

## Pantheon Report

Generated at 2017-09-08 06:13:00 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 15 congestion control schemes 10 times.

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

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

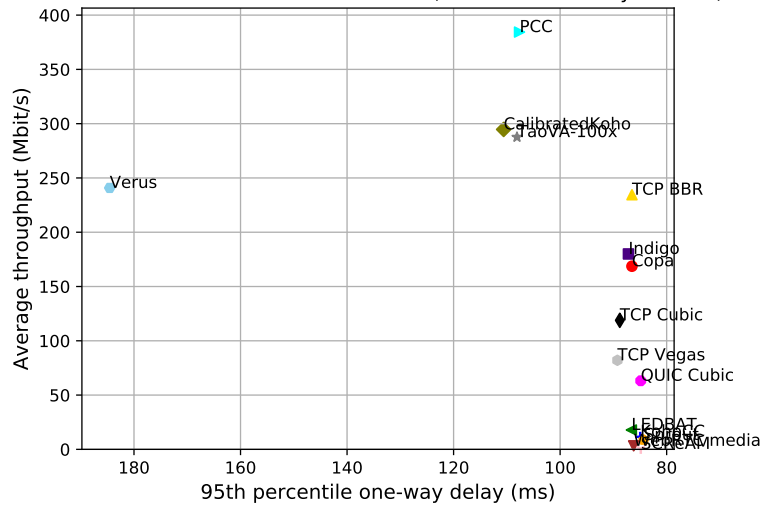
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

