

## Pantheon Report

Generated at 2018-03-27 22:01:14 (UTC).

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

Repeated the test of 17 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).

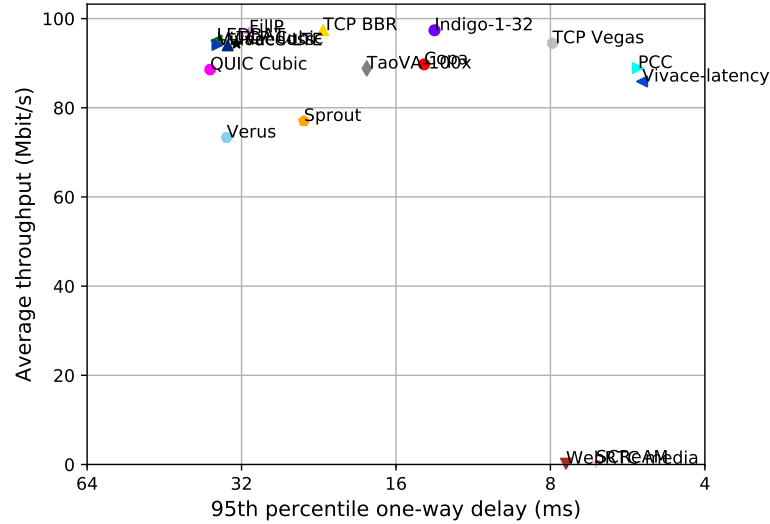
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

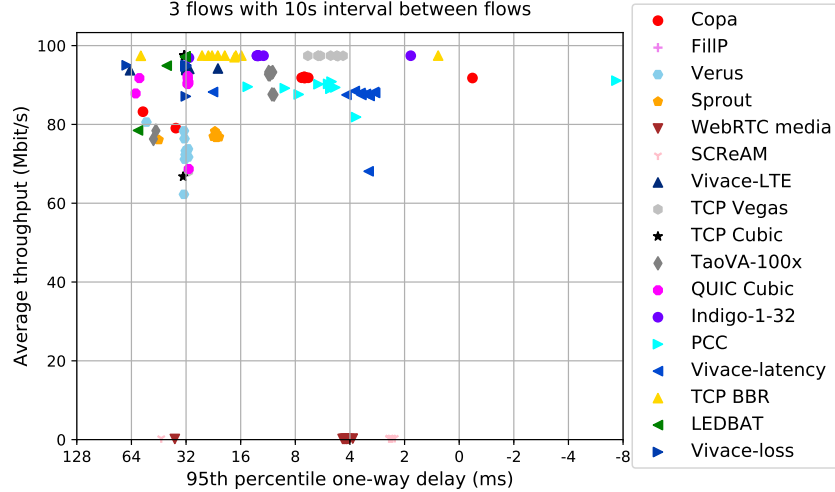
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	64.98	33.48	30.58	17.50	17.87	26.89	0.24	0.26	0.59
TCP Cubic	10	59.72	41.01	22.24	36.39	32.70	36.61	0.12	0.07	0.44
LEDBAT	10	58.24	43.99	22.77	36.20	32.20	43.73	0.05	0.05	0.42
PCC	10	72.82	18.97	10.53	3.88	8.50	7.61	0.00	0.01	0.00
QUIC Cubic	10	53.80	37.63	29.94	33.90	34.47	31.37	0.35	0.25	0.20
SCReAM	10	0.21	0.21	0.22	6.54	6.01	2.37	0.12	0.12	0.00
WebRTC media	10	0.06	0.07	0.06	4.08	4.05	7.91	0.00	0.24	0.02
Sprout	10	42.77	36.74	29.77	20.22	21.55	27.18	0.00	0.45	0.41
TaoVA-100x	10	49.10	42.32	34.70	17.83	11.42	18.26	0.46	0.07	0.80
TCP Vegas	10	44.99	47.26	54.21	12.21	5.40	4.63	0.02	0.00	0.00
Verus	10	43.90	30.30	28.82	28.70	34.77	31.47	8.99	19.73	23.86
Copa	10	57.82	32.20	31.54	13.89	8.64	10.82	0.02	0.01	0.21
FillP	10	58.26	41.57	33.36	30.92	30.95	30.97	16.97	24.07	31.82
Indigo-1-32	10	49.22	41.33	63.79	9.64	14.65	11.99	0.22	0.01	0.00
Vivace-latency	10	54.98	33.09	27.04	2.97	6.93	4.36	0.23	0.22	0.00
Vivace-loss	10	70.07	27.72	17.28	32.05	36.12	31.98	3.48	2.24	2.03
Vivace-LTE	10	62.31	36.94	21.57	30.65	34.68	34.90	0.35	0.89	1.26

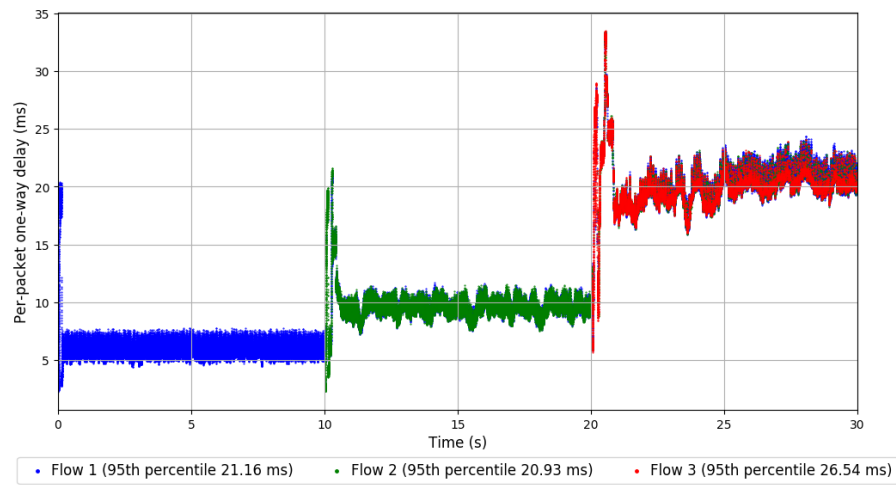
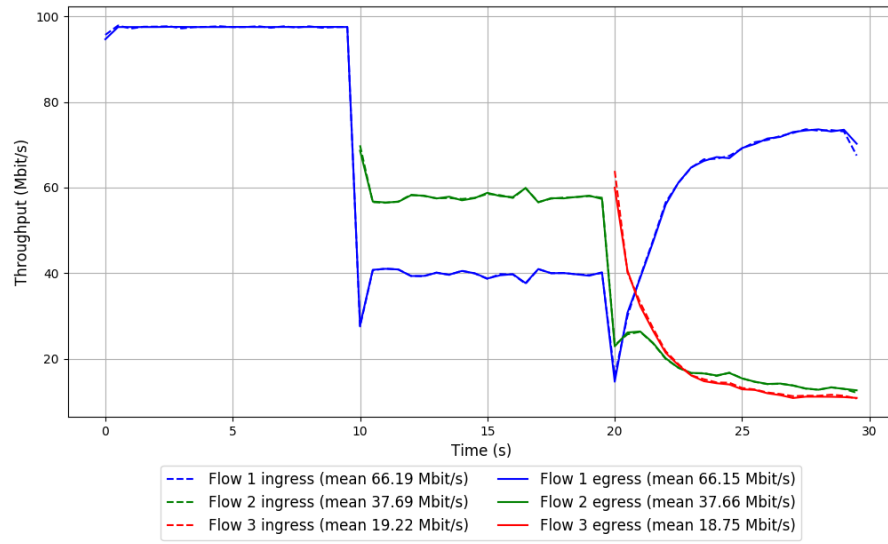
Run 1: Statistics of TCP BBR

Start at: 2018-03-27 17:47:17  
End at: 2018-03-27 17:47:47  
Local clock offset: -5.877 ms  
Remote clock offset: -6.637 ms

# Below is generated by plot.py at 2018-03-27 21:33:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 21.390 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 66.15 Mbit/s  
95th percentile per-packet one-way delay: 21.162 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 37.66 Mbit/s  
95th percentile per-packet one-way delay: 20.931 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 18.75 Mbit/s  
95th percentile per-packet one-way delay: 26.544 ms  
Loss rate: 2.36%



# Run 1: Report of TCP BBR — Data Link

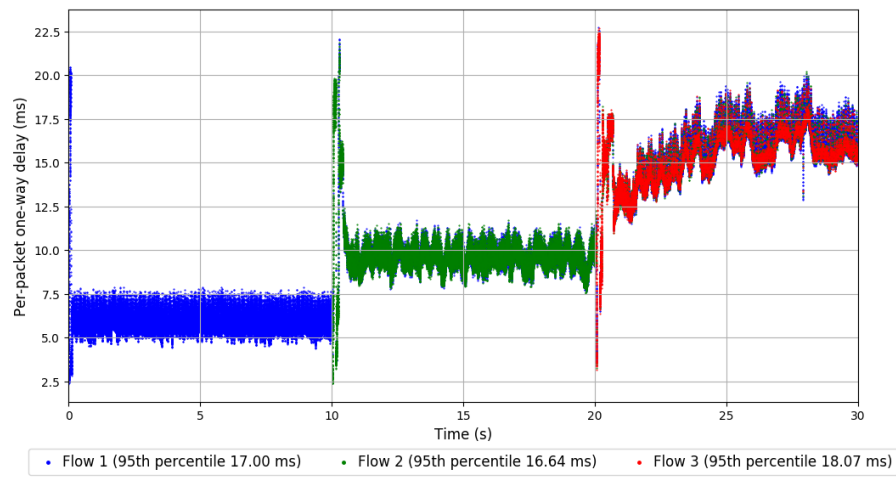
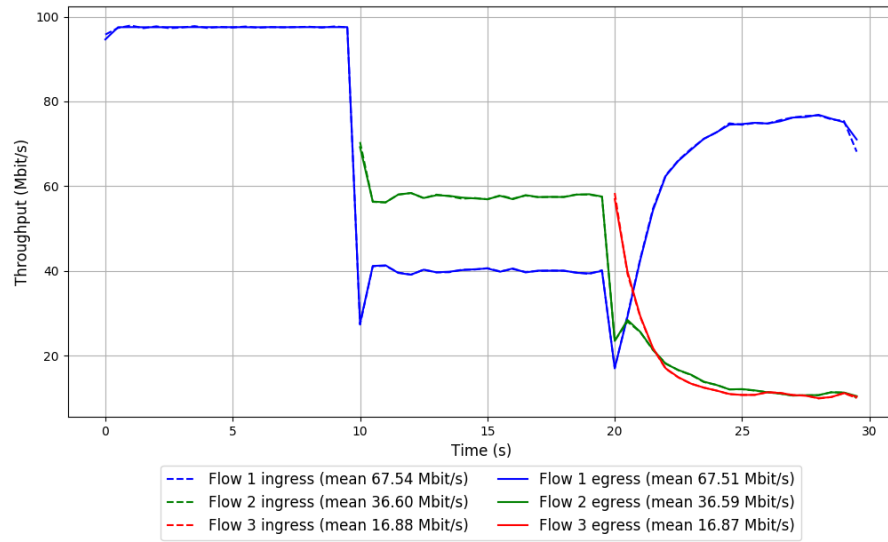


Run 2: Statistics of TCP BBR

Start at: 2018-03-27 18:07:49  
End at: 2018-03-27 18:08:19  
Local clock offset: -6.223 ms  
Remote clock offset: -6.726 ms

# Below is generated by plot.py at 2018-03-27 21:33:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 17.026 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.51 Mbit/s  
95th percentile per-packet one-way delay: 16.997 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.59 Mbit/s  
95th percentile per-packet one-way delay: 16.644 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 16.87 Mbit/s  
95th percentile per-packet one-way delay: 18.066 ms  
Loss rate: 0.00%

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

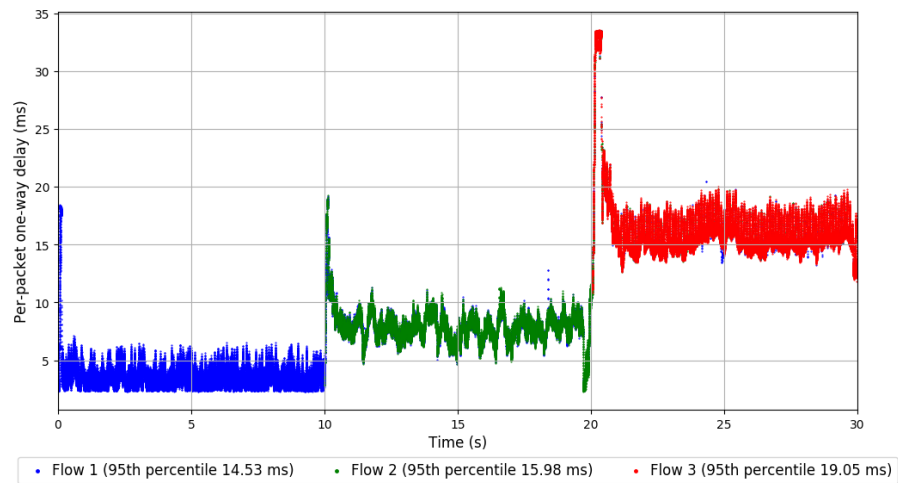
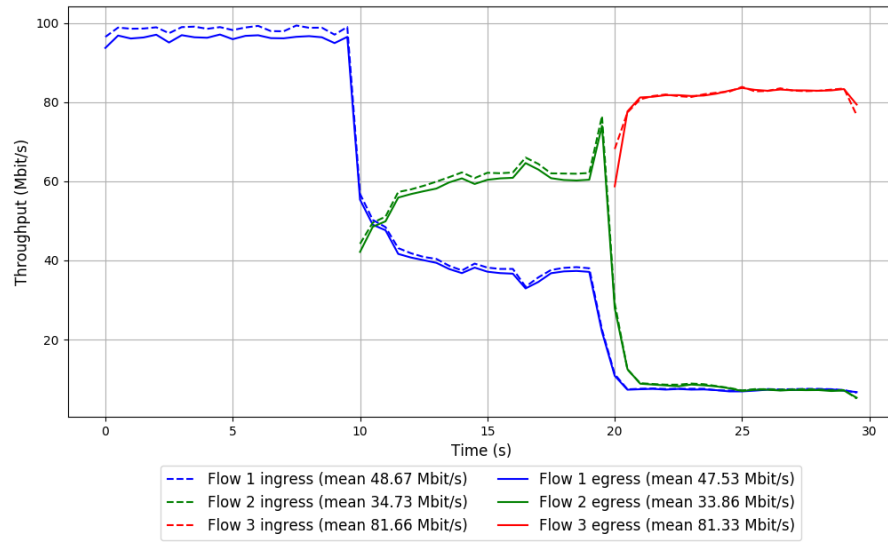


Run 3: Statistics of TCP BBR

Start at: 2018-03-27 18:28:21  
End at: 2018-03-27 18:28:51  
Local clock offset: -6.063 ms  
Remote clock offset: -6.797 ms

# Below is generated by plot.py at 2018-03-27 21:33:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 17.300 ms  
Loss rate: 1.82%  
-- Flow 1:  
Average throughput: 47.53 Mbit/s  
95th percentile per-packet one-way delay: 14.527 ms  
Loss rate: 2.31%  
-- Flow 2:  
Average throughput: 33.86 Mbit/s  
95th percentile per-packet one-way delay: 15.976 ms  
Loss rate: 2.48%  
-- Flow 3:  
Average throughput: 81.33 Mbit/s  
95th percentile per-packet one-way delay: 19.046 ms  
Loss rate: 0.39%

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

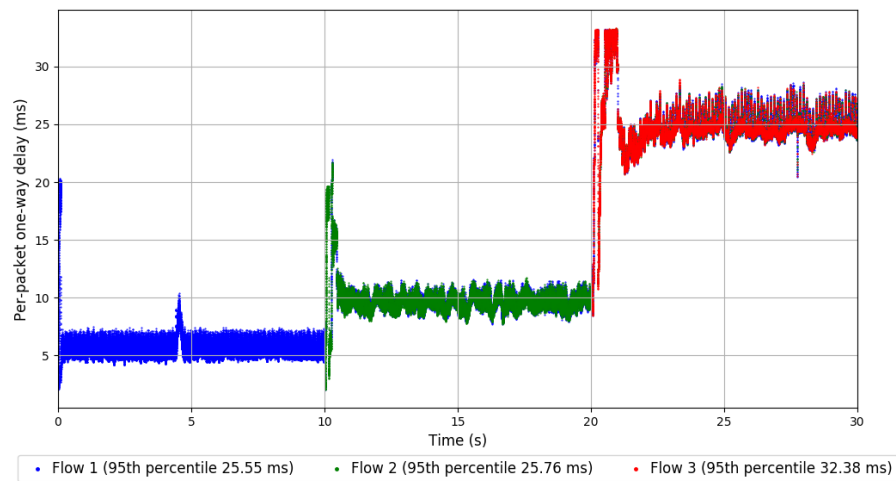
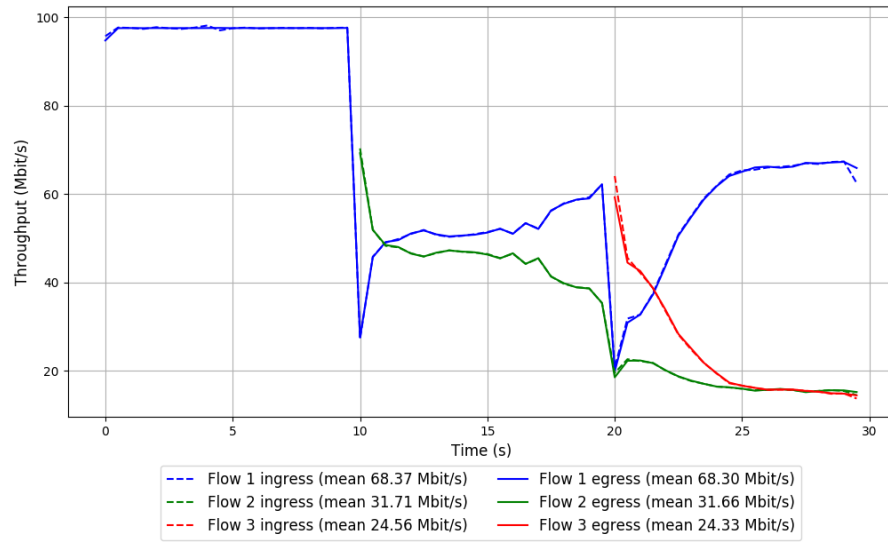


Run 4: Statistics of TCP BBR

Start at: 2018-03-27 18:48:53  
End at: 2018-03-27 18:49:23  
Local clock offset: -5.901 ms  
Remote clock offset: -6.957 ms

# Below is generated by plot.py at 2018-03-27 21:33:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 26.124 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 68.30 Mbit/s  
95th percentile per-packet one-way delay: 25.548 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 31.66 Mbit/s  
95th percentile per-packet one-way delay: 25.761 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 24.33 Mbit/s  
95th percentile per-packet one-way delay: 32.385 ms  
Loss rate: 0.78%

# Run 4: Report of TCP BBR — Data Link



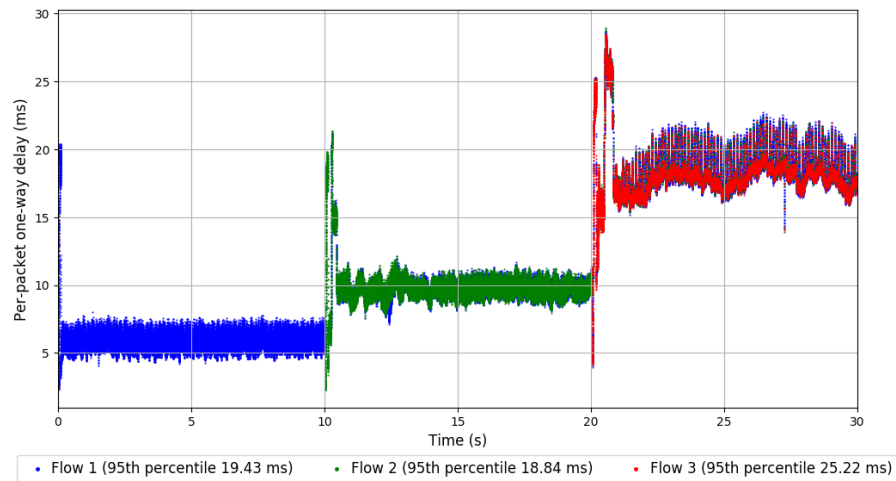
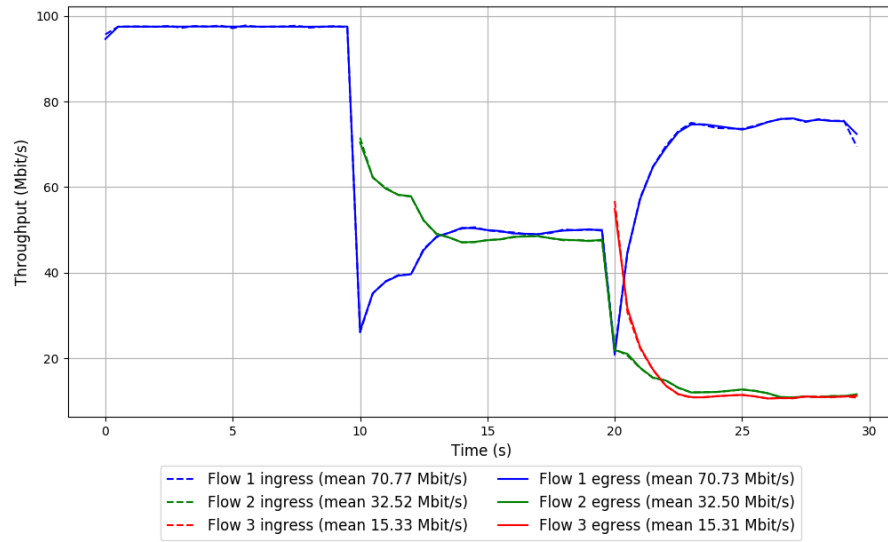
Run 5: Statistics of TCP BBR

Start at: 2018-03-27 19:09:23  
End at: 2018-03-27 19:09:53  
Local clock offset: -6.035 ms  
Remote clock offset: -6.628 ms

# Below is generated by plot.py at 2018-03-27 21:33:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 19.579 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.73 Mbit/s  
95th percentile per-packet one-way delay: 19.429 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.50 Mbit/s  
95th percentile per-packet one-way delay: 18.837 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 15.31 Mbit/s  
95th percentile per-packet one-way delay: 25.218 ms  
Loss rate: 0.00%



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

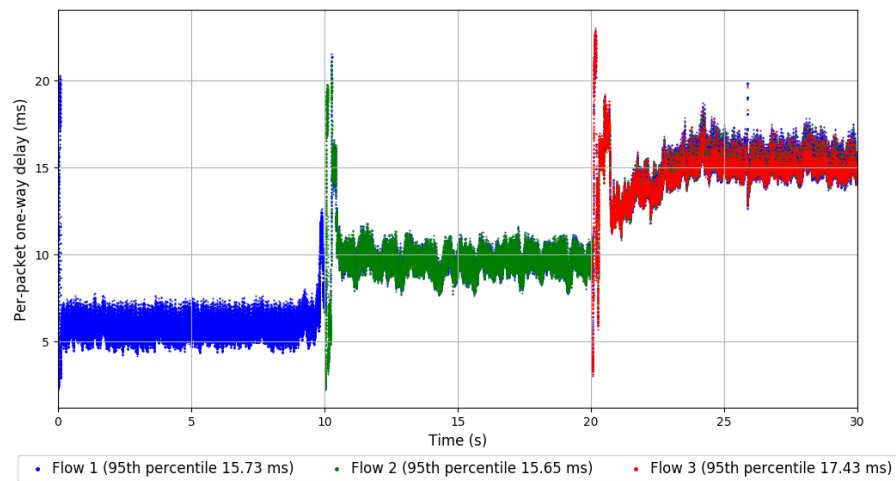
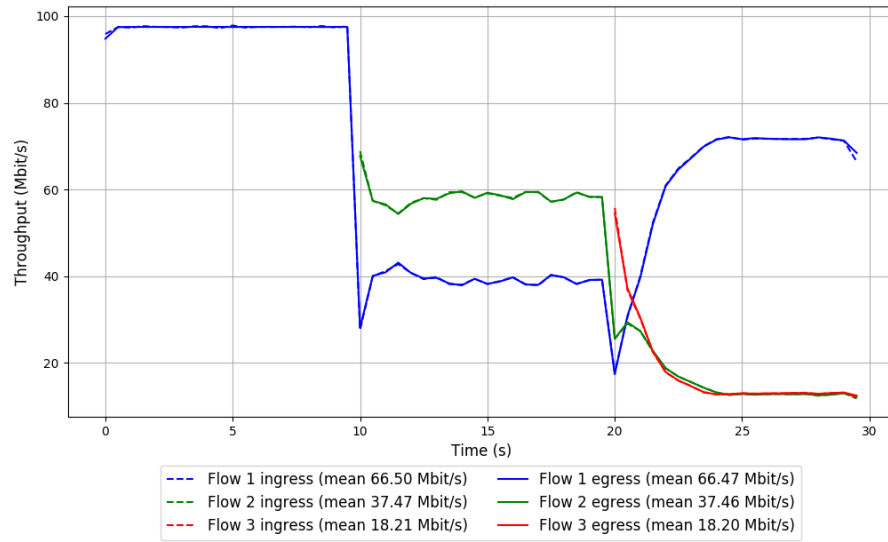


Run 6: Statistics of TCP BBR

Start at: 2018-03-27 19:29:54  
End at: 2018-03-27 19:30:24  
Local clock offset: -6.204 ms  
Remote clock offset: -6.509 ms

# Below is generated by plot.py at 2018-03-27 21:33:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.45 Mbit/s  
95th percentile per-packet one-way delay: 15.856 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 66.47 Mbit/s  
95th percentile per-packet one-way delay: 15.731 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 37.46 Mbit/s  
95th percentile per-packet one-way delay: 15.650 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 18.20 Mbit/s  
95th percentile per-packet one-way delay: 17.429 ms  
Loss rate: 0.00%

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

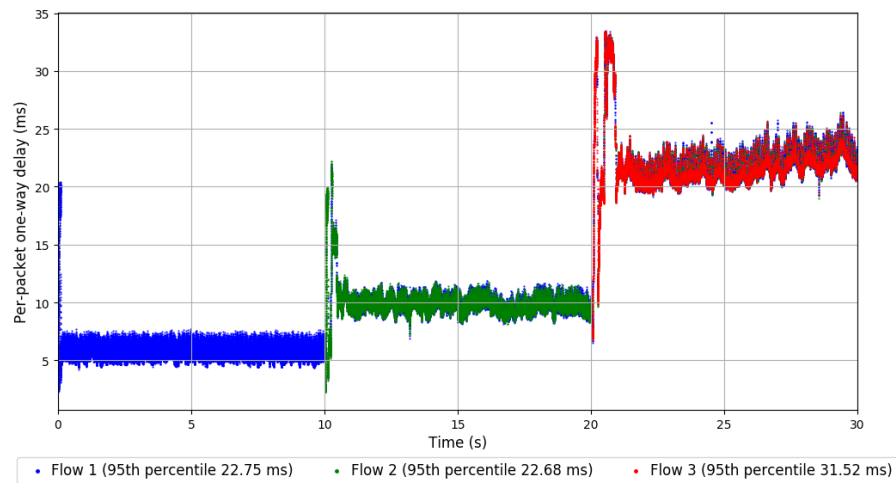
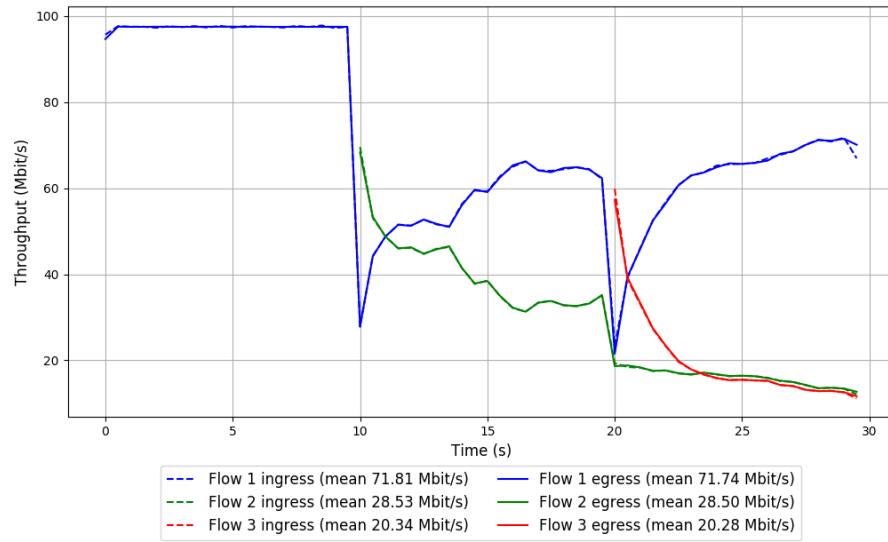


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 19:50:26  
End at: 2018-03-27 19:50:56  
Local clock offset: -6.008 ms  
Remote clock offset: -5.783 ms

# Below is generated by plot.py at 2018-03-27 21:33:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 23.007 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 71.74 Mbit/s  
95th percentile per-packet one-way delay: 22.750 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 28.50 Mbit/s  
95th percentile per-packet one-way delay: 22.685 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 20.28 Mbit/s  
95th percentile per-packet one-way delay: 31.516 ms  
Loss rate: 0.17%

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

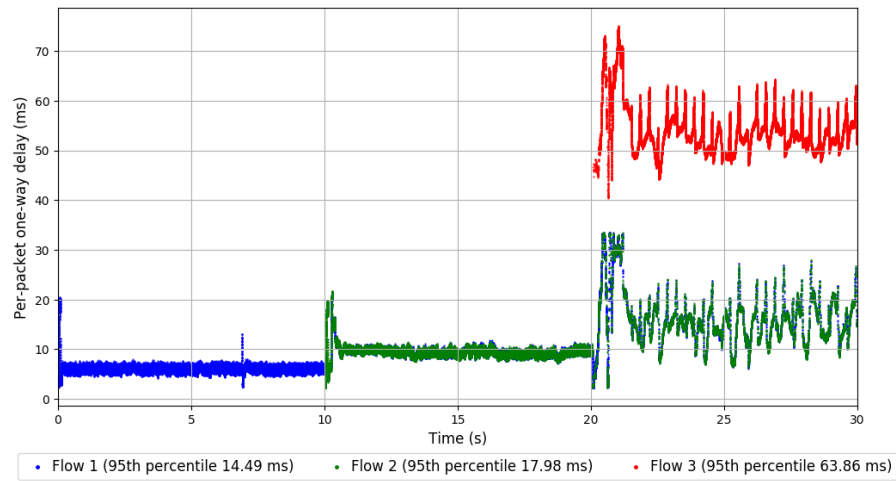
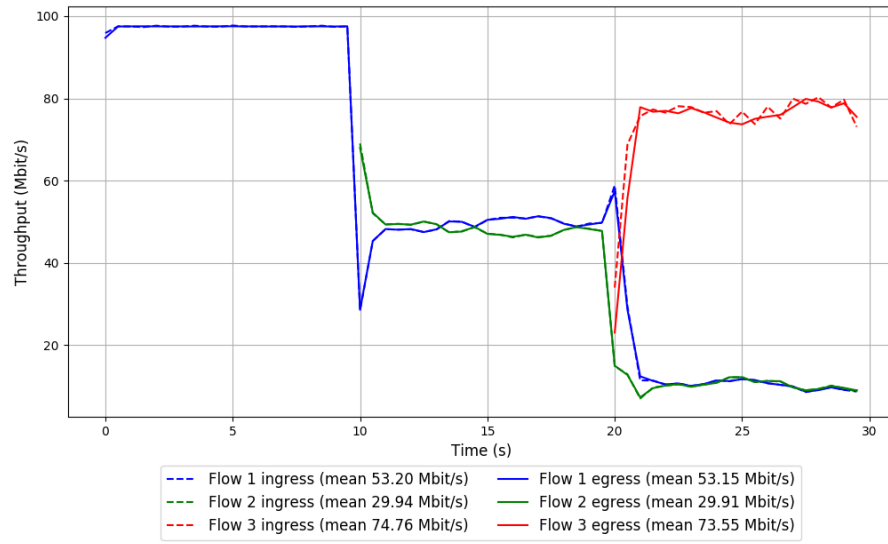


Run 8: Statistics of TCP BBR

Start at: 2018-03-27 20:10:54  
End at: 2018-03-27 20:11:24  
Local clock offset: -6.125 ms  
Remote clock offset: -4.955 ms

# Below is generated by plot.py at 2018-03-27 21:33:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.42 Mbit/s  
95th percentile per-packet one-way delay: 56.816 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 53.15 Mbit/s  
95th percentile per-packet one-way delay: 14.491 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 29.91 Mbit/s  
95th percentile per-packet one-way delay: 17.977 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 73.55 Mbit/s  
95th percentile per-packet one-way delay: 63.861 ms  
Loss rate: 1.93%

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



Run 9: Statistics of TCP BBR

Start at: 2018-03-27 20:31:27

End at: 2018-03-27 20:31:57

Local clock offset: -6.447 ms

Remote clock offset: -21.2 ms

# Below is generated by plot.py at 2018-03-27 21:35:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 0.770 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.72 Mbit/s

95th percentile per-packet one-way delay: 0.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.82 Mbit/s

95th percentile per-packet one-way delay: 0.209 ms

Loss rate: 0.00%

-- Flow 3:

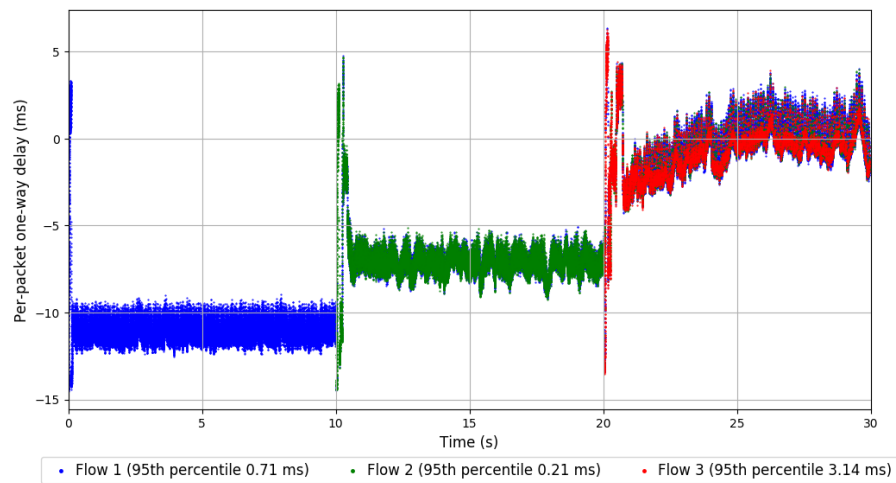
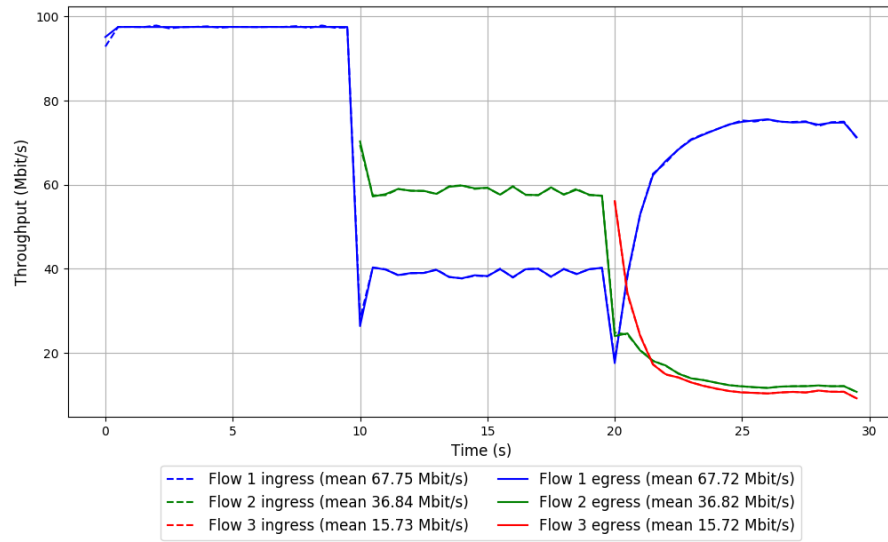
Average throughput: 15.72 Mbit/s

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

Loss rate: 0.00%



# Run 9: Report of TCP BBR — Data Link

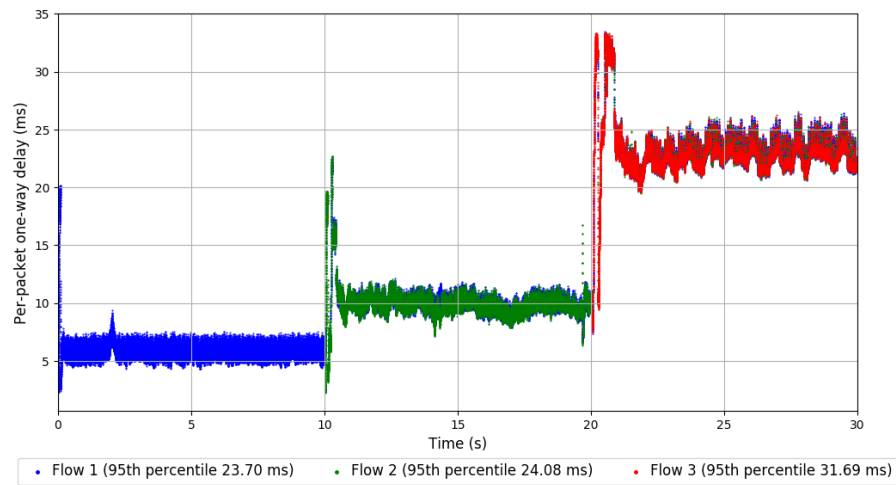
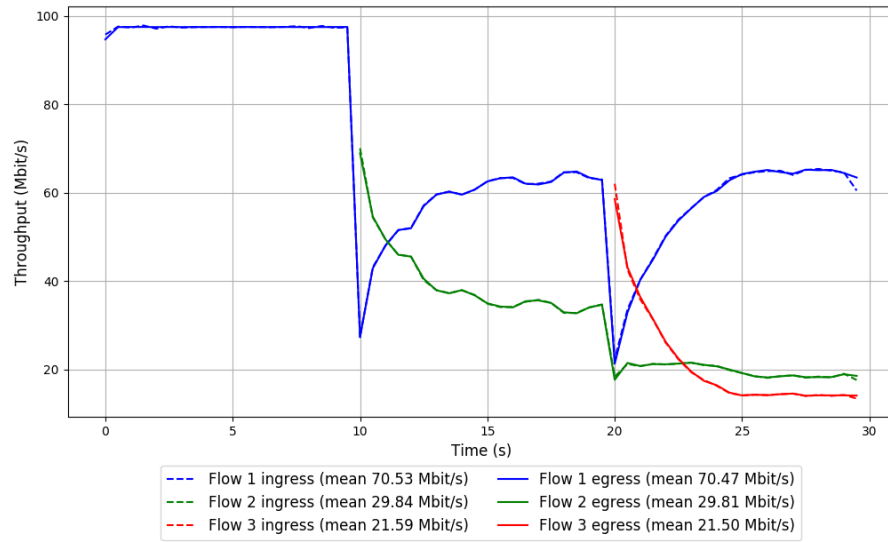


Run 10: Statistics of TCP BBR

Start at: 2018-03-27 20:52:00  
End at: 2018-03-27 20:52:30  
Local clock offset: -6.506 ms  
Remote clock offset: -3.835 ms

# Below is generated by plot.py at 2018-03-27 21:35:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 24.112 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 70.47 Mbit/s  
95th percentile per-packet one-way delay: 23.703 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 29.81 Mbit/s  
95th percentile per-packet one-way delay: 24.076 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 21.50 Mbit/s  
95th percentile per-packet one-way delay: 31.687 ms  
Loss rate: 0.26%

# Run 10: Report of TCP BBR — Data Link

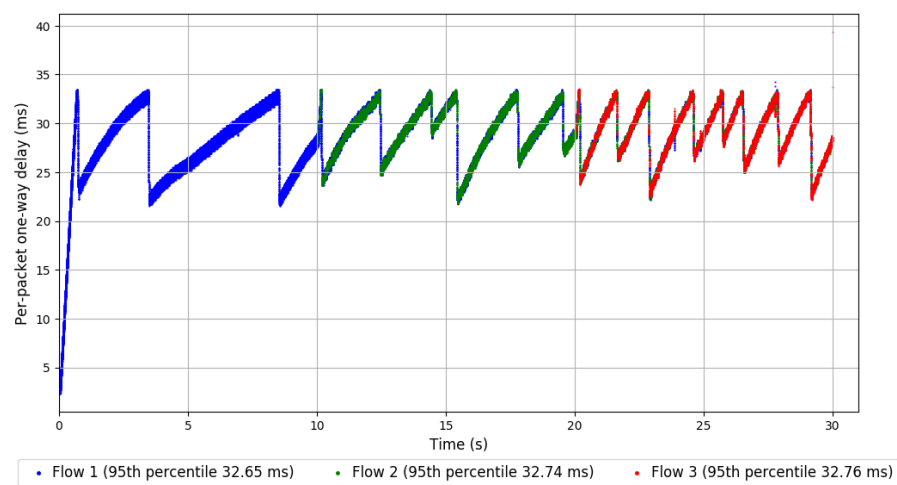
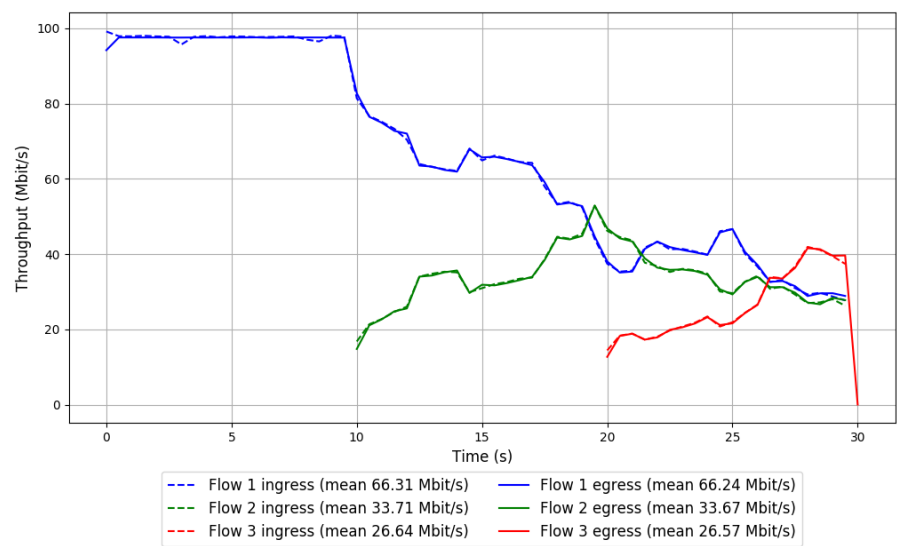


Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 17:43:51  
End at: 2018-03-27 17:44:21  
Local clock offset: -5.951 ms  
Remote clock offset: -6.671 ms

# Below is generated by plot.py at 2018-03-27 21:35:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 32.697 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 66.24 Mbit/s  
95th percentile per-packet one-way delay: 32.647 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 33.67 Mbit/s  
95th percentile per-packet one-way delay: 32.742 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 26.57 Mbit/s  
95th percentile per-packet one-way delay: 32.761 ms  
Loss rate: 0.16%

Run 1: Report of TCP Cubic — Data Link

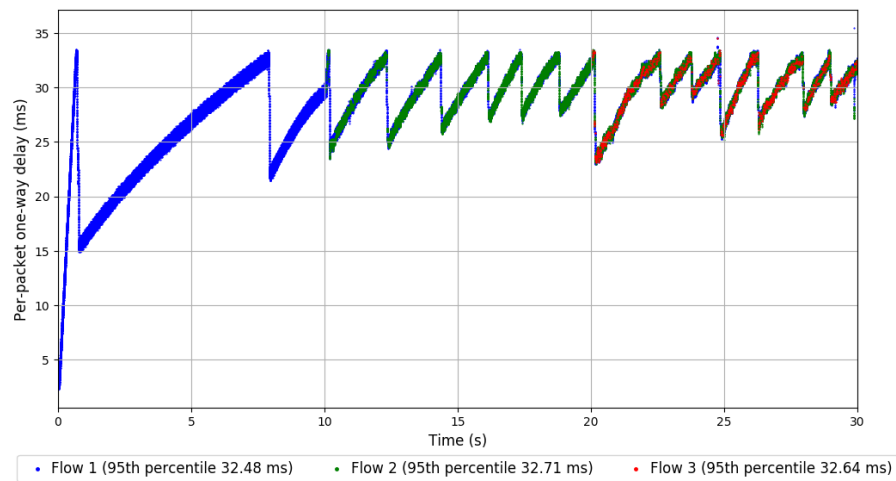
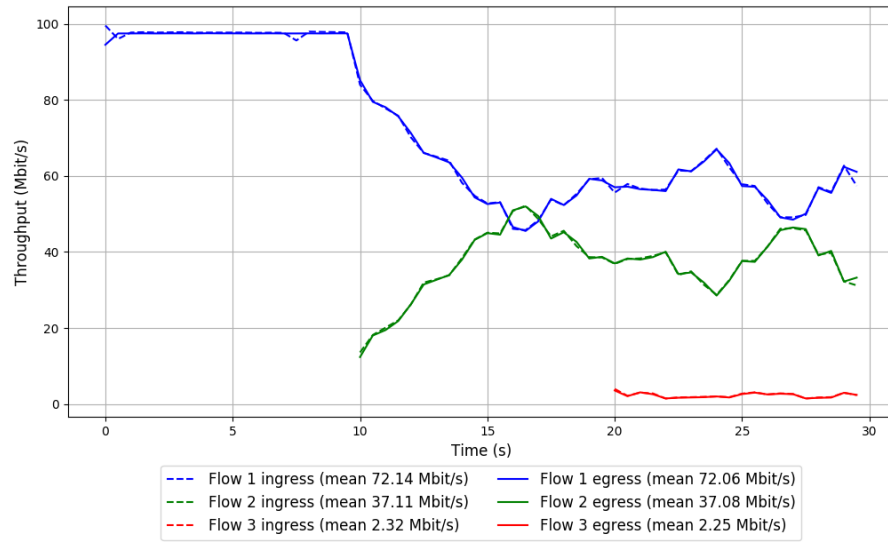


Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 18:04:23  
End at: 2018-03-27 18:04:53  
Local clock offset: -6.105 ms  
Remote clock offset: -6.71 ms

# Below is generated by plot.py at 2018-03-27 21:35:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.601 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 72.06 Mbit/s  
95th percentile per-packet one-way delay: 32.484 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 37.08 Mbit/s  
95th percentile per-packet one-way delay: 32.708 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 2.25 Mbit/s  
95th percentile per-packet one-way delay: 32.636 ms  
Loss rate: 3.07%

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



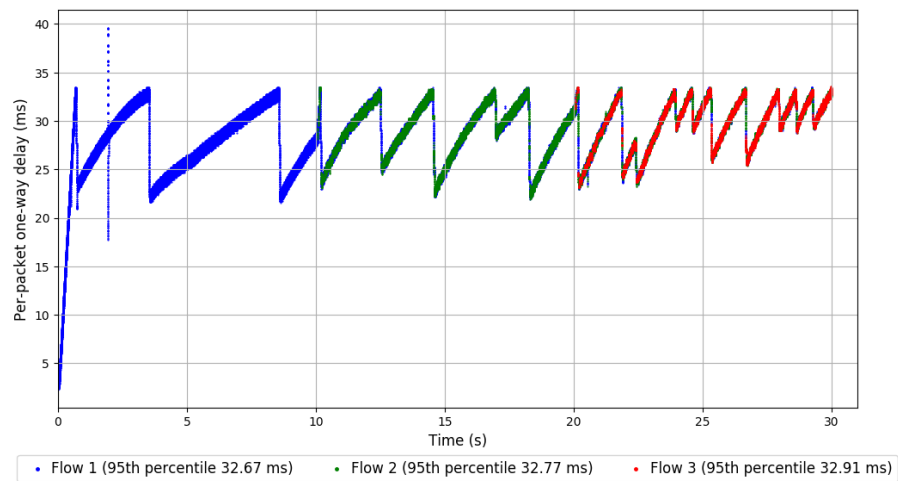
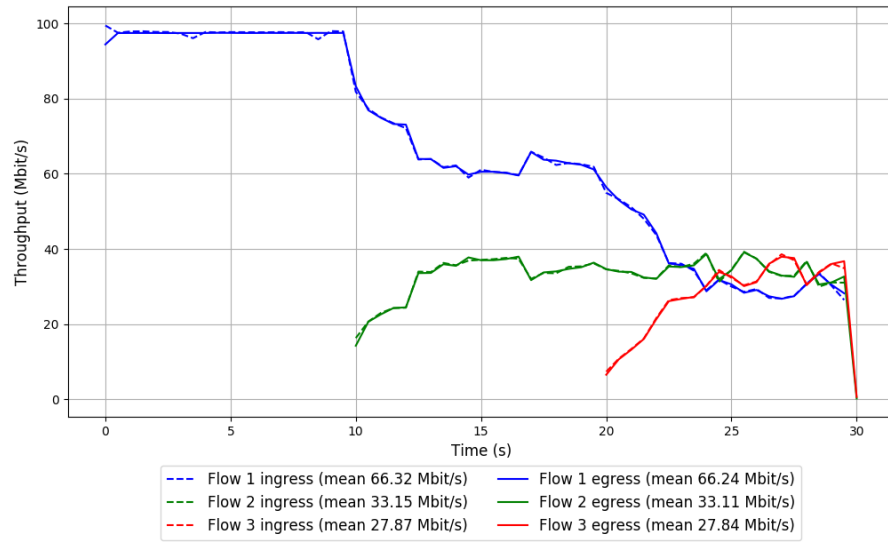
Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 18:24:56  
End at: 2018-03-27 18:25:26  
Local clock offset: -6.168 ms  
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-03-27 21:35:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.730 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 66.24 Mbit/s  
95th percentile per-packet one-way delay: 32.669 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 33.11 Mbit/s  
95th percentile per-packet one-way delay: 32.773 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 27.84 Mbit/s  
95th percentile per-packet one-way delay: 32.906 ms  
Loss rate: 0.07%



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

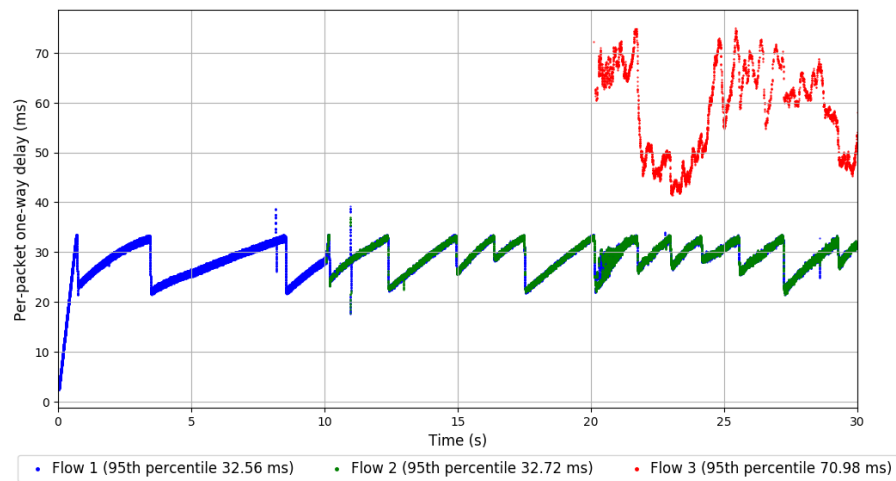
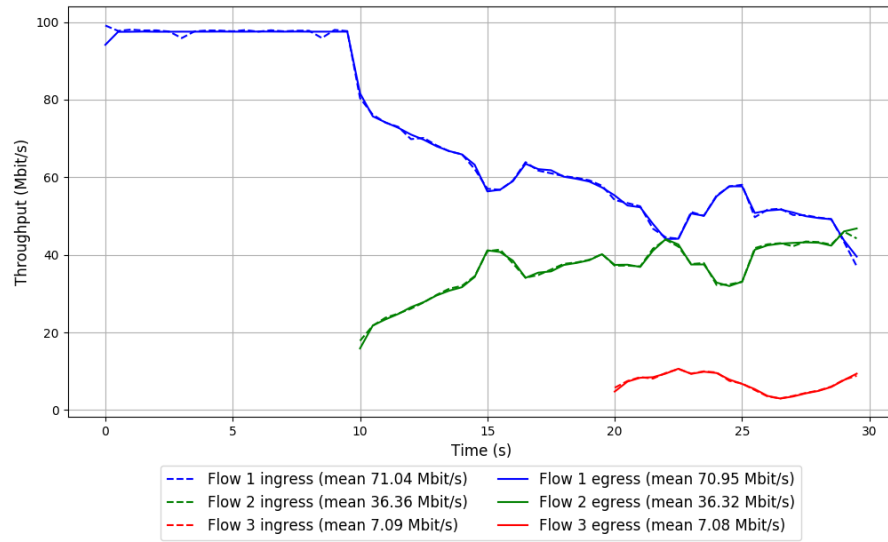


Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 18:45:28  
End at: 2018-03-27 18:45:58  
Local clock offset: -5.976 ms  
Remote clock offset: -6.705 ms

# Below is generated by plot.py at 2018-03-27 21:35:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.45 Mbit/s  
95th percentile per-packet one-way delay: 32.807 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 70.95 Mbit/s  
95th percentile per-packet one-way delay: 32.565 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 36.32 Mbit/s  
95th percentile per-packet one-way delay: 32.718 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 7.08 Mbit/s  
95th percentile per-packet one-way delay: 70.977 ms  
Loss rate: 0.51%

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

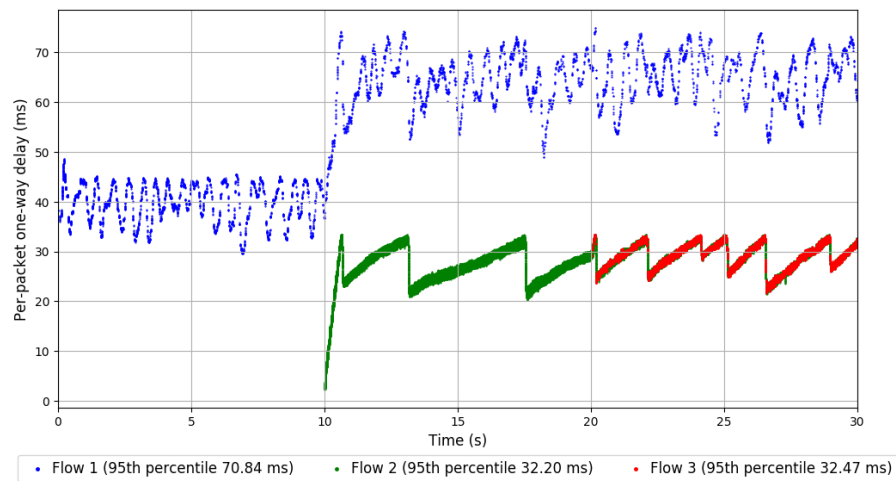
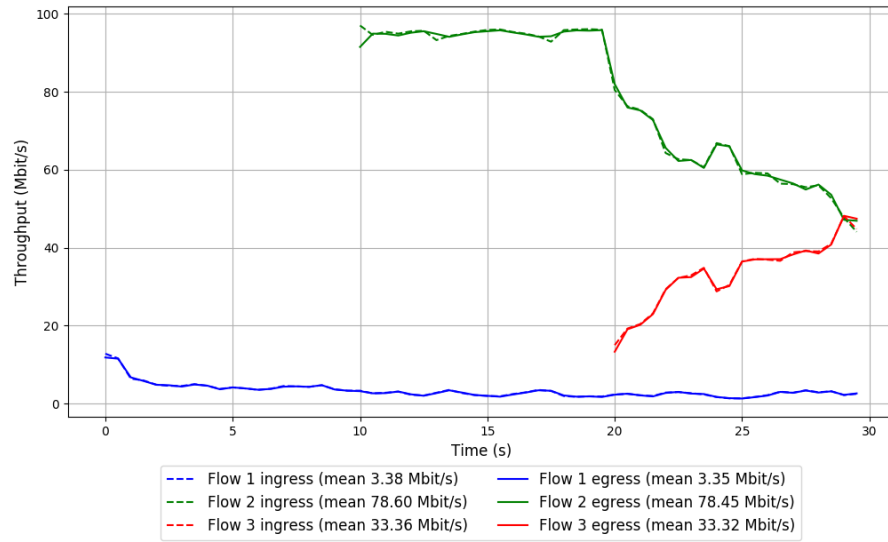


Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 19:05:58  
End at: 2018-03-27 19:06:28  
Local clock offset: -5.997 ms  
Remote clock offset: -6.624 ms

# Below is generated by plot.py at 2018-03-27 21:35:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.76 Mbit/s  
95th percentile per-packet one-way delay: 33.204 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 3.35 Mbit/s  
95th percentile per-packet one-way delay: 70.840 ms  
Loss rate: 0.97%  
-- Flow 2:  
Average throughput: 78.45 Mbit/s  
95th percentile per-packet one-way delay: 32.195 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 33.32 Mbit/s  
95th percentile per-packet one-way delay: 32.470 ms  
Loss rate: 0.12%

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

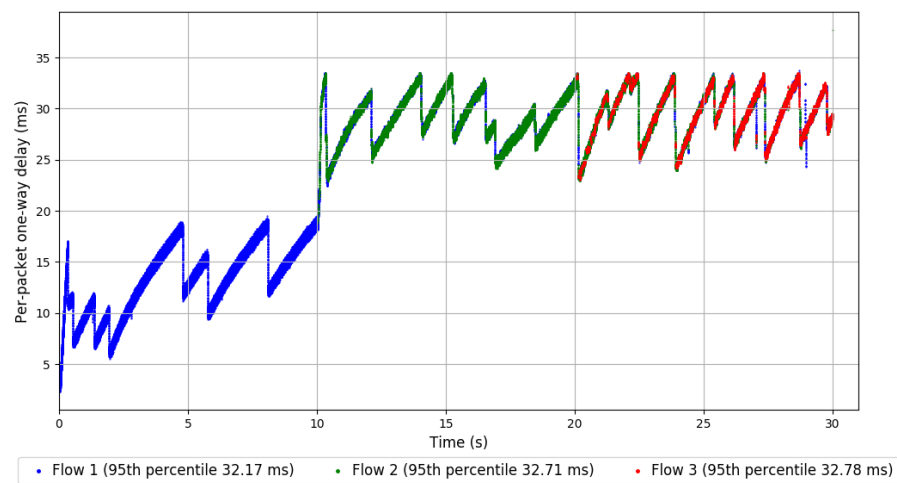
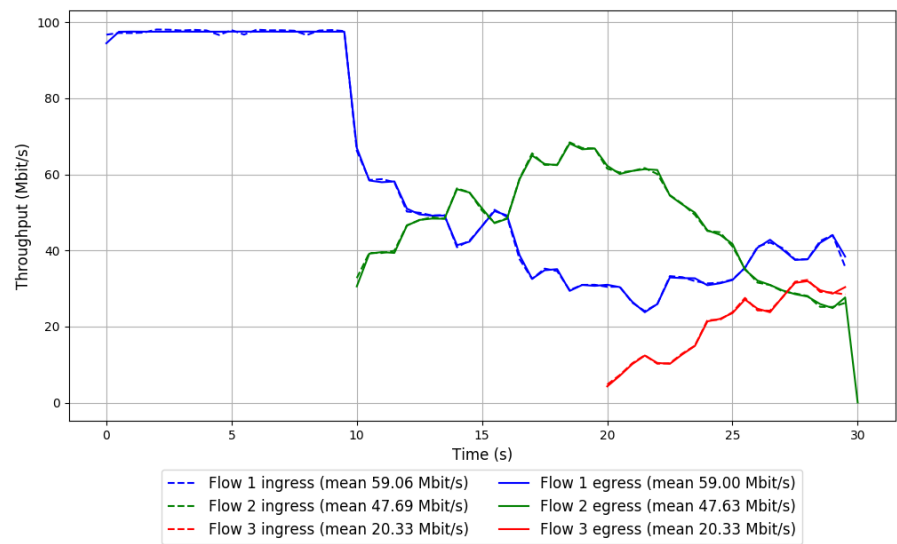


Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 19:26:27  
End at: 2018-03-27 19:26:57  
Local clock offset: -6.2 ms  
Remote clock offset: -6.457 ms

# Below is generated by plot.py at 2018-03-27 21:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 32.481 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 59.00 Mbit/s  
95th percentile per-packet one-way delay: 32.166 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 47.63 Mbit/s  
95th percentile per-packet one-way delay: 32.710 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 20.33 Mbit/s  
95th percentile per-packet one-way delay: 32.784 ms  
Loss rate: 0.08%

Run 6: Report of TCP Cubic — Data Link



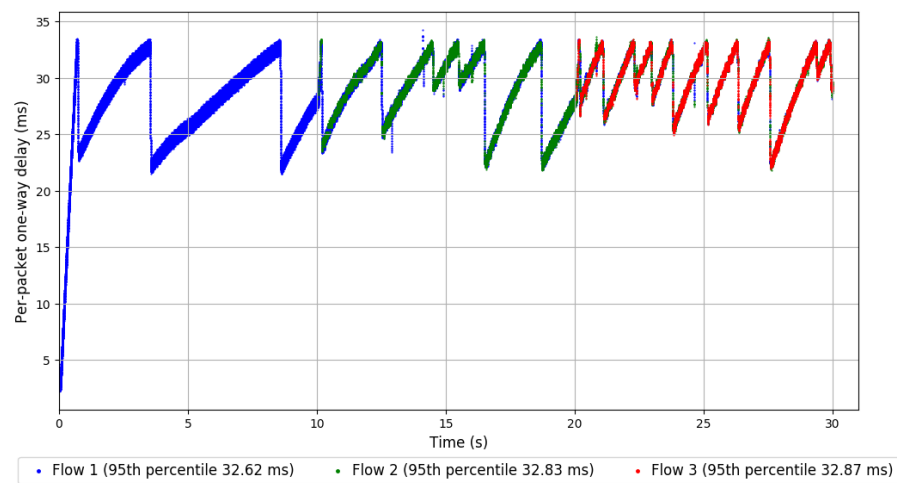
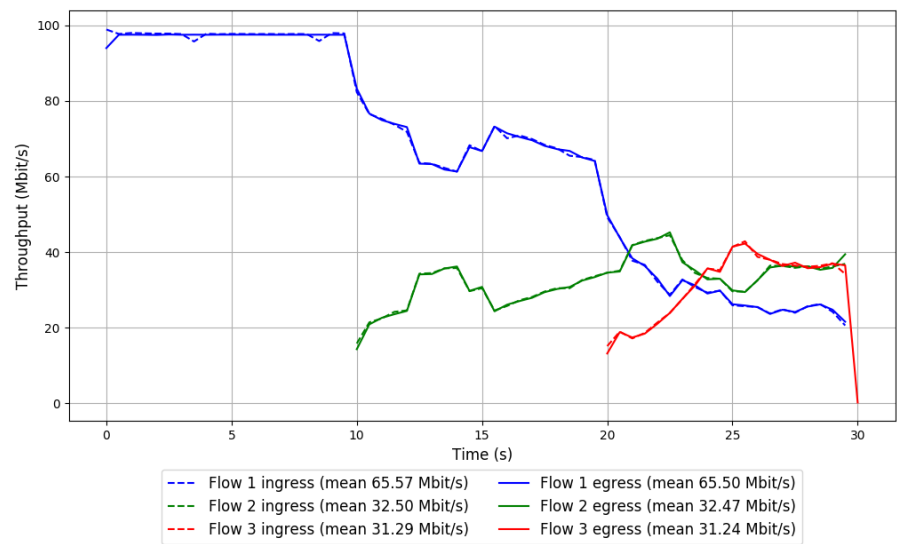
Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 19:46:59  
End at: 2018-03-27 19:47:29  
Local clock offset: -6.017 ms  
Remote clock offset: -6.089 ms

# Below is generated by plot.py at 2018-03-27 21:35:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 32.667 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 65.50 Mbit/s  
95th percentile per-packet one-way delay: 32.625 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 32.47 Mbit/s  
95th percentile per-packet one-way delay: 32.831 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 31.24 Mbit/s  
95th percentile per-packet one-way delay: 32.871 ms  
Loss rate: 0.16%



