

## Pantheon Report

Generated at 2017-12-01 03:55:36 (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).

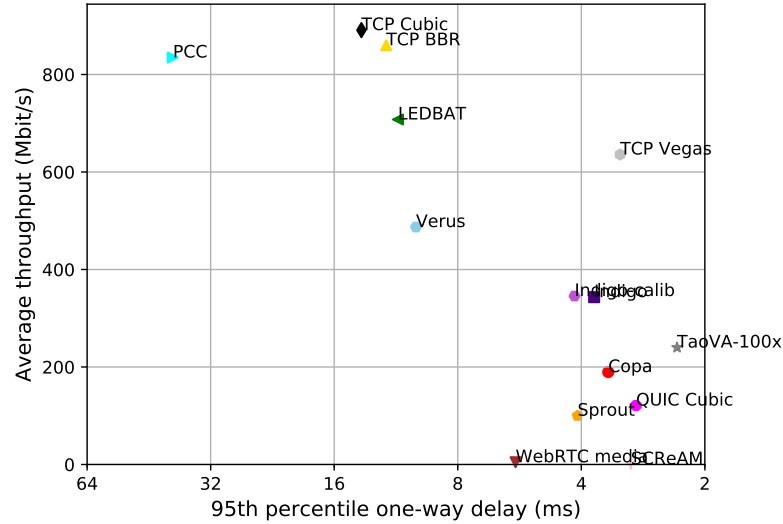
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

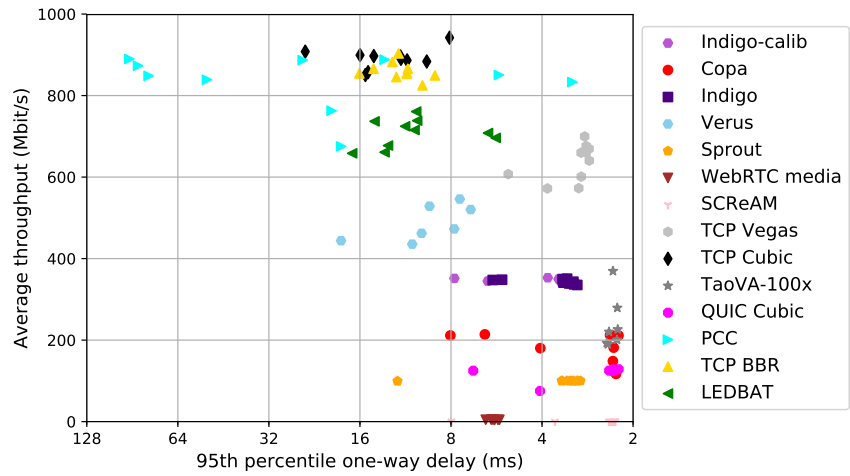
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
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	492.45	401.15	316.03	12.77	10.31	7.62	11.01	19.54	28.02
TCP Cubic	10	536.16	382.20	302.45	15.36	6.62	5.29	0.02	0.02	0.02
LEDBAT	10	393.54	337.66	271.25	12.19	7.46	5.47	0.04	0.07	0.11
PCC	10	677.64	168.46	137.19	44.72	5.70	3.92	0.49	0.06	0.08
QUIC Cubic	10	61.00	63.25	54.69	2.92	3.04	3.76	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	3.01	3.31	2.64	0.00	0.00	0.00
WebRTC media	6	2.45	1.70	0.43	5.47	5.72	7.53	0.00	0.02	0.00
Sprout	10	50.22	50.06	49.88	3.98	4.29	3.52	0.00	0.00	0.00
TaoVA-100x	7	108.44	130.69	134.91	2.31	2.41	2.44	0.00	0.00	0.00
TCP Vegas	10	319.30	318.13	315.37	3.16	3.47	2.96	0.00	0.00	0.01
Verus	7	283.01	195.34	190.80	9.51	29.02	13.75	1.03	5.29	2.49
Copa	10	95.13	102.94	108.45	3.46	3.08	2.87	0.00	0.00	0.00
Indigo	10	181.80	168.62	152.33	3.49	3.76	4.20	0.00	0.00	0.00
Indigo-calib	10	180.02	171.02	160.25	3.51	4.42	4.67	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2017-11-30 21:10:36

End at: 2017-11-30 21:11:06

Local clock offset: 0.312 ms

Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2017-12-01 02:16:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 854.28 Mbit/s

95th percentile per-packet one-way delay: 16.067 ms

Loss rate: 12.86%

-- Flow 1:

Average throughput: 532.46 Mbit/s

95th percentile per-packet one-way delay: 18.776 ms

Loss rate: 8.73%

-- Flow 2:

Average throughput: 383.23 Mbit/s

95th percentile per-packet one-way delay: 12.898 ms

Loss rate: 17.11%

-- Flow 3:

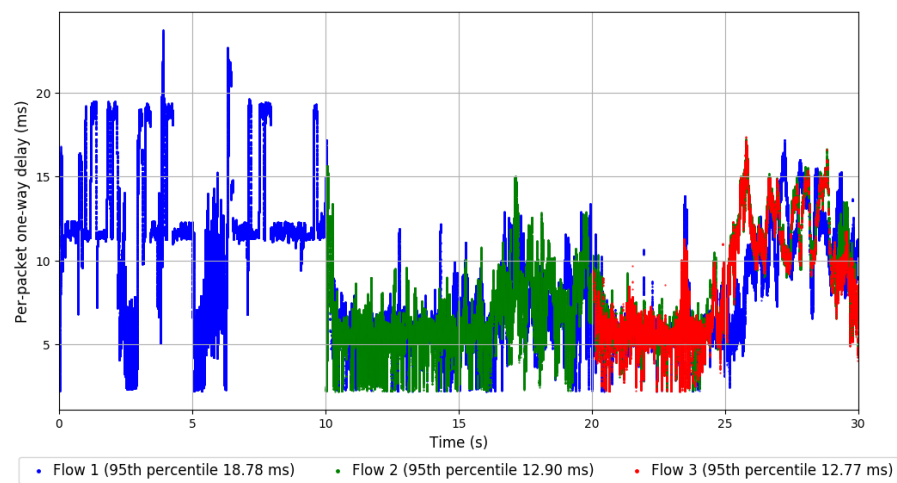
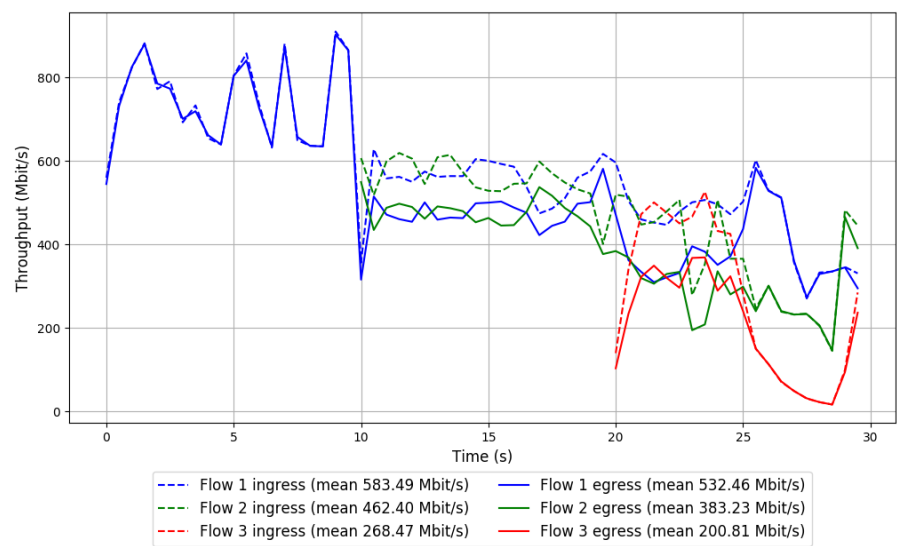
Average throughput: 200.81 Mbit/s

95th percentile per-packet one-way delay: 12.765 ms

Loss rate: 25.23%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-11-30 21:30:04

End at: 2017-11-30 21:30:34

Local clock offset: 0.262 ms

Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2017-12-01 02:16:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 845.42 Mbit/s

95th percentile per-packet one-way delay: 12.124 ms

Loss rate: 16.40%

-- Flow 1:

Average throughput: 491.50 Mbit/s

95th percentile per-packet one-way delay: 11.649 ms

Loss rate: 11.67%

-- Flow 2:

Average throughput: 384.21 Mbit/s

95th percentile per-packet one-way delay: 12.726 ms

Loss rate: 20.07%

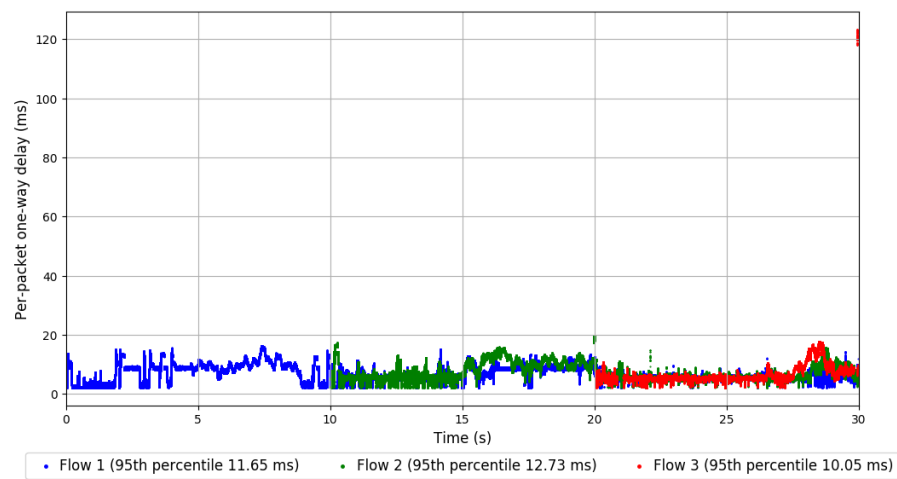
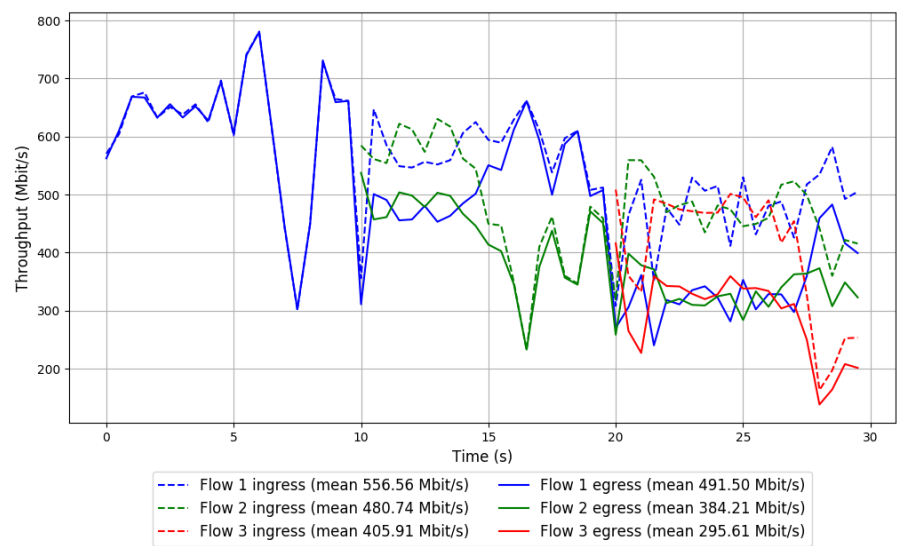
-- Flow 3:

Average throughput: 295.61 Mbit/s

95th percentile per-packet one-way delay: 10.055 ms

Loss rate: 27.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-11-30 21:49:17

End at: 2017-11-30 21:49:47

Local clock offset: 0.177 ms

Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2017-12-01 02:16:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 865.70 Mbit/s

95th percentile per-packet one-way delay: 14.426 ms

Loss rate: 13.13%

-- Flow 1:

Average throughput: 497.65 Mbit/s

95th percentile per-packet one-way delay: 15.969 ms

Loss rate: 8.76%

-- Flow 2:

Average throughput: 385.74 Mbit/s

95th percentile per-packet one-way delay: 12.765 ms

Loss rate: 15.61%

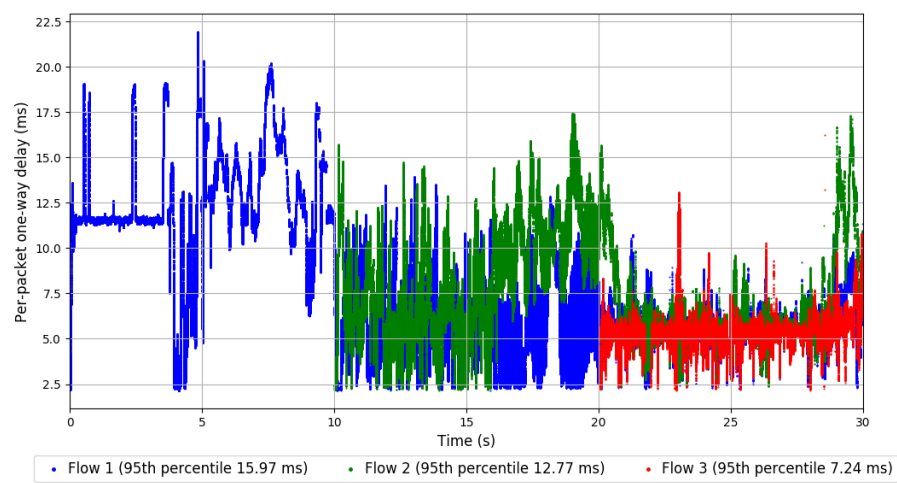
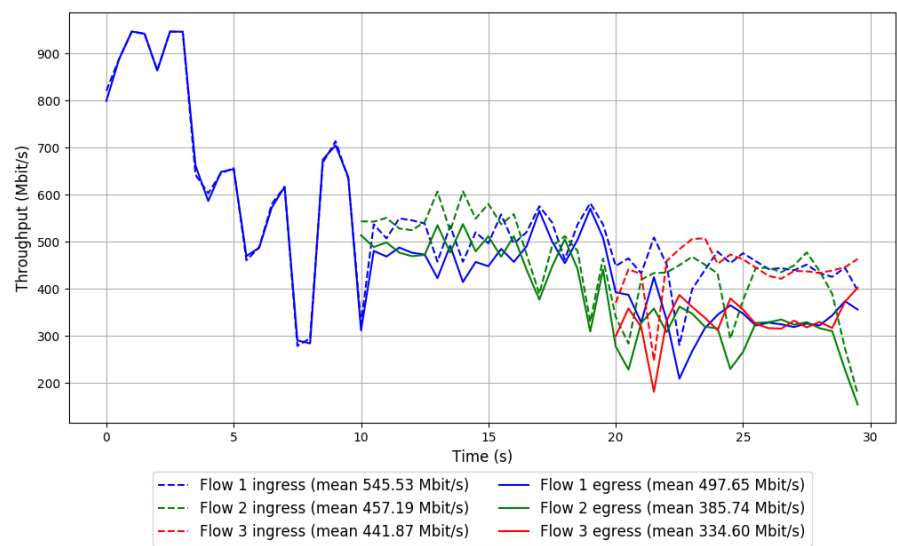
-- Flow 3:

Average throughput: 334.60 Mbit/s

95th percentile per-packet one-way delay: 7.239 ms

Loss rate: 24.25%

Run 3: Report of TCP BBR — Data Link

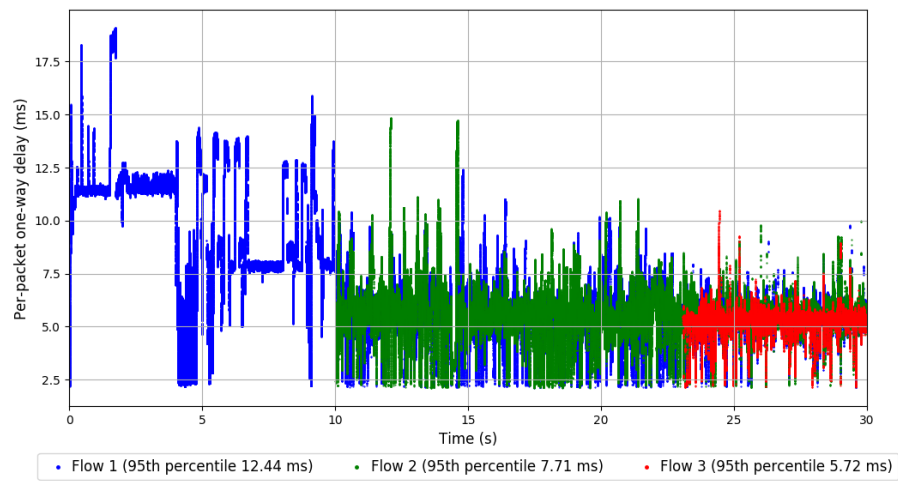
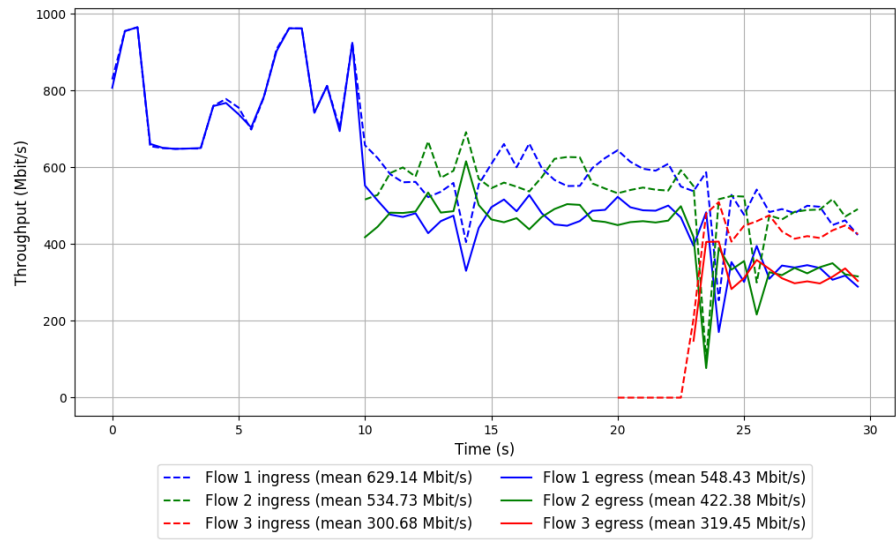


Run 4: Statistics of TCP BBR

Start at: 2017-11-30 22:08:35  
End at: 2017-11-30 22:09:05  
Local clock offset: 0.134 ms  
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2017-12-01 02:16:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 903.36 Mbit/s  
95th percentile per-packet one-way delay: 11.918 ms  
Loss rate: 16.73%  
-- Flow 1:  
Average throughput: 548.43 Mbit/s  
95th percentile per-packet one-way delay: 12.439 ms  
Loss rate: 12.82%  
-- Flow 2:  
Average throughput: 422.38 Mbit/s  
95th percentile per-packet one-way delay: 7.715 ms  
Loss rate: 21.00%  
-- Flow 3:  
Average throughput: 319.45 Mbit/s  
95th percentile per-packet one-way delay: 5.718 ms  
Loss rate: 26.16%

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



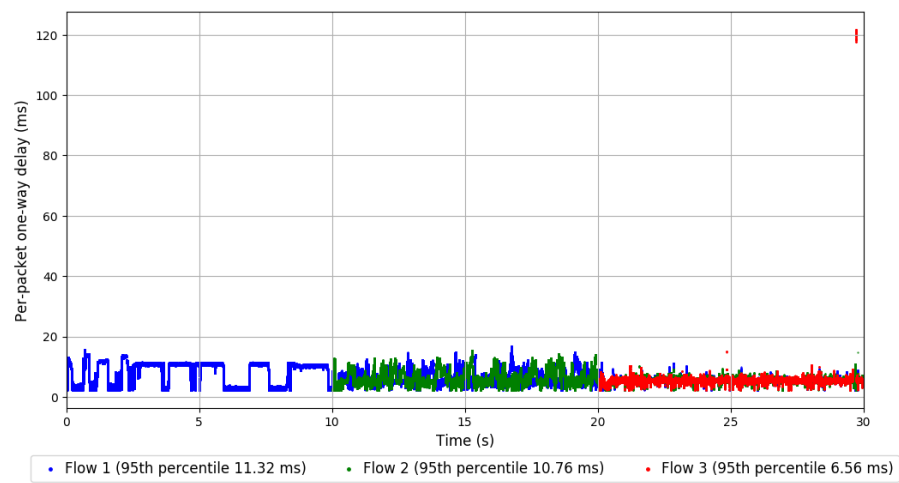
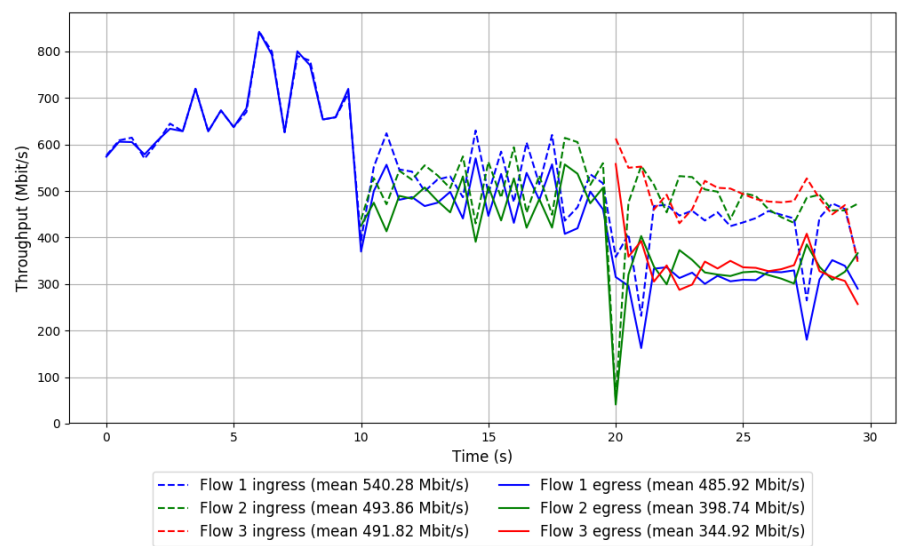
Run 5: Statistics of TCP BBR

Start at: 2017-11-30 22:28:19  
End at: 2017-11-30 22:28:49  
Local clock offset: -0.048 ms  
Remote clock offset: -0.256 ms

# Below is generated by plot.py at 2017-12-01 02:16:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 865.86 Mbit/s  
95th percentile per-packet one-way delay: 11.115 ms  
Loss rate: 16.11%  
-- Flow 1:  
Average throughput: 485.92 Mbit/s  
95th percentile per-packet one-way delay: 11.324 ms  
Loss rate: 10.05%  
-- Flow 2:  
Average throughput: 398.74 Mbit/s  
95th percentile per-packet one-way delay: 10.760 ms  
Loss rate: 19.25%  
-- Flow 3:  
Average throughput: 344.92 Mbit/s  
95th percentile per-packet one-way delay: 6.558 ms  
Loss rate: 29.87%



Run 5: Report of TCP BBR — Data Link

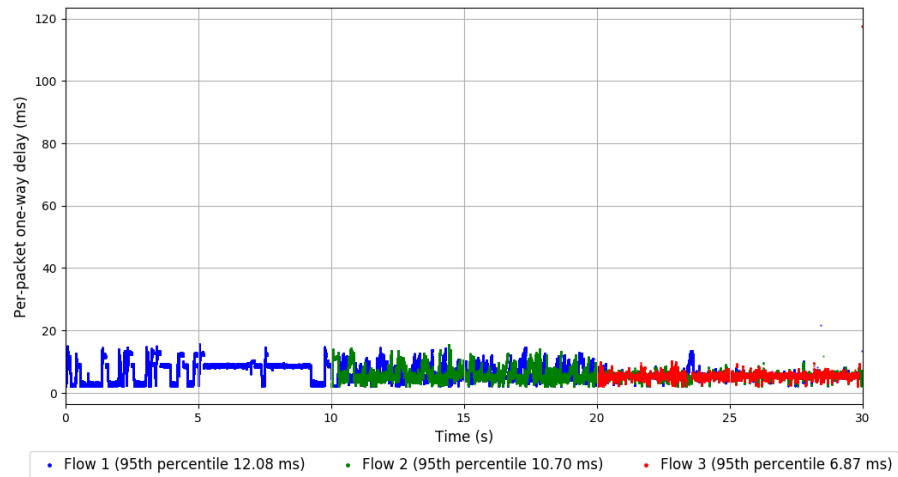
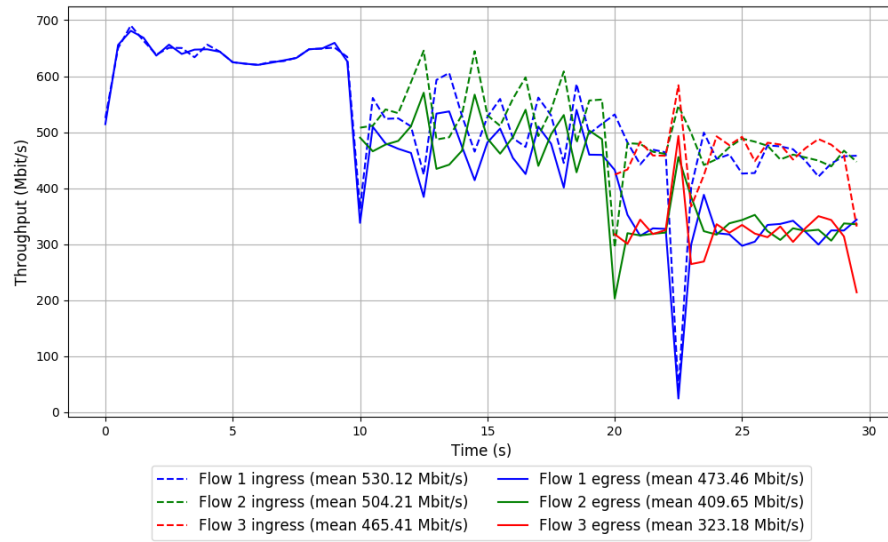


Run 6: Statistics of TCP BBR

Start at: 2017-11-30 22:47:41  
End at: 2017-11-30 22:48:11  
Local clock offset: -0.044 ms  
Remote clock offset: -0.361 ms

# Below is generated by plot.py at 2017-12-01 02:16:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 853.56 Mbit/s  
95th percentile per-packet one-way delay: 11.211 ms  
Loss rate: 16.20%  
-- Flow 1:  
Average throughput: 473.46 Mbit/s  
95th percentile per-packet one-way delay: 12.084 ms  
Loss rate: 10.65%  
-- Flow 2:  
Average throughput: 409.65 Mbit/s  
95th percentile per-packet one-way delay: 10.697 ms  
Loss rate: 18.74%  
-- Flow 3:  
Average throughput: 323.18 Mbit/s  
95th percentile per-packet one-way delay: 6.871 ms  
Loss rate: 29.83%

## Run 6: Report of TCP BBR — Data Link

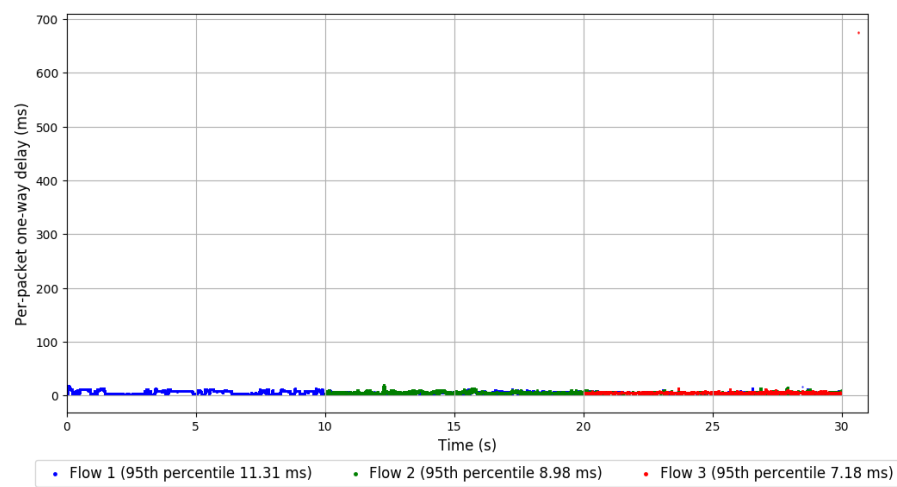
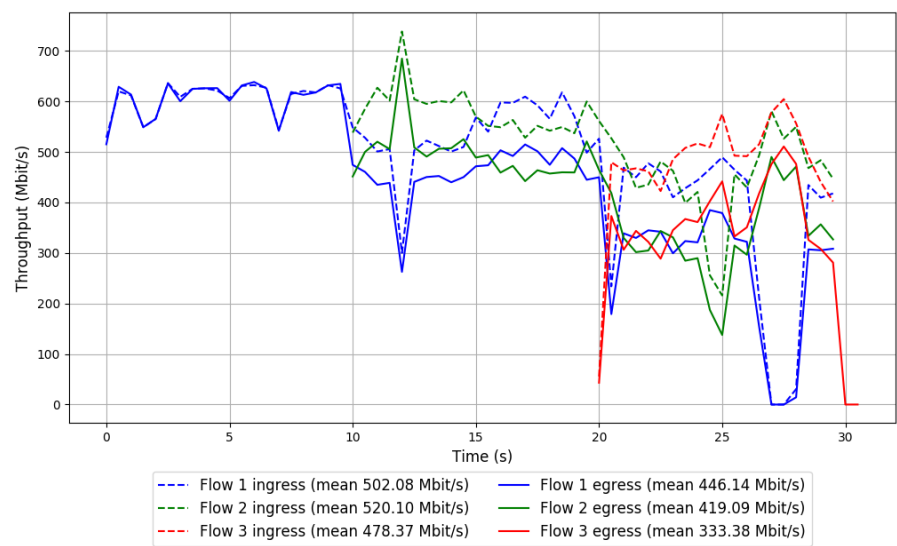


Run 7: Statistics of TCP BBR

Start at: 2017-11-30 23:06:51  
End at: 2017-11-30 23:07:21  
Local clock offset: -0.08 ms  
Remote clock offset: -0.368 ms

# Below is generated by plot.py at 2017-12-01 02:16:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 825.04 Mbit/s  
95th percentile per-packet one-way delay: 9.942 ms  
Loss rate: 16.27%  
-- Flow 1:  
Average throughput: 446.14 Mbit/s  
95th percentile per-packet one-way delay: 11.306 ms  
Loss rate: 11.13%  
-- Flow 2:  
Average throughput: 419.09 Mbit/s  
95th percentile per-packet one-way delay: 8.984 ms  
Loss rate: 19.41%  
-- Flow 3:  
Average throughput: 333.38 Mbit/s  
95th percentile per-packet one-way delay: 7.182 ms  
Loss rate: 25.67%

Run 7: Report of TCP BBR — Data Link

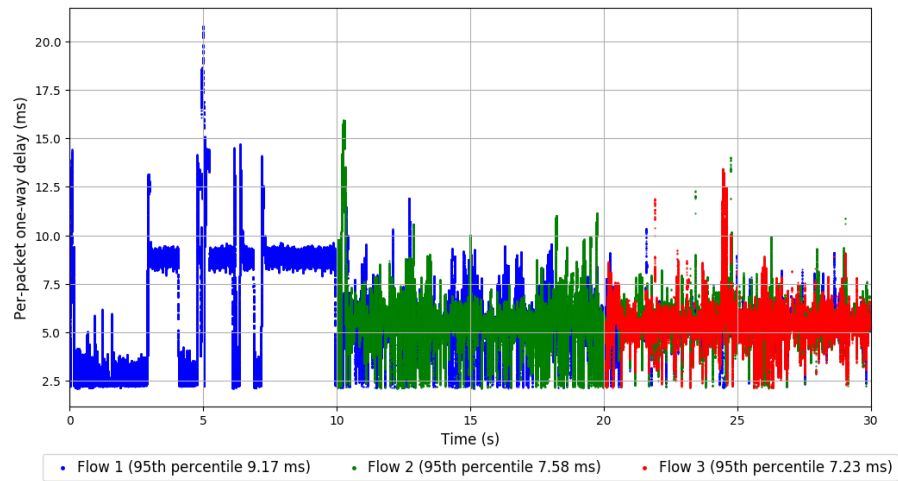
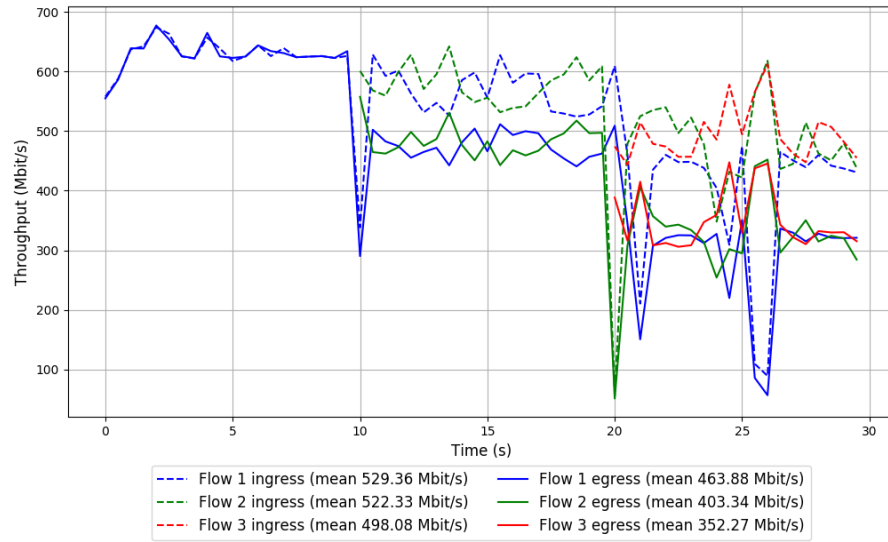


Run 8: Statistics of TCP BBR

Start at: 2017-11-30 23:26:24  
End at: 2017-11-30 23:26:54  
Local clock offset: -0.107 ms  
Remote clock offset: -0.357 ms

# Below is generated by plot.py at 2017-12-01 02:16:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 849.36 Mbit/s  
95th percentile per-packet one-way delay: 9.040 ms  
Loss rate: 18.52%  
-- Flow 1:  
Average throughput: 463.88 Mbit/s  
95th percentile per-packet one-way delay: 9.171 ms  
Loss rate: 12.36%  
-- Flow 2:  
Average throughput: 403.34 Mbit/s  
95th percentile per-packet one-way delay: 7.577 ms  
Loss rate: 22.77%  
-- Flow 3:  
Average throughput: 352.27 Mbit/s  
95th percentile per-packet one-way delay: 7.230 ms  
Loss rate: 29.27%

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



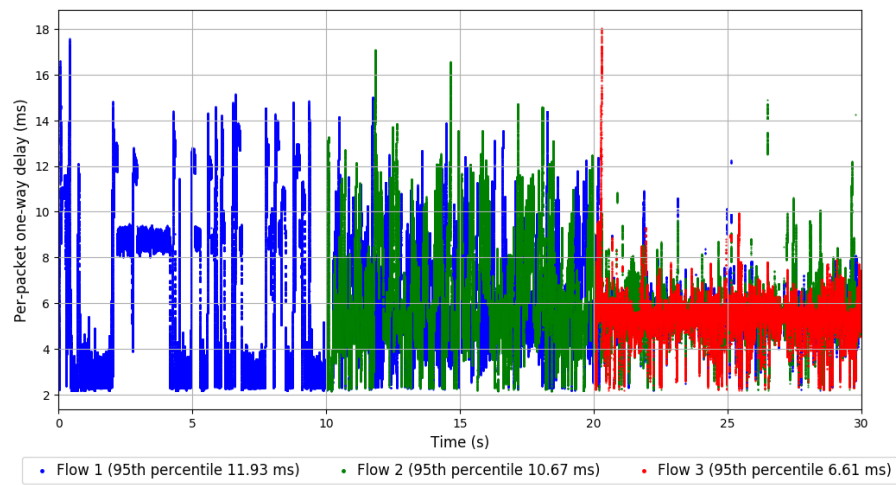
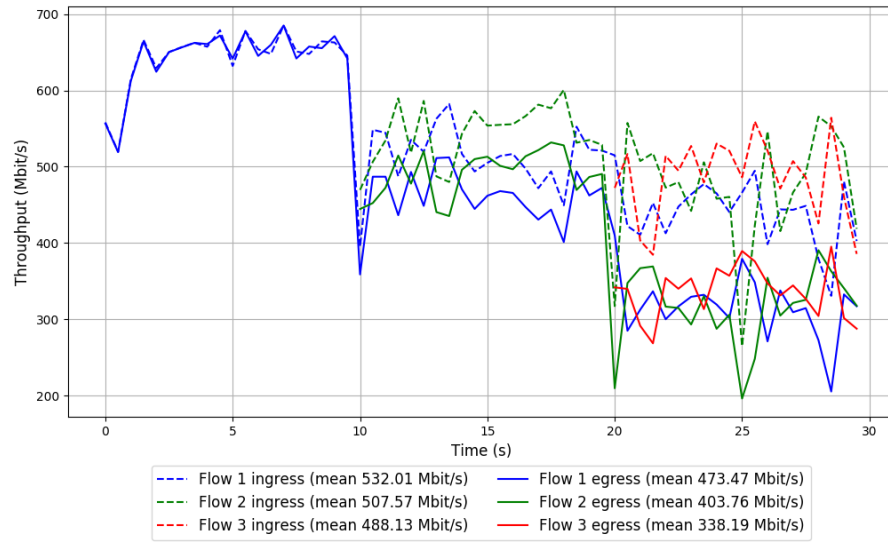
Run 9: Statistics of TCP BBR

Start at: 2017-11-30 23:45:54  
End at: 2017-11-30 23:46:24  
Local clock offset: -0.123 ms  
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2017-12-01 02:29:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 854.62 Mbit/s  
95th percentile per-packet one-way delay: 11.176 ms  
Loss rate: 17.18%  
-- Flow 1:  
Average throughput: 473.47 Mbit/s  
95th percentile per-packet one-way delay: 11.929 ms  
Loss rate: 11.00%  
-- Flow 2:  
Average throughput: 403.76 Mbit/s  
95th percentile per-packet one-way delay: 10.670 ms  
Loss rate: 20.44%  
-- Flow 3:  
Average throughput: 338.19 Mbit/s  
95th percentile per-packet one-way delay: 6.613 ms  
Loss rate: 30.70%



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

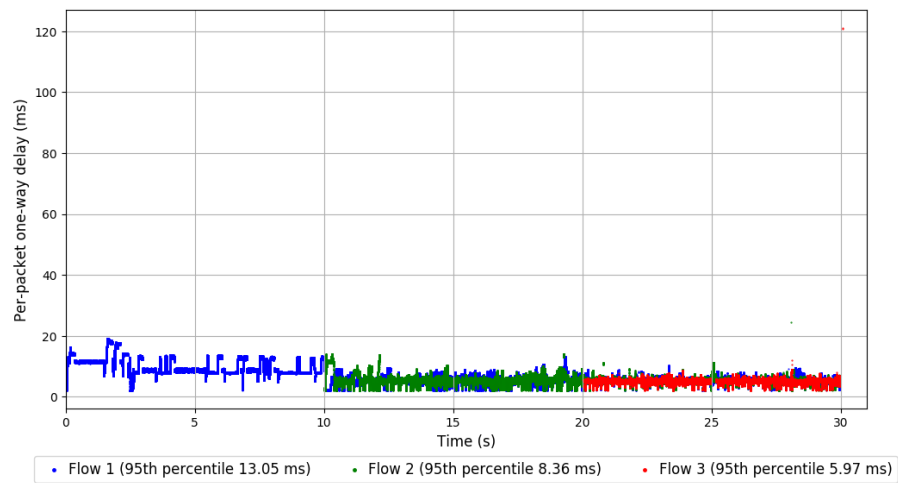
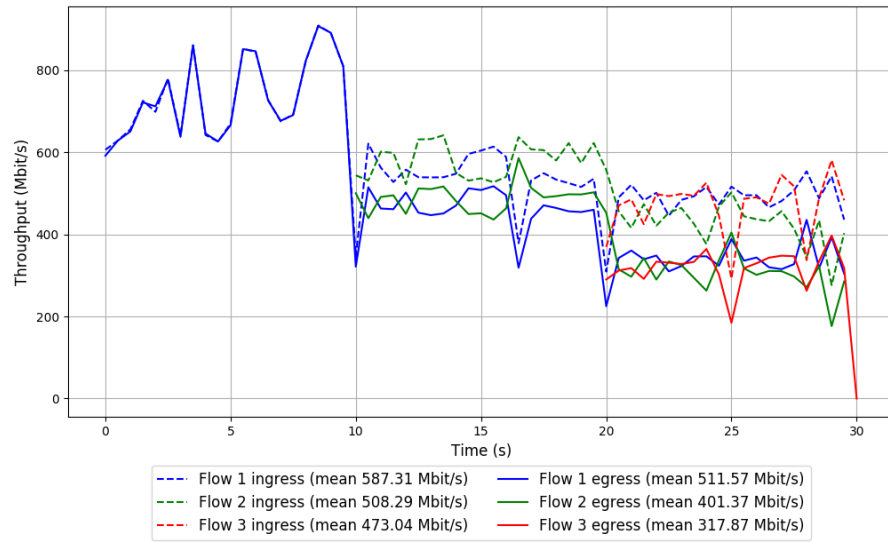


Run 10: Statistics of TCP BBR

Start at: 2017-12-01 00:05:18  
End at: 2017-12-01 00:05:48  
Local clock offset: -0.125 ms  
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2017-12-01 02:30:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 882.46 Mbit/s  
95th percentile per-packet one-way delay: 12.502 ms  
Loss rate: 18.22%  
-- Flow 1:  
Average throughput: 511.57 Mbit/s  
95th percentile per-packet one-way delay: 13.046 ms  
Loss rate: 12.89%  
-- Flow 2:  
Average throughput: 401.37 Mbit/s  
95th percentile per-packet one-way delay: 8.357 ms  
Loss rate: 21.03%  
-- Flow 3:  
Average throughput: 317.87 Mbit/s  
95th percentile per-packet one-way delay: 5.968 ms  
Loss rate: 32.08%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 21:05:11

End at: 2017-11-30 21:05:41

Local clock offset: 0.443 ms

Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2017-12-01 02:30:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 857.55 Mbit/s

95th percentile per-packet one-way delay: 15.036 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 496.57 Mbit/s

95th percentile per-packet one-way delay: 16.858 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 375.38 Mbit/s

95th percentile per-packet one-way delay: 14.498 ms

Loss rate: 0.04%

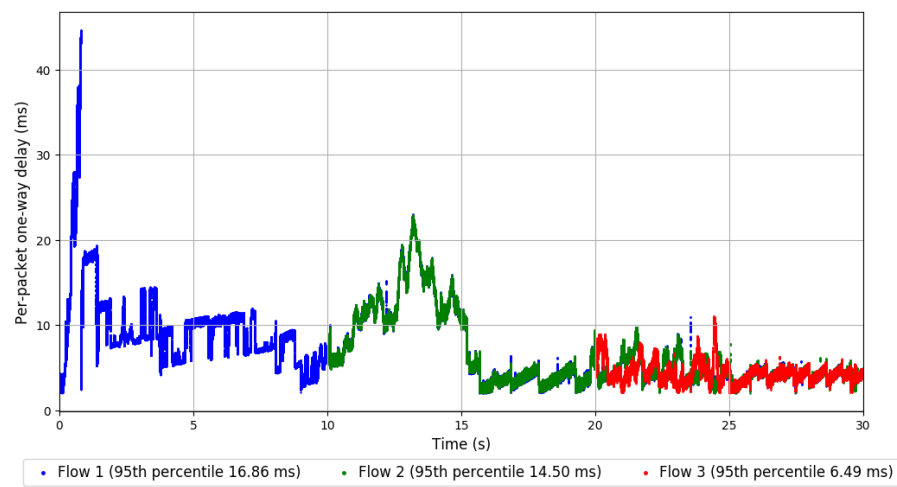
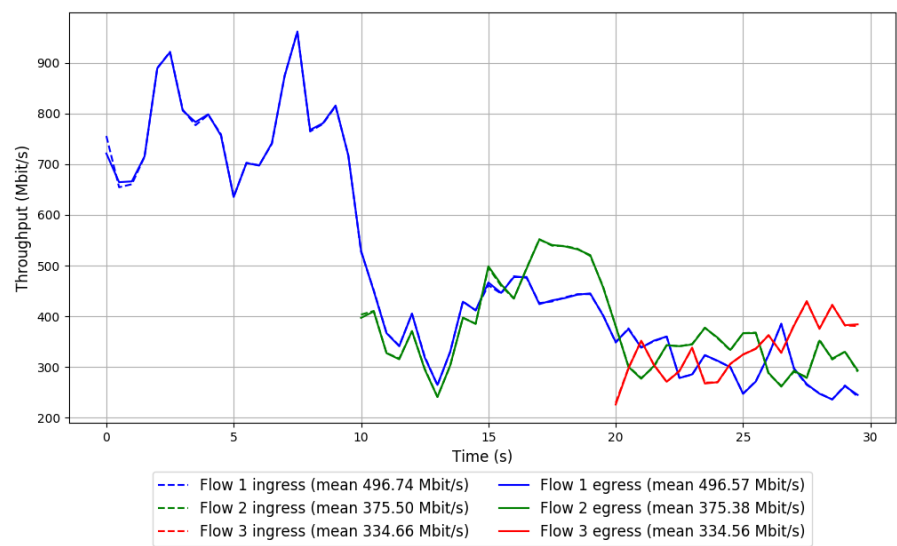
-- Flow 3:

Average throughput: 334.56 Mbit/s

95th percentile per-packet one-way delay: 6.492 ms

Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link

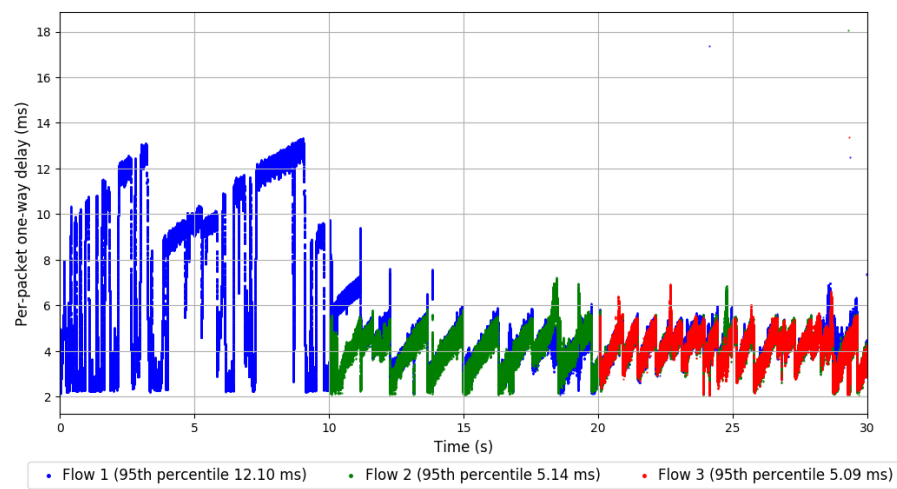
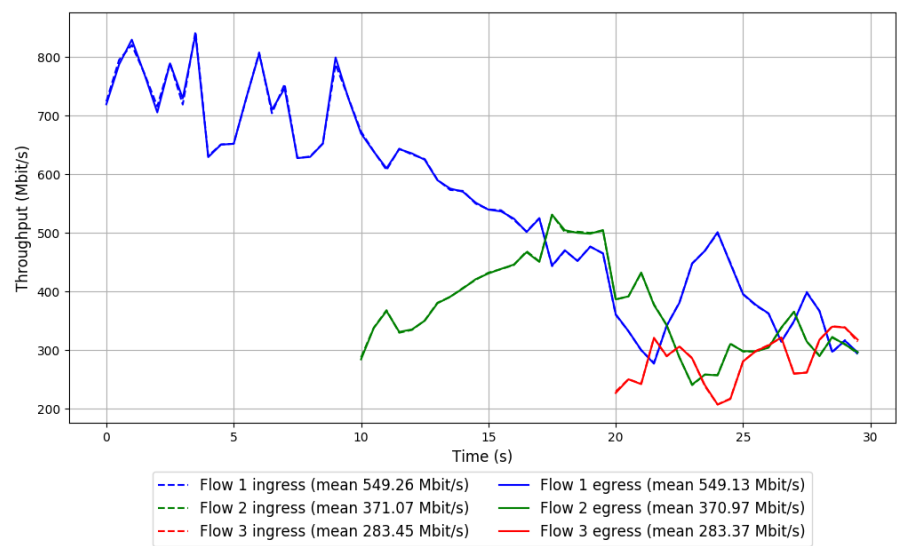


Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 21:24:41  
End at: 2017-11-30 21:25:11  
Local clock offset: 0.304 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2017-12-01 02:30:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 890.19 Mbit/s  
95th percentile per-packet one-way delay: 11.708 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 549.13 Mbit/s  
95th percentile per-packet one-way delay: 12.102 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 370.97 Mbit/s  
95th percentile per-packet one-way delay: 5.143 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 283.37 Mbit/s  
95th percentile per-packet one-way delay: 5.089 ms  
Loss rate: 0.02%

Run 2: Report of TCP Cubic — Data Link



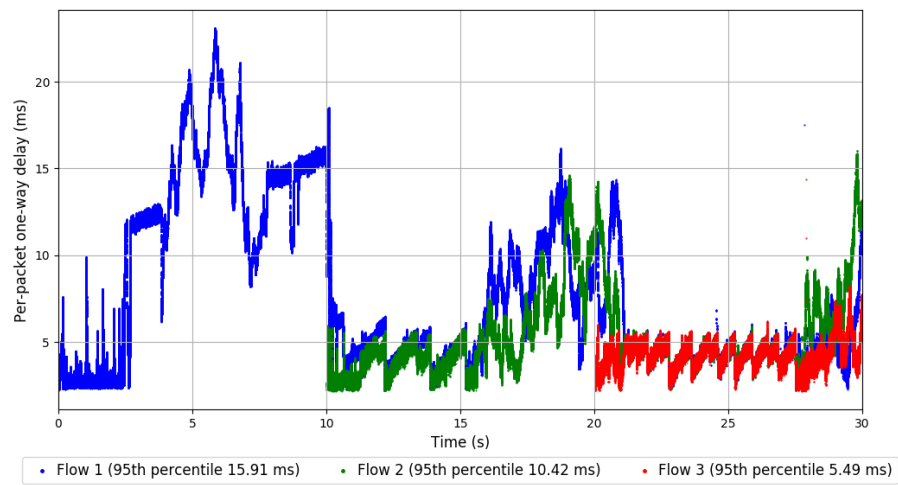
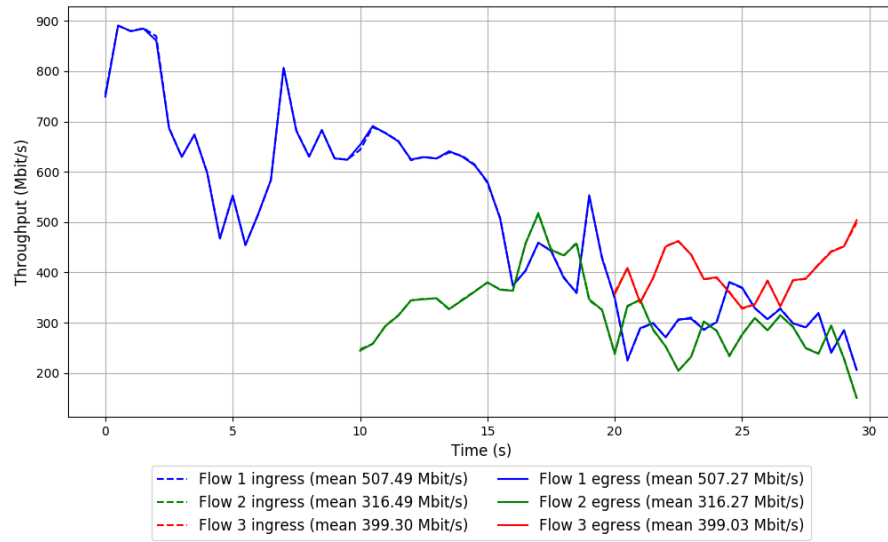
Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 21:43:53  
End at: 2017-11-30 21:44:23  
Local clock offset: 0.159 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2017-12-01 02:30:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 850.46 Mbit/s  
95th percentile per-packet one-way delay: 15.348 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 507.27 Mbit/s  
95th percentile per-packet one-way delay: 15.909 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 316.27 Mbit/s  
95th percentile per-packet one-way delay: 10.421 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 399.03 Mbit/s  
95th percentile per-packet one-way delay: 5.494 ms  
Loss rate: 0.02%



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

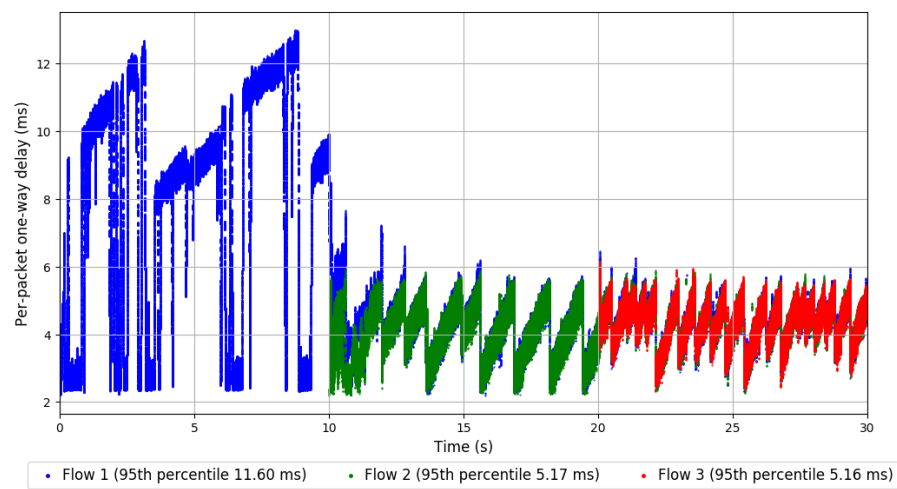
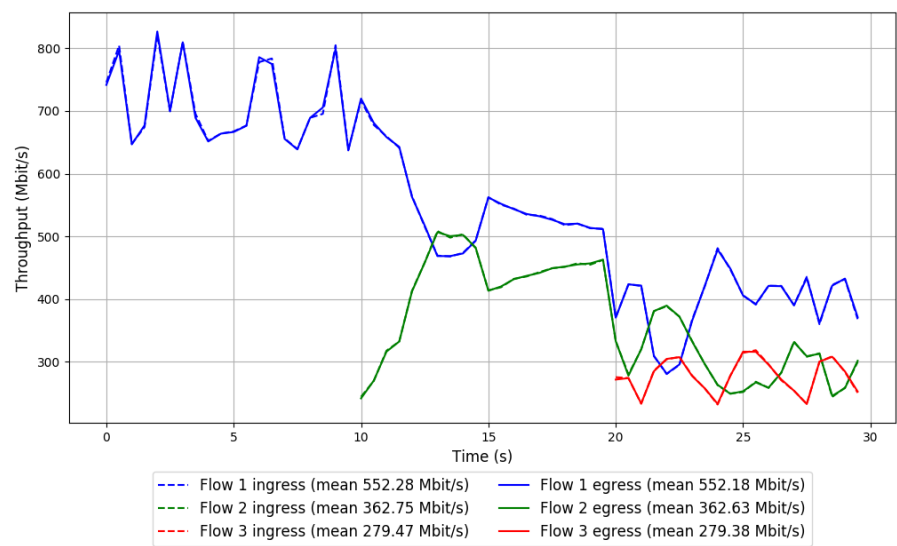


Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 22:03:09  
End at: 2017-11-30 22:03:39  
Local clock offset: 0.101 ms  
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2017-12-01 02:30:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 886.34 Mbit/s  
95th percentile per-packet one-way delay: 11.171 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 552.18 Mbit/s  
95th percentile per-packet one-way delay: 11.597 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 362.63 Mbit/s  
95th percentile per-packet one-way delay: 5.170 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 279.38 Mbit/s  
95th percentile per-packet one-way delay: 5.159 ms  
Loss rate: 0.03%

Run 4: Report of TCP Cubic — Data Link

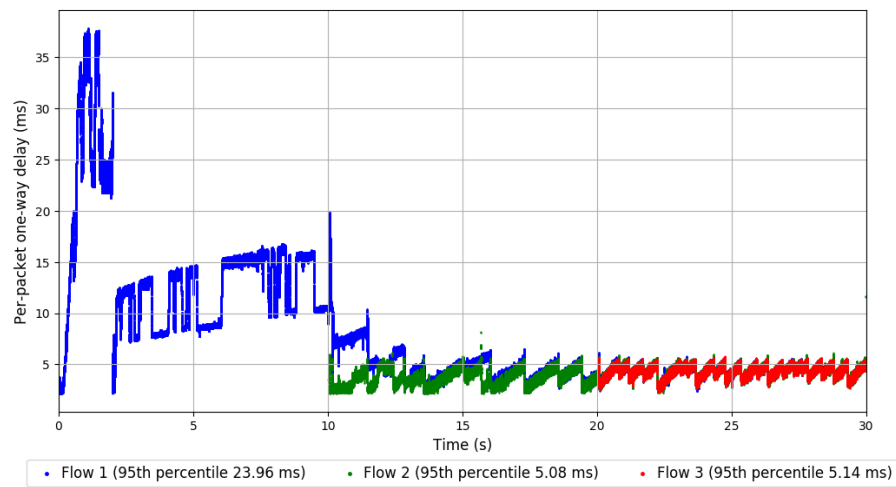
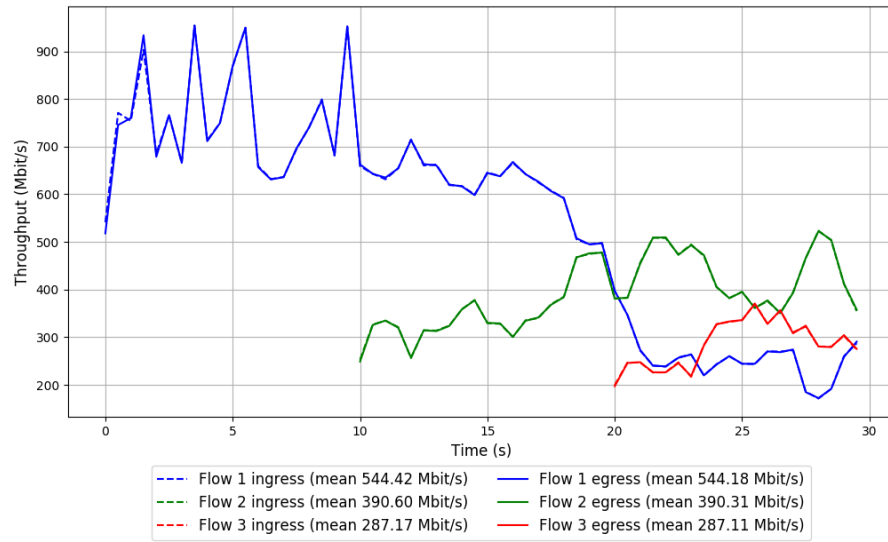


Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 22:22:52  
End at: 2017-11-30 22:23:22  
Local clock offset: 0.05 ms  
Remote clock offset: -0.224 ms

# Below is generated by plot.py at 2017-12-01 02:30:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 899.26 Mbit/s  
95th percentile per-packet one-way delay: 15.988 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 544.18 Mbit/s  
95th percentile per-packet one-way delay: 23.956 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 390.31 Mbit/s  
95th percentile per-packet one-way delay: 5.083 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 287.11 Mbit/s  
95th percentile per-packet one-way delay: 5.137 ms  
Loss rate: 0.01%

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

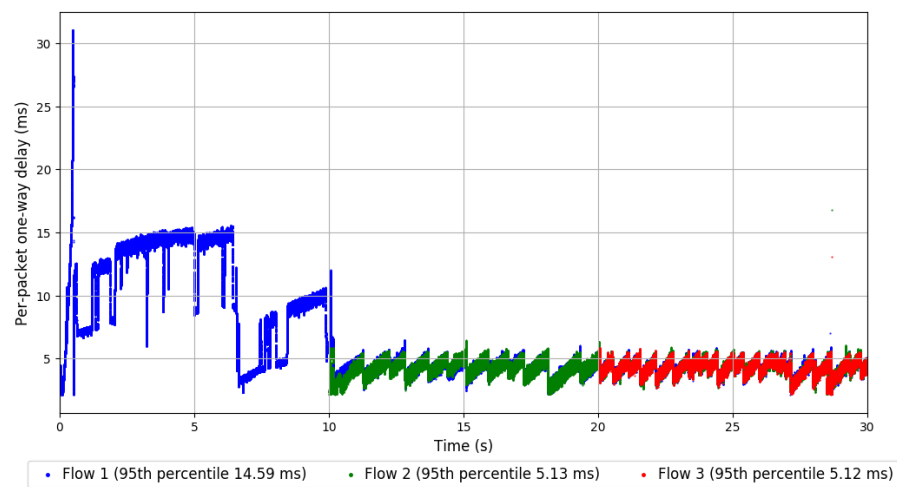
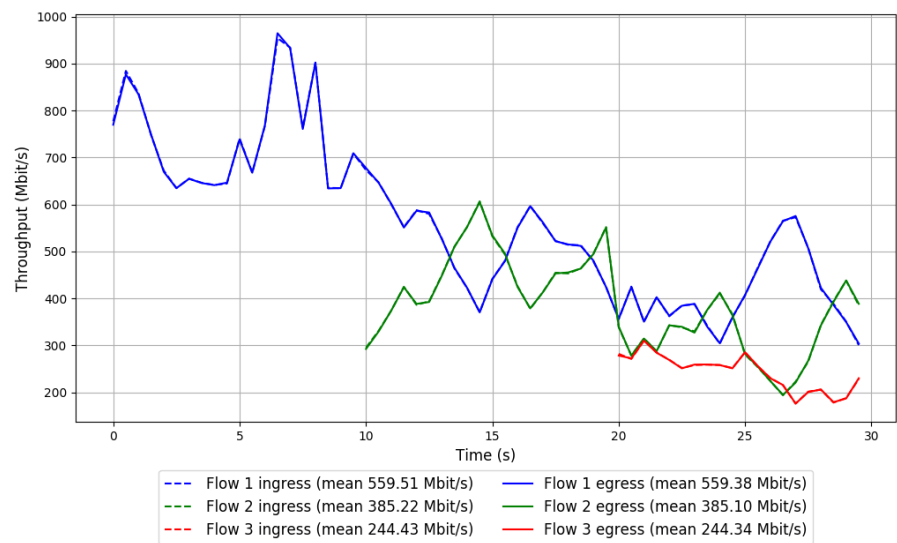


Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 22:42:21  
End at: 2017-11-30 22:42:51  
Local clock offset: -0.015 ms  
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2017-12-01 02:30:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 896.96 Mbit/s  
95th percentile per-packet one-way delay: 14.397 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 559.38 Mbit/s  
95th percentile per-packet one-way delay: 14.592 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 385.10 Mbit/s  
95th percentile per-packet one-way delay: 5.131 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 244.34 Mbit/s  
95th percentile per-packet one-way delay: 5.123 ms  
Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link



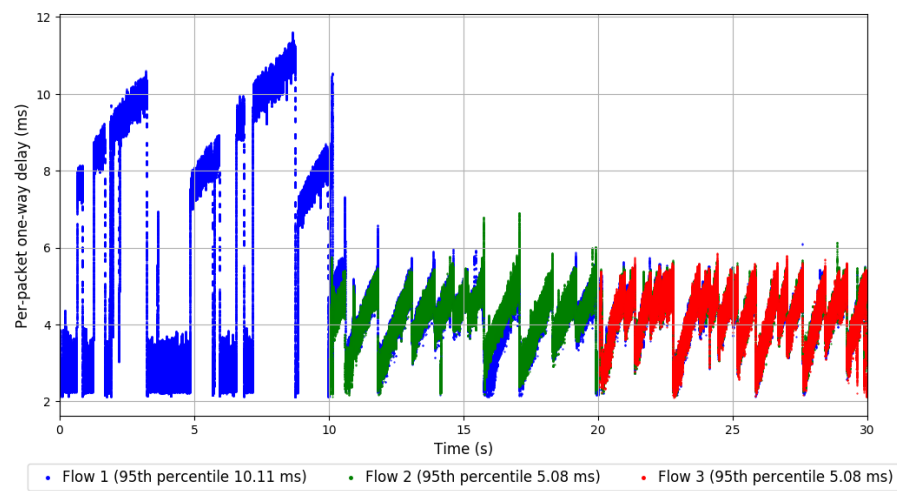
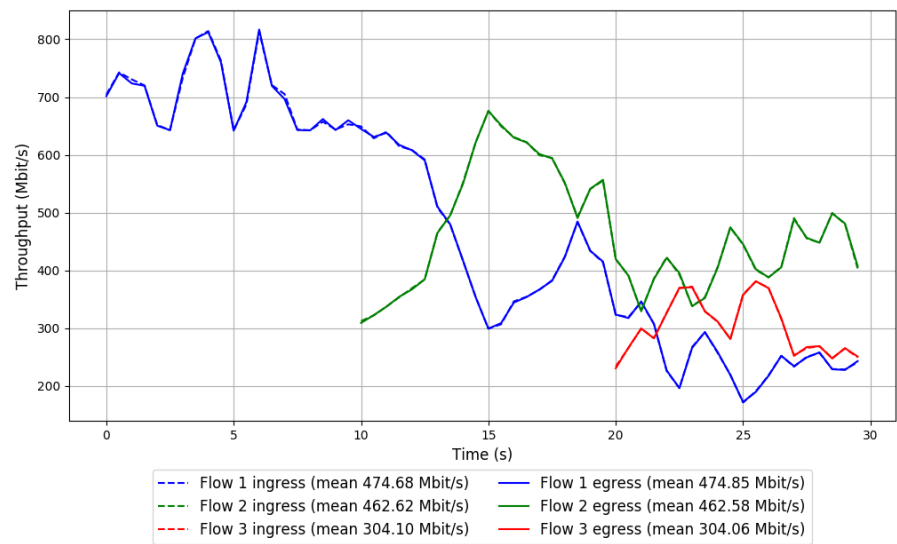
Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 23:01:26  
End at: 2017-11-30 23:01:56  
Local clock offset: -0.062 ms  
Remote clock offset: -0.374 ms

# Below is generated by plot.py at 2017-12-01 02:41:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 883.67 Mbit/s  
95th percentile per-packet one-way delay: 9.621 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 474.85 Mbit/s  
95th percentile per-packet one-way delay: 10.109 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 462.58 Mbit/s  
95th percentile per-packet one-way delay: 5.083 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 304.06 Mbit/s  
95th percentile per-packet one-way delay: 5.076 ms  
Loss rate: 0.02%



Run 7: Report of TCP Cubic — Data Link

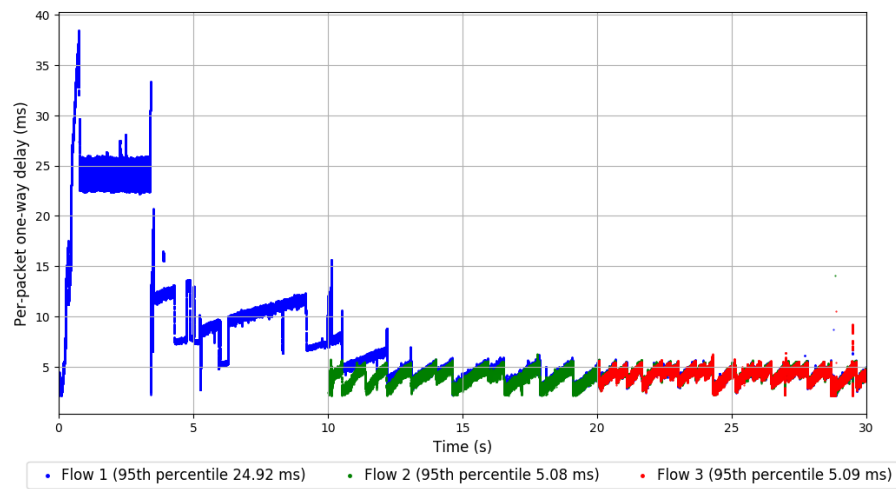
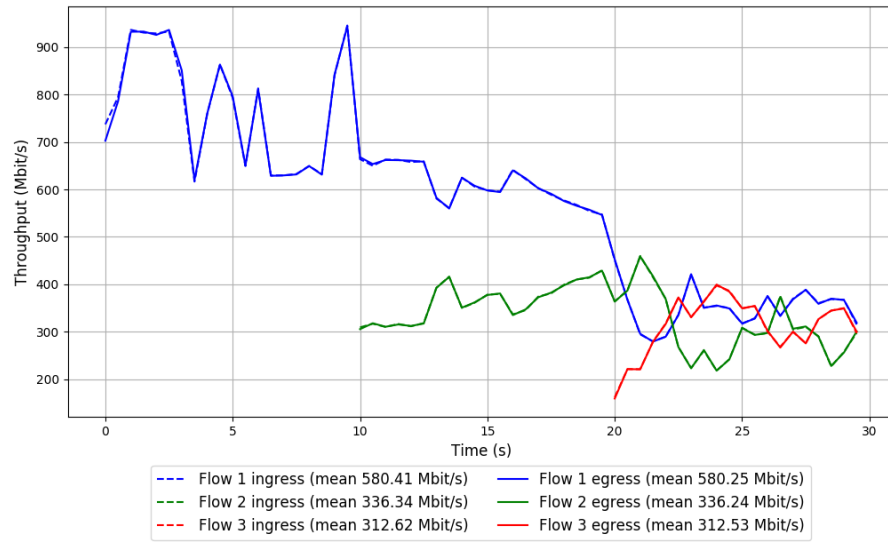


Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 23:20:57  
End at: 2017-11-30 23:21:27  
Local clock offset: -0.117 ms  
Remote clock offset: -0.364 ms

# Below is generated by plot.py at 2017-12-01 02:42:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 907.85 Mbit/s  
95th percentile per-packet one-way delay: 24.260 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 580.25 Mbit/s  
95th percentile per-packet one-way delay: 24.917 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 336.24 Mbit/s  
95th percentile per-packet one-way delay: 5.084 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 312.53 Mbit/s  
95th percentile per-packet one-way delay: 5.090 ms  
Loss rate: 0.02%

# Run 8: Report of TCP Cubic — Data Link

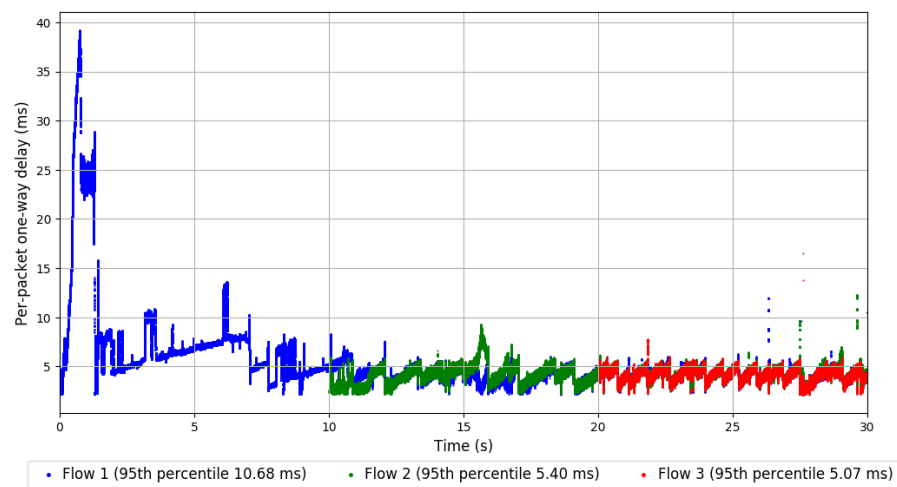
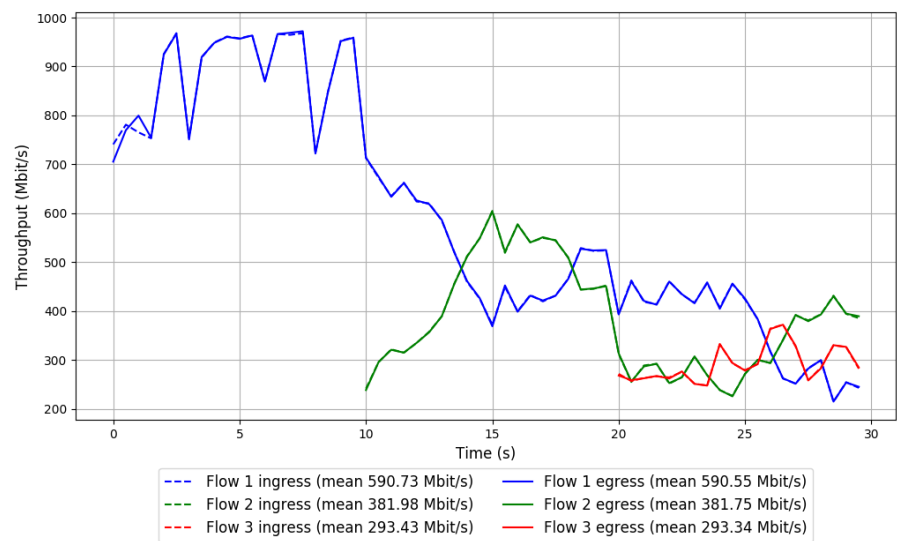


Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 23:40:31  
End at: 2017-11-30 23:41:01  
Local clock offset: -0.147 ms  
Remote clock offset: -0.317 ms

# Below is generated by plot.py at 2017-12-01 02:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 942.01 Mbit/s  
95th percentile per-packet one-way delay: 8.086 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 590.55 Mbit/s  
95th percentile per-packet one-way delay: 10.682 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 381.75 Mbit/s  
95th percentile per-packet one-way delay: 5.401 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 293.34 Mbit/s  
95th percentile per-packet one-way delay: 5.074 ms  
Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link

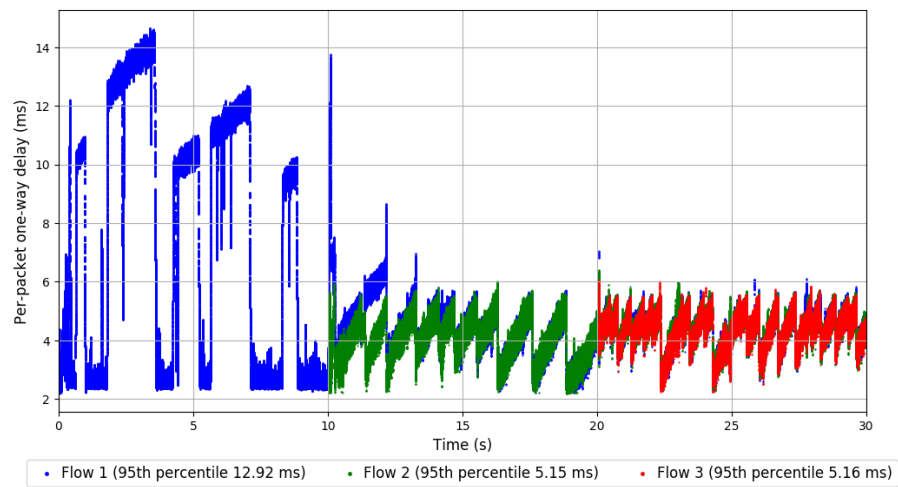
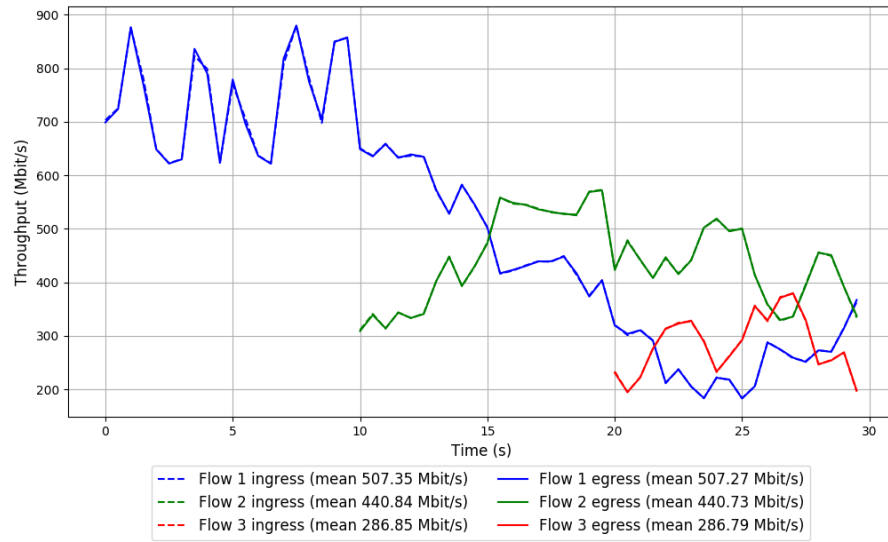


Run 10: Statistics of TCP Cubic

Start at: 2017-11-30 23:59:54  
End at: 2017-12-01 00:00:24  
Local clock offset: -0.181 ms  
Remote clock offset: -0.221 ms

# Below is generated by plot.py at 2017-12-01 02:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 895.81 Mbit/s  
95th percentile per-packet one-way delay: 11.753 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 507.27 Mbit/s  
95th percentile per-packet one-way delay: 12.918 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 440.73 Mbit/s  
95th percentile per-packet one-way delay: 5.147 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 286.79 Mbit/s  
95th percentile per-packet one-way delay: 5.155 ms  
Loss rate: 0.02%

# Run 10: Report of TCP Cubic — Data Link



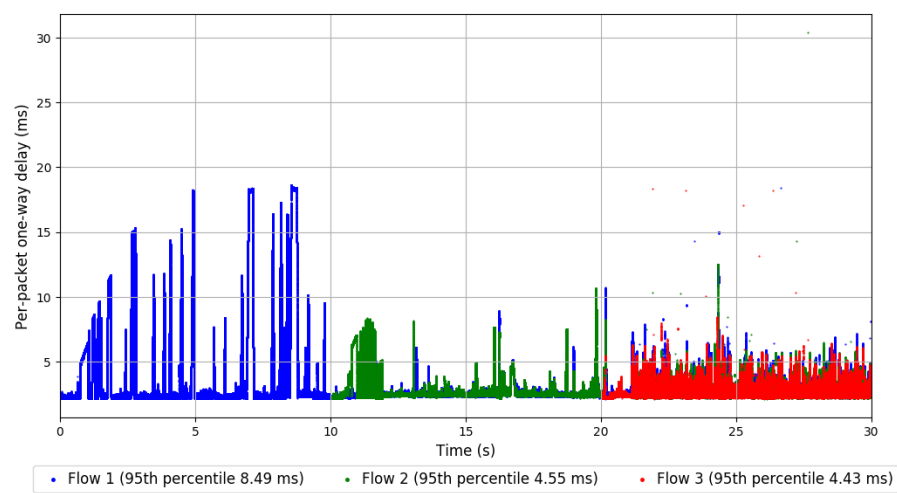
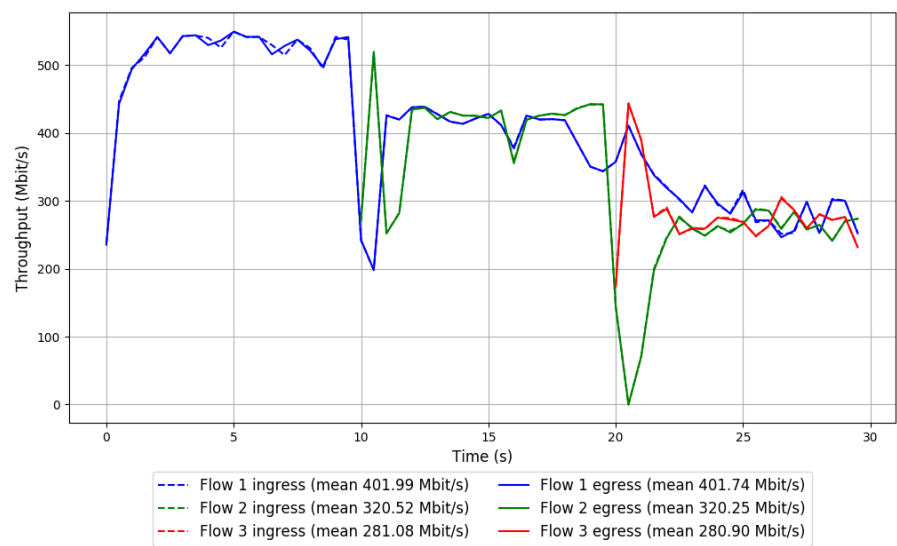
```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 21:15:16
End at: 2017-11-30 21:15:46
Local clock offset: 0.357 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2017-12-01 02:42:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 708.05 Mbit/s
95th percentile per-packet one-way delay: 6.036 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 401.74 Mbit/s
95th percentile per-packet one-way delay: 8.491 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 320.25 Mbit/s
95th percentile per-packet one-way delay: 4.549 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 280.90 Mbit/s
95th percentile per-packet one-way delay: 4.427 ms
Loss rate: 0.13%
```



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-11-30 21:34:37

End at: 2017-11-30 21:35:07

Local clock offset: 0.228 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2017-12-01 02:42:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 660.95 Mbit/s

95th percentile per-packet one-way delay: 13.267 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 336.04 Mbit/s

95th percentile per-packet one-way delay: 9.281 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 370.15 Mbit/s

95th percentile per-packet one-way delay: 16.590 ms

Loss rate: 0.05%

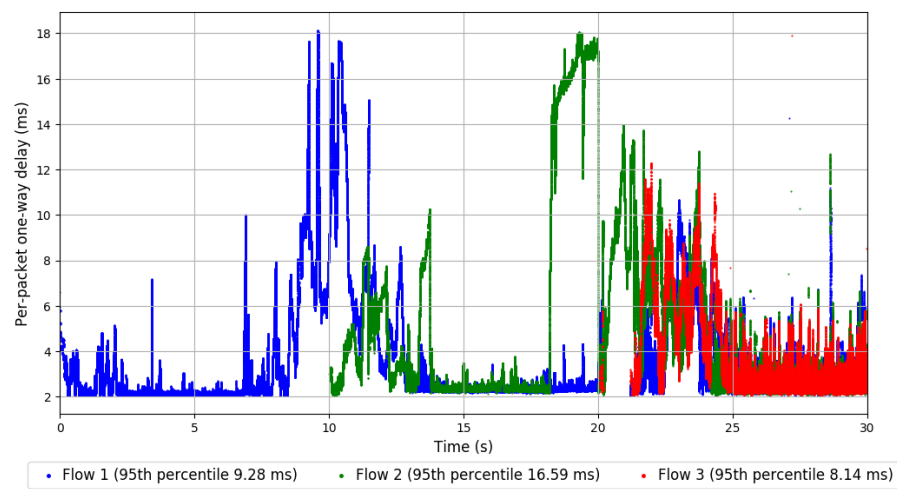
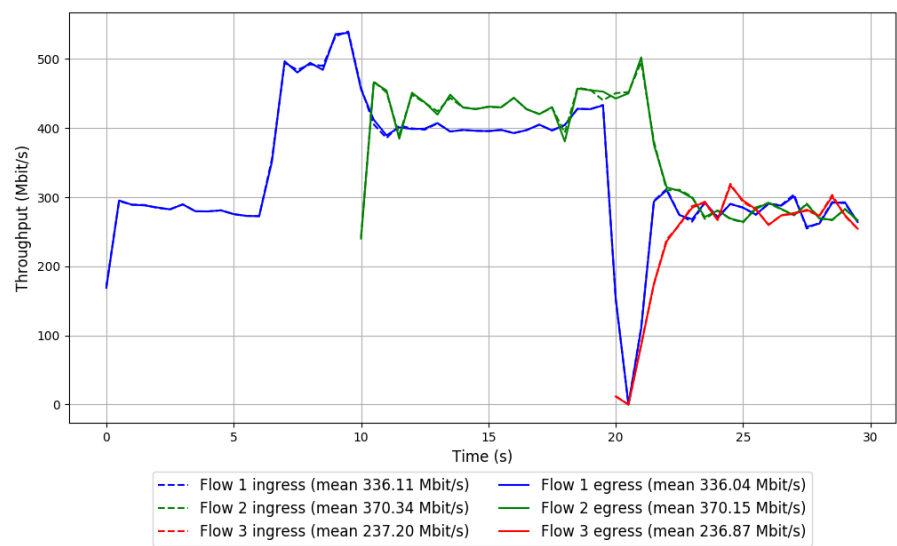
-- Flow 3:

Average throughput: 236.87 Mbit/s

95th percentile per-packet one-way delay: 8.140 ms

Loss rate: 0.10%

Run 2: Report of LEDBAT — Data Link

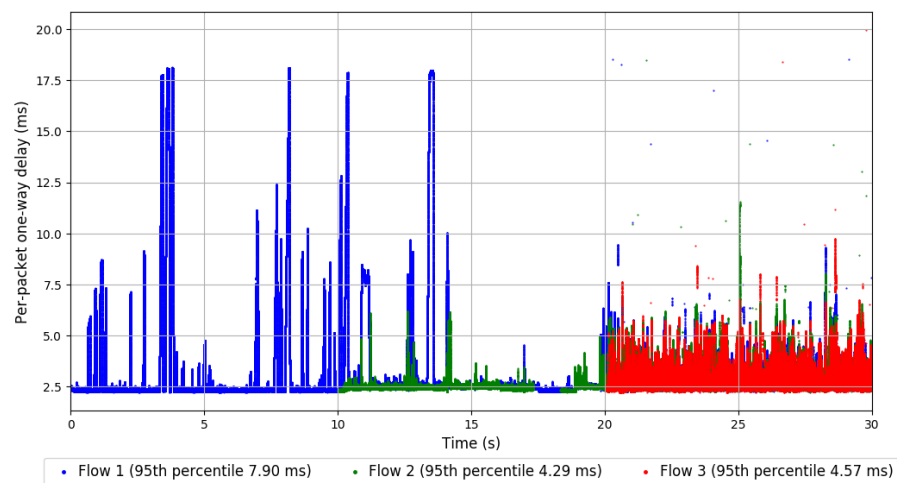
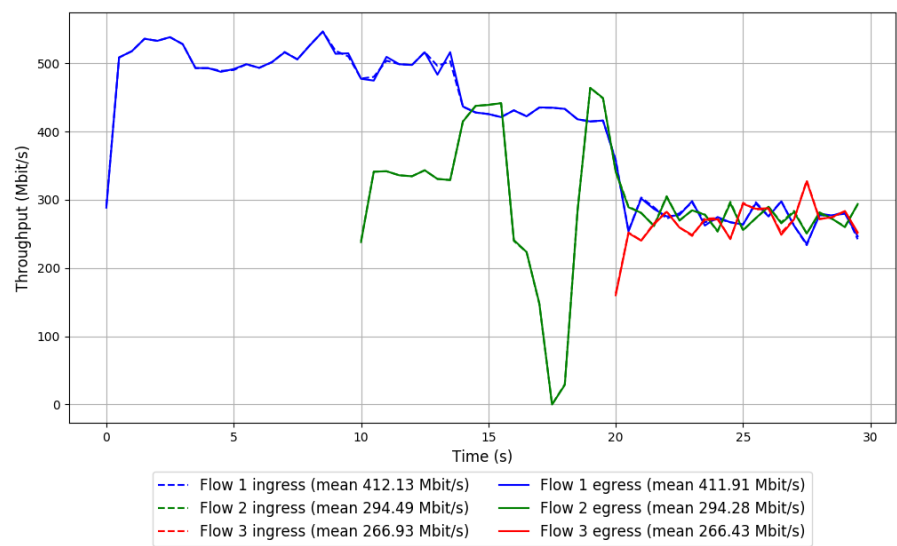


Run 3: Statistics of LEDBAT

Start at: 2017-11-30 21:53:49  
End at: 2017-11-30 21:54:19  
Local clock offset: 0.081 ms  
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2017-12-01 02:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 696.13 Mbit/s  
95th percentile per-packet one-way delay: 5.694 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 411.91 Mbit/s  
95th percentile per-packet one-way delay: 7.902 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 294.28 Mbit/s  
95th percentile per-packet one-way delay: 4.287 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 266.43 Mbit/s  
95th percentile per-packet one-way delay: 4.568 ms  
Loss rate: 0.17%

Run 3: Report of LEDBAT — Data Link

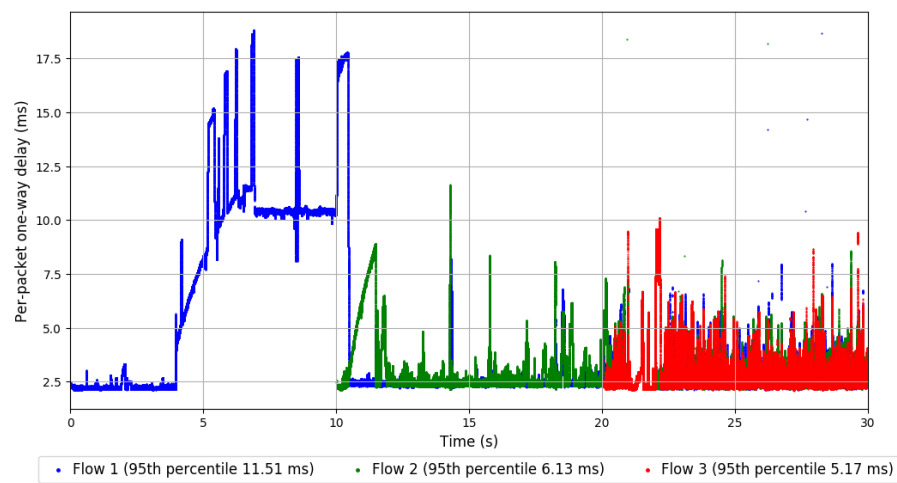
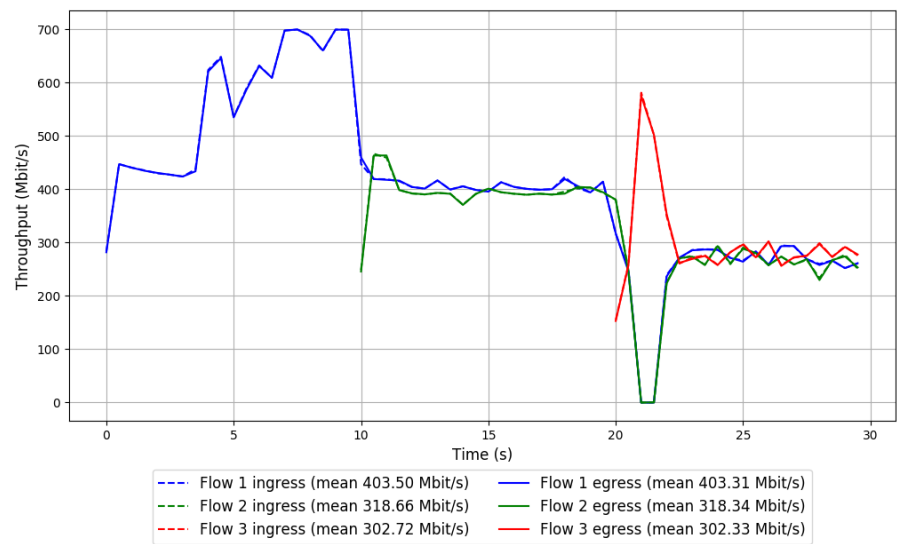


Run 4: Statistics of LEDBAT

Start at: 2017-11-30 22:13:25  
End at: 2017-11-30 22:13:55  
Local clock offset: 0.108 ms  
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2017-12-01 02:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 715.43 Mbit/s  
95th percentile per-packet one-way delay: 10.561 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 403.31 Mbit/s  
95th percentile per-packet one-way delay: 11.505 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 318.34 Mbit/s  
95th percentile per-packet one-way delay: 6.131 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 302.33 Mbit/s  
95th percentile per-packet one-way delay: 5.175 ms  
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



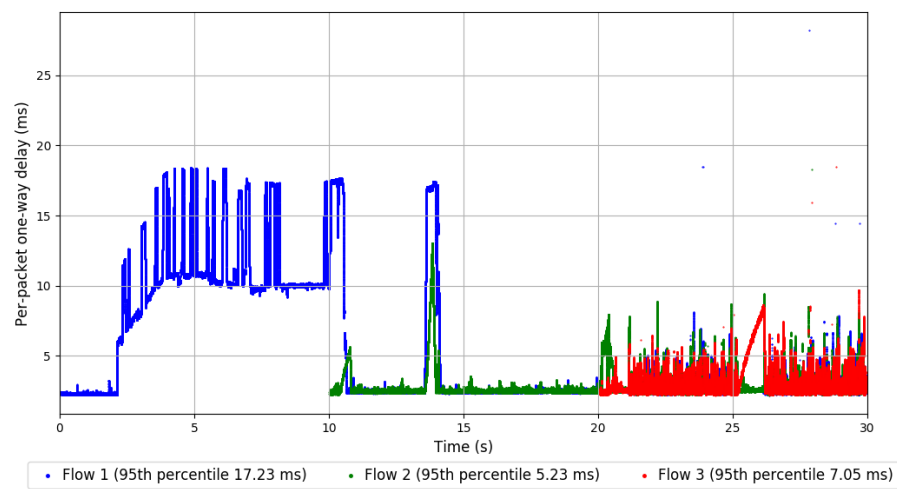
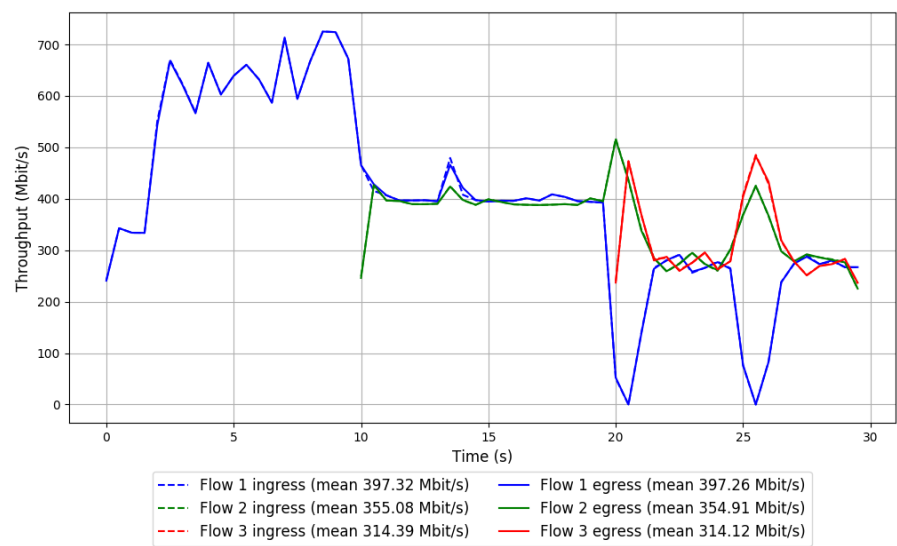
Run 5: Statistics of LEDBAT

Start at: 2017-11-30 22:32:55  
End at: 2017-11-30 22:33:25  
Local clock offset: -0.059 ms  
Remote clock offset: -0.271 ms

# Below is generated by plot.py at 2017-12-01 02:50:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 736.70 Mbit/s  
95th percentile per-packet one-way delay: 14.322 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 397.26 Mbit/s  
95th percentile per-packet one-way delay: 17.227 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 354.91 Mbit/s  
95th percentile per-packet one-way delay: 5.232 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 314.12 Mbit/s  
95th percentile per-packet one-way delay: 7.047 ms  
Loss rate: 0.07%



Run 5: Report of LEDBAT — Data Link

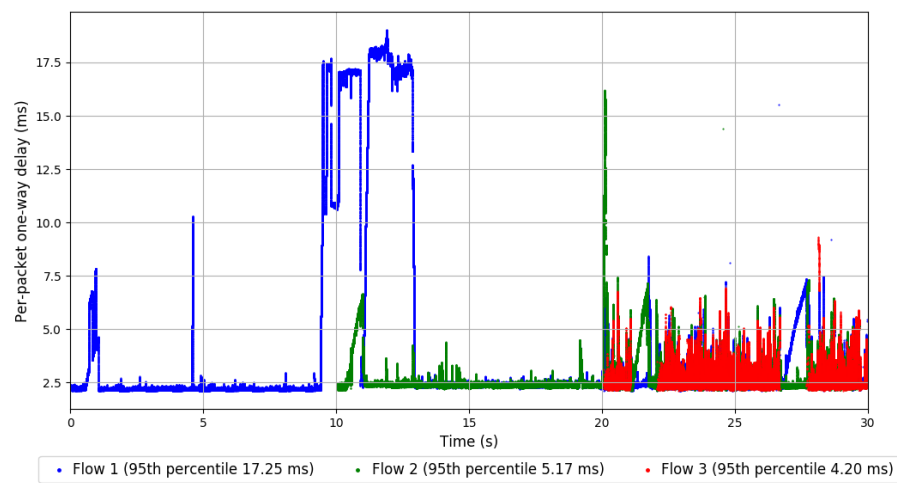
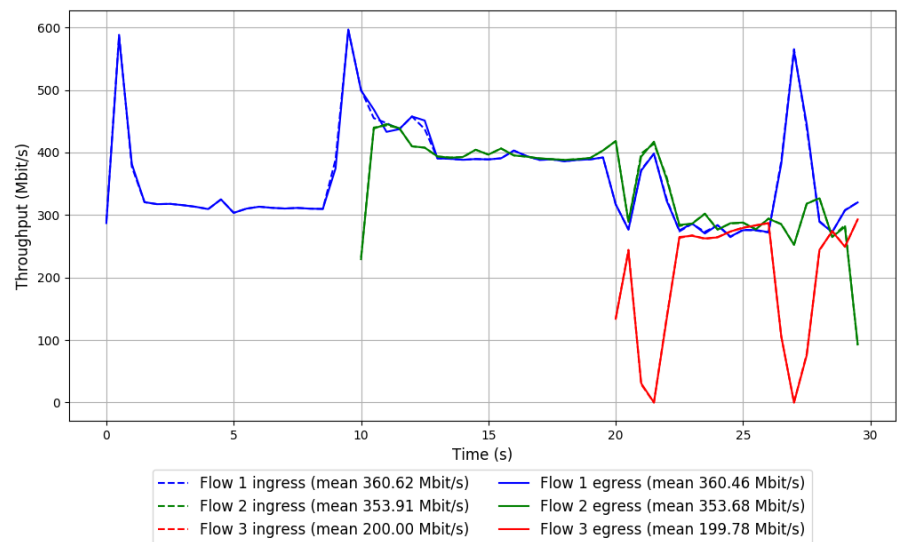


Run 6: Statistics of LEDBAT

Start at: 2017-11-30 22:52:18  
End at: 2017-11-30 22:52:48  
Local clock offset: -0.12 ms  
Remote clock offset: -0.434 ms

# Below is generated by plot.py at 2017-12-01 02:50:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 658.25 Mbit/s  
95th percentile per-packet one-way delay: 16.976 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 360.46 Mbit/s  
95th percentile per-packet one-way delay: 17.251 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 353.68 Mbit/s  
95th percentile per-packet one-way delay: 5.173 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 199.78 Mbit/s  
95th percentile per-packet one-way delay: 4.203 ms  
Loss rate: 0.12%

Run 6: Report of LEDBAT — Data Link

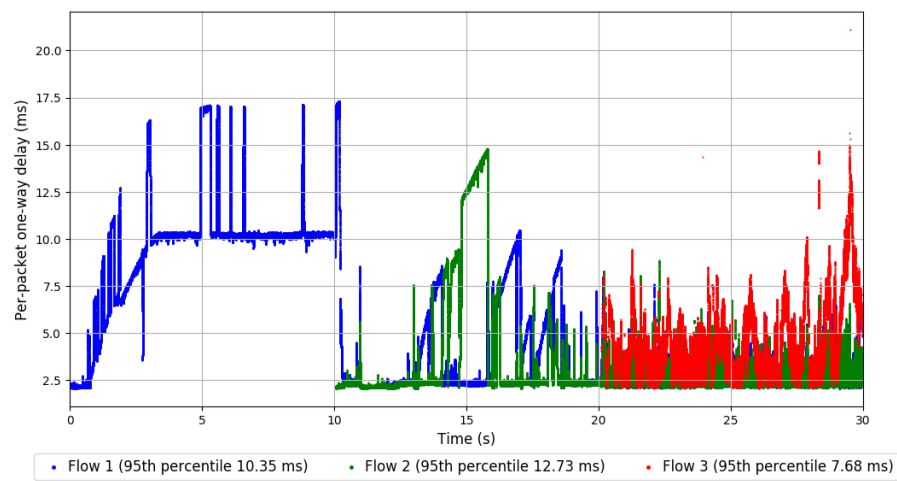
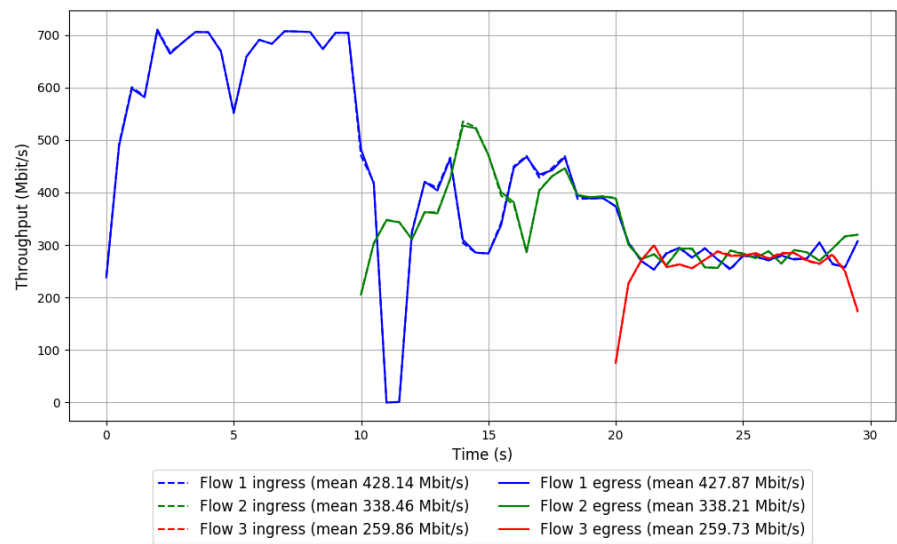


Run 7: Statistics of LEDBAT

Start at: 2017-11-30 23:11:30  
End at: 2017-11-30 23:12:00  
Local clock offset: -0.105 ms  
Remote clock offset: -0.424 ms

# Below is generated by plot.py at 2017-12-01 02:51:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 738.47 Mbit/s  
95th percentile per-packet one-way delay: 10.352 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 427.87 Mbit/s  
95th percentile per-packet one-way delay: 10.347 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 338.21 Mbit/s  
95th percentile per-packet one-way delay: 12.729 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 259.73 Mbit/s  
95th percentile per-packet one-way delay: 7.679 ms  
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-11-30 23:31:05

End at: 2017-11-30 23:31:35

Local clock offset: -0.103 ms

Remote clock offset: -0.35 ms

# Below is generated by plot.py at 2017-12-01 02:52:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 760.73 Mbit/s

95th percentile per-packet one-way delay: 10.427 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 446.76 Mbit/s

95th percentile per-packet one-way delay: 10.466 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 334.79 Mbit/s

95th percentile per-packet one-way delay: 4.406 ms

Loss rate: 0.08%

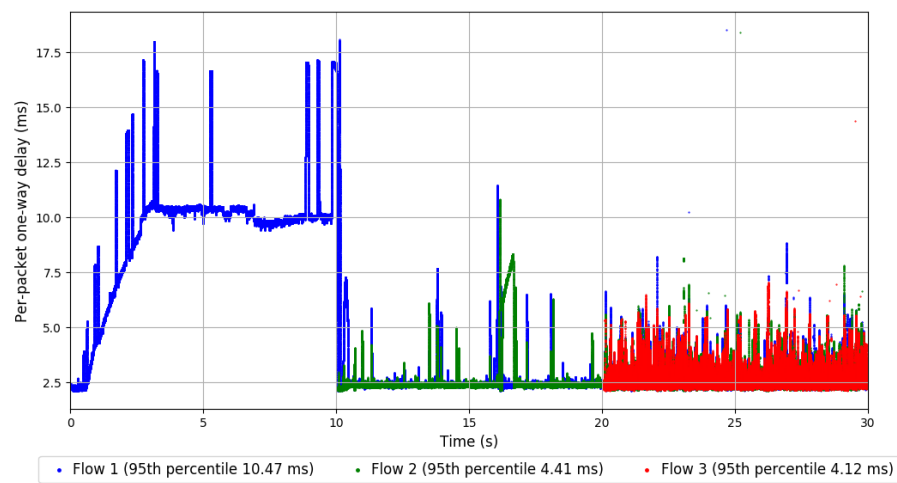
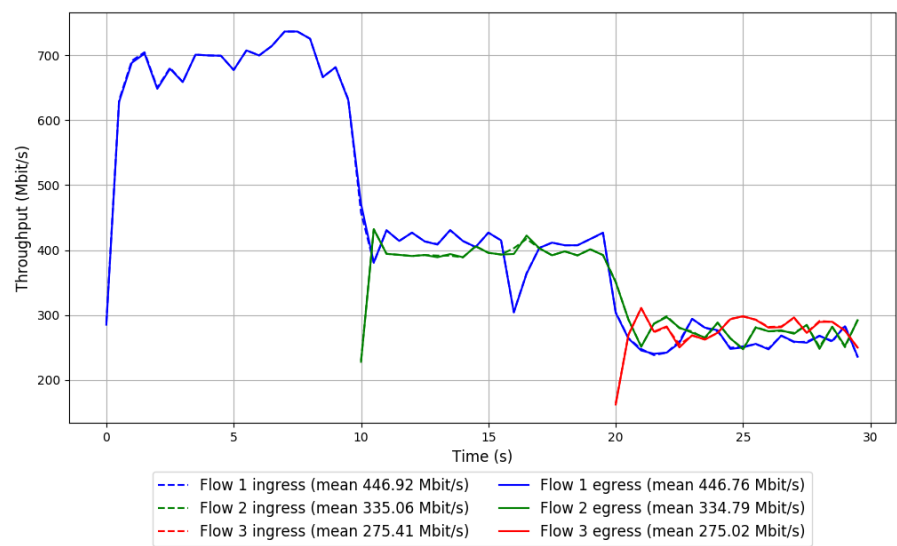
-- Flow 3:

Average throughput: 275.02 Mbit/s

95th percentile per-packet one-way delay: 4.121 ms

Loss rate: 0.14%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-11-30 23:50:35

End at: 2017-11-30 23:51:05

Local clock offset: -0.141 ms

Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2017-12-01 02:52:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 677.36 Mbit/s

95th percentile per-packet one-way delay: 12.926 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 352.50 Mbit/s

95th percentile per-packet one-way delay: 17.094 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 334.82 Mbit/s

95th percentile per-packet one-way delay: 4.376 ms

Loss rate: 0.14%

-- Flow 3:

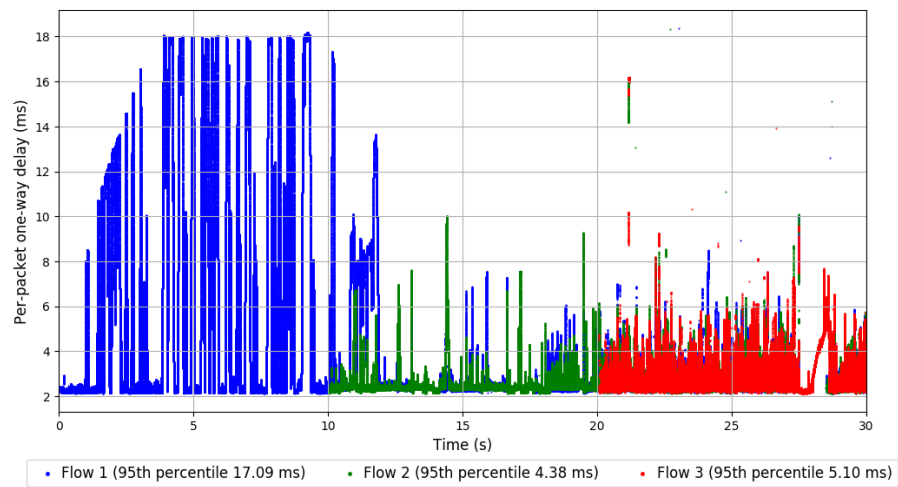
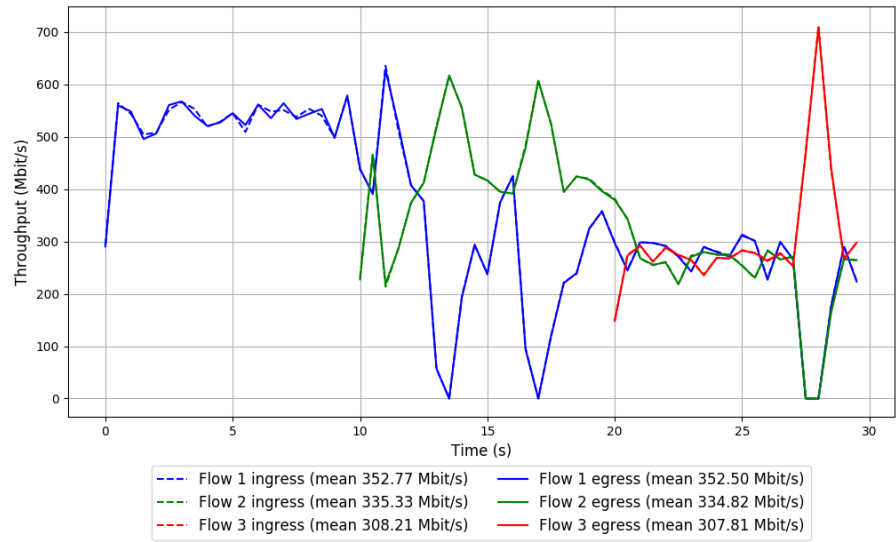
Average throughput: 307.81 Mbit/s

95th percentile per-packet one-way delay: 5.099 ms

Loss rate: 0.12%



# Run 9: Report of LEDBAT — Data Link

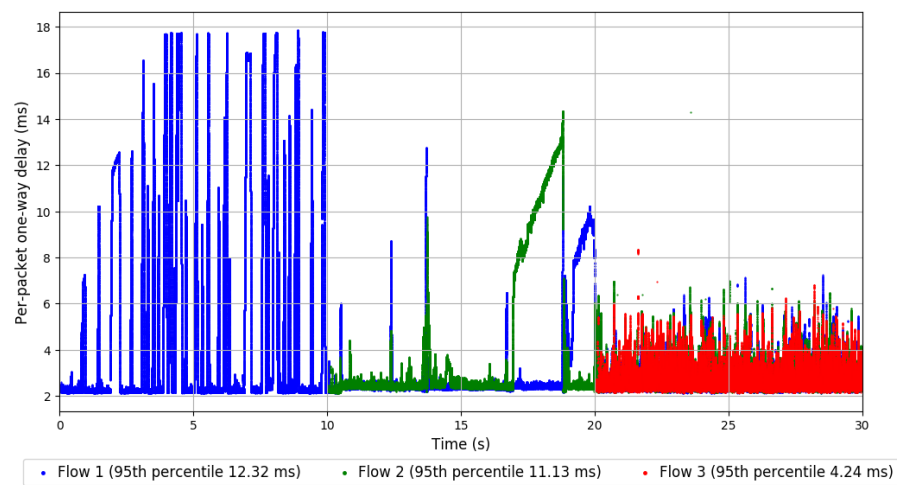
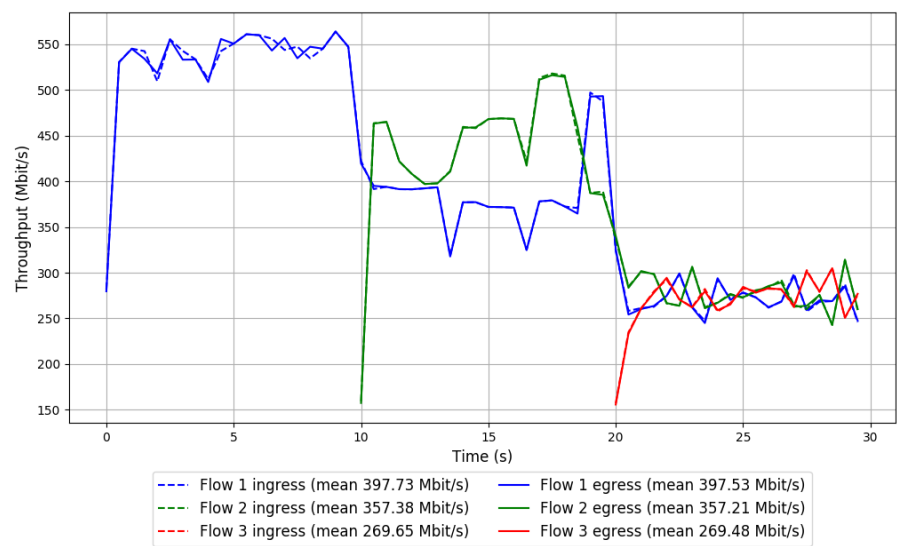


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 00:09:54  
End at: 2017-12-01 00:10:24  
Local clock offset: -0.14 ms  
Remote clock offset: -0.205 ms

# Below is generated by plot.py at 2017-12-01 02:52:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 724.67 Mbit/s  
95th percentile per-packet one-way delay: 11.345 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 397.53 Mbit/s  
95th percentile per-packet one-way delay: 12.318 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 357.21 Mbit/s  
95th percentile per-packet one-way delay: 11.135 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 269.48 Mbit/s  
95th percentile per-packet one-way delay: 4.241 ms  
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link

