

## Pantheon Report

Generated at 2017-09-18 08:54:00 (UTC).

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

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).

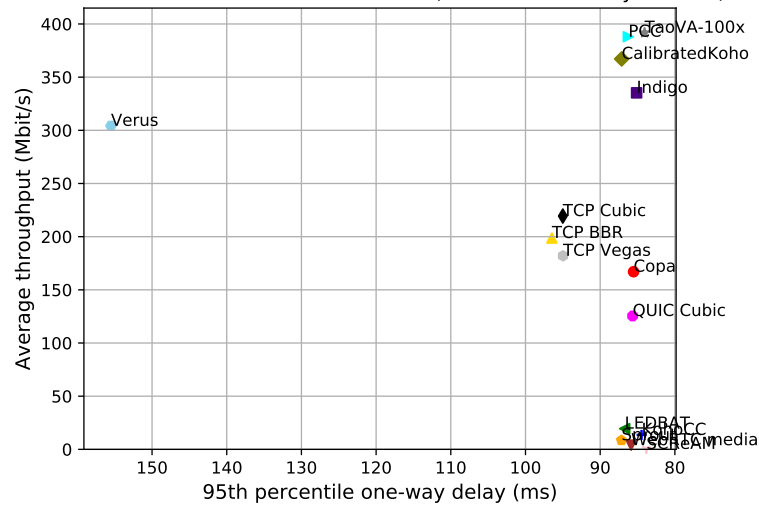
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

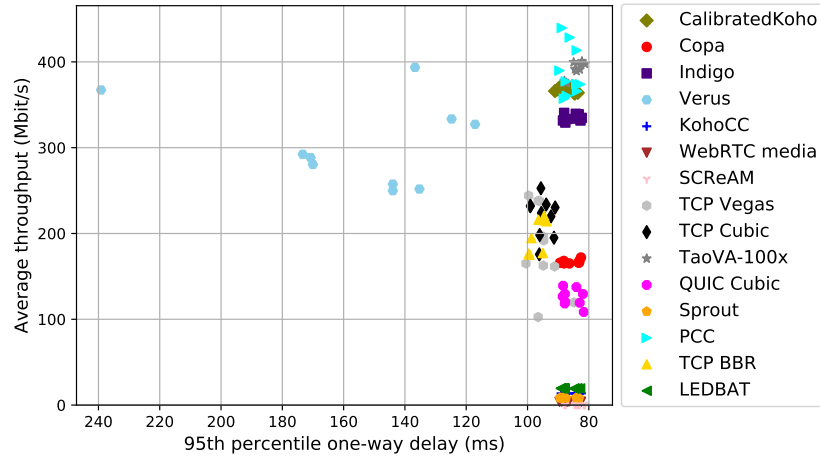
Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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-quir @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Brazil 2 Ethernet to Colombia 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	8	98.38	103.49	95.72	95.78	96.50	97.45	0.02	0.05	0.13
CalibratedKoho	10	320.03	68.78	4.07	86.93	86.47	85.93	36.50	51.60	51.54
Copa	8	88.68	82.77	88.84	84.79	84.29	85.11	0.00	0.00	0.00
TCP Cubic	10	116.98	112.26	83.65	94.59	94.80	92.92	0.02	0.06	0.03
Indigo	10	176.74	167.90	144.95	84.64	84.50	84.46	1.82	2.82	6.52
KohoCC	10	6.90	6.83	6.56	83.78	83.70	84.21	0.03	0.06	0.01
LEDBAT	10	12.58	8.38	4.09	86.06	85.82	85.70	0.00	0.00	0.00
PCC	10	291.93	94.24	103.09	85.73	85.46	85.87	10.64	12.77	14.83
QUIC Cubic	9	66.82	60.20	56.77	84.75	84.99	85.04	0.00	0.00	0.00
SCReAM	10	0.21	0.22	0.22	83.32	83.31	82.83	0.04	0.00	0.00
Sprout	10	4.53	4.13	3.84	86.86	86.23	86.67	0.00	0.00	0.00
TaoVA-100x	10	229.32	201.14	117.58	83.40	83.62	83.36	1.35	2.32	5.54
TCP Vegas	10	95.79	90.81	77.90	92.81	94.64	94.59	0.00	0.01	0.01
Verus	10	193.79	127.19	81.49	165.56	128.37	145.42	9.42	14.49	20.79
WebRTC media	9	2.19	1.33	0.43	84.93	85.54	85.31	0.00	0.00	0.00

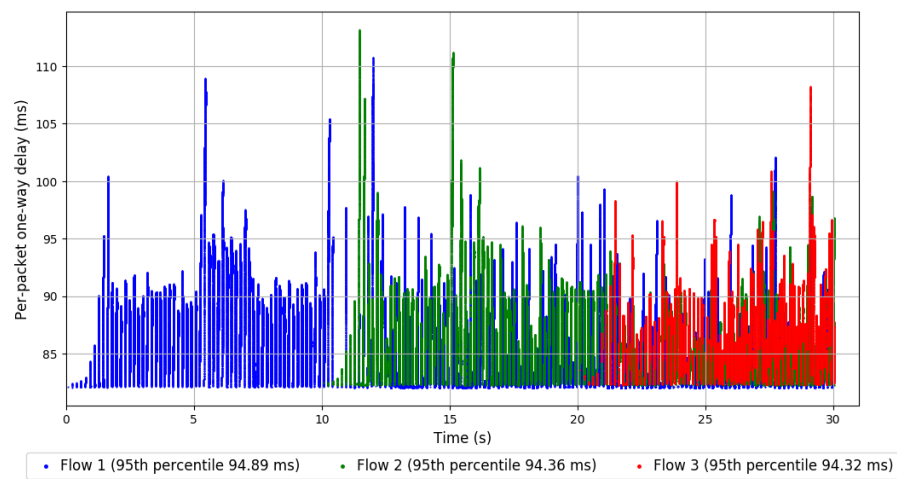
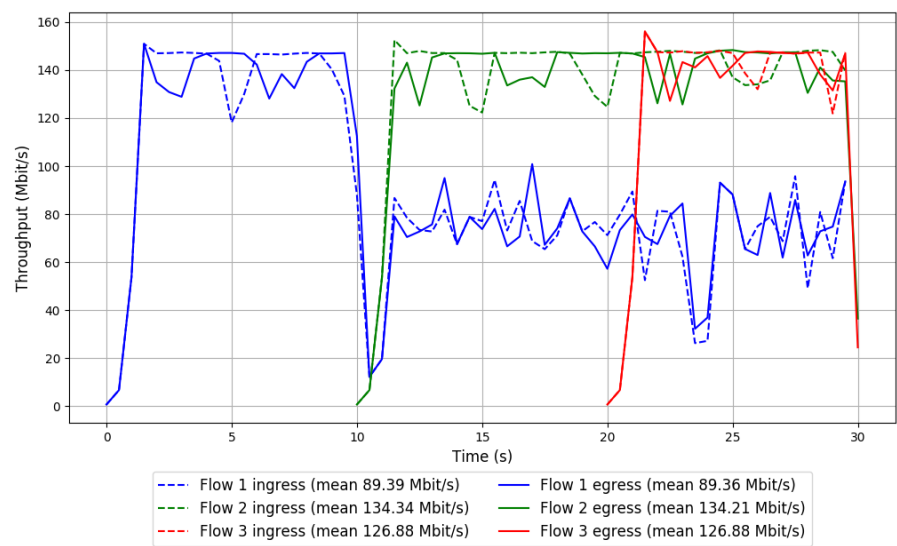
Run 1: Statistics of TCP BBR

Start at: 2017-09-18 03:05:49  
End at: 2017-09-18 03:06:19  
Local clock offset: -1.449 ms  
Remote clock offset: -6.233 ms

# Below is generated by plot.py at 2017-09-18 08:01:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 220.65 Mbit/s  
95th percentile per-packet one-way delay: 94.563 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 89.36 Mbit/s  
95th percentile per-packet one-way delay: 94.891 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 134.21 Mbit/s  
95th percentile per-packet one-way delay: 94.355 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 126.88 Mbit/s  
95th percentile per-packet one-way delay: 94.321 ms  
Loss rate: 0.00%



Run 1: Report of TCP BBR — Data Link

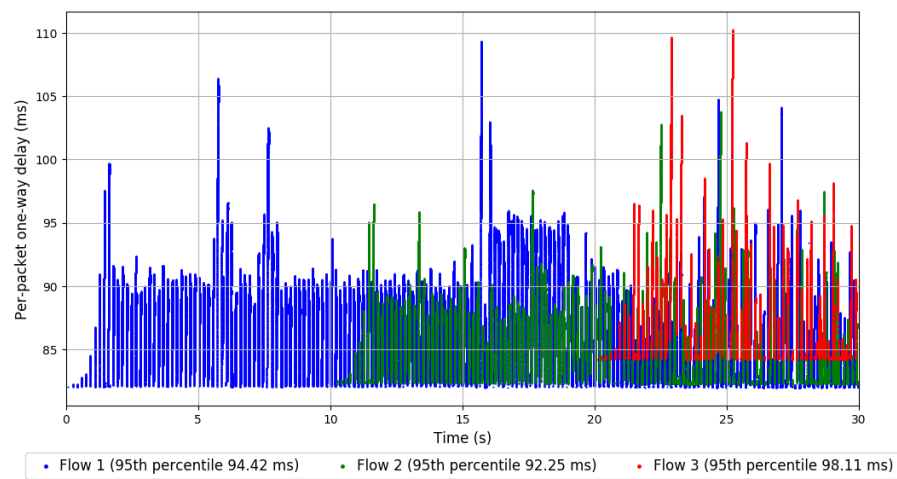
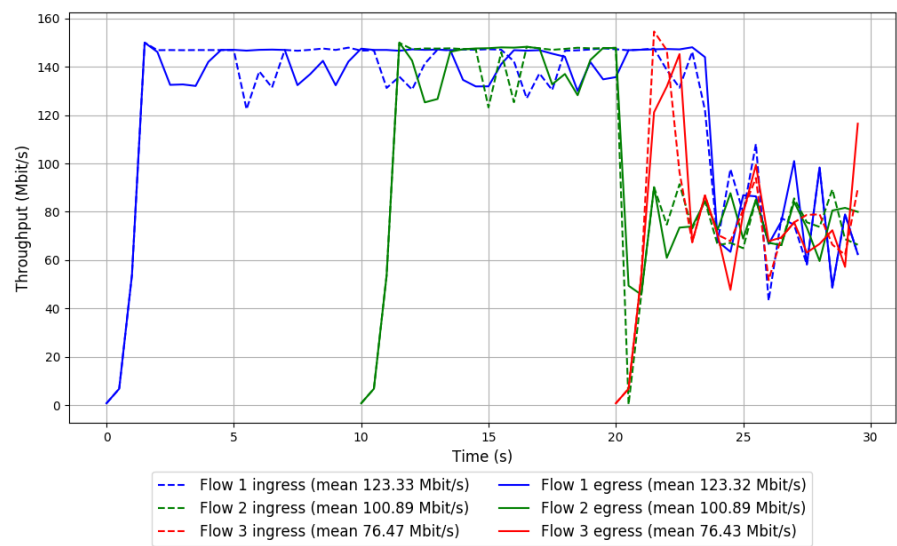


Run 2: Statistics of TCP BBR

Start at: 2017-09-18 03:27:51  
End at: 2017-09-18 03:28:21  
Local clock offset: -1.269 ms  
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2017-09-18 08:01:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 215.38 Mbit/s  
95th percentile per-packet one-way delay: 94.312 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 123.32 Mbit/s  
95th percentile per-packet one-way delay: 94.418 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 100.89 Mbit/s  
95th percentile per-packet one-way delay: 92.250 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 76.43 Mbit/s  
95th percentile per-packet one-way delay: 98.108 ms  
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

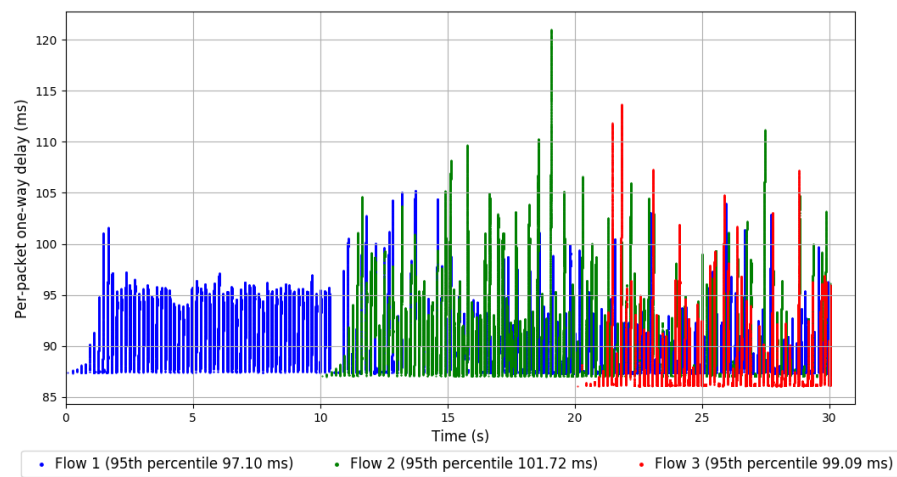
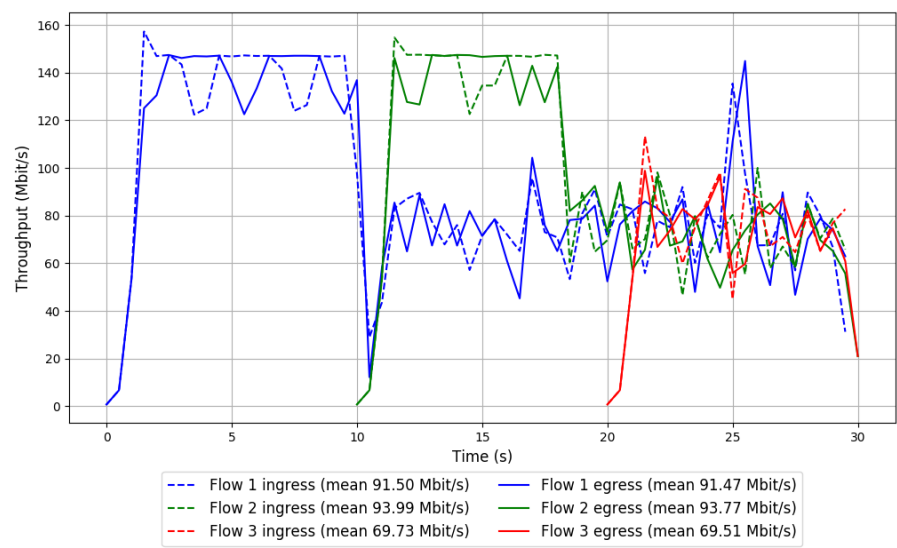


Run 3: Statistics of TCP BBR

Start at: 2017-09-18 03:49:56  
End at: 2017-09-18 03:50:26  
Local clock offset: -1.174 ms  
Remote clock offset: -3.172 ms

# Below is generated by plot.py at 2017-09-18 08:01:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 176.68 Mbit/s  
95th percentile per-packet one-way delay: 99.536 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 91.47 Mbit/s  
95th percentile per-packet one-way delay: 97.099 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 93.77 Mbit/s  
95th percentile per-packet one-way delay: 101.721 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 69.51 Mbit/s  
95th percentile per-packet one-way delay: 99.091 ms  
Loss rate: 0.23%

Run 3: Report of TCP BBR — Data Link

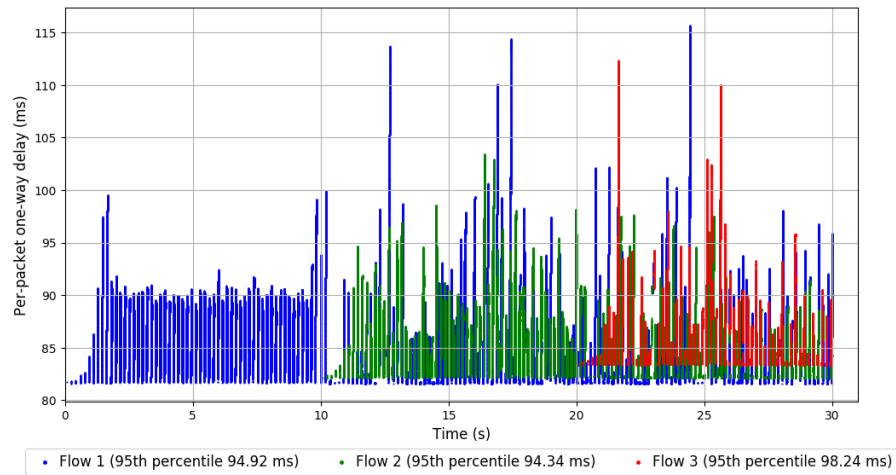
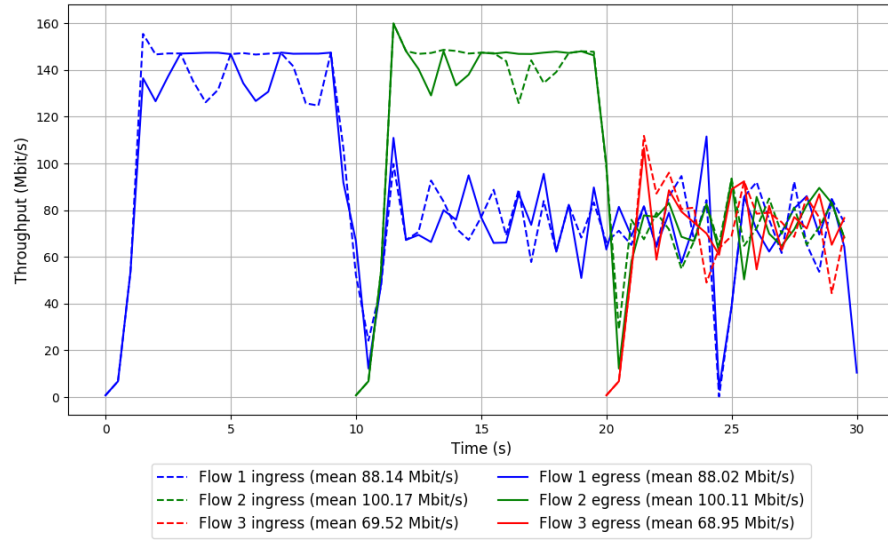


Run 4: Statistics of TCP BBR

Start at: 2017-09-18 04:11:41  
End at: 2017-09-18 04:12:11  
Local clock offset: -0.875 ms  
Remote clock offset: -6.938 ms

# Below is generated by plot.py at 2017-09-18 08:01:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 177.17 Mbit/s  
95th percentile per-packet one-way delay: 94.979 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 88.02 Mbit/s  
95th percentile per-packet one-way delay: 94.915 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 100.11 Mbit/s  
95th percentile per-packet one-way delay: 94.339 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 68.95 Mbit/s  
95th percentile per-packet one-way delay: 98.237 ms  
Loss rate: 0.76%

# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-09-18 04:33:29

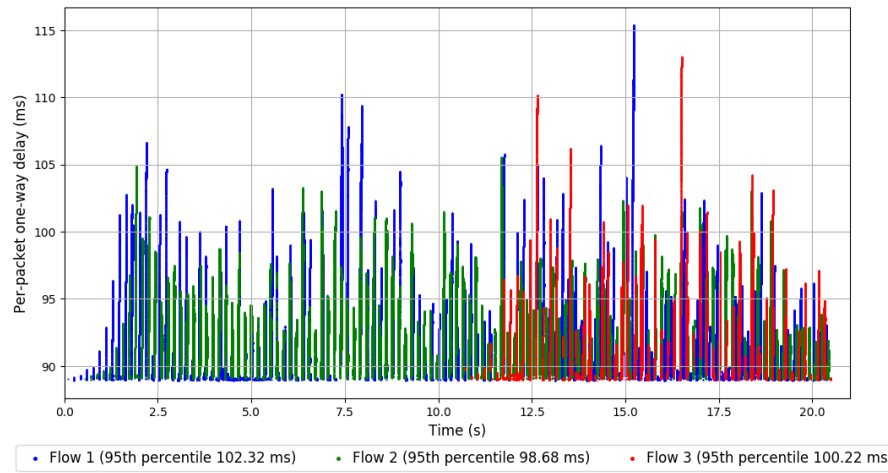
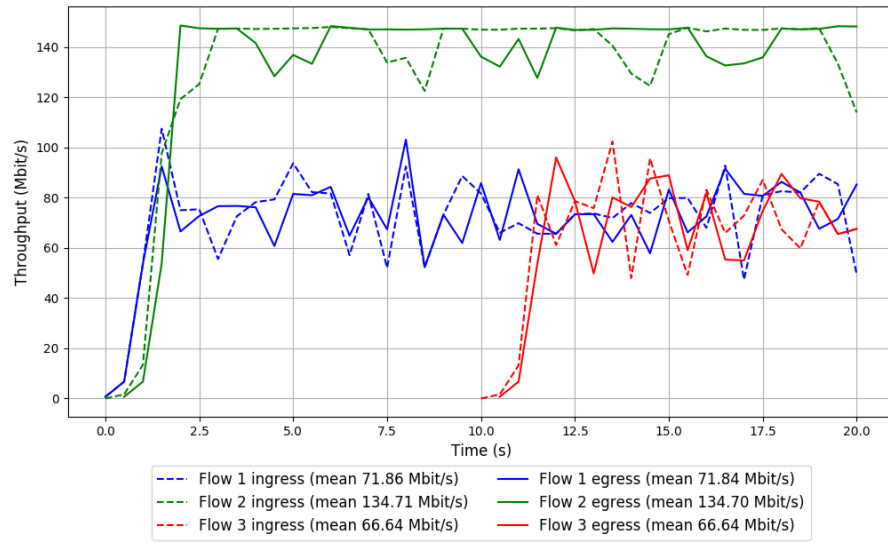
End at: 2017-09-18 04:33:59

Local clock offset: -0.676 ms

Remote clock offset: -1.324 ms



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

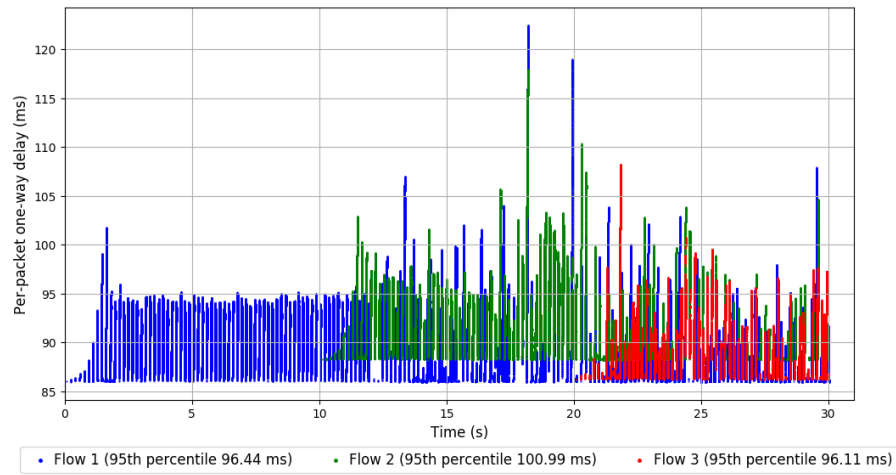
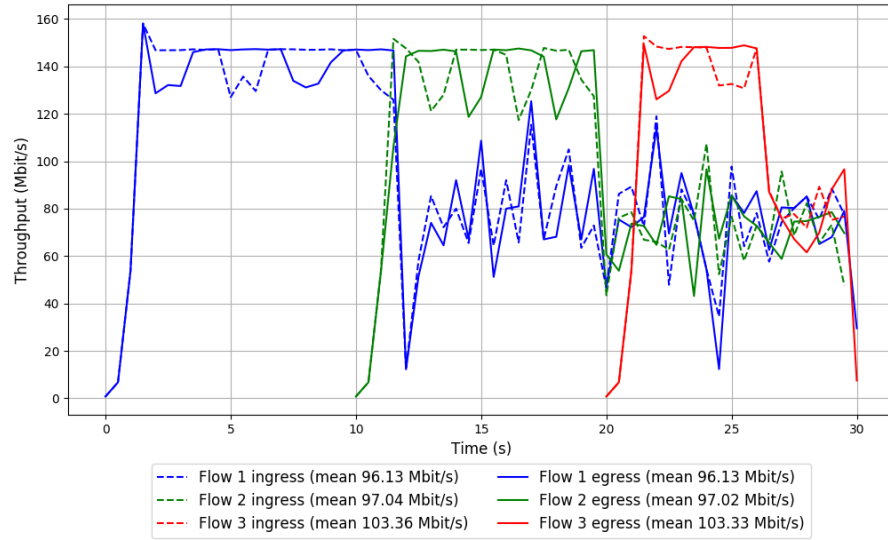


Run 6: Statistics of TCP BBR

Start at: 2017-09-18 04:55:23  
End at: 2017-09-18 04:55:53  
Local clock offset: -0.377 ms  
Remote clock offset: -2.996 ms

# Below is generated by plot.py at 2017-09-18 08:01:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 194.63 Mbit/s  
95th percentile per-packet one-way delay: 98.732 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.13 Mbit/s  
95th percentile per-packet one-way delay: 96.443 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 97.02 Mbit/s  
95th percentile per-packet one-way delay: 100.988 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 103.33 Mbit/s  
95th percentile per-packet one-way delay: 96.111 ms  
Loss rate: 0.02%

# Run 6: Report of TCP BBR — Data Link

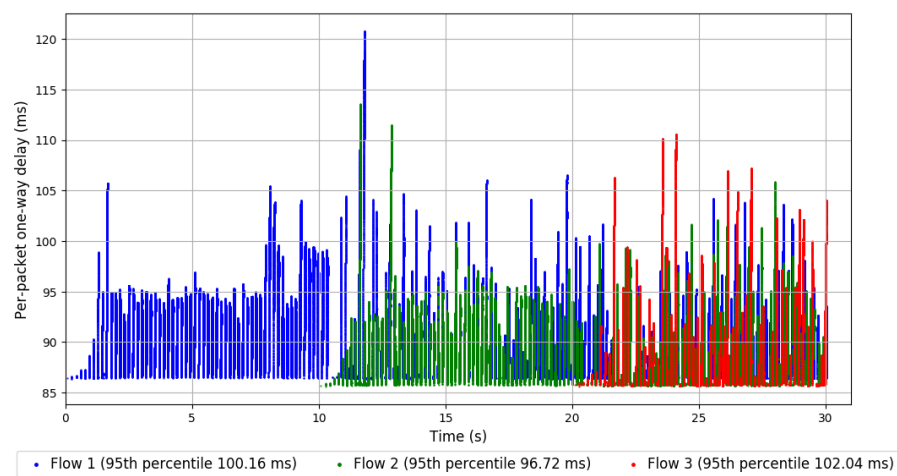
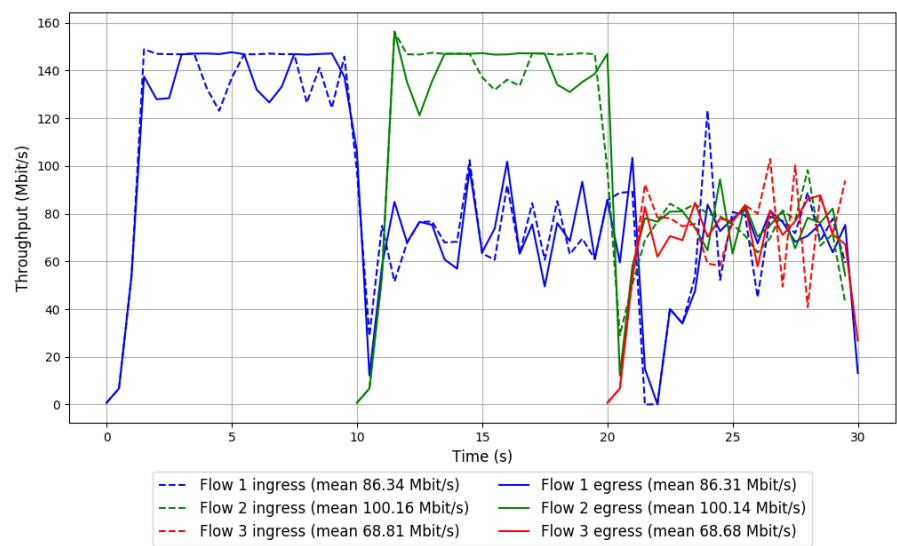


Run 7: Statistics of TCP BBR

Start at: 2017-09-18 05:17:08  
End at: 2017-09-18 05:17:38  
Local clock offset: -0.175 ms  
Remote clock offset: -3.554 ms

# Below is generated by plot.py at 2017-09-18 08:01:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 175.30 Mbit/s  
95th percentile per-packet one-way delay: 99.370 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 86.31 Mbit/s  
95th percentile per-packet one-way delay: 100.164 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 100.14 Mbit/s  
95th percentile per-packet one-way delay: 96.725 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 68.68 Mbit/s  
95th percentile per-packet one-way delay: 102.036 ms  
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

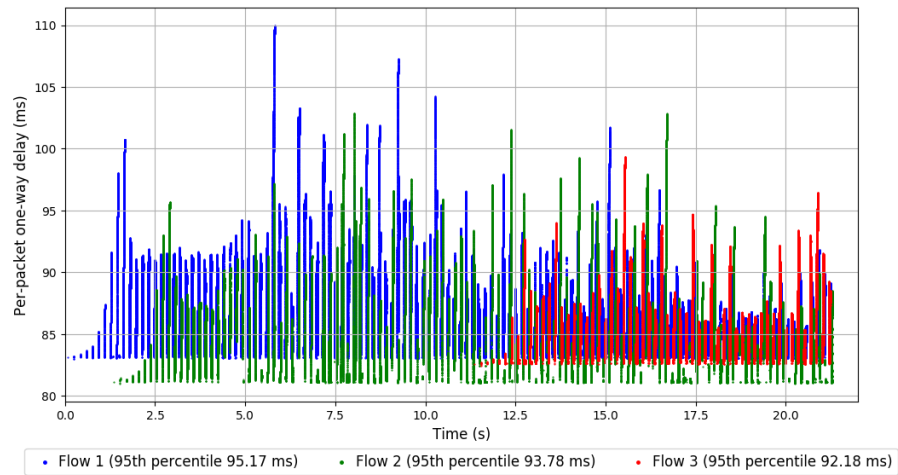
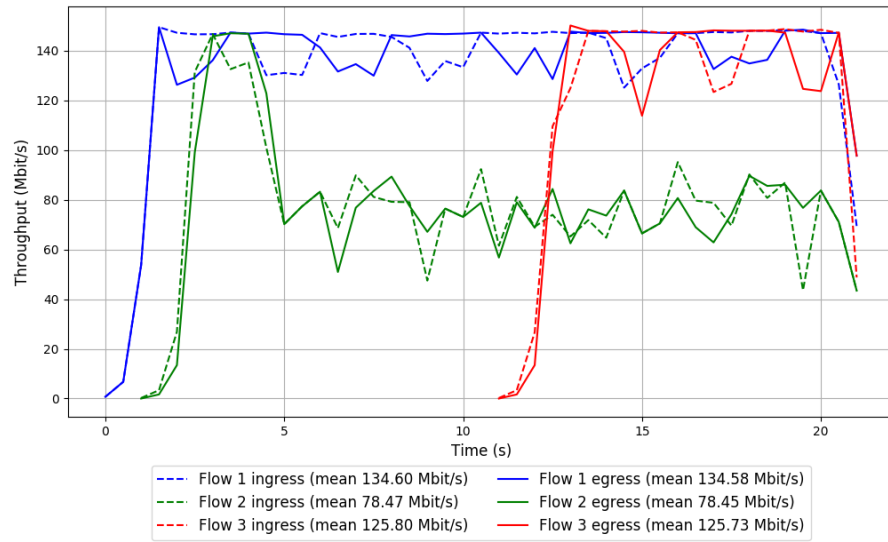
Start at: 2017-09-18 05:38:58

End at: 2017-09-18 05:39:28

Local clock offset: 0.013 ms

Remote clock offset: -8.032 ms

# Run 8: Report of TCP BBR — Data Link



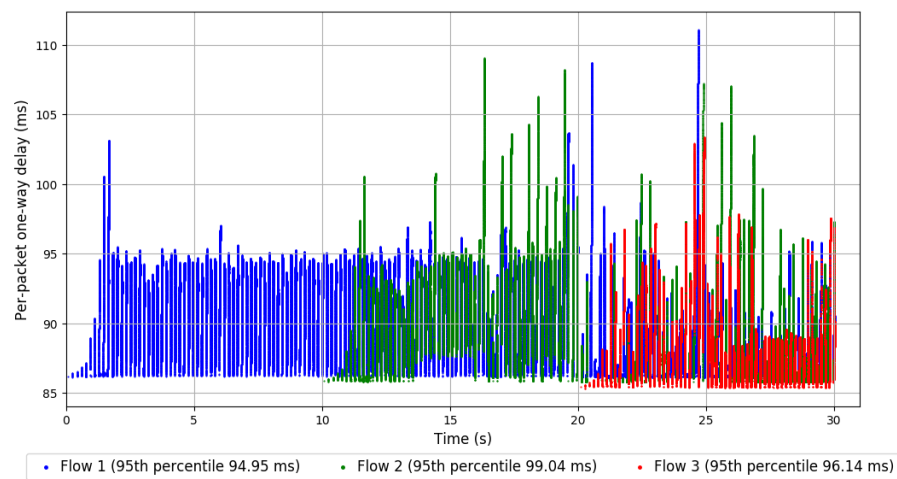
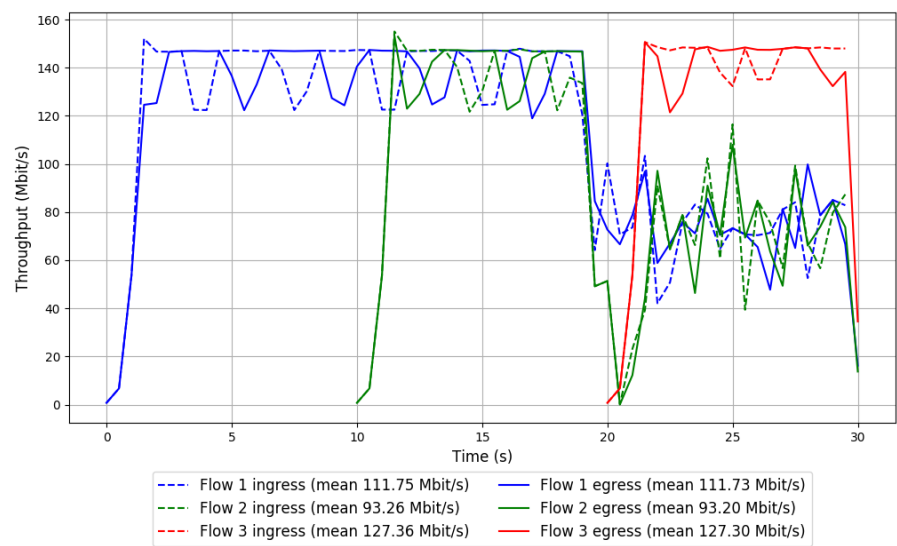
Run 9: Statistics of TCP BBR

Start at: 2017-09-18 06:00:39  
End at: 2017-09-18 06:01:09  
Local clock offset: 0.112 ms  
Remote clock offset: -3.252 ms

# Below is generated by plot.py at 2017-09-18 08:02:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 215.96 Mbit/s  
95th percentile per-packet one-way delay: 96.434 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 111.73 Mbit/s  
95th percentile per-packet one-way delay: 94.951 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 93.20 Mbit/s  
95th percentile per-packet one-way delay: 99.043 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 127.30 Mbit/s  
95th percentile per-packet one-way delay: 96.137 ms  
Loss rate: 0.00%



Run 9: Report of TCP BBR — Data Link

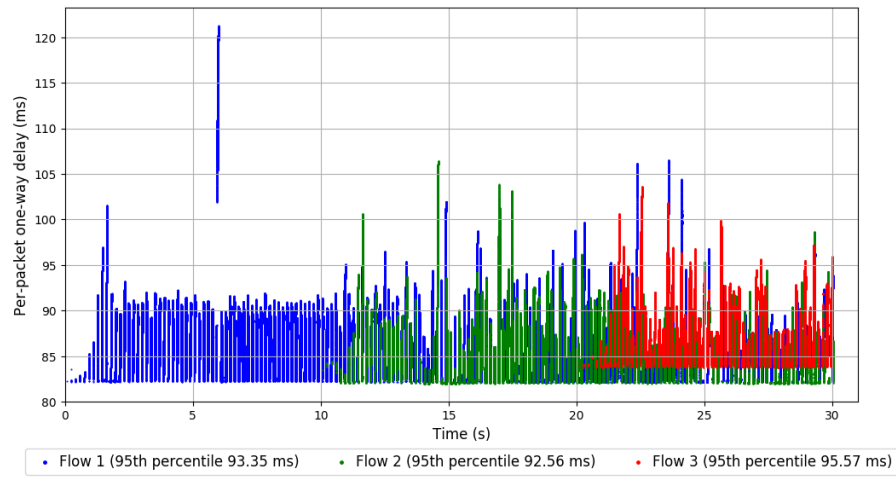
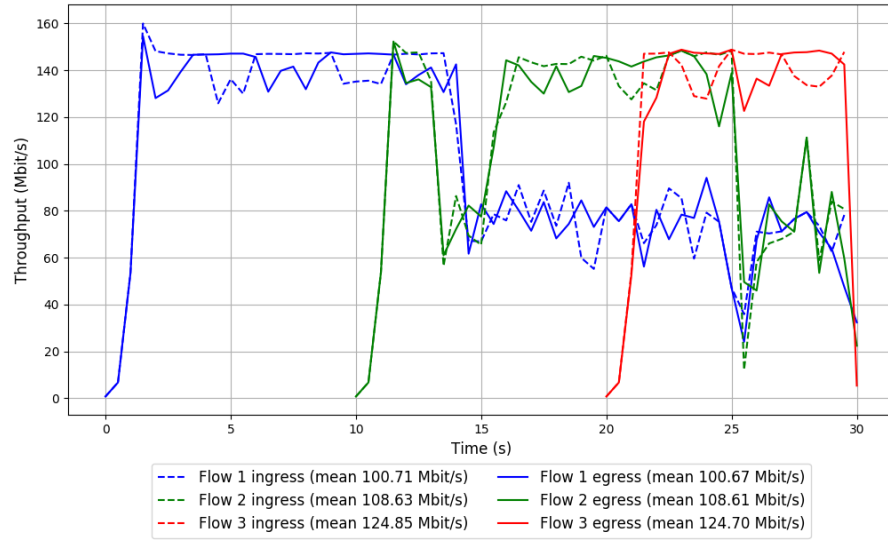


Run 10: Statistics of TCP BBR

Start at: 2017-09-18 06:22:39  
End at: 2017-09-18 06:23:09  
Local clock offset: 0.221 ms  
Remote clock offset: -6.238 ms

# Below is generated by plot.py at 2017-09-18 08:03:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 214.20 Mbit/s  
95th percentile per-packet one-way delay: 93.824 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 100.67 Mbit/s  
95th percentile per-packet one-way delay: 93.353 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 108.61 Mbit/s  
95th percentile per-packet one-way delay: 92.559 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 124.70 Mbit/s  
95th percentile per-packet one-way delay: 95.566 ms  
Loss rate: 0.00%

# Run 10: Report of TCP BBR — Data Link

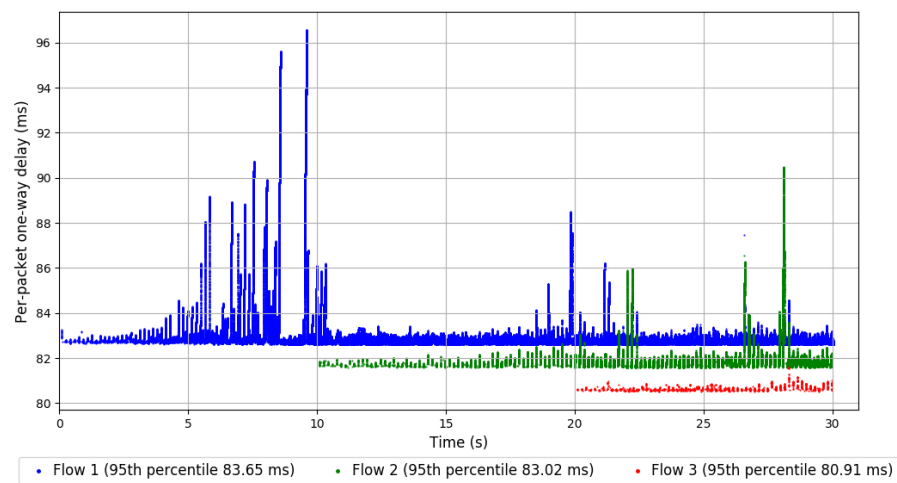
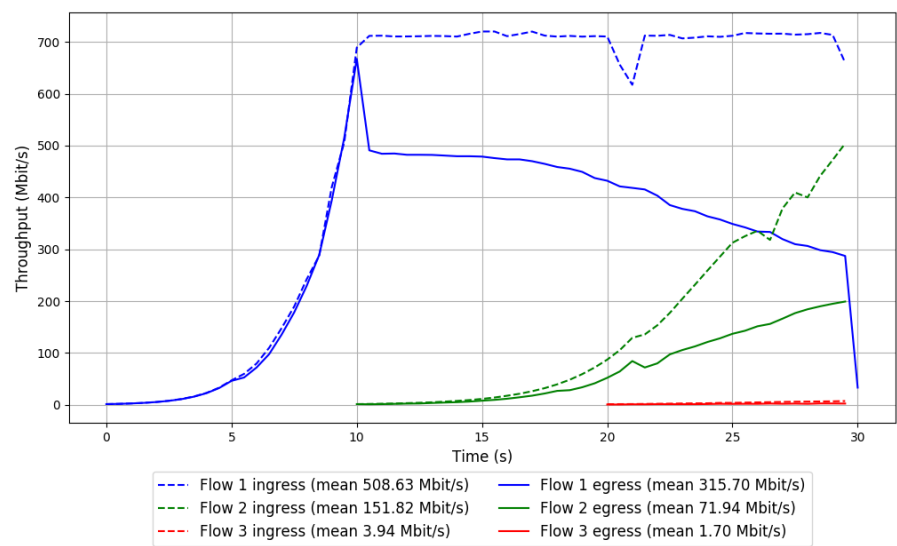


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-18 03:15:27  
End at: 2017-09-18 03:15:57  
Local clock offset: -1.494 ms  
Remote clock offset: -7.616 ms

# Below is generated by plot.py at 2017-09-18 08:06:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 363.98 Mbit/s  
95th percentile per-packet one-way delay: 83.588 ms  
Loss rate: 40.42%  
-- Flow 1:  
Average throughput: 315.70 Mbit/s  
95th percentile per-packet one-way delay: 83.648 ms  
Loss rate: 37.93%  
-- Flow 2:  
Average throughput: 71.94 Mbit/s  
95th percentile per-packet one-way delay: 83.016 ms  
Loss rate: 52.73%  
-- Flow 3:  
Average throughput: 1.70 Mbit/s  
95th percentile per-packet one-way delay: 80.911 ms  
Loss rate: 57.04%

Run 1: Report of CalibratedKoho — Data Link

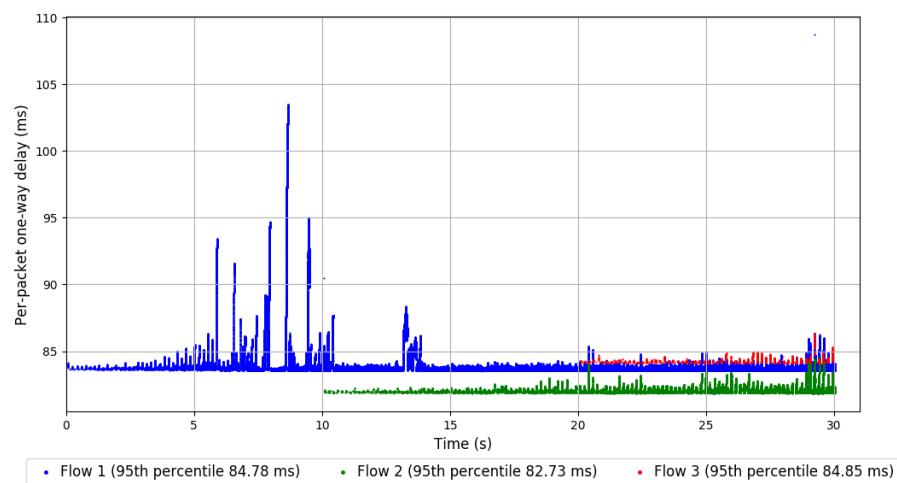
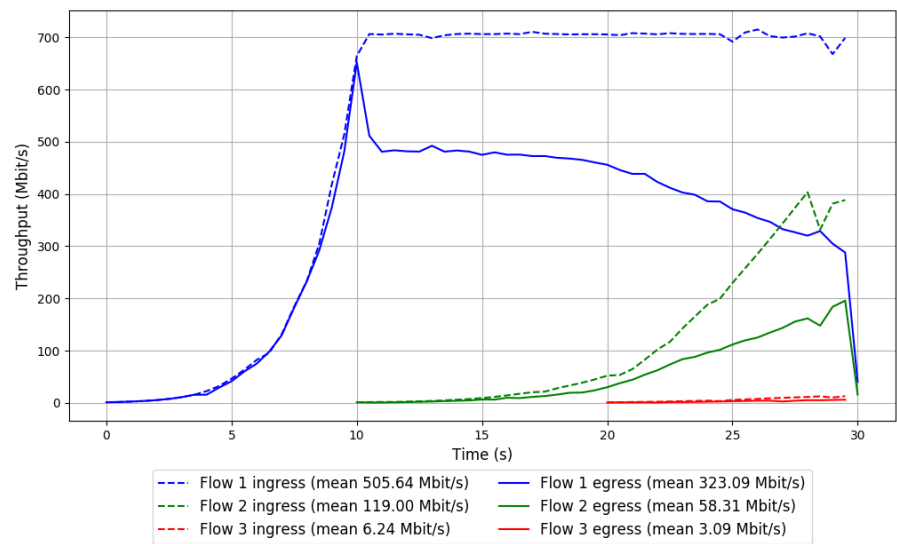


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-18 03:37:29  
End at: 2017-09-18 03:37:59  
Local clock offset: -1.162 ms  
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2017-09-18 08:06:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 362.93 Mbit/s  
95th percentile per-packet one-way delay: 84.619 ms  
Loss rate: 38.17%  
-- Flow 1:  
Average throughput: 323.09 Mbit/s  
95th percentile per-packet one-way delay: 84.784 ms  
Loss rate: 36.10%  
-- Flow 2:  
Average throughput: 58.31 Mbit/s  
95th percentile per-packet one-way delay: 82.731 ms  
Loss rate: 51.00%  
-- Flow 3:  
Average throughput: 3.09 Mbit/s  
95th percentile per-packet one-way delay: 84.854 ms  
Loss rate: 50.97%

Run 2: Report of CalibratedKoho — Data Link



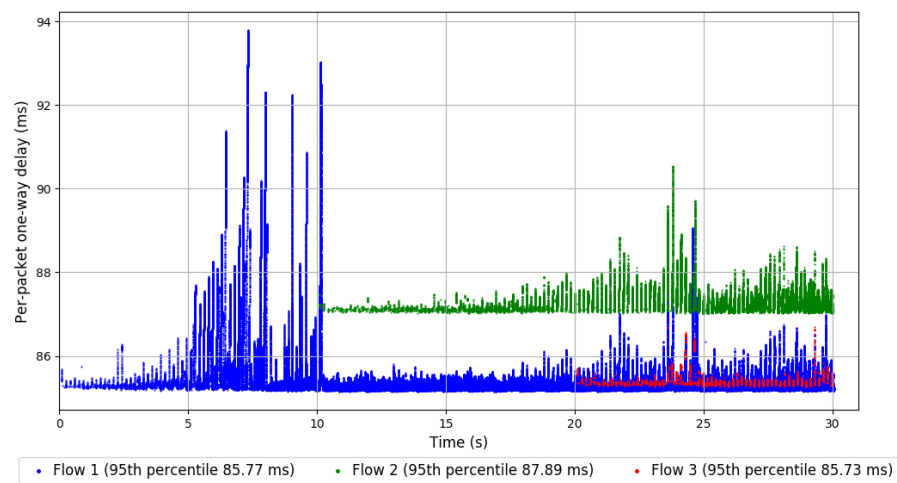
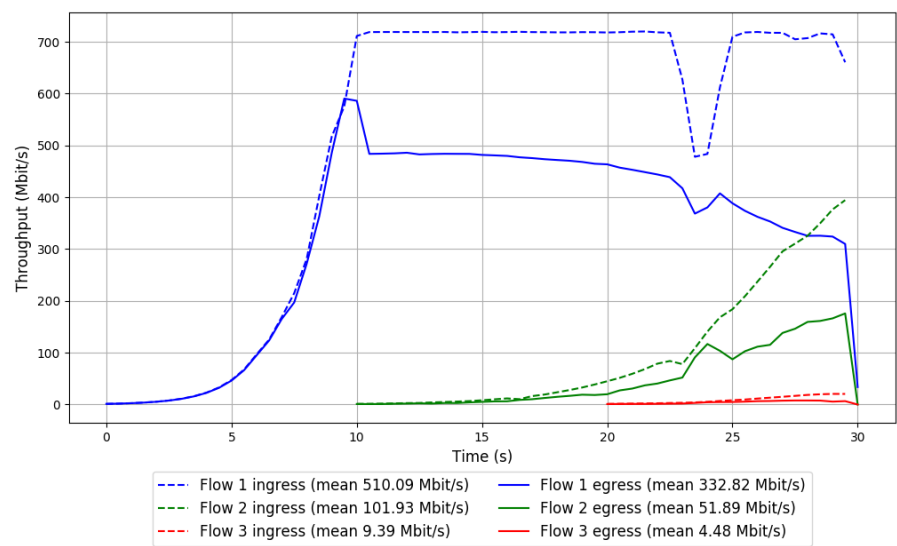
Run 3: Statistics of CalibratedKoho

Start at: 2017-09-18 03:59:27  
End at: 2017-09-18 03:59:57  
Local clock offset: -1.017 ms  
Remote clock offset: -3.444 ms

# Below is generated by plot.py at 2017-09-18 08:06:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 368.85 Mbit/s  
95th percentile per-packet one-way delay: 87.331 ms  
Loss rate: 36.52%  
-- Flow 1:  
Average throughput: 332.82 Mbit/s  
95th percentile per-packet one-way delay: 85.765 ms  
Loss rate: 34.75%  
-- Flow 2:  
Average throughput: 51.89 Mbit/s  
95th percentile per-packet one-way delay: 87.891 ms  
Loss rate: 49.09%  
-- Flow 3:  
Average throughput: 4.48 Mbit/s  
95th percentile per-packet one-way delay: 85.733 ms  
Loss rate: 52.25%



Run 3: Report of CalibratedKoho — Data Link

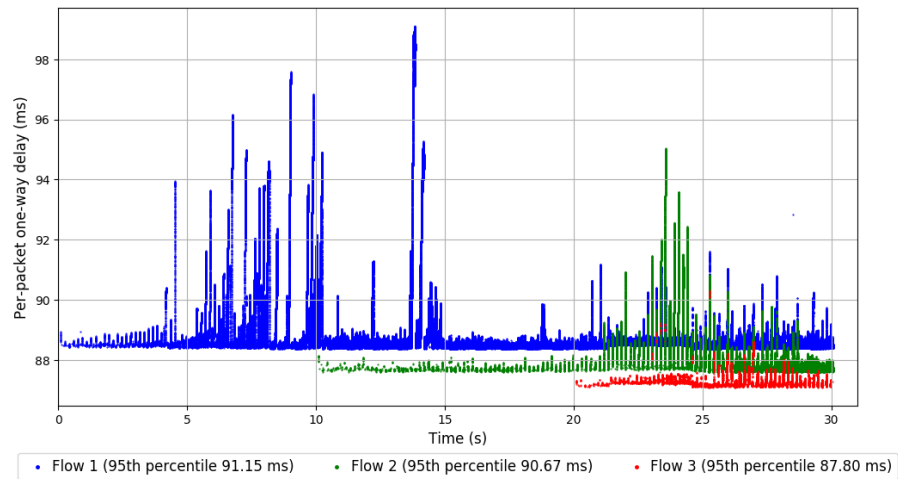
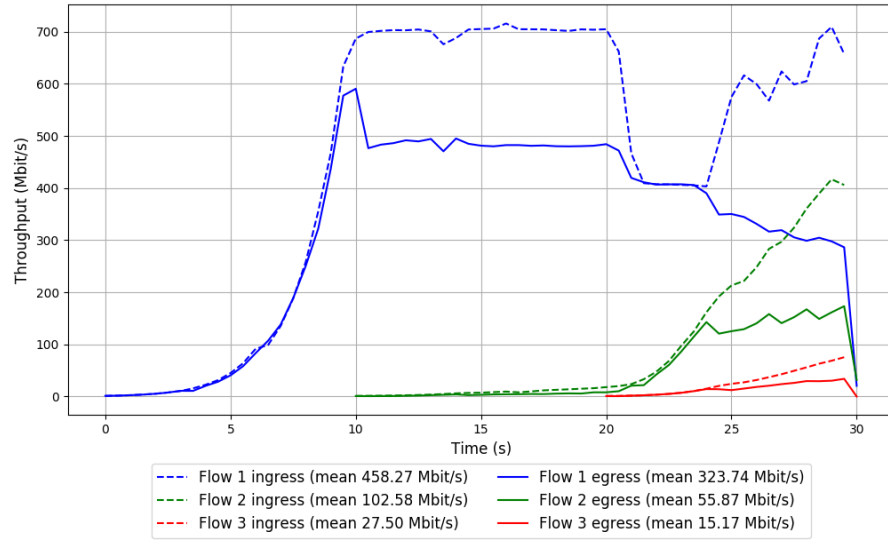


Run 4: Statistics of CalibratedKoho

Start at: 2017-09-18 04:21:18  
End at: 2017-09-18 04:21:48  
Local clock offset: -0.774 ms  
Remote clock offset: -1.611 ms

# Below is generated by plot.py at 2017-09-18 08:06:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 365.98 Mbit/s  
95th percentile per-packet one-way delay: 91.027 ms  
Loss rate: 31.68%  
-- Flow 1:  
Average throughput: 323.74 Mbit/s  
95th percentile per-packet one-way delay: 91.149 ms  
Loss rate: 29.36%  
-- Flow 2:  
Average throughput: 55.87 Mbit/s  
95th percentile per-packet one-way delay: 90.668 ms  
Loss rate: 45.53%  
-- Flow 3:  
Average throughput: 15.17 Mbit/s  
95th percentile per-packet one-way delay: 87.802 ms  
Loss rate: 44.82%

# Run 4: Report of CalibratedKoho — Data Link

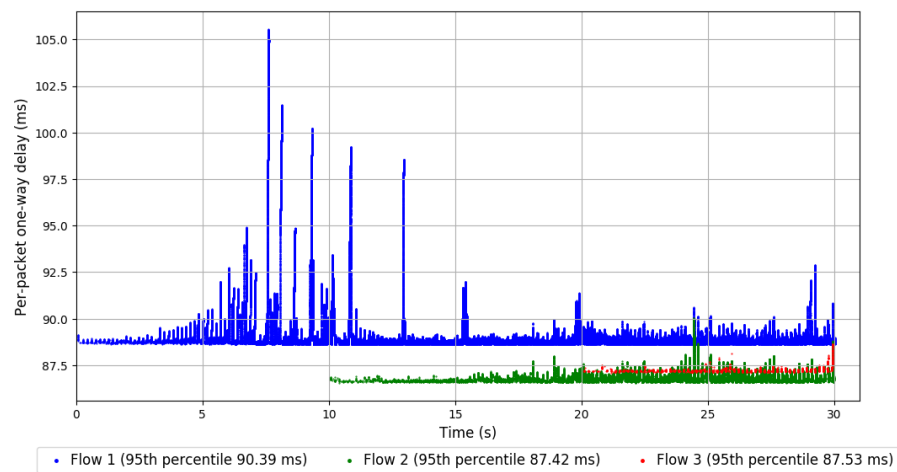
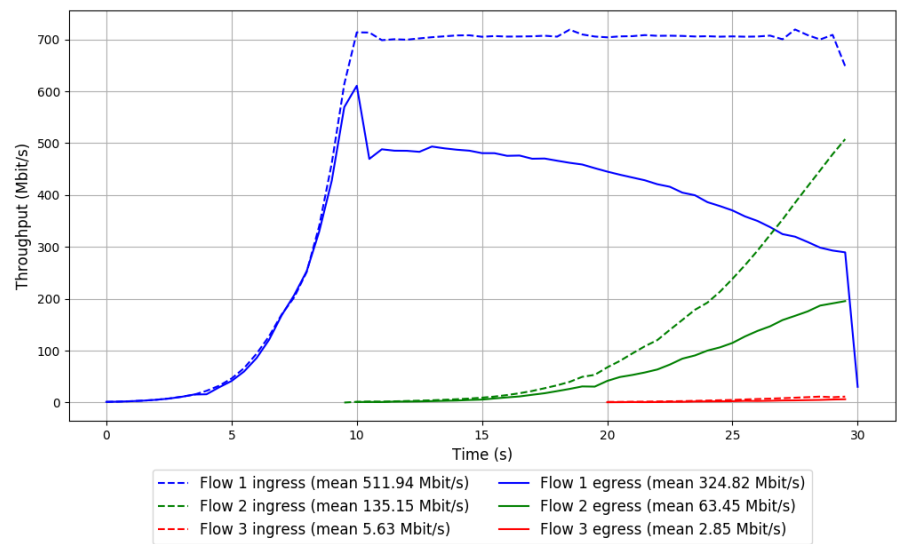


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-18 04:42:57  
End at: 2017-09-18 04:43:27  
Local clock offset: -0.539 ms  
Remote clock offset: -1.868 ms

# Below is generated by plot.py at 2017-09-18 08:06:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 367.91 Mbit/s  
95th percentile per-packet one-way delay: 90.098 ms  
Loss rate: 39.05%  
-- Flow 1:  
Average throughput: 324.82 Mbit/s  
95th percentile per-packet one-way delay: 90.391 ms  
Loss rate: 36.55%  
-- Flow 2:  
Average throughput: 63.45 Mbit/s  
95th percentile per-packet one-way delay: 87.418 ms  
Loss rate: 53.05%  
-- Flow 3:  
Average throughput: 2.85 Mbit/s  
95th percentile per-packet one-way delay: 87.534 ms  
Loss rate: 49.65%

Run 5: Report of CalibratedKoho — Data Link

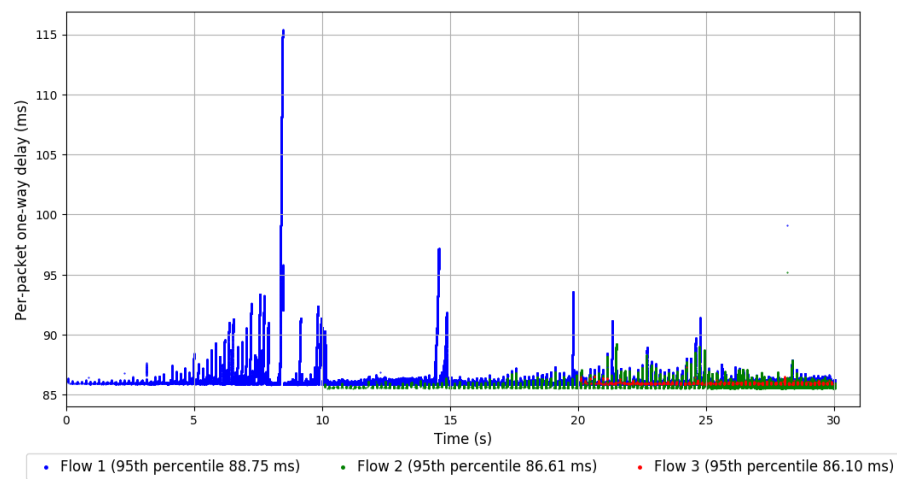
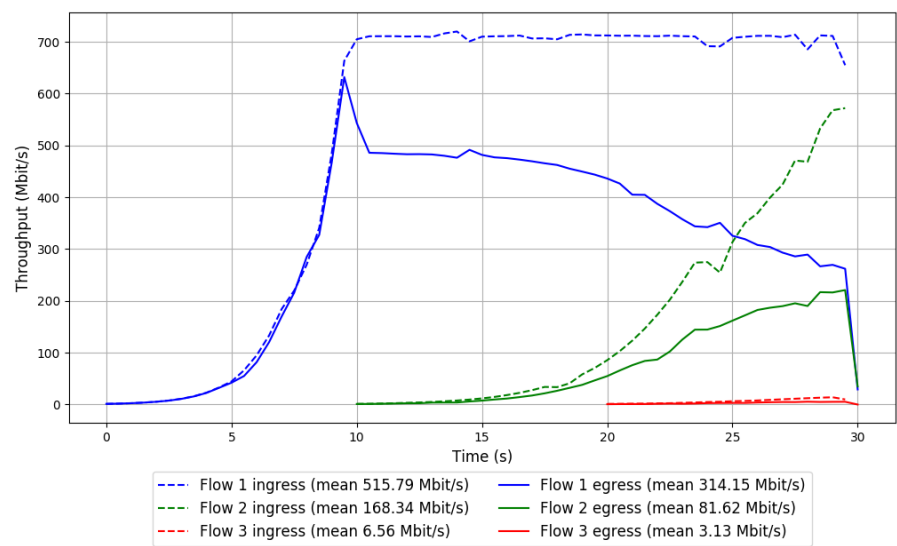


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-18 05:04:56  
End at: 2017-09-18 05:05:26  
Local clock offset: -0.204 ms  
Remote clock offset: -3.438 ms

# Below is generated by plot.py at 2017-09-18 08:07:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 369.55 Mbit/s  
95th percentile per-packet one-way delay: 88.181 ms  
Loss rate: 41.35%  
-- Flow 1:  
Average throughput: 314.15 Mbit/s  
95th percentile per-packet one-way delay: 88.755 ms  
Loss rate: 39.09%  
-- Flow 2:  
Average throughput: 81.62 Mbit/s  
95th percentile per-packet one-way delay: 86.609 ms  
Loss rate: 51.51%  
-- Flow 3:  
Average throughput: 3.13 Mbit/s  
95th percentile per-packet one-way delay: 86.103 ms  
Loss rate: 52.28%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: 2017-09-18 05:26:39

End at: 2017-09-18 05:27:09

Local clock offset: -0.054 ms

Remote clock offset: -7.22 ms

# Below is generated by plot.py at 2017-09-18 08:08:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 365.98 Mbit/s

95th percentile per-packet one-way delay: 84.535 ms

Loss rate: 41.09%

-- Flow 1:

Average throughput: 309.76 Mbit/s

95th percentile per-packet one-way delay: 85.071 ms

Loss rate: 37.40%

-- Flow 2:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 83.579 ms

Loss rate: 55.51%

-- Flow 3:

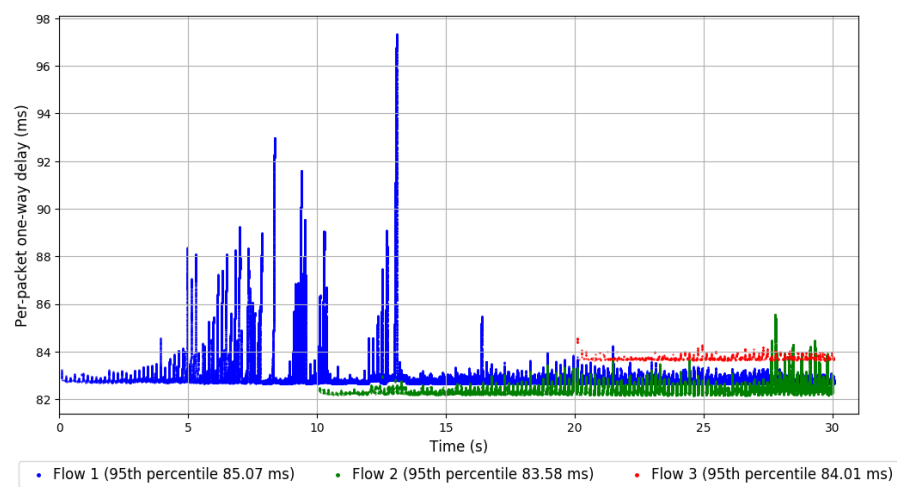
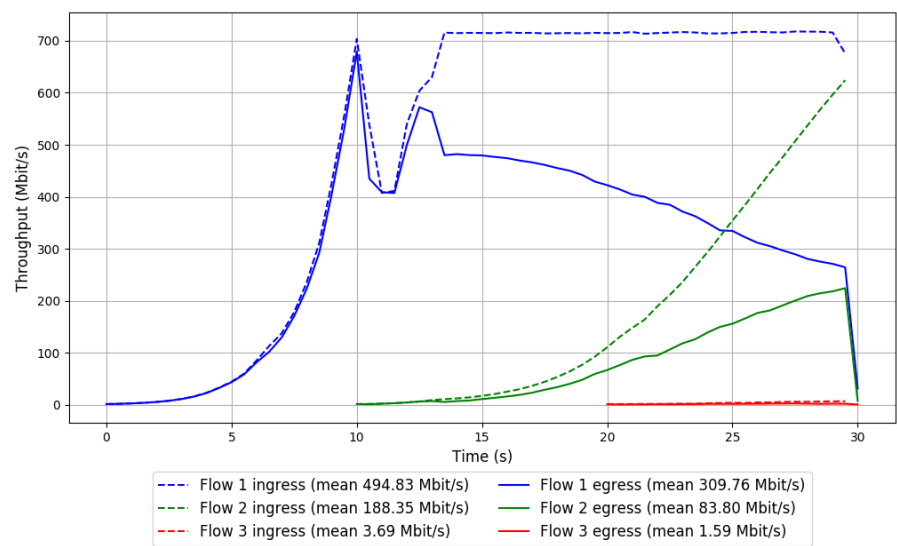
Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 84.008 ms