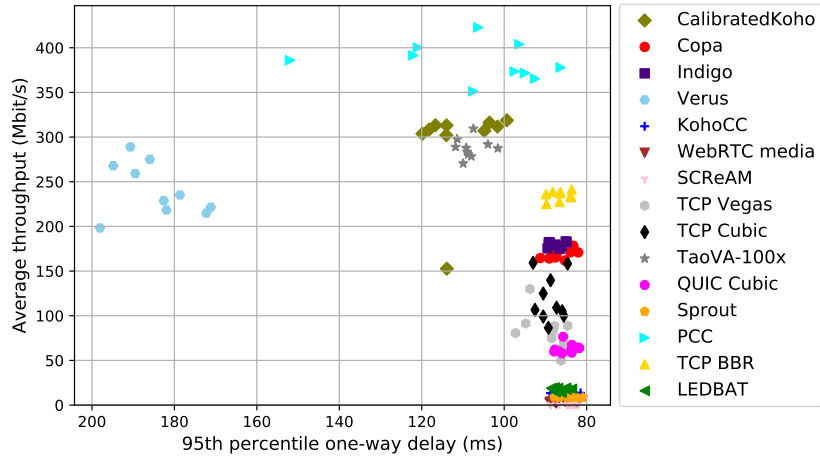
Git summary:

```
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows



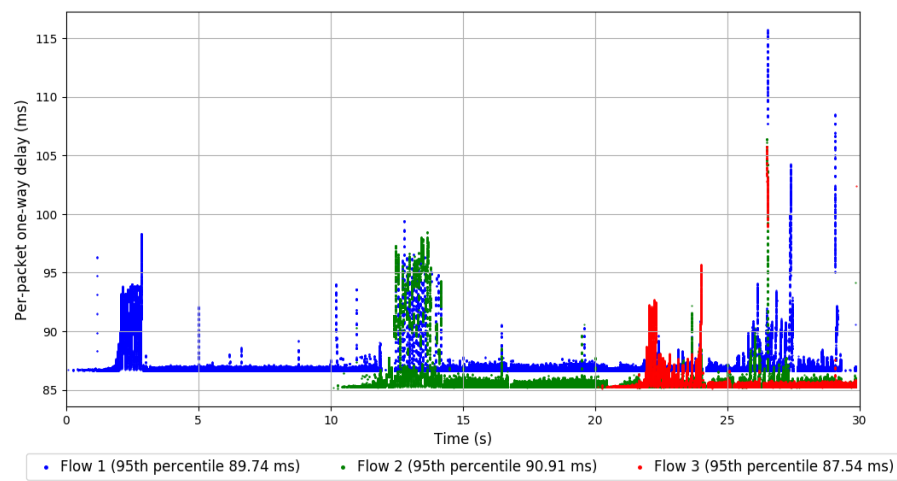
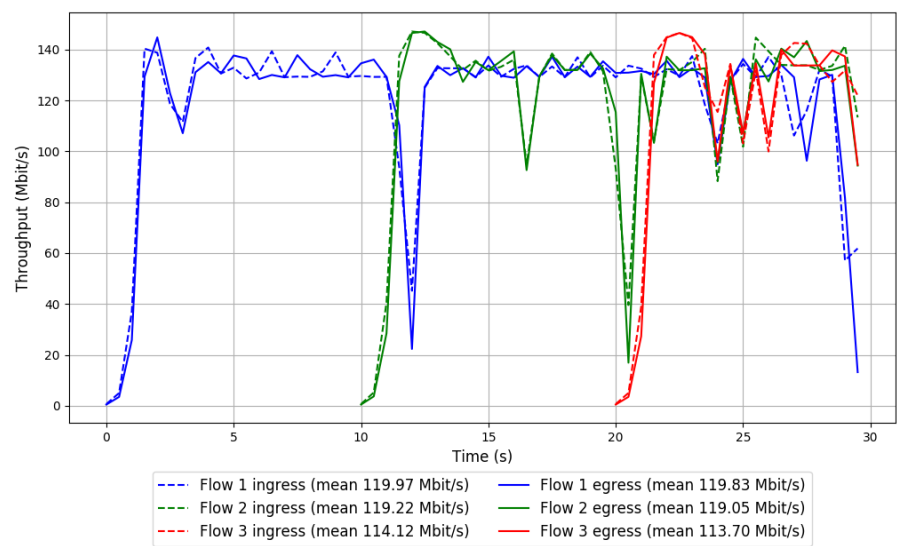
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	9	119.76	116.83	112.34	86.30	85.91	89.60	0.58	0.98	2.03
CalibratedKoho	10	188.90	153.51	11.68	113.74	104.12	89.82	20.63	33.22	41.18
Copa	10	91.02	84.95	83.12	86.64	85.00	93.94	0.56	0.95	2.48
TCP Cubic	10	58.76	57.91	66.12	86.71	87.73	90.04	0.54	0.74	1.89
Indigo	10	89.23	92.04	84.46	86.63	87.72	86.90	0.66	0.93	2.07
KohoCC	10	5.29	6.80	6.54	366.73	84.52	83.99	0.41	0.88	1.85
LEDBAT	10	11.32	7.92	3.99	86.60	85.63	85.88	0.98	1.64	3.48
PCC	10	300.42	68.33	119.01	107.07	87.41	97.50	8.18	16.27	15.69
QUIC Cubic	10	35.49	31.38	21.48	84.27	84.15	83.92	0.63	0.92	1.85
SCReAM	10	0.48	0.22	0.22	492.95	83.46	84.23	0.46	0.86	1.67
Sprout	10	4.50	4.46	3.59	83.61	83.47	84.37	0.69	1.04	2.40
TaoVA-100x	10	162.51	141.98	122.12	108.05	108.16	107.83	0.53	0.95	2.47
TCP Vegas	10	42.19	33.41	53.99	88.83	85.77	92.77	0.35	0.71	1.46
Verus	10	135.65	120.80	77.51	172.31	190.25	186.70	5.76	8.83	6.44
WebRTC media	10	1.79	1.13	0.33	86.00	85.95	86.53	0.82	1.38	4.07

Run 1: Statistics of TCP BBR

Start at: 2017-09-07 21:57:04  
End at: 2017-09-07 21:57:34  
Local clock offset: 0.041 ms  
Remote clock offset: -5.716 ms

# Below is generated by plot.py at 2017-09-08 05:45:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 236.09 Mbit/s  
95th percentile per-packet one-way delay: 89.867 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 119.83 Mbit/s  
95th percentile per-packet one-way delay: 89.740 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 119.05 Mbit/s  
95th percentile per-packet one-way delay: 90.913 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 113.70 Mbit/s  
95th percentile per-packet one-way delay: 87.537 ms  
Loss rate: 1.91%

Run 1: Report of TCP BBR — Data Link

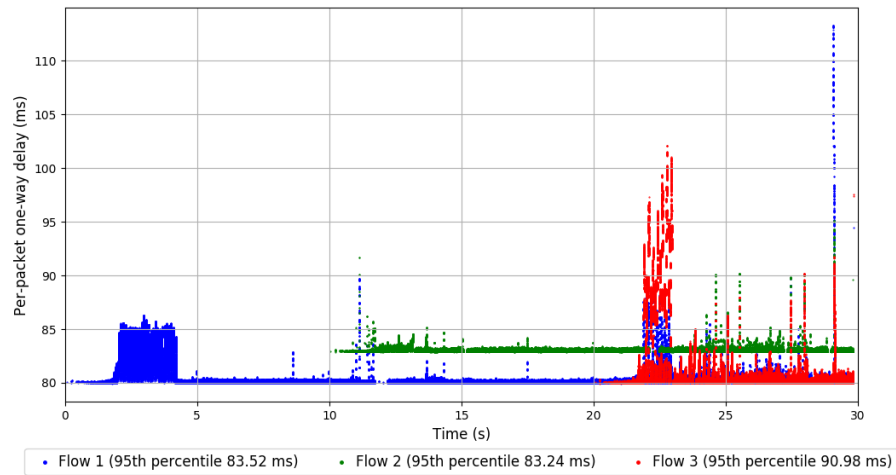
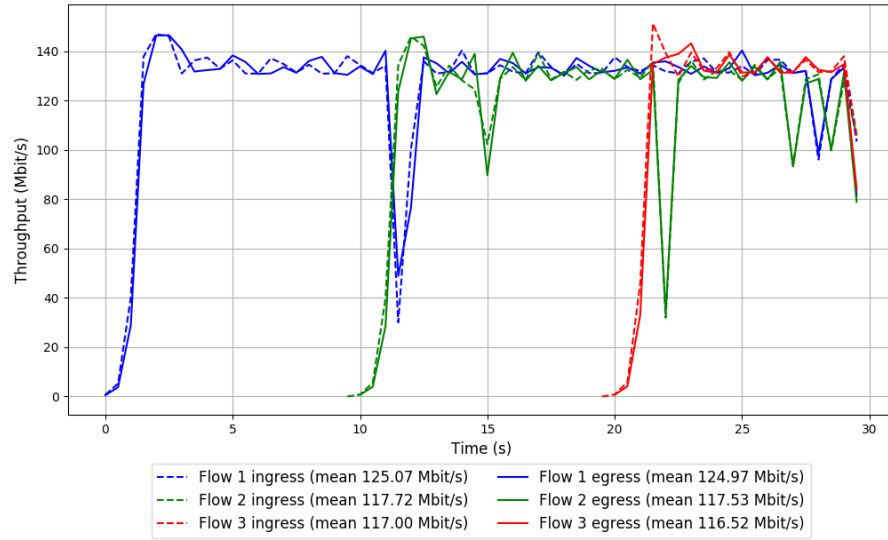


Run 2: Statistics of TCP BBR

Start at: 2017-09-07 22:18:35  
End at: 2017-09-07 22:19:05  
Local clock offset: 0.041 ms  
Remote clock offset: -0.479 ms

# Below is generated by plot.py at 2017-09-08 05:45:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 241.34 Mbit/s  
95th percentile per-packet one-way delay: 83.633 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 124.97 Mbit/s  
95th percentile per-packet one-way delay: 83.521 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 117.53 Mbit/s  
95th percentile per-packet one-way delay: 83.237 ms  
Loss rate: 1.01%  
-- Flow 3:  
Average throughput: 116.52 Mbit/s  
95th percentile per-packet one-way delay: 90.981 ms  
Loss rate: 1.95%

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

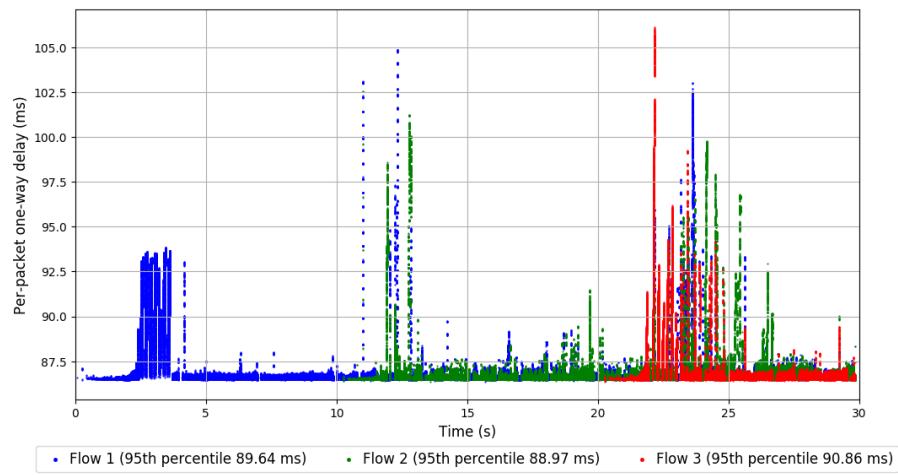
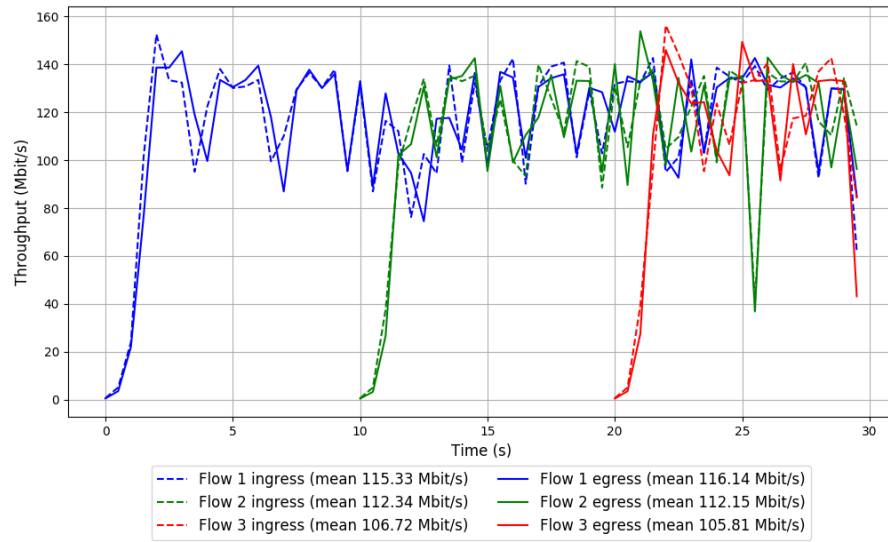


Run 3: Statistics of TCP BBR

Start at: 2017-09-07 22:40:16  
End at: 2017-09-07 22:40:46  
Local clock offset: 0.022 ms  
Remote clock offset: -6.059 ms

# Below is generated by plot.py at 2017-09-08 05:46:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 225.07 Mbit/s  
95th percentile per-packet one-way delay: 89.759 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 116.14 Mbit/s  
95th percentile per-packet one-way delay: 89.640 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 112.15 Mbit/s  
95th percentile per-packet one-way delay: 88.971 ms  
Loss rate: 1.01%  
-- Flow 3:  
Average throughput: 105.81 Mbit/s  
95th percentile per-packet one-way delay: 90.861 ms  
Loss rate: 2.48%

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



Run 4: Statistics of TCP BBR

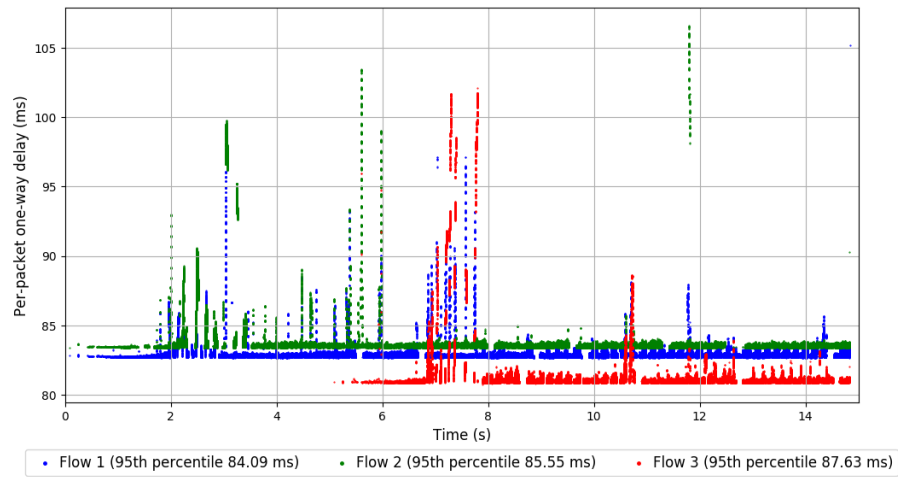
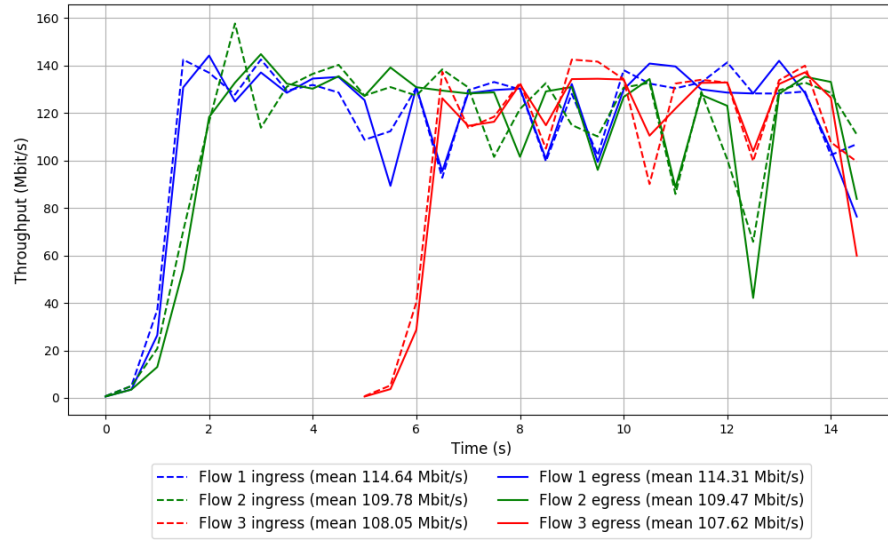
Start at: 2017-09-07 23:01:54

End at: 2017-09-07 23:02:24

Local clock offset: -0.003 ms

Remote clock offset: -1.284 ms

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

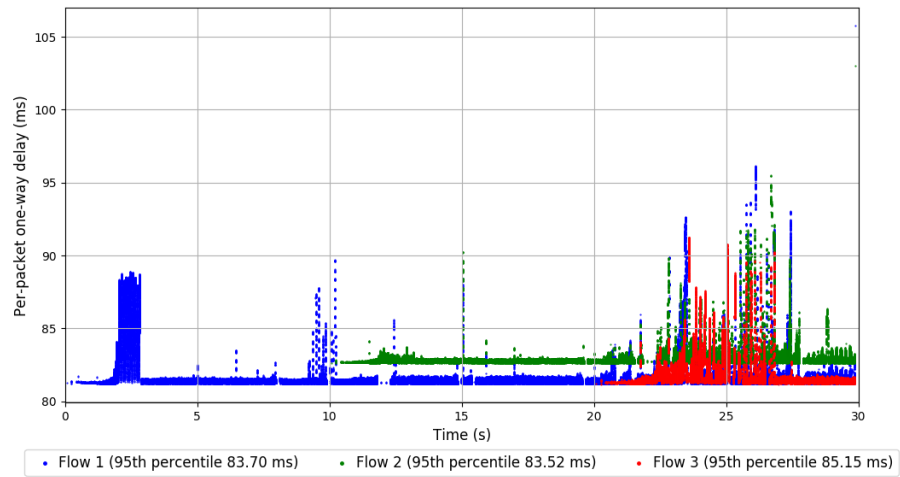
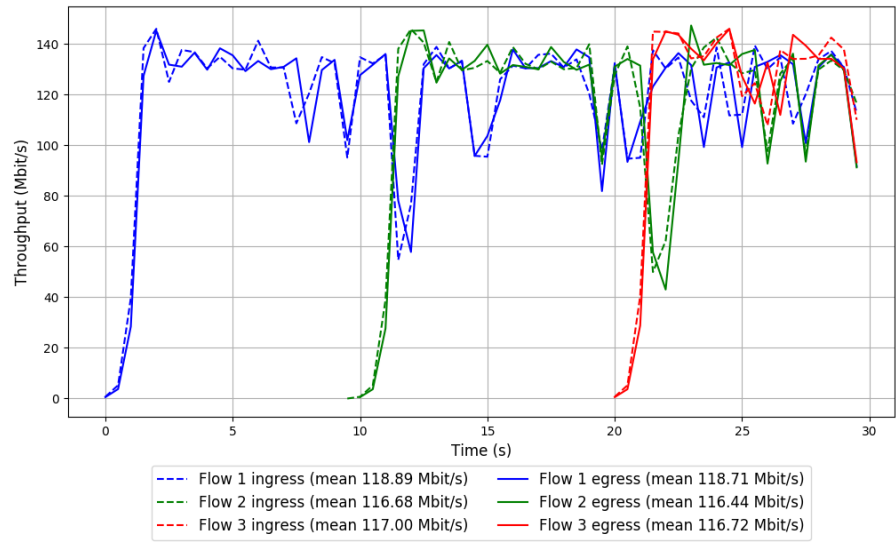


Run 5: Statistics of TCP BBR

Start at: 2017-09-07 23:23:37  
End at: 2017-09-07 23:24:07  
Local clock offset: -0.086 ms  
Remote clock offset: -1.474 ms

# Below is generated by plot.py at 2017-09-08 05:46:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 234.27 Mbit/s  
95th percentile per-packet one-way delay: 83.850 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 118.71 Mbit/s  
95th percentile per-packet one-way delay: 83.696 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 116.44 Mbit/s  
95th percentile per-packet one-way delay: 83.518 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 116.72 Mbit/s  
95th percentile per-packet one-way delay: 85.150 ms  
Loss rate: 1.93%

# Run 5: Report of TCP BBR — Data Link

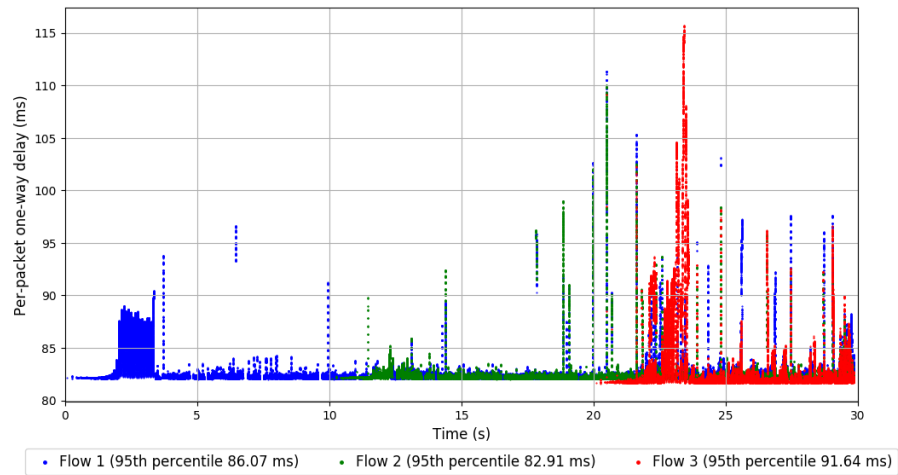
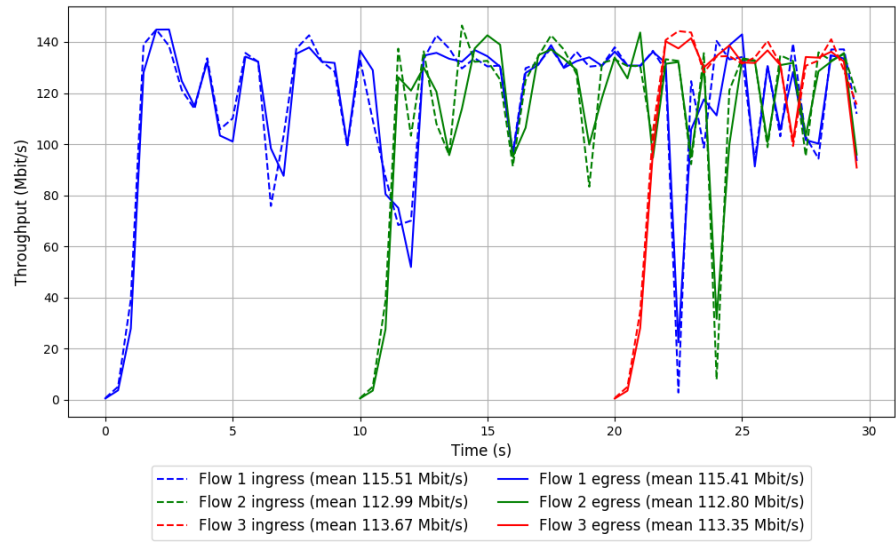


Run 6: Statistics of TCP BBR

Start at: 2017-09-07 23:45:28  
End at: 2017-09-07 23:45:58  
Local clock offset: -0.068 ms  
Remote clock offset: -2.582 ms

# Below is generated by plot.py at 2017-09-08 05:46:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 227.40 Mbit/s  
95th percentile per-packet one-way delay: 86.571 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 115.41 Mbit/s  
95th percentile per-packet one-way delay: 86.069 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 112.80 Mbit/s  
95th percentile per-packet one-way delay: 82.914 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 113.35 Mbit/s  
95th percentile per-packet one-way delay: 91.640 ms  
Loss rate: 1.98%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-08 00:07:09

End at: 2017-09-08 00:07:39

Local clock offset: 0.001 ms

Remote clock offset: -2.84 ms

# Below is generated by plot.py at 2017-09-08 05:47:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 238.37 Mbit/s

95th percentile per-packet one-way delay: 86.350 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 118.68 Mbit/s

95th percentile per-packet one-way delay: 87.312 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 120.41 Mbit/s

95th percentile per-packet one-way delay: 85.414 ms

Loss rate: 0.98%

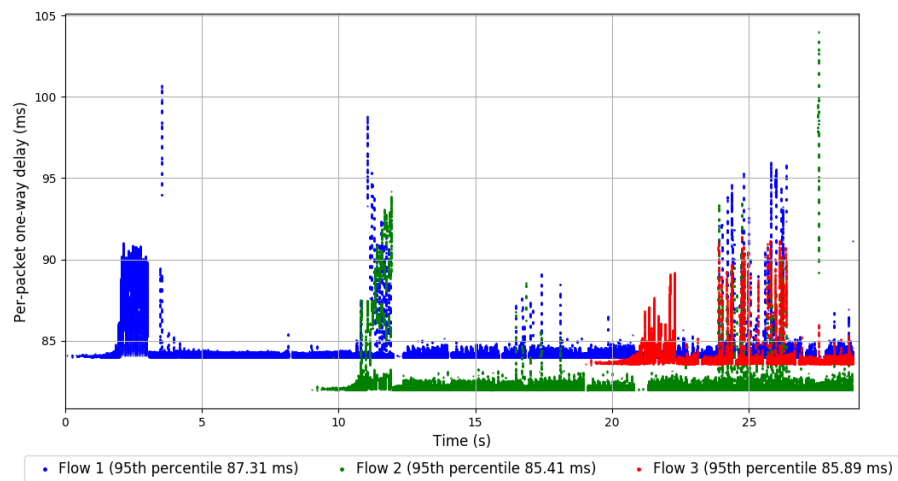
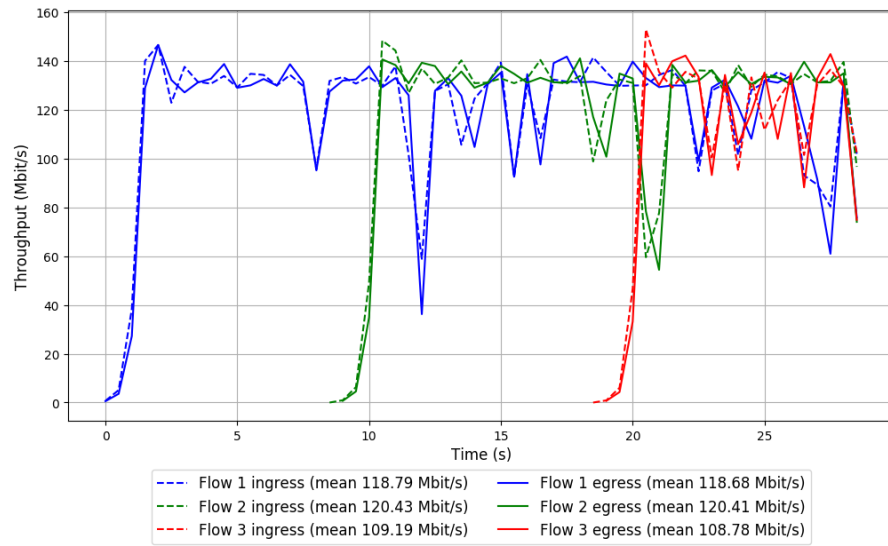
-- Flow 3:

Average throughput: 108.78 Mbit/s

95th percentile per-packet one-way delay: 85.887 ms

Loss rate: 2.07%

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

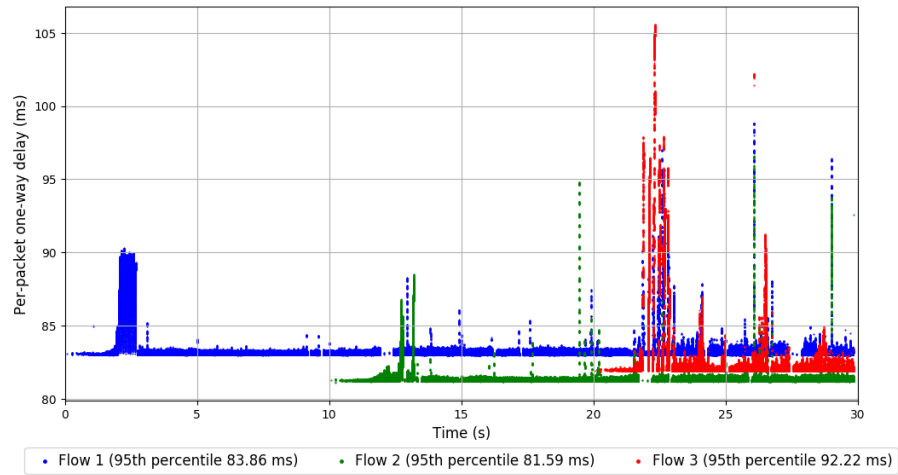
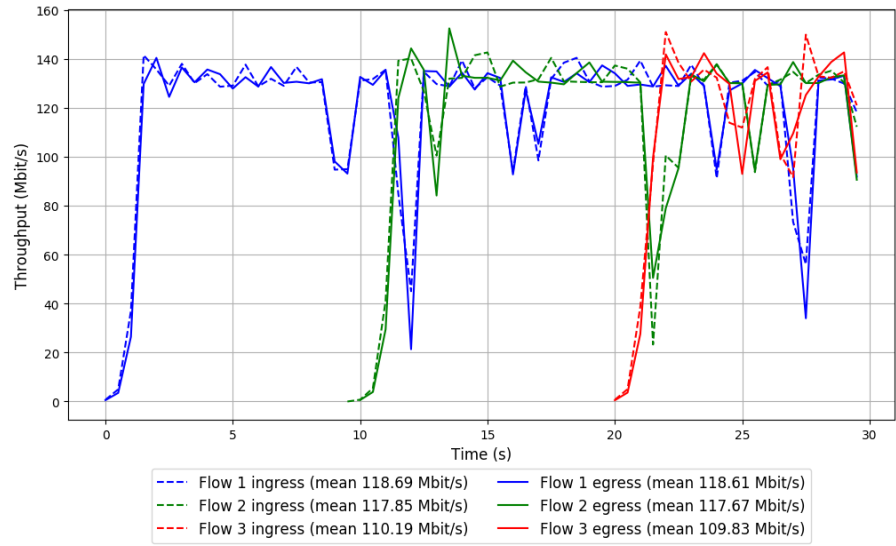


Run 8: Statistics of TCP BBR

Start at: 2017-09-08 00:28:27  
End at: 2017-09-08 00:28:57  
Local clock offset: -0.036 ms  
Remote clock offset: -2.287 ms

# Below is generated by plot.py at 2017-09-08 05:47:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 232.71 Mbit/s  
95th percentile per-packet one-way delay: 83.863 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 118.61 Mbit/s  
95th percentile per-packet one-way delay: 83.864 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 117.67 Mbit/s  
95th percentile per-packet one-way delay: 81.591 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 109.83 Mbit/s  
95th percentile per-packet one-way delay: 92.222 ms  
Loss rate: 2.02%

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

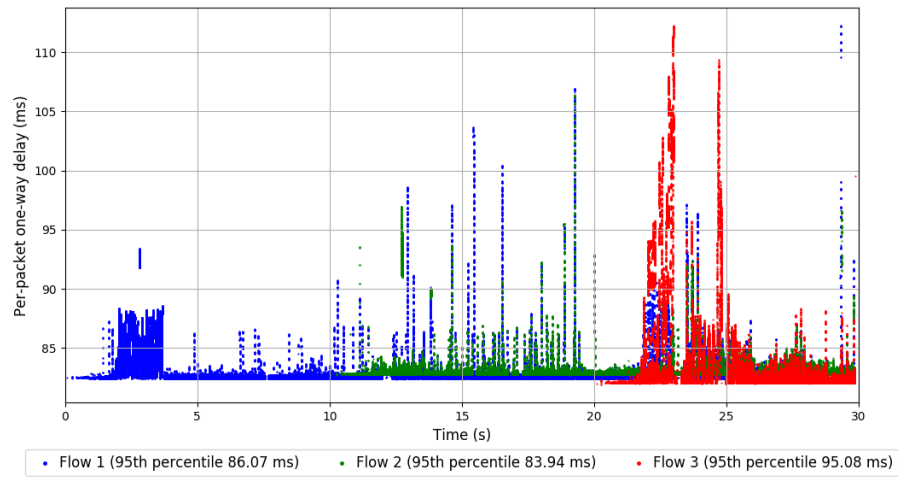
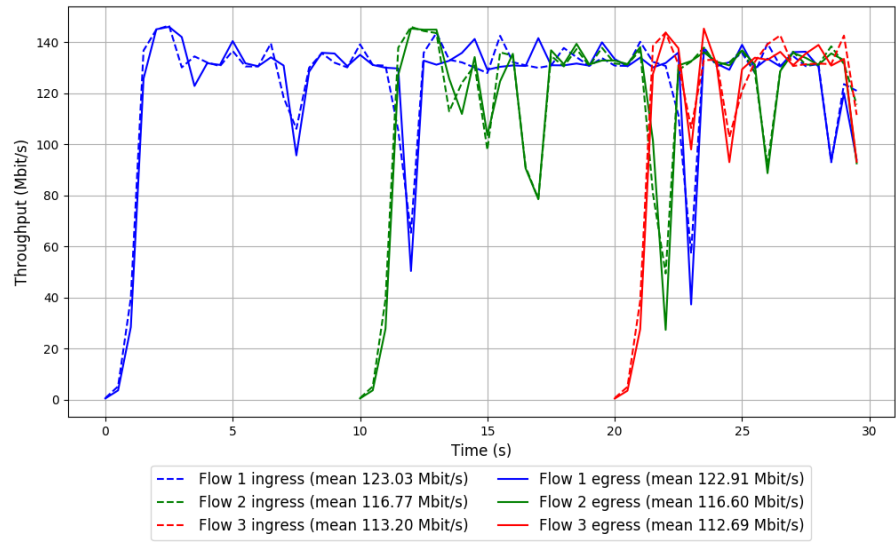


Run 9: Statistics of TCP BBR

Start at: 2017-09-08 00:49:36  
End at: 2017-09-08 00:50:06  
Local clock offset: 0.168 ms  
Remote clock offset: -3.527 ms

# Below is generated by plot.py at 2017-09-08 05:47:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 237.19 Mbit/s  
95th percentile per-packet one-way delay: 86.494 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 122.91 Mbit/s  
95th percentile per-packet one-way delay: 86.068 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 116.60 Mbit/s  
95th percentile per-packet one-way delay: 83.940 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 112.69 Mbit/s  
95th percentile per-packet one-way delay: 95.075 ms  
Loss rate: 1.97%

# Run 9: Report of TCP BBR — Data Link

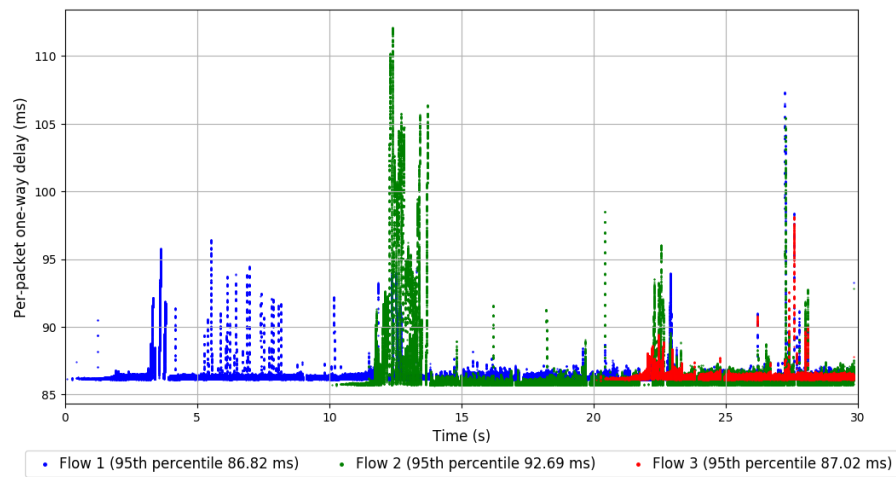
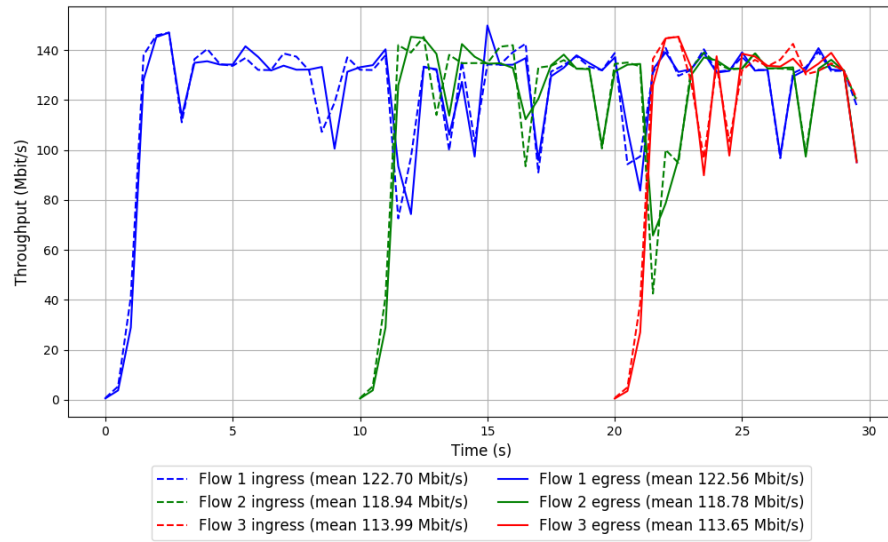


Run 10: Statistics of TCP BBR

Start at: 2017-09-08 01:11:13  
End at: 2017-09-08 01:11:43  
Local clock offset: 0.052 ms  
Remote clock offset: -7.545 ms

# Below is generated by plot.py at 2017-09-08 05:47:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 238.63 Mbit/s  
95th percentile per-packet one-way delay: 88.198 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 122.56 Mbit/s  
95th percentile per-packet one-way delay: 86.816 ms  
Loss rate: 0.61%  
-- Flow 2:  
Average throughput: 118.78 Mbit/s  
95th percentile per-packet one-way delay: 92.693 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 113.65 Mbit/s  
95th percentile per-packet one-way delay: 87.018 ms  
Loss rate: 1.99%

# Run 10: Report of TCP BBR — Data Link

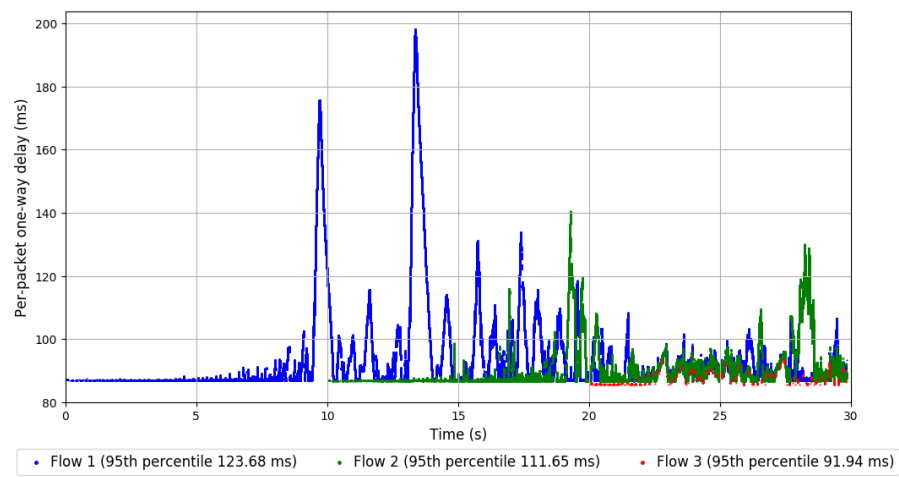
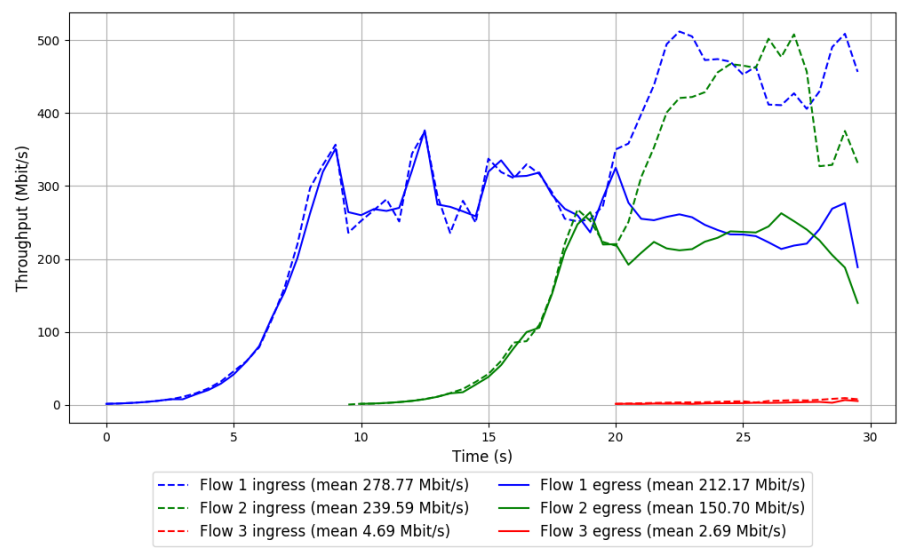


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-07 22:04:31  
End at: 2017-09-07 22:05:01  
Local clock offset: 0.044 ms  
Remote clock offset: -5.537 ms

# Below is generated by plot.py at 2017-09-08 05:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 313.26 Mbit/s  
95th percentile per-packet one-way delay: 116.667 ms  
Loss rate: 29.21%  
-- Flow 1:  
Average throughput: 212.17 Mbit/s  
95th percentile per-packet one-way delay: 123.683 ms  
Loss rate: 24.31%  
-- Flow 2:  
Average throughput: 150.70 Mbit/s  
95th percentile per-packet one-way delay: 111.649 ms  
Loss rate: 37.62%  
-- Flow 3:  
Average throughput: 2.69 Mbit/s  
95th percentile per-packet one-way delay: 91.941 ms  
Loss rate: 43.69%

Run 1: Report of CalibratedKoho — Data Link

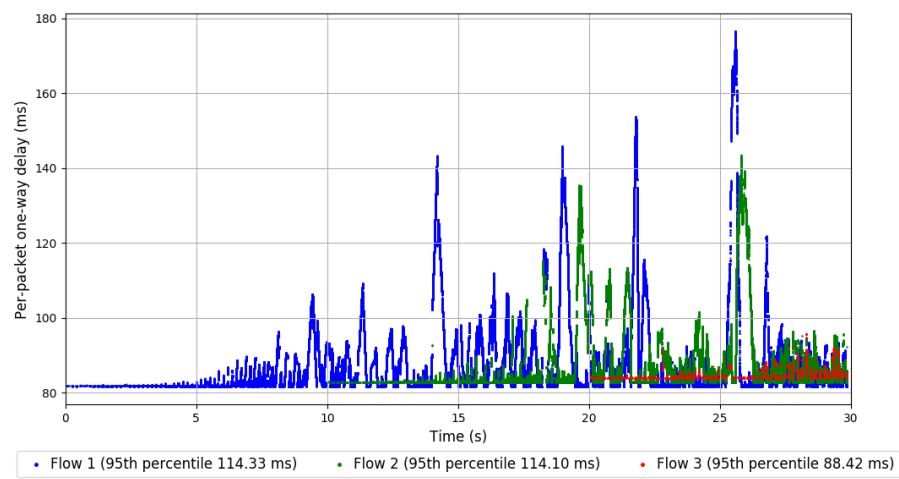
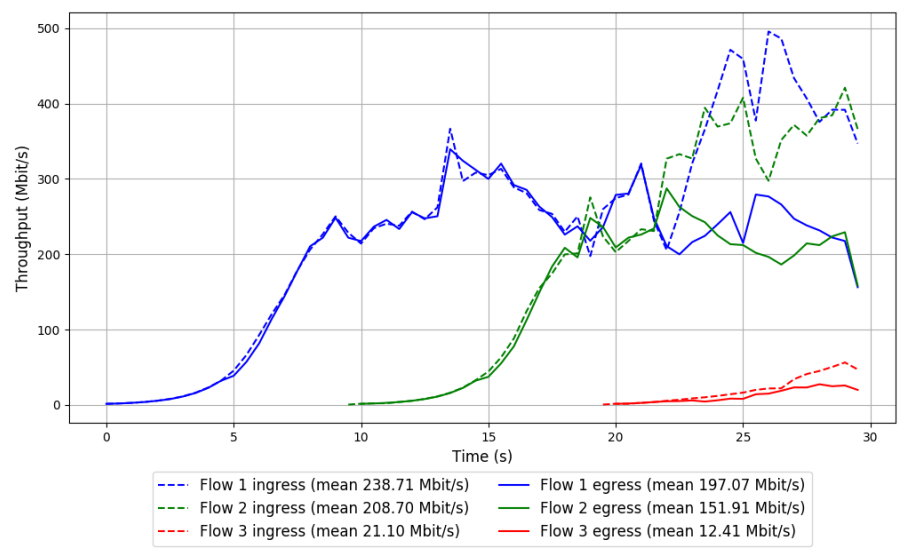


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-07 22:26:00  
End at: 2017-09-07 22:26:30  
Local clock offset: 0.048 ms  
Remote clock offset: -1.263 ms

# Below is generated by plot.py at 2017-09-08 05:48:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 302.13 Mbit/s  
95th percentile per-packet one-way delay: 114.044 ms  
Loss rate: 21.92%  
-- Flow 1:  
Average throughput: 197.07 Mbit/s  
95th percentile per-packet one-way delay: 114.327 ms  
Loss rate: 17.90%  
-- Flow 2:  
Average throughput: 151.91 Mbit/s  
95th percentile per-packet one-way delay: 114.103 ms  
Loss rate: 27.81%  
-- Flow 3:  
Average throughput: 12.41 Mbit/s  
95th percentile per-packet one-way delay: 88.415 ms  
Loss rate: 42.11%

Run 2: Report of CalibratedKoho — Data Link

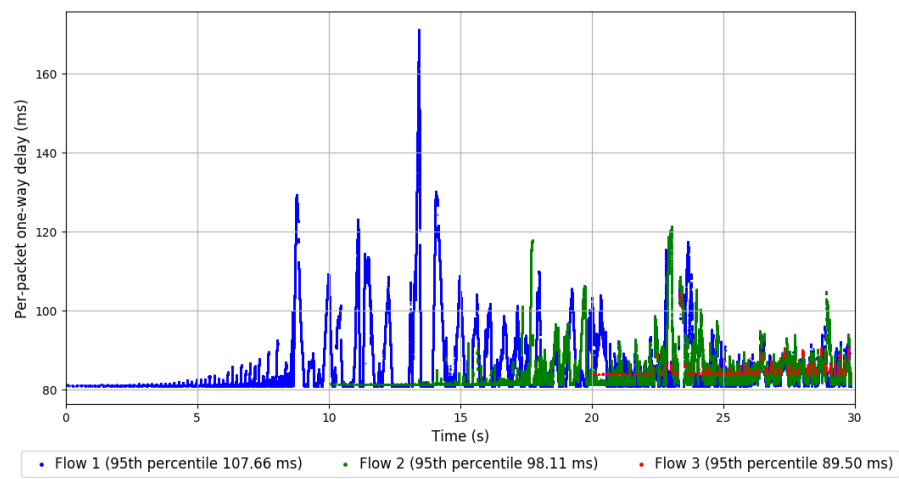
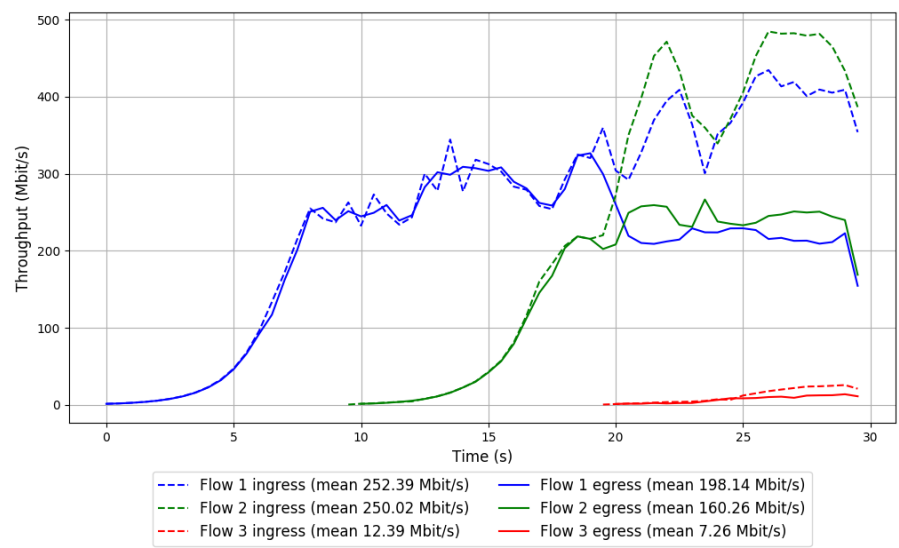


Run 3: Statistics of CalibratedKoho

Start at: 2017-09-07 22:47:38  
End at: 2017-09-07 22:48:08  
Local clock offset: -0.048 ms  
Remote clock offset: -1.214 ms

# Below is generated by plot.py at 2017-09-08 05:49:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 307.04 Mbit/s  
95th percentile per-packet one-way delay: 104.816 ms  
Loss rate: 27.83%  
-- Flow 1:  
Average throughput: 198.14 Mbit/s  
95th percentile per-packet one-way delay: 107.660 ms  
Loss rate: 21.92%  
-- Flow 2:  
Average throughput: 160.26 Mbit/s  
95th percentile per-packet one-way delay: 98.108 ms  
Loss rate: 36.42%  
-- Flow 3:  
Average throughput: 7.26 Mbit/s  
95th percentile per-packet one-way delay: 89.505 ms  
Loss rate: 42.19%

Run 3: Report of CalibratedKoho — Data Link

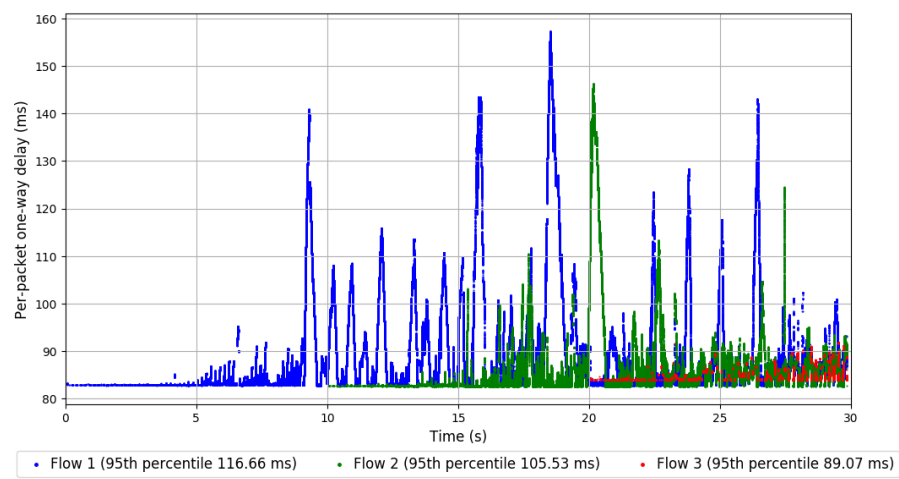
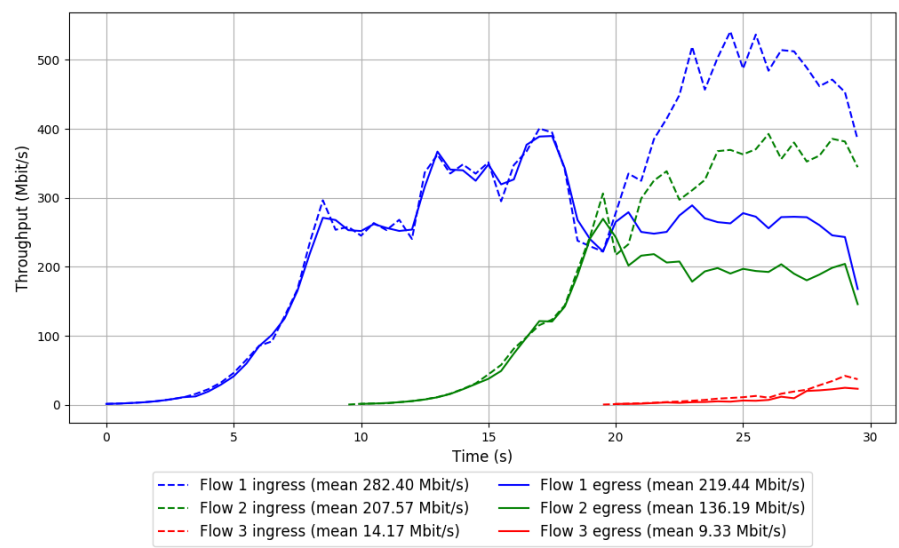


Run 4: Statistics of CalibratedKoho

Start at: 2017-09-07 23:09:15  
End at: 2017-09-07 23:09:45  
Local clock offset: -0.087 ms  
Remote clock offset: -2.189 ms

# Below is generated by plot.py at 2017-09-08 05:49:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 313.05 Mbit/s  
95th percentile per-packet one-way delay: 113.987 ms  
Loss rate: 26.83%  
-- Flow 1:  
Average throughput: 219.44 Mbit/s  
95th percentile per-packet one-way delay: 116.660 ms  
Loss rate: 22.73%  
-- Flow 2:  
Average throughput: 136.19 Mbit/s  
95th percentile per-packet one-way delay: 105.528 ms  
Loss rate: 34.92%  
-- Flow 3:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 89.068 ms  
Loss rate: 35.30%

Run 4: Report of CalibratedKoho — Data Link

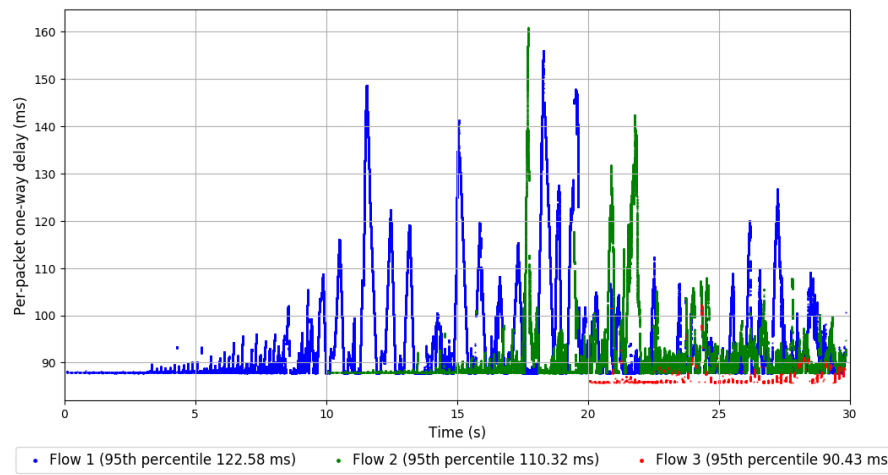
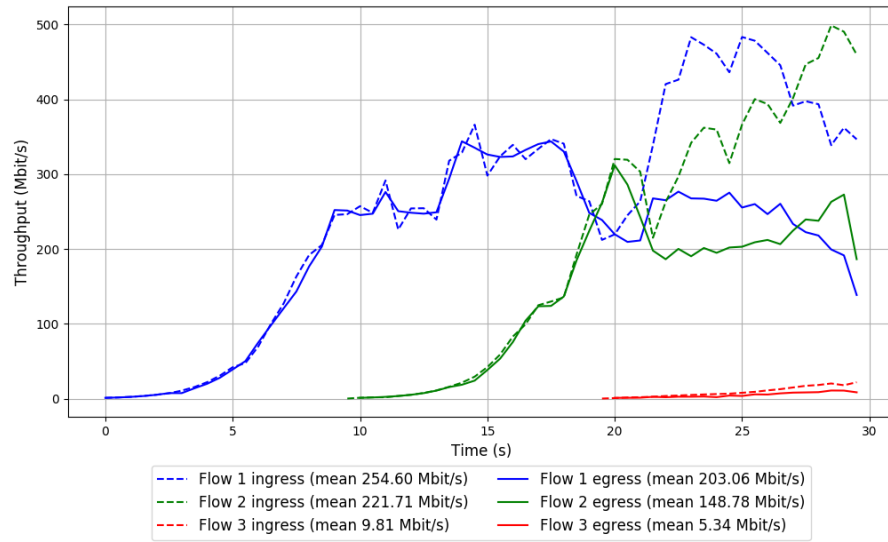


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-07 23:31:16  
End at: 2017-09-07 23:31:46  
Local clock offset: -0.066 ms  
Remote clock offset: -6.351 ms

# Below is generated by plot.py at 2017-09-08 05:49:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 303.72 Mbit/s  
95th percentile per-packet one-way delay: 119.832 ms  
Loss rate: 25.54%  
-- Flow 1:  
Average throughput: 203.06 Mbit/s  
95th percentile per-packet one-way delay: 122.581 ms  
Loss rate: 20.68%  
-- Flow 2:  
Average throughput: 148.78 Mbit/s  
95th percentile per-packet one-way delay: 110.324 ms  
Loss rate: 33.46%  
-- Flow 3:  
Average throughput: 5.34 Mbit/s  
95th percentile per-packet one-way delay: 90.426 ms  
Loss rate: 46.52%

# Run 5: Report of CalibratedKoho — Data Link

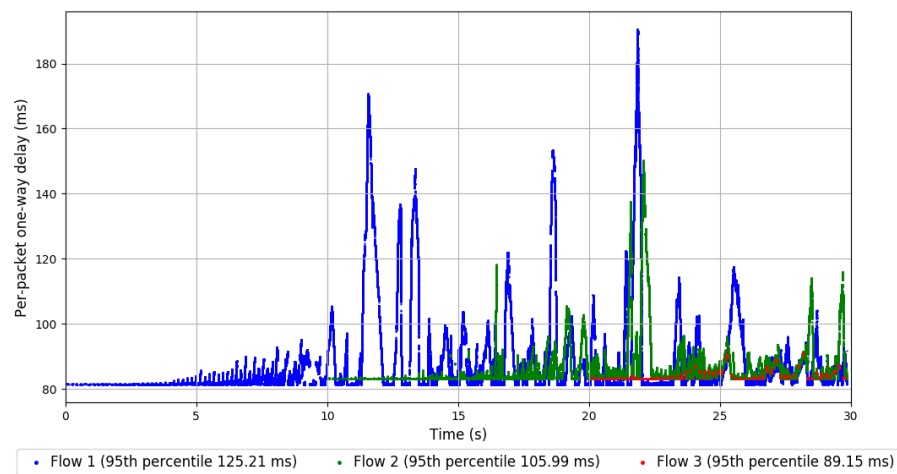
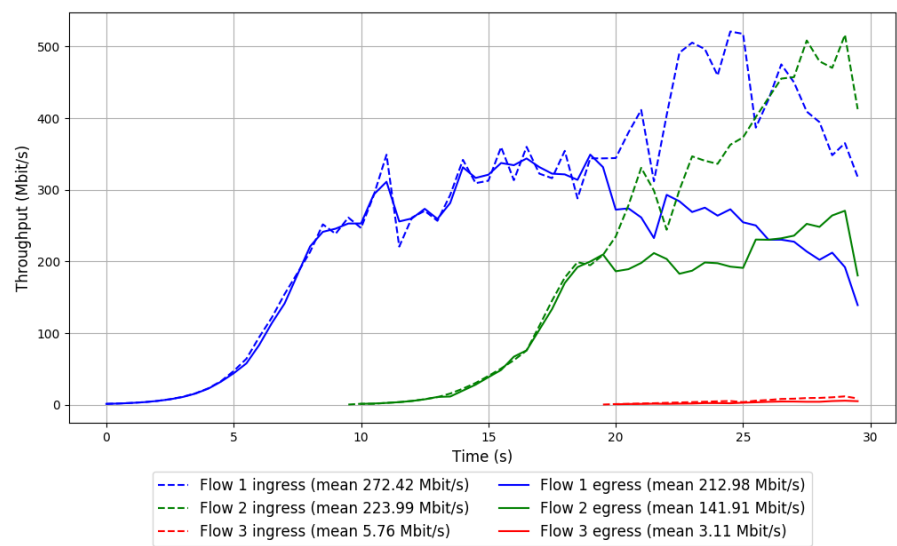


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-07 23:52:54  
End at: 2017-09-07 23:53:24  
Local clock offset: 0.024 ms  
Remote clock offset: -1.768 ms

# Below is generated by plot.py at 2017-09-08 05:50:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 308.34 Mbit/s  
95th percentile per-packet one-way delay: 118.215 ms  
Loss rate: 27.62%  
-- Flow 1:  
Average throughput: 212.98 Mbit/s  
95th percentile per-packet one-way delay: 125.209 ms  
Loss rate: 22.24%  
-- Flow 2:  
Average throughput: 141.91 Mbit/s  
95th percentile per-packet one-way delay: 105.986 ms  
Loss rate: 37.18%  
-- Flow 3:  
Average throughput: 3.11 Mbit/s  
95th percentile per-packet one-way delay: 89.149 ms  
Loss rate: 46.83%

Run 6: Report of CalibratedKoho — Data Link

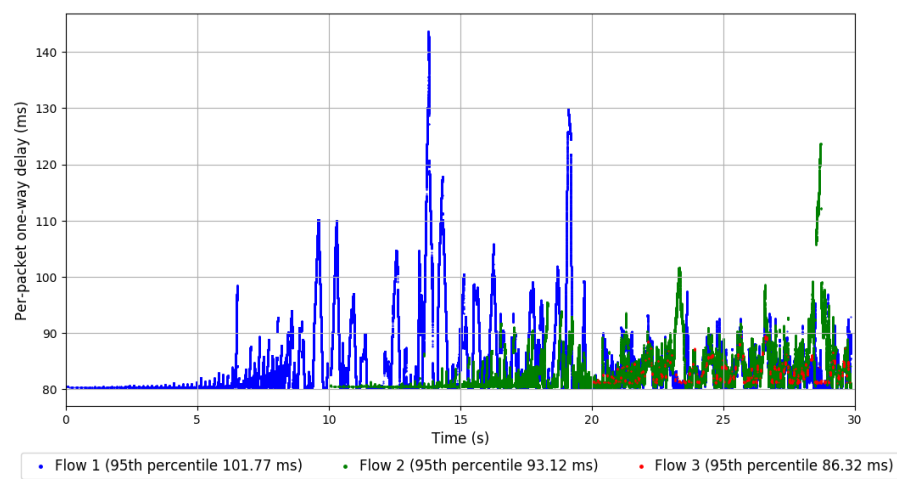
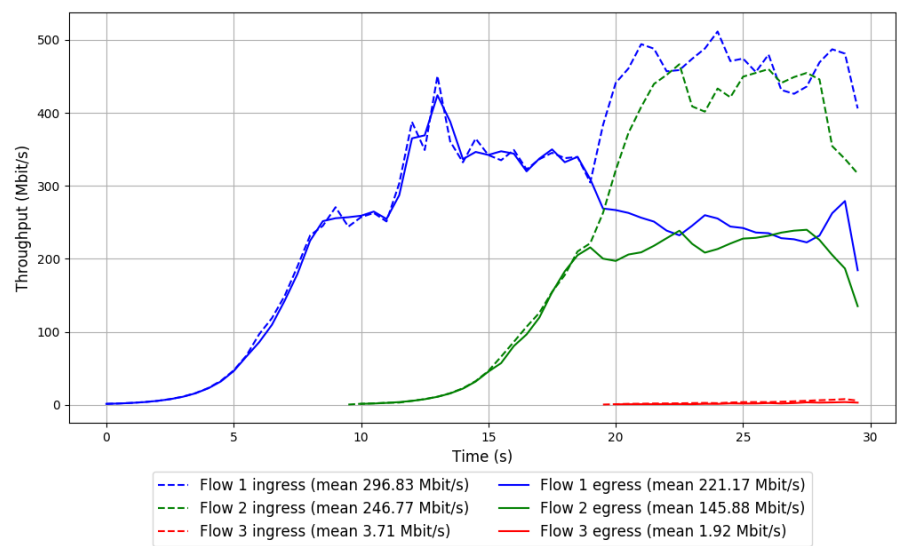


Run 7: Statistics of CalibratedKoho

Start at: 2017-09-08 00:14:30  
End at: 2017-09-08 00:15:00  
Local clock offset: 0.027 ms  
Remote clock offset: -1.161 ms

# Below is generated by plot.py at 2017-09-08 05:50:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 318.78 Mbit/s  
95th percentile per-packet one-way delay: 99.346 ms  
Loss rate: 31.46%  
-- Flow 1:  
Average throughput: 221.17 Mbit/s  
95th percentile per-packet one-way delay: 101.772 ms  
Loss rate: 25.90%  
-- Flow 2:  
Average throughput: 145.88 Mbit/s  
95th percentile per-packet one-way delay: 93.120 ms  
Loss rate: 41.37%  
-- Flow 3:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 86.321 ms  
Loss rate: 48.73%

Run 7: Report of CalibratedKoho — Data Link

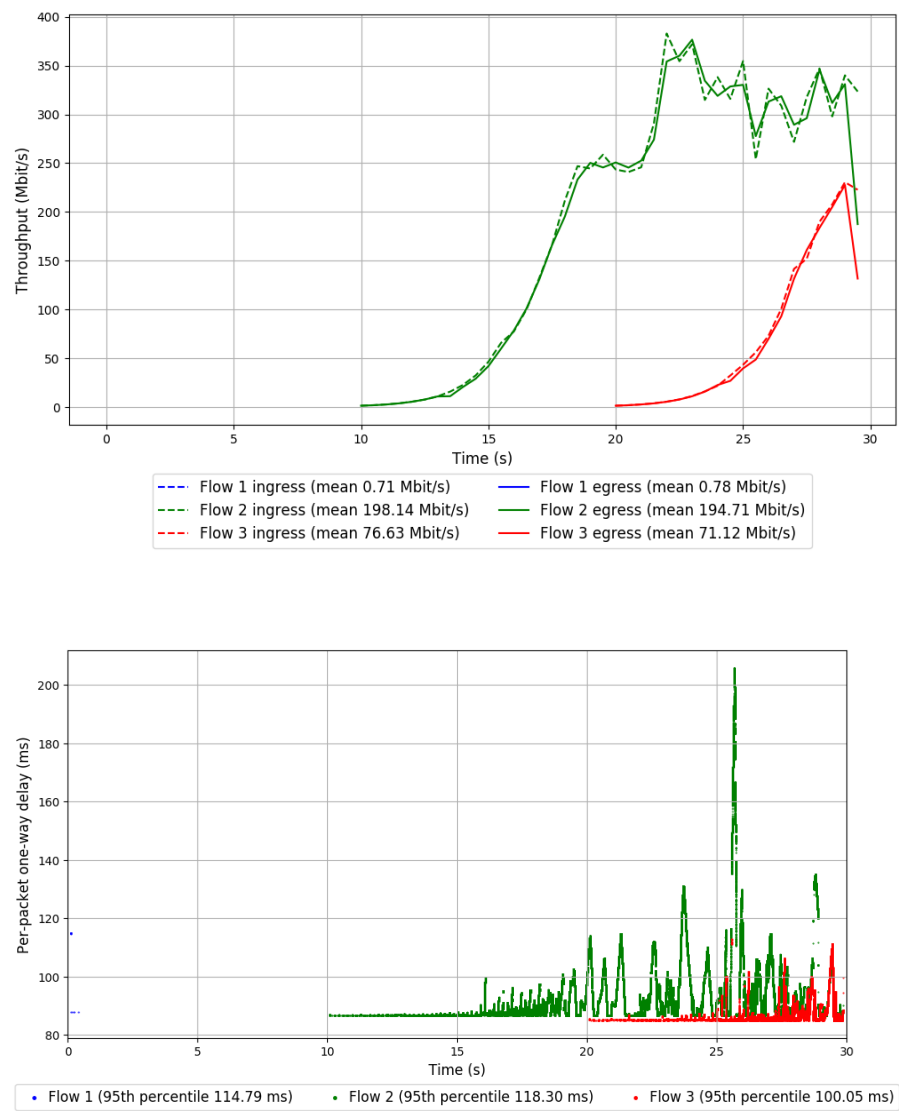


Run 8: Statistics of CalibratedKoho

Start at: 2017-09-08 00:35:46  
End at: 2017-09-08 00:36:16  
Local clock offset: 0.089 ms  
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2017-09-08 05:50:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 152.67 Mbit/s  
95th percentile per-packet one-way delay: 113.918 ms  
Loss rate: 3.55%  
-- Flow 1:  
Average throughput: 0.78 Mbit/s  
95th percentile per-packet one-way delay: 114.787 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 194.71 Mbit/s  
95th percentile per-packet one-way delay: 118.296 ms  
Loss rate: 2.56%  
-- Flow 3:  
Average throughput: 71.12 Mbit/s  
95th percentile per-packet one-way delay: 100.045 ms  
Loss rate: 8.66%

Run 8: Report of CalibratedKoho — Data Link

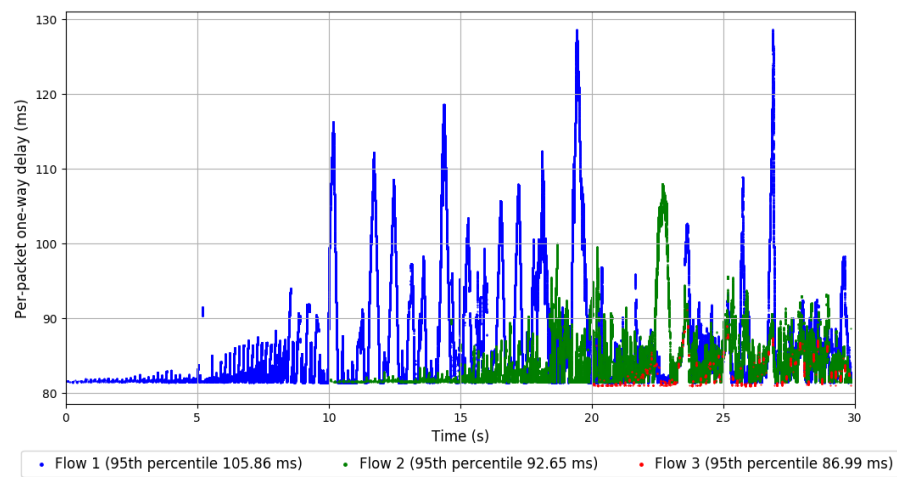
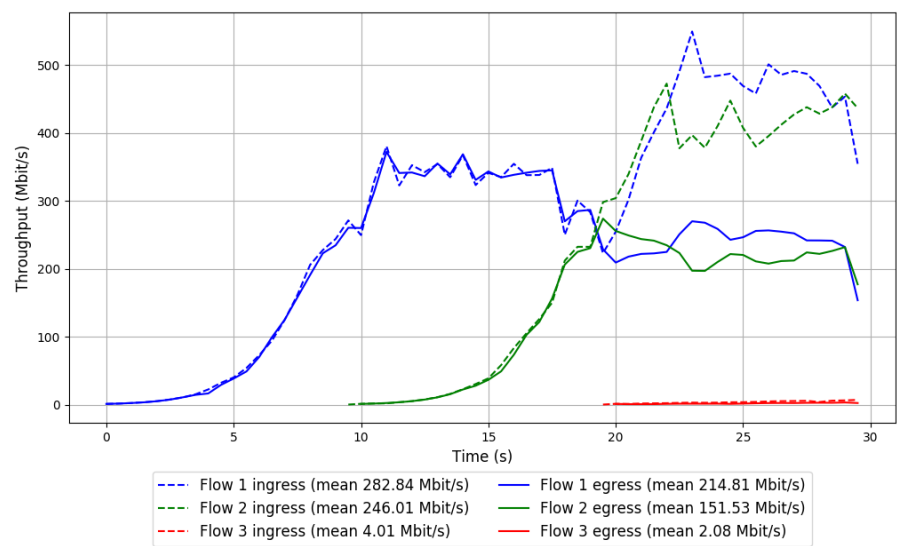


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-08 00:56:58  
End at: 2017-09-08 00:57:28  
Local clock offset: 0.054 ms  
Remote clock offset: -2.698 ms

# Below is generated by plot.py at 2017-09-08 05:51:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 316.21 Mbit/s  
95th percentile per-packet one-way delay: 103.563 ms  
Loss rate: 29.83%  
-- Flow 1:  
Average throughput: 214.81 Mbit/s  
95th percentile per-packet one-way delay: 105.857 ms  
Loss rate: 24.48%  
-- Flow 2:  
Average throughput: 151.53 Mbit/s  
95th percentile per-packet one-way delay: 92.651 ms  
Loss rate: 38.91%  
-- Flow 3:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 86.988 ms  
Loss rate: 49.08%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: 2017-09-08 01:18:39

End at: 2017-09-08 01:19:09

Local clock offset: 0.071 ms

Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2017-09-08 05:51:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 311.73 Mbit/s

95th percentile per-packet one-way delay: 101.626 ms

Loss rate: 32.23%

-- Flow 1:

Average throughput: 209.42 Mbit/s

95th percentile per-packet one-way delay: 104.888 ms

Loss rate: 26.17%

-- Flow 2:

Average throughput: 153.19 Mbit/s

95th percentile per-packet one-way delay: 91.414 ms

Loss rate: 41.93%

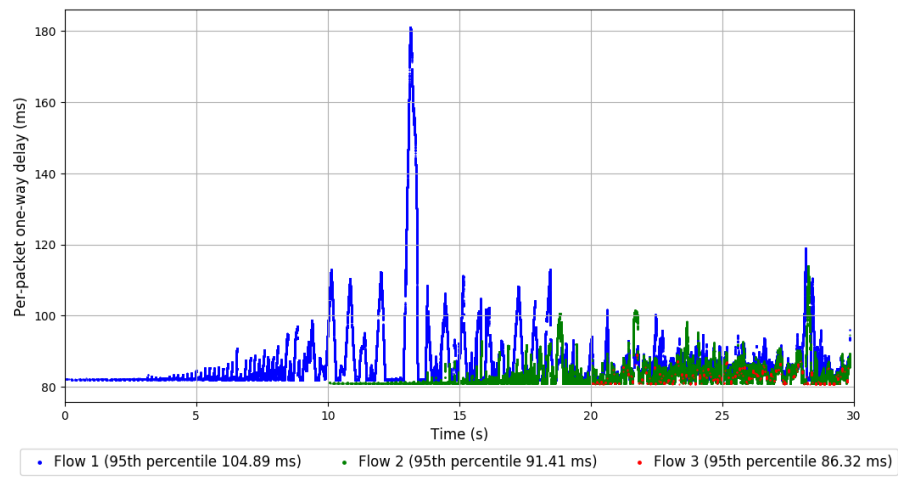
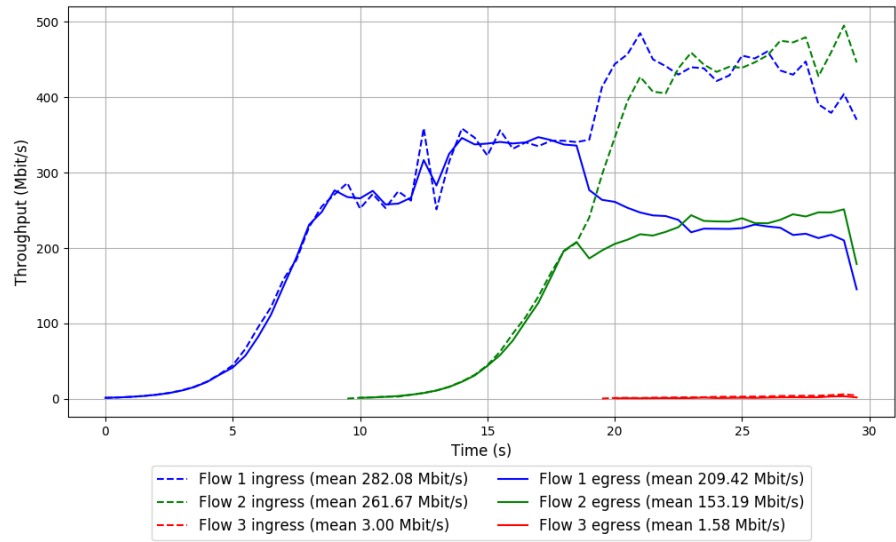
-- Flow 3:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 86.318 ms

Loss rate: 48.67%

# Run 10: Report of CalibratedKoho — Data Link

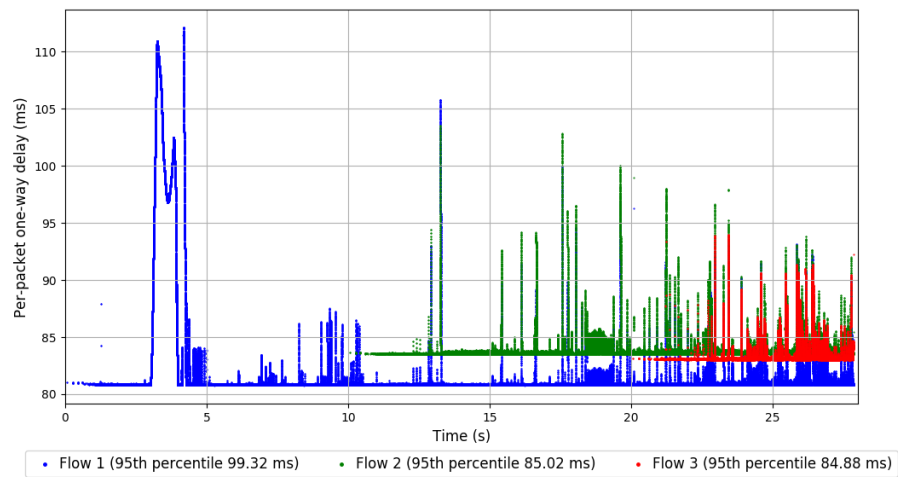
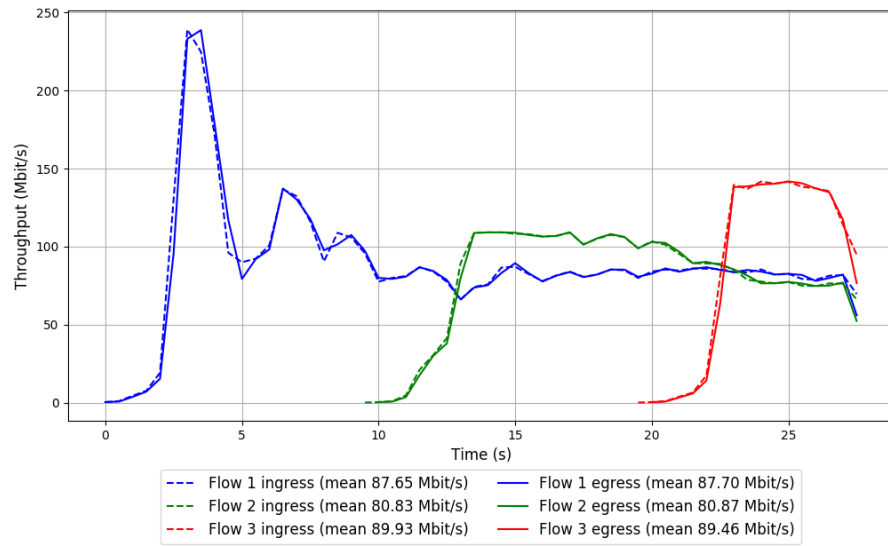


Run 1: Statistics of Copa

Start at: 2017-09-07 21:58:34  
End at: 2017-09-07 21:59:04  
Local clock offset: -0.029 ms  
Remote clock offset: -1.695 ms

# Below is generated by plot.py at 2017-09-08 05:51:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 164.56 Mbit/s  
95th percentile per-packet one-way delay: 91.248 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 87.70 Mbit/s  
95th percentile per-packet one-way delay: 99.317 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 80.87 Mbit/s  
95th percentile per-packet one-way delay: 85.024 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 89.46 Mbit/s  
95th percentile per-packet one-way delay: 84.880 ms  
Loss rate: 2.59%

# Run 1: Report of Copa — Data Link

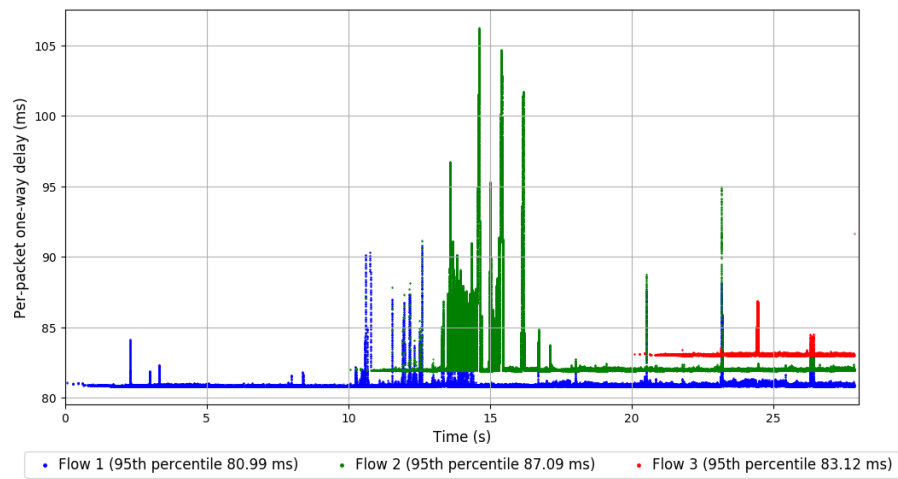
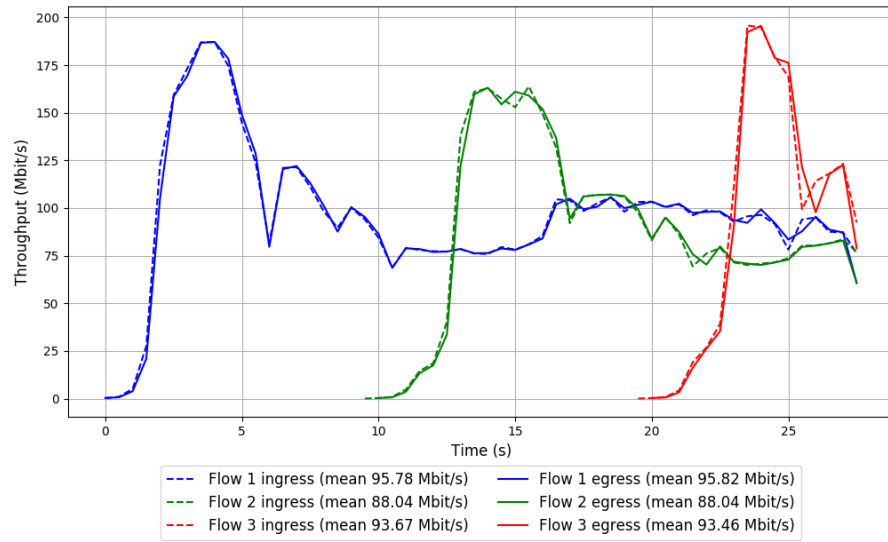


Run 2: Statistics of Copa

Start at: 2017-09-07 22:20:06  
End at: 2017-09-07 22:20:36  
Local clock offset: -0.058 ms  
Remote clock offset: -1.392 ms

# Below is generated by plot.py at 2017-09-08 05:52:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 178.31 Mbit/s  
95th percentile per-packet one-way delay: 83.226 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 95.82 Mbit/s  
95th percentile per-packet one-way delay: 80.989 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 88.04 Mbit/s  
95th percentile per-packet one-way delay: 87.092 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 93.46 Mbit/s  
95th percentile per-packet one-way delay: 83.121 ms  
Loss rate: 2.29%

## Run 2: Report of Copa — Data Link

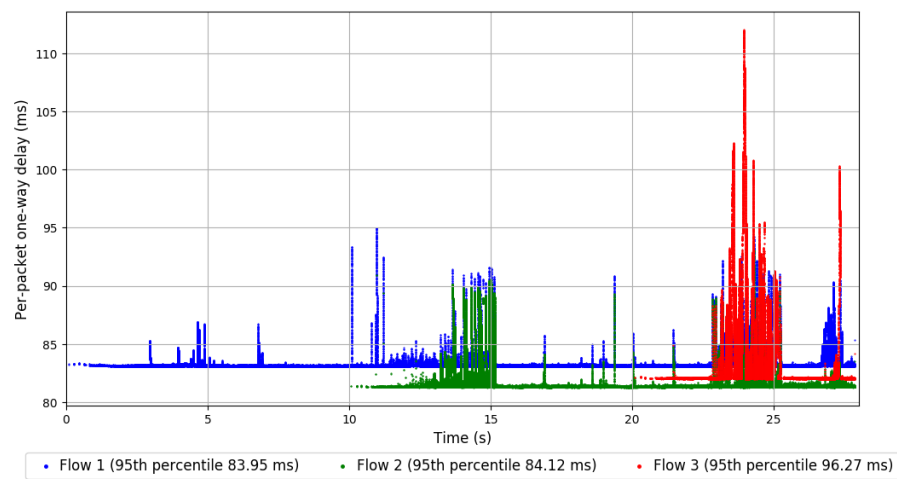
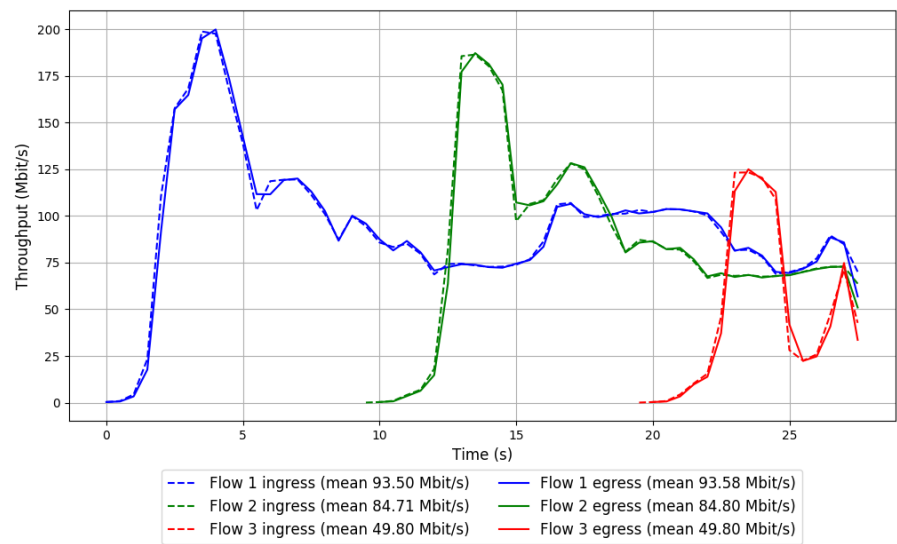


Run 3: Statistics of Copa

Start at: 2017-09-07 22:41:47  
End at: 2017-09-07 22:42:17  
Local clock offset: 0.029 ms  
Remote clock offset: -1.194 ms

# Below is generated by plot.py at 2017-09-08 05:52:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.84 Mbit/s  
95th percentile per-packet one-way delay: 85.296 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 93.58 Mbit/s  
95th percentile per-packet one-way delay: 83.946 ms  
Loss rate: 0.52%  
-- Flow 2:  
Average throughput: 84.80 Mbit/s  
95th percentile per-packet one-way delay: 84.119 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 49.80 Mbit/s  
95th percentile per-packet one-way delay: 96.270 ms  
Loss rate: 2.12%

Run 3: Report of Copa — Data Link

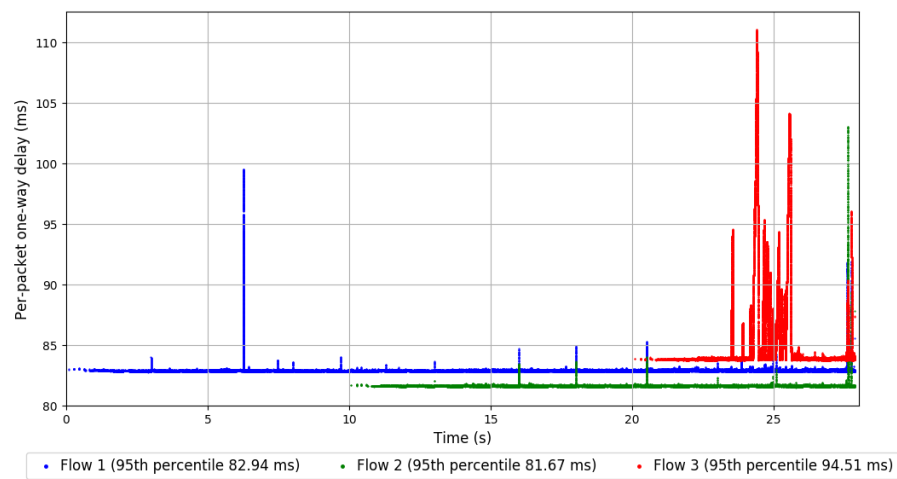
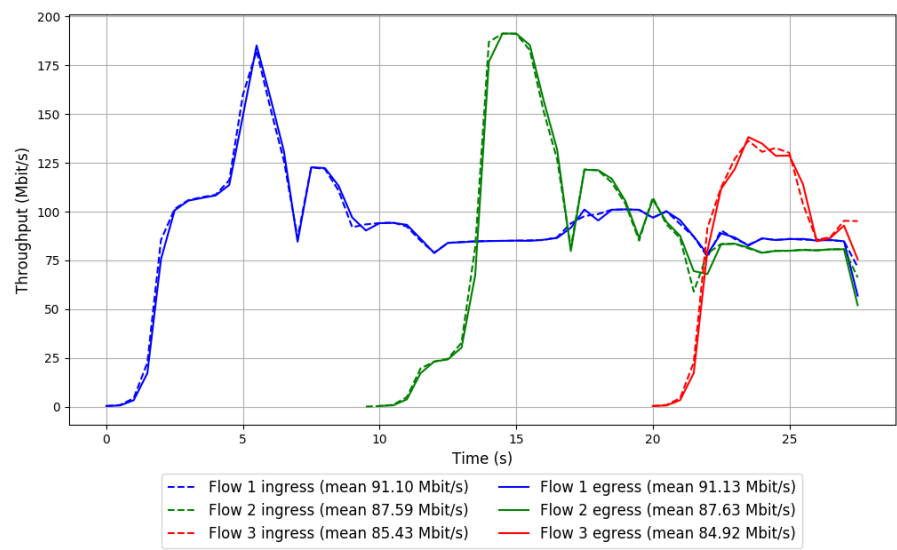


Run 4: Statistics of Copa

Start at: 2017-09-07 23:03:18  
End at: 2017-09-07 23:03:48  
Local clock offset: -0.006 ms  
Remote clock offset: -1.275 ms

# Below is generated by plot.py at 2017-09-08 05:52:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 171.02 Mbit/s  
95th percentile per-packet one-way delay: 83.953 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 91.13 Mbit/s  
95th percentile per-packet one-way delay: 82.938 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 87.63 Mbit/s  
95th percentile per-packet one-way delay: 81.667 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 84.92 Mbit/s  
95th percentile per-packet one-way delay: 94.509 ms  
Loss rate: 2.72%

Run 4: Report of Copa — Data Link

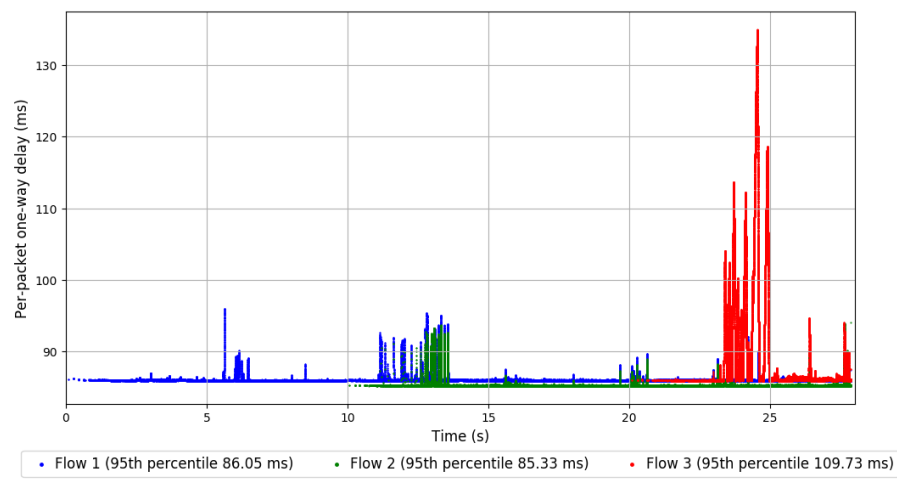
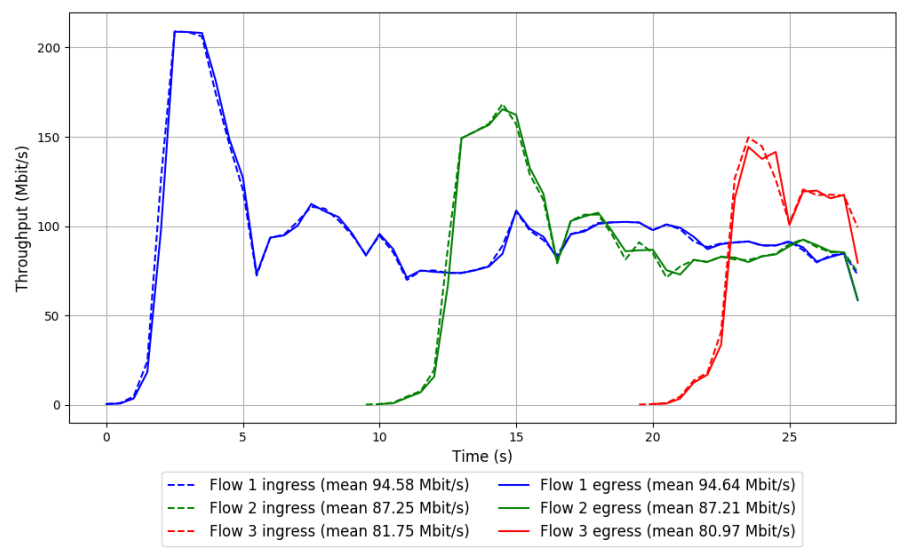


Run 5: Statistics of Copa

Start at: 2017-09-07 23:25:09  
End at: 2017-09-07 23:25:39  
Local clock offset: 0.028 ms  
Remote clock offset: -5.368 ms

# Below is generated by plot.py at 2017-09-08 05:52:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 173.15 Mbit/s  
95th percentile per-packet one-way delay: 87.360 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 94.64 Mbit/s  
95th percentile per-packet one-way delay: 86.046 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 87.21 Mbit/s  
95th percentile per-packet one-way delay: 85.326 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 80.97 Mbit/s  
95th percentile per-packet one-way delay: 109.728 ms  
Loss rate: 3.06%

Run 5: Report of Copa — Data Link

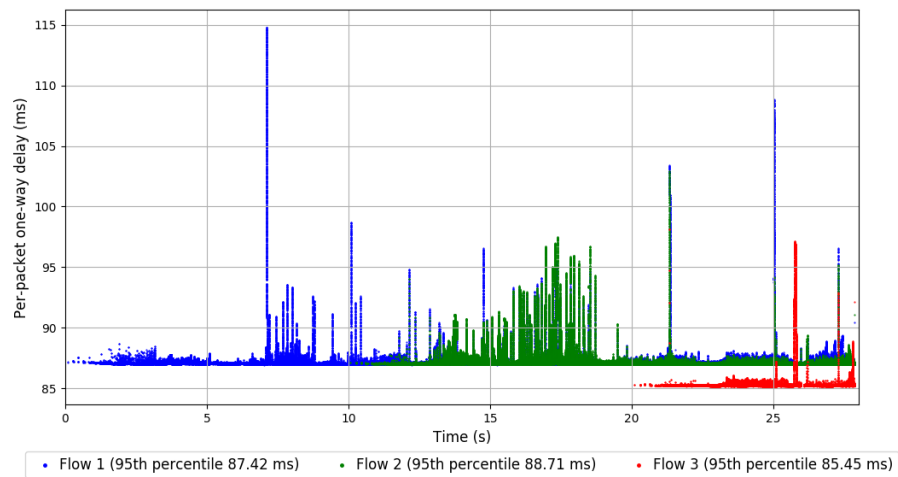
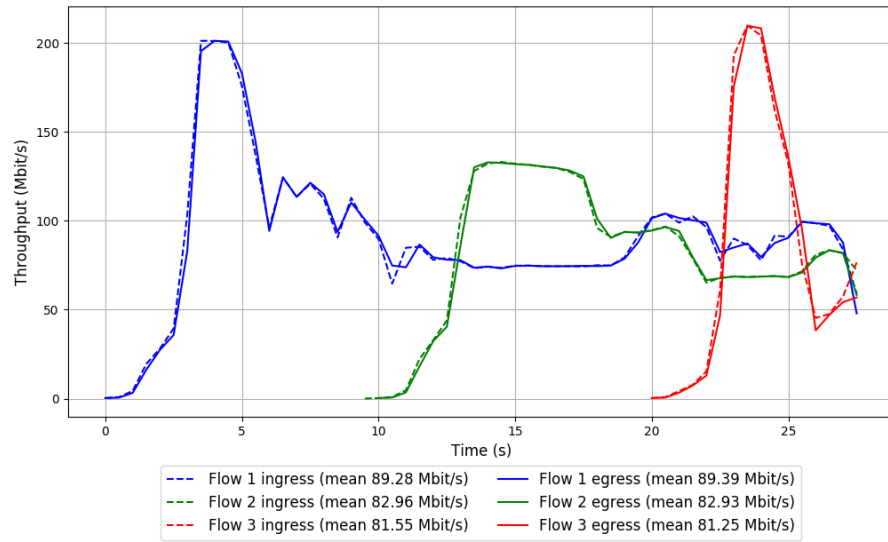


Run 6: Statistics of Copa

Start at: 2017-09-07 23:46:58  
End at: 2017-09-07 23:47:28  
Local clock offset: 0.03 ms  
Remote clock offset: -5.617 ms

# Below is generated by plot.py at 2017-09-08 05:53:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.21 Mbit/s  
95th percentile per-packet one-way delay: 87.583 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 89.39 Mbit/s  
95th percentile per-packet one-way delay: 87.421 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 82.93 Mbit/s  
95th percentile per-packet one-way delay: 88.712 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 81.25 Mbit/s  
95th percentile per-packet one-way delay: 85.450 ms  
Loss rate: 2.42%

## Run 6: Report of Copa — Data Link

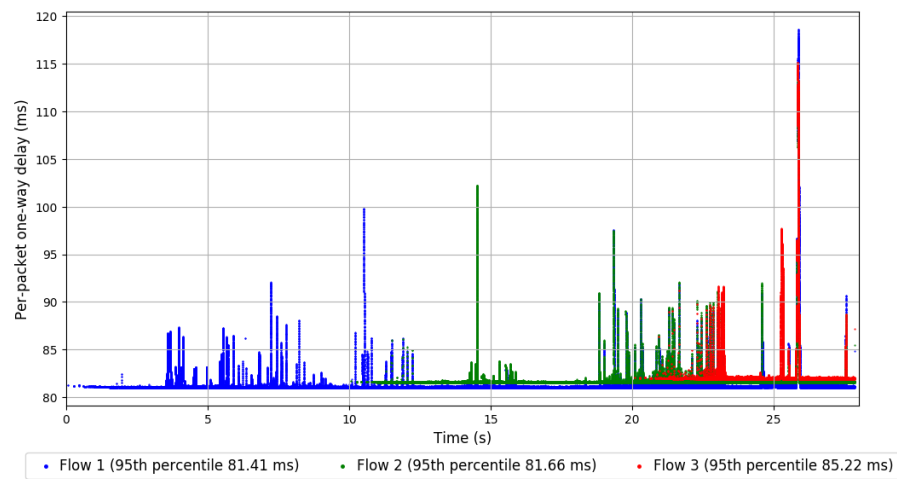
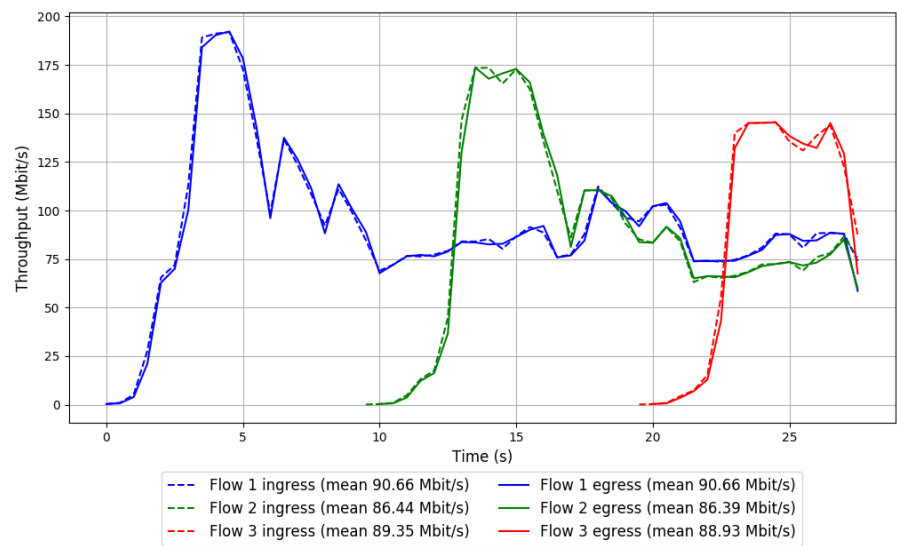


Run 7: Statistics of Copa

Start at: 2017-09-08 00:08:38  
End at: 2017-09-08 00:09:08  
Local clock offset: -0.057 ms  
Remote clock offset: -1.944 ms

# Below is generated by plot.py at 2017-09-08 05:53:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 170.90 Mbit/s  
95th percentile per-packet one-way delay: 82.040 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 90.66 Mbit/s  
95th percentile per-packet one-way delay: 81.408 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 86.39 Mbit/s  
95th percentile per-packet one-way delay: 81.663 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 88.93 Mbit/s  
95th percentile per-packet one-way delay: 85.217 ms  
Loss rate: 2.54%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-09-08 00:29:56

End at: 2017-09-08 00:30:26

Local clock offset: 0.044 ms

Remote clock offset: -7.11 ms

# Below is generated by plot.py at 2017-09-08 05:53:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 168.66 Mbit/s

95th percentile per-packet one-way delay: 88.088 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 86.698 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 83.10 Mbit/s

95th percentile per-packet one-way delay: 88.642 ms

Loss rate: 1.04%

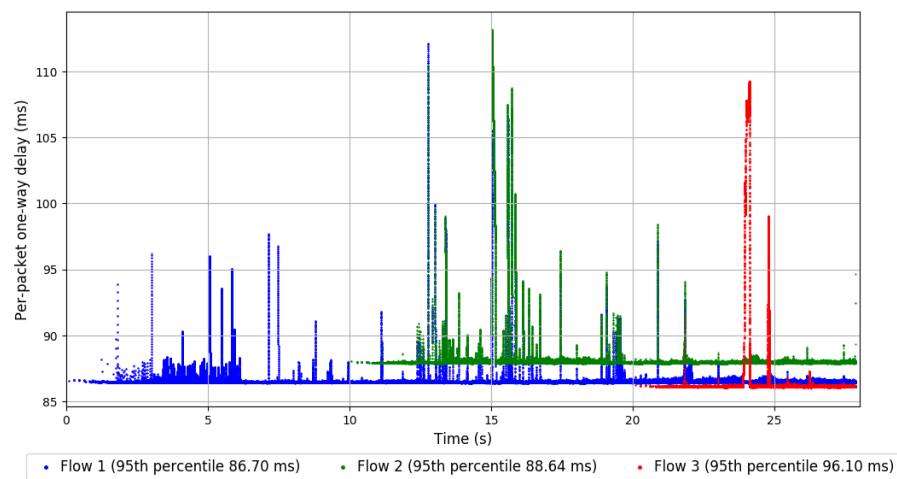
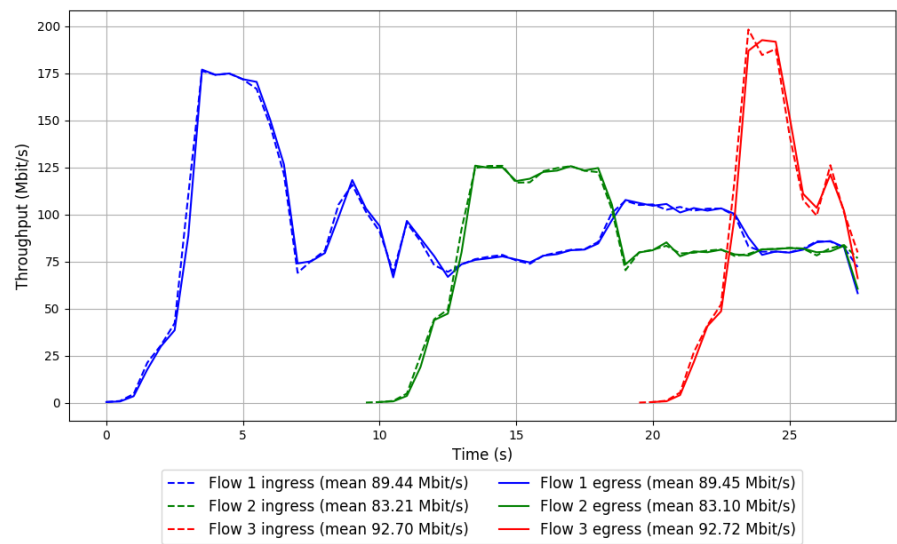
-- Flow 3:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 96.100 ms

Loss rate: 2.08%

Run 8: Report of Copa — Data Link

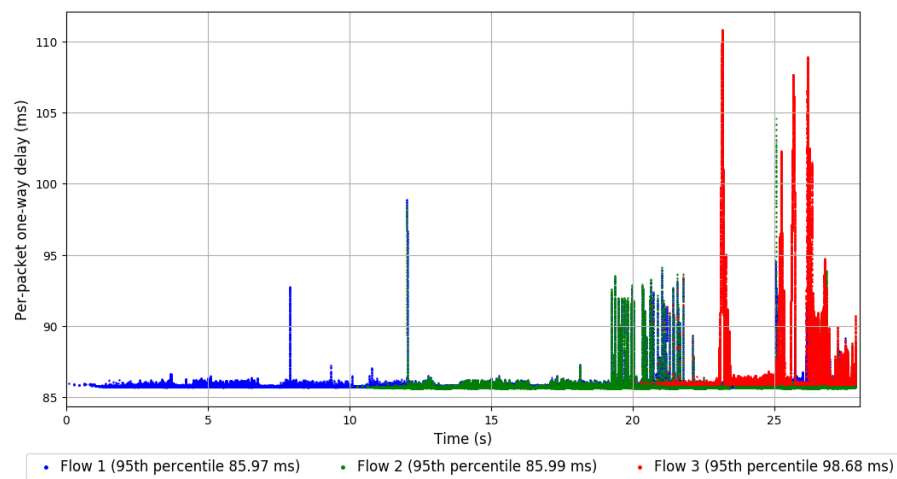
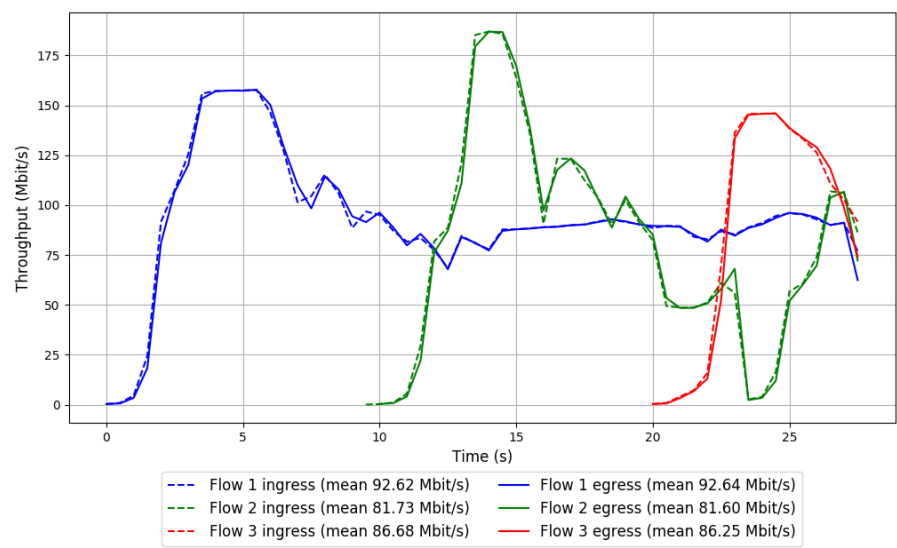


Run 9: Statistics of Copa

Start at: 2017-09-08 00:51:06  
End at: 2017-09-08 00:51:36  
Local clock offset: -0.015 ms  
Remote clock offset: -7.469 ms

# Below is generated by plot.py at 2017-09-08 05:54:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 169.01 Mbit/s  
95th percentile per-packet one-way delay: 87.311 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 92.64 Mbit/s  
95th percentile per-packet one-way delay: 85.975 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 81.60 Mbit/s  
95th percentile per-packet one-way delay: 85.987 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 86.25 Mbit/s  
95th percentile per-packet one-way delay: 98.680 ms  
Loss rate: 2.61%

Run 9: Report of Copa — Data Link

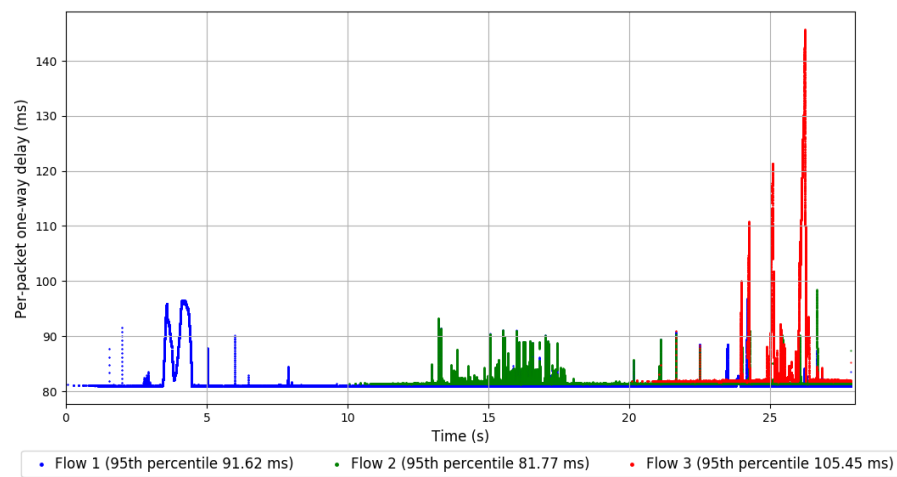
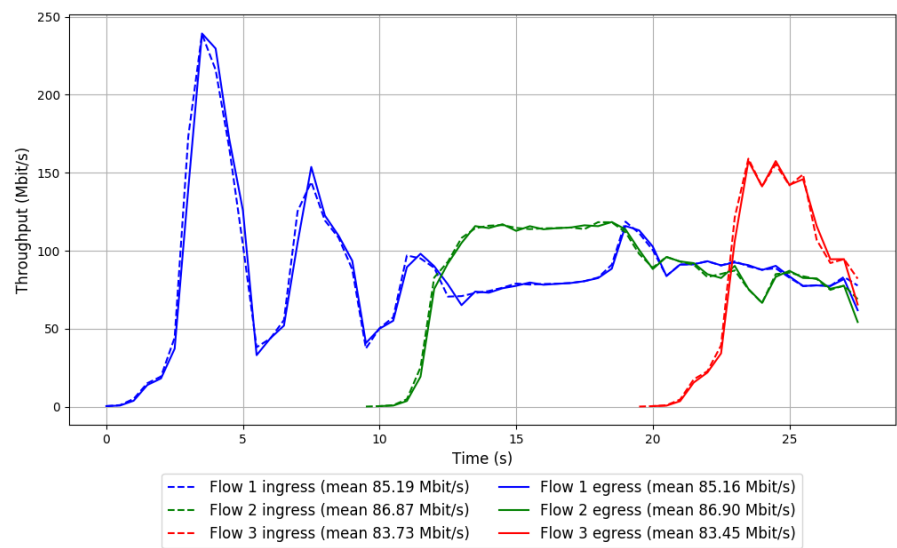


Run 10: Statistics of Copa

Start at: 2017-09-08 01:12:44  
End at: 2017-09-08 01:13:14  
Local clock offset: 0.036 ms  
Remote clock offset: -2.822 ms

# Below is generated by plot.py at 2017-09-08 05:54:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 164.14 Mbit/s  
95th percentile per-packet one-way delay: 89.077 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 85.16 Mbit/s  
95th percentile per-packet one-way delay: 91.623 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 86.90 Mbit/s  
95th percentile per-packet one-way delay: 81.774 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 83.45 Mbit/s  
95th percentile per-packet one-way delay: 105.454 ms  
Loss rate: 2.41%

Run 10: Report of Copa — Data Link

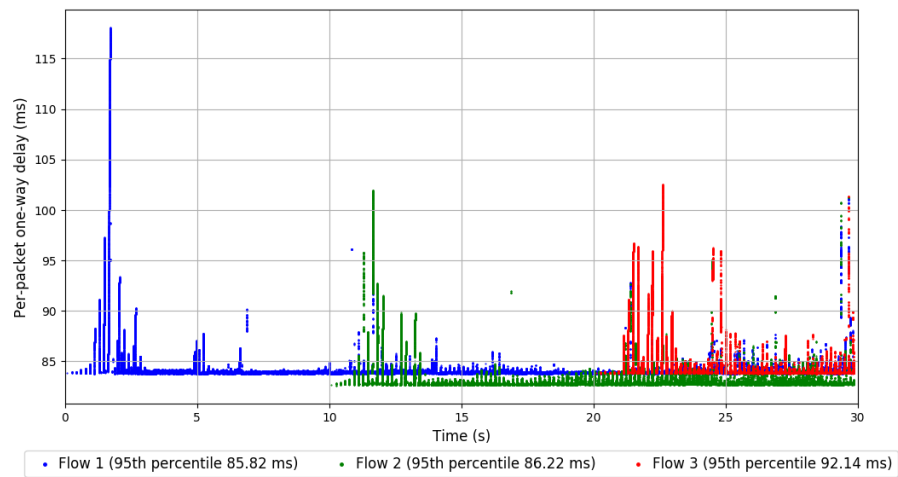
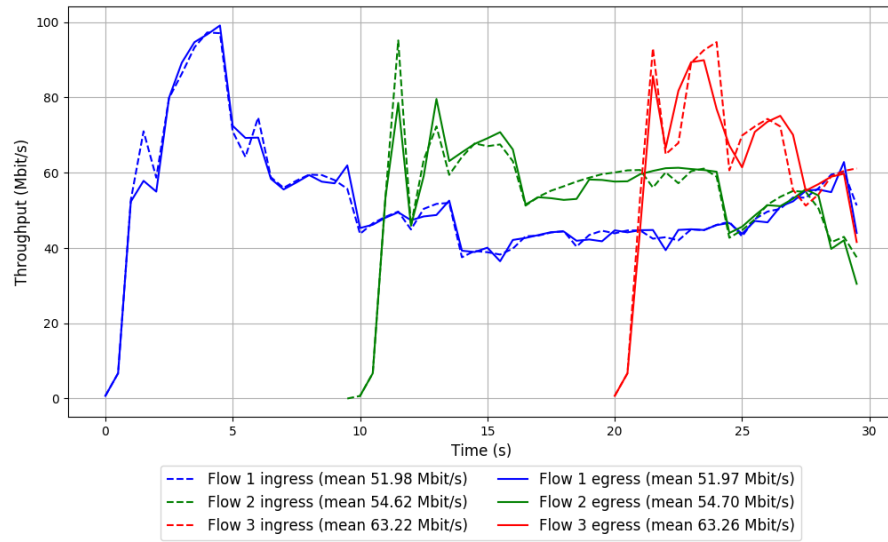


Run 1: Statistics of TCP Cubic

Start at: 2017-09-07 21:51:38  
End at: 2017-09-07 21:52:08  
Local clock offset: 0.067 ms  
Remote clock offset: -1.793 ms

# Below is generated by plot.py at 2017-09-08 05:54:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 109.02 Mbit/s  
95th percentile per-packet one-way delay: 87.296 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 51.97 Mbit/s  
95th percentile per-packet one-way delay: 85.821 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 54.70 Mbit/s  
95th percentile per-packet one-way delay: 86.217 ms  
Loss rate: 0.69%  
-- Flow 3:  
Average throughput: 63.26 Mbit/s  
95th percentile per-packet one-way delay: 92.137 ms  
Loss rate: 1.66%

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

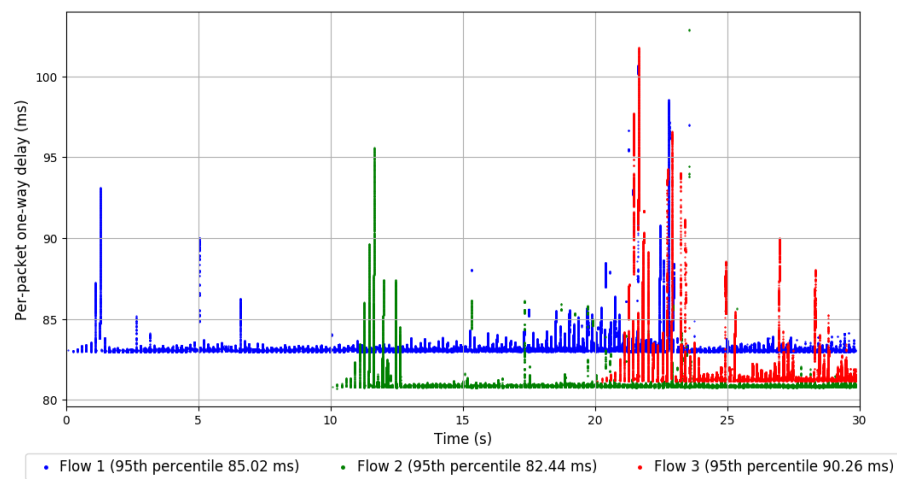
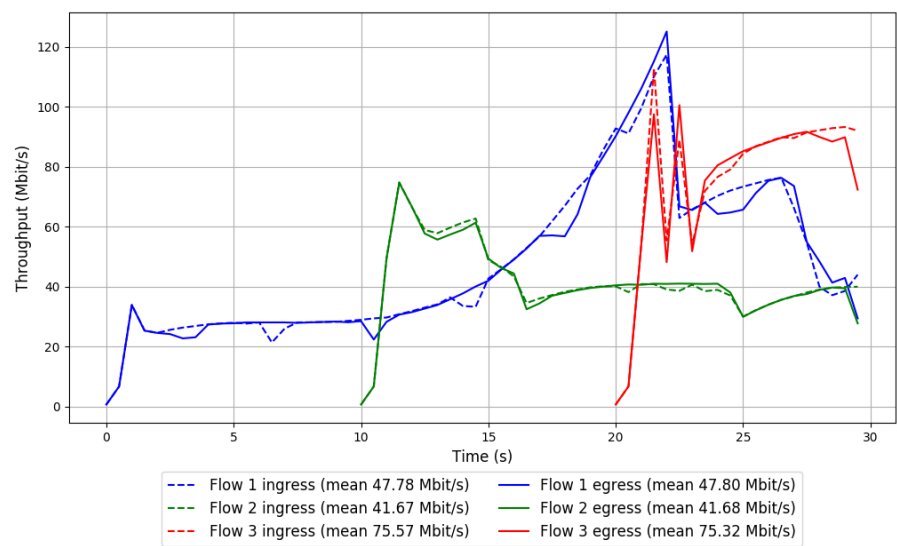


Run 2: Statistics of TCP Cubic

Start at: 2017-09-07 22:13:12  
End at: 2017-09-07 22:13:42  
Local clock offset: -0.045 ms  
Remote clock offset: -1.482 ms

# Below is generated by plot.py at 2017-09-08 05:54:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.15 Mbit/s  
95th percentile per-packet one-way delay: 85.544 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 47.80 Mbit/s  
95th percentile per-packet one-way delay: 85.023 ms  
Loss rate: 0.52%  
-- Flow 2:  
Average throughput: 41.68 Mbit/s  
95th percentile per-packet one-way delay: 82.435 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 75.32 Mbit/s  
95th percentile per-packet one-way delay: 90.257 ms  
Loss rate: 2.00%

Run 2: Report of TCP Cubic — Data Link

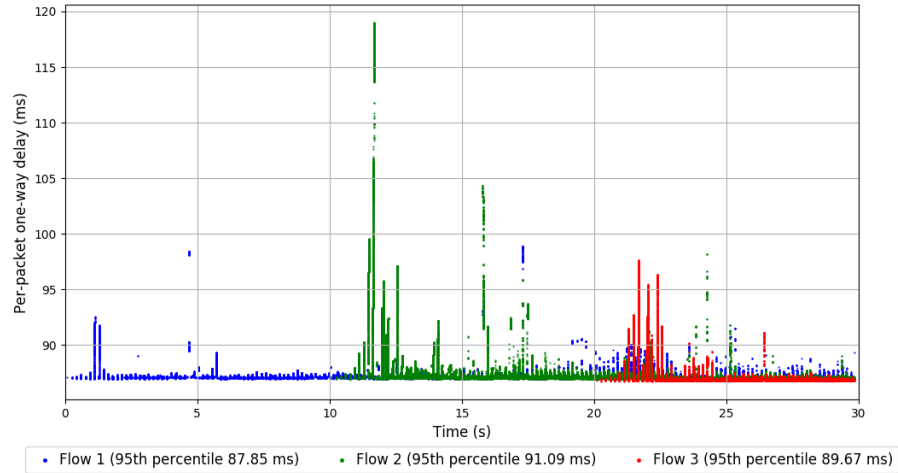
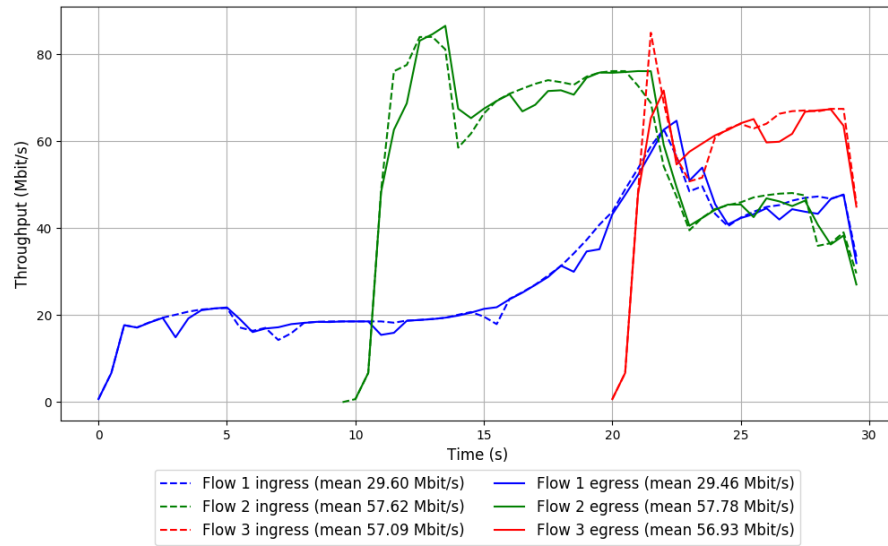


Run 3: Statistics of TCP Cubic

Start at: 2017-09-07 22:34:49  
End at: 2017-09-07 22:35:19  
Local clock offset: -0.032 ms  
Remote clock offset: -5.134 ms

# Below is generated by plot.py at 2017-09-08 05:54:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.42 Mbit/s  
95th percentile per-packet one-way delay: 89.280 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 29.46 Mbit/s  
95th percentile per-packet one-way delay: 87.846 ms  
Loss rate: 0.90%  
-- Flow 2:  
Average throughput: 57.78 Mbit/s  
95th percentile per-packet one-way delay: 91.087 ms  
Loss rate: 0.58%  
-- Flow 3:  
Average throughput: 56.93 Mbit/s  
95th percentile per-packet one-way delay: 89.669 ms  
Loss rate: 1.99%

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

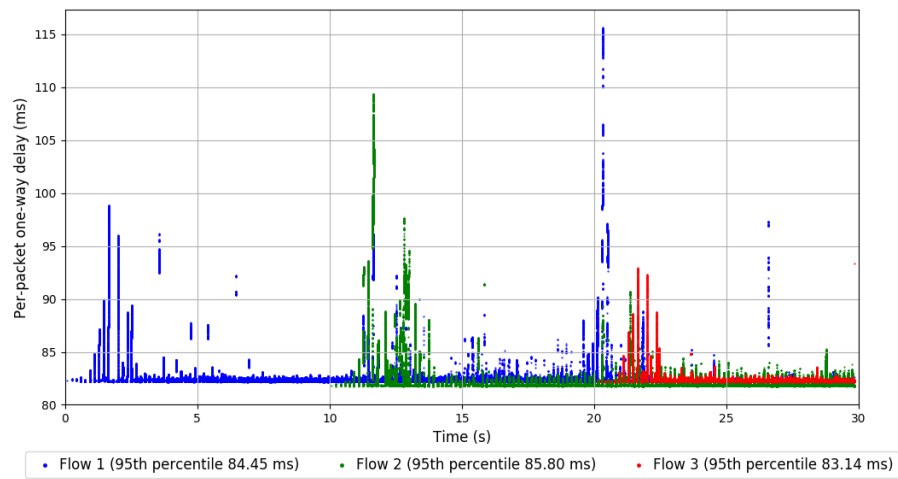
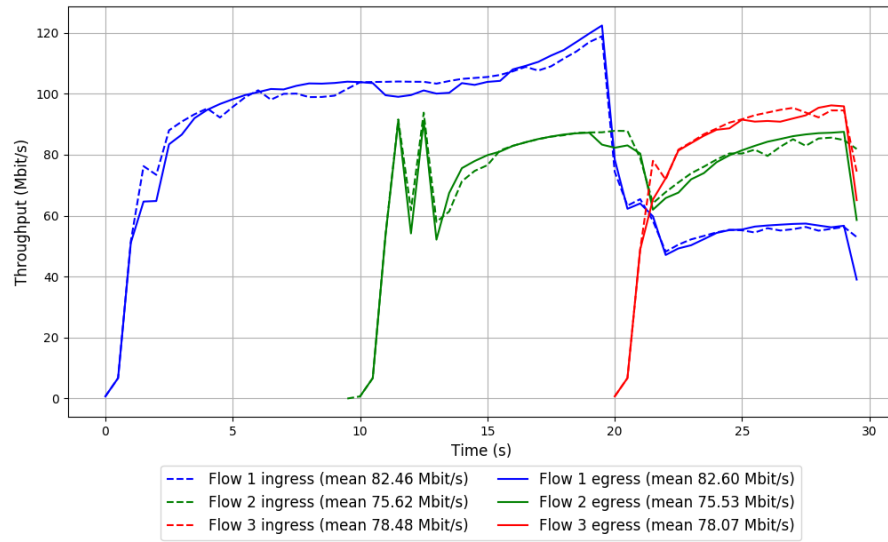


Run 4: Statistics of TCP Cubic

Start at: 2017-09-07 22:56:26  
End at: 2017-09-07 22:56:56  
Local clock offset: 0.0 ms  
Remote clock offset: -2.163 ms

# Below is generated by plot.py at 2017-09-08 05:55:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 158.28 Mbit/s  
95th percentile per-packet one-way delay: 84.619 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 82.60 Mbit/s  
95th percentile per-packet one-way delay: 84.455 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 75.53 Mbit/s  
95th percentile per-packet one-way delay: 85.799 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 78.07 Mbit/s  
95th percentile per-packet one-way delay: 83.138 ms  
Loss rate: 2.07%

# Run 4: Report of TCP Cubic — Data Link

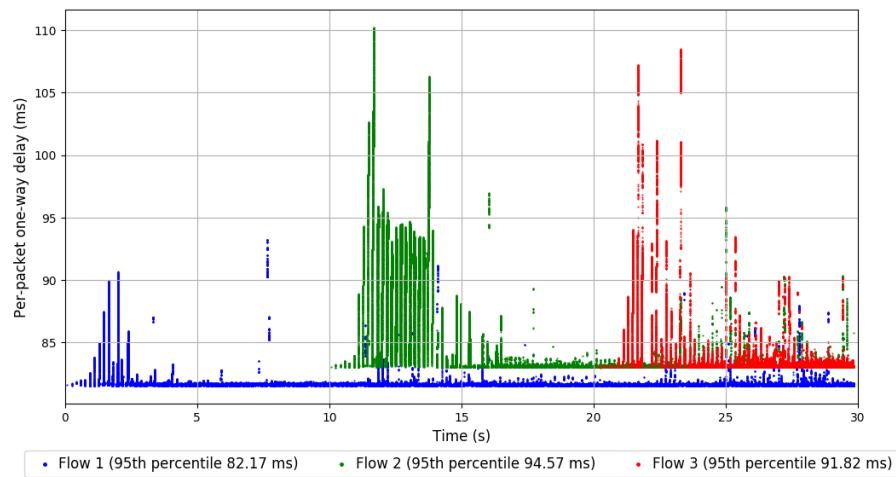
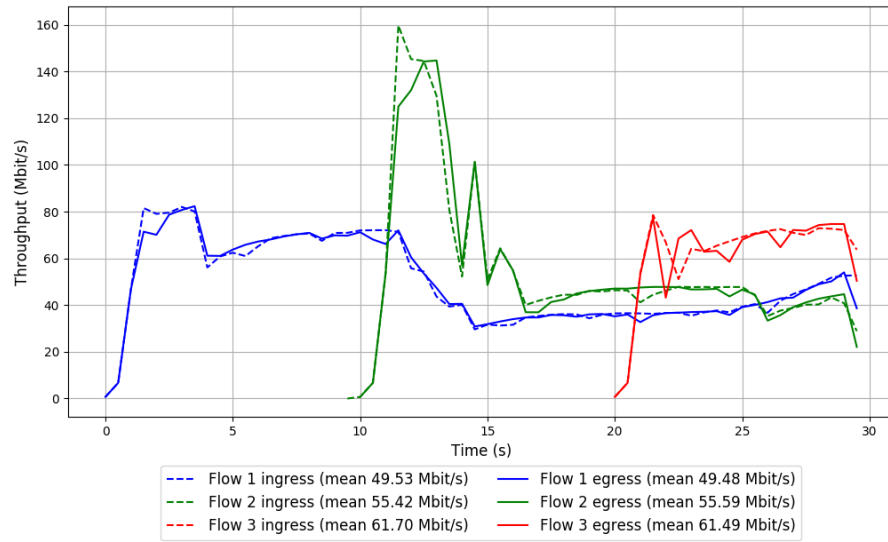


Run 5: Statistics of TCP Cubic

Start at: 2017-09-07 23:18:12  
End at: 2017-09-07 23:18:42  
Local clock offset: -0.013 ms  
Remote clock offset: -1.365 ms

# Below is generated by plot.py at 2017-09-08 05:55:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 106.52 Mbit/s  
95th percentile per-packet one-way delay: 92.523 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 49.48 Mbit/s  
95th percentile per-packet one-way delay: 82.168 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 55.59 Mbit/s  
95th percentile per-packet one-way delay: 94.574 ms  
Loss rate: 0.50%  
-- Flow 3:  
Average throughput: 61.49 Mbit/s  
95th percentile per-packet one-way delay: 91.819 ms  
Loss rate: 2.05%

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

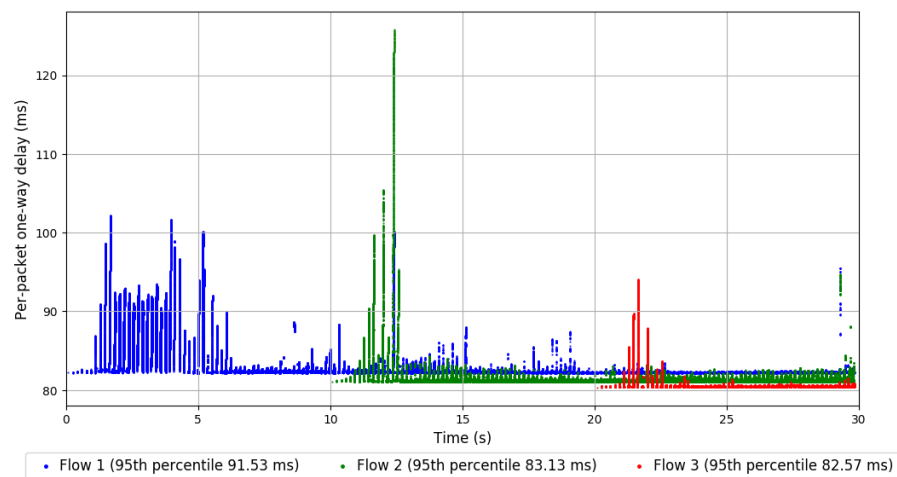
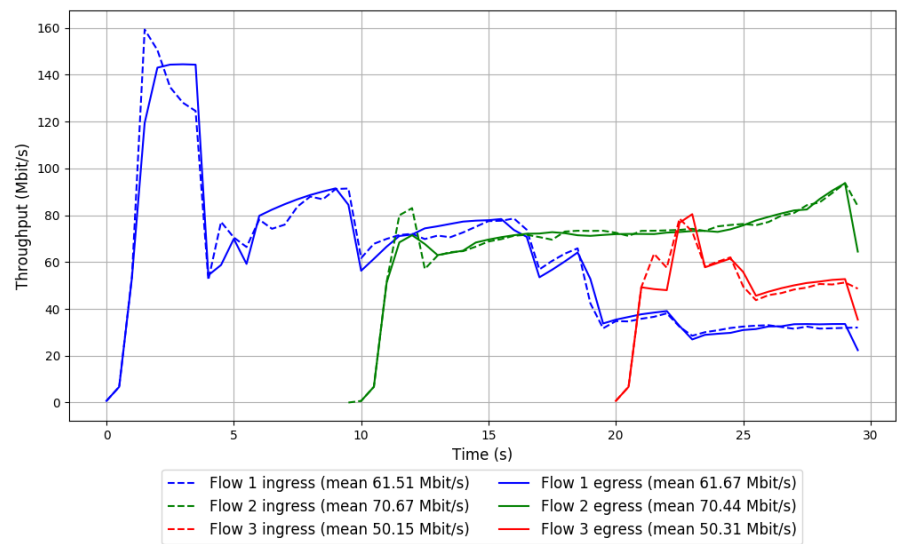


Run 6: Statistics of TCP Cubic

Start at: 2017-09-07 23:40:02  
End at: 2017-09-07 23:40:32  
Local clock offset: -0.006 ms  
Remote clock offset: -0.757 ms

# Below is generated by plot.py at 2017-09-08 05:55:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 124.89 Mbit/s  
95th percentile per-packet one-way delay: 90.525 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 61.67 Mbit/s  
95th percentile per-packet one-way delay: 91.526 ms  
Loss rate: 0.31%  
-- Flow 2:  
Average throughput: 70.44 Mbit/s  
95th percentile per-packet one-way delay: 83.130 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 50.31 Mbit/s  
95th percentile per-packet one-way delay: 82.571 ms  
Loss rate: 1.38%

Run 6: Report of TCP Cubic — Data Link

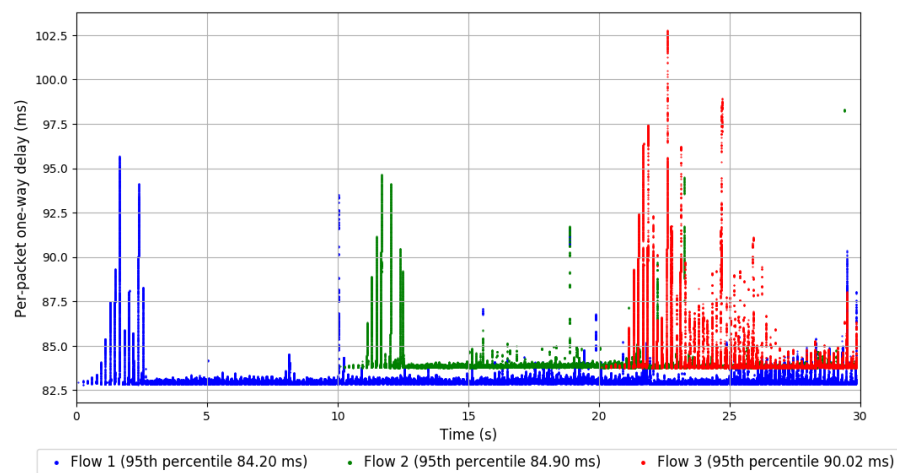
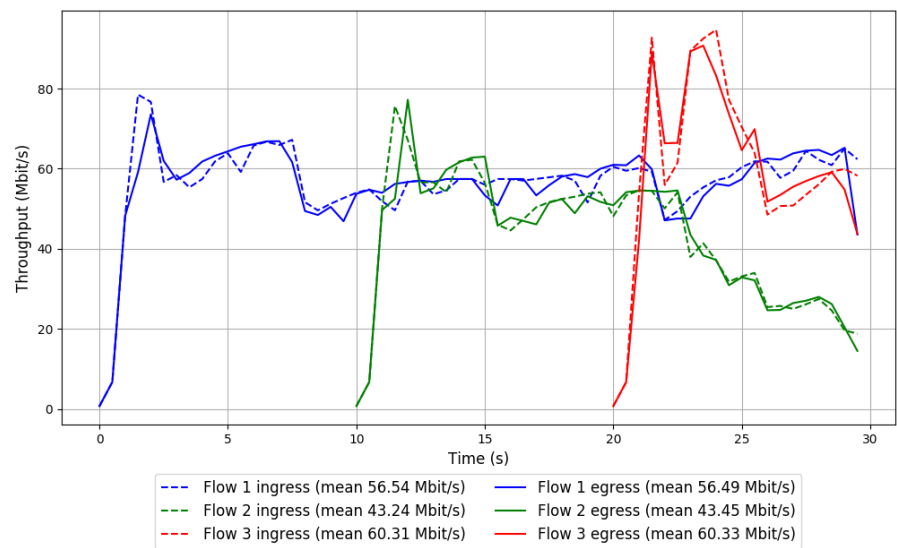


Run 7: Statistics of TCP Cubic

Start at: 2017-09-08 00:01:44  
End at: 2017-09-08 00:02:14  
Local clock offset: 0.001 ms  
Remote clock offset: -1.84 ms

# Below is generated by plot.py at 2017-09-08 05:55:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 105.06 Mbit/s  
95th percentile per-packet one-way delay: 85.926 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 56.49 Mbit/s  
95th percentile per-packet one-way delay: 84.203 ms  
Loss rate: 0.65%  
-- Flow 2:  
Average throughput: 43.45 Mbit/s  
95th percentile per-packet one-way delay: 84.903 ms  
Loss rate: 0.43%  
-- Flow 3:  
Average throughput: 60.33 Mbit/s  
95th percentile per-packet one-way delay: 90.017 ms  
Loss rate: 1.70%

Run 7: Report of TCP Cubic — Data Link

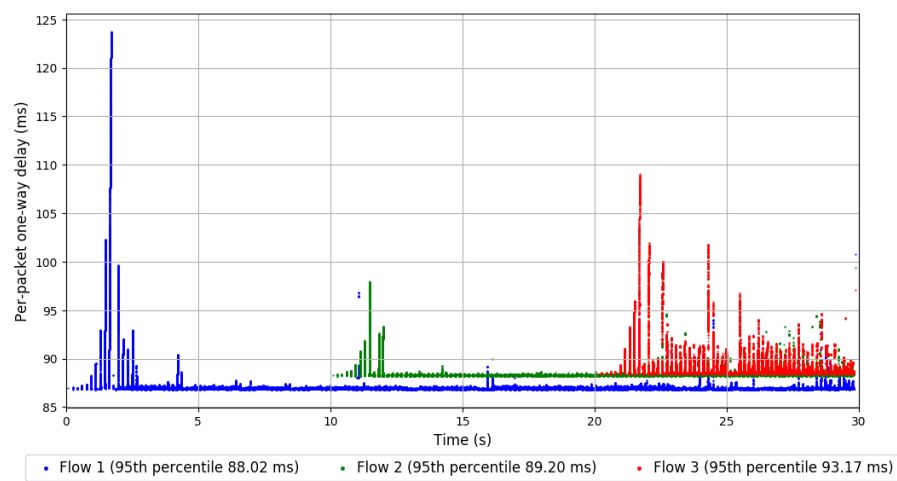
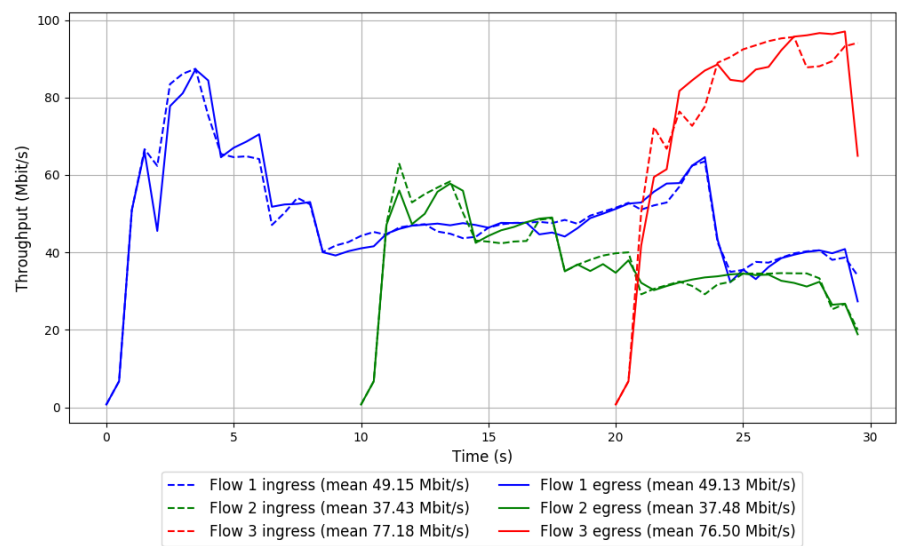


Run 8: Statistics of TCP Cubic

Start at: 2017-09-08 00:23:04  
End at: 2017-09-08 00:23:34  
Local clock offset: 0.03 ms  
Remote clock offset: -7.081 ms

# Below is generated by plot.py at 2017-09-08 05:55:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 99.10 Mbit/s  
95th percentile per-packet one-way delay: 90.535 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 49.13 Mbit/s  
95th percentile per-packet one-way delay: 88.021 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 37.48 Mbit/s  
95th percentile per-packet one-way delay: 89.200 ms  
Loss rate: 0.66%  
-- Flow 3:  
Average throughput: 76.50 Mbit/s  
95th percentile per-packet one-way delay: 93.166 ms  
Loss rate: 2.12%

Run 8: Report of TCP Cubic — Data Link

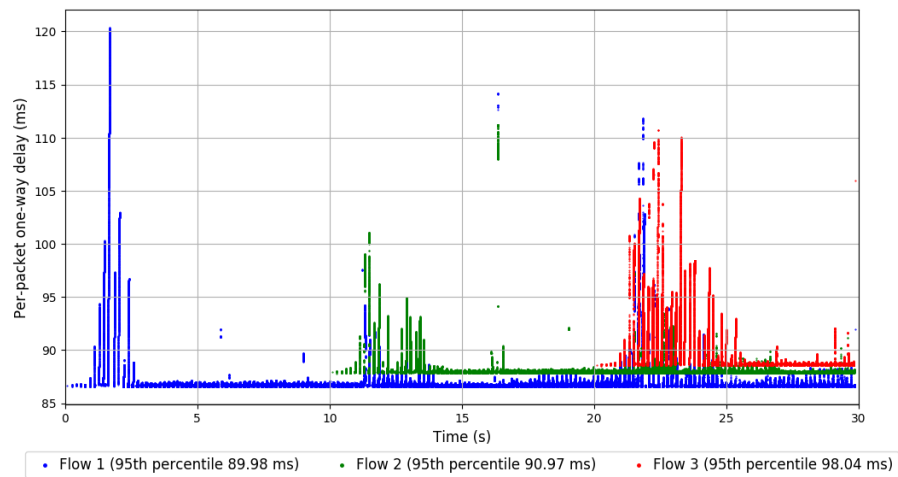
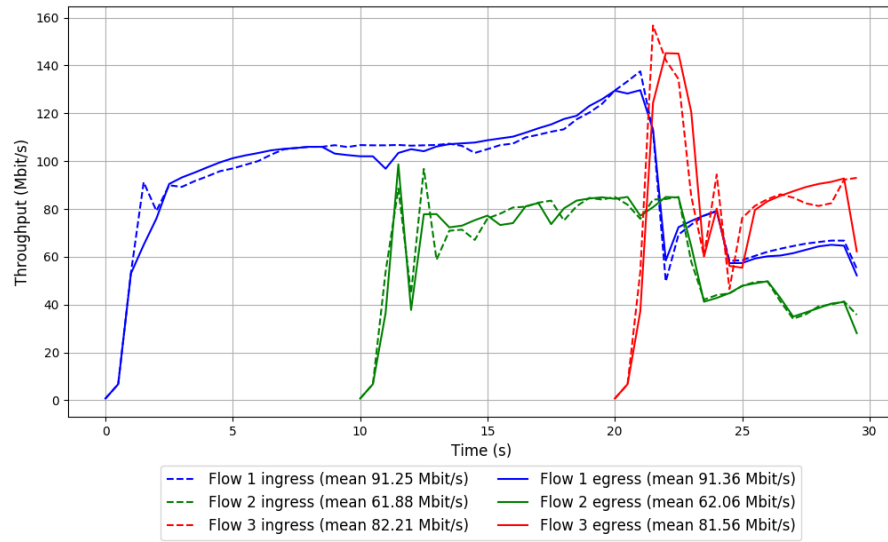


Run 9: Statistics of TCP Cubic

Start at: 2017-09-08 00:44:11  
End at: 2017-09-08 00:44:41  
Local clock offset: 0.004 ms  
Remote clock offset: -7.322 ms

# Below is generated by plot.py at 2017-09-08 05:55:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 159.19 Mbit/s  
95th percentile per-packet one-way delay: 92.993 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 91.36 Mbit/s  
95th percentile per-packet one-way delay: 89.982 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 62.06 Mbit/s  
95th percentile per-packet one-way delay: 90.970 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 81.56 Mbit/s  
95th percentile per-packet one-way delay: 98.041 ms  
Loss rate: 1.93%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-09-08 01:05:47

End at: 2017-09-08 01:06:17

Local clock offset: 0.05 ms

Remote clock offset: -7.64 ms

# Below is generated by plot.py at 2017-09-08 05:55:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 139.77 Mbit/s

95th percentile per-packet one-way delay: 88.745 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 67.65 Mbit/s

95th percentile per-packet one-way delay: 88.054 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 80.39 Mbit/s

95th percentile per-packet one-way delay: 88.950 ms

Loss rate: 0.97%

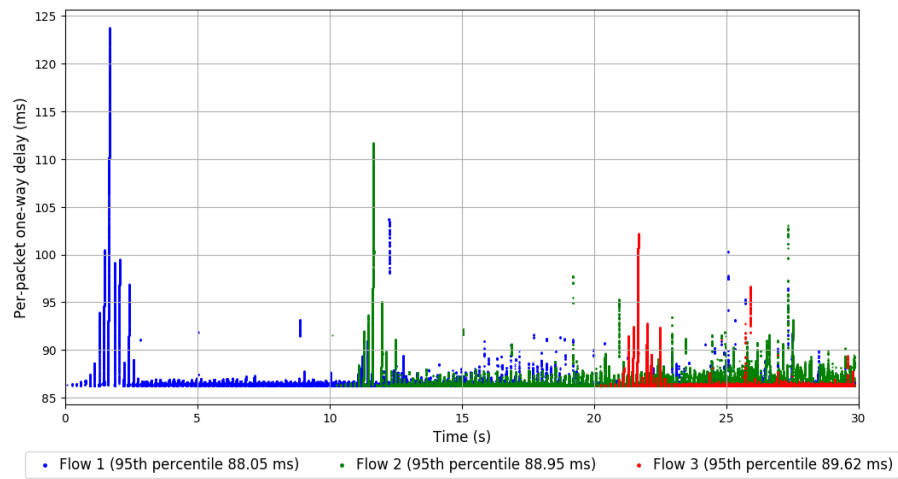
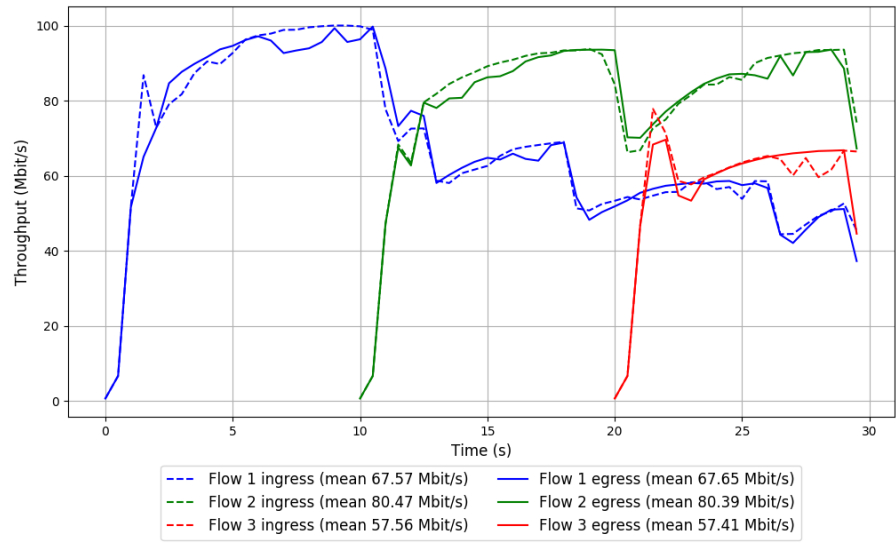
-- Flow 3:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 89.620 ms

Loss rate: 1.96%

# Run 10: Report of TCP Cubic — Data Link

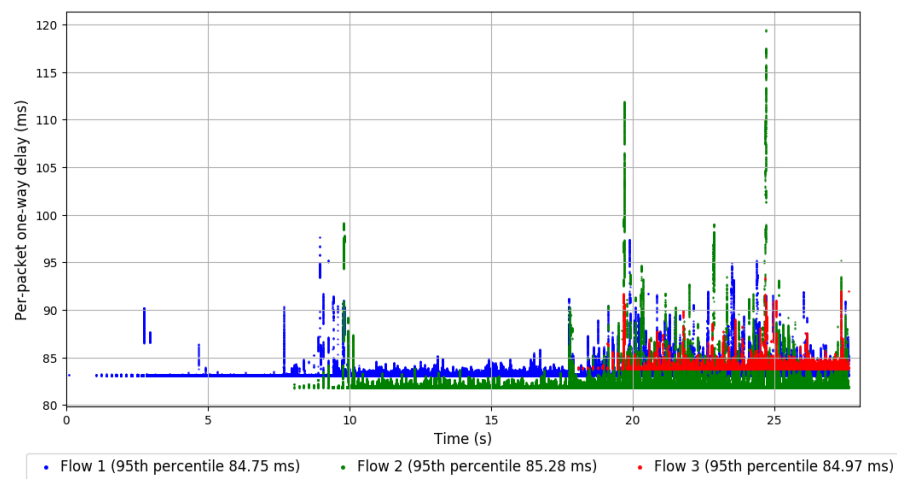
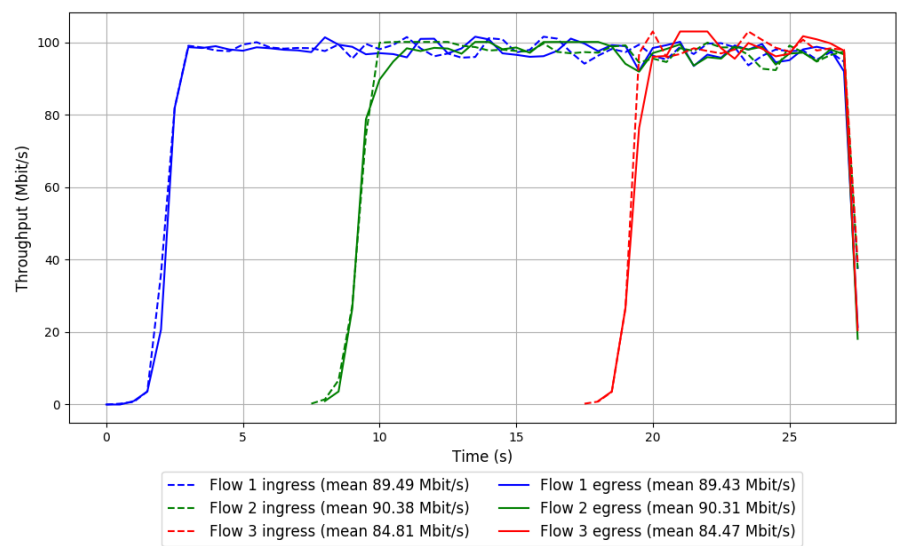


