

## Pantheon Report

Generated at 2017-11-30 23:56:14 (UTC).

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

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).

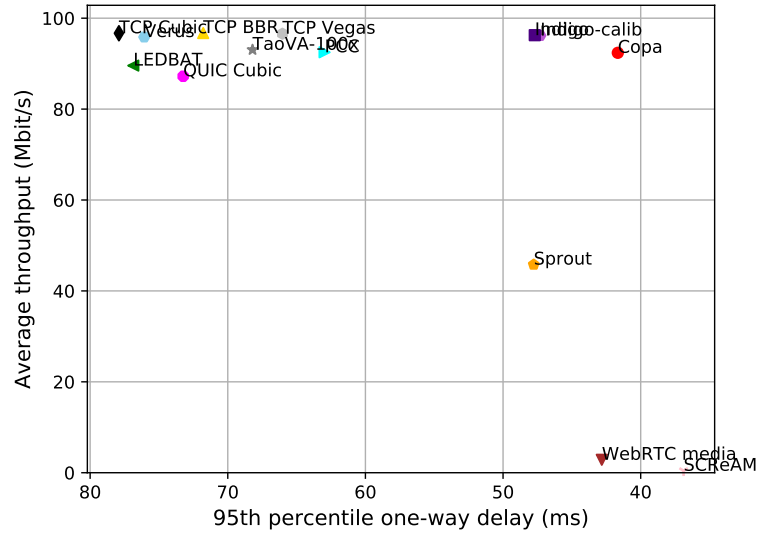
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

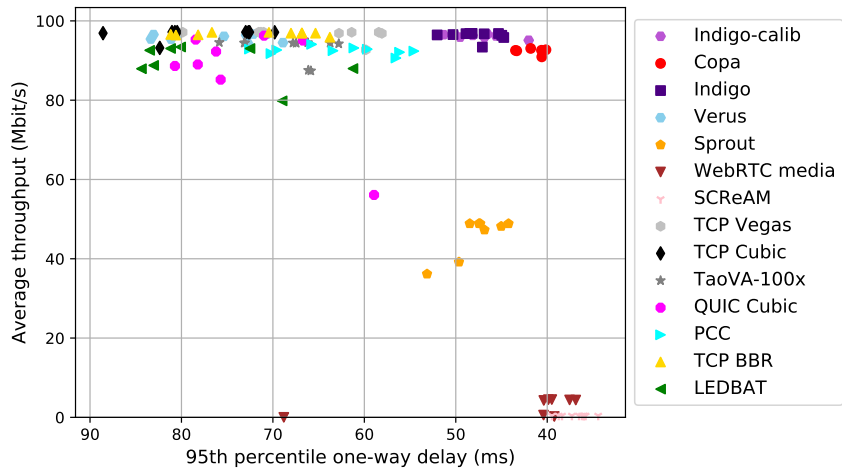
Git summary:

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



test from India Ethernet to AWS India 1 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	59.75	37.22	36.75	66.79	73.60	71.12	0.14	0.20	0.57
TCP Cubic	9	60.76	42.75	27.52	72.52	70.50	78.32	0.12	0.41	1.06
LEDBAT	8	55.04	38.90	26.80	74.28	71.68	72.80	0.22	0.44	1.17
PCC	10	63.02	36.15	16.46	60.02	59.77	60.59	0.08	0.21	0.37
QUIC Cubic	8	47.07	41.21	37.14	70.25	68.11	65.82	0.10	0.26	0.61
SCReAM	10	0.21	0.21	0.22	36.89	36.88	36.73	0.08	0.12	0.14
WebRTC media	8	1.50	1.02	0.54	42.81	40.75	43.19	0.02	0.35	0.35
Sprout	8	22.90	22.64	22.47	47.35	47.73	48.70	0.13	0.17	0.29
TaoVA-100x	10	58.65	39.65	31.57	64.41	68.67	67.17	0.10	0.24	0.72
TCP Vegas	9	58.70	38.30	37.27	62.85	57.25	62.85	0.08	0.10	0.41
Verus	10	58.48	39.38	33.76	72.79	74.12	72.17	0.11	0.26	0.63
Copa	6	58.49	39.38	27.59	41.16	42.23	42.93	0.06	0.12	0.39
Indigo	10	58.16	41.23	32.95	47.94	45.54	46.76	0.07	0.15	0.40
Indigo-calib	9	59.09	41.21	30.00	47.02	48.35	50.48	0.06	0.15	0.35

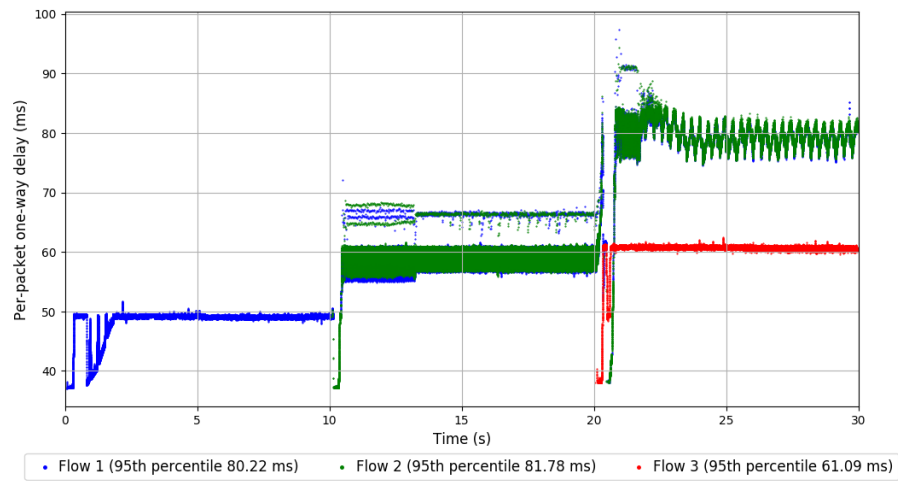
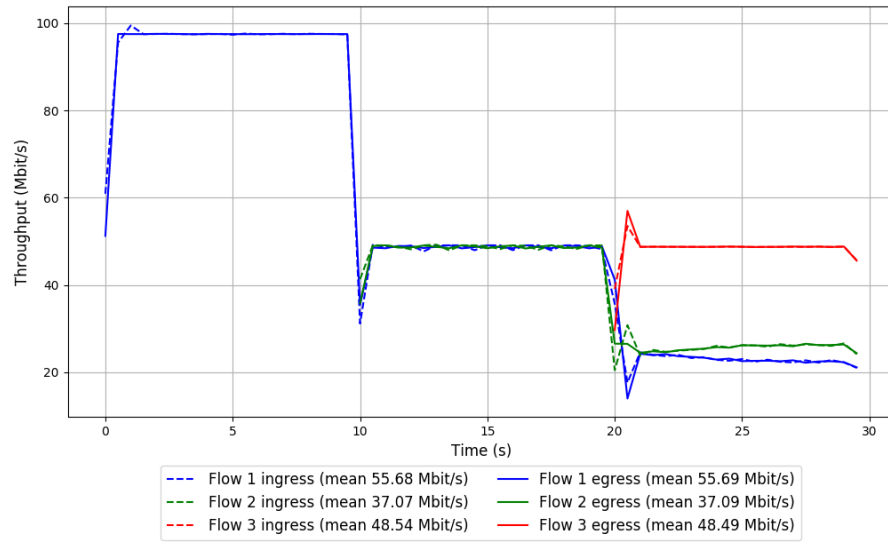
Run 1: Statistics of TCP BBR

Start at: 2017-11-30 17:59:05  
End at: 2017-11-30 17:59:35  
Local clock offset: 6.83 ms  
Remote clock offset: -20.886 ms

# Below is generated by plot.py at 2017-11-30 23:36:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.43 Mbit/s  
95th percentile per-packet one-way delay: 80.614 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 55.69 Mbit/s  
95th percentile per-packet one-way delay: 80.219 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 37.09 Mbit/s  
95th percentile per-packet one-way delay: 81.775 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 48.49 Mbit/s  
95th percentile per-packet one-way delay: 61.092 ms  
Loss rate: 0.62%



# Run 1: Report of TCP BBR — Data Link

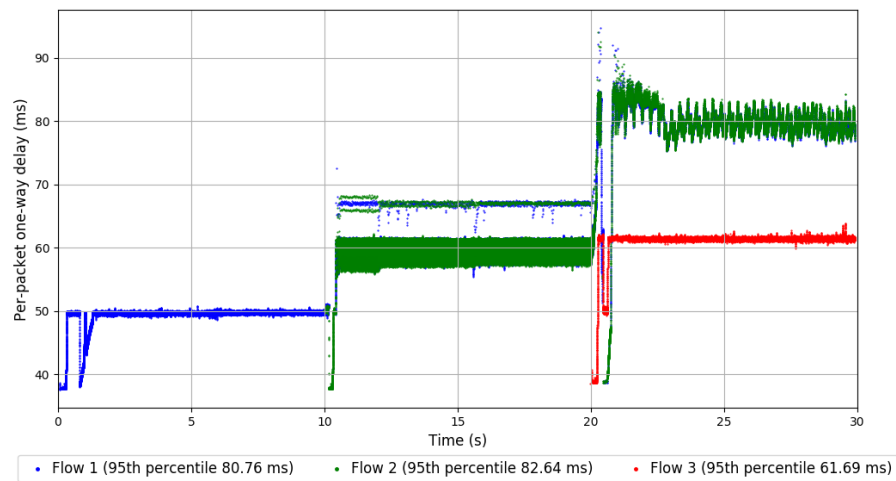
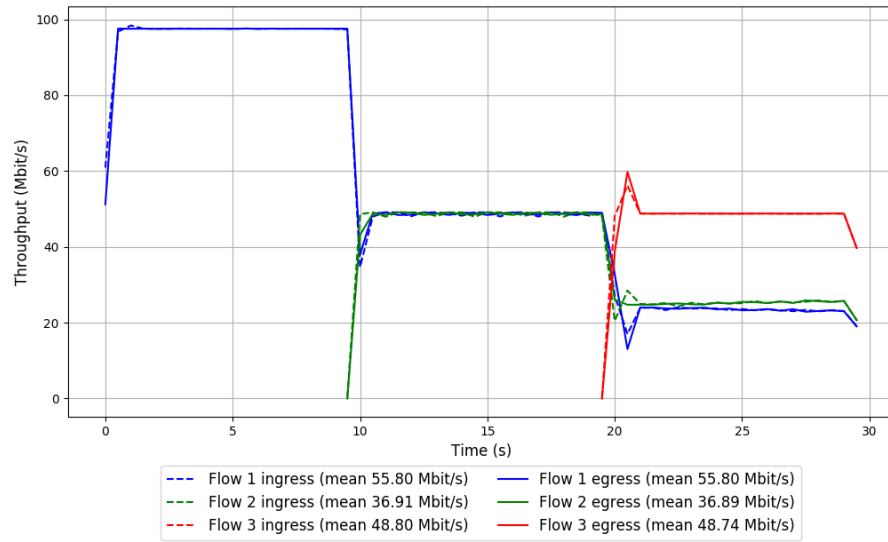


Run 2: Statistics of TCP BBR

Start at: 2017-11-30 18:16:43  
End at: 2017-11-30 18:17:13  
Local clock offset: 7.211 ms  
Remote clock offset: -20.914 ms

# Below is generated by plot.py at 2017-11-30 23:36:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.60 Mbit/s  
95th percentile per-packet one-way delay: 81.174 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 55.80 Mbit/s  
95th percentile per-packet one-way delay: 80.756 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 36.89 Mbit/s  
95th percentile per-packet one-way delay: 82.643 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 48.74 Mbit/s  
95th percentile per-packet one-way delay: 61.688 ms  
Loss rate: 0.61%

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

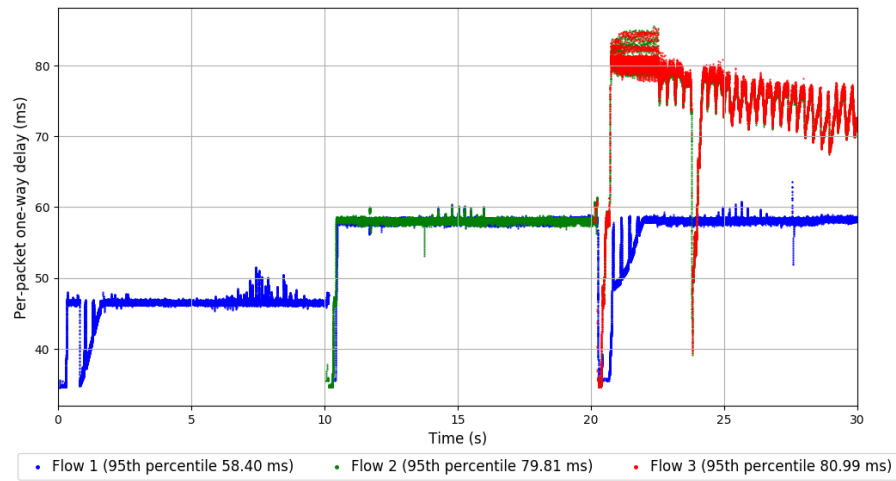
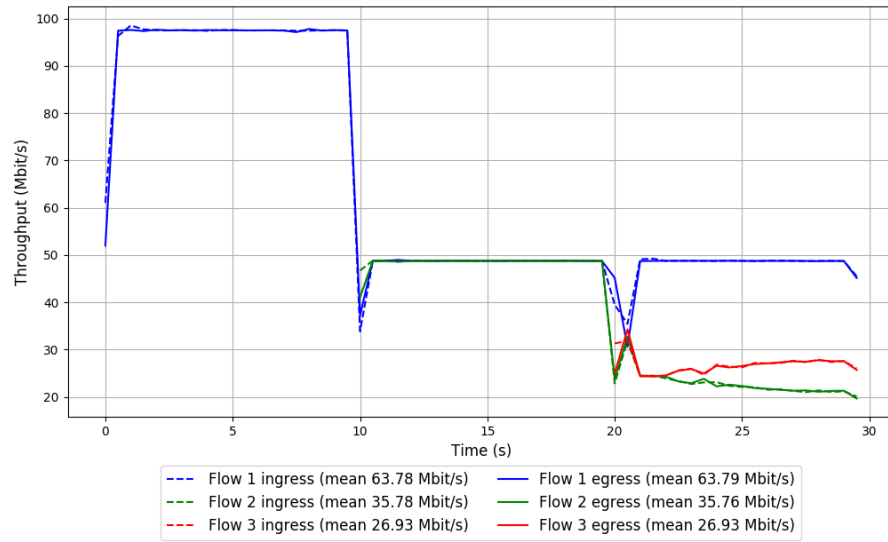


Run 3: Statistics of TCP BBR

Start at: 2017-11-30 18:34:27  
End at: 2017-11-30 18:34:57  
Local clock offset: 3.102 ms  
Remote clock offset: -21.895 ms

# Below is generated by plot.py at 2017-11-30 23:36:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.49 Mbit/s  
95th percentile per-packet one-way delay: 78.177 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 63.79 Mbit/s  
95th percentile per-packet one-way delay: 58.397 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 35.76 Mbit/s  
95th percentile per-packet one-way delay: 79.811 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 26.93 Mbit/s  
95th percentile per-packet one-way delay: 80.994 ms  
Loss rate: 0.80%

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

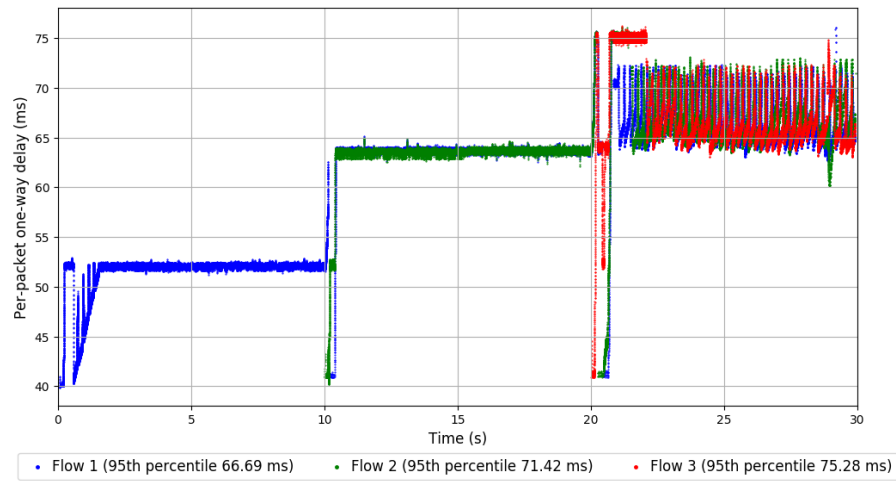
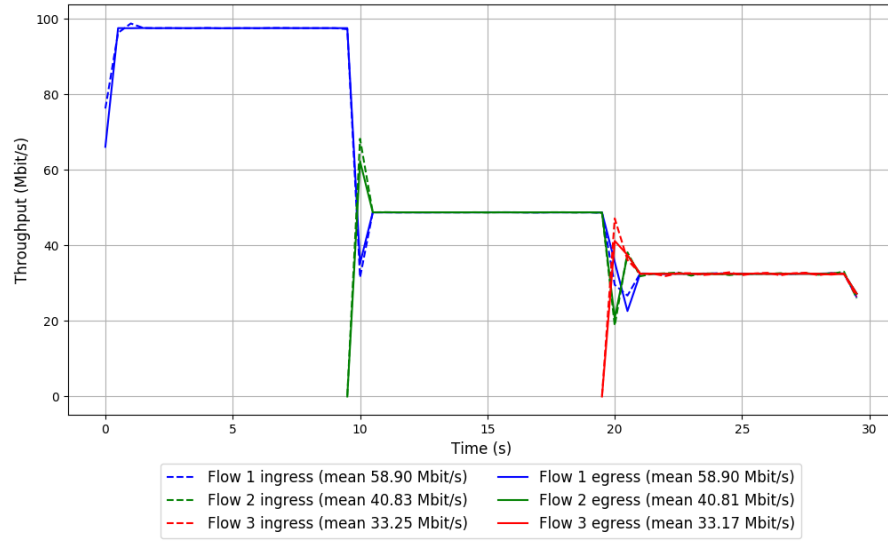


Run 4: Statistics of TCP BBR

Start at: 2017-11-30 18:51:39  
End at: 2017-11-30 18:52:09  
Local clock offset: 8.522 ms  
Remote clock offset: -22.166 ms

# Below is generated by plot.py at 2017-11-30 23:36:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 70.433 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 58.90 Mbit/s  
95th percentile per-packet one-way delay: 66.687 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 40.81 Mbit/s  
95th percentile per-packet one-way delay: 71.418 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 33.17 Mbit/s  
95th percentile per-packet one-way delay: 75.282 ms  
Loss rate: 0.55%

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



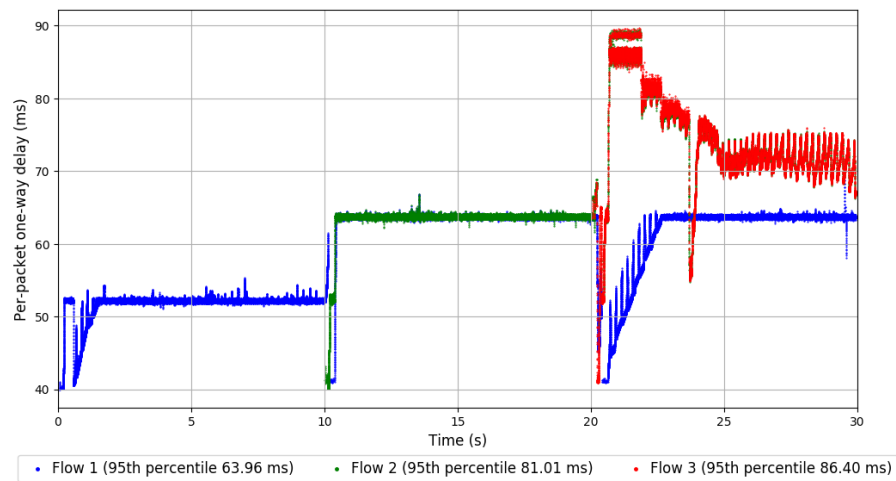
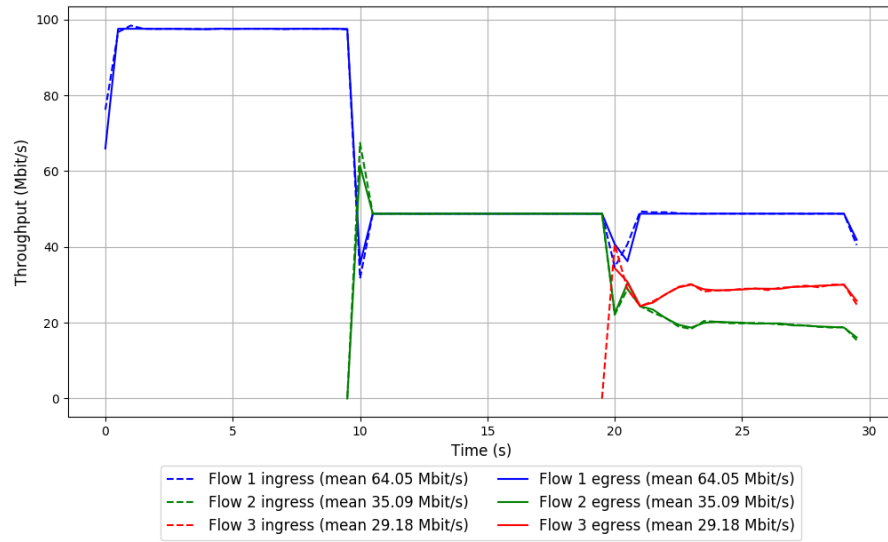
Run 5: Statistics of TCP BBR

Start at: 2017-11-30 19:08:48  
End at: 2017-11-30 19:09:18  
Local clock offset: 8.798 ms  
Remote clock offset: -22.415 ms

# Below is generated by plot.py at 2017-11-30 23:36:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 76.669 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 64.05 Mbit/s  
95th percentile per-packet one-way delay: 63.962 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 35.09 Mbit/s  
95th percentile per-packet one-way delay: 81.007 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 29.18 Mbit/s  
95th percentile per-packet one-way delay: 86.396 ms  
Loss rate: 0.56%



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

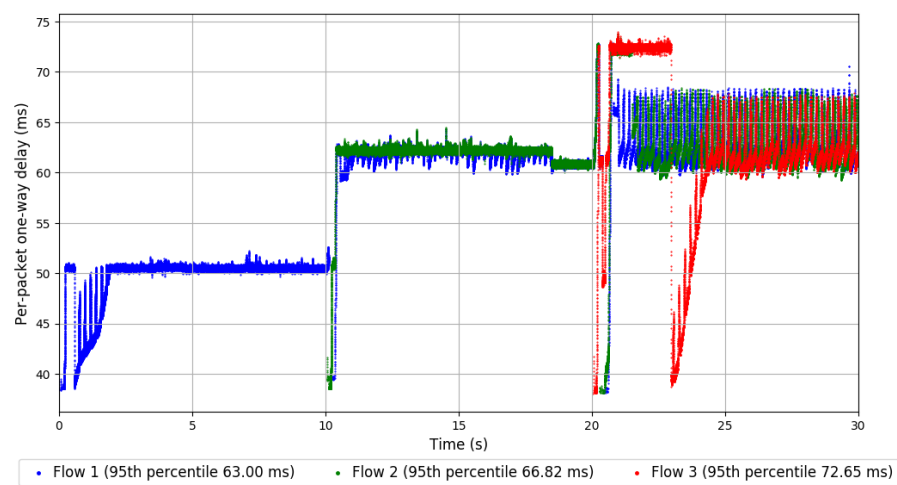
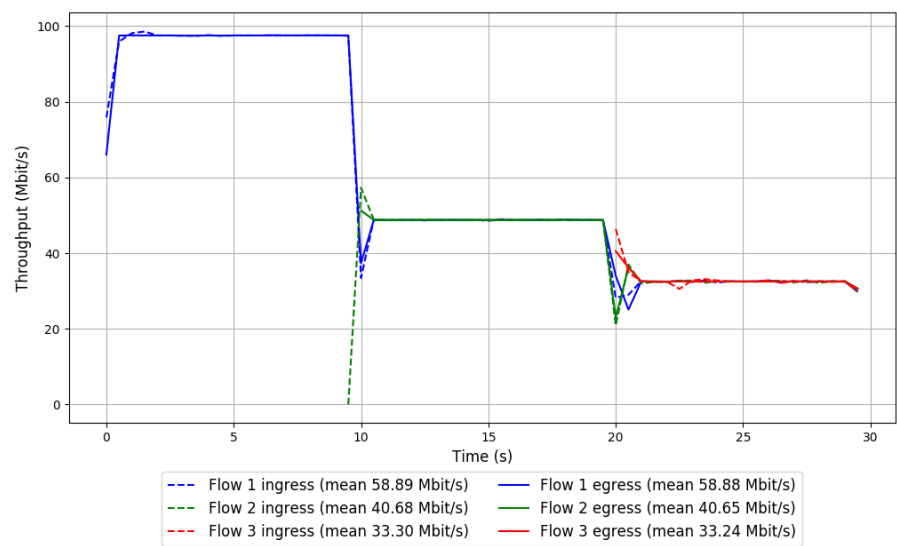


Run 6: Statistics of TCP BBR

Start at: 2017-11-30 19:25:37  
End at: 2017-11-30 19:26:07  
Local clock offset: 8.032 ms  
Remote clock offset: -22.006 ms

# Below is generated by plot.py at 2017-11-30 23:36:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.98 Mbit/s  
95th percentile per-packet one-way delay: 66.825 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 58.88 Mbit/s  
95th percentile per-packet one-way delay: 62.998 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 40.65 Mbit/s  
95th percentile per-packet one-way delay: 66.816 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 33.24 Mbit/s  
95th percentile per-packet one-way delay: 72.651 ms  
Loss rate: 0.48%

Run 6: Report of TCP BBR — Data Link

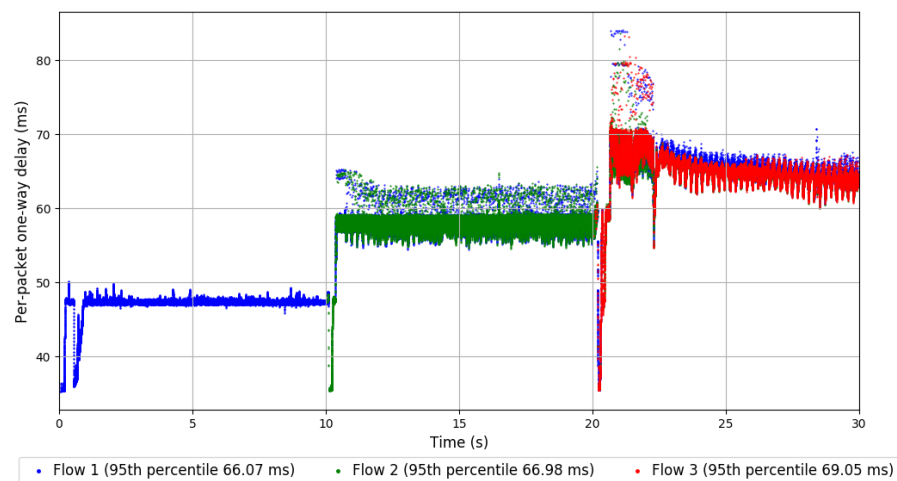
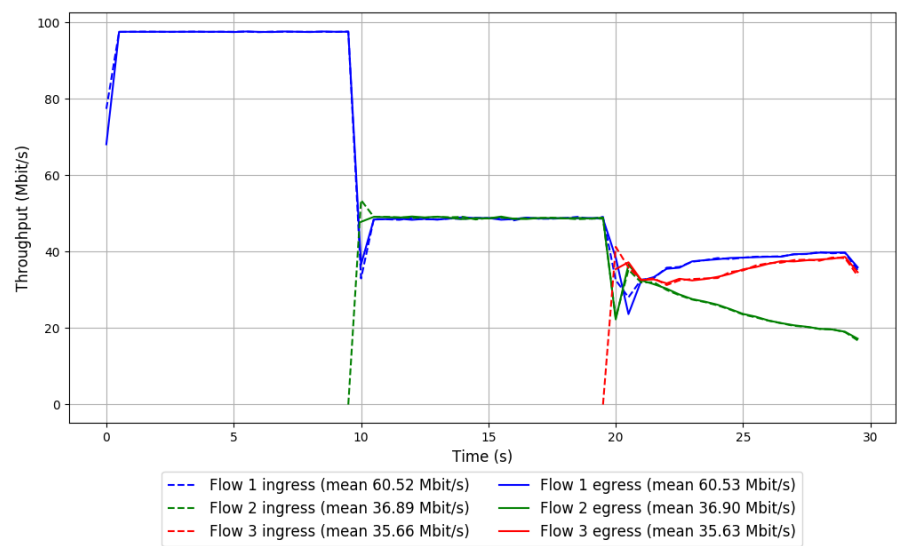


Run 7: Statistics of TCP BBR

Start at: 2017-11-30 19:43:03  
End at: 2017-11-30 19:43:33  
Local clock offset: 5.113 ms  
Remote clock offset: -22.216 ms

# Below is generated by plot.py at 2017-11-30 23:36:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 66.836 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 60.53 Mbit/s  
95th percentile per-packet one-way delay: 66.072 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 36.90 Mbit/s  
95th percentile per-packet one-way delay: 66.981 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 35.63 Mbit/s  
95th percentile per-packet one-way delay: 69.053 ms  
Loss rate: 0.53%

Run 7: Report of TCP BBR — Data Link

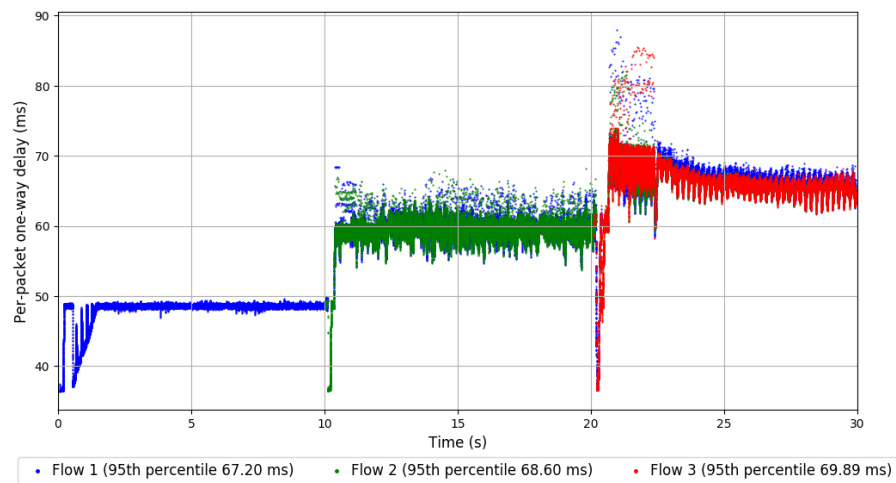
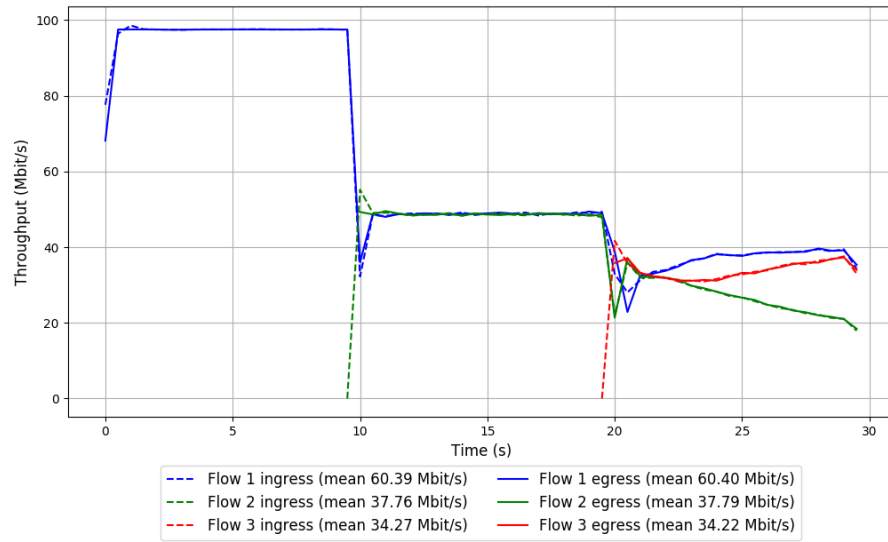


Run 8: Statistics of TCP BBR

Start at: 2017-11-30 20:00:30  
End at: 2017-11-30 20:01:00  
Local clock offset: 4.436 ms  
Remote clock offset: -22.507 ms

# Below is generated by plot.py at 2017-11-30 23:36:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 68.022 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 60.40 Mbit/s  
95th percentile per-packet one-way delay: 67.199 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 37.79 Mbit/s  
95th percentile per-packet one-way delay: 68.600 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 34.22 Mbit/s  
95th percentile per-packet one-way delay: 69.891 ms  
Loss rate: 0.59%

# Run 8: Report of TCP BBR — Data Link



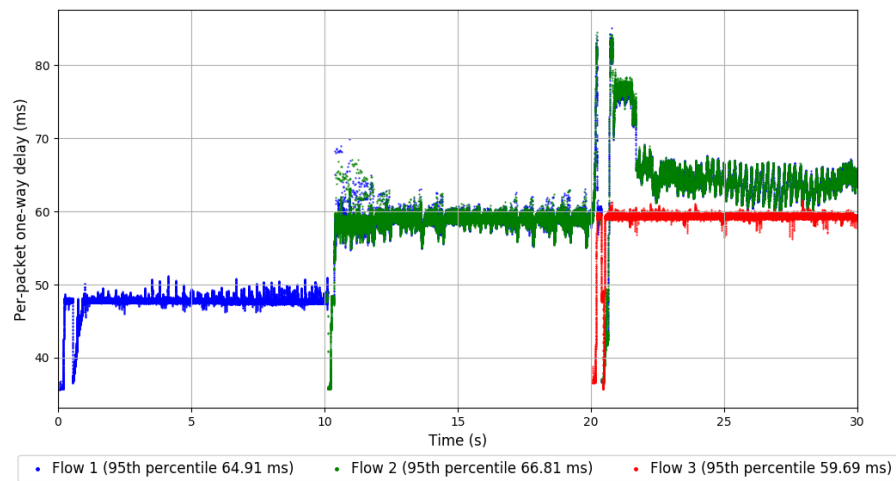
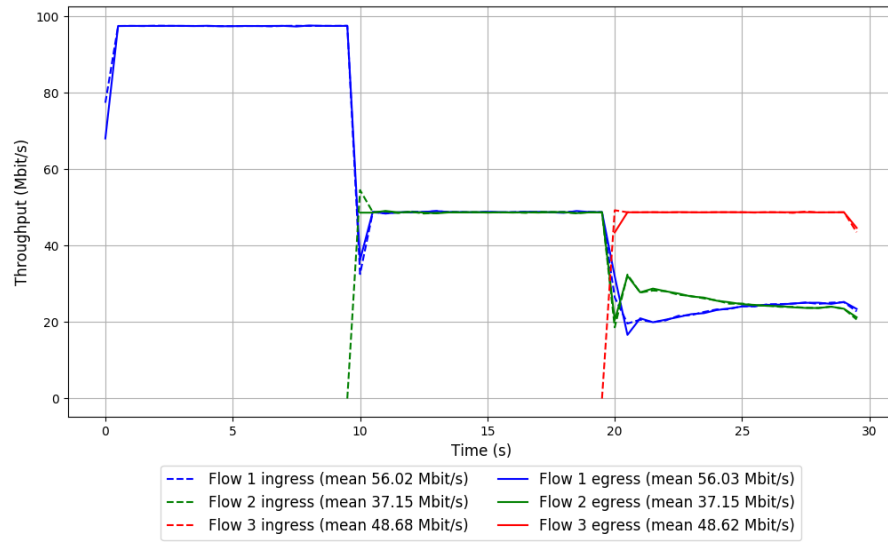
Run 9: Statistics of TCP BBR

Start at: 2017-11-30 20:18:10  
End at: 2017-11-30 20:18:40  
Local clock offset: 2.518 ms  
Remote clock offset: -22.194 ms

# Below is generated by plot.py at 2017-11-30 23:37:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.91 Mbit/s  
95th percentile per-packet one-way delay: 65.340 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 56.03 Mbit/s  
95th percentile per-packet one-way delay: 64.907 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 37.15 Mbit/s  
95th percentile per-packet one-way delay: 66.805 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 48.62 Mbit/s  
95th percentile per-packet one-way delay: 59.693 ms  
Loss rate: 0.48%



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

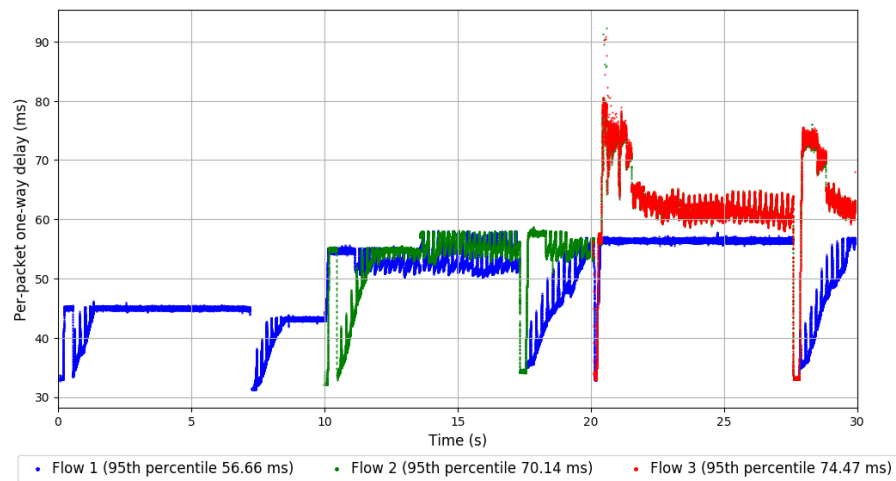
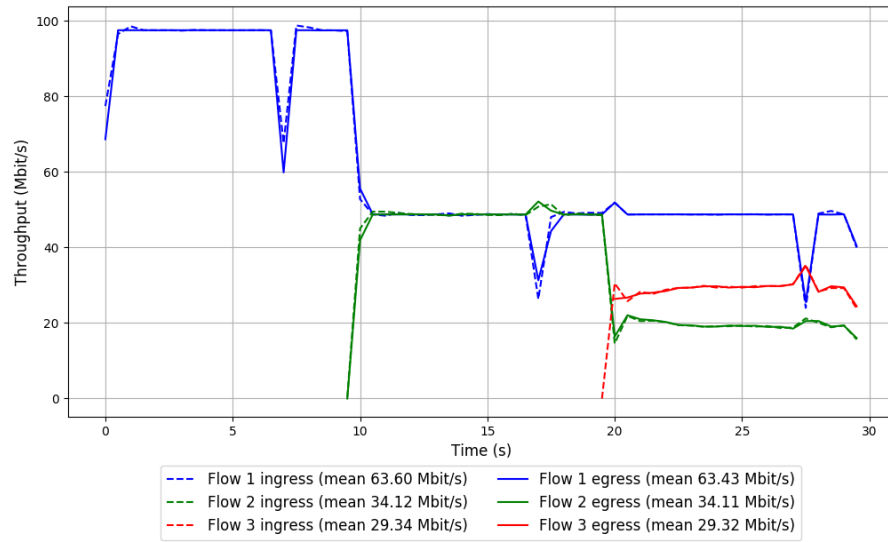


Run 10: Statistics of TCP BBR

Start at: 2017-11-30 20:35:08  
End at: 2017-11-30 20:35:38  
Local clock offset: 4.428 ms  
Remote clock offset: -16.803 ms

# Below is generated by plot.py at 2017-11-30 23:37:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.88 Mbit/s  
95th percentile per-packet one-way delay: 63.769 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 63.43 Mbit/s  
95th percentile per-packet one-way delay: 56.661 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 34.11 Mbit/s  
95th percentile per-packet one-way delay: 70.142 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 29.32 Mbit/s  
95th percentile per-packet one-way delay: 74.474 ms  
Loss rate: 0.49%

# Run 10: Report of TCP BBR — Data Link

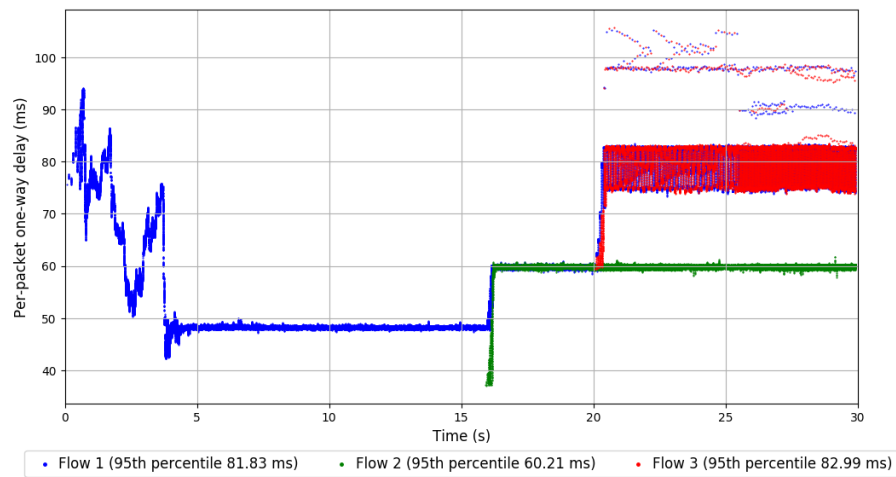
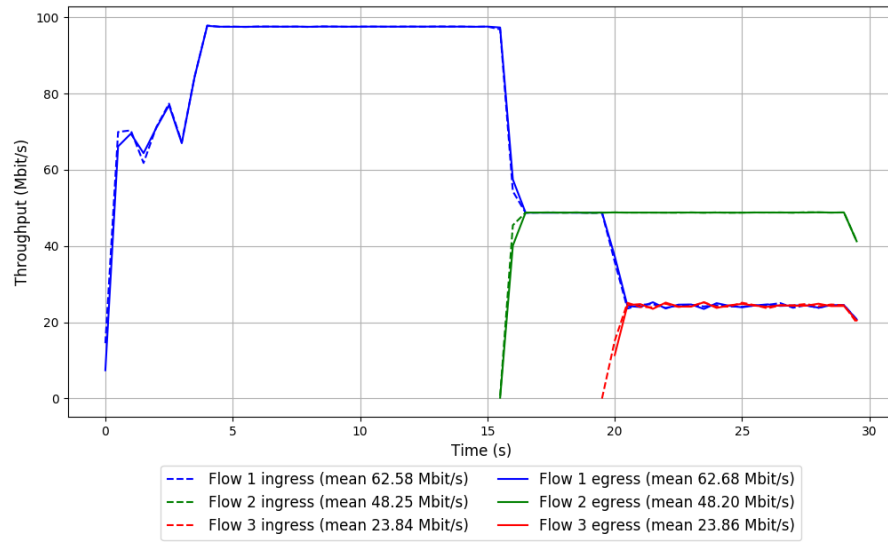


Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 18:00:22  
End at: 2017-11-30 18:00:52  
Local clock offset: 6.143 ms  
Remote clock offset: -20.746 ms

# Below is generated by plot.py at 2017-11-30 23:37:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.19 Mbit/s  
95th percentile per-packet one-way delay: 82.372 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 62.68 Mbit/s  
95th percentile per-packet one-way delay: 81.825 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 48.20 Mbit/s  
95th percentile per-packet one-way delay: 60.214 ms  
Loss rate: 0.44%  
-- Flow 3:  
Average throughput: 23.86 Mbit/s  
95th percentile per-packet one-way delay: 82.986 ms  
Loss rate: 0.78%

## Run 1: Report of TCP Cubic — Data Link

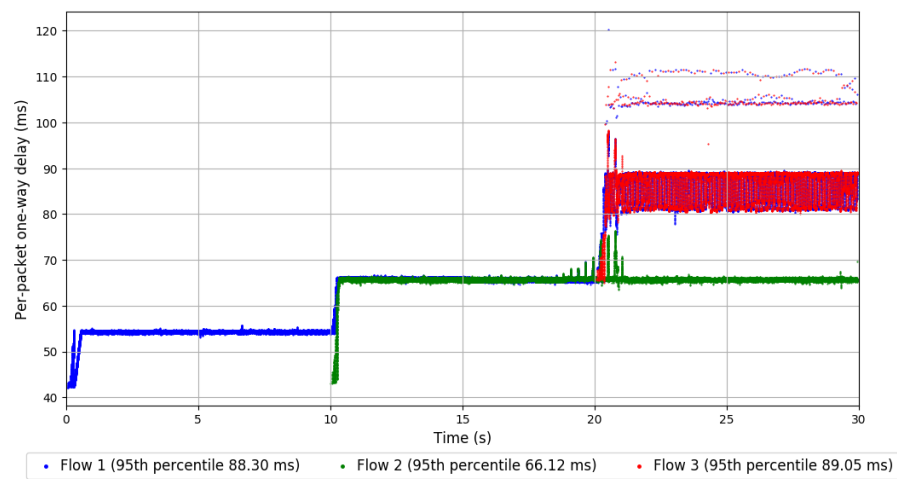
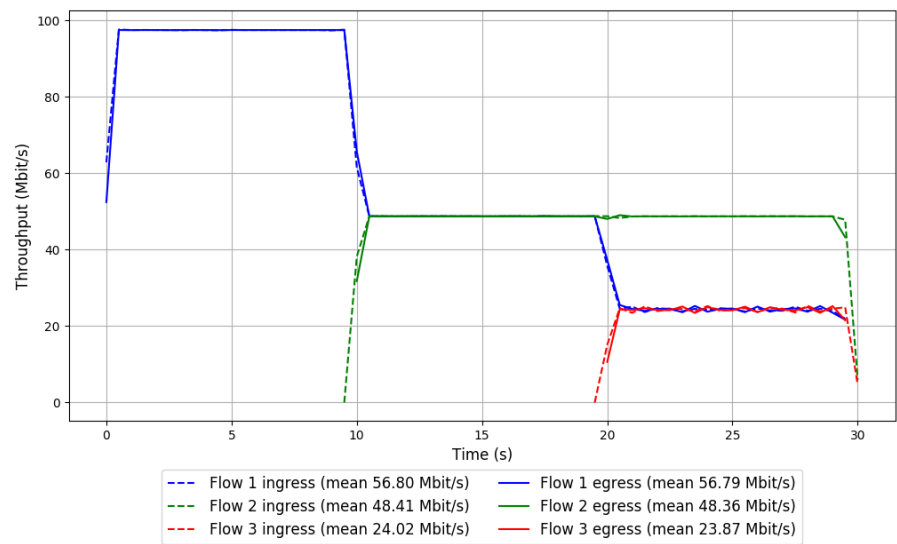


Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 18:17:57  
End at: 2017-11-30 18:18:27  
Local clock offset: 8.82 ms  
Remote clock offset: -23.795 ms

# Below is generated by plot.py at 2017-11-30 23:37:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 88.575 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 56.79 Mbit/s  
95th percentile per-packet one-way delay: 88.299 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 48.36 Mbit/s  
95th percentile per-packet one-way delay: 66.122 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 23.87 Mbit/s  
95th percentile per-packet one-way delay: 89.045 ms  
Loss rate: 2.44%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 18:35:40

End at: 2017-11-30 18:36:10

Local clock offset: 3.666 ms

Remote clock offset: -20.497 ms



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

Figure is missing

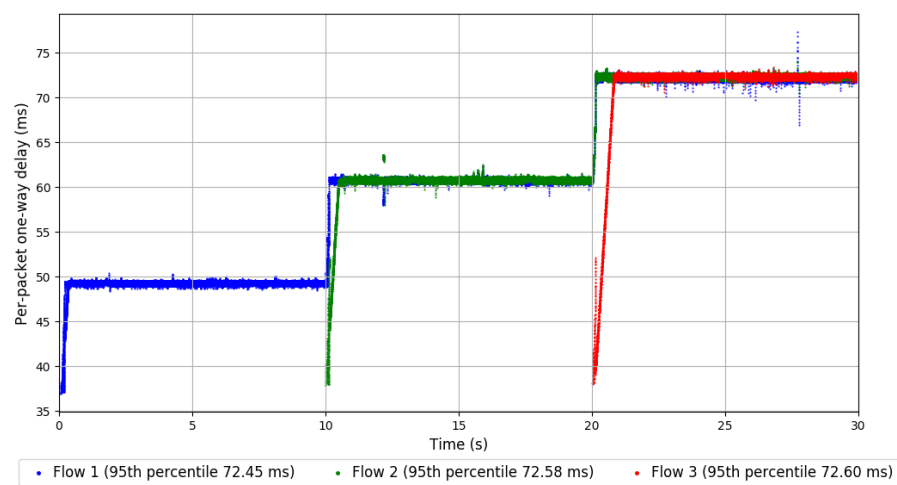
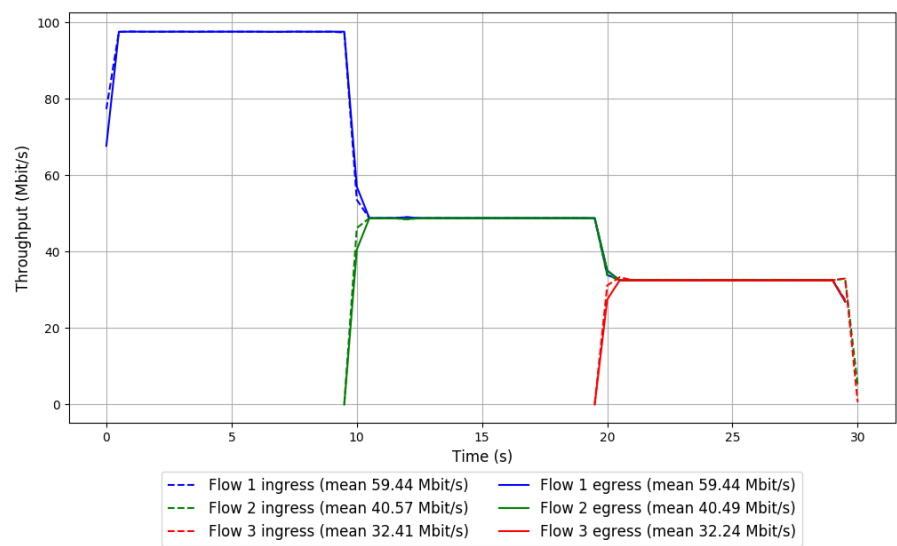
Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 18:52:52  
End at: 2017-11-30 18:53:22  
Local clock offset: 6.687 ms  
Remote clock offset: -21.117 ms

# Below is generated by plot.py at 2017-11-30 23:37:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 72.550 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 59.44 Mbit/s  
95th percentile per-packet one-way delay: 72.452 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 40.49 Mbit/s  
95th percentile per-packet one-way delay: 72.580 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 32.24 Mbit/s  
95th percentile per-packet one-way delay: 72.597 ms  
Loss rate: 1.74%

Run 4: Report of TCP Cubic — Data Link

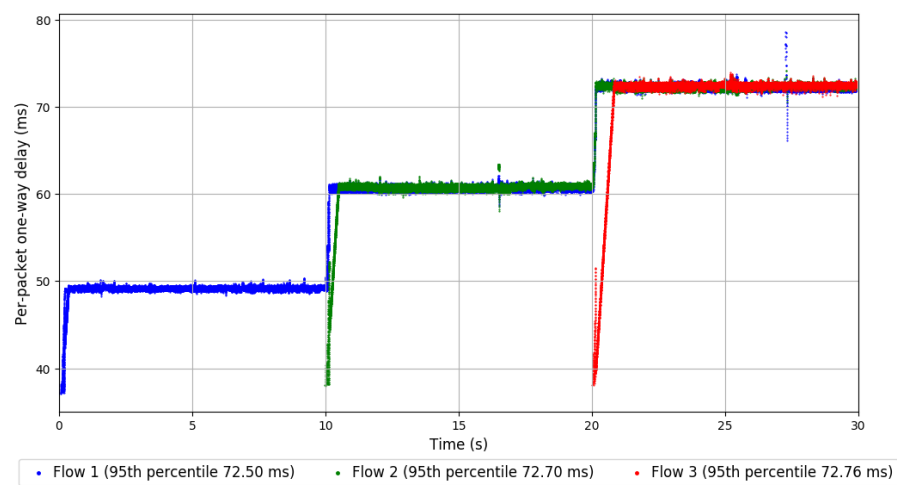
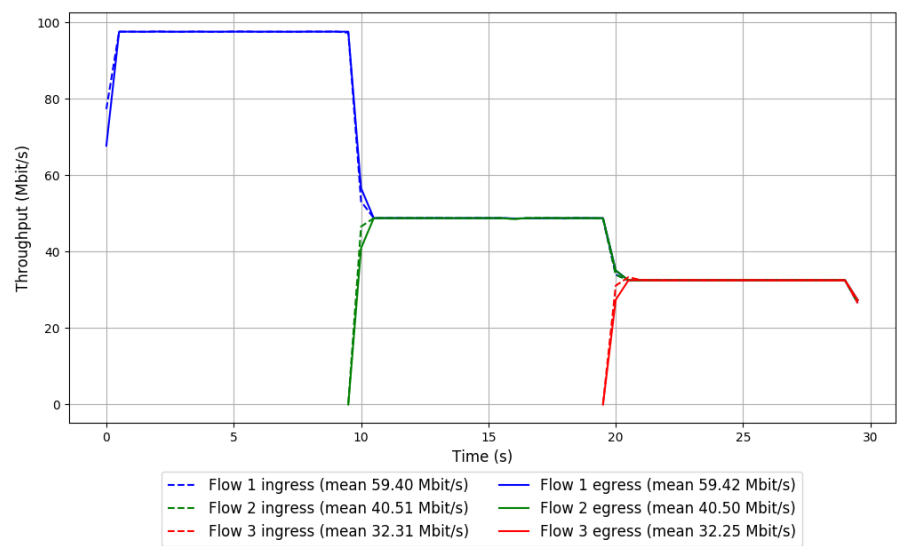


Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 19:10:02  
End at: 2017-11-30 19:10:32  
Local clock offset: 6.399 ms  
Remote clock offset: -22.006 ms

# Below is generated by plot.py at 2017-11-30 23:37:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 72.680 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 59.42 Mbit/s  
95th percentile per-packet one-way delay: 72.502 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.50 Mbit/s  
95th percentile per-packet one-way delay: 72.704 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 32.25 Mbit/s  
95th percentile per-packet one-way delay: 72.757 ms  
Loss rate: 0.61%

Run 5: Report of TCP Cubic — Data Link

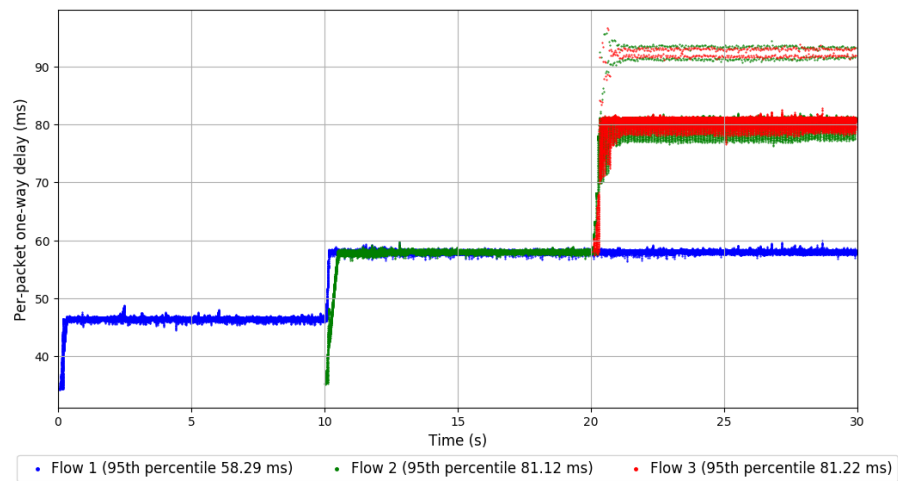
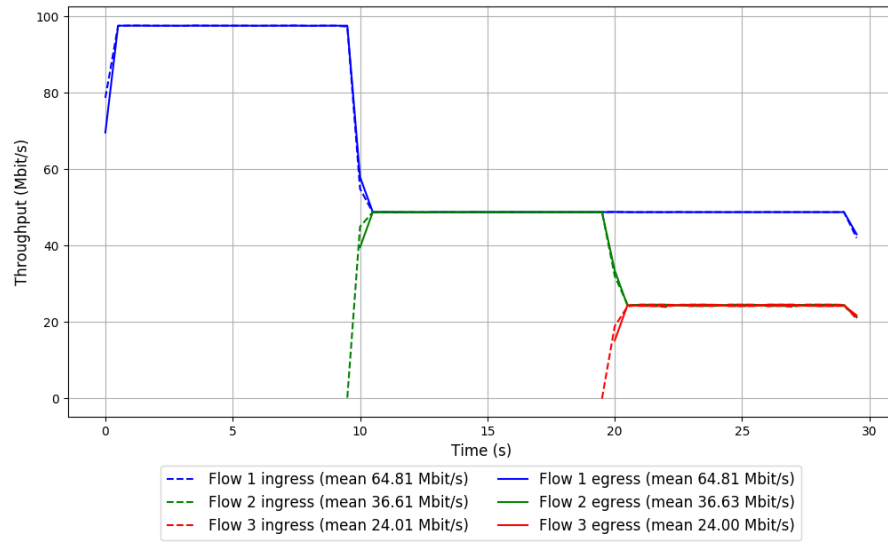


Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 19:26:51  
End at: 2017-11-30 19:27:21  
Local clock offset: 6.382 ms  
Remote clock offset: -20.847 ms

# Below is generated by plot.py at 2017-11-30 23:37:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 81.036 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 64.81 Mbit/s  
95th percentile per-packet one-way delay: 58.293 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 36.63 Mbit/s  
95th percentile per-packet one-way delay: 81.121 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 24.00 Mbit/s  
95th percentile per-packet one-way delay: 81.221 ms  
Loss rate: 0.73%

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



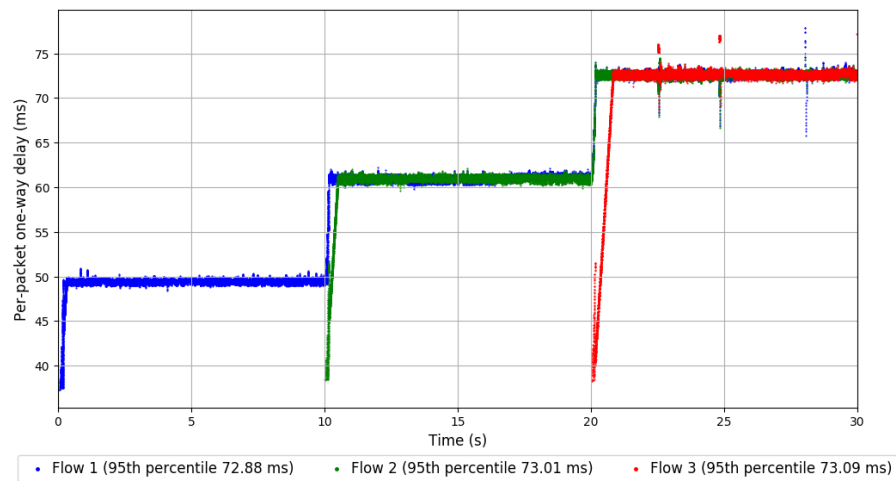
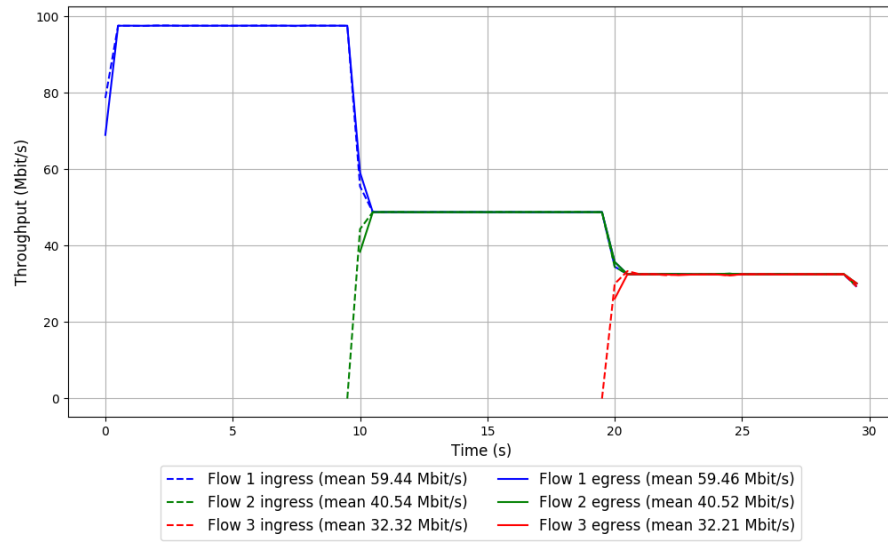
Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 19:44:20  
End at: 2017-11-30 19:44:50  
Local clock offset: 7.166 ms  
Remote clock offset: -22.082 ms