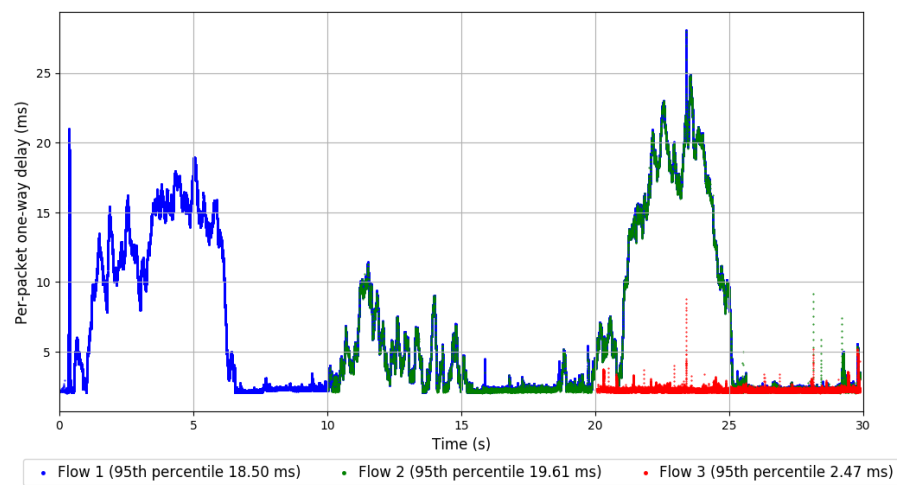
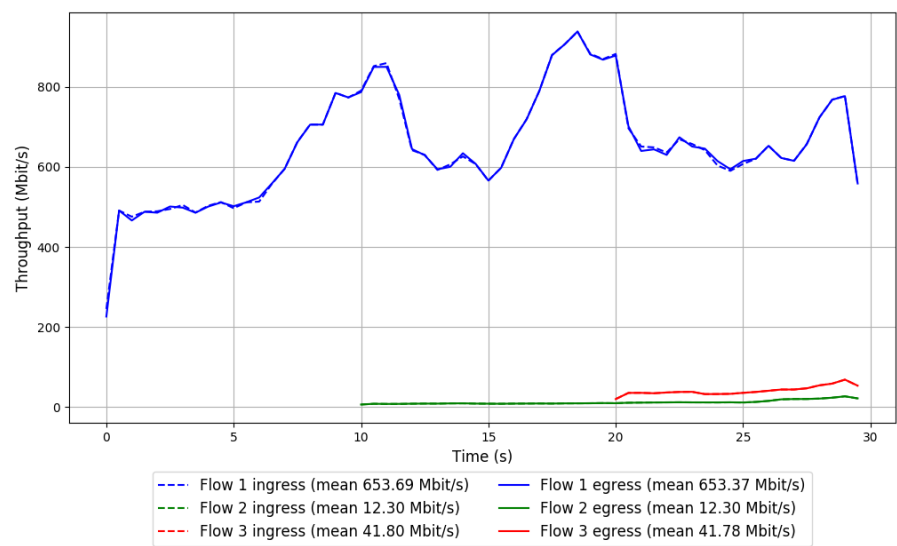


```
Run 1: Statistics of PCC

Start at: 2017-11-30 21:01:21
End at: 2017-11-30 21:01:51
Local clock offset: 0.456 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2017-12-01 02:52:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 675.29 Mbit/s
95th percentile per-packet one-way delay: 18.458 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 653.37 Mbit/s
95th percentile per-packet one-way delay: 18.498 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.01%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-11-30 21:20:43

End at: 2017-11-30 21:21:13

Local clock offset: 0.317 ms

Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2017-12-01 02:55:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 873.26 Mbit/s

95th percentile per-packet one-way delay: 86.632 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 729.19 Mbit/s

95th percentile per-packet one-way delay: 86.974 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 3.083 ms

Loss rate: 0.06%

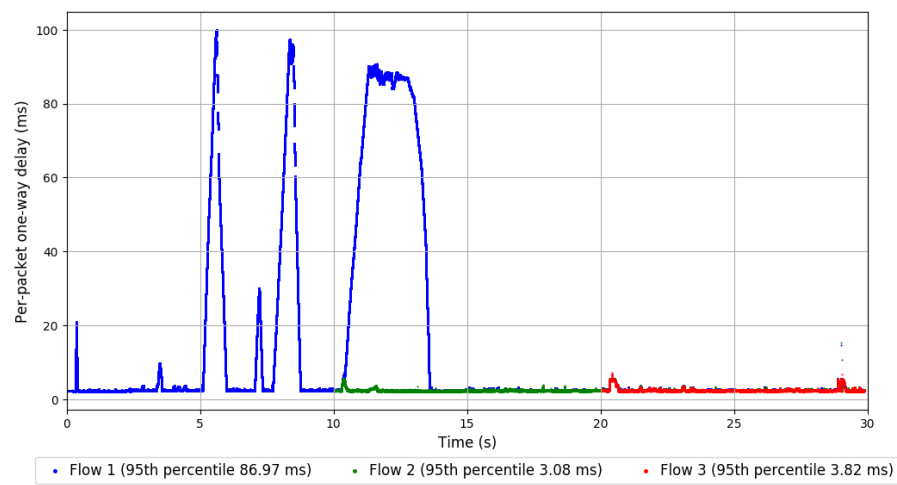
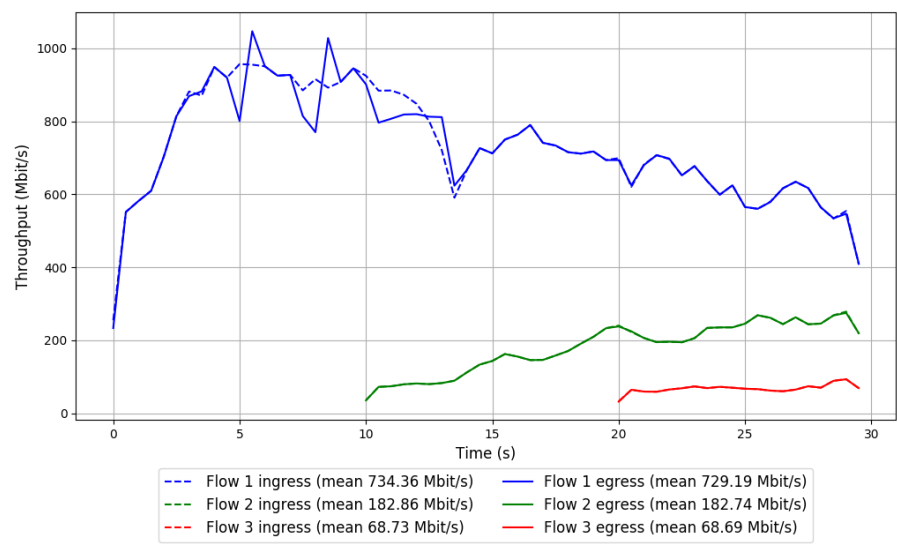
-- Flow 3:

Average throughput: 68.69 Mbit/s

95th percentile per-packet one-way delay: 3.819 ms

Loss rate: 0.06%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-11-30 21:39:58

End at: 2017-11-30 21:40:28

Local clock offset: 0.203 ms

Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2017-12-01 02:59:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 762.76 Mbit/s

95th percentile per-packet one-way delay: 19.852 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 685.52 Mbit/s

95th percentile per-packet one-way delay: 20.073 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 9.041 ms

Loss rate: 0.03%

-- Flow 3:

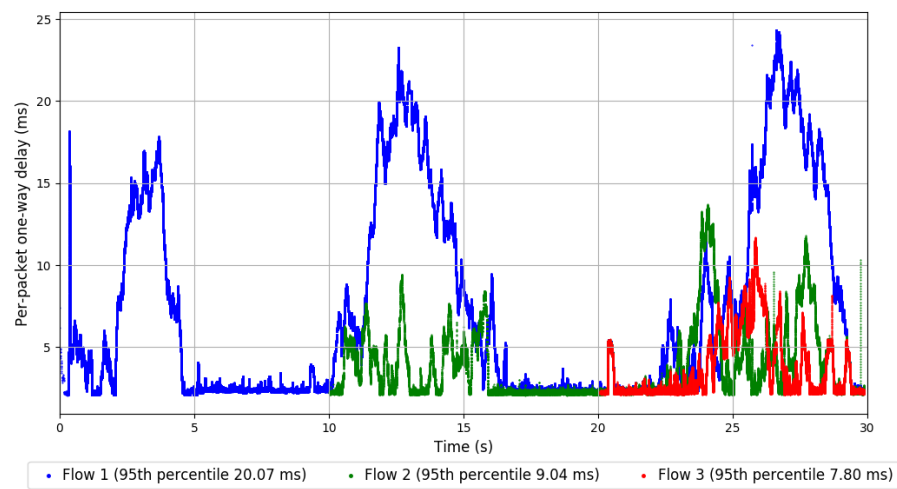
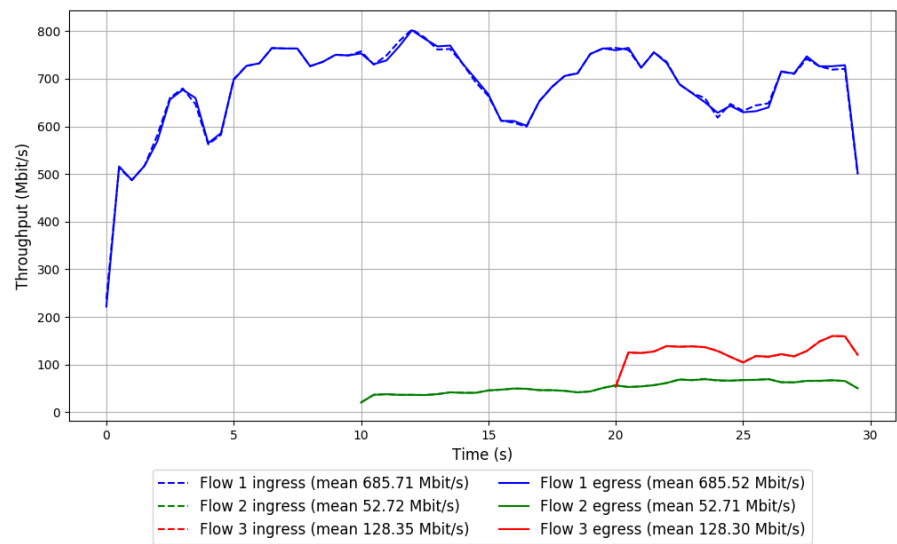
Average throughput: 128.30 Mbit/s

95th percentile per-packet one-way delay: 7.804 ms

Loss rate: 0.05%



Run 3: Report of PCC — Data Link

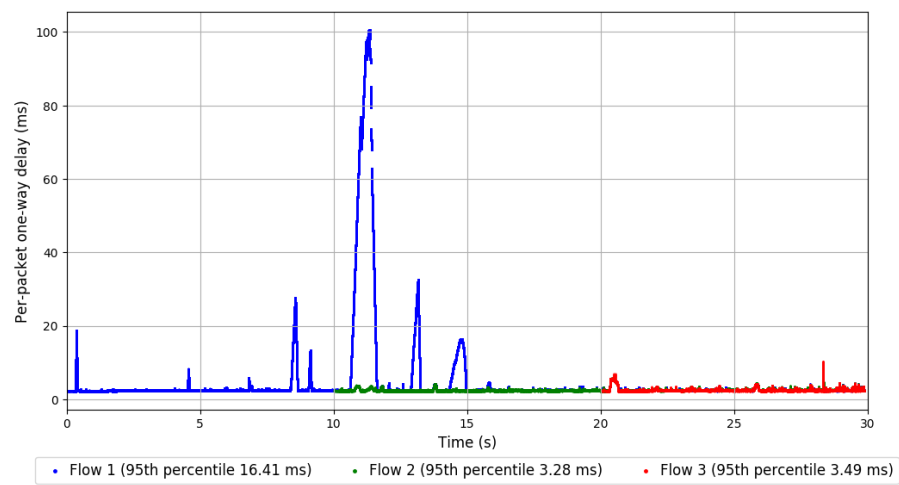
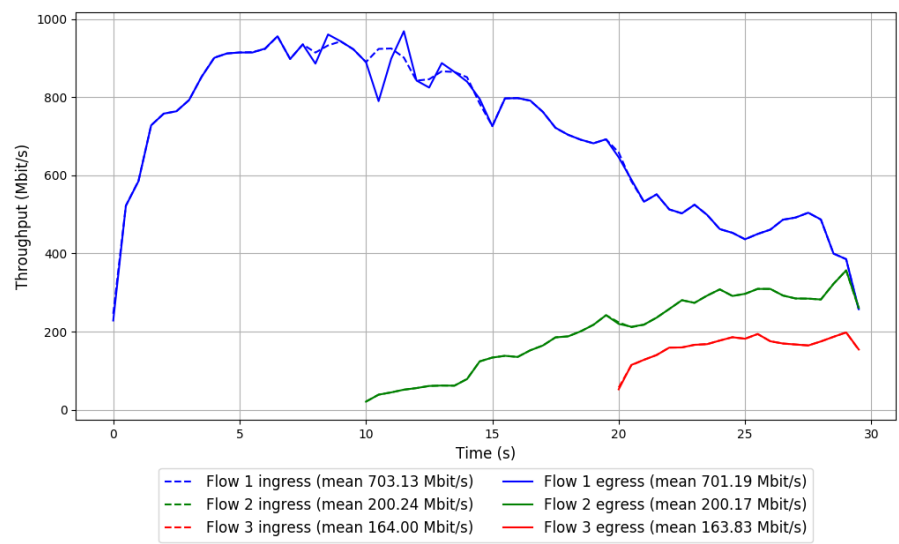


Run 4: Statistics of PCC

Start at: 2017-11-30 21:59:12  
End at: 2017-11-30 21:59:42  
Local clock offset: 0.185 ms  
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2017-12-01 03:03:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 888.19 Mbit/s  
95th percentile per-packet one-way delay: 13.264 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 701.19 Mbit/s  
95th percentile per-packet one-way delay: 16.406 ms  
Loss rate: 0.28%  
-- Flow 2:  
Average throughput: 200.17 Mbit/s  
95th percentile per-packet one-way delay: 3.282 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 163.83 Mbit/s  
95th percentile per-packet one-way delay: 3.488 ms  
Loss rate: 0.10%

Run 4: Report of PCC — Data Link

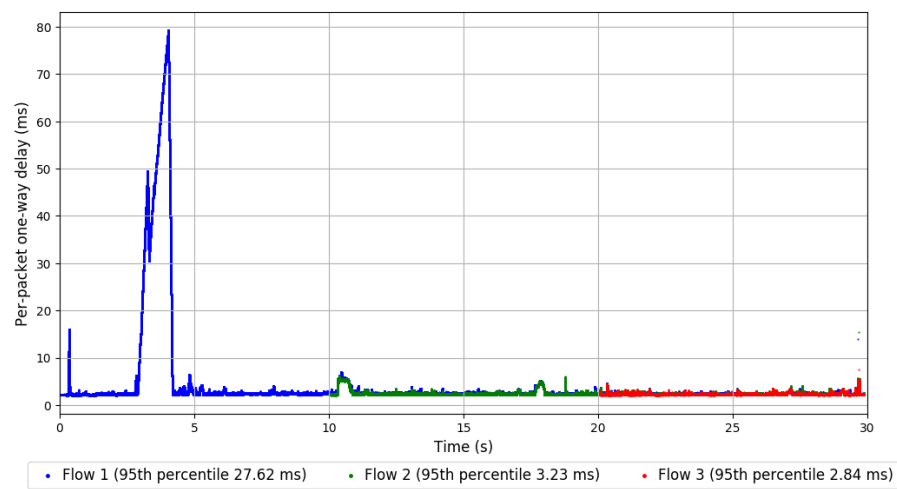
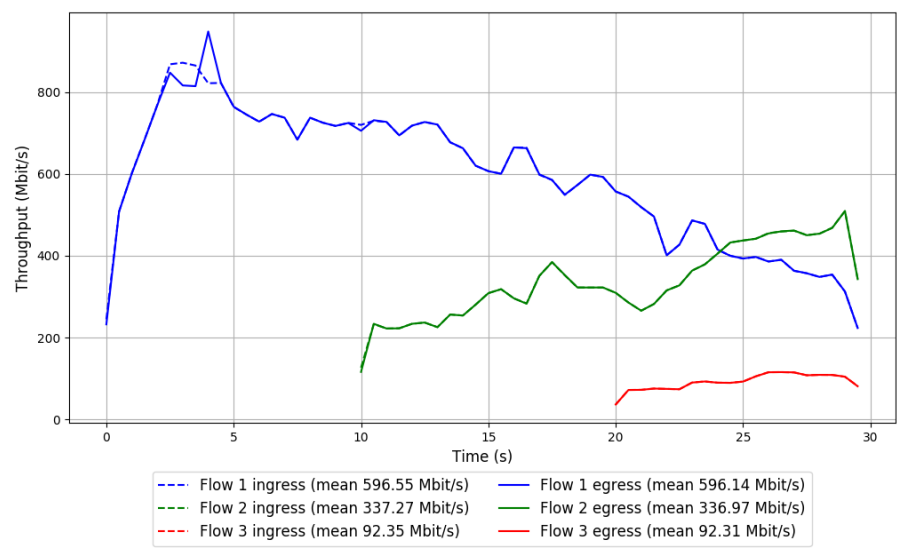


Run 5: Statistics of PCC

Start at: 2017-11-30 22:18:57  
End at: 2017-11-30 22:19:27  
Local clock offset: 0.082 ms  
Remote clock offset: -0.294 ms

# Below is generated by plot.py at 2017-12-01 03:04:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 850.56 Mbit/s  
95th percentile per-packet one-way delay: 5.555 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 596.14 Mbit/s  
95th percentile per-packet one-way delay: 27.617 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 336.97 Mbit/s  
95th percentile per-packet one-way delay: 3.233 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 92.31 Mbit/s  
95th percentile per-packet one-way delay: 2.841 ms  
Loss rate: 0.03%

Run 5: Report of PCC — Data Link

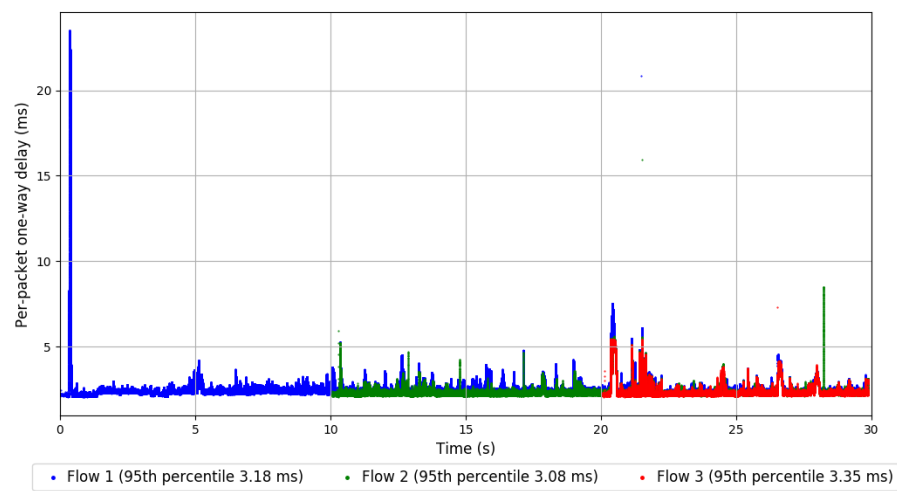
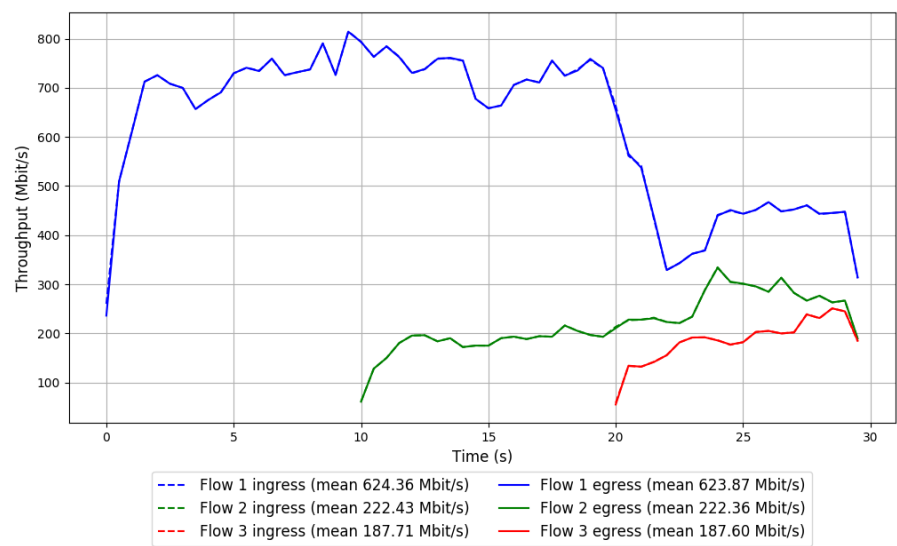


Run 6: Statistics of PCC

Start at: 2017-11-30 22:38:26  
End at: 2017-11-30 22:38:56  
Local clock offset: 0.002 ms  
Remote clock offset: -0.356 ms

# Below is generated by plot.py at 2017-12-01 03:04:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 833.21 Mbit/s  
95th percentile per-packet one-way delay: 3.175 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 623.87 Mbit/s  
95th percentile per-packet one-way delay: 3.182 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 222.36 Mbit/s  
95th percentile per-packet one-way delay: 3.083 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 187.60 Mbit/s  
95th percentile per-packet one-way delay: 3.350 ms  
Loss rate: 0.06%

Run 6: Report of PCC — Data Link



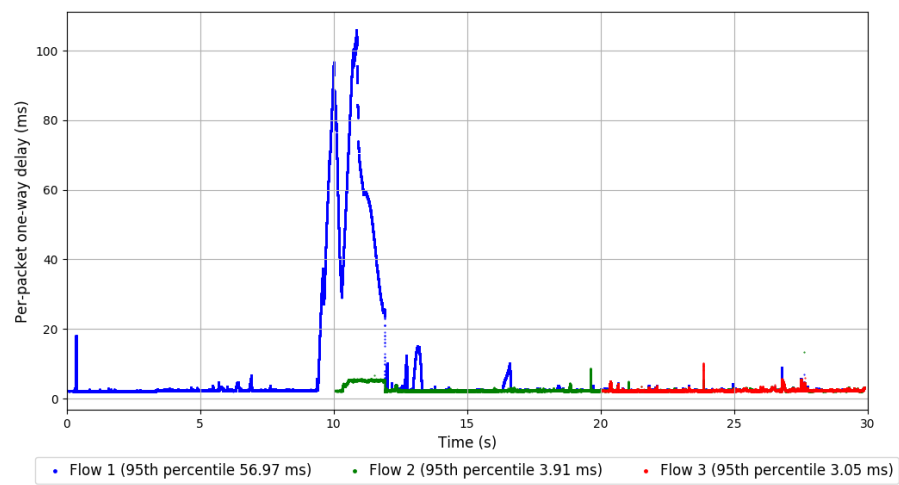
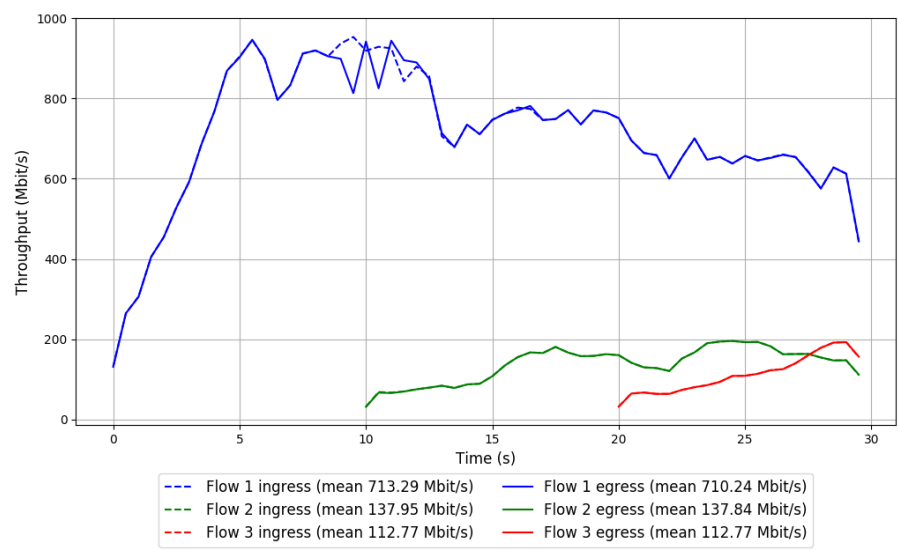
Run 7: Statistics of PCC

Start at: 2017-11-30 22:57:31  
End at: 2017-11-30 22:58:01  
Local clock offset: -0.059 ms  
Remote clock offset: -0.368 ms

# Below is generated by plot.py at 2017-12-01 03:04:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 838.85 Mbit/s  
95th percentile per-packet one-way delay: 51.270 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 710.24 Mbit/s  
95th percentile per-packet one-way delay: 56.968 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 137.84 Mbit/s  
95th percentile per-packet one-way delay: 3.912 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 112.77 Mbit/s  
95th percentile per-packet one-way delay: 3.051 ms  
Loss rate: 0.02%



Run 7: Report of PCC — Data Link

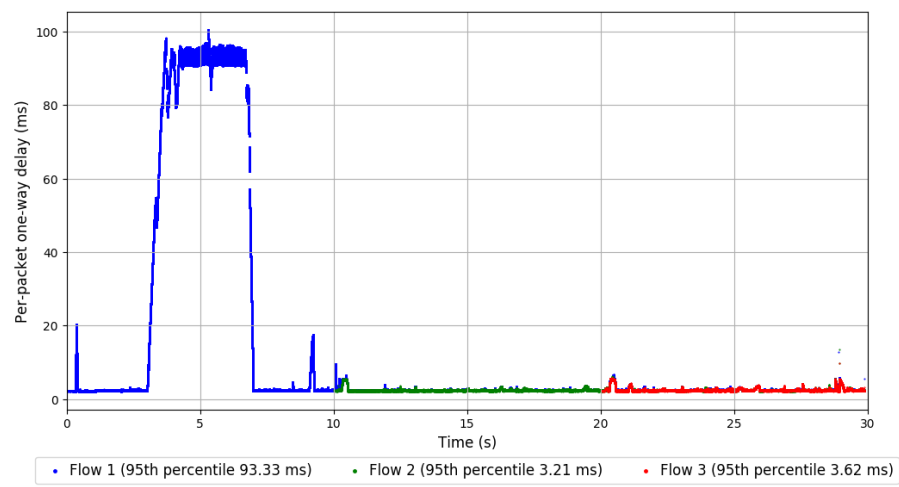
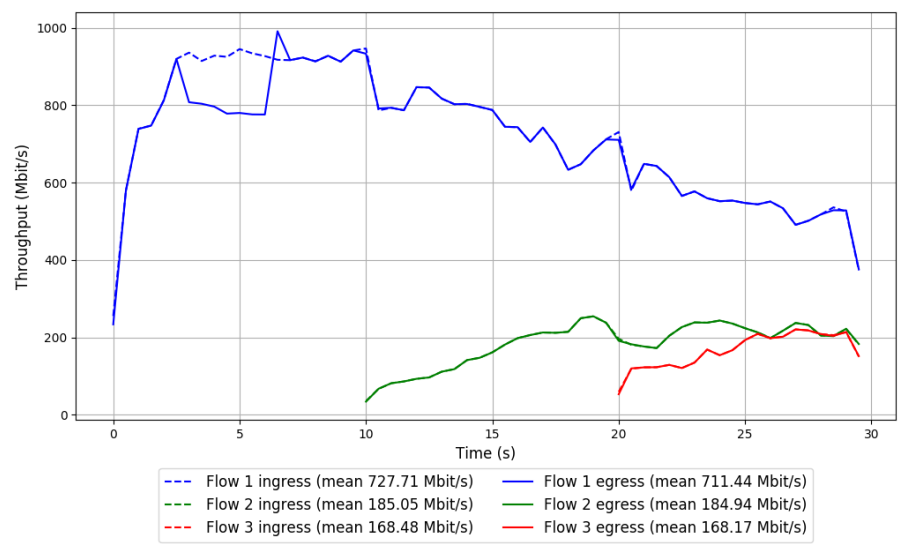


Run 8: Statistics of PCC

Start at: 2017-11-30 23:17:00  
End at: 2017-11-30 23:17:30  
Local clock offset: -0.103 ms  
Remote clock offset: -0.363 ms

# Below is generated by plot.py at 2017-12-01 03:06:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 889.69 Mbit/s  
95th percentile per-packet one-way delay: 92.559 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 711.44 Mbit/s  
95th percentile per-packet one-way delay: 93.335 ms  
Loss rate: 2.23%  
-- Flow 2:  
Average throughput: 184.94 Mbit/s  
95th percentile per-packet one-way delay: 3.206 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 168.17 Mbit/s  
95th percentile per-packet one-way delay: 3.616 ms  
Loss rate: 0.17%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-11-30 23:36:35

End at: 2017-11-30 23:37:05

Local clock offset: -0.148 ms

Remote clock offset: -0.33 ms

# Below is generated by plot.py at 2017-12-01 03:06:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 848.33 Mbit/s

95th percentile per-packet one-way delay: 79.942 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 635.66 Mbit/s

95th percentile per-packet one-way delay: 91.596 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 236.52 Mbit/s

95th percentile per-packet one-way delay: 5.070 ms

Loss rate: 0.13%

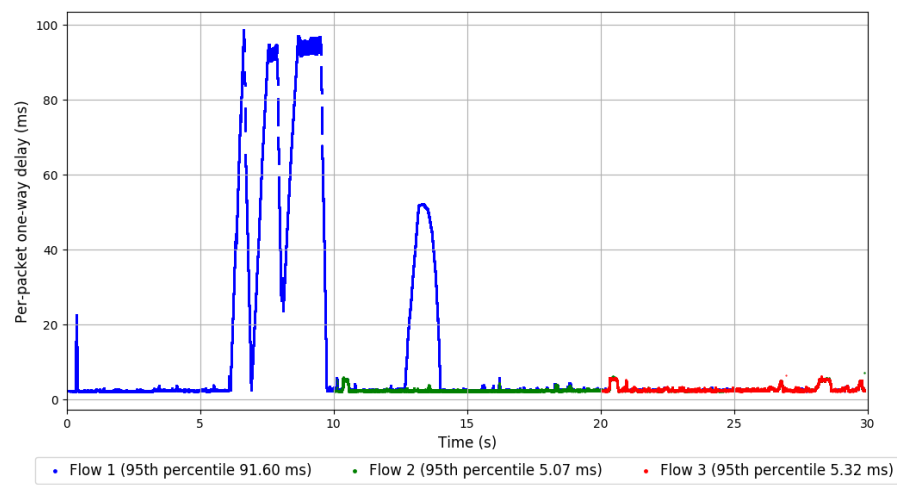
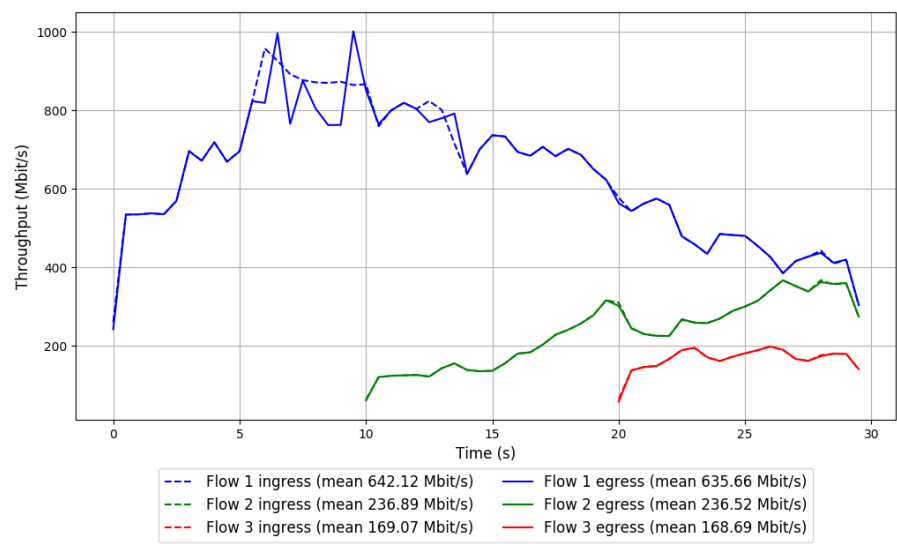
-- Flow 3:

Average throughput: 168.69 Mbit/s

95th percentile per-packet one-way delay: 5.315 ms

Loss rate: 0.22%

Run 9: Report of PCC — Data Link

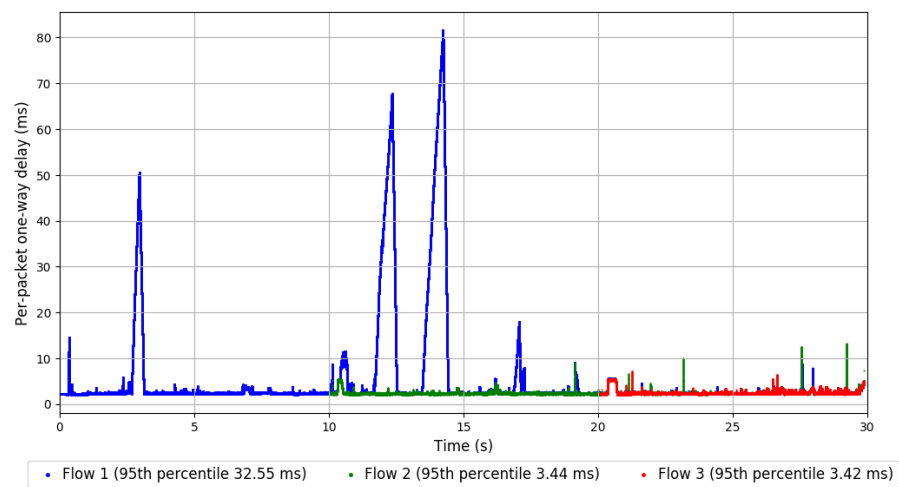
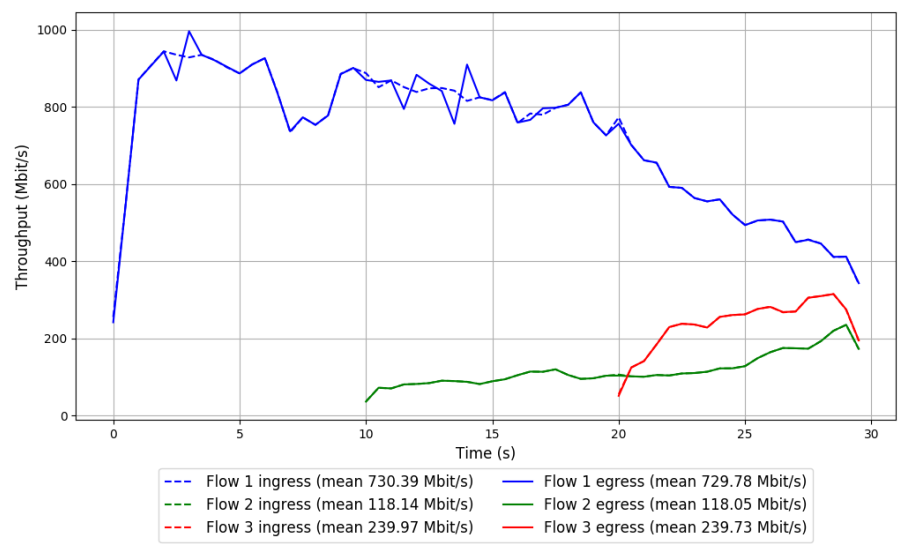


Run 10: Statistics of PCC

Start at: 2017-11-30 23:55:57  
End at: 2017-11-30 23:56:27  
Local clock offset: -0.115 ms  
Remote clock offset: -0.302 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 887.00 Mbit/s  
95th percentile per-packet one-way delay: 24.748 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 729.78 Mbit/s  
95th percentile per-packet one-way delay: 32.552 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 118.05 Mbit/s  
95th percentile per-packet one-way delay: 3.438 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 239.73 Mbit/s  
95th percentile per-packet one-way delay: 3.415 ms  
Loss rate: 0.07%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 21:00:14

End at: 2017-11-30 21:00:44

Local clock offset: 0.44 ms

Remote clock offset: 0.133 ms

# Below is generated by plot.py at 2017-12-01 03:09:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.24 Mbit/s

95th percentile per-packet one-way delay: 4.061 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 4.351 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 79.22 Mbit/s

95th percentile per-packet one-way delay: 3.963 ms

Loss rate: 0.00%

-- Flow 3:

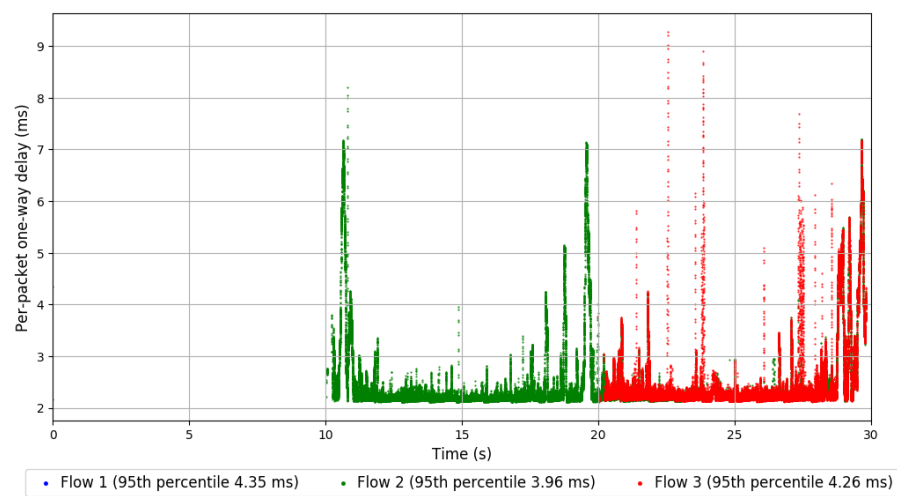
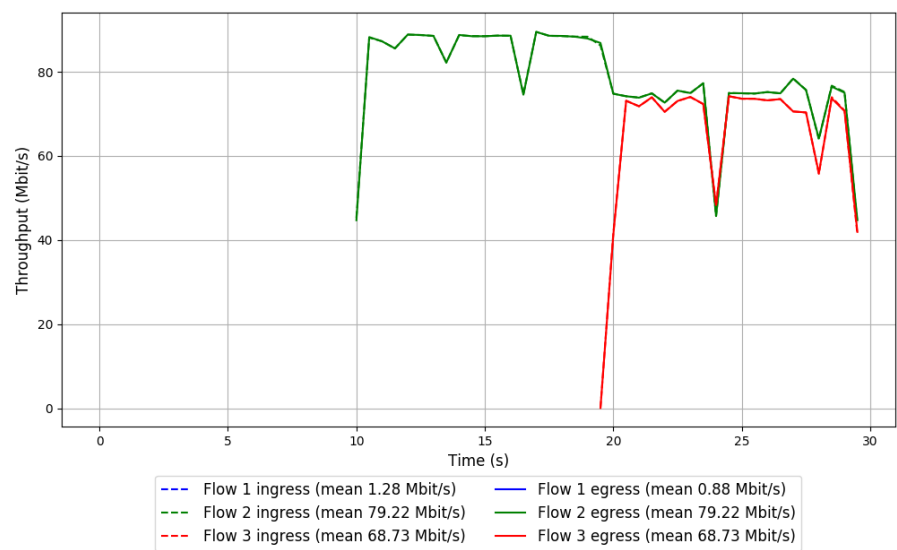
Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 4.260 ms

Loss rate: 0.00%



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 21:19:34

End at: 2017-11-30 21:20:04

Local clock offset: 0.284 ms

Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2017-12-01 03:09:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 125.40 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.72 Mbit/s

95th percentile per-packet one-way delay: 2.309 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.53 Mbit/s

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

Loss rate: 0.00%

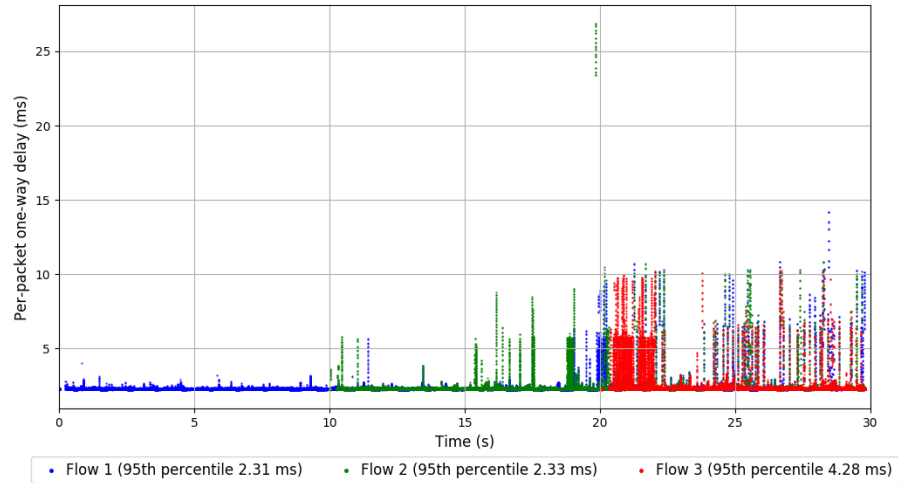
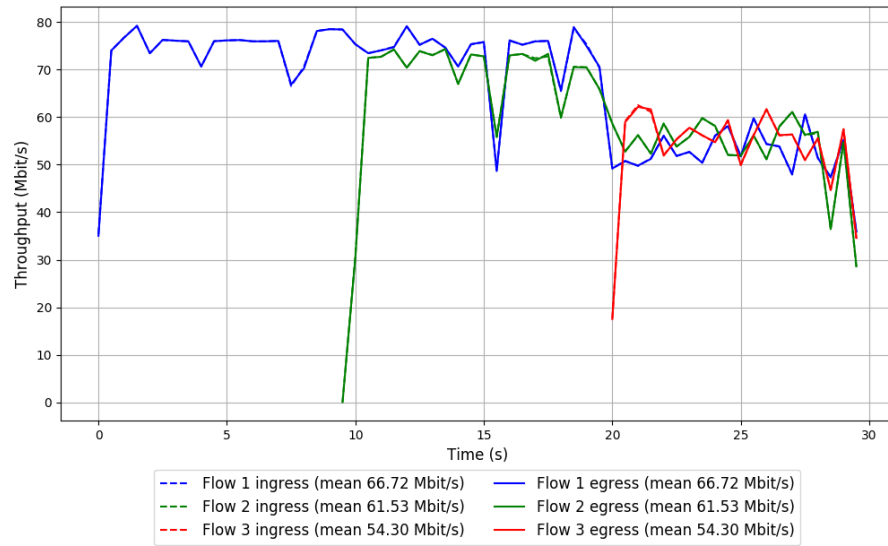
-- Flow 3:

Average throughput: 54.30 Mbit/s

95th percentile per-packet one-way delay: 4.278 ms

Loss rate: 0.00%

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

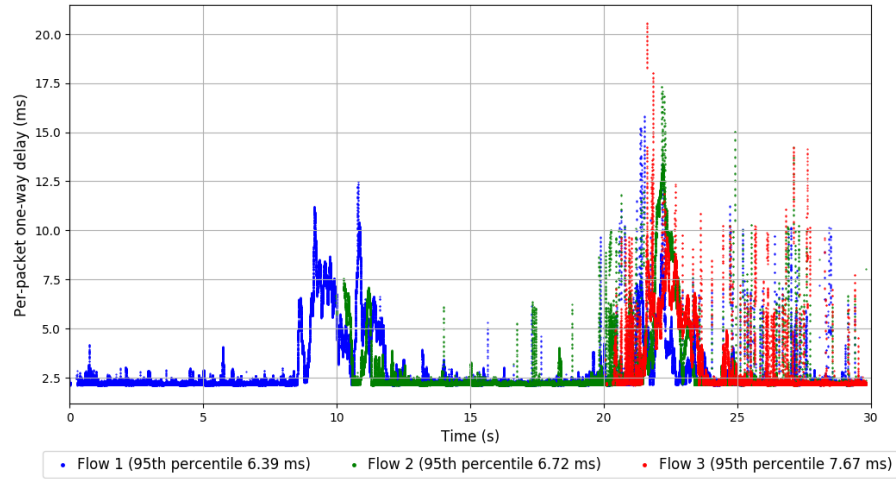
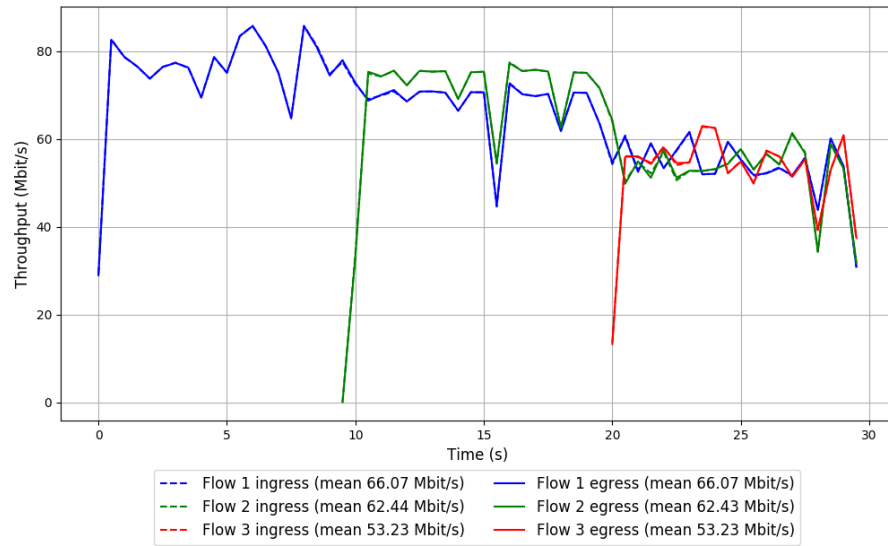


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 21:38:48  
End at: 2017-11-30 21:39:19  
Local clock offset: 0.209 ms  
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.06 Mbit/s  
95th percentile per-packet one-way delay: 6.753 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 66.07 Mbit/s  
95th percentile per-packet one-way delay: 6.393 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.43 Mbit/s  
95th percentile per-packet one-way delay: 6.725 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.23 Mbit/s  
95th percentile per-packet one-way delay: 7.665 ms  
Loss rate: 0.00%

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

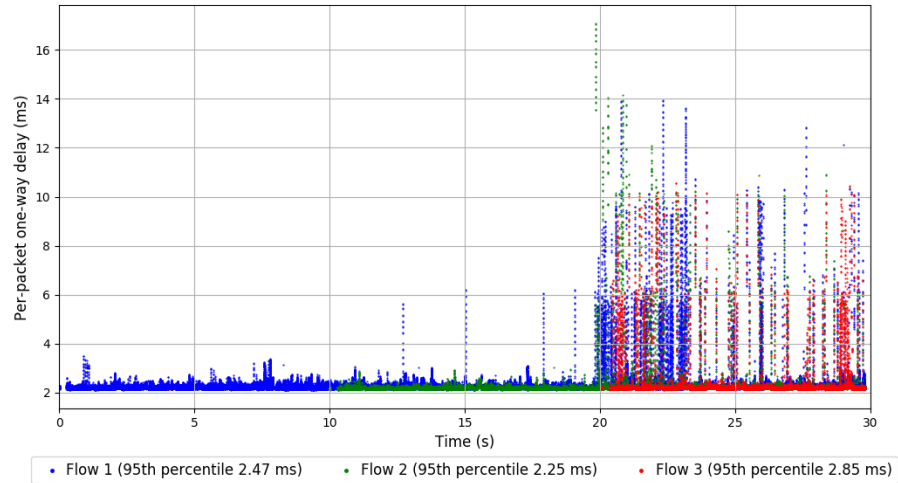
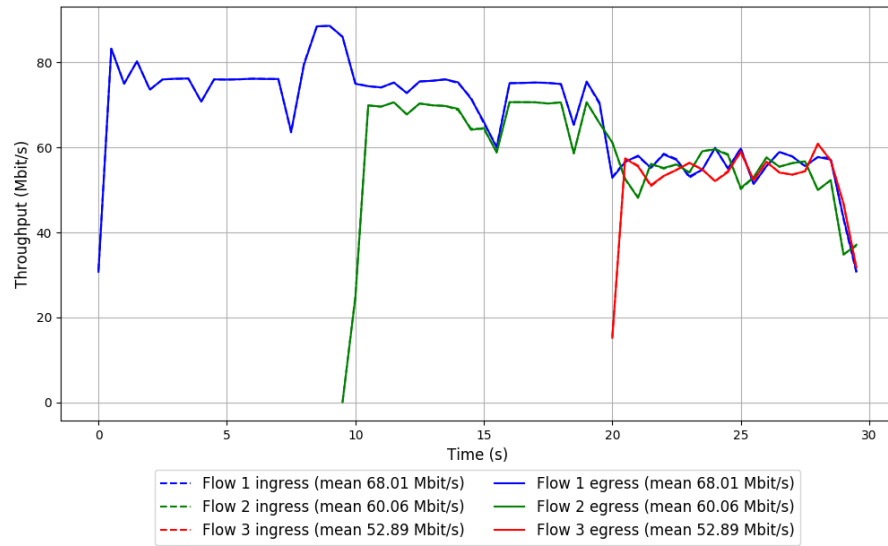


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 21:58:02  
End at: 2017-11-30 21:58:32  
Local clock offset: 0.18 ms  
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.27 Mbit/s  
95th percentile per-packet one-way delay: 2.400 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.01 Mbit/s  
95th percentile per-packet one-way delay: 2.472 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 60.06 Mbit/s  
95th percentile per-packet one-way delay: 2.254 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.89 Mbit/s  
95th percentile per-packet one-way delay: 2.845 ms  
Loss rate: 0.00%

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



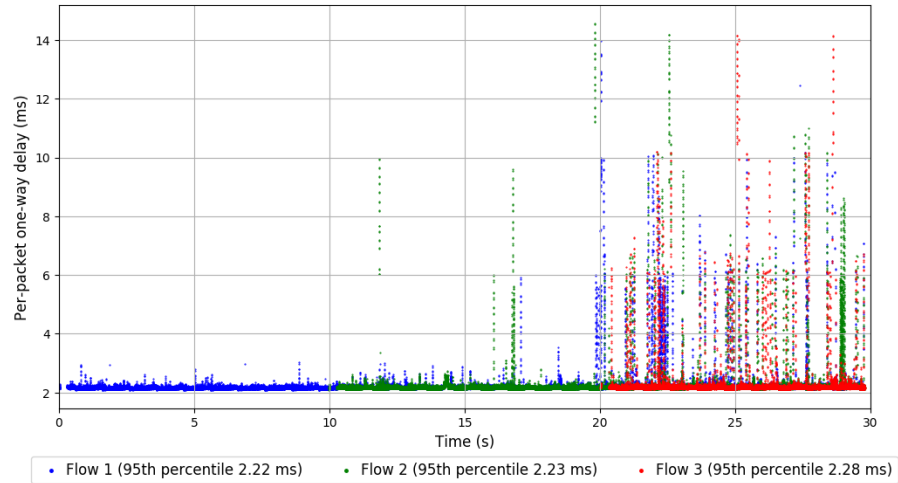
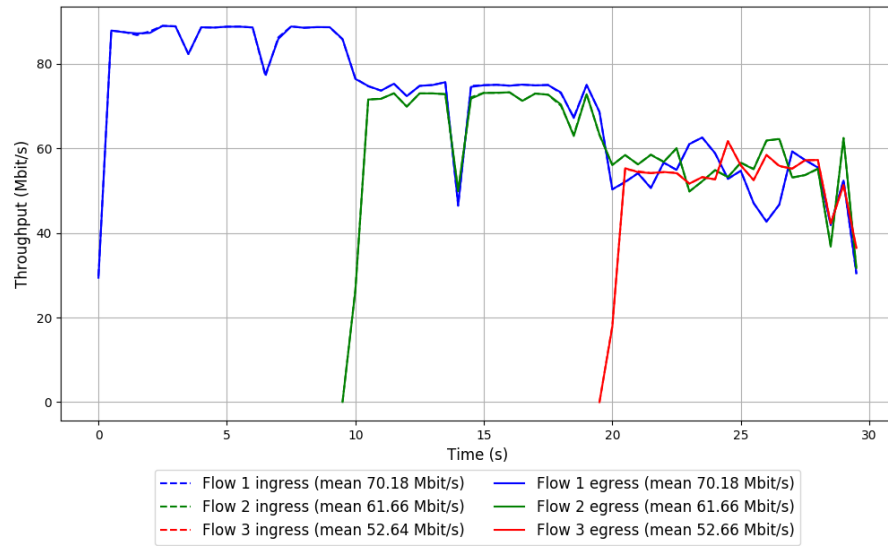
Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 22:17:47  
End at: 2017-11-30 22:18:17  
Local clock offset: 0.026 ms  
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 128.53 Mbit/s  
95th percentile per-packet one-way delay: 2.232 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.18 Mbit/s  
95th percentile per-packet one-way delay: 2.222 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.66 Mbit/s  
95th percentile per-packet one-way delay: 2.235 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.66 Mbit/s  
95th percentile per-packet one-way delay: 2.280 ms  
Loss rate: 0.00%



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

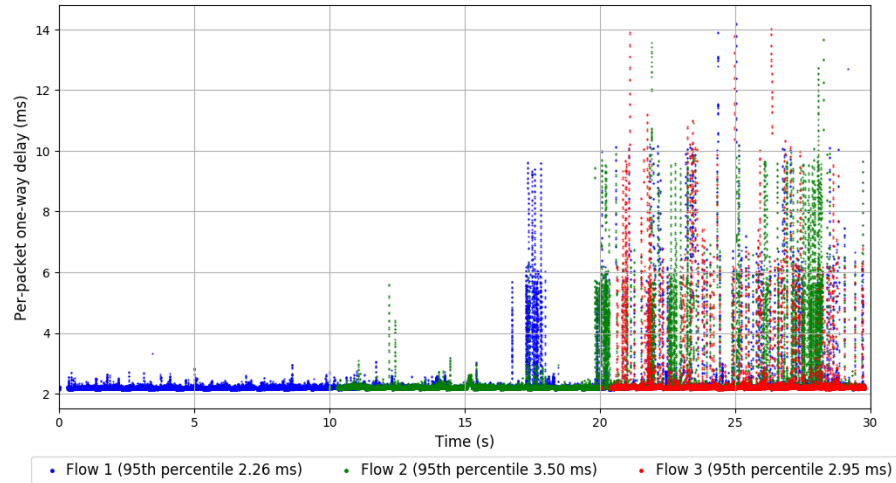
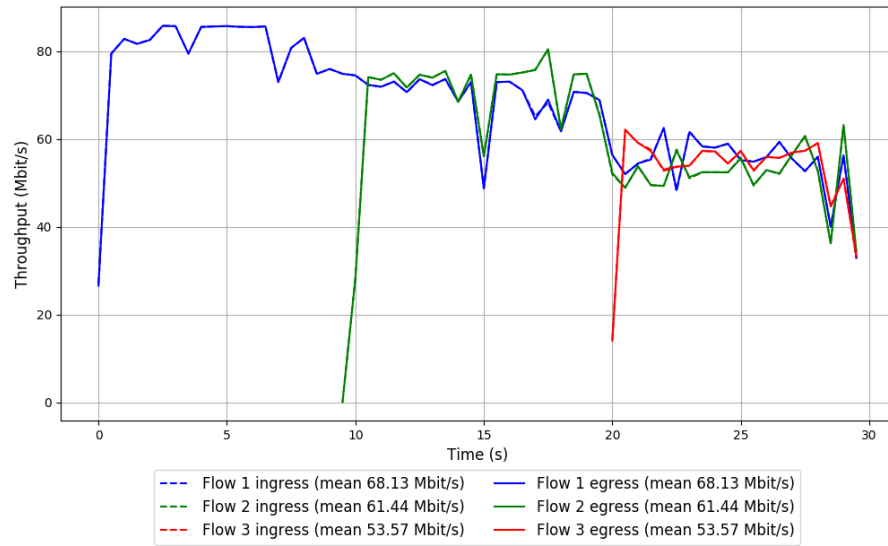


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 22:37:17  
End at: 2017-11-30 22:37:47  
Local clock offset: -0.009 ms  
Remote clock offset: -0.287 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 126.59 Mbit/s  
95th percentile per-packet one-way delay: 2.329 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.13 Mbit/s  
95th percentile per-packet one-way delay: 2.263 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.44 Mbit/s  
95th percentile per-packet one-way delay: 3.497 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.57 Mbit/s  
95th percentile per-packet one-way delay: 2.947 ms  
Loss rate: 0.00%

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

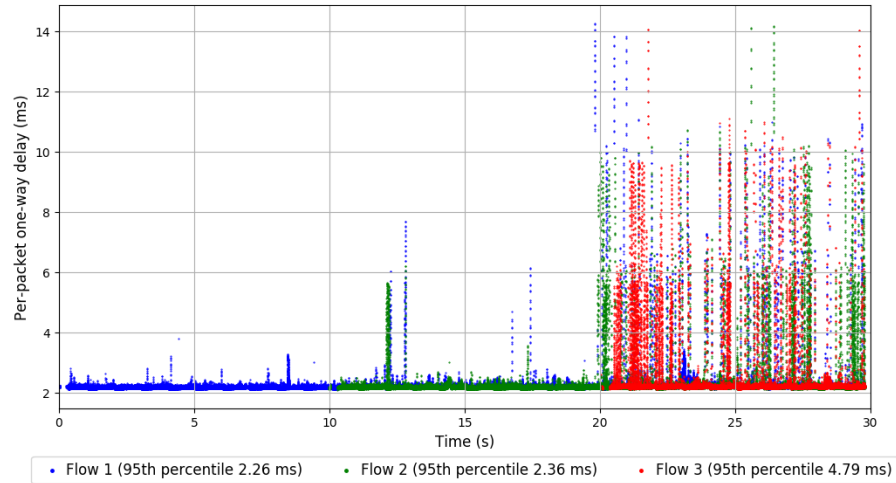
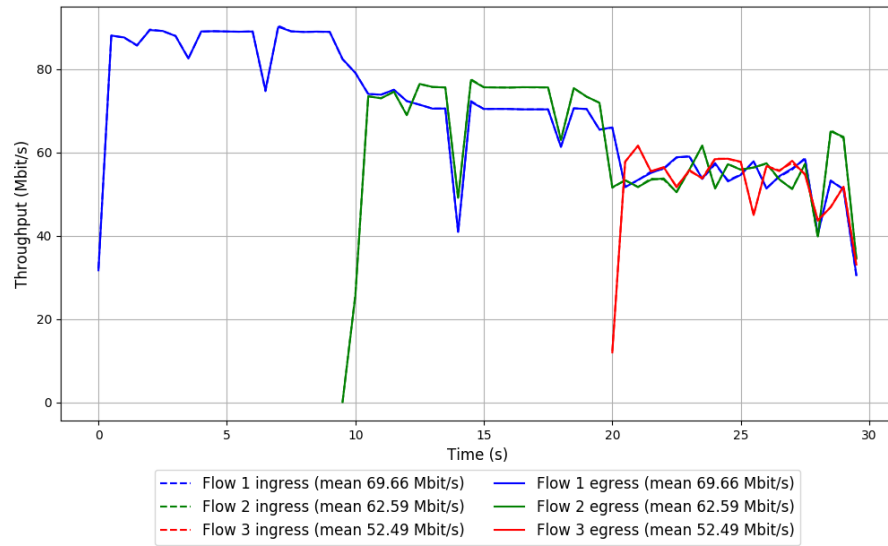


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 22:56:21  
End at: 2017-11-30 22:56:51  
Local clock offset: -0.078 ms  
Remote clock offset: -0.376 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 128.47 Mbit/s  
95th percentile per-packet one-way delay: 2.329 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 69.66 Mbit/s  
95th percentile per-packet one-way delay: 2.262 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.59 Mbit/s  
95th percentile per-packet one-way delay: 2.364 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.49 Mbit/s  
95th percentile per-packet one-way delay: 4.792 ms  
Loss rate: 0.00%

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

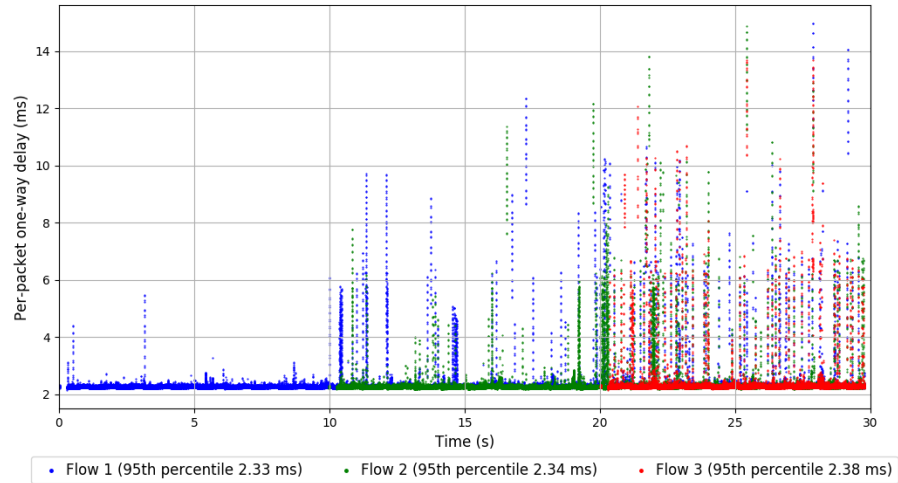
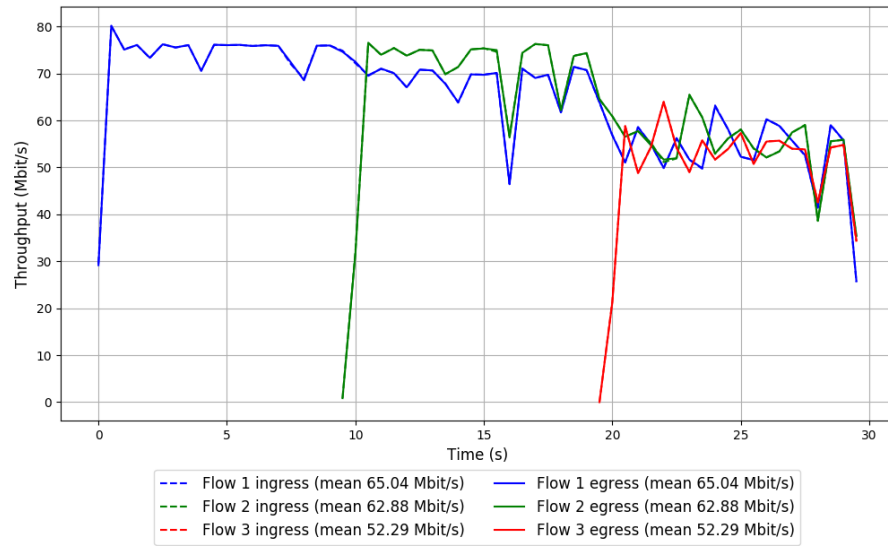


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 23:15:51  
End at: 2017-11-30 23:16:21  
Local clock offset: -0.166 ms  
Remote clock offset: -0.355 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 124.10 Mbit/s  
95th percentile per-packet one-way delay: 2.336 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 65.04 Mbit/s  
95th percentile per-packet one-way delay: 2.326 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.88 Mbit/s  
95th percentile per-packet one-way delay: 2.339 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.29 Mbit/s  
95th percentile per-packet one-way delay: 2.380 ms  
Loss rate: 0.00%

## Run 8: Report of QUIC Cubic — Data Link



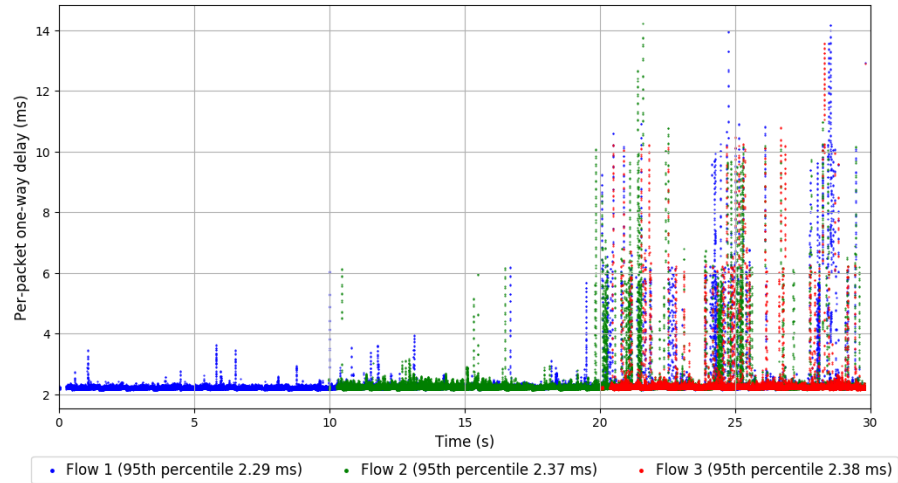
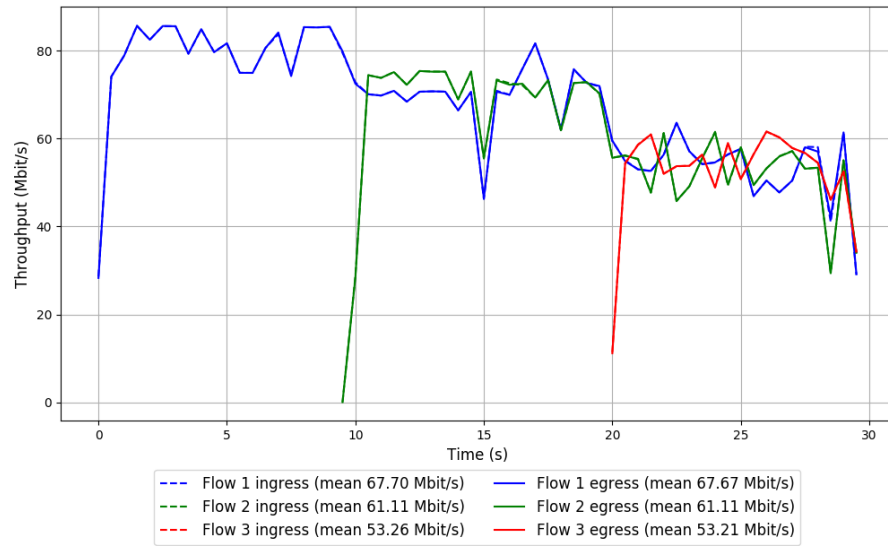
Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 23:35:26  
End at: 2017-11-30 23:35:56  
Local clock offset: -0.144 ms  
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.77 Mbit/s  
95th percentile per-packet one-way delay: 2.316 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 2.286 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.11 Mbit/s  
95th percentile per-packet one-way delay: 2.370 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.21 Mbit/s  
95th percentile per-packet one-way delay: 2.380 ms  
Loss rate: 0.00%



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

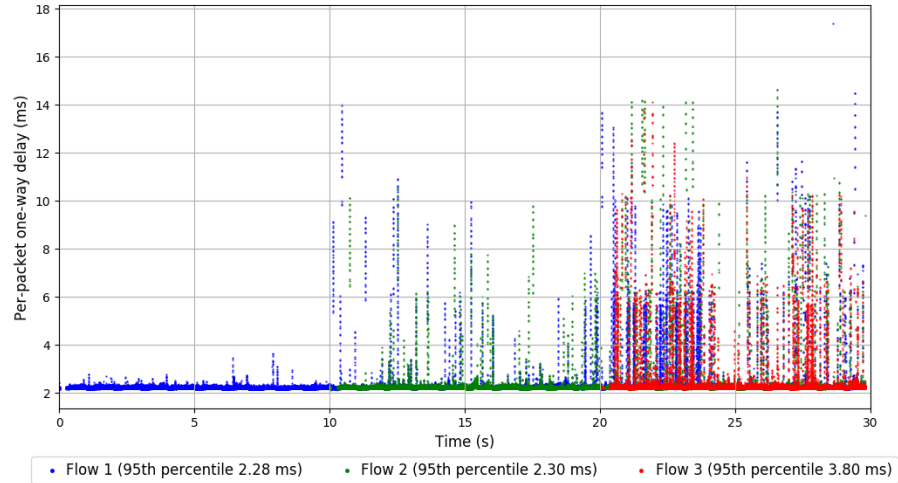
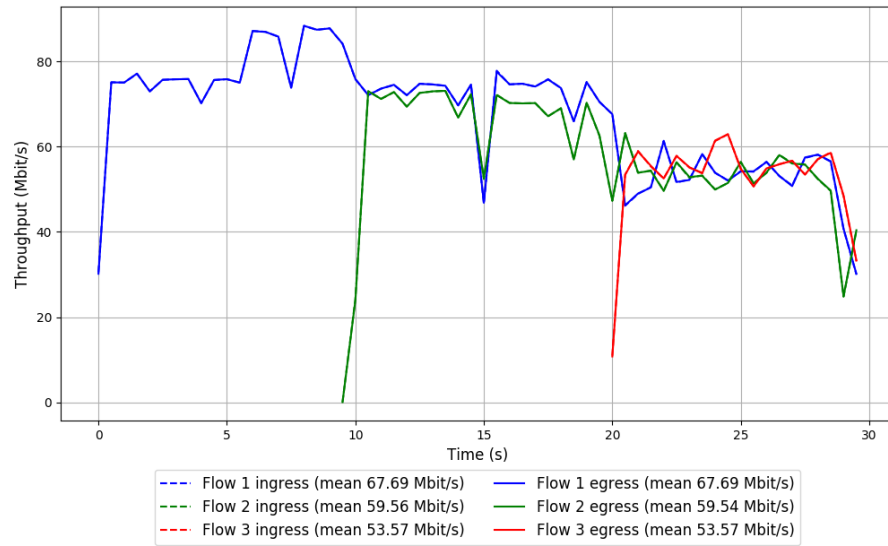


Run 10: Statistics of QUIC Cubic

Start at: 2017-11-30 23:54:47  
End at: 2017-11-30 23:55:17  
Local clock offset: -0.143 ms  
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 124.80 Mbit/s  
95th percentile per-packet one-way delay: 2.310 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.69 Mbit/s  
95th percentile per-packet one-way delay: 2.283 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 59.54 Mbit/s  
95th percentile per-packet one-way delay: 2.303 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.57 Mbit/s  
95th percentile per-packet one-way delay: 3.800 ms  
Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link

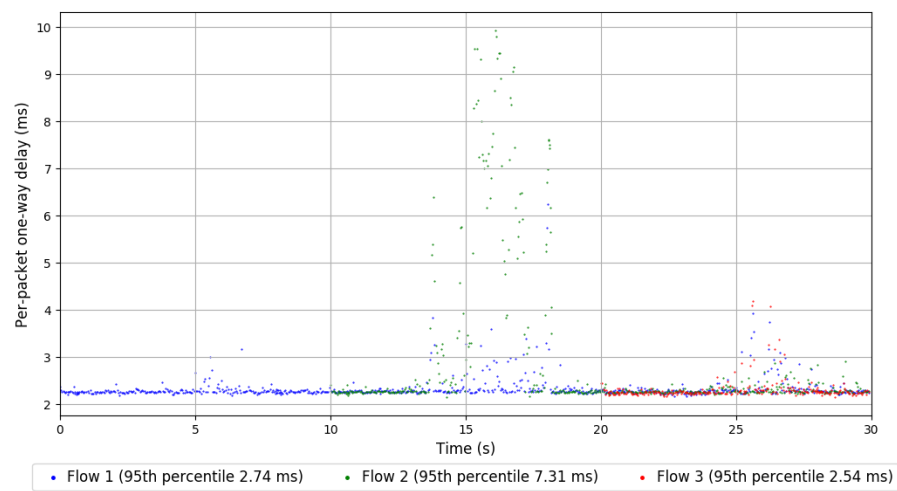
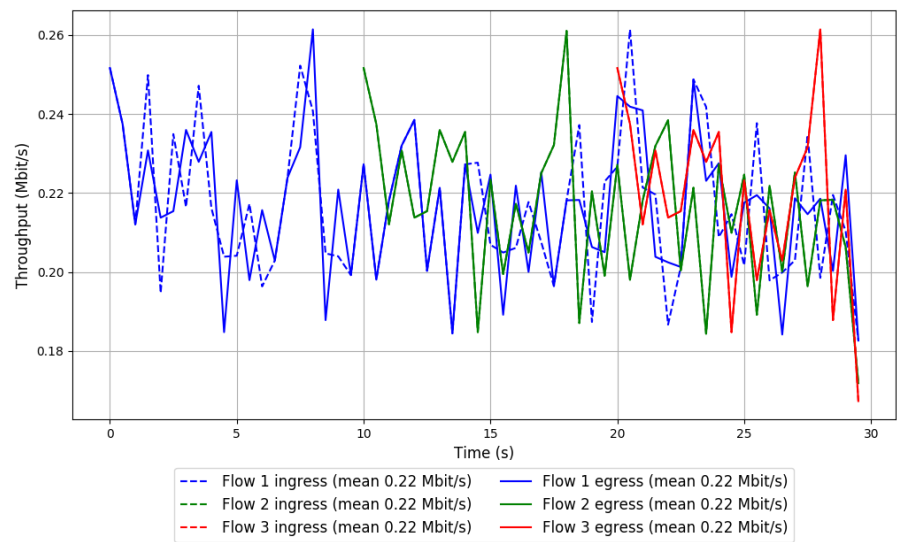


