loss rate: 0.68%

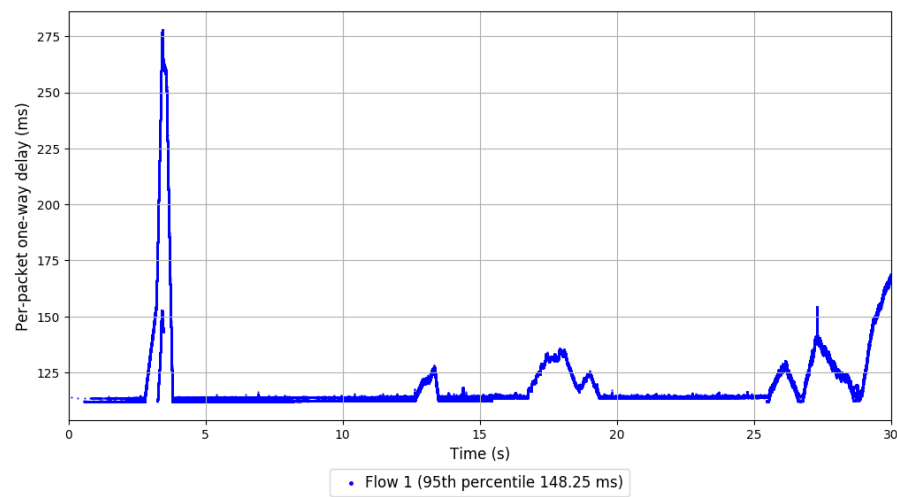
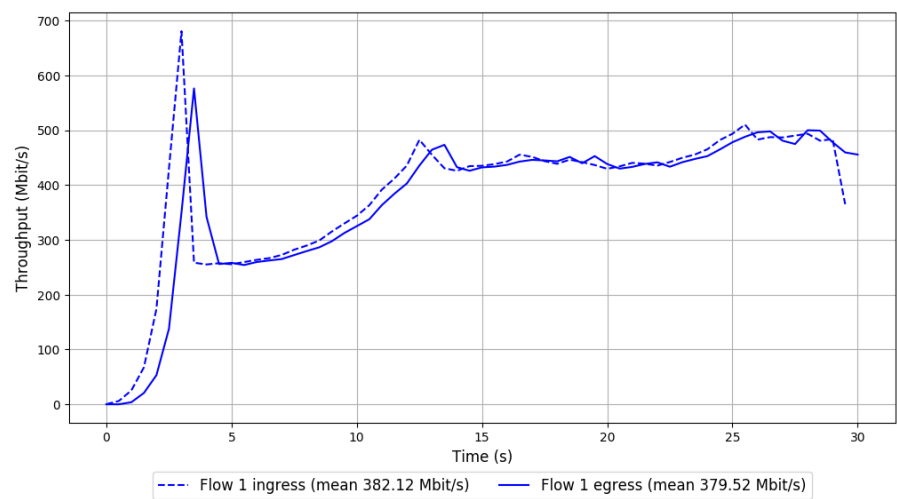
-- Flow 1:

Average throughput: 379.52 Mbit/s

95th percentile per-packet one-way delay: 148.246 ms

Loss rate: 0.68%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 12:50:04

End at: 2018-06-29 12:50:34

Local clock offset: 14.612 ms

Remote clock offset: -41.992 ms

Below is generated by plot.py at 2018-06-29 15:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.14 Mbit/s

95th percentile per-packet one-way delay: 255.494 ms

Loss rate: 2.98%

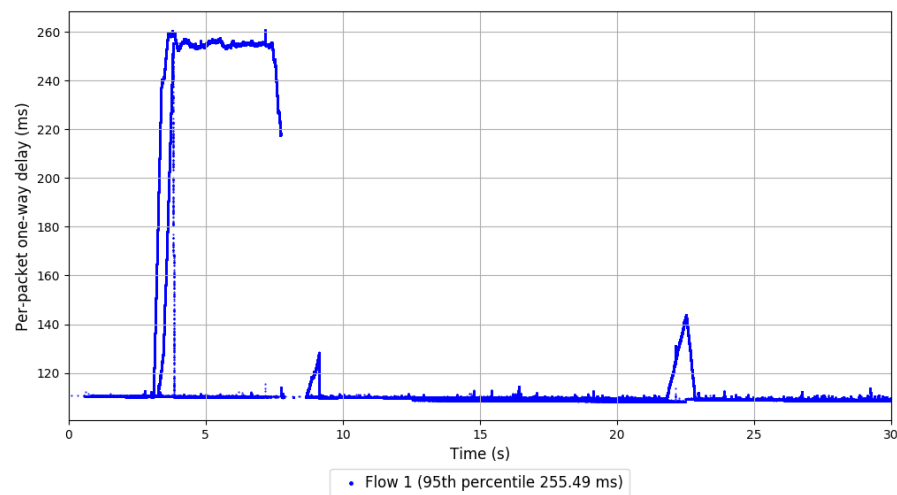
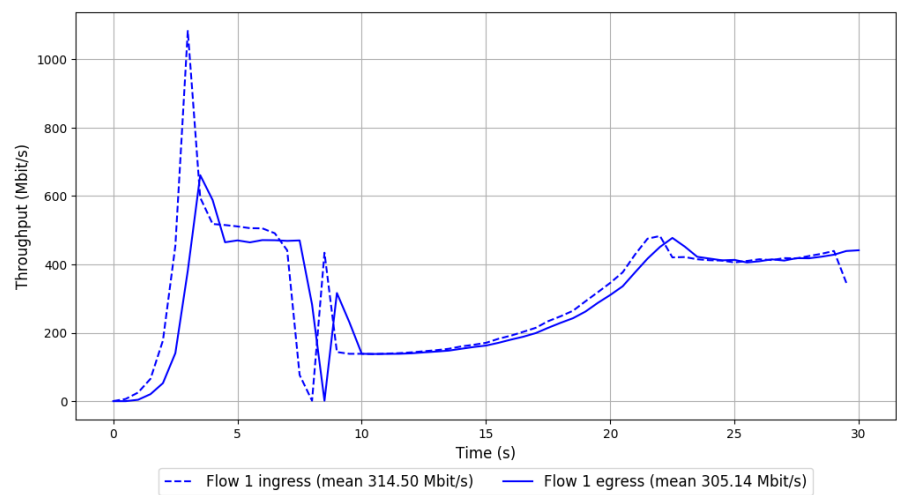
-- Flow 1:

Average throughput: 305.14 Mbit/s

95th percentile per-packet one-way delay: 255.494 ms

Loss rate: 2.98%

Run 4: Report of PCC-Allegro — Data Link

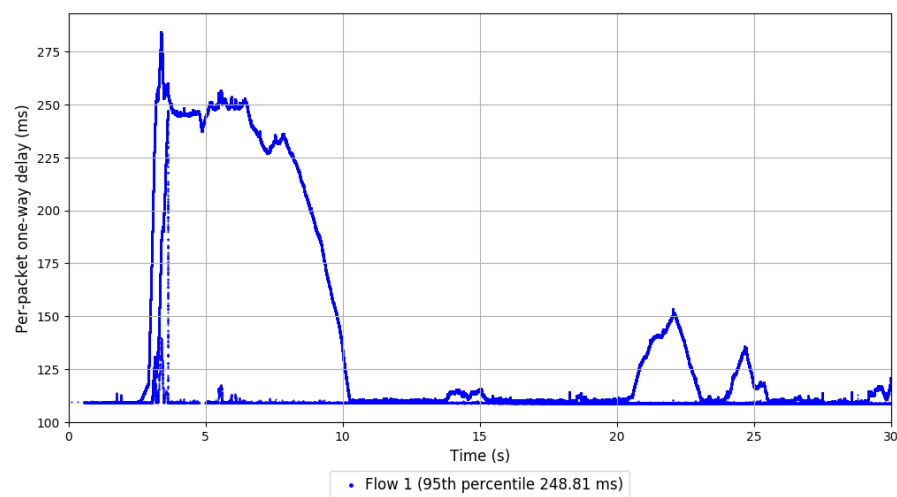
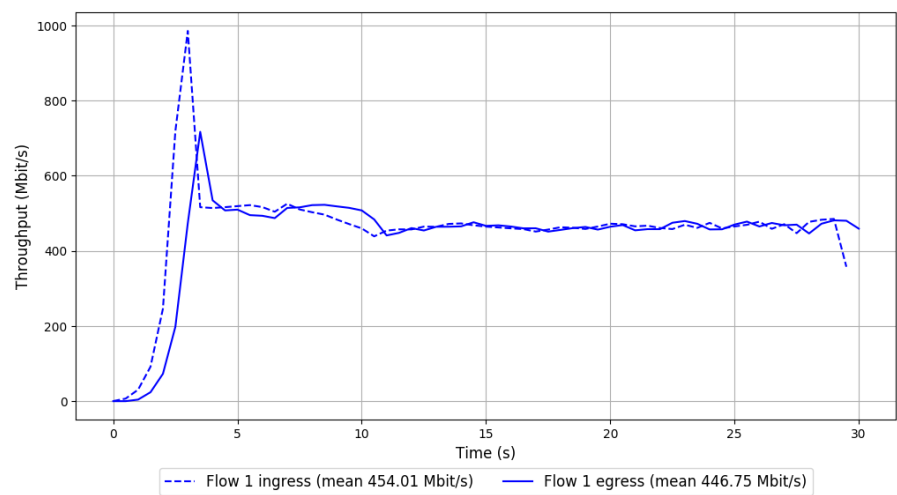


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 13:11:57
End at: 2018-06-29 13:12:27
Local clock offset: 17.483 ms
Remote clock offset: -27.02 ms

Below is generated by plot.py at 2018-06-29 15:49:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 446.75 Mbit/s
95th percentile per-packet one-way delay: 248.812 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 446.75 Mbit/s
95th percentile per-packet one-way delay: 248.812 ms
Loss rate: 1.59%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 13:34:08

End at: 2018-06-29 13:34:38

Local clock offset: 5.524 ms

Remote clock offset: -8.434 ms

Below is generated by plot.py at 2018-06-29 15:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.87 Mbit/s

95th percentile per-packet one-way delay: 131.358 ms

Loss rate: 0.40%

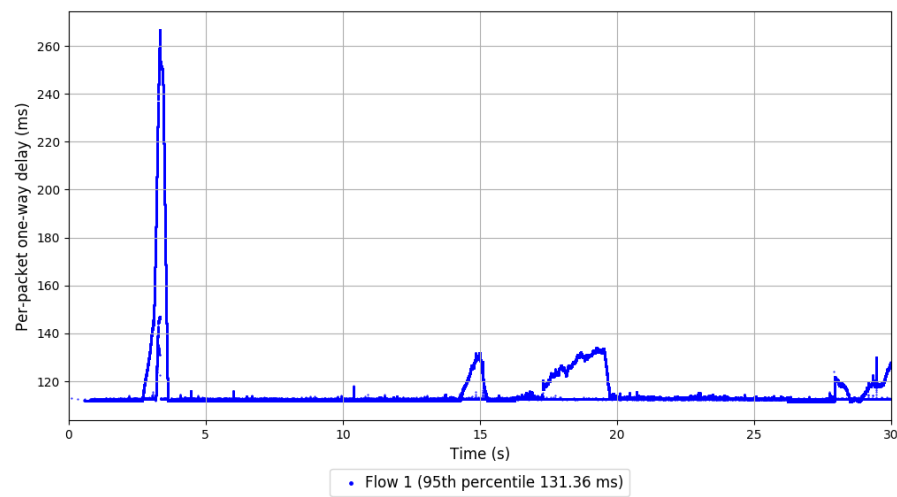
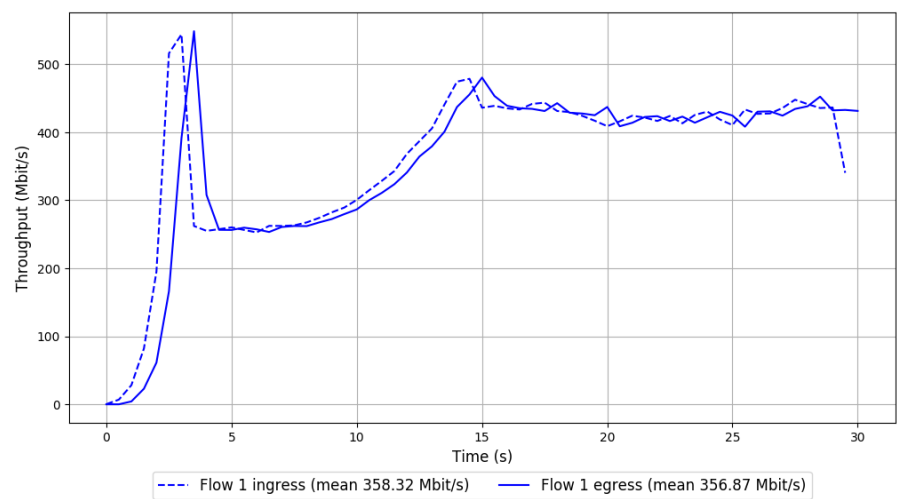
-- Flow 1:

Average throughput: 356.87 Mbit/s

95th percentile per-packet one-way delay: 131.358 ms

Loss rate: 0.40%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 13:56:02

End at: 2018-06-29 13:56:32

Local clock offset: 1.845 ms

Remote clock offset: -6.01 ms

Below is generated by plot.py at 2018-06-29 15:50:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.42 Mbit/s

95th percentile per-packet one-way delay: 257.258 ms

Loss rate: 2.01%

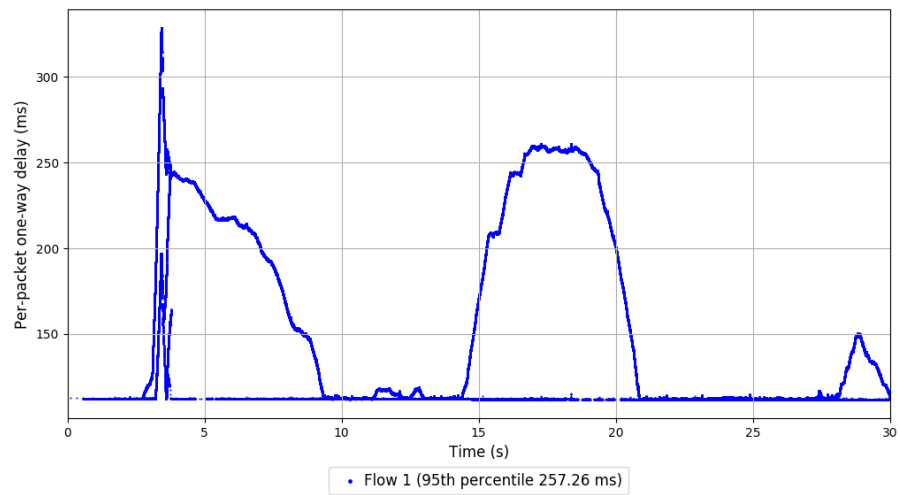
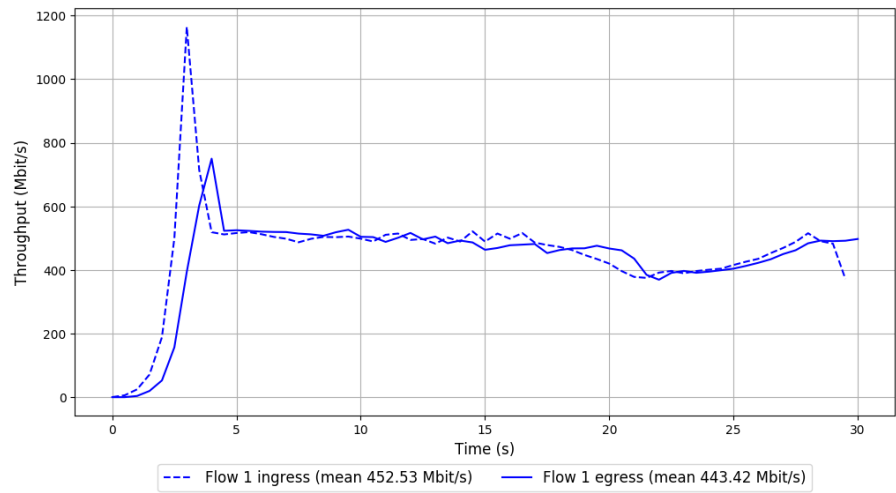
-- Flow 1:

Average throughput: 443.42 Mbit/s

95th percentile per-packet one-way delay: 257.258 ms

Loss rate: 2.01%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 14:18:07

End at: 2018-06-29 14:18:37

Local clock offset: 1.919 ms

Remote clock offset: -2.693 ms

Below is generated by plot.py at 2018-06-29 15:51:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.27 Mbit/s

95th percentile per-packet one-way delay: 190.629 ms

Loss rate: 1.09%

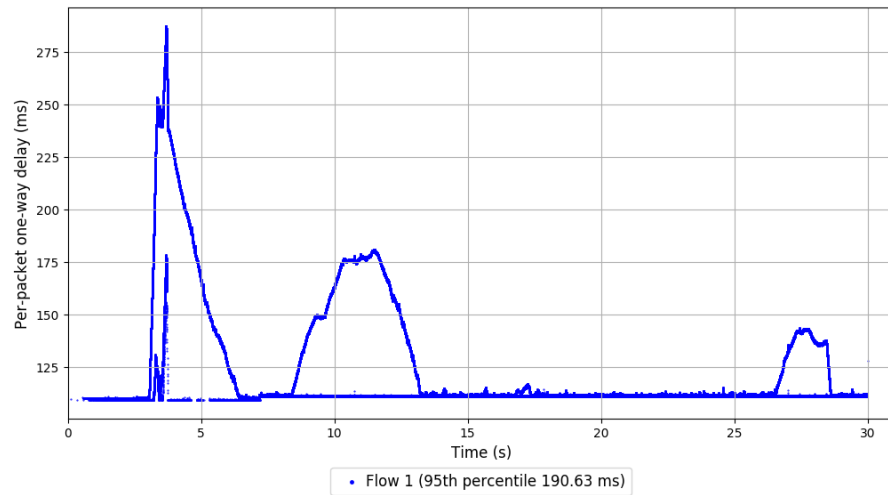
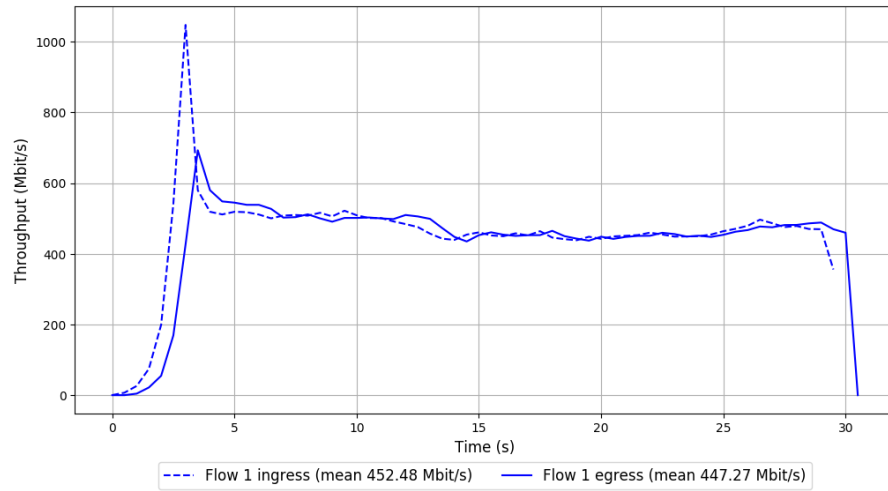
-- Flow 1:

Average throughput: 447.27 Mbit/s

95th percentile per-packet one-way delay: 190.629 ms

Loss rate: 1.09%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-29 14:40:13

End at: 2018-06-29 14:40:43

Local clock offset: 0.422 ms

Remote clock offset: -1.309 ms

Below is generated by plot.py at 2018-06-29 15:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.82 Mbit/s

95th percentile per-packet one-way delay: 204.501 ms

Loss rate: 0.40%

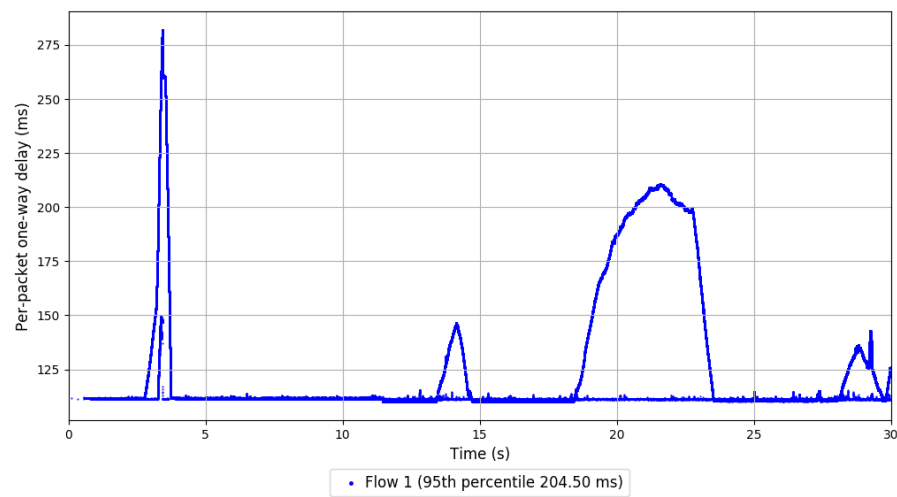
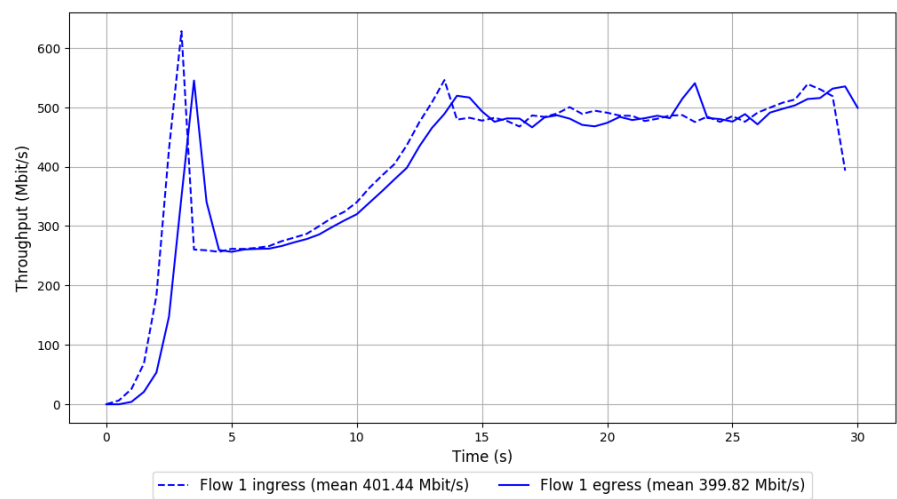
-- Flow 1:

Average throughput: 399.82 Mbit/s

95th percentile per-packet one-way delay: 204.501 ms

Loss rate: 0.40%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-29 15:01:33

End at: 2018-06-29 15:02:03

Local clock offset: 0.627 ms

Remote clock offset: -1.885 ms

Below is generated by plot.py at 2018-06-29 15:55:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.68 Mbit/s

95th percentile per-packet one-way delay: 225.123 ms

Loss rate: 1.07%

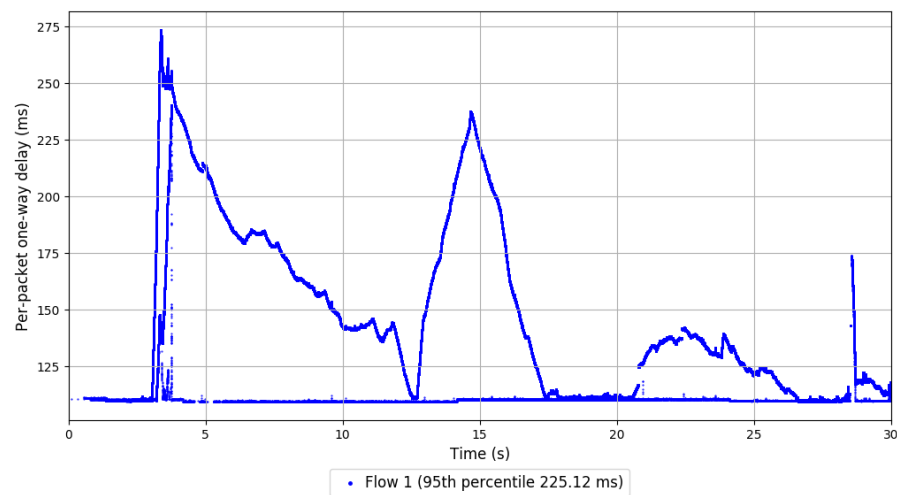
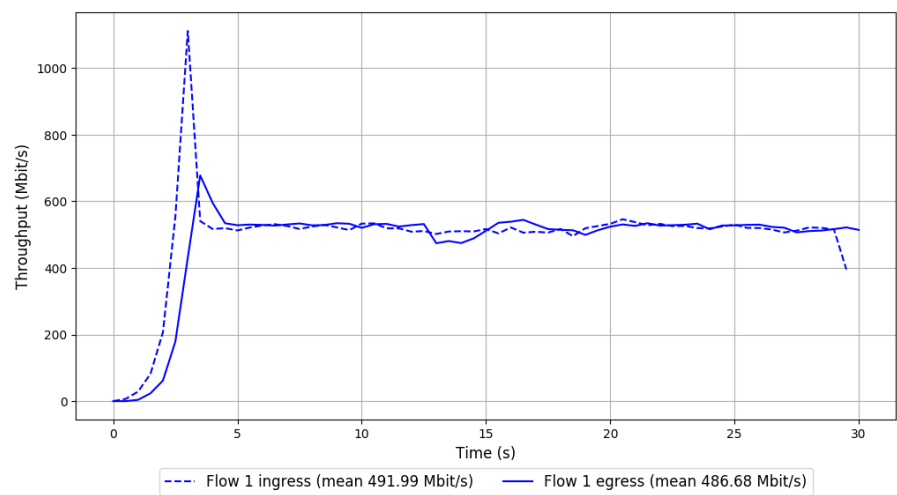
-- Flow 1:

Average throughput: 486.68 Mbit/s

95th percentile per-packet one-way delay: 225.123 ms

Loss rate: 1.07%

Run 10: Report of PCC-Allegro — Data Link

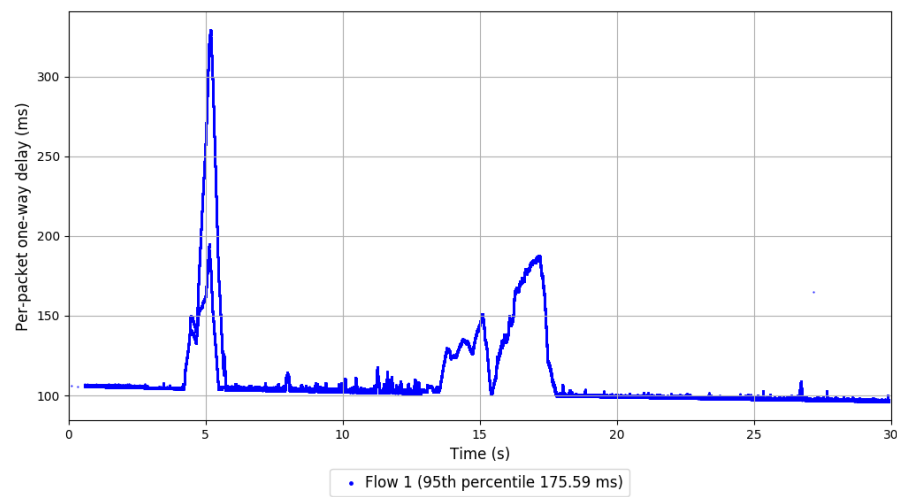
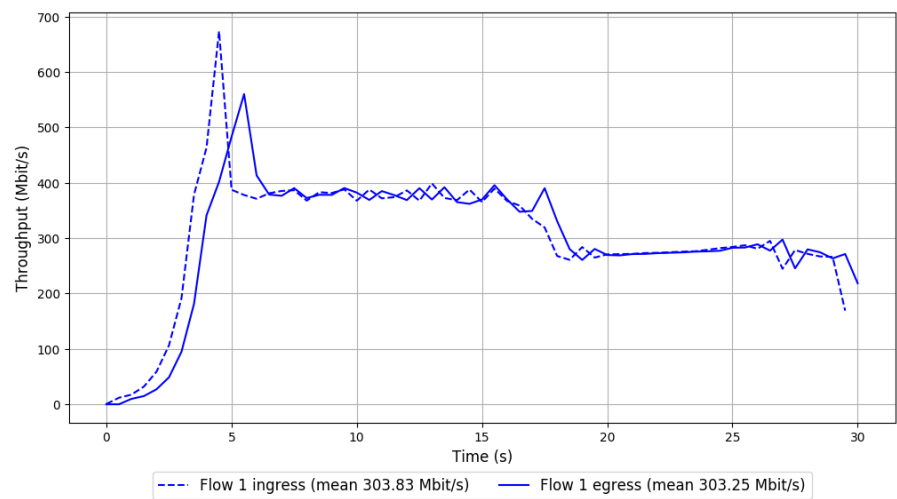


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 11:46:01
End at: 2018-06-29 11:46:31
Local clock offset: 15.006 ms
Remote clock offset: -56.107 ms

