

## Pantheon Report

Generated at 2017-10-12 14:34:31 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

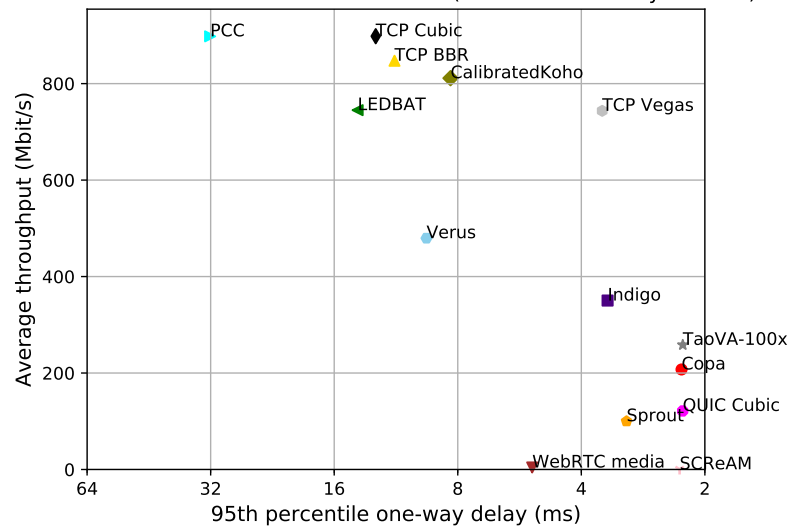
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

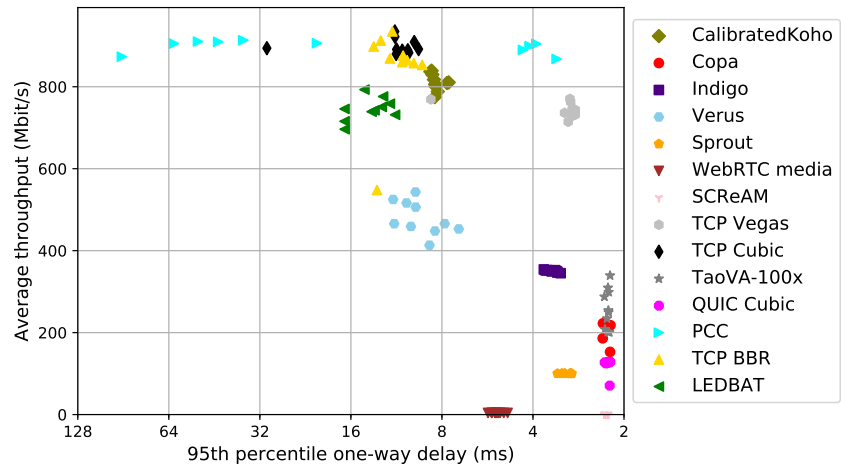
Git summary:

```
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	450.65	427.53	336.40	45.26	9.05	6.80	11.83	20.09	27.54
TCP Cubic	10	551.02	374.20	295.53	15.10	5.11	5.12	0.02	0.02	0.03
LEDBAT	10	426.92	339.20	280.60	15.00	8.95	5.16	0.05	0.10	0.14
PCC	10	710.73	248.19	67.95	38.17	3.53	3.72	0.43	0.05	0.06
QUIC Cubic	10	62.12	62.38	54.47	2.24	2.36	3.05	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	2.31	2.29	2.31	0.00	0.00	0.00
WebRTC media	10	2.33	1.44	0.38	4.78	5.45	6.66	0.00	0.01	0.08
Sprout	10	50.24	50.16	49.91	3.09	3.15	3.03	0.00	0.00	0.00
TaoVA-100x	10	135.70	124.12	151.46	2.26	2.26	2.27	0.00	0.00	0.00
TCP Vegas	10	422.07	341.80	282.81	3.84	2.96	2.88	0.00	0.00	0.00
Verus	10	279.48	209.54	183.80	8.50	11.02	28.26	1.22	2.08	3.94
Copa	10	107.54	102.44	123.48	2.27	2.29	2.40	0.00	0.00	0.00
CalibratedKoho	10	440.09	391.07	334.09	8.21	8.24	7.53	24.27	35.98	54.80
Indigo	10	183.95	173.15	158.46	3.10	3.56	4.04	0.01	0.00	0.00

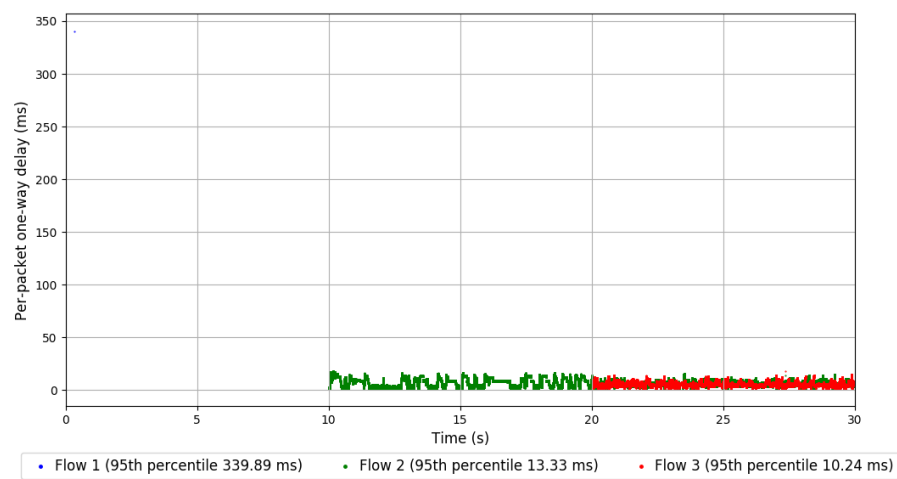
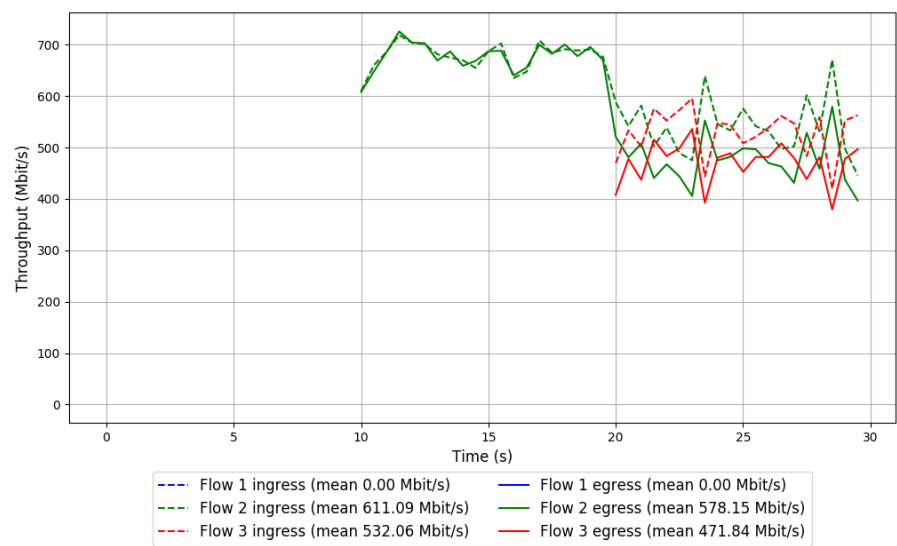
Run 1: Statistics of TCP BBR

Start at: 2017-10-12 06:53:12  
End at: 2017-10-12 06:53:42  
Local clock offset: -0.339 ms  
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2017-10-12 12:30:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 547.91 Mbit/s  
95th percentile per-packet one-way delay: 13.118 ms  
Loss rate: 7.16%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 339.890 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 578.15 Mbit/s  
95th percentile per-packet one-way delay: 13.332 ms  
Loss rate: 5.37%  
-- Flow 3:  
Average throughput: 471.84 Mbit/s  
95th percentile per-packet one-way delay: 10.239 ms  
Loss rate: 11.29%



Run 1: Report of TCP BBR — Data Link

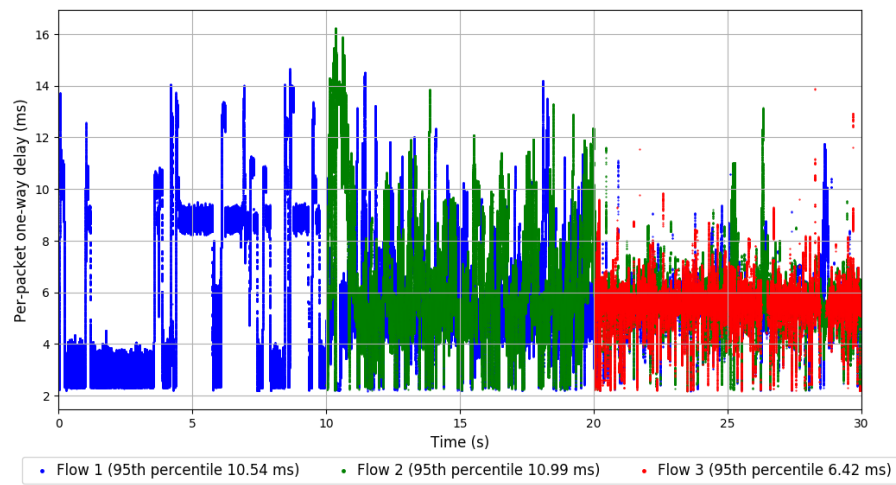
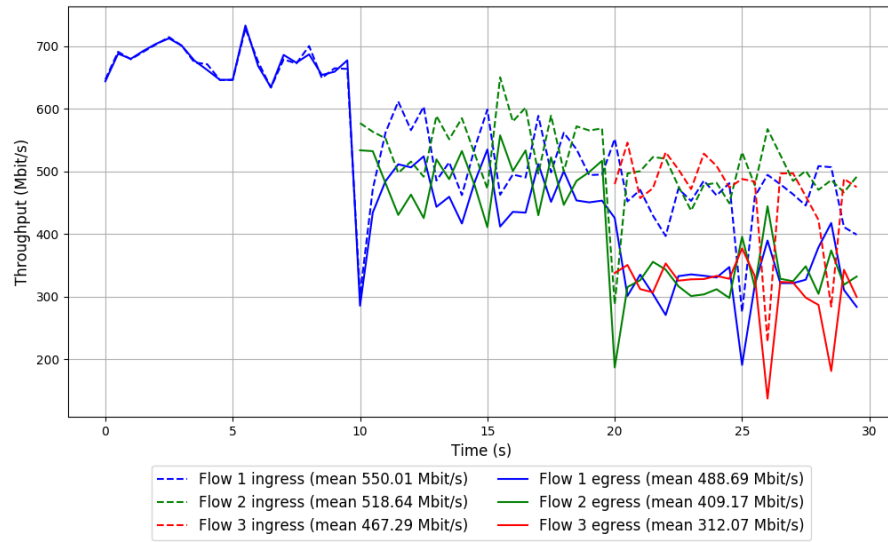


Run 2: Statistics of TCP BBR

Start at: 2017-10-12 07:12:59  
End at: 2017-10-12 07:13:29  
Local clock offset: -0.361 ms  
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2017-10-12 12:37:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 864.81 Mbit/s  
95th percentile per-packet one-way delay: 10.426 ms  
Loss rate: 17.67%  
-- Flow 1:  
Average throughput: 488.69 Mbit/s  
95th percentile per-packet one-way delay: 10.539 ms  
Loss rate: 11.14%  
-- Flow 2:  
Average throughput: 409.17 Mbit/s  
95th percentile per-packet one-way delay: 10.987 ms  
Loss rate: 21.10%  
-- Flow 3:  
Average throughput: 312.07 Mbit/s  
95th percentile per-packet one-way delay: 6.417 ms  
Loss rate: 33.22%

## Run 2: Report of TCP BBR — Data Link

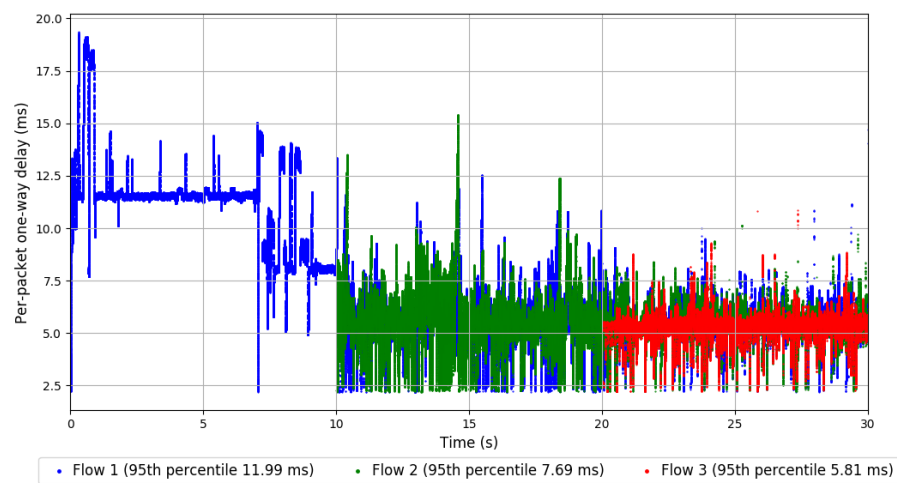
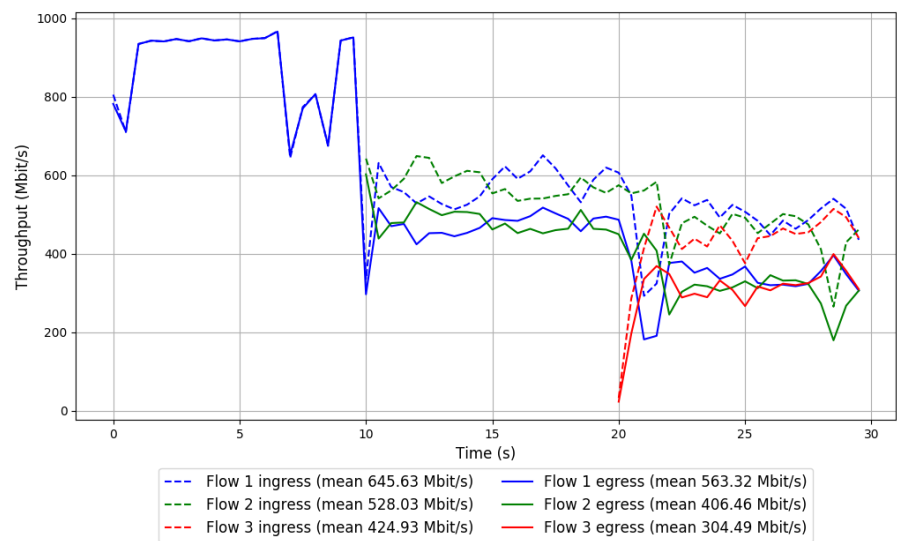


Run 3: Statistics of TCP BBR

Start at: 2017-10-12 07:33:17  
End at: 2017-10-12 07:33:47  
Local clock offset: -0.354 ms  
Remote clock offset: -0.135 ms

# Below is generated by plot.py at 2017-10-12 12:38:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 934.98 Mbit/s  
95th percentile per-packet one-way delay: 11.666 ms  
Loss rate: 17.83%  
-- Flow 1:  
Average throughput: 563.32 Mbit/s  
95th percentile per-packet one-way delay: 11.986 ms  
Loss rate: 12.71%  
-- Flow 2:  
Average throughput: 406.46 Mbit/s  
95th percentile per-packet one-way delay: 7.692 ms  
Loss rate: 23.01%  
-- Flow 3:  
Average throughput: 304.49 Mbit/s  
95th percentile per-packet one-way delay: 5.814 ms  
Loss rate: 28.34%

Run 3: Report of TCP BBR — Data Link

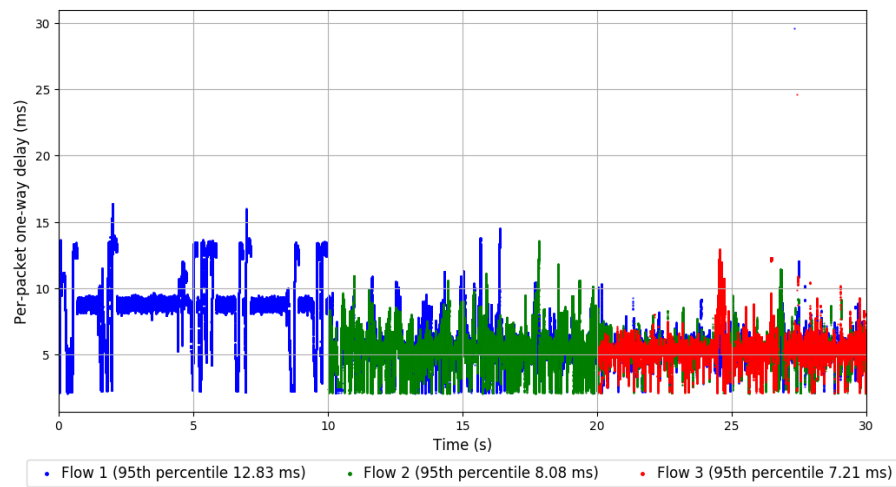
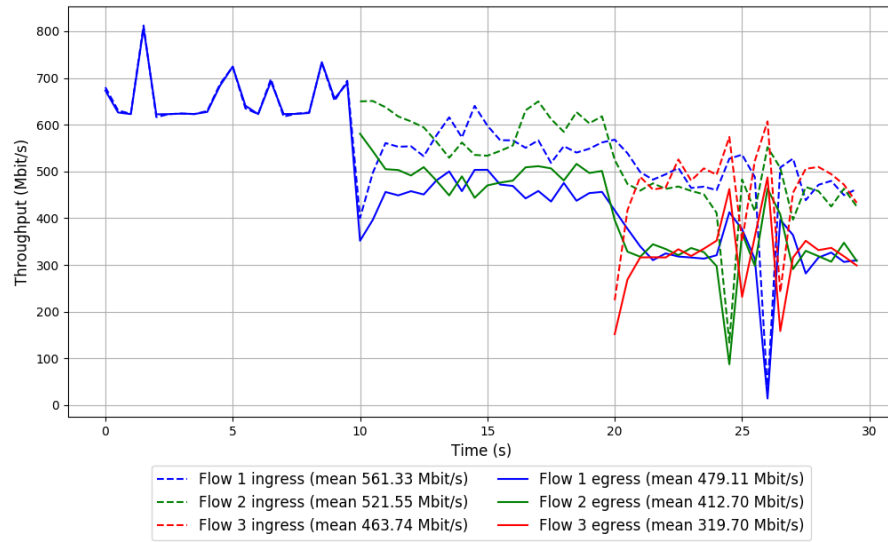


Run 4: Statistics of TCP BBR

Start at: 2017-10-12 07:53:42  
End at: 2017-10-12 07:54:12  
Local clock offset: -0.364 ms  
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2017-10-12 12:38:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 860.01 Mbit/s  
95th percentile per-packet one-way delay: 10.819 ms  
Loss rate: 19.05%  
-- Flow 1:  
Average throughput: 479.11 Mbit/s  
95th percentile per-packet one-way delay: 12.831 ms  
Loss rate: 14.64%  
-- Flow 2:  
Average throughput: 412.70 Mbit/s  
95th percentile per-packet one-way delay: 8.081 ms  
Loss rate: 20.85%  
-- Flow 3:  
Average throughput: 319.70 Mbit/s  
95th percentile per-packet one-way delay: 7.214 ms  
Loss rate: 31.05%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-10-12 08:13:50

End at: 2017-10-12 08:14:20

Local clock offset: -0.427 ms

Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-10-12 12:38:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 868.94 Mbit/s

95th percentile per-packet one-way delay: 11.894 ms

Loss rate: 19.01%

-- Flow 1:

Average throughput: 485.10 Mbit/s

95th percentile per-packet one-way delay: 11.969 ms

Loss rate: 14.27%

-- Flow 2:

Average throughput: 405.35 Mbit/s

95th percentile per-packet one-way delay: 8.090 ms

Loss rate: 23.12%

-- Flow 3:

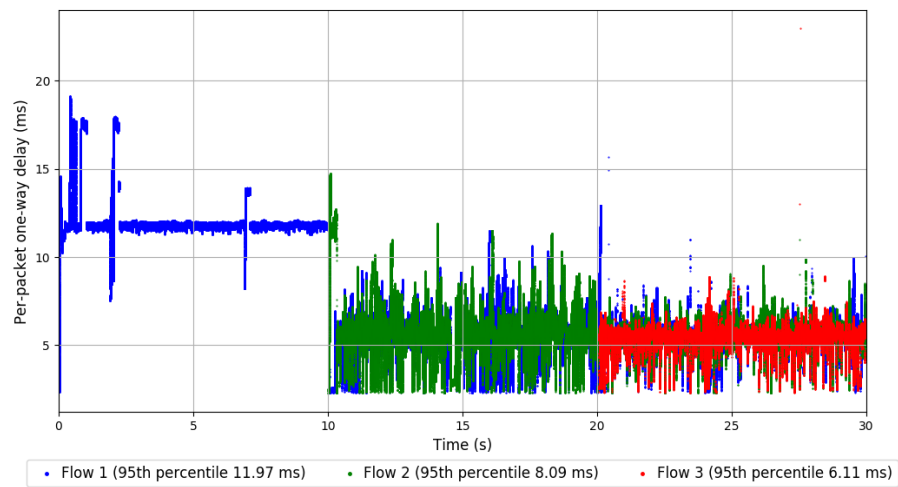
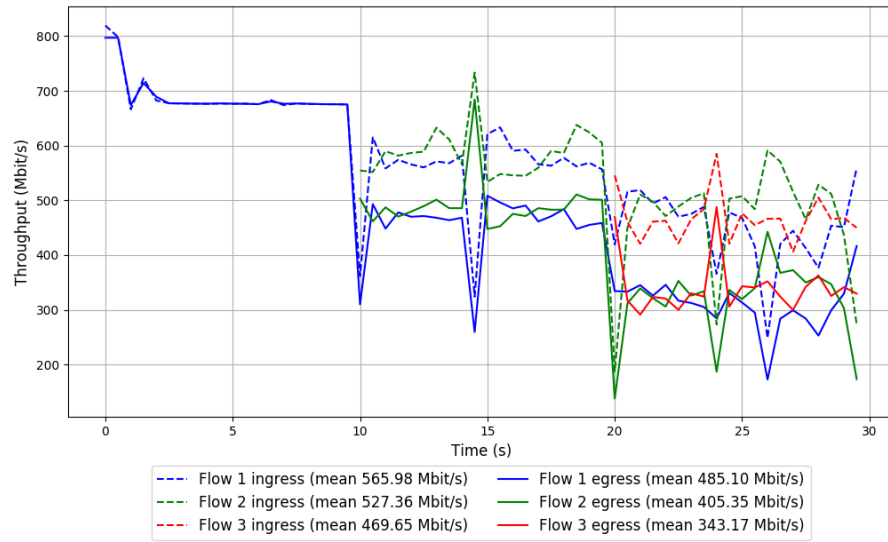
Average throughput: 343.17 Mbit/s

95th percentile per-packet one-way delay: 6.114 ms

Loss rate: 26.92%



# Run 5: Report of TCP BBR — Data Link

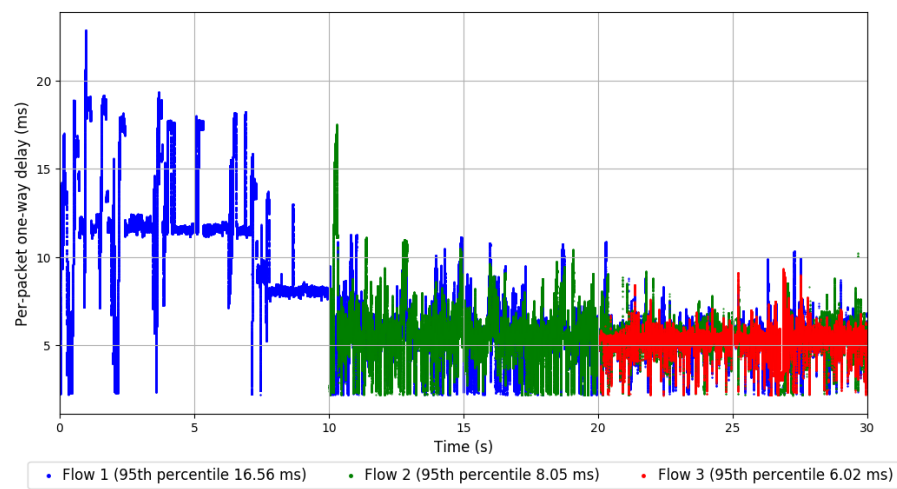
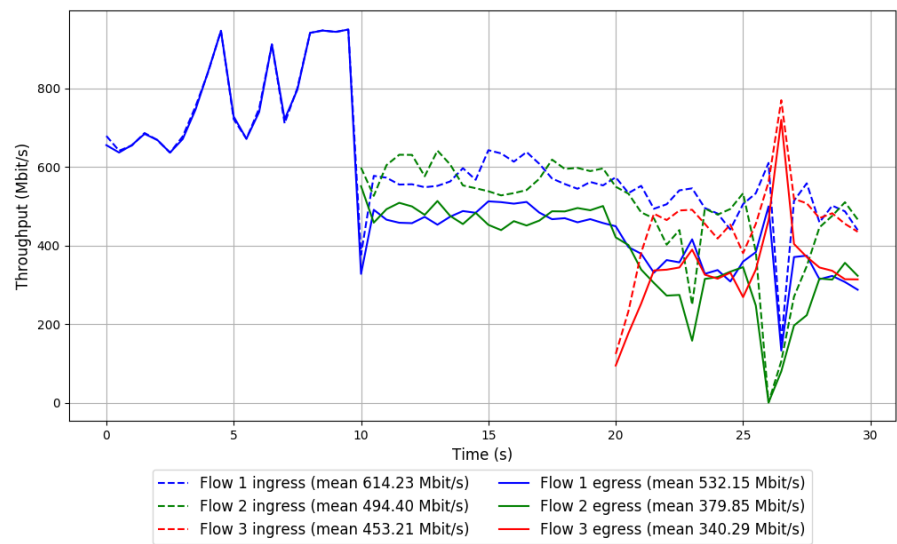


Run 6: Statistics of TCP BBR

Start at: 2017-10-12 08:34:16  
End at: 2017-10-12 08:34:46  
Local clock offset: -0.355 ms  
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2017-10-12 12:38:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 898.10 Mbit/s  
95th percentile per-packet one-way delay: 13.454 ms  
Loss rate: 17.89%  
-- Flow 1:  
Average throughput: 532.15 Mbit/s  
95th percentile per-packet one-way delay: 16.563 ms  
Loss rate: 13.36%  
-- Flow 2:  
Average throughput: 379.85 Mbit/s  
95th percentile per-packet one-way delay: 8.051 ms  
Loss rate: 23.15%  
-- Flow 3:  
Average throughput: 340.29 Mbit/s  
95th percentile per-packet one-way delay: 6.018 ms  
Loss rate: 24.91%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-10-12 08:54:26

End at: 2017-10-12 08:54:56

Local clock offset: -0.268 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2017-10-12 12:38:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 876.16 Mbit/s

95th percentile per-packet one-way delay: 10.754 ms

Loss rate: 16.34%

-- Flow 1:

Average throughput: 488.30 Mbit/s

95th percentile per-packet one-way delay: 11.757 ms

Loss rate: 10.19%

-- Flow 2:

Average throughput: 420.85 Mbit/s

95th percentile per-packet one-way delay: 10.009 ms

Loss rate: 20.38%

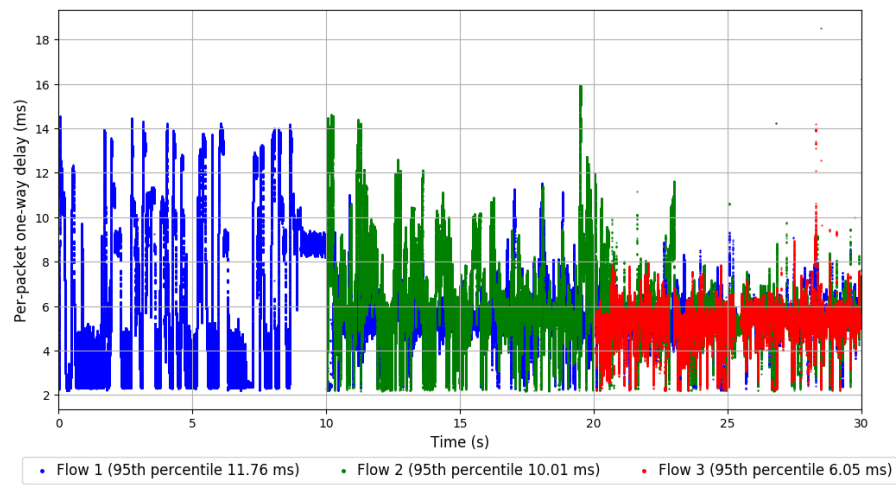
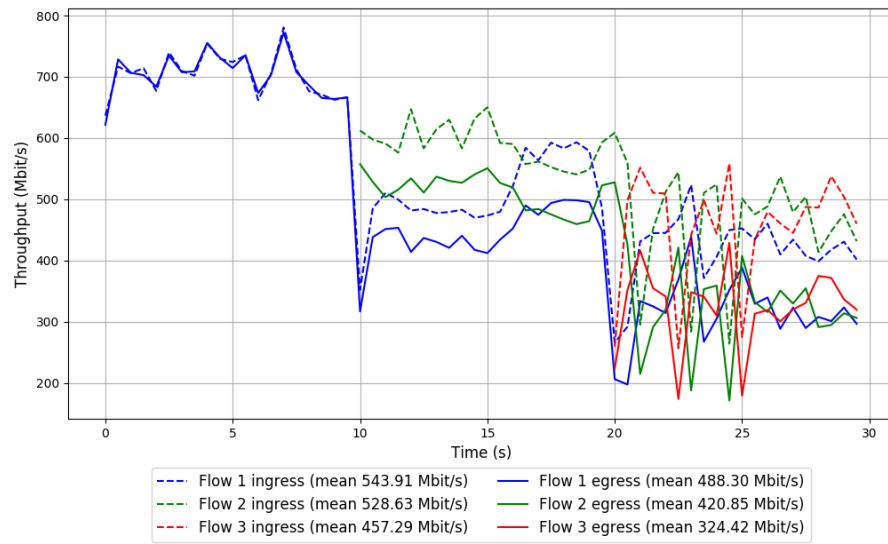
-- Flow 3:

Average throughput: 324.42 Mbit/s

95th percentile per-packet one-way delay: 6.050 ms

Loss rate: 29.05%

## Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-10-12 09:14:46

End at: 2017-10-12 09:15:16

Local clock offset: -0.188 ms

Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-10-12 12:38:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 912.63 Mbit/s

95th percentile per-packet one-way delay: 12.745 ms

Loss rate: 18.79%

-- Flow 1:

Average throughput: 546.29 Mbit/s

95th percentile per-packet one-way delay: 16.736 ms

Loss rate: 13.11%

-- Flow 2:

Average throughput: 392.45 Mbit/s

95th percentile per-packet one-way delay: 8.204 ms

Loss rate: 23.14%

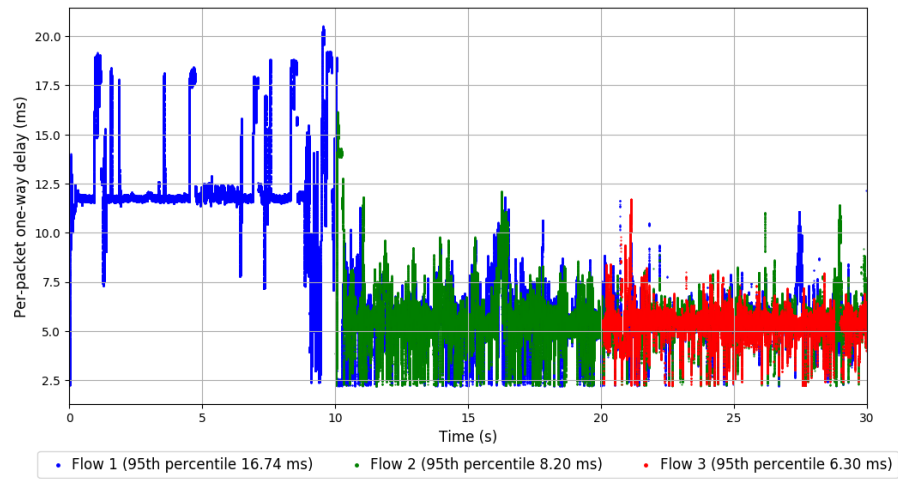
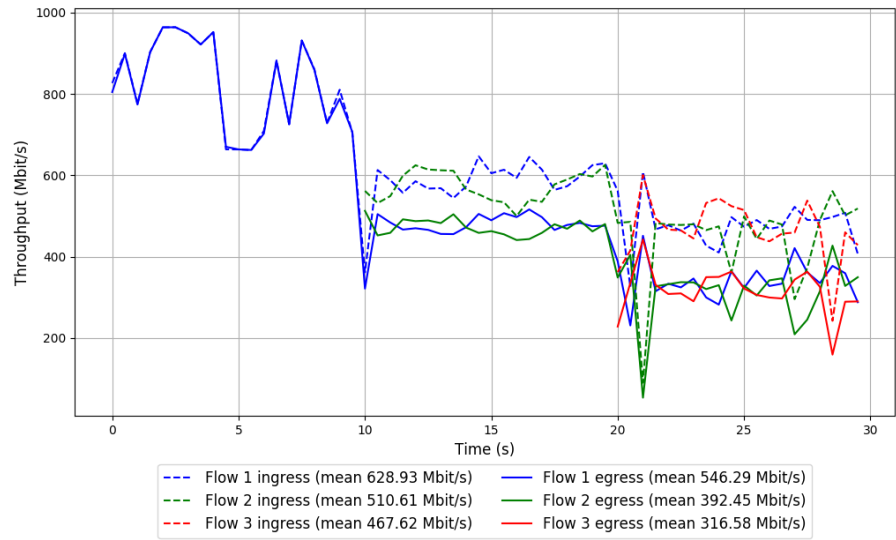
-- Flow 3:

Average throughput: 316.58 Mbit/s

95th percentile per-packet one-way delay: 6.299 ms

Loss rate: 32.29%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-10-12 09:34:59

End at: 2017-10-12 09:35:30

Local clock offset: -0.172 ms

Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2017-10-12 12:43:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 857.71 Mbit/s

95th percentile per-packet one-way delay: 9.913 ms

Loss rate: 19.02%

-- Flow 1:

Average throughput: 479.84 Mbit/s

95th percentile per-packet one-way delay: 10.750 ms

Loss rate: 14.51%

-- Flow 2:

Average throughput: 417.79 Mbit/s

95th percentile per-packet one-way delay: 7.874 ms

Loss rate: 21.11%

-- Flow 3:

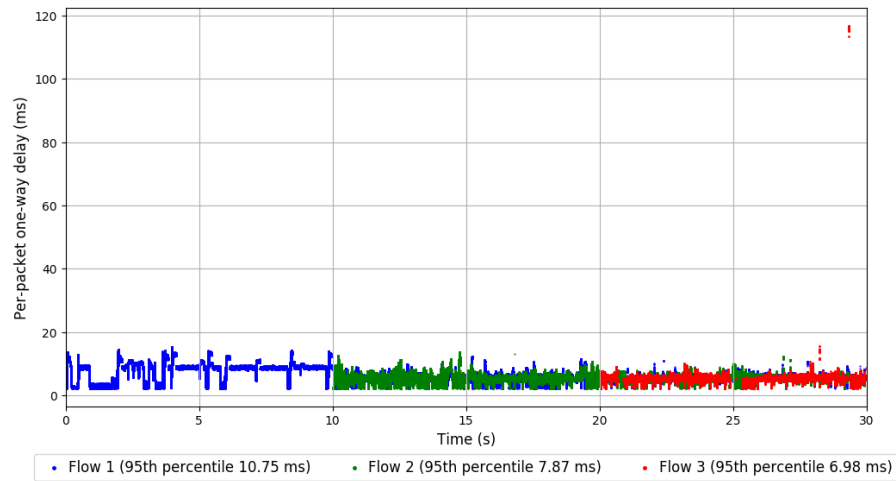
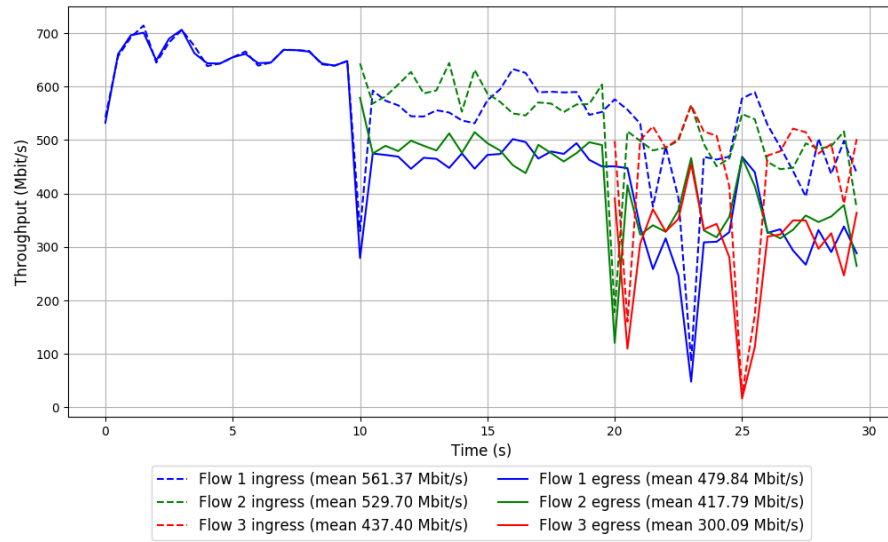
Average throughput: 300.09 Mbit/s

95th percentile per-packet one-way delay: 6.979 ms

Loss rate: 31.37%



### Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-10-12 09:55:09

End at: 2017-10-12 09:55:39

Local clock offset: -0.109 ms

Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2017-10-12 12:50:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 853.26 Mbit/s

95th percentile per-packet one-way delay: 9.293 ms

Loss rate: 18.09%

-- Flow 1:

Average throughput: 443.68 Mbit/s

95th percentile per-packet one-way delay: 9.603 ms

Loss rate: 14.35%

-- Flow 2:

Average throughput: 452.57 Mbit/s

95th percentile per-packet one-way delay: 8.161 ms

Loss rate: 19.64%

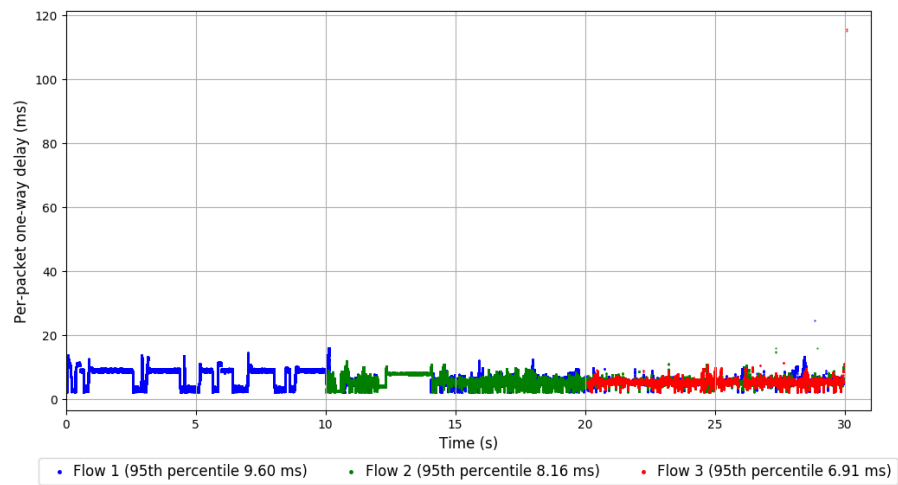
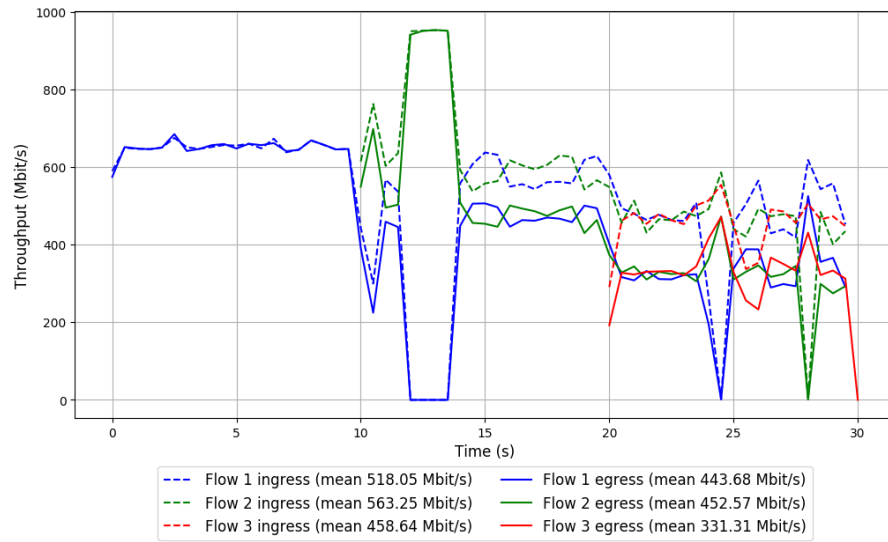
-- Flow 3:

Average throughput: 331.31 Mbit/s

95th percentile per-packet one-way delay: 6.905 ms

Loss rate: 27.00%

## Run 10: Report of TCP BBR — Data Link

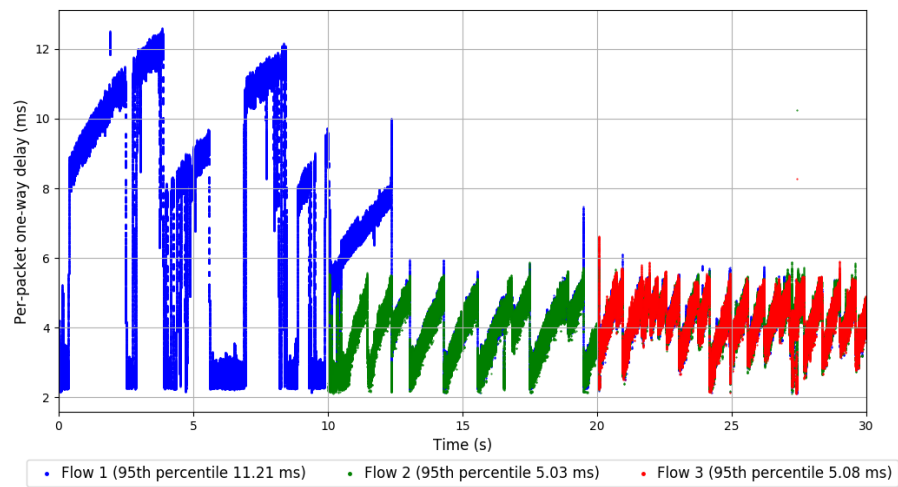
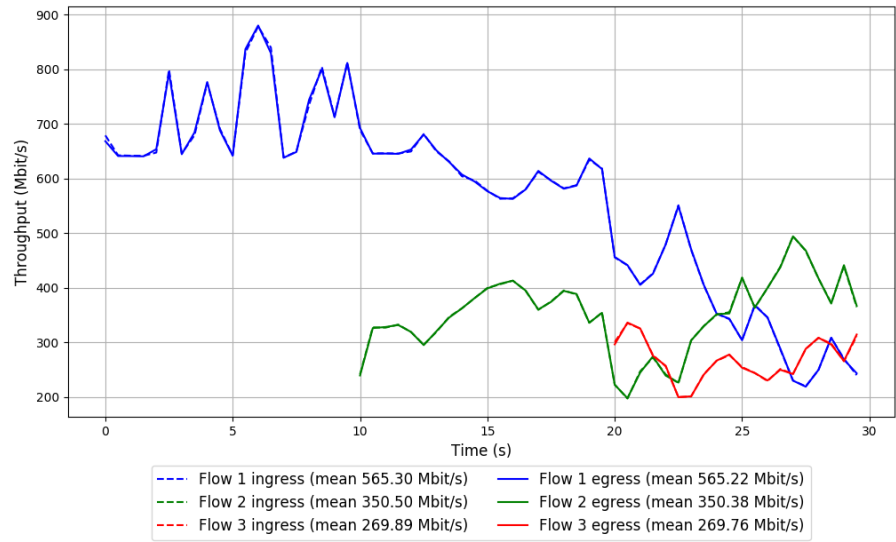


Run 1: Statistics of TCP Cubic

Start at: 2017-10-12 06:59:00  
End at: 2017-10-12 06:59:30  
Local clock offset: -0.344 ms  
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2017-10-12 12:50:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 888.11 Mbit/s  
95th percentile per-packet one-way delay: 10.820 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 565.22 Mbit/s  
95th percentile per-packet one-way delay: 11.212 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 350.38 Mbit/s  
95th percentile per-packet one-way delay: 5.027 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 269.76 Mbit/s  
95th percentile per-packet one-way delay: 5.083 ms  
Loss rate: 0.03%

# Run 1: Report of TCP Cubic — Data Link

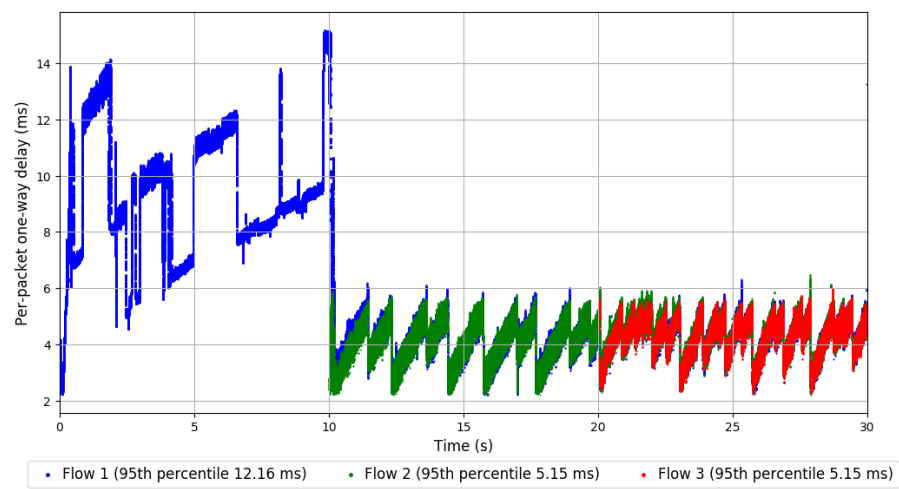
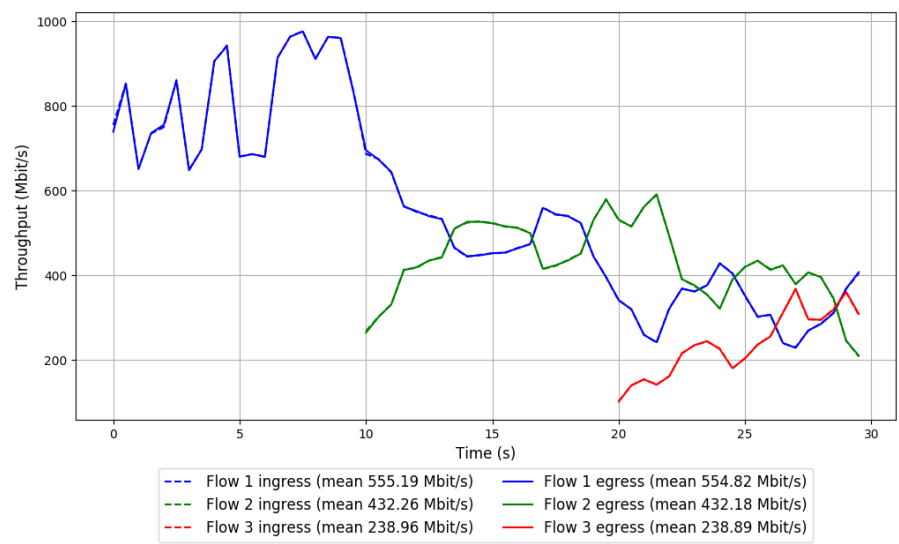


Run 2: Statistics of TCP Cubic

Start at: 2017-10-12 07:19:07  
End at: 2017-10-12 07:19:37  
Local clock offset: -0.385 ms  
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2017-10-12 12:51:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 921.93 Mbit/s  
95th percentile per-packet one-way delay: 11.436 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 554.82 Mbit/s  
95th percentile per-packet one-way delay: 12.156 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 432.18 Mbit/s  
95th percentile per-packet one-way delay: 5.149 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 238.89 Mbit/s  
95th percentile per-packet one-way delay: 5.149 ms  
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link



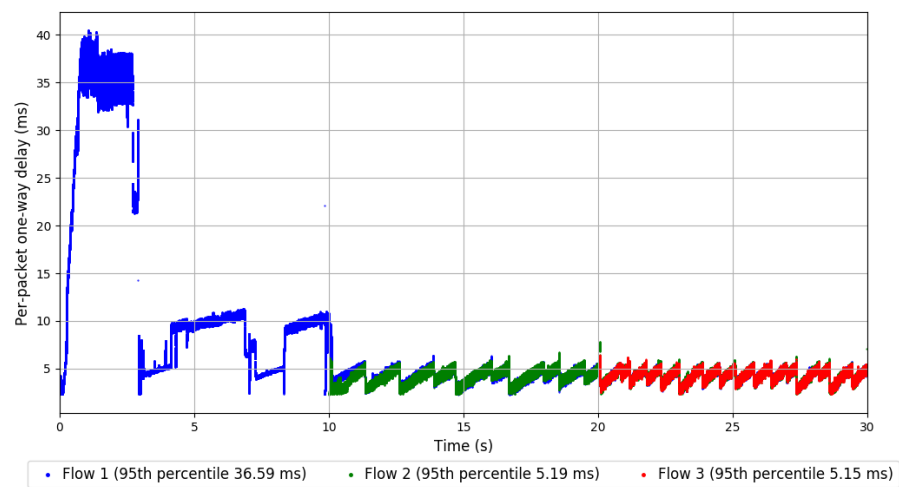
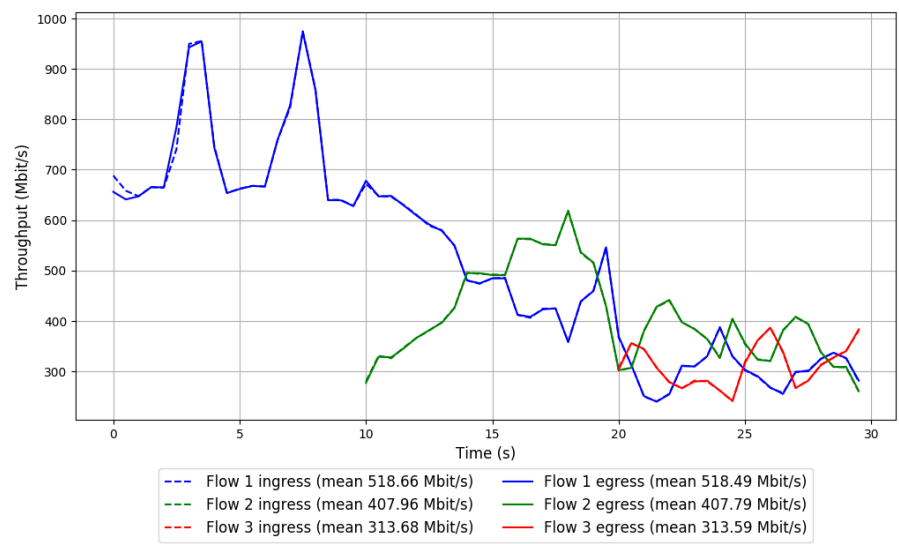
Run 3: Statistics of TCP Cubic

Start at: 2017-10-12 07:39:32  
End at: 2017-10-12 07:40:02  
Local clock offset: -0.448 ms  
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2017-10-12 12:51:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 894.13 Mbit/s  
95th percentile per-packet one-way delay: 30.338 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 518.49 Mbit/s  
95th percentile per-packet one-way delay: 36.595 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 407.79 Mbit/s  
95th percentile per-packet one-way delay: 5.189 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 313.59 Mbit/s  
95th percentile per-packet one-way delay: 5.148 ms  
Loss rate: 0.03%



Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-10-12 07:59:45

End at: 2017-10-12 08:00:15

Local clock offset: -0.436 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2017-10-12 12:51:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 879.99 Mbit/s

95th percentile per-packet one-way delay: 11.336 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 573.59 Mbit/s

95th percentile per-packet one-way delay: 12.172 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 335.23 Mbit/s

95th percentile per-packet one-way delay: 5.134 ms

Loss rate: 0.02%

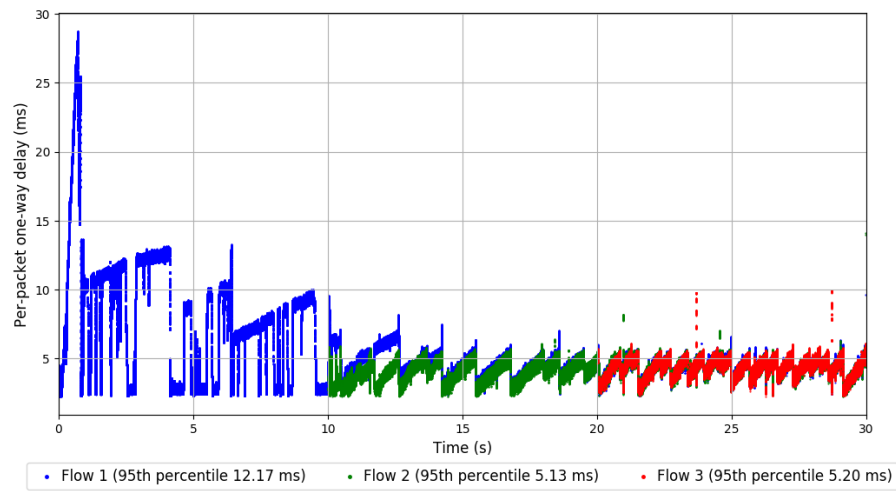
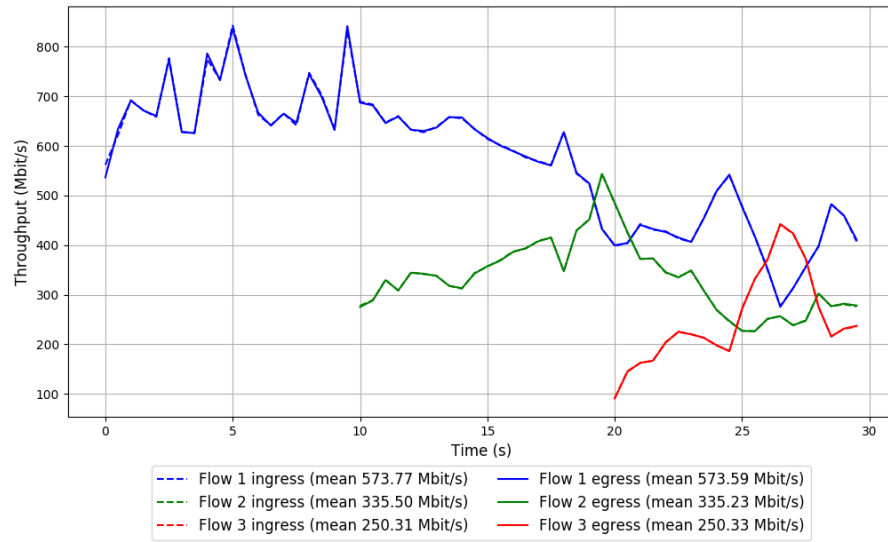
-- Flow 3:

Average throughput: 250.33 Mbit/s

95th percentile per-packet one-way delay: 5.195 ms

Loss rate: 0.02%

#### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-10-12 08:20:05

End at: 2017-10-12 08:20:35

Local clock offset: -0.336 ms

Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2017-10-12 12:51:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 934.91 Mbit/s

95th percentile per-packet one-way delay: 11.446 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 557.33 Mbit/s

95th percentile per-packet one-way delay: 23.904 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 440.67 Mbit/s

95th percentile per-packet one-way delay: 5.090 ms

Loss rate: 0.03%

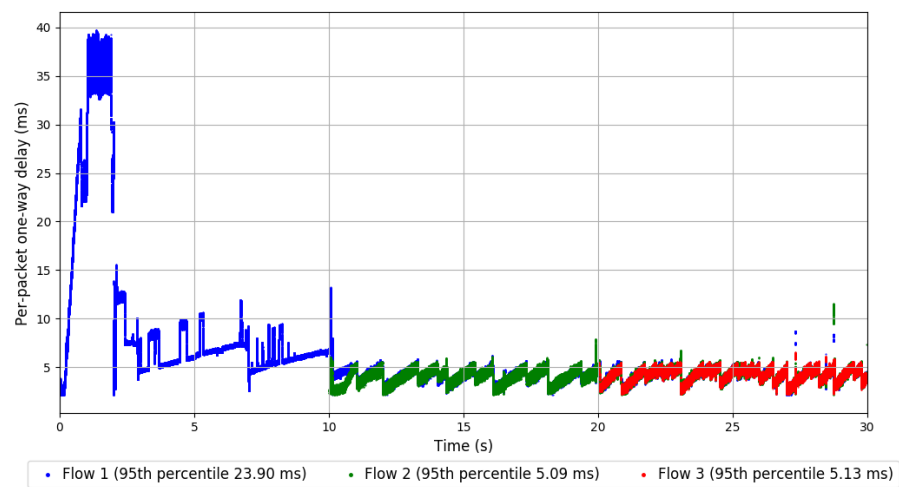
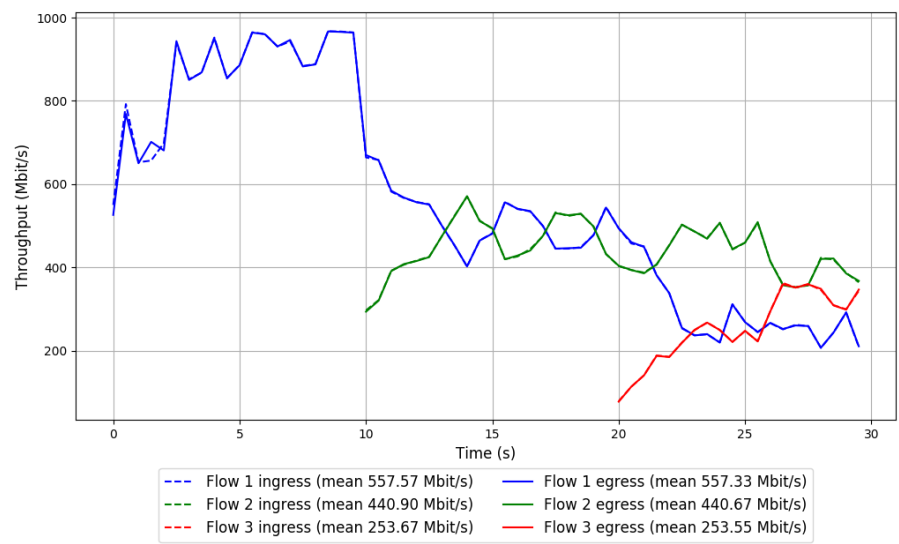
-- Flow 3:

Average throughput: 253.55 Mbit/s

95th percentile per-packet one-way delay: 5.126 ms

Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-10-12 08:40:18

End at: 2017-10-12 08:40:48

Local clock offset: -0.345 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2017-10-12 12:51:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 882.88 Mbit/s

95th percentile per-packet one-way delay: 10.288 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 552.30 Mbit/s

95th percentile per-packet one-way delay: 11.963 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 370.65 Mbit/s

95th percentile per-packet one-way delay: 5.190 ms

Loss rate: 0.03%

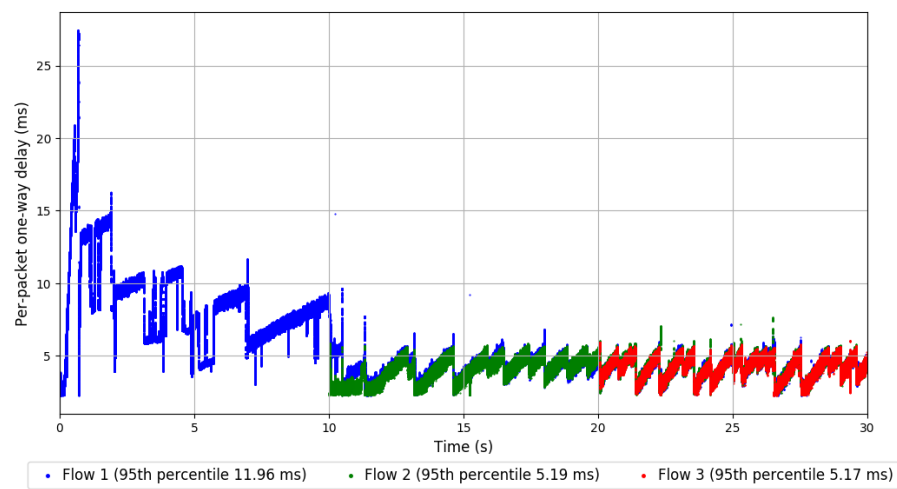
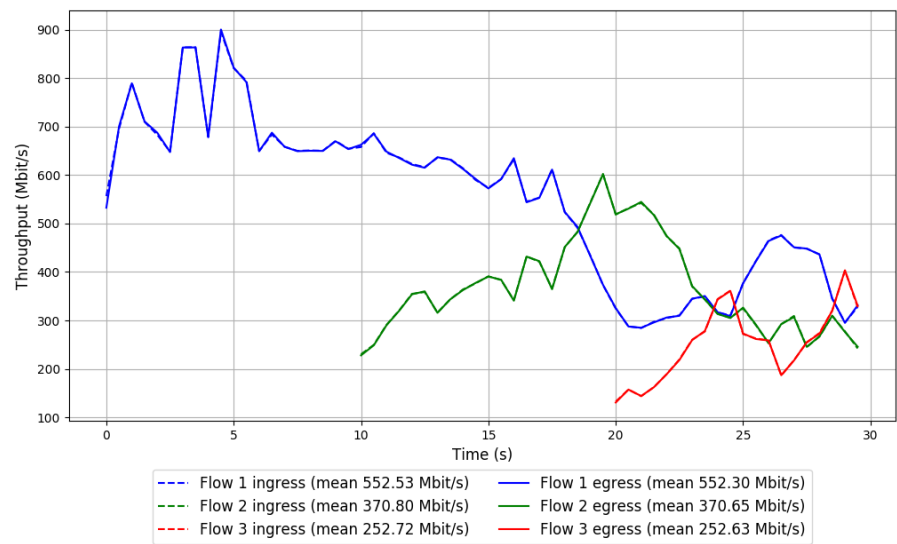
-- Flow 3:

Average throughput: 252.63 Mbit/s

95th percentile per-packet one-way delay: 5.175 ms

Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link



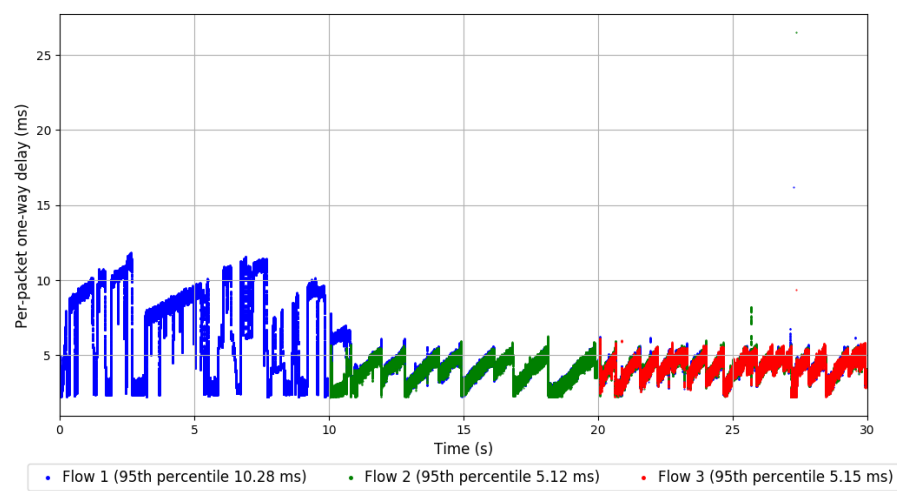
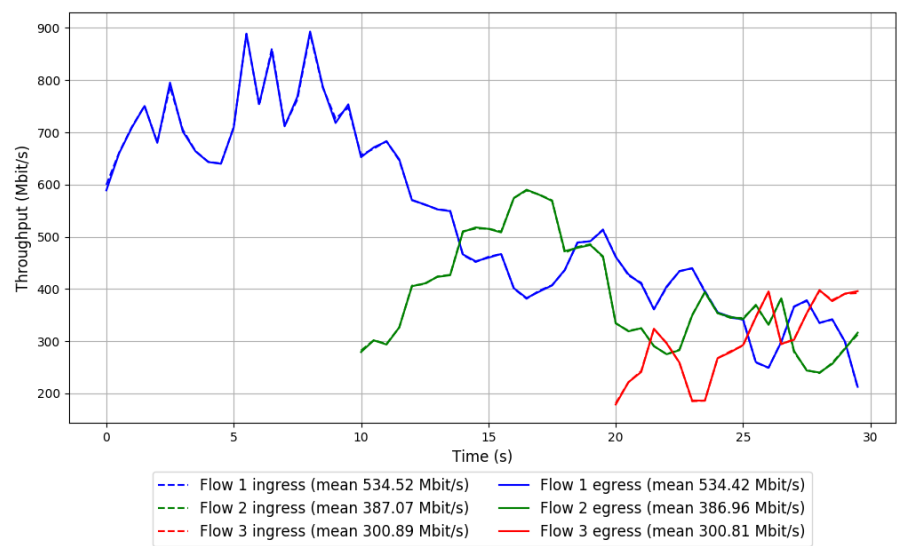
Run 7: Statistics of TCP Cubic

Start at: 2017-10-12 09:00:34  
End at: 2017-10-12 09:01:04  
Local clock offset: -0.24 ms  
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2017-10-12 12:56:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 891.84 Mbit/s  
95th percentile per-packet one-way delay: 9.555 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 534.42 Mbit/s  
95th percentile per-packet one-way delay: 10.283 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 386.96 Mbit/s  
95th percentile per-packet one-way delay: 5.117 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 300.81 Mbit/s  
95th percentile per-packet one-way delay: 5.151 ms  
Loss rate: 0.03%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-10-12 09:20:50

End at: 2017-10-12 09:21:20

Local clock offset: -0.128 ms

Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2017-10-12 13:03:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 891.08 Mbit/s

95th percentile per-packet one-way delay: 11.304 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 552.64 Mbit/s

95th percentile per-packet one-way delay: 11.634 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 340.83 Mbit/s

95th percentile per-packet one-way delay: 5.124 ms

Loss rate: 0.02%

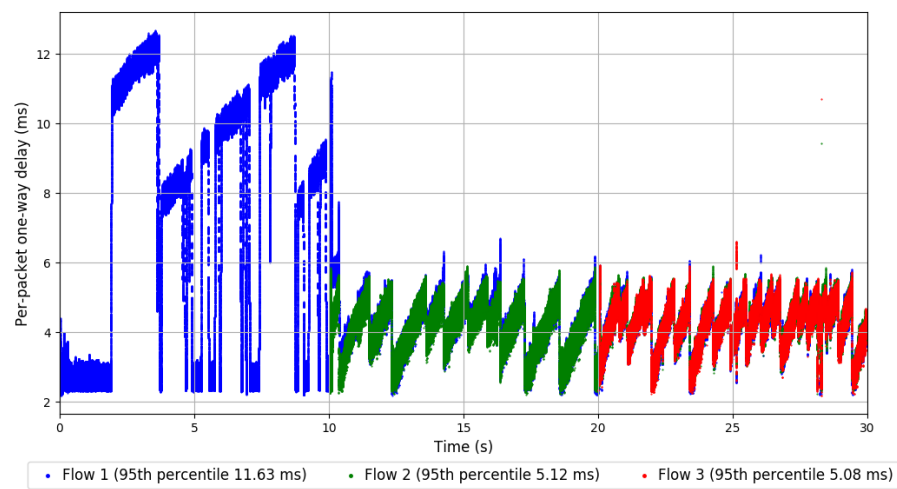
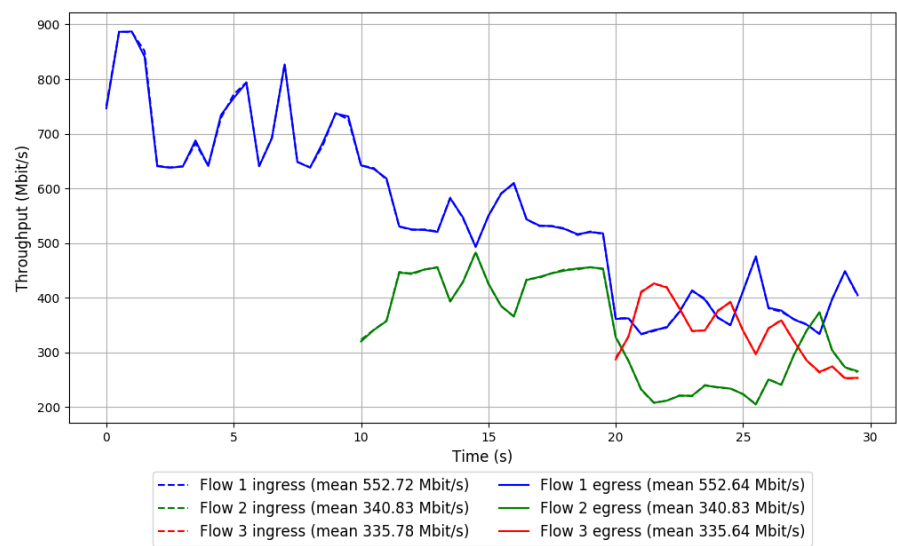
-- Flow 3:

Average throughput: 335.64 Mbit/s

95th percentile per-packet one-way delay: 5.080 ms

Loss rate: 0.02%

Run 8: Report of TCP Cubic — Data Link

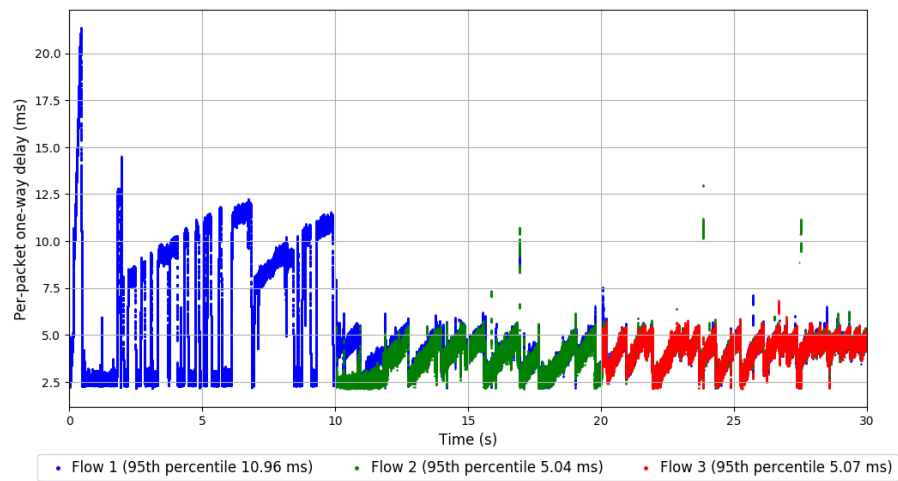
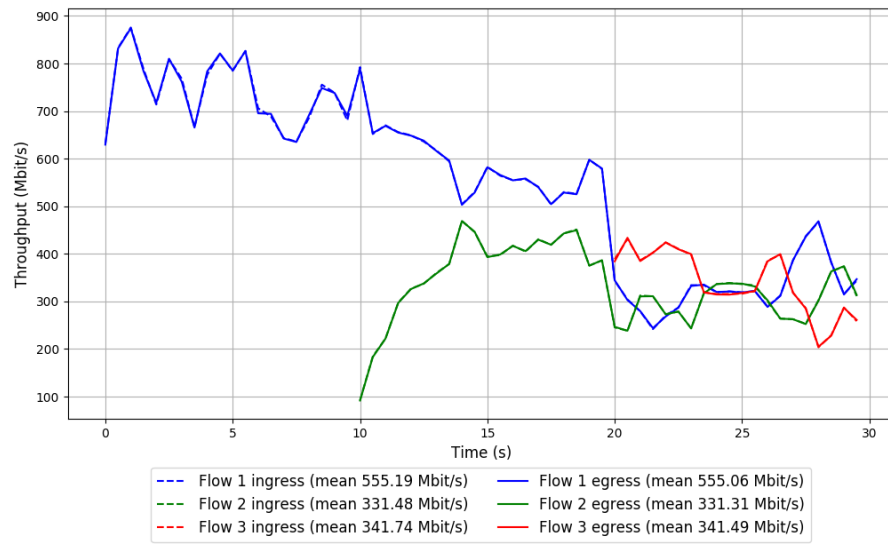


Run 9: Statistics of TCP Cubic

Start at: 2017-10-12 09:41:04  
End at: 2017-10-12 09:41:34  
Local clock offset: -0.086 ms  
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2017-10-12 13:03:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 889.04 Mbit/s  
95th percentile per-packet one-way delay: 10.372 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 555.06 Mbit/s  
95th percentile per-packet one-way delay: 10.961 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 331.31 Mbit/s  
95th percentile per-packet one-way delay: 5.040 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 341.49 Mbit/s  
95th percentile per-packet one-way delay: 5.069 ms  
Loss rate: 0.06%

### Run 9: Report of TCP Cubic — Data Link

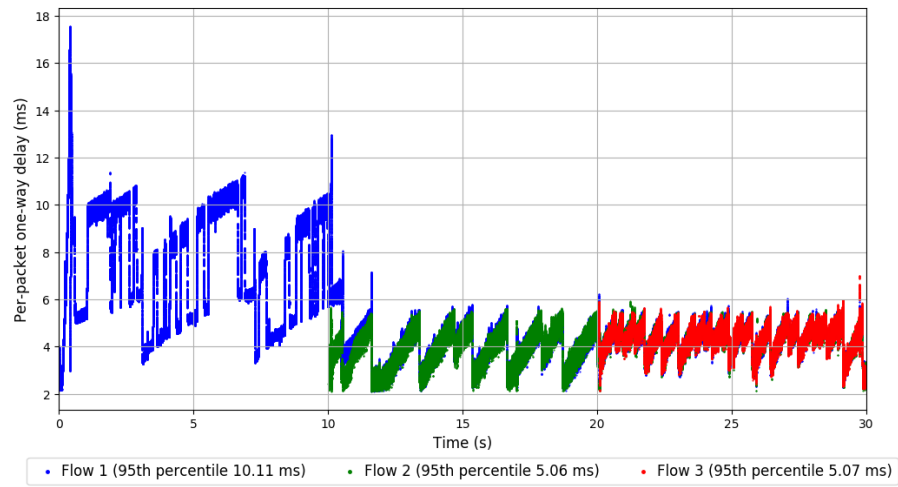
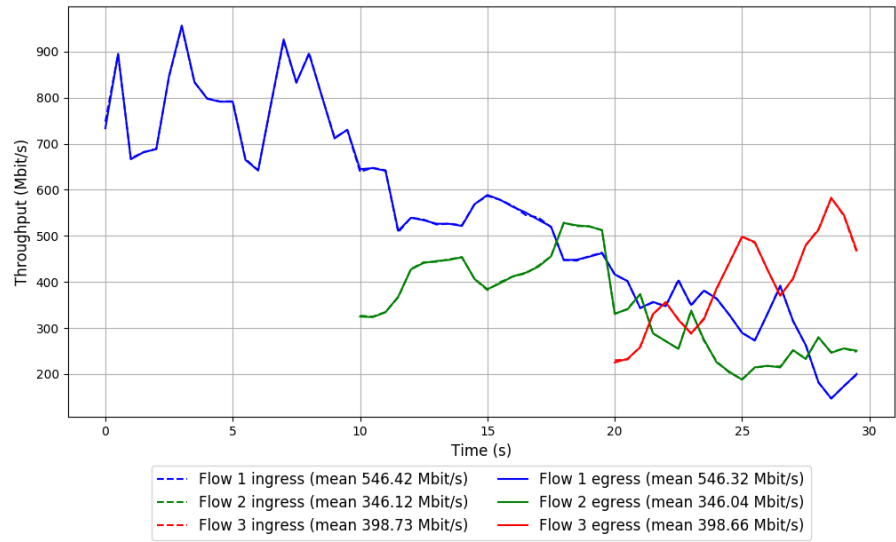


Run 10: Statistics of TCP Cubic

Start at: 2017-10-12 10:01:07  
End at: 2017-10-12 10:01:37  
Local clock offset: -0.037 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2017-10-12 13:04:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 909.09 Mbit/s  
95th percentile per-packet one-way delay: 9.877 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 546.32 Mbit/s  
95th percentile per-packet one-way delay: 10.110 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 346.04 Mbit/s  
95th percentile per-packet one-way delay: 5.056 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 398.66 Mbit/s  
95th percentile per-packet one-way delay: 5.071 ms  
Loss rate: 0.02%

# Run 10: Report of TCP Cubic — Data Link



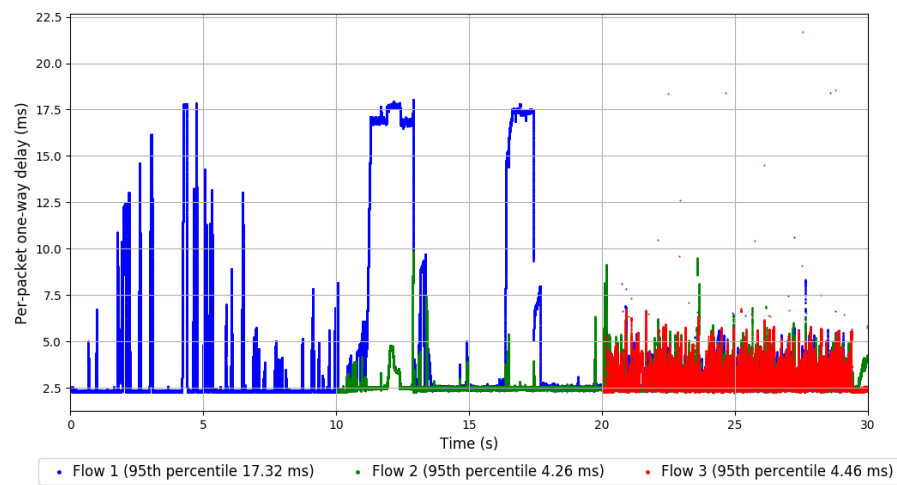
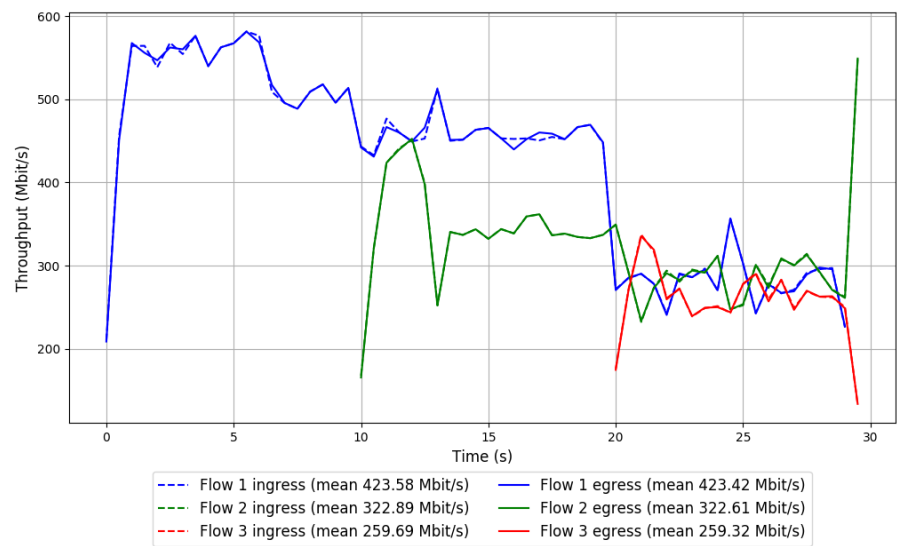
Run 1: Statistics of LEDBAT

Start at: 2017-10-12 07:08:40  
End at: 2017-10-12 07:09:10  
Local clock offset: -0.44 ms  
Remote clock offset: -0.283 ms

# Below is generated by plot.py at 2017-10-12 13:04:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 715.65 Mbit/s  
95th percentile per-packet one-way delay: 16.794 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 423.42 Mbit/s  
95th percentile per-packet one-way delay: 17.315 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 322.61 Mbit/s  
95th percentile per-packet one-way delay: 4.262 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 259.32 Mbit/s  
95th percentile per-packet one-way delay: 4.457 ms  
Loss rate: 0.14%



Run 1: Report of LEDBAT — Data Link

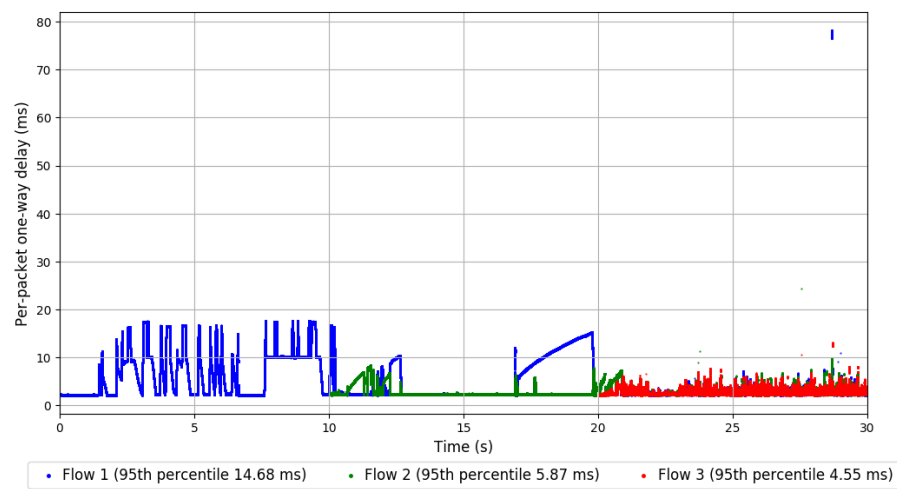
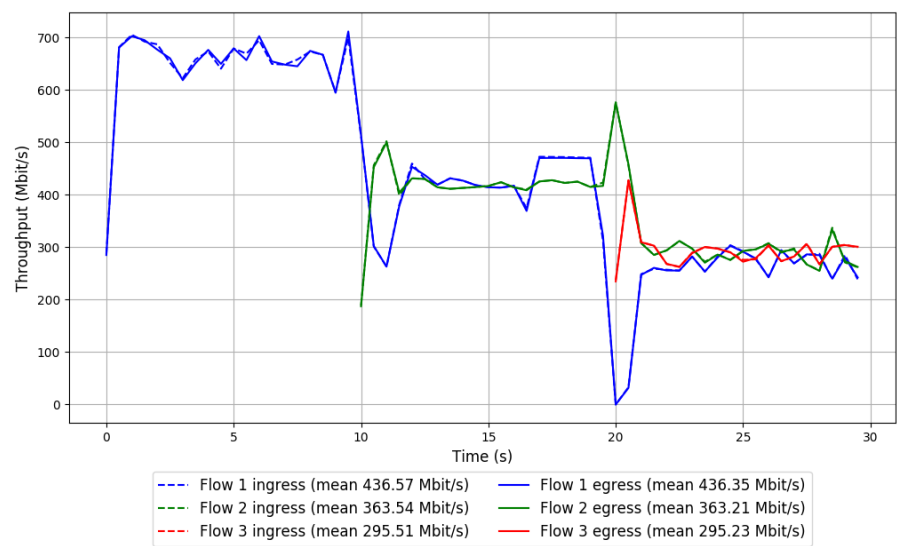


Run 2: Statistics of LEDBAT

Start at: 2017-10-12 07:28:53  
End at: 2017-10-12 07:29:23  
Local clock offset: -0.368 ms  
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2017-10-12 13:04:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 776.26 Mbit/s  
95th percentile per-packet one-way delay: 12.522 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 436.35 Mbit/s  
95th percentile per-packet one-way delay: 14.682 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 363.21 Mbit/s  
95th percentile per-packet one-way delay: 5.871 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 295.23 Mbit/s  
95th percentile per-packet one-way delay: 4.553 ms  
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link

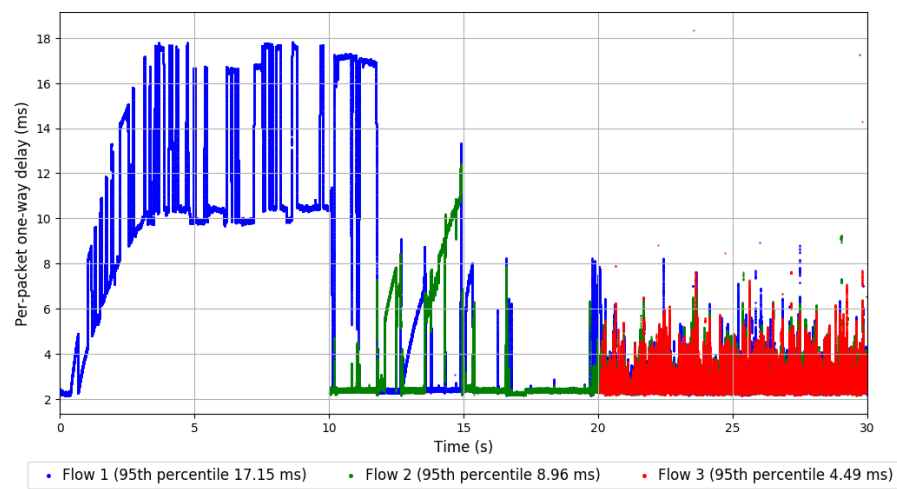
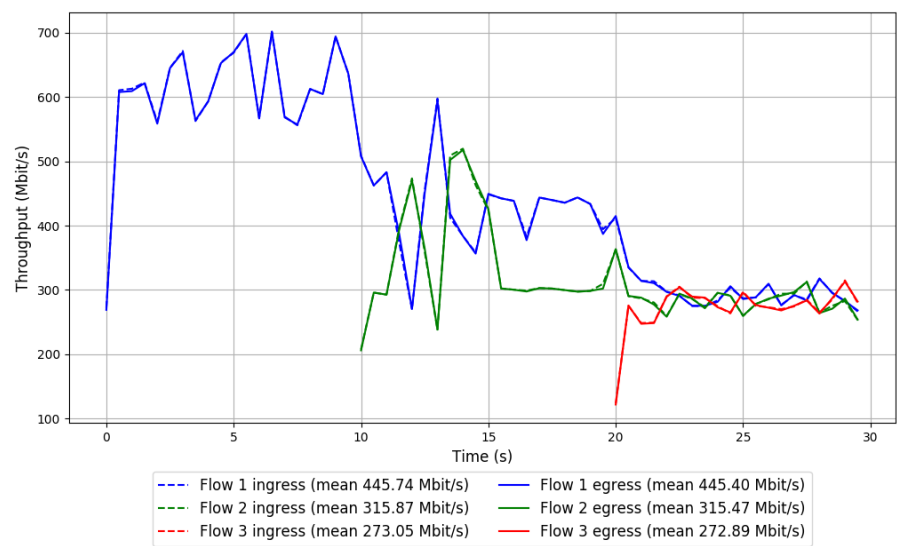


Run 3: Statistics of LEDBAT

Start at: 2017-10-12 07:49:20  
End at: 2017-10-12 07:49:50  
Local clock offset: -0.37 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2017-10-12 13:04:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 745.89 Mbit/s  
95th percentile per-packet one-way delay: 16.803 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 445.40 Mbit/s  
95th percentile per-packet one-way delay: 17.154 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 315.47 Mbit/s  
95th percentile per-packet one-way delay: 8.963 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 272.89 Mbit/s  
95th percentile per-packet one-way delay: 4.491 ms  
Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link

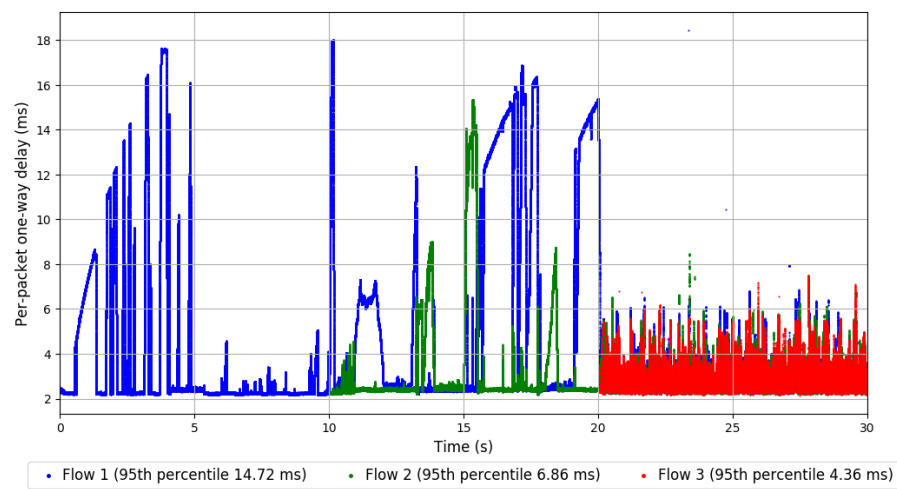
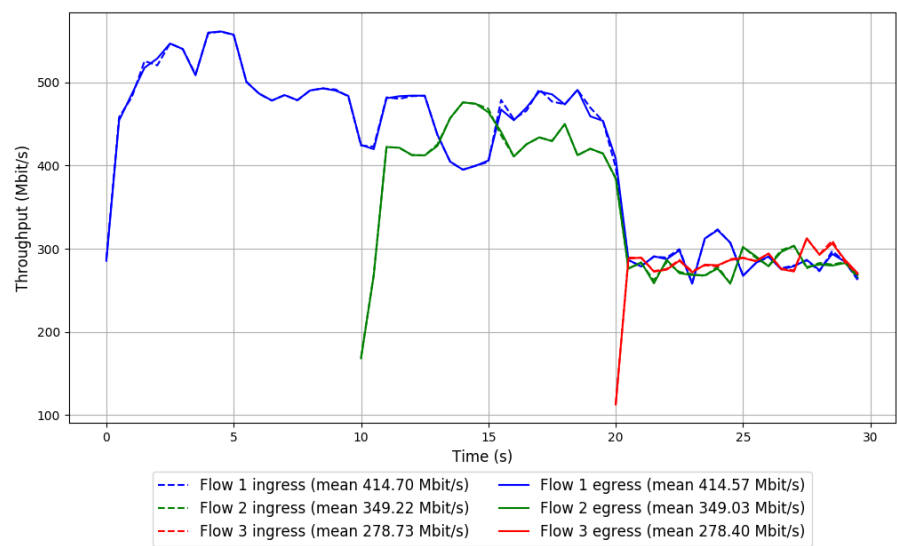


Run 4: Statistics of LEDBAT

Start at: 2017-10-12 08:09:28  
End at: 2017-10-12 08:09:58  
Local clock offset: -0.359 ms  
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2017-10-12 13:04:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 739.24 Mbit/s  
95th percentile per-packet one-way delay: 13.671 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 414.57 Mbit/s  
95th percentile per-packet one-way delay: 14.722 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 349.03 Mbit/s  
95th percentile per-packet one-way delay: 6.861 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 278.40 Mbit/s  
95th percentile per-packet one-way delay: 4.360 ms  
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



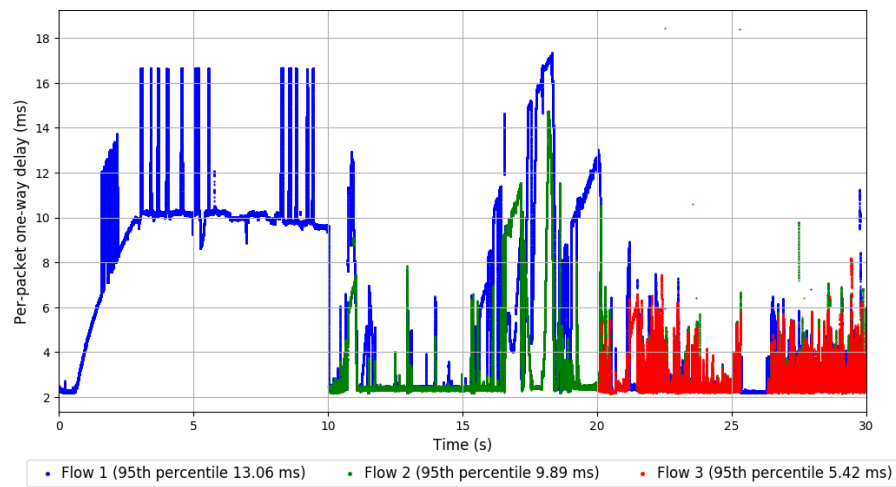
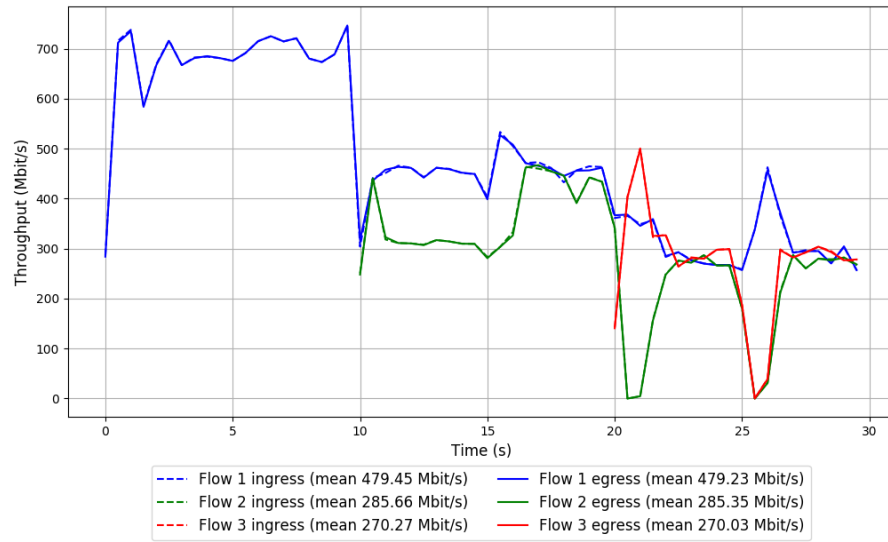
Run 5: Statistics of LEDBAT

Start at: 2017-10-12 08:29:52  
End at: 2017-10-12 08:30:22  
Local clock offset: -0.346 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2017-10-12 13:08:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 758.66 Mbit/s  
95th percentile per-packet one-way delay: 11.887 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 479.23 Mbit/s  
95th percentile per-packet one-way delay: 13.060 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 285.35 Mbit/s  
95th percentile per-packet one-way delay: 9.891 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 270.03 Mbit/s  
95th percentile per-packet one-way delay: 5.416 ms  
Loss rate: 0.08%



## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-10-12 08:50:04

End at: 2017-10-12 08:50:34

Local clock offset: -0.237 ms

Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-10-12 13:12:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 750.73 Mbit/s

95th percentile per-packet one-way delay: 12.643 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 422.99 Mbit/s

95th percentile per-packet one-way delay: 15.986 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 355.66 Mbit/s

95th percentile per-packet one-way delay: 6.119 ms

Loss rate: 0.13%

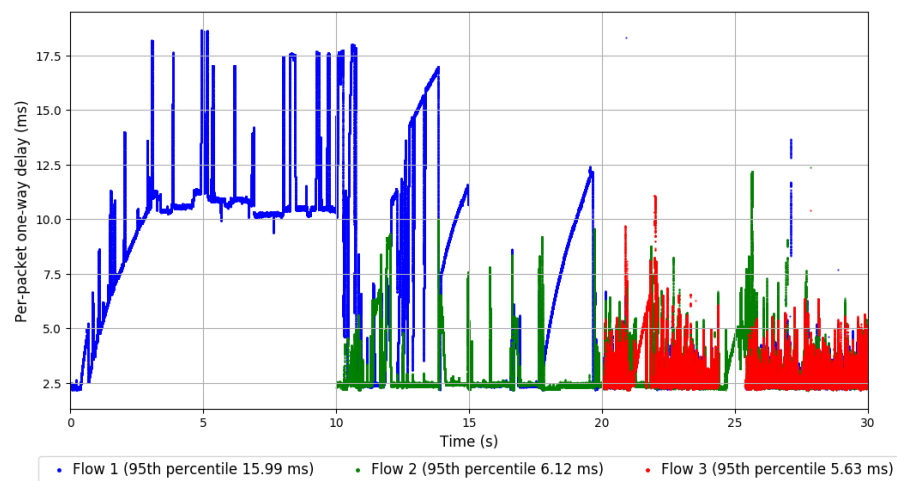
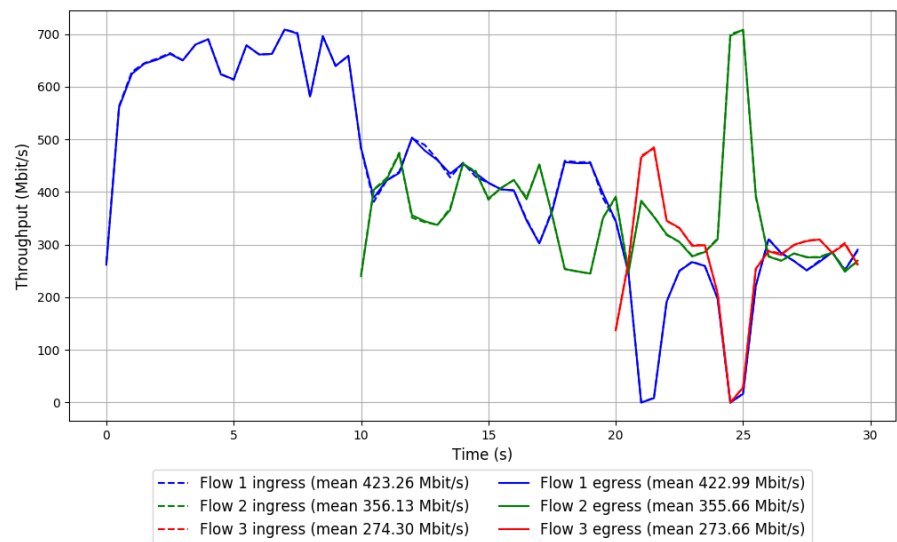
-- Flow 3:

Average throughput: 273.66 Mbit/s

95th percentile per-packet one-way delay: 5.634 ms

Loss rate: 0.21%

Run 6: Report of LEDBAT — Data Link

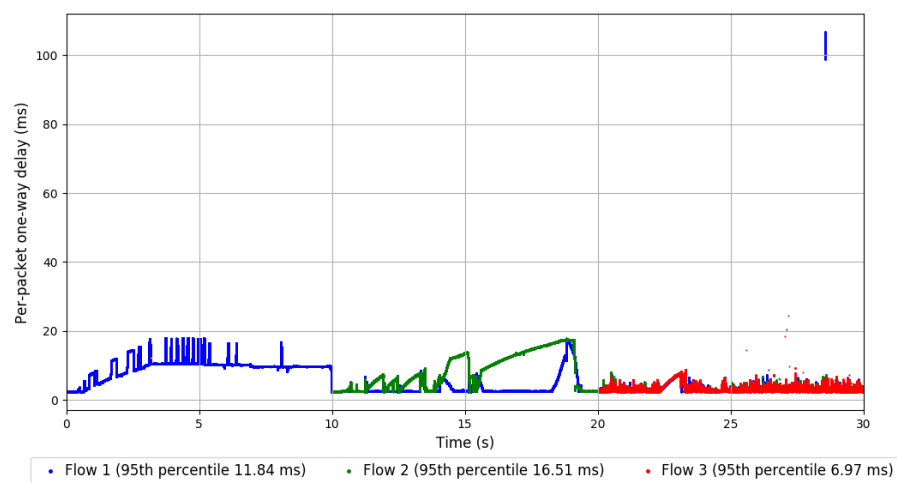
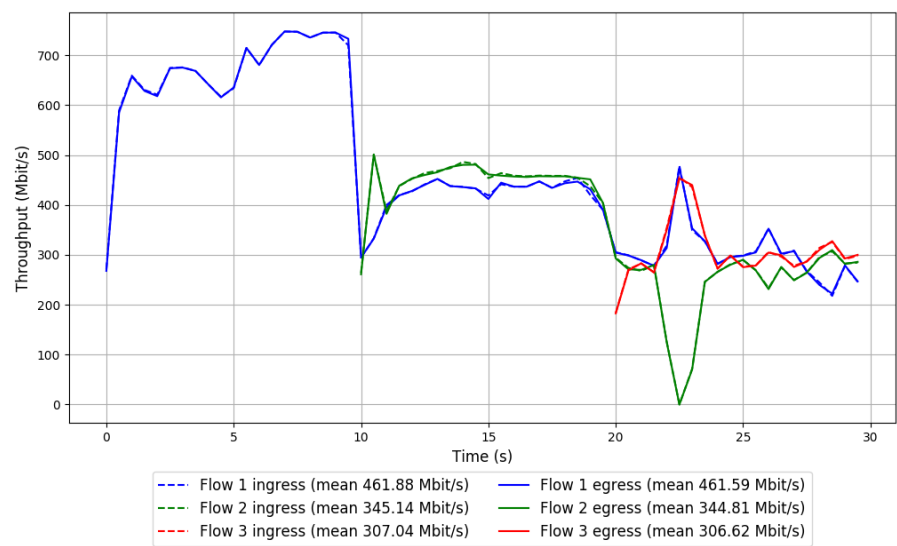


Run 7: Statistics of LEDBAT

Start at: 2017-10-12 09:10:21  
End at: 2017-10-12 09:10:51  
Local clock offset: -0.242 ms  
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2017-10-12 13:14:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 793.02 Mbit/s  
95th percentile per-packet one-way delay: 14.435 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 461.59 Mbit/s  
95th percentile per-packet one-way delay: 11.836 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 344.81 Mbit/s  
95th percentile per-packet one-way delay: 16.506 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 306.62 Mbit/s  
95th percentile per-packet one-way delay: 6.973 ms  
Loss rate: 0.13%

Run 7: Report of LEDBAT — Data Link

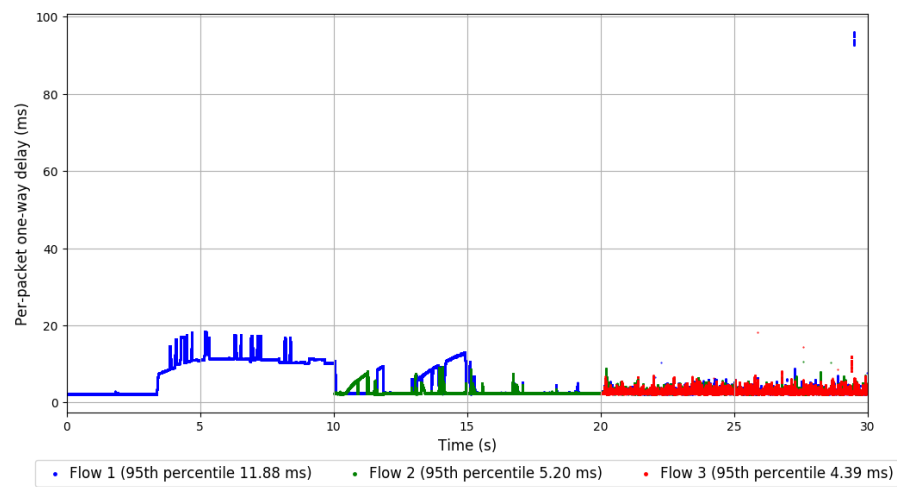
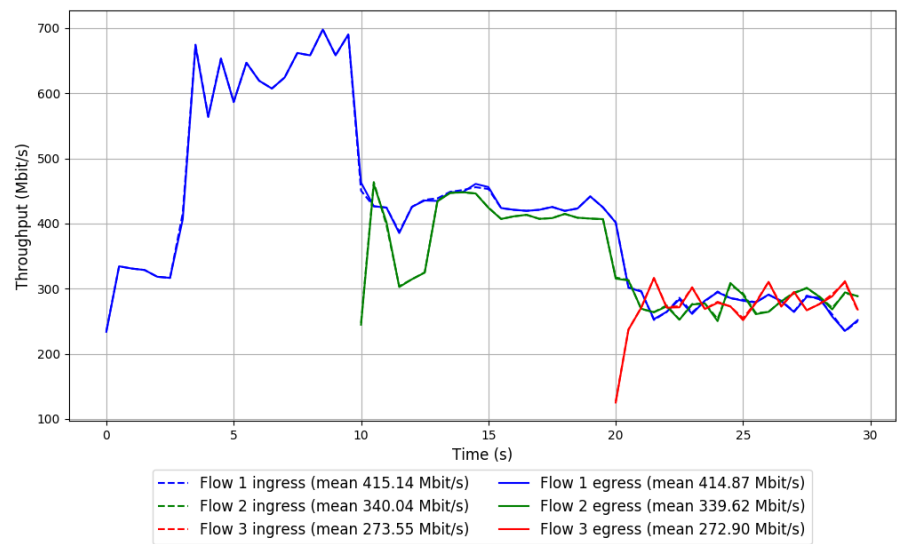


Run 8: Statistics of LEDBAT

Start at: 2017-10-12 09:30:38  
End at: 2017-10-12 09:31:08  
Local clock offset: -0.112 ms  
Remote clock offset: 0.04 ms