Run 7: Report of TCP Cubic — Data Link

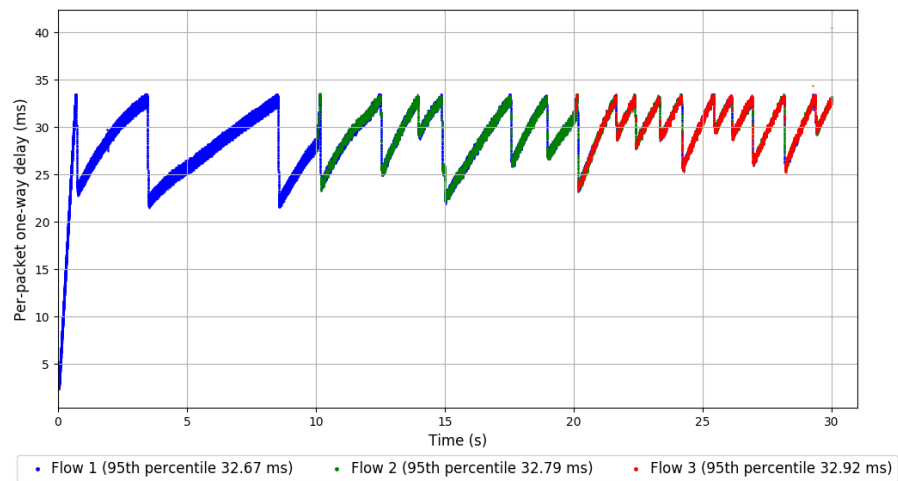
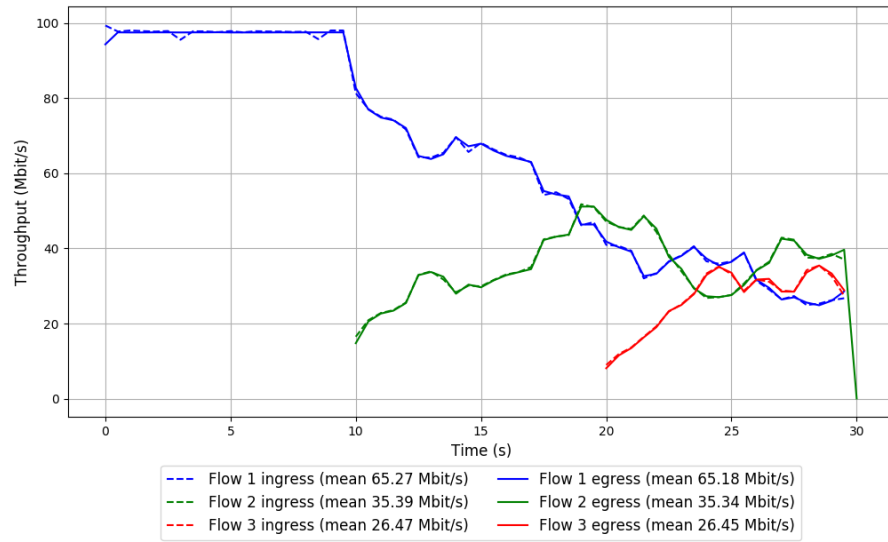


Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 20:07:28  
End at: 2018-03-27 20:07:58  
Local clock offset: -6.04 ms  
Remote clock offset: -5.072 ms

# Below is generated by plot.py at 2018-03-27 21:36:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 32.706 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 65.18 Mbit/s  
95th percentile per-packet one-way delay: 32.669 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 35.34 Mbit/s  
95th percentile per-packet one-way delay: 32.790 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 32.924 ms  
Loss rate: 0.09%

# Run 8: Report of TCP Cubic — Data Link

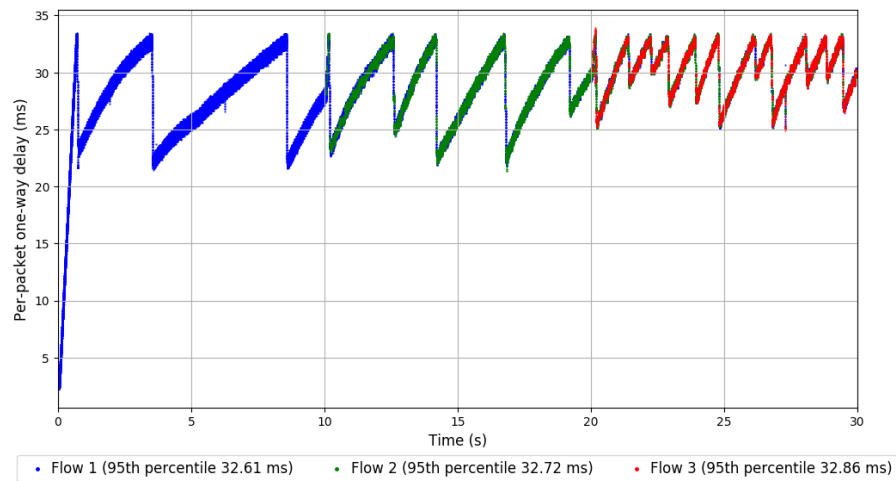
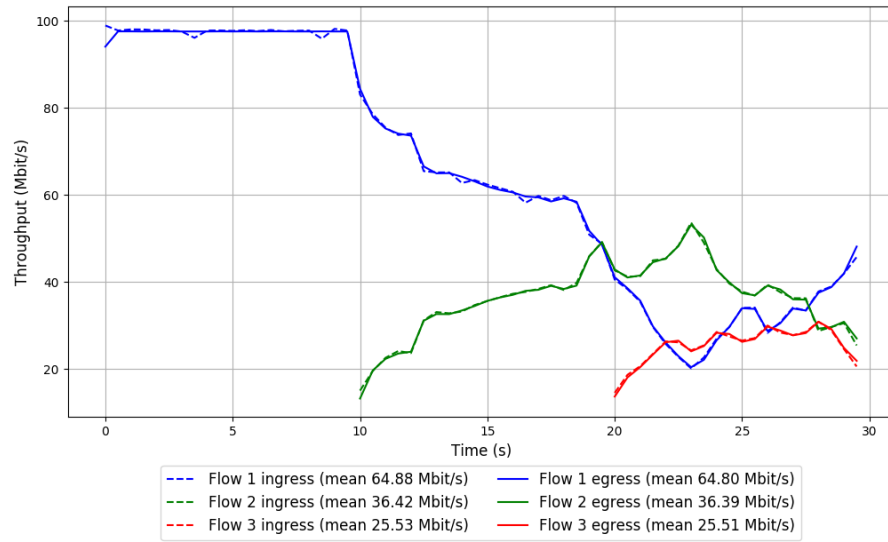


Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 20:28:01  
End at: 2018-03-27 20:28:31  
Local clock offset: -6.372 ms  
Remote clock offset: -4.522 ms

# Below is generated by plot.py at 2018-03-27 21:36:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.654 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 64.80 Mbit/s  
95th percentile per-packet one-way delay: 32.608 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 36.39 Mbit/s  
95th percentile per-packet one-way delay: 32.722 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 25.51 Mbit/s  
95th percentile per-packet one-way delay: 32.856 ms  
Loss rate: 0.08%

# Run 9: Report of TCP Cubic — Data Link

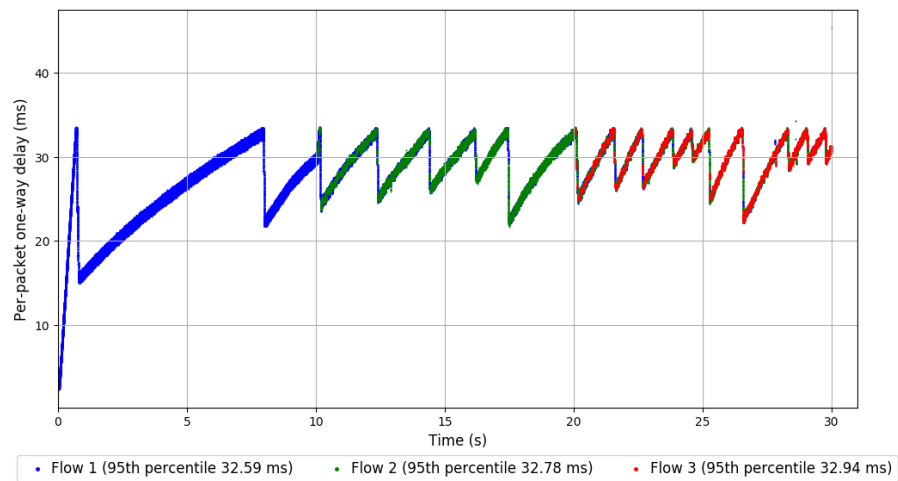
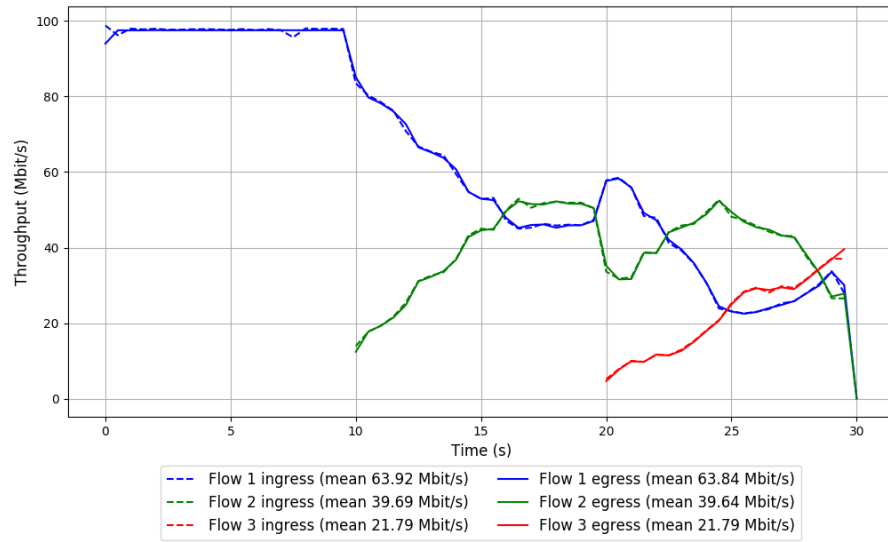


Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 20:48:33  
End at: 2018-03-27 20:49:03  
Local clock offset: -6.564 ms  
Remote clock offset: -3.939 ms

# Below is generated by plot.py at 2018-03-27 21:36:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 32.725 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 63.84 Mbit/s  
95th percentile per-packet one-way delay: 32.585 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 39.64 Mbit/s  
95th percentile per-packet one-way delay: 32.781 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 21.79 Mbit/s  
95th percentile per-packet one-way delay: 32.935 ms  
Loss rate: 0.04%

# Run 10: Report of TCP Cubic — Data Link



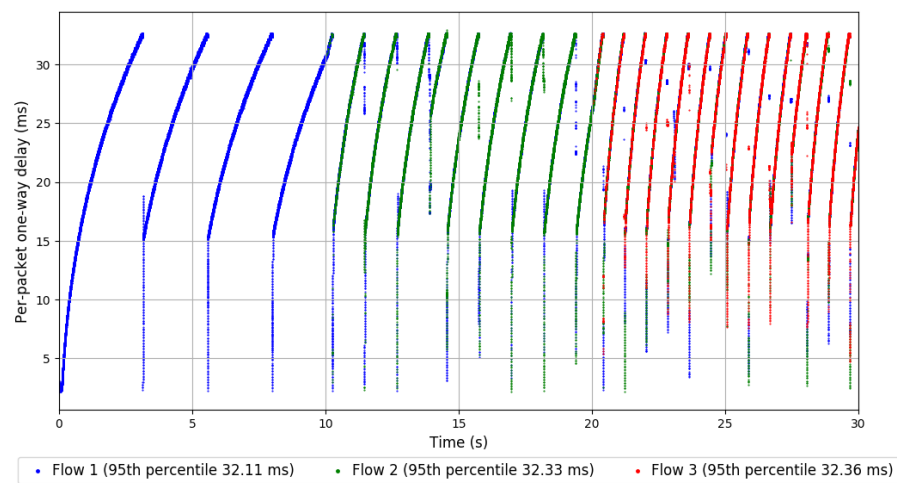
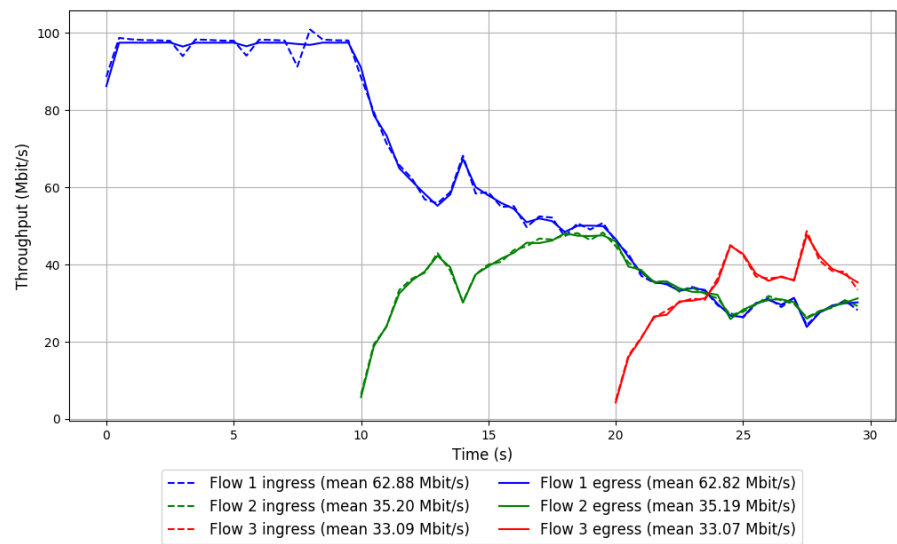
Run 1: Statistics of LEDBAT

Start at: 2018-03-27 17:54:07  
End at: 2018-03-27 17:54:37  
Local clock offset: -5.968 ms  
Remote clock offset: -6.748 ms

# Below is generated by plot.py at 2018-03-27 21:36:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 32.263 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.82 Mbit/s  
95th percentile per-packet one-way delay: 32.108 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 35.19 Mbit/s  
95th percentile per-packet one-way delay: 32.329 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 33.07 Mbit/s  
95th percentile per-packet one-way delay: 32.358 ms  
Loss rate: 0.09%



Run 1: Report of LEDBAT — Data Link

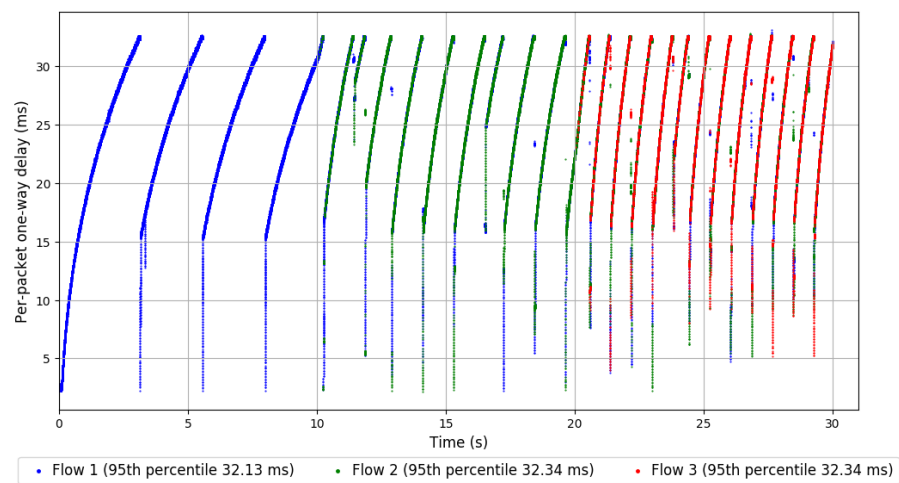
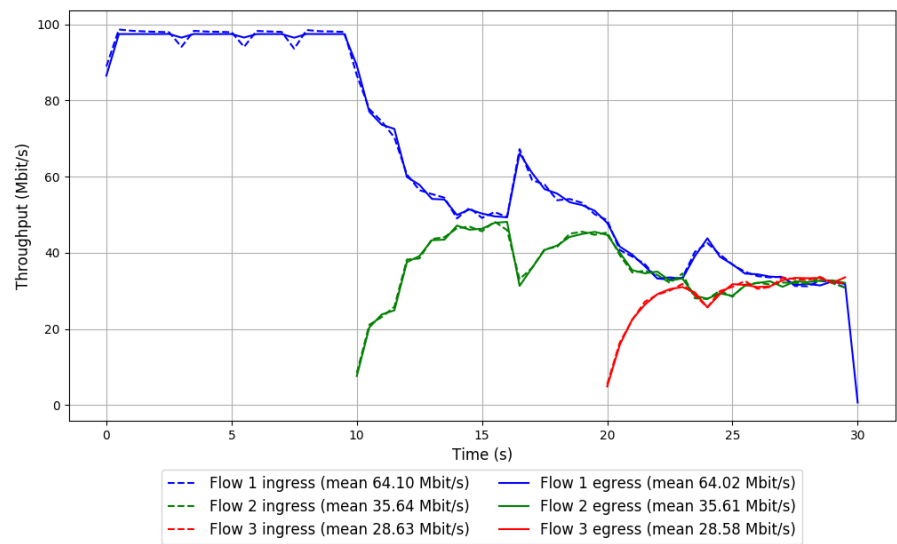


Run 2: Statistics of LEDBAT

Start at: 2018-03-27 18:14:38  
End at: 2018-03-27 18:15:08  
Local clock offset: -6.134 ms  
Remote clock offset: -6.816 ms

# Below is generated by plot.py at 2018-03-27 21:36:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 32.277 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 64.02 Mbit/s  
95th percentile per-packet one-way delay: 32.130 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 35.61 Mbit/s  
95th percentile per-packet one-way delay: 32.343 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 28.58 Mbit/s  
95th percentile per-packet one-way delay: 32.341 ms  
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link

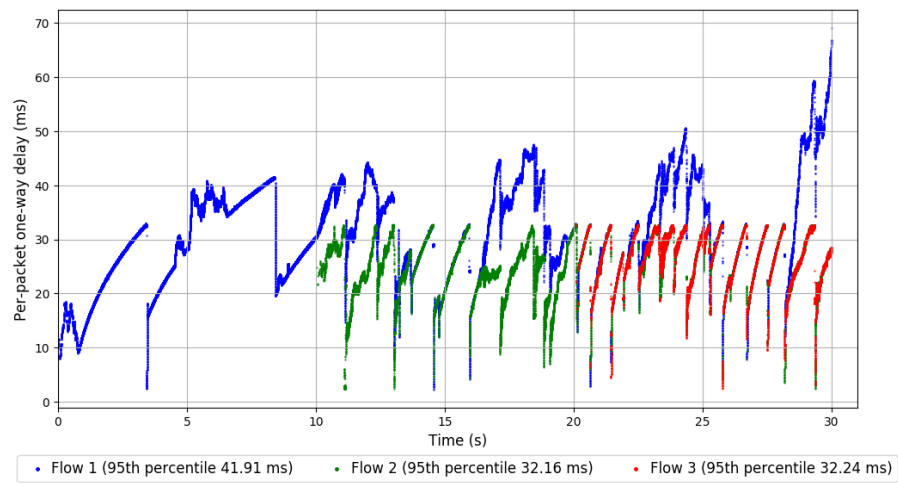
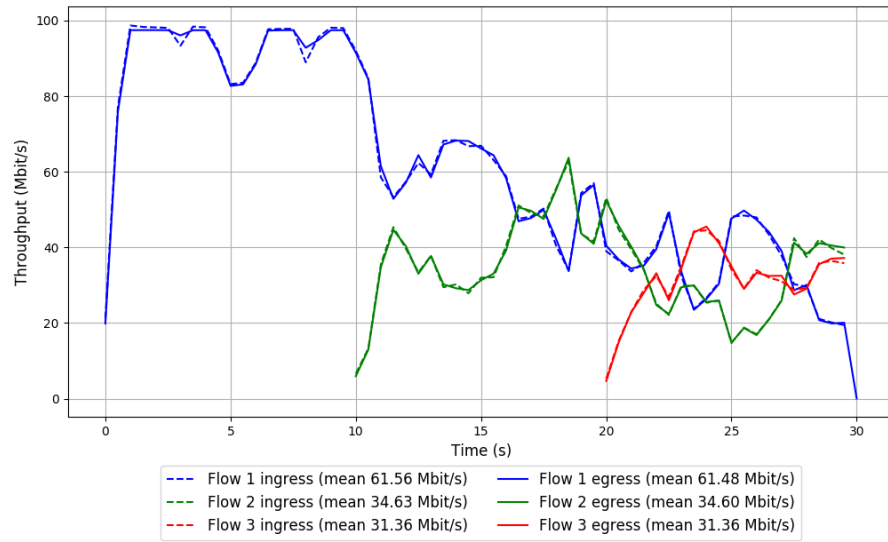


Run 3: Statistics of LEDBAT

Start at: 2018-03-27 18:35:11  
End at: 2018-03-27 18:35:41  
Local clock offset: -5.97 ms  
Remote clock offset: -6.816 ms

# Below is generated by plot.py at 2018-03-27 21:36:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.90 Mbit/s  
95th percentile per-packet one-way delay: 40.910 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 61.48 Mbit/s  
95th percentile per-packet one-way delay: 41.914 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 34.60 Mbit/s  
95th percentile per-packet one-way delay: 32.165 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 31.36 Mbit/s  
95th percentile per-packet one-way delay: 32.242 ms  
Loss rate: 0.06%

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

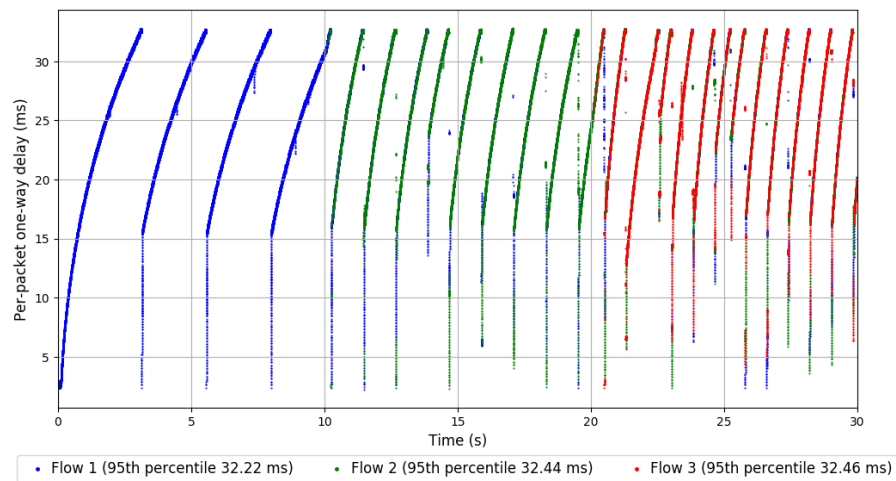
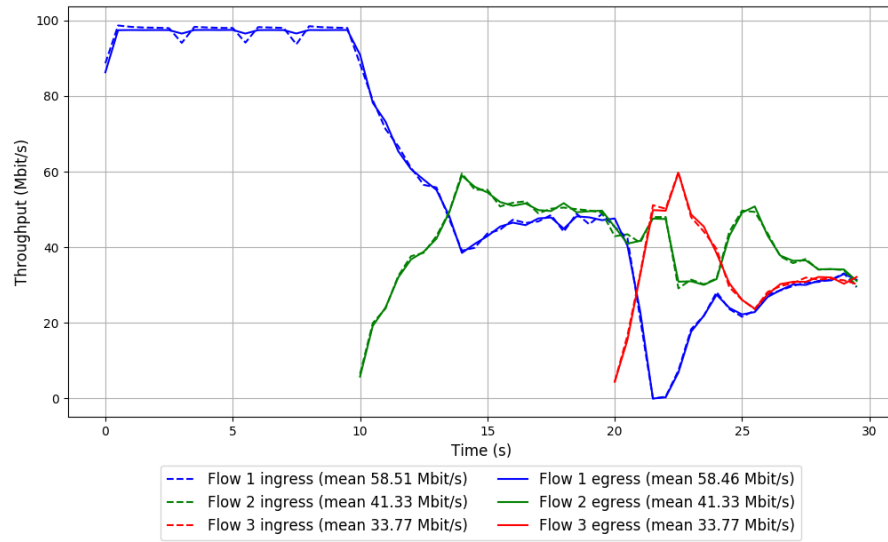


Run 4: Statistics of LEDBAT

Start at: 2018-03-27 18:55:41  
End at: 2018-03-27 18:56:11  
Local clock offset: -5.892 ms  
Remote clock offset: -6.643 ms

# Below is generated by plot.py at 2018-03-27 21:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 32.383 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 58.46 Mbit/s  
95th percentile per-packet one-way delay: 32.222 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 41.33 Mbit/s  
95th percentile per-packet one-way delay: 32.435 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 33.77 Mbit/s  
95th percentile per-packet one-way delay: 32.463 ms  
Loss rate: 0.07%

# Run 4: Report of LEDBAT — Data Link



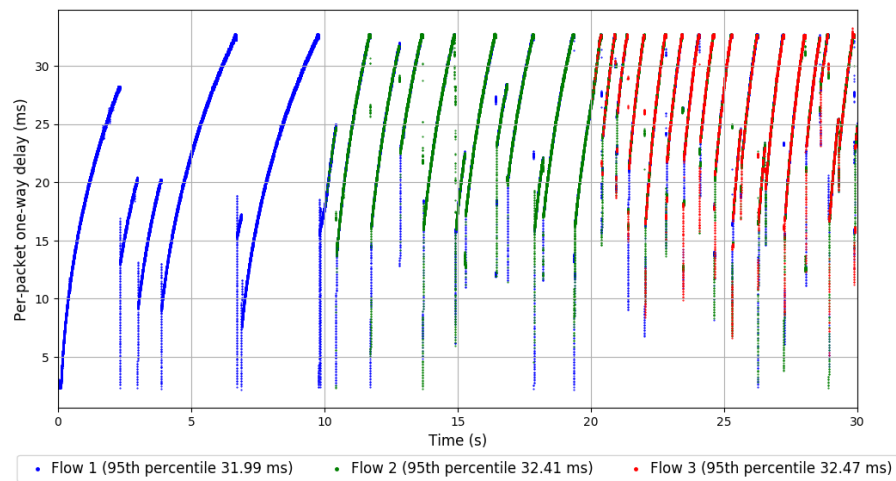
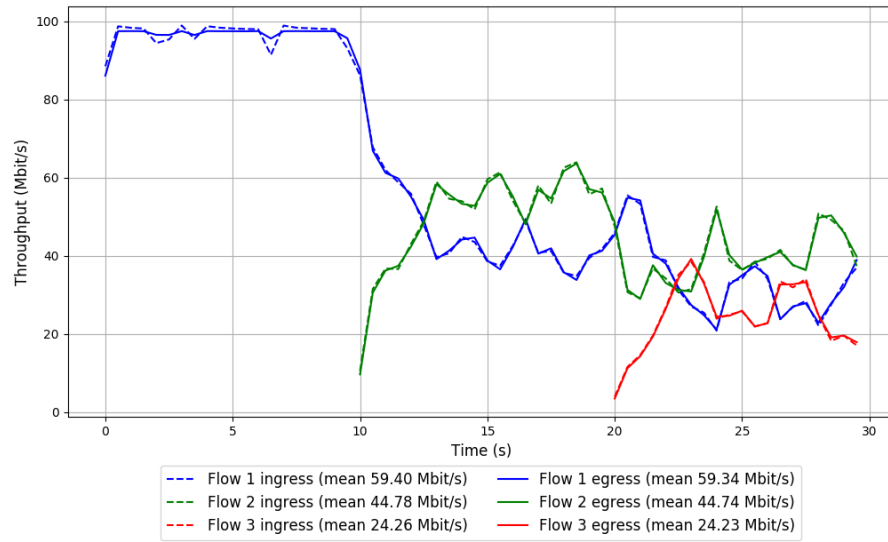
Run 5: Statistics of LEDBAT

Start at: 2018-03-27 19:16:11  
End at: 2018-03-27 19:16:41  
Local clock offset: -6.108 ms  
Remote clock offset: -6.51 ms

# Below is generated by plot.py at 2018-03-27 21:37:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 32.218 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 59.34 Mbit/s  
95th percentile per-packet one-way delay: 31.987 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 44.74 Mbit/s  
95th percentile per-packet one-way delay: 32.413 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 24.23 Mbit/s  
95th percentile per-packet one-way delay: 32.466 ms  
Loss rate: 0.15%



# Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-27 19:36:42

End at: 2018-03-27 19:37:12

Local clock offset: -6.116 ms

Remote clock offset: -6.4 ms

# Below is generated by plot.py at 2018-03-27 21:38:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 32.230 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 66.36 Mbit/s

95th percentile per-packet one-way delay: 32.162 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 45.05 Mbit/s

95th percentile per-packet one-way delay: 32.206 ms

Loss rate: 0.03%

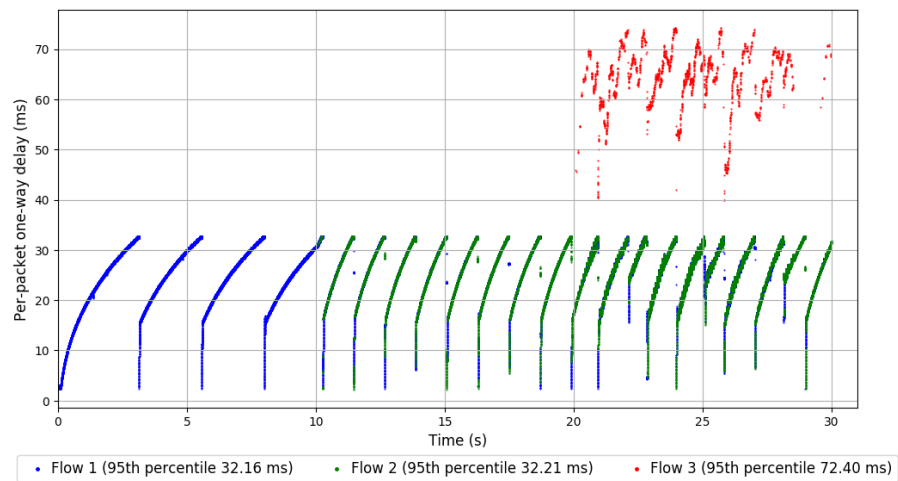
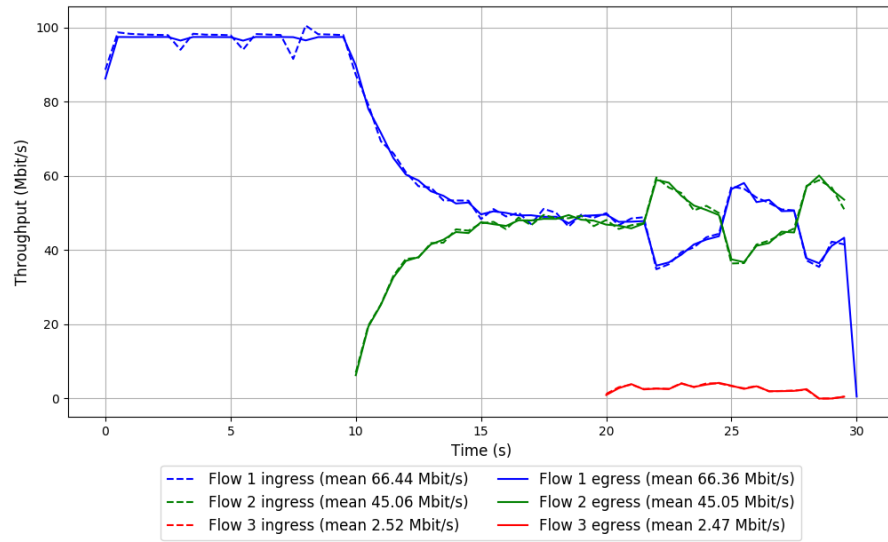
-- Flow 3:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 72.400 ms

Loss rate: 1.74%

## Run 6: Report of LEDBAT — Data Link

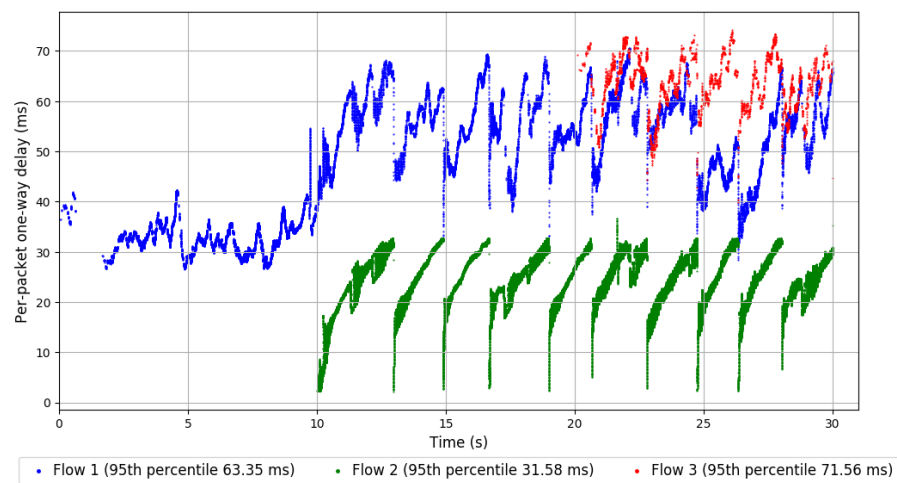
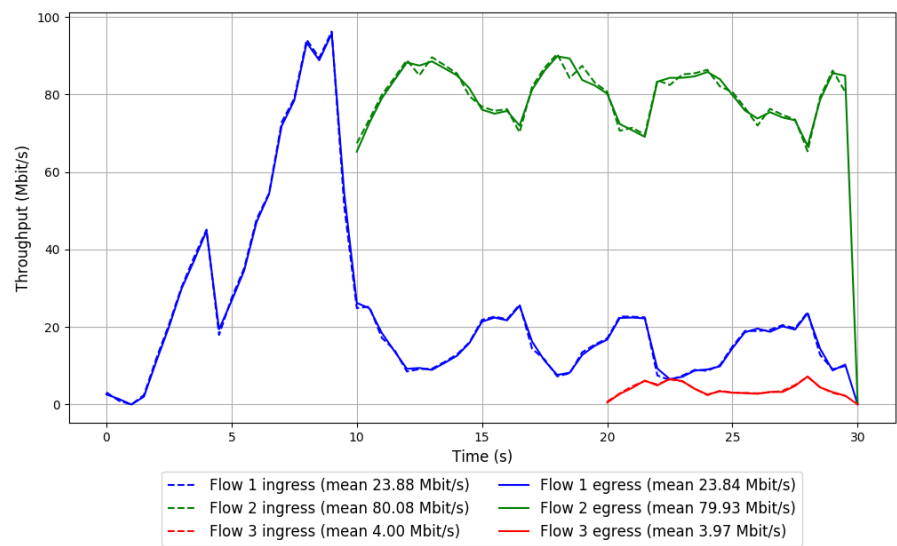


Run 7: Statistics of LEDBAT

Start at: 2018-03-27 19:57:14  
End at: 2018-03-27 19:57:44  
Local clock offset: -5.996 ms  
Remote clock offset: -5.434 ms

# Below is generated by plot.py at 2018-03-27 21:38:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.47 Mbit/s  
95th percentile per-packet one-way delay: 58.893 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 23.84 Mbit/s  
95th percentile per-packet one-way delay: 63.349 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 79.93 Mbit/s  
95th percentile per-packet one-way delay: 31.584 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 3.97 Mbit/s  
95th percentile per-packet one-way delay: 71.558 ms  
Loss rate: 1.30%

Run 7: Report of LEDBAT — Data Link

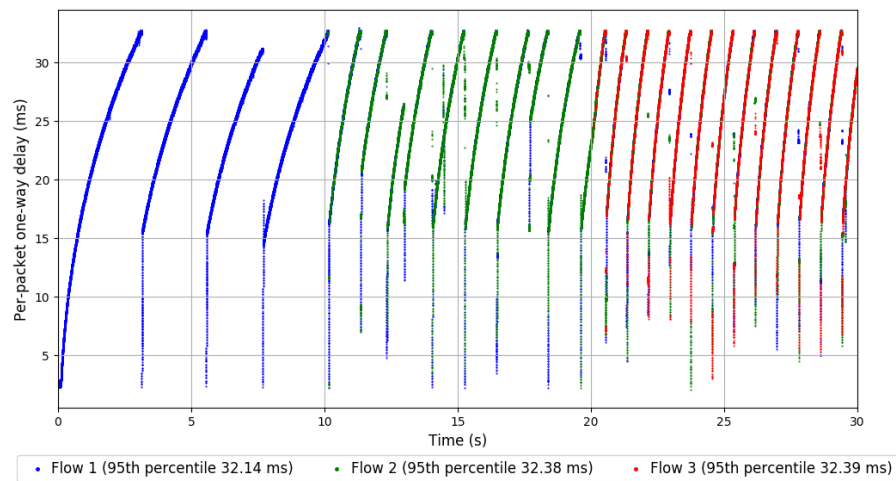
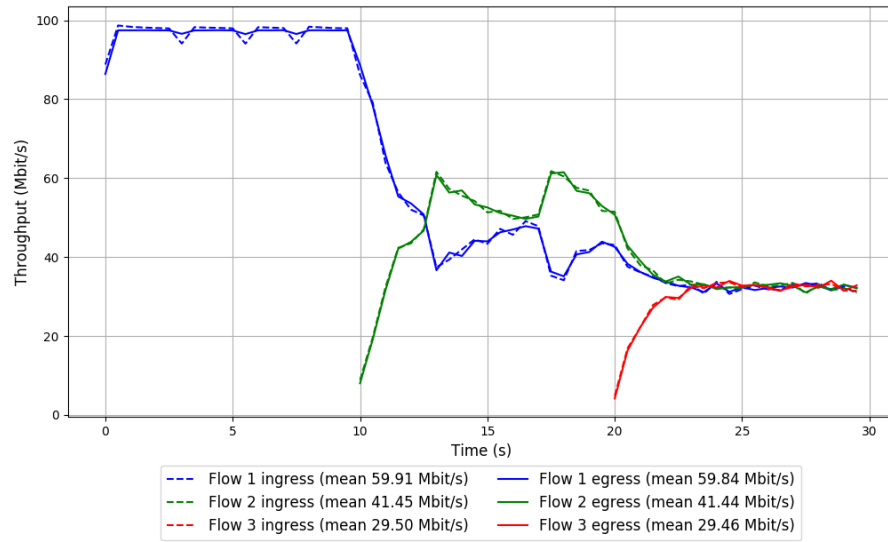


Run 8: Statistics of LEDBAT

Start at: 2018-03-27 20:17:44  
End at: 2018-03-27 20:18:14  
Local clock offset: -6.287 ms  
Remote clock offset: -4.799 ms

# Below is generated by plot.py at 2018-03-27 21:38:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.18 Mbit/s  
95th percentile per-packet one-way delay: 32.202 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 59.84 Mbit/s  
95th percentile per-packet one-way delay: 32.144 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 41.44 Mbit/s  
95th percentile per-packet one-way delay: 32.376 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 29.46 Mbit/s  
95th percentile per-packet one-way delay: 32.394 ms  
Loss rate: 0.07%

## Run 8: Report of LEDBAT — Data Link



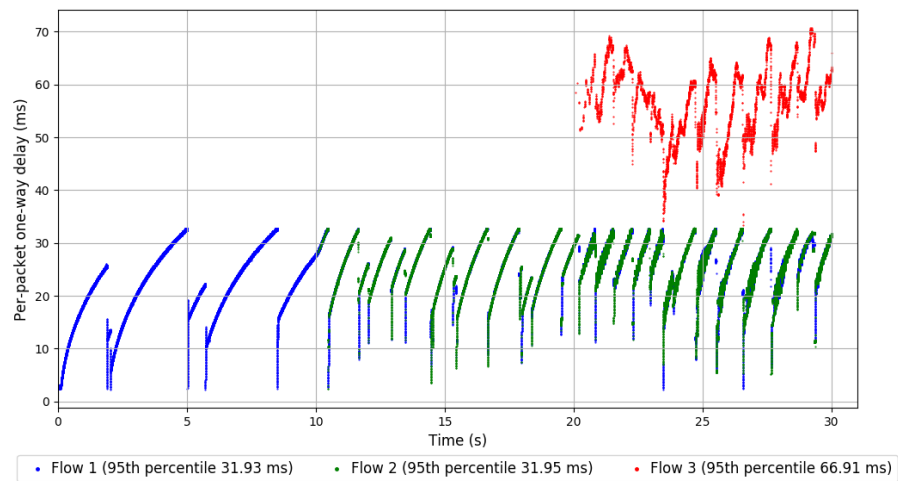
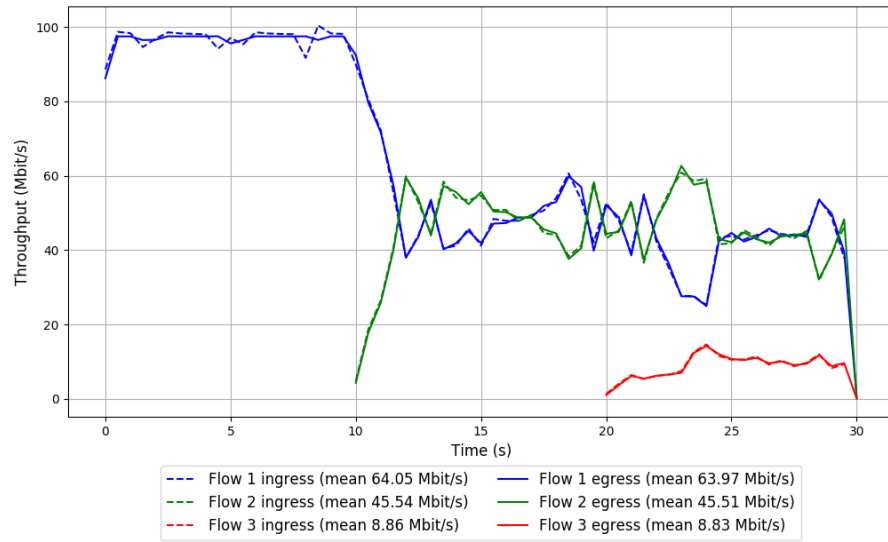
Run 9: Statistics of LEDBAT

Start at: 2018-03-27 20:38:16  
End at: 2018-03-27 20:38:46  
Local clock offset: -6.535 ms  
Remote clock offset: -4.248 ms

# Below is generated by plot.py at 2018-03-27 21:38:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 32.434 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 63.97 Mbit/s  
95th percentile per-packet one-way delay: 31.930 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 45.51 Mbit/s  
95th percentile per-packet one-way delay: 31.946 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 8.83 Mbit/s  
95th percentile per-packet one-way delay: 66.905 ms  
Loss rate: 0.53%



# Run 9: Report of LEDBAT — Data Link

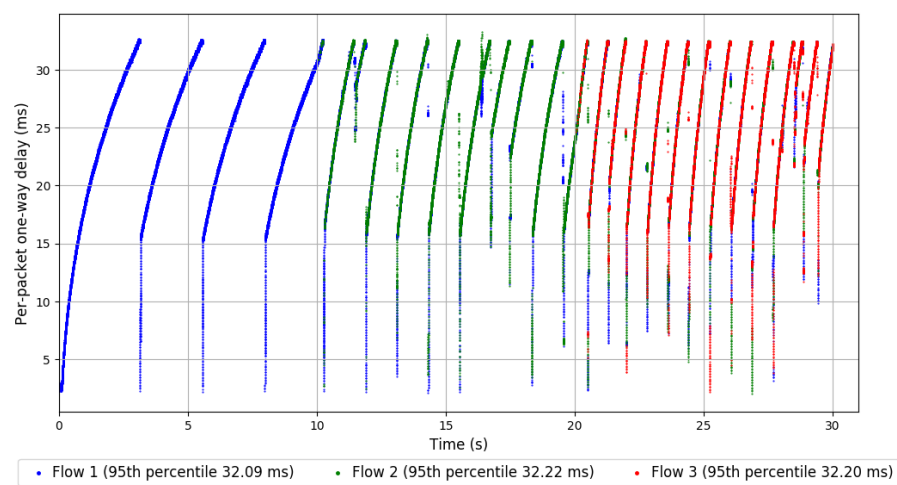
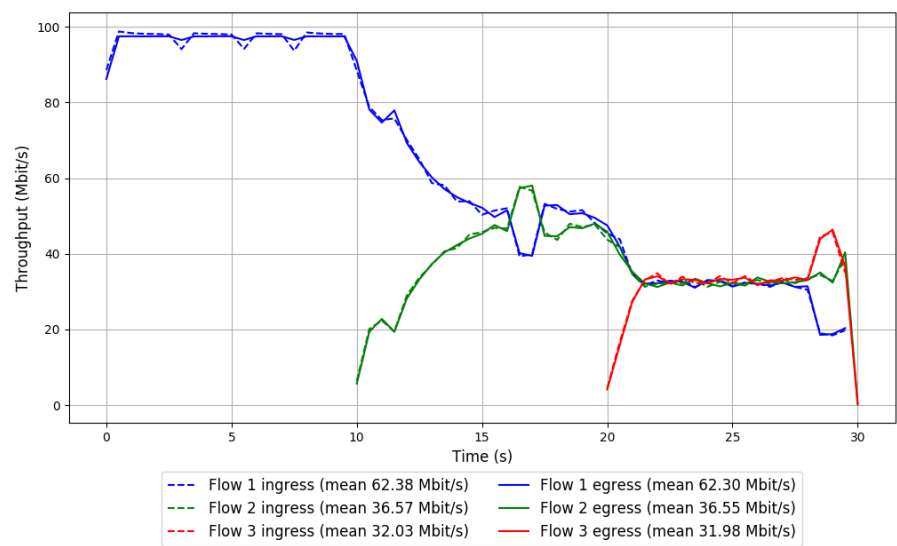


Run 10: Statistics of LEDBAT

Start at: 2018-03-27 20:58:48  
End at: 2018-03-27 20:59:18  
Local clock offset: -6.61 ms  
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2018-03-27 21:38:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.21 Mbit/s  
95th percentile per-packet one-way delay: 32.168 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.30 Mbit/s  
95th percentile per-packet one-way delay: 32.087 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 36.55 Mbit/s  
95th percentile per-packet one-way delay: 32.223 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 31.98 Mbit/s  
95th percentile per-packet one-way delay: 32.198 ms  
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link

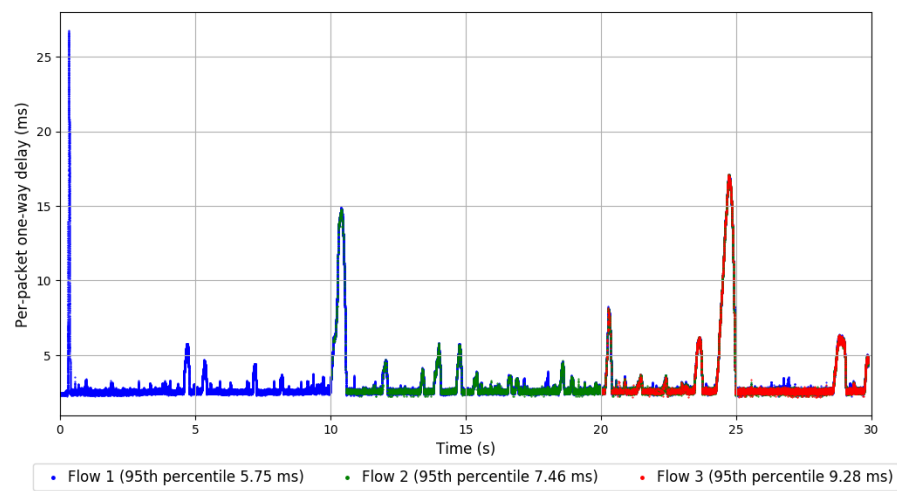
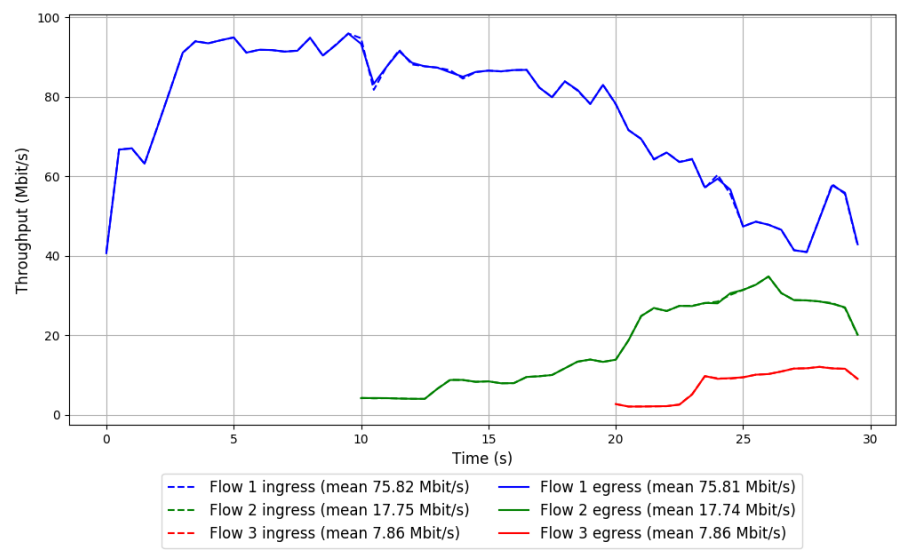


Run 1: Statistics of PCC

Start at: 2018-03-27 17:46:10  
End at: 2018-03-27 17:46:40  
Local clock offset: -5.95 ms  
Remote clock offset: -6.643 ms

# Below is generated by plot.py at 2018-03-27 21:38:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.20 Mbit/s  
95th percentile per-packet one-way delay: 5.961 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 75.81 Mbit/s  
95th percentile per-packet one-way delay: 5.749 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 17.74 Mbit/s  
95th percentile per-packet one-way delay: 7.456 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 7.86 Mbit/s  
95th percentile per-packet one-way delay: 9.278 ms  
Loss rate: 0.00%

Run 1: Report of PCC — Data Link

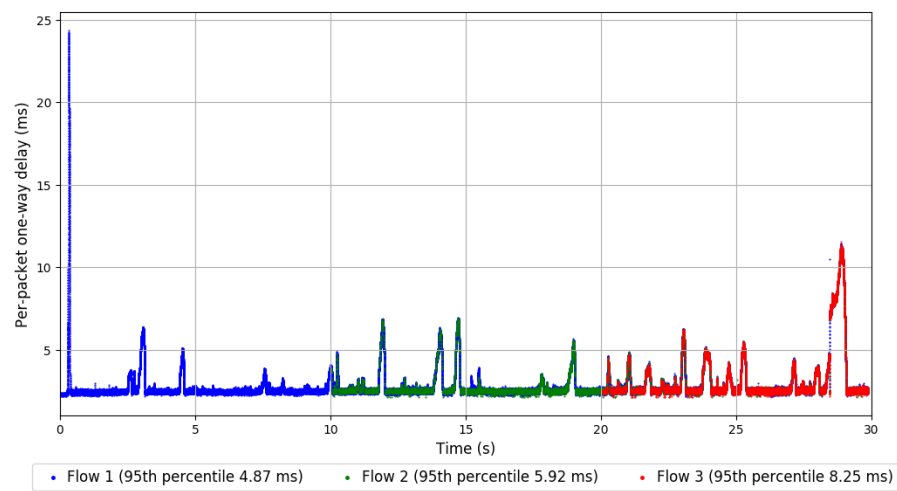
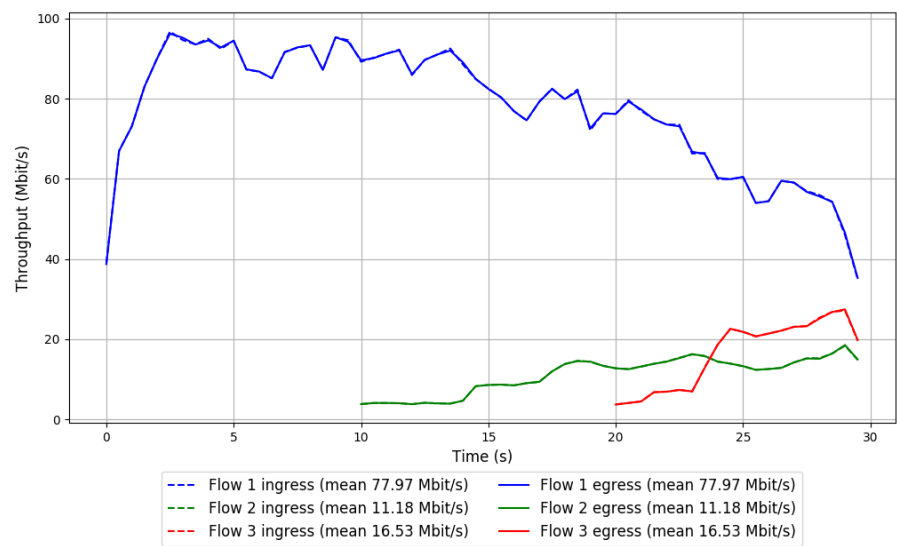


Run 2: Statistics of PCC

Start at: 2018-03-27 18:06:42  
End at: 2018-03-27 18:07:12  
Local clock offset: -6.125 ms  
Remote clock offset: -6.724 ms

# Below is generated by plot.py at 2018-03-27 21:38:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.85 Mbit/s  
95th percentile per-packet one-way delay: 5.051 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 77.97 Mbit/s  
95th percentile per-packet one-way delay: 4.873 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 11.18 Mbit/s  
95th percentile per-packet one-way delay: 5.917 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 16.53 Mbit/s  
95th percentile per-packet one-way delay: 8.247 ms  
Loss rate: 0.00%

Run 2: Report of PCC — Data Link



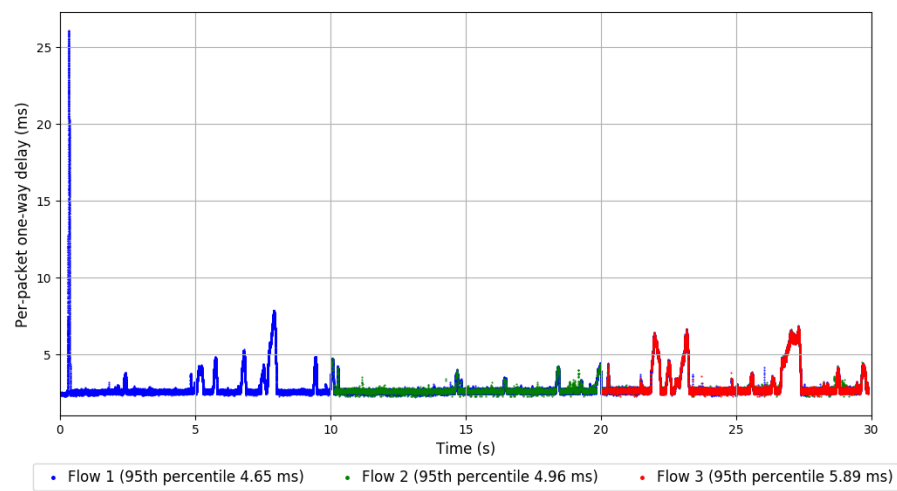
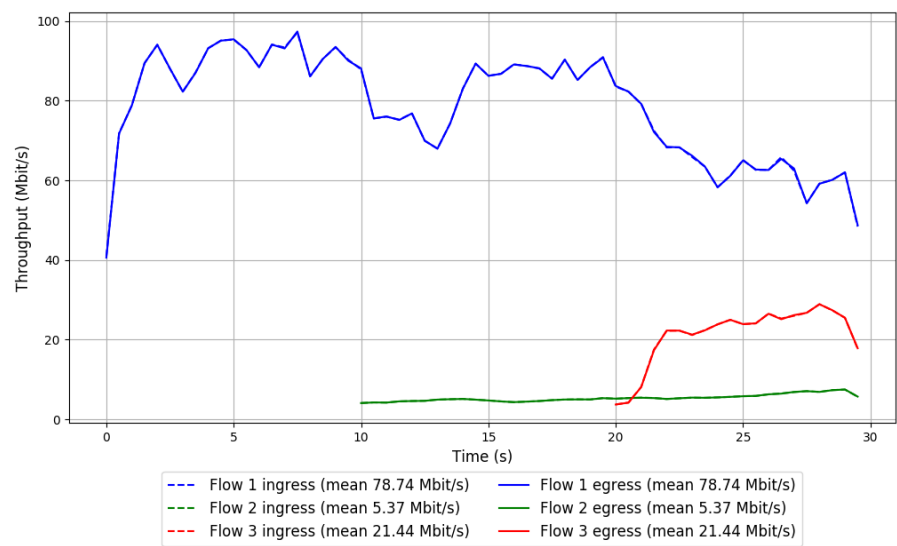
Run 3: Statistics of PCC

Start at: 2018-03-27 18:27:15  
End at: 2018-03-27 18:27:45  
Local clock offset: -6.179 ms  
Remote clock offset: -6.774 ms

# Below is generated by plot.py at 2018-03-27 21:38:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.38 Mbit/s  
95th percentile per-packet one-way delay: 4.819 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 78.74 Mbit/s  
95th percentile per-packet one-way delay: 4.650 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 5.37 Mbit/s  
95th percentile per-packet one-way delay: 4.960 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 21.44 Mbit/s  
95th percentile per-packet one-way delay: 5.892 ms  
Loss rate: 0.00%



Run 3: Report of PCC — Data Link

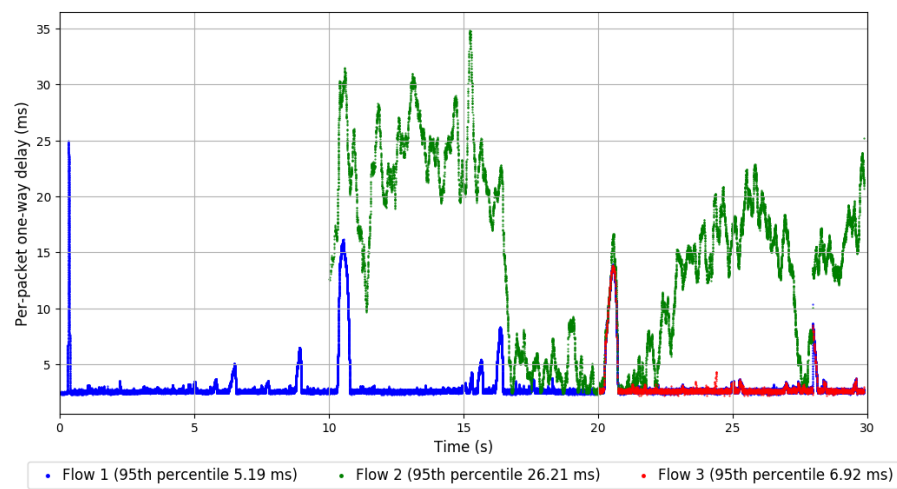
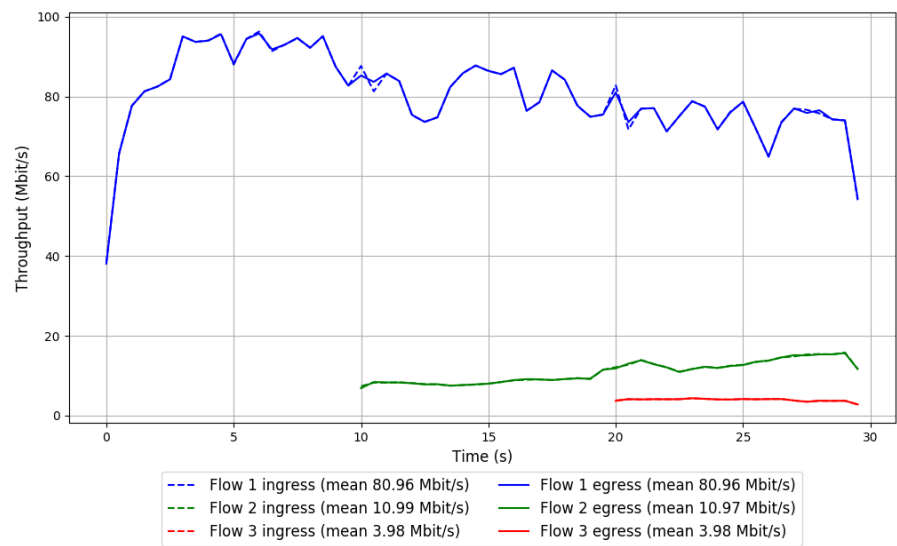


Run 4: Statistics of PCC

Start at: 2018-03-27 18:47:46  
End at: 2018-03-27 18:48:16  
Local clock offset: -5.963 ms  
Remote clock offset: -6.674 ms

# Below is generated by plot.py at 2018-03-27 21:39:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.55 Mbit/s  
95th percentile per-packet one-way delay: 14.630 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 80.96 Mbit/s  
95th percentile per-packet one-way delay: 5.189 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 10.97 Mbit/s  
95th percentile per-packet one-way delay: 26.211 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 3.98 Mbit/s  
95th percentile per-packet one-way delay: 6.921 ms  
Loss rate: 0.00%

Run 4: Report of PCC — Data Link

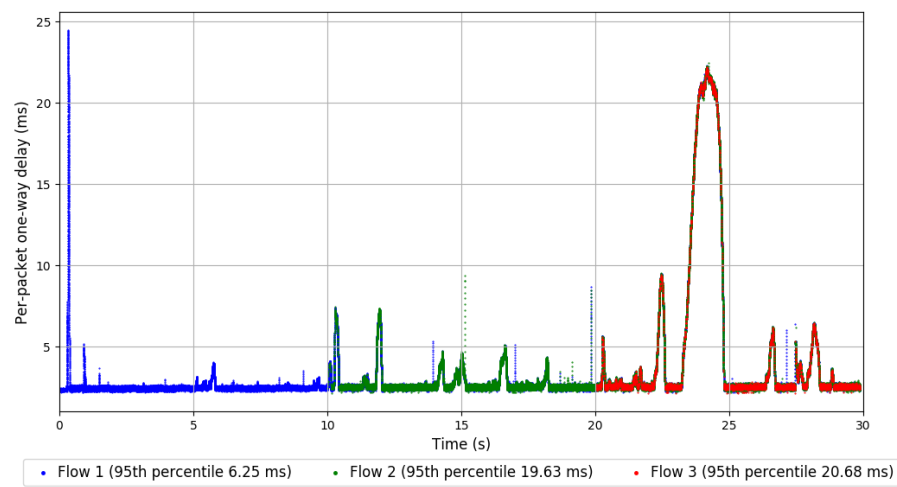
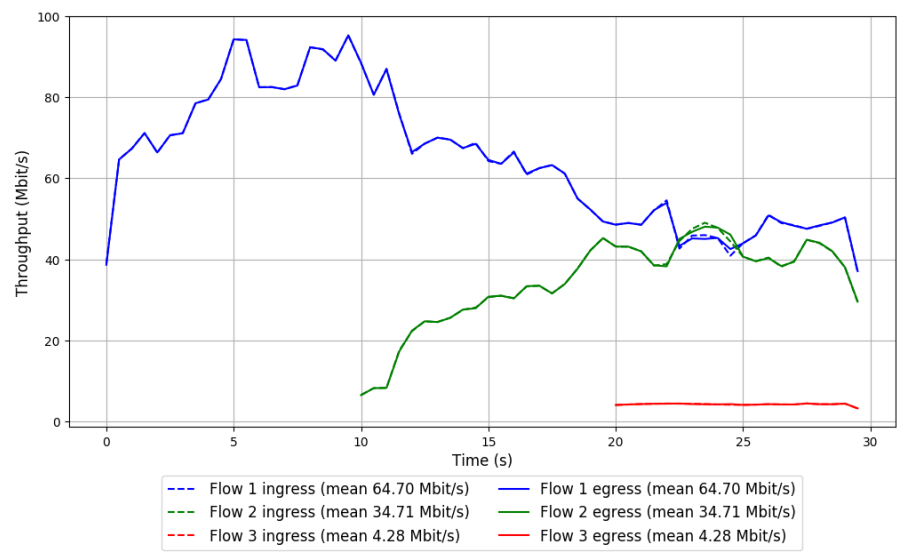


Run 5: Statistics of PCC

Start at: 2018-03-27 19:08:16  
End at: 2018-03-27 19:08:46  
Local clock offset: -6.031 ms  
Remote clock offset: -6.629 ms

# Below is generated by plot.py at 2018-03-27 21:39:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.19 Mbit/s  
95th percentile per-packet one-way delay: 9.137 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 64.70 Mbit/s  
95th percentile per-packet one-way delay: 6.254 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.71 Mbit/s  
95th percentile per-packet one-way delay: 19.628 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.28 Mbit/s  
95th percentile per-packet one-way delay: 20.685 ms  
Loss rate: 0.00%

Run 5: Report of PCC — Data Link

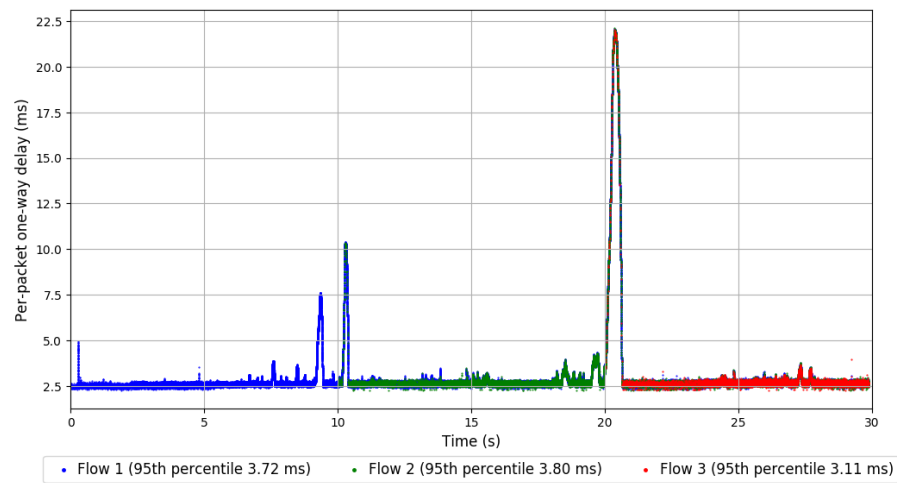
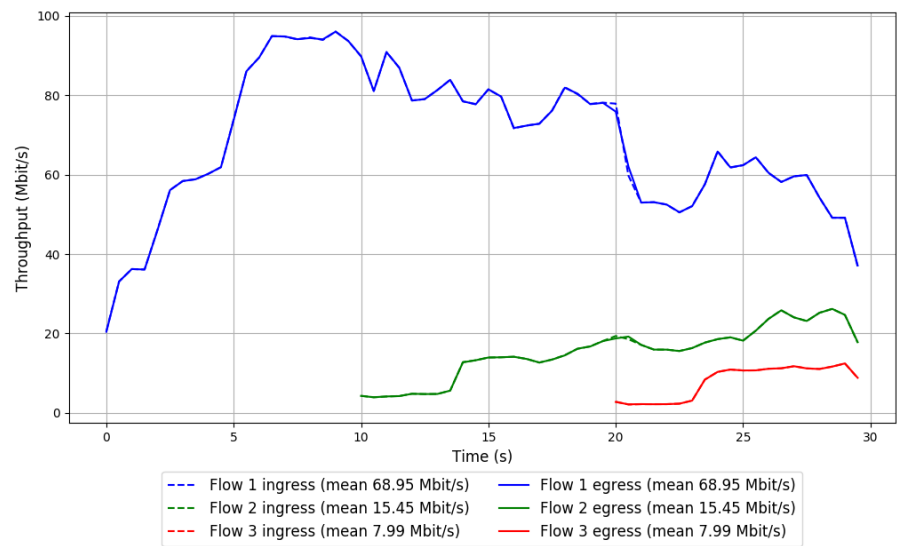