# Below is generated by plot.py at 2018-06-29 15:57:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 303.25 Mbit/s
95th percentile per-packet one-way delay: 175.587 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 303.25 Mbit/s
95th percentile per-packet one-way delay: 175.587 ms
Loss rate: 0.22%
```


Run 1: Report of PCC-Expr — Data Link

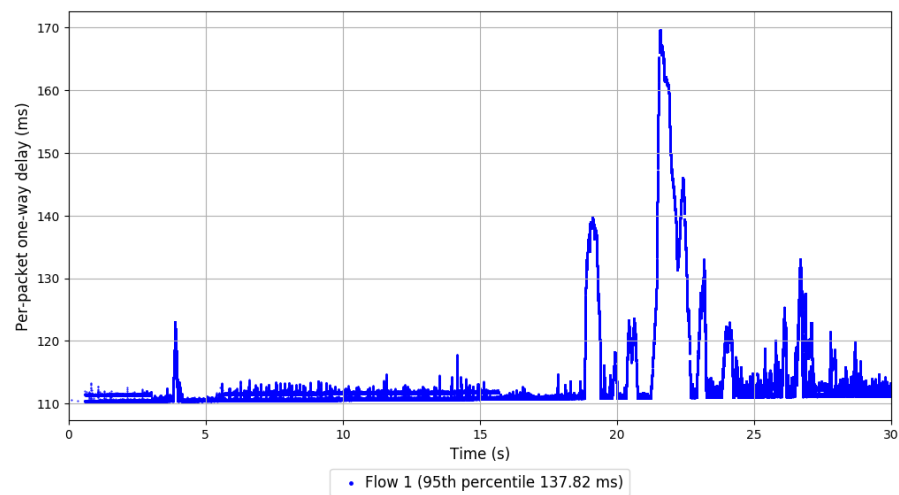
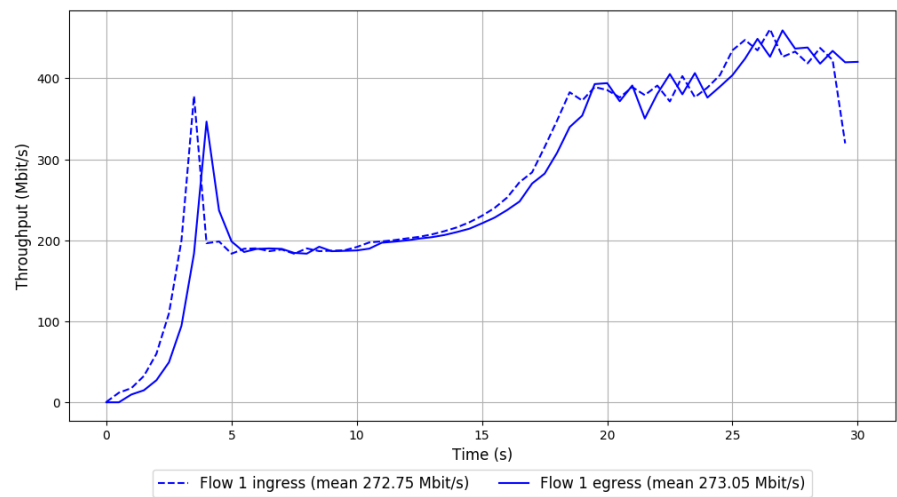


Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 12:08:01
End at: 2018-06-29 12:08:31
Local clock offset: 18.795 ms
Remote clock offset: -35.239 ms

Below is generated by plot.py at 2018-06-29 15:57:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.05 Mbit/s
95th percentile per-packet one-way delay: 137.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 273.05 Mbit/s
95th percentile per-packet one-way delay: 137.822 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

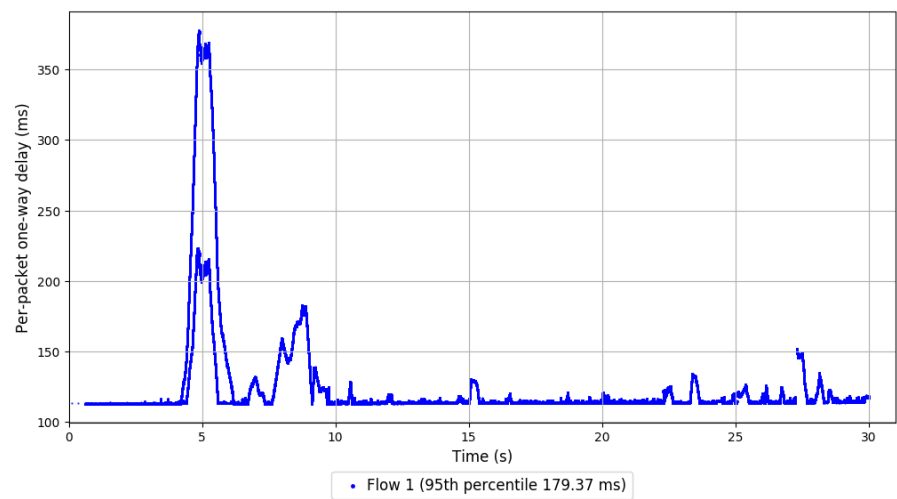
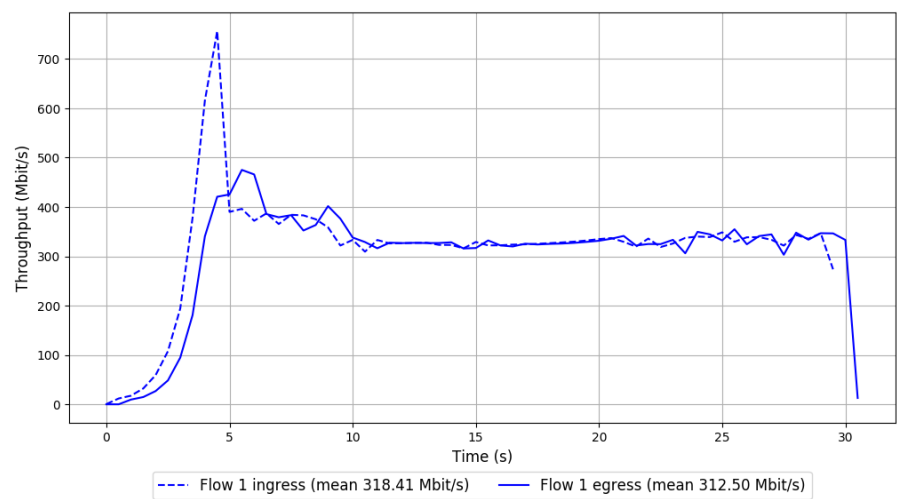


Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 12:29:31
End at: 2018-06-29 12:30:01
Local clock offset: 27.578 ms
Remote clock offset: -38.616 ms

Below is generated by plot.py at 2018-06-29 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.50 Mbit/s
95th percentile per-packet one-way delay: 179.366 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 312.50 Mbit/s
95th percentile per-packet one-way delay: 179.366 ms
Loss rate: 1.85%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 12:51:24

End at: 2018-06-29 12:51:54

Local clock offset: 15.509 ms

Remote clock offset: -37.9 ms

Below is generated by plot.py at 2018-06-29 15:58:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.87 Mbit/s

95th percentile per-packet one-way delay: 223.951 ms

Loss rate: 2.16%

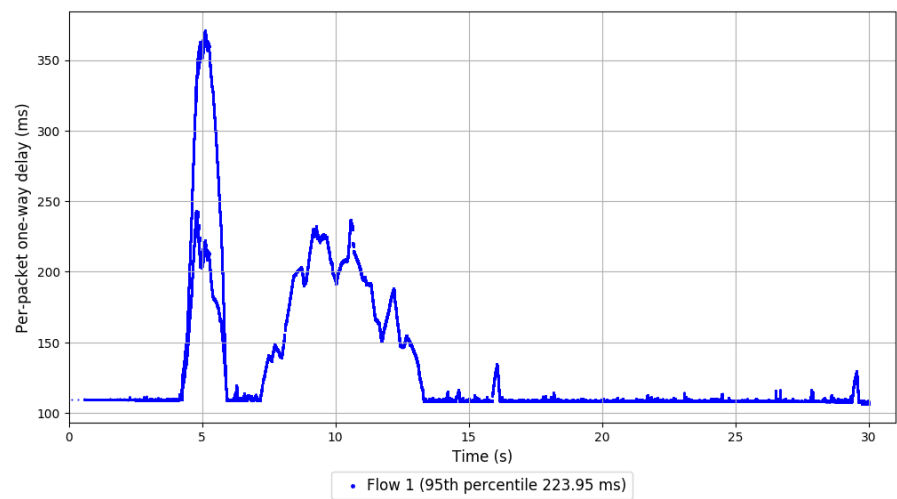
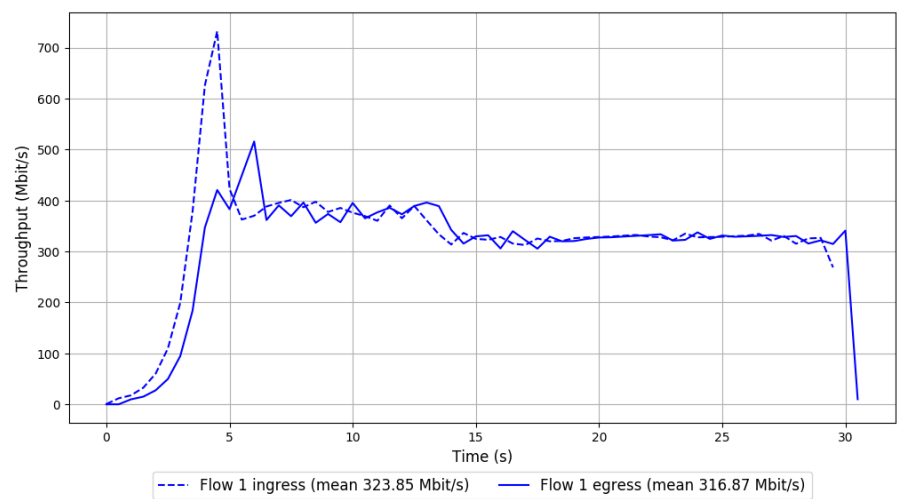
-- Flow 1:

Average throughput: 316.87 Mbit/s

95th percentile per-packet one-way delay: 223.951 ms

Loss rate: 2.16%

Run 4: Report of PCC-Expr — Data Link

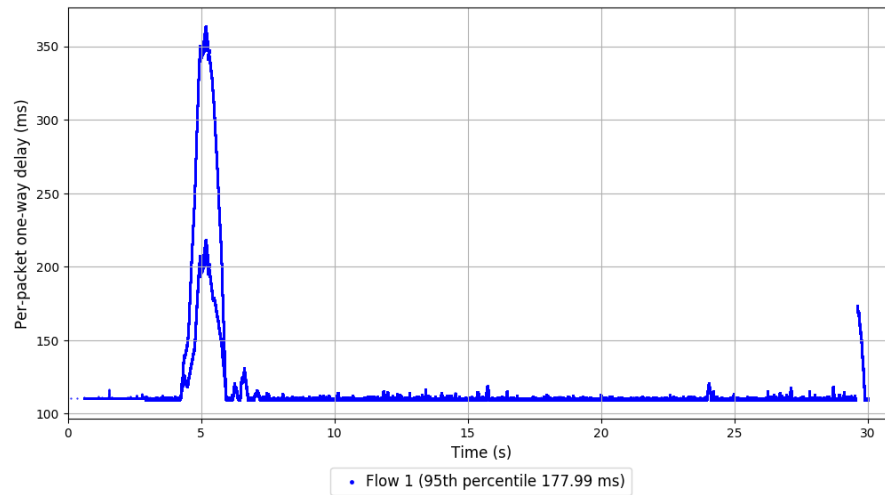
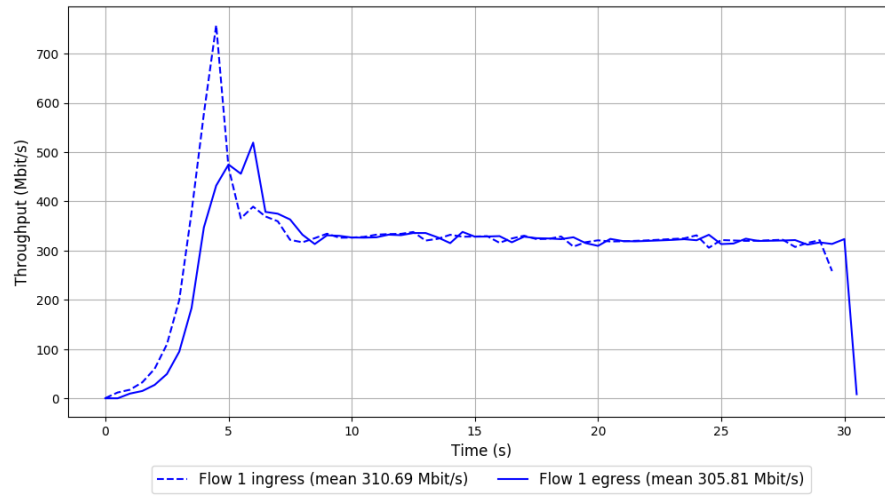


Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 13:13:21
End at: 2018-06-29 13:13:51
Local clock offset: 14.903 ms
Remote clock offset: -27.916 ms

Below is generated by plot.py at 2018-06-29 15:59:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 305.81 Mbit/s
95th percentile per-packet one-way delay: 177.994 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 305.81 Mbit/s
95th percentile per-packet one-way delay: 177.994 ms
Loss rate: 1.57%

Run 5: Report of PCC-Expr — Data Link

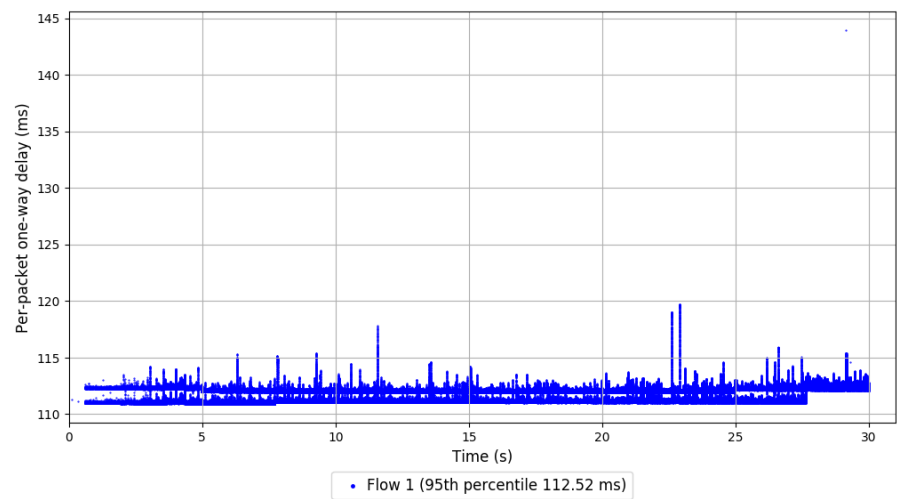
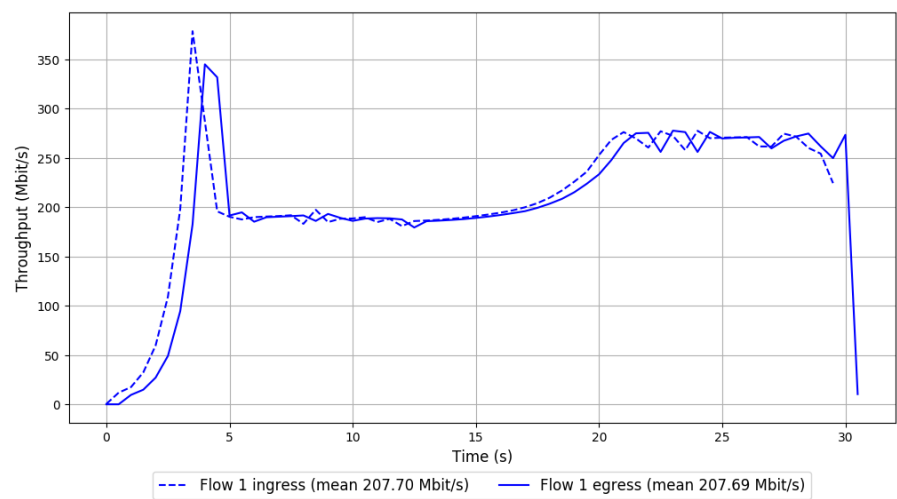


Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 13:35:29
End at: 2018-06-29 13:35:59
Local clock offset: 5.846 ms
Remote clock offset: -8.231 ms

Below is generated by plot.py at 2018-06-29 15:59:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.69 Mbit/s
95th percentile per-packet one-way delay: 112.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.69 Mbit/s
95th percentile per-packet one-way delay: 112.520 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

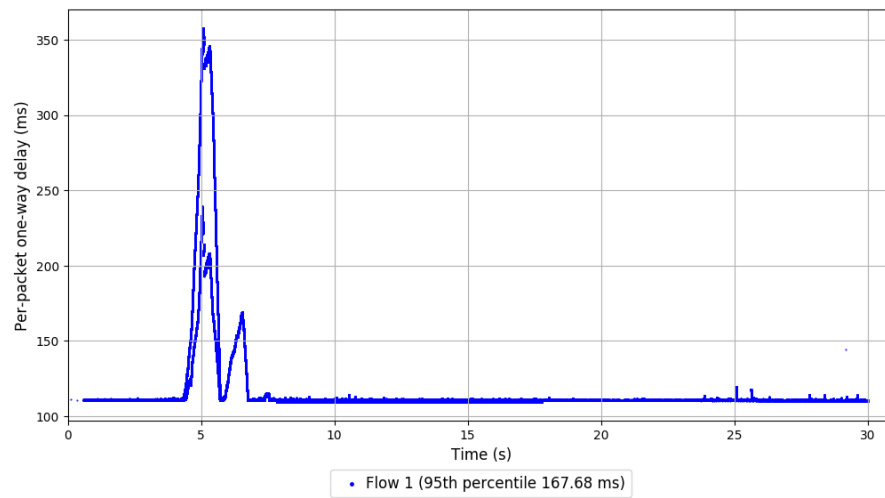
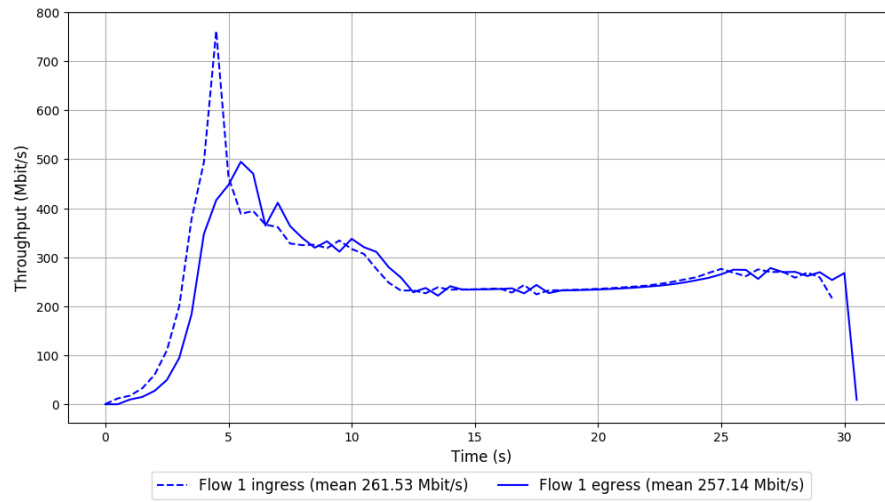


Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 13:57:26
End at: 2018-06-29 13:57:56
Local clock offset: 2.953 ms
Remote clock offset: -5.258 ms

Below is generated by plot.py at 2018-06-29 16:02:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.14 Mbit/s
95th percentile per-packet one-way delay: 167.676 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 257.14 Mbit/s
95th percentile per-packet one-way delay: 167.676 ms
Loss rate: 1.68%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-29 14:19:32

End at: 2018-06-29 14:20:02

Local clock offset: 1.976 ms

Remote clock offset: -2.767 ms

Below is generated by plot.py at 2018-06-29 16:03:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.03 Mbit/s

95th percentile per-packet one-way delay: 148.711 ms

Loss rate: 0.00%

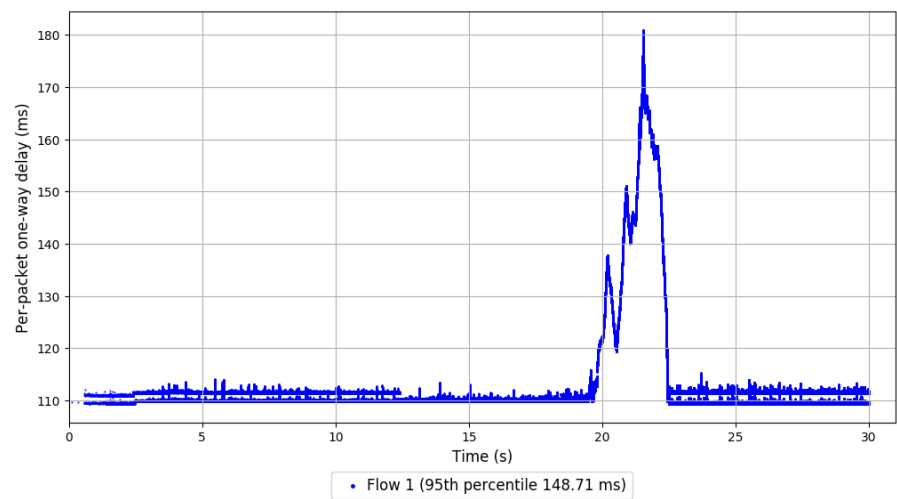
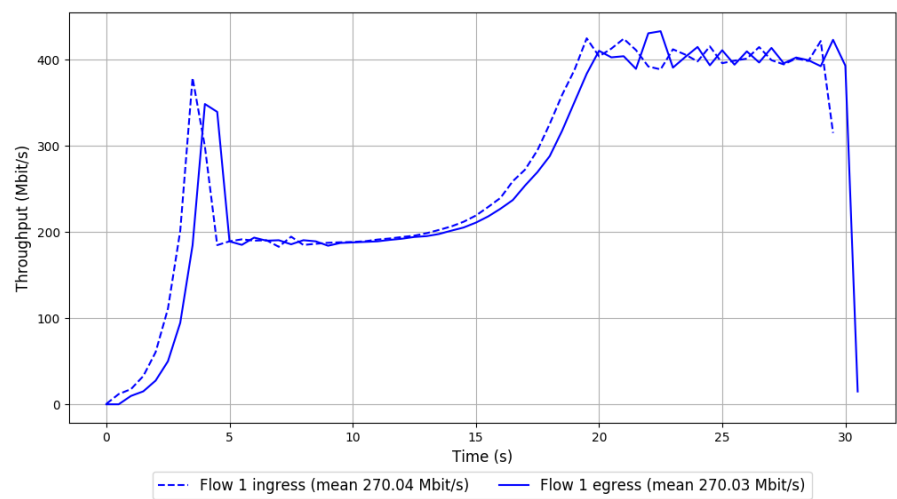
-- Flow 1:

Average throughput: 270.03 Mbit/s

95th percentile per-packet one-way delay: 148.711 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

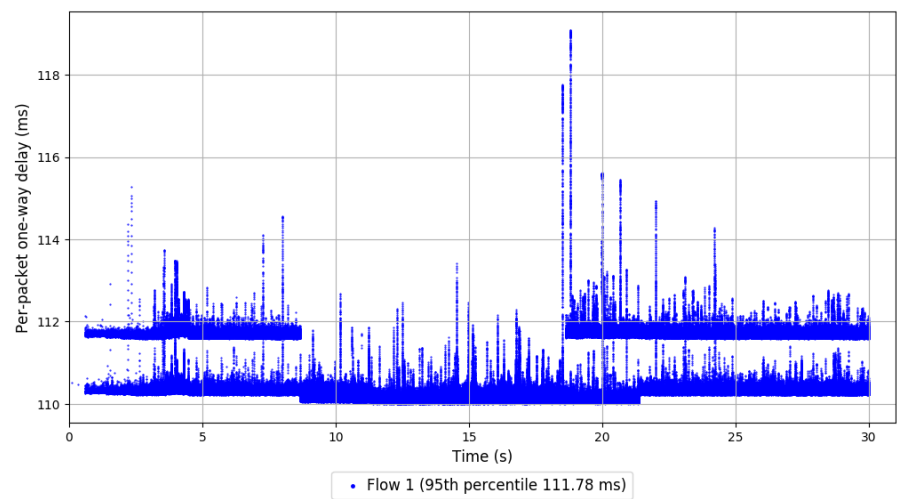
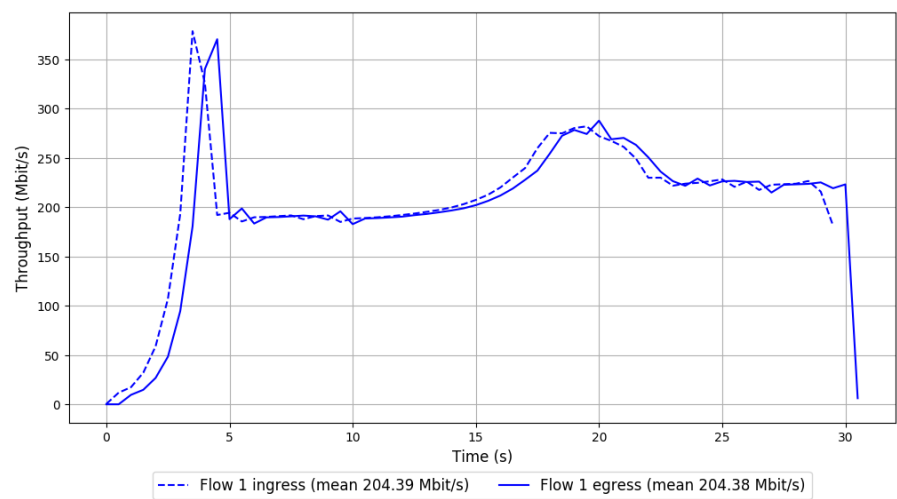


Run 9: Statistics of PCC-Expr

Start at: 2018-06-29 14:41:35
End at: 2018-06-29 14:42:05
Local clock offset: 0.445 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2018-06-29 16:03:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.38 Mbit/s
95th percentile per-packet one-way delay: 111.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.38 Mbit/s
95th percentile per-packet one-way delay: 111.775 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

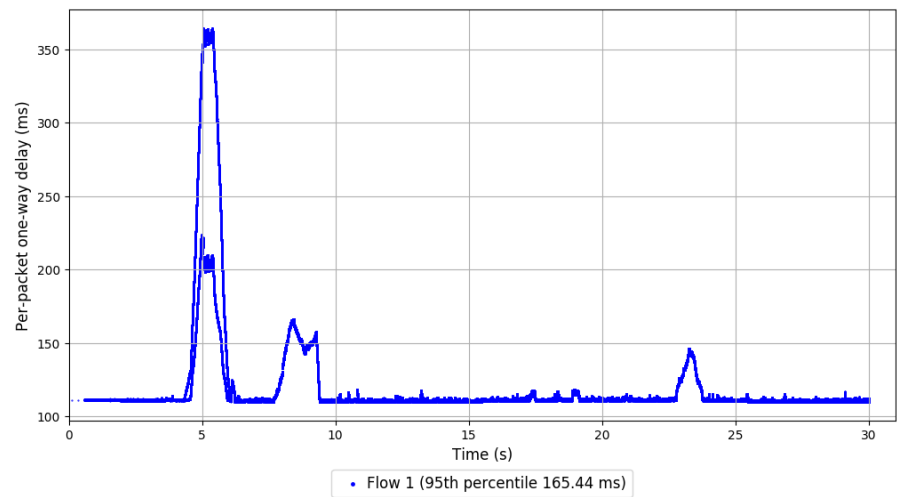
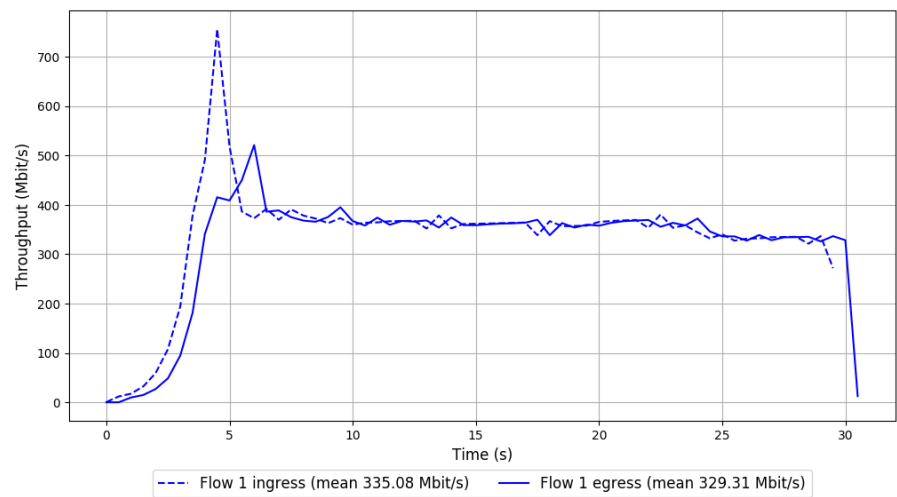


Run 10: Statistics of PCC-Expr

Start at: 2018-06-29 15:02:59
End at: 2018-06-29 15:03:29
Local clock offset: 0.317 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.31 Mbit/s
95th percentile per-packet one-way delay: 165.440 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 329.31 Mbit/s
95th percentile per-packet one-way delay: 165.440 ms
Loss rate: 1.72%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

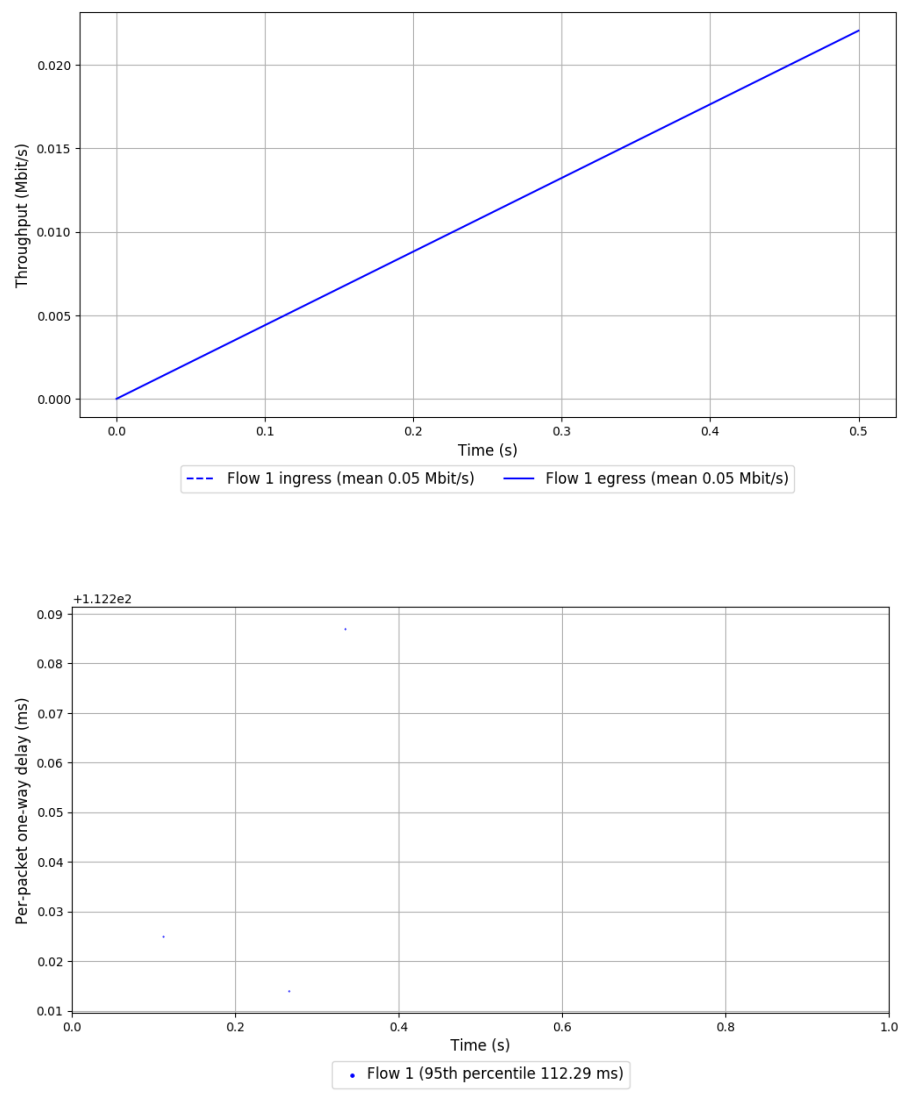
Start at: 2018-06-29 11:40:51

End at: 2018-06-29 11:41:21

Local clock offset: 8.509 ms

Remote clock offset: -31.647 ms

Run 1: Report of QUIC Cubic — Data Link

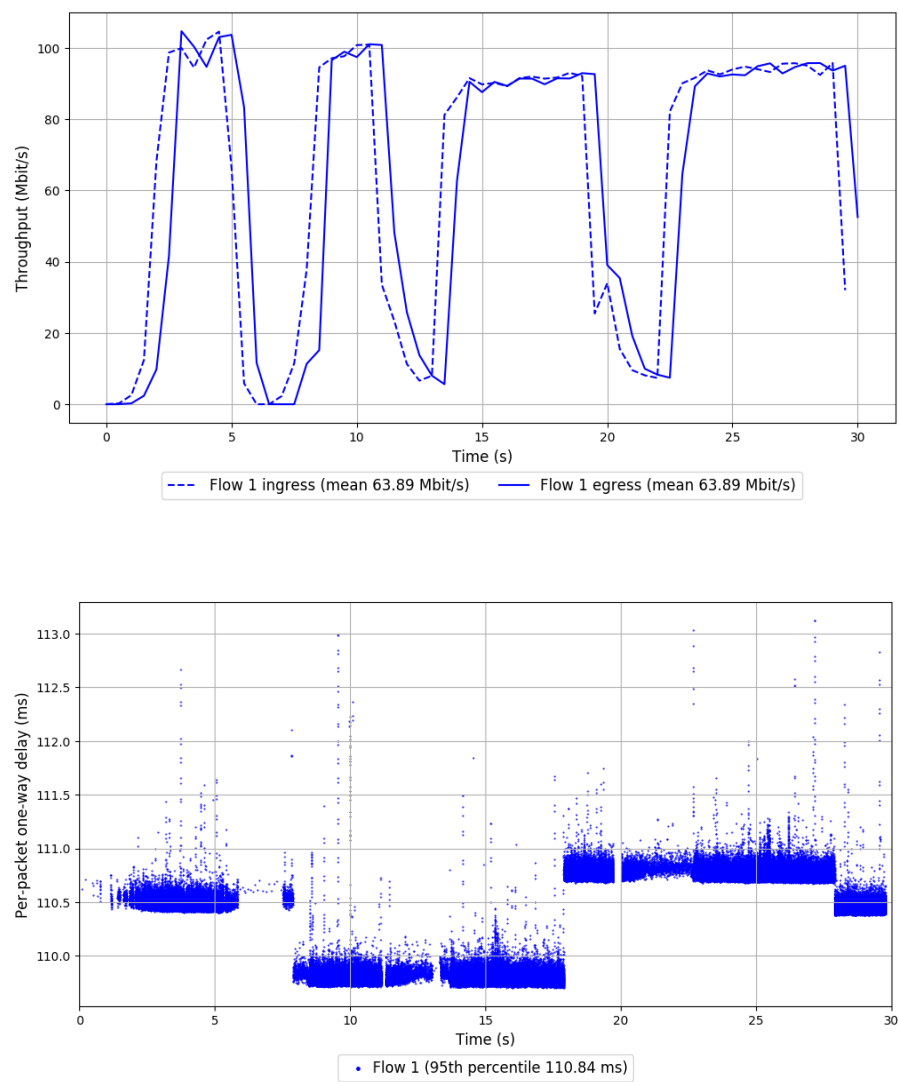


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 12:02:46
End at: 2018-06-29 12:03:16
Local clock offset: 25.052 ms
Remote clock offset: -24.934 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 110.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 110.836 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

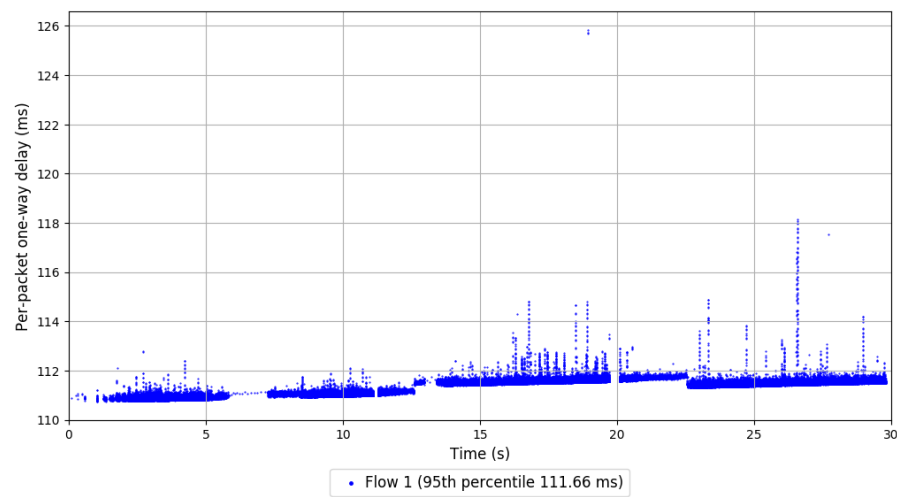
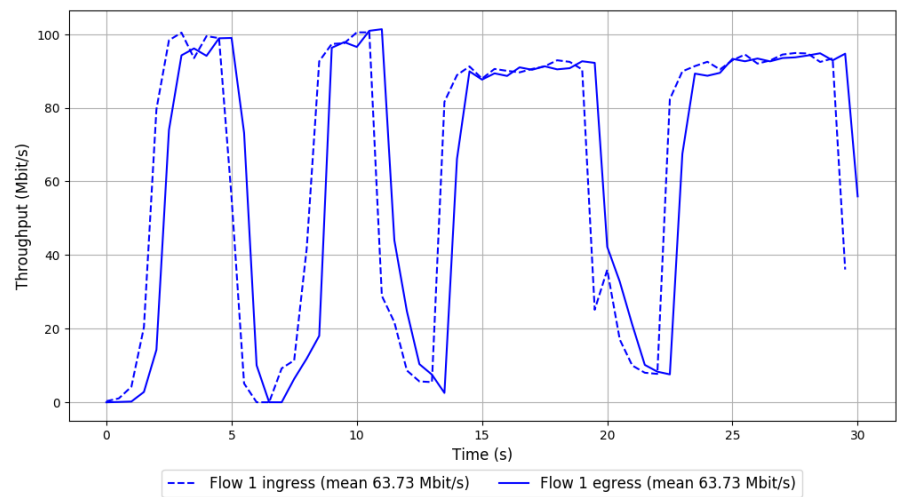


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 12:24:14
End at: 2018-06-29 12:24:44
Local clock offset: 24.51 ms
Remote clock offset: -33.612 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 111.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 111.655 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

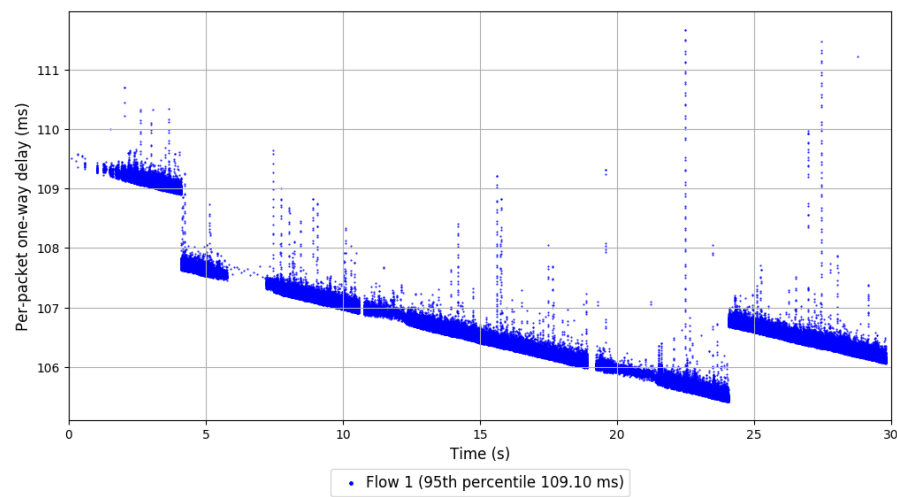
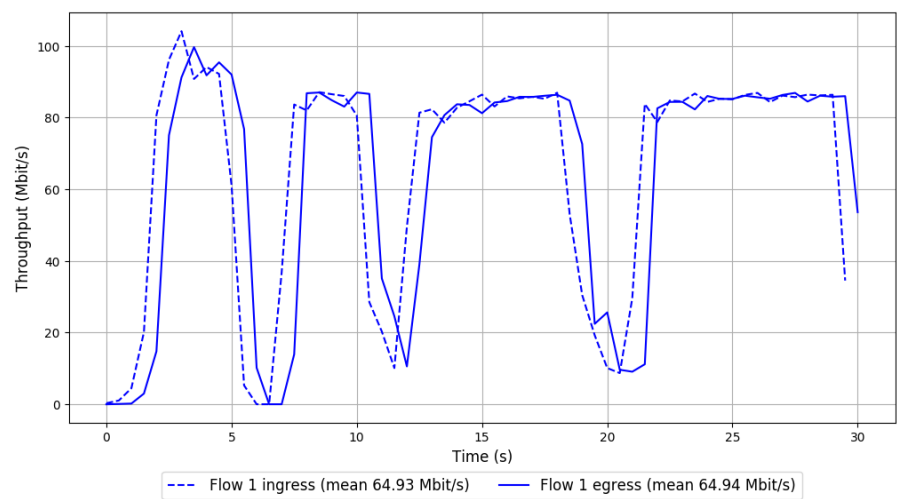


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 12:46:10
End at: 2018-06-29 12:46:40
Local clock offset: 17.26 ms
Remote clock offset: -61.162 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 109.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 109.097 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

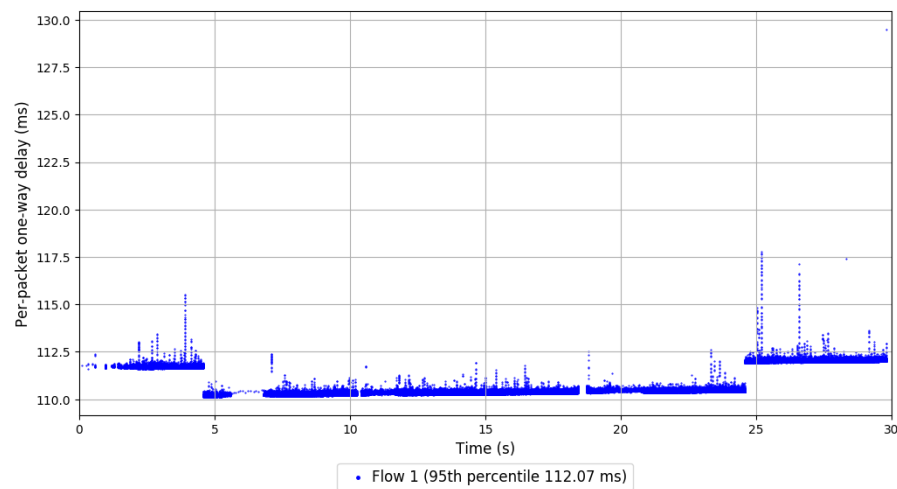
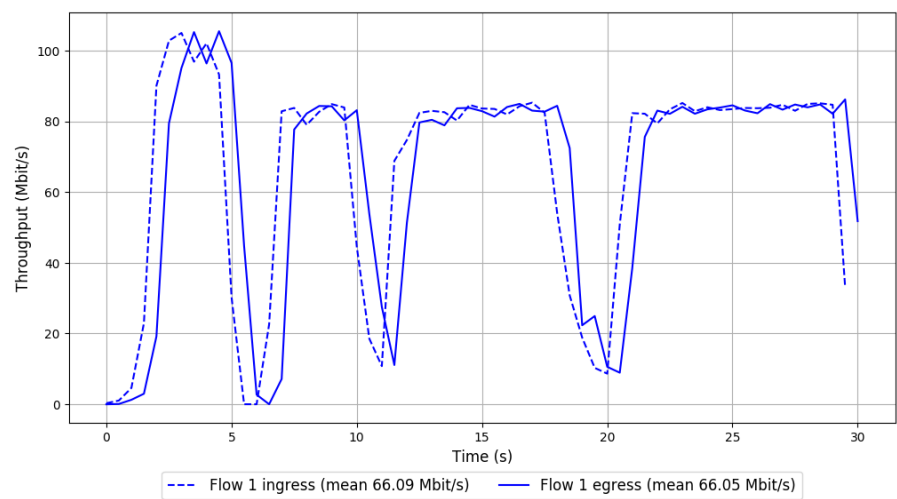


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 13:08:02
End at: 2018-06-29 13:08:32
Local clock offset: 16.925 ms
Remote clock offset: -25.131 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 112.071 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 112.071 ms
Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link

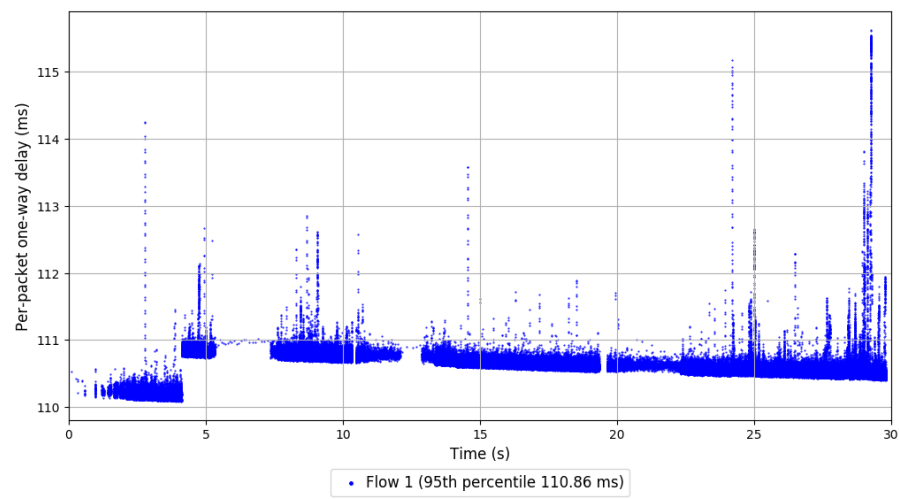
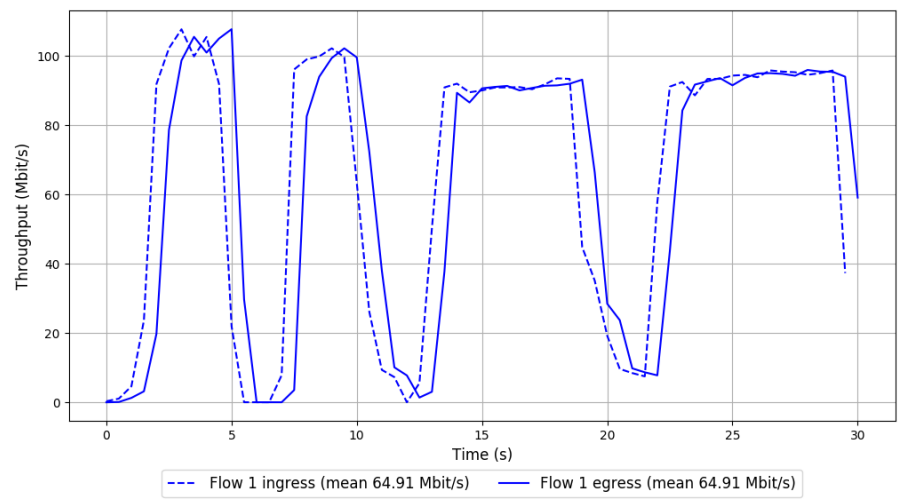


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 13:30:12
End at: 2018-06-29 13:30:42
Local clock offset: 6.48 ms
Remote clock offset: -11.532 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 110.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 110.861 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

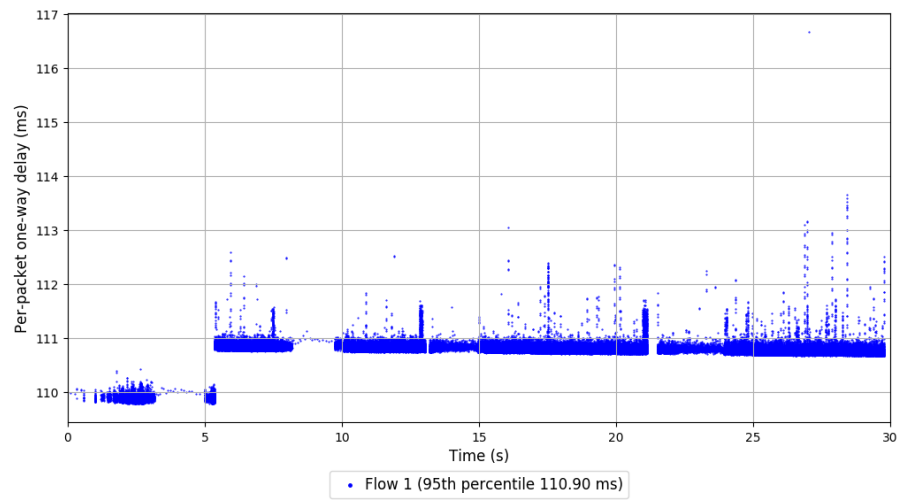
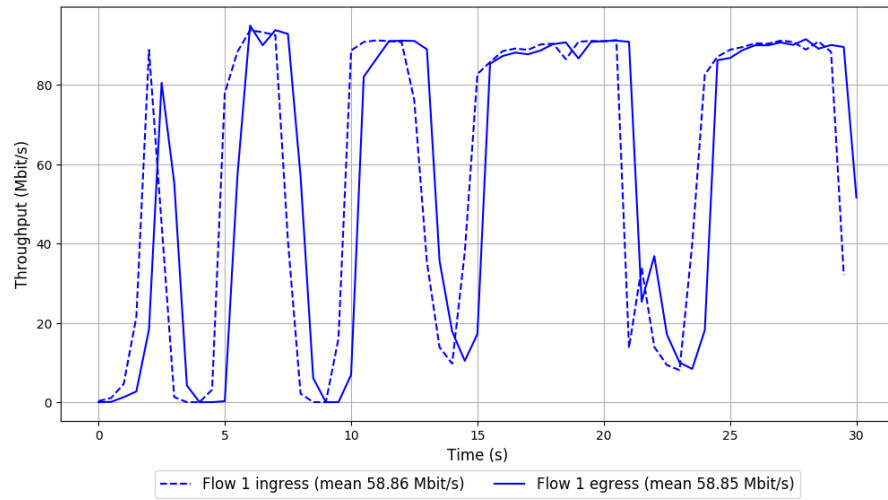


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 13:52:09
End at: 2018-06-29 13:52:39
Local clock offset: 4.231 ms
Remote clock offset: -7.243 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 110.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 110.900 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-29 14:14:13

End at: 2018-06-29 14:14:43

Local clock offset: 1.554 ms

Remote clock offset: -2.579 ms

Below is generated by plot.py at 2018-06-29 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.91 Mbit/s

95th percentile per-packet one-way delay: 110.565 ms

Loss rate: 0.00%

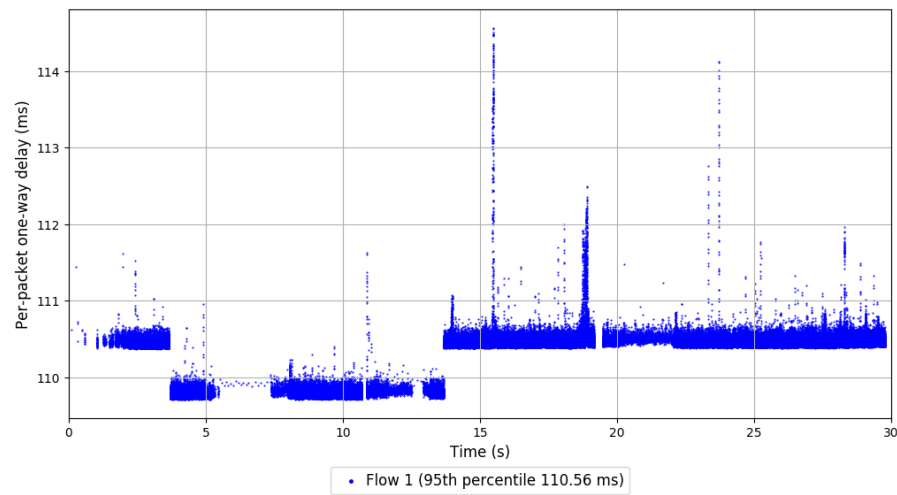
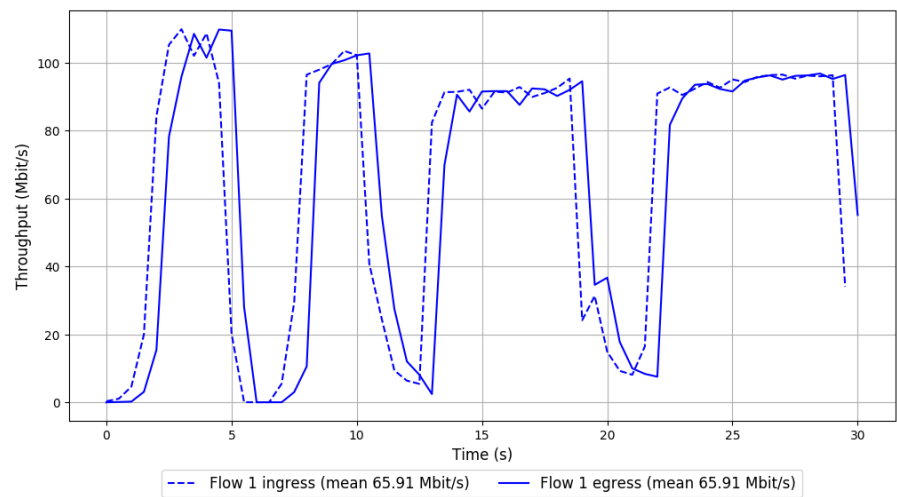
-- Flow 1:

Average throughput: 65.91 Mbit/s

95th percentile per-packet one-way delay: 110.565 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-29 14:36:17