Loss rate: 56.96%



Run 7: Report of CalibratedKoho — Data Link

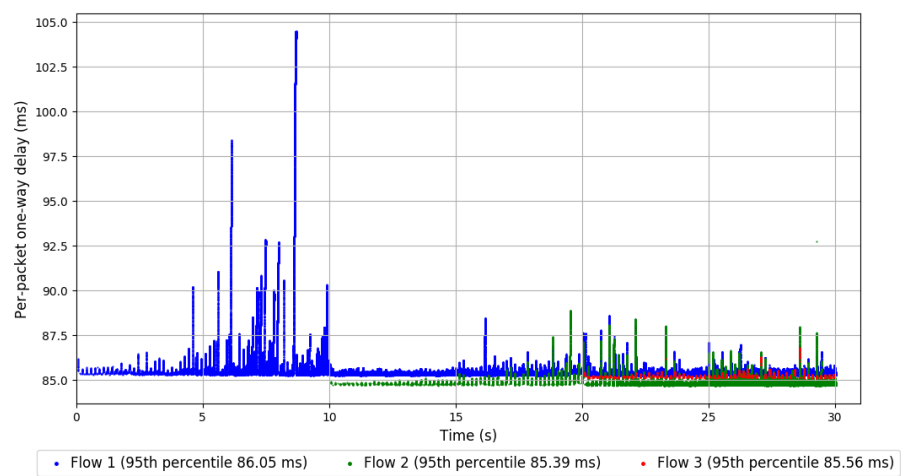
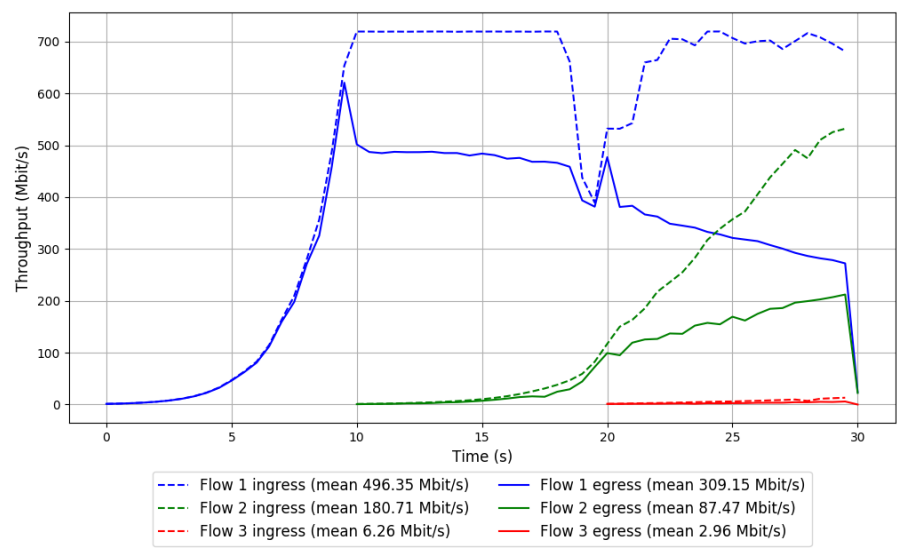


Run 8: Statistics of CalibratedKoho

Start at: 2017-09-18 05:48:28  
End at: 2017-09-18 05:48:58  
Local clock offset: 0.075 ms  
Remote clock offset: -3.813 ms

# Below is generated by plot.py at 2017-09-18 08:09:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 368.40 Mbit/s  
95th percentile per-packet one-way delay: 85.958 ms  
Loss rate: 40.47%  
-- Flow 1:  
Average throughput: 309.15 Mbit/s  
95th percentile per-packet one-way delay: 86.046 ms  
Loss rate: 37.71%  
-- Flow 2:  
Average throughput: 87.47 Mbit/s  
95th percentile per-packet one-way delay: 85.392 ms  
Loss rate: 51.60%  
-- Flow 3:  
Average throughput: 2.96 Mbit/s  
95th percentile per-packet one-way delay: 85.563 ms  
Loss rate: 52.66%

Run 8: Report of CalibratedKoho — Data Link

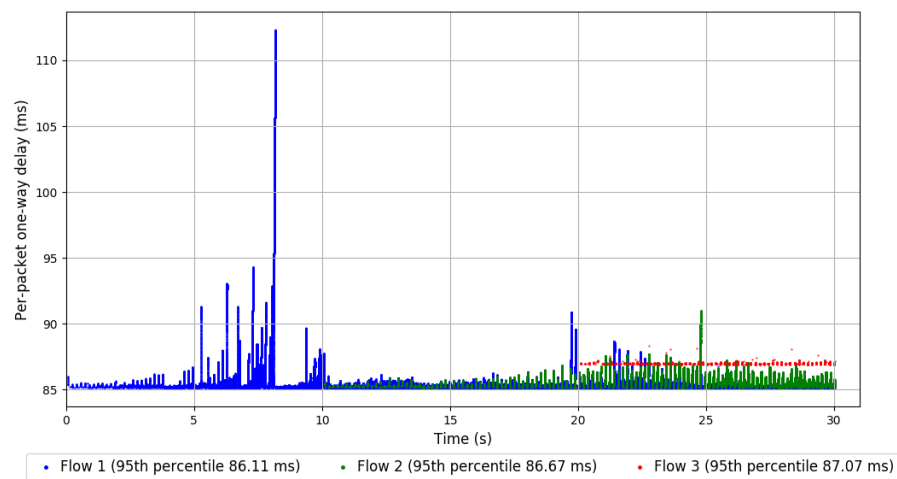
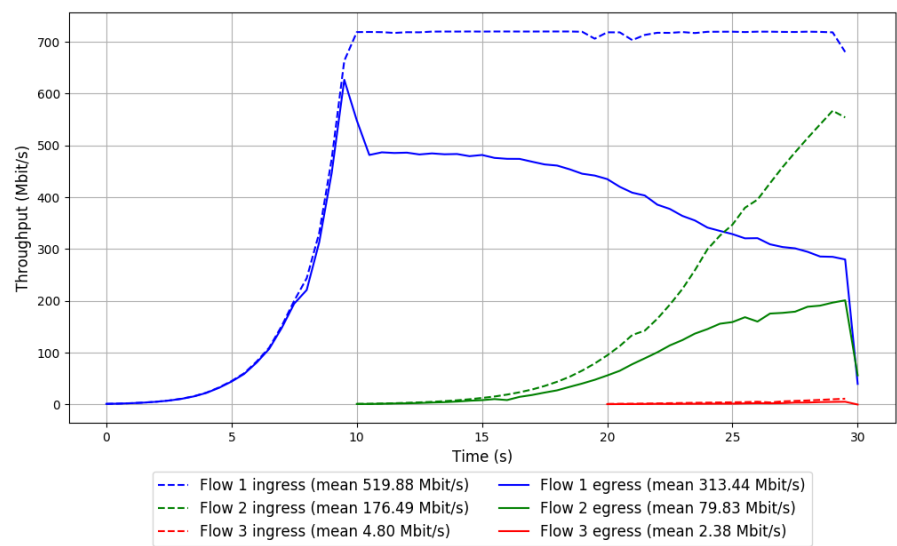


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-18 06:10:19  
End at: 2017-09-18 06:10:49  
Local clock offset: 0.213 ms  
Remote clock offset: -3.289 ms

# Below is generated by plot.py at 2017-09-18 08:12:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 367.40 Mbit/s  
95th percentile per-packet one-way delay: 86.368 ms  
Loss rate: 42.51%  
-- Flow 1:  
Average throughput: 313.44 Mbit/s  
95th percentile per-packet one-way delay: 86.110 ms  
Loss rate: 39.71%  
-- Flow 2:  
Average throughput: 79.83 Mbit/s  
95th percentile per-packet one-way delay: 86.671 ms  
Loss rate: 54.77%  
-- Flow 3:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 87.073 ms  
Loss rate: 50.40%

Run 9: Report of CalibratedKoho — Data Link

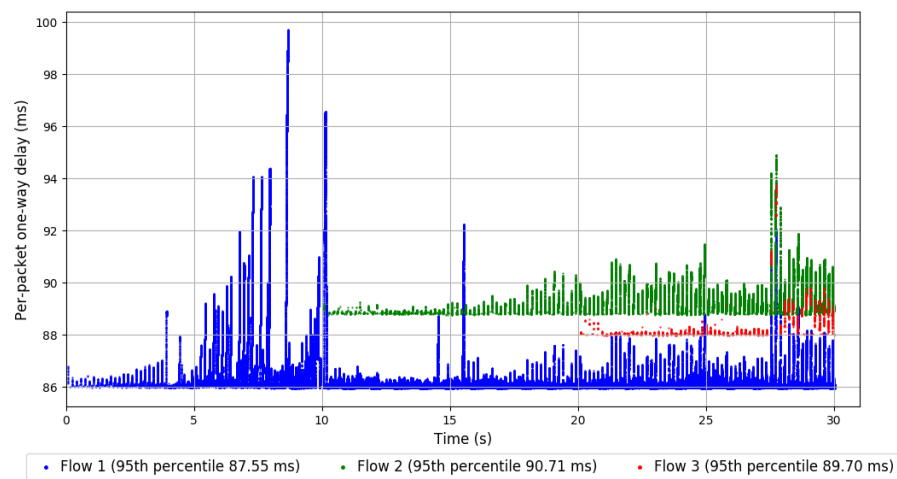
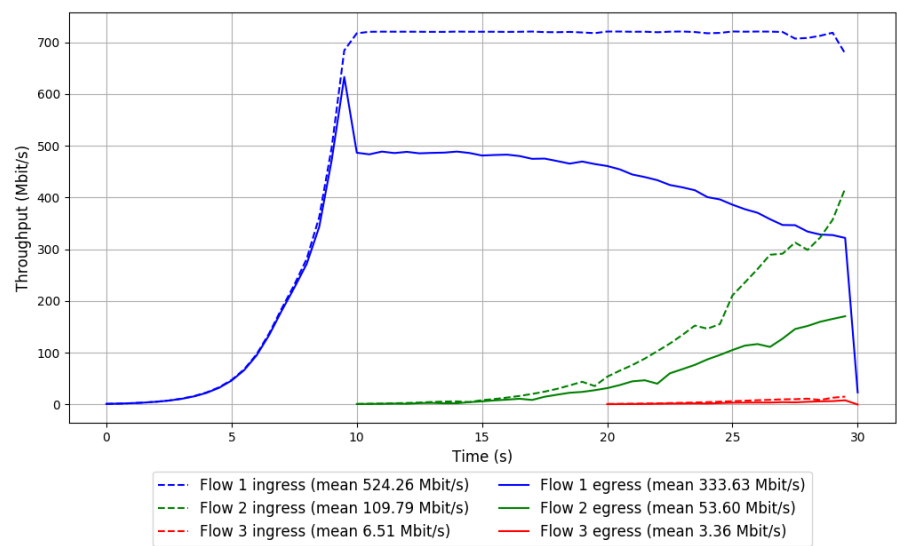


Run 10: Statistics of CalibratedKoho

Start at: 2017-09-18 06:32:06  
End at: 2017-09-18 06:32:36  
Local clock offset: 0.269 ms  
Remote clock offset: -1.963 ms

# Below is generated by plot.py at 2017-09-18 08:12:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 370.35 Mbit/s  
95th percentile per-packet one-way delay: 89.536 ms  
Loss rate: 38.21%  
-- Flow 1:  
Average throughput: 333.63 Mbit/s  
95th percentile per-packet one-way delay: 87.550 ms  
Loss rate: 36.36%  
-- Flow 2:  
Average throughput: 53.60 Mbit/s  
95th percentile per-packet one-way delay: 90.713 ms  
Loss rate: 51.18%  
-- Flow 3:  
Average throughput: 3.36 Mbit/s  
95th percentile per-packet one-way delay: 89.702 ms  
Loss rate: 48.41%

Run 10: Report of CalibratedKoho — Data Link



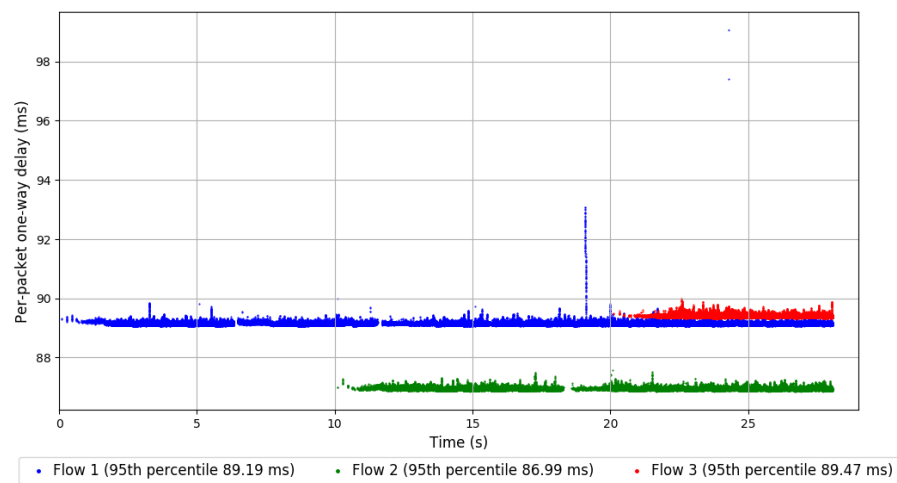
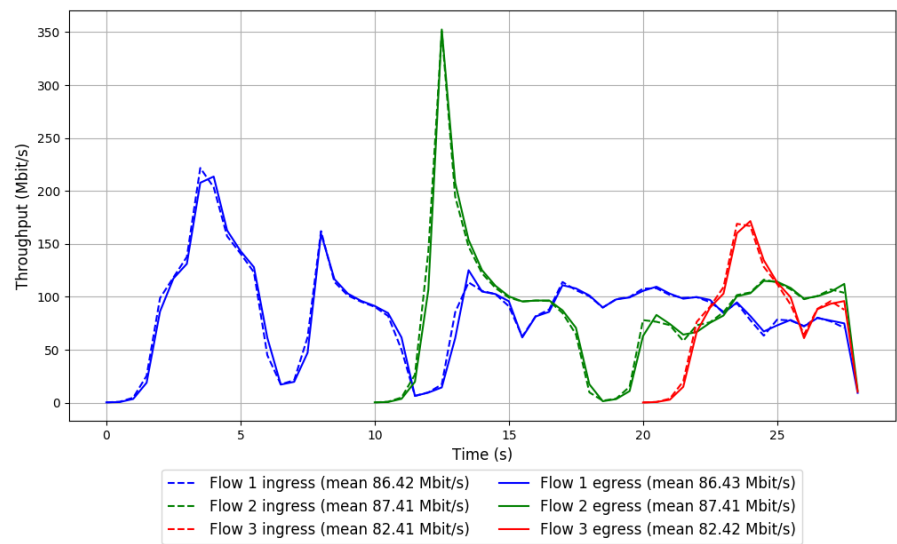
Run 1: Statistics of Copa

Start at: 2017-09-18 03:12:39  
End at: 2017-09-18 03:13:09  
Local clock offset: -1.446 ms  
Remote clock offset: -1.472 ms

# Below is generated by plot.py at 2017-09-18 08:12:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.91 Mbit/s  
95th percentile per-packet one-way delay: 89.410 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.43 Mbit/s  
95th percentile per-packet one-way delay: 89.192 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 87.41 Mbit/s  
95th percentile per-packet one-way delay: 86.992 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 82.42 Mbit/s  
95th percentile per-packet one-way delay: 89.466 ms  
Loss rate: 0.00%



Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-09-18 03:34:44

End at: 2017-09-18 03:35:14

Local clock offset: -1.246 ms

Remote clock offset: -6.99 ms

# Below is generated by plot.py at 2017-09-18 08:12:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 165.90 Mbit/s

95th percentile per-packet one-way delay: 83.319 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 81.591 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 82.301 ms

Loss rate: 0.00%

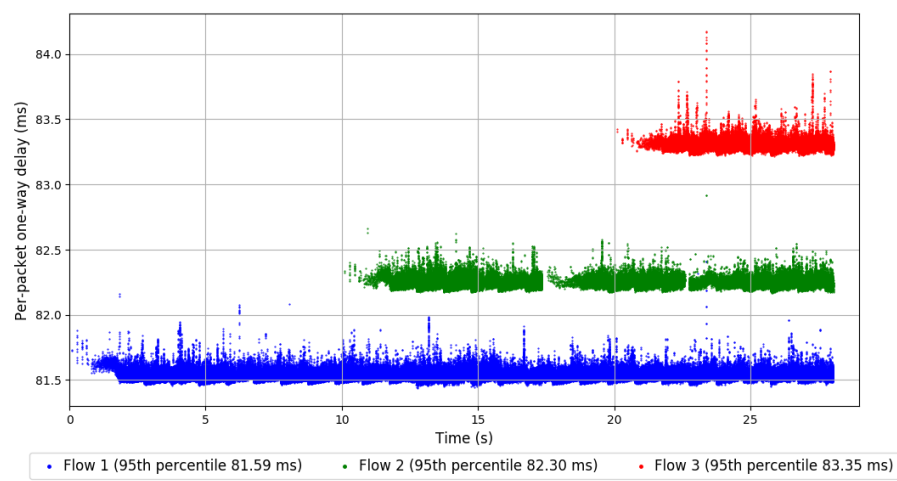
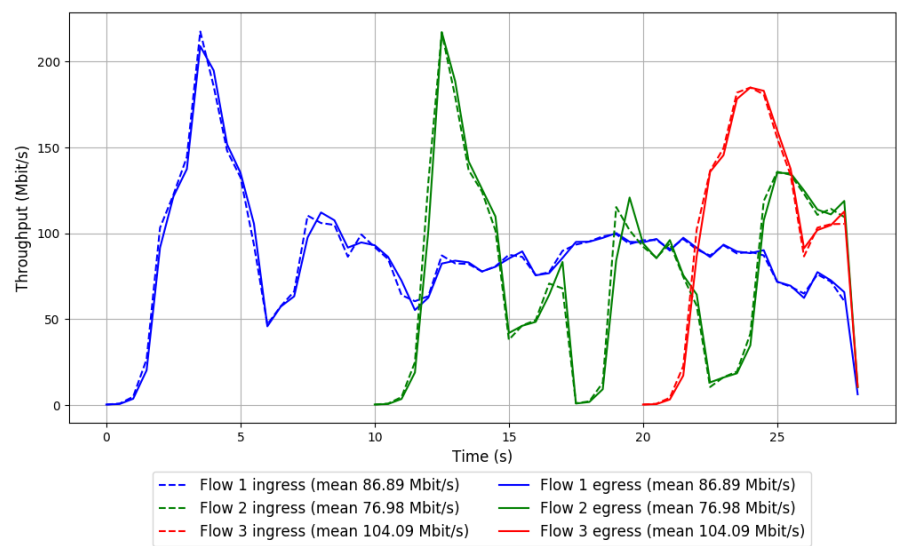
-- Flow 3:

Average throughput: 104.09 Mbit/s

95th percentile per-packet one-way delay: 83.353 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-09-18 03:56:43

End at: 2017-09-18 03:57:13

Local clock offset: -1.079 ms

Remote clock offset: -2.0 ms

# Below is generated by plot.py at 2017-09-18 08:12:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 165.14 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.09 Mbit/s

95th percentile per-packet one-way delay: 88.098 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.26 Mbit/s

95th percentile per-packet one-way delay: 86.813 ms

Loss rate: 0.00%

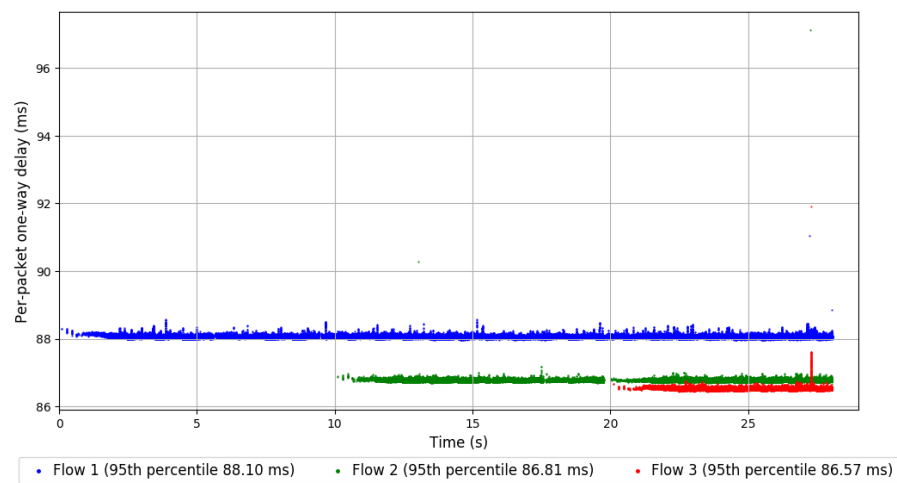
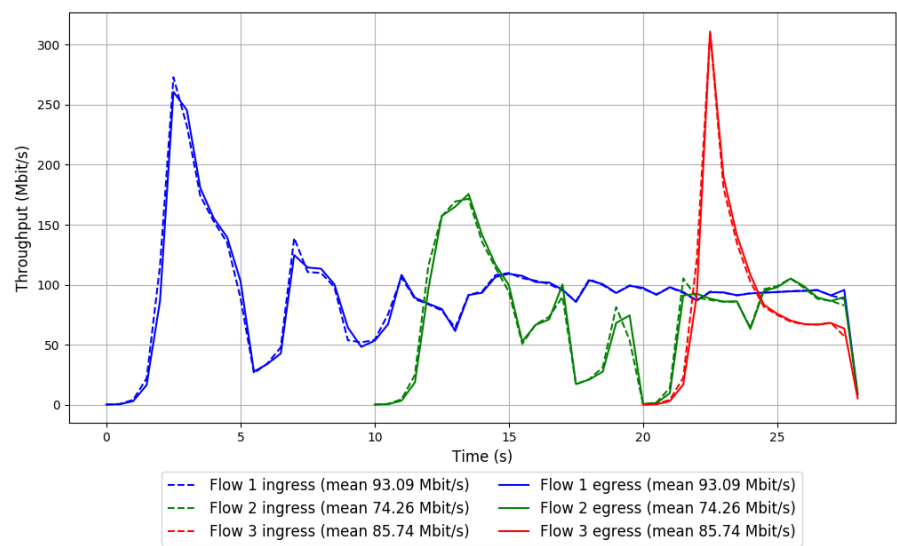
-- Flow 3:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 86.566 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

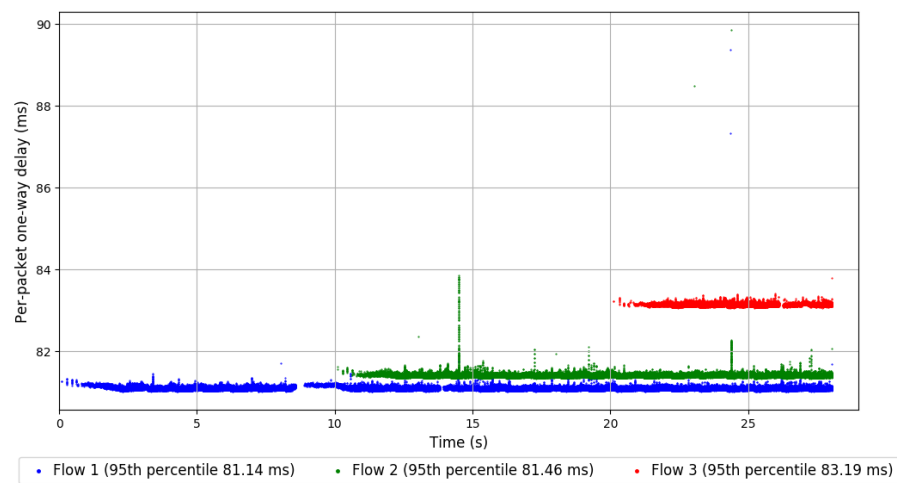
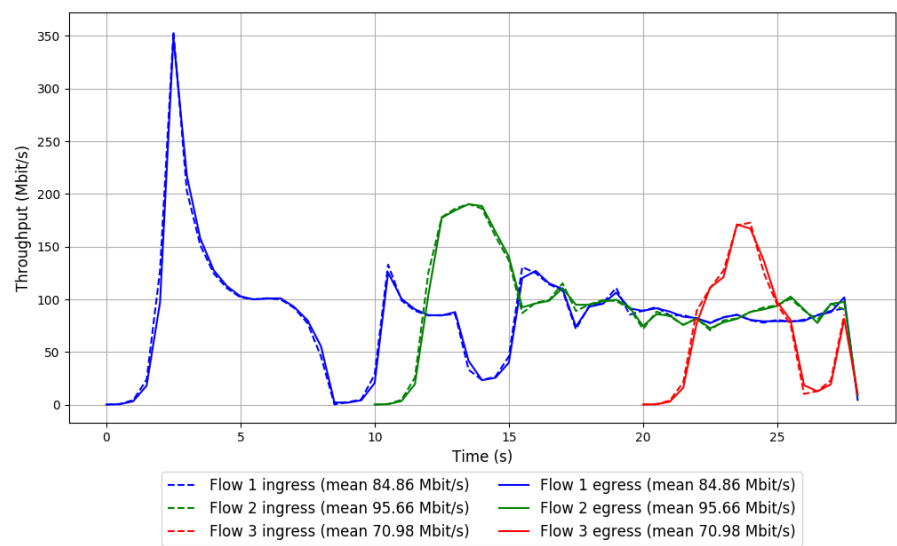


Run 4: Statistics of Copa

Start at: 2017-09-18 04:18:26  
End at: 2017-09-18 04:18:56  
Local clock offset: -0.81 ms  
Remote clock offset: -7.426 ms

# Below is generated by plot.py at 2017-09-18 08:12:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 166.41 Mbit/s  
95th percentile per-packet one-way delay: 83.148 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.86 Mbit/s  
95th percentile per-packet one-way delay: 81.139 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 95.66 Mbit/s  
95th percentile per-packet one-way delay: 81.456 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 70.98 Mbit/s  
95th percentile per-packet one-way delay: 83.186 ms  
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



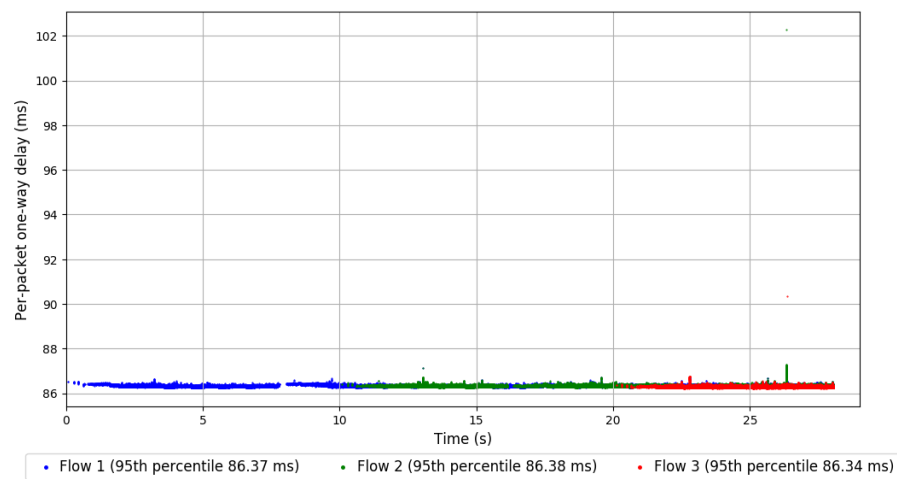
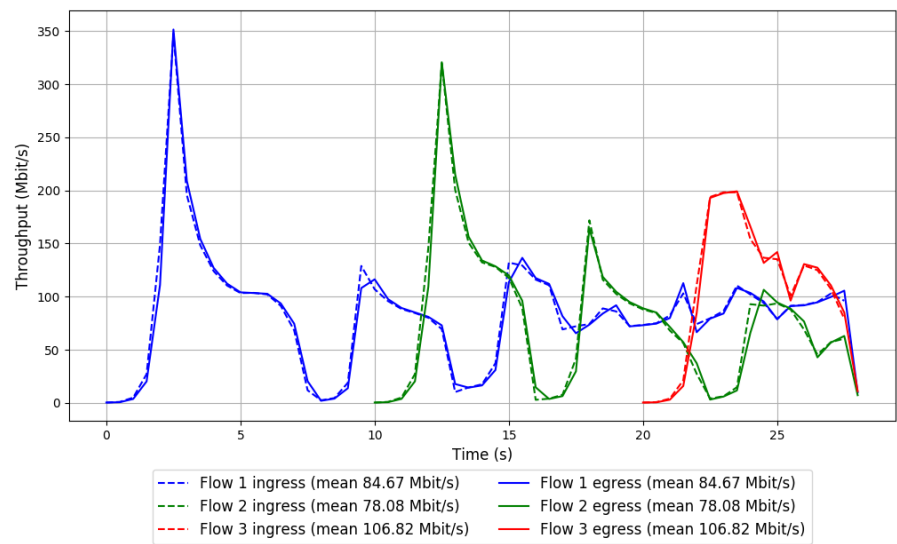
Run 5: Statistics of Copa

Start at: 2017-09-18 04:40:13  
End at: 2017-09-18 04:40:43  
Local clock offset: -0.568 ms  
Remote clock offset: -2.429 ms

# Below is generated by plot.py at 2017-09-18 08:12:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.11 Mbit/s  
95th percentile per-packet one-way delay: 86.371 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 84.67 Mbit/s  
95th percentile per-packet one-way delay: 86.372 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 78.08 Mbit/s  
95th percentile per-packet one-way delay: 86.375 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 106.82 Mbit/s  
95th percentile per-packet one-way delay: 86.338 ms  
Loss rate: 0.03%



Run 5: Report of Copa — Data Link

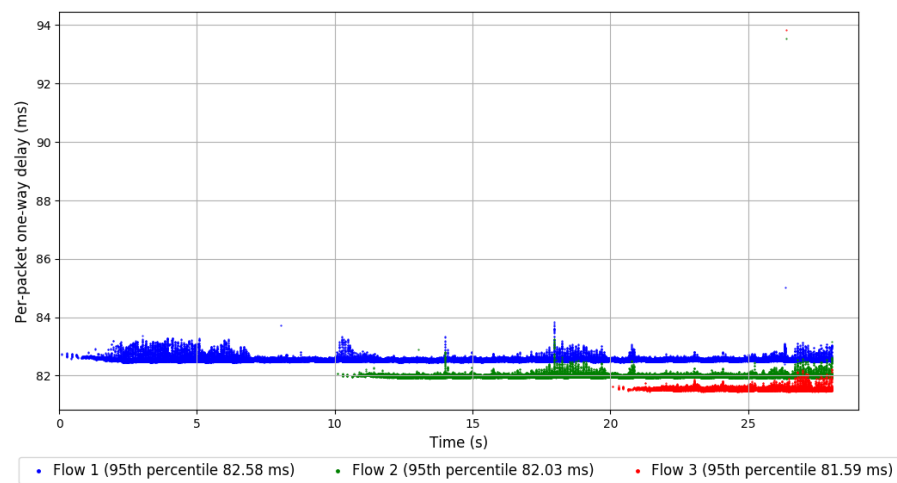
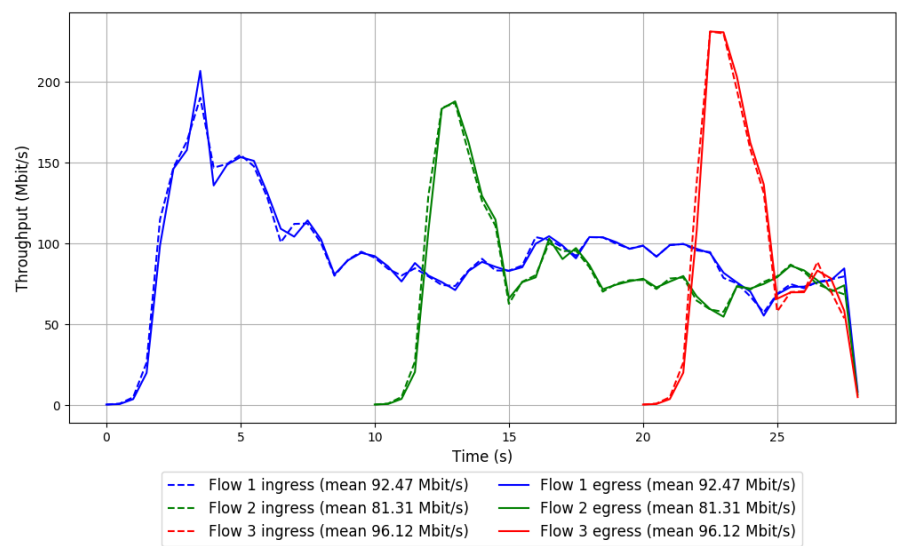


Run 6: Statistics of Copa

Start at: 2017-09-18 05:02:11  
End at: 2017-09-18 05:02:41  
Local clock offset: -0.318 ms  
Remote clock offset: -7.368 ms

# Below is generated by plot.py at 2017-09-18 08:13:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 172.00 Mbit/s  
95th percentile per-packet one-way delay: 82.572 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.47 Mbit/s  
95th percentile per-packet one-way delay: 82.584 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 81.31 Mbit/s  
95th percentile per-packet one-way delay: 82.027 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 96.12 Mbit/s  
95th percentile per-packet one-way delay: 81.586 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

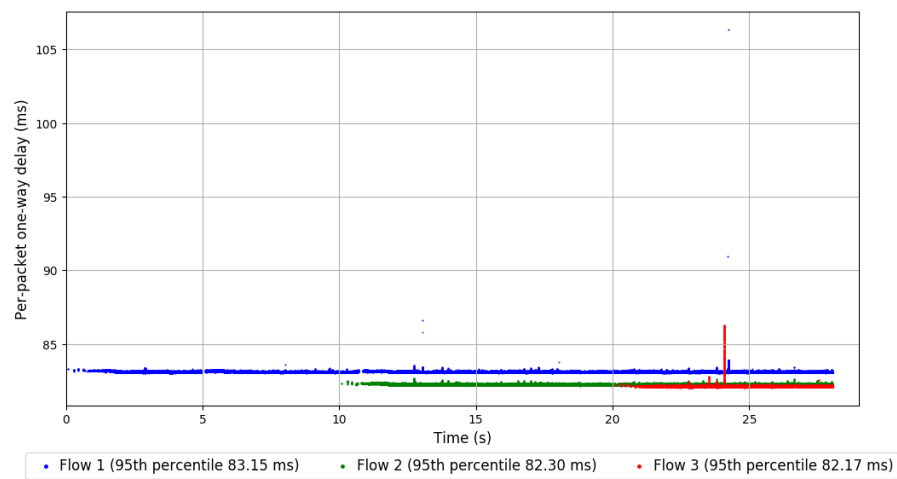
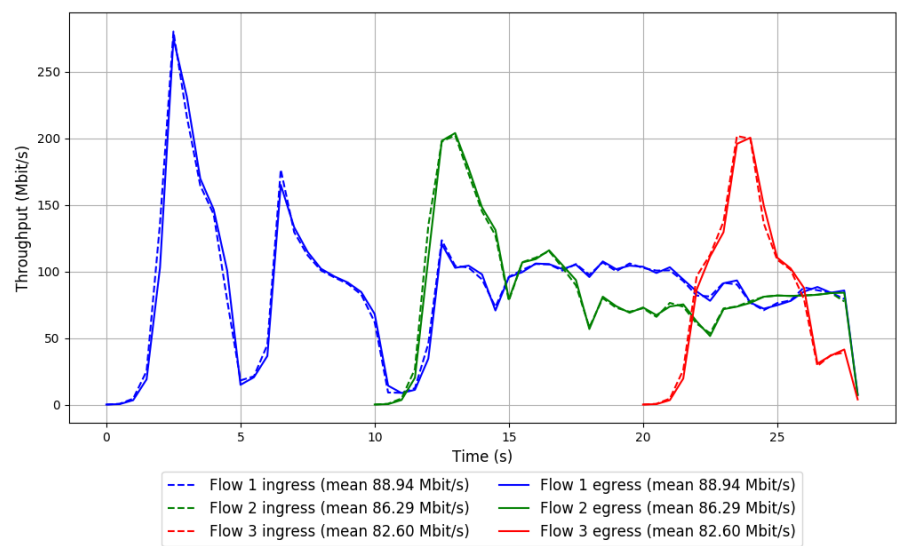


Run 7: Statistics of Copa

Start at: 2017-09-18 05:23:54  
End at: 2017-09-18 05:24:24  
Local clock offset: -0.077 ms  
Remote clock offset: -6.816 ms

# Below is generated by plot.py at 2017-09-18 08:14:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 167.83 Mbit/s  
95th percentile per-packet one-way delay: 83.145 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 88.94 Mbit/s  
95th percentile per-packet one-way delay: 83.154 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 86.29 Mbit/s  
95th percentile per-packet one-way delay: 82.301 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 82.60 Mbit/s  
95th percentile per-packet one-way delay: 82.171 ms  
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

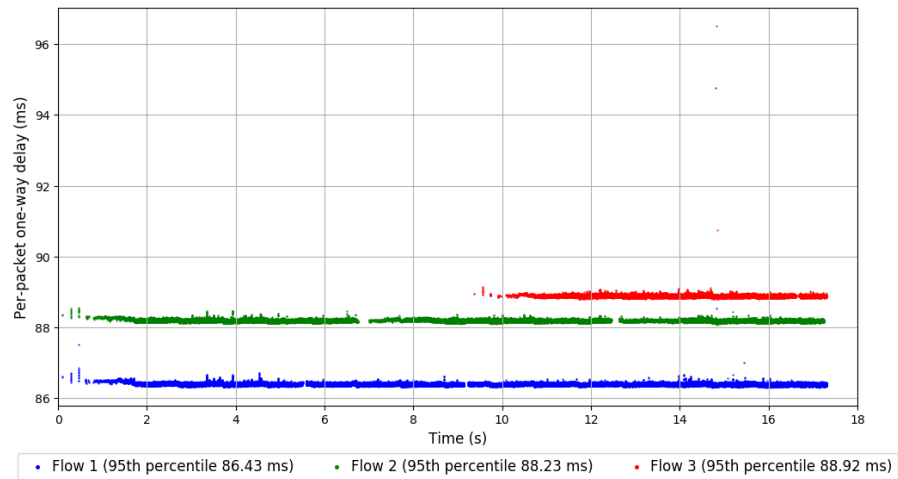
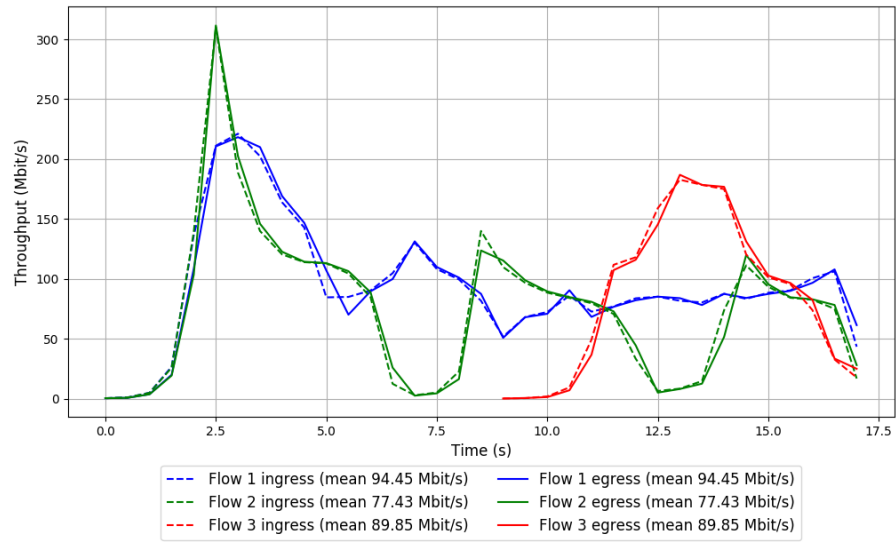
Start at: 2017-09-18 05:45:45

End at: 2017-09-18 05:46:15

Local clock offset: -0.033 ms

Remote clock offset: -2.684 ms

## Run 8: Report of Copa — Data Link



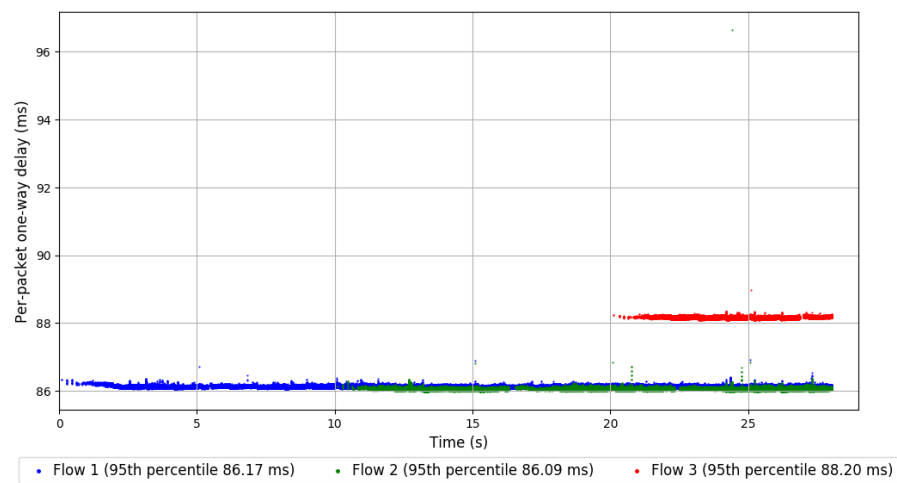
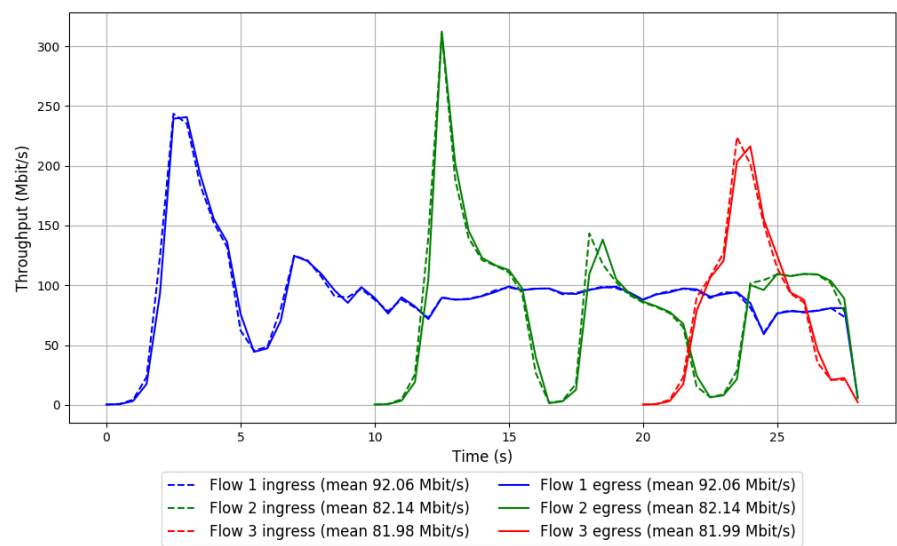
Run 9: Statistics of Copa

Start at: 2017-09-18 06:07:35  
End at: 2017-09-18 06:08:05  
Local clock offset: 0.233 ms  
Remote clock offset: -2.509 ms

# Below is generated by plot.py at 2017-09-18 08:14:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 168.00 Mbit/s  
95th percentile per-packet one-way delay: 88.170 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.06 Mbit/s  
95th percentile per-packet one-way delay: 86.165 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 82.14 Mbit/s  
95th percentile per-packet one-way delay: 86.094 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 81.99 Mbit/s  
95th percentile per-packet one-way delay: 88.201 ms  
Loss rate: 0.00%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

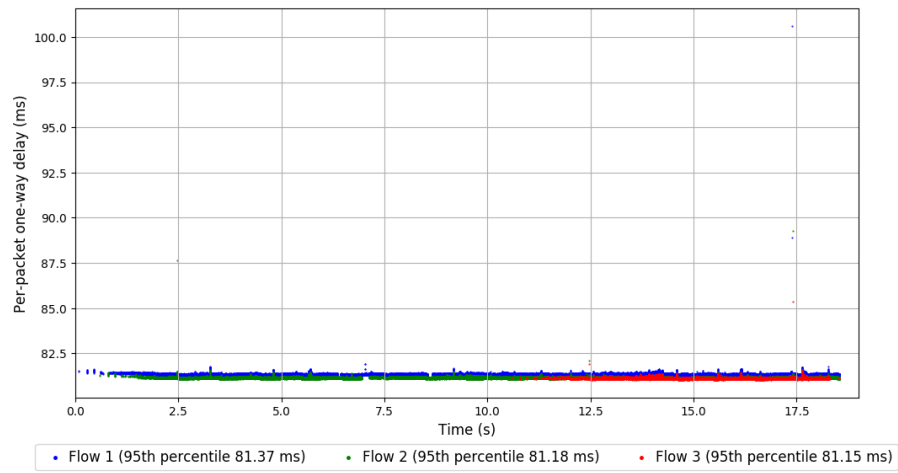
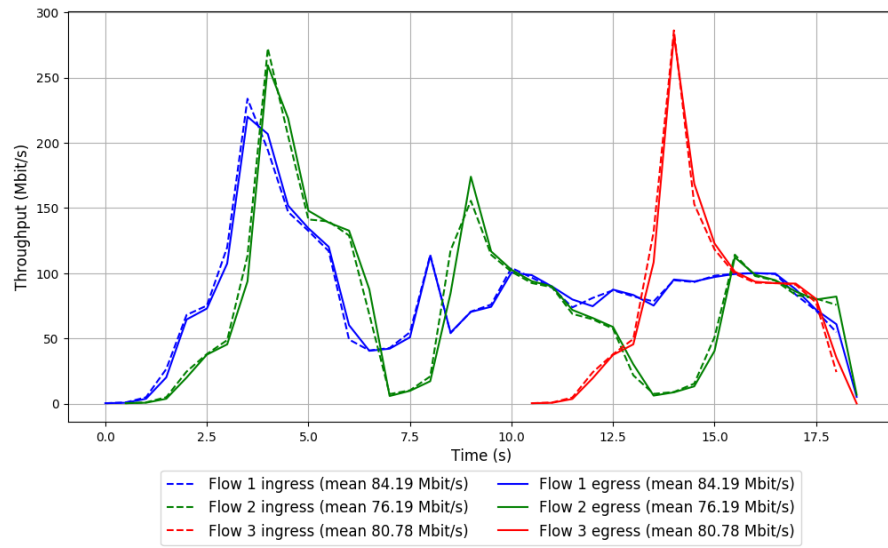
Start at: 2017-09-18 06:29:26

End at: 2017-09-18 06:29:56

Local clock offset: 0.297 ms

Remote clock offset: -7.094 ms

## Run 10: Report of Copa — Data Link

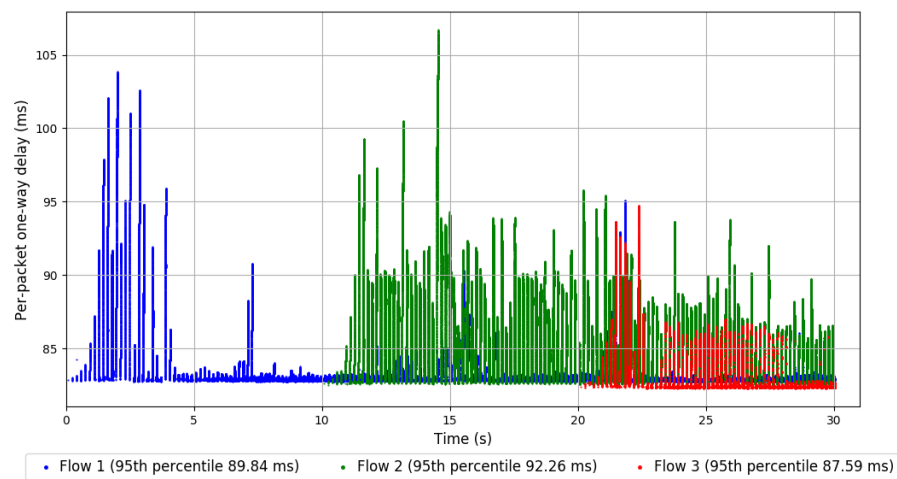
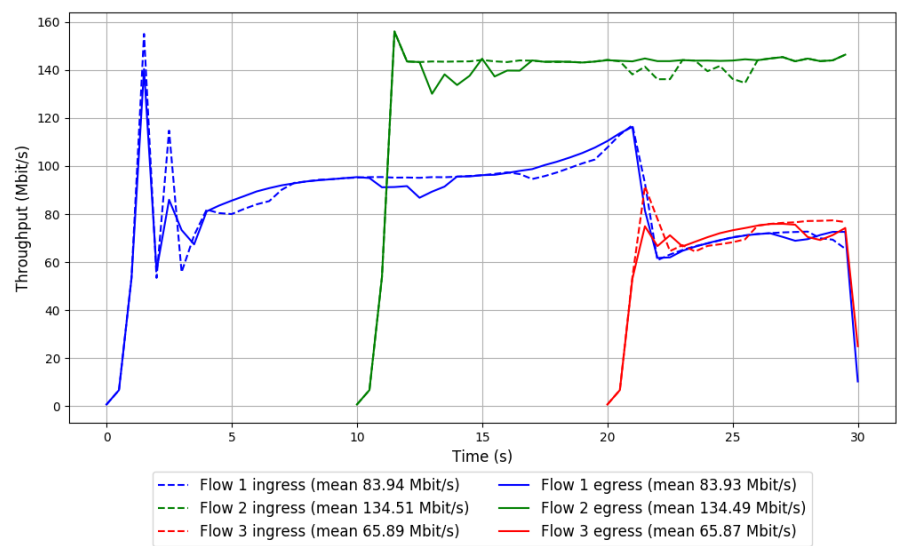


Run 1: Statistics of TCP Cubic

Start at: 2017-09-18 03:20:53  
End at: 2017-09-18 03:21:23  
Local clock offset: -1.346 ms  
Remote clock offset: -6.017 ms

# Below is generated by plot.py at 2017-09-18 08:15:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 195.03 Mbit/s  
95th percentile per-packet one-way delay: 91.366 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 83.93 Mbit/s  
95th percentile per-packet one-way delay: 89.843 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 134.49 Mbit/s  
95th percentile per-packet one-way delay: 92.259 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 65.87 Mbit/s  
95th percentile per-packet one-way delay: 87.590 ms  
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

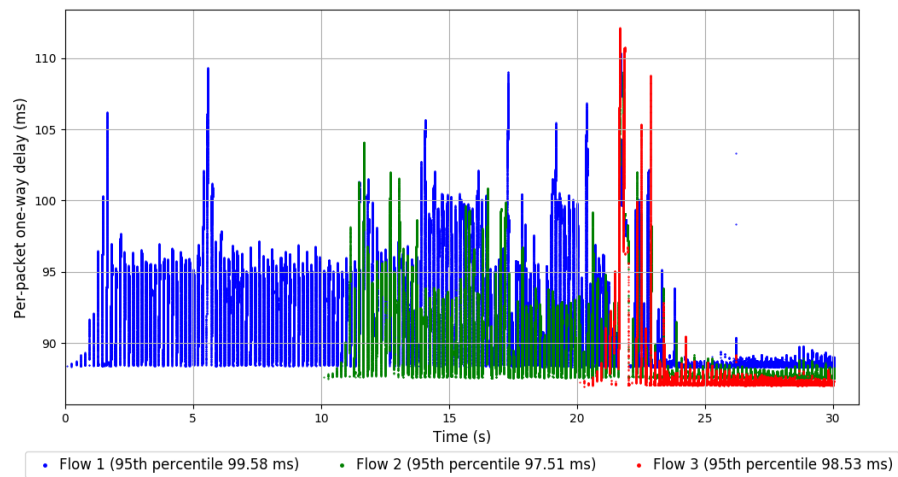
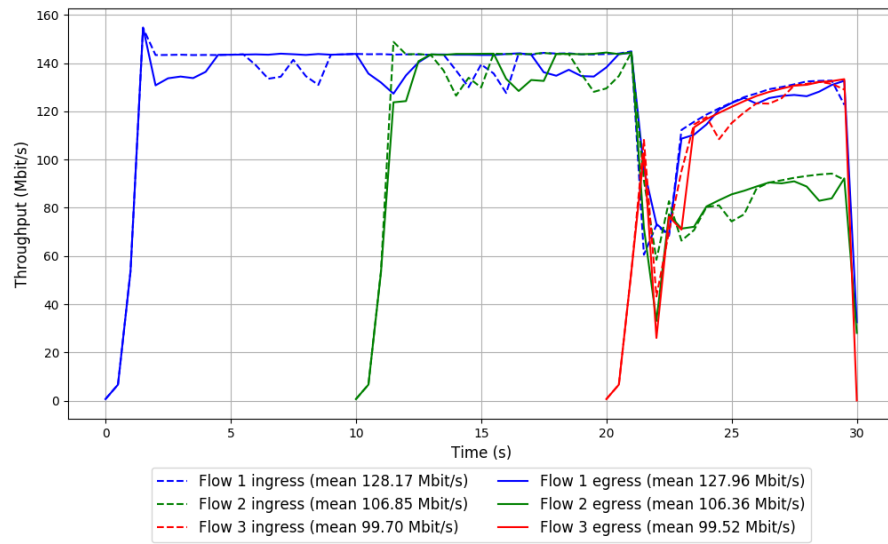


Run 2: Statistics of TCP Cubic

Start at: 2017-09-18 03:42:40  
End at: 2017-09-18 03:43:10  
Local clock offset: -1.15 ms  
Remote clock offset: -1.605 ms

# Below is generated by plot.py at 2017-09-18 08:15:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 231.80 Mbit/s  
95th percentile per-packet one-way delay: 99.112 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 127.96 Mbit/s  
95th percentile per-packet one-way delay: 99.576 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 106.36 Mbit/s  
95th percentile per-packet one-way delay: 97.507 ms  
Loss rate: 0.46%  
-- Flow 3:  
Average throughput: 99.52 Mbit/s  
95th percentile per-packet one-way delay: 98.527 ms  
Loss rate: 0.18%

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



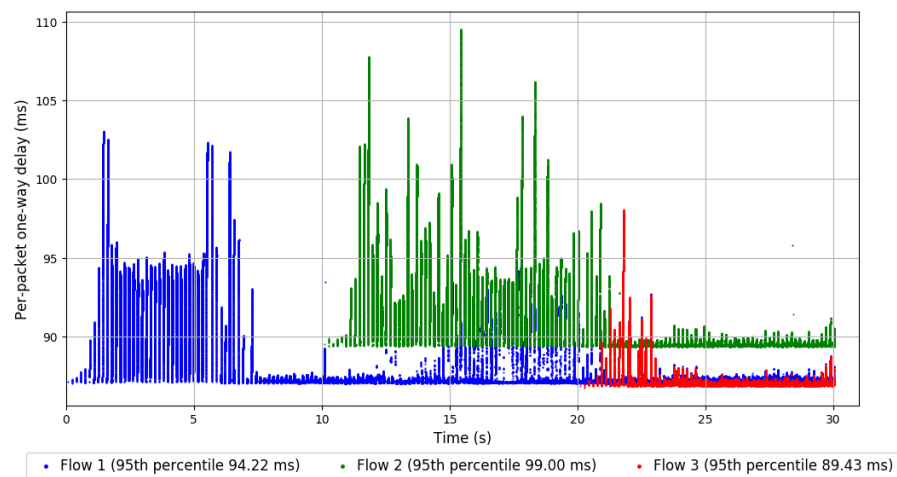
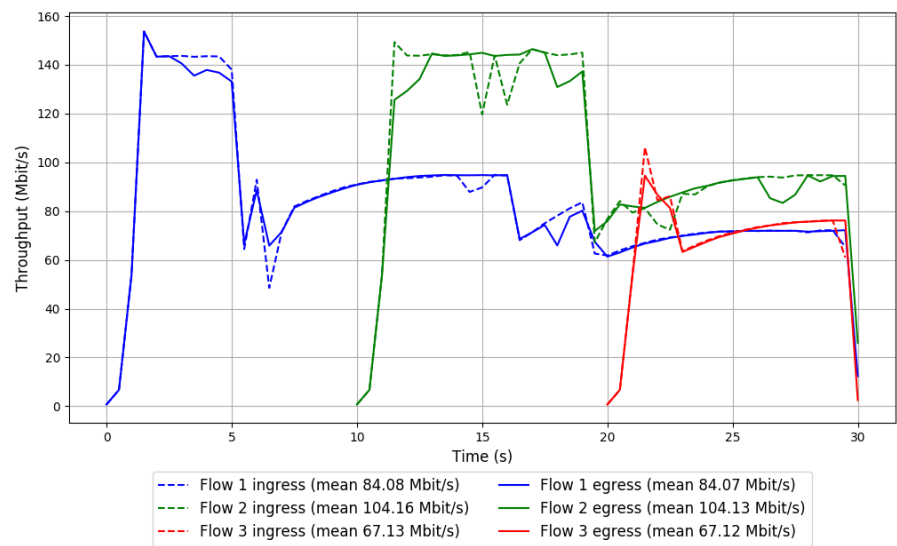
Run 3: Statistics of TCP Cubic

Start at: 2017-09-18 04:04:48  
End at: 2017-09-18 04:05:18  
Local clock offset: -0.957 ms  
Remote clock offset: -1.646 ms

# Below is generated by plot.py at 2017-09-18 08:15:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 175.68 Mbit/s  
95th percentile per-packet one-way delay: 96.145 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 84.07 Mbit/s  
95th percentile per-packet one-way delay: 94.215 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 104.13 Mbit/s  
95th percentile per-packet one-way delay: 99.003 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 67.12 Mbit/s  
95th percentile per-packet one-way delay: 89.429 ms  
Loss rate: 0.00%



Run 3: Report of TCP Cubic — Data Link

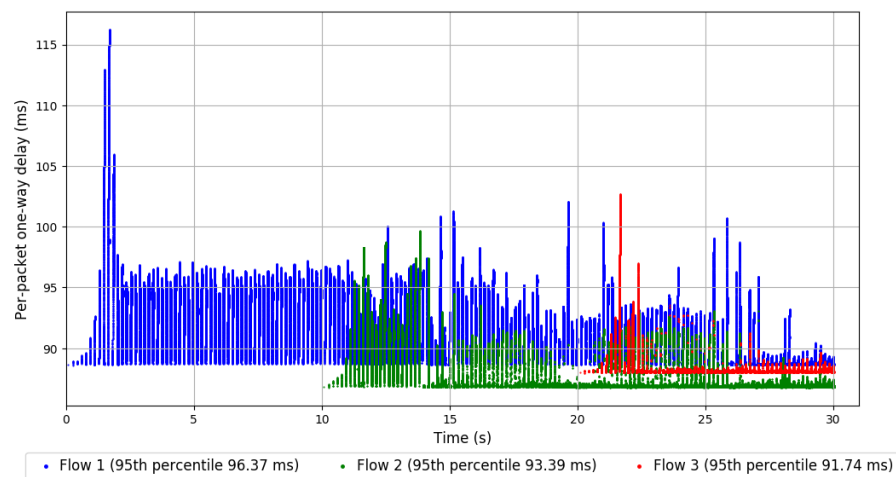
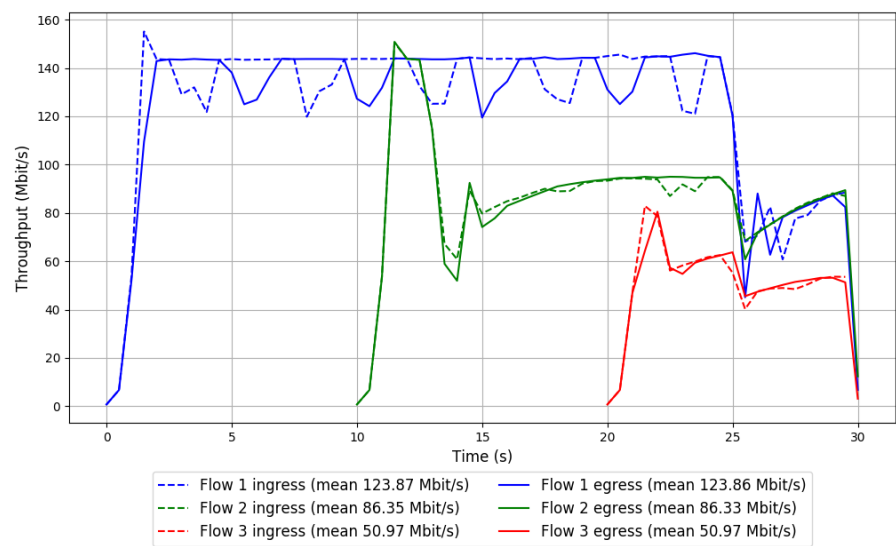


Run 4: Statistics of TCP Cubic

Start at: 2017-09-18 04:26:32  
End at: 2017-09-18 04:27:02  
Local clock offset: -0.74 ms  
Remote clock offset: -2.168 ms

# Below is generated by plot.py at 2017-09-18 08:16:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 198.22 Mbit/s  
95th percentile per-packet one-way delay: 96.031 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 123.86 Mbit/s  
95th percentile per-packet one-way delay: 96.368 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 86.33 Mbit/s  
95th percentile per-packet one-way delay: 93.394 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 50.97 Mbit/s  
95th percentile per-packet one-way delay: 91.743 ms  
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

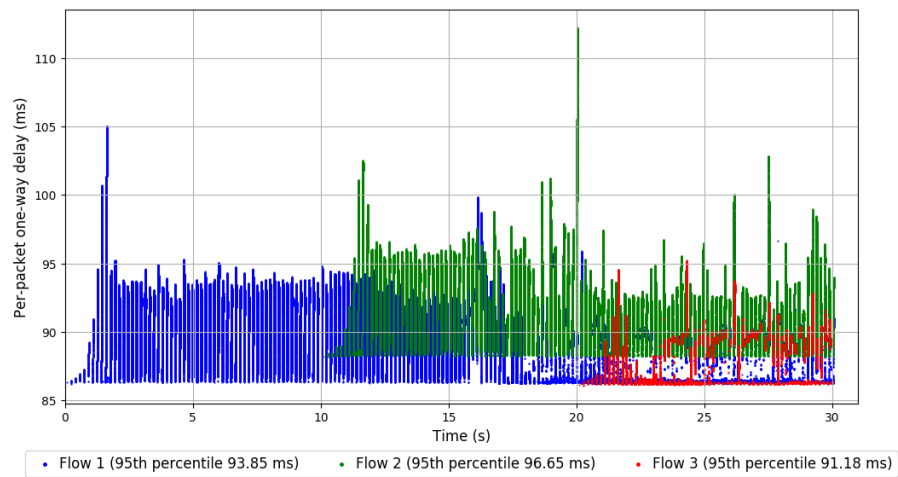
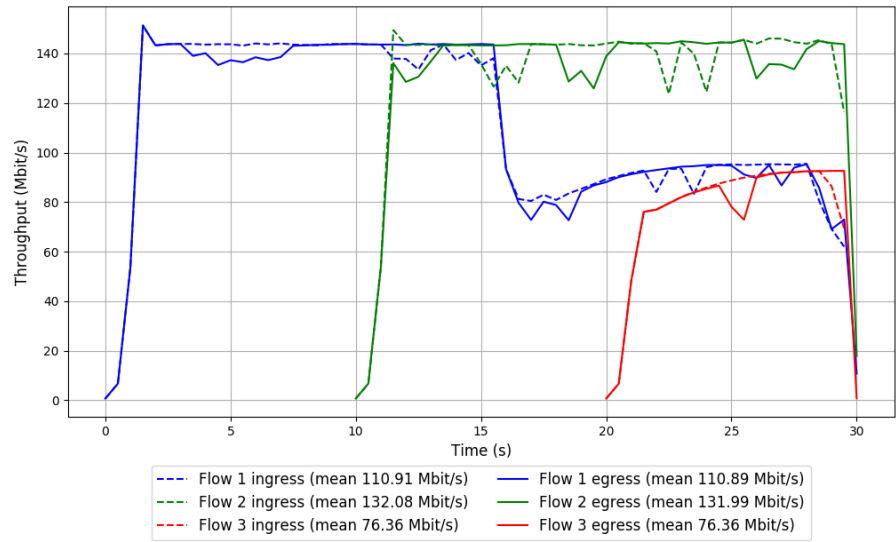


Run 5: Statistics of TCP Cubic

Start at: 2017-09-18 04:48:12  
End at: 2017-09-18 04:48:42  
Local clock offset: -0.49 ms  
Remote clock offset: -2.864 ms

# Below is generated by plot.py at 2017-09-18 08:16:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 224.03 Mbit/s  
95th percentile per-packet one-way delay: 95.492 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 110.89 Mbit/s  
95th percentile per-packet one-way delay: 93.852 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 131.99 Mbit/s  
95th percentile per-packet one-way delay: 96.649 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 76.36 Mbit/s  
95th percentile per-packet one-way delay: 91.184 ms  
Loss rate: 0.00%

# Run 5: Report of TCP Cubic — Data Link

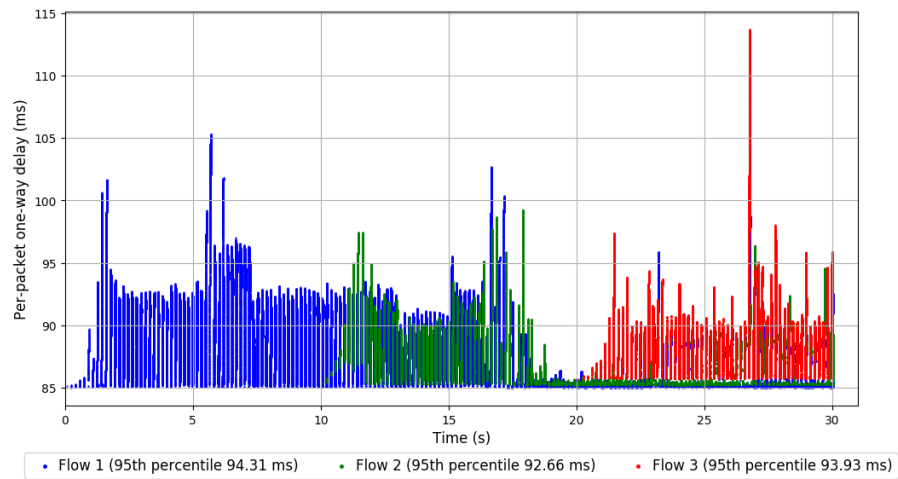
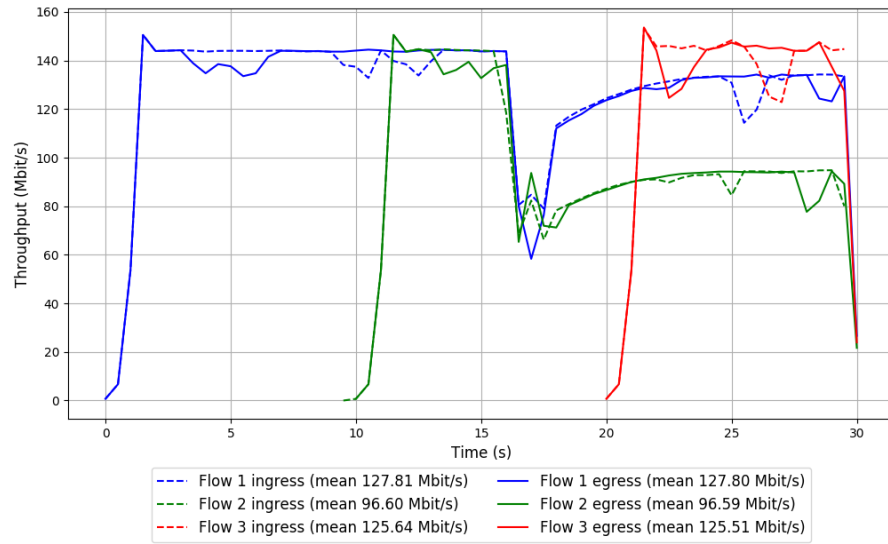


Run 6: Statistics of TCP Cubic

Start at: 2017-09-18 05:10:06  
End at: 2017-09-18 05:10:36  
Local clock offset: -0.161 ms  
Remote clock offset: -4.097 ms

# Below is generated by plot.py at 2017-09-18 08:17:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 233.75 Mbit/s  
95th percentile per-packet one-way delay: 93.882 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 127.80 Mbit/s  
95th percentile per-packet one-way delay: 94.311 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 96.59 Mbit/s  
95th percentile per-packet one-way delay: 92.656 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 125.51 Mbit/s  
95th percentile per-packet one-way delay: 93.931 ms  
Loss rate: 0.00%