Run 6: Statistics of PCC

Start at: 2018-03-27 19:28:47  
End at: 2018-03-27 19:29:17  
Local clock offset: -6.262 ms  
Remote clock offset: -6.405 ms

# Below is generated by plot.py at 2018-03-27 21:39:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.86 Mbit/s  
95th percentile per-packet one-way delay: 3.701 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 68.95 Mbit/s  
95th percentile per-packet one-way delay: 3.716 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 15.45 Mbit/s  
95th percentile per-packet one-way delay: 3.802 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 7.99 Mbit/s  
95th percentile per-packet one-way delay: 3.113 ms  
Loss rate: 0.00%

Run 6: Report of PCC — Data Link



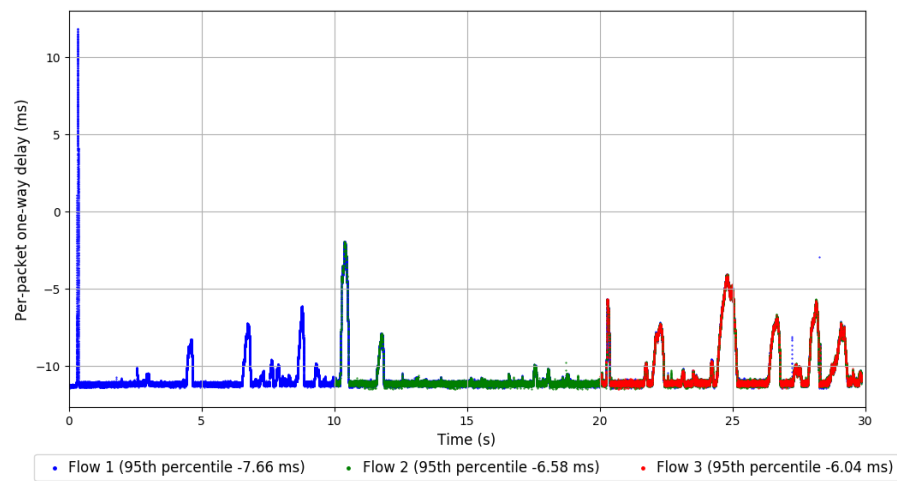
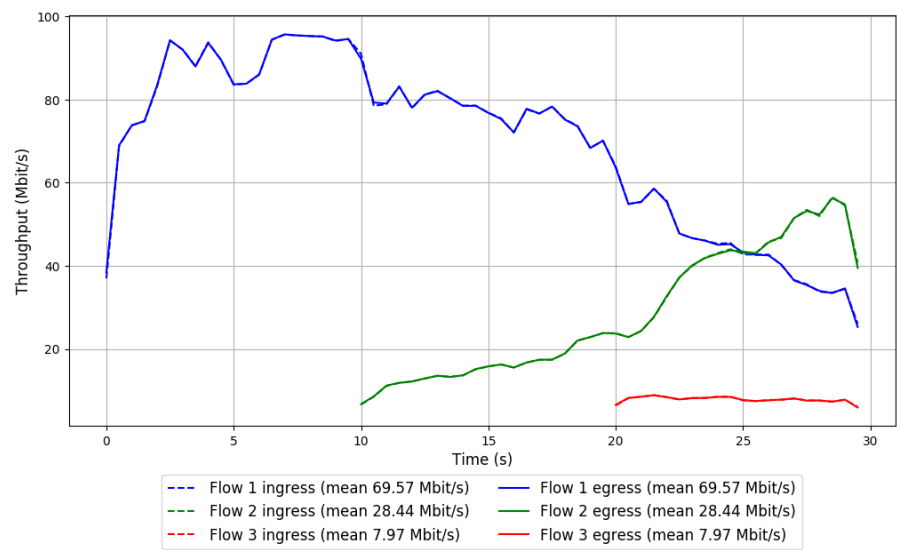
Run 7: Statistics of PCC

Start at: 2018-03-27 19:49:19  
End at: 2018-03-27 19:49:49  
Local clock offset: -6.033 ms  
Remote clock offset: -19.51 ms

# Below is generated by plot.py at 2018-03-27 21:39:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.11 Mbit/s  
95th percentile per-packet one-way delay: -7.350 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 69.57 Mbit/s  
95th percentile per-packet one-way delay: -7.660 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.44 Mbit/s  
95th percentile per-packet one-way delay: -6.579 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 7.97 Mbit/s  
95th percentile per-packet one-way delay: -6.042 ms  
Loss rate: 0.00%



Run 7: Report of PCC — Data Link

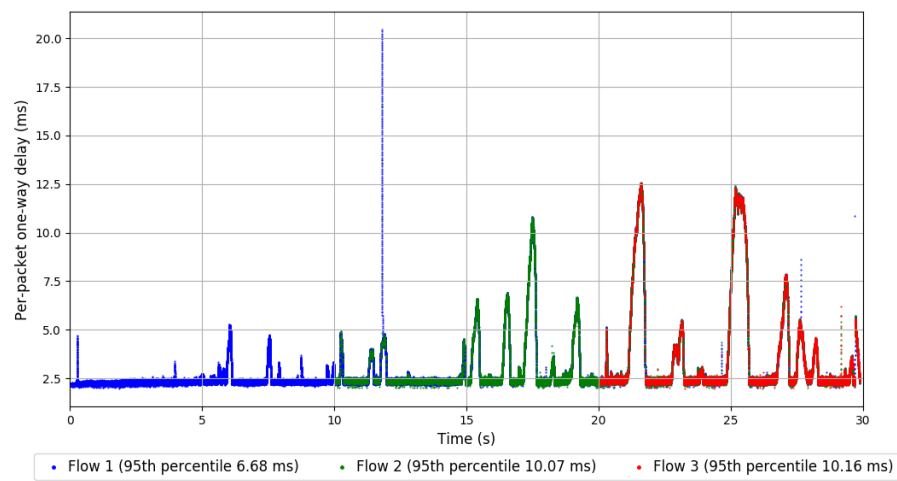
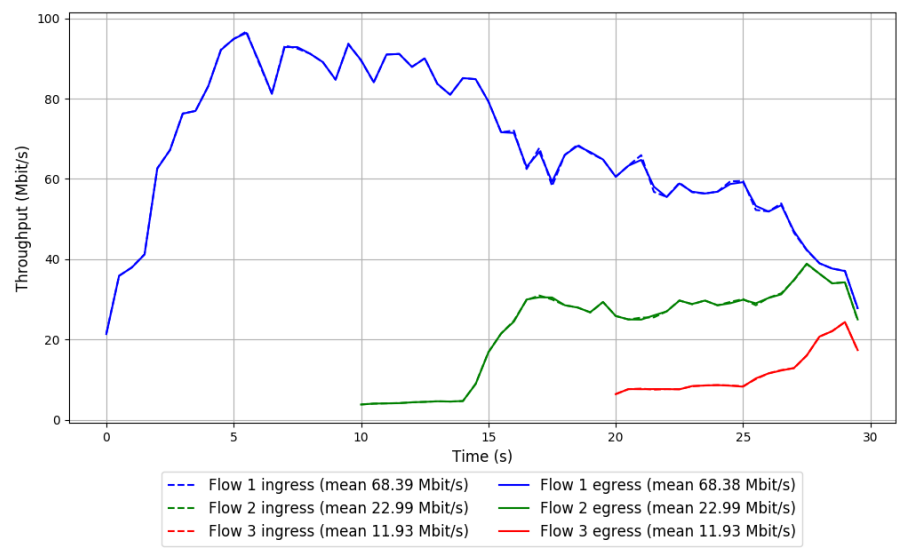


Run 8: Statistics of PCC

Start at: 2018-03-27 20:09:47  
End at: 2018-03-27 20:10:17  
Local clock offset: -6.063 ms  
Remote clock offset: -5.081 ms

# Below is generated by plot.py at 2018-03-27 21:39:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.60 Mbit/s  
95th percentile per-packet one-way delay: 7.661 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 68.38 Mbit/s  
95th percentile per-packet one-way delay: 6.678 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 22.99 Mbit/s  
95th percentile per-packet one-way delay: 10.068 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.93 Mbit/s  
95th percentile per-packet one-way delay: 10.156 ms  
Loss rate: 0.00%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-27 20:30:20

End at: 2018-03-27 20:30:50

Local clock offset: -6.443 ms

Remote clock offset: -4.54 ms

# Below is generated by plot.py at 2018-03-27 21:39:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.05 Mbit/s

95th percentile per-packet one-way delay: 5.128 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 4.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.25 Mbit/s

95th percentile per-packet one-way delay: 6.942 ms

Loss rate: 0.00%

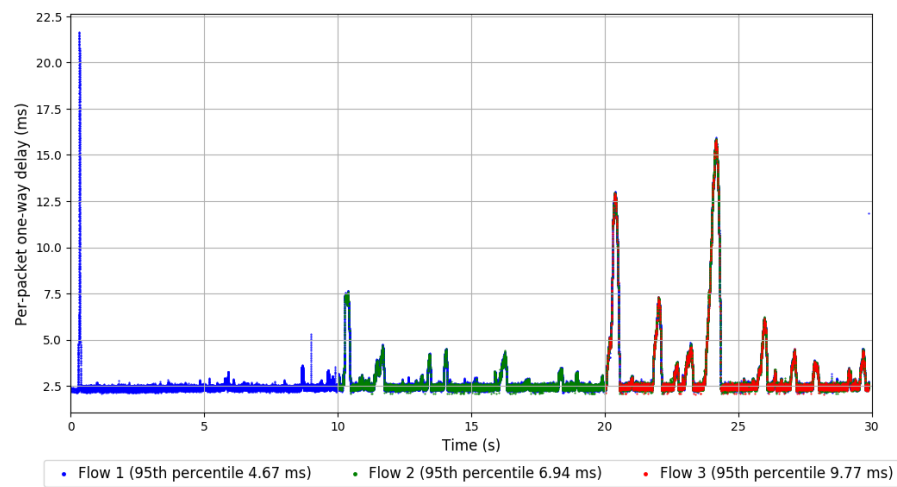
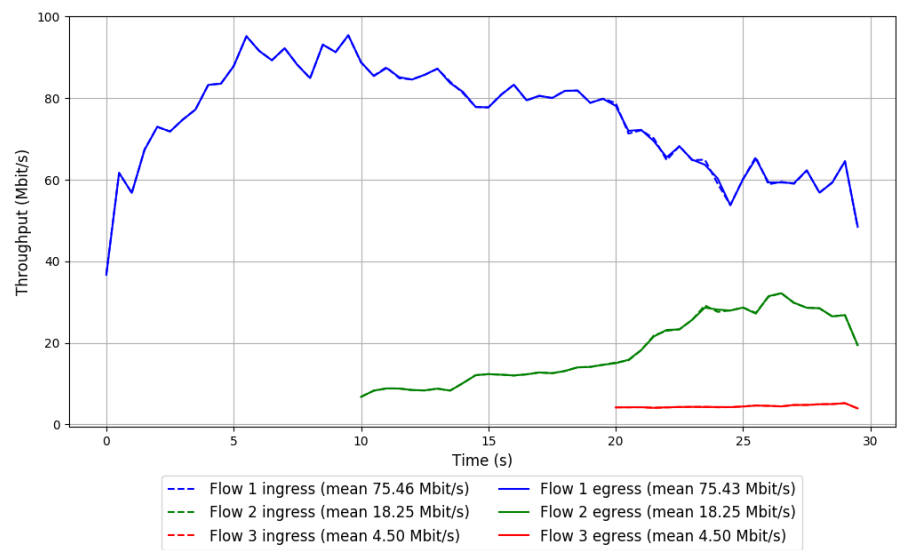
-- Flow 3:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 9.774 ms

Loss rate: 0.00%

Run 9: Report of PCC — Data Link

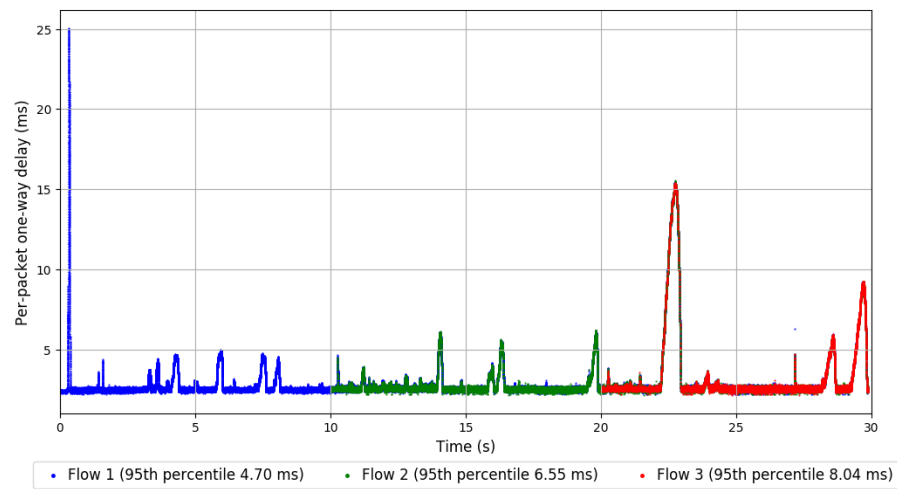
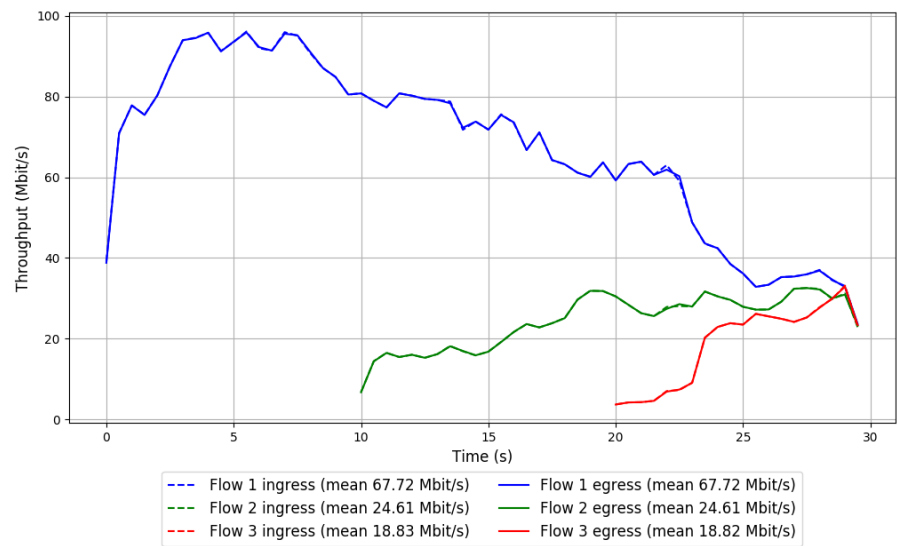


Run 10: Statistics of PCC

Start at: 2018-03-27 20:50:53  
End at: 2018-03-27 20:51:23  
Local clock offset: -6.545 ms  
Remote clock offset: -3.871 ms

# Below is generated by plot.py at 2018-03-27 21:39:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.29 Mbit/s  
95th percentile per-packet one-way delay: 5.275 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.72 Mbit/s  
95th percentile per-packet one-way delay: 4.695 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 24.61 Mbit/s  
95th percentile per-packet one-way delay: 6.548 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 18.82 Mbit/s  
95th percentile per-packet one-way delay: 8.035 ms  
Loss rate: 0.01%

Run 10: Report of PCC — Data Link



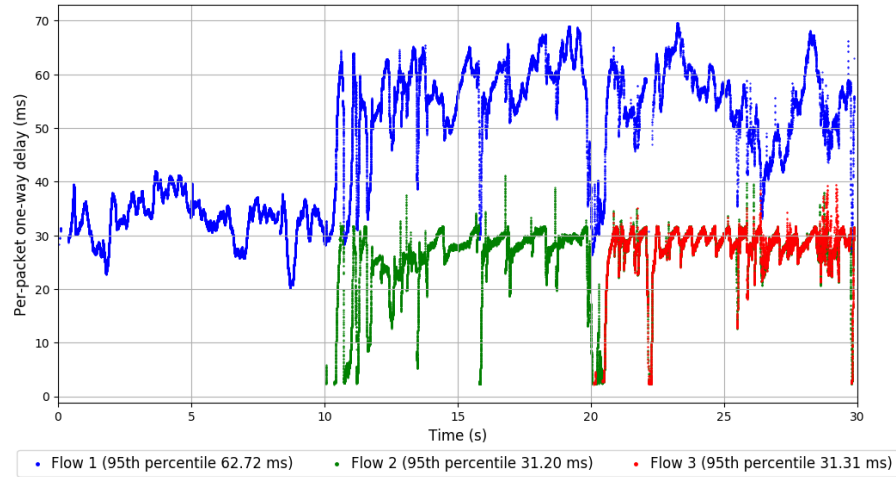
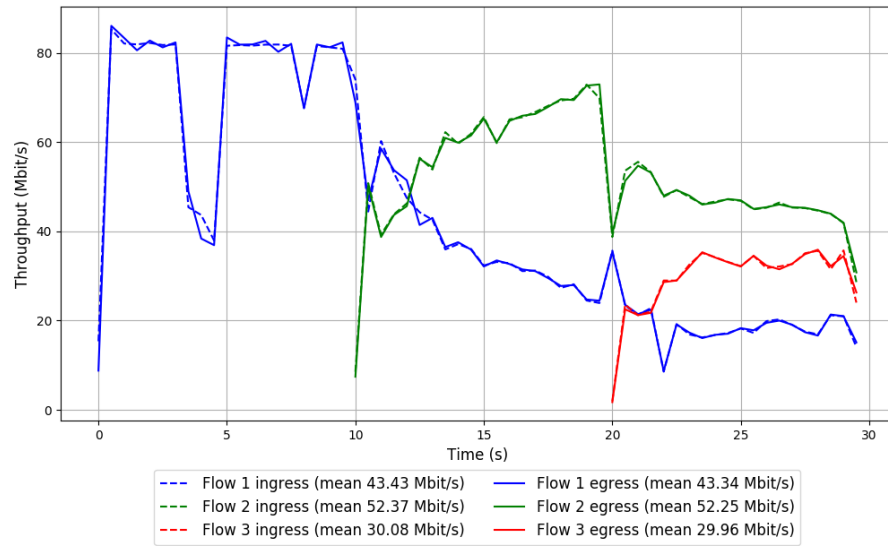
Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 17:50:40  
End at: 2018-03-27 17:51:10  
Local clock offset: -5.973 ms  
Remote clock offset: -6.663 ms

# Below is generated by plot.py at 2018-03-27 21:40:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.86 Mbit/s  
95th percentile per-packet one-way delay: 60.671 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 43.34 Mbit/s  
95th percentile per-packet one-way delay: 62.719 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 52.25 Mbit/s  
95th percentile per-packet one-way delay: 31.196 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 29.96 Mbit/s  
95th percentile per-packet one-way delay: 31.311 ms  
Loss rate: 0.10%



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

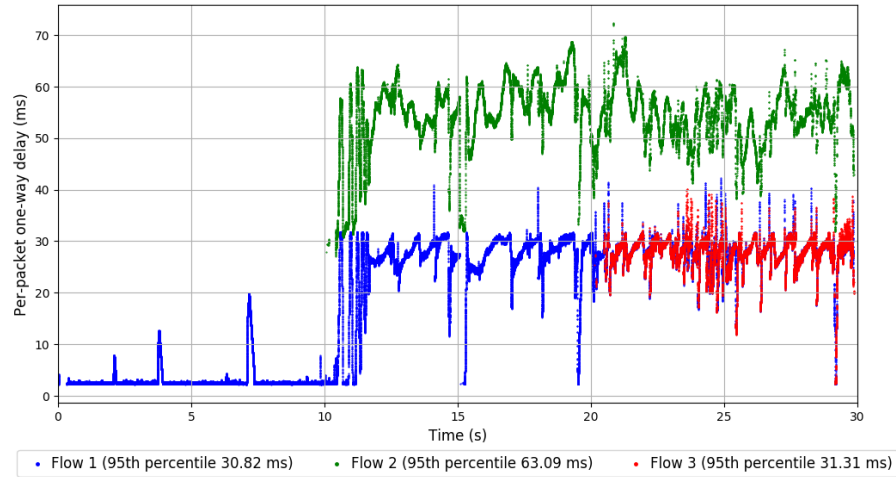
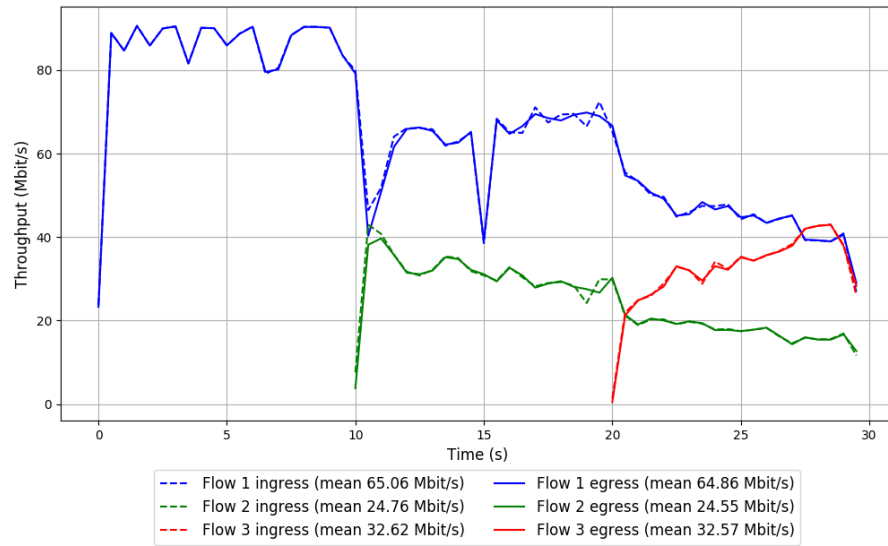


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 18:11:12  
End at: 2018-03-27 18:11:42  
Local clock offset: -6.133 ms  
Remote clock offset: -6.749 ms

# Below is generated by plot.py at 2018-03-27 21:40:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.75 Mbit/s  
95th percentile per-packet one-way delay: 57.863 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 64.86 Mbit/s  
95th percentile per-packet one-way delay: 30.816 ms  
Loss rate: 0.24%  
-- Flow 2:  
Average throughput: 24.55 Mbit/s  
95th percentile per-packet one-way delay: 63.091 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 32.57 Mbit/s  
95th percentile per-packet one-way delay: 31.313 ms  
Loss rate: 0.19%

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

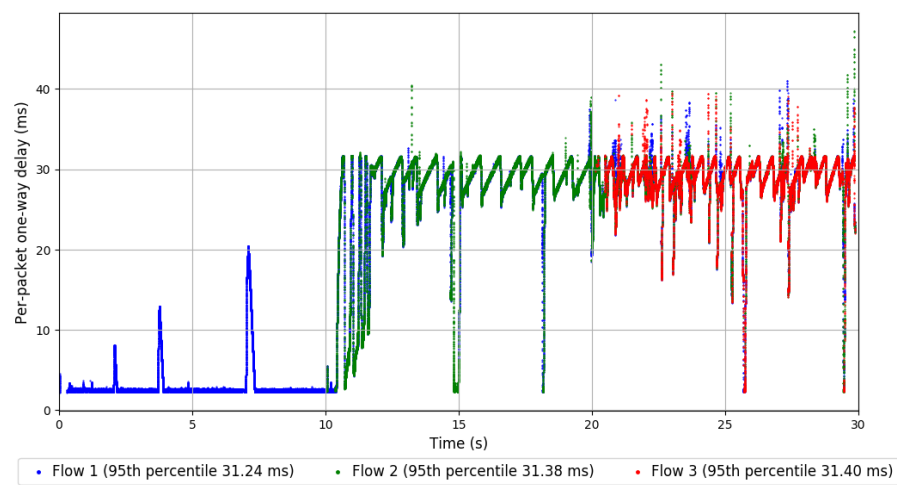
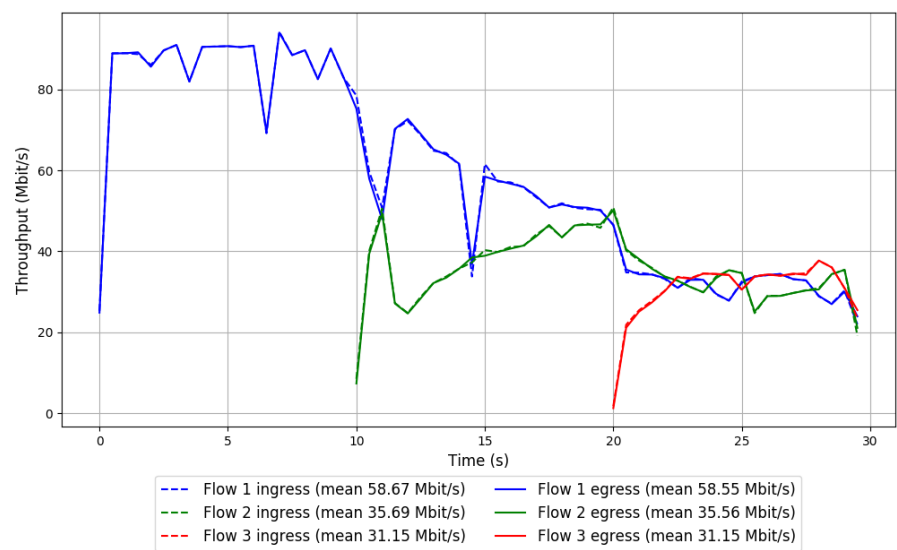


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 18:31:44  
End at: 2018-03-27 18:32:14  
Local clock offset: -6.023 ms  
Remote clock offset: -6.871 ms

# Below is generated by plot.py at 2018-03-27 21:40:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.28 Mbit/s  
95th percentile per-packet one-way delay: 31.324 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 58.55 Mbit/s  
95th percentile per-packet one-way delay: 31.243 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 35.56 Mbit/s  
95th percentile per-packet one-way delay: 31.382 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 31.15 Mbit/s  
95th percentile per-packet one-way delay: 31.399 ms  
Loss rate: 0.09%

Run 3: Report of QUIC Cubic — Data Link

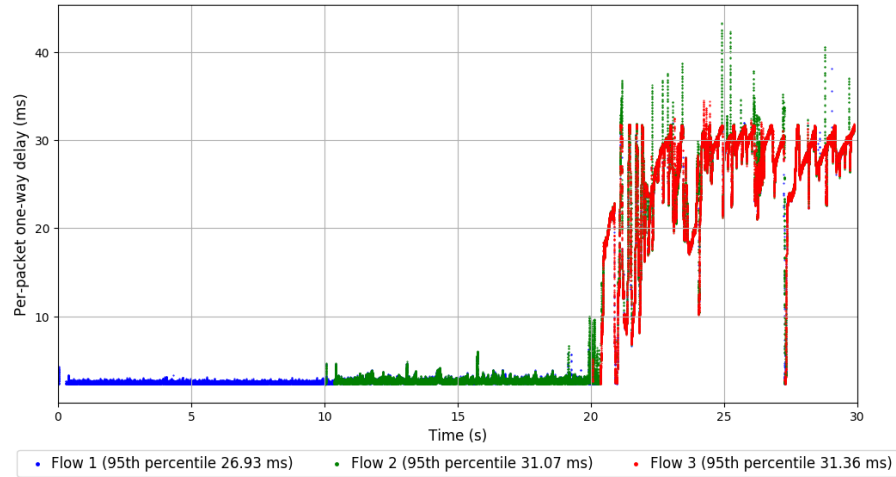
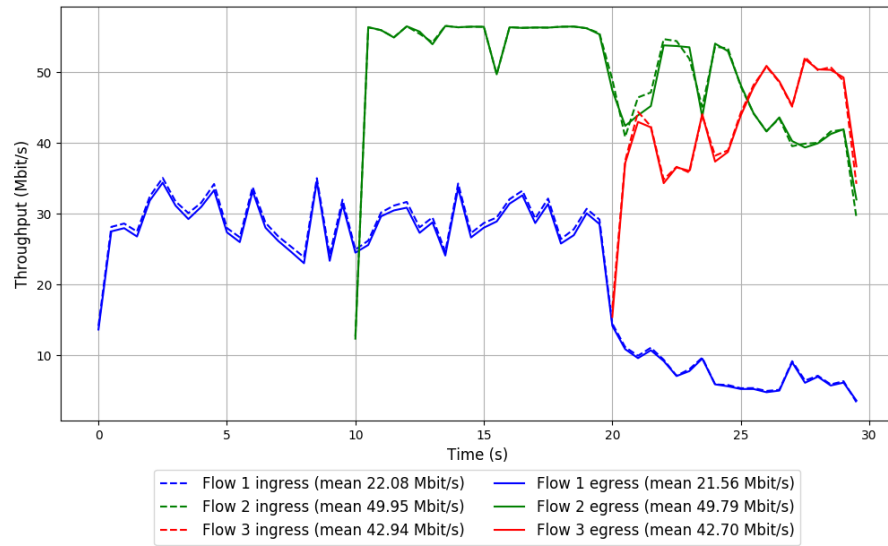


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 18:52:16  
End at: 2018-03-27 18:52:46  
Local clock offset: -5.932 ms  
Remote clock offset: -6.661 ms

# Below is generated by plot.py at 2018-03-27 21:40:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.69 Mbit/s  
95th percentile per-packet one-way delay: 30.939 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 21.56 Mbit/s  
95th percentile per-packet one-way delay: 26.927 ms  
Loss rate: 2.26%  
-- Flow 2:  
Average throughput: 49.79 Mbit/s  
95th percentile per-packet one-way delay: 31.071 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 42.70 Mbit/s  
95th percentile per-packet one-way delay: 31.363 ms  
Loss rate: 0.28%

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



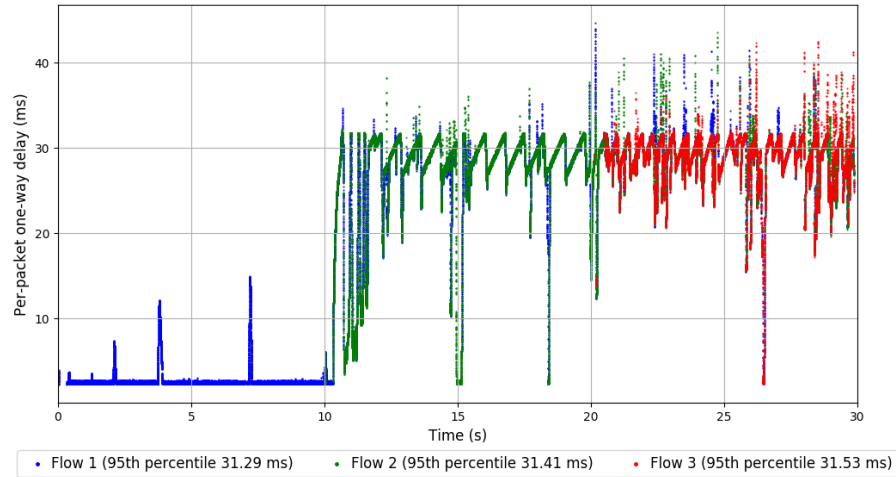
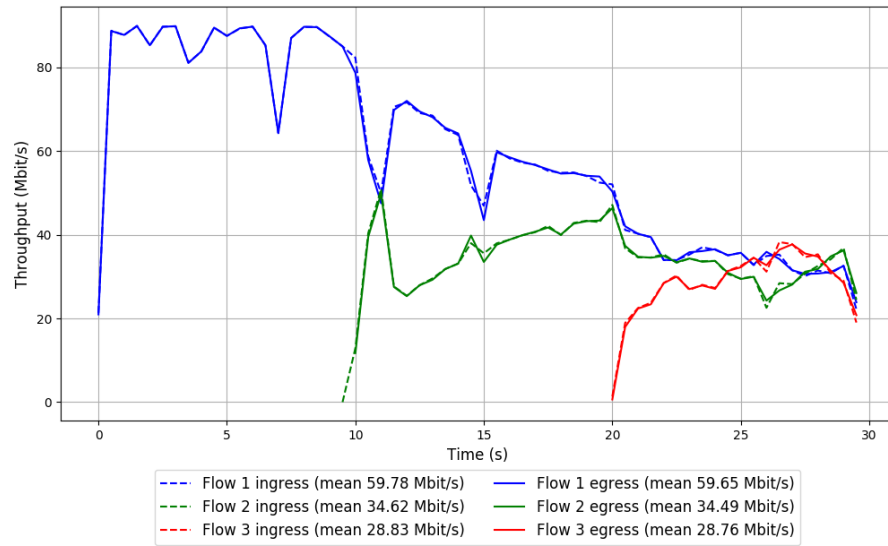
Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 19:12:45  
End at: 2018-03-27 19:13:15  
Local clock offset: -6.132 ms  
Remote clock offset: -6.611 ms

# Below is generated by plot.py at 2018-03-27 21:40:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.96 Mbit/s  
95th percentile per-packet one-way delay: 31.363 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 59.65 Mbit/s  
95th percentile per-packet one-way delay: 31.289 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 34.49 Mbit/s  
95th percentile per-packet one-way delay: 31.415 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 28.76 Mbit/s  
95th percentile per-packet one-way delay: 31.534 ms  
Loss rate: 0.21%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 19:33:16

End at: 2018-03-27 19:33:46

Local clock offset: -6.176 ms

Remote clock offset: -6.42 ms

# Below is generated by plot.py at 2018-03-27 21:41:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 31.367 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.06 Mbit/s

95th percentile per-packet one-way delay: 31.317 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 34.84 Mbit/s

95th percentile per-packet one-way delay: 31.405 ms

Loss rate: 0.22%

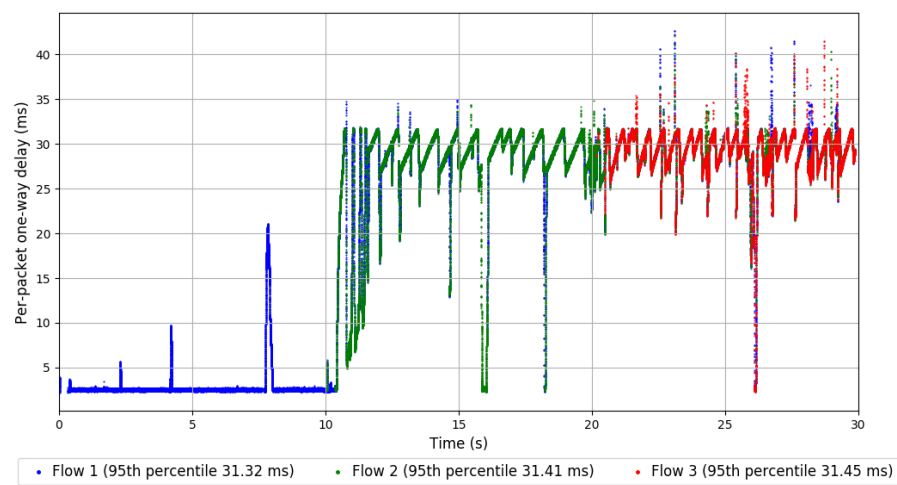
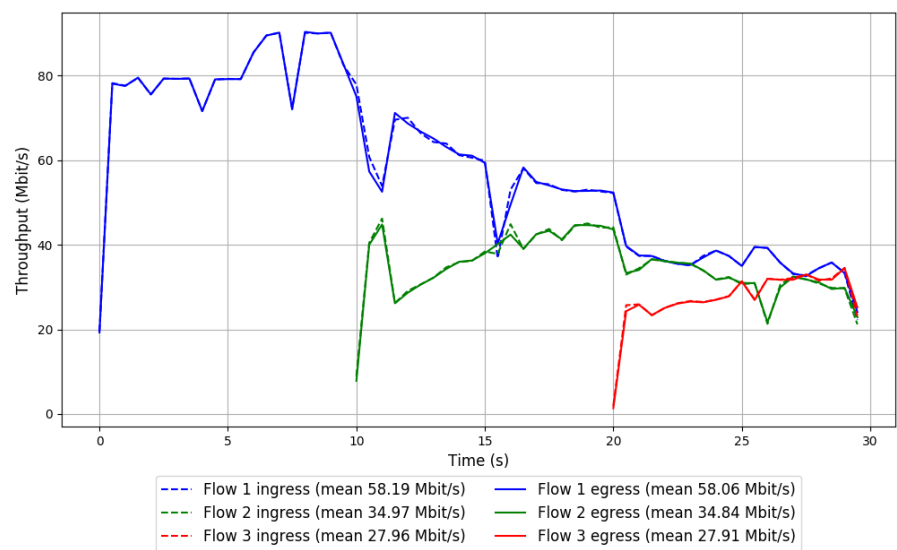
-- Flow 3:

Average throughput: 27.91 Mbit/s

95th percentile per-packet one-way delay: 31.452 ms

Loss rate: 0.19%

Run 6: Report of QUIC Cubic — Data Link

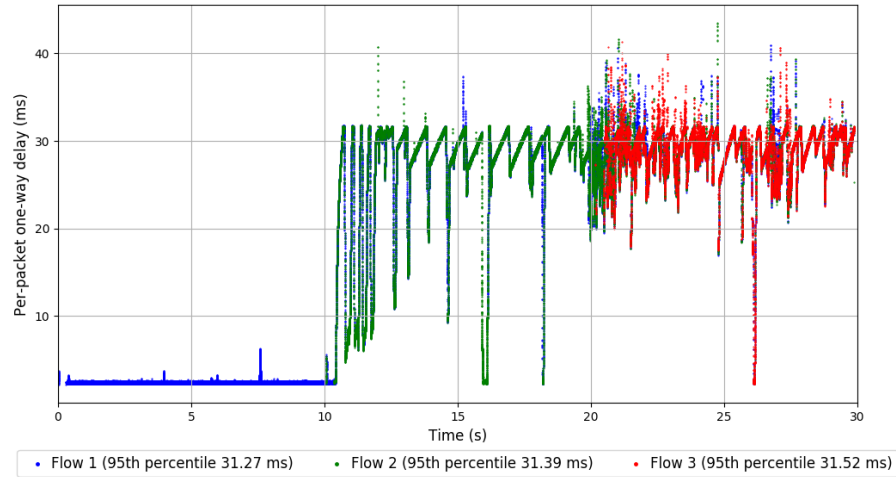
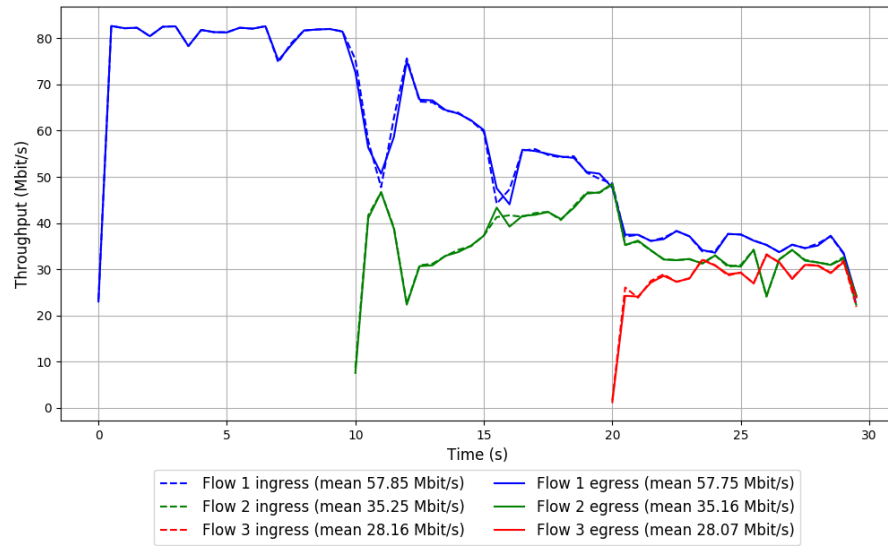


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 19:53:48  
End at: 2018-03-27 19:54:18  
Local clock offset: -6.001 ms  
Remote clock offset: -5.606 ms

# Below is generated by plot.py at 2018-03-27 21:41:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.24 Mbit/s  
95th percentile per-packet one-way delay: 31.346 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 57.75 Mbit/s  
95th percentile per-packet one-way delay: 31.270 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 35.16 Mbit/s  
95th percentile per-packet one-way delay: 31.395 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 28.07 Mbit/s  
95th percentile per-packet one-way delay: 31.521 ms  
Loss rate: 0.23%

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

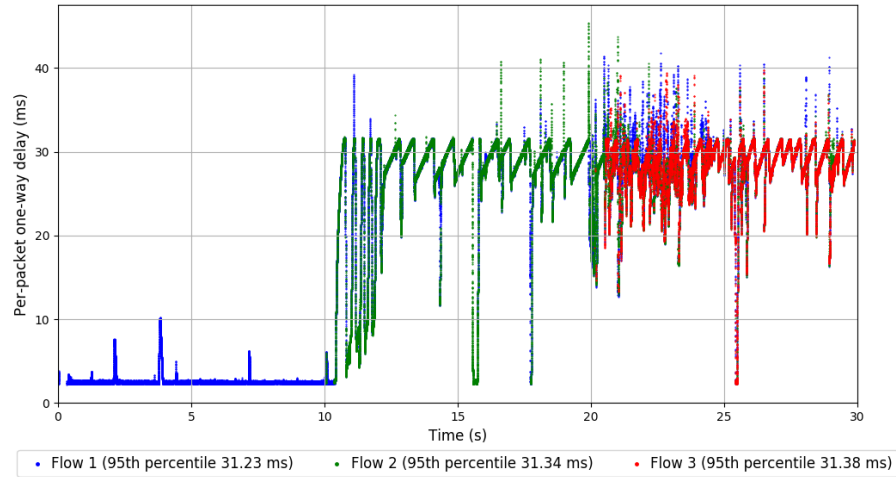
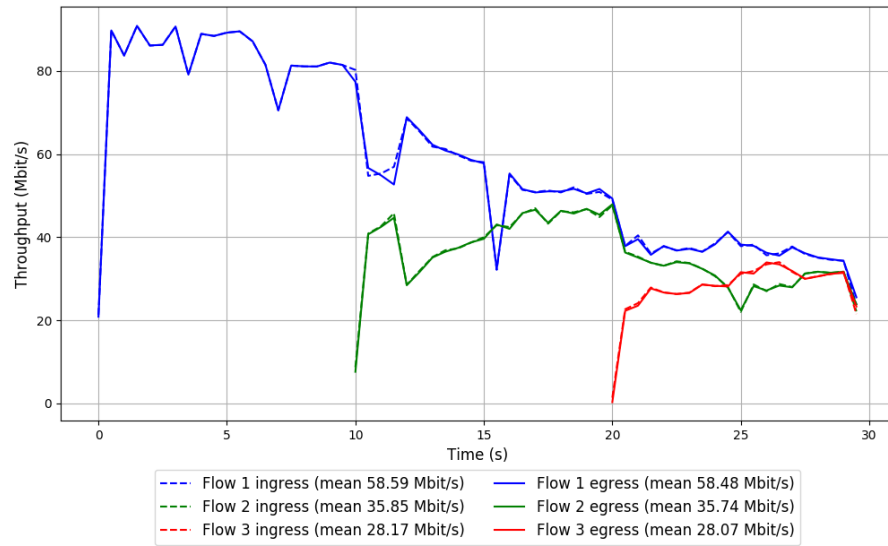


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 20:14:17  
End at: 2018-03-27 20:14:47  
Local clock offset: -6.236 ms  
Remote clock offset: -4.955 ms

# Below is generated by plot.py at 2018-03-27 21:41:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.36 Mbit/s  
95th percentile per-packet one-way delay: 31.293 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 58.48 Mbit/s  
95th percentile per-packet one-way delay: 31.235 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 35.74 Mbit/s  
95th percentile per-packet one-way delay: 31.336 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 28.07 Mbit/s  
95th percentile per-packet one-way delay: 31.381 ms  
Loss rate: 0.21%

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



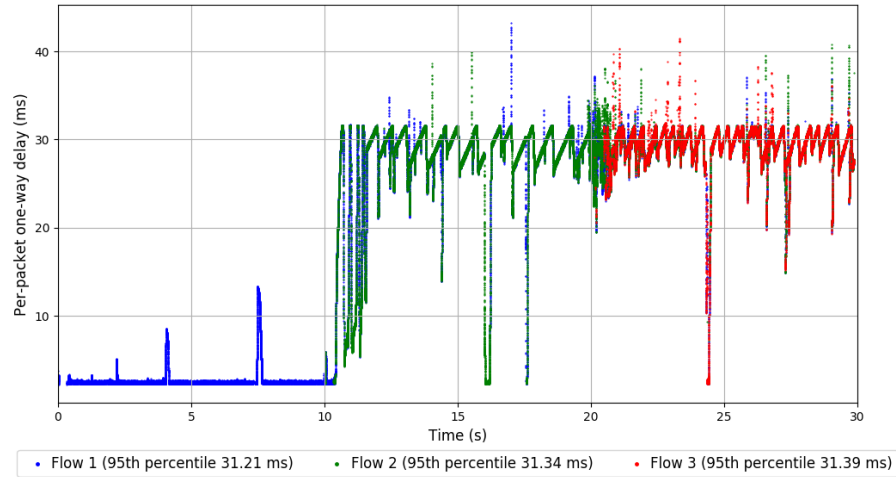
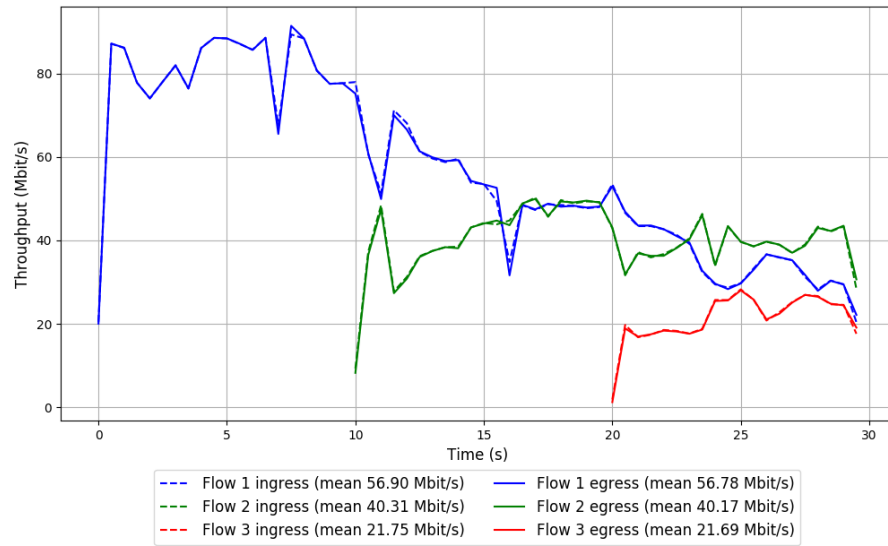
Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 20:34:49  
End at: 2018-03-27 20:35:19  
Local clock offset: -6.473 ms  
Remote clock offset: -4.398 ms

# Below is generated by plot.py at 2018-03-27 21:41:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.54 Mbit/s  
95th percentile per-packet one-way delay: 31.290 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 56.78 Mbit/s  
95th percentile per-packet one-way delay: 31.210 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 40.17 Mbit/s  
95th percentile per-packet one-way delay: 31.337 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 21.69 Mbit/s  
95th percentile per-packet one-way delay: 31.388 ms  
Loss rate: 0.26%



# Run 9: Report of QUIC Cubic — Data Link

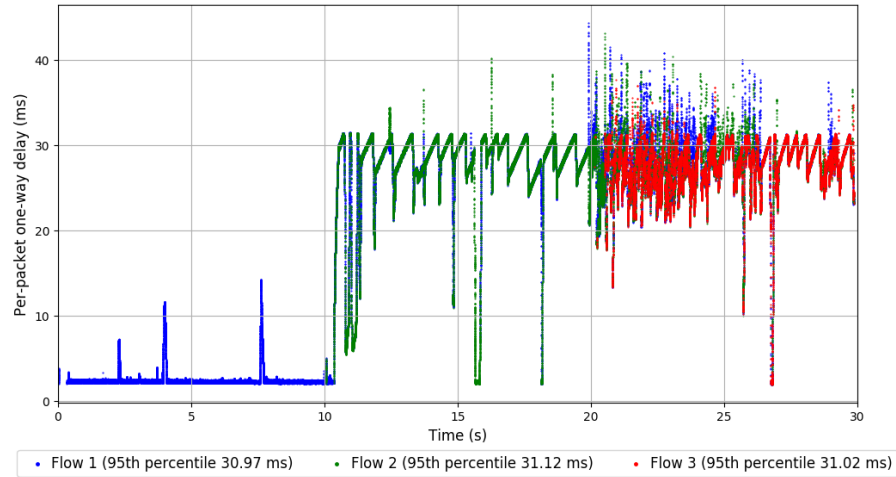
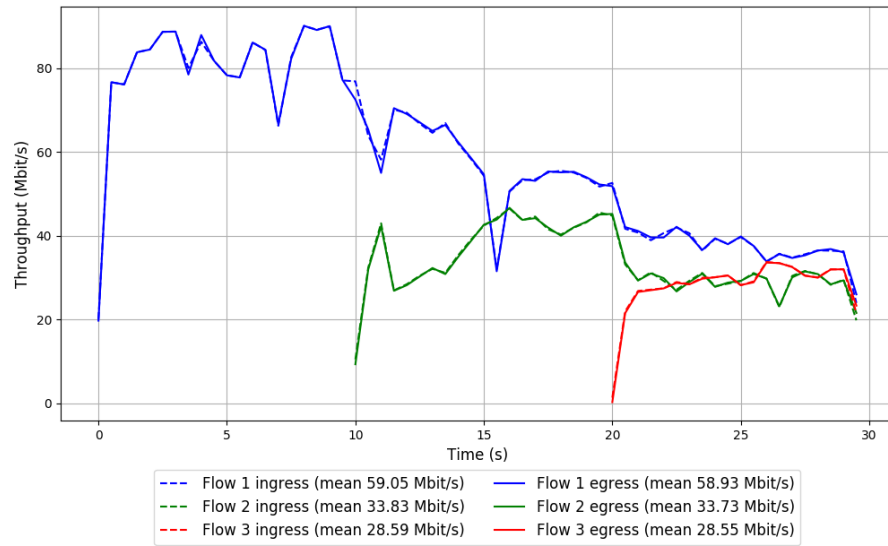


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 20:55:22  
End at: 2018-03-27 20:55:52  
Local clock offset: -6.514 ms  
Remote clock offset: -1.988 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.62 Mbit/s  
95th percentile per-packet one-way delay: 31.035 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 58.93 Mbit/s  
95th percentile per-packet one-way delay: 30.972 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 33.73 Mbit/s  
95th percentile per-packet one-way delay: 31.117 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 28.55 Mbit/s  
95th percentile per-packet one-way delay: 31.017 ms  
Loss rate: 0.20%

# Run 10: Report of QUIC Cubic — Data Link

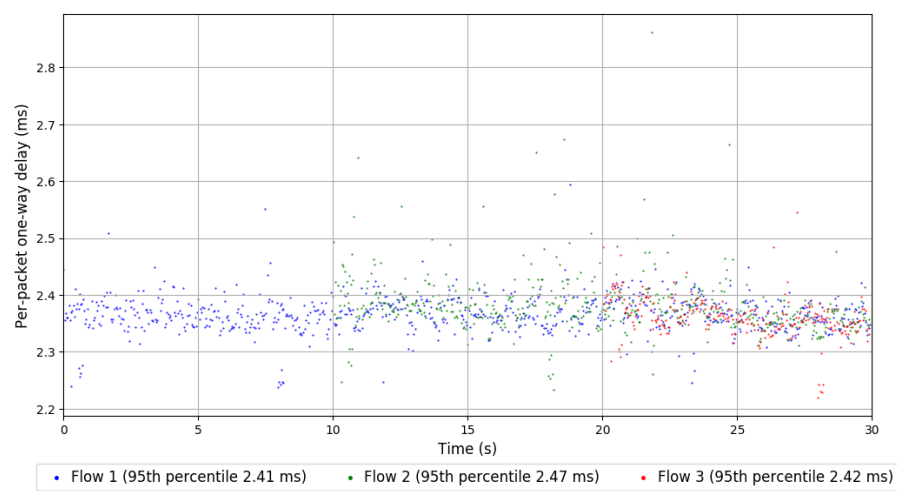
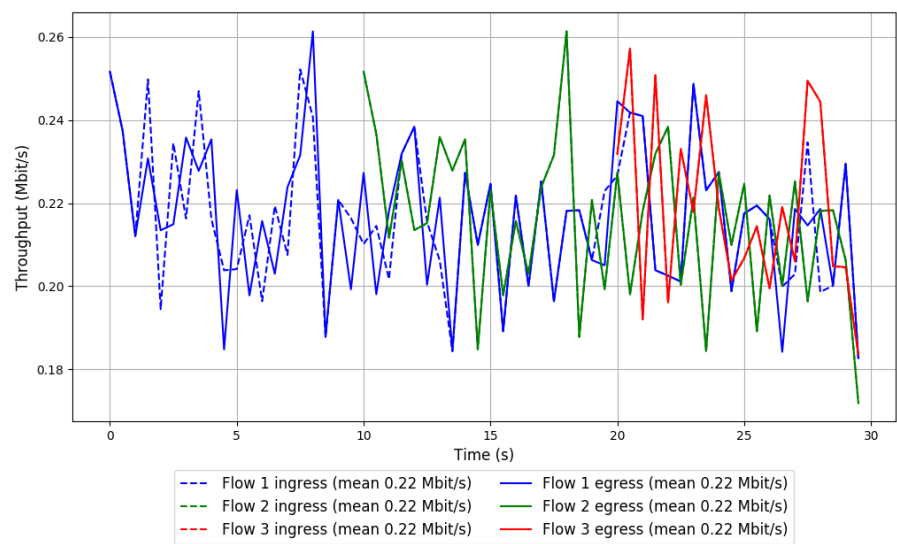


Run 1: Statistics of SReAM

Start at: 2018-03-27 17:49:36  
End at: 2018-03-27 17:50:06  
Local clock offset: -5.87 ms  
Remote clock offset: -6.626 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.426 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.412 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.468 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.415 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

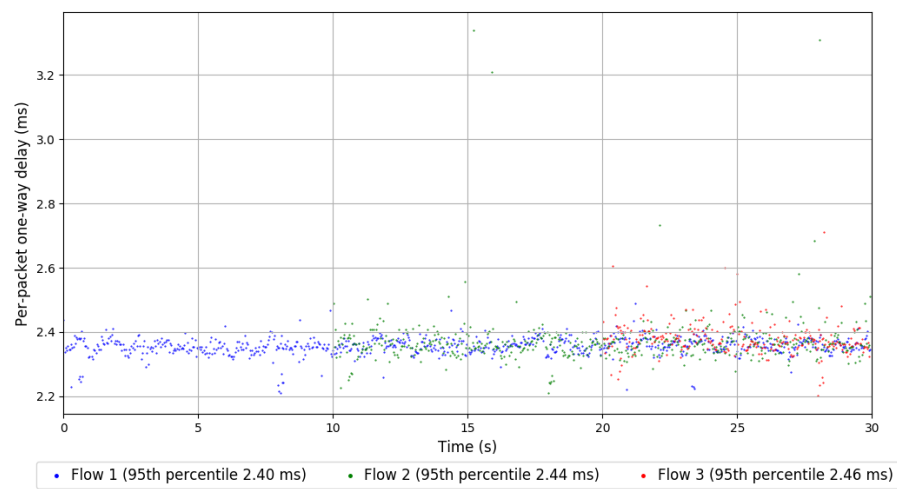
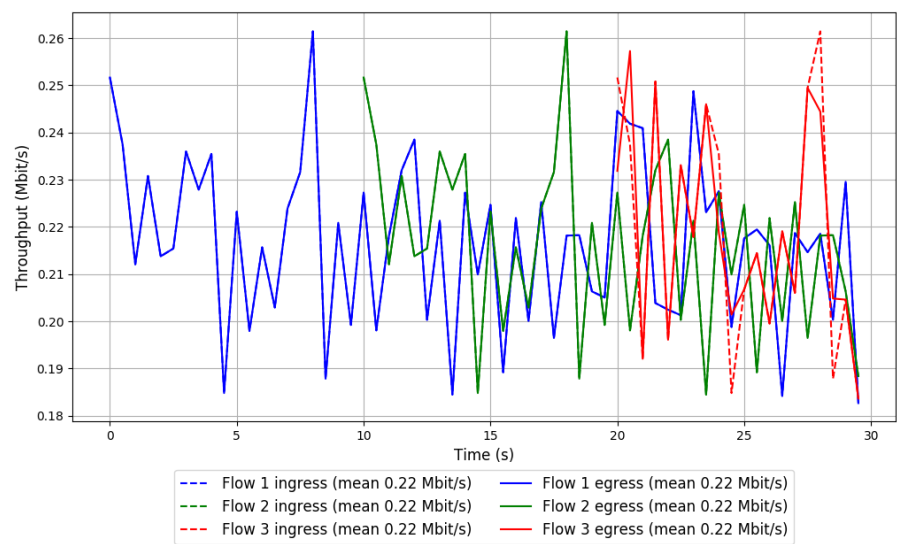


Run 2: Statistics of SReAM

Start at: 2018-03-27 18:10:08  
End at: 2018-03-27 18:10:38  
Local clock offset: -6.129 ms  
Remote clock offset: -6.733 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.422 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.395 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.436 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.455 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



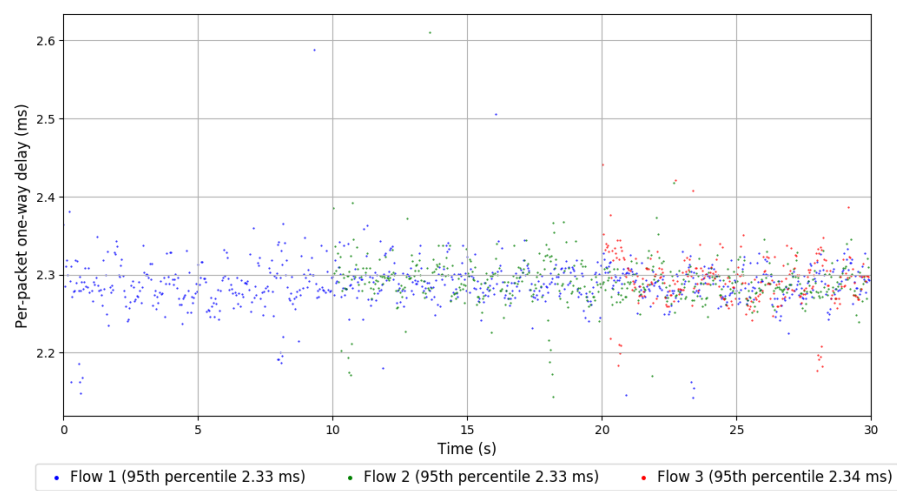
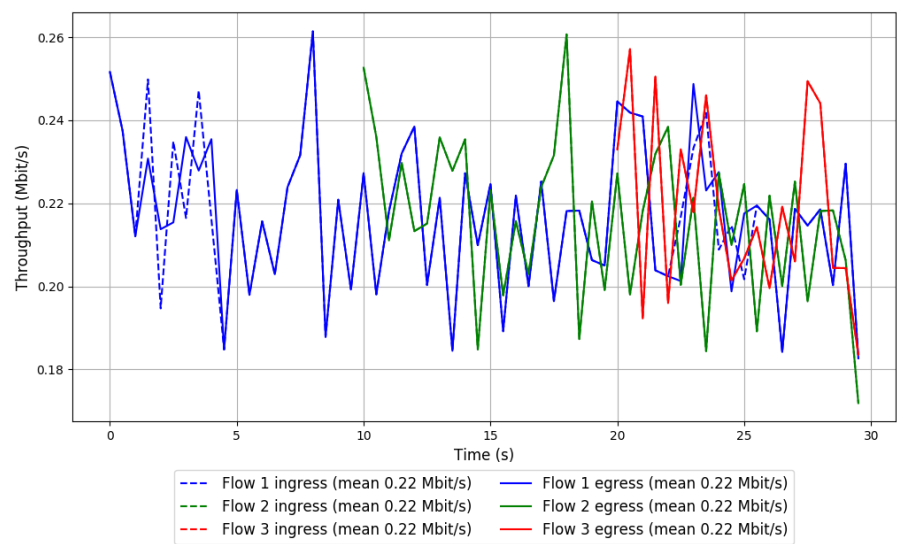
Run 3: Statistics of SCReAM

Start at: 2018-03-27 18:30:40  
End at: 2018-03-27 18:31:10  
Local clock offset: -6.011 ms  
Remote clock offset: -6.881 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.334 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.330 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.333 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.337 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

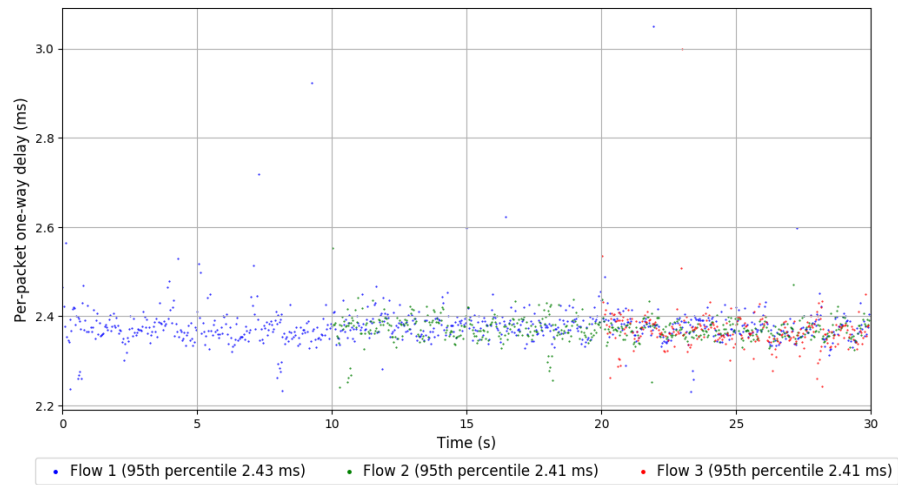
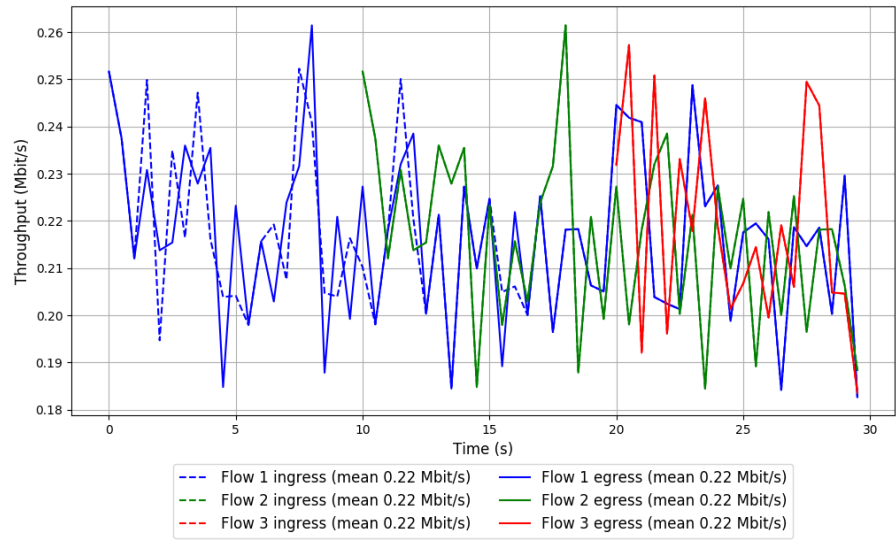


Run 4: Statistics of SReAM

Start at: 2018-03-27 18:51:12  
End at: 2018-03-27 18:51:42  
Local clock offset: -5.885 ms  
Remote clock offset: -6.665 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.421 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.429 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.413 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.413 ms  
Loss rate: 0.00%

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

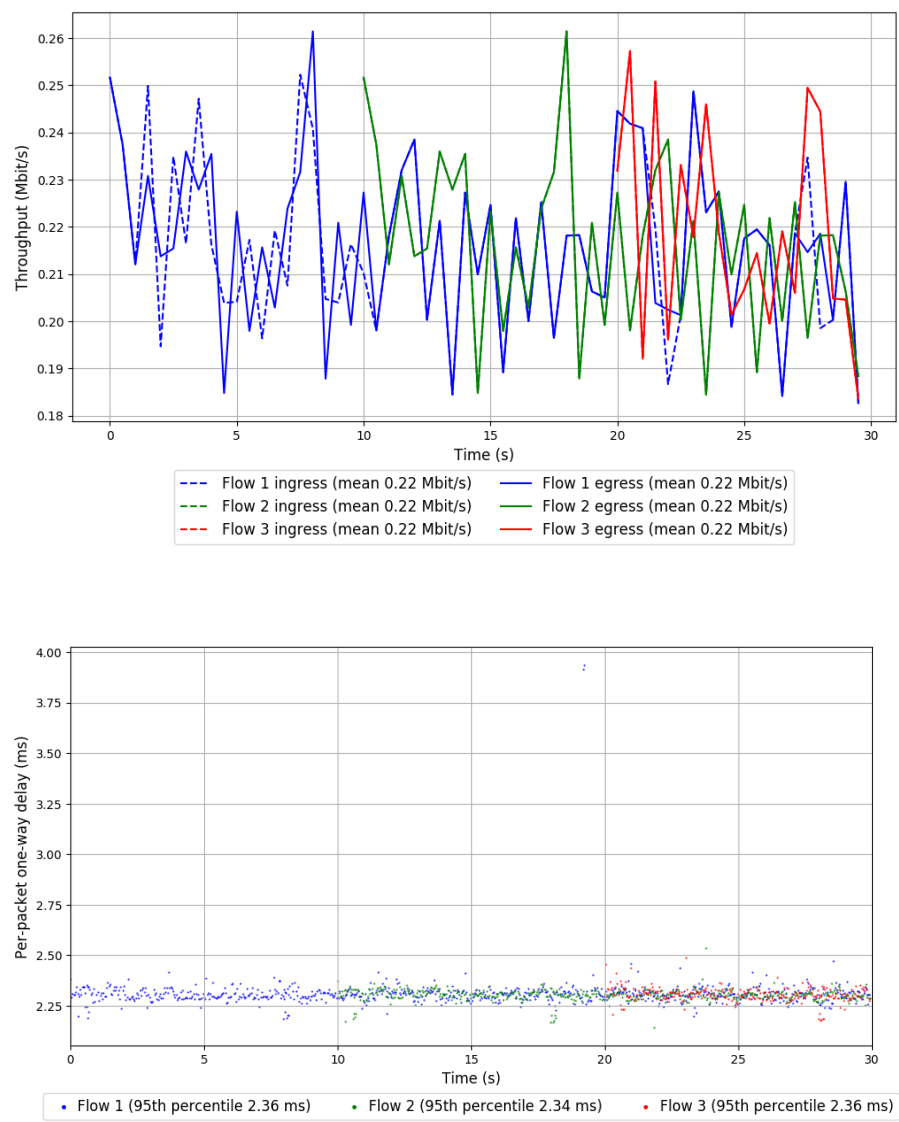


Run 5: Statistics of SReAM

Start at: 2018-03-27 19:11:41  
End at: 2018-03-27 19:12:11  
Local clock offset: -6.038 ms  
Remote clock offset: -6.588 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.351 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.361 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.338 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.359 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