```
# Below is generated by plot.py at 2017-10-12 13:14:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 731.63 Mbit/s
95th percentile per-packet one-way delay: 11.429 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 414.87 Mbit/s
95th percentile per-packet one-way delay: 11.881 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 339.62 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 272.90 Mbit/s
95th percentile per-packet one-way delay: 4.395 ms
Loss rate: 0.23%
```

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-10-12 09:50:50

End at: 2017-10-12 09:51:20

Local clock offset: -0.061 ms

Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 13:14:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 696.25 Mbit/s

95th percentile per-packet one-way delay: 16.784 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 367.11 Mbit/s

95th percentile per-packet one-way delay: 16.470 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 359.15 Mbit/s

95th percentile per-packet one-way delay: 17.133 ms

Loss rate: 0.08%

-- Flow 3:

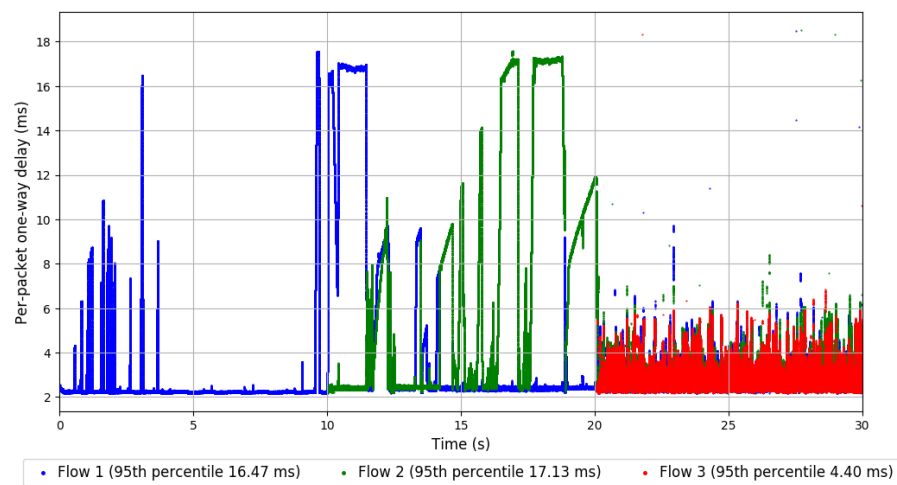
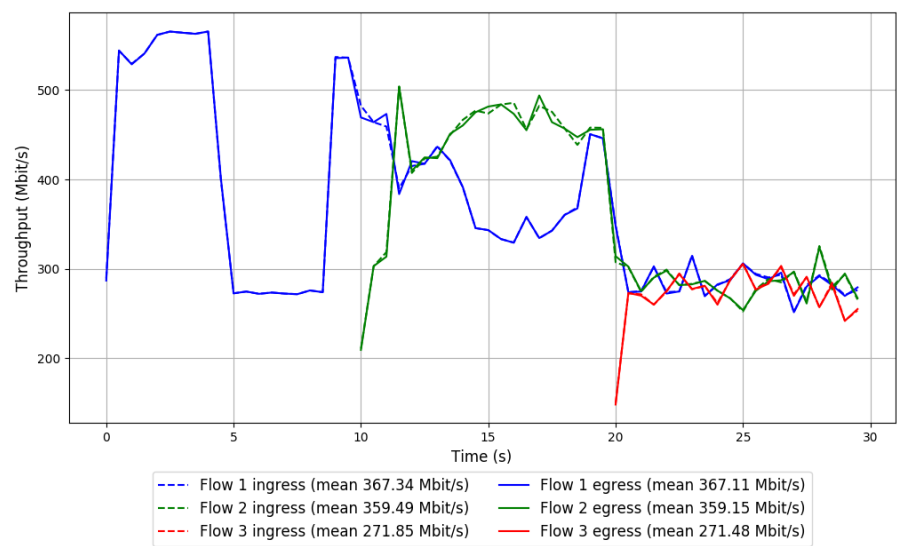
Average throughput: 271.48 Mbit/s

95th percentile per-packet one-way delay: 4.402 ms

Loss rate: 0.12%



Run 9: Report of LEDBAT — Data Link

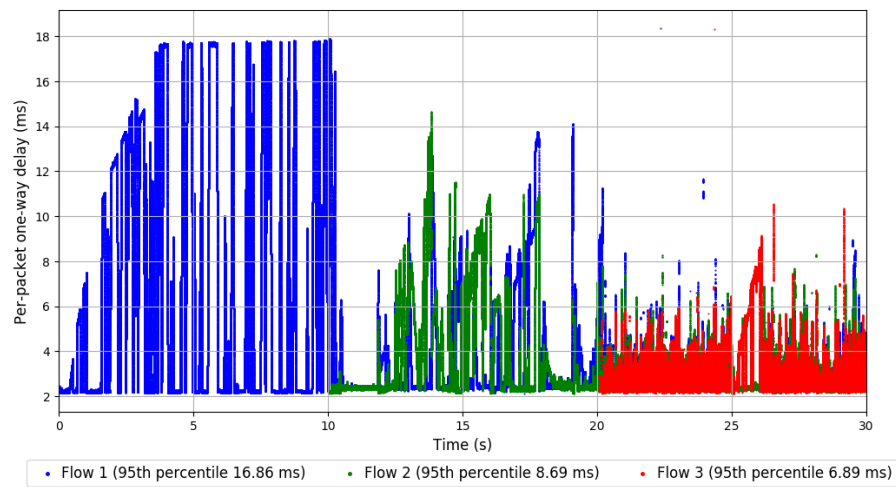
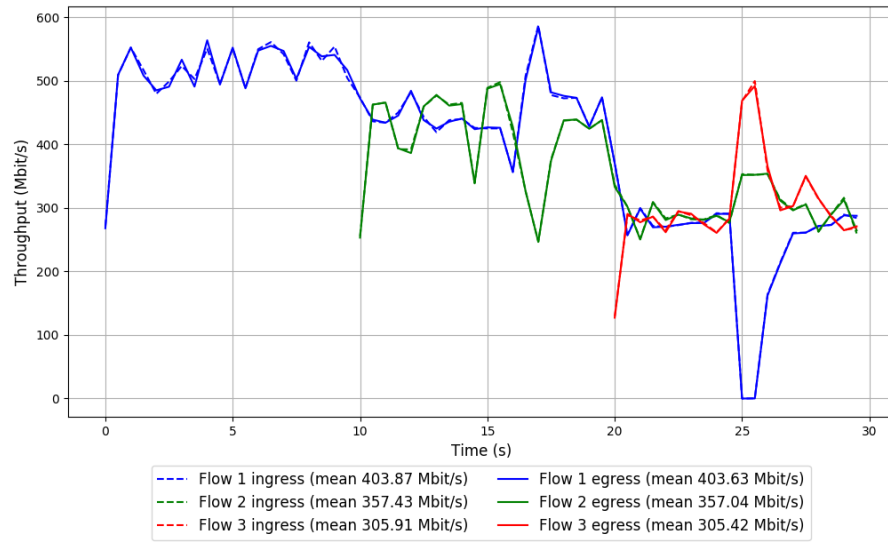


Run 10: Statistics of LEDBAT

Start at: 2017-10-12 10:10:53  
End at: 2017-10-12 10:11:23  
Local clock offset: -0.021 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2017-10-12 13:14:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 742.50 Mbit/s  
95th percentile per-packet one-way delay: 13.366 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 403.63 Mbit/s  
95th percentile per-packet one-way delay: 16.859 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 357.04 Mbit/s  
95th percentile per-packet one-way delay: 8.691 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 305.42 Mbit/s  
95th percentile per-packet one-way delay: 6.892 ms  
Loss rate: 0.16%

# Run 10: Report of LEDBAT — Data Link

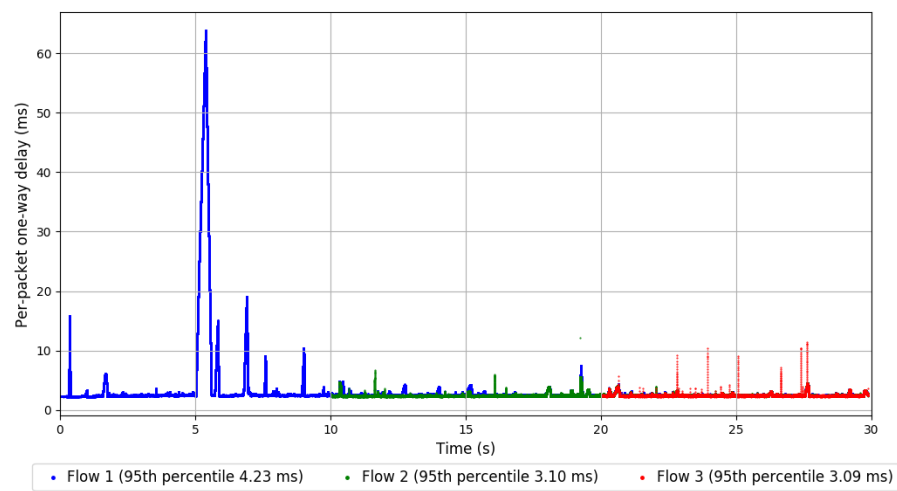
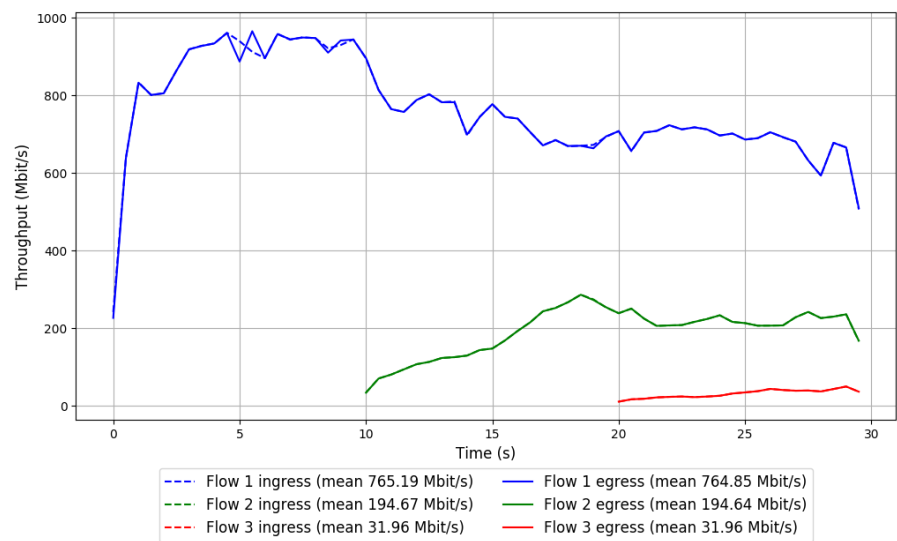


Run 1: Statistics of PCC

Start at: 2017-10-12 06:51:42  
End at: 2017-10-12 06:52:12  
Local clock offset: -0.353 ms  
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2017-10-12 13:17:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 904.66 Mbit/s  
95th percentile per-packet one-way delay: 3.900 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 764.85 Mbit/s  
95th percentile per-packet one-way delay: 4.232 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 194.64 Mbit/s  
95th percentile per-packet one-way delay: 3.099 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 31.96 Mbit/s  
95th percentile per-packet one-way delay: 3.090 ms  
Loss rate: 0.00%

Run 1: Report of PCC — Data Link

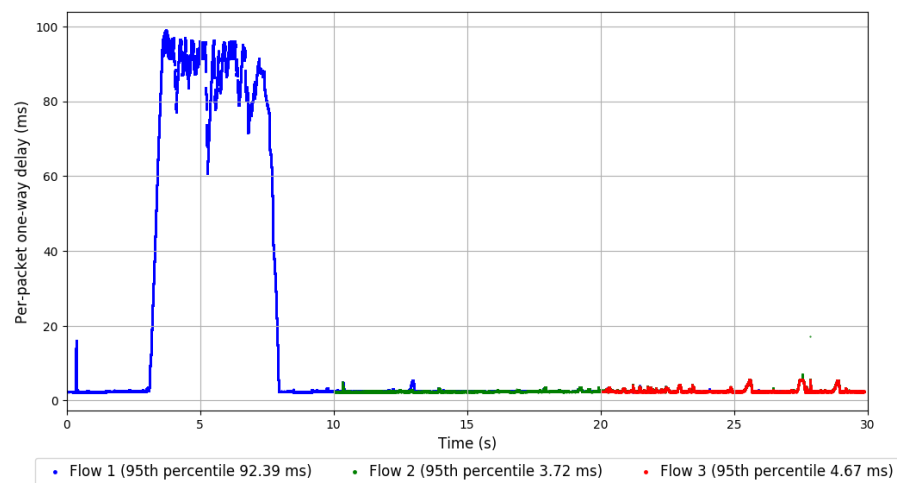
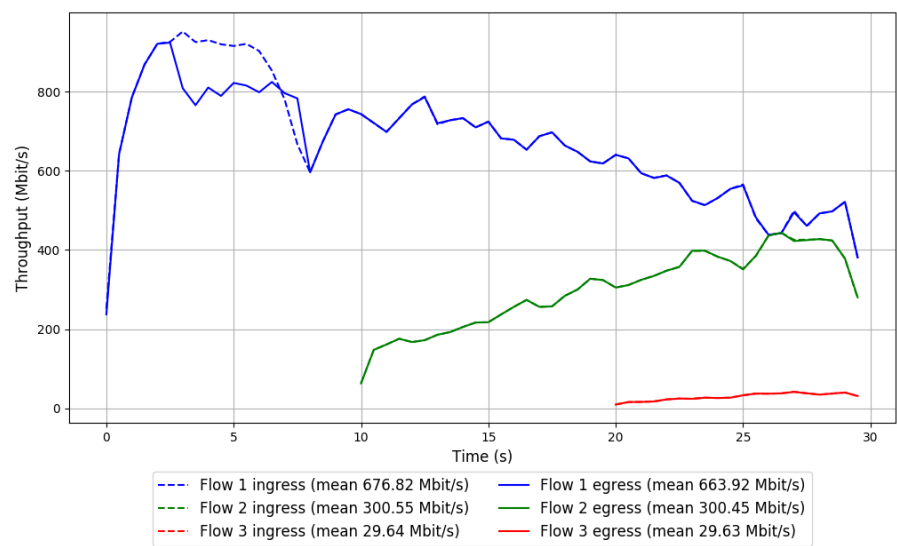


Run 2: Statistics of PCC

Start at: 2017-10-12 07:11:29  
End at: 2017-10-12 07:11:59  
Local clock offset: -0.406 ms  
Remote clock offset: -0.265 ms

# Below is generated by plot.py at 2017-10-12 13:17:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 873.35 Mbit/s  
95th percentile per-packet one-way delay: 91.477 ms  
Loss rate: 1.46%  
-- Flow 1:  
Average throughput: 663.92 Mbit/s  
95th percentile per-packet one-way delay: 92.389 ms  
Loss rate: 1.91%  
-- Flow 2:  
Average throughput: 300.45 Mbit/s  
95th percentile per-packet one-way delay: 3.721 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 29.63 Mbit/s  
95th percentile per-packet one-way delay: 4.674 ms  
Loss rate: 0.03%

Run 2: Report of PCC — Data Link



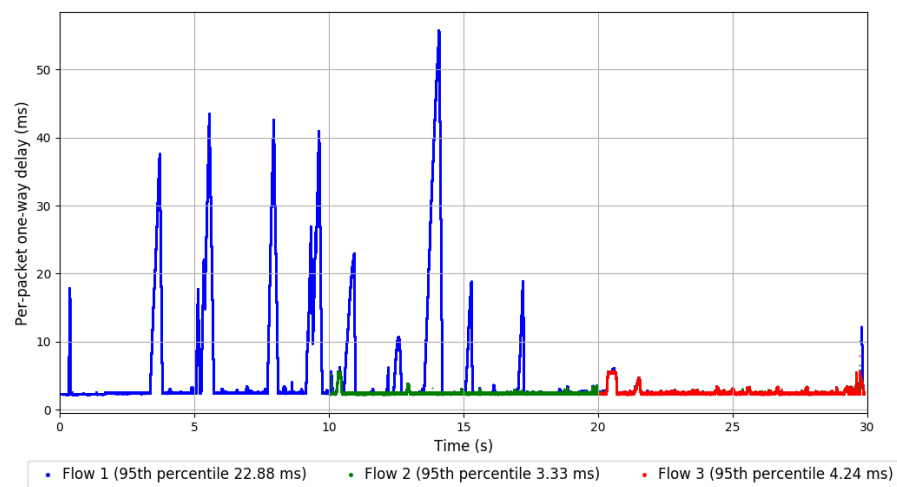
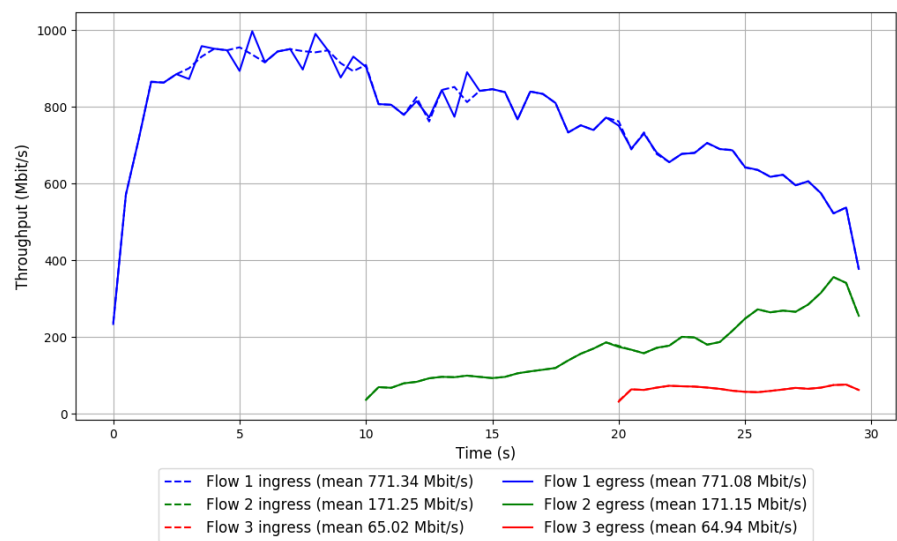
Run 3: Statistics of PCC

Start at: 2017-10-12 07:31:46  
End at: 2017-10-12 07:32:16  
Local clock offset: -0.396 ms  
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2017-10-12 13:21:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 906.21 Mbit/s  
95th percentile per-packet one-way delay: 20.712 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 771.08 Mbit/s  
95th percentile per-packet one-way delay: 22.875 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 171.15 Mbit/s  
95th percentile per-packet one-way delay: 3.334 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 64.94 Mbit/s  
95th percentile per-packet one-way delay: 4.235 ms  
Loss rate: 0.12%



Run 3: Report of PCC — Data Link

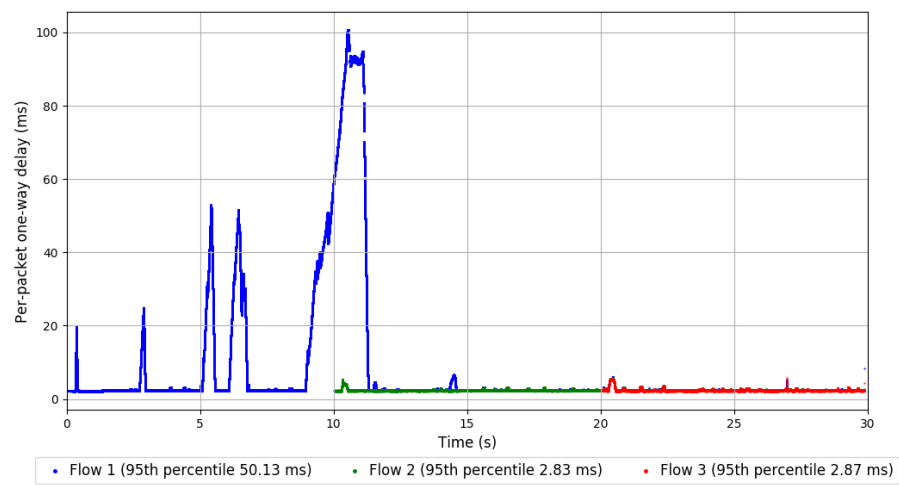
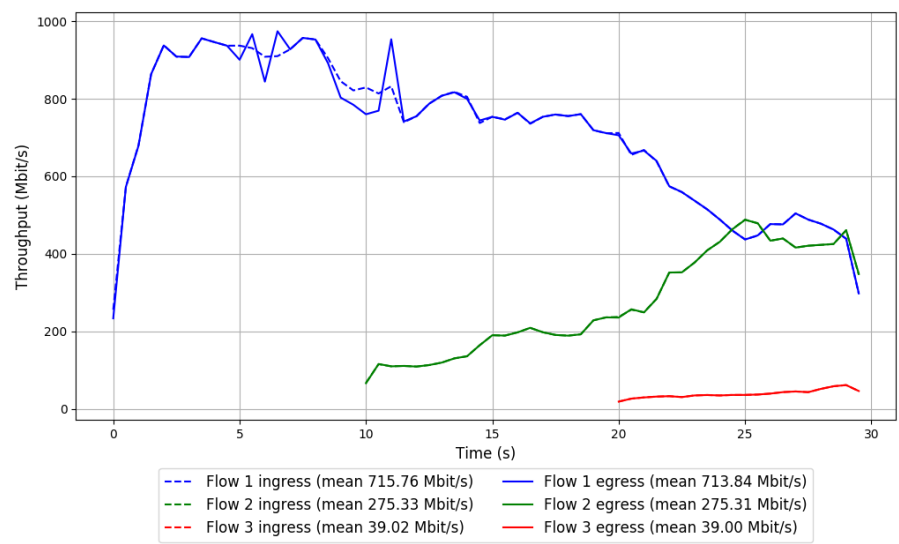


Run 4: Statistics of PCC

Start at: 2017-10-12 07:52:11  
End at: 2017-10-12 07:52:41  
Local clock offset: -0.369 ms  
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2017-10-12 13:26:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 909.70 Mbit/s  
95th percentile per-packet one-way delay: 43.950 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 713.84 Mbit/s  
95th percentile per-packet one-way delay: 50.130 ms  
Loss rate: 0.25%  
-- Flow 2:  
Average throughput: 275.31 Mbit/s  
95th percentile per-packet one-way delay: 2.833 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 39.00 Mbit/s  
95th percentile per-packet one-way delay: 2.866 ms  
Loss rate: 0.01%

Run 4: Report of PCC — Data Link

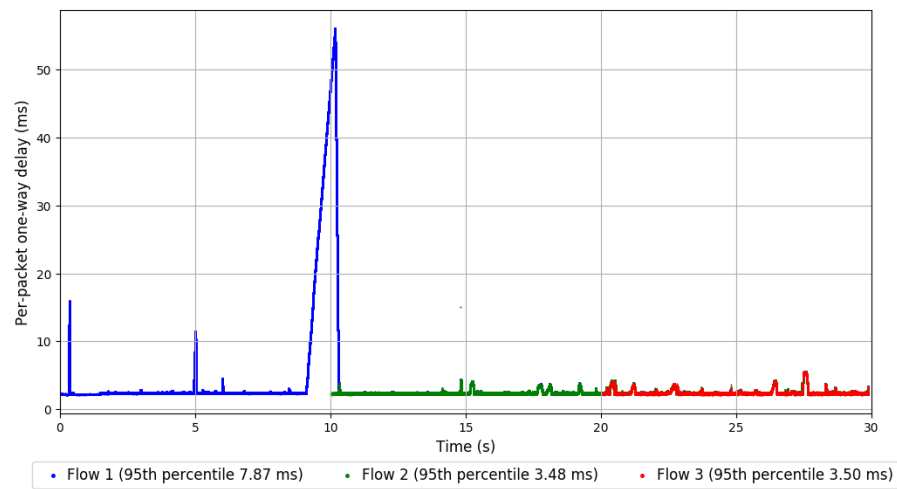
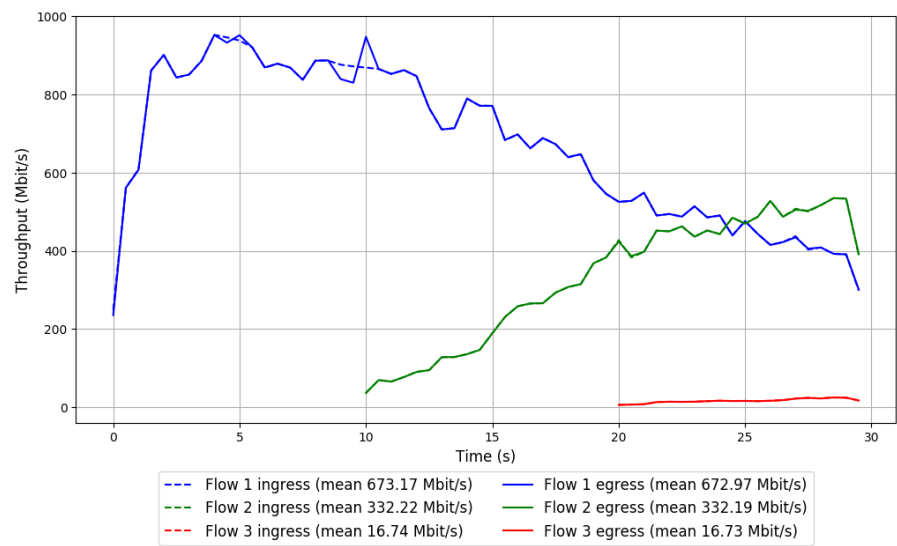


Run 5: Statistics of PCC

Start at: 2017-10-12 08:12:18  
End at: 2017-10-12 08:12:48  
Local clock offset: -0.337 ms  
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2017-10-12 13:26:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 899.35 Mbit/s  
95th percentile per-packet one-way delay: 4.104 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 672.97 Mbit/s  
95th percentile per-packet one-way delay: 7.874 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 332.19 Mbit/s  
95th percentile per-packet one-way delay: 3.476 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 16.73 Mbit/s  
95th percentile per-packet one-way delay: 3.501 ms  
Loss rate: 0.06%

Run 5: Report of PCC — Data Link

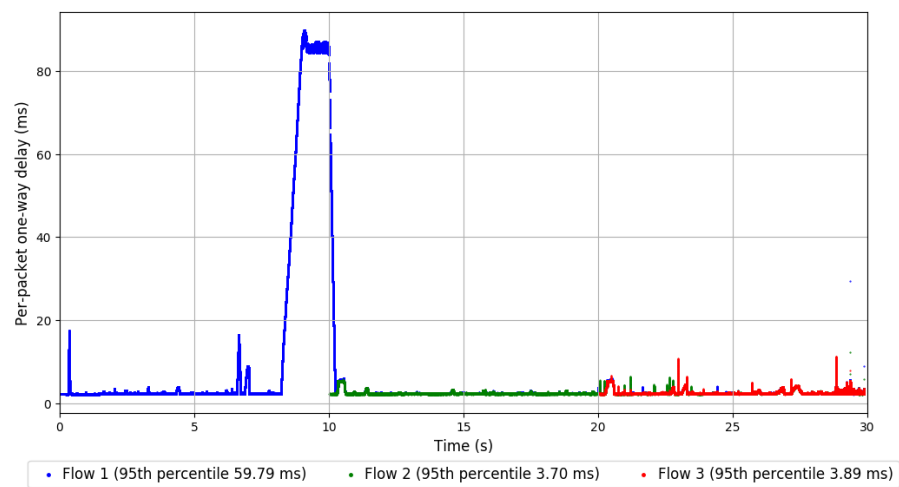
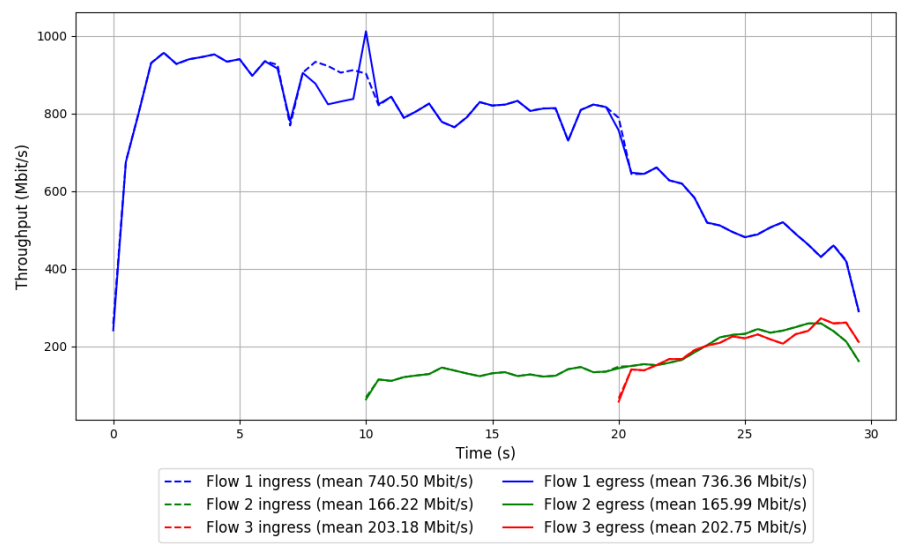


Run 6: Statistics of PCC

Start at: 2017-10-12 08:32:44  
End at: 2017-10-12 08:33:14  
Local clock offset: -0.27 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2017-10-12 13:27:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 913.46 Mbit/s  
95th percentile per-packet one-way delay: 36.313 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 736.36 Mbit/s  
95th percentile per-packet one-way delay: 59.786 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 165.99 Mbit/s  
95th percentile per-packet one-way delay: 3.698 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 202.75 Mbit/s  
95th percentile per-packet one-way delay: 3.889 ms  
Loss rate: 0.21%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-10-12 08:52:55

End at: 2017-10-12 08:53:25

Local clock offset: -0.235 ms

Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 13:28:45

# Datalink statistics

-- Total of 3 flows:

Average throughput: 910.28 Mbit/s

95th percentile per-packet one-way delay: 51.247 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 722.51 Mbit/s

95th percentile per-packet one-way delay: 65.559 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 256.82 Mbit/s

95th percentile per-packet one-way delay: 4.998 ms

Loss rate: 0.05%

-- Flow 3:

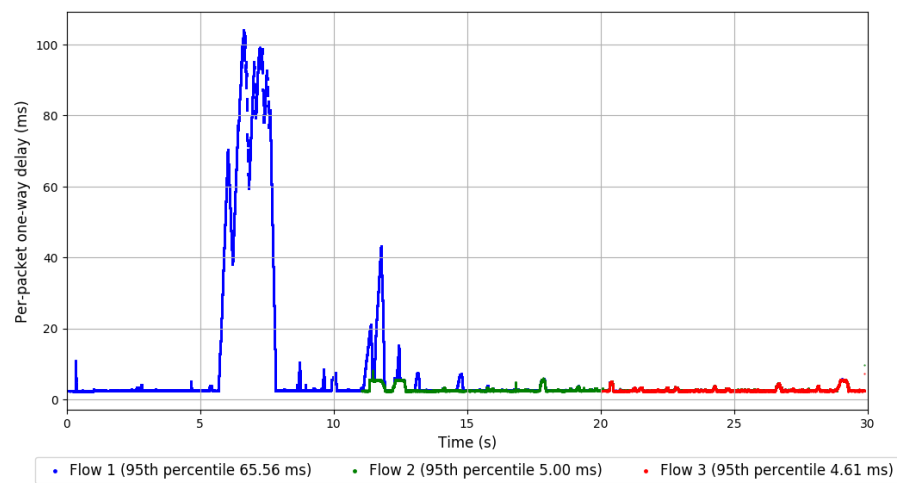
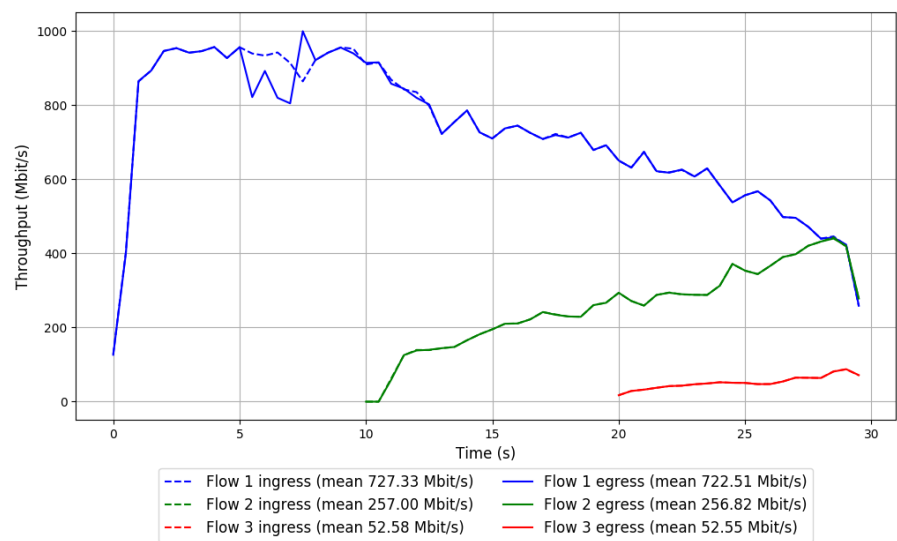
Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 4.613 ms

Loss rate: 0.01%



Run 7: Report of PCC — Data Link

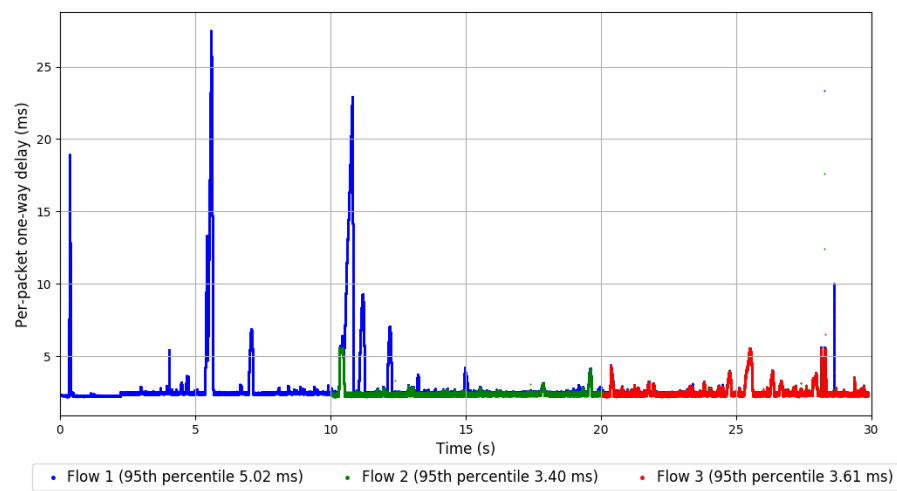
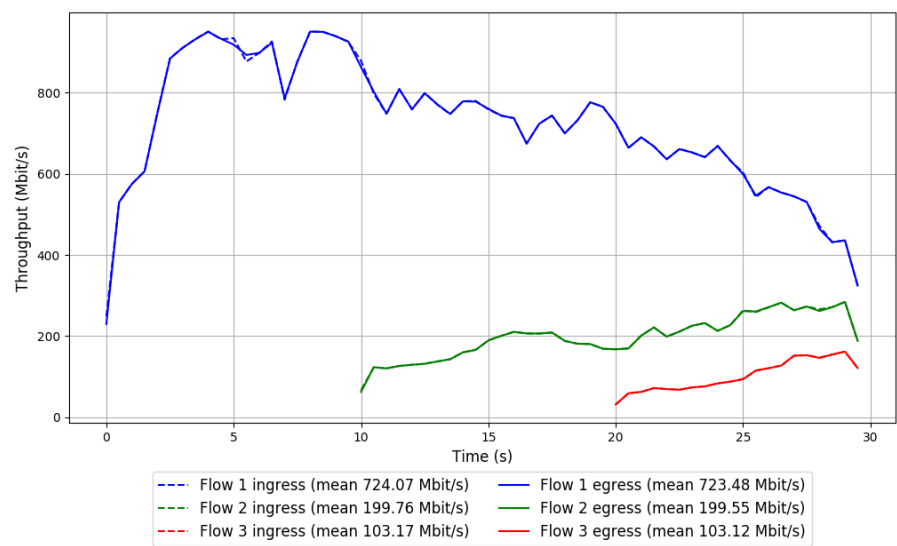


Run 8: Statistics of PCC

Start at: 2017-10-12 09:13:15  
End at: 2017-10-12 09:13:45  
Local clock offset: -0.237 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2017-10-12 13:28:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 889.92 Mbit/s  
95th percentile per-packet one-way delay: 4.317 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 723.48 Mbit/s  
95th percentile per-packet one-way delay: 5.018 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 199.55 Mbit/s  
95th percentile per-packet one-way delay: 3.401 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 103.12 Mbit/s  
95th percentile per-packet one-way delay: 3.609 ms  
Loss rate: 0.05%

Run 8: Report of PCC — Data Link

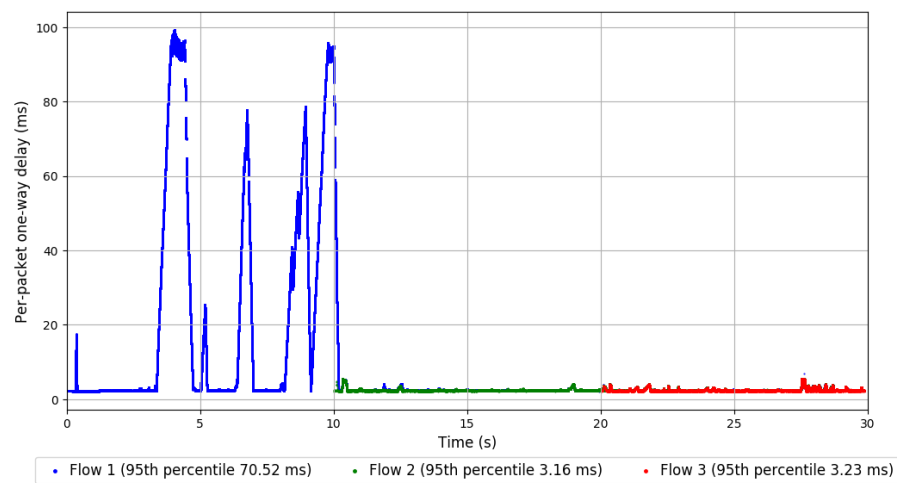
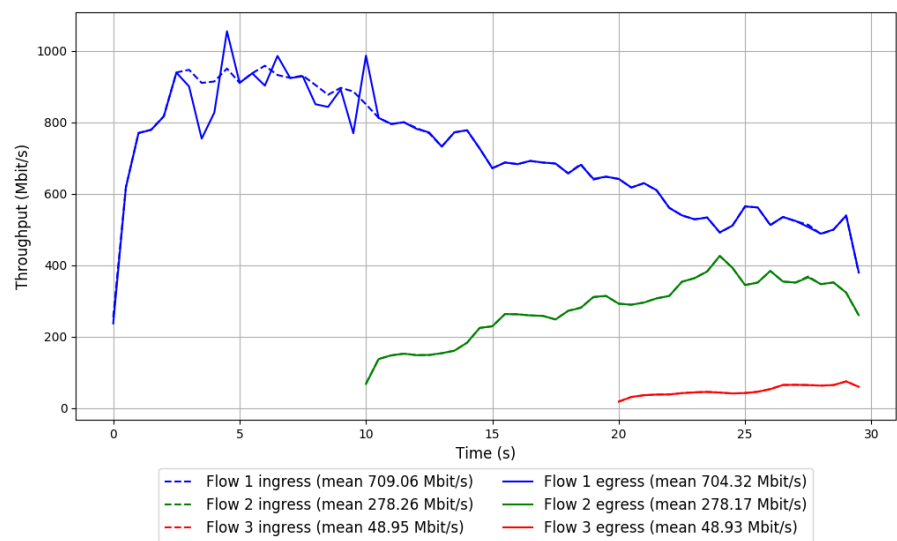


Run 9: Statistics of PCC

Start at: 2017-10-12 09:33:28  
End at: 2017-10-12 09:33:58  
Local clock offset: -0.117 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 905.36 Mbit/s  
95th percentile per-packet one-way delay: 61.540 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 704.32 Mbit/s  
95th percentile per-packet one-way delay: 70.522 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 278.17 Mbit/s  
95th percentile per-packet one-way delay: 3.158 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 48.93 Mbit/s  
95th percentile per-packet one-way delay: 3.228 ms  
Loss rate: 0.05%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-10-12 09:53:38

End at: 2017-10-12 09:54:08

Local clock offset: -0.08 ms

Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 867.86 Mbit/s

95th percentile per-packet one-way delay: 3.340 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 633.98 Mbit/s

95th percentile per-packet one-way delay: 3.285 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 307.68 Mbit/s

95th percentile per-packet one-way delay: 3.533 ms

Loss rate: 0.08%

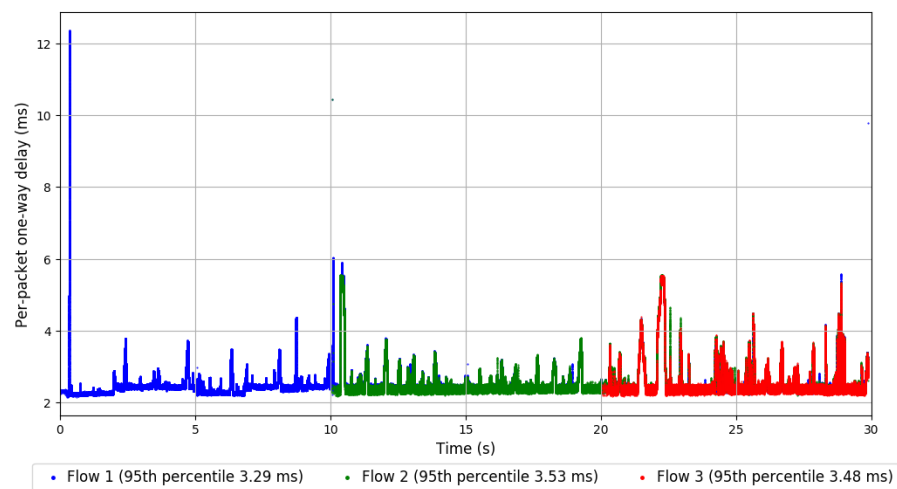
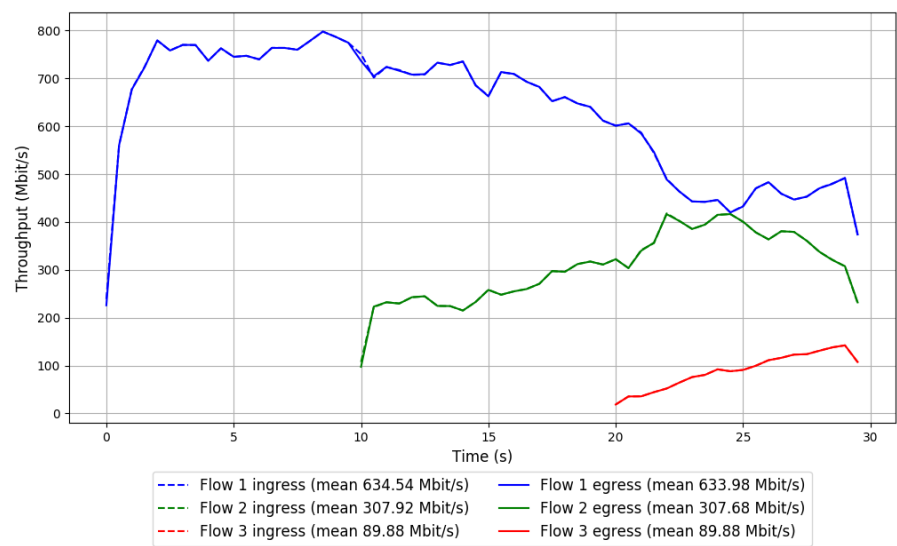
-- Flow 3:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 3.475 ms

Loss rate: 0.01%

Run 10: Report of PCC — Data Link



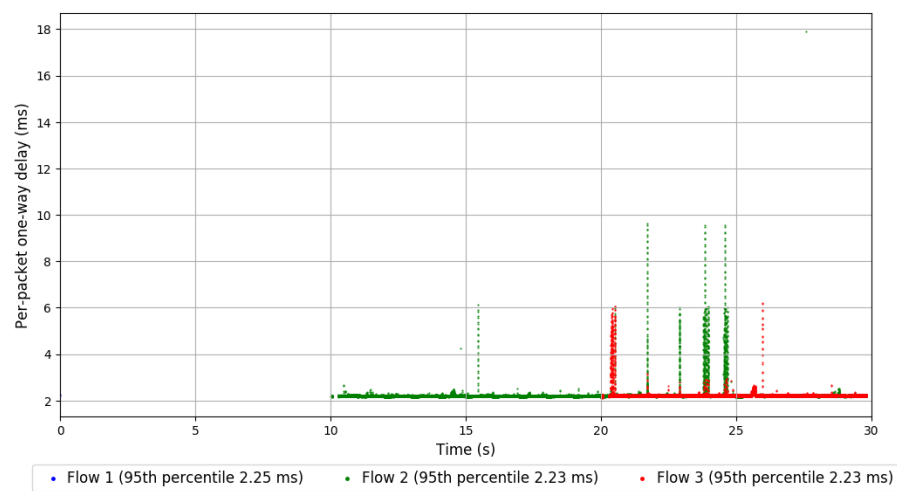
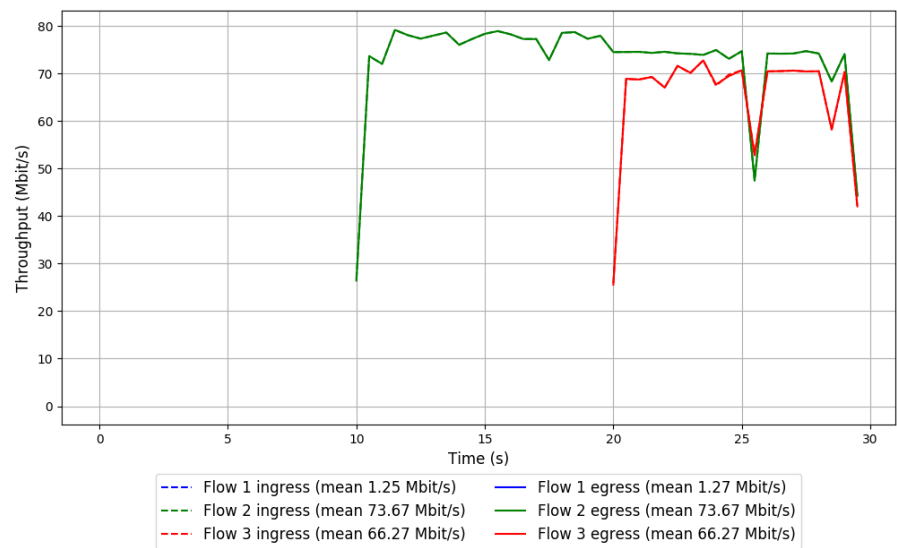
Run 1: Statistics of QUIC Cubic

Start at: 2017-10-12 07:07:33  
End at: 2017-10-12 07:08:03  
Local clock offset: -0.355 ms  
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.69 Mbit/s  
95th percentile per-packet one-way delay: 2.230 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 2.247 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 73.67 Mbit/s  
95th percentile per-packet one-way delay: 2.227 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 66.27 Mbit/s  
95th percentile per-packet one-way delay: 2.235 ms  
Loss rate: 0.00%



Run 1: Report of QUIC Cubic — Data Link

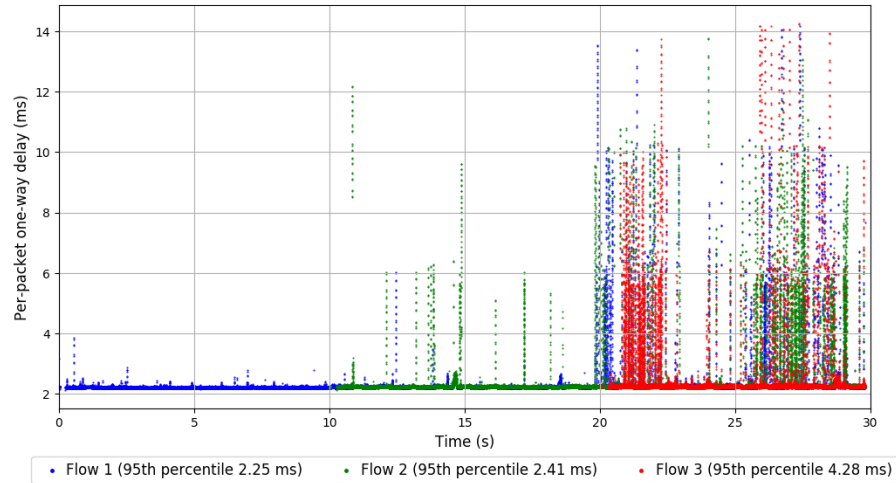
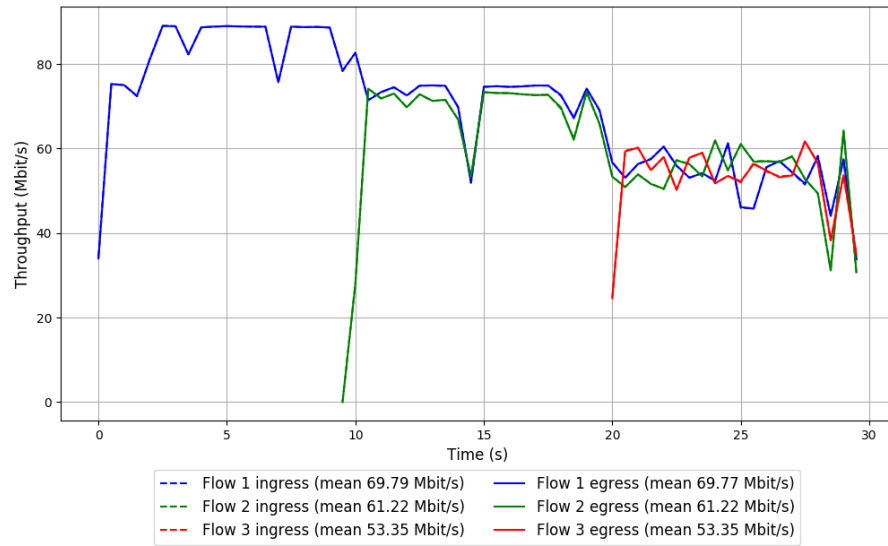


Run 2: Statistics of QUIC Cubic

Start at: 2017-10-12 07:27:43  
End at: 2017-10-12 07:28:13  
Local clock offset: -0.366 ms  
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 127.98 Mbit/s  
95th percentile per-packet one-way delay: 2.278 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 69.77 Mbit/s  
95th percentile per-packet one-way delay: 2.247 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.22 Mbit/s  
95th percentile per-packet one-way delay: 2.406 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.35 Mbit/s  
95th percentile per-packet one-way delay: 4.280 ms  
Loss rate: 0.00%

## Run 2: Report of QUIC Cubic — Data Link

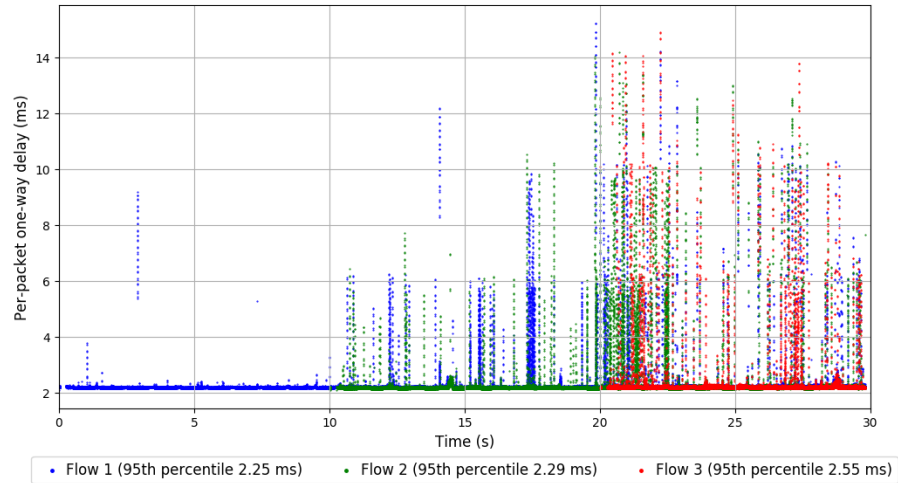
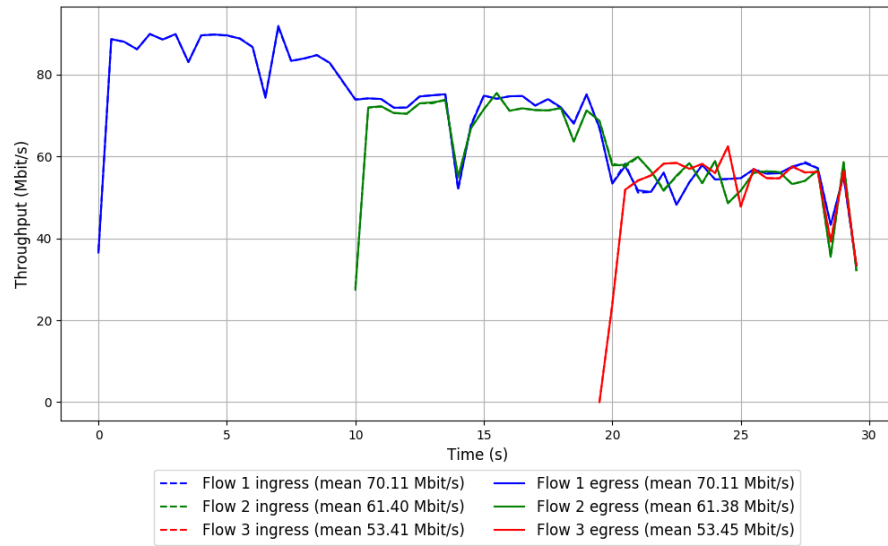


Run 3: Statistics of QUIC Cubic

Start at: 2017-10-12 07:48:10  
End at: 2017-10-12 07:48:40  
Local clock offset: -0.358 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 128.46 Mbit/s  
95th percentile per-packet one-way delay: 2.253 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.11 Mbit/s  
95th percentile per-packet one-way delay: 2.245 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.38 Mbit/s  
95th percentile per-packet one-way delay: 2.290 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.45 Mbit/s  
95th percentile per-packet one-way delay: 2.552 ms  
Loss rate: 0.00%

### Run 3: Report of QUIC Cubic — Data Link

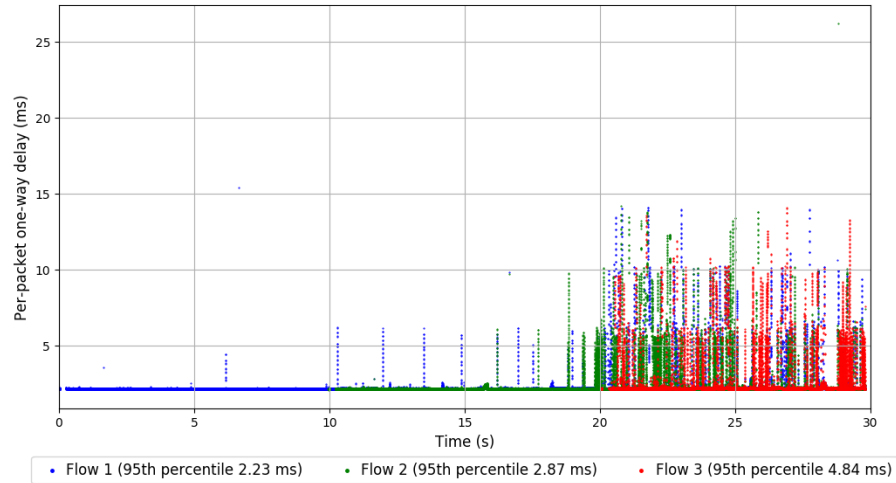
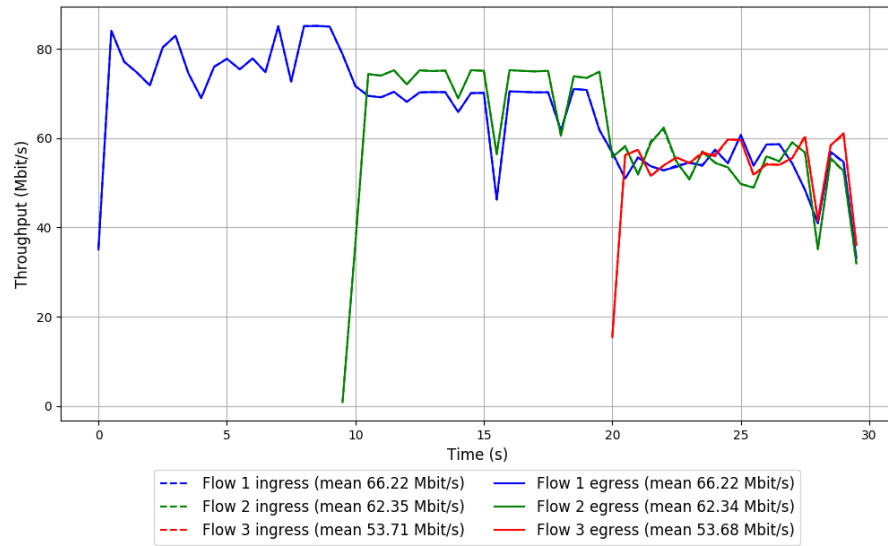


Run 4: Statistics of QUIC Cubic

Start at: 2017-10-12 08:08:18  
End at: 2017-10-12 08:08:48  
Local clock offset: -0.353 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.35 Mbit/s  
95th percentile per-packet one-way delay: 2.293 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 66.22 Mbit/s  
95th percentile per-packet one-way delay: 2.233 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.34 Mbit/s  
95th percentile per-packet one-way delay: 2.873 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.68 Mbit/s  
95th percentile per-packet one-way delay: 4.841 ms  
Loss rate: 0.00%

#### Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-10-12 08:28:43

End at: 2017-10-12 08:29:13

Local clock offset: -0.359 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 127.24 Mbit/s

95th percentile per-packet one-way delay: 2.317 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 2.305 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.06 Mbit/s

95th percentile per-packet one-way delay: 2.318 ms

Loss rate: 0.00%

-- Flow 3:

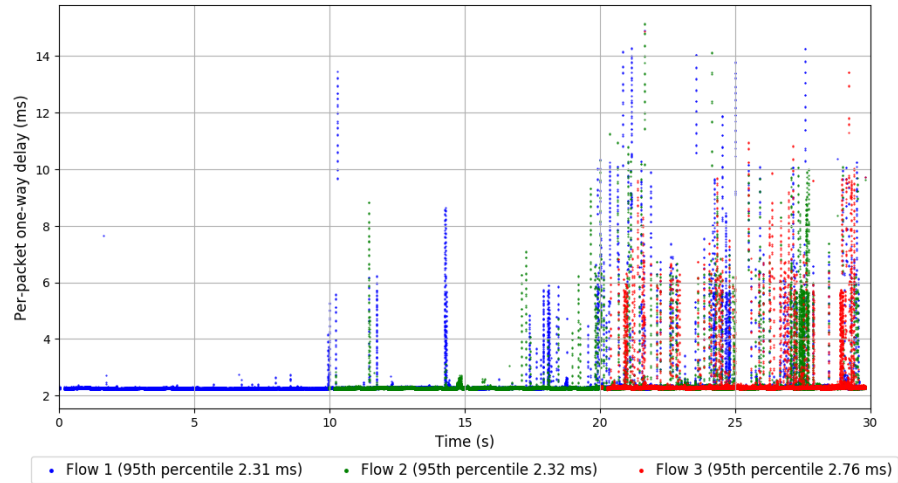
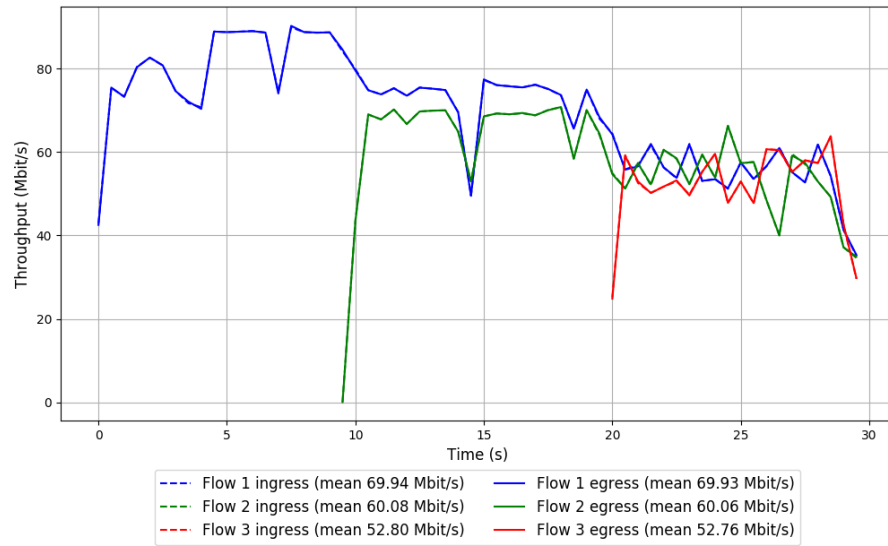
Average throughput: 52.76 Mbit/s

95th percentile per-packet one-way delay: 2.762 ms

Loss rate: 0.00%



## Run 5: Report of QUIC Cubic — Data Link

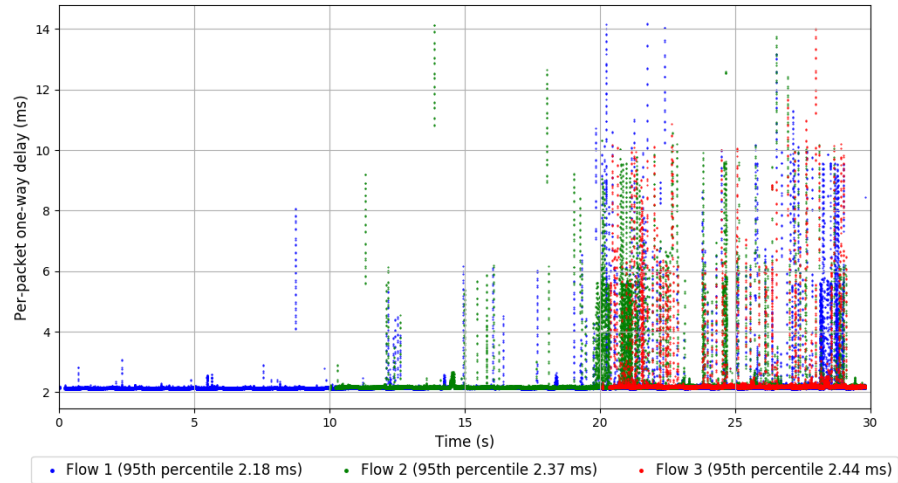
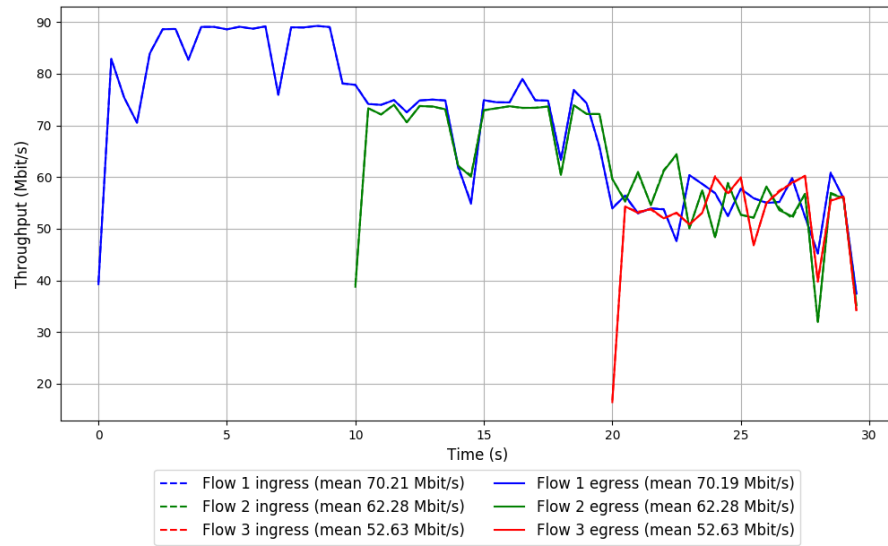


Run 6: Statistics of QUIC Cubic

Start at: 2017-10-12 08:48:54  
End at: 2017-10-12 08:49:24  
Local clock offset: -0.215 ms  
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 128.79 Mbit/s  
95th percentile per-packet one-way delay: 2.220 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.19 Mbit/s  
95th percentile per-packet one-way delay: 2.184 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.28 Mbit/s  
95th percentile per-packet one-way delay: 2.372 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.63 Mbit/s  
95th percentile per-packet one-way delay: 2.441 ms  
Loss rate: 0.00%

## Run 6: Report of QUIC Cubic — Data Link

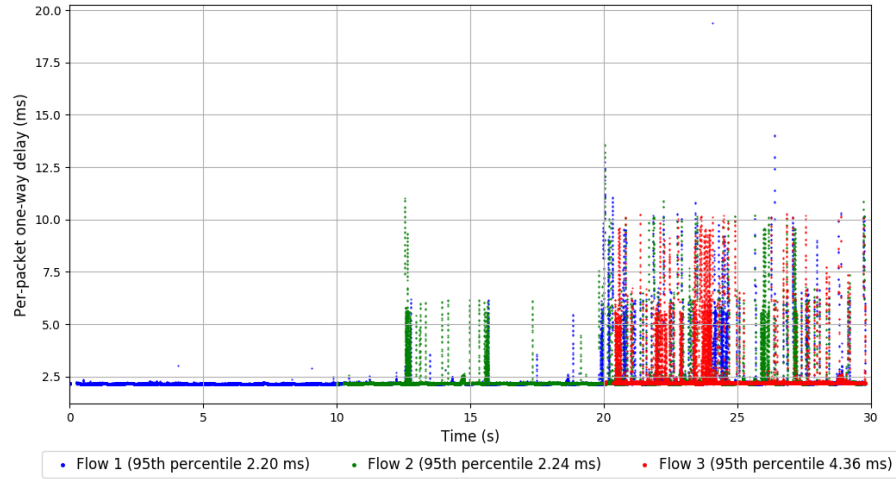
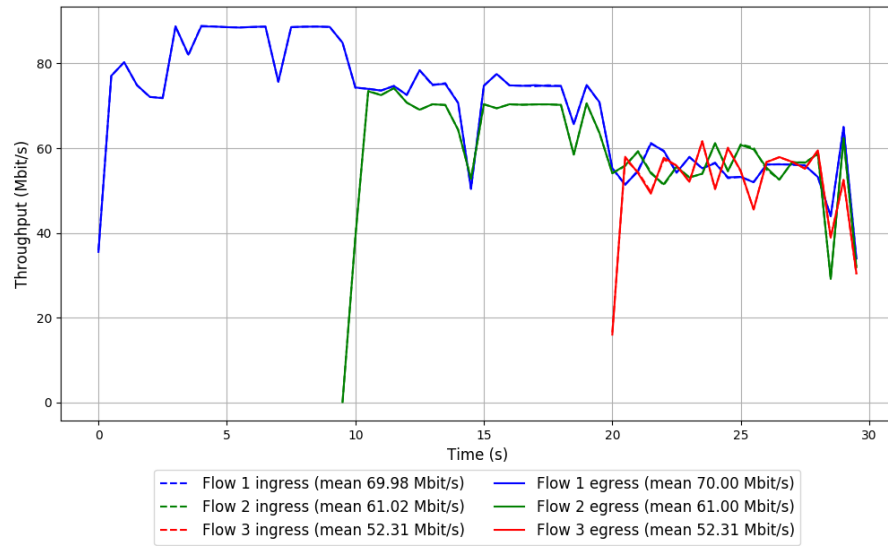


Run 7: Statistics of QUIC Cubic

Start at: 2017-10-12 09:09:12  
End at: 2017-10-12 09:09:42  
Local clock offset: -0.188 ms  
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 127.72 Mbit/s  
95th percentile per-packet one-way delay: 2.229 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 70.00 Mbit/s  
95th percentile per-packet one-way delay: 2.201 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.00 Mbit/s  
95th percentile per-packet one-way delay: 2.240 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 52.31 Mbit/s  
95th percentile per-packet one-way delay: 4.364 ms  
Loss rate: 0.00%

## Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-10-12 09:29:29

End at: 2017-10-12 09:29:59

Local clock offset: -0.132 ms

Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 125.50 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 2.277 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.04 Mbit/s

95th percentile per-packet one-way delay: 2.297 ms

Loss rate: 0.00%

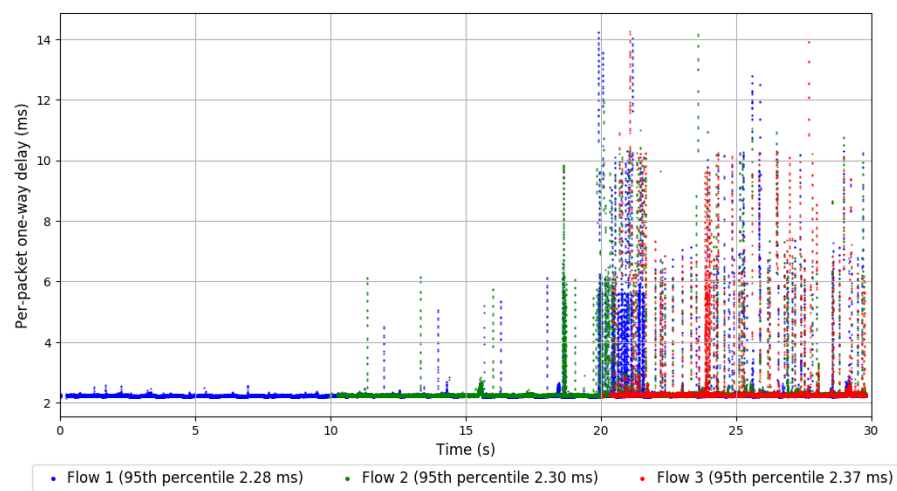
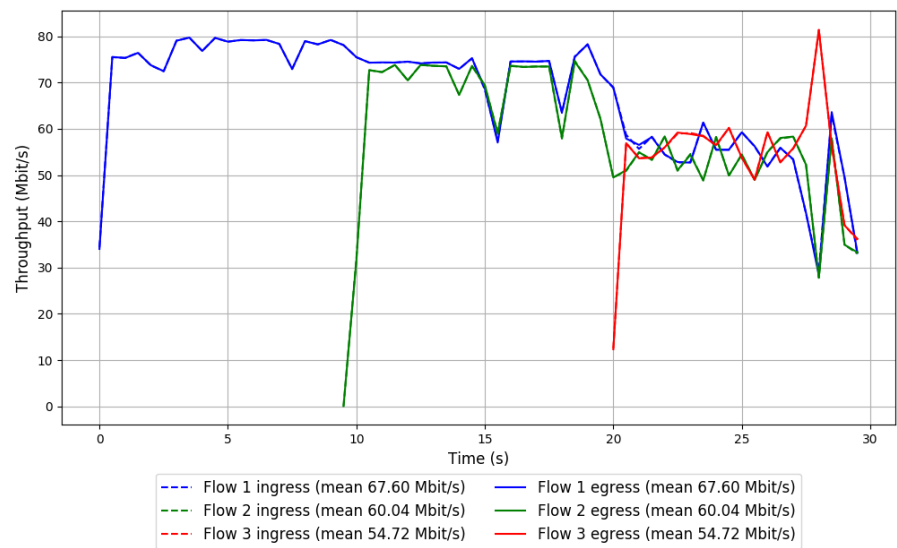
-- Flow 3:

Average throughput: 54.72 Mbit/s

95th percentile per-packet one-way delay: 2.374 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-10-12 09:49:40

End at: 2017-10-12 09:50:10

Local clock offset: -0.069 ms

Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 125.88 Mbit/s

95th percentile per-packet one-way delay: 2.270 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.51 Mbit/s

95th percentile per-packet one-way delay: 2.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.39 Mbit/s

95th percentile per-packet one-way delay: 2.283 ms

Loss rate: 0.00%

-- Flow 3:

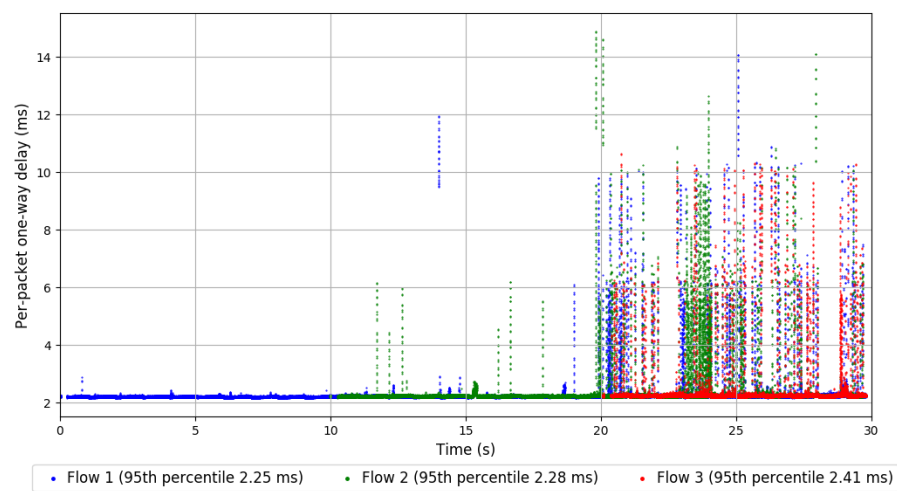
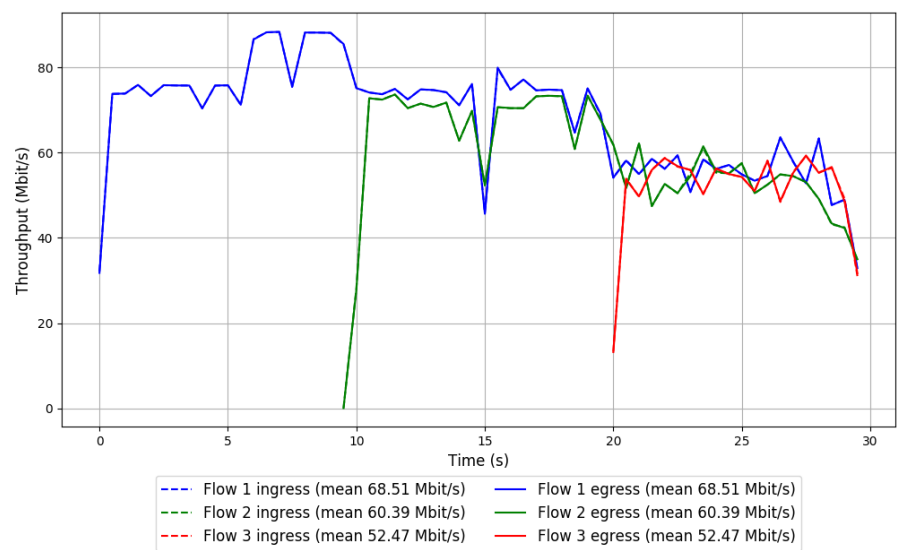
Average throughput: 52.47 Mbit/s

95th percentile per-packet one-way delay: 2.413 ms

Loss rate: 0.00%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-10-12 10:09:43

End at: 2017-10-12 10:10:13

Local clock offset: -0.03 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 125.82 Mbit/s

95th percentile per-packet one-way delay: 2.273 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.56 Mbit/s

95th percentile per-packet one-way delay: 2.256 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.45 Mbit/s

95th percentile per-packet one-way delay: 2.301 ms

Loss rate: 0.00%

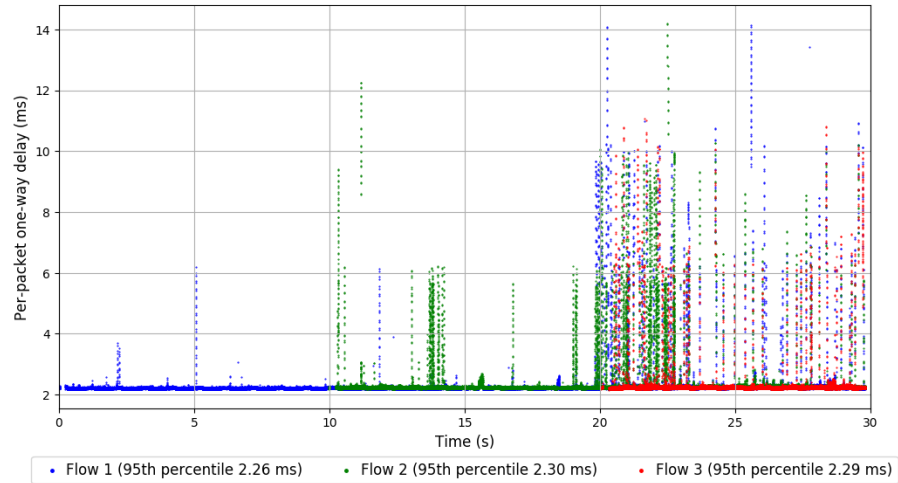
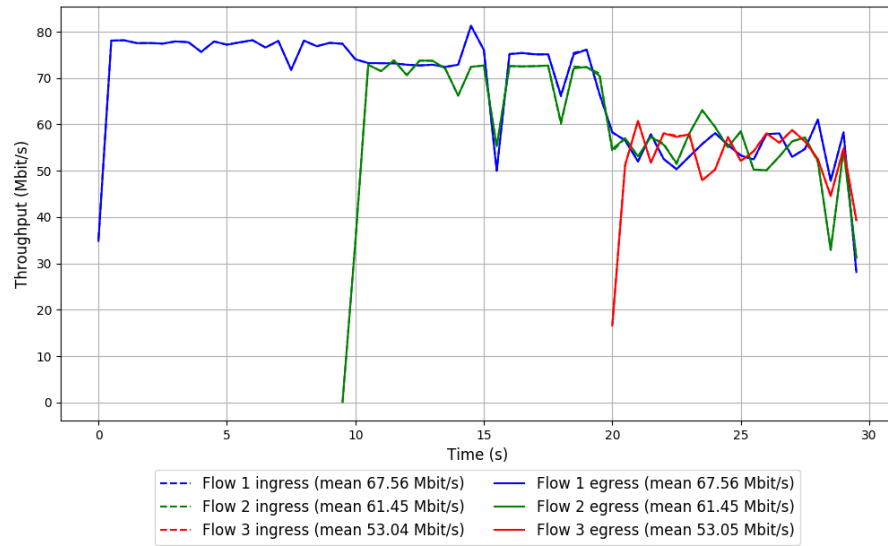
-- Flow 3:

Average throughput: 53.05 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link

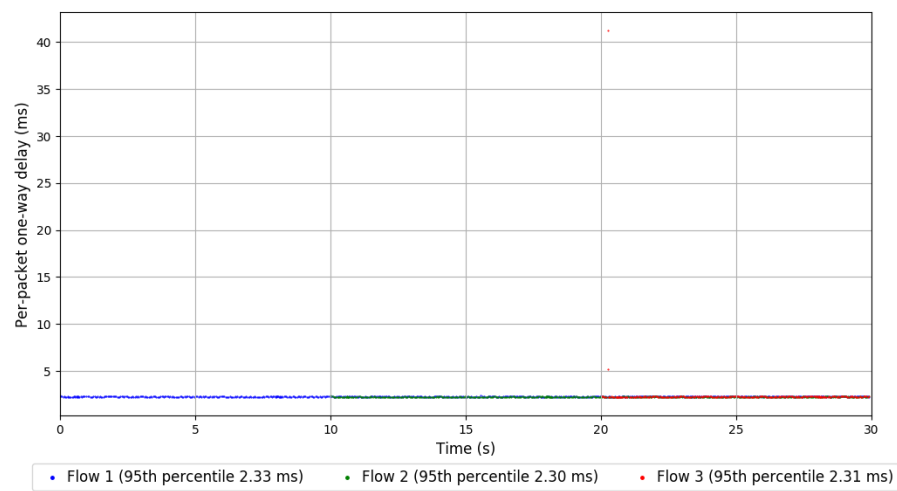
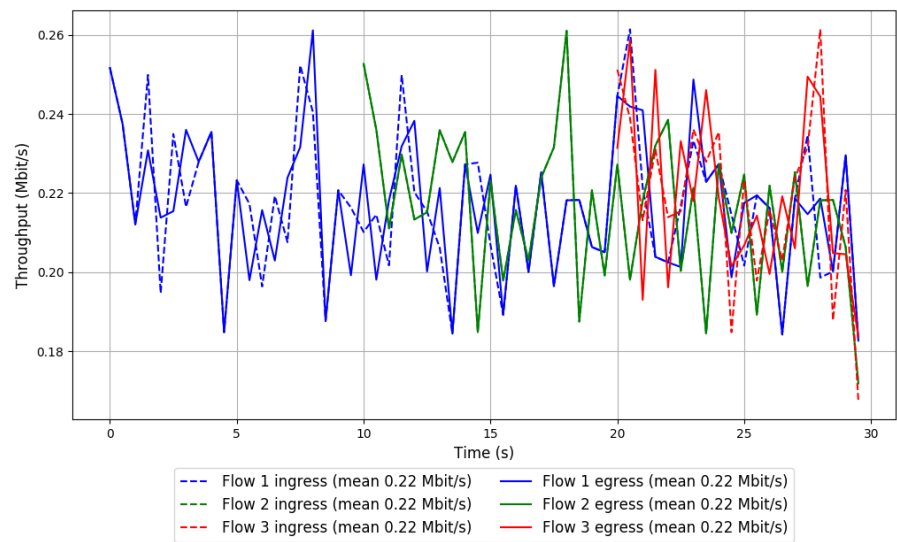


Run 1: Statistics of SReAM

Start at: 2017-10-12 07:06:29  
End at: 2017-10-12 07:06:59  
Local clock offset: -0.331 ms  
Remote clock offset: -0.227 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.321 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.325 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.299 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.312 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

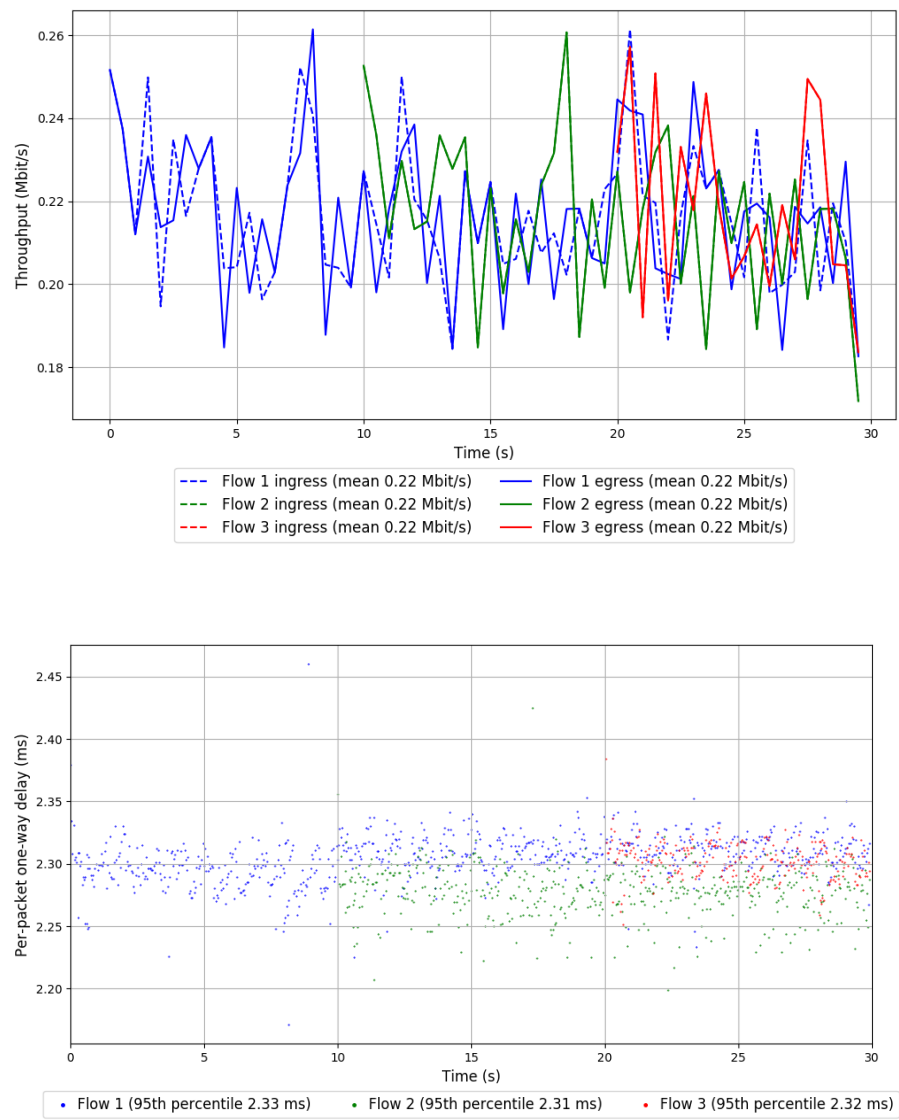


Run 2: Statistics of SReAM

Start at: 2017-10-12 07:26:39  
End at: 2017-10-12 07:27:09  
Local clock offset: -0.441 ms  
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.326 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.330 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.307 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.321 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



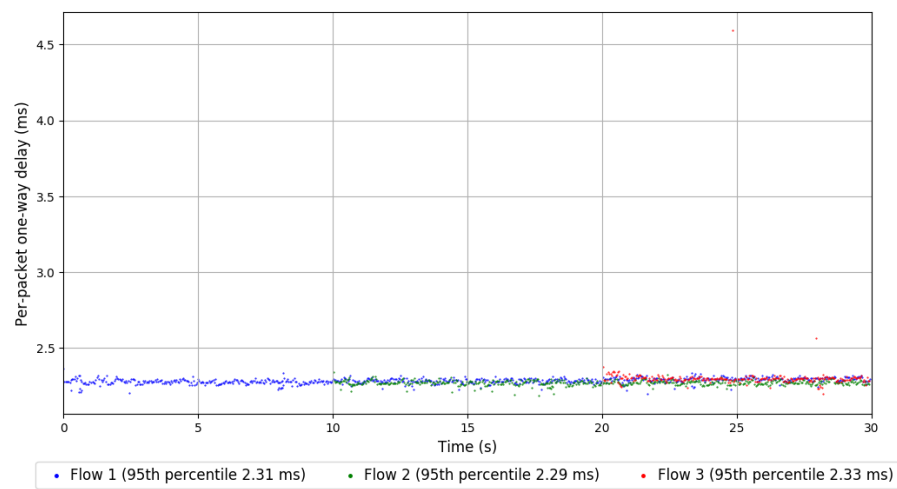
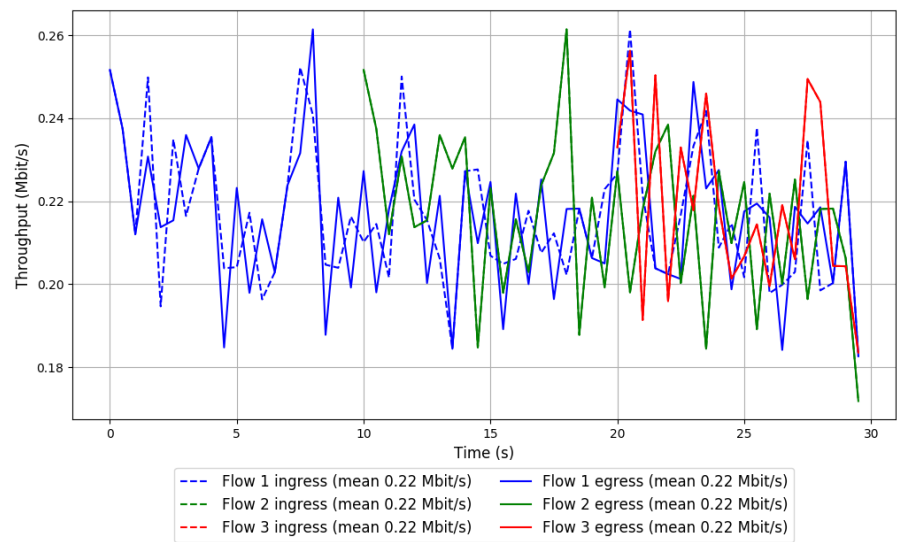
Run 3: Statistics of SReAM

Start at: 2017-10-12 07:47:06  
End at: 2017-10-12 07:47:36  
Local clock offset: -0.377 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.312 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.311 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.294 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.325 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

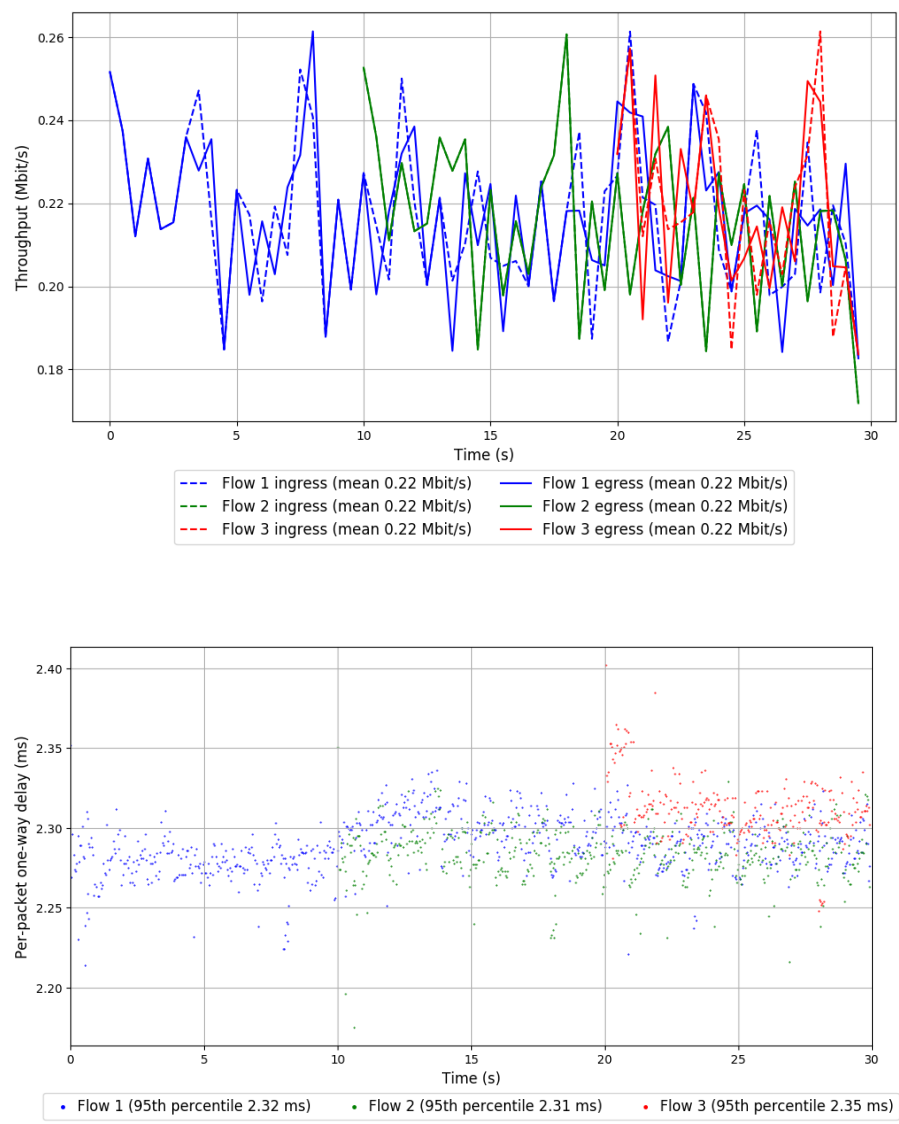


Run 4: Statistics of SReAM

Start at: 2017-10-12 08:07:14  
End at: 2017-10-12 08:07:44  
Local clock offset: -0.367 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.323 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.317 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.308 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.351 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-10-12 08:27:39

End at: 2017-10-12 08:28:09

Local clock offset: -0.313 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.326 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.312 ms

Loss rate: 0.00%

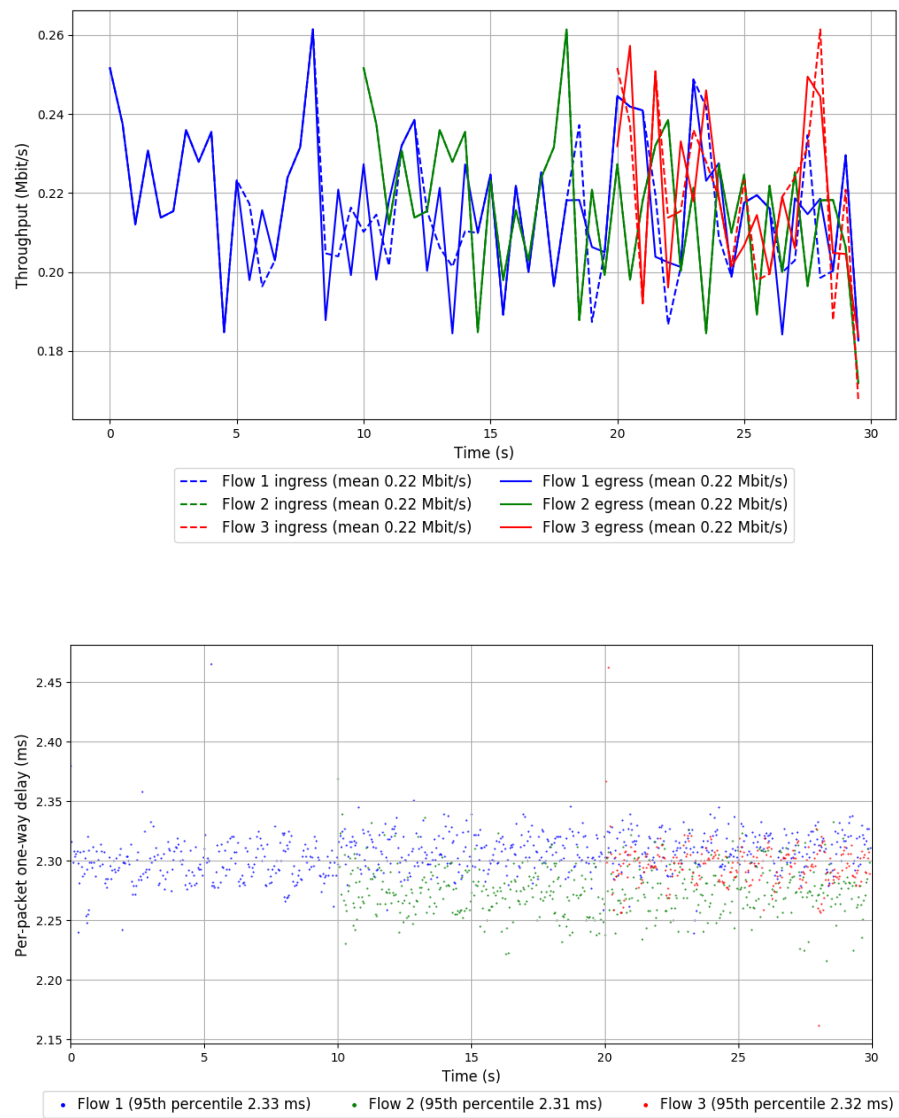
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.317 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2017-10-12 08:47:50

End at: 2017-10-12 08:48:20

Local clock offset: -0.243 ms

Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.321 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.325 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.313 ms

Loss rate: 0.00%

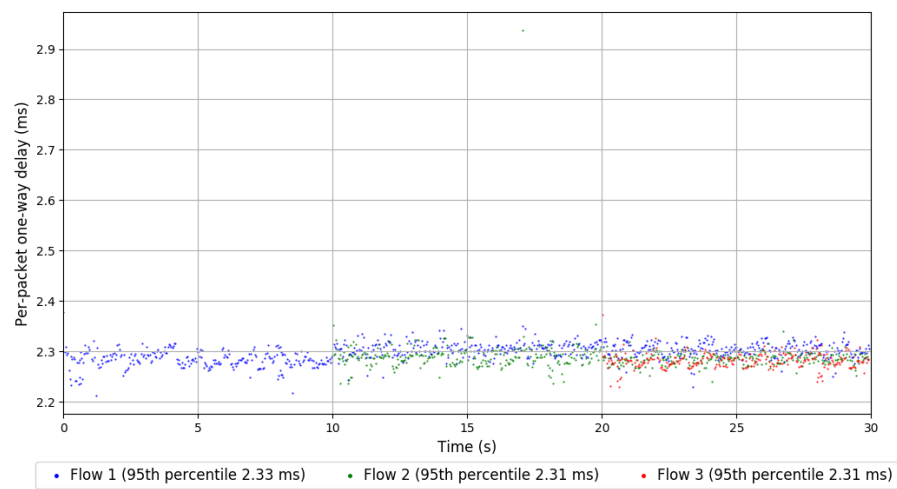
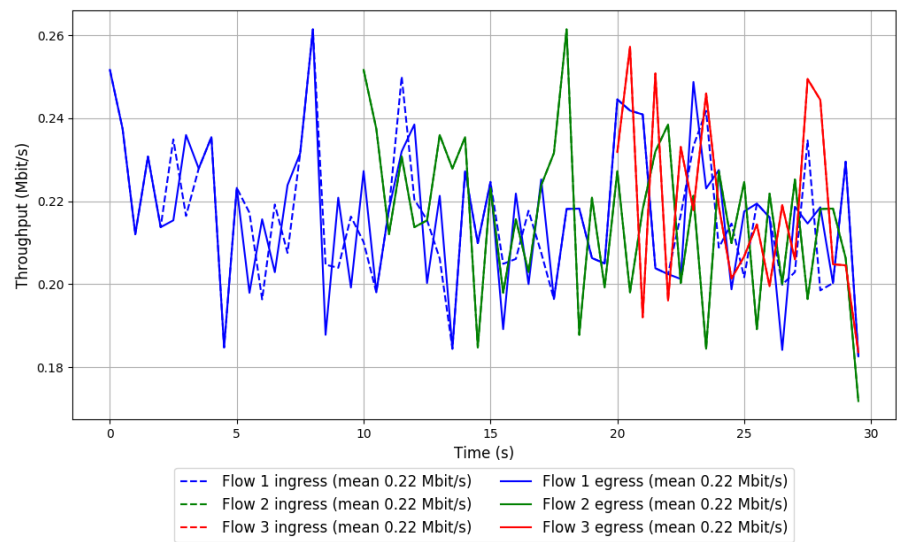
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.305 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



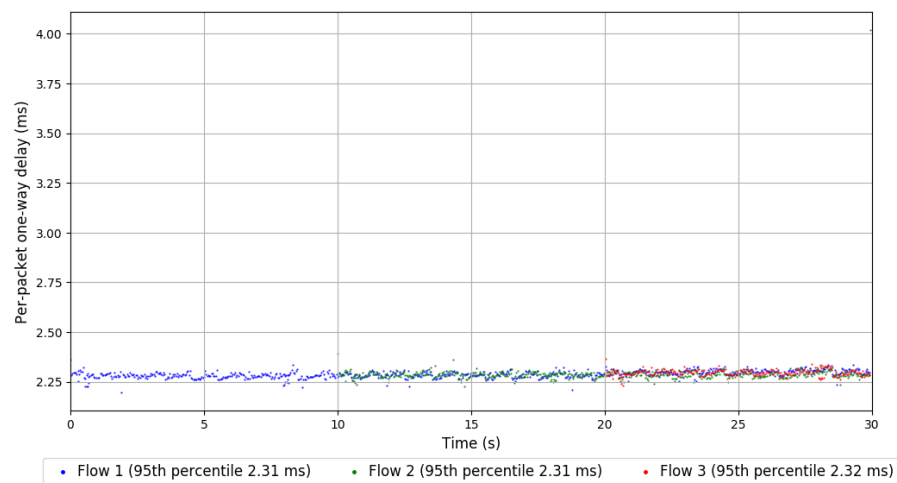
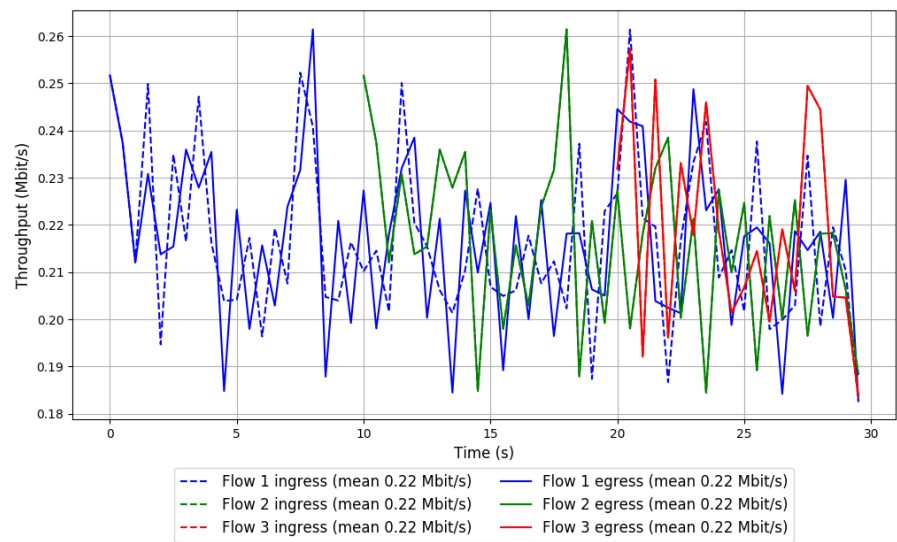
Run 7: Statistics of SReAM

Start at: 2017-10-12 09:08:08  
End at: 2017-10-12 09:08:38  
Local clock offset: -0.186 ms  
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.311 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.321 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2017-10-12 09:28:25

End at: 2017-10-12 09:28:55

Local clock offset: -0.109 ms

Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.285 ms

Loss rate: 0.00%

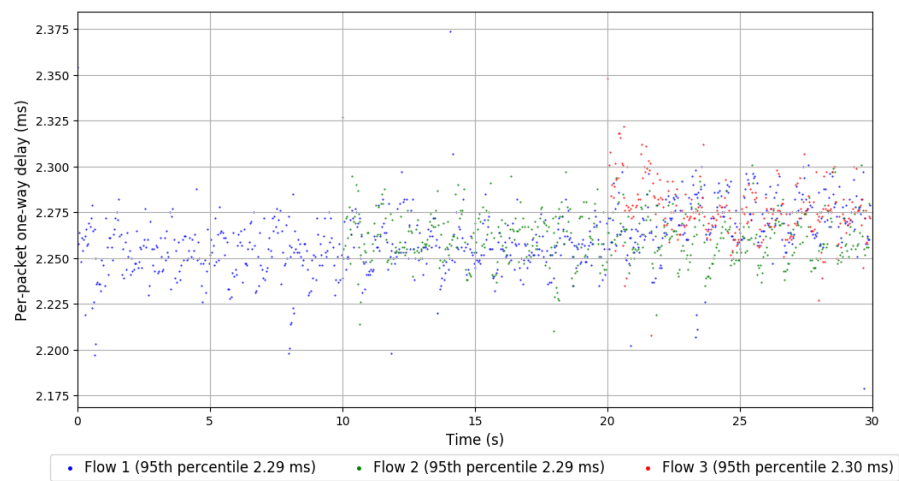
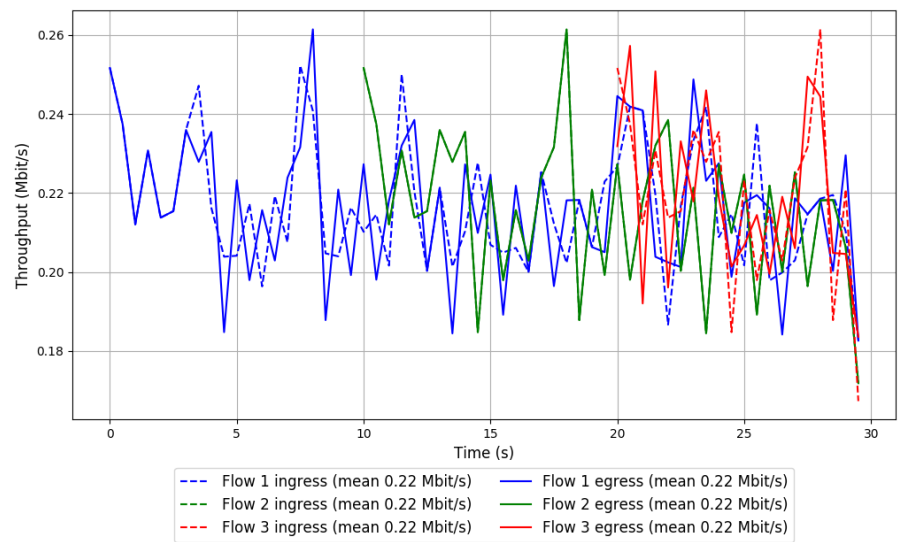
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.302 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-10-12 09:48:36

End at: 2017-10-12 09:49:06

Local clock offset: -0.081 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.236 ms

Loss rate: 0.00%

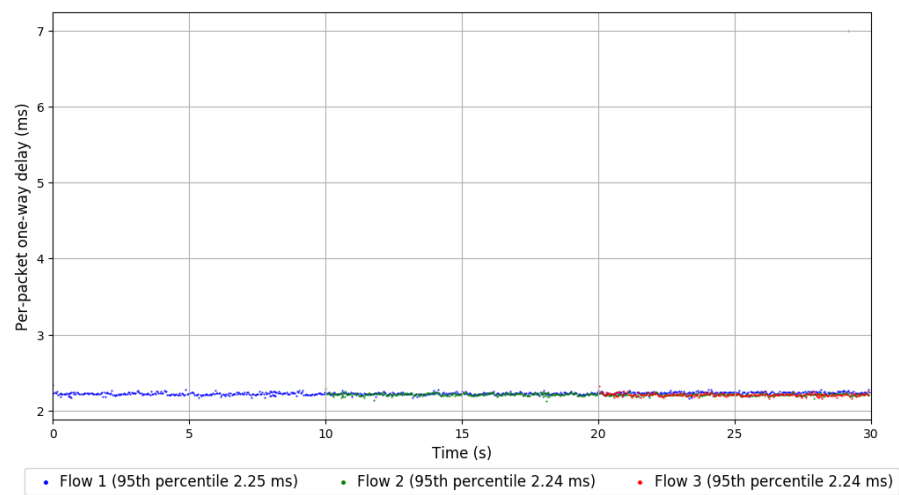
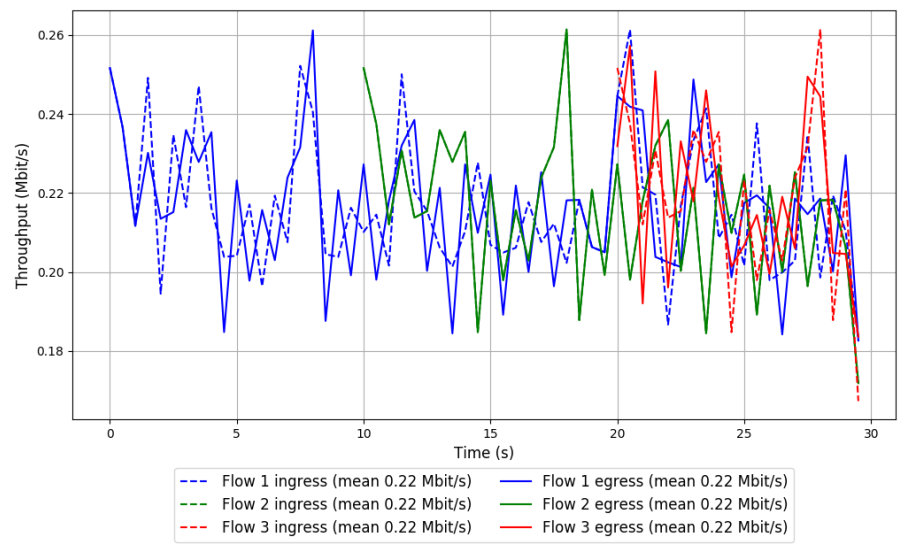
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.244 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

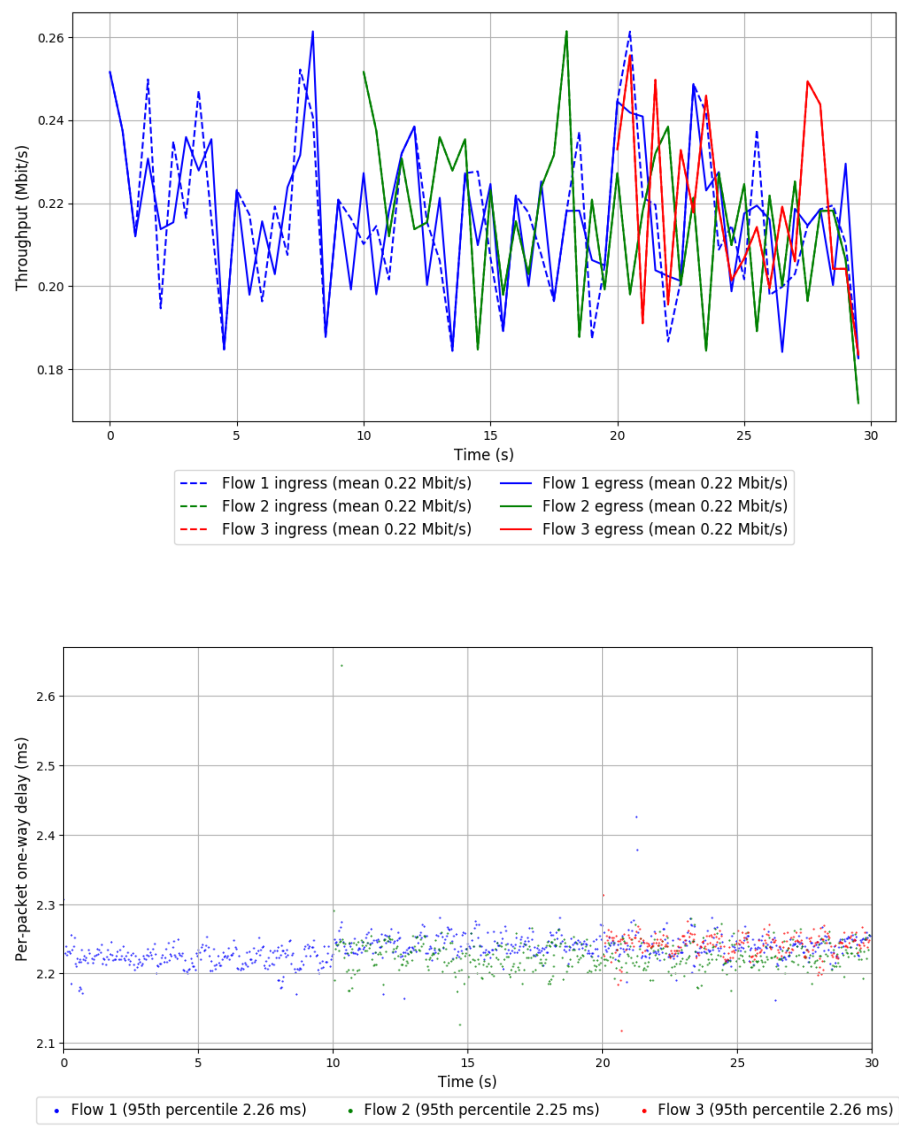


Run 10: Statistics of SReAM

Start at: 2017-10-12 10:08:39  
End at: 2017-10-12 10:09:09  
Local clock offset: -0.037 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.261 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.263 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.255 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.262 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



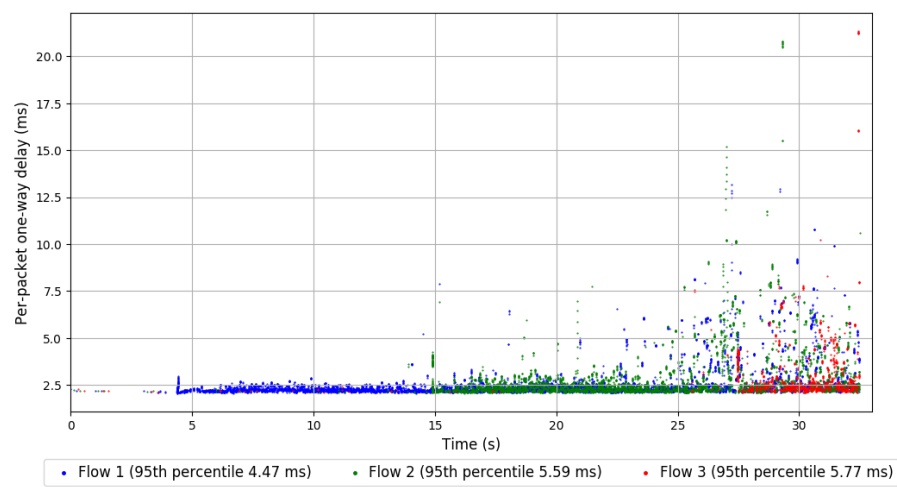
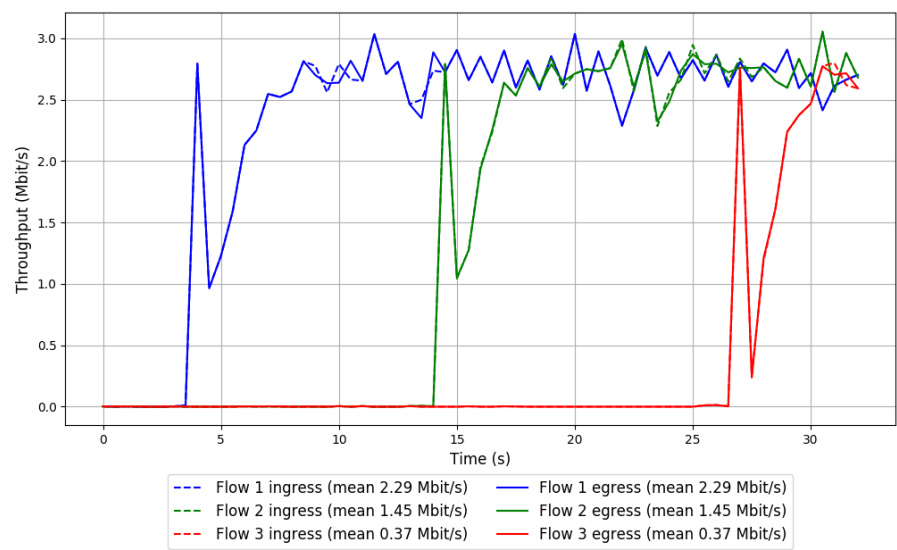
Run 1: Statistics of WebRTC media

Start at: 2017-10-12 07:04:05  
End at: 2017-10-12 07:04:35  
Local clock offset: -0.358 ms  
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.10 Mbit/s  
95th percentile per-packet one-way delay: 4.997 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 4.474 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.587 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 5.766 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

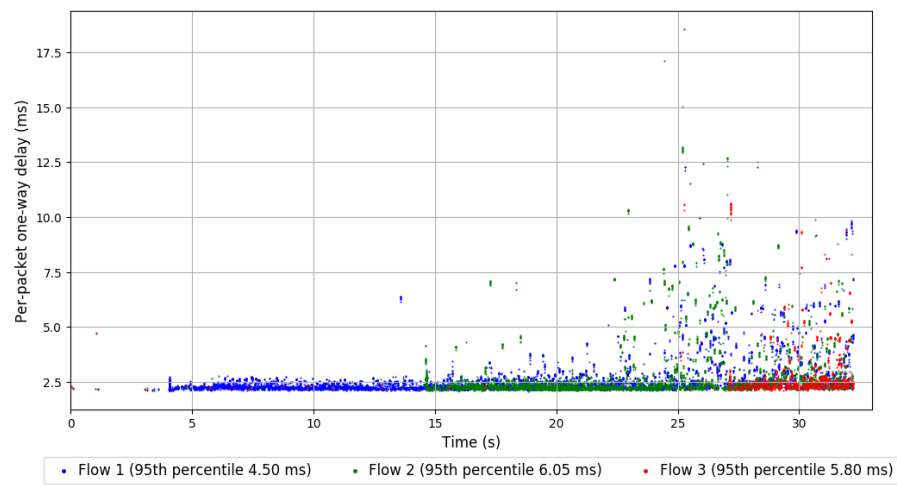
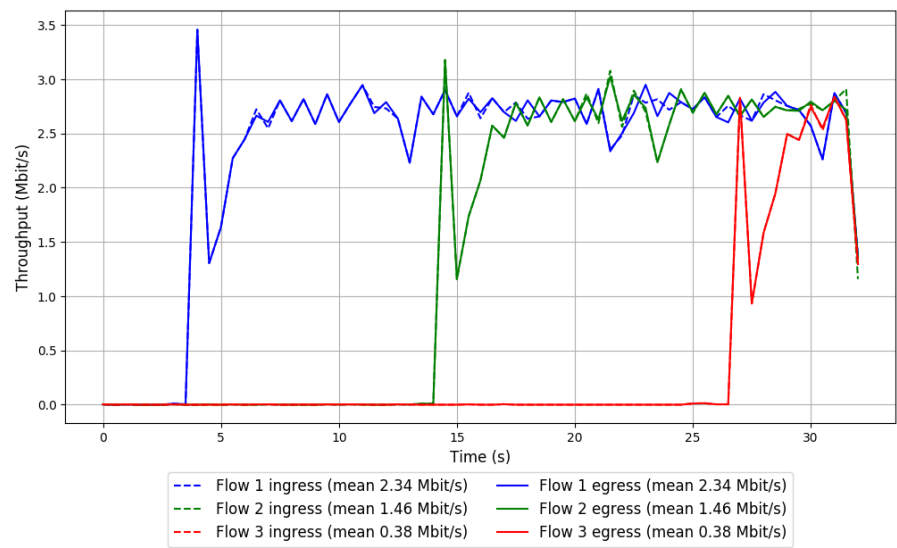


Run 2: Statistics of WebRTC media

Start at: 2017-10-12 07:24:18  
End at: 2017-10-12 07:24:48  
Local clock offset: -0.377 ms  
Remote clock offset: -0.241 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.17 Mbit/s  
95th percentile per-packet one-way delay: 5.264 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 4.497 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.46 Mbit/s  
95th percentile per-packet one-way delay: 6.049 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 5.803 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

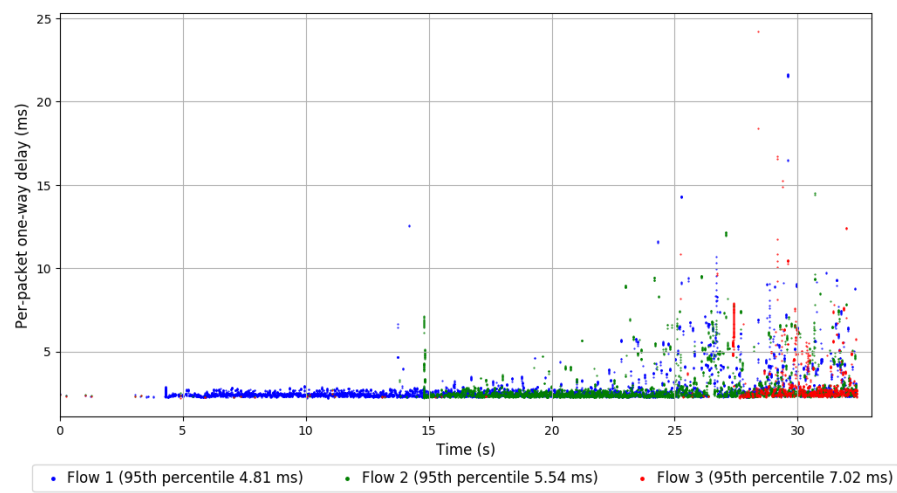
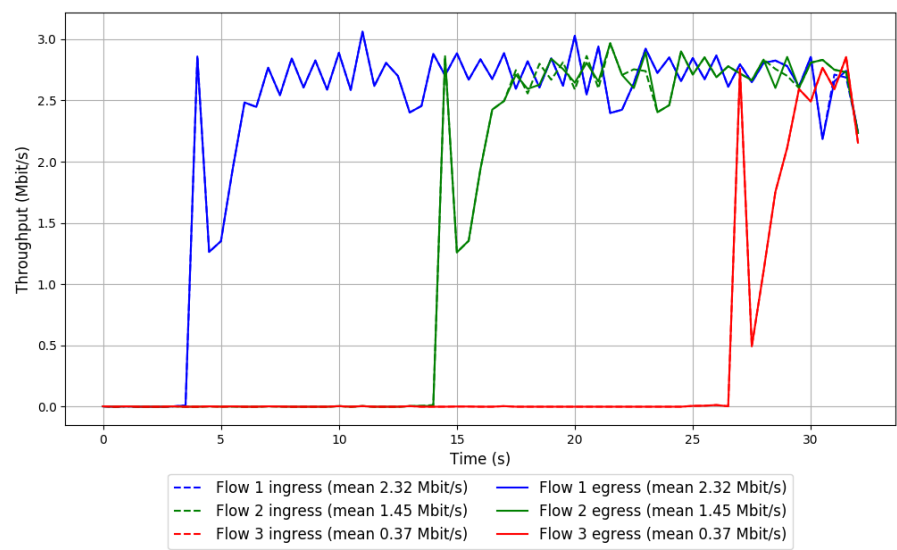


Run 3: Statistics of WebRTC media

Start at: 2017-10-12 07:44:43  
End at: 2017-10-12 07:45:13  
Local clock offset: -0.446 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.13 Mbit/s  
95th percentile per-packet one-way delay: 5.470 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 4.811 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.537 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 7.018 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

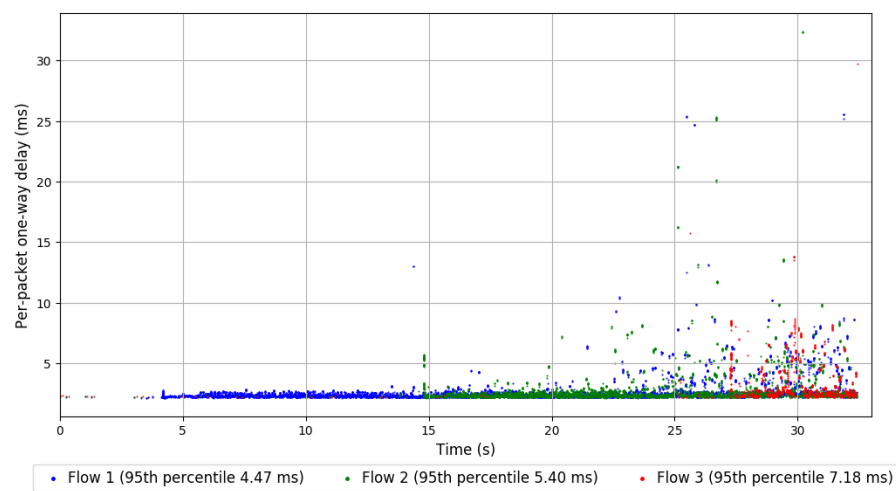


Run 4: Statistics of WebRTC media

Start at: 2017-10-12 08:04:55  
End at: 2017-10-12 08:05:25  
Local clock offset: -0.355 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.16 Mbit/s  
95th percentile per-packet one-way delay: 5.346 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 4.471 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.396 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 7.180 ms  
Loss rate: 0.78%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-10-12 08:25:15

End at: 2017-10-12 08:25:45

Local clock offset: -0.31 ms

Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 5.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 5.030 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 5.516 ms

Loss rate: 0.00%

-- Flow 3:

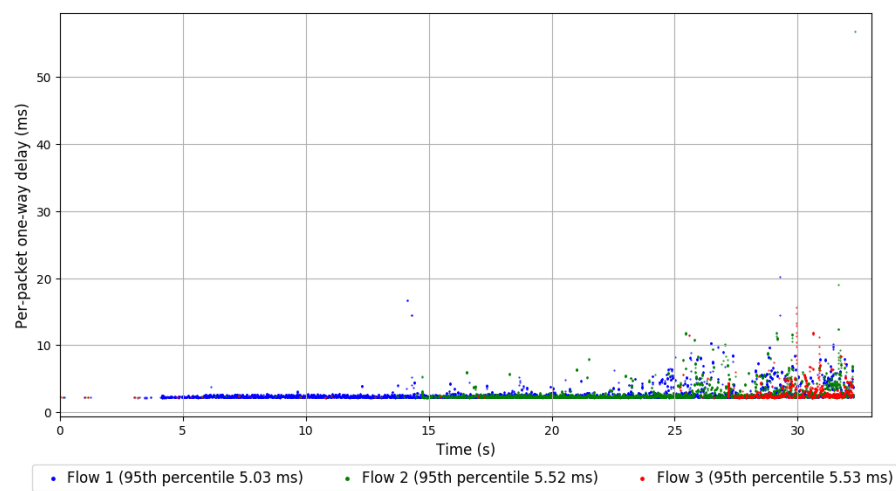
Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 5.525 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-10-12 08:45:27

End at: 2017-10-12 08:45:57

Local clock offset: -0.255 ms

Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 5.632 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 5.599 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 5.221 ms

Loss rate: 0.00%

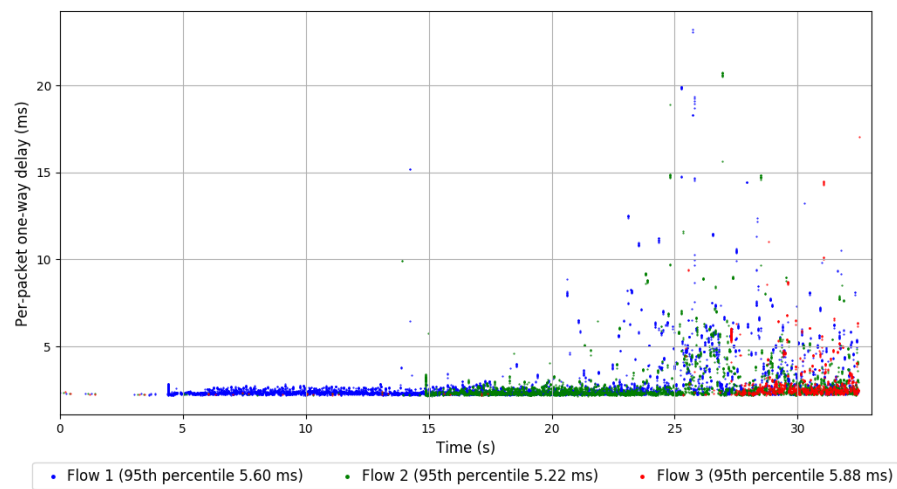
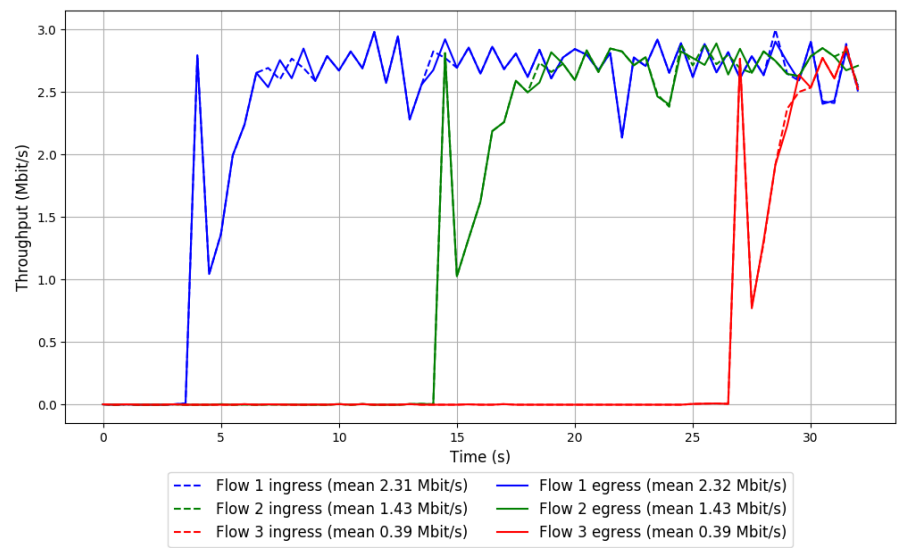
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 5.883 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-10-12 09:05:44

End at: 2017-10-12 09:06:14

Local clock offset: -0.174 ms

Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 4.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 4.445 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 5.215 ms

Loss rate: 0.00%

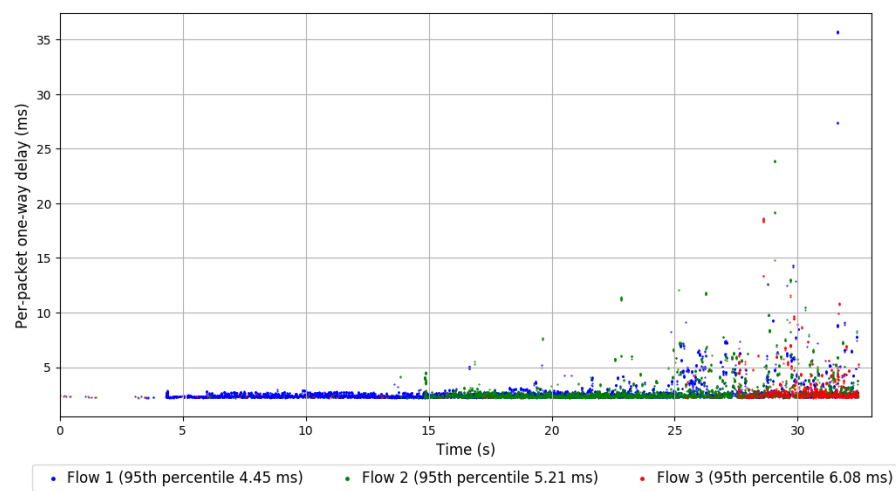
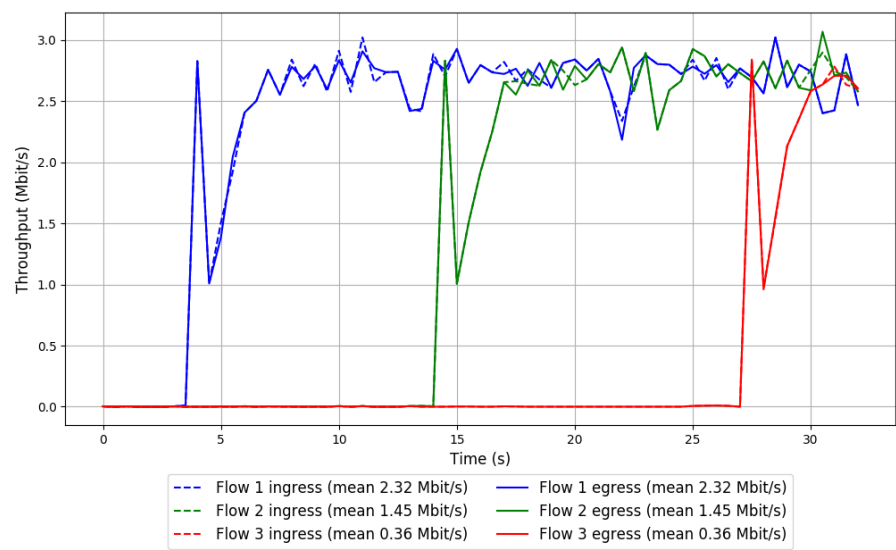
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 6.078 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-10-12 09:26:01

End at: 2017-10-12 09:26:31

Local clock offset: -0.123 ms

Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 5.138 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 4.932 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 4.955 ms

Loss rate: 0.10%

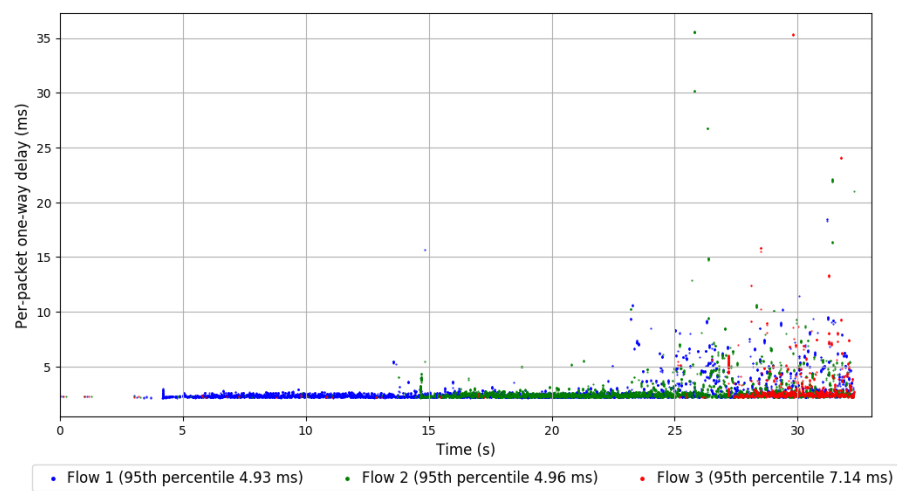
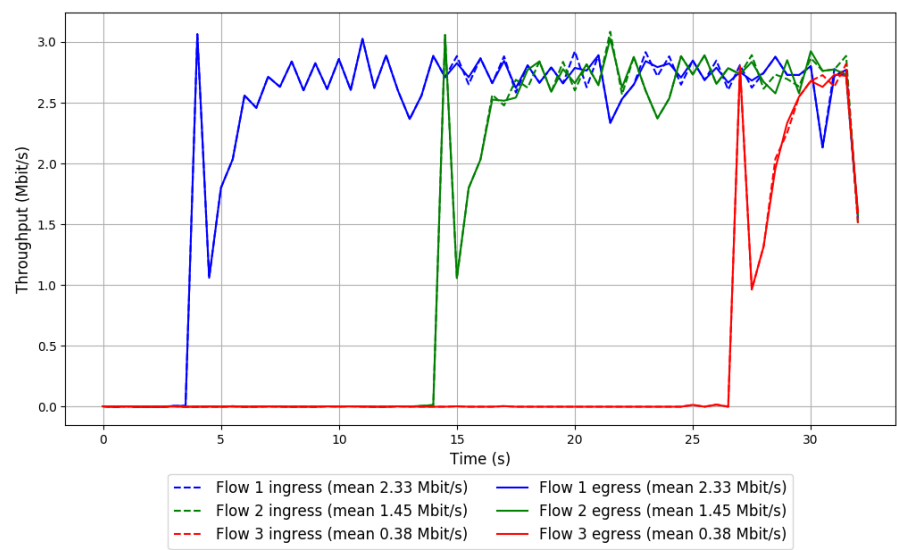
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 7.138 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-10-12 09:46:13

End at: 2017-10-12 09:46:43

Local clock offset: -0.078 ms

Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2017-10-12 13:31:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 5.308 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 4.662 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 5.404 ms

Loss rate: 0.00%

-- Flow 3:

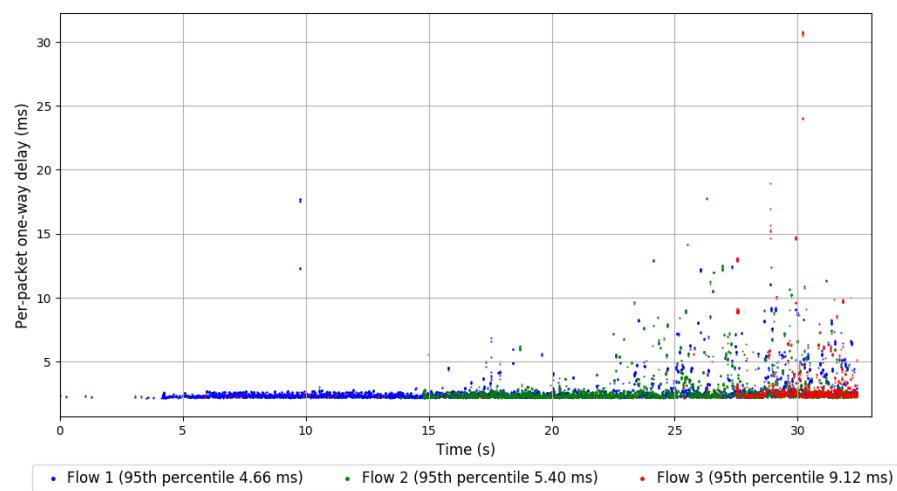
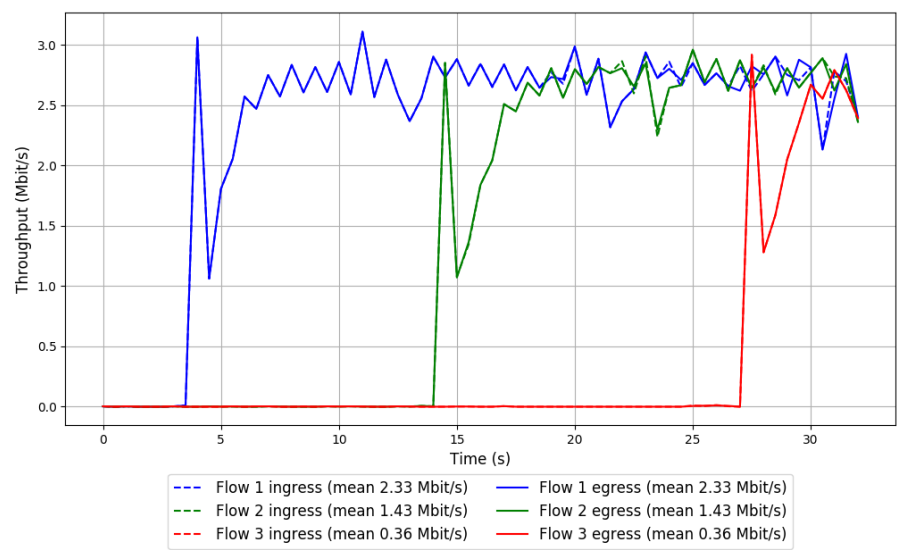
Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 9.123 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

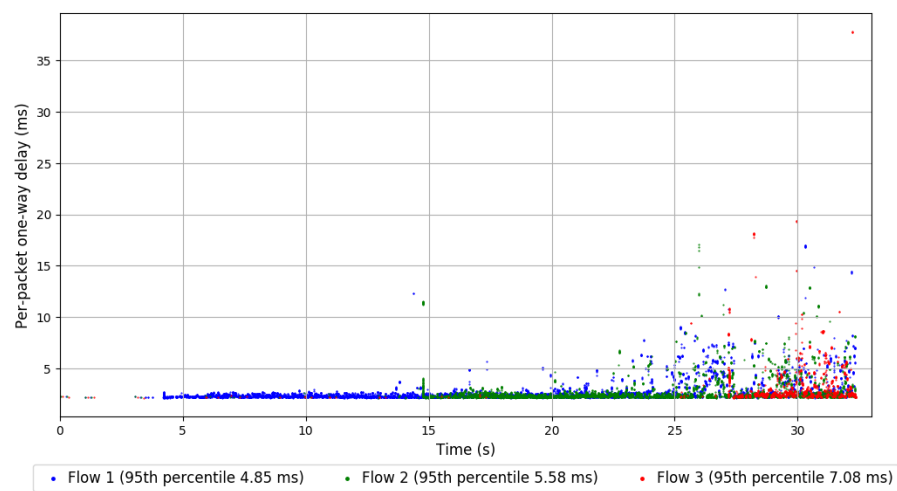


Run 10: Statistics of WebRTC media

Start at: 2017-10-12 10:06:16  
End at: 2017-10-12 10:06:46  
Local clock offset: -0.02 ms  
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2017-10-12 13:31:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.16 Mbit/s  
95th percentile per-packet one-way delay: 5.481 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 4.851 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.583 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 7.076 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

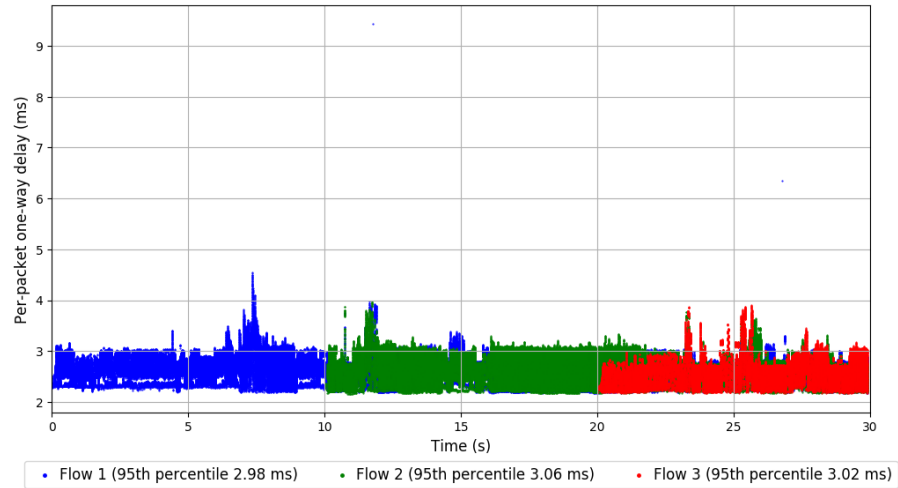
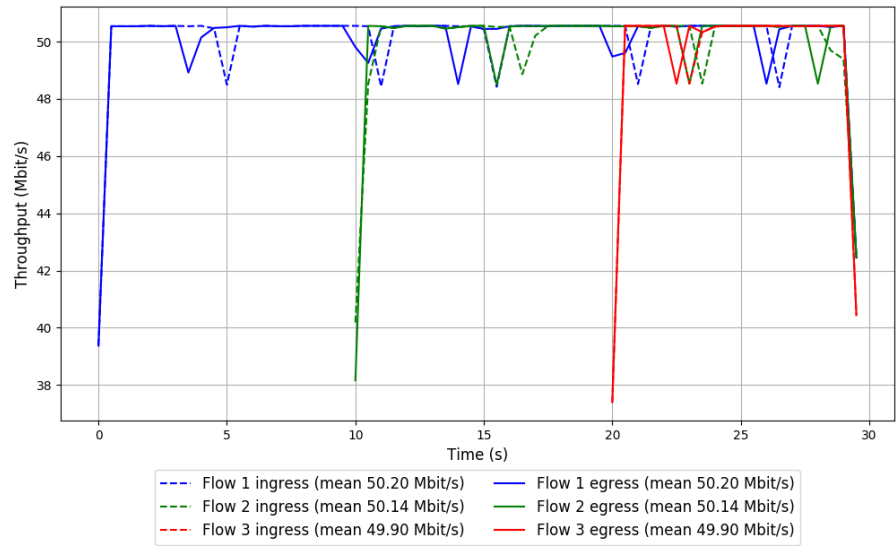


Run 1: Statistics of Sprout

Start at: 2017-10-12 06:50:35  
End at: 2017-10-12 06:51:05  
Local clock offset: -0.409 ms  
Remote clock offset: -0.215 ms

# Below is generated by plot.py at 2017-10-12 13:32:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.02 Mbit/s  
95th percentile per-packet one-way delay: 3.021 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 2.983 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.14 Mbit/s  
95th percentile per-packet one-way delay: 3.056 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.90 Mbit/s  
95th percentile per-packet one-way delay: 3.018 ms  
Loss rate: 0.00%

## Run 1: Report of Sprout — Data Link

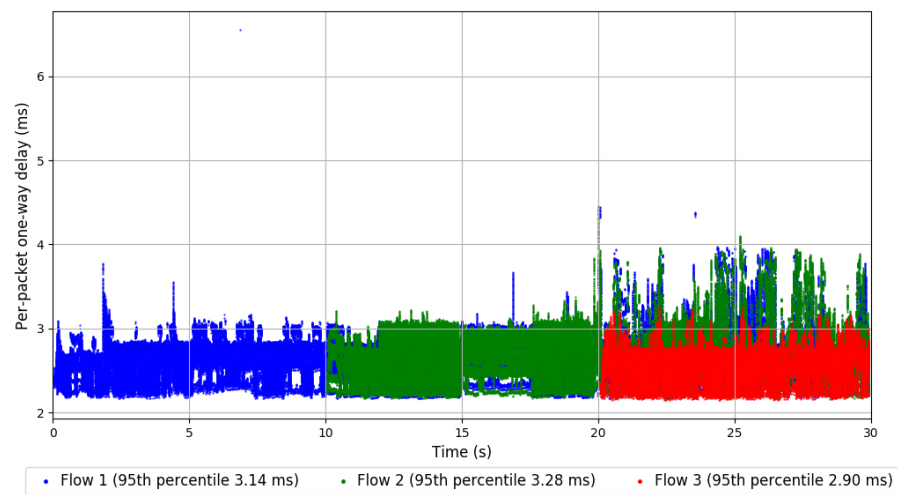
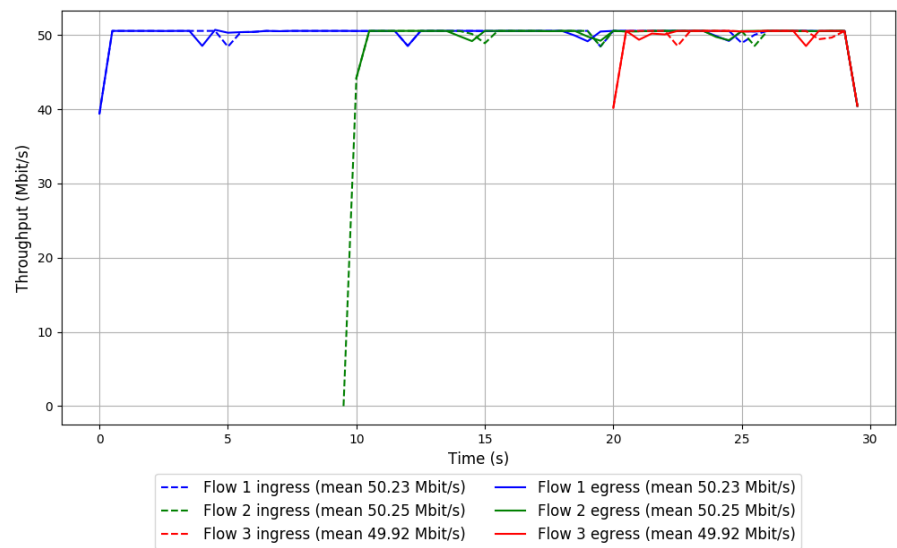


Run 2: Statistics of Sprout

Start at: 2017-10-12 07:10:22  
End at: 2017-10-12 07:10:52  
Local clock offset: -0.351 ms  
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2017-10-12 13:32:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.16 Mbit/s  
95th percentile per-packet one-way delay: 3.142 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.23 Mbit/s  
95th percentile per-packet one-way delay: 3.140 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.25 Mbit/s  
95th percentile per-packet one-way delay: 3.282 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.92 Mbit/s  
95th percentile per-packet one-way delay: 2.902 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



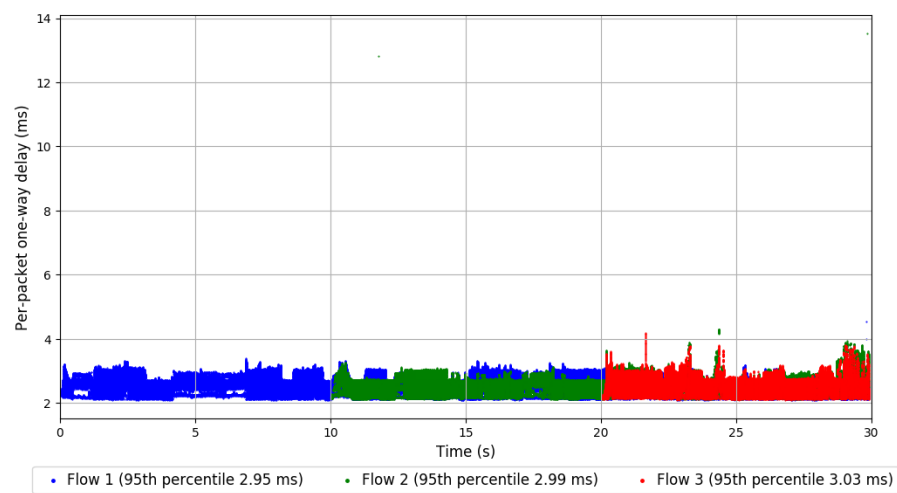
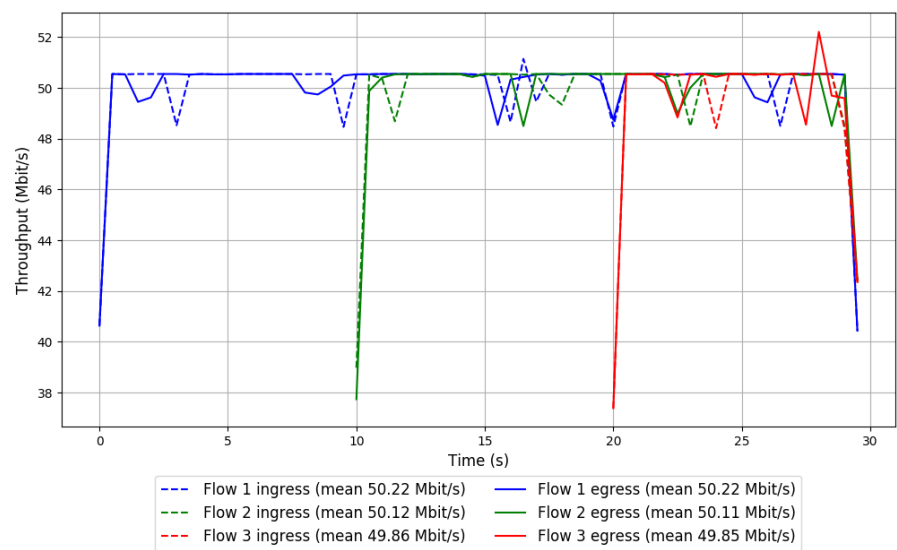
### Run 3: Statistics of Sprout

Start at: 2017-10-12 07:30:39  
End at: 2017-10-12 07:31:09  
Local clock offset: -0.361 ms  
Remote clock offset: -0.22 ms