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



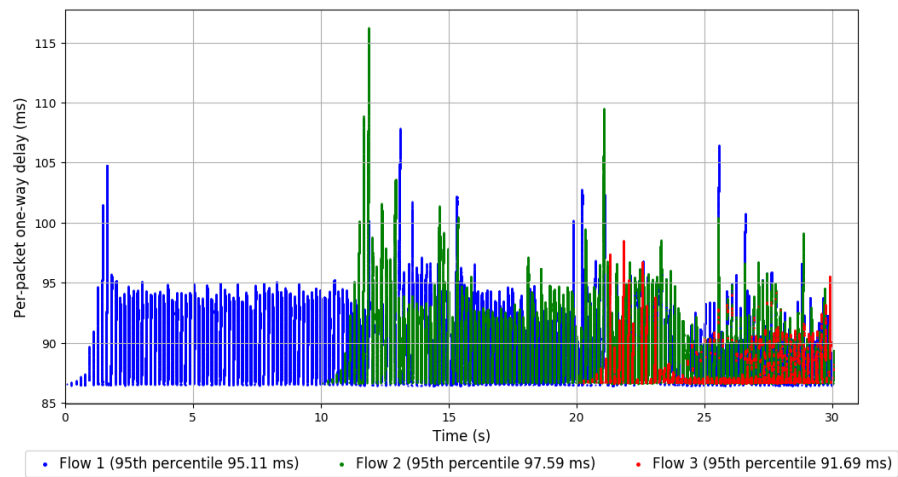
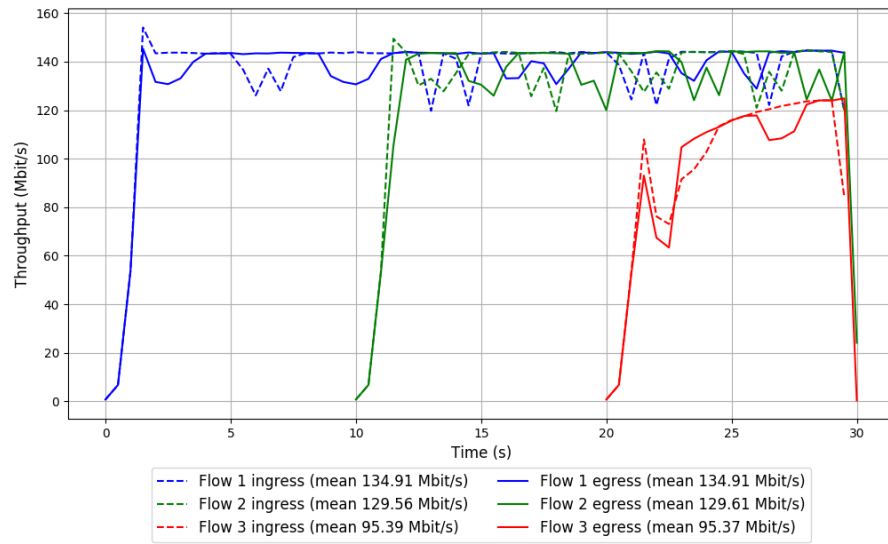
Run 7: Statistics of TCP Cubic

Start at: 2017-09-18 05:31:56  
End at: 2017-09-18 05:32:26  
Local clock offset: 0.004 ms  
Remote clock offset: -4.446 ms

# Below is generated by plot.py at 2017-09-18 08:17:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 252.68 Mbit/s  
95th percentile per-packet one-way delay: 95.624 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 134.91 Mbit/s  
95th percentile per-packet one-way delay: 95.115 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 129.61 Mbit/s  
95th percentile per-packet one-way delay: 97.587 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 95.37 Mbit/s  
95th percentile per-packet one-way delay: 91.694 ms  
Loss rate: 0.00%



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

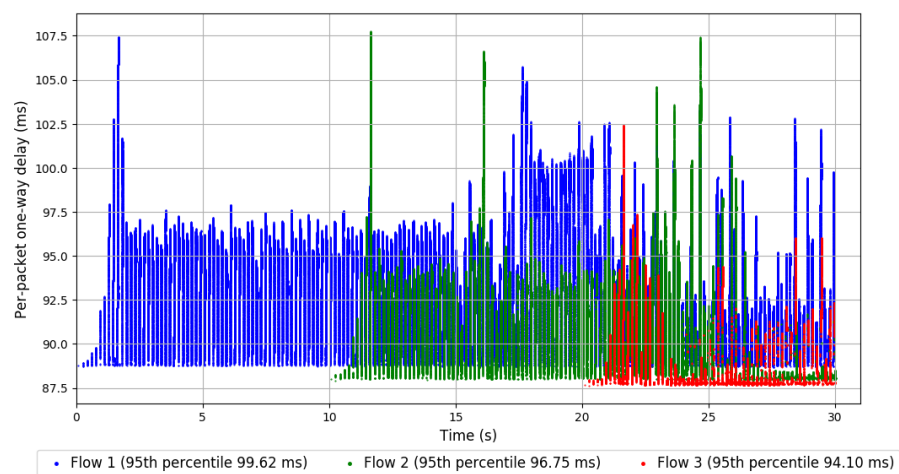
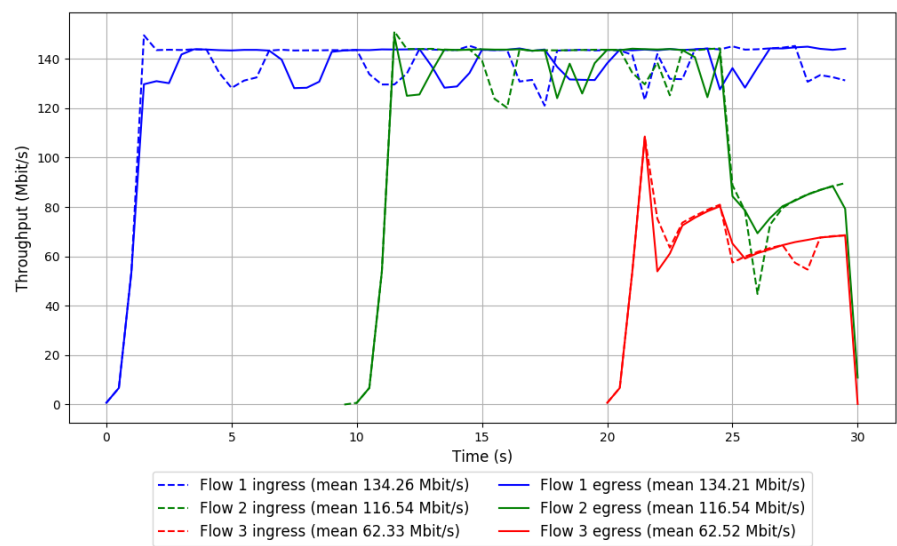


Run 8: Statistics of TCP Cubic

Start at: 2017-09-18 05:53:46  
End at: 2017-09-18 05:54:16  
Local clock offset: 0.089 ms  
Remote clock offset: -2.829 ms

# Below is generated by plot.py at 2017-09-18 08:17:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 232.28 Mbit/s  
95th percentile per-packet one-way delay: 99.049 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 134.21 Mbit/s  
95th percentile per-packet one-way delay: 99.618 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 116.54 Mbit/s  
95th percentile per-packet one-way delay: 96.751 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 62.52 Mbit/s  
95th percentile per-packet one-way delay: 94.100 ms  
Loss rate: 0.03%

Run 8: Report of TCP Cubic — Data Link

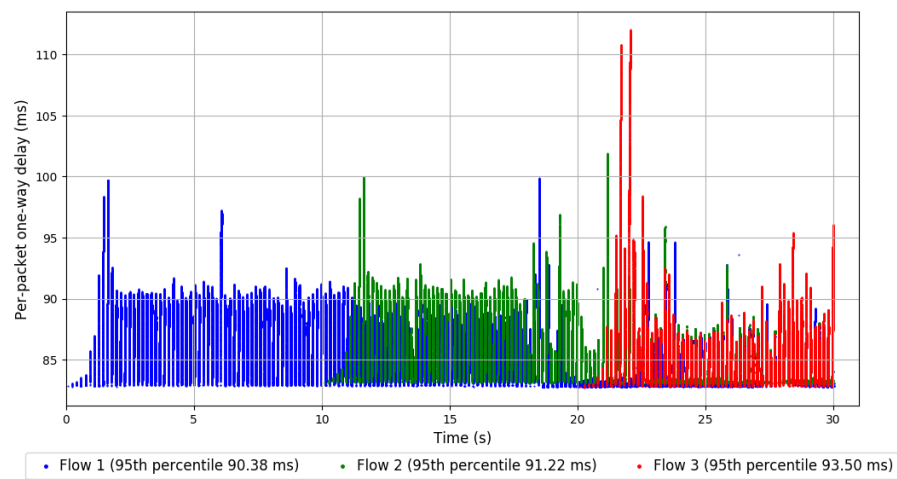
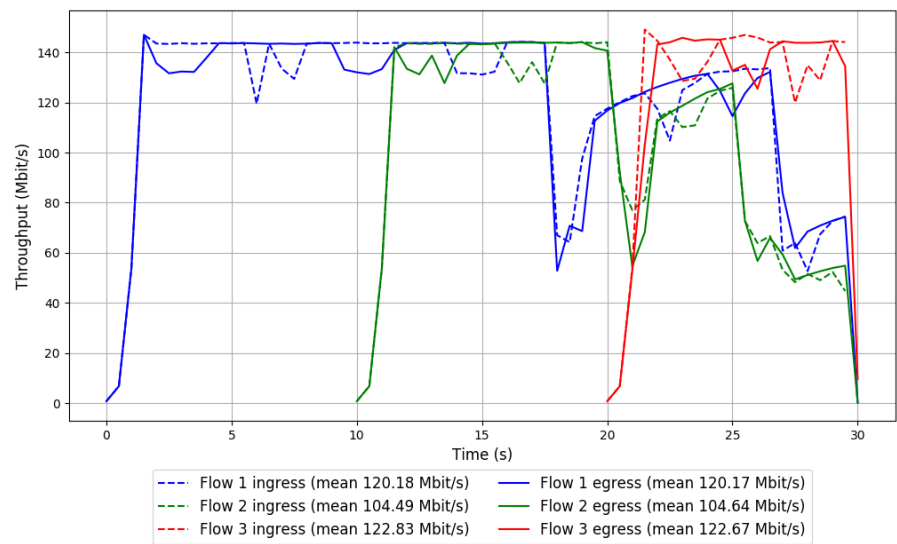


Run 9: Statistics of TCP Cubic

Start at: 2017-09-18 06:15:38  
End at: 2017-09-18 06:16:08  
Local clock offset: 0.227 ms  
Remote clock offset: -7.196 ms

# Below is generated by plot.py at 2017-09-18 08:18:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 230.34 Mbit/s  
95th percentile per-packet one-way delay: 90.977 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 120.17 Mbit/s  
95th percentile per-packet one-way delay: 90.381 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 104.64 Mbit/s  
95th percentile per-packet one-way delay: 91.217 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 122.67 Mbit/s  
95th percentile per-packet one-way delay: 93.495 ms  
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

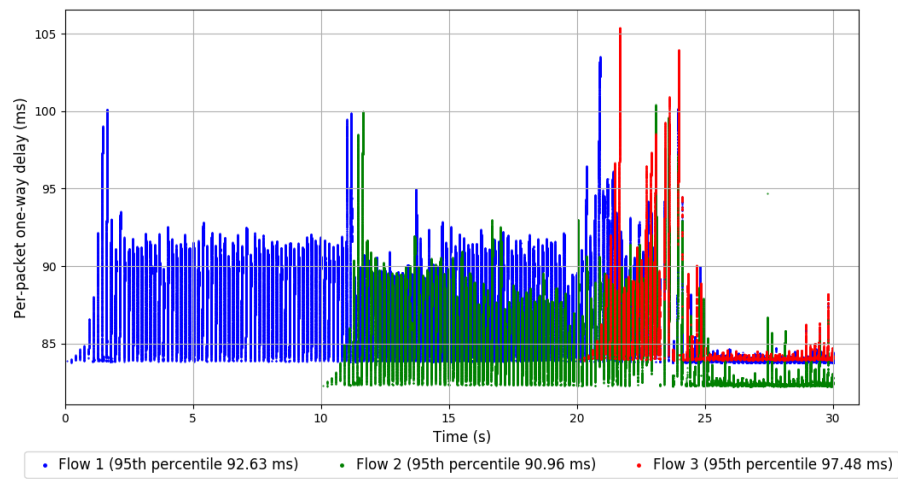
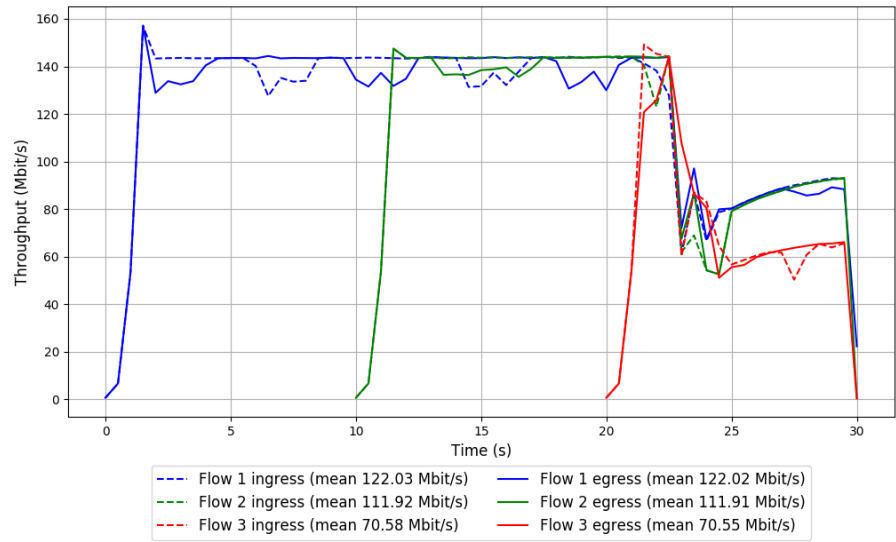


Run 10: Statistics of TCP Cubic

Start at: 2017-09-18 06:37:14  
End at: 2017-09-18 06:37:44  
Local clock offset: 0.212 ms  
Remote clock offset: -6.304 ms

# Below is generated by plot.py at 2017-09-18 08:18:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 219.90 Mbit/s  
95th percentile per-packet one-way delay: 92.345 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 122.02 Mbit/s  
95th percentile per-packet one-way delay: 92.628 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 111.91 Mbit/s  
95th percentile per-packet one-way delay: 90.961 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 70.55 Mbit/s  
95th percentile per-packet one-way delay: 97.483 ms  
Loss rate: 0.03%

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



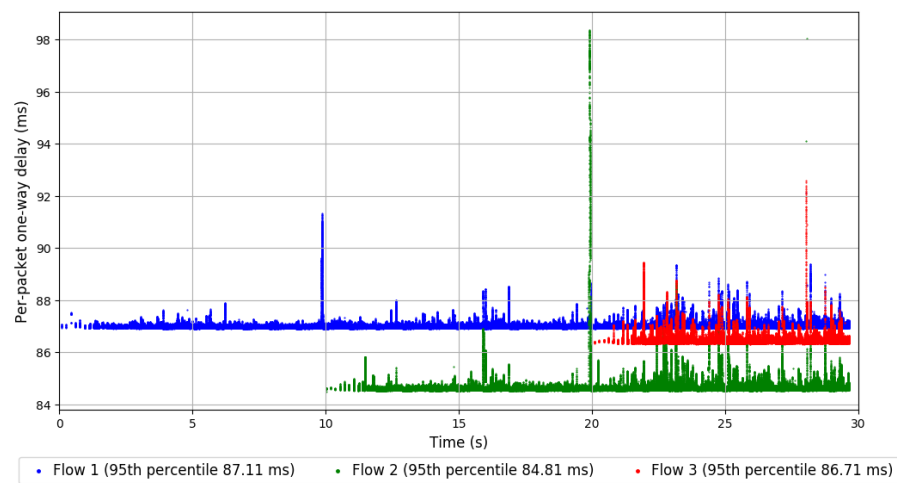
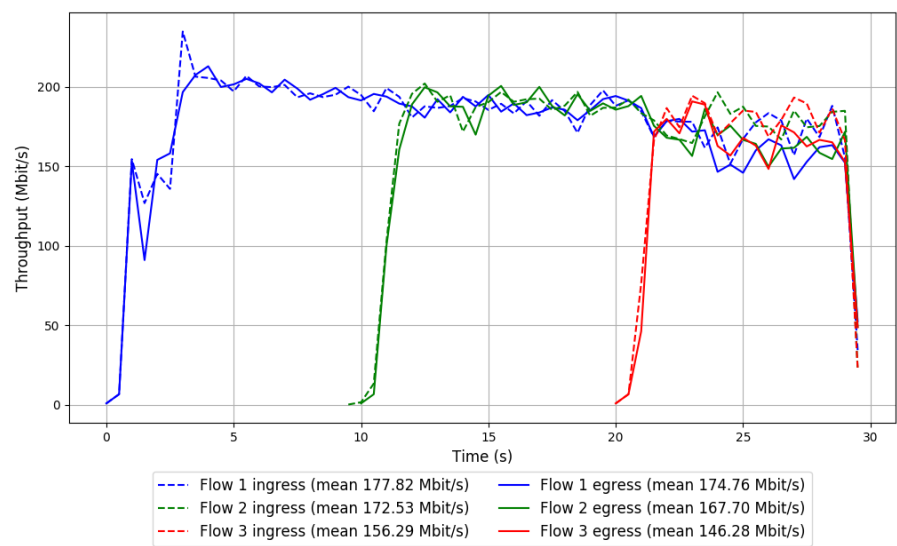
```
Run 1: Statistics of Indigo

Start at: 2017-09-18 03:10:59
End at: 2017-09-18 03:11:29
Local clock offset: -1.444 ms
Remote clock offset: -3.649 ms

# Below is generated by plot.py at 2017-09-18 08:20:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.43 Mbit/s
95th percentile per-packet one-way delay: 87.051 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 174.76 Mbit/s
95th percentile per-packet one-way delay: 87.106 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 84.810 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 146.28 Mbit/s
95th percentile per-packet one-way delay: 86.708 ms
Loss rate: 6.40%
```



Run 1: Report of Indigo — Data Link

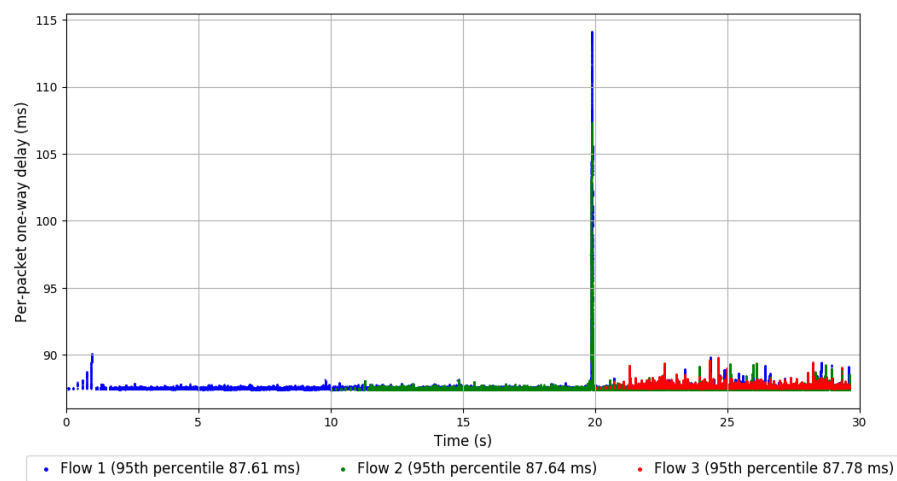
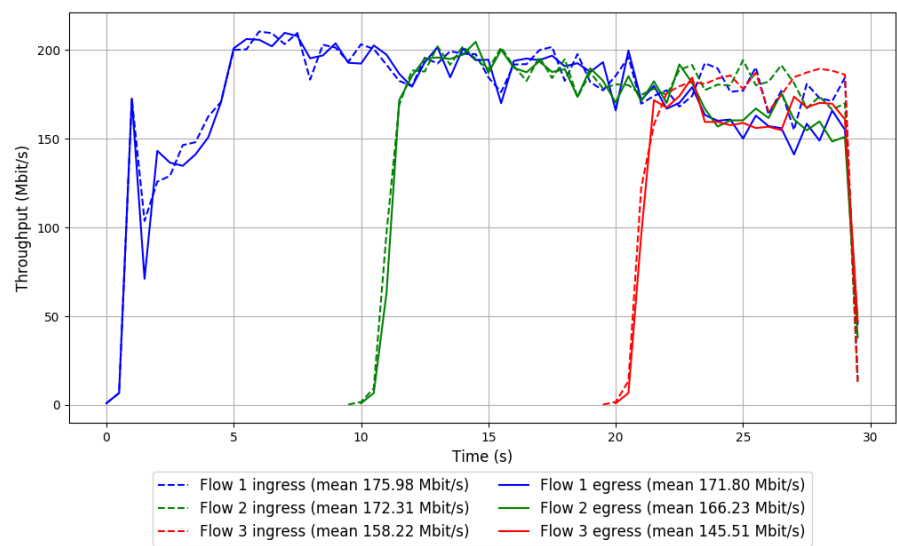


Run 2: Statistics of Indigo

Start at: 2017-09-18 03:33:01  
End at: 2017-09-18 03:33:31  
Local clock offset: -1.236 ms  
Remote clock offset: -2.977 ms

# Below is generated by plot.py at 2017-09-18 08:20:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 329.27 Mbit/s  
95th percentile per-packet one-way delay: 87.668 ms  
Loss rate: 3.61%  
-- Flow 1:  
Average throughput: 171.80 Mbit/s  
95th percentile per-packet one-way delay: 87.612 ms  
Loss rate: 2.38%  
-- Flow 2:  
Average throughput: 166.23 Mbit/s  
95th percentile per-packet one-way delay: 87.635 ms  
Loss rate: 3.53%  
-- Flow 3:  
Average throughput: 145.51 Mbit/s  
95th percentile per-packet one-way delay: 87.778 ms  
Loss rate: 8.03%

Run 2: Report of Indigo — Data Link

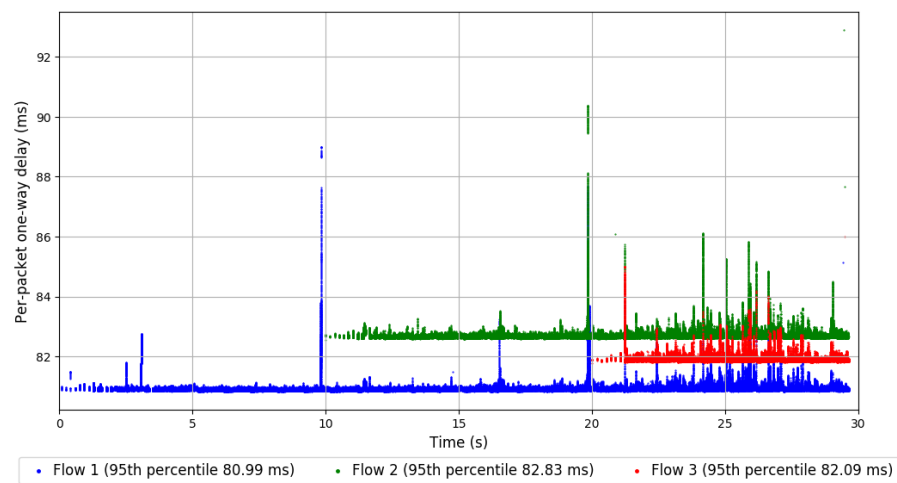
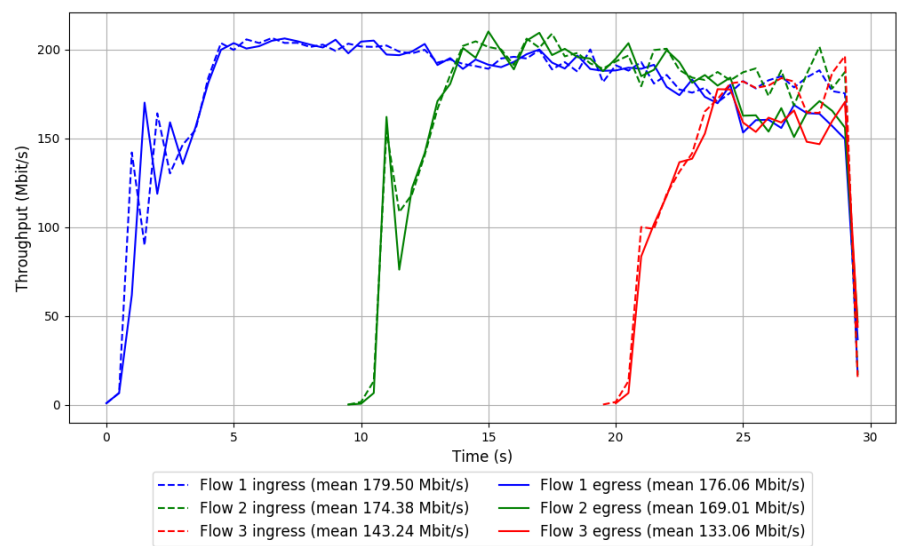


Run 3: Statistics of Indigo

Start at: 2017-09-18 03:55:05  
End at: 2017-09-18 03:55:35  
Local clock offset: -1.138 ms  
Remote clock offset: -7.435 ms

# Below is generated by plot.py at 2017-09-18 08:20:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 331.68 Mbit/s  
95th percentile per-packet one-way delay: 82.714 ms  
Loss rate: 3.02%  
-- Flow 1:  
Average throughput: 176.06 Mbit/s  
95th percentile per-packet one-way delay: 80.993 ms  
Loss rate: 1.92%  
-- Flow 2:  
Average throughput: 169.01 Mbit/s  
95th percentile per-packet one-way delay: 82.828 ms  
Loss rate: 3.08%  
-- Flow 3:  
Average throughput: 133.06 Mbit/s  
95th percentile per-packet one-way delay: 82.092 ms  
Loss rate: 7.11%

Run 3: Report of Indigo — Data Link

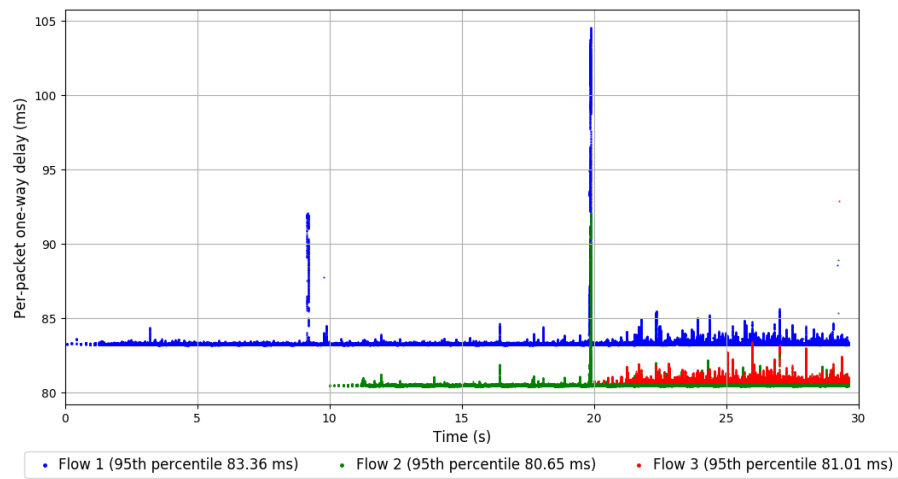
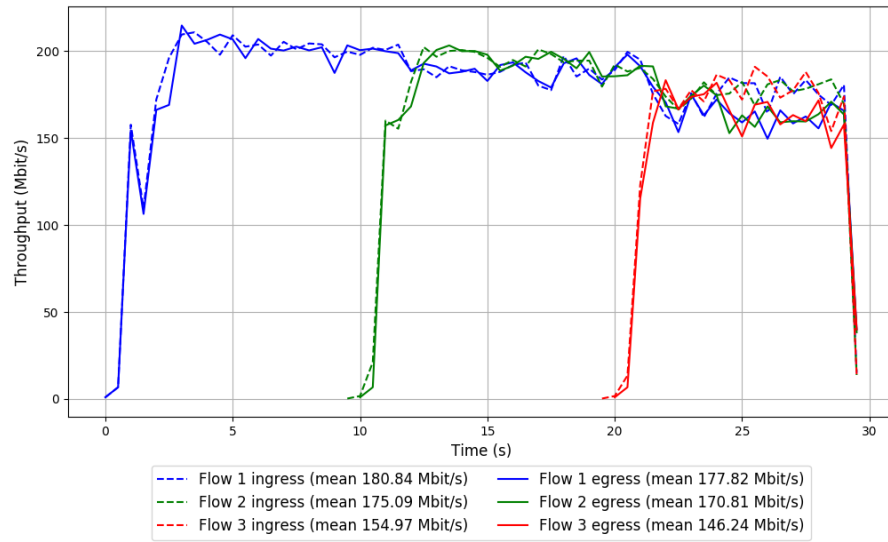


Run 4: Statistics of Indigo

Start at: 2017-09-18 04:16:49  
End at: 2017-09-18 04:17:19  
Local clock offset: -0.843 ms  
Remote clock offset: -7.843 ms

```
# Below is generated by plot.py at 2017-09-18 08:21:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.88 Mbit/s
95th percentile per-packet one-way delay: 83.303 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 177.82 Mbit/s
95th percentile per-packet one-way delay: 83.356 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 170.81 Mbit/s
95th percentile per-packet one-way delay: 80.651 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 146.24 Mbit/s
95th percentile per-packet one-way delay: 81.012 ms
Loss rate: 5.68%
```

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



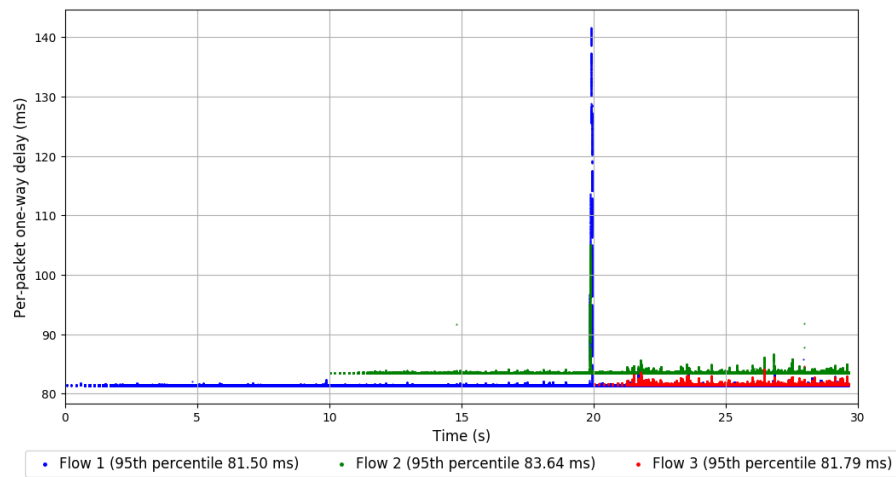
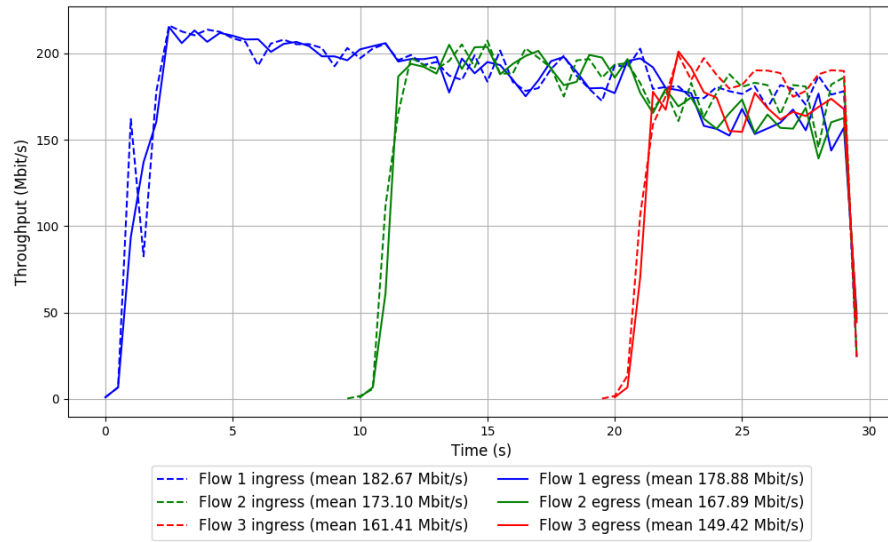
Run 5: Statistics of Indigo

Start at: 2017-09-18 04:38:35  
End at: 2017-09-18 04:39:06  
Local clock offset: -0.572 ms  
Remote clock offset: -6.961 ms

# Below is generated by plot.py at 2017-09-18 08:22:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 338.72 Mbit/s  
95th percentile per-packet one-way delay: 83.551 ms  
Loss rate: 3.19%  
-- Flow 1:  
Average throughput: 178.88 Mbit/s  
95th percentile per-packet one-way delay: 81.497 ms  
Loss rate: 2.08%  
-- Flow 2:  
Average throughput: 167.89 Mbit/s  
95th percentile per-packet one-way delay: 83.638 ms  
Loss rate: 3.04%  
-- Flow 3:  
Average throughput: 149.42 Mbit/s  
95th percentile per-packet one-way delay: 81.786 ms  
Loss rate: 7.43%



## Run 5: Report of Indigo — Data Link

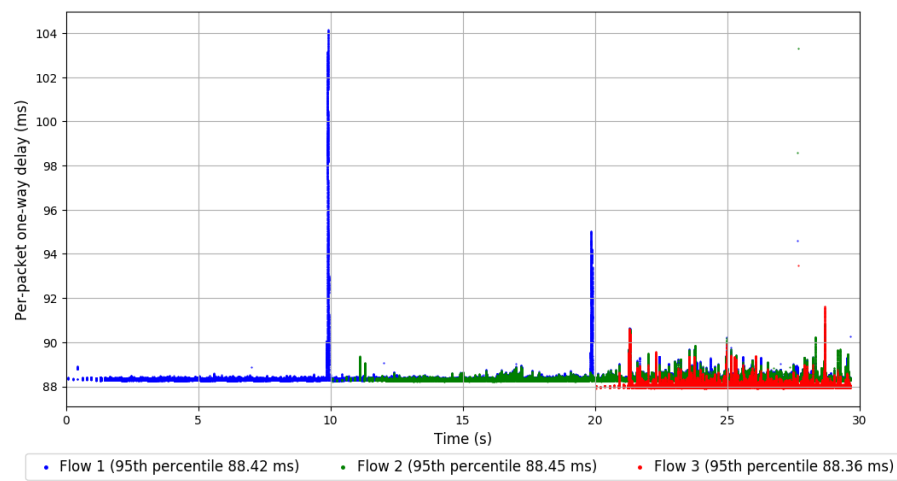
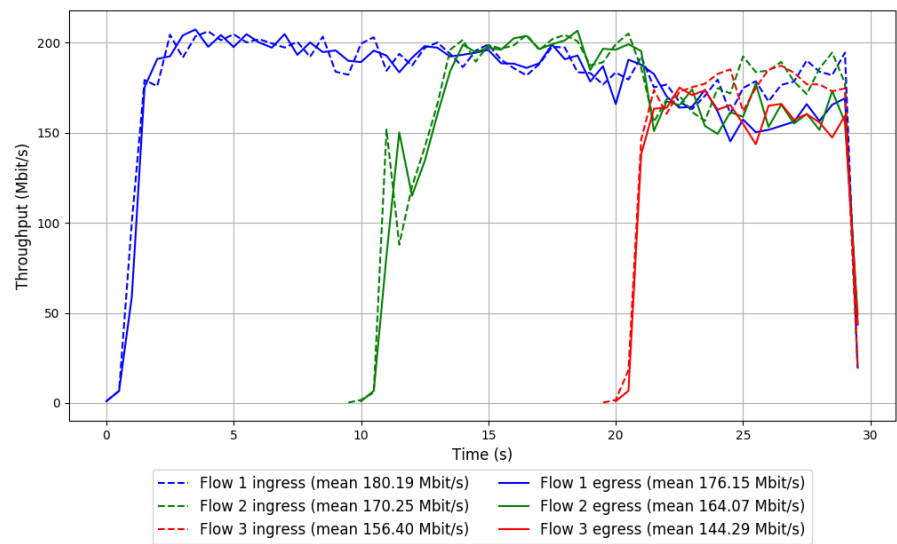


Run 6: Statistics of Indigo

Start at: 2017-09-18 05:00:34  
End at: 2017-09-18 05:01:04  
Local clock offset: -0.277 ms  
Remote clock offset: -2.551 ms

# Below is generated by plot.py at 2017-09-18 08:22:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 331.71 Mbit/s  
95th percentile per-packet one-way delay: 88.431 ms  
Loss rate: 3.51%  
-- Flow 1:  
Average throughput: 176.15 Mbit/s  
95th percentile per-packet one-way delay: 88.425 ms  
Loss rate: 2.24%  
-- Flow 2:  
Average throughput: 164.07 Mbit/s  
95th percentile per-packet one-way delay: 88.446 ms  
Loss rate: 3.64%  
-- Flow 3:  
Average throughput: 144.29 Mbit/s  
95th percentile per-packet one-way delay: 88.362 ms  
Loss rate: 7.74%

Run 6: Report of Indigo — Data Link

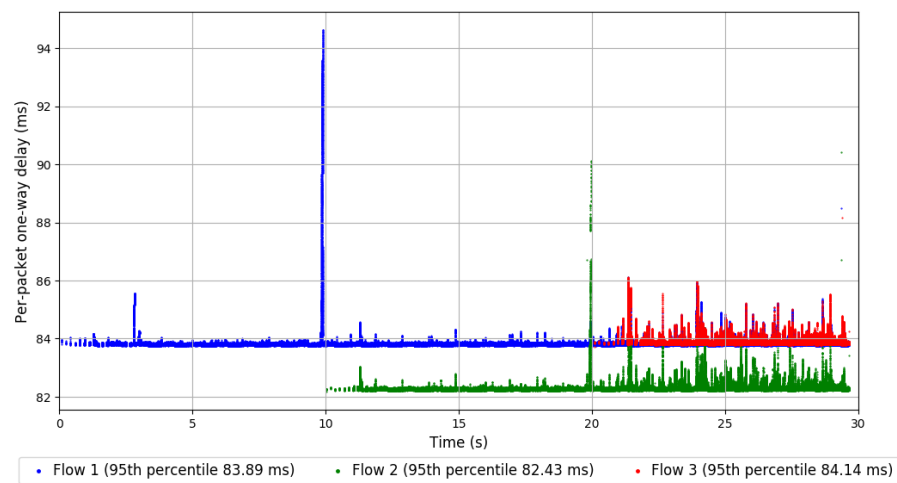
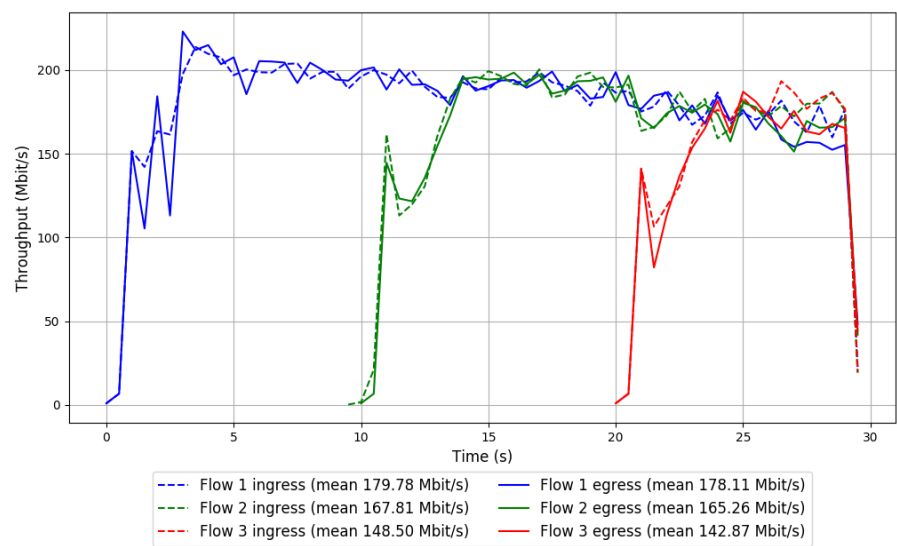


Run 7: Statistics of Indigo

Start at: 2017-09-18 05:22:16  
End at: 2017-09-18 05:22:46  
Local clock offset: -0.044 ms  
Remote clock offset: -7.143 ms

# Below is generated by plot.py at 2017-09-18 08:23:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 333.92 Mbit/s  
95th percentile per-packet one-way delay: 83.902 ms  
Loss rate: 1.53%  
-- Flow 1:  
Average throughput: 178.11 Mbit/s  
95th percentile per-packet one-way delay: 83.891 ms  
Loss rate: 0.93%  
-- Flow 2:  
Average throughput: 165.26 Mbit/s  
95th percentile per-packet one-way delay: 82.434 ms  
Loss rate: 1.52%  
-- Flow 3:  
Average throughput: 142.87 Mbit/s  
95th percentile per-packet one-way delay: 84.142 ms  
Loss rate: 3.79%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-18 05:44:07

End at: 2017-09-18 05:44:37

Local clock offset: 0.03 ms

Remote clock offset: -3.04 ms

# Below is generated by plot.py at 2017-09-18 08:23:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 340.54 Mbit/s

95th percentile per-packet one-way delay: 88.043 ms

Loss rate: 2.43%

-- Flow 1:

Average throughput: 181.05 Mbit/s

95th percentile per-packet one-way delay: 87.897 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 168.07 Mbit/s

95th percentile per-packet one-way delay: 88.148 ms

Loss rate: 2.38%

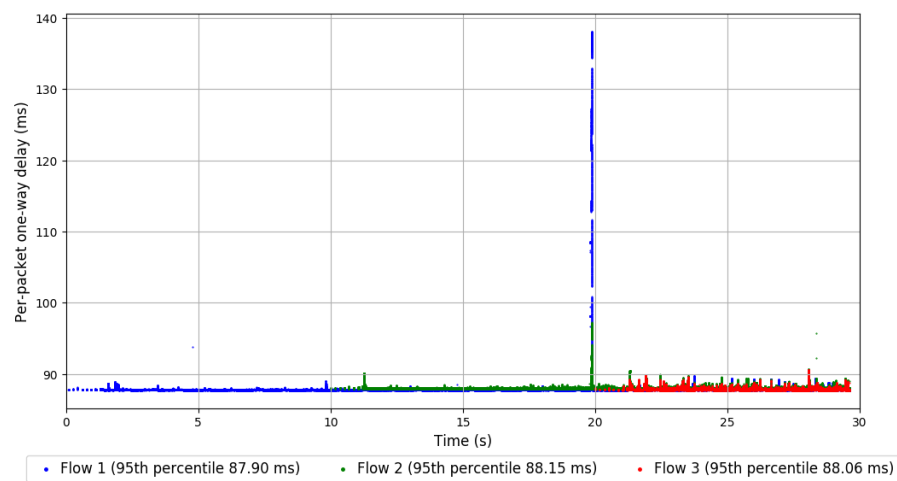
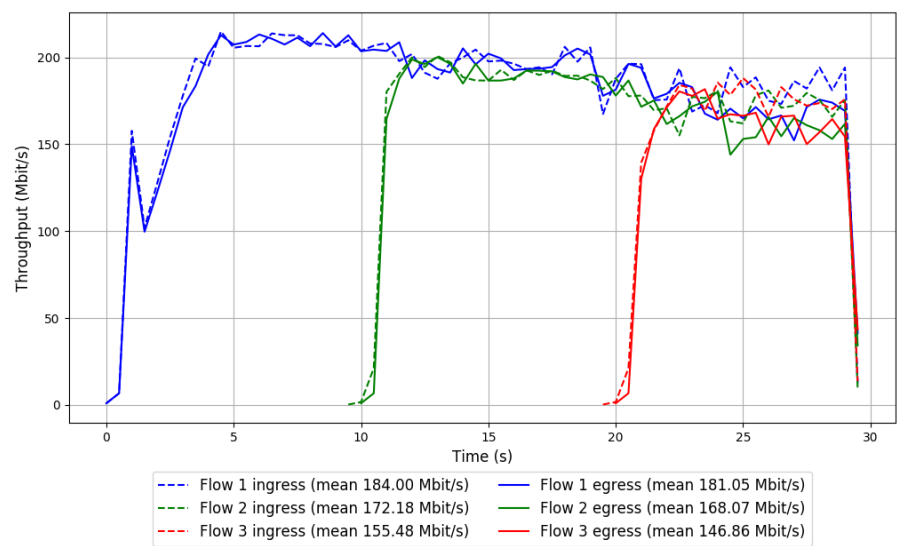
-- Flow 3:

Average throughput: 146.86 Mbit/s

95th percentile per-packet one-way delay: 88.056 ms

Loss rate: 5.53%

Run 8: Report of Indigo — Data Link



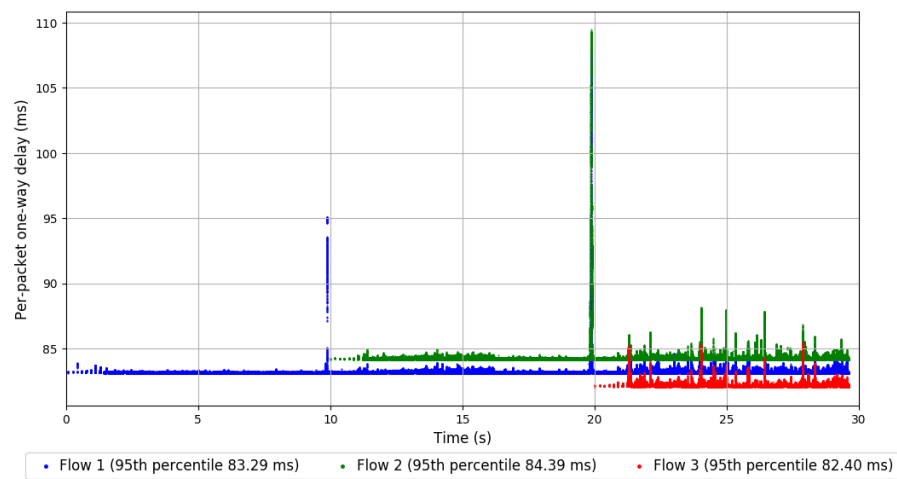
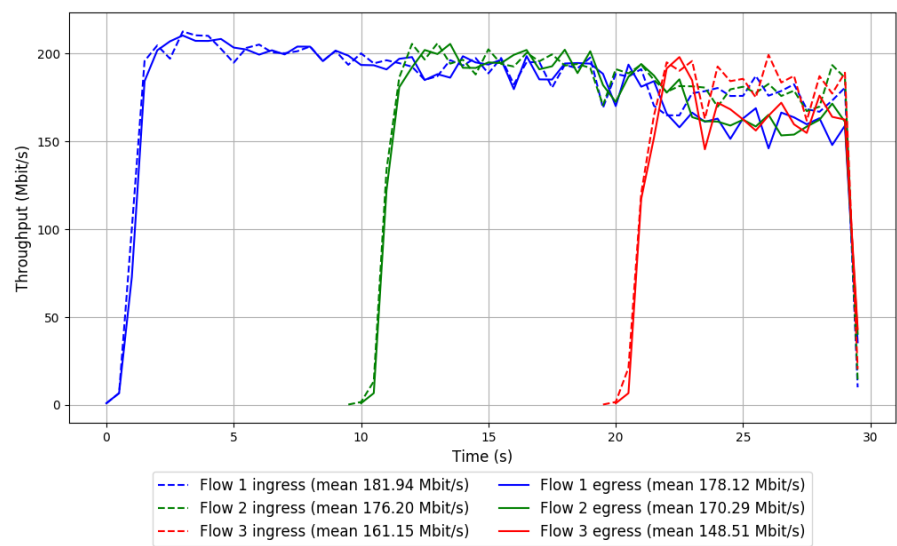
Run 9: Statistics of Indigo

Start at: 2017-09-18 06:05:53  
End at: 2017-09-18 06:06:23  
Local clock offset: 0.176 ms  
Remote clock offset: -6.086 ms

# Below is generated by plot.py at 2017-09-18 08:25:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 339.47 Mbit/s  
95th percentile per-packet one-way delay: 84.257 ms  
Loss rate: 3.38%  
-- Flow 1:  
Average throughput: 178.12 Mbit/s  
95th percentile per-packet one-way delay: 83.291 ms  
Loss rate: 2.10%  
-- Flow 2:  
Average throughput: 170.29 Mbit/s  
95th percentile per-packet one-way delay: 84.391 ms  
Loss rate: 3.38%  
-- Flow 3:  
Average throughput: 148.51 Mbit/s  
95th percentile per-packet one-way delay: 82.400 ms  
Loss rate: 7.84%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-18 06:27:49

End at: 2017-09-18 06:28:19

Local clock offset: 0.297 ms

Remote clock offset: -6.24 ms

# Below is generated by plot.py at 2017-09-18 08:25:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 334.71 Mbit/s

95th percentile per-packet one-way delay: 82.319 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 174.64 Mbit/s

95th percentile per-packet one-way delay: 82.345 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 169.65 Mbit/s

95th percentile per-packet one-way delay: 82.061 ms

Loss rate: 2.40%

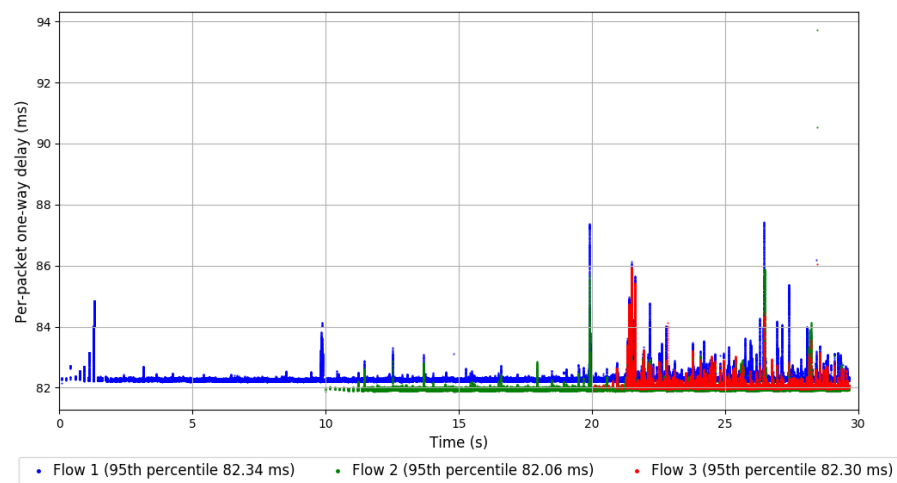
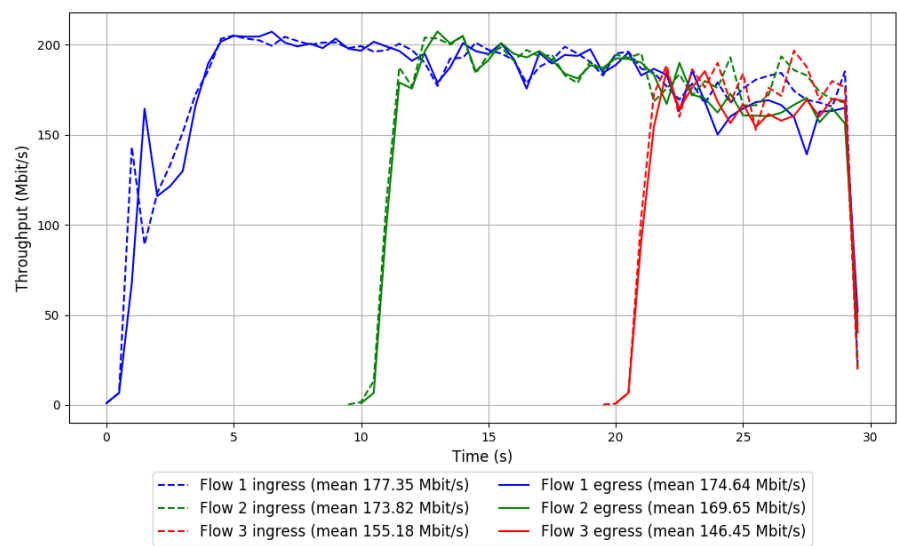
-- Flow 3:

Average throughput: 146.45 Mbit/s

95th percentile per-packet one-way delay: 82.303 ms

Loss rate: 5.62%

Run 10: Report of Indigo — Data Link

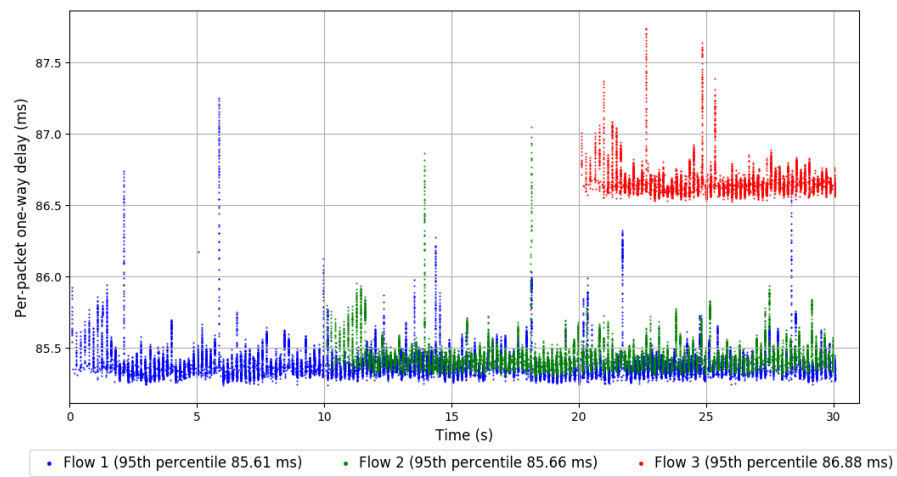
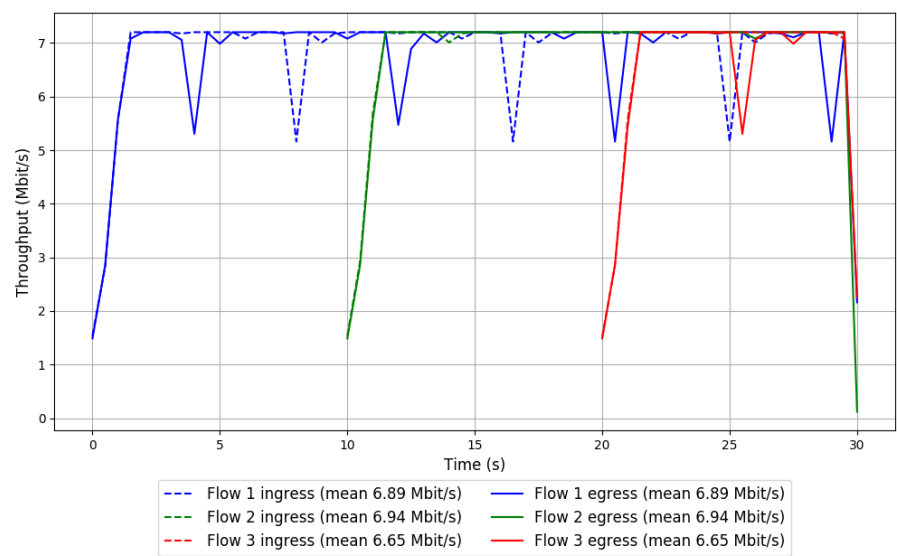


```
Run 1: Statistics of KohoCC

Start at: 2017-09-18 03:22:17
End at: 2017-09-18 03:22:47
Local clock offset: -1.348 ms
Remote clock offset: -3.3 ms

# Below is generated by plot.py at 2017-09-18 08:25:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 86.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 85.606 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 85.655 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 86.878 ms
Loss rate: 0.00%
```

Run 1: Report of KohoCC — Data Link

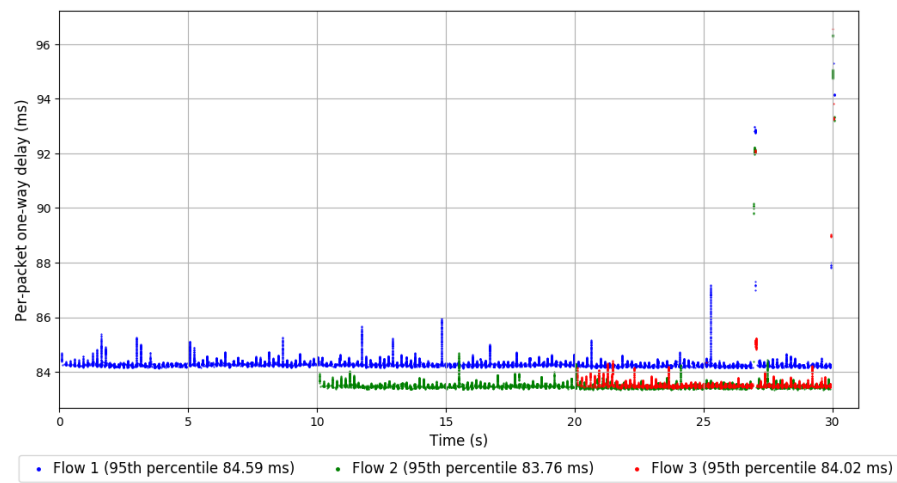
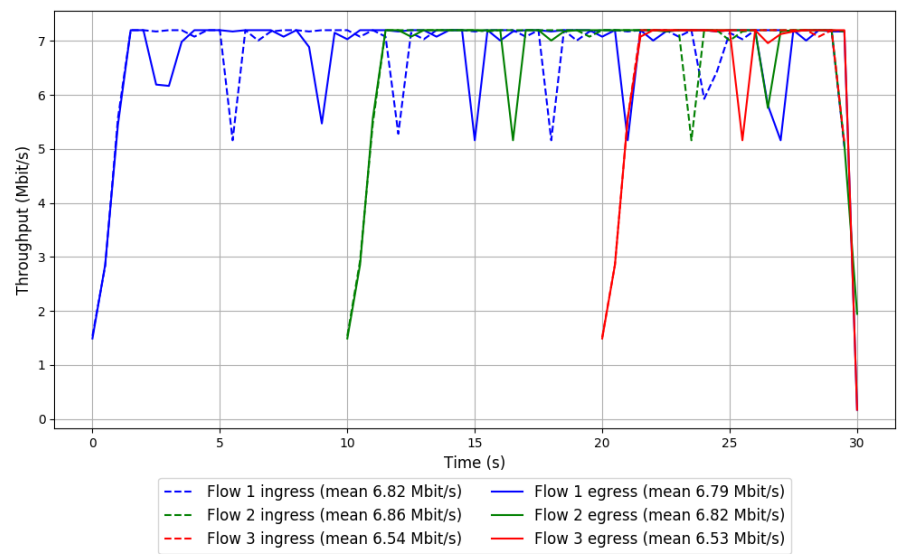


Run 2: Statistics of KohoCC

Start at: 2017-09-18 03:44:09  
End at: 2017-09-18 03:44:39  
Local clock offset: -1.142 ms  
Remote clock offset: -6.778 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.50 Mbit/s  
95th percentile per-packet one-way delay: 84.494 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 6.79 Mbit/s  
95th percentile per-packet one-way delay: 84.587 ms  
Loss rate: 0.33%  
-- Flow 2:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 83.756 ms  
Loss rate: 0.60%  
-- Flow 3:  
Average throughput: 6.53 Mbit/s  
95th percentile per-packet one-way delay: 84.016 ms  
Loss rate: 0.09%

Run 2: Report of KohoCC — Data Link



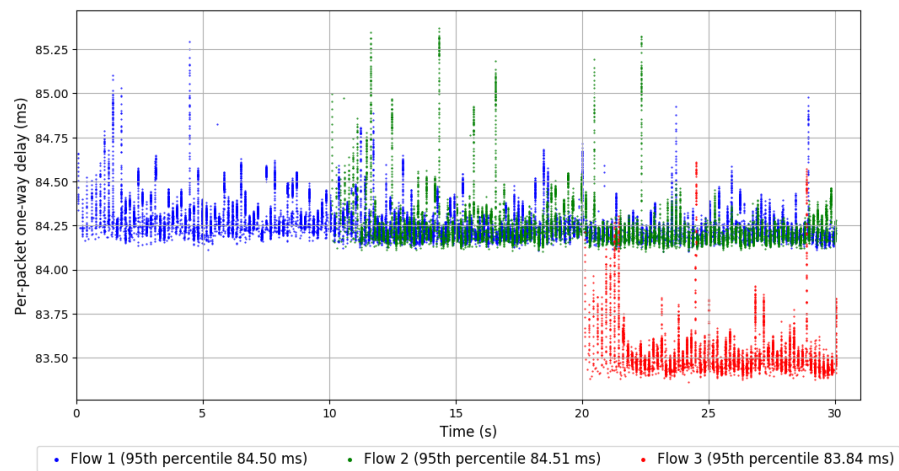
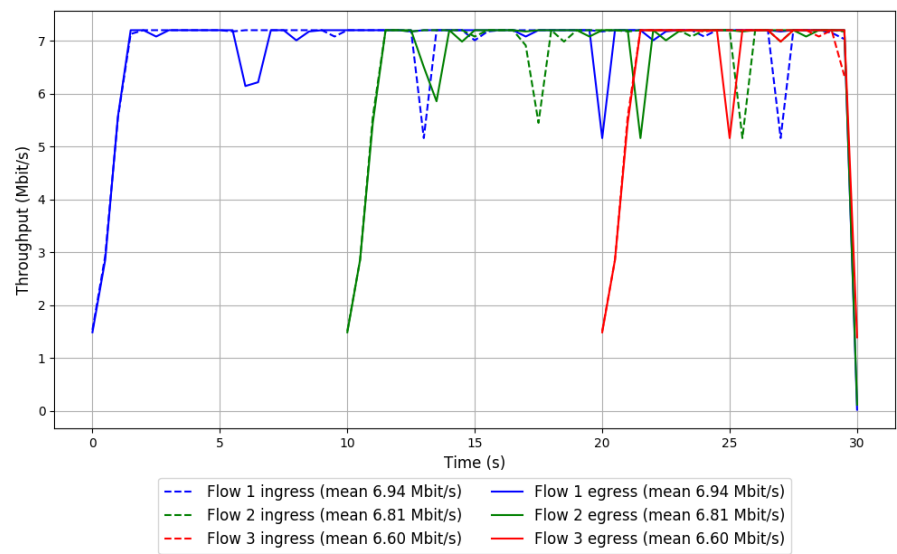
Run 3: Statistics of KohoCC

Start at: 2017-09-18 04:06:11  
End at: 2017-09-18 04:06:41  
Local clock offset: -0.93 ms  
Remote clock offset: -6.137 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.65 Mbit/s  
95th percentile per-packet one-way delay: 84.485 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.94 Mbit/s  
95th percentile per-packet one-way delay: 84.504 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.81 Mbit/s  
95th percentile per-packet one-way delay: 84.511 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.60 Mbit/s  
95th percentile per-packet one-way delay: 83.837 ms  
Loss rate: 0.00%



Run 3: Report of KohoCC — Data Link

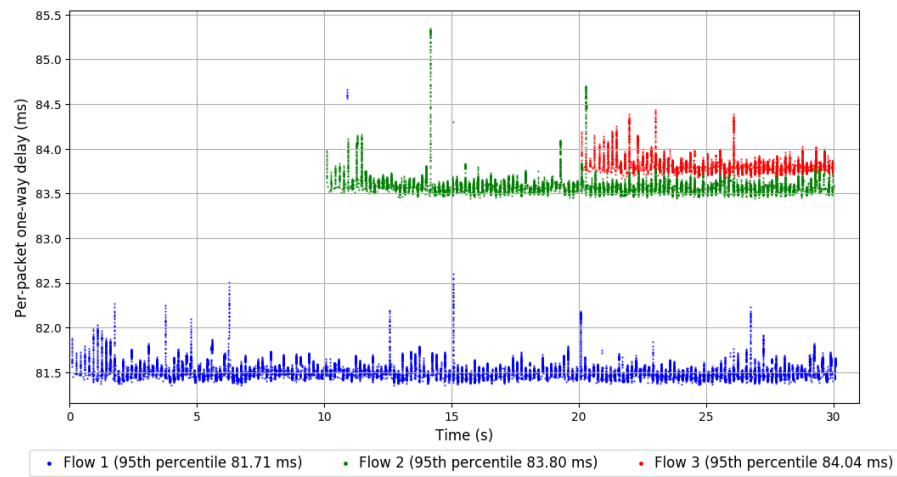
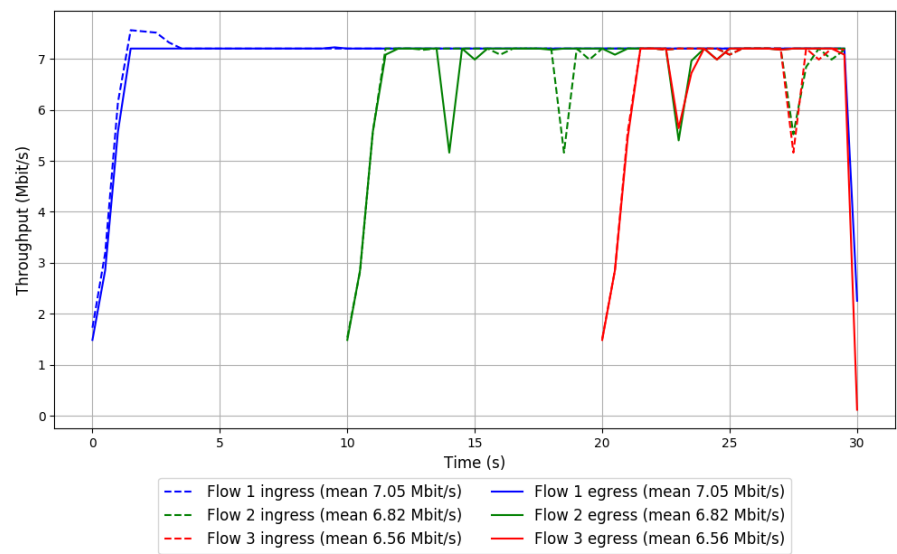


Run 4: Statistics of KohoCC

Start at: 2017-09-18 04:27:57  
End at: 2017-09-18 04:28:27  
Local clock offset: -0.72 ms  
Remote clock offset: -6.831 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.75 Mbit/s  
95th percentile per-packet one-way delay: 83.860 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 7.05 Mbit/s  
95th percentile per-packet one-way delay: 81.706 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 83.795 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.56 Mbit/s  
95th percentile per-packet one-way delay: 84.037 ms  
Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link