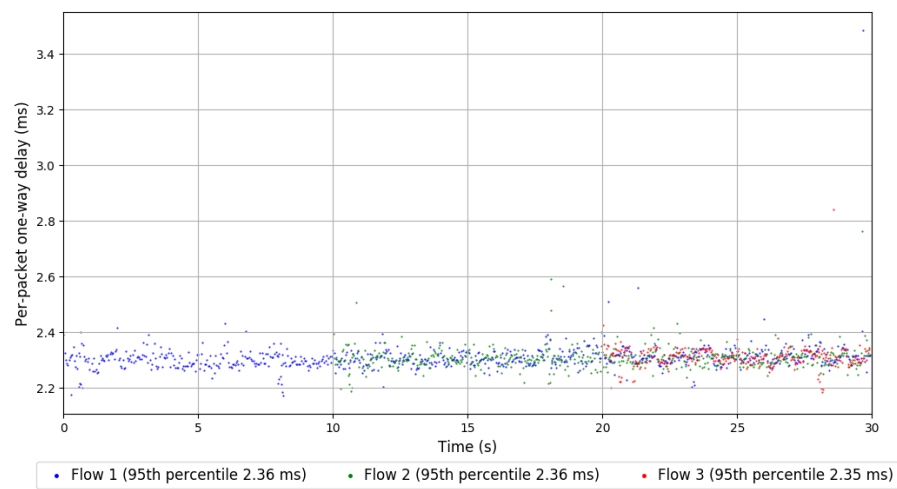
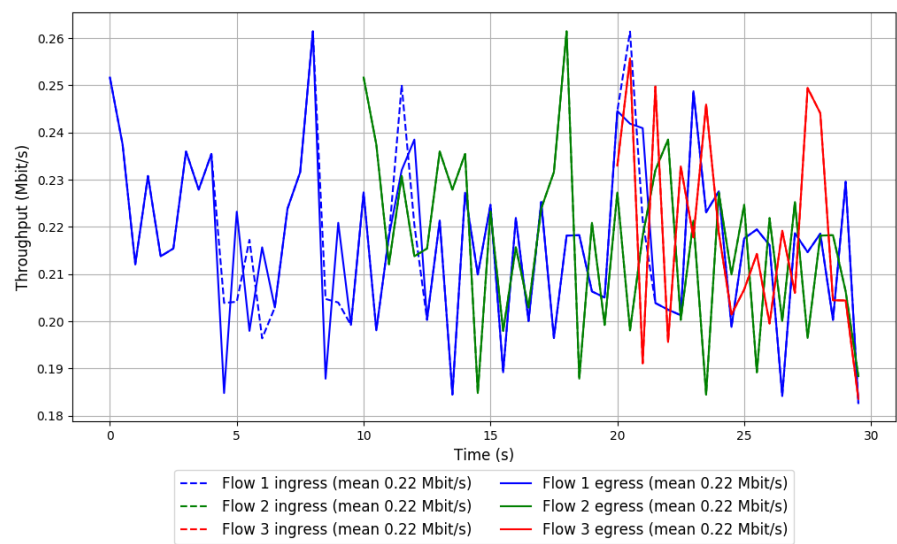


Run 6: Statistics of SReAM

Start at: 2018-03-27 19:32:12  
End at: 2018-03-27 19:32:42  
Local clock offset: -6.187 ms  
Remote clock offset: -6.472 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.357 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.357 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.362 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.349 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



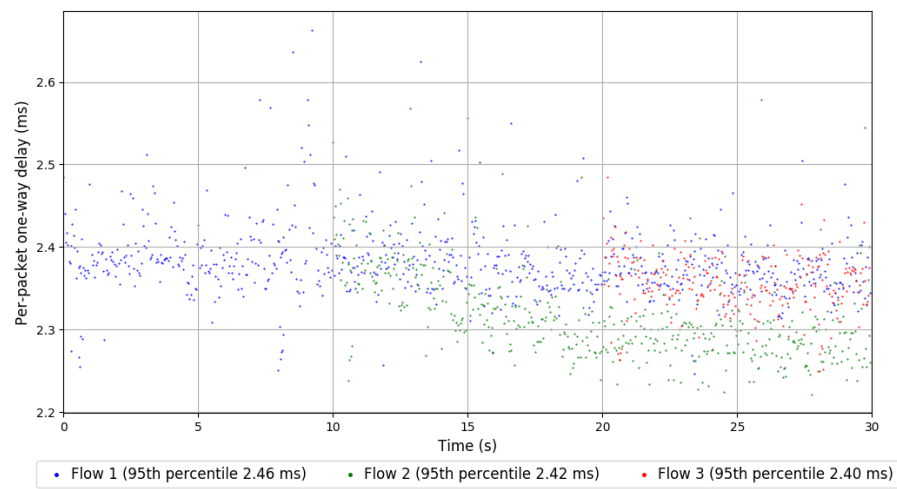
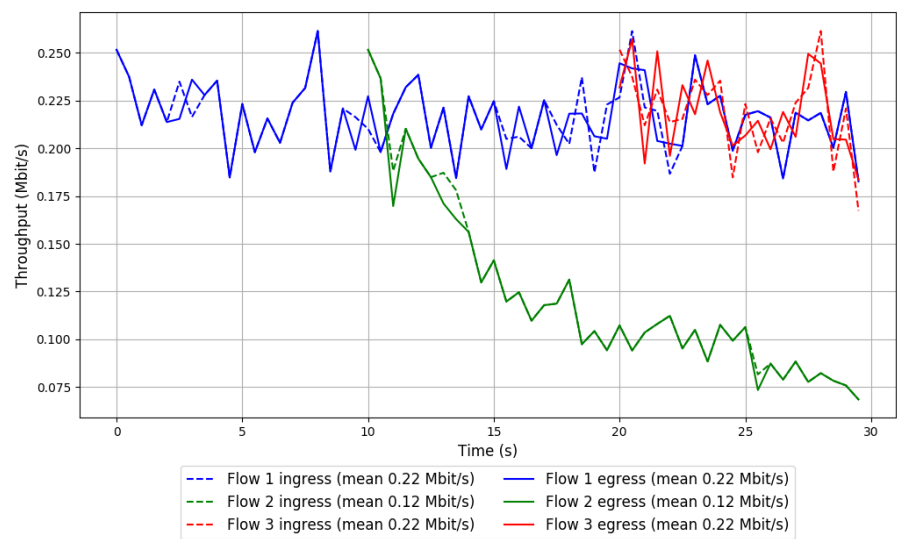
Run 7: Statistics of SReAM

Start at: 2018-03-27 19:52:44  
End at: 2018-03-27 19:53:14  
Local clock offset: -6.017 ms  
Remote clock offset: -5.643 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 2.435 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.463 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 2.417 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.402 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

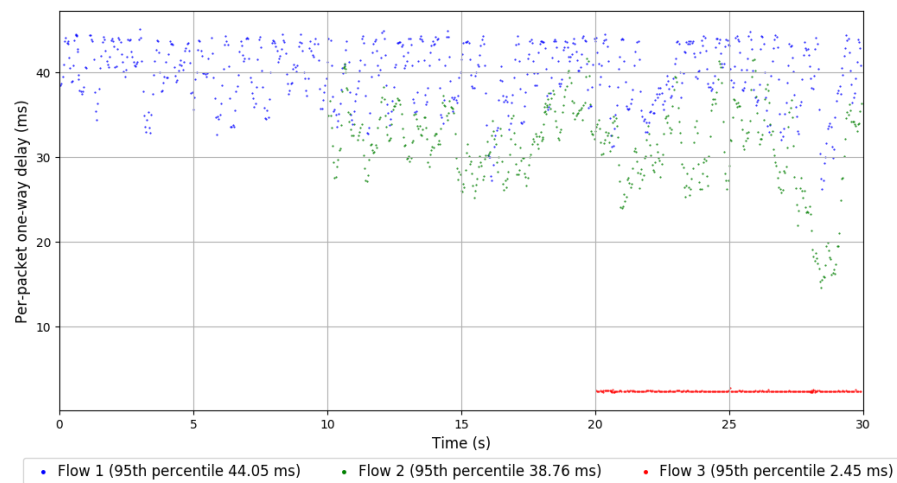
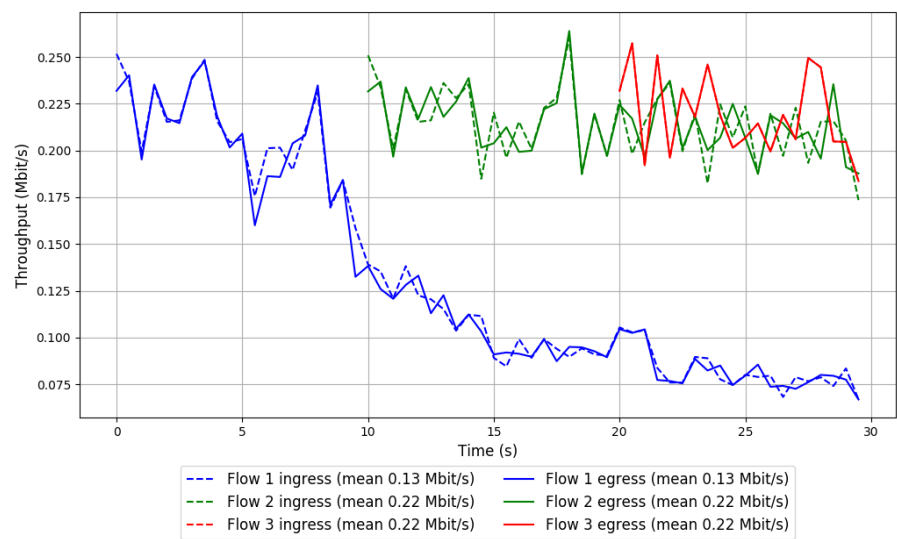


Run 8: Statistics of SReAM

Start at: 2018-03-27 20:13:13  
End at: 2018-03-27 20:13:43  
Local clock offset: -6.222 ms  
Remote clock offset: -4.888 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 43.848 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 0.13 Mbit/s  
95th percentile per-packet one-way delay: 44.048 ms  
Loss rate: 1.17%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 38.755 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.447 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-03-27 20:33:45

End at: 2018-03-27 20:34:15

Local clock offset: -6.446 ms

Remote clock offset: -4.38 ms

# Below is generated by plot.py at 2018-03-27 21:42:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

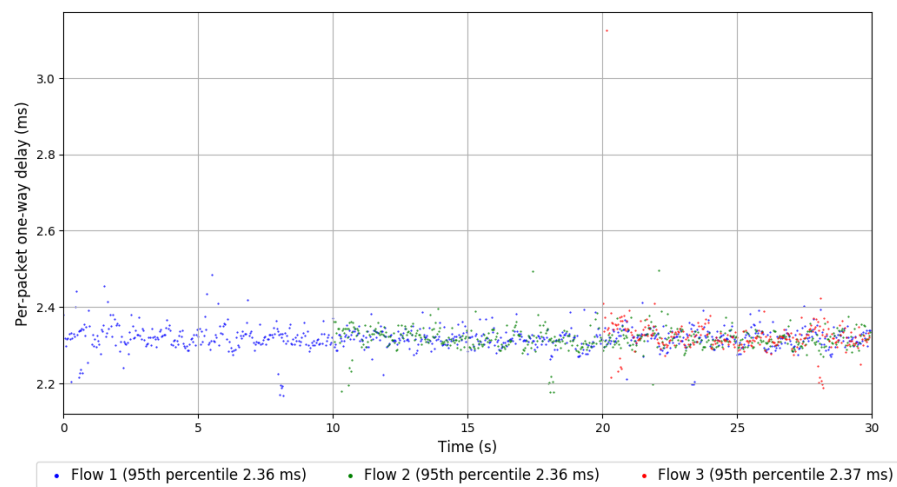
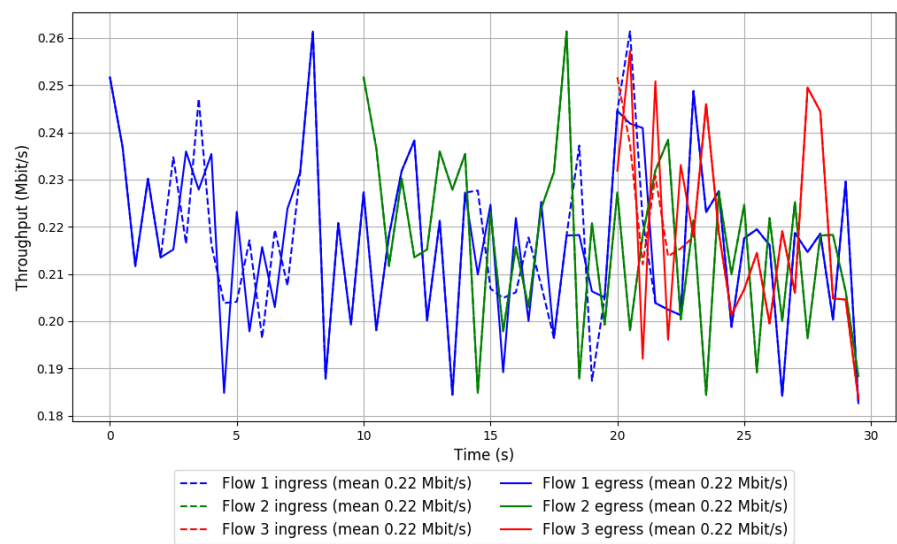
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.371 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

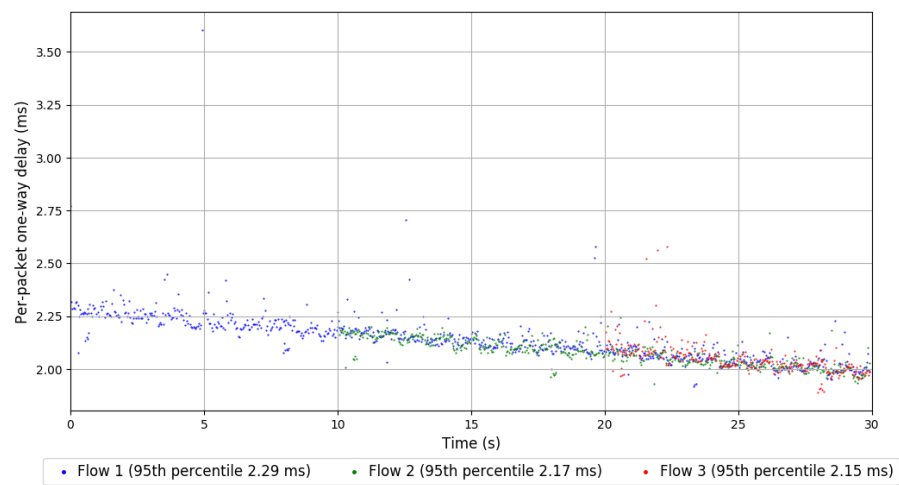
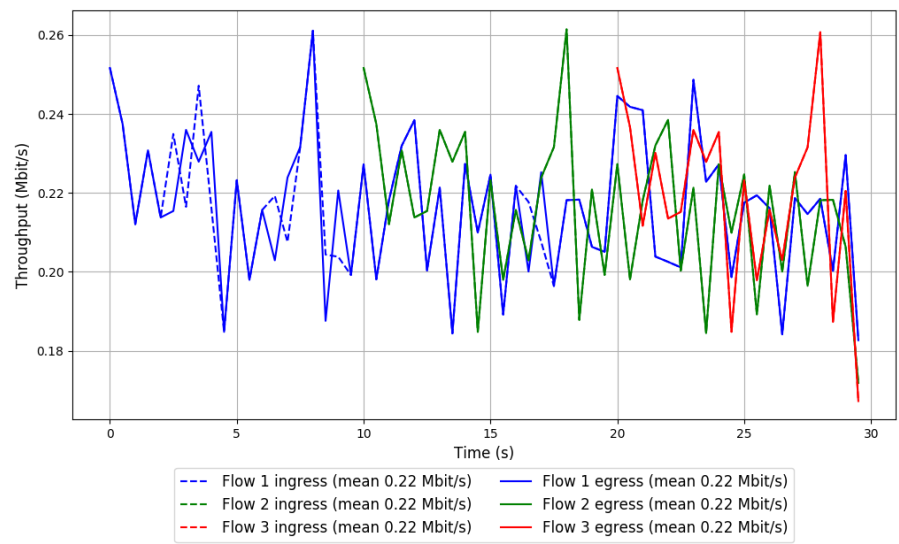


Run 10: Statistics of SReAM

Start at: 2018-03-27 20:54:18  
End at: 2018-03-27 20:54:48  
Local clock offset: -6.561 ms  
Remote clock offset: -2.585 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.264 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.285 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.175 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.154 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



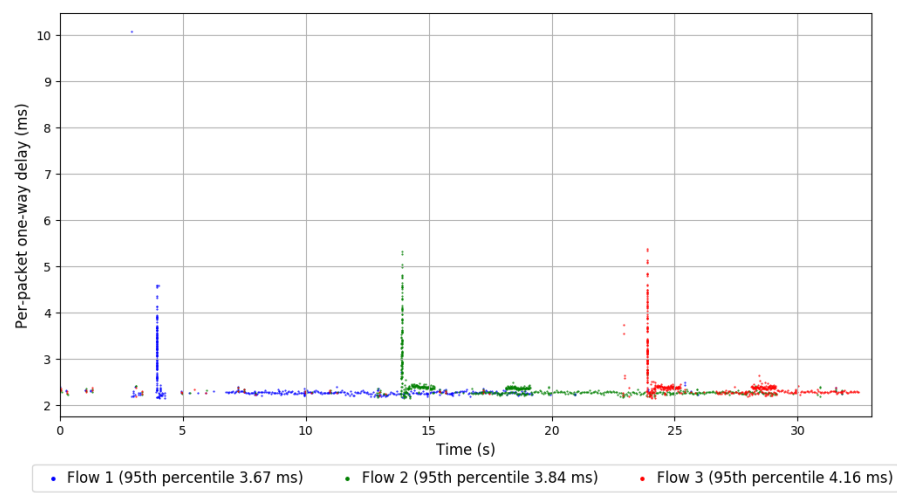
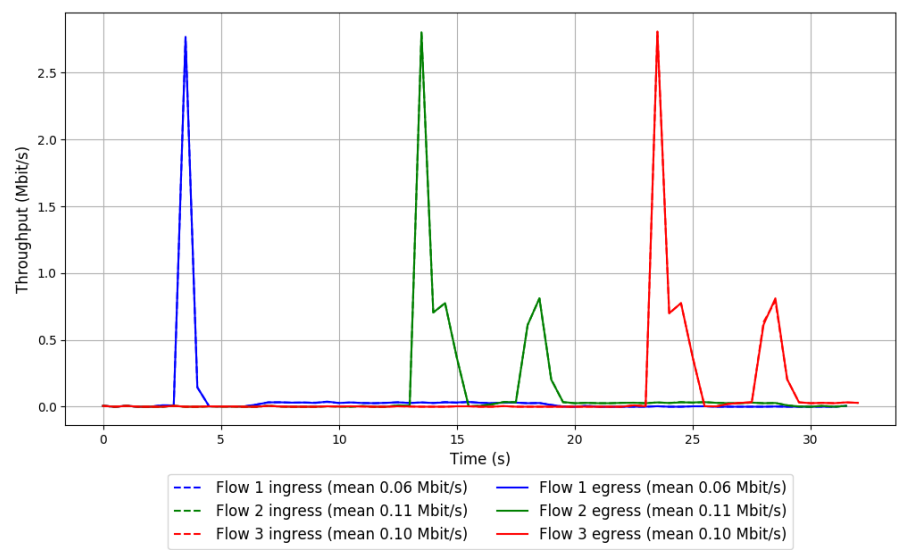
Run 1: Statistics of WebRTC media

Start at: 2018-03-27 17:56:25  
End at: 2018-03-27 17:56:55  
Local clock offset: -6.032 ms  
Remote clock offset: -6.692 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 3.860 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.667 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 3.836 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 4.156 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

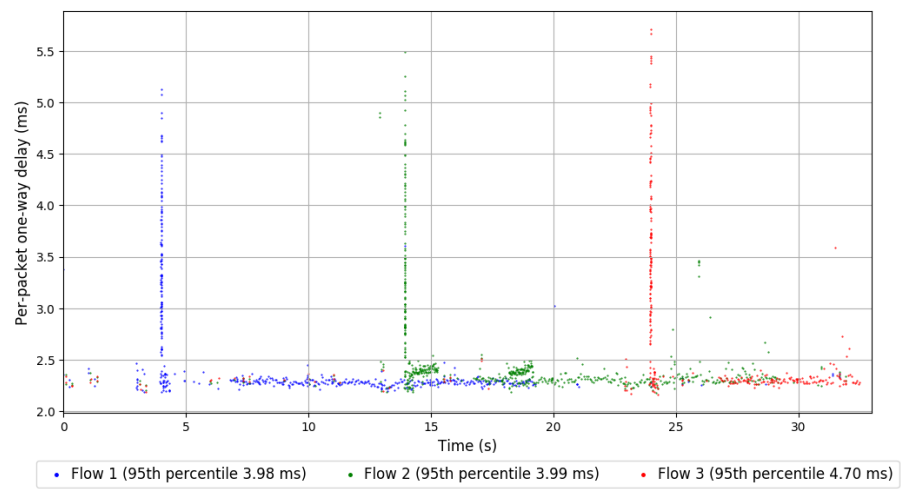
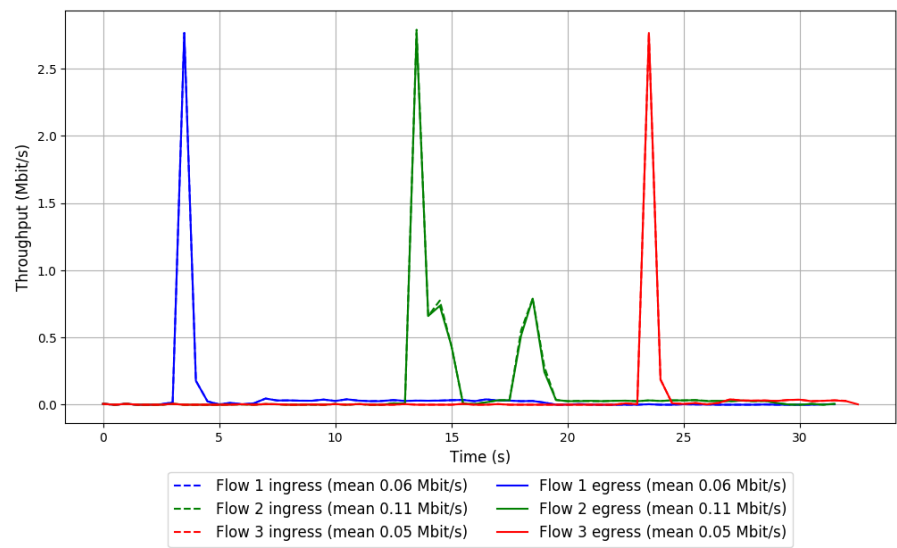


Run 2: Statistics of WebRTC media

Start at: 2018-03-27 18:16:57  
End at: 2018-03-27 18:17:27  
Local clock offset: -6.168 ms  
Remote clock offset: -6.757 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 4.197 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.983 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 3.986 ms  
Loss rate: 2.01%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.704 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

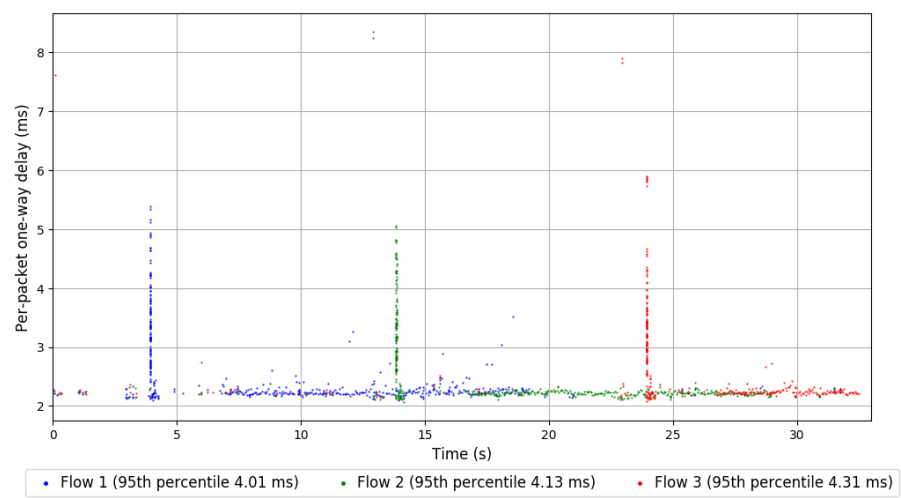
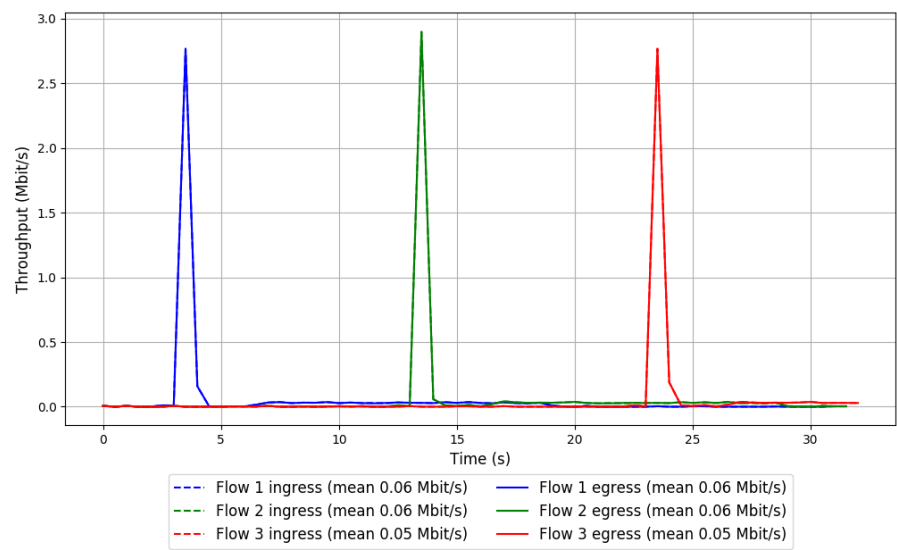


Run 3: Statistics of WebRTC media

Start at: 2018-03-27 18:37:30  
End at: 2018-03-27 18:38:00  
Local clock offset: -5.952 ms  
Remote clock offset: -6.848 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 4.150 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.007 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.130 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.310 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

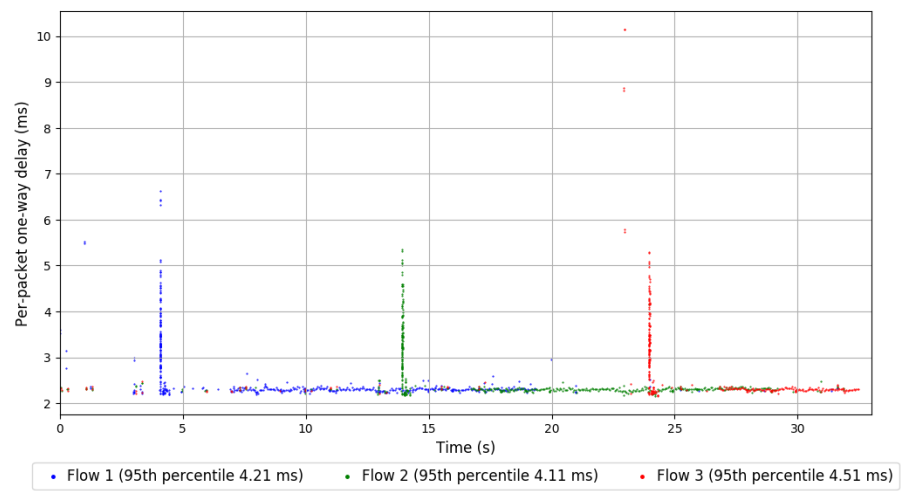
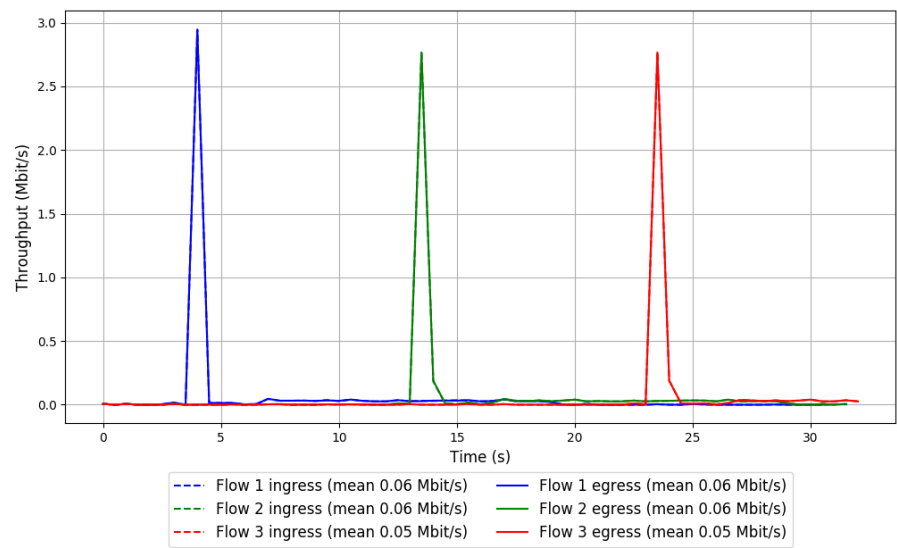


Run 4: Statistics of WebRTC media

Start at: 2018-03-27 18:58:00  
End at: 2018-03-27 18:58:30  
Local clock offset: -5.878 ms  
Remote clock offset: -6.636 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 4.252 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.211 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.110 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.506 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



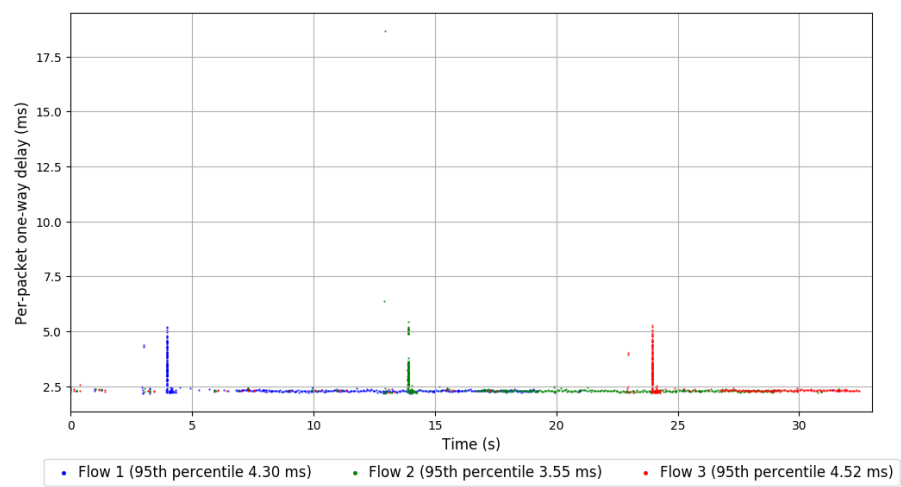
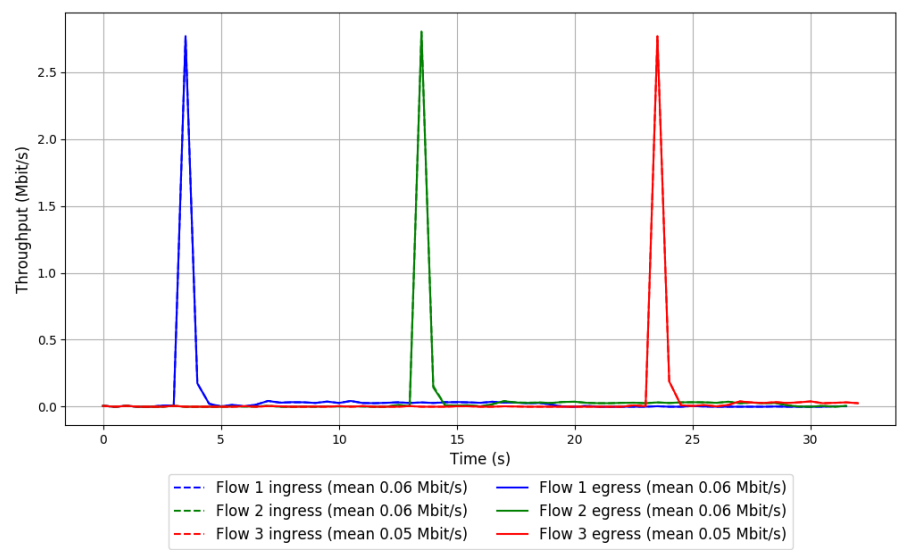
Run 5: Statistics of WebRTC media

Start at: 2018-03-27 19:18:30  
End at: 2018-03-27 19:19:00  
Local clock offset: -6.11 ms  
Remote clock offset: -6.479 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 4.282 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.299 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.552 ms  
Loss rate: 0.35%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.520 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

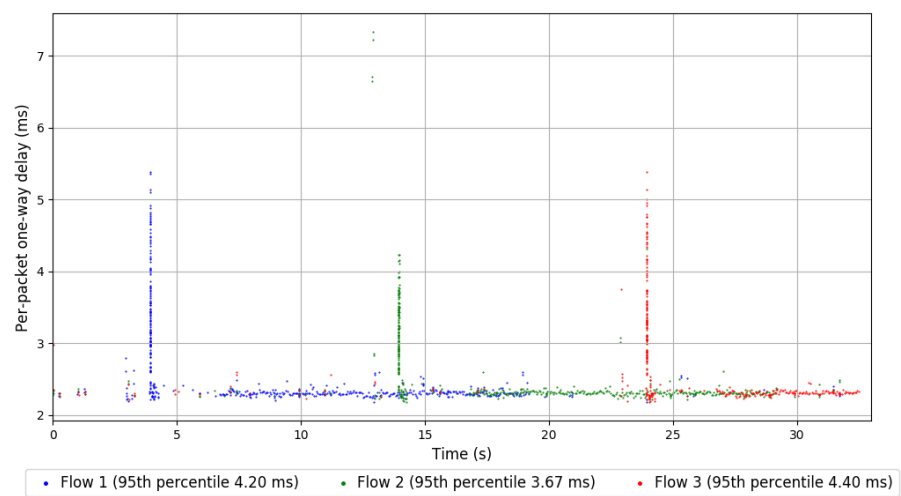
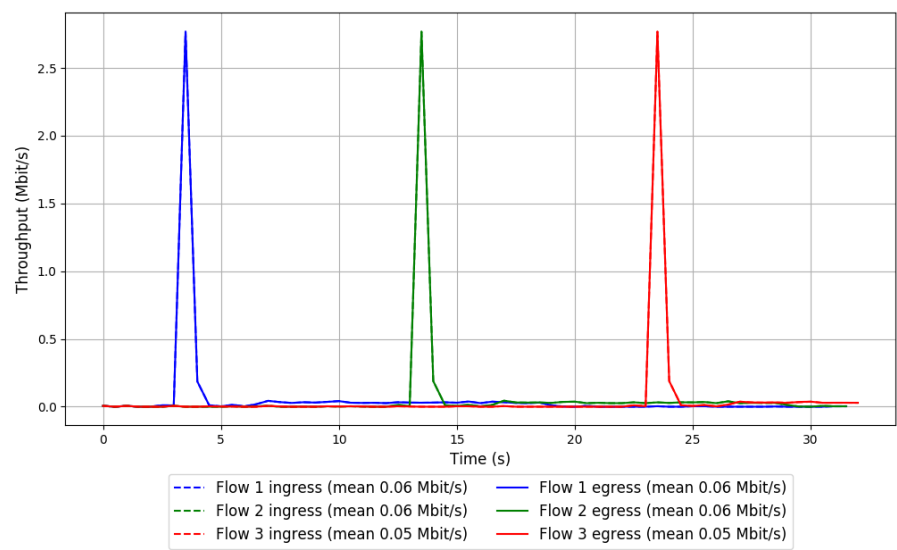


Run 6: Statistics of WebRTC media

Start at: 2018-03-27 19:39:01  
End at: 2018-03-27 19:39:31  
Local clock offset: -6.101 ms  
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 4.045 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.202 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.674 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.401 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

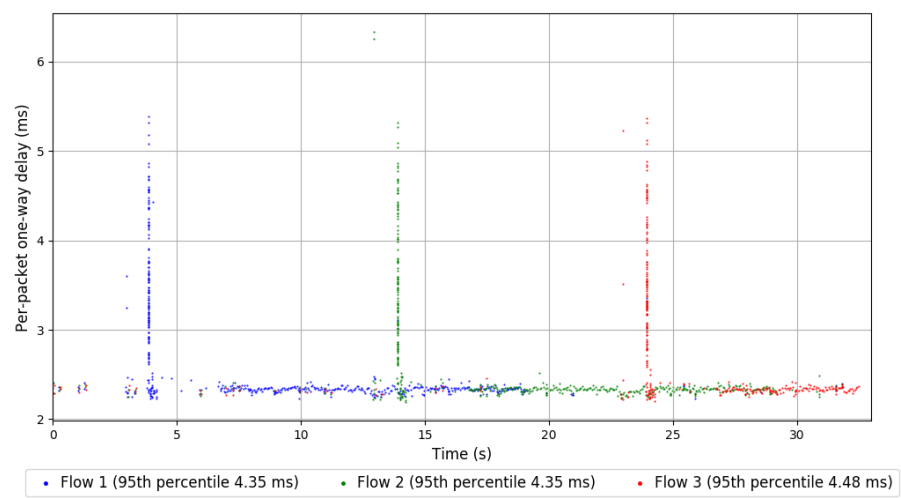
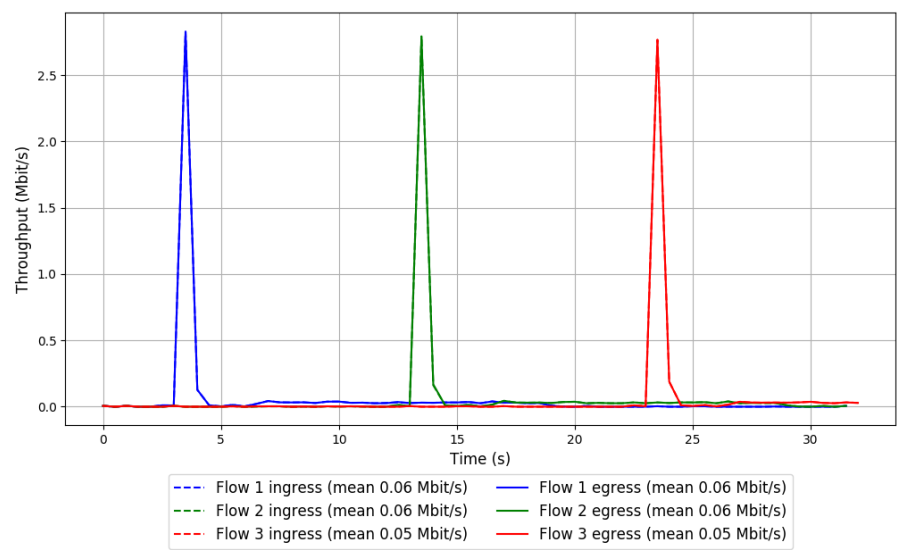


Run 7: Statistics of WebRTC media

Start at: 2018-03-27 19:59:32  
End at: 2018-03-27 20:00:02  
Local clock offset: -6.073 ms  
Remote clock offset: -5.342 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 4.391 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.350 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.350 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 4.478 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-27 20:20:03

End at: 2018-03-27 20:20:33

Local clock offset: -6.393 ms

Remote clock offset: -4.8 ms

# Below is generated by plot.py at 2018-03-27 21:42:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 4.334 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.259 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.320 ms

Loss rate: 0.00%

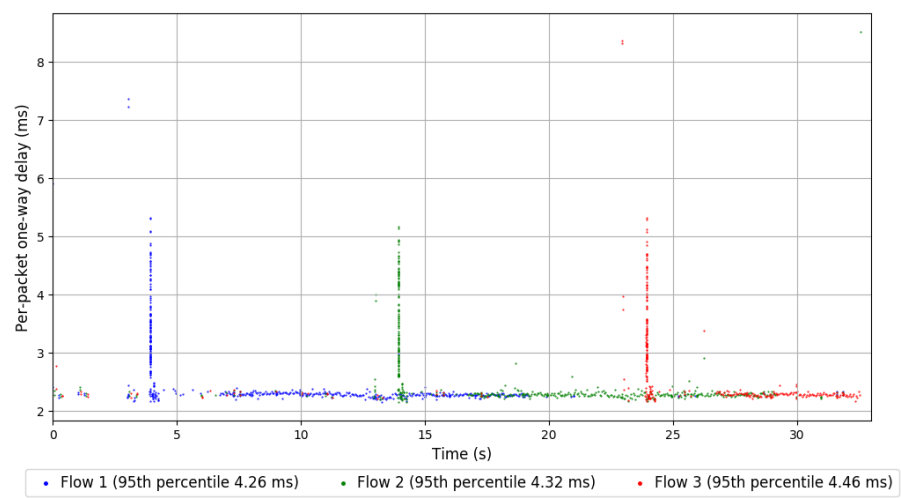
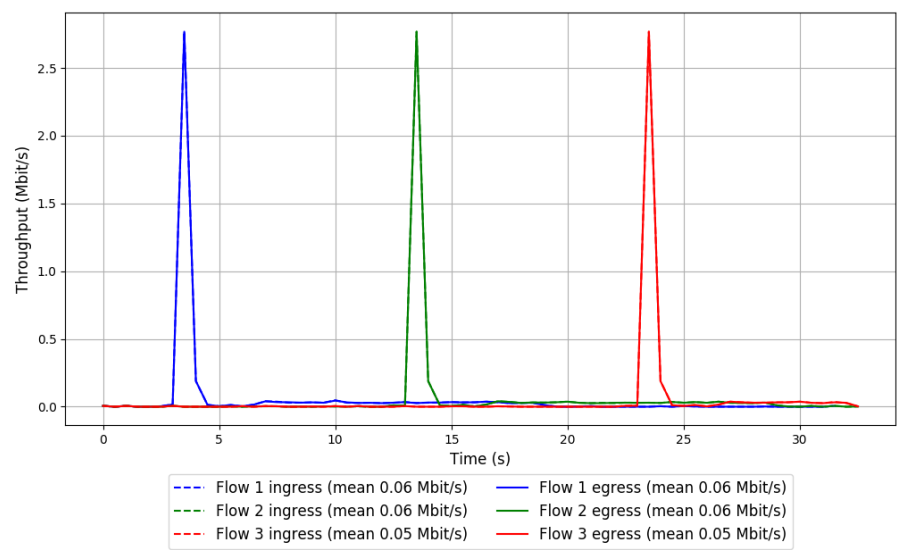
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.459 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



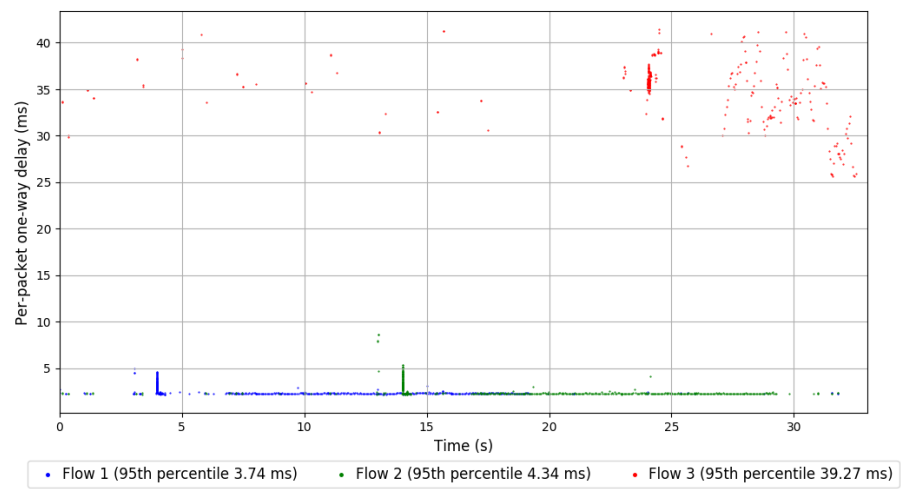
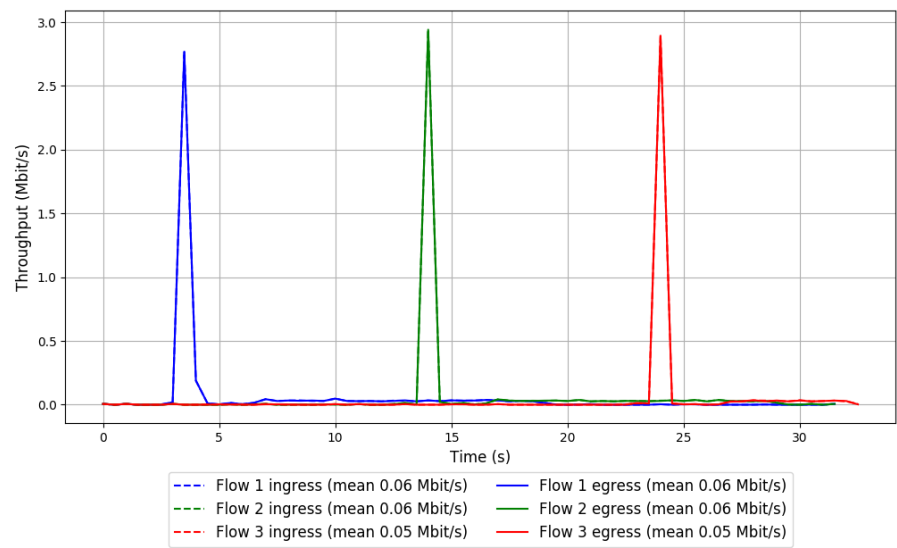
Run 9: Statistics of WebRTC media

Start at: 2018-03-27 20:40:35  
End at: 2018-03-27 20:41:05  
Local clock offset: -6.525 ms  
Remote clock offset: -4.179 ms

# Below is generated by plot.py at 2018-03-27 21:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 36.902 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 3.742 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 4.342 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 39.270 ms  
Loss rate: 0.16%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-27 21:01:07

End at: 2018-03-27 21:01:37

Local clock offset: -6.587 ms

Remote clock offset: 0.551 ms

# Below is generated by plot.py at 2018-03-27 21:42:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 4.195 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.120 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.212 ms

Loss rate: 0.00%

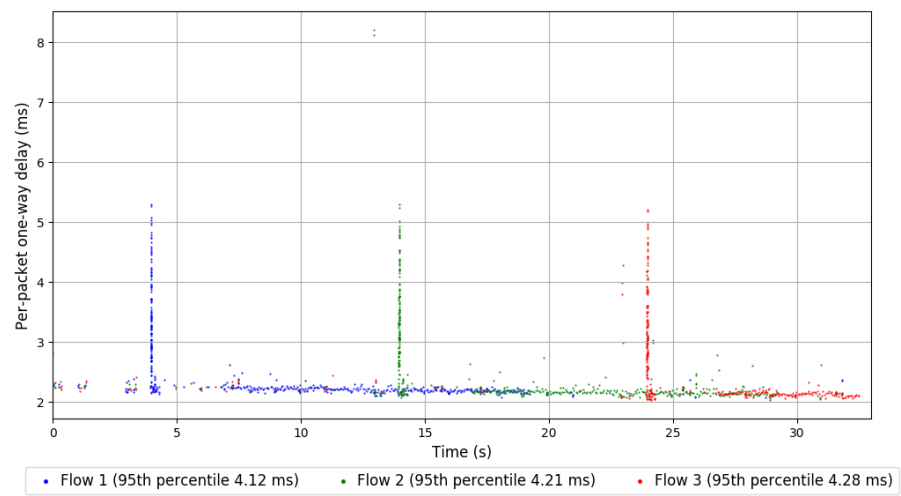
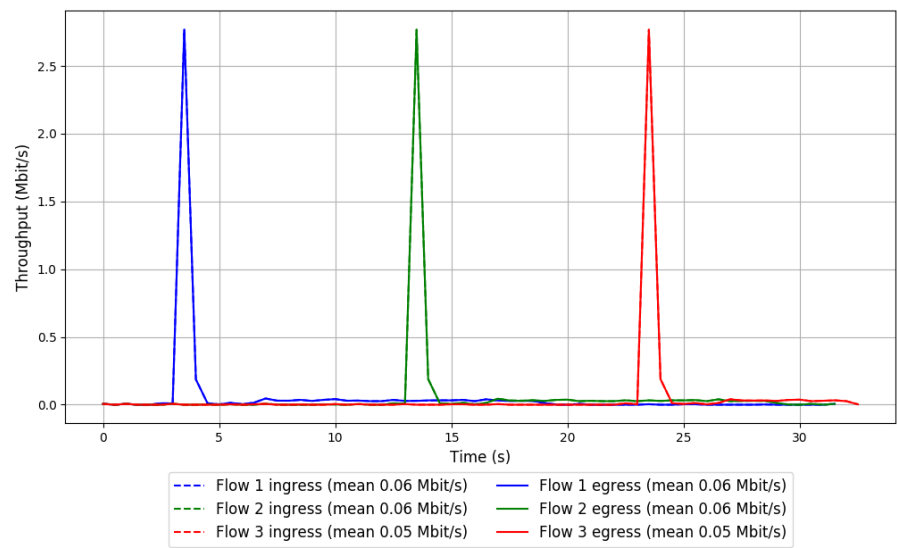
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.280 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-03-27 17:41:36

End at: 2018-03-27 17:42:06

Local clock offset: -5.871 ms

Remote clock offset: -6.61 ms

# Below is generated by plot.py at 2018-03-27 21:42:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: 21.780 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.76 Mbit/s

95th percentile per-packet one-way delay: 20.143 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 23.632 ms

Loss rate: 0.00%

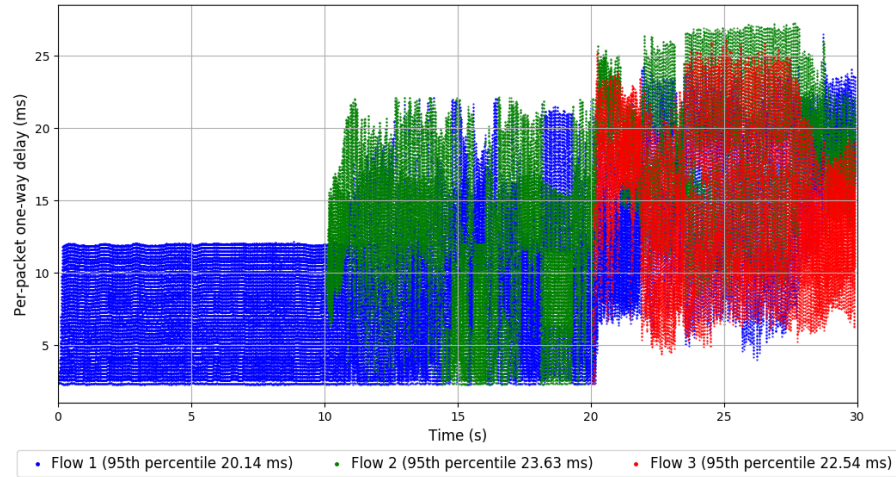
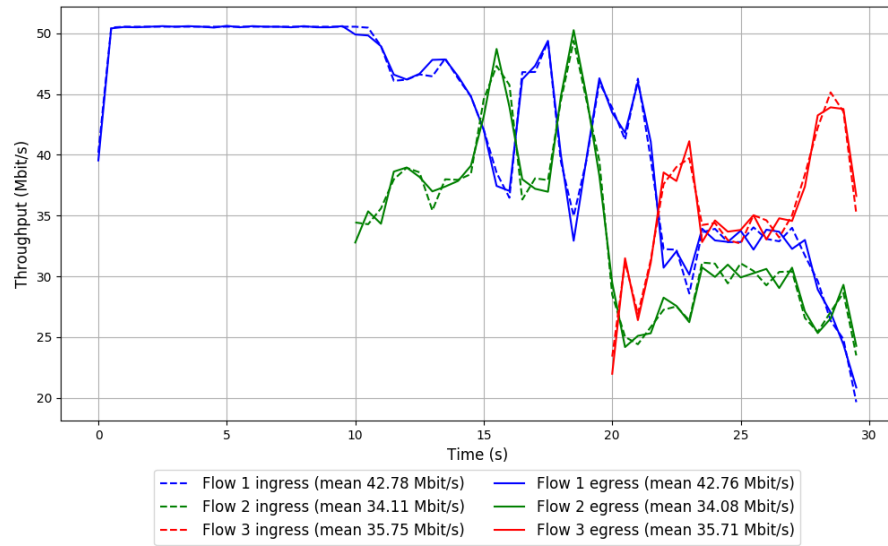
-- Flow 3:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 22.538 ms

Loss rate: 0.00%

## Run 1: Report of Sprout — Data Link

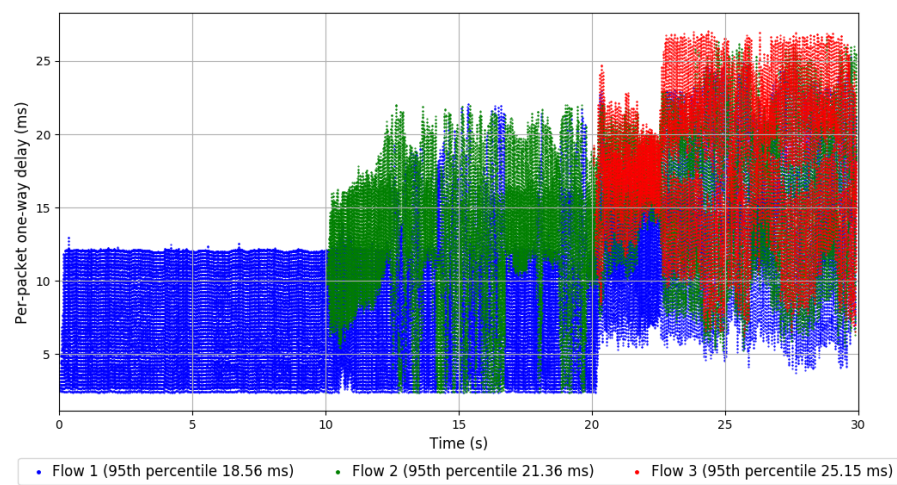
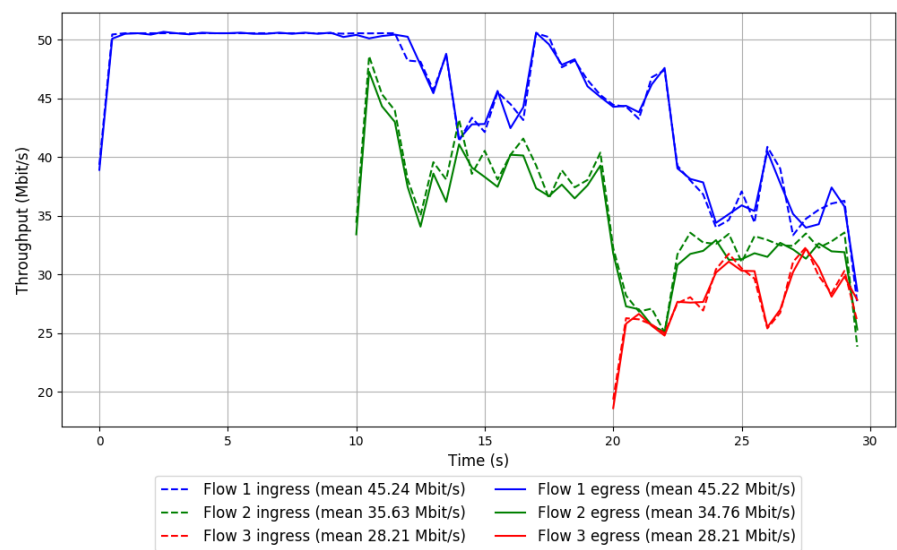


## Run 2: Statistics of Sprout

Start at: 2018-03-27 18:02:08  
End at: 2018-03-27 18:02:38  
Local clock offset: -6.161 ms  
Remote clock offset: -6.703 ms

```
# Below is generated by plot.py at 2018-03-27 21:42:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 21.728 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 18.562 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 21.363 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 25.154 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



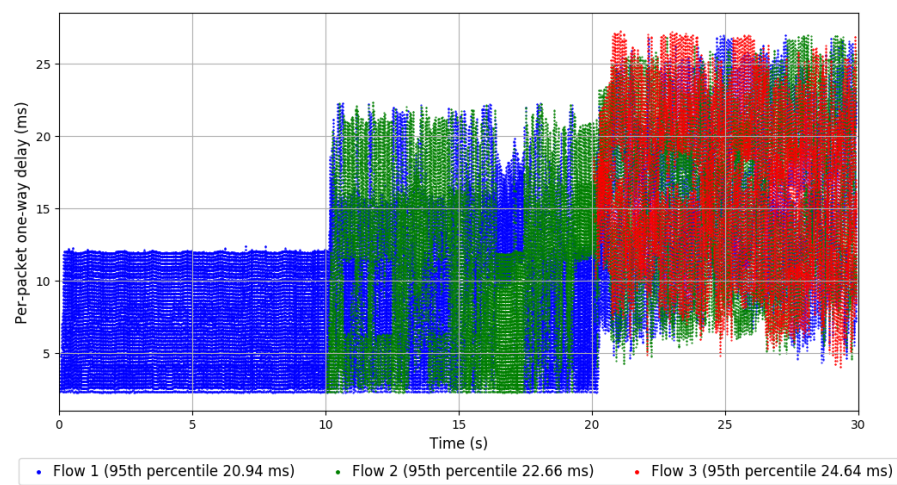
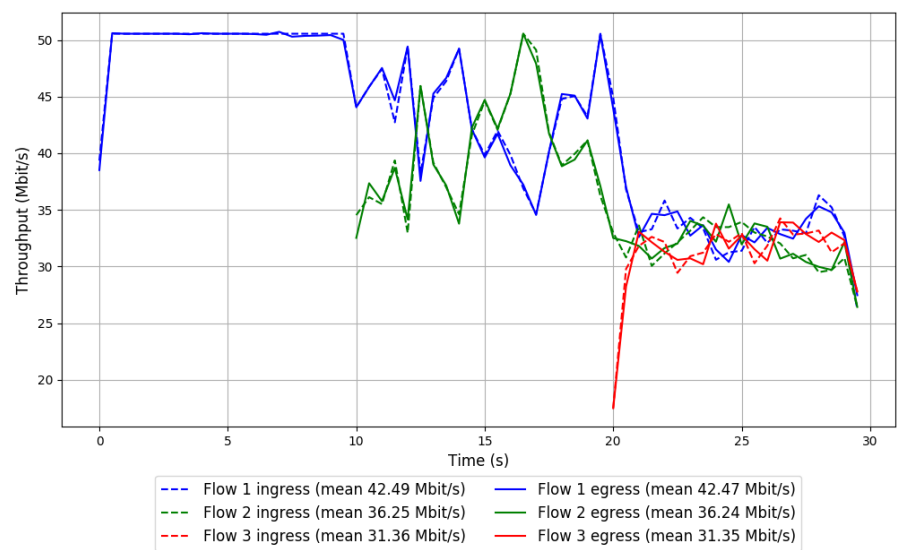
### Run 3: Statistics of Sprout

Start at: 2018-03-27 18:22:41  
End at: 2018-03-27 18:23:11  
Local clock offset: -6.173 ms  
Remote clock offset: -6.782 ms

```
# Below is generated by plot.py at 2018-03-27 21:42:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 22.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 20.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 22.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 24.639 ms
Loss rate: 0.00%
```



Run 3: Report of Sprout — Data Link

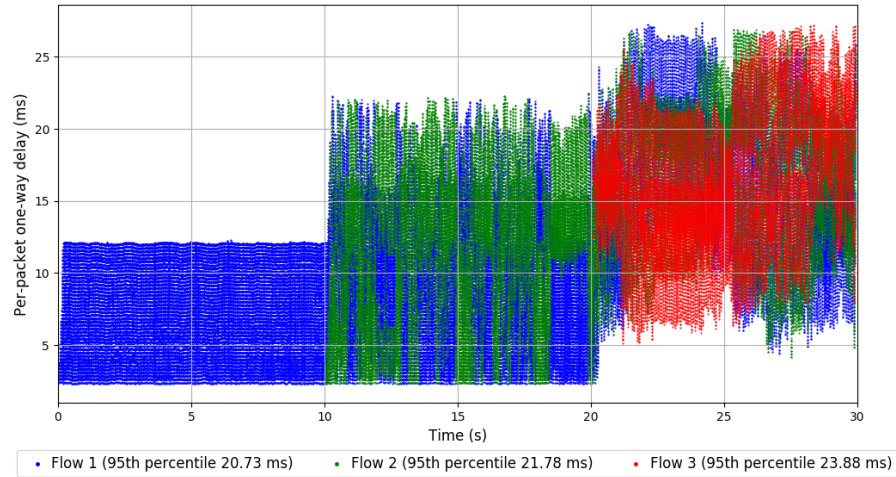
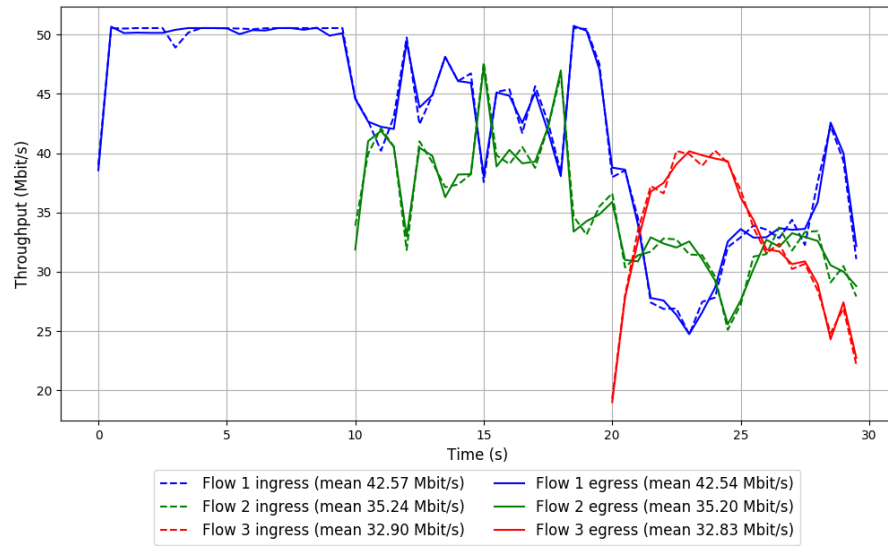


#### Run 4: Statistics of Sprout

Start at: 2018-03-27 18:43:13  
End at: 2018-03-27 18:43:43  
Local clock offset: -5.897 ms  
Remote clock offset: -6.689 ms