End at: 2018-06-29 14:36:47

Local clock offset: 1.715 ms

Remote clock offset: -2.019 ms

Below is generated by plot.py at 2018-06-29 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.31 Mbit/s

95th percentile per-packet one-way delay: 109.517 ms

Loss rate: 0.00%

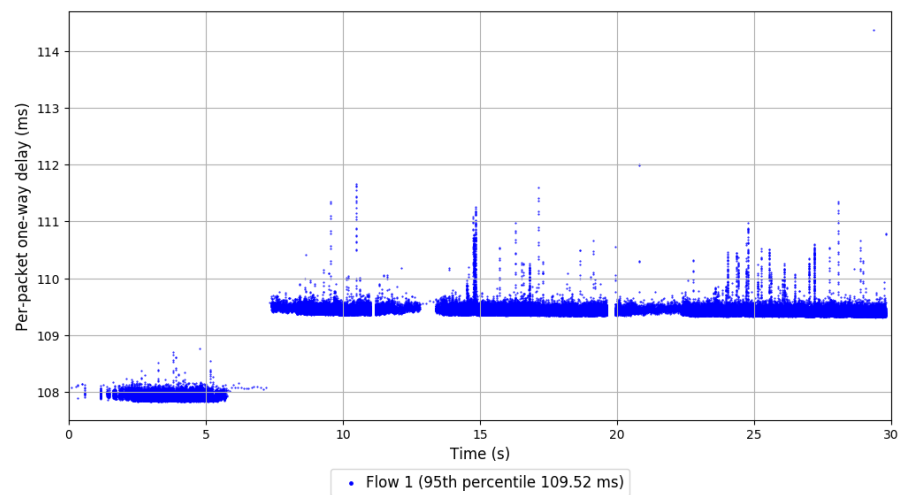
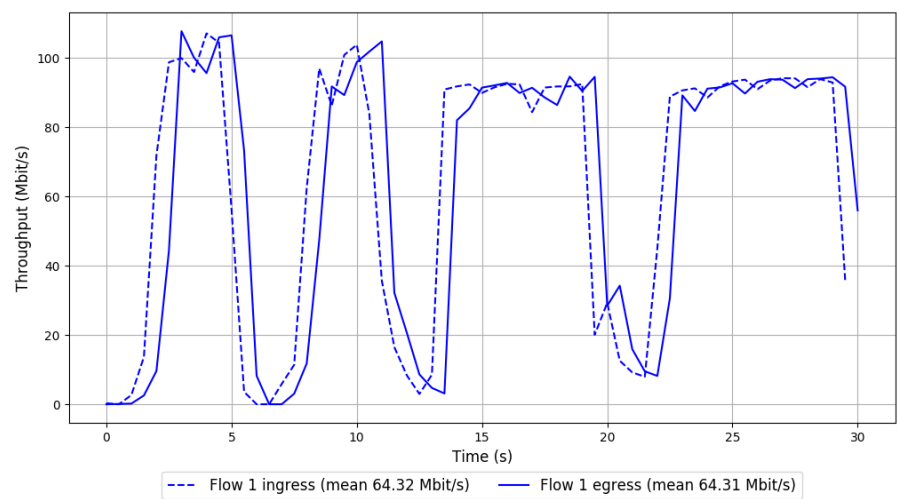
-- Flow 1:

Average throughput: 64.31 Mbit/s

95th percentile per-packet one-way delay: 109.517 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-29 14:57:38

End at: 2018-06-29 14:58:08

Local clock offset: 0.672 ms

Remote clock offset: -1.786 ms

Below is generated by plot.py at 2018-06-29 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.27 Mbit/s

95th percentile per-packet one-way delay: 109.684 ms

Loss rate: 0.00%

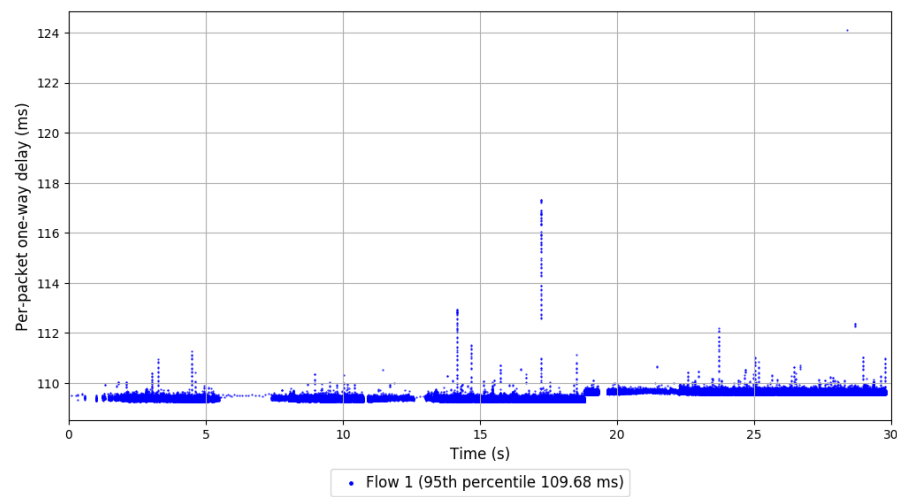
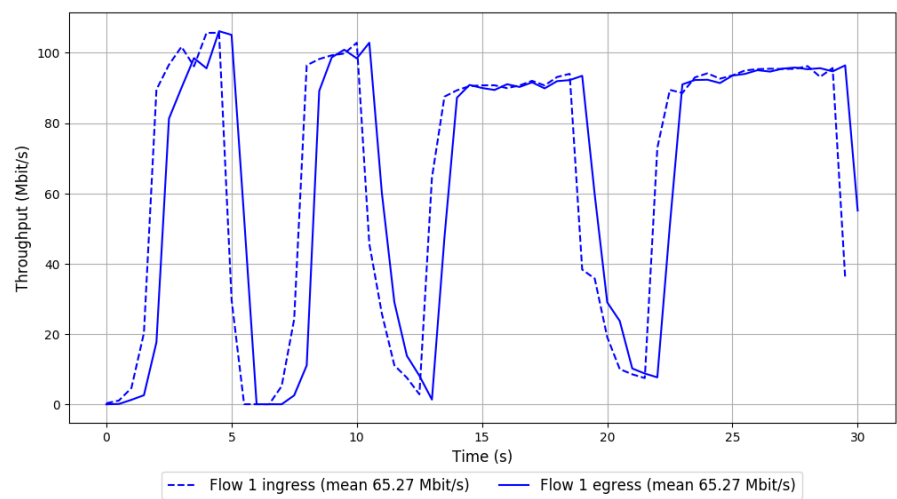
-- Flow 1:

Average throughput: 65.27 Mbit/s

95th percentile per-packet one-way delay: 109.684 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

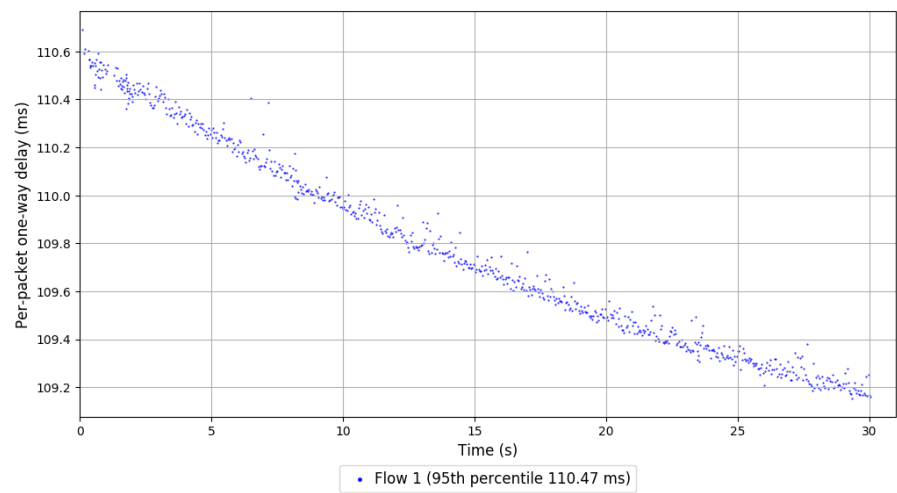
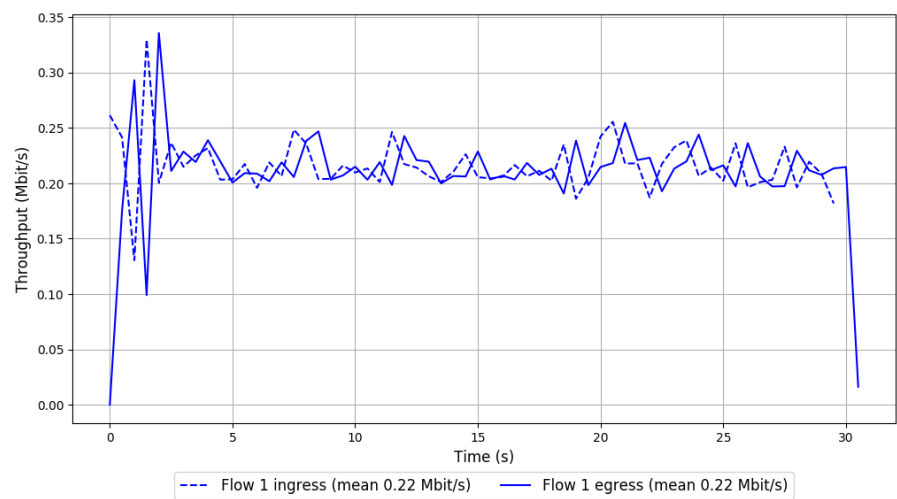


Run 1: Statistics of SCReAM

Start at: 2018-06-29 11:38:24
End at: 2018-06-29 11:38:54
Local clock offset: 8.738 ms
Remote clock offset: -30.729 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.474 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

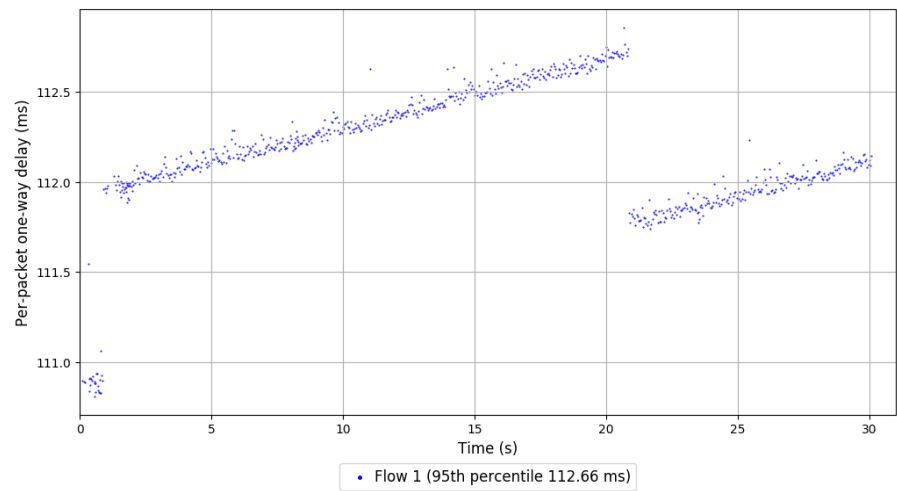
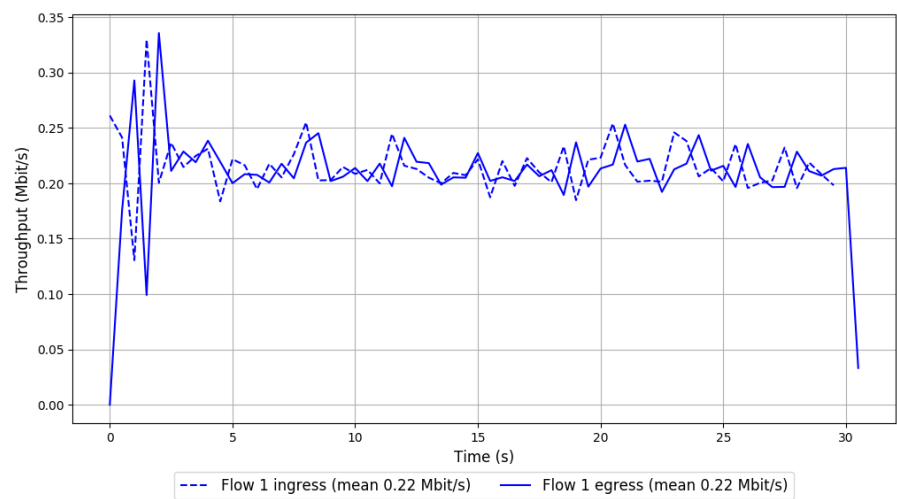


Run 2: Statistics of SCReAM

Start at: 2018-06-29 12:00:16
End at: 2018-06-29 12:00:46
Local clock offset: 20.731 ms
Remote clock offset: -22.058 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.658 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

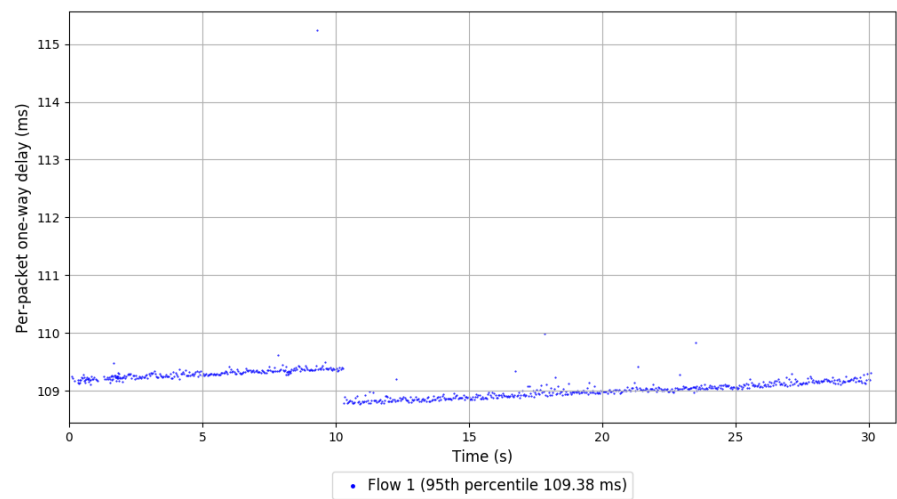
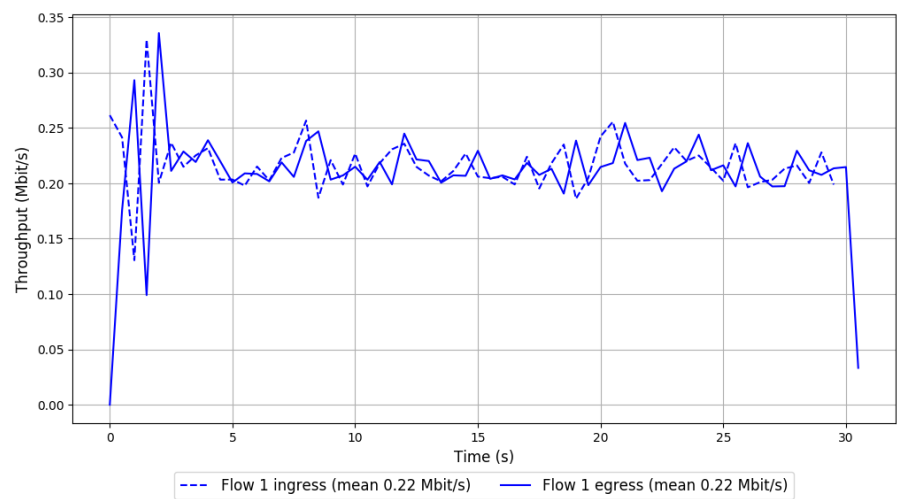


Run 3: Statistics of SCReAM

Start at: 2018-06-29 12:21:44
End at: 2018-06-29 12:22:14
Local clock offset: 23.738 ms
Remote clock offset: -32.334 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.375 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

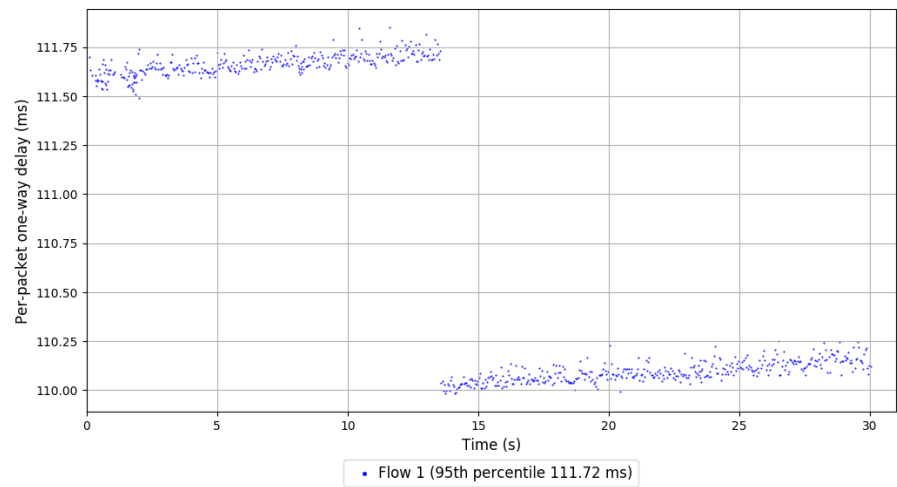
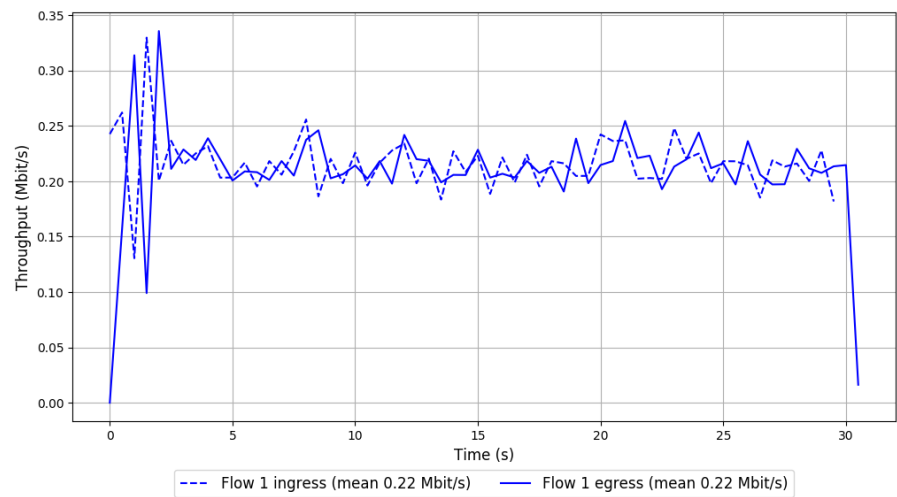


Run 4: Statistics of SCReAM

Start at: 2018-06-29 12:43:43
End at: 2018-06-29 12:44:13
Local clock offset: 20.149 ms
Remote clock offset: -60.916 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.719 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

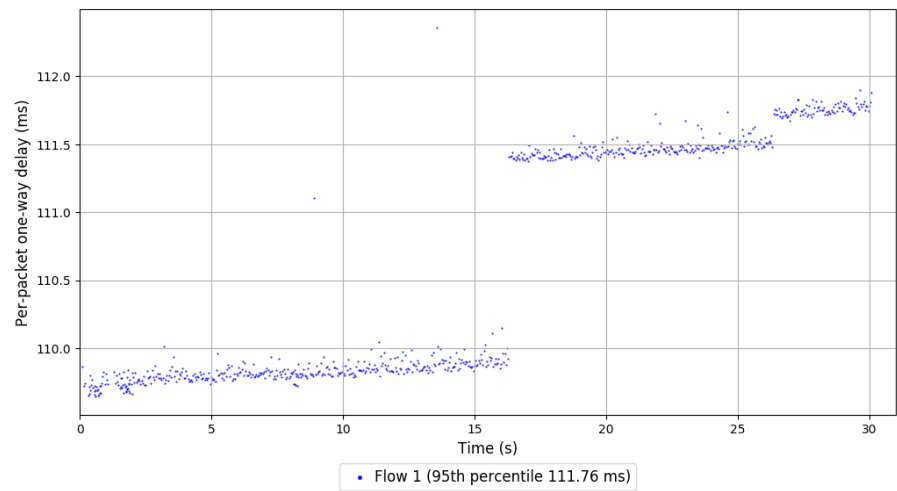
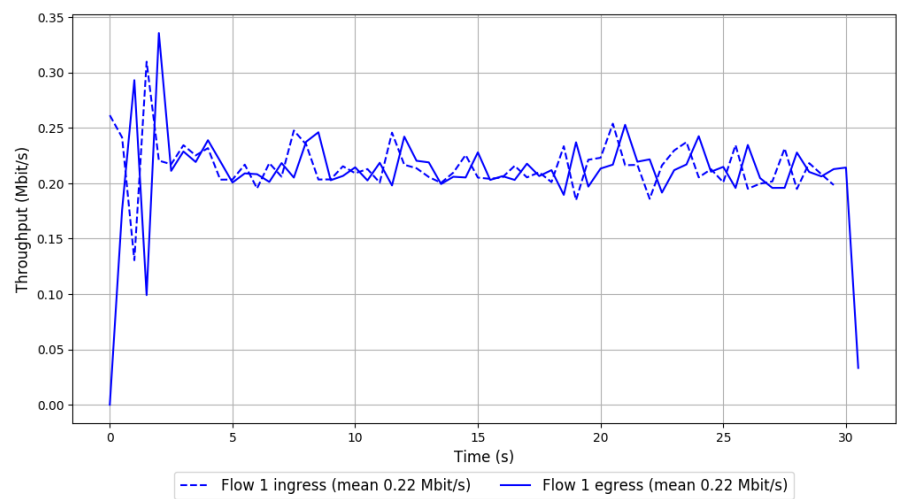


Run 5: Statistics of SCReAM

Start at: 2018-06-29 13:05:31
End at: 2018-06-29 13:06:01
Local clock offset: 16.032 ms
Remote clock offset: -24.799 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.756 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

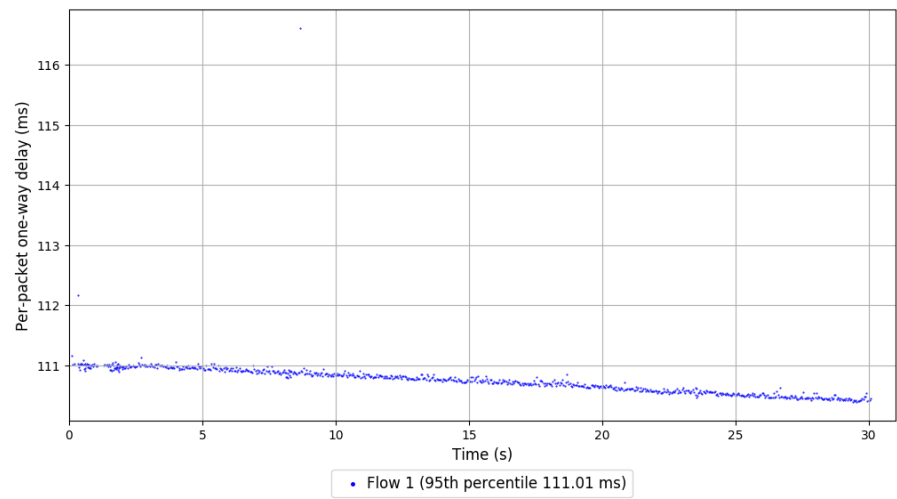
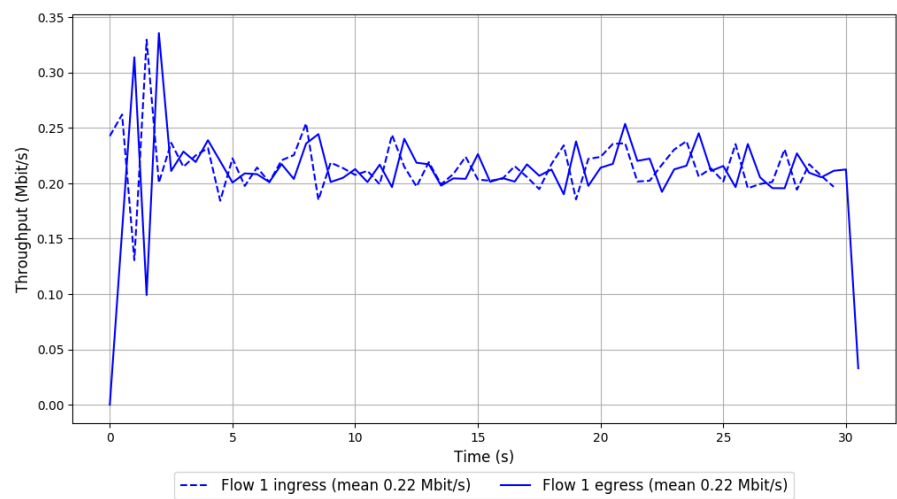


Run 6: Statistics of SCReAM

Start at: 2018-06-29 13:27:43
End at: 2018-06-29 13:28:13
Local clock offset: 6.663 ms
Remote clock offset: -14.635 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.009 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

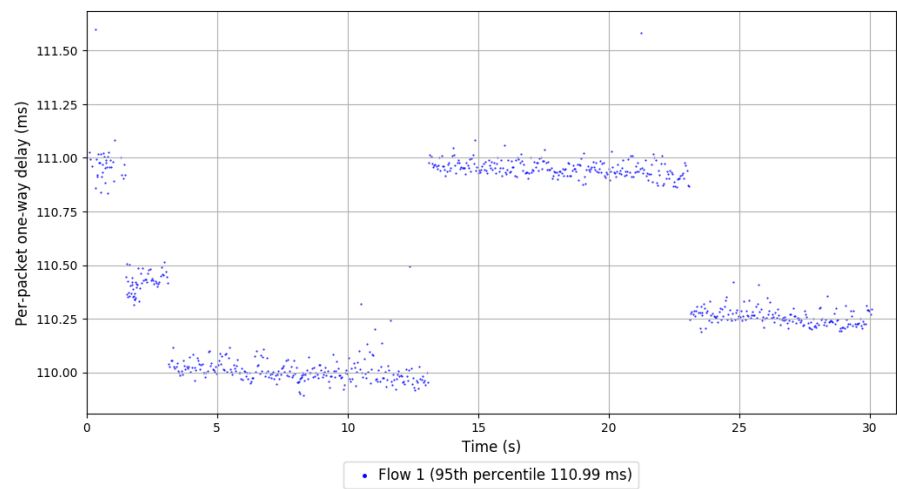
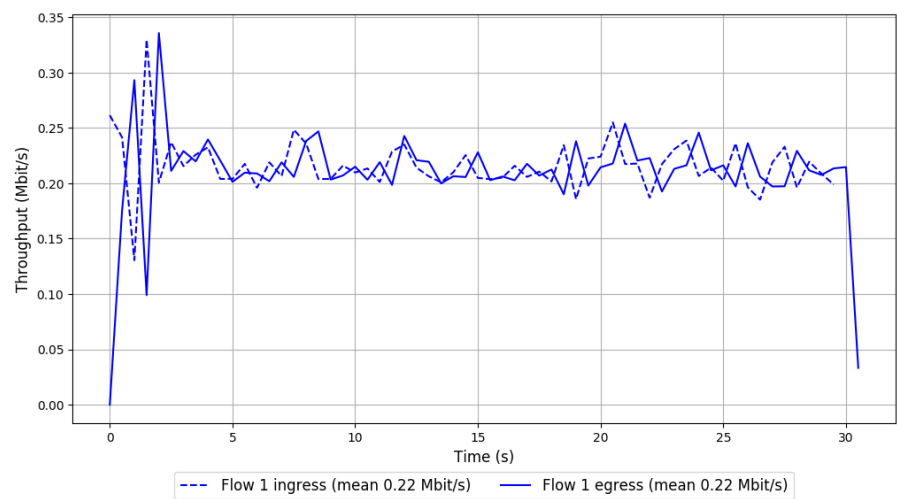


Run 7: Statistics of SCReAM

Start at: 2018-06-29 13:49:41
End at: 2018-06-29 13:50:11
Local clock offset: 5.367 ms
Remote clock offset: -6.994 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.994 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

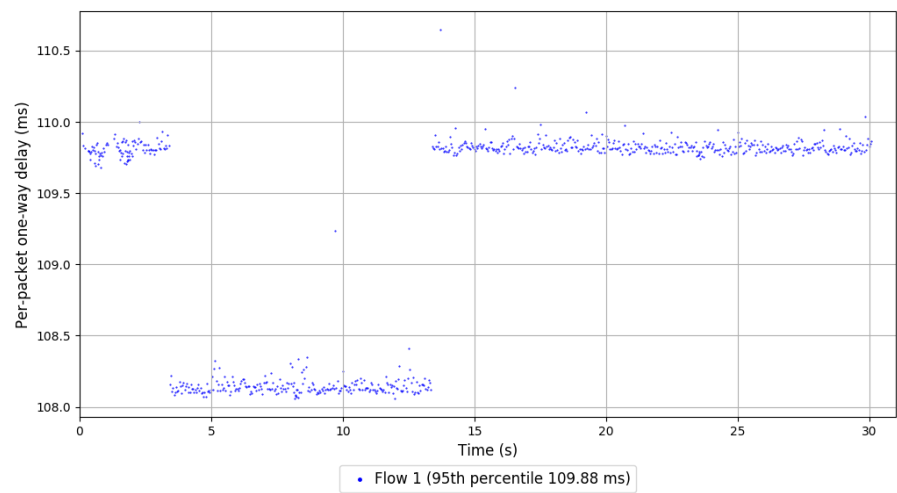
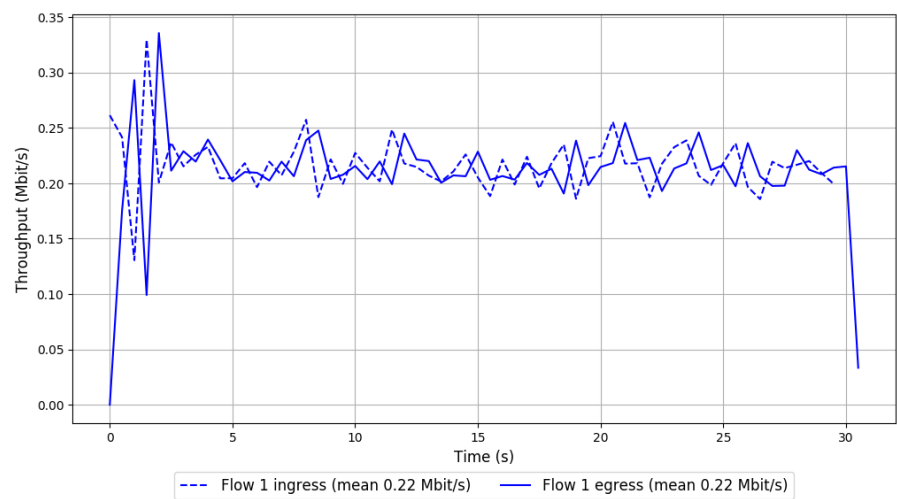


Run 8: Statistics of SCReAM

Start at: 2018-06-29 14:11:43
End at: 2018-06-29 14:12:13
Local clock offset: 3.122 ms
Remote clock offset: -2.611 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.879 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

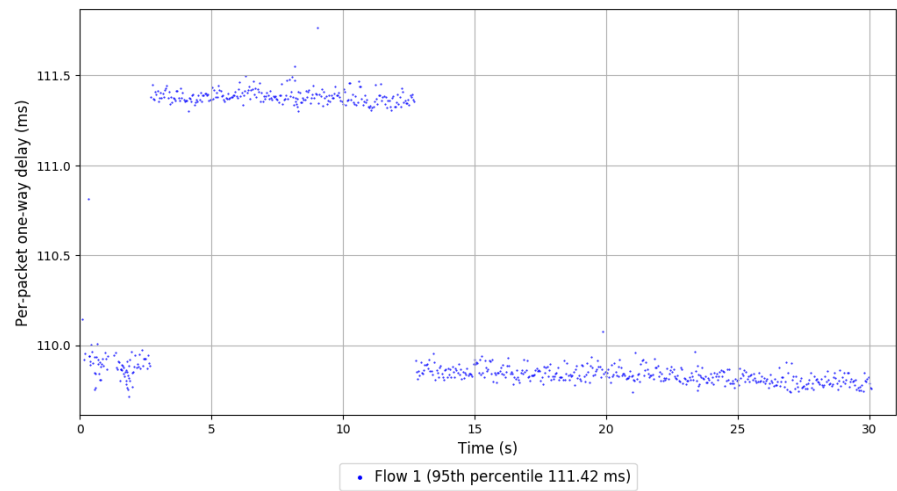
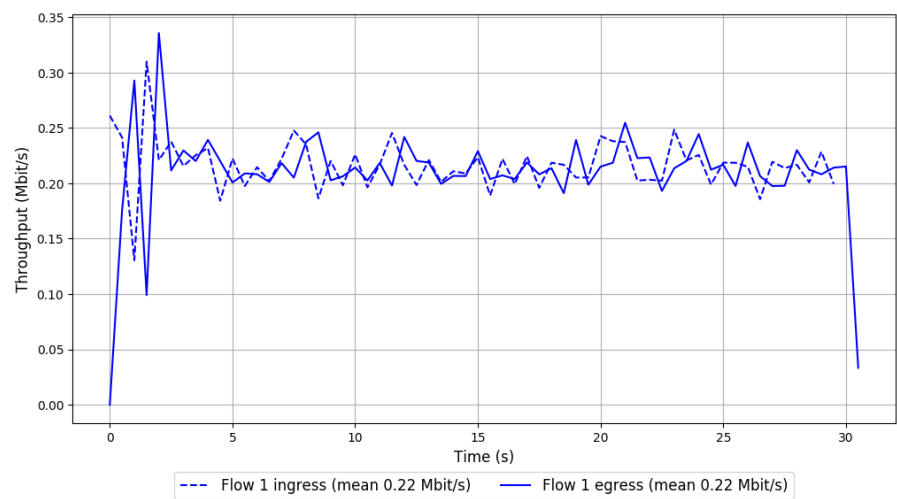


Run 9: Statistics of SCReAM

Start at: 2018-06-29 14:33:51
End at: 2018-06-29 14:34:21
Local clock offset: 0.84 ms
Remote clock offset: -1.922 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.417 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

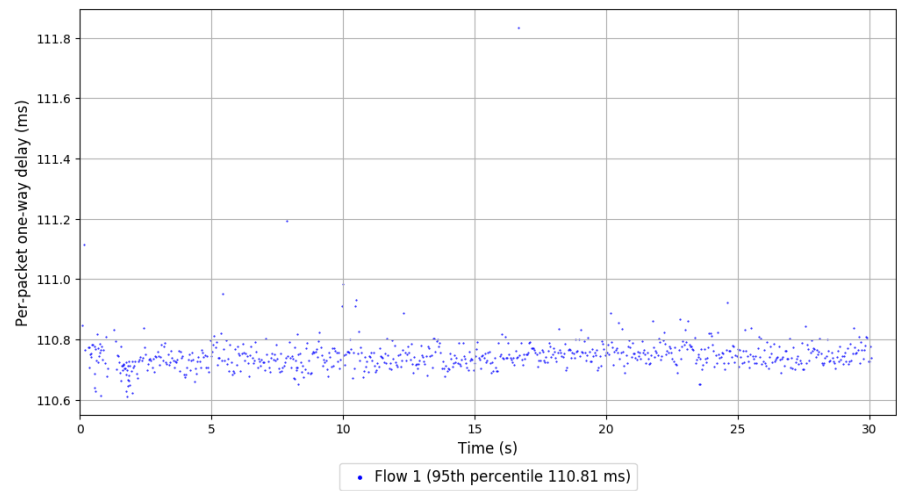
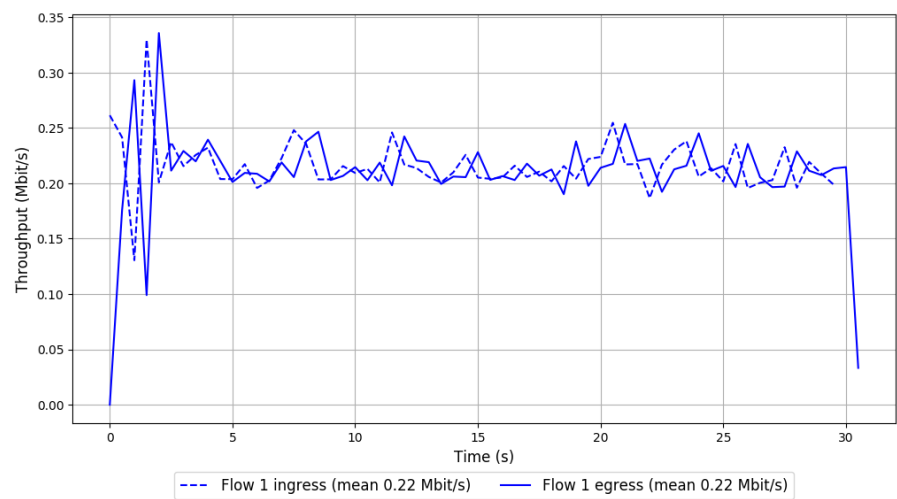


Run 10: Statistics of SCReAM

Start at: 2018-06-29 14:55:21
End at: 2018-06-29 14:55:51
Local clock offset: 0.528 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.810 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

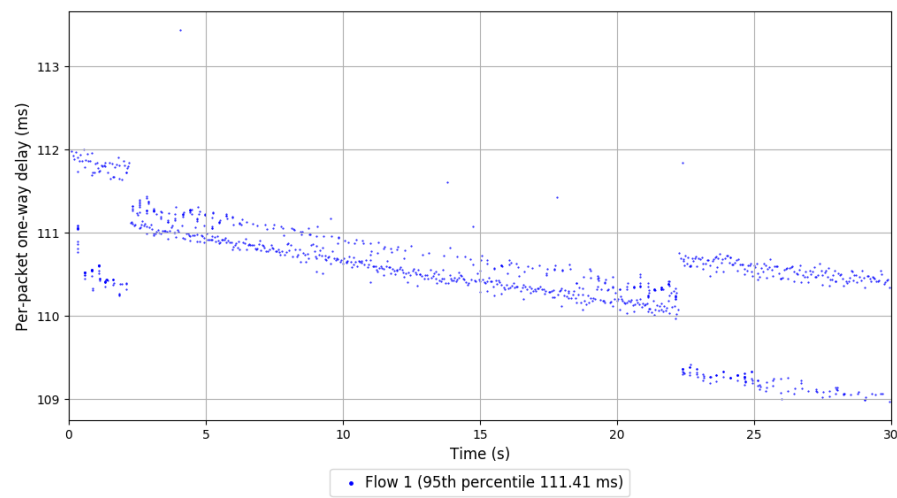
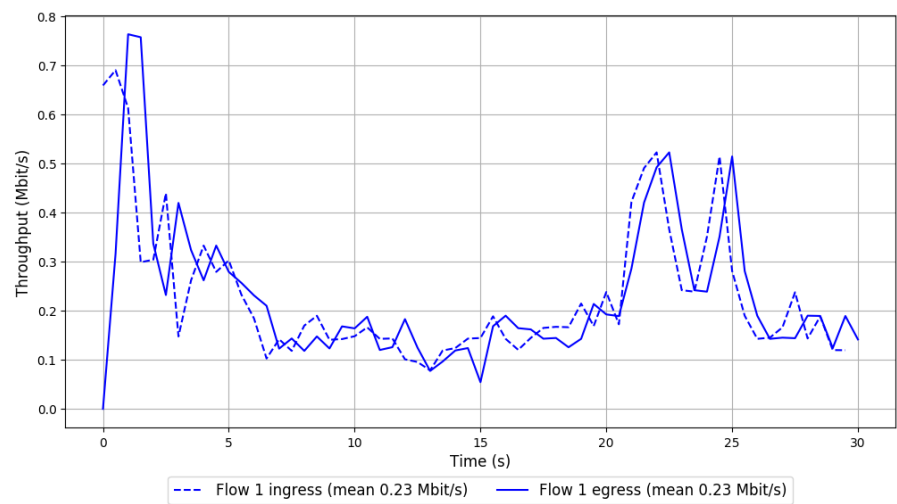


Run 1: Statistics of Sprout

Start at: 2018-06-29 11:48:42
End at: 2018-06-29 11:49:12
Local clock offset: 11.18 ms
Remote clock offset: -25.172 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.412 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

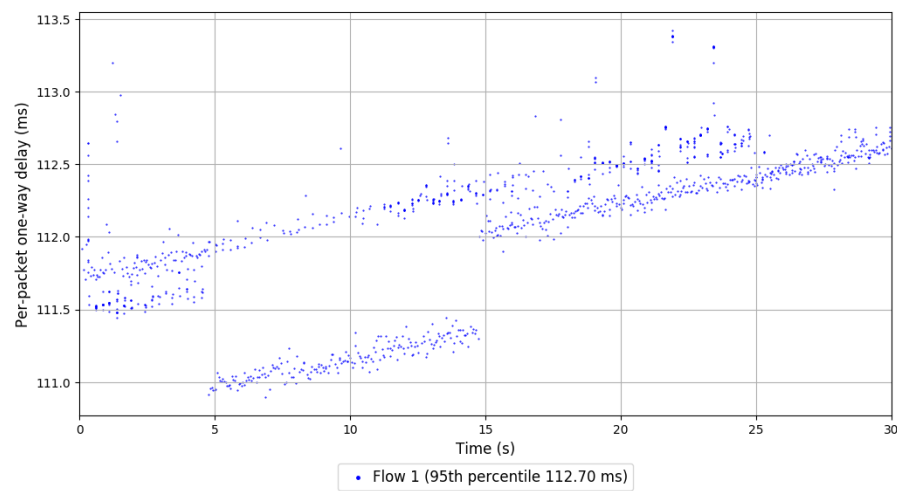
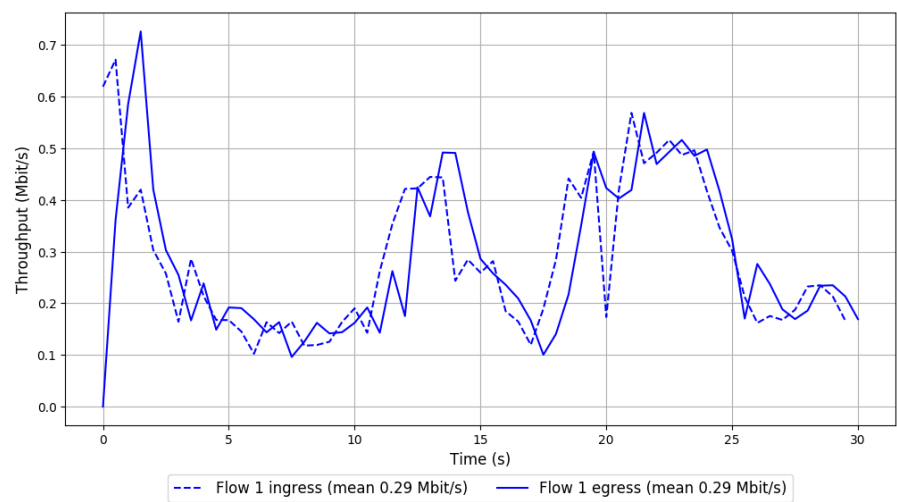


Run 2: Statistics of Sprout

Start at: 2018-06-29 12:10:39
End at: 2018-06-29 12:11:09
Local clock offset: 18.033 ms
Remote clock offset: -41.054 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 112.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 112.704 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

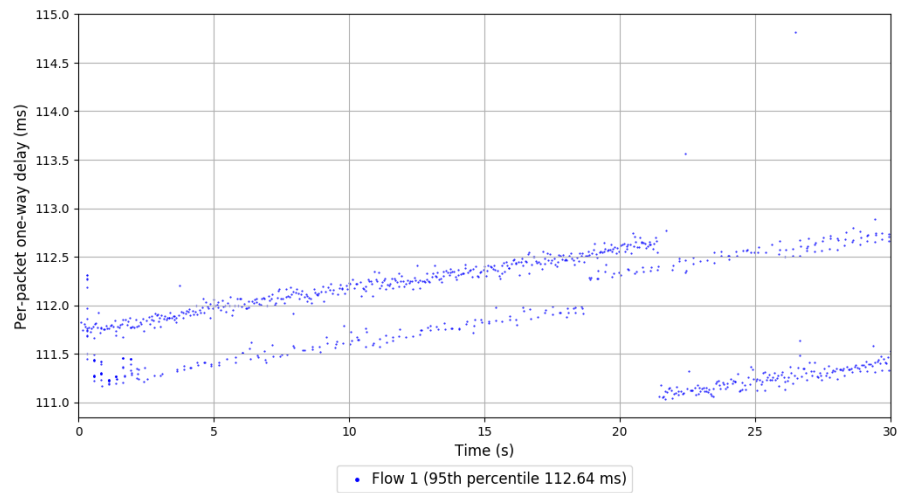
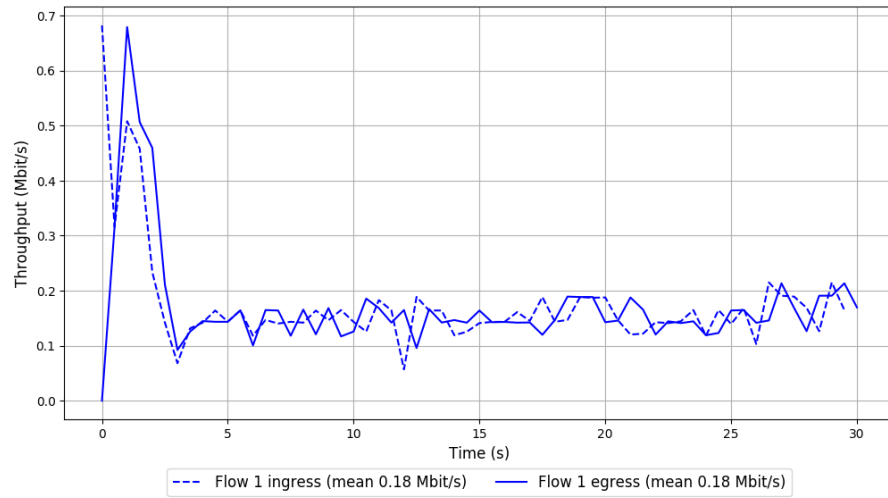


Run 3: Statistics of Sprout

Start at: 2018-06-29 12:32:15
End at: 2018-06-29 12:32:45
Local clock offset: 31.649 ms
Remote clock offset: -42.632 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.638 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

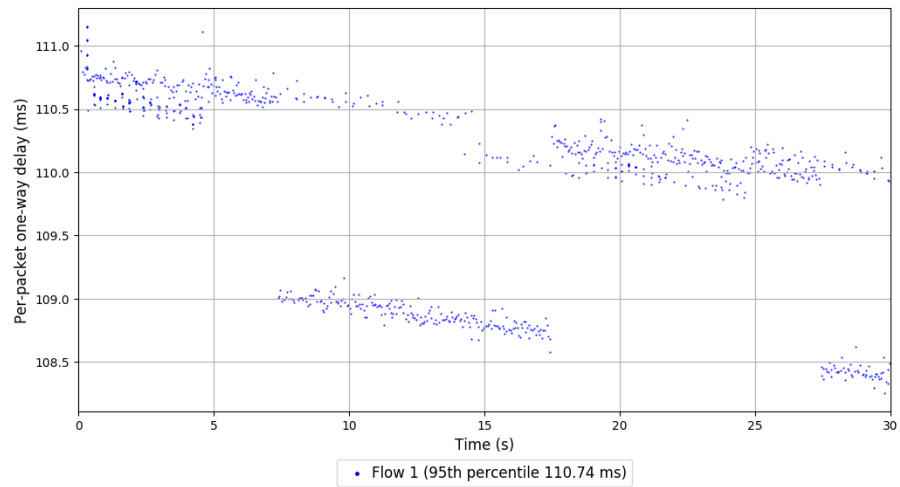
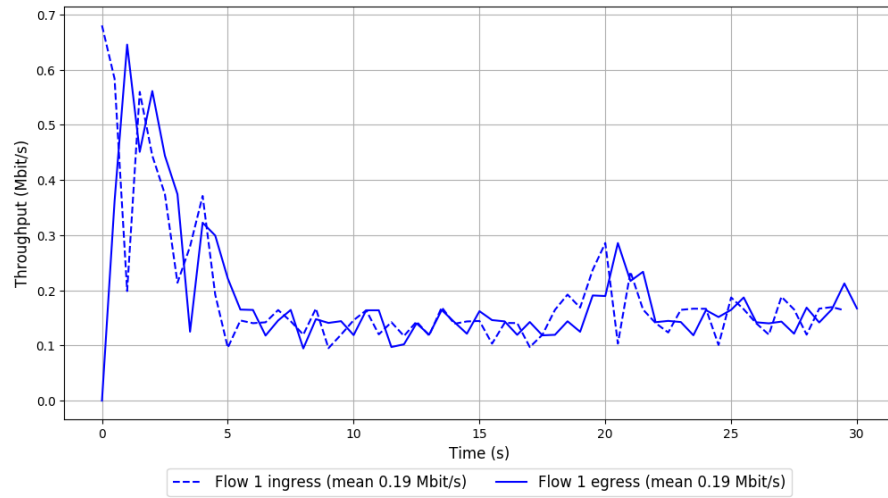


Run 4: Statistics of Sprout

Start at: 2018-06-29 12:54:09
End at: 2018-06-29 12:54:39
Local clock offset: 13.821 ms
Remote clock offset: -31.618 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.744 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

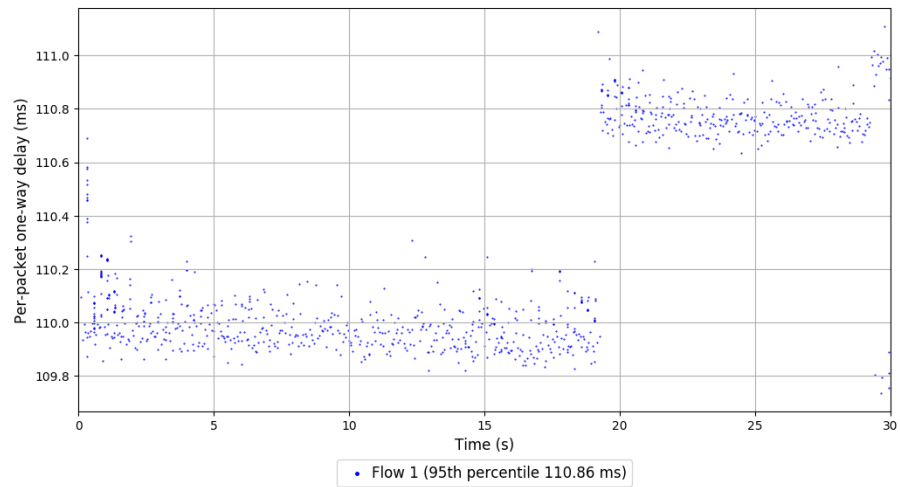
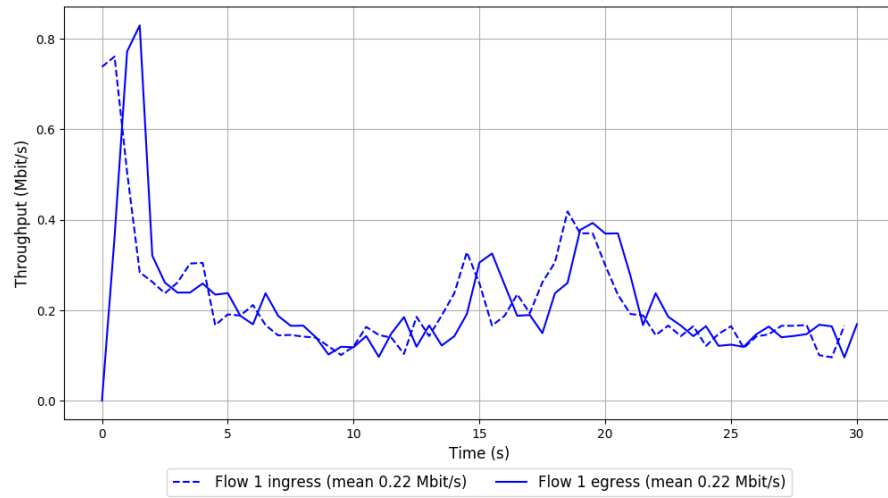


Run 5: Statistics of Sprout

Start at: 2018-06-29 13:16:05
End at: 2018-06-29 13:16:35
Local clock offset: 11.637 ms
Remote clock offset: -29.696 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.857 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-29 13:38:04

End at: 2018-06-29 13:38:34

Local clock offset: 7.267 ms

Remote clock offset: -7.436 ms

Below is generated by plot.py at 2018-06-29 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 111.438 ms

Loss rate: 0.00%

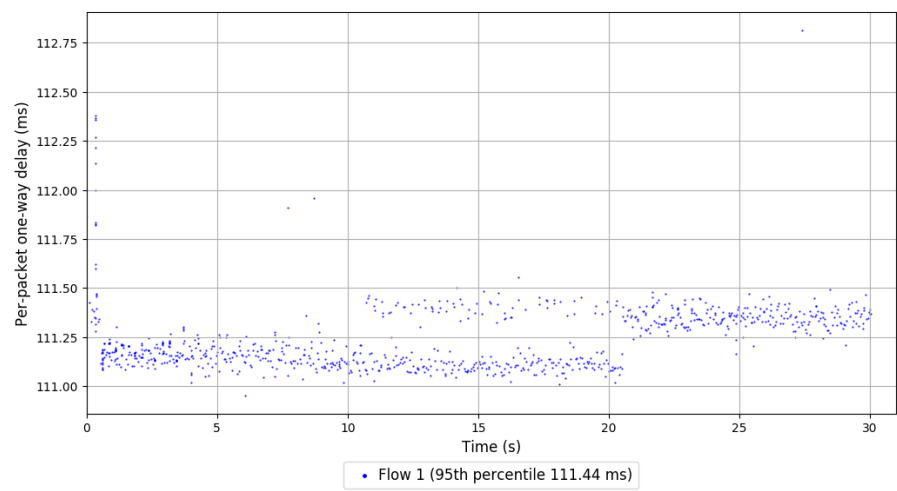
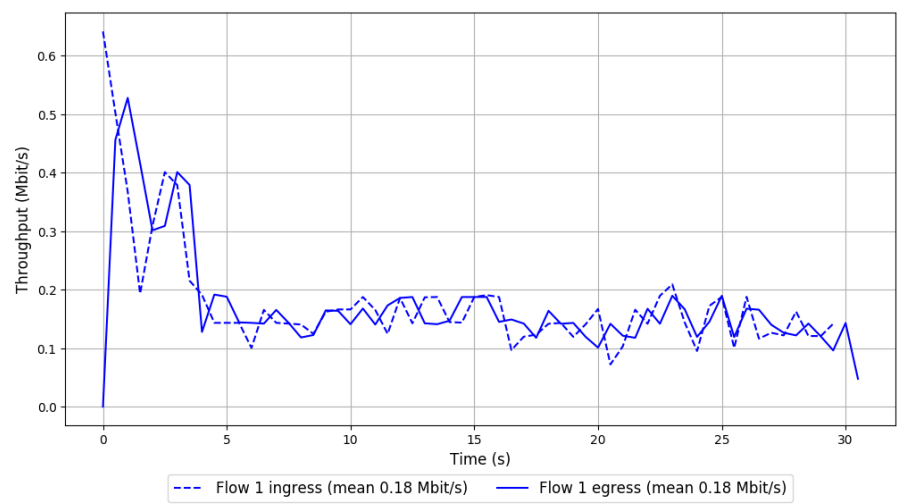
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 111.438 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

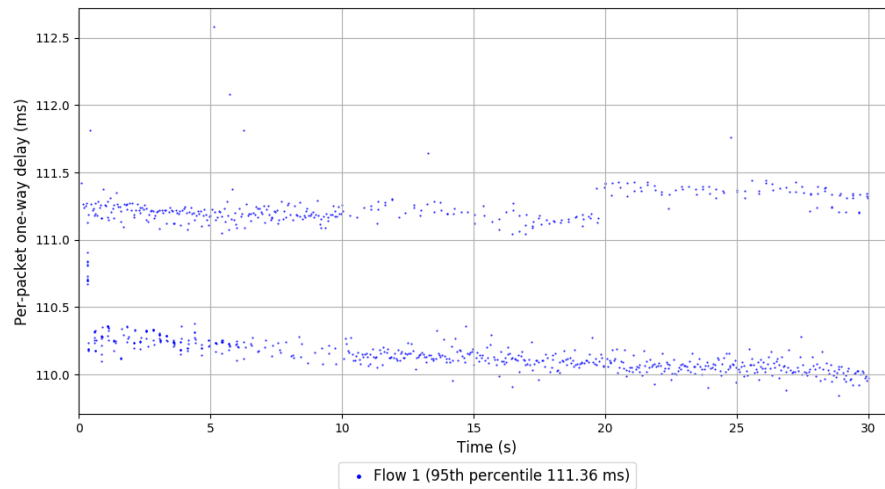
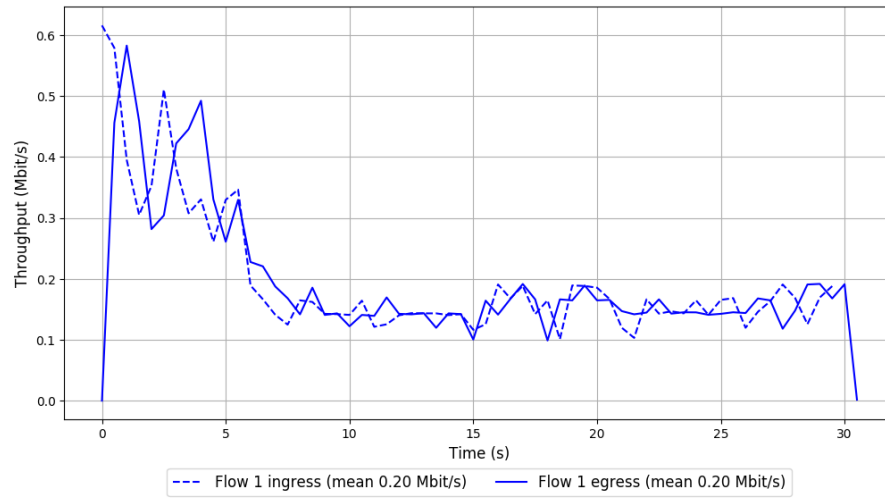


Run 7: Statistics of Sprout

Start at: 2018-06-29 14:00:04
End at: 2018-06-29 14:00:34
Local clock offset: 2.023 ms
Remote clock offset: -4.218 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.362 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

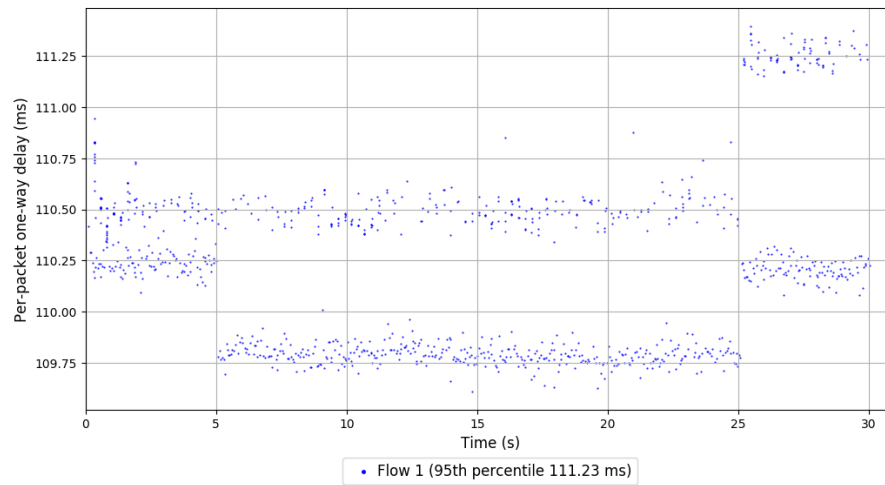
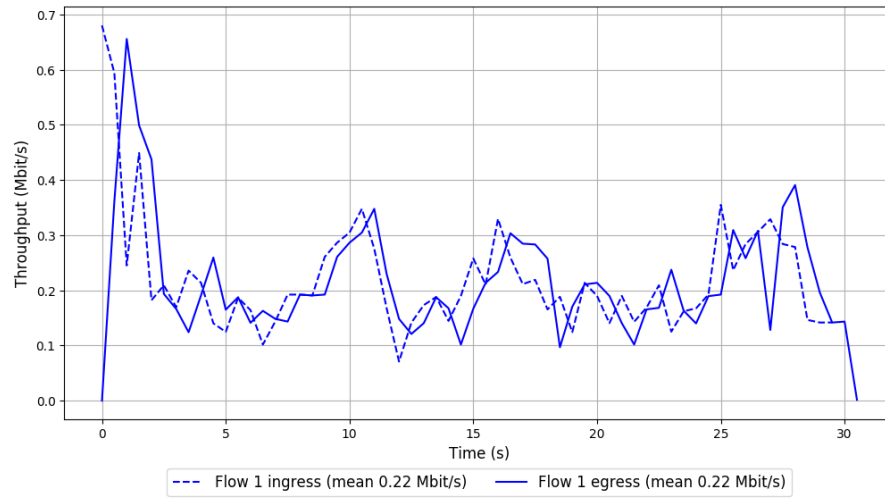


Run 8: Statistics of Sprout

Start at: 2018-06-29 14:22:09
End at: 2018-06-29 14:22:39
Local clock offset: 1.29 ms
Remote clock offset: -2.948 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.232 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

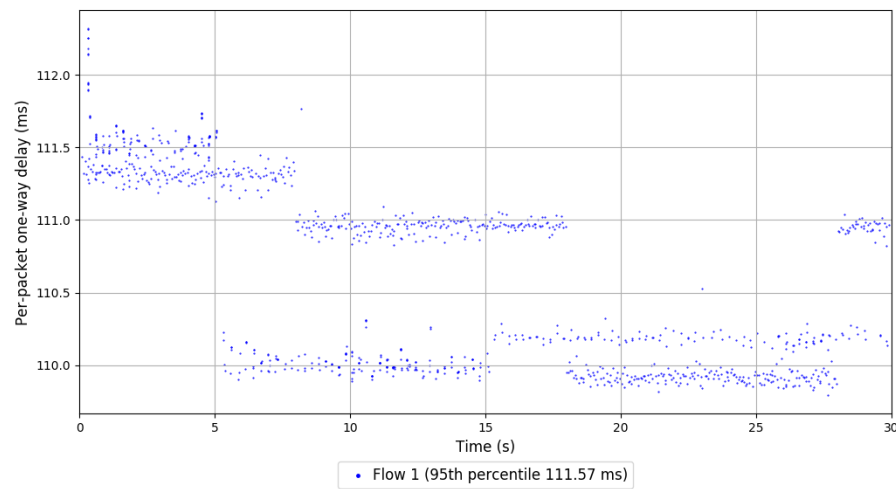
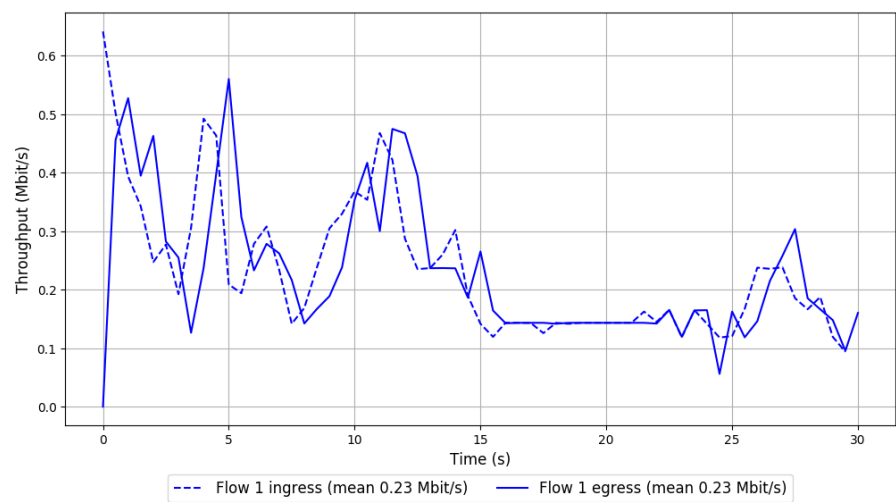


Run 9: Statistics of Sprout

Start at: 2018-06-29 14:44:09
End at: 2018-06-29 14:44:39
Local clock offset: 0.708 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.572 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-29 15:05:44

End at: 2018-06-29 15:06:14

Local clock offset: 0.306 ms

Remote clock offset: -1.47 ms

Below is generated by plot.py at 2018-06-29 16:07:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.184 ms

Loss rate: 0.00%

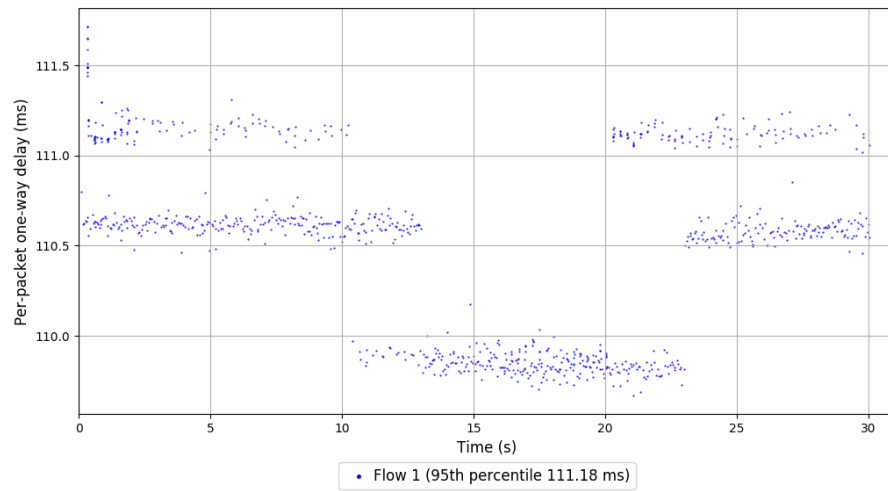
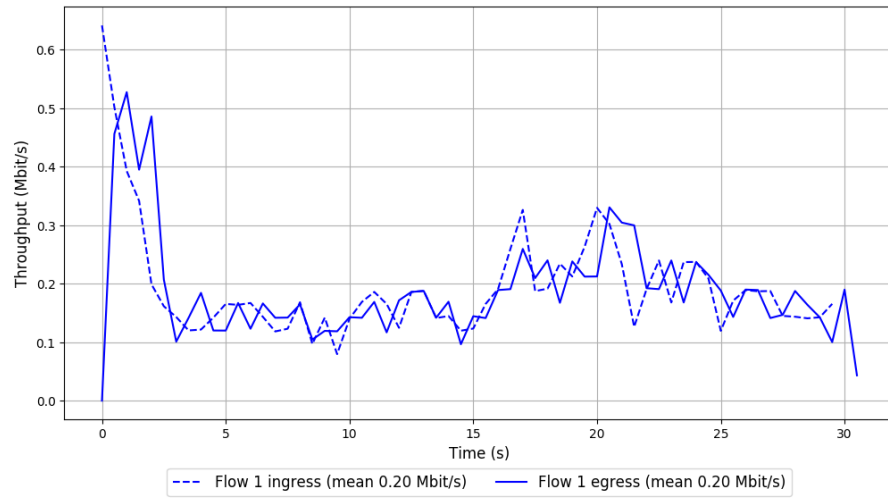
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.184 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

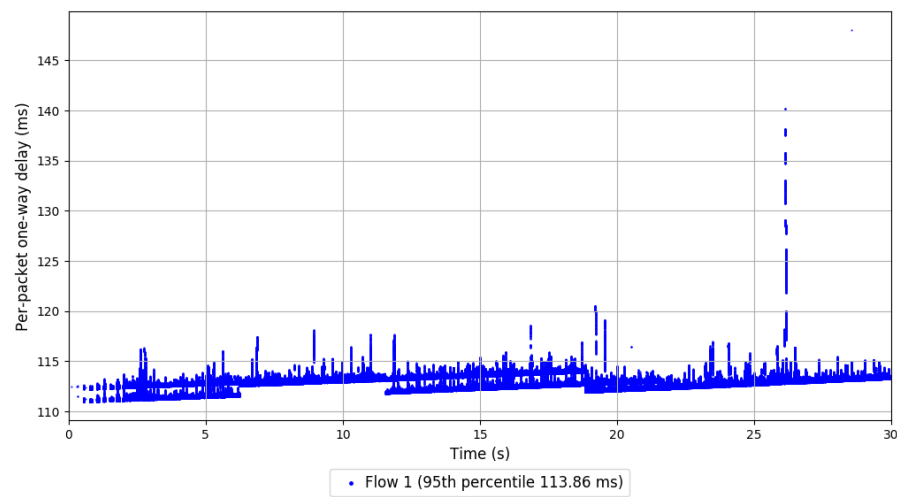
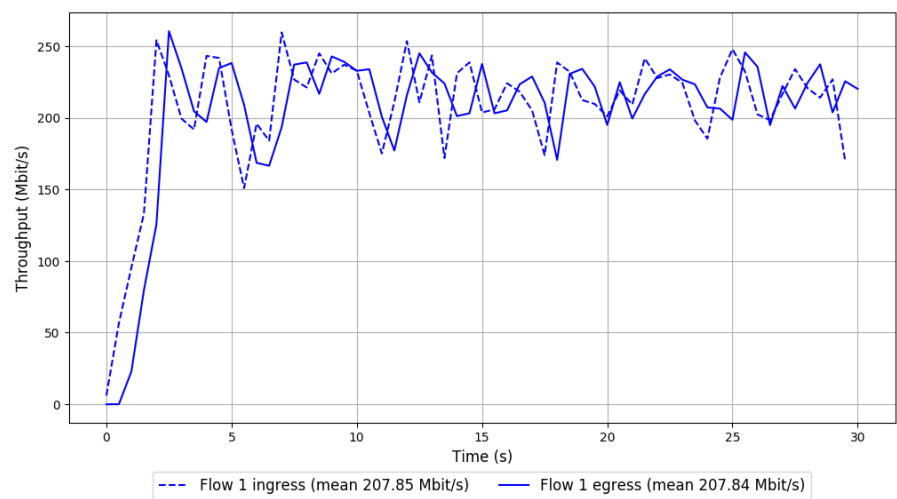


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 11:34:35
End at: 2018-06-29 11:35:05
Local clock offset: 5.23 ms
Remote clock offset: -20.629 ms

# Below is generated by plot.py at 2018-06-29 16:07:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.84 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.84 Mbit/s
95th percentile per-packet one-way delay: 113.855 ms
Loss rate: 0.00%
```