```
Run 1: Statistics of Indigo

Start at: 2017-09-07 21:55:33
End at: 2017-09-07 21:56:03
Local clock offset: 0.076 ms
Remote clock offset: -1.795 ms

# Below is generated by plot.py at 2017-09-08 05:56:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.89 Mbit/s
95th percentile per-packet one-way delay: 84.921 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 84.749 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 85.283 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 84.969 ms
Loss rate: 2.08%
```

Run 1: Report of Indigo — Data Link

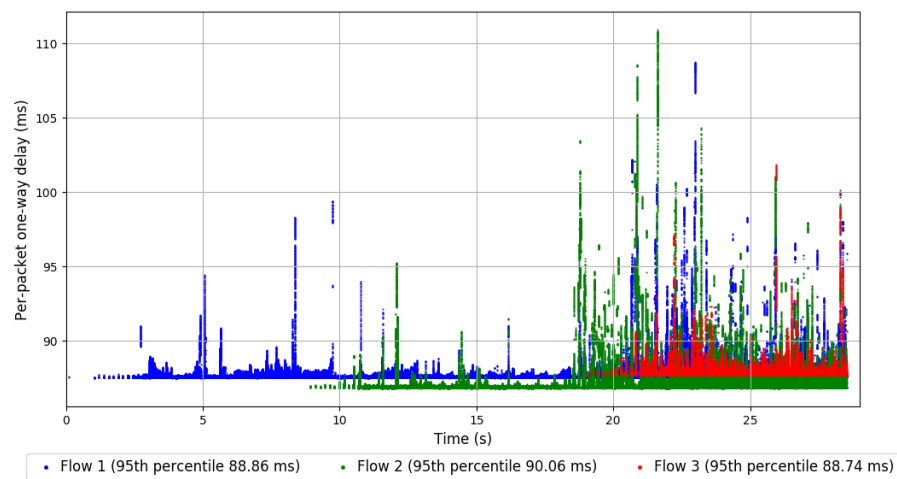
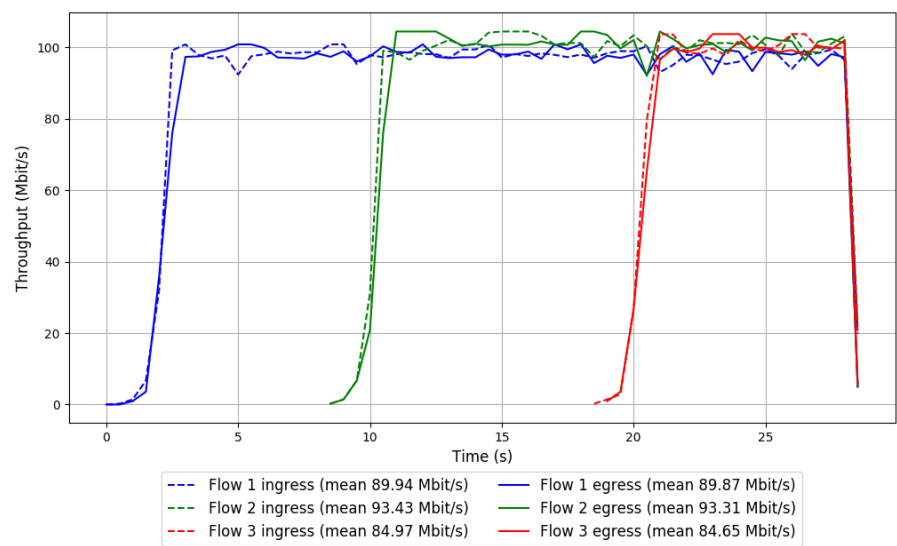


Run 2: Statistics of Indigo

Start at: 2017-09-07 22:17:05  
End at: 2017-09-07 22:17:35  
Local clock offset: 0.027 ms  
Remote clock offset: -6.273 ms

# Below is generated by plot.py at 2017-09-08 05:56:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 182.36 Mbit/s  
95th percentile per-packet one-way delay: 89.151 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 89.87 Mbit/s  
95th percentile per-packet one-way delay: 88.861 ms  
Loss rate: 0.65%  
-- Flow 2:  
Average throughput: 93.31 Mbit/s  
95th percentile per-packet one-way delay: 90.061 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 84.65 Mbit/s  
95th percentile per-packet one-way delay: 88.744 ms  
Loss rate: 2.10%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-07 22:38:44

End at: 2017-09-07 22:39:14

Local clock offset: 0.041 ms

Remote clock offset: -1.18 ms

# Below is generated by plot.py at 2017-09-08 05:56:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 183.14 Mbit/s

95th percentile per-packet one-way delay: 85.068 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 89.05 Mbit/s

95th percentile per-packet one-way delay: 85.018 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 85.651 ms

Loss rate: 0.94%

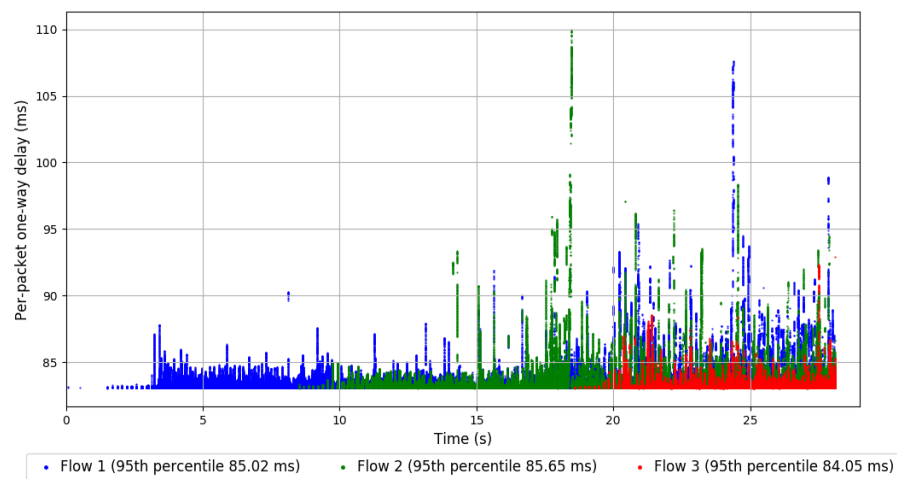
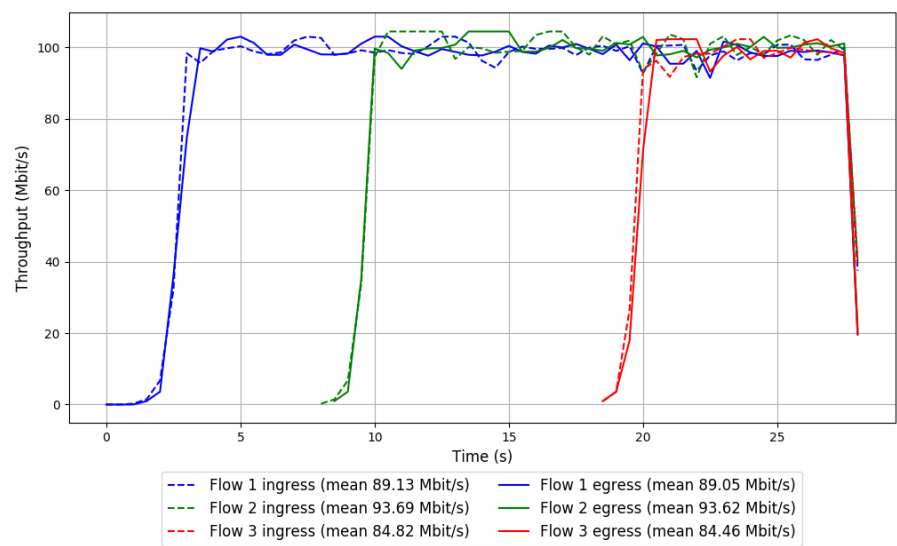
-- Flow 3:

Average throughput: 84.46 Mbit/s

95th percentile per-packet one-way delay: 84.050 ms

Loss rate: 2.08%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-07 23:00:23

End at: 2017-09-07 23:00:53

Local clock offset: -0.005 ms

Remote clock offset: -1.28 ms

# Below is generated by plot.py at 2017-09-08 05:56:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 182.25 Mbit/s

95th percentile per-packet one-way delay: 84.897 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 82.833 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 86.494 ms

Loss rate: 0.94%

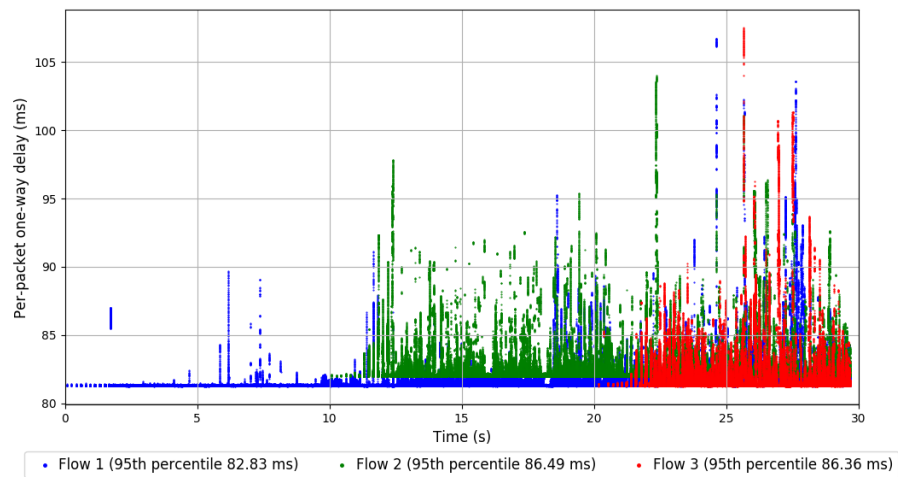
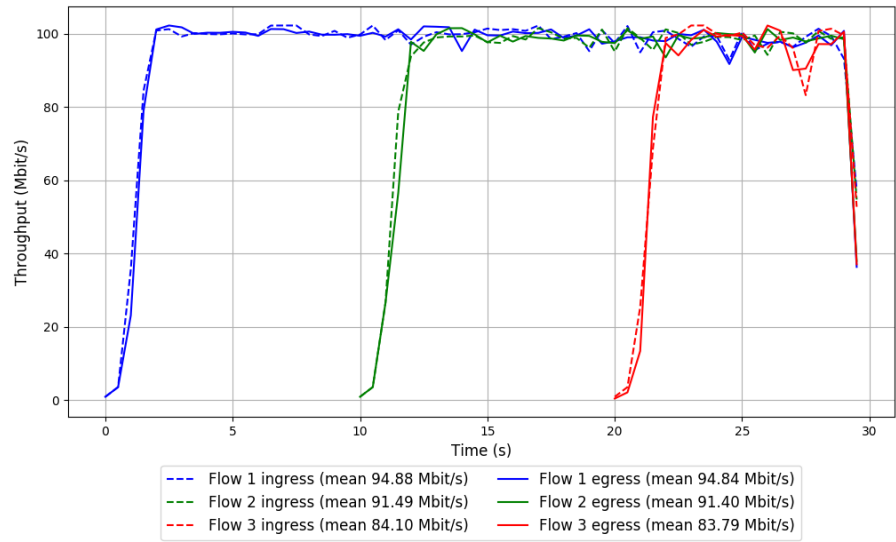
-- Flow 3:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 86.359 ms

Loss rate: 2.09%

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

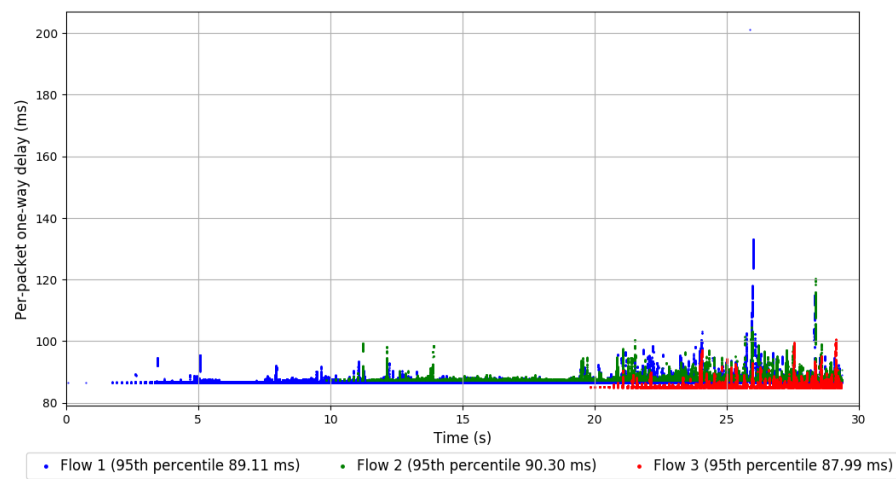
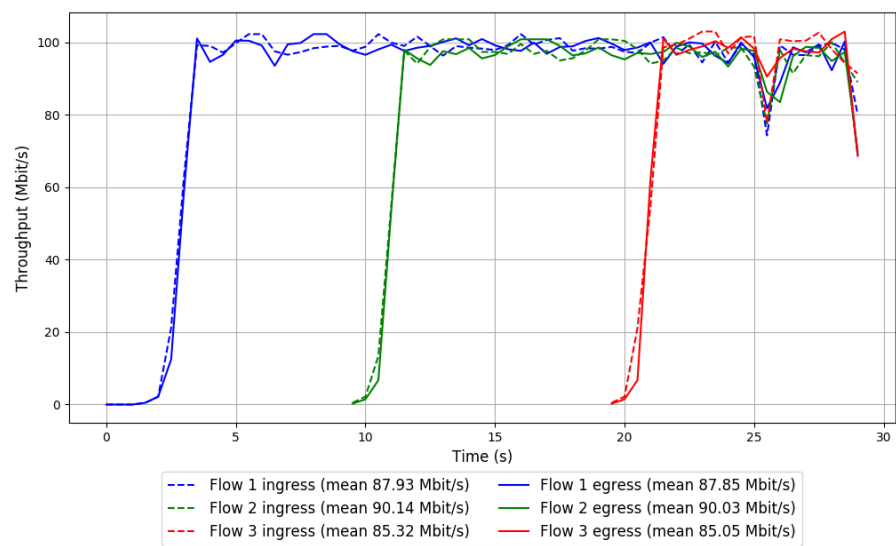


Run 5: Statistics of Indigo

Start at: 2017-09-07 23:22:06  
End at: 2017-09-07 23:22:36  
Local clock offset: -0.043 ms  
Remote clock offset: -5.408 ms

# Below is generated by plot.py at 2017-09-08 05:56:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 175.47 Mbit/s  
95th percentile per-packet one-way delay: 89.471 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 87.85 Mbit/s  
95th percentile per-packet one-way delay: 89.113 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 90.302 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 85.05 Mbit/s  
95th percentile per-packet one-way delay: 87.987 ms  
Loss rate: 2.09%

Run 5: Report of Indigo — Data Link

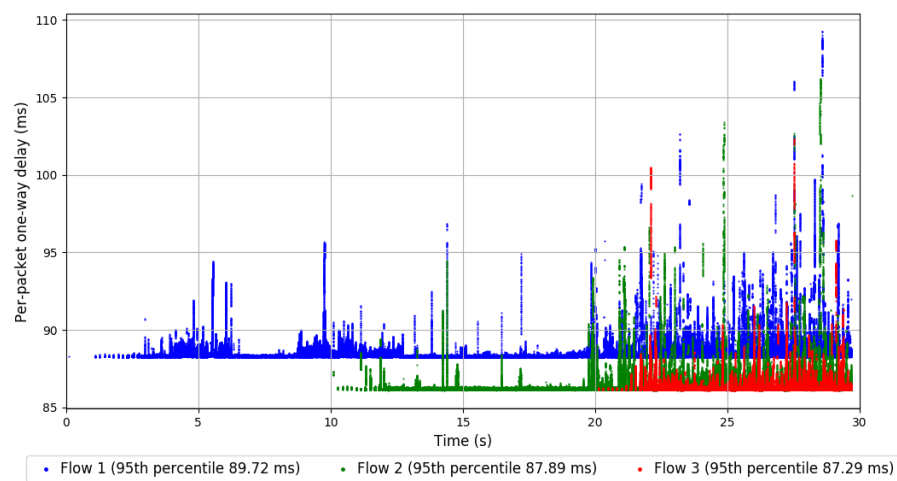
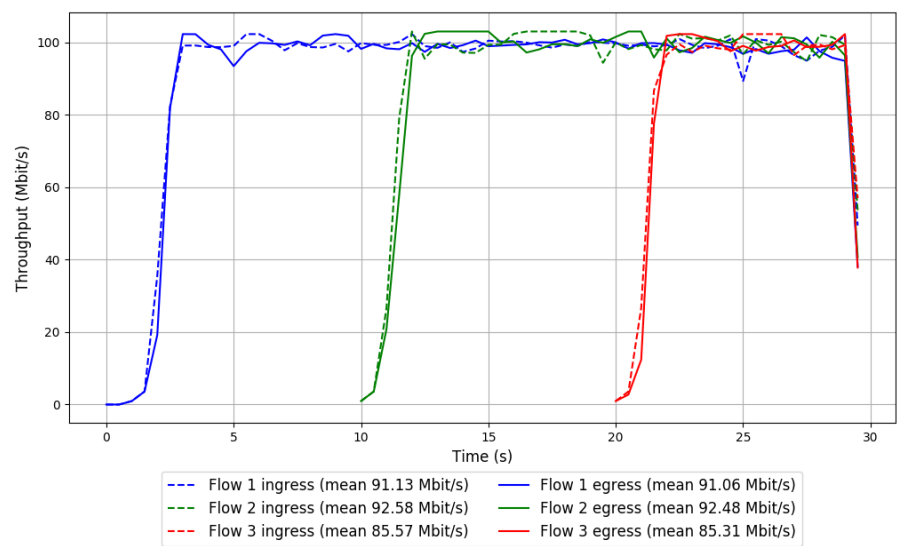


Run 6: Statistics of Indigo

Start at: 2017-09-07 23:43:57  
End at: 2017-09-07 23:44:27  
Local clock offset: 0.01 ms  
Remote clock offset: -6.533 ms

# Below is generated by plot.py at 2017-09-08 05:57:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 179.76 Mbit/s  
95th percentile per-packet one-way delay: 89.157 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 91.06 Mbit/s  
95th percentile per-packet one-way delay: 89.723 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 92.48 Mbit/s  
95th percentile per-packet one-way delay: 87.890 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 85.31 Mbit/s  
95th percentile per-packet one-way delay: 87.293 ms  
Loss rate: 2.05%

Run 6: Report of Indigo — Data Link

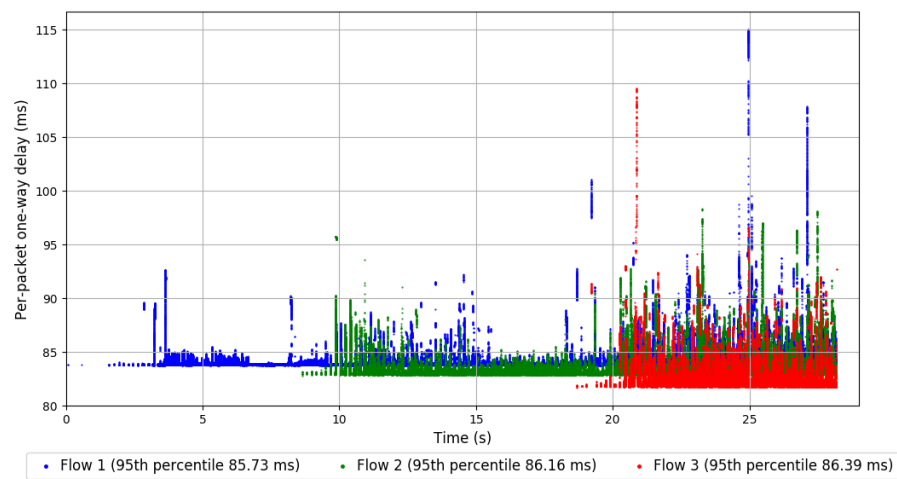
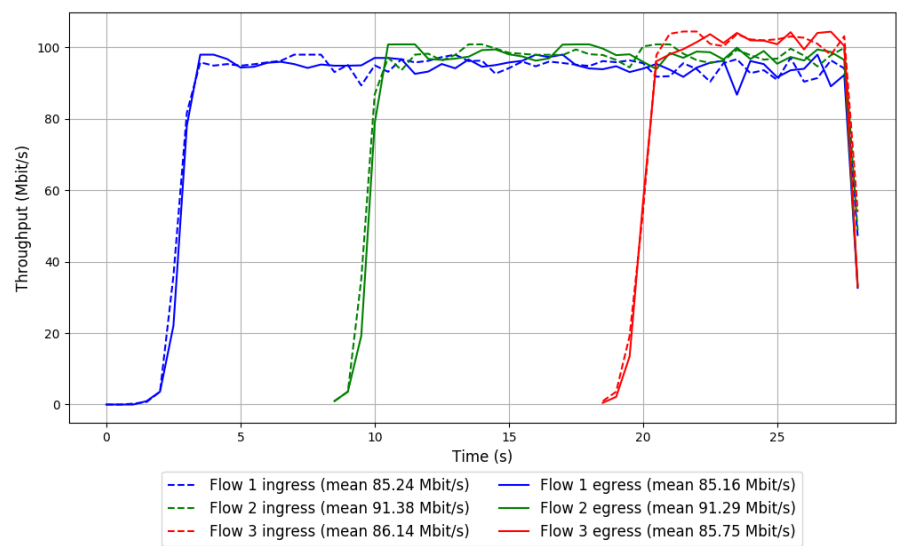


Run 7: Statistics of Indigo

Start at: 2017-09-08 00:05:39  
End at: 2017-09-08 00:06:09  
Local clock offset: -0.0 ms  
Remote clock offset: -2.792 ms

# Below is generated by plot.py at 2017-09-08 05:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 177.58 Mbit/s  
95th percentile per-packet one-way delay: 85.969 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 85.16 Mbit/s  
95th percentile per-packet one-way delay: 85.729 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 91.29 Mbit/s  
95th percentile per-packet one-way delay: 86.160 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 85.75 Mbit/s  
95th percentile per-packet one-way delay: 86.395 ms  
Loss rate: 2.08%

Run 7: Report of Indigo — Data Link

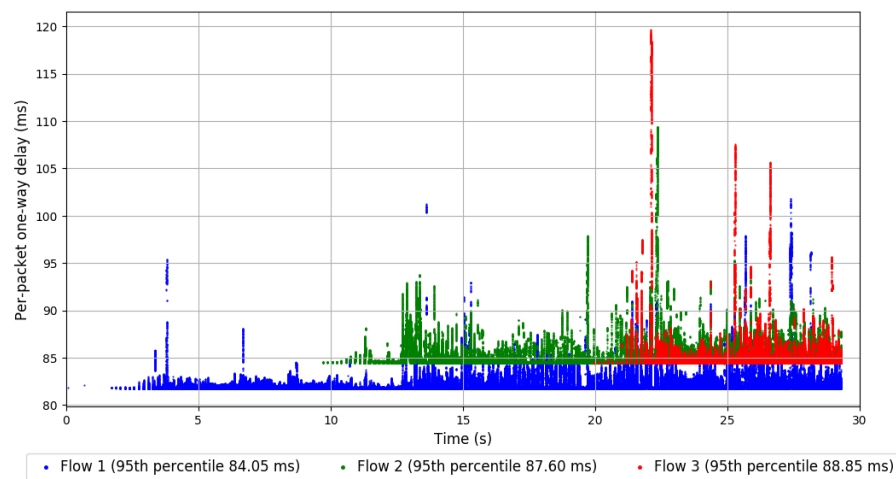
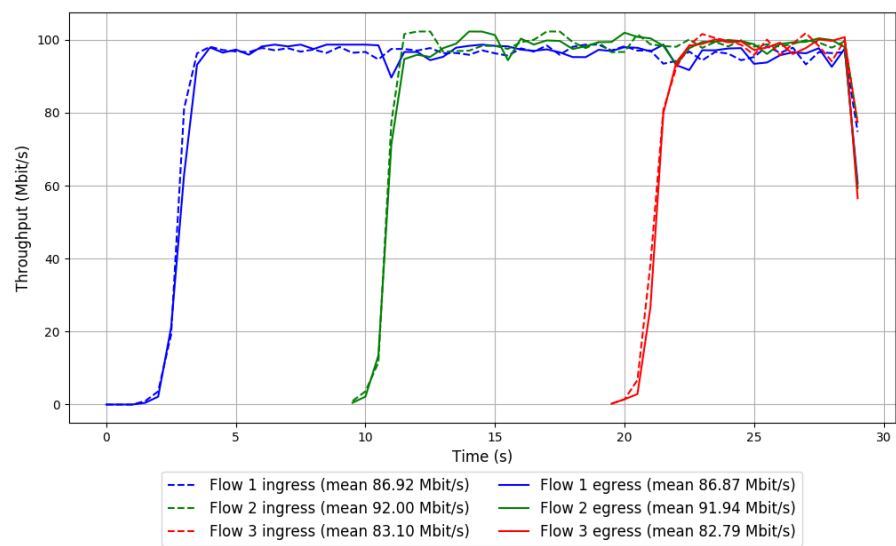


Run 8: Statistics of Indigo

Start at: 2017-09-08 00:26:57  
End at: 2017-09-08 00:27:27  
Local clock offset: 0.023 ms  
Remote clock offset: -3.191 ms

# Below is generated by plot.py at 2017-09-08 05:57:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 174.96 Mbit/s  
95th percentile per-packet one-way delay: 86.567 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 86.87 Mbit/s  
95th percentile per-packet one-way delay: 84.053 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 91.94 Mbit/s  
95th percentile per-packet one-way delay: 87.600 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 82.79 Mbit/s  
95th percentile per-packet one-way delay: 88.852 ms  
Loss rate: 2.16%

Run 8: Report of Indigo — Data Link

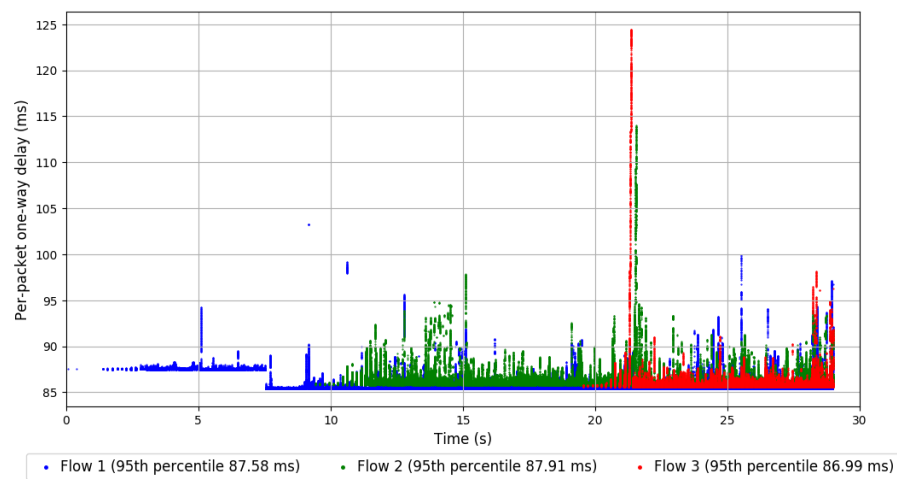
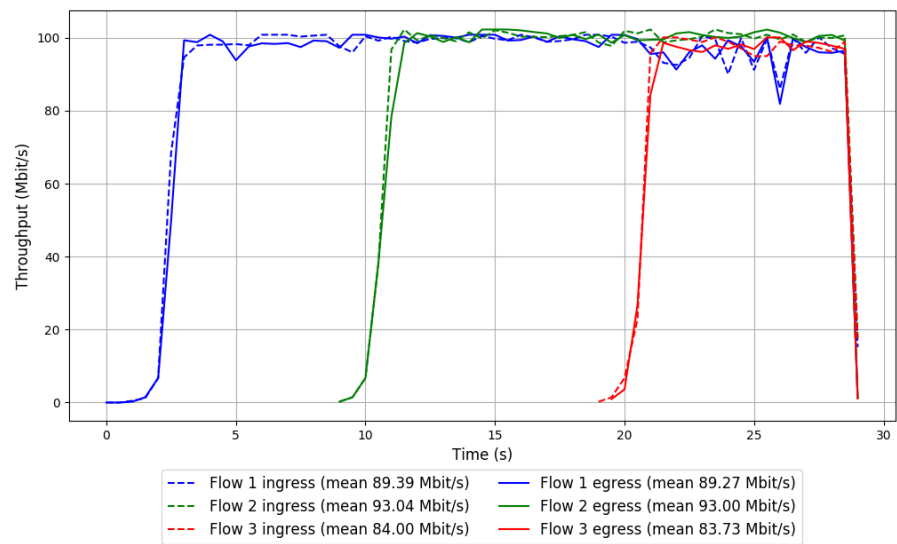


Run 9: Statistics of Indigo

Start at: 2017-09-08 00:48:07  
End at: 2017-09-08 00:48:37  
Local clock offset: 0.031 ms  
Remote clock offset: -7.357 ms

# Below is generated by plot.py at 2017-09-08 05:57:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 179.62 Mbit/s  
95th percentile per-packet one-way delay: 87.591 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 89.27 Mbit/s  
95th percentile per-packet one-way delay: 87.584 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 93.00 Mbit/s  
95th percentile per-packet one-way delay: 87.912 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 83.73 Mbit/s  
95th percentile per-packet one-way delay: 86.987 ms  
Loss rate: 1.95%

Run 9: Report of Indigo — Data Link

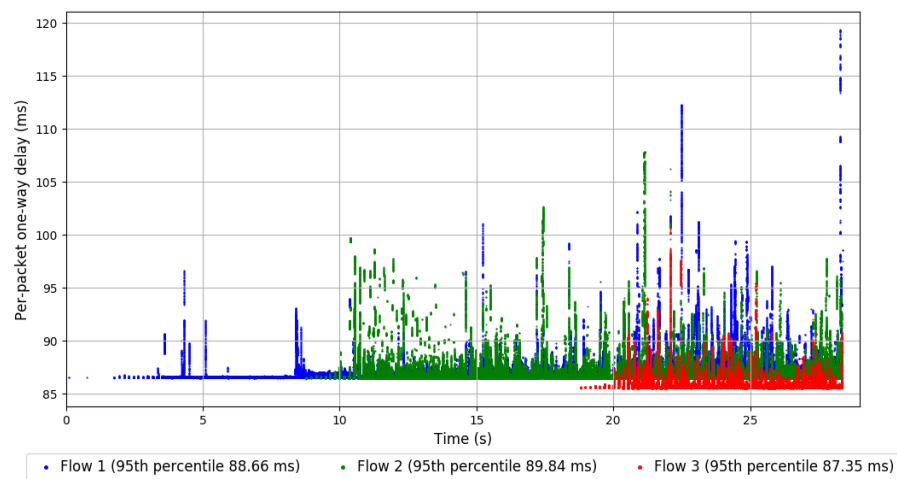
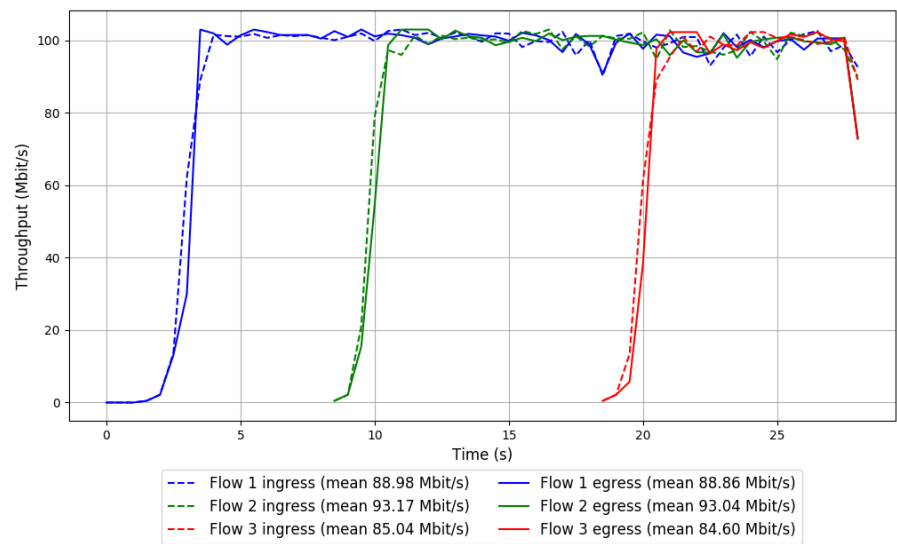


Run 10: Statistics of Indigo

Start at: 2017-09-08 01:09:43  
End at: 2017-09-08 01:10:13  
Local clock offset: 0.034 ms  
Remote clock offset: -7.655 ms

# Below is generated by plot.py at 2017-09-08 05:57:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 181.90 Mbit/s  
95th percentile per-packet one-way delay: 88.940 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 88.86 Mbit/s  
95th percentile per-packet one-way delay: 88.655 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 93.04 Mbit/s  
95th percentile per-packet one-way delay: 89.845 ms  
Loss rate: 0.93%  
-- Flow 3:  
Average throughput: 84.60 Mbit/s  
95th percentile per-packet one-way delay: 87.348 ms  
Loss rate: 2.06%

Run 10: Report of Indigo — Data Link

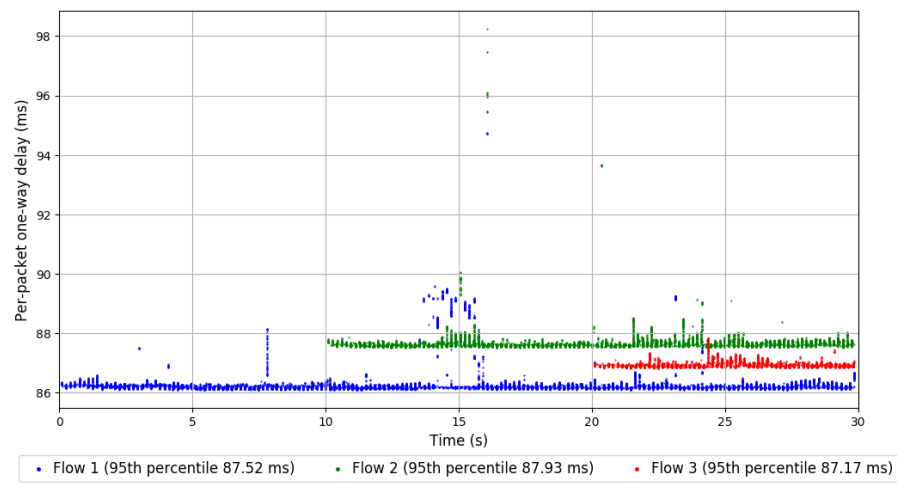
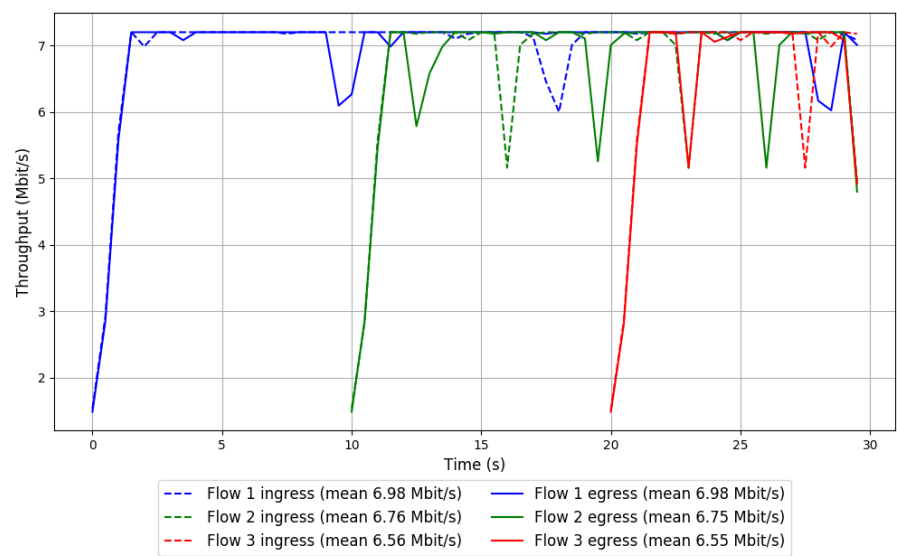


```
Run 1: Statistics of KohoCC

Start at: 2017-09-07 22:00:07
End at: 2017-09-07 22:00:37
Local clock offset: 0.061 ms
Remote clock offset: -6.517 ms

# Below is generated by plot.py at 2017-09-08 05:57:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 87.826 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 87.516 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 87.932 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 87.173 ms
Loss rate: 1.85%
```

Run 1: Report of KohoCC — Data Link

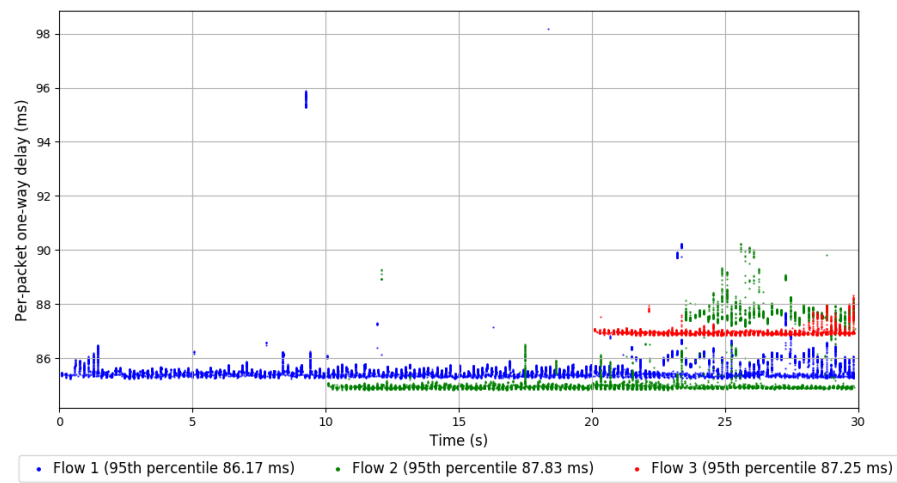
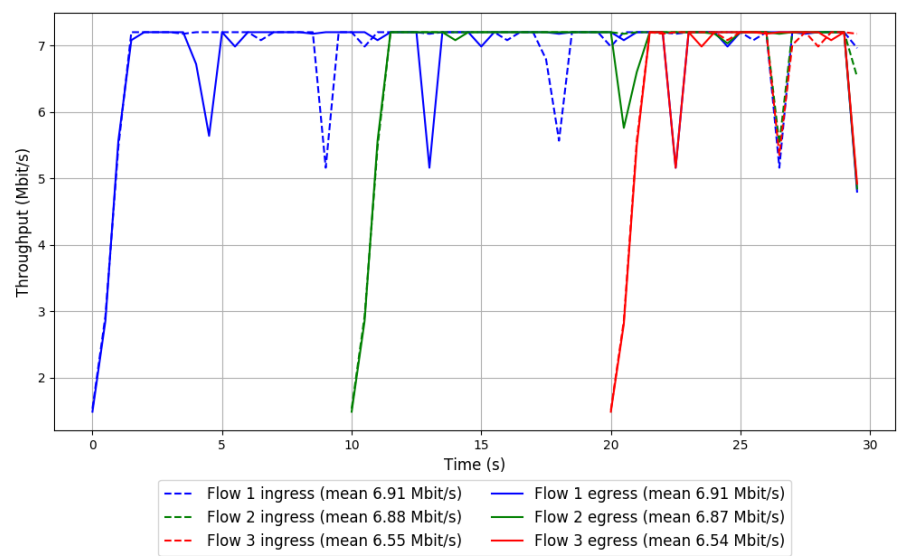


```
Run 2: Statistics of KohoCC

Start at: 2017-09-07 22:21:41
End at: 2017-09-07 22:22:11
Local clock offset: 0.034 ms
Remote clock offset: -5.32 ms