```
# Below is generated by plot.py at 2018-03-27 21:42:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 21.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 20.728 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 21.776 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 23.876 ms
Loss rate: 0.00%
```

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

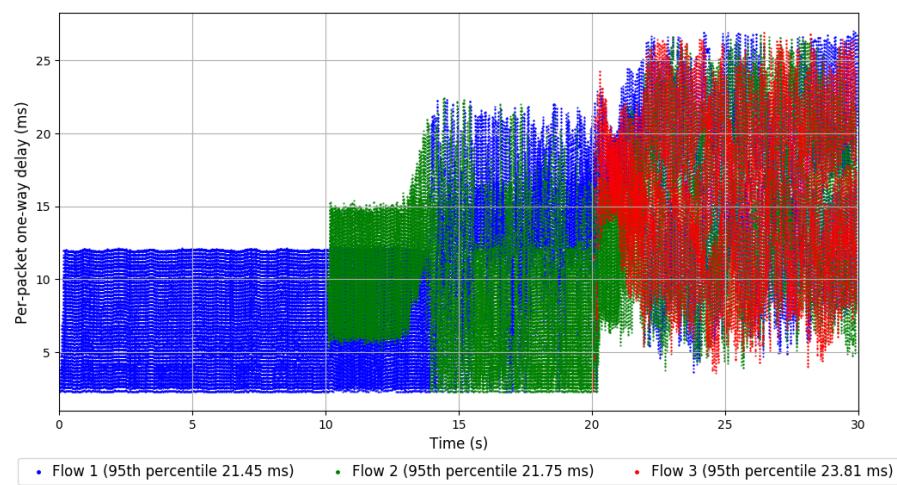
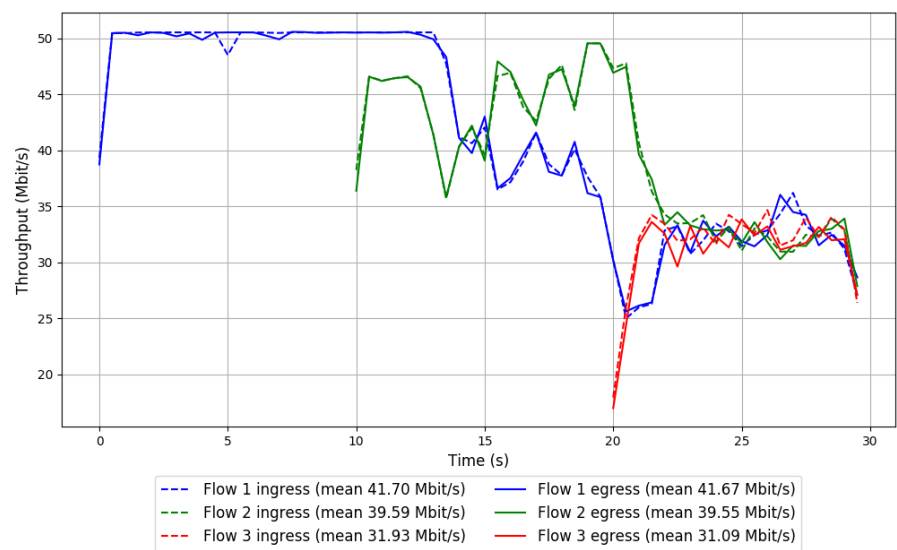


Run 5: Statistics of Sprout

Start at: 2018-03-27 19:03:43  
End at: 2018-03-27 19:04:13  
Local clock offset: -5.976 ms  
Remote clock offset: -6.634 ms

# Below is generated by plot.py at 2018-03-27 21:42:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.25 Mbit/s  
95th percentile per-packet one-way delay: 22.182 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 41.67 Mbit/s  
95th percentile per-packet one-way delay: 21.455 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.55 Mbit/s  
95th percentile per-packet one-way delay: 21.747 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 31.09 Mbit/s  
95th percentile per-packet one-way delay: 23.809 ms  
Loss rate: 2.53%

Run 5: Report of Sprout — Data Link

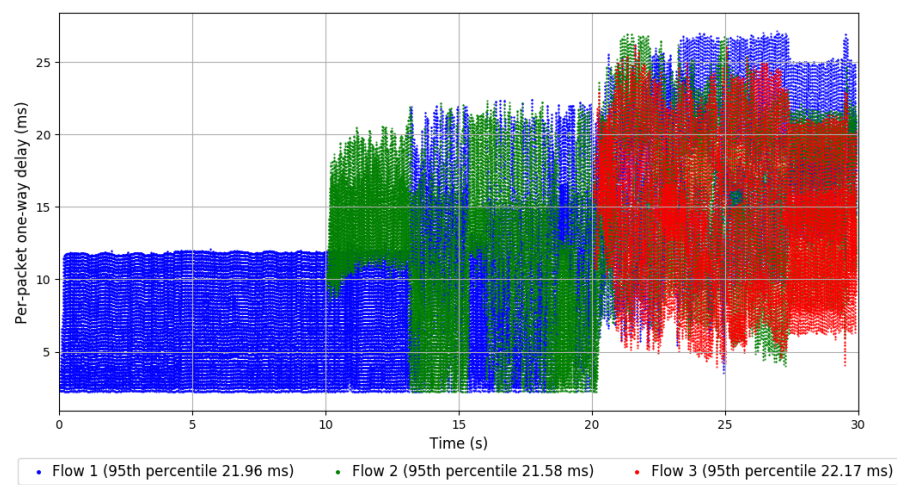
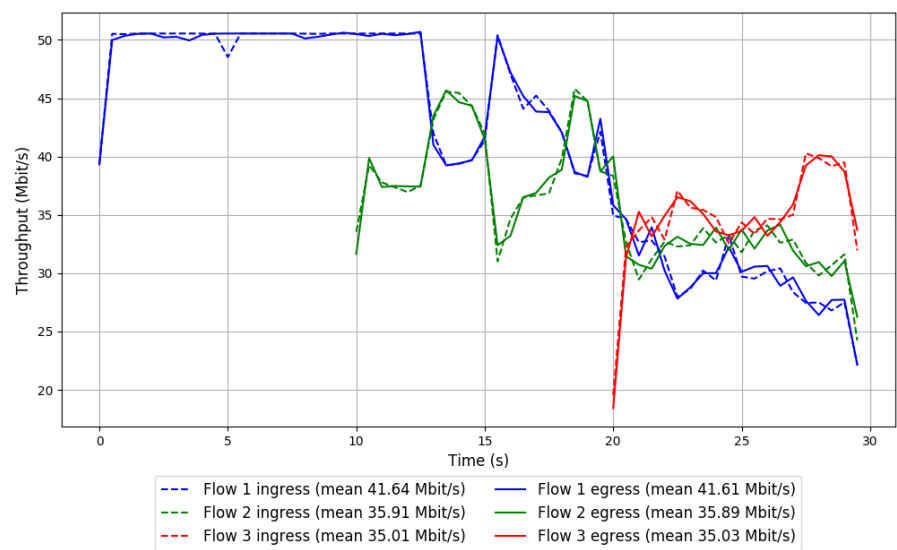


Run 6: Statistics of Sprout

Start at: 2018-03-27 19:24:13  
End at: 2018-03-27 19:24:43  
Local clock offset: -6.163 ms  
Remote clock offset: -6.542 ms

# Below is generated by plot.py at 2018-03-27 21:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.04 Mbit/s  
95th percentile per-packet one-way delay: 21.878 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 41.61 Mbit/s  
95th percentile per-packet one-way delay: 21.957 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 35.89 Mbit/s  
95th percentile per-packet one-way delay: 21.582 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 35.03 Mbit/s  
95th percentile per-packet one-way delay: 22.171 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



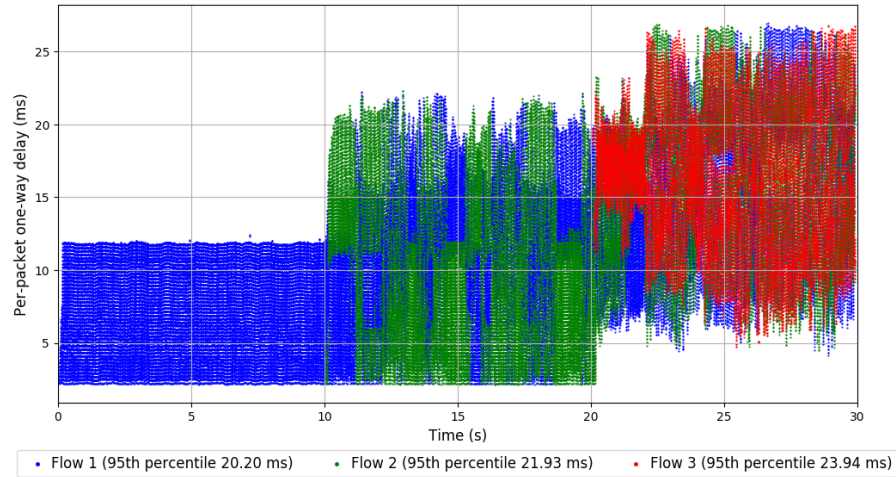
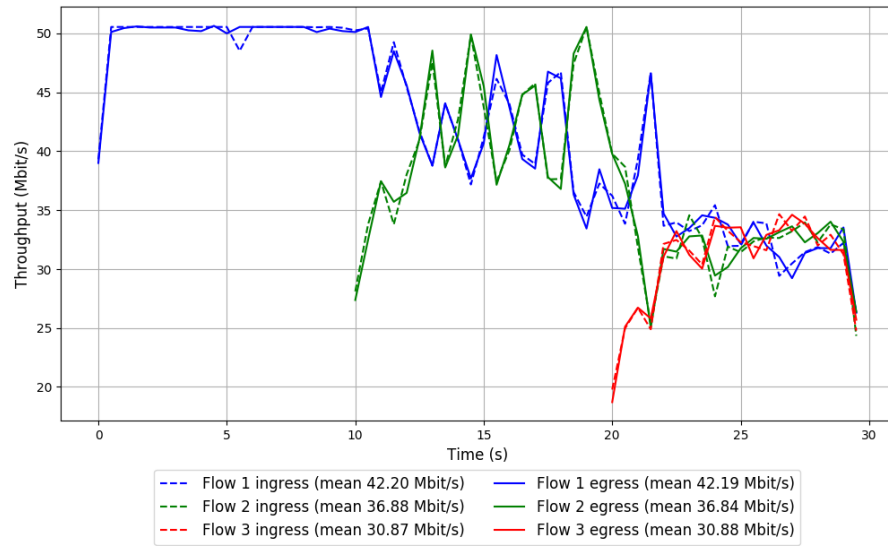
Run 7: Statistics of Sprout

Start at: 2018-03-27 19:44:45  
End at: 2018-03-27 19:45:15  
Local clock offset: -6.036 ms  
Remote clock offset: -6.393 ms

```
# Below is generated by plot.py at 2018-03-27 21:43:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 21.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 20.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 21.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 23.939 ms
Loss rate: 0.00%
```



## Run 7: Report of Sprout — Data Link

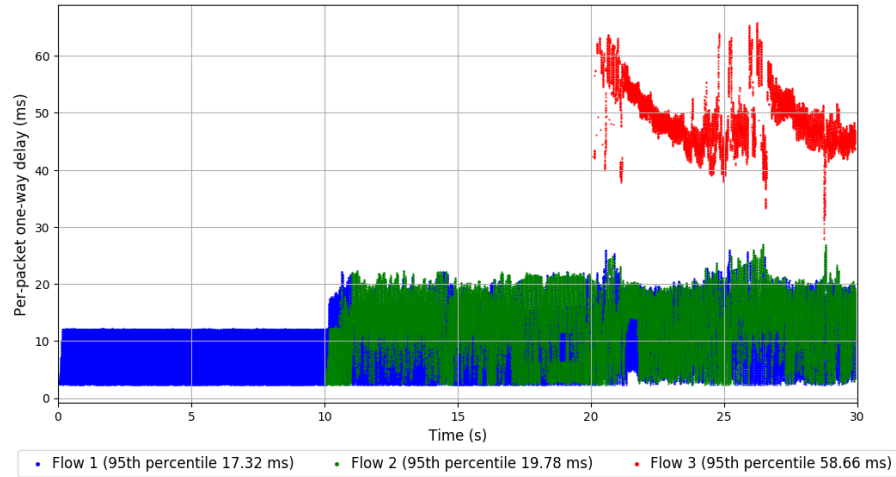
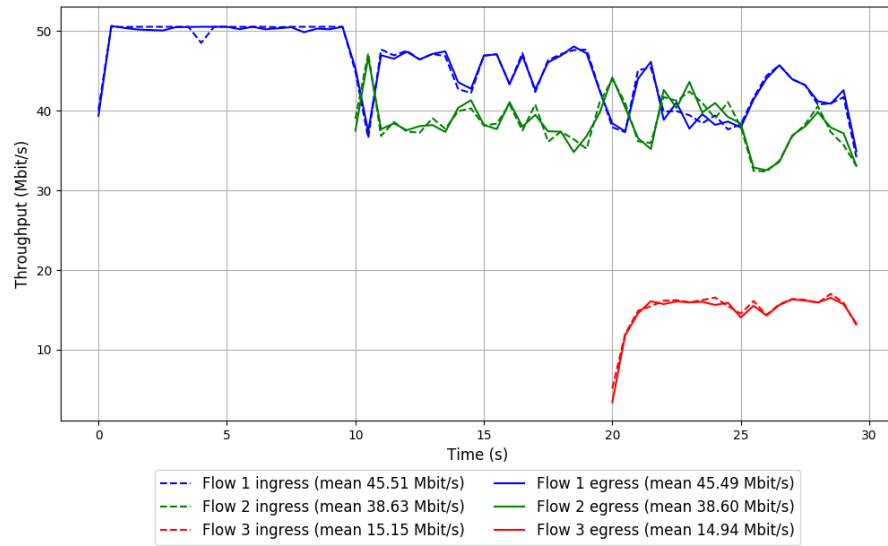


Run 8: Statistics of Sprout

Start at: 2018-03-27 20:05:14  
End at: 2018-03-27 20:05:44  
Local clock offset: -6.053 ms  
Remote clock offset: -5.137 ms

# Below is generated by plot.py at 2018-03-27 21:43:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.09 Mbit/s  
95th percentile per-packet one-way delay: 45.275 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 45.49 Mbit/s  
95th percentile per-packet one-way delay: 17.319 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 38.60 Mbit/s  
95th percentile per-packet one-way delay: 19.776 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 14.94 Mbit/s  
95th percentile per-packet one-way delay: 58.657 ms  
Loss rate: 1.57%

## Run 8: Report of Sprout — Data Link

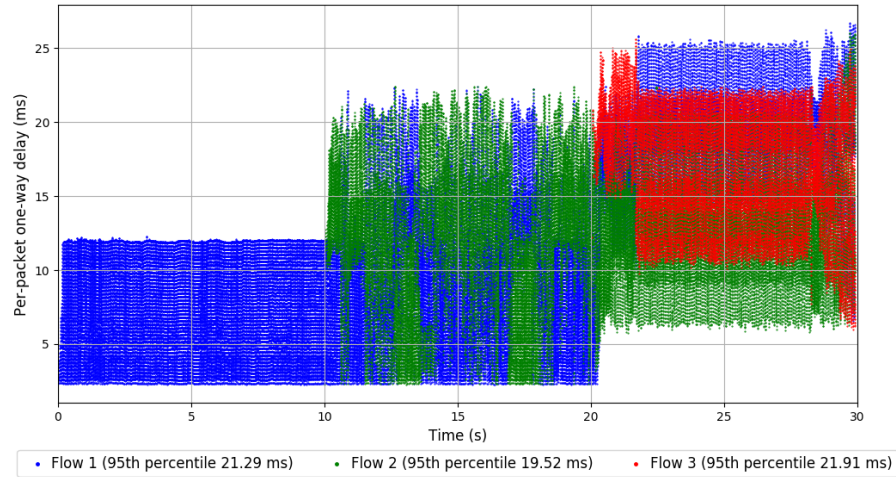
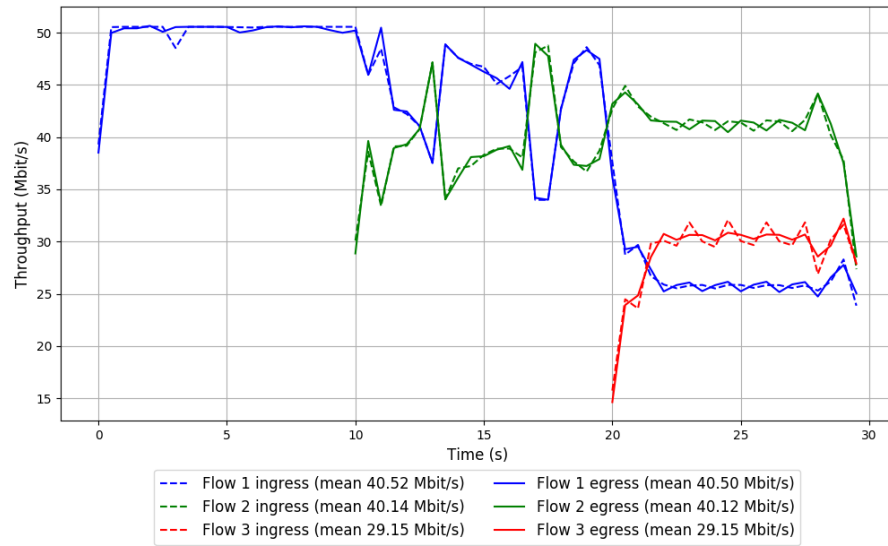


Run 9: Statistics of Sprout

Start at: 2018-03-27 20:25:46  
End at: 2018-03-27 20:26:16  
Local clock offset: -6.374 ms  
Remote clock offset: -4.587 ms

# Below is generated by plot.py at 2018-03-27 21:43:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.80 Mbit/s  
95th percentile per-packet one-way delay: 21.044 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 40.50 Mbit/s  
95th percentile per-packet one-way delay: 21.286 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.12 Mbit/s  
95th percentile per-packet one-way delay: 19.518 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 29.15 Mbit/s  
95th percentile per-packet one-way delay: 21.908 ms  
Loss rate: 0.00%

## Run 9: Report of Sprout — Data Link

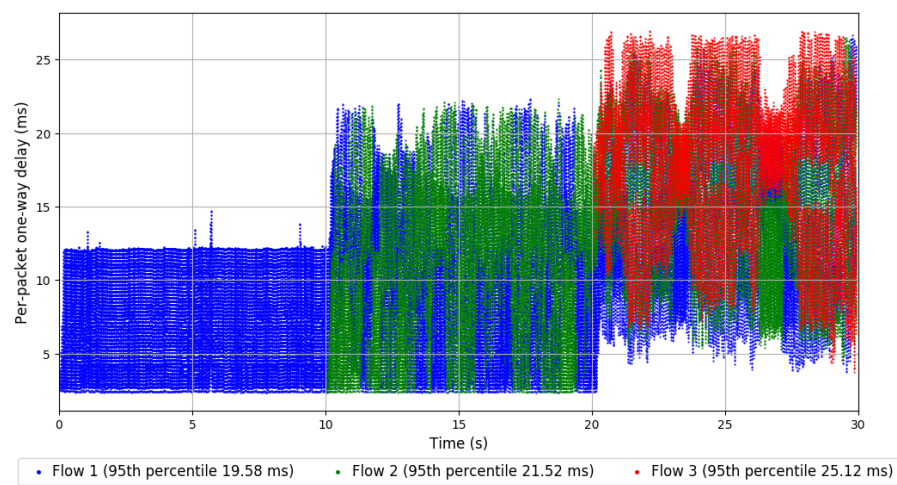
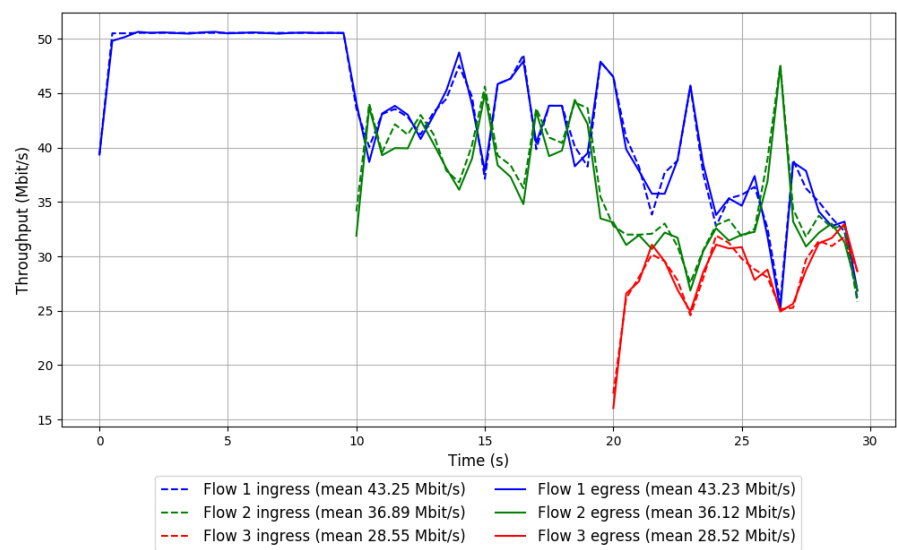


Run 10: Statistics of Sprout

Start at: 2018-03-27 20:46:19  
End at: 2018-03-27 20:46:49  
Local clock offset: -6.607 ms  
Remote clock offset: -4.009 ms

# Below is generated by plot.py at 2018-03-27 21:43:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.64 Mbit/s  
95th percentile per-packet one-way delay: 21.775 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 43.23 Mbit/s  
95th percentile per-packet one-way delay: 19.583 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.12 Mbit/s  
95th percentile per-packet one-way delay: 21.522 ms  
Loss rate: 2.07%  
-- Flow 3:  
Average throughput: 28.52 Mbit/s  
95th percentile per-packet one-way delay: 25.118 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



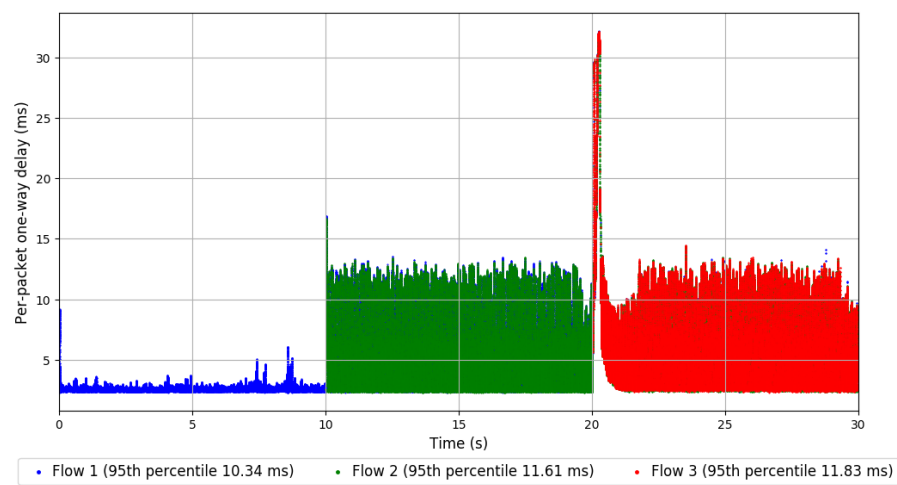
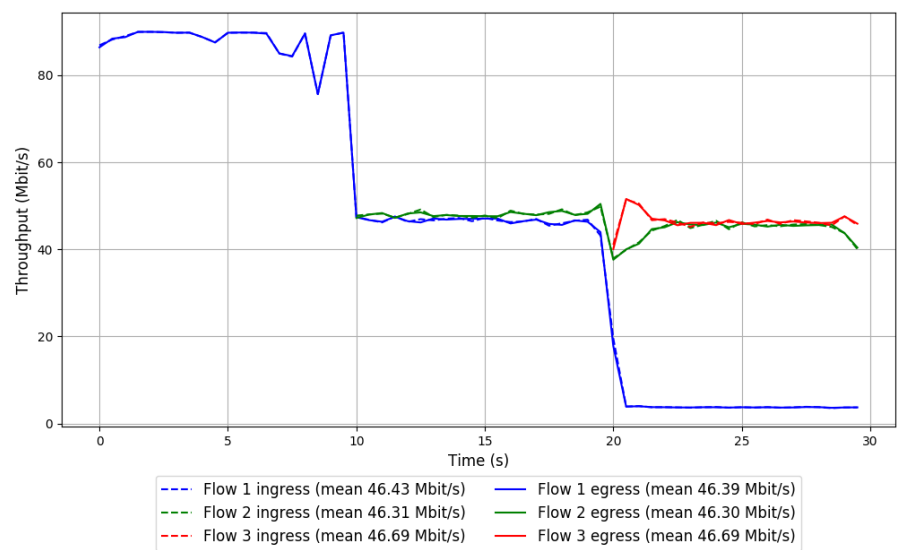
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 17:59:47
End at: 2018-03-27 18:00:17
Local clock offset: -6.078 ms
Remote clock offset: -6.697 ms

# Below is generated by plot.py at 2018-03-27 21:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 11.248 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 10.336 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 11.608 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 11.830 ms
Loss rate: 0.06%
```



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

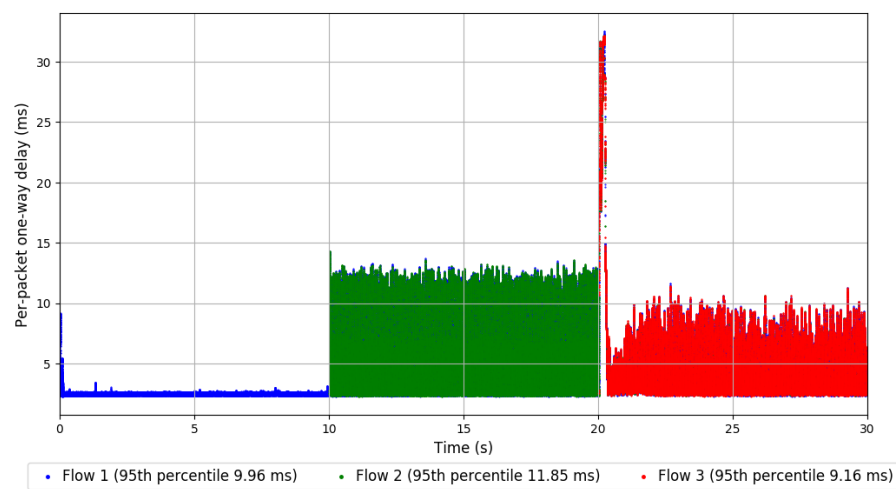
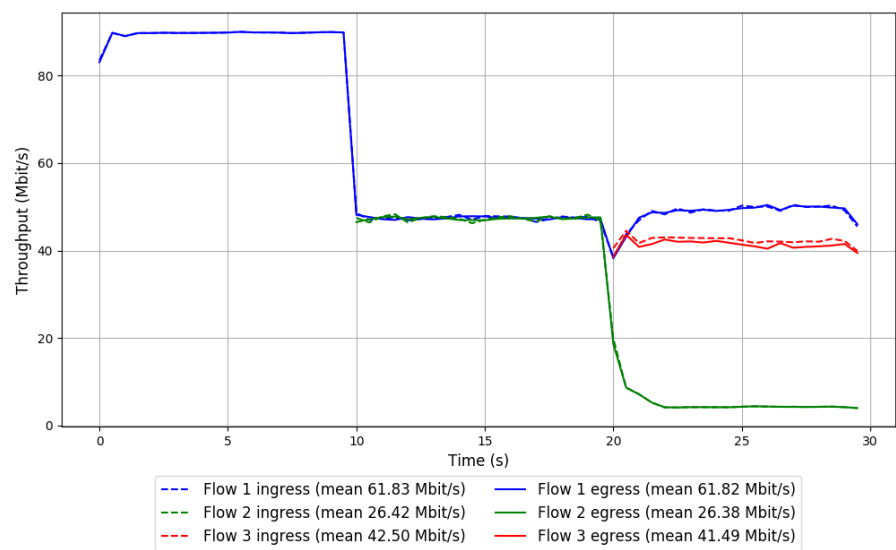


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 18:20:20  
End at: 2018-03-27 18:20:50  
Local clock offset: -6.171 ms  
Remote clock offset: -6.758 ms

# Below is generated by plot.py at 2018-03-27 21:44:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.17 Mbit/s  
95th percentile per-packet one-way delay: 10.739 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 61.82 Mbit/s  
95th percentile per-packet one-way delay: 9.960 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 26.38 Mbit/s  
95th percentile per-packet one-way delay: 11.845 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 41.49 Mbit/s  
95th percentile per-packet one-way delay: 9.156 ms  
Loss rate: 2.38%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 18:40:52

End at: 2018-03-27 18:41:22

Local clock offset: -5.922 ms

Remote clock offset: -6.73 ms

# Below is generated by plot.py at 2018-03-27 21:44:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 10.479 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 10.177 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.20 Mbit/s

95th percentile per-packet one-way delay: 11.553 ms

Loss rate: 0.01%

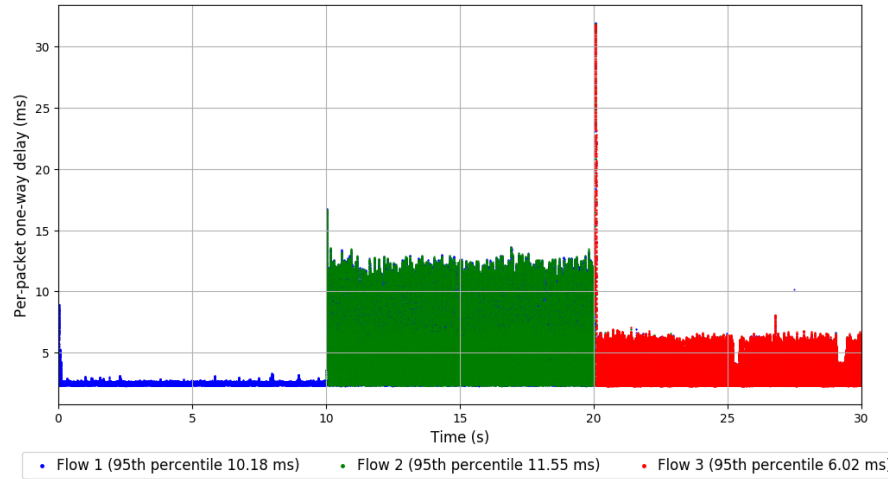
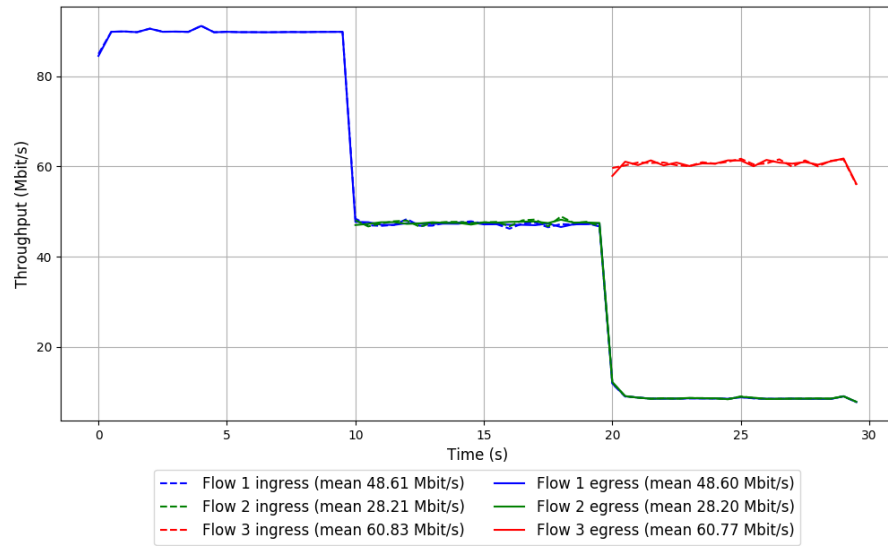
-- Flow 3:

Average throughput: 60.77 Mbit/s

95th percentile per-packet one-way delay: 6.022 ms

Loss rate: 0.06%

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

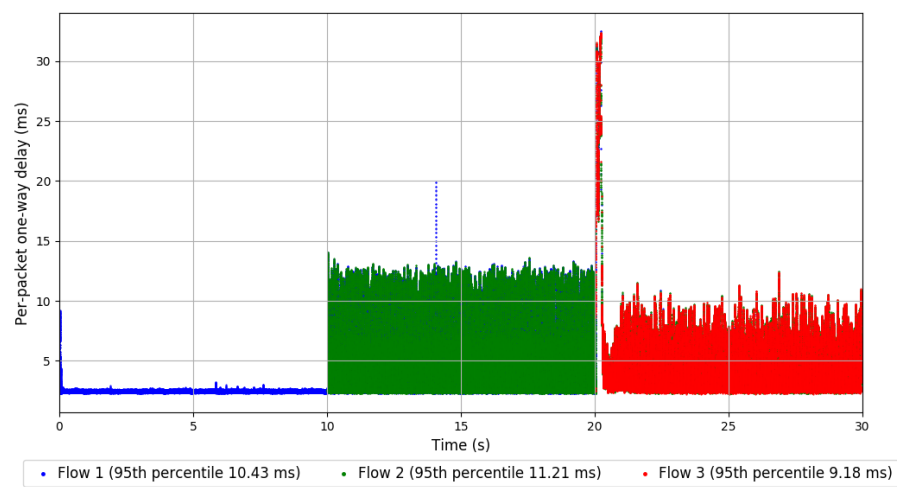
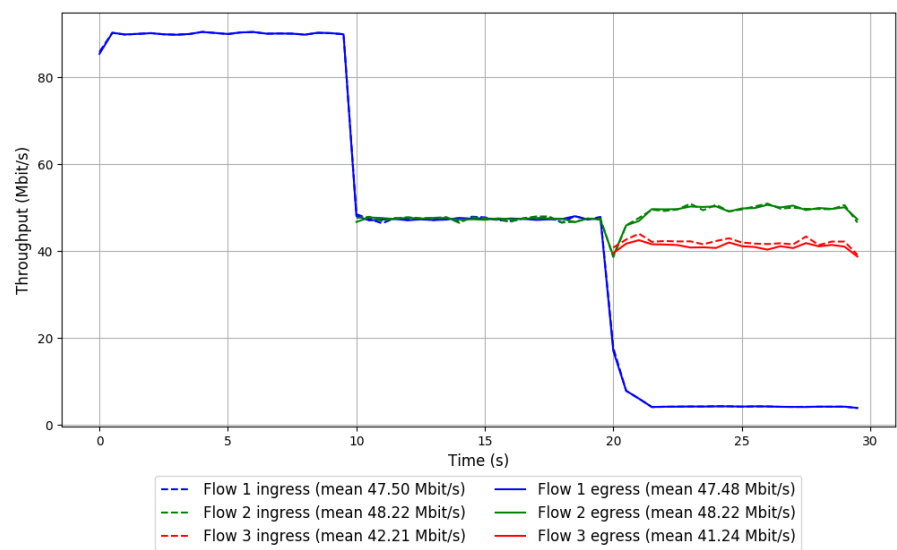


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 19:01:22  
End at: 2018-03-27 19:01:52  
Local clock offset: -5.914 ms  
Remote clock offset: -6.624 ms

# Below is generated by plot.py at 2018-03-27 21:44:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.28 Mbit/s  
95th percentile per-packet one-way delay: 10.652 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 47.48 Mbit/s  
95th percentile per-packet one-way delay: 10.427 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 48.22 Mbit/s  
95th percentile per-packet one-way delay: 11.206 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 41.24 Mbit/s  
95th percentile per-packet one-way delay: 9.182 ms  
Loss rate: 2.28%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 19:21:53

End at: 2018-03-27 19:22:23

Local clock offset: -6.137 ms

Remote clock offset: -6.49 ms

# Below is generated by plot.py at 2018-03-27 21:45:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 46.924 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 42.27 Mbit/s

95th percentile per-packet one-way delay: 48.003 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 51.17 Mbit/s

95th percentile per-packet one-way delay: 7.381 ms

Loss rate: 0.04%

-- Flow 3:

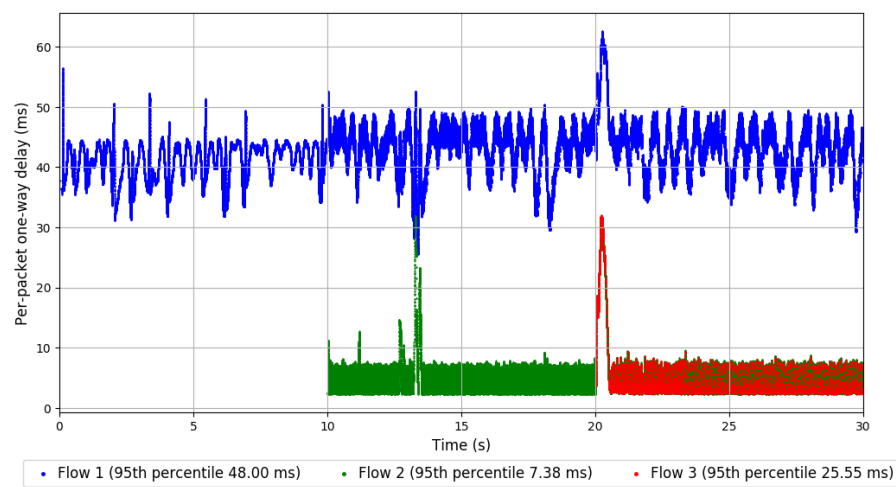
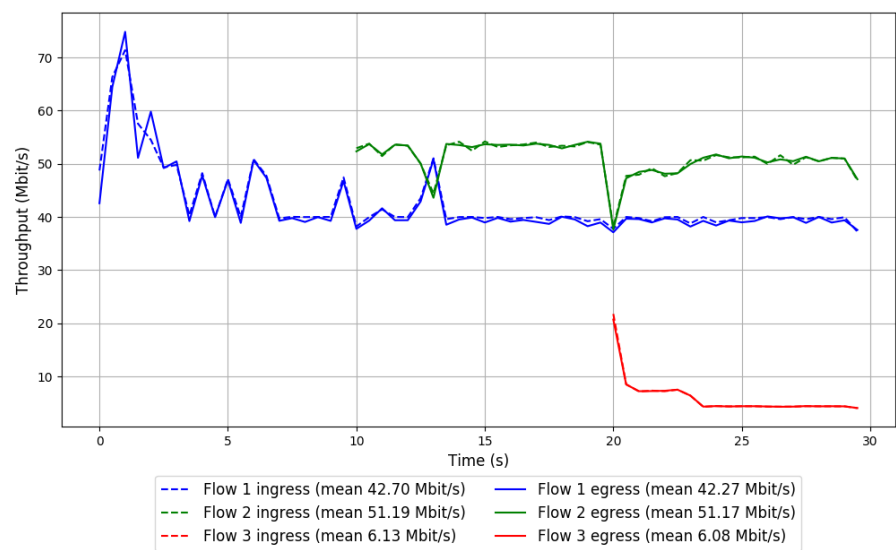
Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 25.549 ms

Loss rate: 0.80%



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

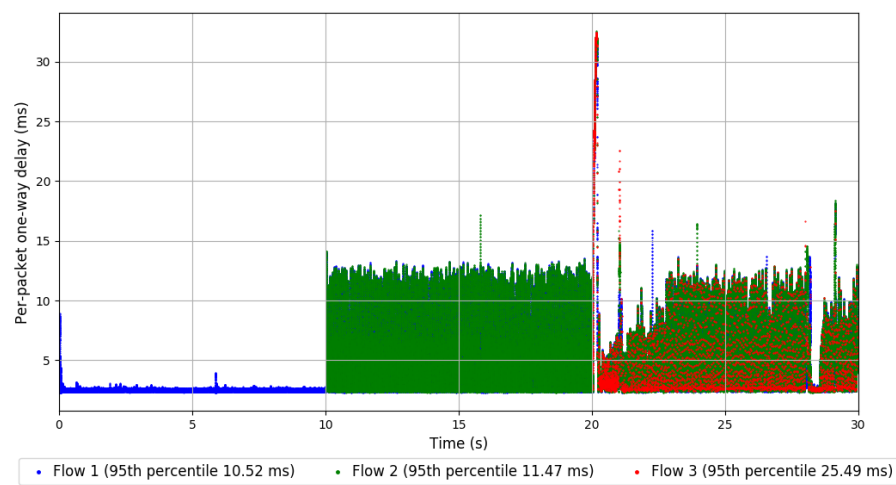
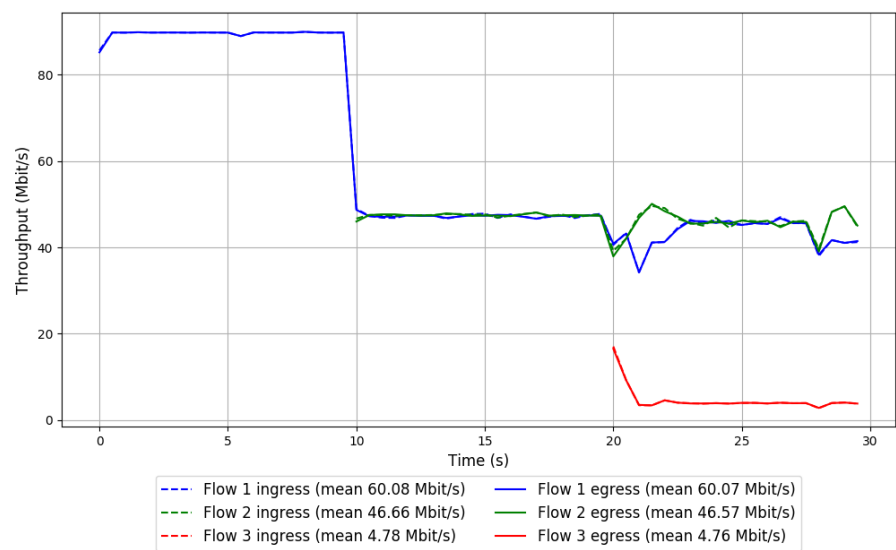


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 19:42:24  
End at: 2018-03-27 19:42:54  
Local clock offset: -6.145 ms  
Remote clock offset: -6.468 ms

# Below is generated by plot.py at 2018-03-27 21:45:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.67 Mbit/s  
95th percentile per-packet one-way delay: 11.036 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 60.07 Mbit/s  
95th percentile per-packet one-way delay: 10.521 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 46.57 Mbit/s  
95th percentile per-packet one-way delay: 11.473 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 4.76 Mbit/s  
95th percentile per-packet one-way delay: 25.489 ms  
Loss rate: 0.46%

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

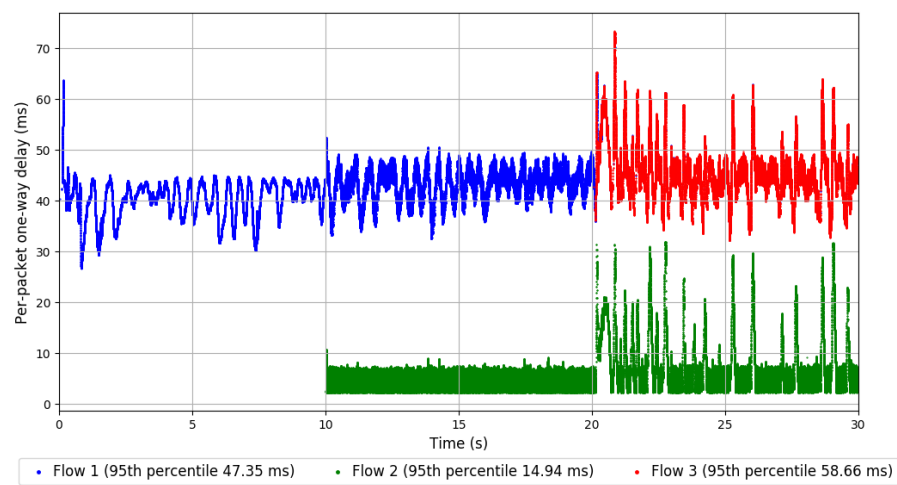
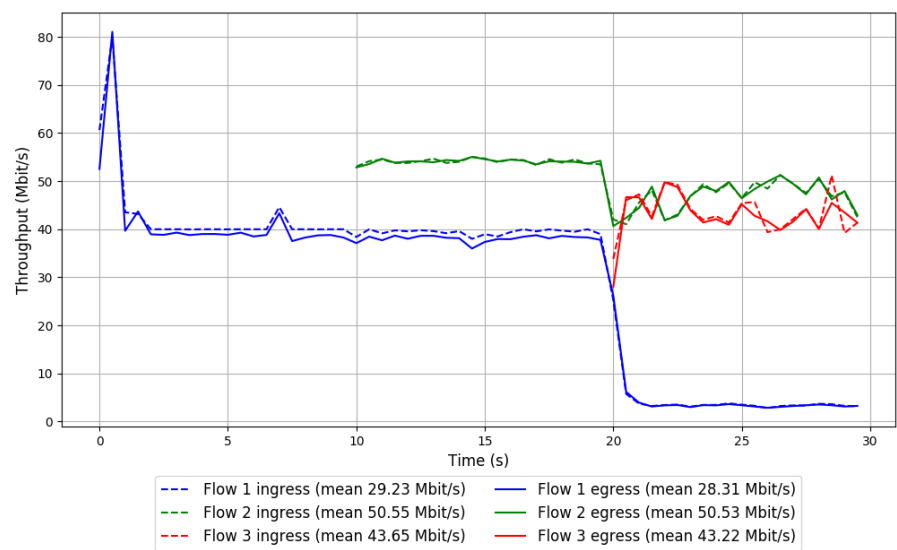


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 20:02:54  
End at: 2018-03-27 20:03:24  
Local clock offset: -5.983 ms  
Remote clock offset: -5.277 ms

# Below is generated by plot.py at 2018-03-27 21:45:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.30 Mbit/s  
95th percentile per-packet one-way delay: 48.406 ms  
Loss rate: 1.51%  
-- Flow 1:  
Average throughput: 28.31 Mbit/s  
95th percentile per-packet one-way delay: 47.350 ms  
Loss rate: 3.26%  
-- Flow 2:  
Average throughput: 50.53 Mbit/s  
95th percentile per-packet one-way delay: 14.938 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 43.22 Mbit/s  
95th percentile per-packet one-way delay: 58.663 ms  
Loss rate: 1.38%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 20:23:25

End at: 2018-03-27 20:23:55

Local clock offset: -6.404 ms

Remote clock offset: -4.65 ms

# Below is generated by plot.py at 2018-03-27 21:45:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 10.760 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 48.73 Mbit/s

95th percentile per-packet one-way delay: 10.456 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 53.85 Mbit/s

95th percentile per-packet one-way delay: 11.031 ms

Loss rate: 0.02%

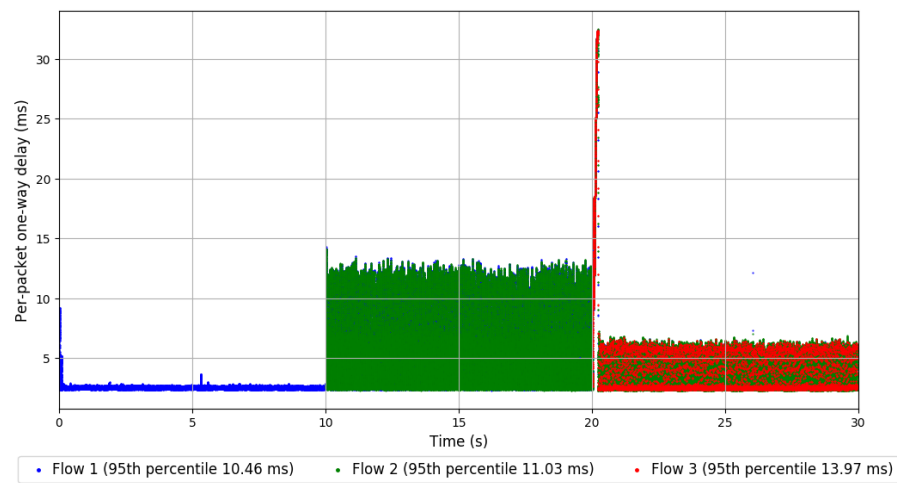
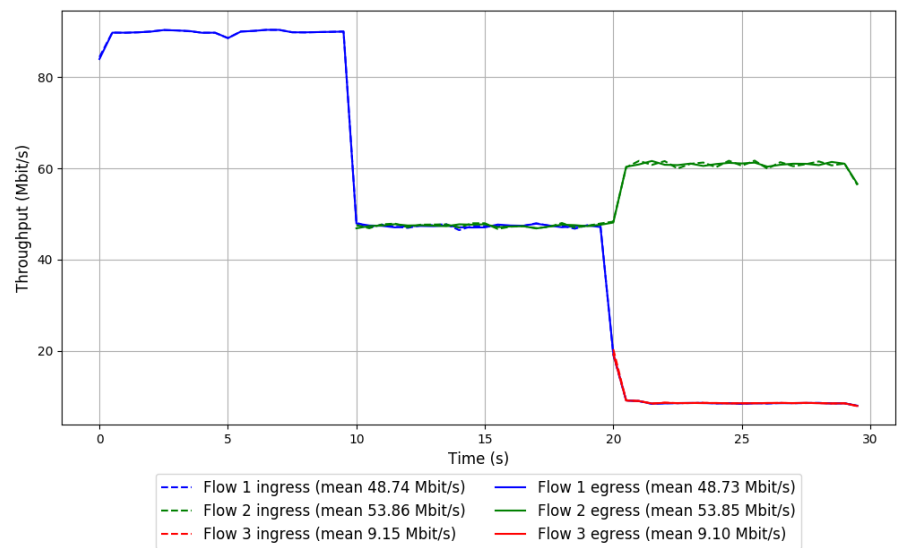
-- Flow 3:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 13.968 ms

Loss rate: 0.55%

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



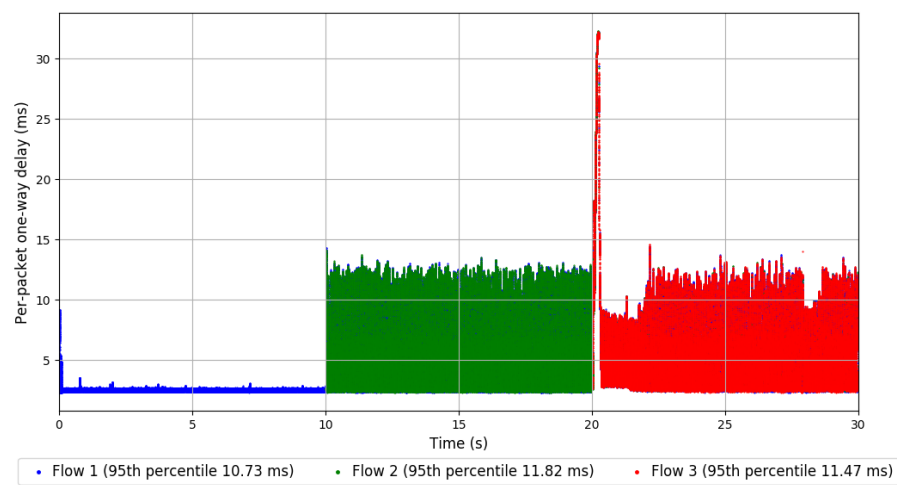
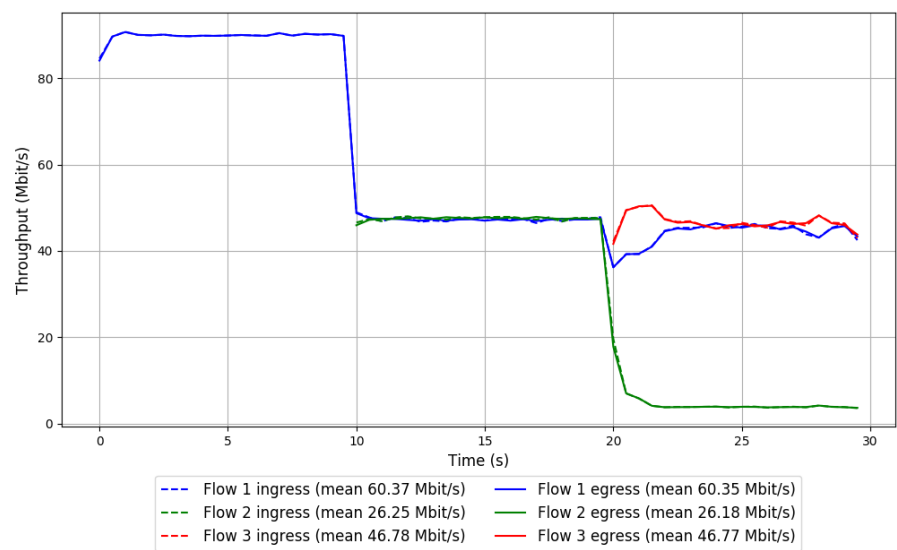
Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 20:43:58  
End at: 2018-03-27 20:44:28  
Local clock offset: -6.496 ms  
Remote clock offset: -4.046 ms

# Below is generated by plot.py at 2018-03-27 21:47:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.31 Mbit/s  
95th percentile per-packet one-way delay: 11.210 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 60.35 Mbit/s  
95th percentile per-packet one-way delay: 10.733 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 26.18 Mbit/s  
95th percentile per-packet one-way delay: 11.821 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 46.77 Mbit/s  
95th percentile per-packet one-way delay: 11.473 ms  
Loss rate: 0.02%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 21:04:30

End at: 2018-03-27 21:05:00

Local clock offset: -6.558 ms

Remote clock offset: 1.577 ms

# Below is generated by plot.py at 2018-03-27 21:47:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 10.987 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 46.94 Mbit/s

95th percentile per-packet one-way delay: 10.315 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 45.77 Mbit/s

95th percentile per-packet one-way delay: 11.339 ms

Loss rate: 0.03%

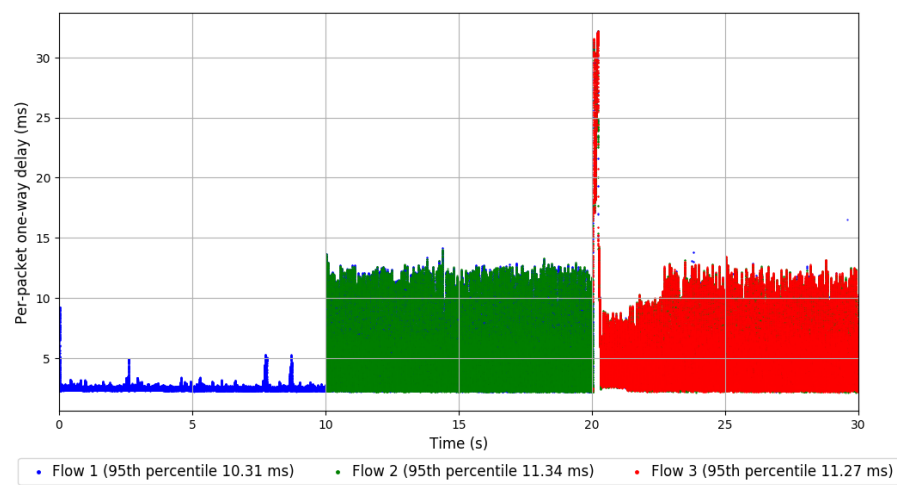
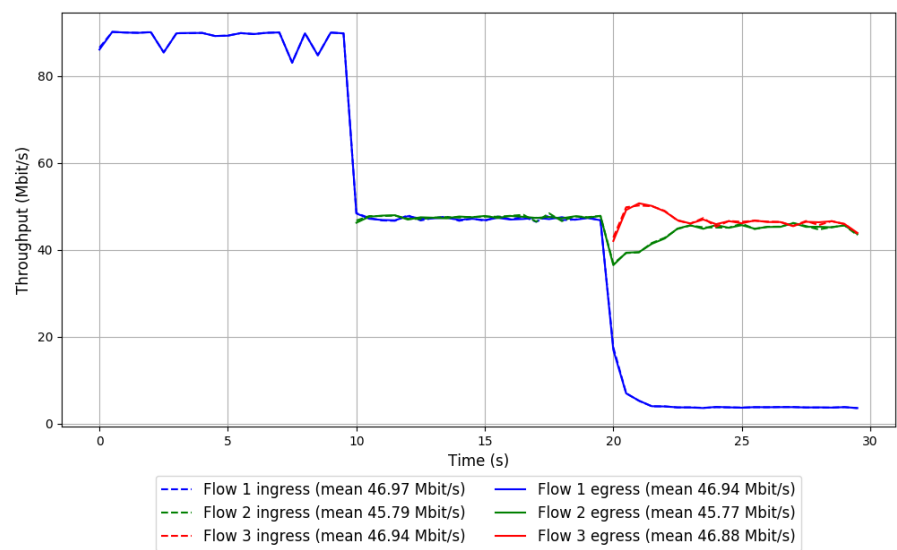
-- Flow 3:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 11.274 ms

Loss rate: 0.06%

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

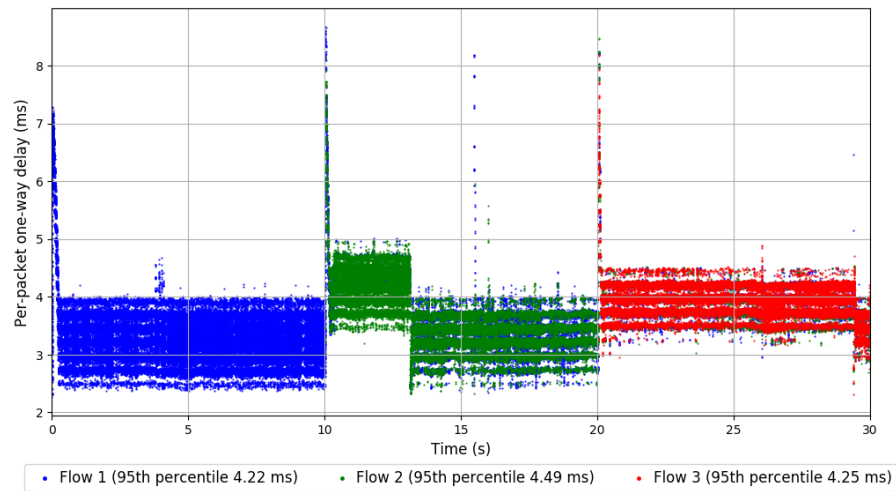
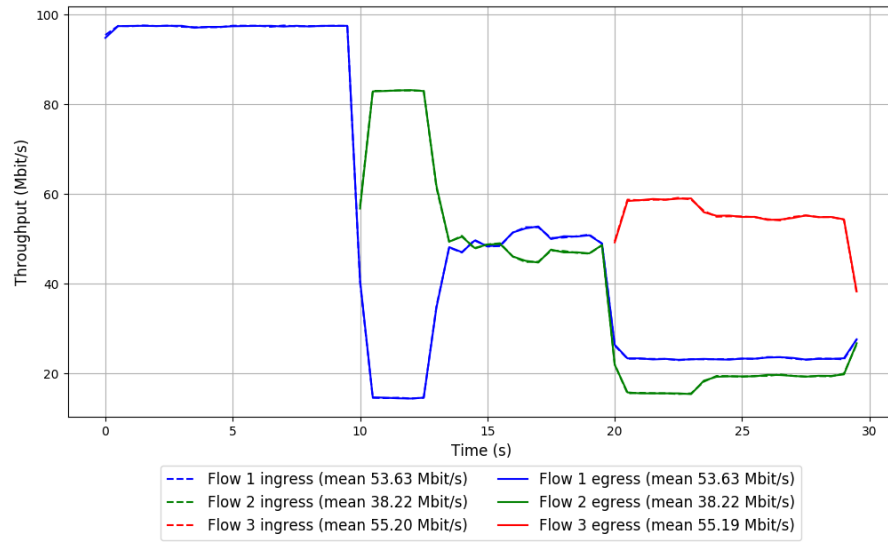


Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 17:42:43  
End at: 2018-03-27 17:43:13  
Local clock offset: -5.875 ms  
Remote clock offset: -6.602 ms

# Below is generated by plot.py at 2018-03-27 21:47:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 4.364 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.63 Mbit/s  
95th percentile per-packet one-way delay: 4.222 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.22 Mbit/s  
95th percentile per-packet one-way delay: 4.486 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 55.19 Mbit/s  
95th percentile per-packet one-way delay: 4.246 ms  
Loss rate: 0.00%

# Run 1: Report of TCP Vegas — Data Link

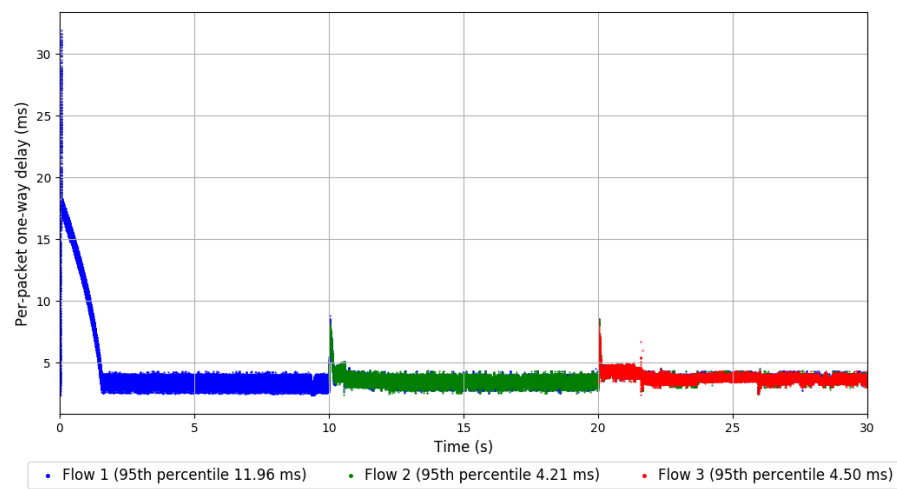
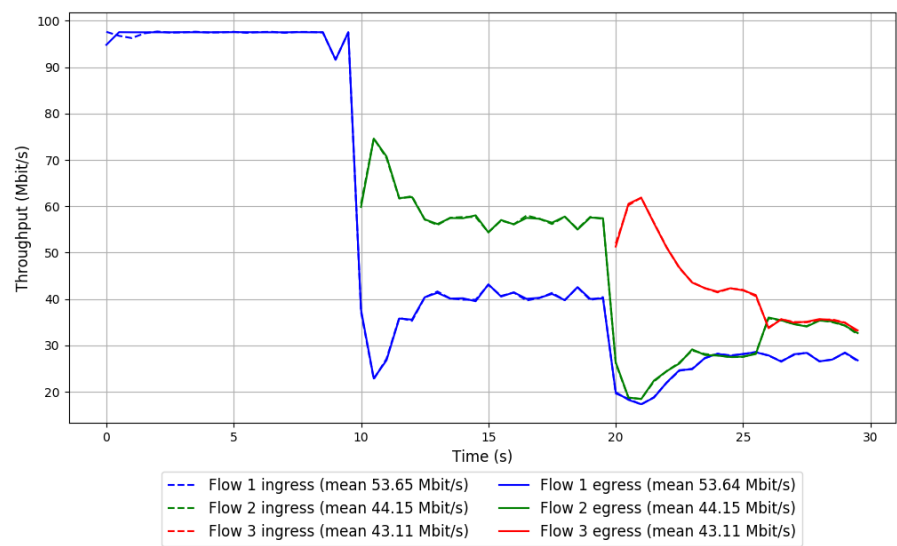


Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 18:03:15  
End at: 2018-03-27 18:03:45  
Local clock offset: -6.169 ms  
Remote clock offset: -6.716 ms

# Below is generated by plot.py at 2018-03-27 21:47:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.38 Mbit/s  
95th percentile per-packet one-way delay: 5.988 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.64 Mbit/s  
95th percentile per-packet one-way delay: 11.955 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.15 Mbit/s  
95th percentile per-packet one-way delay: 4.208 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 43.11 Mbit/s  
95th percentile per-packet one-way delay: 4.495 ms  
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



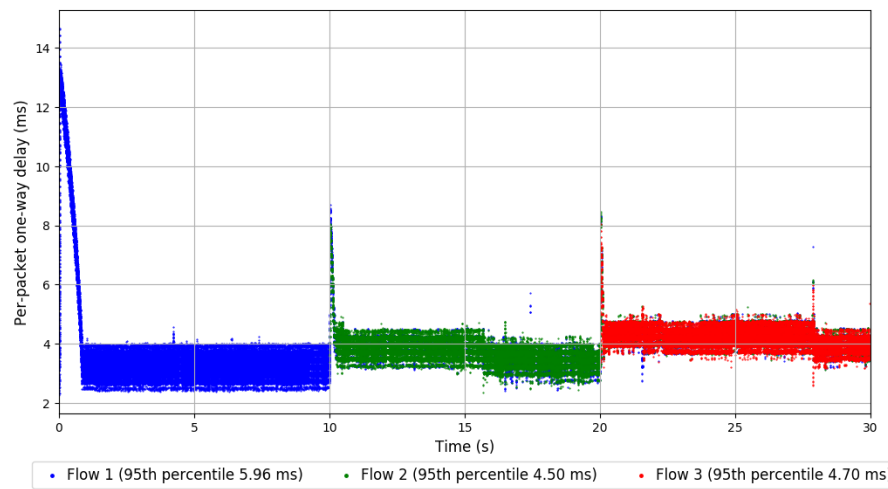
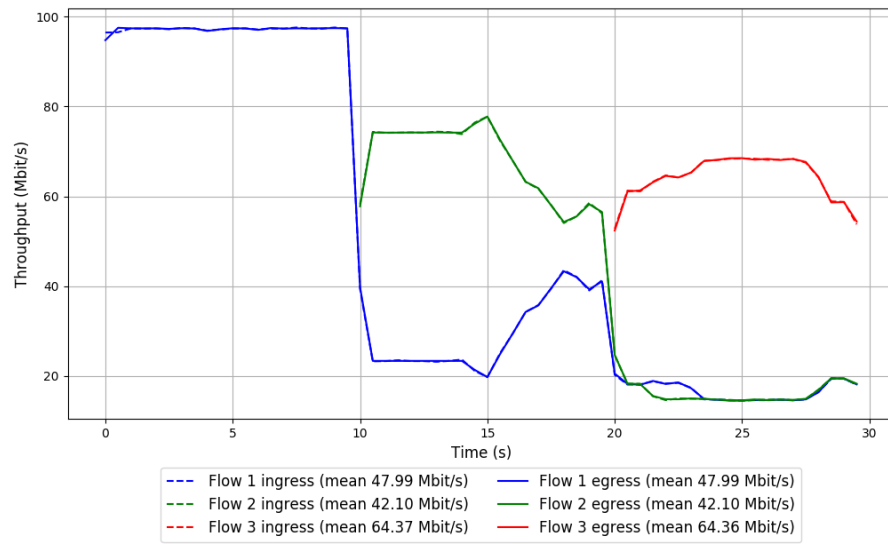
Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 18:23:47  
End at: 2018-03-27 18:24:17  
Local clock offset: -6.193 ms  
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-03-27 21:47:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 4.709 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.99 Mbit/s  
95th percentile per-packet one-way delay: 5.962 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.10 Mbit/s  
95th percentile per-packet one-way delay: 4.503 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 64.36 Mbit/s  
95th percentile per-packet one-way delay: 4.703 ms  
Loss rate: 0.00%