# Below is generated by plot.py at 2017-11-30 23:37:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.16 Mbit/s  
95th percentile per-packet one-way delay: 72.975 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 59.46 Mbit/s  
95th percentile per-packet one-way delay: 72.878 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.52 Mbit/s  
95th percentile per-packet one-way delay: 73.010 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 32.21 Mbit/s  
95th percentile per-packet one-way delay: 73.088 ms  
Loss rate: 0.60%



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

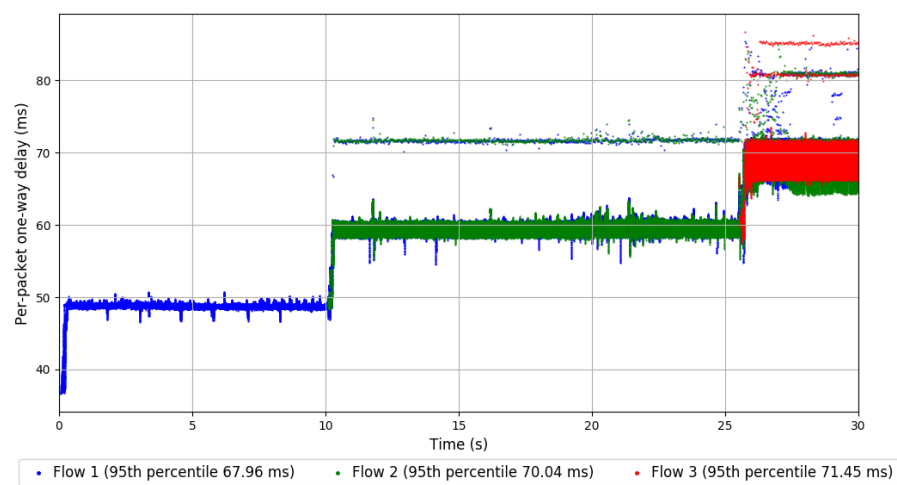
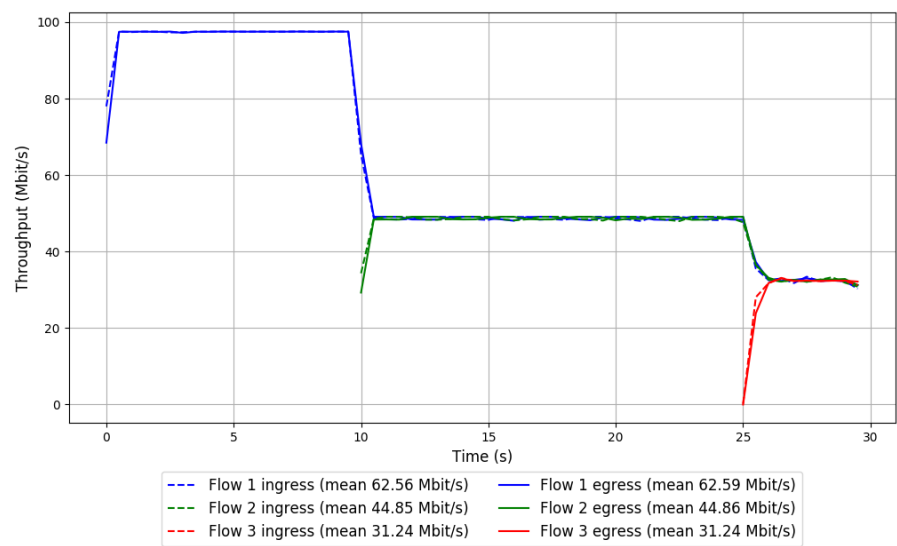


Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 20:01:44  
End at: 2017-11-30 20:02:14  
Local clock offset: 6.734 ms  
Remote clock offset: -20.367 ms

# Below is generated by plot.py at 2017-11-30 23:39:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 69.807 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 62.59 Mbit/s  
95th percentile per-packet one-way delay: 67.964 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 44.86 Mbit/s  
95th percentile per-packet one-way delay: 70.043 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 31.24 Mbit/s  
95th percentile per-packet one-way delay: 71.447 ms  
Loss rate: 1.22%

Run 8: Report of TCP Cubic — Data Link

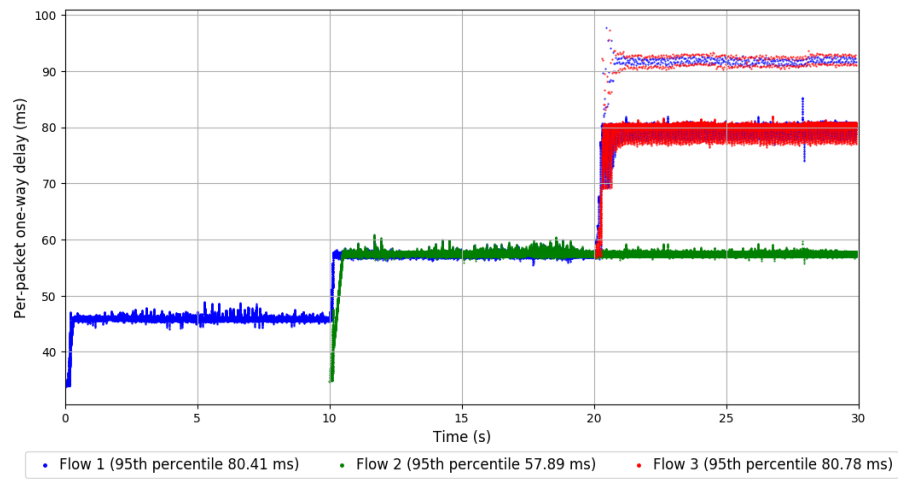
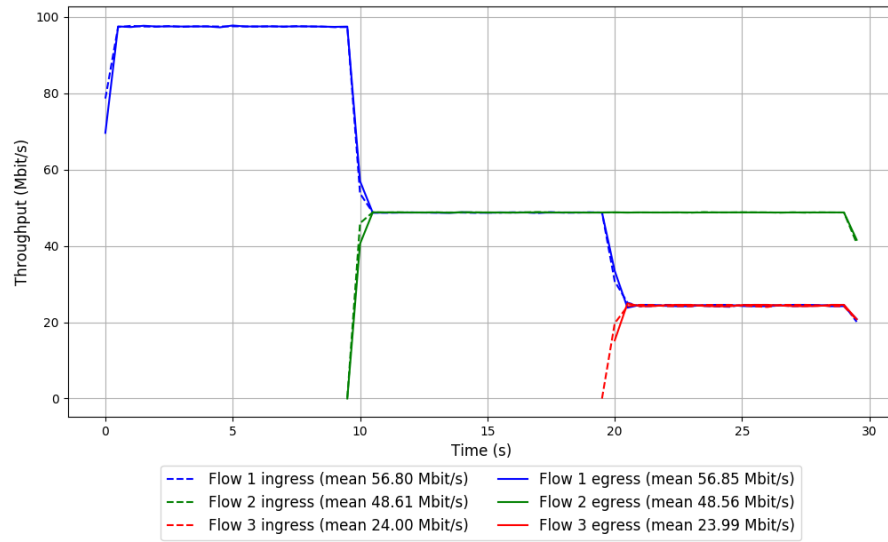


Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 20:19:26  
End at: 2017-11-30 20:19:56  
Local clock offset: 2.598 ms  
Remote clock offset: -20.268 ms

# Below is generated by plot.py at 2017-11-30 23:39:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 80.466 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.85 Mbit/s  
95th percentile per-packet one-way delay: 80.410 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.56 Mbit/s  
95th percentile per-packet one-way delay: 57.889 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 23.99 Mbit/s  
95th percentile per-packet one-way delay: 80.778 ms  
Loss rate: 0.73%

# Run 9: Report of TCP Cubic — Data Link

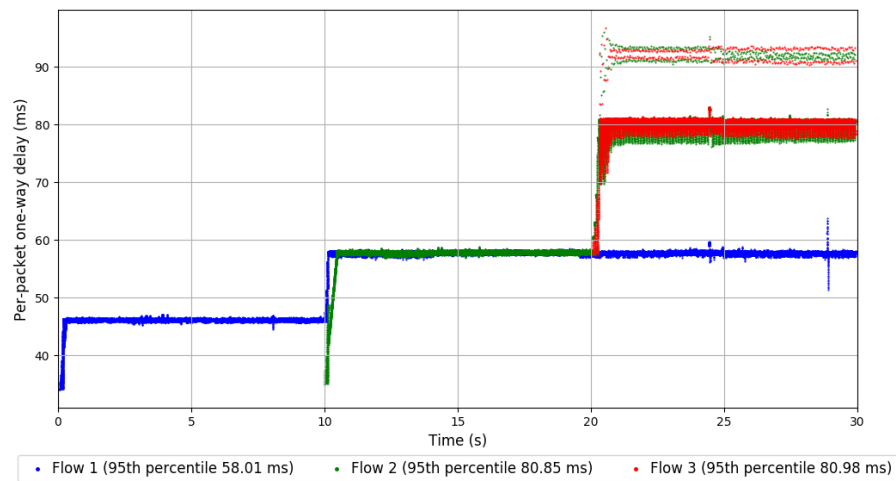
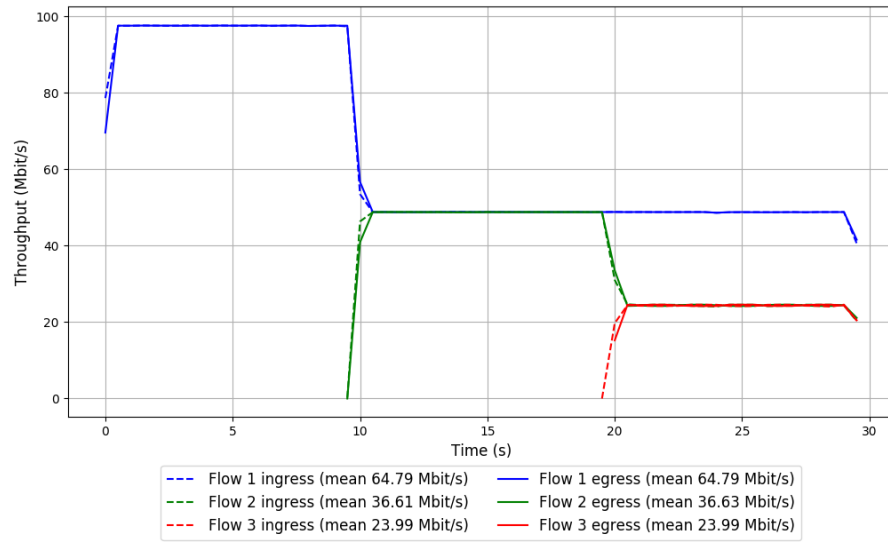


Run 10: Statistics of TCP Cubic

Start at: 2017-11-30 20:36:19  
End at: 2017-11-30 20:36:49  
Local clock offset: 4.122 ms  
Remote clock offset: -18.318 ms

# Below is generated by plot.py at 2017-11-30 23:39:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.16 Mbit/s  
95th percentile per-packet one-way delay: 80.717 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 64.79 Mbit/s  
95th percentile per-packet one-way delay: 58.013 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 36.63 Mbit/s  
95th percentile per-packet one-way delay: 80.846 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 23.99 Mbit/s  
95th percentile per-packet one-way delay: 80.981 ms  
Loss rate: 0.73%

# Run 10: Report of TCP Cubic — Data Link



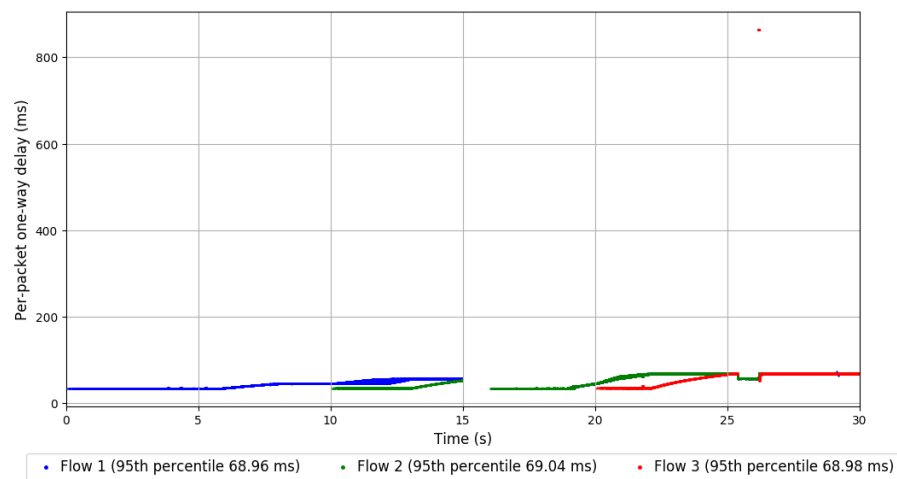
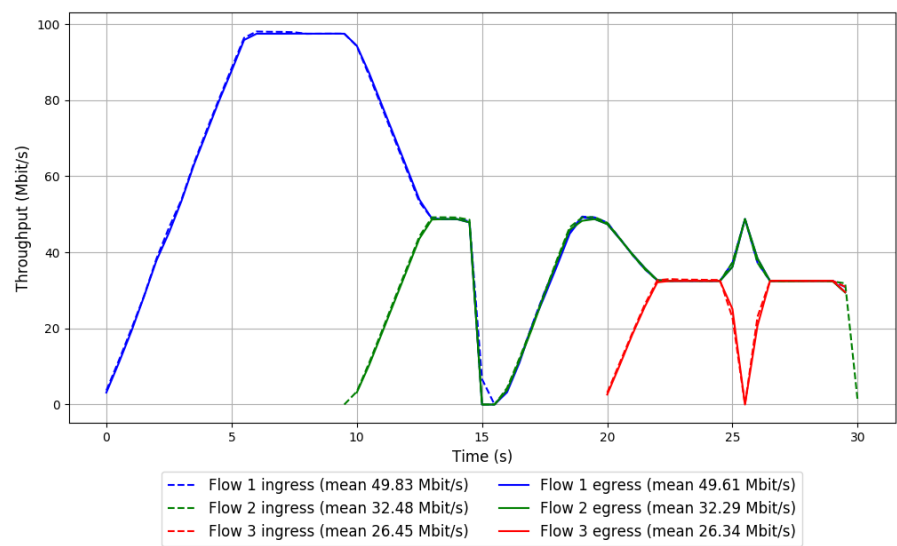
```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 17:53:07
End at: 2017-11-30 17:53:37
Local clock offset: 4.094 ms
Remote clock offset: -20.509 ms

# Below is generated by plot.py at 2017-11-30 23:39:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.83 Mbit/s
95th percentile per-packet one-way delay: 68.991 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 49.61 Mbit/s
95th percentile per-packet one-way delay: 68.957 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 69.044 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 68.977 ms
Loss rate: 1.12%
```



Run 1: Report of LEDBAT — Data Link

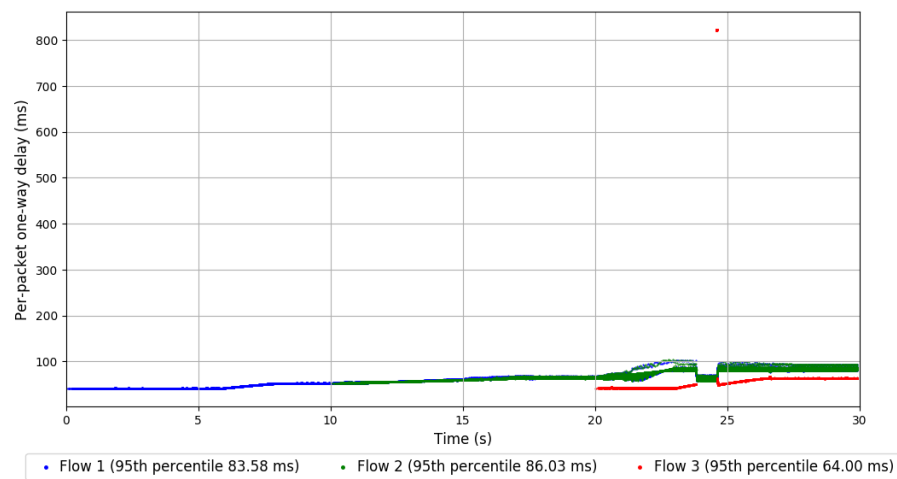
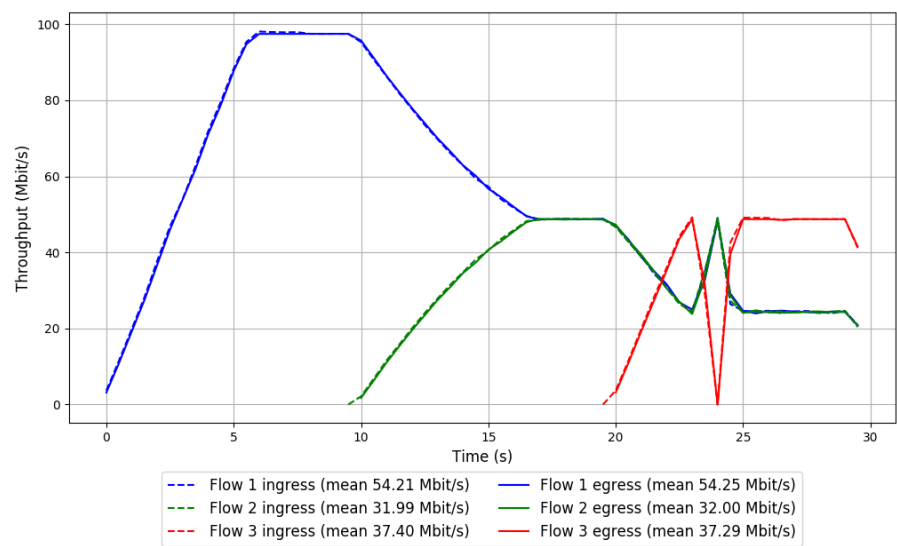


Run 2: Statistics of LEDBAT

Start at: 2017-11-30 18:10:33  
End at: 2017-11-30 18:11:03  
Local clock offset: 8.599 ms  
Remote clock offset: -22.57 ms

# Below is generated by plot.py at 2017-11-30 23:39:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.93 Mbit/s  
95th percentile per-packet one-way delay: 84.379 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 54.25 Mbit/s  
95th percentile per-packet one-way delay: 83.579 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 32.00 Mbit/s  
95th percentile per-packet one-way delay: 86.028 ms  
Loss rate: 0.32%  
-- Flow 3:  
Average throughput: 37.29 Mbit/s  
95th percentile per-packet one-way delay: 64.002 ms  
Loss rate: 0.79%

Run 2: Report of LEDBAT — Data Link

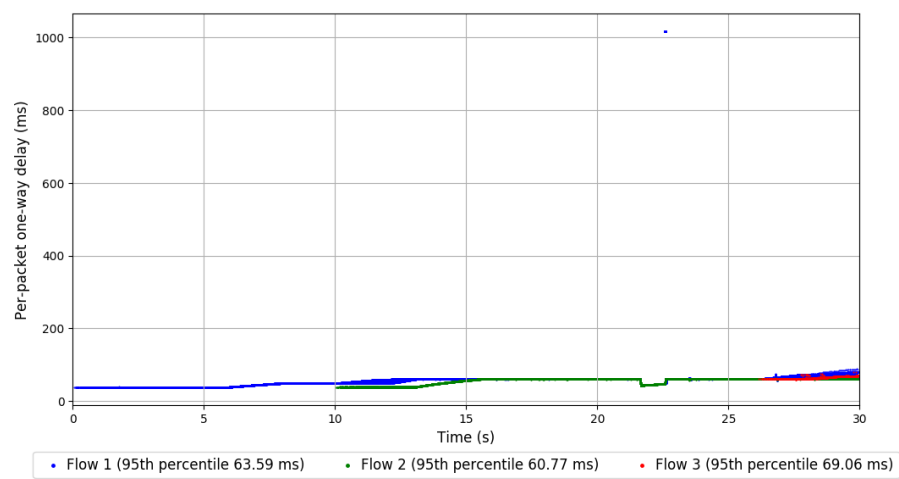
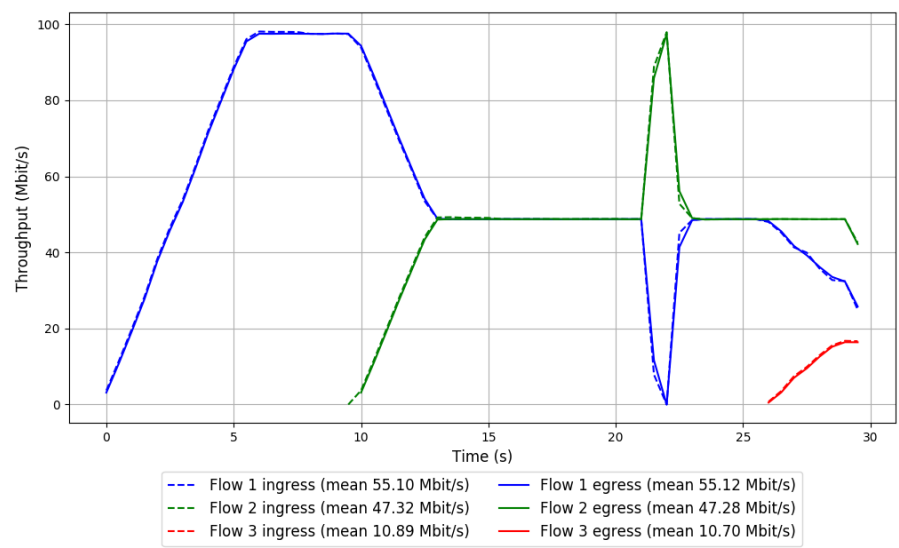


Run 3: Statistics of LEDBAT

Start at: 2017-11-30 18:28:03  
End at: 2017-11-30 18:28:33  
Local clock offset: 6.545 ms  
Remote clock offset: -21.299 ms

# Below is generated by plot.py at 2017-11-30 23:39:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.98 Mbit/s  
95th percentile per-packet one-way delay: 61.247 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 55.12 Mbit/s  
95th percentile per-packet one-way delay: 63.592 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 47.28 Mbit/s  
95th percentile per-packet one-way delay: 60.768 ms  
Loss rate: 0.33%  
-- Flow 3:  
Average throughput: 10.70 Mbit/s  
95th percentile per-packet one-way delay: 69.061 ms  
Loss rate: 3.31%

Run 3: Report of LEDBAT — Data Link

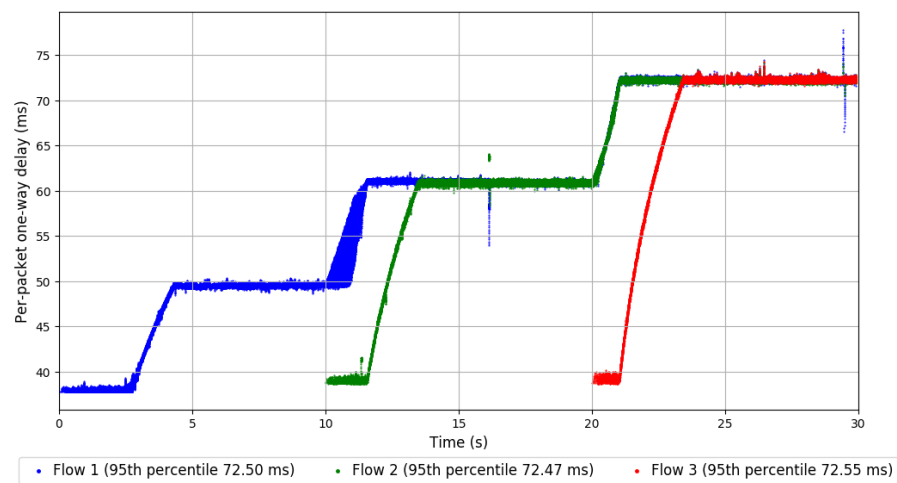
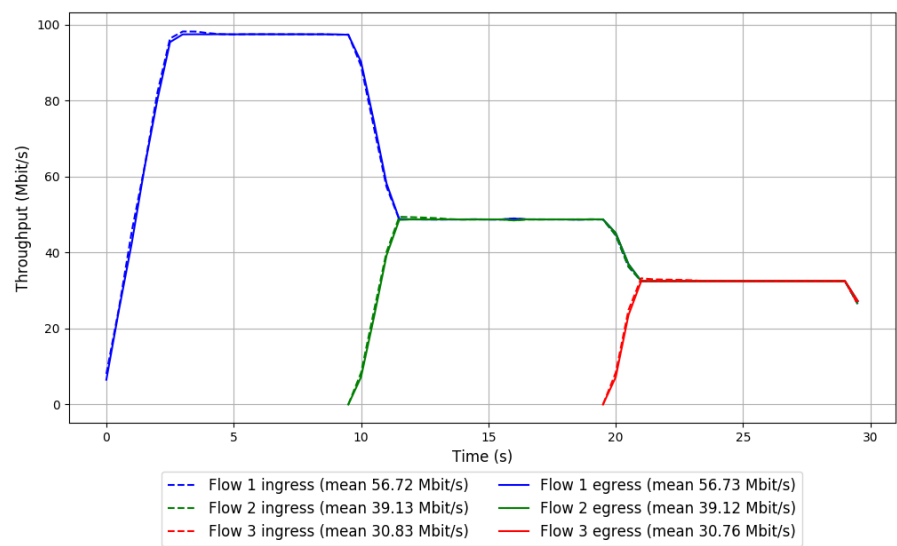


Run 4: Statistics of LEDBAT

Start at: 2017-11-30 18:45:20  
End at: 2017-11-30 18:45:50  
Local clock offset: 7.264 ms  
Remote clock offset: -21.118 ms

# Below is generated by plot.py at 2017-11-30 23:39:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.03 Mbit/s  
95th percentile per-packet one-way delay: 72.507 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 56.73 Mbit/s  
95th percentile per-packet one-way delay: 72.498 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 39.12 Mbit/s  
95th percentile per-packet one-way delay: 72.470 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 30.76 Mbit/s  
95th percentile per-packet one-way delay: 72.547 ms  
Loss rate: 0.64%

Run 4: Report of LEDBAT — Data Link



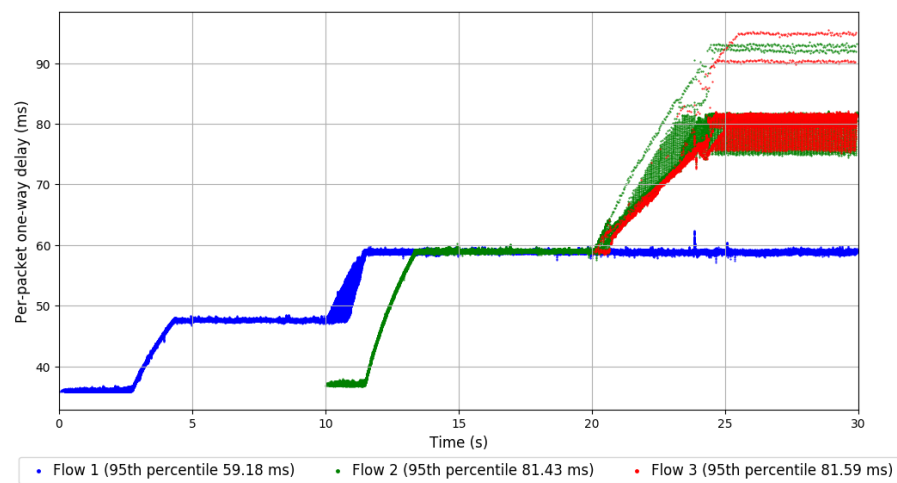
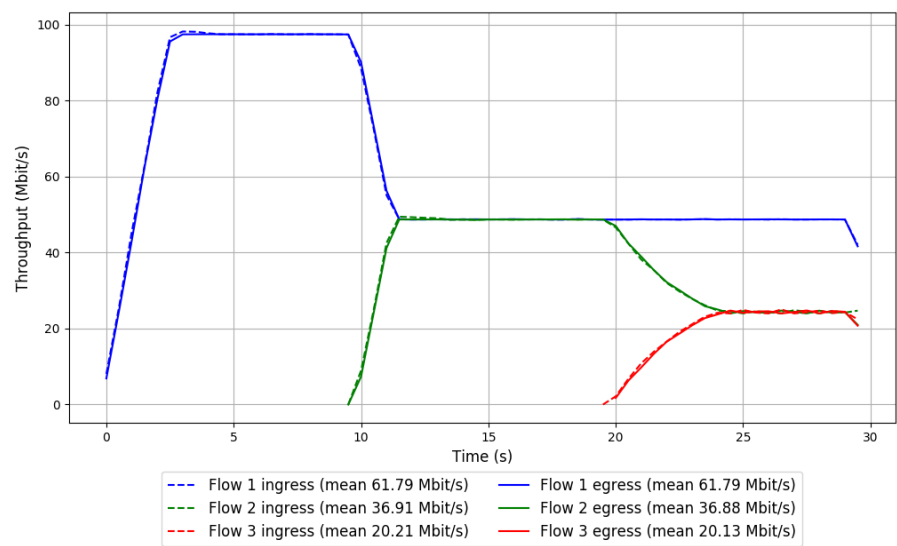
Run 5: Statistics of LEDBAT

Start at: 2017-11-30 19:02:33  
End at: 2017-11-30 19:03:03  
Local clock offset: 6.984 ms  
Remote clock offset: -19.888 ms

# Below is generated by plot.py at 2017-11-30 23:39:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.04 Mbit/s  
95th percentile per-packet one-way delay: 81.191 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 61.79 Mbit/s  
95th percentile per-packet one-way delay: 59.177 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 36.88 Mbit/s  
95th percentile per-packet one-way delay: 81.432 ms  
Loss rate: 0.53%  
-- Flow 3:  
Average throughput: 20.13 Mbit/s  
95th percentile per-packet one-way delay: 81.594 ms  
Loss rate: 1.32%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

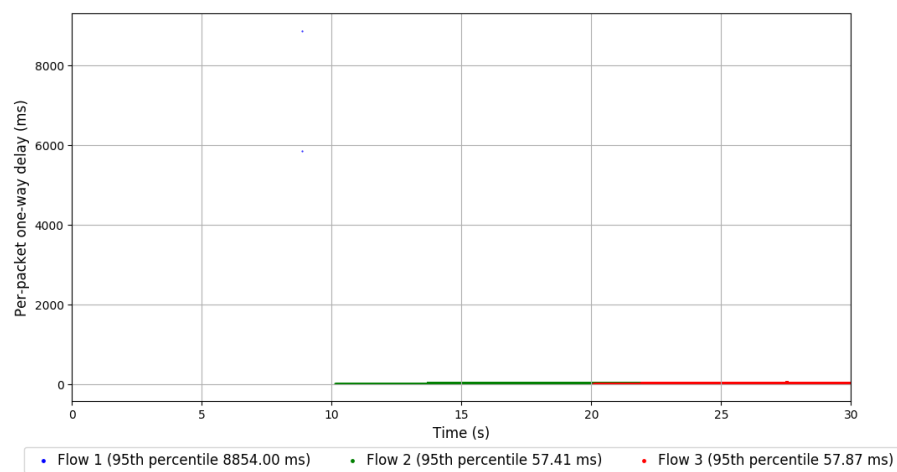
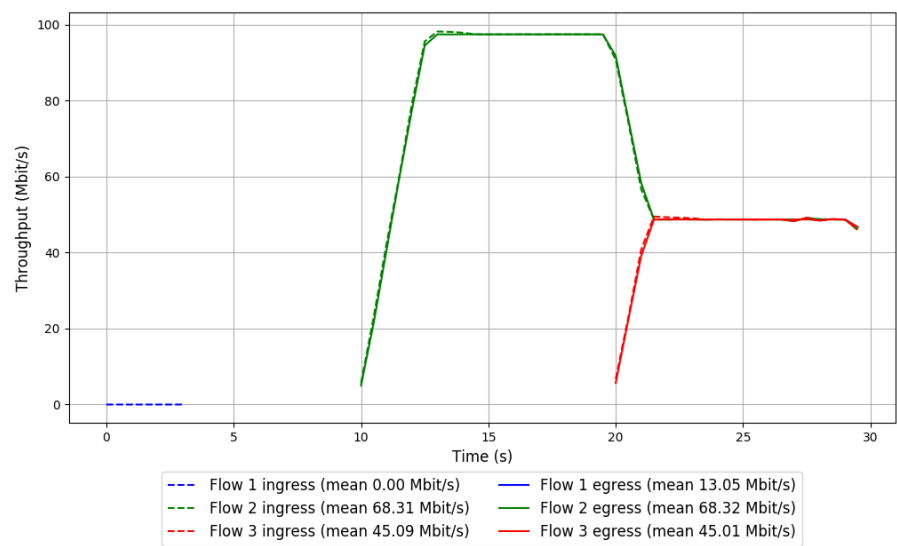
Start at: 2017-11-30 19:19:37

End at: 2017-11-30 19:20:07

Local clock offset: 5.442 ms

Remote clock offset: -19.873 ms

Run 6: Report of LEDBAT — Data Link

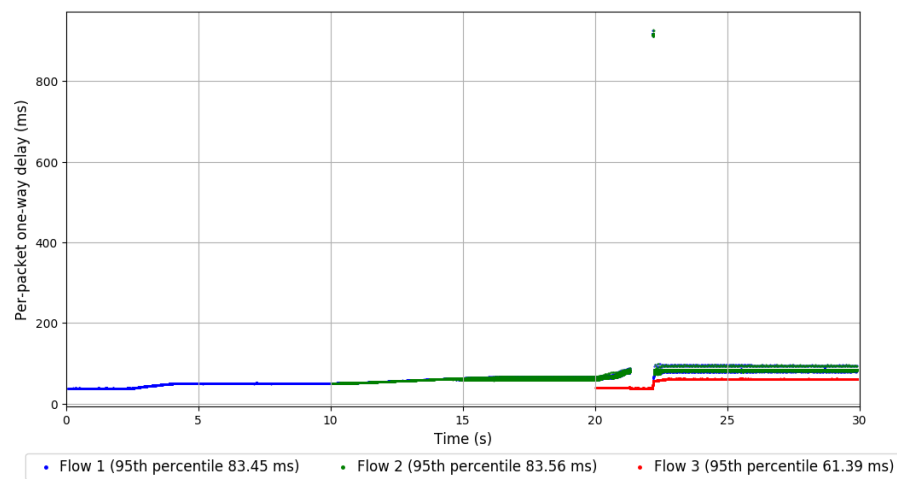
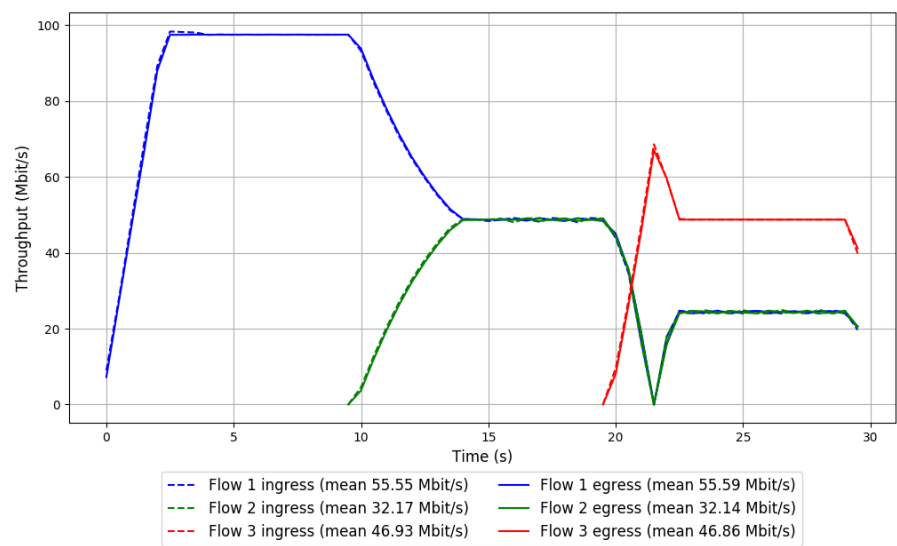


Run 7: Statistics of LEDBAT

Start at: 2017-11-30 19:36:48  
End at: 2017-11-30 19:37:18  
Local clock offset: 8.502 ms  
Remote clock offset: -21.824 ms

# Below is generated by plot.py at 2017-11-30 23:40:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.57 Mbit/s  
95th percentile per-packet one-way delay: 83.479 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 55.59 Mbit/s  
95th percentile per-packet one-way delay: 83.447 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 32.14 Mbit/s  
95th percentile per-packet one-way delay: 83.565 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 46.86 Mbit/s  
95th percentile per-packet one-way delay: 61.391 ms  
Loss rate: 0.50%

Run 7: Report of LEDBAT — Data Link

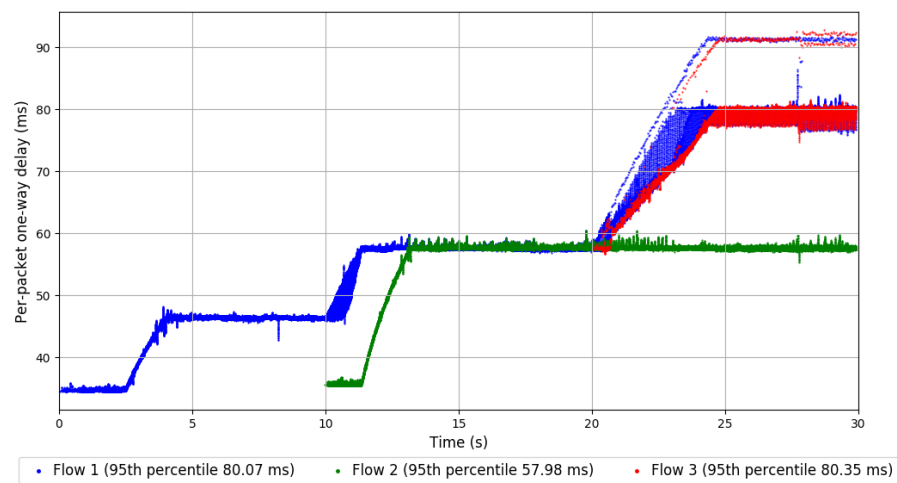
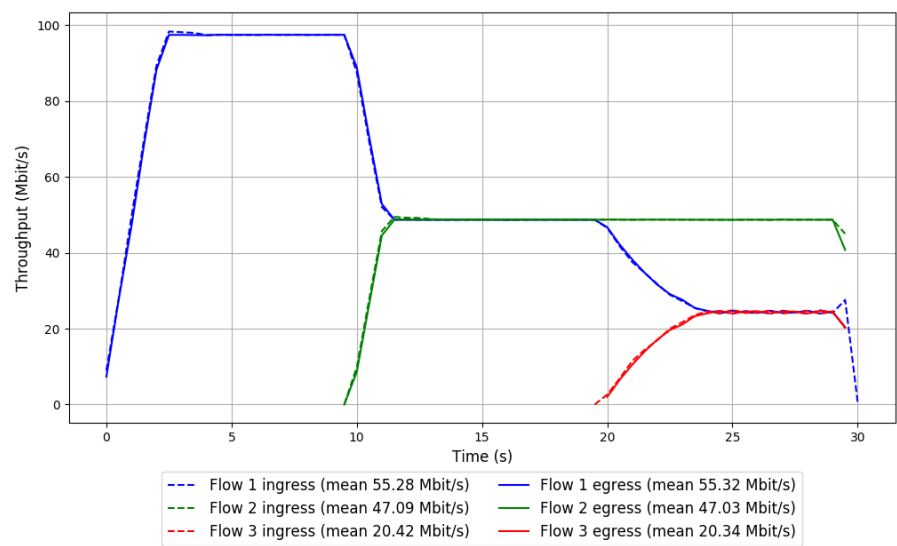


Run 8: Statistics of LEDBAT

Start at: 2017-11-30 19:54:14  
End at: 2017-11-30 19:54:44  
Local clock offset: 4.223 ms  
Remote clock offset: -21.138 ms

# Below is generated by plot.py at 2017-11-30 23:40:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.42 Mbit/s  
95th percentile per-packet one-way delay: 80.090 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 55.32 Mbit/s  
95th percentile per-packet one-way delay: 80.072 ms  
Loss rate: 0.35%  
-- Flow 2:  
Average throughput: 47.03 Mbit/s  
95th percentile per-packet one-way delay: 57.978 ms  
Loss rate: 0.53%  
-- Flow 3:  
Average throughput: 20.34 Mbit/s  
95th percentile per-packet one-way delay: 80.346 ms  
Loss rate: 0.88%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-11-30 20:11:40  
End at: 2017-11-30 20:12:10  
Local clock offset: 6.179 ms  
Remote clock offset: -23.323 ms



Run 9: Report of LEDBAT — Data Link

Figure is missing

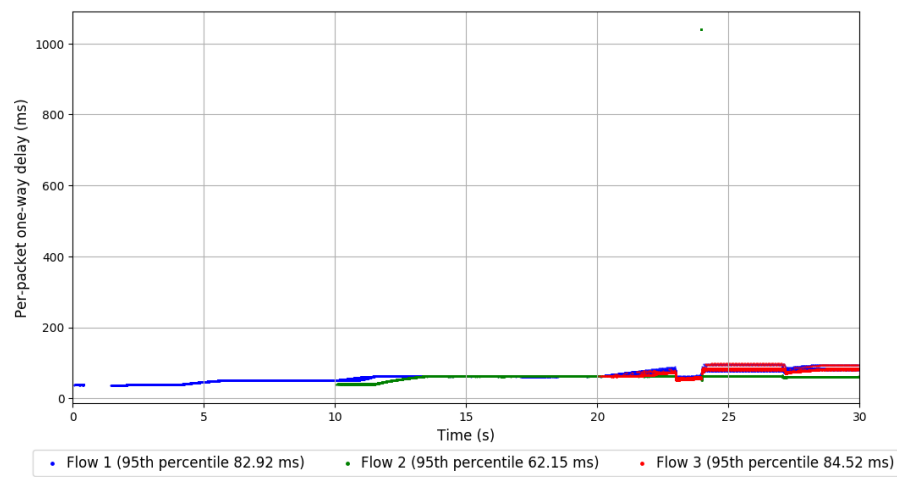
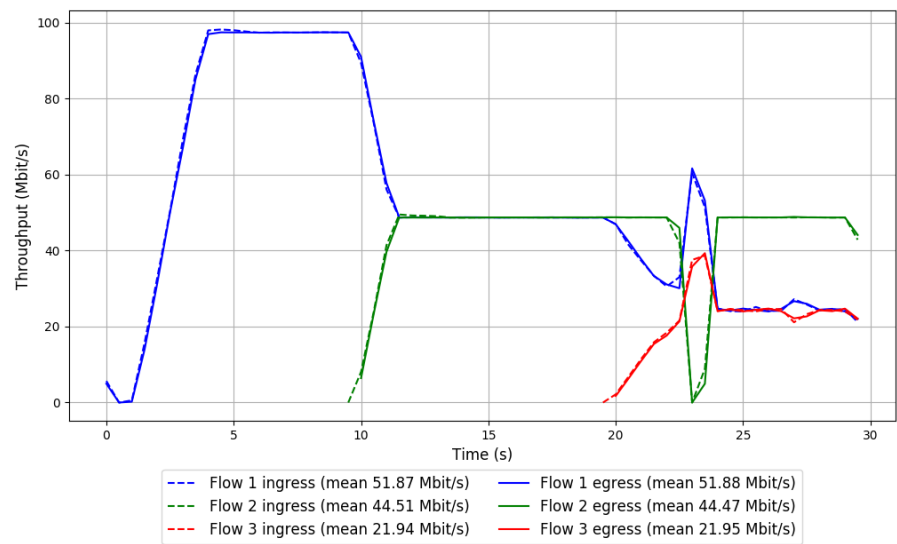
Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2017-11-30 20:29:00  
End at: 2017-11-30 20:29:30  
Local clock offset: 4.771 ms  
Remote clock offset: -21.036 ms

# Below is generated by plot.py at 2017-11-30 23:40:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.78 Mbit/s  
95th percentile per-packet one-way delay: 83.042 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 51.88 Mbit/s  
95th percentile per-packet one-way delay: 82.916 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 44.47 Mbit/s  
95th percentile per-packet one-way delay: 62.145 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 21.95 Mbit/s  
95th percentile per-packet one-way delay: 84.522 ms  
Loss rate: 0.76%

Run 10: Report of LEDBAT — Data Link

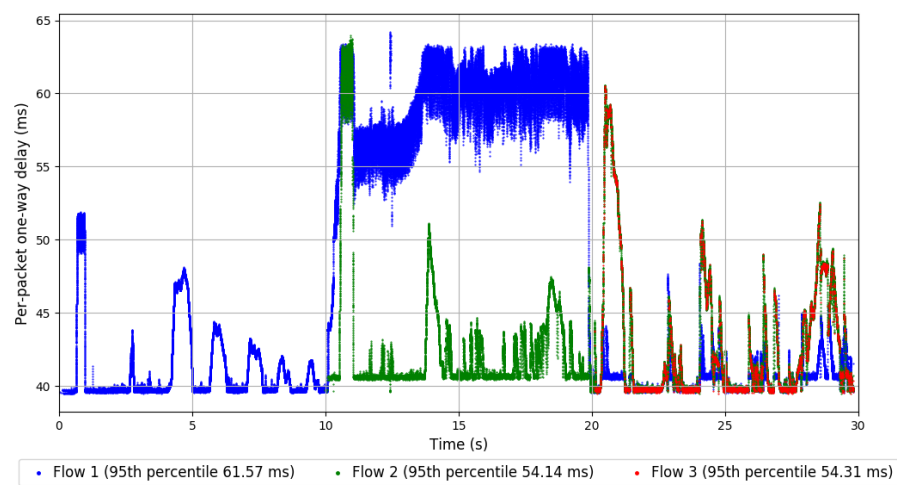
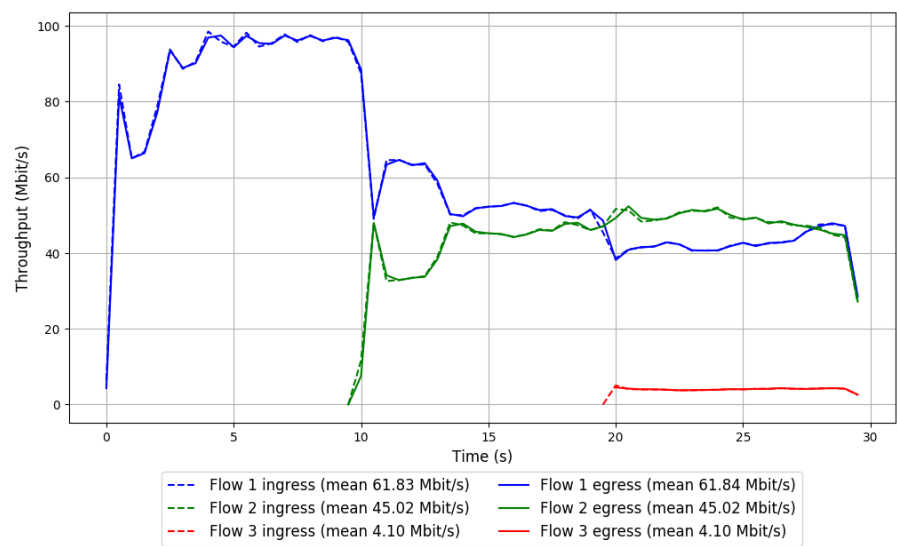


Run 1: Statistics of PCC

Start at: 2017-11-30 17:54:25  
End at: 2017-11-30 17:54:55  
Local clock offset: 8.129 ms  
Remote clock offset: -21.801 ms

# Below is generated by plot.py at 2017-11-30 23:40:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.17 Mbit/s  
95th percentile per-packet one-way delay: 61.147 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 61.84 Mbit/s  
95th percentile per-packet one-way delay: 61.569 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 45.02 Mbit/s  
95th percentile per-packet one-way delay: 54.137 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 4.10 Mbit/s  
95th percentile per-packet one-way delay: 54.306 ms  
Loss rate: 0.38%

Run 1: Report of PCC — Data Link

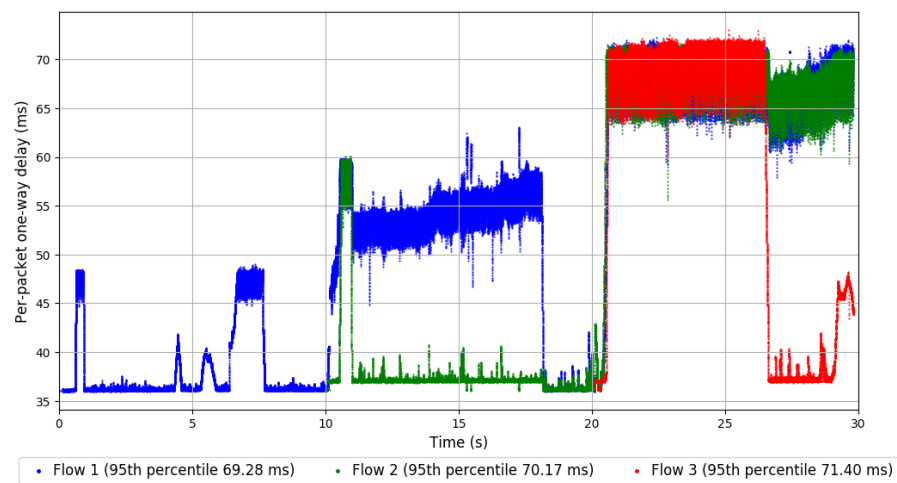
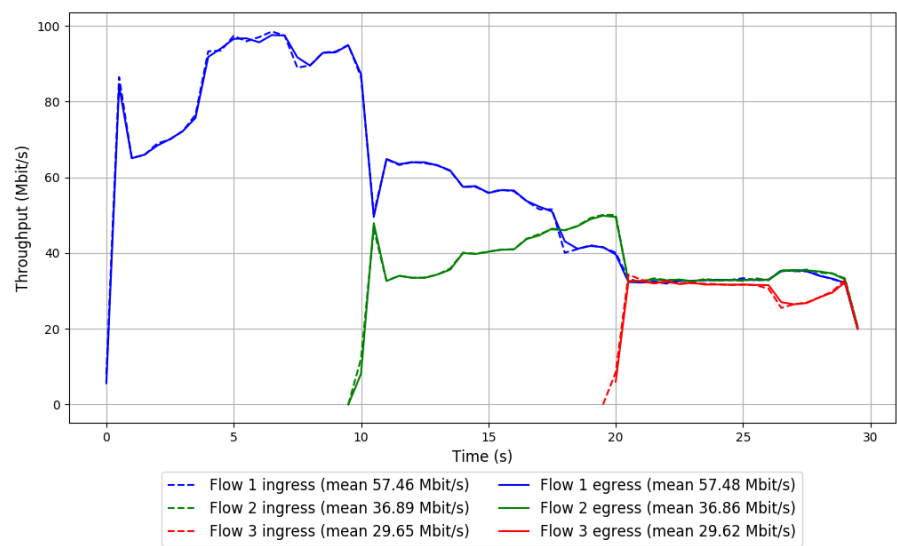


Run 2: Statistics of PCC

Start at: 2017-11-30 18:11:50  
End at: 2017-11-30 18:12:20  
Local clock offset: 4.959 ms  
Remote clock offset: -21.547 ms

# Below is generated by plot.py at 2017-11-30 23:40:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.76 Mbit/s  
95th percentile per-packet one-way delay: 70.213 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 57.48 Mbit/s  
95th percentile per-packet one-way delay: 69.281 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 36.86 Mbit/s  
95th percentile per-packet one-way delay: 70.173 ms  
Loss rate: 0.31%  
-- Flow 3:  
Average throughput: 29.62 Mbit/s  
95th percentile per-packet one-way delay: 71.400 ms  
Loss rate: 0.48%

Run 2: Report of PCC — Data Link



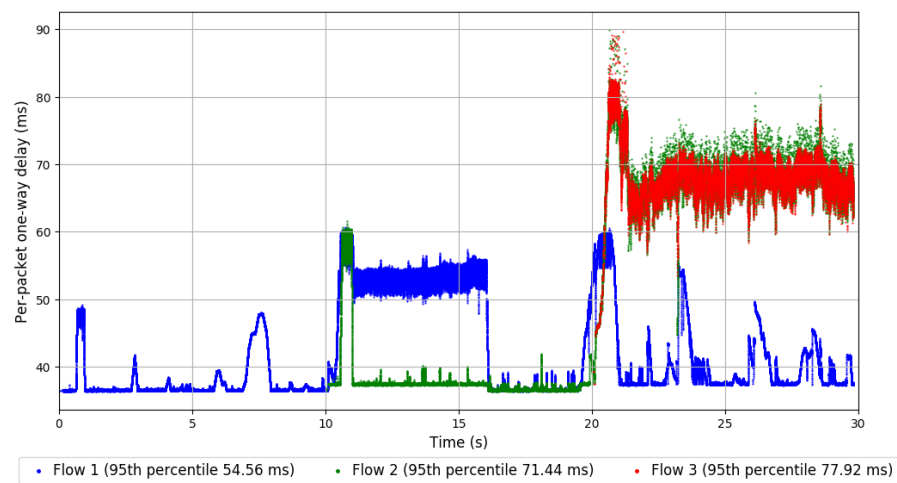
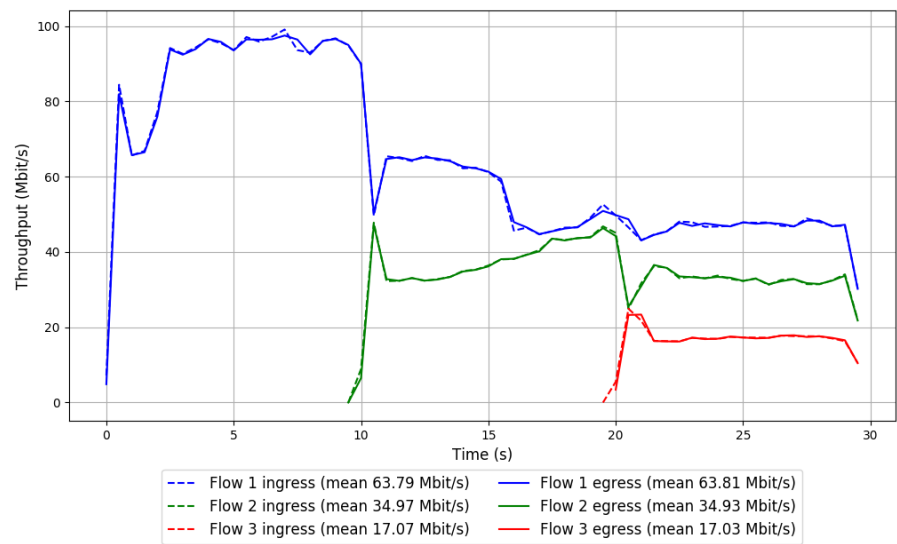
Run 3: Statistics of PCC

Start at: 2017-11-30 18:29:27  
End at: 2017-11-30 18:29:57  
Local clock offset: 5.599 ms  
Remote clock offset: -21.354 ms

# Below is generated by plot.py at 2017-11-30 23:40:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.66 Mbit/s  
95th percentile per-packet one-way delay: 69.576 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 63.81 Mbit/s  
95th percentile per-packet one-way delay: 54.557 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 34.93 Mbit/s  
95th percentile per-packet one-way delay: 71.440 ms  
Loss rate: 0.35%  
-- Flow 3:  
Average throughput: 17.03 Mbit/s  
95th percentile per-packet one-way delay: 77.922 ms  
Loss rate: 0.63%



Run 3: Report of PCC — Data Link

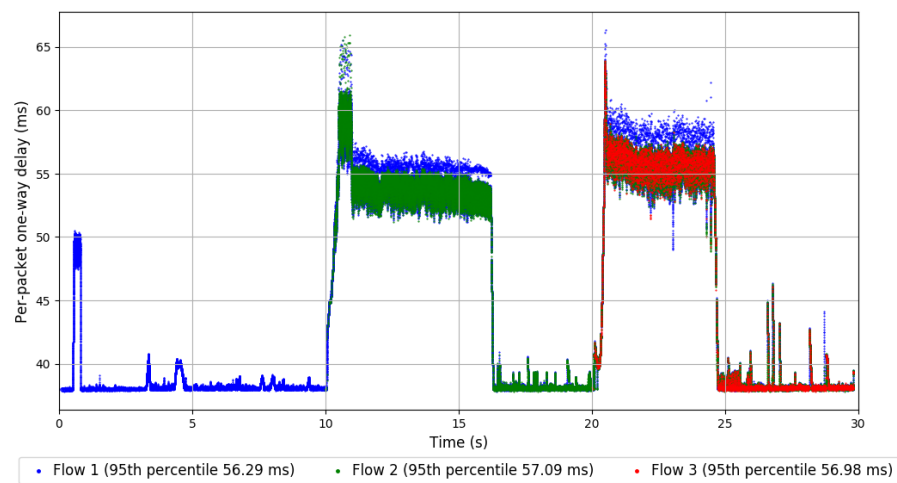
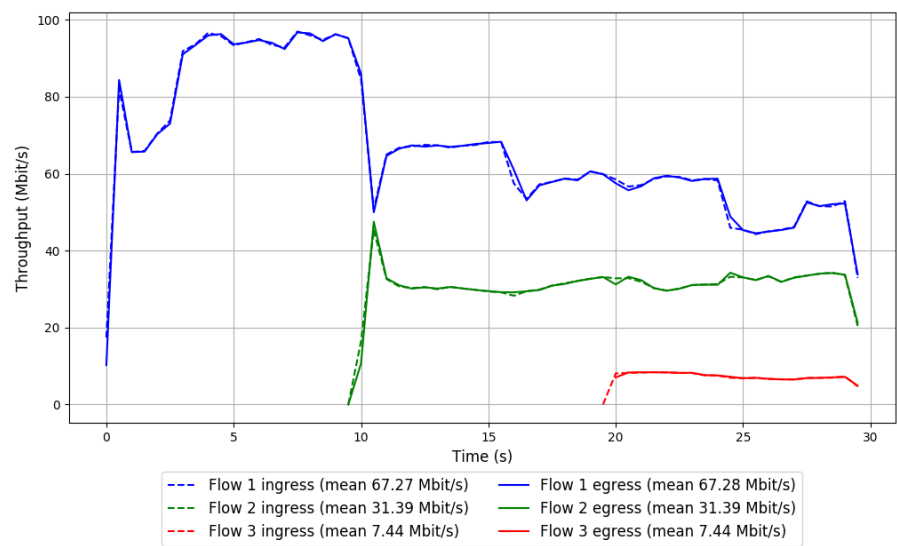


Run 4: Statistics of PCC

Start at: 2017-11-30 18:46:32  
End at: 2017-11-30 18:47:02  
Local clock offset: 6.334 ms  
Remote clock offset: -22.278 ms

# Below is generated by plot.py at 2017-11-30 23:40:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.63 Mbit/s  
95th percentile per-packet one-way delay: 56.547 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 67.28 Mbit/s  
95th percentile per-packet one-way delay: 56.290 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 31.39 Mbit/s  
95th percentile per-packet one-way delay: 57.091 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 7.44 Mbit/s  
95th percentile per-packet one-way delay: 56.982 ms  
Loss rate: 0.28%

Run 4: Report of PCC — Data Link

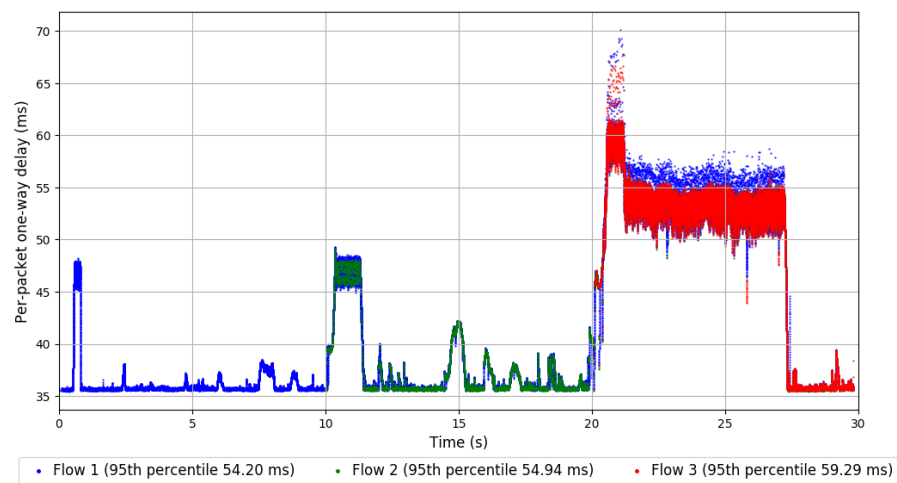
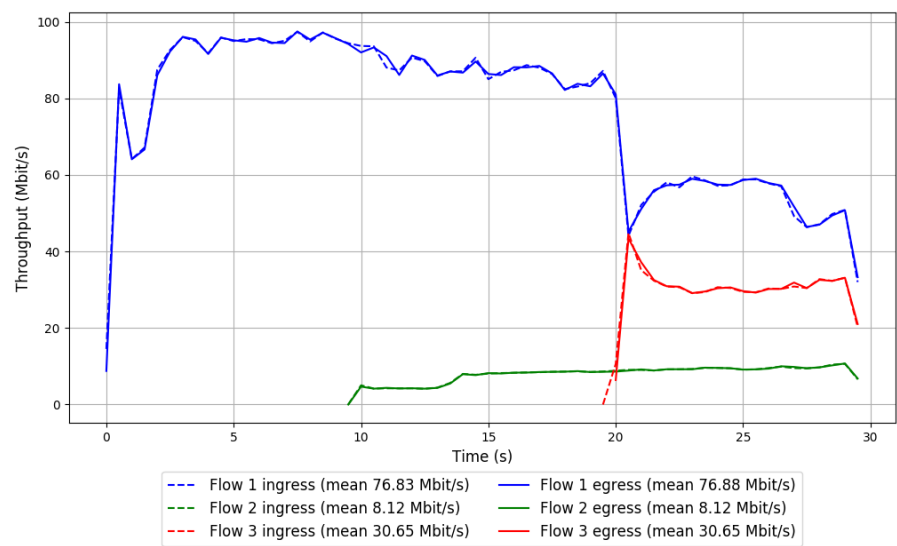