```
# Below is generated by plot.py at 2017-10-12 13:32:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.01 Mbit/s
95th percentile per-packet one-way delay: 2.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 3.033 ms
Loss rate: 0.00%
```



Run 3: Report of Sprout — Data Link

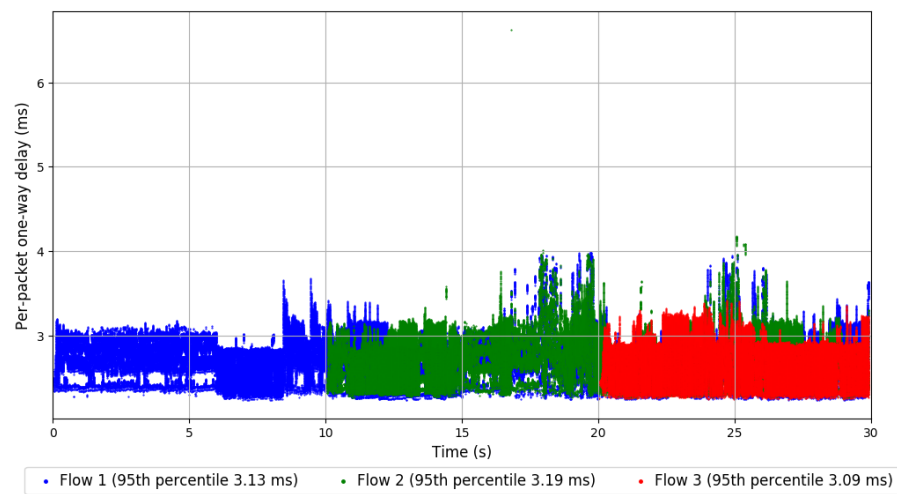
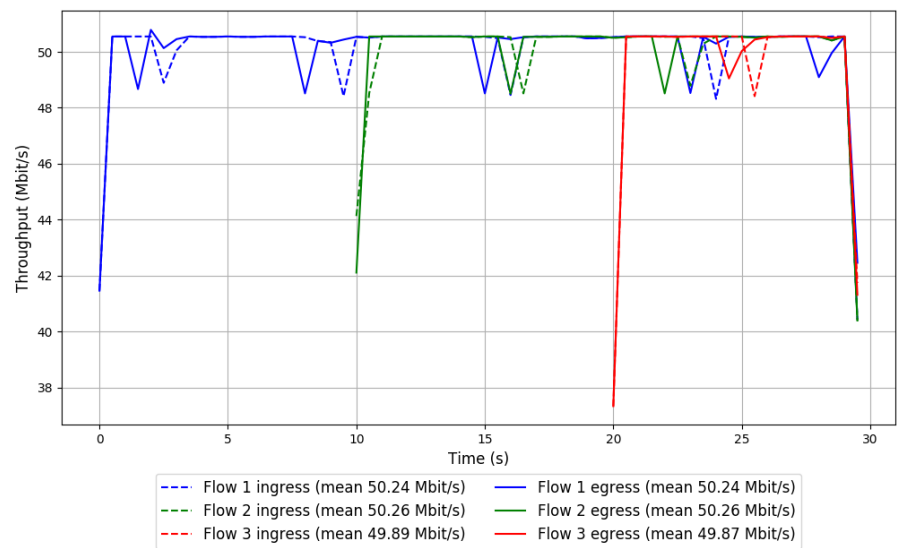


#### Run 4: Statistics of Sprout

Start at: 2017-10-12 07:51:04  
End at: 2017-10-12 07:51:34  
Local clock offset: -0.453 ms  
Remote clock offset: -0.038 ms