# Below is generated by plot.py at 2017-09-08 05:57:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 87.623 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 86.167 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 87.825 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 87.252 ms
Loss rate: 1.85%
```

Run 2: Report of KohoCC — Data Link

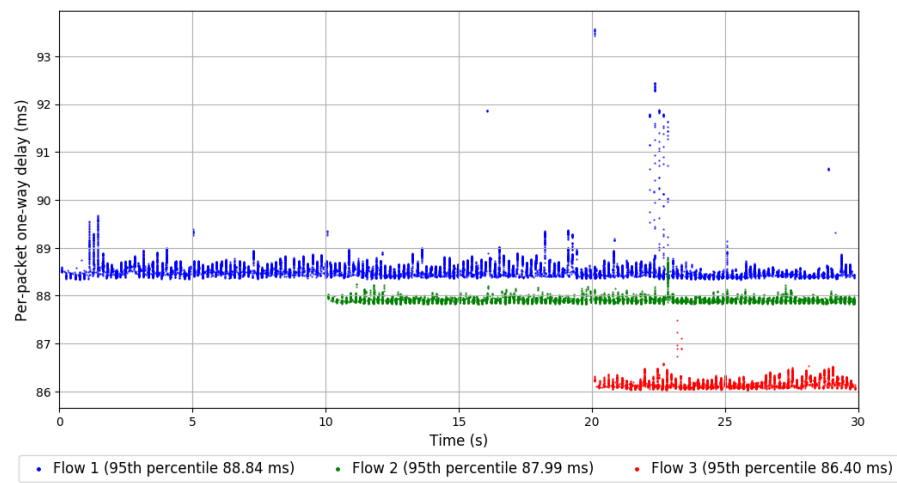
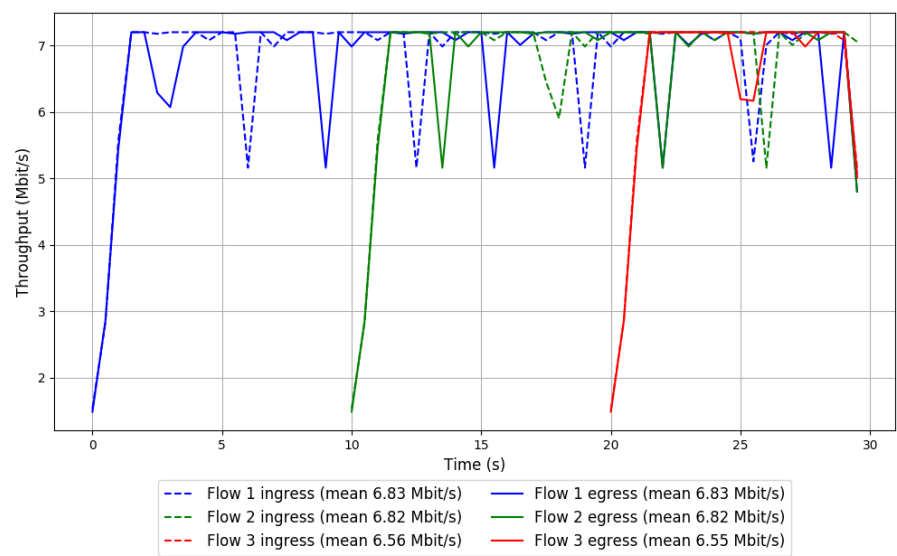


Run 3: Statistics of KohoCC

Start at: 2017-09-07 22:43:20  
End at: 2017-09-07 22:43:50  
Local clock offset: -0.056 ms  
Remote clock offset: -6.033 ms

# Below is generated by plot.py at 2017-09-08 05:57:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.49 Mbit/s  
95th percentile per-packet one-way delay: 88.756 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 6.83 Mbit/s  
95th percentile per-packet one-way delay: 88.841 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 87.993 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 6.55 Mbit/s  
95th percentile per-packet one-way delay: 86.397 ms  
Loss rate: 1.84%

Run 3: Report of KohoCC — Data Link

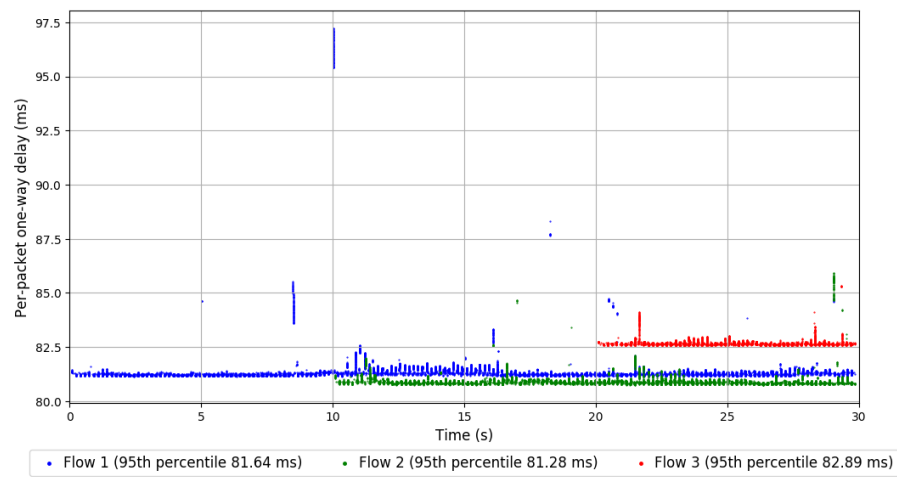
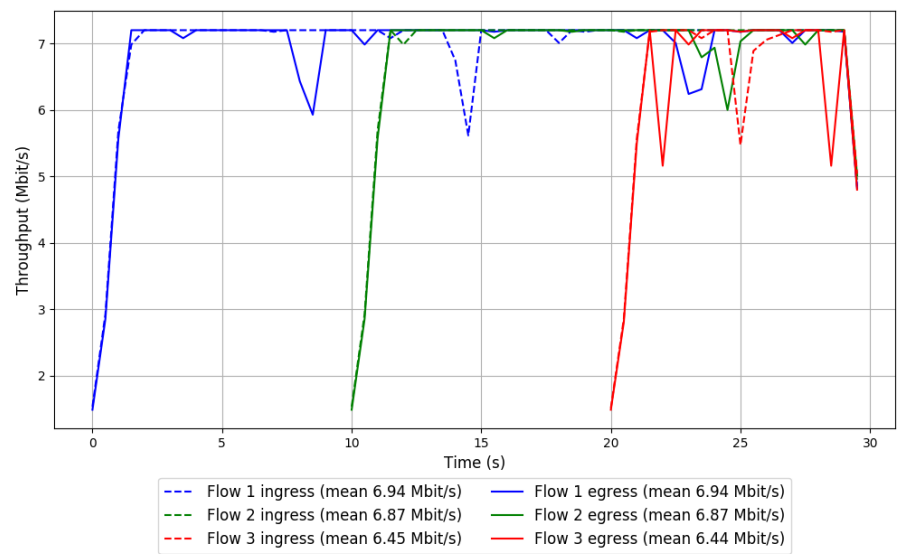


Run 4: Statistics of KohoCC

Start at: 2017-09-07 23:04:51  
End at: 2017-09-07 23:05:21  
Local clock offset: -0.095 ms  
Remote clock offset: -1.263 ms

# Below is generated by plot.py at 2017-09-08 05:57:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.61 Mbit/s  
95th percentile per-packet one-way delay: 82.682 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 6.94 Mbit/s  
95th percentile per-packet one-way delay: 81.641 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 6.87 Mbit/s  
95th percentile per-packet one-way delay: 81.284 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 6.44 Mbit/s  
95th percentile per-packet one-way delay: 82.893 ms  
Loss rate: 1.88%

Run 4: Report of KohoCC — Data Link

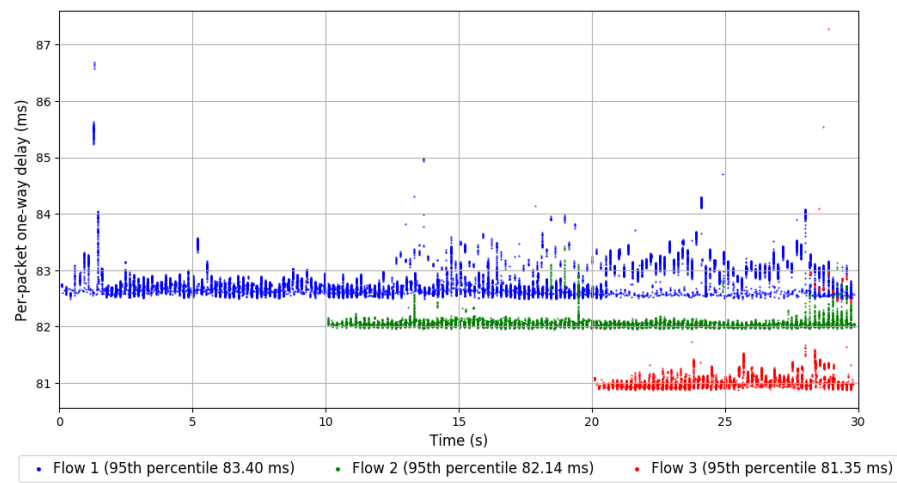
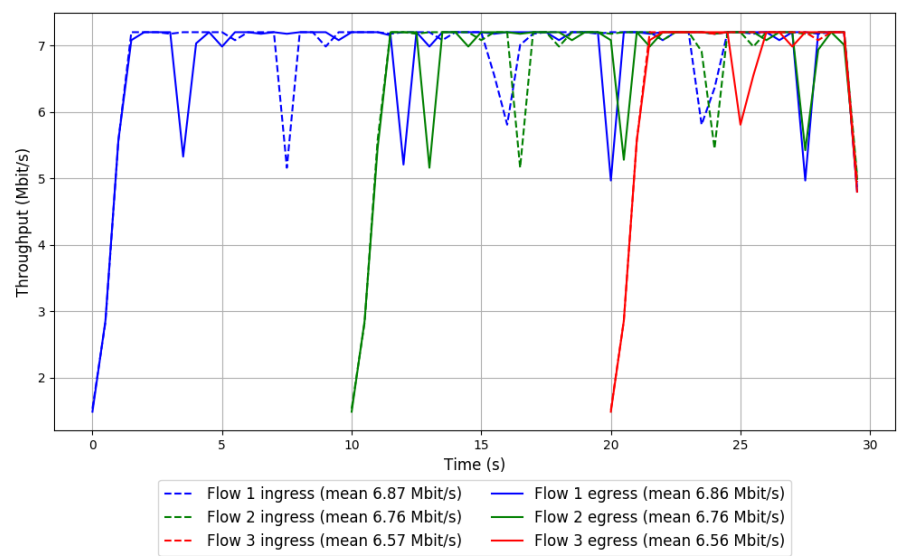


Run 5: Statistics of KohoCC

Start at: 2017-09-07 23:26:46  
End at: 2017-09-07 23:27:16  
Local clock offset: -0.0 ms  
Remote clock offset: -0.573 ms

# Below is generated by plot.py at 2017-09-08 05:57:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.49 Mbit/s  
95th percentile per-packet one-way delay: 83.261 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 6.86 Mbit/s  
95th percentile per-packet one-way delay: 83.398 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 6.76 Mbit/s  
95th percentile per-packet one-way delay: 82.143 ms  
Loss rate: 0.89%  
-- Flow 3:  
Average throughput: 6.56 Mbit/s  
95th percentile per-packet one-way delay: 81.354 ms  
Loss rate: 1.85%

Run 5: Report of KohoCC — Data Link

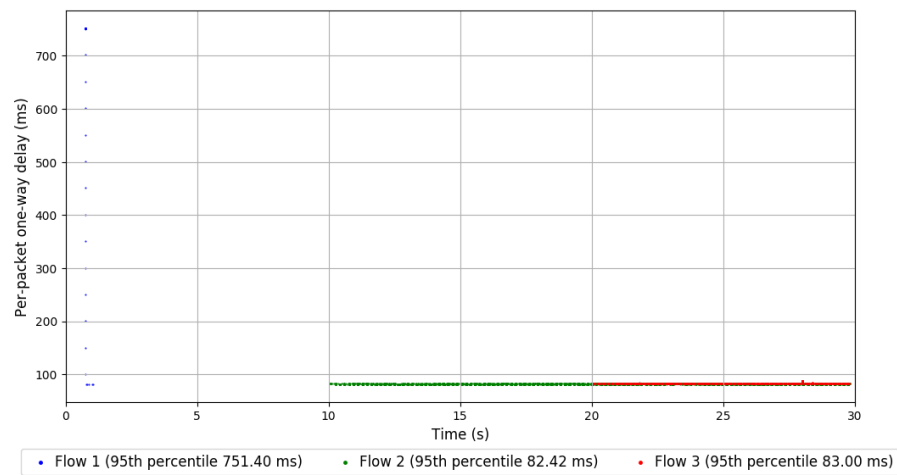
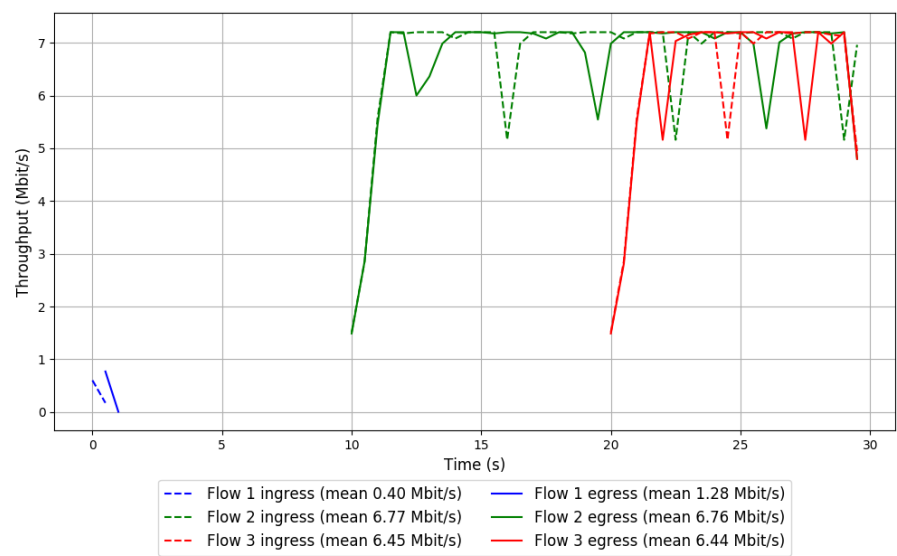


Run 6: Statistics of KohoCC

Start at: 2017-09-07 23:48:31  
End at: 2017-09-07 23:49:01  
Local clock offset: 0.001 ms  
Remote clock offset: -0.793 ms

# Below is generated by plot.py at 2017-09-08 05:57:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 6.75 Mbit/s  
95th percentile per-packet one-way delay: 82.906 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 1.28 Mbit/s  
95th percentile per-packet one-way delay: 751.399 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.76 Mbit/s  
95th percentile per-packet one-way delay: 82.423 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 6.44 Mbit/s  
95th percentile per-packet one-way delay: 83.001 ms  
Loss rate: 1.88%

Run 6: Report of KohoCC — Data Link

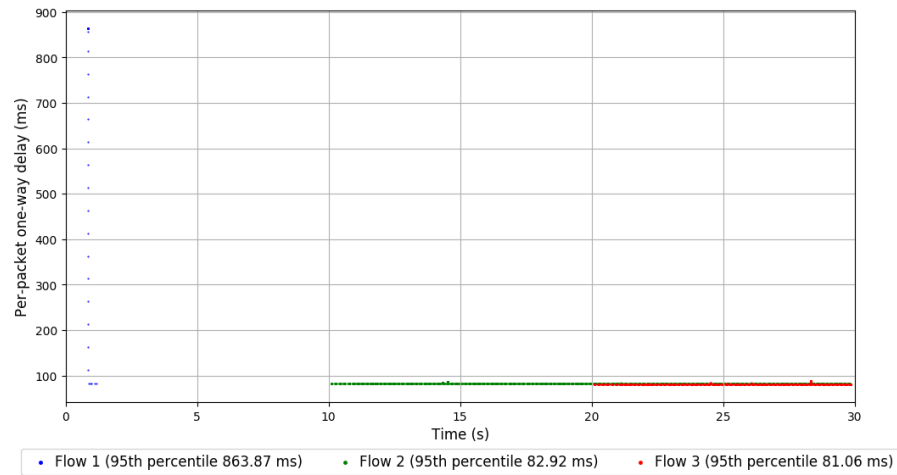
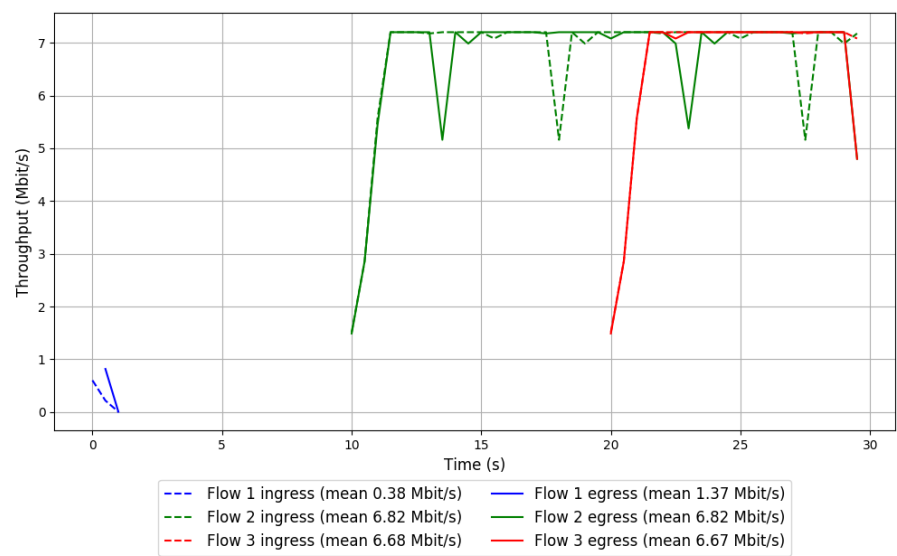


Run 7: Statistics of KohoCC

Start at: 2017-09-08 00:10:11  
End at: 2017-09-08 00:10:41  
Local clock offset: 0.015 ms  
Remote clock offset: -1.979 ms

# Below is generated by plot.py at 2017-09-08 05:57:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 6.90 Mbit/s  
95th percentile per-packet one-way delay: 82.896 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 1.37 Mbit/s  
95th percentile per-packet one-way delay: 863.873 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 82.919 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 6.67 Mbit/s  
95th percentile per-packet one-way delay: 81.063 ms  
Loss rate: 1.82%

Run 7: Report of KohoCC — Data Link

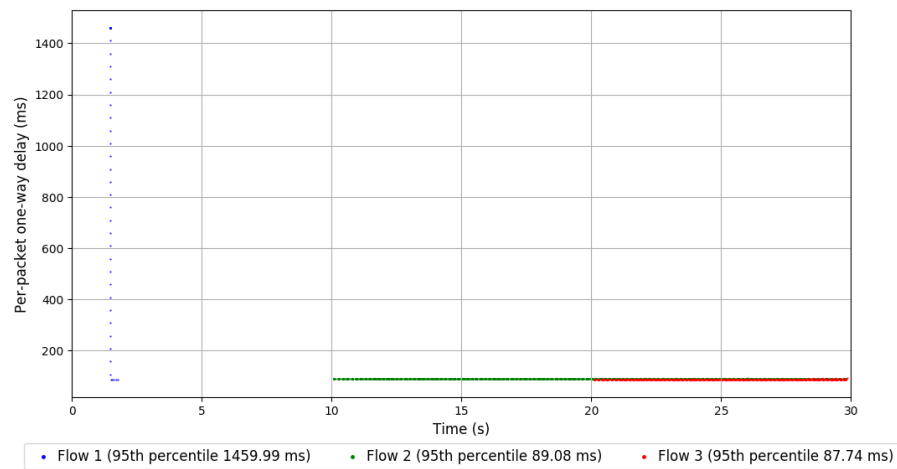
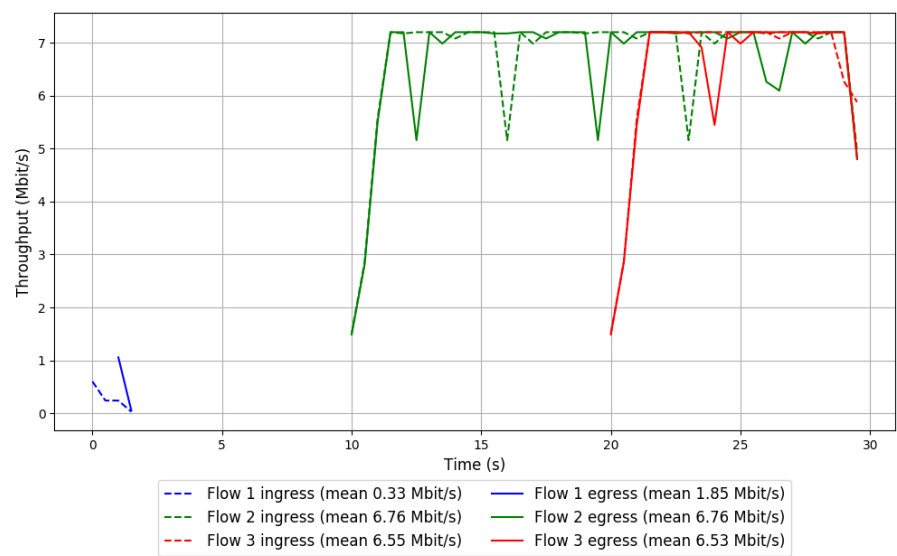


Run 8: Statistics of KohoCC

Start at: 2017-09-08 00:31:29  
End at: 2017-09-08 00:31:59  
Local clock offset: 0.037 ms  
Remote clock offset: -7.157 ms

# Below is generated by plot.py at 2017-09-08 05:57:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 6.96 Mbit/s  
95th percentile per-packet one-way delay: 89.056 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 1.85 Mbit/s  
95th percentile per-packet one-way delay: 1459.987 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.76 Mbit/s  
95th percentile per-packet one-way delay: 89.083 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 6.53 Mbit/s  
95th percentile per-packet one-way delay: 87.741 ms  
Loss rate: 1.85%

Run 8: Report of KohoCC — Data Link

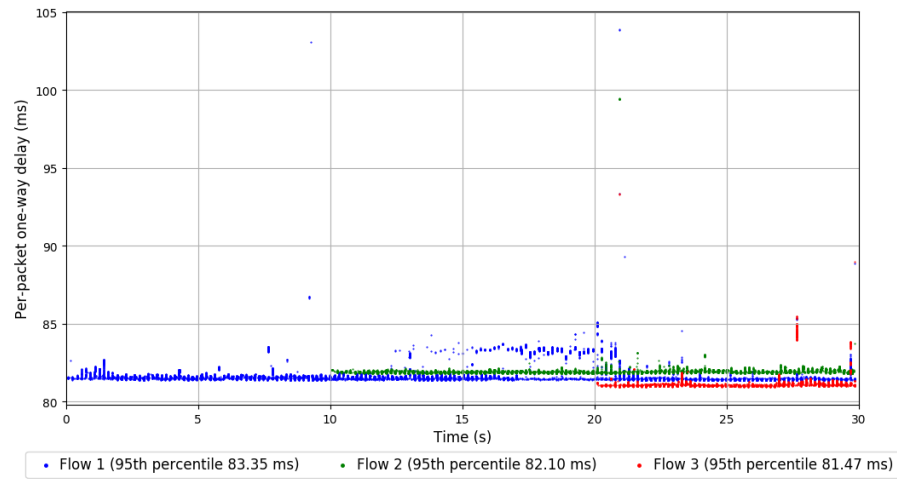
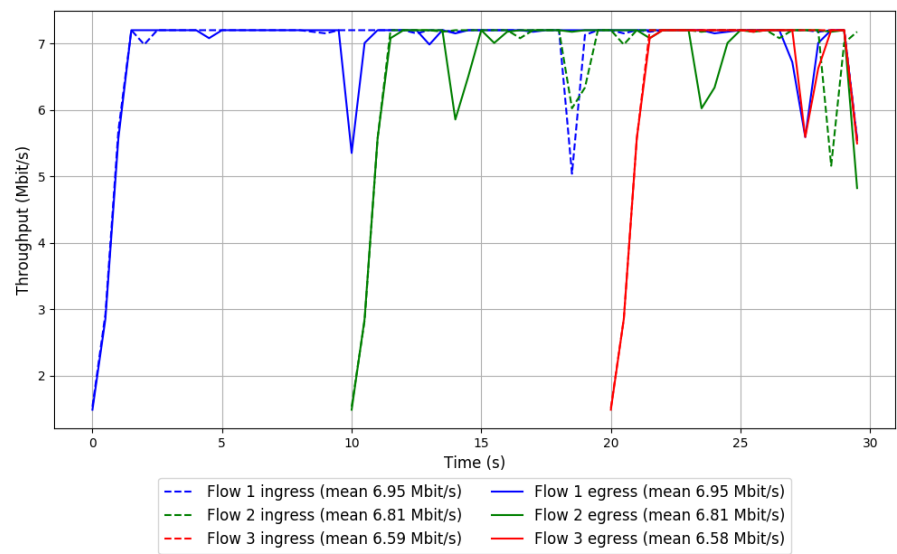


Run 9: Statistics of KohoCC

Start at: 2017-09-08 00:52:39  
End at: 2017-09-08 00:53:09  
Local clock offset: 0.051 ms  
Remote clock offset: -2.657 ms

# Below is generated by plot.py at 2017-09-08 05:57:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.62 Mbit/s  
95th percentile per-packet one-way delay: 83.172 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 6.95 Mbit/s  
95th percentile per-packet one-way delay: 83.347 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 6.81 Mbit/s  
95th percentile per-packet one-way delay: 82.102 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 6.58 Mbit/s  
95th percentile per-packet one-way delay: 81.468 ms  
Loss rate: 1.80%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-09-08 01:14:18

End at: 2017-09-08 01:14:48

Local clock offset: -0.01 ms

Remote clock offset: -2.85 ms

# Below is generated by plot.py at 2017-09-08 05:58:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 81.476 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 81.094 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 6.82 Mbit/s

95th percentile per-packet one-way delay: 81.516 ms

Loss rate: 0.88%

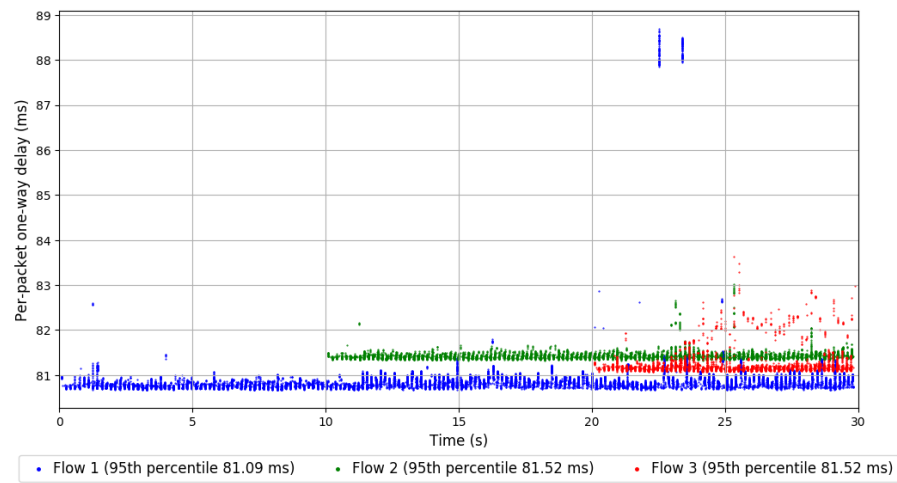
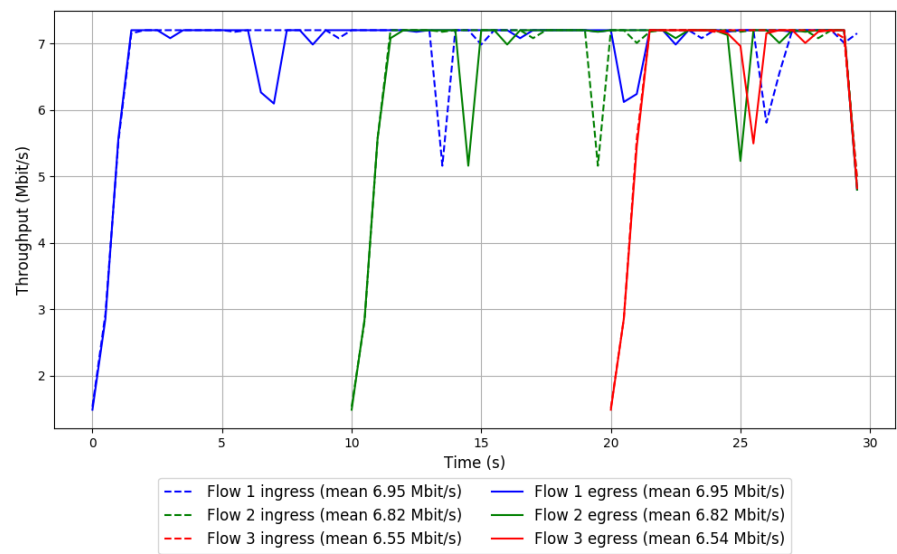
-- Flow 3:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 81.522 ms

Loss rate: 1.85%

Run 10: Report of KohoCC — Data Link

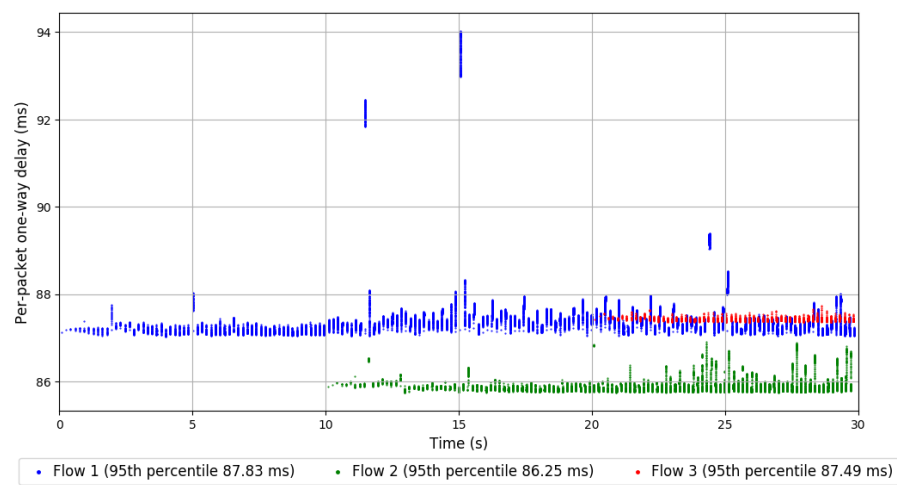
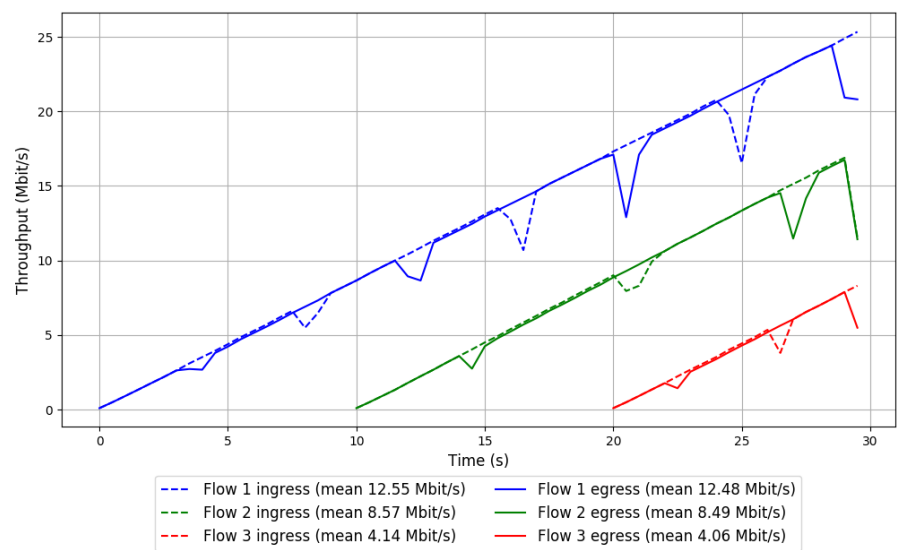


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-07 21:50:22
End at: 2017-09-07 21:50:52
Local clock offset: 0.098 ms
Remote clock offset: -5.782 ms

# Below is generated by plot.py at 2017-09-08 05:58:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 87.689 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 87.835 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 86.247 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 87.489 ms
Loss rate: 3.44%
```

Run 1: Report of LEDBAT — Data Link

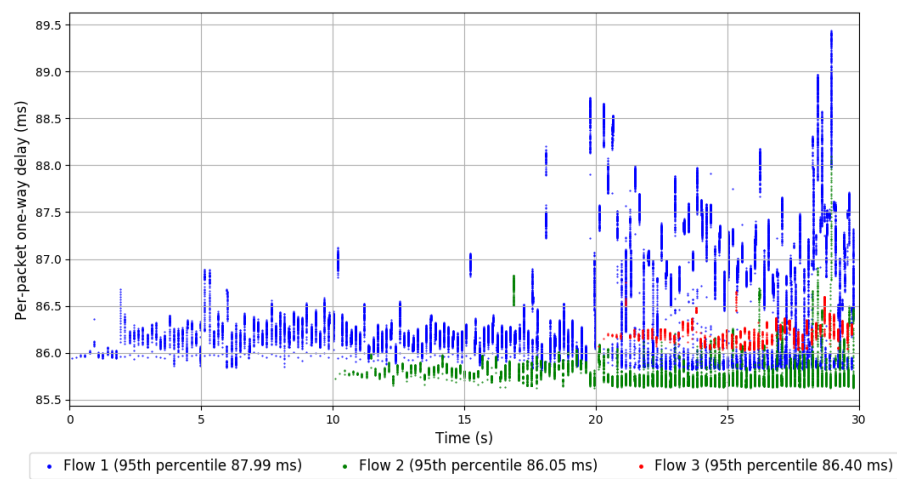
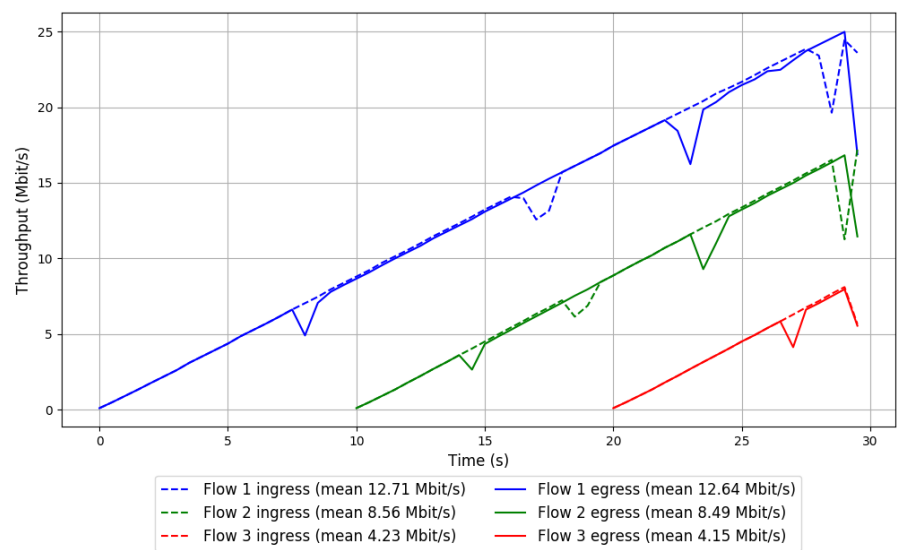


Run 2: Statistics of LEDBAT

Start at: 2017-09-07 22:11:57  
End at: 2017-09-07 22:12:27  
Local clock offset: -0.06 ms  
Remote clock offset: -6.365 ms

# Below is generated by plot.py at 2017-09-08 05:58:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.60 Mbit/s  
95th percentile per-packet one-way delay: 87.733 ms  
Loss rate: 1.45%  
-- Flow 1:  
Average throughput: 12.64 Mbit/s  
95th percentile per-packet one-way delay: 87.986 ms  
Loss rate: 1.12%  
-- Flow 2:  
Average throughput: 8.49 Mbit/s  
95th percentile per-packet one-way delay: 86.052 ms  
Loss rate: 1.70%  
-- Flow 3:  
Average throughput: 4.15 Mbit/s  
95th percentile per-packet one-way delay: 86.400 ms  
Loss rate: 3.47%

Run 2: Report of LEDBAT — Data Link

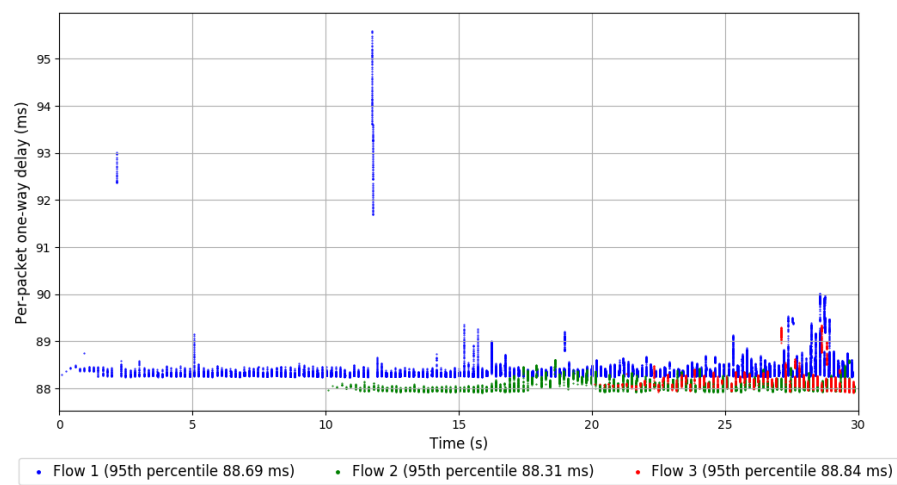
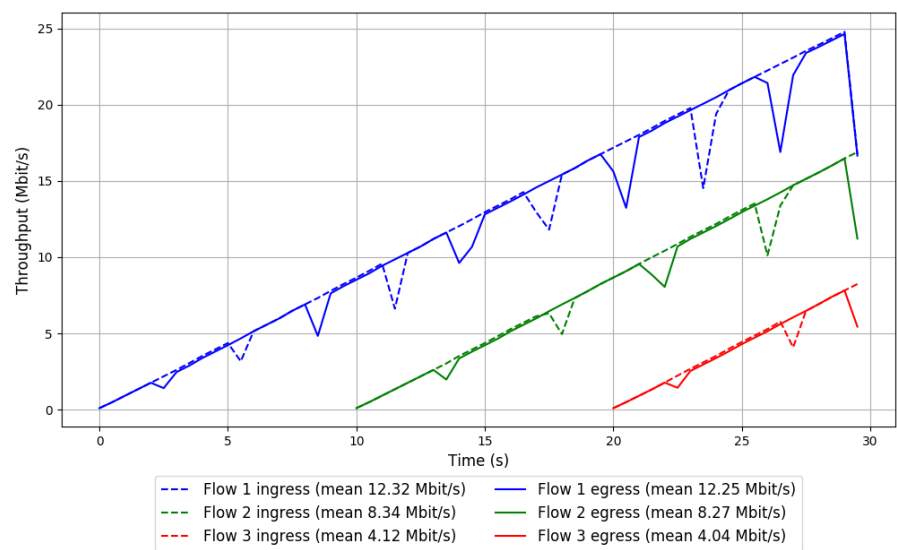


Run 3: Statistics of LEDBAT

Start at: 2017-09-07 22:33:33  
End at: 2017-09-07 22:34:03  
Local clock offset: 0.024 ms  
Remote clock offset: -6.056 ms

# Below is generated by plot.py at 2017-09-08 05:58:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.02 Mbit/s  
95th percentile per-packet one-way delay: 88.590 ms  
Loss rate: 1.47%  
-- Flow 1:  
Average throughput: 12.25 Mbit/s  
95th percentile per-packet one-way delay: 88.686 ms  
Loss rate: 1.14%  
-- Flow 2:  
Average throughput: 8.27 Mbit/s  
95th percentile per-packet one-way delay: 88.310 ms  
Loss rate: 1.71%  
-- Flow 3:  
Average throughput: 4.04 Mbit/s  
95th percentile per-packet one-way delay: 88.843 ms  
Loss rate: 3.43%

Run 3: Report of LEDBAT — Data Link

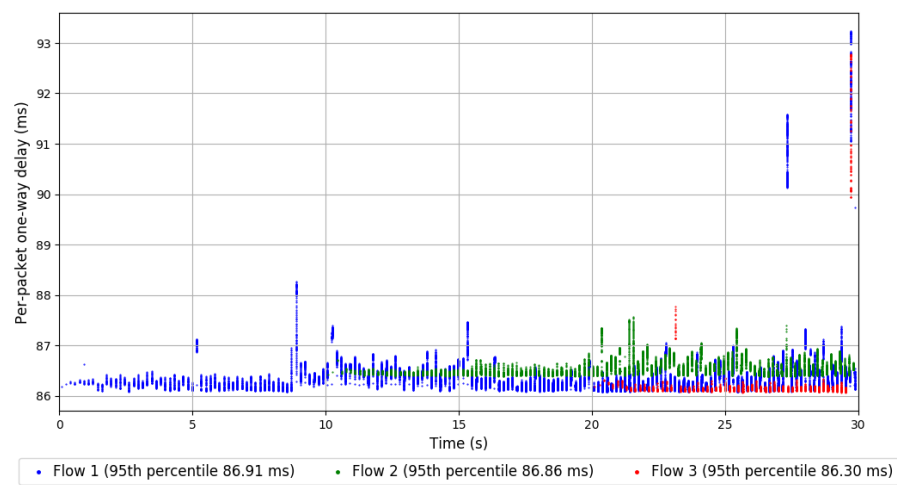
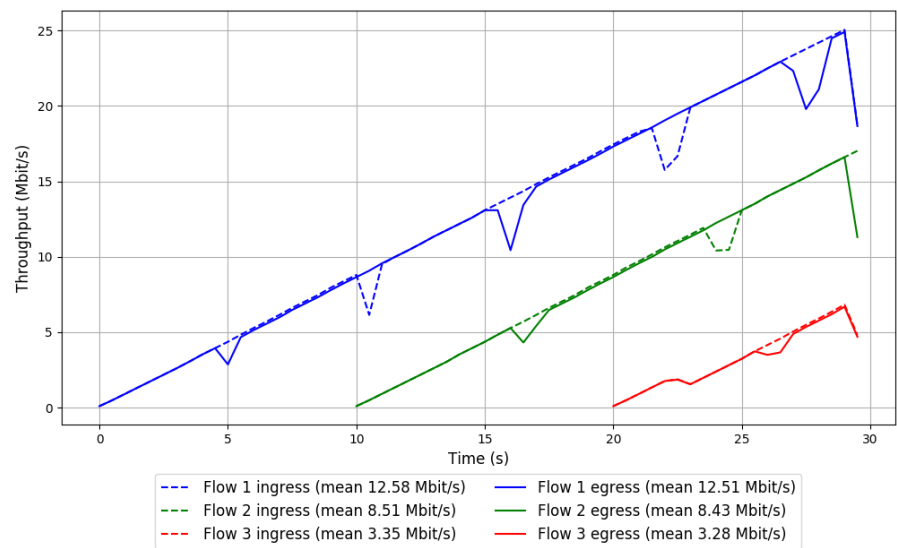


Run 4: Statistics of LEDBAT

Start at: 2017-09-07 22:55:10  
End at: 2017-09-07 22:55:40  
Local clock offset: -0.022 ms  
Remote clock offset: -6.082 ms

# Below is generated by plot.py at 2017-09-08 05:58:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.14 Mbit/s  
95th percentile per-packet one-way delay: 86.881 ms  
Loss rate: 1.44%  
-- Flow 1:  
Average throughput: 12.51 Mbit/s  
95th percentile per-packet one-way delay: 86.906 ms  
Loss rate: 1.12%  
-- Flow 2:  
Average throughput: 8.43 Mbit/s  
95th percentile per-packet one-way delay: 86.861 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 3.28 Mbit/s  
95th percentile per-packet one-way delay: 86.300 ms  
Loss rate: 3.76%

Run 4: Report of LEDBAT — Data Link

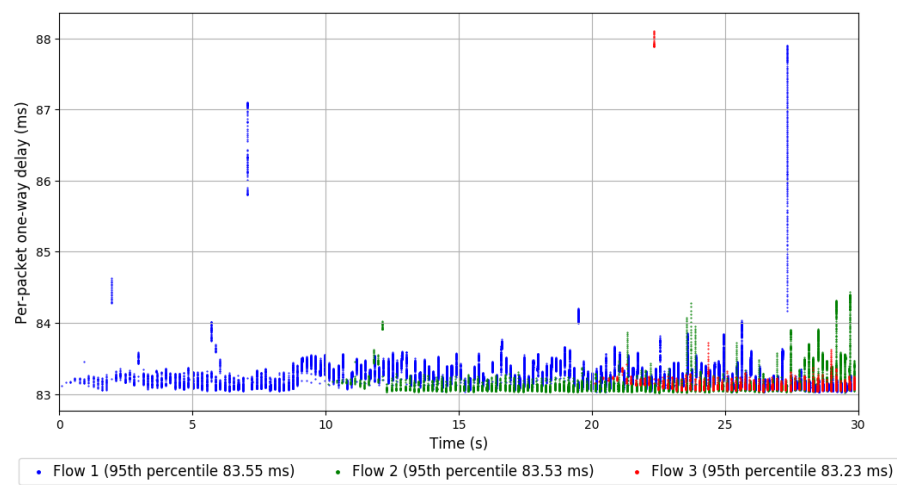
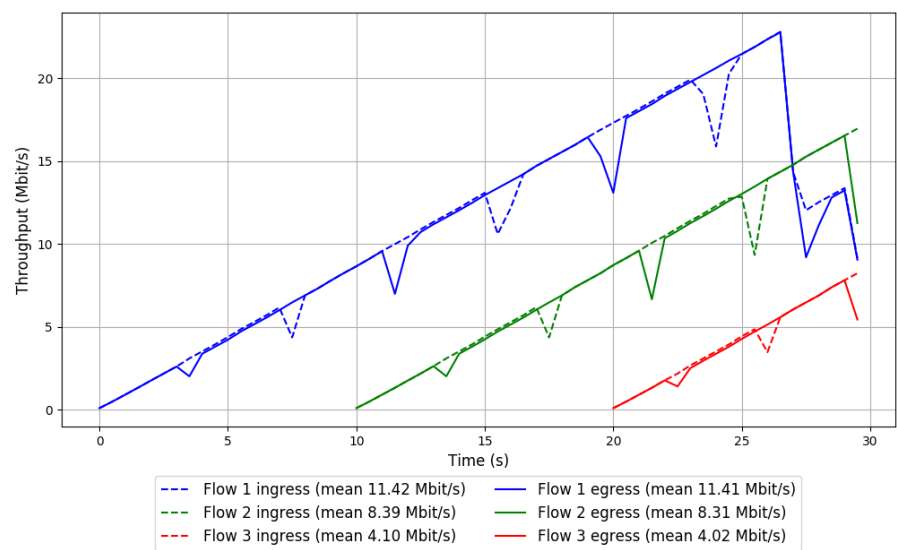


Run 5: Statistics of LEDBAT

Start at: 2017-09-07 23:16:56  
End at: 2017-09-07 23:17:26  
Local clock offset: -0.021 ms  
Remote clock offset: -1.365 ms

# Below is generated by plot.py at 2017-09-08 05:58:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.19 Mbit/s  
95th percentile per-packet one-way delay: 83.542 ms  
Loss rate: 1.20%  
-- Flow 1:  
Average throughput: 11.41 Mbit/s  
95th percentile per-packet one-way delay: 83.554 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 8.31 Mbit/s  
95th percentile per-packet one-way delay: 83.534 ms  
Loss rate: 1.71%  
-- Flow 3:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 83.231 ms  
Loss rate: 3.44%

Run 5: Report of LEDBAT — Data Link

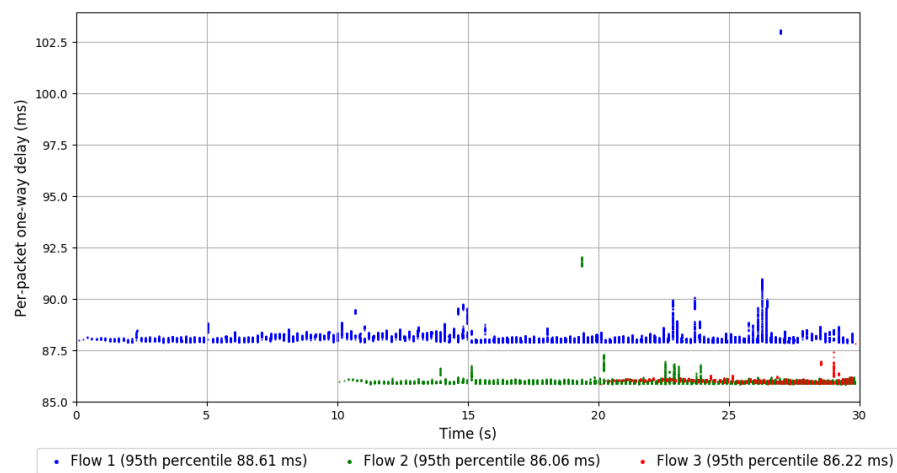
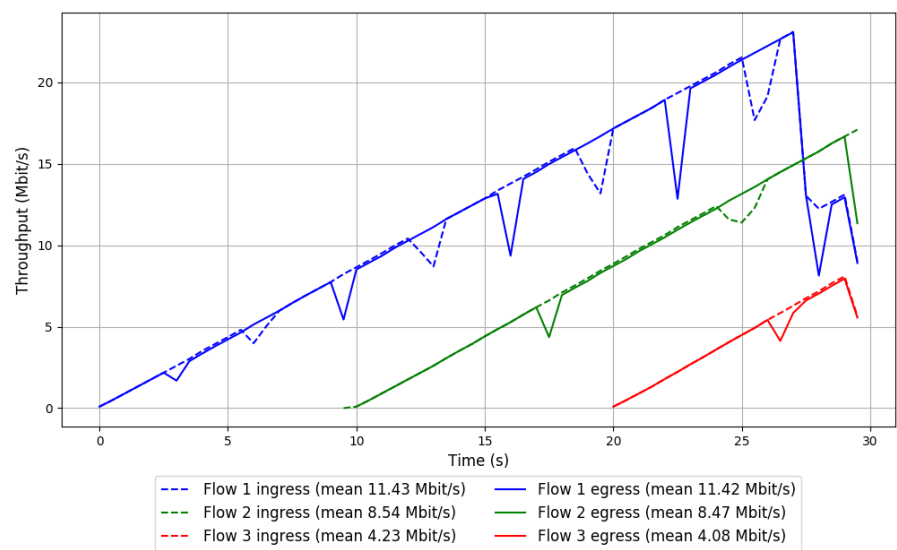


Run 6: Statistics of LEDBAT

Start at: 2017-09-07 23:38:47  
End at: 2017-09-07 23:39:17  
Local clock offset: -0.056 ms  
Remote clock offset: -6.515 ms

# Below is generated by plot.py at 2017-09-08 05:58:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.31 Mbit/s  
95th percentile per-packet one-way delay: 88.403 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 11.42 Mbit/s  
95th percentile per-packet one-way delay: 88.605 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 8.47 Mbit/s  
95th percentile per-packet one-way delay: 86.064 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 4.08 Mbit/s  
95th percentile per-packet one-way delay: 86.218 ms  
Loss rate: 3.44%

Run 6: Report of LEDBAT — Data Link

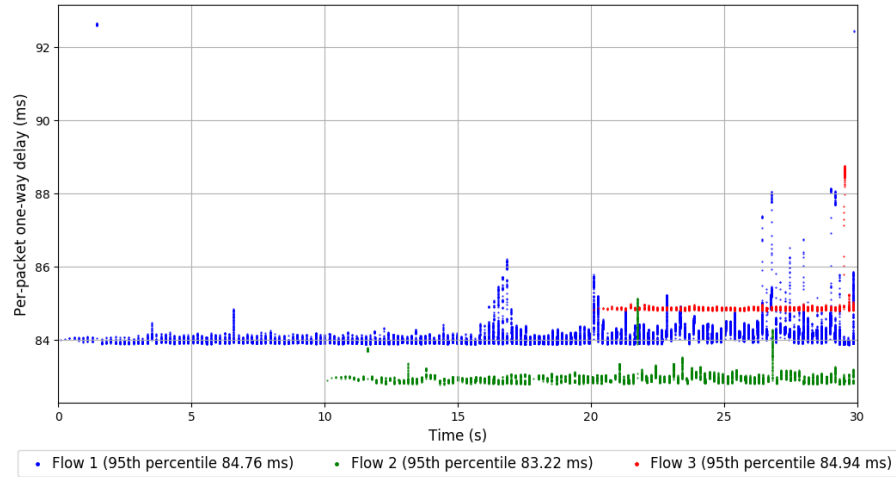
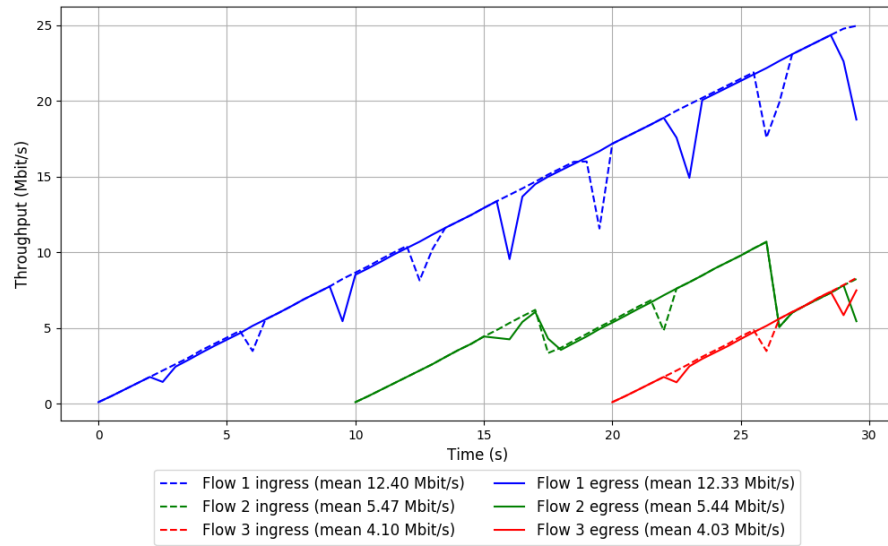


Run 7: Statistics of LEDBAT

Start at: 2017-09-08 00:00:28  
End at: 2017-09-08 00:00:58  
Local clock offset: 0.126 ms  
Remote clock offset: -2.752 ms

# Below is generated by plot.py at 2017-09-08 05:58:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 17.26 Mbit/s  
95th percentile per-packet one-way delay: 84.880 ms  
Loss rate: 1.34%  
-- Flow 1:  
Average throughput: 12.33 Mbit/s  
95th percentile per-packet one-way delay: 84.763 ms  
Loss rate: 1.12%  
-- Flow 2:  
Average throughput: 5.44 Mbit/s  
95th percentile per-packet one-way delay: 83.223 ms  
Loss rate: 1.30%  
-- Flow 3:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 84.942 ms  
Loss rate: 3.46%

# Run 7: Report of LEDBAT — Data Link

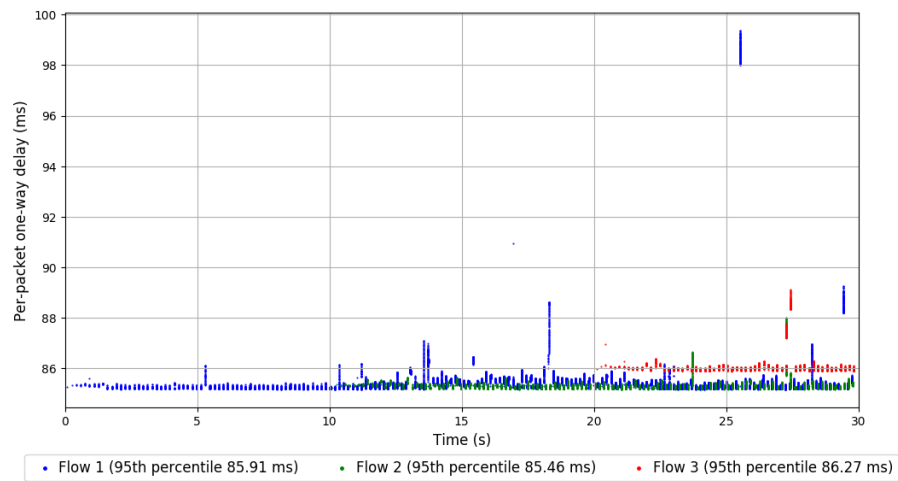
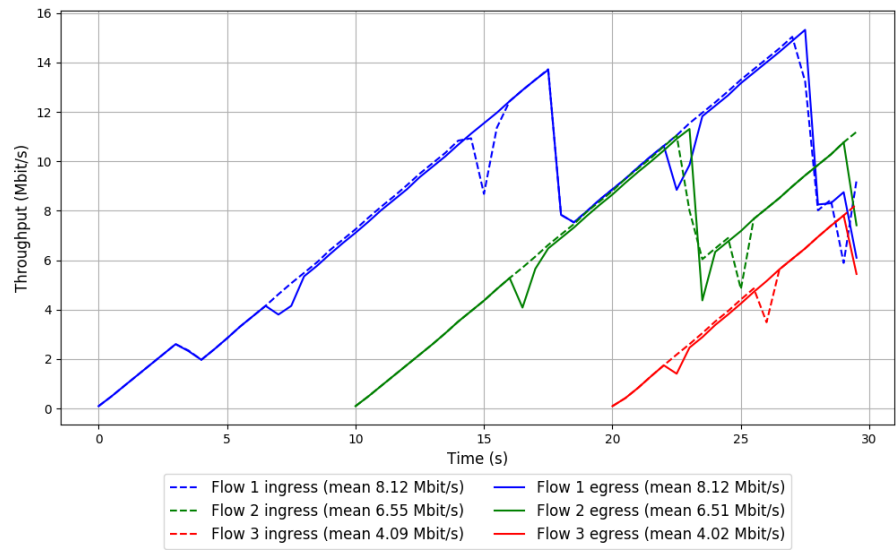


Run 8: Statistics of LEDBAT

Start at: 2017-09-08 00:21:49  
End at: 2017-09-08 00:22:19  
Local clock offset: 0.026 ms  
Remote clock offset: -6.123 ms

# Below is generated by plot.py at 2017-09-08 05:58:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.72 Mbit/s  
95th percentile per-packet one-way delay: 86.055 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 8.12 Mbit/s  
95th percentile per-packet one-way delay: 85.913 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 6.51 Mbit/s  
95th percentile per-packet one-way delay: 85.456 ms  
Loss rate: 1.46%  
-- Flow 3:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 86.269 ms  
Loss rate: 3.48%

# Run 8: Report of LEDBAT — Data Link

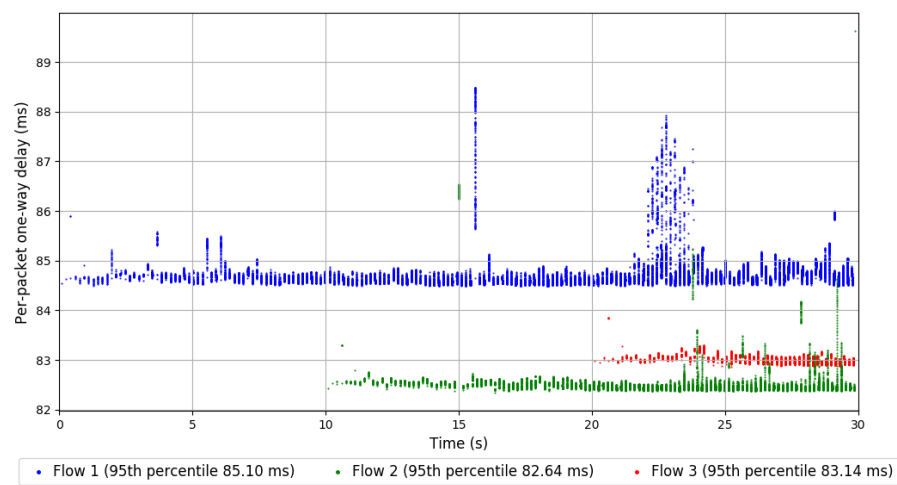
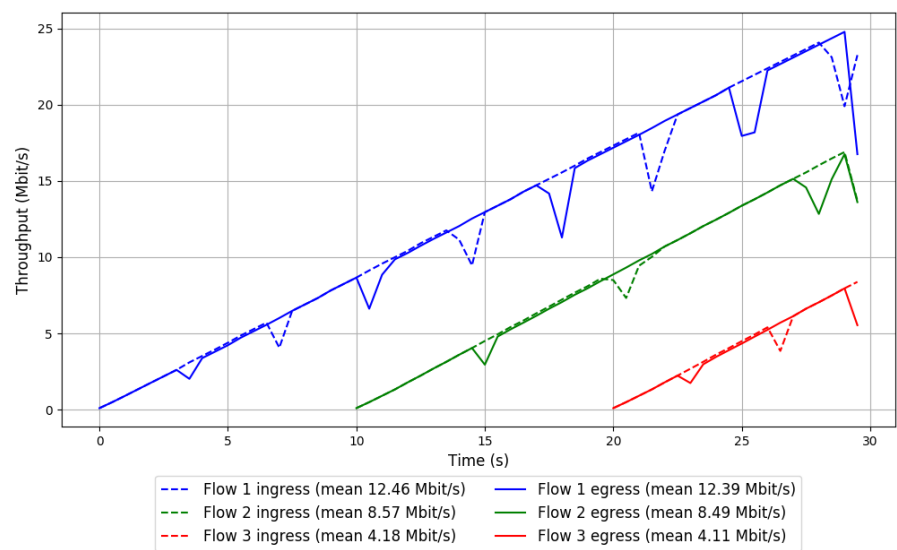


Run 9: Statistics of LEDBAT

Start at: 2017-09-08 00:42:55  
End at: 2017-09-08 00:43:25  
Local clock offset: 0.274 ms  
Remote clock offset: -3.357 ms

# Below is generated by plot.py at 2017-09-08 05:58:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.32 Mbit/s  
95th percentile per-packet one-way delay: 84.979 ms  
Loss rate: 1.46%  
-- Flow 1:  
Average throughput: 12.39 Mbit/s  
95th percentile per-packet one-way delay: 85.097 ms  
Loss rate: 1.14%  
-- Flow 2:  
Average throughput: 8.49 Mbit/s  
95th percentile per-packet one-way delay: 82.639 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 4.11 Mbit/s  
95th percentile per-packet one-way delay: 83.140 ms  
Loss rate: 3.44%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-08 01:04:32

End at: 2017-09-08 01:05:02

Local clock offset: 0.059 ms

Remote clock offset: -7.63 ms

# Below is generated by plot.py at 2017-09-08 05:58:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 14.51 Mbit/s

95th percentile per-packet one-way delay: 87.532 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 86.639 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 87.927 ms

Loss rate: 1.71%

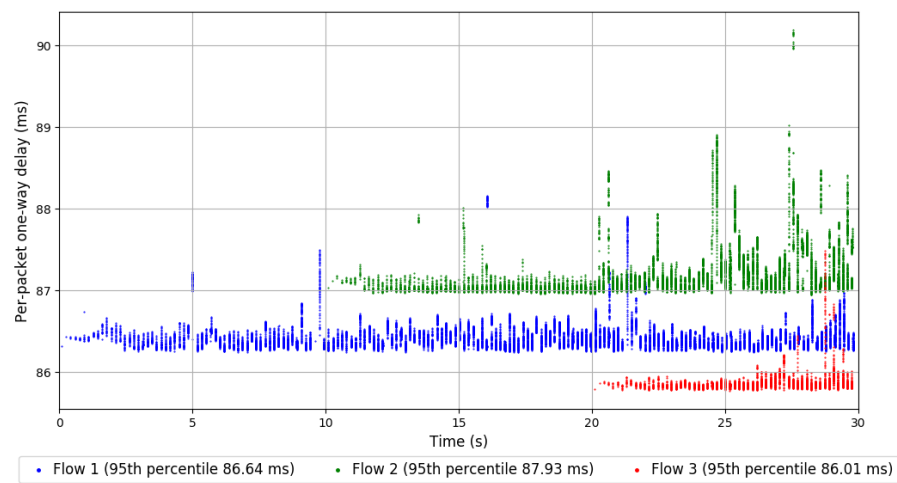
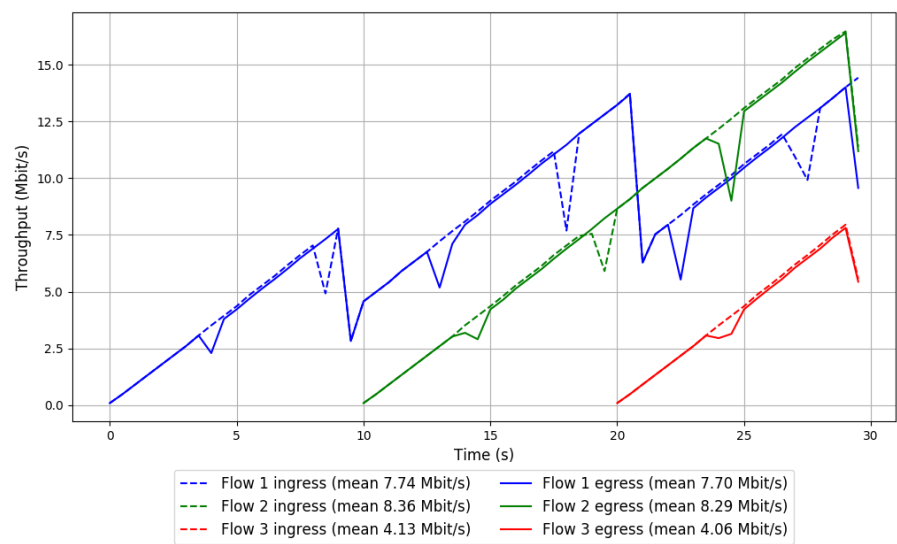
-- Flow 3:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 86.009 ms

Loss rate: 3.47%

Run 10: Report of LEDBAT — Data Link

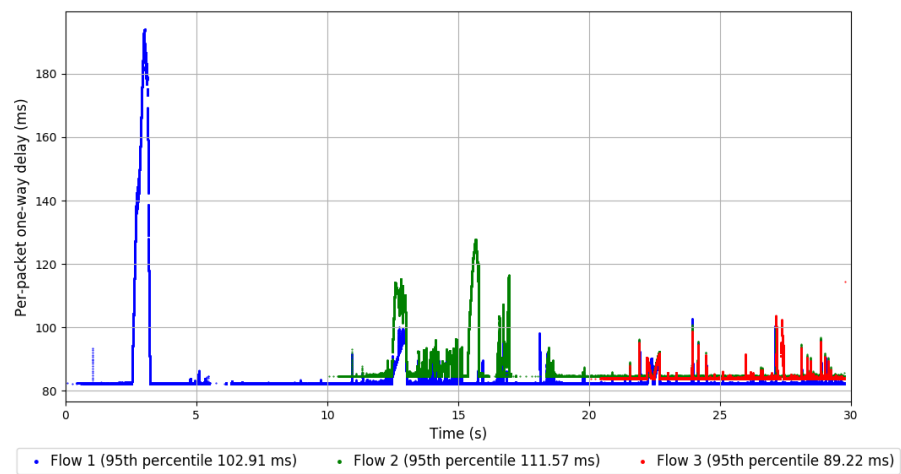
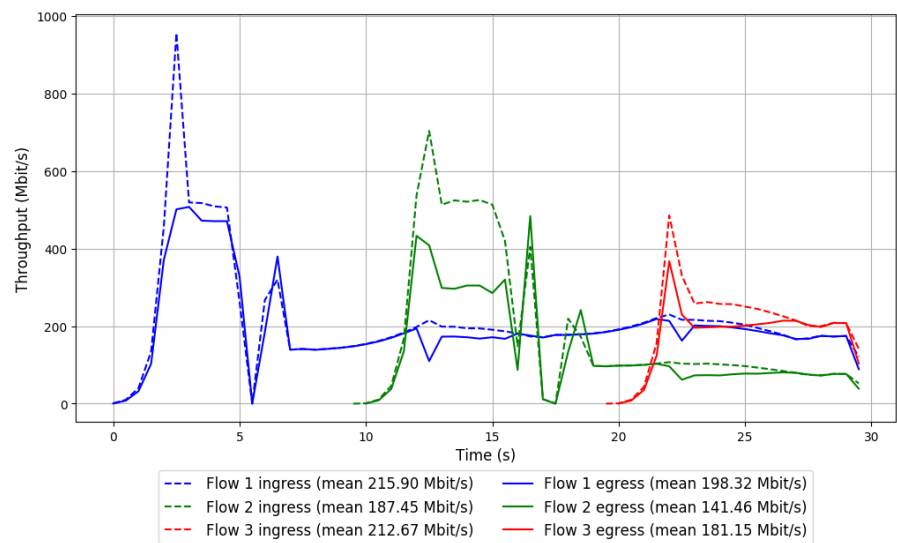


Run 1: Statistics of PCC

Start at: 2017-09-07 22:08:48  
End at: 2017-09-07 22:09:18  
Local clock offset: 0.02 ms  
Remote clock offset: -2.474 ms

# Below is generated by plot.py at 2017-09-08 05:59:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 351.13 Mbit/s  
95th percentile per-packet one-way delay: 107.478 ms  
Loss rate: 14.94%  
-- Flow 1:  
Average throughput: 198.32 Mbit/s  
95th percentile per-packet one-way delay: 102.913 ms  
Loss rate: 8.66%  
-- Flow 2:  
Average throughput: 141.46 Mbit/s  
95th percentile per-packet one-way delay: 111.568 ms  
Loss rate: 25.18%  
-- Flow 3:  
Average throughput: 181.15 Mbit/s  
95th percentile per-packet one-way delay: 89.218 ms  
Loss rate: 16.05%

Run 1: Report of PCC — Data Link

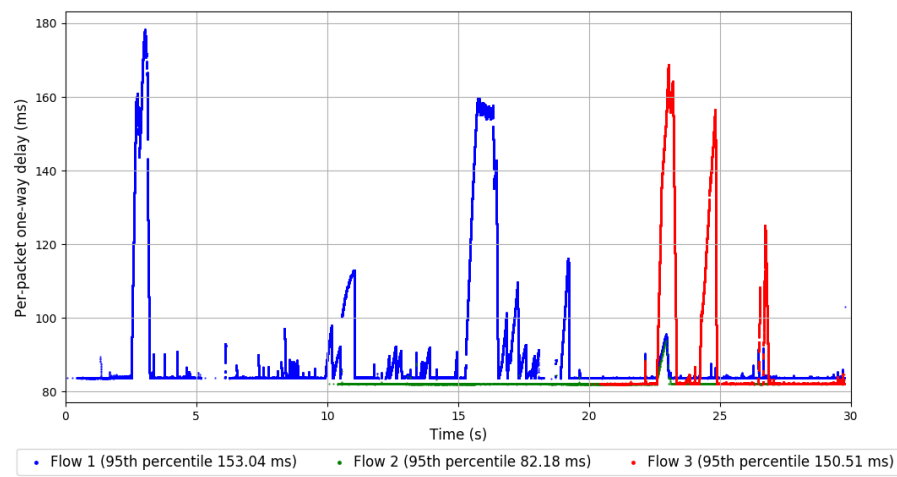
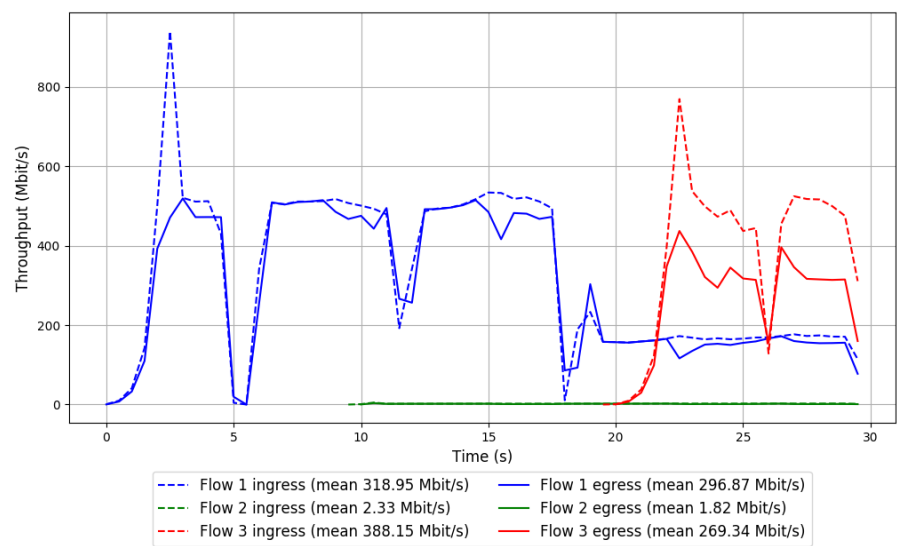


Run 2: Statistics of PCC

Start at: 2017-09-07 22:30:10  
End at: 2017-09-07 22:30:40  
Local clock offset: -0.06 ms  
Remote clock offset: -2.137 ms

# Below is generated by plot.py at 2017-09-08 05:59:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 385.95 Mbit/s  
95th percentile per-packet one-way delay: 151.933 ms  
Loss rate: 14.42%  
-- Flow 1:  
Average throughput: 296.87 Mbit/s  
95th percentile per-packet one-way delay: 153.043 ms  
Loss rate: 7.40%  
-- Flow 2:  
Average throughput: 1.82 Mbit/s  
95th percentile per-packet one-way delay: 82.176 ms  
Loss rate: 22.50%  
-- Flow 3:  
Average throughput: 269.34 Mbit/s  
95th percentile per-packet one-way delay: 150.506 ms  
Loss rate: 31.79%

Run 2: Report of PCC — Data Link

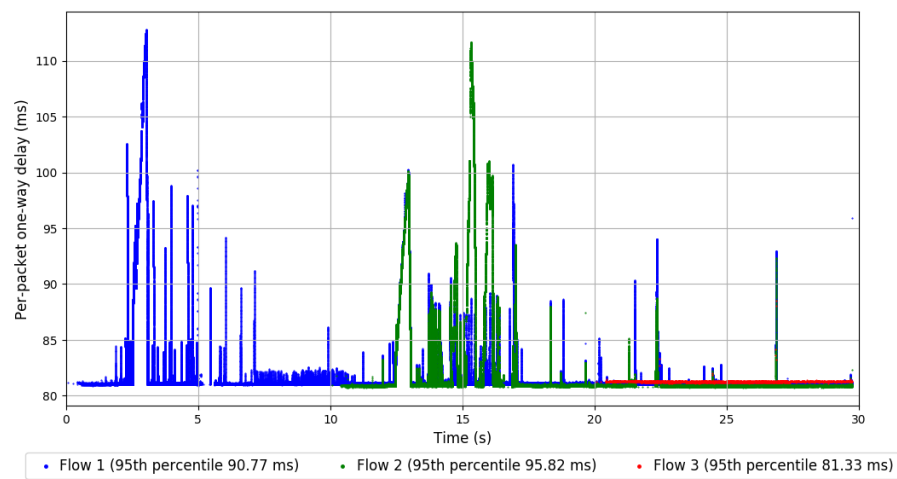
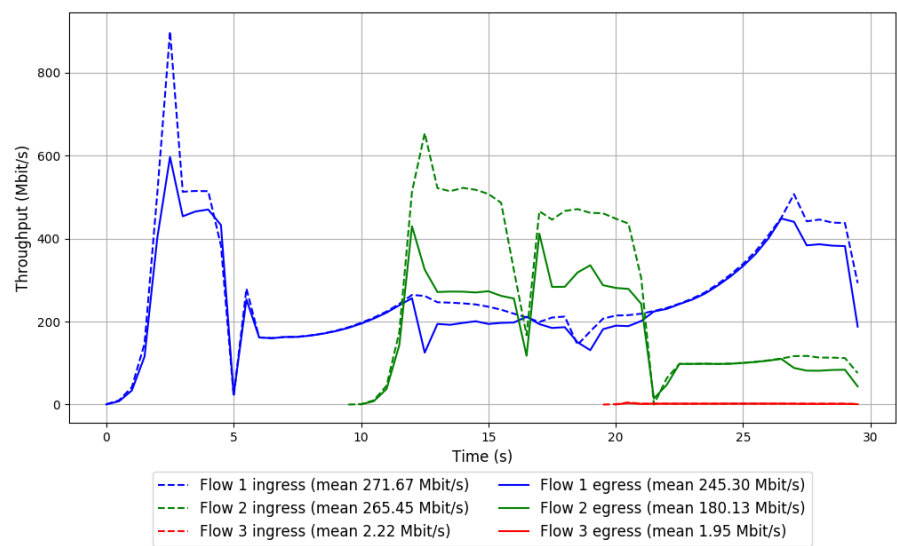


Run 3: Statistics of PCC

Start at: 2017-09-07 22:51:53  
End at: 2017-09-07 22:52:23  
Local clock offset: -0.027 ms  
Remote clock offset: -1.242 ms

# Below is generated by plot.py at 2017-09-08 05:59:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 365.46 Mbit/s  
95th percentile per-packet one-way delay: 92.506 ms  
Loss rate: 19.05%  
-- Flow 1:  
Average throughput: 245.30 Mbit/s  
95th percentile per-packet one-way delay: 90.769 ms  
Loss rate: 10.18%  
-- Flow 2:  
Average throughput: 180.13 Mbit/s  
95th percentile per-packet one-way delay: 95.818 ms  
Loss rate: 32.71%  
-- Flow 3:  
Average throughput: 1.95 Mbit/s  
95th percentile per-packet one-way delay: 81.329 ms  
Loss rate: 13.94%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-07 23:13:33

End at: 2017-09-07 23:14:03

Local clock offset: -0.097 ms

Remote clock offset: -1.32 ms

# Below is generated by plot.py at 2017-09-08 06:00:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 377.85 Mbit/s

95th percentile per-packet one-way delay: 86.300 ms

Loss rate: 8.00%

-- Flow 1:

Average throughput: 342.88 Mbit/s

95th percentile per-packet one-way delay: 86.740 ms

Loss rate: 7.18%

-- Flow 2:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 81.766 ms

Loss rate: 13.20%

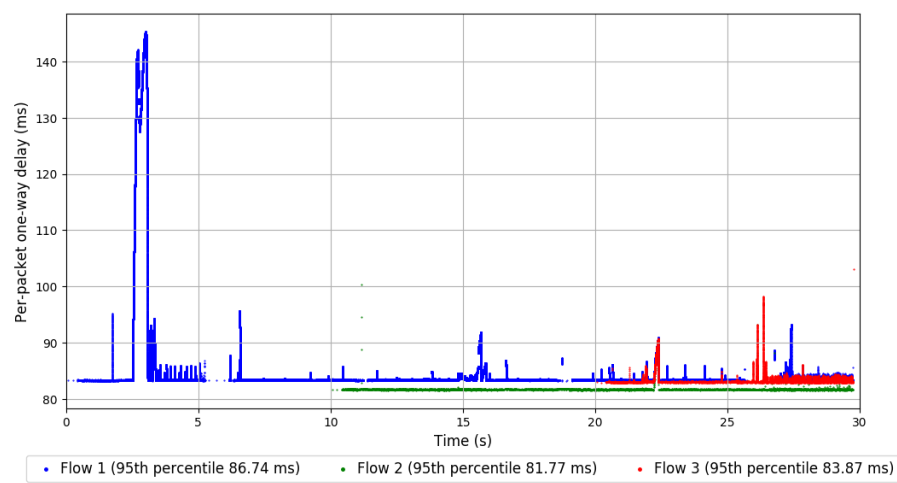
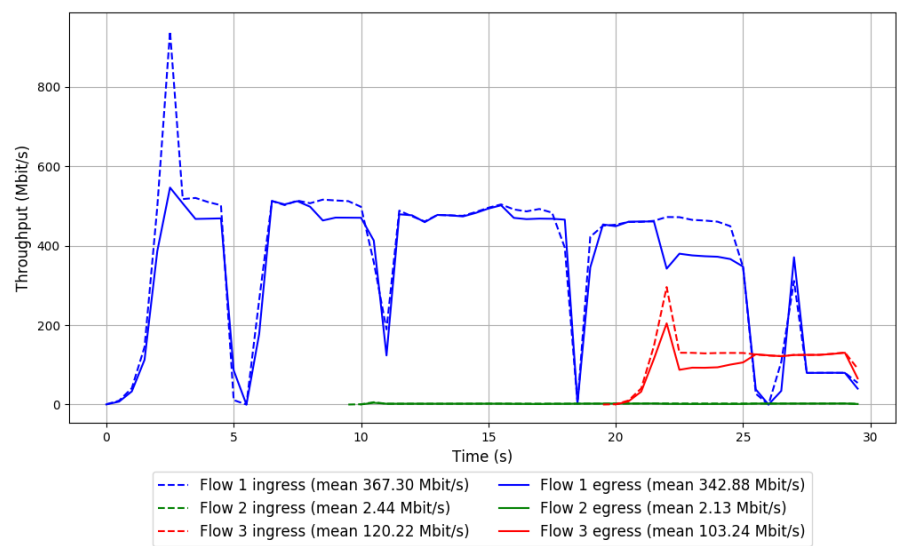
-- Flow 3:

Average throughput: 103.24 Mbit/s

95th percentile per-packet one-way delay: 83.873 ms

Loss rate: 15.43%

Run 4: Report of PCC — Data Link

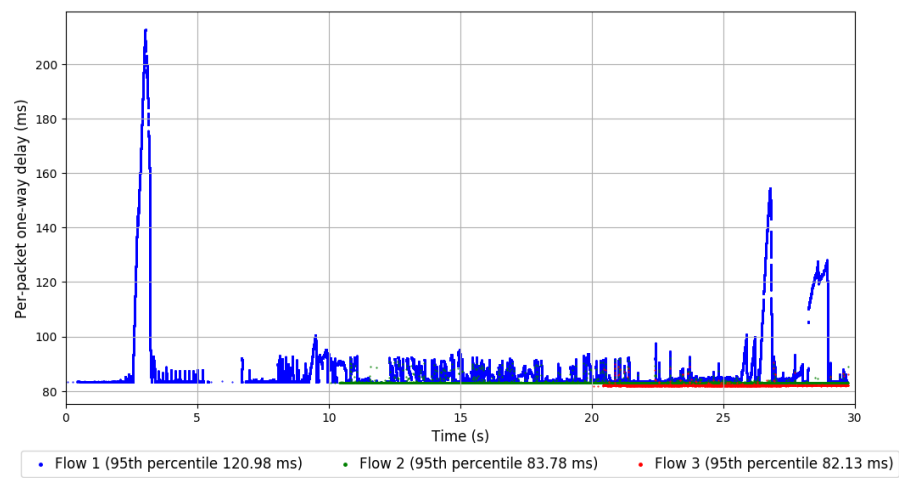
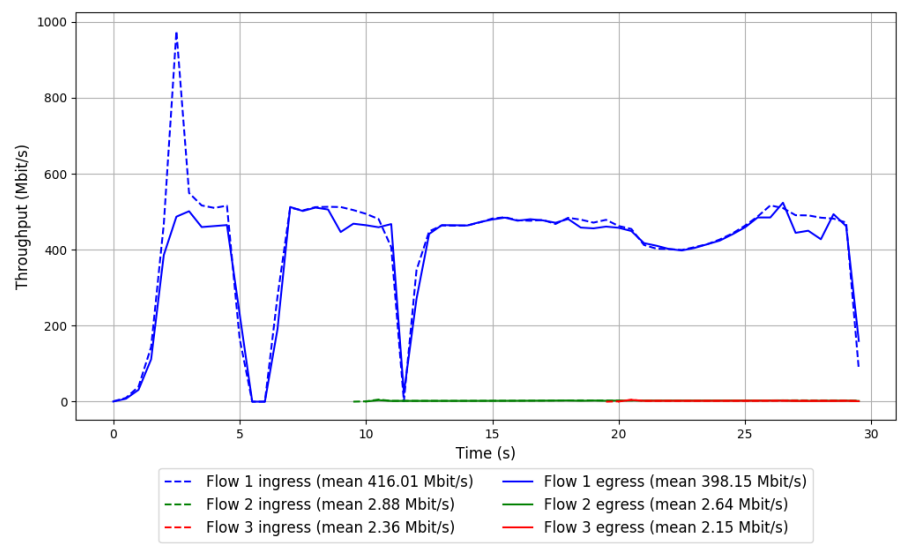


Run 5: Statistics of PCC

Start at: 2017-09-07 23:35:37  
End at: 2017-09-07 23:36:07  
Local clock offset: 0.013 ms  
Remote clock offset: -1.591 ms

# Below is generated by plot.py at 2017-09-08 06:00:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 400.19 Mbit/s  
95th percentile per-packet one-way delay: 120.912 ms  
Loss rate: 4.67%  
-- Flow 1:  
Average throughput: 398.15 Mbit/s  
95th percentile per-packet one-way delay: 120.985 ms  
Loss rate: 4.64%  
-- Flow 2:  
Average throughput: 2.64 Mbit/s  
95th percentile per-packet one-way delay: 83.777 ms  
Loss rate: 8.86%  
-- Flow 3:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 82.134 ms  
Loss rate: 10.44%

Run 5: Report of PCC — Data Link

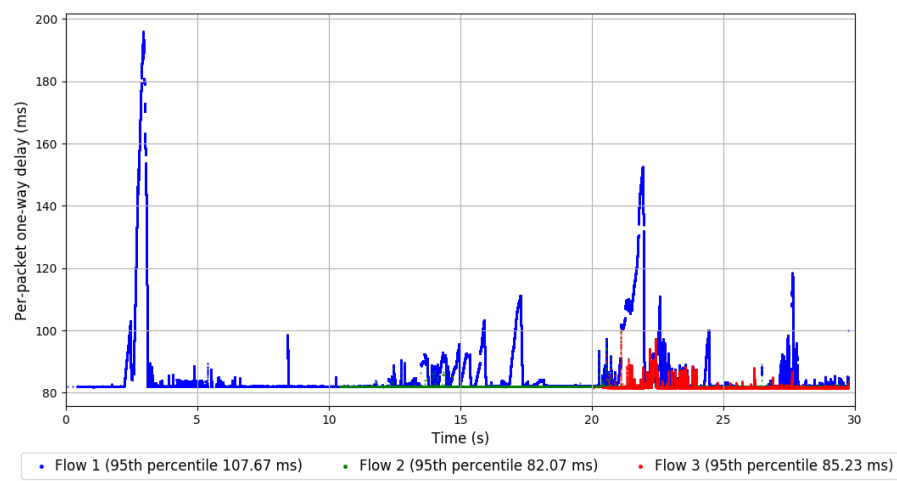
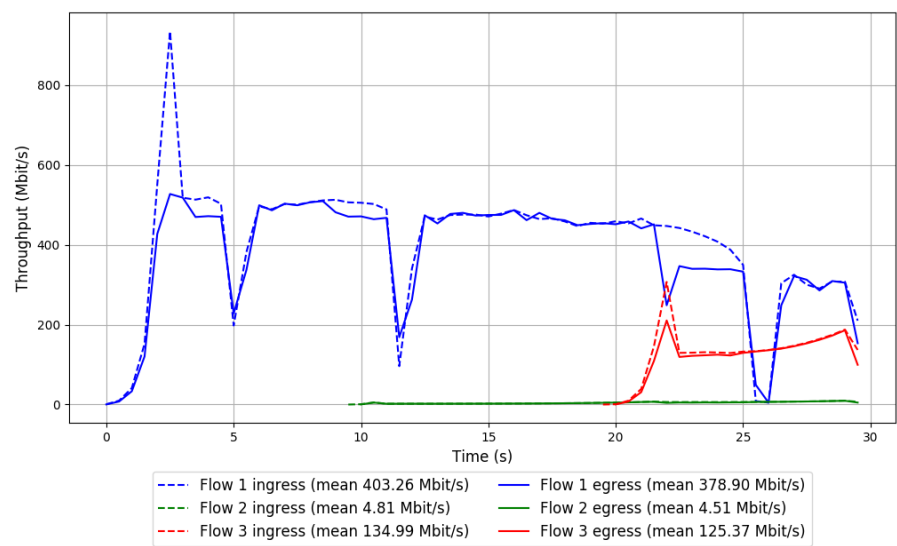


Run 6: Statistics of PCC

Start at: 2017-09-07 23:57:08  
End at: 2017-09-07 23:57:38  
Local clock offset: 0.004 ms  
Remote clock offset: -1.796 ms

# Below is generated by plot.py at 2017-09-08 06:00:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 422.80 Mbit/s  
95th percentile per-packet one-way delay: 106.272 ms  
Loss rate: 6.75%  
-- Flow 1:  
Average throughput: 378.90 Mbit/s  
95th percentile per-packet one-way delay: 107.667 ms  
Loss rate: 6.53%  
-- Flow 2:  
Average throughput: 4.51 Mbit/s  
95th percentile per-packet one-way delay: 82.074 ms  
Loss rate: 6.97%  
-- Flow 3:  
Average throughput: 125.37 Mbit/s  
95th percentile per-packet one-way delay: 85.229 ms  
Loss rate: 8.71%

Run 6: Report of PCC — Data Link

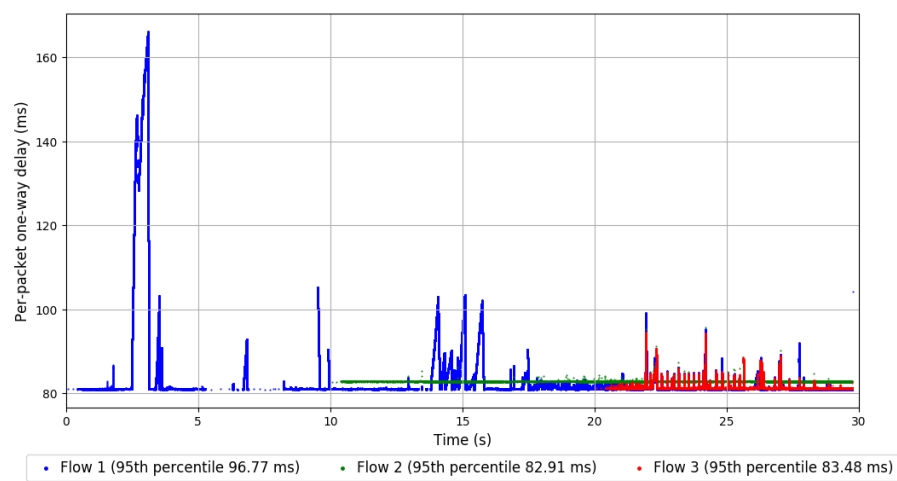
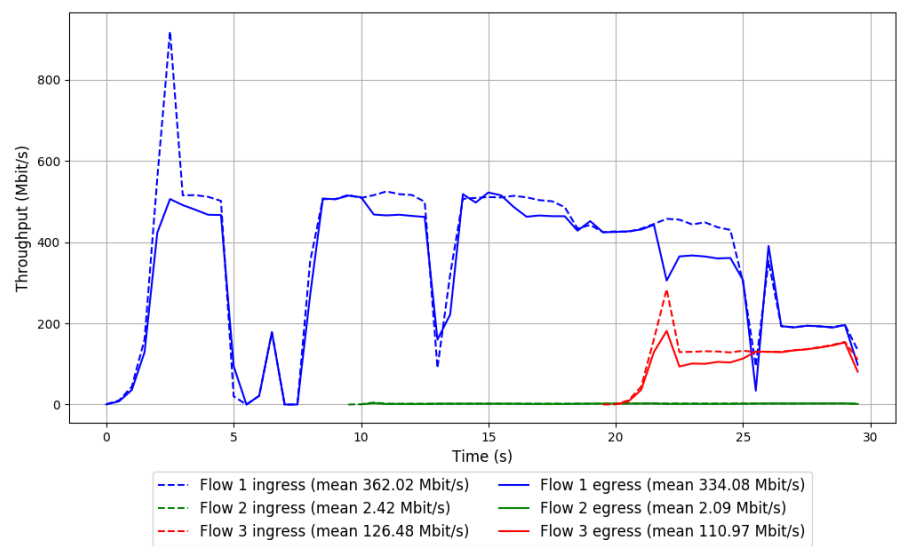


Run 7: Statistics of PCC

Start at: 2017-09-08 00:18:42  
End at: 2017-09-08 00:19:12  
Local clock offset: -0.032 ms  
Remote clock offset: -2.148 ms

# Below is generated by plot.py at 2017-09-08 06:01:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 371.65 Mbit/s  
95th percentile per-packet one-way delay: 94.962 ms  
Loss rate: 8.79%  
-- Flow 1:  
Average throughput: 334.08 Mbit/s  
95th percentile per-packet one-way delay: 96.769 ms  
Loss rate: 8.19%  
-- Flow 2:  
Average throughput: 2.09 Mbit/s  
95th percentile per-packet one-way delay: 82.908 ms  
Loss rate: 14.51%  
-- Flow 3:  
Average throughput: 110.97 Mbit/s  
95th percentile per-packet one-way delay: 83.484 ms  
Loss rate: 13.79%

Run 7: Report of PCC — Data Link

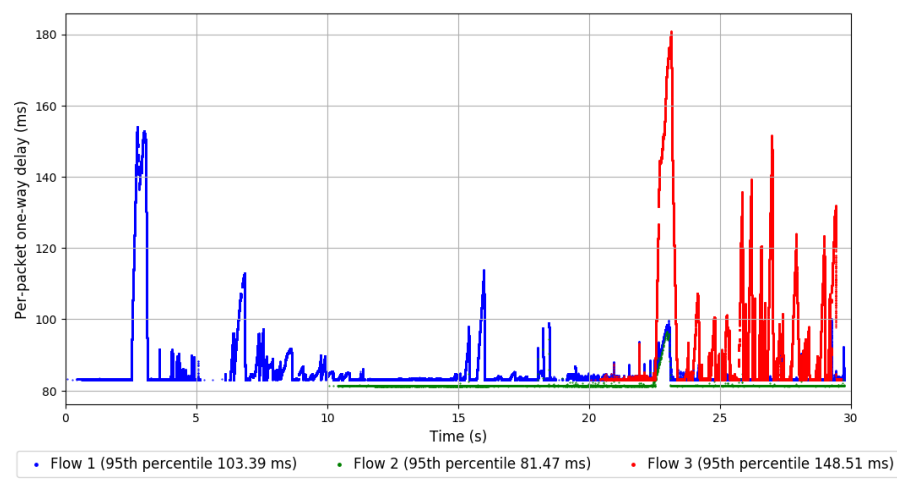
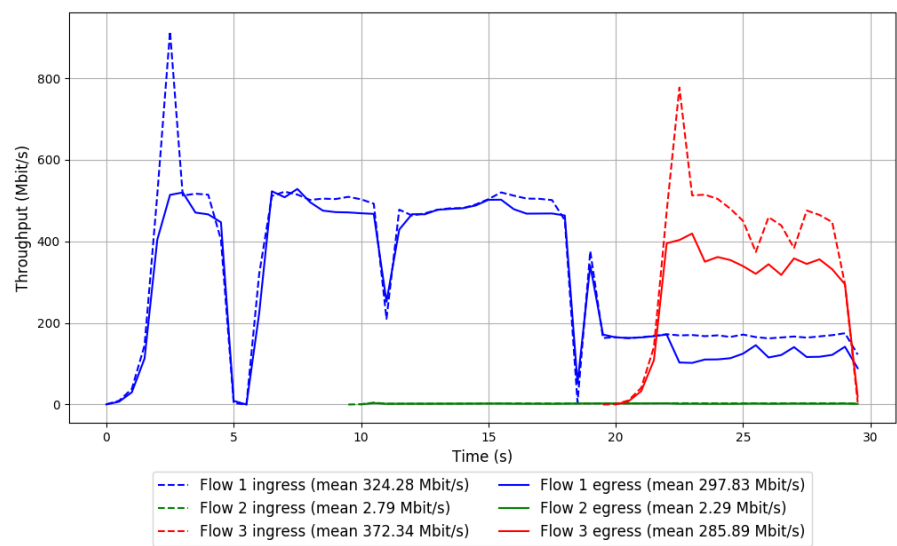


Run 8: Statistics of PCC

Start at: 2017-09-08 00:39:41  
End at: 2017-09-08 00:40:11  
Local clock offset: 0.069 ms  
Remote clock offset: -2.429 ms

# Below is generated by plot.py at 2017-09-08 06:01:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 391.36 Mbit/s  
95th percentile per-packet one-way delay: 122.052 ms  
Loss rate: 13.06%  
-- Flow 1:  
Average throughput: 297.83 Mbit/s  
95th percentile per-packet one-way delay: 103.387 ms  
Loss rate: 8.68%  
-- Flow 2:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 81.465 ms  
Loss rate: 18.54%  
-- Flow 3:  
Average throughput: 285.89 Mbit/s  
95th percentile per-packet one-way delay: 148.511 ms  
Loss rate: 24.68%

Run 8: Report of PCC — Data Link

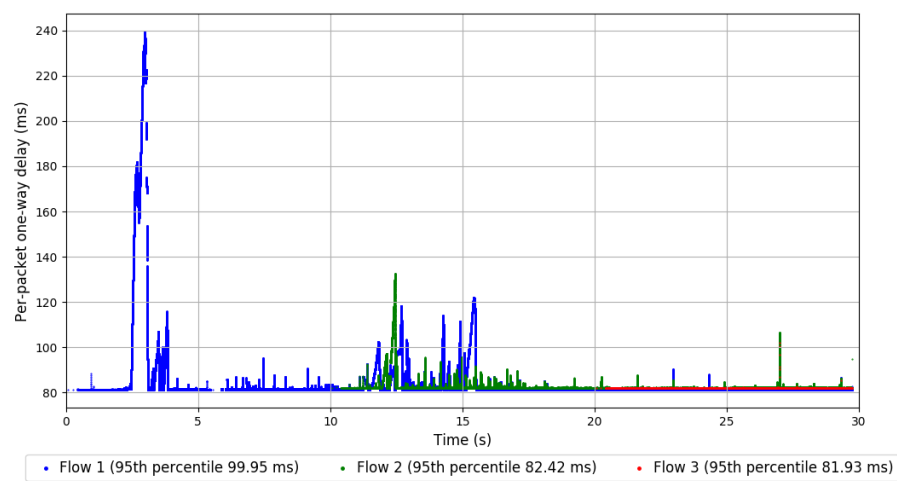
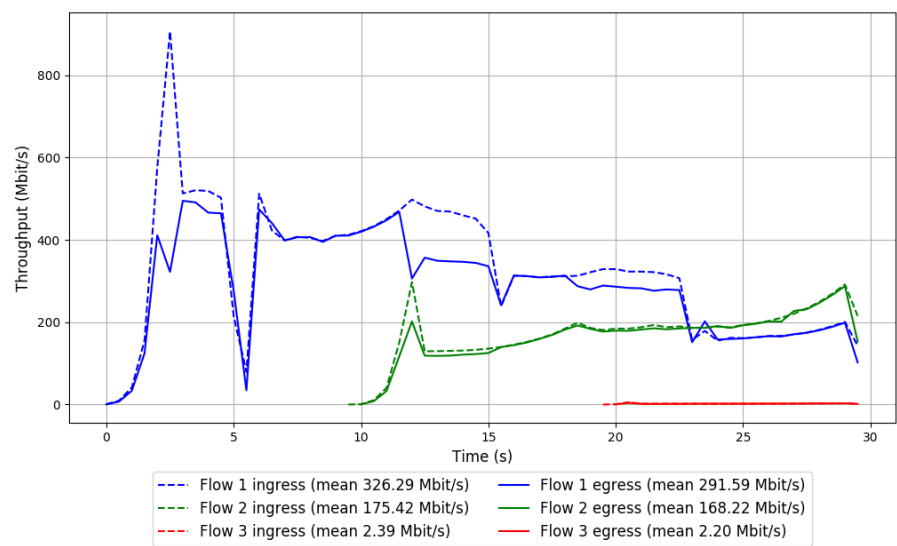


Run 9: Statistics of PCC

Start at: 2017-09-08 01:01:22  
End at: 2017-09-08 01:01:52  
Local clock offset: 0.029 ms  
Remote clock offset: -2.776 ms

# Below is generated by plot.py at 2017-09-08 06:02:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 403.88 Mbit/s  
95th percentile per-packet one-way delay: 96.308 ms  
Loss rate: 9.49%  
-- Flow 1:  
Average throughput: 291.59 Mbit/s  
95th percentile per-packet one-way delay: 99.946 ms  
Loss rate: 11.14%  
-- Flow 2:  
Average throughput: 168.22 Mbit/s  
95th percentile per-packet one-way delay: 82.419 ms  
Loss rate: 4.87%  
-- Flow 3:  
Average throughput: 2.20 Mbit/s  
95th percentile per-packet one-way delay: 81.929 ms  
Loss rate: 9.42%

Run 9: Report of PCC — Data Link

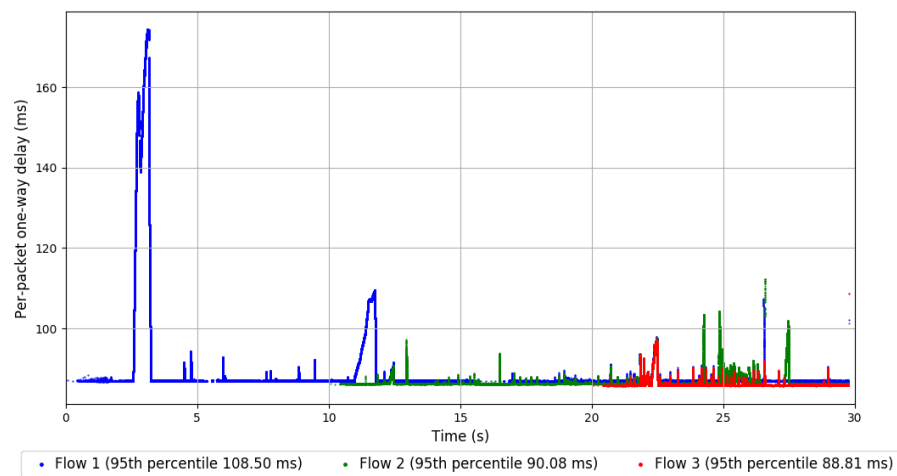
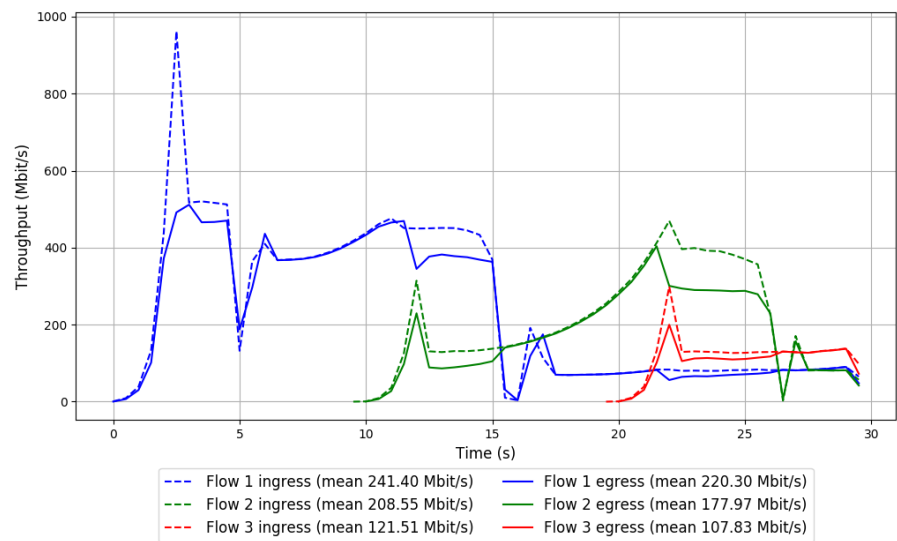


Run 10: Statistics of PCC

Start at: 2017-09-08 01:23:01  
End at: 2017-09-08 01:23:31  
Local clock offset: 0.09 ms  
Remote clock offset: -7.828 ms

# Below is generated by plot.py at 2017-09-08 06:02:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 373.53 Mbit/s  
95th percentile per-packet one-way delay: 97.458 ms  
Loss rate: 11.57%  
-- Flow 1:  
Average throughput: 220.30 Mbit/s  
95th percentile per-packet one-way delay: 108.499 ms  
Loss rate: 9.23%  
-- Flow 2:  
Average throughput: 177.97 Mbit/s  
95th percentile per-packet one-way delay: 90.080 ms  
Loss rate: 15.34%  
-- Flow 3:  
Average throughput: 107.83 Mbit/s  
95th percentile per-packet one-way delay: 88.813 ms  
Loss rate: 12.62%

Run 10: Report of PCC — Data Link

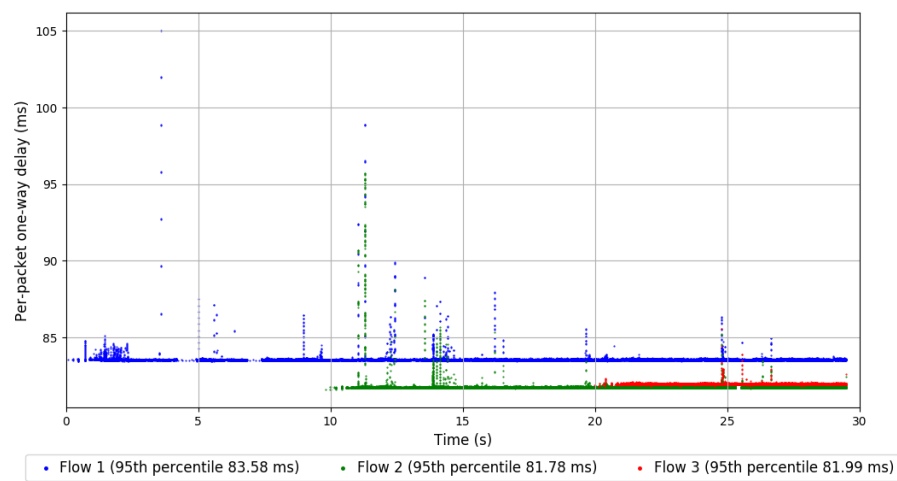
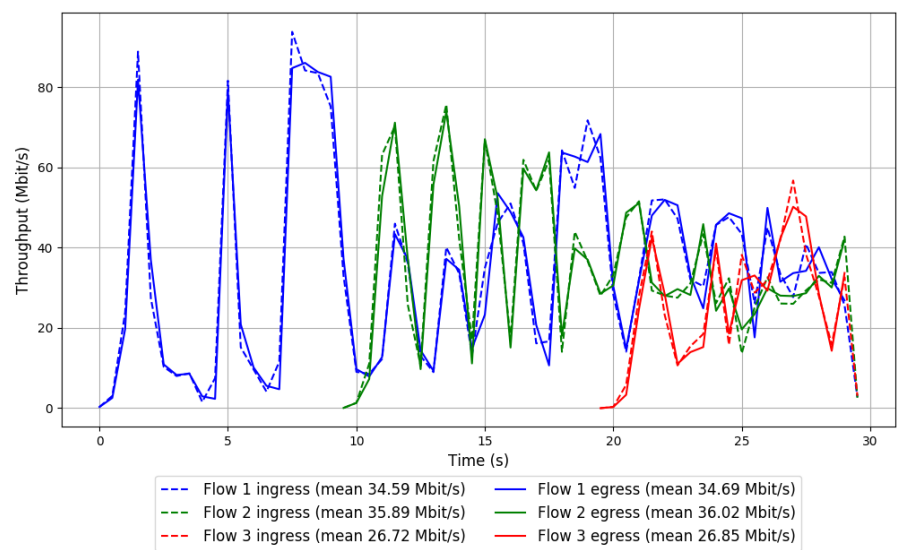


Run 1: Statistics of QUIC Cubic

Start at: 2017-09-07 21:53:00  
End at: 2017-09-07 21:53:30  
Local clock offset: -0.012 ms  
Remote clock offset: -1.813 ms

# Below is generated by plot.py at 2017-09-08 06:02:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 67.45 Mbit/s  
95th percentile per-packet one-way delay: 83.562 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 34.69 Mbit/s  
95th percentile per-packet one-way delay: 83.575 ms  
Loss rate: 0.30%  
-- Flow 2:  
Average throughput: 36.02 Mbit/s  
95th percentile per-packet one-way delay: 81.778 ms  
Loss rate: 0.50%  
-- Flow 3:  
Average throughput: 26.85 Mbit/s  
95th percentile per-packet one-way delay: 81.990 ms  
Loss rate: 1.26%

Run 1: Report of QUIC Cubic — Data Link

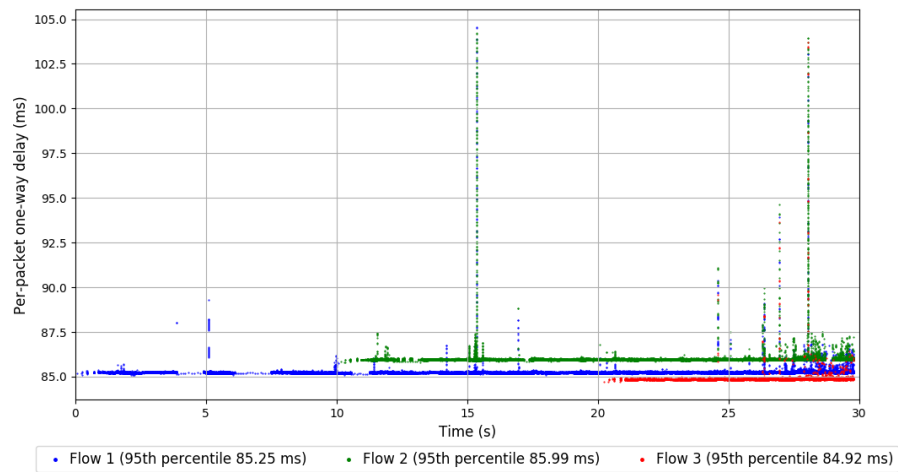
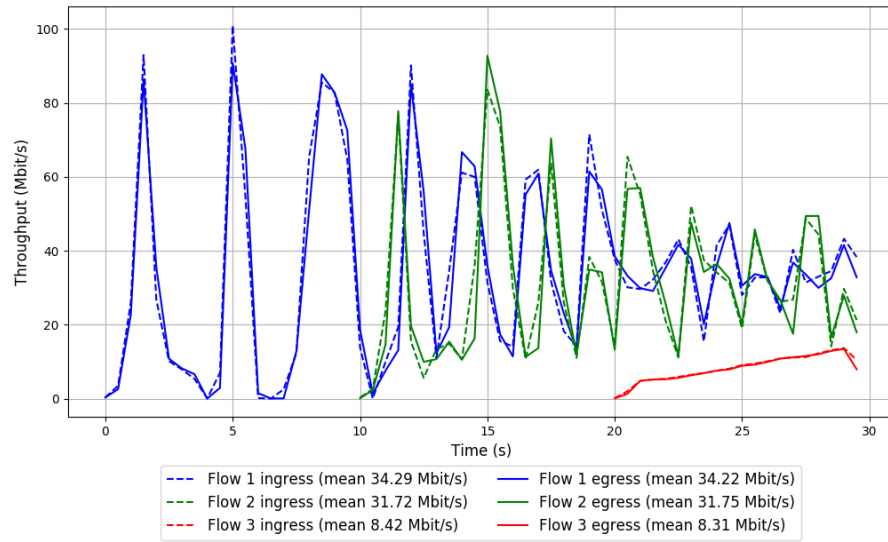


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-07 22:14:33  
End at: 2017-09-07 22:15:03  
Local clock offset: 0.013 ms  
Remote clock offset: -5.424 ms

# Below is generated by plot.py at 2017-09-08 06:02:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 57.87 Mbit/s  
95th percentile per-packet one-way delay: 85.966 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 34.22 Mbit/s  
95th percentile per-packet one-way delay: 85.254 ms  
Loss rate: 0.76%  
-- Flow 2:  
Average throughput: 31.75 Mbit/s  
95th percentile per-packet one-way delay: 85.990 ms  
Loss rate: 0.74%  
-- Flow 3:  
Average throughput: 8.31 Mbit/s  
95th percentile per-packet one-way delay: 84.923 ms  
Loss rate: 2.97%

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

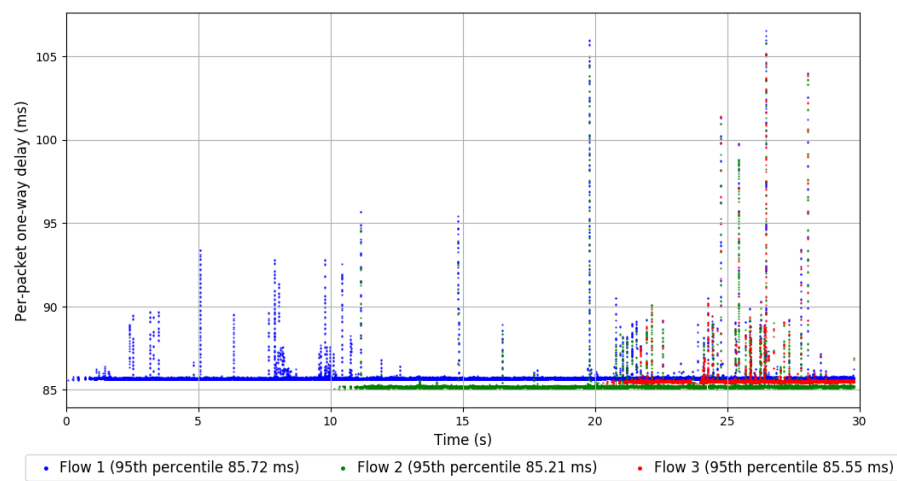
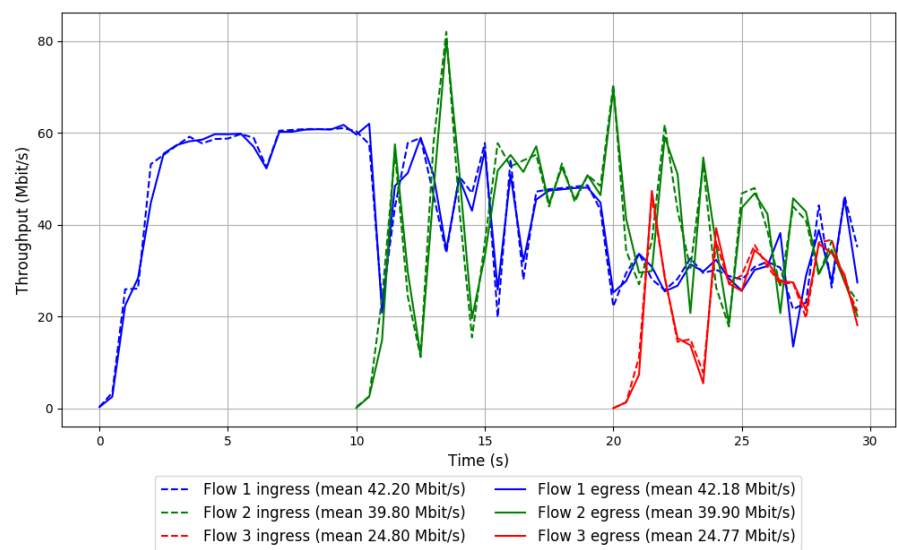


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-07 22:36:09  
End at: 2017-09-07 22:36:39  
Local clock offset: -0.036 ms  
Remote clock offset: -5.104 ms

# Below is generated by plot.py at 2017-09-08 06:02:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.49 Mbit/s  
95th percentile per-packet one-way delay: 85.705 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 42.18 Mbit/s  
95th percentile per-packet one-way delay: 85.716 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 39.90 Mbit/s  
95th percentile per-packet one-way delay: 85.213 ms  
Loss rate: 0.60%  
-- Flow 3:  
Average throughput: 24.77 Mbit/s  
95th percentile per-packet one-way delay: 85.548 ms  
Loss rate: 1.84%

Run 3: Report of QUIC Cubic — Data Link

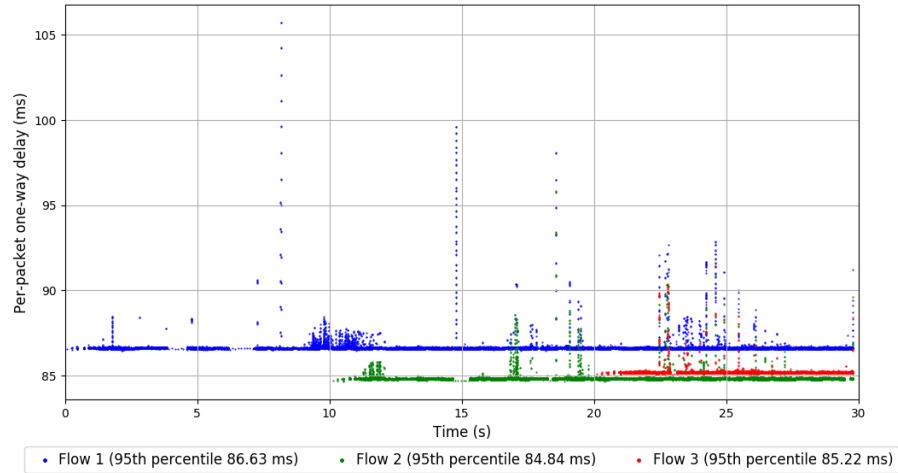
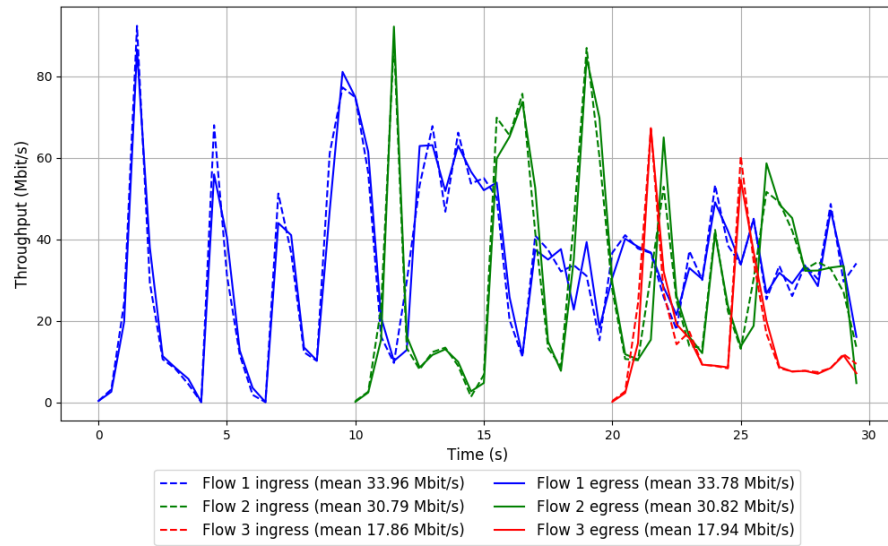


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-07 22:57:51  
End at: 2017-09-07 22:58:21  
Local clock offset: -0.035 ms  
Remote clock offset: -5.192 ms

# Below is generated by plot.py at 2017-09-08 06:02:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 60.01 Mbit/s  
95th percentile per-packet one-way delay: 86.620 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 33.78 Mbit/s  
95th percentile per-packet one-way delay: 86.632 ms  
Loss rate: 1.08%  
-- Flow 2:  
Average throughput: 30.82 Mbit/s  
95th percentile per-packet one-way delay: 84.838 ms  
Loss rate: 0.72%  
-- Flow 3:  
Average throughput: 17.94 Mbit/s  
95th percentile per-packet one-way delay: 85.222 ms  
Loss rate: 1.25%

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

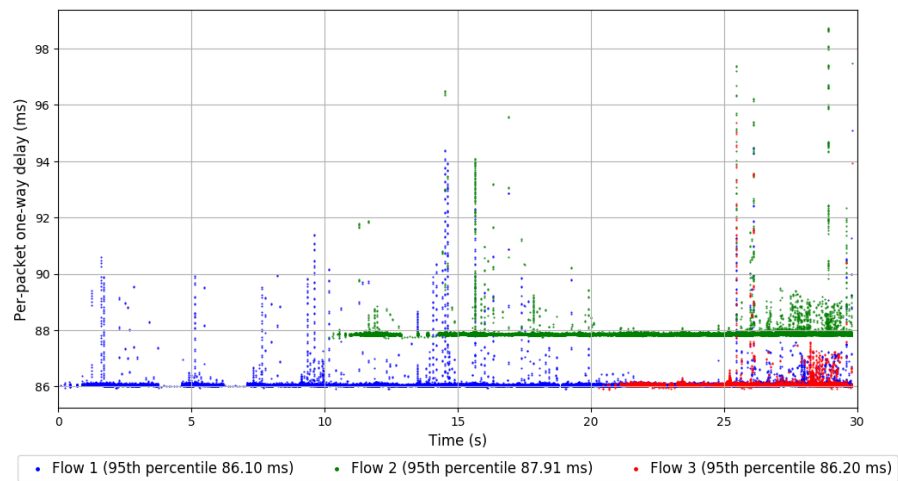
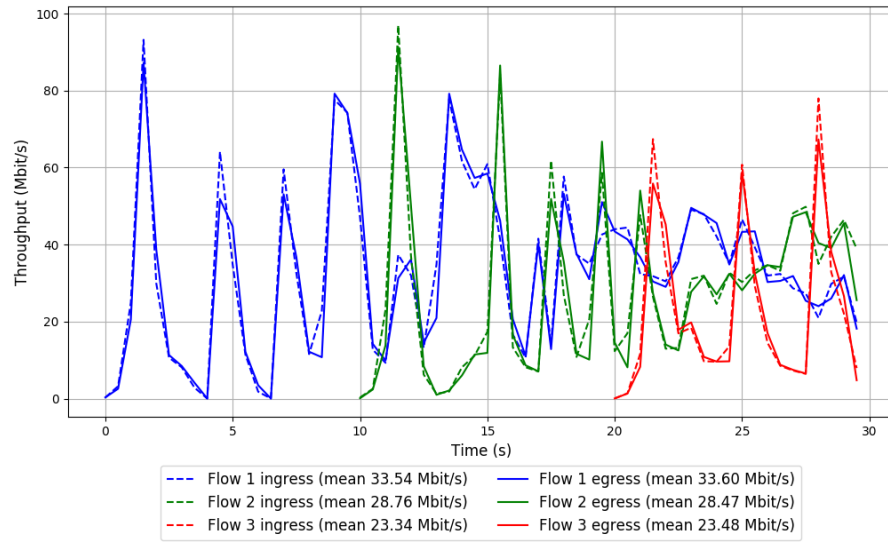


Run 5: Statistics of QUIC Cubic

Start at: 2017-09-07 23:19:34  
End at: 2017-09-07 23:20:04  
Local clock offset: -0.074 ms  
Remote clock offset: -6.248 ms

# Below is generated by plot.py at 2017-09-08 06:03:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 59.94 Mbit/s  
95th percentile per-packet one-way delay: 87.879 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 33.60 Mbit/s  
95th percentile per-packet one-way delay: 86.097 ms  
Loss rate: 0.37%  
-- Flow 2:  
Average throughput: 28.47 Mbit/s  
95th percentile per-packet one-way delay: 87.912 ms  
Loss rate: 1.78%  
-- Flow 3:  
Average throughput: 23.48 Mbit/s  
95th percentile per-packet one-way delay: 86.202 ms  
Loss rate: 1.11%

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

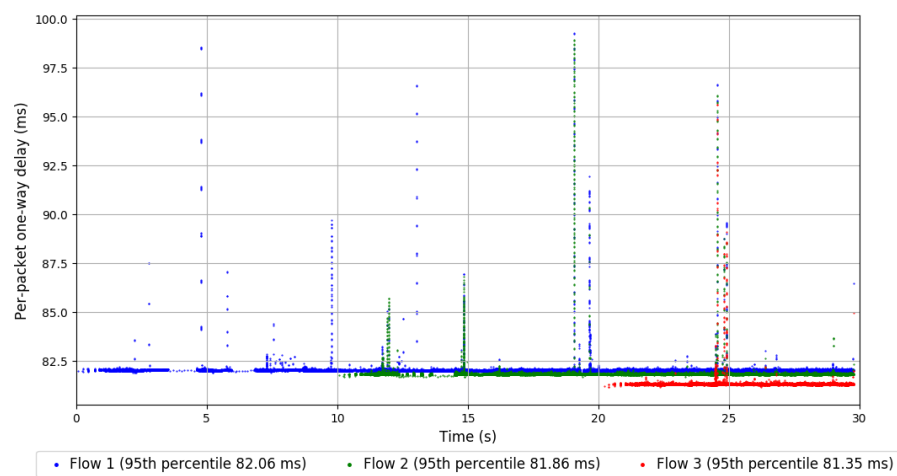
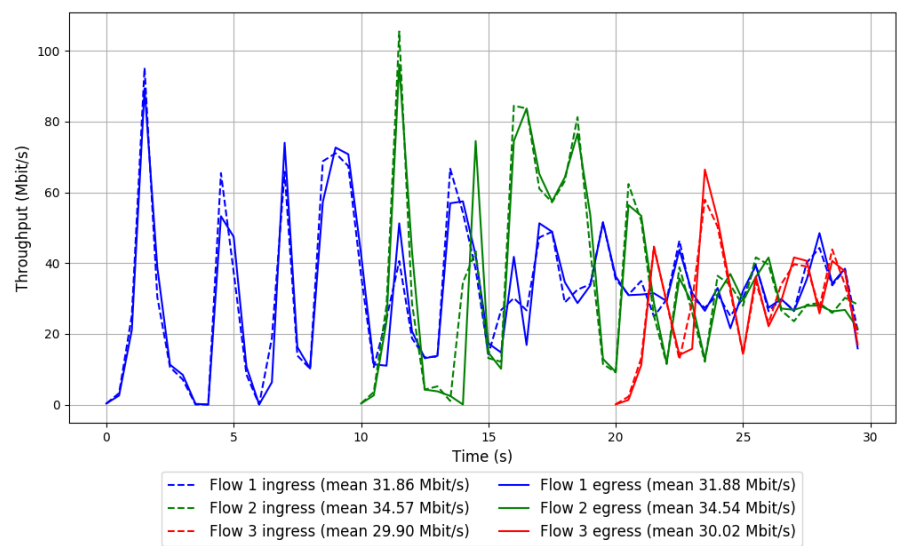


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-07 23:41:24  
End at: 2017-09-07 23:41:54  
Local clock offset: 0.021 ms  
Remote clock offset: -1.663 ms

# Below is generated by plot.py at 2017-09-08 06:03:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 64.43 Mbit/s  
95th percentile per-packet one-way delay: 82.043 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 31.88 Mbit/s  
95th percentile per-packet one-way delay: 82.055 ms  
Loss rate: 0.50%  
-- Flow 2:  
Average throughput: 34.54 Mbit/s  
95th percentile per-packet one-way delay: 81.861 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 30.02 Mbit/s  
95th percentile per-packet one-way delay: 81.350 ms  
Loss rate: 1.32%

Run 6: Report of QUIC Cubic — Data Link

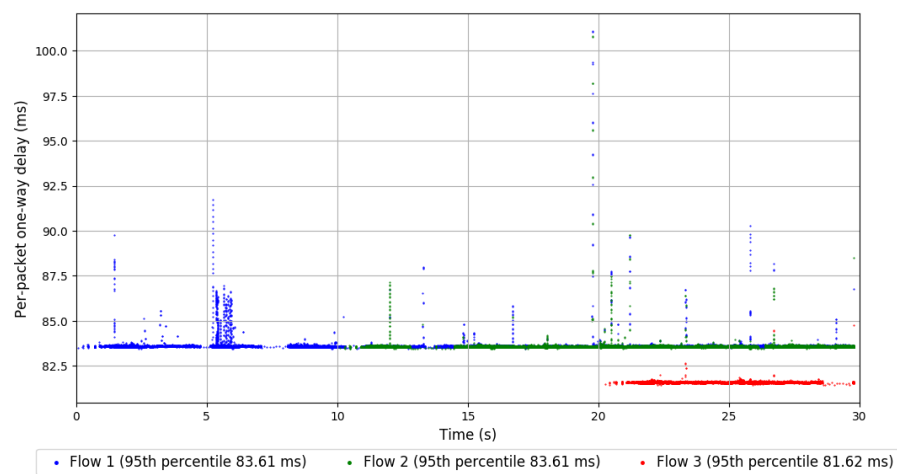
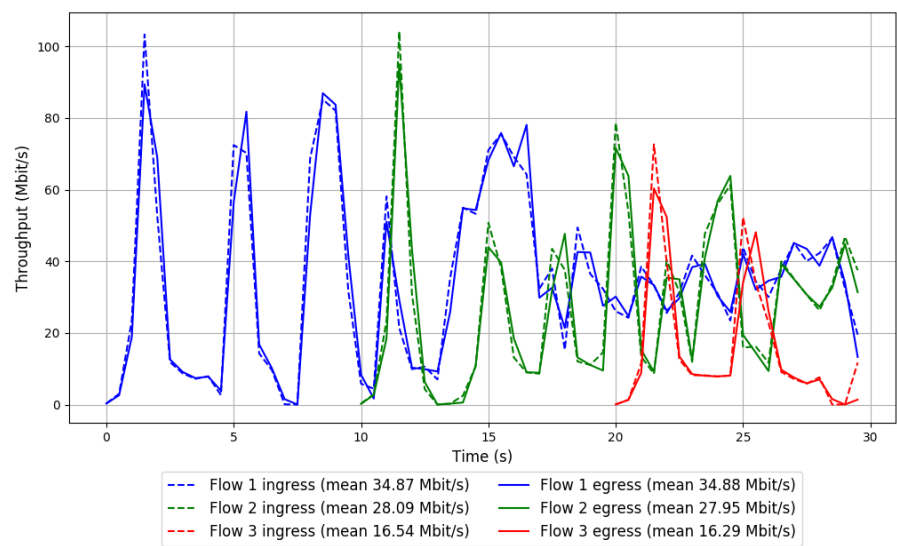


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-08 00:03:06  
End at: 2017-09-08 00:03:36  
Local clock offset: -0.005 ms  
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2017-09-08 06:03:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 58.61 Mbit/s  
95th percentile per-packet one-way delay: 83.607 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 34.88 Mbit/s  
95th percentile per-packet one-way delay: 83.609 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 27.95 Mbit/s  
95th percentile per-packet one-way delay: 83.606 ms  
Loss rate: 1.32%  
-- Flow 3:  
Average throughput: 16.29 Mbit/s  
95th percentile per-packet one-way delay: 81.622 ms  
Loss rate: 3.22%

Run 7: Report of QUIC Cubic — Data Link

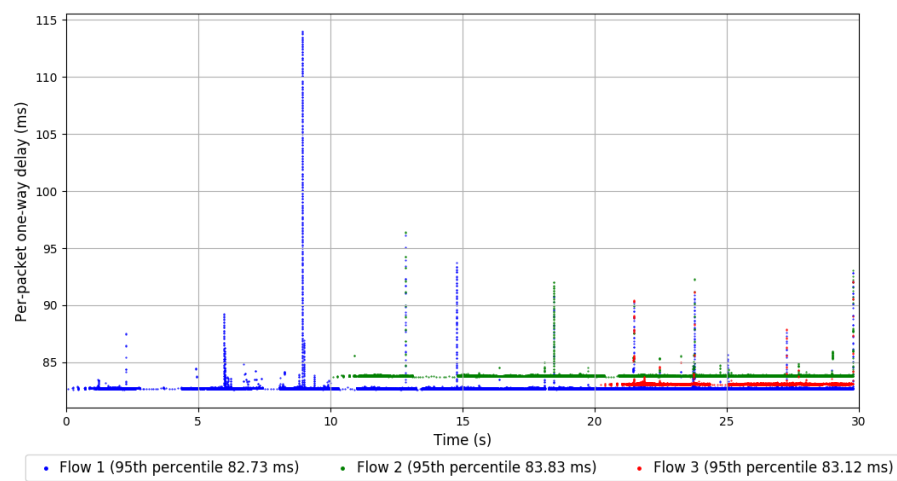
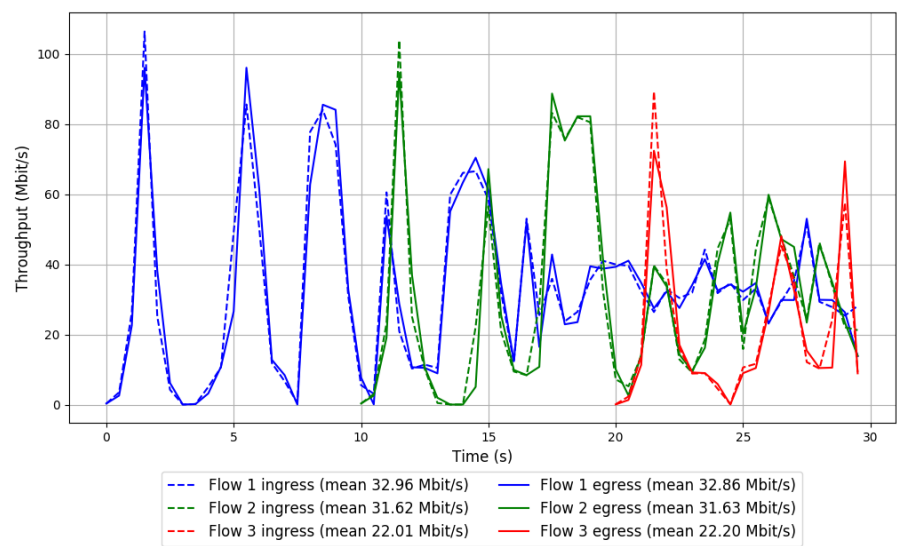


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-08 00:24:25  
End at: 2017-09-08 00:24:55  
Local clock offset: 0.022 ms  
Remote clock offset: -2.257 ms

# Below is generated by plot.py at 2017-09-08 06:03:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 60.95 Mbit/s  
95th percentile per-packet one-way delay: 83.814 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 32.86 Mbit/s  
95th percentile per-packet one-way delay: 82.727 ms  
Loss rate: 0.87%  
-- Flow 2:  
Average throughput: 31.63 Mbit/s  
95th percentile per-packet one-way delay: 83.832 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 22.20 Mbit/s  
95th percentile per-packet one-way delay: 83.124 ms  
Loss rate: 0.88%

Run 8: Report of QUIC Cubic — Data Link

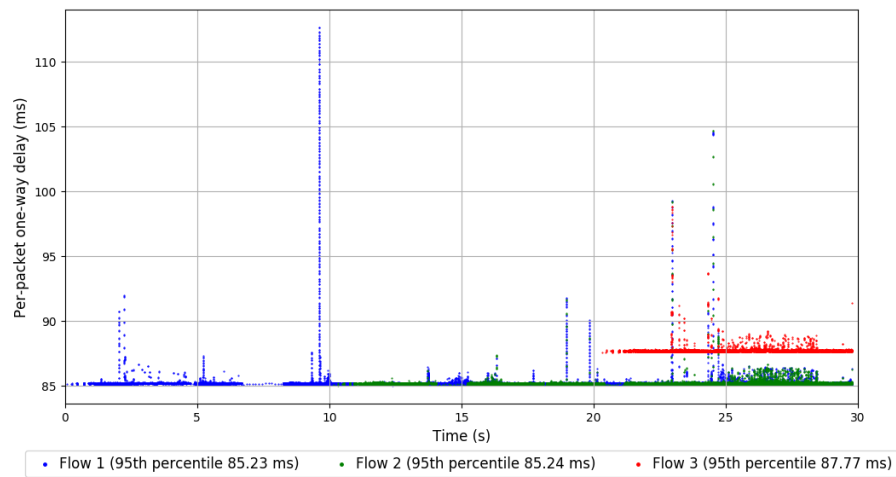
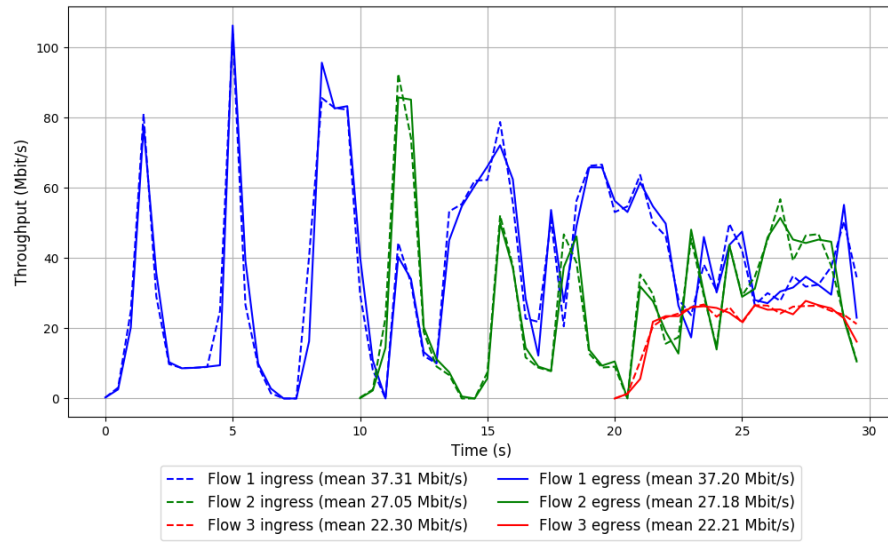


Run 9: Statistics of QUIC Cubic

Start at: 2017-09-08 00:45:35  
End at: 2017-09-08 00:46:05  
Local clock offset: 0.035 ms  
Remote clock offset: -6.412 ms

# Below is generated by plot.py at 2017-09-08 06:03:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.23 Mbit/s  
95th percentile per-packet one-way delay: 87.706 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 37.20 Mbit/s  
95th percentile per-packet one-way delay: 85.232 ms  
Loss rate: 0.83%  
-- Flow 2:  
Average throughput: 27.18 Mbit/s  
95th percentile per-packet one-way delay: 85.241 ms  
Loss rate: 0.38%  
-- Flow 3:  
Average throughput: 22.21 Mbit/s  
95th percentile per-packet one-way delay: 87.770 ms  
Loss rate: 2.16%

# Run 9: Report of QUIC Cubic — Data Link

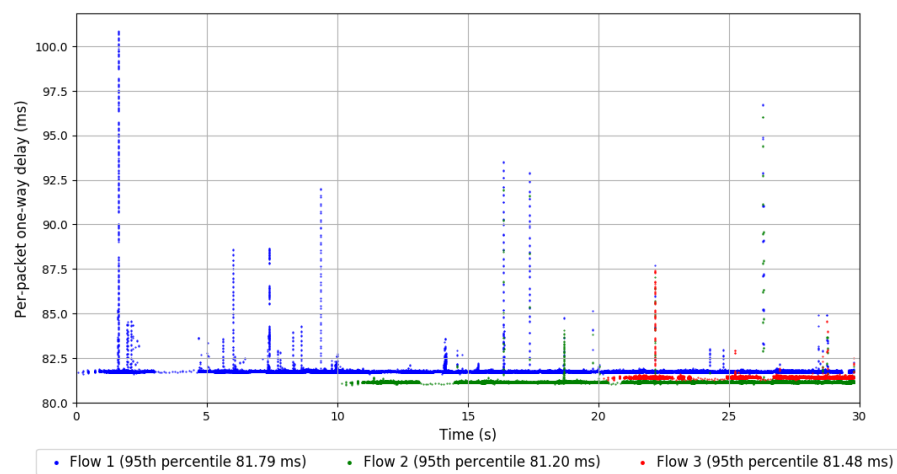
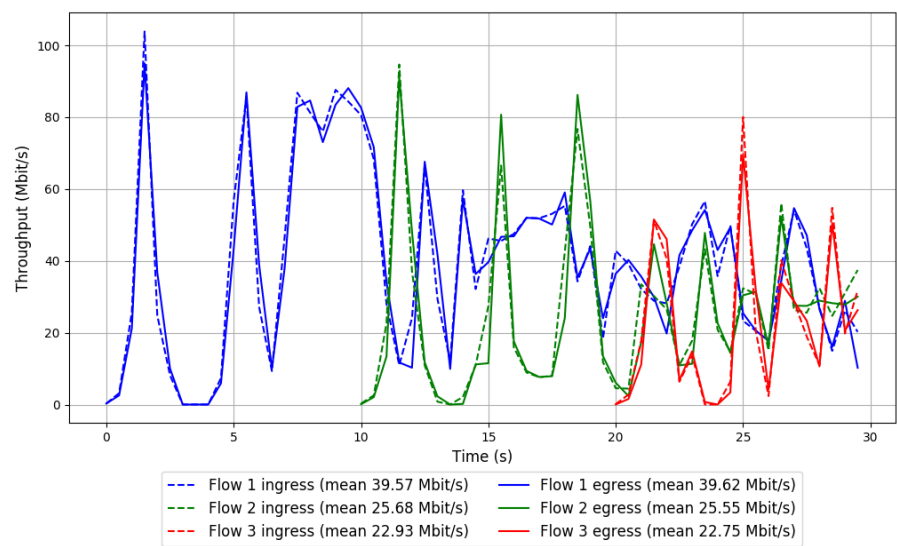


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-08 01:07:11  
End at: 2017-09-08 01:07:41  
Local clock offset: 0.048 ms  
Remote clock offset: -2.811 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 63.83 Mbit/s  
95th percentile per-packet one-way delay: 81.780 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 39.62 Mbit/s  
95th percentile per-packet one-way delay: 81.789 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 25.55 Mbit/s  
95th percentile per-packet one-way delay: 81.201 ms  
Loss rate: 1.36%  
-- Flow 3:  
Average throughput: 22.75 Mbit/s  
95th percentile per-packet one-way delay: 81.476 ms  
Loss rate: 2.52%

Run 10: Report of QUIC Cubic — Data Link

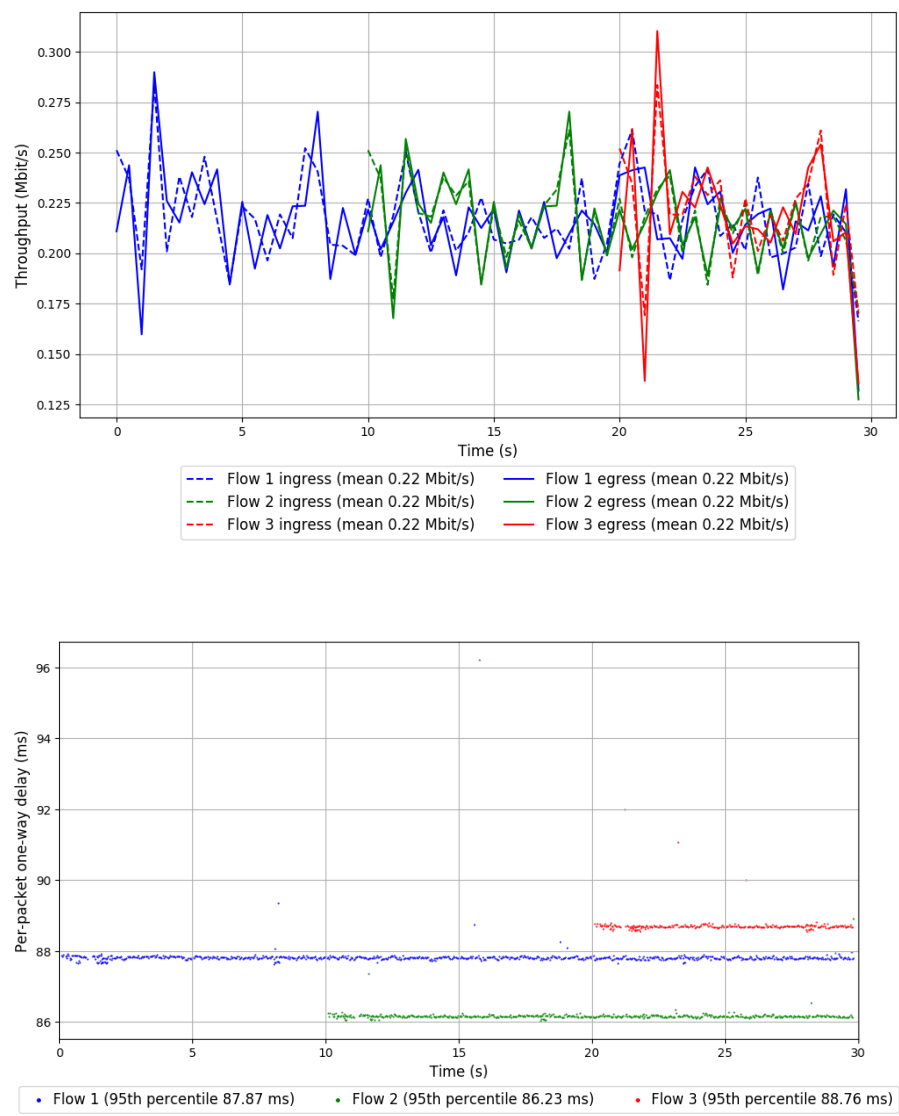


```
Run 1: Statistics of SReAM

Start at: 2017-09-07 22:06:20
End at: 2017-09-07 22:06:50
Local clock offset: 0.041 ms
Remote clock offset: -6.434 ms

# Below is generated by plot.py at 2017-09-08 06:03:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.712 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.873 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.231 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.764 ms
Loss rate: 1.88%
```

Run 1: Report of SReAM — Data Link

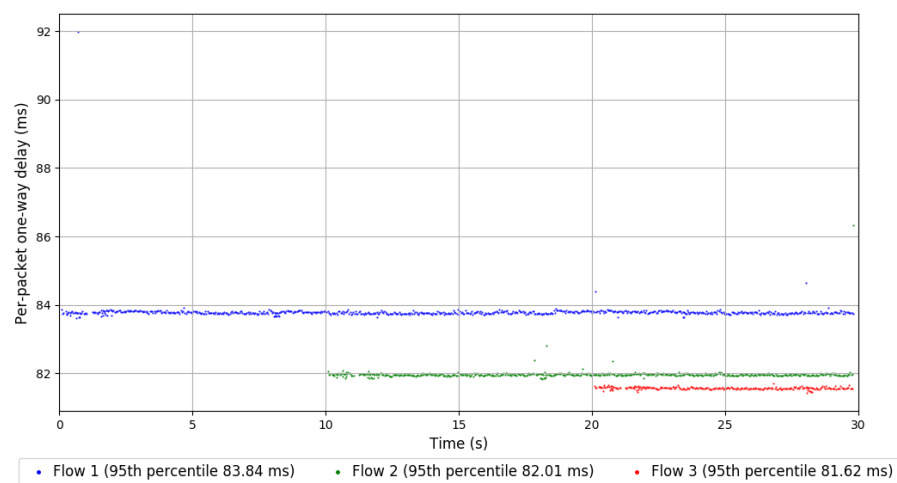
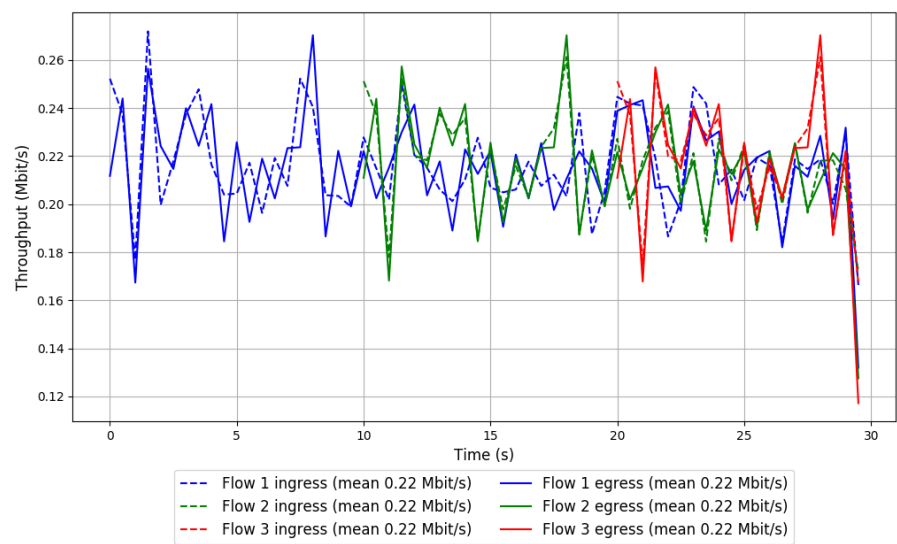


Run 2: Statistics of SReAM

Start at: 2017-09-07 22:27:42  
End at: 2017-09-07 22:28:12  
Local clock offset: -0.063 ms  
Remote clock offset: -1.274 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 83.825 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.837 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.010 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.620 ms  
Loss rate: 1.87%