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

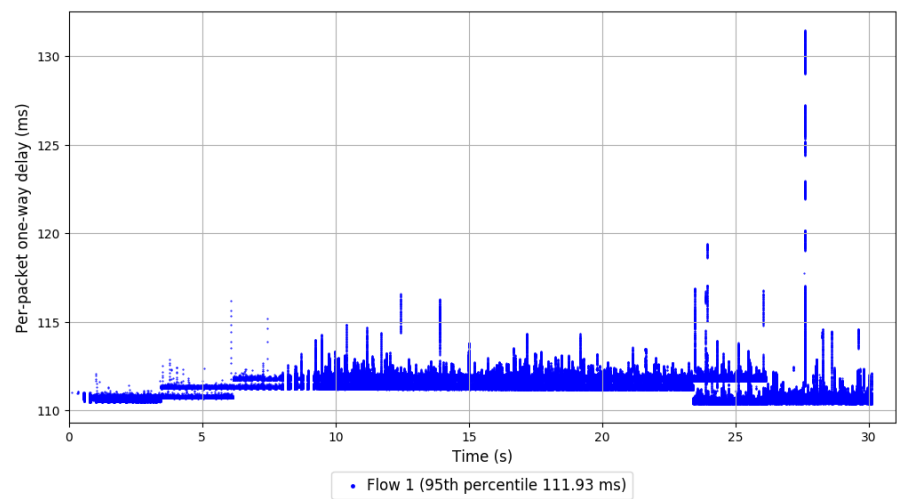
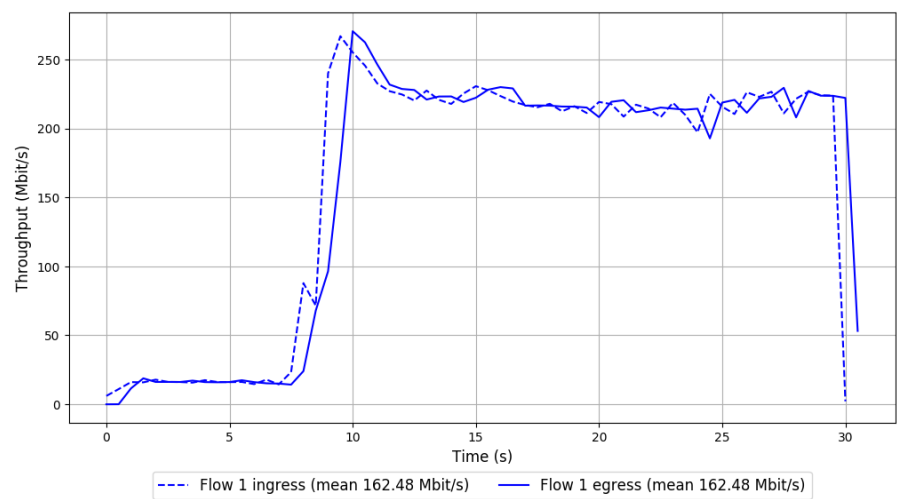