```
Run 1: Statistics of SReAM

Start at: 2017-11-30 21:04:07
End at: 2017-11-30 21:04:37
Local clock offset: 0.418 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2017-12-01 03:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.543 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2017-11-30 21:23:37

End at: 2017-11-30 21:24:07

Local clock offset: 0.316 ms

Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2017-12-01 03:09:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.289 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.282 ms

Loss rate: 0.00%

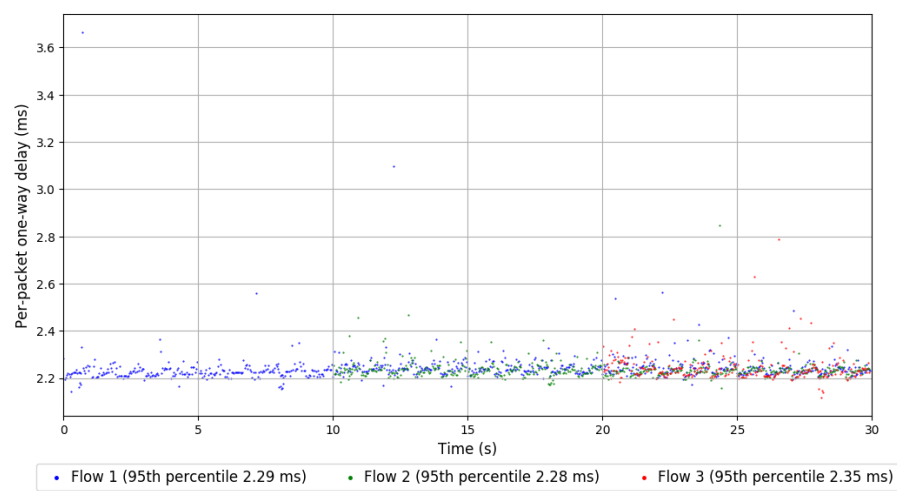
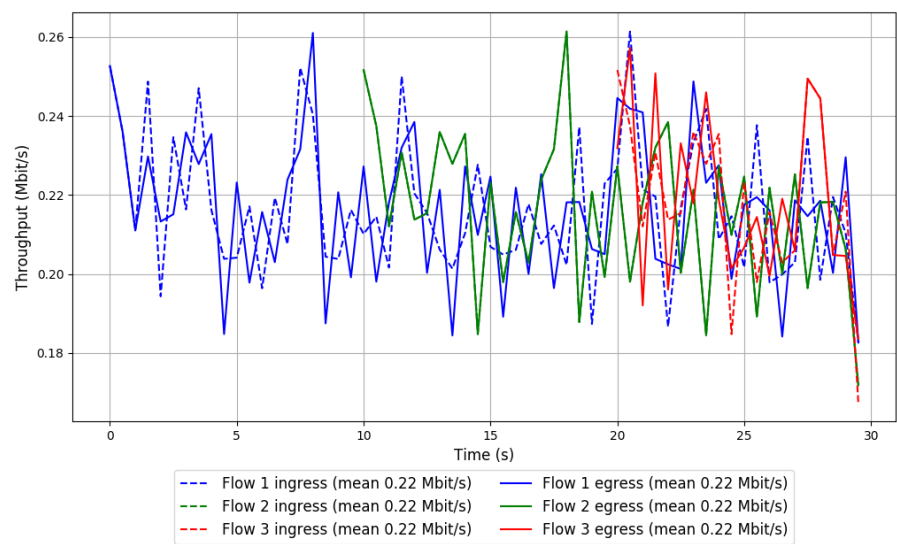
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.346 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



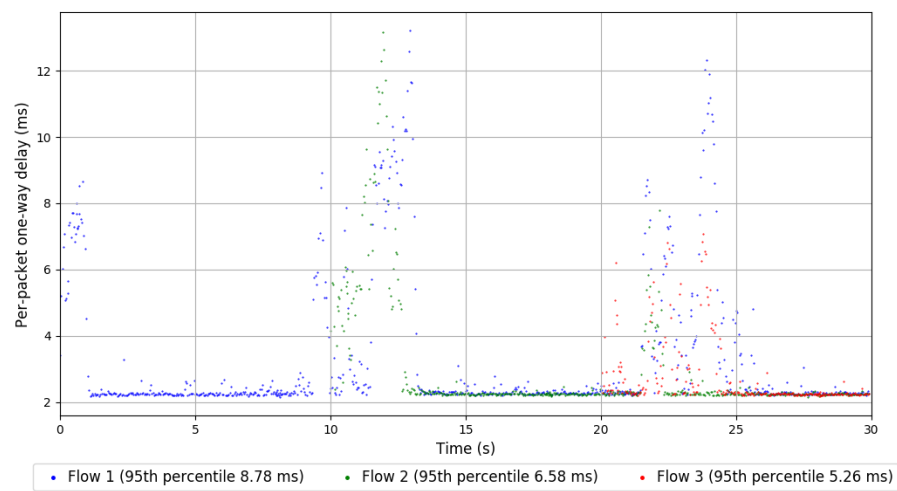
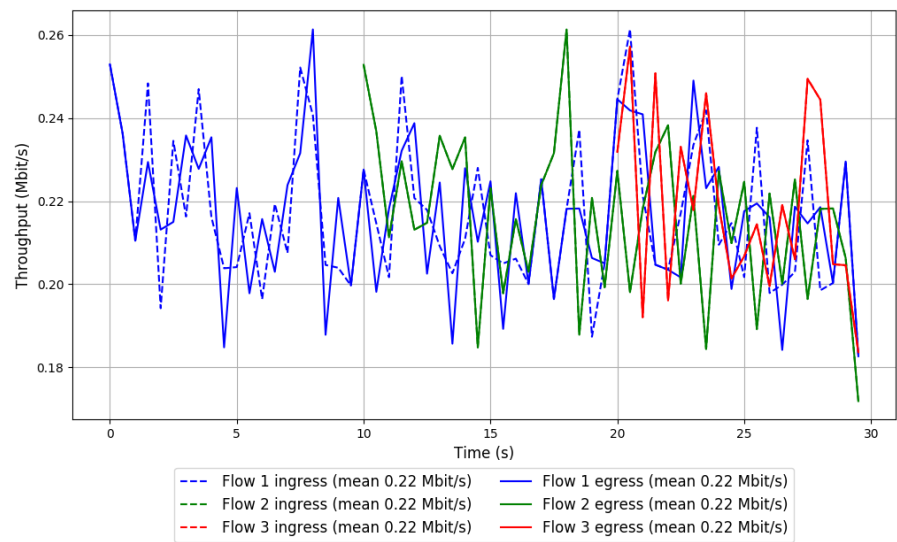
Run 3: Statistics of SReAM

Start at: 2017-11-30 21:42:49  
End at: 2017-11-30 21:43:19  
Local clock offset: 0.193 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 7.980 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 8.783 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 6.576 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 5.257 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

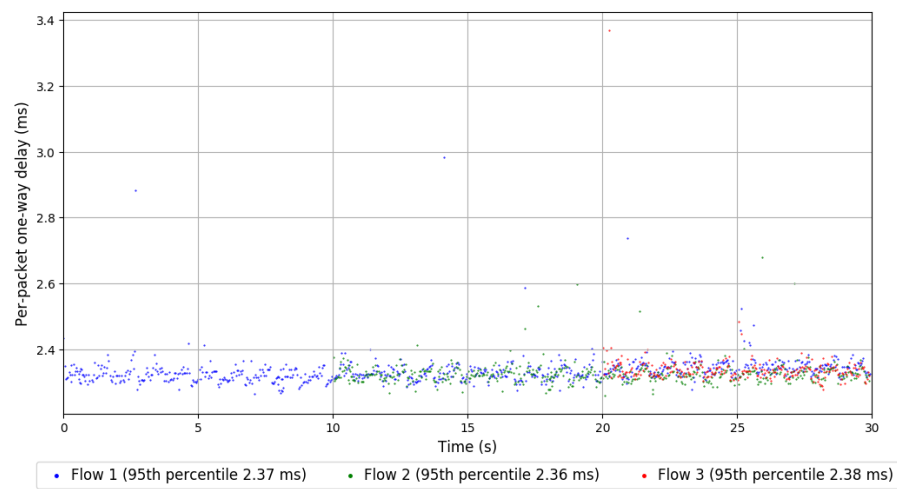
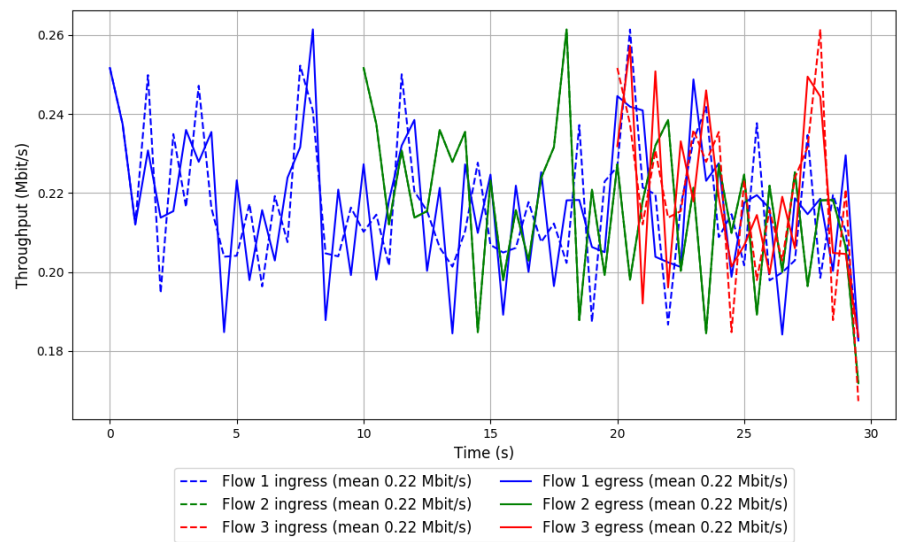


Run 4: Statistics of SReAM

Start at: 2017-11-30 22:02:05  
End at: 2017-11-30 22:02:35  
Local clock offset: 0.094 ms  
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.371 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.373 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.362 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.377 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

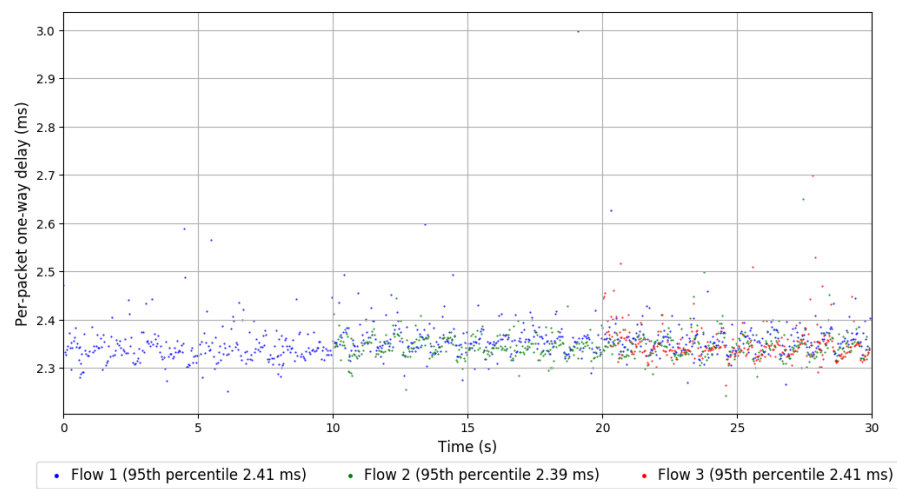
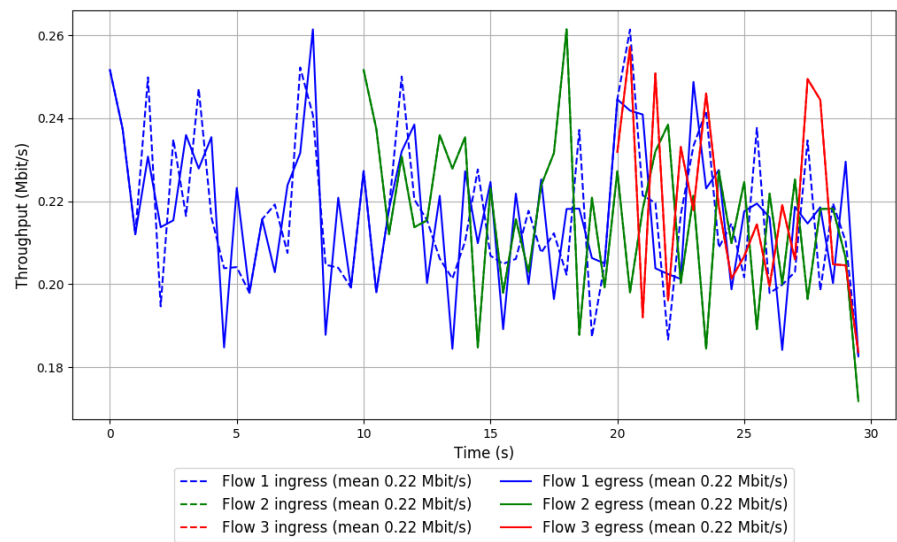


Run 5: Statistics of SReAM

Start at: 2017-11-30 22:21:48  
End at: 2017-11-30 22:22:18  
Local clock offset: -0.021 ms  
Remote clock offset: -0.224 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.403 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.409 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.387 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.410 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

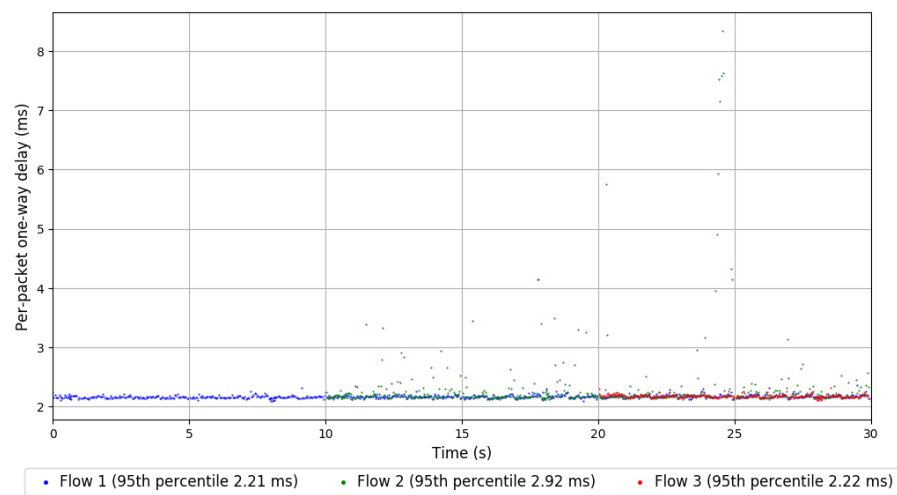
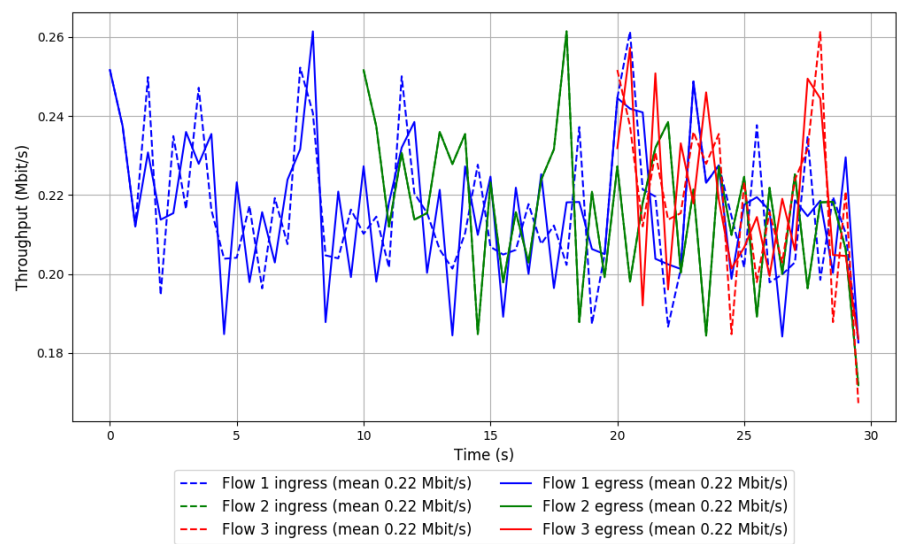


Run 6: Statistics of SReAM

Start at: 2017-11-30 22:41:17  
End at: 2017-11-30 22:41:47  
Local clock offset: -0.005 ms  
Remote clock offset: -0.374 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# 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: 2.212 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.915 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.224 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



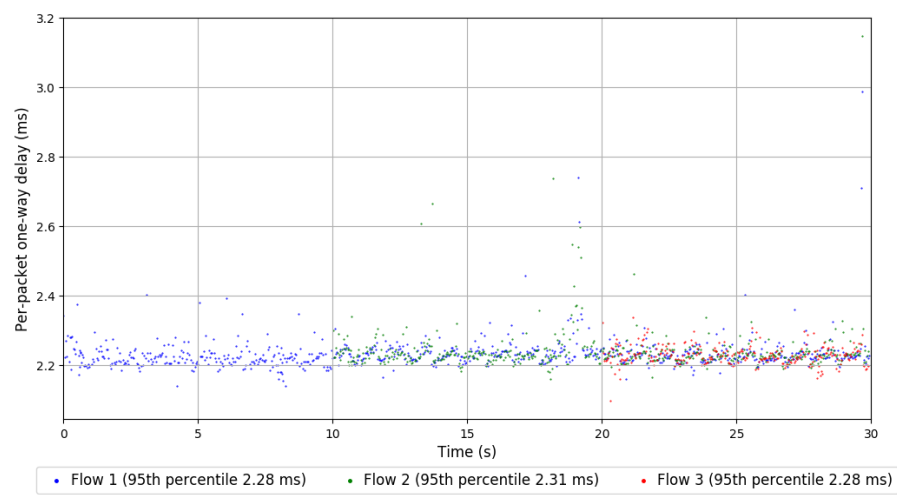
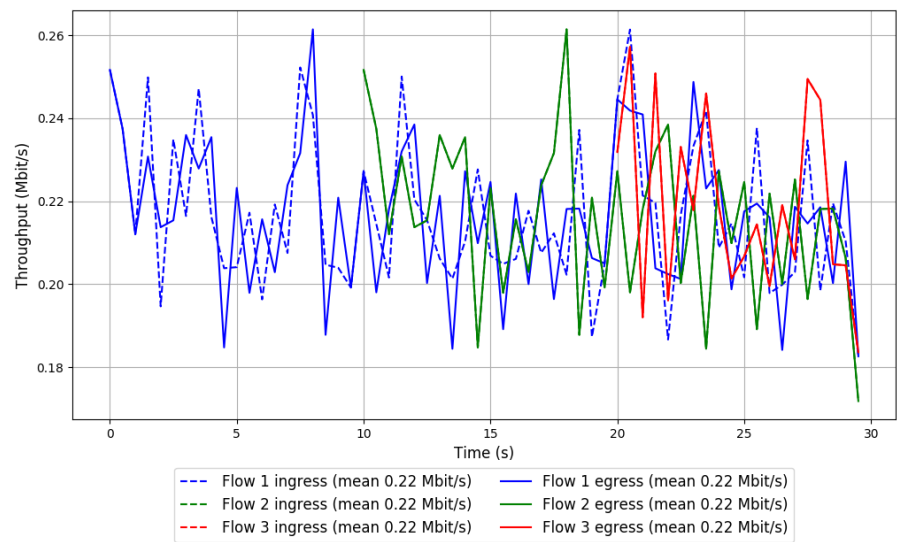
Run 7: Statistics of SReAM

Start at: 2017-11-30 23:00:22  
End at: 2017-11-30 23:00:52  
Local clock offset: -0.06 ms  
Remote clock offset: -0.372 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.291 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.284 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.305 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.276 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2017-11-30 23:19:53

End at: 2017-11-30 23:20:23

Local clock offset: -0.095 ms

Remote clock offset: -0.36 ms

# Below is generated by plot.py at 2017-12-01 03:09:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.331 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.358 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.300 ms

Loss rate: 0.00%

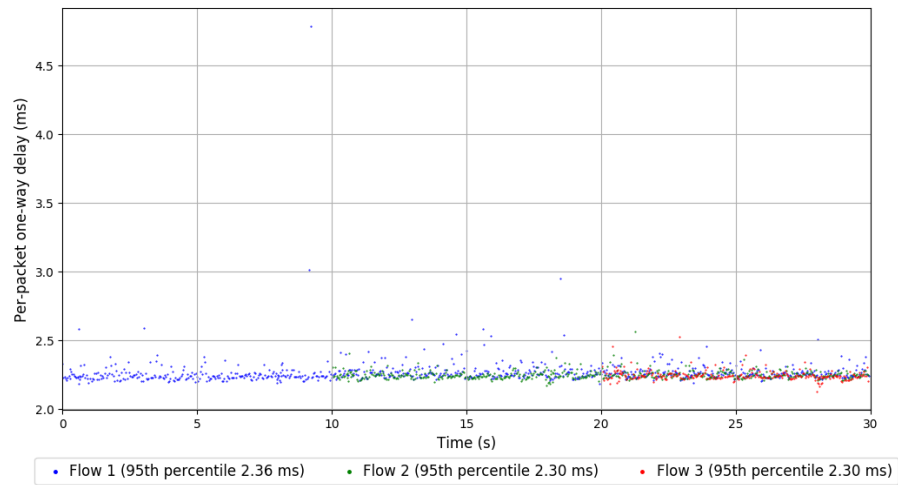
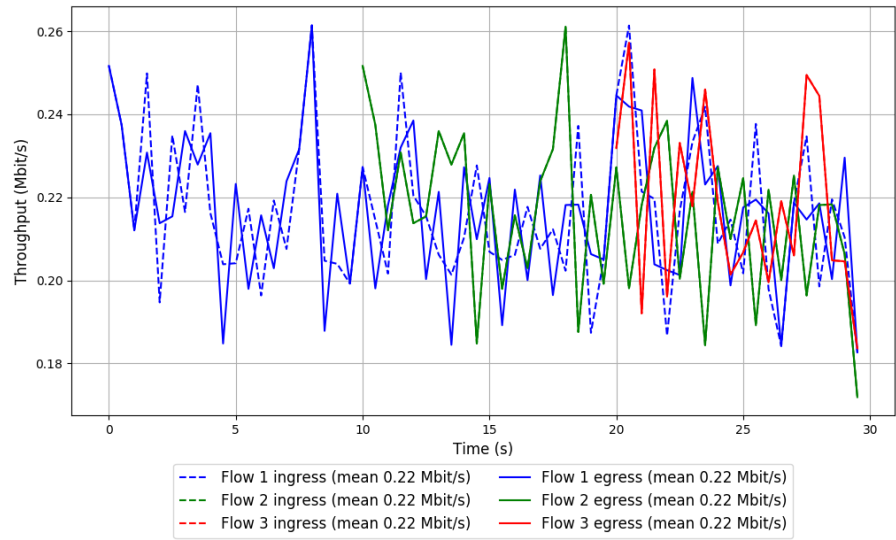
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

## Run 8: Report of SReAM — Data Link

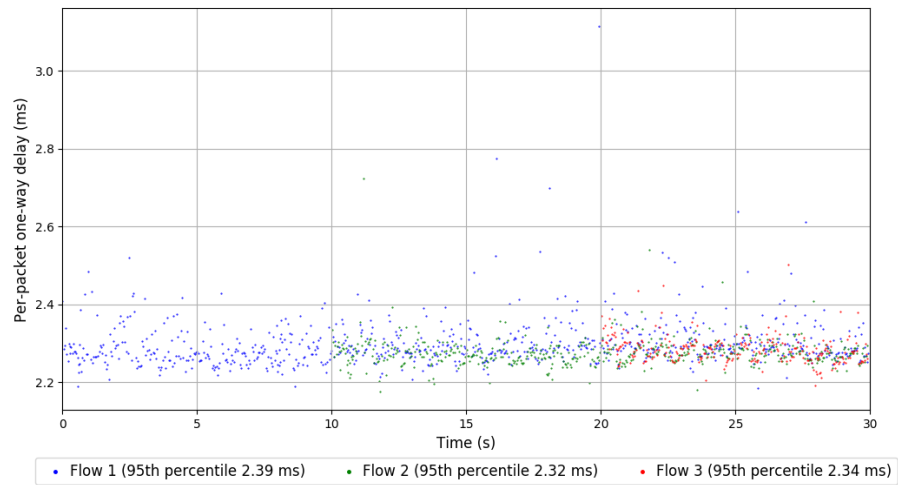
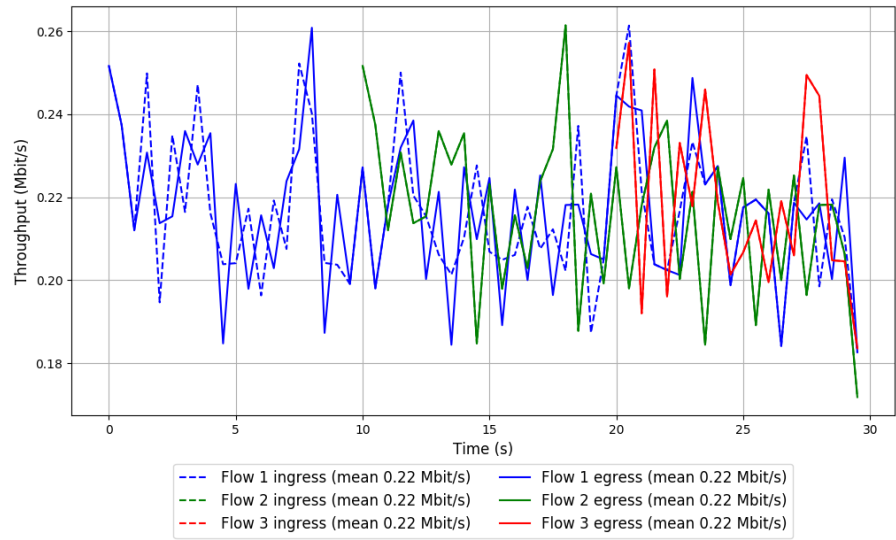


Run 9: Statistics of SReAM

Start at: 2017-11-30 23:39:27  
End at: 2017-11-30 23:39:57  
Local clock offset: -0.142 ms  
Remote clock offset: -0.311 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.368 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.393 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.324 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.341 ms  
Loss rate: 0.00%

## Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-11-30 23:58:50

End at: 2017-11-30 23:59:20

Local clock offset: -0.153 ms

Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2017-12-01 03:09:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.315 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.310 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.00%

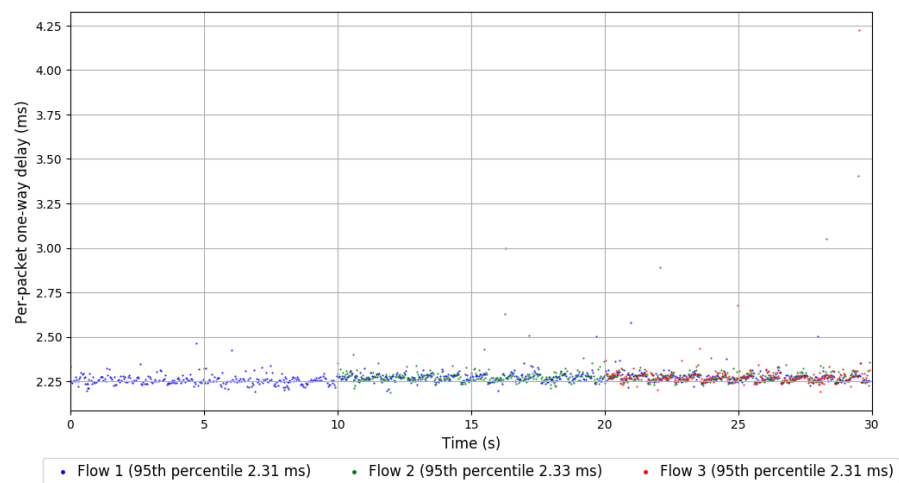
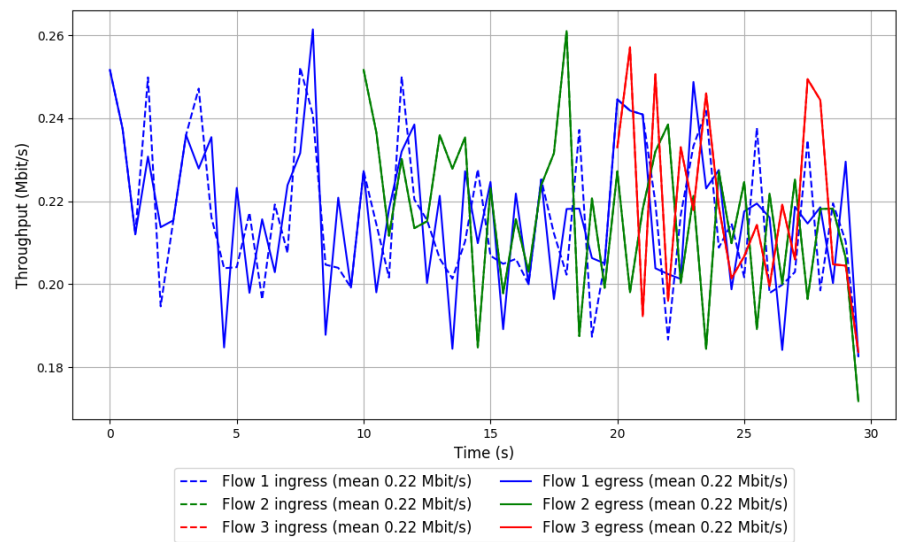
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-11-30 21:09:31

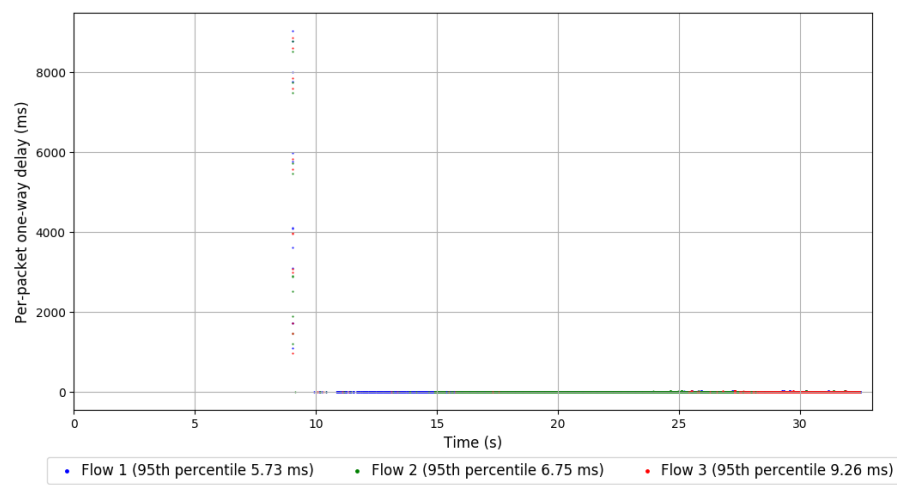
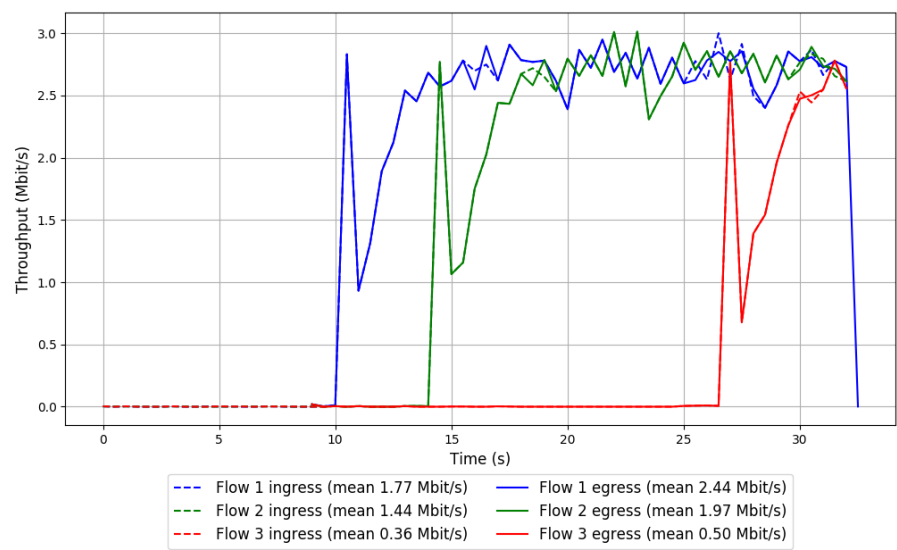
End at: 2017-11-30 21:10:01

Local clock offset: 0.4 ms

Remote clock offset: 0.089 ms



Run 1: Report of WebRTC media — Data Link

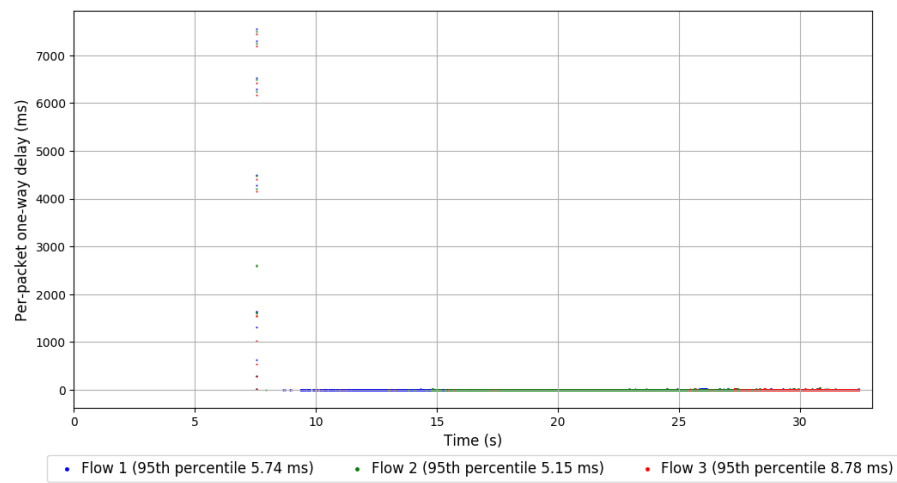
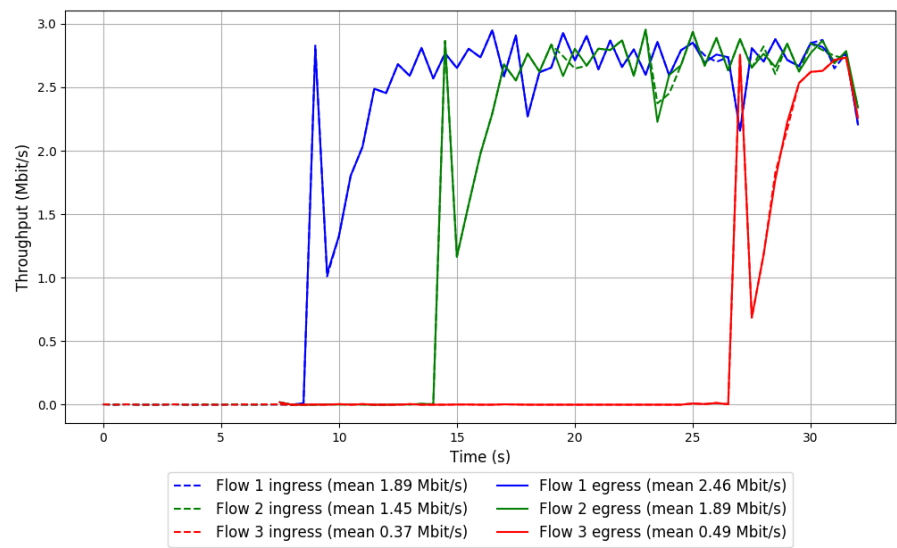


Run 2: Statistics of WebRTC media

Start at: 2017-11-30 21:29:00  
End at: 2017-11-30 21:29:30  
Local clock offset: 0.263 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.83 Mbit/s  
95th percentile per-packet one-way delay: 5.890 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.46 Mbit/s  
95th percentile per-packet one-way delay: 5.738 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 5.151 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 8.782 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

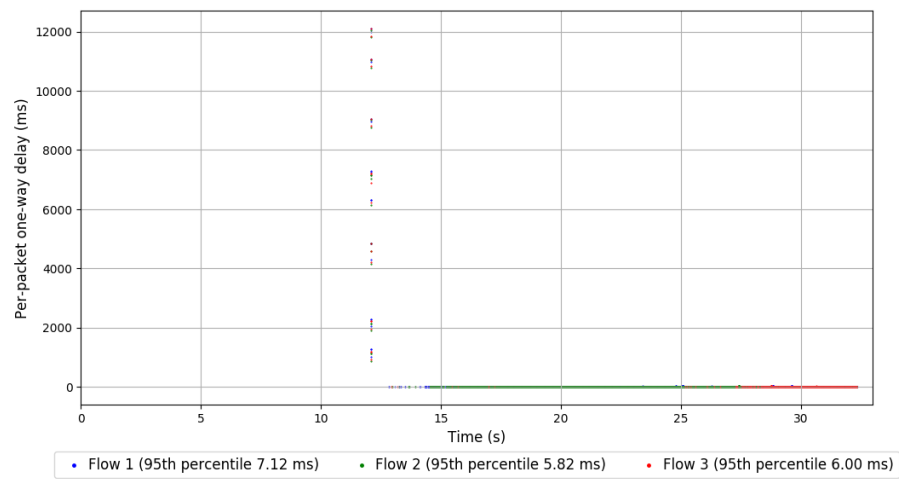
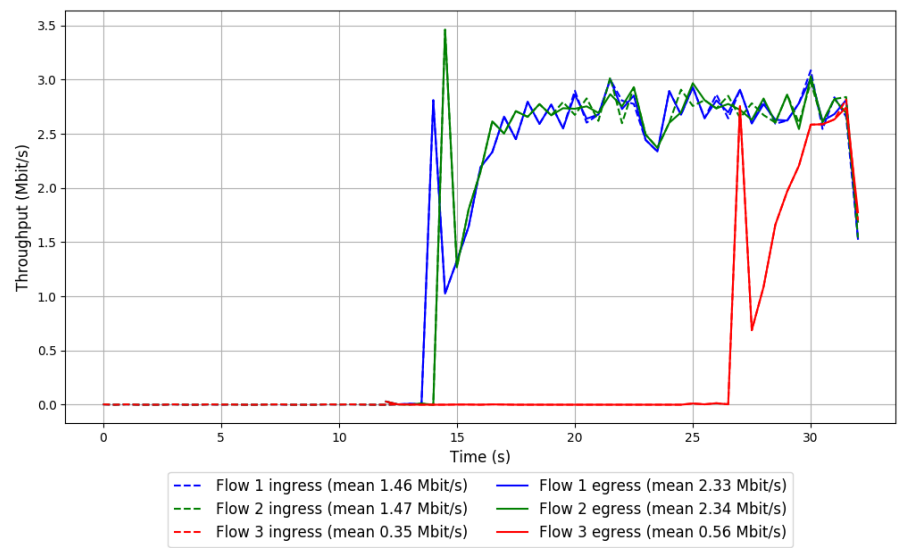
Start at: 2017-11-30 21:48:13

End at: 2017-11-30 21:48:43

Local clock offset: 0.098 ms

Remote clock offset: -0.15 ms

Run 3: Report of WebRTC media — Data Link

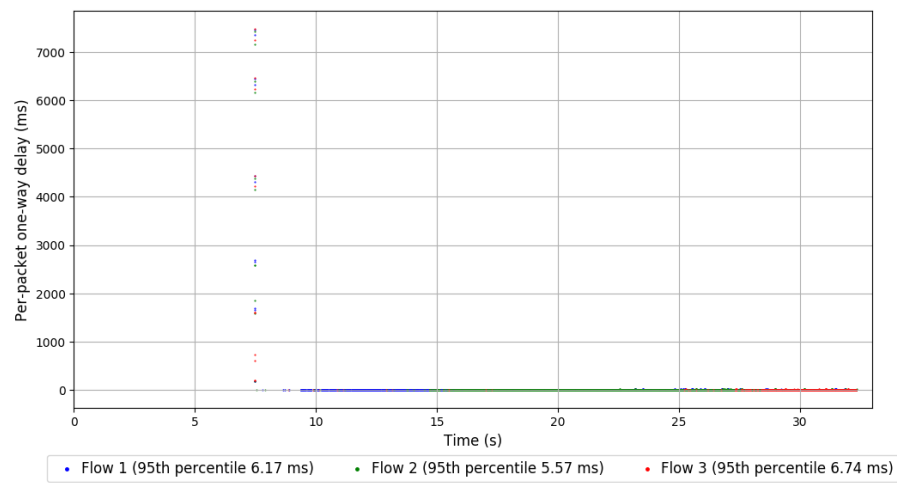
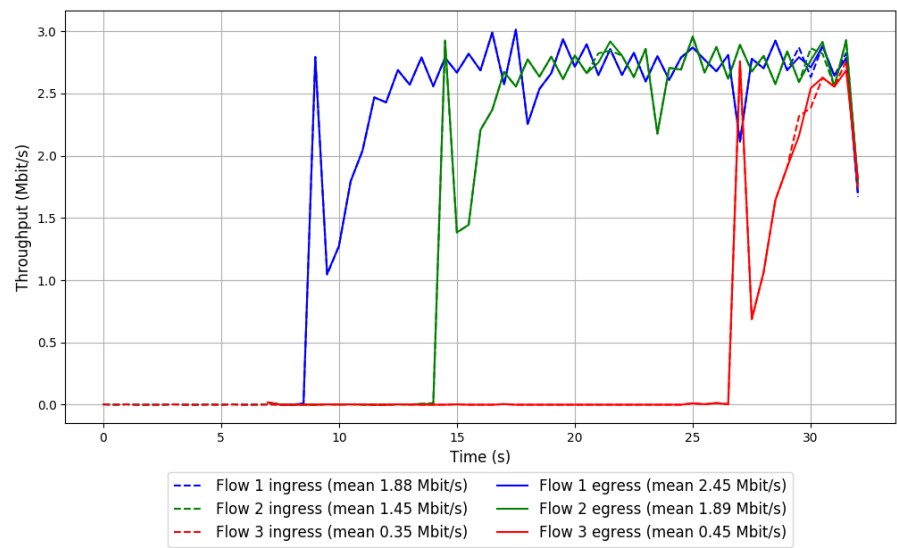


Run 4: Statistics of WebRTC media

Start at: 2017-11-30 22:07:30  
End at: 2017-11-30 22:08:00  
Local clock offset: 0.062 ms  
Remote clock offset: -0.233 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.78 Mbit/s  
95th percentile per-packet one-way delay: 5.811 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.45 Mbit/s  
95th percentile per-packet one-way delay: 6.175 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.89 Mbit/s  
95th percentile per-packet one-way delay: 5.567 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 6.736 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



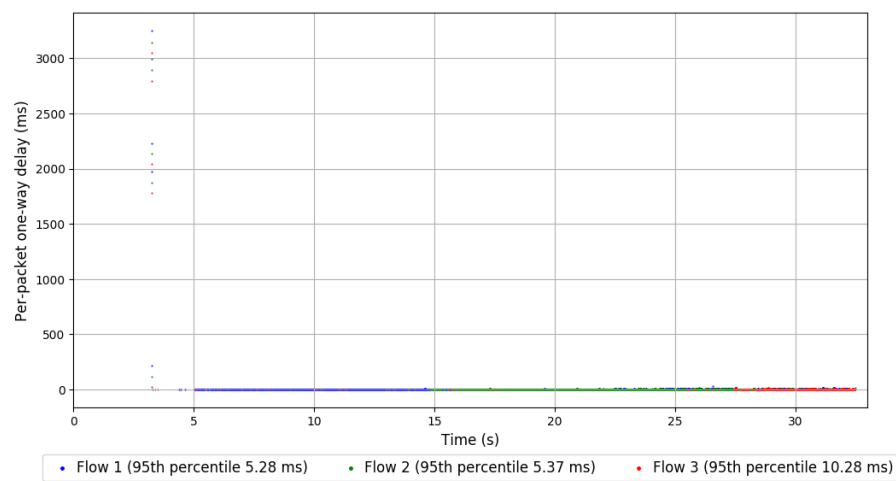
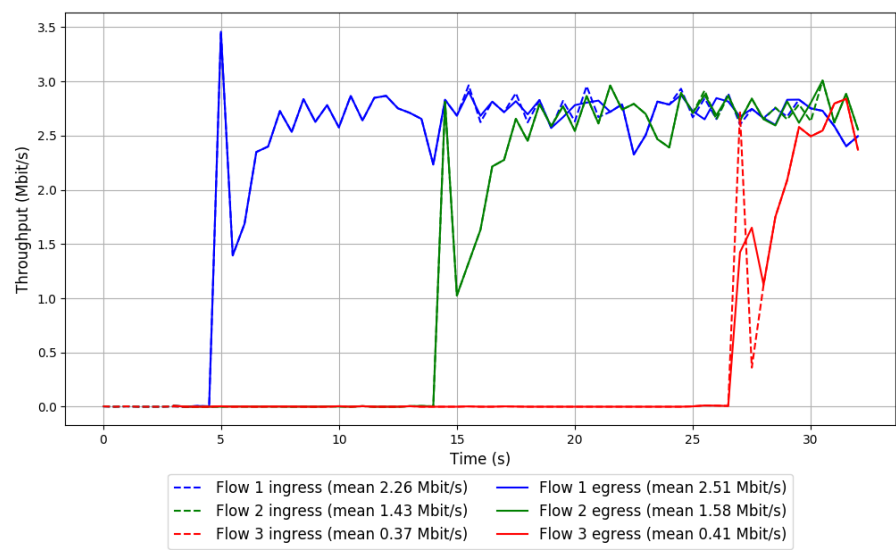
Run 5: Statistics of WebRTC media

Start at: 2017-11-30 22:27:14  
End at: 2017-11-30 22:27:44  
Local clock offset: 0.013 ms  
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.50 Mbit/s  
95th percentile per-packet one-way delay: 5.535 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.51 Mbit/s  
95th percentile per-packet one-way delay: 5.280 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.58 Mbit/s  
95th percentile per-packet one-way delay: 5.373 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 10.278 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

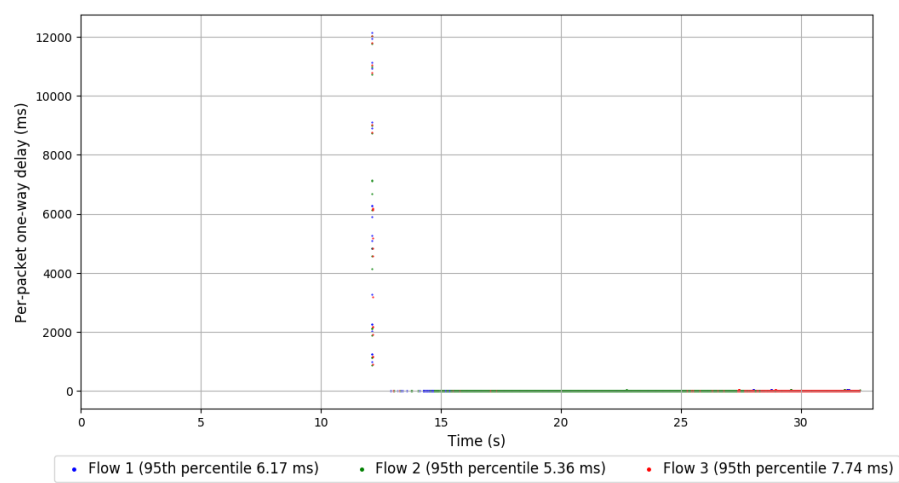
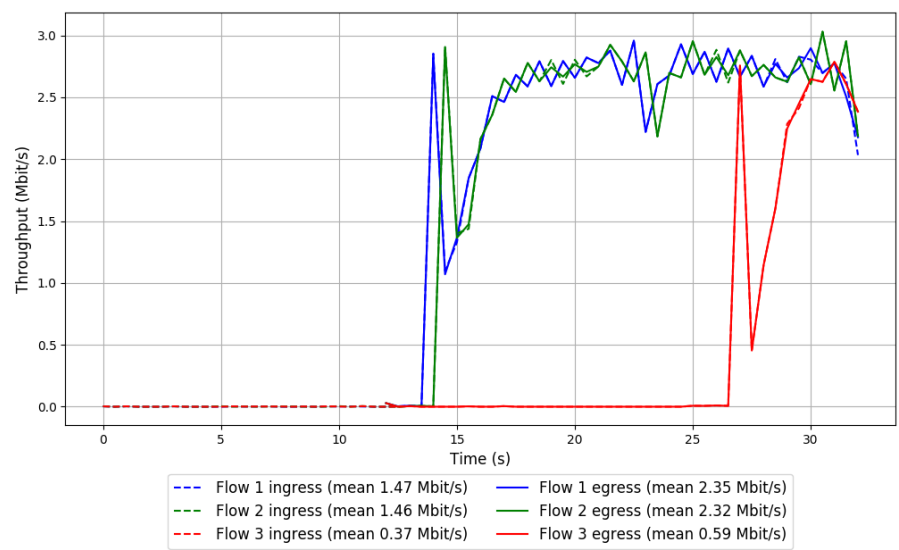
Start at: 2017-11-30 22:46:37

End at: 2017-11-30 22:47:07

Local clock offset: -0.047 ms

Remote clock offset: -0.331 ms

Run 6: Report of WebRTC media — Data Link

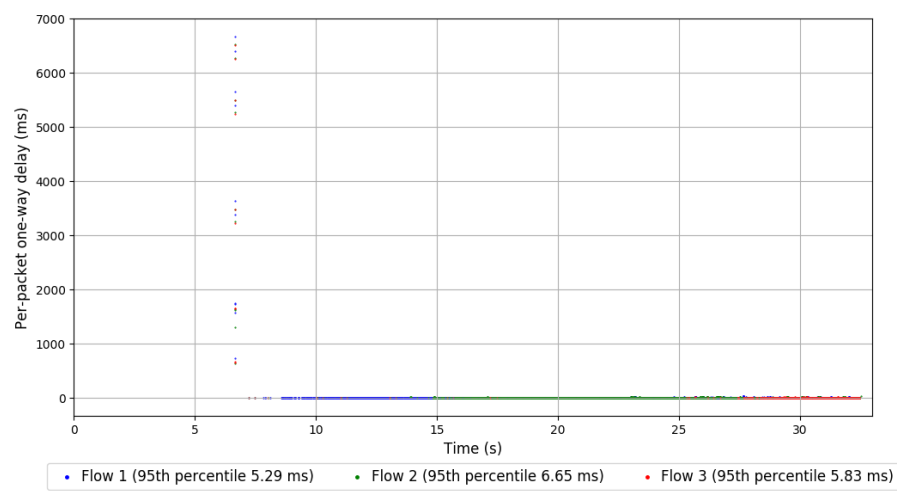
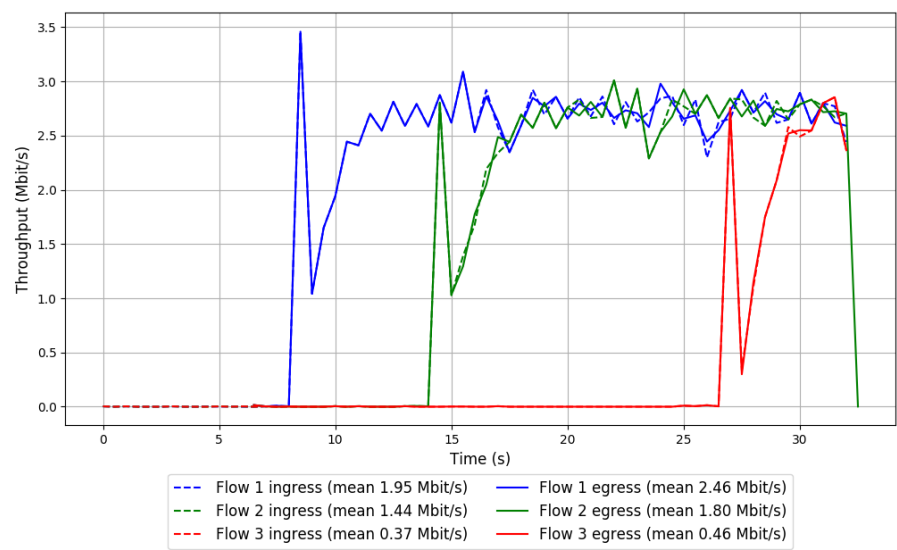


Run 7: Statistics of WebRTC media

Start at: 2017-11-30 23:05:47  
End at: 2017-11-30 23:06:17  
Local clock offset: -0.09 ms  
Remote clock offset: -0.366 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.71 Mbit/s  
95th percentile per-packet one-way delay: 6.140 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.46 Mbit/s  
95th percentile per-packet one-way delay: 5.287 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 6.647 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 5.826 ms  
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

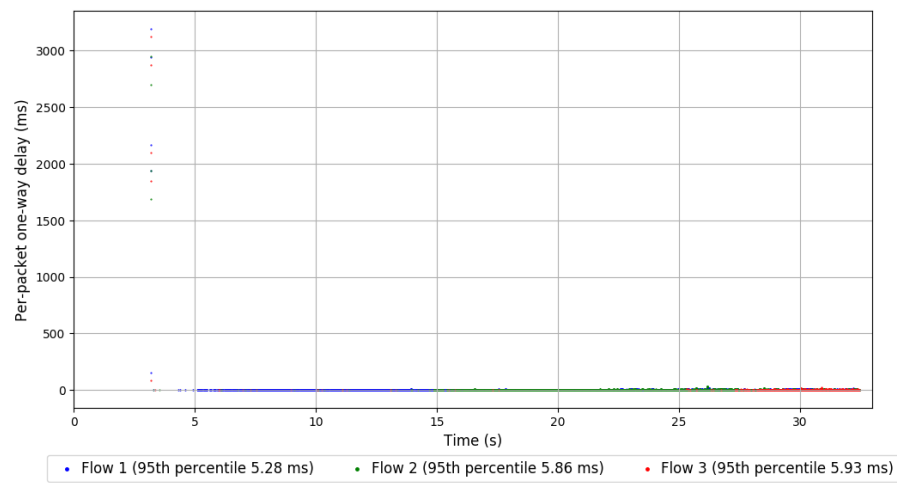
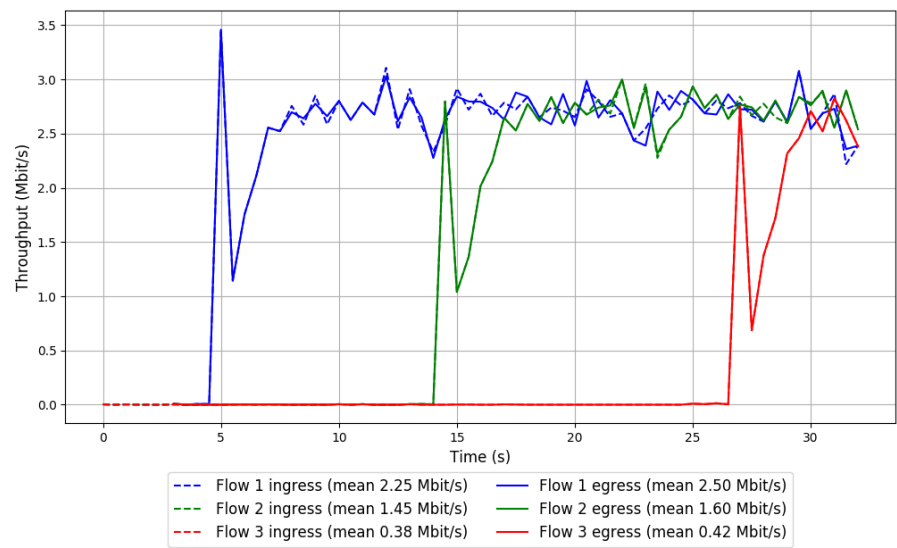


Run 8: Statistics of WebRTC media

Start at: 2017-11-30 23:25:20  
End at: 2017-11-30 23:25:50  
Local clock offset: -0.178 ms  
Remote clock offset: -0.366 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.51 Mbit/s  
95th percentile per-packet one-way delay: 5.595 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.50 Mbit/s  
95th percentile per-packet one-way delay: 5.284 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.60 Mbit/s  
95th percentile per-packet one-way delay: 5.858 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 5.926 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



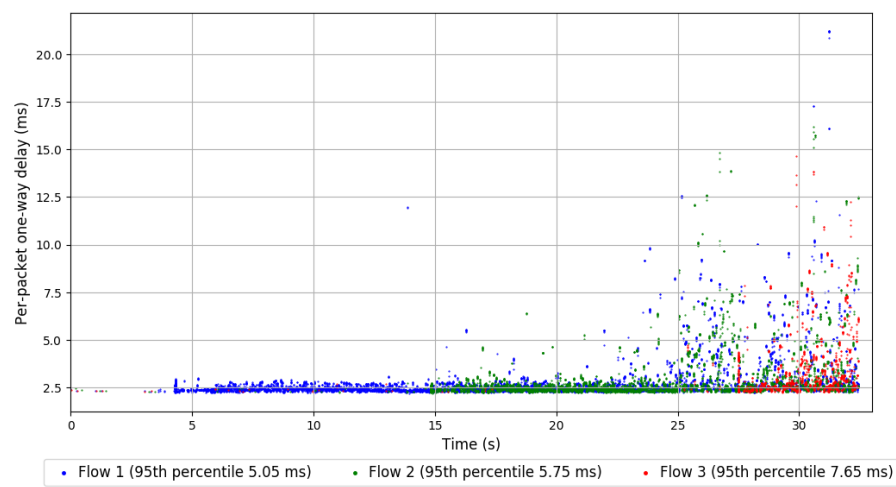
Run 9: Statistics of WebRTC media

Start at: 2017-11-30 23:44:50  
End at: 2017-11-30 23:45:20  
Local clock offset: -0.21 ms  
Remote clock offset: -0.289 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.12 Mbit/s  
95th percentile per-packet one-way delay: 5.742 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 5.052 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 5.746 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 7.654 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