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

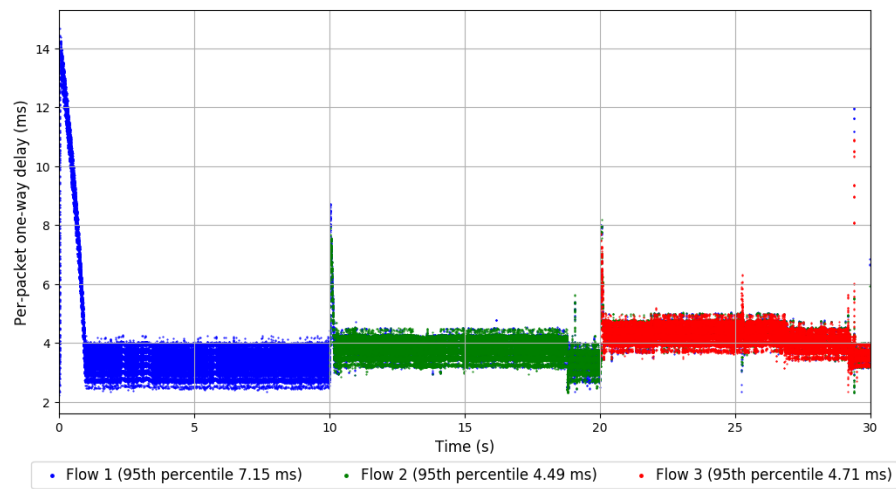
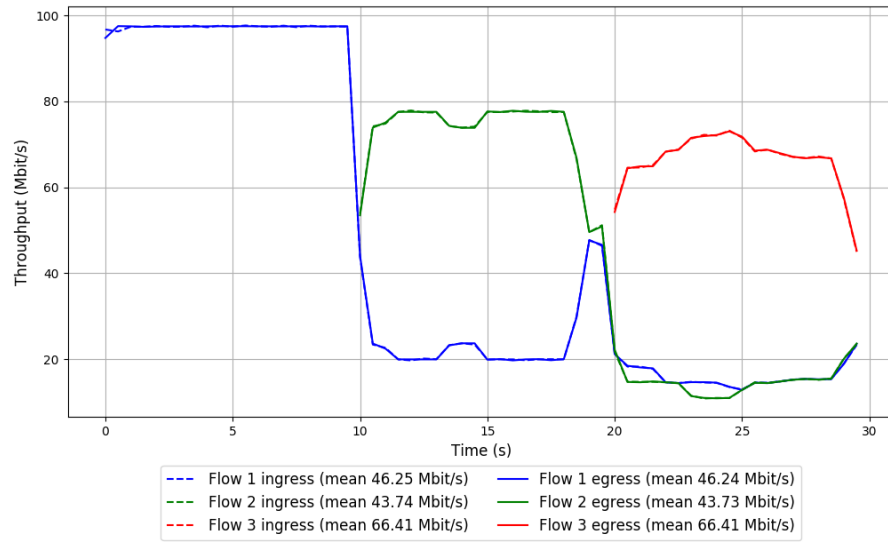


Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 18:44:20  
End at: 2018-03-27 18:44:50  
Local clock offset: -5.923 ms  
Remote clock offset: -6.719 ms

# Below is generated by plot.py at 2018-03-27 21:47:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 4.730 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.24 Mbit/s  
95th percentile per-packet one-way delay: 7.152 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 43.73 Mbit/s  
95th percentile per-packet one-way delay: 4.487 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 66.41 Mbit/s  
95th percentile per-packet one-way delay: 4.713 ms  
Loss rate: 0.00%

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

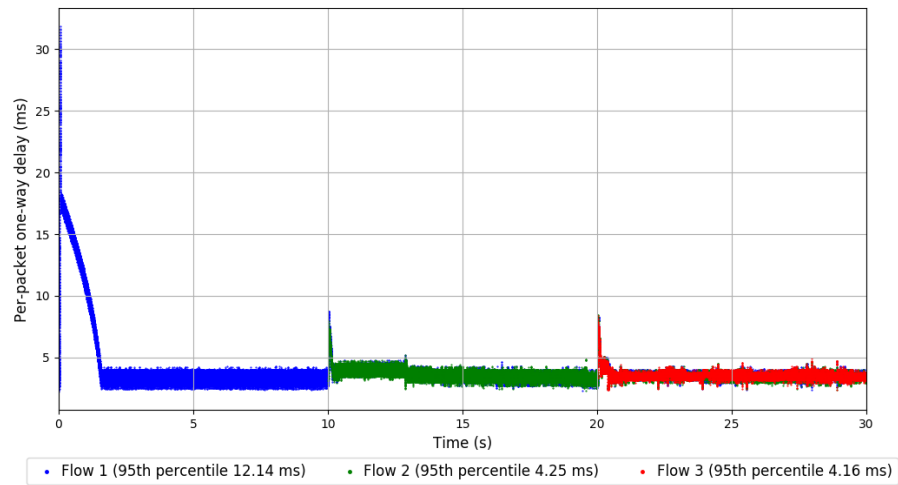
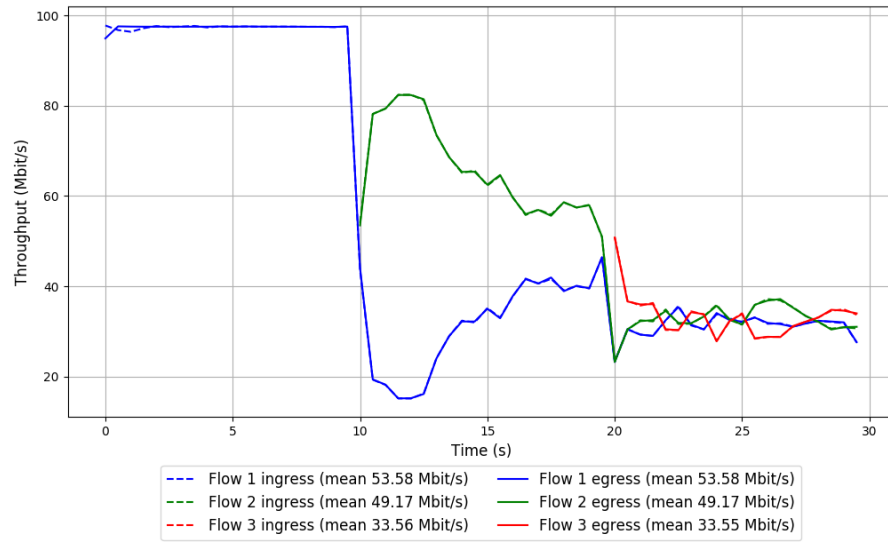


Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 19:04:50  
End at: 2018-03-27 19:05:20  
Local clock offset: -6.047 ms  
Remote clock offset: -6.677 ms

# Below is generated by plot.py at 2018-03-27 21:47:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 5.980 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.58 Mbit/s  
95th percentile per-packet one-way delay: 12.137 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 49.17 Mbit/s  
95th percentile per-packet one-way delay: 4.252 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 33.55 Mbit/s  
95th percentile per-packet one-way delay: 4.161 ms  
Loss rate: 0.01%

# Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 19:25:19

End at: 2018-03-27 19:25:49

Local clock offset: -6.217 ms

Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-03-27 21:47:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 6.826 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.70 Mbit/s

95th percentile per-packet one-way delay: 13.780 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.46 Mbit/s

95th percentile per-packet one-way delay: 4.941 ms

Loss rate: 0.00%

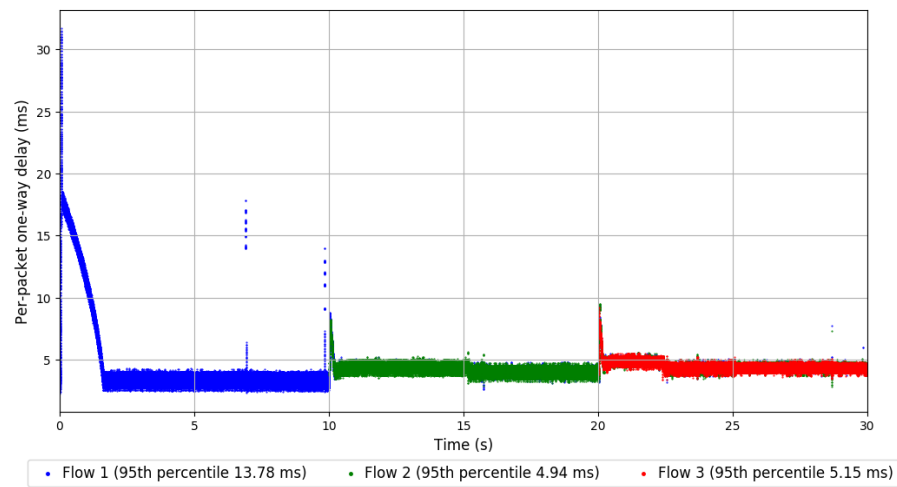
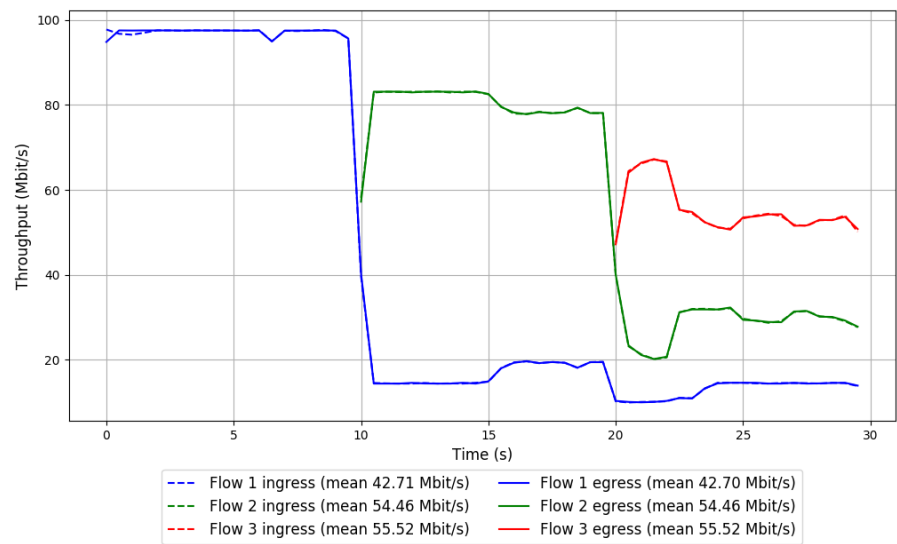
-- Flow 3:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 5.148 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



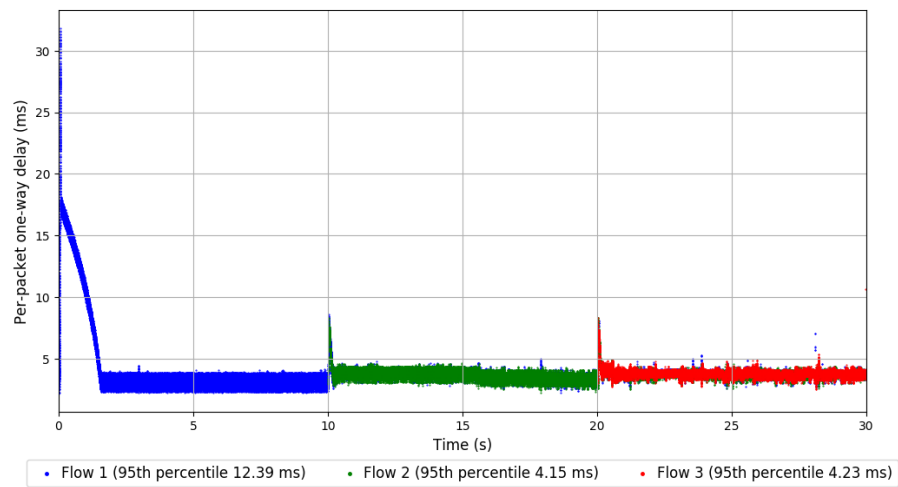
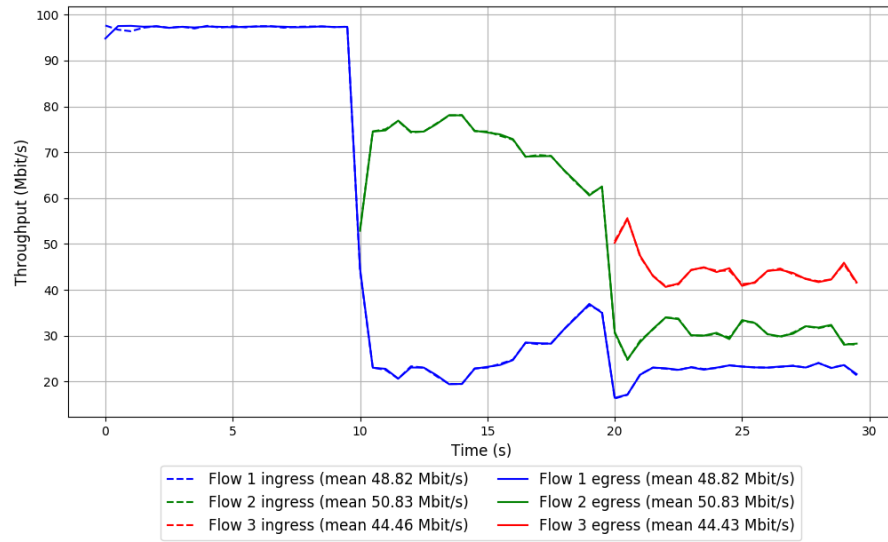
Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 19:45:51  
End at: 2018-03-27 19:46:21  
Local clock offset: -6.039 ms  
Remote clock offset: -6.258 ms

# Below is generated by plot.py at 2018-03-27 21:47:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 5.814 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 48.82 Mbit/s  
95th percentile per-packet one-way delay: 12.392 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.83 Mbit/s  
95th percentile per-packet one-way delay: 4.150 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 44.43 Mbit/s  
95th percentile per-packet one-way delay: 4.230 ms  
Loss rate: 0.00%



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

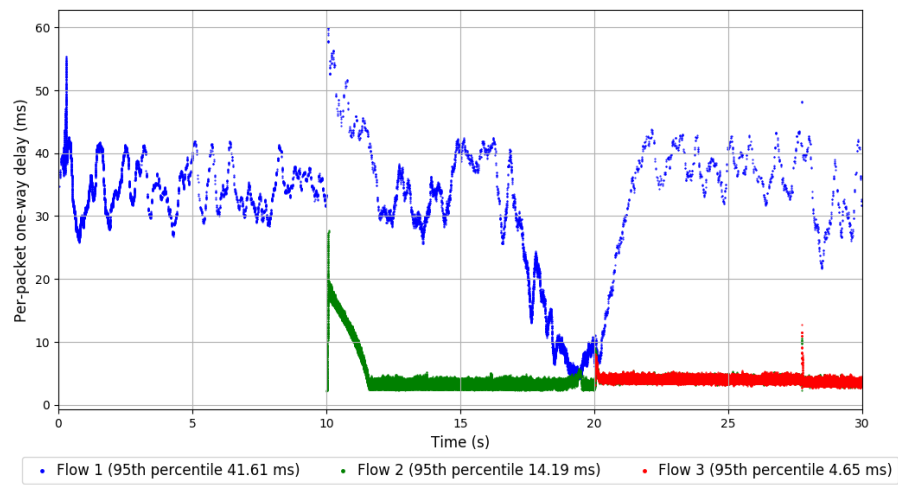
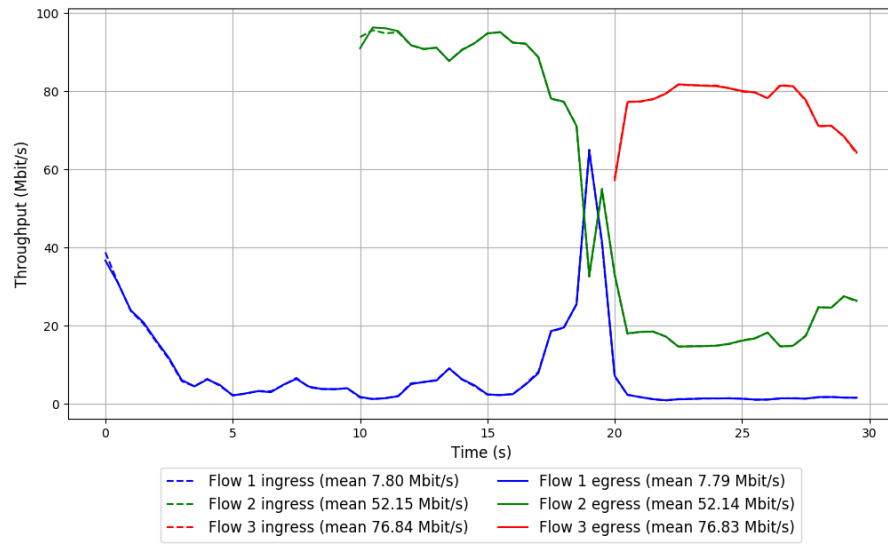


Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 20:06:21  
End at: 2018-03-27 20:06:51  
Local clock offset: -6.001 ms  
Remote clock offset: -5.124 ms

# Below is generated by plot.py at 2018-03-27 21:47:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.09 Mbit/s  
95th percentile per-packet one-way delay: 31.067 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 7.79 Mbit/s  
95th percentile per-packet one-way delay: 41.614 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 52.14 Mbit/s  
95th percentile per-packet one-way delay: 14.194 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 76.83 Mbit/s  
95th percentile per-packet one-way delay: 4.649 ms  
Loss rate: 0.00%

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 20:26:53

End at: 2018-03-27 20:27:23

Local clock offset: -6.392 ms

Remote clock offset: -4.63 ms

# Below is generated by plot.py at 2018-03-27 21:47:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 5.109 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 5.122 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.03 Mbit/s

95th percentile per-packet one-way delay: 4.365 ms

Loss rate: 0.00%

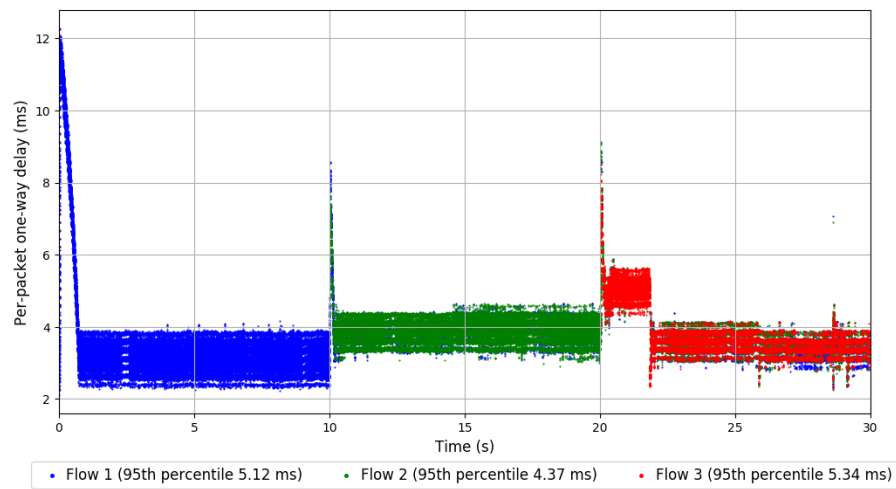
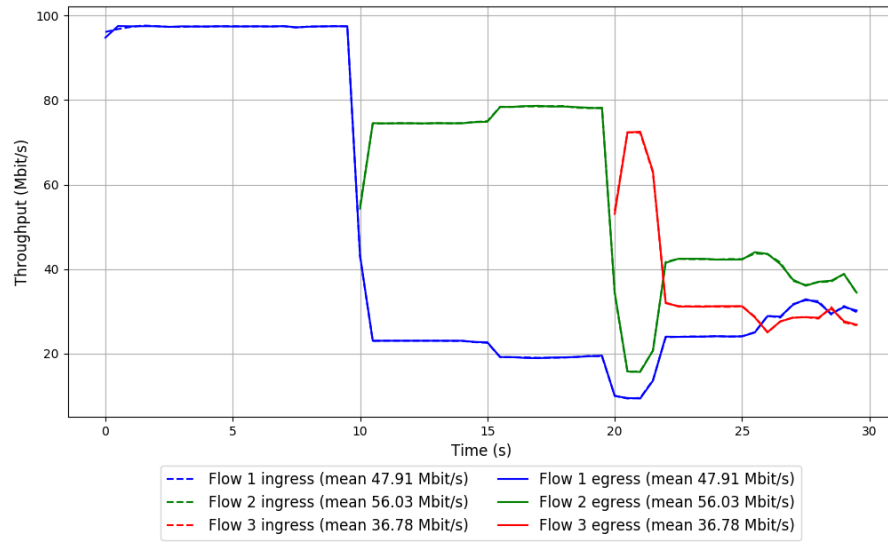
-- Flow 3:

Average throughput: 36.78 Mbit/s

95th percentile per-packet one-way delay: 5.342 ms

Loss rate: 0.01%

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

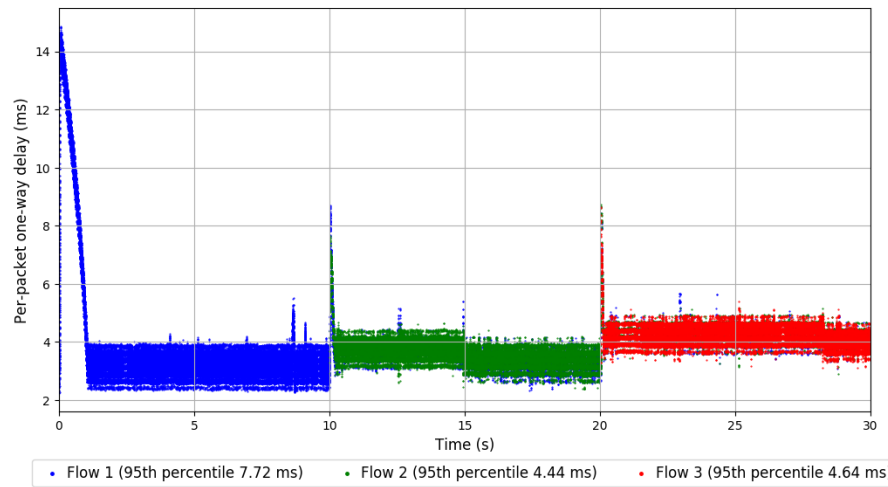
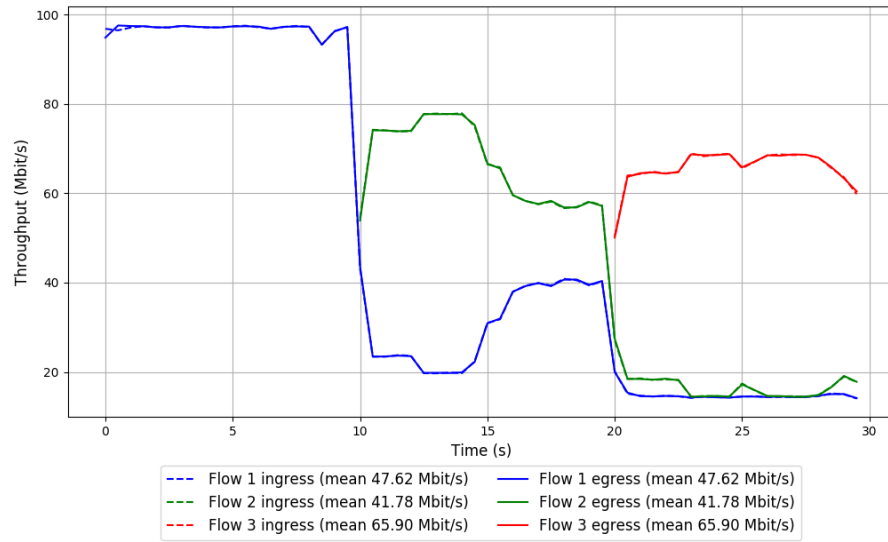


Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 20:47:25  
End at: 2018-03-27 20:47:55  
Local clock offset: -6.512 ms  
Remote clock offset: -4.019 ms

# Below is generated by plot.py at 2018-03-27 21:48:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 4.662 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.62 Mbit/s  
95th percentile per-packet one-way delay: 7.719 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.78 Mbit/s  
95th percentile per-packet one-way delay: 4.443 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 65.90 Mbit/s  
95th percentile per-packet one-way delay: 4.641 ms  
Loss rate: 0.00%

# Run 10: Report of TCP Vegas — Data Link



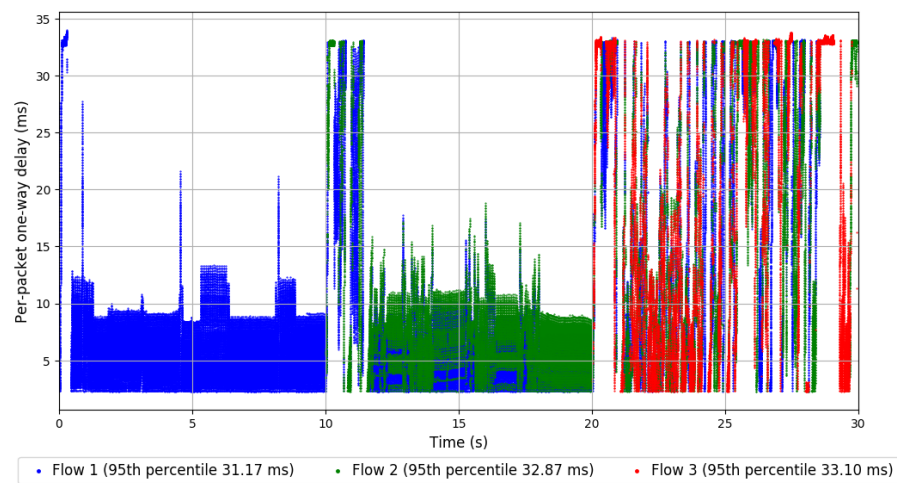
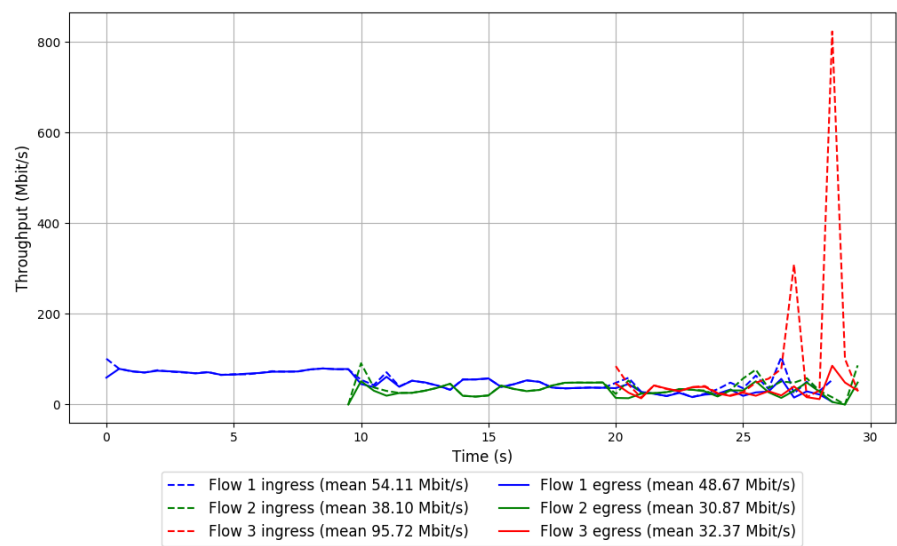
Run 1: Statistics of Verus

Start at: 2018-03-27 17:52:58  
End at: 2018-03-27 17:53:28  
Local clock offset: -6.027 ms  
Remote clock offset: -6.741 ms

# Below is generated by plot.py at 2018-03-27 21:48:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.37 Mbit/s  
95th percentile per-packet one-way delay: 32.884 ms  
Loss rate: 28.34%  
-- Flow 1:  
Average throughput: 48.67 Mbit/s  
95th percentile per-packet one-way delay: 31.166 ms  
Loss rate: 10.00%  
-- Flow 2:  
Average throughput: 30.87 Mbit/s  
95th percentile per-packet one-way delay: 32.867 ms  
Loss rate: 18.86%  
-- Flow 3:  
Average throughput: 32.37 Mbit/s  
95th percentile per-packet one-way delay: 33.104 ms  
Loss rate: 66.16%



Run 1: Report of Verus — Data Link

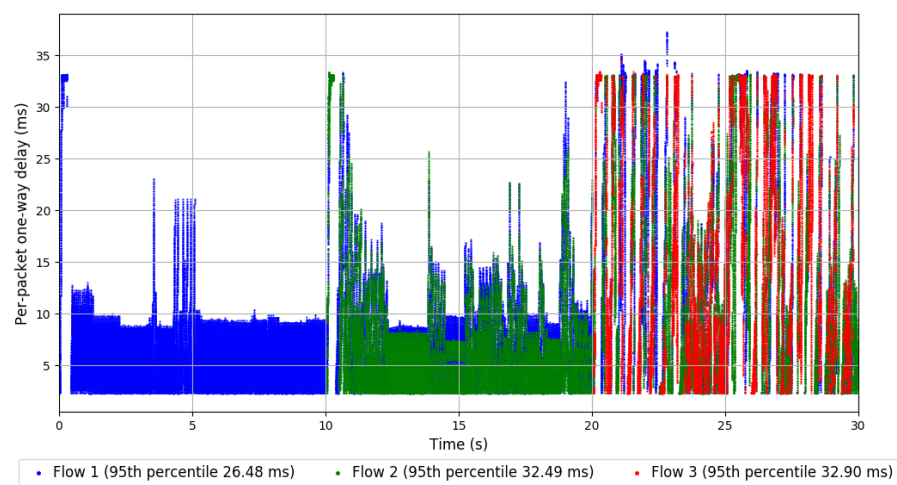
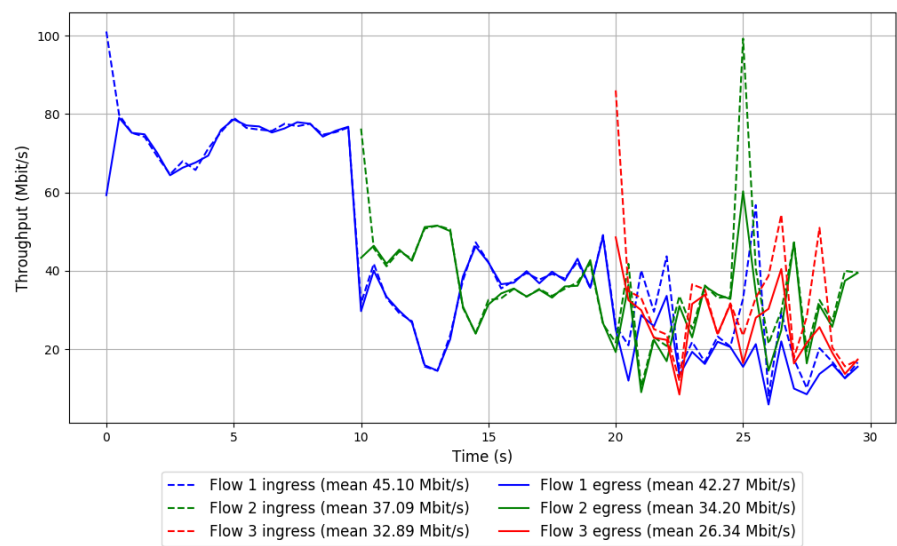


Run 2: Statistics of Verus

Start at: 2018-03-27 18:13:30  
End at: 2018-03-27 18:14:00  
Local clock offset: -6.222 ms  
Remote clock offset: -6.808 ms

# Below is generated by plot.py at 2018-03-27 21:48:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.39 Mbit/s  
95th percentile per-packet one-way delay: 31.568 ms  
Loss rate: 8.50%  
-- Flow 1:  
Average throughput: 42.27 Mbit/s  
95th percentile per-packet one-way delay: 26.477 ms  
Loss rate: 6.18%  
-- Flow 2:  
Average throughput: 34.20 Mbit/s  
95th percentile per-packet one-way delay: 32.492 ms  
Loss rate: 7.79%  
-- Flow 3:  
Average throughput: 26.34 Mbit/s  
95th percentile per-packet one-way delay: 32.898 ms  
Loss rate: 19.88%

Run 2: Report of Verus — Data Link

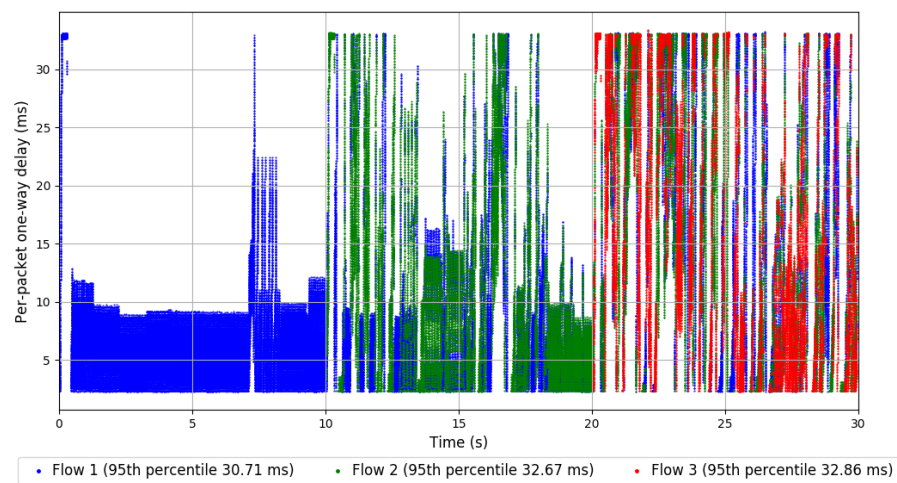
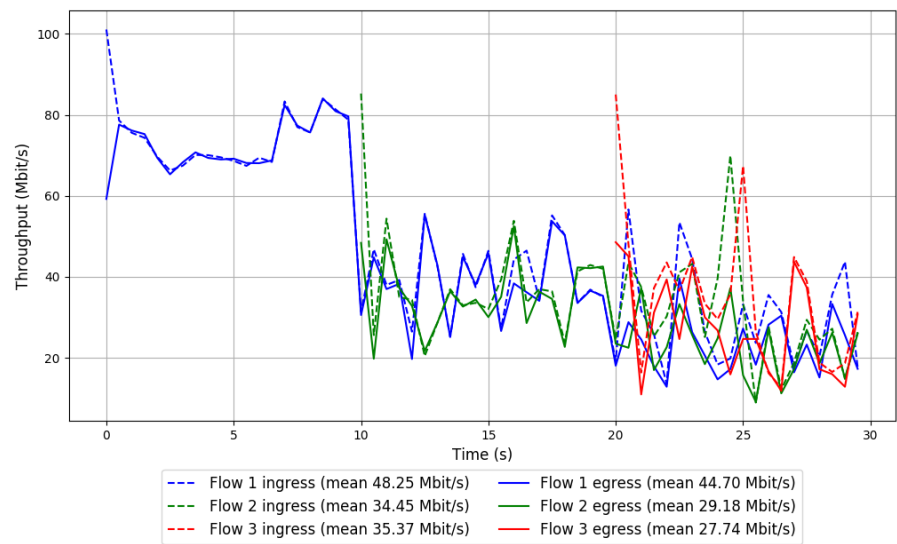


Run 3: Statistics of Verus

Start at: 2018-03-27 18:34:02  
End at: 2018-03-27 18:34:32  
Local clock offset: -5.989 ms  
Remote clock offset: -6.83 ms

# Below is generated by plot.py at 2018-03-27 21:48:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.31 Mbit/s  
95th percentile per-packet one-way delay: 32.119 ms  
Loss rate: 11.55%  
-- Flow 1:  
Average throughput: 44.70 Mbit/s  
95th percentile per-packet one-way delay: 30.714 ms  
Loss rate: 7.35%  
-- Flow 2:  
Average throughput: 29.18 Mbit/s  
95th percentile per-packet one-way delay: 32.673 ms  
Loss rate: 15.28%  
-- Flow 3:  
Average throughput: 27.74 Mbit/s  
95th percentile per-packet one-way delay: 32.862 ms  
Loss rate: 21.56%

Run 3: Report of Verus — Data Link

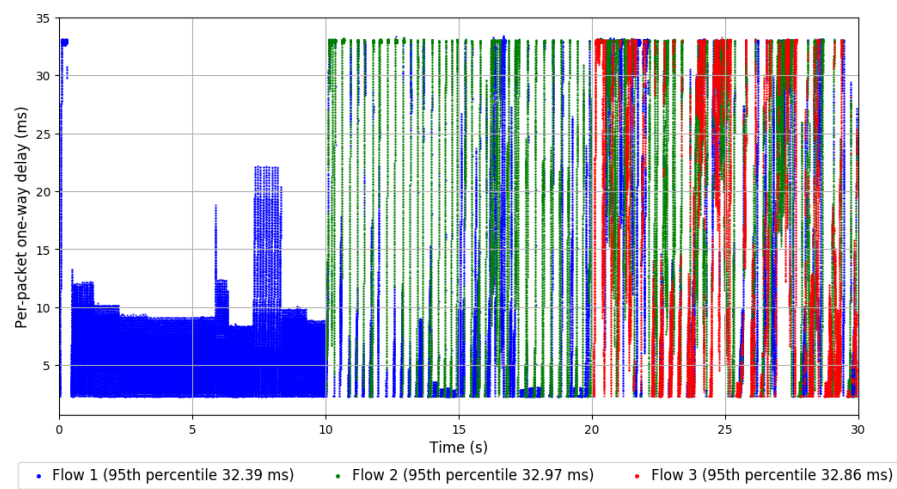
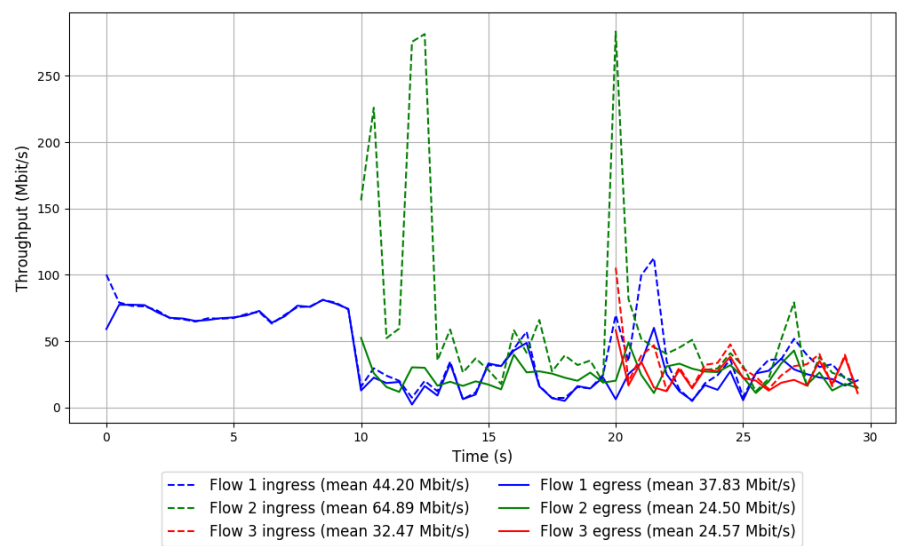


Run 4: Statistics of Verus

Start at: 2018-03-27 18:54:32  
End at: 2018-03-27 18:55:02  
Local clock offset: -5.878 ms  
Remote clock offset: -6.664 ms

# Below is generated by plot.py at 2018-03-27 21:48:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.25 Mbit/s  
95th percentile per-packet one-way delay: 32.874 ms  
Loss rate: 36.52%  
-- Flow 1:  
Average throughput: 37.83 Mbit/s  
95th percentile per-packet one-way delay: 32.391 ms  
Loss rate: 14.41%  
-- Flow 2:  
Average throughput: 24.50 Mbit/s  
95th percentile per-packet one-way delay: 32.969 ms  
Loss rate: 62.21%  
-- Flow 3:  
Average throughput: 24.57 Mbit/s  
95th percentile per-packet one-way delay: 32.857 ms  
Loss rate: 24.33%

Run 4: Report of Verus — Data Link



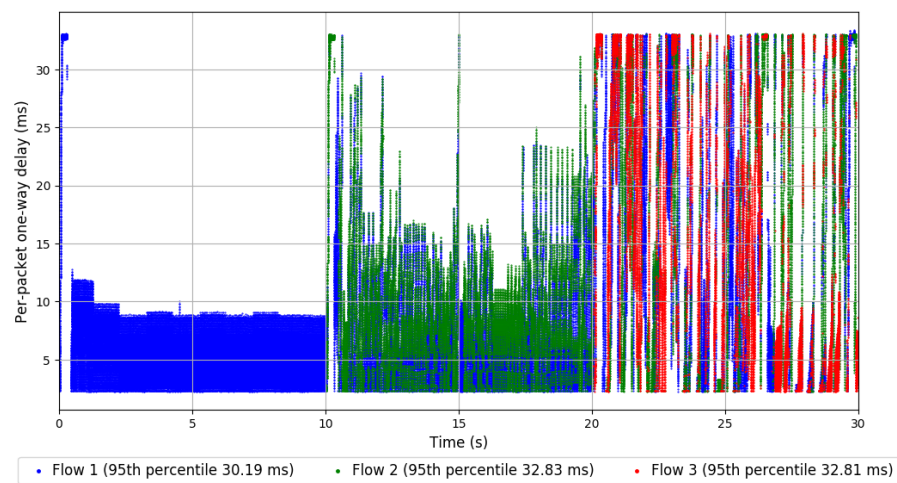
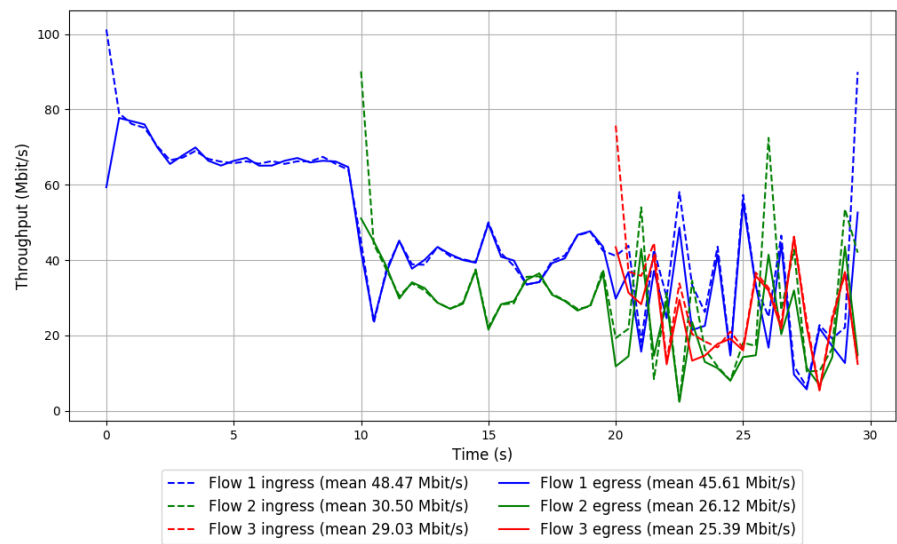
Run 5: Statistics of Verus

Start at: 2018-03-27 19:15:03  
End at: 2018-03-27 19:15:33  
Local clock offset: -6.082 ms  
Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2018-03-27 21:48:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.17 Mbit/s  
95th percentile per-packet one-way delay: 32.496 ms  
Loss rate: 8.83%  
-- Flow 1:  
Average throughput: 45.61 Mbit/s  
95th percentile per-packet one-way delay: 30.190 ms  
Loss rate: 5.81%  
-- Flow 2:  
Average throughput: 26.12 Mbit/s  
95th percentile per-packet one-way delay: 32.829 ms  
Loss rate: 14.27%  
-- Flow 3:  
Average throughput: 25.39 Mbit/s  
95th percentile per-packet one-way delay: 32.808 ms  
Loss rate: 12.51%



Run 5: Report of Verus — Data Link

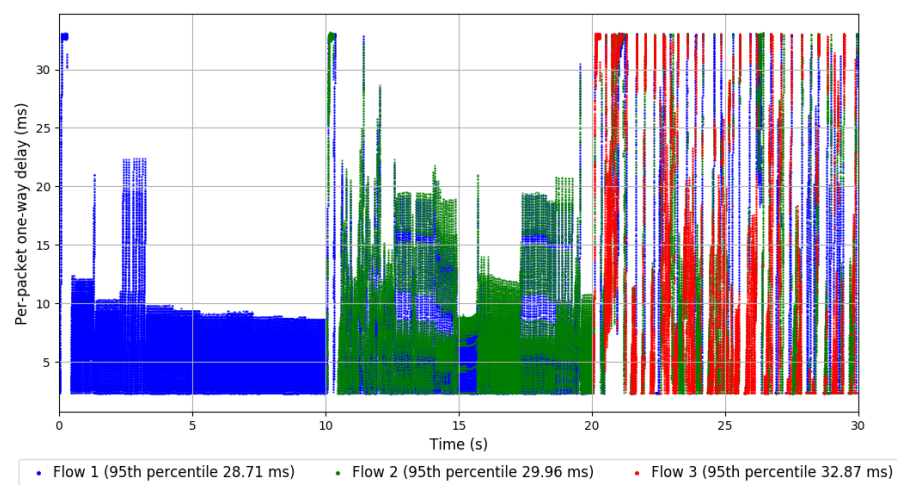
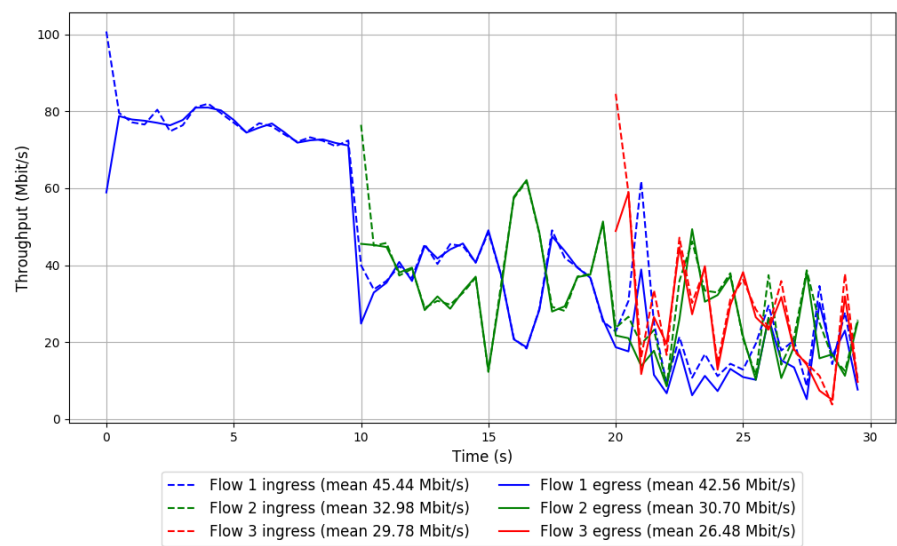


Run 6: Statistics of Verus

Start at: 2018-03-27 19:35:34  
End at: 2018-03-27 19:36:04  
Local clock offset: -6.195 ms  
Remote clock offset: -6.487 ms

# Below is generated by plot.py at 2018-03-27 21:48:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.72 Mbit/s  
95th percentile per-packet one-way delay: 31.157 ms  
Loss rate: 7.01%  
-- Flow 1:  
Average throughput: 42.56 Mbit/s  
95th percentile per-packet one-way delay: 28.706 ms  
Loss rate: 6.24%  
-- Flow 2:  
Average throughput: 30.70 Mbit/s  
95th percentile per-packet one-way delay: 29.965 ms  
Loss rate: 6.79%  
-- Flow 3:  
Average throughput: 26.48 Mbit/s  
95th percentile per-packet one-way delay: 32.867 ms  
Loss rate: 11.06%

Run 6: Report of Verus — Data Link

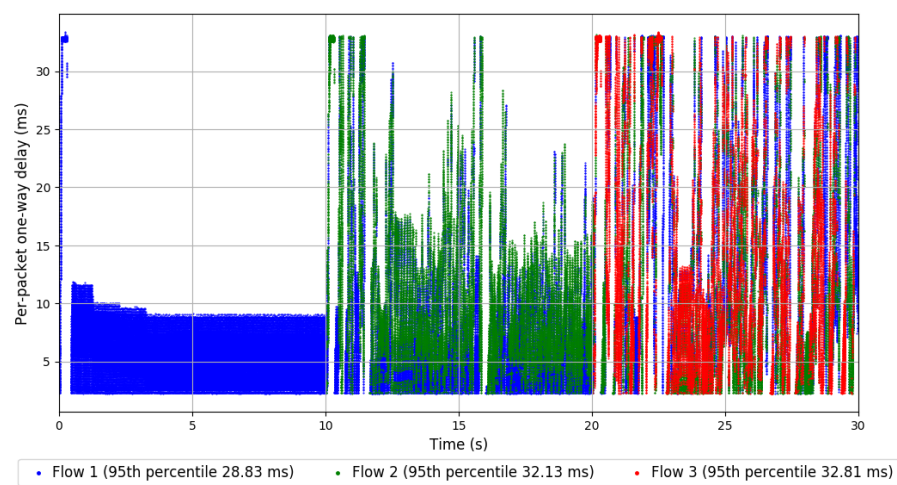
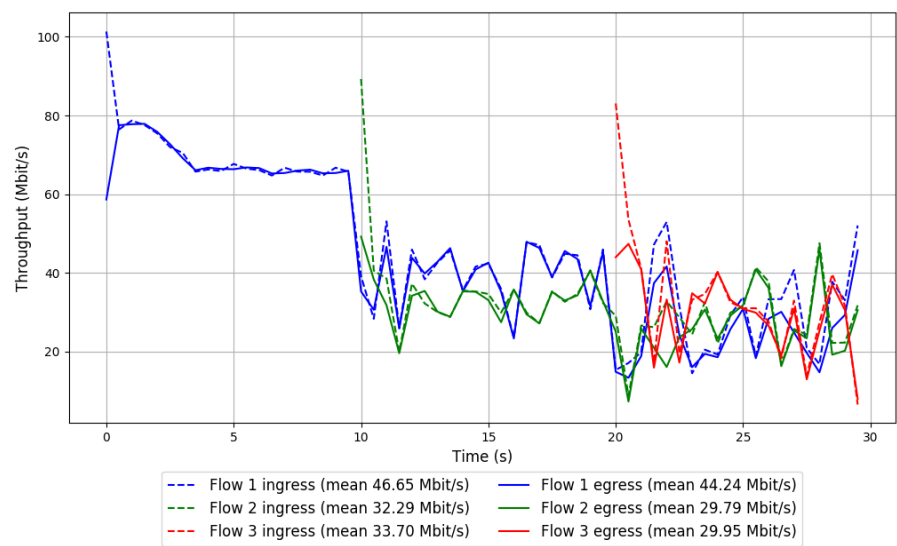


Run 7: Statistics of Verus

Start at: 2018-03-27 19:56:06  
End at: 2018-03-27 19:56:36  
Local clock offset: -6.039 ms  
Remote clock offset: -5.55 ms

# Below is generated by plot.py at 2018-03-27 21:49:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.80 Mbit/s  
95th percentile per-packet one-way delay: 31.251 ms  
Loss rate: 6.62%  
-- Flow 1:  
Average throughput: 44.24 Mbit/s  
95th percentile per-packet one-way delay: 28.827 ms  
Loss rate: 5.11%  
-- Flow 2:  
Average throughput: 29.79 Mbit/s  
95th percentile per-packet one-way delay: 32.132 ms  
Loss rate: 7.66%  
-- Flow 3:  
Average throughput: 29.95 Mbit/s  
95th percentile per-packet one-way delay: 32.815 ms  
Loss rate: 11.00%

Run 7: Report of Verus — Data Link

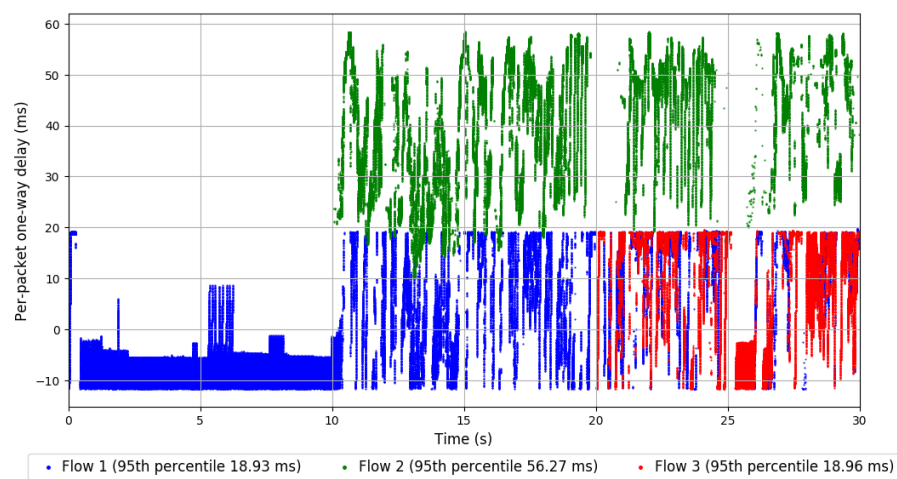
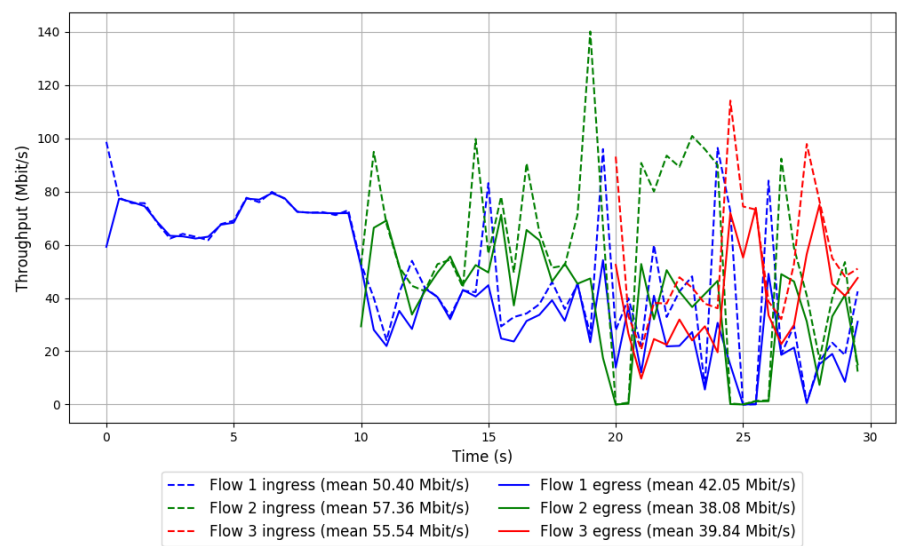


Run 8: Statistics of Verus

Start at: 2018-03-27 20:16:35  
End at: 2018-03-27 20:17:05  
Local clock offset: -6.305 ms  
Remote clock offset: -18.784 ms

# Below is generated by plot.py at 2018-03-27 21:49:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.59 Mbit/s  
95th percentile per-packet one-way delay: 52.900 ms  
Loss rate: 24.57%  
-- Flow 1:  
Average throughput: 42.05 Mbit/s  
95th percentile per-packet one-way delay: 18.925 ms  
Loss rate: 16.50%  
-- Flow 2:  
Average throughput: 38.08 Mbit/s  
95th percentile per-packet one-way delay: 56.269 ms  
Loss rate: 33.56%  
-- Flow 3:  
Average throughput: 39.84 Mbit/s  
95th percentile per-packet one-way delay: 18.963 ms  
Loss rate: 28.05%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-27 20:37:07

End at: 2018-03-27 20:37:37

Local clock offset: -6.479 ms

Remote clock offset: -4.28 ms

# Below is generated by plot.py at 2018-03-27 21:49:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 32.635 ms

Loss rate: 16.15%

-- Flow 1:

Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 30.330 ms

Loss rate: 13.72%

-- Flow 2:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 32.815 ms

Loss rate: 16.25%

-- Flow 3:

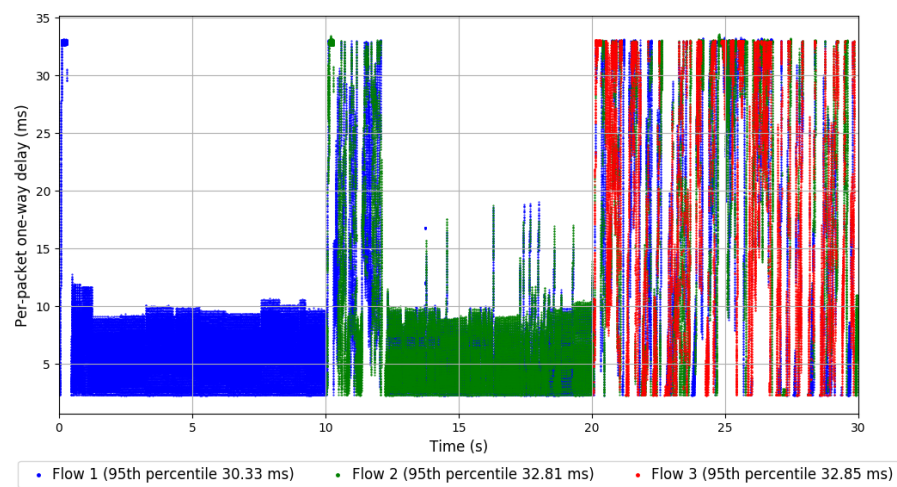
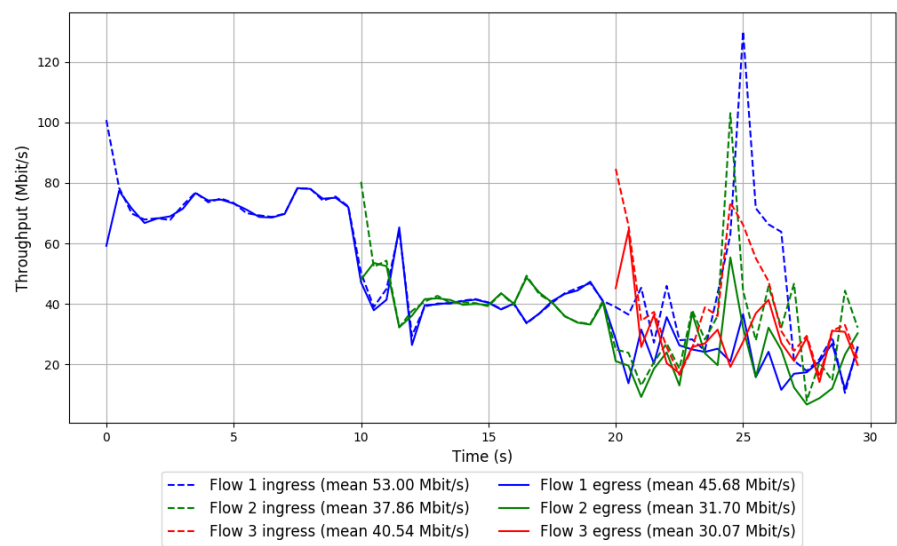
Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 32.853 ms

Loss rate: 25.61%



Run 9: Report of Verus — Data Link

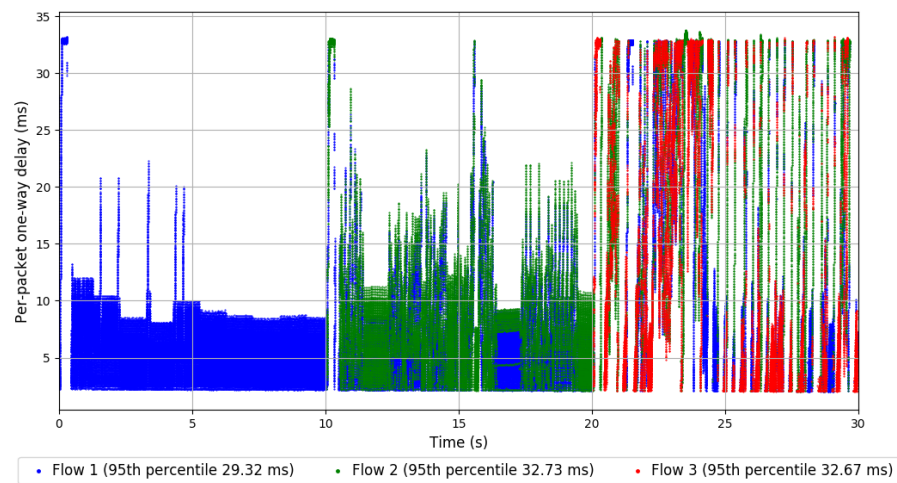
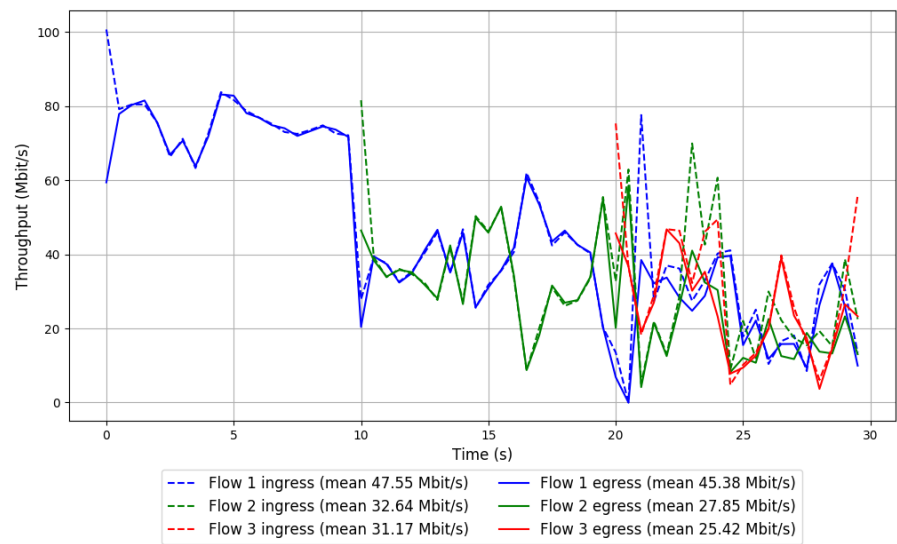


Run 10: Statistics of Verus

Start at: 2018-03-27 20:57:40  
End at: 2018-03-27 20:58:10  
Local clock offset: -6.551 ms  
Remote clock offset: -0.789 ms

# Below is generated by plot.py at 2018-03-27 21:49:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.33 Mbit/s  
95th percentile per-packet one-way delay: 32.202 ms  
Loss rate: 9.12%  
-- Flow 1:  
Average throughput: 45.38 Mbit/s  
95th percentile per-packet one-way delay: 29.319 ms  
Loss rate: 4.56%  
-- Flow 2:  
Average throughput: 27.85 Mbit/s  
95th percentile per-packet one-way delay: 32.728 ms  
Loss rate: 14.68%  
-- Flow 3:  
Average throughput: 25.42 Mbit/s  
95th percentile per-packet one-way delay: 32.674 ms  
Loss rate: 18.43%

Run 10: Report of Verus — Data Link

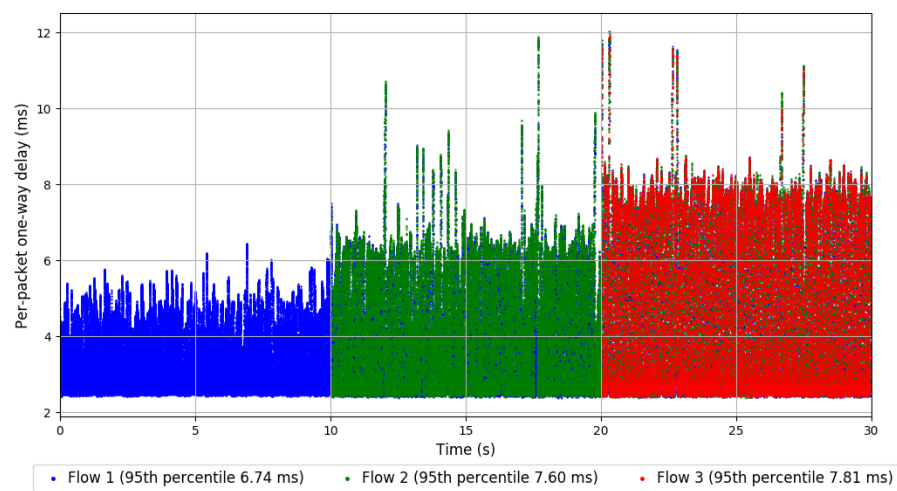
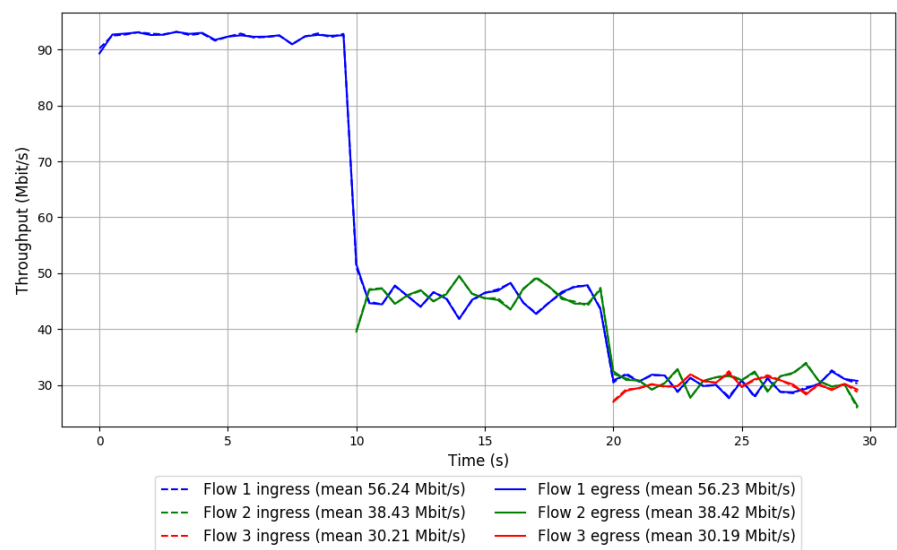


Run 1: Statistics of Copa

Start at: 2018-03-27 17:44:59  
End at: 2018-03-27 17:45:29  
Local clock offset: -5.966 ms  
Remote clock offset: -6.616 ms

# Below is generated by plot.py at 2018-03-27 21:50:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.84 Mbit/s  
95th percentile per-packet one-way delay: 7.382 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.23 Mbit/s  
95th percentile per-packet one-way delay: 6.738 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.42 Mbit/s  
95th percentile per-packet one-way delay: 7.603 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 30.19 Mbit/s  
95th percentile per-packet one-way delay: 7.814 ms  
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