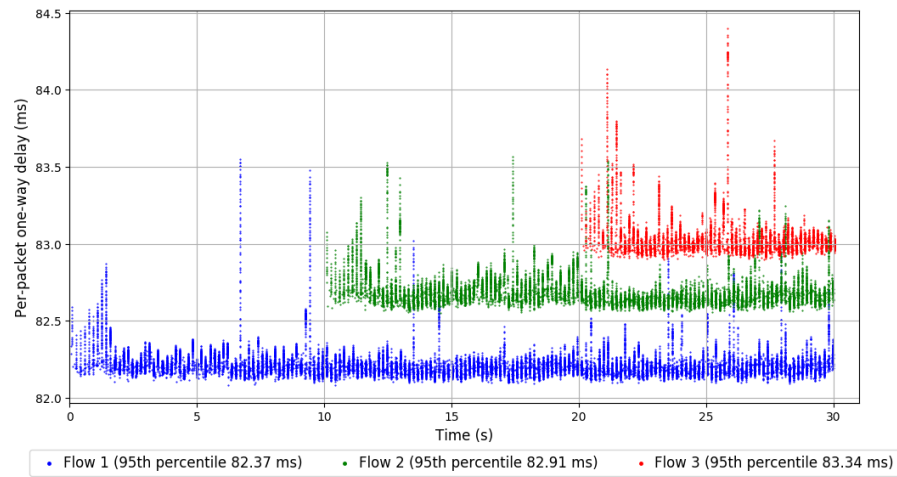
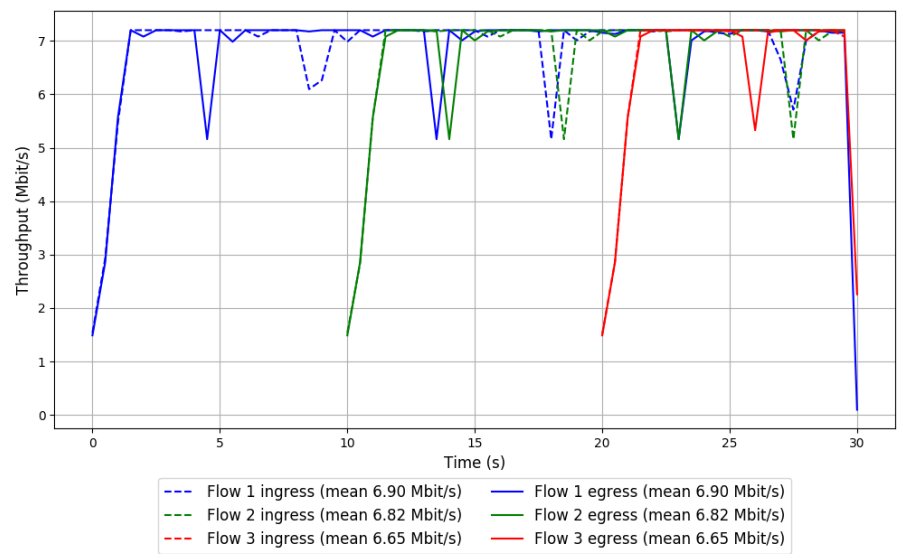


Run 5: Statistics of KohoCC

Start at: 2017-09-18 04:49:38  
End at: 2017-09-18 04:50:08  
Local clock offset: -0.406 ms  
Remote clock offset: -7.725 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.63 Mbit/s  
95th percentile per-packet one-way delay: 83.059 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.90 Mbit/s  
95th percentile per-packet one-way delay: 82.374 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 82.905 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.65 Mbit/s  
95th percentile per-packet one-way delay: 83.337 ms  
Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link

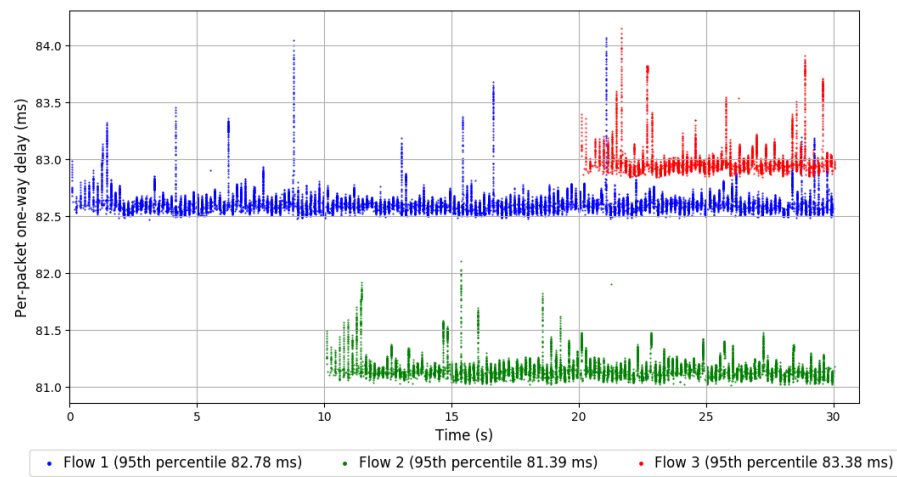
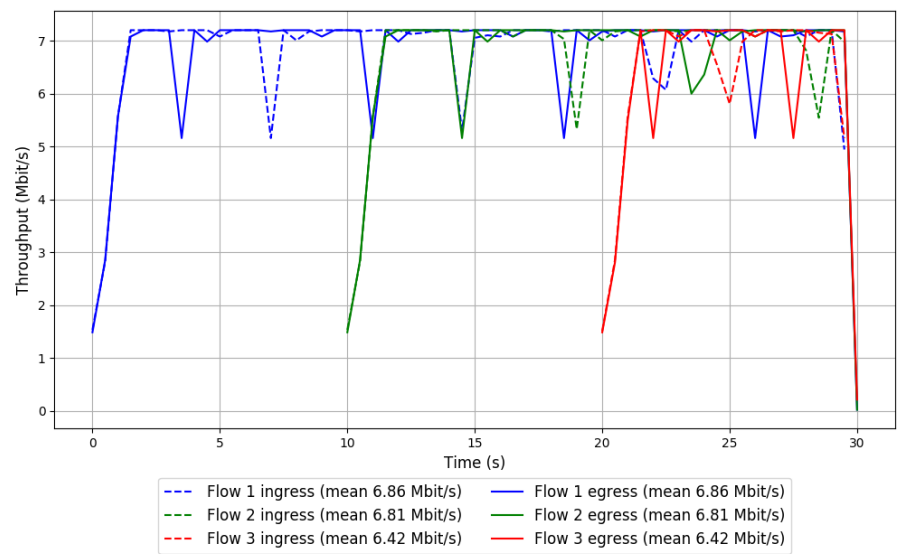


Run 6: Statistics of KohoCC

Start at: 2017-09-18 05:11:33  
End at: 2017-09-18 05:12:03  
Local clock offset: -0.169 ms  
Remote clock offset: -8.353 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.52 Mbit/s  
95th percentile per-packet one-way delay: 83.017 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.86 Mbit/s  
95th percentile per-packet one-way delay: 82.781 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.81 Mbit/s  
95th percentile per-packet one-way delay: 81.388 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.42 Mbit/s  
95th percentile per-packet one-way delay: 83.384 ms  
Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



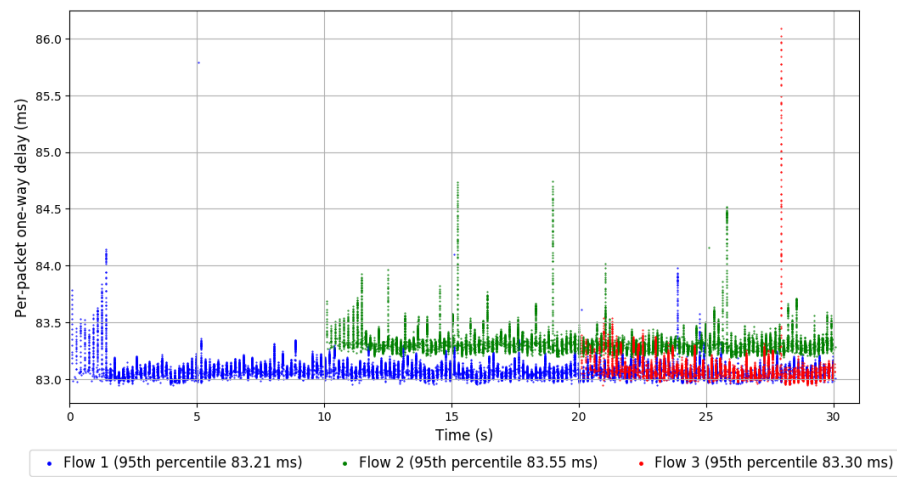
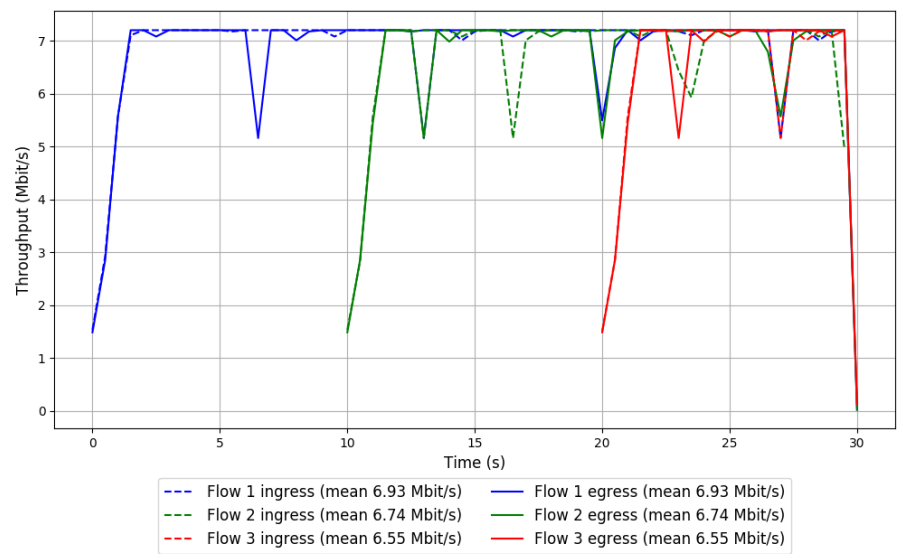
Run 7: Statistics of KohoCC

Start at: 2017-09-18 05:33:26  
End at: 2017-09-18 05:33:56  
Local clock offset: -0.042 ms  
Remote clock offset: -7.979 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.59 Mbit/s  
95th percentile per-packet one-way delay: 83.418 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.93 Mbit/s  
95th percentile per-packet one-way delay: 83.212 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.74 Mbit/s  
95th percentile per-packet one-way delay: 83.550 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.55 Mbit/s  
95th percentile per-packet one-way delay: 83.300 ms  
Loss rate: 0.00%



Run 7: Report of KohoCC — Data Link

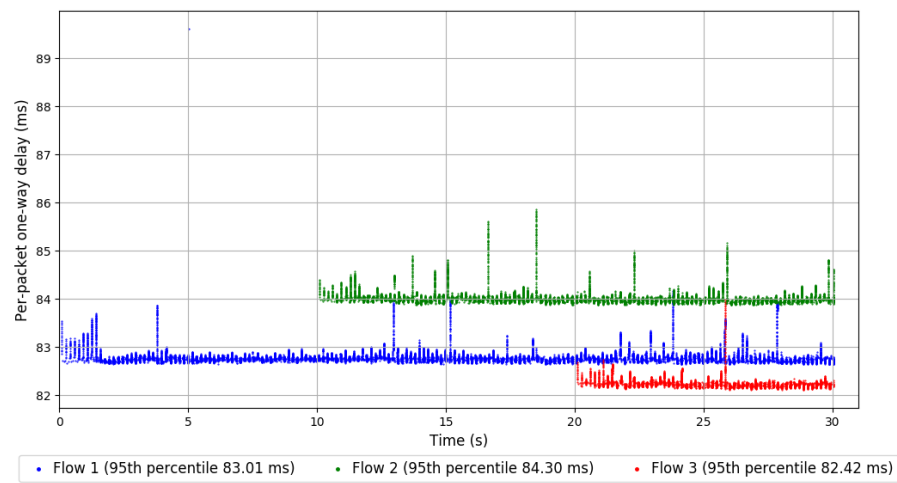
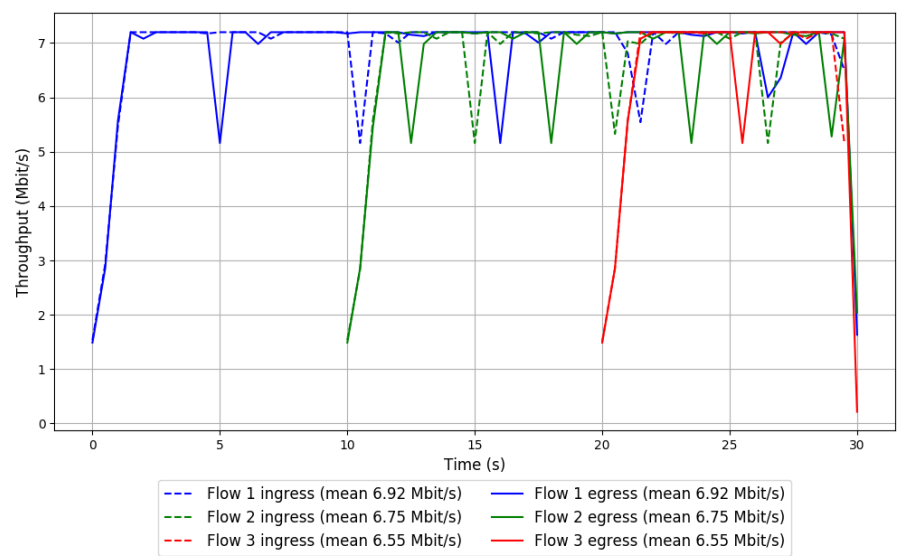


Run 8: Statistics of KohoCC

Start at: 2017-09-18 05:55:12  
End at: 2017-09-18 05:55:42  
Local clock offset: 0.087 ms  
Remote clock offset: -6.791 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.58 Mbit/s  
95th percentile per-packet one-way delay: 84.090 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.92 Mbit/s  
95th percentile per-packet one-way delay: 83.014 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.75 Mbit/s  
95th percentile per-packet one-way delay: 84.300 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.55 Mbit/s  
95th percentile per-packet one-way delay: 82.416 ms  
Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link

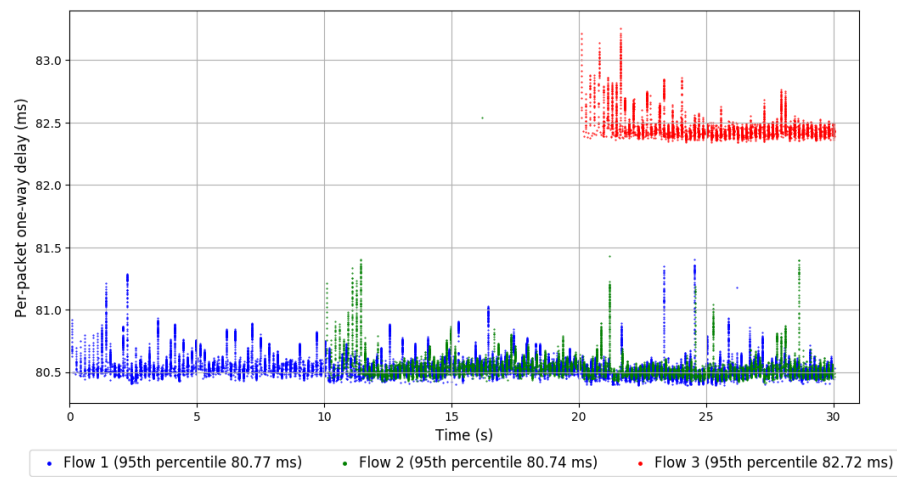
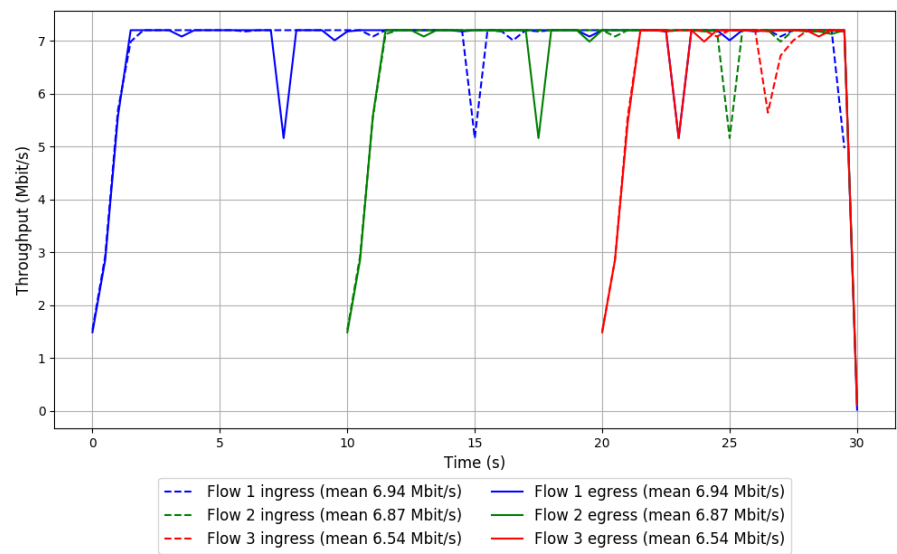


Run 9: Statistics of KohoCC

Start at: 2017-09-18 06:17:05  
End at: 2017-09-18 06:17:35  
Local clock offset: 0.232 ms  
Remote clock offset: -7.532 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.68 Mbit/s  
95th percentile per-packet one-way delay: 82.457 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.94 Mbit/s  
95th percentile per-packet one-way delay: 80.773 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.87 Mbit/s  
95th percentile per-packet one-way delay: 80.743 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.54 Mbit/s  
95th percentile per-packet one-way delay: 82.721 ms  
Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link

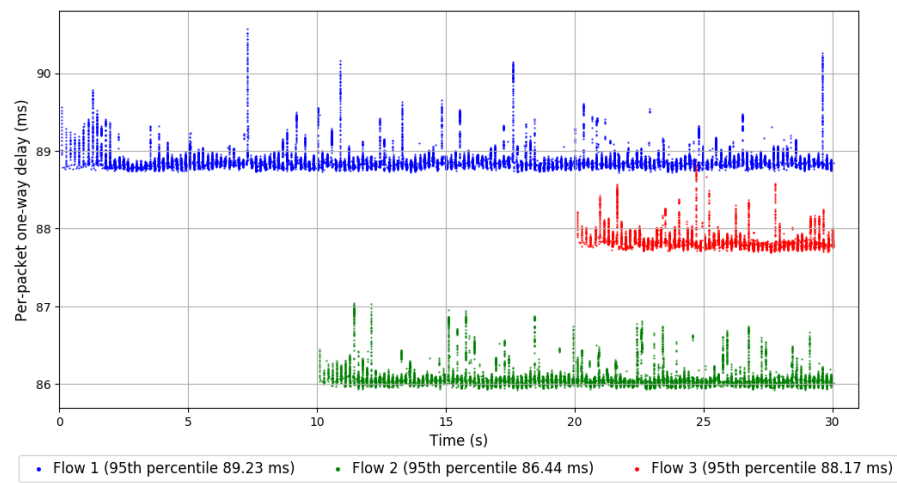
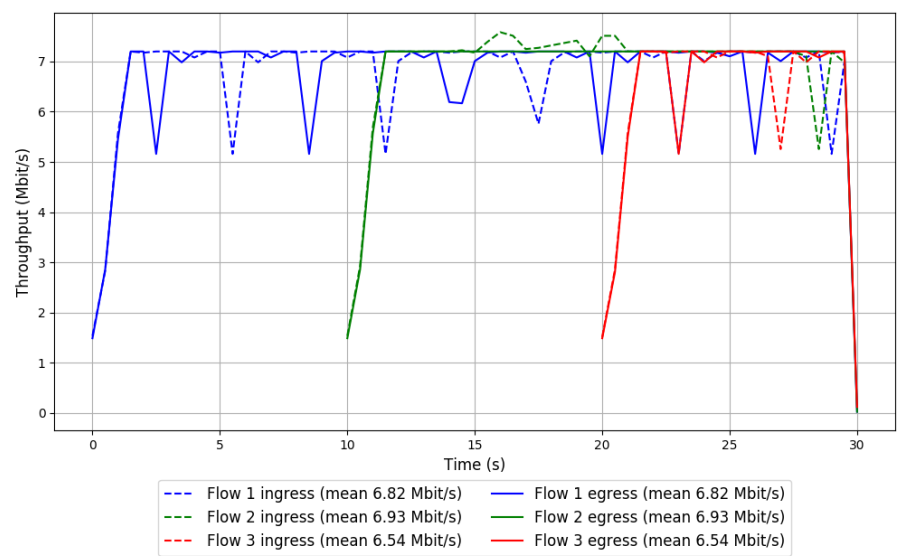


Run 10: Statistics of KohoCC

Start at: 2017-09-18 06:38:41  
End at: 2017-09-18 06:39:11  
Local clock offset: 0.172 ms  
Remote clock offset: -2.358 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.60 Mbit/s  
95th percentile per-packet one-way delay: 89.040 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 89.226 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 6.93 Mbit/s  
95th percentile per-packet one-way delay: 86.441 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 6.54 Mbit/s  
95th percentile per-packet one-way delay: 88.171 ms  
Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



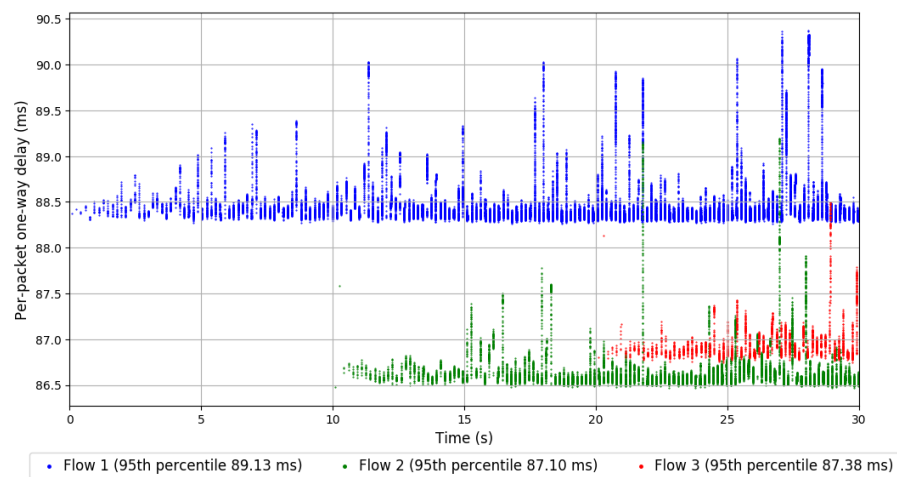
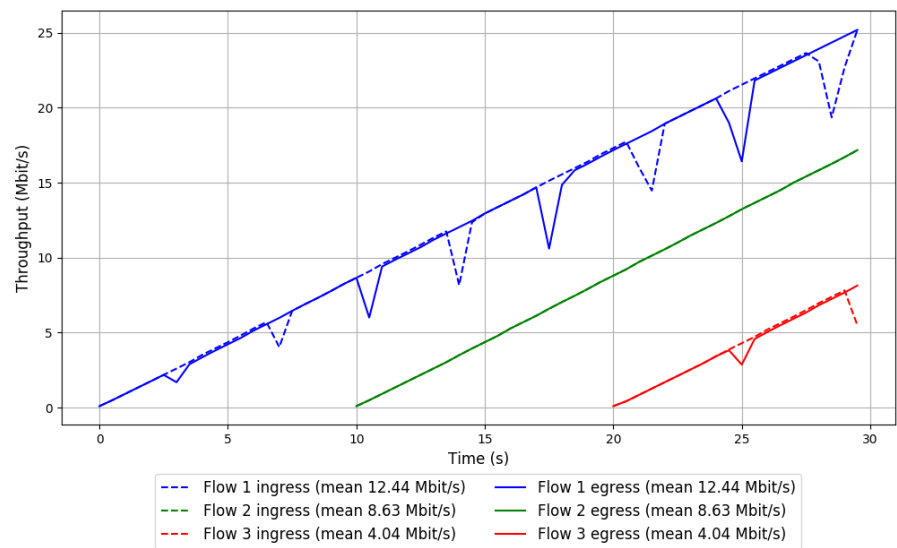
```
Run 1: Statistics of LEDBAT

Start at: 2017-09-18 03:08:30
End at: 2017-09-18 03:09:00
Local clock offset: -1.408 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2017-09-18 08:25:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.51 Mbit/s
95th percentile per-packet one-way delay: 88.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 89.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 87.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 87.384 ms
Loss rate: 0.00%
```



Run 1: Report of LEDBAT — Data Link

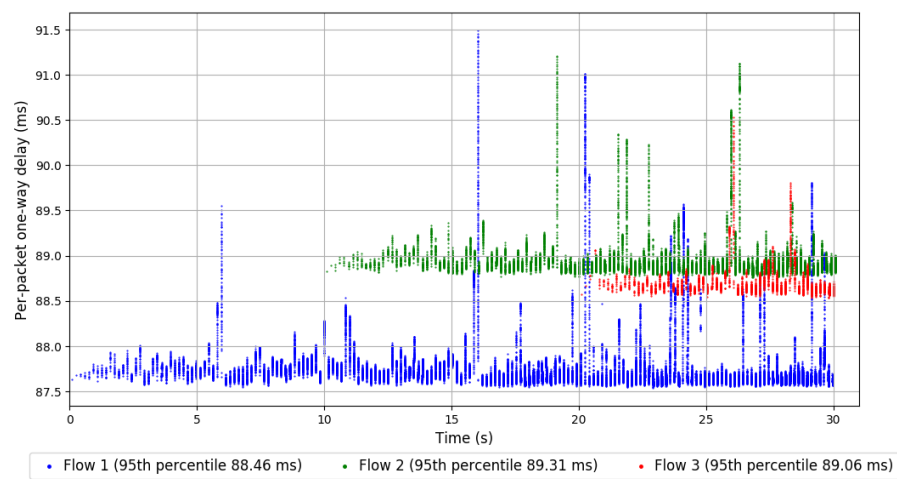
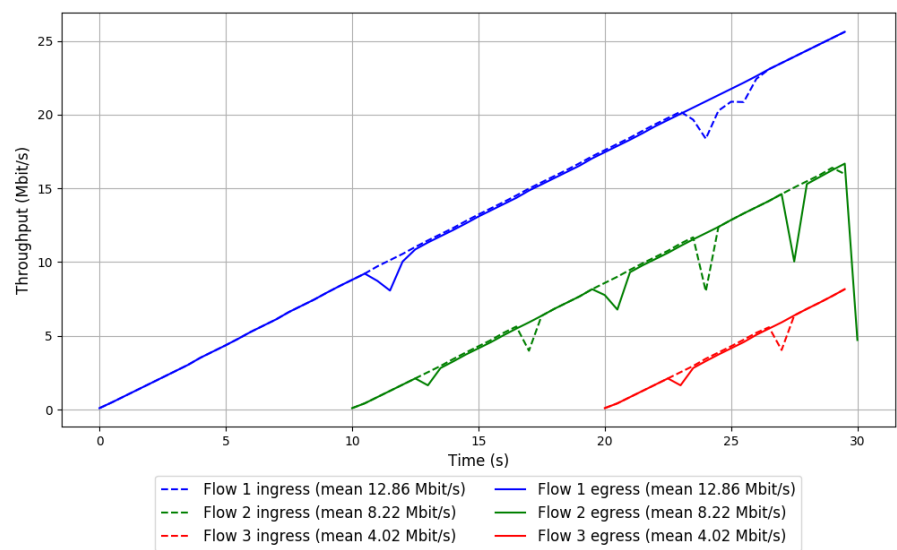


Run 2: Statistics of LEDBAT

Start at: 2017-09-18 03:30:32  
End at: 2017-09-18 03:31:02  
Local clock offset: -1.224 ms  
Remote clock offset: -1.584 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.62 Mbit/s  
95th percentile per-packet one-way delay: 89.062 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 12.86 Mbit/s  
95th percentile per-packet one-way delay: 88.460 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.22 Mbit/s  
95th percentile per-packet one-way delay: 89.314 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 89.064 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

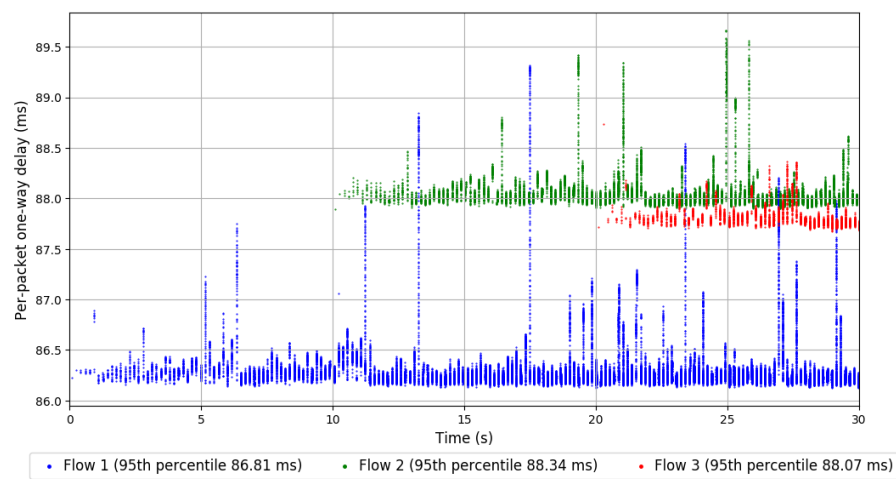
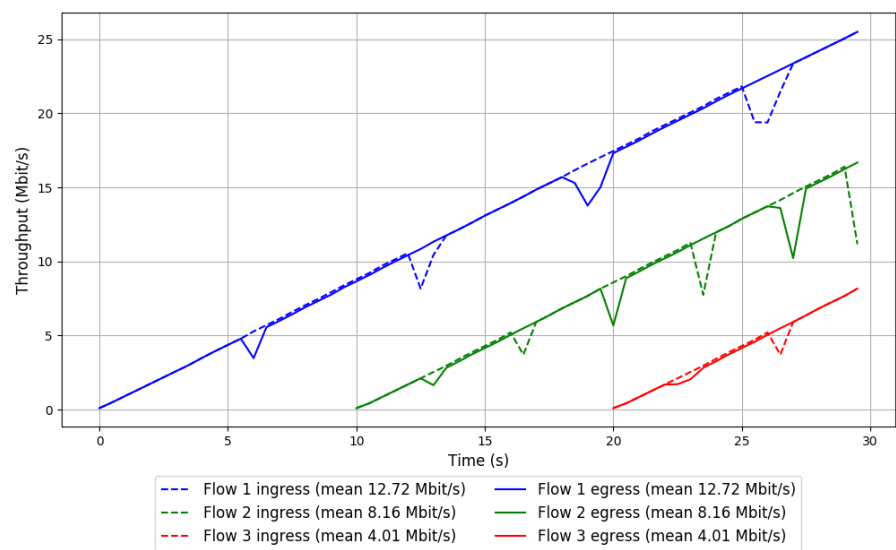


Run 3: Statistics of LEDBAT

Start at: 2017-09-18 03:52:35  
End at: 2017-09-18 03:53:05  
Local clock offset: -1.06 ms  
Remote clock offset: -2.498 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.44 Mbit/s  
95th percentile per-packet one-way delay: 88.109 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.72 Mbit/s  
95th percentile per-packet one-way delay: 86.813 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.16 Mbit/s  
95th percentile per-packet one-way delay: 88.338 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.01 Mbit/s  
95th percentile per-packet one-way delay: 88.071 ms  
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

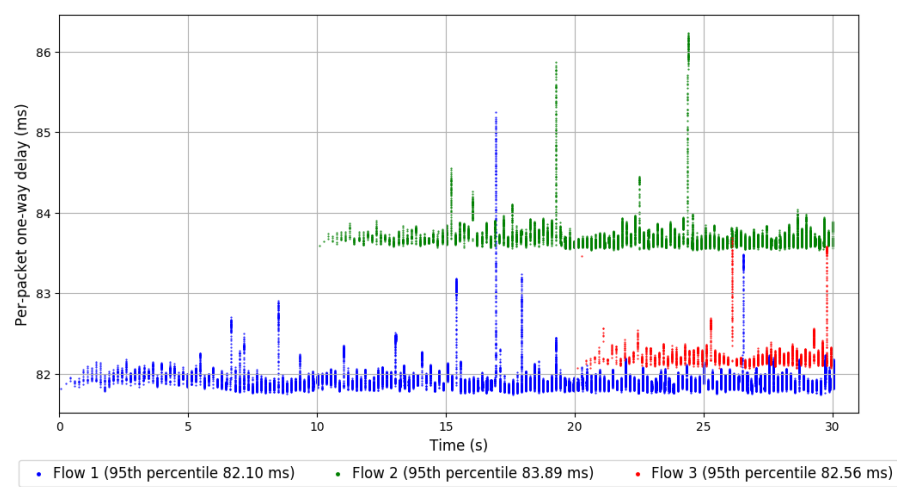
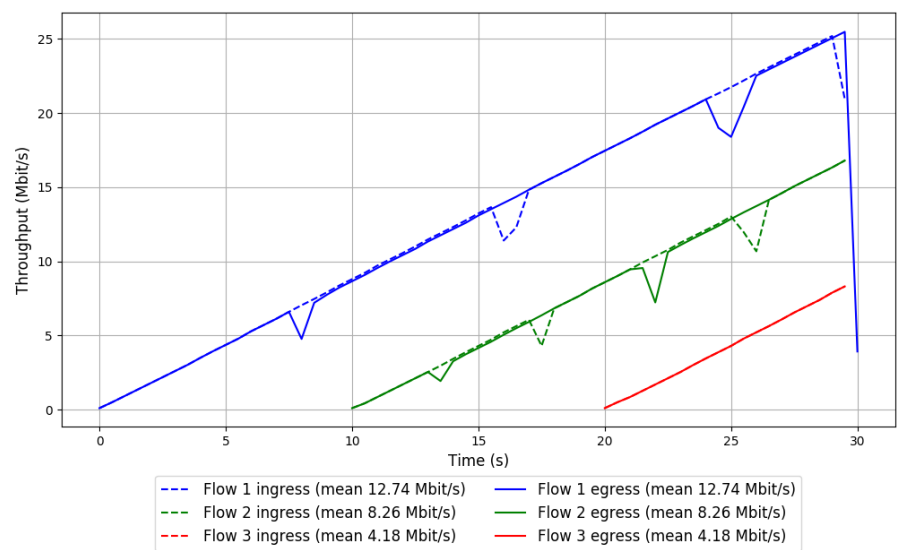


Run 4: Statistics of LEDBAT

Start at: 2017-09-18 04:14:19  
End at: 2017-09-18 04:14:49  
Local clock offset: -0.914 ms  
Remote clock offset: -6.832 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.61 Mbit/s  
95th percentile per-packet one-way delay: 83.758 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.74 Mbit/s  
95th percentile per-packet one-way delay: 82.104 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.26 Mbit/s  
95th percentile per-packet one-way delay: 83.885 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.18 Mbit/s  
95th percentile per-packet one-way delay: 82.559 ms  
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



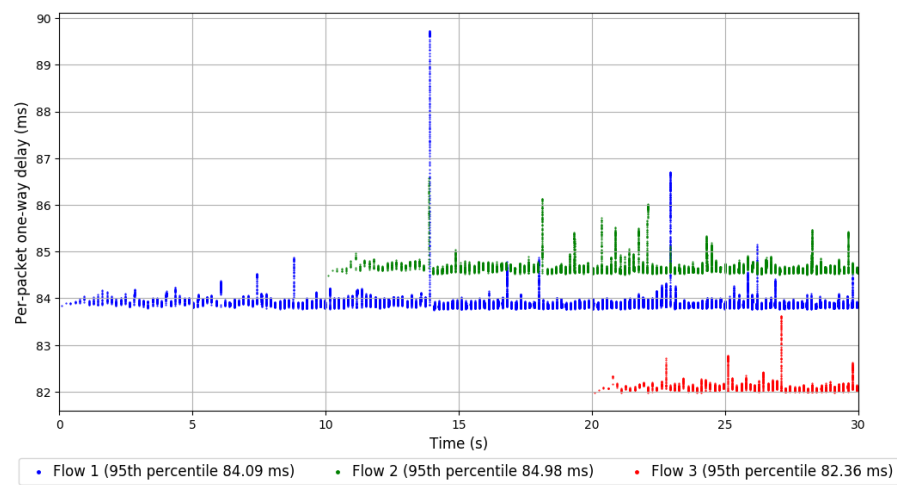
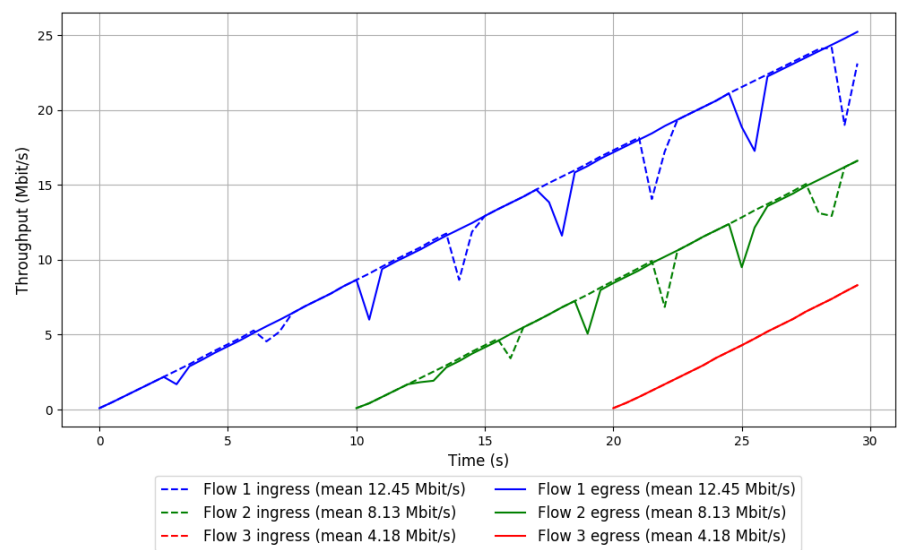
Run 5: Statistics of LEDBAT

Start at: 2017-09-18 04:36:07  
End at: 2017-09-18 04:36:37  
Local clock offset: -0.628 ms  
Remote clock offset: -6.563 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.22 Mbit/s  
95th percentile per-packet one-way delay: 84.720 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.45 Mbit/s  
95th percentile per-packet one-way delay: 84.086 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.13 Mbit/s  
95th percentile per-packet one-way delay: 84.979 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.18 Mbit/s  
95th percentile per-packet one-way delay: 82.363 ms  
Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link

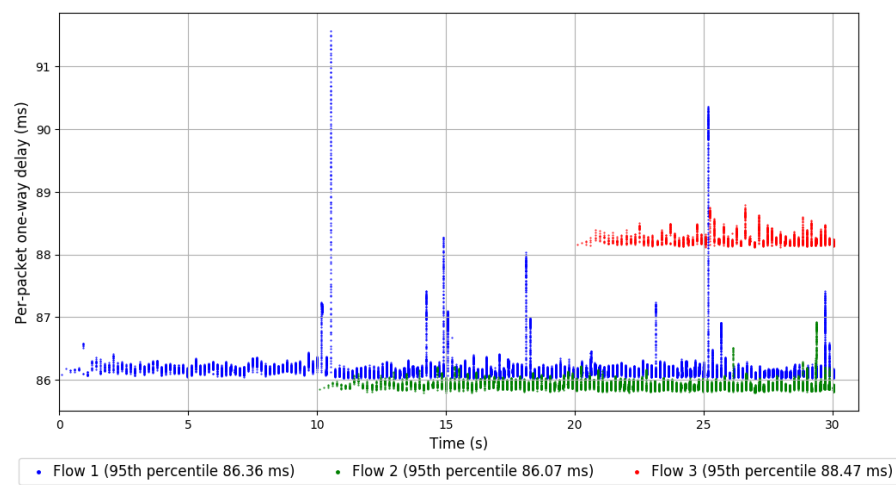
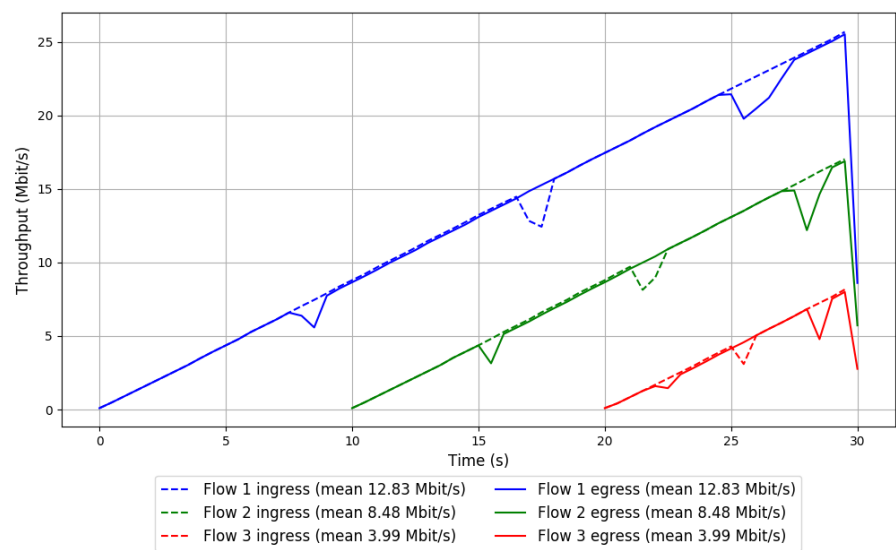


Run 6: Statistics of LEDBAT

Start at: 2017-09-18 04:58:05  
End at: 2017-09-18 04:58:35  
Local clock offset: -0.303 ms  
Remote clock offset: -3.363 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.80 Mbit/s  
95th percentile per-packet one-way delay: 88.192 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.83 Mbit/s  
95th percentile per-packet one-way delay: 86.358 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.48 Mbit/s  
95th percentile per-packet one-way delay: 86.066 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.99 Mbit/s  
95th percentile per-packet one-way delay: 88.466 ms  
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

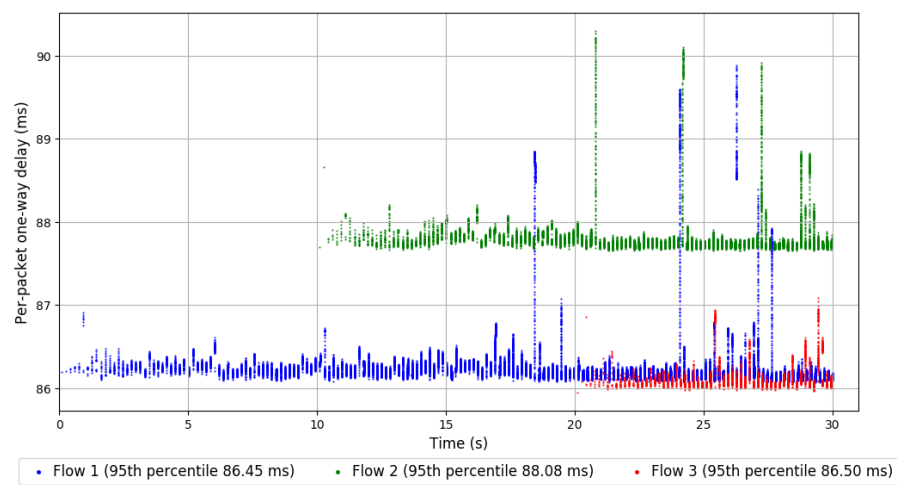
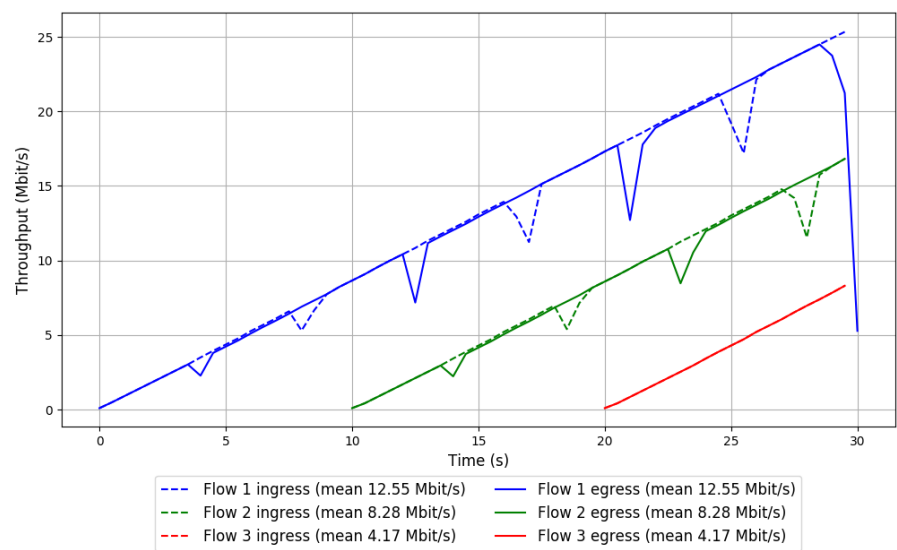


Run 7: Statistics of LEDBAT

Start at: 2017-09-18 05:19:47  
End at: 2017-09-18 05:20:17  
Local clock offset: -0.126 ms  
Remote clock offset: -3.251 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.42 Mbit/s  
95th percentile per-packet one-way delay: 87.852 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.55 Mbit/s  
95th percentile per-packet one-way delay: 86.450 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.28 Mbit/s  
95th percentile per-packet one-way delay: 88.081 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.17 Mbit/s  
95th percentile per-packet one-way delay: 86.503 ms  
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

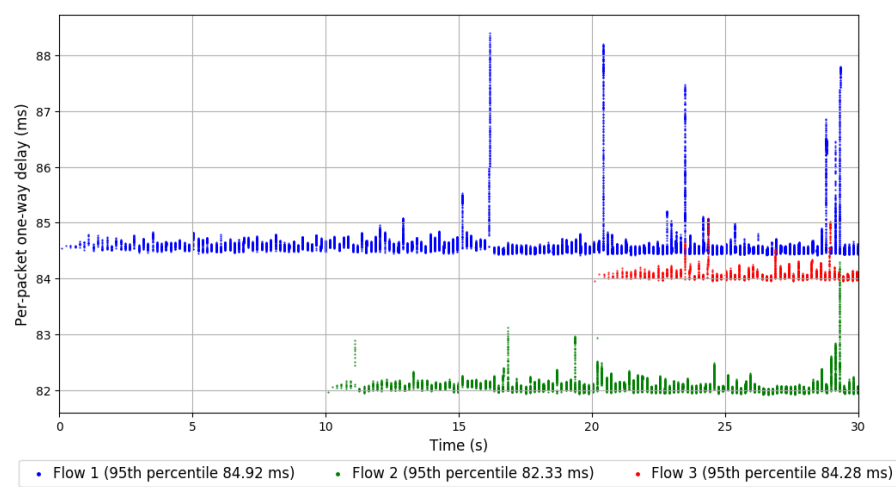
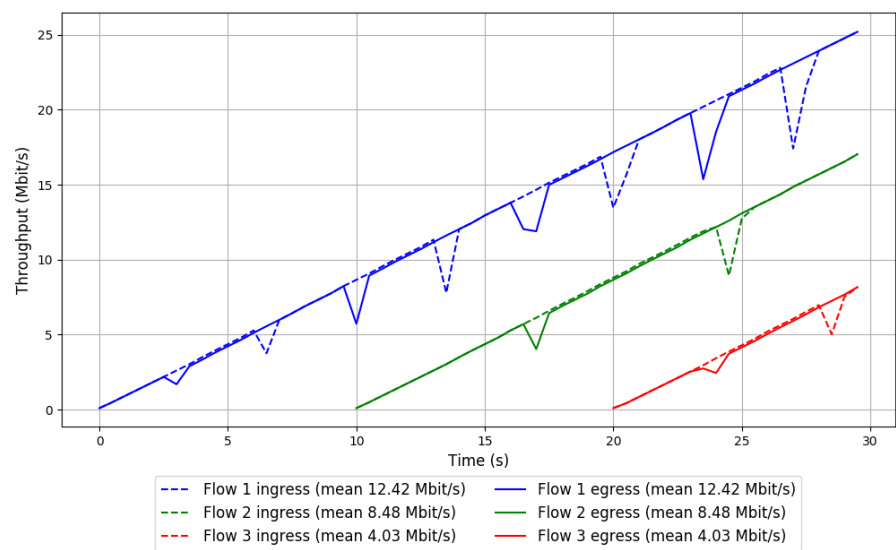


Run 8: Statistics of LEDBAT

Start at: 2017-09-18 05:41:37  
End at: 2017-09-18 05:42:07  
Local clock offset: 0.008 ms  
Remote clock offset: -7.105 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.38 Mbit/s  
95th percentile per-packet one-way delay: 84.745 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.42 Mbit/s  
95th percentile per-packet one-way delay: 84.924 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.48 Mbit/s  
95th percentile per-packet one-way delay: 82.327 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.03 Mbit/s  
95th percentile per-packet one-way delay: 84.277 ms  
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



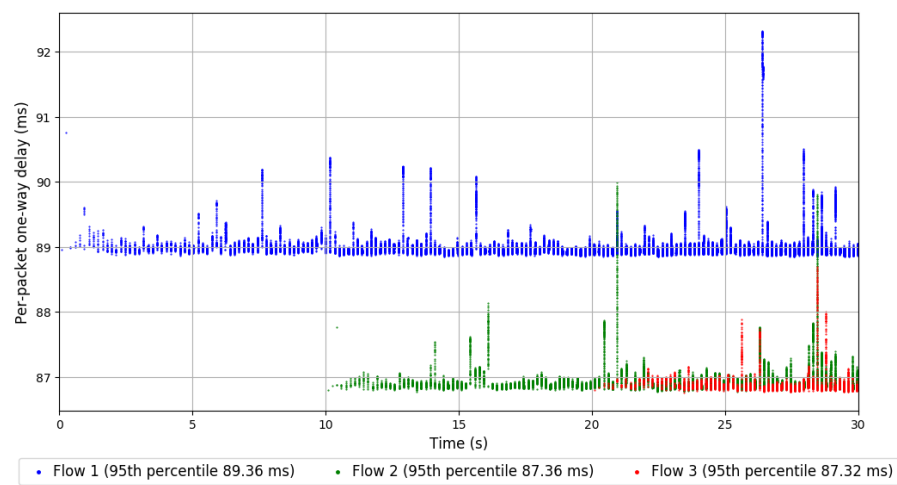
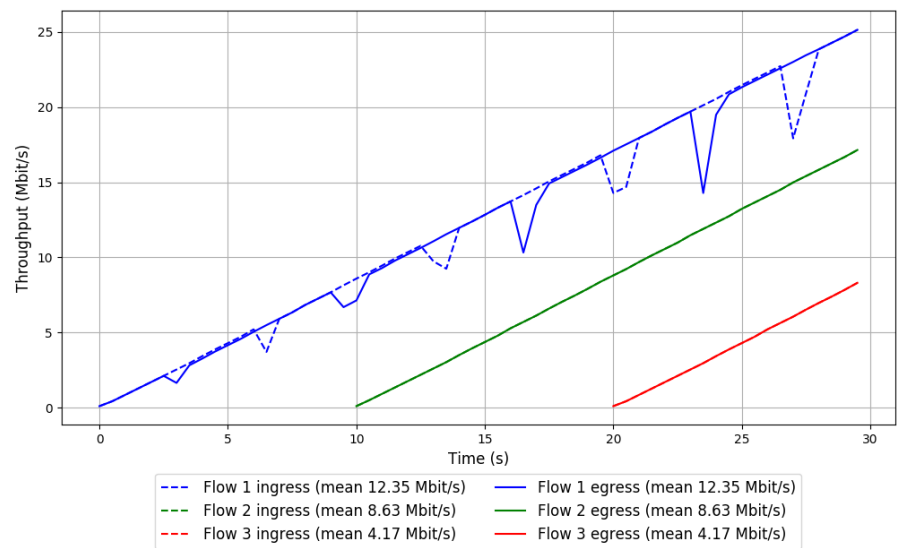
Run 9: Statistics of LEDBAT

Start at: 2017-09-18 06:03:24  
End at: 2017-09-18 06:03:54  
Local clock offset: 0.115 ms  
Remote clock offset: -1.759 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.46 Mbit/s  
95th percentile per-packet one-way delay: 89.158 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.35 Mbit/s  
95th percentile per-packet one-way delay: 89.359 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.63 Mbit/s  
95th percentile per-packet one-way delay: 87.358 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.17 Mbit/s  
95th percentile per-packet one-way delay: 87.321 ms  
Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link

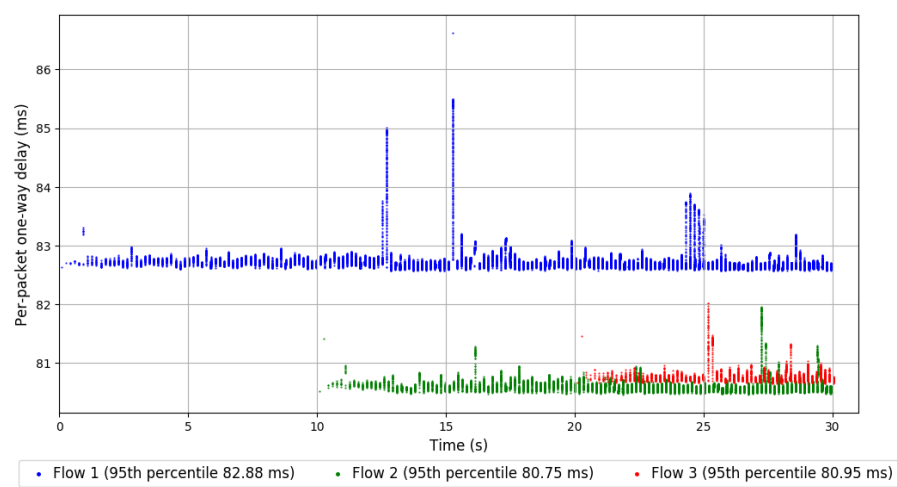
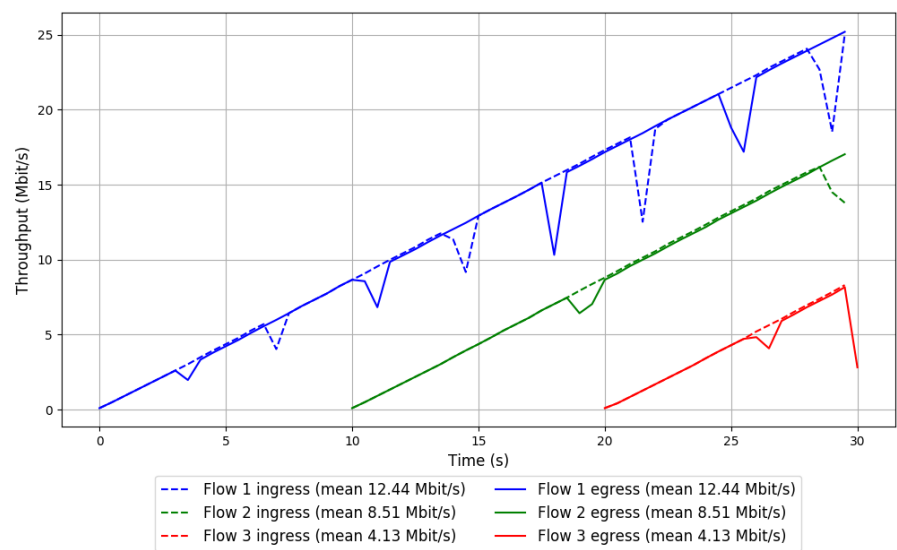


Run 10: Statistics of LEDBAT

Start at: 2017-09-18 06:25:19  
End at: 2017-09-18 06:25:49  
Local clock offset: 0.233 ms  
Remote clock offset: -7.437 ms

# Below is generated by plot.py at 2017-09-18 08:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.40 Mbit/s  
95th percentile per-packet one-way delay: 82.831 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.44 Mbit/s  
95th percentile per-packet one-way delay: 82.881 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 8.51 Mbit/s  
95th percentile per-packet one-way delay: 80.745 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.13 Mbit/s  
95th percentile per-packet one-way delay: 80.947 ms  
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

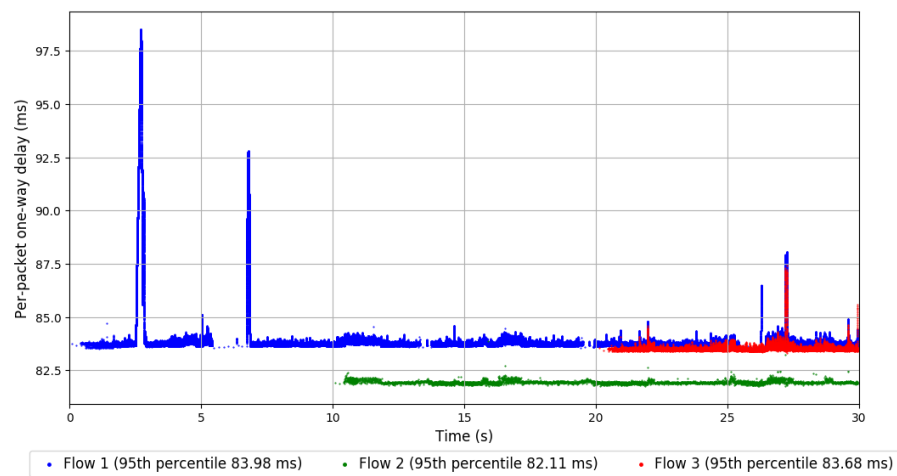
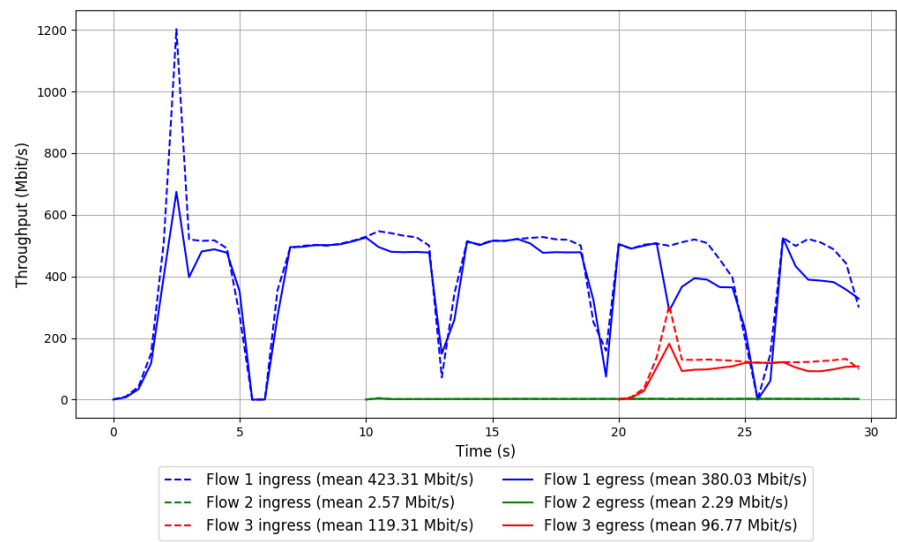


Run 1: Statistics of PCC

Start at: 2017-09-18 03:24:57  
End at: 2017-09-18 03:25:27  
Local clock offset: -1.302 ms  
Remote clock offset: -6.708 ms

# Below is generated by plot.py at 2017-09-18 08:29:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 413.40 Mbit/s  
95th percentile per-packet one-way delay: 83.962 ms  
Loss rate: 10.96%  
-- Flow 1:  
Average throughput: 380.03 Mbit/s  
95th percentile per-packet one-way delay: 83.976 ms  
Loss rate: 10.23%  
-- Flow 2:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 82.114 ms  
Loss rate: 10.86%  
-- Flow 3:  
Average throughput: 96.77 Mbit/s  
95th percentile per-packet one-way delay: 83.683 ms  
Loss rate: 18.89%

Run 1: Report of PCC — Data Link

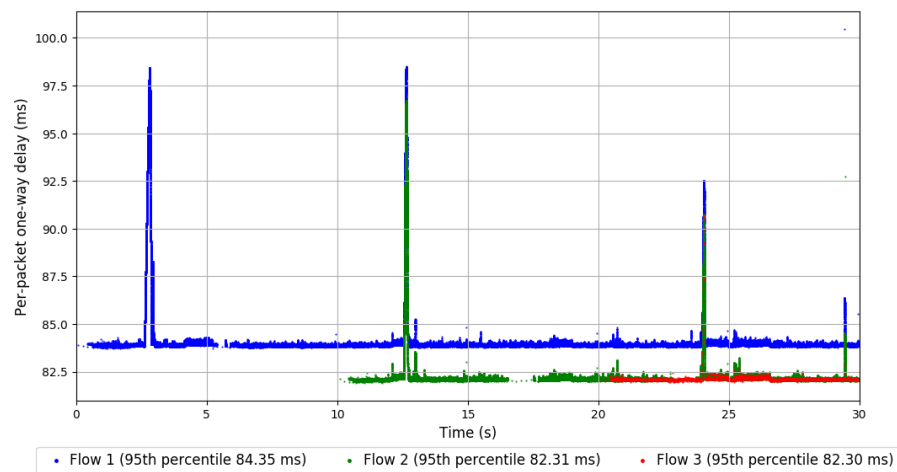
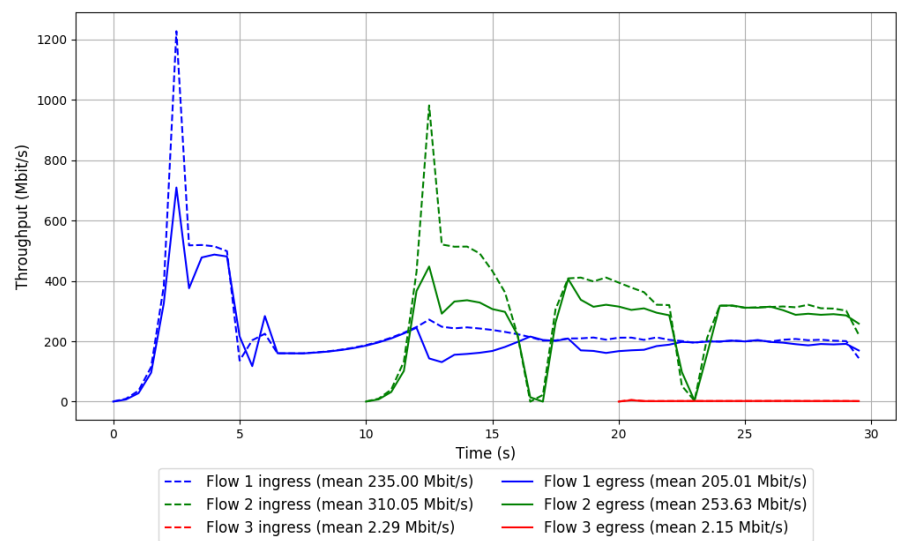


Run 2: Statistics of PCC

Start at: 2017-09-18 03:46:58  
End at: 2017-09-18 03:47:28  
Local clock offset: -1.135 ms  
Remote clock offset: -6.424 ms

# Below is generated by plot.py at 2017-09-18 08:29:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 374.33 Mbit/s  
95th percentile per-packet one-way delay: 84.092 ms  
Loss rate: 15.28%  
-- Flow 1:  
Average throughput: 205.01 Mbit/s  
95th percentile per-packet one-way delay: 84.354 ms  
Loss rate: 12.76%  
-- Flow 2:  
Average throughput: 253.63 Mbit/s  
95th percentile per-packet one-way delay: 82.307 ms  
Loss rate: 18.20%  
-- Flow 3:  
Average throughput: 2.15 Mbit/s  
95th percentile per-packet one-way delay: 82.295 ms  
Loss rate: 6.14%

Run 2: Report of PCC — Data Link



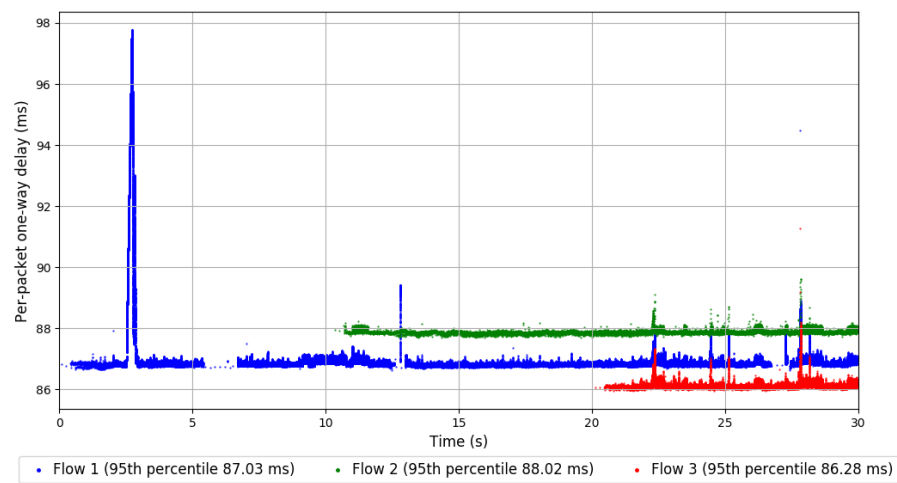
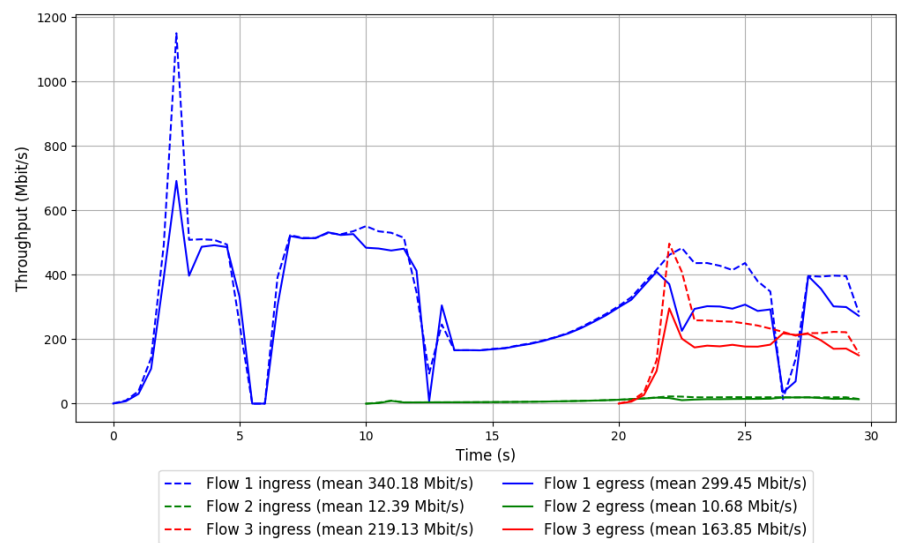
Run 3: Statistics of PCC

Start at: 2017-09-18 04:08:49  
End at: 2017-09-18 04:09:19  
Local clock offset: -0.944 ms  
Remote clock offset: -2.569 ms

# Below is generated by plot.py at 2017-09-18 08:29:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 360.37 Mbit/s  
95th percentile per-packet one-way delay: 87.170 ms  
Loss rate: 14.31%  
-- Flow 1:  
Average throughput: 299.45 Mbit/s  
95th percentile per-packet one-way delay: 87.025 ms  
Loss rate: 11.97%  
-- Flow 2:  
Average throughput: 10.68 Mbit/s  
95th percentile per-packet one-way delay: 88.019 ms  
Loss rate: 14.96%  
-- Flow 3:  
Average throughput: 163.85 Mbit/s  
95th percentile per-packet one-way delay: 86.275 ms  
Loss rate: 25.26%