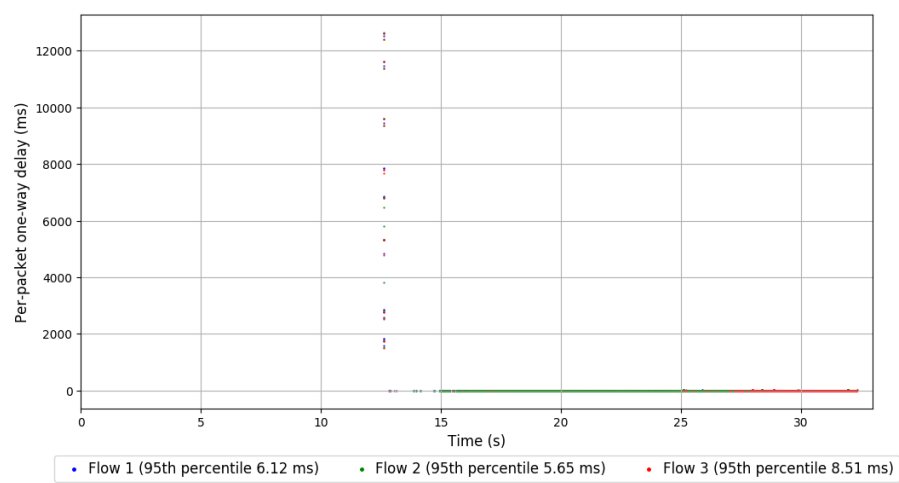
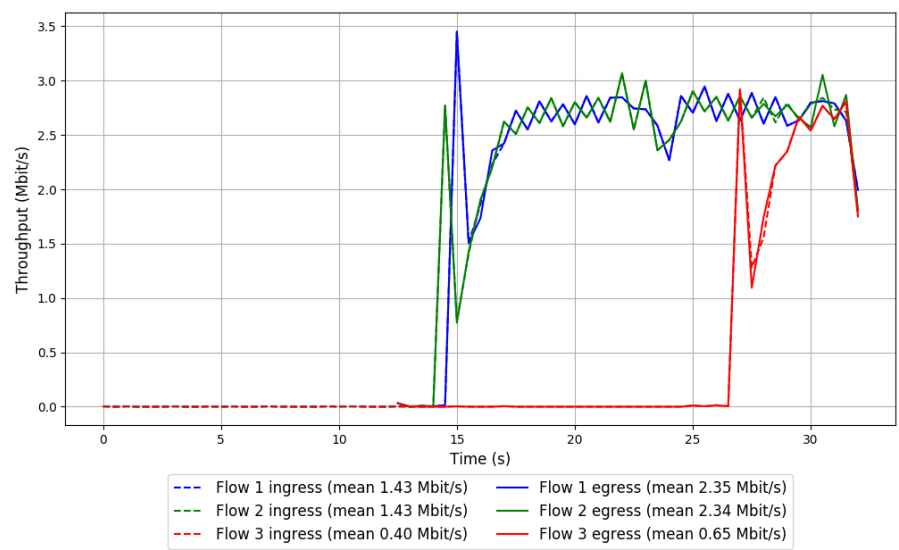
Start at: 2017-12-01 00:04:13

End at: 2017-12-01 00:04:43

Local clock offset: -0.138 ms

Remote clock offset: -0.223 ms

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-11-30 20:59:07

End at: 2017-11-30 20:59:37

Local clock offset: 0.47 ms

Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2017-12-01 03:09:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 100.04 Mbit/s

95th percentile per-packet one-way delay: 3.441 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 3.274 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 3.641 ms

Loss rate: 0.00%

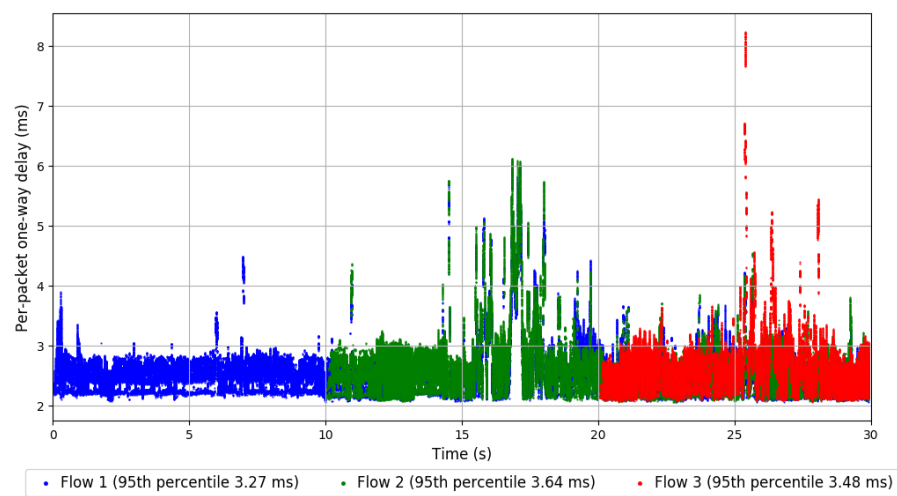
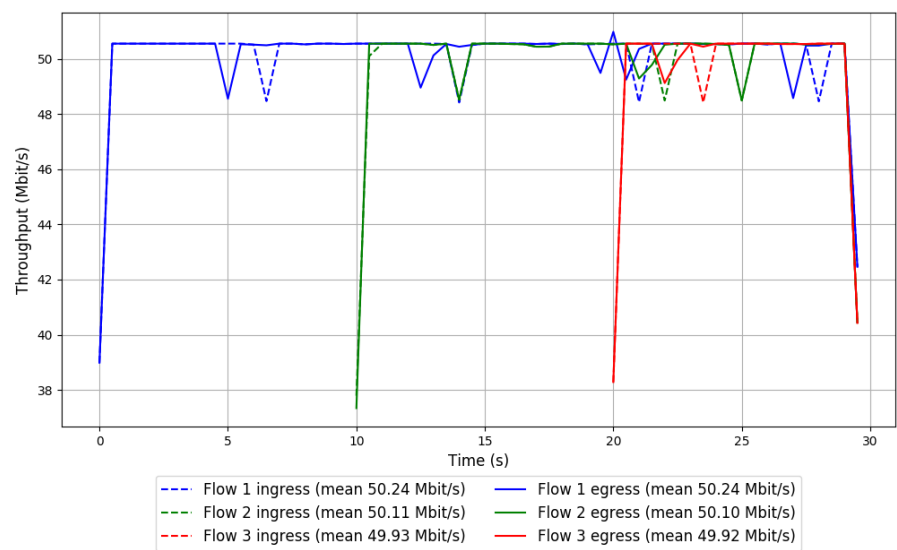
-- Flow 3:

Average throughput: 49.92 Mbit/s

95th percentile per-packet one-way delay: 3.479 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

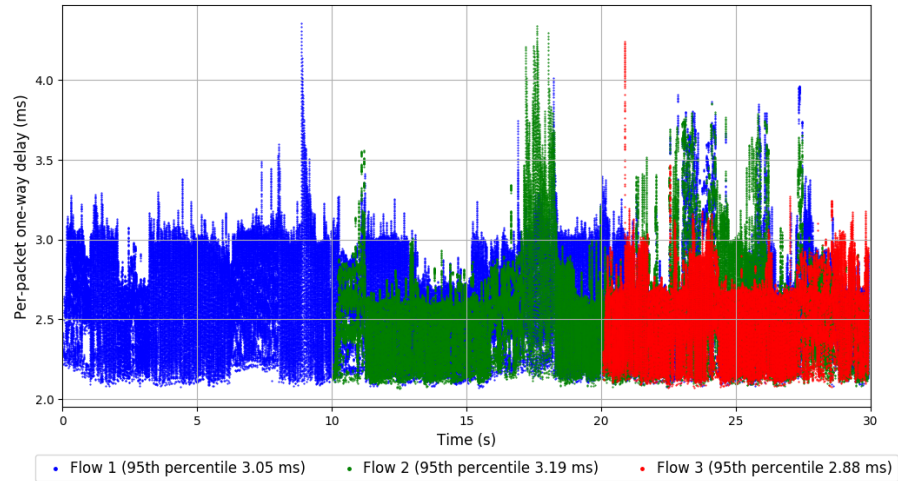
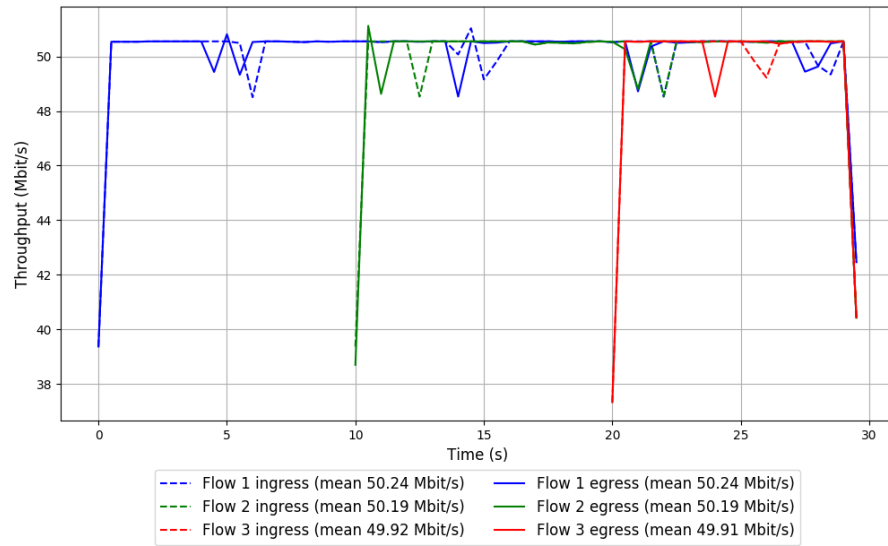


Run 2: Statistics of Sprout

Start at: 2017-11-30 21:18:27  
End at: 2017-11-30 21:18:57  
Local clock offset: 0.324 ms  
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.08 Mbit/s  
95th percentile per-packet one-way delay: 3.055 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.24 Mbit/s  
95th percentile per-packet one-way delay: 3.054 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.19 Mbit/s  
95th percentile per-packet one-way delay: 3.186 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.91 Mbit/s  
95th percentile per-packet one-way delay: 2.880 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



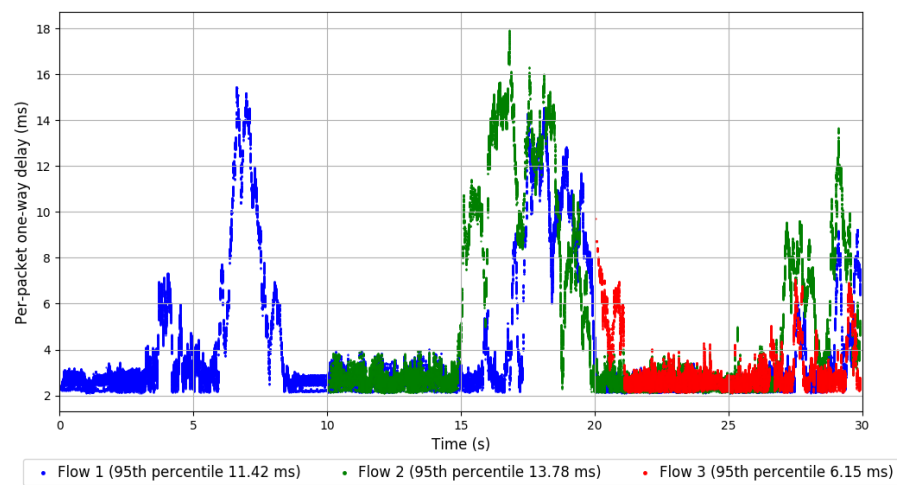
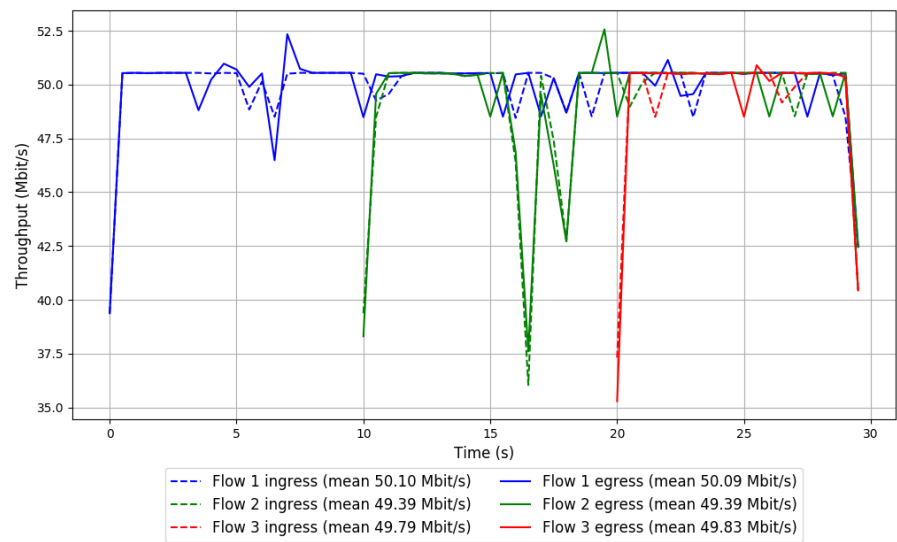
Run 3: Statistics of Sprout

Start at: 2017-11-30 21:37:42  
End at: 2017-11-30 21:38:12  
Local clock offset: 0.22 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 99.37 Mbit/s  
95th percentile per-packet one-way delay: 12.020 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.09 Mbit/s  
95th percentile per-packet one-way delay: 11.418 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 49.39 Mbit/s  
95th percentile per-packet one-way delay: 13.780 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.83 Mbit/s  
95th percentile per-packet one-way delay: 6.150 ms  
Loss rate: 0.00%



Run 3: Report of Sprout — Data Link

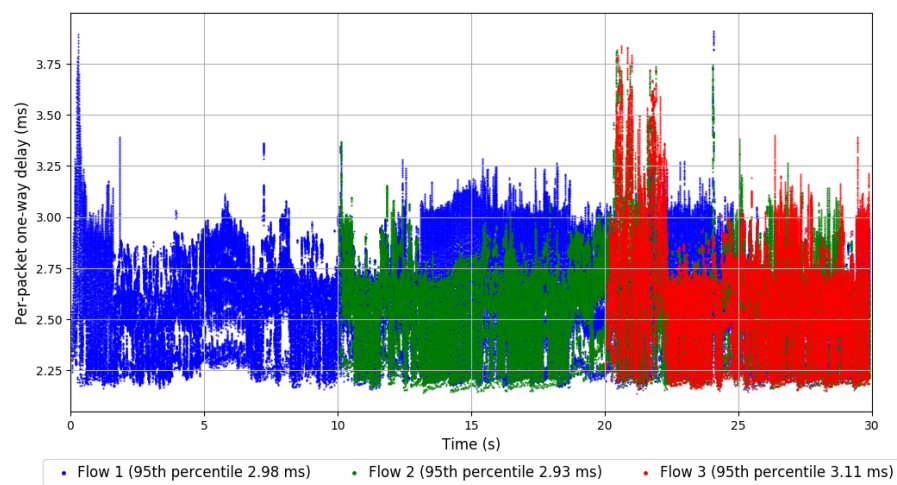
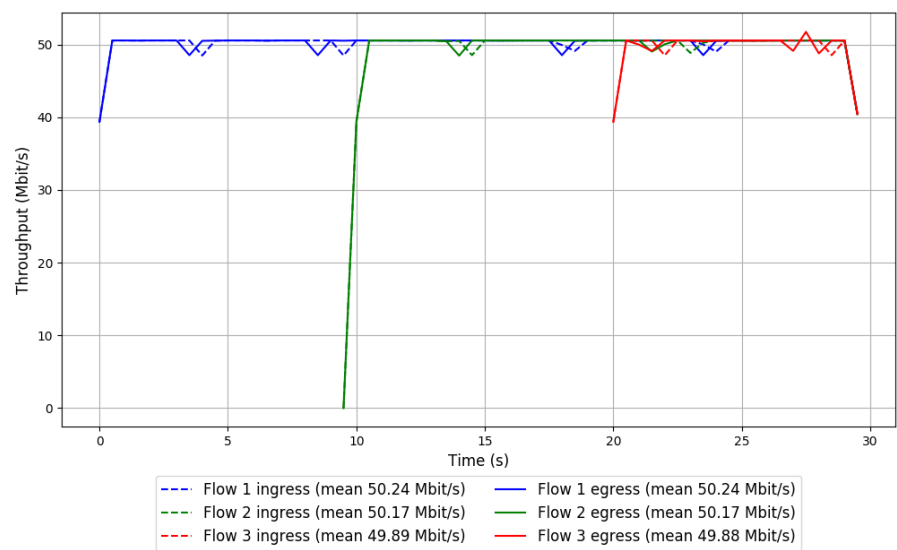


#### Run 4: Statistics of Sprout

Start at: 2017-11-30 21:56:56  
End at: 2017-11-30 21:57:26  
Local clock offset: 0.168 ms  
Remote clock offset: -0.14 ms

```
# Below is generated by plot.py at 2017-12-01 03:09:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 2.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 2.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 2.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 3.113 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

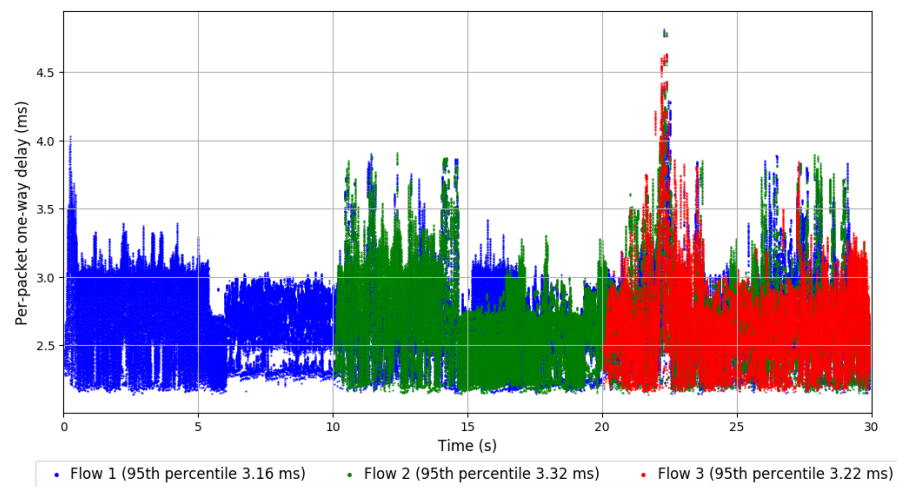
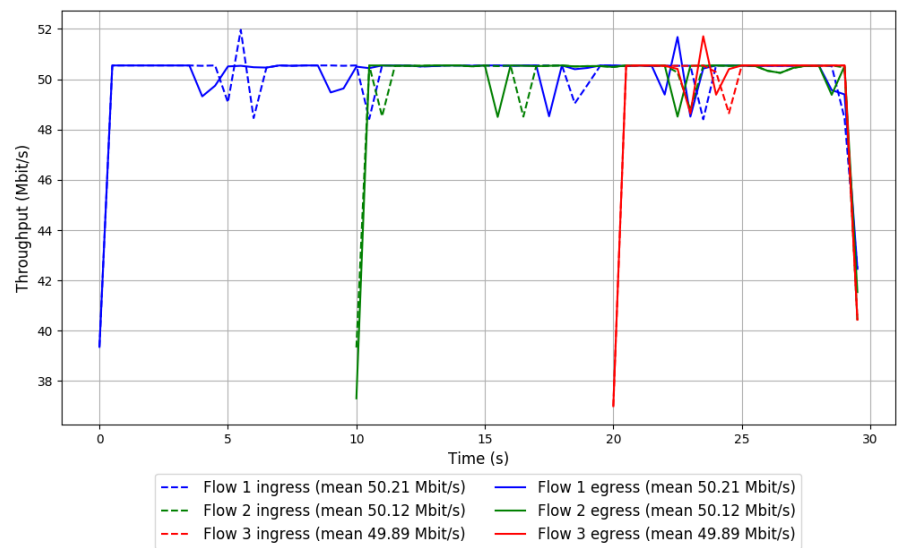


Run 5: Statistics of Sprout

Start at: 2017-11-30 22:16:40  
End at: 2017-11-30 22:17:10  
Local clock offset: 0.074 ms  
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2017-12-01 03:09:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.01 Mbit/s  
95th percentile per-packet one-way delay: 3.230 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.21 Mbit/s  
95th percentile per-packet one-way delay: 3.161 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.12 Mbit/s  
95th percentile per-packet one-way delay: 3.317 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.89 Mbit/s  
95th percentile per-packet one-way delay: 3.222 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

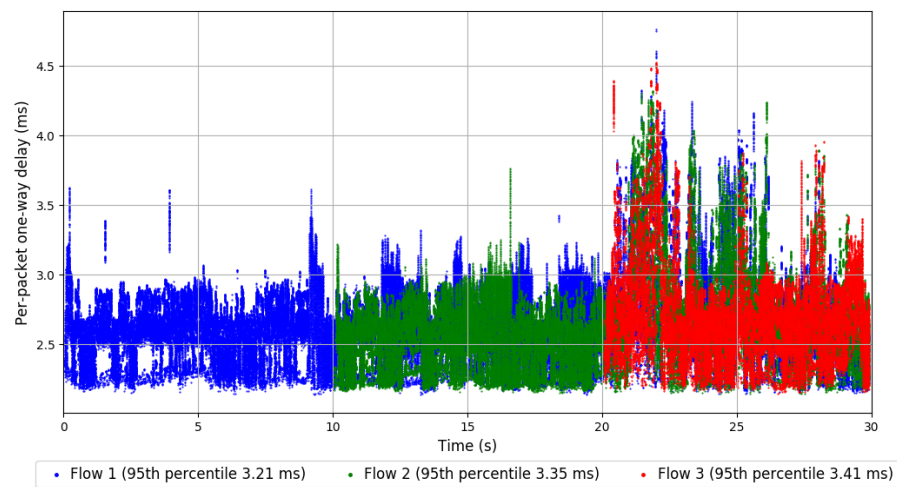
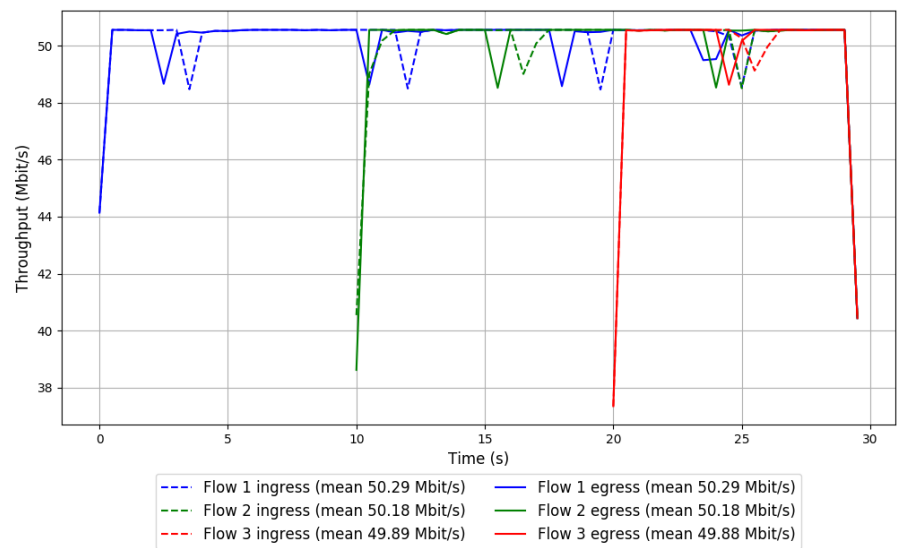


Run 6: Statistics of Sprout

Start at: 2017-11-30 22:36:10  
End at: 2017-11-30 22:36:40  
Local clock offset: -0.001 ms  
Remote clock offset: -0.276 ms

# Below is generated by plot.py at 2017-12-01 03:09:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.14 Mbit/s  
95th percentile per-packet one-way delay: 3.307 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.29 Mbit/s  
95th percentile per-packet one-way delay: 3.208 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.18 Mbit/s  
95th percentile per-packet one-way delay: 3.353 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.88 Mbit/s  
95th percentile per-packet one-way delay: 3.412 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



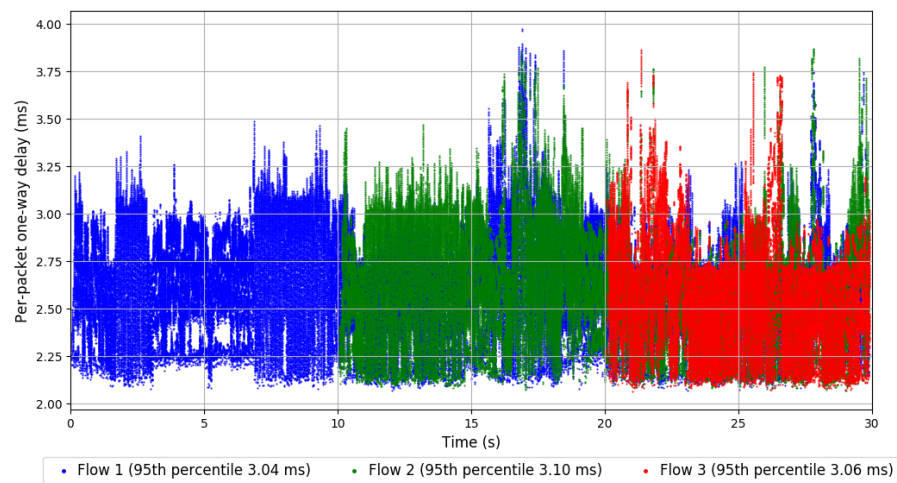
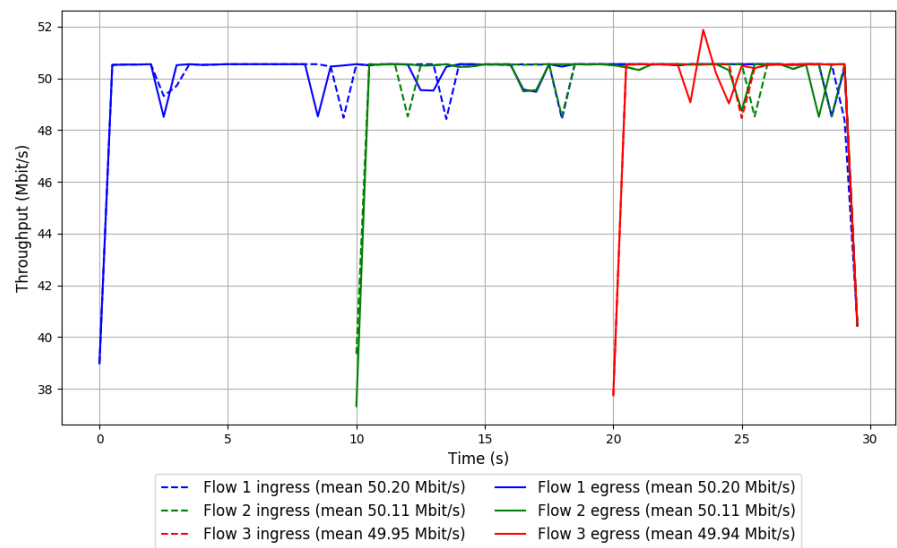
Run 7: Statistics of Sprout

Start at: 2017-11-30 22:55:14  
End at: 2017-11-30 22:55:44  
Local clock offset: -0.072 ms  
Remote clock offset: -0.43 ms

# Below is generated by plot.py at 2017-12-01 03:10:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.00 Mbit/s  
95th percentile per-packet one-way delay: 3.063 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.20 Mbit/s  
95th percentile per-packet one-way delay: 3.038 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.11 Mbit/s  
95th percentile per-packet one-way delay: 3.104 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.94 Mbit/s  
95th percentile per-packet one-way delay: 3.057 ms  
Loss rate: 0.00%



Run 7: Report of Sprout — Data Link

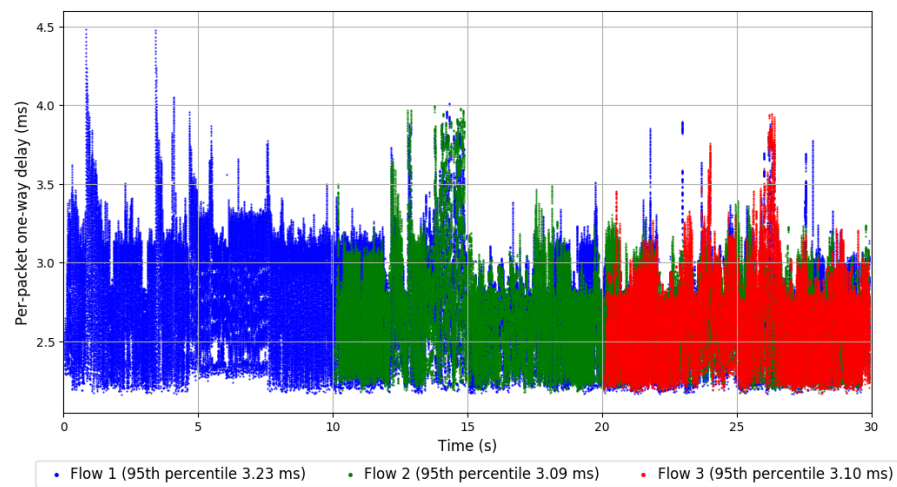
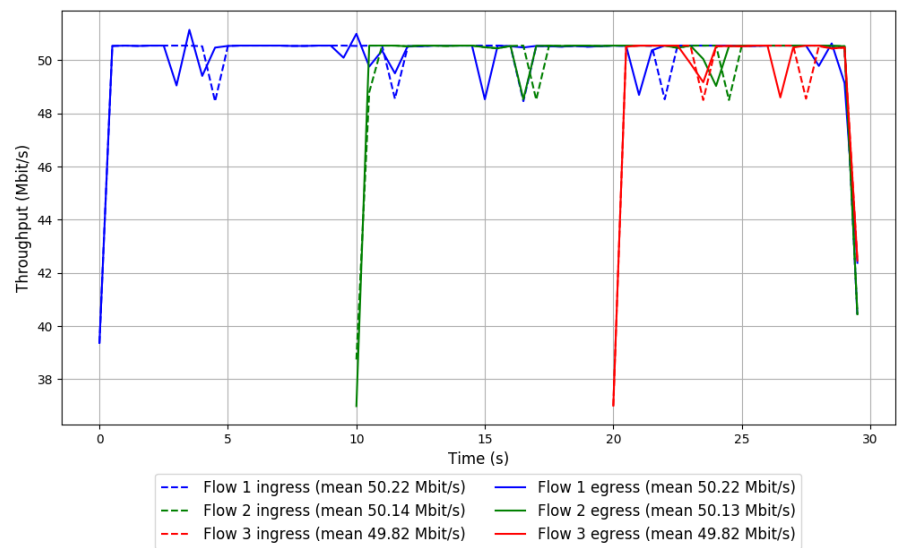


Run 8: Statistics of Sprout

Start at: 2017-11-30 23:14:44  
End at: 2017-11-30 23:15:14  
Local clock offset: -0.179 ms  
Remote clock offset: -0.397 ms

# Below is generated by plot.py at 2017-12-01 03:10:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.00 Mbit/s  
95th percentile per-packet one-way delay: 3.174 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.22 Mbit/s  
95th percentile per-packet one-way delay: 3.228 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.13 Mbit/s  
95th percentile per-packet one-way delay: 3.094 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.82 Mbit/s  
95th percentile per-packet one-way delay: 3.097 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

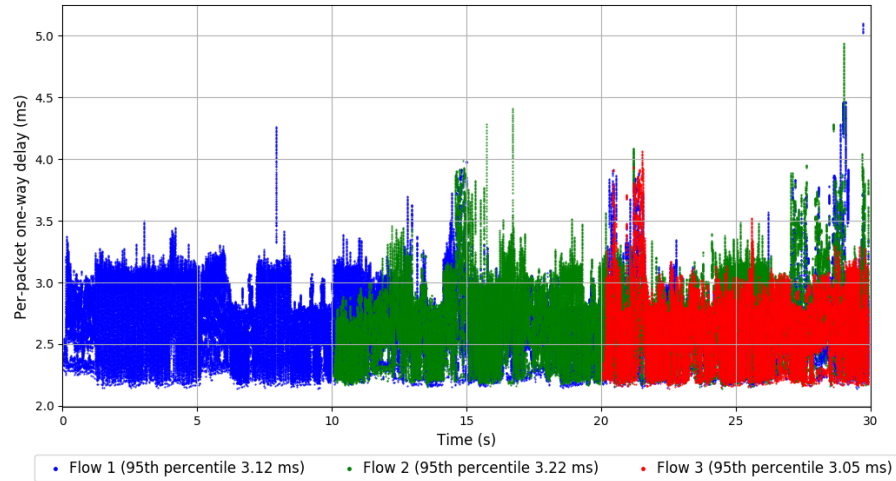
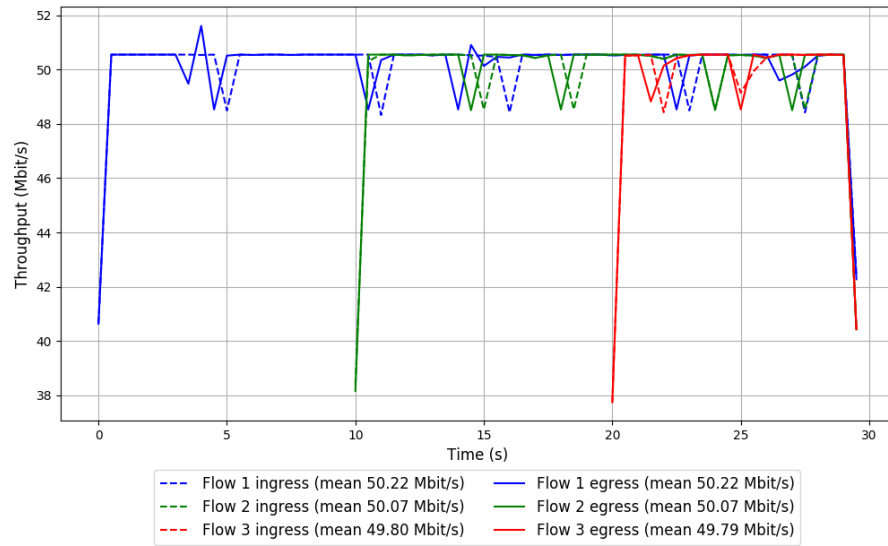


Run 9: Statistics of Sprout

Start at: 2017-11-30 23:34:19  
End at: 2017-11-30 23:34:49  
Local clock offset: -0.127 ms  
Remote clock offset: -0.323 ms