Run 5: Statistics of PCC

Start at: 2017-11-30 19:03:53  
End at: 2017-11-30 19:04:23  
Local clock offset: 5.448 ms  
Remote clock offset: -21.248 ms

# Below is generated by plot.py at 2017-11-30 23:41:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.38 Mbit/s  
95th percentile per-packet one-way delay: 54.586 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 76.88 Mbit/s  
95th percentile per-packet one-way delay: 54.198 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 8.12 Mbit/s  
95th percentile per-packet one-way delay: 54.943 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 30.65 Mbit/s  
95th percentile per-packet one-way delay: 59.287 ms  
Loss rate: 0.27%

Run 5: Report of PCC — Data Link

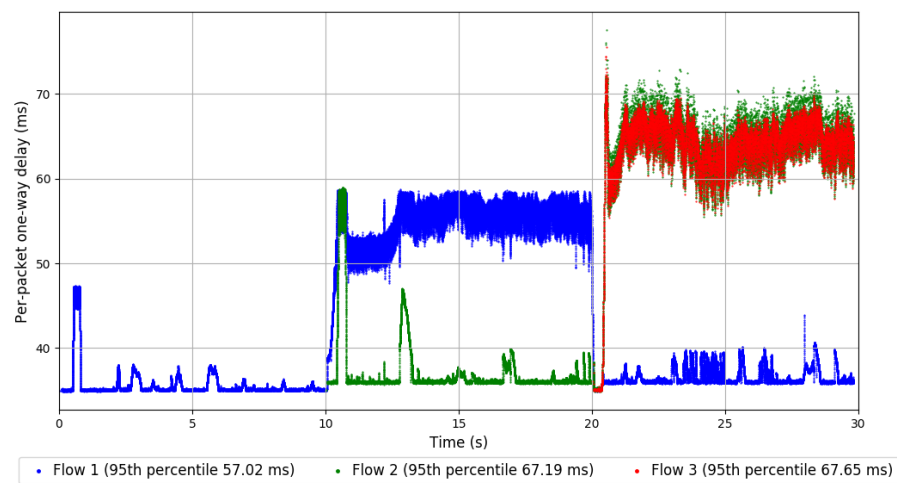
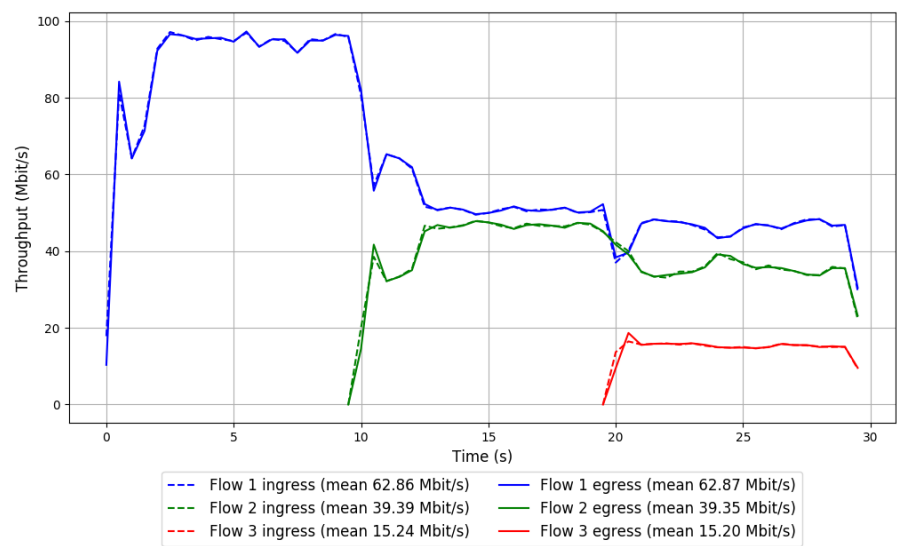


Run 6: Statistics of PCC

Start at: 2017-11-30 19:20:56  
End at: 2017-11-30 19:21:26  
Local clock offset: 5.967 ms  
Remote clock offset: -20.447 ms

# Below is generated by plot.py at 2017-11-30 23:41:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.08 Mbit/s  
95th percentile per-packet one-way delay: 65.764 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 62.87 Mbit/s  
95th percentile per-packet one-way delay: 57.021 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 39.35 Mbit/s  
95th percentile per-packet one-way delay: 67.185 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 15.20 Mbit/s  
95th percentile per-packet one-way delay: 67.646 ms  
Loss rate: 0.55%

Run 6: Report of PCC — Data Link



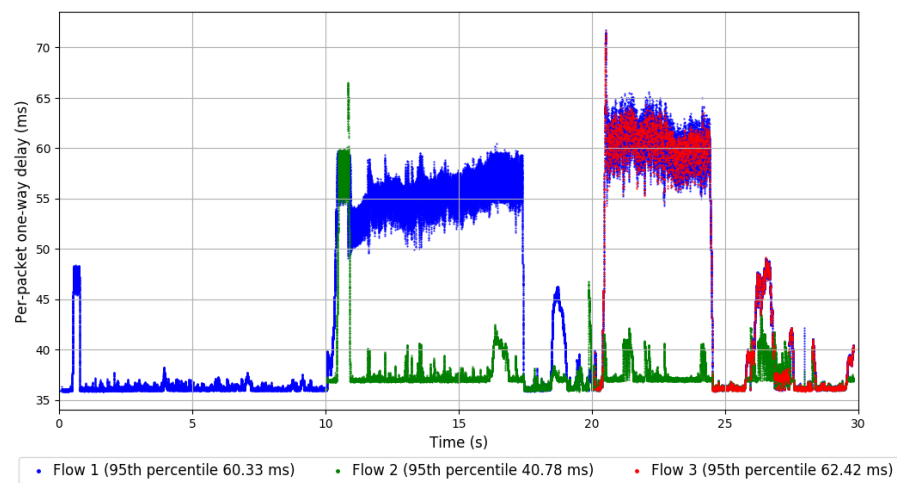
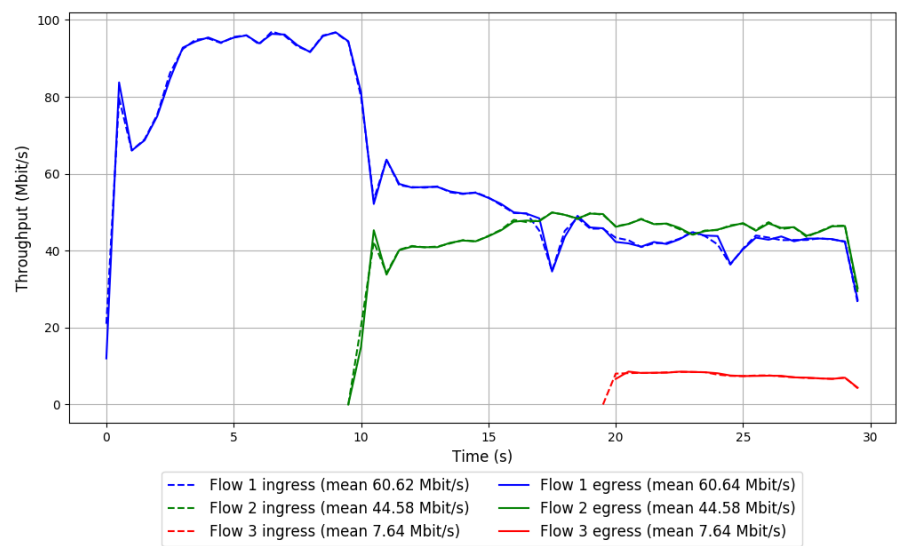
Run 7: Statistics of PCC

Start at: 2017-11-30 19:38:06  
End at: 2017-11-30 19:38:36  
Local clock offset: 6.902 ms  
Remote clock offset: -21.378 ms

# Below is generated by plot.py at 2017-11-30 23:41:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.85 Mbit/s  
95th percentile per-packet one-way delay: 59.679 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 60.64 Mbit/s  
95th percentile per-packet one-way delay: 60.330 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 44.58 Mbit/s  
95th percentile per-packet one-way delay: 40.779 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 7.64 Mbit/s  
95th percentile per-packet one-way delay: 62.423 ms  
Loss rate: 0.25%



Run 7: Report of PCC — Data Link

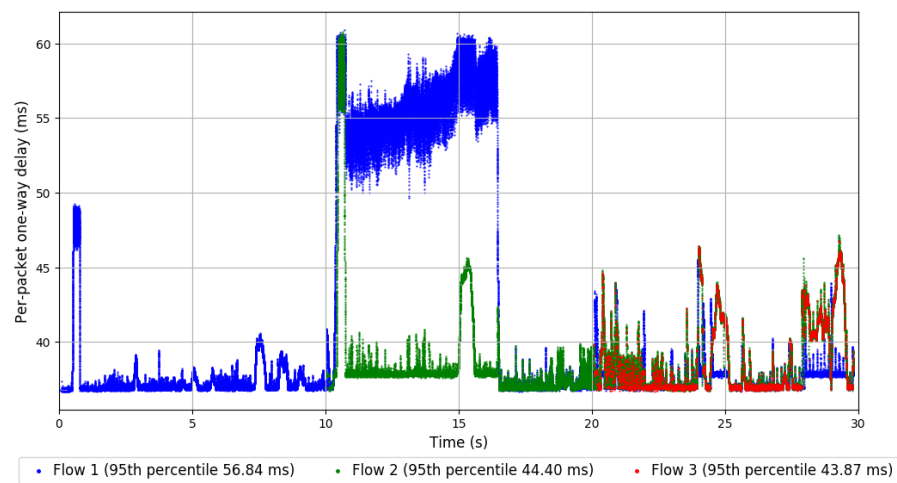
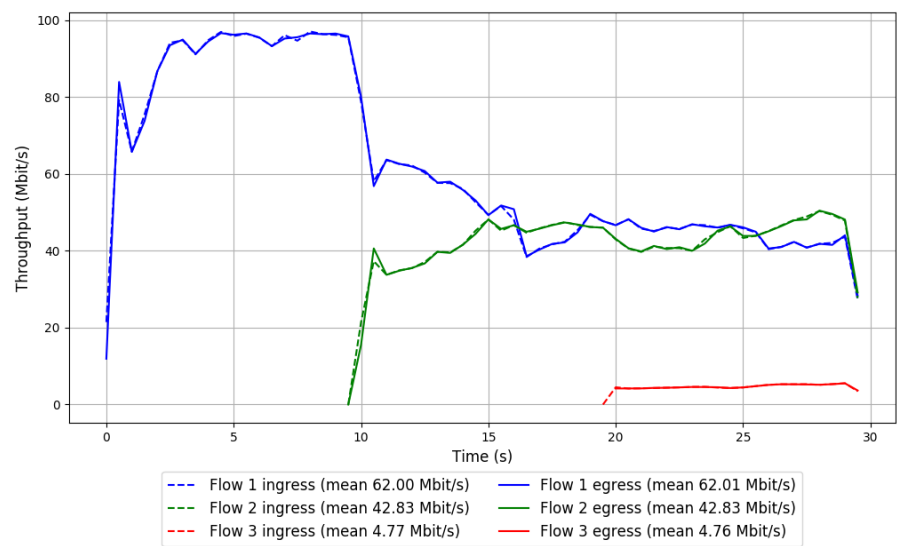


Run 8: Statistics of PCC

Start at: 2017-11-30 19:55:36  
End at: 2017-11-30 19:56:06  
Local clock offset: 3.98 ms  
Remote clock offset: -23.607 ms

# Below is generated by plot.py at 2017-11-30 23:41:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.10 Mbit/s  
95th percentile per-packet one-way delay: 56.148 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 62.01 Mbit/s  
95th percentile per-packet one-way delay: 56.836 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 42.83 Mbit/s  
95th percentile per-packet one-way delay: 44.400 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 4.76 Mbit/s  
95th percentile per-packet one-way delay: 43.873 ms  
Loss rate: 0.31%

Run 8: Report of PCC — Data Link

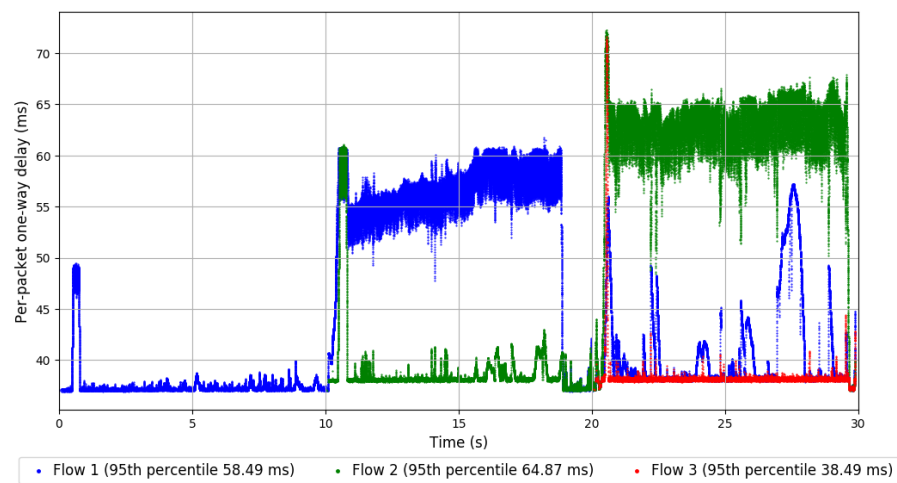
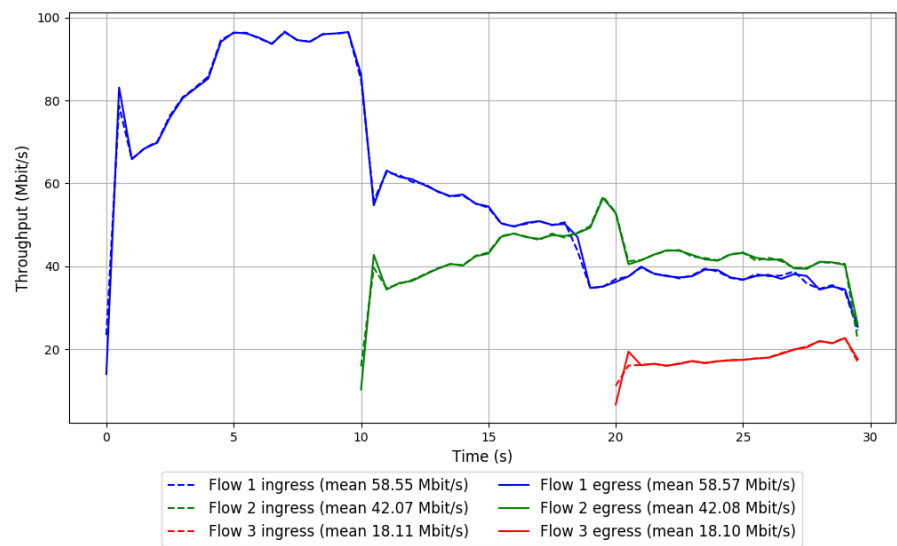


Run 9: Statistics of PCC

Start at: 2017-11-30 20:12:56  
End at: 2017-11-30 20:13:26  
Local clock offset: 5.586 ms  
Remote clock offset: -20.816 ms

# Below is generated by plot.py at 2017-11-30 23:42:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.48 Mbit/s  
95th percentile per-packet one-way delay: 63.428 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 58.57 Mbit/s  
95th percentile per-packet one-way delay: 58.488 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 42.08 Mbit/s  
95th percentile per-packet one-way delay: 64.869 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 18.10 Mbit/s  
95th percentile per-packet one-way delay: 38.490 ms  
Loss rate: 0.32%

Run 9: Report of PCC — Data Link

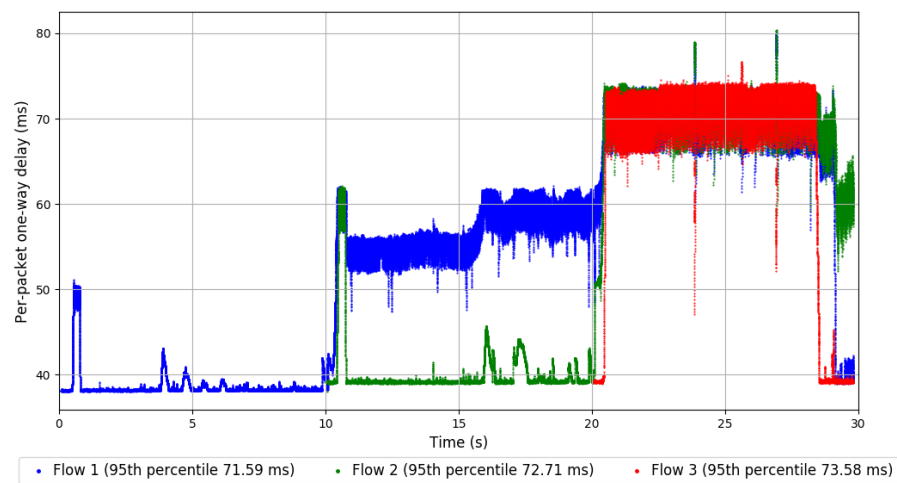
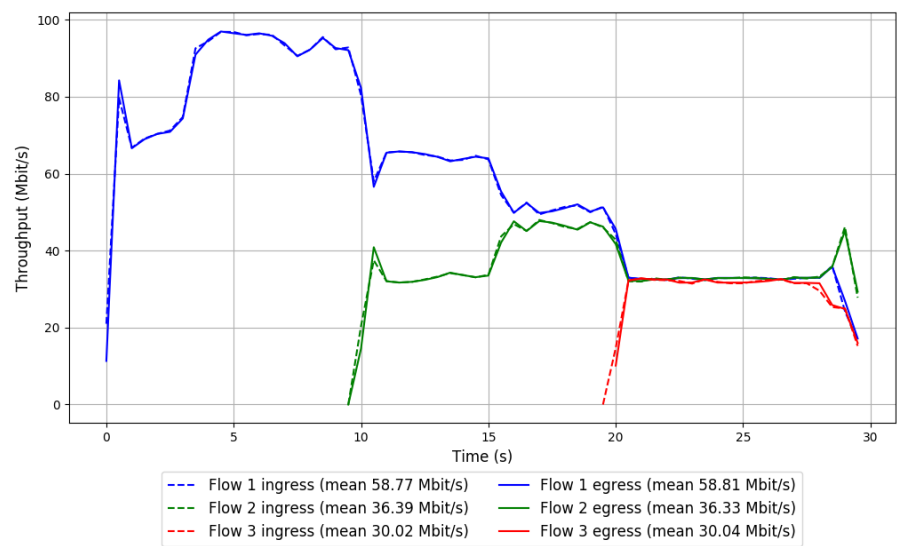


Run 10: Statistics of PCC

Start at: 2017-11-30 20:30:23  
End at: 2017-11-30 20:30:53  
Local clock offset: 4.792 ms  
Remote clock offset: -21.718 ms

# Below is generated by plot.py at 2017-11-30 23:42:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.89 Mbit/s  
95th percentile per-packet one-way delay: 72.562 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 58.81 Mbit/s  
95th percentile per-packet one-way delay: 71.591 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 36.33 Mbit/s  
95th percentile per-packet one-way delay: 72.711 ms  
Loss rate: 0.30%  
-- Flow 3:  
Average throughput: 30.04 Mbit/s  
95th percentile per-packet one-way delay: 73.582 ms  
Loss rate: 0.21%

Run 10: Report of PCC — Data Link



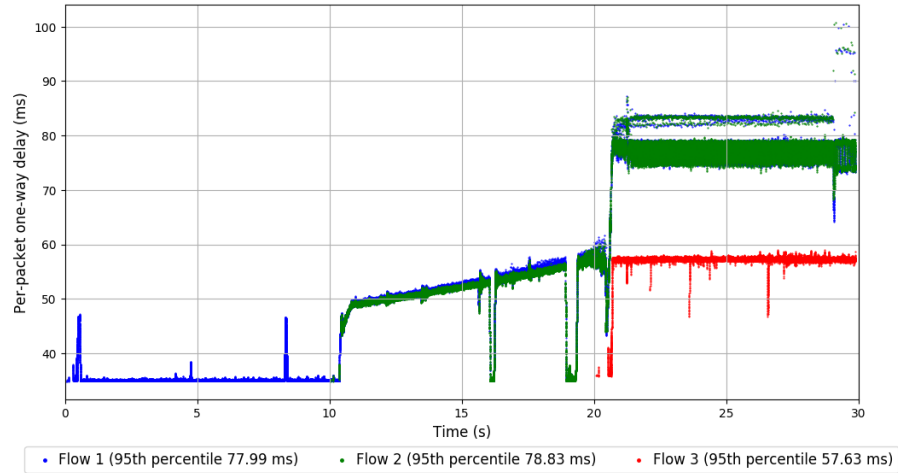
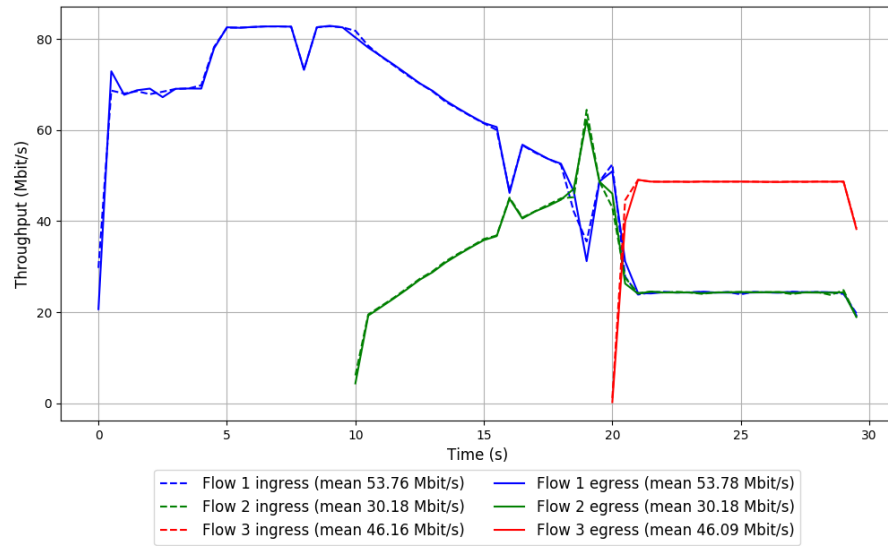
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 18:02:59  
End at: 2017-11-30 18:03:29  
Local clock offset: 4.918 ms  
Remote clock offset: -20.678 ms

# Below is generated by plot.py at 2017-11-30 23:42:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.01 Mbit/s  
95th percentile per-packet one-way delay: 78.215 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 53.78 Mbit/s  
95th percentile per-packet one-way delay: 77.991 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 30.18 Mbit/s  
95th percentile per-packet one-way delay: 78.827 ms  
Loss rate: 0.32%  
-- Flow 3:  
Average throughput: 46.09 Mbit/s  
95th percentile per-packet one-way delay: 57.630 ms  
Loss rate: 0.64%



## Run 1: Report of QUIC Cubic — Data Link

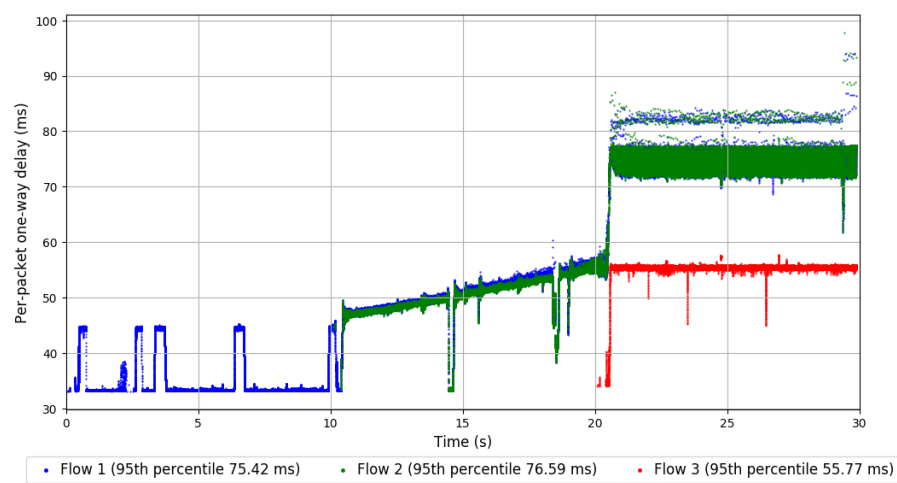
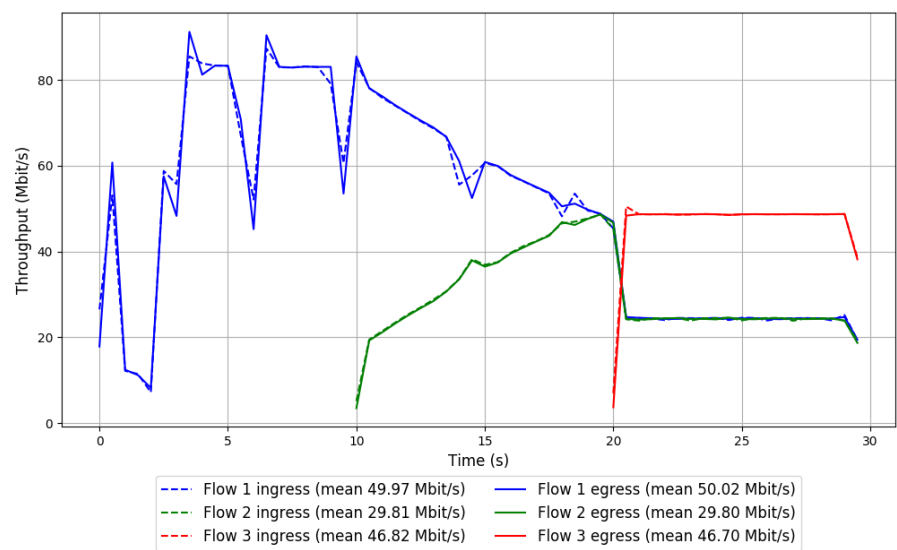


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 18:20:34  
End at: 2017-11-30 18:21:04  
Local clock offset: 2.814 ms  
Remote clock offset: -20.704 ms

# Below is generated by plot.py at 2017-11-30 23:42:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.18 Mbit/s  
95th percentile per-packet one-way delay: 75.713 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 50.02 Mbit/s  
95th percentile per-packet one-way delay: 75.417 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 29.80 Mbit/s  
95th percentile per-packet one-way delay: 76.589 ms  
Loss rate: 0.36%  
-- Flow 3:  
Average throughput: 46.70 Mbit/s  
95th percentile per-packet one-way delay: 55.768 ms  
Loss rate: 0.63%

Run 2: Report of QUIC Cubic — Data Link

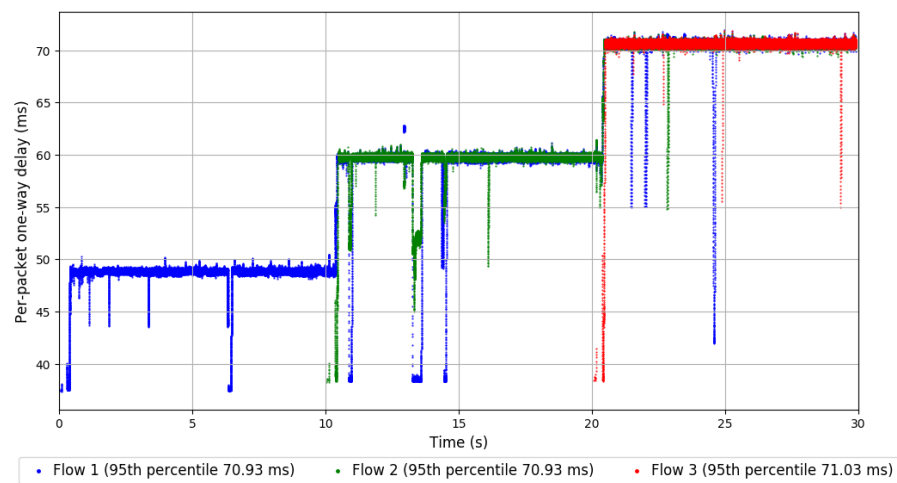
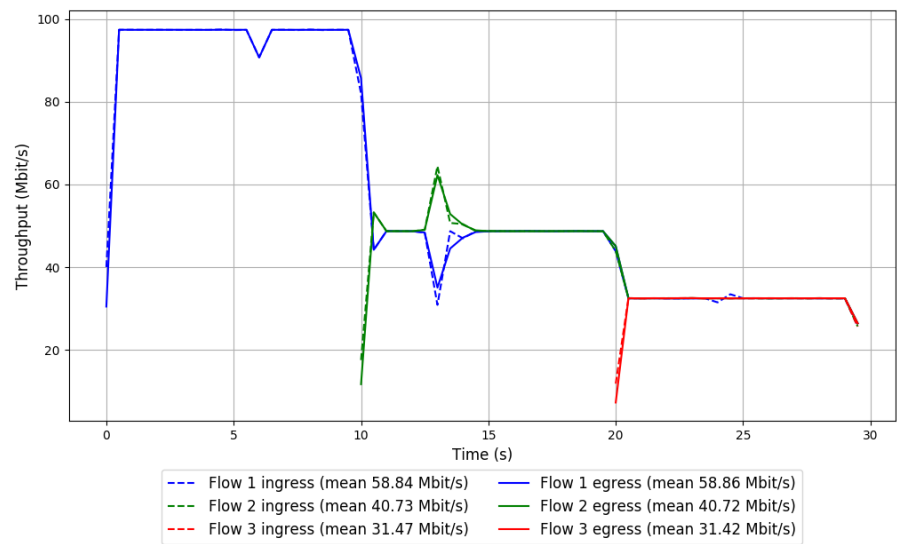


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 18:38:08  
End at: 2017-11-30 18:38:38  
Local clock offset: 6.271 ms  
Remote clock offset: -21.545 ms

# Below is generated by plot.py at 2017-11-30 23:42:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.27 Mbit/s  
95th percentile per-packet one-way delay: 70.966 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.86 Mbit/s  
95th percentile per-packet one-way delay: 70.930 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.72 Mbit/s  
95th percentile per-packet one-way delay: 70.926 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.42 Mbit/s  
95th percentile per-packet one-way delay: 71.035 ms  
Loss rate: 0.61%

Run 3: Report of QUIC Cubic — Data Link

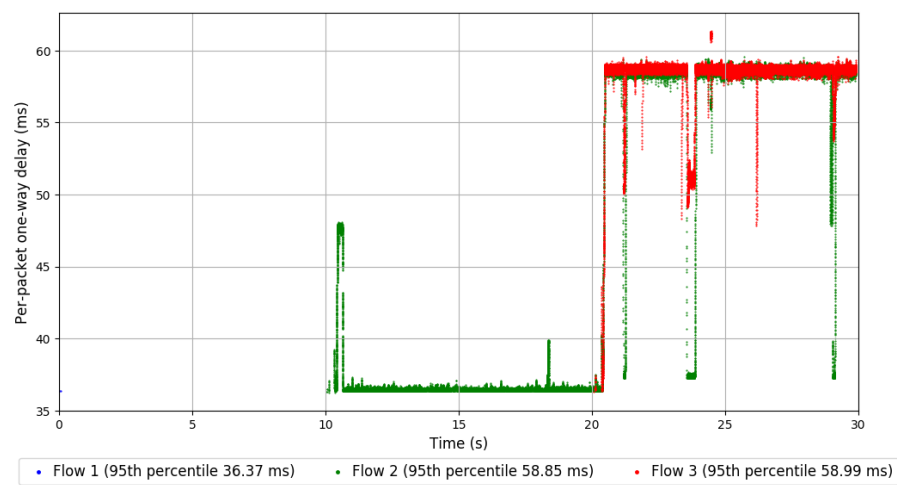
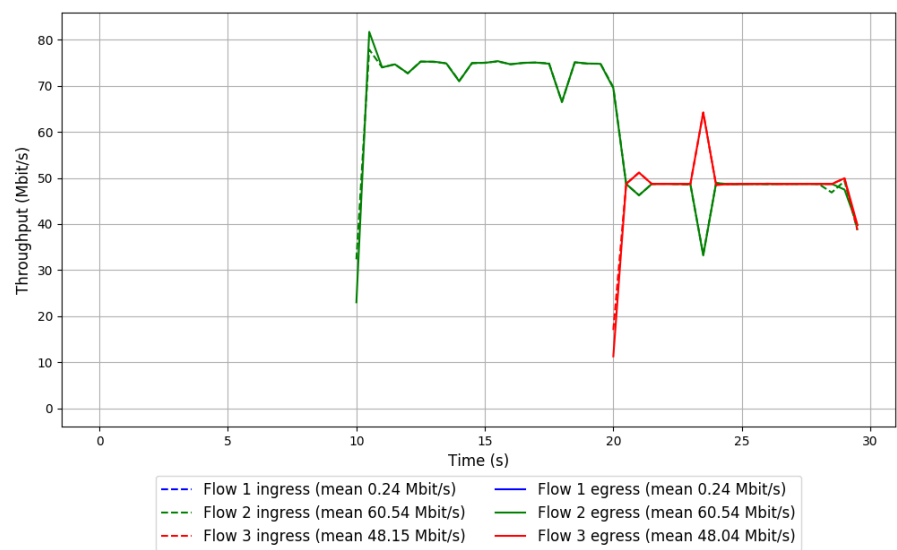


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 18:55:23  
End at: 2017-11-30 18:55:53  
Local clock offset: 5.279 ms  
Remote clock offset: -21.774 ms

# Below is generated by plot.py at 2017-11-30 23:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 56.10 Mbit/s  
95th percentile per-packet one-way delay: 58.937 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 36.372 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 60.54 Mbit/s  
95th percentile per-packet one-way delay: 58.847 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 48.04 Mbit/s  
95th percentile per-packet one-way delay: 58.992 ms  
Loss rate: 0.48%

Run 4: Report of QUIC Cubic — Data Link



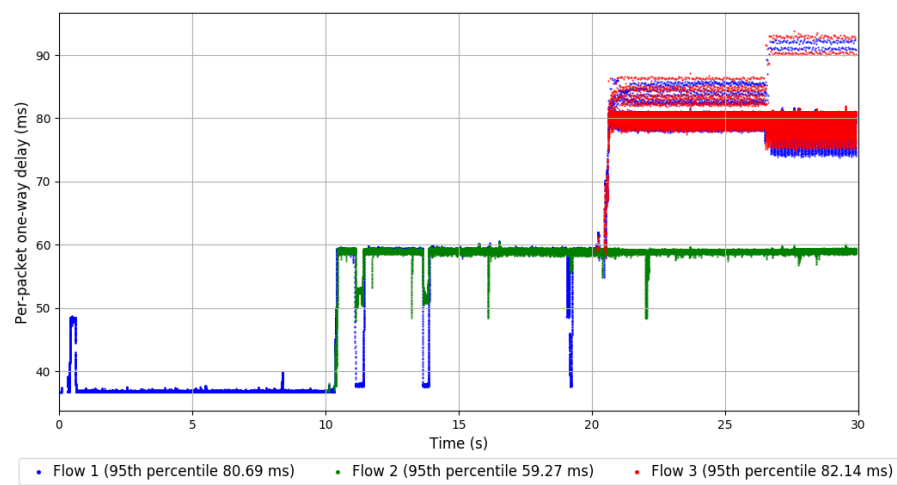
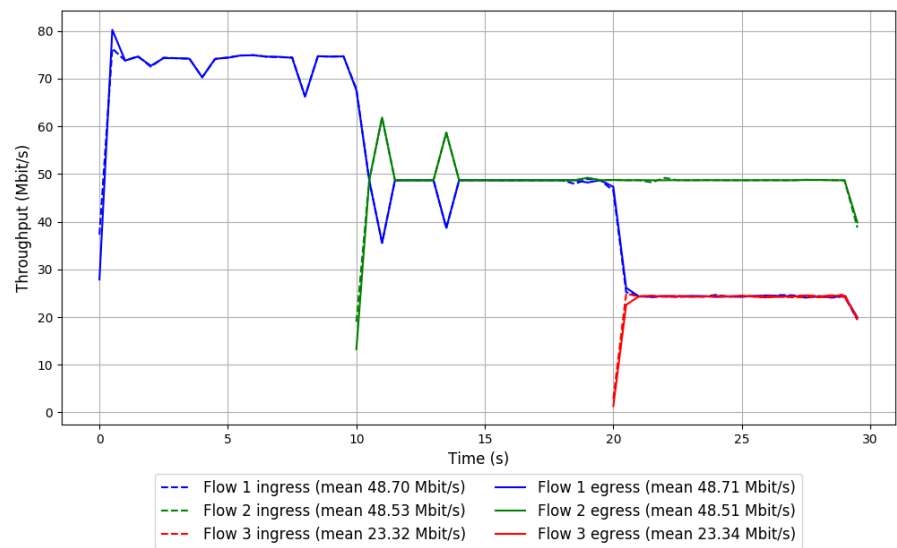
Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 19:12:32  
End at: 2017-11-30 19:13:02  
Local clock offset: 5.605 ms  
Remote clock offset: -22.254 ms

# Below is generated by plot.py at 2017-11-30 23:43:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.63 Mbit/s  
95th percentile per-packet one-way delay: 80.716 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 48.71 Mbit/s  
95th percentile per-packet one-way delay: 80.692 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 48.51 Mbit/s  
95th percentile per-packet one-way delay: 59.268 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 23.34 Mbit/s  
95th percentile per-packet one-way delay: 82.145 ms  
Loss rate: 0.71%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

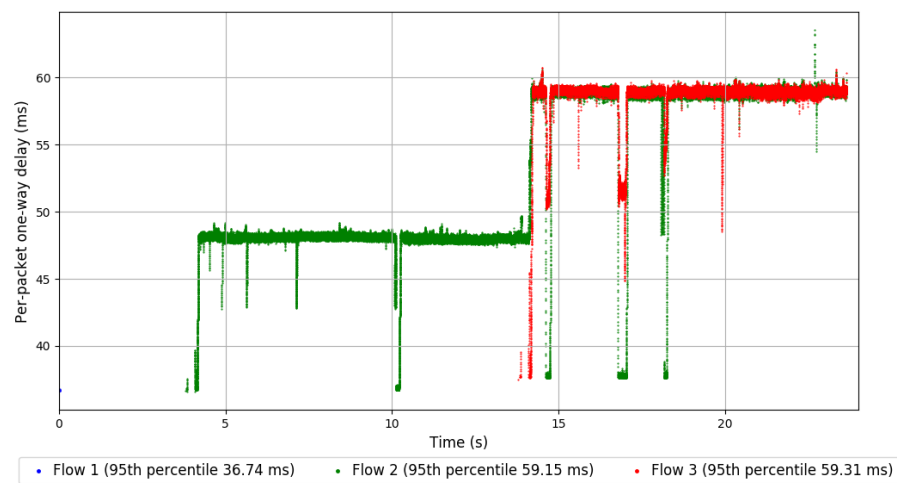
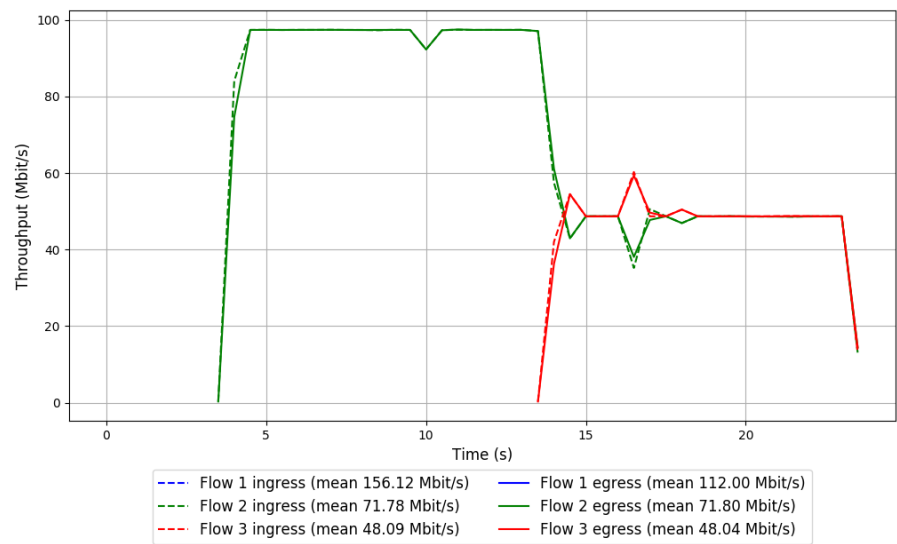
Start at: 2017-11-30 19:29:23

End at: 2017-11-30 19:29:53

Local clock offset: 8.899 ms

Remote clock offset: -20.721 ms

Run 6: Report of QUIC Cubic — Data Link

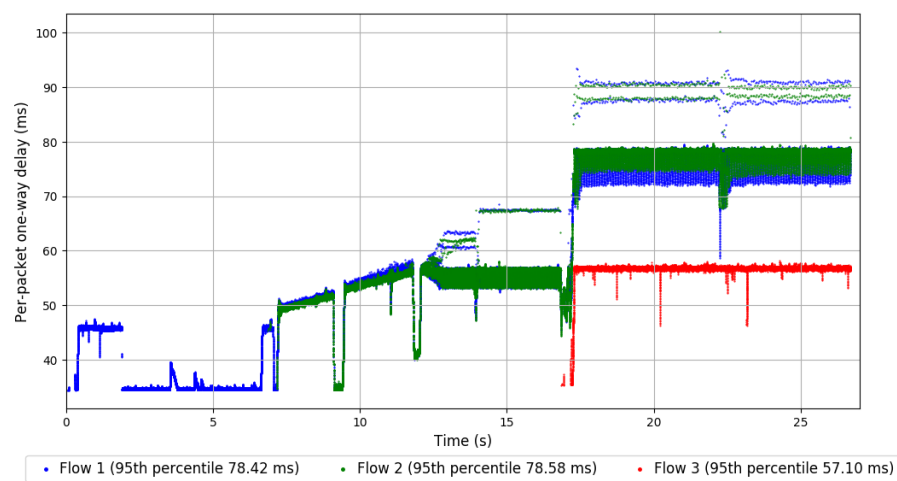
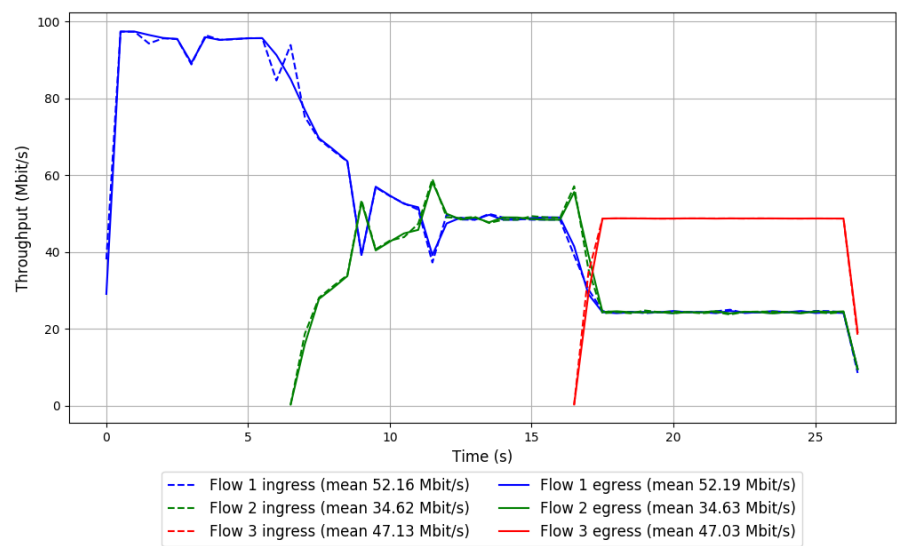


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 19:46:55  
End at: 2017-11-30 19:47:25  
Local clock offset: 5.64 ms  
Remote clock offset: -20.361 ms

# Below is generated by plot.py at 2017-11-30 23:43:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.28 Mbit/s  
95th percentile per-packet one-way delay: 78.448 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 52.19 Mbit/s  
95th percentile per-packet one-way delay: 78.417 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 34.63 Mbit/s  
95th percentile per-packet one-way delay: 78.577 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 47.03 Mbit/s  
95th percentile per-packet one-way delay: 57.098 ms  
Loss rate: 0.49%

Run 7: Report of QUIC Cubic — Data Link

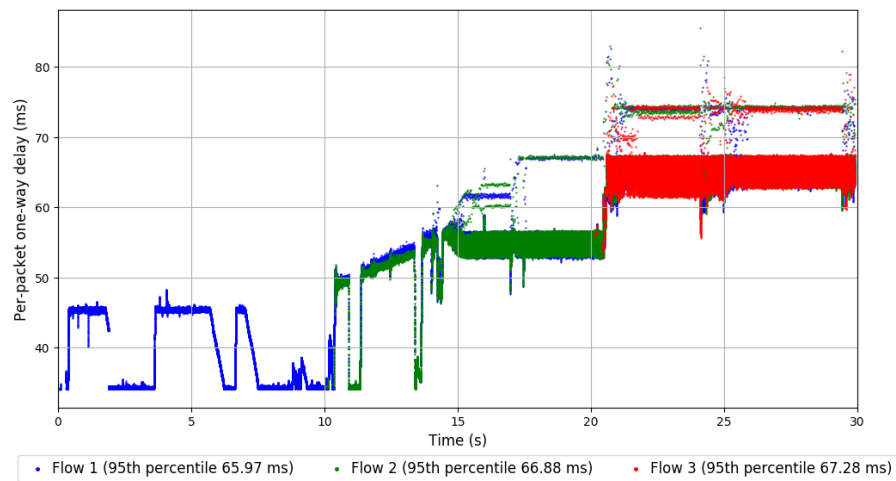
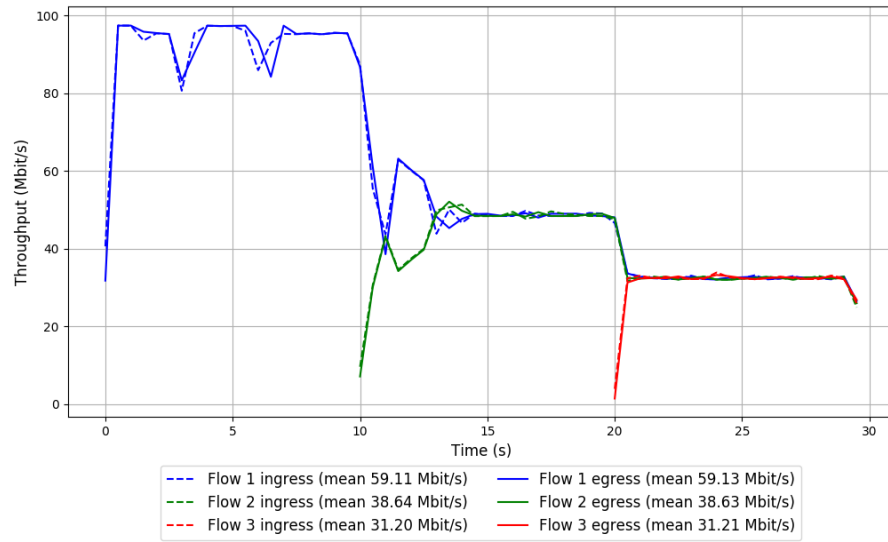


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 20:04:15  
End at: 2017-11-30 20:04:45  
Local clock offset: 4.053 ms  
Remote clock offset: -20.252 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.04 Mbit/s  
95th percentile per-packet one-way delay: 66.713 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 59.13 Mbit/s  
95th percentile per-packet one-way delay: 65.974 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 38.63 Mbit/s  
95th percentile per-packet one-way delay: 66.880 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 31.21 Mbit/s  
95th percentile per-packet one-way delay: 67.279 ms  
Loss rate: 0.59%

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



Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 20:21:54

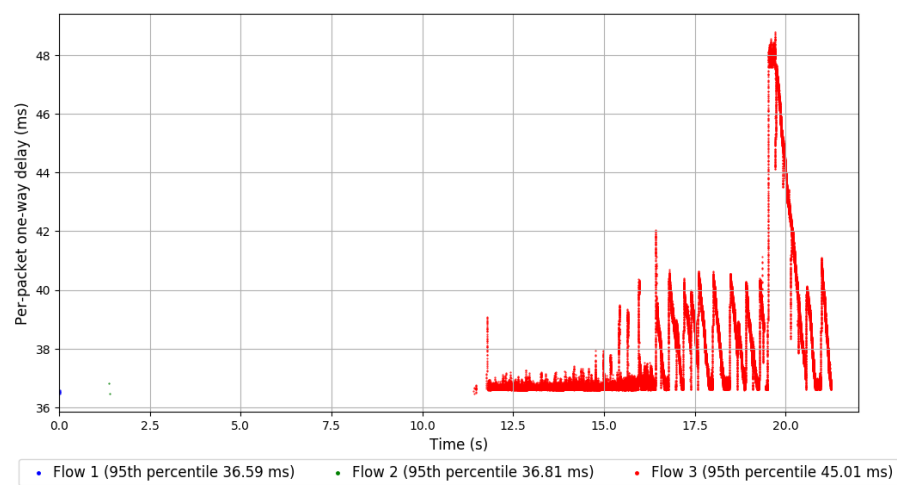
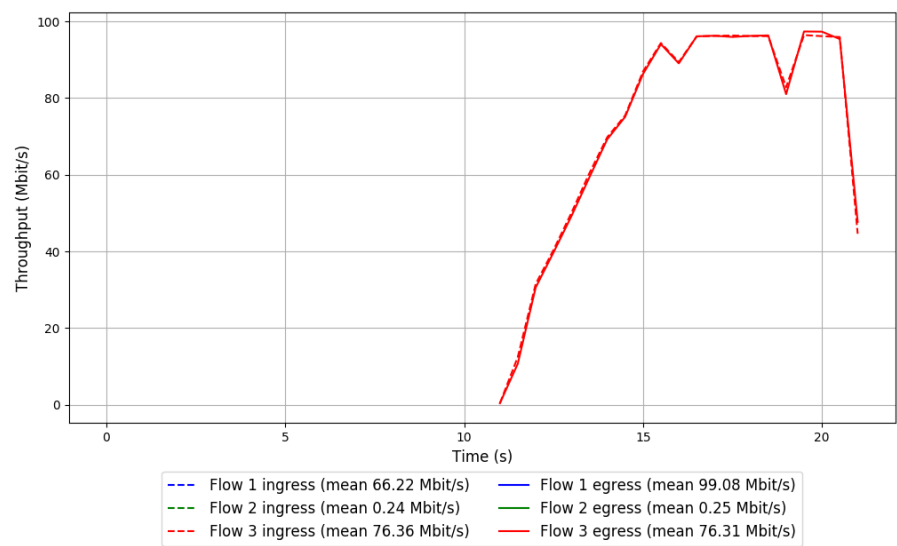
End at: 2017-11-30 20:22:24

Local clock offset: 3.948 ms

Remote clock offset: -21.396 ms



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-11-30 20:38:43

End at: 2017-11-30 20:39:13

Local clock offset: 4.409 ms

Remote clock offset: -16.236 ms

# Below is generated by plot.py at 2017-11-30 23:43:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 76.214 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 53.62 Mbit/s

95th percentile per-packet one-way delay: 76.167 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 46.64 Mbit/s

95th percentile per-packet one-way delay: 54.970 ms

Loss rate: 0.24%

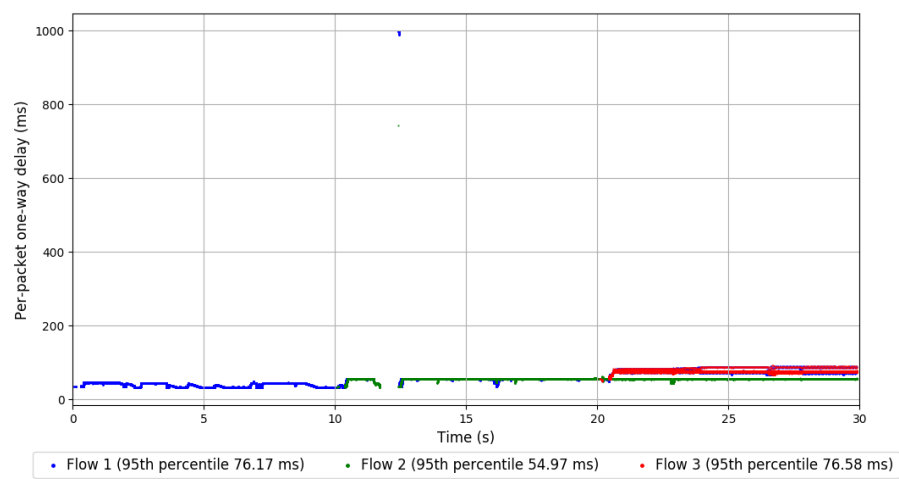
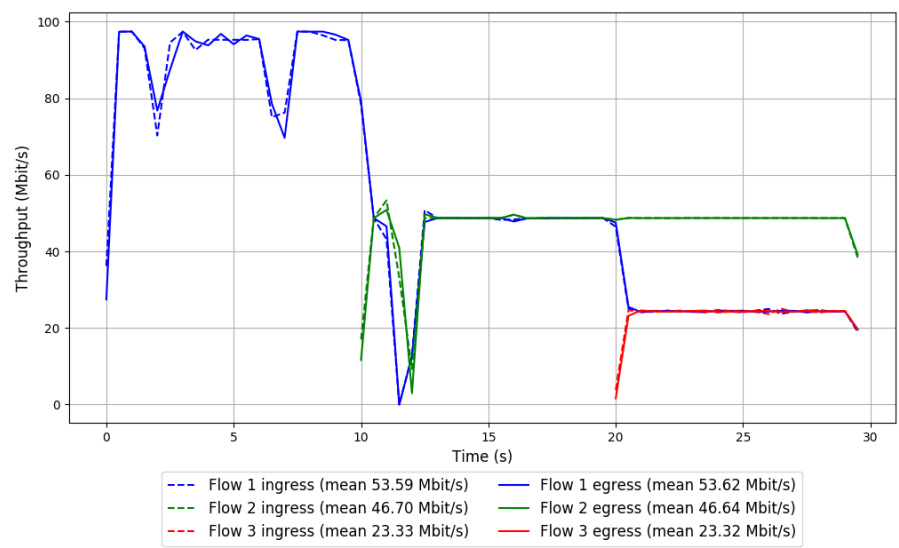
-- Flow 3:

Average throughput: 23.32 Mbit/s

95th percentile per-packet one-way delay: 76.575 ms

Loss rate: 0.72%

Run 10: Report of QUIC Cubic — Data Link

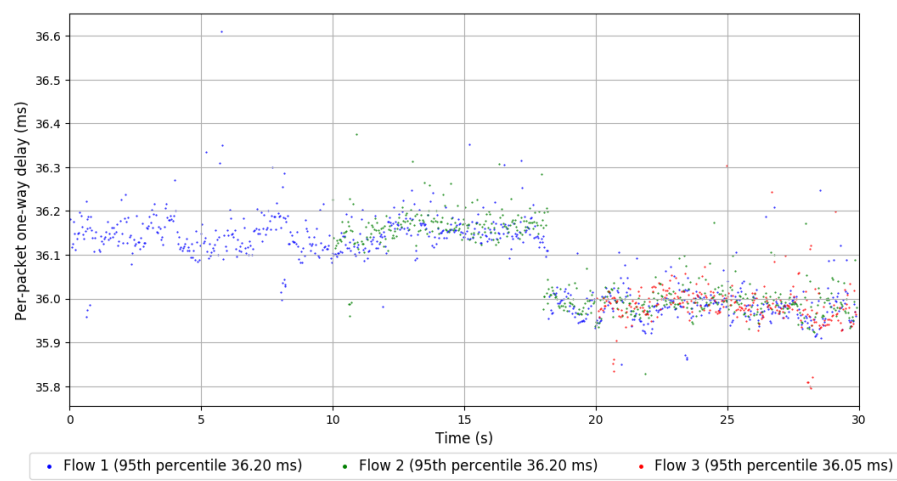
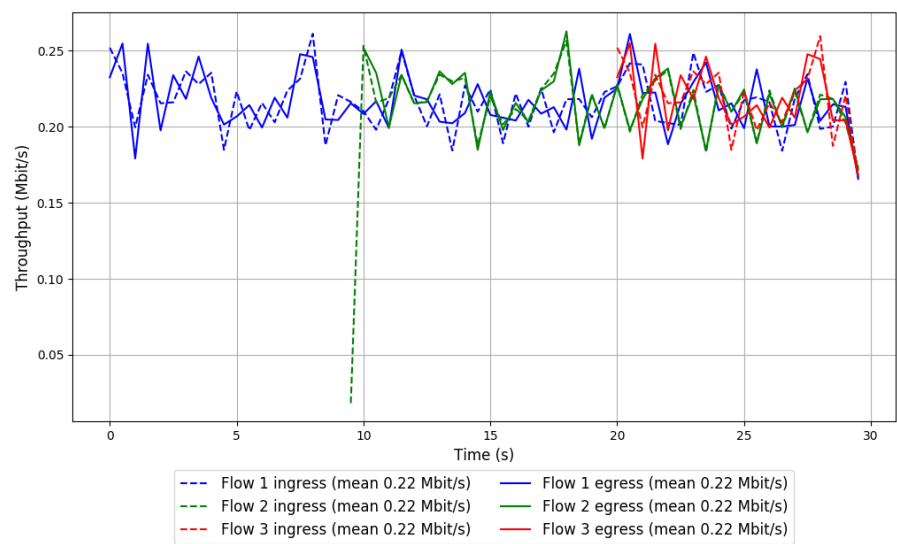


```
Run 1: Statistics of SReAM

Start at: 2017-11-30 17:57:58
End at: 2017-11-30 17:58:28
Local clock offset: 5.891 ms
Remote clock offset: -20.584 ms

# Below is generated by plot.py at 2017-11-30 23:43:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.195 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.201 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.198 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.047 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

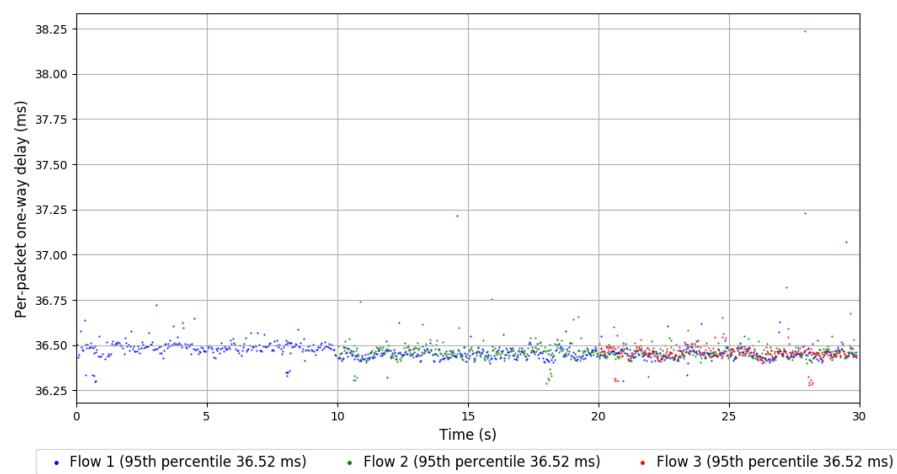
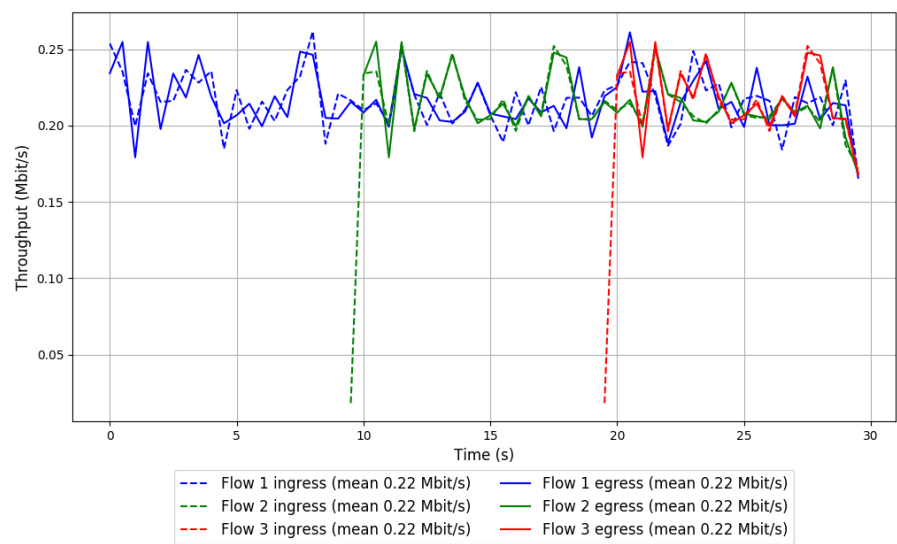