Run 2: Report of SReAM — Data Link

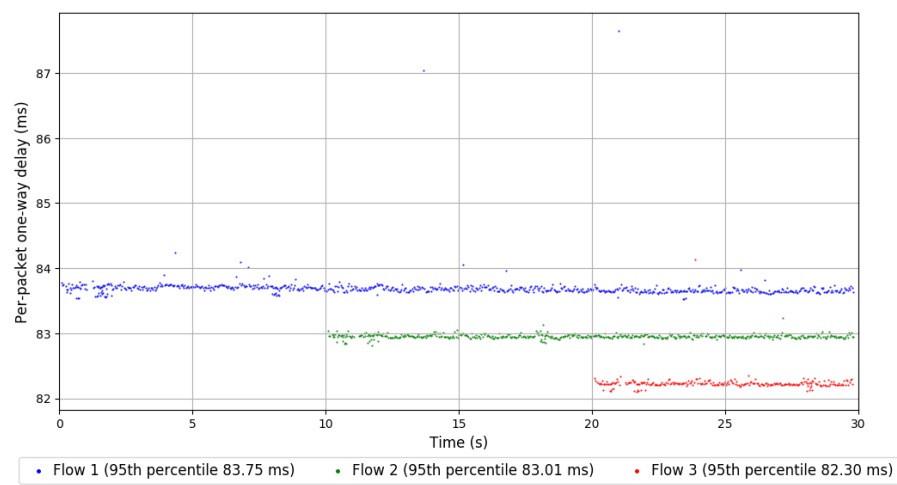
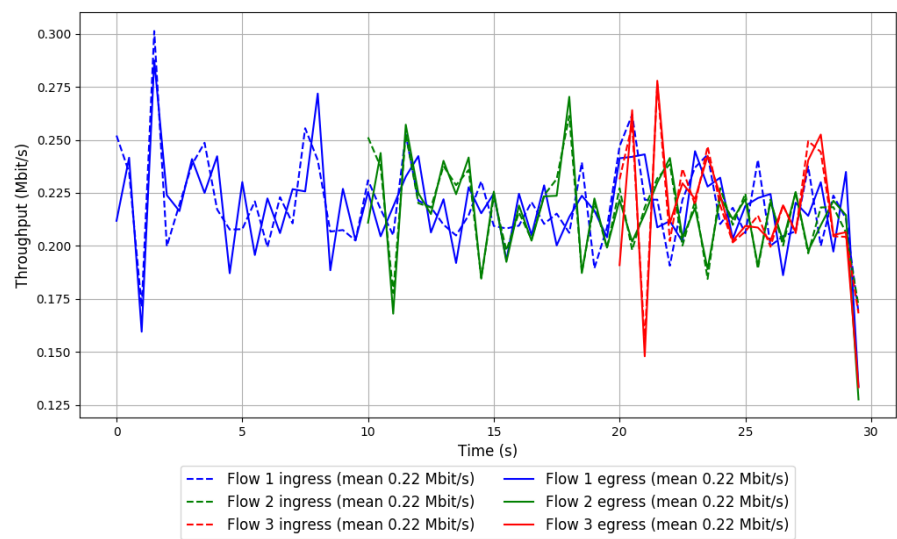


Run 3: Statistics of SReAM

Start at: 2017-09-07 22:49:25  
End at: 2017-09-07 22:49:55  
Local clock offset: 0.017 ms  
Remote clock offset: -2.119 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 83.737 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.754 ms  
Loss rate: 0.52%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.007 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.295 ms  
Loss rate: 1.53%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-09-07 23:11:05

End at: 2017-09-07 23:11:35

Local clock offset: -0.075 ms

Remote clock offset: -1.3 ms

# Below is generated by plot.py at 2017-09-08 06:03:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 82.692 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.337 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.619 ms

Loss rate: 0.84%

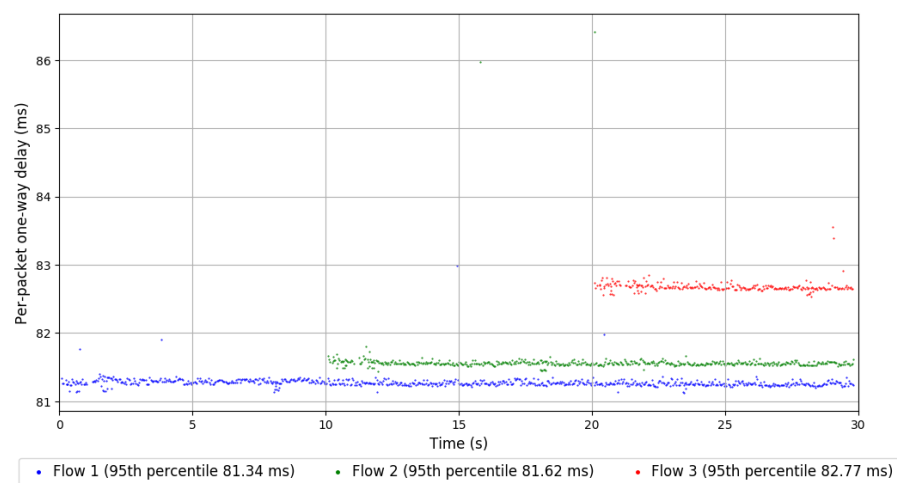
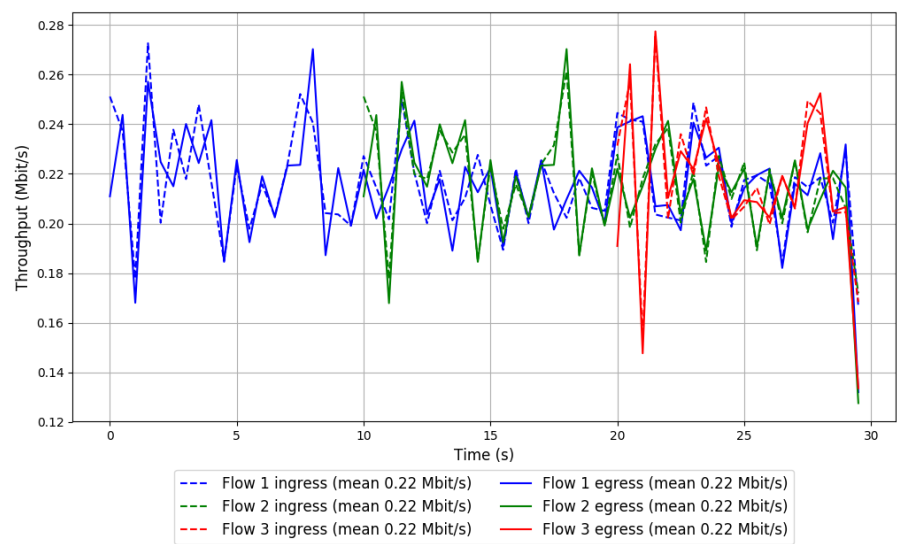
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.767 ms

Loss rate: 1.53%

Run 4: Report of SReAM — Data Link

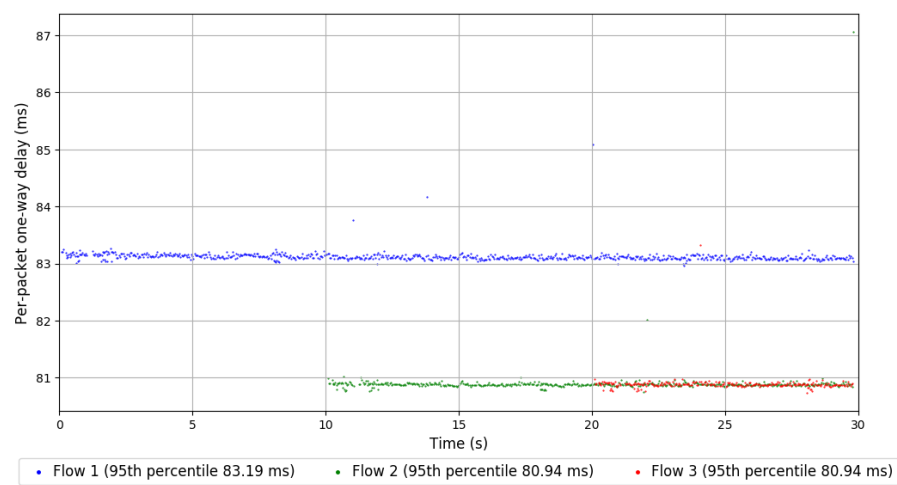
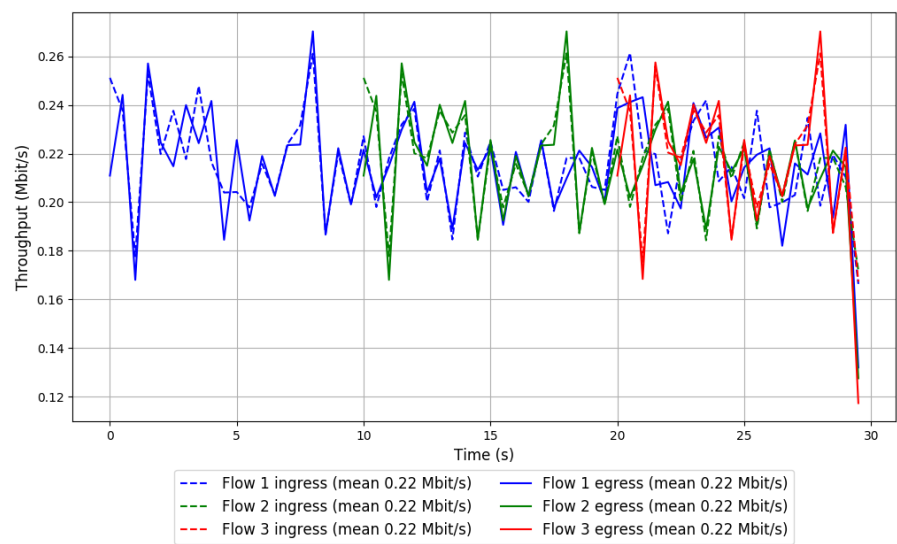


Run 5: Statistics of SReAM

Start at: 2017-09-07 23:33:09  
End at: 2017-09-07 23:33:39  
Local clock offset: -0.003 ms  
Remote clock offset: -1.522 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 83.169 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.187 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.938 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.936 ms  
Loss rate: 1.87%

Run 5: Report of SReAM — Data Link

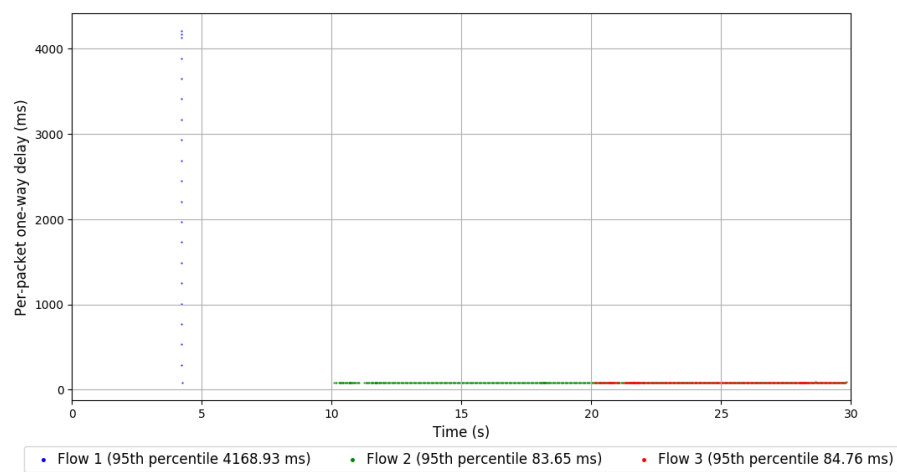
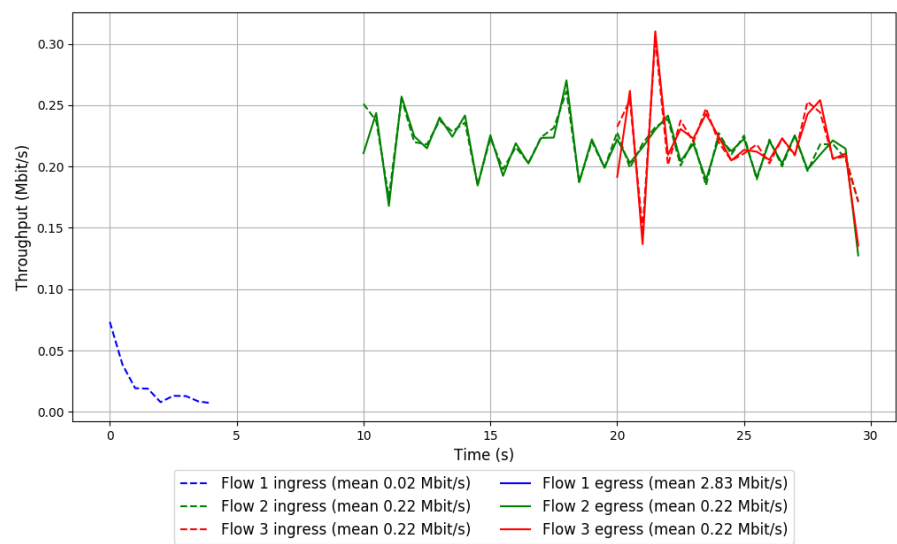


Run 6: Statistics of SReAM

Start at: 2017-09-07 23:54:40  
End at: 2017-09-07 23:55:10  
Local clock offset: -0.055 ms  
Remote clock offset: -2.662 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 84.750 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 2.83 Mbit/s  
95th percentile per-packet one-way delay: 4168.929 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.649 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.759 ms  
Loss rate: 1.53%

Run 6: Report of SReAM — Data Link

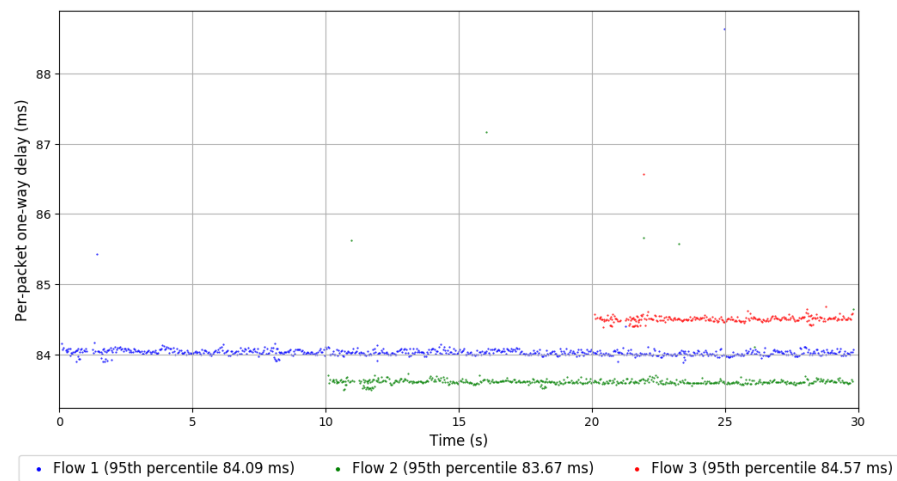
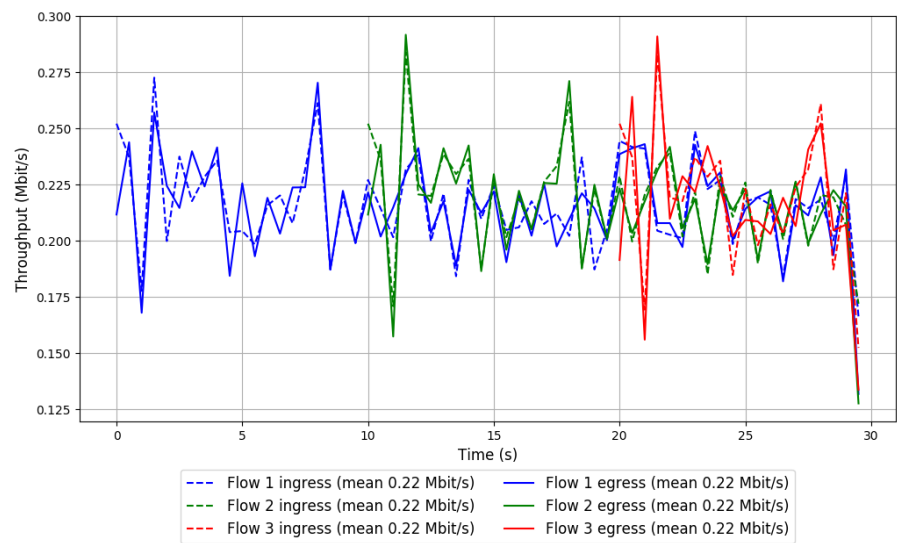


Run 7: Statistics of SReAM

Start at: 2017-09-08 00:16:15  
End at: 2017-09-08 00:16:45  
Local clock offset: 0.034 ms  
Remote clock offset: -2.972 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 84.525 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.094 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.674 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.572 ms  
Loss rate: 1.52%

Run 7: Report of SCRaM — Data Link

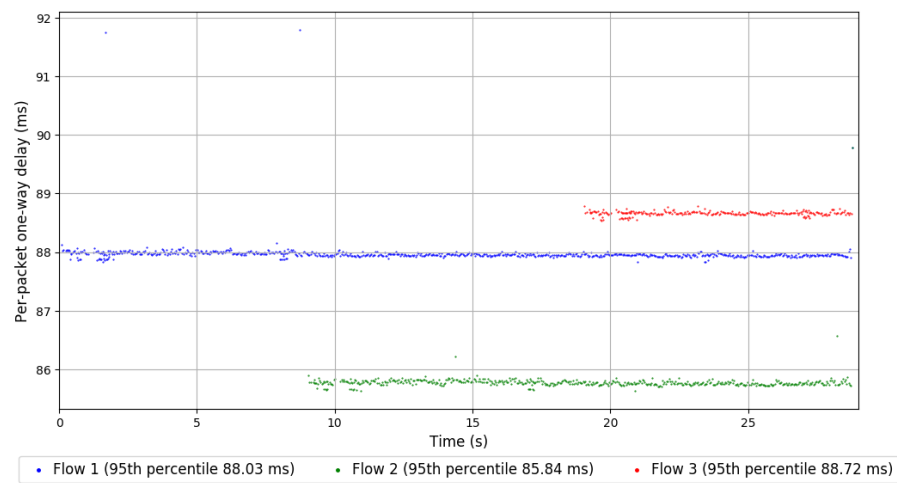
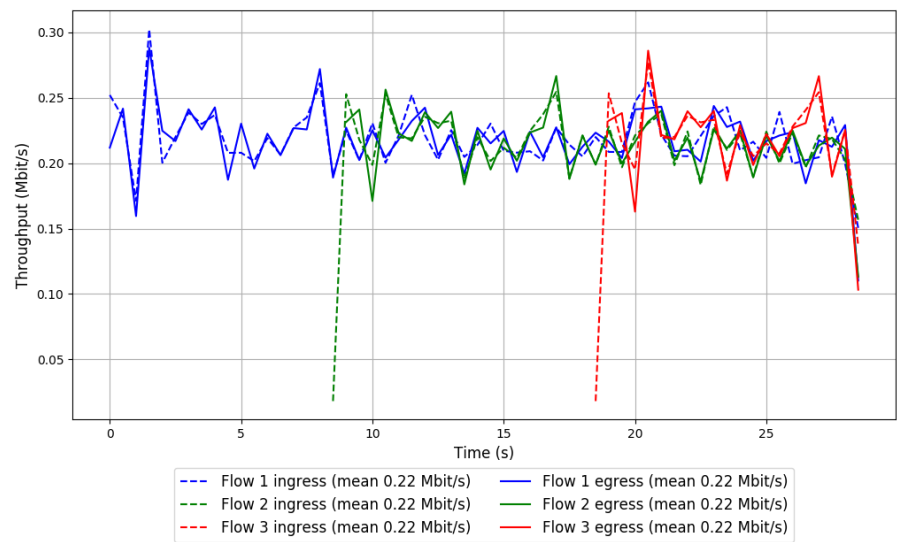


Run 8: Statistics of SReAM

Start at: 2017-09-08 00:37:13  
End at: 2017-09-08 00:37:43  
Local clock offset: 0.057 ms  
Remote clock offset: -7.218 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 88.678 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 88.027 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.840 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 88.722 ms  
Loss rate: 1.53%

Run 8: Report of SReAM — Data Link

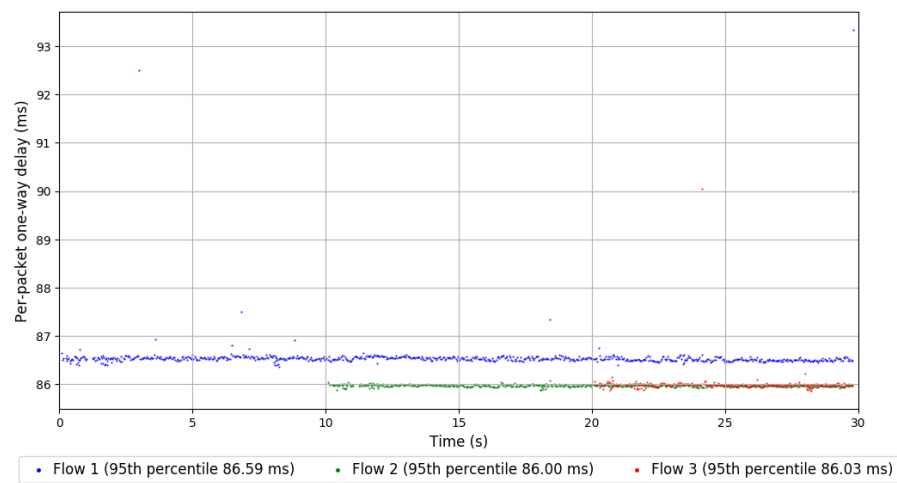
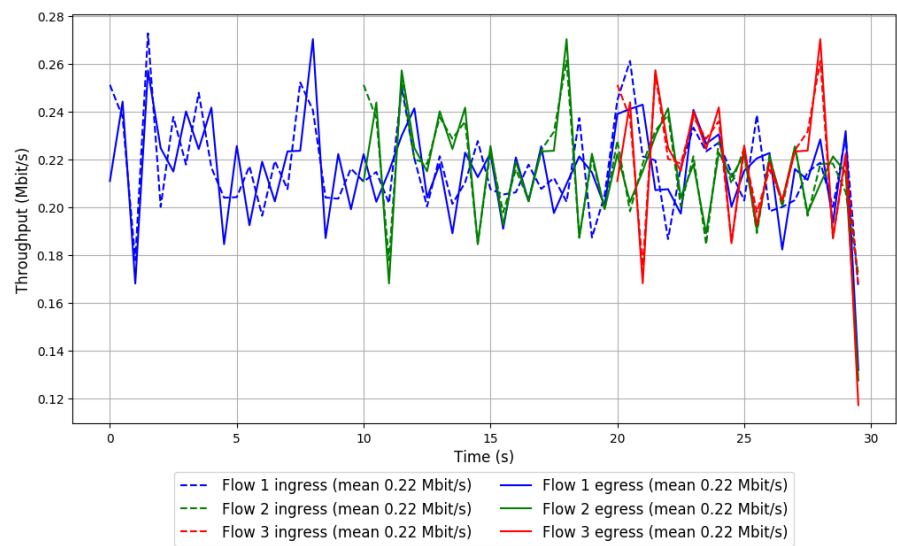


Run 9: Statistics of SReAM

Start at: 2017-09-08 00:58:54  
End at: 2017-09-08 00:59:24  
Local clock offset: 0.028 ms  
Remote clock offset: -7.554 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.577 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.591 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.004 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.025 ms  
Loss rate: 1.87%

Run 9: Report of SReAM — Data Link

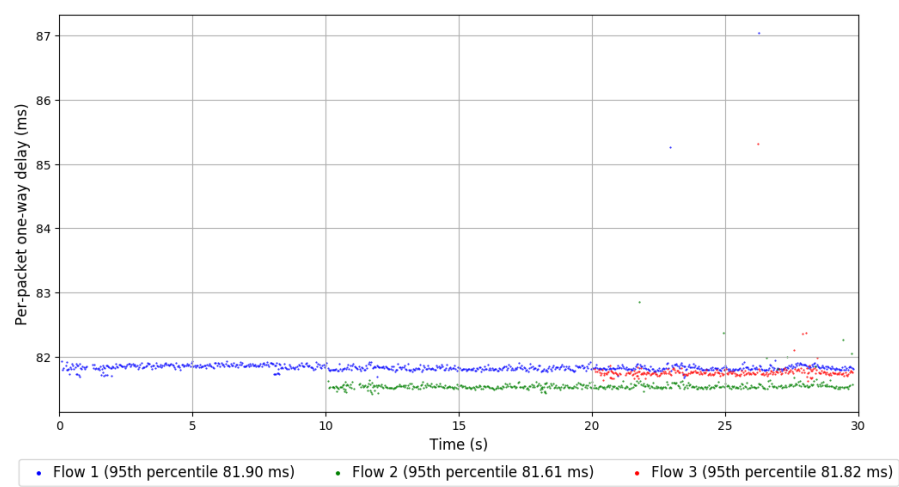
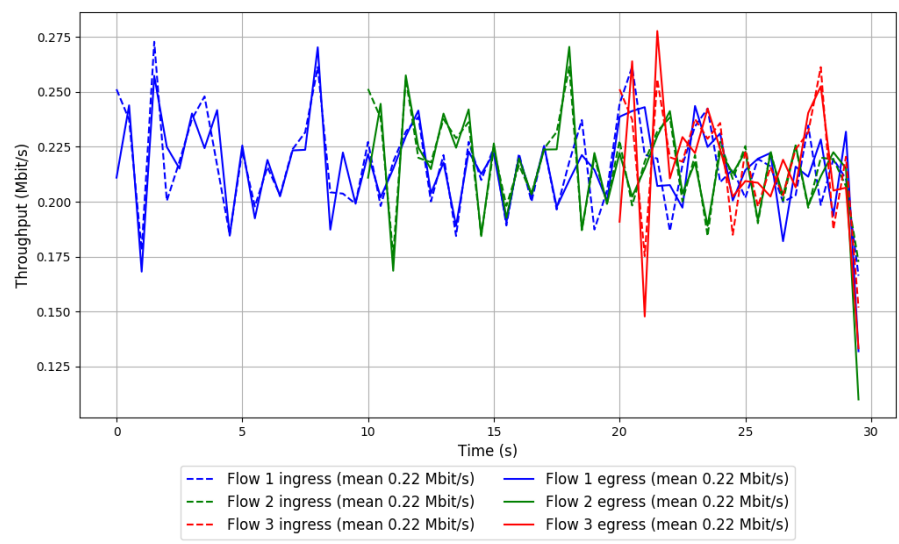


Run 10: Statistics of SReAM

Start at: 2017-09-08 01:20:33  
End at: 2017-09-08 01:21:03  
Local clock offset: 0.047 ms  
Remote clock offset: -2.756 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 81.888 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.899 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.613 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.819 ms  
Loss rate: 1.53%

Run 10: Report of SReAM — Data Link

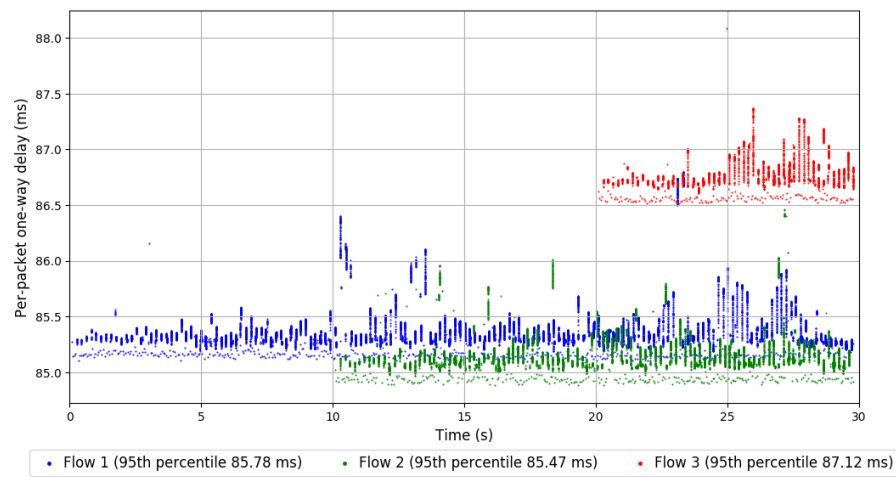
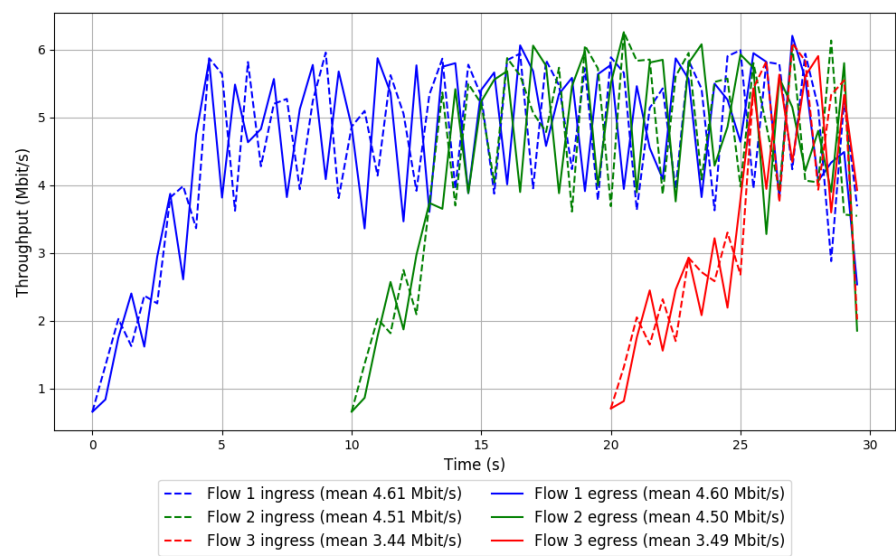


Run 1: Statistics of Sprout

Start at: 2017-09-07 22:07:34  
End at: 2017-09-07 22:08:04  
Local clock offset: 0.036 ms  
Remote clock offset: -5.498 ms

# Below is generated by plot.py at 2017-09-08 06:03:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.72 Mbit/s  
95th percentile per-packet one-way delay: 86.806 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 4.60 Mbit/s  
95th percentile per-packet one-way delay: 85.784 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 4.50 Mbit/s  
95th percentile per-packet one-way delay: 85.473 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 3.49 Mbit/s  
95th percentile per-packet one-way delay: 87.119 ms  
Loss rate: 0.06%

Run 1: Report of Sprout — Data Link

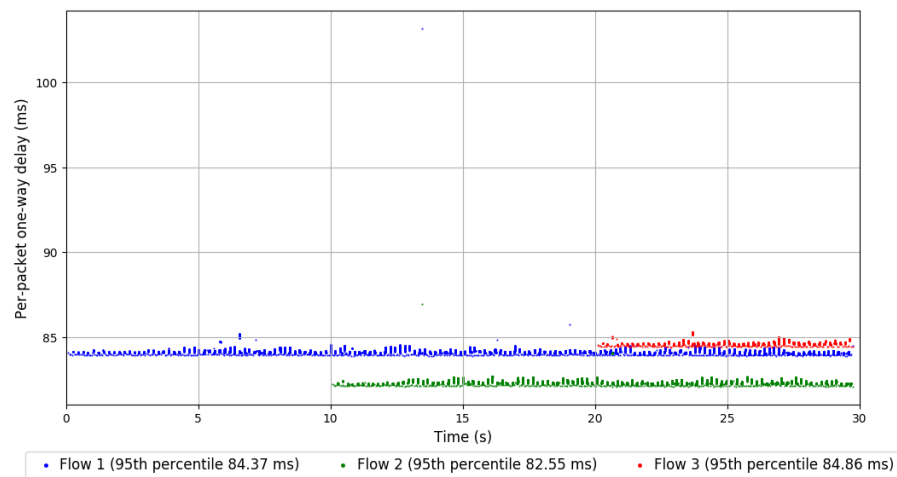
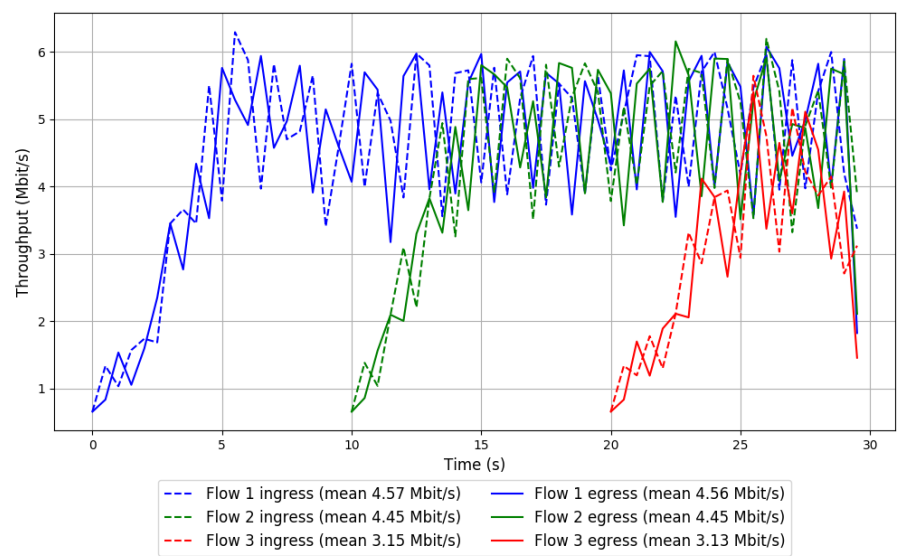


Run 2: Statistics of Sprout

Start at: 2017-09-07 22:28:56  
End at: 2017-09-07 22:29:26  
Local clock offset: 0.03 ms  
Remote clock offset: -2.159 ms

# Below is generated by plot.py at 2017-09-08 06:03:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.52 Mbit/s  
95th percentile per-packet one-way delay: 84.634 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 4.56 Mbit/s  
95th percentile per-packet one-way delay: 84.372 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 4.45 Mbit/s  
95th percentile per-packet one-way delay: 82.551 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 3.13 Mbit/s  
95th percentile per-packet one-way delay: 84.856 ms  
Loss rate: 2.69%

Run 2: Report of Sprout — Data Link

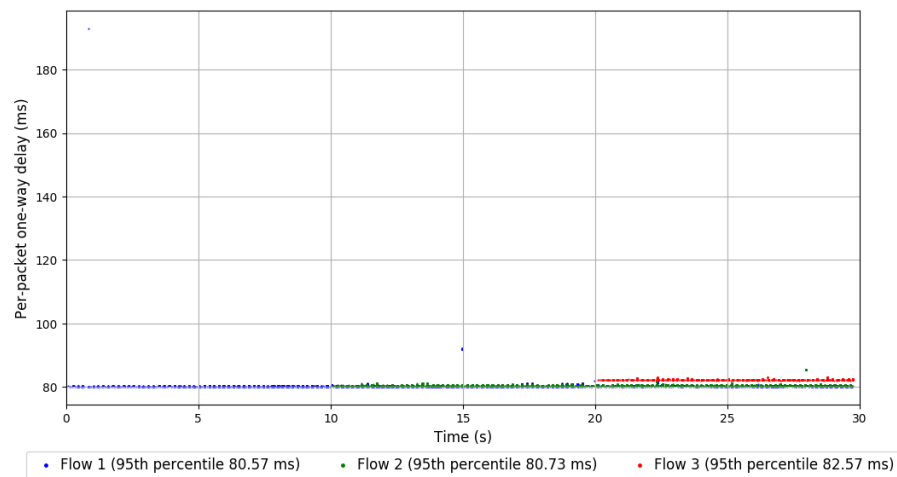
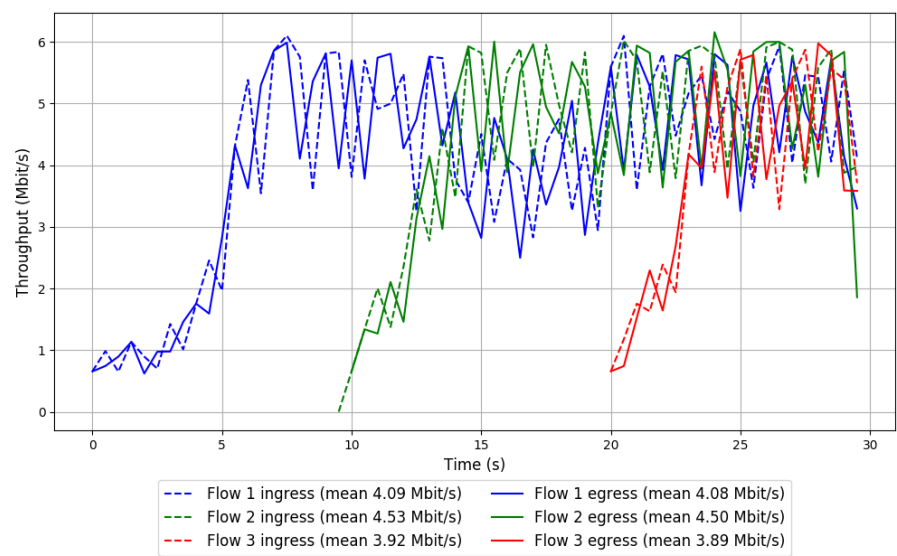


### Run 3: Statistics of Sprout

Start at: 2017-09-07 22:50:38  
End at: 2017-09-07 22:51:09  
Local clock offset: -0.004 ms  
Remote clock offset: -0.348 ms

```
# Below is generated by plot.py at 2017-09-08 06:03:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 82.308 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 80.573 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 80.732 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 82.571 ms
Loss rate: 2.50%
```

Run 3: Report of Sprout — Data Link

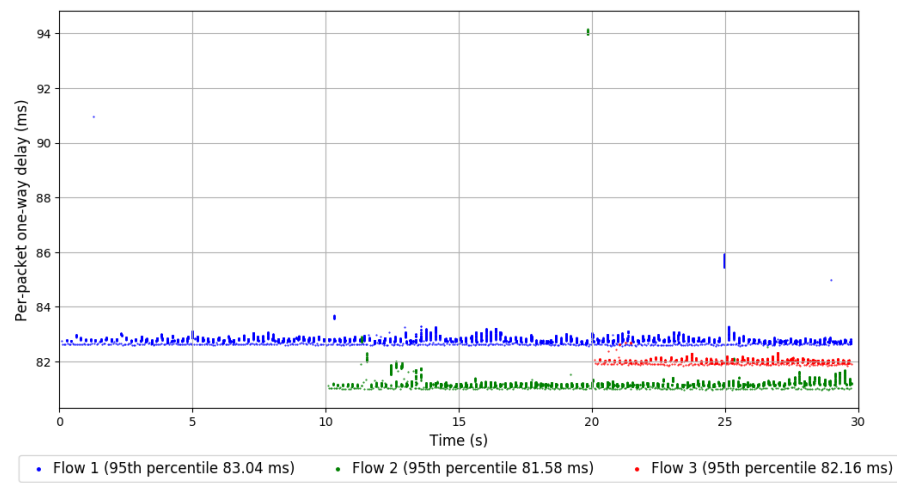
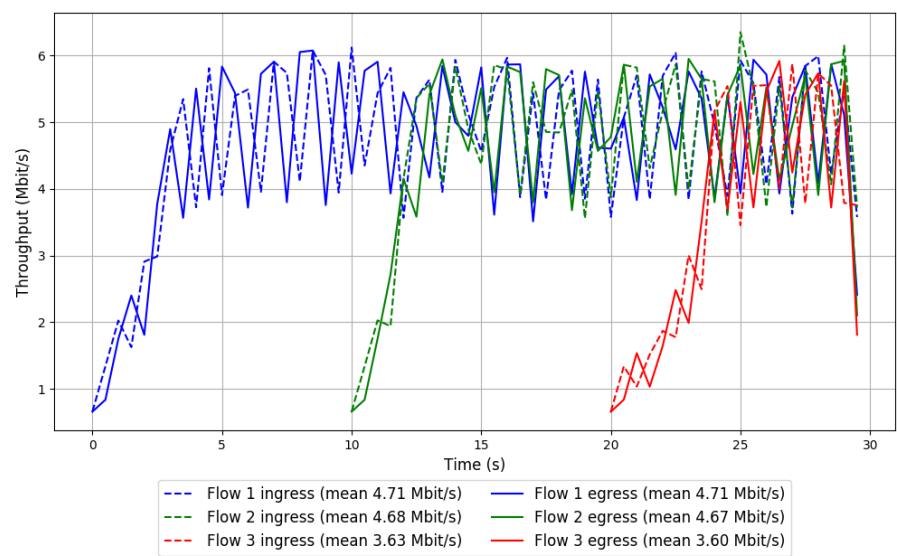


#### Run 4: Statistics of Sprout

Start at: 2017-09-07 23:12:19  
End at: 2017-09-07 23:12:49  
Local clock offset: 0.006 ms  
Remote clock offset: -0.384 ms

```
# Below is generated by plot.py at 2017-09-08 06:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 82.967 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 83.039 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 81.585 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 82.157 ms
Loss rate: 2.72%
```

Run 4: Report of Sprout — Data Link

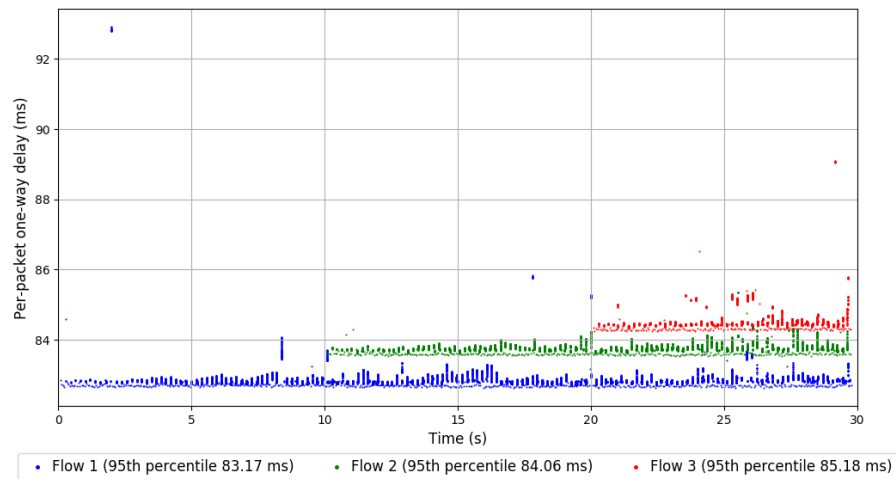
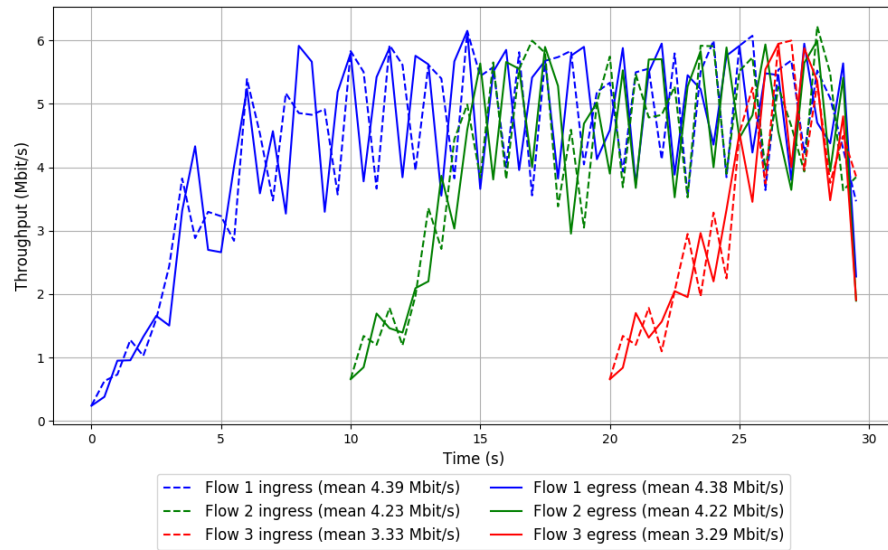


Run 5: Statistics of Sprout

Start at: 2017-09-07 23:34:22  
End at: 2017-09-07 23:34:53  
Local clock offset: -0.086 ms  
Remote clock offset: -2.425 ms

# Below is generated by plot.py at 2017-09-08 06:03:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.24 Mbit/s  
95th percentile per-packet one-way delay: 84.504 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 4.38 Mbit/s  
95th percentile per-packet one-way delay: 83.173 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 4.22 Mbit/s  
95th percentile per-packet one-way delay: 84.057 ms  
Loss rate: 1.16%  
-- Flow 3:  
Average throughput: 3.29 Mbit/s  
95th percentile per-packet one-way delay: 85.180 ms  
Loss rate: 2.98%

## Run 5: Report of Sprout — Data Link

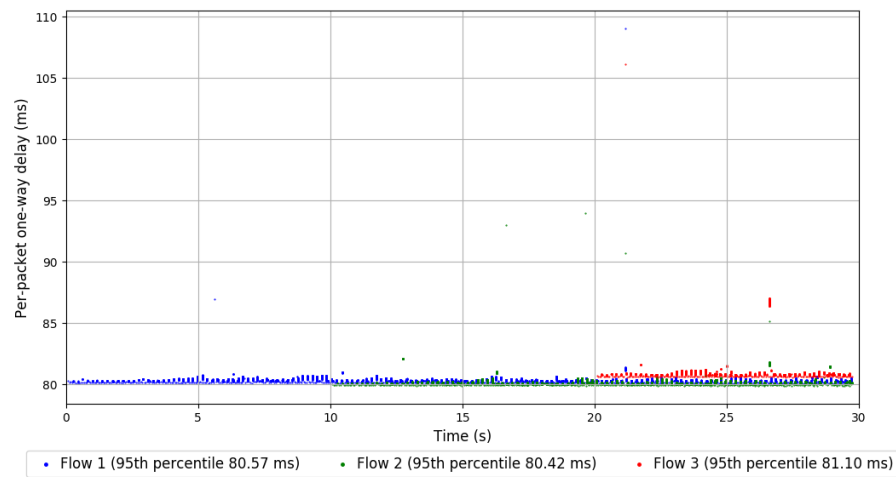
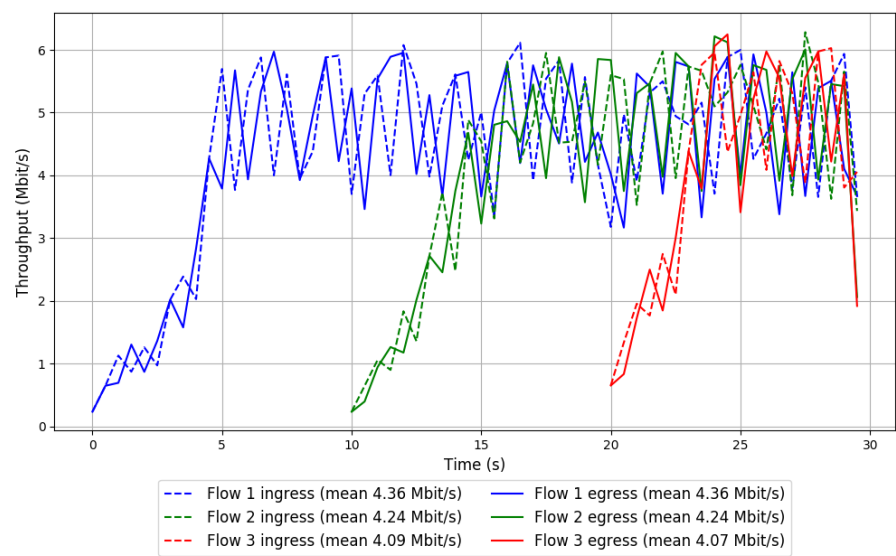


Run 6: Statistics of Sprout

Start at: 2017-09-07 23:55:54  
End at: 2017-09-07 23:56:24  
Local clock offset: 0.011 ms  
Remote clock offset: -0.879 ms

# Below is generated by plot.py at 2017-09-08 06:03:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.48 Mbit/s  
95th percentile per-packet one-way delay: 80.874 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 4.36 Mbit/s  
95th percentile per-packet one-way delay: 80.572 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 4.24 Mbit/s  
95th percentile per-packet one-way delay: 80.418 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 4.07 Mbit/s  
95th percentile per-packet one-way delay: 81.104 ms  
Loss rate: 2.65%

Run 6: Report of Sprout — Data Link

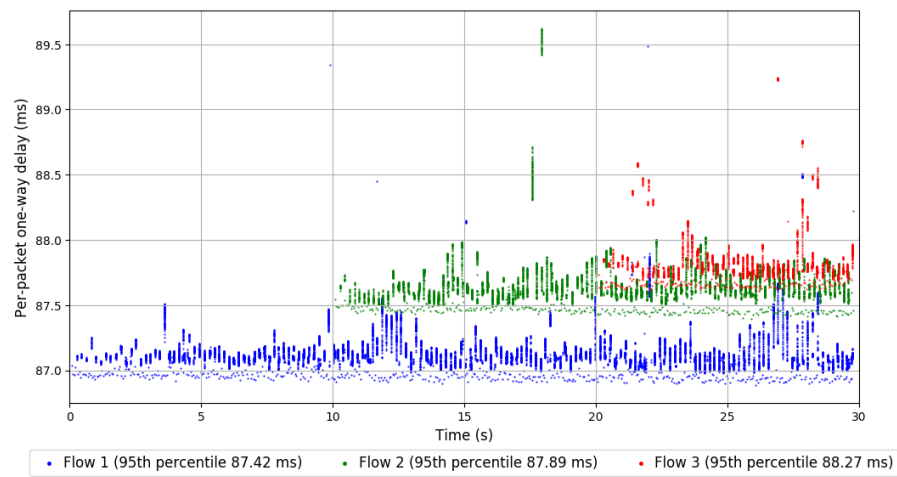
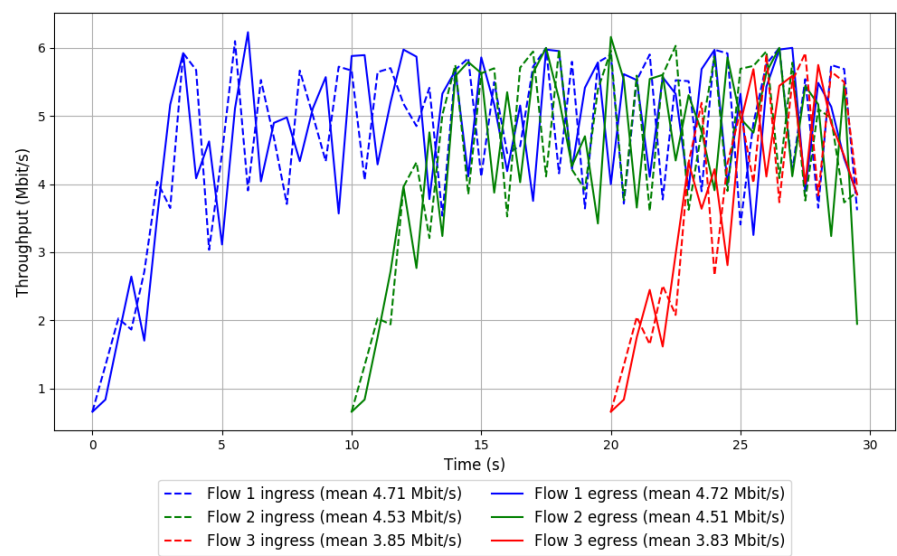


Run 7: Statistics of Sprout

Start at: 2017-09-08 00:17:28  
End at: 2017-09-08 00:17:58  
Local clock offset: 0.036 ms  
Remote clock offset: -6.053 ms

# Below is generated by plot.py at 2017-09-08 06:03:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.95 Mbit/s  
95th percentile per-packet one-way delay: 87.881 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 4.72 Mbit/s  
95th percentile per-packet one-way delay: 87.416 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 4.51 Mbit/s  
95th percentile per-packet one-way delay: 87.886 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 3.83 Mbit/s  
95th percentile per-packet one-way delay: 88.266 ms  
Loss rate: 2.59%

Run 7: Report of Sprout — Data Link

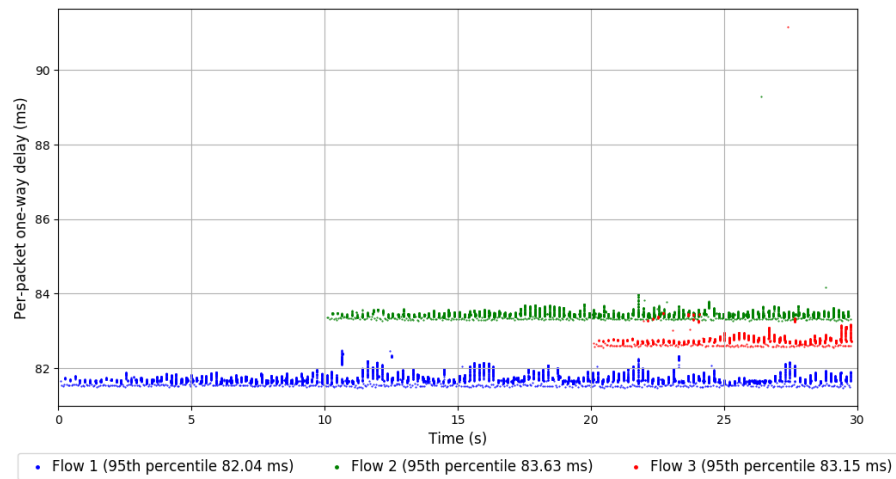
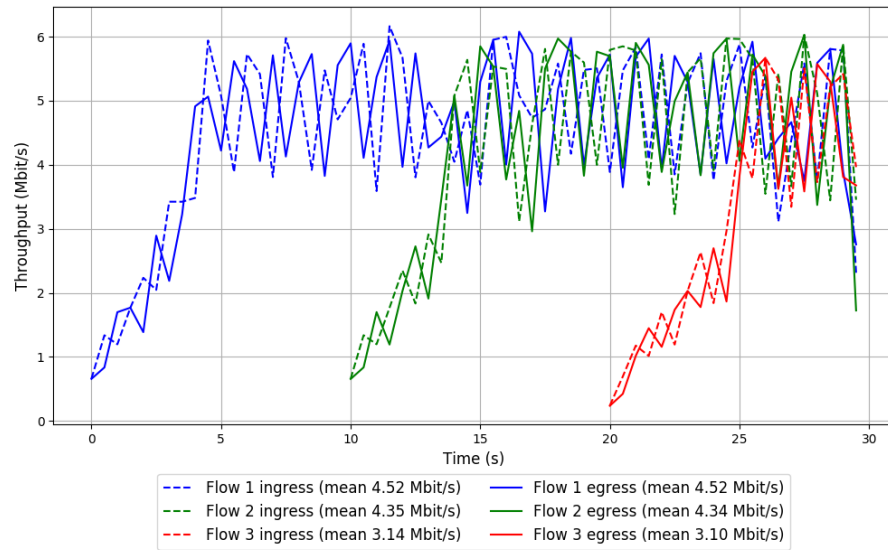


Run 8: Statistics of Sprout

Start at: 2017-09-08 00:38:27  
End at: 2017-09-08 00:38:57  
Local clock offset: 0.035 ms  
Remote clock offset: -2.417 ms

```
# Below is generated by plot.py at 2017-09-08 06:03:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 83.529 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 82.041 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 83.626 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 83.154 ms
Loss rate: 3.06%
```

## Run 8: Report of Sprout — Data Link

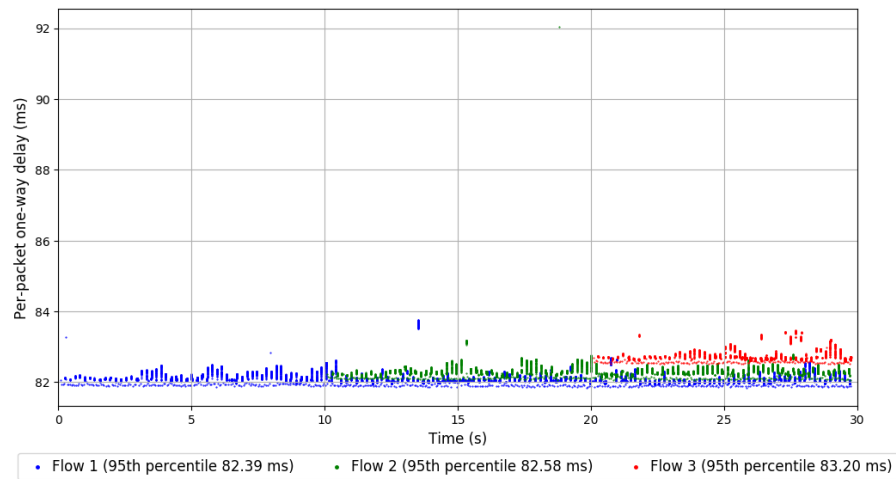
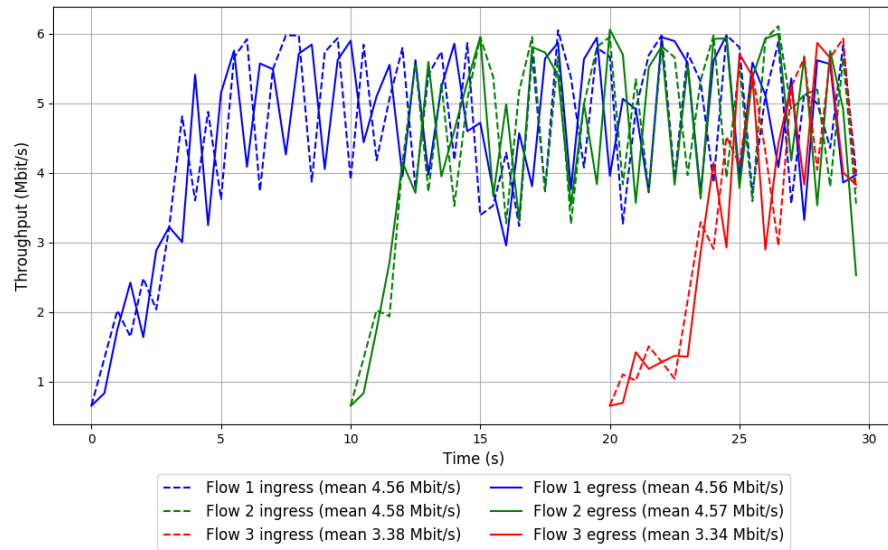


Run 9: Statistics of Sprout

Start at: 2017-09-08 01:00:08  
End at: 2017-09-08 01:00:38  
Local clock offset: 0.051 ms  
Remote clock offset: -3.501 ms

# Below is generated by plot.py at 2017-09-08 06:03:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.67 Mbit/s  
95th percentile per-packet one-way delay: 82.793 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 4.56 Mbit/s  
95th percentile per-packet one-way delay: 82.392 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 4.57 Mbit/s  
95th percentile per-packet one-way delay: 82.585 ms  
Loss rate: 0.98%  
-- Flow 3:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 83.200 ms  
Loss rate: 2.81%

## Run 9: Report of Sprout — Data Link

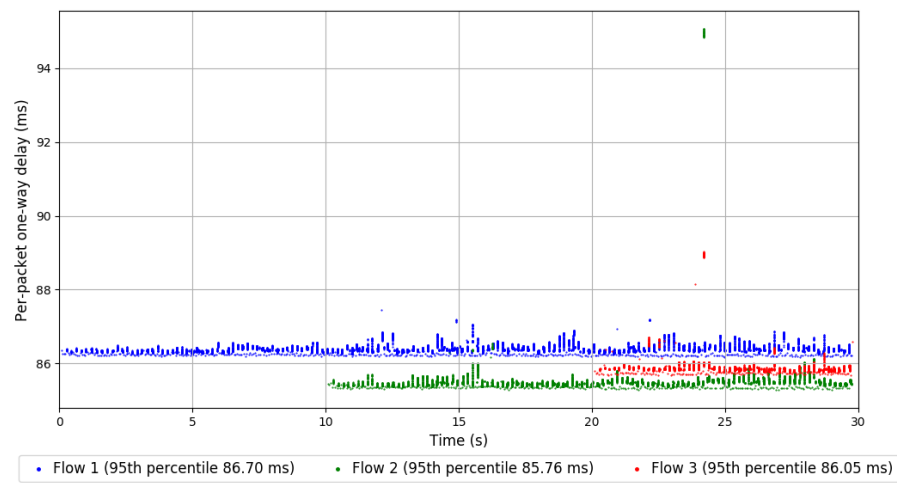
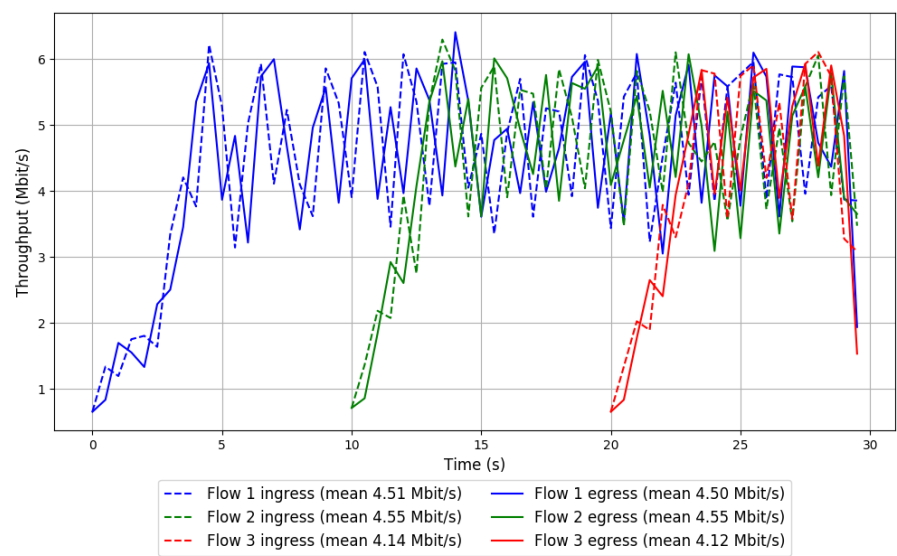


Run 10: Statistics of Sprout

Start at: 2017-09-08 01:21:47  
End at: 2017-09-08 01:22:17  
Local clock offset: -0.017 ms  
Remote clock offset: -7.638 ms

# Below is generated by plot.py at 2017-09-08 06:03:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.85 Mbit/s  
95th percentile per-packet one-way delay: 86.585 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 4.50 Mbit/s  
95th percentile per-packet one-way delay: 86.702 ms  
Loss rate: 0.74%  
-- Flow 2:  
Average throughput: 4.55 Mbit/s  
95th percentile per-packet one-way delay: 85.764 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 4.12 Mbit/s  
95th percentile per-packet one-way delay: 86.045 ms  
Loss rate: 1.91%

Run 10: Report of Sprout — Data Link

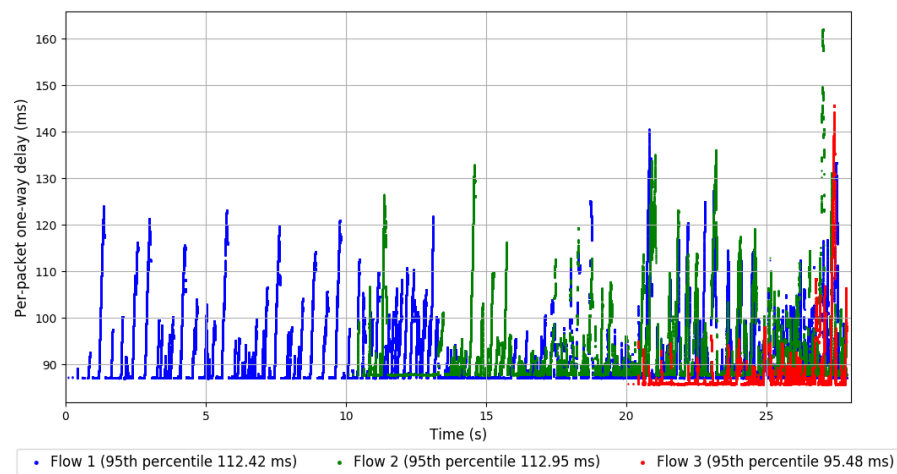
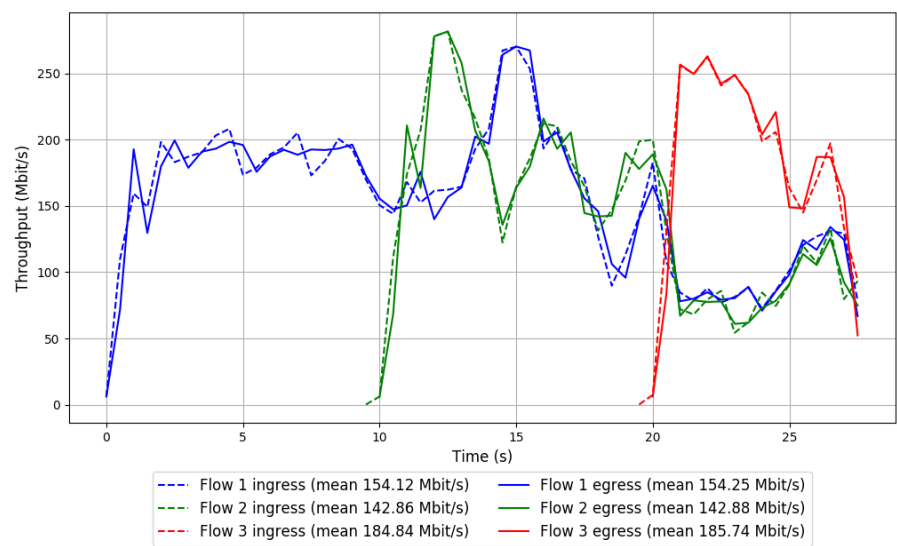


Run 1: Statistics of TaoVA-100x

Start at: 2017-09-07 22:02:40  
End at: 2017-09-07 22:03:10  
Local clock offset: 0.045 ms  
Remote clock offset: -5.565 ms

# Below is generated by plot.py at 2017-09-08 06:04:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 297.73 Mbit/s  
95th percentile per-packet one-way delay: 111.405 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 154.25 Mbit/s  
95th percentile per-packet one-way delay: 112.415 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 142.88 Mbit/s  
95th percentile per-packet one-way delay: 112.951 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 185.74 Mbit/s  
95th percentile per-packet one-way delay: 95.483 ms  
Loss rate: 1.70%

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

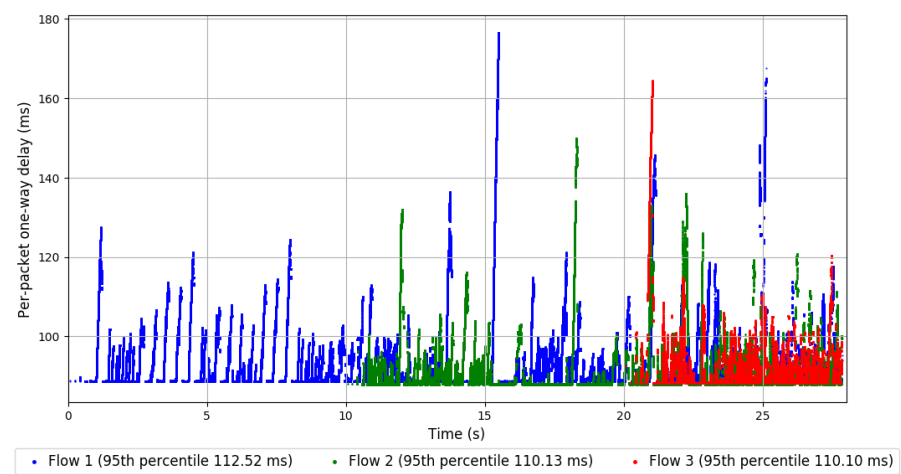
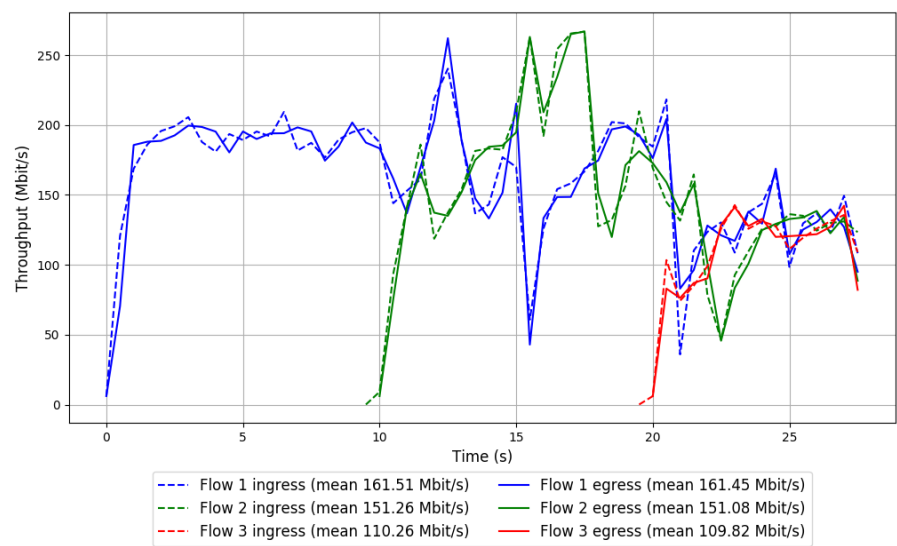


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-07 22:24:16  
End at: 2017-09-07 22:24:46  
Local clock offset: 0.032 ms  
Remote clock offset: -6.129 ms

# Below is generated by plot.py at 2017-09-08 06:04:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 289.00 Mbit/s  
95th percentile per-packet one-way delay: 111.804 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 161.45 Mbit/s  
95th percentile per-packet one-way delay: 112.522 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 151.08 Mbit/s  
95th percentile per-packet one-way delay: 110.134 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 109.82 Mbit/s  
95th percentile per-packet one-way delay: 110.099 ms  
Loss rate: 2.58%