```
# Below is generated by plot.py at 2017-12-01 03:10:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.94 Mbit/s
95th percentile per-packet one-way delay: 3.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 3.122 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 3.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 3.050 ms
Loss rate: 0.00%
```

# Run 9: Report of Sprout — Data Link

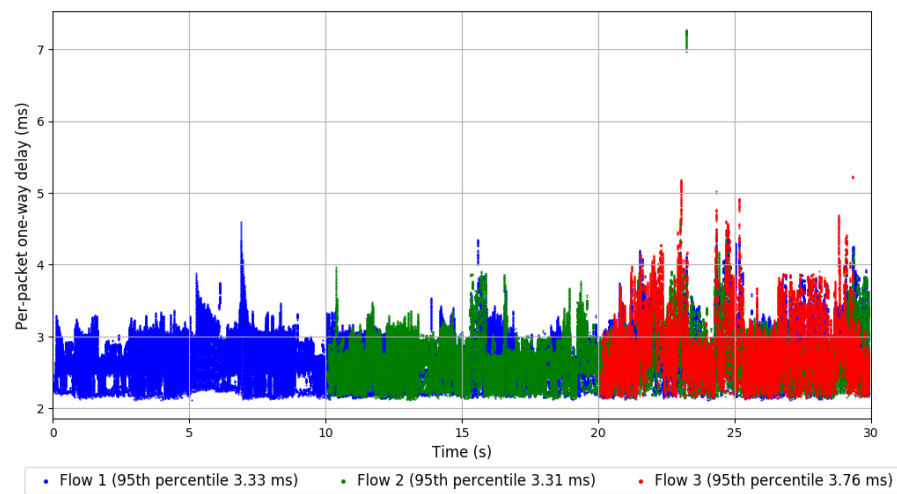
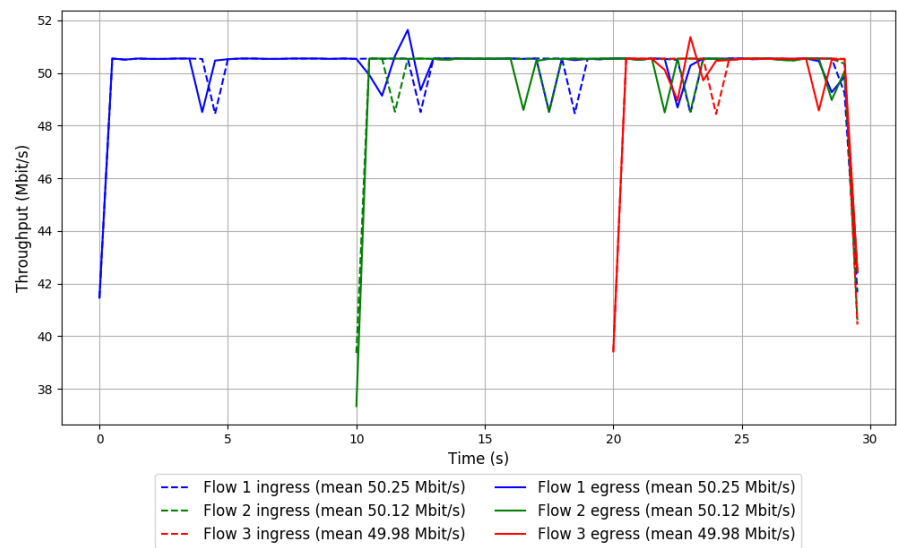


Run 10: Statistics of Sprout

Start at: 2017-11-30 23:53:41  
End at: 2017-11-30 23:54:11  
Local clock offset: -0.131 ms  
Remote clock offset: -0.257 ms

# Below is generated by plot.py at 2017-12-01 03:10:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.10 Mbit/s  
95th percentile per-packet one-way delay: 3.437 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.25 Mbit/s  
95th percentile per-packet one-way delay: 3.329 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.12 Mbit/s  
95th percentile per-packet one-way delay: 3.310 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.98 Mbit/s  
95th percentile per-packet one-way delay: 3.762 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-11-30 21:13:50

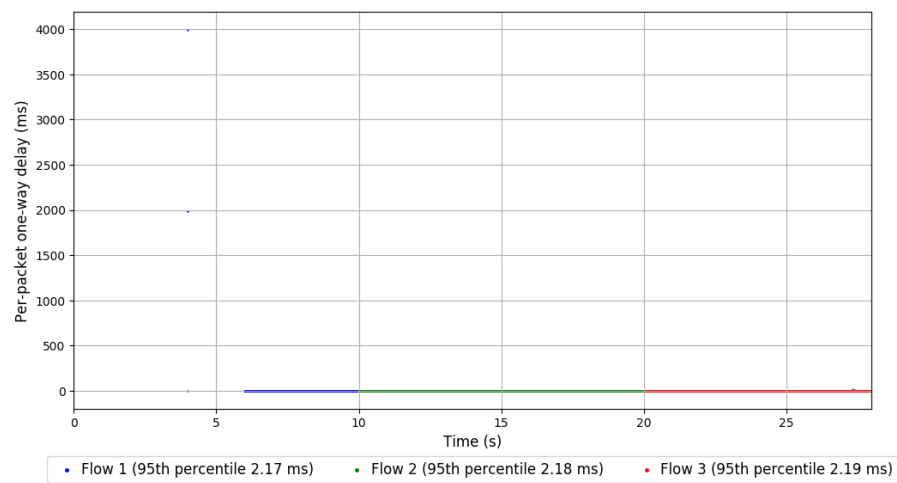
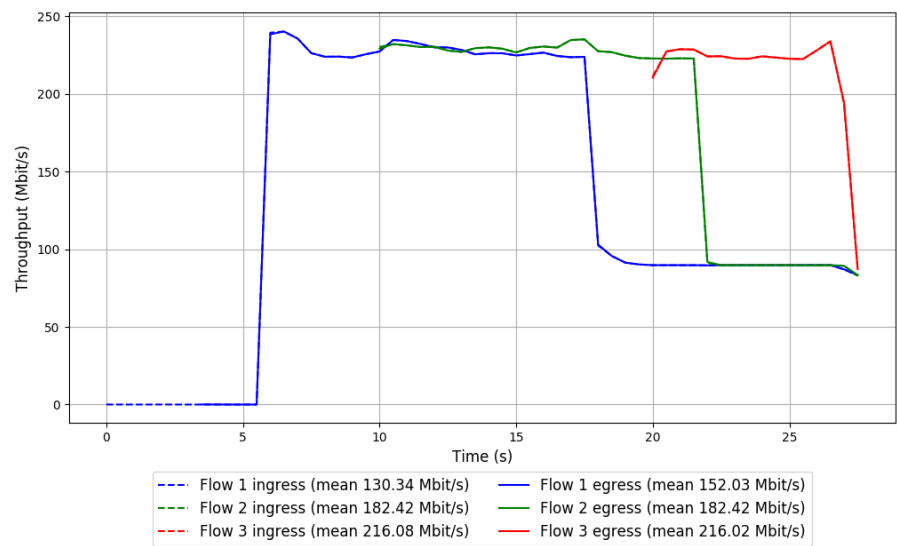
End at: 2017-11-30 21:14:20

Local clock offset: 0.353 ms

Remote clock offset: 0.006 ms



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



Run 2: Statistics of TaoVA-100x

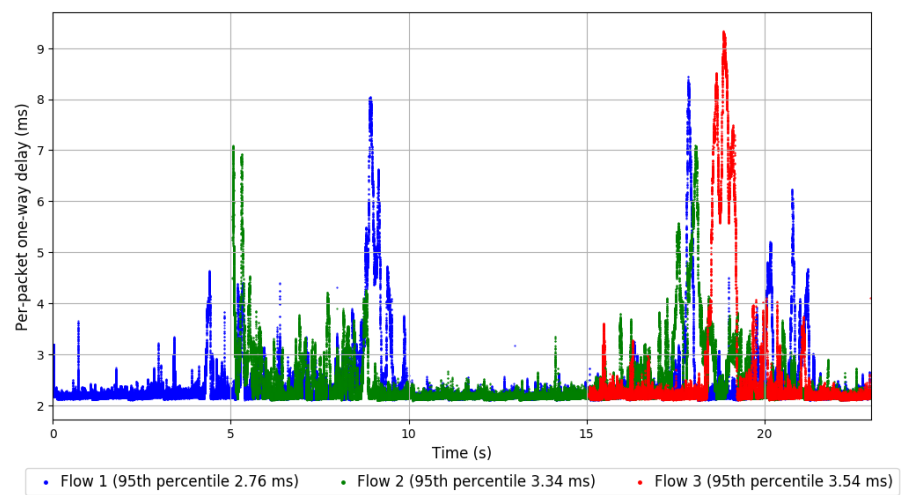
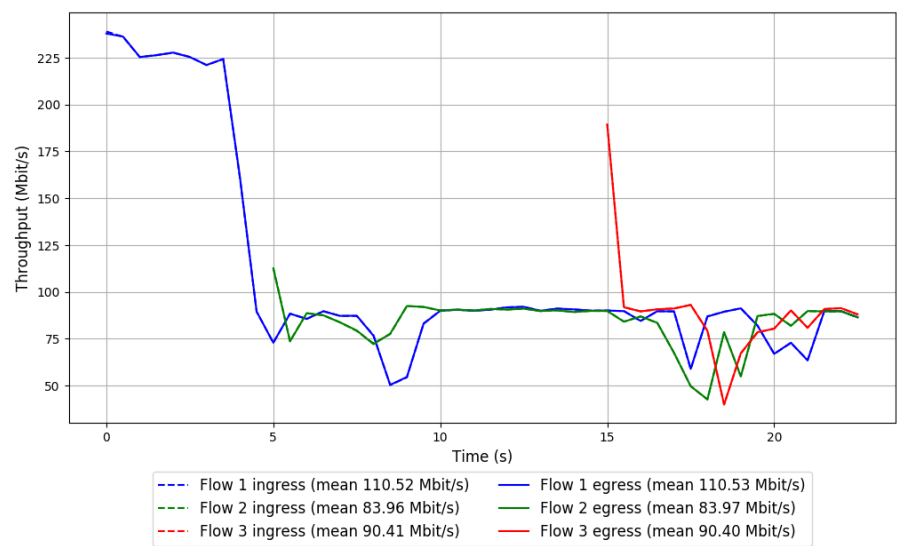
Start at: 2017-11-30 21:33:21

End at: 2017-11-30 21:33:51

Local clock offset: 0.231 ms

Remote clock offset: -0.019 ms

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

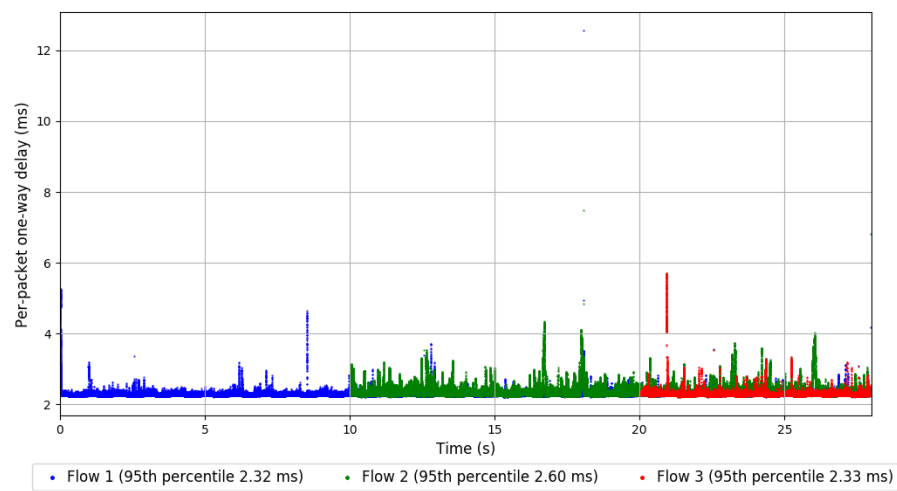
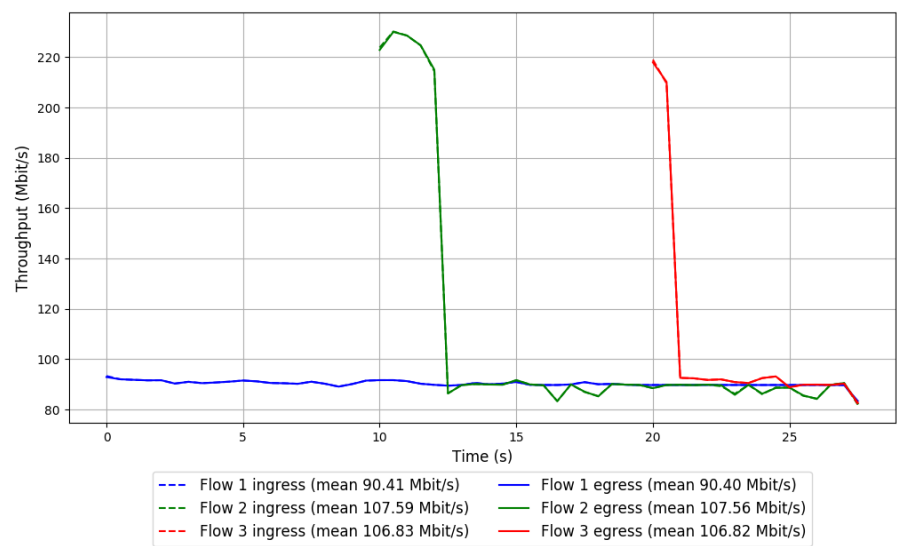


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-30 21:52:32  
End at: 2017-11-30 21:53:02  
Local clock offset: 0.087 ms  
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2017-12-01 03:16:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 189.80 Mbit/s  
95th percentile per-packet one-way delay: 2.423 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.40 Mbit/s  
95th percentile per-packet one-way delay: 2.322 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 107.56 Mbit/s  
95th percentile per-packet one-way delay: 2.599 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 106.82 Mbit/s  
95th percentile per-packet one-way delay: 2.335 ms  
Loss rate: 0.00%

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

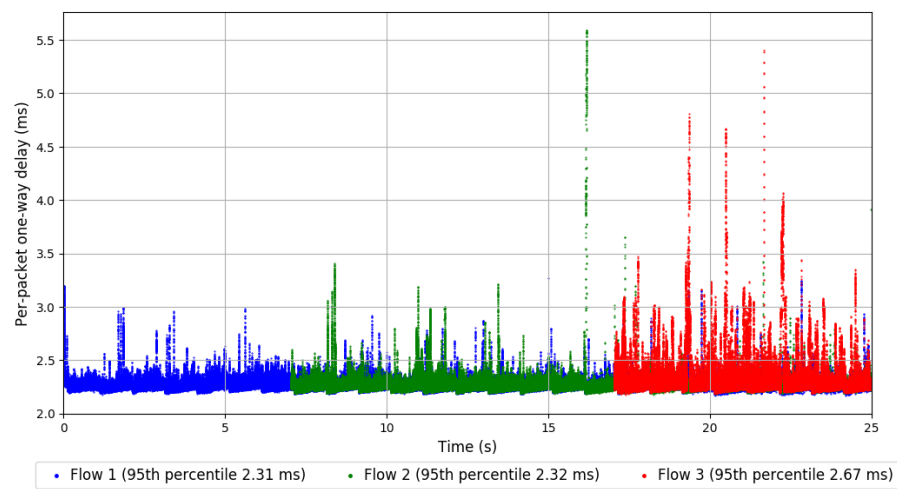
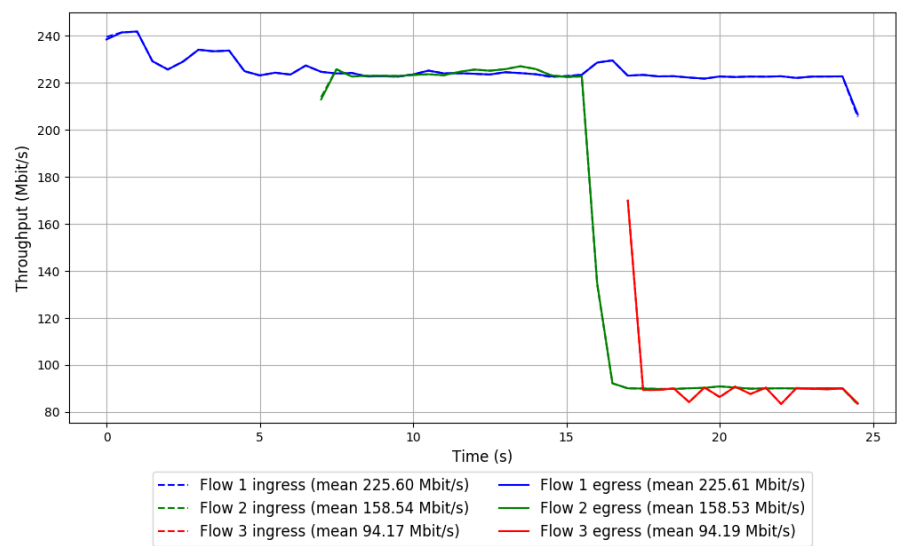


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-30 22:11:58  
End at: 2017-11-30 22:12:28  
Local clock offset: 0.055 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2017-12-01 03:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 369.42 Mbit/s  
95th percentile per-packet one-way delay: 2.331 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 225.61 Mbit/s  
95th percentile per-packet one-way delay: 2.313 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 158.53 Mbit/s  
95th percentile per-packet one-way delay: 2.318 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 94.19 Mbit/s  
95th percentile per-packet one-way delay: 2.667 ms  
Loss rate: 0.00%

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



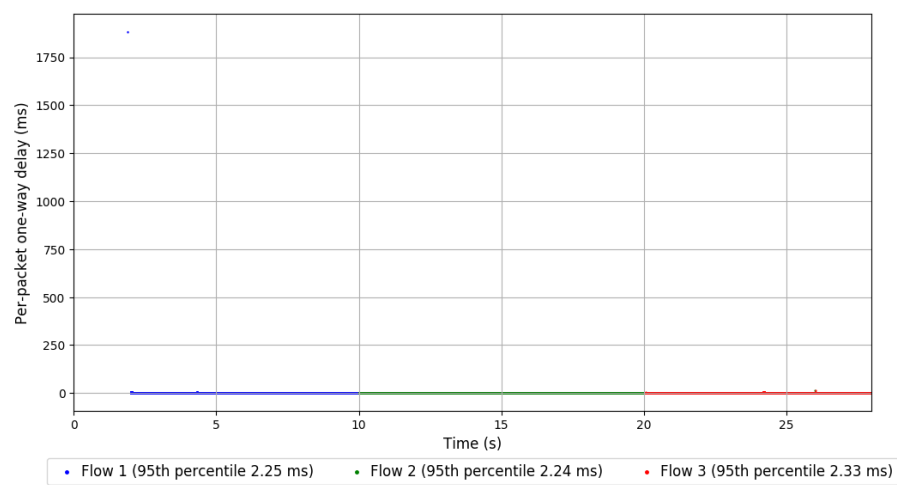
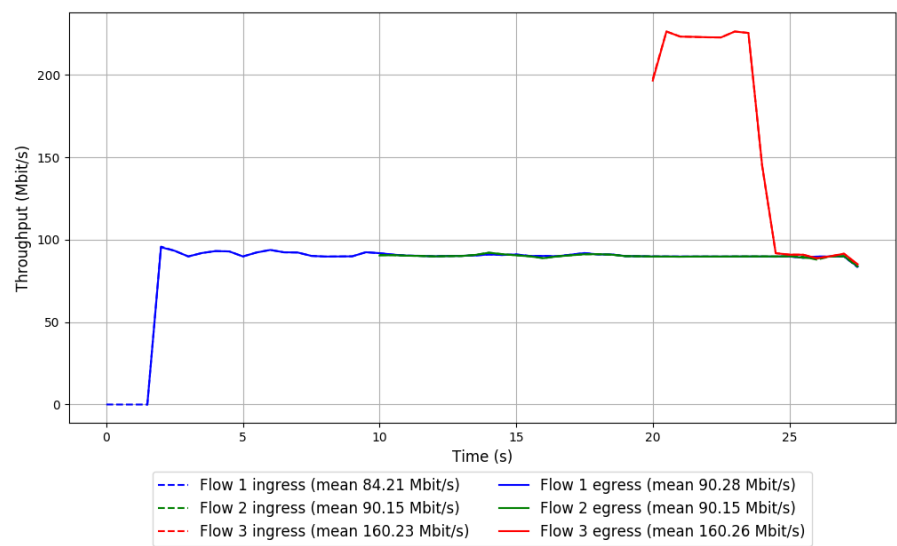
Run 5: Statistics of TaoVA-100x

Start at: 2017-11-30 22:31:38  
End at: 2017-11-30 22:32:08  
Local clock offset: -0.057 ms  
Remote clock offset: -0.332 ms

# Below is generated by plot.py at 2017-12-01 03:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 201.02 Mbit/s  
95th percentile per-packet one-way delay: 2.261 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.28 Mbit/s  
95th percentile per-packet one-way delay: 2.251 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 90.15 Mbit/s  
95th percentile per-packet one-way delay: 2.244 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 160.26 Mbit/s  
95th percentile per-packet one-way delay: 2.335 ms  
Loss rate: 0.00%



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



Run 6: Statistics of TaoVA-100x

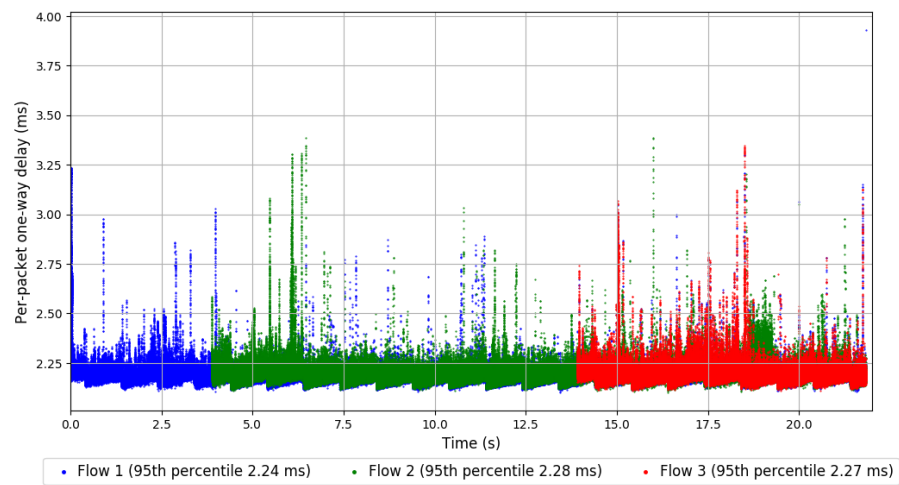
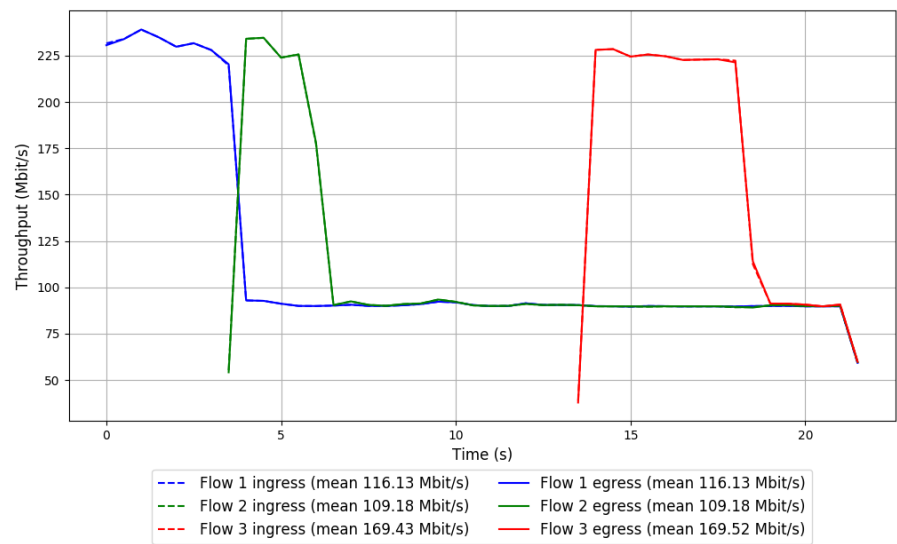
Start at: 2017-11-30 22:51:00

End at: 2017-11-30 22:51:30

Local clock offset: -0.062 ms

Remote clock offset: -0.366 ms

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

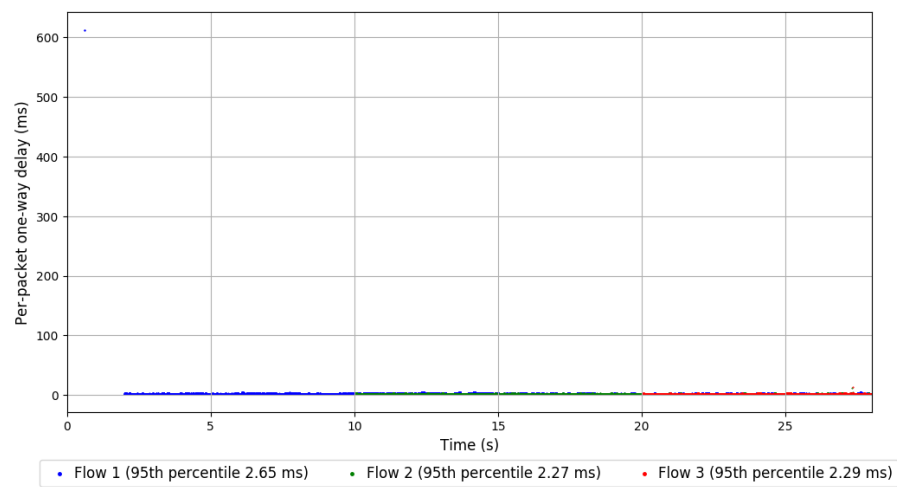
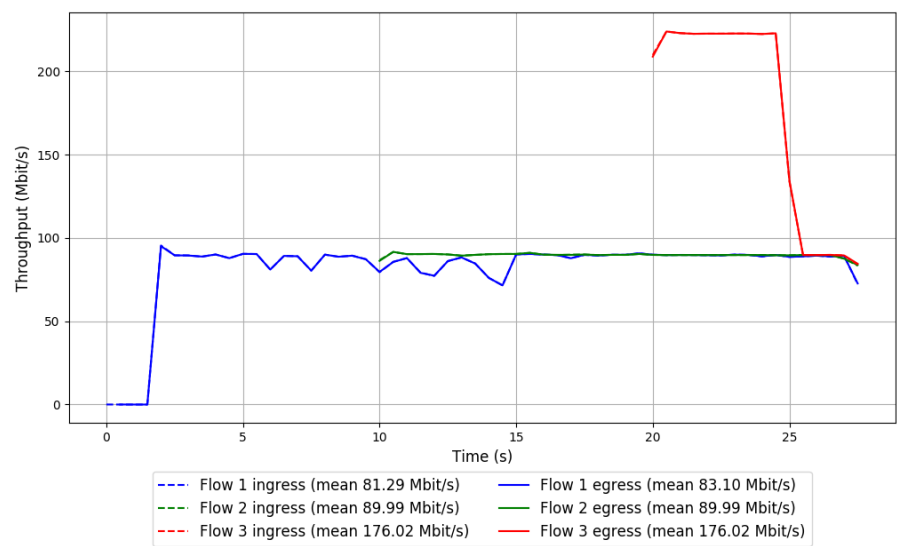


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-30 23:10:13  
End at: 2017-11-30 23:10:43  
Local clock offset: -0.114 ms  
Remote clock offset: -0.363 ms

# Below is generated by plot.py at 2017-12-01 03:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 193.15 Mbit/s  
95th percentile per-packet one-way delay: 2.443 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 83.10 Mbit/s  
95th percentile per-packet one-way delay: 2.650 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 89.99 Mbit/s  
95th percentile per-packet one-way delay: 2.274 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 176.02 Mbit/s  
95th percentile per-packet one-way delay: 2.293 ms  
Loss rate: 0.00%

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

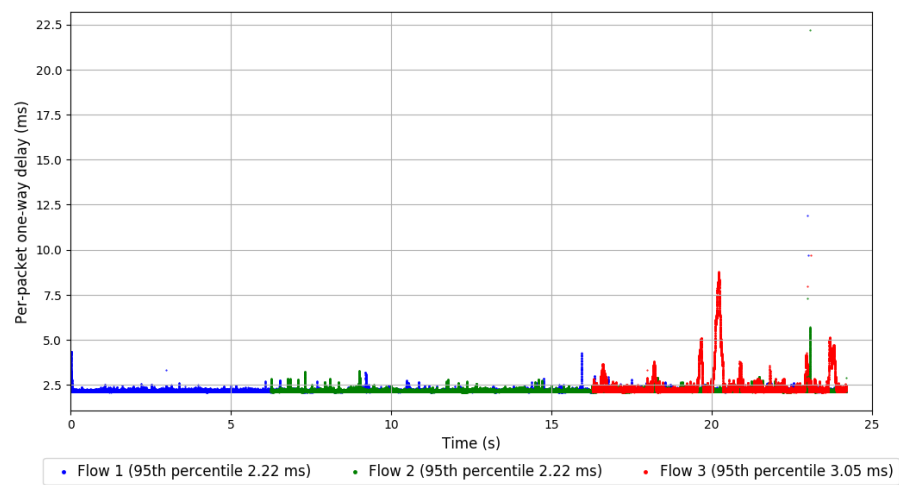
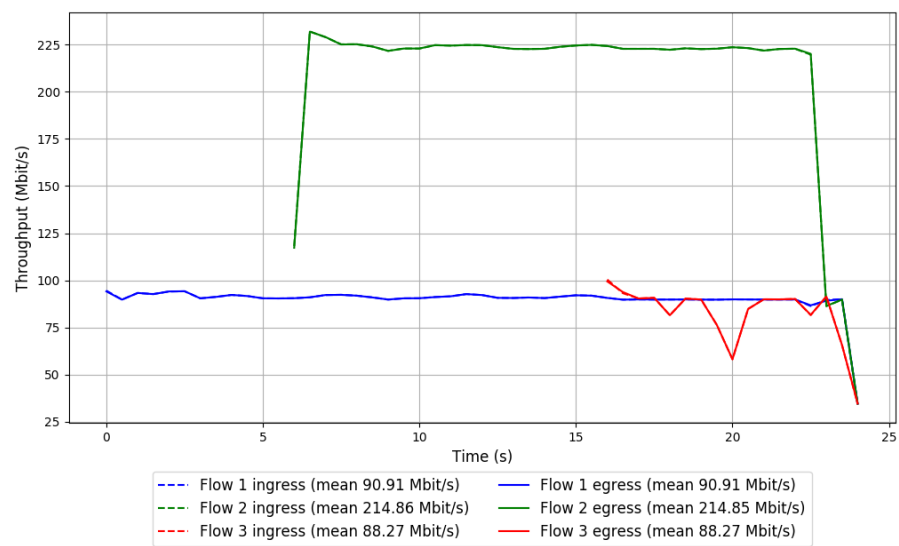


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-30 23:29:44  
End at: 2017-11-30 23:30:14  
Local clock offset: -0.101 ms  
Remote clock offset: -0.348 ms

# Below is generated by plot.py at 2017-12-01 03:17:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 279.24 Mbit/s  
95th percentile per-packet one-way delay: 2.255 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.91 Mbit/s  
95th percentile per-packet one-way delay: 2.224 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 214.85 Mbit/s  
95th percentile per-packet one-way delay: 2.217 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 88.27 Mbit/s  
95th percentile per-packet one-way delay: 3.047 ms  
Loss rate: 0.00%

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



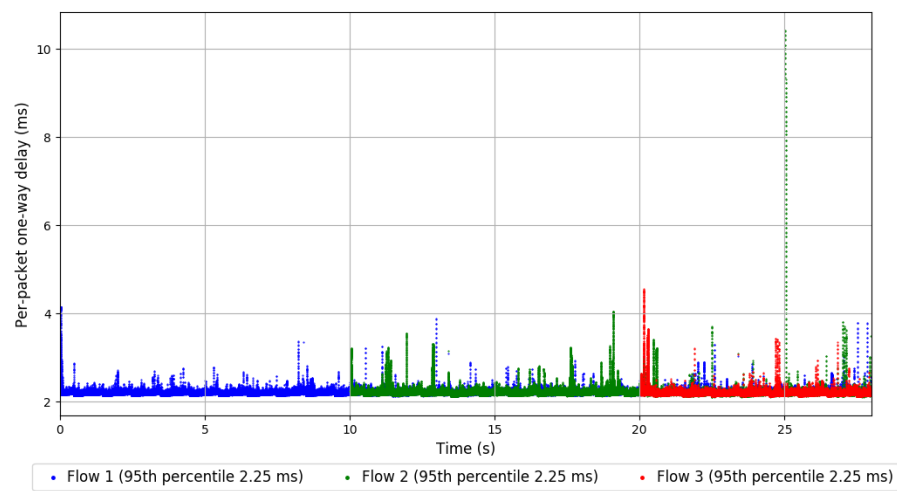
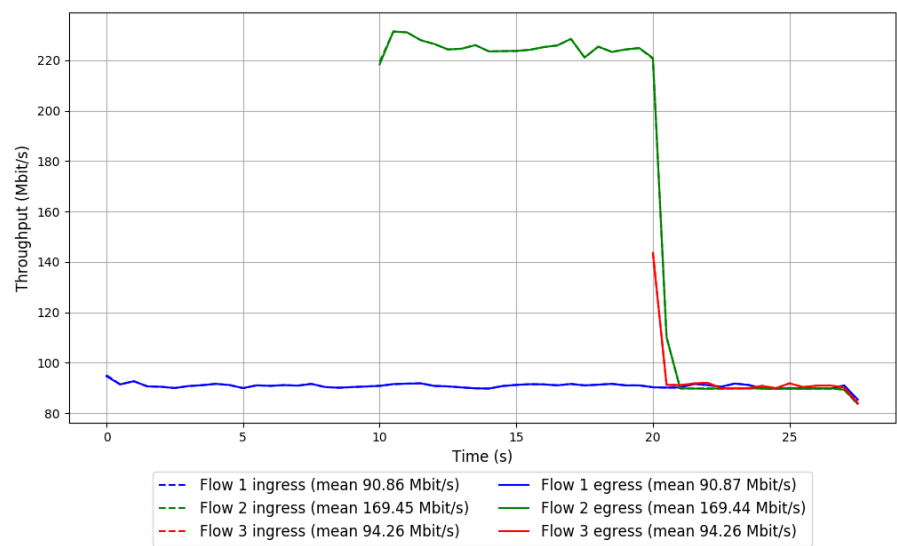
Run 9: Statistics of TaoVA-100x

Start at: 2017-11-30 23:49:15  
End at: 2017-11-30 23:49:45  
Local clock offset: -0.144 ms  
Remote clock offset: -0.277 ms

# Below is generated by plot.py at 2017-12-01 03:19:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 226.43 Mbit/s  
95th percentile per-packet one-way delay: 2.248 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 2.247 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 169.44 Mbit/s  
95th percentile per-packet one-way delay: 2.250 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 94.26 Mbit/s  
95th percentile per-packet one-way delay: 2.247 ms  
Loss rate: 0.00%



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

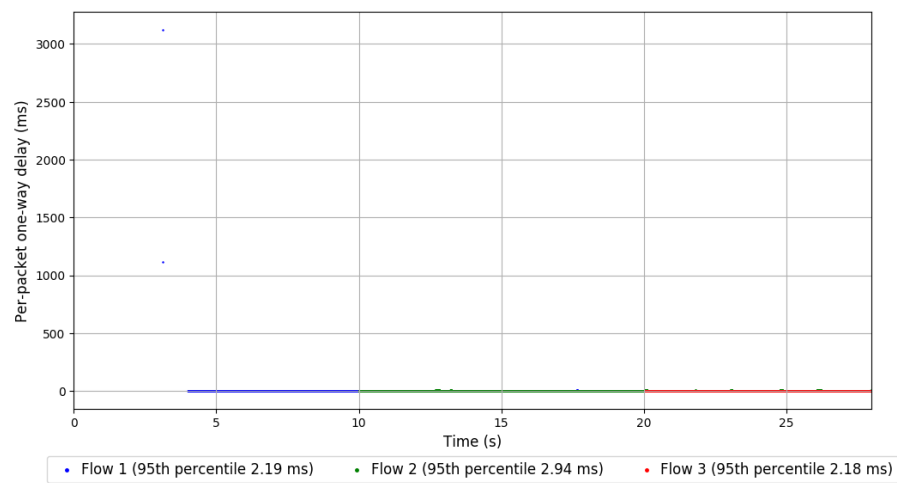
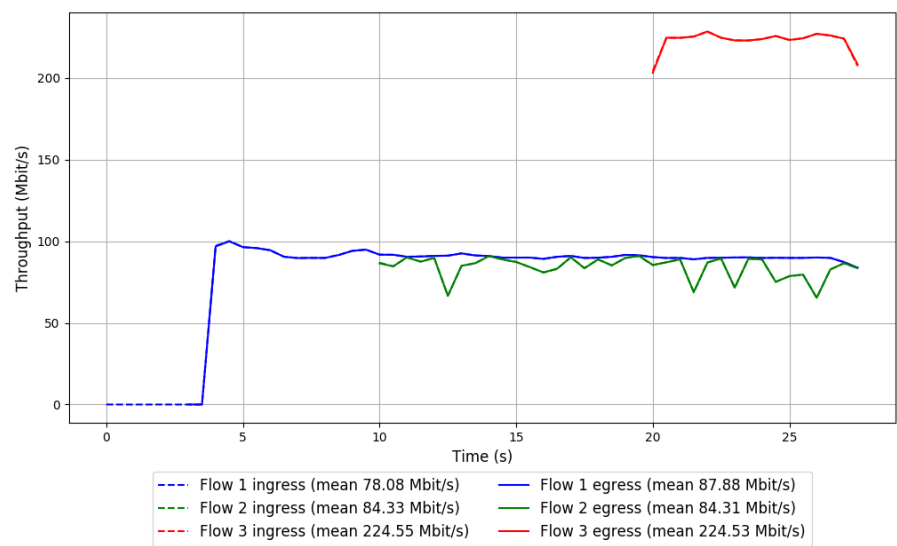


Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 00:08:37  
End at: 2017-12-01 00:09:07  
Local clock offset: -0.139 ms  
Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2017-12-01 03:19:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 220.36 Mbit/s  
95th percentile per-packet one-way delay: 2.403 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 87.88 Mbit/s  
95th percentile per-packet one-way delay: 2.187 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 84.31 Mbit/s  
95th percentile per-packet one-way delay: 2.941 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 224.53 Mbit/s  
95th percentile per-packet one-way delay: 2.182 ms  
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 21:12:23

End at: 2017-11-30 21:12:53

Local clock offset: 0.378 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2017-12-01 03:22:43

# Datalink statistics

-- Total of 3 flows:

Average throughput: 572.04 Mbit/s

95th percentile per-packet one-way delay: 3.839 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 279.91 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 275.90 Mbit/s

95th percentile per-packet one-way delay: 5.483 ms

Loss rate: 0.00%

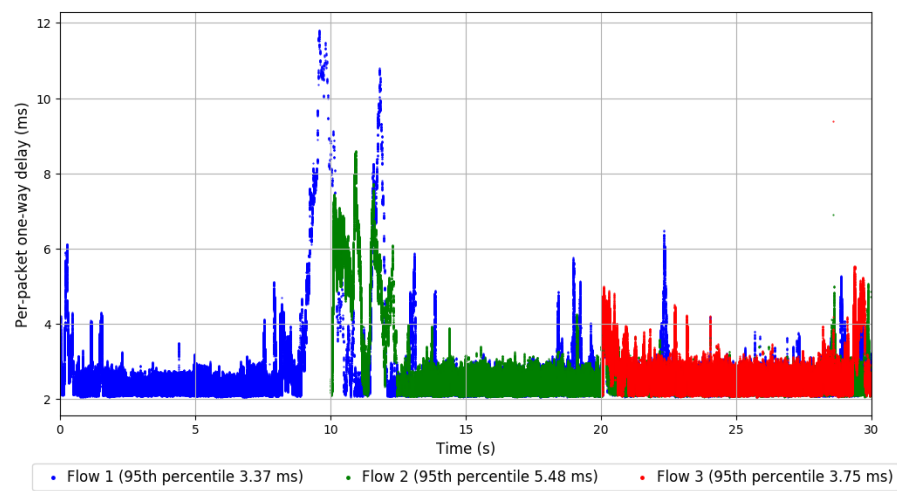
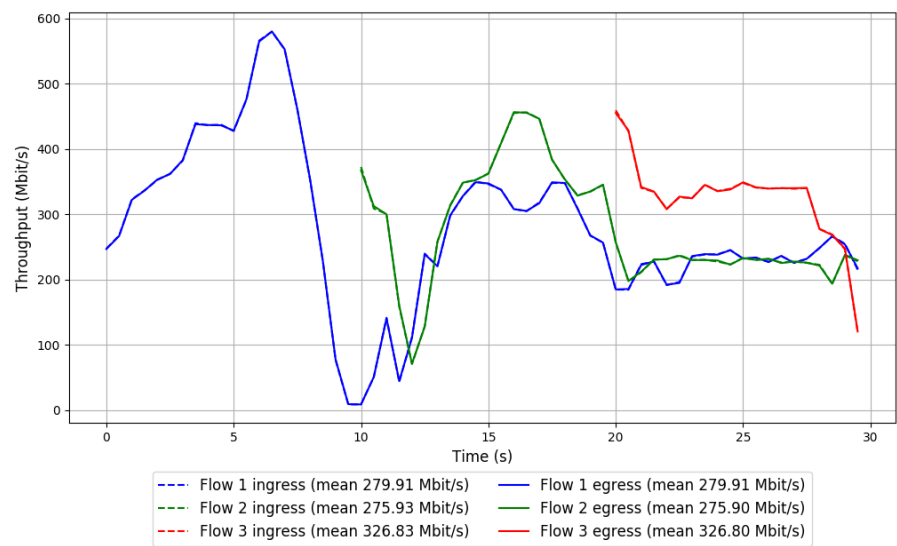
-- Flow 3:

Average throughput: 326.80 Mbit/s

95th percentile per-packet one-way delay: 3.751 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

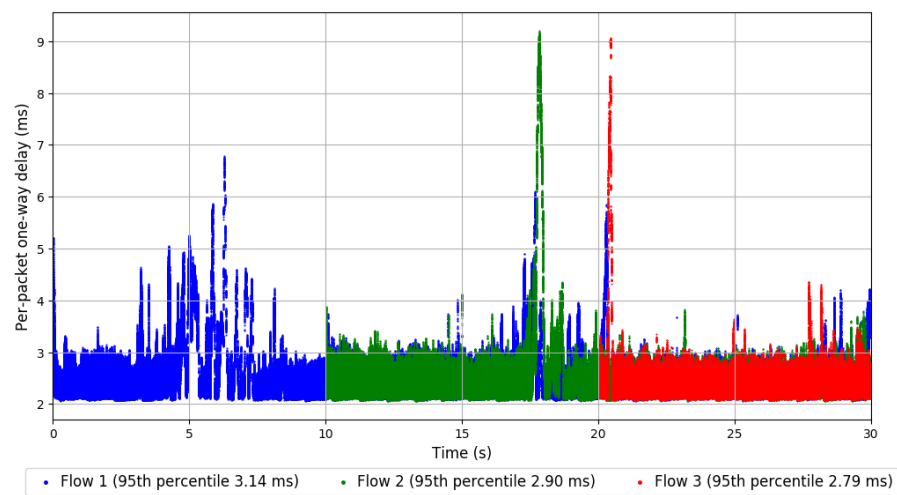
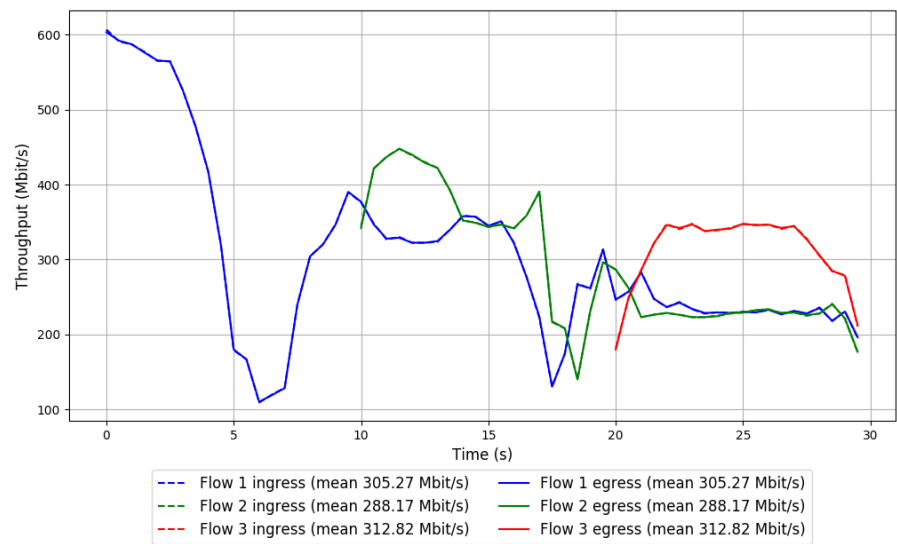


Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 21:31:52  
End at: 2017-11-30 21:32:22  
Local clock offset: 0.246 ms  
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2017-12-01 03:23:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 601.05 Mbit/s  
95th percentile per-packet one-way delay: 2.967 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 305.27 Mbit/s  
95th percentile per-packet one-way delay: 3.144 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 288.17 Mbit/s  
95th percentile per-packet one-way delay: 2.898 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 312.82 Mbit/s  
95th percentile per-packet one-way delay: 2.788 ms  
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



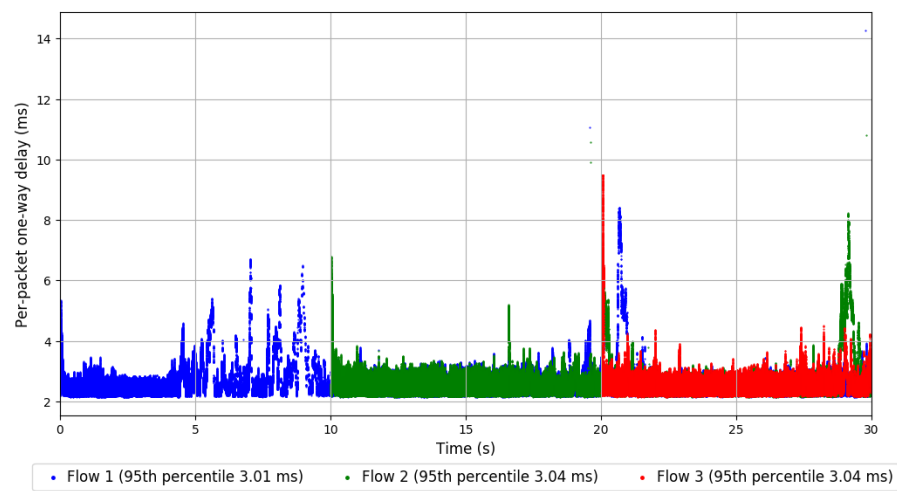
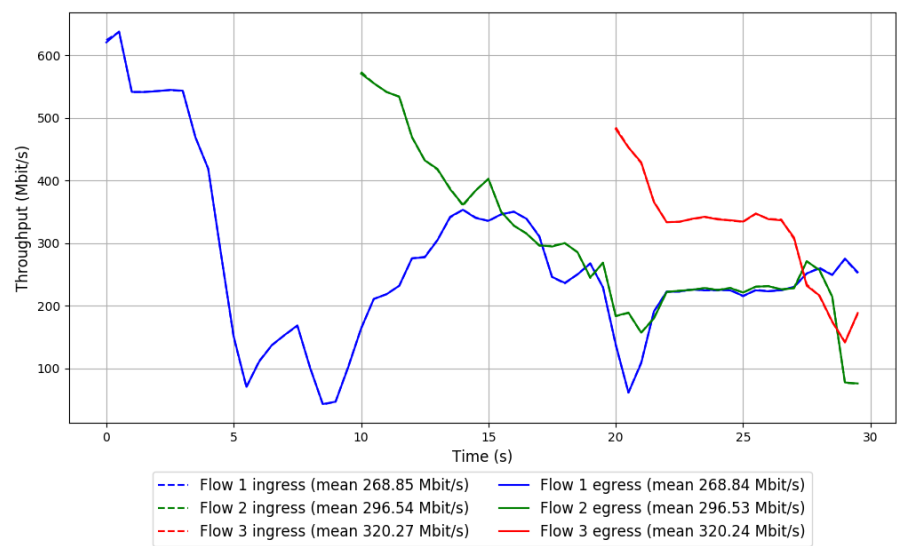
Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 21:51:04  
End at: 2017-11-30 21:51:34  
Local clock offset: 0.149 ms  
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2017-12-01 03:23:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 572.70 Mbit/s  
95th percentile per-packet one-way delay: 3.024 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 268.84 Mbit/s  
95th percentile per-packet one-way delay: 3.007 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 296.53 Mbit/s  
95th percentile per-packet one-way delay: 3.036 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 320.24 Mbit/s  
95th percentile per-packet one-way delay: 3.040 ms  
Loss rate: 0.00%



Run 3: Report of TCP Vegas — Data Link

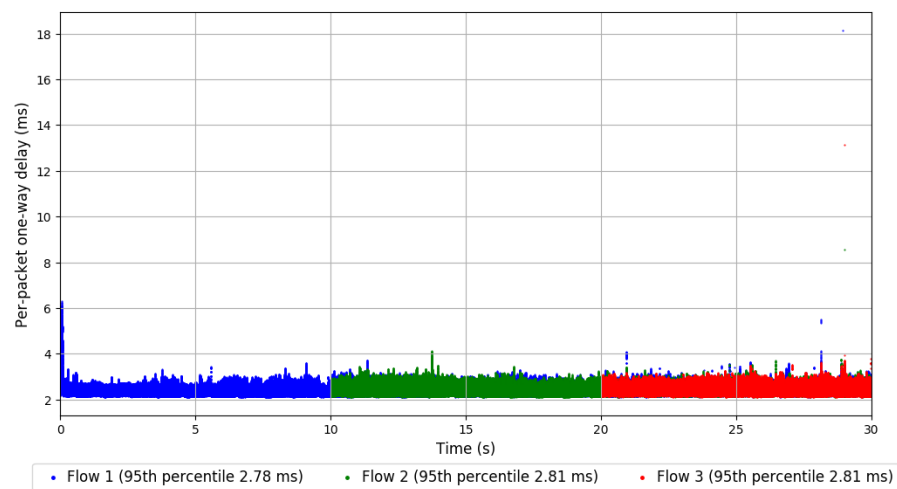
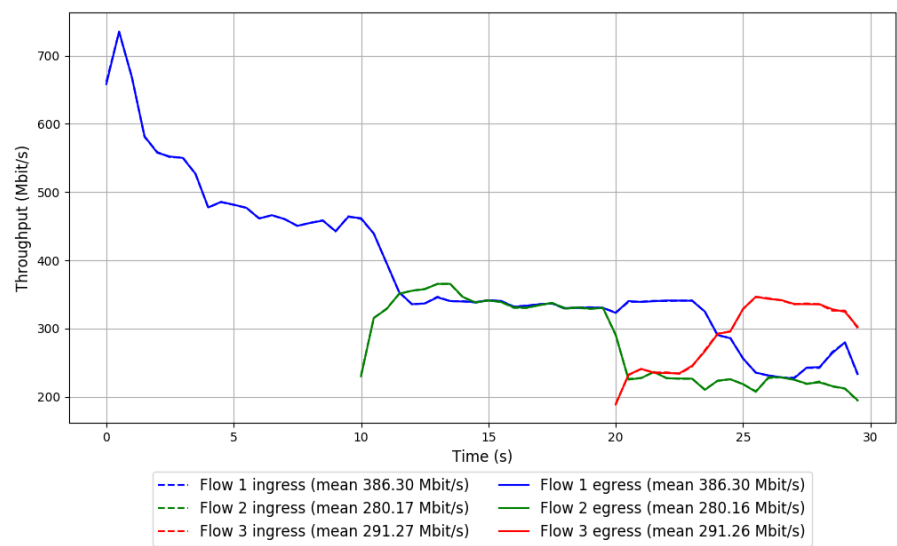


Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 22:10:26  
End at: 2017-11-30 22:10:56  
Local clock offset: 0.054 ms  
Remote clock offset: -0.269 ms

# Below is generated by plot.py at 2017-12-01 03:25:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 669.46 Mbit/s  
95th percentile per-packet one-way delay: 2.795 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 386.30 Mbit/s  
95th percentile per-packet one-way delay: 2.781 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 280.16 Mbit/s  
95th percentile per-packet one-way delay: 2.808 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 291.26 Mbit/s  
95th percentile per-packet one-way delay: 2.814 ms  
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 22:30:07

End at: 2017-11-30 22:30:37

Local clock offset: 0.036 ms

Remote clock offset: -0.26 ms

# Below is generated by plot.py at 2017-12-01 03:26:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 659.71 Mbit/s

95th percentile per-packet one-way delay: 2.860 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 334.46 Mbit/s

95th percentile per-packet one-way delay: 2.842 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 369.33 Mbit/s

95th percentile per-packet one-way delay: 2.893 ms

Loss rate: 0.00%

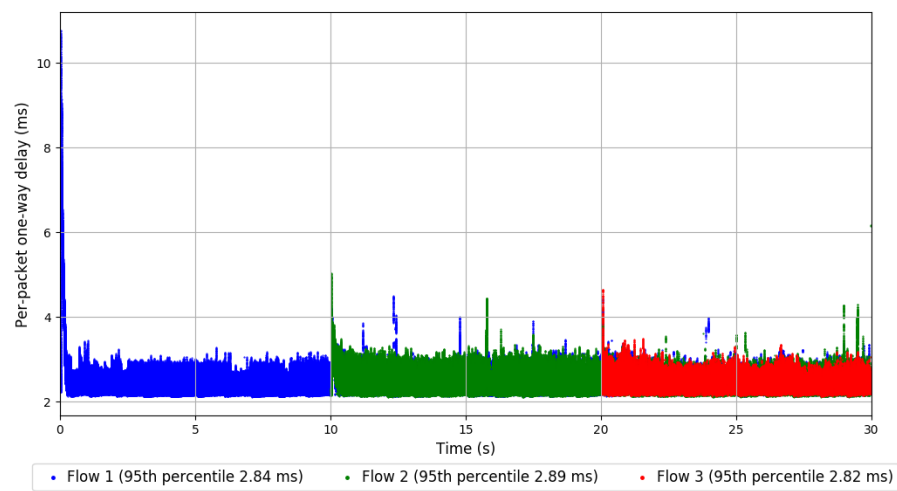
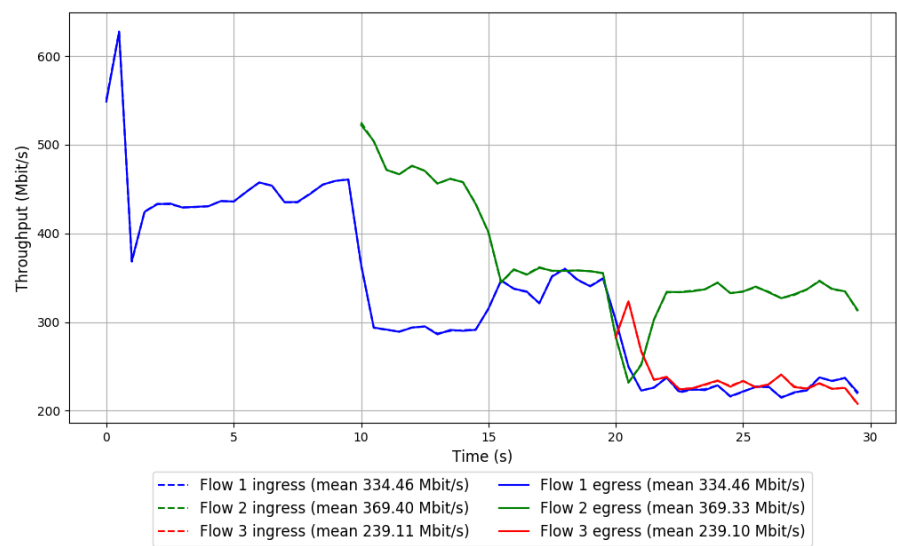
-- Flow 3:

Average throughput: 239.10 Mbit/s

95th percentile per-packet one-way delay: 2.818 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

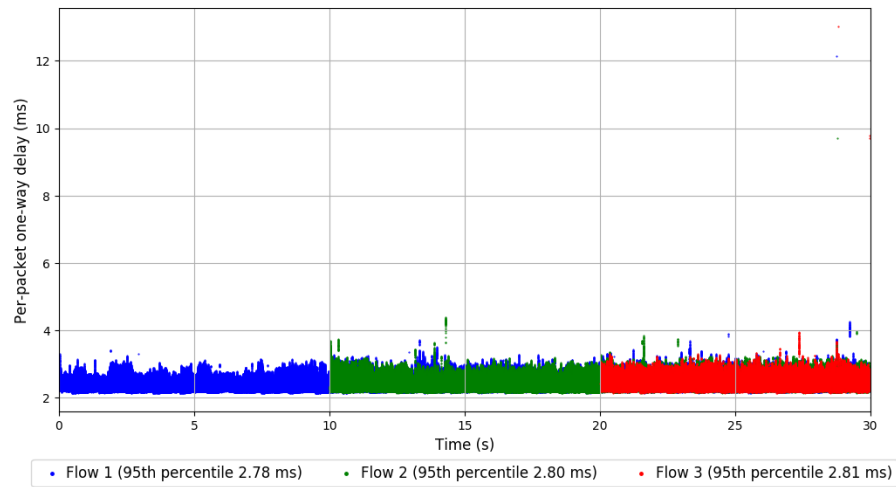
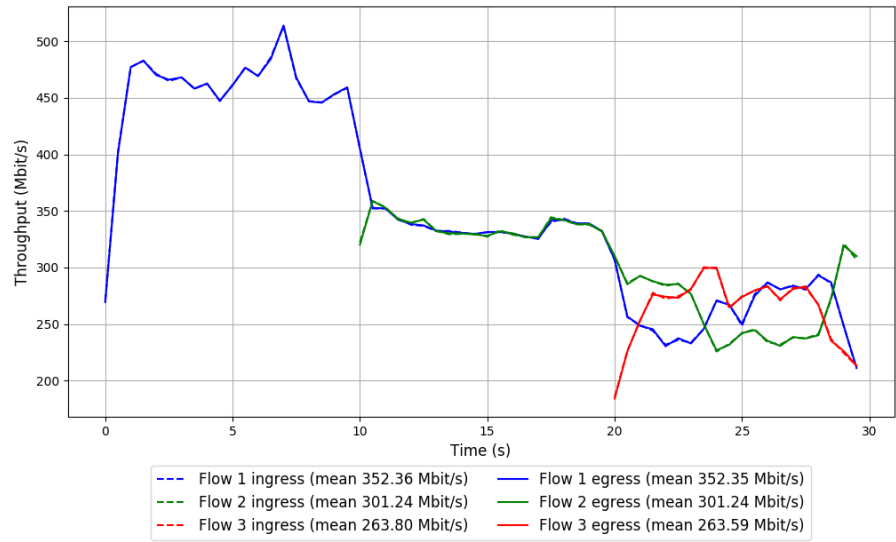


Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 22:49:30  
End at: 2017-11-30 22:50:00  
Local clock offset: -0.065 ms  
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2017-12-01 03:27:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 640.32 Mbit/s  
95th percentile per-packet one-way delay: 2.791 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 352.35 Mbit/s  
95th percentile per-packet one-way delay: 2.781 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 301.24 Mbit/s  
95th percentile per-packet one-way delay: 2.802 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 263.59 Mbit/s  
95th percentile per-packet one-way delay: 2.806 ms  
Loss rate: 0.01%

## Run 6: Report of TCP Vegas — Data Link



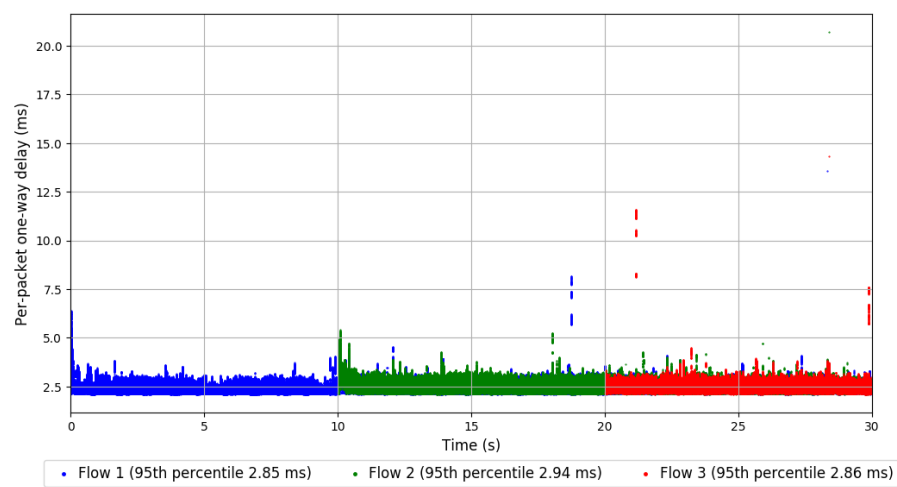
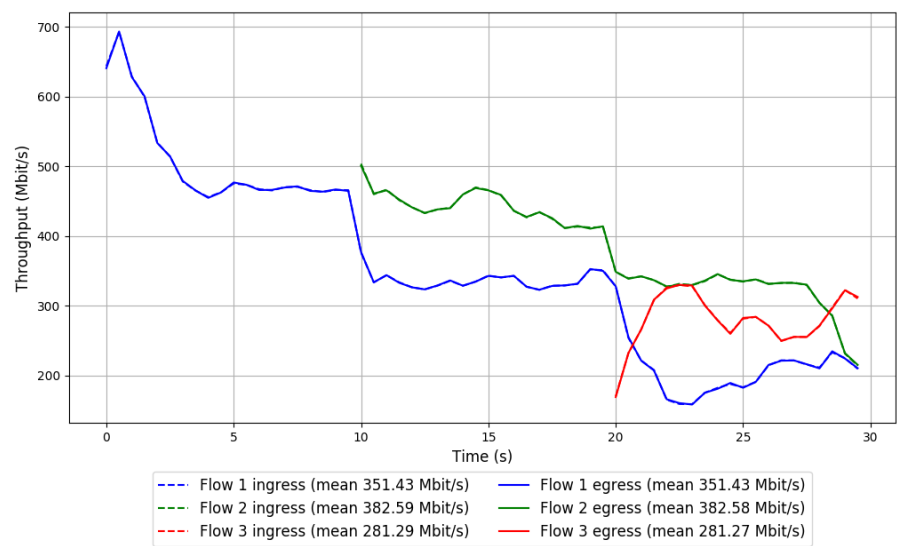
Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 23:08:41  
End at: 2017-11-30 23:09:11  
Local clock offset: -0.077 ms  
Remote clock offset: -0.363 ms

# Below is generated by plot.py at 2017-12-01 03:29:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 699.66 Mbit/s  
95th percentile per-packet one-way delay: 2.892 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 351.43 Mbit/s  
95th percentile per-packet one-way delay: 2.855 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 382.58 Mbit/s  
95th percentile per-packet one-way delay: 2.939 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 281.27 Mbit/s  
95th percentile per-packet one-way delay: 2.862 ms  
Loss rate: 0.00%



Run 7: Report of TCP Vegas — Data Link

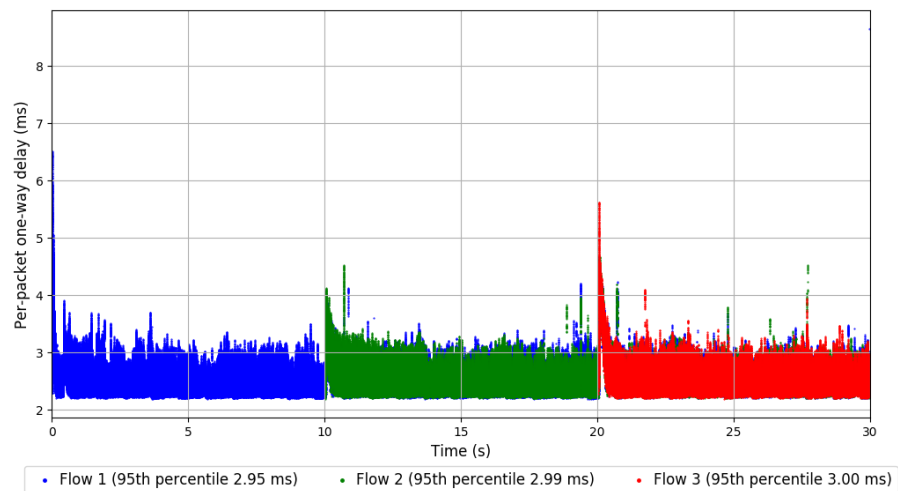
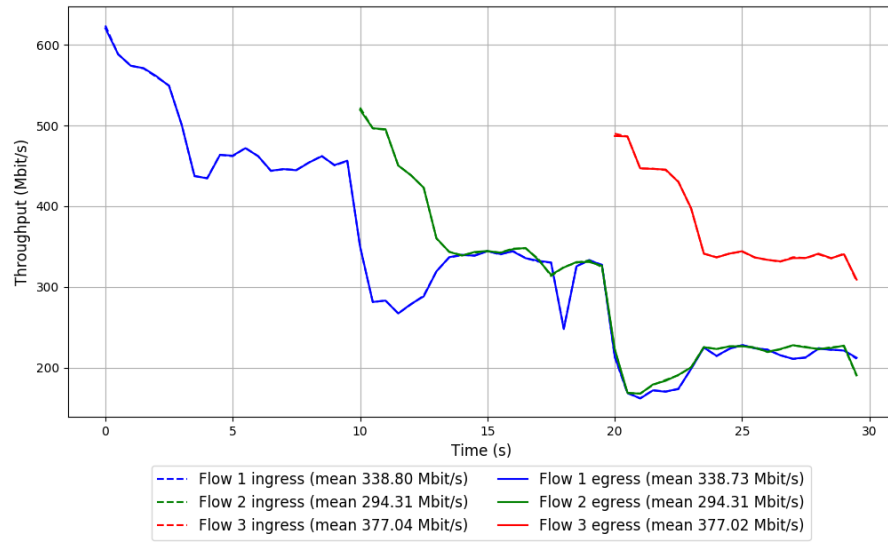


Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 23:28:14  
End at: 2017-11-30 23:28:44  
Local clock offset: -0.19 ms  
Remote clock offset: -0.352 ms

# Below is generated by plot.py at 2017-12-01 03:29:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 659.80 Mbit/s  
95th percentile per-packet one-way delay: 2.971 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 338.73 Mbit/s  
95th percentile per-packet one-way delay: 2.954 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 294.31 Mbit/s  
95th percentile per-packet one-way delay: 2.988 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 377.02 Mbit/s  
95th percentile per-packet one-way delay: 2.998 ms  
Loss rate: 0.00%

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

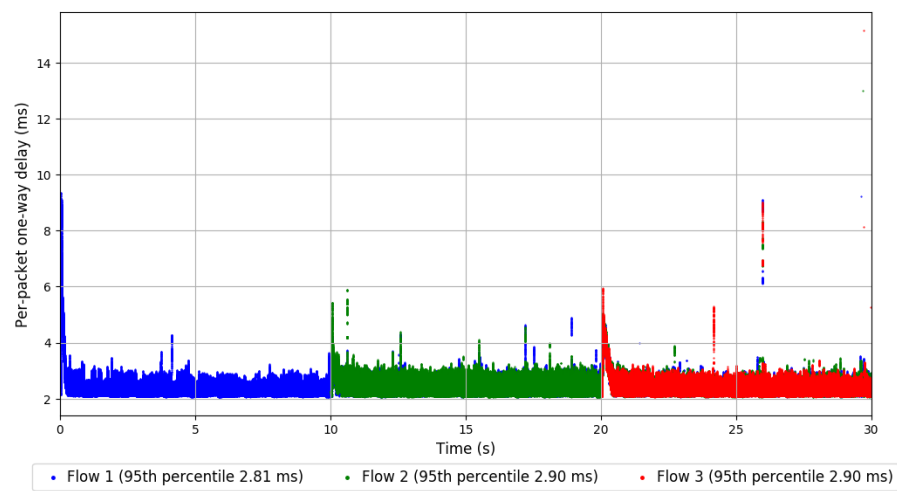
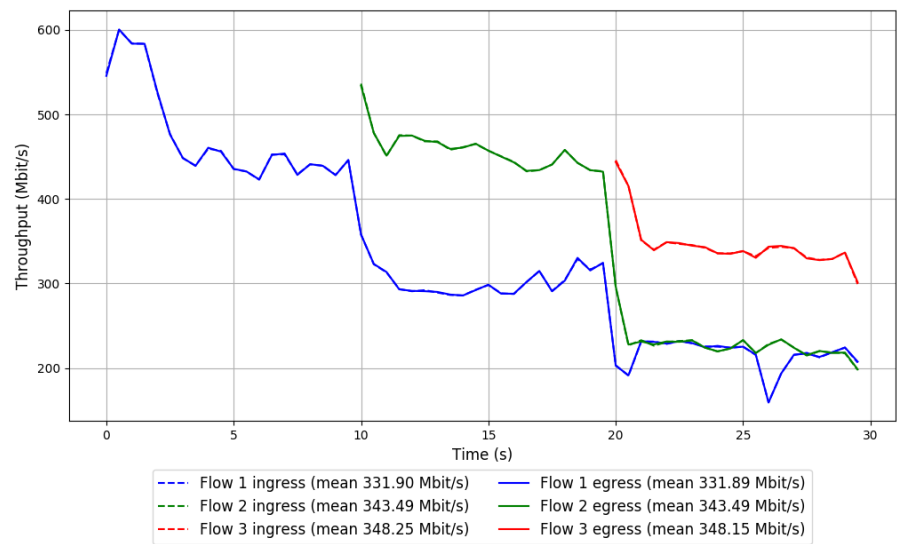


Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 23:47:44  
End at: 2017-11-30 23:48:14  
Local clock offset: -0.124 ms  
Remote clock offset: -0.328 ms

# Below is generated by plot.py at 2017-12-01 03:33:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 676.15 Mbit/s  
95th percentile per-packet one-way delay: 2.858 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 331.89 Mbit/s  
95th percentile per-packet one-way delay: 2.812 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 343.49 Mbit/s  
95th percentile per-packet one-way delay: 2.905 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 348.15 Mbit/s  
95th percentile per-packet one-way delay: 2.896 ms  
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

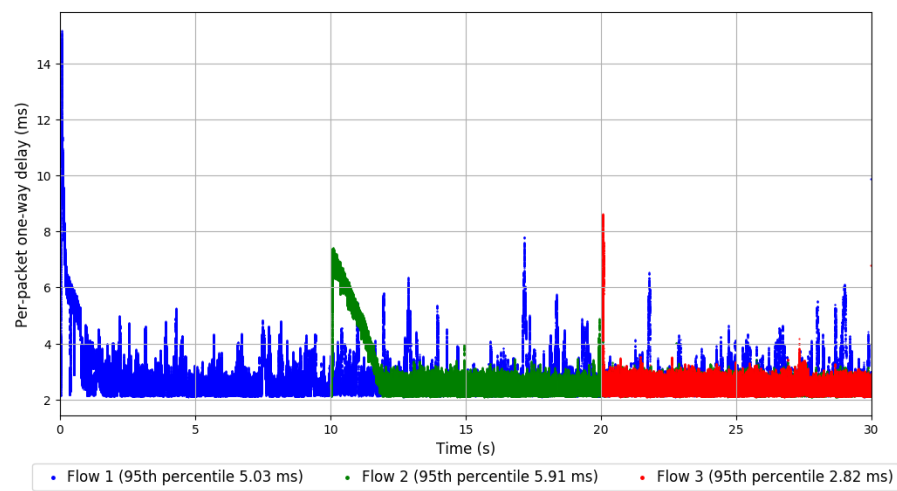
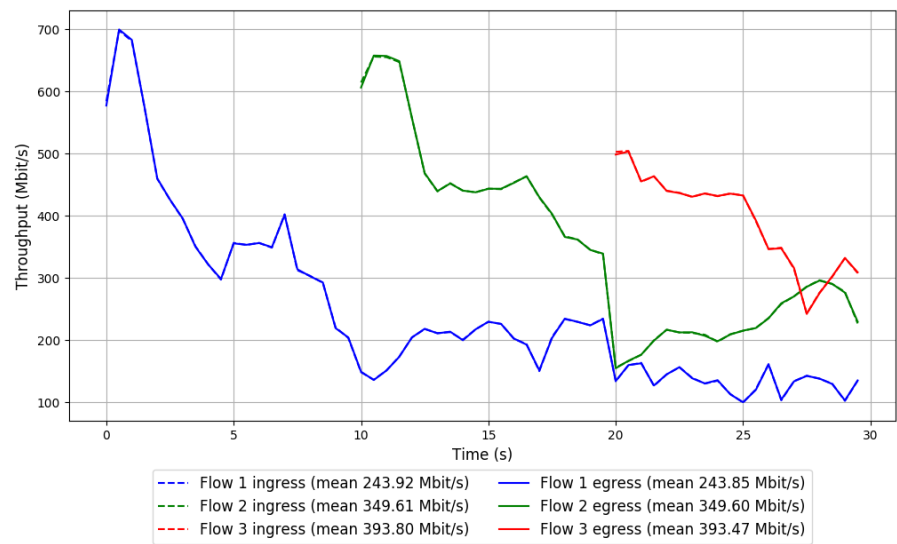


Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 00:07:08  
End at: 2017-12-01 00:07:38  
Local clock offset: -0.148 ms  
Remote clock offset: -0.243 ms

# Below is generated by plot.py at 2017-12-01 03:33:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 607.23 Mbit/s  
95th percentile per-packet one-way delay: 5.174 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 243.85 Mbit/s  
95th percentile per-packet one-way delay: 5.032 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 349.60 Mbit/s  
95th percentile per-packet one-way delay: 5.913 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 393.47 Mbit/s  
95th percentile per-packet one-way delay: 2.824 ms  
Loss rate: 0.04%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-11-30 21:16:58

End at: 2017-11-30 21:17:28

Local clock offset: 0.347 ms

Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2017-12-01 03:33:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 462.11 Mbit/s

95th percentile per-packet one-way delay: 10.003 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 288.20 Mbit/s

95th percentile per-packet one-way delay: 9.701 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 171.85 Mbit/s

95th percentile per-packet one-way delay: 12.616 ms

Loss rate: 3.23%

-- Flow 3:

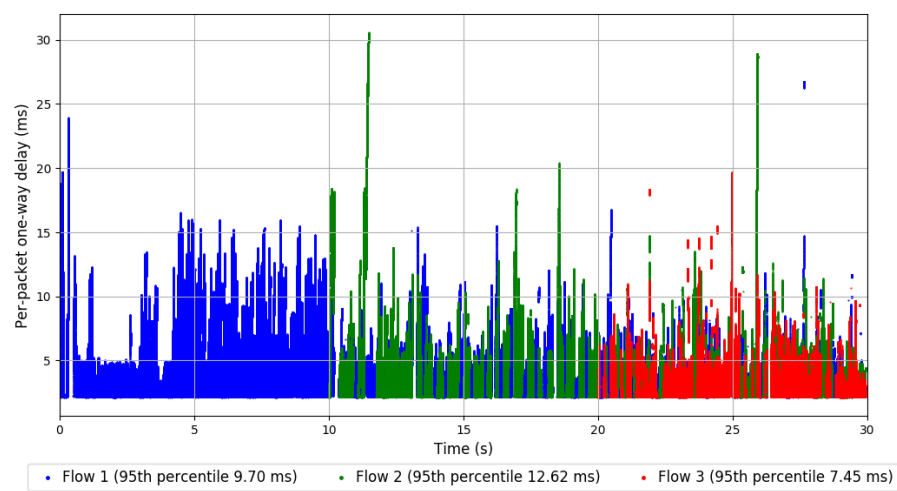
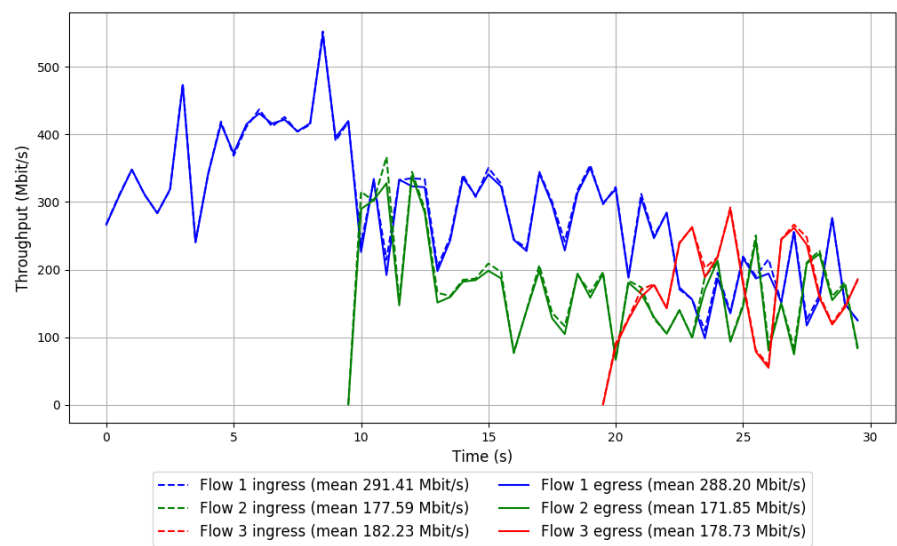
Average throughput: 178.73 Mbit/s

95th percentile per-packet one-way delay: 7.454 ms

Loss rate: 1.91%



Run 1: Report of Verus — Data Link

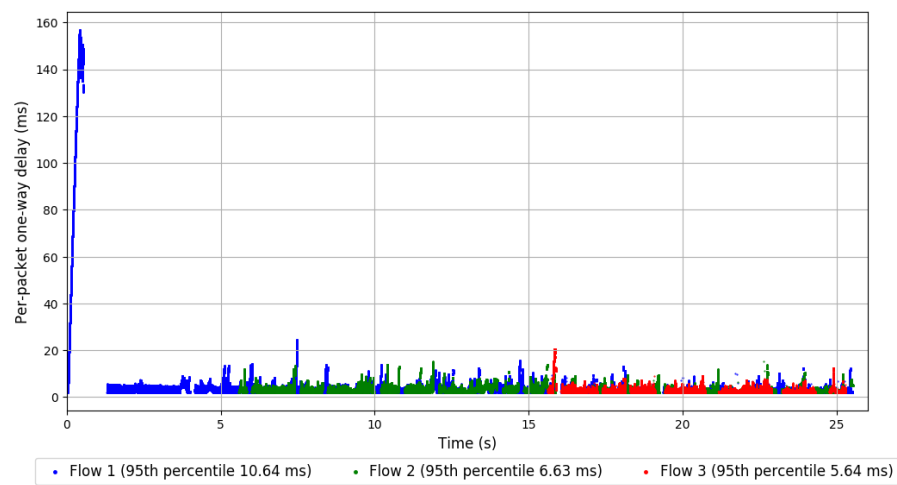
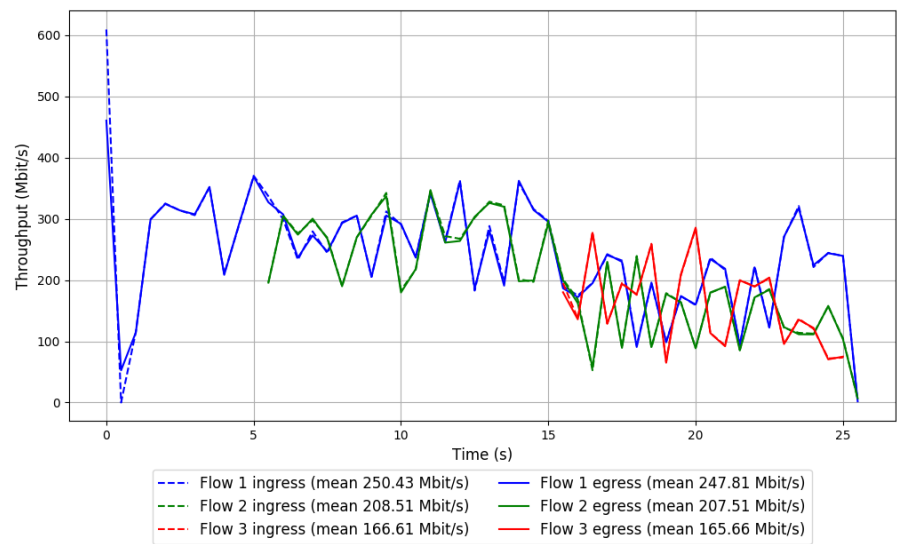


Run 2: Statistics of Verus

Start at: 2017-11-30 21:36:15  
End at: 2017-11-30 21:36:45  
Local clock offset: 0.194 ms  
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2017-12-01 03:33:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 472.81 Mbit/s  
95th percentile per-packet one-way delay: 7.801 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 247.81 Mbit/s  
95th percentile per-packet one-way delay: 10.643 ms  
Loss rate: 1.05%  
-- Flow 2:  
Average throughput: 207.51 Mbit/s  
95th percentile per-packet one-way delay: 6.631 ms  
Loss rate: 0.49%  
-- Flow 3:  
Average throughput: 165.66 Mbit/s  
95th percentile per-packet one-way delay: 5.636 ms  
Loss rate: 0.57%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

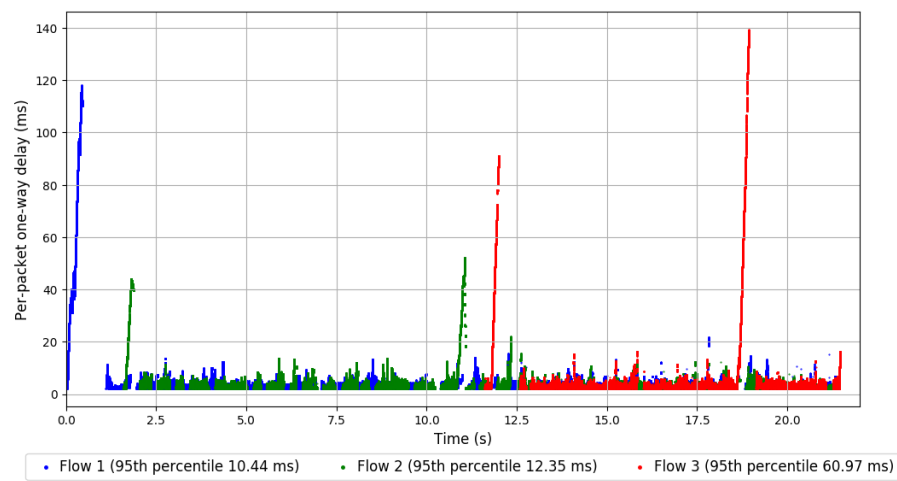
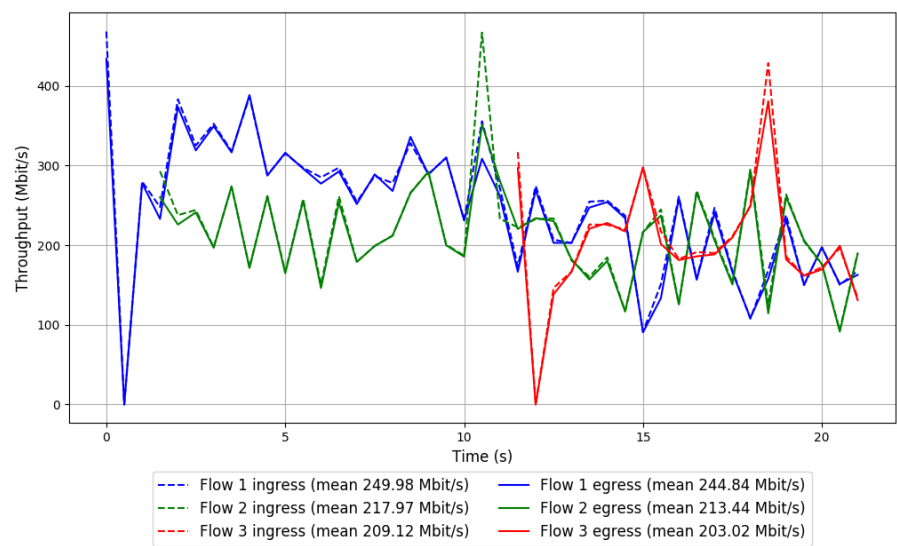
Start at: 2017-11-30 21:55:30

End at: 2017-11-30 21:56:00

Local clock offset: 0.139 ms

Remote clock offset: -0.129 ms

Run 3: Report of Verus — Data Link

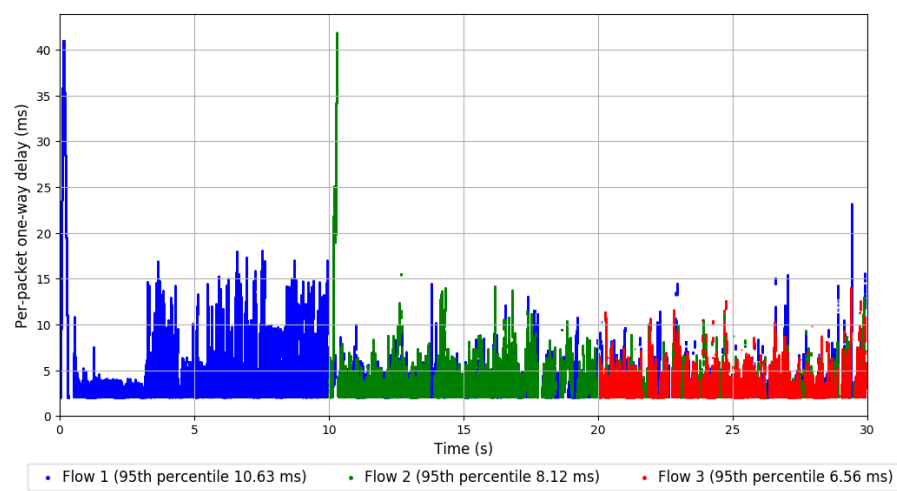
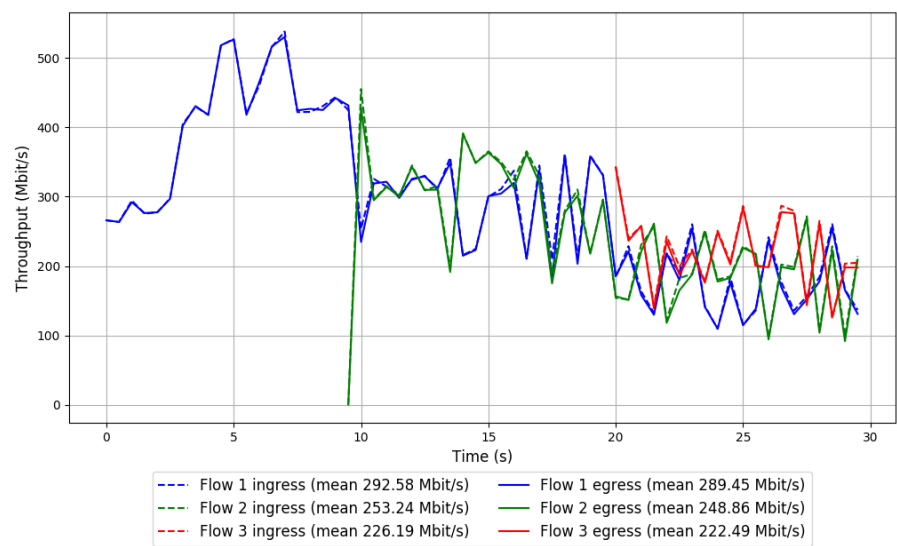


Run 4: Statistics of Verus

Start at: 2017-11-30 22:15:07  
End at: 2017-11-30 22:15:37  
Local clock offset: 0.105 ms  
Remote clock offset: -0.281 ms

# Below is generated by plot.py at 2017-12-01 03:35:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 528.50 Mbit/s  
95th percentile per-packet one-way delay: 9.419 ms  
Loss rate: 1.33%  
-- Flow 1:  
Average throughput: 289.45 Mbit/s  
95th percentile per-packet one-way delay: 10.627 ms  
Loss rate: 1.06%  
-- Flow 2:  
Average throughput: 248.86 Mbit/s  
95th percentile per-packet one-way delay: 8.115 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 222.49 Mbit/s  
95th percentile per-packet one-way delay: 6.564 ms  
Loss rate: 1.59%

Run 4: Report of Verus — Data Link



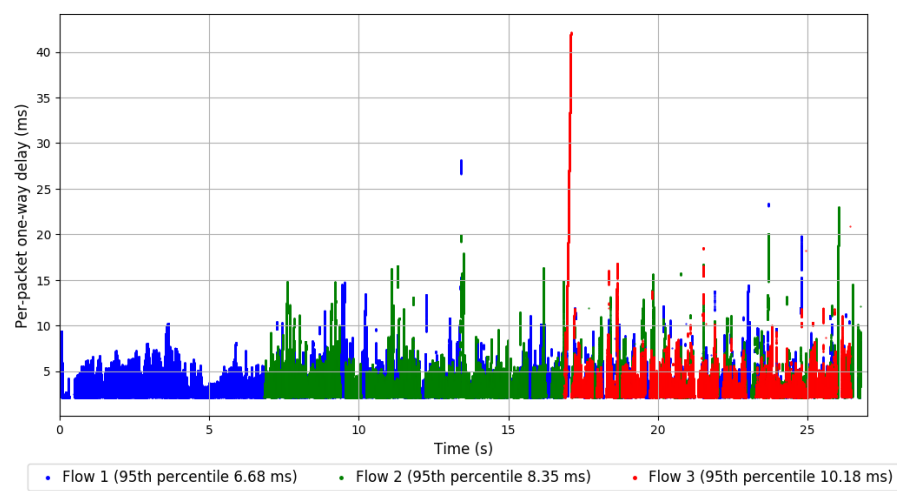
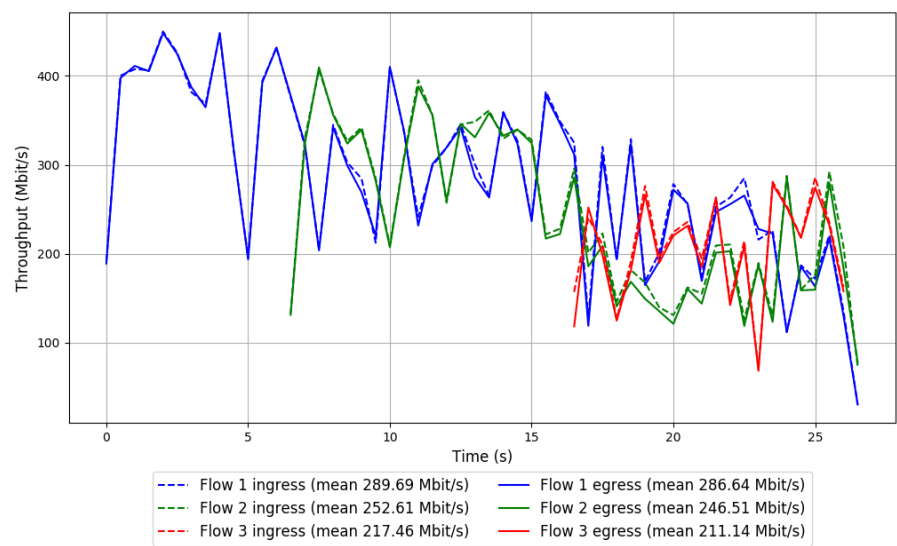
Run 5: Statistics of Verus

Start at: 2017-11-30 22:34:38  
End at: 2017-11-30 22:35:08  
Local clock offset: 0.025 ms  
Remote clock offset: -0.277 ms

# Below is generated by plot.py at 2017-12-01 03:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 546.10 Mbit/s  
95th percentile per-packet one-way delay: 7.482 ms  
Loss rate: 1.76%  
-- Flow 1:  
Average throughput: 286.64 Mbit/s  
95th percentile per-packet one-way delay: 6.685 ms  
Loss rate: 1.04%  
-- Flow 2:  
Average throughput: 246.51 Mbit/s  
95th percentile per-packet one-way delay: 8.346 ms  
Loss rate: 2.39%  
-- Flow 3:  
Average throughput: 211.14 Mbit/s  
95th percentile per-packet one-way delay: 10.177 ms  
Loss rate: 2.91%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

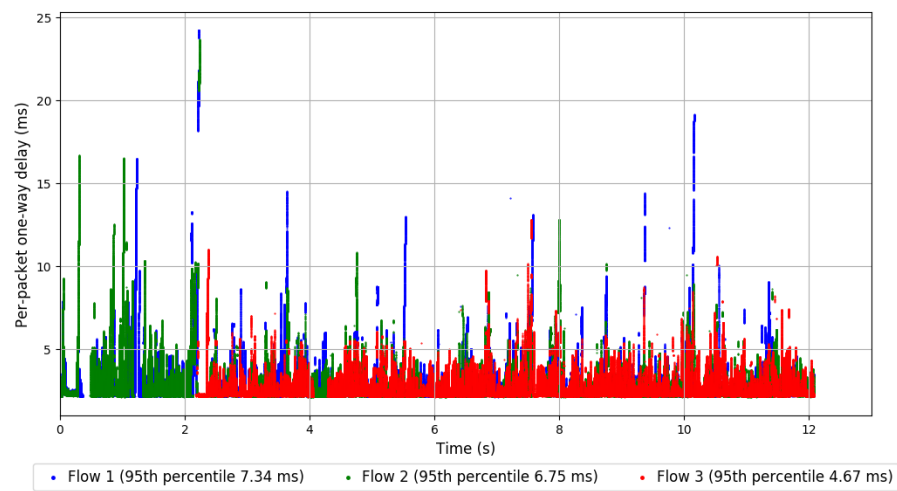
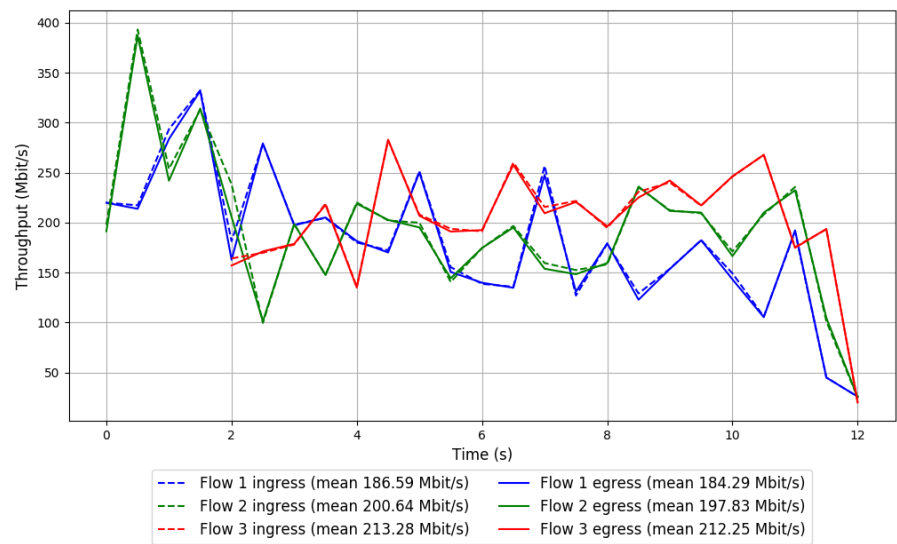
Start at: 2017-11-30 22:53:57

End at: 2017-11-30 22:54:27

Local clock offset: -0.053 ms

Remote clock offset: -0.373 ms

Run 6: Report of Verus — Data Link

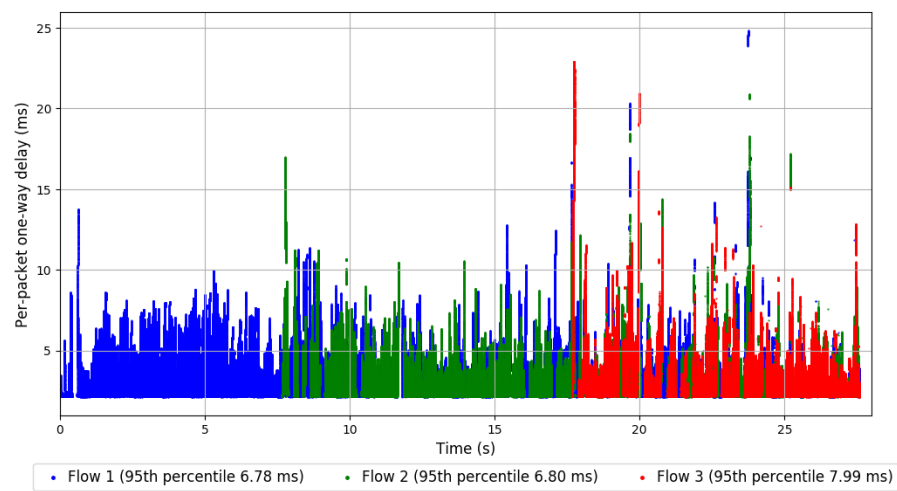
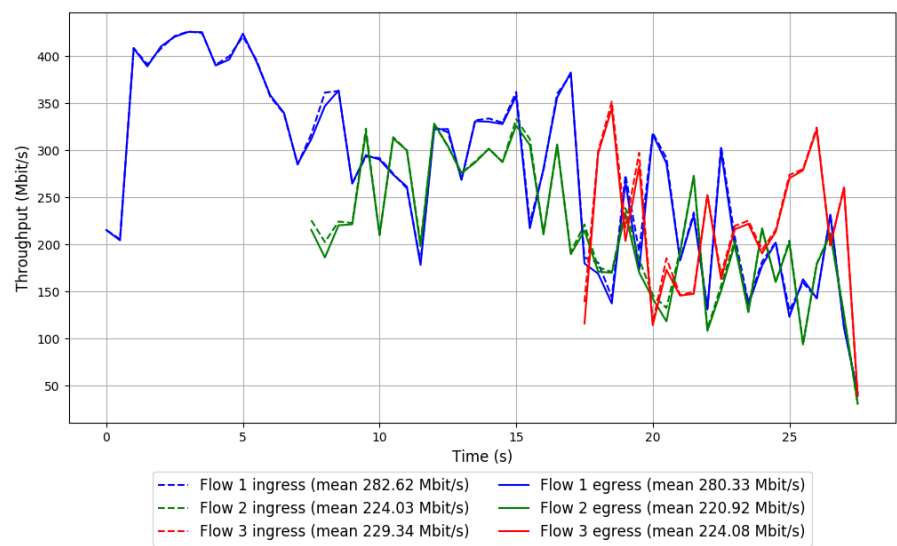


Run 7: Statistics of Verus

Start at: 2017-11-30 23:13:13  
End at: 2017-11-30 23:13:43  
Local clock offset: -0.103 ms  
Remote clock offset: -0.365 ms

# Below is generated by plot.py at 2017-12-01 03:38:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 520.27 Mbit/s  
95th percentile per-packet one-way delay: 6.885 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 280.33 Mbit/s  
95th percentile per-packet one-way delay: 6.783 ms  
Loss rate: 0.81%  
-- Flow 2:  
Average throughput: 220.92 Mbit/s  
95th percentile per-packet one-way delay: 6.804 ms  
Loss rate: 1.39%  
-- Flow 3:  
Average throughput: 224.08 Mbit/s  
95th percentile per-packet one-way delay: 7.992 ms  
Loss rate: 2.29%

Run 7: Report of Verus — Data Link

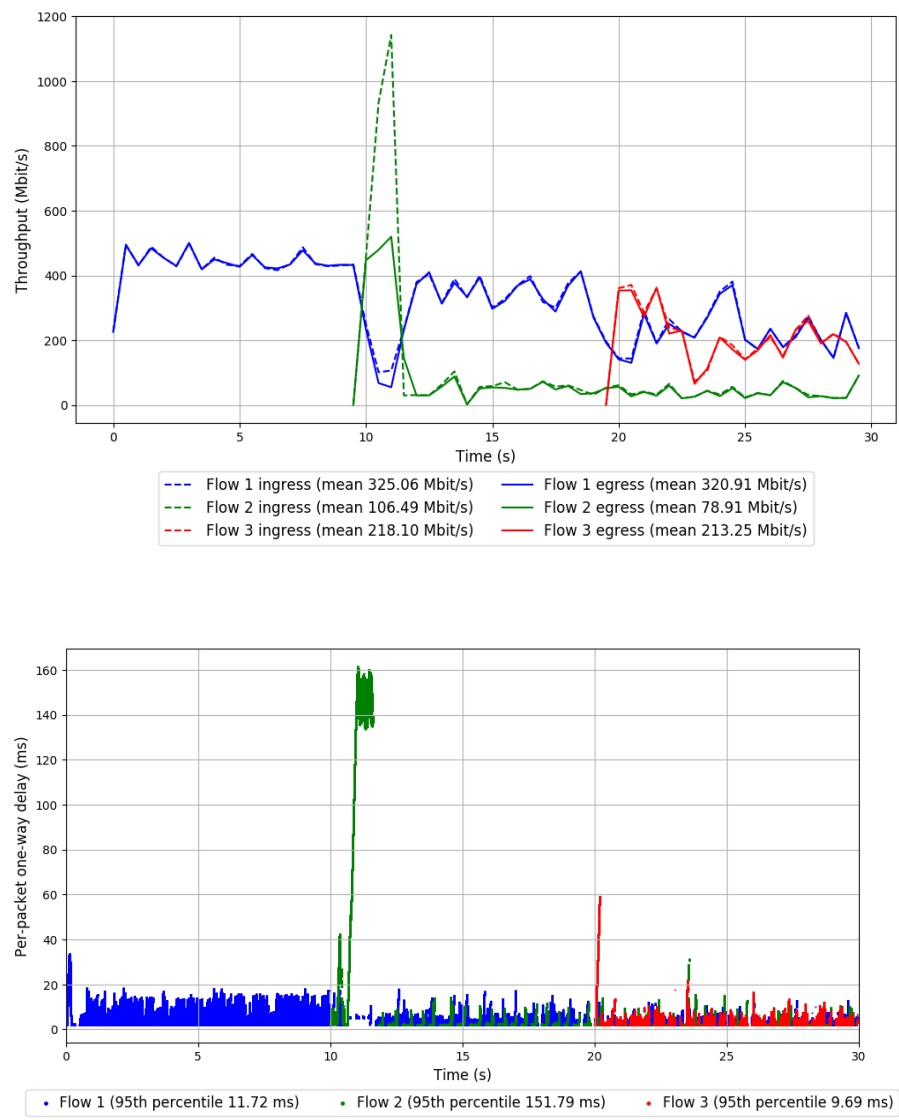


Run 8: Statistics of Verus

Start at: 2017-11-30 23:32:50  
End at: 2017-11-30 23:33:20  
Local clock offset: -0.197 ms  
Remote clock offset: -0.408 ms

# Below is generated by plot.py at 2017-12-01 03:39:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 443.91 Mbit/s  
95th percentile per-packet one-way delay: 18.471 ms  
Loss rate: 5.12%  
-- Flow 1:  
Average throughput: 320.91 Mbit/s  
95th percentile per-packet one-way delay: 11.723 ms  
Loss rate: 1.27%  
-- Flow 2:  
Average throughput: 78.91 Mbit/s  
95th percentile per-packet one-way delay: 151.786 ms  
Loss rate: 25.90%  
-- Flow 3:  
Average throughput: 213.25 Mbit/s  
95th percentile per-packet one-way delay: 9.685 ms  
Loss rate: 2.19%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-11-30 23:52:15

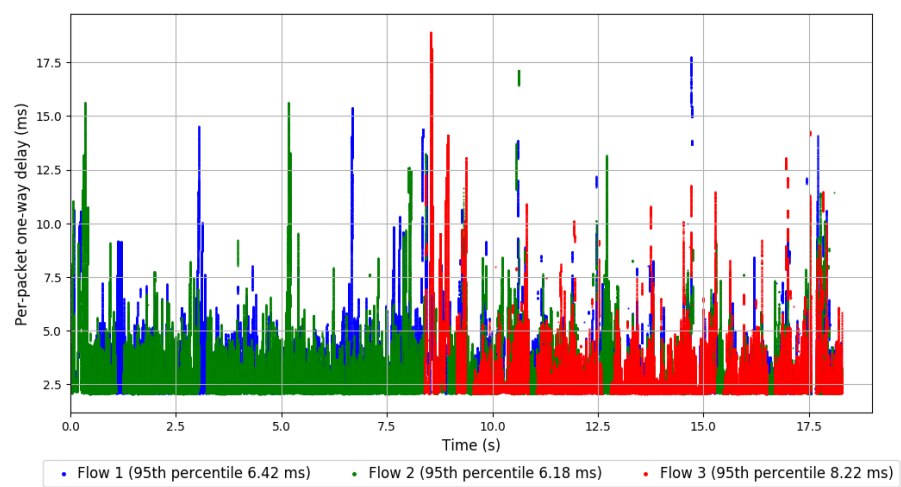
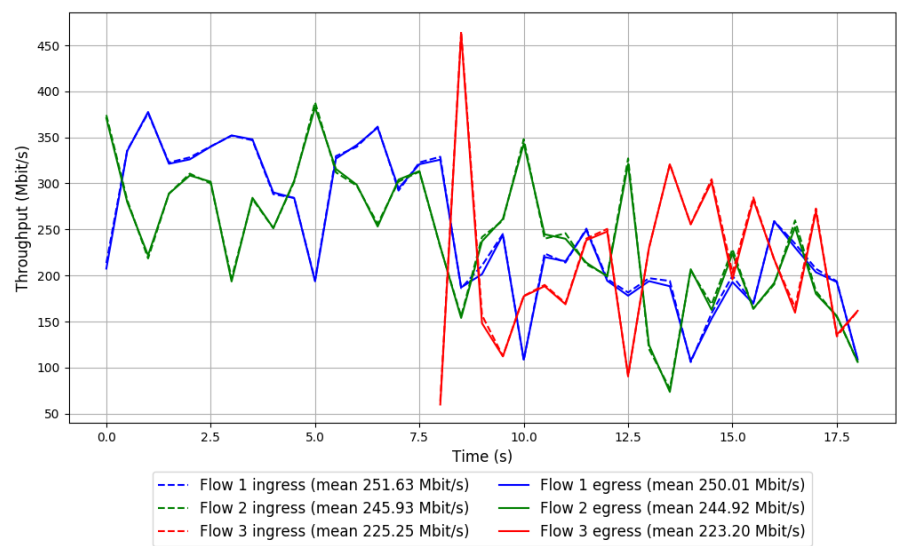
End at: 2017-11-30 23:52:45

Local clock offset: -0.122 ms

Remote clock offset: -0.342 ms



Run 9: Report of Verus — Data Link

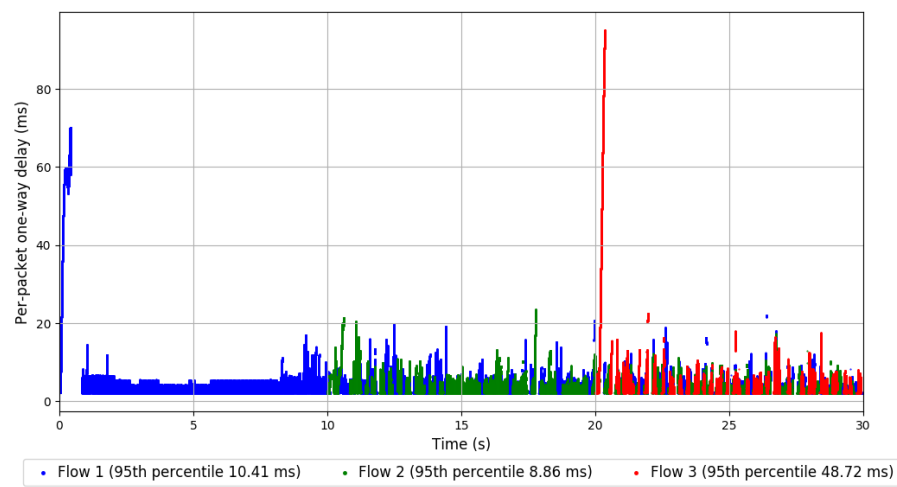
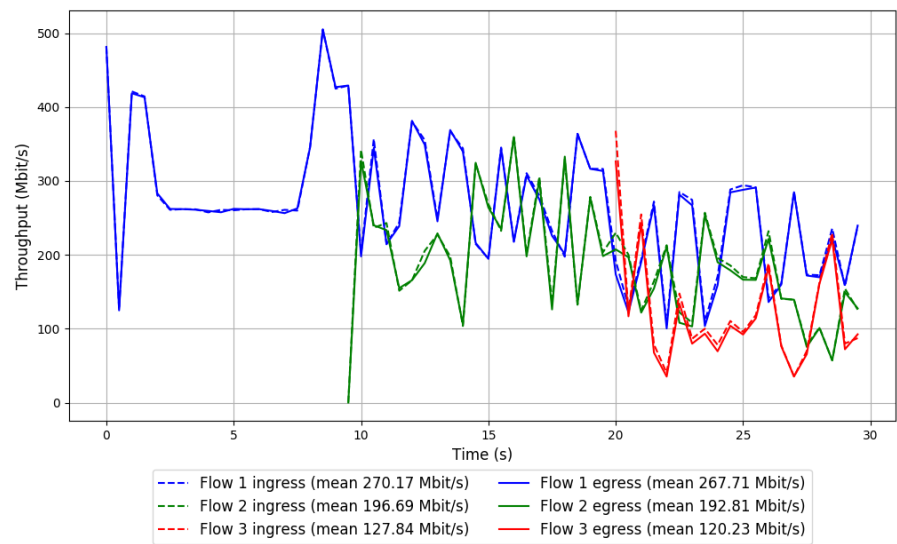


Run 10: Statistics of Verus

Start at: 2017-12-01 00:11:36  
End at: 2017-12-01 00:12:06  
Local clock offset: -0.147 ms  
Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2017-12-01 03:39:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 435.43 Mbit/s  
95th percentile per-packet one-way delay: 10.744 ms  
Loss rate: 1.70%  
-- Flow 1:  
Average throughput: 267.71 Mbit/s  
95th percentile per-packet one-way delay: 10.409 ms  
Loss rate: 0.91%  
-- Flow 2:  
Average throughput: 192.81 Mbit/s  
95th percentile per-packet one-way delay: 8.864 ms  
Loss rate: 1.97%  
-- Flow 3:  
Average throughput: 120.23 Mbit/s  
95th percentile per-packet one-way delay: 48.717 ms  
Loss rate: 5.94%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-11-30 21:06:50

End at: 2017-11-30 21:07:20

Local clock offset: 0.382 ms

Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2017-12-01 03:39:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 211.39 Mbit/s

95th percentile per-packet one-way delay: 8.038 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.74 Mbit/s

95th percentile per-packet one-way delay: 9.175 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 107.26 Mbit/s

95th percentile per-packet one-way delay: 3.595 ms

Loss rate: 0.00%

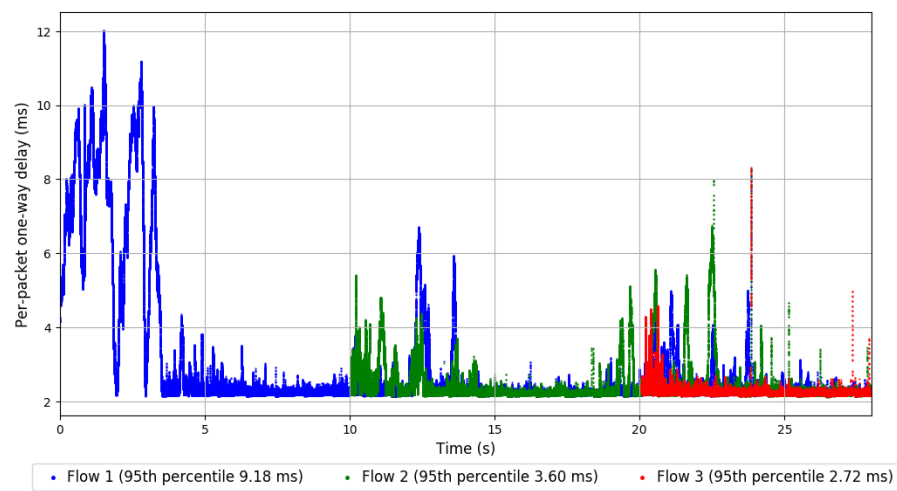
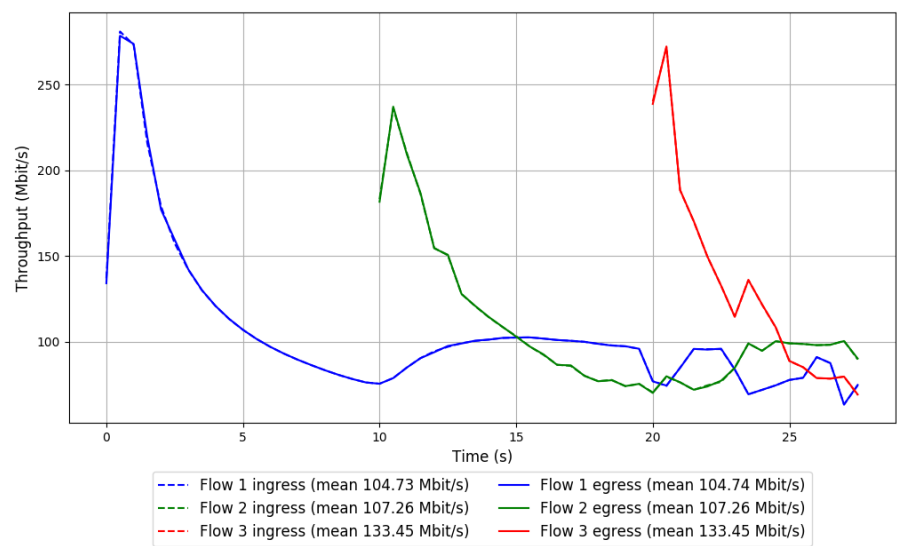
-- Flow 3:

Average throughput: 133.45 Mbit/s

95th percentile per-packet one-way delay: 2.719 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-11-30 21:26:21

End at: 2017-11-30 21:26:51

Local clock offset: 0.3 ms

Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2017-12-01 03:39:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 180.23 Mbit/s

95th percentile per-packet one-way delay: 4.051 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 105.62 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 116.21 Mbit/s

95th percentile per-packet one-way delay: 5.135 ms

Loss rate: 0.00%

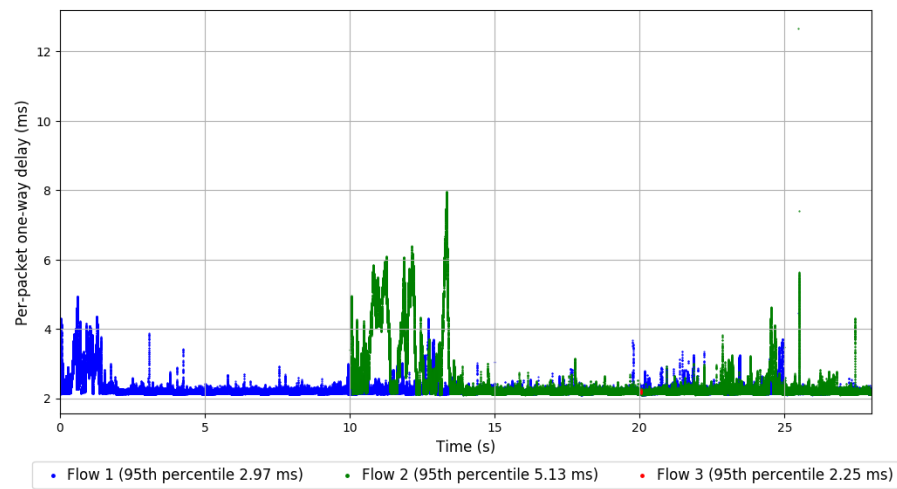
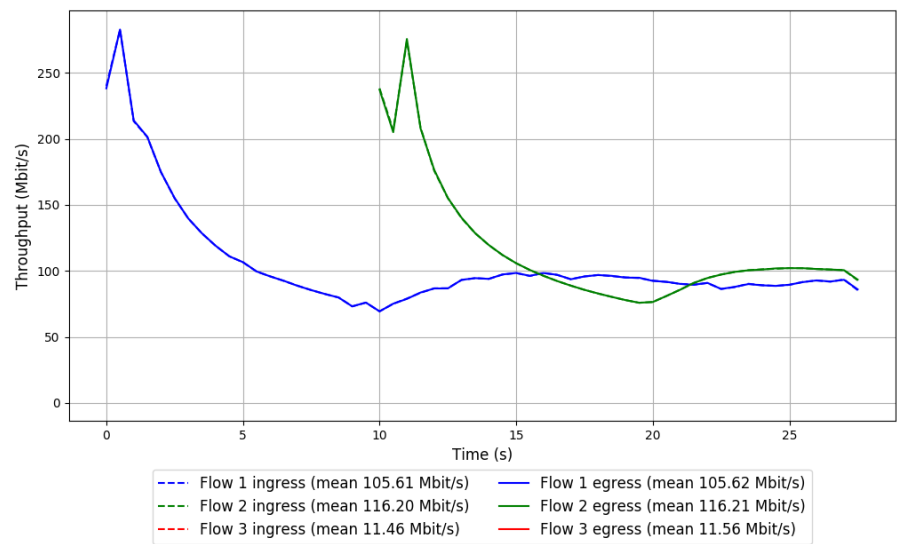
-- Flow 3:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 2.246 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-11-30 21:45:31

End at: 2017-11-30 21:46:01

Local clock offset: 0.111 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2017-12-01 03:40:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 214.00 Mbit/s

95th percentile per-packet one-way delay: 6.182 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.51 Mbit/s

95th percentile per-packet one-way delay: 6.117 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 111.08 Mbit/s

95th percentile per-packet one-way delay: 5.956 ms

Loss rate: 0.00%

-- Flow 3:

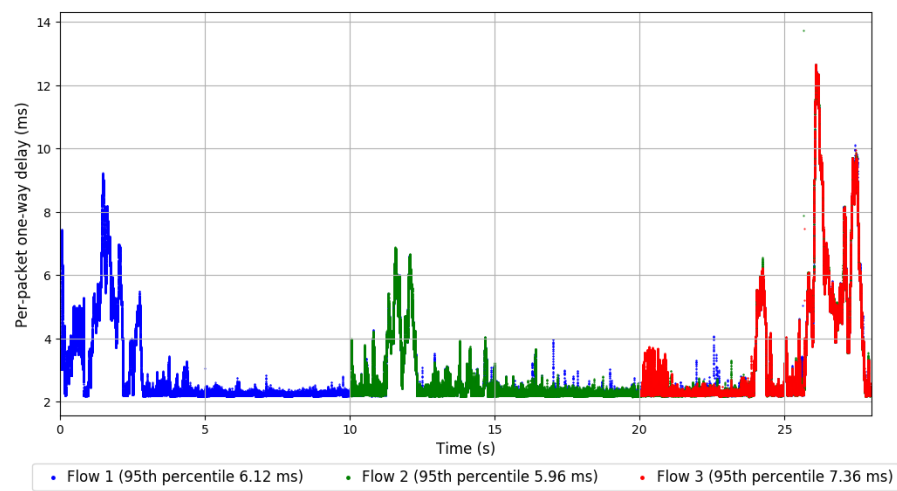
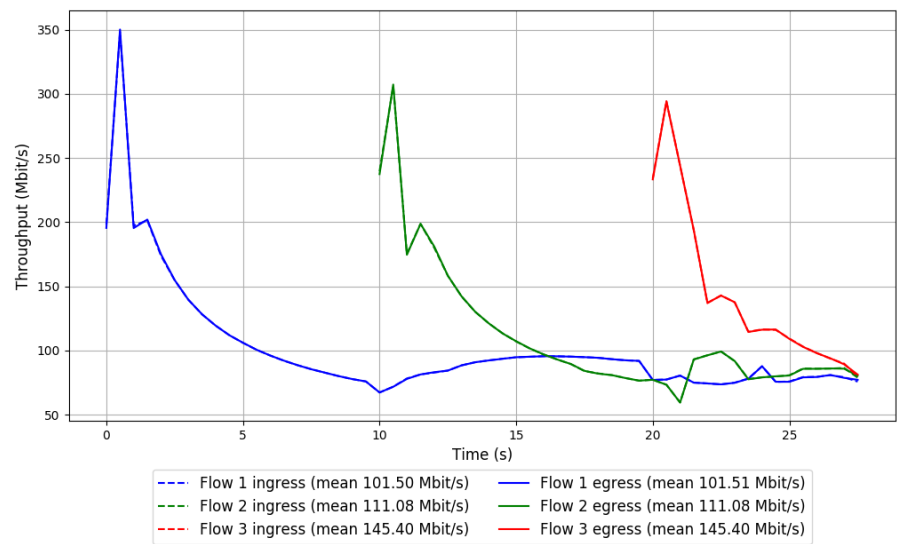
Average throughput: 145.40 Mbit/s

95th percentile per-packet one-way delay: 7.360 ms

Loss rate: 0.00%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-11-30 22:04:49

End at: 2017-11-30 22:05:19

Local clock offset: 0.163 ms

Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2017-12-01 03:42:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 208.47 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.78 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 116.44 Mbit/s

95th percentile per-packet one-way delay: 2.247 ms

Loss rate: 0.00%

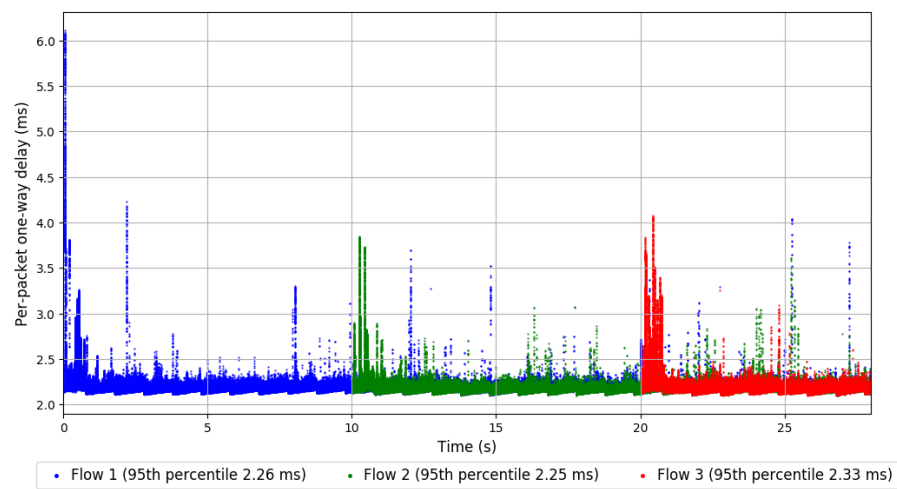
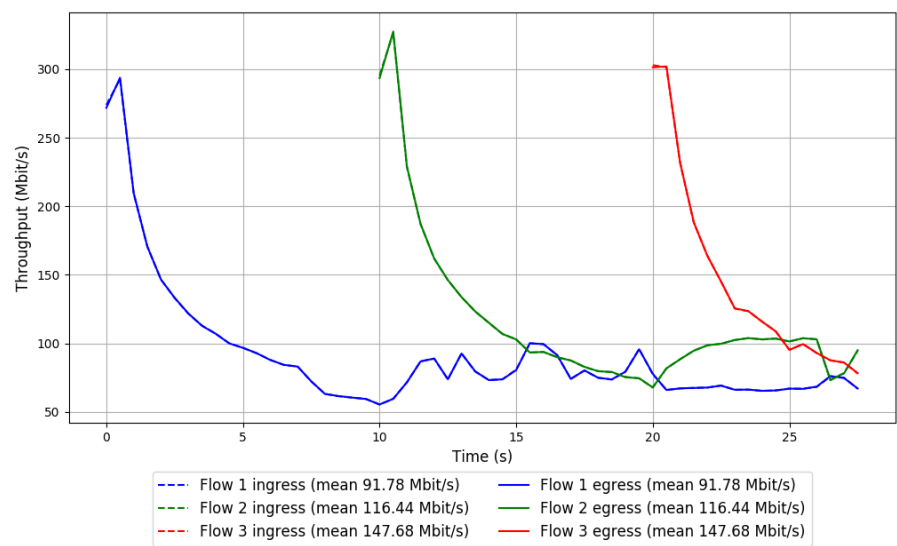
-- Flow 3:

Average throughput: 147.68 Mbit/s

95th percentile per-packet one-way delay: 2.329 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

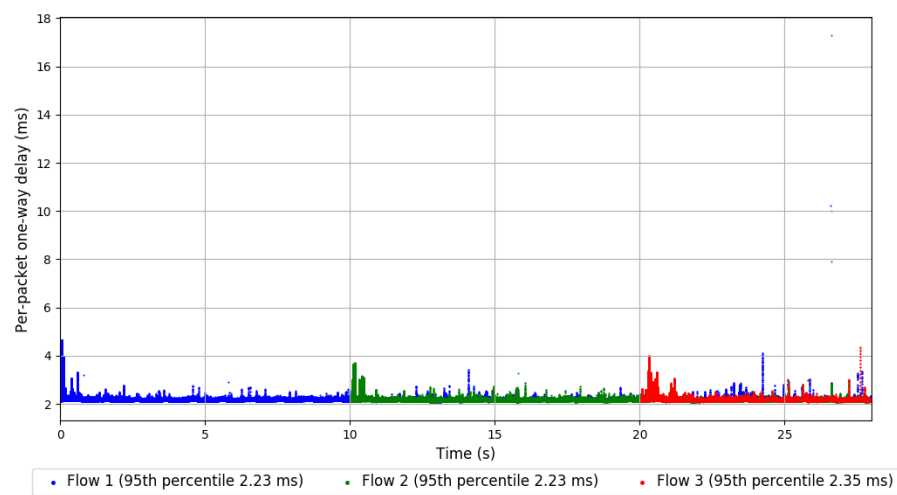
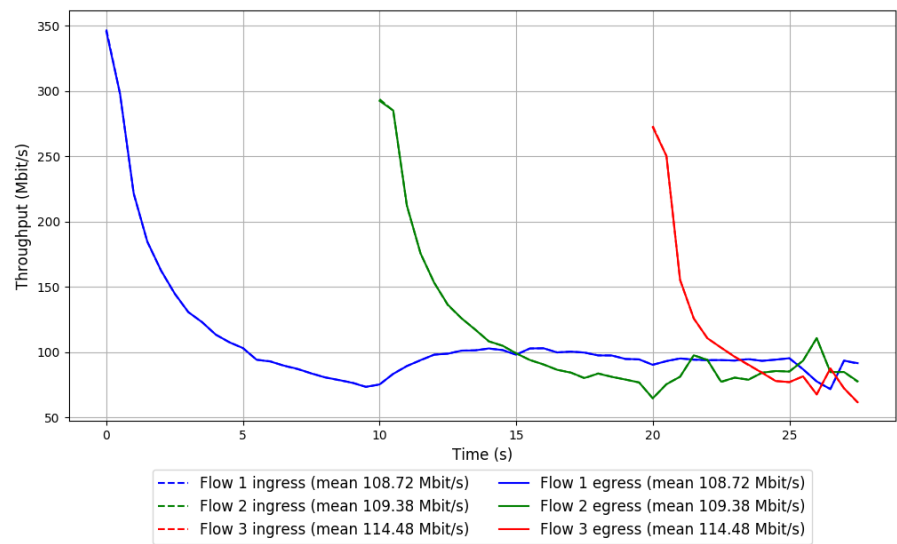


Run 5: Statistics of Copa

Start at: 2017-11-30 22:24:33  
End at: 2017-11-30 22:25:03  
Local clock offset: 0.07 ms  
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2017-12-01 03:43:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 211.33 Mbit/s  
95th percentile per-packet one-way delay: 2.235 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 108.72 Mbit/s  
95th percentile per-packet one-way delay: 2.228 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 109.38 Mbit/s  
95th percentile per-packet one-way delay: 2.225 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 114.48 Mbit/s  
95th percentile per-packet one-way delay: 2.345 ms  
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

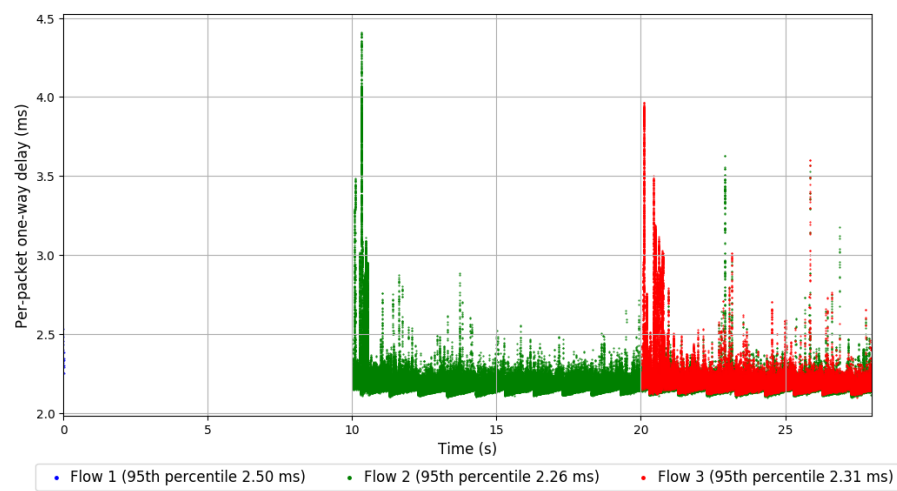
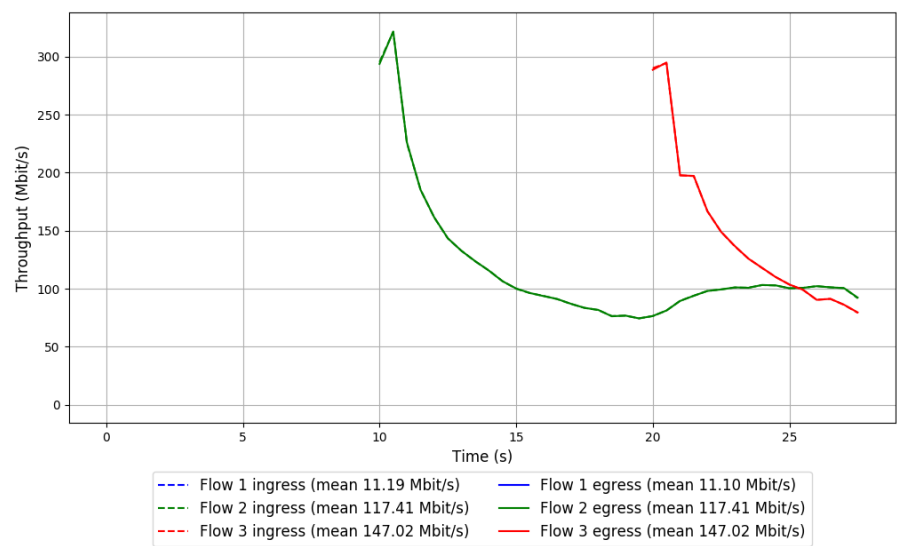


Run 6: Statistics of Copa

Start at: 2017-11-30 22:44:02  
End at: 2017-11-30 22:44:32  
Local clock offset: -0.035 ms  
Remote clock offset: -0.326 ms

# Below is generated by plot.py at 2017-12-01 03:43:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 117.14 Mbit/s  
95th percentile per-packet one-way delay: 2.278 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.10 Mbit/s  
95th percentile per-packet one-way delay: 2.501 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 117.41 Mbit/s  
95th percentile per-packet one-way delay: 2.261 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 147.02 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



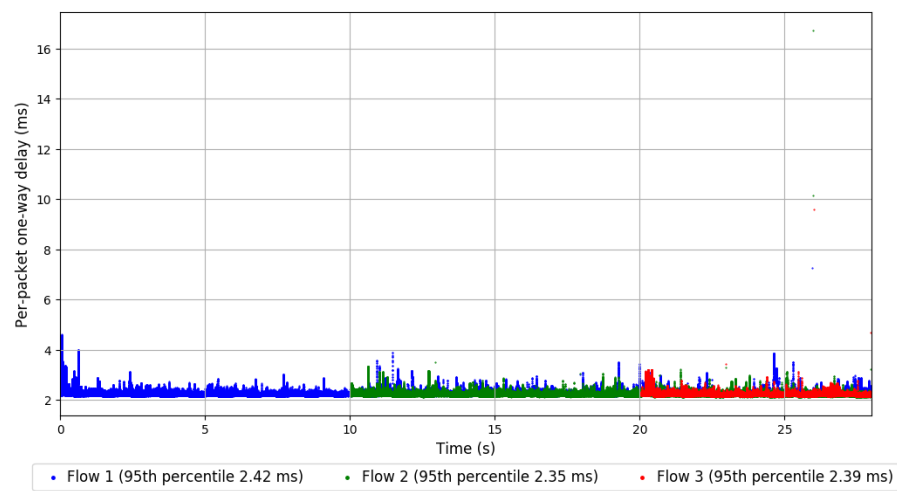
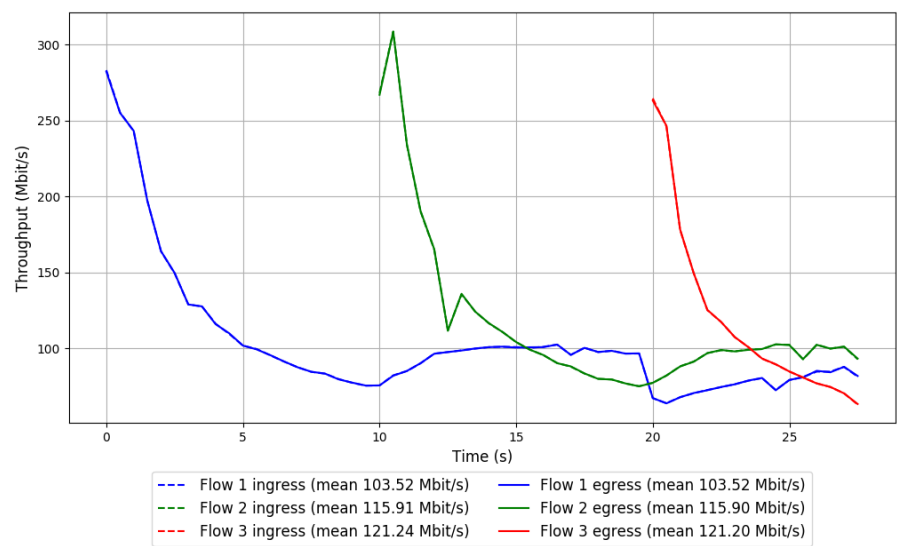
Run 7: Statistics of Copa

Start at: 2017-11-30 23:03:06  
End at: 2017-11-30 23:03:36  
Local clock offset: -0.097 ms  
Remote clock offset: -0.348 ms

# Below is generated by plot.py at 2017-12-01 03:43:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 212.25 Mbit/s  
95th percentile per-packet one-way delay: 2.383 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 103.52 Mbit/s  
95th percentile per-packet one-way delay: 2.416 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 115.90 Mbit/s  
95th percentile per-packet one-way delay: 2.346 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 121.20 Mbit/s  
95th percentile per-packet one-way delay: 2.391 ms  
Loss rate: 0.00%



Run 7: Report of Copa — Data Link

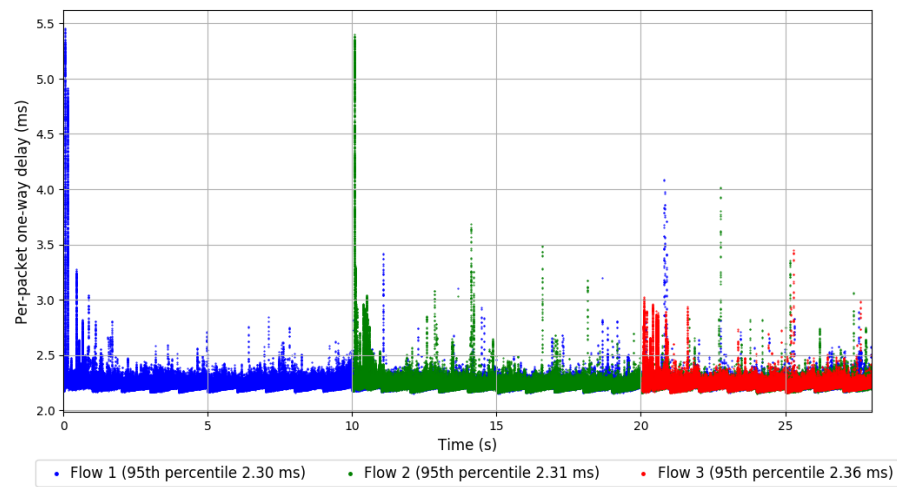
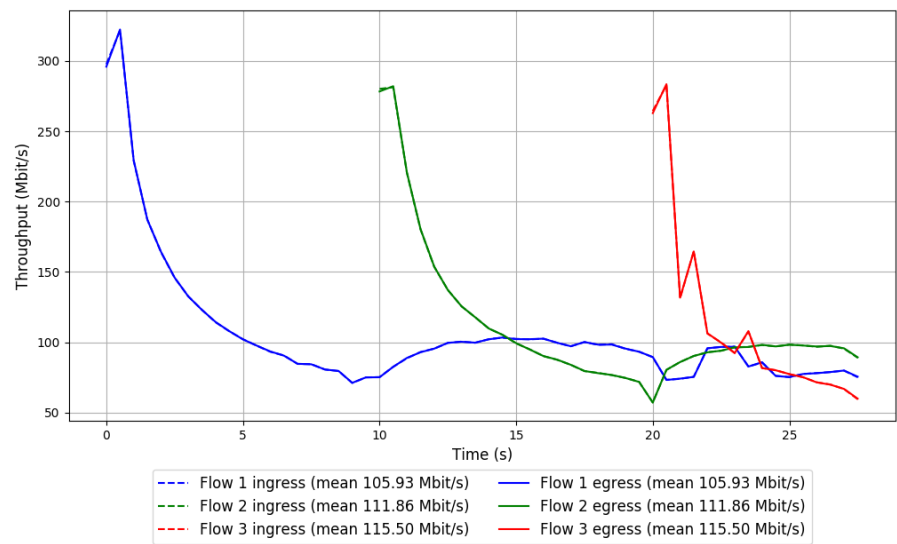


Run 8: Statistics of Copa

Start at: 2017-11-30 23:22:38  
End at: 2017-11-30 23:23:08  
Local clock offset: -0.164 ms  
Remote clock offset: -0.362 ms

# Below is generated by plot.py at 2017-12-01 03:44:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 210.43 Mbit/s  
95th percentile per-packet one-way delay: 2.313 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 105.93 Mbit/s  
95th percentile per-packet one-way delay: 2.304 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 111.86 Mbit/s  
95th percentile per-packet one-way delay: 2.315 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 115.50 Mbit/s  
95th percentile per-packet one-way delay: 2.358 ms  
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

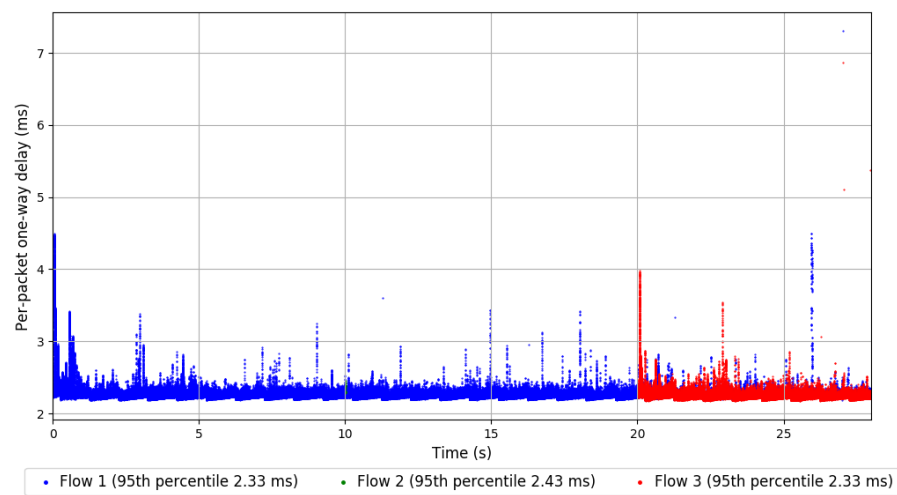
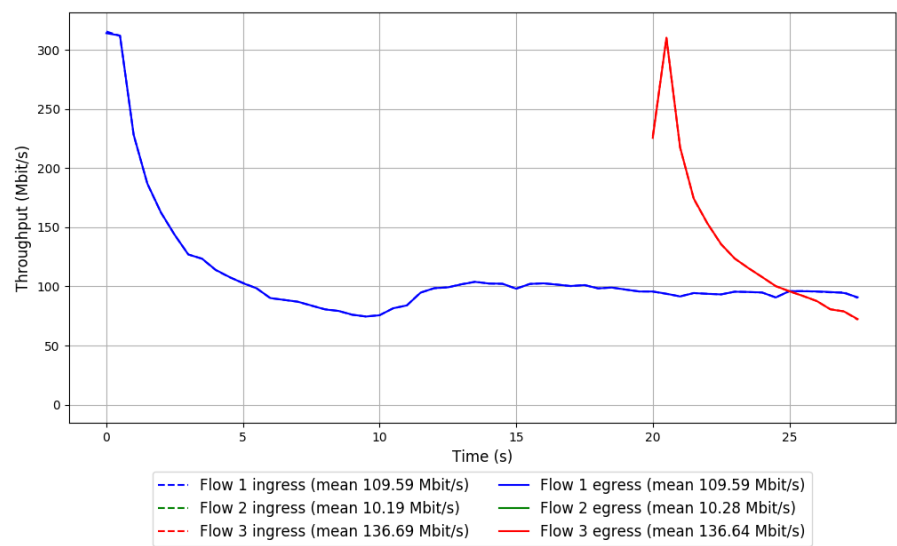


Run 9: Statistics of Copa

Start at: 2017-11-30 23:42:13  
End at: 2017-11-30 23:42:43  
Local clock offset: -0.188 ms  
Remote clock offset: -0.288 ms

# Below is generated by plot.py at 2017-12-01 03:44:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 148.40 Mbit/s  
95th percentile per-packet one-way delay: 2.332 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 109.59 Mbit/s  
95th percentile per-packet one-way delay: 2.335 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 10.28 Mbit/s  
95th percentile per-packet one-way delay: 2.433 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 136.64 Mbit/s  
95th percentile per-packet one-way delay: 2.327 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

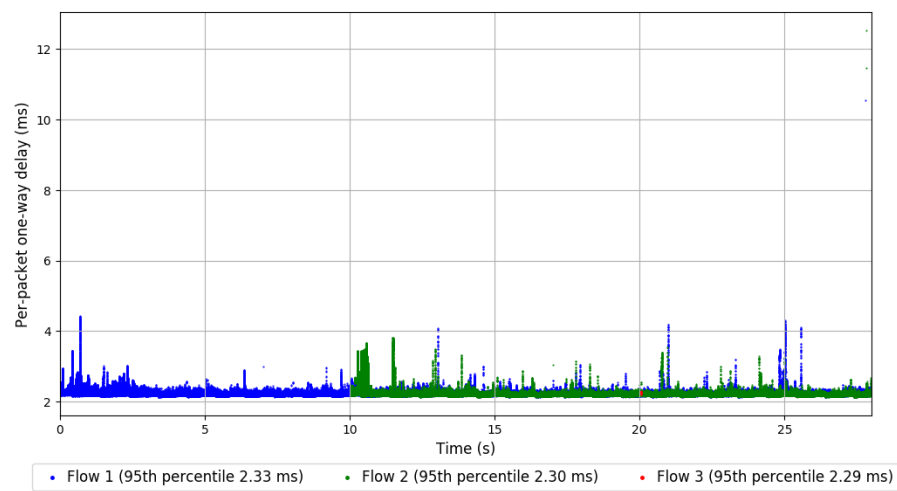
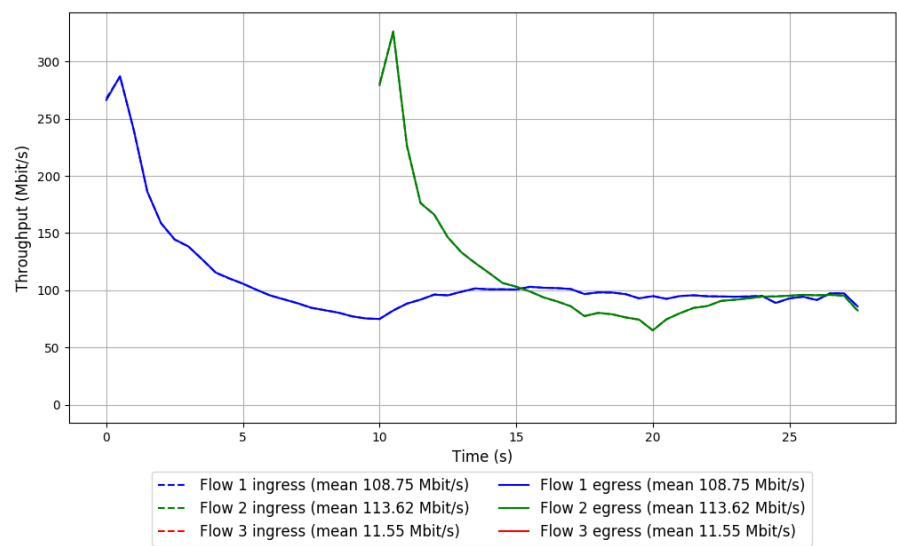


Run 10: Statistics of Copa

Start at: 2017-12-01 00:01:34  
End at: 2017-12-01 00:02:04  
Local clock offset: -0.138 ms  
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2017-12-01 03:44:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 181.63 Mbit/s  
95th percentile per-packet one-way delay: 2.318 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 108.75 Mbit/s  
95th percentile per-packet one-way delay: 2.326 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 113.62 Mbit/s  
95th percentile per-packet one-way delay: 2.303 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.55 Mbit/s  
95th percentile per-packet one-way delay: 2.288 ms  
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



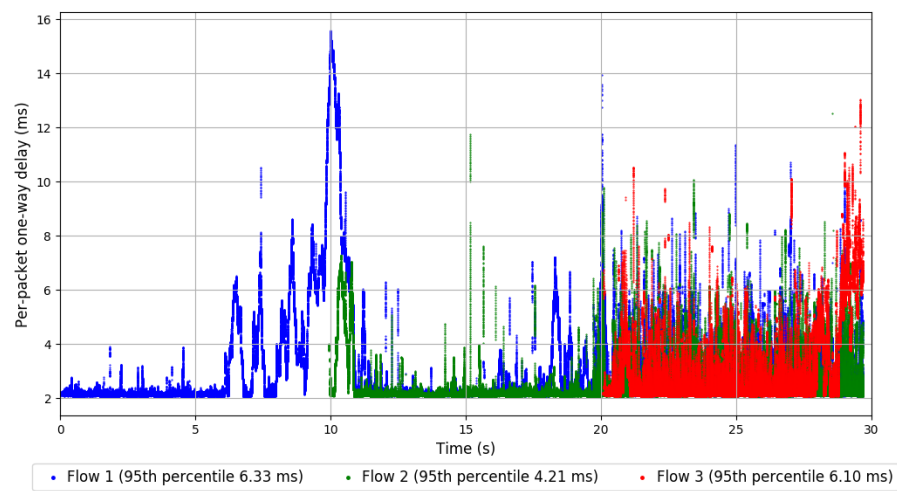
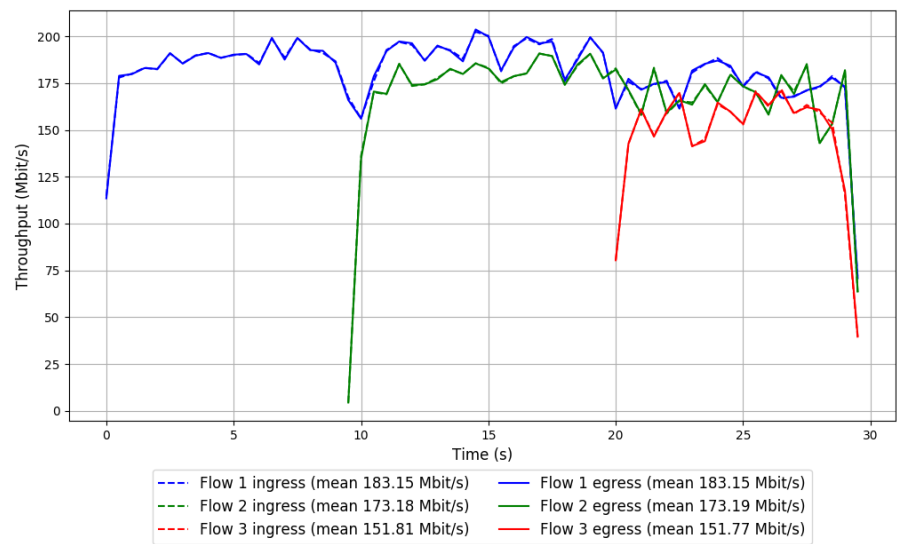
```
Run 1: Statistics of Indigo