```
Run 2: Statistics of SReAM

Start at: 2017-11-30 18:15:37
End at: 2017-11-30 18:16:07
Local clock offset: 5.708 ms
Remote clock offset: -21.146 ms

# Below is generated by plot.py at 2017-11-30 23:43:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.521 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.521 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.524 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.515 ms
Loss rate: 0.35%
```

Run 2: Report of SReAM — Data Link



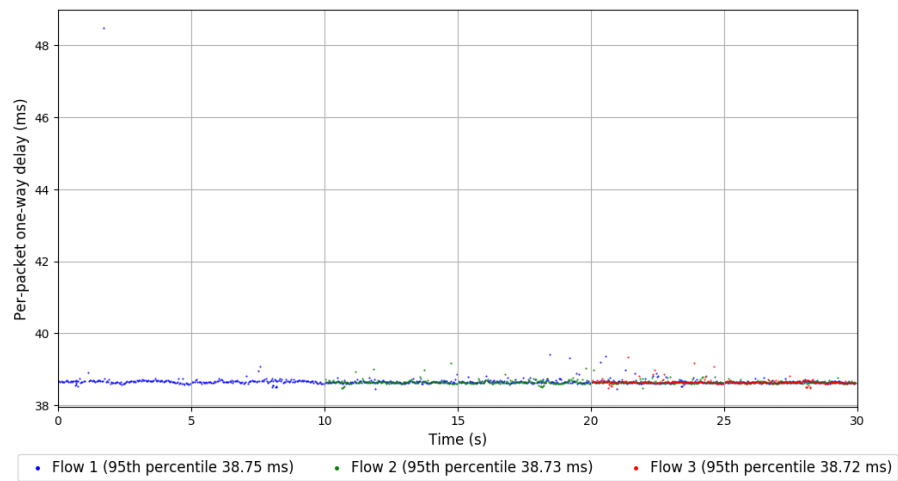
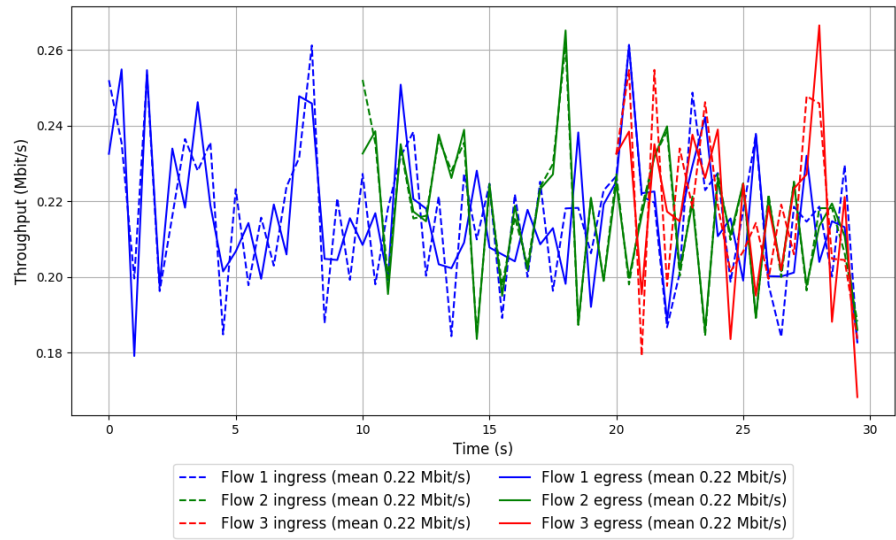
Run 3: Statistics of SReAM

Start at: 2017-11-30 18:33:20  
End at: 2017-11-30 18:33:50  
Local clock offset: 8.042 ms  
Remote clock offset: -21.046 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 38.740 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 38.746 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 38.732 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 38.716 ms  
Loss rate: 0.35%



### Run 3: Report of SReAM — Data Link

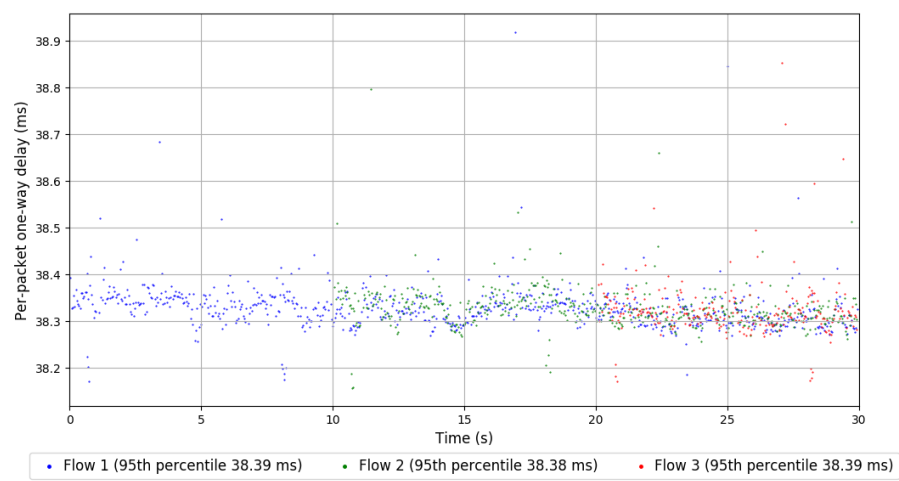
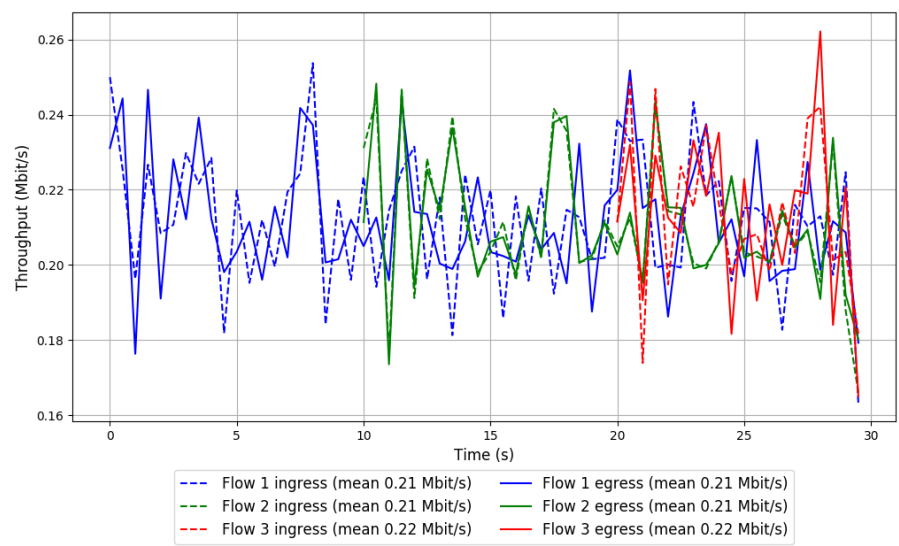


Run 4: Statistics of SReAM

Start at: 2017-11-30 18:50:33  
End at: 2017-11-30 18:51:03  
Local clock offset: 8.346 ms  
Remote clock offset: -20.629 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 38.383 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 38.387 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 38.379 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 38.386 ms  
Loss rate: 0.39%

Run 4: Report of SCRaM — Data Link

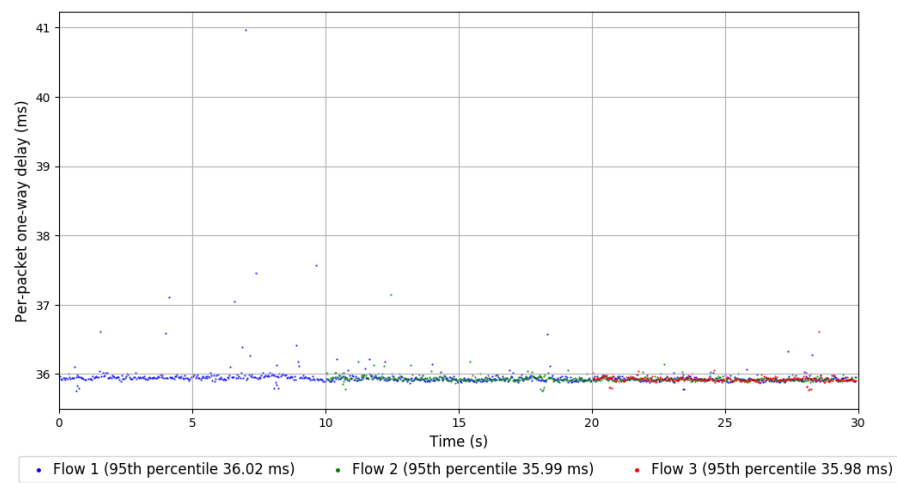
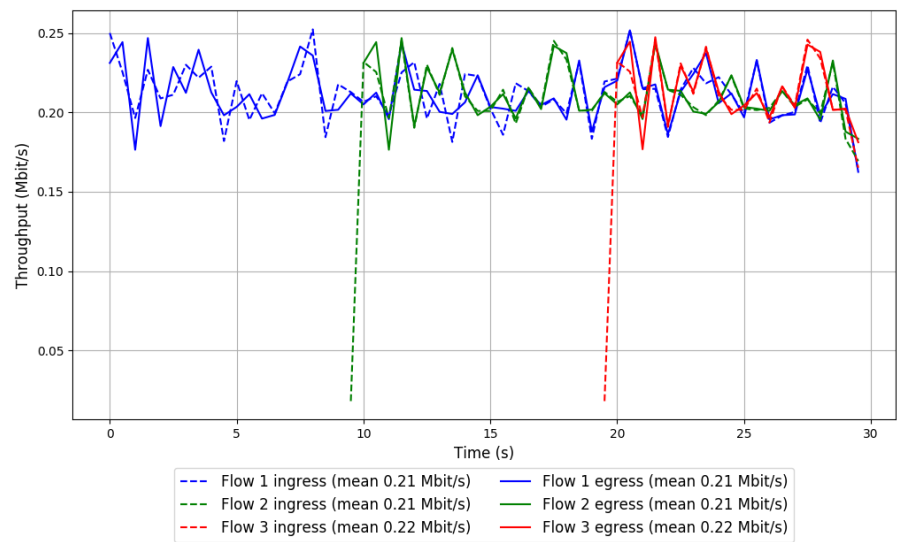


Run 5: Statistics of SReAM

Start at: 2017-11-30 19:07:42  
End at: 2017-11-30 19:08:12  
Local clock offset: 5.878 ms  
Remote clock offset: -21.208 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 36.001 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 36.015 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 35.995 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 35.976 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

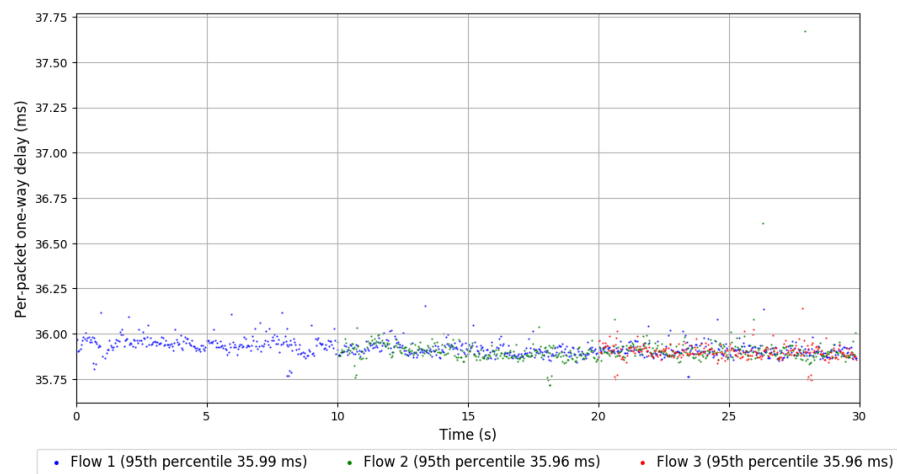
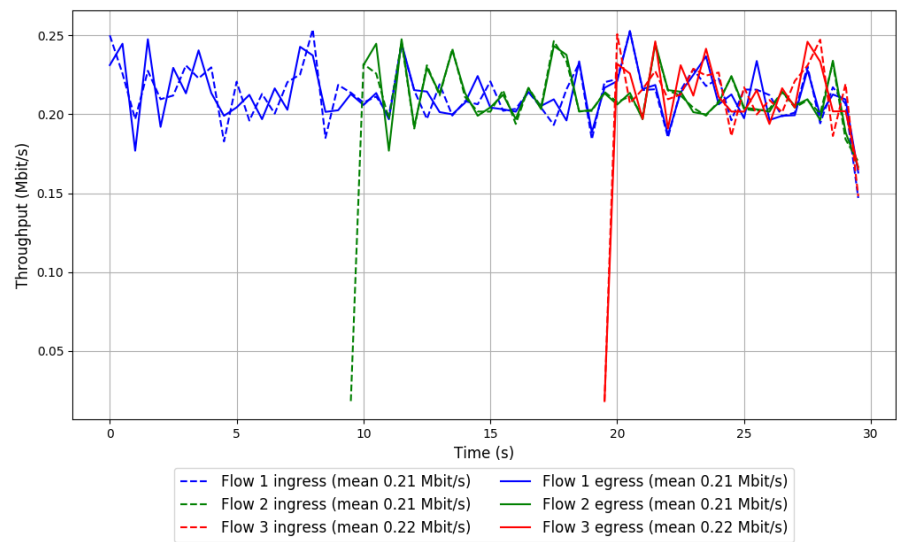


Run 6: Statistics of SReAM

Start at: 2017-11-30 19:24:31  
End at: 2017-11-30 19:25:01  
Local clock offset: 7.51 ms  
Remote clock offset: -21.208 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 35.980 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 35.988 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 35.964 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 35.963 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



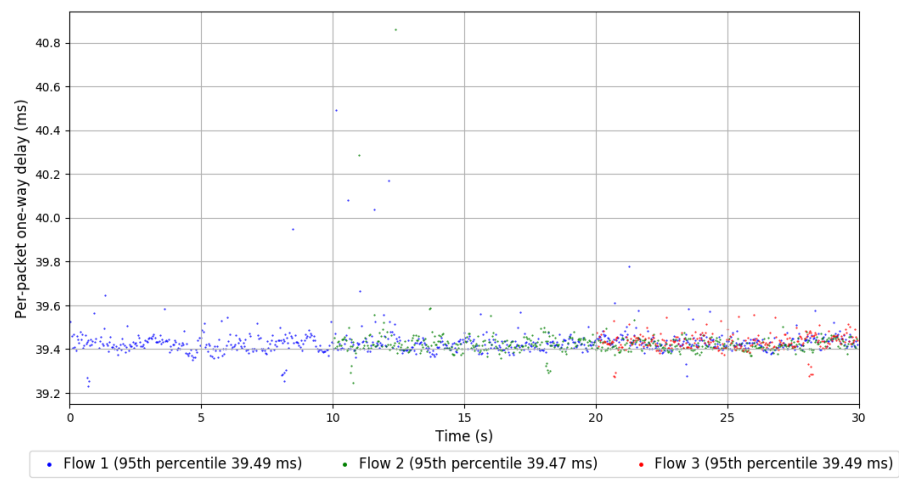
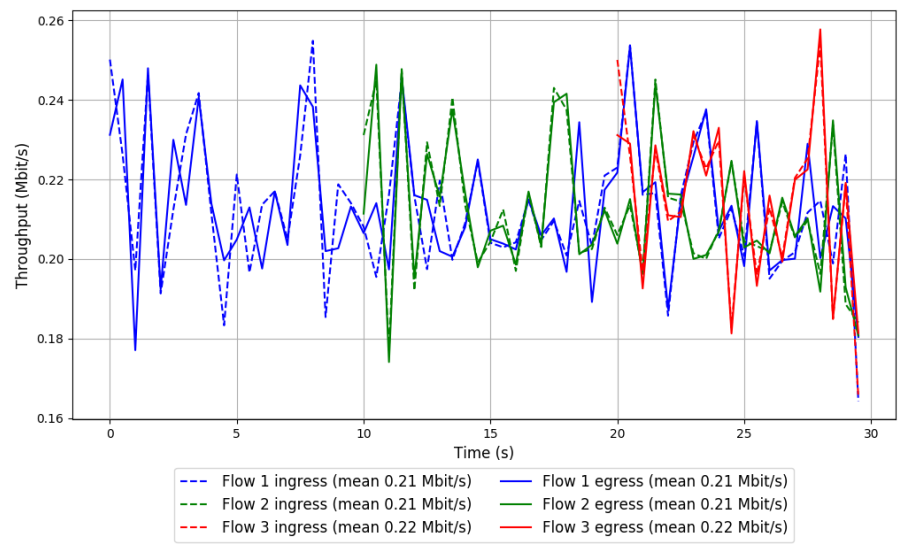
Run 7: Statistics of SReAM

Start at: 2017-11-30 19:41:57  
End at: 2017-11-30 19:42:27  
Local clock offset: 8.607 ms  
Remote clock offset: -22.771 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 39.482 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 39.487 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 39.471 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 39.490 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

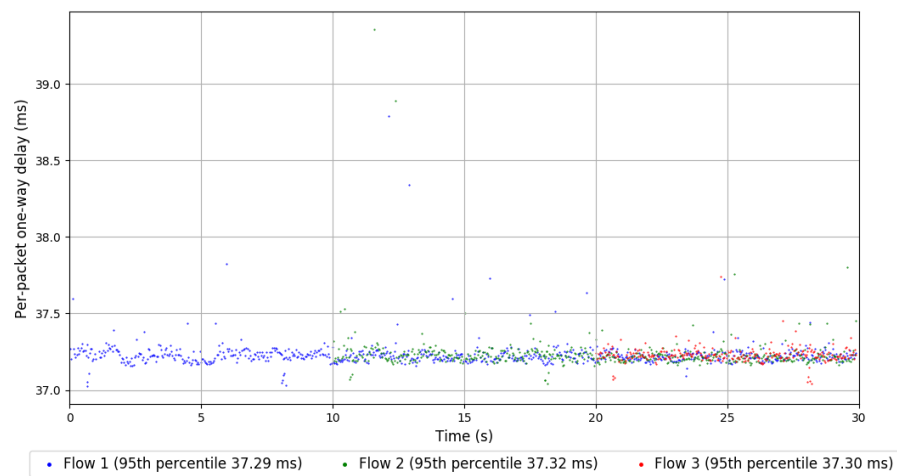
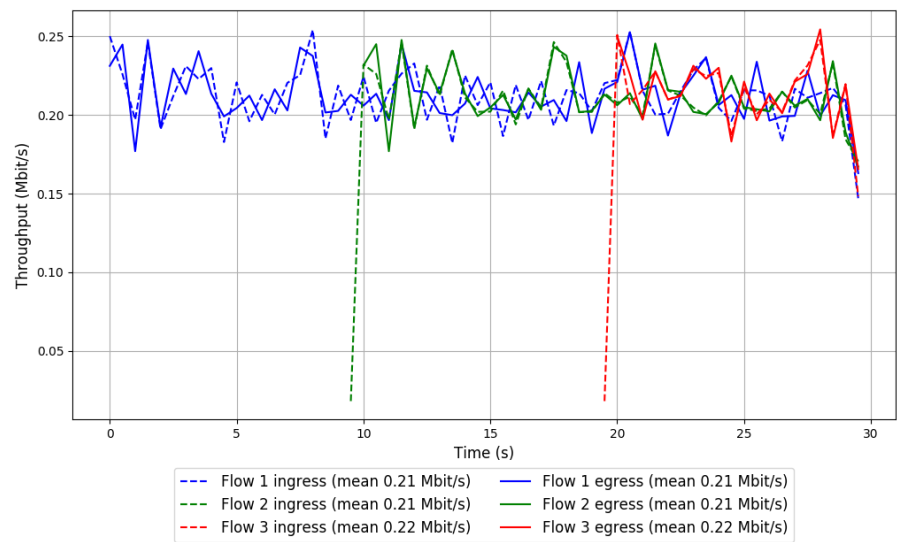


Run 8: Statistics of SReAM

Start at: 2017-11-30 19:59:24  
End at: 2017-11-30 19:59:54  
Local clock offset: 6.914 ms  
Remote clock offset: -20.773 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 37.299 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 37.292 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 37.319 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 37.300 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

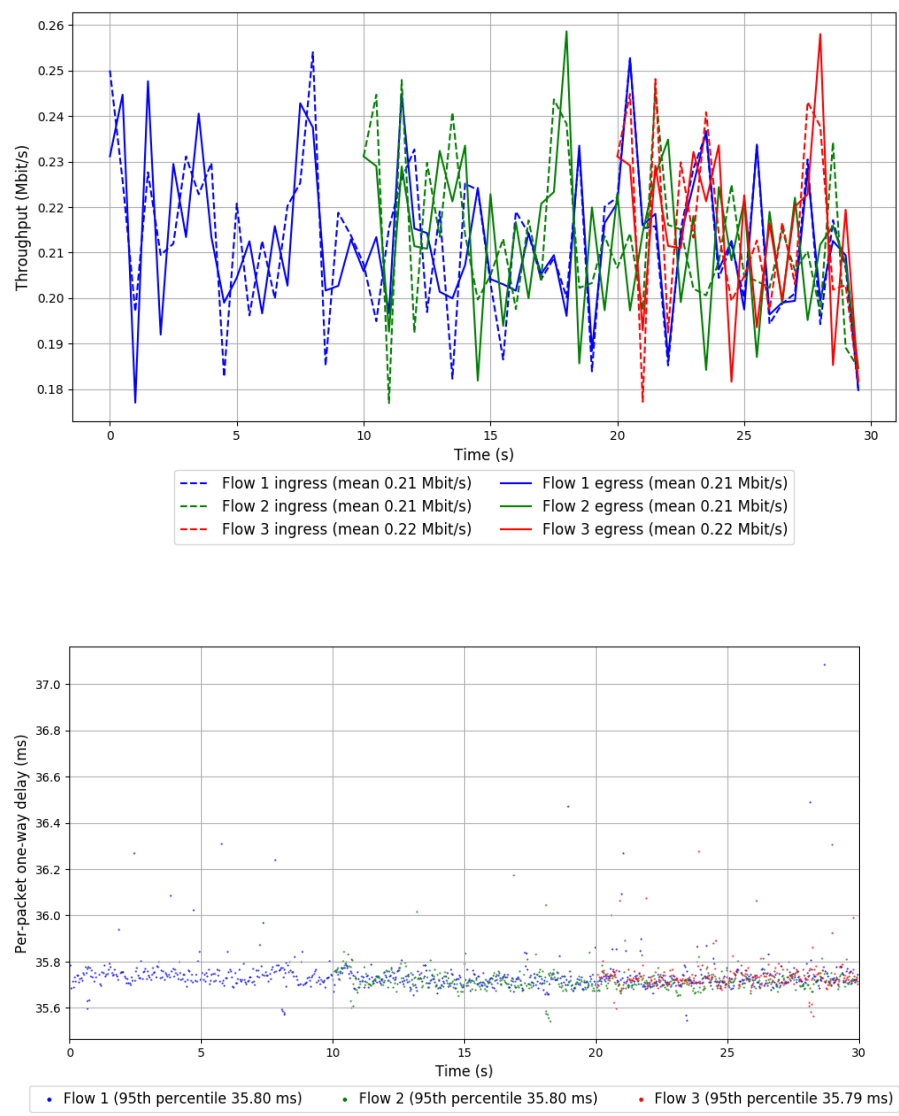


Run 9: Statistics of SReAM

Start at: 2017-11-30 20:17:05  
End at: 2017-11-30 20:17:35  
Local clock offset: 2.559 ms  
Remote clock offset: -22.243 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 35.797 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 35.800 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 35.797 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 35.786 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

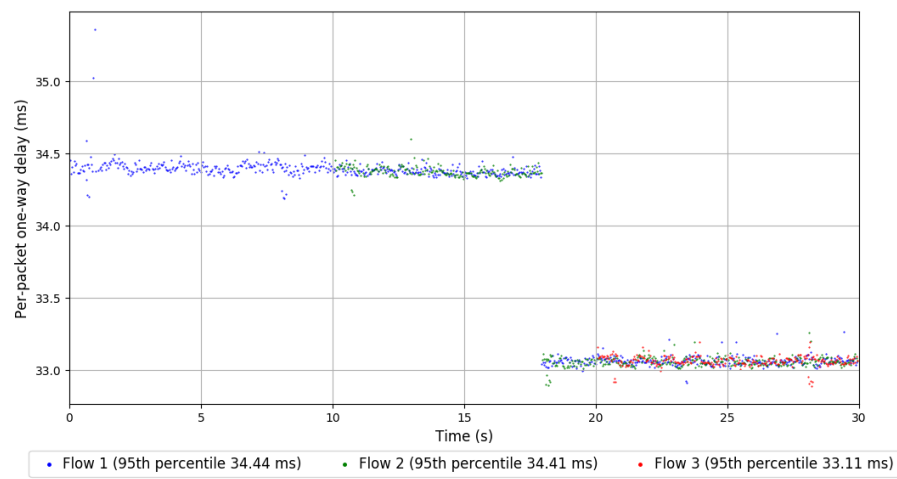
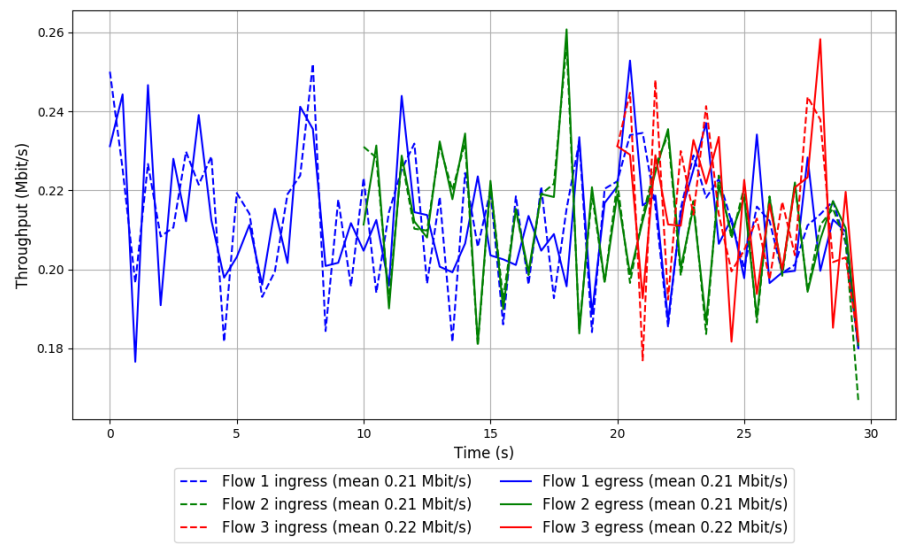


Run 10: Statistics of SReAM

Start at: 2017-11-30 20:34:02  
End at: 2017-11-30 20:34:32  
Local clock offset: 3.603 ms  
Remote clock offset: -17.774 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 34.427 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 34.438 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 34.411 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 33.106 ms  
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link



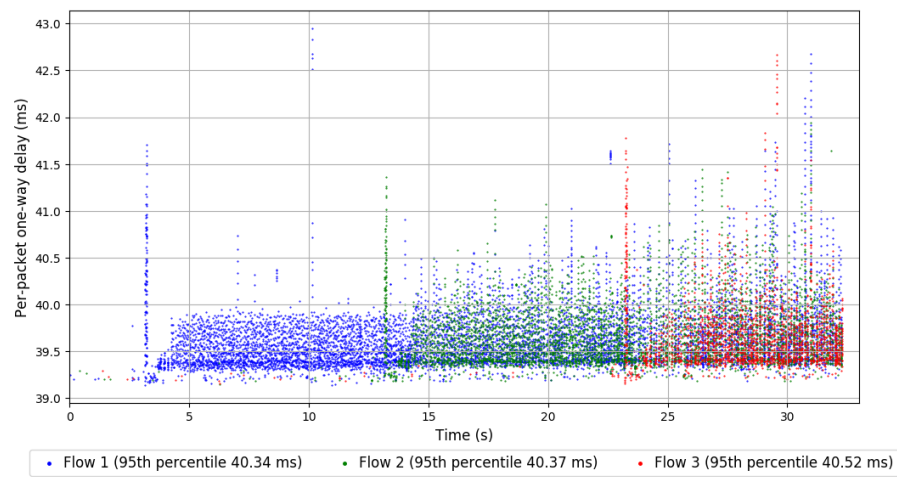
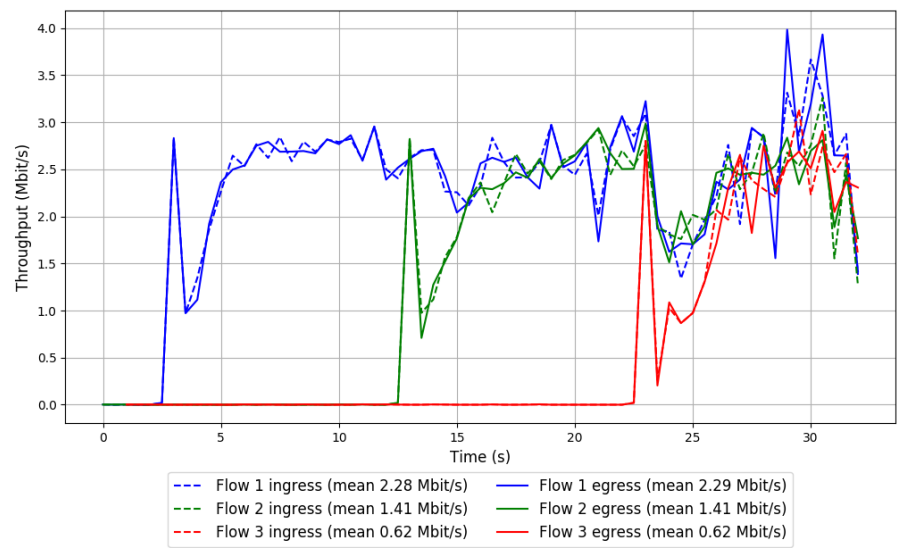
Run 1: Statistics of WebRTC media

Start at: 2017-11-30 17:50:44  
End at: 2017-11-30 17:51:14  
Local clock offset: 8.071 ms  
Remote clock offset: -21.78 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.26 Mbit/s  
95th percentile per-packet one-way delay: 40.374 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 40.339 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 40.371 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.62 Mbit/s  
95th percentile per-packet one-way delay: 40.516 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

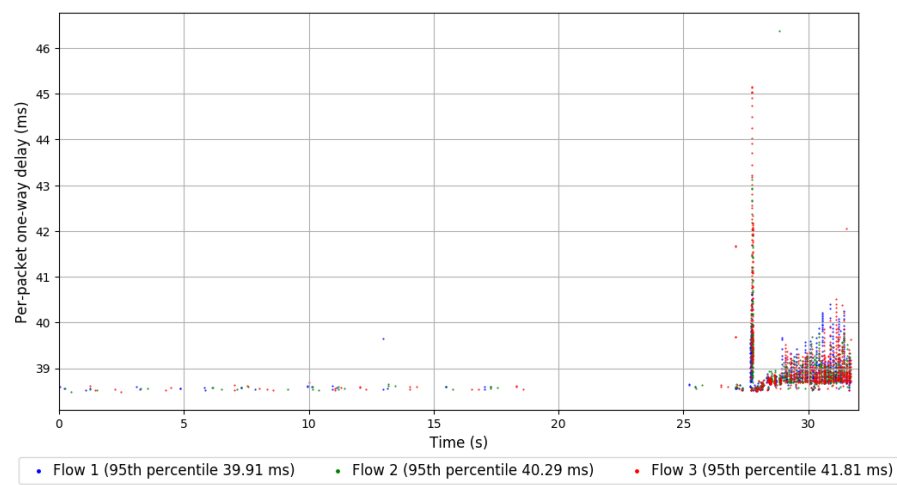
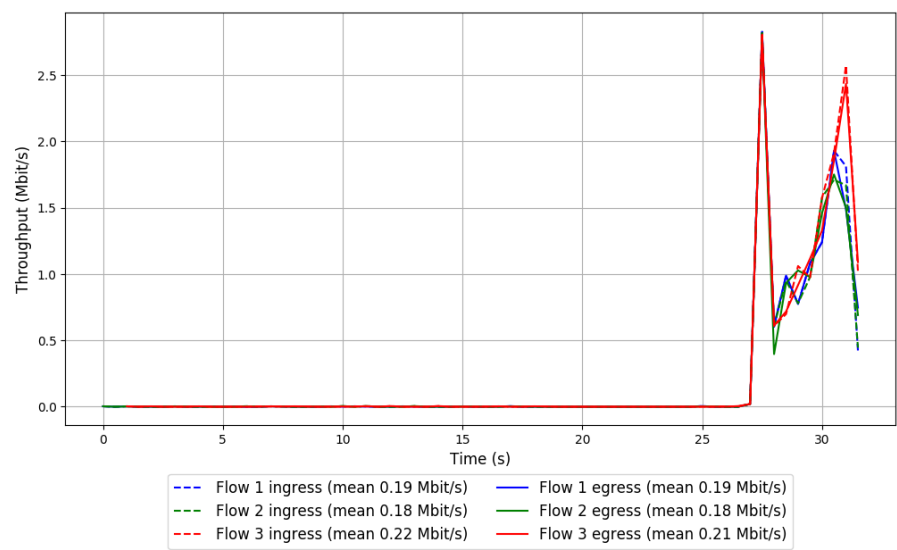


Run 2: Statistics of WebRTC media

Start at: 2017-11-30 18:08:06  
End at: 2017-11-30 18:08:36  
Local clock offset: 7.329 ms  
Remote clock offset: -21.815 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.57 Mbit/s  
95th percentile per-packet one-way delay: 40.400 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 39.910 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 40.287 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 41.810 ms  
Loss rate: 2.80%

Run 2: Report of WebRTC media — Data Link

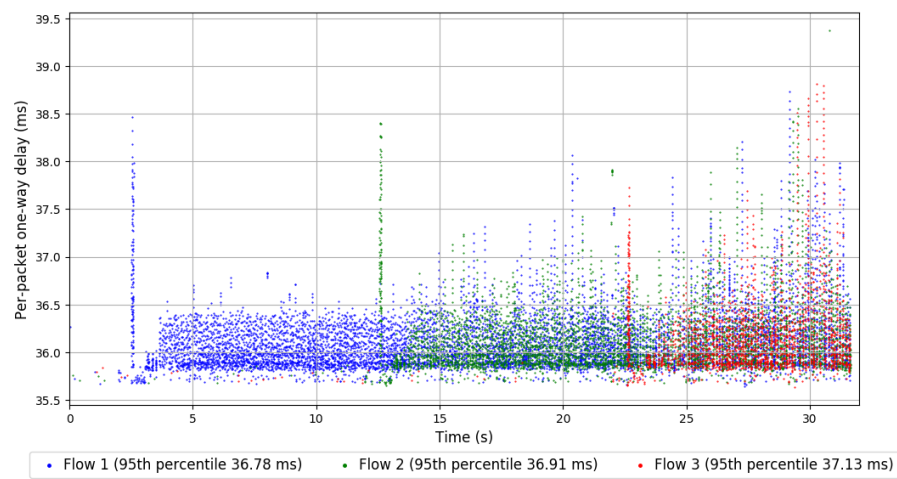
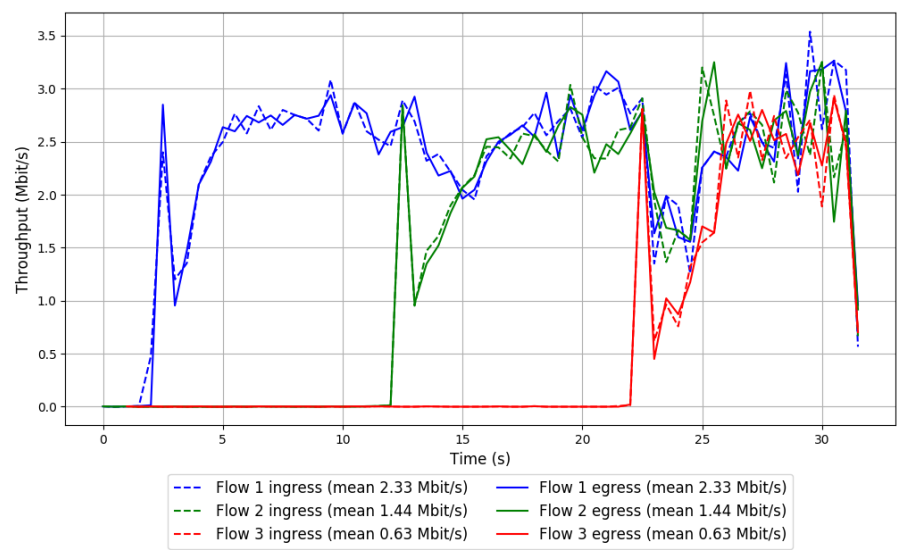


Run 3: Statistics of WebRTC media

Start at: 2017-11-30 18:25:36  
End at: 2017-11-30 18:26:06  
Local clock offset: 2.764 ms  
Remote clock offset: -23.402 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.37 Mbit/s  
95th percentile per-packet one-way delay: 36.881 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 36.777 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 36.907 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.63 Mbit/s  
95th percentile per-packet one-way delay: 37.133 ms  
Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

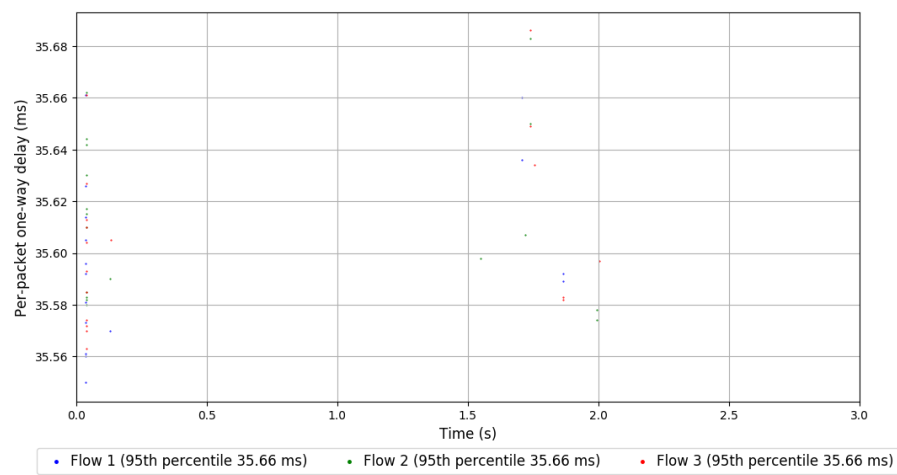
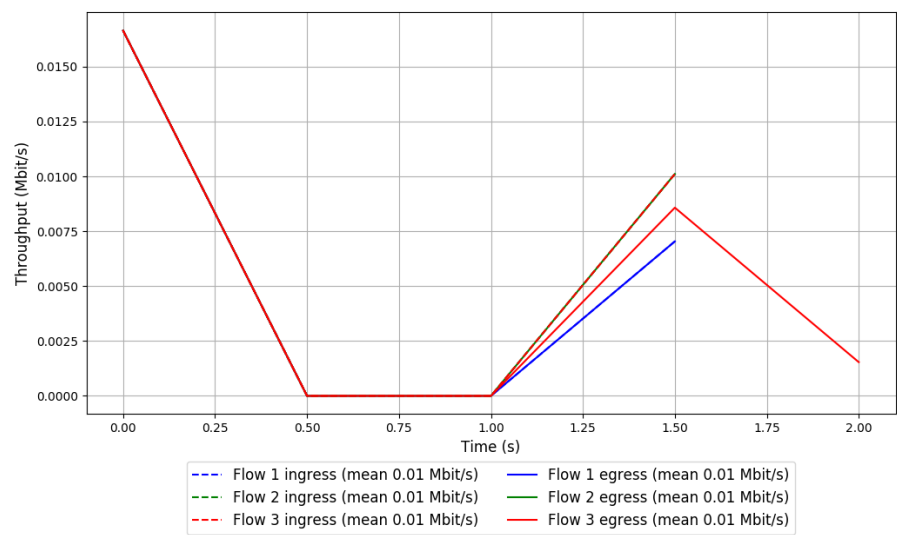
Start at: 2017-11-30 18:43:03

End at: 2017-11-30 18:43:33

Local clock offset: 5.642 ms

Remote clock offset: -20.579 ms

Run 4: Report of WebRTC media — Data Link



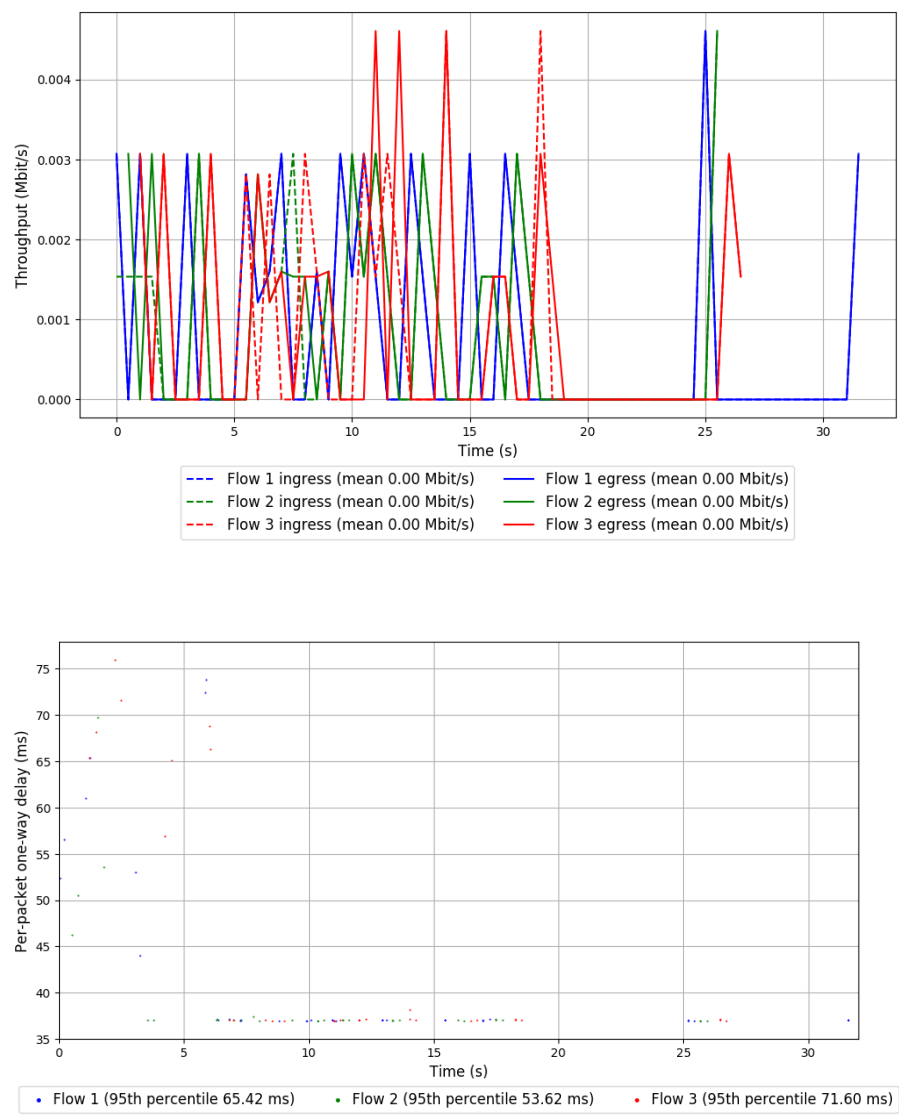
Run 5: Statistics of WebRTC media

Start at: 2017-11-30 19:00:12  
End at: 2017-11-30 19:00:42  
Local clock offset: 5.426 ms  
Remote clock offset: -22.541 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 68.807 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 65.422 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 53.615 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 71.597 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

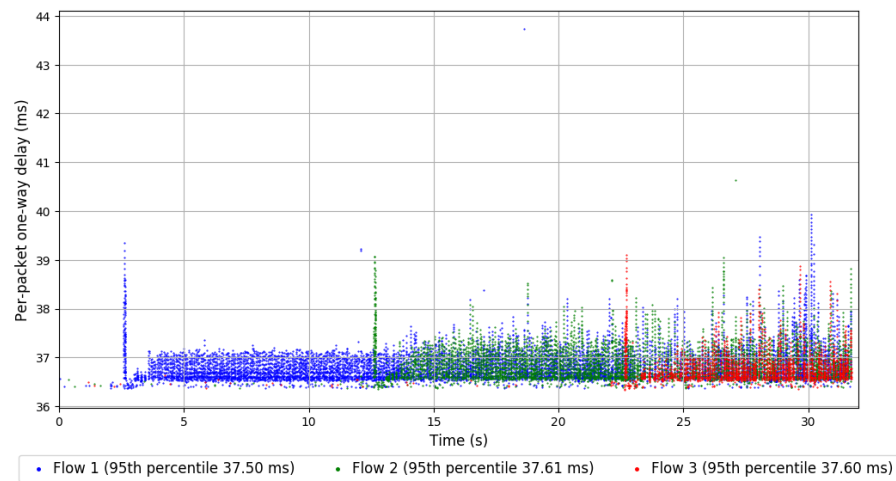
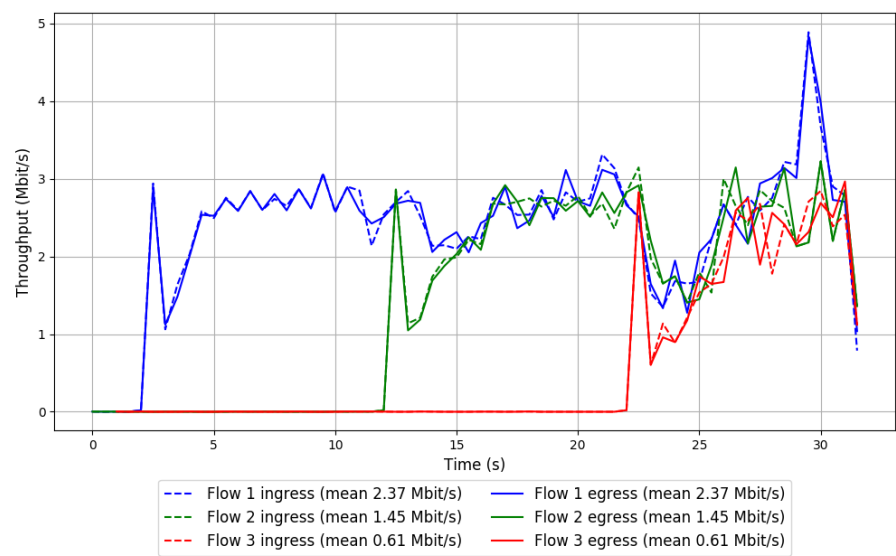


Run 6: Statistics of WebRTC media

Start at: 2017-11-30 19:17:17  
End at: 2017-11-30 19:17:47  
Local clock offset: 6.635 ms  
Remote clock offset: -21.091 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.39 Mbit/s  
95th percentile per-packet one-way delay: 37.553 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 37.498 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 37.611 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 37.601 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

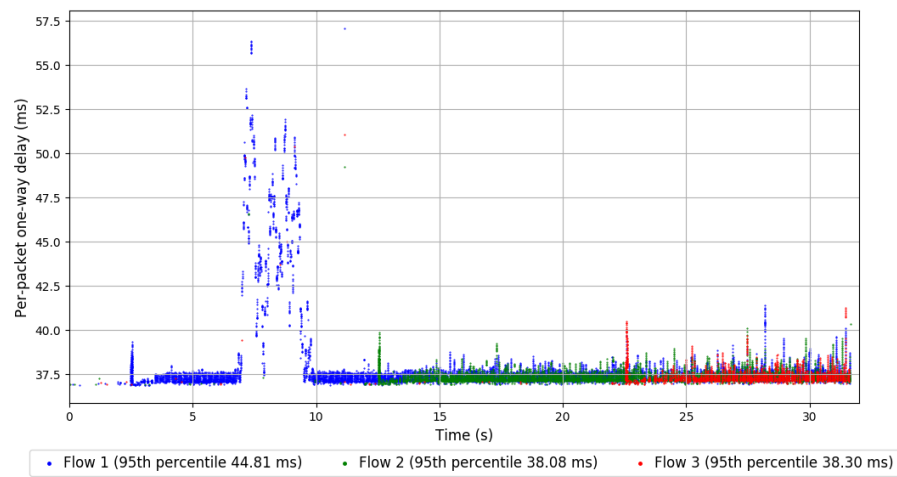
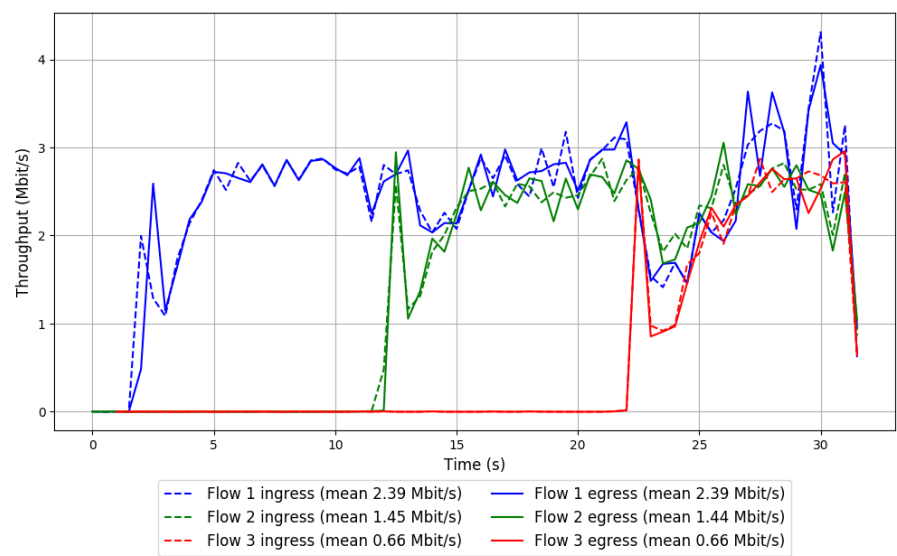


Run 7: Statistics of WebRTC media

Start at: 2017-11-30 19:34:26  
End at: 2017-11-30 19:34:56  
Local clock offset: 8.69 ms  
Remote clock offset: -21.087 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.46 Mbit/s  
95th percentile per-packet one-way delay: 39.876 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 2.39 Mbit/s  
95th percentile per-packet one-way delay: 44.814 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 38.079 ms  
Loss rate: 0.36%  
-- Flow 3:  
Average throughput: 0.66 Mbit/s  
95th percentile per-packet one-way delay: 38.300 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-11-30 19:51:51

End at: 2017-11-30 19:52:21

Local clock offset: 8.25 ms

Remote clock offset: -20.9 ms

Run 8: Report of WebRTC media — Data Link

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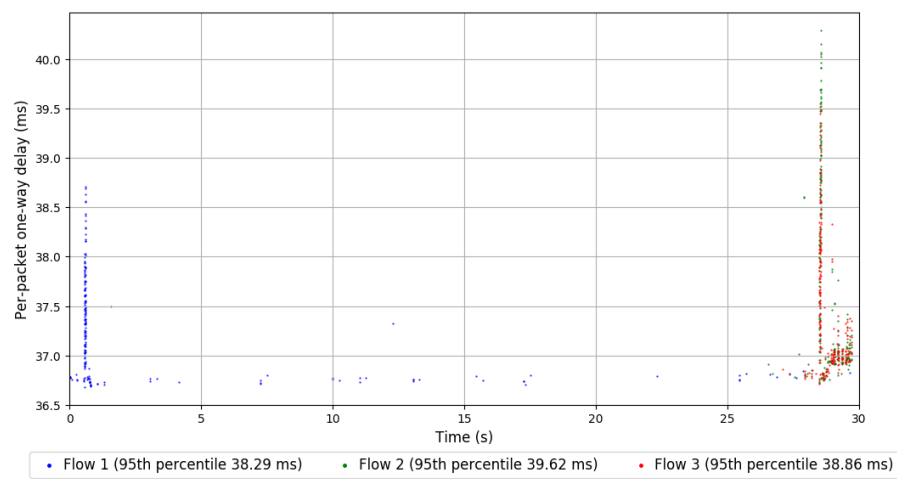
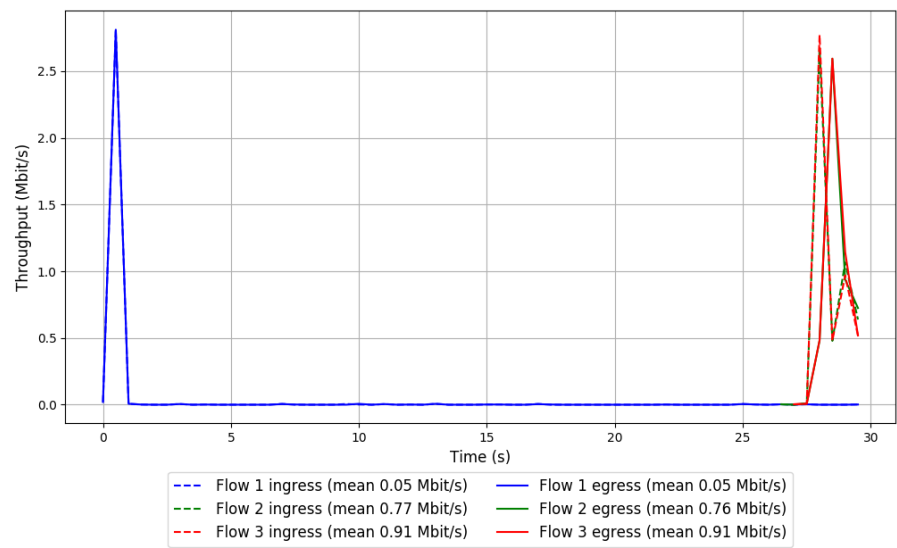
Run 9: Statistics of WebRTC media

Start at: 2017-11-30 20:09:18  
End at: 2017-11-30 20:09:48  
Local clock offset: 5.095 ms  
Remote clock offset: -21.438 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 39.222 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 38.292 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.76 Mbit/s  
95th percentile per-packet one-way delay: 39.618 ms  
Loss rate: 2.47%  
-- Flow 3:  
Average throughput: 0.91 Mbit/s  
95th percentile per-packet one-way delay: 38.858 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

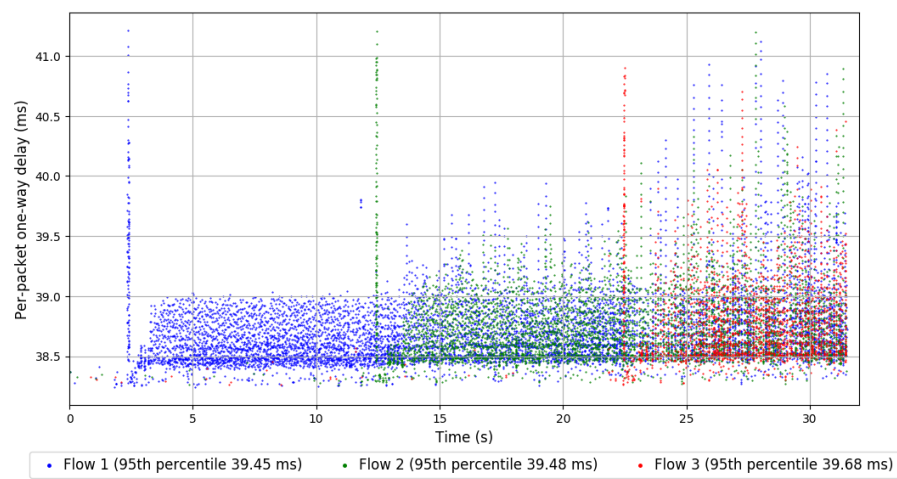
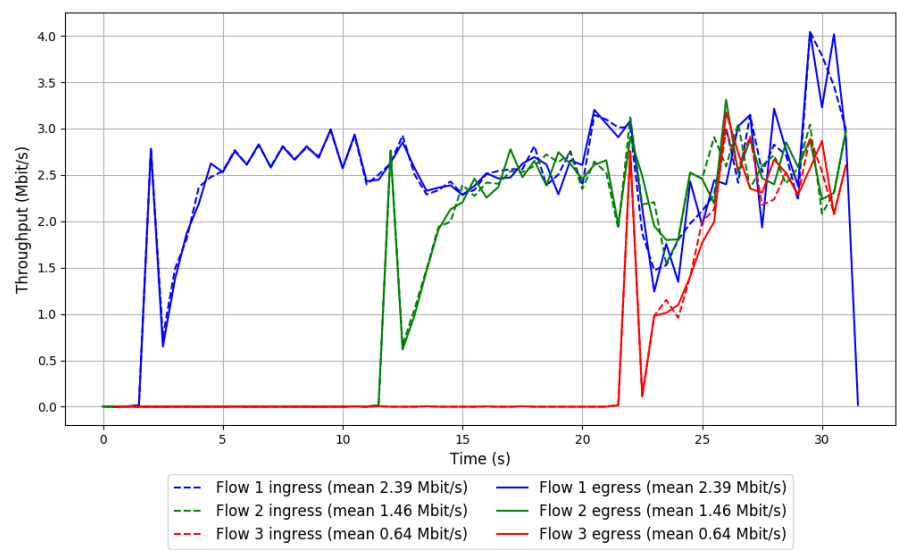


Run 10: Statistics of WebRTC media

Start at: 2017-11-30 20:26:39  
End at: 2017-11-30 20:27:09  
Local clock offset: 5.647 ms  
Remote clock offset: -21.23 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.48 Mbit/s  
95th percentile per-packet one-way delay: 39.500 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 2.39 Mbit/s  
95th percentile per-packet one-way delay: 39.449 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 1.46 Mbit/s  
95th percentile per-packet one-way delay: 39.478 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.64 Mbit/s  
95th percentile per-packet one-way delay: 39.678 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

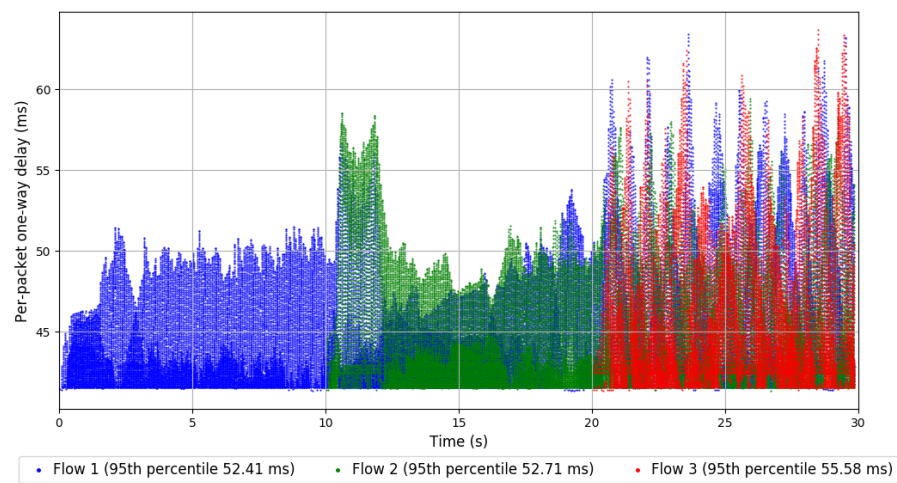
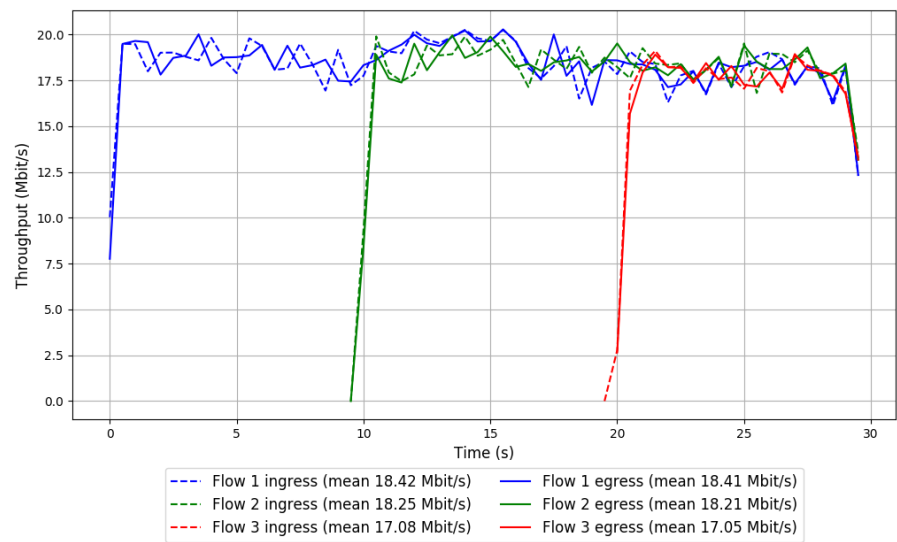


Run 1: Statistics of Sprout

Start at: 2017-11-30 18:04:20  
End at: 2017-11-30 18:04:50  
Local clock offset: 8.995 ms  
Remote clock offset: -23.103 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 36.17 Mbit/s  
95th percentile per-packet one-way delay: 53.143 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 18.41 Mbit/s  
95th percentile per-packet one-way delay: 52.406 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 18.21 Mbit/s  
95th percentile per-packet one-way delay: 52.711 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 17.05 Mbit/s  
95th percentile per-packet one-way delay: 55.579 ms  
Loss rate: 0.59%

Run 1: Report of Sprout — Data Link

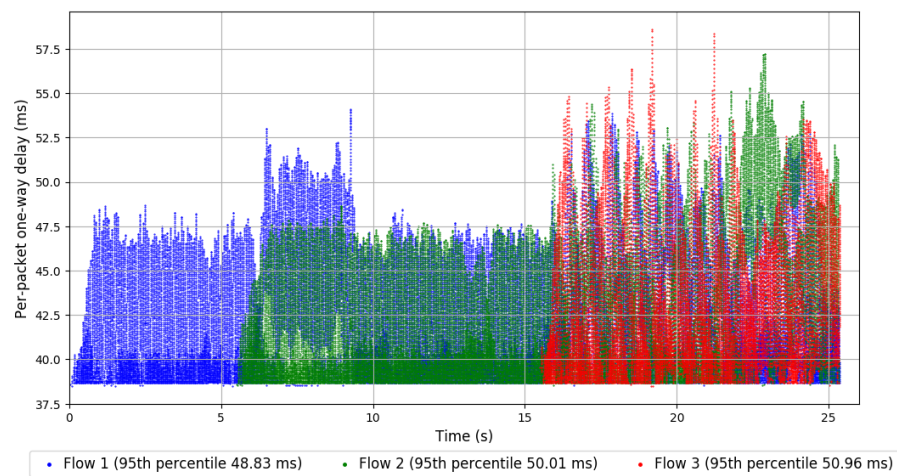
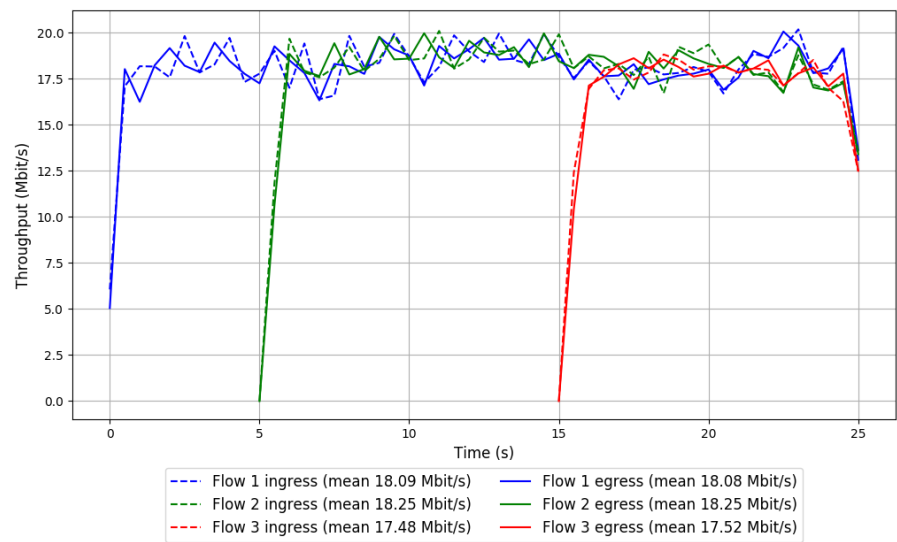


Run 2: Statistics of Sprout

Start at: 2017-11-30 18:21:49  
End at: 2017-11-30 18:22:19  
Local clock offset: 6.435 ms  
Remote clock offset: -22.521 ms

# Below is generated by plot.py at 2017-11-30 23:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 39.19 Mbit/s  
95th percentile per-packet one-way delay: 49.653 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 18.08 Mbit/s  
95th percentile per-packet one-way delay: 48.834 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 18.25 Mbit/s  
95th percentile per-packet one-way delay: 50.013 ms  
Loss rate: 0.31%  
-- Flow 3:  
Average throughput: 17.52 Mbit/s  
95th percentile per-packet one-way delay: 50.959 ms  
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-11-30 18:39:21

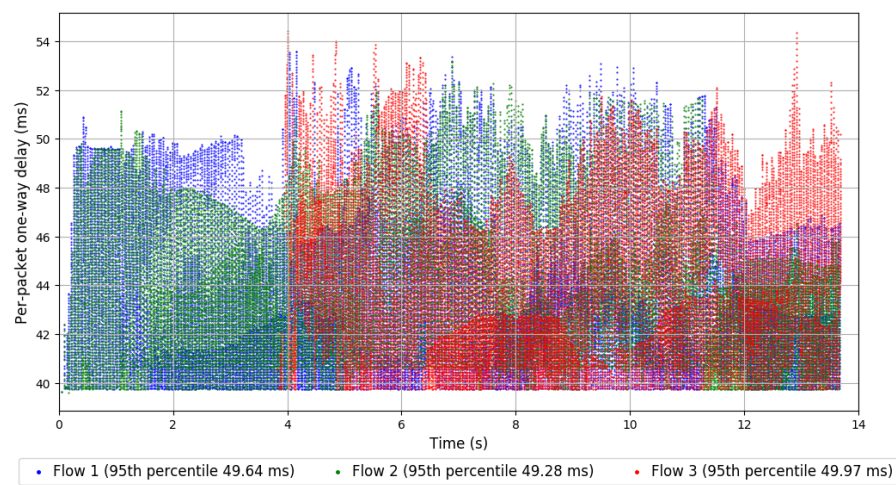
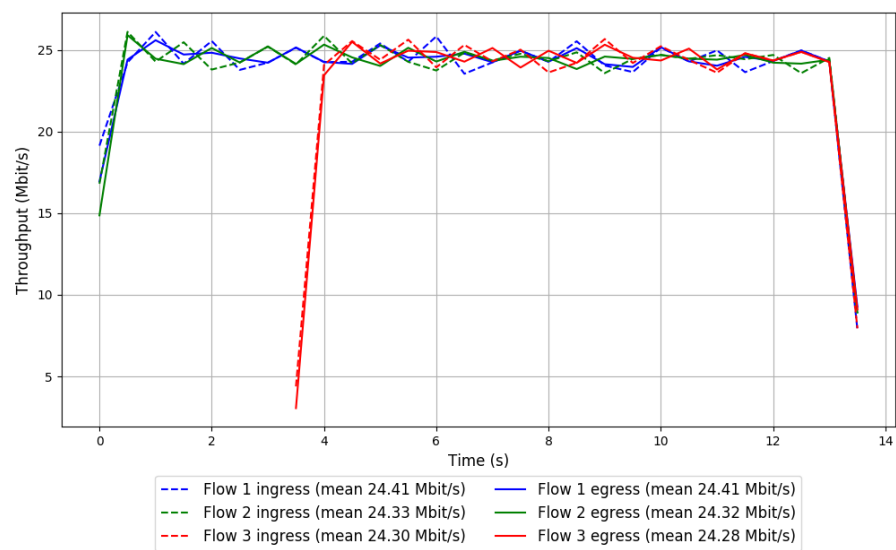
End at: 2017-11-30 18:39:51

Local clock offset: 8.957 ms

Remote clock offset: -21.113 ms



Run 3: Report of Sprout — Data Link

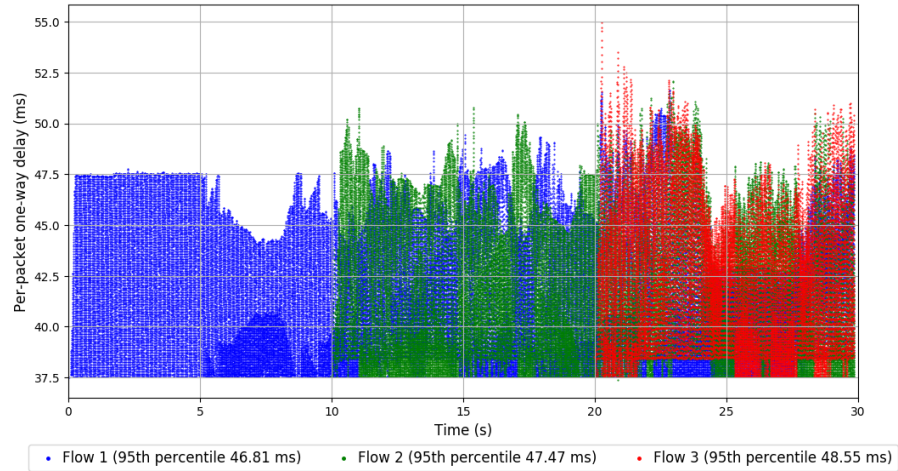
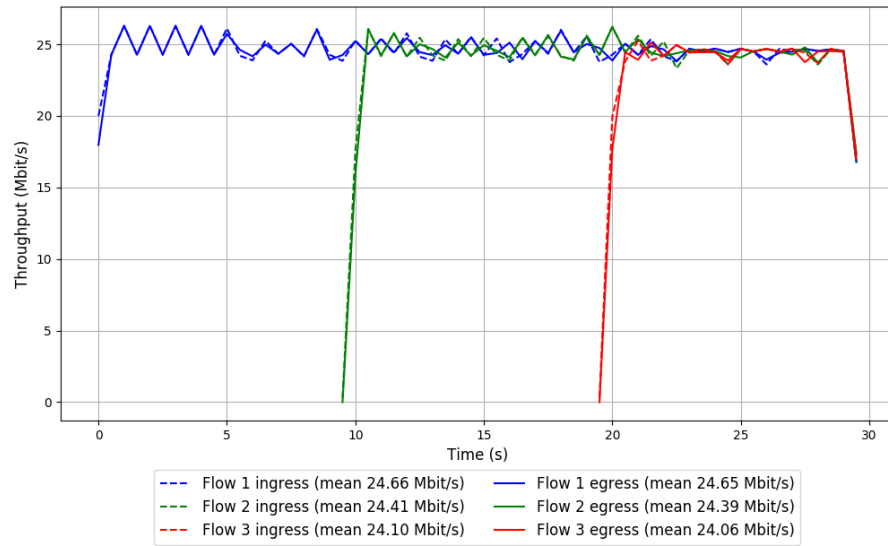


#### Run 4: Statistics of Sprout

Start at: 2017-11-30 18:56:34  
End at: 2017-11-30 18:57:04  
Local clock offset: 7.231 ms  
Remote clock offset: -20.991 ms