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 11:56:31
End at: 2018-06-29 11:57:01
Local clock offset: 16.111 ms
Remote clock offset: -23.075 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.48 Mbit/s
95th percentile per-packet one-way delay: 111.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.48 Mbit/s
95th percentile per-packet one-way delay: 111.929 ms
Loss rate: 0.00%

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

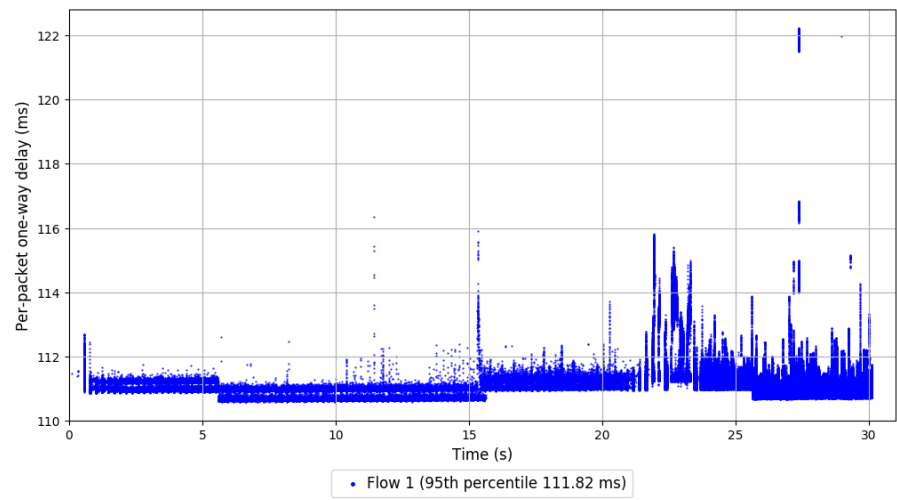
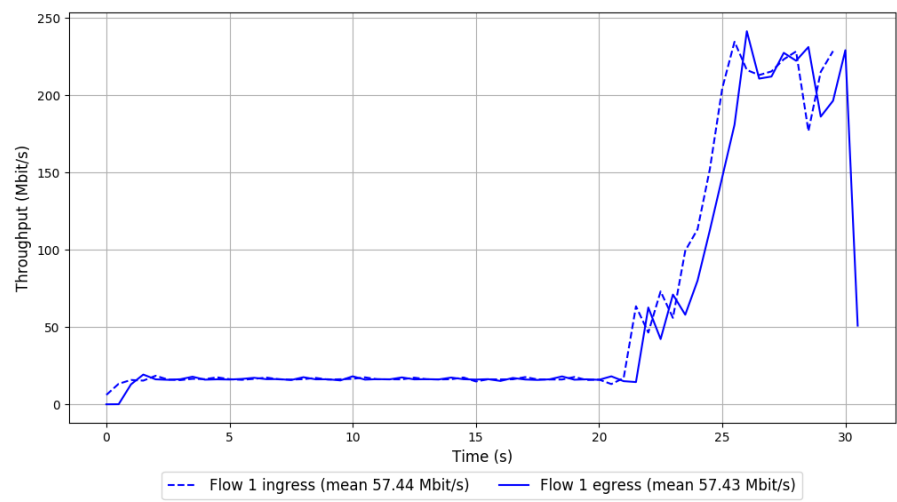


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 12:18:08
End at: 2018-06-29 12:18:39
Local clock offset: 20.0 ms
Remote clock offset: -32.393 ms

Below is generated by plot.py at 2018-06-29 16:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 0.01%

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

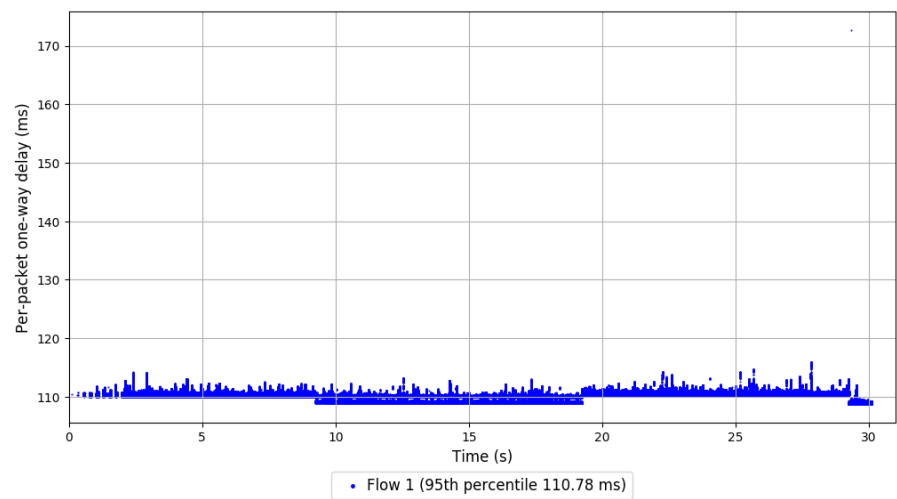
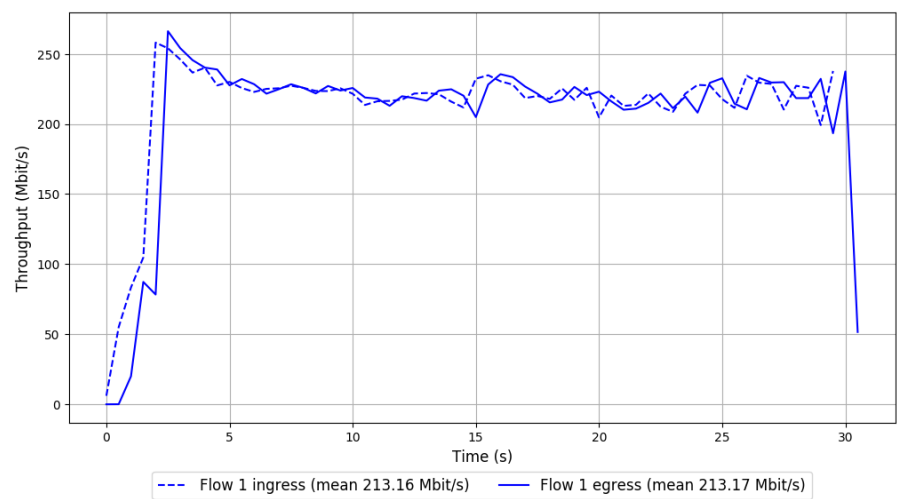


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 12:39:55
End at: 2018-06-29 12:40:25
Local clock offset: 27.739 ms
Remote clock offset: -54.564 ms

Below is generated by plot.py at 2018-06-29 16:07:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.17 Mbit/s
95th percentile per-packet one-way delay: 110.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.17 Mbit/s
95th percentile per-packet one-way delay: 110.783 ms
Loss rate: 0.00%

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

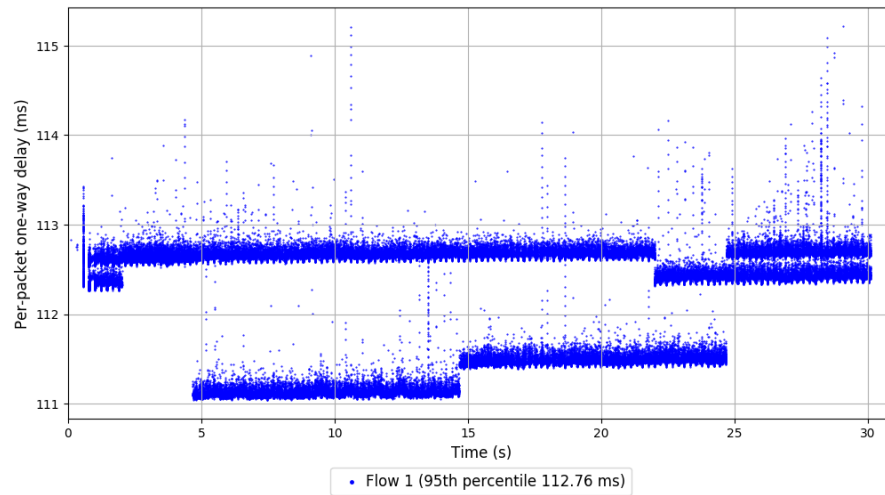
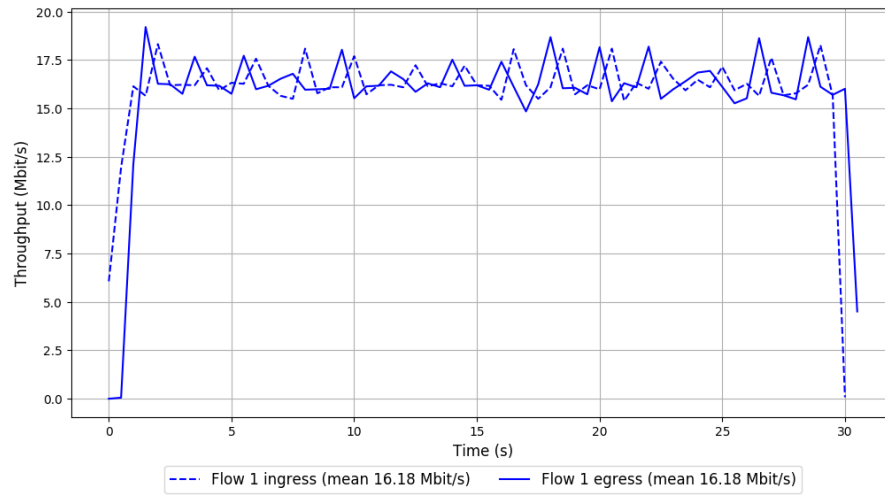


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 13:02:02
End at: 2018-06-29 13:02:32
Local clock offset: 13.724 ms
Remote clock offset: -24.346 ms

Below is generated by plot.py at 2018-06-29 16:07:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 112.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 112.761 ms
Loss rate: 0.00%

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

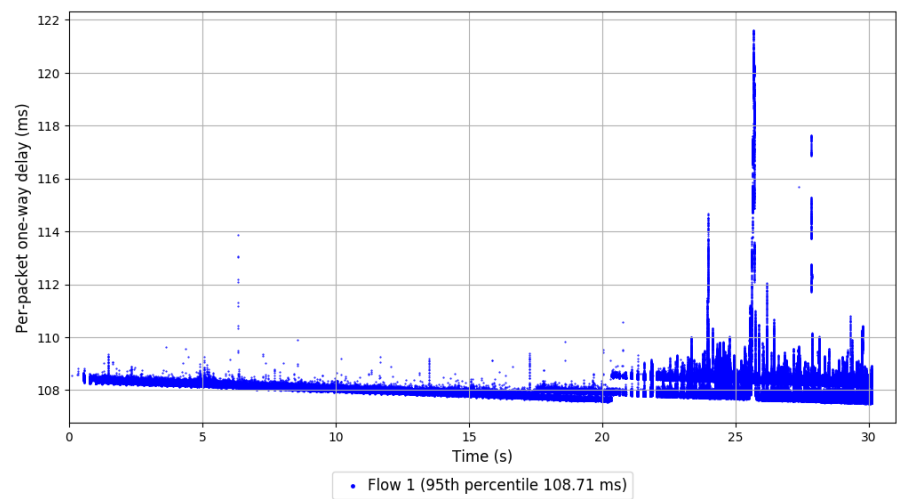
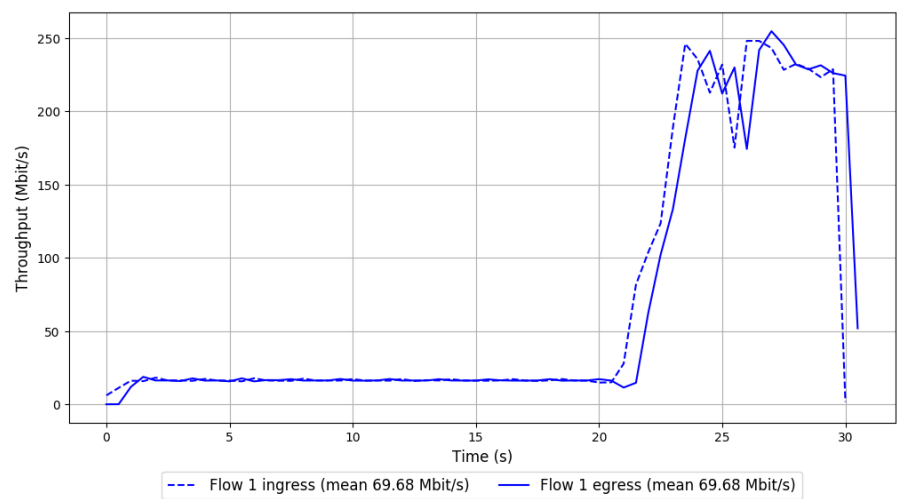


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 13:24:07
End at: 2018-06-29 13:24:37
Local clock offset: 8.432 ms
Remote clock offset: -20.033 ms

Below is generated by plot.py at 2018-06-29 16:07:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 108.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 108.709 ms
Loss rate: 0.00%

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

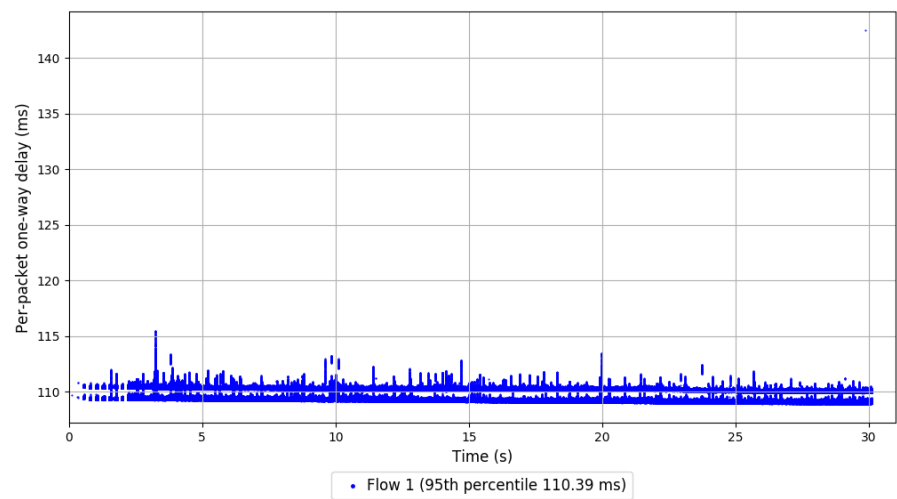
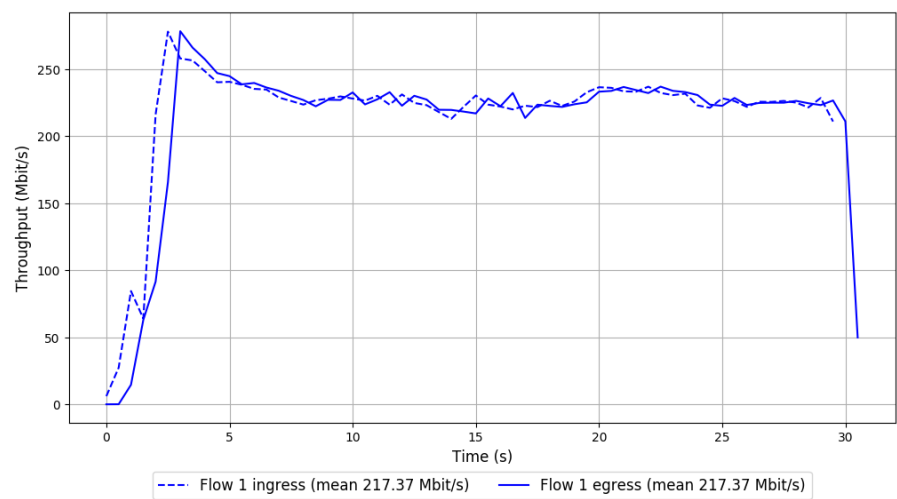


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 13:45:51
End at: 2018-06-29 13:46:21
Local clock offset: 8.536 ms
Remote clock offset: -6.775 ms

Below is generated by plot.py at 2018-06-29 16:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.37 Mbit/s
95th percentile per-packet one-way delay: 110.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.37 Mbit/s
95th percentile per-packet one-way delay: 110.389 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-29 14:07:54

End at: 2018-06-29 14:08:24

Local clock offset: 1.725 ms

Remote clock offset: -2.777 ms

Below is generated by plot.py at 2018-06-29 16:09:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.95 Mbit/s

95th percentile per-packet one-way delay: 111.158 ms

Loss rate: 0.00%

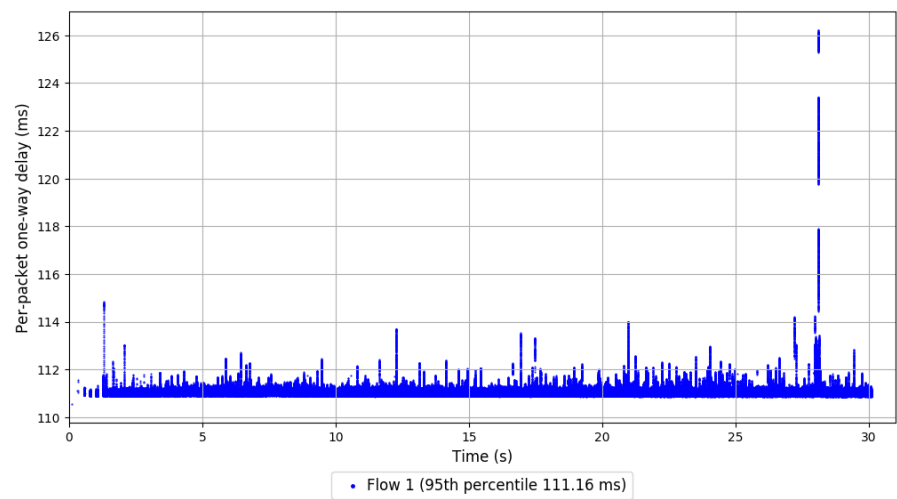
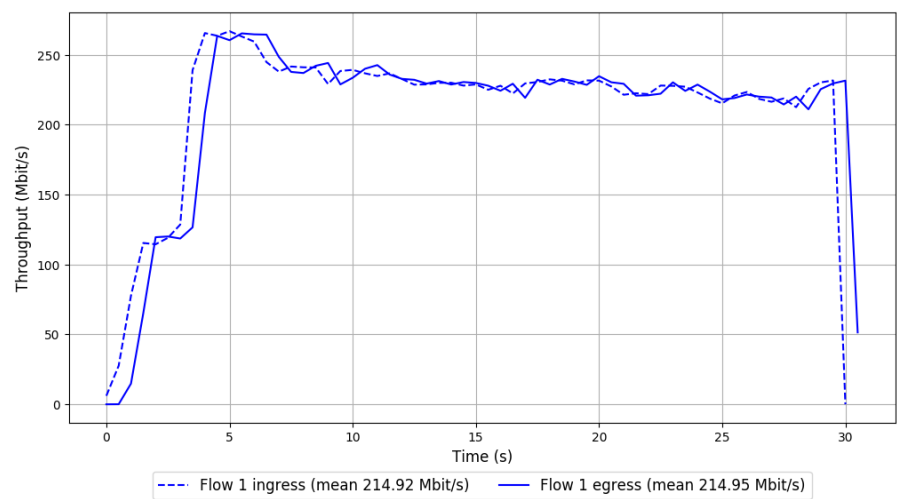
-- Flow 1:

Average throughput: 214.95 Mbit/s

95th percentile per-packet one-way delay: 111.158 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-29 14:30:05

End at: 2018-06-29 14:30:35

Local clock offset: 2.161 ms

Remote clock offset: -3.1 ms

Below is generated by plot.py at 2018-06-29 16:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.82 Mbit/s

95th percentile per-packet one-way delay: 109.357 ms

Loss rate: 0.00%

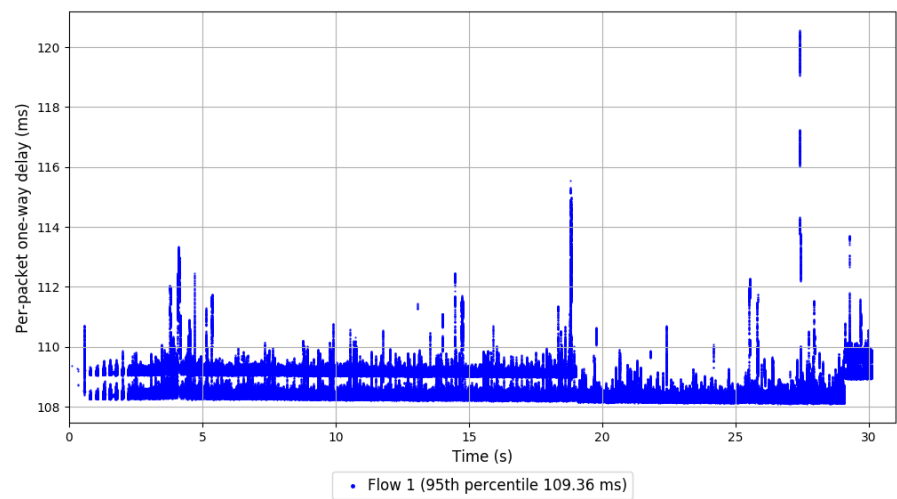
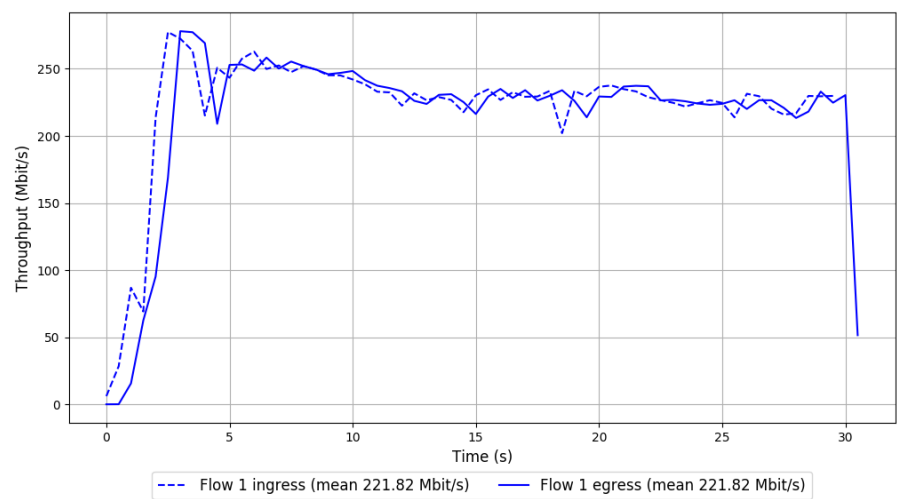
-- Flow 1:

Average throughput: 221.82 Mbit/s

95th percentile per-packet one-way delay: 109.357 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-29 14:51:36

End at: 2018-06-29 14:52:06

Local clock offset: 0.671 ms

Remote clock offset: -1.2 ms

Below is generated by plot.py at 2018-06-29 16:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.49 Mbit/s

95th percentile per-packet one-way delay: 111.711 ms

Loss rate: 0.00%

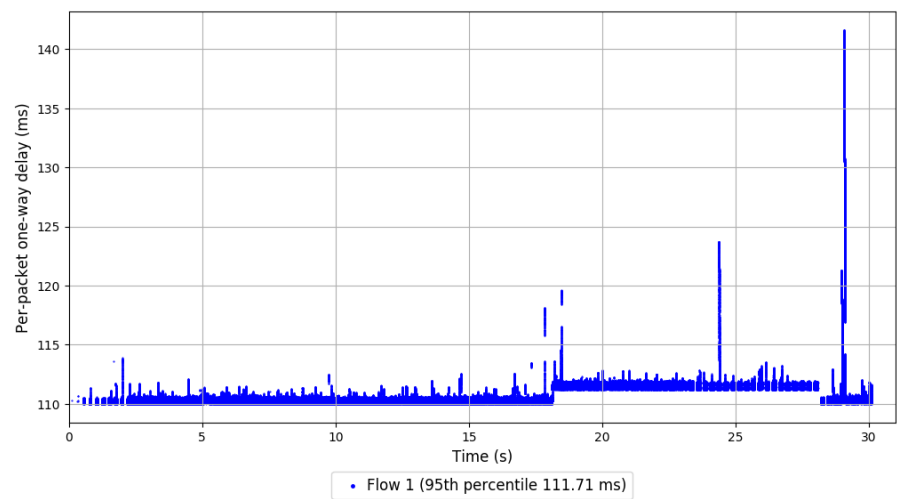
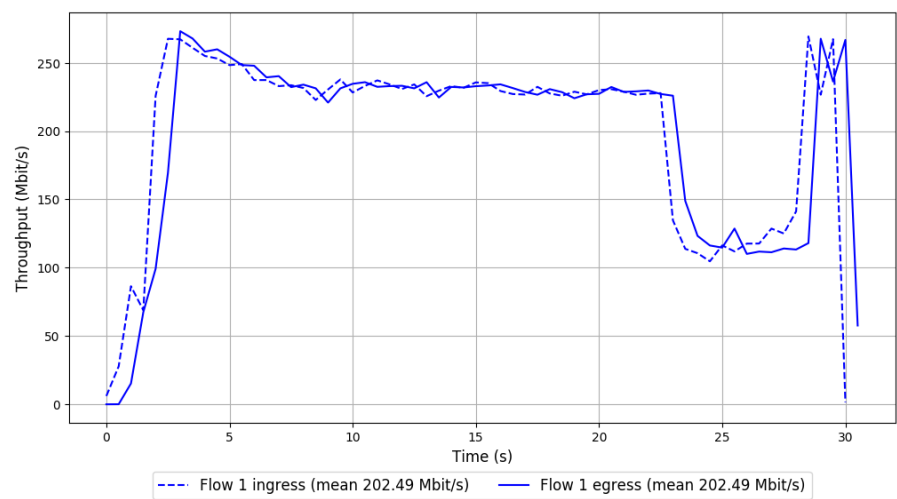
-- Flow 1:

Average throughput: 202.49 Mbit/s

95th percentile per-packet one-way delay: 111.711 ms

Loss rate: 0.00%

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

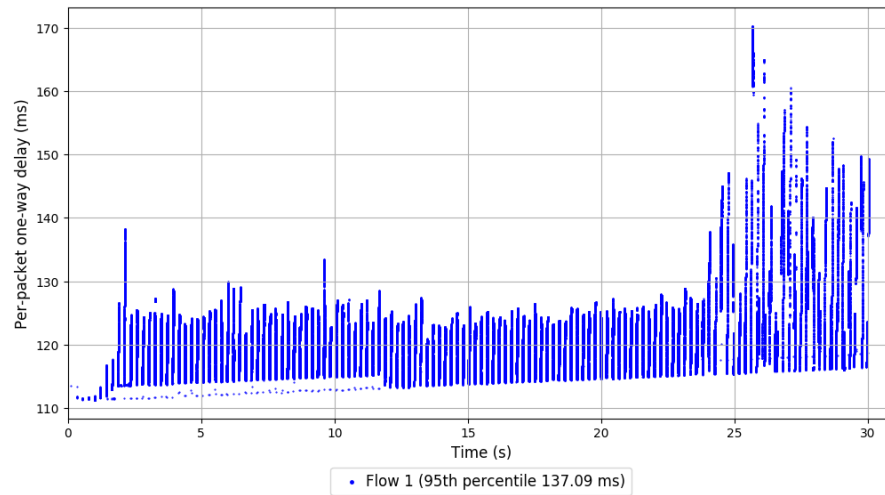
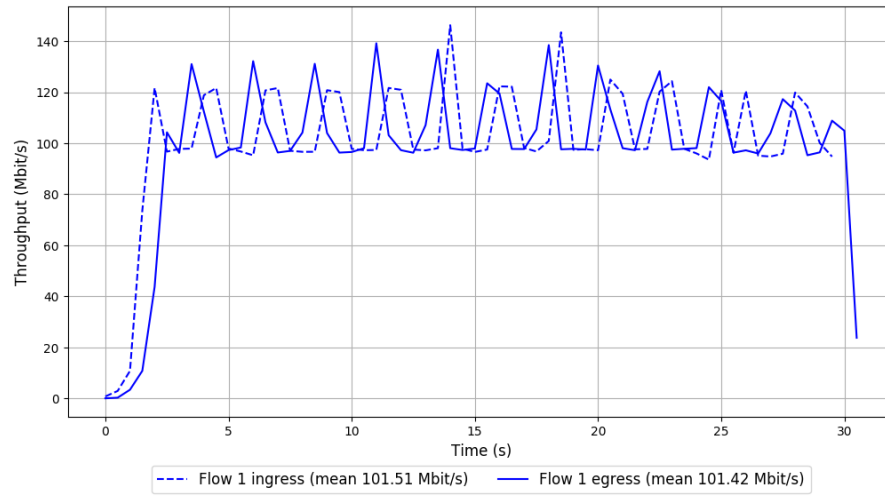


Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 11:36:02
End at: 2018-06-29 11:36:32
Local clock offset: 7.723 ms
Remote clock offset: -29.064 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.42 Mbit/s
95th percentile per-packet one-way delay: 137.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.42 Mbit/s
95th percentile per-packet one-way delay: 137.089 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

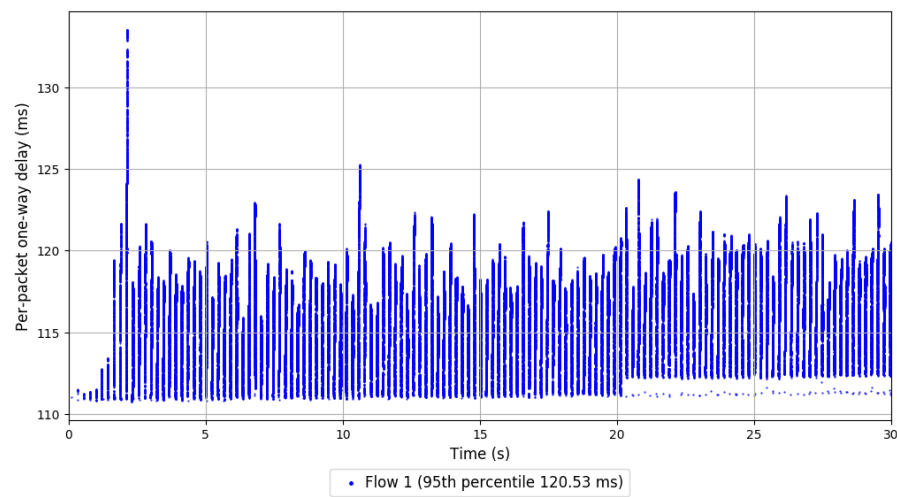
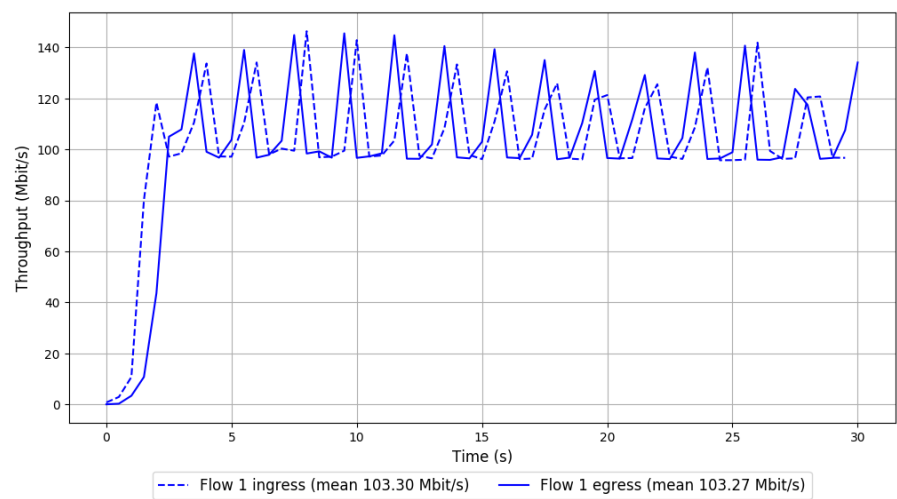


Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 11:57:54
End at: 2018-06-29 11:58:24
Local clock offset: 17.408 ms
Remote clock offset: -21.834 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.27 Mbit/s
95th percentile per-packet one-way delay: 120.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.27 Mbit/s
95th percentile per-packet one-way delay: 120.525 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

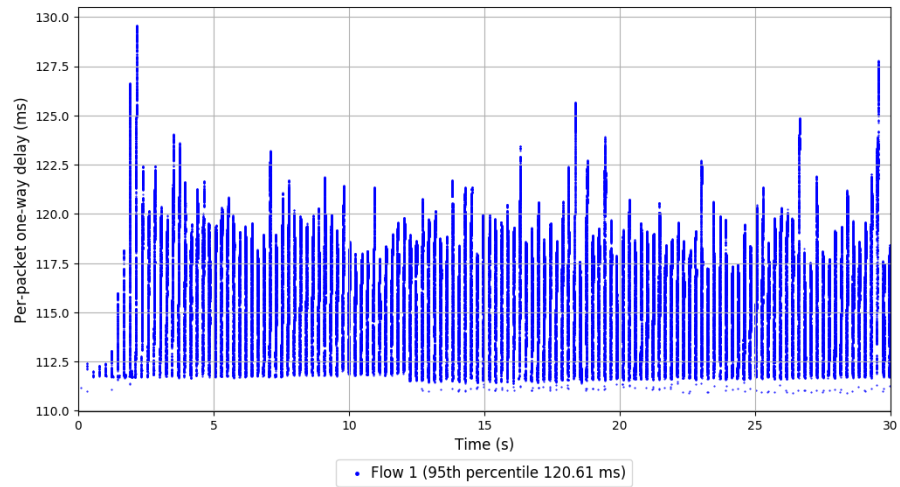
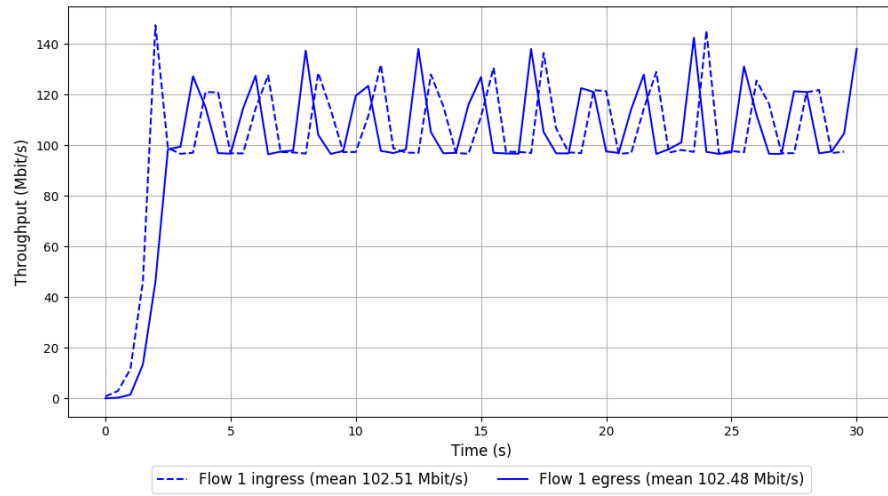


Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 12:19:22
End at: 2018-06-29 12:19:52
Local clock offset: 20.918 ms
Remote clock offset: -31.329 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.48 Mbit/s
95th percentile per-packet one-way delay: 120.606 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.48 Mbit/s
95th percentile per-packet one-way delay: 120.606 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

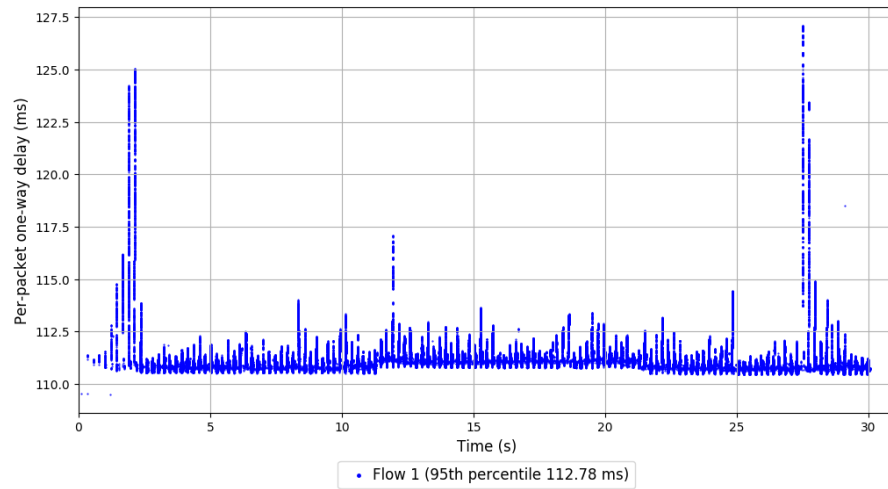
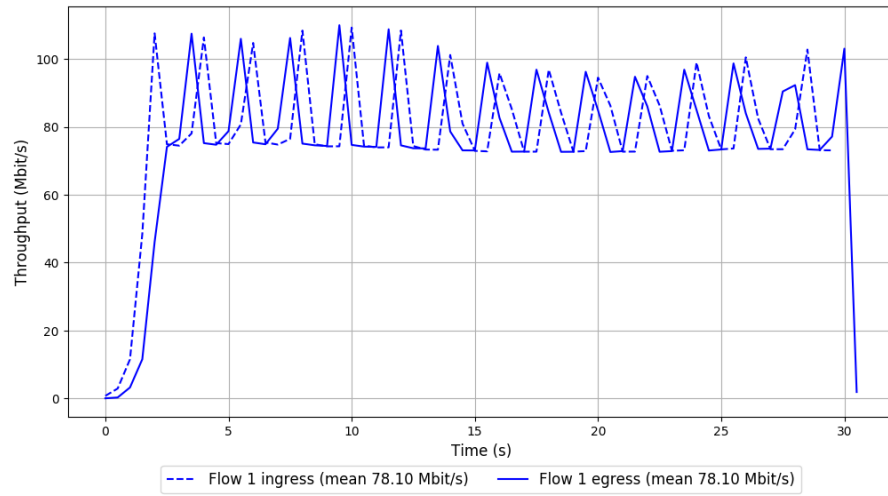


Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 12:41:23
End at: 2018-06-29 12:41:53
Local clock offset: 24.382 ms
Remote clock offset: -56.985 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

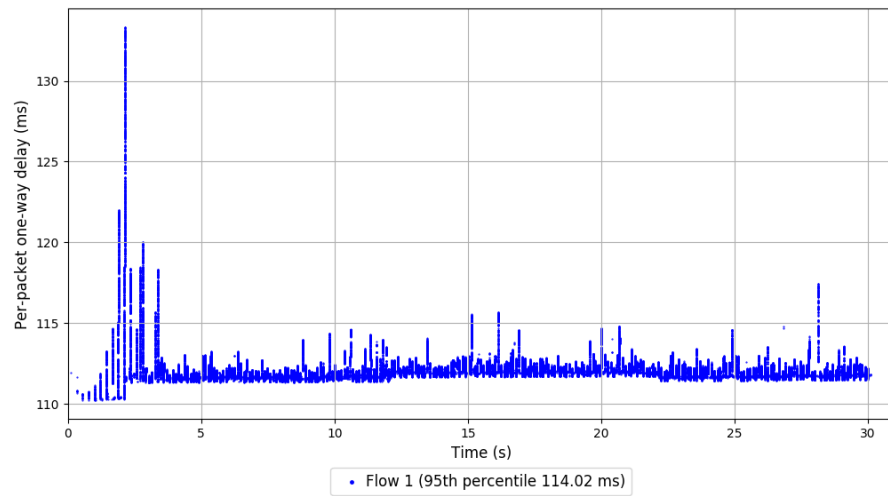
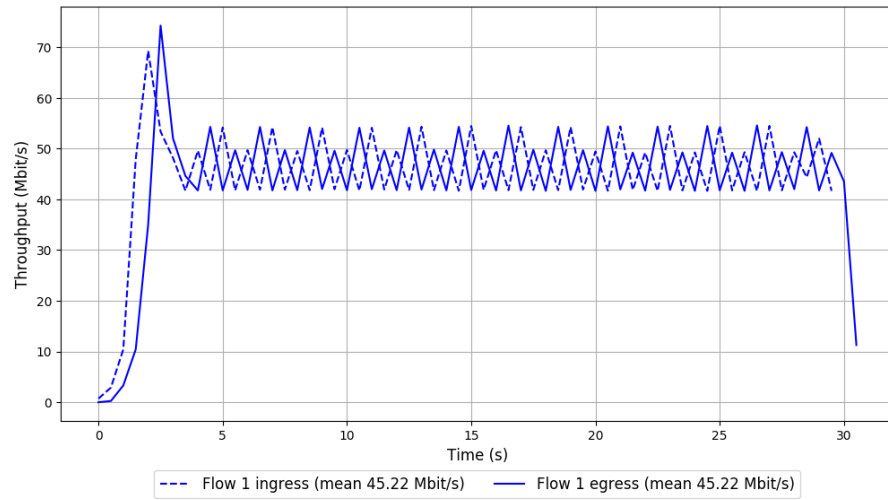


Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 13:03:12
End at: 2018-06-29 13:03:42
Local clock offset: 15.179 ms
Remote clock offset: -24.147 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 114.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 114.023 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

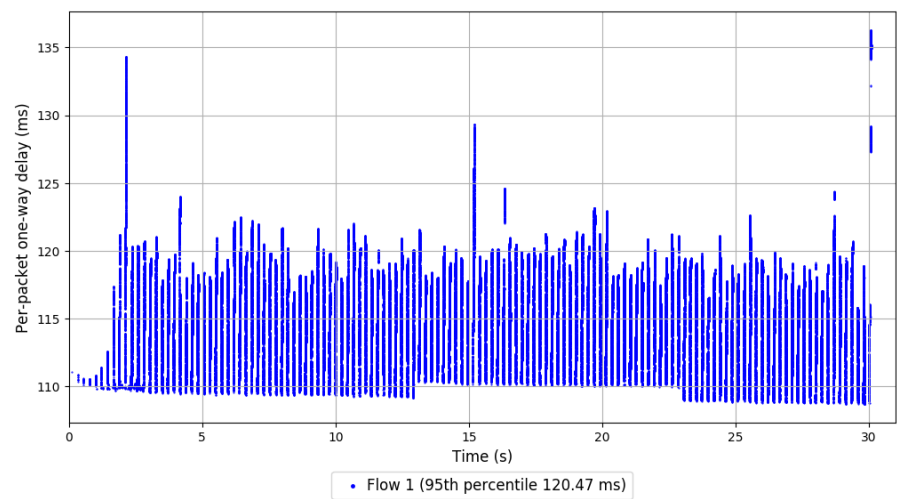
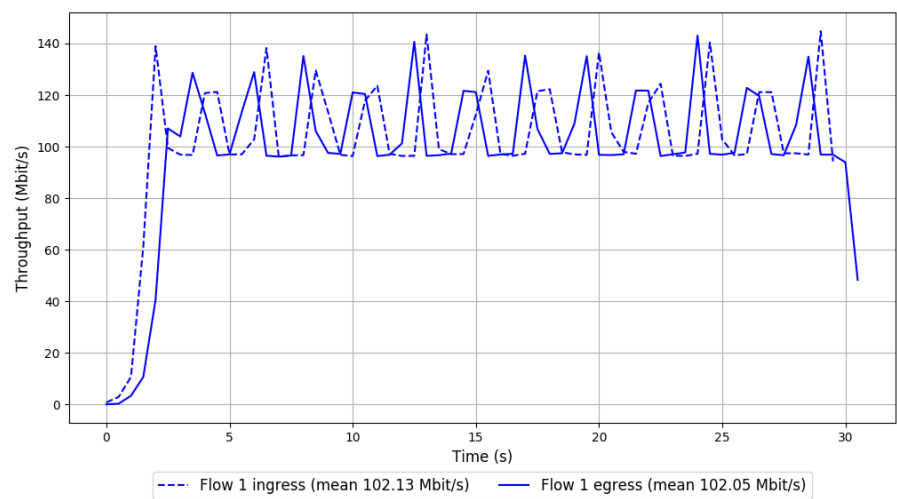


Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 13:25:21
End at: 2018-06-29 13:25:51
Local clock offset: 6.815 ms
Remote clock offset: -17.957 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.05 Mbit/s
95th percentile per-packet one-way delay: 120.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.05 Mbit/s
95th percentile per-packet one-way delay: 120.468 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

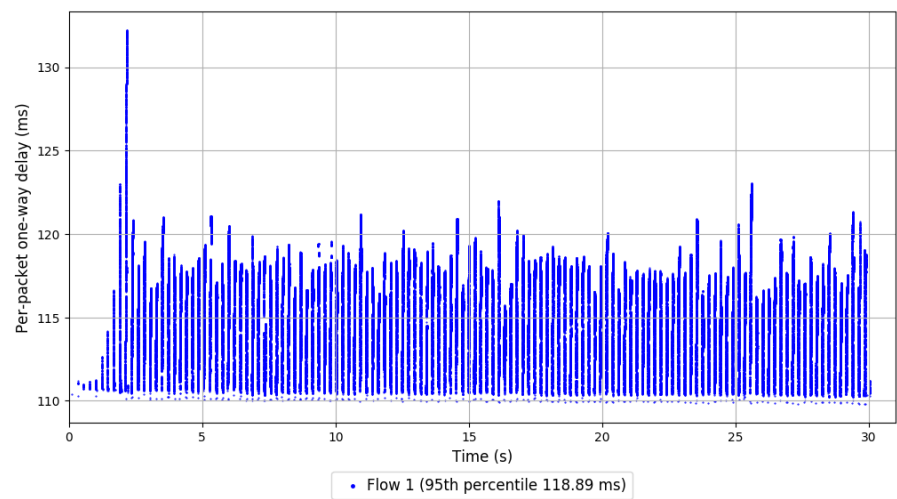
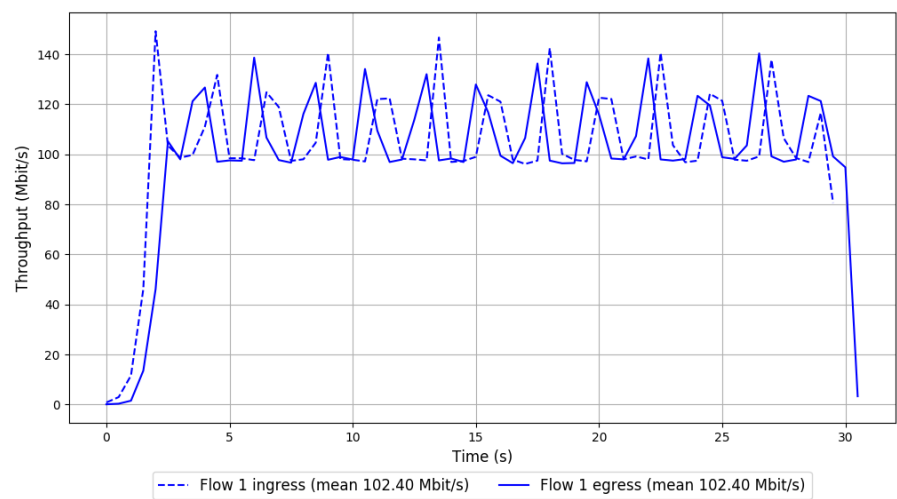


Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 13:47:19
End at: 2018-06-29 13:47:49
Local clock offset: 7.147 ms
Remote clock offset: -7.201 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.40 Mbit/s
95th percentile per-packet one-way delay: 118.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.40 Mbit/s
95th percentile per-packet one-way delay: 118.892 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

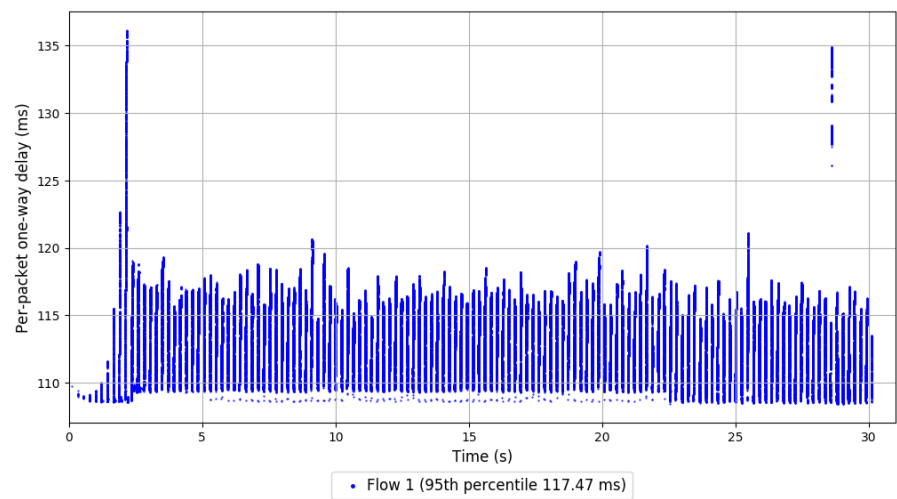
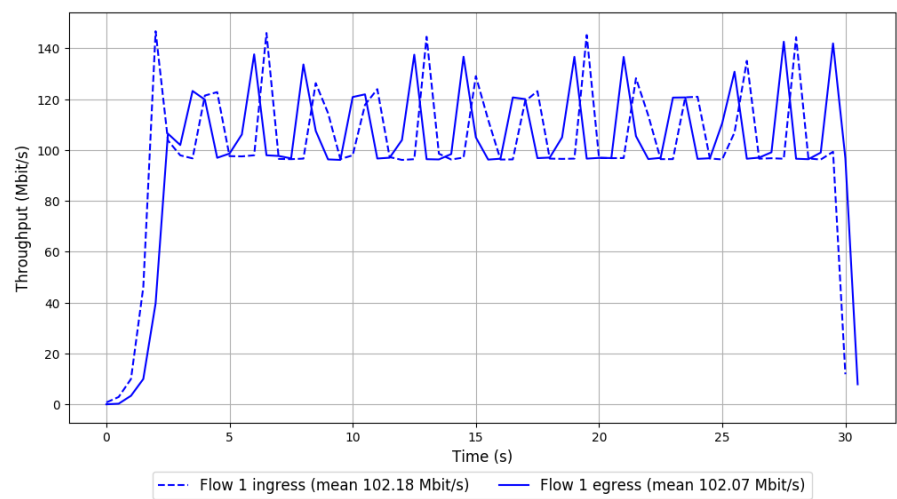


Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 14:09:22
End at: 2018-06-29 14:09:52
Local clock offset: 3.054 ms
Remote clock offset: -3.071 ms

Below is generated by plot.py at 2018-06-29 16:10:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.07 Mbit/s
95th percentile per-packet one-way delay: 117.465 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 102.07 Mbit/s
95th percentile per-packet one-way delay: 117.465 ms
Loss rate: 0.11%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-29 14:31:34

End at: 2018-06-29 14:32:04

Local clock offset: 0.889 ms

Remote clock offset: -2.34 ms

Below is generated by plot.py at 2018-06-29 16:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

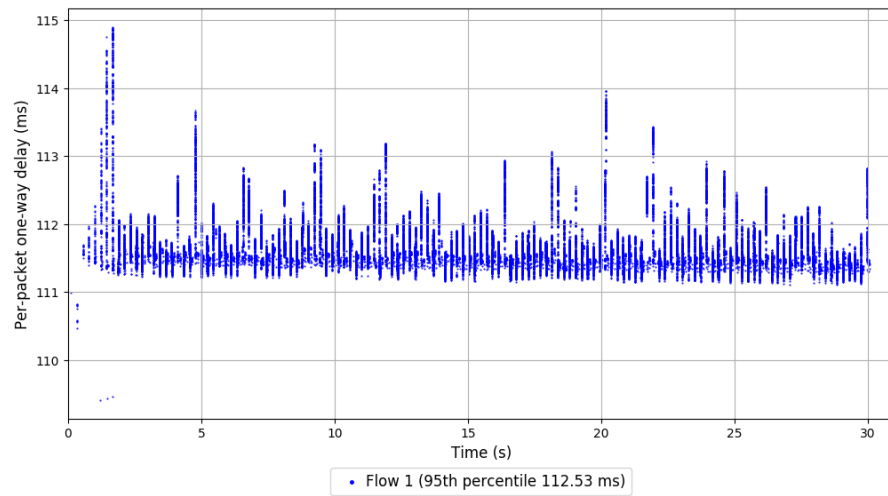
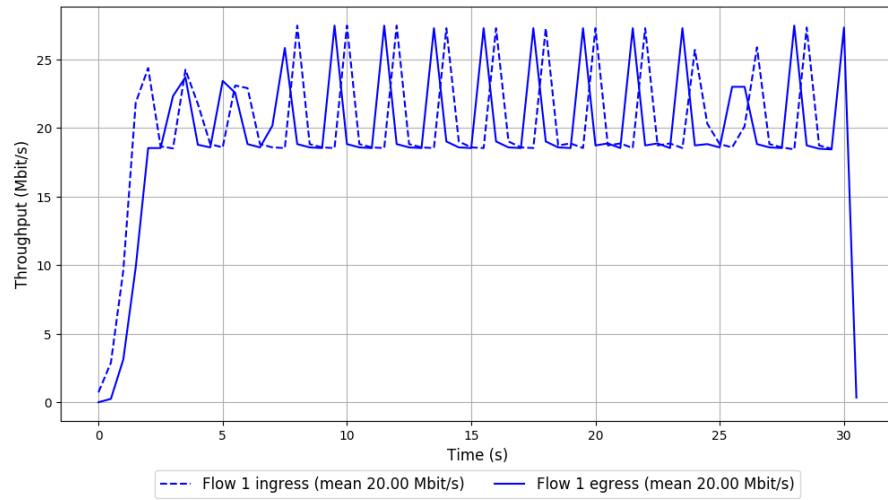
-- Flow 1:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 112.527 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-29 14:53:03

End at: 2018-06-29 14:53:33

Local clock offset: 0.846 ms

Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-06-29 16:10:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 112.141 ms

Loss rate: 0.00%

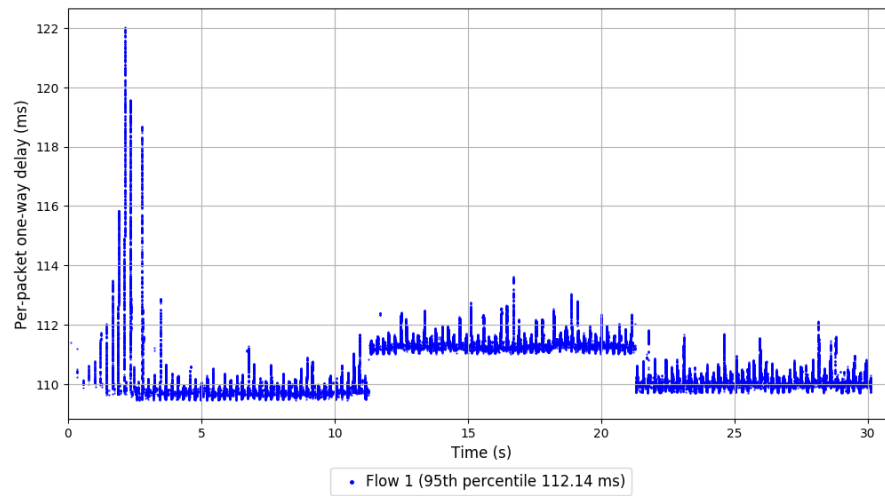
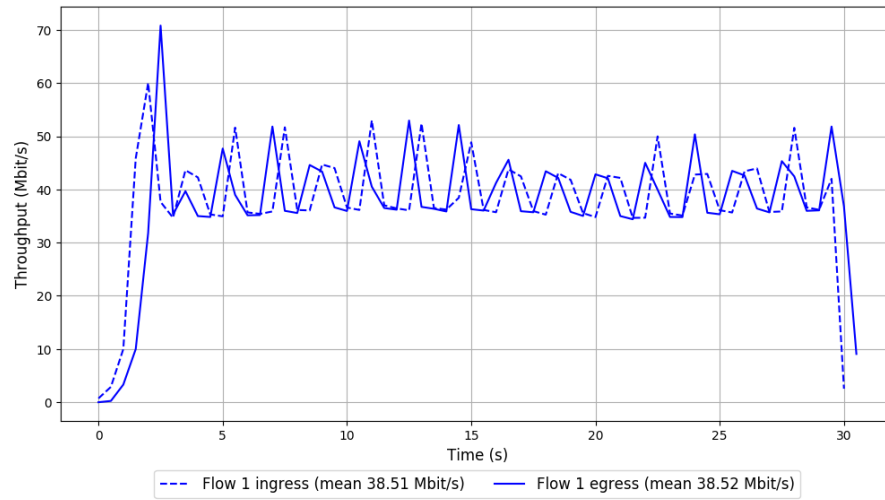
-- Flow 1:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 112.141 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

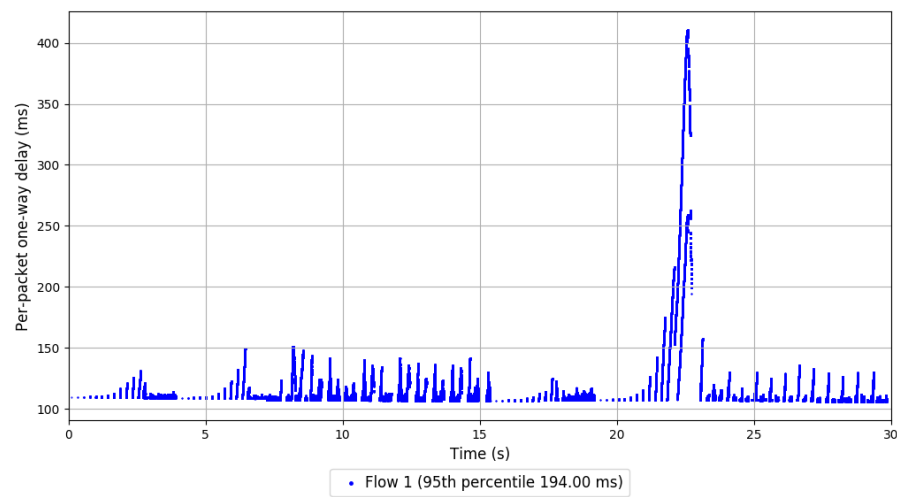
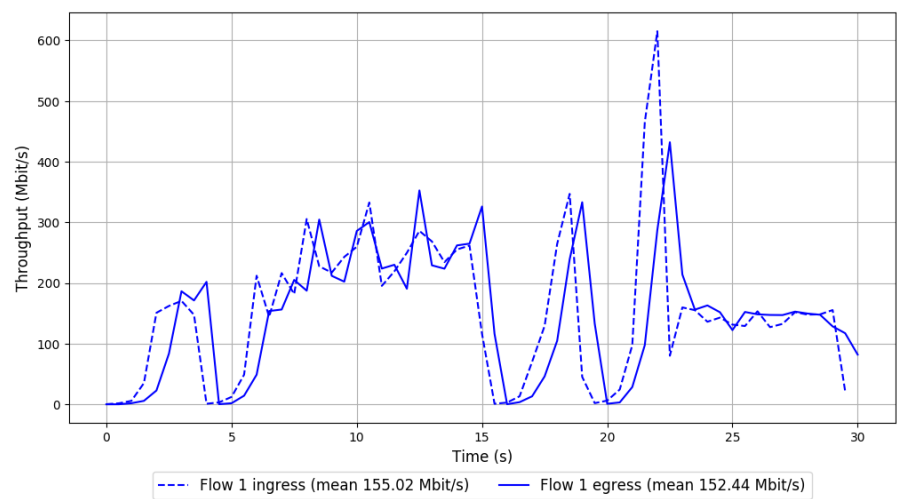


Run 1: Statistics of Verus

Start at: 2018-06-29 11:33:17
End at: 2018-06-29 11:33:47
Local clock offset: 5.874 ms
Remote clock offset: -22.114 ms

Below is generated by plot.py at 2018-06-29 16:11:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.44 Mbit/s
95th percentile per-packet one-way delay: 193.998 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 152.44 Mbit/s
95th percentile per-packet one-way delay: 193.998 ms
Loss rate: 1.67%

Run 1: Report of Verus — Data Link

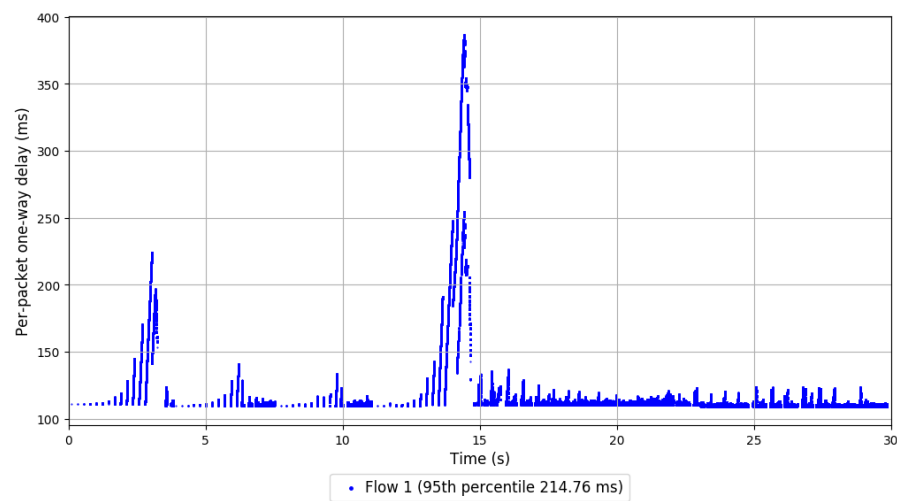
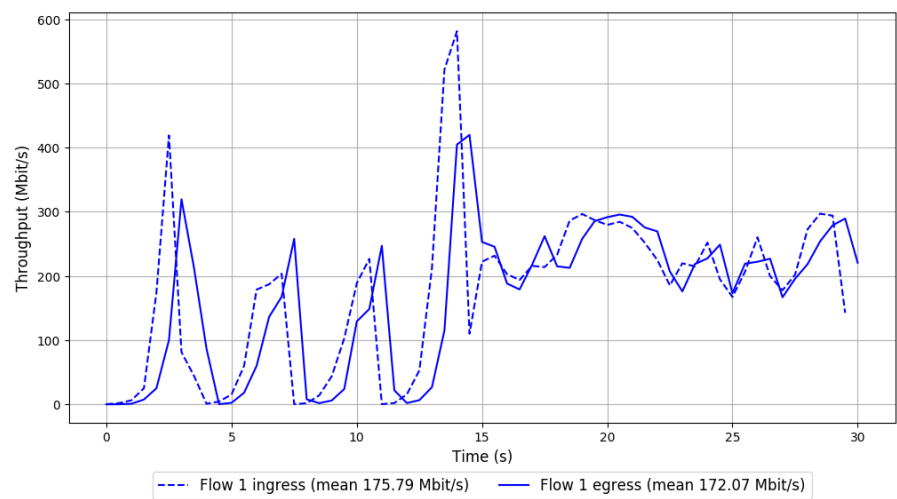


Run 2: Statistics of Verus

Start at: 2018-06-29 11:55:11
End at: 2018-06-29 11:55:41
Local clock offset: 14.924 ms
Remote clock offset: -26.531 ms

Below is generated by plot.py at 2018-06-29 16:12:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.07 Mbit/s
95th percentile per-packet one-way delay: 214.762 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 172.07 Mbit/s
95th percentile per-packet one-way delay: 214.762 ms
Loss rate: 2.12%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-29 12:16:49

End at: 2018-06-29 12:17:19

Local clock offset: 20.551 ms

Remote clock offset: -32.9 ms

Below is generated by plot.py at 2018-06-29 16:12:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.98 Mbit/s

95th percentile per-packet one-way delay: 160.927 ms

Loss rate: 0.00%

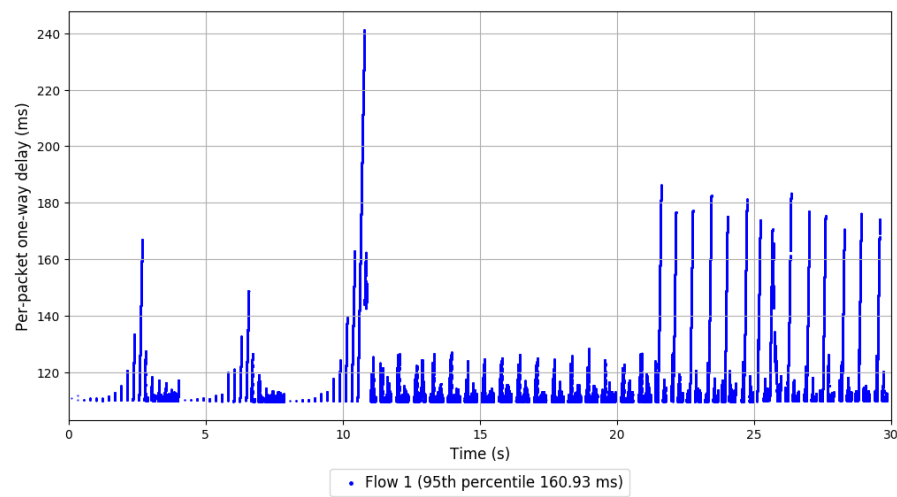
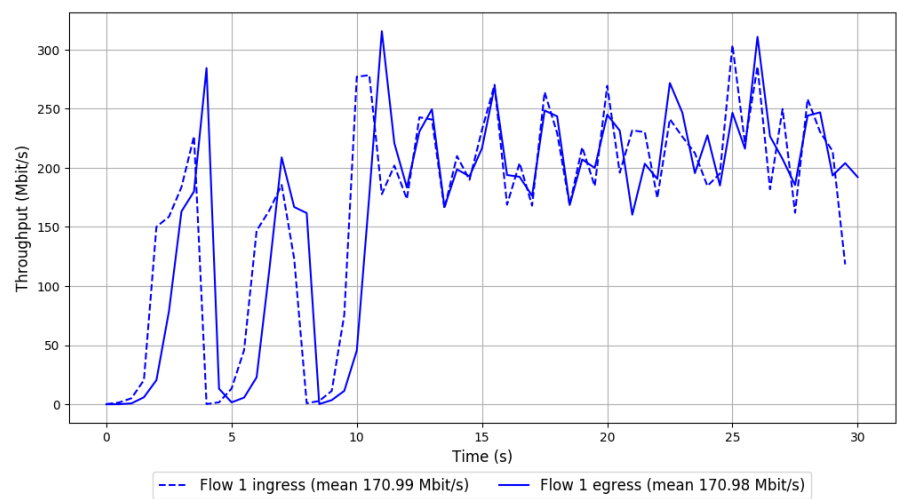
-- Flow 1:

Average throughput: 170.98 Mbit/s

95th percentile per-packet one-way delay: 160.927 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

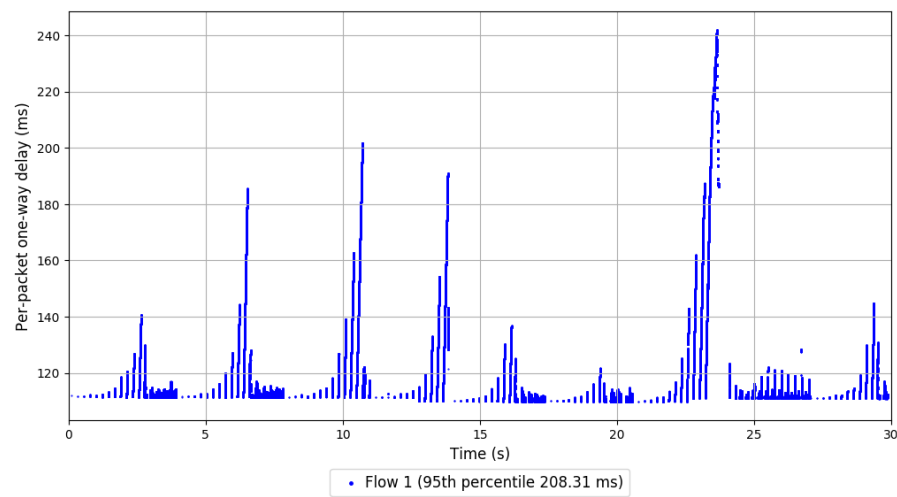
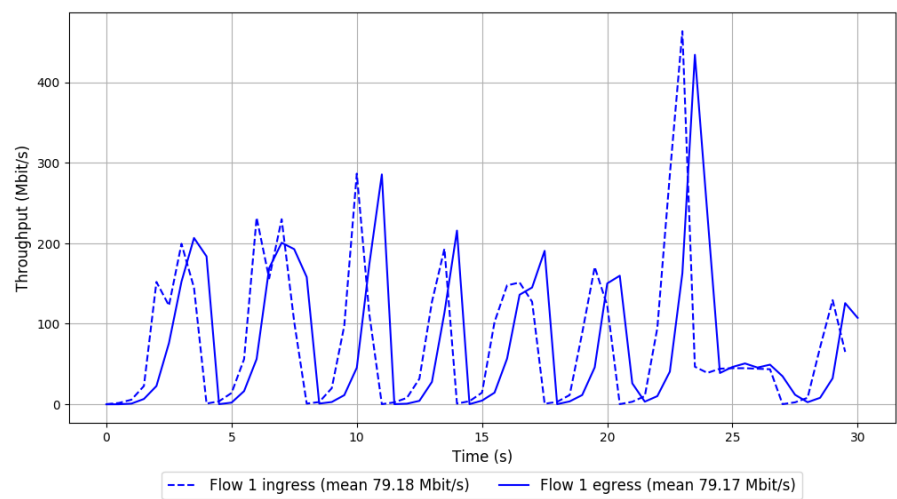


Run 4: Statistics of Verus

Start at: 2018-06-29 12:38:41
End at: 2018-06-29 12:39:11
Local clock offset: 30.177 ms
Remote clock offset: -52.352 ms

Below is generated by plot.py at 2018-06-29 16:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 208.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 208.305 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

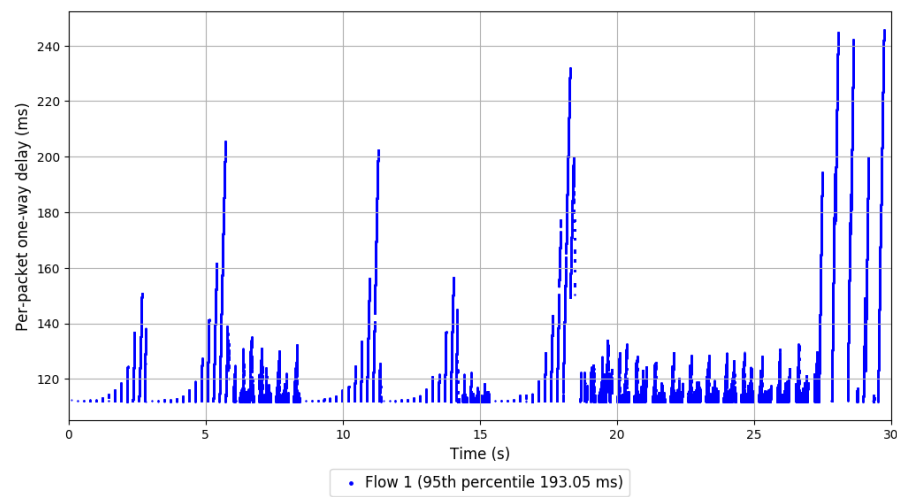
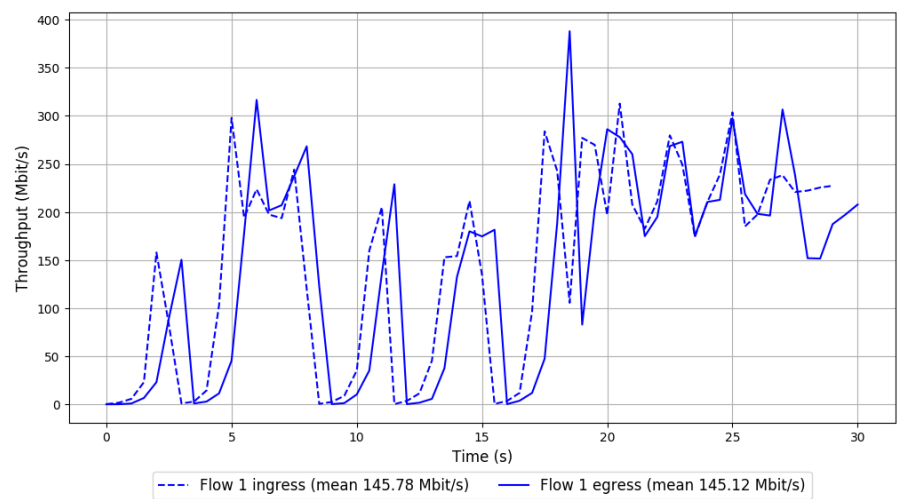


Run 5: Statistics of Verus

Start at: 2018-06-29 13:00:44
End at: 2018-06-29 13:01:14
Local clock offset: 14.432 ms
Remote clock offset: -24.356 ms

Below is generated by plot.py at 2018-06-29 16:12:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.12 Mbit/s
95th percentile per-packet one-way delay: 193.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.12 Mbit/s
95th percentile per-packet one-way delay: 193.050 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