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

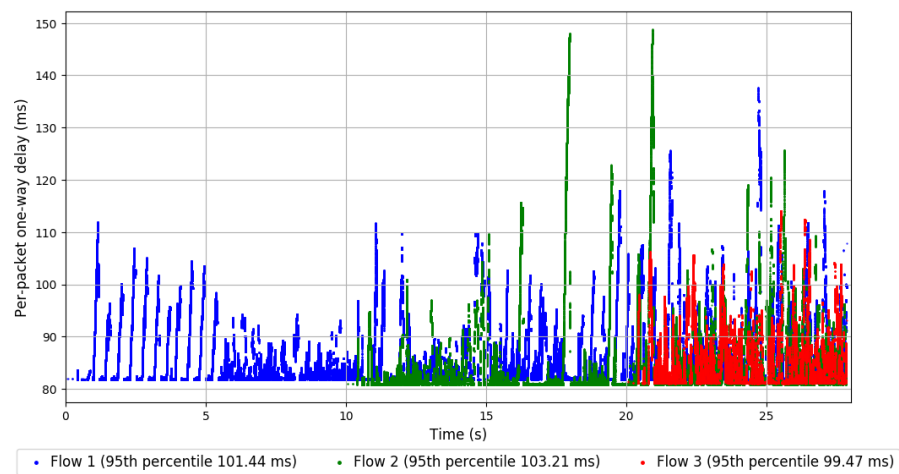
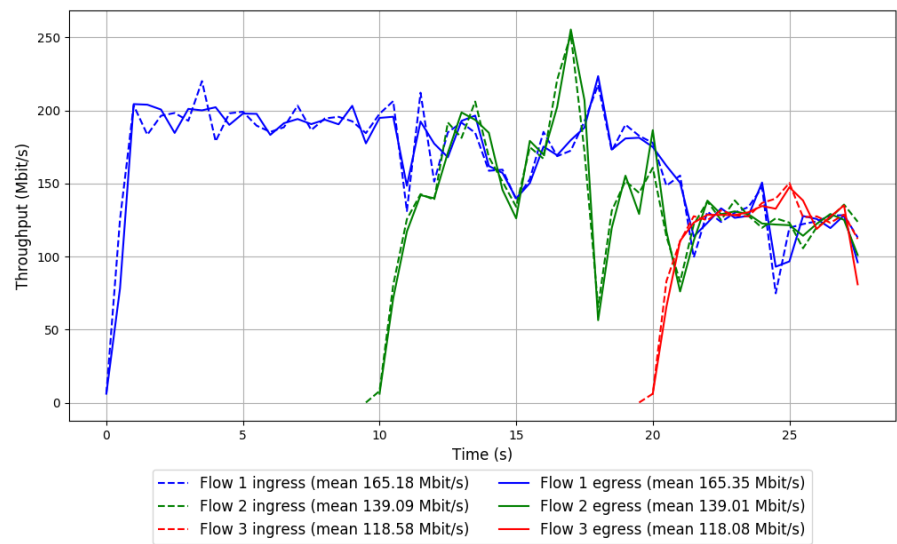


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-07 22:45:52  
End at: 2017-09-07 22:46:22  
Local clock offset: 0.018 ms  
Remote clock offset: -1.201 ms

# Below is generated by plot.py at 2017-09-08 06:05:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 287.42 Mbit/s  
95th percentile per-packet one-way delay: 101.537 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 165.35 Mbit/s  
95th percentile per-packet one-way delay: 101.444 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 139.01 Mbit/s  
95th percentile per-packet one-way delay: 103.207 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 118.08 Mbit/s  
95th percentile per-packet one-way delay: 99.474 ms  
Loss rate: 2.53%

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

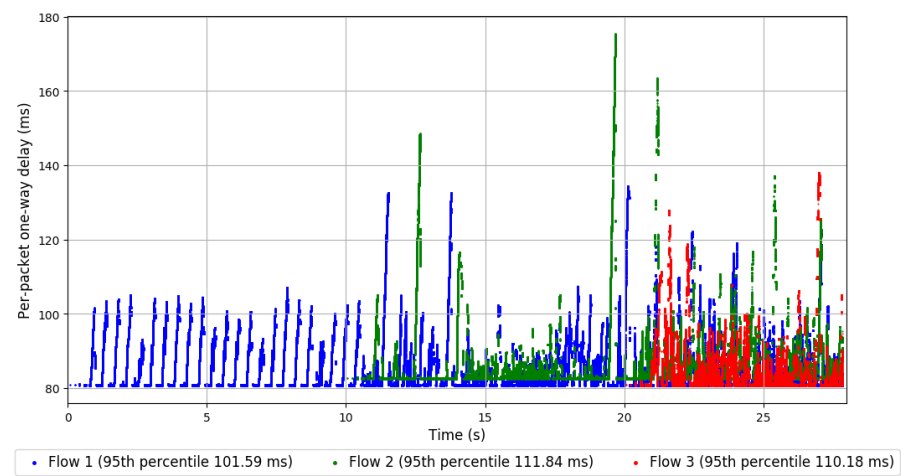
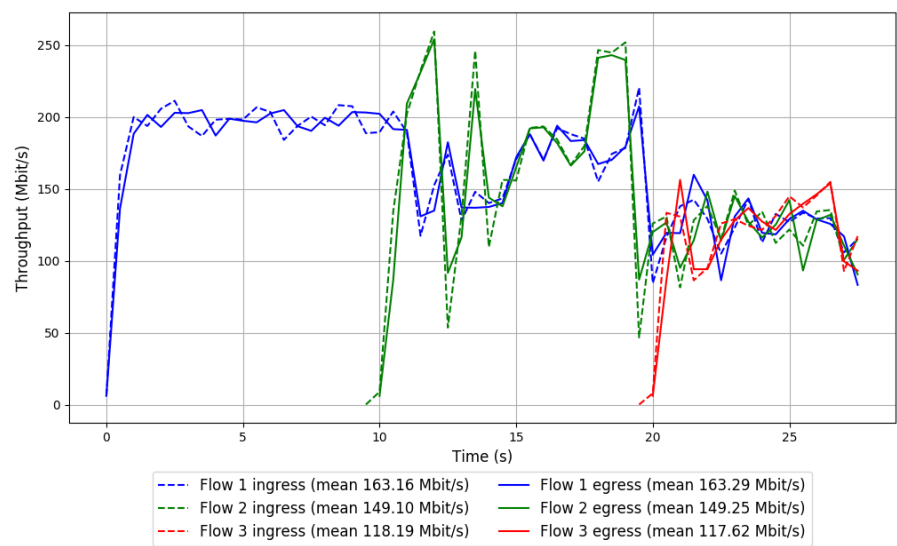


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-07 23:07:29  
End at: 2017-09-07 23:07:59  
Local clock offset: -0.093 ms  
Remote clock offset: -1.293 ms

# Below is generated by plot.py at 2017-09-08 06:05:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 291.86 Mbit/s  
95th percentile per-packet one-way delay: 103.952 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 163.29 Mbit/s  
95th percentile per-packet one-way delay: 101.593 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 149.25 Mbit/s  
95th percentile per-packet one-way delay: 111.842 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 117.62 Mbit/s  
95th percentile per-packet one-way delay: 110.176 ms  
Loss rate: 2.50%

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

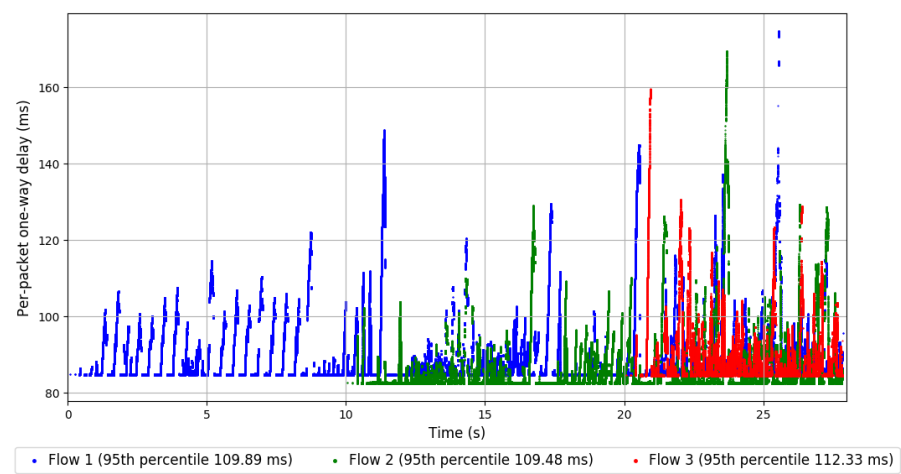
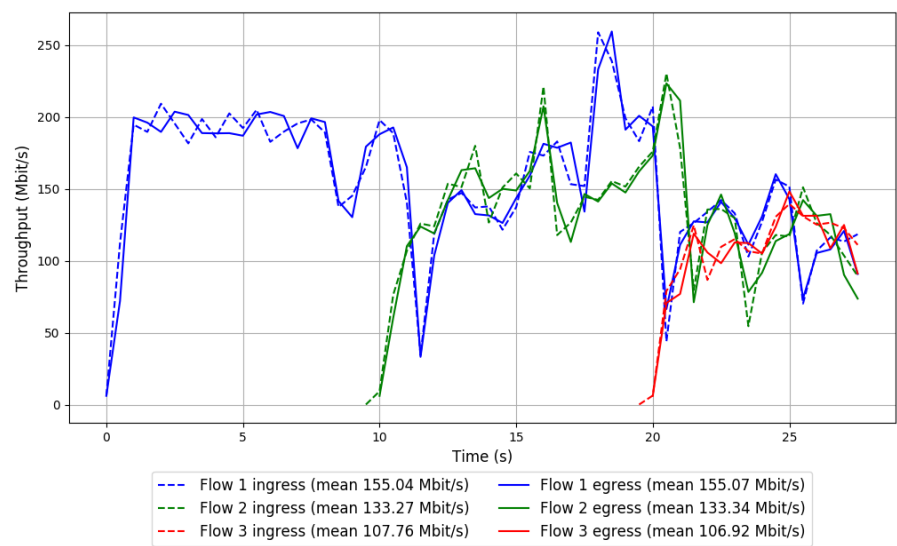


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-07 23:29:23  
End at: 2017-09-07 23:29:53  
Local clock offset: -0.028 ms  
Remote clock offset: -2.386 ms

# Below is generated by plot.py at 2017-09-08 06:06:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 270.46 Mbit/s  
95th percentile per-packet one-way delay: 109.944 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 155.07 Mbit/s  
95th percentile per-packet one-way delay: 109.887 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 133.34 Mbit/s  
95th percentile per-packet one-way delay: 109.482 ms  
Loss rate: 0.89%  
-- Flow 3:  
Average throughput: 106.92 Mbit/s  
95th percentile per-packet one-way delay: 112.334 ms  
Loss rate: 2.78%

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

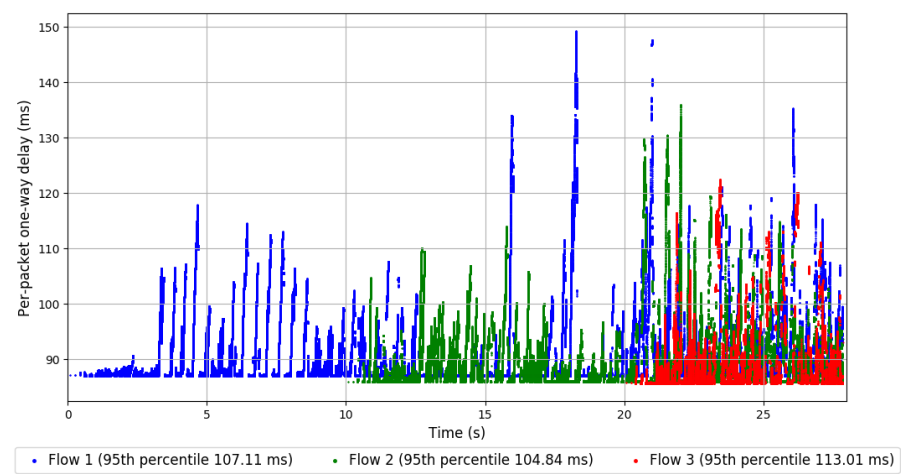
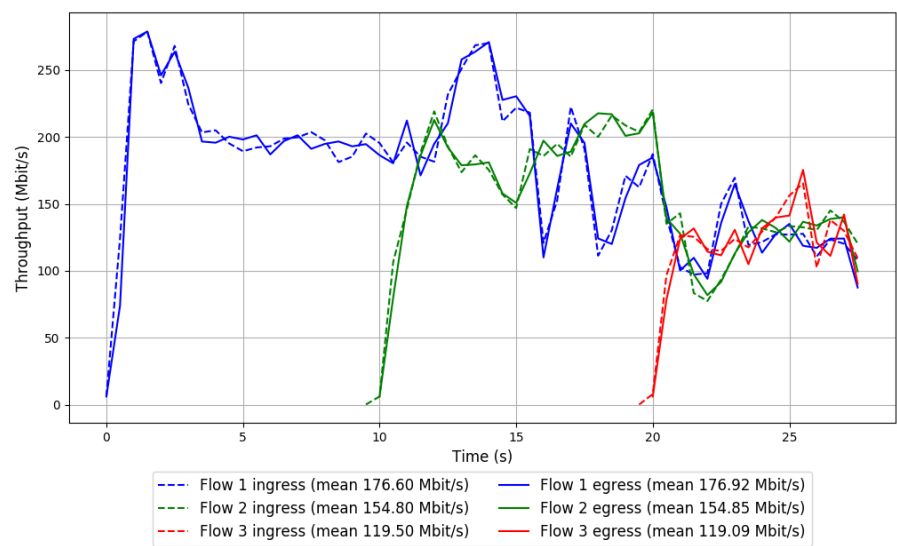


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-07 23:51:06  
End at: 2017-09-07 23:51:36  
Local clock offset: 0.019 ms  
Remote clock offset: -5.657 ms

# Below is generated by plot.py at 2017-09-08 06:07:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 309.42 Mbit/s  
95th percentile per-packet one-way delay: 107.469 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 176.92 Mbit/s  
95th percentile per-packet one-way delay: 107.109 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 154.85 Mbit/s  
95th percentile per-packet one-way delay: 104.843 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 119.09 Mbit/s  
95th percentile per-packet one-way delay: 113.008 ms  
Loss rate: 2.36%

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

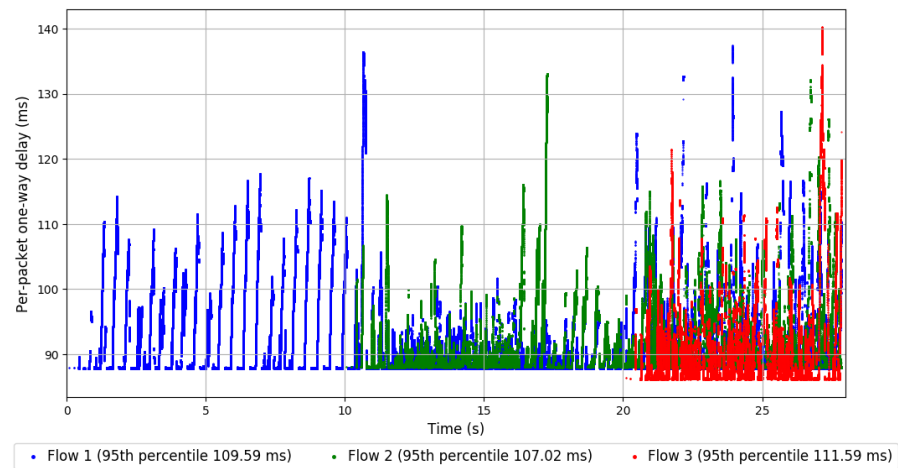
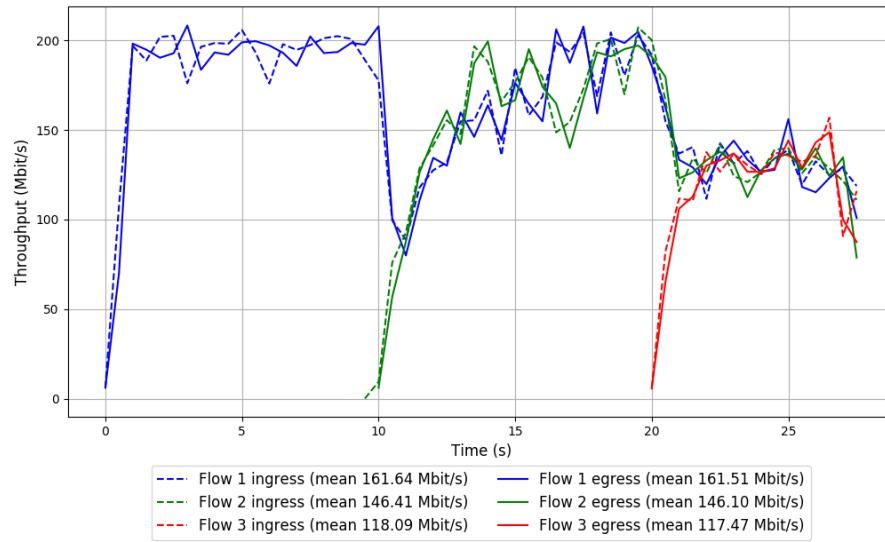


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-08 00:12:45  
End at: 2017-09-08 00:13:15  
Local clock offset: 0.01 ms  
Remote clock offset: -6.913 ms

# Below is generated by plot.py at 2017-09-08 06:07:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 287.93 Mbit/s  
95th percentile per-packet one-way delay: 109.214 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 161.51 Mbit/s  
95th percentile per-packet one-way delay: 109.591 ms  
Loss rate: 0.65%  
-- Flow 2:  
Average throughput: 146.10 Mbit/s  
95th percentile per-packet one-way delay: 107.020 ms  
Loss rate: 1.15%  
-- Flow 3:  
Average throughput: 117.47 Mbit/s  
95th percentile per-packet one-way delay: 111.589 ms  
Loss rate: 2.58%

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

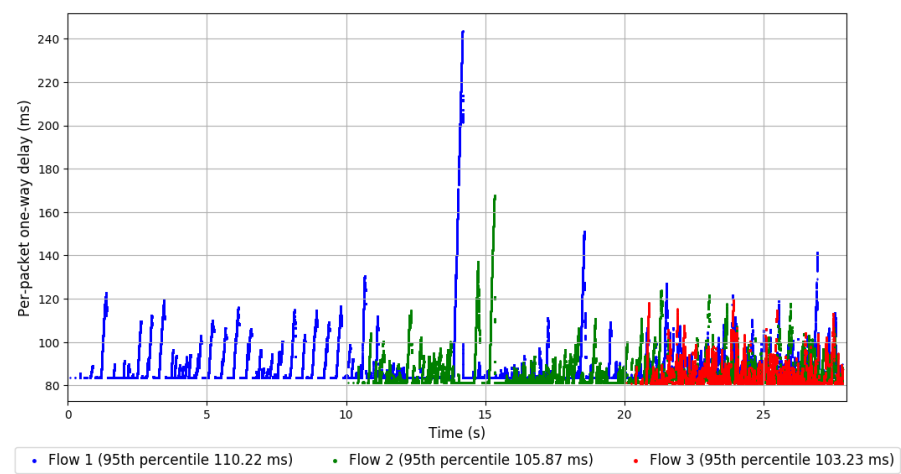
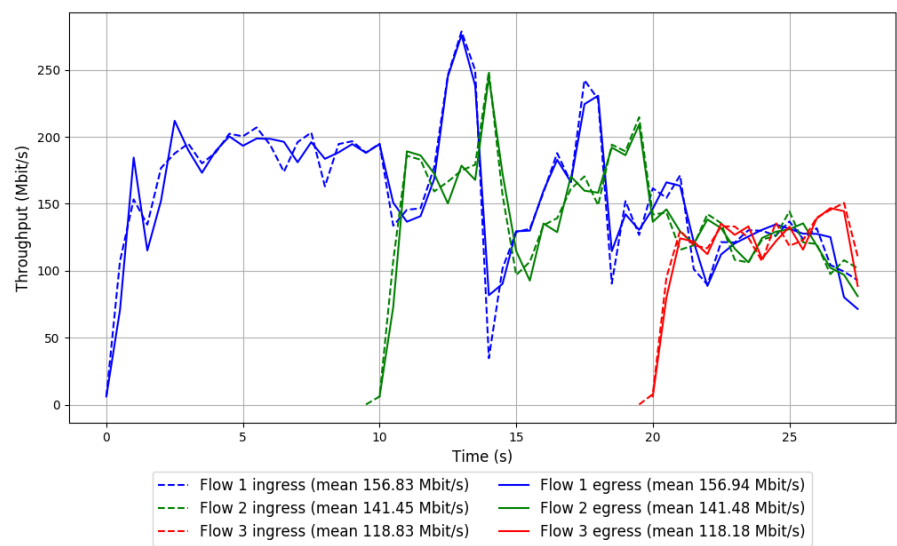


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-08 00:34:01  
End at: 2017-09-08 00:34:31  
Local clock offset: 0.034 ms  
Remote clock offset: -2.332 ms

# Below is generated by plot.py at 2017-09-08 06:08:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 280.55 Mbit/s  
95th percentile per-packet one-way delay: 108.735 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 156.94 Mbit/s  
95th percentile per-packet one-way delay: 110.218 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 141.48 Mbit/s  
95th percentile per-packet one-way delay: 105.866 ms  
Loss rate: 0.89%  
-- Flow 3:  
Average throughput: 118.18 Mbit/s  
95th percentile per-packet one-way delay: 103.226 ms  
Loss rate: 2.76%

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

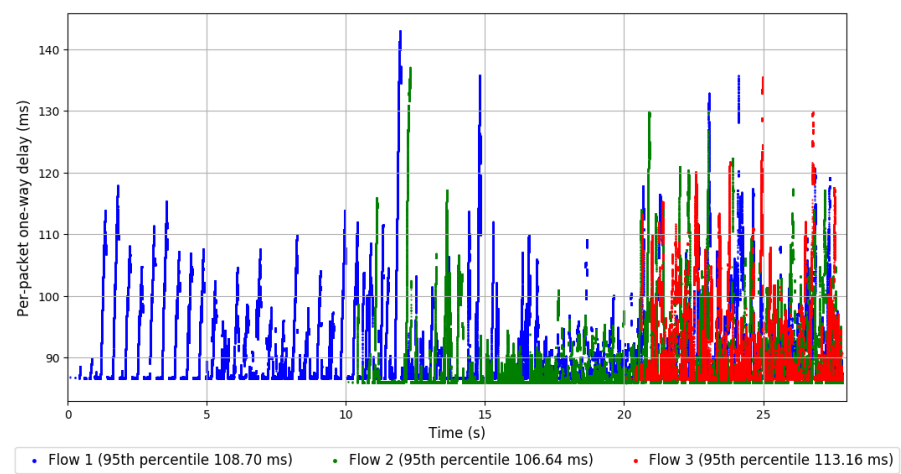
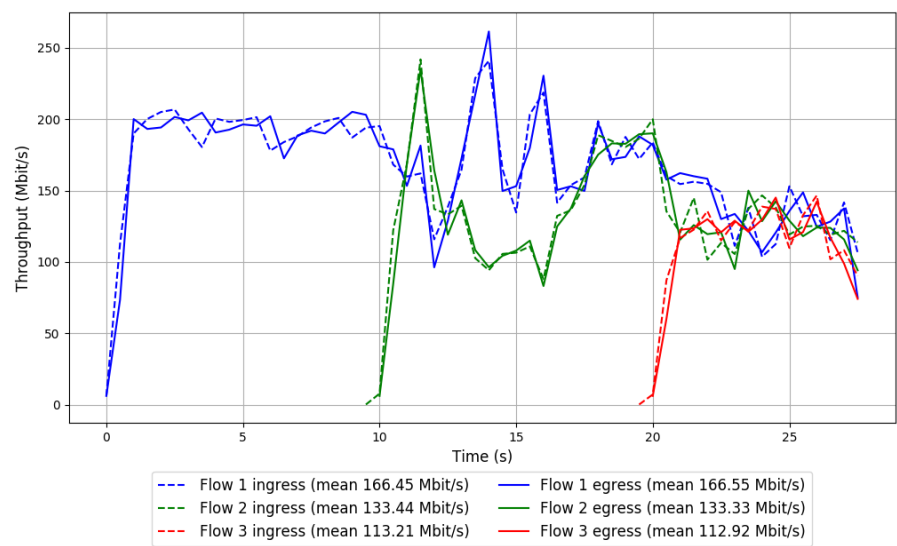


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-08 00:55:13  
End at: 2017-09-08 00:55:43  
Local clock offset: 0.064 ms  
Remote clock offset: -7.536 ms

# Below is generated by plot.py at 2017-09-08 06:09:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 283.52 Mbit/s  
95th percentile per-packet one-way delay: 108.961 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 166.55 Mbit/s  
95th percentile per-packet one-way delay: 108.702 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 133.33 Mbit/s  
95th percentile per-packet one-way delay: 106.643 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 112.92 Mbit/s  
95th percentile per-packet one-way delay: 113.162 ms  
Loss rate: 2.39%

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

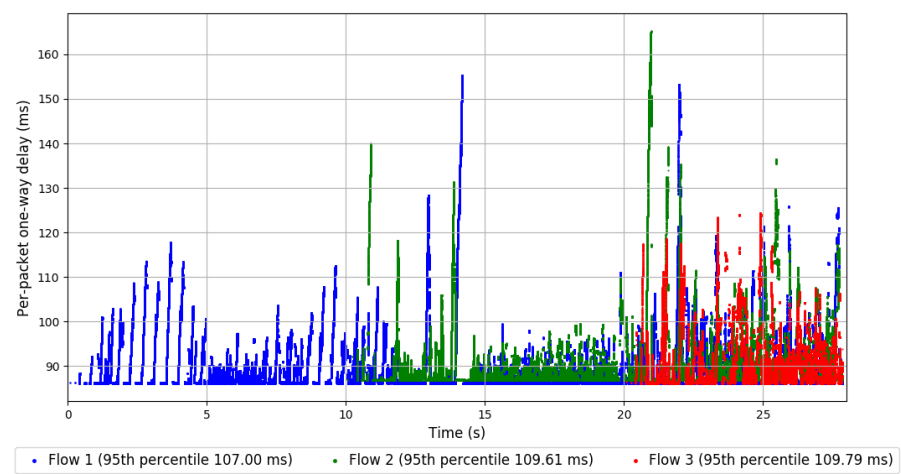
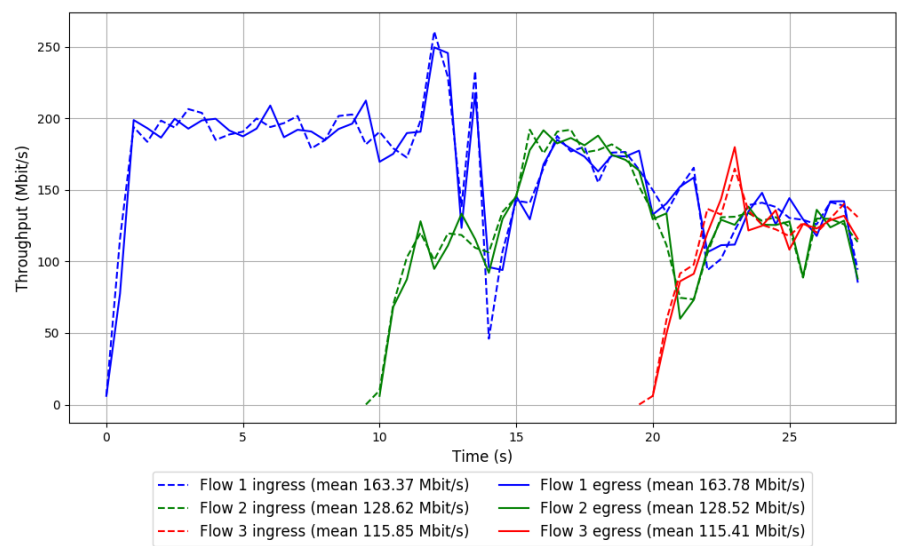


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-08 01:16:53  
End at: 2017-09-08 01:17:23  
Local clock offset: 0.058 ms  
Remote clock offset: -7.743 ms

# Below is generated by plot.py at 2017-09-08 06:09:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 278.38 Mbit/s  
95th percentile per-packet one-way delay: 107.971 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 163.78 Mbit/s  
95th percentile per-packet one-way delay: 107.003 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 128.52 Mbit/s  
95th percentile per-packet one-way delay: 109.614 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 115.41 Mbit/s  
95th percentile per-packet one-way delay: 109.788 ms  
Loss rate: 2.48%

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

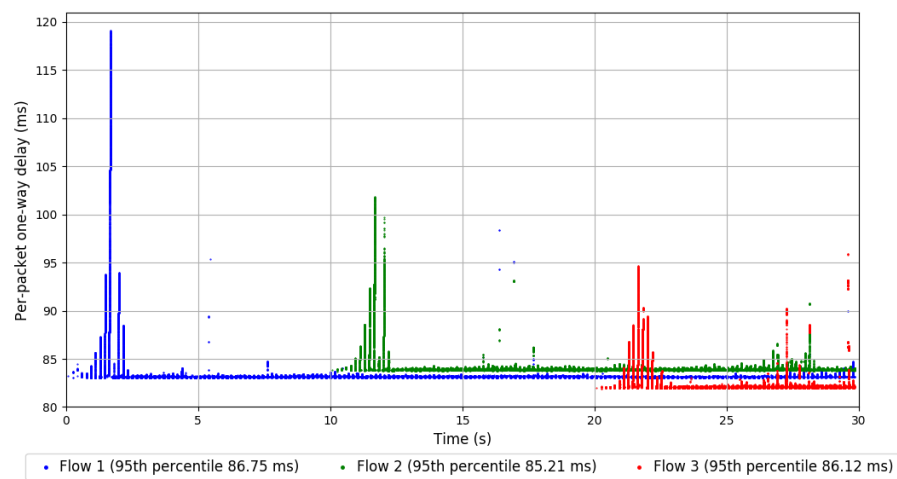
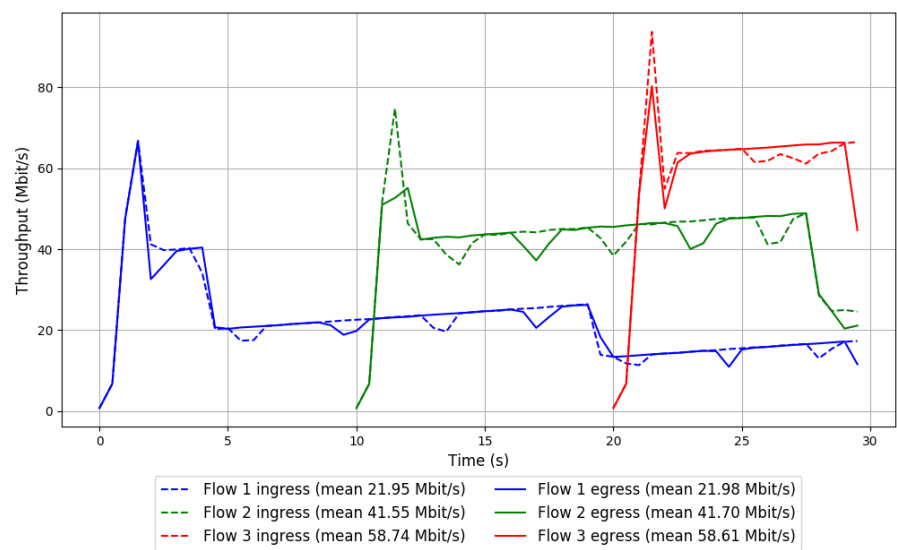


Run 1: Statistics of TCP Vegas

Start at: 2017-09-07 22:01:22  
End at: 2017-09-07 22:01:52  
Local clock offset: 0.047 ms  
Remote clock offset: -1.661 ms

# Below is generated by plot.py at 2017-09-08 06:09:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.87 Mbit/s  
95th percentile per-packet one-way delay: 85.676 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 21.98 Mbit/s  
95th percentile per-packet one-way delay: 86.753 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 41.70 Mbit/s  
95th percentile per-packet one-way delay: 85.214 ms  
Loss rate: 0.51%  
-- Flow 3:  
Average throughput: 58.61 Mbit/s  
95th percentile per-packet one-way delay: 86.118 ms  
Loss rate: 1.91%

Run 1: Report of TCP Vegas — Data Link

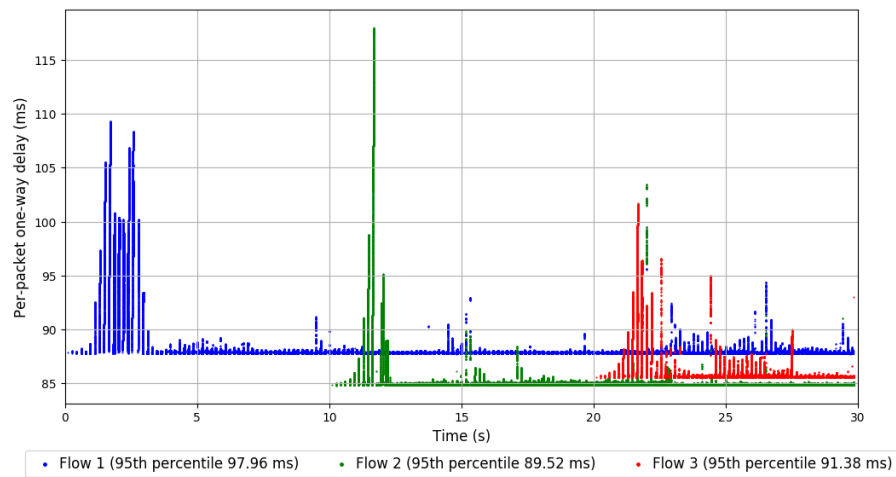
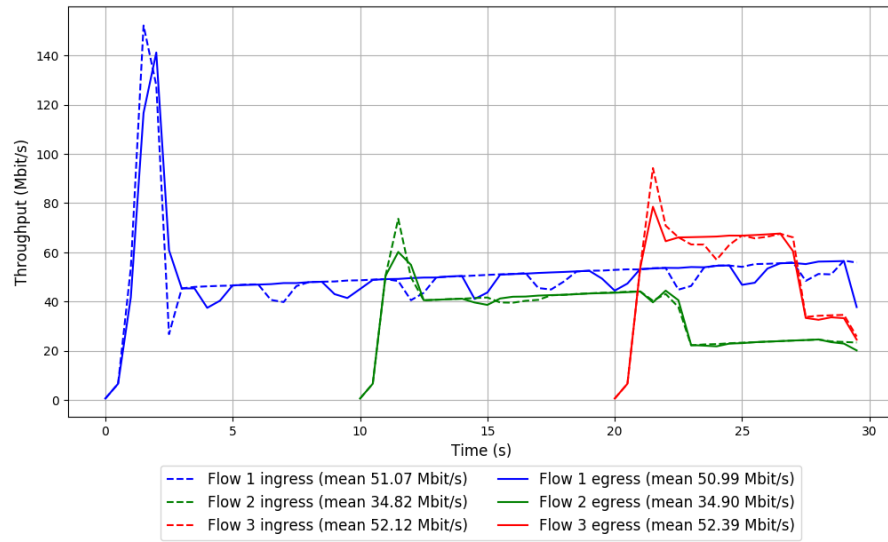


Run 2: Statistics of TCP Vegas

Start at: 2017-09-07 22:22:56  
End at: 2017-09-07 22:23:26  
Local clock offset: 0.031 ms  
Remote clock offset: -5.307 ms

# Below is generated by plot.py at 2017-09-08 06:09:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.33 Mbit/s  
95th percentile per-packet one-way delay: 94.774 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 50.99 Mbit/s  
95th percentile per-packet one-way delay: 97.956 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 34.90 Mbit/s  
95th percentile per-packet one-way delay: 89.523 ms  
Loss rate: 0.61%  
-- Flow 3:  
Average throughput: 52.39 Mbit/s  
95th percentile per-packet one-way delay: 91.376 ms  
Loss rate: 1.12%

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

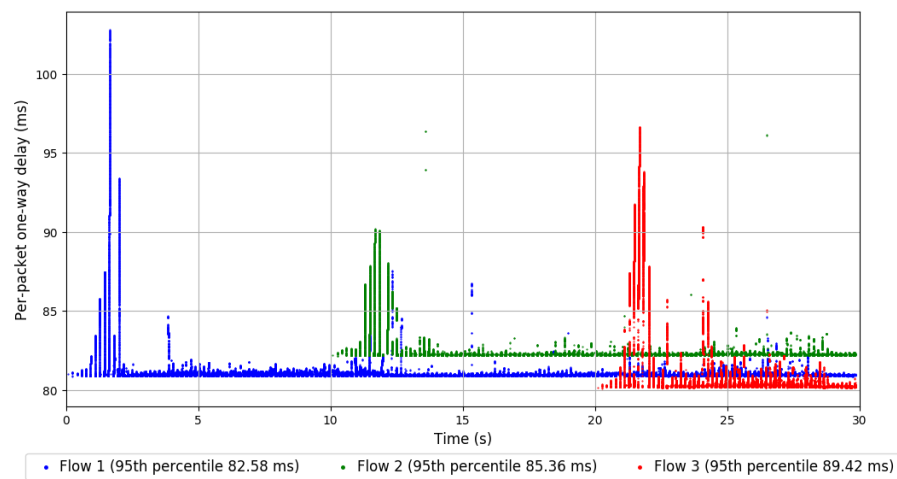
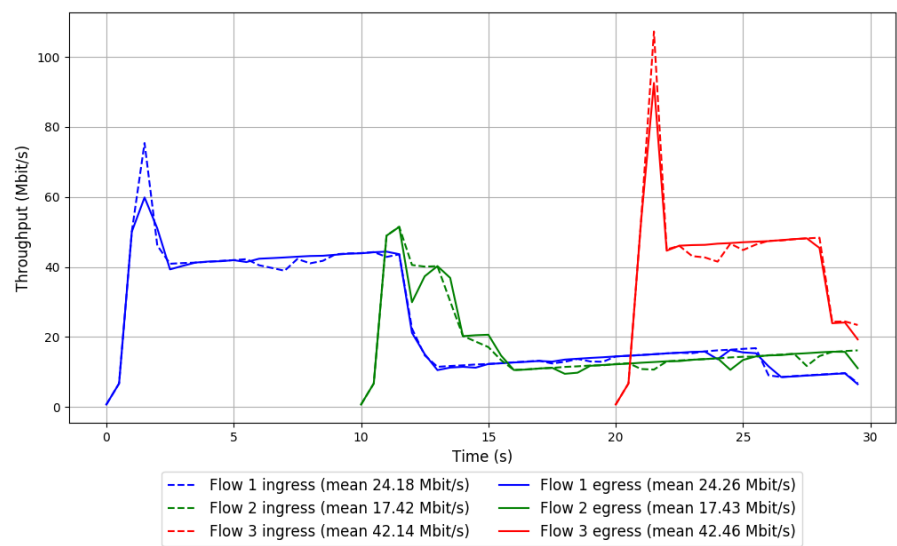


Run 3: Statistics of TCP Vegas

Start at: 2017-09-07 22:44:35  
End at: 2017-09-07 22:45:05  
Local clock offset: 0.024 ms  
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2017-09-08 06:09:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 49.73 Mbit/s  
95th percentile per-packet one-way delay: 86.218 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 24.26 Mbit/s  
95th percentile per-packet one-way delay: 82.580 ms  
Loss rate: 0.23%  
-- Flow 2:  
Average throughput: 17.43 Mbit/s  
95th percentile per-packet one-way delay: 85.364 ms  
Loss rate: 0.79%  
-- Flow 3:  
Average throughput: 42.46 Mbit/s  
95th percentile per-packet one-way delay: 89.423 ms  
Loss rate: 0.94%

Run 3: Report of TCP Vegas — Data Link

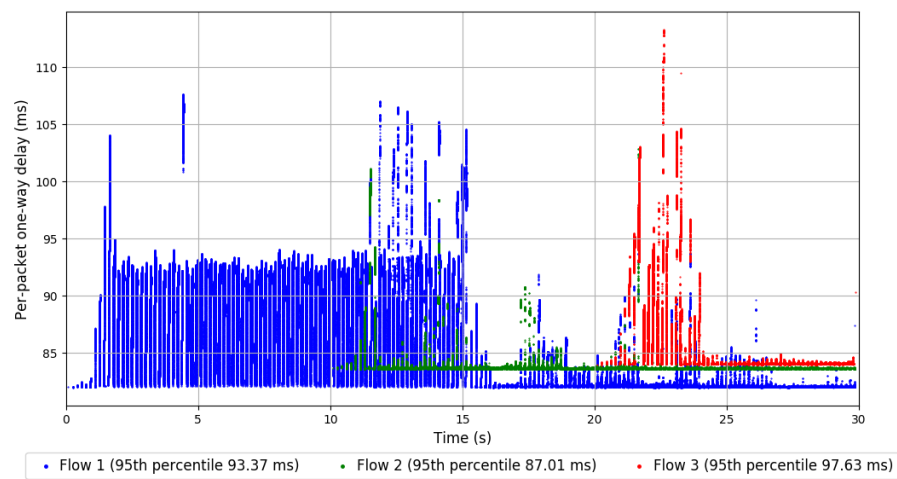
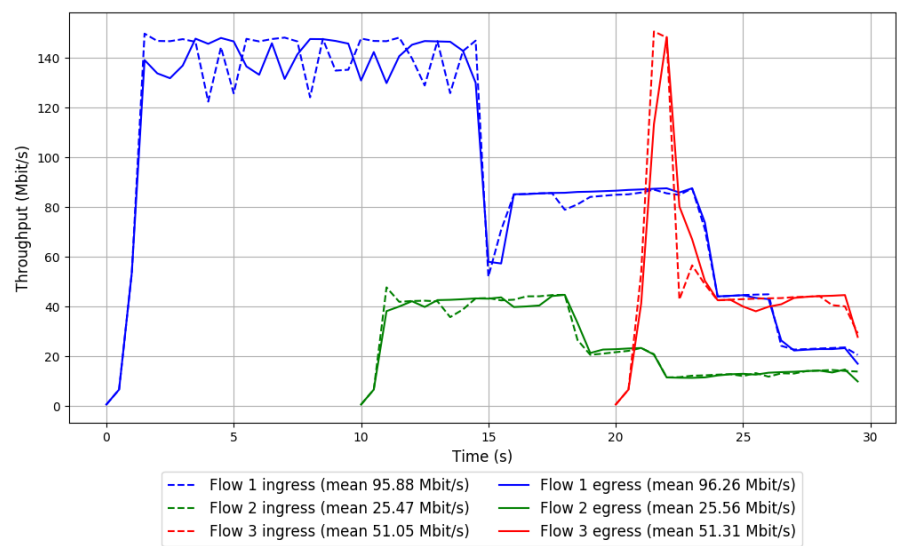


Run 4: Statistics of TCP Vegas

Start at: 2017-09-07 23:06:06  
End at: 2017-09-07 23:06:36  
Local clock offset: -0.002 ms  
Remote clock offset: -2.184 ms

# Below is generated by plot.py at 2017-09-08 06:09:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 129.99 Mbit/s  
95th percentile per-packet one-way delay: 93.747 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 96.26 Mbit/s  
95th percentile per-packet one-way delay: 93.374 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 25.56 Mbit/s  
95th percentile per-packet one-way delay: 87.009 ms  
Loss rate: 0.50%  
-- Flow 3:  
Average throughput: 51.31 Mbit/s  
95th percentile per-packet one-way delay: 97.626 ms  
Loss rate: 0.75%

Run 4: Report of TCP Vegas — Data Link

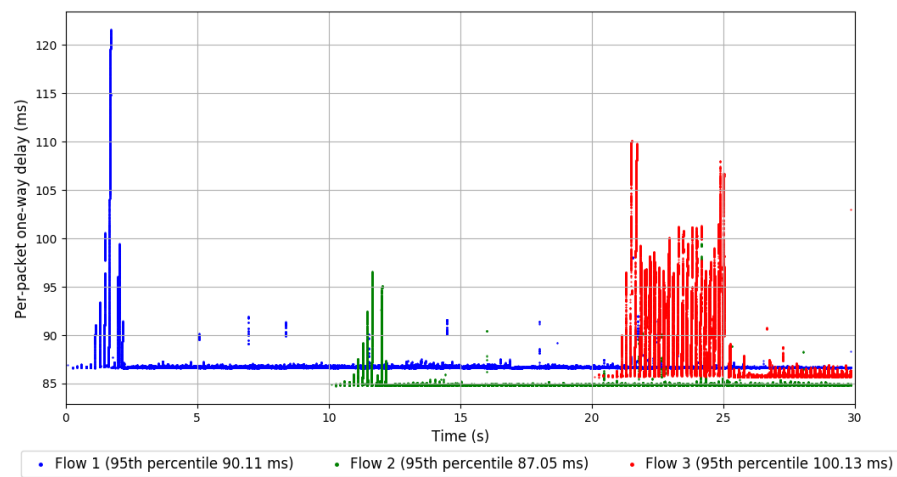
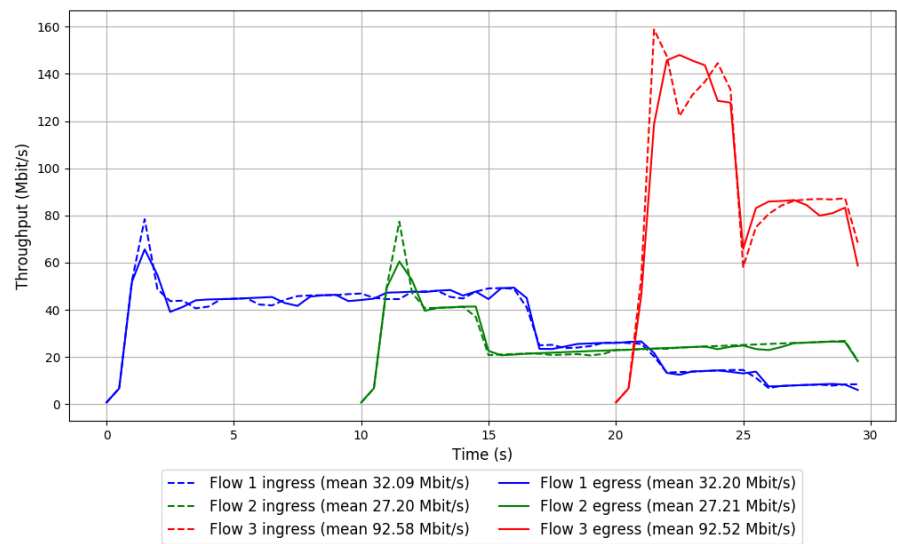


Run 5: Statistics of TCP Vegas

Start at: 2017-09-07 23:28:02  
End at: 2017-09-07 23:28:32  
Local clock offset: -0.003 ms  
Remote clock offset: -5.385 ms

# Below is generated by plot.py at 2017-09-08 06:09:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.57 Mbit/s  
95th percentile per-packet one-way delay: 97.280 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 32.20 Mbit/s  
95th percentile per-packet one-way delay: 90.108 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 87.050 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 92.52 Mbit/s  
95th percentile per-packet one-way delay: 100.133 ms  
Loss rate: 1.59%

Run 5: Report of TCP Vegas — Data Link

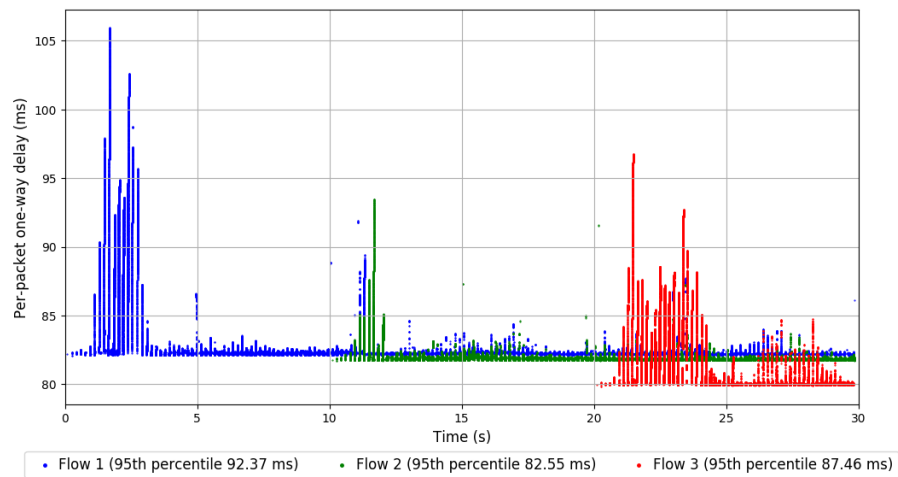
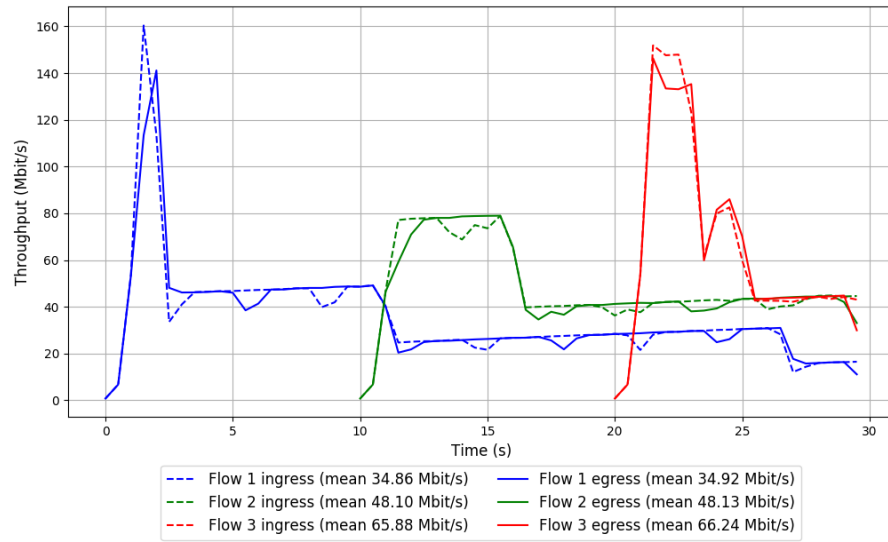


Run 6: Statistics of TCP Vegas

Start at: 2017-09-07 23:49:46  
End at: 2017-09-07 23:50:16  
Local clock offset: -0.043 ms  
Remote clock offset: -0.833 ms

# Below is generated by plot.py at 2017-09-08 06:09:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.51 Mbit/s  
95th percentile per-packet one-way delay: 87.801 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 34.92 Mbit/s  
95th percentile per-packet one-way delay: 92.372 ms  
Loss rate: 0.27%  
-- Flow 2:  
Average throughput: 48.13 Mbit/s  
95th percentile per-packet one-way delay: 82.547 ms  
Loss rate: 0.78%  
-- Flow 3:  
Average throughput: 66.24 Mbit/s  
95th percentile per-packet one-way delay: 87.463 ms  
Loss rate: 1.15%

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

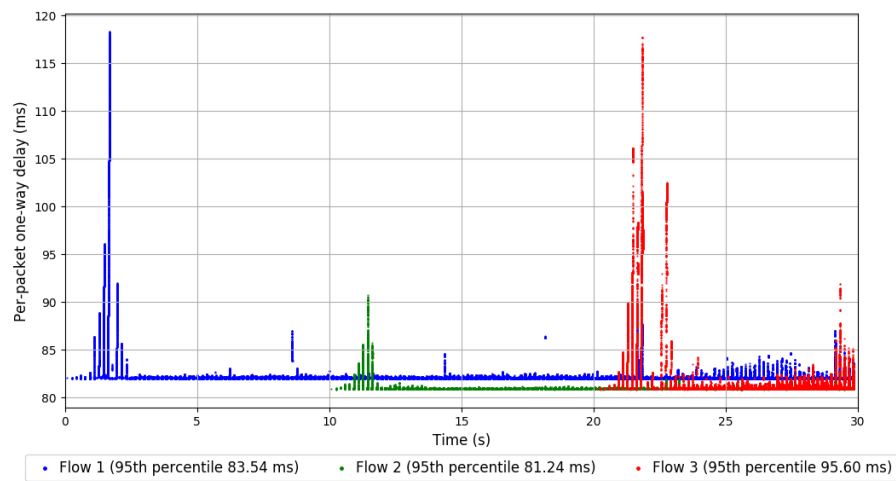
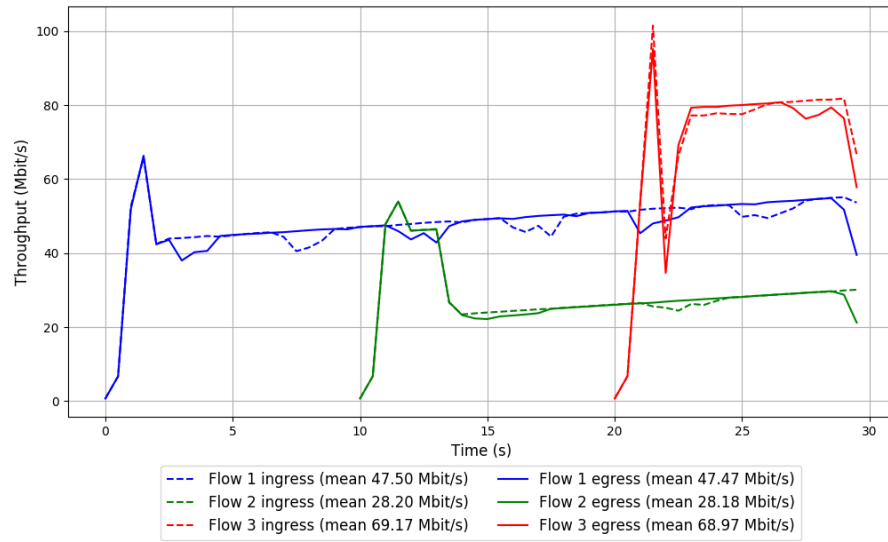


Run 7: Statistics of TCP Vegas

Start at: 2017-09-08 00:11:26  
End at: 2017-09-08 00:11:56  
Local clock offset: 0.024 ms  
Remote clock offset: -1.981 ms

# Below is generated by plot.py at 2017-09-08 06:09:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.79 Mbit/s  
95th percentile per-packet one-way delay: 84.589 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 47.47 Mbit/s  
95th percentile per-packet one-way delay: 83.537 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 28.18 Mbit/s  
95th percentile per-packet one-way delay: 81.237 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 68.97 Mbit/s  
95th percentile per-packet one-way delay: 95.600 ms  
Loss rate: 1.99%

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

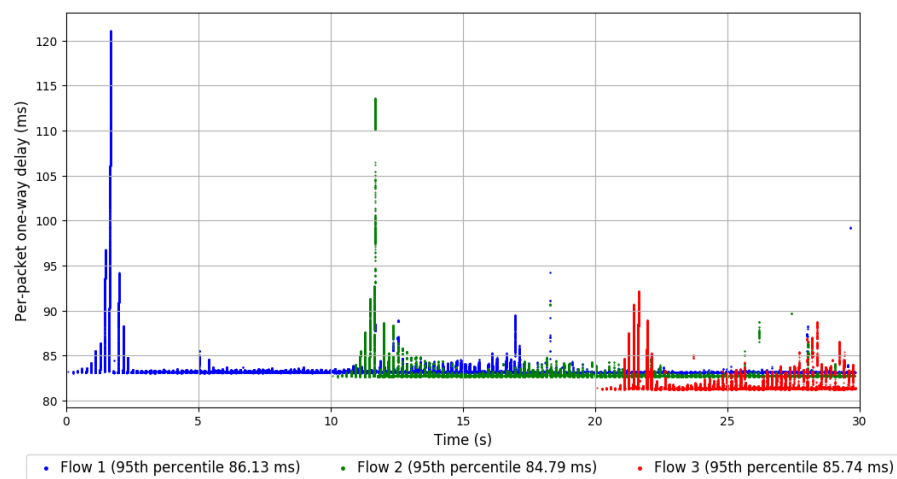
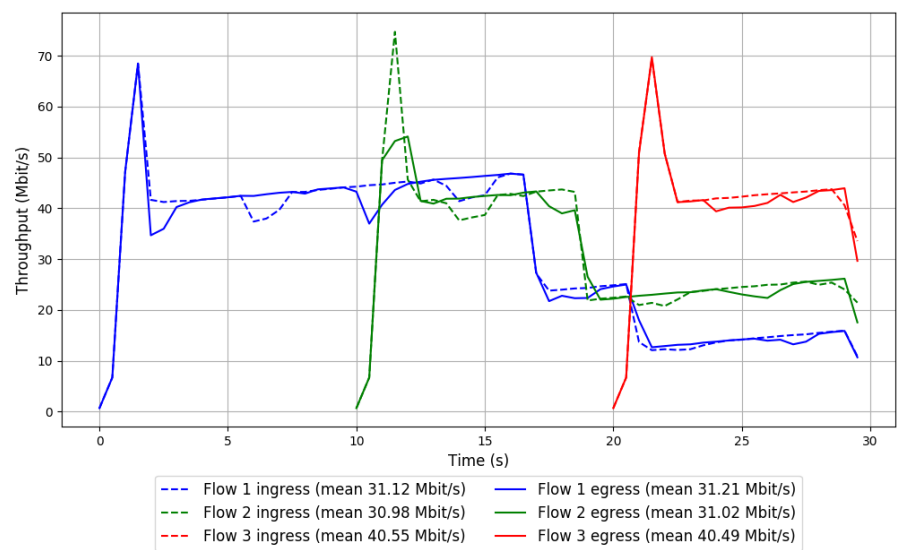


Run 8: Statistics of TCP Vegas

Start at: 2017-09-08 00:32:43  
End at: 2017-09-08 00:33:13  
Local clock offset: 0.036 ms  
Remote clock offset: -2.347 ms

# Below is generated by plot.py at 2017-09-08 06:09:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.05 Mbit/s  
95th percentile per-packet one-way delay: 85.751 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 31.21 Mbit/s  
95th percentile per-packet one-way delay: 86.128 ms  
Loss rate: 0.29%  
-- Flow 2:  
Average throughput: 31.02 Mbit/s  
95th percentile per-packet one-way delay: 84.786 ms  
Loss rate: 0.72%  
-- Flow 3:  
Average throughput: 40.49 Mbit/s  
95th percentile per-packet one-way delay: 85.737 ms  
Loss rate: 1.84%

Run 8: Report of TCP Vegas — Data Link

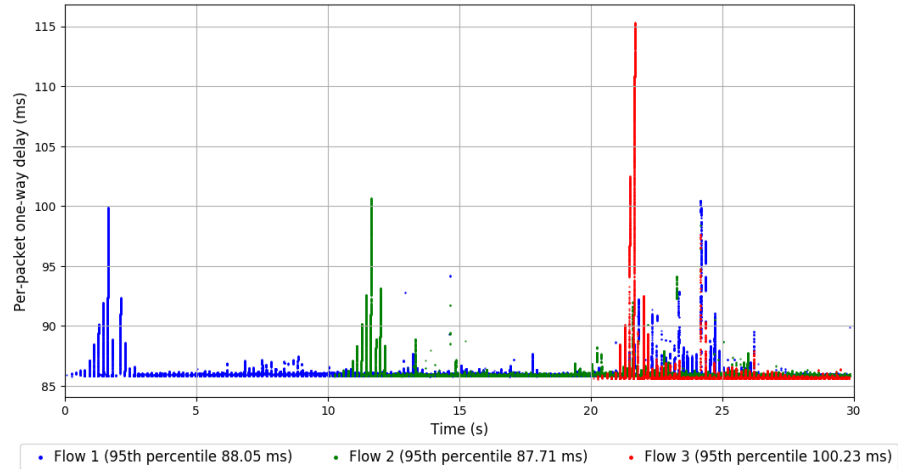
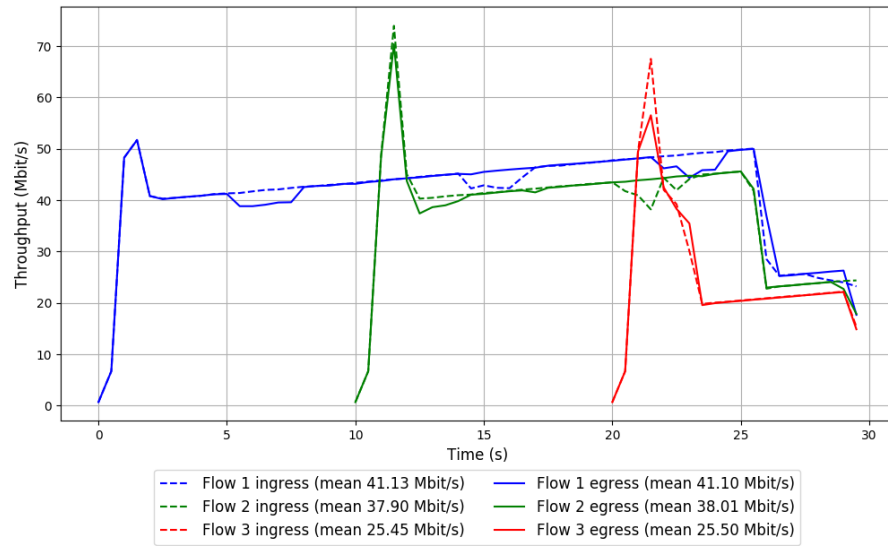


Run 9: Statistics of TCP Vegas

Start at: 2017-09-08 00:53:54  
End at: 2017-09-08 00:54:24  
Local clock offset: 0.053 ms  
Remote clock offset: -7.369 ms

# Below is generated by plot.py at 2017-09-08 06:10:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 74.64 Mbit/s  
95th percentile per-packet one-way delay: 88.508 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 41.10 Mbit/s  
95th percentile per-packet one-way delay: 88.053 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 38.01 Mbit/s  
95th percentile per-packet one-way delay: 87.710 ms  
Loss rate: 0.55%  
-- Flow 3:  
Average throughput: 25.50 Mbit/s  
95th percentile per-packet one-way delay: 100.231 ms  
Loss rate: 1.49%

# Run 9: Report of TCP Vegas — Data Link

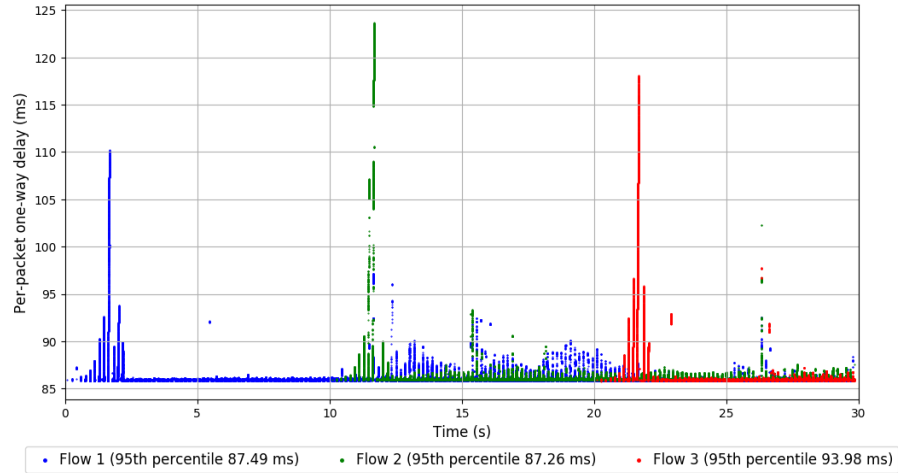
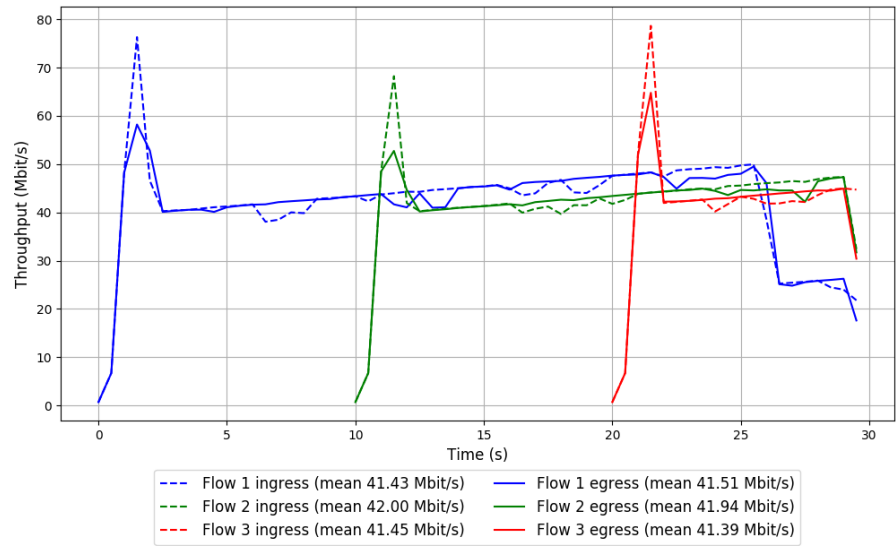


Run 10: Statistics of TCP Vegas

Start at: 2017-09-08 01:15:33  
End at: 2017-09-08 01:16:03  
Local clock offset: 0.033 ms  
Remote clock offset: -7.576 ms

# Below is generated by plot.py at 2017-09-08 06:10:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.86 Mbit/s  
95th percentile per-packet one-way delay: 88.148 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 41.51 Mbit/s  
95th percentile per-packet one-way delay: 87.487 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 41.94 Mbit/s  
95th percentile per-packet one-way delay: 87.258 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 41.39 Mbit/s  
95th percentile per-packet one-way delay: 93.980 ms  
Loss rate: 1.84%

# Run 10: Report of TCP Vegas — Data Link

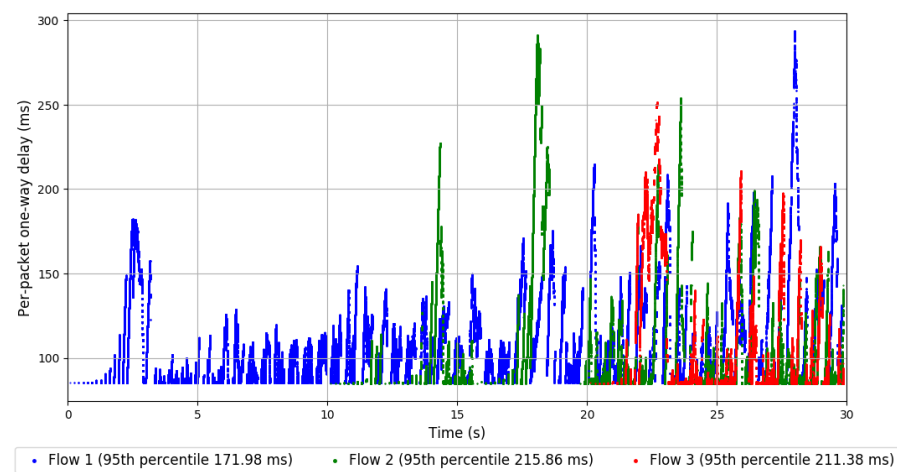
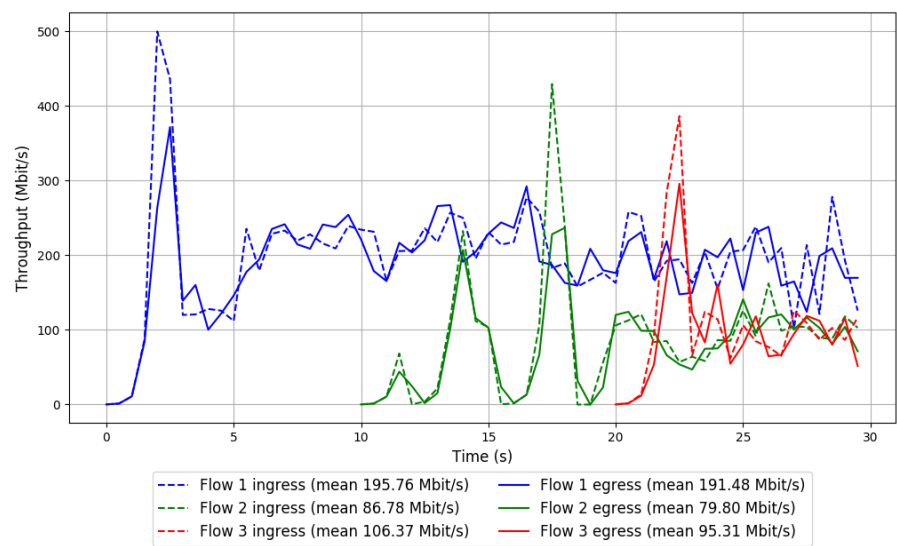


Run 1: Statistics of Verus

Start at: 2017-09-07 21:48:45  
End at: 2017-09-07 21:49:15  
Local clock offset: 0.071 ms  
Remote clock offset: -5.771 ms