```
# Below is generated by plot.py at 2017-11-30 23:43:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 47.327 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 46.807 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 47.474 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 48.545 ms
Loss rate: 0.32%
```

#### Run 4: Report of Sprout — Data Link

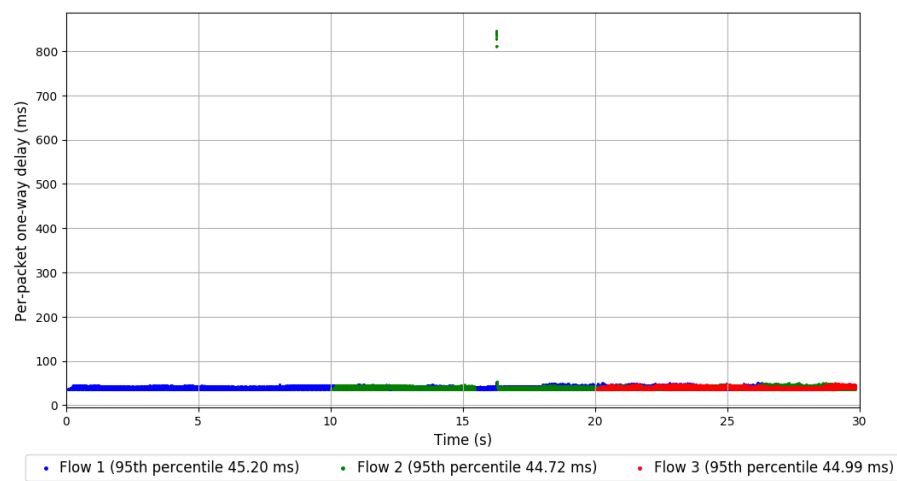
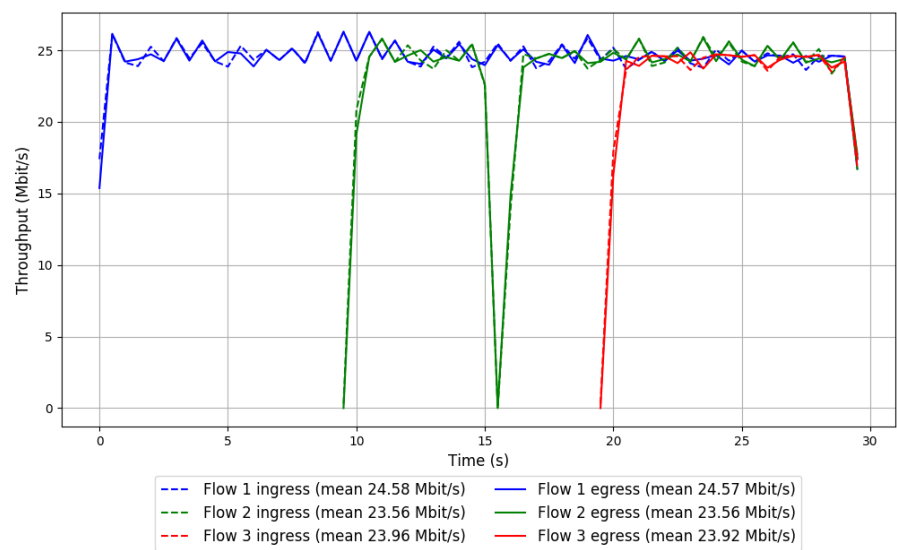


Run 5: Statistics of Sprout

Start at: 2017-11-30 19:13:44  
End at: 2017-11-30 19:14:14  
Local clock offset: 6.122 ms  
Remote clock offset: -20.709 ms

# Below is generated by plot.py at 2017-11-30 23:44:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.19 Mbit/s  
95th percentile per-packet one-way delay: 45.029 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 24.57 Mbit/s  
95th percentile per-packet one-way delay: 45.196 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 23.56 Mbit/s  
95th percentile per-packet one-way delay: 44.723 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 23.92 Mbit/s  
95th percentile per-packet one-way delay: 44.988 ms  
Loss rate: 0.28%

Run 5: Report of Sprout — Data Link

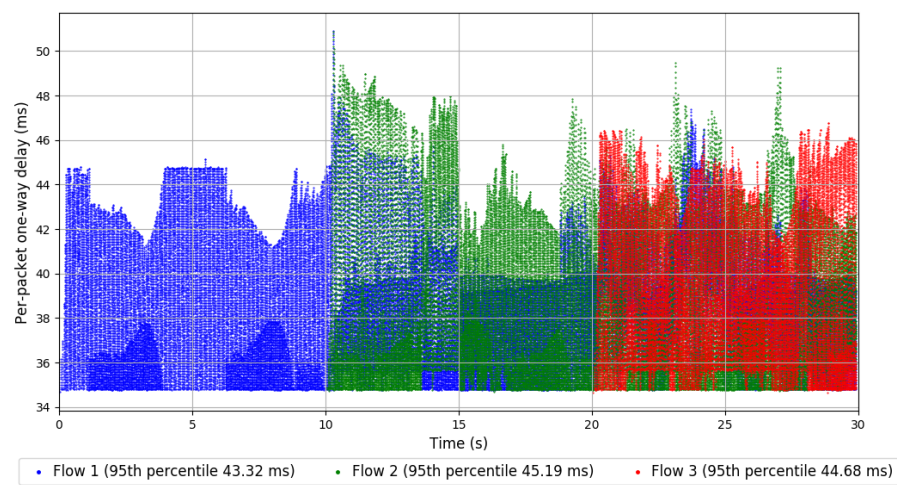
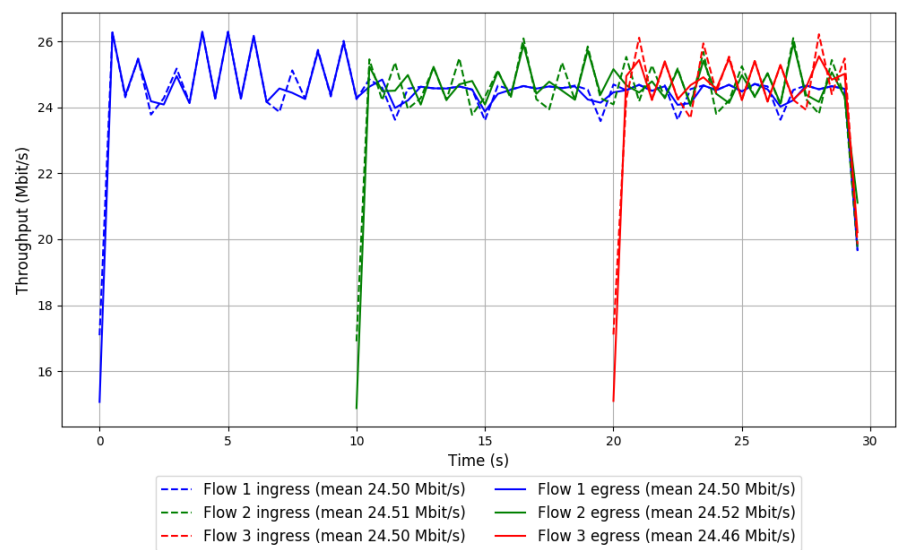


Run 6: Statistics of Sprout

Start at: 2017-11-30 19:30:37  
End at: 2017-11-30 19:31:07  
Local clock offset: 6.607 ms  
Remote clock offset: -21.049 ms

# Below is generated by plot.py at 2017-11-30 23:44:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.87 Mbit/s  
95th percentile per-packet one-way delay: 44.233 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.50 Mbit/s  
95th percentile per-packet one-way delay: 43.316 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 24.52 Mbit/s  
95th percentile per-packet one-way delay: 45.194 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 24.46 Mbit/s  
95th percentile per-packet one-way delay: 44.679 ms  
Loss rate: 0.34%

Run 6: Report of Sprout — Data Link



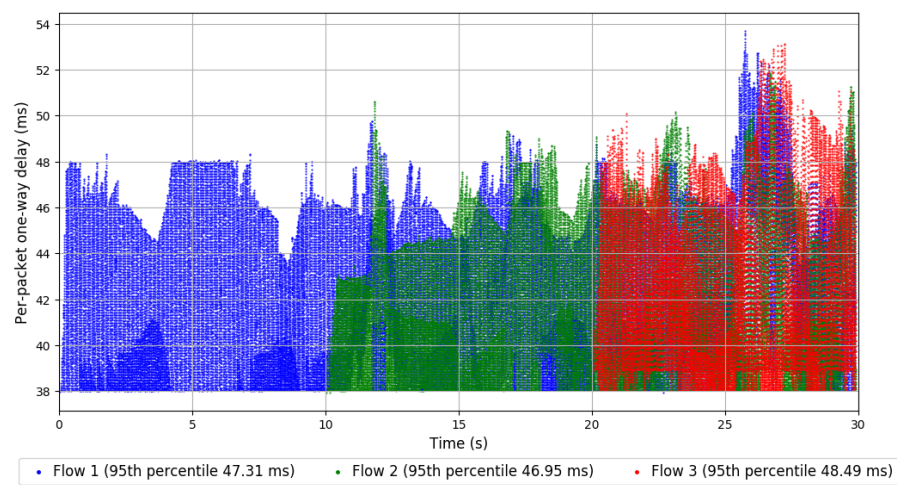
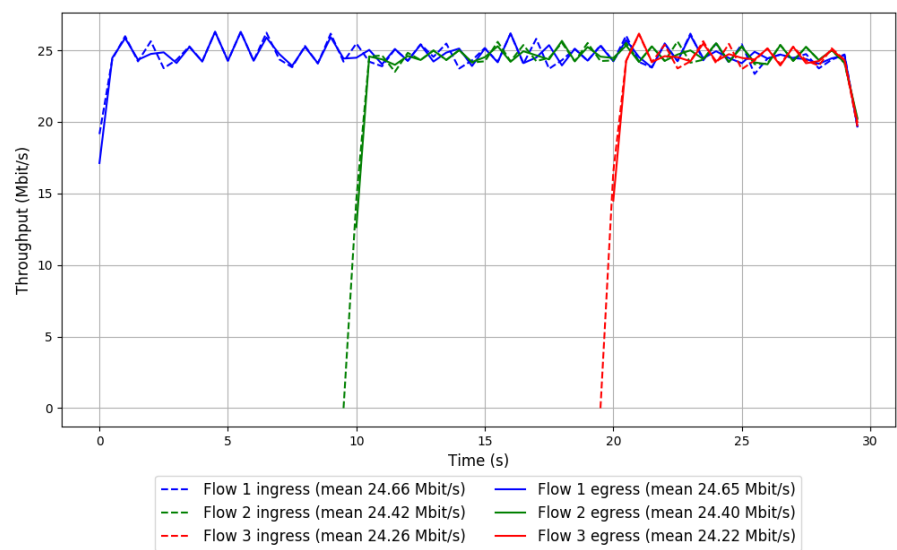
Run 7: Statistics of Sprout

Start at: 2017-11-30 19:48:09  
End at: 2017-11-30 19:48:39  
Local clock offset: 8.578 ms  
Remote clock offset: -20.817 ms

# Below is generated by plot.py at 2017-11-30 23:44:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.89 Mbit/s  
95th percentile per-packet one-way delay: 47.462 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 24.65 Mbit/s  
95th percentile per-packet one-way delay: 47.315 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 46.949 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 24.22 Mbit/s  
95th percentile per-packet one-way delay: 48.492 ms  
Loss rate: 0.35%



Run 7: Report of Sprout — Data Link

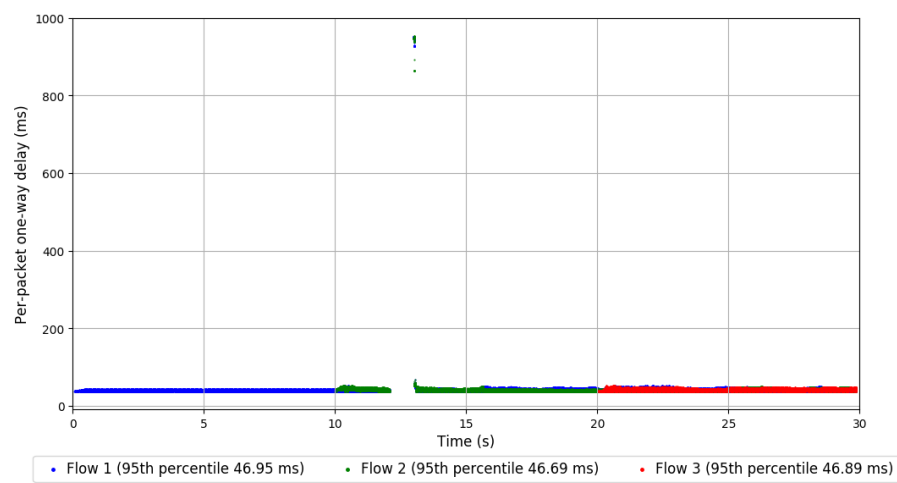
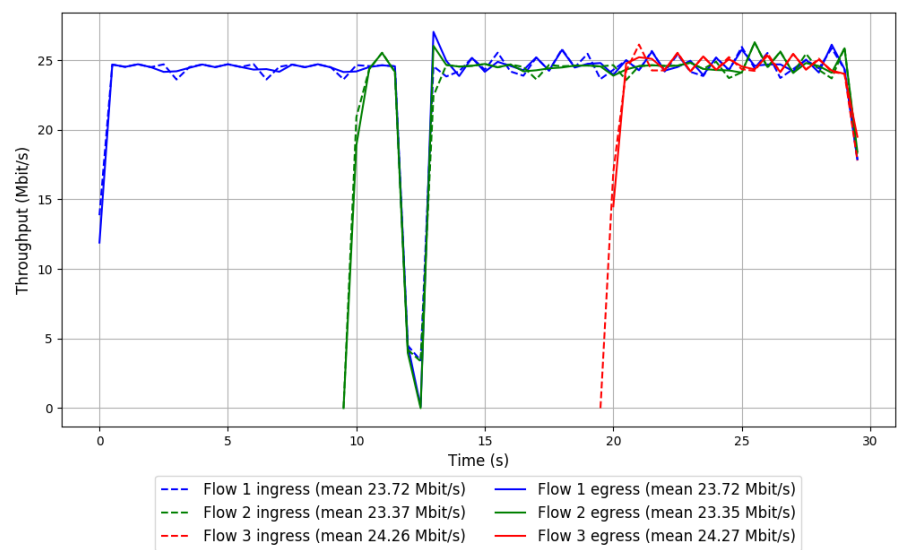


Run 8: Statistics of Sprout

Start at: 2017-11-30 20:05:30  
End at: 2017-11-30 20:06:00  
Local clock offset: 6.343 ms  
Remote clock offset: -21.384 ms

# Below is generated by plot.py at 2017-11-30 23:44:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.29 Mbit/s  
95th percentile per-packet one-way delay: 46.860 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 23.72 Mbit/s  
95th percentile per-packet one-way delay: 46.953 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 23.35 Mbit/s  
95th percentile per-packet one-way delay: 46.686 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 46.893 ms  
Loss rate: 0.05%

Run 8: Report of Sprout — Data Link

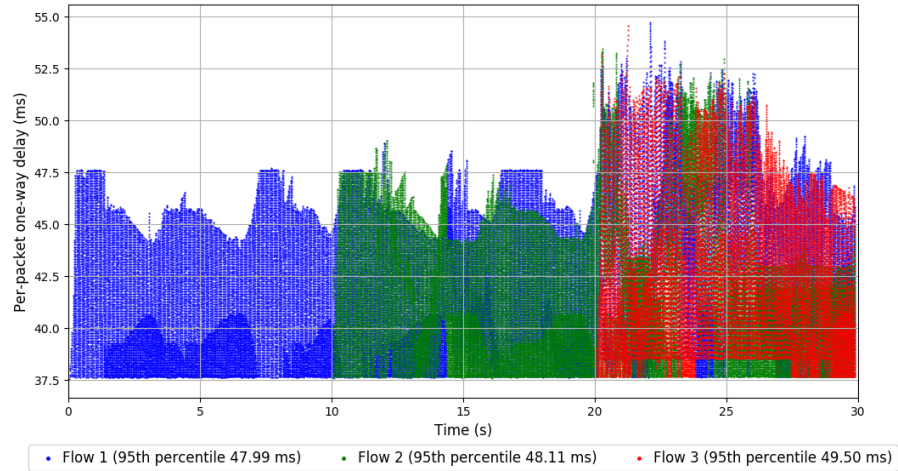
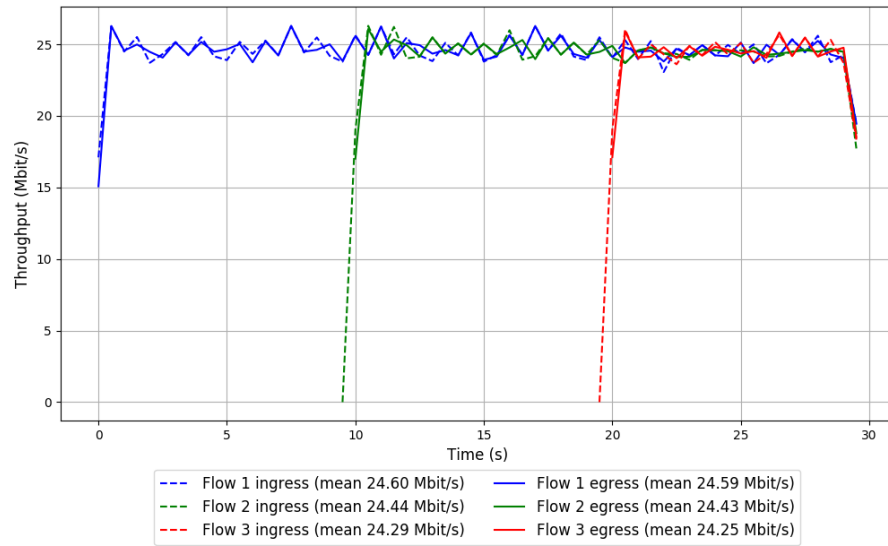


Run 9: Statistics of Sprout

Start at: 2017-11-30 20:23:02  
End at: 2017-11-30 20:23:32  
Local clock offset: 5.035 ms  
Remote clock offset: -21.27 ms

# Below is generated by plot.py at 2017-11-30 23:44:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.87 Mbit/s  
95th percentile per-packet one-way delay: 48.473 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 24.59 Mbit/s  
95th percentile per-packet one-way delay: 47.993 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 24.43 Mbit/s  
95th percentile per-packet one-way delay: 48.113 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 24.25 Mbit/s  
95th percentile per-packet one-way delay: 49.498 ms  
Loss rate: 0.33%

# Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

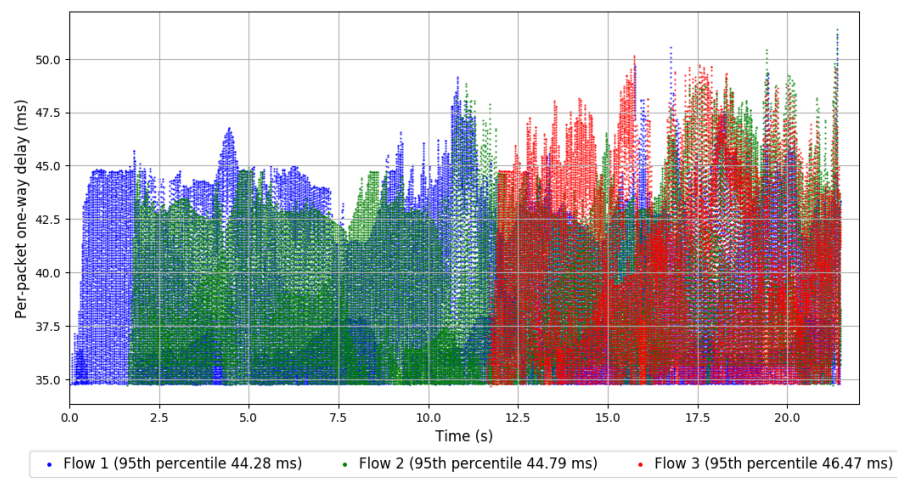
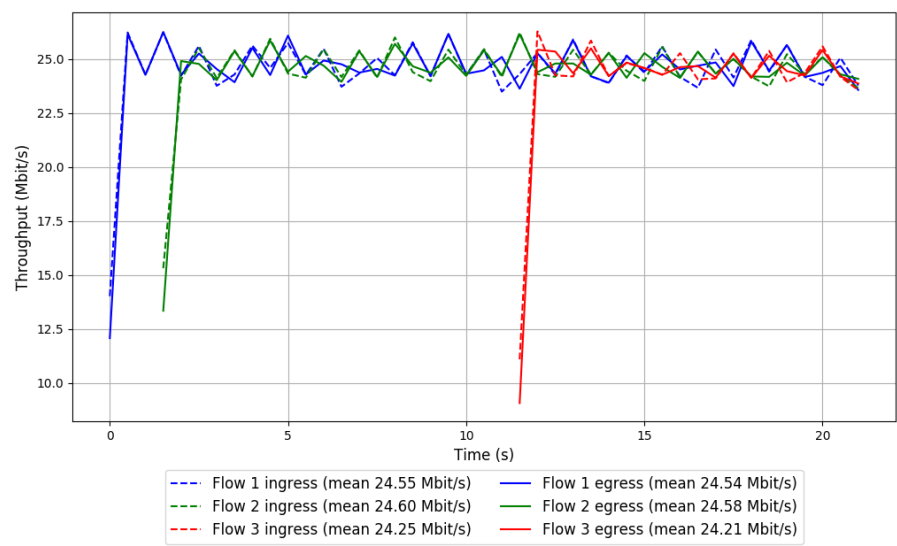
Start at: 2017-11-30 20:39:54

End at: 2017-11-30 20:40:24

Local clock offset: 4.861 ms

Remote clock offset: -18.072 ms

Run 10: Report of Sprout — Data Link



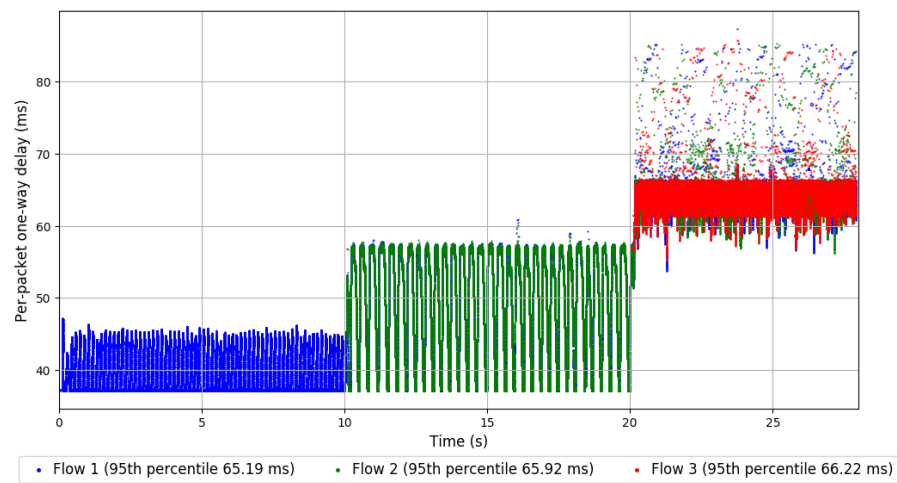
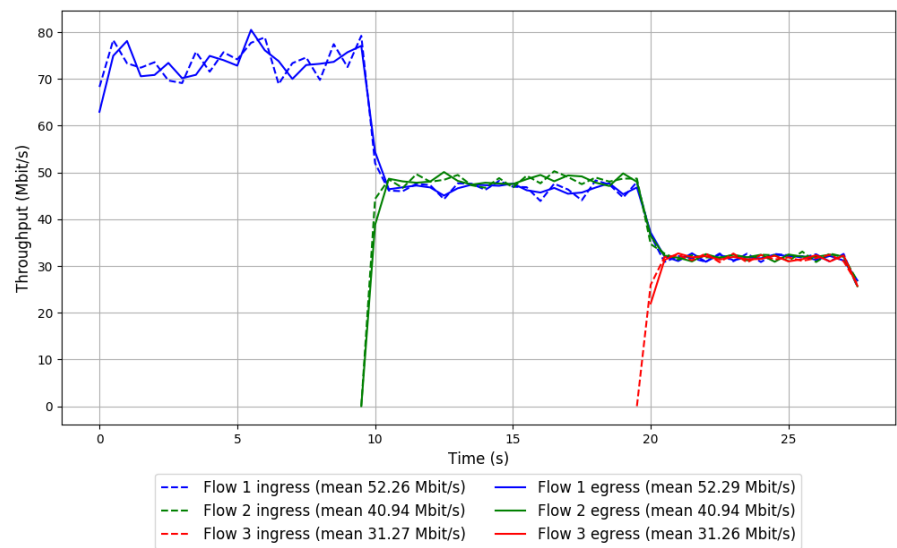
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-30 18:06:42
End at: 2017-11-30 18:07:12
Local clock offset: 6.996 ms
Remote clock offset: -20.691 ms

# Below is generated by plot.py at 2017-11-30 23:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 65.850 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.29 Mbit/s
95th percentile per-packet one-way delay: 65.187 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 65.923 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 66.225 ms
Loss rate: 0.85%
```



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

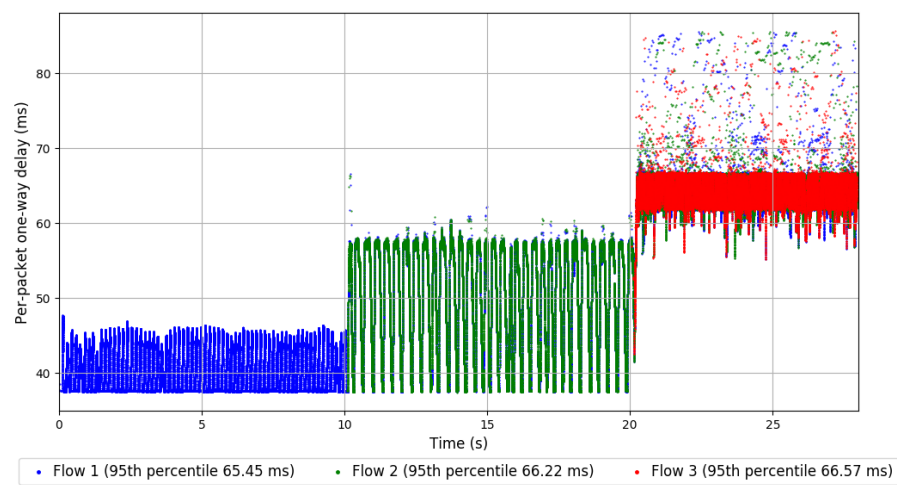
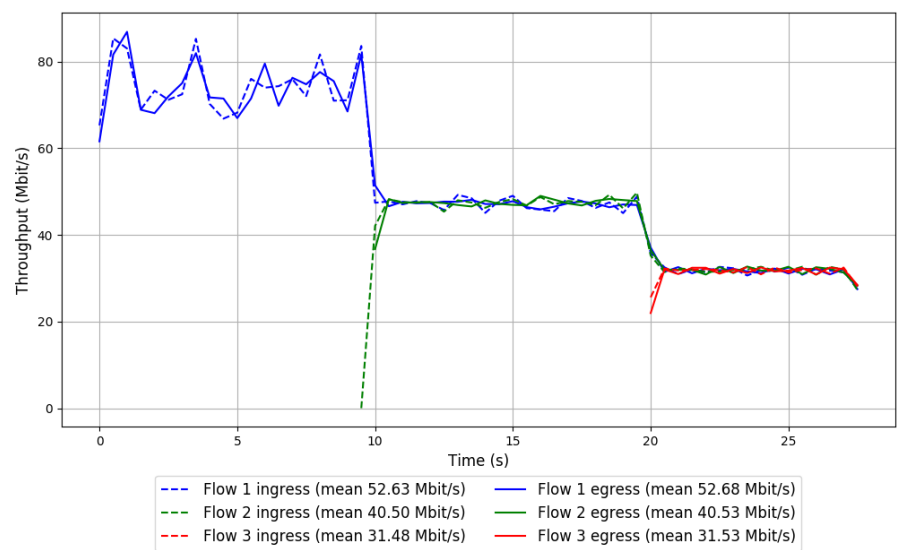


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-30 18:24:17  
End at: 2017-11-30 18:24:47  
Local clock offset: 6.422 ms  
Remote clock offset: -21.452 ms

# Below is generated by plot.py at 2017-11-30 23:45:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.57 Mbit/s  
95th percentile per-packet one-way delay: 66.125 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 52.68 Mbit/s  
95th percentile per-packet one-way delay: 65.453 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 40.53 Mbit/s  
95th percentile per-packet one-way delay: 66.215 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 31.53 Mbit/s  
95th percentile per-packet one-way delay: 66.571 ms  
Loss rate: 0.73%

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

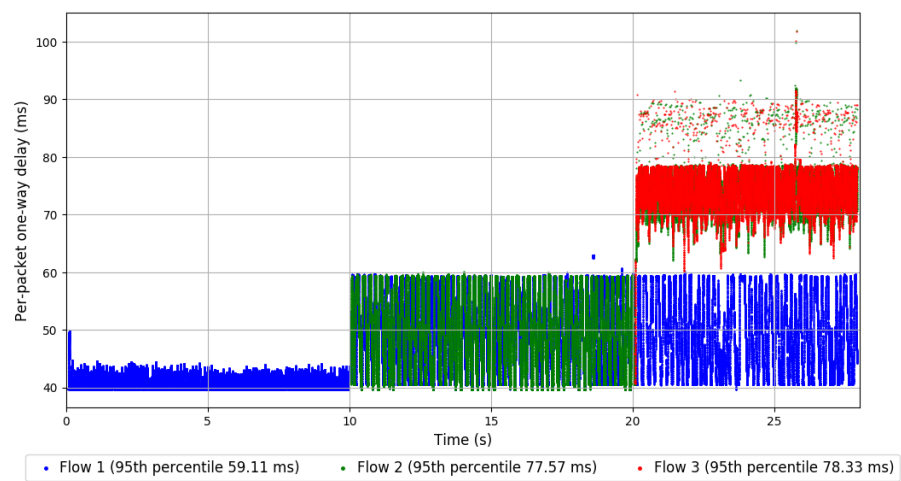
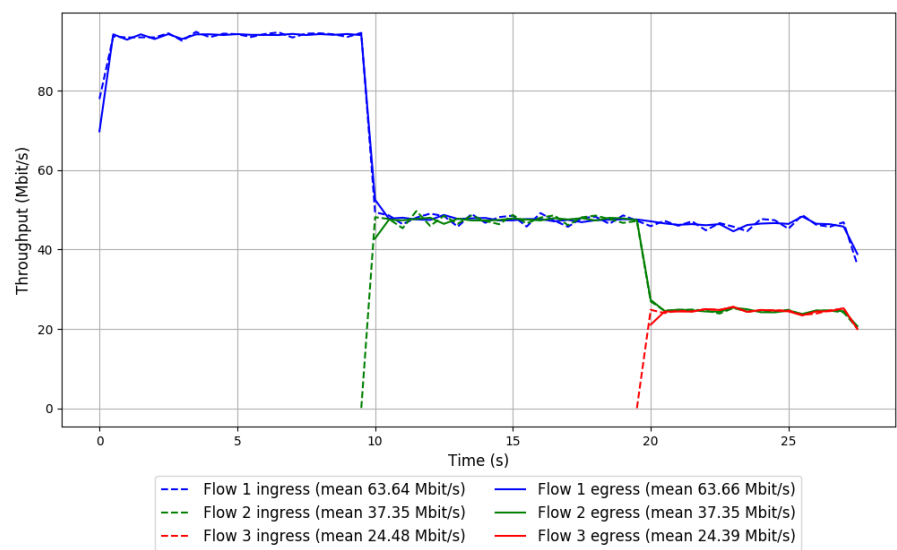


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-30 18:41:39  
End at: 2017-11-30 18:42:09  
Local clock offset: 8.126 ms  
Remote clock offset: -21.945 ms

# Below is generated by plot.py at 2017-11-30 23:46:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.57 Mbit/s  
95th percentile per-packet one-way delay: 75.864 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 63.66 Mbit/s  
95th percentile per-packet one-way delay: 59.110 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 37.35 Mbit/s  
95th percentile per-packet one-way delay: 77.574 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 24.39 Mbit/s  
95th percentile per-packet one-way delay: 78.328 ms  
Loss rate: 0.93%

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

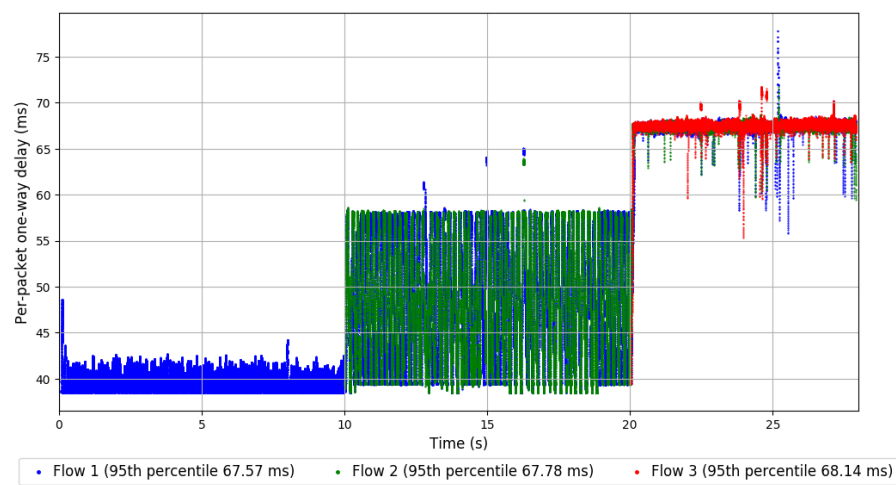
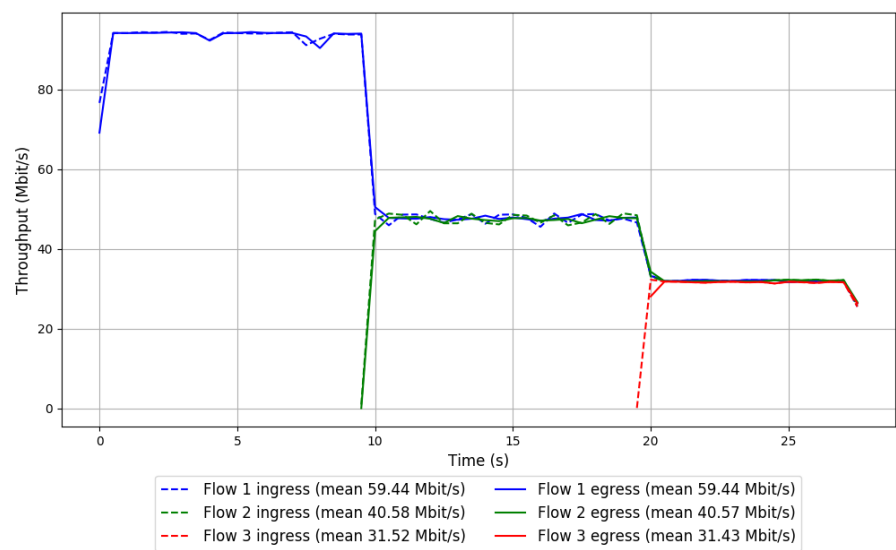


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-30 18:58:56  
End at: 2017-11-30 18:59:26  
Local clock offset: 7.128 ms  
Remote clock offset: -22.14 ms

# Below is generated by plot.py at 2017-11-30 23:46:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.45 Mbit/s  
95th percentile per-packet one-way delay: 67.798 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 59.44 Mbit/s  
95th percentile per-packet one-way delay: 67.574 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.57 Mbit/s  
95th percentile per-packet one-way delay: 67.784 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.43 Mbit/s  
95th percentile per-packet one-way delay: 68.142 ms  
Loss rate: 0.69%

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



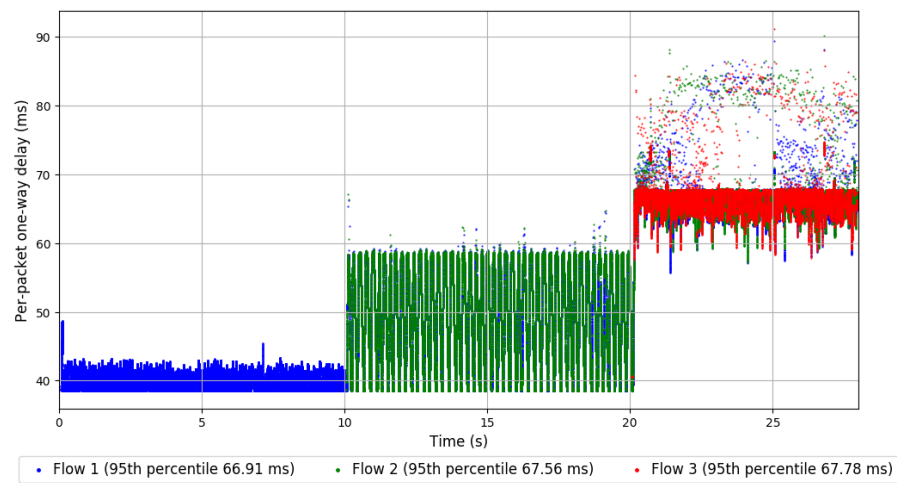
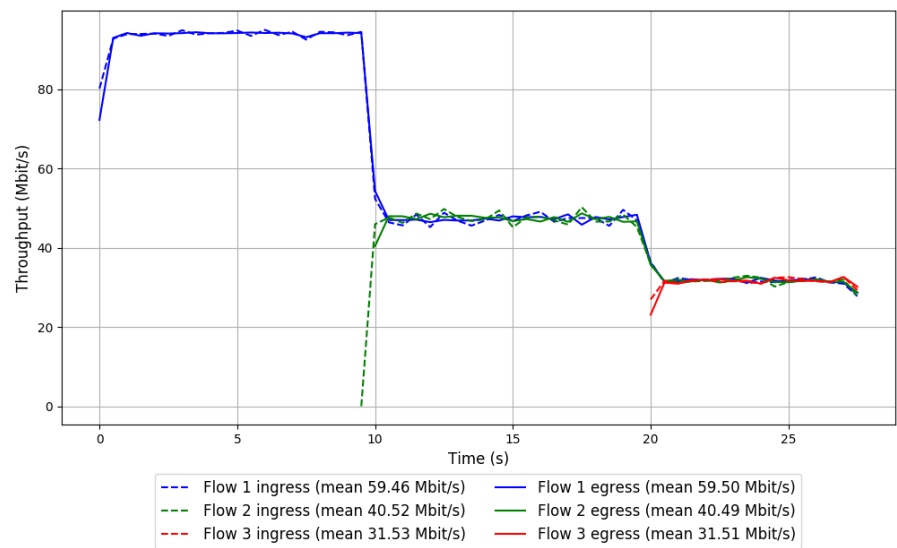
Run 5: Statistics of TaoVA-100x

Start at: 2017-11-30 19:16:03  
End at: 2017-11-30 19:16:33  
Local clock offset: 8.188 ms  
Remote clock offset: -21.522 ms

# Below is generated by plot.py at 2017-11-30 23:46:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.39 Mbit/s  
95th percentile per-packet one-way delay: 67.459 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 59.50 Mbit/s  
95th percentile per-packet one-way delay: 66.908 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.49 Mbit/s  
95th percentile per-packet one-way delay: 67.561 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 31.51 Mbit/s  
95th percentile per-packet one-way delay: 67.784 ms  
Loss rate: 0.69%



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

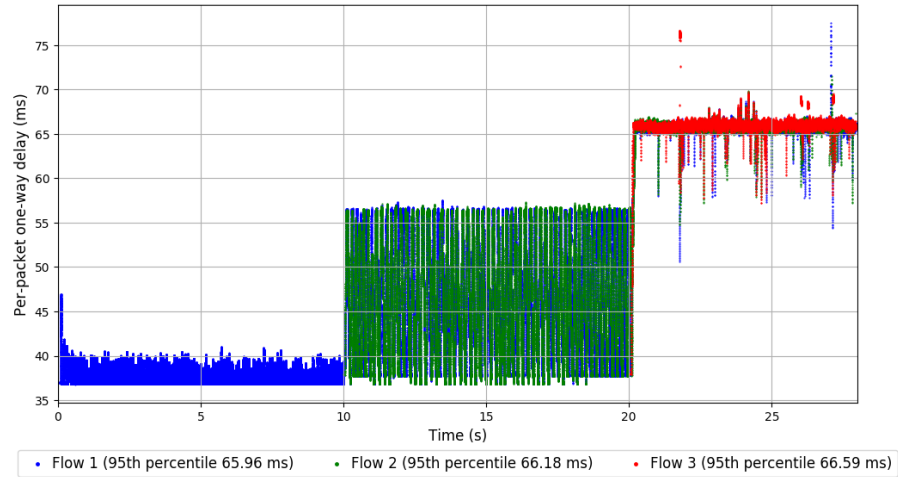
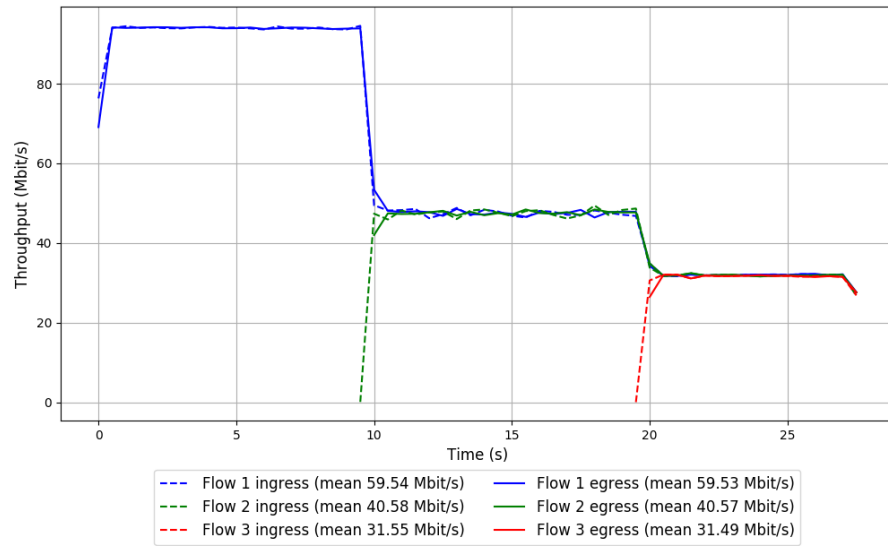


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-30 19:33:03  
End at: 2017-11-30 19:33:33  
Local clock offset: 7.921 ms  
Remote clock offset: -21.86 ms

# Below is generated by plot.py at 2017-11-30 23:46:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.52 Mbit/s  
95th percentile per-packet one-way delay: 66.187 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 59.53 Mbit/s  
95th percentile per-packet one-way delay: 65.958 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.57 Mbit/s  
95th percentile per-packet one-way delay: 66.182 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 31.49 Mbit/s  
95th percentile per-packet one-way delay: 66.593 ms  
Loss rate: 0.68%

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

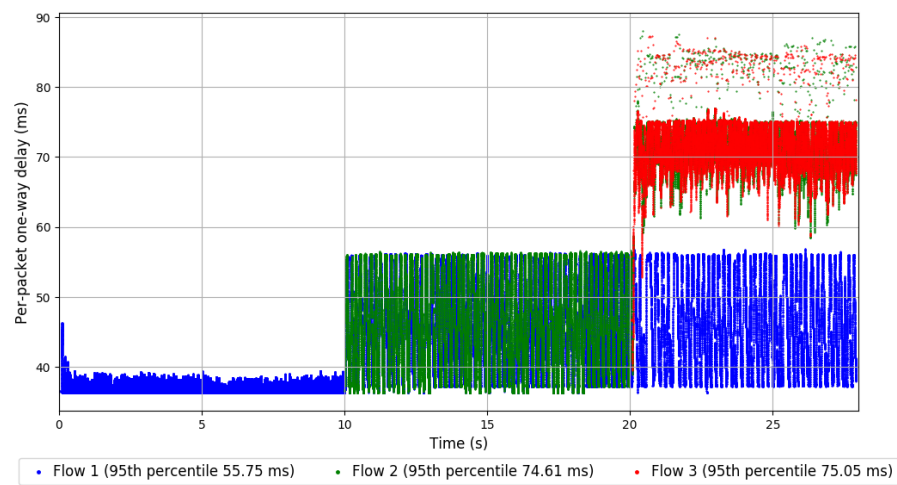
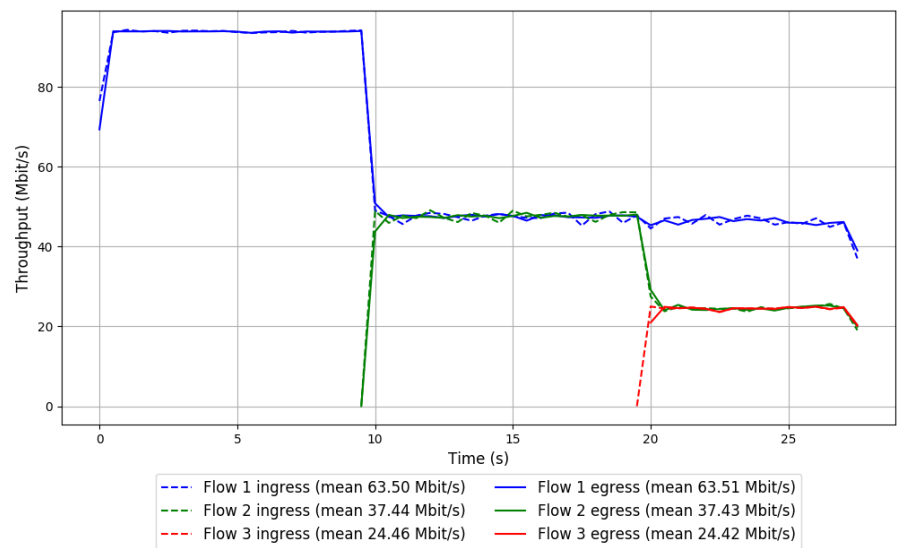


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-30 19:50:30  
End at: 2017-11-30 19:51:00  
Local clock offset: 5.943 ms  
Remote clock offset: -21.537 ms

# Below is generated by plot.py at 2017-11-30 23:46:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.48 Mbit/s  
95th percentile per-packet one-way delay: 73.058 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 63.51 Mbit/s  
95th percentile per-packet one-way delay: 55.753 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 37.43 Mbit/s  
95th percentile per-packet one-way delay: 74.611 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 24.42 Mbit/s  
95th percentile per-packet one-way delay: 75.046 ms  
Loss rate: 0.78%

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

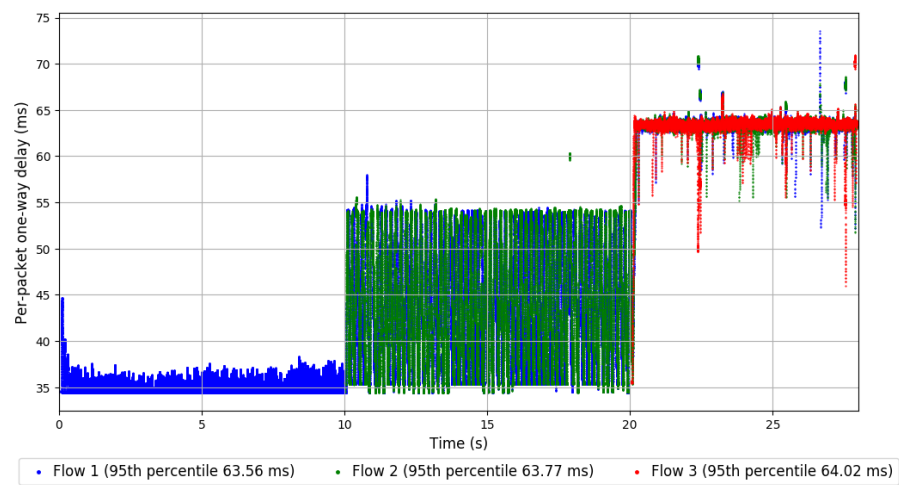
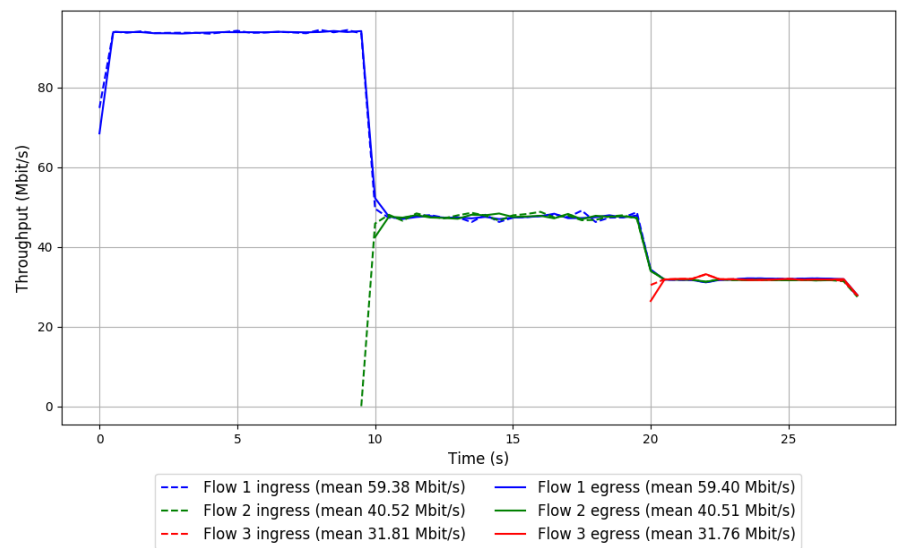