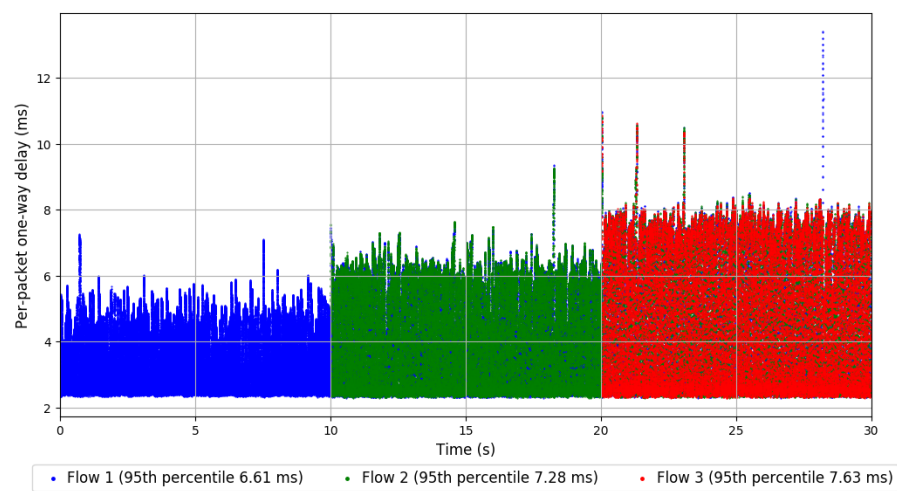
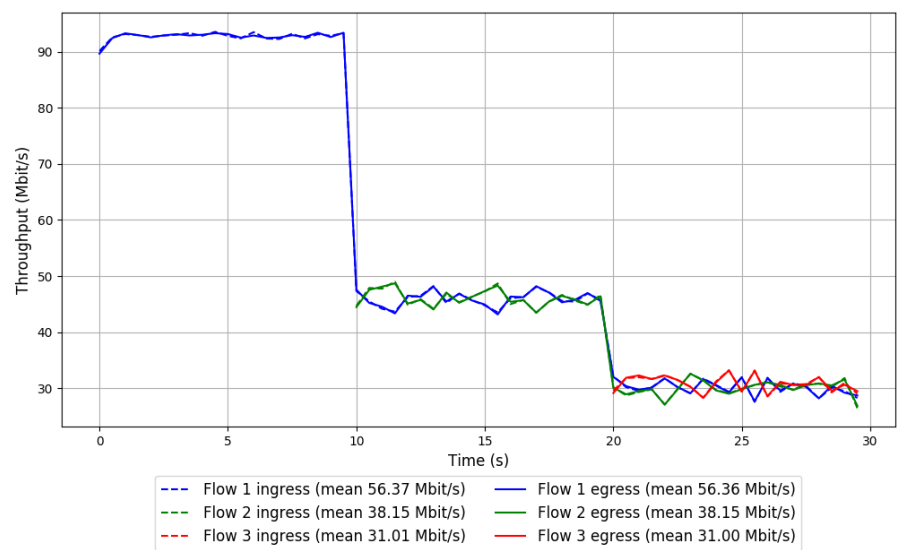


Run 2: Statistics of Copa

Start at: 2018-03-27 18:05:31  
End at: 2018-03-27 18:06:01  
Local clock offset: -6.14 ms  
Remote clock offset: -6.726 ms

# Below is generated by plot.py at 2018-03-27 21:50:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.07 Mbit/s  
95th percentile per-packet one-way delay: 7.148 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.36 Mbit/s  
95th percentile per-packet one-way delay: 6.606 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.15 Mbit/s  
95th percentile per-packet one-way delay: 7.275 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.00 Mbit/s  
95th percentile per-packet one-way delay: 7.626 ms  
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



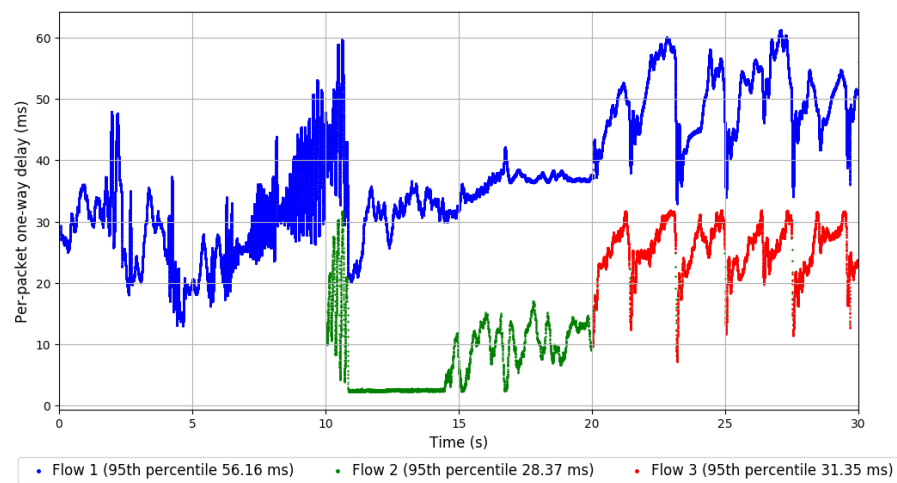
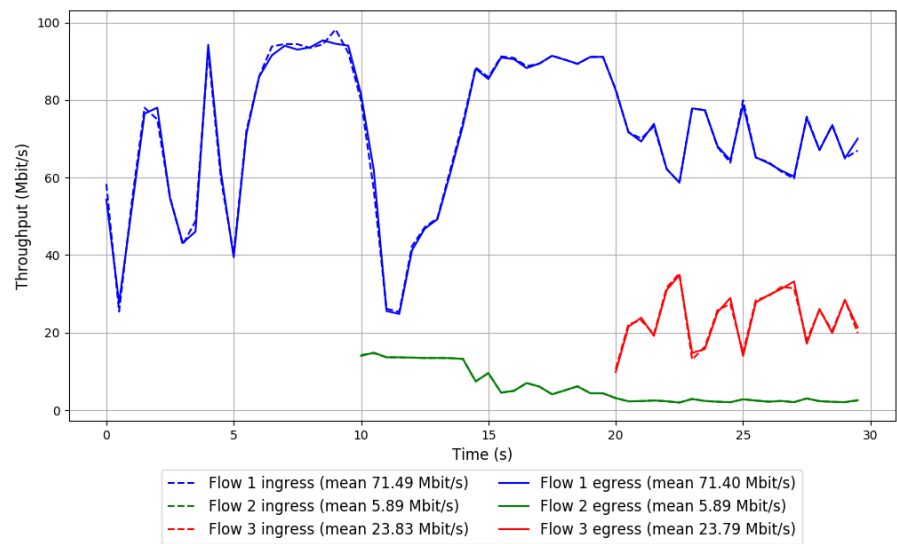
Run 3: Statistics of Copa

Start at: 2018-03-27 18:26:04  
End at: 2018-03-27 18:26:34  
Local clock offset: -6.195 ms  
Remote clock offset: -6.857 ms

# Below is generated by plot.py at 2018-03-27 21:50:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.23 Mbit/s  
95th percentile per-packet one-way delay: 55.285 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 71.40 Mbit/s  
95th percentile per-packet one-way delay: 56.159 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 5.89 Mbit/s  
95th percentile per-packet one-way delay: 28.372 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 23.79 Mbit/s  
95th percentile per-packet one-way delay: 31.354 ms  
Loss rate: 0.05%



Run 3: Report of Copa — Data Link

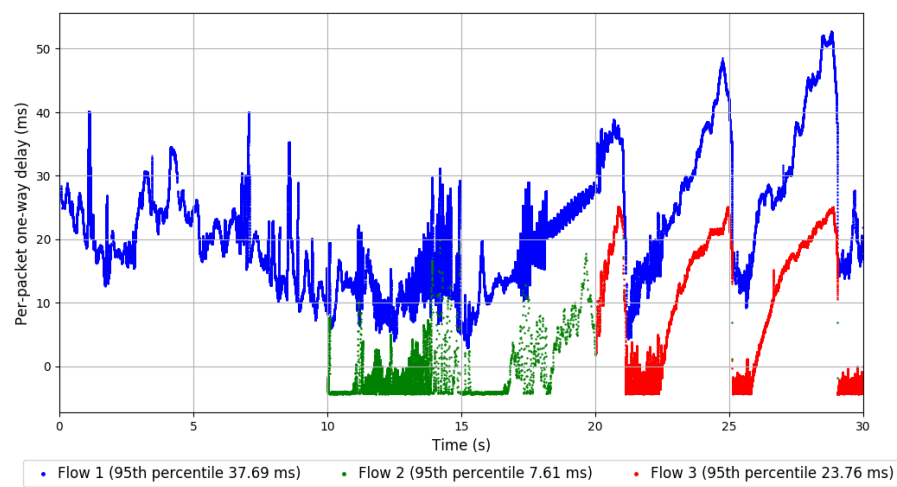
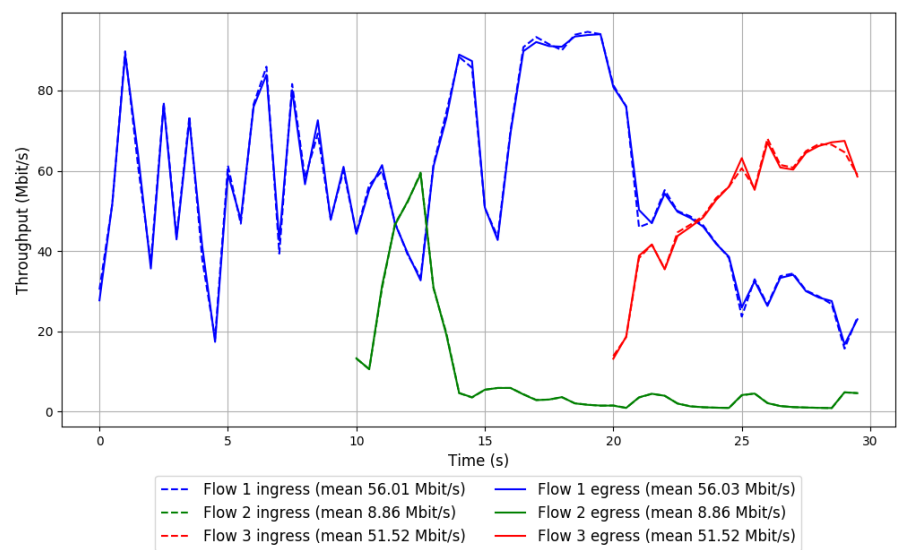


Run 4: Statistics of Copa

Start at: 2018-03-27 18:46:36  
End at: 2018-03-27 18:47:06  
Local clock offset: -5.929 ms  
Remote clock offset: -13.395 ms

# Below is generated by plot.py at 2018-03-27 21:50:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.06 Mbit/s  
95th percentile per-packet one-way delay: 36.426 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 56.03 Mbit/s  
95th percentile per-packet one-way delay: 37.690 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 8.86 Mbit/s  
95th percentile per-packet one-way delay: 7.610 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 51.52 Mbit/s  
95th percentile per-packet one-way delay: 23.759 ms  
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

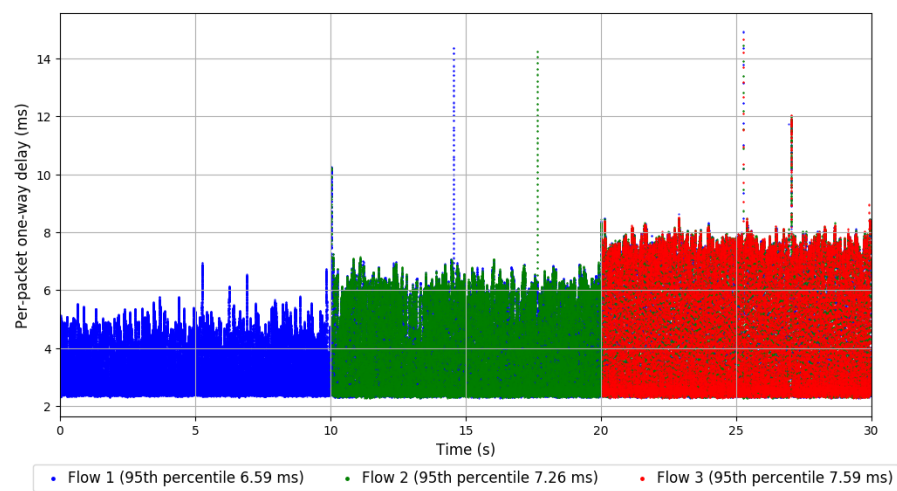
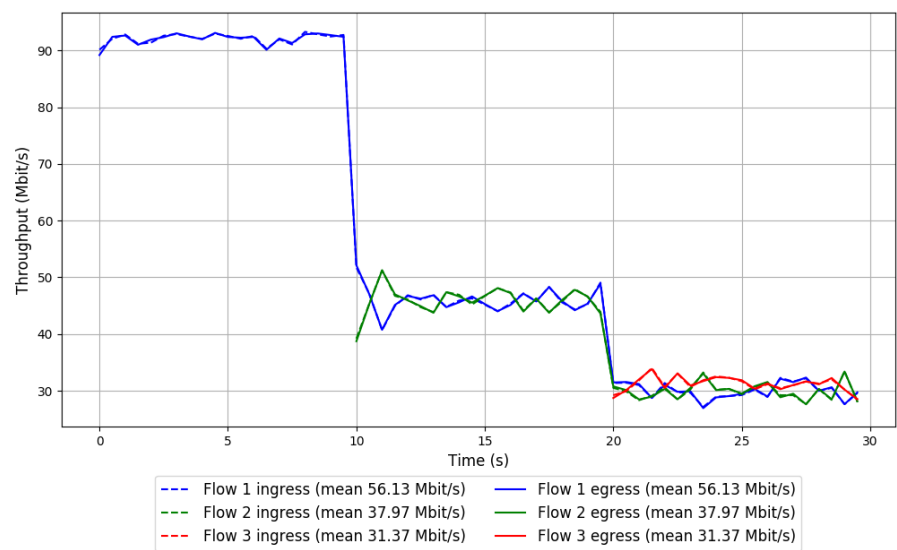


Run 5: Statistics of Copa

Start at: 2018-03-27 19:07:05  
End at: 2018-03-27 19:07:35  
Local clock offset: -6.093 ms  
Remote clock offset: -6.692 ms

```
# Below is generated by plot.py at 2018-03-27 21:51:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 7.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 6.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 7.256 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 7.591 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

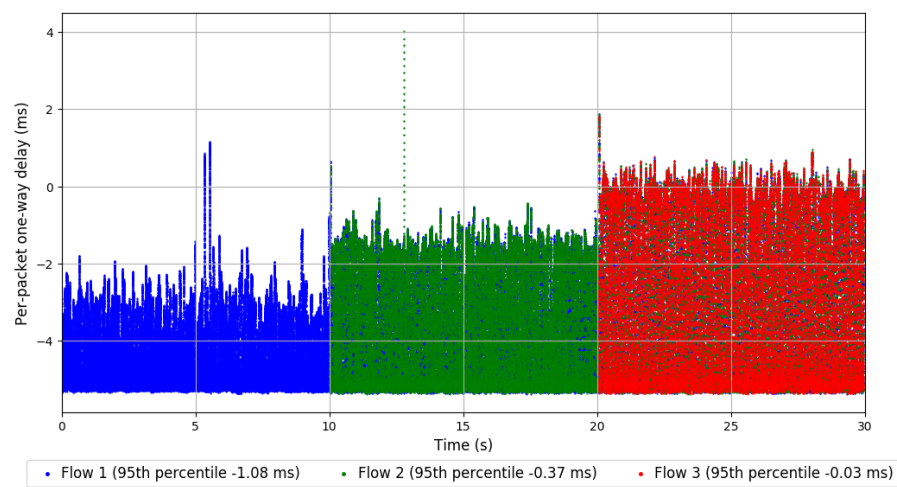
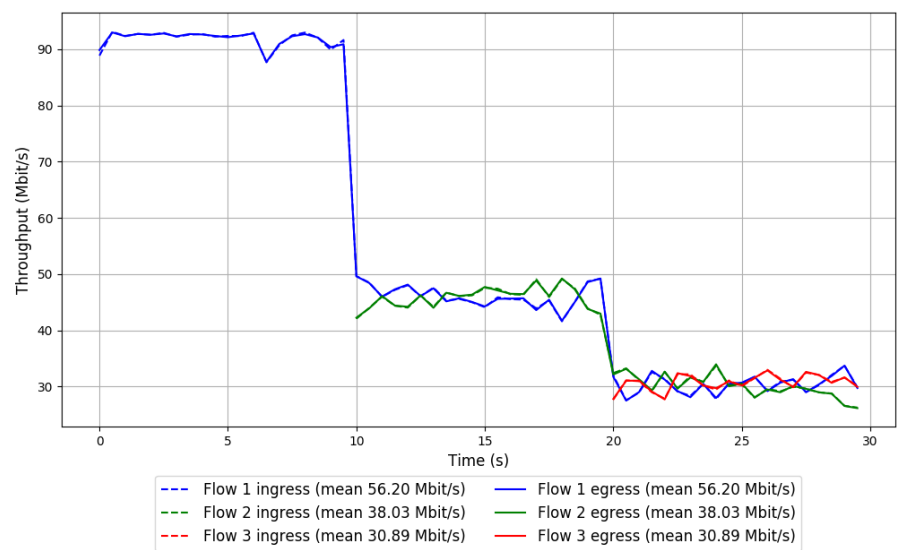


Run 6: Statistics of Copa

Start at: 2018-03-27 19:27:36  
End at: 2018-03-27 19:28:06  
Local clock offset: -6.254 ms  
Remote clock offset: -14.174 ms

# Below is generated by plot.py at 2018-03-27 21:51:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.78 Mbit/s  
95th percentile per-packet one-way delay: -0.486 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.20 Mbit/s  
95th percentile per-packet one-way delay: -1.080 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.03 Mbit/s  
95th percentile per-packet one-way delay: -0.374 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.89 Mbit/s  
95th percentile per-packet one-way delay: -0.031 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



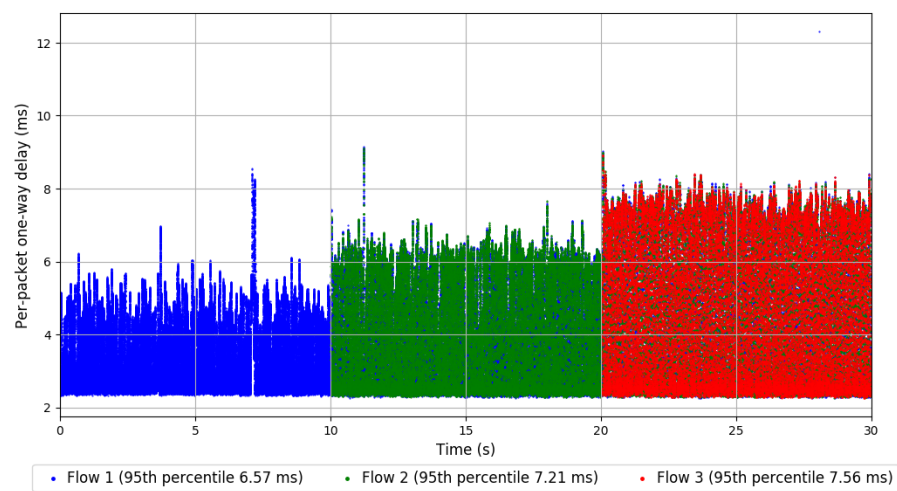
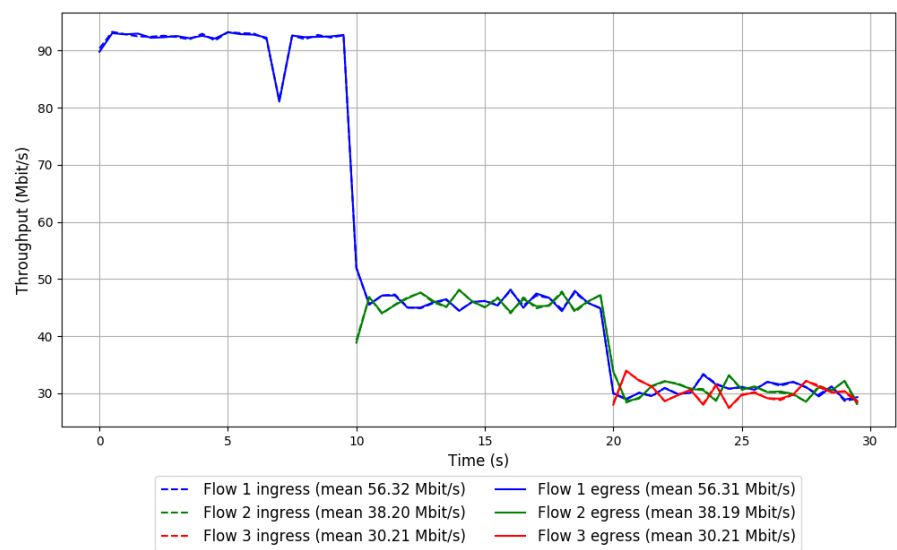
Run 7: Statistics of Copa

Start at: 2018-03-27 19:48:08  
End at: 2018-03-27 19:48:38  
Local clock offset: -6.046 ms  
Remote clock offset: -5.98 ms

# Below is generated by plot.py at 2018-03-27 21:51:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.77 Mbit/s  
95th percentile per-packet one-way delay: 7.094 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.31 Mbit/s  
95th percentile per-packet one-way delay: 6.566 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.19 Mbit/s  
95th percentile per-packet one-way delay: 7.210 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.21 Mbit/s  
95th percentile per-packet one-way delay: 7.561 ms  
Loss rate: 0.01%



Run 7: Report of Copa — Data Link

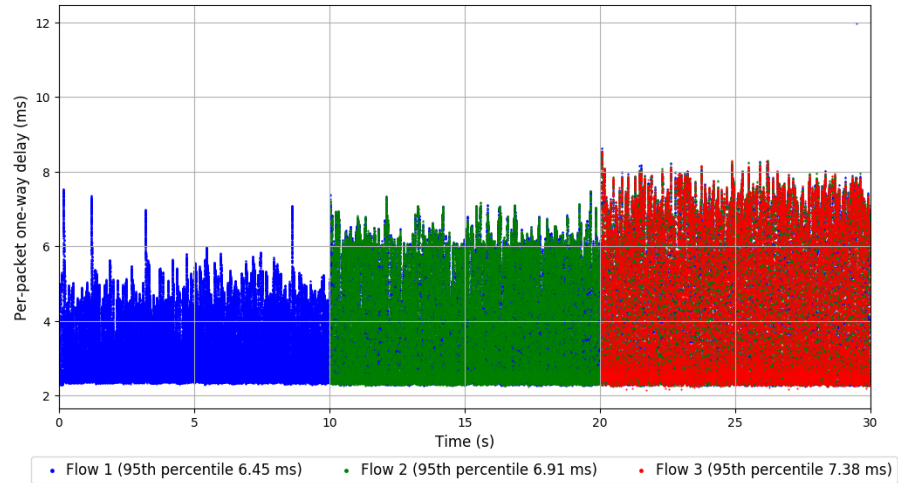
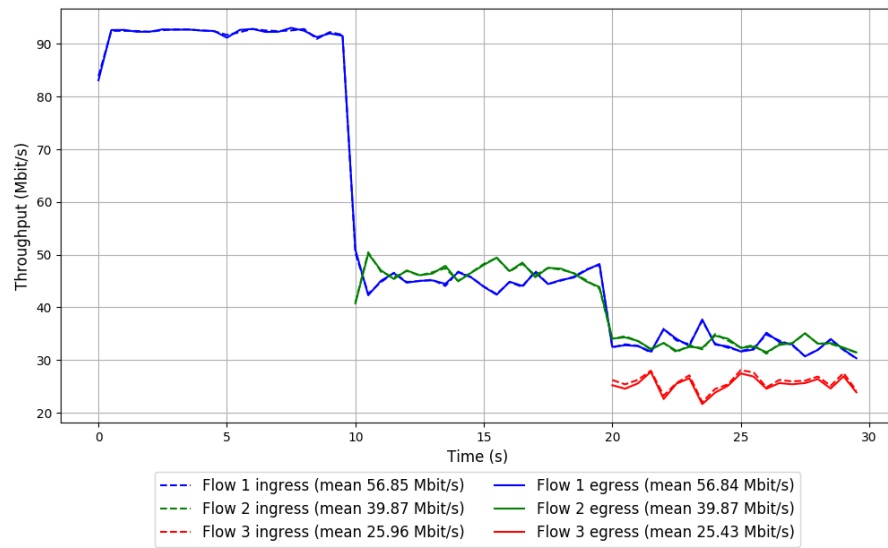


Run 8: Statistics of Copa

Start at: 2018-03-27 20:08:36  
End at: 2018-03-27 20:09:06  
Local clock offset: -6.049 ms  
Remote clock offset: -5.027 ms