# Below is generated by plot.py at 2017-09-08 06:10:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 275.06 Mbit/s  
95th percentile per-packet one-way delay: 185.972 ms  
Loss rate: 5.20%  
-- Flow 1:  
Average throughput: 191.48 Mbit/s  
95th percentile per-packet one-way delay: 171.983 ms  
Loss rate: 2.97%  
-- Flow 2:  
Average throughput: 79.80 Mbit/s  
95th percentile per-packet one-way delay: 215.859 ms  
Loss rate: 8.80%  
-- Flow 3:  
Average throughput: 95.31 Mbit/s  
95th percentile per-packet one-way delay: 211.379 ms  
Loss rate: 11.71%

Run 1: Report of Verus — Data Link

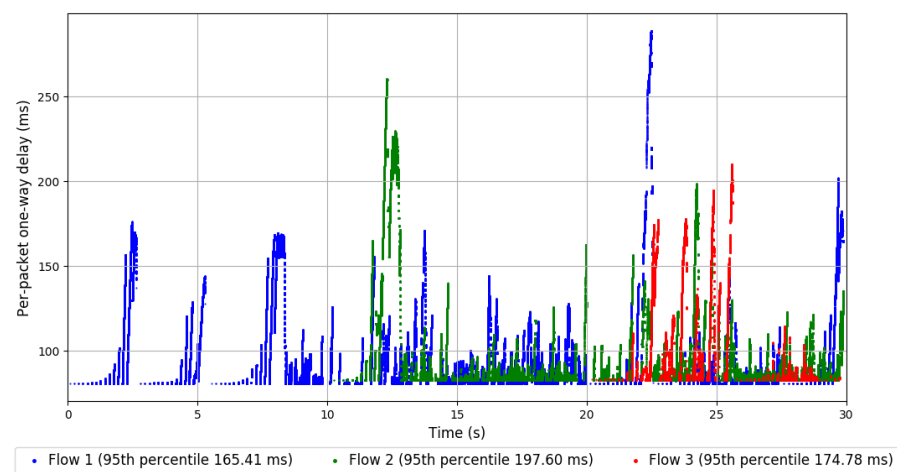
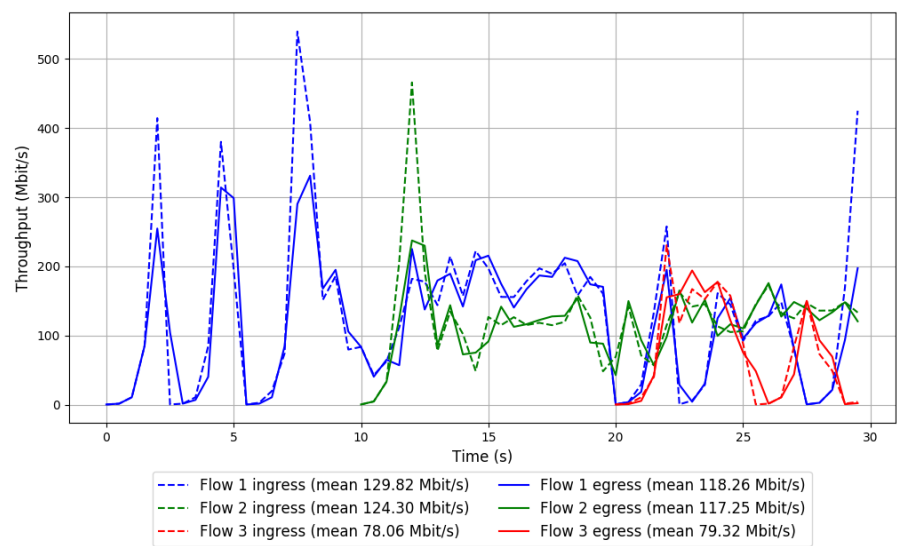


Run 2: Statistics of Verus

Start at: 2017-09-07 22:10:23  
End at: 2017-09-07 22:10:53  
Local clock offset: 0.025 ms  
Remote clock offset: -1.537 ms

# Below is generated by plot.py at 2017-09-08 06:10:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 221.50 Mbit/s  
95th percentile per-packet one-way delay: 171.170 ms  
Loss rate: 7.26%  
-- Flow 1:  
Average throughput: 118.26 Mbit/s  
95th percentile per-packet one-way delay: 165.408 ms  
Loss rate: 9.40%  
-- Flow 2:  
Average throughput: 117.25 Mbit/s  
95th percentile per-packet one-way delay: 197.599 ms  
Loss rate: 6.05%  
-- Flow 3:  
Average throughput: 79.32 Mbit/s  
95th percentile per-packet one-way delay: 174.778 ms  
Loss rate: 0.18%

Run 2: Report of Verus — Data Link

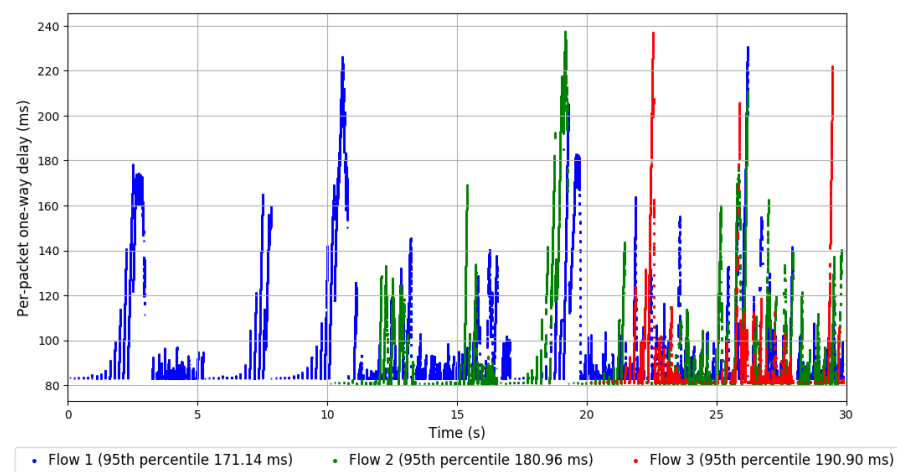
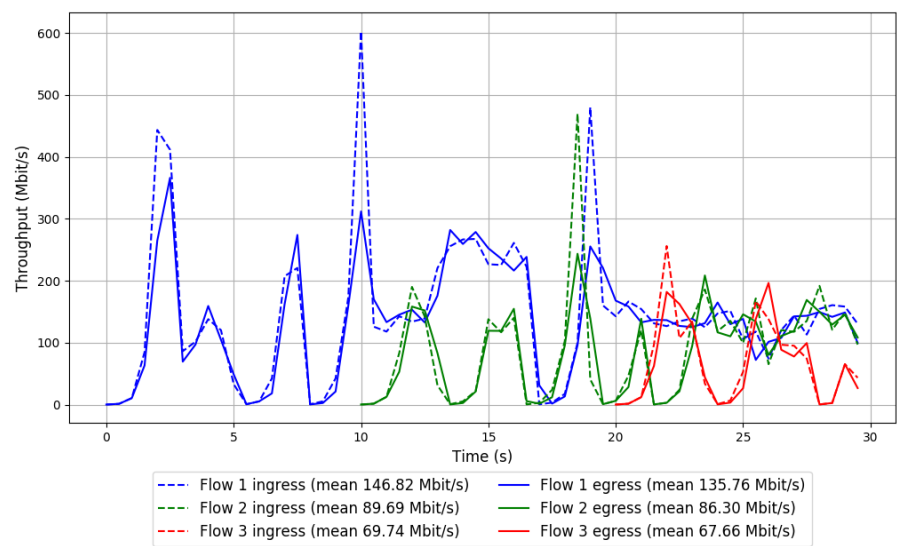


Run 3: Statistics of Verus

Start at: 2017-09-07 22:31:57  
End at: 2017-09-07 22:32:27  
Local clock offset: 0.023 ms  
Remote clock offset: -1.244 ms

# Below is generated by plot.py at 2017-09-08 06:10:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 214.92 Mbit/s  
95th percentile per-packet one-way delay: 172.237 ms  
Loss rate: 6.88%  
-- Flow 1:  
Average throughput: 135.76 Mbit/s  
95th percentile per-packet one-way delay: 171.144 ms  
Loss rate: 8.03%  
-- Flow 2:  
Average throughput: 86.30 Mbit/s  
95th percentile per-packet one-way delay: 180.958 ms  
Loss rate: 4.92%  
-- Flow 3:  
Average throughput: 67.66 Mbit/s  
95th percentile per-packet one-way delay: 190.902 ms  
Loss rate: 4.64%

Run 3: Report of Verus — Data Link

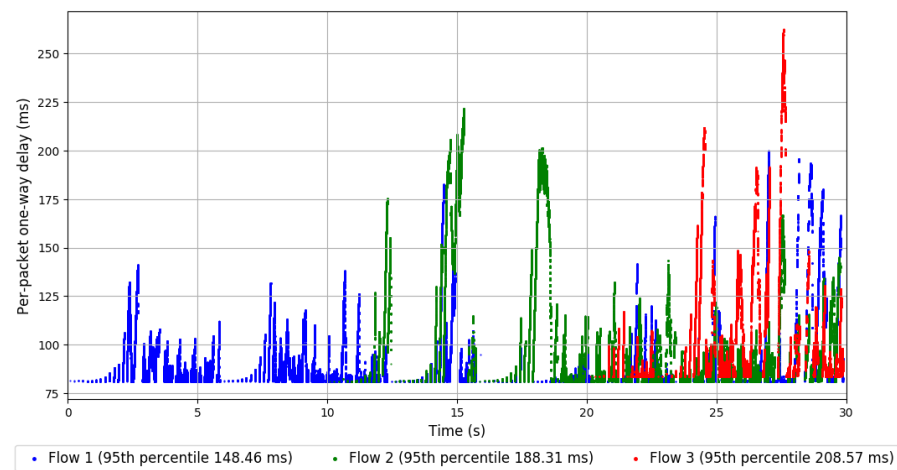
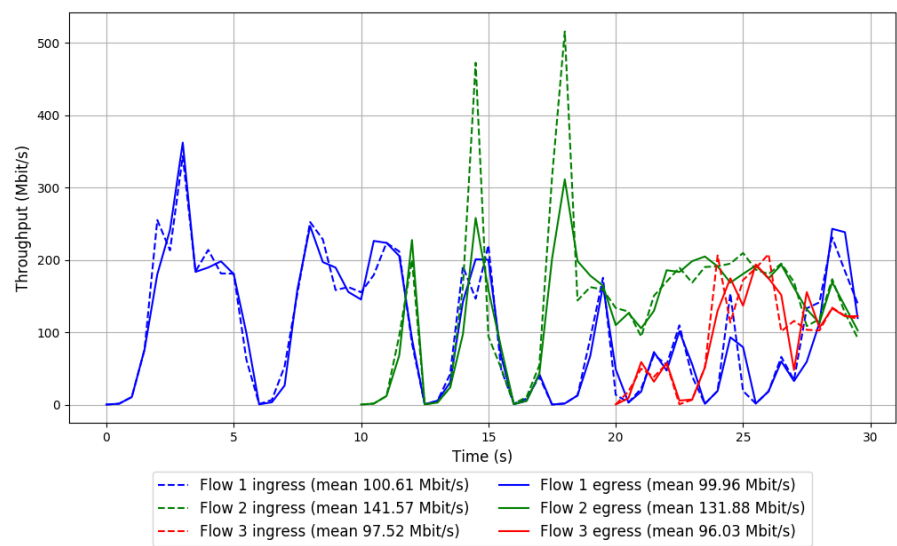


Run 4: Statistics of Verus

Start at: 2017-09-07 22:53:32  
End at: 2017-09-07 22:54:02  
Local clock offset: -0.004 ms  
Remote clock offset: -1.24 ms

# Below is generated by plot.py at 2017-09-08 06:11:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 218.38 Mbit/s  
95th percentile per-packet one-way delay: 181.932 ms  
Loss rate: 4.19%  
-- Flow 1:  
Average throughput: 99.96 Mbit/s  
95th percentile per-packet one-way delay: 148.461 ms  
Loss rate: 1.19%  
-- Flow 2:  
Average throughput: 131.88 Mbit/s  
95th percentile per-packet one-way delay: 188.308 ms  
Loss rate: 8.14%  
-- Flow 3:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 208.566 ms  
Loss rate: 2.02%

Run 4: Report of Verus — Data Link

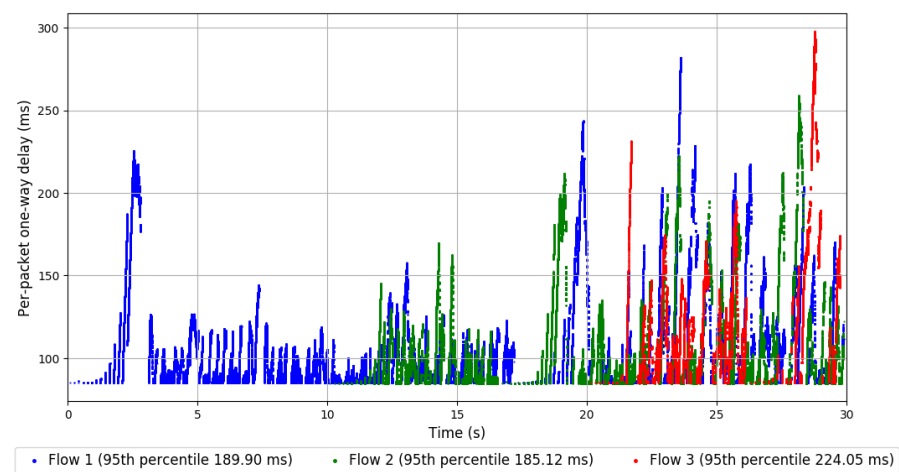
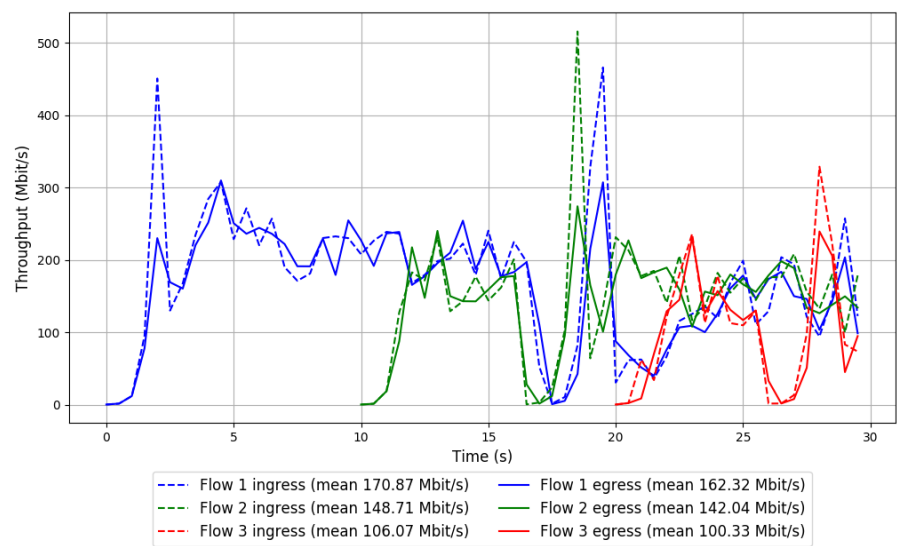


Run 5: Statistics of Verus

Start at: 2017-09-07 23:15:11  
End at: 2017-09-07 23:15:41  
Local clock offset: -0.005 ms  
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2017-09-08 06:11:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 288.91 Mbit/s  
95th percentile per-packet one-way delay: 190.693 ms  
Loss rate: 5.64%  
-- Flow 1:  
Average throughput: 162.32 Mbit/s  
95th percentile per-packet one-way delay: 189.903 ms  
Loss rate: 5.52%  
-- Flow 2:  
Average throughput: 142.04 Mbit/s  
95th percentile per-packet one-way delay: 185.122 ms  
Loss rate: 4.87%  
-- Flow 3:  
Average throughput: 100.33 Mbit/s  
95th percentile per-packet one-way delay: 224.047 ms  
Loss rate: 8.32%

Run 5: Report of Verus — Data Link

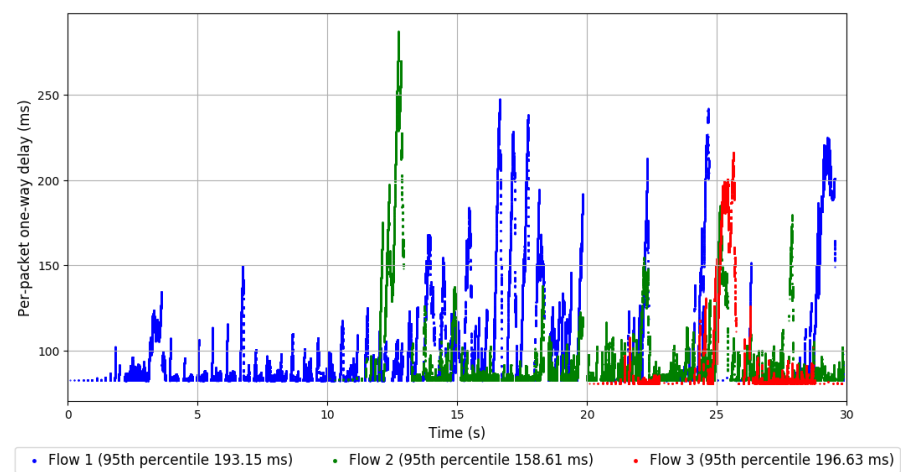
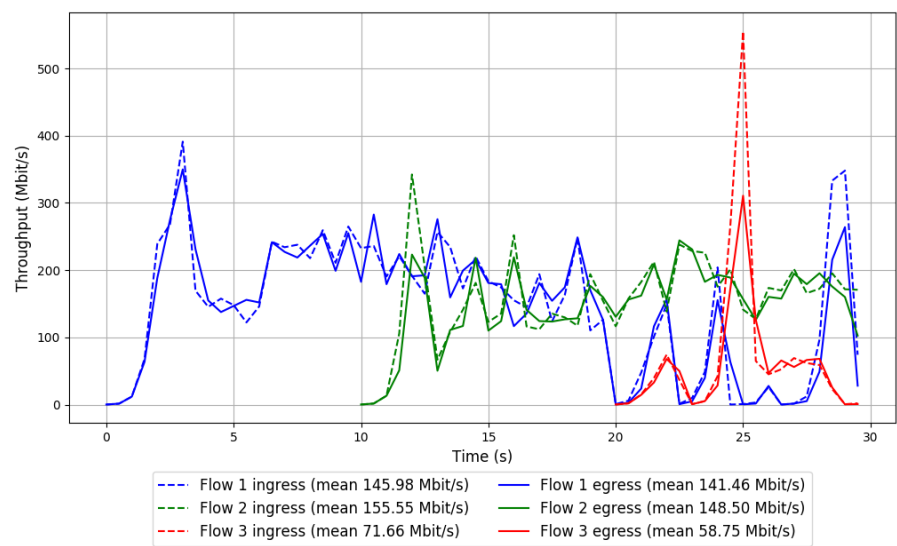


Run 6: Statistics of Verus

Start at: 2017-09-07 23:37:10  
End at: 2017-09-07 23:37:40  
Local clock offset: -0.044 ms  
Remote clock offset: -1.618 ms

# Below is generated by plot.py at 2017-09-08 06:11:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 259.14 Mbit/s  
95th percentile per-packet one-way delay: 189.503 ms  
Loss rate: 5.63%  
-- Flow 1:  
Average throughput: 141.46 Mbit/s  
95th percentile per-packet one-way delay: 193.148 ms  
Loss rate: 3.62%  
-- Flow 2:  
Average throughput: 148.50 Mbit/s  
95th percentile per-packet one-way delay: 158.612 ms  
Loss rate: 5.31%  
-- Flow 3:  
Average throughput: 58.75 Mbit/s  
95th percentile per-packet one-way delay: 196.631 ms  
Loss rate: 19.41%

Run 6: Report of Verus — Data Link

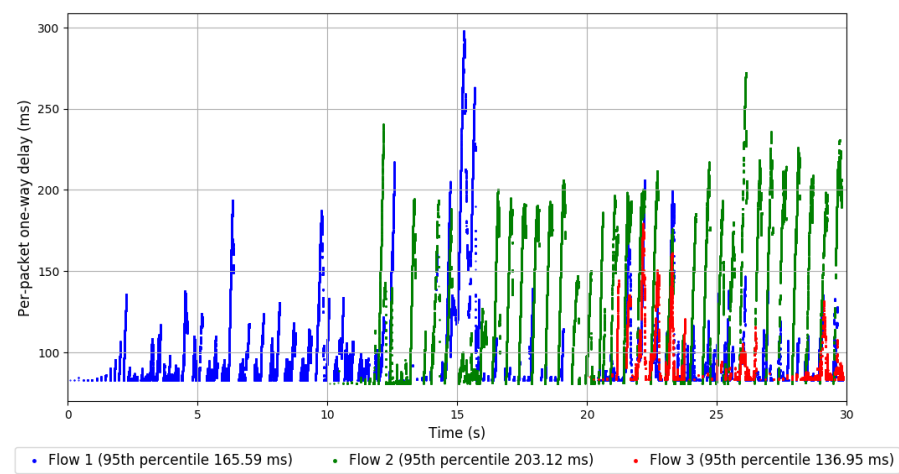
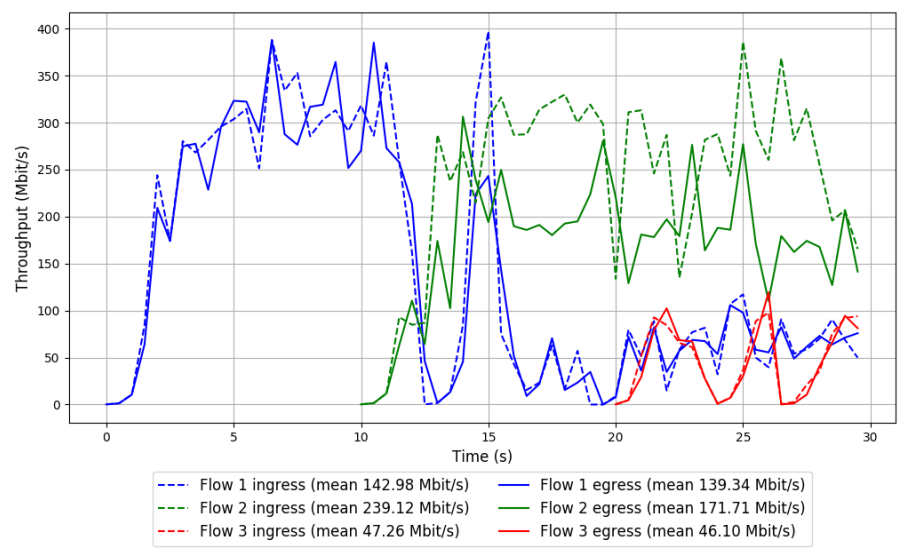


Run 7: Statistics of Verus

Start at: 2017-09-07 23:58:47  
End at: 2017-09-07 23:59:17  
Local clock offset: -0.012 ms  
Remote clock offset: -1.844 ms

# Below is generated by plot.py at 2017-09-08 06:12:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 267.94 Mbit/s  
95th percentile per-packet one-way delay: 194.821 ms  
Loss rate: 16.20%  
-- Flow 1:  
Average throughput: 139.34 Mbit/s  
95th percentile per-packet one-way delay: 165.591 ms  
Loss rate: 3.23%  
-- Flow 2:  
Average throughput: 171.71 Mbit/s  
95th percentile per-packet one-way delay: 203.125 ms  
Loss rate: 29.04%  
-- Flow 3:  
Average throughput: 46.10 Mbit/s  
95th percentile per-packet one-way delay: 136.950 ms  
Loss rate: 4.09%

Run 7: Report of Verus — Data Link

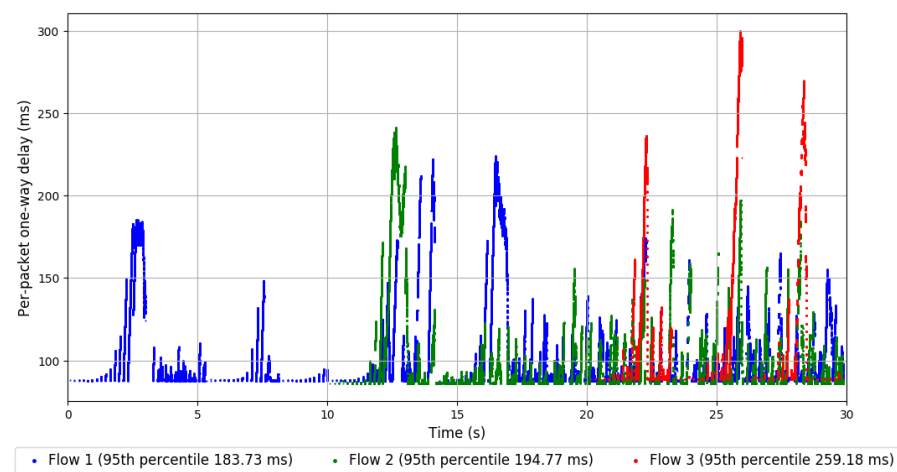
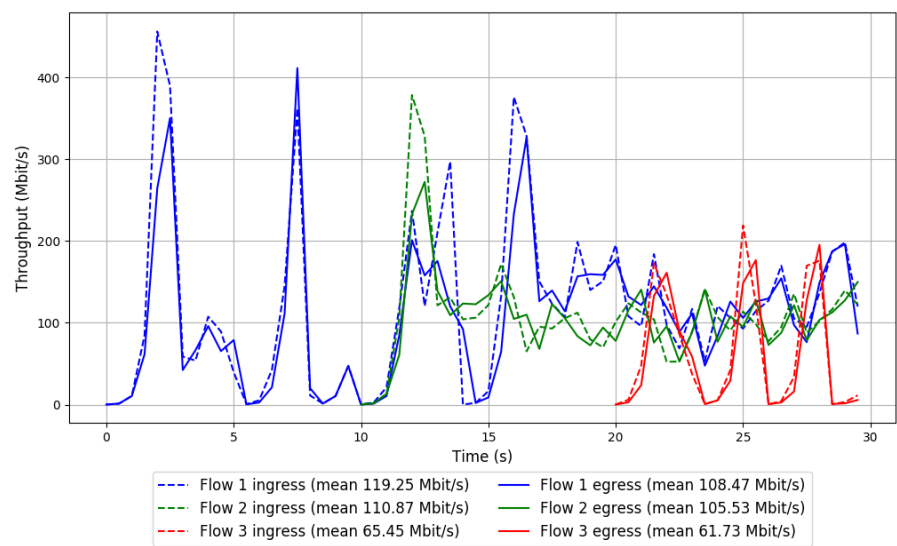


Run 8: Statistics of Verus

Start at: 2017-09-08 00:20:17  
End at: 2017-09-08 00:20:47  
Local clock offset: 0.053 ms  
Remote clock offset: -7.054 ms

# Below is generated by plot.py at 2017-09-08 06:12:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 198.32 Mbit/s  
95th percentile per-packet one-way delay: 198.068 ms  
Loss rate: 7.84%  
-- Flow 1:  
Average throughput: 108.47 Mbit/s  
95th percentile per-packet one-way delay: 183.726 ms  
Loss rate: 9.56%  
-- Flow 2:  
Average throughput: 105.53 Mbit/s  
95th percentile per-packet one-way delay: 194.767 ms  
Loss rate: 5.18%  
-- Flow 3:  
Average throughput: 61.73 Mbit/s  
95th percentile per-packet one-way delay: 259.175 ms  
Loss rate: 7.35%

Run 8: Report of Verus — Data Link

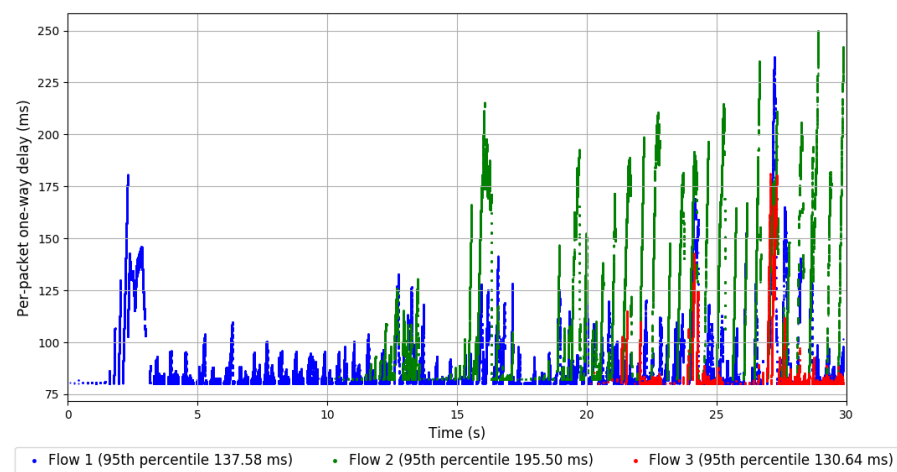
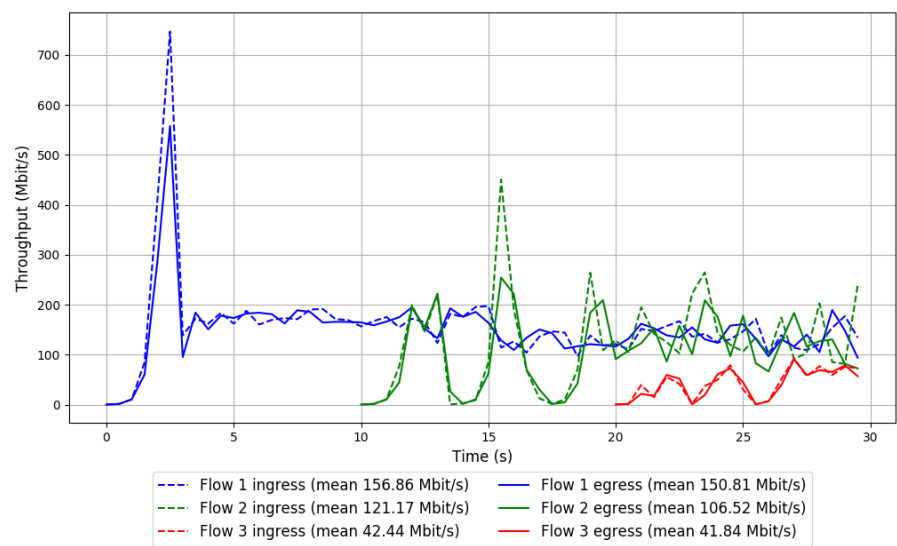


Run 9: Statistics of Verus

Start at: 2017-09-08 00:41:21  
End at: 2017-09-08 00:41:51  
Local clock offset: 0.074 ms  
Remote clock offset: -1.529 ms

# Below is generated by plot.py at 2017-09-08 06:12:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 235.17 Mbit/s  
95th percentile per-packet one-way delay: 178.663 ms  
Loss rate: 6.78%  
-- Flow 1:  
Average throughput: 150.81 Mbit/s  
95th percentile per-packet one-way delay: 137.580 ms  
Loss rate: 4.37%  
-- Flow 2:  
Average throughput: 106.52 Mbit/s  
95th percentile per-packet one-way delay: 195.501 ms  
Loss rate: 12.15%  
-- Flow 3:  
Average throughput: 41.84 Mbit/s  
95th percentile per-packet one-way delay: 130.639 ms  
Loss rate: 3.11%

Run 9: Report of Verus — Data Link

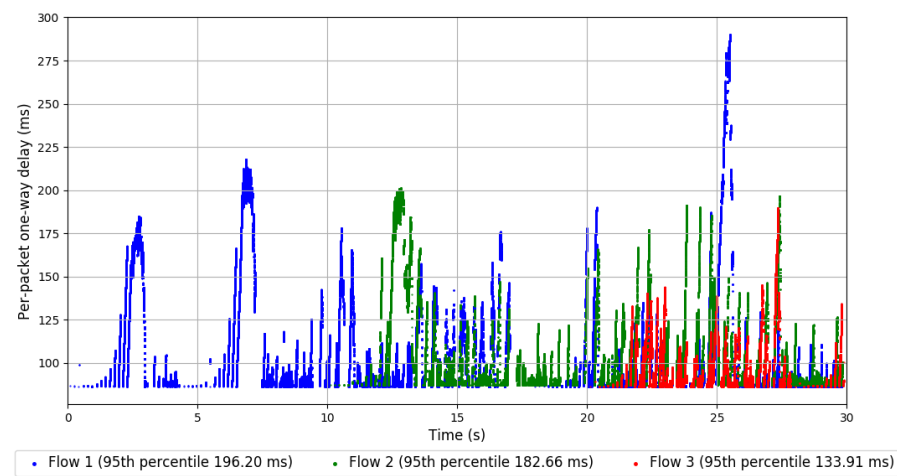
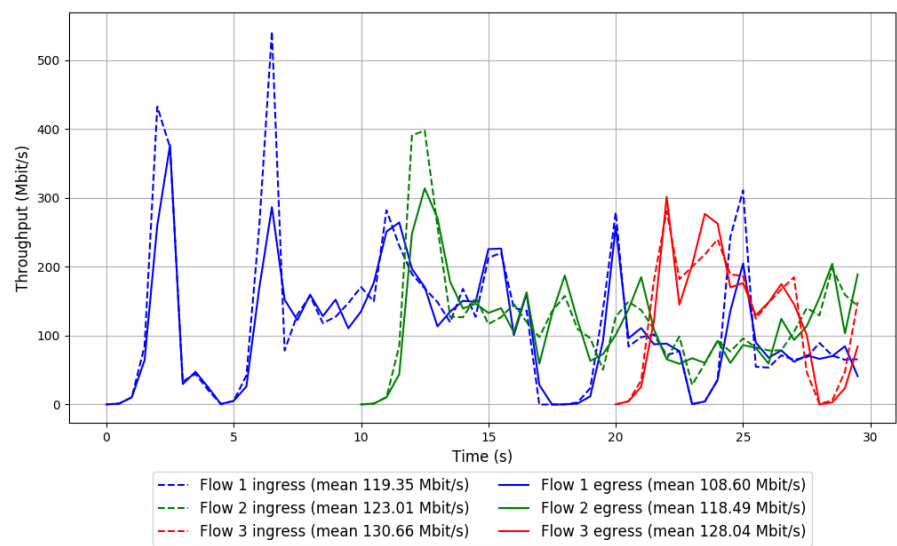


Run 10: Statistics of Verus

Start at: 2017-09-08 01:02:58  
End at: 2017-09-08 01:03:28  
Local clock offset: 0.156 ms  
Remote clock offset: -7.671 ms

# Below is generated by plot.py at 2017-09-08 06:12:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 228.80 Mbit/s  
95th percentile per-packet one-way delay: 182.584 ms  
Loss rate: 6.67%  
-- Flow 1:  
Average throughput: 108.60 Mbit/s  
95th percentile per-packet one-way delay: 196.199 ms  
Loss rate: 9.73%  
-- Flow 2:  
Average throughput: 118.49 Mbit/s  
95th percentile per-packet one-way delay: 182.660 ms  
Loss rate: 3.81%  
-- Flow 3:  
Average throughput: 128.04 Mbit/s  
95th percentile per-packet one-way delay: 133.915 ms  
Loss rate: 3.57%

Run 10: Report of Verus — Data Link

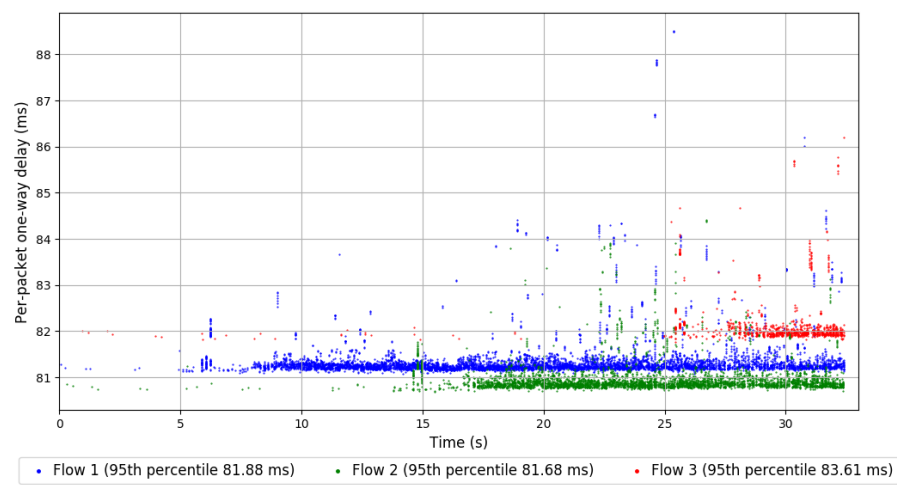
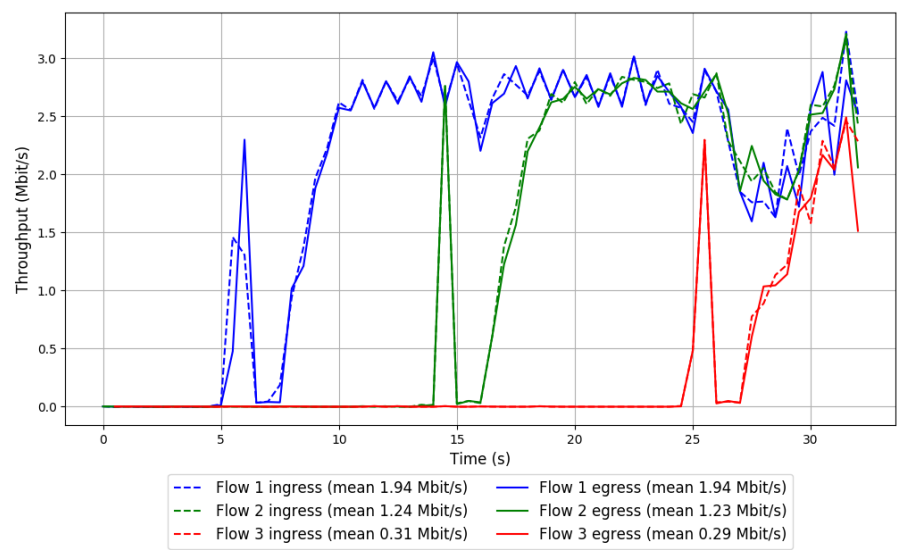


Run 1: Statistics of WebRTC media

Start at: 2017-09-07 21:54:19  
End at: 2017-09-07 21:54:49  
Local clock offset: -0.013 ms  
Remote clock offset: -1.788 ms

# Below is generated by plot.py at 2017-09-08 06:12:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.44 Mbit/s  
95th percentile per-packet one-way delay: 82.088 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 81.883 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 1.23 Mbit/s  
95th percentile per-packet one-way delay: 81.679 ms  
Loss rate: 0.98%  
-- Flow 3:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 83.610 ms  
Loss rate: 5.66%

Run 1: Report of WebRTC media — Data Link

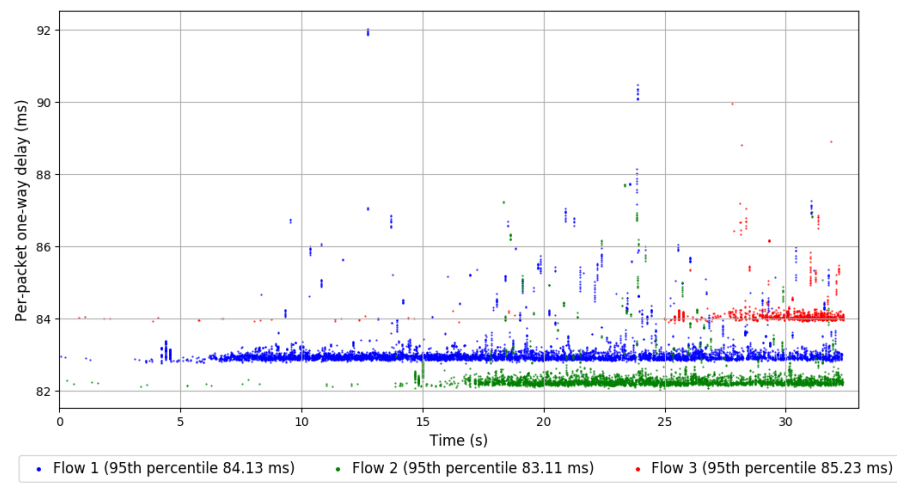
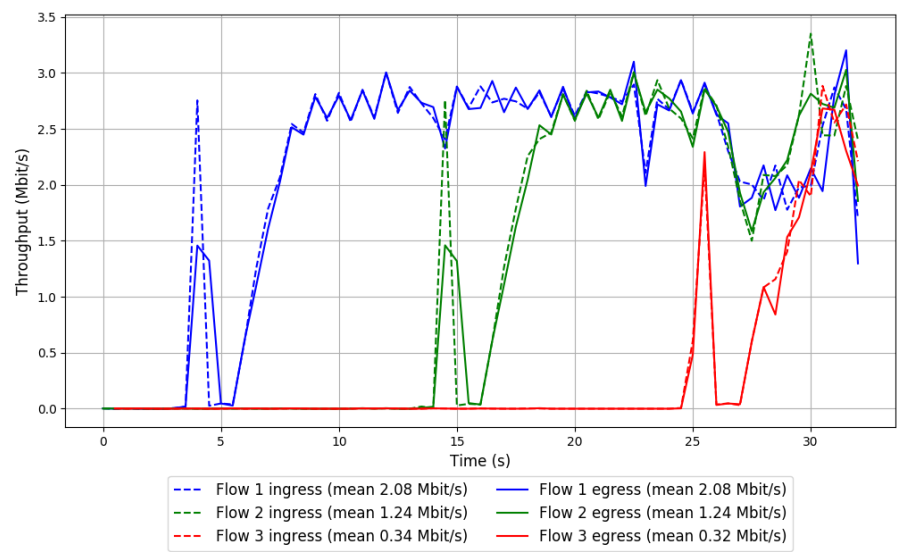


Run 2: Statistics of WebRTC media

Start at: 2017-09-07 22:15:51  
End at: 2017-09-07 22:16:21  
Local clock offset: 0.037 ms  
Remote clock offset: -2.354 ms

# Below is generated by plot.py at 2017-09-08 06:12:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.63 Mbit/s  
95th percentile per-packet one-way delay: 84.174 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 84.132 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 1.24 Mbit/s  
95th percentile per-packet one-way delay: 83.108 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 85.229 ms  
Loss rate: 4.76%

Run 2: Report of WebRTC media — Data Link

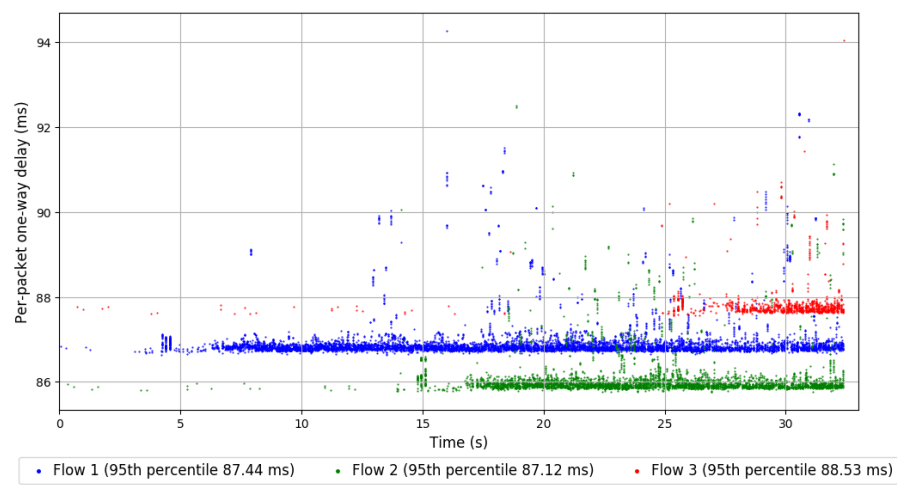
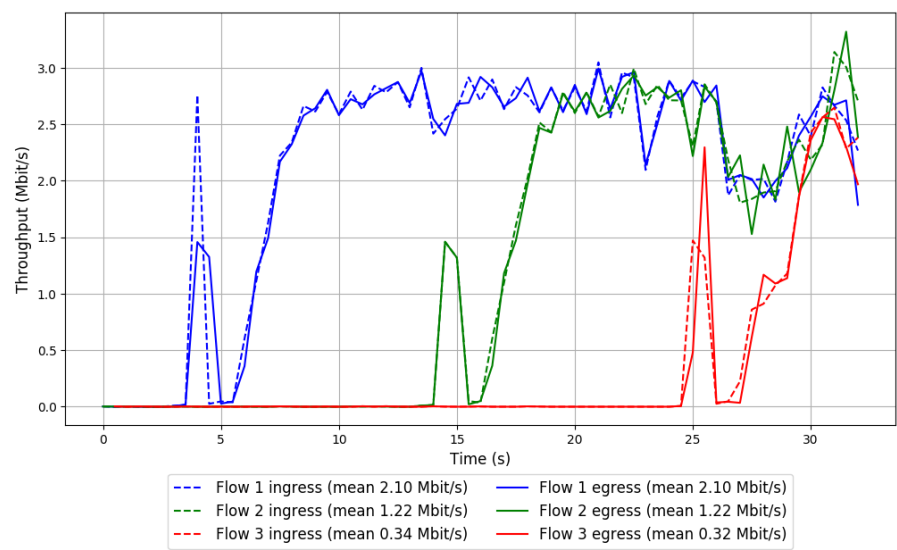


Run 3: Statistics of WebRTC media

Start at: 2017-09-07 22:37:30  
End at: 2017-09-07 22:38:00  
Local clock offset: -0.039 ms  
Remote clock offset: -5.127 ms

# Below is generated by plot.py at 2017-09-08 06:12:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.62 Mbit/s  
95th percentile per-packet one-way delay: 87.864 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 2.10 Mbit/s  
95th percentile per-packet one-way delay: 87.437 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 1.22 Mbit/s  
95th percentile per-packet one-way delay: 87.121 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 88.533 ms  
Loss rate: 3.66%

Run 3: Report of WebRTC media — Data Link

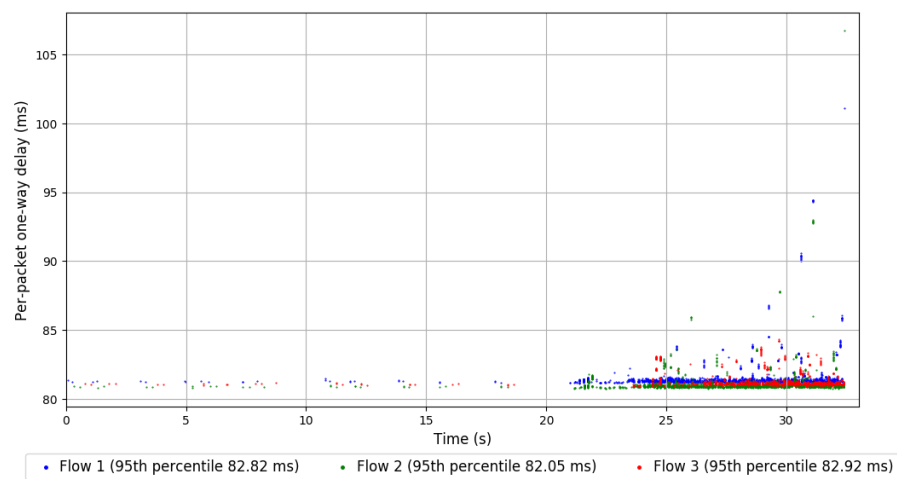
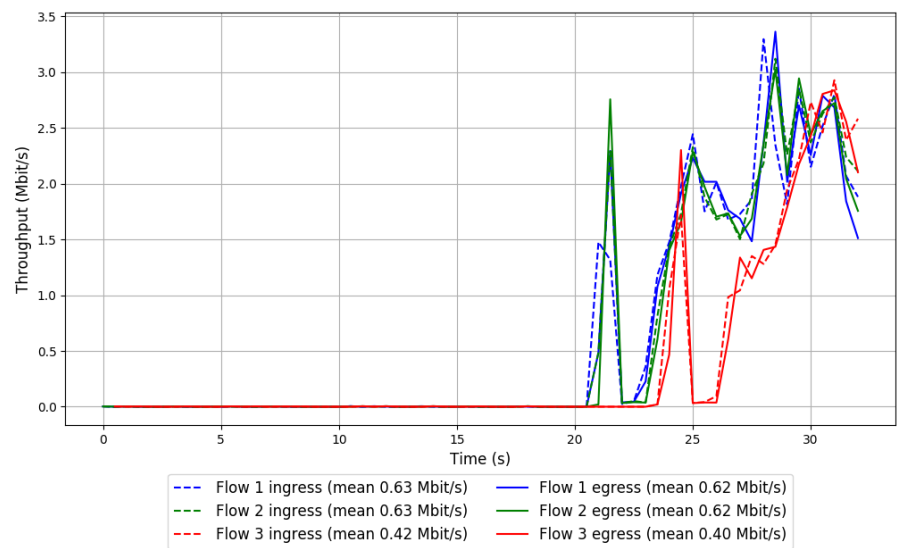


Run 4: Statistics of WebRTC media

Start at: 2017-09-07 22:59:09  
End at: 2017-09-07 22:59:39  
Local clock offset: -0.016 ms  
Remote clock offset: -1.274 ms

# Below is generated by plot.py at 2017-09-08 06:12:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.63 Mbit/s  
95th percentile per-packet one-way delay: 82.691 ms  
Loss rate: 2.38%  
-- Flow 1:  
Average throughput: 0.62 Mbit/s  
95th percentile per-packet one-way delay: 82.819 ms  
Loss rate: 1.97%  
-- Flow 2:  
Average throughput: 0.62 Mbit/s  
95th percentile per-packet one-way delay: 82.054 ms  
Loss rate: 2.36%  
-- Flow 3:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 82.923 ms  
Loss rate: 3.06%

Run 4: Report of WebRTC media — Data Link

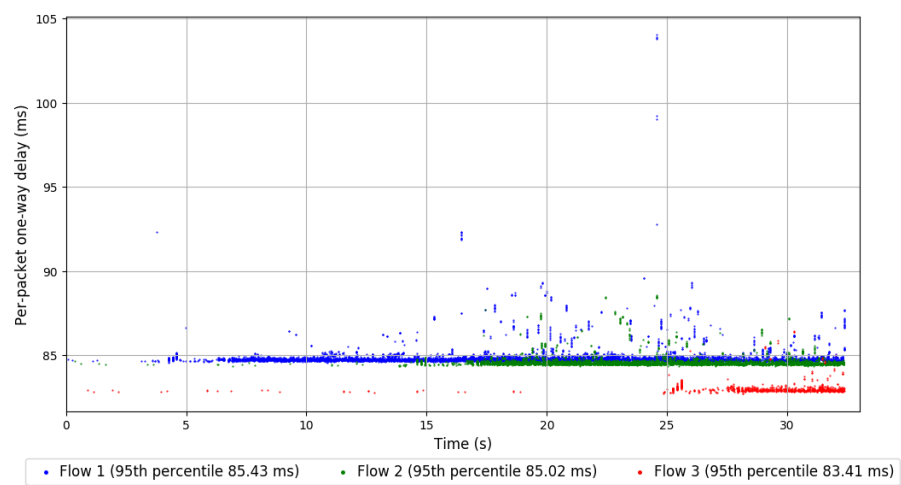
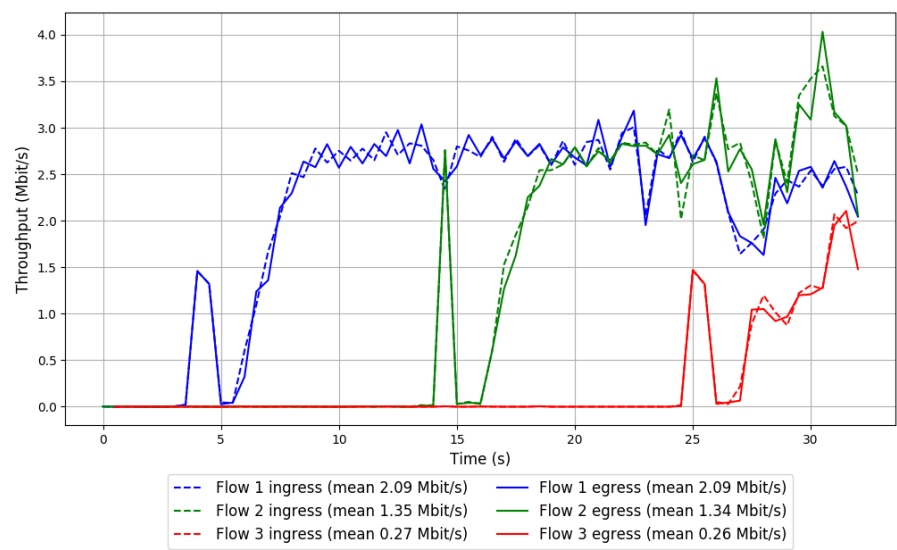


Run 5: Statistics of WebRTC media

Start at: 2017-09-07 23:20:52  
End at: 2017-09-07 23:21:22  
Local clock offset: -0.039 ms  
Remote clock offset: -2.347 ms

# Below is generated by plot.py at 2017-09-08 06:12:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.67 Mbit/s  
95th percentile per-packet one-way delay: 85.191 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 2.09 Mbit/s  
95th percentile per-packet one-way delay: 85.430 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 1.34 Mbit/s  
95th percentile per-packet one-way delay: 85.021 ms  
Loss rate: 1.11%  
-- Flow 3:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 83.405 ms  
Loss rate: 4.18%

Run 5: Report of WebRTC media — Data Link

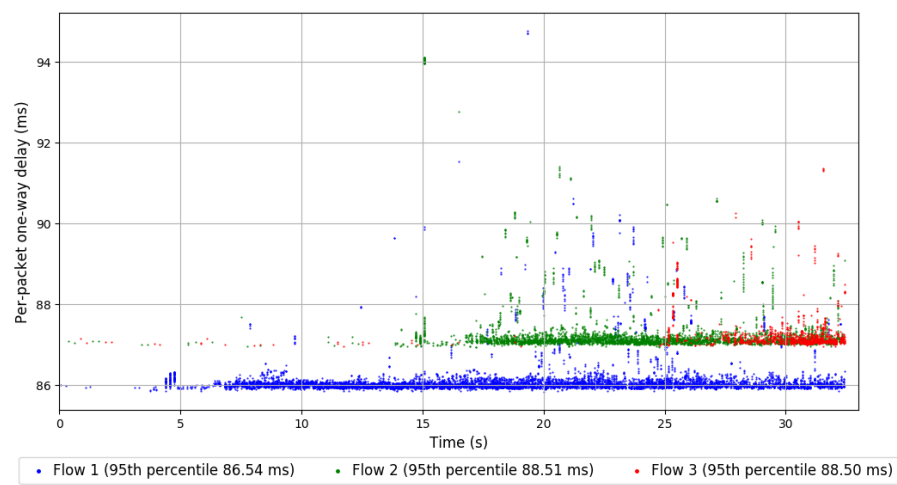
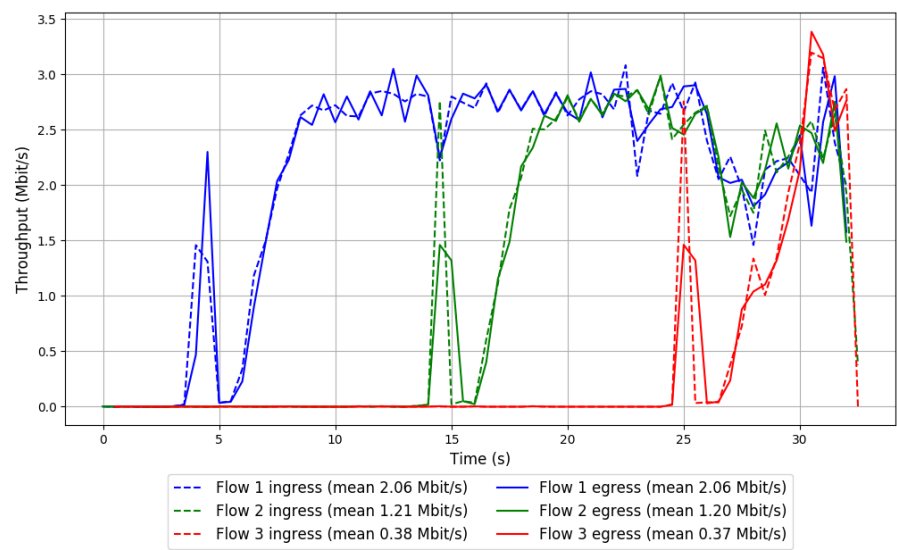


Run 6: Statistics of WebRTC media

Start at: 2017-09-07 23:42:43  
End at: 2017-09-07 23:43:13  
Local clock offset: -0.006 ms  
Remote clock offset: -5.652 ms

# Below is generated by plot.py at 2017-09-08 06:12:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.60 Mbit/s  
95th percentile per-packet one-way delay: 87.669 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 86.541 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 1.20 Mbit/s  
95th percentile per-packet one-way delay: 88.512 ms  
Loss rate: 1.46%  
-- Flow 3:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 88.505 ms  
Loss rate: 3.30%

Run 6: Report of WebRTC media — Data Link

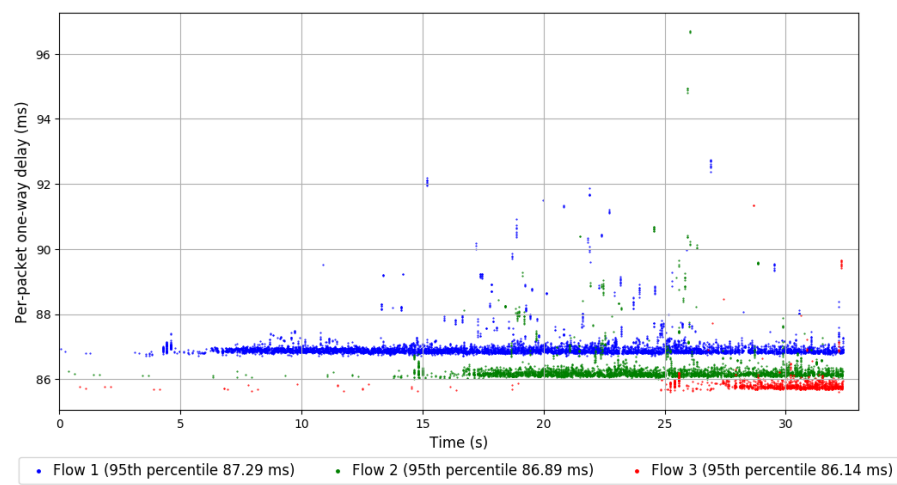
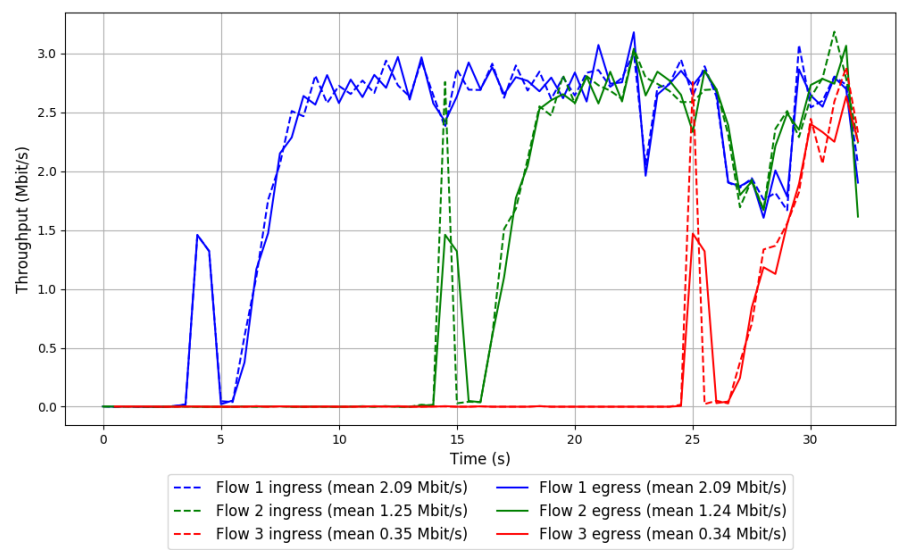


Run 7: Statistics of WebRTC media

Start at: 2017-09-08 00:04:25  
End at: 2017-09-08 00:04:55  
Local clock offset: 0.007 ms  
Remote clock offset: -6.744 ms

# Below is generated by plot.py at 2017-09-08 06:12:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.65 Mbit/s  
95th percentile per-packet one-way delay: 87.182 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 2.09 Mbit/s  
95th percentile per-packet one-way delay: 87.292 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 1.24 Mbit/s  
95th percentile per-packet one-way delay: 86.885 ms  
Loss rate: 1.34%  
-- Flow 3:  
Average throughput: 0.34 Mbit/s  
95th percentile per-packet one-way delay: 86.135 ms  
Loss rate: 3.40%

Run 7: Report of WebRTC media — Data Link

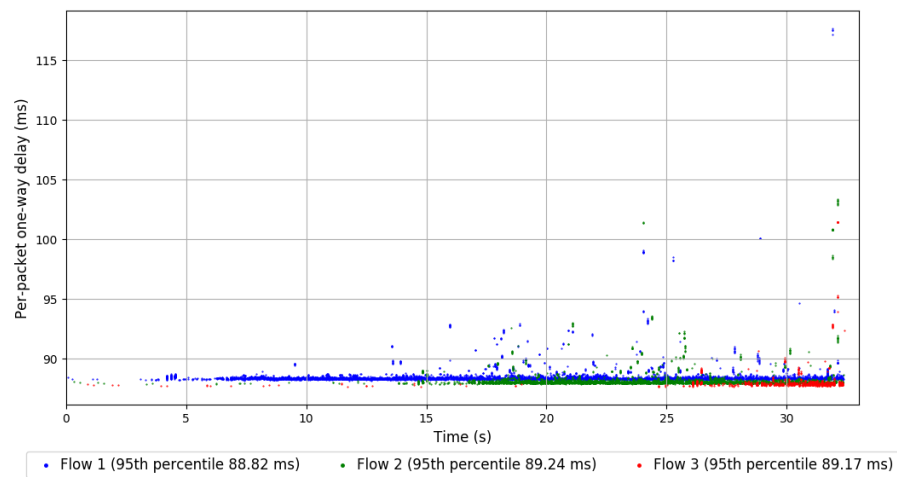
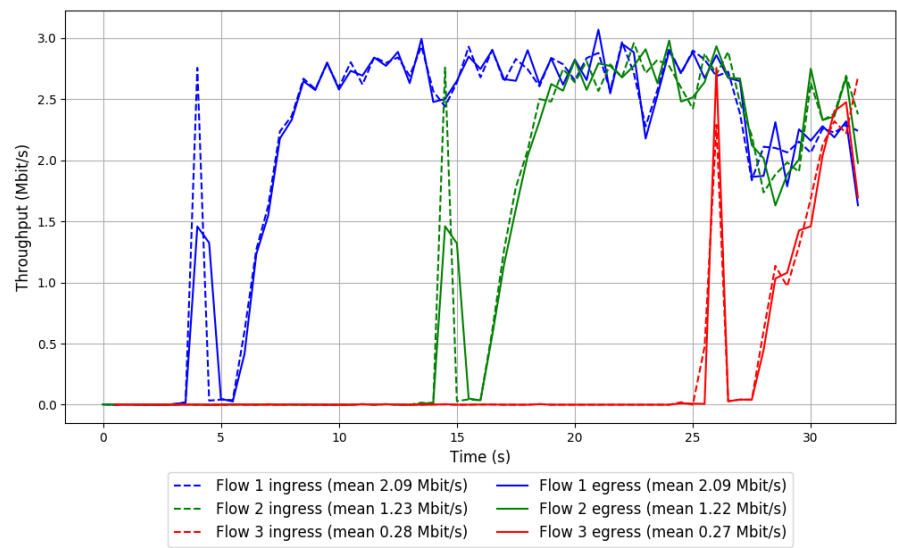


Run 8: Statistics of WebRTC media

Start at: 2017-09-08 00:25:43  
End at: 2017-09-08 00:26:13  
Local clock offset: 0.05 ms  
Remote clock offset: -7.133 ms

# Below is generated by plot.py at 2017-09-08 06:12:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.56 Mbit/s  
95th percentile per-packet one-way delay: 88.979 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 2.09 Mbit/s  
95th percentile per-packet one-way delay: 88.818 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 1.22 Mbit/s  
95th percentile per-packet one-way delay: 89.239 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 89.174 ms  
Loss rate: 5.50%

Run 8: Report of WebRTC media — Data Link

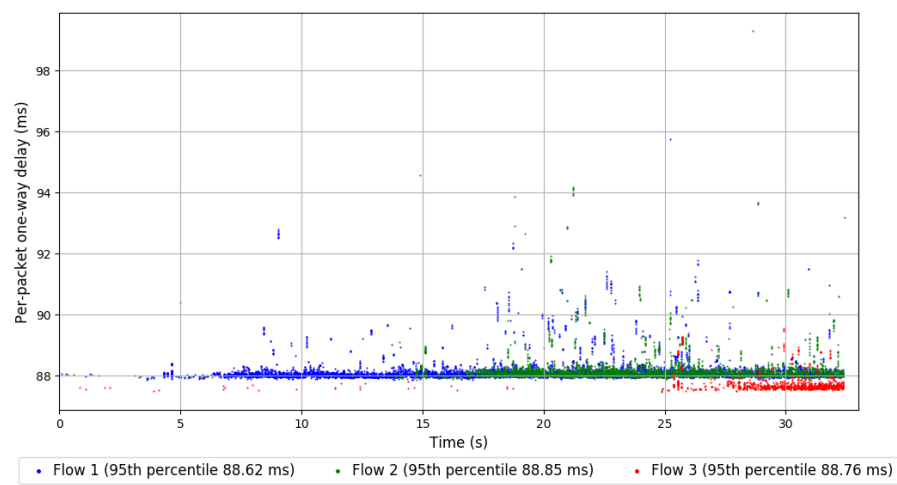
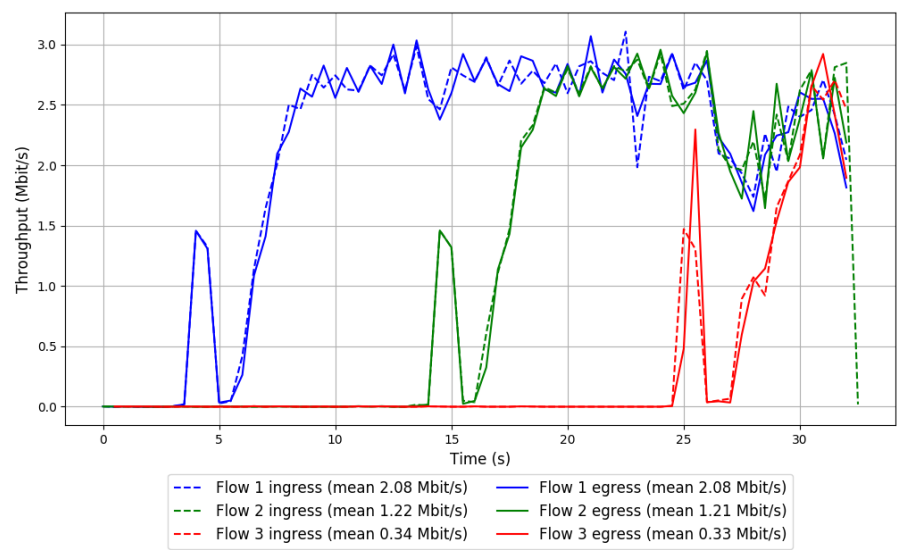


Run 9: Statistics of WebRTC media

Start at: 2017-09-08 00:46:53  
End at: 2017-09-08 00:47:23  
Local clock offset: 0.051 ms  
Remote clock offset: -7.413 ms

# Below is generated by plot.py at 2017-09-08 06:12:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.61 Mbit/s  
95th percentile per-packet one-way delay: 88.759 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 88.619 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 1.21 Mbit/s  
95th percentile per-packet one-way delay: 88.853 ms  
Loss rate: 1.48%  
-- Flow 3:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 88.759 ms  
Loss rate: 3.92%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-08 01:08:29  
End at: 2017-09-08 01:08:59  
Local clock offset: 0.03 ms  
Remote clock offset: -7.529 ms

# Below is generated by plot.py at 2017-09-08 06:12:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.84 Mbit/s  
95th percentile per-packet one-way delay: 87.367 ms  
Loss rate: 2.14%  
-- Flow 1:  
Average throughput: 0.73 Mbit/s  
95th percentile per-packet one-way delay: 87.044 ms  
Loss rate: 1.69%  
-- Flow 2:  
Average throughput: 0.78 Mbit/s  
95th percentile per-packet one-way delay: 86.995 ms  
Loss rate: 2.05%  
-- Flow 3:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 89.056 ms  
Loss rate: 3.30%

Run 10: Report of WebRTC media — Data Link