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-30 20:07:58  
End at: 2017-11-30 20:08:28  
Local clock offset: 3.488 ms  
Remote clock offset: -20.722 ms

# Below is generated by plot.py at 2017-11-30 23:46:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.42 Mbit/s  
95th percentile per-packet one-way delay: 63.742 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 59.40 Mbit/s  
95th percentile per-packet one-way delay: 63.560 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.51 Mbit/s  
95th percentile per-packet one-way delay: 63.768 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.76 Mbit/s  
95th percentile per-packet one-way delay: 64.018 ms  
Loss rate: 0.67%

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



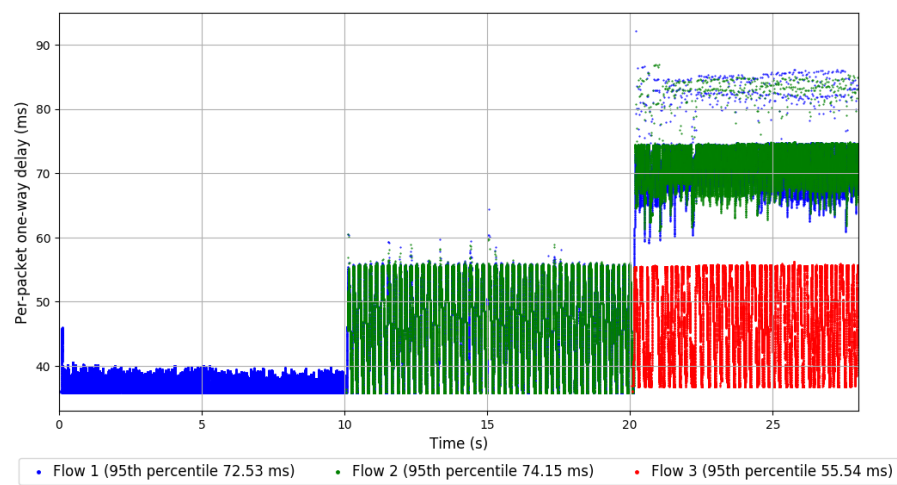
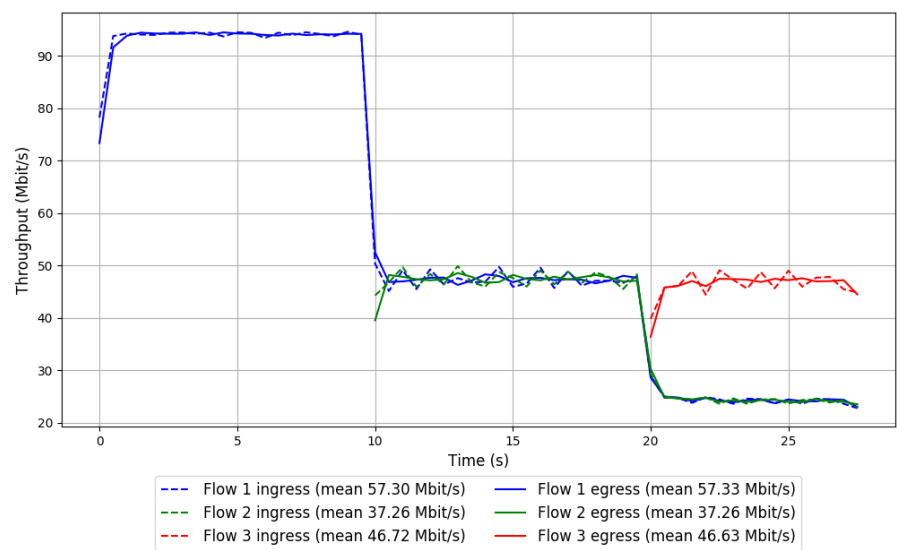
Run 9: Statistics of TaoVA-100x

Start at: 2017-11-30 20:25:21  
End at: 2017-11-30 20:25:51  
Local clock offset: 4.66 ms  
Remote clock offset: -19.726 ms

# Below is generated by plot.py at 2017-11-30 23:48:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.44 Mbit/s  
95th percentile per-packet one-way delay: 73.137 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 57.33 Mbit/s  
95th percentile per-packet one-way delay: 72.526 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 37.26 Mbit/s  
95th percentile per-packet one-way delay: 74.147 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 46.63 Mbit/s  
95th percentile per-packet one-way delay: 55.537 ms  
Loss rate: 0.52%



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



Run 10: Statistics of TaoVA-100x

Start at: 2017-11-30 20:42:11

End at: 2017-11-30 20:42:41

Local clock offset: 3.6 ms

Remote clock offset: -18.752 ms

# Below is generated by plot.py at 2017-11-30 23:48:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 62.801 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 59.18 Mbit/s

95th percentile per-packet one-way delay: 62.024 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 62.983 ms

Loss rate: 0.22%

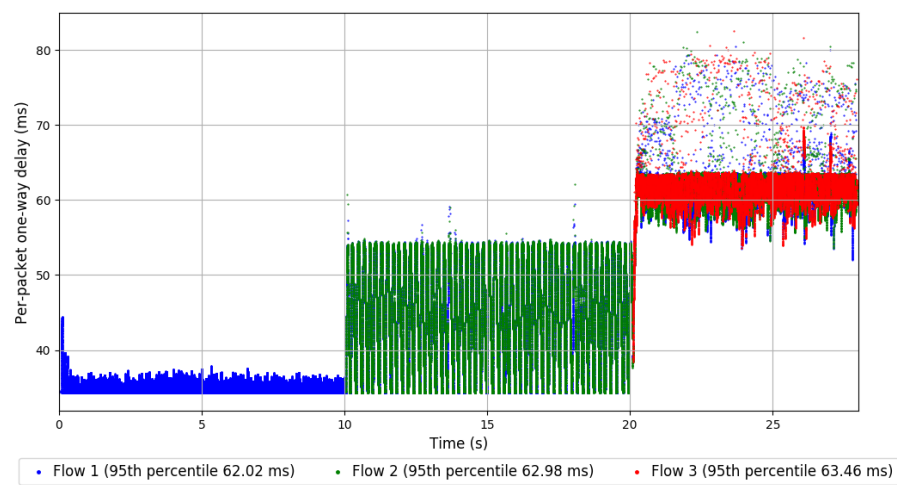
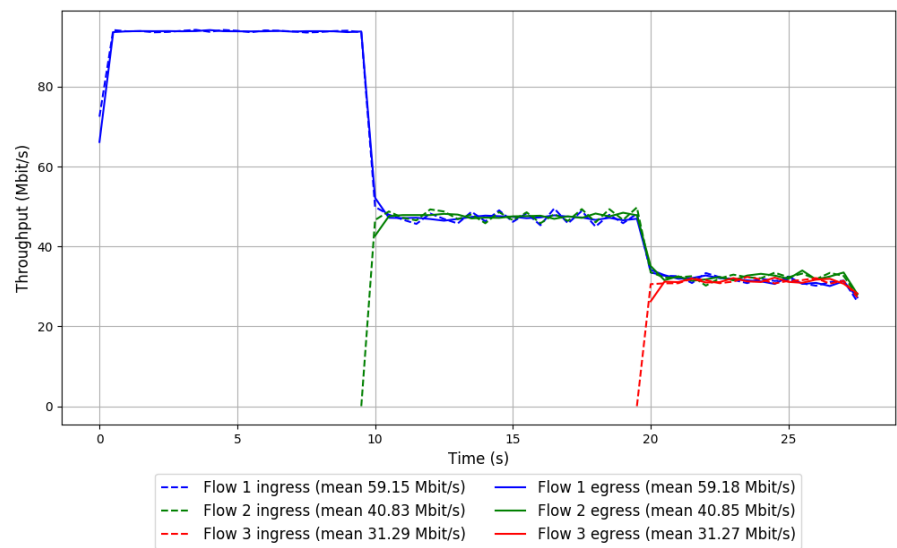
-- Flow 3:

Average throughput: 31.27 Mbit/s

95th percentile per-packet one-way delay: 63.456 ms

Loss rate: 0.66%

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

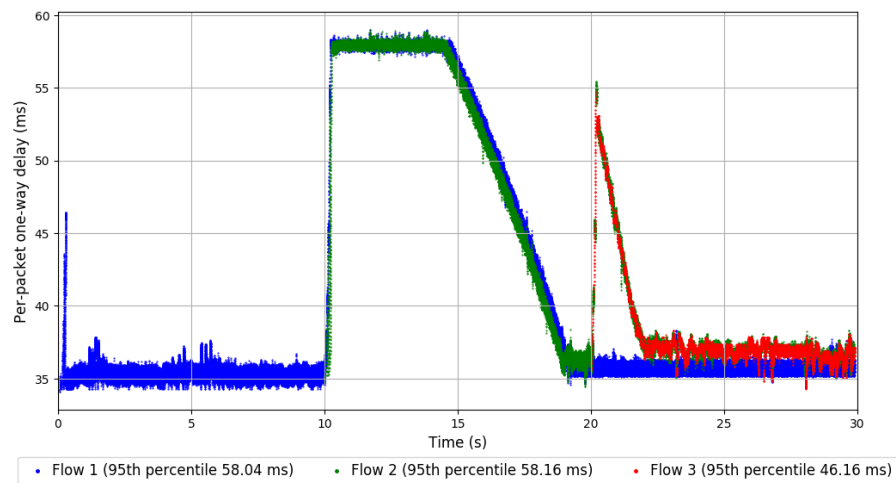
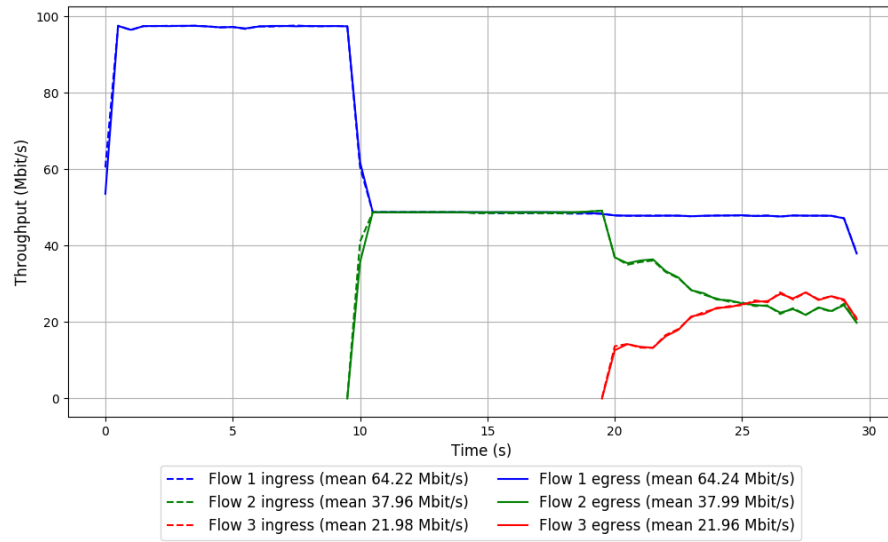


Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 18:05:28  
End at: 2017-11-30 18:05:58  
Local clock offset: 3.549 ms  
Remote clock offset: -21.294 ms

# Below is generated by plot.py at 2017-11-30 23:48:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 58.084 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 64.24 Mbit/s  
95th percentile per-packet one-way delay: 58.036 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 37.99 Mbit/s  
95th percentile per-packet one-way delay: 58.165 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 21.96 Mbit/s  
95th percentile per-packet one-way delay: 46.157 ms  
Loss rate: 0.46%

# Run 1: Report of TCP Vegas — Data Link

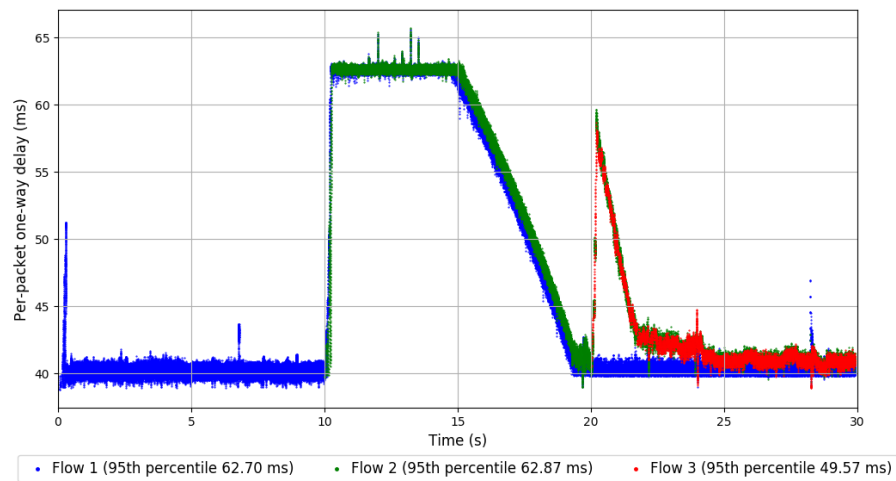
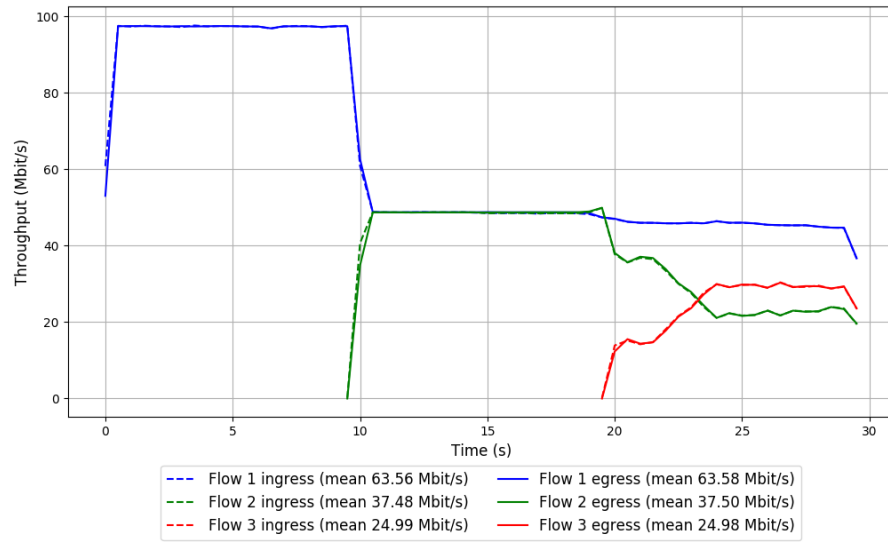


Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 18:23:00  
End at: 2017-11-30 18:23:30  
Local clock offset: 6.343 ms  
Remote clock offset: -22.886 ms

# Below is generated by plot.py at 2017-11-30 23:48:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.88 Mbit/s  
95th percentile per-packet one-way delay: 62.776 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 63.58 Mbit/s  
95th percentile per-packet one-way delay: 62.700 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 37.50 Mbit/s  
95th percentile per-packet one-way delay: 62.868 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 24.98 Mbit/s  
95th percentile per-packet one-way delay: 49.573 ms  
Loss rate: 0.46%

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



Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 18:40:28

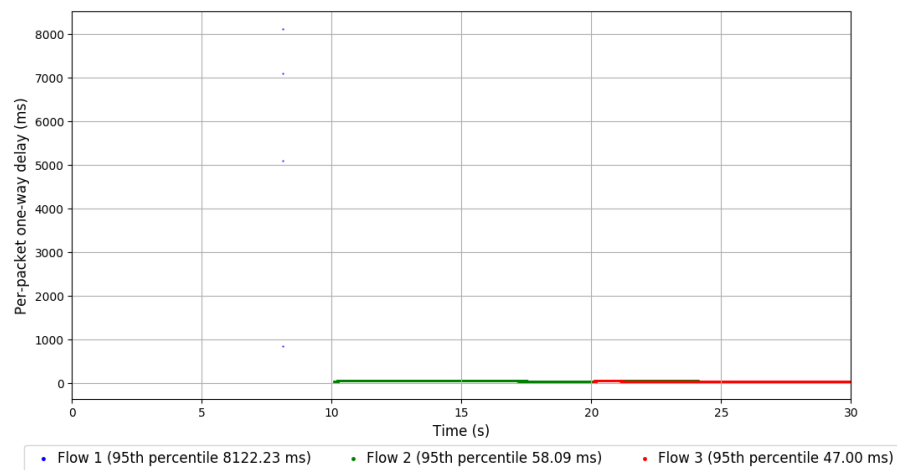
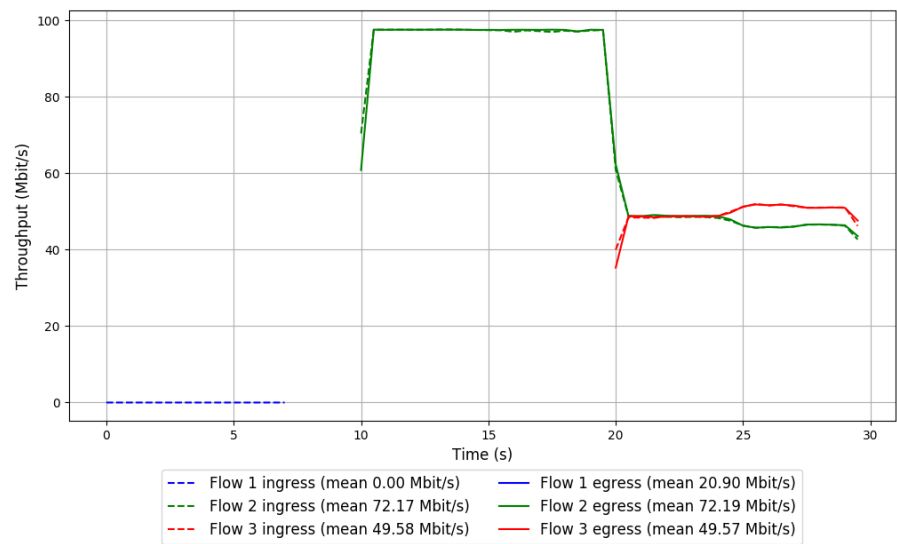
End at: 2017-11-30 18:40:58

Local clock offset: 6.348 ms

Remote clock offset: -21.308 ms



Run 3: Report of TCP Vegas — Data Link

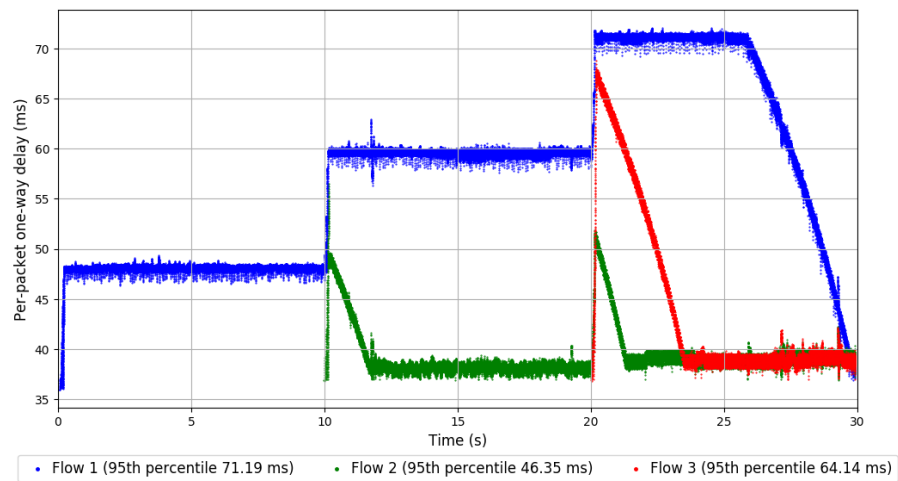
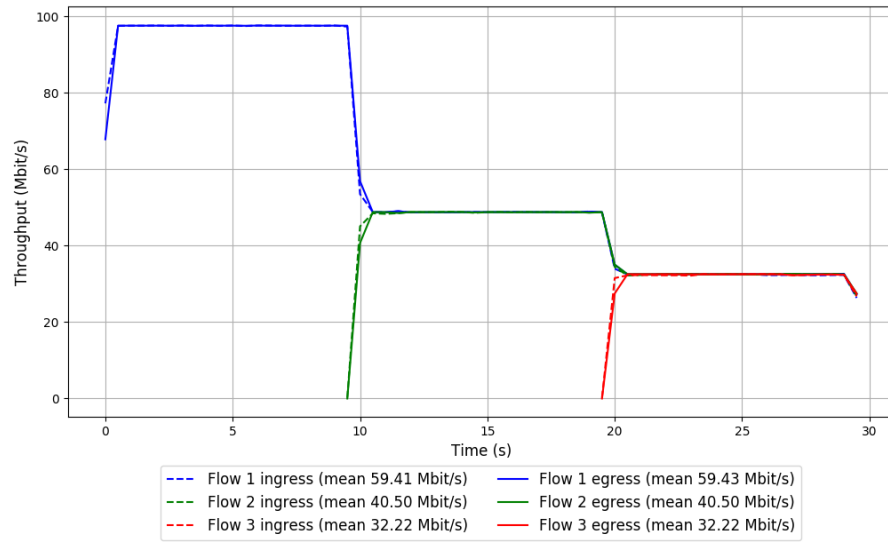


Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 18:57:42  
End at: 2017-11-30 18:58:12  
Local clock offset: 5.669 ms  
Remote clock offset: -21.084 ms

# Below is generated by plot.py at 2017-11-30 23:48:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 71.012 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 59.43 Mbit/s  
95th percentile per-packet one-way delay: 71.186 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 40.50 Mbit/s  
95th percentile per-packet one-way delay: 46.353 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 32.22 Mbit/s  
95th percentile per-packet one-way delay: 64.137 ms  
Loss rate: 0.28%

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

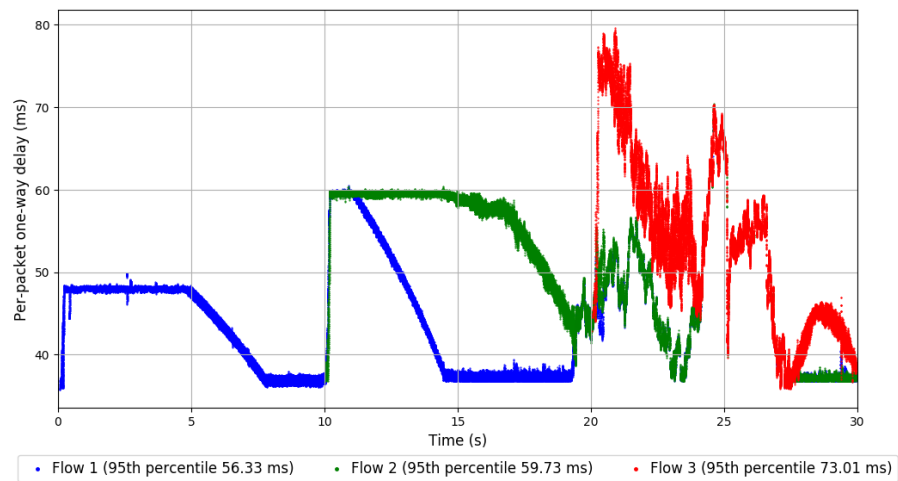
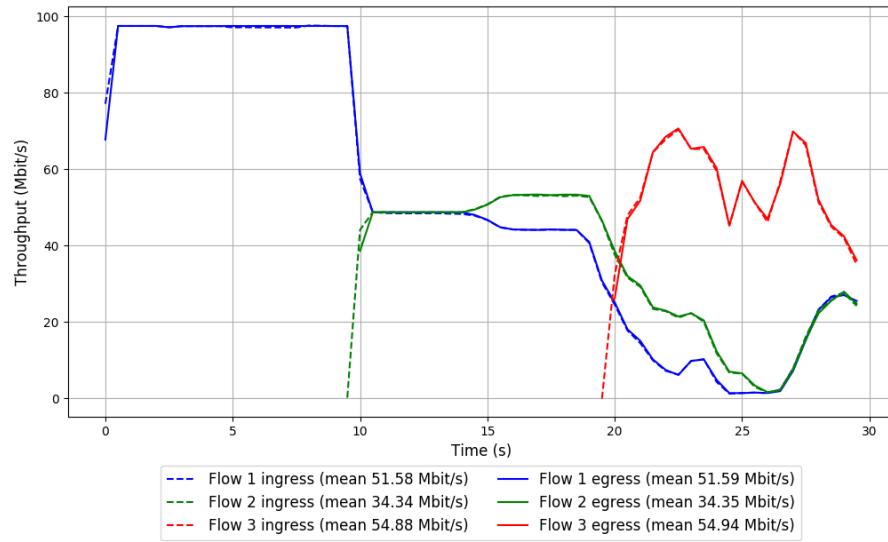


Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 19:14:52  
End at: 2017-11-30 19:15:22  
Local clock offset: 4.622 ms  
Remote clock offset: -22.383 ms

# Below is generated by plot.py at 2017-11-30 23:48:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.71 Mbit/s  
95th percentile per-packet one-way delay: 59.836 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 51.59 Mbit/s  
95th percentile per-packet one-way delay: 56.329 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 34.35 Mbit/s  
95th percentile per-packet one-way delay: 59.725 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 54.94 Mbit/s  
95th percentile per-packet one-way delay: 73.008 ms  
Loss rate: 0.21%

# Run 5: Report of TCP Vegas — Data Link

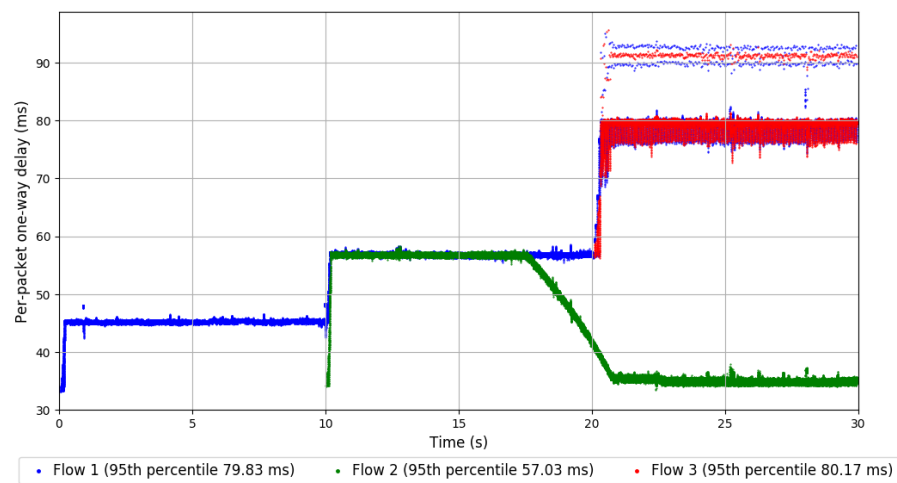
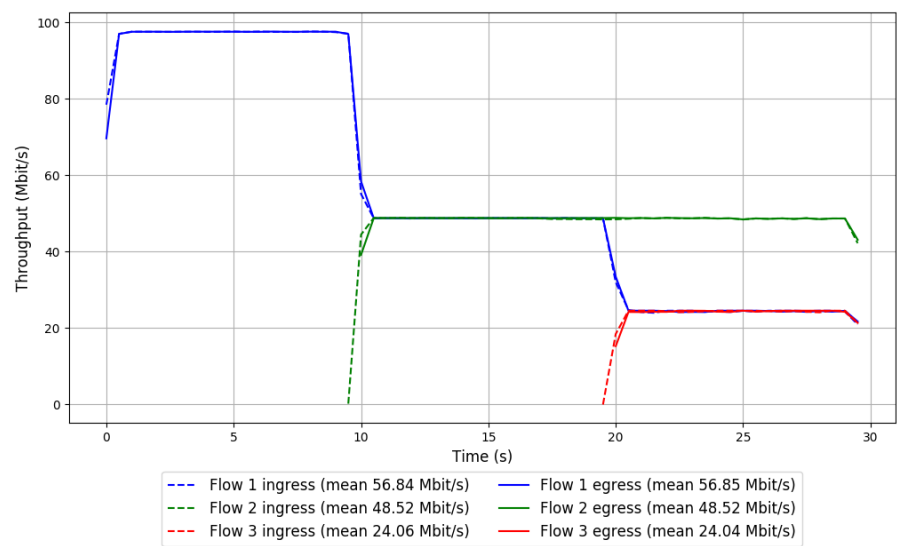


Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 19:31:47  
End at: 2017-11-30 19:32:17  
Local clock offset: 5.929 ms  
Remote clock offset: -20.216 ms

# Below is generated by plot.py at 2017-11-30 23:48:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 79.870 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 56.85 Mbit/s  
95th percentile per-packet one-way delay: 79.831 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.52 Mbit/s  
95th percentile per-packet one-way delay: 57.033 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 24.04 Mbit/s  
95th percentile per-packet one-way delay: 80.168 ms  
Loss rate: 0.74%

Run 6: Report of TCP Vegas — Data Link



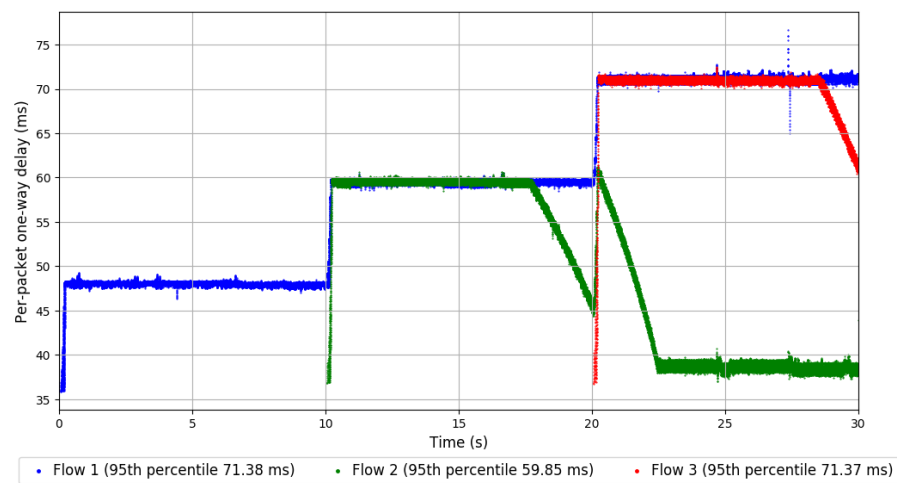
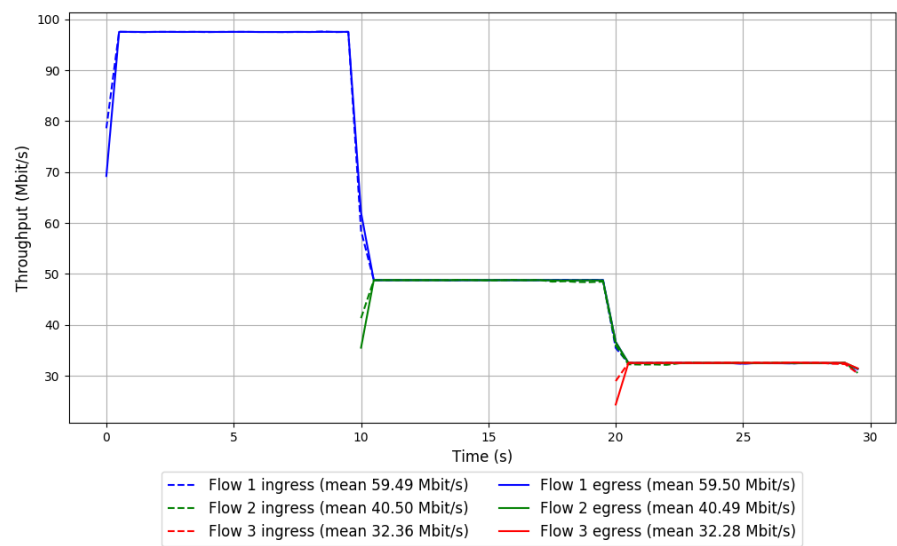
Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 19:49:18  
End at: 2017-11-30 19:49:48  
Local clock offset: 5.726 ms  
Remote clock offset: -21.493 ms

# Below is generated by plot.py at 2017-11-30 23:48:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 71.310 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 59.50 Mbit/s  
95th percentile per-packet one-way delay: 71.378 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.49 Mbit/s  
95th percentile per-packet one-way delay: 59.847 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 32.28 Mbit/s  
95th percentile per-packet one-way delay: 71.366 ms  
Loss rate: 0.50%



Run 7: Report of TCP Vegas — Data Link

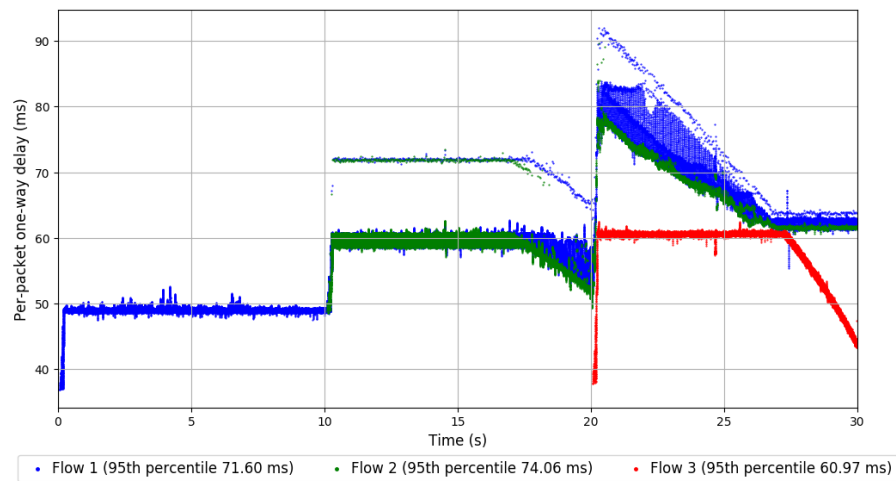
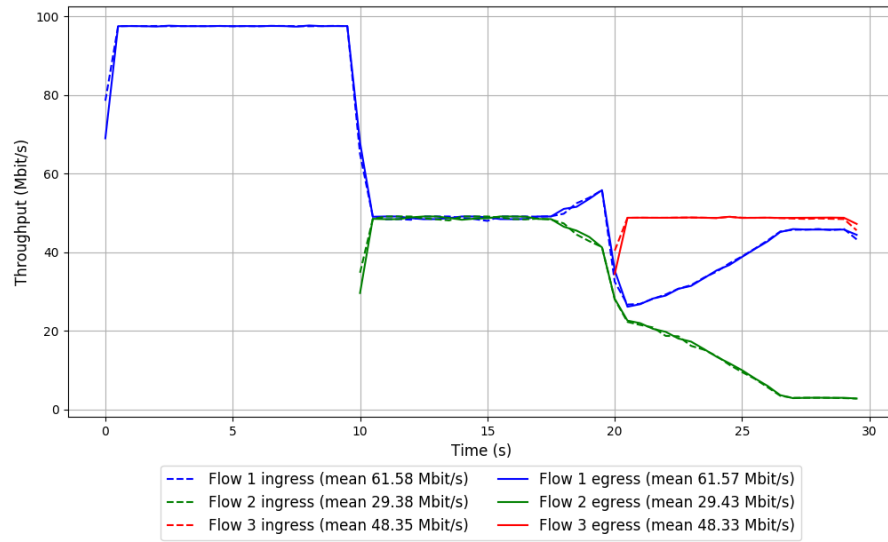


Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 20:06:42  
End at: 2017-11-30 20:07:12  
Local clock offset: 6.057 ms  
Remote clock offset: -20.89 ms

# Below is generated by plot.py at 2017-11-30 23:49:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 71.549 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 61.57 Mbit/s  
95th percentile per-packet one-way delay: 71.597 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 29.43 Mbit/s  
95th percentile per-packet one-way delay: 74.060 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 48.33 Mbit/s  
95th percentile per-packet one-way delay: 60.970 ms  
Loss rate: 0.31%

# Run 8: Report of TCP Vegas — Data Link

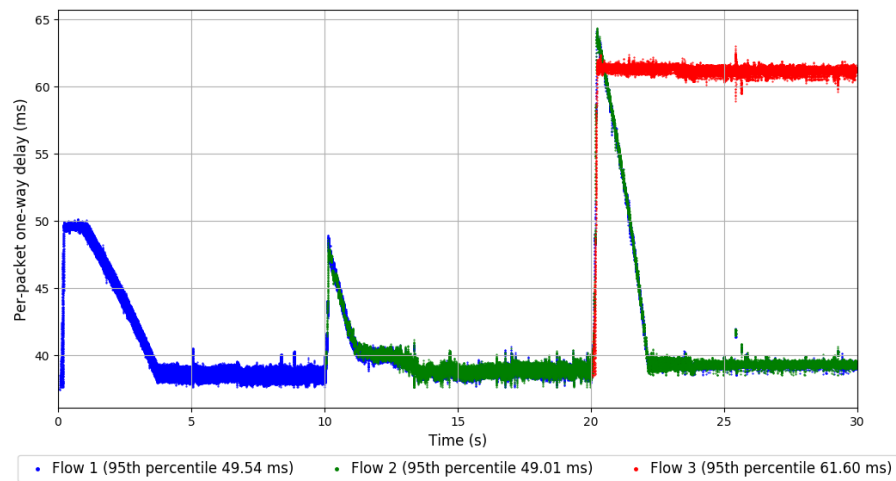
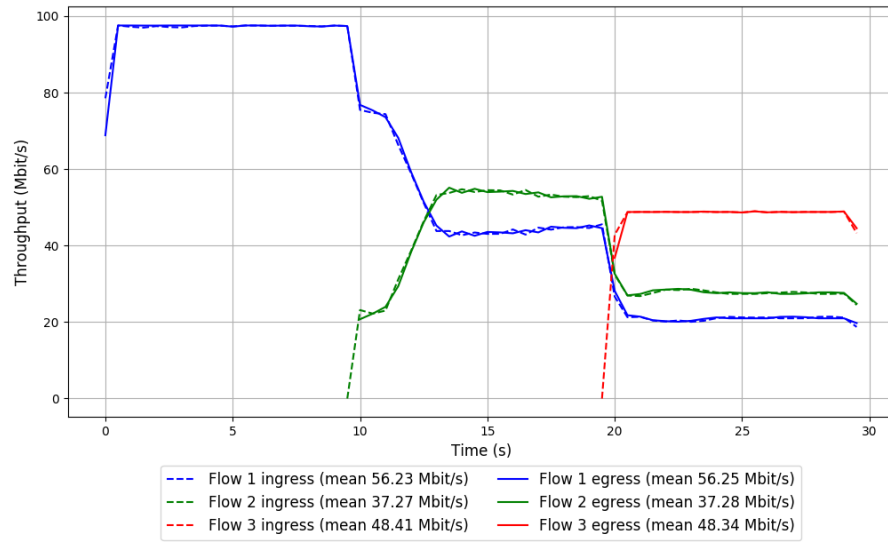


Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 20:24:09  
End at: 2017-11-30 20:24:39  
Local clock offset: 5.81 ms  
Remote clock offset: -20.447 ms

# Below is generated by plot.py at 2017-11-30 23:49:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 61.388 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 56.25 Mbit/s  
95th percentile per-packet one-way delay: 49.536 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.28 Mbit/s  
95th percentile per-packet one-way delay: 49.013 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 48.34 Mbit/s  
95th percentile per-packet one-way delay: 61.603 ms  
Loss rate: 0.48%

# Run 9: Report of TCP Vegas — Data Link

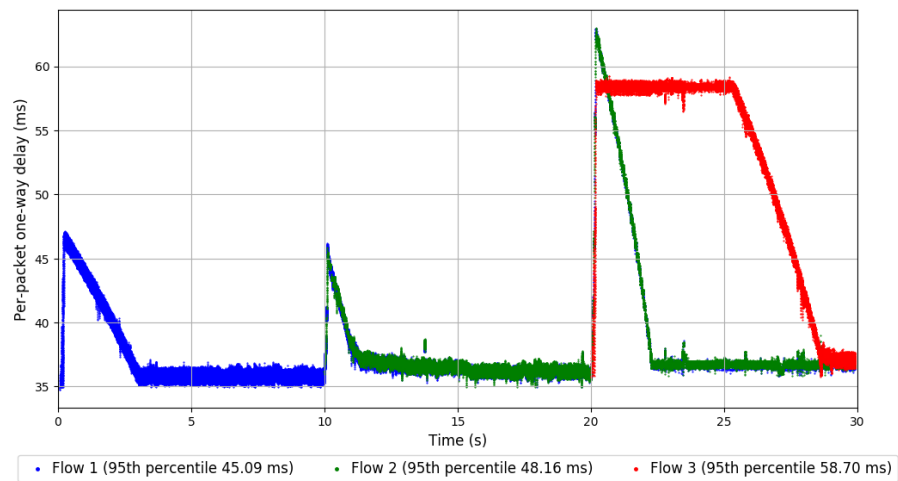
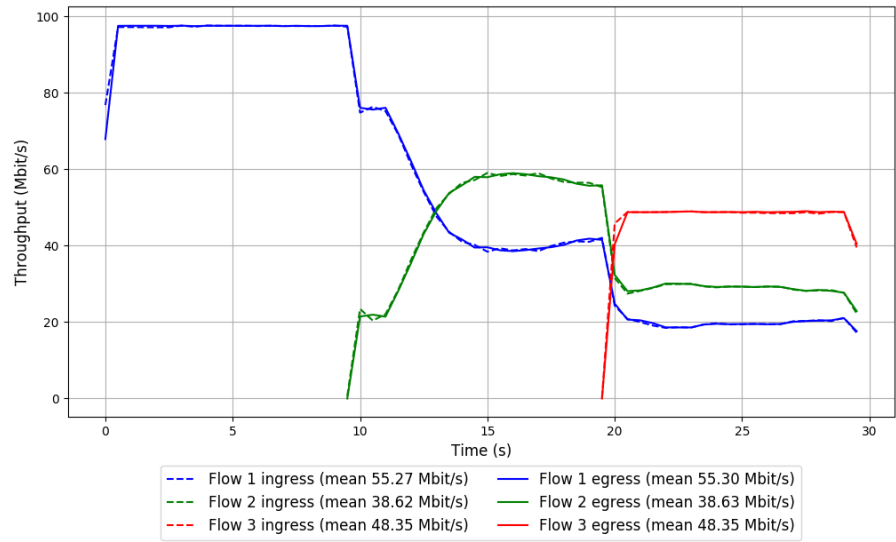


Run 10: Statistics of TCP Vegas

Start at: 2017-11-30 20:41:01  
End at: 2017-11-30 20:41:31  
Local clock offset: 4.966 ms  
Remote clock offset: -16.916 ms

# Below is generated by plot.py at 2017-11-30 23:49:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 58.425 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 55.30 Mbit/s  
95th percentile per-packet one-way delay: 45.088 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 38.63 Mbit/s  
95th percentile per-packet one-way delay: 48.155 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 48.35 Mbit/s  
95th percentile per-packet one-way delay: 58.698 ms  
Loss rate: 0.28%

# Run 10: Report of TCP Vegas — Data Link



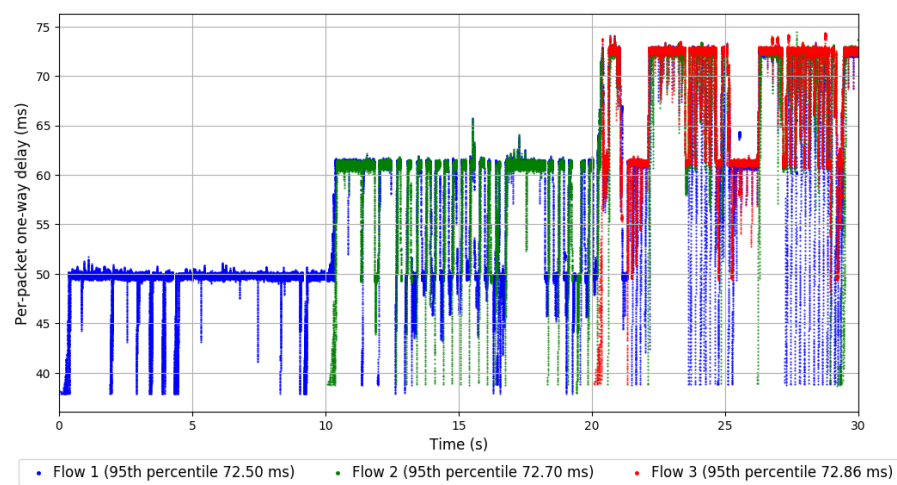
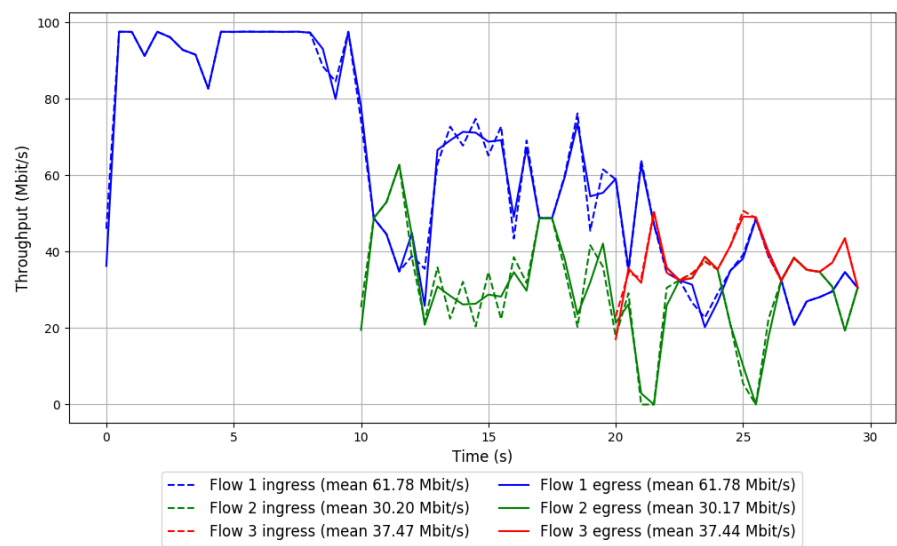
Run 1: Statistics of Verus

Start at: 2017-11-30 17:56:43  
End at: 2017-11-30 17:57:13  
Local clock offset: 6.912 ms  
Remote clock offset: -21.256 ms

# Below is generated by plot.py at 2017-11-30 23:49:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.24 Mbit/s  
95th percentile per-packet one-way delay: 72.708 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 61.78 Mbit/s  
95th percentile per-packet one-way delay: 72.495 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 30.17 Mbit/s  
95th percentile per-packet one-way delay: 72.698 ms  
Loss rate: 0.39%  
-- Flow 3:  
Average throughput: 37.44 Mbit/s  
95th percentile per-packet one-way delay: 72.856 ms  
Loss rate: 0.63%



Run 1: Report of Verus — Data Link

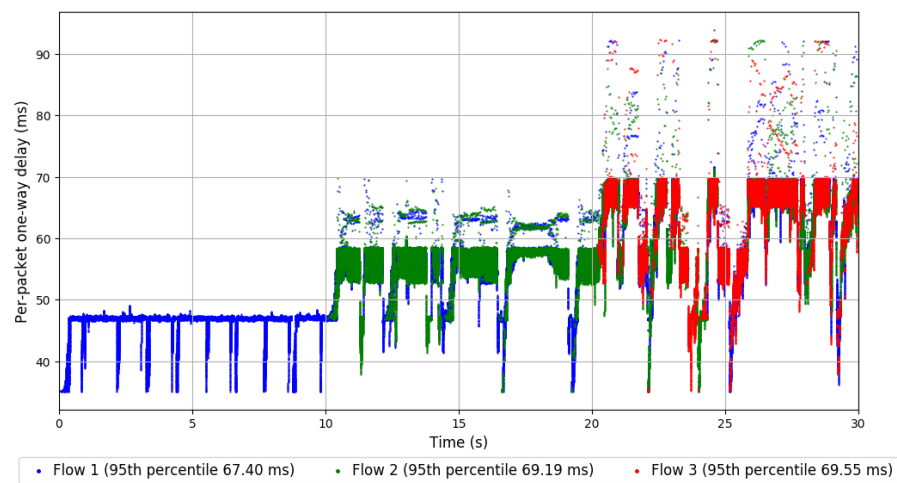
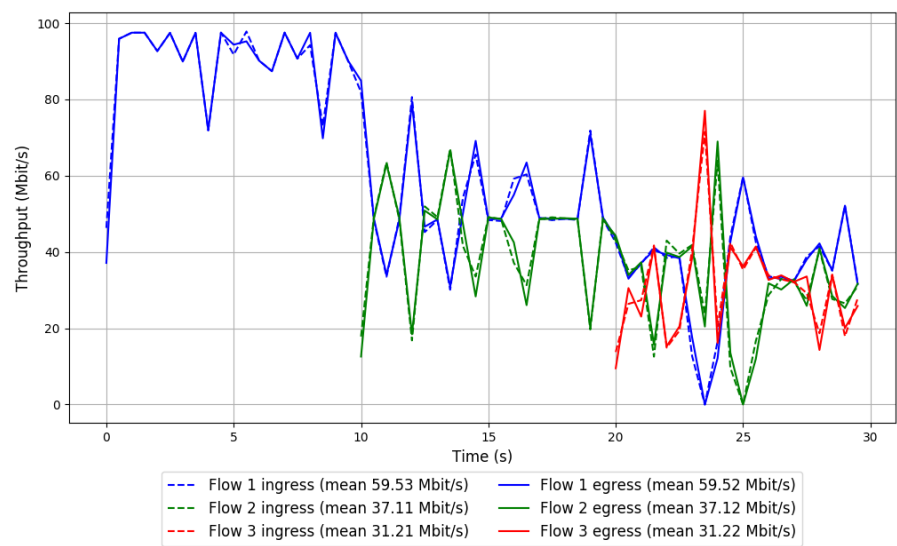


Run 2: Statistics of Verus

Start at: 2017-11-30 18:14:15  
End at: 2017-11-30 18:14:45  
Local clock offset: 4.795 ms  
Remote clock offset: -20.679 ms

# Below is generated by plot.py at 2017-11-30 23:49:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.51 Mbit/s  
95th percentile per-packet one-way delay: 68.901 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 59.52 Mbit/s  
95th percentile per-packet one-way delay: 67.402 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 37.12 Mbit/s  
95th percentile per-packet one-way delay: 69.185 ms  
Loss rate: 0.30%  
-- Flow 3:  
Average throughput: 31.22 Mbit/s  
95th percentile per-packet one-way delay: 69.545 ms  
Loss rate: 0.72%

Run 2: Report of Verus — Data Link

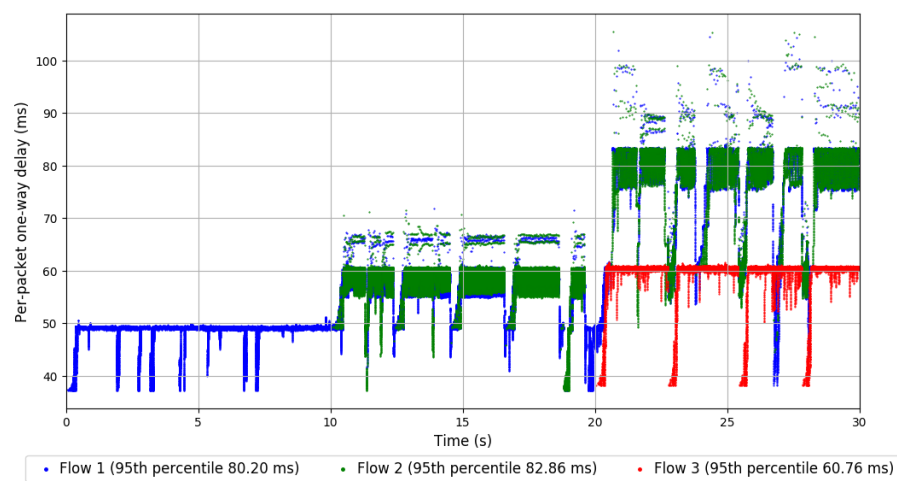
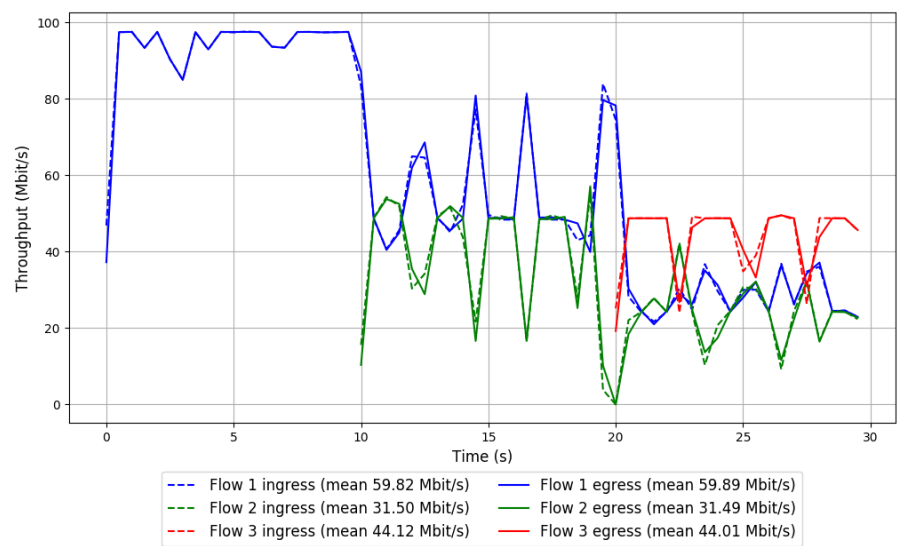


Run 3: Statistics of Verus

Start at: 2017-11-30 18:32:05  
End at: 2017-11-30 18:32:35  
Local clock offset: 6.467 ms  
Remote clock offset: -21.262 ms

# Below is generated by plot.py at 2017-11-30 23:49:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.39 Mbit/s  
95th percentile per-packet one-way delay: 81.134 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 59.89 Mbit/s  
95th percentile per-packet one-way delay: 80.201 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 31.49 Mbit/s  
95th percentile per-packet one-way delay: 82.855 ms  
Loss rate: 0.32%  
-- Flow 3:  
Average throughput: 44.01 Mbit/s  
95th percentile per-packet one-way delay: 60.761 ms  
Loss rate: 0.67%

Run 3: Report of Verus — Data Link

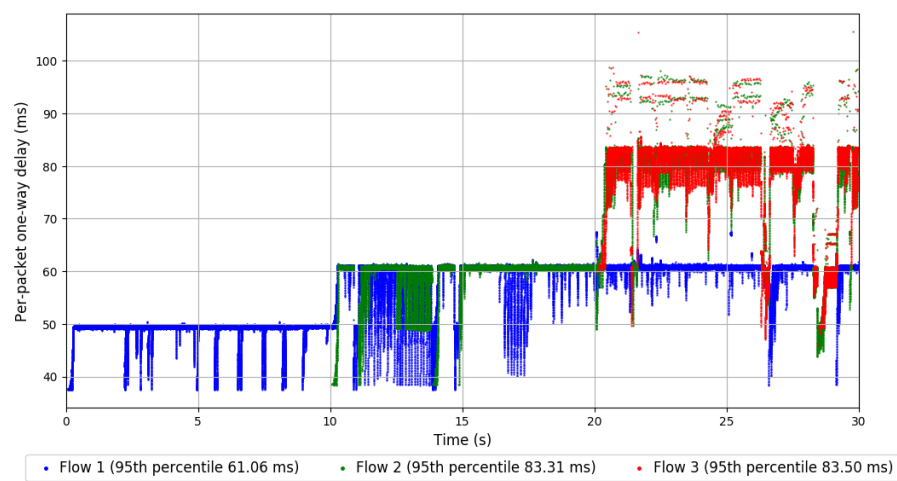
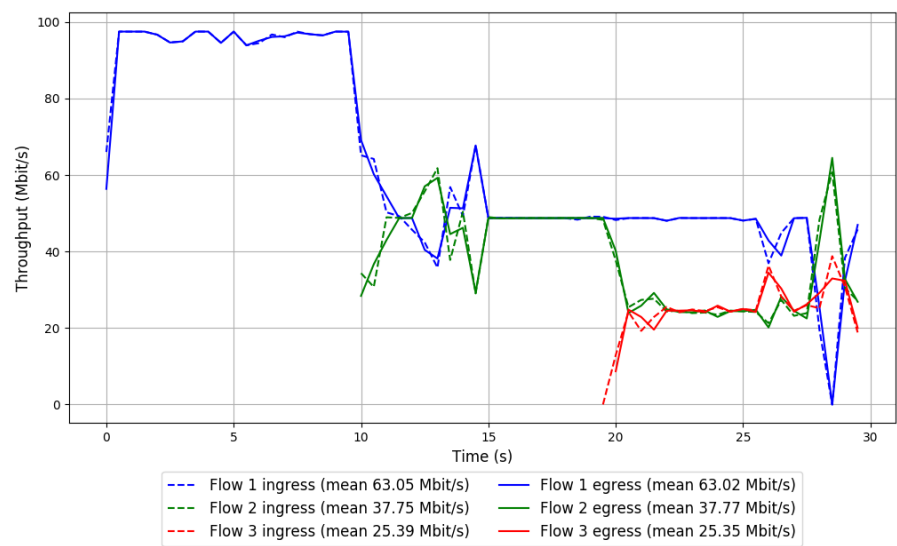


Run 4: Statistics of Verus

Start at: 2017-11-30 18:49:01  
End at: 2017-11-30 18:49:31  
Local clock offset: 6.751 ms  
Remote clock offset: -21.376 ms

# Below is generated by plot.py at 2017-11-30 23:49:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.55 Mbit/s  
95th percentile per-packet one-way delay: 83.055 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 63.02 Mbit/s  
95th percentile per-packet one-way delay: 61.062 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 37.77 Mbit/s  
95th percentile per-packet one-way delay: 83.308 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 25.35 Mbit/s  
95th percentile per-packet one-way delay: 83.496 ms  
Loss rate: 0.64%

Run 4: Report of Verus — Data Link



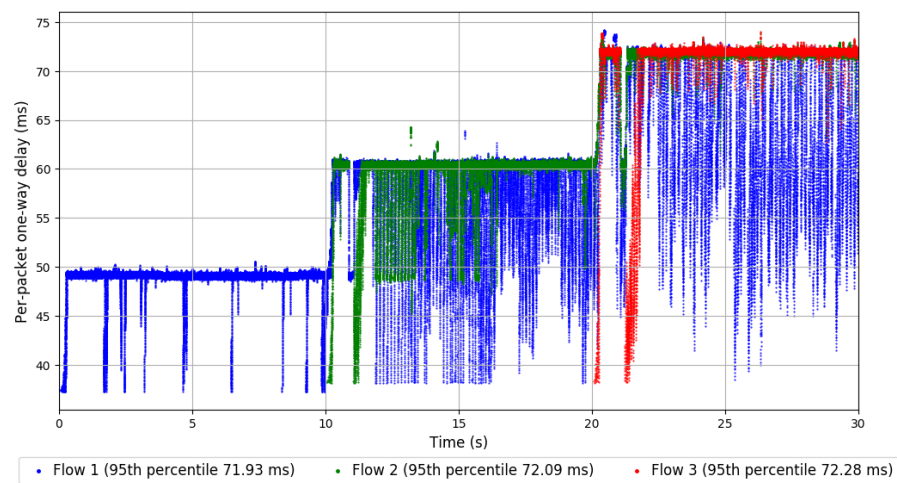
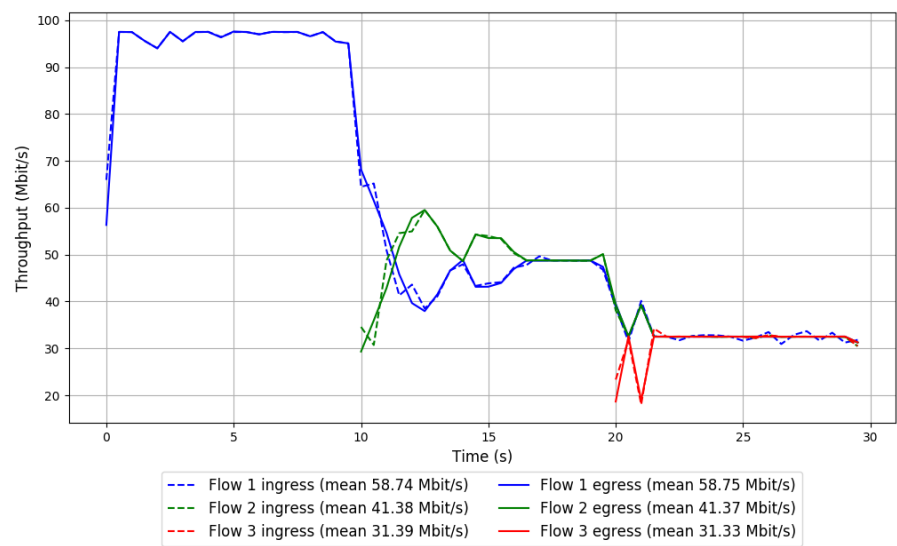
Run 5: Statistics of Verus

Start at: 2017-11-30 19:06:24  
End at: 2017-11-30 19:06:54  
Local clock offset: 6.727 ms  
Remote clock offset: -21.66 ms