```
# Below is generated by plot.py at 2017-10-12 13:32:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.13 Mbit/s
95th percentile per-packet one-way delay: 3.143 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 3.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 3.092 ms
Loss rate: 0.04%
```

Run 4: Report of Sprout — Data Link

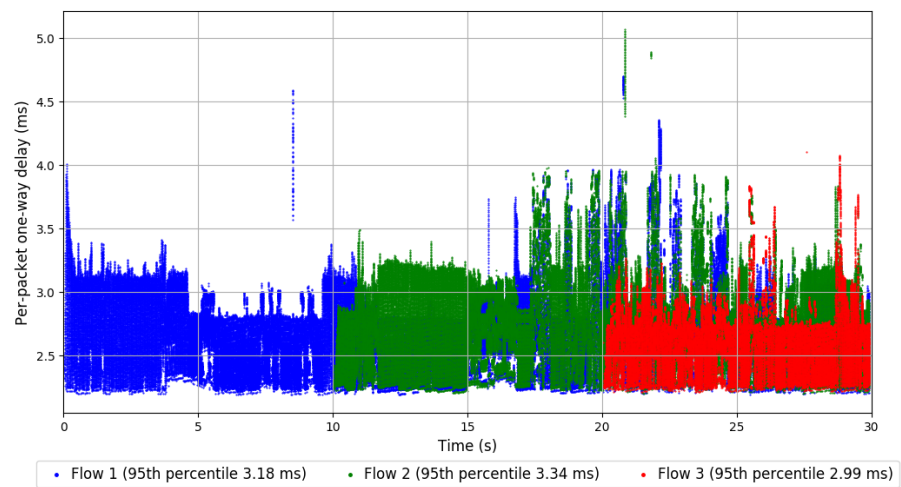
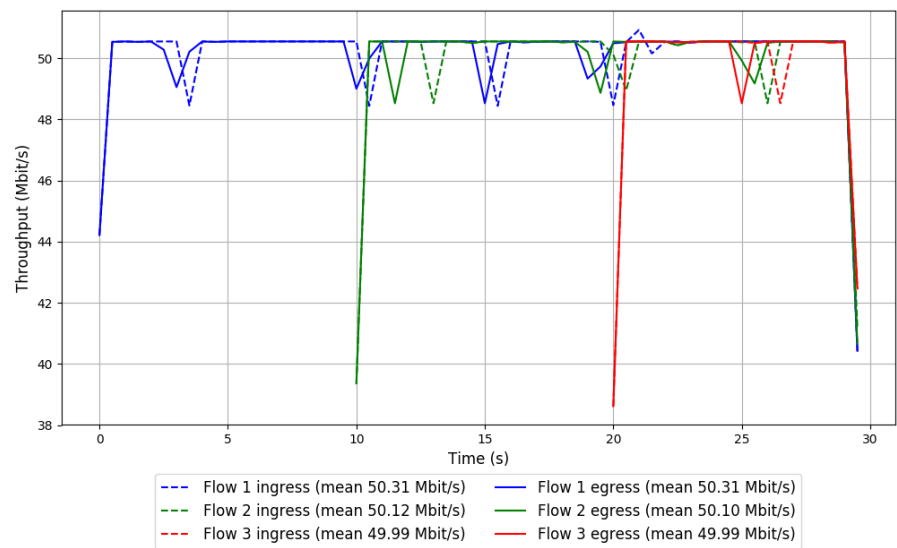


Run 5: Statistics of Sprout

Start at: 2017-10-12 08:11:12  
End at: 2017-10-12 08:11:42  
Local clock offset: -0.374 ms  
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2017-10-12 13:32:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.15 Mbit/s  
95th percentile per-packet one-way delay: 3.211 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 50.31 Mbit/s  
95th percentile per-packet one-way delay: 3.178 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.10 Mbit/s  
95th percentile per-packet one-way delay: 3.338 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 49.99 Mbit/s  
95th percentile per-packet one-way delay: 2.986 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

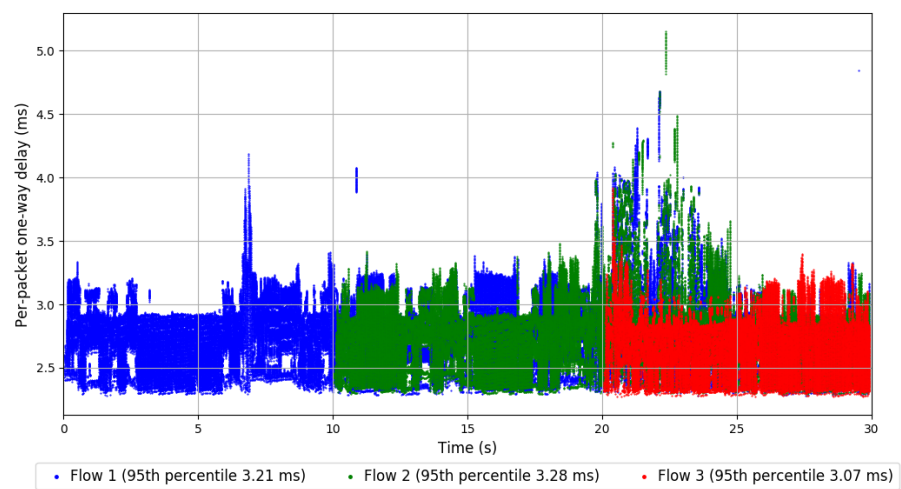
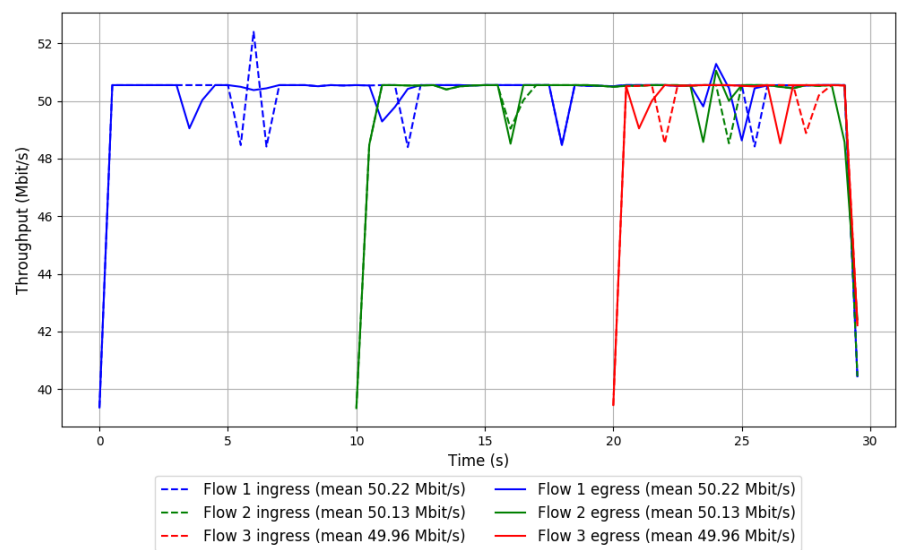


Run 6: Statistics of Sprout

Start at: 2017-10-12 08:31:38  
End at: 2017-10-12 08:32:08  
Local clock offset: -0.389 ms  
Remote clock offset: 0.023 ms