Run 3: Report of PCC — Data Link

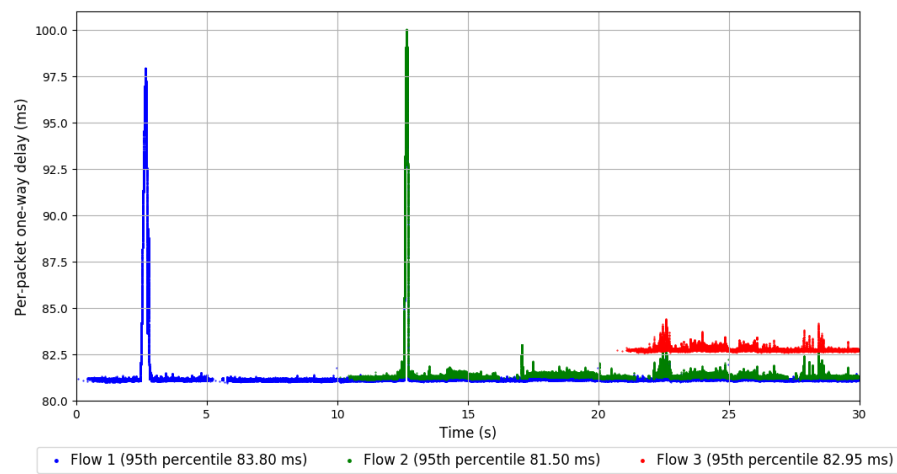
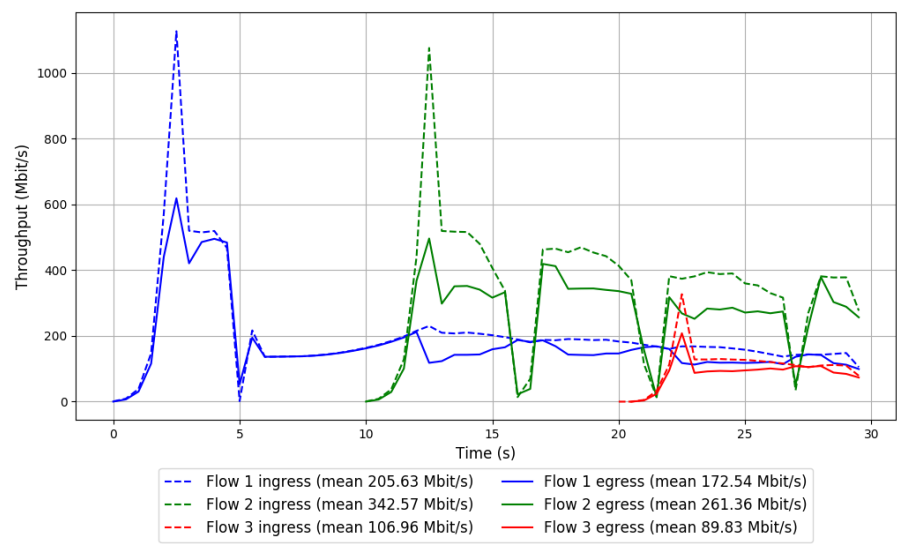


Run 4: Statistics of PCC

Start at: 2017-09-18 04:30:35  
End at: 2017-09-18 04:31:05  
Local clock offset: -0.725 ms  
Remote clock offset: -7.346 ms

# Below is generated by plot.py at 2017-09-18 08:29:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 373.91 Mbit/s  
95th percentile per-packet one-way delay: 82.836 ms  
Loss rate: 20.19%  
-- Flow 1:  
Average throughput: 172.54 Mbit/s  
95th percentile per-packet one-way delay: 83.802 ms  
Loss rate: 16.09%  
-- Flow 2:  
Average throughput: 261.36 Mbit/s  
95th percentile per-packet one-way delay: 81.498 ms  
Loss rate: 23.71%  
-- Flow 3:  
Average throughput: 89.83 Mbit/s  
95th percentile per-packet one-way delay: 82.950 ms  
Loss rate: 21.40%

Run 4: Report of PCC — Data Link

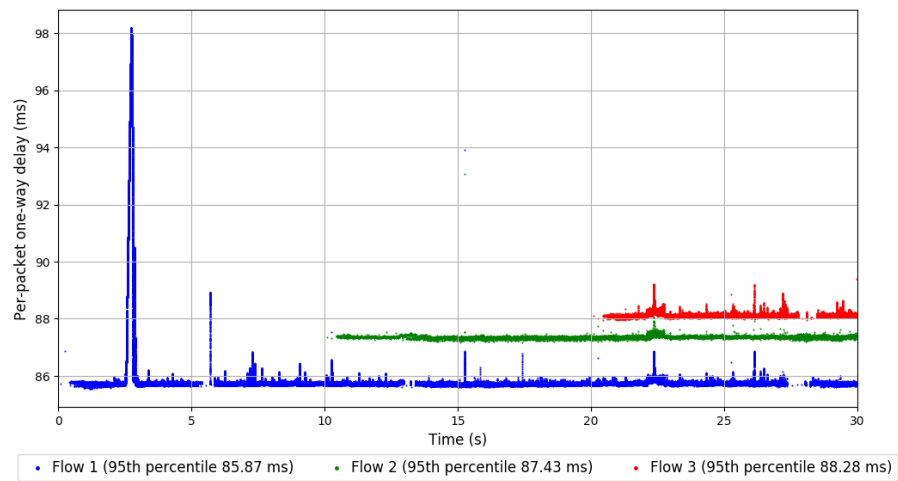
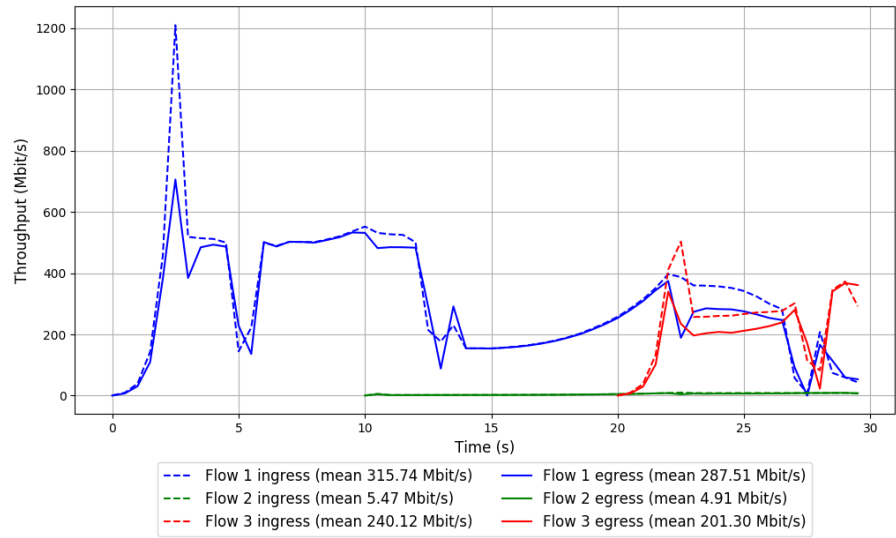


Run 5: Statistics of PCC

Start at: 2017-09-18 04:52:20  
End at: 2017-09-18 04:52:50  
Local clock offset: -0.388 ms  
Remote clock offset: -3.356 ms

# Below is generated by plot.py at 2017-09-18 08:29:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 357.15 Mbit/s  
95th percentile per-packet one-way delay: 88.143 ms  
Loss rate: 10.39%  
-- Flow 1:  
Average throughput: 287.51 Mbit/s  
95th percentile per-packet one-way delay: 85.874 ms  
Loss rate: 8.94%  
-- Flow 2:  
Average throughput: 4.91 Mbit/s  
95th percentile per-packet one-way delay: 87.432 ms  
Loss rate: 10.22%  
-- Flow 3:  
Average throughput: 201.30 Mbit/s  
95th percentile per-packet one-way delay: 88.280 ms  
Loss rate: 16.16%

## Run 5: Report of PCC — Data Link

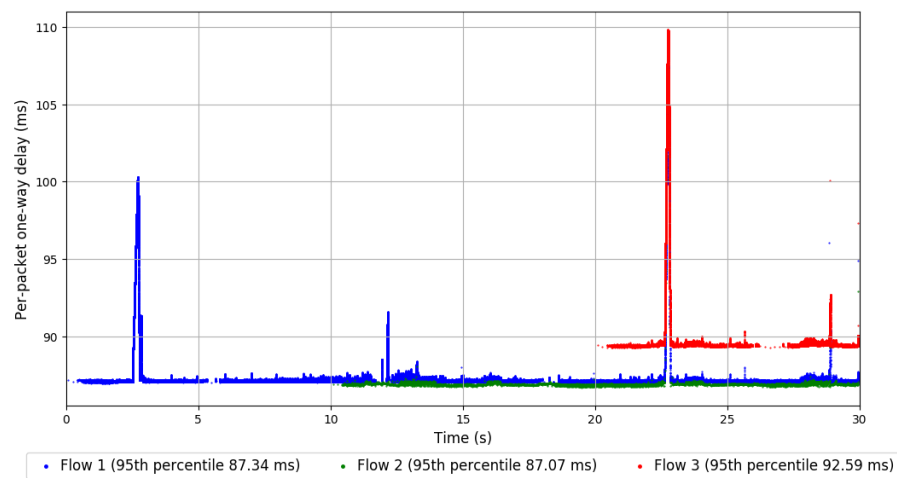
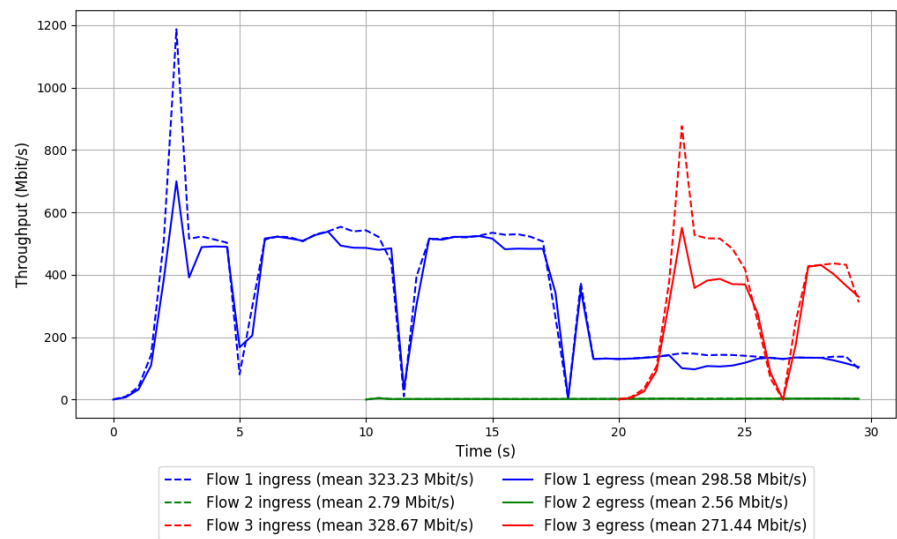


Run 6: Statistics of PCC

Start at: 2017-09-18 05:14:15  
End at: 2017-09-18 05:14:45  
Local clock offset: -0.115 ms  
Remote clock offset: -2.297 ms

# Below is generated by plot.py at 2017-09-18 08:29:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 389.80 Mbit/s  
95th percentile per-packet one-way delay: 89.599 ms  
Loss rate: 10.08%  
-- Flow 1:  
Average throughput: 298.58 Mbit/s  
95th percentile per-packet one-way delay: 87.341 ms  
Loss rate: 7.62%  
-- Flow 2:  
Average throughput: 2.56 Mbit/s  
95th percentile per-packet one-way delay: 87.070 ms  
Loss rate: 8.25%  
-- Flow 3:  
Average throughput: 271.44 Mbit/s  
95th percentile per-packet one-way delay: 92.594 ms  
Loss rate: 17.41%

Run 6: Report of PCC — Data Link



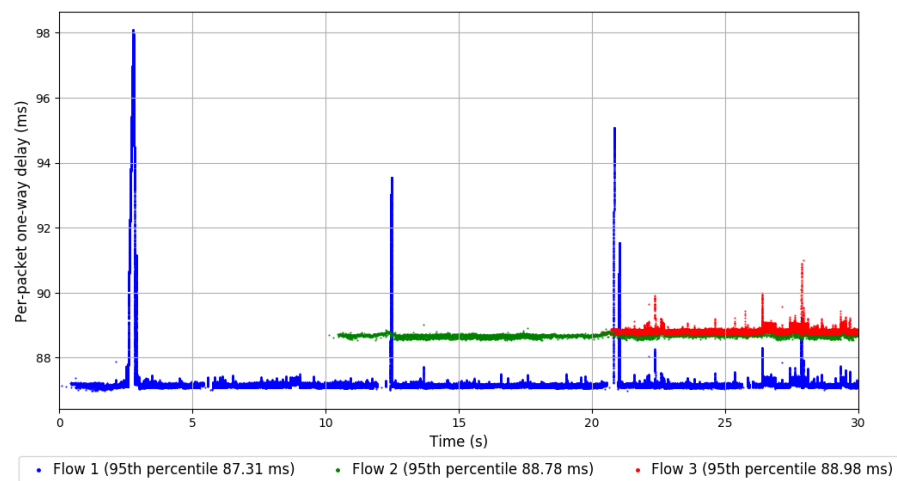
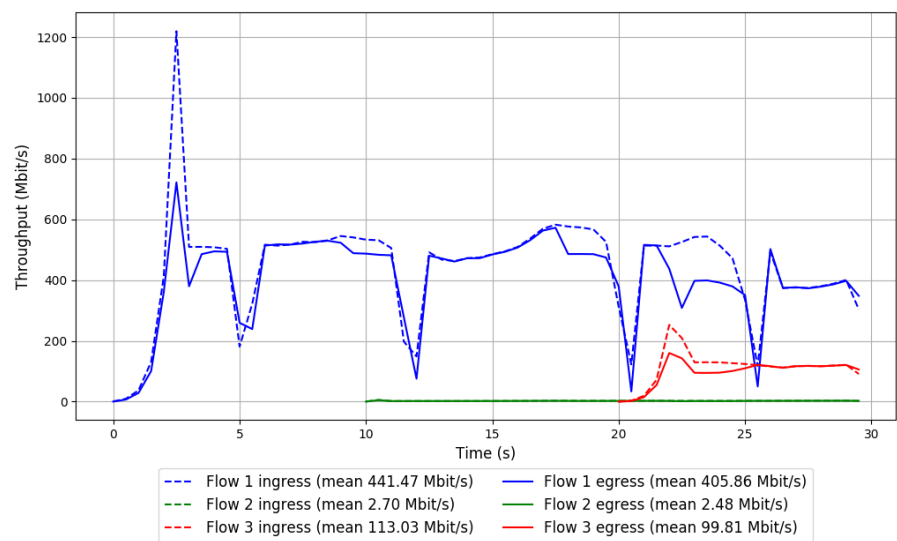
Run 7: Statistics of PCC

Start at: 2017-09-18 05:36:01  
End at: 2017-09-18 05:36:31  
Local clock offset: -0.026 ms  
Remote clock offset: -2.308 ms

# Below is generated by plot.py at 2017-09-18 08:31:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 439.54 Mbit/s  
95th percentile per-packet one-way delay: 88.827 ms  
Loss rate: 8.52%  
-- Flow 1:  
Average throughput: 405.86 Mbit/s  
95th percentile per-packet one-way delay: 87.311 ms  
Loss rate: 8.07%  
-- Flow 2:  
Average throughput: 2.48 Mbit/s  
95th percentile per-packet one-way delay: 88.780 ms  
Loss rate: 8.15%  
-- Flow 3:  
Average throughput: 99.81 Mbit/s  
95th percentile per-packet one-way delay: 88.983 ms  
Loss rate: 13.97%



Run 7: Report of PCC — Data Link

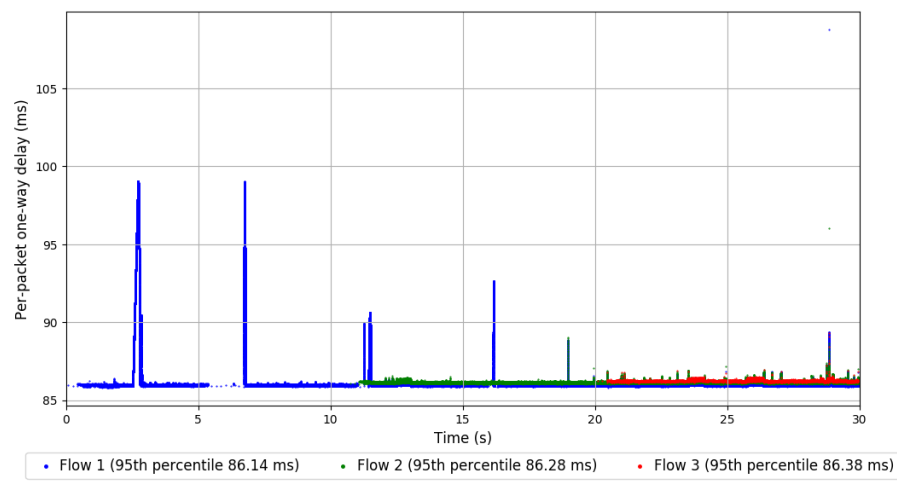
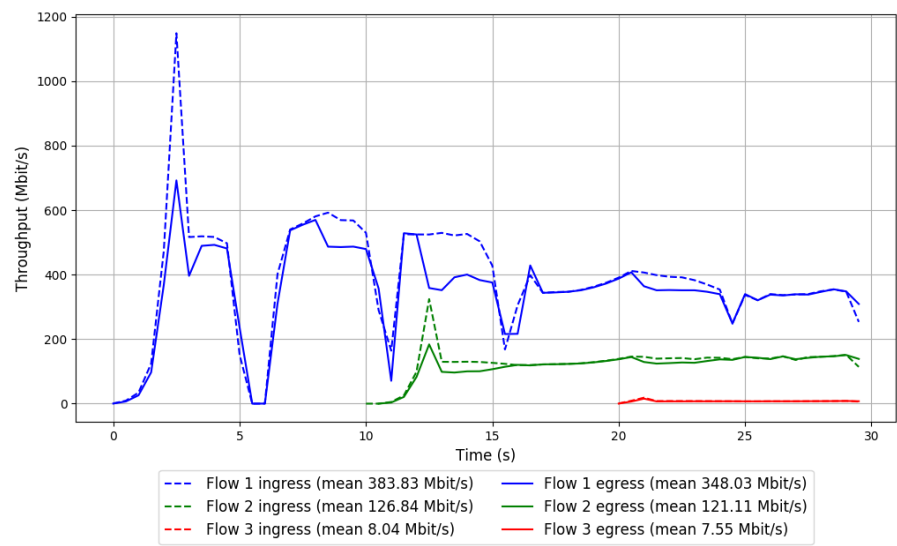


Run 8: Statistics of PCC

Start at: 2017-09-18 05:57:47  
End at: 2017-09-18 05:58:17  
Local clock offset: 0.097 ms  
Remote clock offset: -2.748 ms

# Below is generated by plot.py at 2017-09-18 08:31:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 428.41 Mbit/s  
95th percentile per-packet one-way delay: 86.231 ms  
Loss rate: 9.01%  
-- Flow 1:  
Average throughput: 348.03 Mbit/s  
95th percentile per-packet one-way delay: 86.143 ms  
Loss rate: 9.33%  
-- Flow 2:  
Average throughput: 121.11 Mbit/s  
95th percentile per-packet one-way delay: 86.276 ms  
Loss rate: 7.63%  
-- Flow 3:  
Average throughput: 7.55 Mbit/s  
95th percentile per-packet one-way delay: 86.379 ms  
Loss rate: 6.08%

Run 8: Report of PCC — Data Link

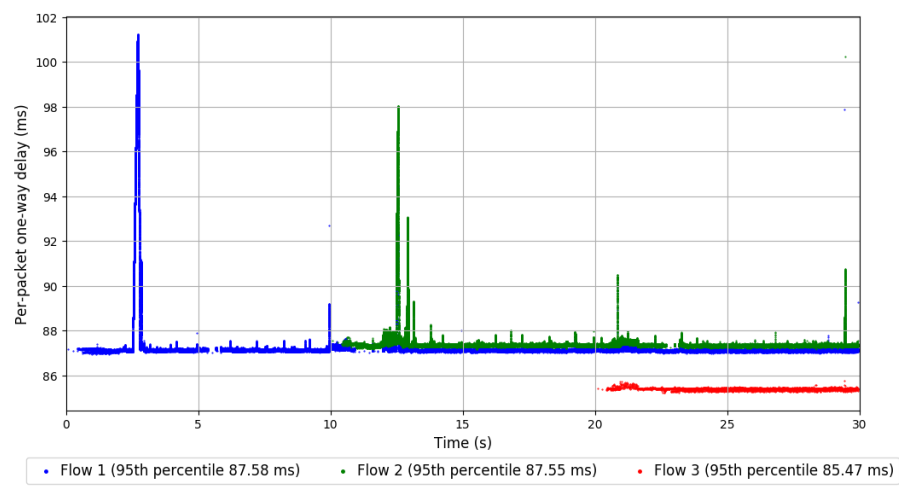
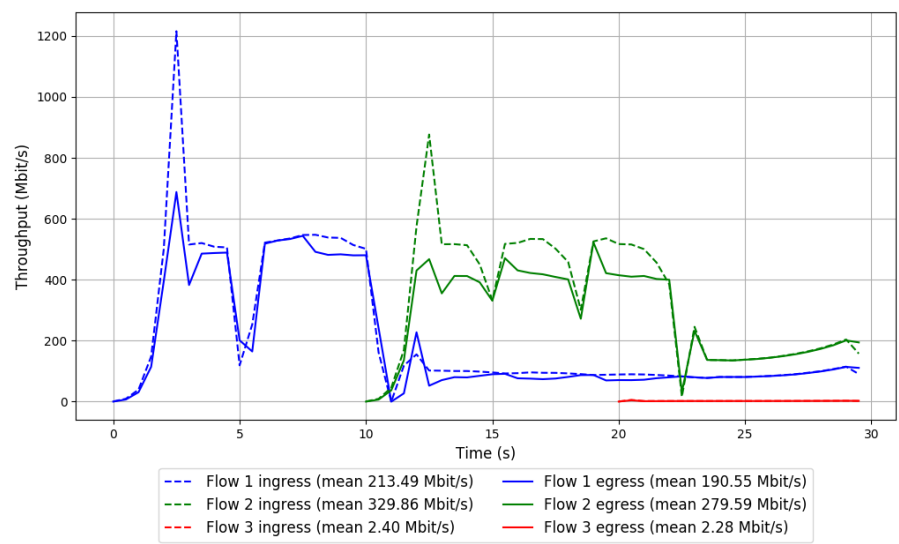


Run 9: Statistics of PCC

Start at: 2017-09-18 06:19:47  
End at: 2017-09-18 06:20:17  
Local clock offset: 0.158 ms  
Remote clock offset: -3.217 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 377.24 Mbit/s  
95th percentile per-packet one-way delay: 87.552 ms  
Loss rate: 13.00%  
-- Flow 1:  
Average throughput: 190.55 Mbit/s  
95th percentile per-packet one-way delay: 87.579 ms  
Loss rate: 10.74%  
-- Flow 2:  
Average throughput: 279.59 Mbit/s  
95th percentile per-packet one-way delay: 87.551 ms  
Loss rate: 15.24%  
-- Flow 3:  
Average throughput: 2.28 Mbit/s  
95th percentile per-packet one-way delay: 85.465 ms  
Loss rate: 4.64%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-09-18 06:41:18

End at: 2017-09-18 06:41:48

Local clock offset: 0.234 ms

Remote clock offset: -6.59 ms

# Below is generated by plot.py at 2017-09-18 08:34:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 365.84 Mbit/s

95th percentile per-packet one-way delay: 83.868 ms

Loss rate: 11.34%

-- Flow 1:

Average throughput: 331.72 Mbit/s

95th percentile per-packet one-way delay: 83.877 ms

Loss rate: 10.62%

-- Flow 2:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 83.570 ms

Loss rate: 10.44%

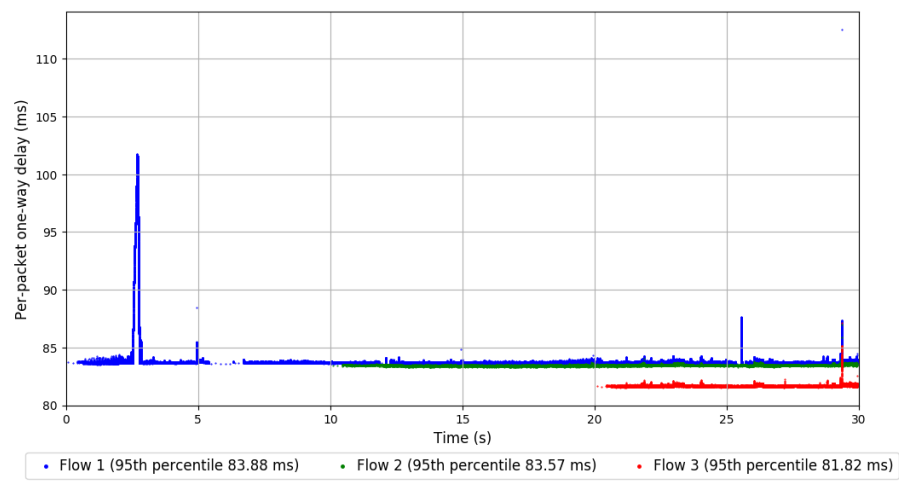
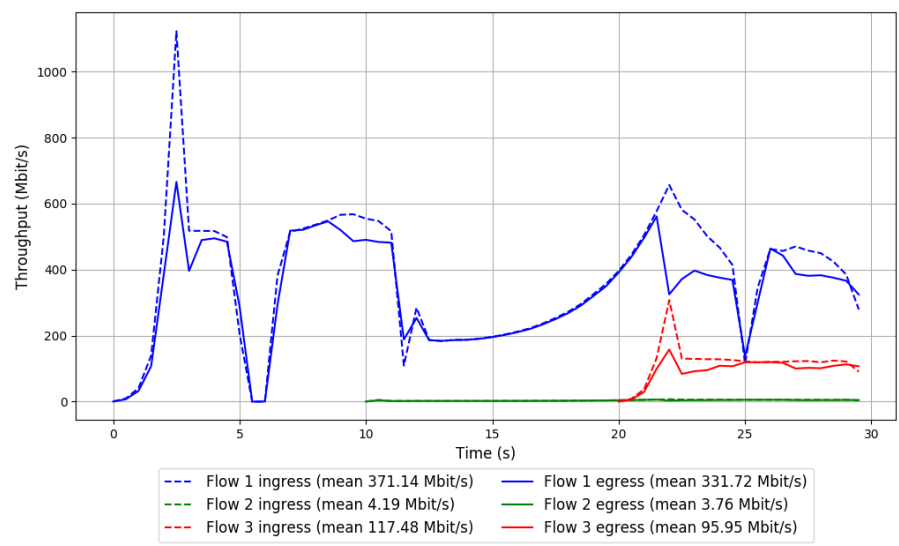
-- Flow 3:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 81.823 ms

Loss rate: 18.33%

Run 10: Report of PCC — Data Link



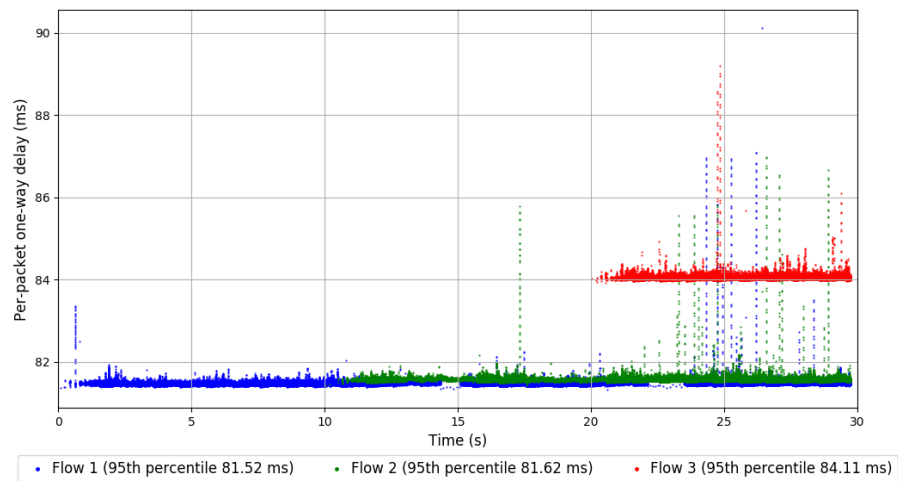
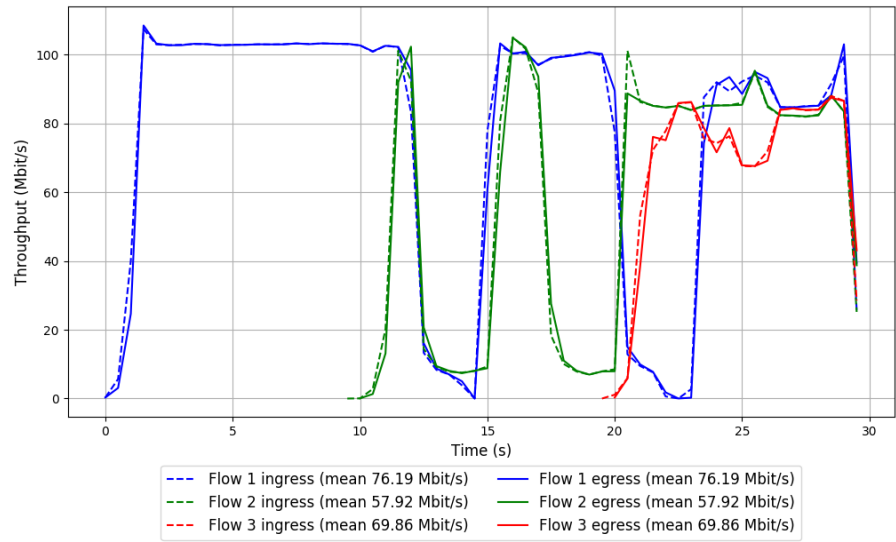
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-18 03:04:26  
End at: 2017-09-18 03:04:56  
Local clock offset: -1.49 ms  
Remote clock offset: -6.796 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 137.53 Mbit/s  
95th percentile per-packet one-way delay: 84.056 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 76.19 Mbit/s  
95th percentile per-packet one-way delay: 81.519 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 57.92 Mbit/s  
95th percentile per-packet one-way delay: 81.625 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 69.86 Mbit/s  
95th percentile per-packet one-way delay: 84.111 ms  
Loss rate: 0.01%



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

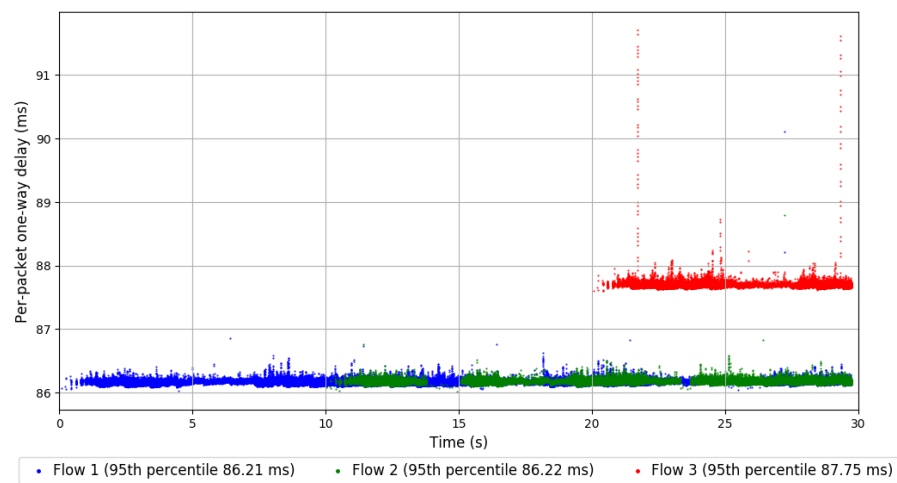
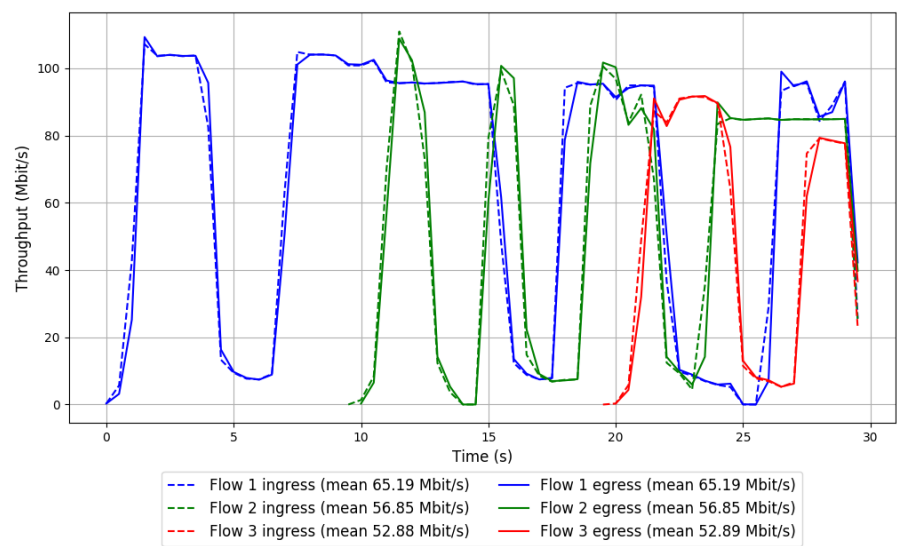


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-18 03:26:30  
End at: 2017-09-18 03:27:00  
Local clock offset: -1.276 ms  
Remote clock offset: -2.477 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 120.27 Mbit/s  
95th percentile per-packet one-way delay: 87.707 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 65.19 Mbit/s  
95th percentile per-packet one-way delay: 86.210 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 56.85 Mbit/s  
95th percentile per-packet one-way delay: 86.220 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.89 Mbit/s  
95th percentile per-packet one-way delay: 87.750 ms  
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

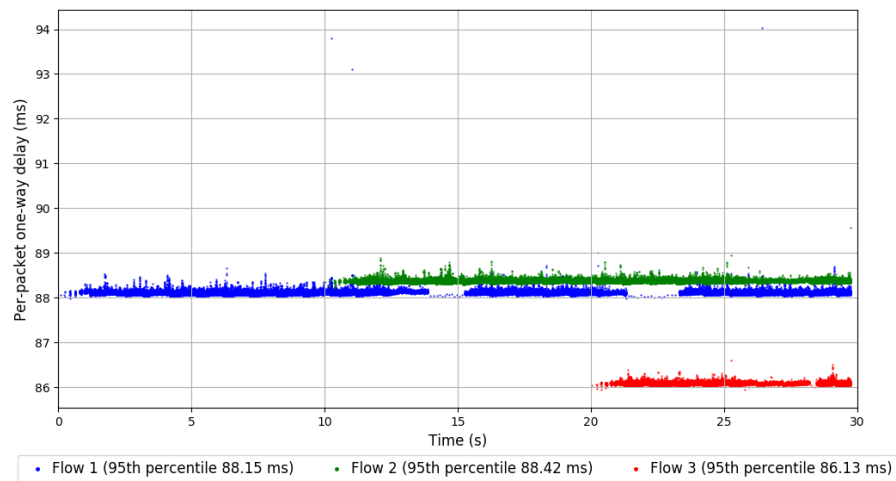
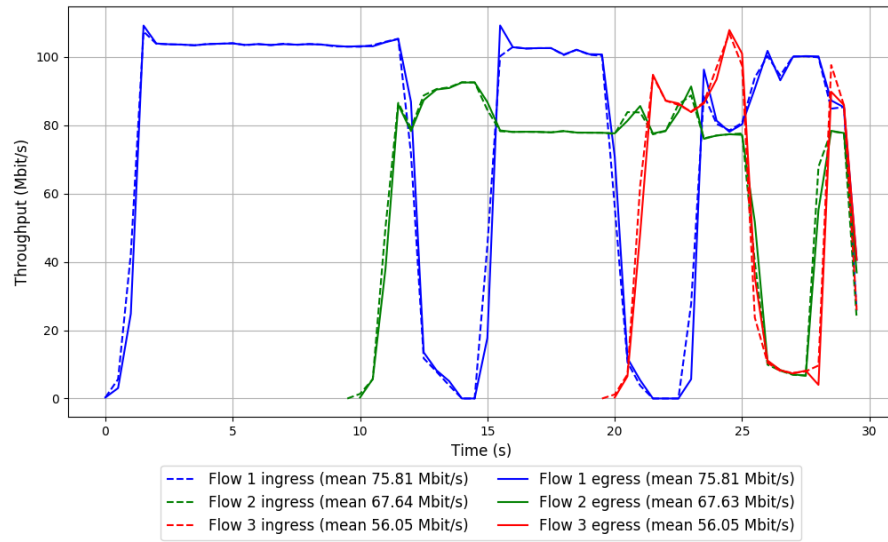


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-18 03:48:33  
End at: 2017-09-18 03:49:03  
Local clock offset: -1.217 ms  
Remote clock offset: -2.513 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 139.12 Mbit/s  
95th percentile per-packet one-way delay: 88.398 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 75.81 Mbit/s  
95th percentile per-packet one-way delay: 88.153 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 67.63 Mbit/s  
95th percentile per-packet one-way delay: 88.417 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 56.05 Mbit/s  
95th percentile per-packet one-way delay: 86.127 ms  
Loss rate: 0.00%

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

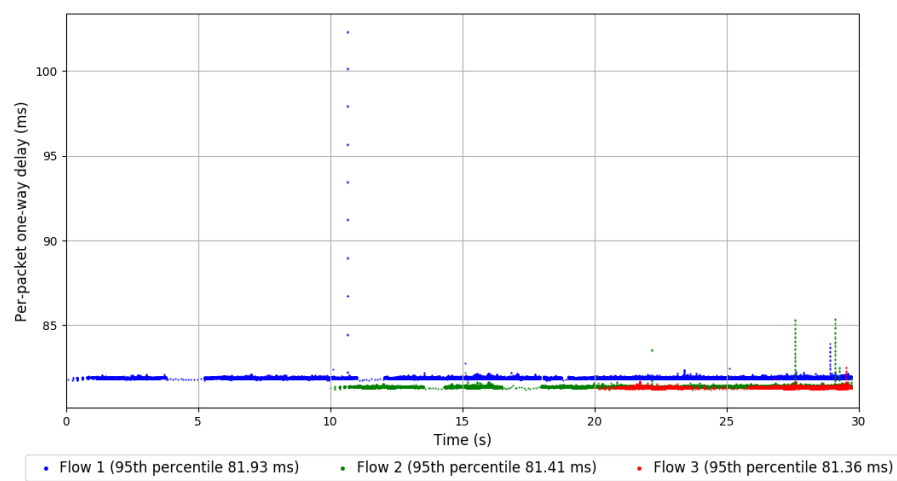
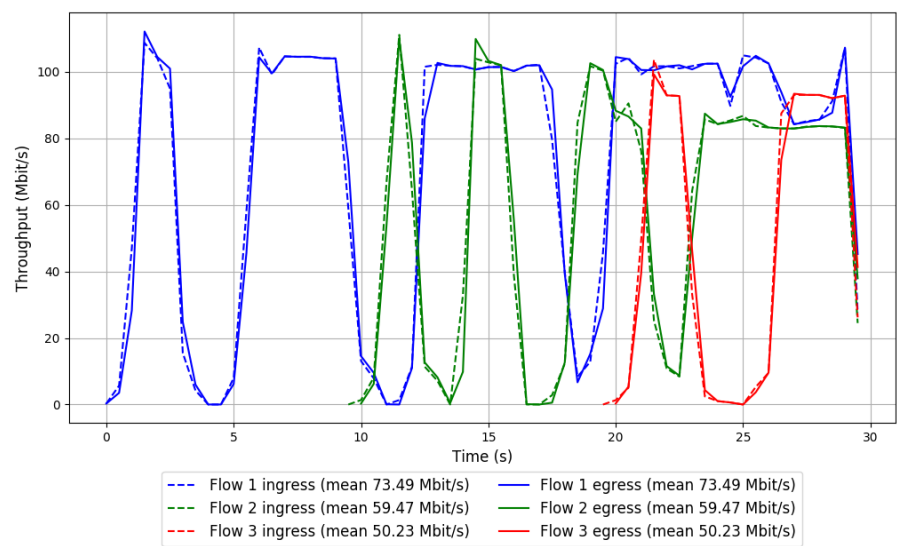


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-18 04:10:19  
End at: 2017-09-18 04:10:49  
Local clock offset: -0.878 ms  
Remote clock offset: -7.443 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 129.49 Mbit/s  
95th percentile per-packet one-way delay: 81.921 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 73.49 Mbit/s  
95th percentile per-packet one-way delay: 81.930 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 59.47 Mbit/s  
95th percentile per-packet one-way delay: 81.410 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 50.23 Mbit/s  
95th percentile per-packet one-way delay: 81.359 ms  
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



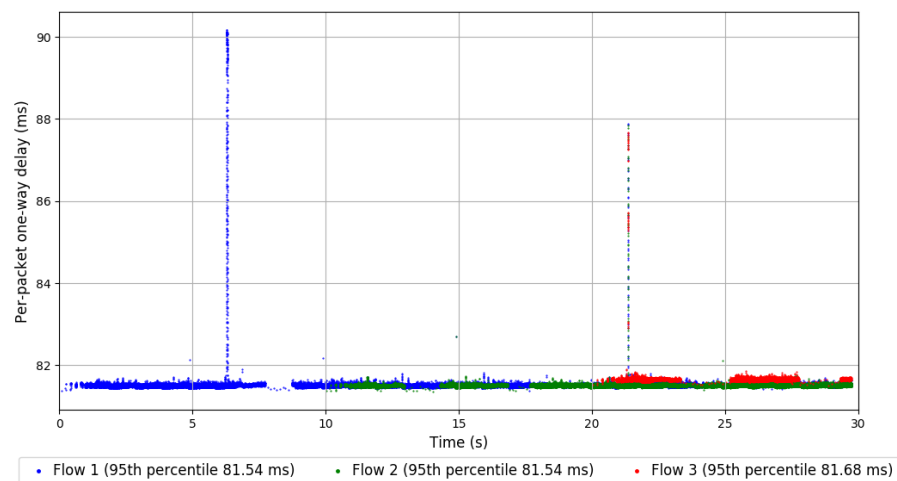
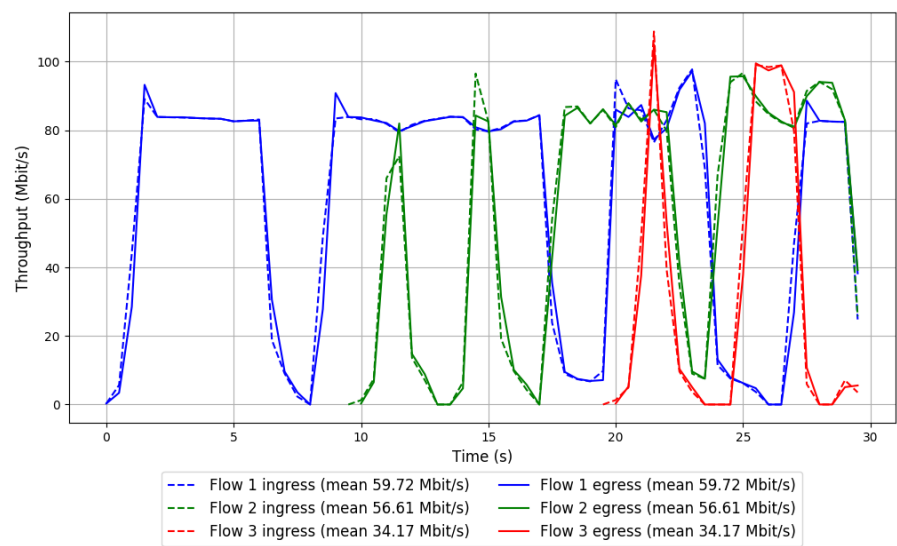
Run 5: Statistics of QUIC Cubic

Start at: 2017-09-18 04:32:08  
End at: 2017-09-18 04:32:38  
Local clock offset: -0.654 ms  
Remote clock offset: -7.009 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 108.53 Mbit/s  
95th percentile per-packet one-way delay: 81.650 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.72 Mbit/s  
95th percentile per-packet one-way delay: 81.539 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 56.61 Mbit/s  
95th percentile per-packet one-way delay: 81.537 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 34.17 Mbit/s  
95th percentile per-packet one-way delay: 81.684 ms  
Loss rate: 0.00%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-18 04:53:58

End at: 2017-09-18 04:54:28

Local clock offset: -0.382 ms

Remote clock offset: -3.0 ms

# Below is generated by plot.py at 2017-09-18 08:34:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 129.62 Mbit/s

95th percentile per-packet one-way delay: 87.803 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.56 Mbit/s

95th percentile per-packet one-way delay: 86.988 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 87.820 ms

Loss rate: 0.00%

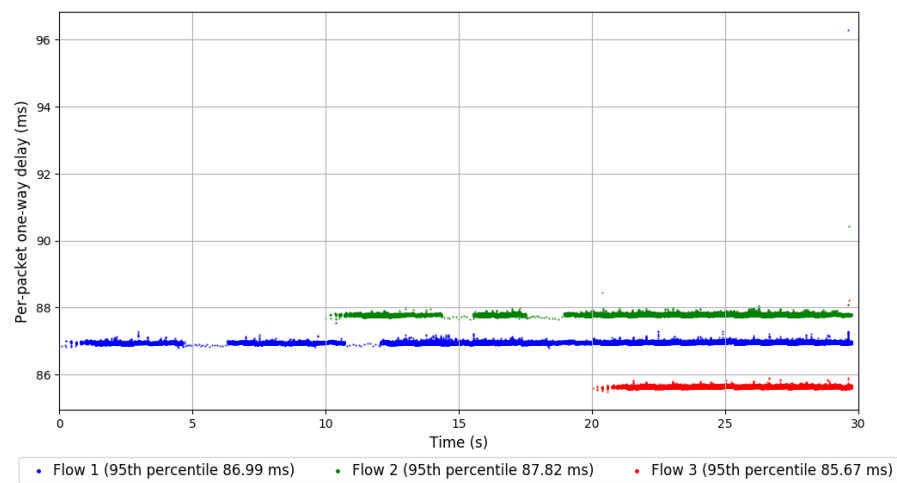
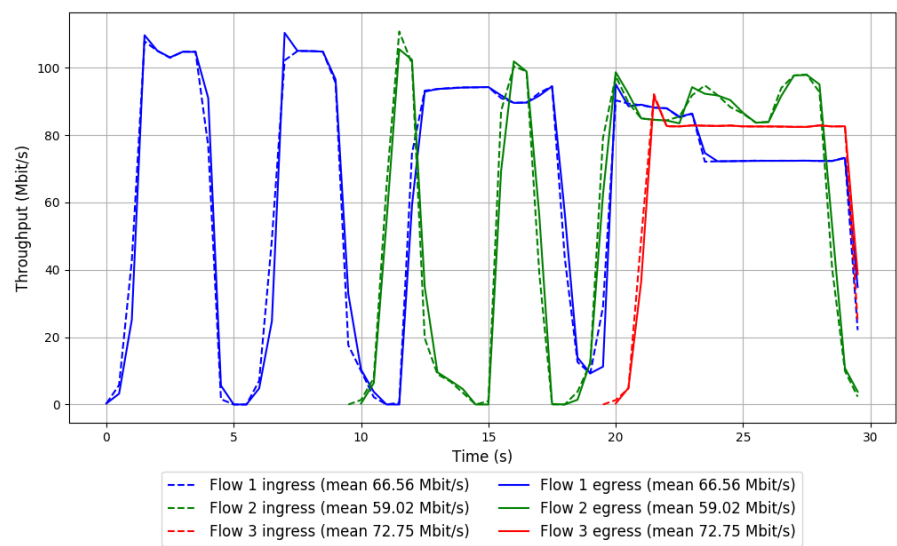
-- Flow 3:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 85.670 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

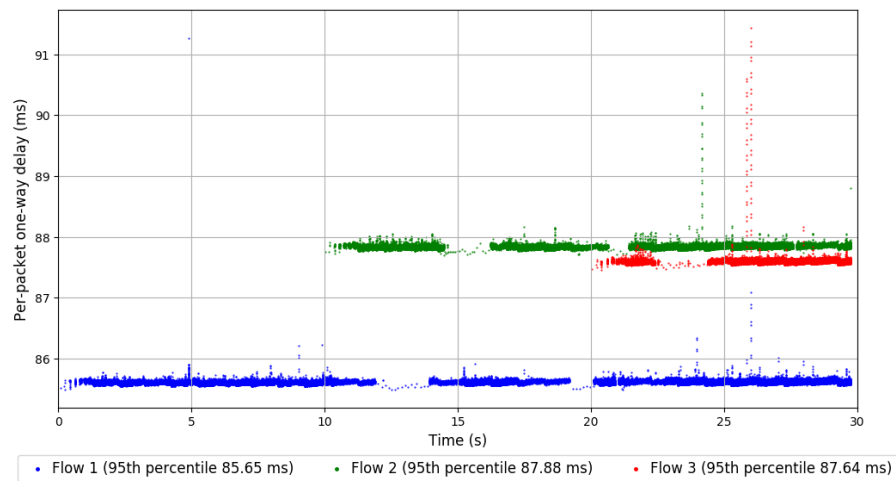
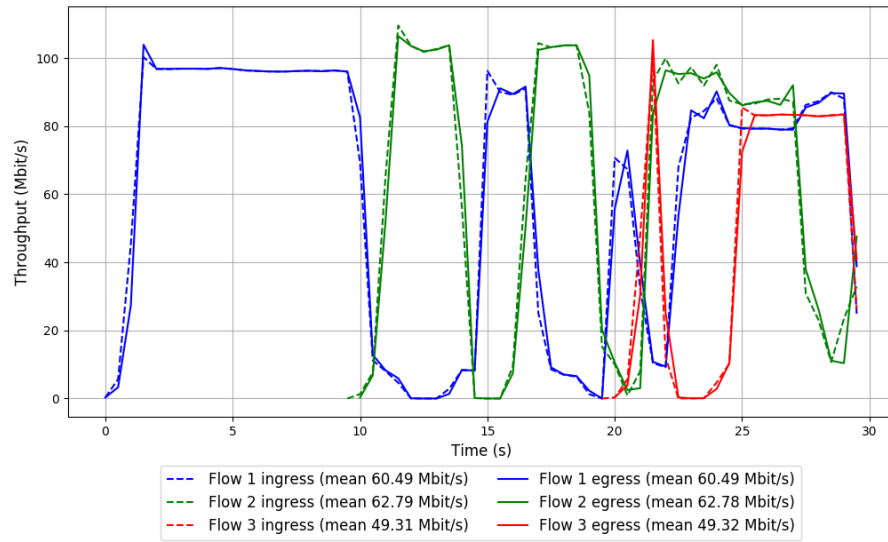


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-18 05:15:46  
End at: 2017-09-18 05:16:16  
Local clock offset: -0.106 ms  
Remote clock offset: -3.562 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 118.37 Mbit/s  
95th percentile per-packet one-way delay: 87.863 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 60.49 Mbit/s  
95th percentile per-packet one-way delay: 85.650 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.78 Mbit/s  
95th percentile per-packet one-way delay: 87.877 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.32 Mbit/s  
95th percentile per-packet one-way delay: 87.637 ms  
Loss rate: 0.00%

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

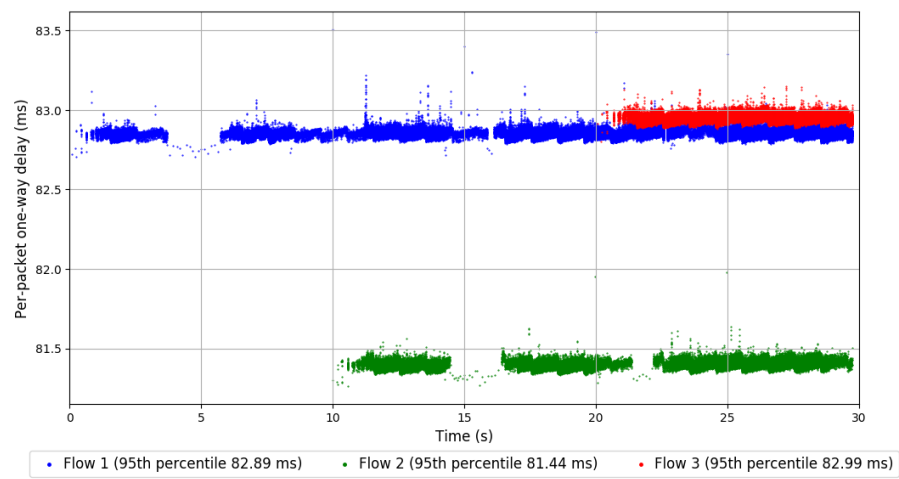
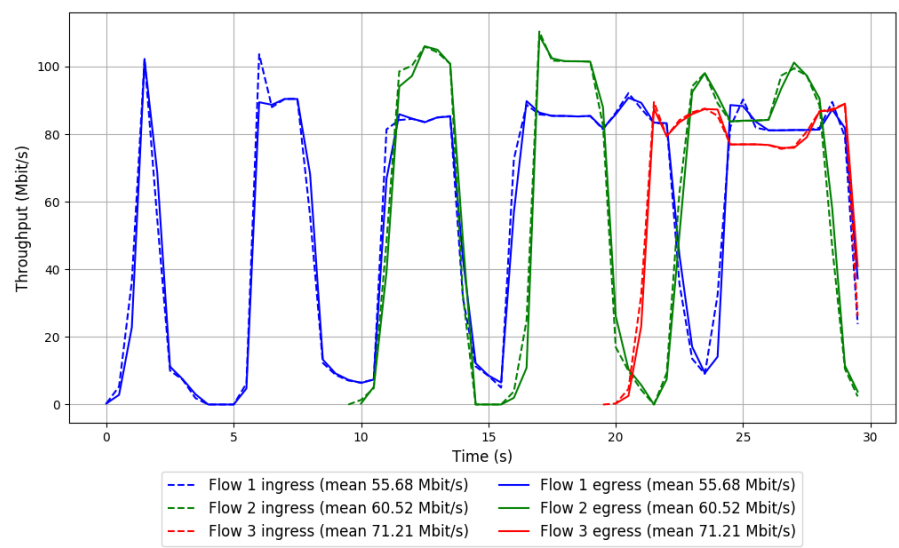


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-18 05:37:36  
End at: 2017-09-18 05:38:06  
Local clock offset: -0.006 ms  
Remote clock offset: -8.003 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 119.20 Mbit/s  
95th percentile per-packet one-way delay: 82.967 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.68 Mbit/s  
95th percentile per-packet one-way delay: 82.890 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 60.52 Mbit/s  
95th percentile per-packet one-way delay: 81.437 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 71.21 Mbit/s  
95th percentile per-packet one-way delay: 82.989 ms  
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-18 05:59:20

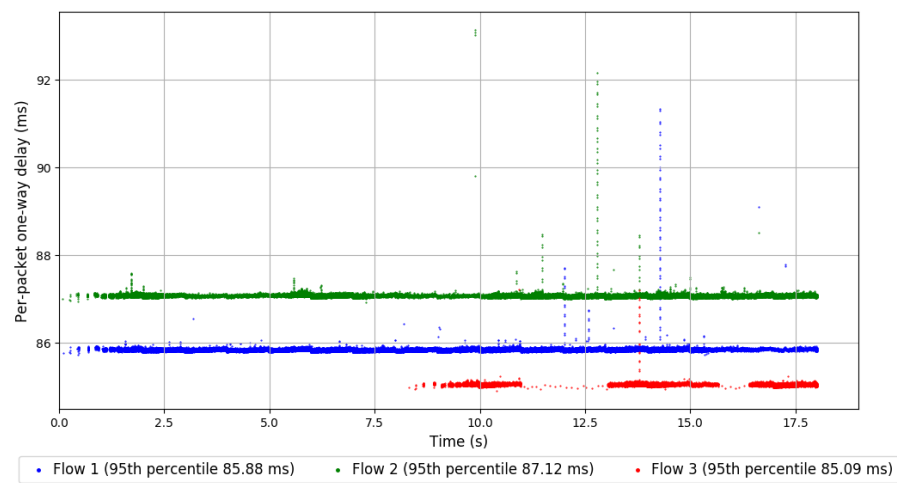
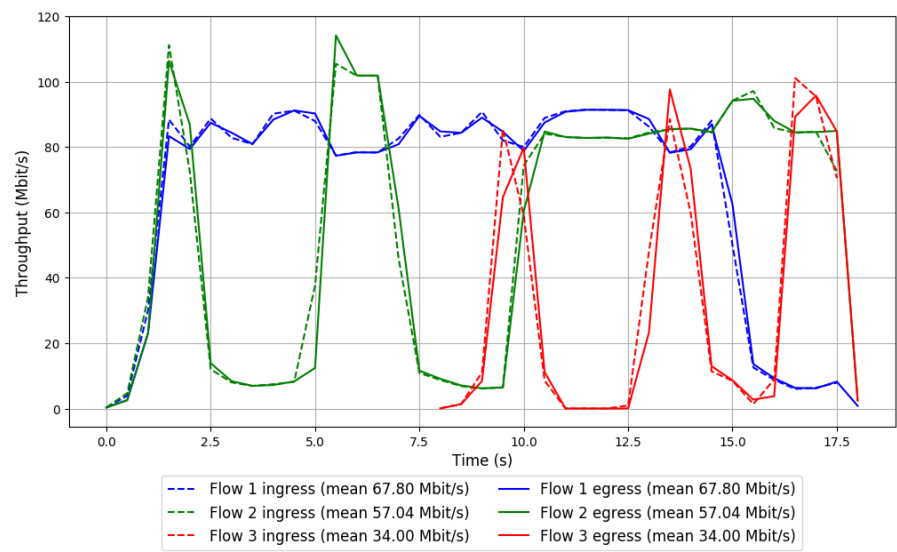
End at: 2017-09-18 05:59:50

Local clock offset: 0.119 ms

Remote clock offset: -3.587 ms



Run 9: Report of QUIC Cubic — Data Link

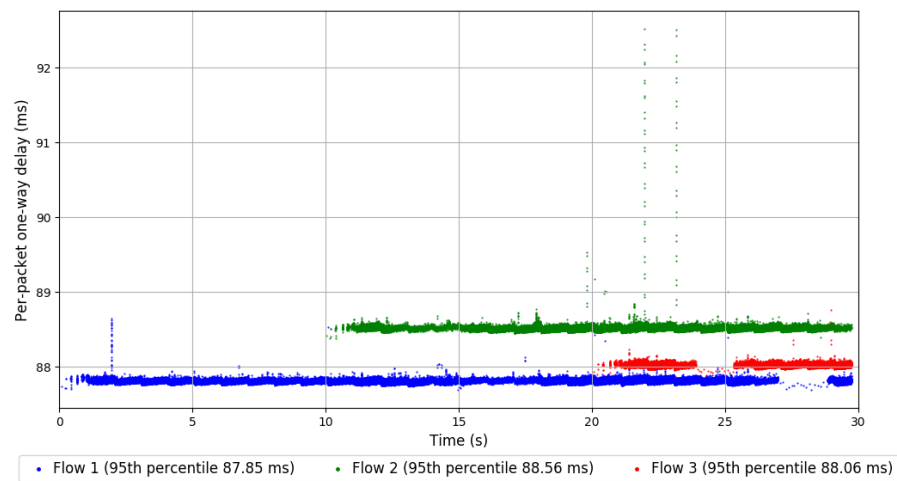
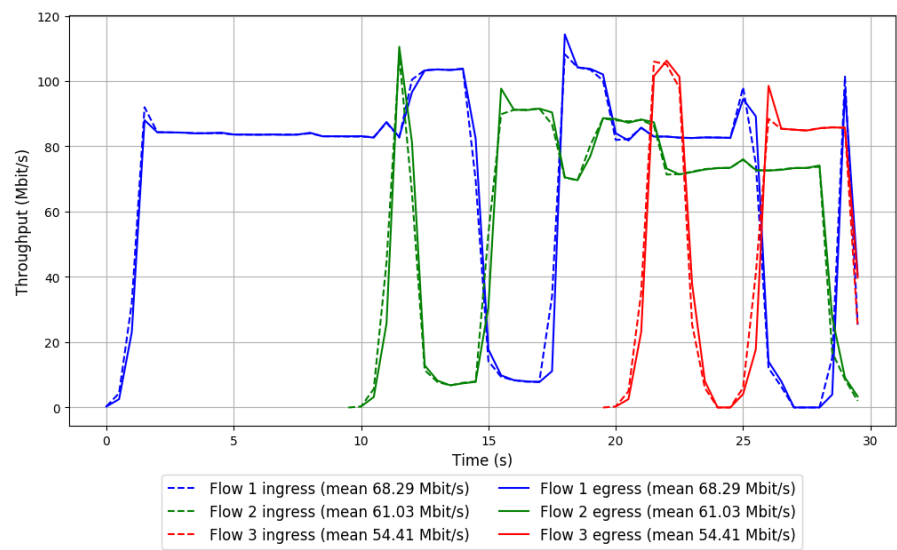


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-18 06:21:18  
End at: 2017-09-18 06:21:48  
Local clock offset: 0.156 ms  
Remote clock offset: -2.296 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 126.63 Mbit/s  
95th percentile per-packet one-way delay: 88.542 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.29 Mbit/s  
95th percentile per-packet one-way delay: 87.846 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.03 Mbit/s  
95th percentile per-packet one-way delay: 88.555 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 54.41 Mbit/s  
95th percentile per-packet one-way delay: 88.062 ms  
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

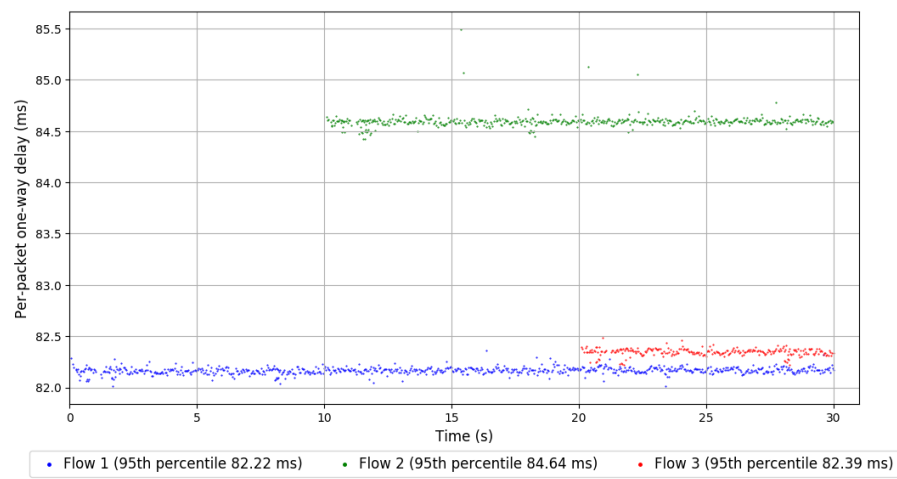
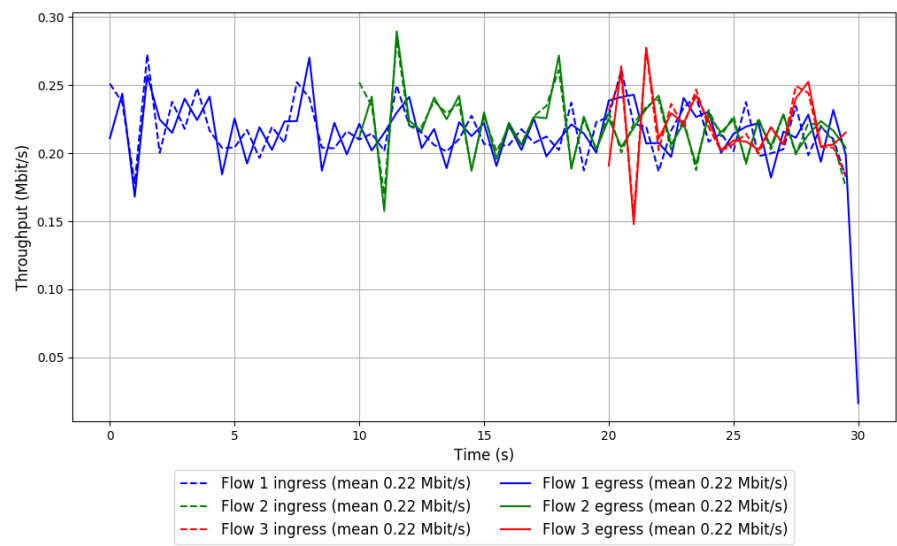


Run 1: Statistics of SReAM

Start at: 2017-09-18 03:07:16  
End at: 2017-09-18 03:07:46  
Local clock offset: -1.414 ms  
Remote clock offset: -6.233 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 84.616 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.215 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.645 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.394 ms  
Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link

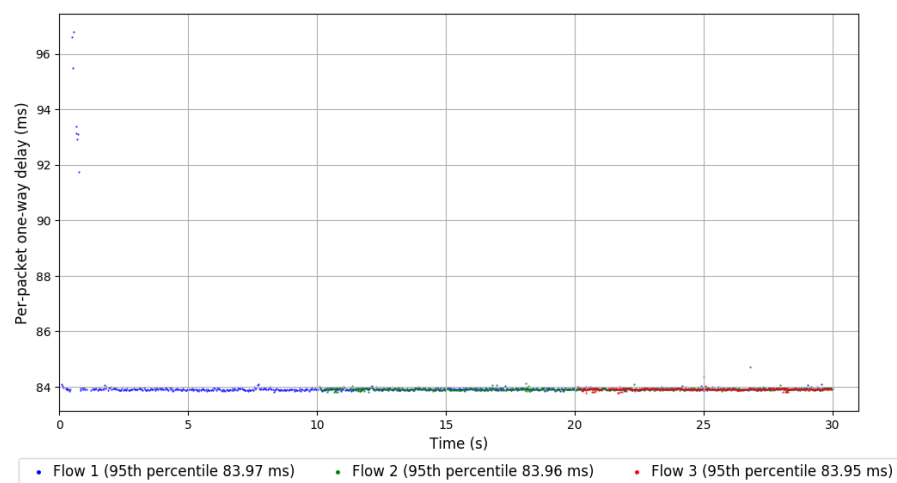
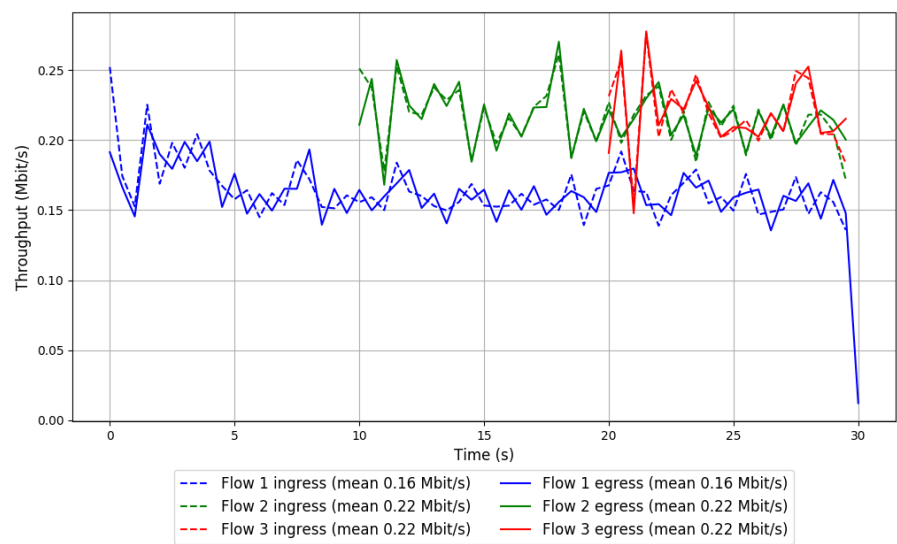