# Below is generated by plot.py at 2017-11-30 23:50:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 72.149 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.75 Mbit/s  
95th percentile per-packet one-way delay: 71.930 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 41.37 Mbit/s  
95th percentile per-packet one-way delay: 72.093 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.33 Mbit/s  
95th percentile per-packet one-way delay: 72.281 ms  
Loss rate: 0.63%



Run 5: Report of Verus — Data Link

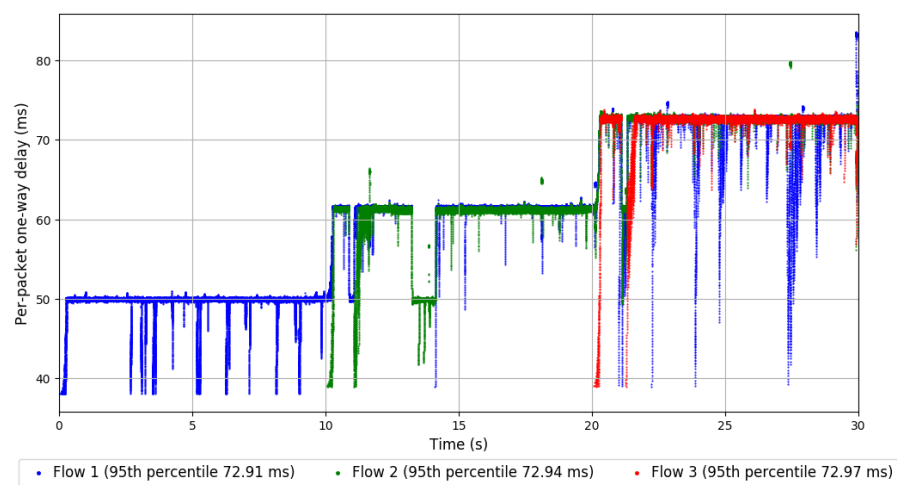
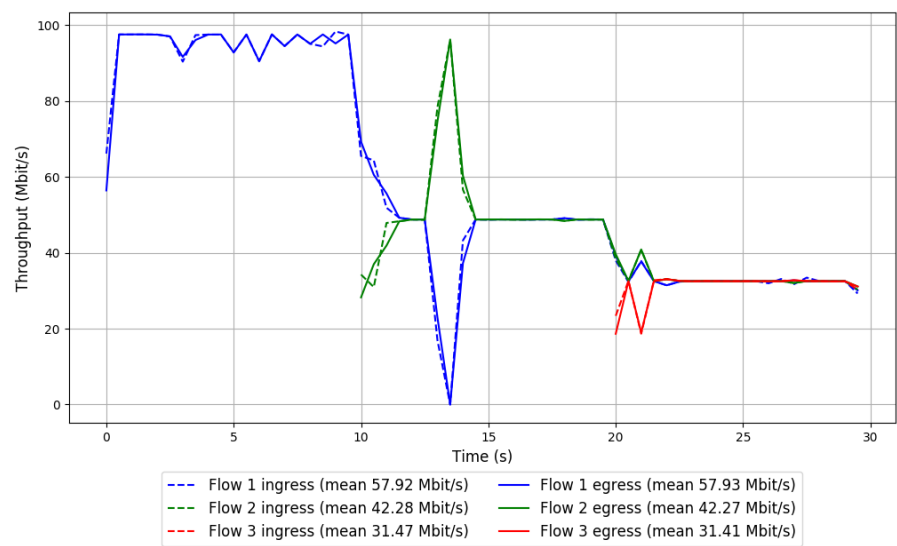


Run 6: Statistics of Verus

Start at: 2017-11-30 19:23:18  
End at: 2017-11-30 19:23:48  
Local clock offset: 8.355 ms  
Remote clock offset: -21.303 ms

# Below is generated by plot.py at 2017-11-30 23:50:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.44 Mbit/s  
95th percentile per-packet one-way delay: 72.931 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 57.93 Mbit/s  
95th percentile per-packet one-way delay: 72.914 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 42.27 Mbit/s  
95th percentile per-packet one-way delay: 72.945 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 31.41 Mbit/s  
95th percentile per-packet one-way delay: 72.967 ms  
Loss rate: 0.62%

Run 6: Report of Verus — Data Link

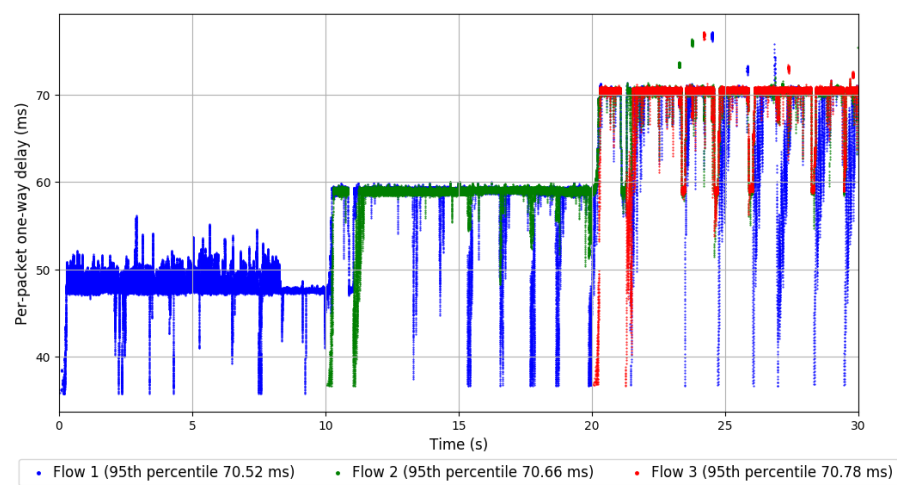
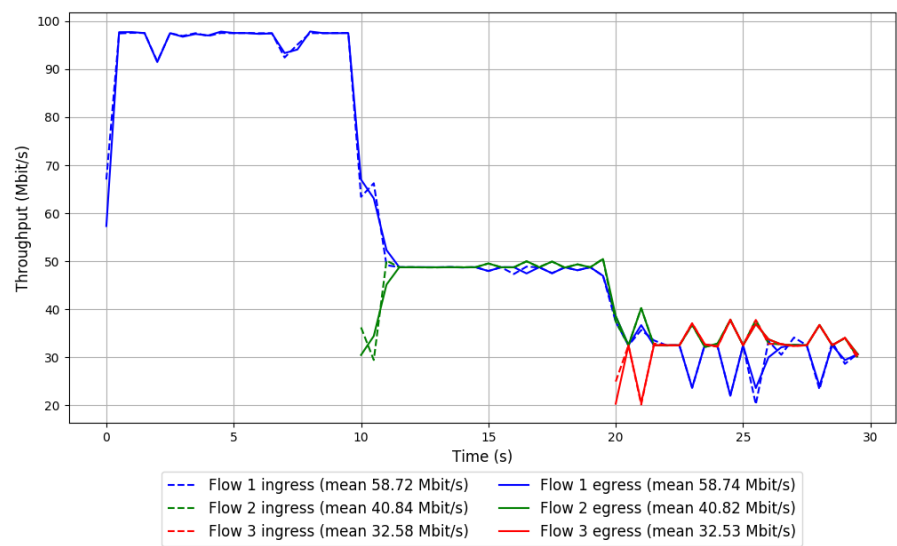


Run 7: Statistics of Verus

Start at: 2017-11-30 19:40:41  
End at: 2017-11-30 19:41:11  
Local clock offset: 5.945 ms  
Remote clock offset: -21.897 ms

# Below is generated by plot.py at 2017-11-30 23:51:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.69 Mbit/s  
95th percentile per-packet one-way delay: 70.666 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.74 Mbit/s  
95th percentile per-packet one-way delay: 70.517 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.82 Mbit/s  
95th percentile per-packet one-way delay: 70.661 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 32.53 Mbit/s  
95th percentile per-packet one-way delay: 70.782 ms  
Loss rate: 0.59%

Run 7: Report of Verus — Data Link

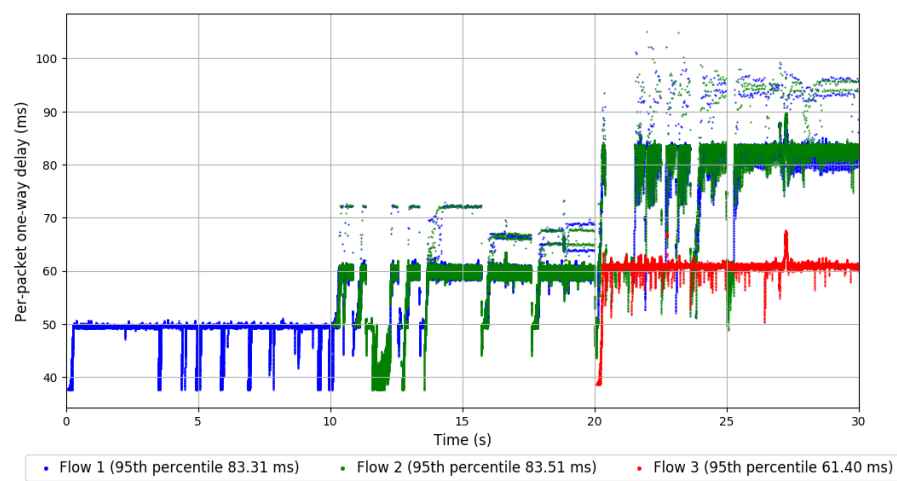
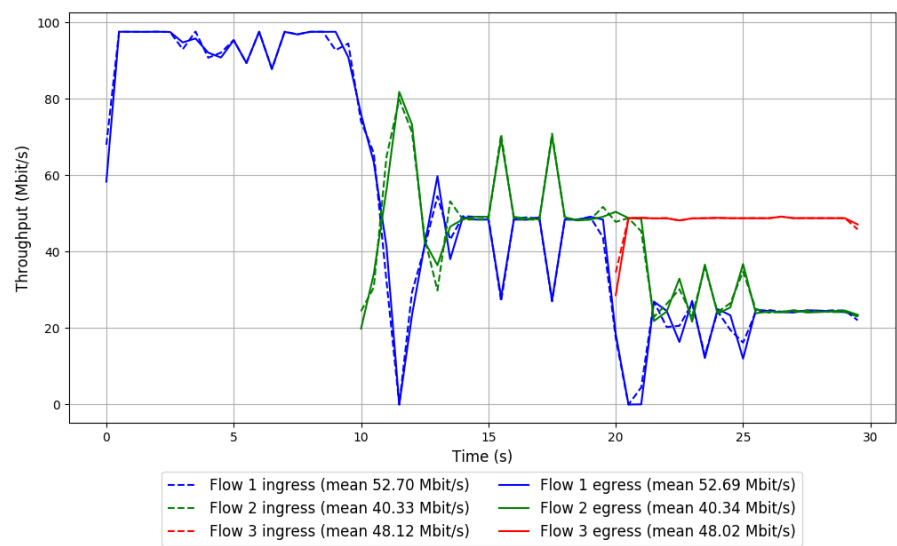


Run 8: Statistics of Verus

Start at: 2017-11-30 19:58:08  
End at: 2017-11-30 19:58:38  
Local clock offset: 7.224 ms  
Remote clock offset: -20.985 ms

# Below is generated by plot.py at 2017-11-30 23:51:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.42 Mbit/s  
95th percentile per-packet one-way delay: 83.346 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 52.69 Mbit/s  
95th percentile per-packet one-way delay: 83.307 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.34 Mbit/s  
95th percentile per-packet one-way delay: 83.513 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 48.02 Mbit/s  
95th percentile per-packet one-way delay: 61.399 ms  
Loss rate: 0.48%

Run 8: Report of Verus — Data Link



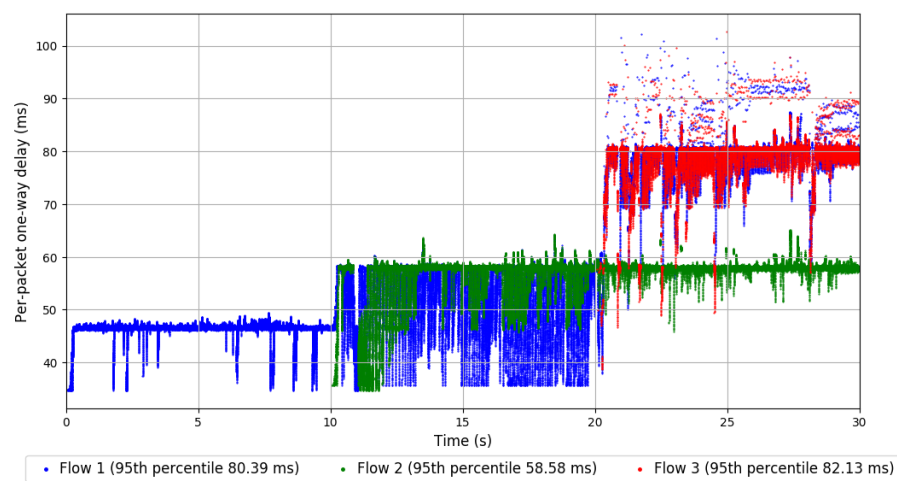
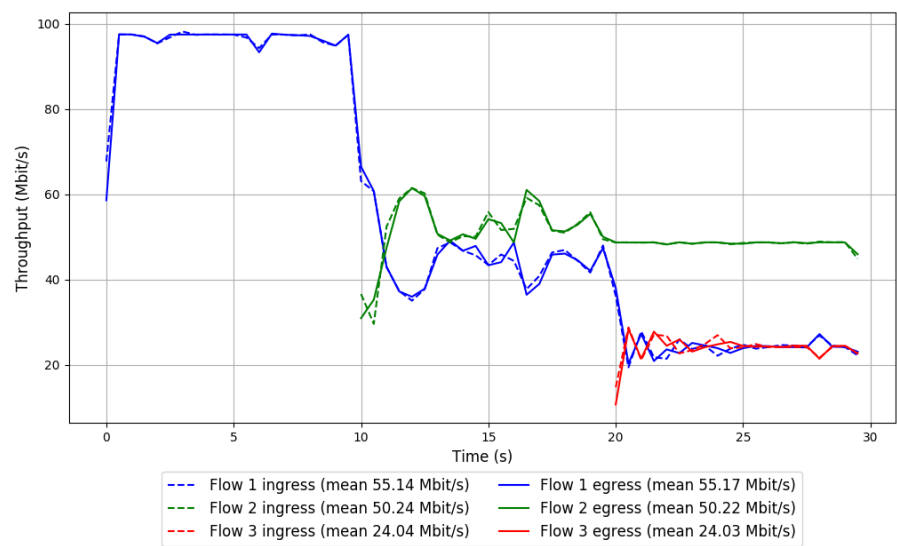
Run 9: Statistics of Verus

Start at: 2017-11-30 20:15:20  
End at: 2017-11-30 20:15:50  
Local clock offset: 3.124 ms  
Remote clock offset: -20.758 ms

# Below is generated by plot.py at 2017-11-30 23:51:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 80.457 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 55.17 Mbit/s  
95th percentile per-packet one-way delay: 80.387 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 50.22 Mbit/s  
95th percentile per-packet one-way delay: 58.575 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 24.03 Mbit/s  
95th percentile per-packet one-way delay: 82.130 ms  
Loss rate: 0.75%



Run 9: Report of Verus — Data Link

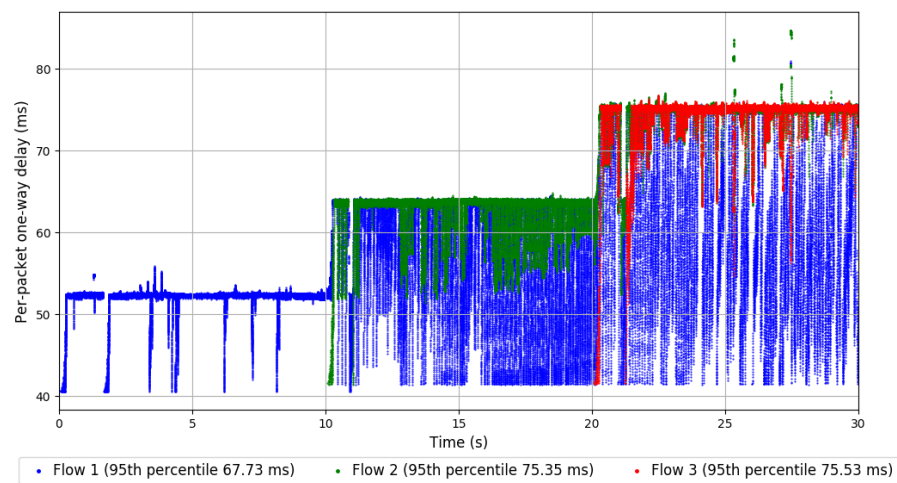
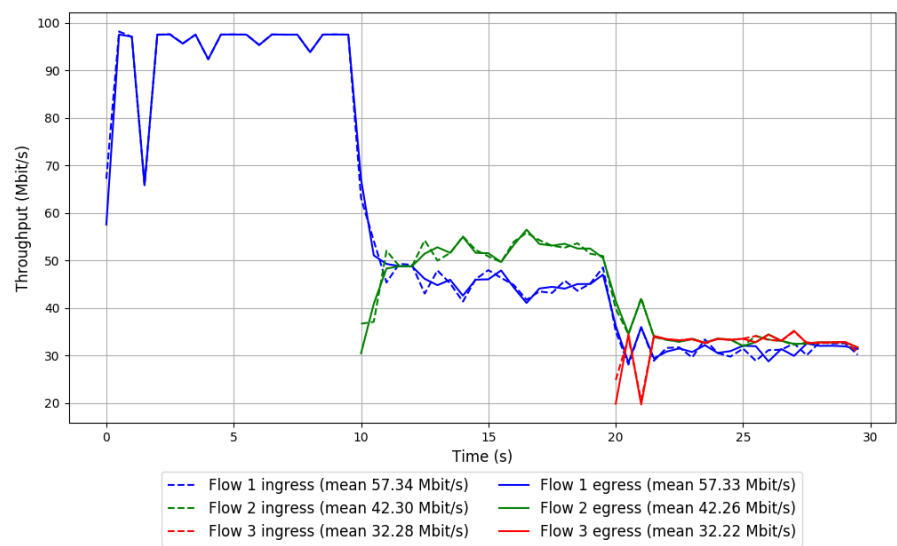


Run 10: Statistics of Verus

Start at: 2017-11-30 20:32:49  
End at: 2017-11-30 20:33:19  
Local clock offset: 3.375 ms  
Remote clock offset: -25.455 ms

# Below is generated by plot.py at 2017-11-30 23:51:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.11 Mbit/s  
95th percentile per-packet one-way delay: 75.347 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 57.33 Mbit/s  
95th percentile per-packet one-way delay: 67.726 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 42.26 Mbit/s  
95th percentile per-packet one-way delay: 75.349 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 32.22 Mbit/s  
95th percentile per-packet one-way delay: 75.531 ms  
Loss rate: 0.60%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

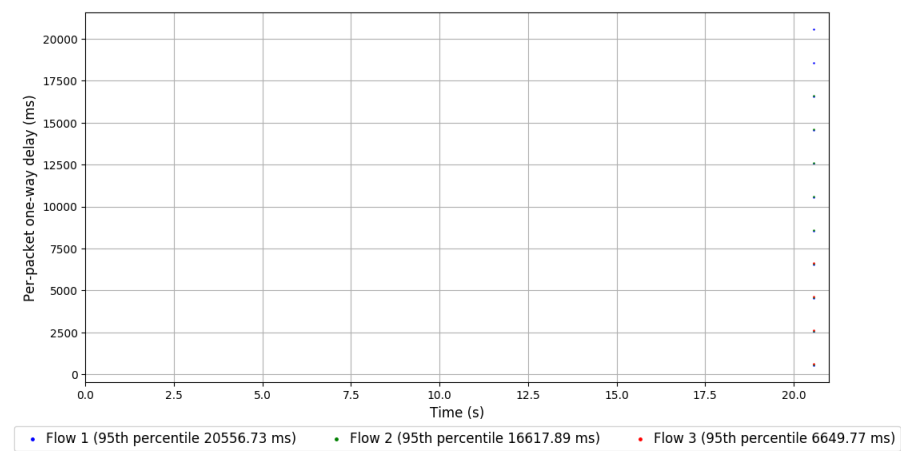
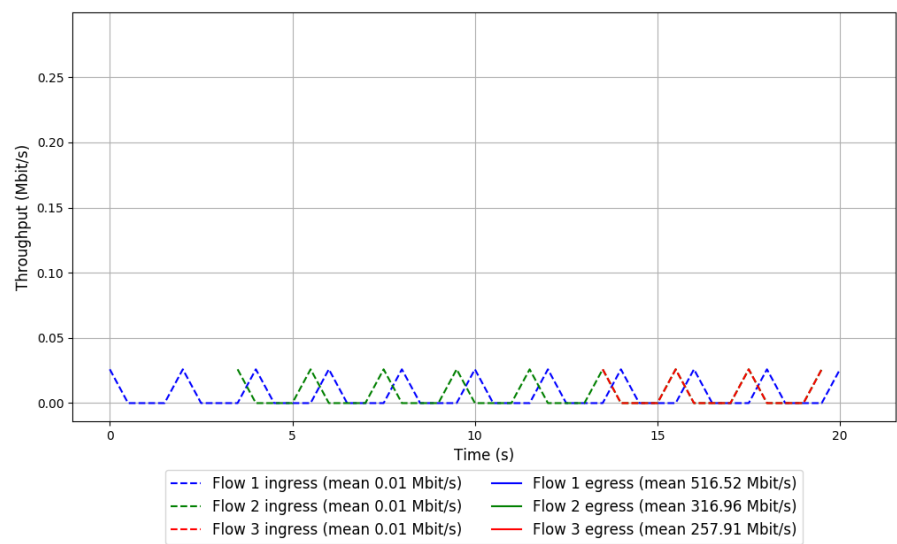
Start at: 2017-11-30 17:55:37

End at: 2017-11-30 17:56:07

Local clock offset: 6.366 ms

Remote clock offset: -20.726 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

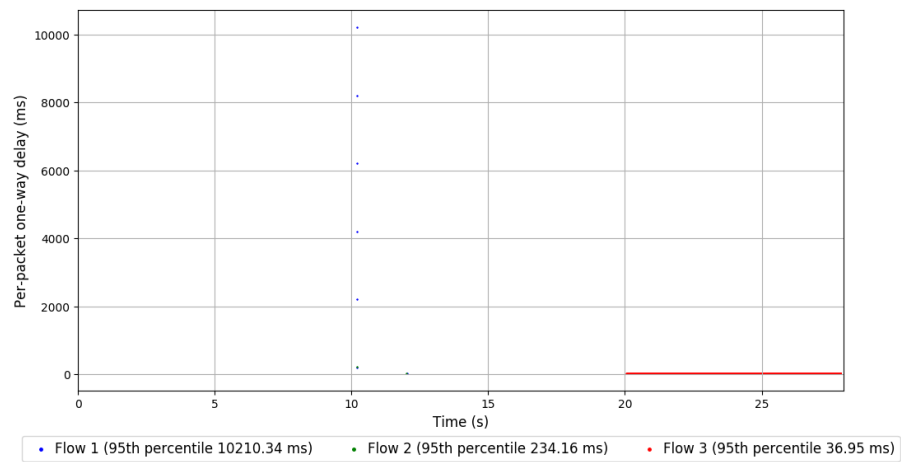
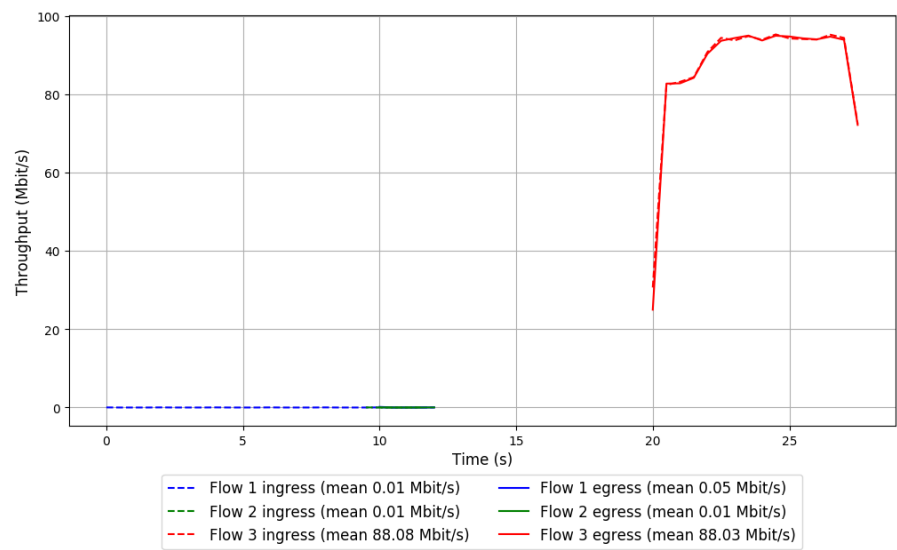
Start at: 2017-11-30 18:13:04

End at: 2017-11-30 18:13:34

Local clock offset: 3.611 ms

Remote clock offset: -20.877 ms

Run 2: Report of Copa — Data Link



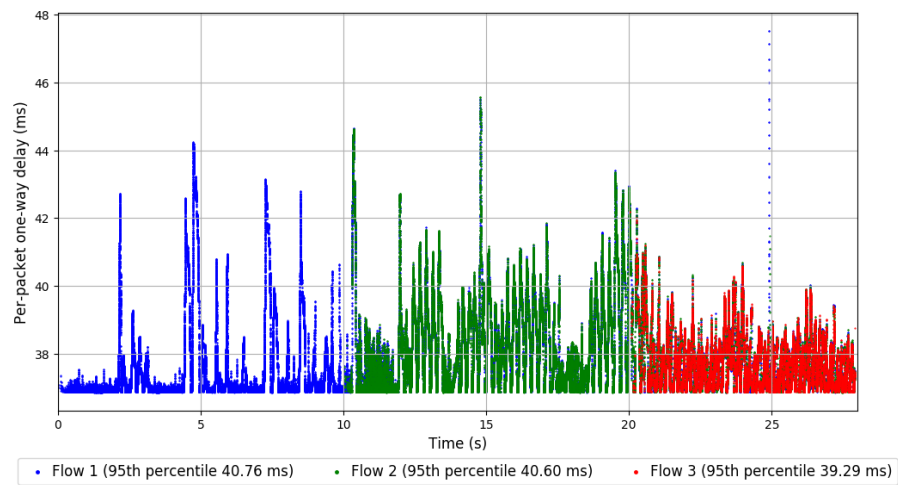
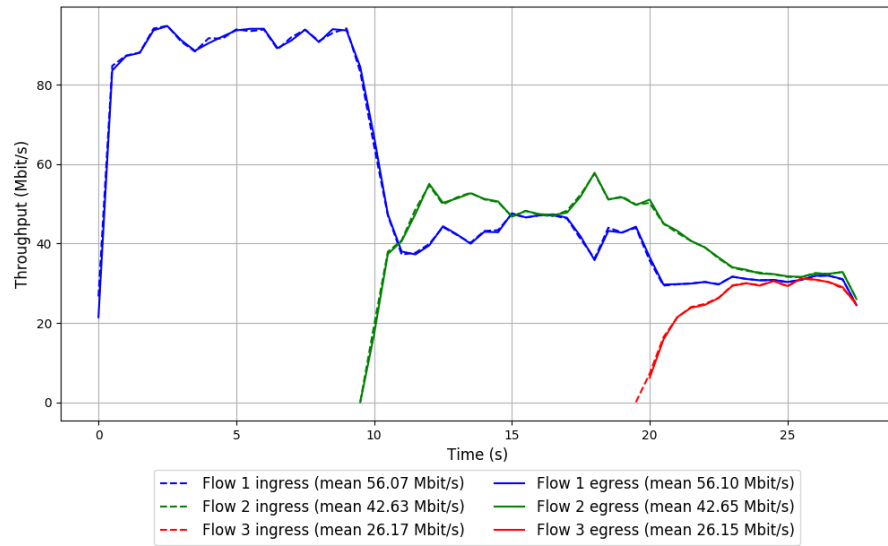
Run 3: Statistics of Copa

Start at: 2017-11-30 18:30:42  
End at: 2017-11-30 18:31:12  
Local clock offset: 6.251 ms  
Remote clock offset: -21.096 ms

# Below is generated by plot.py at 2017-11-30 23:52:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.93 Mbit/s  
95th percentile per-packet one-way delay: 40.597 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 56.10 Mbit/s  
95th percentile per-packet one-way delay: 40.759 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 42.65 Mbit/s  
95th percentile per-packet one-way delay: 40.598 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 26.15 Mbit/s  
95th percentile per-packet one-way delay: 39.288 ms  
Loss rate: 0.58%



### Run 3: Report of Copa — Data Link

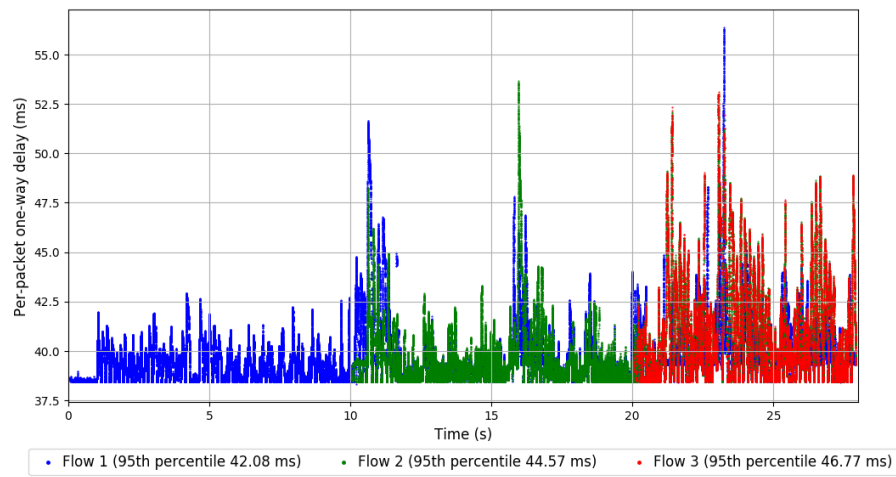
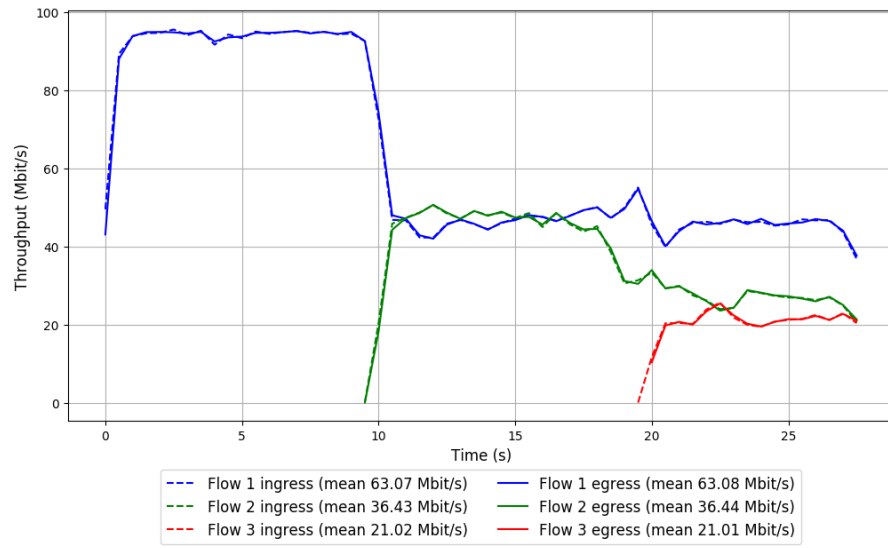


Run 4: Statistics of Copa

Start at: 2017-11-30 18:47:42  
End at: 2017-11-30 18:48:12  
Local clock offset: 7.011 ms  
Remote clock offset: -22.029 ms

# Below is generated by plot.py at 2017-11-30 23:52:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.46 Mbit/s  
95th percentile per-packet one-way delay: 43.333 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 63.08 Mbit/s  
95th percentile per-packet one-way delay: 42.084 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 36.44 Mbit/s  
95th percentile per-packet one-way delay: 44.574 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 21.01 Mbit/s  
95th percentile per-packet one-way delay: 46.770 ms  
Loss rate: 0.39%

#### Run 4: Report of Copa — Data Link

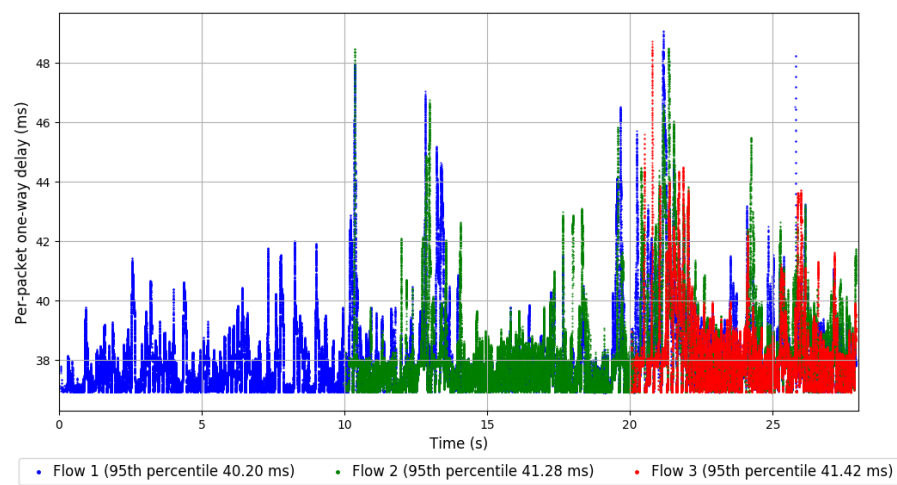
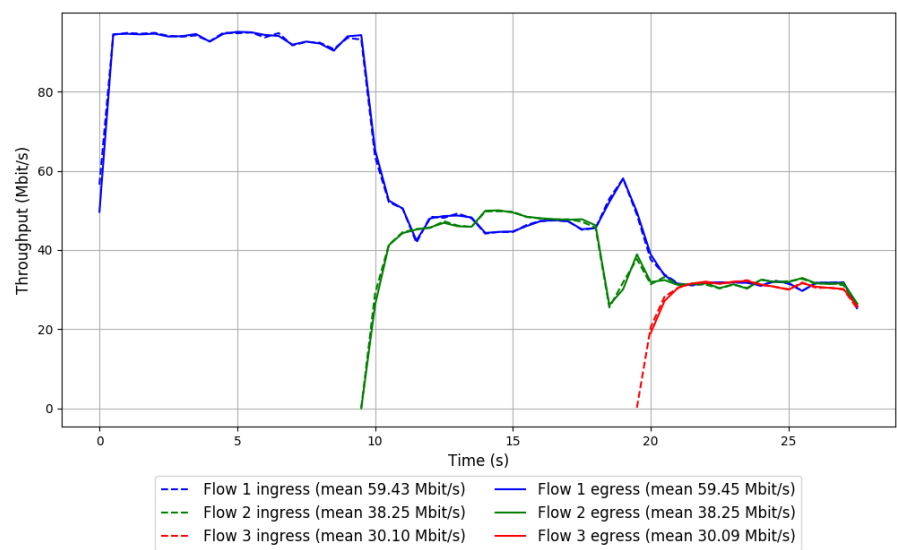


Run 5: Statistics of Copa

Start at: 2017-11-30 19:05:04  
End at: 2017-11-30 19:05:34  
Local clock offset: 7.5 ms  
Remote clock offset: -20.522 ms

```
# Below is generated by plot.py at 2017-11-30 23:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 40.630 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 40.201 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 41.282 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 41.425 ms
Loss rate: 0.34%
```

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

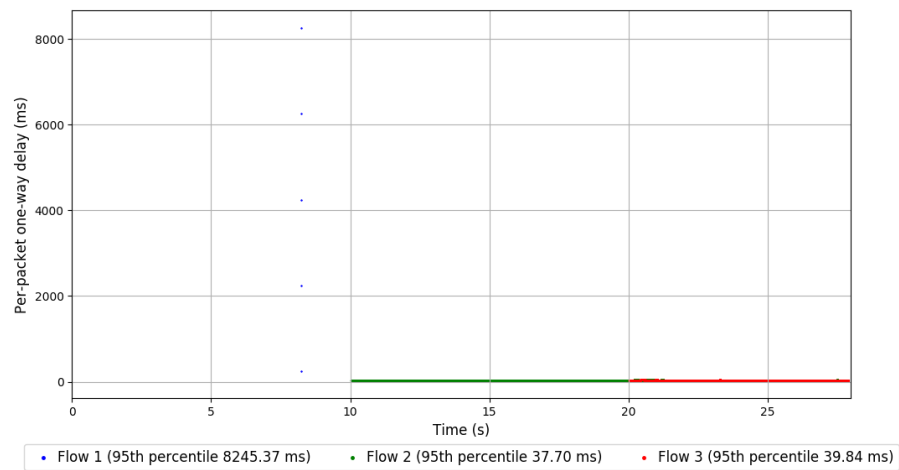
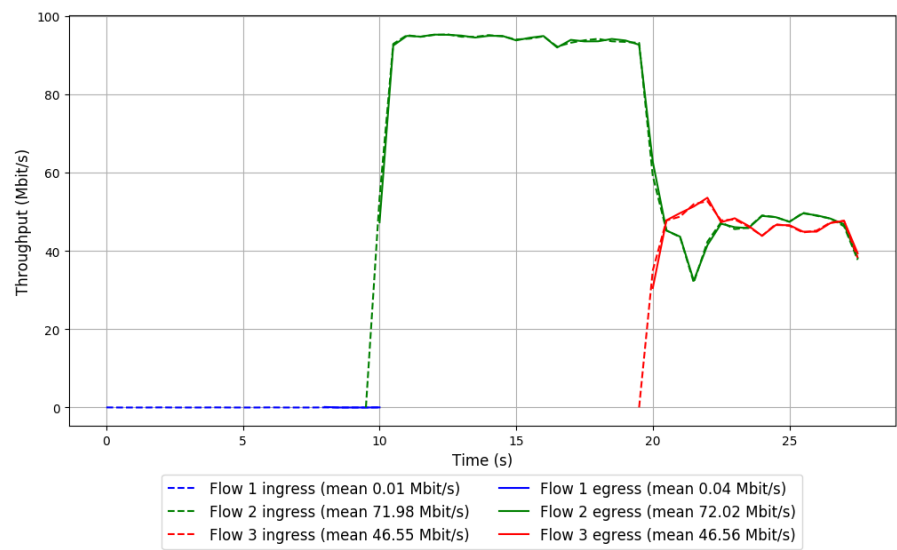
Start at: 2017-11-30 19:22:07

End at: 2017-11-30 19:22:37

Local clock offset: 5.903 ms

Remote clock offset: -20.684 ms

Run 6: Report of Copa — Data Link



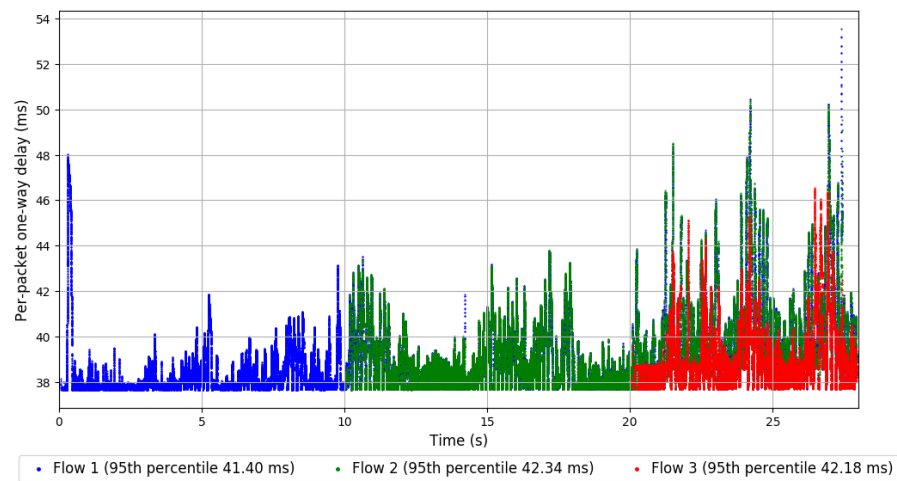
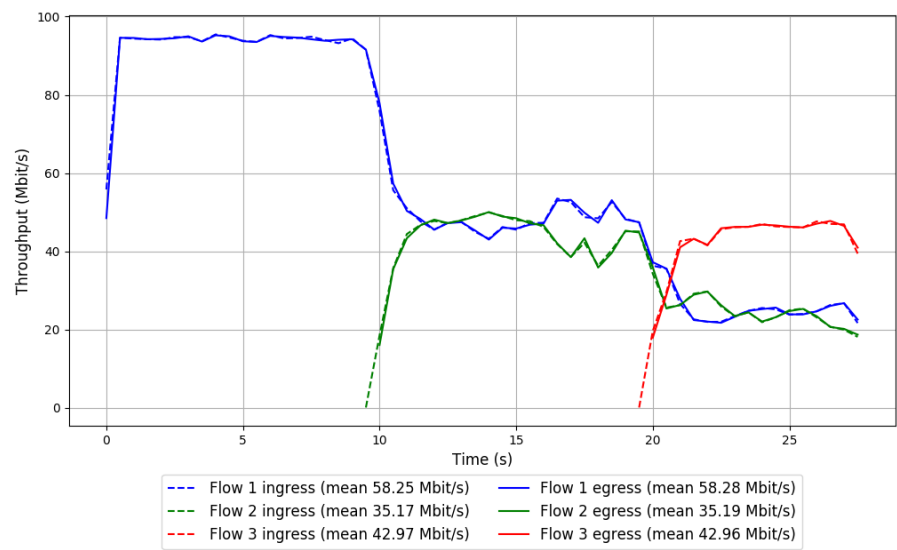
Run 7: Statistics of Copa

Start at: 2017-11-30 19:39:21  
End at: 2017-11-30 19:39:51  
Local clock offset: 7.011 ms  
Remote clock offset: -22.819 ms

# Below is generated by plot.py at 2017-11-30 23:53:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.05 Mbit/s  
95th percentile per-packet one-way delay: 41.809 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 58.28 Mbit/s  
95th percentile per-packet one-way delay: 41.404 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 35.19 Mbit/s  
95th percentile per-packet one-way delay: 42.337 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 42.96 Mbit/s  
95th percentile per-packet one-way delay: 42.182 ms  
Loss rate: 0.31%



Run 7: Report of Copa — Data Link

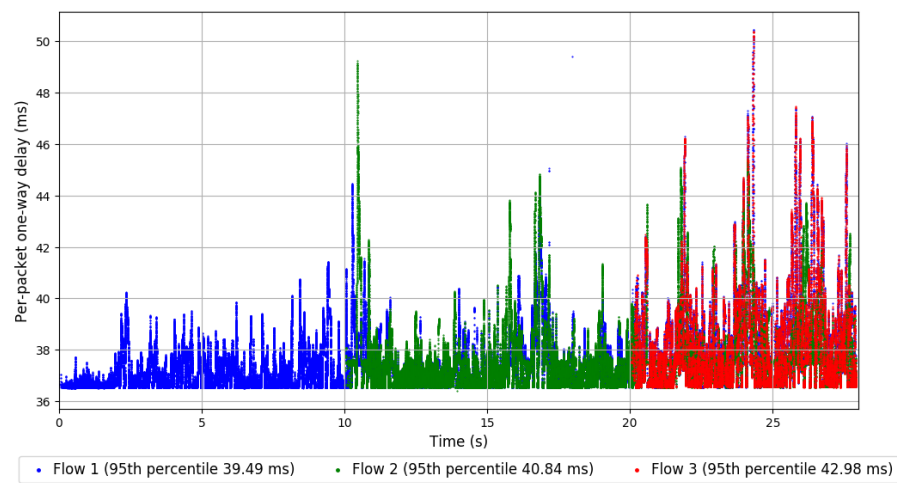
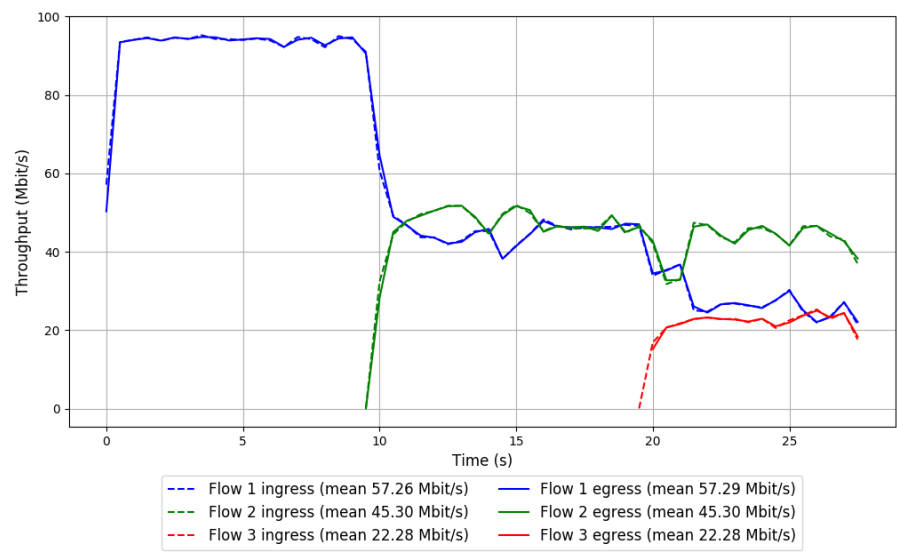


Run 8: Statistics of Copa

Start at: 2017-11-30 19:56:49  
End at: 2017-11-30 19:57:19  
Local clock offset: 4.555 ms  
Remote clock offset: -22.616 ms

# Below is generated by plot.py at 2017-11-30 23:53:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.72 Mbit/s  
95th percentile per-packet one-way delay: 40.138 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 57.29 Mbit/s  
95th percentile per-packet one-way delay: 39.495 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 45.30 Mbit/s  
95th percentile per-packet one-way delay: 40.842 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 22.28 Mbit/s  
95th percentile per-packet one-way delay: 42.984 ms  
Loss rate: 0.33%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

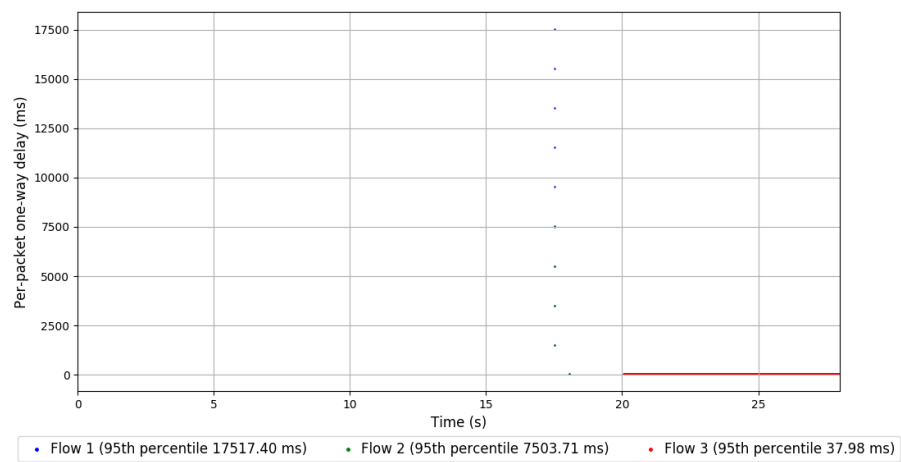
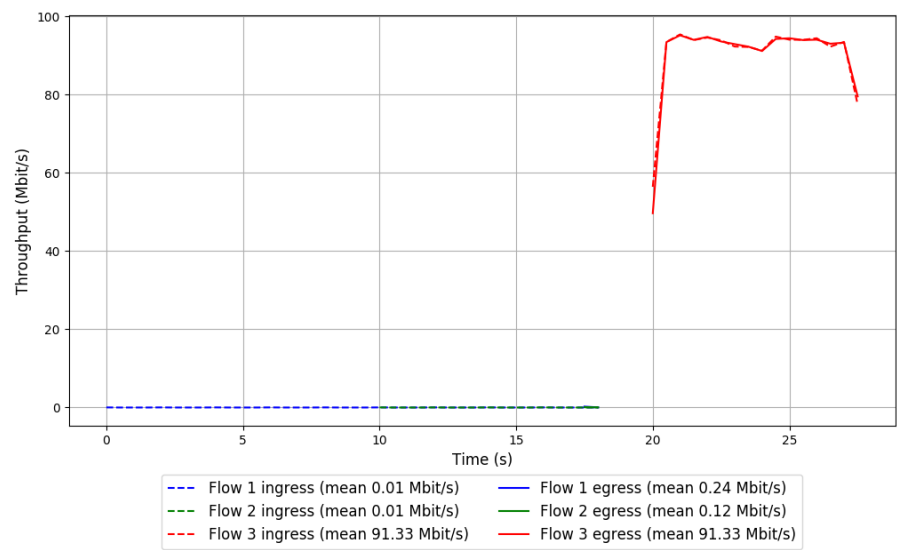
Start at: 2017-11-30 20:14:09

End at: 2017-11-30 20:14:39

Local clock offset: 4.523 ms

Remote clock offset: -20.334 ms

Run 9: Report of Copa — Data Link

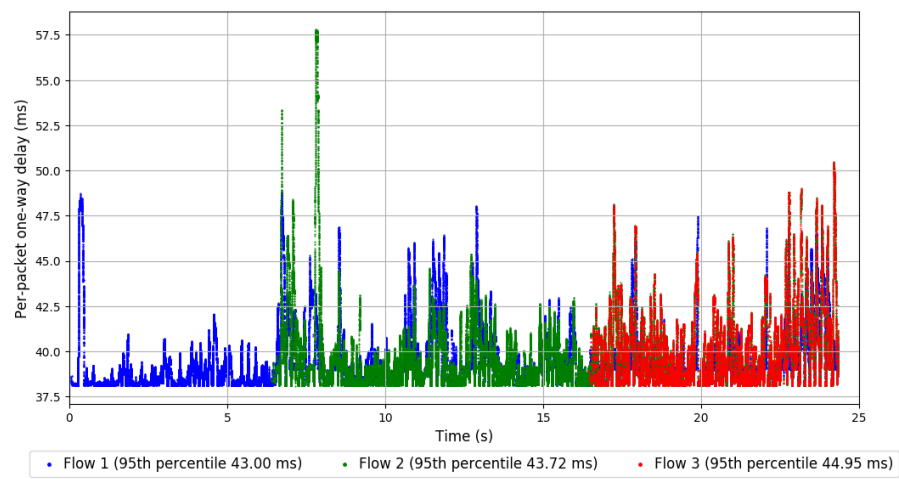
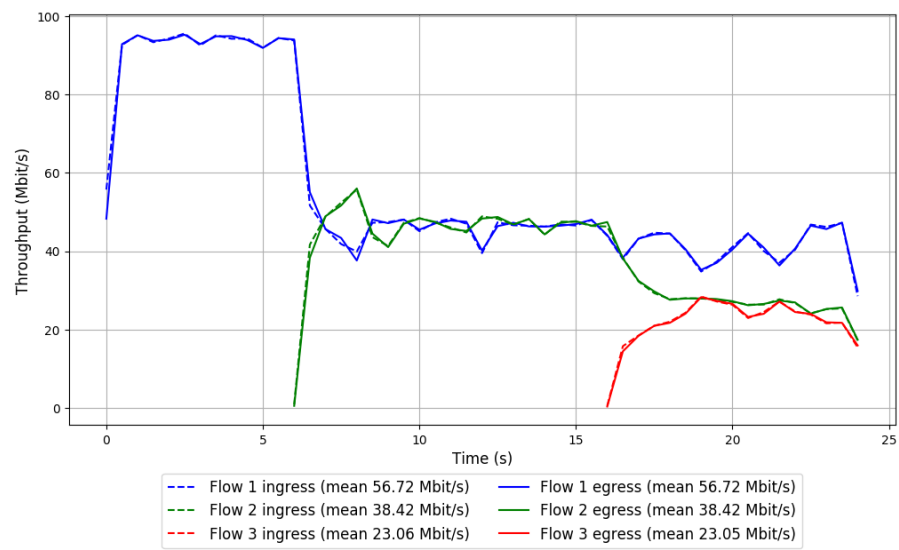


Run 10: Statistics of Copa

Start at: 2017-11-30 20:31:35  
End at: 2017-11-30 20:32:05  
Local clock offset: 4.235 ms  
Remote clock offset: -22.214 ms

# Below is generated by plot.py at 2017-11-30 23:53:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.56 Mbit/s  
95th percentile per-packet one-way delay: 43.473 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 56.72 Mbit/s  
95th percentile per-packet one-way delay: 42.997 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 38.42 Mbit/s  
95th percentile per-packet one-way delay: 43.720 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 23.05 Mbit/s  
95th percentile per-packet one-way delay: 44.945 ms  
Loss rate: 0.36%

Run 10: Report of Copa — Data Link



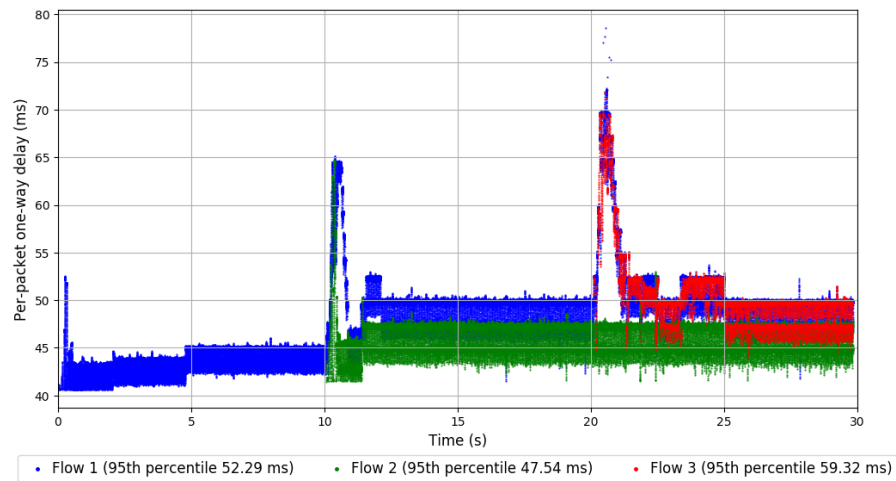
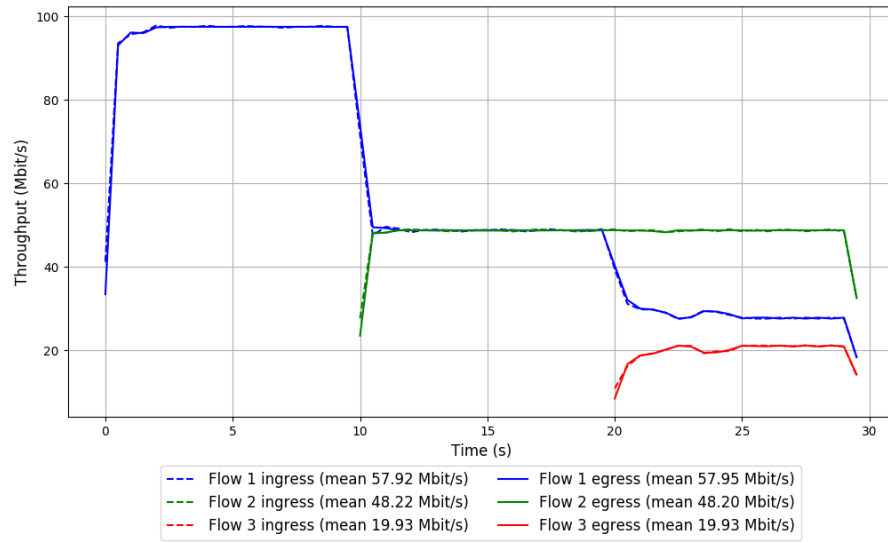
Run 1: Statistics of Indigo

Start at: 2017-11-30 17:51:51  
End at: 2017-11-30 17:52:21  
Local clock offset: 9.006 ms  
Remote clock offset: -22.059 ms

# Below is generated by plot.py at 2017-11-30 23:53:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.46 Mbit/s  
95th percentile per-packet one-way delay: 52.038 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 57.95 Mbit/s  
95th percentile per-packet one-way delay: 52.294 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 48.20 Mbit/s  
95th percentile per-packet one-way delay: 47.540 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 19.93 Mbit/s  
95th percentile per-packet one-way delay: 59.320 ms  
Loss rate: 0.49%



## Run 1: Report of Indigo — Data Link

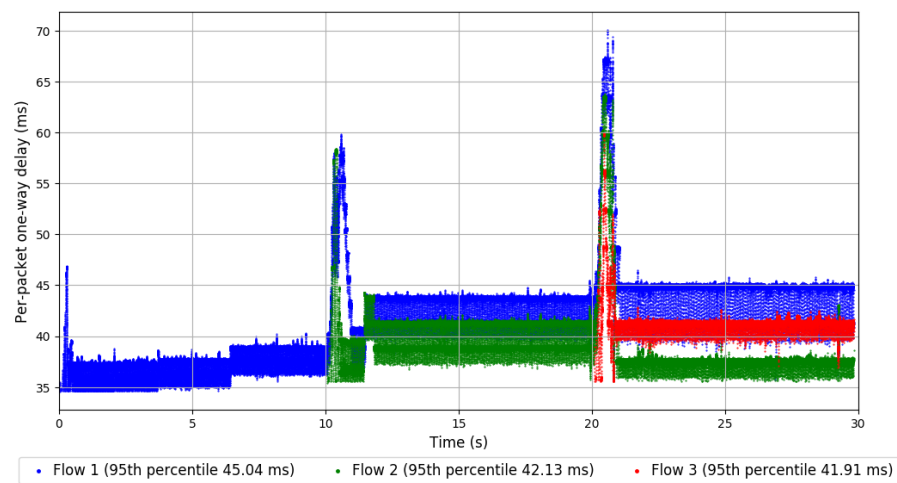
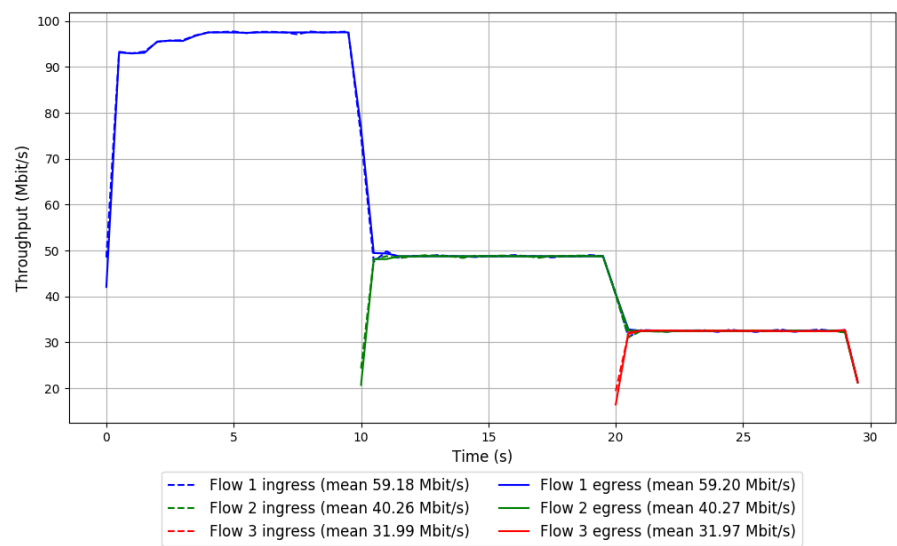


Run 2: Statistics of Indigo

Start at: 2017-11-30 18:09:13  
End at: 2017-11-30 18:09:43  
Local clock offset: 3.828 ms  
Remote clock offset: -21.242 ms

# Below is generated by plot.py at 2017-11-30 23:53:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.37 Mbit/s  
95th percentile per-packet one-way delay: 44.967 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 59.20 Mbit/s  
95th percentile per-packet one-way delay: 45.042 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 40.27 Mbit/s  
95th percentile per-packet one-way delay: 42.128 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 31.97 Mbit/s  
95th percentile per-packet one-way delay: 41.913 ms  
Loss rate: 0.46%