```
# Below is generated by plot.py at 2017-10-12 13:32:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.05 Mbit/s
95th percentile per-packet one-way delay: 3.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 3.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 3.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



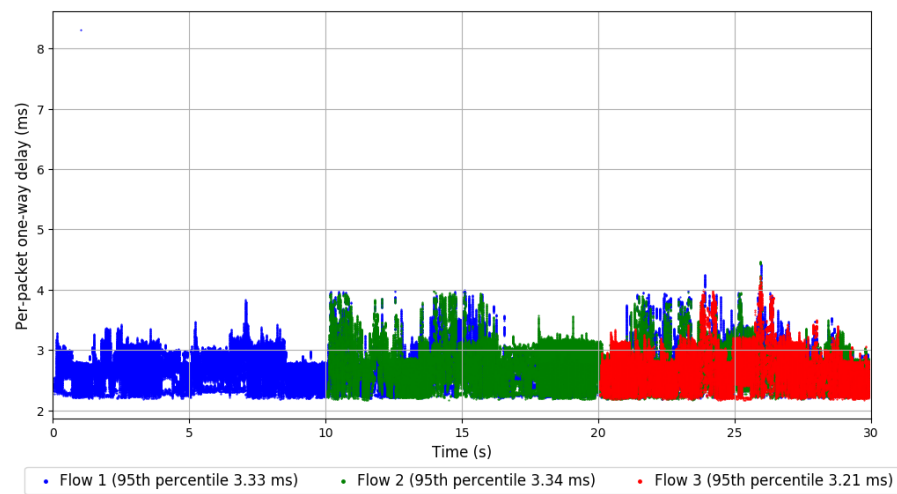
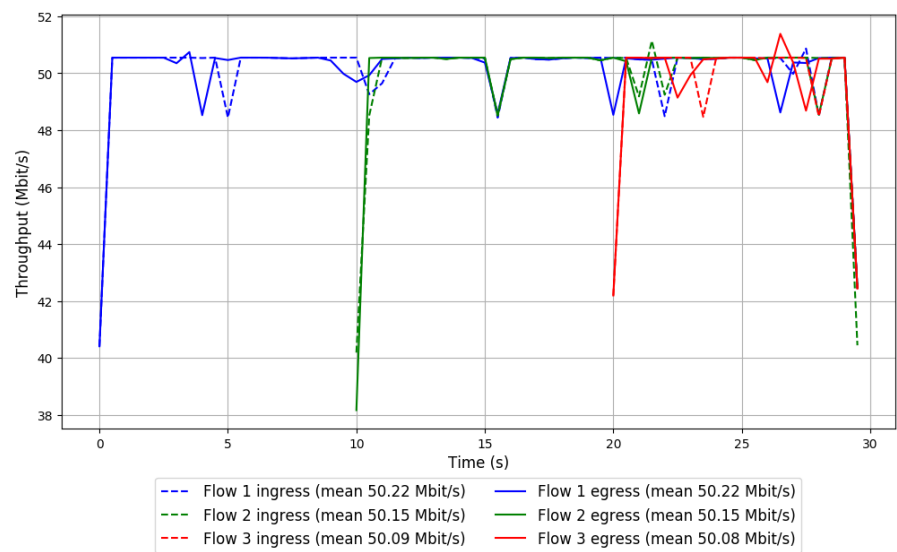
Run 7: Statistics of Sprout

Start at: 2017-10-12 08:51:48  
End at: 2017-10-12 08:52:18  
Local clock offset: -0.225 ms  
Remote clock offset: 0.039 ms

```
# Below is generated by plot.py at 2017-10-12 13:33:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.12 Mbit/s
95th percentile per-packet one-way delay: 3.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 3.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 3.206 ms
Loss rate: 0.00%
```



Run 7: Report of Sprout — Data Link

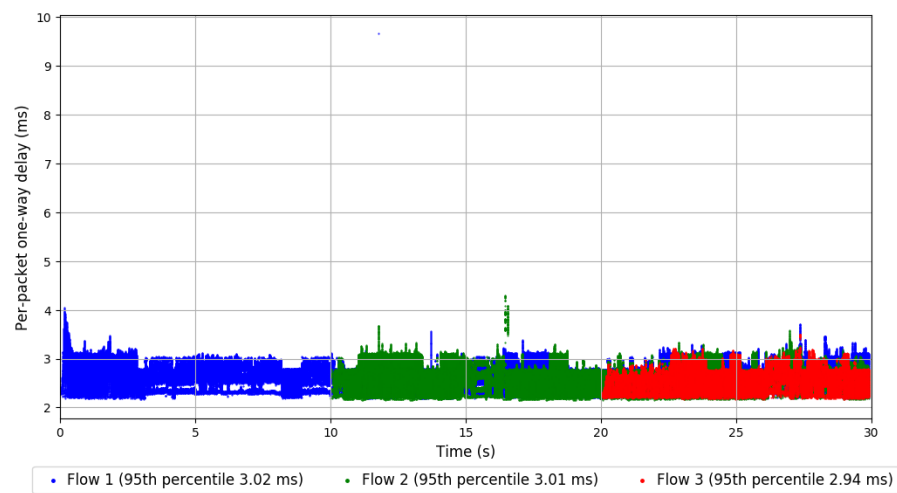
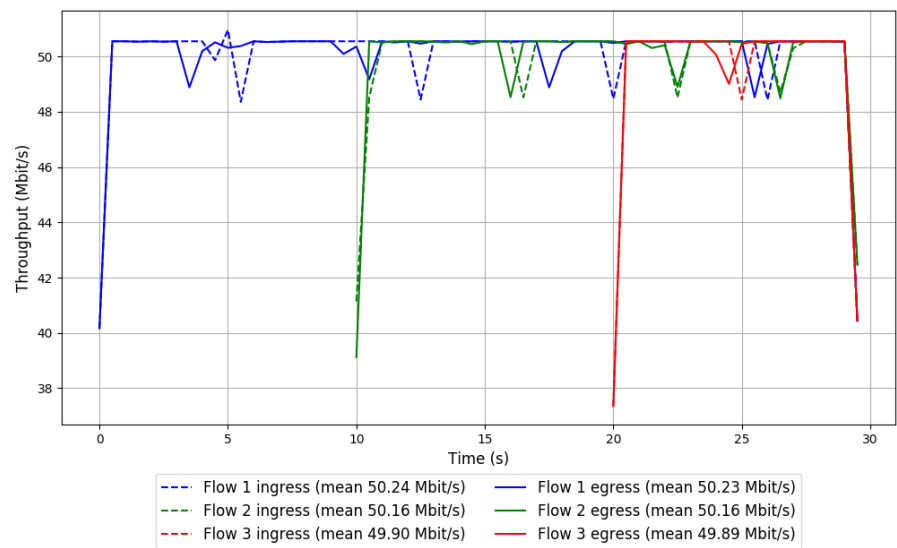


Run 8: Statistics of Sprout

Start at: 2017-10-12 09:12:08  
End at: 2017-10-12 09:12:38  
Local clock offset: -0.158 ms  
Remote clock offset: 0.048 ms

```
# Below is generated by plot.py at 2017-10-12 13:33:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.06 Mbit/s
95th percentile per-packet one-way delay: 3.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 3.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 3.012 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

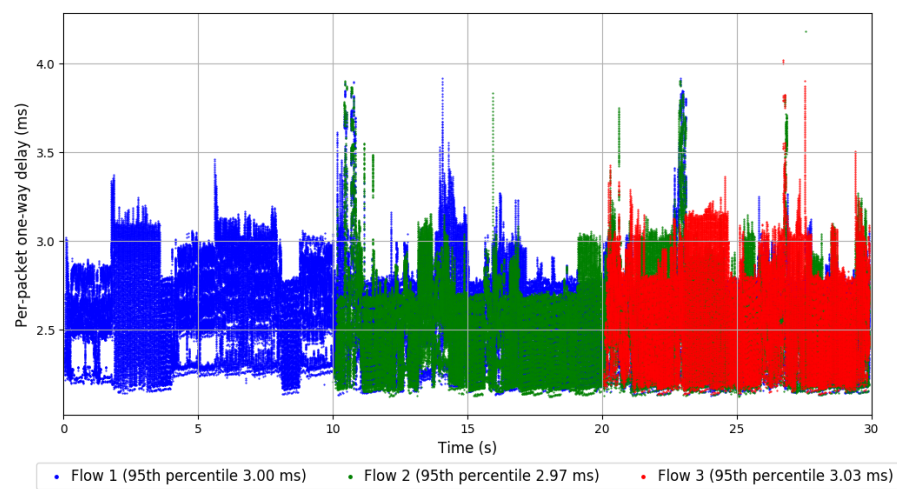
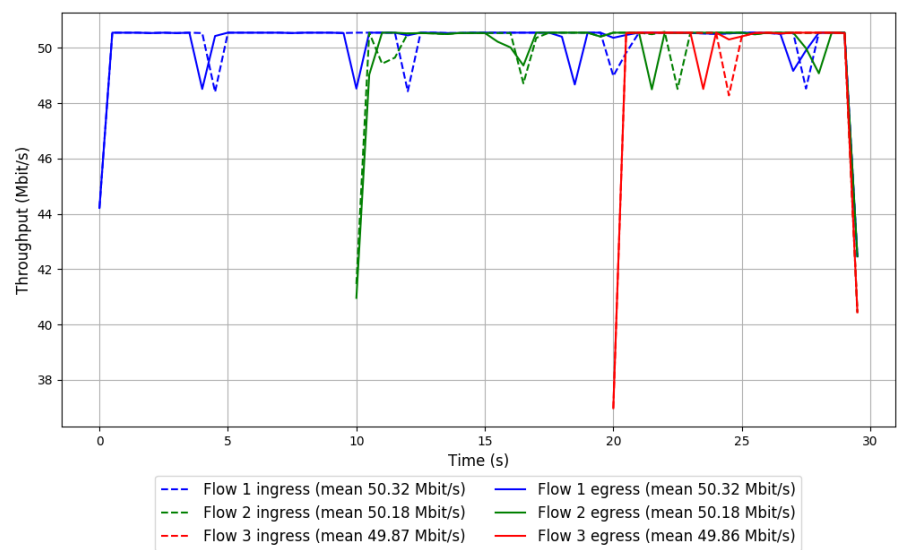


Run 9: Statistics of Sprout

Start at: 2017-10-12 09:32:21  
End at: 2017-10-12 09:32:51  
Local clock offset: -0.11 ms  
Remote clock offset: -0.003 ms

```
# Below is generated by plot.py at 2017-10-12 13:33:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.17 Mbit/s
95th percentile per-packet one-way delay: 2.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 3.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 2.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 3.032 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

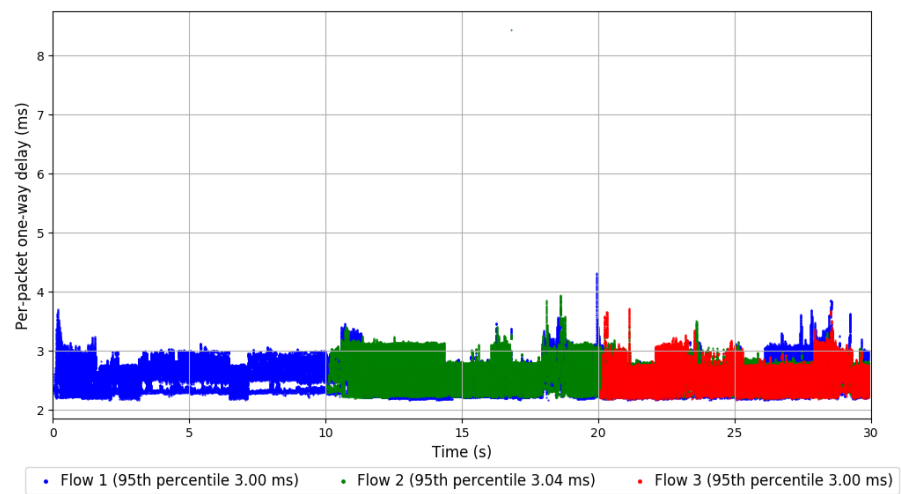
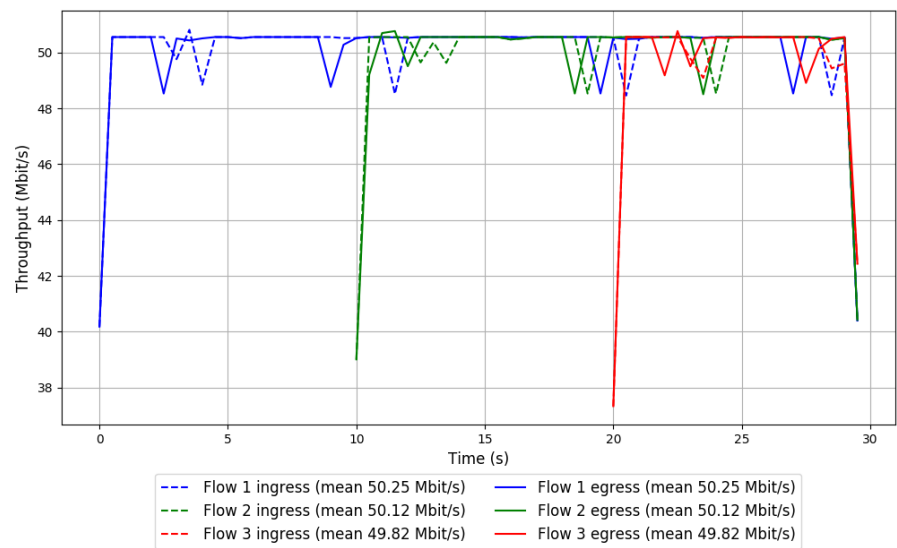


Run 10: Statistics of Sprout

Start at: 2017-10-12 09:52:31  
End at: 2017-10-12 09:53:01  
Local clock offset: -0.064 ms  
Remote clock offset: 0.032 ms

```
# Below is generated by plot.py at 2017-10-12 13:33:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 3.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 3.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 3.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 2.997 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



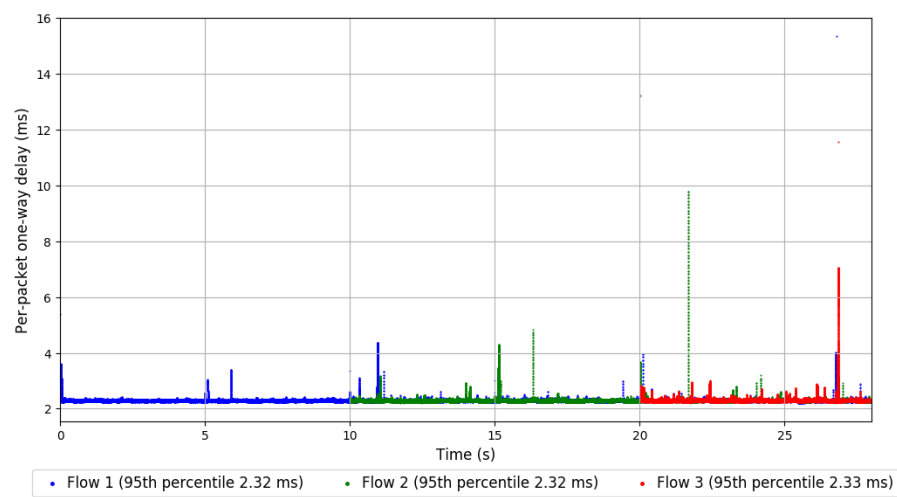
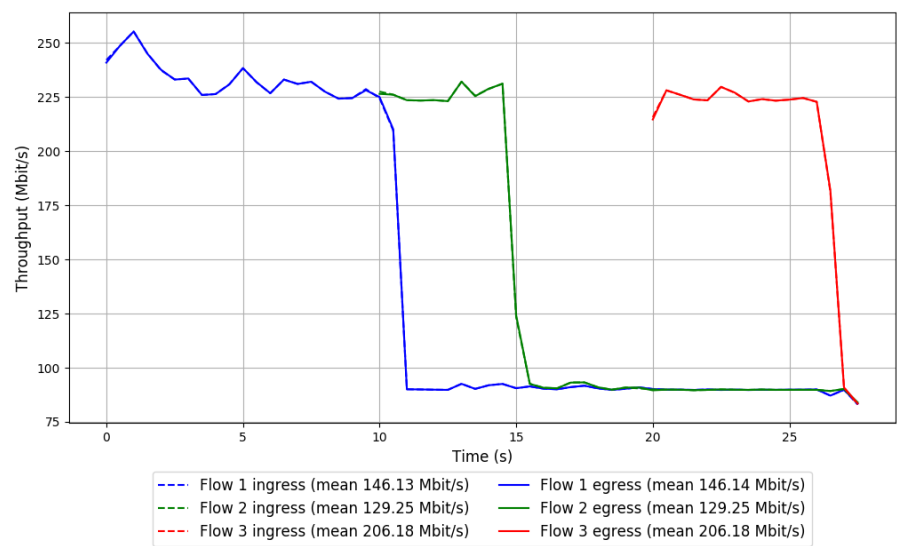
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-10-12 06:57:35
End at: 2017-10-12 06:58:05
Local clock offset: -0.447 ms
Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2017-10-12 13:39:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.63 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.14 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.25 Mbit/s
95th percentile per-packet one-way delay: 2.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 206.18 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%
```



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

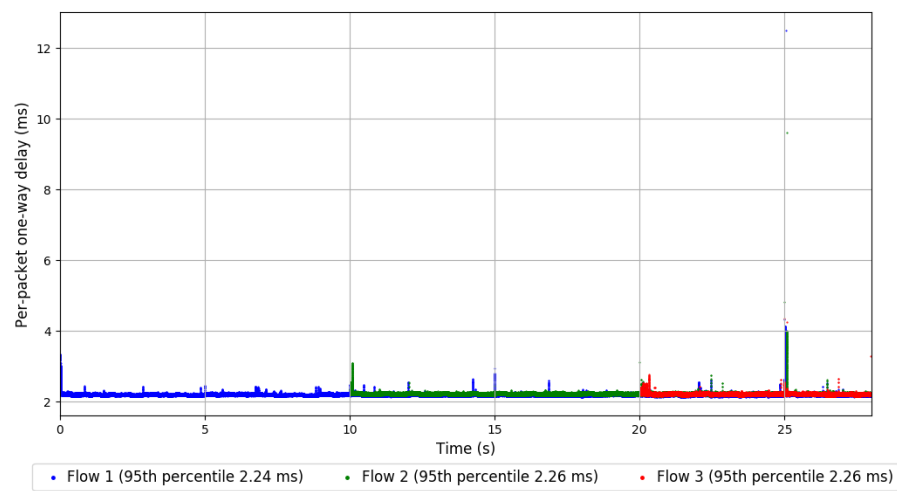
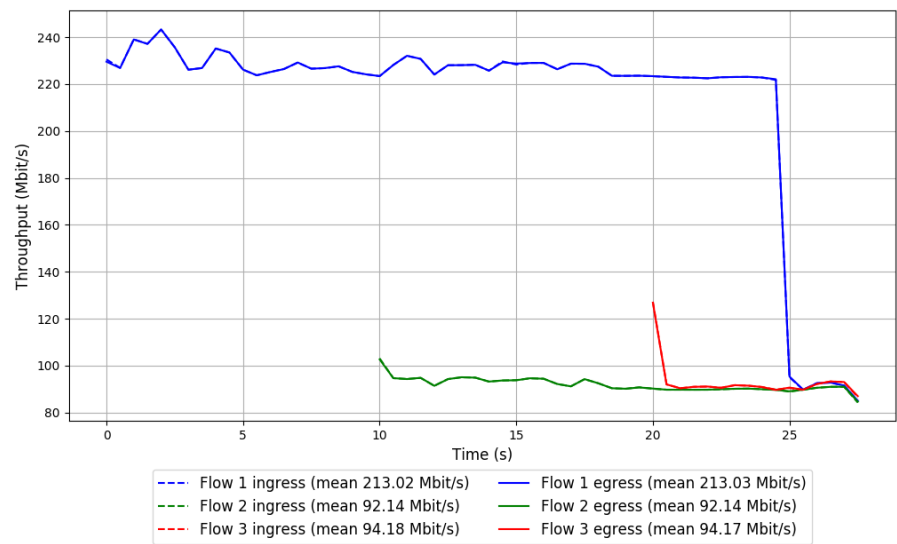


Run 2: Statistics of TaoVA-100x

Start at: 2017-10-12 07:17:42  
End at: 2017-10-12 07:18:12  
Local clock offset: -0.374 ms  
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2017-10-12 13:40:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 298.84 Mbit/s  
95th percentile per-packet one-way delay: 2.247 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 213.03 Mbit/s  
95th percentile per-packet one-way delay: 2.237 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 92.14 Mbit/s  
95th percentile per-packet one-way delay: 2.259 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 94.17 Mbit/s  
95th percentile per-packet one-way delay: 2.257 ms  
Loss rate: 0.00%

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

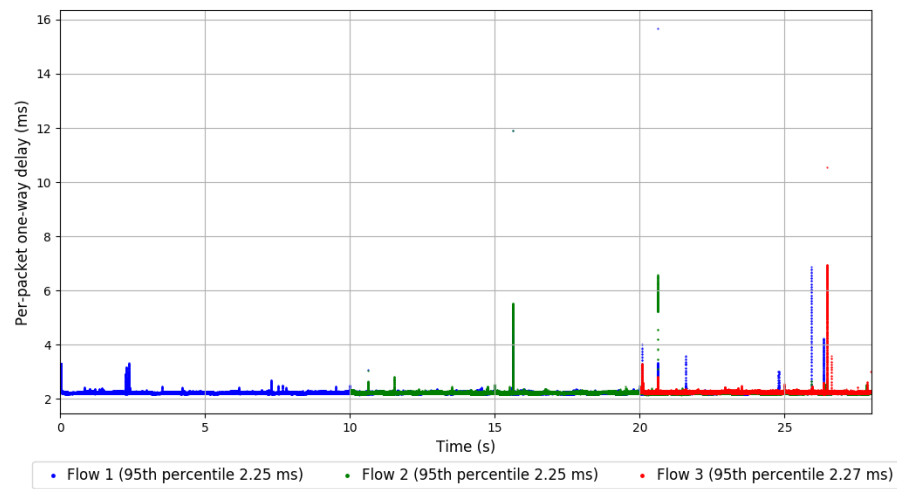
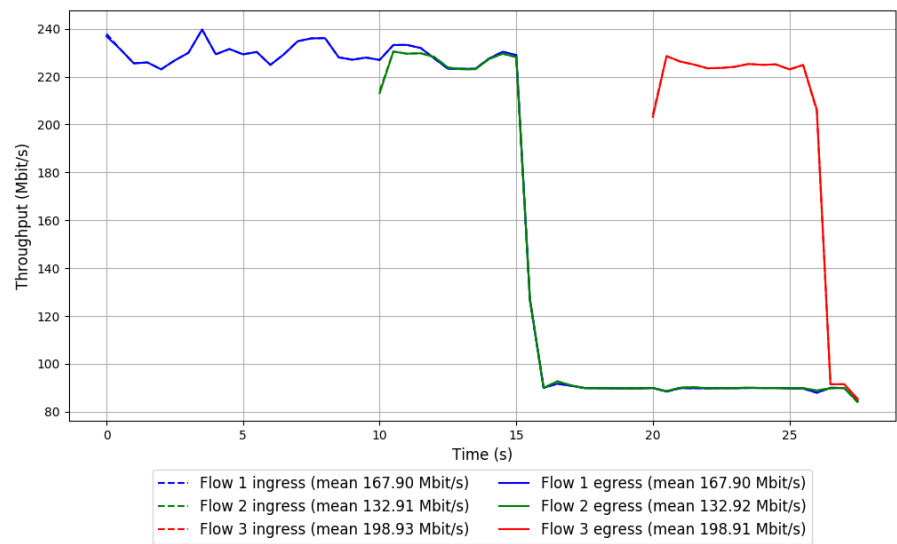


Run 3: Statistics of TaoVA-100x

Start at: 2017-10-12 07:38:06  
End at: 2017-10-12 07:38:36  
Local clock offset: -0.379 ms  
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2017-10-12 13:40:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 309.46 Mbit/s  
95th percentile per-packet one-way delay: 2.259 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 167.90 Mbit/s  
95th percentile per-packet one-way delay: 2.252 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 132.92 Mbit/s  
95th percentile per-packet one-way delay: 2.251 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 198.91 Mbit/s  
95th percentile per-packet one-way delay: 2.274 ms  
Loss rate: 0.00%

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

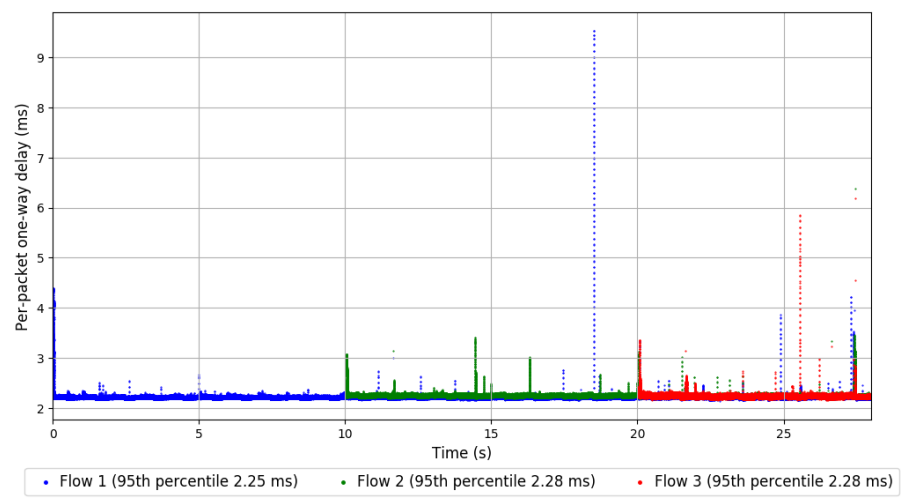
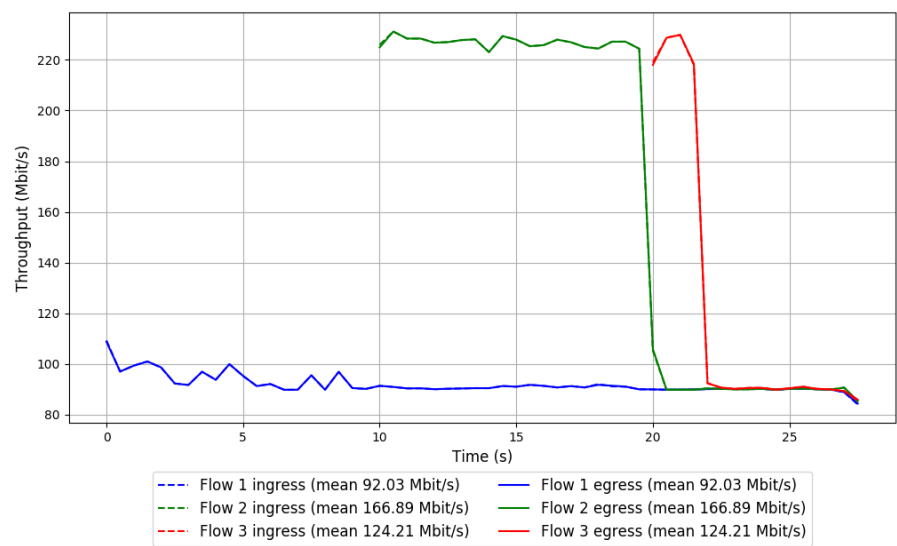


Run 4: Statistics of TaoVA-100x

Start at: 2017-10-12 07:58:25  
End at: 2017-10-12 07:58:55  
Local clock offset: -0.369 ms  
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2017-10-12 13:40:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 234.43 Mbit/s  
95th percentile per-packet one-way delay: 2.276 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.03 Mbit/s  
95th percentile per-packet one-way delay: 2.255 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 166.89 Mbit/s  
95th percentile per-packet one-way delay: 2.281 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 124.21 Mbit/s  
95th percentile per-packet one-way delay: 2.282 ms  
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-10-12 08:18:36

End at: 2017-10-12 08:19:06

Local clock offset: -0.31 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2017-10-12 13:41:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 339.31 Mbit/s

95th percentile per-packet one-way delay: 2.224 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 220.73 Mbit/s

95th percentile per-packet one-way delay: 2.210 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 2.232 ms

Loss rate: 0.00%

-- Flow 3:

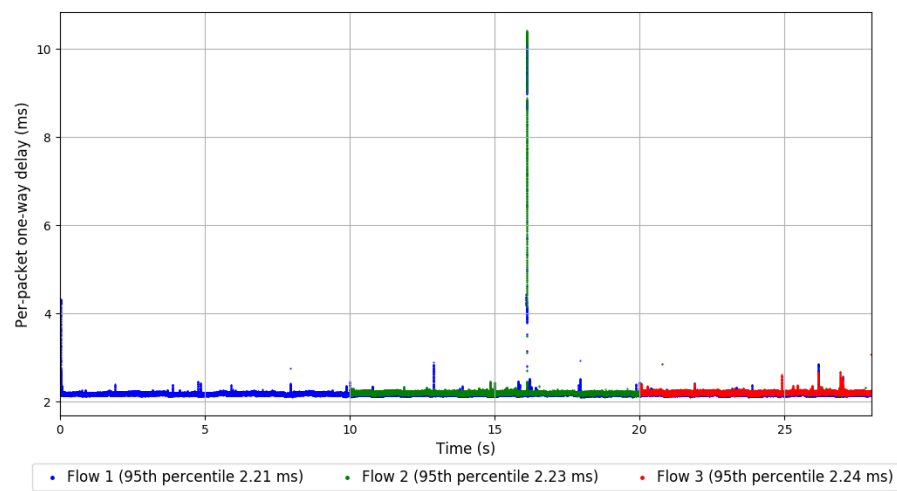
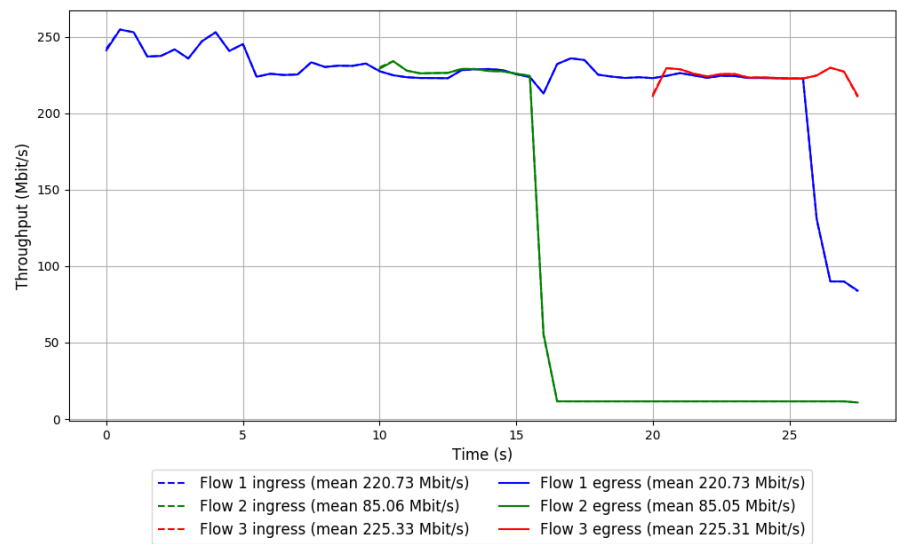
Average throughput: 225.31 Mbit/s

95th percentile per-packet one-way delay: 2.236 ms

Loss rate: 0.00%



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

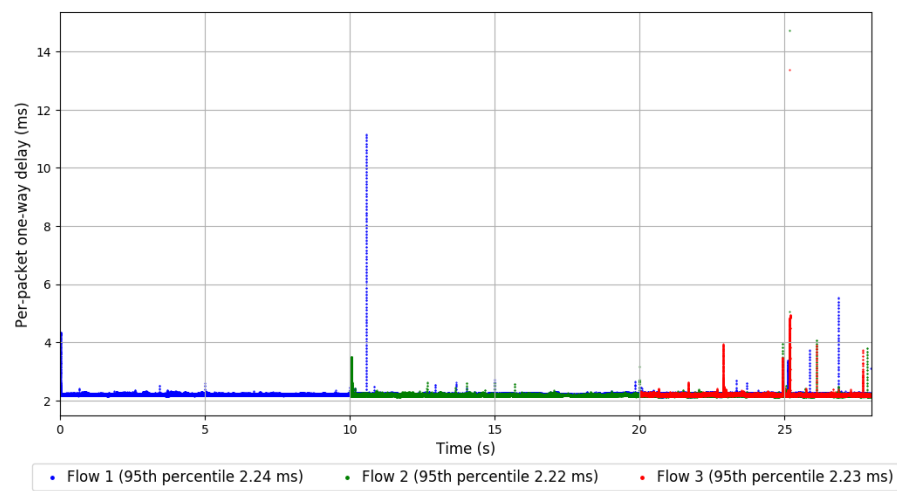
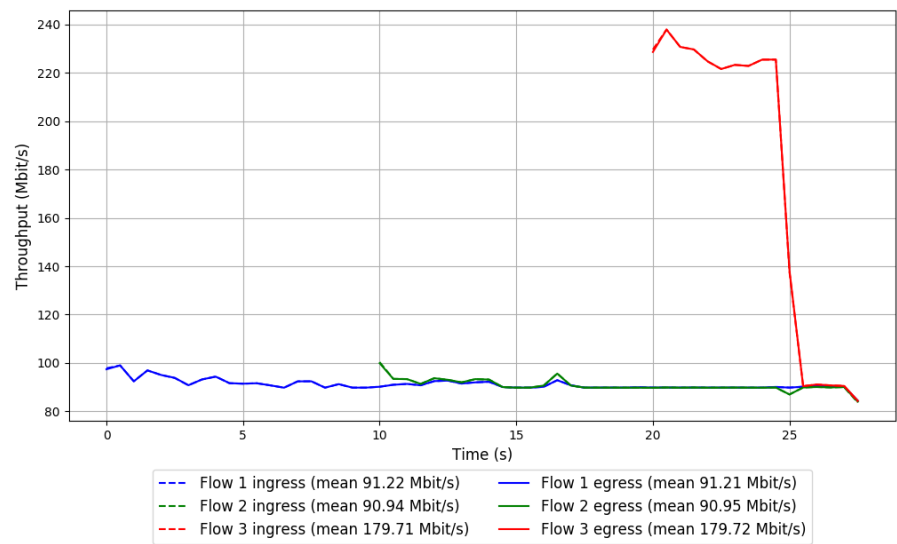


Run 6: Statistics of TaoVA-100x

Start at: 2017-10-12 08:39:00  
End at: 2017-10-12 08:39:30  
Local clock offset: -0.269 ms  
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2017-10-12 13:41:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 200.66 Mbit/s  
95th percentile per-packet one-way delay: 2.237 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 91.21 Mbit/s  
95th percentile per-packet one-way delay: 2.243 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 90.95 Mbit/s  
95th percentile per-packet one-way delay: 2.219 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 179.72 Mbit/s  
95th percentile per-packet one-way delay: 2.232 ms  
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-10-12 08:59:12

End at: 2017-10-12 08:59:42

Local clock offset: -0.193 ms

Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2017-10-12 13:41:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 254.20 Mbit/s

95th percentile per-packet one-way delay: 2.253 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 152.96 Mbit/s

95th percentile per-packet one-way delay: 2.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 116.83 Mbit/s

95th percentile per-packet one-way delay: 2.242 ms

Loss rate: 0.00%

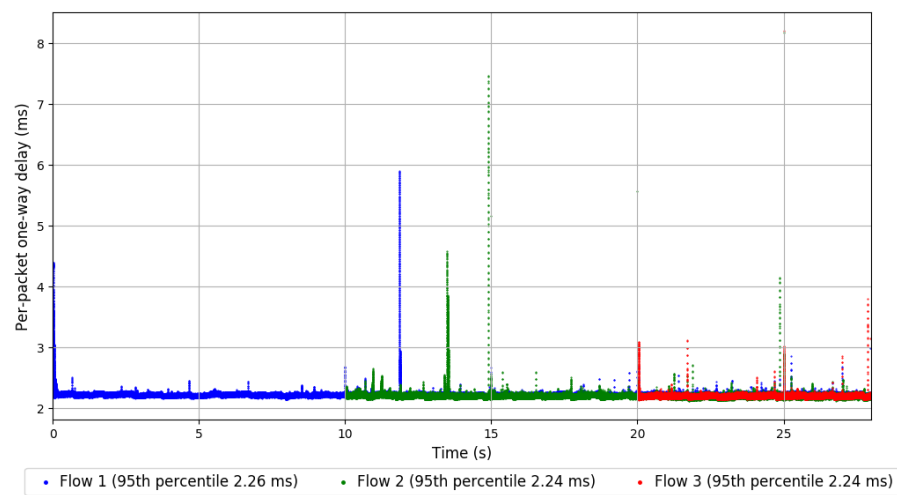
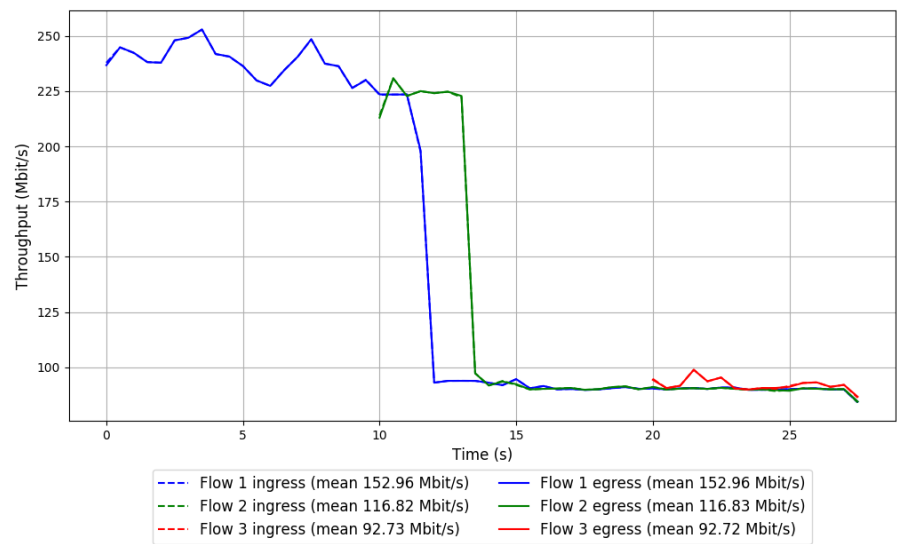
-- Flow 3:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 2.240 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-10-12 09:19:28

End at: 2017-10-12 09:19:58

Local clock offset: -0.13 ms

Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2017-10-12 13:41:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 249.38 Mbit/s

95th percentile per-packet one-way delay: 2.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 2.251 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 205.05 Mbit/s

95th percentile per-packet one-way delay: 2.250 ms

Loss rate: 0.00%

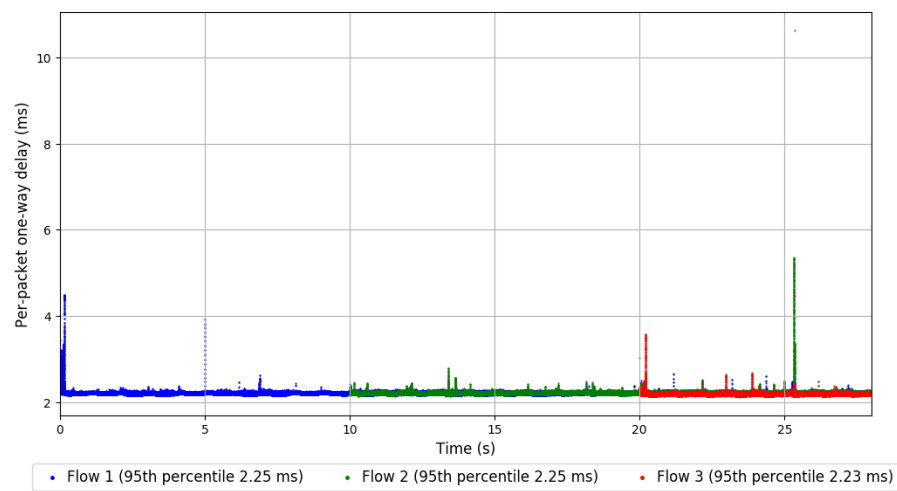
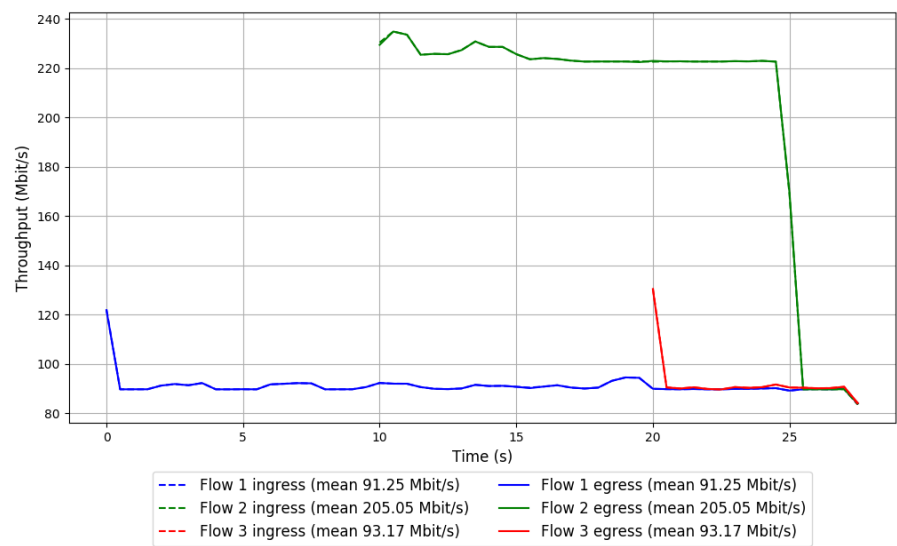
-- Flow 3:

Average throughput: 93.17 Mbit/s

95th percentile per-packet one-way delay: 2.231 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-10-12 09:39:46

End at: 2017-10-12 09:40:16

Local clock offset: -0.156 ms

Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2017-10-12 13:43:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 2.311 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 2.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 131.17 Mbit/s

95th percentile per-packet one-way delay: 2.305 ms

Loss rate: 0.00%

-- Flow 3:

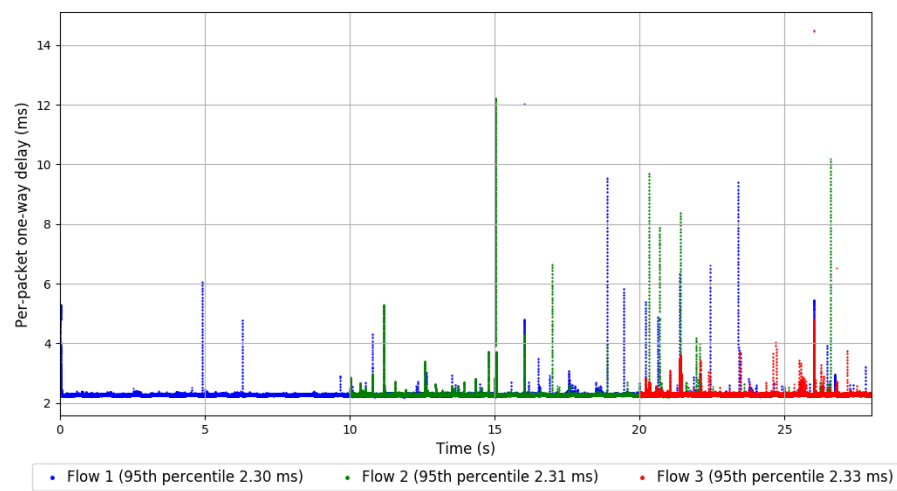
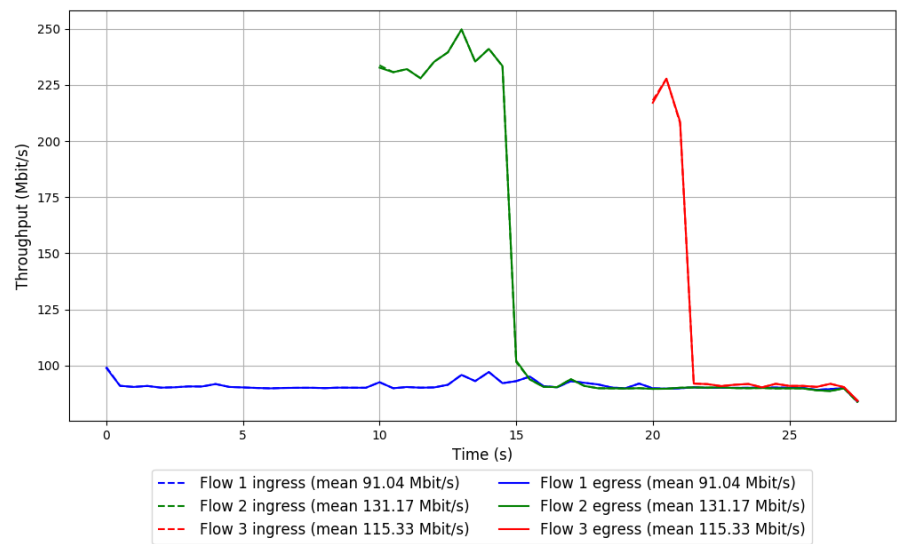
Average throughput: 115.33 Mbit/s

95th percentile per-packet one-way delay: 2.327 ms

Loss rate: 0.00%



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



Run 10: Statistics of TaoVA-100x

Start at: 2017-10-12 09:59:49

End at: 2017-10-12 10:00:19

Local clock offset: -0.05 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2017-10-12 13:43:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 201.57 Mbit/s

95th percentile per-packet one-way delay: 2.262 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 2.270 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 2.252 ms

Loss rate: 0.00%

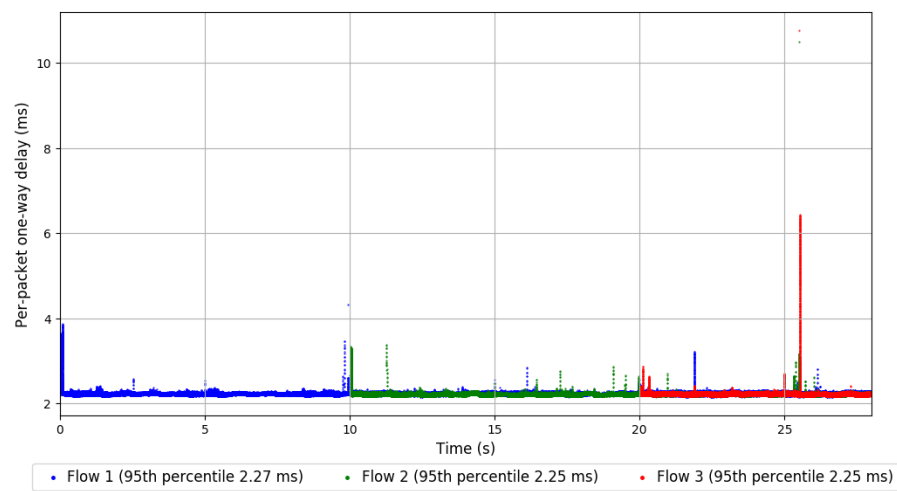
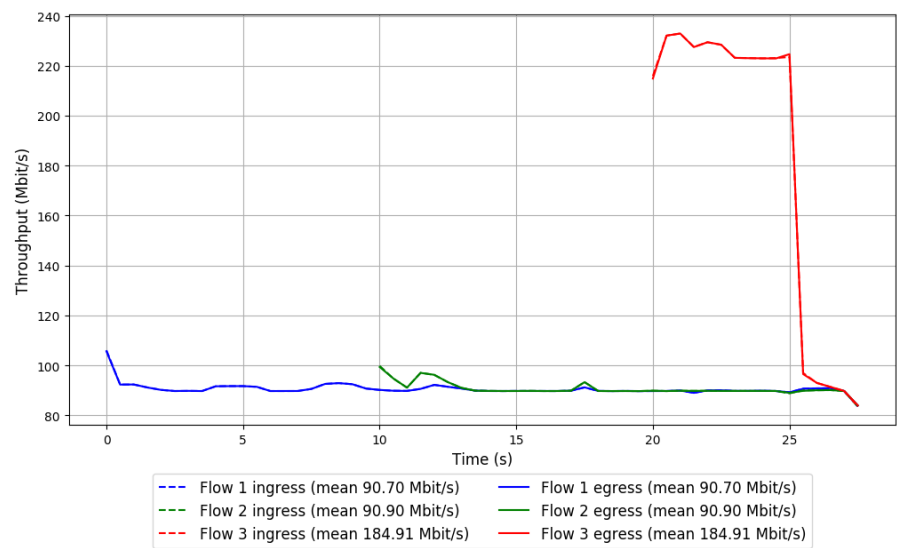
-- Flow 3:

Average throughput: 184.91 Mbit/s

95th percentile per-packet one-way delay: 2.254 ms

Loss rate: 0.00%

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

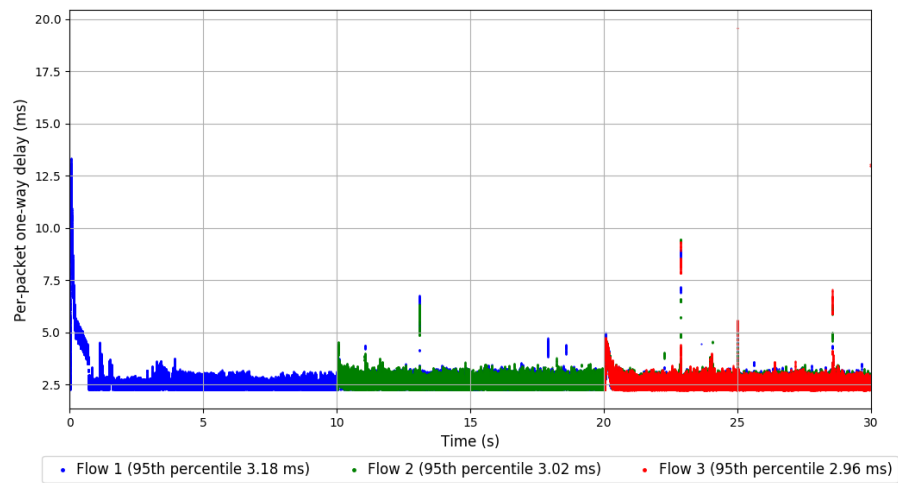
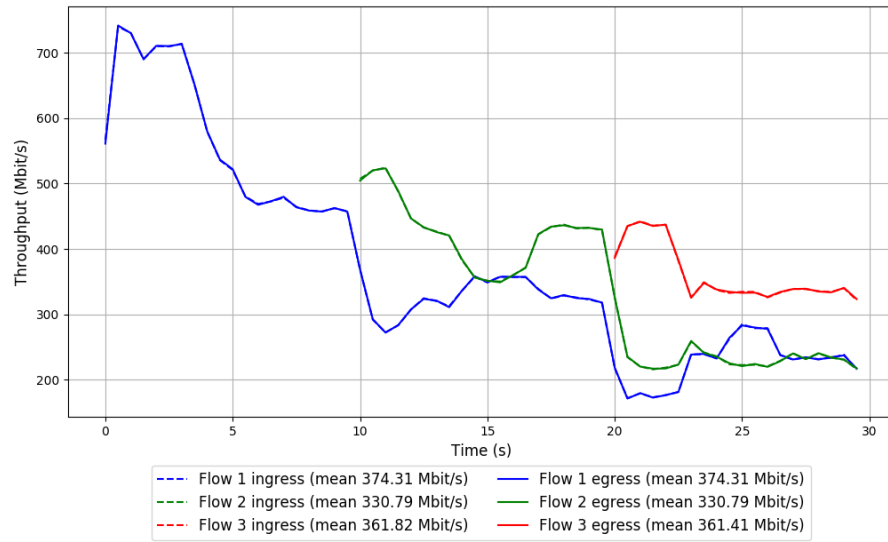


Run 1: Statistics of TCP Vegas

Start at: 2017-10-12 07:00:40  
End at: 2017-10-12 07:01:10  
Local clock offset: -0.424 ms  
Remote clock offset: -0.234 ms

# Below is generated by plot.py at 2017-10-12 13:49:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 714.52 Mbit/s  
95th percentile per-packet one-way delay: 3.059 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 374.31 Mbit/s  
95th percentile per-packet one-way delay: 3.179 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 330.79 Mbit/s  
95th percentile per-packet one-way delay: 3.015 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 361.41 Mbit/s  
95th percentile per-packet one-way delay: 2.963 ms  
Loss rate: 0.01%

# Run 1: Report of TCP Vegas — Data Link

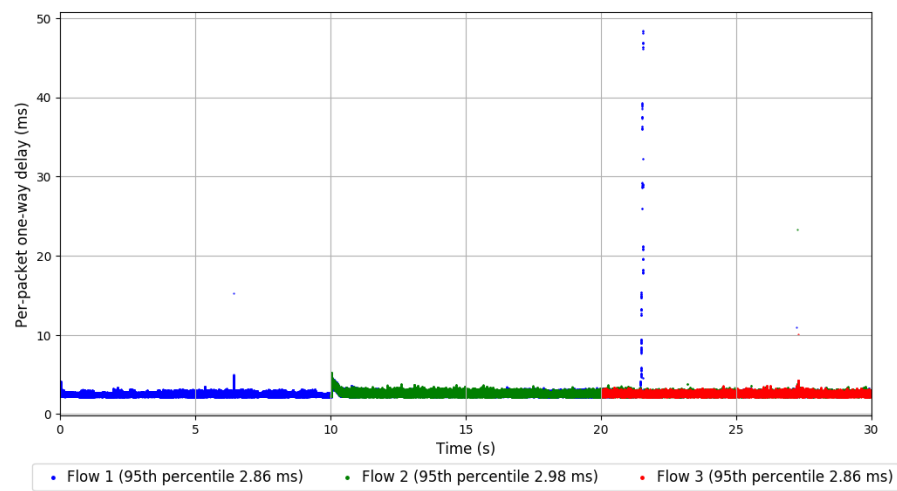
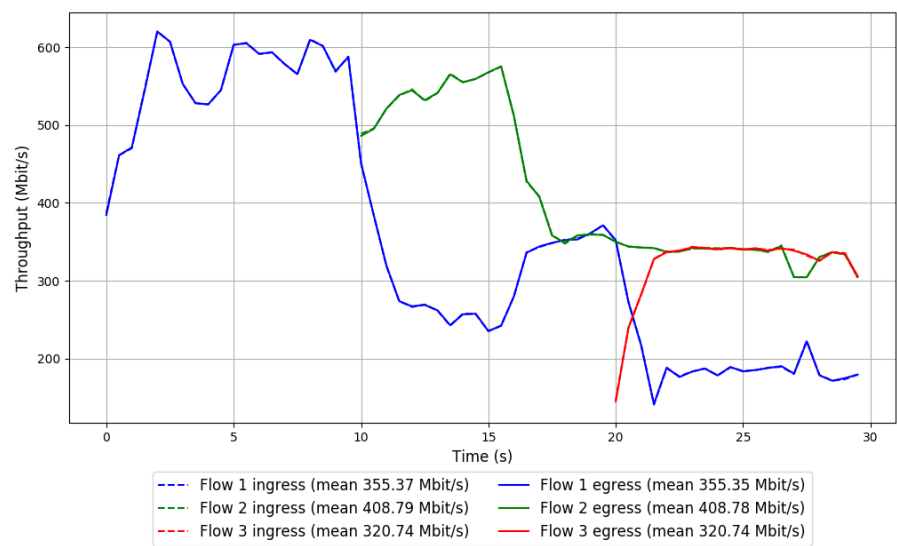


Run 2: Statistics of TCP Vegas

Start at: 2017-10-12 07:20:49  
End at: 2017-10-12 07:21:19  
Local clock offset: -0.373 ms  
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2017-10-12 13:50:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 733.95 Mbit/s  
95th percentile per-packet one-way delay: 2.911 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 355.35 Mbit/s  
95th percentile per-packet one-way delay: 2.862 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 408.78 Mbit/s  
95th percentile per-packet one-way delay: 2.976 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 320.74 Mbit/s  
95th percentile per-packet one-way delay: 2.860 ms  
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-10-12 07:41:12

End at: 2017-10-12 07:41:42

Local clock offset: -0.363 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2017-10-12 13:51:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 769.15 Mbit/s

95th percentile per-packet one-way delay: 8.703 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 445.32 Mbit/s

95th percentile per-packet one-way delay: 10.513 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 372.01 Mbit/s

95th percentile per-packet one-way delay: 2.966 ms

Loss rate: 0.00%

-- Flow 3:

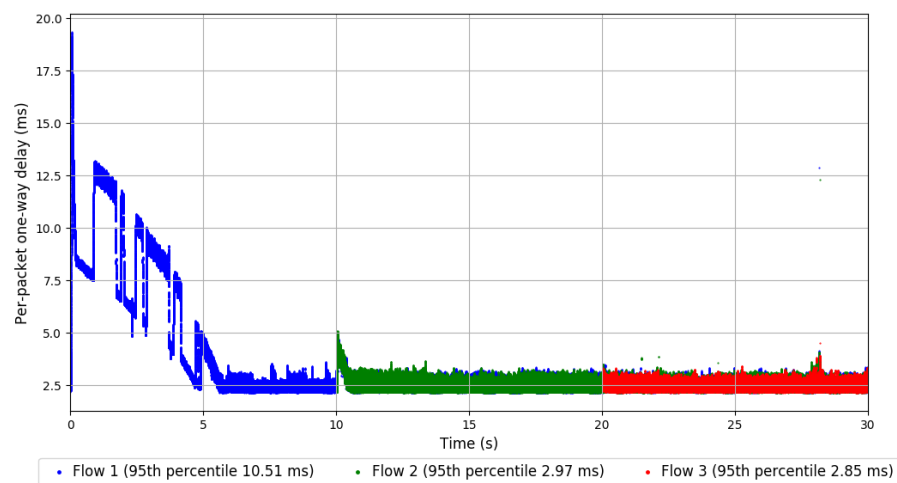
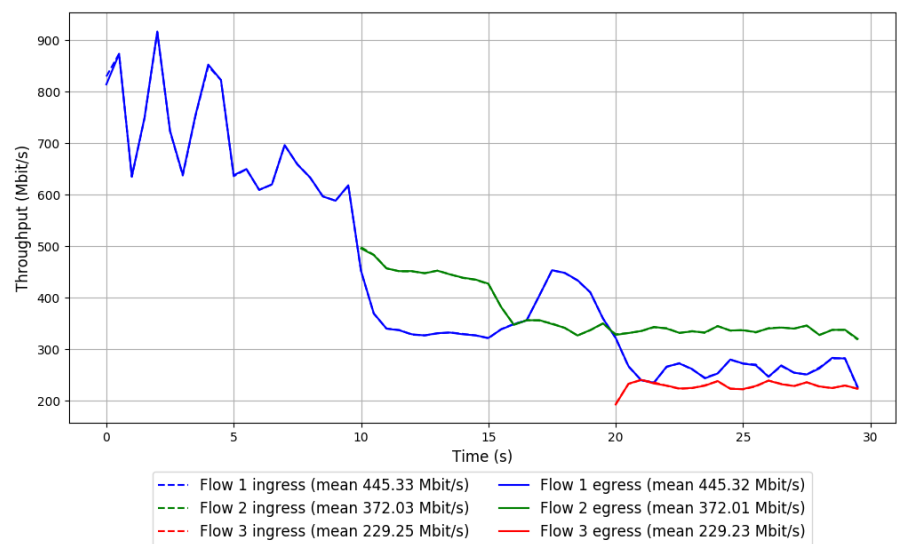
Average throughput: 229.23 Mbit/s

95th percentile per-packet one-way delay: 2.848 ms

Loss rate: 0.00%



Run 3: Report of TCP Vegas — Data Link

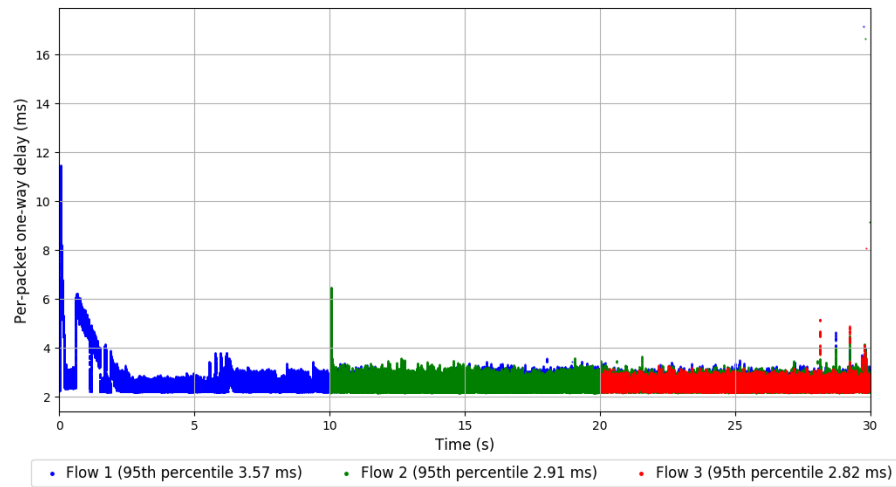
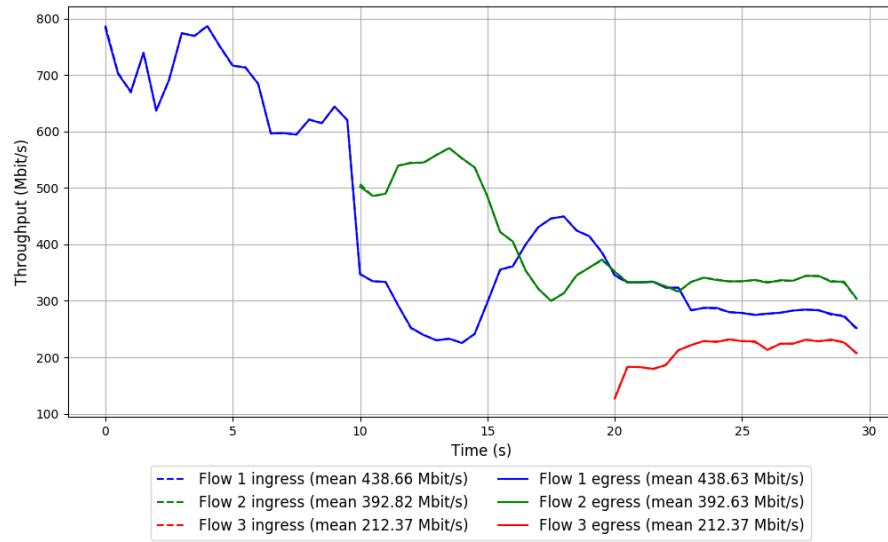


Run 4: Statistics of TCP Vegas

Start at: 2017-10-12 08:01:25  
End at: 2017-10-12 08:01:55  
Local clock offset: -0.368 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2017-10-12 13:51:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 770.51 Mbit/s  
95th percentile per-packet one-way delay: 3.019 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 438.63 Mbit/s  
95th percentile per-packet one-way delay: 3.566 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 392.63 Mbit/s  
95th percentile per-packet one-way delay: 2.911 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 212.37 Mbit/s  
95th percentile per-packet one-way delay: 2.817 ms  
Loss rate: 0.00%

# Run 4: Report of TCP Vegas — Data Link

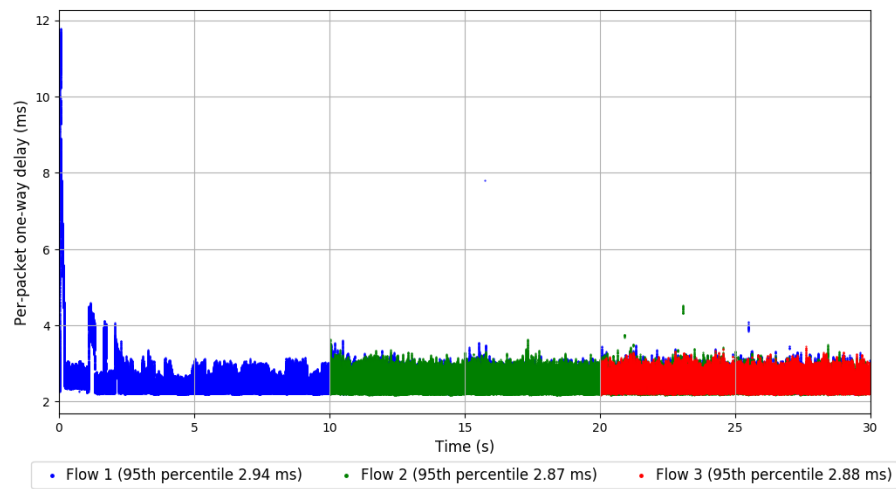
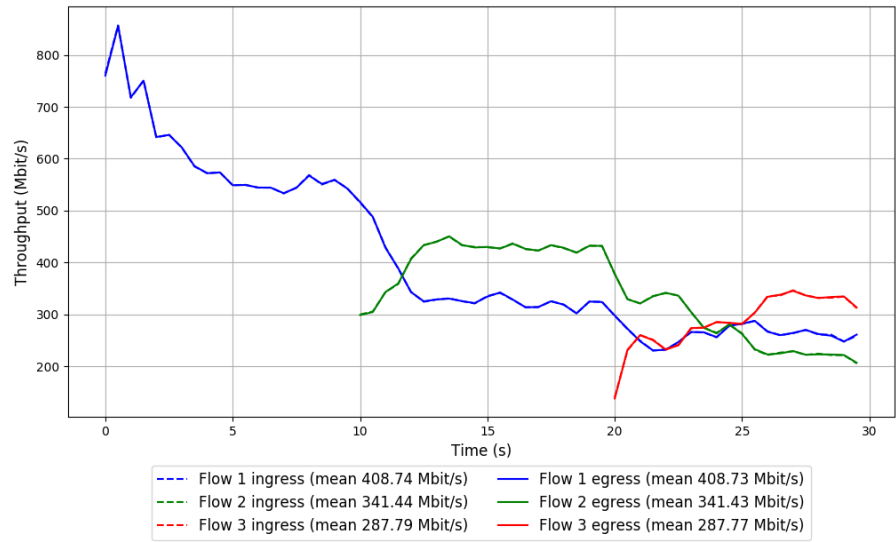


Run 5: Statistics of TCP Vegas

Start at: 2017-10-12 08:21:47  
End at: 2017-10-12 08:22:17  
Local clock offset: -0.4 ms  
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2017-10-12 13:51:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 731.62 Mbit/s  
95th percentile per-packet one-way delay: 2.900 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 408.73 Mbit/s  
95th percentile per-packet one-way delay: 2.938 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 341.43 Mbit/s  
95th percentile per-packet one-way delay: 2.870 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 287.77 Mbit/s  
95th percentile per-packet one-way delay: 2.879 ms  
Loss rate: 0.00%

# Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-10-12 08:41:58

End at: 2017-10-12 08:42:28

Local clock offset: -0.279 ms

Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2017-10-12 13:52:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 744.66 Mbit/s

95th percentile per-packet one-way delay: 2.968 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 470.24 Mbit/s

95th percentile per-packet one-way delay: 2.969 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 286.74 Mbit/s

95th percentile per-packet one-way delay: 2.978 ms

Loss rate: 0.00%

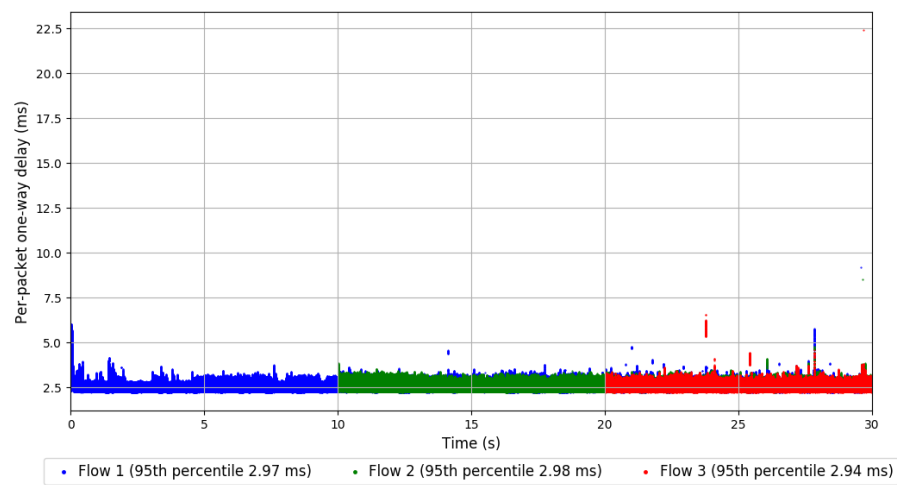
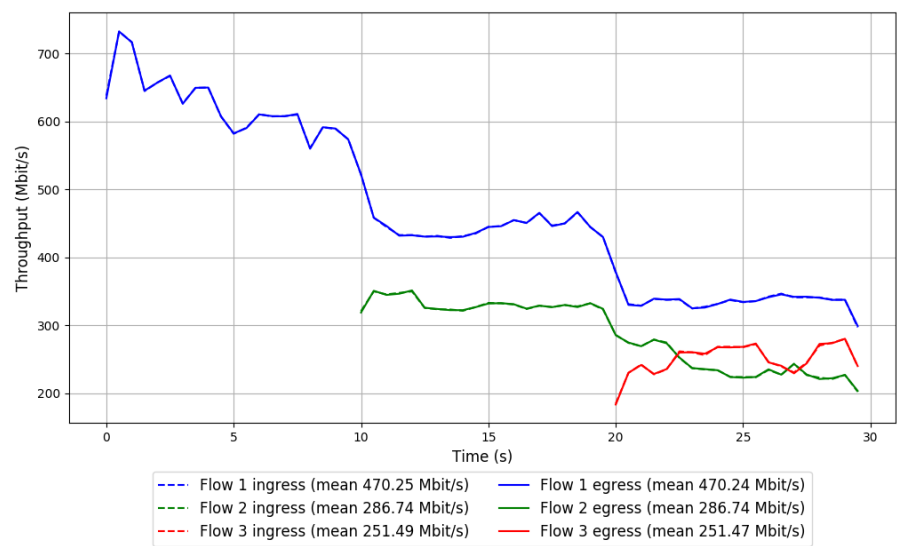
-- Flow 3:

Average throughput: 251.47 Mbit/s

95th percentile per-packet one-way delay: 2.939 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-10-12 09:02:14

End at: 2017-10-12 09:02:44

Local clock offset: -0.179 ms

Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2017-10-12 13:54:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 743.76 Mbit/s

95th percentile per-packet one-way delay: 2.899 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 426.95 Mbit/s

95th percentile per-packet one-way delay: 2.959 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 352.60 Mbit/s

95th percentile per-packet one-way delay: 2.888 ms

Loss rate: 0.00%

-- Flow 3:

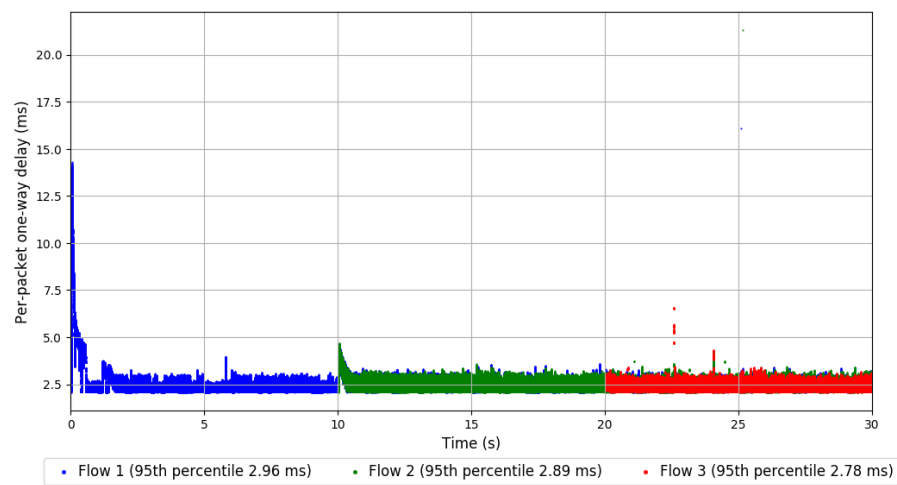
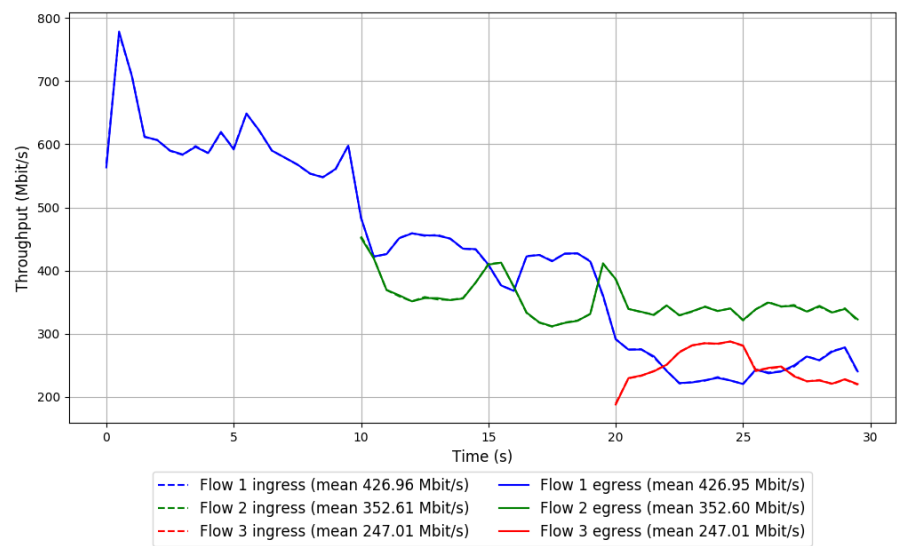
Average throughput: 247.01 Mbit/s

95th percentile per-packet one-way delay: 2.780 ms

Loss rate: 0.00%



Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-10-12 09:22:30

End at: 2017-10-12 09:23:00

Local clock offset: -0.224 ms

Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-10-12 13:54:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 763.03 Mbit/s

95th percentile per-packet one-way delay: 3.002 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 389.50 Mbit/s

95th percentile per-packet one-way delay: 2.985 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 340.35 Mbit/s

95th percentile per-packet one-way delay: 3.041 ms

Loss rate: 0.01%

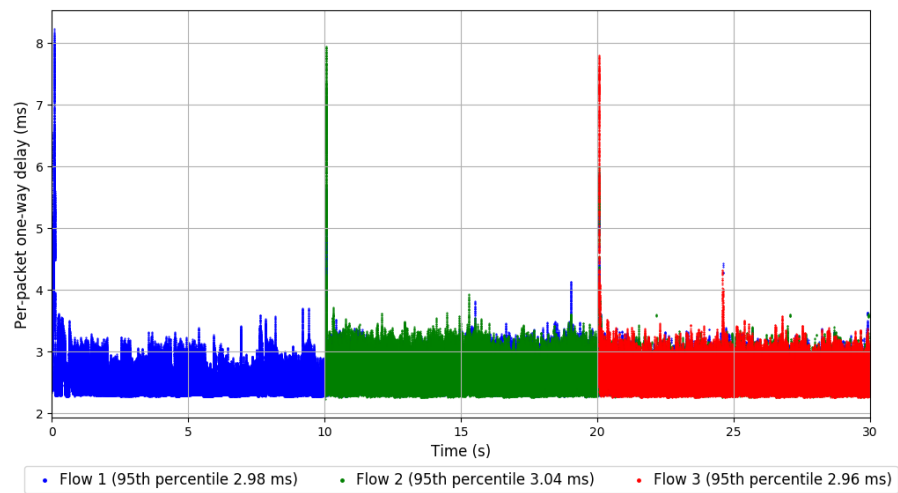
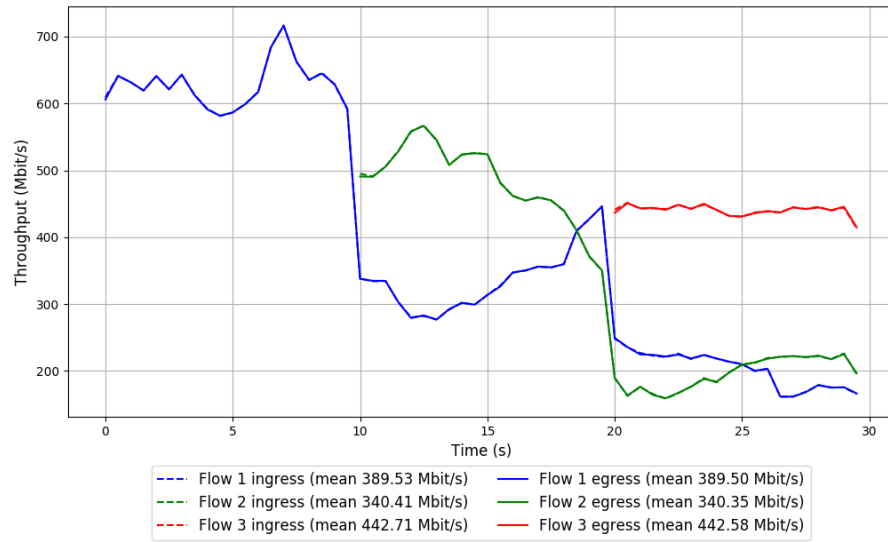
-- Flow 3:

Average throughput: 442.58 Mbit/s

95th percentile per-packet one-way delay: 2.963 ms

Loss rate: 0.02%

## Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-10-12 09:42:45

End at: 2017-10-12 09:43:15

Local clock offset: -0.144 ms

Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2017-10-12 14:00:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 728.01 Mbit/s

95th percentile per-packet one-way delay: 2.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 449.64 Mbit/s

95th percentile per-packet one-way delay: 2.973 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 298.94 Mbit/s

95th percentile per-packet one-way delay: 2.993 ms

Loss rate: 0.00%

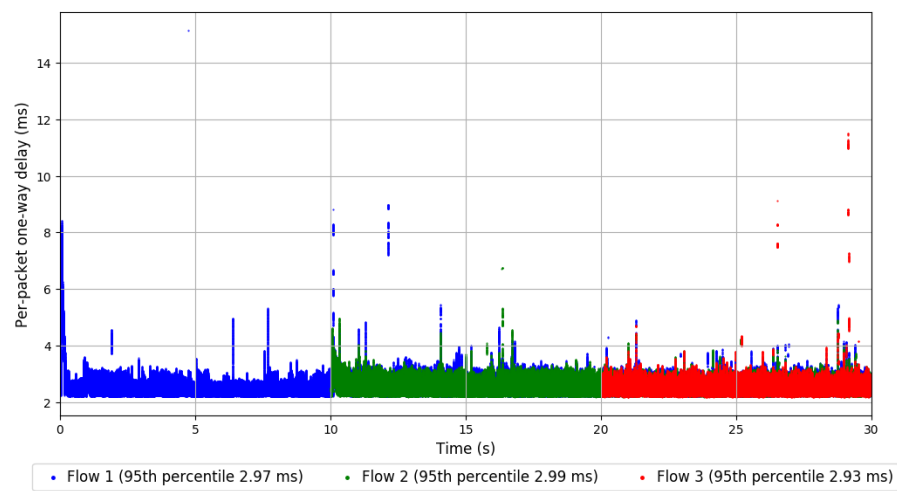
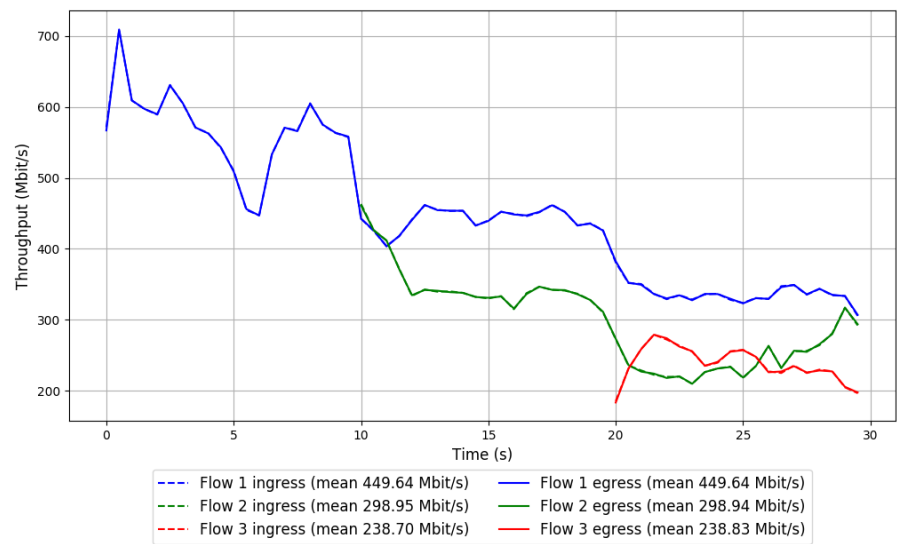
-- Flow 3:

Average throughput: 238.83 Mbit/s

95th percentile per-packet one-way delay: 2.928 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-10-12 10:02:48

End at: 2017-10-12 10:03:18

Local clock offset: -0.05 ms

Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2017-10-12 14:01:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 736.30 Mbit/s

95th percentile per-packet one-way delay: 3.145 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 462.08 Mbit/s

95th percentile per-packet one-way delay: 3.429 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 293.77 Mbit/s

95th percentile per-packet one-way delay: 3.011 ms

Loss rate: 0.00%

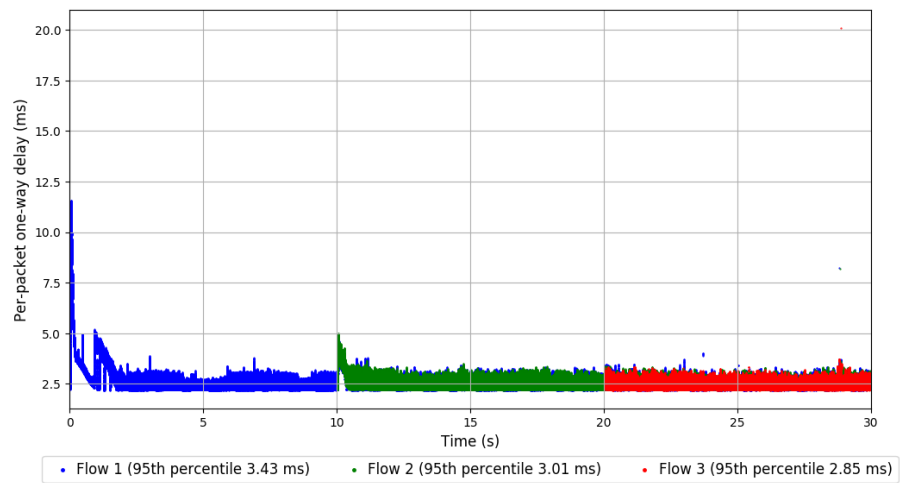
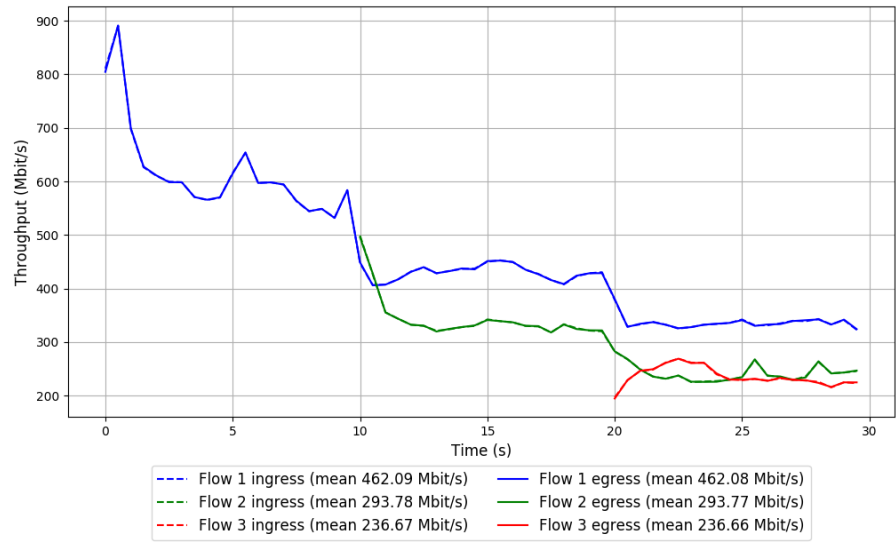
-- Flow 3:

Average throughput: 236.66 Mbit/s

95th percentile per-packet one-way delay: 2.855 ms

Loss rate: 0.00%

# Run 10: Report of TCP Vegas — Data Link



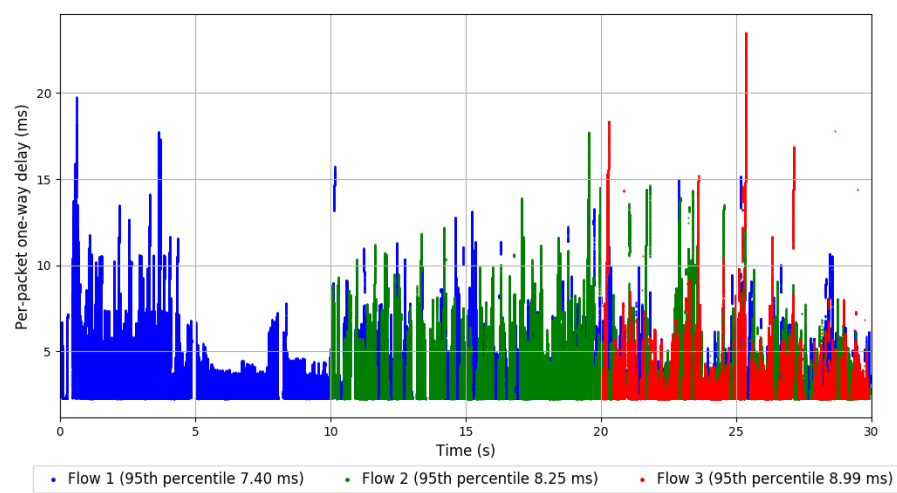
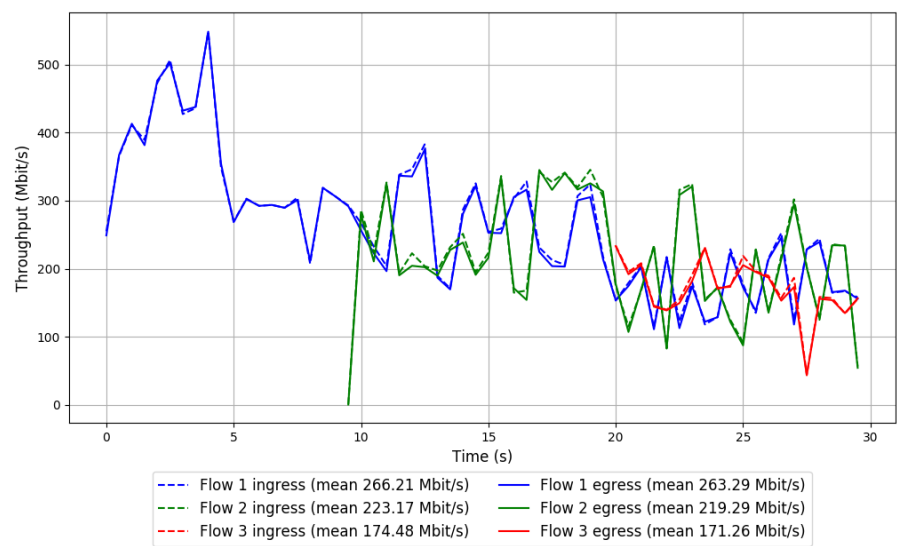
Run 1: Statistics of Verus

Start at: 2017-10-12 06:54:43  
End at: 2017-10-12 06:55:13  
Local clock offset: -0.43 ms  
Remote clock offset: -0.194 ms

# Below is generated by plot.py at 2017-10-12 14:01:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 465.89 Mbit/s  
95th percentile per-packet one-way delay: 7.832 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 263.29 Mbit/s  
95th percentile per-packet one-way delay: 7.398 ms  
Loss rate: 1.10%  
-- Flow 2:  
Average throughput: 219.29 Mbit/s  
95th percentile per-packet one-way delay: 8.252 ms  
Loss rate: 1.74%  
-- Flow 3:  
Average throughput: 171.26 Mbit/s  
95th percentile per-packet one-way delay: 8.988 ms  
Loss rate: 1.85%



Run 1: Report of Verus — Data Link

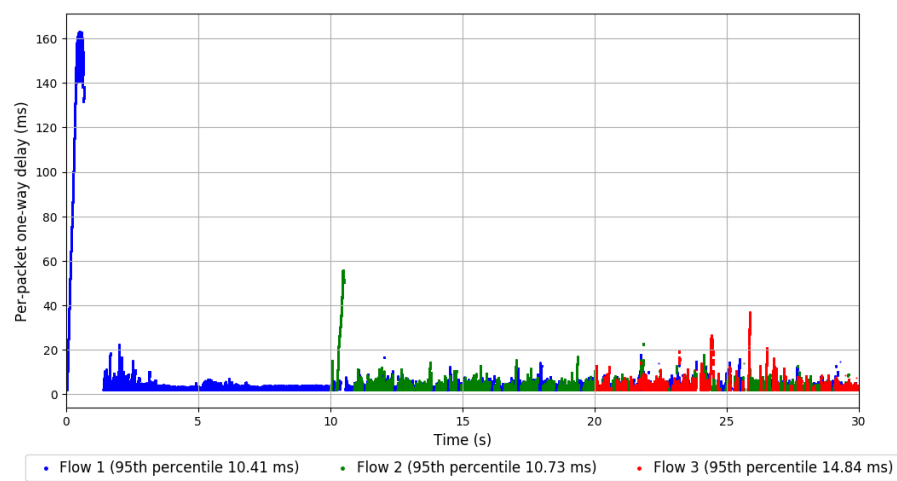
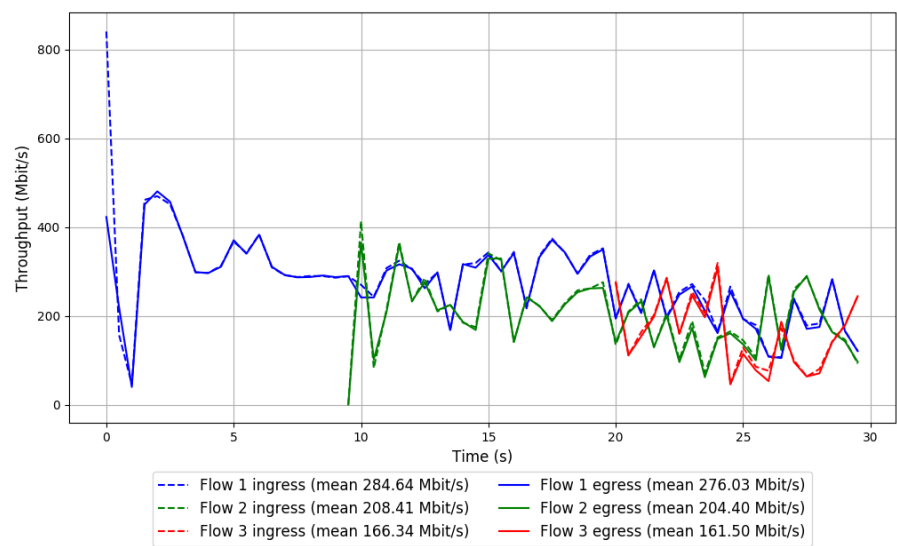


Run 2: Statistics of Verus

Start at: 2017-10-12 07:14:49  
End at: 2017-10-12 07:15:20  
Local clock offset: -0.373 ms  
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2017-10-12 14:01:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 465.76 Mbit/s  
95th percentile per-packet one-way delay: 11.506 ms  
Loss rate: 2.69%  
-- Flow 1:  
Average throughput: 276.03 Mbit/s  
95th percentile per-packet one-way delay: 10.406 ms  
Loss rate: 3.02%  
-- Flow 2:  
Average throughput: 204.40 Mbit/s  
95th percentile per-packet one-way delay: 10.733 ms  
Loss rate: 1.92%  
-- Flow 3:  
Average throughput: 161.50 Mbit/s  
95th percentile per-packet one-way delay: 14.841 ms  
Loss rate: 2.92%

Run 2: Report of Verus — Data Link

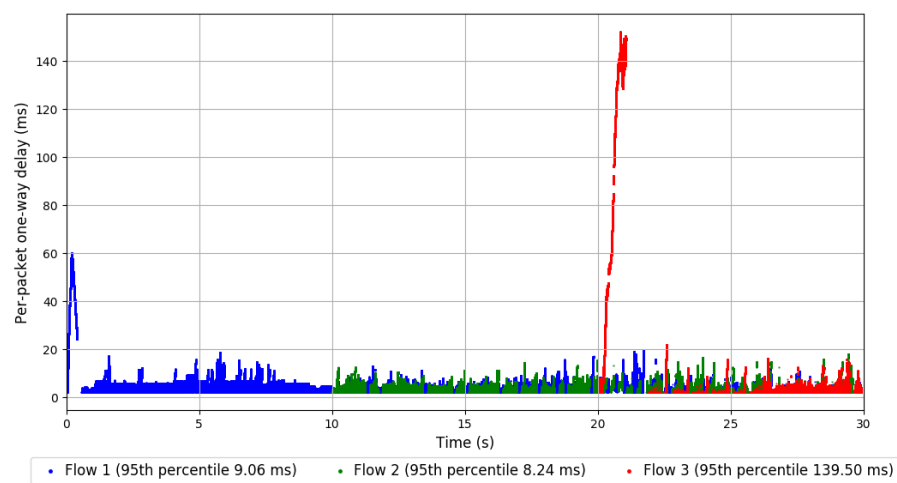
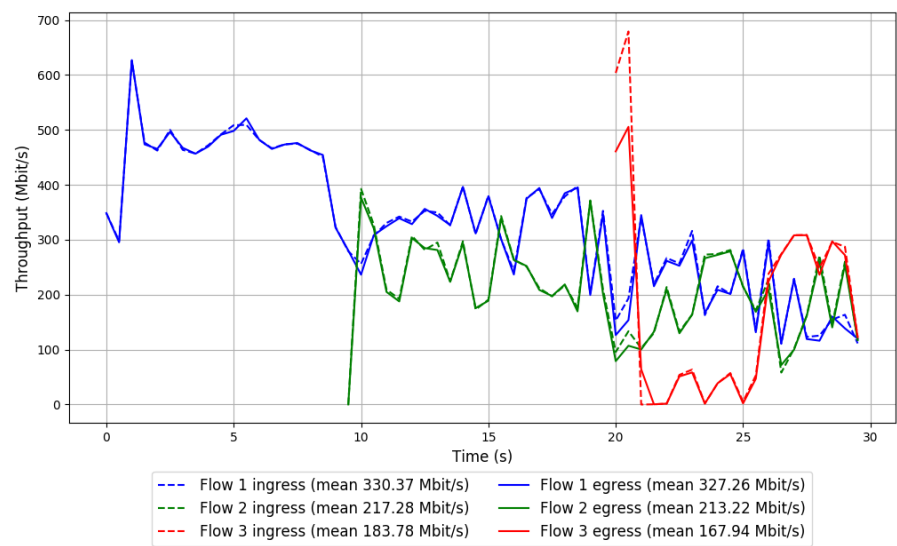


Run 3: Statistics of Verus

Start at: 2017-10-12 07:35:10  
End at: 2017-10-12 07:35:40  
Local clock offset: -0.374 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-10-12 14:01:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 524.90 Mbit/s  
95th percentile per-packet one-way delay: 11.596 ms  
Loss rate: 2.06%  
-- Flow 1:  
Average throughput: 327.26 Mbit/s  
95th percentile per-packet one-way delay: 9.062 ms  
Loss rate: 0.94%  
-- Flow 2:  
Average throughput: 213.22 Mbit/s  
95th percentile per-packet one-way delay: 8.239 ms  
Loss rate: 1.87%  
-- Flow 3:  
Average throughput: 167.94 Mbit/s  
95th percentile per-packet one-way delay: 139.496 ms  
Loss rate: 8.62%

Run 3: Report of Verus — Data Link

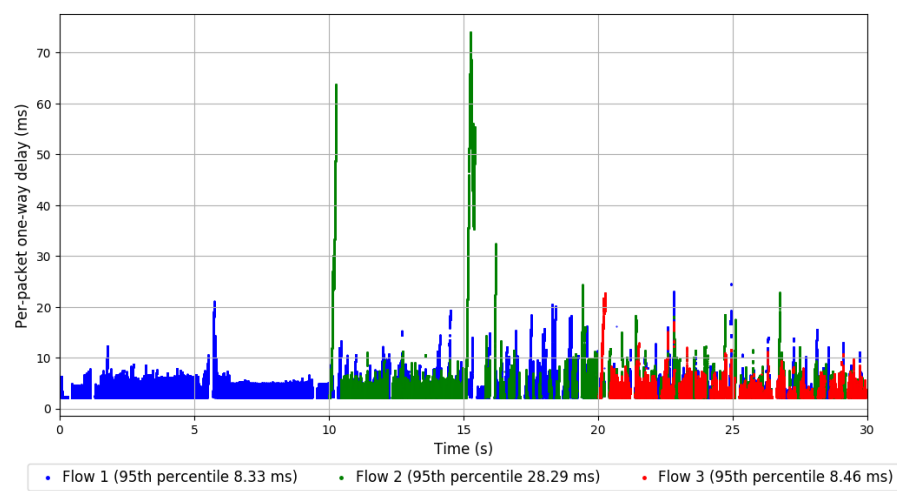
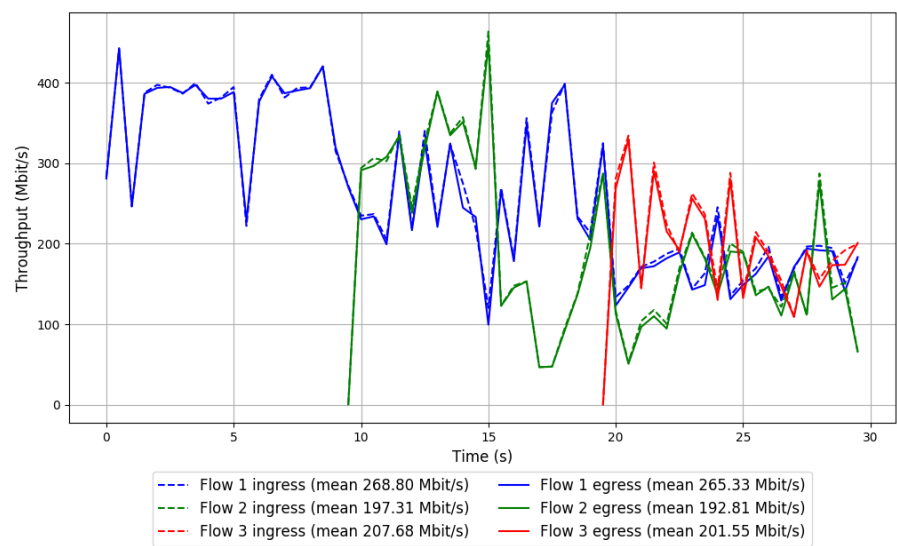


Run 4: Statistics of Verus

Start at: 2017-10-12 07:55:32  
End at: 2017-10-12 07:56:02  
Local clock offset: -0.369 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2017-10-12 14:01:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 459.09 Mbit/s  
95th percentile per-packet one-way delay: 10.131 ms  
Loss rate: 1.82%  
-- Flow 1:  
Average throughput: 265.33 Mbit/s  
95th percentile per-packet one-way delay: 8.326 ms  
Loss rate: 1.29%  
-- Flow 2:  
Average throughput: 192.81 Mbit/s  
95th percentile per-packet one-way delay: 28.288 ms  
Loss rate: 2.29%  
-- Flow 3:  
Average throughput: 201.55 Mbit/s  
95th percentile per-packet one-way delay: 8.457 ms  
Loss rate: 2.96%

Run 4: Report of Verus — Data Link



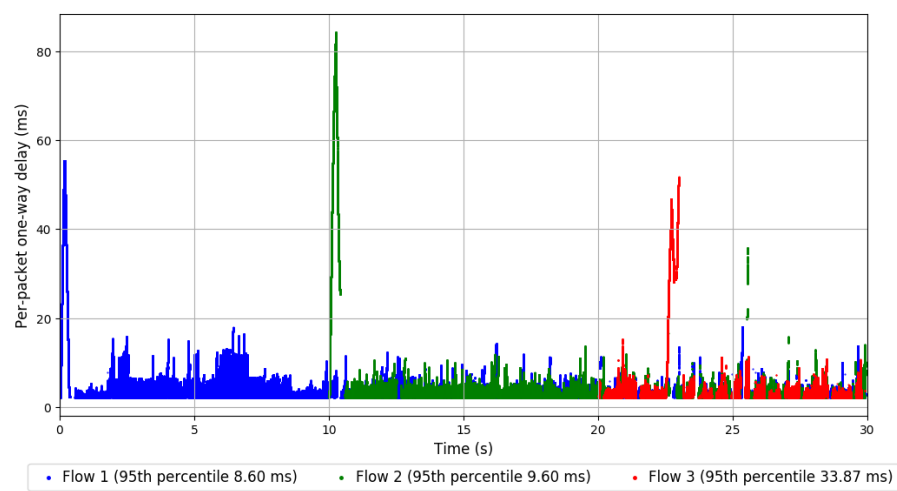
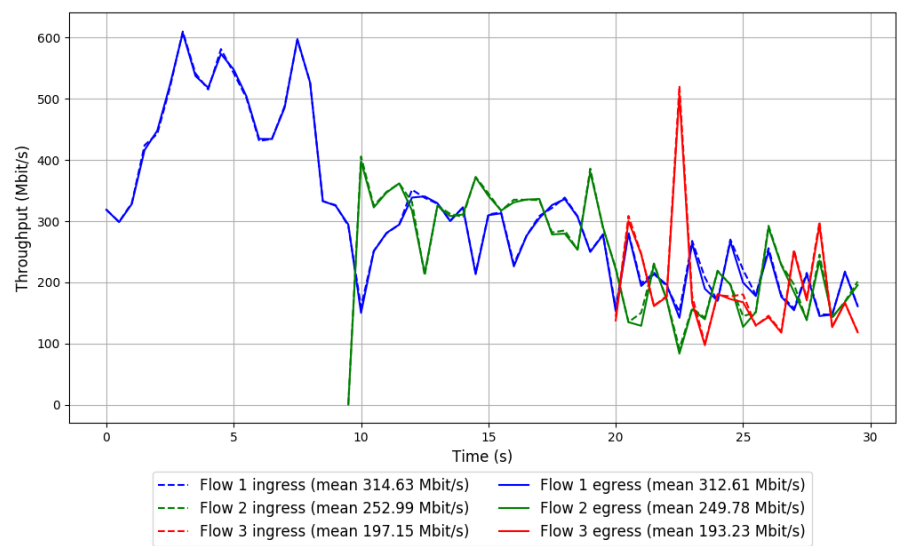
Run 5: Statistics of Verus

Start at: 2017-10-12 08:15:40  
End at: 2017-10-12 08:16:10  
Local clock offset: -0.331 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2017-10-12 14:02:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 543.06 Mbit/s  
95th percentile per-packet one-way delay: 9.780 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 312.61 Mbit/s  
95th percentile per-packet one-way delay: 8.603 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 249.78 Mbit/s  
95th percentile per-packet one-way delay: 9.595 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 193.23 Mbit/s  
95th percentile per-packet one-way delay: 33.873 ms  
Loss rate: 1.97%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-10-12 08:36:07

End at: 2017-10-12 08:36:37

Local clock offset: -0.272 ms

Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2017-10-12 14:02:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 452.99 Mbit/s

95th percentile per-packet one-way delay: 7.038 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 244.20 Mbit/s

95th percentile per-packet one-way delay: 7.095 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 209.46 Mbit/s