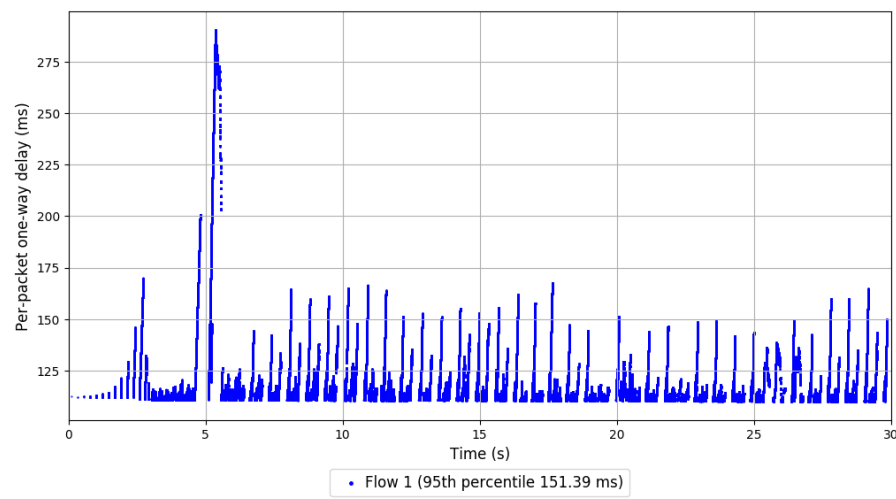
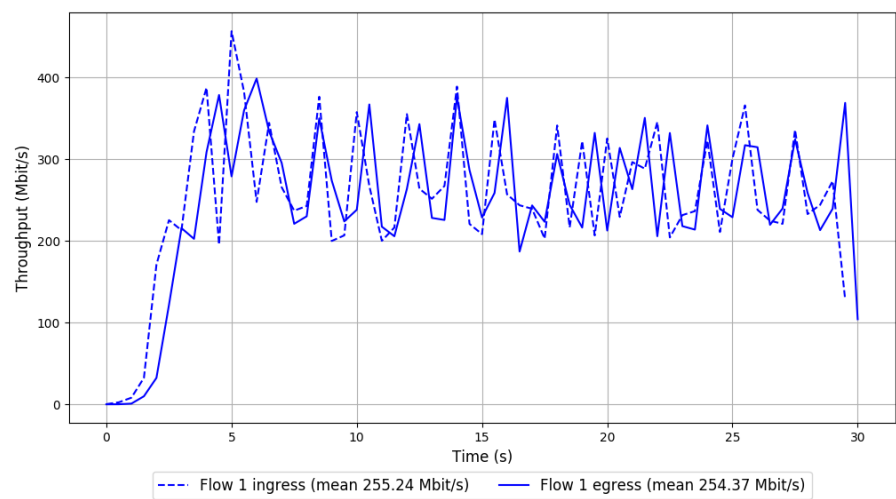


Run 6: Statistics of Verus

Start at: 2018-06-29 13:22:42
End at: 2018-06-29 13:23:12
Local clock offset: 6.2 ms
Remote clock offset: -23.232 ms

Below is generated by plot.py at 2018-06-29 16:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.37 Mbit/s
95th percentile per-packet one-way delay: 151.387 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 254.37 Mbit/s
95th percentile per-packet one-way delay: 151.387 ms
Loss rate: 0.25%

Run 6: Report of Verus — Data Link

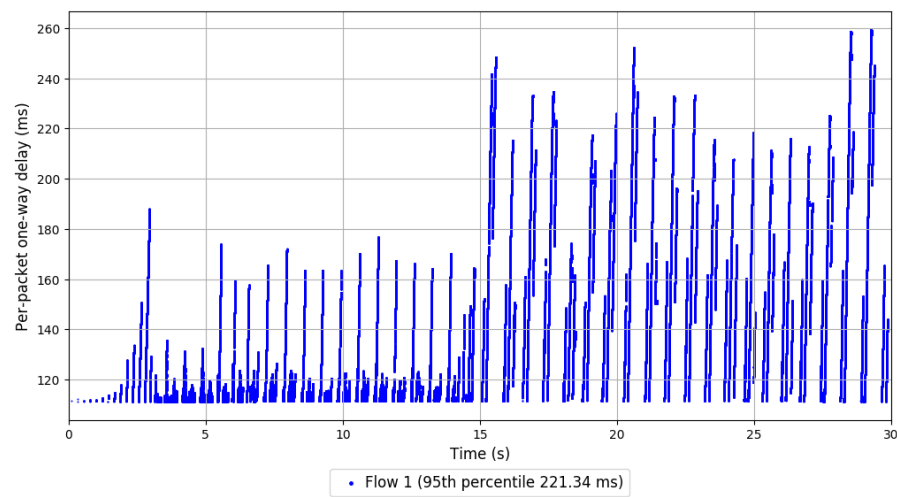
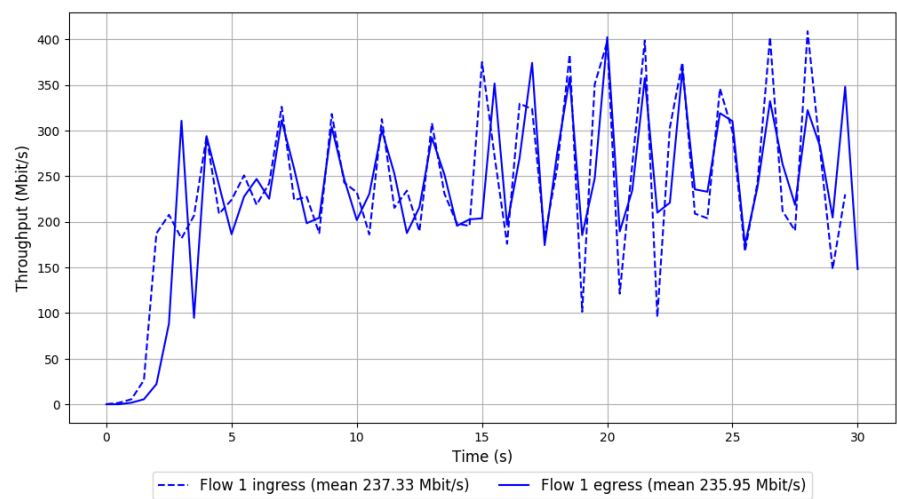


Run 7: Statistics of Verus

Start at: 2018-06-29 13:44:27
End at: 2018-06-29 13:44:57
Local clock offset: 8.228 ms
Remote clock offset: -6.763 ms

Below is generated by plot.py at 2018-06-29 16:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.95 Mbit/s
95th percentile per-packet one-way delay: 221.345 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 235.95 Mbit/s
95th percentile per-packet one-way delay: 221.345 ms
Loss rate: 0.58%

Run 7: Report of Verus — Data Link

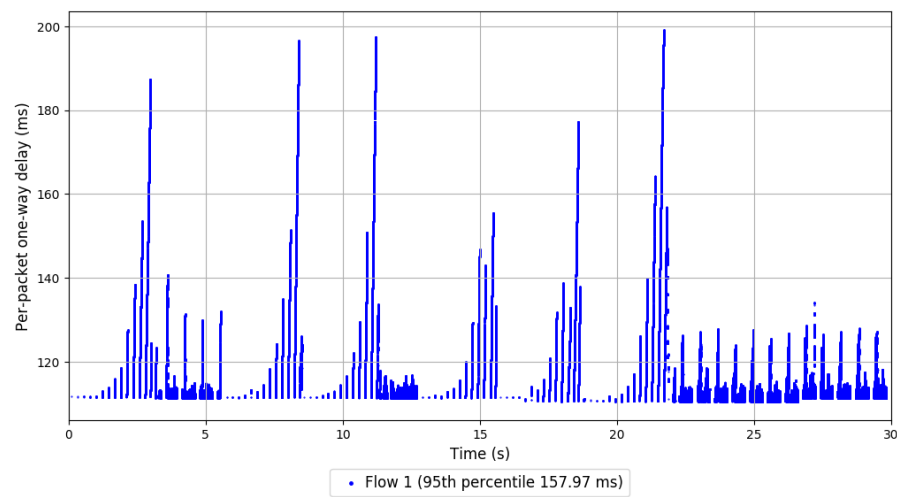
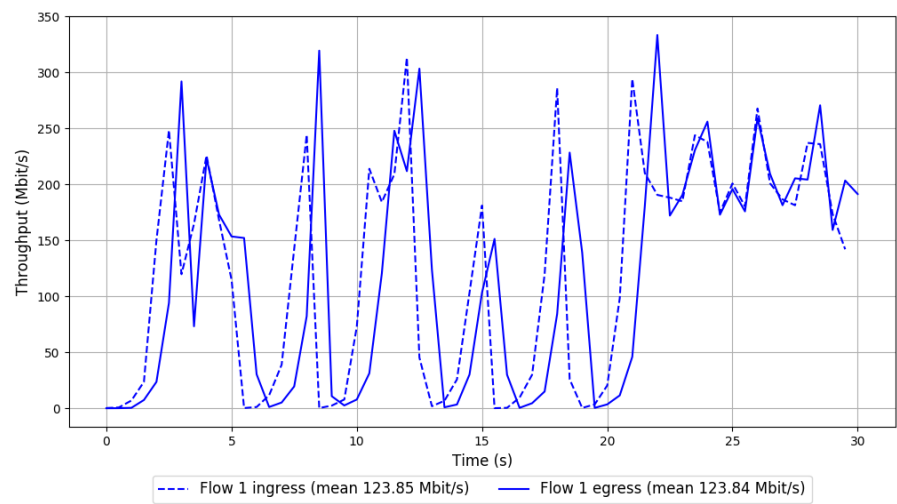


Run 8: Statistics of Verus

Start at: 2018-06-29 14:06:37
End at: 2018-06-29 14:07:07
Local clock offset: 1.839 ms
Remote clock offset: -2.457 ms

Below is generated by plot.py at 2018-06-29 16:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.84 Mbit/s
95th percentile per-packet one-way delay: 157.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.84 Mbit/s
95th percentile per-packet one-way delay: 157.968 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

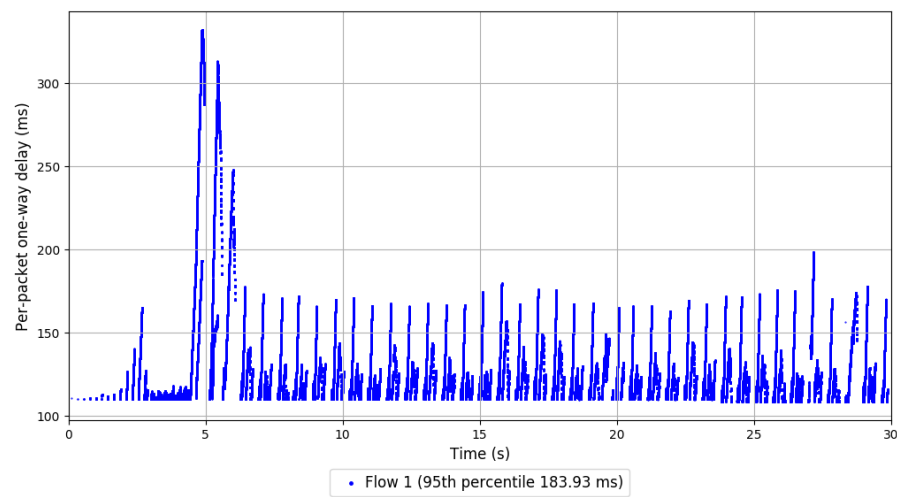
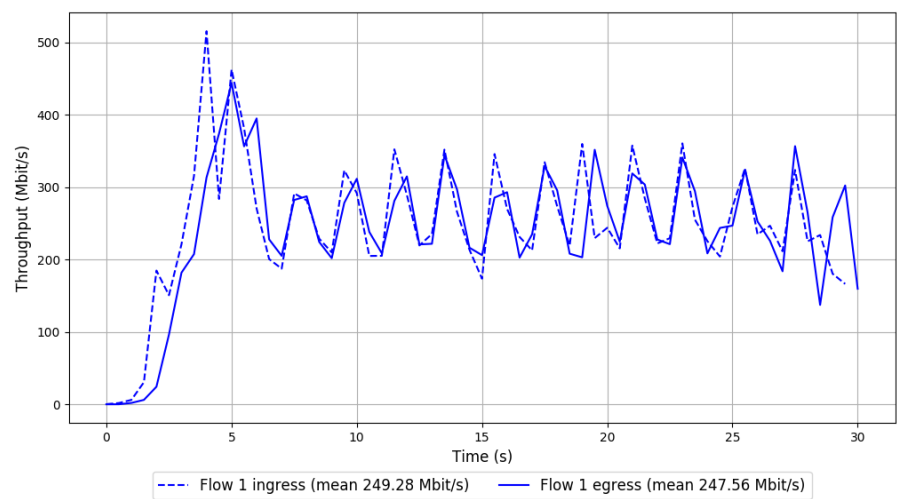


Run 9: Statistics of Verus

Start at: 2018-06-29 14:28:40
End at: 2018-06-29 14:29:10
Local clock offset: 2.293 ms
Remote clock offset: -3.164 ms

Below is generated by plot.py at 2018-06-29 16:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.56 Mbit/s
95th percentile per-packet one-way delay: 183.931 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 247.56 Mbit/s
95th percentile per-packet one-way delay: 183.931 ms
Loss rate: 0.69%

Run 9: Report of Verus — Data Link

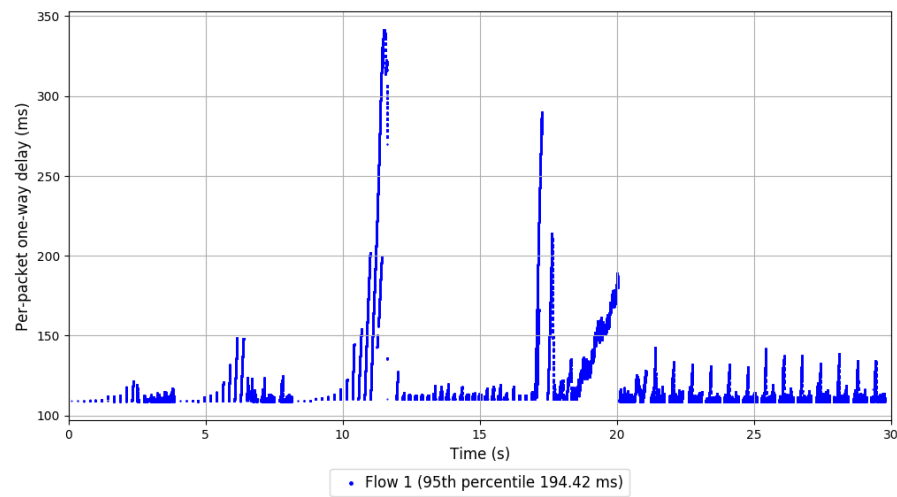
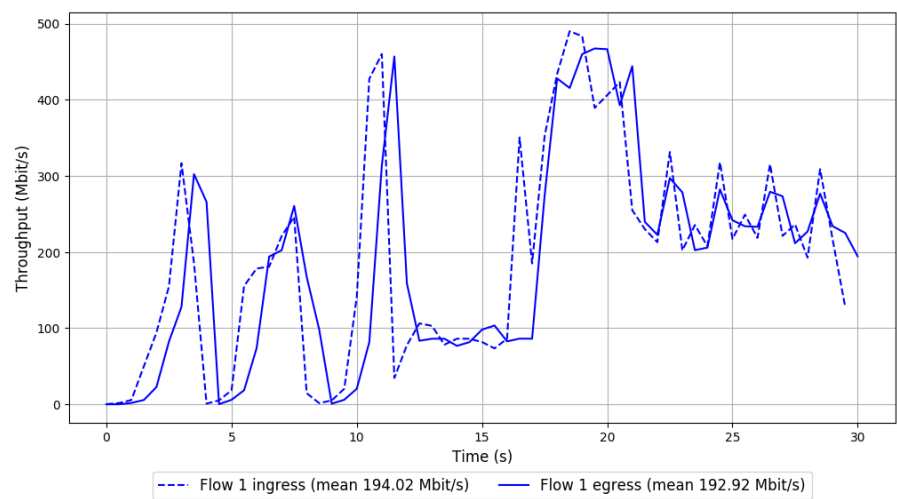


Run 10: Statistics of Verus

Start at: 2018-06-29 14:50:15
End at: 2018-06-29 14:50:45
Local clock offset: 2.07 ms
Remote clock offset: -1.234 ms

Below is generated by plot.py at 2018-06-29 16:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.92 Mbit/s
95th percentile per-packet one-way delay: 194.423 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 192.92 Mbit/s
95th percentile per-packet one-way delay: 194.423 ms
Loss rate: 0.56%

Run 10: Report of Verus — Data Link

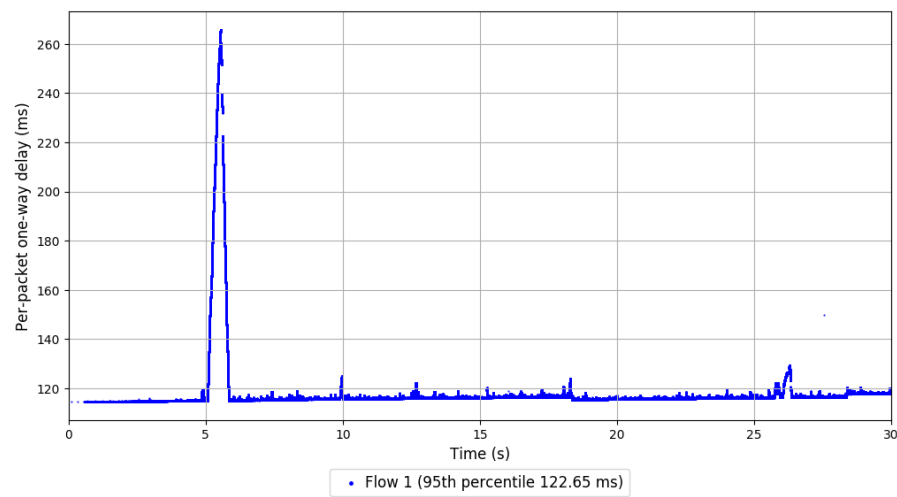
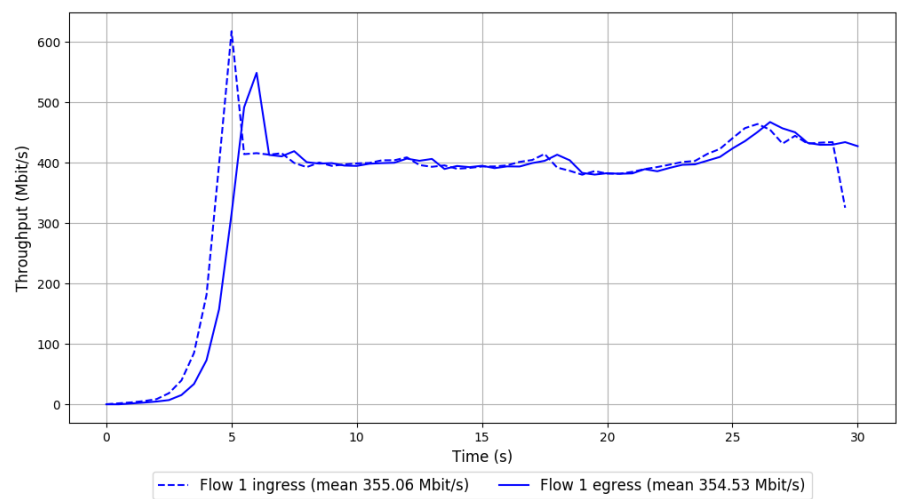


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 11:41:58
End at: 2018-06-29 11:42:28
Local clock offset: 8.316 ms
Remote clock offset: -35.694 ms

Below is generated by plot.py at 2018-06-29 16:17:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.53 Mbit/s
95th percentile per-packet one-way delay: 122.654 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 354.53 Mbit/s
95th percentile per-packet one-way delay: 122.654 ms
Loss rate: 0.14%

Run 1: Report of PCC-Vivace — Data Link

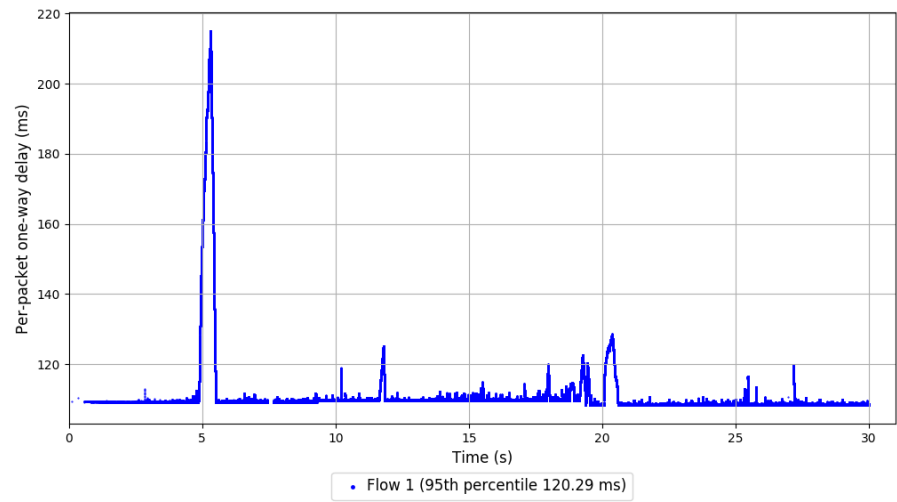
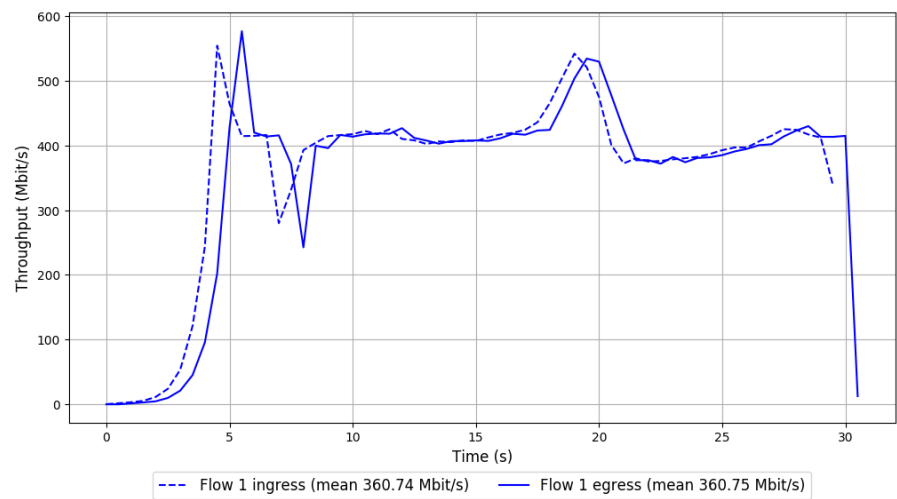


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 12:03:57
End at: 2018-06-29 12:04:27
Local clock offset: 24.37 ms
Remote clock offset: -27.282 ms

Below is generated by plot.py at 2018-06-29 16:17:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 360.75 Mbit/s
95th percentile per-packet one-way delay: 120.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 360.75 Mbit/s
95th percentile per-packet one-way delay: 120.292 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

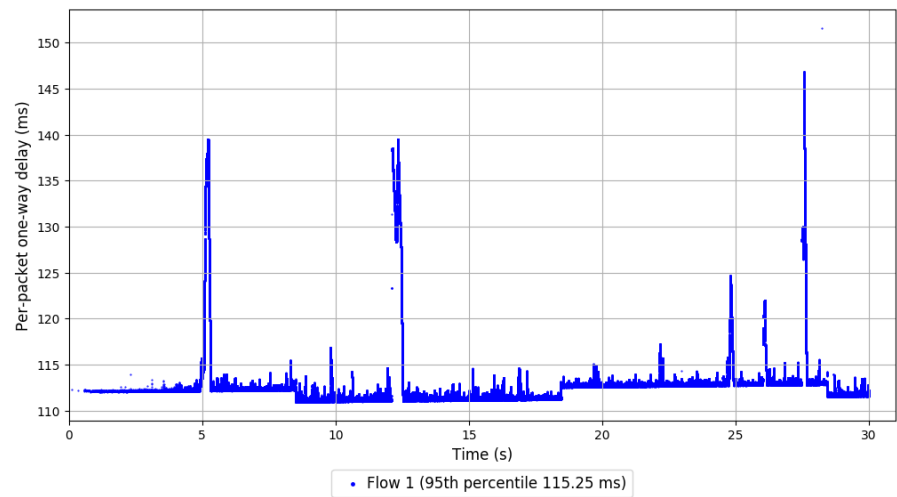
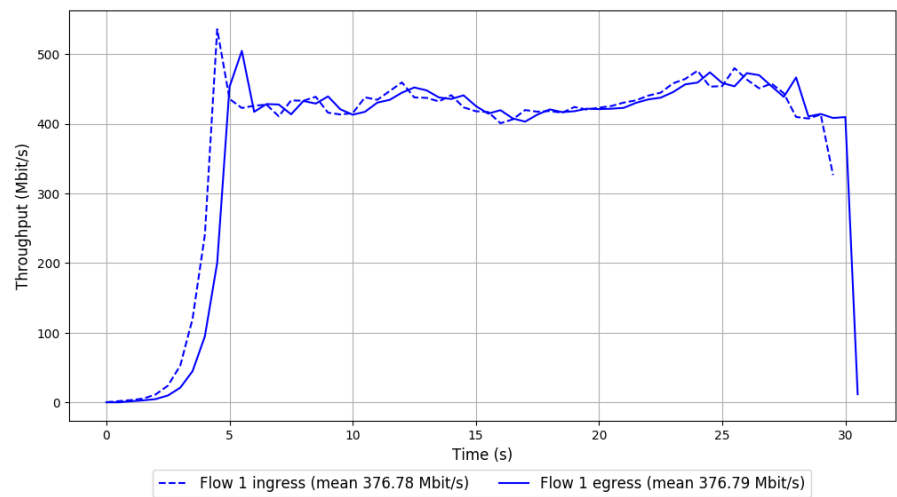


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 12:25:26
End at: 2018-06-29 12:25:56
Local clock offset: 25.308 ms
Remote clock offset: -34.265 ms

Below is generated by plot.py at 2018-06-29 16:18:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.79 Mbit/s
95th percentile per-packet one-way delay: 115.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.79 Mbit/s
95th percentile per-packet one-way delay: 115.245 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

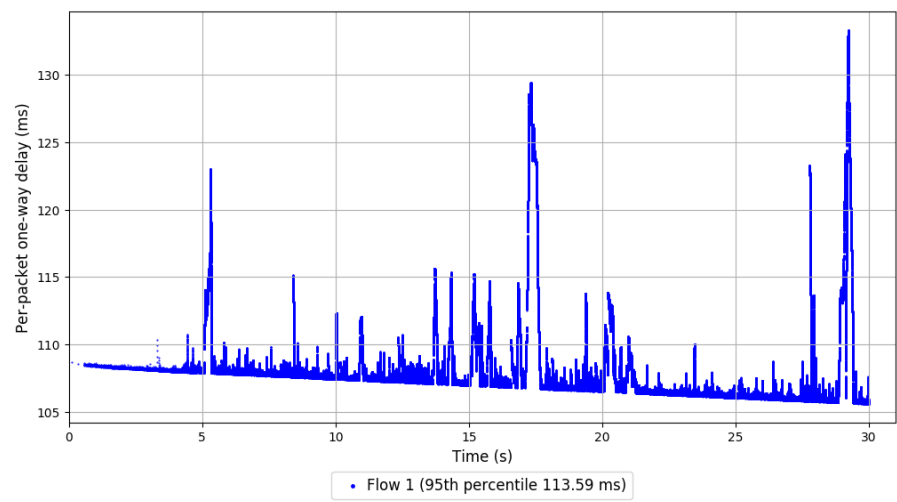
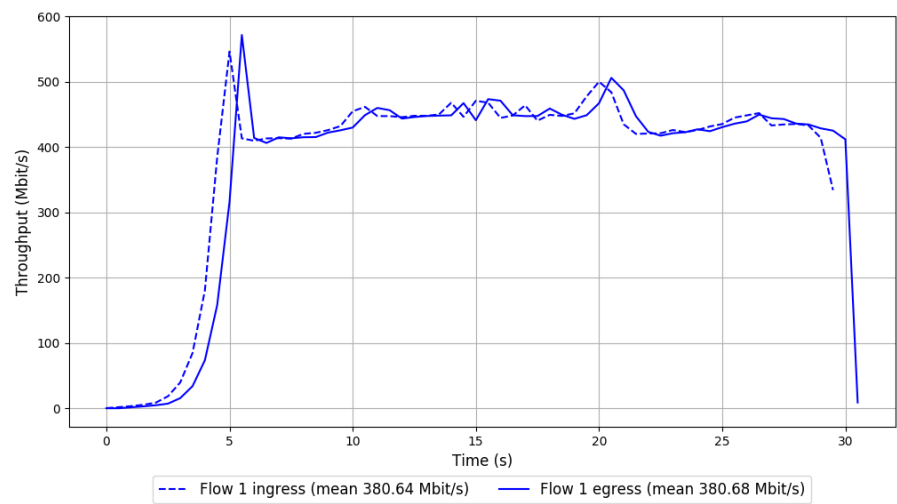


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 12:47:21
End at: 2018-06-29 12:47:51
Local clock offset: 17.57 ms
Remote clock offset: -53.95 ms

Below is generated by plot.py at 2018-06-29 16:19:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.68 Mbit/s
95th percentile per-packet one-way delay: 113.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.68 Mbit/s
95th percentile per-packet one-way delay: 113.587 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

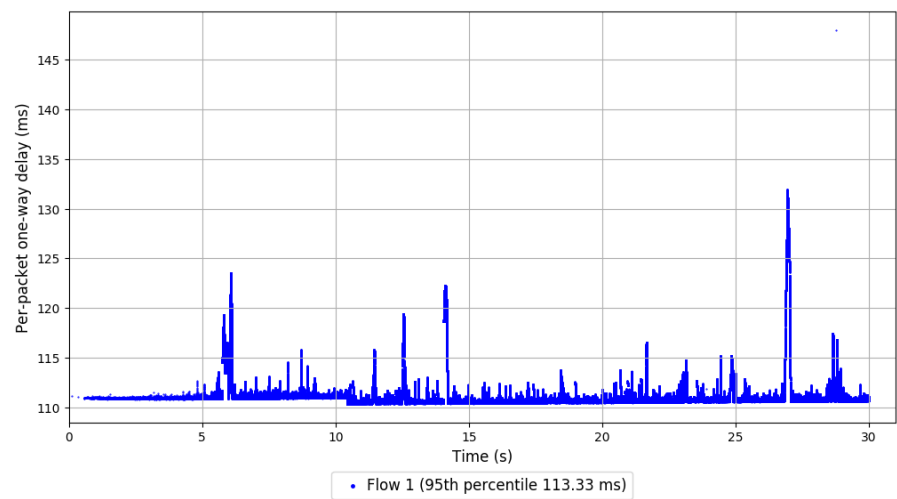
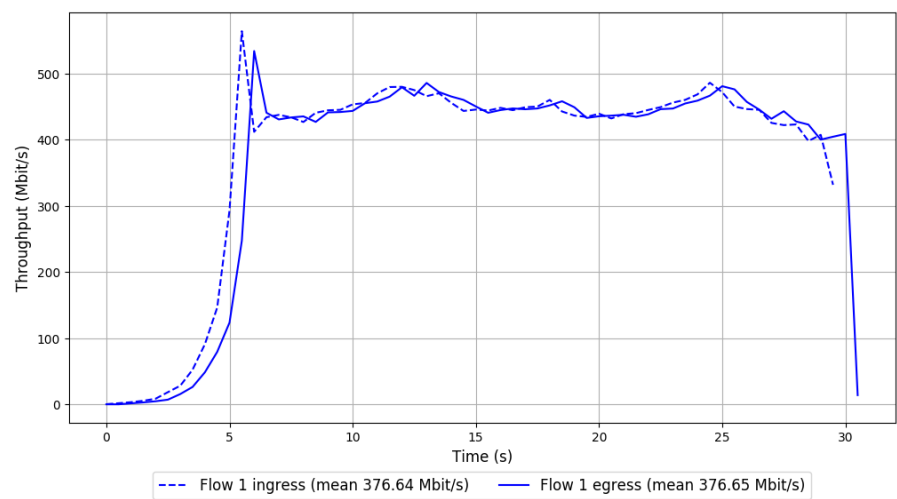


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 13:09:14
End at: 2018-06-29 13:09:44
Local clock offset: 17.313 ms
Remote clock offset: -25.64 ms

Below is generated by plot.py at 2018-06-29 16:20:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.65 Mbit/s
95th percentile per-packet one-way delay: 113.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.65 Mbit/s
95th percentile per-packet one-way delay: 113.335 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

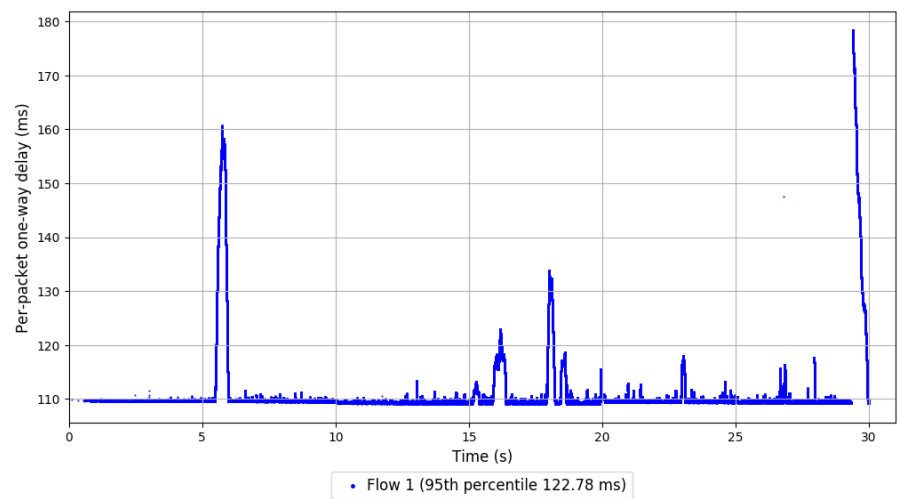
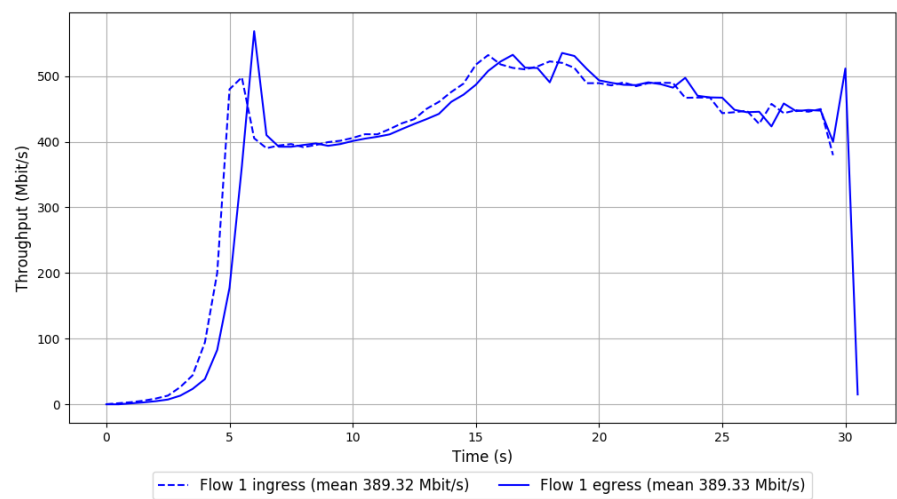


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 13:31:24
End at: 2018-06-29 13:31:54
Local clock offset: 6.905 ms
Remote clock offset: -10.942 ms

Below is generated by plot.py at 2018-06-29 16:20:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.33 Mbit/s
95th percentile per-packet one-way delay: 122.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 389.33 Mbit/s
95th percentile per-packet one-way delay: 122.775 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 13:53:20

End at: 2018-06-29 13:53:50

Local clock offset: 3.884 ms

Remote clock offset: -7.788 ms

Below is generated by plot.py at 2018-06-29 16:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.84 Mbit/s

95th percentile per-packet one-way delay: 113.113 ms

Loss rate: 0.00%

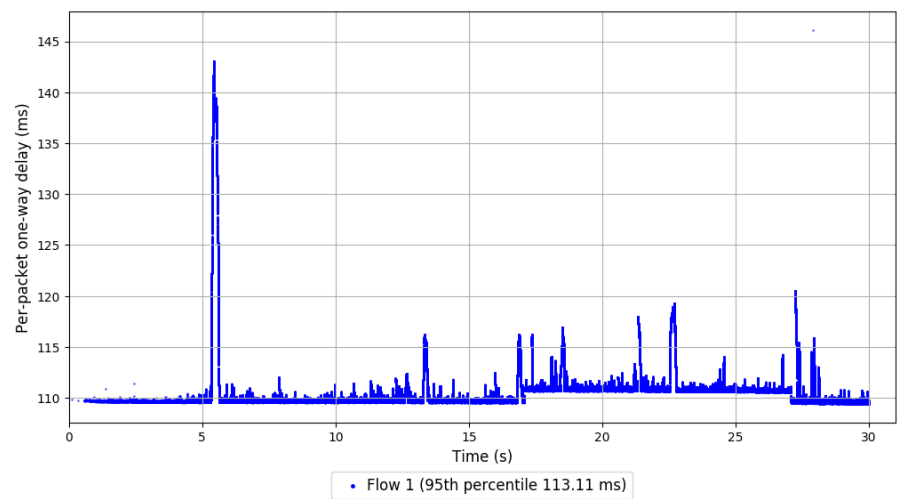
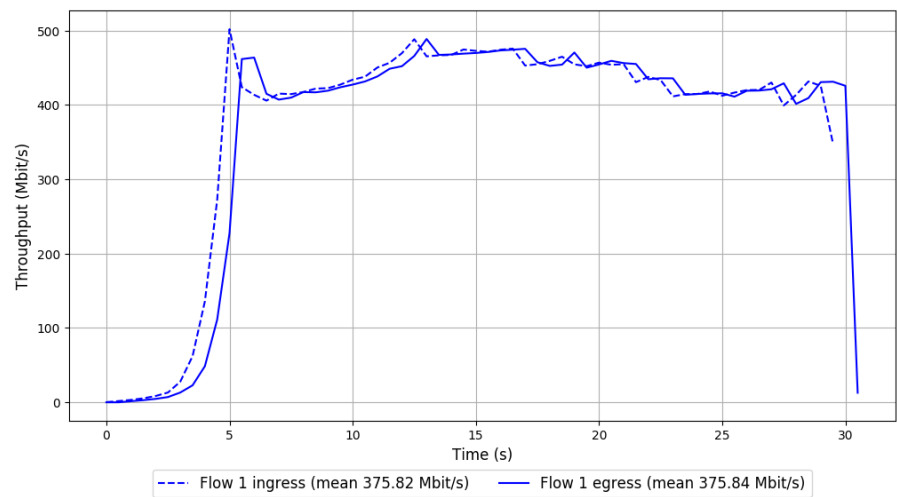
-- Flow 1:

Average throughput: 375.84 Mbit/s

95th percentile per-packet one-way delay: 113.113 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-29 14:15:24

End at: 2018-06-29 14:15:54

Local clock offset: 3.178 ms

Remote clock offset: -2.991 ms

Below is generated by plot.py at 2018-06-29 16:20:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.96 Mbit/s

95th percentile per-packet one-way delay: 110.632 ms

Loss rate: 0.00%

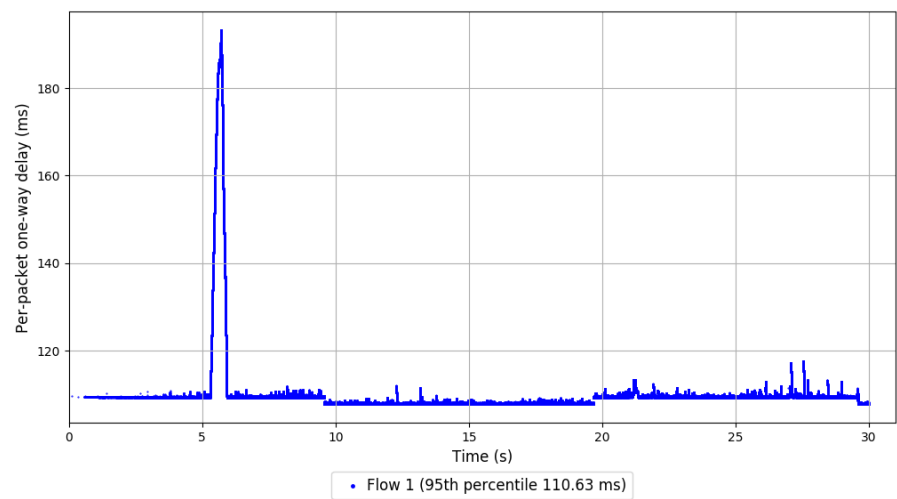
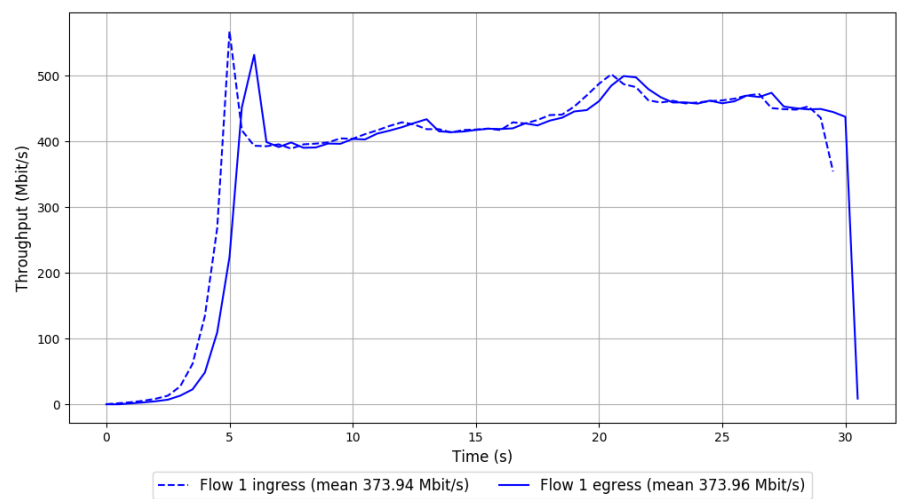
-- Flow 1:

Average throughput: 373.96 Mbit/s

95th percentile per-packet one-way delay: 110.632 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-29 14:37:28

End at: 2018-06-29 14:37:58

Local clock offset: 0.431 ms

Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-06-29 16:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.85 Mbit/s

95th percentile per-packet one-way delay: 117.721 ms

Loss rate: 0.14%

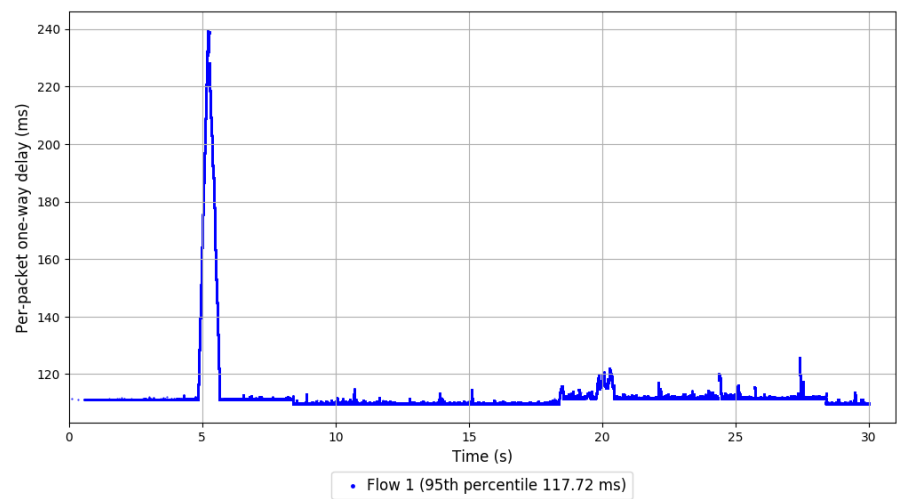
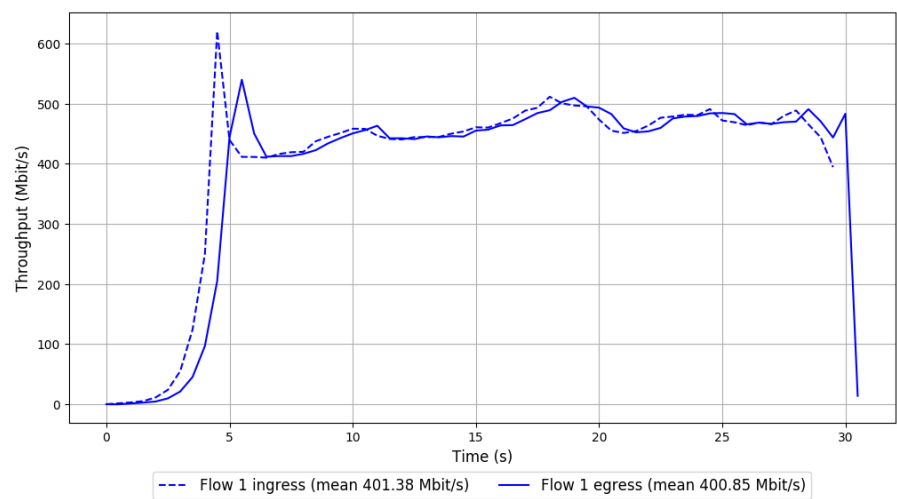
-- Flow 1:

Average throughput: 400.85 Mbit/s

95th percentile per-packet one-way delay: 117.721 ms

Loss rate: 0.14%

Run 9: Report of PCC-Vivace — Data Link

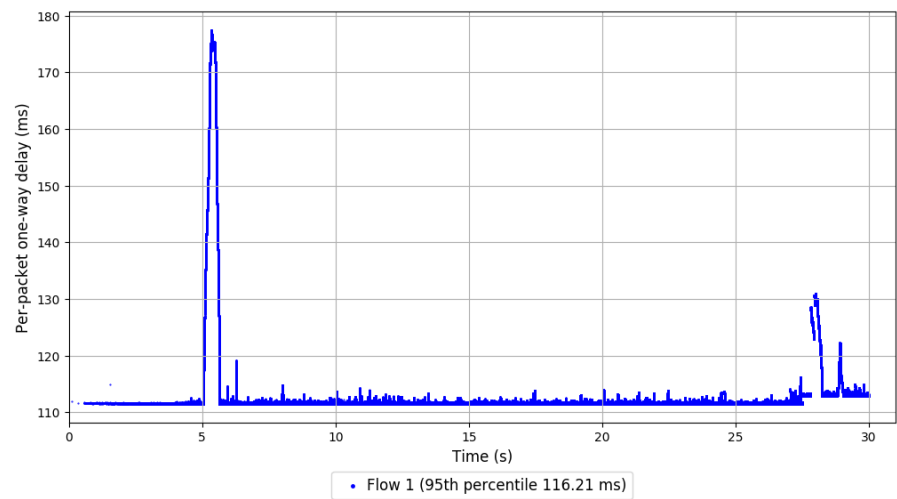
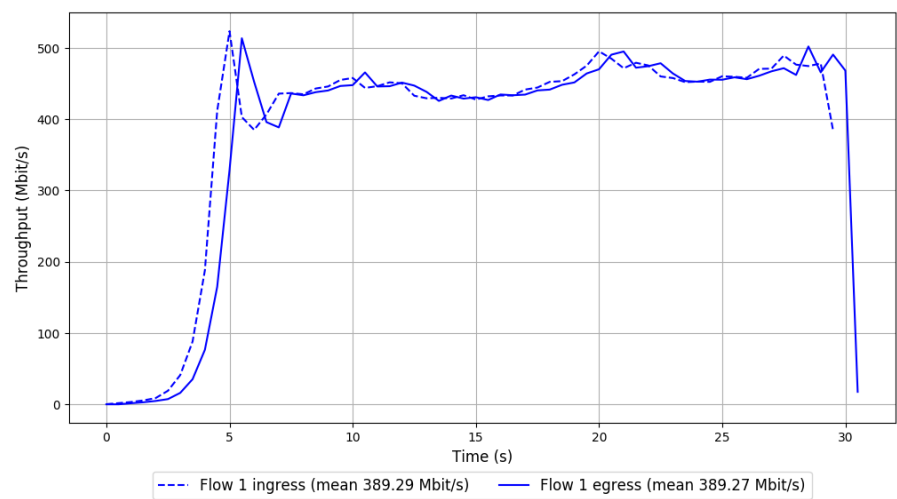


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-29 14:58:49
End at: 2018-06-29 14:59:19
Local clock offset: -1.006 ms
Remote clock offset: -1.495 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.27 Mbit/s
95th percentile per-packet one-way delay: 116.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 389.27 Mbit/s
95th percentile per-packet one-way delay: 116.213 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

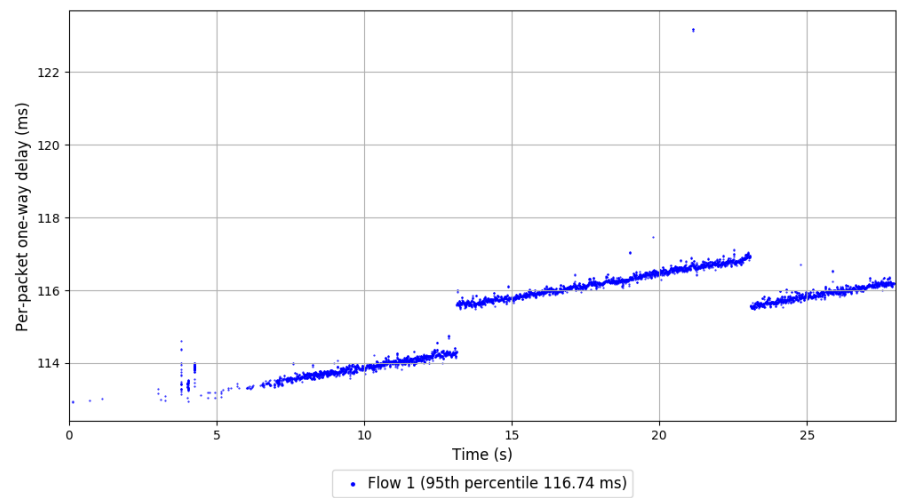
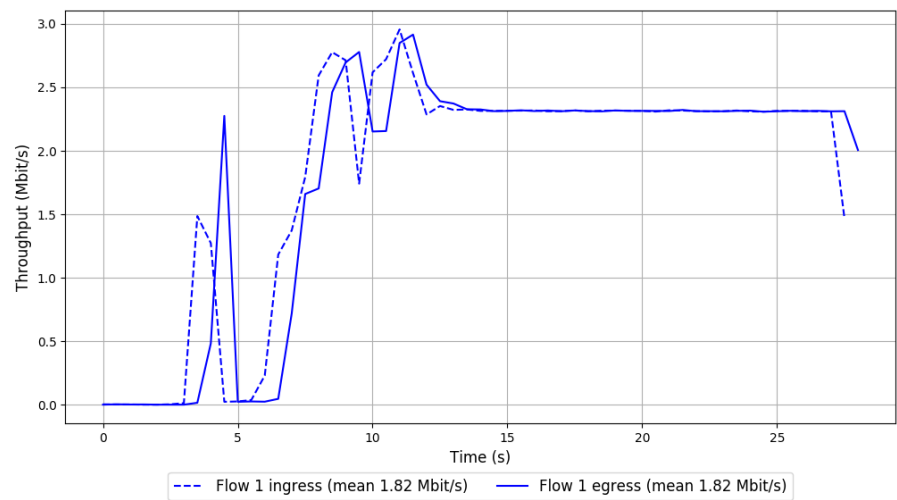


Run 1: Statistics of WebRTC media

Start at: 2018-06-29 11:43:32
End at: 2018-06-29 11:44:02
Local clock offset: 11.656 ms
Remote clock offset: -43.975 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 116.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 116.741 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

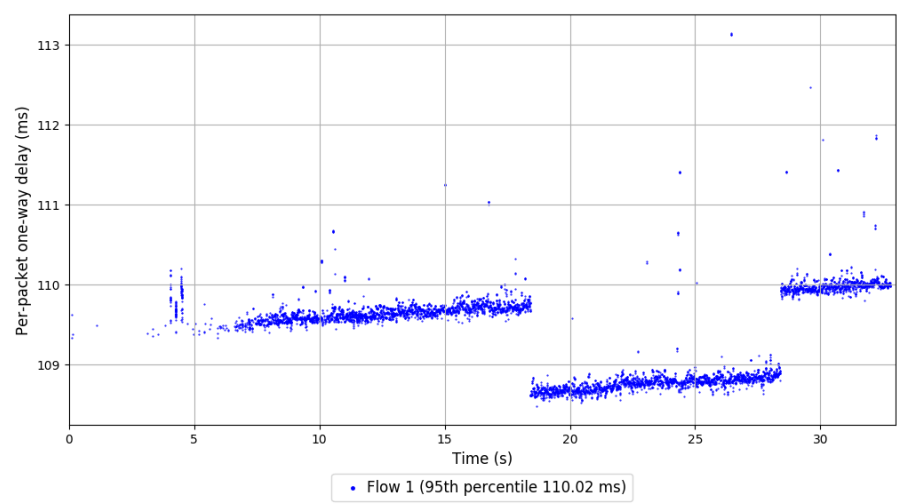
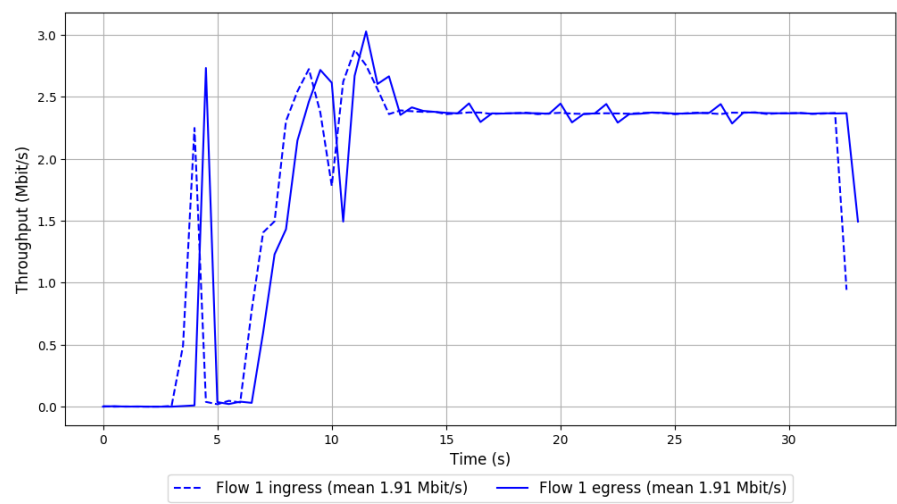


Run 2: Statistics of WebRTC media

Start at: 2018-06-29 12:05:31
End at: 2018-06-29 12:06:01
Local clock offset: 22.19 ms
Remote clock offset: -30.173 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 110.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 110.017 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

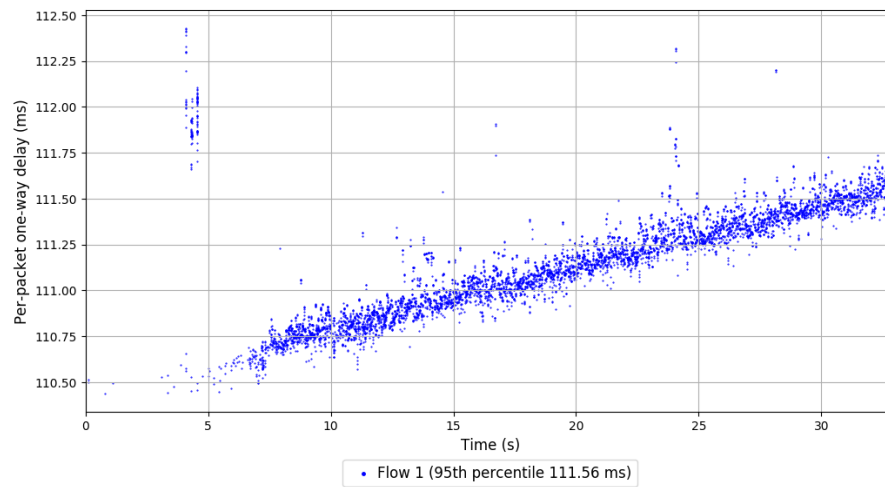
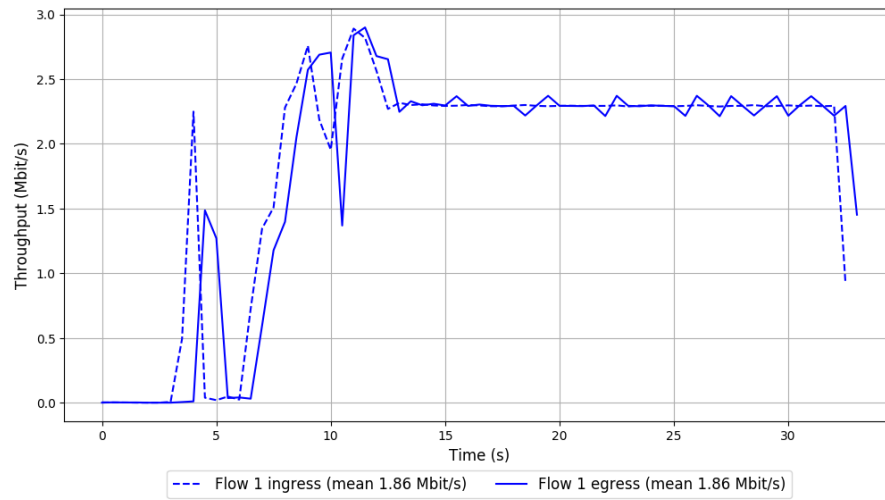


Run 3: Statistics of WebRTC media

Start at: 2018-06-29 12:27:01
End at: 2018-06-29 12:27:31
Local clock offset: 26.557 ms
Remote clock offset: -35.927 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.560 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

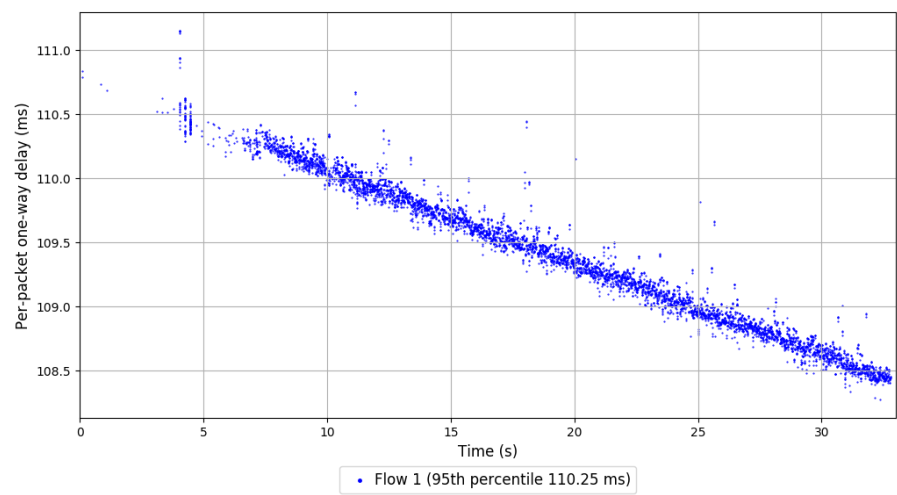
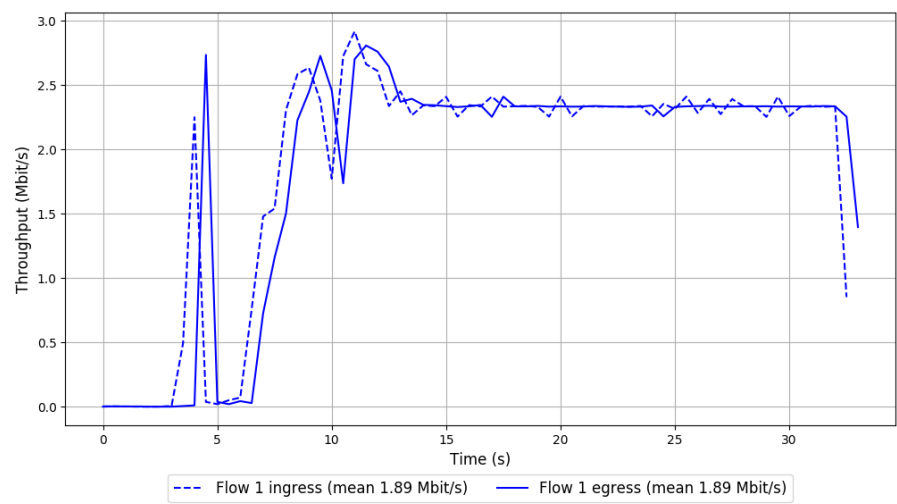


Run 4: Statistics of WebRTC media

Start at: 2018-06-29 12:48:56
End at: 2018-06-29 12:49:26
Local clock offset: 15.451 ms
Remote clock offset: -46.231 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.250 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

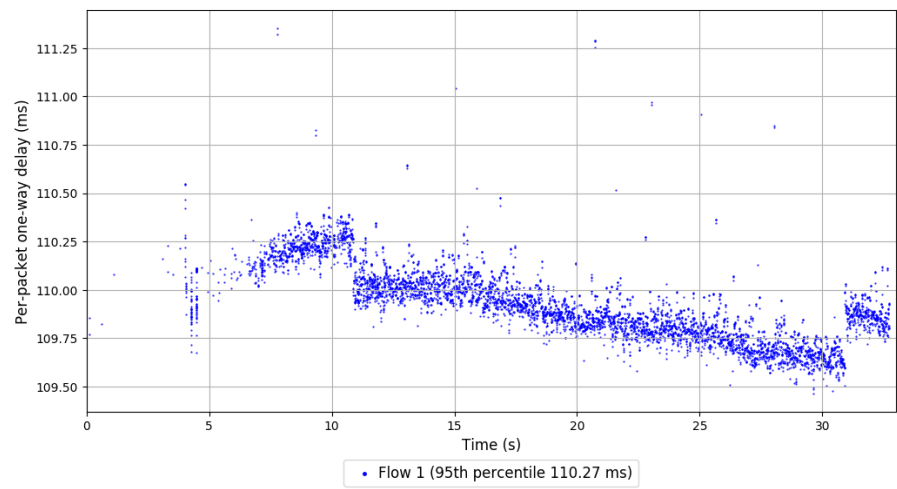
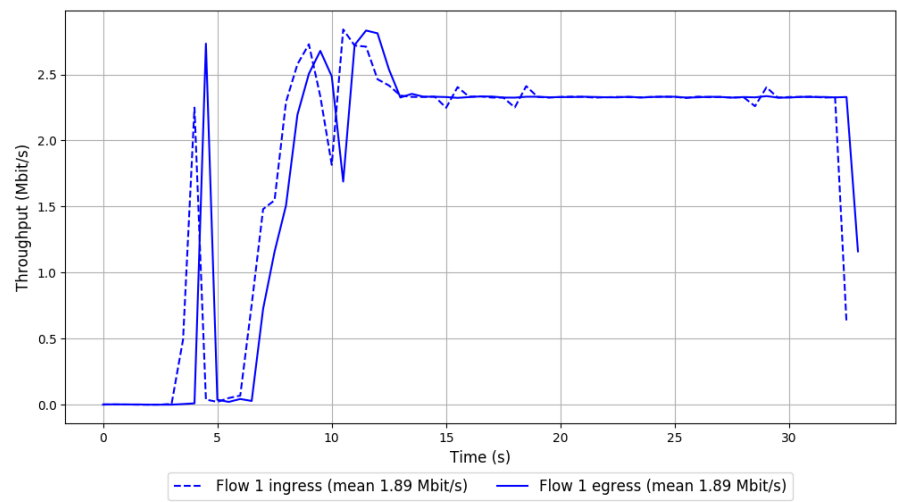


Run 5: Statistics of WebRTC media

Start at: 2018-06-29 13:10:49
End at: 2018-06-29 13:11:19
Local clock offset: 18.517 ms
Remote clock offset: -26.461 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 110.266 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

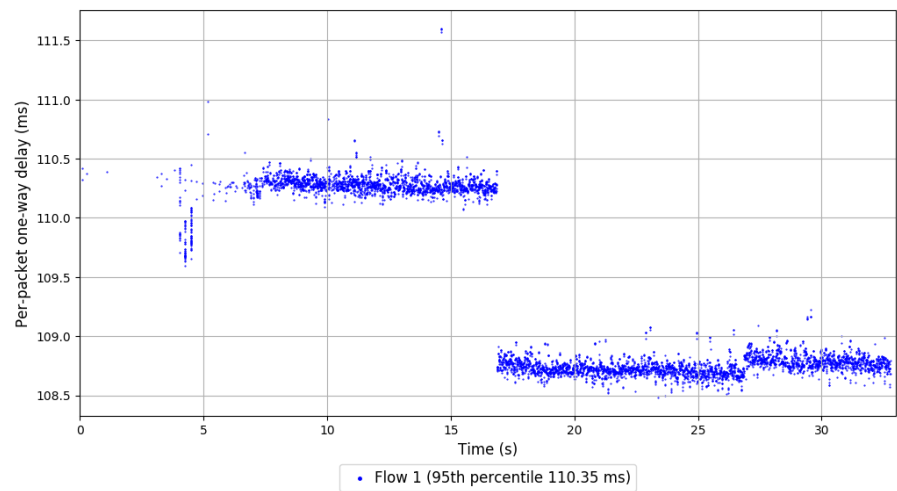
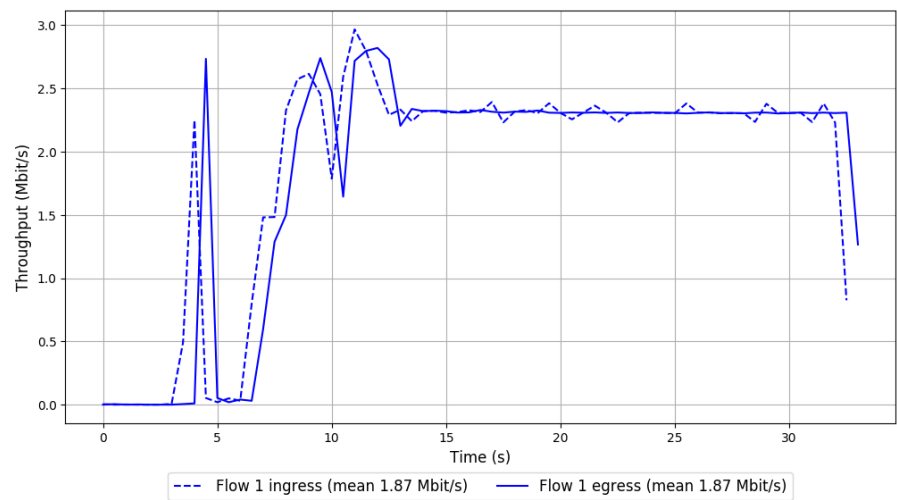


Run 6: Statistics of WebRTC media

Start at: 2018-06-29 13:33:00
End at: 2018-06-29 13:33:30
Local clock offset: 7.982 ms
Remote clock offset: -9.495 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.352 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.352 ms
Loss rate: 0.02%

Run 6: Report of WebRTC media — Data Link

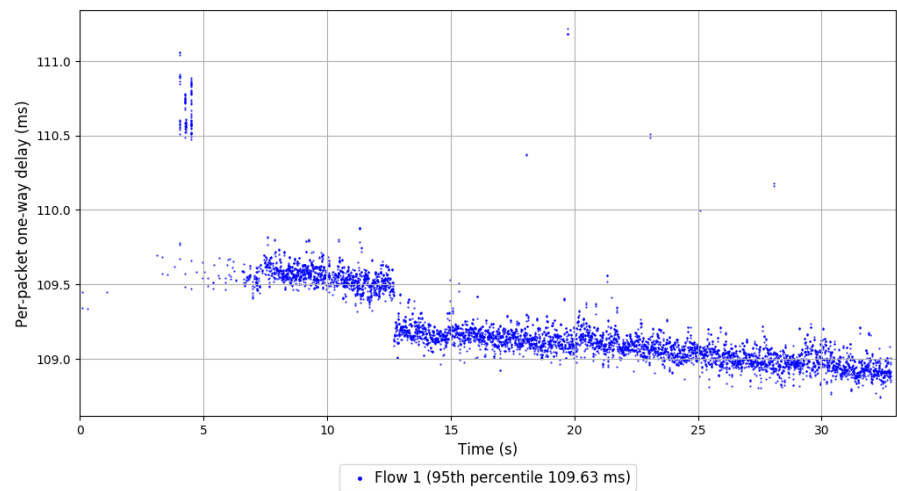
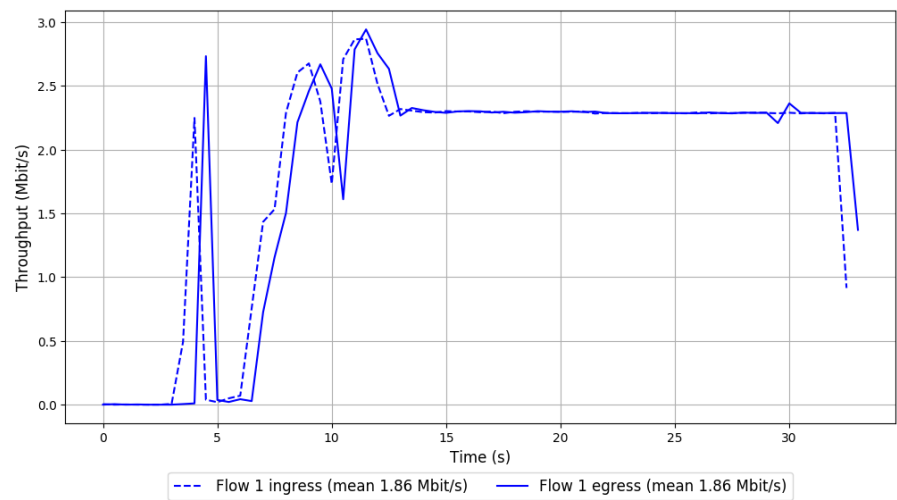


Run 7: Statistics of WebRTC media

Start at: 2018-06-29 13:54:54
End at: 2018-06-29 13:55:24
Local clock offset: 3.438 ms
Remote clock offset: -7.142 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 109.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 109.628 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

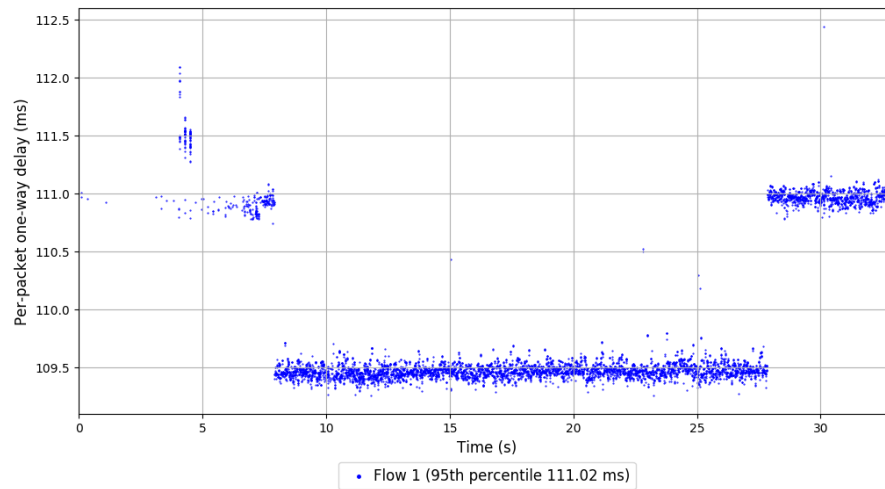
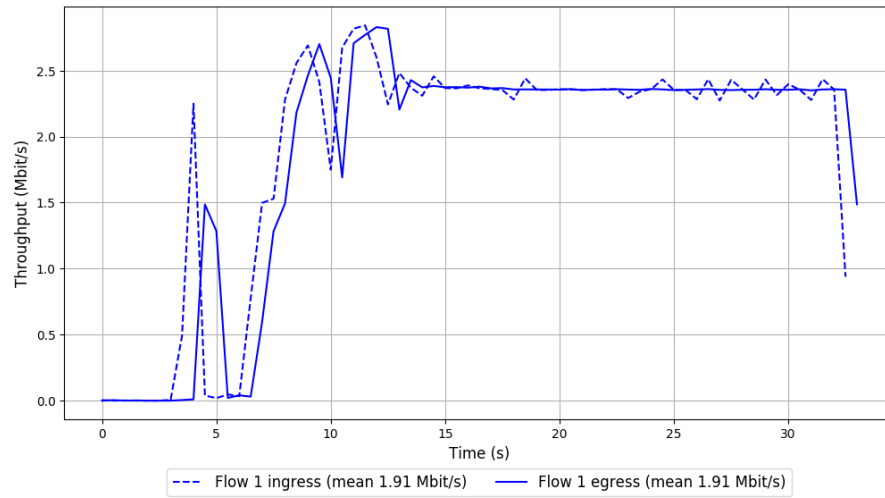


Run 8: Statistics of WebRTC media

Start at: 2018-06-29 14:16:59
End at: 2018-06-29 14:17:29
Local clock offset: 1.742 ms
Remote clock offset: -3.057 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.022 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

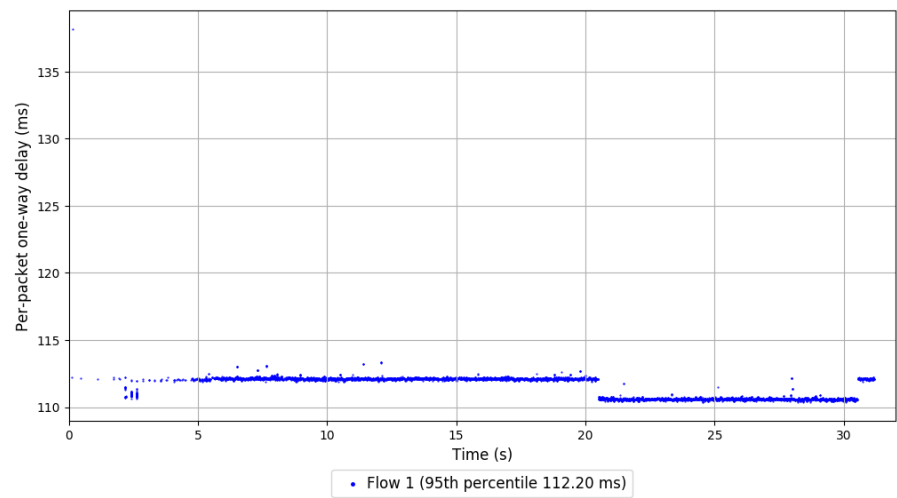
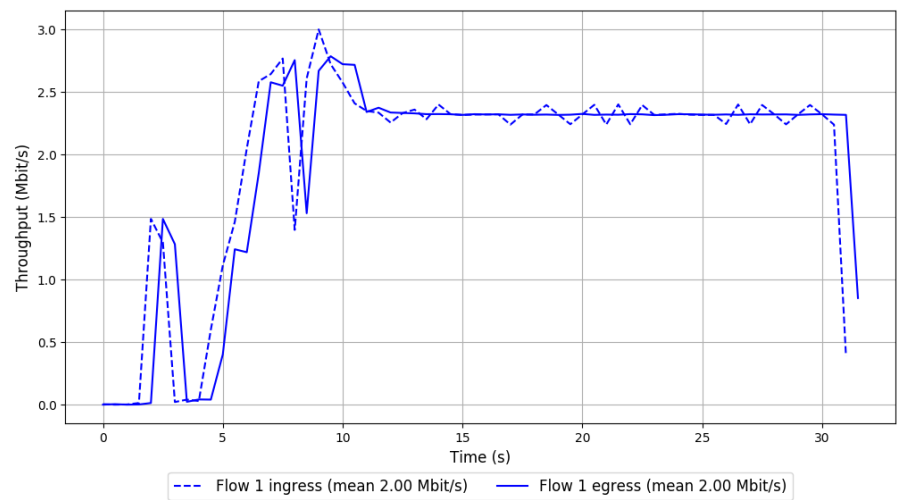


Run 9: Statistics of WebRTC media

Start at: 2018-06-29 14:39:05
End at: 2018-06-29 14:39:35
Local clock offset: 0.508 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2018-06-29 16:21:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 112.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 112.199 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-29 15:00:25

End at: 2018-06-29 15:00:55

Local clock offset: 0.327 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-06-29 16:21:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 111.896 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