Run 2: Report of Indigo — Data Link

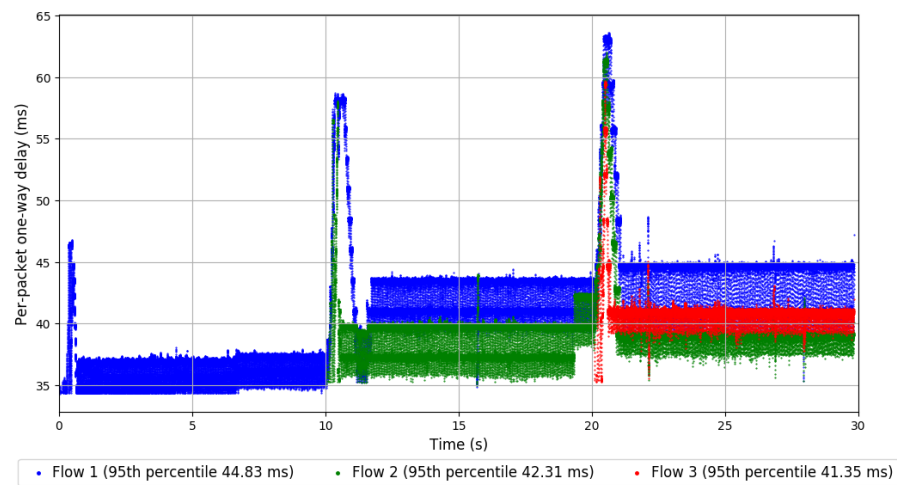
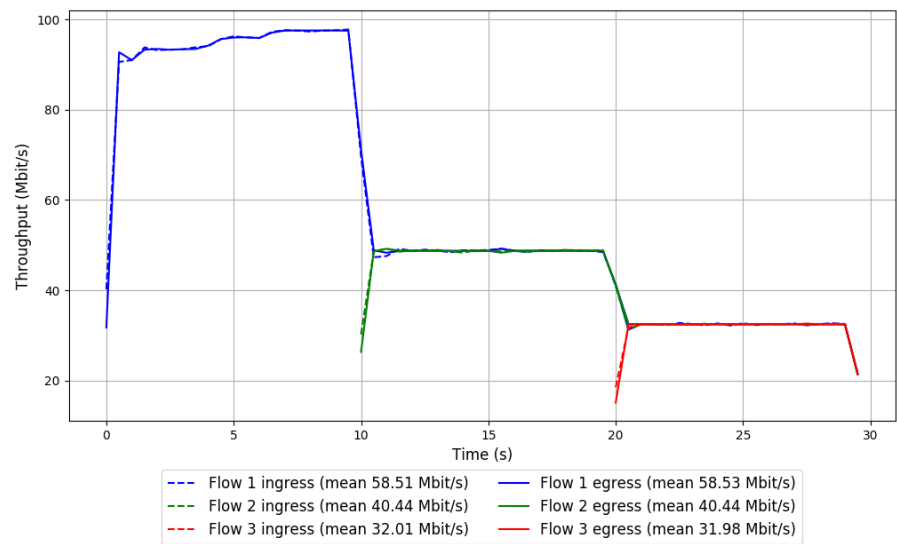


Run 3: Statistics of Indigo

Start at: 2017-11-30 18:26:43  
End at: 2017-11-30 18:27:13  
Local clock offset: 4.232 ms  
Remote clock offset: -20.498 ms

# Below is generated by plot.py at 2017-11-30 23:53:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.81 Mbit/s  
95th percentile per-packet one-way delay: 44.752 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 58.53 Mbit/s  
95th percentile per-packet one-way delay: 44.827 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 40.44 Mbit/s  
95th percentile per-packet one-way delay: 42.314 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 31.98 Mbit/s  
95th percentile per-packet one-way delay: 41.347 ms  
Loss rate: 0.46%

Run 3: Report of Indigo — Data Link

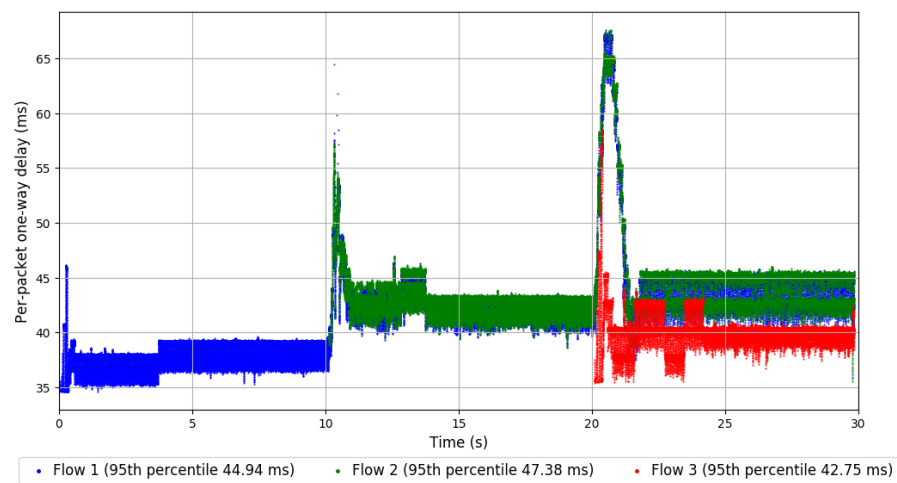
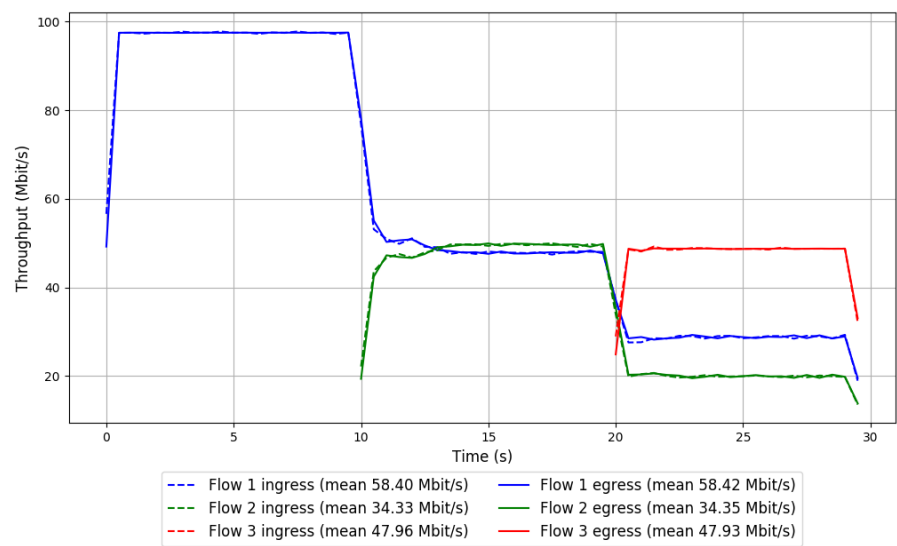


Run 4: Statistics of Indigo

Start at: 2017-11-30 18:44:08  
End at: 2017-11-30 18:44:38  
Local clock offset: 2.88 ms  
Remote clock offset: -22.209 ms

# Below is generated by plot.py at 2017-11-30 23:54:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.82 Mbit/s  
95th percentile per-packet one-way delay: 45.327 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.42 Mbit/s  
95th percentile per-packet one-way delay: 44.935 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 34.35 Mbit/s  
95th percentile per-packet one-way delay: 47.380 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 47.93 Mbit/s  
95th percentile per-packet one-way delay: 42.754 ms  
Loss rate: 0.33%

Run 4: Report of Indigo — Data Link



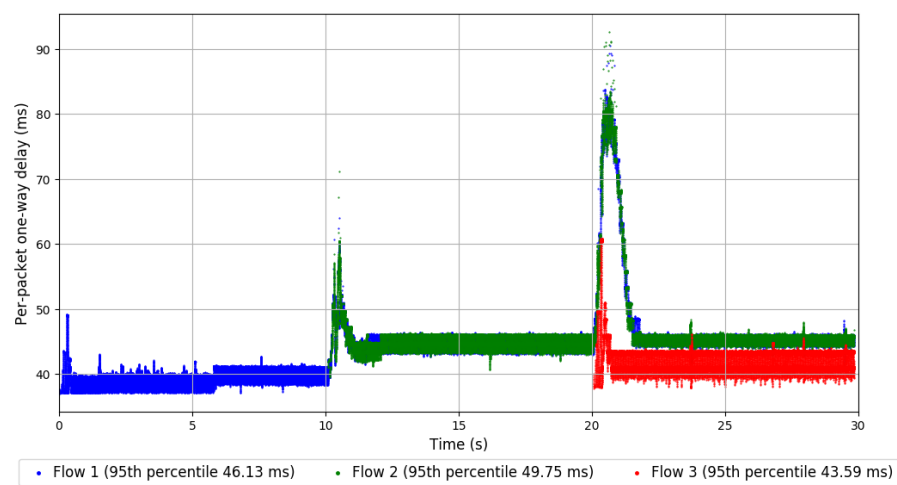
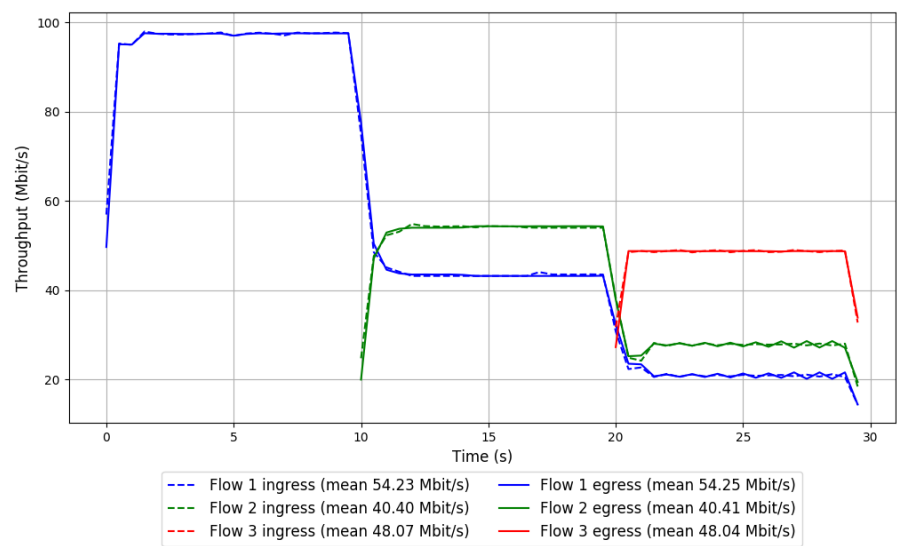
Run 5: Statistics of Indigo

Start at: 2017-11-30 19:01:17  
End at: 2017-11-30 19:01:47  
Local clock offset: 6.376 ms  
Remote clock offset: -21.602 ms

# Below is generated by plot.py at 2017-11-30 23:54:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.74 Mbit/s  
95th percentile per-packet one-way delay: 46.896 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 54.25 Mbit/s  
95th percentile per-packet one-way delay: 46.126 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 40.41 Mbit/s  
95th percentile per-packet one-way delay: 49.751 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 48.04 Mbit/s  
95th percentile per-packet one-way delay: 43.589 ms  
Loss rate: 0.33%



Run 5: Report of Indigo — Data Link

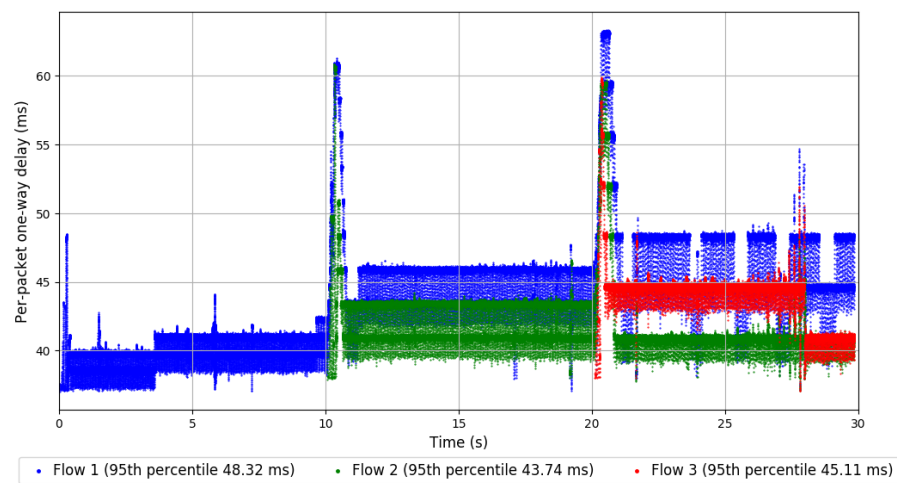
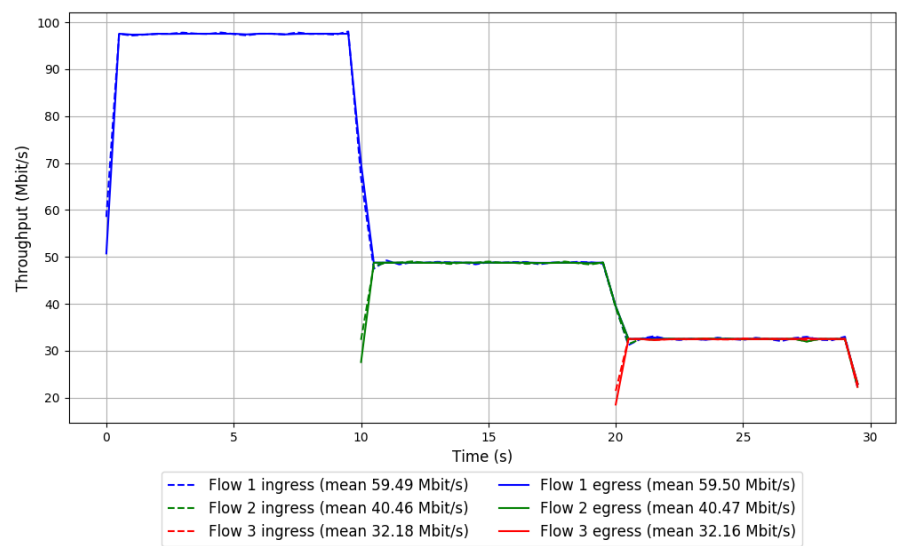


Run 6: Statistics of Indigo

Start at: 2017-11-30 19:18:23  
End at: 2017-11-30 19:18:53  
Local clock offset: 6.319 ms  
Remote clock offset: -21.997 ms

# Below is generated by plot.py at 2017-11-30 23:54:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 48.213 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.50 Mbit/s  
95th percentile per-packet one-way delay: 48.324 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.47 Mbit/s  
95th percentile per-packet one-way delay: 43.739 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.16 Mbit/s  
95th percentile per-packet one-way delay: 45.112 ms  
Loss rate: 0.30%

Run 6: Report of Indigo — Data Link

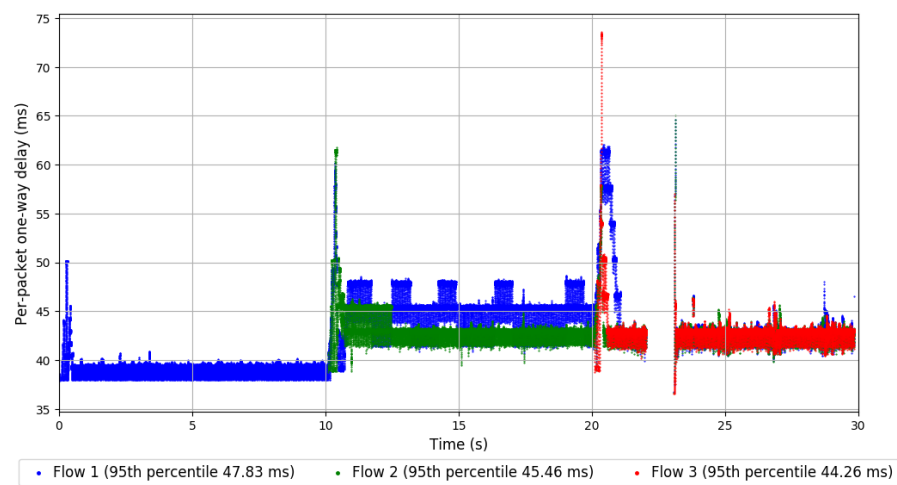
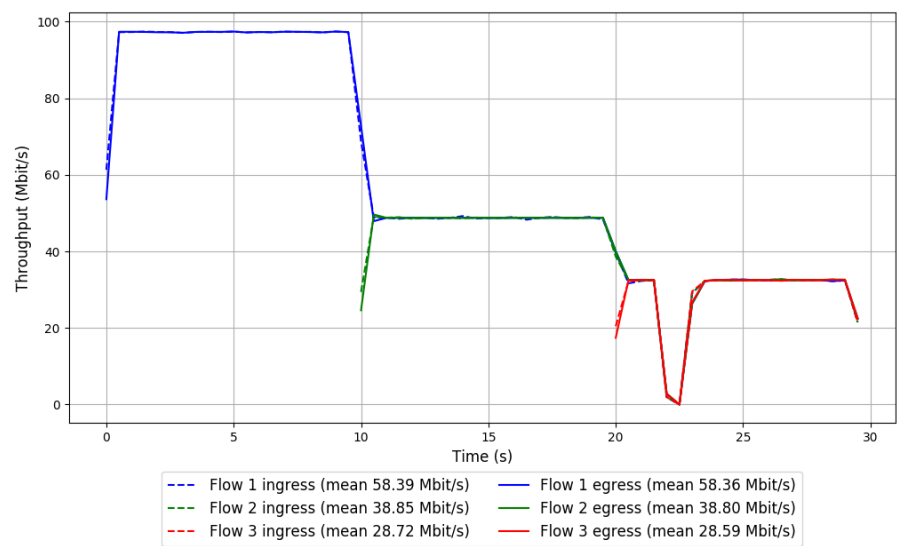


Run 7: Statistics of Indigo

Start at: 2017-11-30 19:35:32  
End at: 2017-11-30 19:36:02  
Local clock offset: 9.257 ms  
Remote clock offset: -21.252 ms

# Below is generated by plot.py at 2017-11-30 23:54:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.39 Mbit/s  
95th percentile per-packet one-way delay: 47.092 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.36 Mbit/s  
95th percentile per-packet one-way delay: 47.832 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 38.80 Mbit/s  
95th percentile per-packet one-way delay: 45.464 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 28.59 Mbit/s  
95th percentile per-packet one-way delay: 44.264 ms  
Loss rate: 0.68%

Run 7: Report of Indigo — Data Link

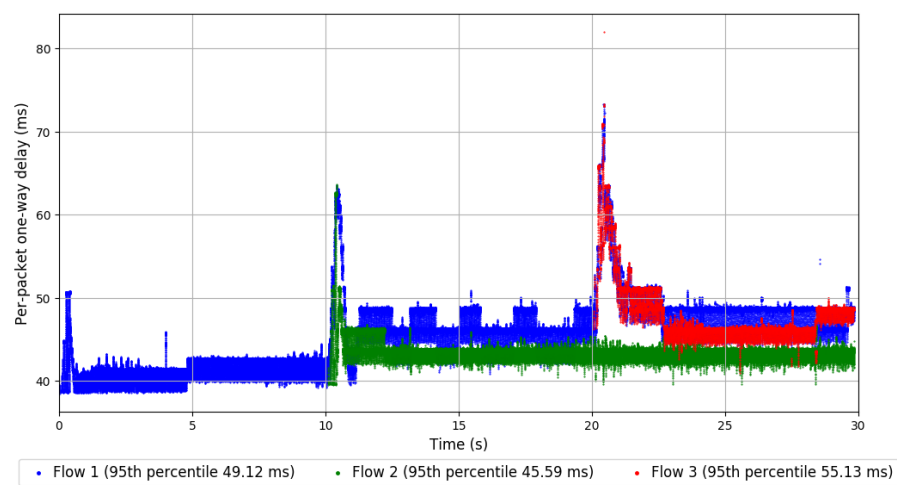
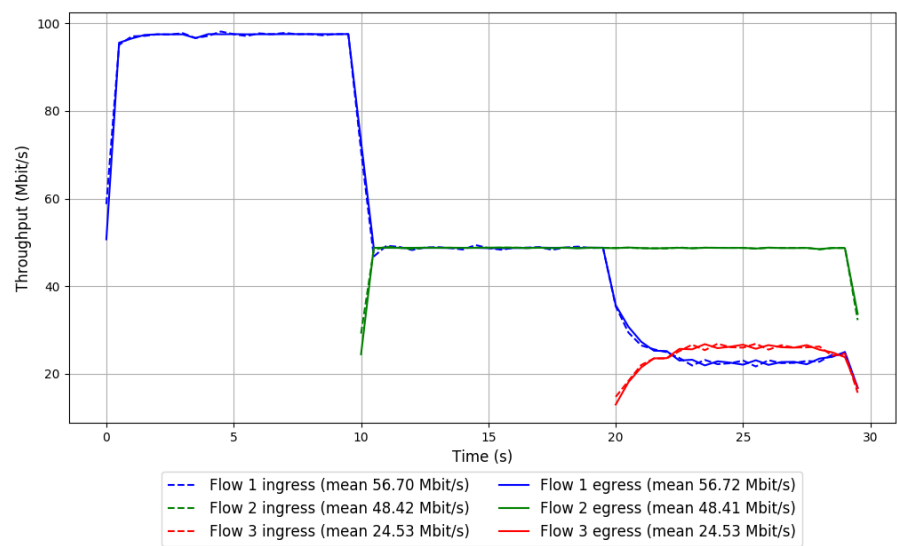


Run 8: Statistics of Indigo

Start at: 2017-11-30 19:52:57  
End at: 2017-11-30 19:53:27  
Local clock offset: 7.458 ms  
Remote clock offset: -22.065 ms

# Below is generated by plot.py at 2017-11-30 23:54:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.79 Mbit/s  
95th percentile per-packet one-way delay: 48.882 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.72 Mbit/s  
95th percentile per-packet one-way delay: 49.117 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 48.41 Mbit/s  
95th percentile per-packet one-way delay: 45.591 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 24.53 Mbit/s  
95th percentile per-packet one-way delay: 55.132 ms  
Loss rate: 0.35%

Run 8: Report of Indigo — Data Link



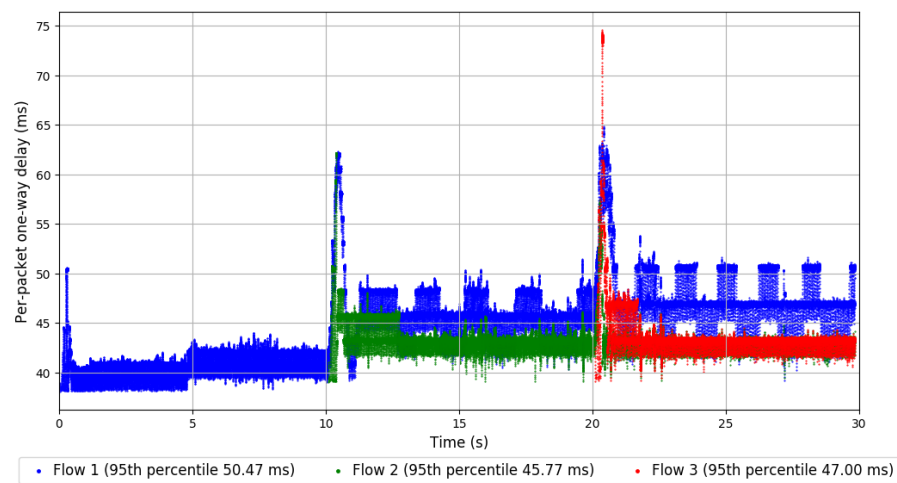
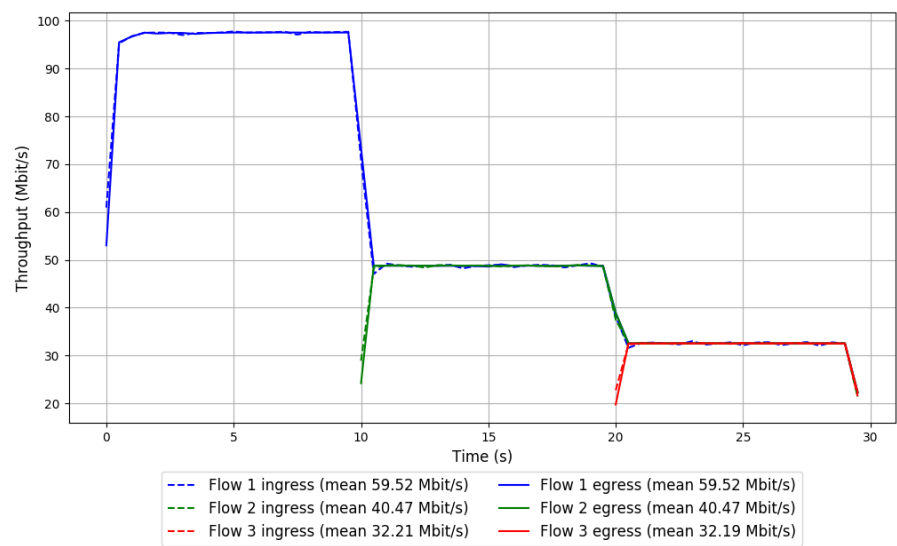
Run 9: Statistics of Indigo

Start at: 2017-11-30 20:10:24  
End at: 2017-11-30 20:10:54  
Local clock offset: 6.069 ms  
Remote clock offset: -21.65 ms

# Below is generated by plot.py at 2017-11-30 23:54:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.84 Mbit/s  
95th percentile per-packet one-way delay: 48.471 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.52 Mbit/s  
95th percentile per-packet one-way delay: 50.471 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.47 Mbit/s  
95th percentile per-packet one-way delay: 45.766 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.19 Mbit/s  
95th percentile per-packet one-way delay: 46.996 ms  
Loss rate: 0.30%



Run 9: Report of Indigo — Data Link

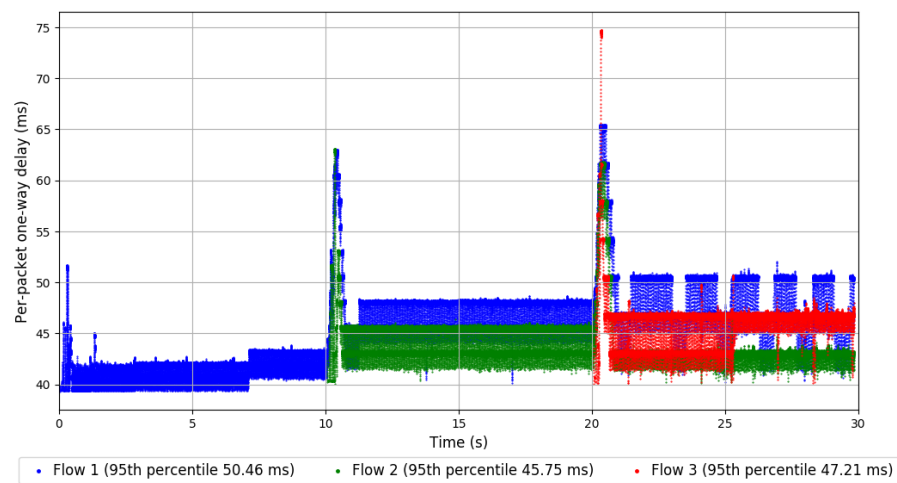
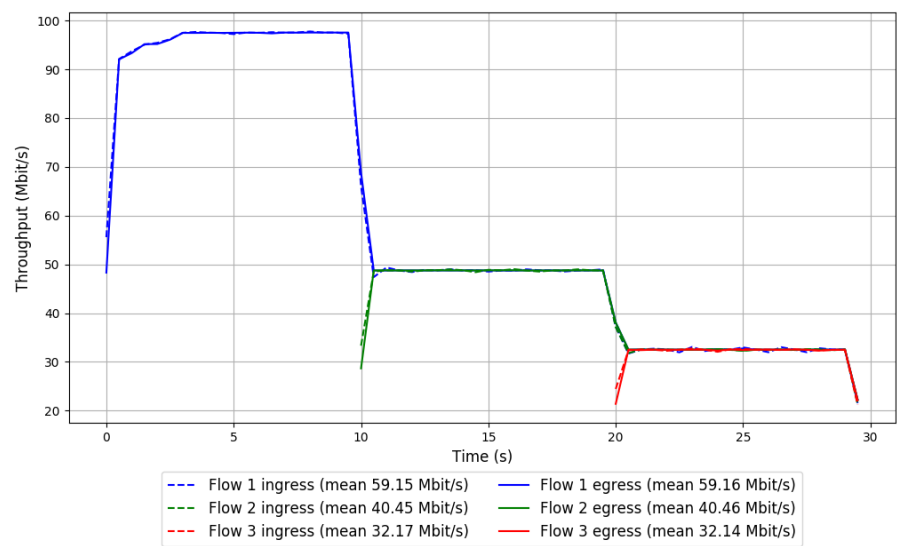


Run 10: Statistics of Indigo

Start at: 2017-11-30 20:27:45  
End at: 2017-11-30 20:28:15  
Local clock offset: 5.49 ms  
Remote clock offset: -20.924 ms

# Below is generated by plot.py at 2017-11-30 23:55:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.55 Mbit/s  
95th percentile per-packet one-way delay: 50.309 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.16 Mbit/s  
95th percentile per-packet one-way delay: 50.462 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.46 Mbit/s  
95th percentile per-packet one-way delay: 45.753 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.14 Mbit/s  
95th percentile per-packet one-way delay: 47.213 ms  
Loss rate: 0.34%

Run 10: Report of Indigo — Data Link

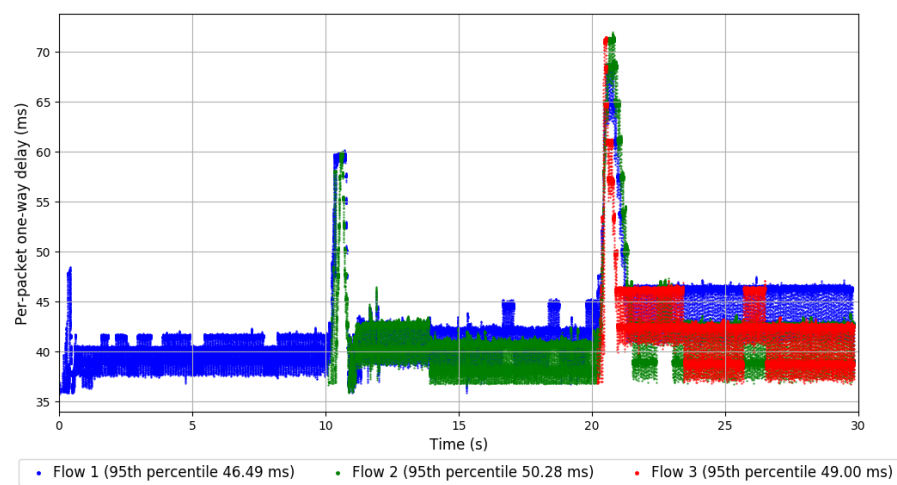
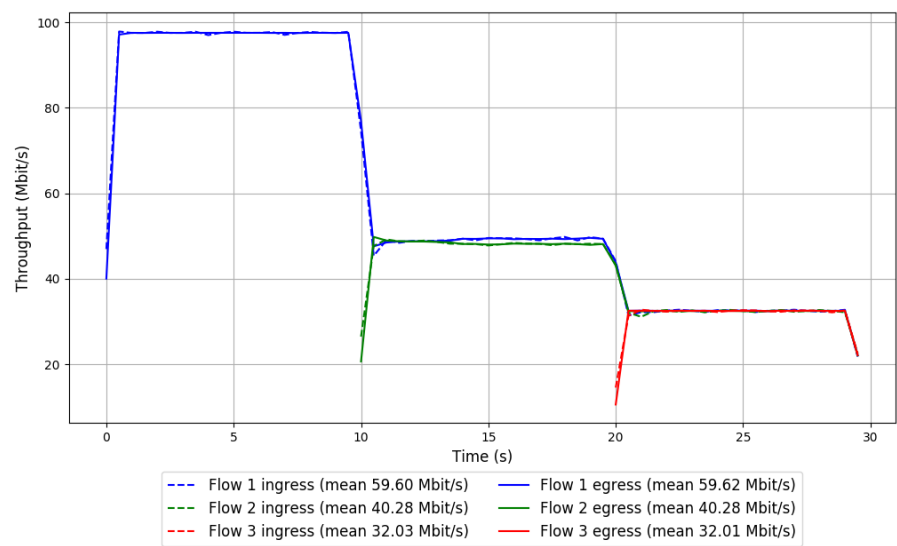


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 18:01:37
End at: 2017-11-30 18:02:07
Local clock offset: 6.245 ms
Remote clock offset: -20.269 ms

# Below is generated by plot.py at 2017-11-30 23:55:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 46.542 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 46.487 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 50.284 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 49.004 ms
Loss rate: 0.46%
```

Run 1: Report of Indigo-calib — Data Link

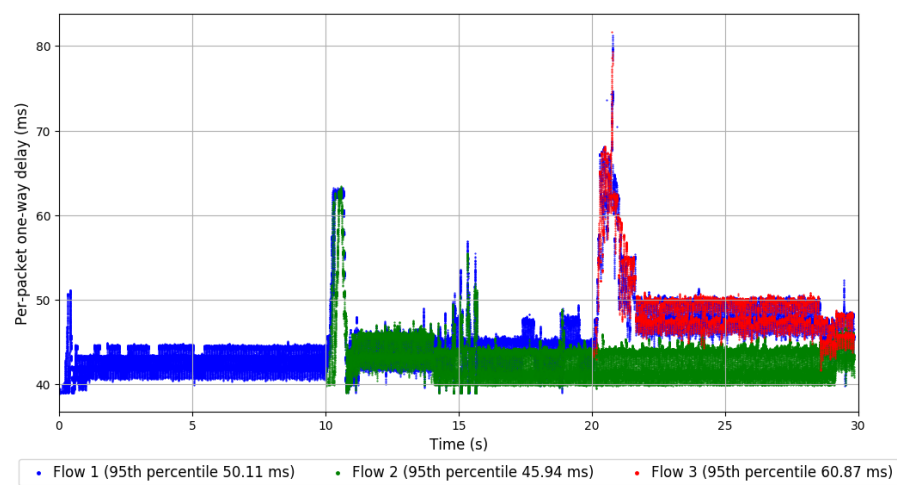
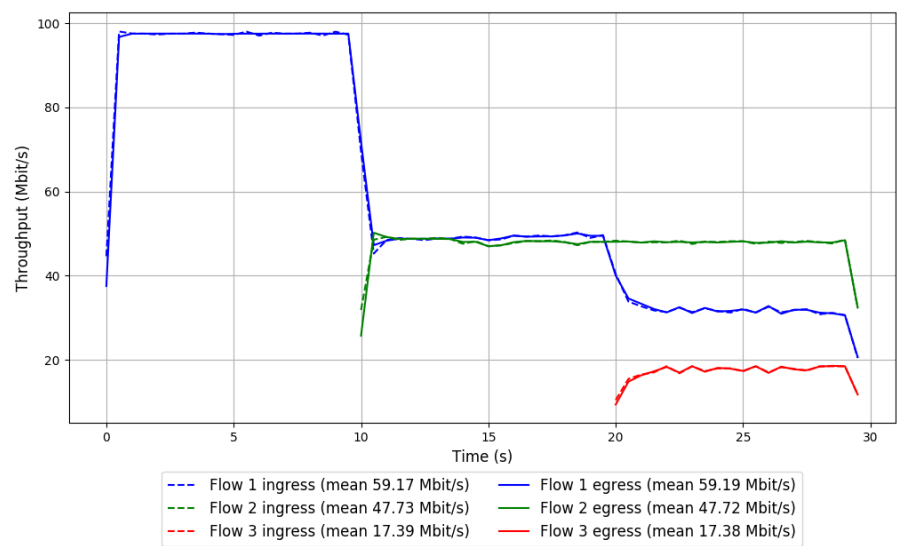


Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 18:19:13  
End at: 2017-11-30 18:19:43  
Local clock offset: 8.375 ms  
Remote clock offset: -20.979 ms

# Below is generated by plot.py at 2017-11-30 23:55:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.56 Mbit/s  
95th percentile per-packet one-way delay: 50.101 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 59.19 Mbit/s  
95th percentile per-packet one-way delay: 50.107 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 47.72 Mbit/s  
95th percentile per-packet one-way delay: 45.939 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 17.38 Mbit/s  
95th percentile per-packet one-way delay: 60.870 ms  
Loss rate: 0.49%

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 18:36:51

End at: 2017-11-30 18:37:21

Local clock offset: 5.71 ms

Remote clock offset: -21.307 ms

# Below is generated by plot.py at 2017-11-30 23:55:42

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 48.151 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 60.31 Mbit/s

95th percentile per-packet one-way delay: 47.244 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 53.303 ms

Loss rate: 0.14%

-- Flow 3:

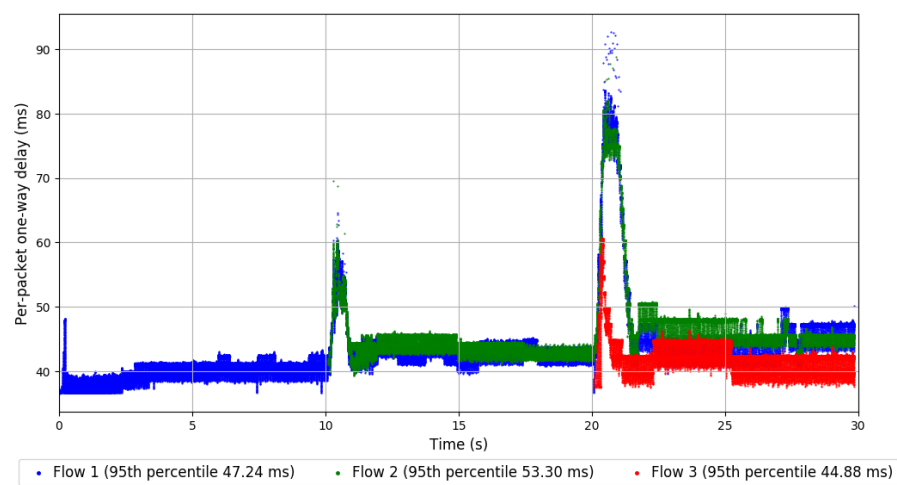
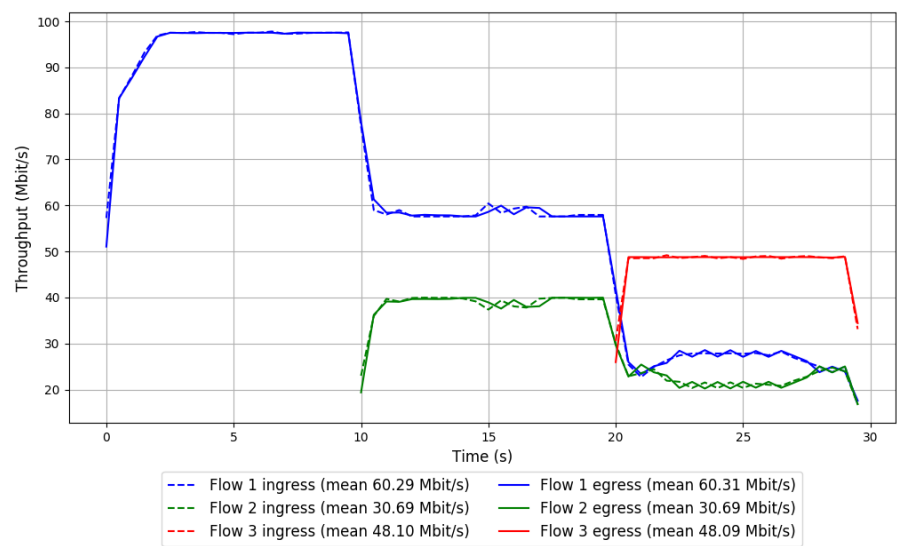
Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 44.877 ms

Loss rate: 0.30%



Run 3: Report of Indigo-calib — Data Link

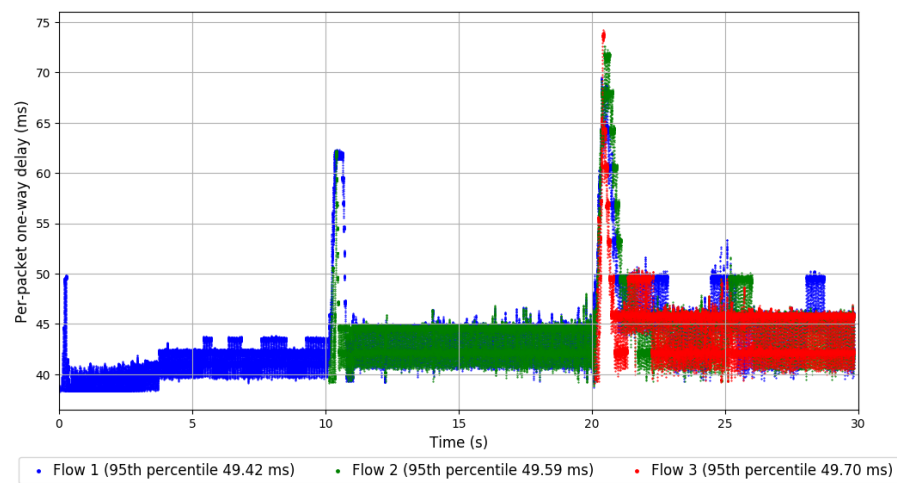
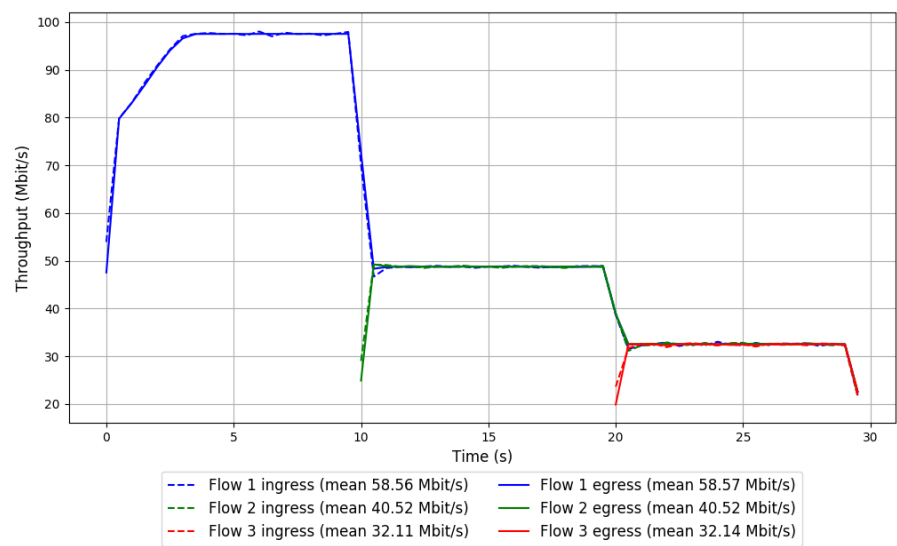


Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 18:54:06  
End at: 2017-11-30 18:54:36  
Local clock offset: 6.004 ms  
Remote clock offset: -23.018 ms

# Below is generated by plot.py at 2017-11-30 23:55:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.90 Mbit/s  
95th percentile per-packet one-way delay: 49.526 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.57 Mbit/s  
95th percentile per-packet one-way delay: 49.419 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.52 Mbit/s  
95th percentile per-packet one-way delay: 49.590 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 32.14 Mbit/s  
95th percentile per-packet one-way delay: 49.699 ms  
Loss rate: 0.30%

Run 4: Report of Indigo-calib — Data Link

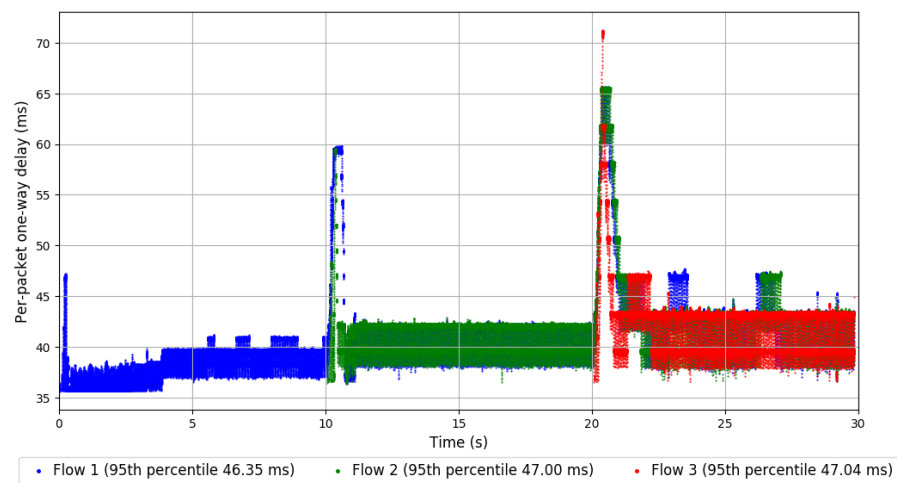
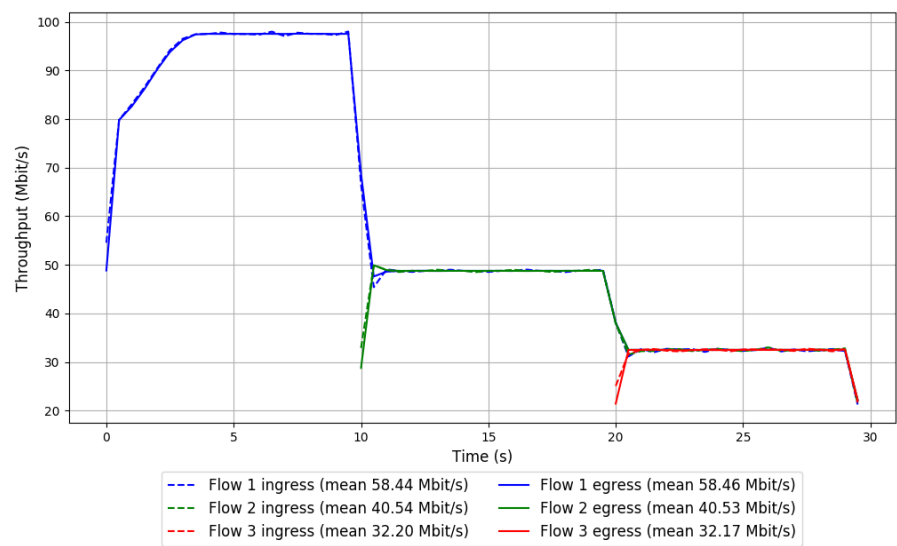


Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 19:11:17  
End at: 2017-11-30 19:11:47  
Local clock offset: 5.453 ms  
Remote clock offset: -21.354 ms

# Below is generated by plot.py at 2017-11-30 23:55:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.88 Mbit/s  
95th percentile per-packet one-way delay: 46.869 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.46 Mbit/s  
95th percentile per-packet one-way delay: 46.351 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.53 Mbit/s  
95th percentile per-packet one-way delay: 46.998 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 32.17 Mbit/s  
95th percentile per-packet one-way delay: 47.037 ms  
Loss rate: 0.33%

Run 5: Report of Indigo-calib — Data Link

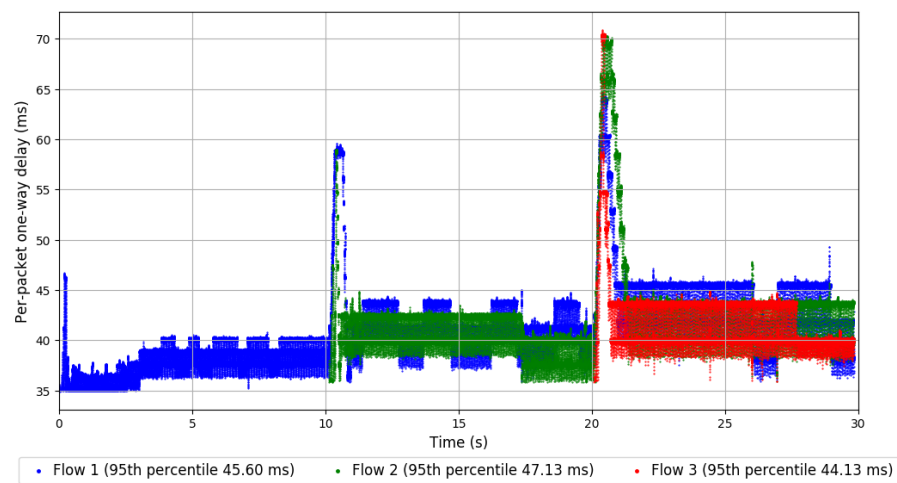
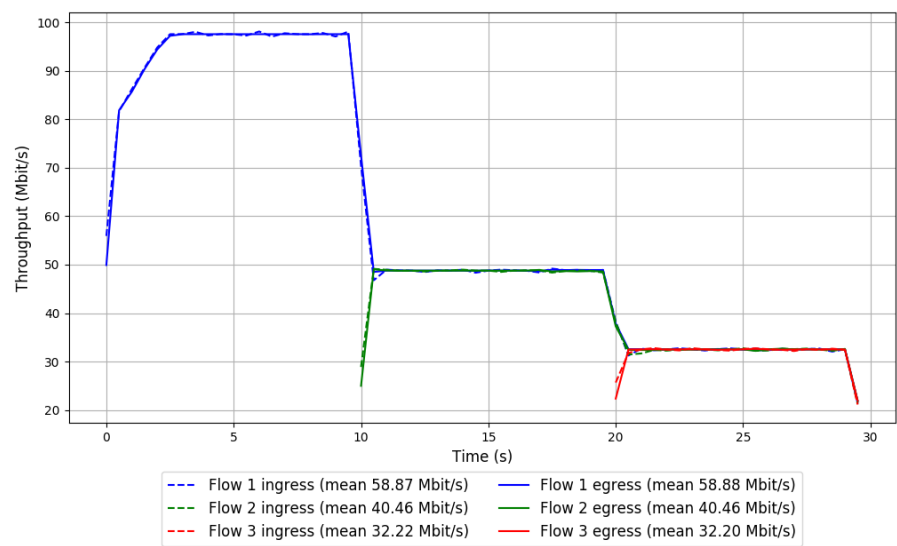


Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 19:28:06  
End at: 2017-11-30 19:28:36  
Local clock offset: 6.552 ms  
Remote clock offset: -21.295 ms

# Below is generated by plot.py at 2017-11-30 23:56:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.19 Mbit/s  
95th percentile per-packet one-way delay: 45.596 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.88 Mbit/s  
95th percentile per-packet one-way delay: 45.597 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.46 Mbit/s  
95th percentile per-packet one-way delay: 47.126 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 32.20 Mbit/s  
95th percentile per-packet one-way delay: 44.133 ms  
Loss rate: 0.29%

Run 6: Report of Indigo-calib — Data Link



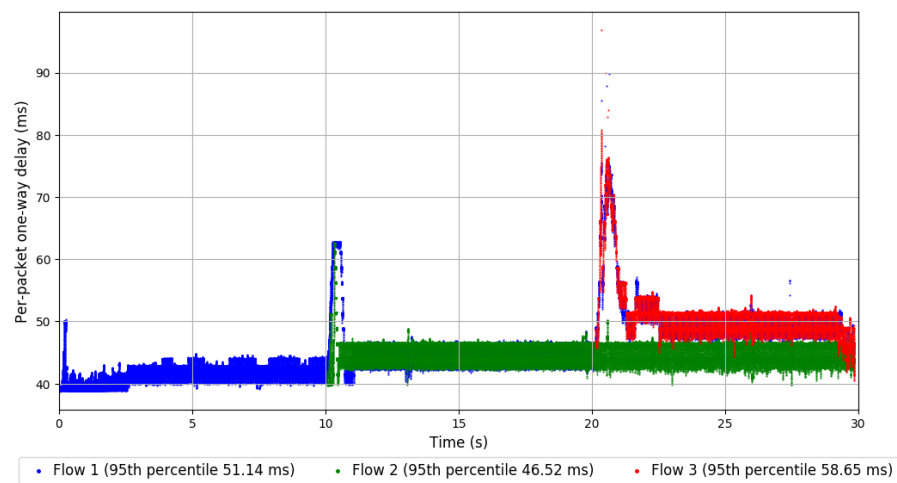
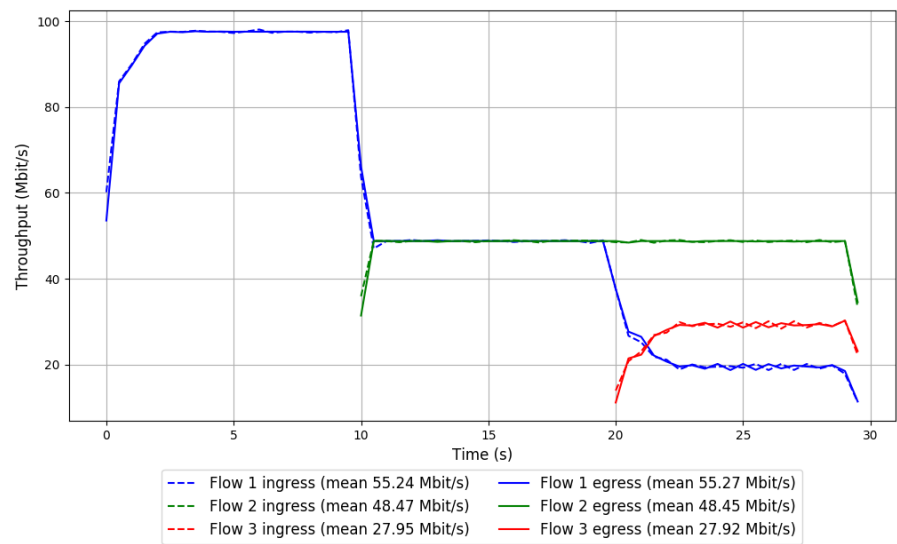
Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 19:45:37  
End at: 2017-11-30 19:46:07  
Local clock offset: 7.588 ms  
Remote clock offset: -22.875 ms

# Below is generated by plot.py at 2017-11-30 23:56:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 51.327 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 55.27 Mbit/s  
95th percentile per-packet one-way delay: 51.138 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 48.45 Mbit/s  
95th percentile per-packet one-way delay: 46.521 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 27.92 Mbit/s  
95th percentile per-packet one-way delay: 58.647 ms  
Loss rate: 0.39%



Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

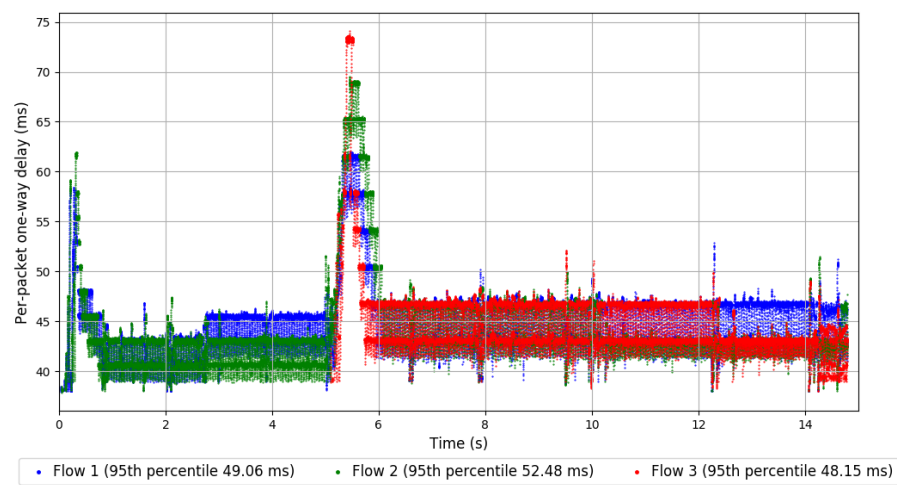
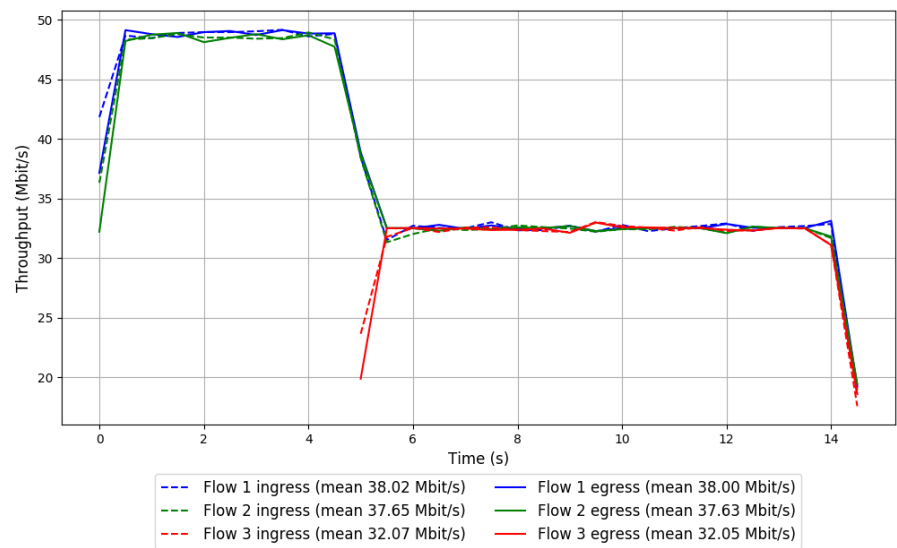
Start at: 2017-11-30 20:03:04

End at: 2017-11-30 20:03:34

Local clock offset: 5.907 ms

Remote clock offset: -22.33 ms

Run 8: Report of Indigo-calib — Data Link

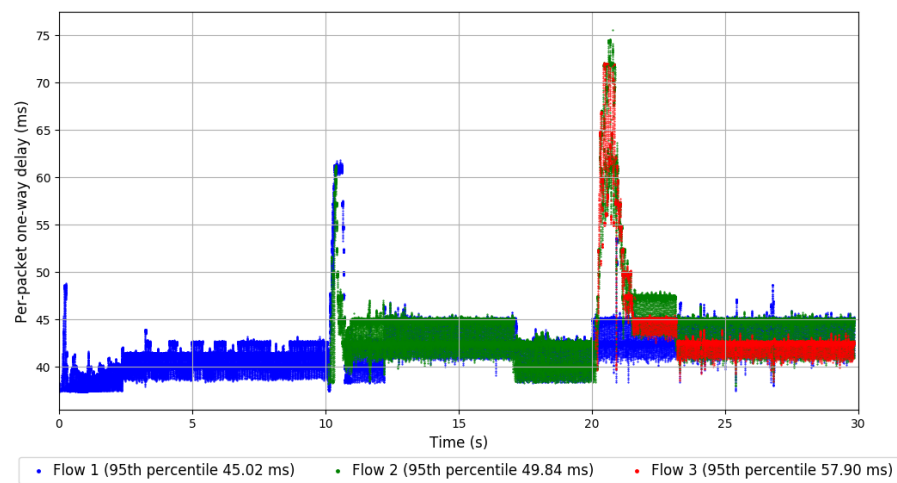
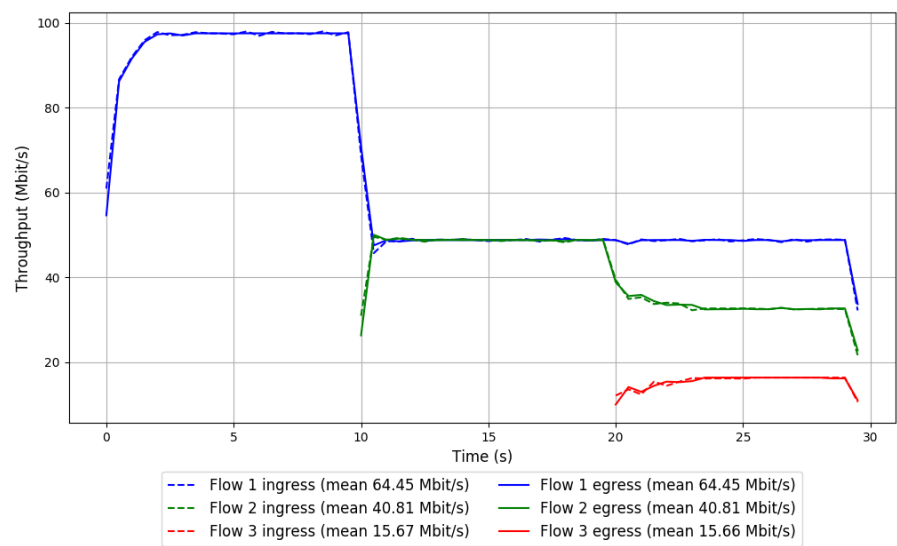


Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 20:20:39  
End at: 2017-11-30 20:21:09  
Local clock offset: 4.971 ms  
Remote clock offset: -21.271 ms

# Below is generated by plot.py at 2017-11-30 23:56:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.58 Mbit/s  
95th percentile per-packet one-way delay: 45.498 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 64.45 Mbit/s  
95th percentile per-packet one-way delay: 45.019 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.81 Mbit/s  
95th percentile per-packet one-way delay: 49.836 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 15.66 Mbit/s  
95th percentile per-packet one-way delay: 57.901 ms  
Loss rate: 0.31%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-30 20:37:30  
End at: 2017-11-30 20:38:00  
Local clock offset: 4.343 ms  
Remote clock offset: -17.028 ms

# Below is generated by plot.py at 2017-11-30 23:56:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.11 Mbit/s  
95th percentile per-packet one-way delay: 42.025 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 57.02 Mbit/s  
95th percentile per-packet one-way delay: 41.808 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 41.41 Mbit/s  
95th percentile per-packet one-way delay: 45.516 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 32.43 Mbit/s  
95th percentile per-packet one-way delay: 42.163 ms  
Loss rate: 0.29%

# Run 10: Report of Indigo-calib — Data Link