95th percentile per-packet one-way delay: 6.962 ms

Loss rate: 1.06%

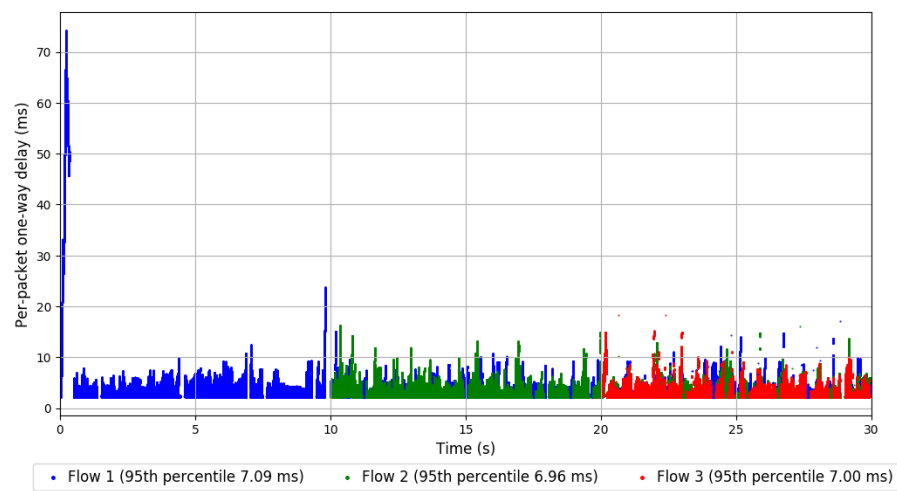
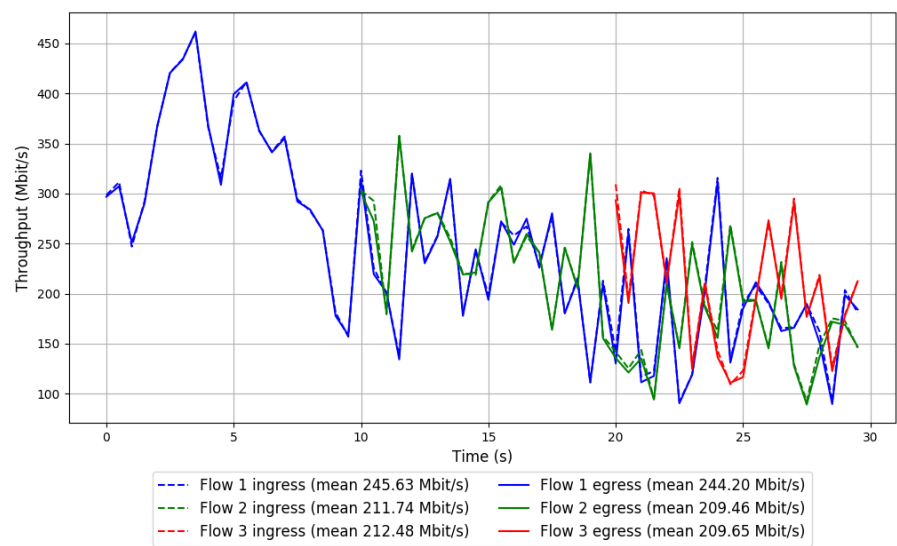
-- Flow 3:

Average throughput: 209.65 Mbit/s

95th percentile per-packet one-way delay: 6.998 ms

Loss rate: 1.33%

Run 6: Report of Verus — Data Link

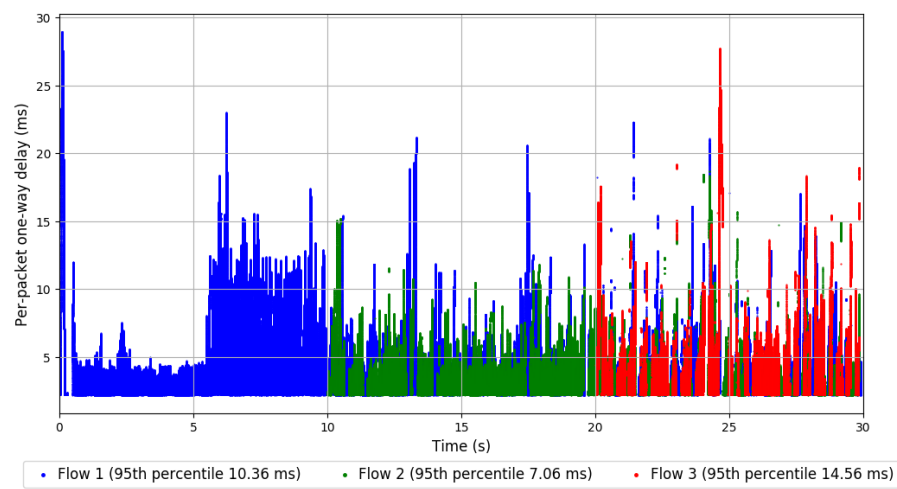
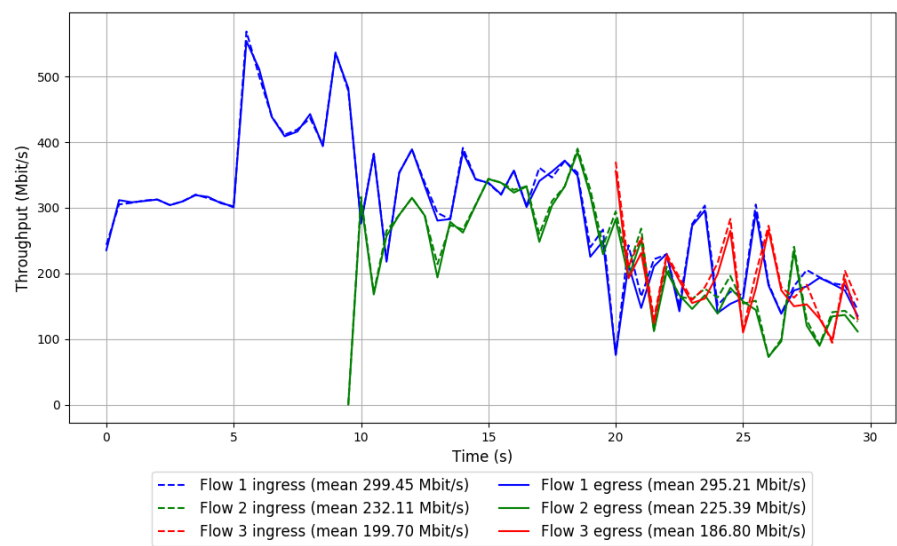


Run 7: Statistics of Verus

Start at: 2017-10-12 08:56:17  
End at: 2017-10-12 08:56:47  
Local clock offset: -0.217 ms  
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2017-10-12 14:05:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 506.28 Mbit/s  
95th percentile per-packet one-way delay: 9.770 ms  
Loss rate: 2.48%  
-- Flow 1:  
Average throughput: 295.21 Mbit/s  
95th percentile per-packet one-way delay: 10.356 ms  
Loss rate: 1.42%  
-- Flow 2:  
Average throughput: 225.39 Mbit/s  
95th percentile per-packet one-way delay: 7.061 ms  
Loss rate: 2.89%  
-- Flow 3:  
Average throughput: 186.80 Mbit/s  
95th percentile per-packet one-way delay: 14.564 ms  
Loss rate: 6.35%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-10-12 09:16:38

End at: 2017-10-12 09:17:08

Local clock offset: -0.167 ms

Remote clock offset: 0.065 ms

# Below is generated by plot.py at 2017-10-12 14:05:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 413.32 Mbit/s

95th percentile per-packet one-way delay: 8.794 ms

Loss rate: 1.69%

-- Flow 1:

Average throughput: 254.94 Mbit/s

95th percentile per-packet one-way delay: 7.080 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 158.14 Mbit/s

95th percentile per-packet one-way delay: 10.245 ms

Loss rate: 2.27%

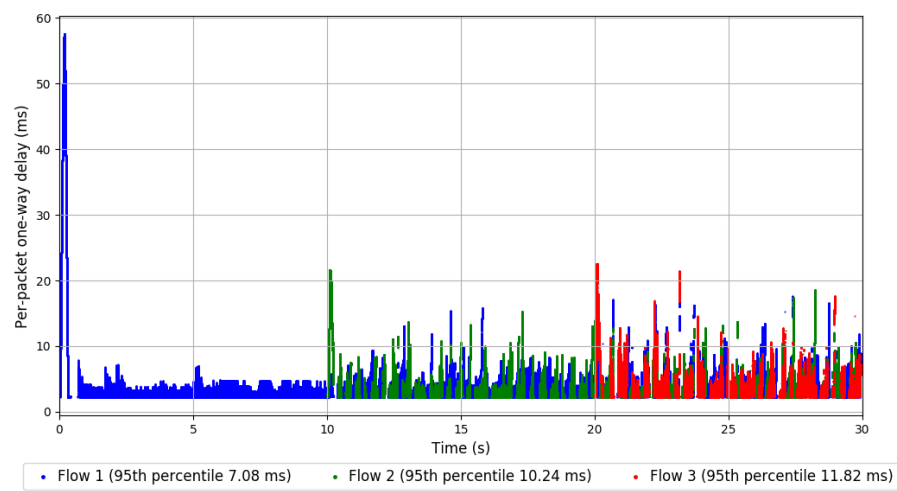
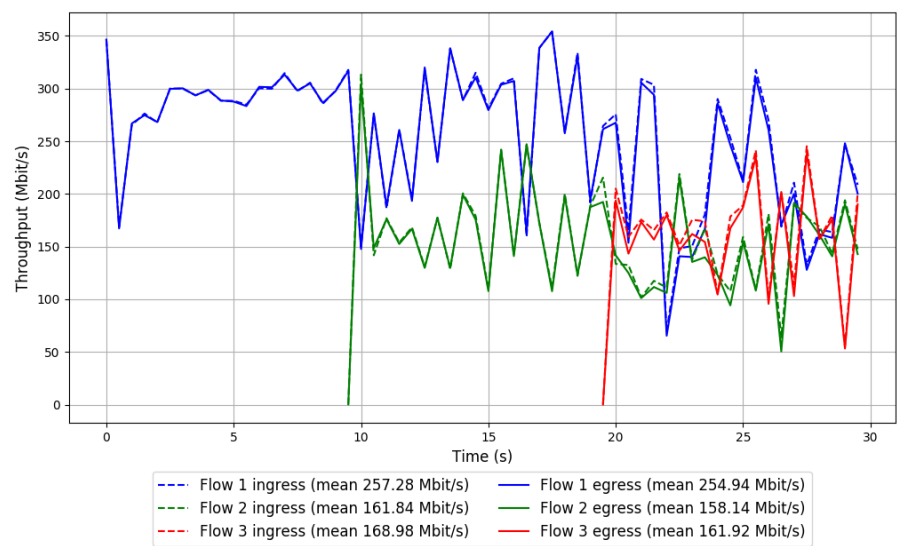
-- Flow 3:

Average throughput: 161.92 Mbit/s

95th percentile per-packet one-way delay: 11.823 ms

Loss rate: 4.18%

Run 8: Report of Verus — Data Link



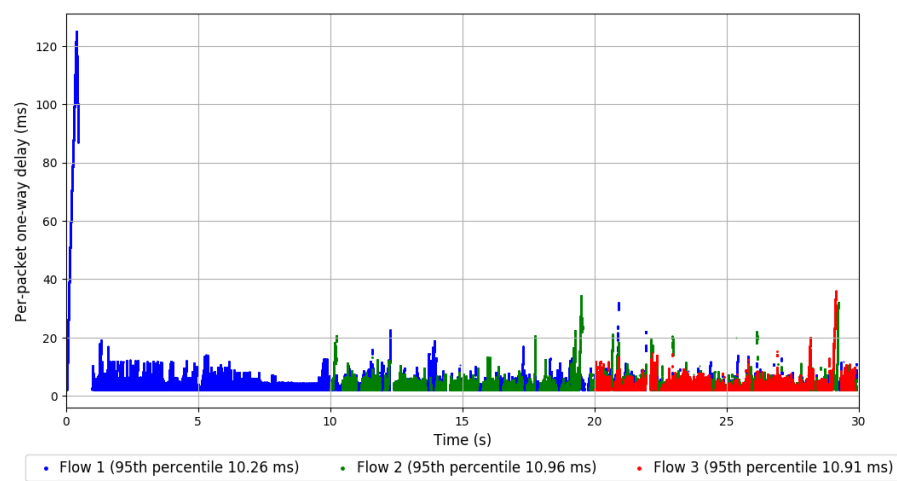
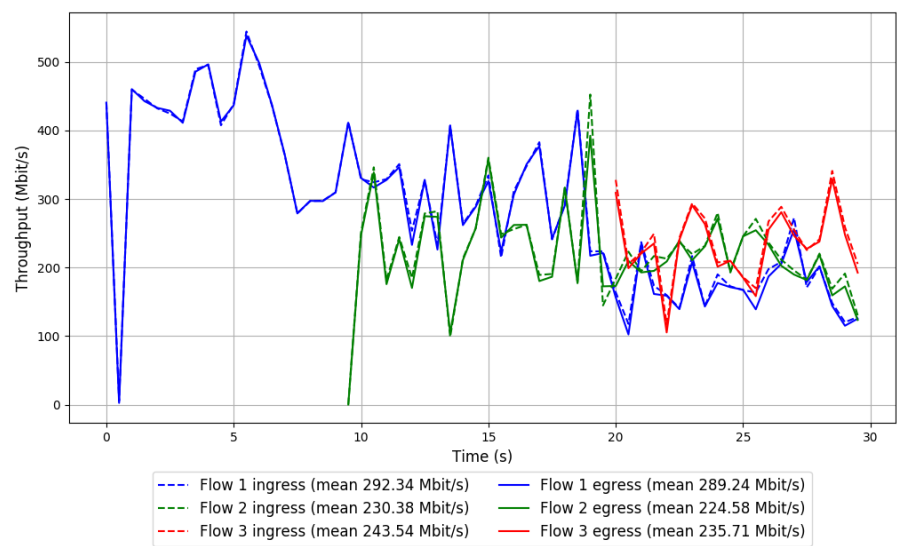
Run 9: Statistics of Verus

Start at: 2017-10-12 09:36:50  
End at: 2017-10-12 09:37:20  
Local clock offset: -0.112 ms  
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2017-10-12 14:07:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 516.38 Mbit/s  
95th percentile per-packet one-way delay: 10.476 ms  
Loss rate: 1.80%  
-- Flow 1:  
Average throughput: 289.24 Mbit/s  
95th percentile per-packet one-way delay: 10.262 ms  
Loss rate: 1.06%  
-- Flow 2:  
Average throughput: 224.58 Mbit/s  
95th percentile per-packet one-way delay: 10.961 ms  
Loss rate: 2.52%  
-- Flow 3:  
Average throughput: 235.71 Mbit/s  
95th percentile per-packet one-way delay: 10.908 ms  
Loss rate: 3.14%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-10-12 09:56:57

End at: 2017-10-12 09:57:27

Local clock offset: -0.047 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2017-10-12 14:07:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 447.96 Mbit/s

95th percentile per-packet one-way delay: 8.436 ms

Loss rate: 2.33%

-- Flow 1:

Average throughput: 266.69 Mbit/s

95th percentile per-packet one-way delay: 6.400 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 198.31 Mbit/s

95th percentile per-packet one-way delay: 9.868 ms

Loss rate: 3.02%

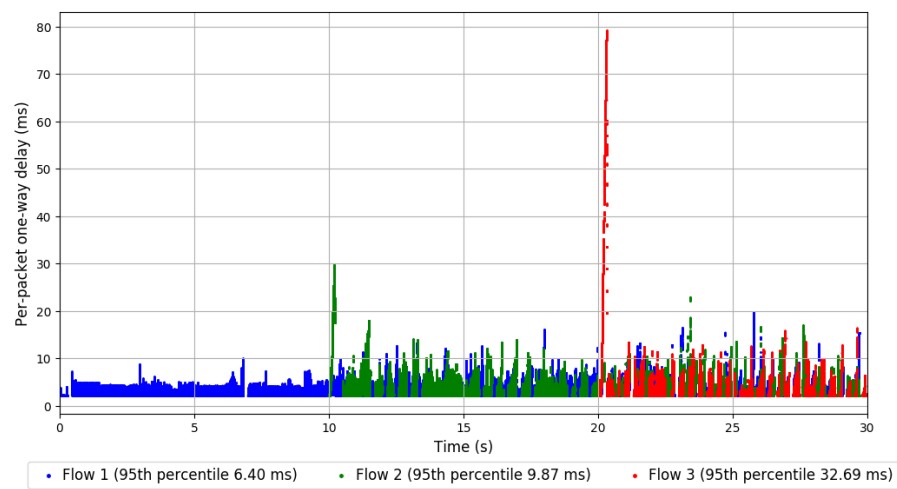
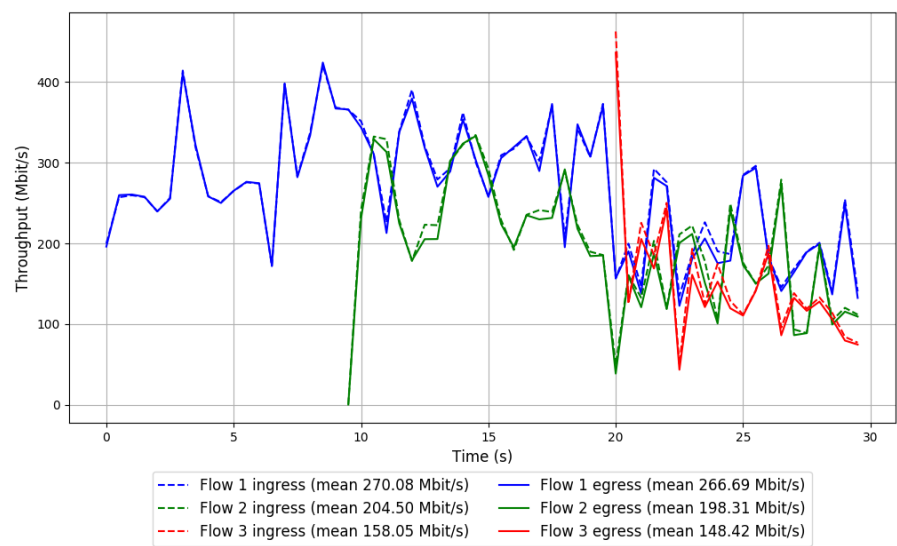
-- Flow 3:

Average throughput: 148.42 Mbit/s

95th percentile per-packet one-way delay: 32.691 ms

Loss rate: 6.10%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-10-12 07:05:09

End at: 2017-10-12 07:05:39

Local clock offset: -0.379 ms

Remote clock offset: -0.26 ms

# Below is generated by plot.py at 2017-10-12 14:07:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 217.29 Mbit/s

95th percentile per-packet one-way delay: 2.298 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 110.09 Mbit/s

95th percentile per-packet one-way delay: 2.280 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.79 Mbit/s

95th percentile per-packet one-way delay: 2.318 ms

Loss rate: 0.00%

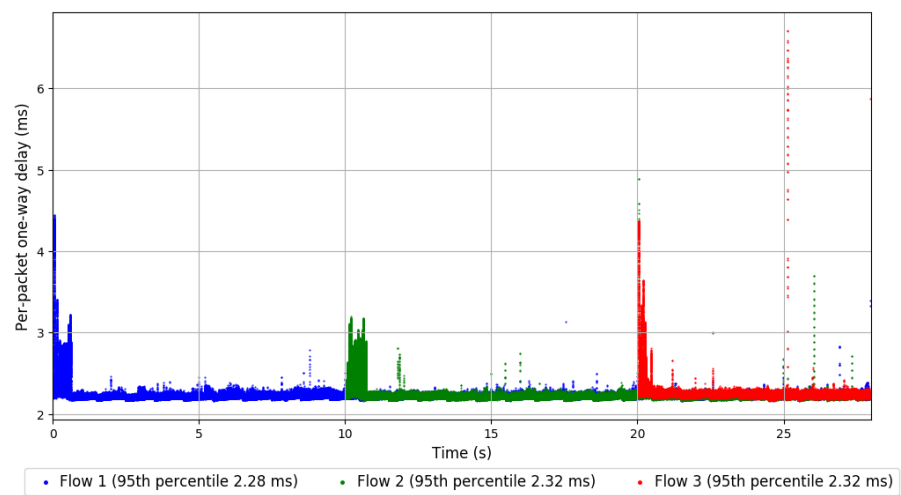
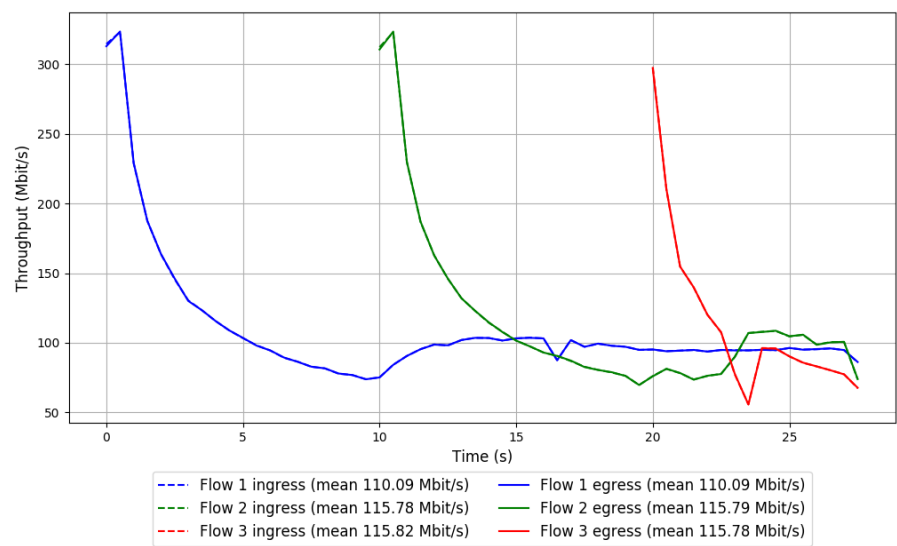
-- Flow 3:

Average throughput: 115.78 Mbit/s

95th percentile per-packet one-way delay: 2.316 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

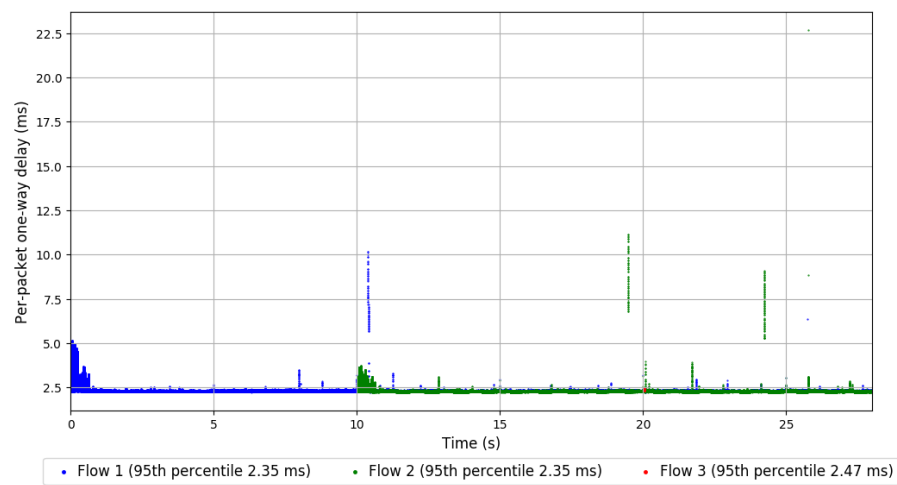
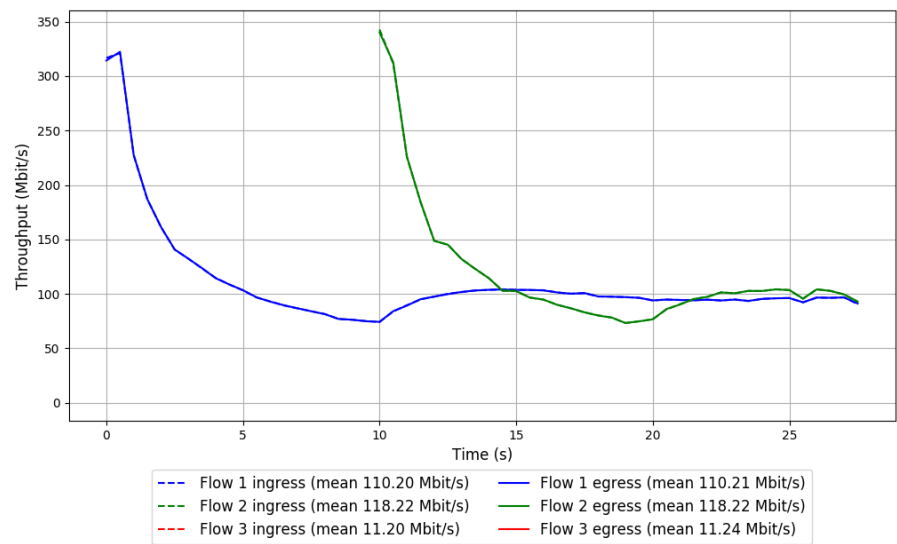


Run 2: Statistics of Copa

Start at: 2017-10-12 07:25:22  
End at: 2017-10-12 07:25:52  
Local clock offset: -0.448 ms  
Remote clock offset: -0.163 ms

# Below is generated by plot.py at 2017-10-12 14:07:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 186.12 Mbit/s  
95th percentile per-packet one-way delay: 2.352 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 110.21 Mbit/s  
95th percentile per-packet one-way delay: 2.354 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 118.22 Mbit/s  
95th percentile per-packet one-way delay: 2.345 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.24 Mbit/s  
95th percentile per-packet one-way delay: 2.468 ms  
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



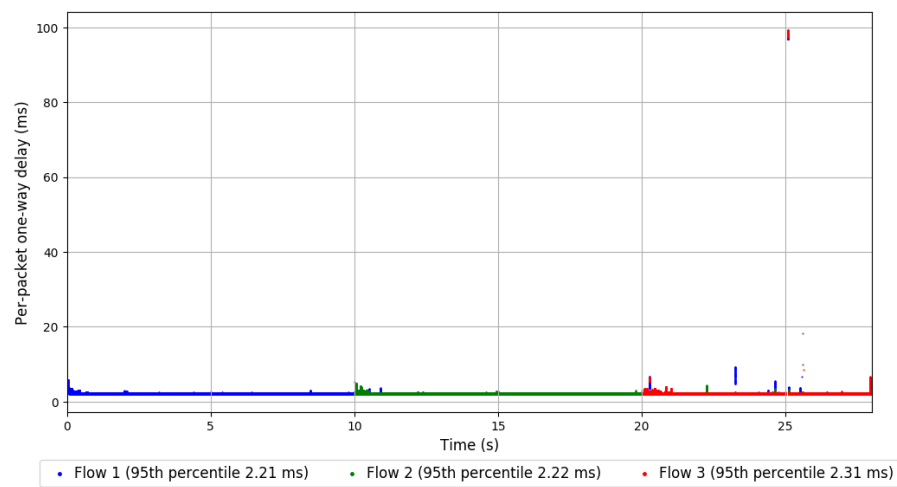
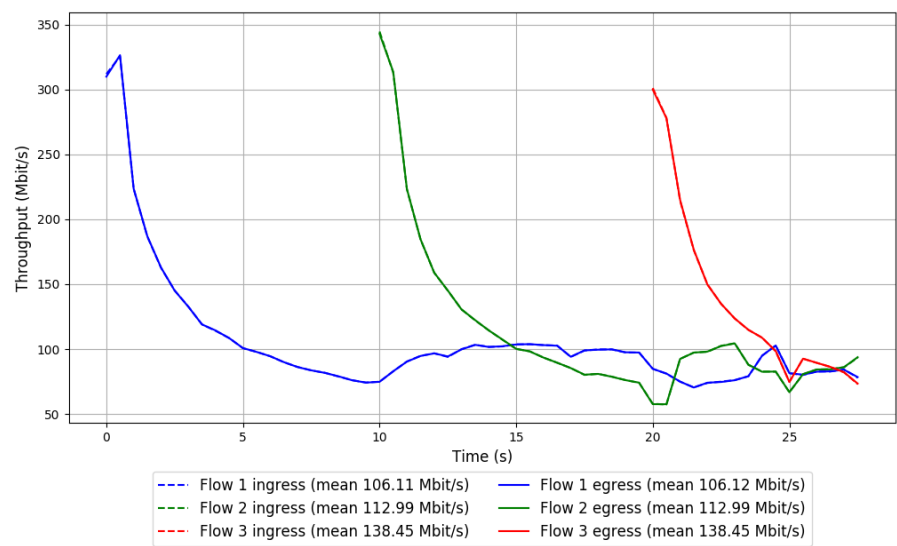
Run 3: Statistics of Copa

Start at: 2017-10-12 07:45:47  
End at: 2017-10-12 07:46:17  
Local clock offset: -0.375 ms  
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2017-10-12 14:07:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 217.97 Mbit/s  
95th percentile per-packet one-way delay: 2.217 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 106.12 Mbit/s  
95th percentile per-packet one-way delay: 2.211 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 112.99 Mbit/s  
95th percentile per-packet one-way delay: 2.221 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 138.45 Mbit/s  
95th percentile per-packet one-way delay: 2.312 ms  
Loss rate: 0.00%



Run 3: Report of Copa — Data Link

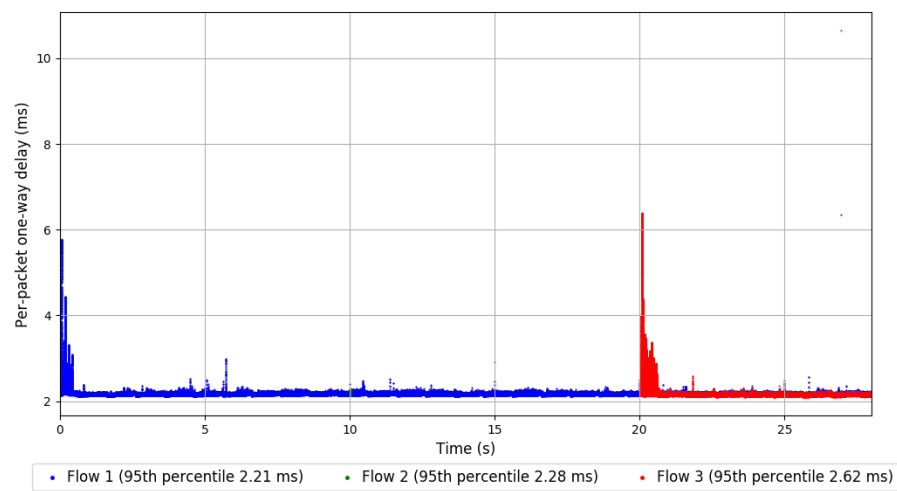
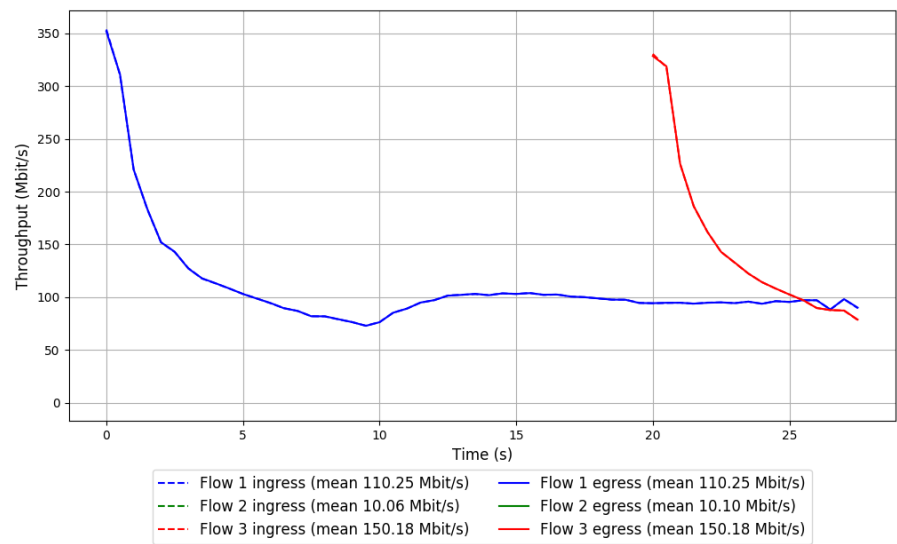


Run 4: Statistics of Copa

Start at: 2017-10-12 08:05:59  
End at: 2017-10-12 08:06:29  
Local clock offset: -0.371 ms  
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2017-10-12 14:07:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 152.93 Mbit/s  
95th percentile per-packet one-way delay: 2.224 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 110.25 Mbit/s  
95th percentile per-packet one-way delay: 2.210 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 10.10 Mbit/s  
95th percentile per-packet one-way delay: 2.283 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 150.18 Mbit/s  
95th percentile per-packet one-way delay: 2.621 ms  
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-10-12 08:26:19

End at: 2017-10-12 08:26:49

Local clock offset: -0.382 ms

Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2017-10-12 14:10:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 222.58 Mbit/s

95th percentile per-packet one-way delay: 2.348 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.22 Mbit/s

95th percentile per-packet one-way delay: 2.348 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.34 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.00%

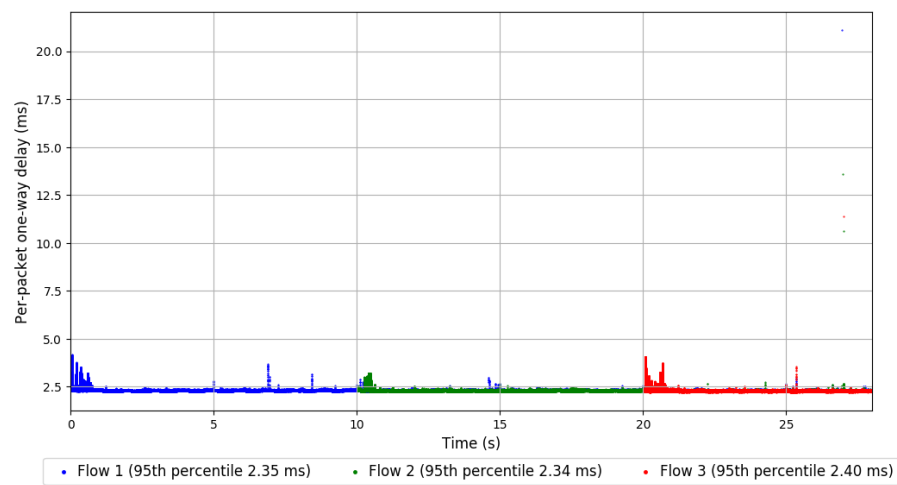
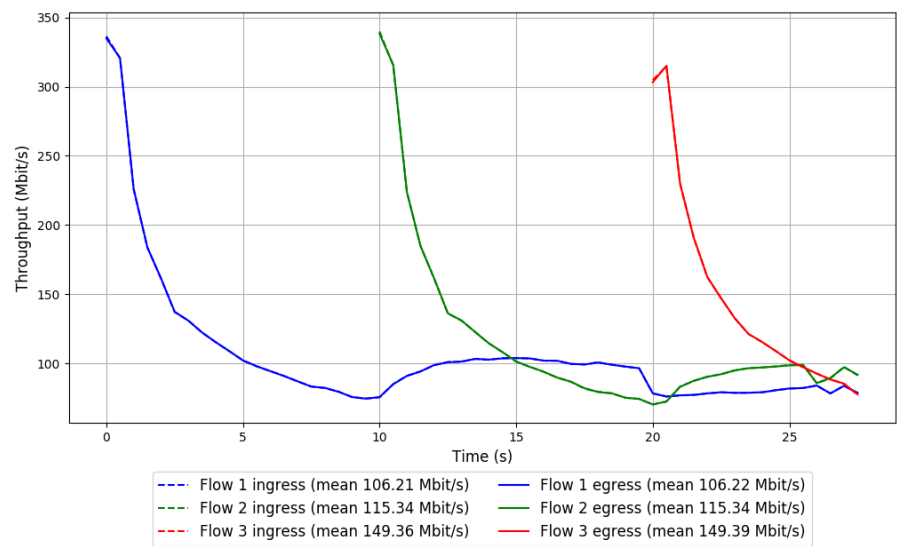
-- Flow 3:

Average throughput: 149.39 Mbit/s

95th percentile per-packet one-way delay: 2.401 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-10-12 08:46:31

End at: 2017-10-12 08:47:01

Local clock offset: -0.235 ms

Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2017-10-12 14:11:20

# Datalink statistics

-- Total of 3 flows:

Average throughput: 212.94 Mbit/s

95th percentile per-packet one-way delay: 2.263 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.27 Mbit/s

95th percentile per-packet one-way delay: 2.258 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.19 Mbit/s

95th percentile per-packet one-way delay: 2.264 ms

Loss rate: 0.00%

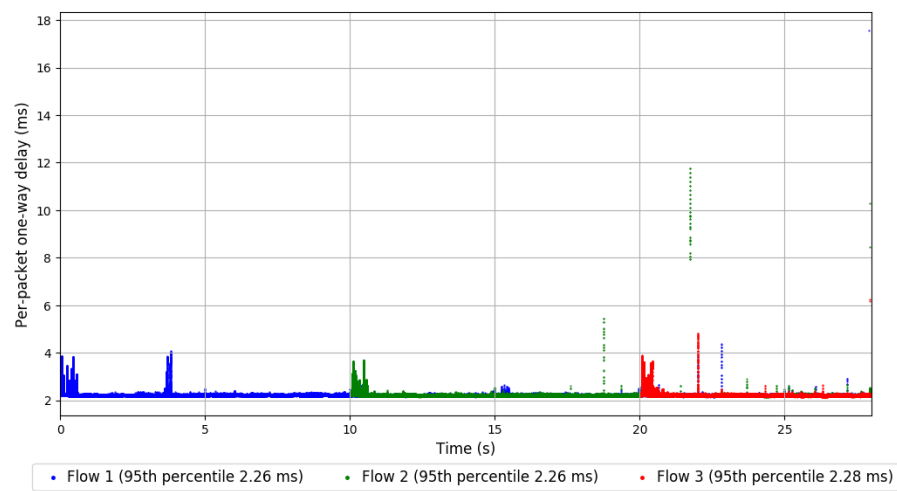
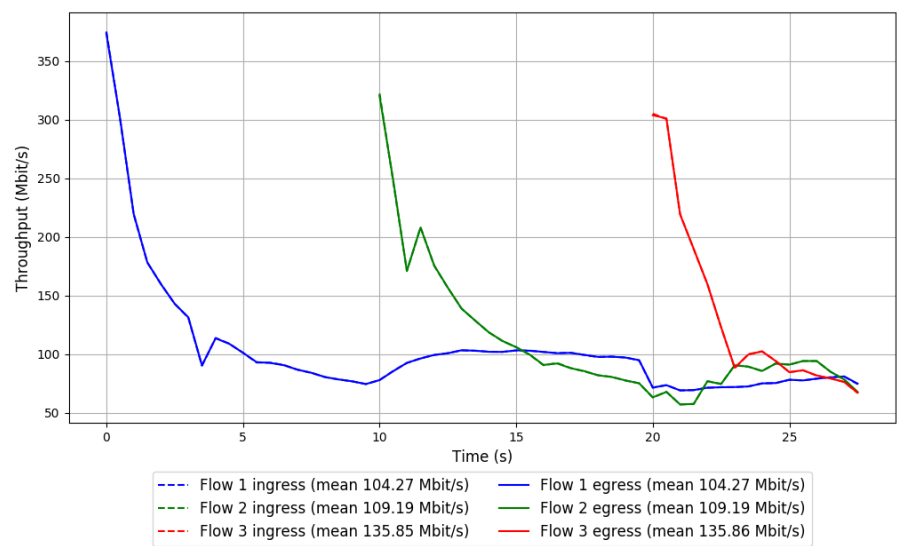
-- Flow 3:

Average throughput: 135.86 Mbit/s

95th percentile per-packet one-way delay: 2.277 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-10-12 09:06:49

End at: 2017-10-12 09:07:19

Local clock offset: -0.164 ms

Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2017-10-12 14:12:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 213.87 Mbit/s

95th percentile per-packet one-way delay: 2.268 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.91 Mbit/s

95th percentile per-packet one-way delay: 2.260 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 107.00 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

-- Flow 3:

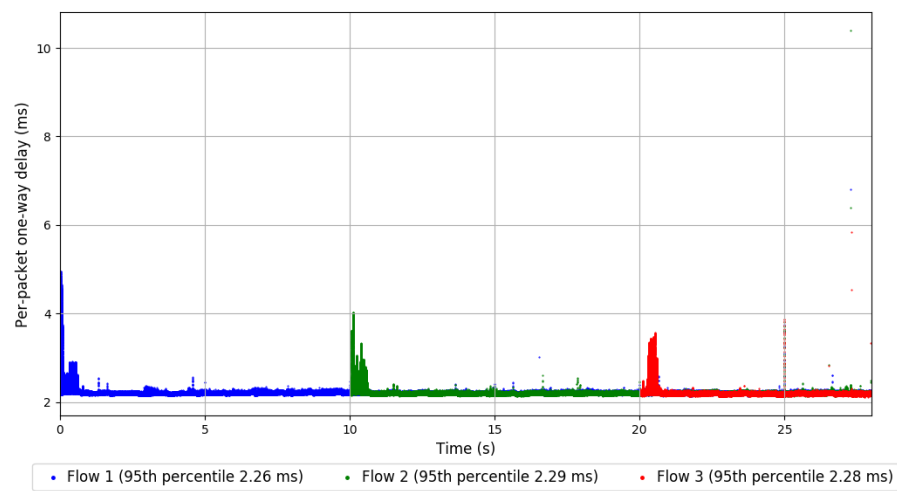
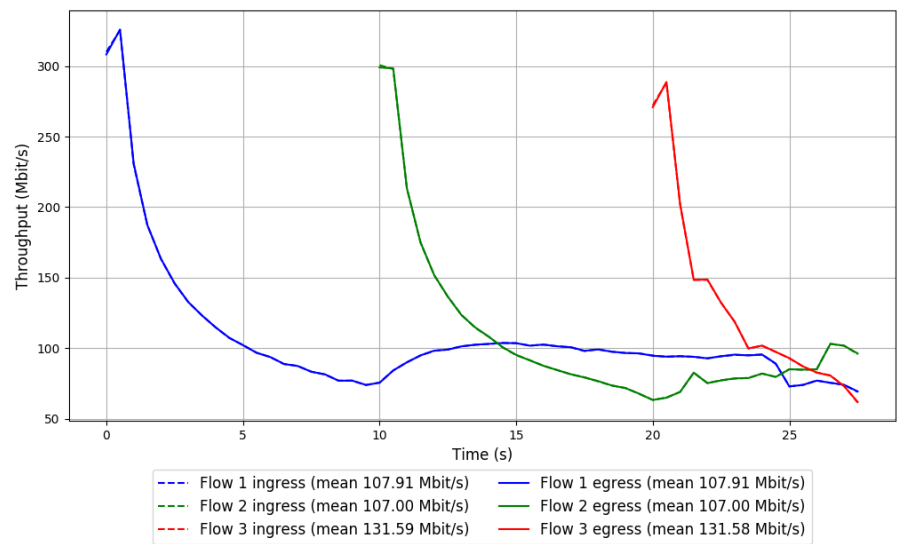
Average throughput: 131.58 Mbit/s

95th percentile per-packet one-way delay: 2.279 ms

Loss rate: 0.00%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-10-12 09:27:05

End at: 2017-10-12 09:27:35

Local clock offset: -0.115 ms

Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-10-12 14:12:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 216.22 Mbit/s

95th percentile per-packet one-way delay: 2.264 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 105.27 Mbit/s

95th percentile per-packet one-way delay: 2.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 114.83 Mbit/s

95th percentile per-packet one-way delay: 2.254 ms

Loss rate: 0.00%

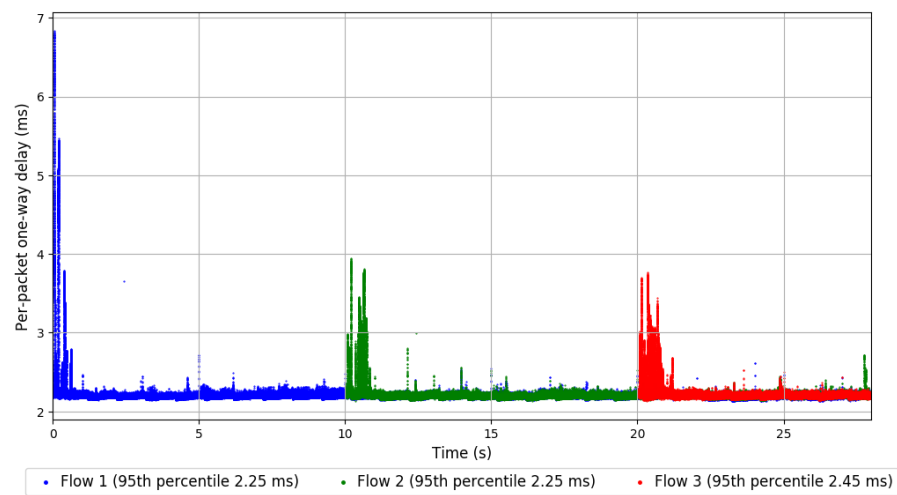
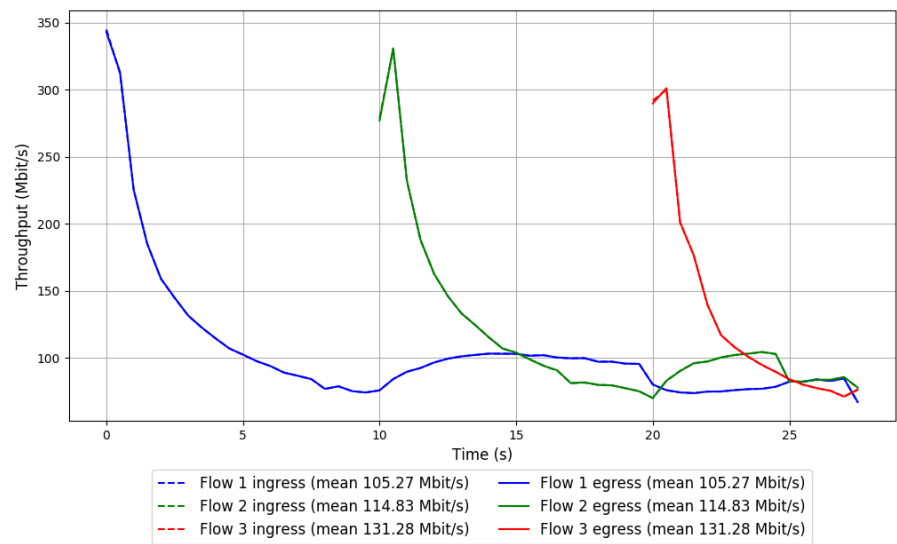
-- Flow 3:

Average throughput: 131.28 Mbit/s

95th percentile per-packet one-way delay: 2.449 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-10-12 09:47:17

End at: 2017-10-12 09:47:47

Local clock offset: -0.1 ms

Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2017-10-12 14:12:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 218.77 Mbit/s

95th percentile per-packet one-way delay: 2.306 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 108.82 Mbit/s

95th percentile per-packet one-way delay: 2.301 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.29 Mbit/s

95th percentile per-packet one-way delay: 2.303 ms

Loss rate: 0.00%

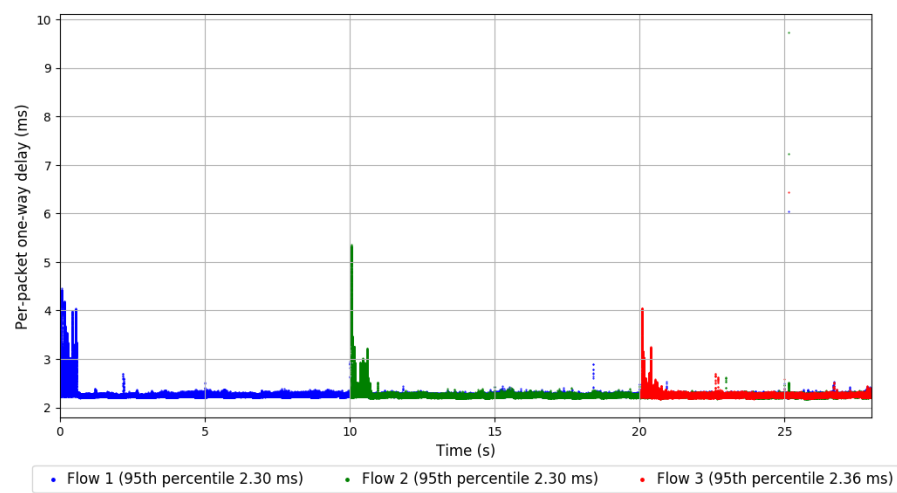
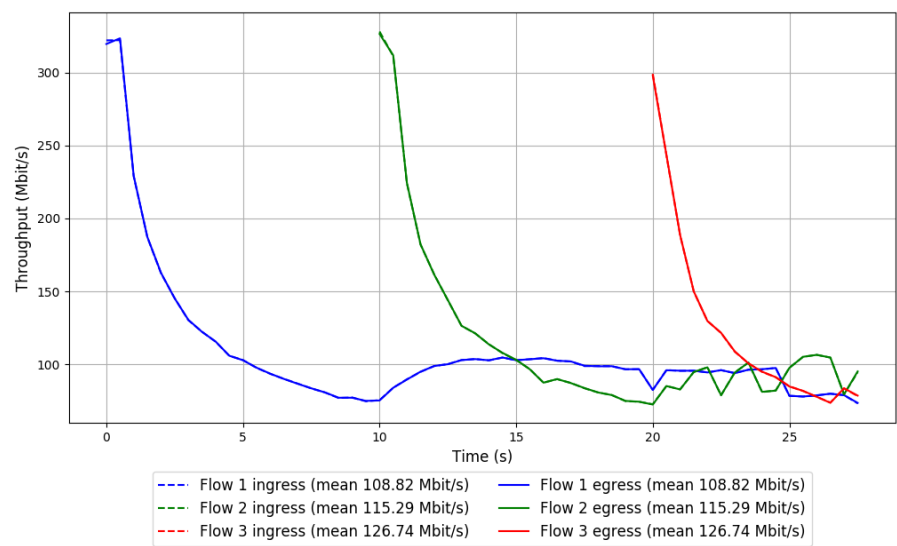
-- Flow 3:

Average throughput: 126.74 Mbit/s

95th percentile per-packet one-way delay: 2.359 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-10-12 10:07:20

End at: 2017-10-12 10:07:50

Local clock offset: -0.016 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2017-10-12 14:12:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 214.89 Mbit/s

95th percentile per-packet one-way delay: 2.259 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.19 Mbit/s

95th percentile per-packet one-way delay: 2.254 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 105.63 Mbit/s

95th percentile per-packet one-way delay: 2.242 ms

Loss rate: 0.00%

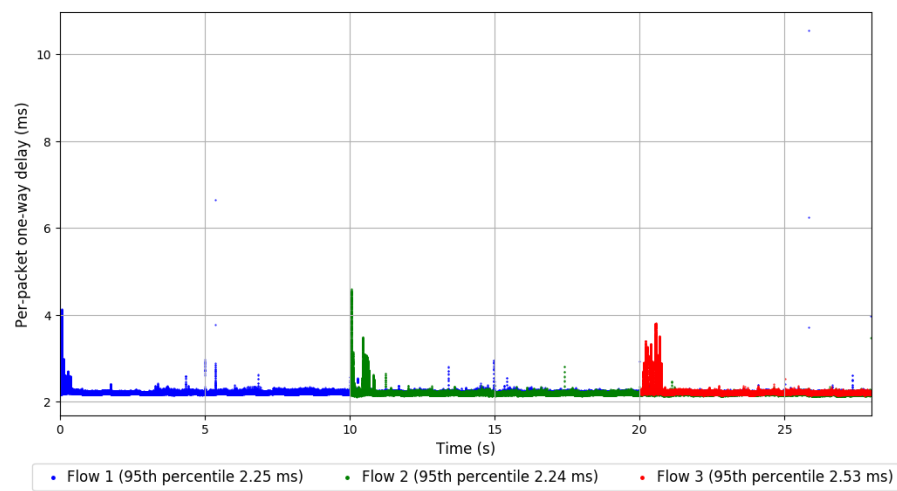
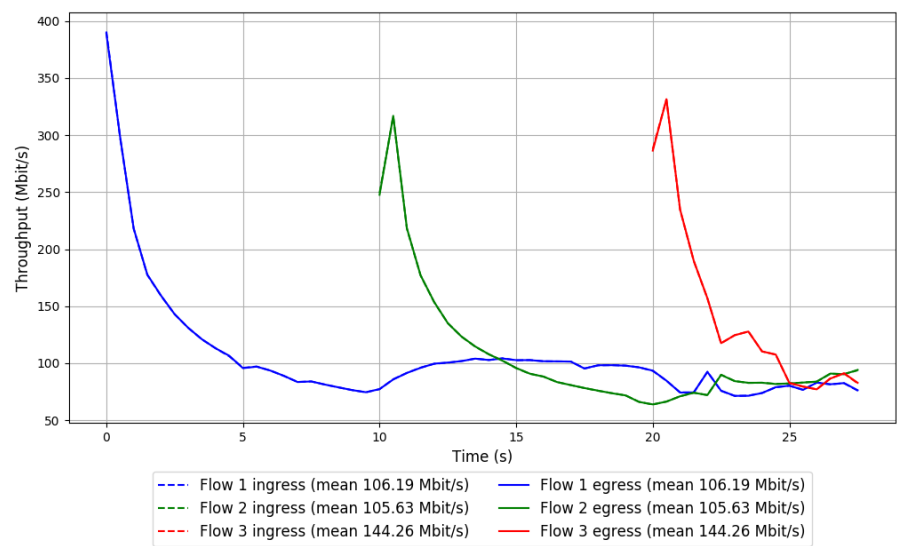
-- Flow 3:

Average throughput: 144.26 Mbit/s

95th percentile per-packet one-way delay: 2.526 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



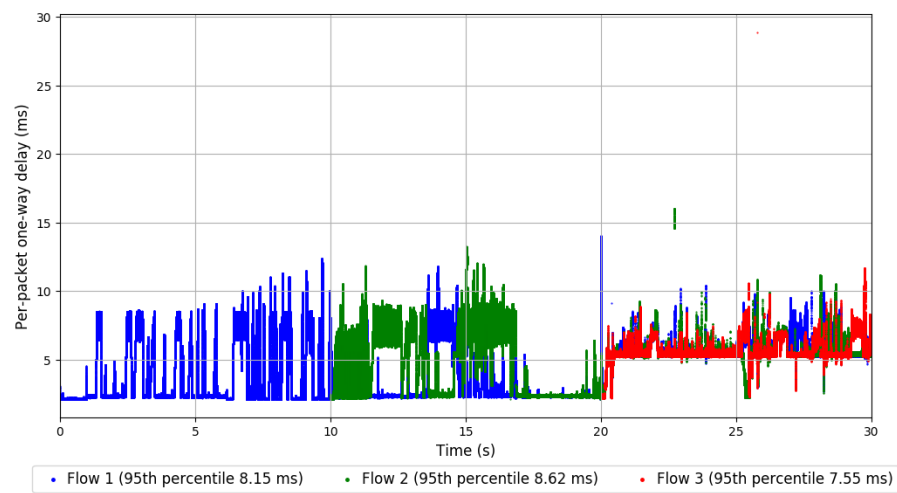
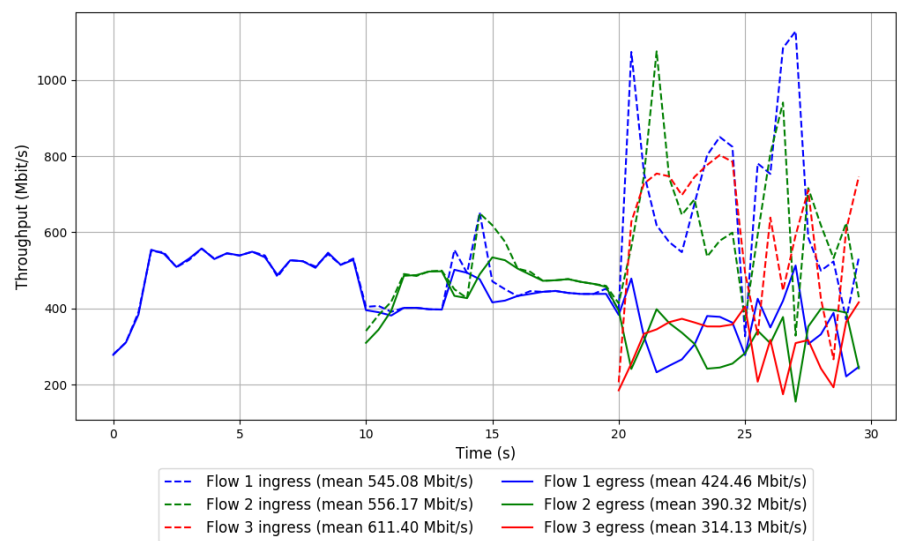
Run 1: Statistics of CalibratedKoho

Start at: 2017-10-12 07:02:13  
End at: 2017-10-12 07:02:43  
Local clock offset: -0.368 ms  
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2017-10-12 14:19:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 788.32 Mbit/s  
95th percentile per-packet one-way delay: 8.258 ms  
Loss rate: 29.50%  
-- Flow 1:  
Average throughput: 424.46 Mbit/s  
95th percentile per-packet one-way delay: 8.152 ms  
Loss rate: 22.15%  
-- Flow 2:  
Average throughput: 390.32 Mbit/s  
95th percentile per-packet one-way delay: 8.615 ms  
Loss rate: 29.85%  
-- Flow 3:  
Average throughput: 314.13 Mbit/s  
95th percentile per-packet one-way delay: 7.546 ms  
Loss rate: 48.66%



Run 1: Report of CalibratedKoho — Data Link

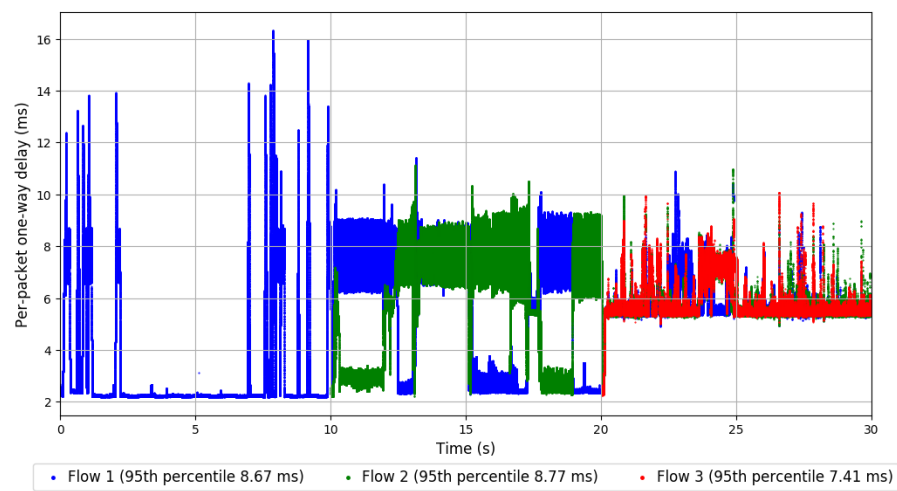
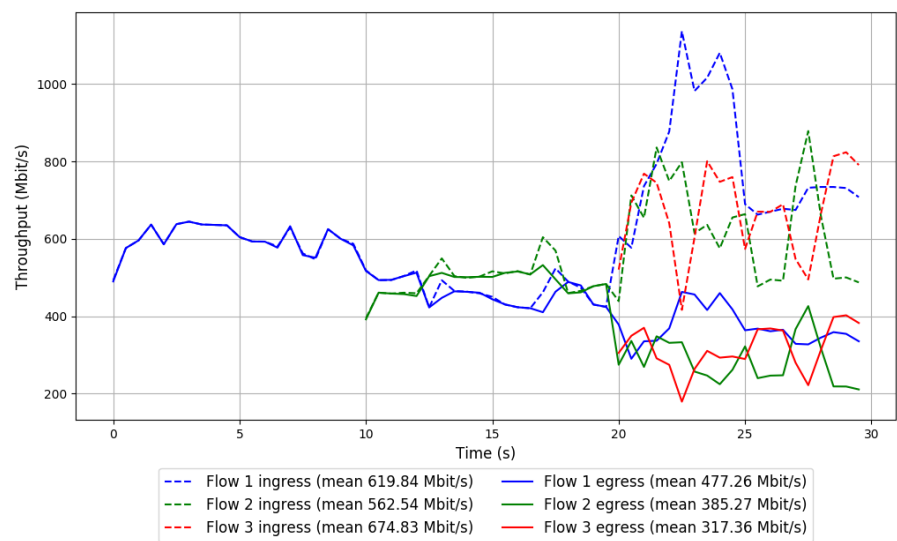


Run 2: Statistics of CalibratedKoho

Start at: 2017-10-12 07:22:23  
End at: 2017-10-12 07:22:53  
Local clock offset: -0.384 ms  
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2017-10-12 14:20:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 839.24 Mbit/s  
95th percentile per-packet one-way delay: 8.653 ms  
Loss rate: 31.12%  
-- Flow 1:  
Average throughput: 477.26 Mbit/s  
95th percentile per-packet one-way delay: 8.670 ms  
Loss rate: 23.00%  
-- Flow 2:  
Average throughput: 385.27 Mbit/s  
95th percentile per-packet one-way delay: 8.774 ms  
Loss rate: 31.50%  
-- Flow 3:  
Average throughput: 317.36 Mbit/s  
95th percentile per-packet one-way delay: 7.412 ms  
Loss rate: 52.96%