Start at: 2017-11-30 21:02:45
End at: 2017-11-30 21:03:15
Local clock offset: 0.442 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2017-12-01 03:45:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.47 Mbit/s
95th percentile per-packet one-way delay: 5.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.15 Mbit/s
95th percentile per-packet one-way delay: 6.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.19 Mbit/s
95th percentile per-packet one-way delay: 4.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.77 Mbit/s
95th percentile per-packet one-way delay: 6.102 ms
Loss rate: 0.03%
```



Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-11-30 21:22:13

End at: 2017-11-30 21:22:43

Local clock offset: 0.299 ms

Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2017-12-01 03:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 350.82 Mbit/s

95th percentile per-packet one-way delay: 3.305 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 185.68 Mbit/s

95th percentile per-packet one-way delay: 3.022 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.73 Mbit/s

95th percentile per-packet one-way delay: 3.338 ms

Loss rate: 0.00%

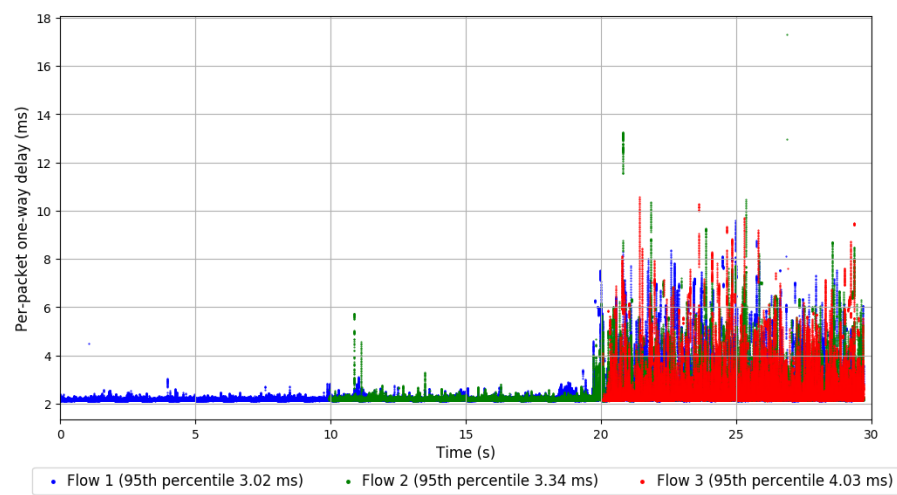
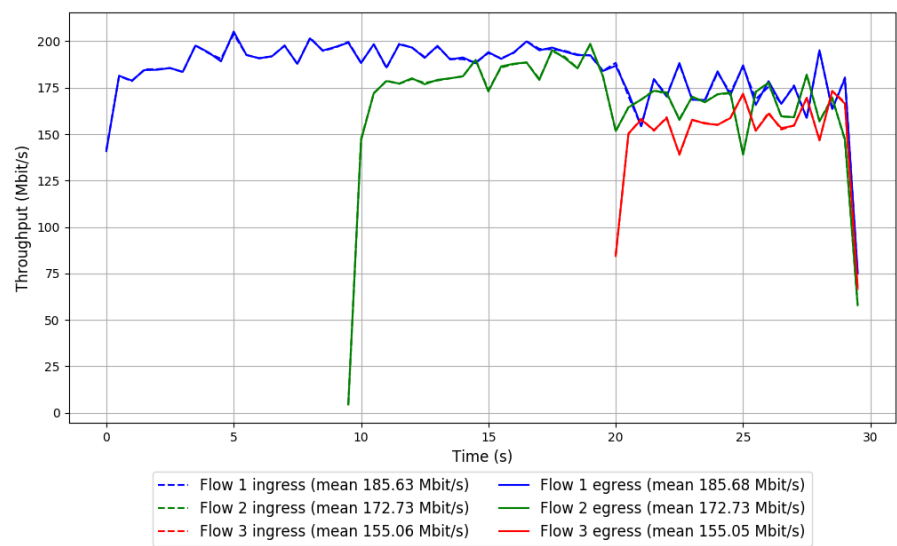
-- Flow 3:

Average throughput: 155.05 Mbit/s

95th percentile per-packet one-way delay: 4.029 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

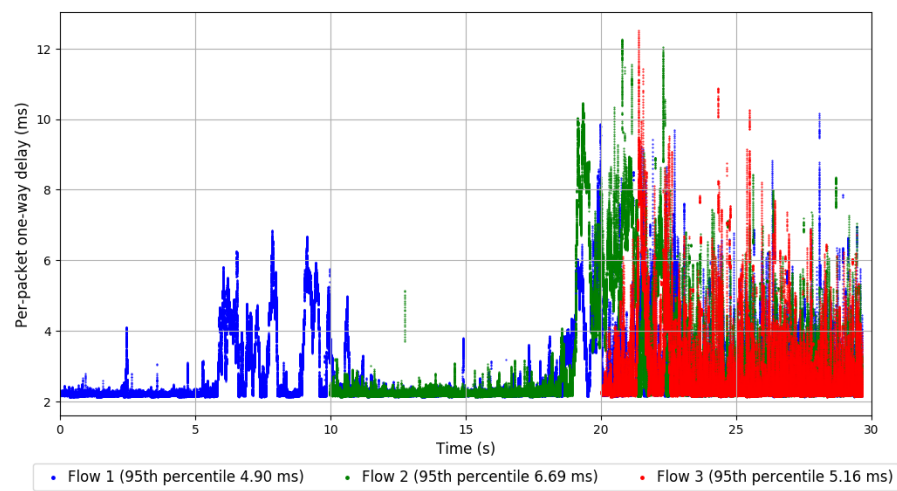
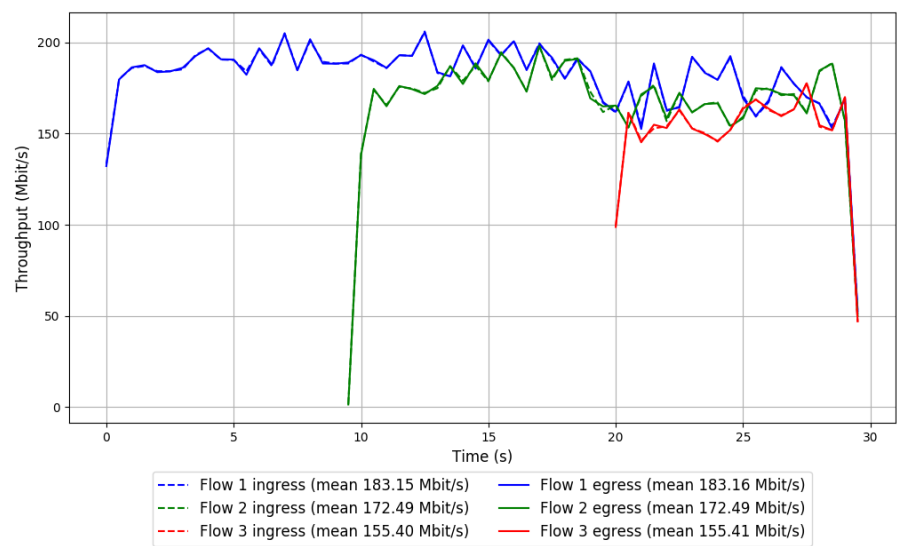


Run 3: Statistics of Indigo

Start at: 2017-11-30 21:41:26  
End at: 2017-11-30 21:41:56  
Local clock offset: 0.168 ms  
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2017-12-01 03:47:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 348.20 Mbit/s  
95th percentile per-packet one-way delay: 5.422 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 183.16 Mbit/s  
95th percentile per-packet one-way delay: 4.900 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 172.49 Mbit/s  
95th percentile per-packet one-way delay: 6.693 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 155.41 Mbit/s  
95th percentile per-packet one-way delay: 5.161 ms  
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

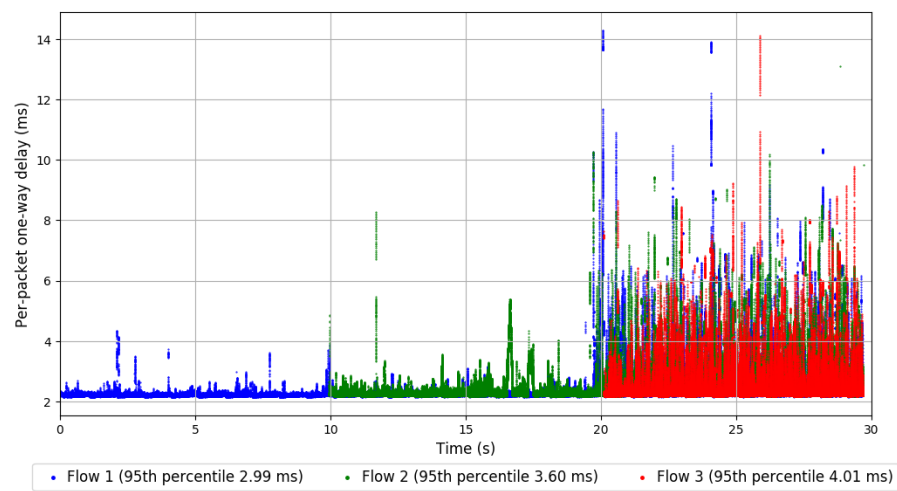
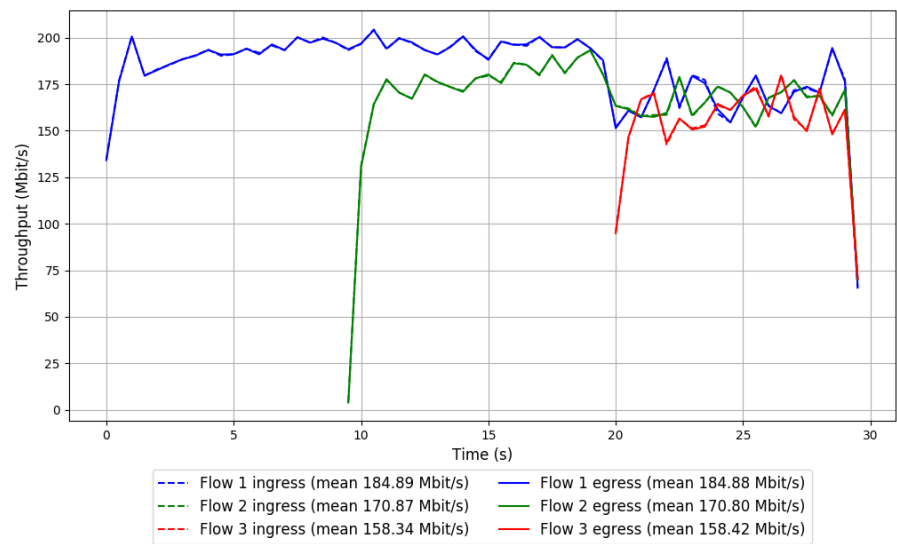


Run 4: Statistics of Indigo

Start at: 2017-11-30 22:00:42  
End at: 2017-11-30 22:01:13  
Local clock offset: 0.154 ms  
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2017-12-01 03:48:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 349.74 Mbit/s  
95th percentile per-packet one-way delay: 3.422 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 184.88 Mbit/s  
95th percentile per-packet one-way delay: 2.986 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 170.80 Mbit/s  
95th percentile per-packet one-way delay: 3.601 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 158.42 Mbit/s  
95th percentile per-packet one-way delay: 4.015 ms  
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



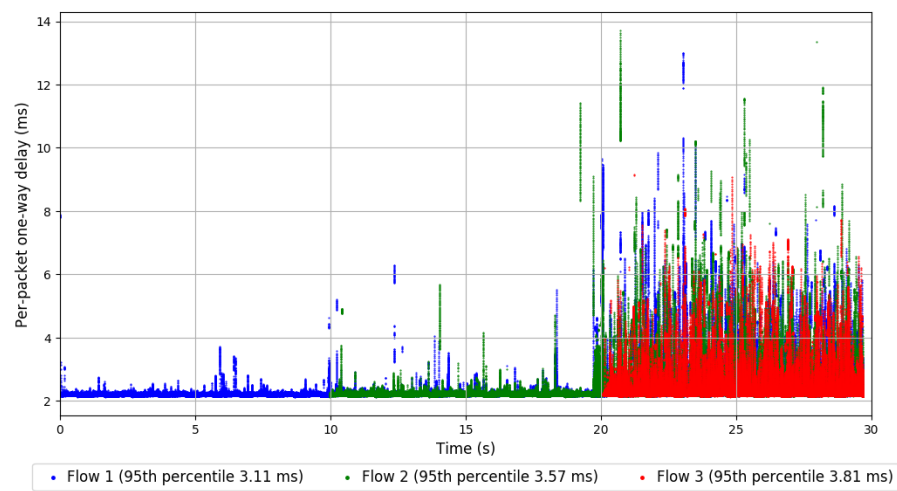
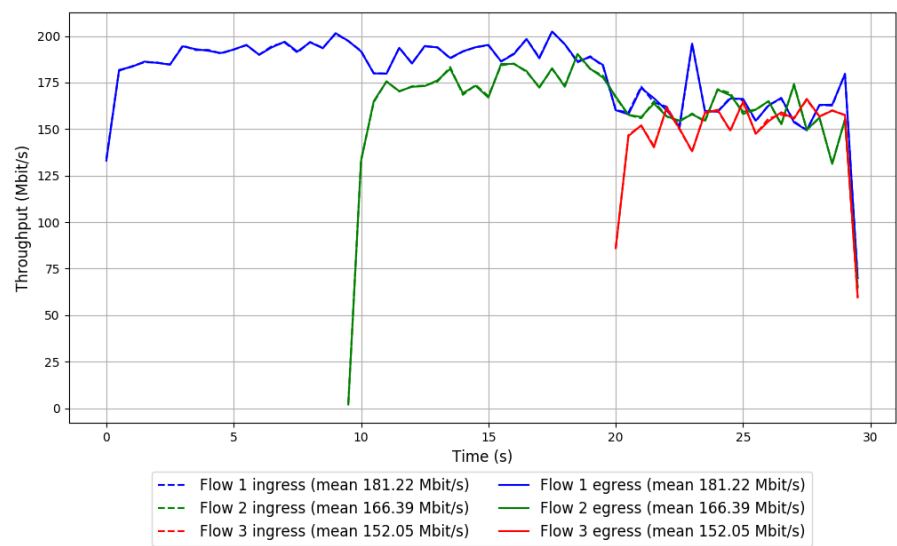
Run 5: Statistics of Indigo

Start at: 2017-11-30 22:20:26  
End at: 2017-11-30 22:20:56  
Local clock offset: 0.08 ms  
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2017-12-01 03:48:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 341.00 Mbit/s  
95th percentile per-packet one-way delay: 3.396 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 181.22 Mbit/s  
95th percentile per-packet one-way delay: 3.107 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 166.39 Mbit/s  
95th percentile per-packet one-way delay: 3.574 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 152.05 Mbit/s  
95th percentile per-packet one-way delay: 3.813 ms  
Loss rate: 0.00%



Run 5: Report of Indigo — Data Link

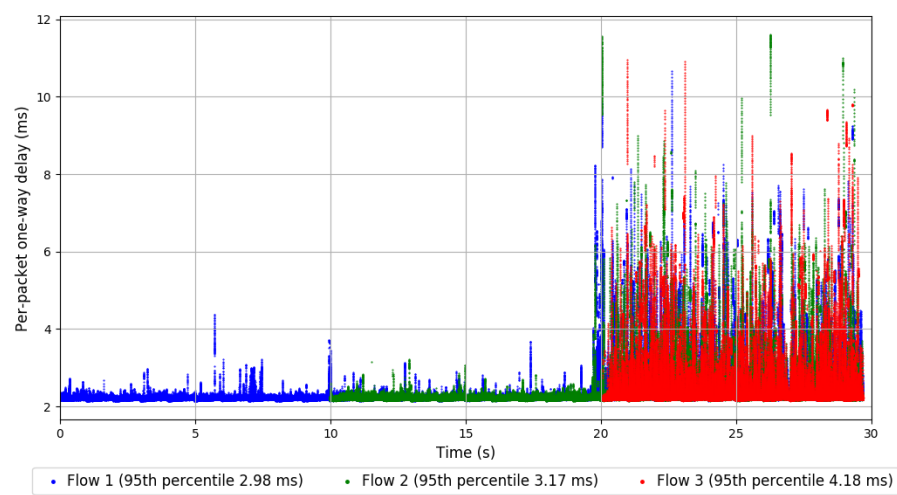
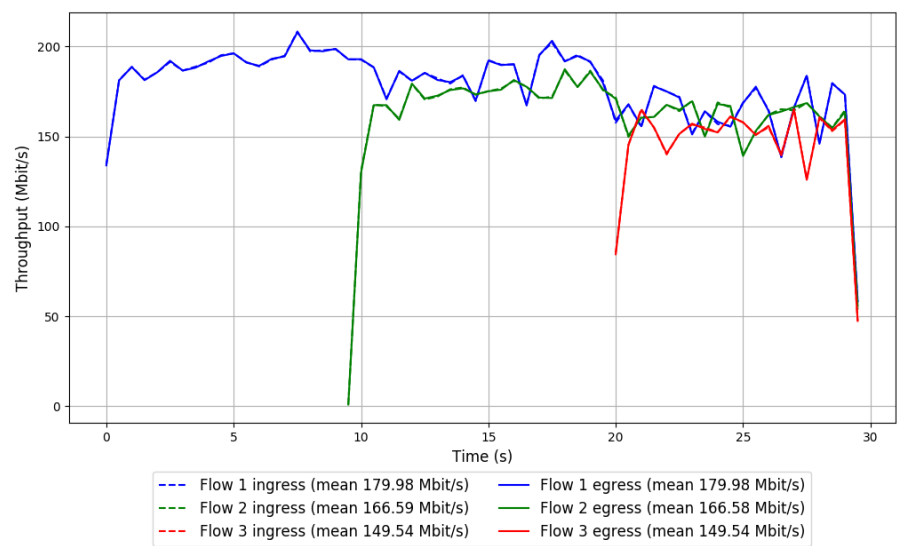


Run 6: Statistics of Indigo

Start at: 2017-11-30 22:39:55  
End at: 2017-11-30 22:40:25  
Local clock offset: -0.026 ms  
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2017-12-01 03:48:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 339.14 Mbit/s  
95th percentile per-packet one-way delay: 3.250 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 179.98 Mbit/s  
95th percentile per-packet one-way delay: 2.981 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 166.58 Mbit/s  
95th percentile per-packet one-way delay: 3.166 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 149.54 Mbit/s  
95th percentile per-packet one-way delay: 4.180 ms  
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

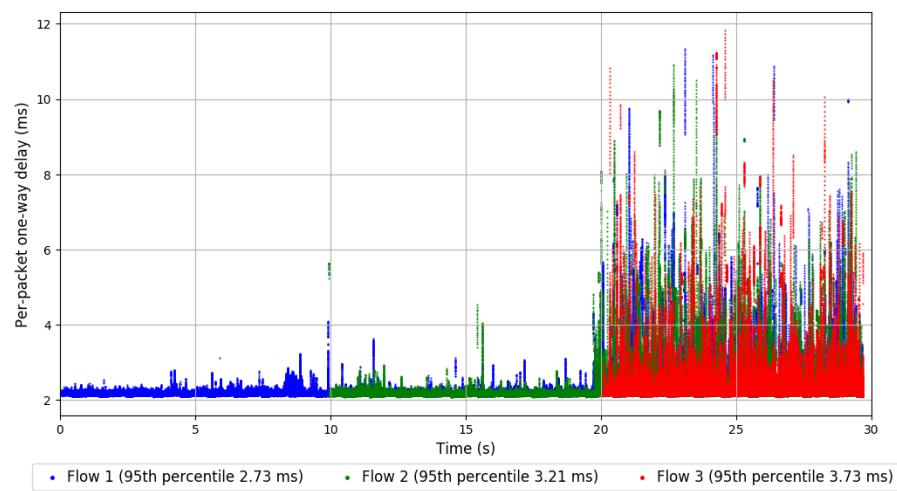
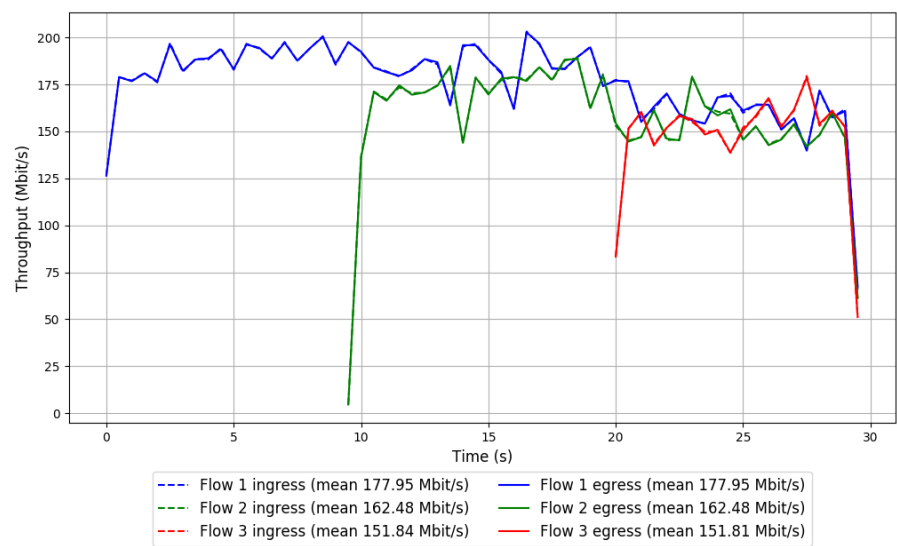


Run 7: Statistics of Indigo

Start at: 2017-11-30 22:59:00  
End at: 2017-11-30 22:59:30  
Local clock offset: -0.065 ms  
Remote clock offset: -0.383 ms

# Below is generated by plot.py at 2017-12-01 03:49:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 335.32 Mbit/s  
95th percentile per-packet one-way delay: 3.058 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 177.95 Mbit/s  
95th percentile per-packet one-way delay: 2.734 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 162.48 Mbit/s  
95th percentile per-packet one-way delay: 3.208 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 151.81 Mbit/s  
95th percentile per-packet one-way delay: 3.728 ms  
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

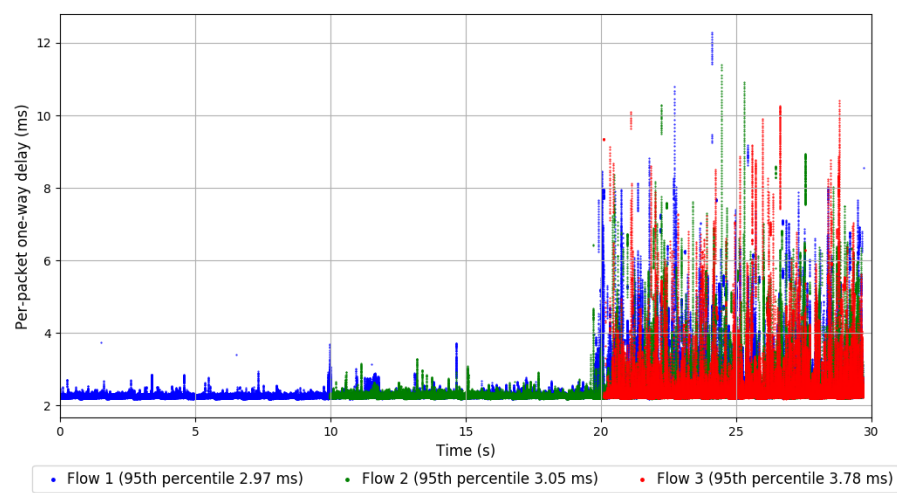
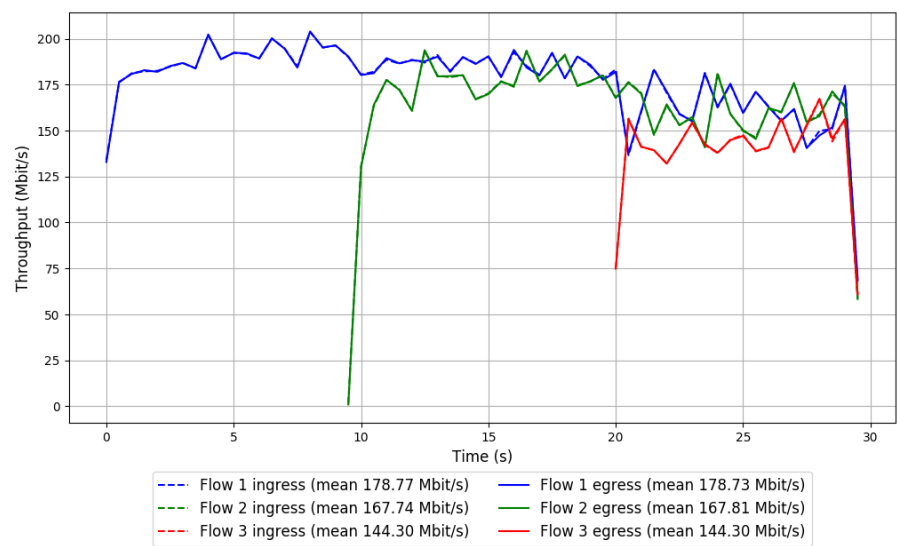


Run 8: Statistics of Indigo

Start at: 2017-11-30 23:18:31  
End at: 2017-11-30 23:19:01  
Local clock offset: -0.154 ms  
Remote clock offset: -0.351 ms

# Below is generated by plot.py at 2017-12-01 03:49:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 336.81 Mbit/s  
95th percentile per-packet one-way delay: 3.136 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 178.73 Mbit/s  
95th percentile per-packet one-way delay: 2.974 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 167.81 Mbit/s  
95th percentile per-packet one-way delay: 3.054 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 144.30 Mbit/s  
95th percentile per-packet one-way delay: 3.776 ms  
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



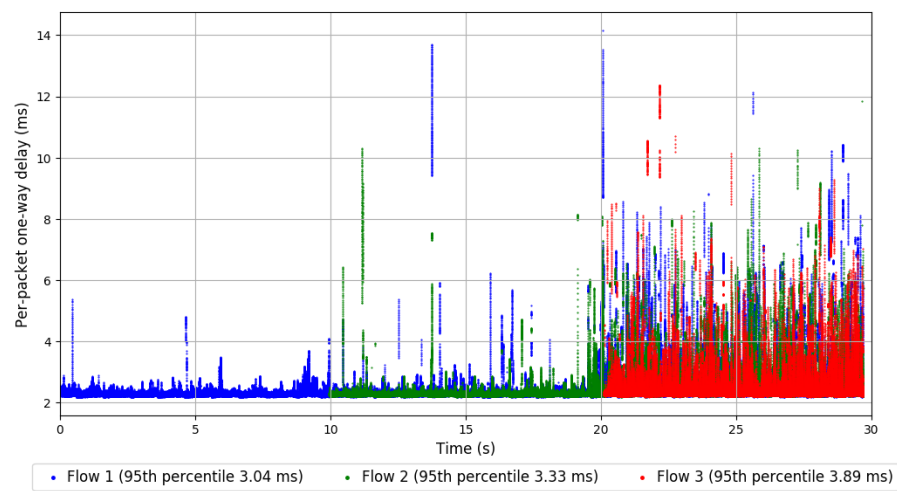
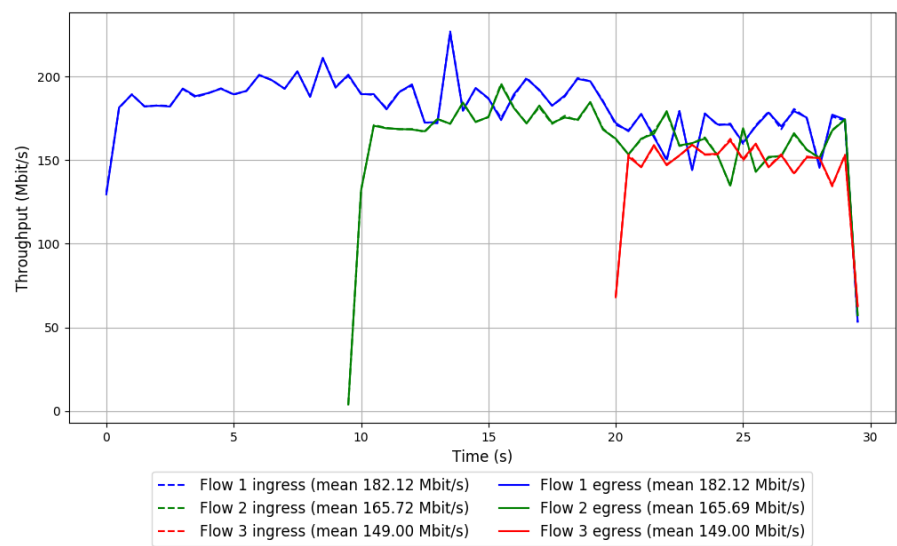
Run 9: Statistics of Indigo

Start at: 2017-11-30 23:38:05  
End at: 2017-11-30 23:38:35  
Local clock offset: -0.179 ms  
Remote clock offset: -0.315 ms

# Below is generated by plot.py at 2017-12-01 03:50:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 340.38 Mbit/s  
95th percentile per-packet one-way delay: 3.262 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 182.12 Mbit/s  
95th percentile per-packet one-way delay: 3.036 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 165.69 Mbit/s  
95th percentile per-packet one-way delay: 3.325 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 149.00 Mbit/s  
95th percentile per-packet one-way delay: 3.888 ms  
Loss rate: 0.00%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-11-30 23:57:27

End at: 2017-11-30 23:57:57

Local clock offset: -0.133 ms

Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2017-12-01 03:51:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 343.35 Mbit/s

95th percentile per-packet one-way delay: 3.151 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.12 Mbit/s

95th percentile per-packet one-way delay: 2.854 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 167.99 Mbit/s

95th percentile per-packet one-way delay: 3.450 ms

Loss rate: 0.00%

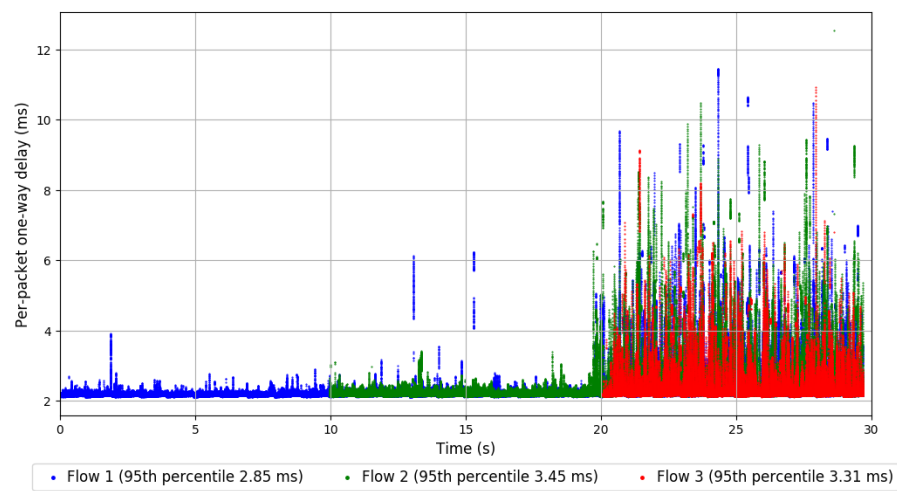
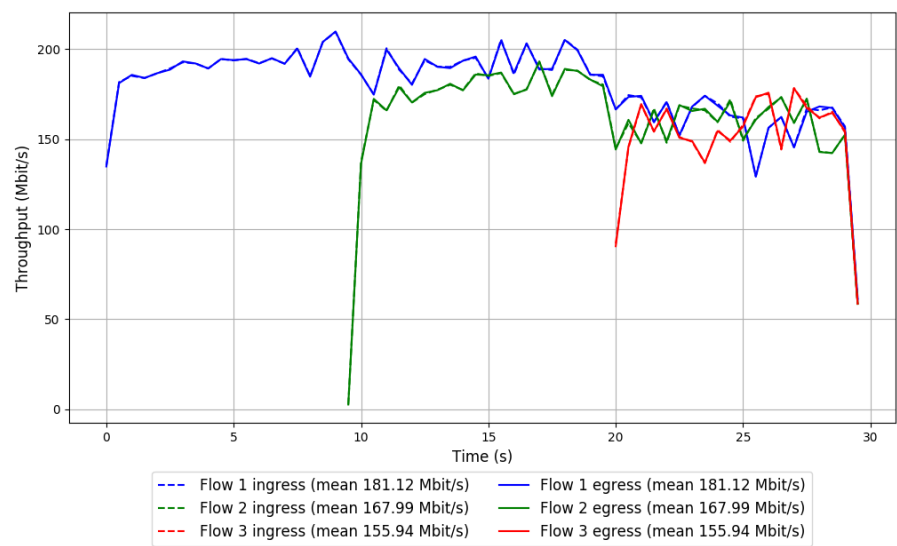
-- Flow 3:

Average throughput: 155.94 Mbit/s

95th percentile per-packet one-way delay: 3.310 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

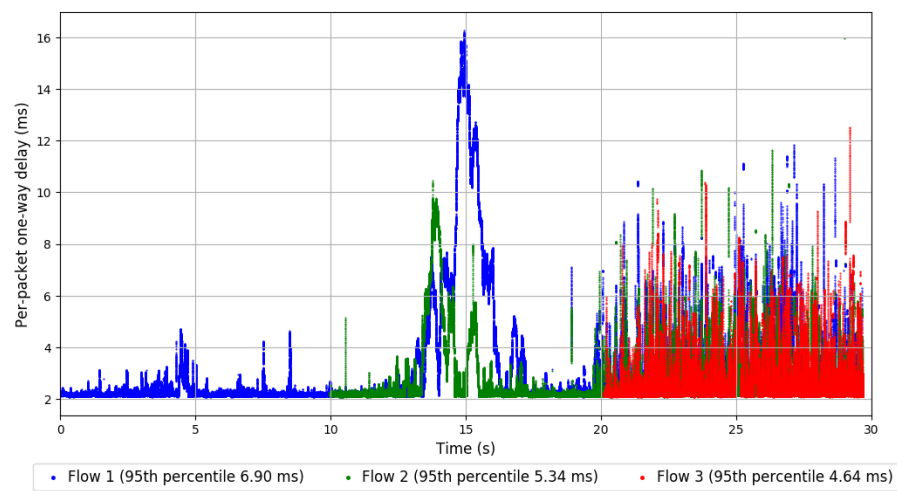
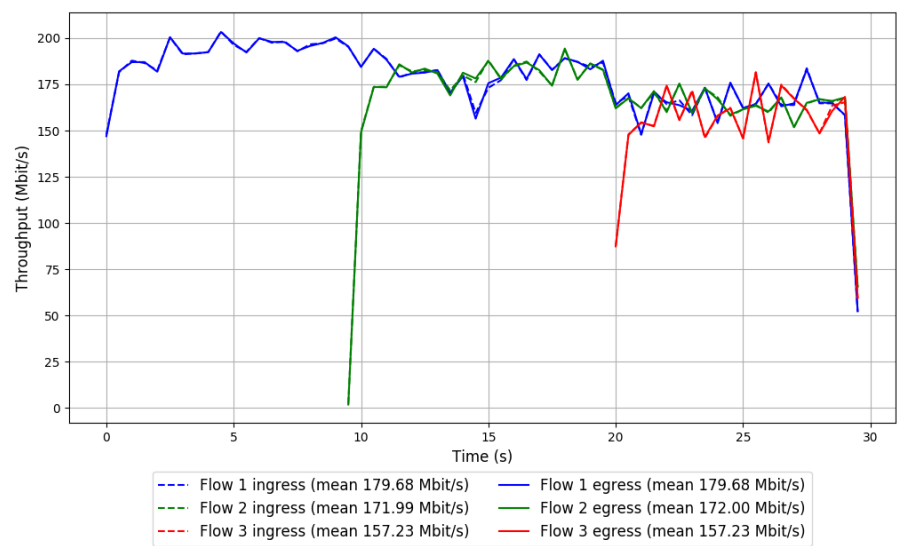


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 21:08:09
End at: 2017-11-30 21:08:39
Local clock offset: 0.367 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2017-12-01 03:52:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.82 Mbit/s
95th percentile per-packet one-way delay: 6.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.68 Mbit/s
95th percentile per-packet one-way delay: 6.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.00 Mbit/s
95th percentile per-packet one-way delay: 5.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.23 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

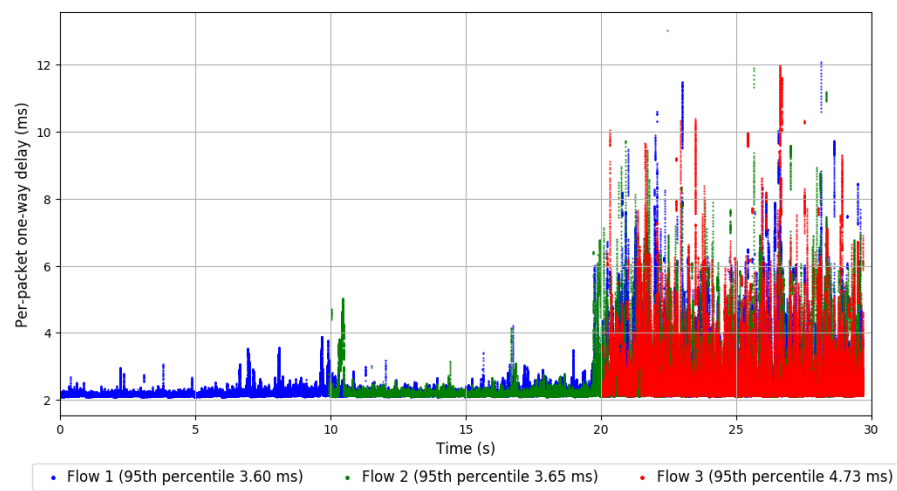
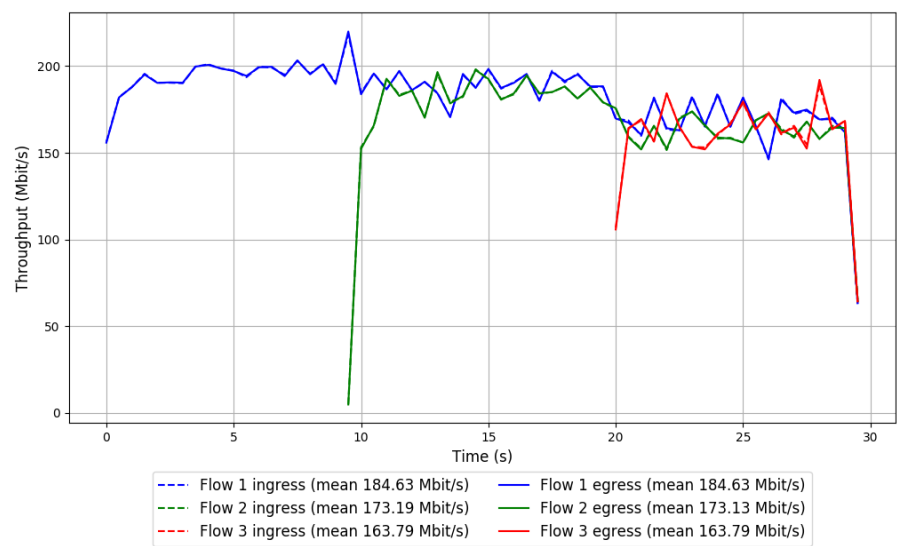