Run 2: Statistics of SReAM

Start at: 2017-09-18 03:29:18  
End at: 2017-09-18 03:29:48  
Local clock offset: -1.243 ms  
Remote clock offset: -6.302 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 83.964 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 83.973 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.960 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.950 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



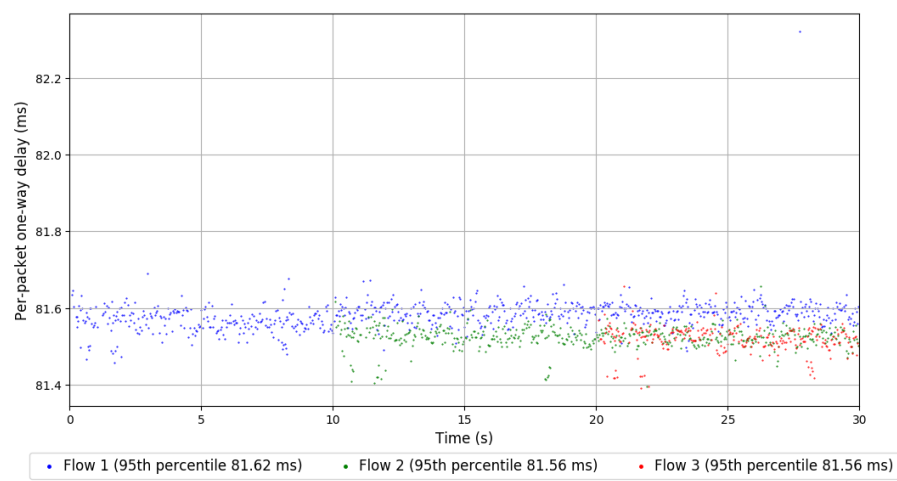
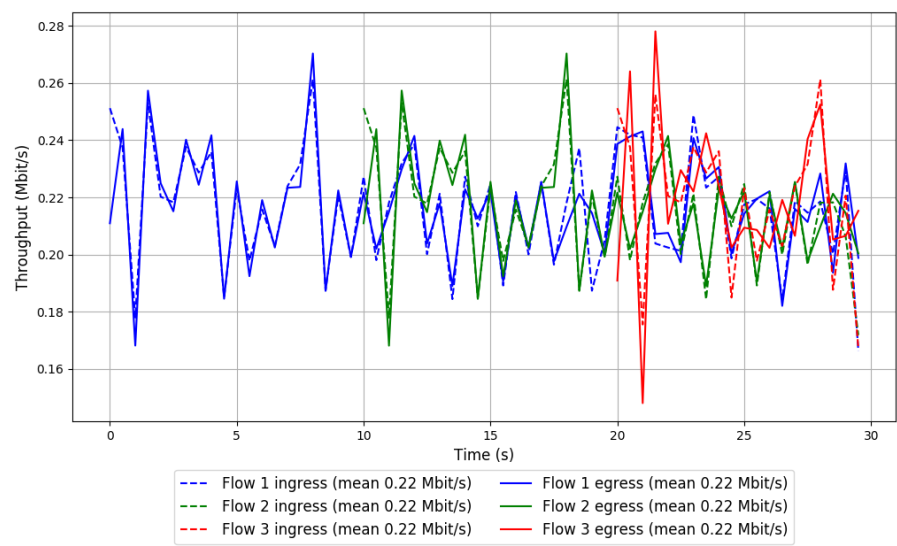
Run 3: Statistics of SReAM

Start at: 2017-09-18 03:51:21  
End at: 2017-09-18 03:51:51  
Local clock offset: -1.074 ms  
Remote clock offset: -6.952 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 81.615 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.625 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.563 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.557 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

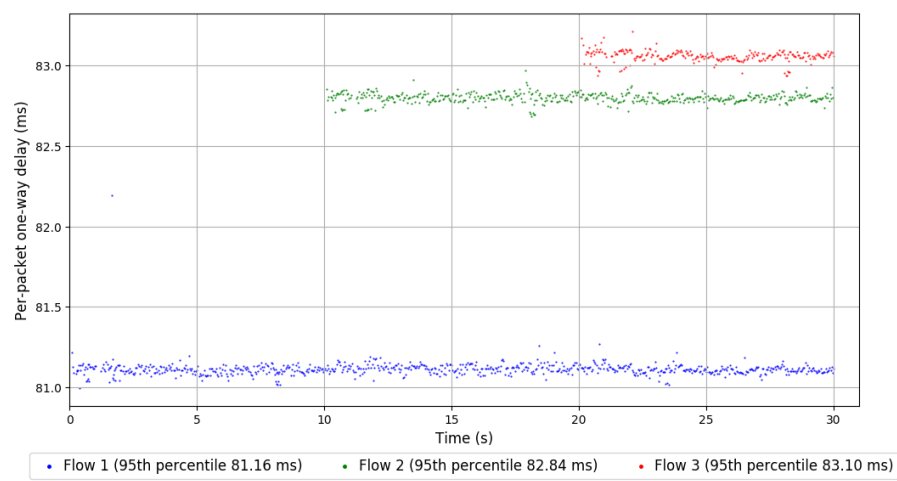
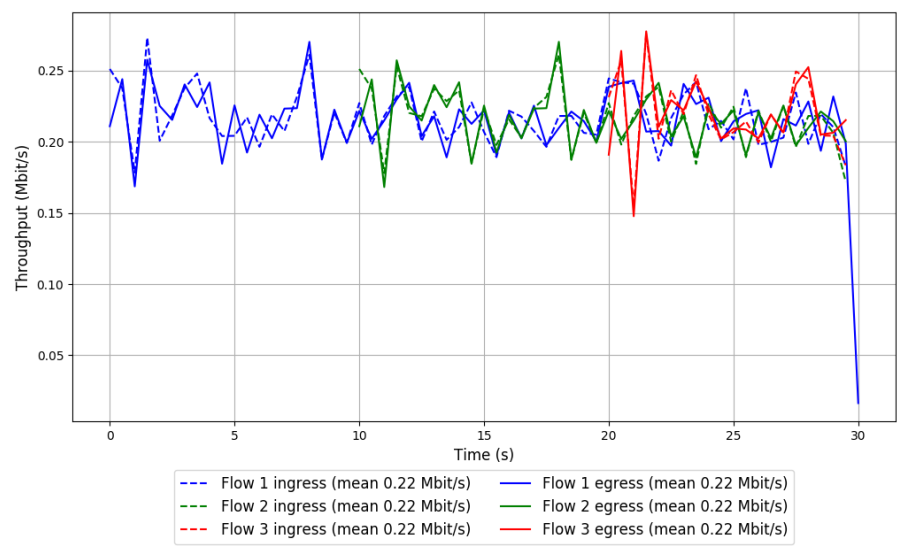


Run 4: Statistics of SReAM

Start at: 2017-09-18 04:13:05  
End at: 2017-09-18 04:13:35  
Local clock offset: -0.824 ms  
Remote clock offset: -7.488 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 83.074 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.157 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.844 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.101 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

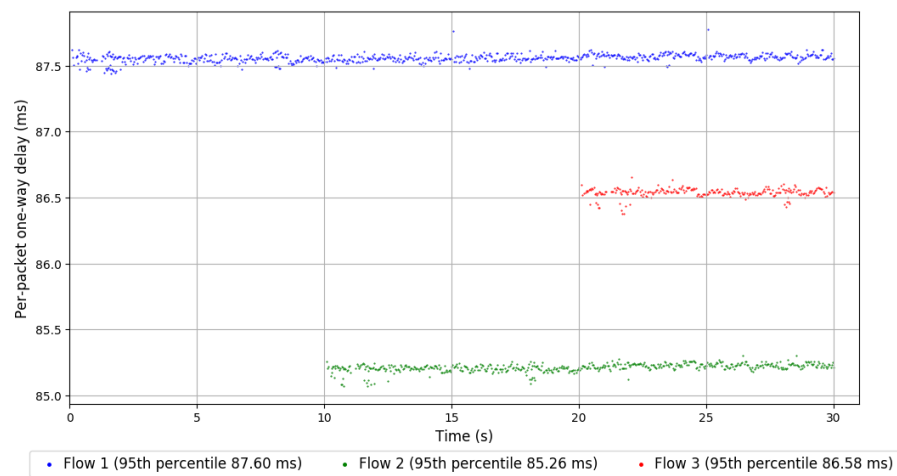
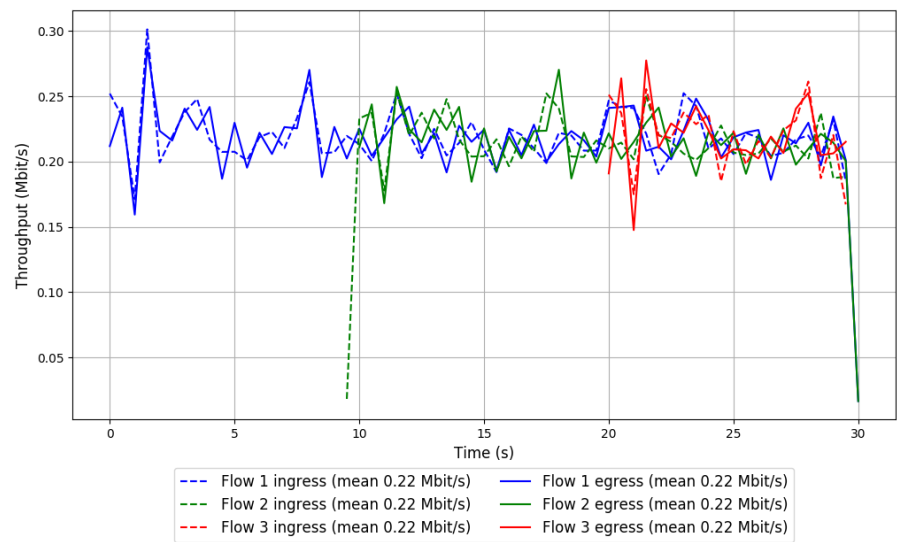


Run 5: Statistics of SReAM

Start at: 2017-09-18 04:34:53  
End at: 2017-09-18 04:35:23  
Local clock offset: -0.701 ms  
Remote clock offset: -3.935 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 87.592 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.600 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.256 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.579 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

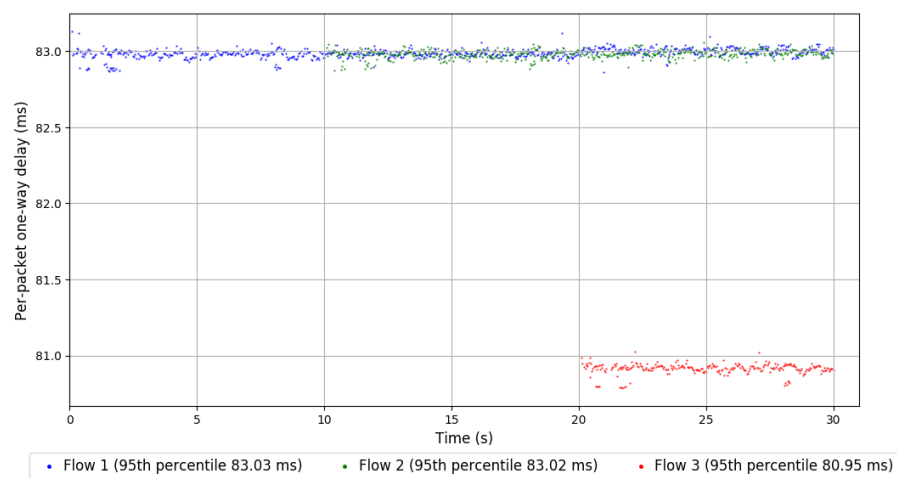
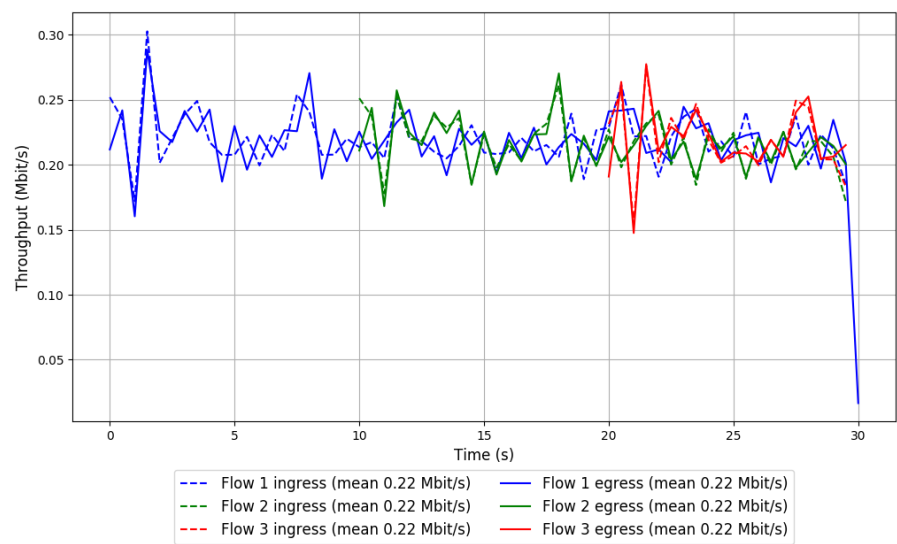


Run 6: Statistics of SReAM

Start at: 2017-09-18 04:56:51  
End at: 2017-09-18 04:57:21  
Local clock offset: -0.379 ms  
Remote clock offset: -7.882 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 83.026 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.030 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.023 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.955 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



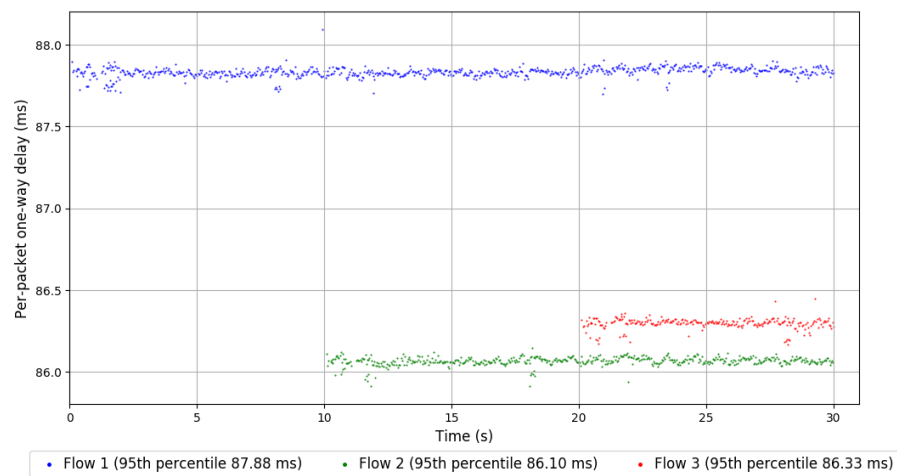
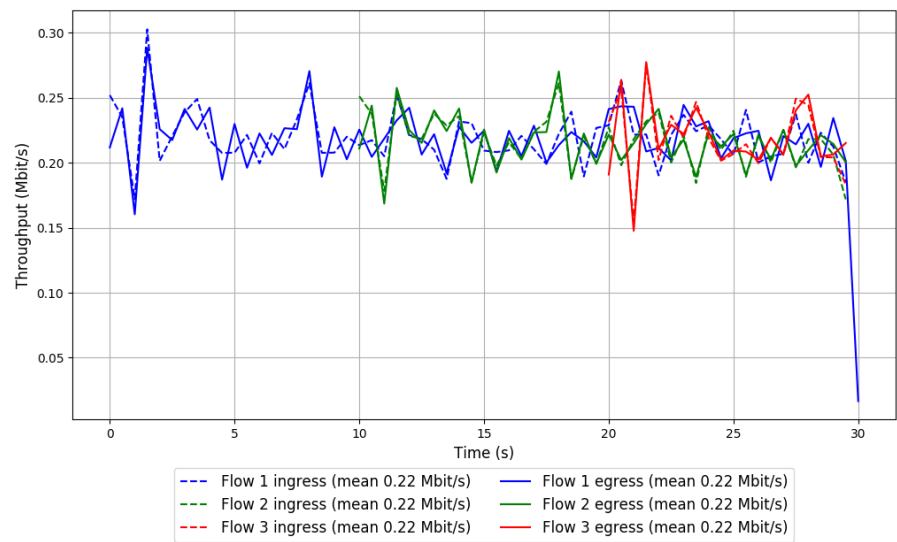
Run 7: Statistics of SReAM

Start at: 2017-09-18 05:18:33  
End at: 2017-09-18 05:19:03  
Local clock offset: -0.113 ms  
Remote clock offset: -3.184 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 87.868 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.876 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.099 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.332 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

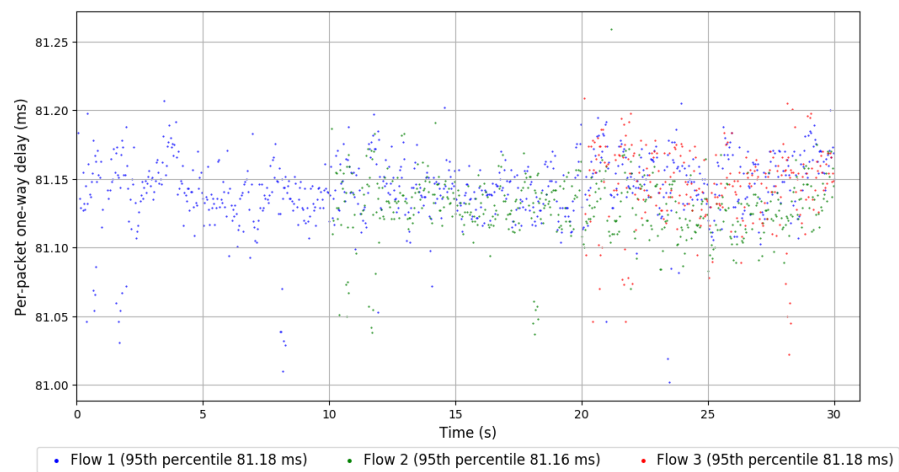
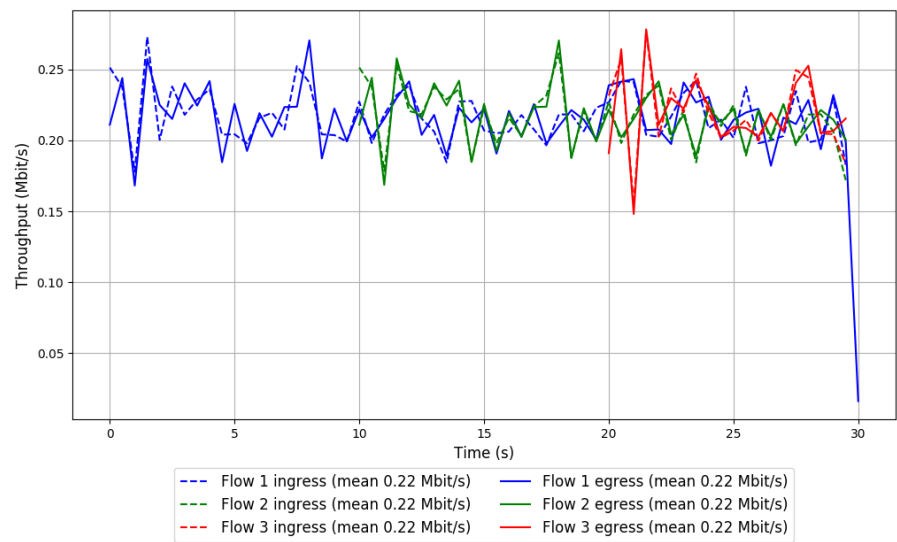


Run 8: Statistics of SReAM

Start at: 2017-09-18 05:40:24  
End at: 2017-09-18 05:40:54  
Local clock offset: 0.049 ms  
Remote clock offset: -7.978 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 81.176 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.178 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.164 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.184 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

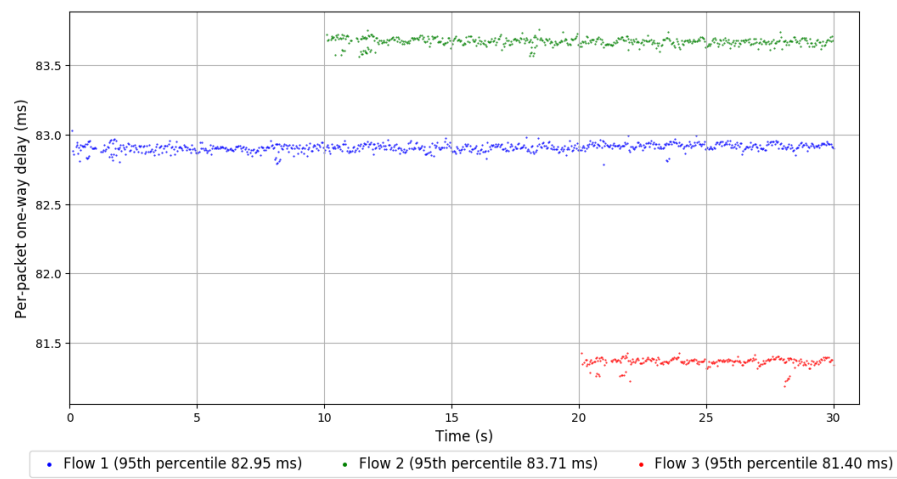
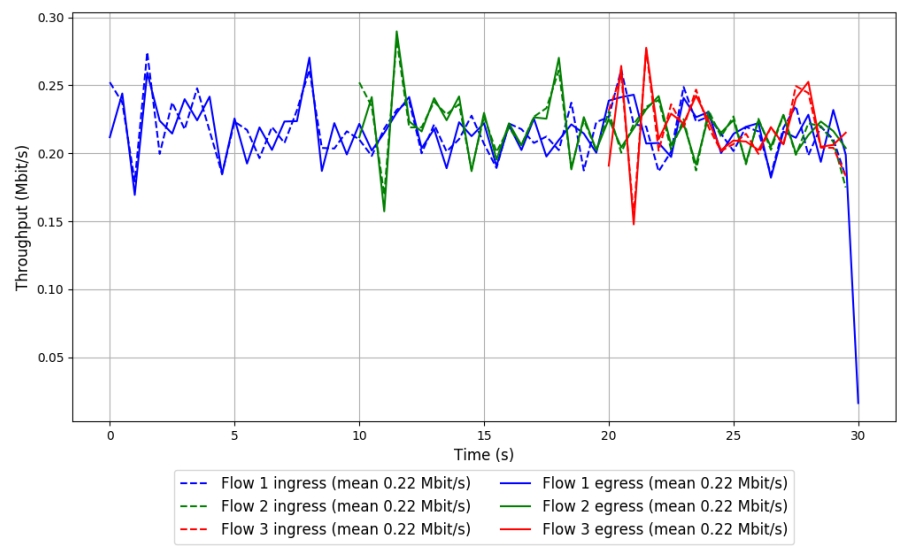


Run 9: Statistics of SReAM

Start at: 2017-09-18 06:02:10  
End at: 2017-09-18 06:02:40  
Local clock offset: 0.058 ms  
Remote clock offset: -7.588 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 83.700 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.950 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.713 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.397 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

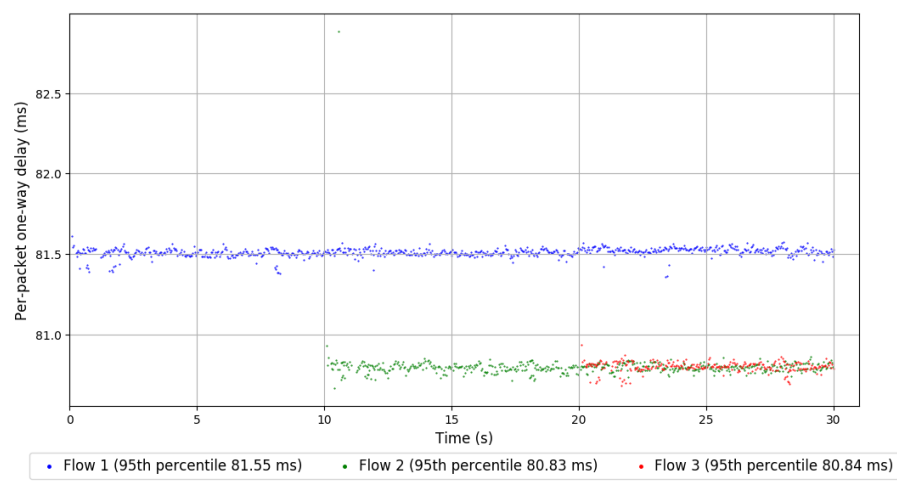
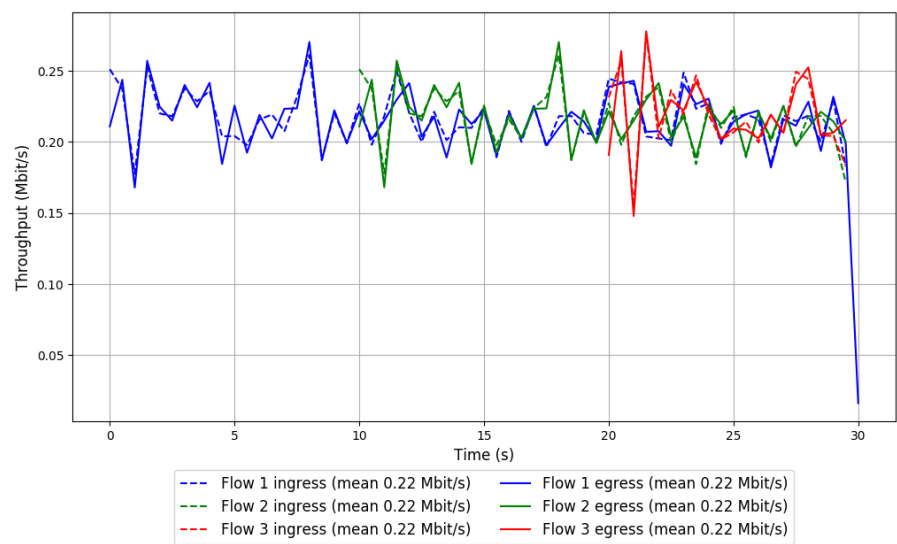


Run 10: Statistics of SReAM

Start at: 2017-09-18 06:24:06  
End at: 2017-09-18 06:24:36  
Local clock offset: 0.257 ms  
Remote clock offset: -7.521 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 81.540 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.547 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.833 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.842 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



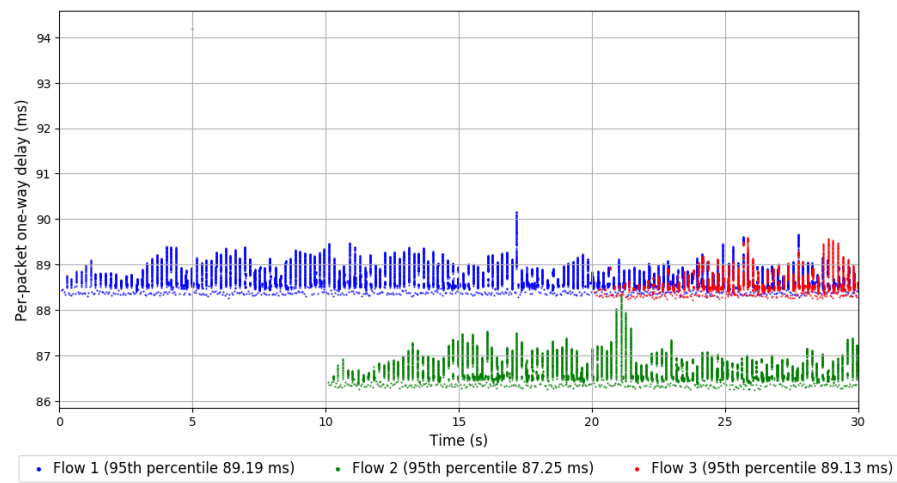
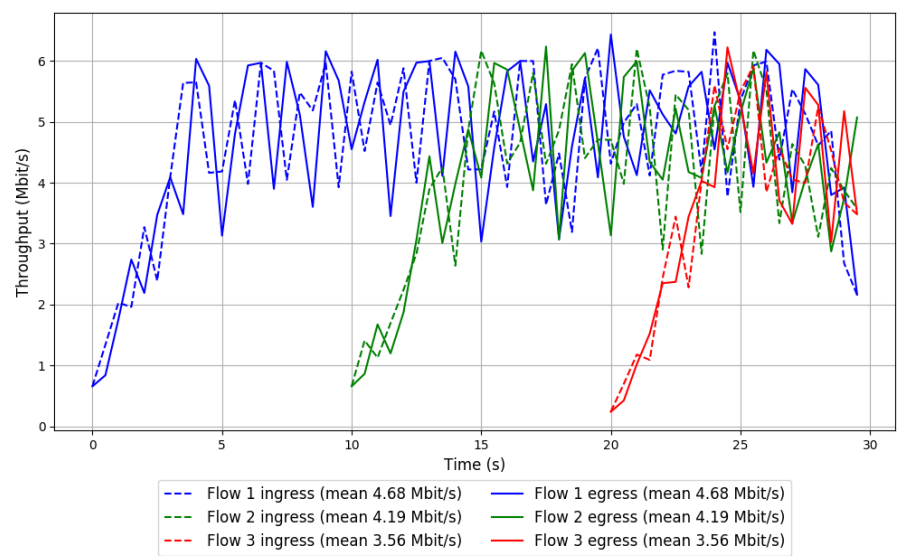
Run 1: Statistics of Sprout

Start at: 2017-09-18 03:14:13  
End at: 2017-09-18 03:14:43  
Local clock offset: -1.484 ms  
Remote clock offset: -2.067 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.63 Mbit/s  
95th percentile per-packet one-way delay: 89.125 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.68 Mbit/s  
95th percentile per-packet one-way delay: 89.192 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.19 Mbit/s  
95th percentile per-packet one-way delay: 87.252 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.56 Mbit/s  
95th percentile per-packet one-way delay: 89.133 ms  
Loss rate: 0.00%



Run 1: Report of Sprout — Data Link

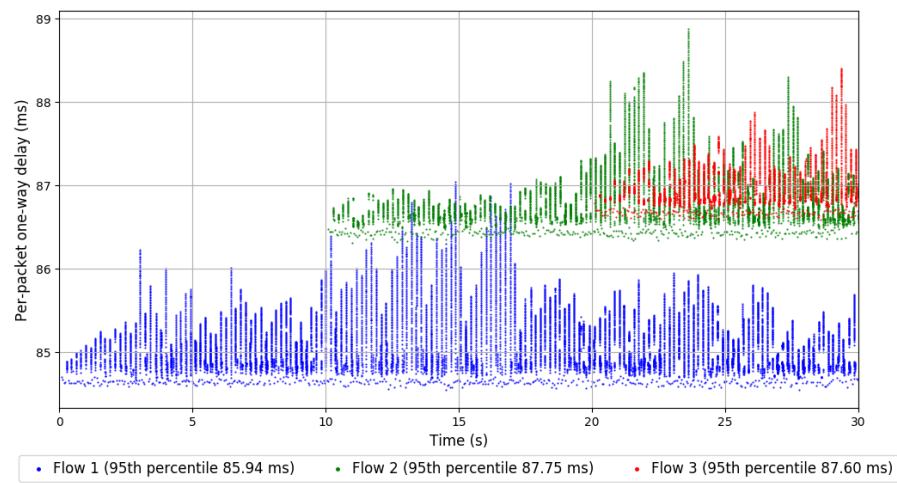
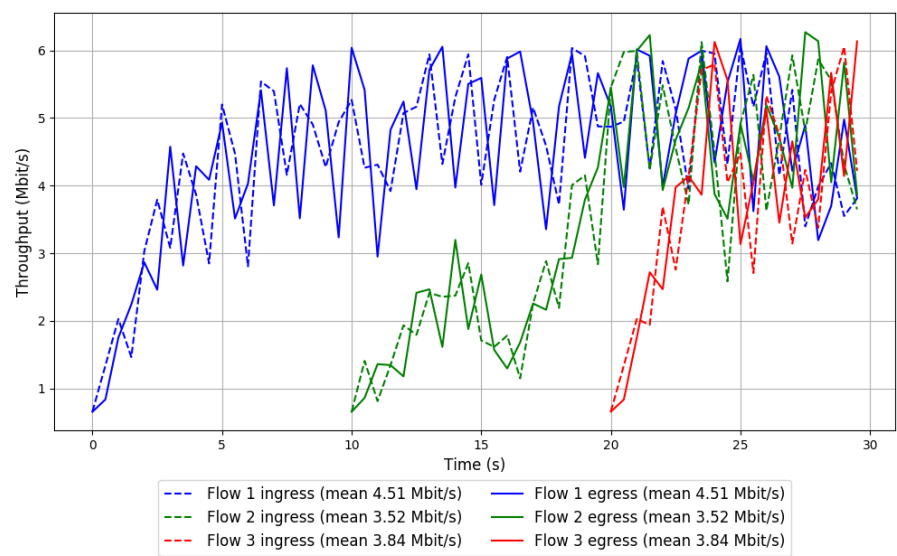


## Run 2: Statistics of Sprout

Start at: 2017-09-18 03:36:15  
End at: 2017-09-18 03:36:45  
Local clock offset: -1.22 ms  
Remote clock offset: -3.689 ms

```
# Below is generated by plot.py at 2017-09-18 08:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 87.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 85.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 87.745 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 87.600 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

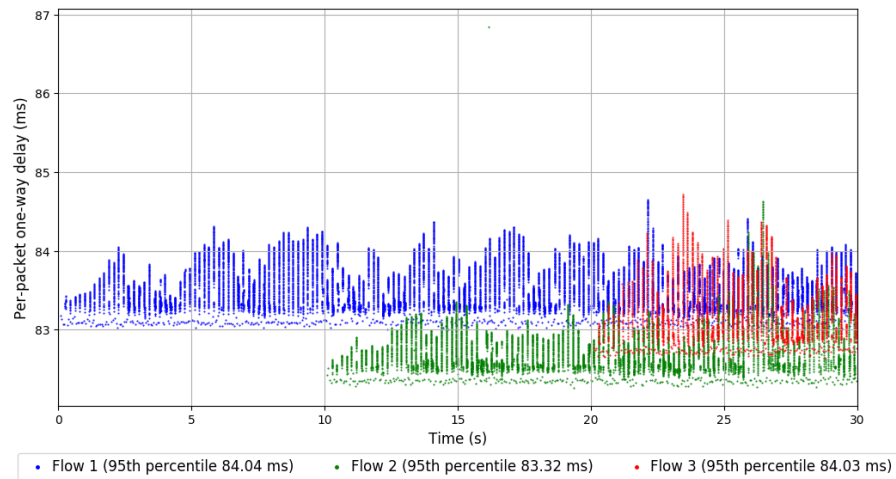
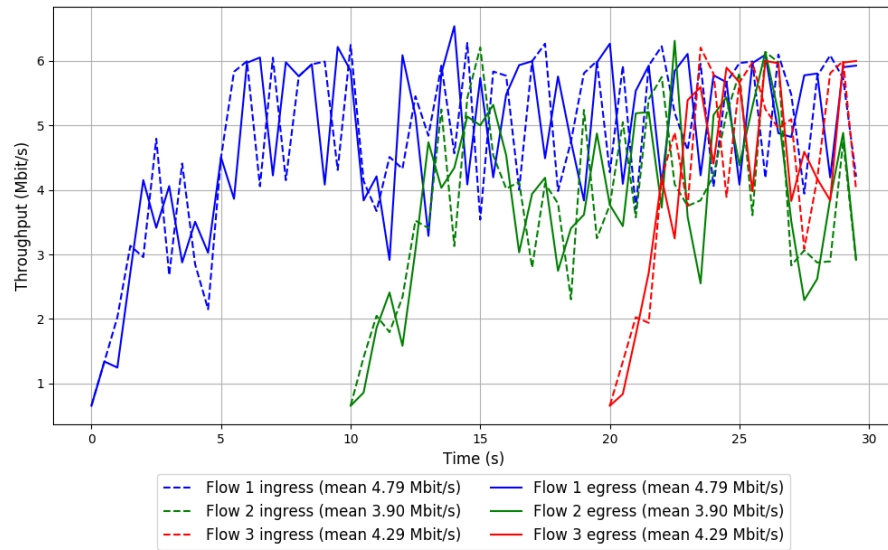


### Run 3: Statistics of Sprout

Start at: 2017-09-18 03:58:12  
End at: 2017-09-18 03:58:42  
Local clock offset: -1.026 ms  
Remote clock offset: -6.105 ms

```
# Below is generated by plot.py at 2017-09-18 08:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 83.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 84.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 83.316 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 84.031 ms
Loss rate: 0.00%
```

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

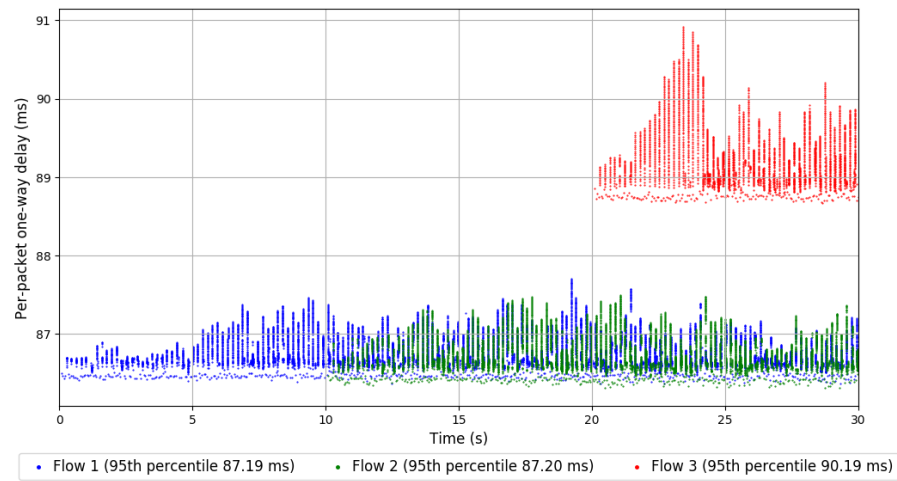
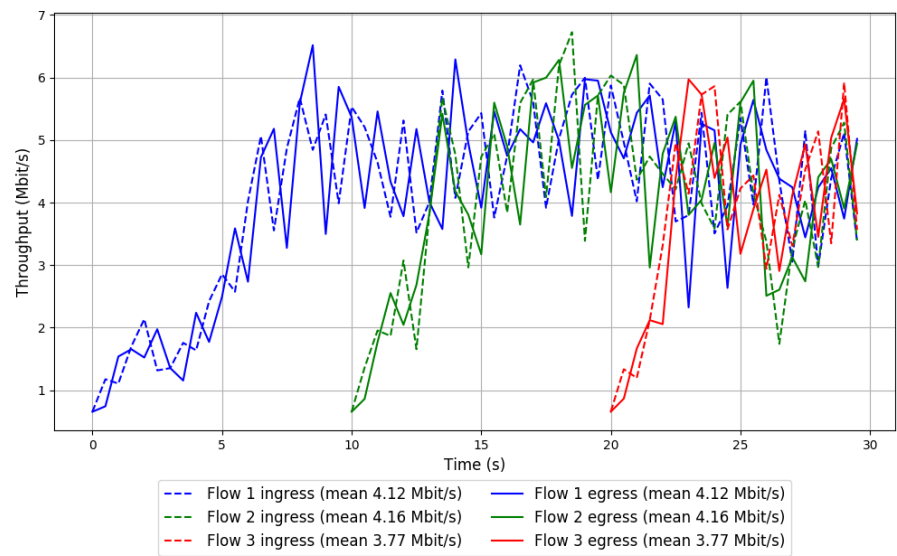


#### Run 4: Statistics of Sprout

Start at: 2017-09-18 04:20:04  
End at: 2017-09-18 04:20:34  
Local clock offset: -0.795 ms  
Remote clock offset: -2.261 ms

```
# Below is generated by plot.py at 2017-09-18 08:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 89.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 87.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 87.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 90.194 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



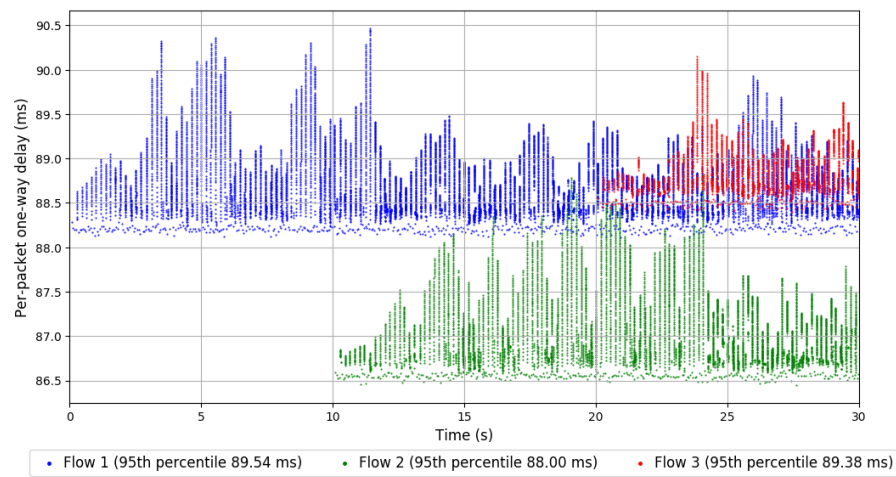
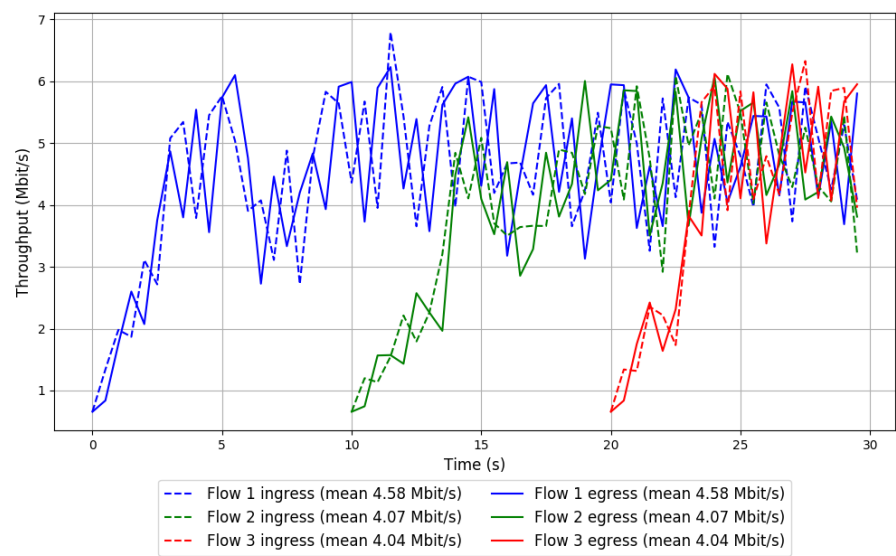
Run 5: Statistics of Sprout

Start at: 2017-09-18 04:41:42  
End at: 2017-09-18 04:42:12  
Local clock offset: -0.637 ms  
Remote clock offset: -2.273 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.61 Mbit/s  
95th percentile per-packet one-way delay: 89.360 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.58 Mbit/s  
95th percentile per-packet one-way delay: 89.536 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.07 Mbit/s  
95th percentile per-packet one-way delay: 88.001 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.04 Mbit/s  
95th percentile per-packet one-way delay: 89.375 ms  
Loss rate: 0.00%



Run 5: Report of Sprout — Data Link

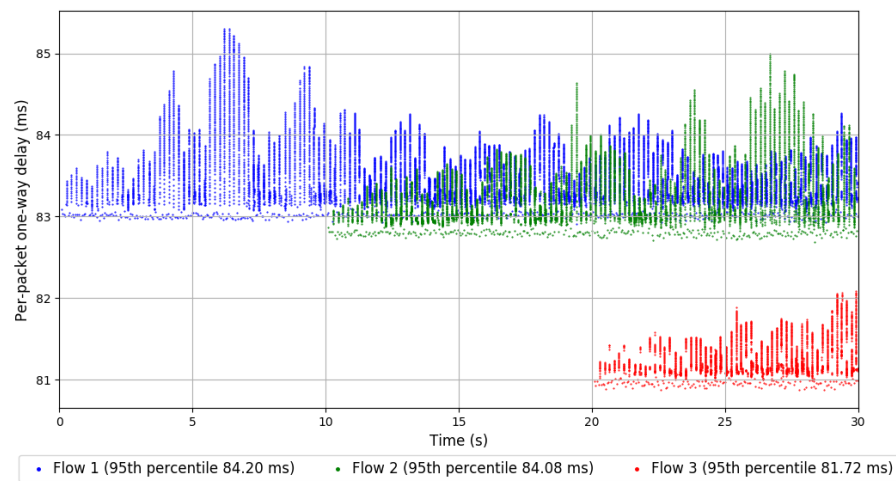
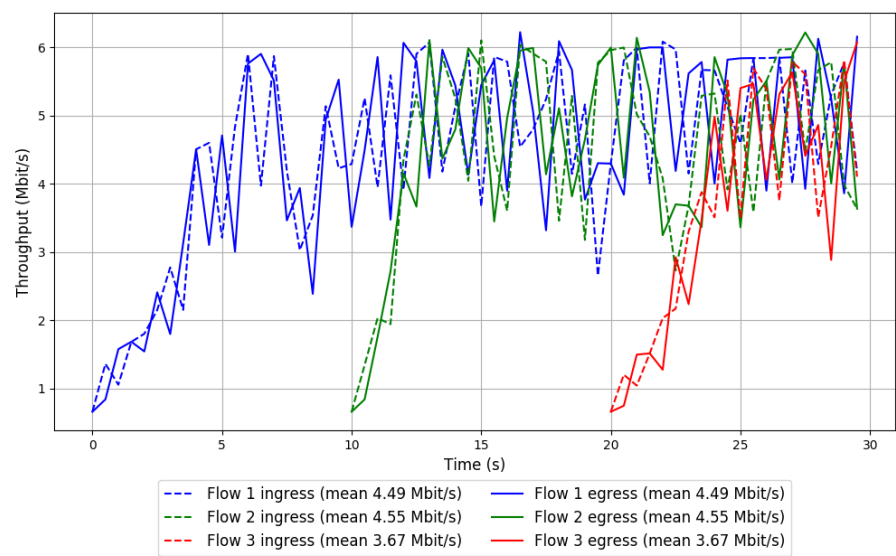


Run 6: Statistics of Sprout

Start at: 2017-09-18 05:03:41  
End at: 2017-09-18 05:04:11  
Local clock offset: -0.217 ms  
Remote clock offset: -8.017 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.73 Mbit/s  
95th percentile per-packet one-way delay: 84.104 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.49 Mbit/s  
95th percentile per-packet one-way delay: 84.196 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.55 Mbit/s  
95th percentile per-packet one-way delay: 84.077 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.67 Mbit/s  
95th percentile per-packet one-way delay: 81.719 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

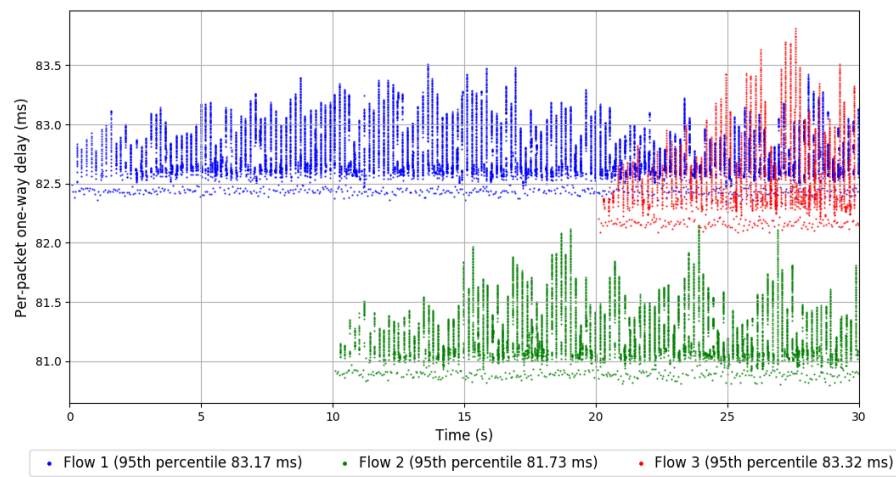
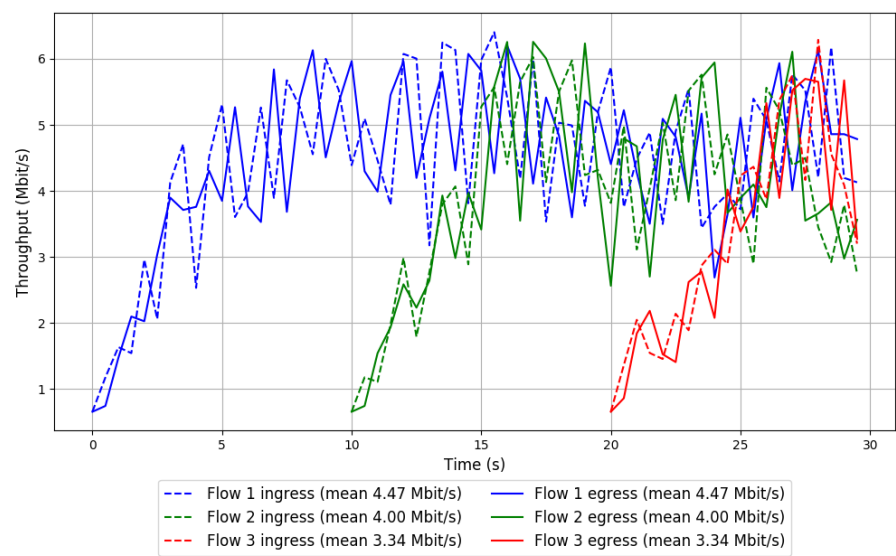


Run 7: Statistics of Sprout

Start at: 2017-09-18 05:25:25  
End at: 2017-09-18 05:25:55  
Local clock offset: -0.047 ms  
Remote clock offset: -8.439 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.23 Mbit/s  
95th percentile per-packet one-way delay: 83.138 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.47 Mbit/s  
95th percentile per-packet one-way delay: 83.171 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.00 Mbit/s  
95th percentile per-packet one-way delay: 81.730 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 83.324 ms  
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

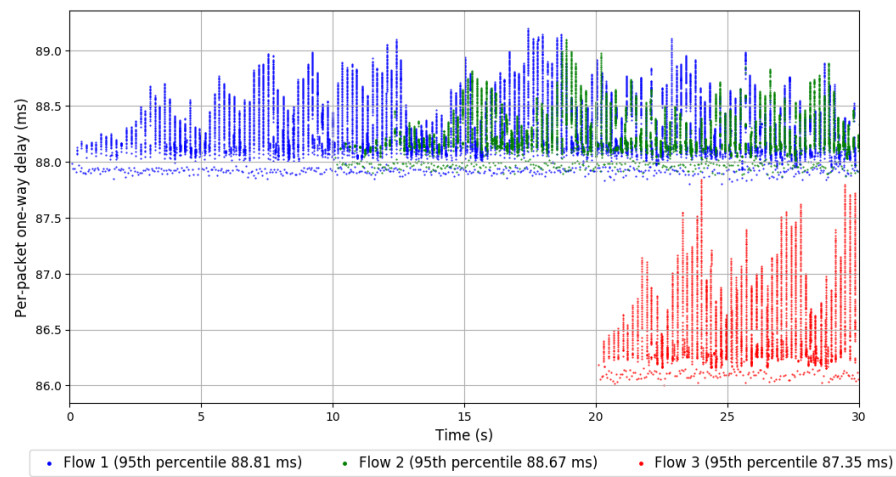
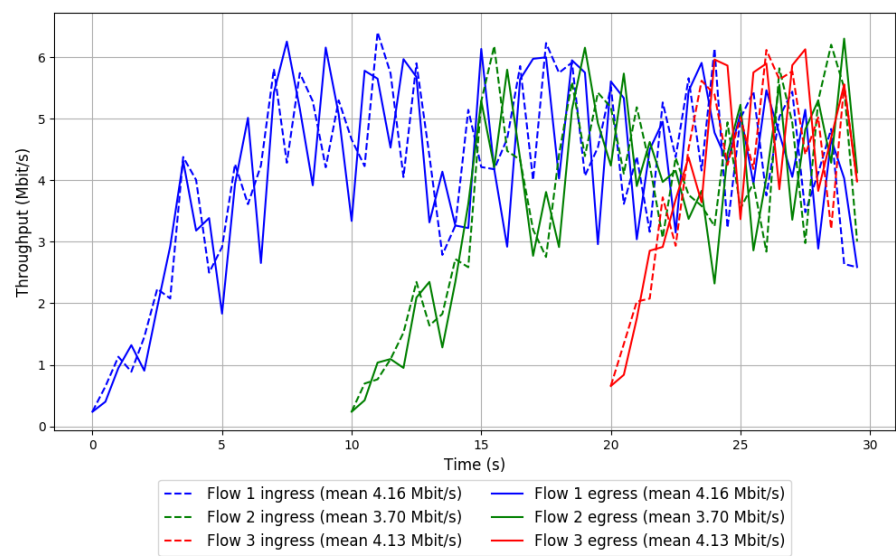