Run 2: Report of CalibratedKoho — Data Link

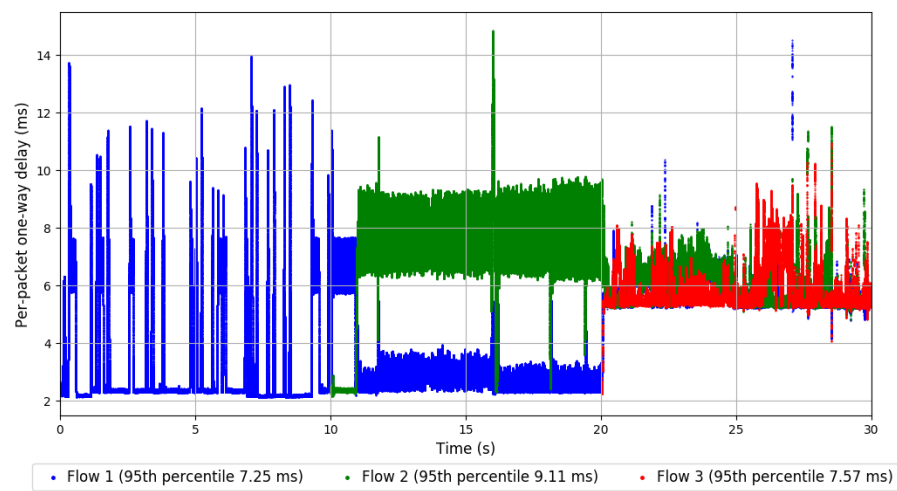
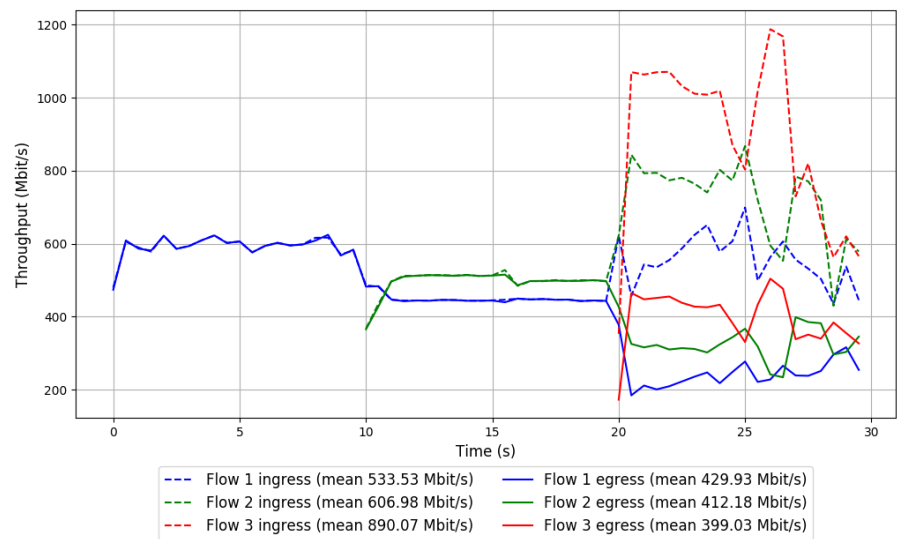


Run 3: Statistics of CalibratedKoho

Start at: 2017-10-12 07:42:48  
End at: 2017-10-12 07:43:18  
Local clock offset: -0.384 ms  
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2017-10-12 14:24:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 836.93 Mbit/s  
95th percentile per-packet one-way delay: 8.736 ms  
Loss rate: 32.13%  
-- Flow 1:  
Average throughput: 429.93 Mbit/s  
95th percentile per-packet one-way delay: 7.245 ms  
Loss rate: 19.41%  
-- Flow 2:  
Average throughput: 412.18 Mbit/s  
95th percentile per-packet one-way delay: 9.105 ms  
Loss rate: 32.08%  
-- Flow 3:  
Average throughput: 399.03 Mbit/s  
95th percentile per-packet one-way delay: 7.574 ms  
Loss rate: 55.16%

Run 3: Report of CalibratedKoho — Data Link

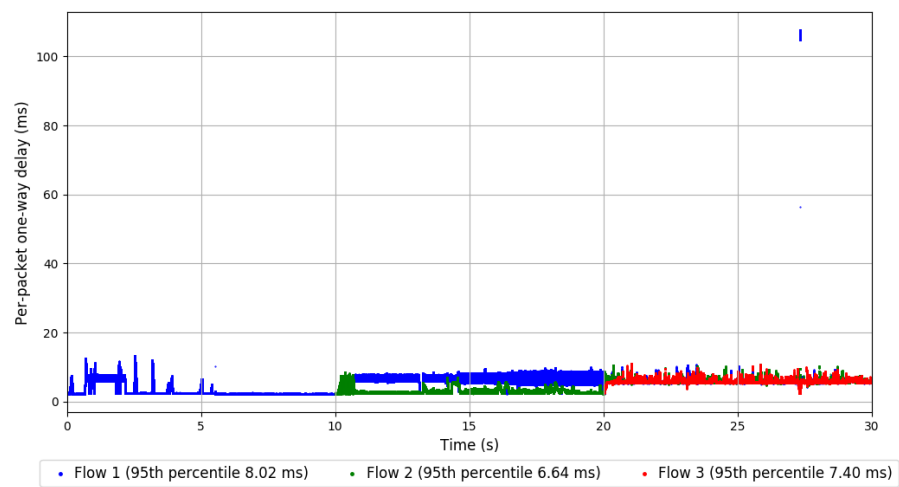
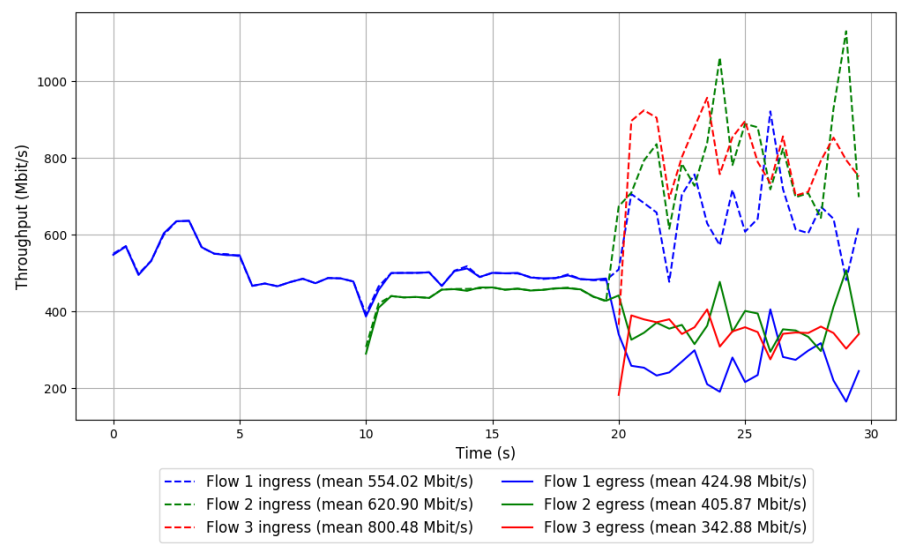


Run 4: Statistics of CalibratedKoho

Start at: 2017-10-12 08:03:01  
End at: 2017-10-12 08:03:31  
Local clock offset: -0.373 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2017-10-12 14:24:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 809.10 Mbit/s  
95th percentile per-packet one-way delay: 7.702 ms  
Loss rate: 34.38%  
-- Flow 1:  
Average throughput: 424.98 Mbit/s  
95th percentile per-packet one-way delay: 8.015 ms  
Loss rate: 23.28%  
-- Flow 2:  
Average throughput: 405.87 Mbit/s  
95th percentile per-packet one-way delay: 6.643 ms  
Loss rate: 34.62%  
-- Flow 3:  
Average throughput: 342.88 Mbit/s  
95th percentile per-packet one-way delay: 7.396 ms  
Loss rate: 57.15%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: 2017-10-12 08:23:20

End at: 2017-10-12 08:23:50

Local clock offset: -0.346 ms

Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2017-10-12 14:25:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 817.45 Mbit/s

95th percentile per-packet one-way delay: 8.502 ms

Loss rate: 32.25%

-- Flow 1:

Average throughput: 472.23 Mbit/s

95th percentile per-packet one-way delay: 8.379 ms

Loss rate: 20.28%

-- Flow 2:

Average throughput: 359.77 Mbit/s

95th percentile per-packet one-way delay: 8.808 ms

Loss rate: 37.05%

-- Flow 3:

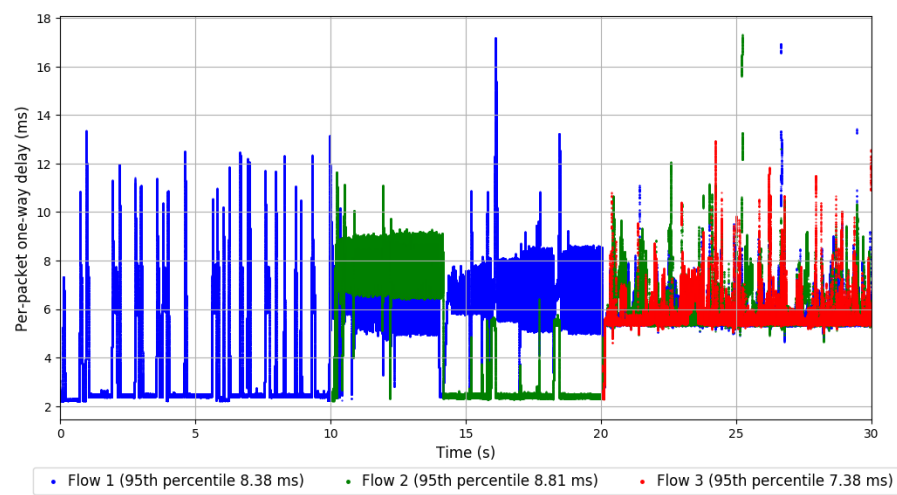
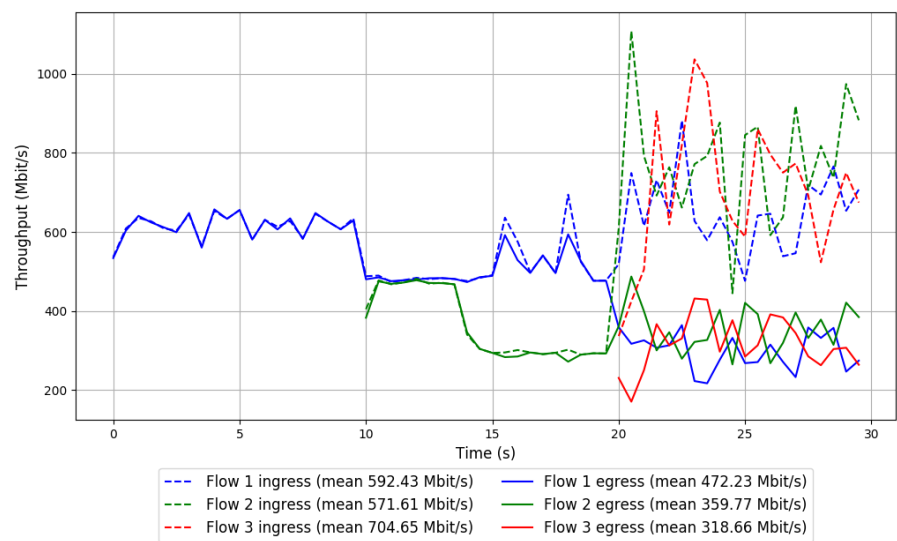
Average throughput: 318.66 Mbit/s

95th percentile per-packet one-way delay: 7.379 ms

Loss rate: 54.77%



Run 5: Report of CalibratedKoho — Data Link

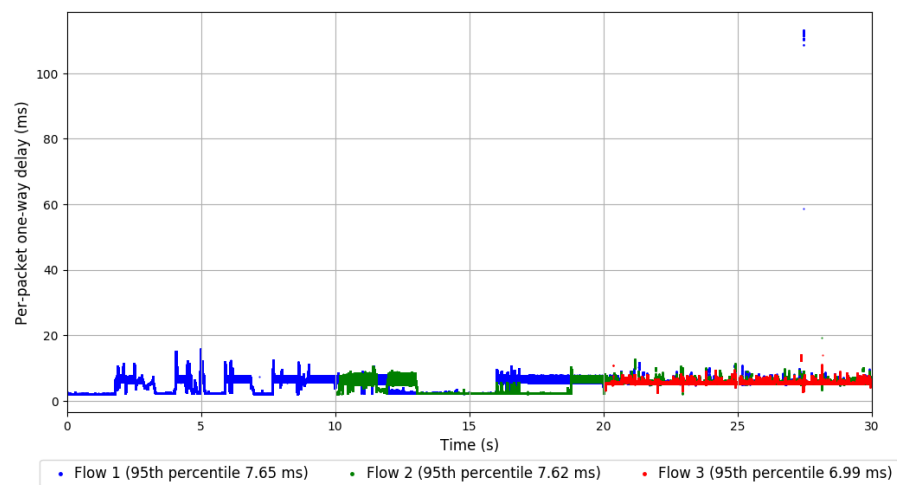
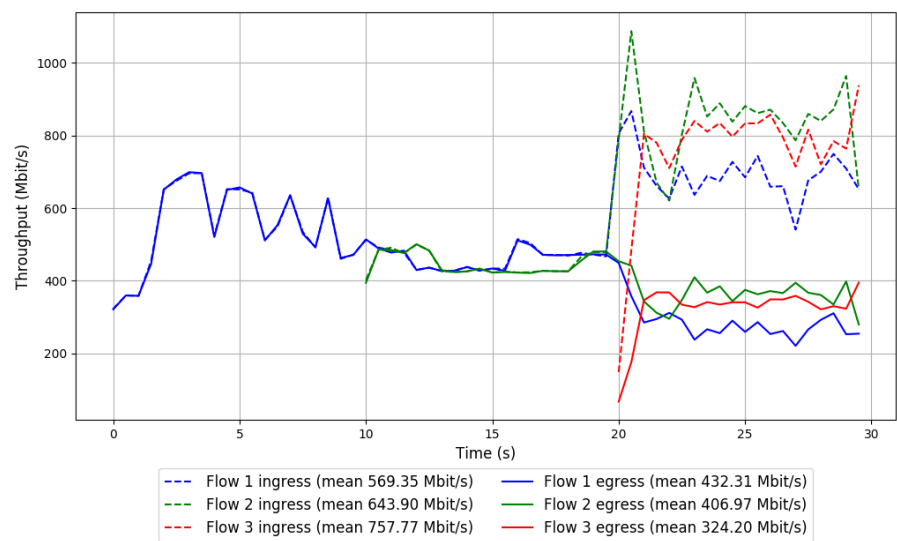


Run 6: Statistics of CalibratedKoho

Start at: 2017-10-12 08:43:32  
End at: 2017-10-12 08:44:02  
Local clock offset: -0.245 ms  
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2017-10-12 14:25:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 810.56 Mbit/s  
95th percentile per-packet one-way delay: 7.598 ms  
Loss rate: 35.09%  
-- Flow 1:  
Average throughput: 432.31 Mbit/s  
95th percentile per-packet one-way delay: 7.646 ms  
Loss rate: 24.06%  
-- Flow 2:  
Average throughput: 406.97 Mbit/s  
95th percentile per-packet one-way delay: 7.620 ms  
Loss rate: 36.79%  
-- Flow 3:  
Average throughput: 324.20 Mbit/s  
95th percentile per-packet one-way delay: 6.988 ms  
Loss rate: 57.21%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-10-12 09:03:48

End at: 2017-10-12 09:04:18

Local clock offset: -0.239 ms

Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2017-10-12 14:25:59

# Datalink statistics

-- Total of 3 flows:

Average throughput: 829.69 Mbit/s

95th percentile per-packet one-way delay: 8.604 ms

Loss rate: 33.15%

-- Flow 1:

Average throughput: 466.11 Mbit/s

95th percentile per-packet one-way delay: 8.647 ms

Loss rate: 23.91%

-- Flow 2:

Average throughput: 383.43 Mbit/s

95th percentile per-packet one-way delay: 8.703 ms

Loss rate: 35.53%

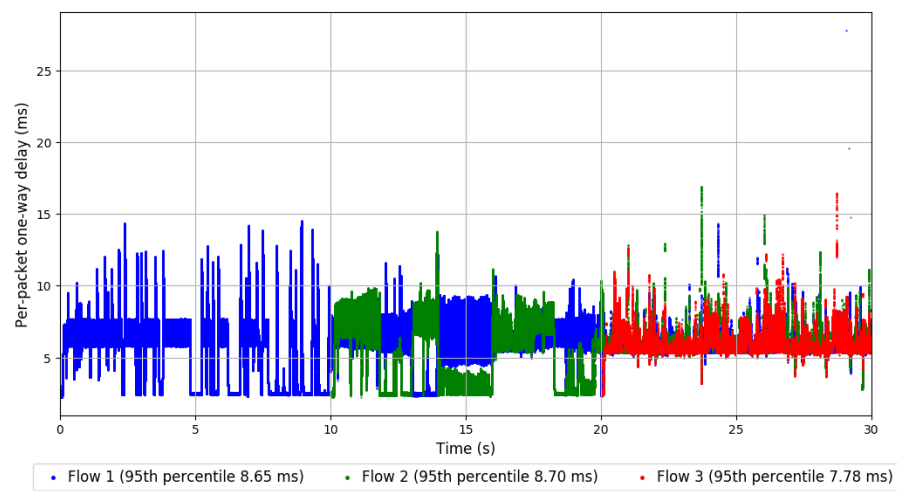
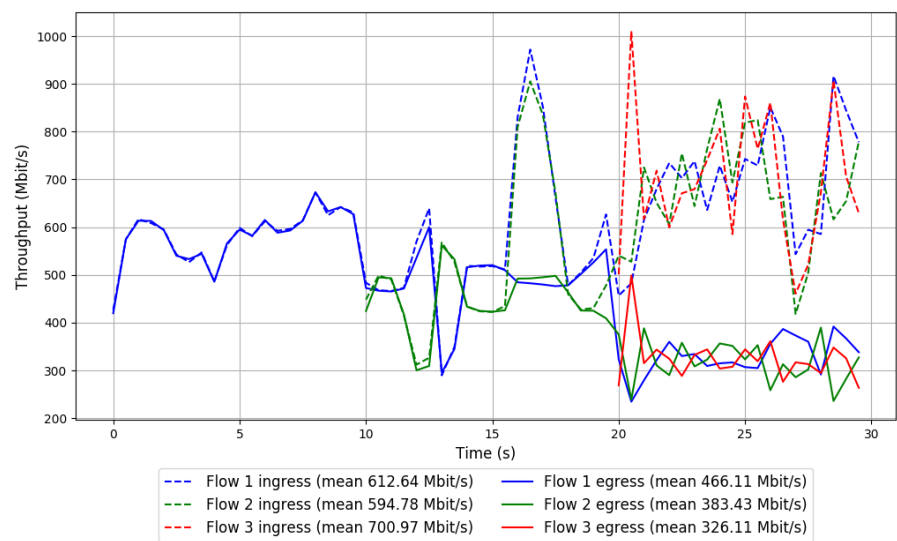
-- Flow 3:

Average throughput: 326.11 Mbit/s

95th percentile per-packet one-way delay: 7.781 ms

Loss rate: 53.46%

Run 7: Report of CalibratedKoho — Data Link

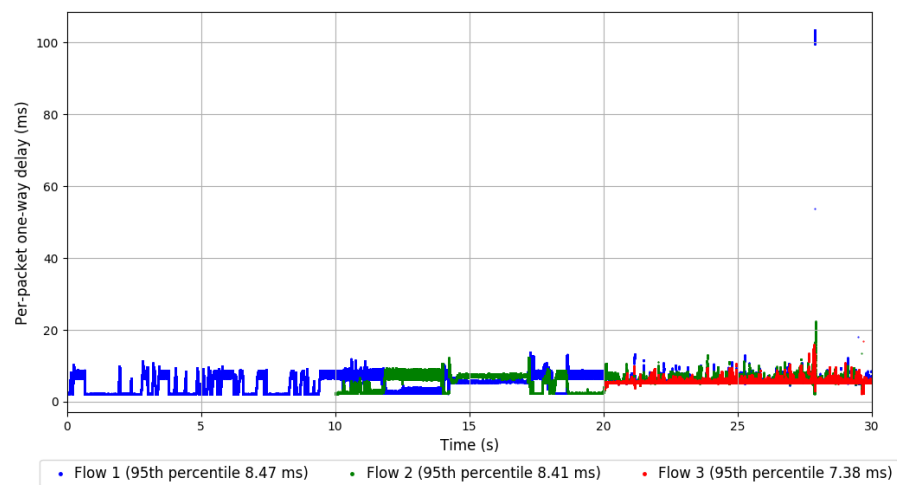
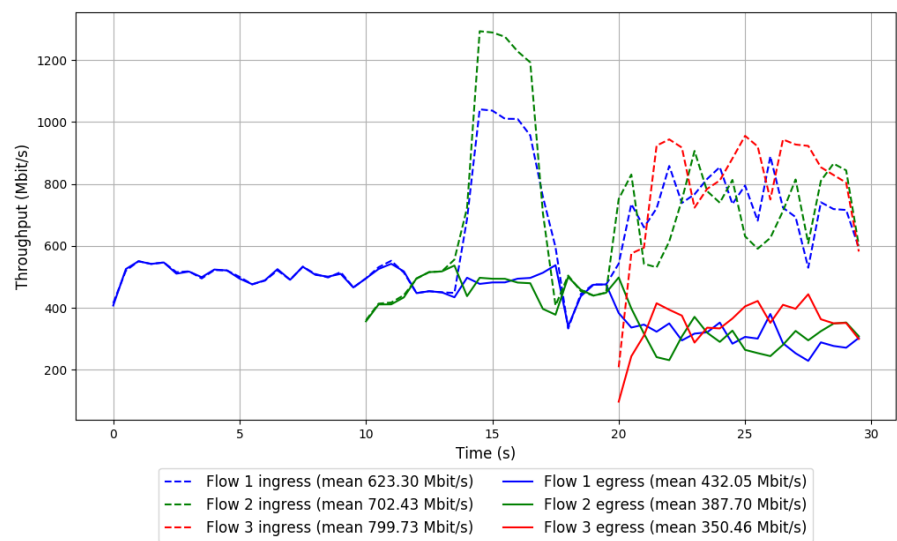


Run 8: Statistics of CalibratedKoho

Start at: 2017-10-12 09:24:05  
End at: 2017-10-12 09:24:35  
Local clock offset: -0.119 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2017-10-12 14:26:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 806.06 Mbit/s  
95th percentile per-packet one-way delay: 8.426 ms  
Loss rate: 40.52%  
-- Flow 1:  
Average throughput: 432.05 Mbit/s  
95th percentile per-packet one-way delay: 8.472 ms  
Loss rate: 30.67%  
-- Flow 2:  
Average throughput: 387.70 Mbit/s  
95th percentile per-packet one-way delay: 8.409 ms  
Loss rate: 44.80%  
-- Flow 3:  
Average throughput: 350.46 Mbit/s  
95th percentile per-packet one-way delay: 7.375 ms  
Loss rate: 56.17%

Run 8: Report of CalibratedKoho — Data Link



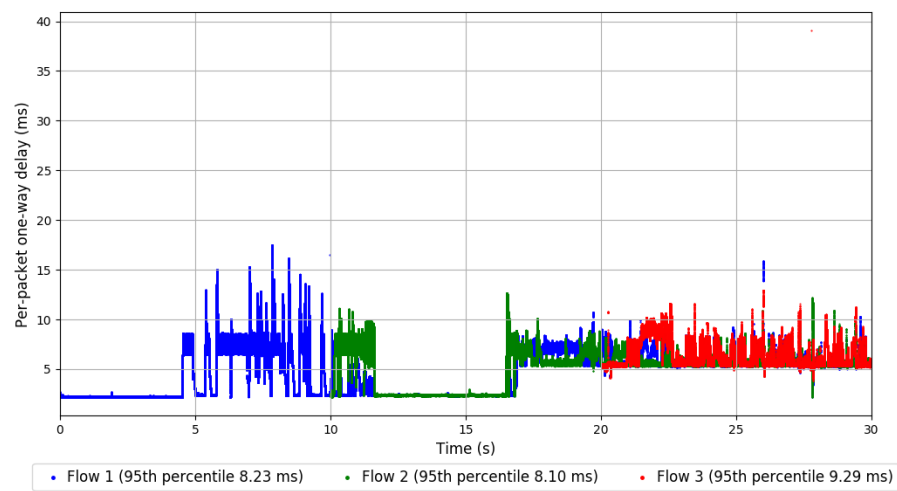
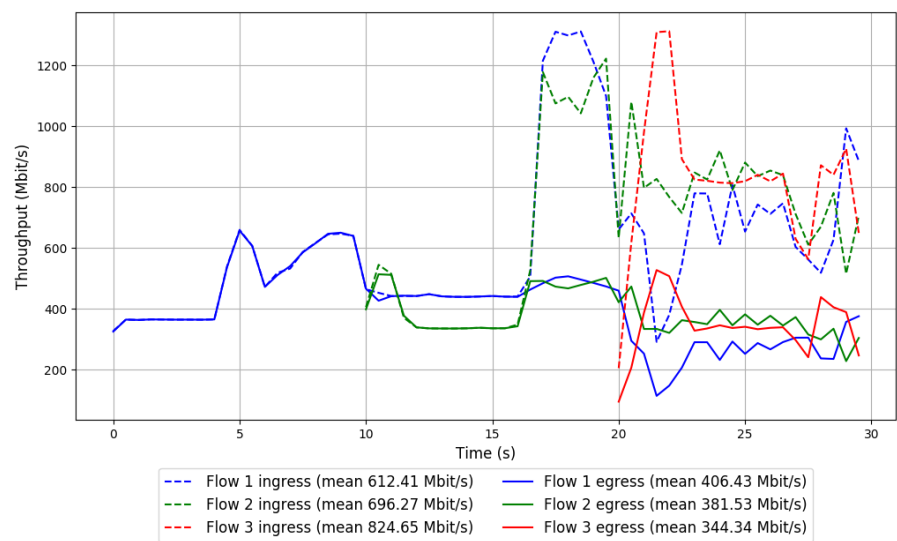
Run 9: Statistics of CalibratedKoho

Start at: 2017-10-12 09:44:18  
End at: 2017-10-12 09:44:48  
Local clock offset: -0.089 ms  
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2017-10-12 14:34:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 774.79 Mbit/s  
95th percentile per-packet one-way delay: 8.449 ms  
Loss rate: 42.59%  
-- Flow 1:  
Average throughput: 406.43 Mbit/s  
95th percentile per-packet one-way delay: 8.230 ms  
Loss rate: 33.63%  
-- Flow 2:  
Average throughput: 381.53 Mbit/s  
95th percentile per-packet one-way delay: 8.102 ms  
Loss rate: 45.19%  
-- Flow 3:  
Average throughput: 344.34 Mbit/s  
95th percentile per-packet one-way delay: 9.292 ms  
Loss rate: 58.24%



Run 9: Report of CalibratedKoho — Data Link

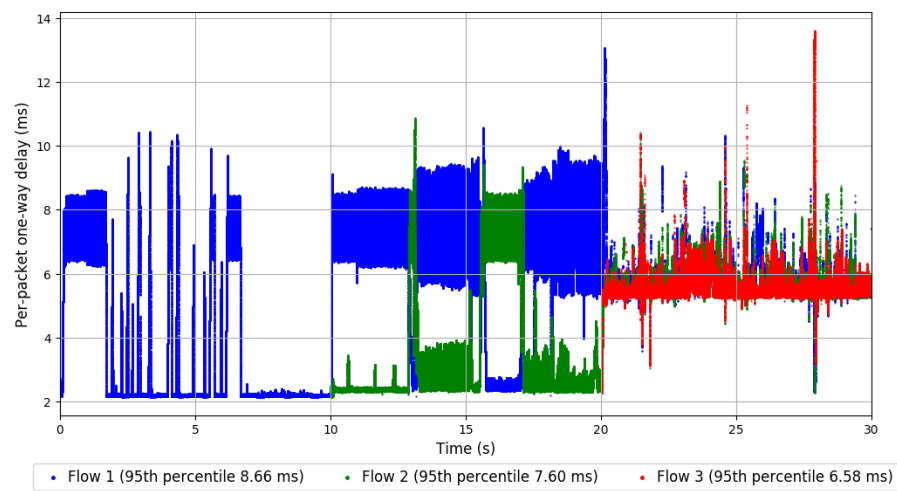
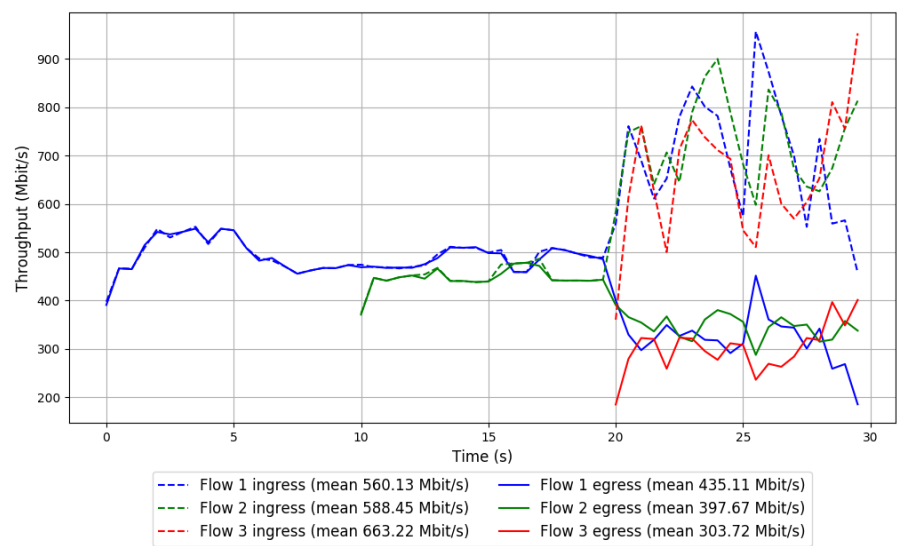


Run 10: Statistics of CalibratedKoho

Start at: 2017-10-12 10:04:22  
End at: 2017-10-12 10:04:52  
Local clock offset: -0.05 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-10-12 14:34:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 800.70 Mbit/s  
95th percentile per-packet one-way delay: 8.393 ms  
Loss rate: 31.68%  
-- Flow 1:  
Average throughput: 435.11 Mbit/s  
95th percentile per-packet one-way delay: 8.658 ms  
Loss rate: 22.31%  
-- Flow 2:  
Average throughput: 397.67 Mbit/s  
95th percentile per-packet one-way delay: 7.598 ms  
Loss rate: 32.40%  
-- Flow 3:  
Average throughput: 303.72 Mbit/s  
95th percentile per-packet one-way delay: 6.584 ms  
Loss rate: 54.20%

Run 10: Report of CalibratedKoho — Data Link

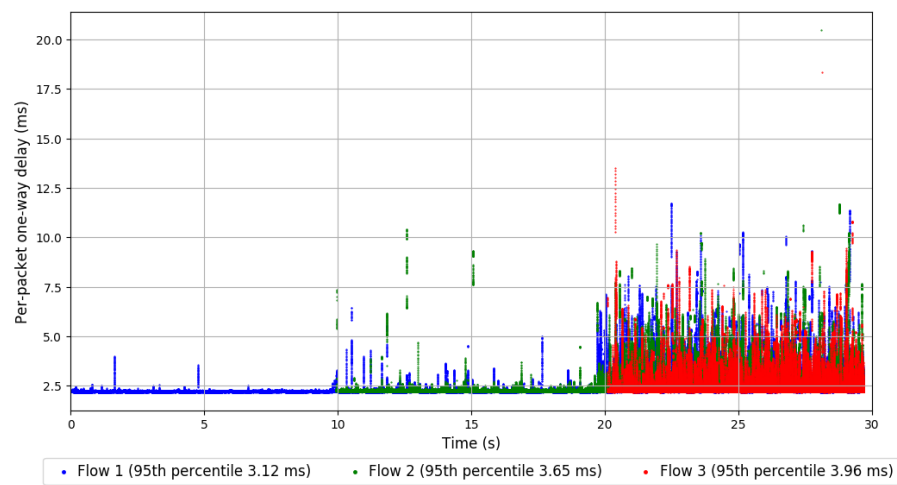
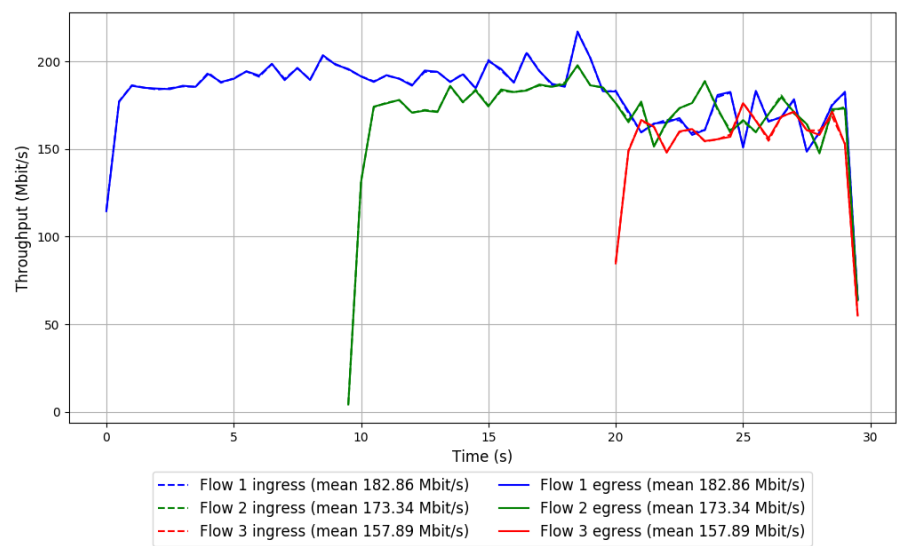


Run 1: Statistics of Indigo

Start at: 2017-10-12 06:56:12  
End at: 2017-10-12 06:56:42  
Local clock offset: -0.361 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-10-12 14:34:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 349.30 Mbit/s  
95th percentile per-packet one-way delay: 3.471 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 182.86 Mbit/s  
95th percentile per-packet one-way delay: 3.117 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 173.34 Mbit/s  
95th percentile per-packet one-way delay: 3.649 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 157.89 Mbit/s  
95th percentile per-packet one-way delay: 3.961 ms  
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

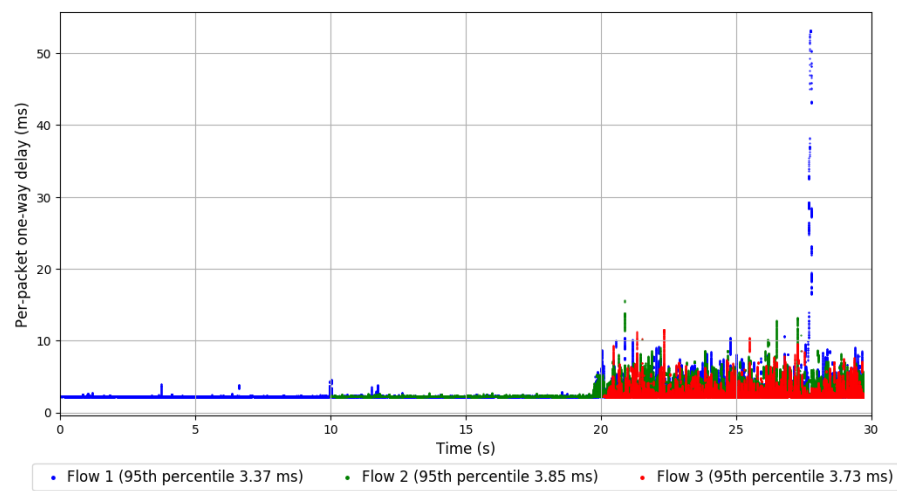
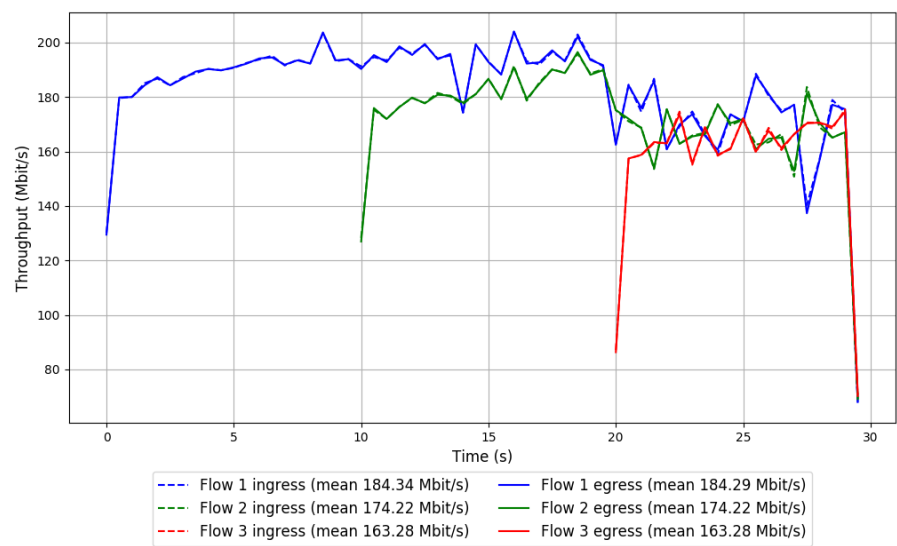


Run 2: Statistics of Indigo

Start at: 2017-10-12 07:16:19  
End at: 2017-10-12 07:16:49  
Local clock offset: -0.443 ms  
Remote clock offset: -0.293 ms

# Below is generated by plot.py at 2017-10-12 14:34:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 352.49 Mbit/s  
95th percentile per-packet one-way delay: 3.594 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 184.29 Mbit/s  
95th percentile per-packet one-way delay: 3.366 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 174.22 Mbit/s  
95th percentile per-packet one-way delay: 3.855 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 163.28 Mbit/s  
95th percentile per-packet one-way delay: 3.732 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



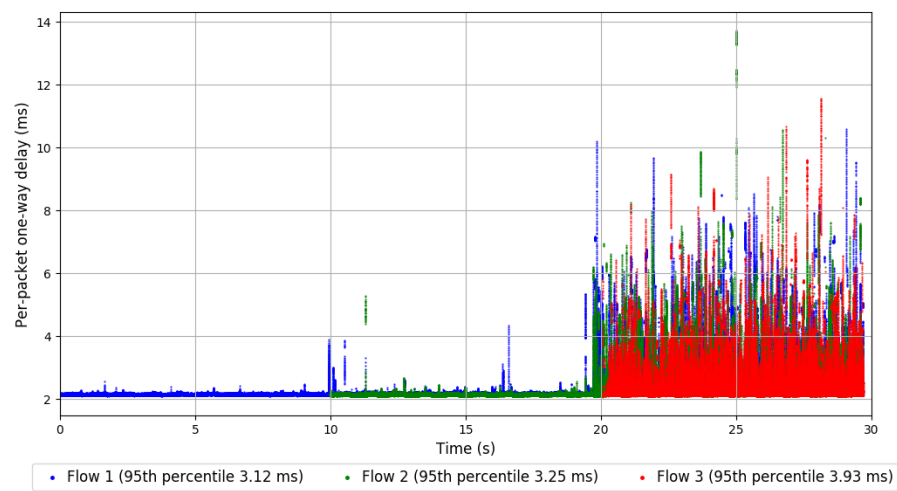
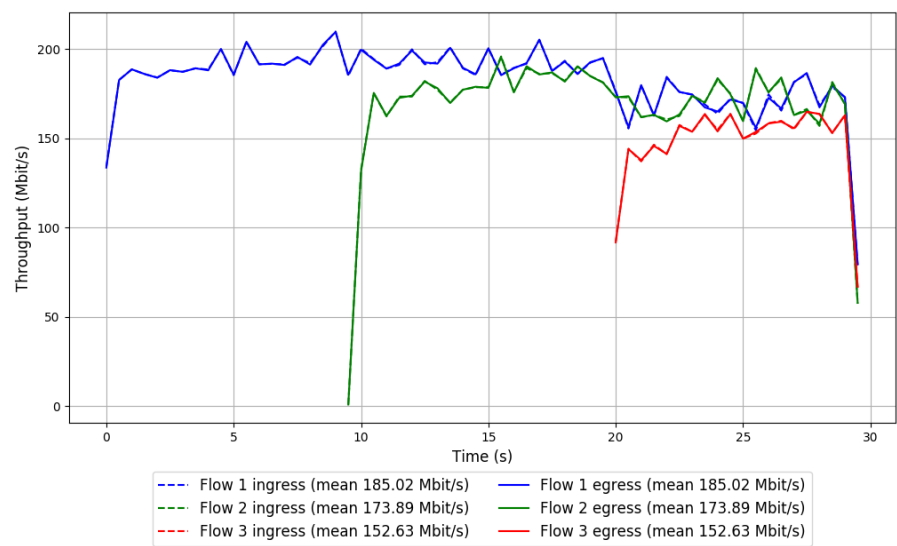
Run 3: Statistics of Indigo

Start at: 2017-10-12 07:36:43  
End at: 2017-10-12 07:37:13  
Local clock offset: -0.354 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-10-12 14:34:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 350.00 Mbit/s  
95th percentile per-packet one-way delay: 3.343 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 185.02 Mbit/s  
95th percentile per-packet one-way delay: 3.121 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 173.89 Mbit/s  
95th percentile per-packet one-way delay: 3.254 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 152.63 Mbit/s  
95th percentile per-packet one-way delay: 3.927 ms  
Loss rate: 0.00%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-10-12 07:57:01

End at: 2017-10-12 07:57:31

Local clock offset: -0.371 ms

Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2017-10-12 14:34:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 352.30 Mbit/s

95th percentile per-packet one-way delay: 3.378 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 183.31 Mbit/s

95th percentile per-packet one-way delay: 3.180 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 177.82 Mbit/s

95th percentile per-packet one-way delay: 3.111 ms

Loss rate: 0.00%

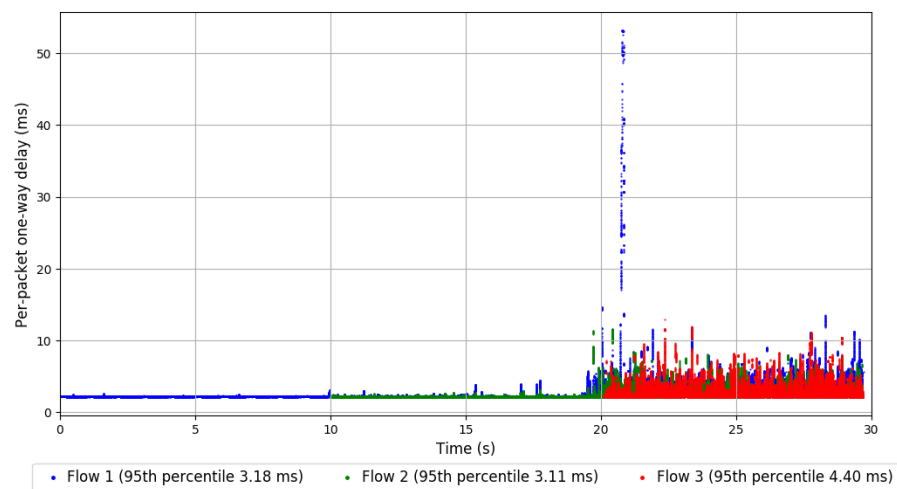
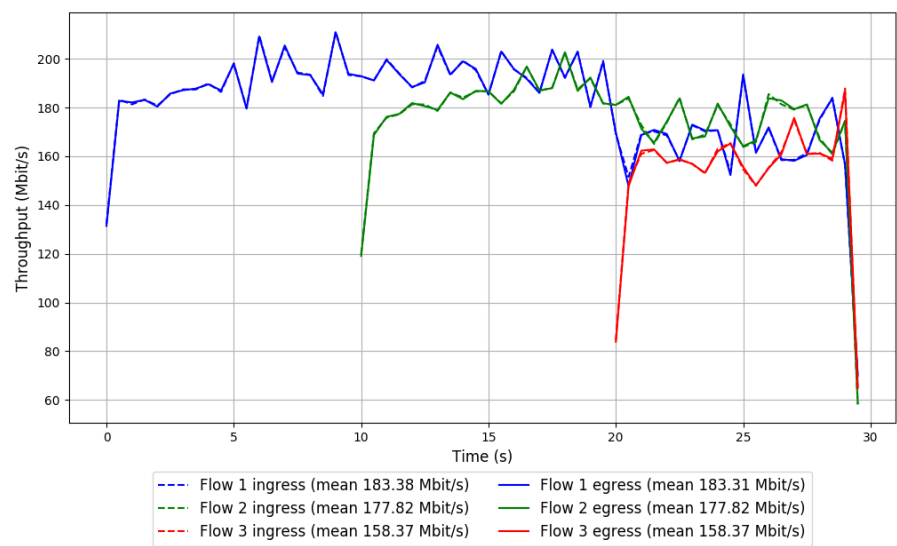
-- Flow 3:

Average throughput: 158.37 Mbit/s

95th percentile per-packet one-way delay: 4.401 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-10-12 08:17:14

End at: 2017-10-12 08:17:44

Local clock offset: -0.41 ms

Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2017-10-12 14:34:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 345.08 Mbit/s

95th percentile per-packet one-way delay: 3.240 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.54 Mbit/s

95th percentile per-packet one-way delay: 2.690 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.04 Mbit/s

95th percentile per-packet one-way delay: 3.482 ms

Loss rate: 0.00%

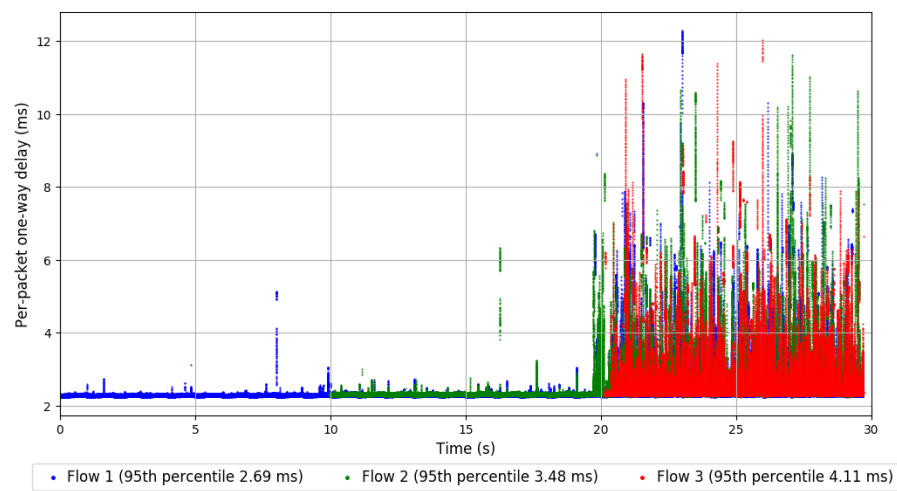
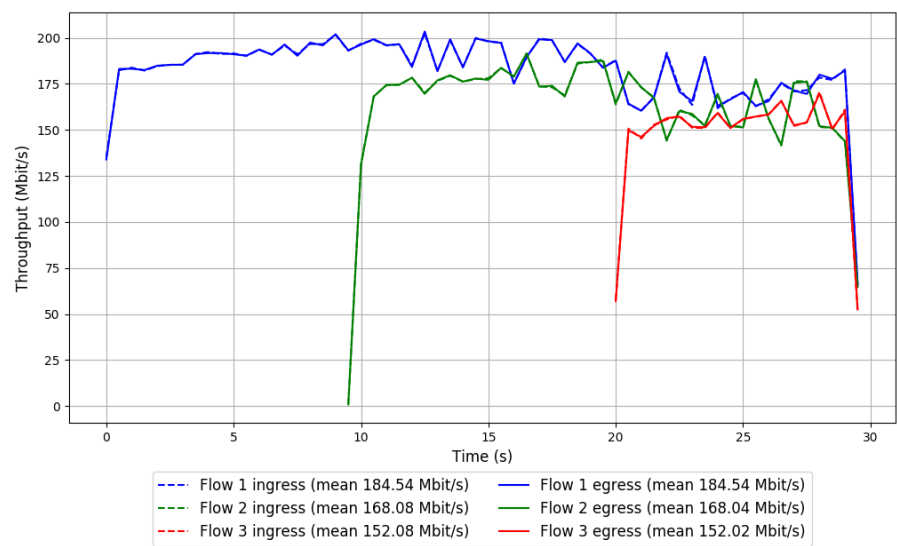
-- Flow 3:

Average throughput: 152.02 Mbit/s

95th percentile per-packet one-way delay: 4.110 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-10-12 08:37:37

End at: 2017-10-12 08:38:07

Local clock offset: -0.299 ms

Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2017-10-12 14:34:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 352.19 Mbit/s

95th percentile per-packet one-way delay: 3.528 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.38 Mbit/s

95th percentile per-packet one-way delay: 3.157 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.54 Mbit/s

95th percentile per-packet one-way delay: 3.689 ms

Loss rate: 0.00%

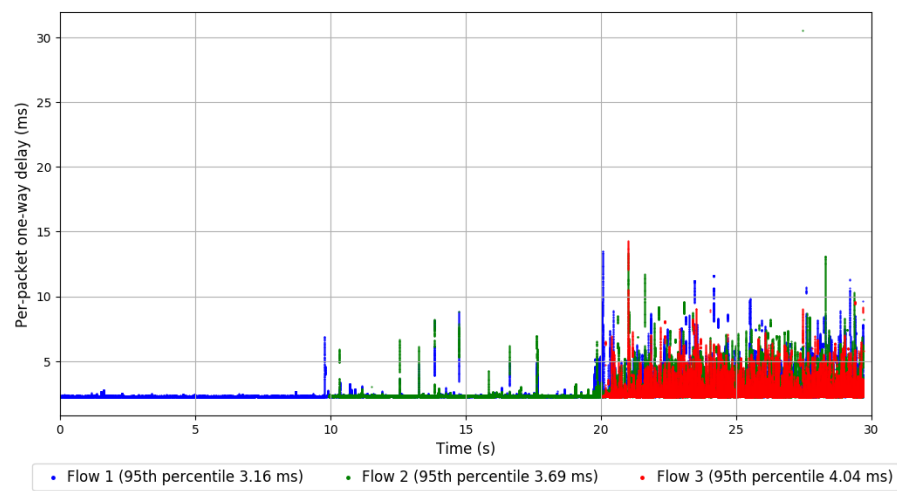
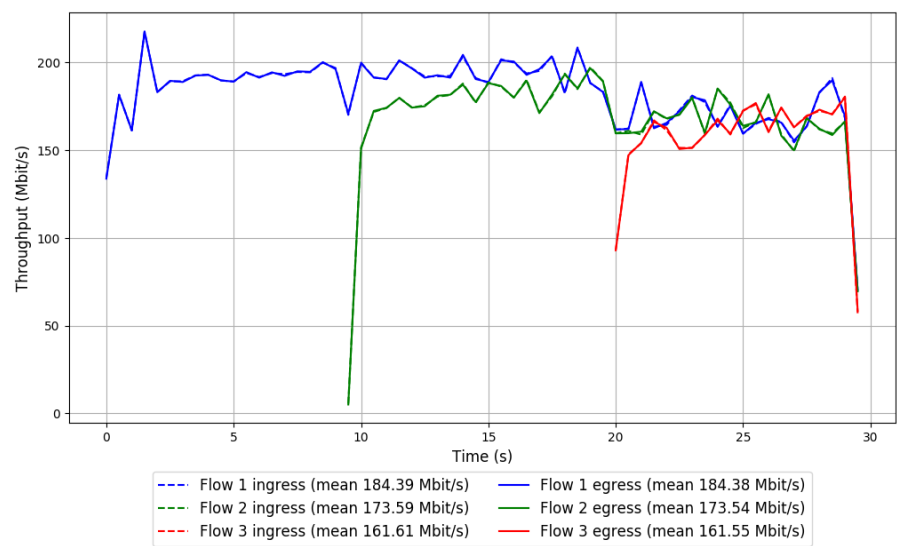
-- Flow 3:

Average throughput: 161.55 Mbit/s

95th percentile per-packet one-way delay: 4.044 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-10-12 08:57:49

End at: 2017-10-12 08:58:19

Local clock offset: -0.273 ms

Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2017-10-12 14:34:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 348.90 Mbit/s

95th percentile per-packet one-way delay: 3.326 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 183.04 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.30 Mbit/s

95th percentile per-packet one-way delay: 3.406 ms

Loss rate: 0.00%

-- Flow 3:

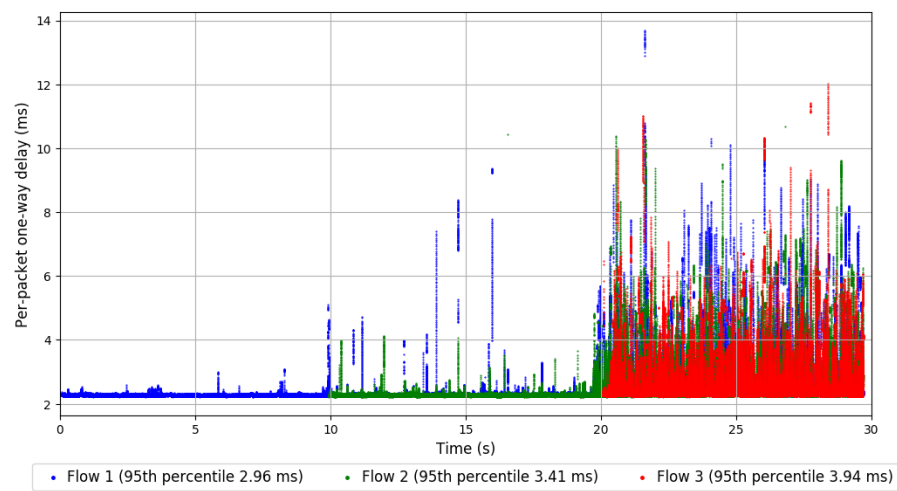
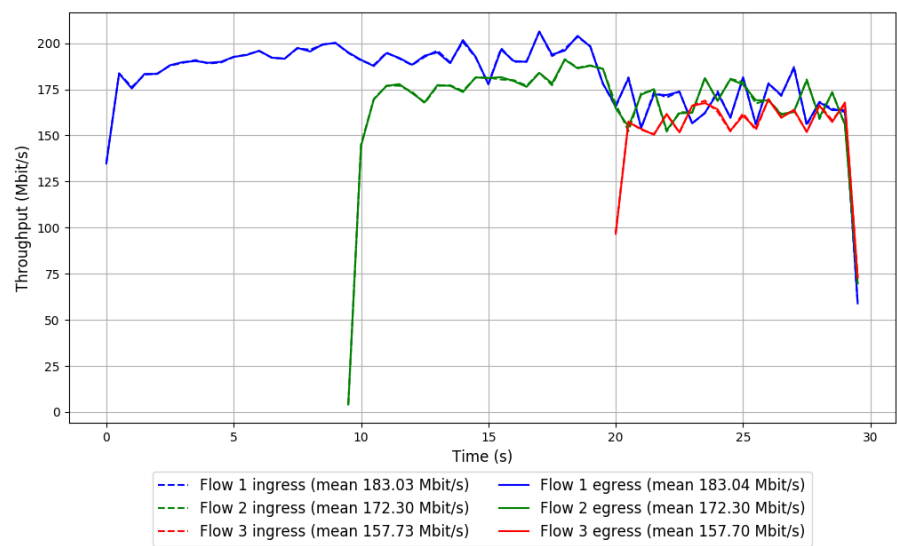
Average throughput: 157.70 Mbit/s

95th percentile per-packet one-way delay: 3.943 ms

Loss rate: 0.04%



Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-10-12 09:18:05

End at: 2017-10-12 09:18:35

Local clock offset: -0.143 ms

Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2017-10-12 14:34:20

# Datalink statistics

-- Total of 3 flows:

Average throughput: 346.54 Mbit/s

95th percentile per-packet one-way delay: 3.323 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.72 Mbit/s

95th percentile per-packet one-way delay: 2.877 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 169.82 Mbit/s

95th percentile per-packet one-way delay: 3.447 ms

Loss rate: 0.00%

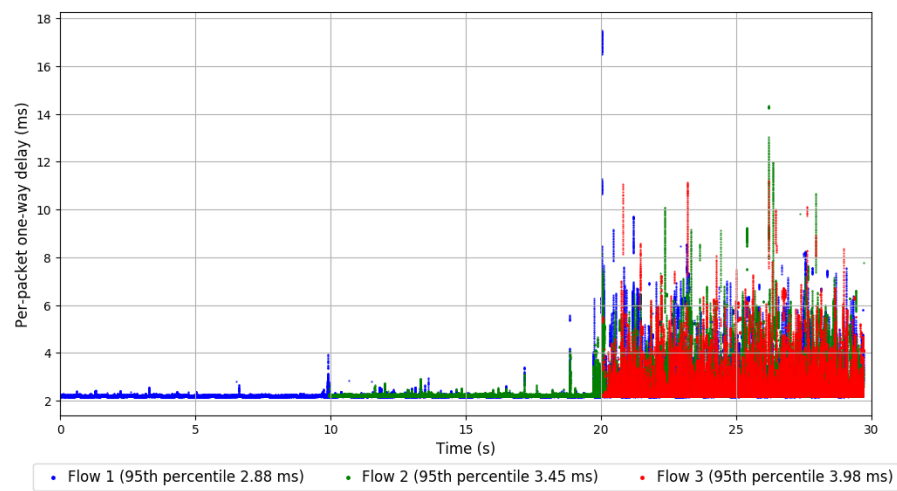
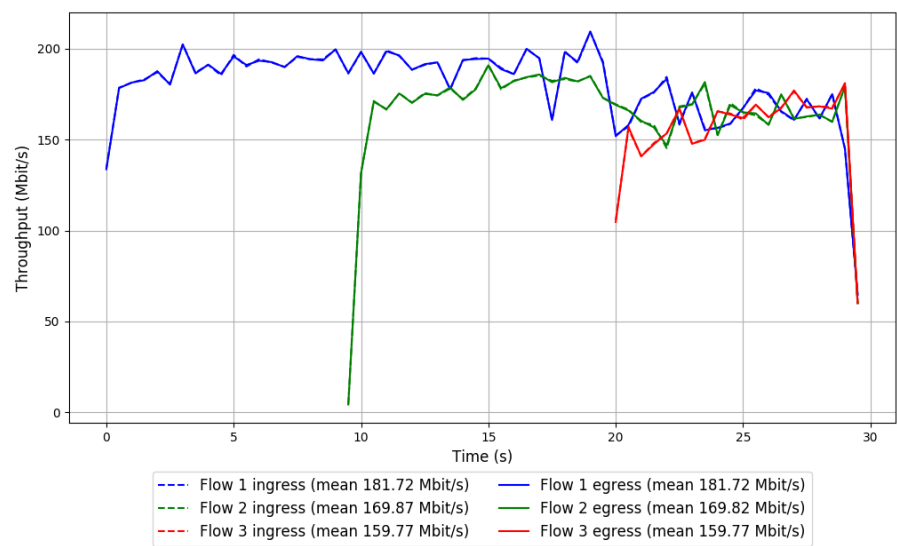
-- Flow 3:

Average throughput: 159.77 Mbit/s

95th percentile per-packet one-way delay: 3.985 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-10-12 09:38:22

End at: 2017-10-12 09:38:52

Local clock offset: -0.144 ms

Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2017-10-12 14:34:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 354.13 Mbit/s

95th percentile per-packet one-way delay: 3.682 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 185.76 Mbit/s

95th percentile per-packet one-way delay: 3.432 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 173.55 Mbit/s

95th percentile per-packet one-way delay: 3.908 ms

Loss rate: 0.00%

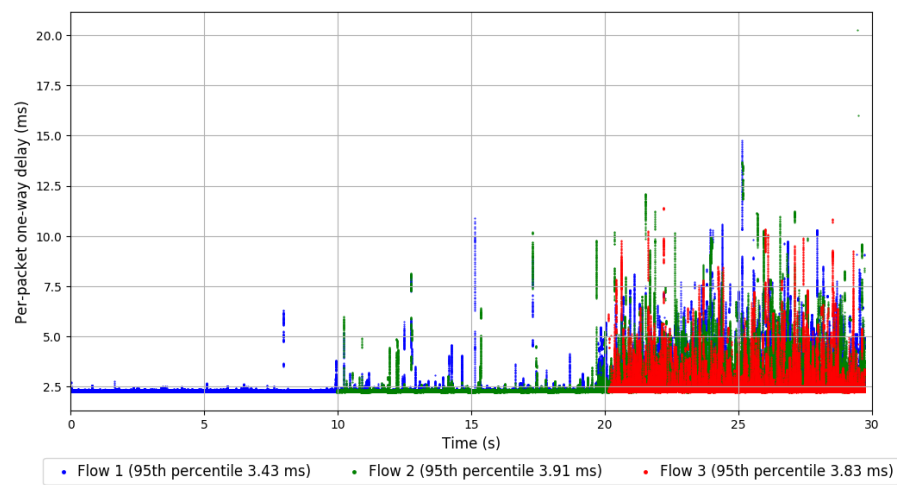
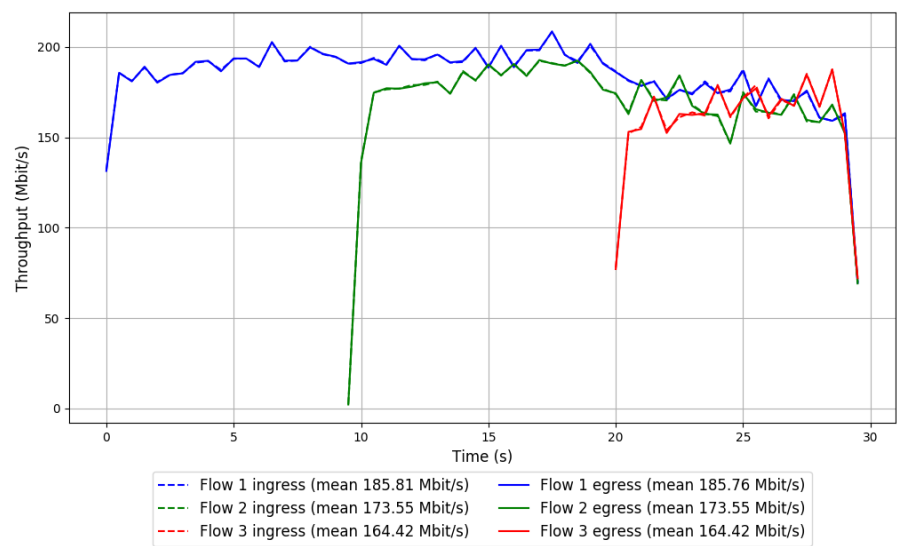
-- Flow 3:

Average throughput: 164.42 Mbit/s

95th percentile per-packet one-way delay: 3.830 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-10-12 09:58:26

End at: 2017-10-12 09:58:56

Local clock offset: -0.061 ms

Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-10-12 14:34:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 351.76 Mbit/s

95th percentile per-packet one-way delay: 3.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.58 Mbit/s

95th percentile per-packet one-way delay: 3.139 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 174.94 Mbit/s

95th percentile per-packet one-way delay: 3.803 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 156.92 Mbit/s

95th percentile per-packet one-way delay: 4.505 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