```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 21:27:37
End at: 2017-11-30 21:28:07
Local clock offset: 0.268 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2017-12-01 03:53:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.01 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 184.63 Mbit/s
95th percentile per-packet one-way delay: 3.600 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.13 Mbit/s
95th percentile per-packet one-way delay: 3.647 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 163.79 Mbit/s
95th percentile per-packet one-way delay: 4.730 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-calib — Data Link



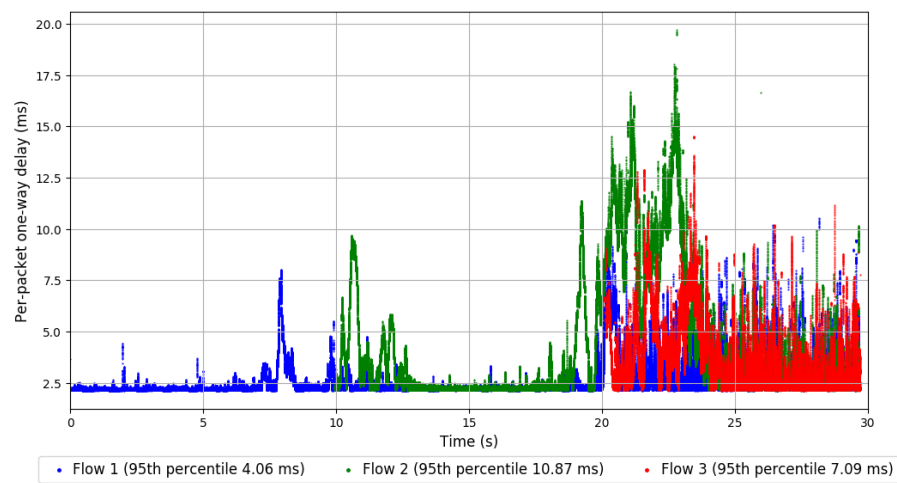
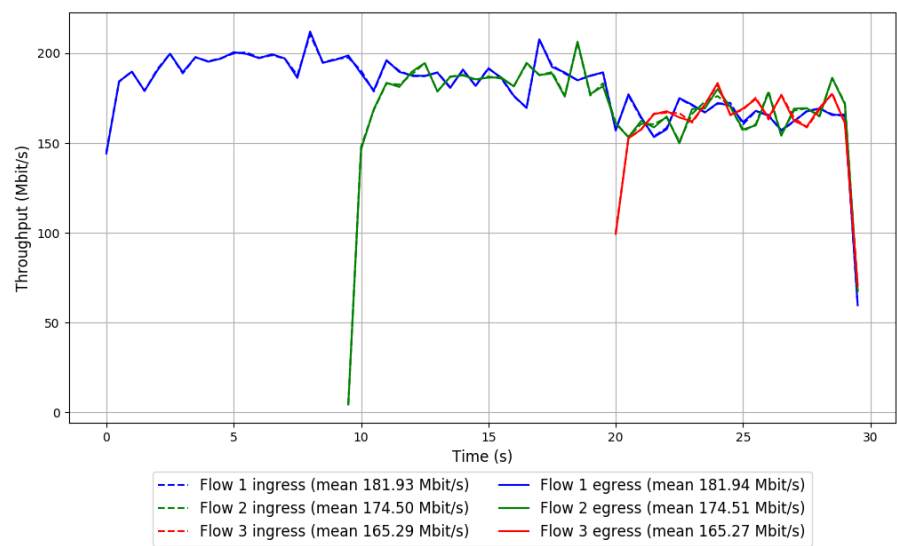
Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 21:46:50  
End at: 2017-11-30 21:47:20  
Local clock offset: 0.174 ms  
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2017-12-01 03:53:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 351.41 Mbit/s  
95th percentile per-packet one-way delay: 7.797 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 181.94 Mbit/s  
95th percentile per-packet one-way delay: 4.056 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 174.51 Mbit/s  
95th percentile per-packet one-way delay: 10.874 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 165.27 Mbit/s  
95th percentile per-packet one-way delay: 7.093 ms  
Loss rate: 0.01%



Run 3: Report of Indigo-calib — Data Link

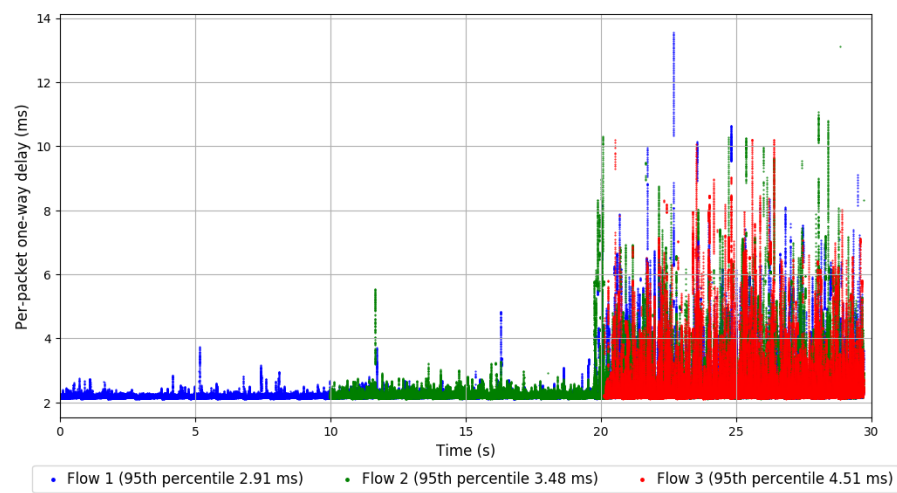
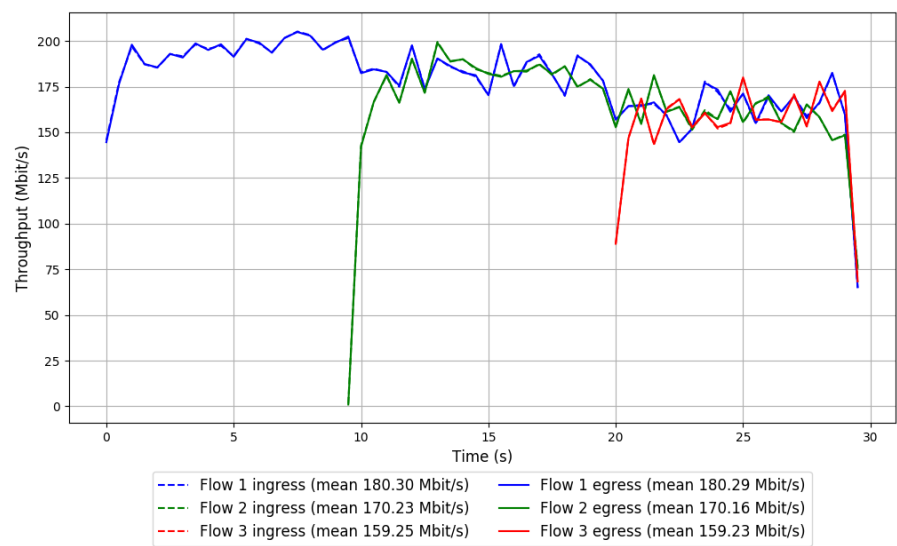


Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 22:06:08  
End at: 2017-11-30 22:06:38  
Local clock offset: 0.16 ms  
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2017-12-01 03:54:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 344.70 Mbit/s  
95th percentile per-packet one-way delay: 3.401 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 180.29 Mbit/s  
95th percentile per-packet one-way delay: 2.909 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 170.16 Mbit/s  
95th percentile per-packet one-way delay: 3.484 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 159.23 Mbit/s  
95th percentile per-packet one-way delay: 4.514 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link

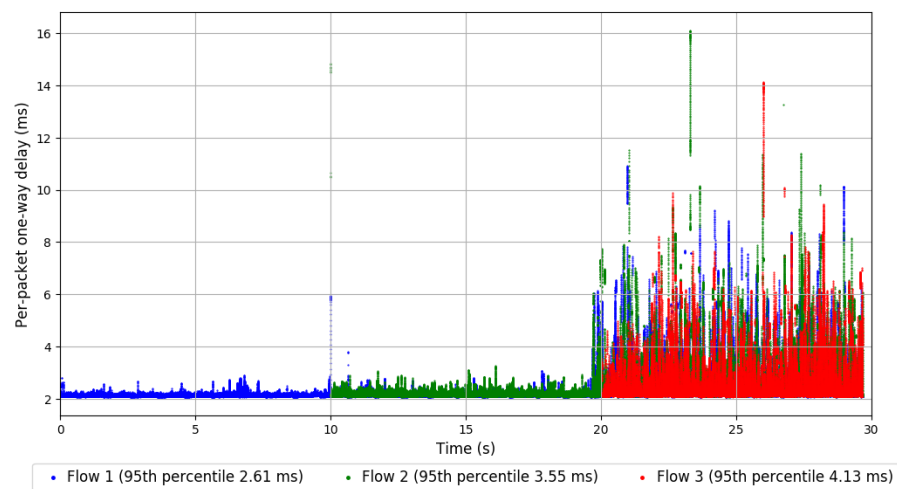
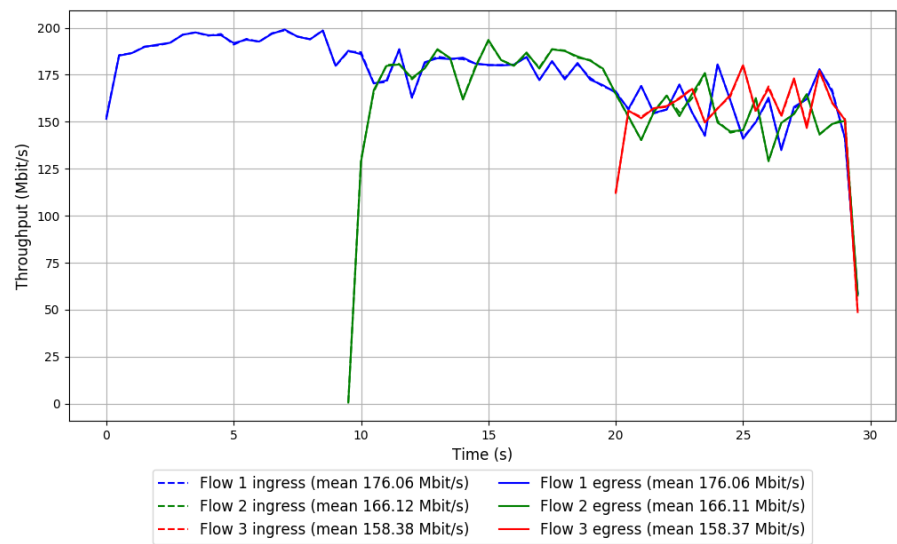


Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 22:25:52  
End at: 2017-11-30 22:26:22  
Local clock offset: 0.046 ms  
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2017-12-01 03:54:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 337.63 Mbit/s  
95th percentile per-packet one-way delay: 3.257 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 176.06 Mbit/s  
95th percentile per-packet one-way delay: 2.614 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 166.11 Mbit/s  
95th percentile per-packet one-way delay: 3.549 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 158.37 Mbit/s  
95th percentile per-packet one-way delay: 4.131 ms  
Loss rate: 0.02%

Run 5: Report of Indigo-calib — Data Link

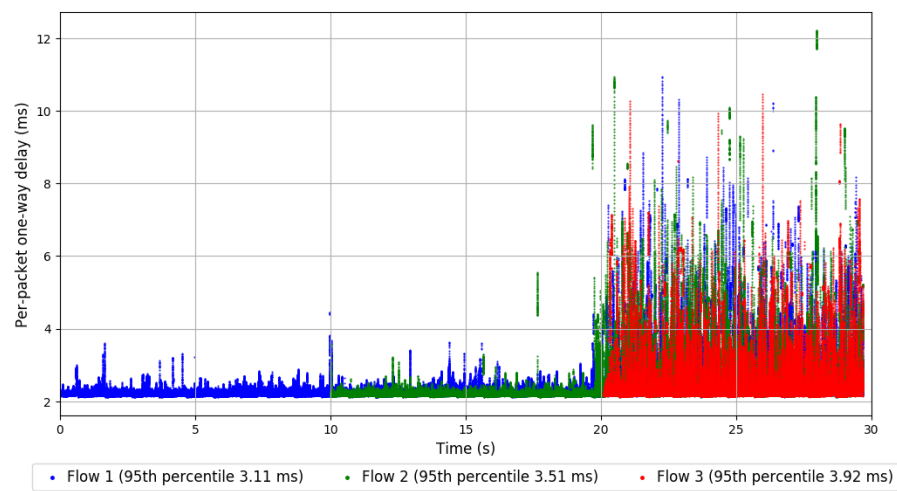
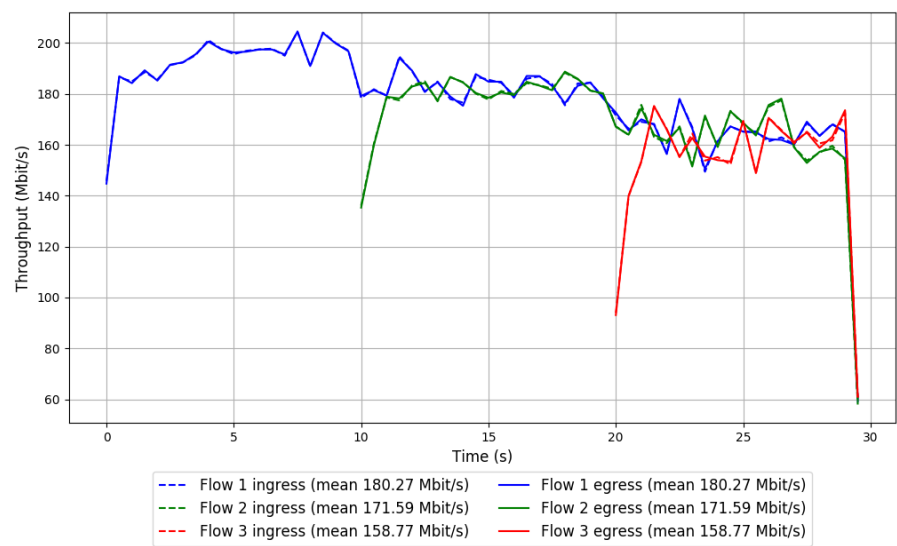


Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 22:45:14  
End at: 2017-11-30 22:45:44  
Local clock offset: -0.034 ms  
Remote clock offset: -0.321 ms

# Below is generated by plot.py at 2017-12-01 03:54:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 345.33 Mbit/s  
95th percentile per-packet one-way delay: 3.392 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 180.27 Mbit/s  
95th percentile per-packet one-way delay: 3.108 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 171.59 Mbit/s  
95th percentile per-packet one-way delay: 3.513 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 158.77 Mbit/s  
95th percentile per-packet one-way delay: 3.915 ms  
Loss rate: 0.00%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 23:04:25

End at: 2017-11-30 23:04:55

Local clock offset: -0.169 ms

Remote clock offset: -0.43 ms

# Below is generated by plot.py at 2017-12-01 03:55:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 340.92 Mbit/s

95th percentile per-packet one-way delay: 3.456 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.37 Mbit/s

95th percentile per-packet one-way delay: 3.068 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 169.18 Mbit/s

95th percentile per-packet one-way delay: 3.374 ms

Loss rate: 0.00%

-- Flow 3:

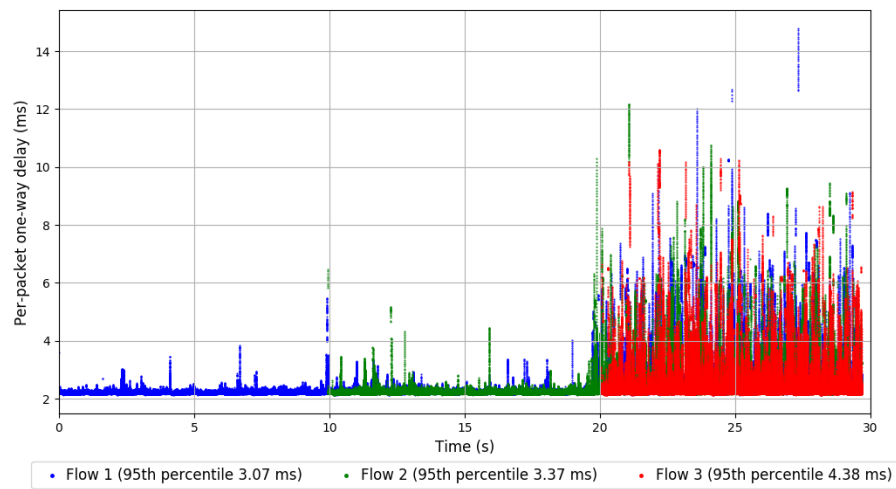
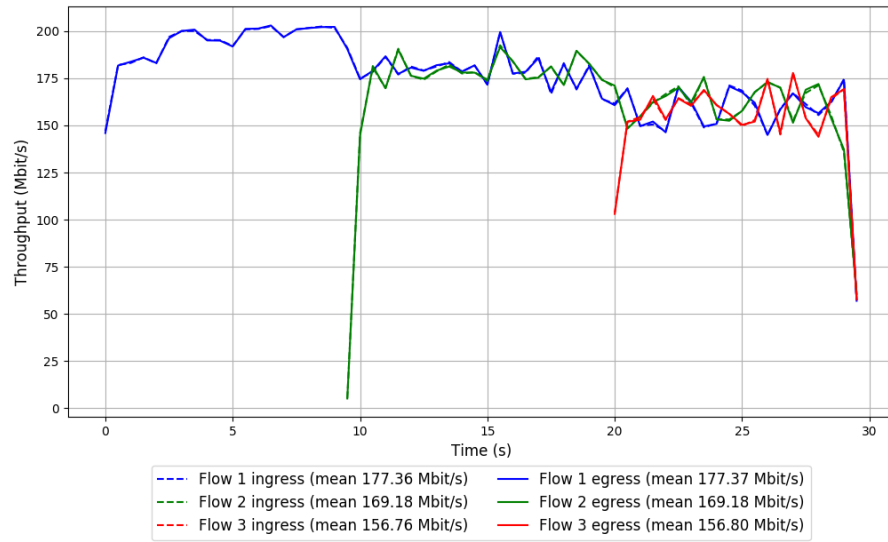
Average throughput: 156.80 Mbit/s

95th percentile per-packet one-way delay: 4.382 ms

Loss rate: 0.00%



## Run 7: Report of Indigo-calib — Data Link

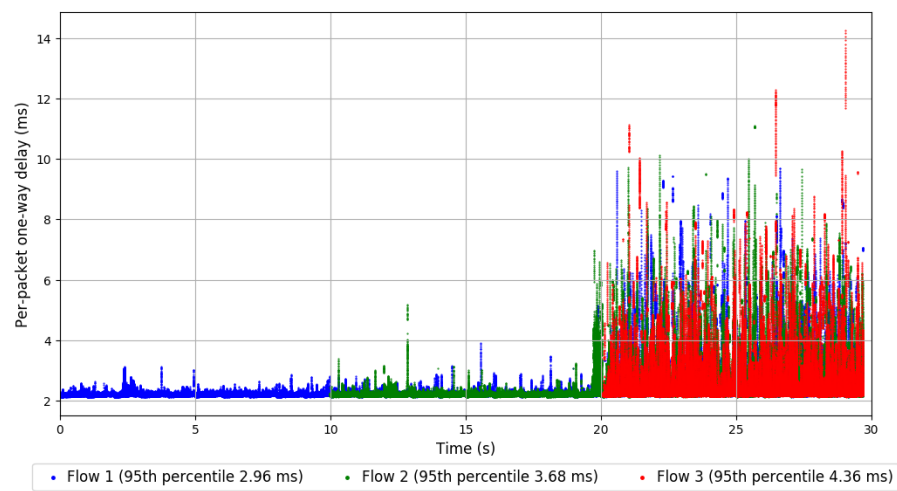
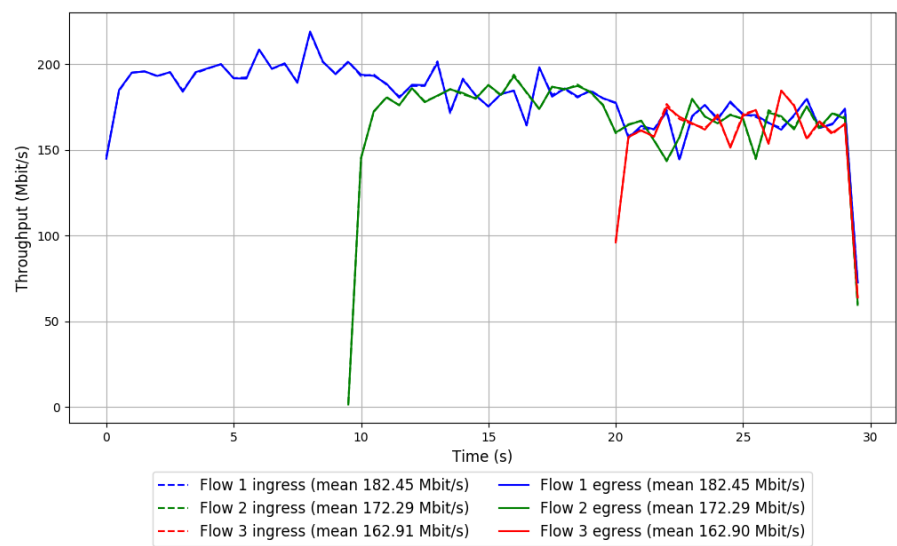


Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 23:23:57  
End at: 2017-11-30 23:24:27  
Local clock offset: -0.122 ms  
Remote clock offset: -0.365 ms

# Below is generated by plot.py at 2017-12-01 03:55:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 349.68 Mbit/s  
95th percentile per-packet one-way delay: 3.527 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 182.45 Mbit/s  
95th percentile per-packet one-way delay: 2.960 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 172.29 Mbit/s  
95th percentile per-packet one-way delay: 3.683 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 162.90 Mbit/s  
95th percentile per-packet one-way delay: 4.359 ms  
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

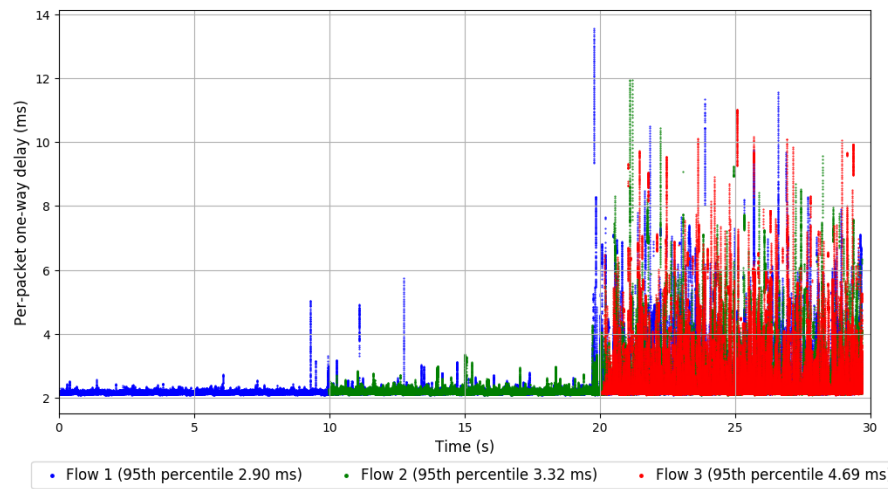
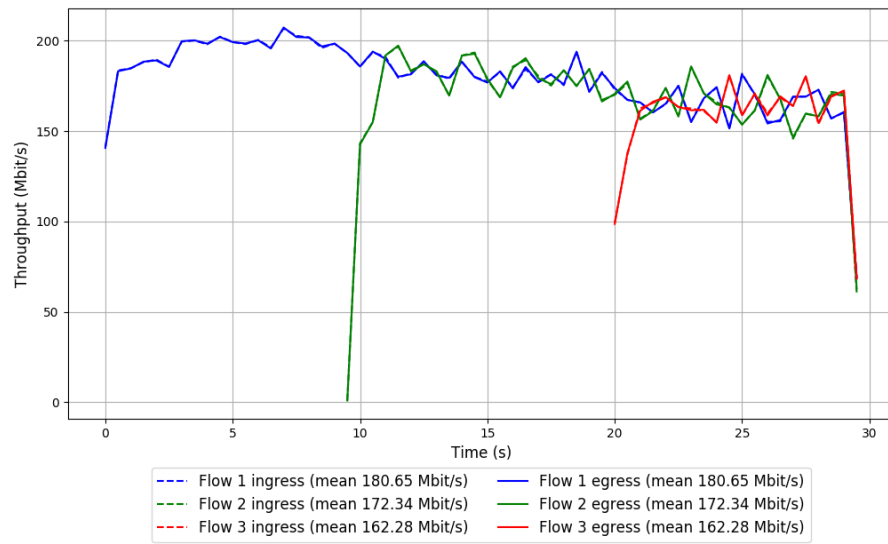


Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 23:43:28  
End at: 2017-11-30 23:43:58  
Local clock offset: -0.105 ms  
Remote clock offset: -0.306 ms

# Below is generated by plot.py at 2017-12-01 03:55:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 347.58 Mbit/s  
95th percentile per-packet one-way delay: 3.425 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 180.65 Mbit/s  
95th percentile per-packet one-way delay: 2.895 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 172.34 Mbit/s  
95th percentile per-packet one-way delay: 3.323 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 162.28 Mbit/s  
95th percentile per-packet one-way delay: 4.694 ms  
Loss rate: 0.00%

### Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 00:02:51

End at: 2017-12-01 00:03:21

Local clock offset: -0.109 ms

Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2017-12-01 03:55:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 340.11 Mbit/s

95th percentile per-packet one-way delay: 3.415 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 176.83 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.93 Mbit/s

95th percentile per-packet one-way delay: 3.367 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 157.84 Mbit/s

95th percentile per-packet one-way delay: 4.273 ms

Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