Run 8: Statistics of Sprout

Start at: 2017-09-18 05:47:13  
End at: 2017-09-18 05:47:43  
Local clock offset: 0.062 ms  
Remote clock offset: -2.667 ms

```
# Below is generated by plot.py at 2017-09-18 08:34:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 88.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 88.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 88.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 87.346 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



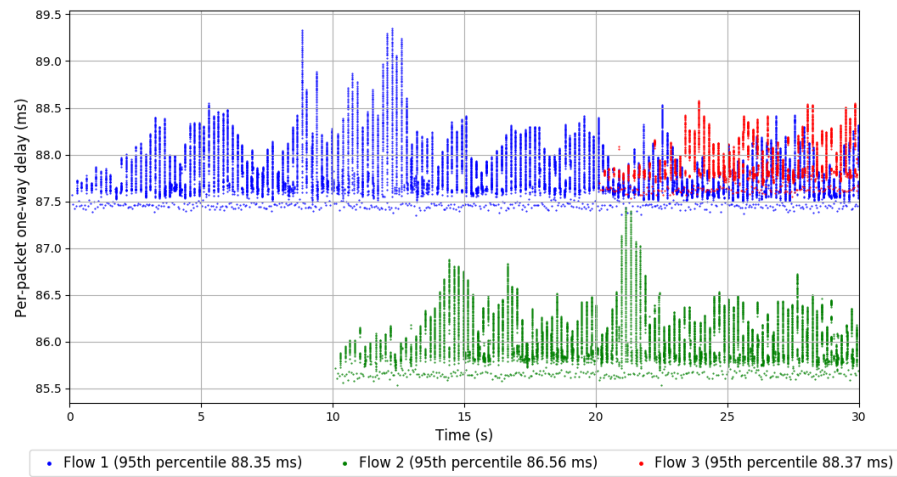
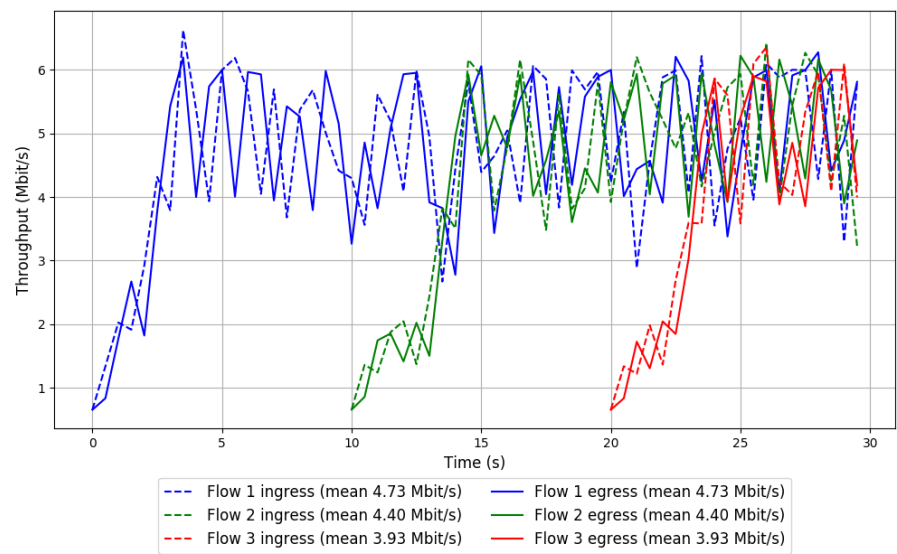
Run 9: Statistics of Sprout

Start at: 2017-09-18 06:09:05  
End at: 2017-09-18 06:09:35  
Local clock offset: 0.164 ms  
Remote clock offset: -2.761 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 8.95 Mbit/s  
95th percentile per-packet one-way delay: 88.292 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.73 Mbit/s  
95th percentile per-packet one-way delay: 88.354 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.40 Mbit/s  
95th percentile per-packet one-way delay: 86.560 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.93 Mbit/s  
95th percentile per-packet one-way delay: 88.371 ms  
Loss rate: 0.00%



Run 9: Report of Sprout — Data Link

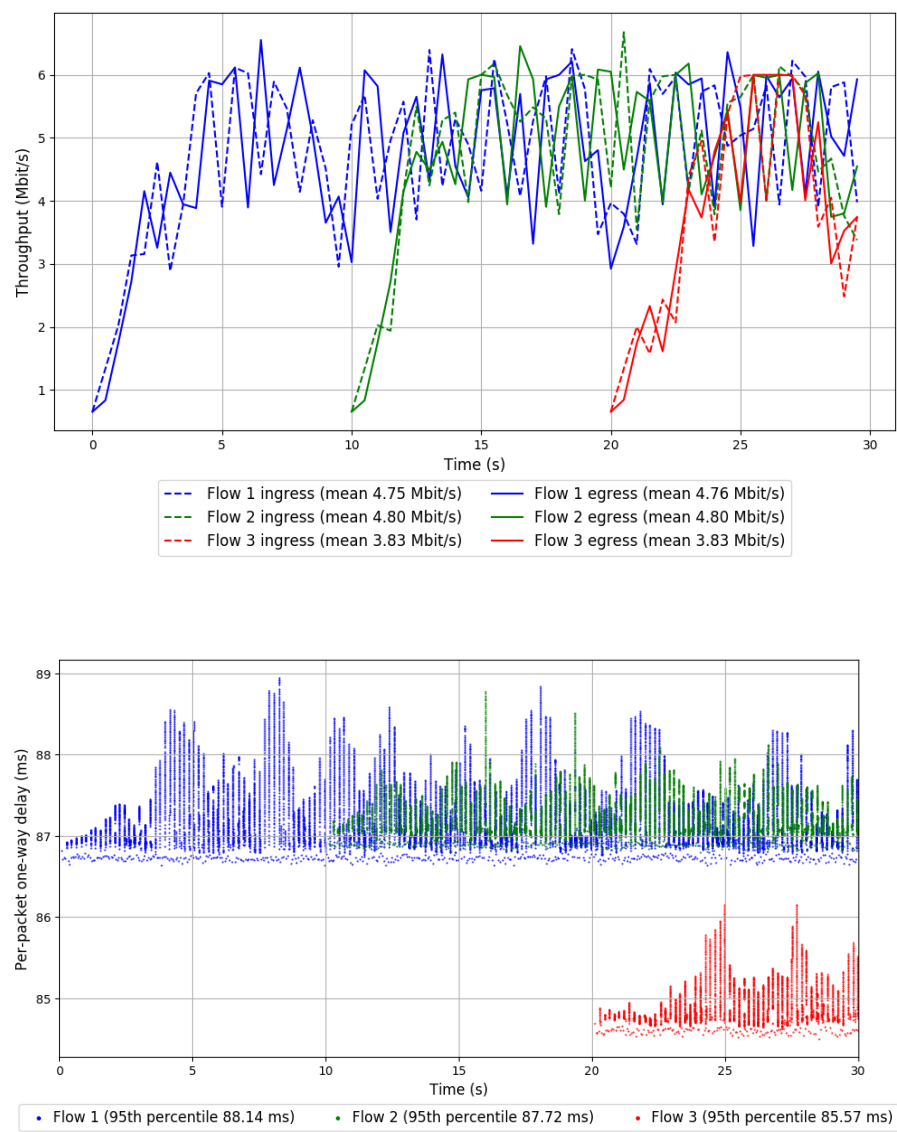


Run 10: Statistics of Sprout

Start at: 2017-09-18 06:30:52  
End at: 2017-09-18 06:31:22  
Local clock offset: 0.254 ms  
Remote clock offset: -3.513 ms

# Below is generated by plot.py at 2017-09-18 08:34:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 9.20 Mbit/s  
95th percentile per-packet one-way delay: 87.954 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.76 Mbit/s  
95th percentile per-packet one-way delay: 88.139 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.80 Mbit/s  
95th percentile per-packet one-way delay: 87.721 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.83 Mbit/s  
95th percentile per-packet one-way delay: 85.569 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

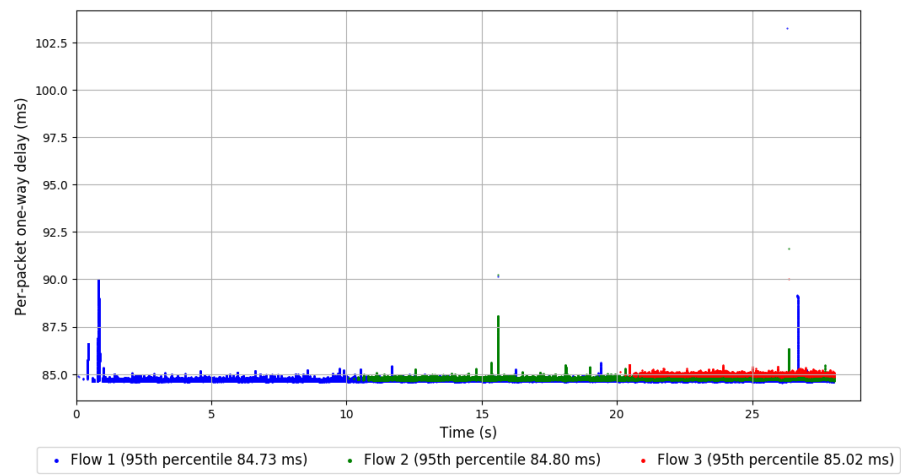
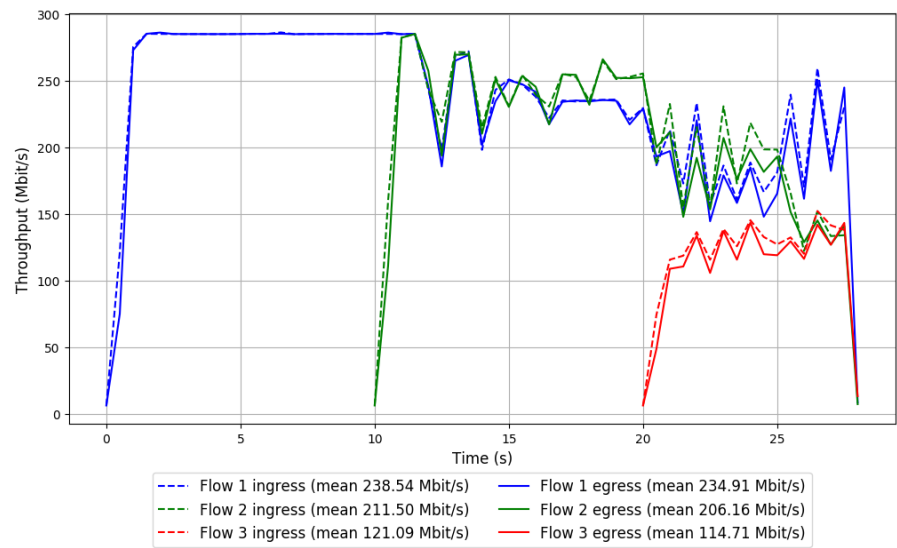


Run 1: Statistics of TaoVA-100x

Start at: 2017-09-18 03:17:19  
End at: 2017-09-18 03:17:49  
Local clock offset: -1.419 ms  
Remote clock offset: -3.667 ms

# Below is generated by plot.py at 2017-09-18 08:42:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 399.51 Mbit/s  
95th percentile per-packet one-way delay: 84.961 ms  
Loss rate: 2.17%  
-- Flow 1:  
Average throughput: 234.91 Mbit/s  
95th percentile per-packet one-way delay: 84.727 ms  
Loss rate: 1.52%  
-- Flow 2:  
Average throughput: 206.16 Mbit/s  
95th percentile per-packet one-way delay: 84.801 ms  
Loss rate: 2.52%  
-- Flow 3:  
Average throughput: 114.71 Mbit/s  
95th percentile per-packet one-way delay: 85.018 ms  
Loss rate: 5.27%

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

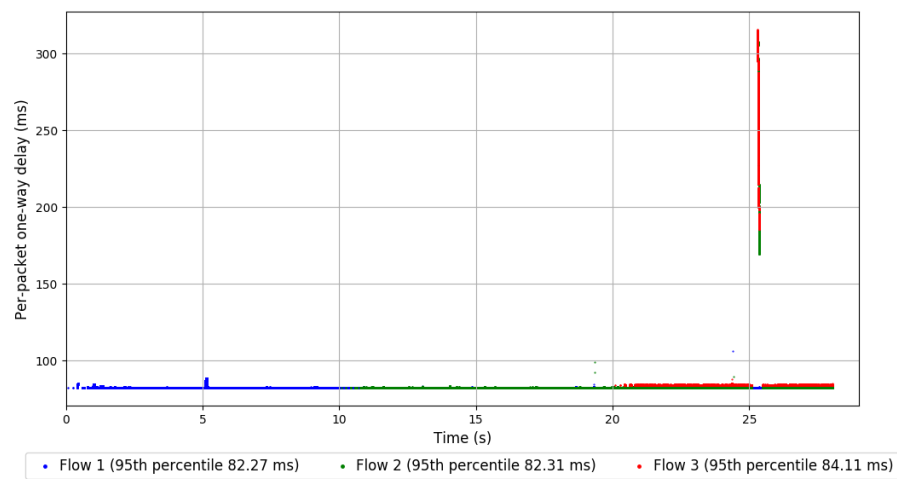
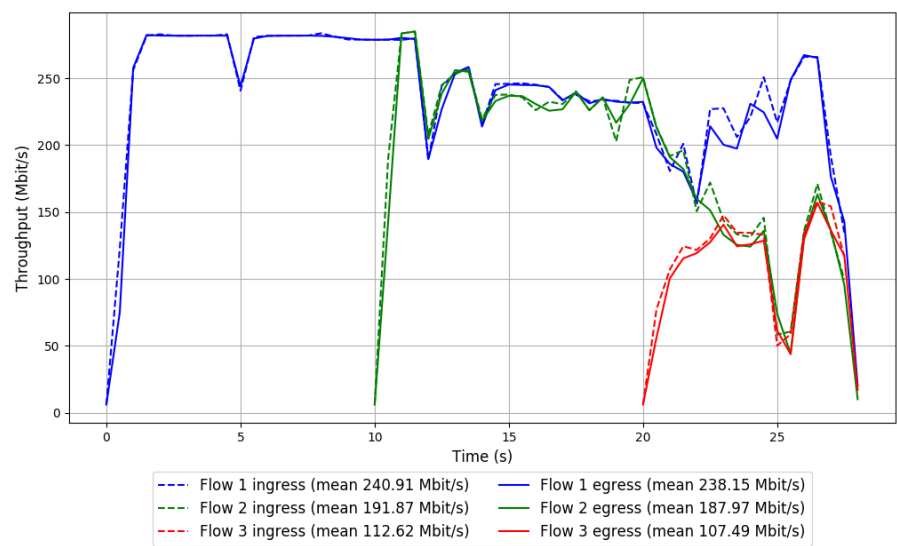


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-18 03:39:13  
End at: 2017-09-18 03:39:43  
Local clock offset: -1.174 ms  
Remote clock offset: -6.433 ms

# Below is generated by plot.py at 2017-09-18 08:42:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 389.35 Mbit/s  
95th percentile per-packet one-way delay: 84.018 ms  
Loss rate: 1.70%  
-- Flow 1:  
Average throughput: 238.15 Mbit/s  
95th percentile per-packet one-way delay: 82.269 ms  
Loss rate: 1.15%  
-- Flow 2:  
Average throughput: 187.97 Mbit/s  
95th percentile per-packet one-way delay: 82.312 ms  
Loss rate: 2.03%  
-- Flow 3:  
Average throughput: 107.49 Mbit/s  
95th percentile per-packet one-way delay: 84.107 ms  
Loss rate: 4.56%

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



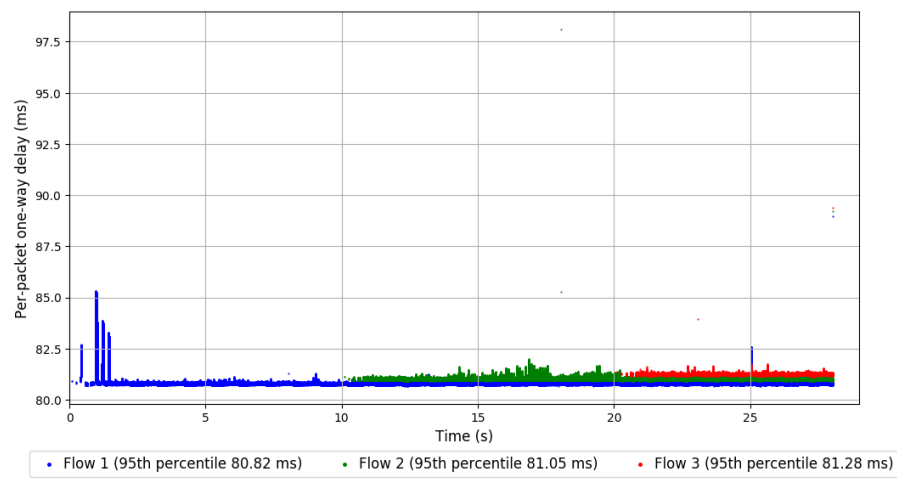
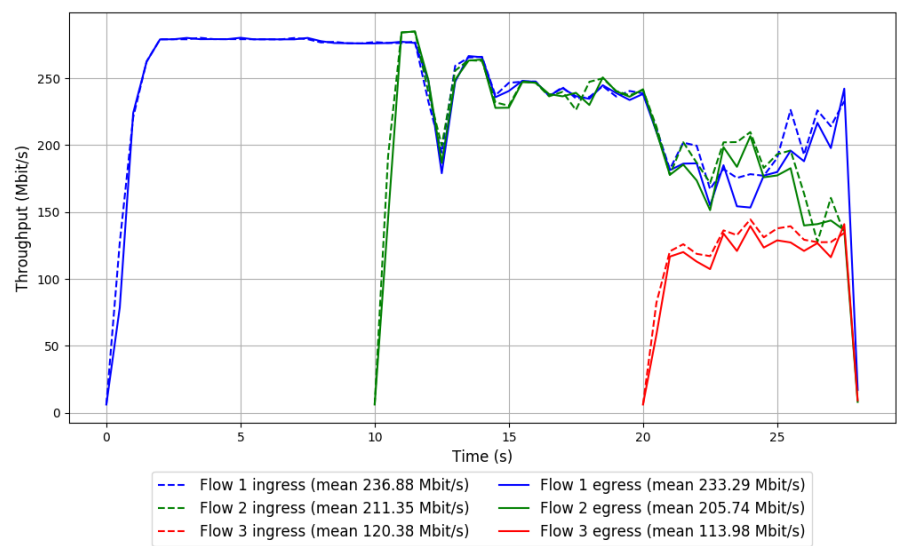
Run 3: Statistics of TaoVA-100x

Start at: 2017-09-18 04:01:09  
End at: 2017-09-18 04:01:39  
Local clock offset: -0.988 ms  
Remote clock offset: -7.736 ms

# Below is generated by plot.py at 2017-09-18 08:42:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 397.71 Mbit/s  
95th percentile per-packet one-way delay: 81.238 ms  
Loss rate: 2.21%  
-- Flow 1:  
Average throughput: 233.29 Mbit/s  
95th percentile per-packet one-way delay: 80.824 ms  
Loss rate: 1.52%  
-- Flow 2:  
Average throughput: 205.74 Mbit/s  
95th percentile per-packet one-way delay: 81.048 ms  
Loss rate: 2.65%  
-- Flow 3:  
Average throughput: 113.98 Mbit/s  
95th percentile per-packet one-way delay: 81.282 ms  
Loss rate: 5.32%



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

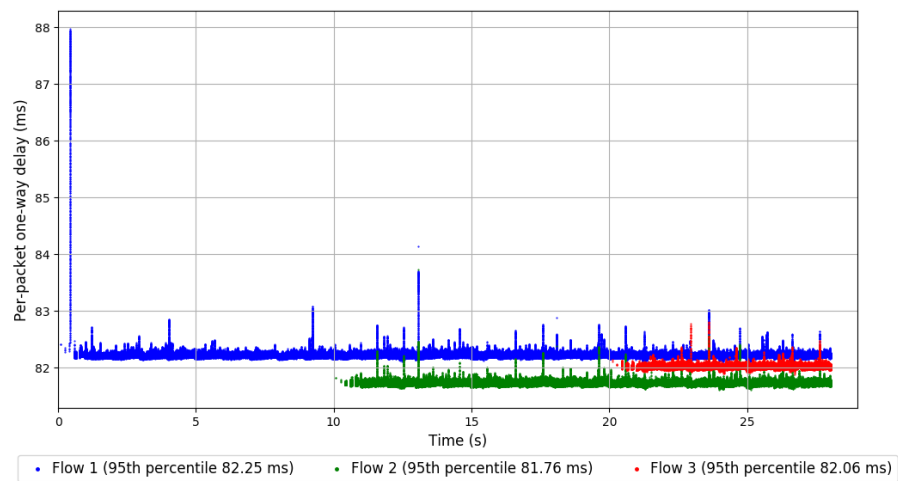
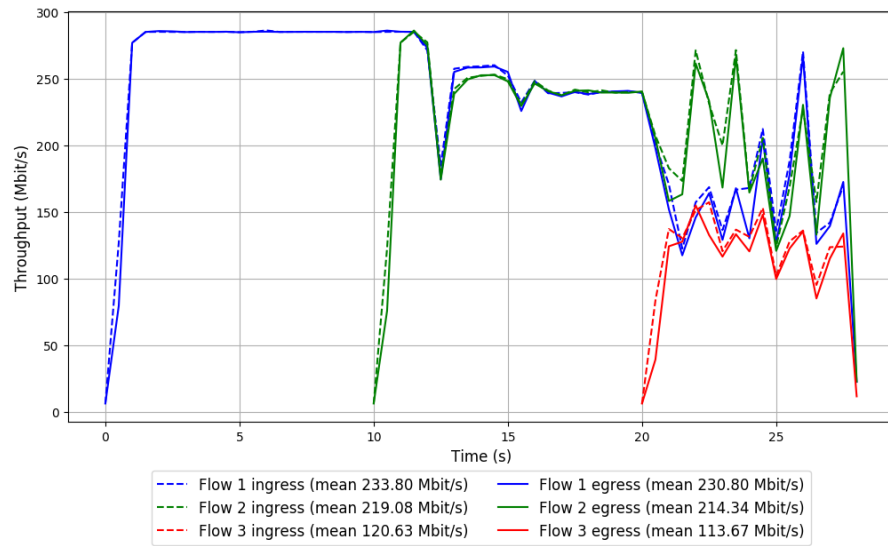


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-18 04:23:05  
End at: 2017-09-18 04:23:35  
Local clock offset: -0.713 ms  
Remote clock offset: -6.484 ms

# Below is generated by plot.py at 2017-09-18 08:43:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 400.70 Mbit/s  
95th percentile per-packet one-way delay: 82.247 ms  
Loss rate: 1.96%  
-- Flow 1:  
Average throughput: 230.80 Mbit/s  
95th percentile per-packet one-way delay: 82.255 ms  
Loss rate: 1.28%  
-- Flow 2:  
Average throughput: 214.34 Mbit/s  
95th percentile per-packet one-way delay: 81.763 ms  
Loss rate: 2.16%  
-- Flow 3:  
Average throughput: 113.67 Mbit/s  
95th percentile per-packet one-way delay: 82.062 ms  
Loss rate: 5.77%

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

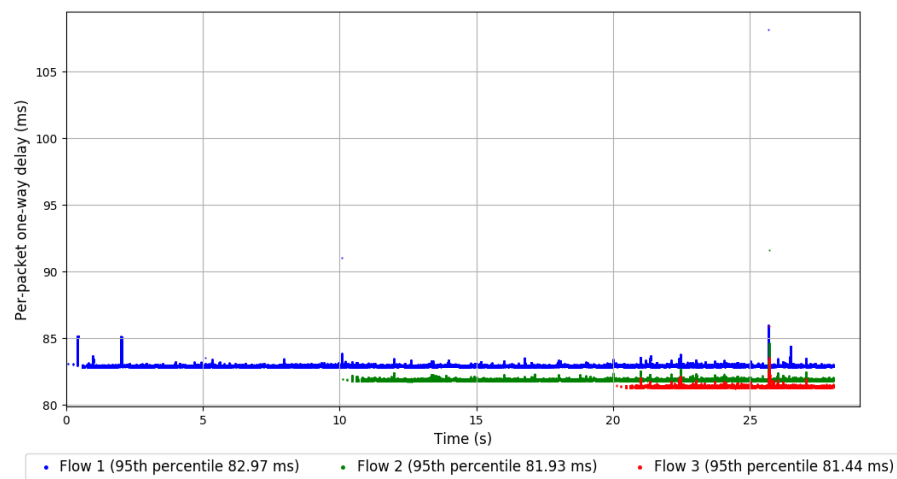
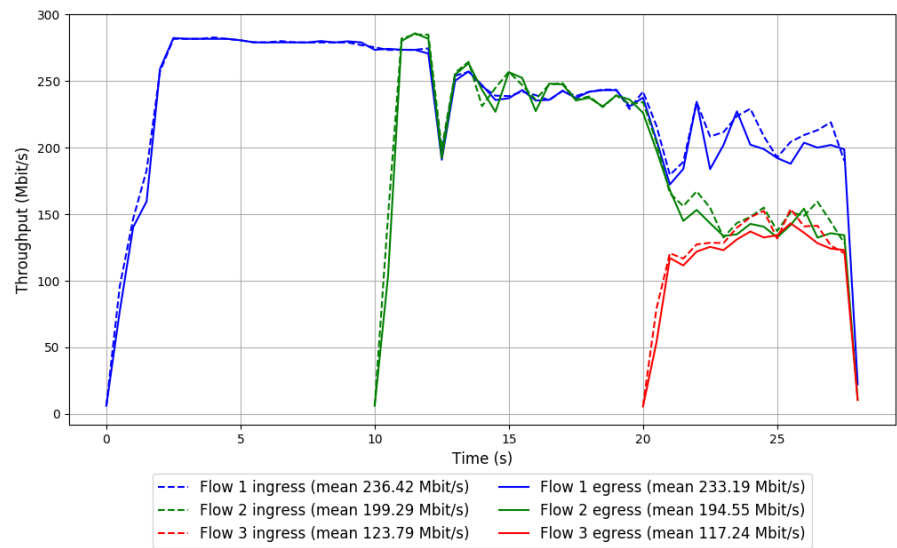


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-18 04:44:51  
End at: 2017-09-18 04:45:21  
Local clock offset: -0.524 ms  
Remote clock offset: -7.657 ms

# Below is generated by plot.py at 2017-09-18 08:43:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 391.19 Mbit/s  
95th percentile per-packet one-way delay: 82.963 ms  
Loss rate: 2.03%  
-- Flow 1:  
Average throughput: 233.19 Mbit/s  
95th percentile per-packet one-way delay: 82.974 ms  
Loss rate: 1.36%  
-- Flow 2:  
Average throughput: 194.55 Mbit/s  
95th percentile per-packet one-way delay: 81.934 ms  
Loss rate: 2.38%  
-- Flow 3:  
Average throughput: 117.24 Mbit/s  
95th percentile per-packet one-way delay: 81.439 ms  
Loss rate: 5.29%

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

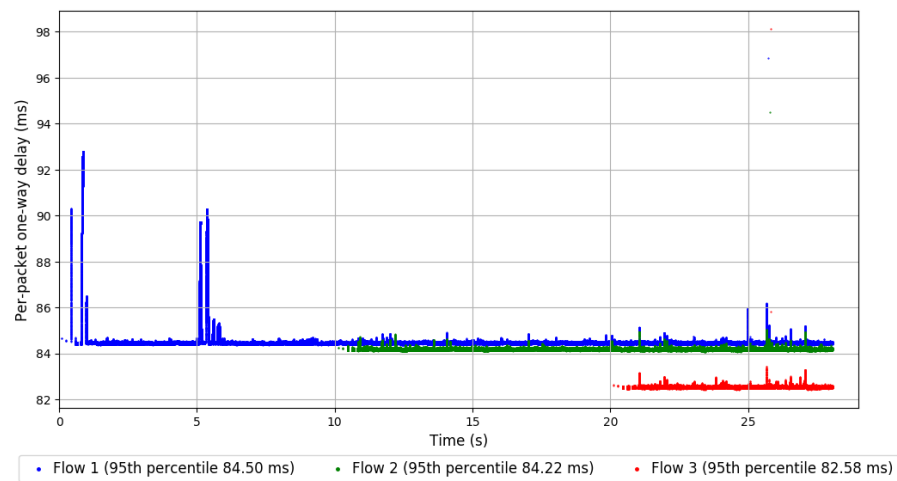
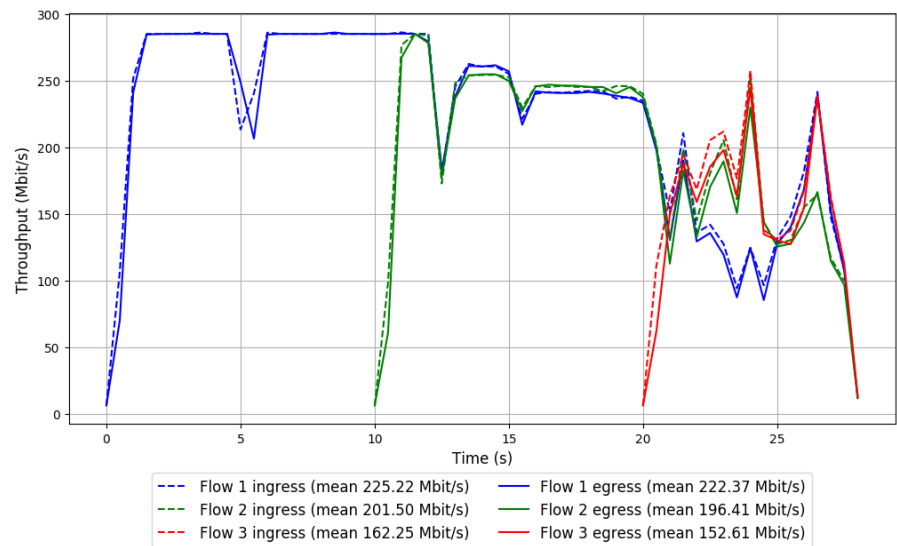


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-18 05:06:39  
End at: 2017-09-18 05:07:09  
Local clock offset: -0.262 ms  
Remote clock offset: -6.744 ms

# Below is generated by plot.py at 2017-09-18 08:43:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 391.65 Mbit/s  
95th percentile per-packet one-way delay: 84.490 ms  
Loss rate: 2.21%  
-- Flow 1:  
Average throughput: 222.37 Mbit/s  
95th percentile per-packet one-way delay: 84.500 ms  
Loss rate: 1.26%  
-- Flow 2:  
Average throughput: 196.41 Mbit/s  
95th percentile per-packet one-way delay: 84.224 ms  
Loss rate: 2.53%  
-- Flow 3:  
Average throughput: 152.61 Mbit/s  
95th percentile per-packet one-way delay: 82.580 ms  
Loss rate: 5.94%

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



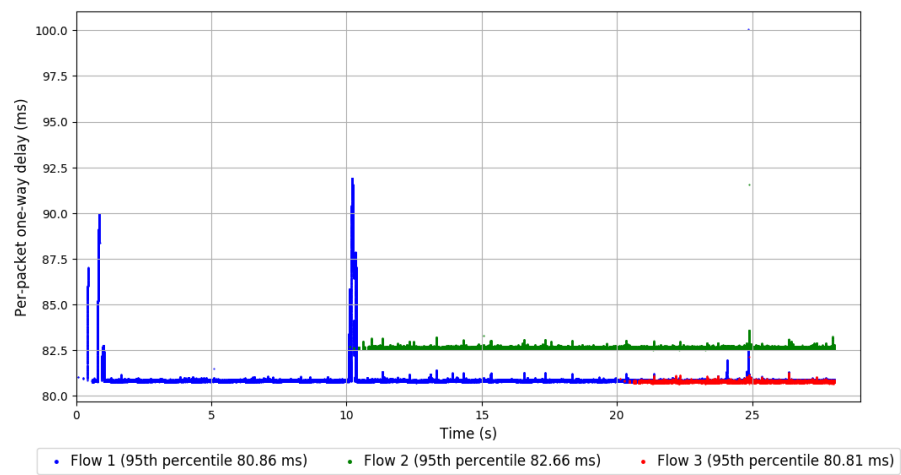
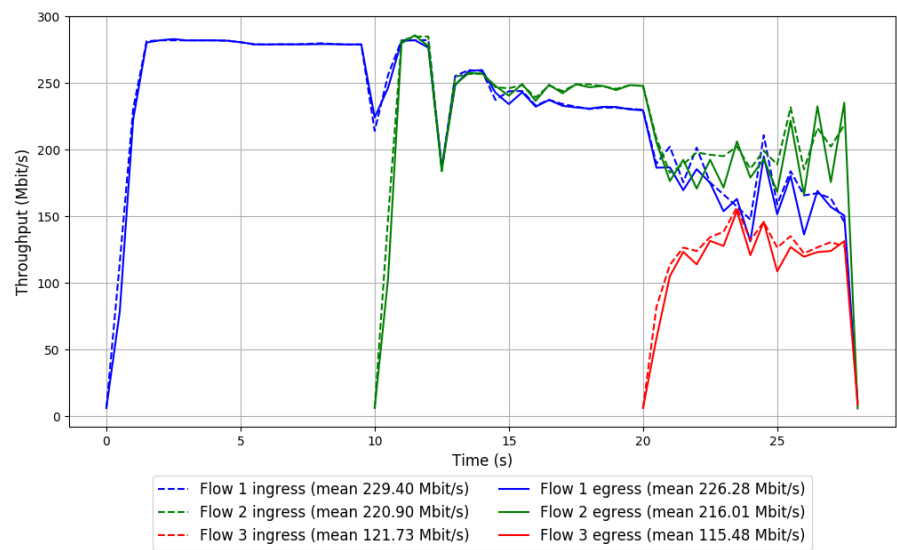
Run 7: Statistics of TaoVA-100x

Start at: 2017-09-18 05:28:26  
End at: 2017-09-18 05:28:56  
Local clock offset: -0.057 ms  
Remote clock offset: -8.378 ms

# Below is generated by plot.py at 2017-09-18 08:43:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 397.51 Mbit/s  
95th percentile per-packet one-way delay: 82.647 ms  
Loss rate: 1.98%  
-- Flow 1:  
Average throughput: 226.28 Mbit/s  
95th percentile per-packet one-way delay: 80.858 ms  
Loss rate: 1.36%  
-- Flow 2:  
Average throughput: 216.01 Mbit/s  
95th percentile per-packet one-way delay: 82.659 ms  
Loss rate: 2.22%  
-- Flow 3:  
Average throughput: 115.48 Mbit/s  
95th percentile per-packet one-way delay: 80.811 ms  
Loss rate: 5.14%



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

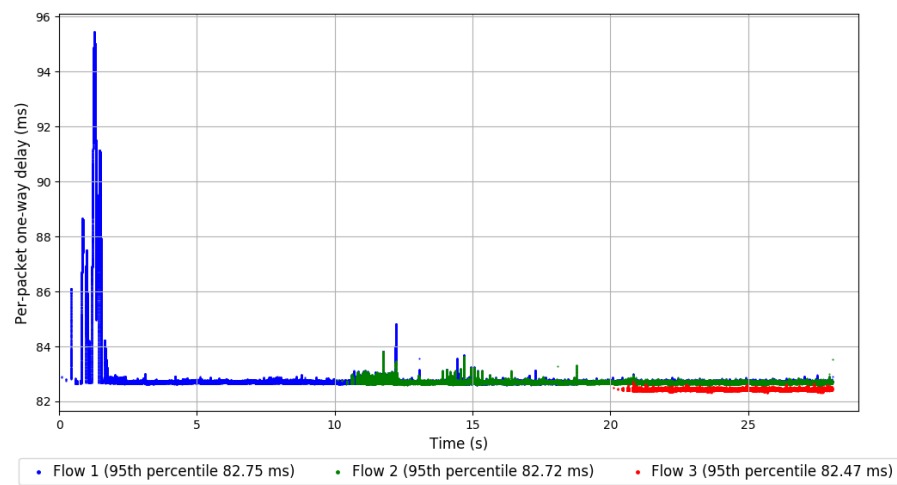
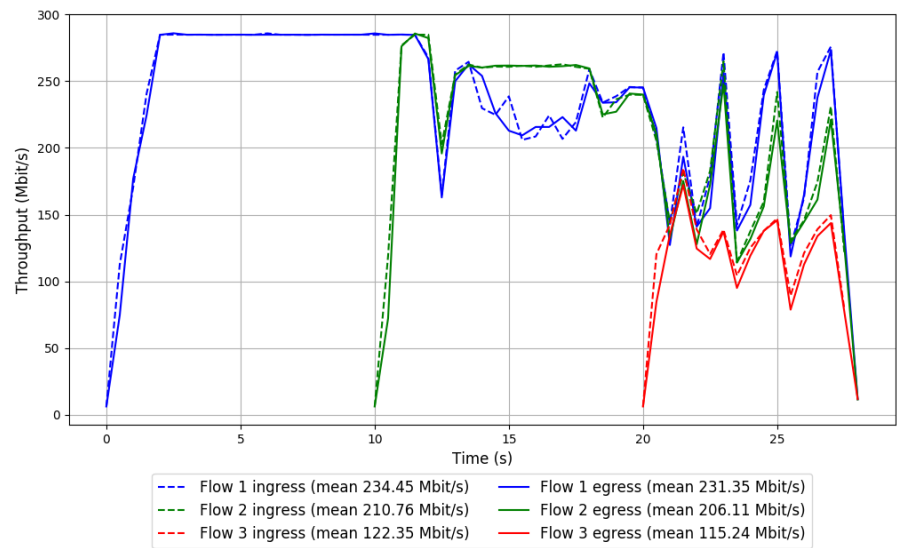


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-18 05:50:15  
End at: 2017-09-18 05:50:45  
Local clock offset: 0.103 ms  
Remote clock offset: -8.159 ms

# Below is generated by plot.py at 2017-09-18 08:43:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 396.41 Mbit/s  
95th percentile per-packet one-way delay: 82.735 ms  
Loss rate: 2.00%  
-- Flow 1:  
Average throughput: 231.35 Mbit/s  
95th percentile per-packet one-way delay: 82.746 ms  
Loss rate: 1.32%  
-- Flow 2:  
Average throughput: 206.11 Mbit/s  
95th percentile per-packet one-way delay: 82.723 ms  
Loss rate: 2.20%  
-- Flow 3:  
Average throughput: 115.24 Mbit/s  
95th percentile per-packet one-way delay: 82.469 ms  
Loss rate: 5.81%

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

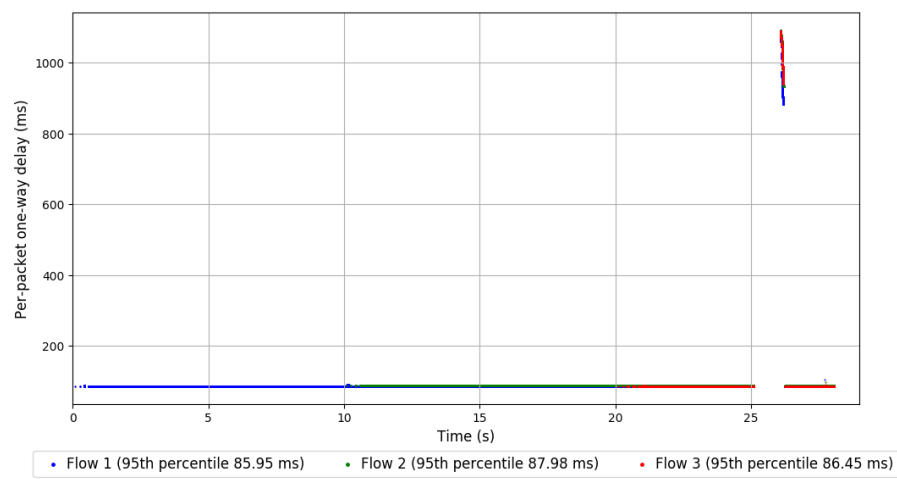
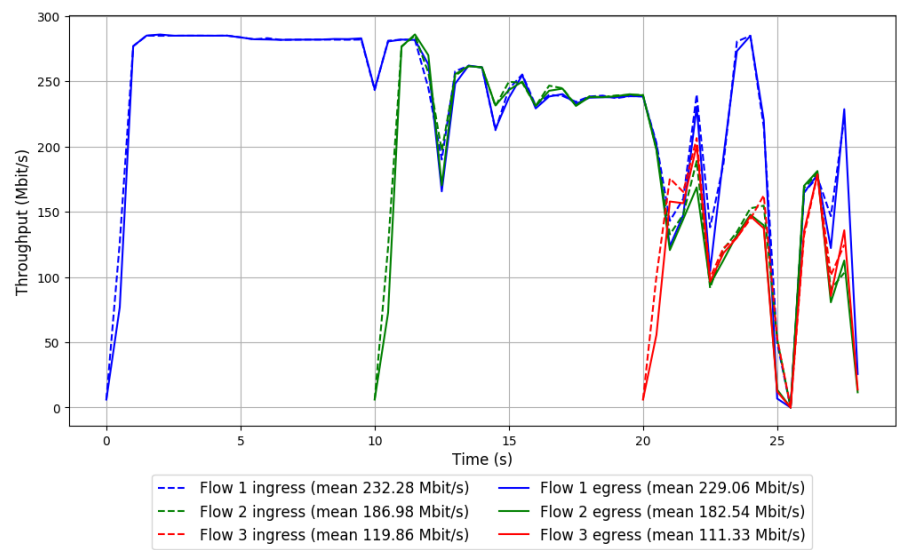


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-18 06:12:04  
End at: 2017-09-18 06:12:34  
Local clock offset: 0.249 ms  
Remote clock offset: -2.435 ms

# Below is generated by plot.py at 2017-09-18 08:51:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 377.86 Mbit/s  
95th percentile per-packet one-way delay: 87.965 ms  
Loss rate: 2.20%  
-- Flow 1:  
Average throughput: 229.06 Mbit/s  
95th percentile per-packet one-way delay: 85.953 ms  
Loss rate: 1.39%  
-- Flow 2:  
Average throughput: 182.54 Mbit/s  
95th percentile per-packet one-way delay: 87.979 ms  
Loss rate: 2.38%  
-- Flow 3:  
Average throughput: 111.33 Mbit/s  
95th percentile per-packet one-way delay: 86.446 ms  
Loss rate: 7.12%

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

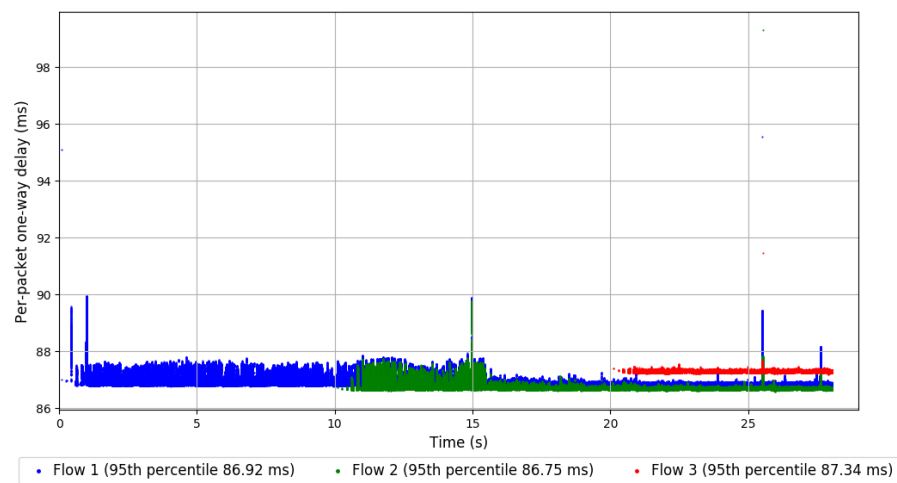
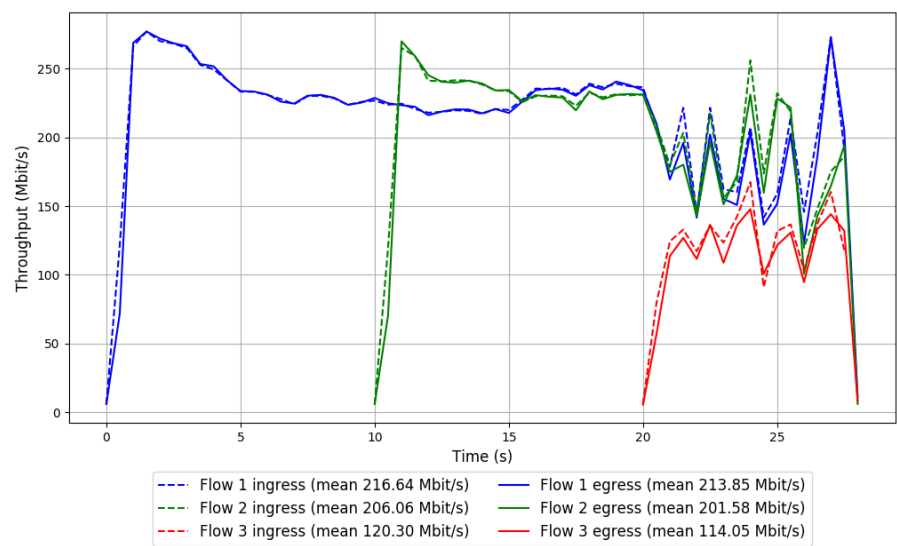


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-18 06:33:49  
End at: 2017-09-18 06:34:19  
Local clock offset: 0.274 ms  
Remote clock offset: -3.207 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 375.70 Mbit/s  
95th percentile per-packet one-way delay: 87.309 ms  
Loss rate: 1.96%  
-- Flow 1:  
Average throughput: 213.85 Mbit/s  
95th percentile per-packet one-way delay: 86.925 ms  
Loss rate: 1.31%  
-- Flow 2:  
Average throughput: 201.58 Mbit/s  
95th percentile per-packet one-way delay: 86.749 ms  
Loss rate: 2.18%  
-- Flow 3:  
Average throughput: 114.05 Mbit/s  
95th percentile per-packet one-way delay: 87.344 ms  
Loss rate: 5.20%

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



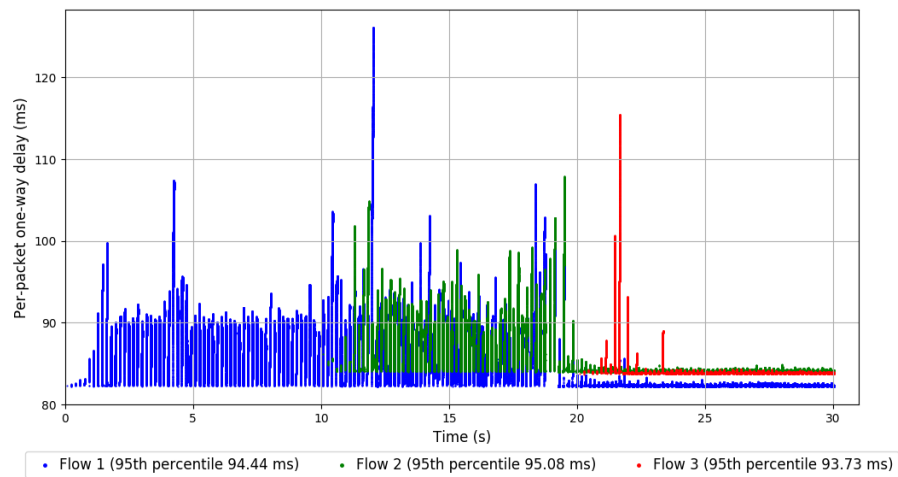
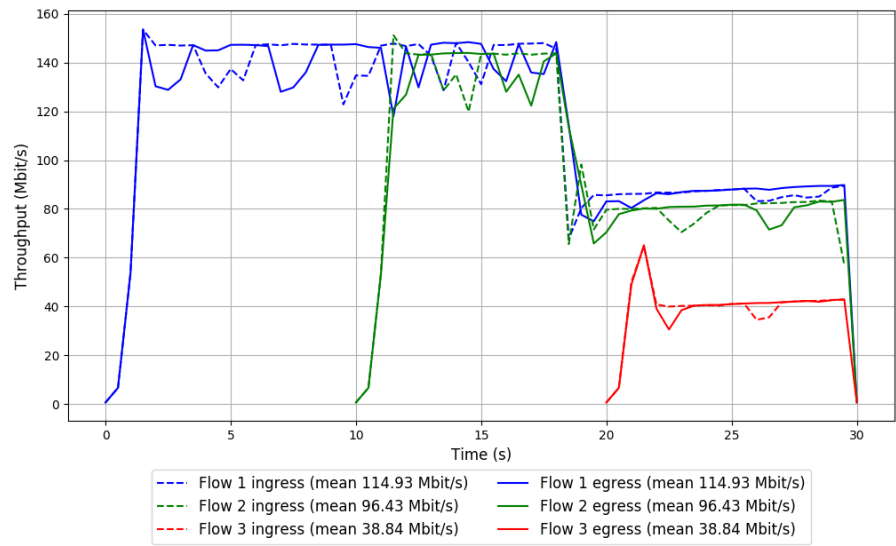
Run 1: Statistics of TCP Vegas

Start at: 2017-09-18 03:23:32  
End at: 2017-09-18 03:24:02  
Local clock offset: -1.354 ms  
Remote clock offset: -6.378 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 192.00 Mbit/s  
95th percentile per-packet one-way delay: 94.738 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 114.93 Mbit/s  
95th percentile per-packet one-way delay: 94.435 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 96.43 Mbit/s  
95th percentile per-packet one-way delay: 95.084 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 38.84 Mbit/s  
95th percentile per-packet one-way delay: 93.726 ms  
Loss rate: 0.00%



# Run 1: Report of TCP Vegas — Data Link

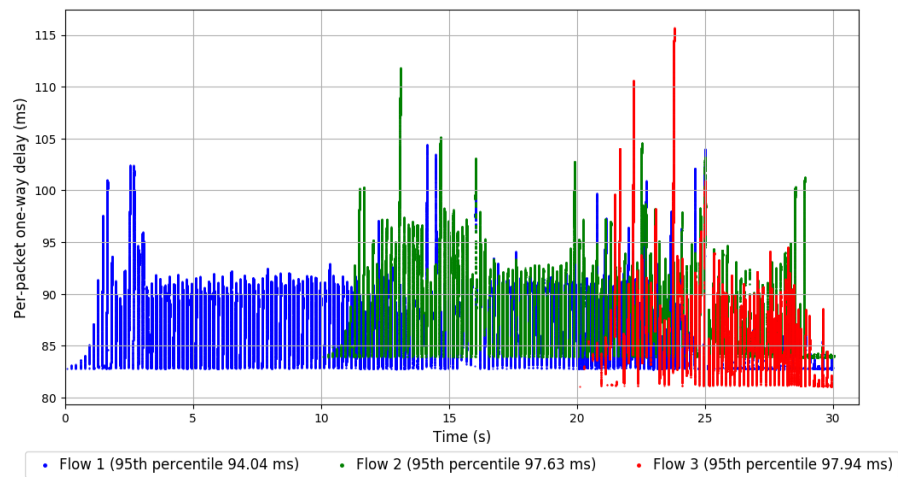
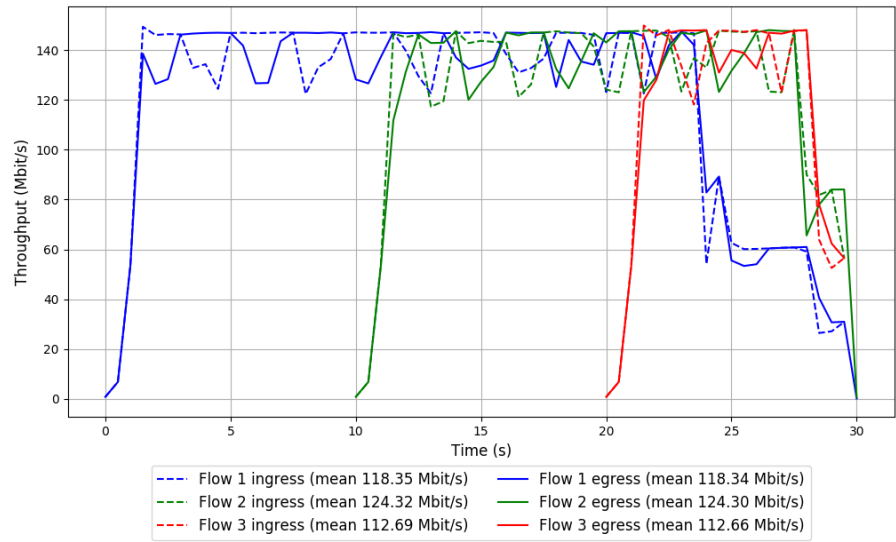


Run 2: Statistics of TCP Vegas

Start at: 2017-09-18 03:45:24  
End at: 2017-09-18 03:45:54  
Local clock offset: -1.138 ms  
Remote clock offset: -7.337 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 238.20 Mbit/s  
95th percentile per-packet one-way delay: 96.532 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 118.34 Mbit/s  
95th percentile per-packet one-way delay: 94.036 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 124.30 Mbit/s  
95th percentile per-packet one-way delay: 97.629 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 112.66 Mbit/s  
95th percentile per-packet one-way delay: 97.938 ms  
Loss rate: 0.02%

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

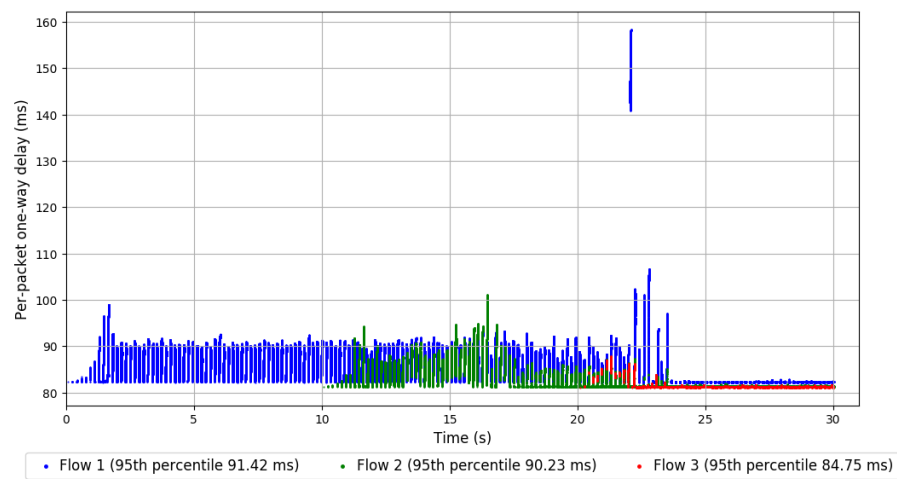
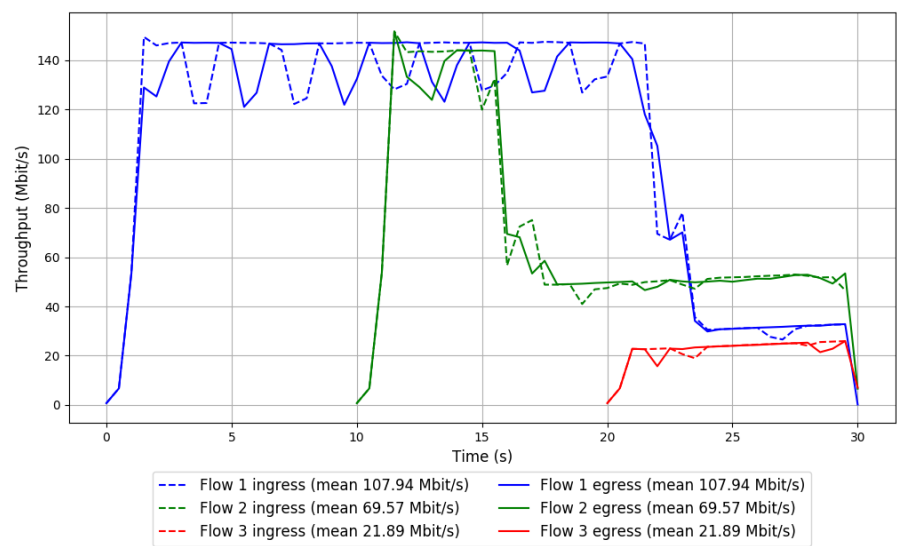


Run 3: Statistics of TCP Vegas

Start at: 2017-09-18 04:07:26  
End at: 2017-09-18 04:07:56  
Local clock offset: -0.965 ms  
Remote clock offset: -7.101 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 161.48 Mbit/s  
95th percentile per-packet one-way delay: 91.179 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 107.94 Mbit/s  
95th percentile per-packet one-way delay: 91.424 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 69.57 Mbit/s  
95th percentile per-packet one-way delay: 90.226 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 21.89 Mbit/s  
95th percentile per-packet one-way delay: 84.745 ms  
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

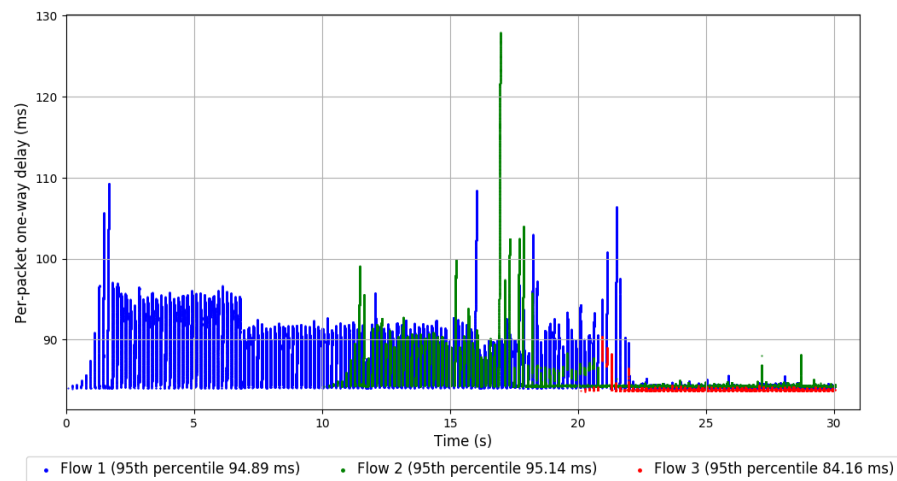
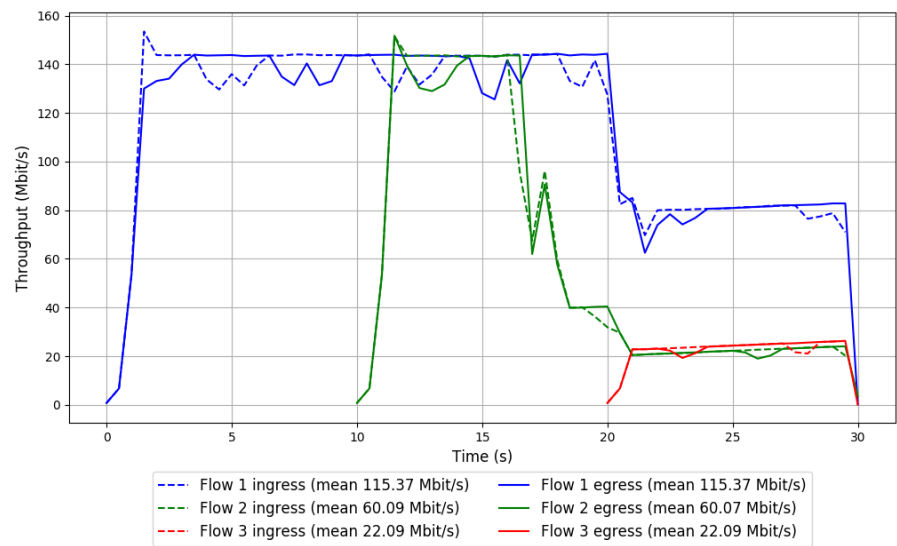


Run 4: Statistics of TCP Vegas

Start at: 2017-09-18 04:29:12  
End at: 2017-09-18 04:29:42  
Local clock offset: -0.749 ms  
Remote clock offset: -6.504 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 162.59 Mbit/s  
95th percentile per-packet one-way delay: 94.840 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 115.37 Mbit/s  
95th percentile per-packet one-way delay: 94.888 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 60.07 Mbit/s  
95th percentile per-packet one-way delay: 95.143 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 22.09 Mbit/s  
95th percentile per-packet one-way delay: 84.160 ms  
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



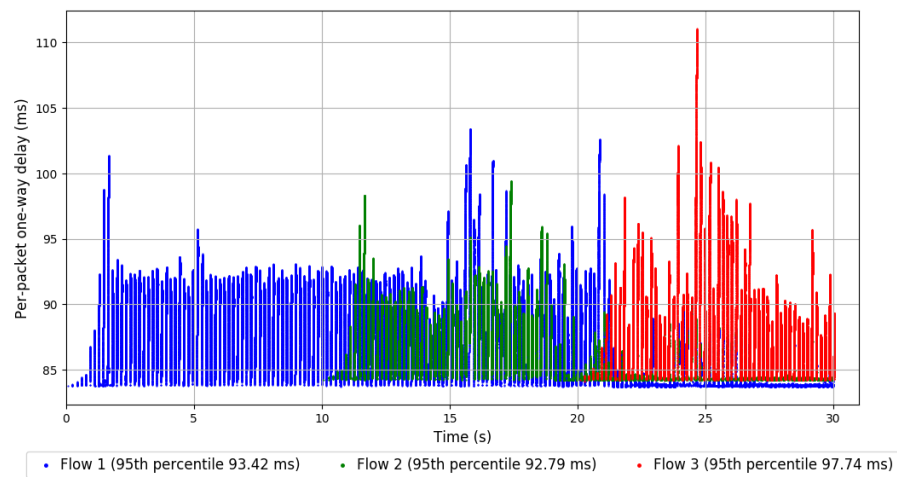
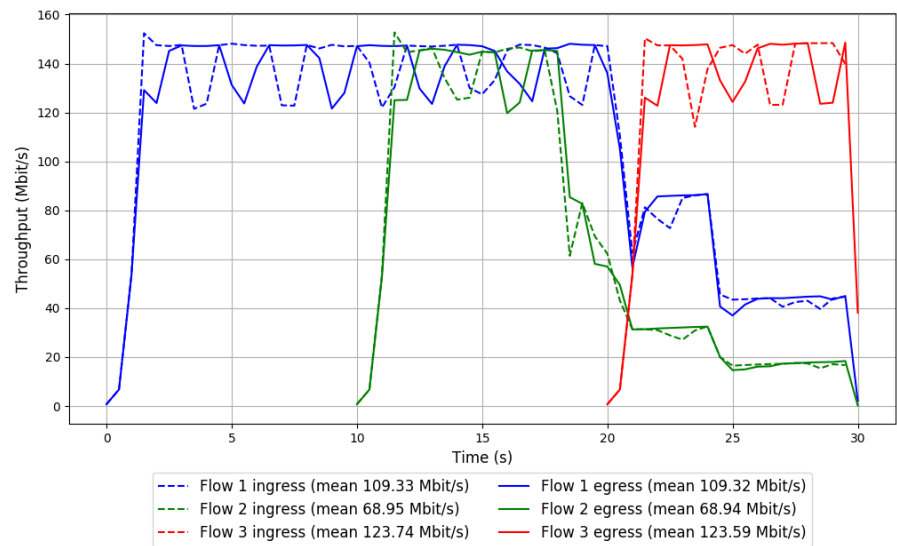
Run 5: Statistics of TCP Vegas

Start at: 2017-09-18 04:50:53  
End at: 2017-09-18 04:51:23  
Local clock offset: -0.384 ms  
Remote clock offset: -7.141 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 196.25 Mbit/s  
95th percentile per-packet one-way delay: 94.806 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 109.32 Mbit/s  
95th percentile per-packet one-way delay: 93.422 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 68.94 Mbit/s  
95th percentile per-packet one-way delay: 92.793 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 123.59 Mbit/s  
95th percentile per-packet one-way delay: 97.741 ms  
Loss rate: 0.09%



Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-09-18 05:12:48

End at: 2017-09-18 05:13:18

Local clock offset: -0.151 ms

Remote clock offset: -3.19 ms

# Below is generated by plot.py at 2017-09-18 08:51:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 244.19 Mbit/s

95th percentile per-packet one-way delay: 99.652 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 129.54 Mbit/s

95th percentile per-packet one-way delay: 99.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 110.46 Mbit/s

95th percentile per-packet one-way delay: 100.661 ms

Loss rate: 0.00%

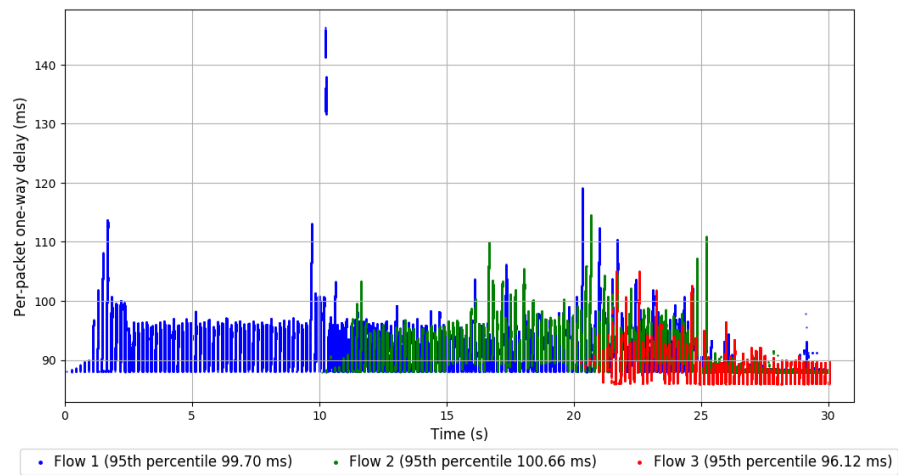
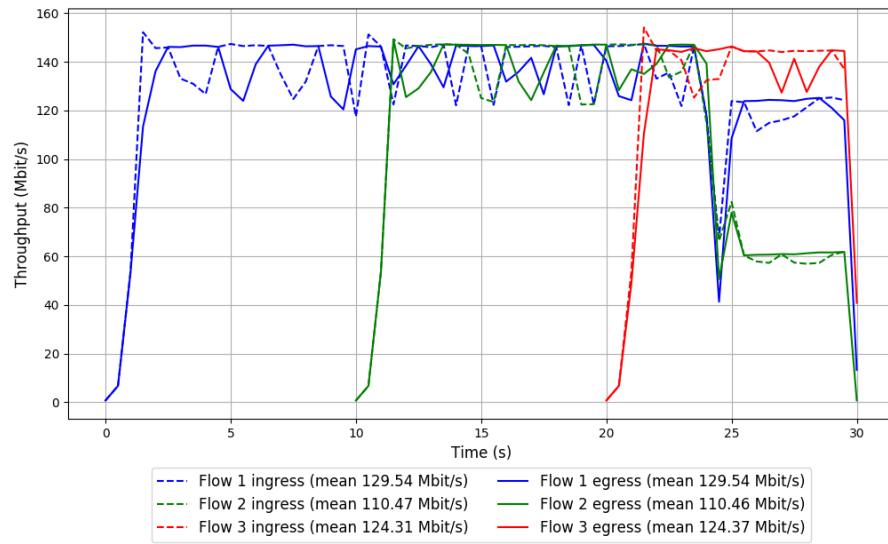
-- Flow 3:

Average throughput: 124.37 Mbit/s

95th percentile per-packet one-way delay: 96.117 ms

Loss rate: 0.00%

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

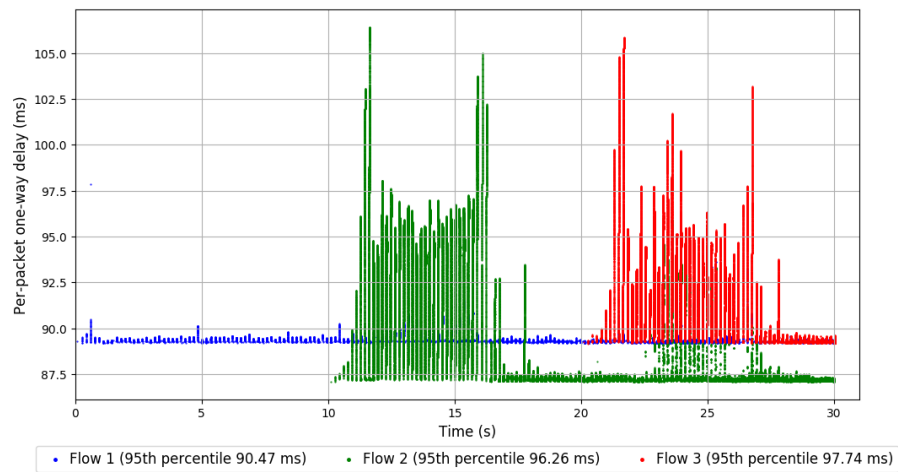
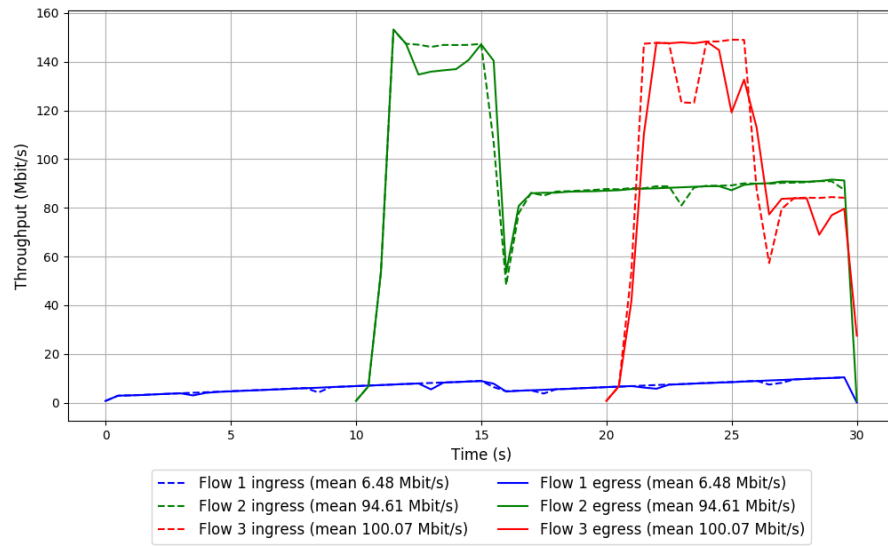


Run 7: Statistics of TCP Vegas

Start at: 2017-09-18 05:34:41  
End at: 2017-09-18 05:35:11  
Local clock offset: -0.004 ms  
Remote clock offset: -1.938 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 102.62 Mbit/s  
95th percentile per-packet one-way delay: 96.536 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.48 Mbit/s  
95th percentile per-packet one-way delay: 90.465 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 94.61 Mbit/s  
95th percentile per-packet one-way delay: 96.263 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 100.07 Mbit/s  
95th percentile per-packet one-way delay: 97.738 ms  
Loss rate: 0.01%

# Run 7: Report of TCP Vegas — Data Link

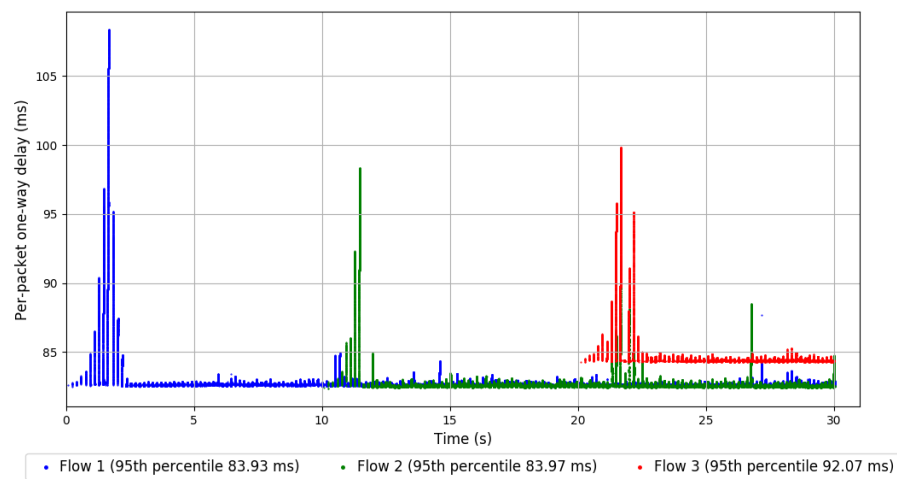
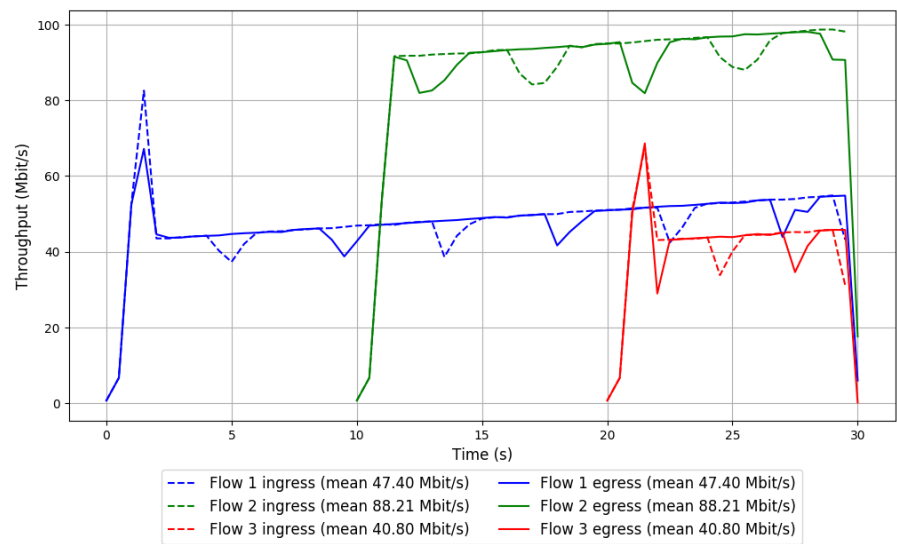


Run 8: Statistics of TCP Vegas

Start at: 2017-09-18 05:56:27  
End at: 2017-09-18 05:56:57  
Local clock offset: 0.084 ms  
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 119.66 Mbit/s  
95th percentile per-packet one-way delay: 84.814 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.40 Mbit/s  
95th percentile per-packet one-way delay: 83.928 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 88.21 Mbit/s  
95th percentile per-packet one-way delay: 83.972 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 40.80 Mbit/s  
95th percentile per-packet one-way delay: 92.068 ms  
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



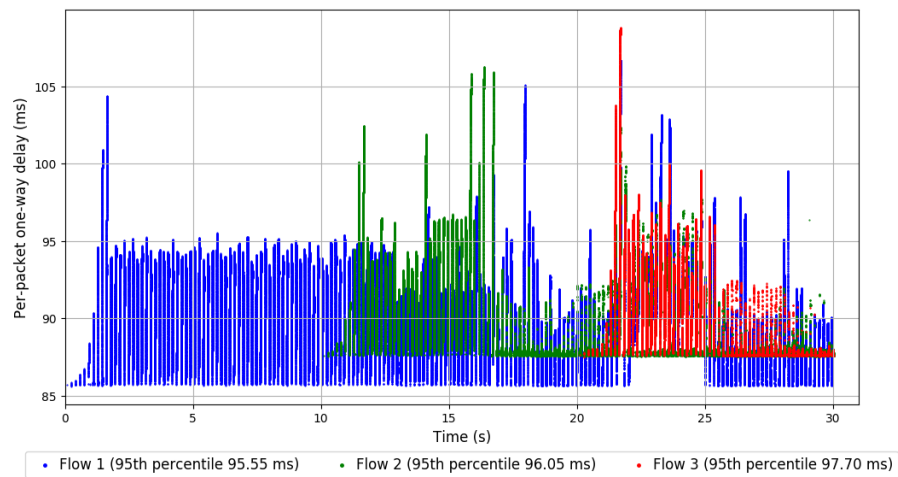
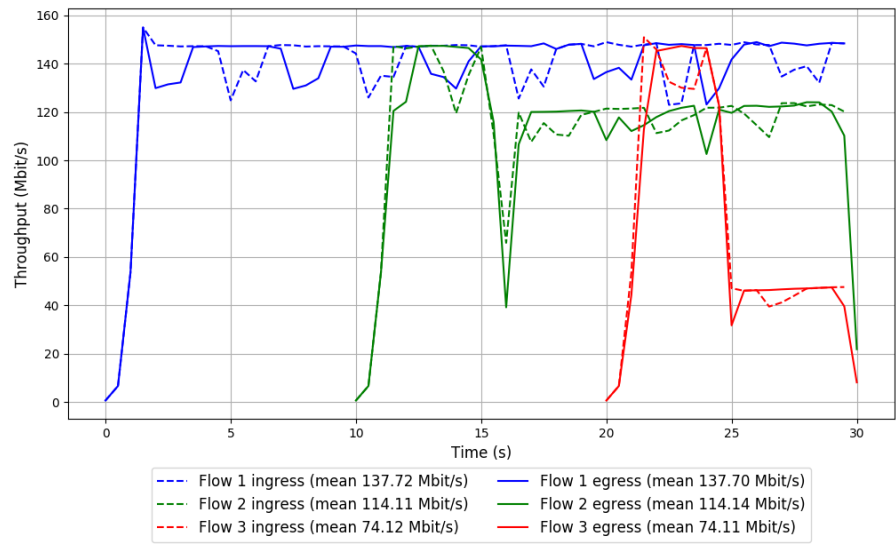
Run 9: Statistics of TCP Vegas

Start at: 2017-09-18 06:18:20  
End at: 2017-09-18 06:18:50  
Local clock offset: 0.161 ms  
Remote clock offset: -2.675 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 237.93 Mbit/s  
95th percentile per-packet one-way delay: 96.125 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 137.70 Mbit/s  
95th percentile per-packet one-way delay: 95.551 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 114.14 Mbit/s  
95th percentile per-packet one-way delay: 96.048 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 74.11 Mbit/s  
95th percentile per-packet one-way delay: 97.705 ms  
Loss rate: 0.00%



# Run 9: Report of TCP Vegas — Data Link

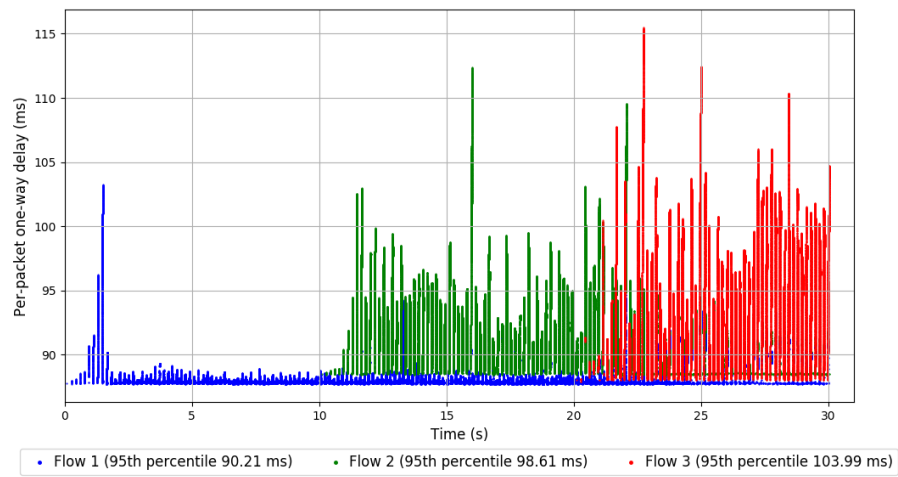
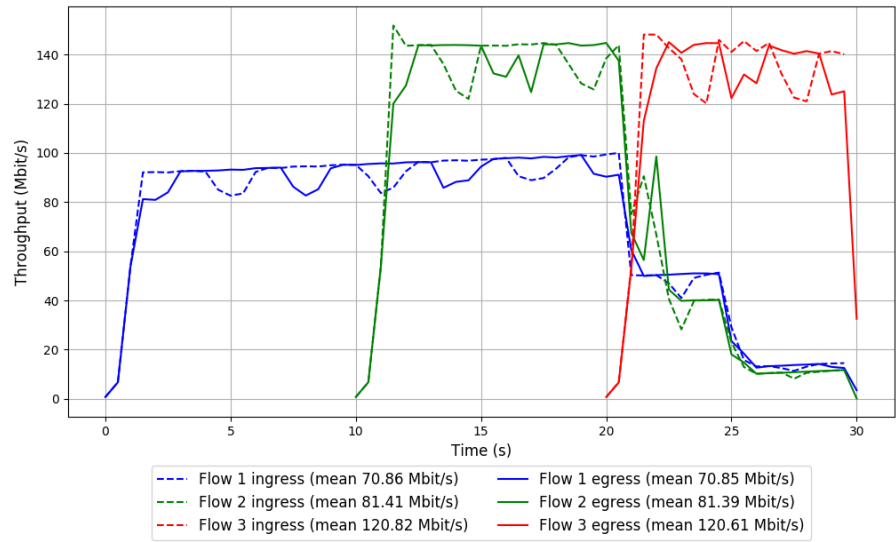


Run 10: Statistics of TCP Vegas

Start at: 2017-09-18 06:39:56  
End at: 2017-09-18 06:40:26  
Local clock offset: 0.238 ms  
Remote clock offset: -2.024 ms

# Below is generated by plot.py at 2017-09-18 08:51:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 165.02 Mbit/s  
95th percentile per-packet one-way delay: 100.518 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 70.85 Mbit/s  
95th percentile per-packet one-way delay: 90.213 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 81.39 Mbit/s  
95th percentile per-packet one-way delay: 98.615 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 120.61 Mbit/s  
95th percentile per-packet one-way delay: 103.986 ms  
Loss rate: 0.01%

# Run 10: Report of TCP Vegas — Data Link

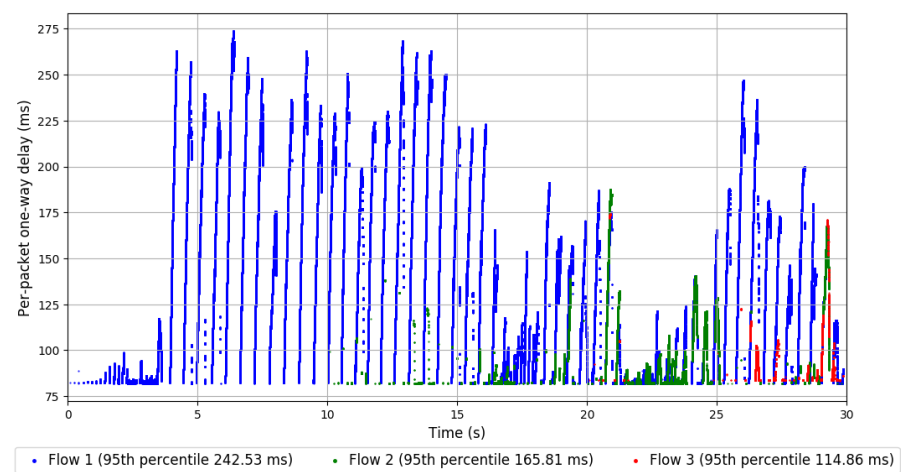
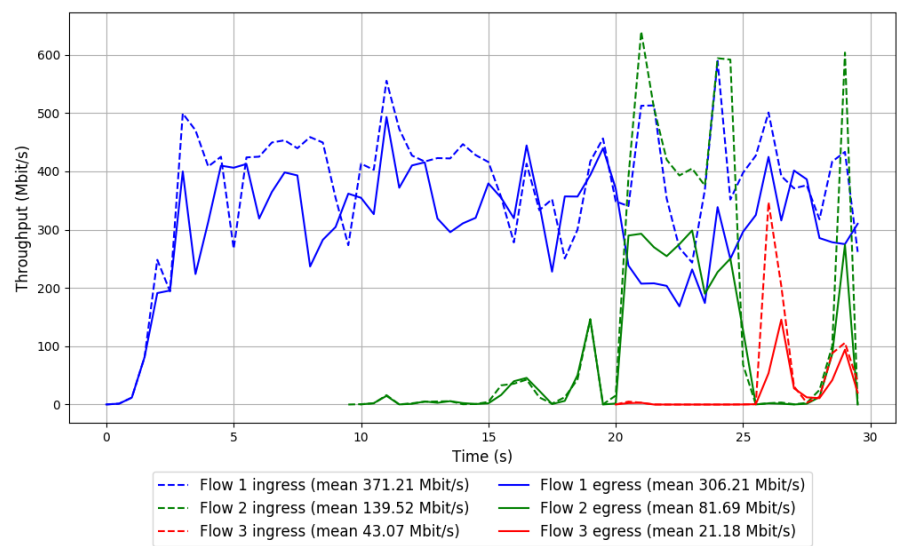


Run 1: Statistics of Verus

Start at: 2017-09-18 03:19:12  
End at: 2017-09-18 03:19:42  
Local clock offset: -1.425 ms  
Remote clock offset: -6.373 ms

# Below is generated by plot.py at 2017-09-18 08:51:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 367.29 Mbit/s  
95th percentile per-packet one-way delay: 239.154 ms  
Loss rate: 23.13%  
-- Flow 1:  
Average throughput: 306.21 Mbit/s  
95th percentile per-packet one-way delay: 242.528 ms  
Loss rate: 17.50%  
-- Flow 2:  
Average throughput: 81.69 Mbit/s  
95th percentile per-packet one-way delay: 165.814 ms  
Loss rate: 41.50%  
-- Flow 3:  
Average throughput: 21.18 Mbit/s  
95th percentile per-packet one-way delay: 114.861 ms  
Loss rate: 50.81%

Run 1: Report of Verus — Data Link

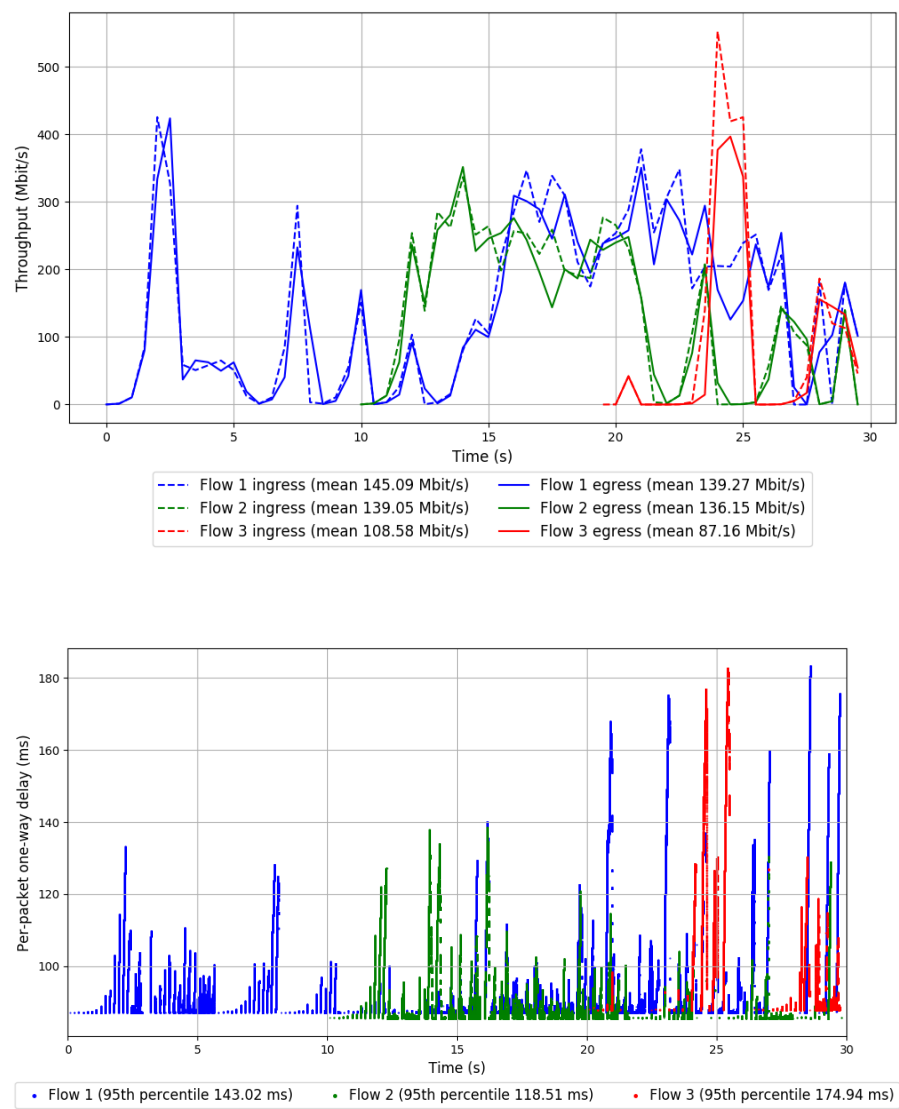


Run 2: Statistics of Verus

Start at: 2017-09-18 03:41:05  
End at: 2017-09-18 03:41:35  
Local clock offset: -1.177 ms  
Remote clock offset: -3.084 ms

# Below is generated by plot.py at 2017-09-18 08:51:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 257.52 Mbit/s  
95th percentile per-packet one-way delay: 143.959 ms  
Loss rate: 5.24%  
-- Flow 1:  
Average throughput: 139.27 Mbit/s  
95th percentile per-packet one-way delay: 143.020 ms  
Loss rate: 3.72%  
-- Flow 2:  
Average throughput: 136.15 Mbit/s  
95th percentile per-packet one-way delay: 118.507 ms  
Loss rate: 2.09%  
-- Flow 3:  
Average throughput: 87.16 Mbit/s  
95th percentile per-packet one-way delay: 174.938 ms  
Loss rate: 19.72%

Run 2: Report of Verus — Data Link



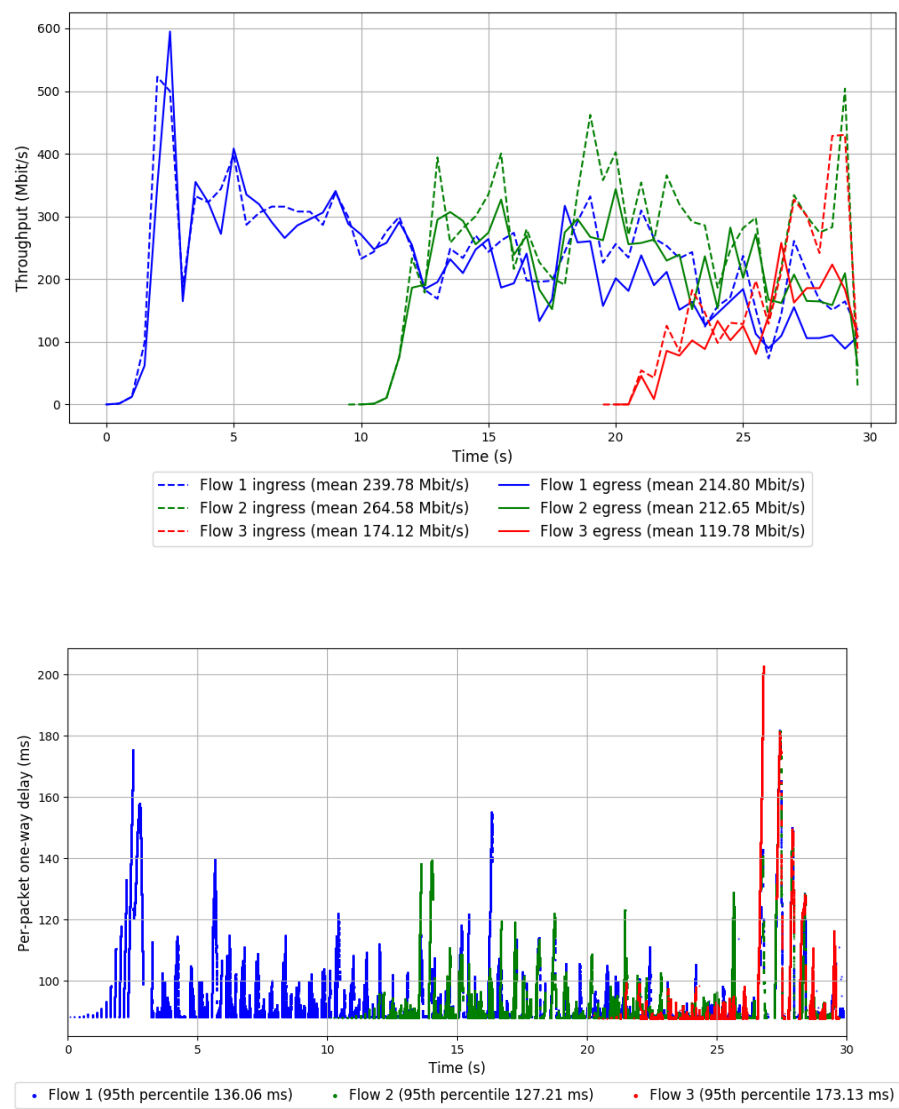
Run 3: Statistics of Verus

Start at: 2017-09-18 04:03:03  
End at: 2017-09-18 04:03:33  
Local clock offset: -1.06 ms  
Remote clock offset: -2.573 ms

# Below is generated by plot.py at 2017-09-18 08:52:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 393.60 Mbit/s  
95th percentile per-packet one-way delay: 136.712 ms  
Loss rate: 16.32%  
-- Flow 1:  
Average throughput: 214.80 Mbit/s  
95th percentile per-packet one-way delay: 136.061 ms  
Loss rate: 10.42%  
-- Flow 2:  
Average throughput: 212.65 Mbit/s  
95th percentile per-packet one-way delay: 127.211 ms  
Loss rate: 19.63%  
-- Flow 3:  
Average throughput: 119.78 Mbit/s  
95th percentile per-packet one-way delay: 173.131 ms  
Loss rate: 31.21%



Run 3: Report of Verus — Data Link

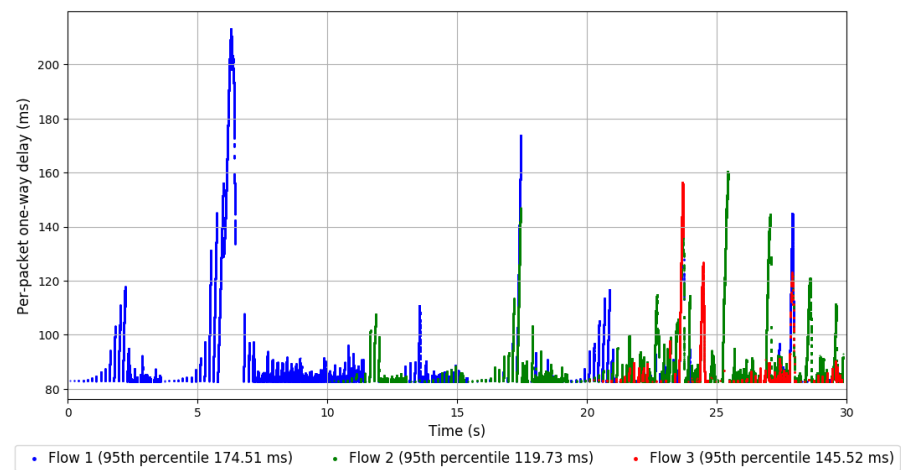
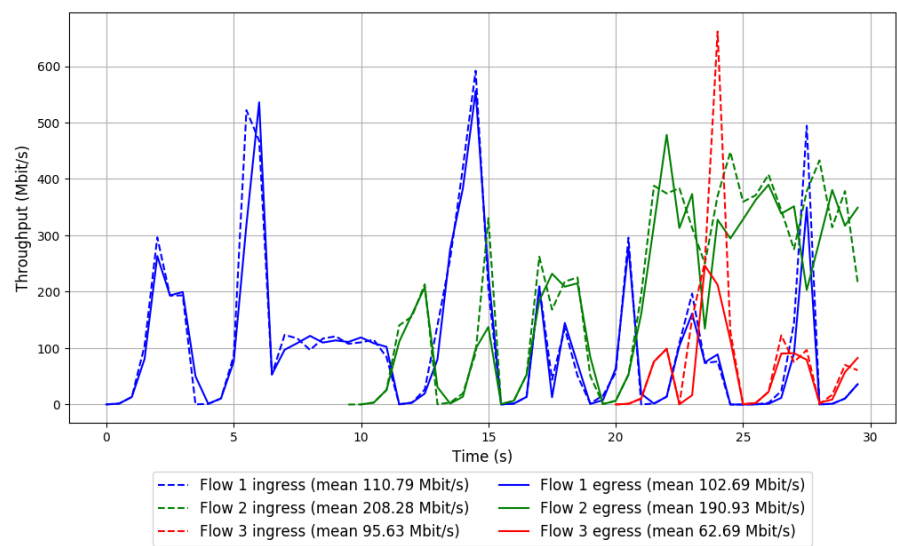


Run 4: Statistics of Verus

Start at: 2017-09-18 04:24:59  
End at: 2017-09-18 04:25:29  
Local clock offset: -0.719 ms  
Remote clock offset: -7.396 ms

# Below is generated by plot.py at 2017-09-18 08:52:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 249.91 Mbit/s  
95th percentile per-packet one-way delay: 143.944 ms  
Loss rate: 10.80%  
-- Flow 1:  
Average throughput: 102.69 Mbit/s  
95th percentile per-packet one-way delay: 174.513 ms  
Loss rate: 7.29%  
-- Flow 2:  
Average throughput: 190.93 Mbit/s  
95th percentile per-packet one-way delay: 119.734 ms  
Loss rate: 8.29%  
-- Flow 3:  
Average throughput: 62.69 Mbit/s  
95th percentile per-packet one-way delay: 145.519 ms  
Loss rate: 34.45%

Run 4: Report of Verus — Data Link

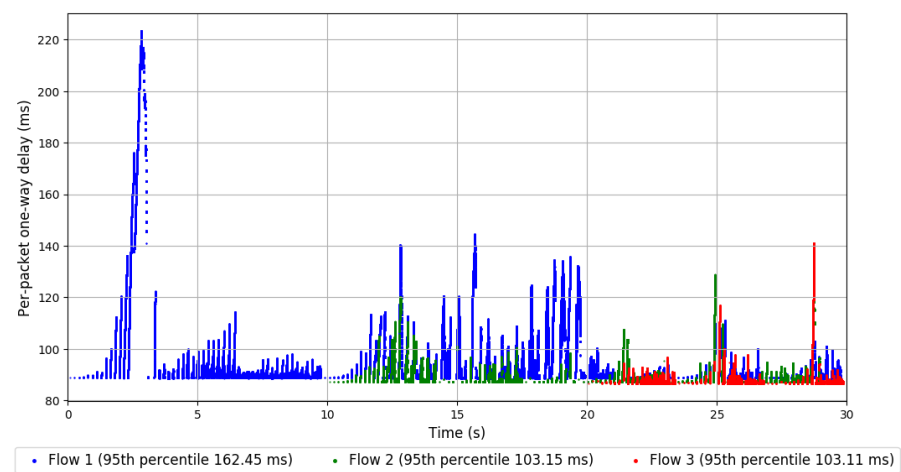
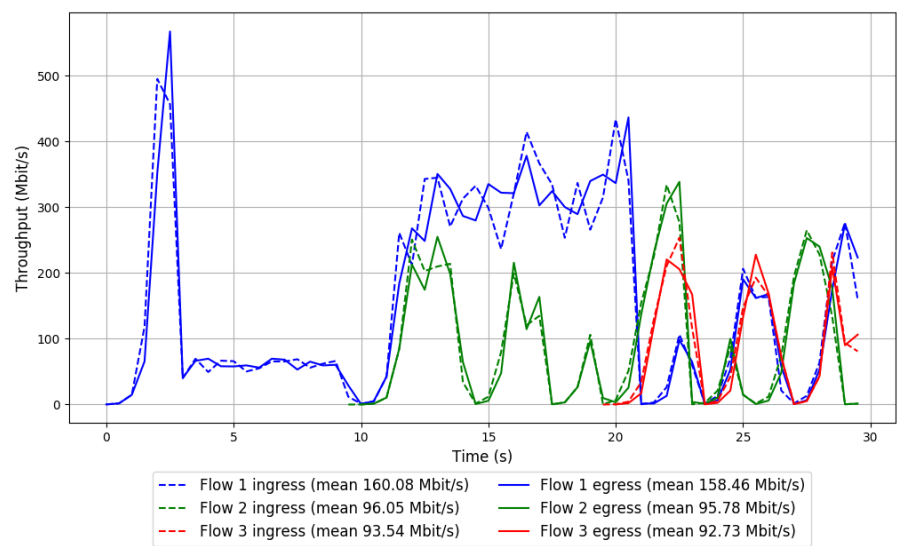


Run 5: Statistics of Verus

Start at: 2017-09-18 04:46:40  
End at: 2017-09-18 04:47:10  
Local clock offset: -0.524 ms  
Remote clock offset: -1.931 ms

# Below is generated by plot.py at 2017-09-18 08:52:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 251.82 Mbit/s  
95th percentile per-packet one-way delay: 135.270 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 158.46 Mbit/s  
95th percentile per-packet one-way delay: 162.450 ms  
Loss rate: 1.01%  
-- Flow 2:  
Average throughput: 95.78 Mbit/s  
95th percentile per-packet one-way delay: 103.148 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 92.73 Mbit/s  
95th percentile per-packet one-way delay: 103.112 ms  
Loss rate: 0.87%

Run 5: Report of Verus — Data Link

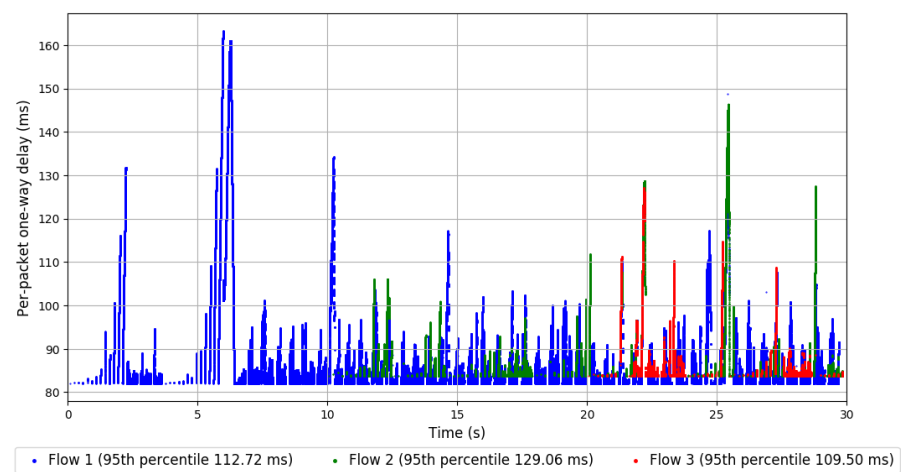
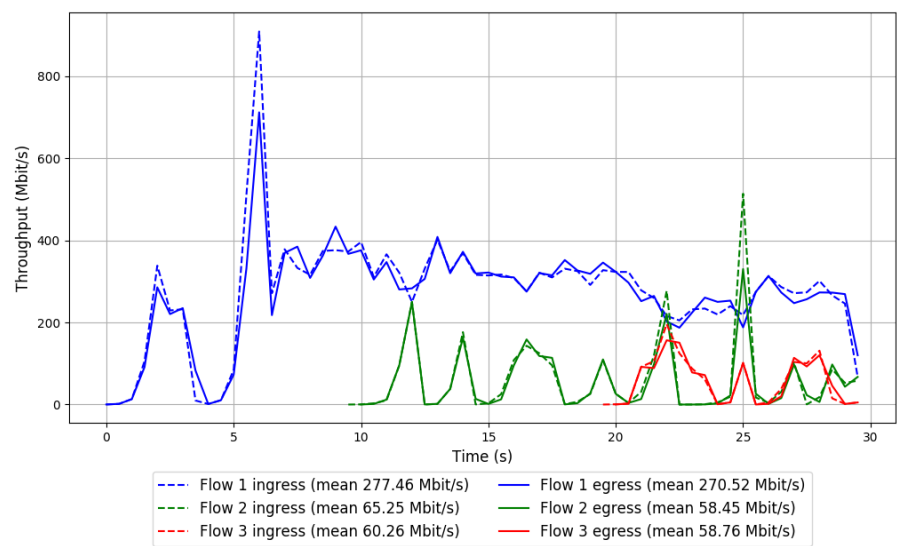


Run 6: Statistics of Verus

Start at: 2017-09-18 05:08:28  
End at: 2017-09-18 05:08:58  
Local clock offset: -0.18 ms  
Remote clock offset: -7.128 ms

# Below is generated by plot.py at 2017-09-18 08:52:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 327.25 Mbit/s  
95th percentile per-packet one-way delay: 117.105 ms  
Loss rate: 3.49%  
-- Flow 1:  
Average throughput: 270.52 Mbit/s  
95th percentile per-packet one-way delay: 112.723 ms  
Loss rate: 2.47%  
-- Flow 2:  
Average throughput: 58.45 Mbit/s  
95th percentile per-packet one-way delay: 129.059 ms  
Loss rate: 10.43%  
-- Flow 3:  
Average throughput: 58.76 Mbit/s  
95th percentile per-packet one-way delay: 109.505 ms  
Loss rate: 2.47%

Run 6: Report of Verus — Data Link



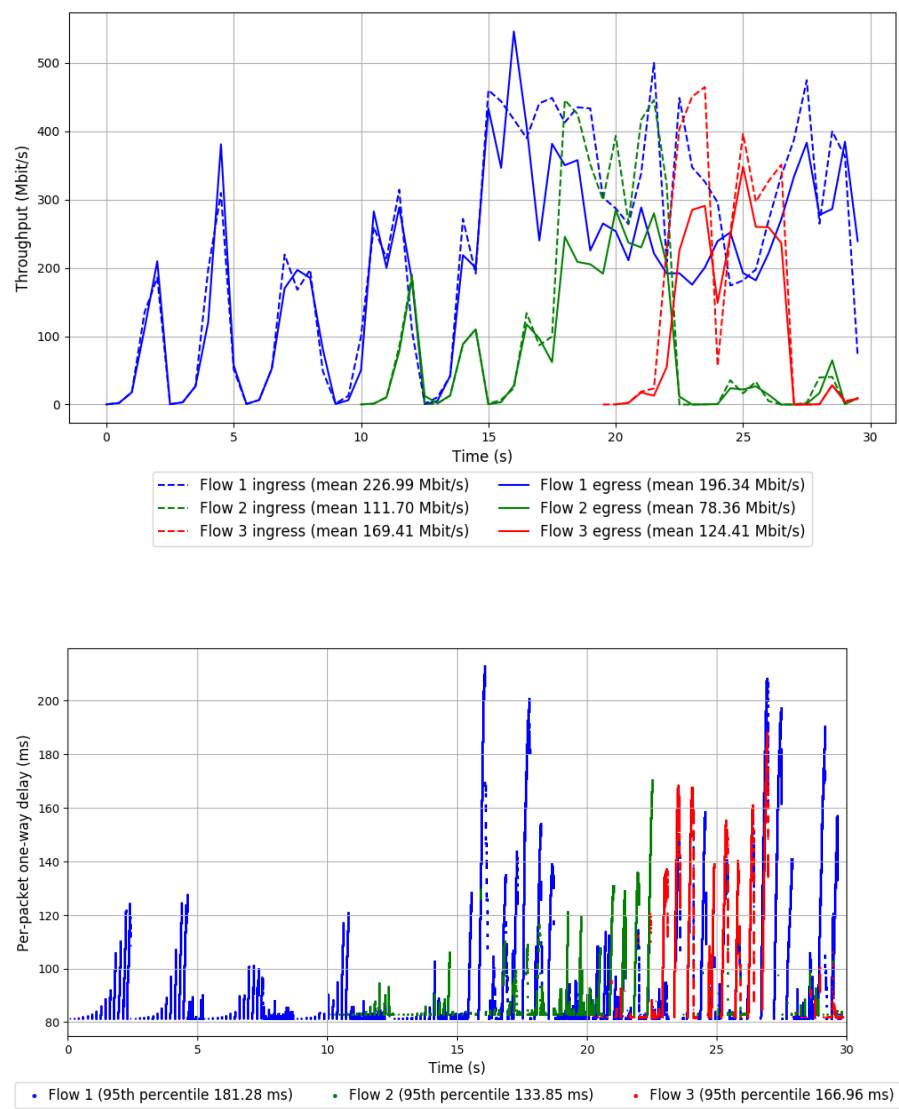
Run 7: Statistics of Verus

Start at: 2017-09-18 05:30:19  
End at: 2017-09-18 05:30:49  
Local clock offset: -0.048 ms  
Remote clock offset: -8.028 ms

# Below is generated by plot.py at 2017-09-18 08:53:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 288.40 Mbit/s  
95th percentile per-packet one-way delay: 170.772 ms  
Loss rate: 18.94%  
-- Flow 1:  
Average throughput: 196.34 Mbit/s  
95th percentile per-packet one-way delay: 181.283 ms  
Loss rate: 13.50%  
-- Flow 2:  
Average throughput: 78.36 Mbit/s  
95th percentile per-packet one-way delay: 133.848 ms  
Loss rate: 29.85%  
-- Flow 3:  
Average throughput: 124.41 Mbit/s  
95th percentile per-packet one-way delay: 166.957 ms  
Loss rate: 26.57%



Run 7: Report of Verus — Data Link

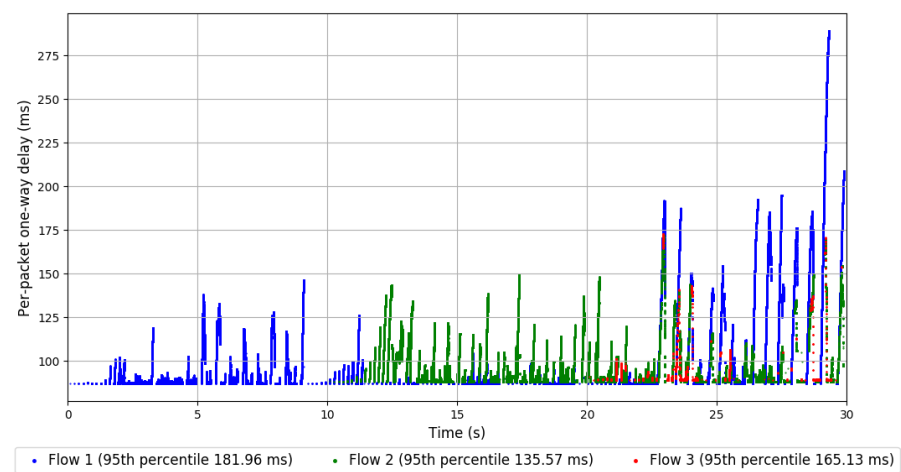
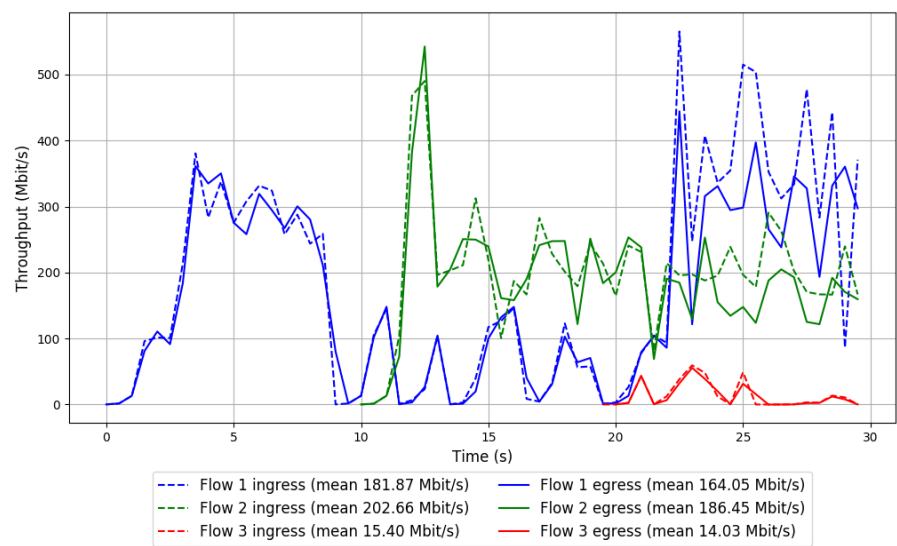


Run 8: Statistics of Verus

Start at: 2017-09-18 05:52:10  
End at: 2017-09-18 05:52:40  
Local clock offset: 0.08 ms  
Remote clock offset: -1.654 ms

```
# Below is generated by plot.py at 2017-09-18 08:53:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.32 Mbit/s
95th percentile per-packet one-way delay: 173.337 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 164.05 Mbit/s
95th percentile per-packet one-way delay: 181.959 ms
Loss rate: 9.68%
-- Flow 2:
Average throughput: 186.45 Mbit/s
95th percentile per-packet one-way delay: 135.575 ms
Loss rate: 7.96%
-- Flow 3:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 165.129 ms
Loss rate: 8.29%
```

Run 8: Report of Verus — Data Link

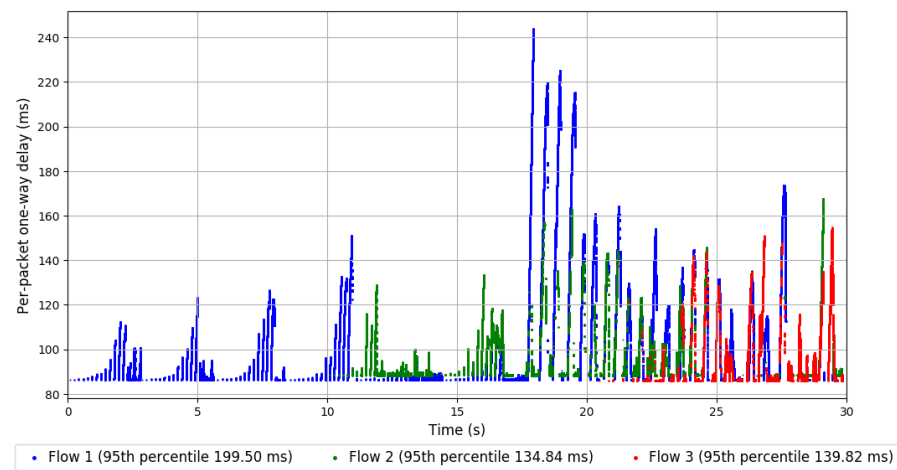
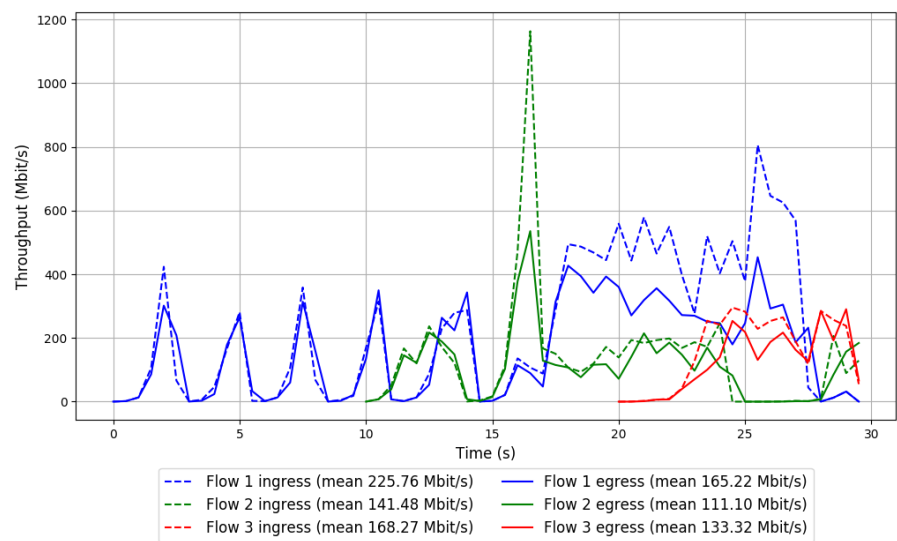


Run 9: Statistics of Verus

Start at: 2017-09-18 06:13:52  
End at: 2017-09-18 06:14:22  
Local clock offset: 0.17 ms  
Remote clock offset: -1.986 ms

# Below is generated by plot.py at 2017-09-18 08:53:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 280.46 Mbit/s  
95th percentile per-packet one-way delay: 170.030 ms  
Loss rate: 24.61%  
-- Flow 1:  
Average throughput: 165.22 Mbit/s  
95th percentile per-packet one-way delay: 199.499 ms  
Loss rate: 26.82%  
-- Flow 2:  
Average throughput: 111.10 Mbit/s  
95th percentile per-packet one-way delay: 134.835 ms  
Loss rate: 21.46%  
-- Flow 3:  
Average throughput: 133.32 Mbit/s  
95th percentile per-packet one-way delay: 139.821 ms  
Loss rate: 20.76%

Run 9: Report of Verus — Data Link

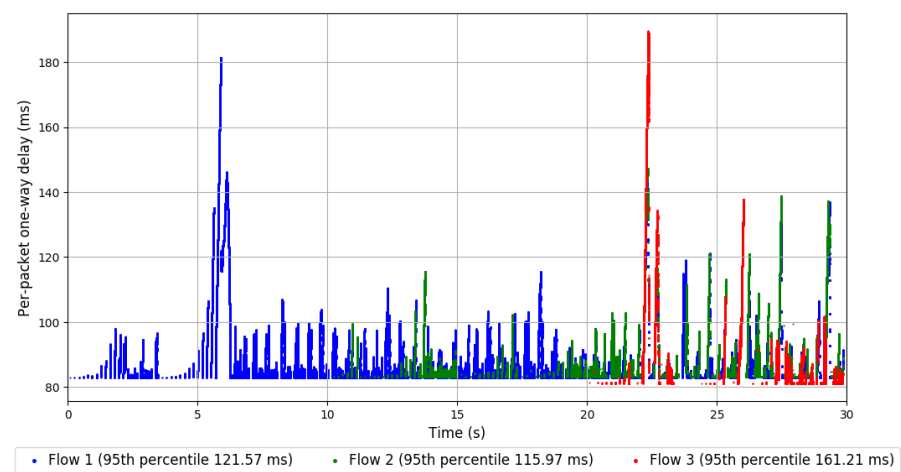
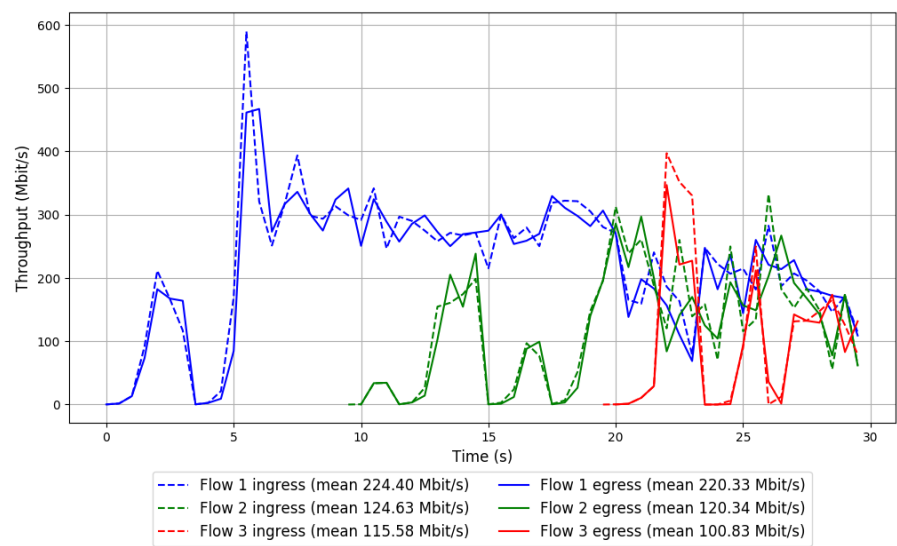


Run 10: Statistics of Verus

Start at: 2017-09-18 06:35:37  
End at: 2017-09-18 06:36:07  
Local clock offset: 0.263 ms  
Remote clock offset: -7.173 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 333.46 Mbit/s  
95th percentile per-packet one-way delay: 124.777 ms  
Loss rate: 3.38%  
-- Flow 1:  
Average throughput: 220.33 Mbit/s  
95th percentile per-packet one-way delay: 121.567 ms  
Loss rate: 1.79%  
-- Flow 2:  
Average throughput: 120.34 Mbit/s  
95th percentile per-packet one-way delay: 115.970 ms  
Loss rate: 3.43%  
-- Flow 3:  
Average throughput: 100.83 Mbit/s  
95th percentile per-packet one-way delay: 161.208 ms  
Loss rate: 12.71%

Run 10: Report of Verus — Data Link



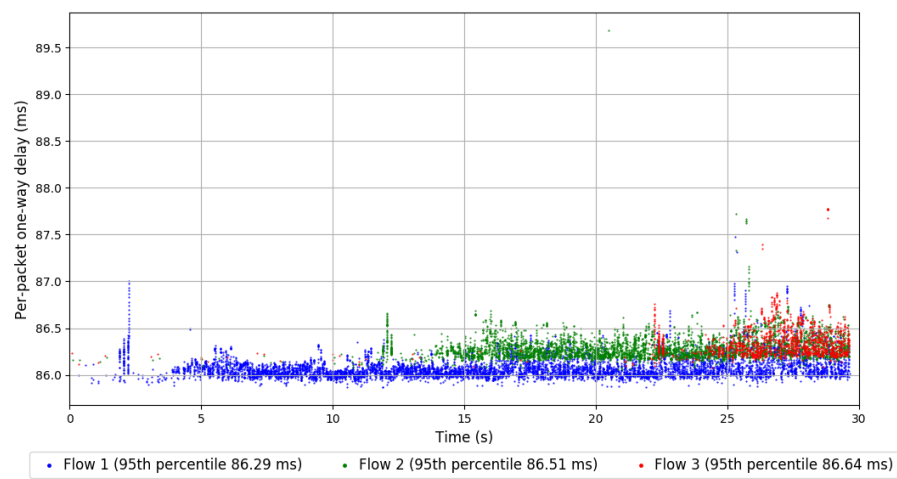
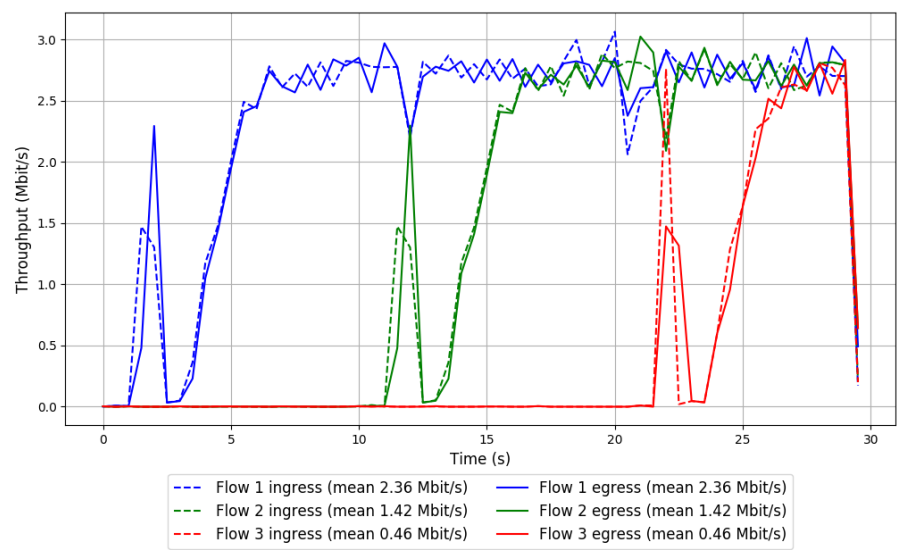
Run 1: Statistics of WebRTC media

Start at: 2017-09-18 03:09:45  
End at: 2017-09-18 03:10:15  
Local clock offset: -1.488 ms  
Remote clock offset: -2.387 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.22 Mbit/s  
95th percentile per-packet one-way delay: 86.476 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 86.288 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.42 Mbit/s  
95th percentile per-packet one-way delay: 86.507 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 86.645 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

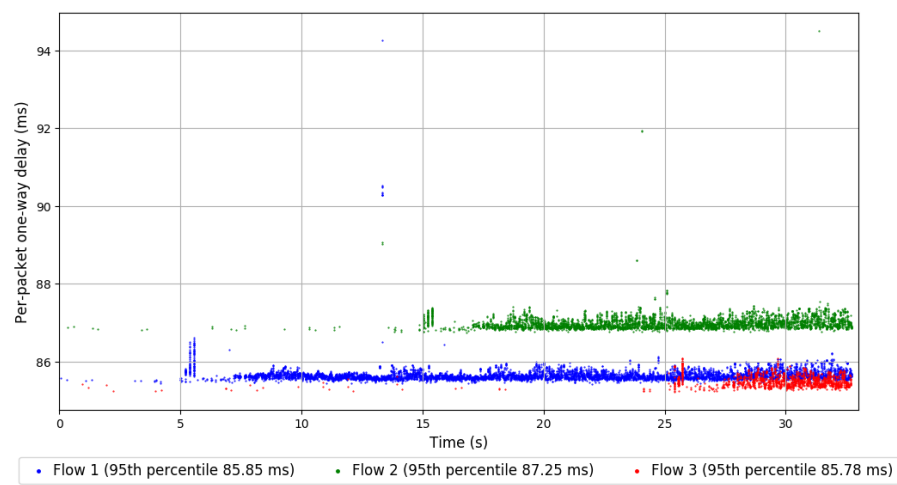
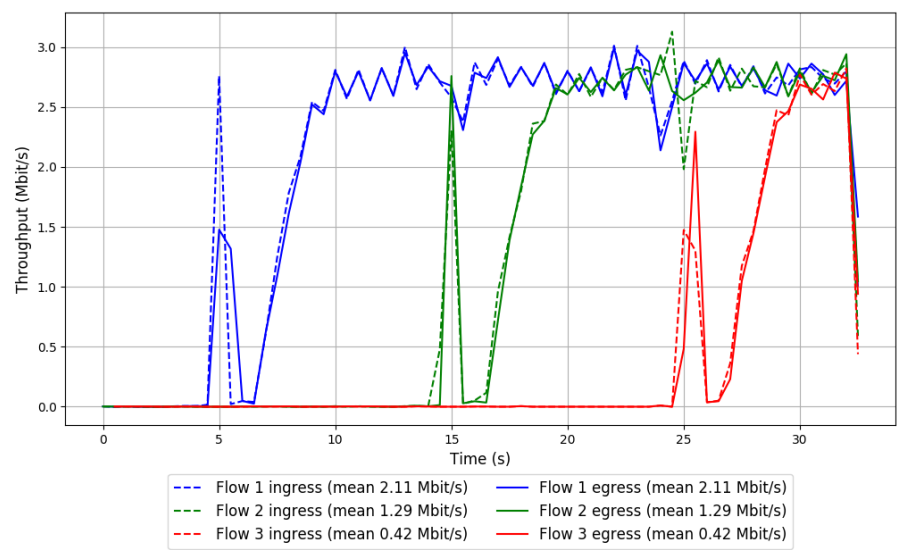


Run 2: Statistics of WebRTC media

Start at: 2017-09-18 03:31:47  
End at: 2017-09-18 03:32:17  
Local clock offset: -1.219 ms  
Remote clock offset: -3.346 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.79 Mbit/s  
95th percentile per-packet one-way delay: 87.127 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 85.852 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 1.29 Mbit/s  
95th percentile per-packet one-way delay: 87.252 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 85.777 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

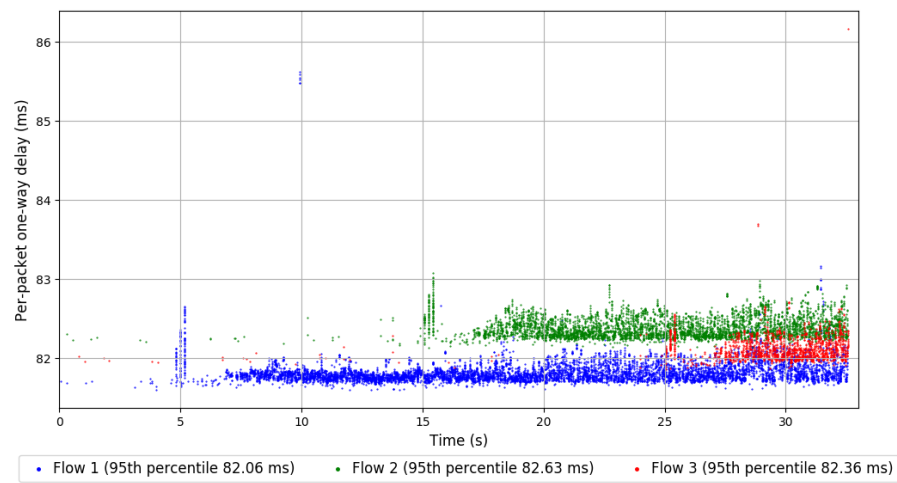
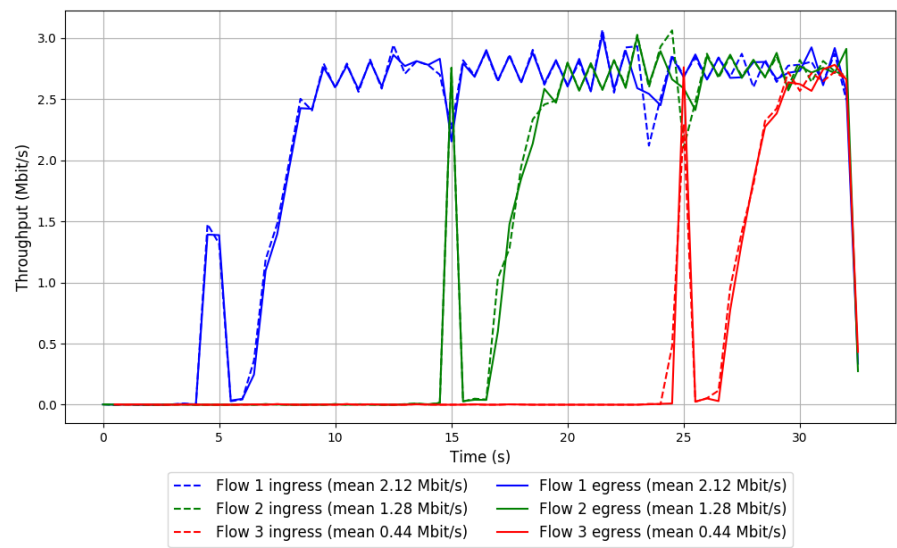


Run 3: Statistics of WebRTC media

Start at: 2017-09-18 03:53:50  
End at: 2017-09-18 03:54:20  
Local clock offset: -1.11 ms  
Remote clock offset: -6.506 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.82 Mbit/s  
95th percentile per-packet one-way delay: 82.539 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 82.060 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.28 Mbit/s  
95th percentile per-packet one-way delay: 82.634 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 82.357 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

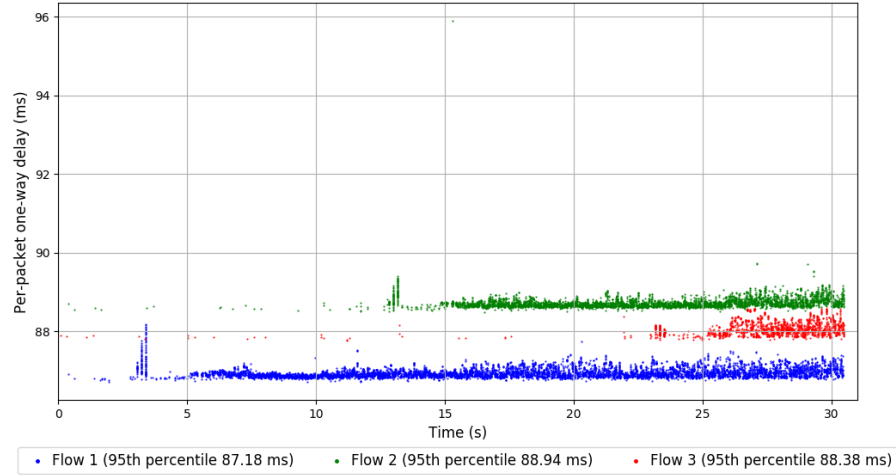
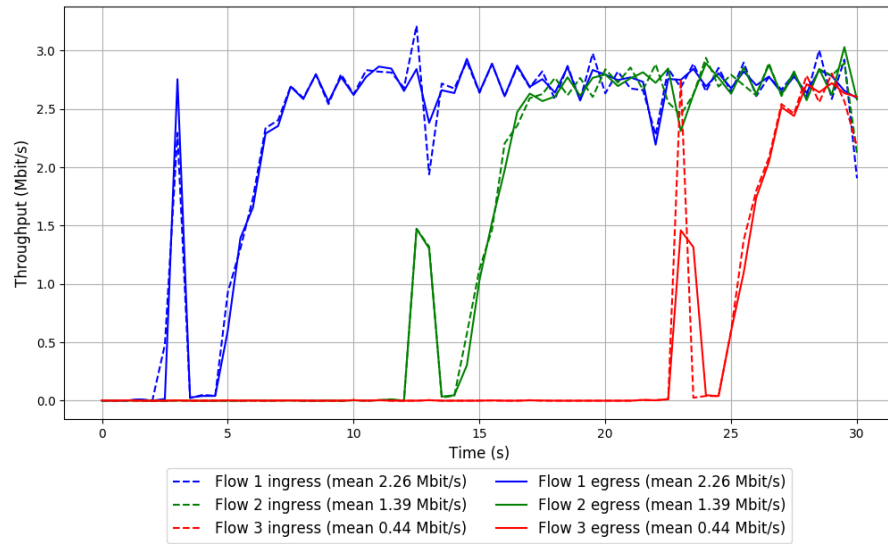


Run 4: Statistics of WebRTC media

Start at: 2017-09-18 04:15:35  
End at: 2017-09-18 04:16:05  
Local clock offset: -0.83 ms  
Remote clock offset: -1.707 ms

```
# Below is generated by plot.py at 2017-09-18 08:53:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 88.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 87.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 88.939 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 88.376 ms
Loss rate: 0.00%
```

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-18 04:37:22

End at: 2017-09-18 04:37:52

Local clock offset: -0.611 ms

Remote clock offset: -6.946 ms



Run 5: Report of WebRTC media — Data Link

Figure is missing

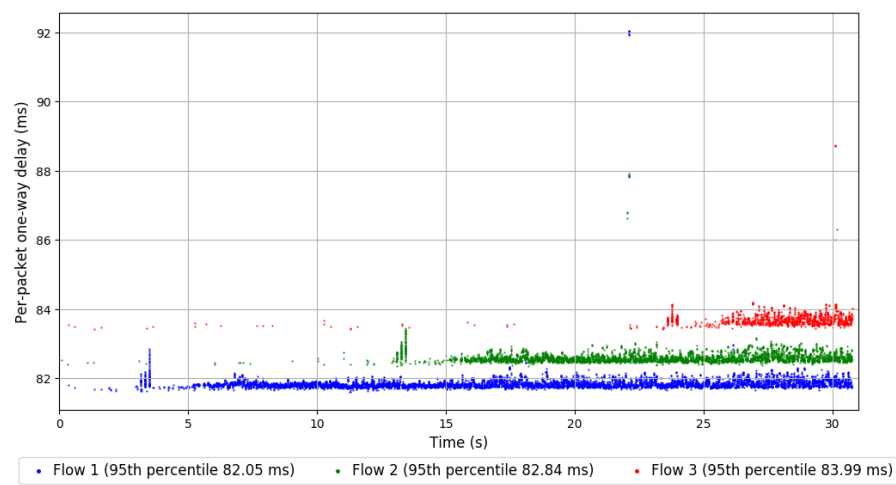
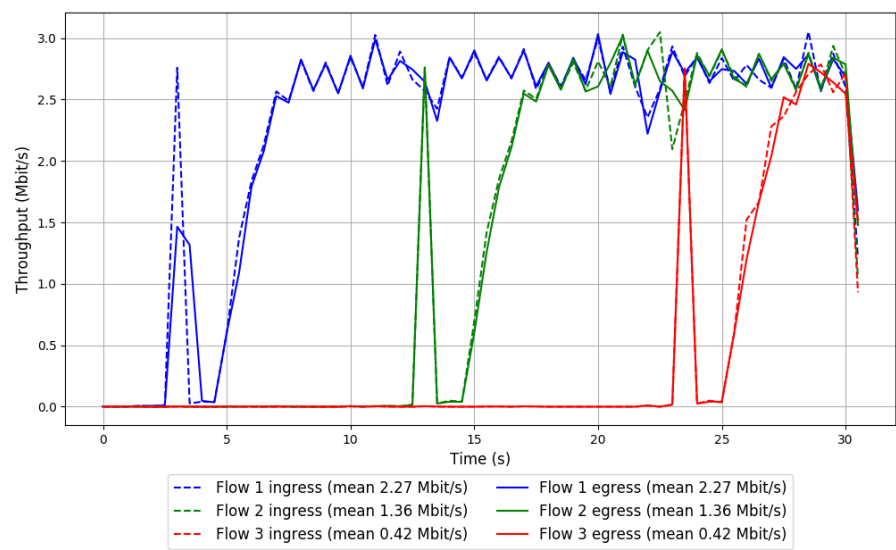
Figure is missing

Run 6: Statistics of WebRTC media

Start at: 2017-09-18 04:59:20  
End at: 2017-09-18 04:59:50  
Local clock offset: -0.322 ms  
Remote clock offset: -7.323 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 83.685 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.27 Mbit/s  
95th percentile per-packet one-way delay: 82.045 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.36 Mbit/s  
95th percentile per-packet one-way delay: 82.840 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 83.993 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-18 05:21:02

End at: 2017-09-18 05:21:32

Local clock offset: -0.145 ms

Remote clock offset: -8.35 ms

# Below is generated by plot.py at 2017-09-18 08:53:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 83.066 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 82.957 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 83.042 ms

Loss rate: 0.00%

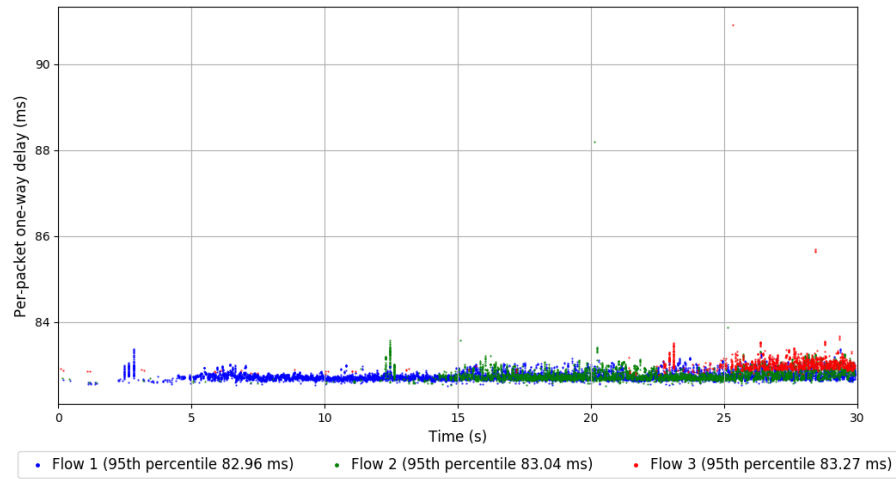
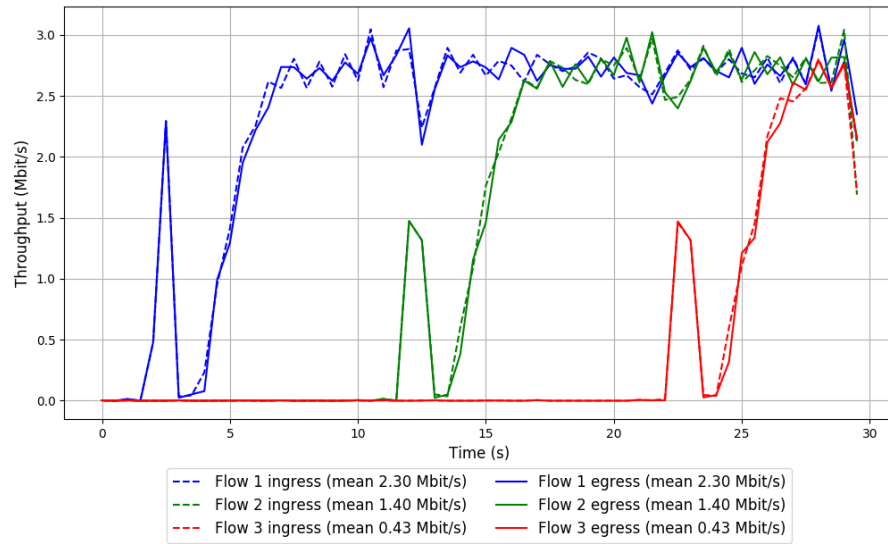
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 83.273 ms

Loss rate: 0.00%

## Run 7: Report of WebRTC media — Data Link

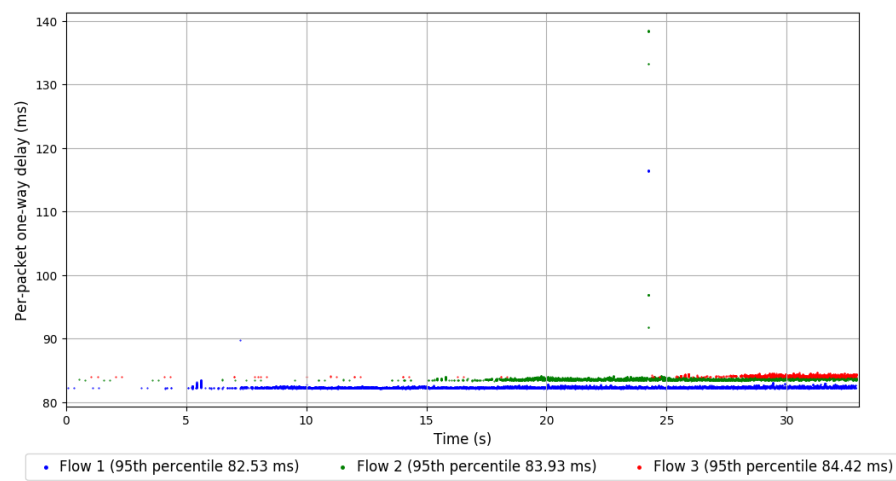
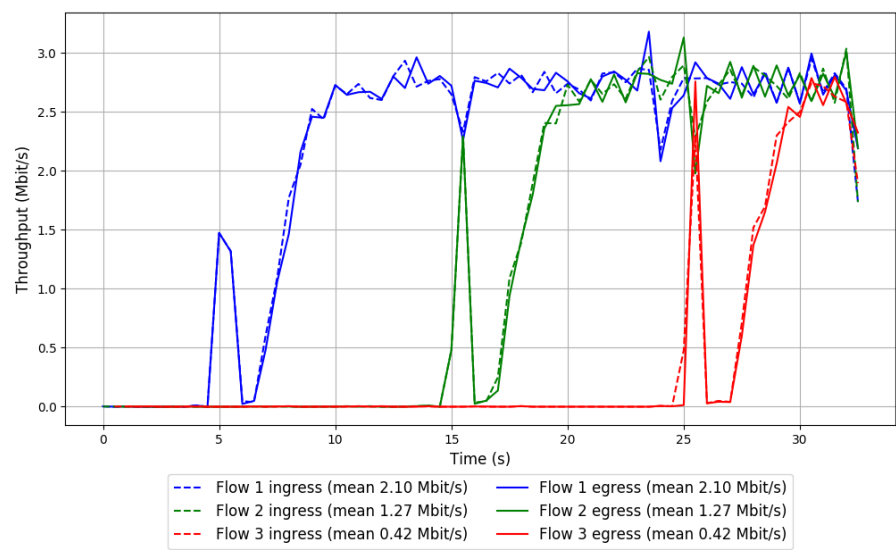


Run 8: Statistics of WebRTC media

Start at: 2017-09-18 05:42:53  
End at: 2017-09-18 05:43:23  
Local clock offset: 0.044 ms  
Remote clock offset: -7.045 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.76 Mbit/s  
95th percentile per-packet one-way delay: 84.160 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.10 Mbit/s  
95th percentile per-packet one-way delay: 82.529 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 83.929 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 84.420 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



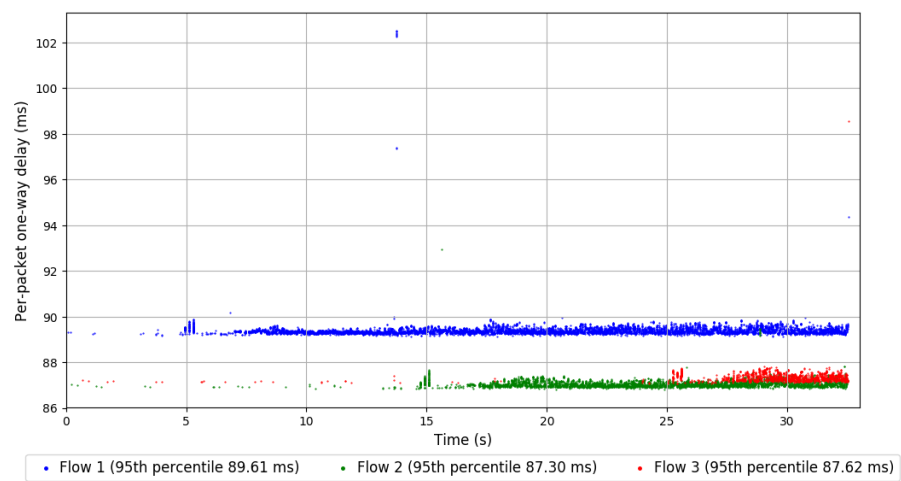
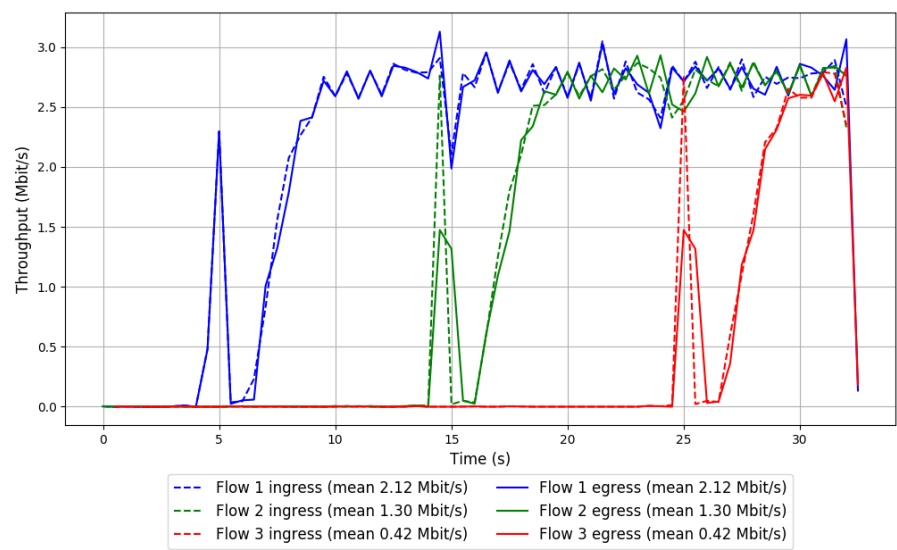
Run 9: Statistics of WebRTC media

Start at: 2017-09-18 06:04:39  
End at: 2017-09-18 06:05:09  
Local clock offset: 0.136 ms  
Remote clock offset: -1.337 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.82 Mbit/s  
95th percentile per-packet one-way delay: 89.549 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 89.606 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.30 Mbit/s  
95th percentile per-packet one-way delay: 87.296 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 87.619 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-18 06:26:35  
End at: 2017-09-18 06:27:05  
Local clock offset: 0.271 ms  
Remote clock offset: -3.519 ms

# Below is generated by plot.py at 2017-09-18 08:53:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.77 Mbit/s  
95th percentile per-packet one-way delay: 87.314 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 85.844 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 87.421 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 85.375 ms  
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