```
# Below is generated by plot.py at 2018-03-27 21:51:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 6.791 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 6.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 6.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 7.383 ms
Loss rate: 2.05%
```

## Run 8: Report of Copa — Data Link

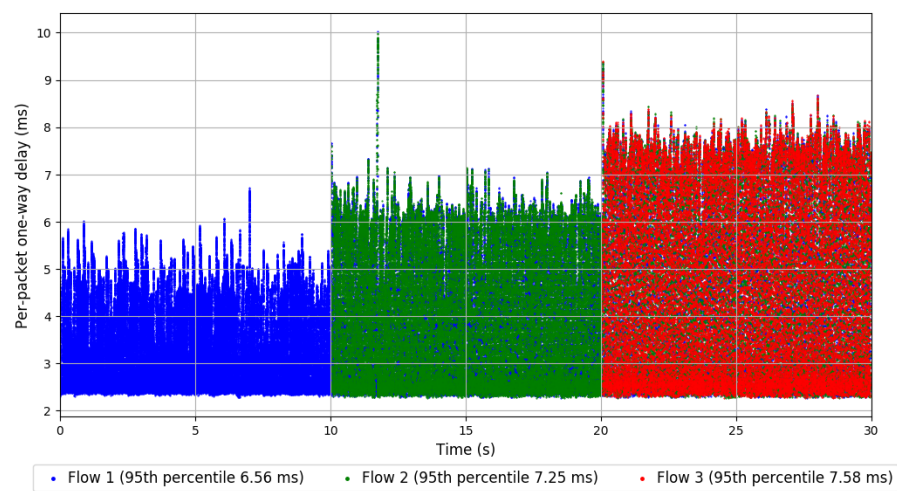
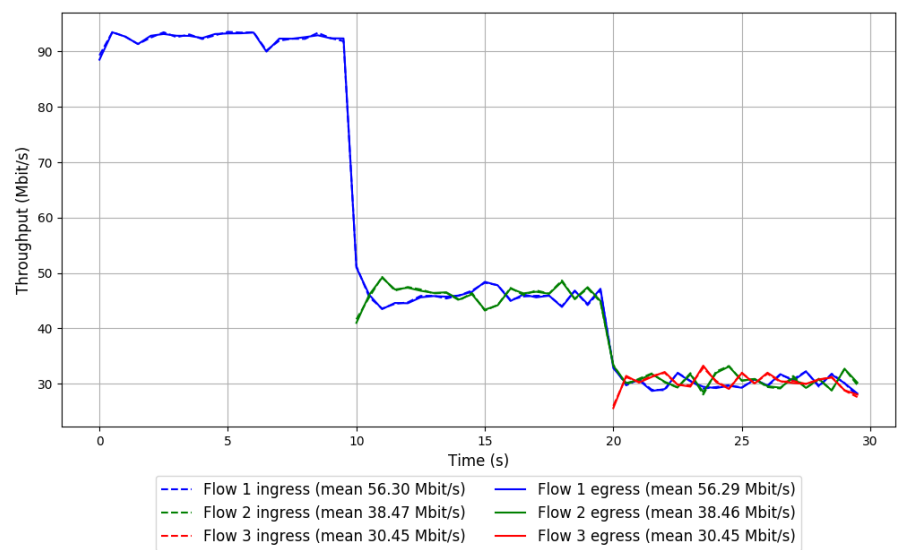


Run 9: Statistics of Copa

Start at: 2018-03-27 20:29:09  
End at: 2018-03-27 20:29:39  
Local clock offset: -6.439 ms  
Remote clock offset: -4.497 ms

# Below is generated by plot.py at 2018-03-27 21:52:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.01 Mbit/s  
95th percentile per-packet one-way delay: 7.123 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.29 Mbit/s  
95th percentile per-packet one-way delay: 6.557 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.46 Mbit/s  
95th percentile per-packet one-way delay: 7.251 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.45 Mbit/s  
95th percentile per-packet one-way delay: 7.584 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

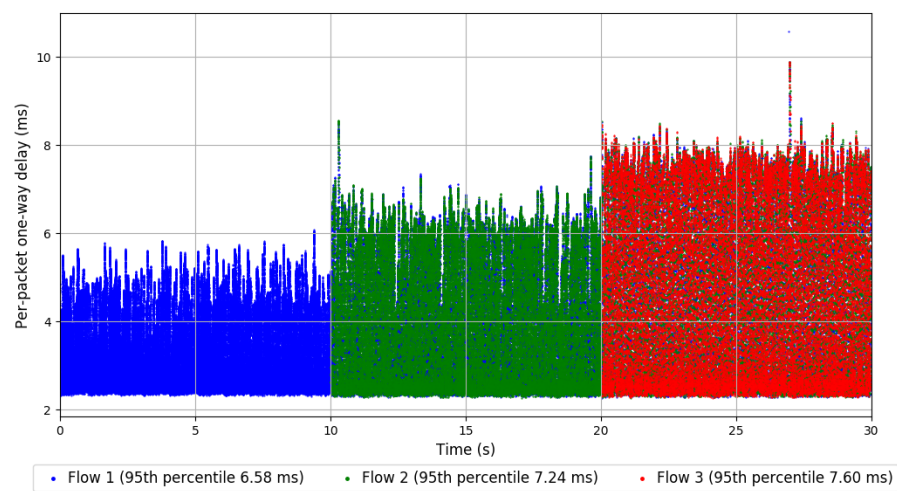
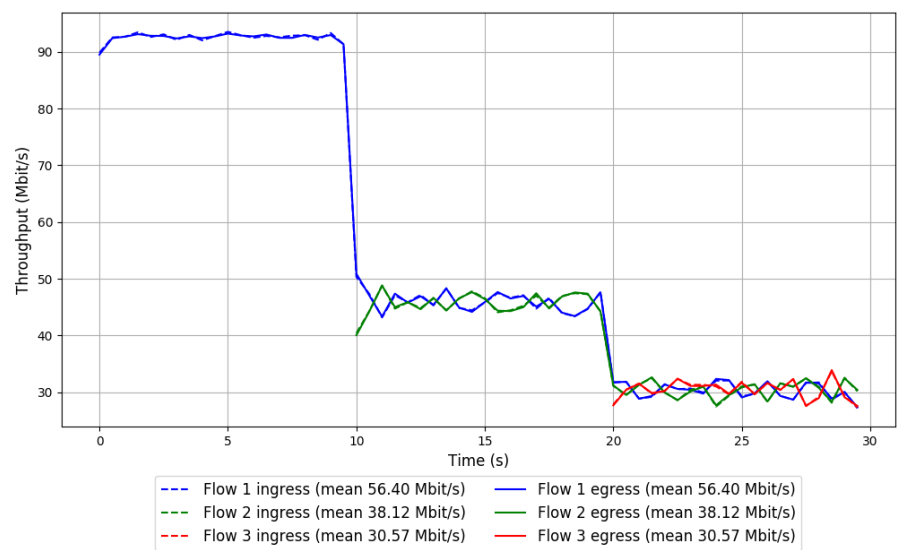


Run 10: Statistics of Copa

Start at: 2018-03-27 20:49:42  
End at: 2018-03-27 20:50:12  
Local clock offset: -6.514 ms  
Remote clock offset: -3.907 ms

# Below is generated by plot.py at 2018-03-27 21:53:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.94 Mbit/s  
95th percentile per-packet one-way delay: 7.130 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.40 Mbit/s  
95th percentile per-packet one-way delay: 6.577 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.12 Mbit/s  
95th percentile per-packet one-way delay: 7.241 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.57 Mbit/s  
95th percentile per-packet one-way delay: 7.596 ms  
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



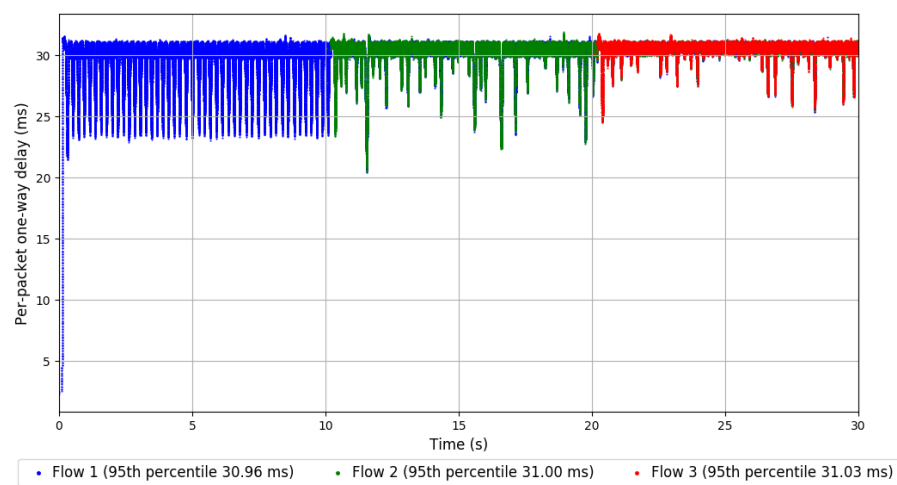
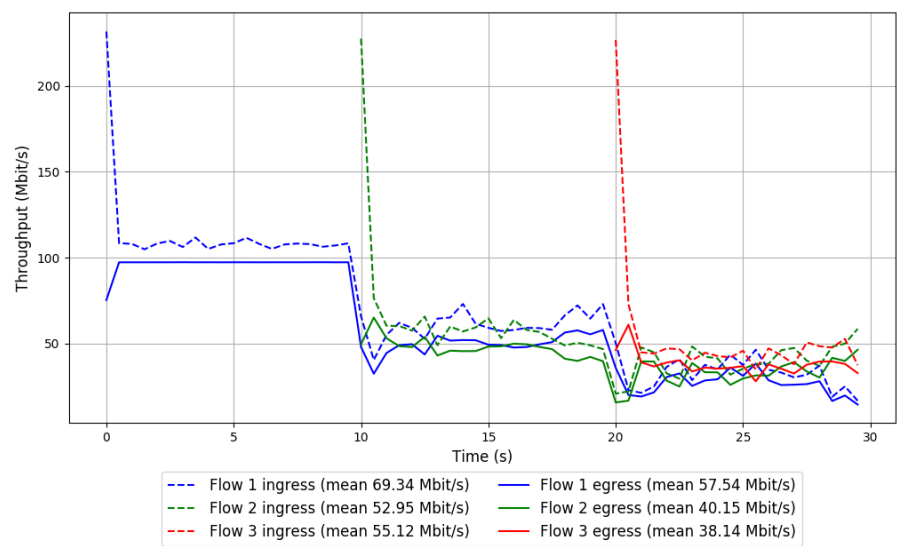
Run 1: Statistics of FillP

Start at: 2018-03-27 17:58:38  
End at: 2018-03-27 17:59:08  
Local clock offset: -6.073 ms  
Remote clock offset: -6.695 ms

# Below is generated by plot.py at 2018-03-27 21:53:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.91 Mbit/s  
95th percentile per-packet one-way delay: 30.978 ms  
Loss rate: 21.07%  
-- Flow 1:  
Average throughput: 57.54 Mbit/s  
95th percentile per-packet one-way delay: 30.956 ms  
Loss rate: 16.94%  
-- Flow 2:  
Average throughput: 40.15 Mbit/s  
95th percentile per-packet one-way delay: 30.998 ms  
Loss rate: 24.16%  
-- Flow 3:  
Average throughput: 38.14 Mbit/s  
95th percentile per-packet one-way delay: 31.030 ms  
Loss rate: 30.78%



Run 1: Report of FillP — Data Link

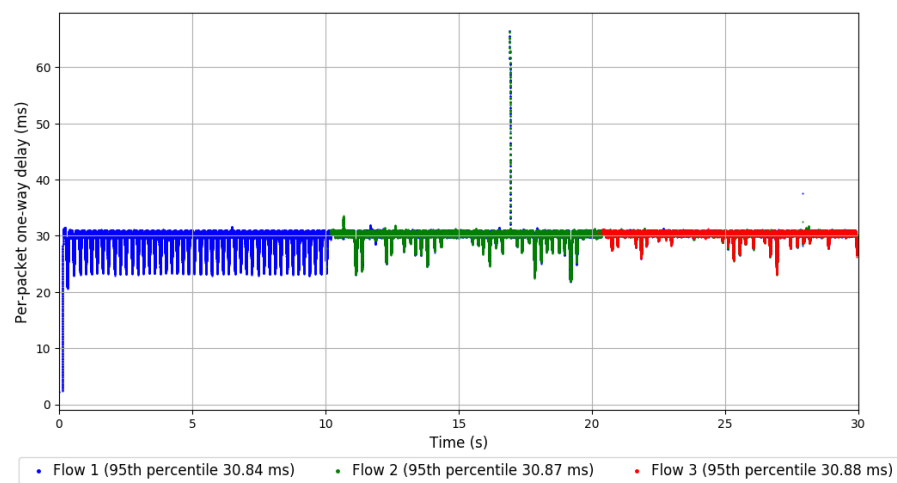
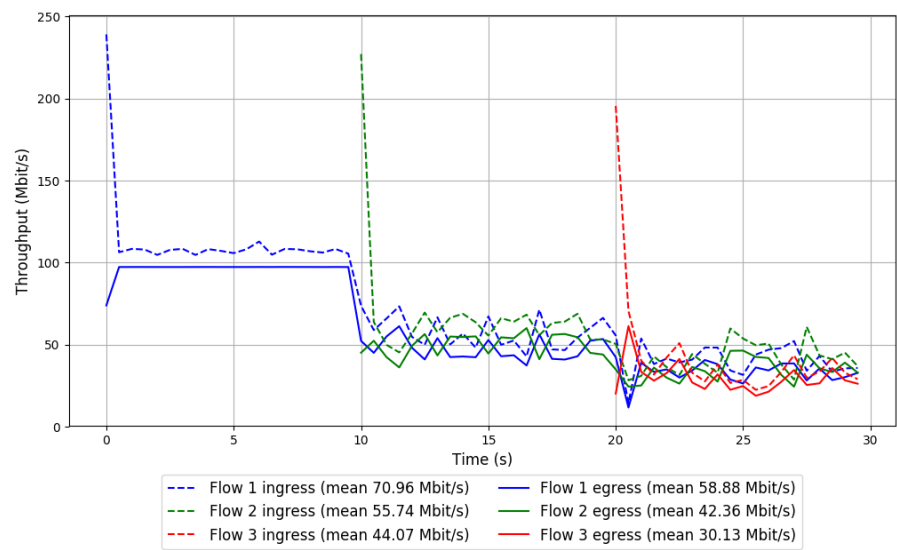


Run 2: Statistics of FillP

Start at: 2018-03-27 18:19:11  
End at: 2018-03-27 18:19:41  
Local clock offset: -6.168 ms  
Remote clock offset: -6.857 ms

# Below is generated by plot.py at 2018-03-27 21:53:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.88 Mbit/s  
95th percentile per-packet one-way delay: 30.852 ms  
Loss rate: 20.95%  
-- Flow 1:  
Average throughput: 58.88 Mbit/s  
95th percentile per-packet one-way delay: 30.835 ms  
Loss rate: 16.95%  
-- Flow 2:  
Average throughput: 42.36 Mbit/s  
95th percentile per-packet one-way delay: 30.870 ms  
Loss rate: 23.98%  
-- Flow 3:  
Average throughput: 30.13 Mbit/s  
95th percentile per-packet one-way delay: 30.876 ms  
Loss rate: 32.67%

Run 2: Report of FillP — Data Link

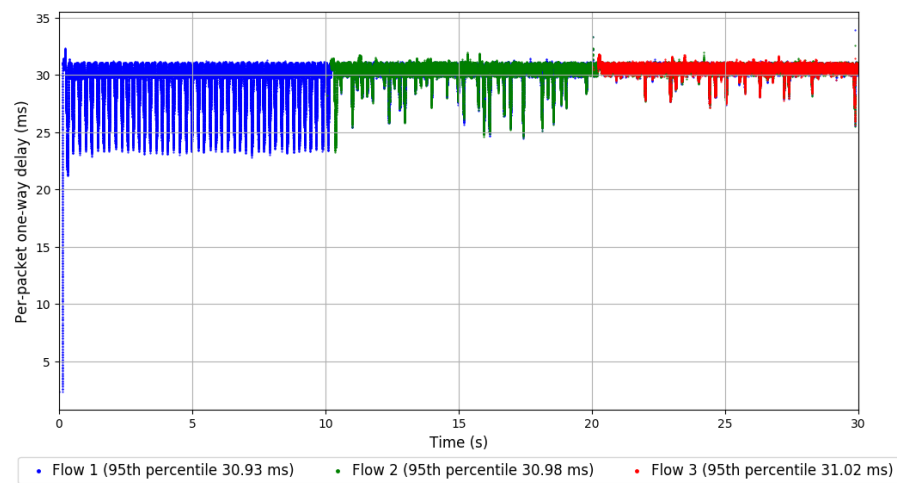
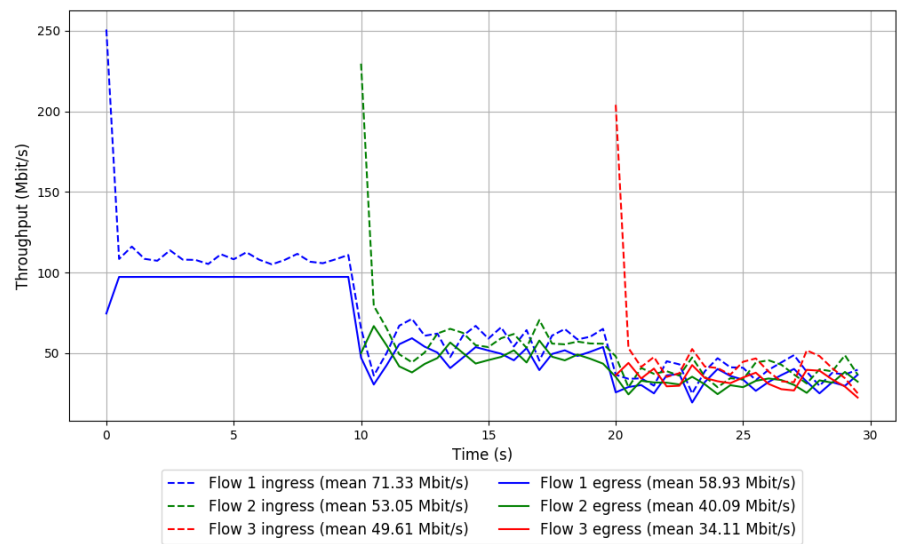


Run 3: Statistics of FillP

Start at: 2018-03-27 18:39:43  
End at: 2018-03-27 18:40:13  
Local clock offset: -5.935 ms  
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-03-27 21:53:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 30.958 ms  
Loss rate: 21.22%  
-- Flow 1:  
Average throughput: 58.93 Mbit/s  
95th percentile per-packet one-way delay: 30.933 ms  
Loss rate: 17.32%  
-- Flow 2:  
Average throughput: 40.09 Mbit/s  
95th percentile per-packet one-way delay: 30.984 ms  
Loss rate: 24.43%  
-- Flow 3:  
Average throughput: 34.11 Mbit/s  
95th percentile per-packet one-way delay: 31.018 ms  
Loss rate: 31.23%

Run 3: Report of FillP — Data Link

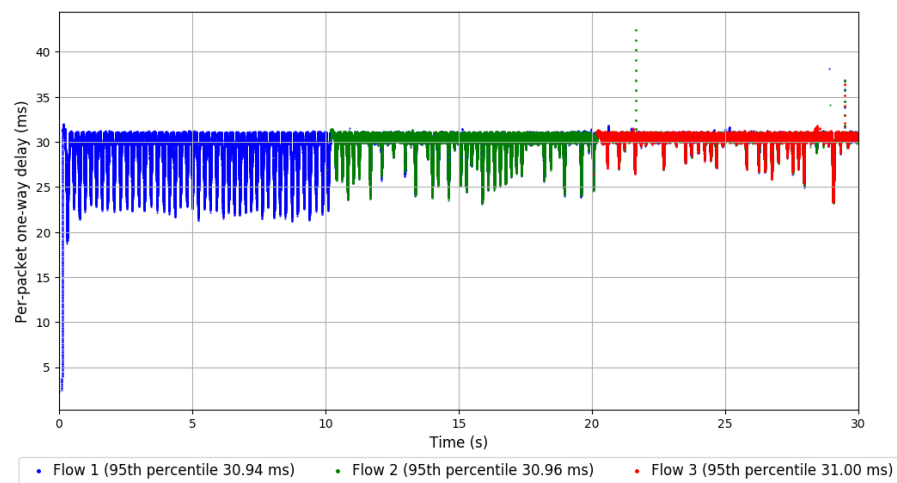
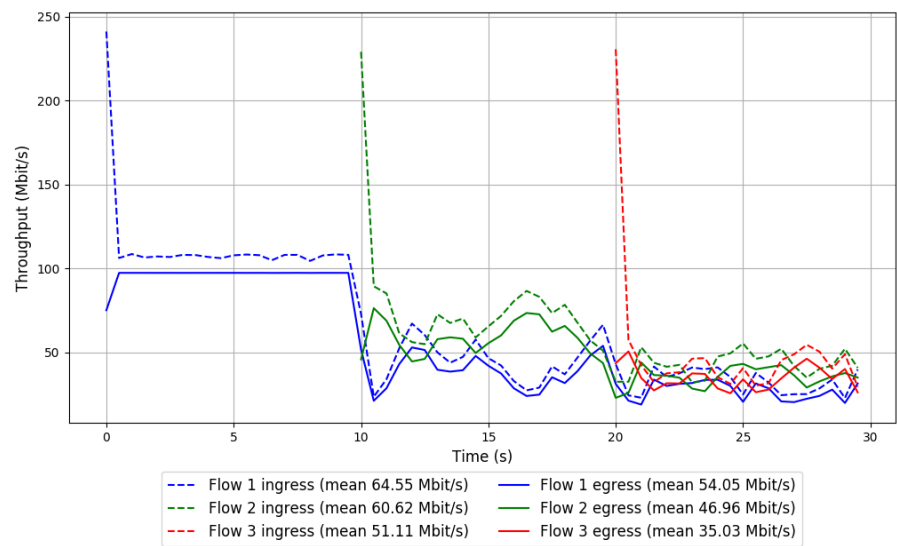


Run 4: Statistics of FillP

Start at: 2018-03-27 19:00:13  
End at: 2018-03-27 19:00:43  
Local clock offset: -5.935 ms  
Remote clock offset: -6.634 ms

# Below is generated by plot.py at 2018-03-27 21:53:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 30.958 ms  
Loss rate: 20.41%  
-- Flow 1:  
Average throughput: 54.05 Mbit/s  
95th percentile per-packet one-way delay: 30.943 ms  
Loss rate: 16.19%  
-- Flow 2:  
Average throughput: 46.96 Mbit/s  
95th percentile per-packet one-way delay: 30.963 ms  
Loss rate: 22.54%  
-- Flow 3:  
Average throughput: 35.03 Mbit/s  
95th percentile per-packet one-way delay: 31.003 ms  
Loss rate: 31.42%

Run 4: Report of FillP — Data Link



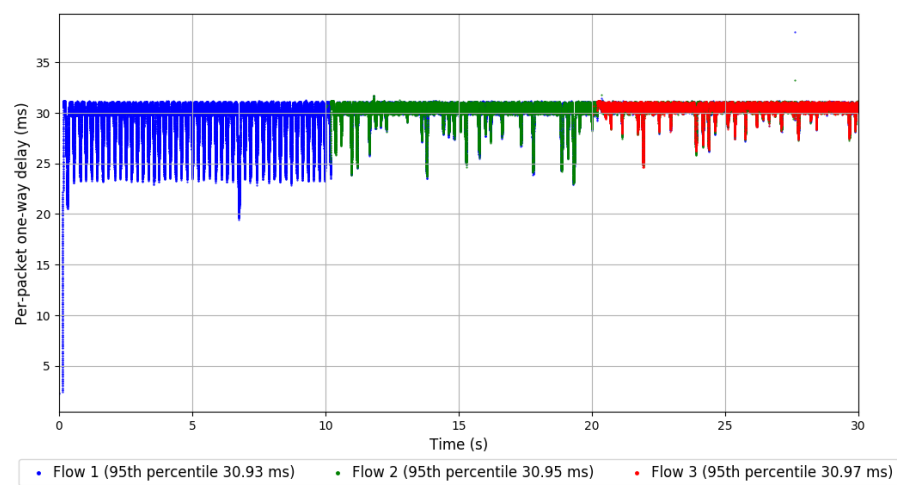
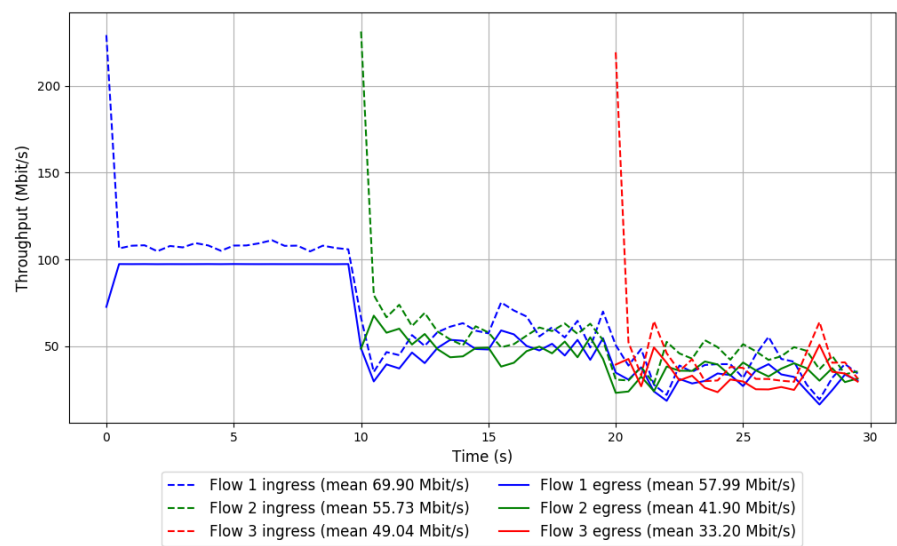
Run 5: Statistics of FillP

Start at: 2018-03-27 19:20:44  
End at: 2018-03-27 19:21:14  
Local clock offset: -6.202 ms  
Remote clock offset: -6.549 ms

# Below is generated by plot.py at 2018-03-27 21:53:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.86 Mbit/s  
95th percentile per-packet one-way delay: 30.942 ms  
Loss rate: 21.35%  
-- Flow 1:  
Average throughput: 57.99 Mbit/s  
95th percentile per-packet one-way delay: 30.926 ms  
Loss rate: 16.96%  
-- Flow 2:  
Average throughput: 41.90 Mbit/s  
95th percentile per-packet one-way delay: 30.954 ms  
Loss rate: 24.81%  
-- Flow 3:  
Average throughput: 33.20 Mbit/s  
95th percentile per-packet one-way delay: 30.974 ms  
Loss rate: 32.29%



Run 5: Report of FillP — Data Link

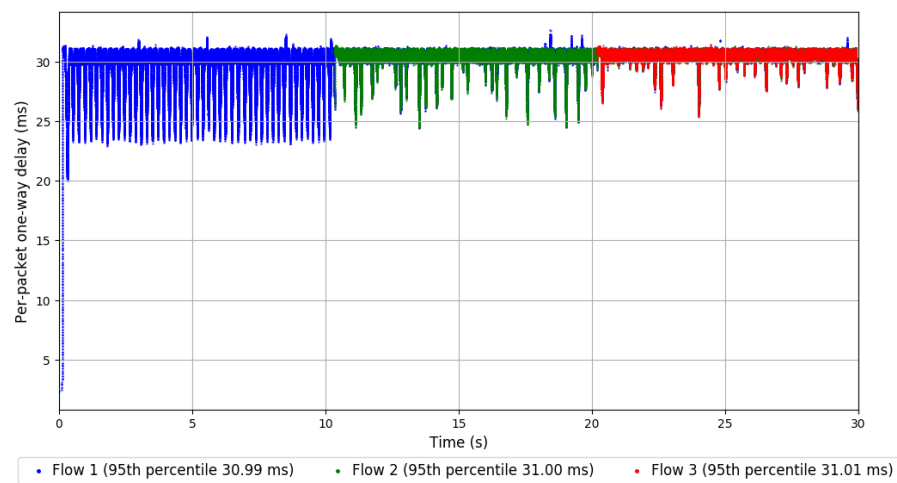
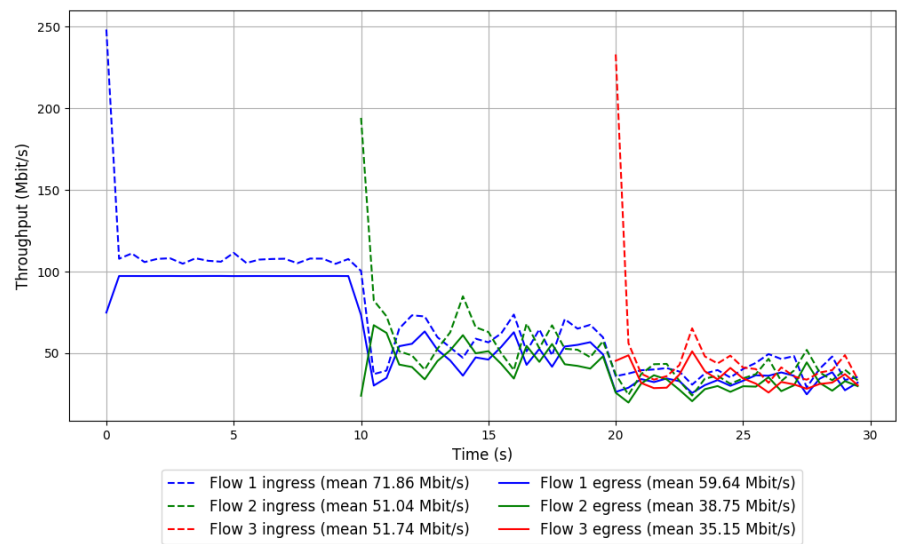


Run 6: Statistics of FillP

Start at: 2018-03-27 19:41:15  
End at: 2018-03-27 19:41:45  
Local clock offset: -6.108 ms  
Remote clock offset: -6.393 ms

# Below is generated by plot.py at 2018-03-27 21:53:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 30.994 ms  
Loss rate: 21.18%  
-- Flow 1:  
Average throughput: 59.64 Mbit/s  
95th percentile per-packet one-way delay: 30.987 ms  
Loss rate: 16.93%  
-- Flow 2:  
Average throughput: 38.75 Mbit/s  
95th percentile per-packet one-way delay: 30.998 ms  
Loss rate: 24.66%  
-- Flow 3:  
Average throughput: 35.15 Mbit/s  
95th percentile per-packet one-way delay: 31.013 ms  
Loss rate: 32.09%

Run 6: Report of FillP — Data Link

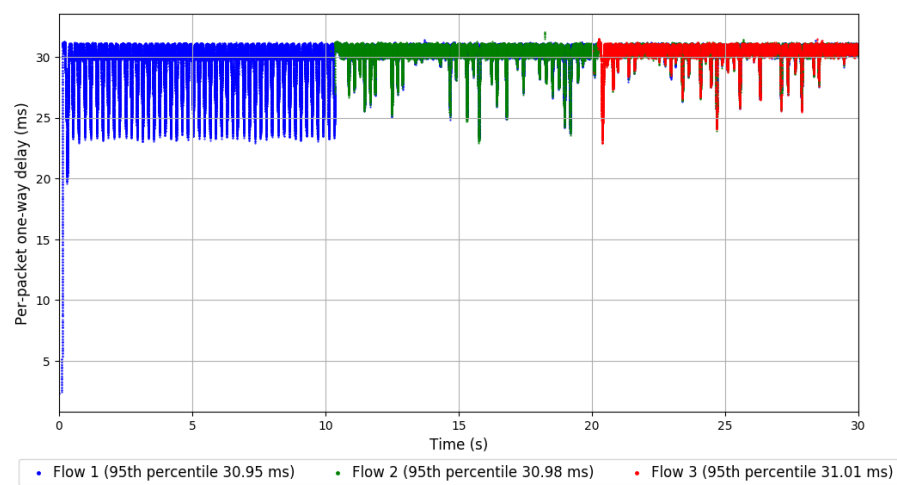
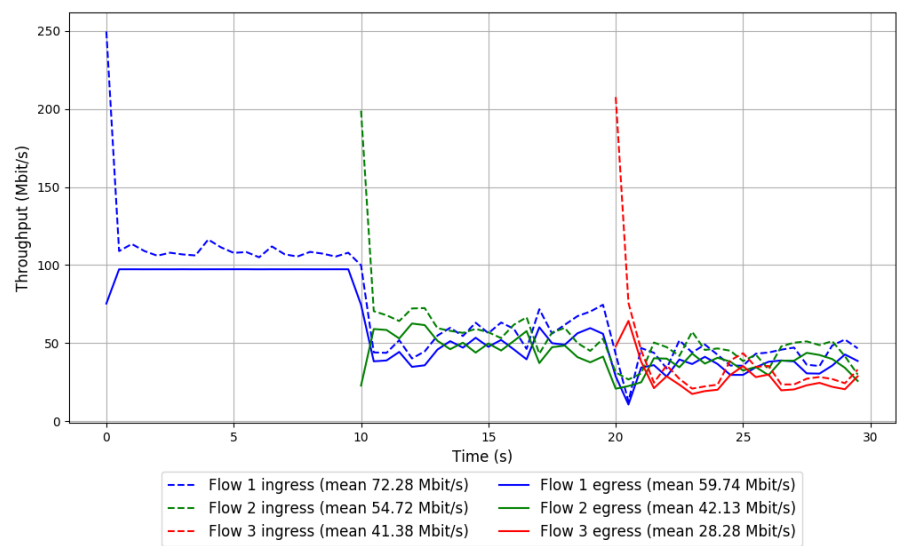


Run 7: Statistics of FillP

Start at: 2018-03-27 20:01:45  
End at: 2018-03-27 20:02:15  
Local clock offset: -6.038 ms  
Remote clock offset: -5.255 ms

# Below is generated by plot.py at 2018-03-27 21:54:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.91 Mbit/s  
95th percentile per-packet one-way delay: 30.963 ms  
Loss rate: 20.76%  
-- Flow 1:  
Average throughput: 59.74 Mbit/s  
95th percentile per-packet one-way delay: 30.950 ms  
Loss rate: 17.27%  
-- Flow 2:  
Average throughput: 42.13 Mbit/s  
95th percentile per-packet one-way delay: 30.977 ms  
Loss rate: 23.60%  
-- Flow 3:  
Average throughput: 28.28 Mbit/s  
95th percentile per-packet one-way delay: 31.009 ms  
Loss rate: 31.65%

Run 7: Report of FillP — Data Link

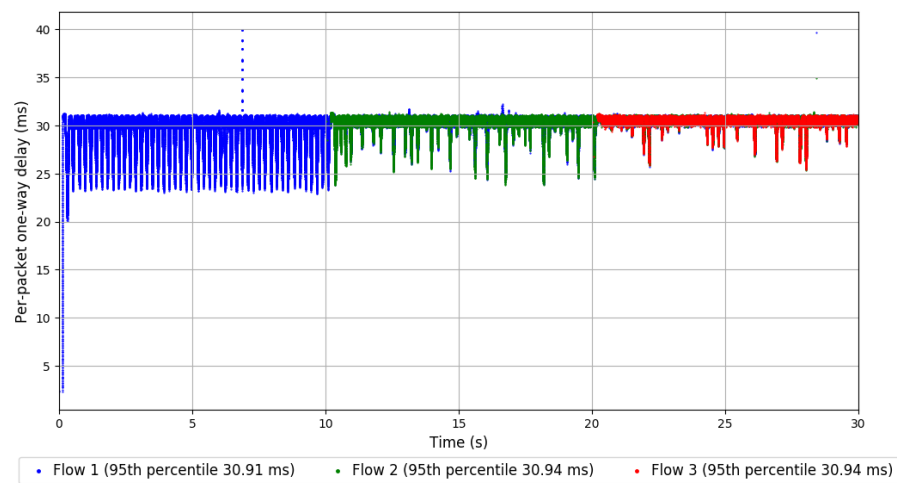
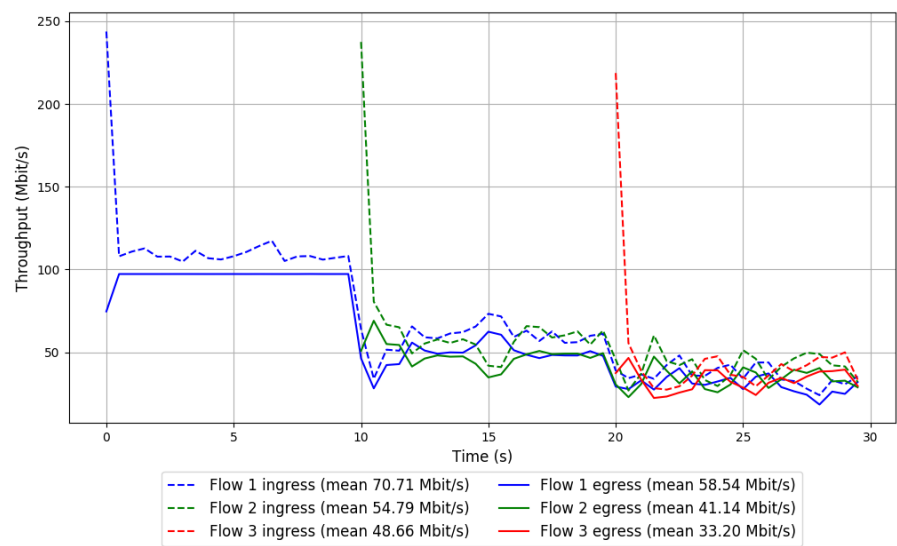


Run 8: Statistics of FillP

Start at: 2018-03-27 20:22:16  
End at: 2018-03-27 20:22:46  
Local clock offset: -6.338 ms  
Remote clock offset: -4.676 ms

# Below is generated by plot.py at 2018-03-27 21:54:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 30.922 ms  
Loss rate: 21.35%  
-- Flow 1:  
Average throughput: 58.54 Mbit/s  
95th percentile per-packet one-way delay: 30.906 ms  
Loss rate: 17.13%  
-- Flow 2:  
Average throughput: 41.14 Mbit/s  
95th percentile per-packet one-way delay: 30.940 ms  
Loss rate: 24.91%  
-- Flow 3:  
Average throughput: 33.20 Mbit/s  
95th percentile per-packet one-way delay: 30.944 ms  
Loss rate: 31.77%

Run 8: Report of FillP — Data Link



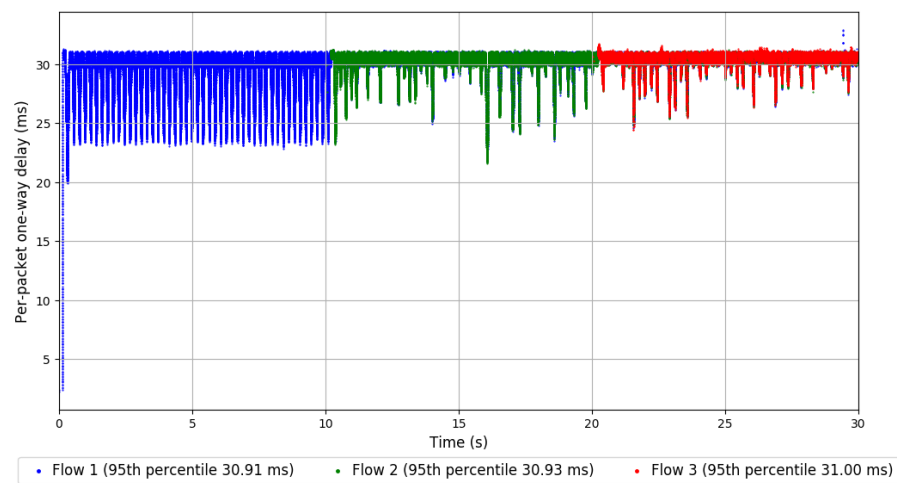
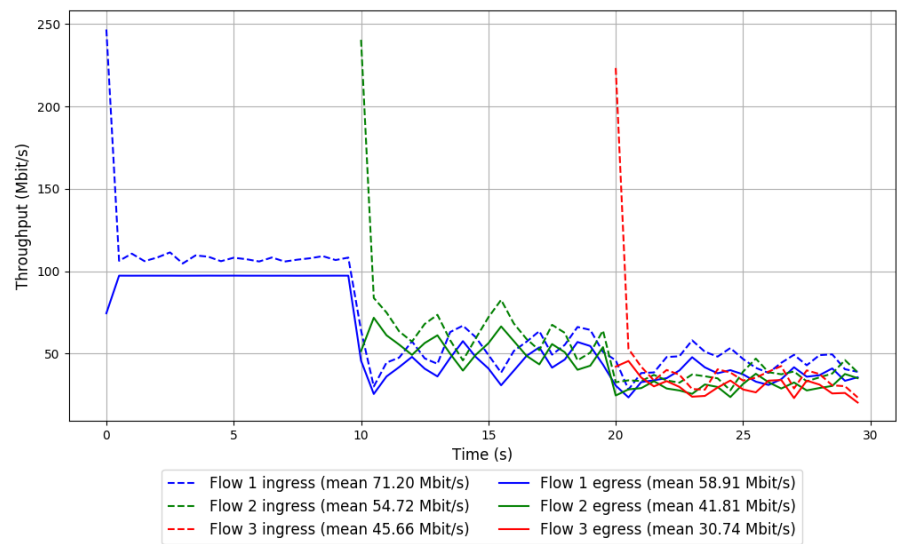
Run 9: Statistics of FillP

Start at: 2018-03-27 20:42:49  
End at: 2018-03-27 20:43:19  
Local clock offset: -6.513 ms  
Remote clock offset: -4.104 ms

# Below is generated by plot.py at 2018-03-27 21:54:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.90 Mbit/s  
95th percentile per-packet one-way delay: 30.929 ms  
Loss rate: 20.99%  
-- Flow 1:  
Average throughput: 58.91 Mbit/s  
95th percentile per-packet one-way delay: 30.909 ms  
Loss rate: 17.19%  
-- Flow 2:  
Average throughput: 41.81 Mbit/s  
95th percentile per-packet one-way delay: 30.934 ms  
Loss rate: 23.58%  
-- Flow 3:  
Average throughput: 30.74 Mbit/s  
95th percentile per-packet one-way delay: 31.002 ms  
Loss rate: 32.66%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-27 21:03:21

End at: 2018-03-27 21:03:51

Local clock offset: -6.555 ms

Remote clock offset: 1.214 ms

# Below is generated by plot.py at 2018-03-27 21:54:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.88 Mbit/s

95th percentile per-packet one-way delay: 30.857 ms

Loss rate: 20.93%

-- Flow 1:

Average throughput: 58.38 Mbit/s

95th percentile per-packet one-way delay: 30.853 ms

Loss rate: 16.80%

-- Flow 2:

Average throughput: 40.43 Mbit/s

95th percentile per-packet one-way delay: 30.882 ms

Loss rate: 23.98%

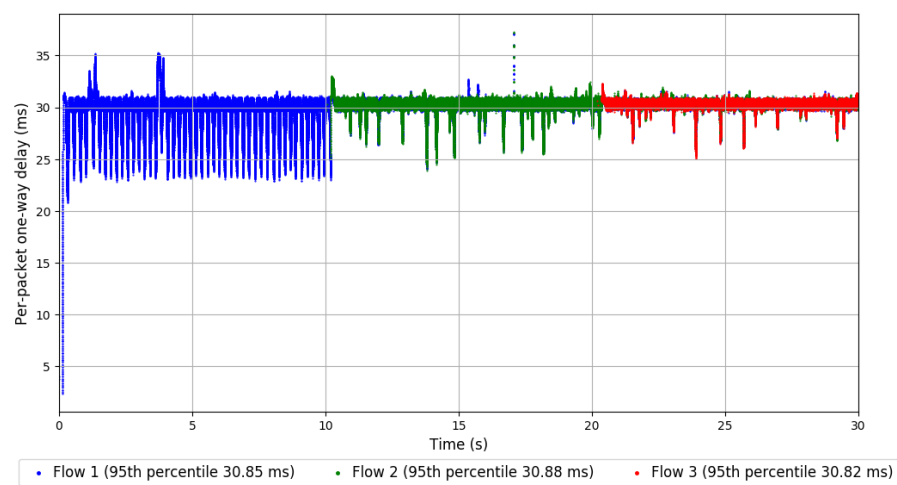
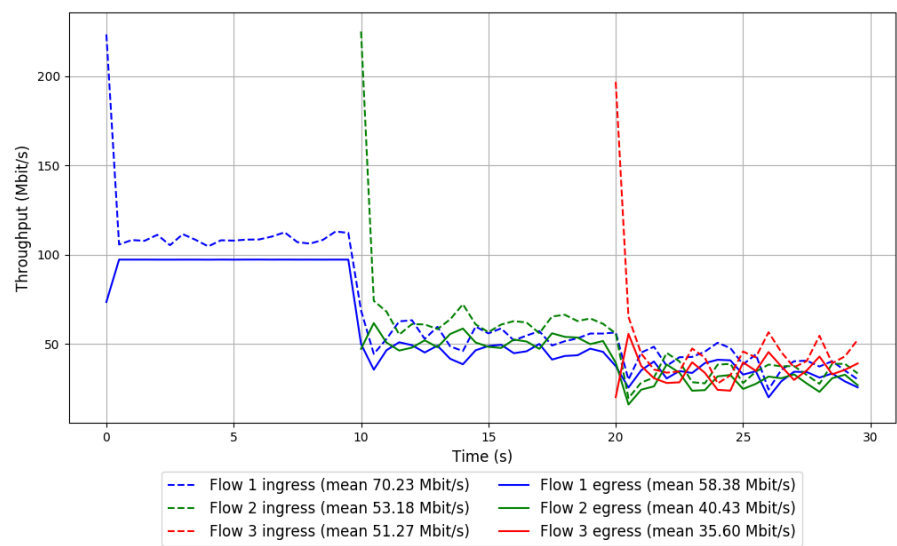
-- Flow 3:

Average throughput: 35.60 Mbit/s

95th percentile per-packet one-way delay: 30.821 ms

Loss rate: 31.64%

Run 10: Report of FillP — Data Link

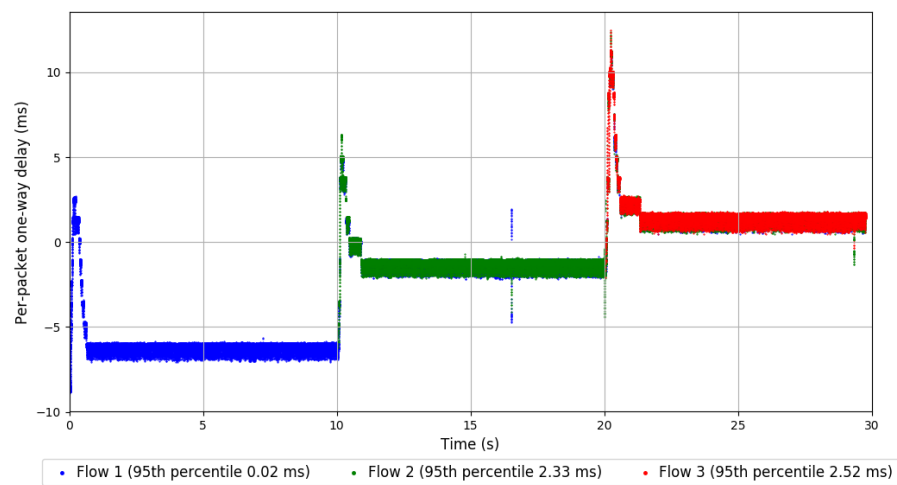
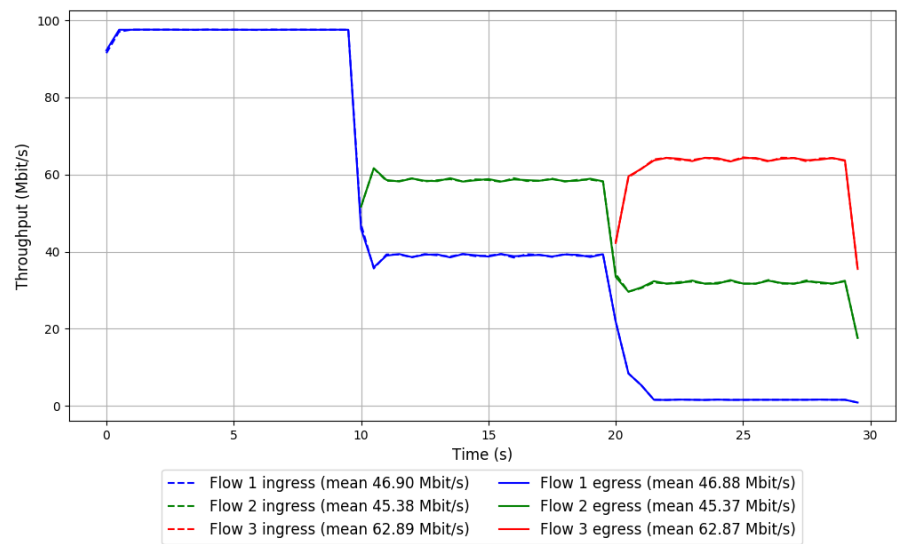


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 17:57:29  
End at: 2018-03-27 17:57:59  
Local clock offset: -6.048 ms  
Remote clock offset: -17.81 ms

# Below is generated by plot.py at 2018-03-27 21:54:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 1.774 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.88 Mbit/s  
95th percentile per-packet one-way delay: 0.022 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.37 Mbit/s  
95th percentile per-packet one-way delay: 2.325 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.87 Mbit/s  
95th percentile per-packet one-way delay: 2.520 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-1-32 — Data Link

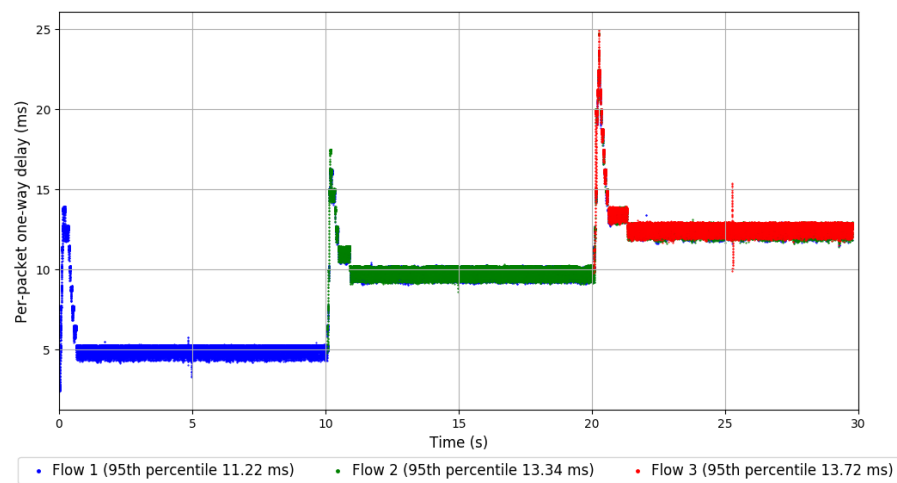
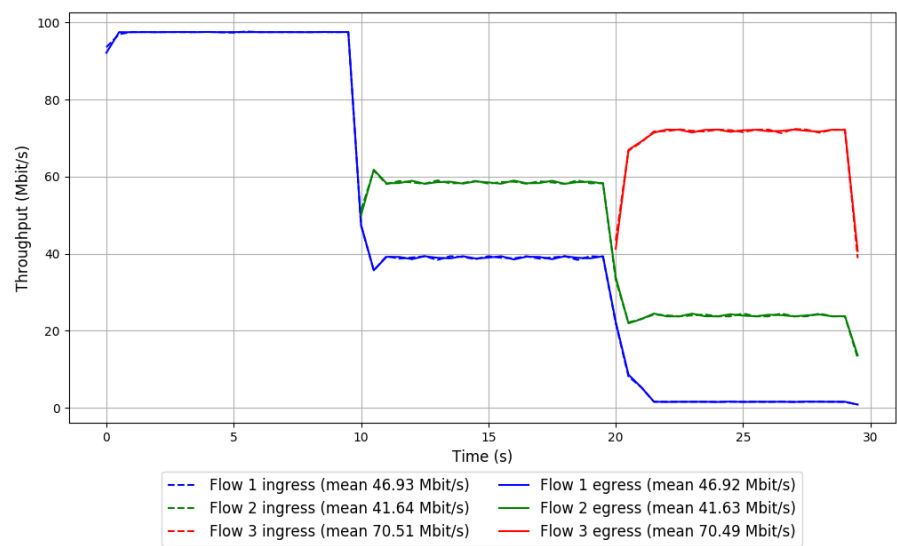


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 18:18:01  
End at: 2018-03-27 18:18:31  
Local clock offset: -6.265 ms  
Remote clock offset: -6.762 ms

# Below is generated by plot.py at 2018-03-27 21:54:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 13.026 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.92 Mbit/s  
95th percentile per-packet one-way delay: 11.218 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.63 Mbit/s  
95th percentile per-packet one-way delay: 13.338 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 70.49 Mbit/s  
95th percentile per-packet one-way delay: 13.725 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-1-32 — Data Link



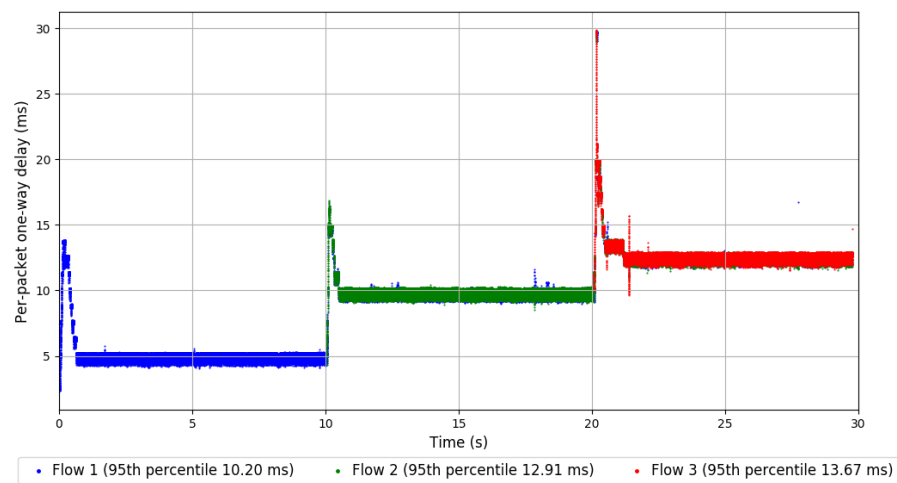
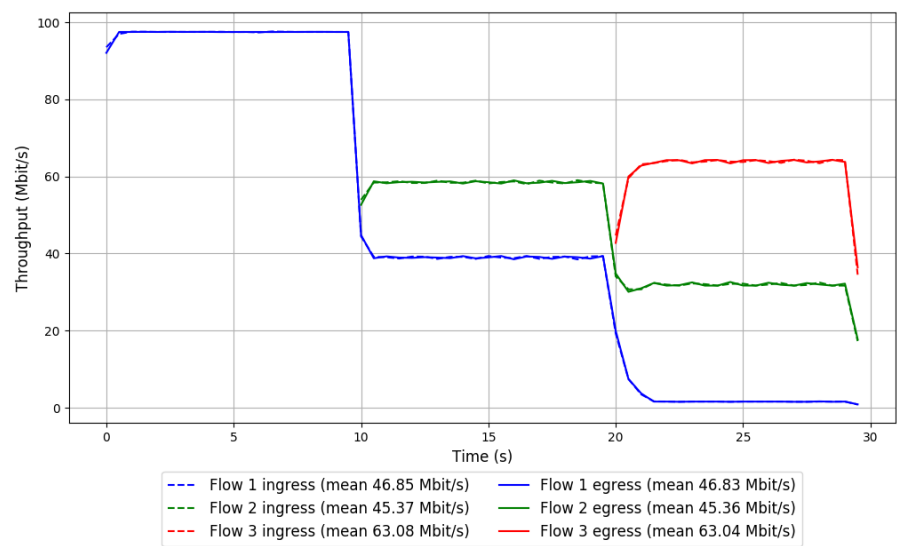
Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 18:38:34  
End at: 2018-03-27 18:39:04  
Local clock offset: -6.01 ms  
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-03-27 21:54:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 12.867 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.83 Mbit/s  
95th percentile per-packet one-way delay: 10.198 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 45.36 Mbit/s  
95th percentile per-packet one-way delay: 12.913 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 63.04 Mbit/s  
95th percentile per-packet one-way delay: 13.674 ms  
Loss rate: 0.00%



Run 3: Report of Indigo-1-32 — Data Link

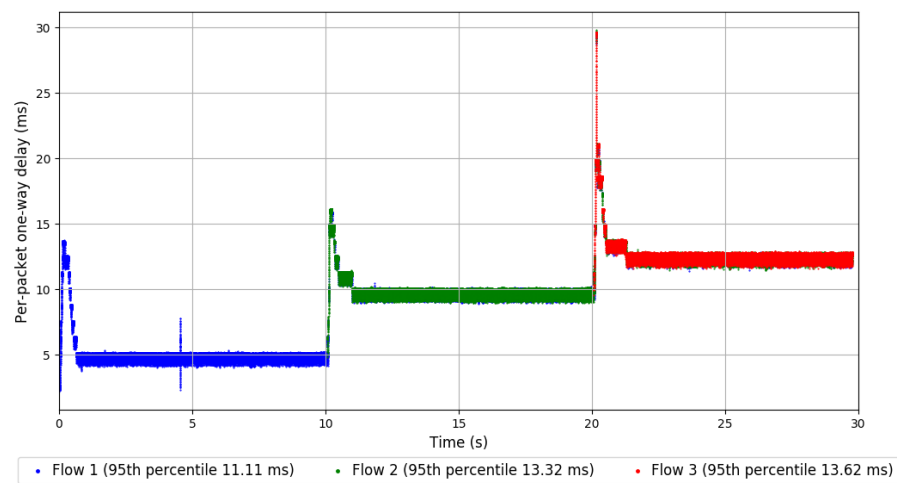
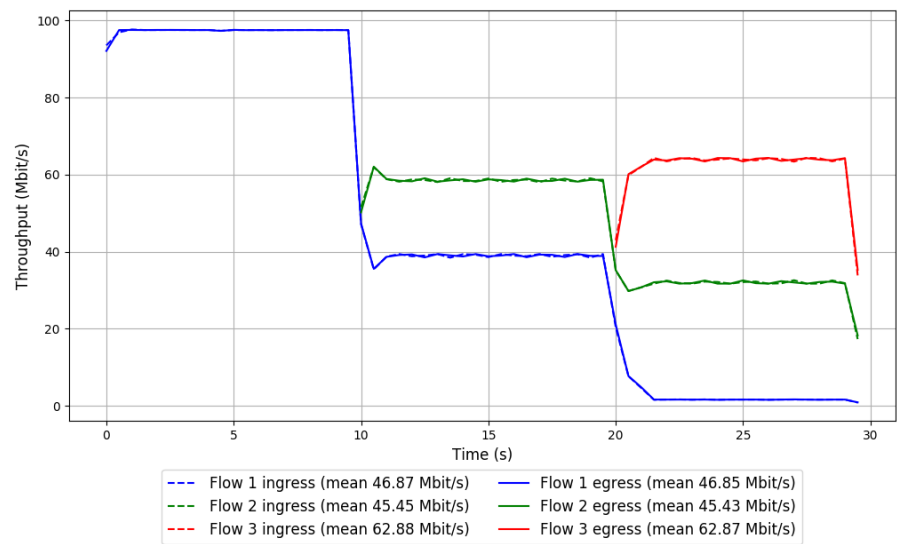


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 18:59:04  
End at: 2018-03-27 18:59:34  
Local clock offset: -5.878 ms  
Remote clock offset: -6.638 ms

# Below is generated by plot.py at 2018-03-27 21:55:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 12.808 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.85 Mbit/s  
95th percentile per-packet one-way delay: 11.106 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.43 Mbit/s  
95th percentile per-packet one-way delay: 13.325 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.87 Mbit/s  
95th percentile per-packet one-way delay: 13.616 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-1-32 — Data Link

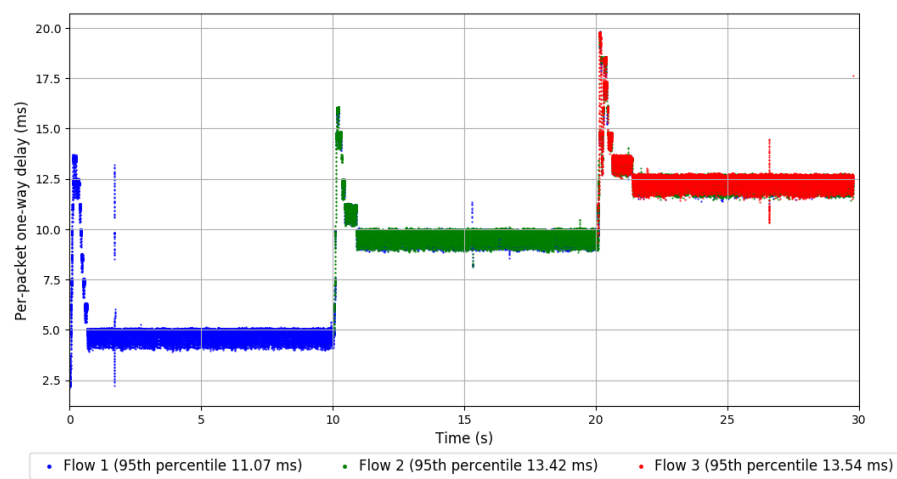
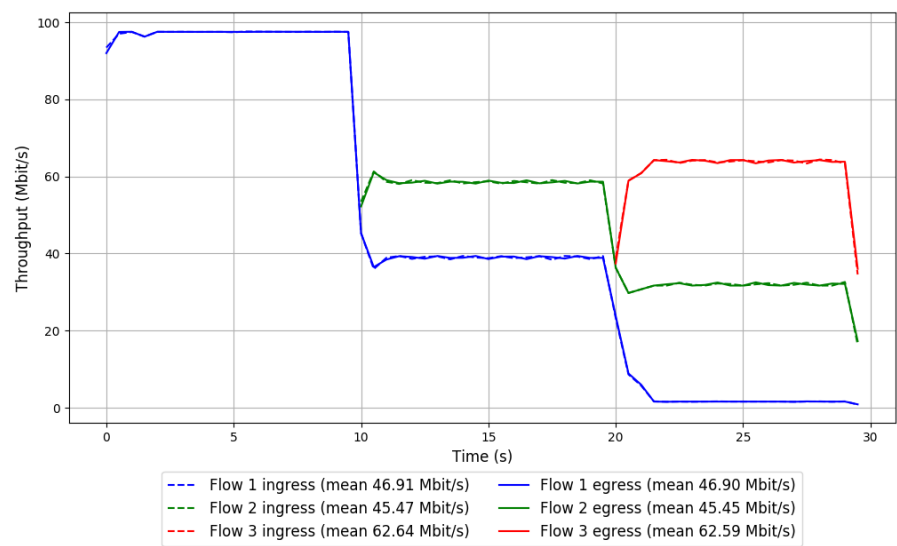


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 19:19:34  
End at: 2018-03-27 19:20:04  
Local clock offset: -6.112 ms  
Remote clock offset: -6.577 ms

# Below is generated by plot.py at 2018-03-27 21:55:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 12.994 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.90 Mbit/s  
95th percentile per-packet one-way delay: 11.066 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.45 Mbit/s  
95th percentile per-packet one-way delay: 13.418 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.59 Mbit/s  
95th percentile per-packet one-way delay: 13.535 ms  
Loss rate: 0.00%

Run 5: Report of Indigo-1-32 — Data Link

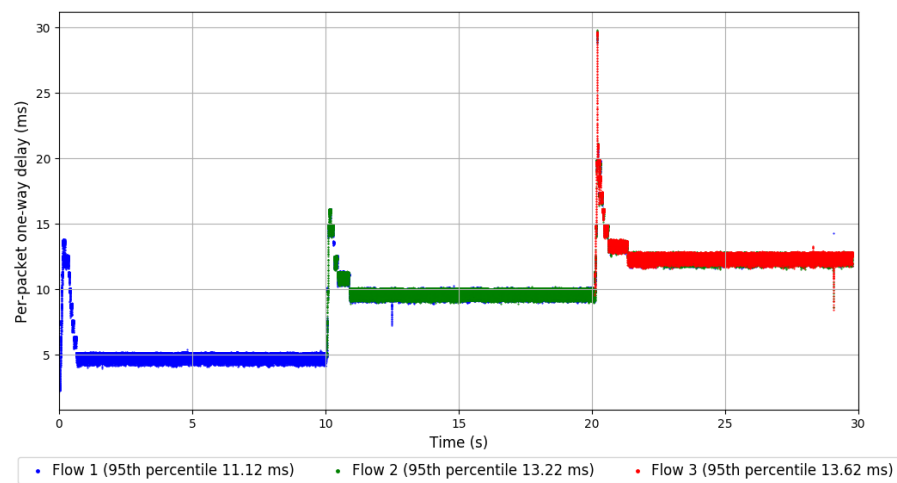
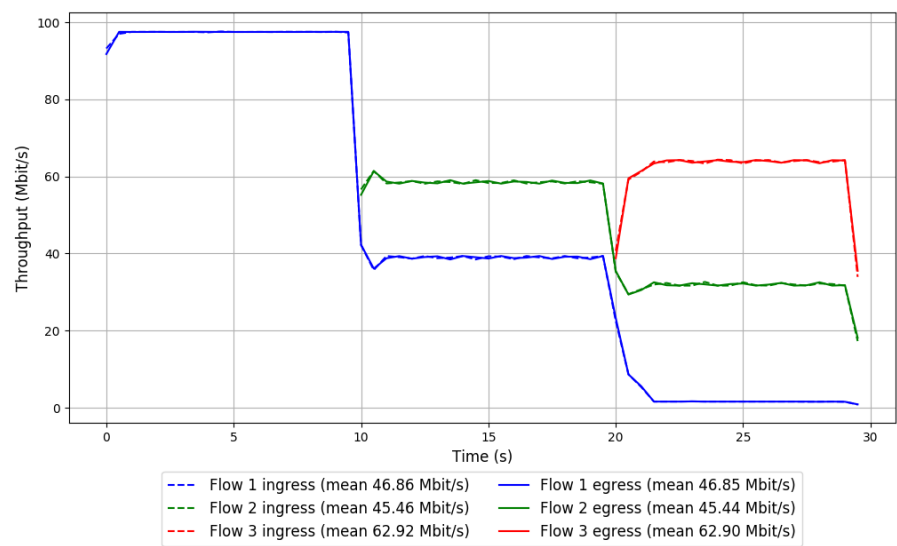


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 19:40:05  
End at: 2018-03-27 19:40:35  
Local clock offset: -6.079 ms  
Remote clock offset: -6.402 ms

# Below is generated by plot.py at 2018-03-27 21:55:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 12.825 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.85 Mbit/s  
95th percentile per-packet one-way delay: 11.123 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.44 Mbit/s  
95th percentile per-packet one-way delay: 13.223 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.90 Mbit/s  
95th percentile per-packet one-way delay: 13.616 ms  
Loss rate: 0.00%

Run 6: Report of Indigo-1-32 — Data Link



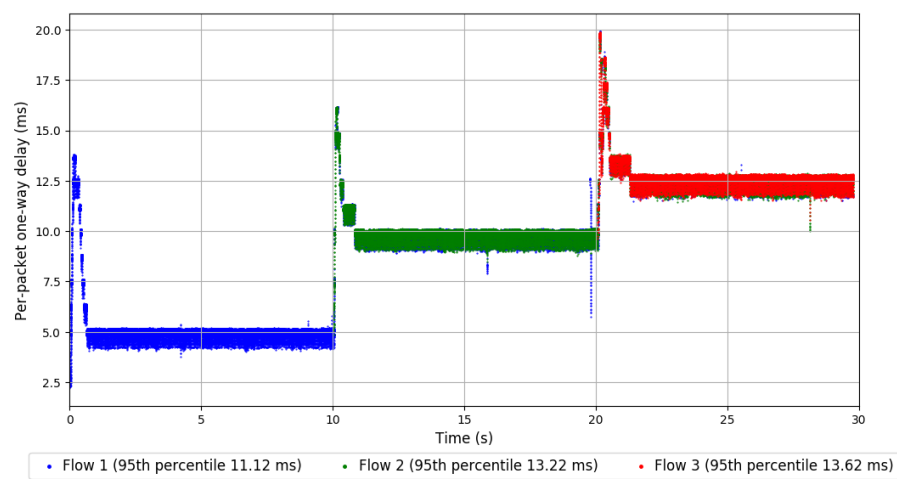
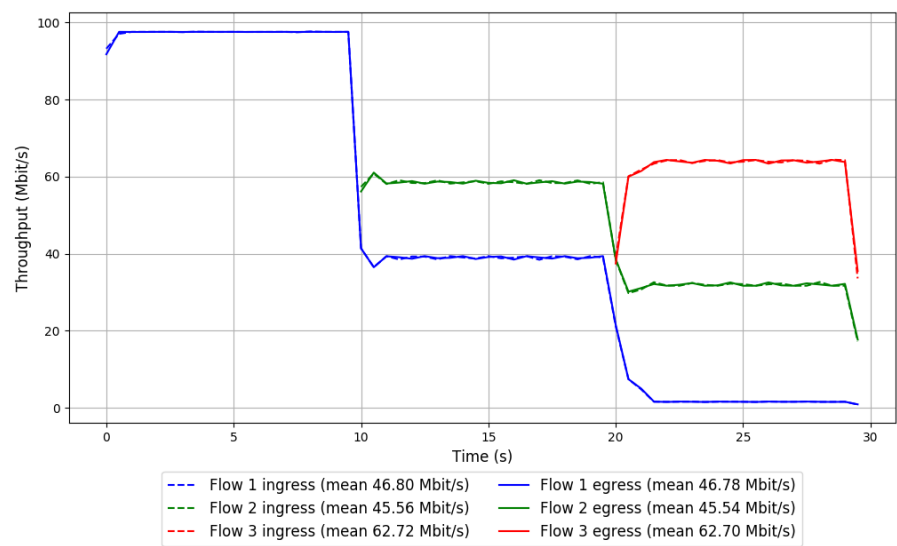
Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 20:00:36  
End at: 2018-03-27 20:01:06  
Local clock offset: -6.006 ms  
Remote clock offset: -5.304 ms

# Below is generated by plot.py at 2018-03-27 21:56:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 12.793 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.78 Mbit/s  
95th percentile per-packet one-way delay: 11.115 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.54 Mbit/s  
95th percentile per-packet one-way delay: 13.223 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.70 Mbit/s  
95th percentile per-packet one-way delay: 13.615 ms  
Loss rate: 0.00%



Run 7: Report of Indigo-1-32 — Data Link

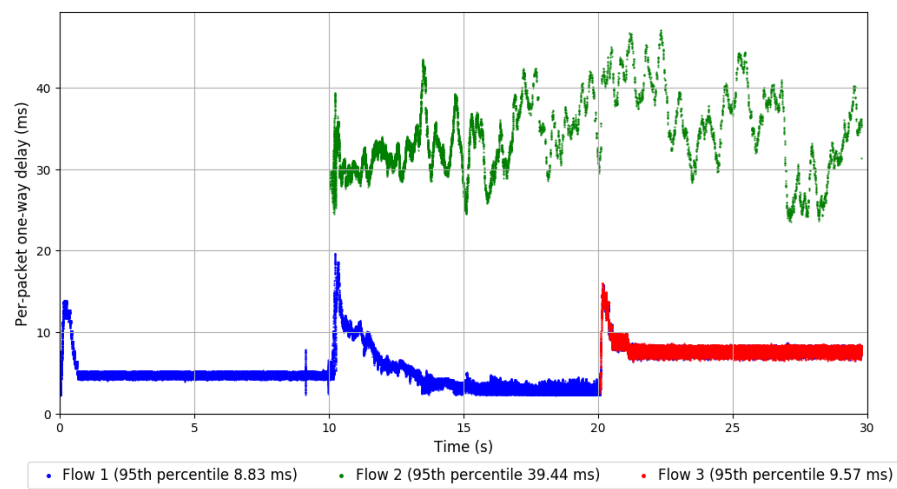
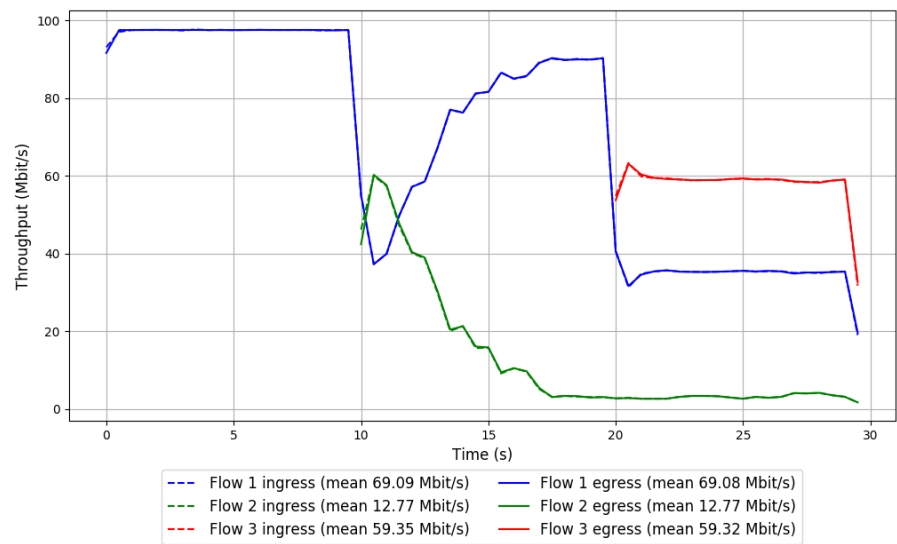


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 20:21:07  
End at: 2018-03-27 20:21:37  
Local clock offset: -6.367 ms  
Remote clock offset: -4.721 ms

# Below is generated by plot.py at 2018-03-27 21:56:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.91 Mbit/s  
95th percentile per-packet one-way delay: 30.848 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 69.08 Mbit/s  
95th percentile per-packet one-way delay: 8.829 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 12.77 Mbit/s  
95th percentile per-packet one-way delay: 39.437 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 59.32 Mbit/s  
95th percentile per-packet one-way delay: 9.574 ms  
Loss rate: 0.01%

Run 8: Report of Indigo-1-32 — Data Link

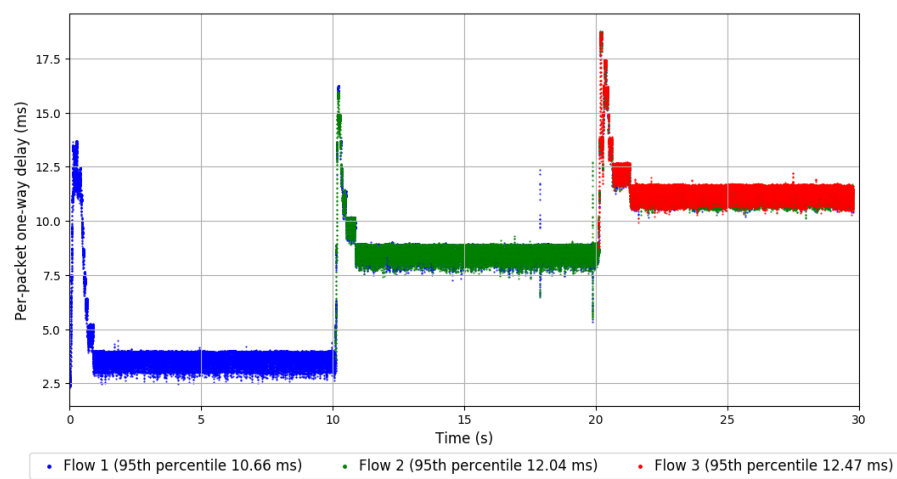
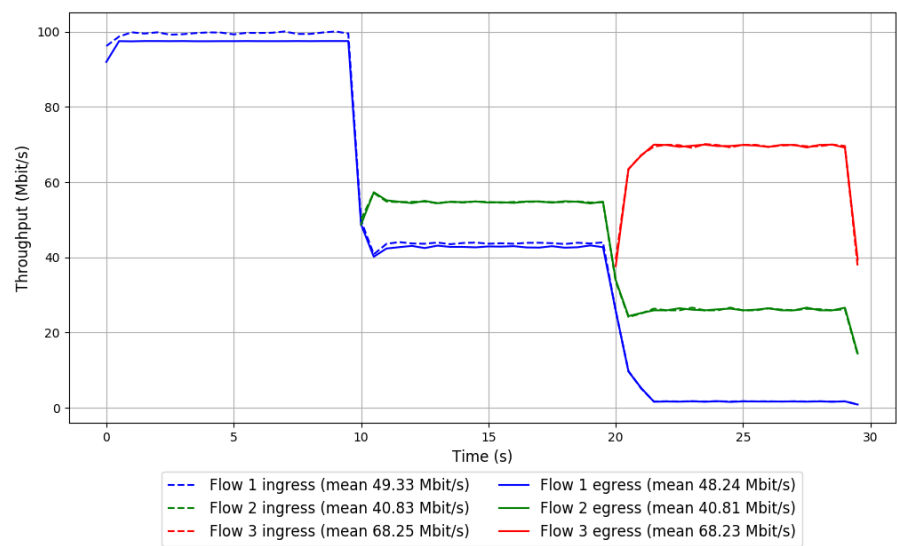


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 20:41:39  
End at: 2018-03-27 20:42:09  
Local clock offset: -6.608 ms  
Remote clock offset: -4.149 ms

# Below is generated by plot.py at 2018-03-27 21:56:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 11.975 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 48.24 Mbit/s  
95th percentile per-packet one-way delay: 10.659 ms  
Loss rate: 2.18%  
-- Flow 2:  
Average throughput: 40.81 Mbit/s  
95th percentile per-packet one-way delay: 12.044 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 68.23 Mbit/s  
95th percentile per-packet one-way delay: 12.473 ms  
Loss rate: 0.00%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 21:02:11

End at: 2018-03-27 21:02:41

Local clock offset: -6.665 ms

Remote clock offset: 0.856 ms

# Below is generated by plot.py at 2018-03-27 21:56:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 12.701 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.91 Mbit/s

95th percentile per-packet one-way delay: 11.086 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 45.50 Mbit/s

95th percentile per-packet one-way delay: 13.270 ms

Loss rate: 0.00%

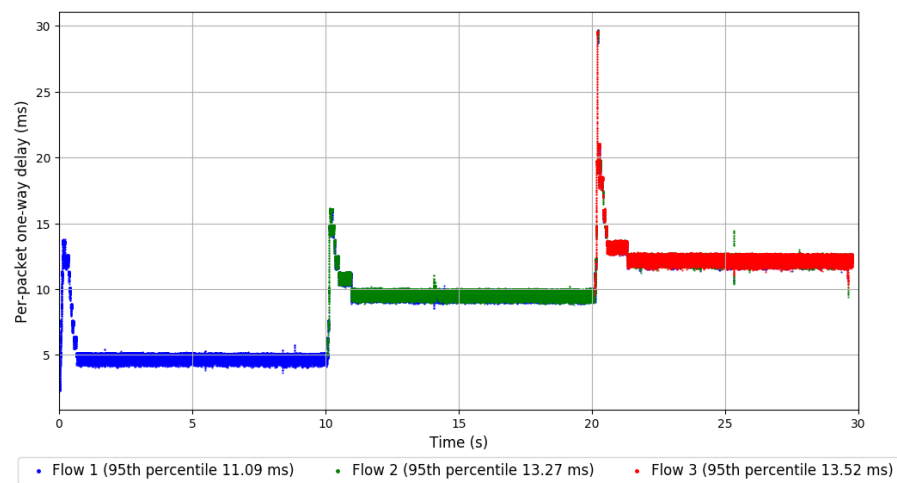
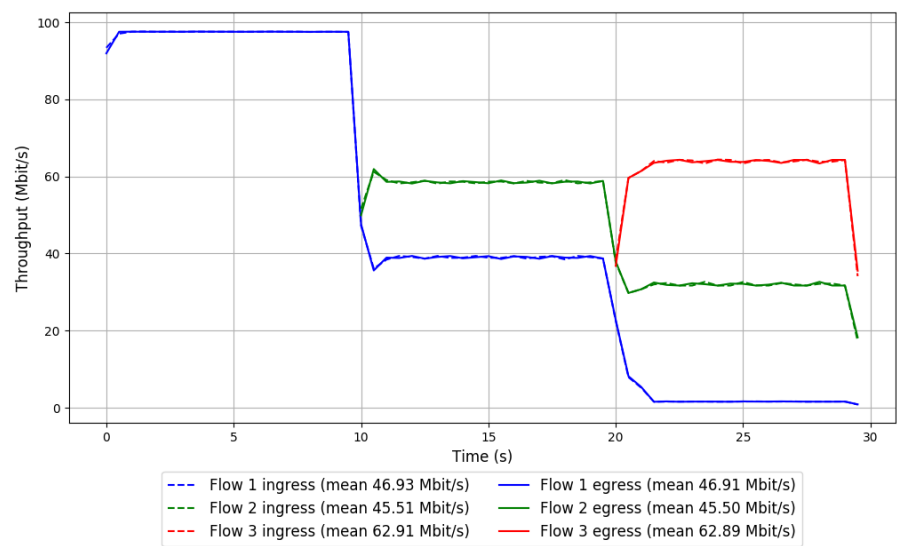
-- Flow 3:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 13.517 ms

Loss rate: 0.00%

Run 10: Report of Indigo-1-32 — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 17:55:16

End at: 2018-03-27 17:55:46

Local clock offset: -6.009 ms

Remote clock offset: -6.69 ms

# Below is generated by plot.py at 2018-03-27 21:56:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.09 Mbit/s

95th percentile per-packet one-way delay: 3.155 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 32.91 Mbit/s

95th percentile per-packet one-way delay: 2.904 ms

Loss rate: 2.30%

-- Flow 2:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 3.299 ms

Loss rate: 0.00%

-- Flow 3:

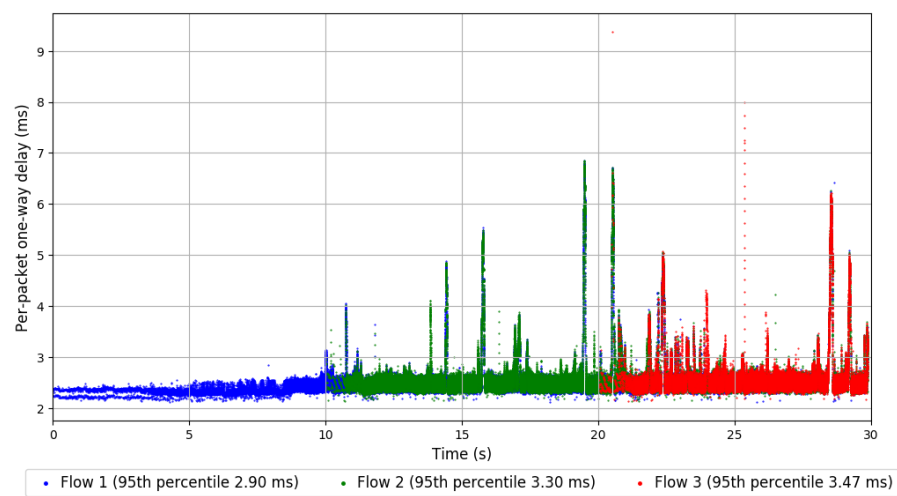
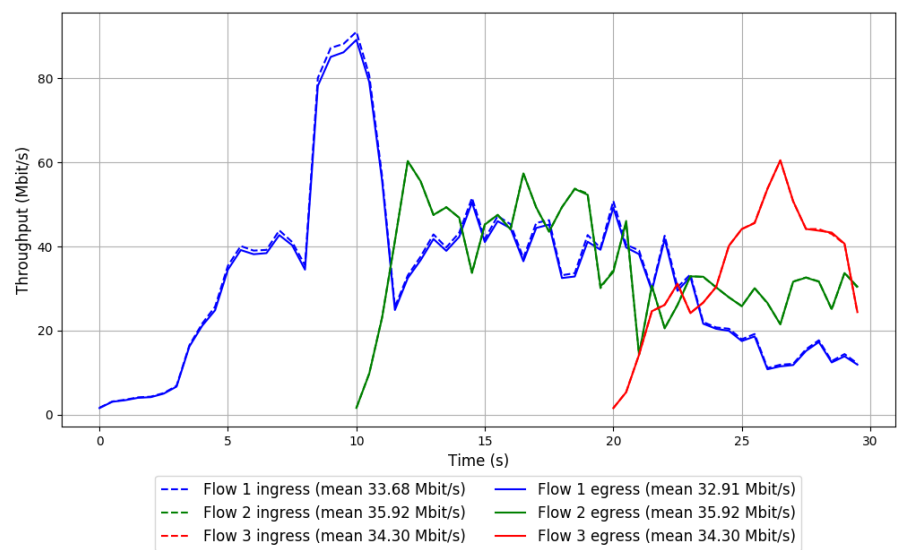
Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 3.467 ms

Loss rate: 0.00%



Run 1: Report of Vivace-latency — Data Link

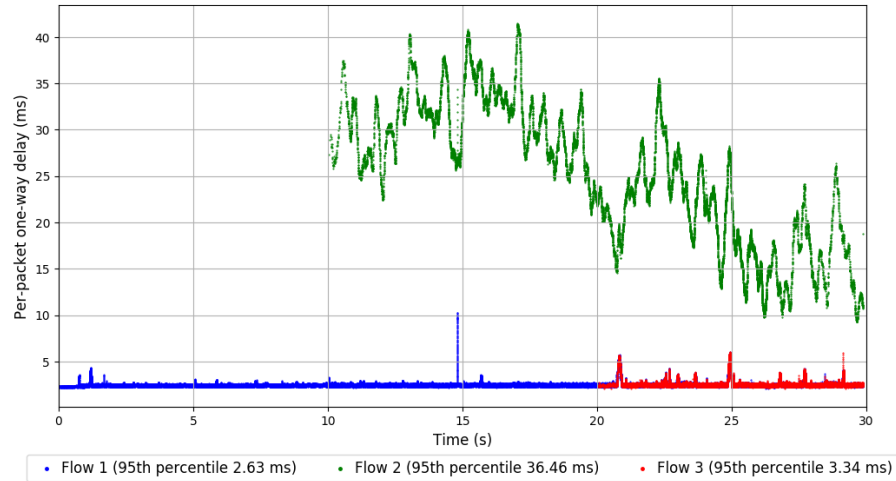
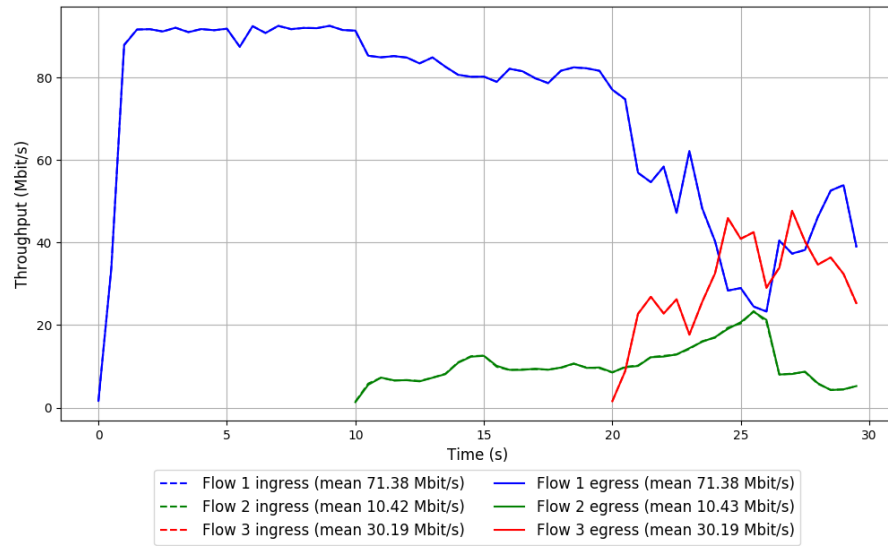


Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 18:15:48  
End at: 2018-03-27 18:16:18  
Local clock offset: -6.164 ms  
Remote clock offset: -6.818 ms

# Below is generated by plot.py at 2018-03-27 21:56:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.22 Mbit/s  
95th percentile per-packet one-way delay: 22.724 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 71.38 Mbit/s  
95th percentile per-packet one-way delay: 2.629 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 10.43 Mbit/s  
95th percentile per-packet one-way delay: 36.461 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 30.19 Mbit/s  
95th percentile per-packet one-way delay: 3.342 ms  
Loss rate: 0.00%

## Run 2: Report of Vivace-latency — Data Link

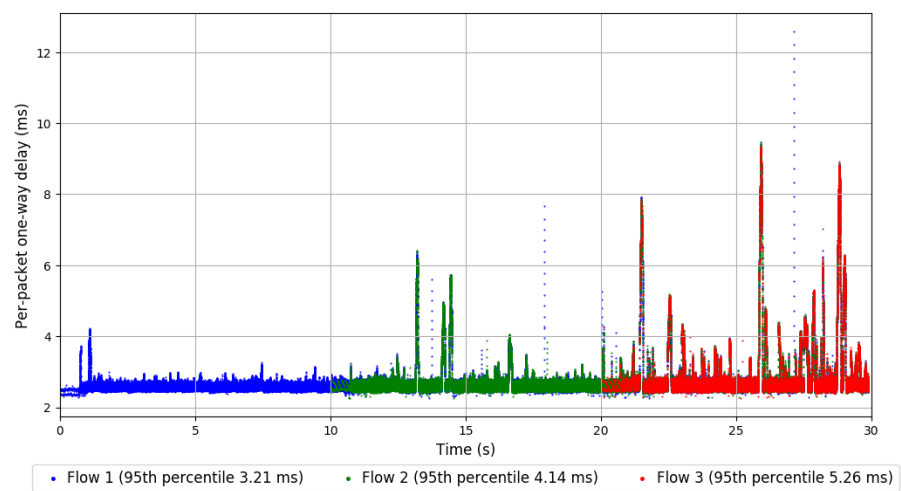
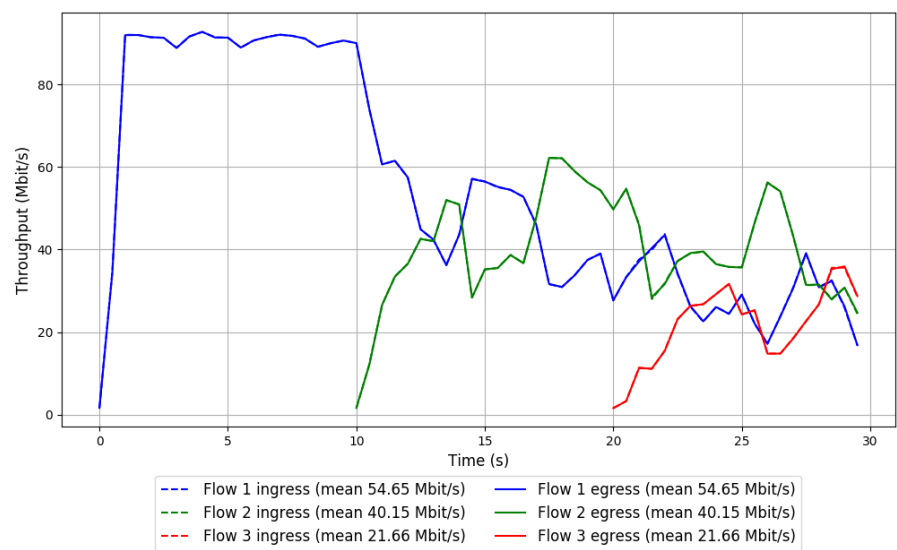


Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 18:36:20  
End at: 2018-03-27 18:36:50  
Local clock offset: -6.031 ms  
Remote clock offset: -6.752 ms

# Below is generated by plot.py at 2018-03-27 21:56:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.48 Mbit/s  
95th percentile per-packet one-way delay: 3.761 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 54.65 Mbit/s  
95th percentile per-packet one-way delay: 3.207 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.15 Mbit/s  
95th percentile per-packet one-way delay: 4.142 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 21.66 Mbit/s  
95th percentile per-packet one-way delay: 5.263 ms  
Loss rate: 0.01%

Run 3: Report of Vivace-latency — Data Link

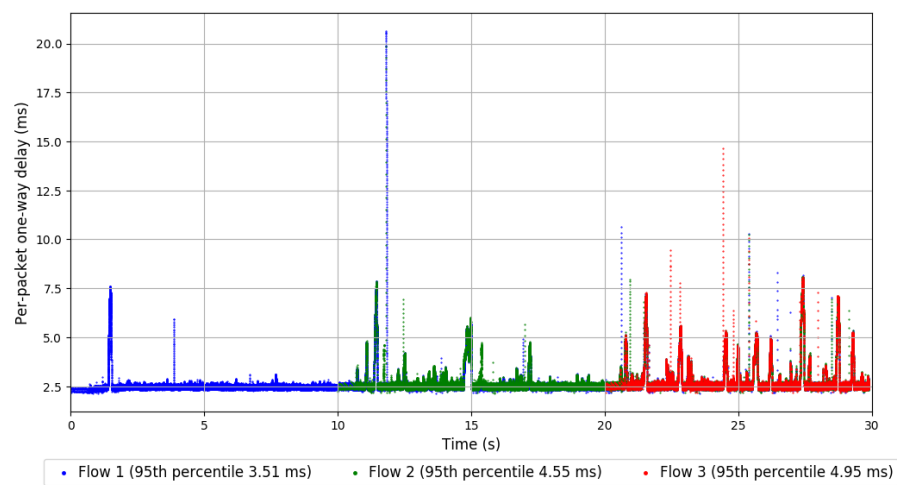
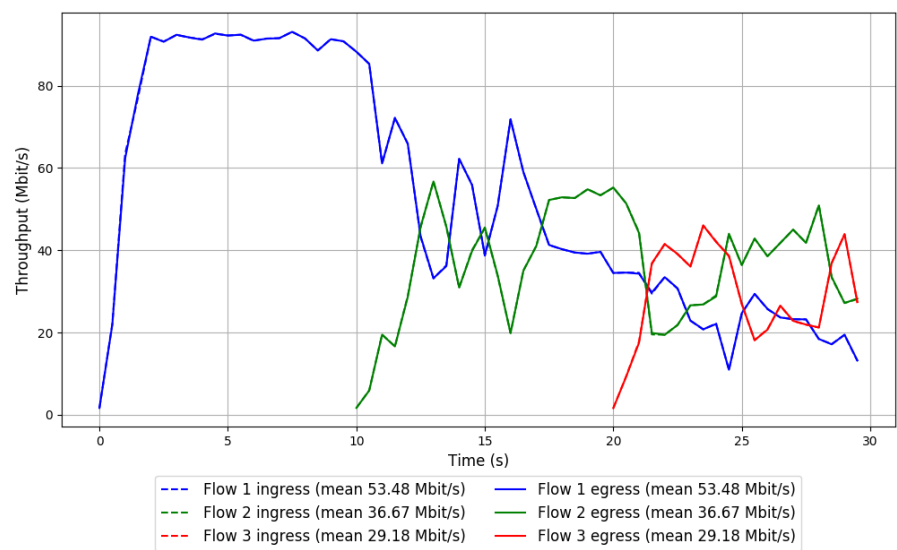


Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 18:56:50  
End at: 2018-03-27 18:57:20  
Local clock offset: -5.848 ms  
Remote clock offset: -6.625 ms

# Below is generated by plot.py at 2018-03-27 21:56:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.49 Mbit/s  
95th percentile per-packet one-way delay: 4.181 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.48 Mbit/s  
95th percentile per-packet one-way delay: 3.508 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.67 Mbit/s  
95th percentile per-packet one-way delay: 4.553 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 29.18 Mbit/s  
95th percentile per-packet one-way delay: 4.953 ms  
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



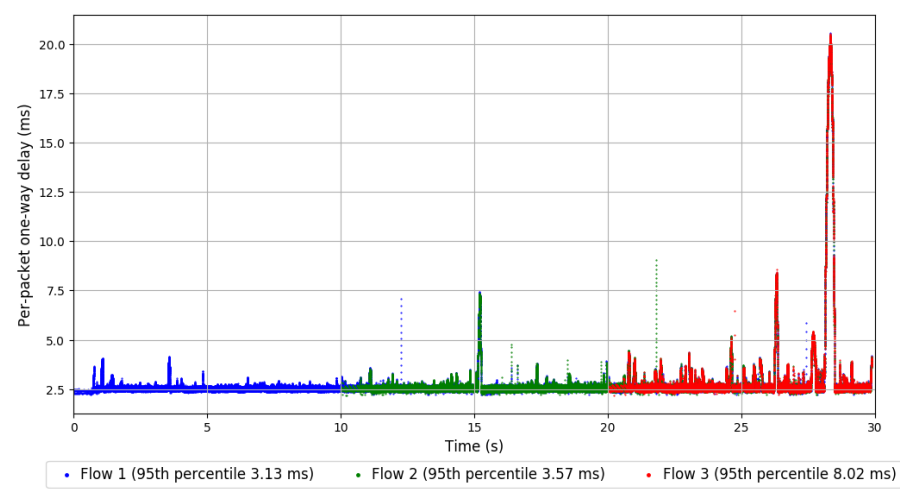
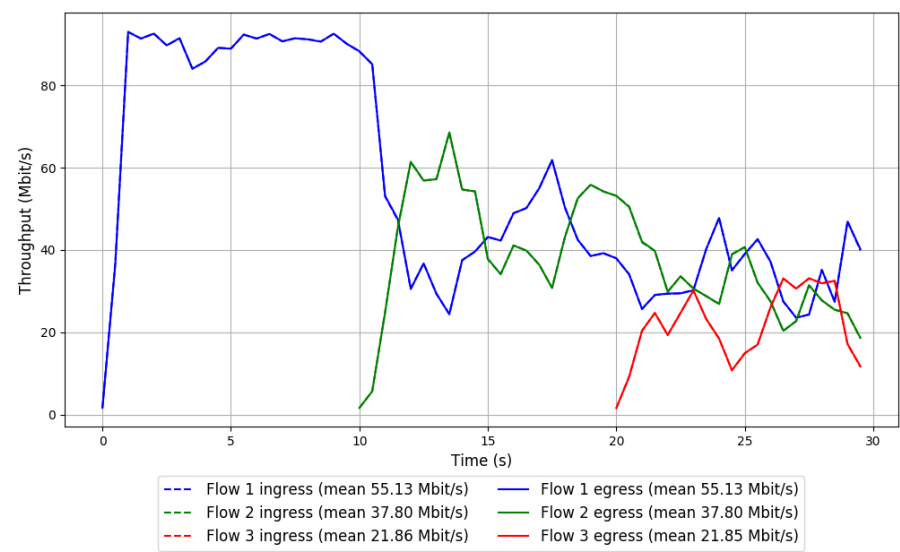
Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 19:17:21  
End at: 2018-03-27 19:17:51  
Local clock offset: -6.179 ms  
Remote clock offset: -6.533 ms

# Below is generated by plot.py at 2018-03-27 21:57:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.47 Mbit/s  
95th percentile per-packet one-way delay: 3.458 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.13 Mbit/s  
95th percentile per-packet one-way delay: 3.132 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 37.80 Mbit/s  
95th percentile per-packet one-way delay: 3.567 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 21.85 Mbit/s  
95th percentile per-packet one-way delay: 8.024 ms  
Loss rate: 0.00%



Run 5: Report of Vivace-latency — Data Link

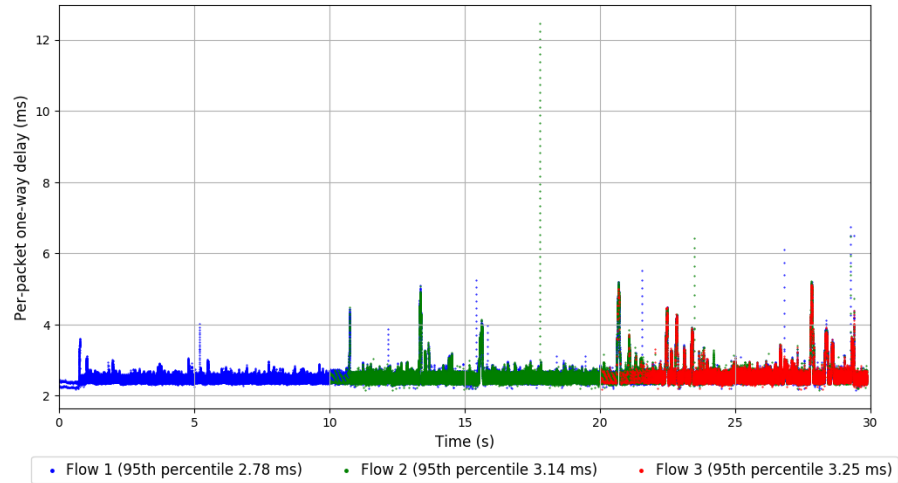
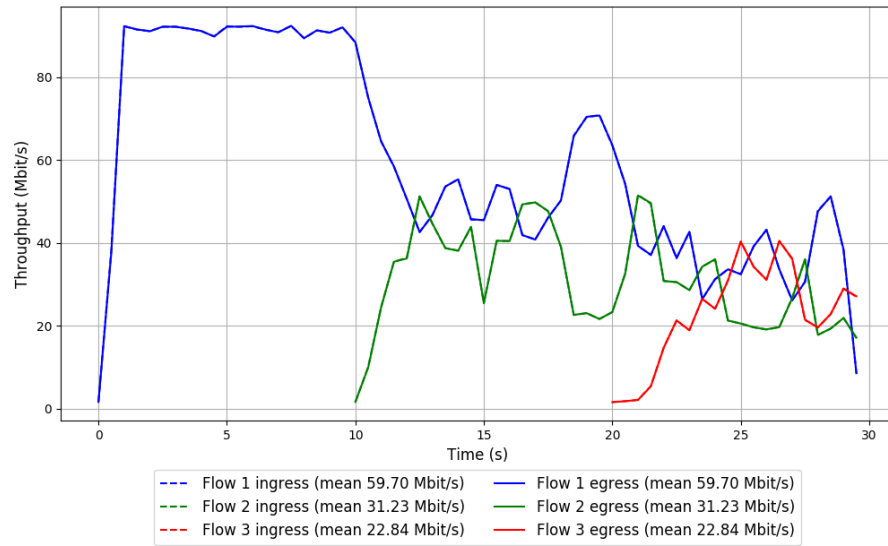


Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 19:37:52  
End at: 2018-03-27 19:38:22  
Local clock offset: -6.098 ms  
Remote clock offset: -6.394 ms

# Below is generated by plot.py at 2018-03-27 21:57:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.99 Mbit/s  
95th percentile per-packet one-way delay: 2.906 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.70 Mbit/s  
95th percentile per-packet one-way delay: 2.778 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 31.23 Mbit/s  
95th percentile per-packet one-way delay: 3.136 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 22.84 Mbit/s  
95th percentile per-packet one-way delay: 3.246 ms  
Loss rate: 0.00%

# Run 6: Report of Vivace-latency — Data Link

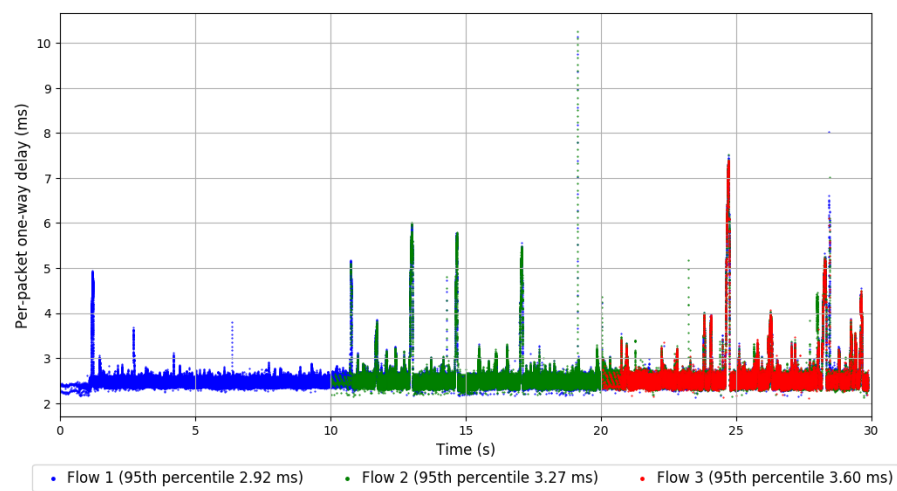
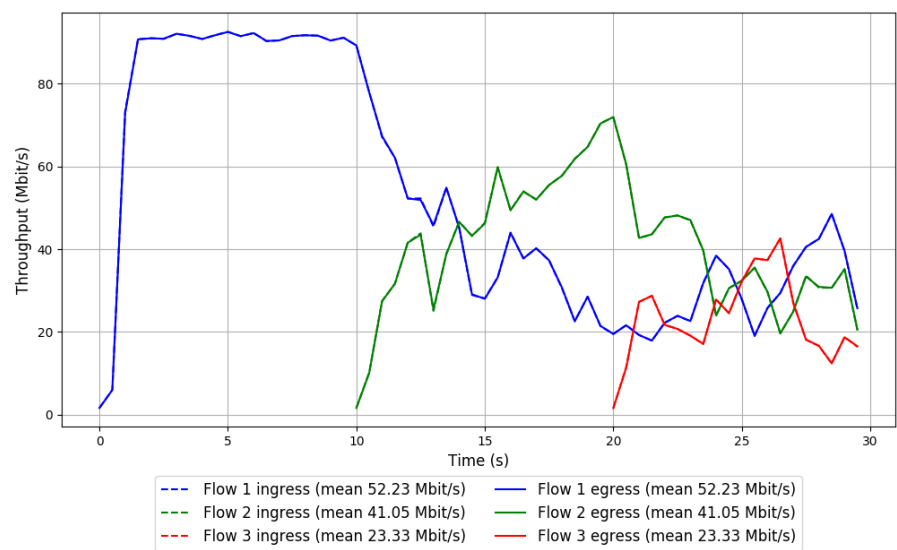


Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 19:58:23  
End at: 2018-03-27 19:58:53  
Local clock offset: -5.983 ms  
Remote clock offset: -5.359 ms

```
# Below is generated by plot.py at 2018-03-27 21:57:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 3.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 2.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 3.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 3.603 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 20:18:53

End at: 2018-03-27 20:19:23

Local clock offset: -6.362 ms

Remote clock offset: -4.77 ms

# Below is generated by plot.py at 2018-03-27 21:57:42

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.73 Mbit/s

95th percentile per-packet one-way delay: 3.264 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.57 Mbit/s

95th percentile per-packet one-way delay: 2.937 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 3.530 ms

Loss rate: 0.00%

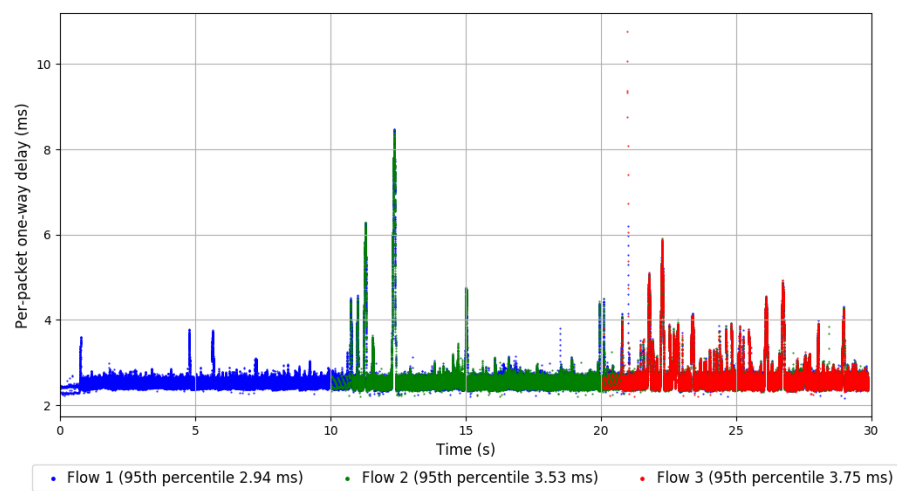
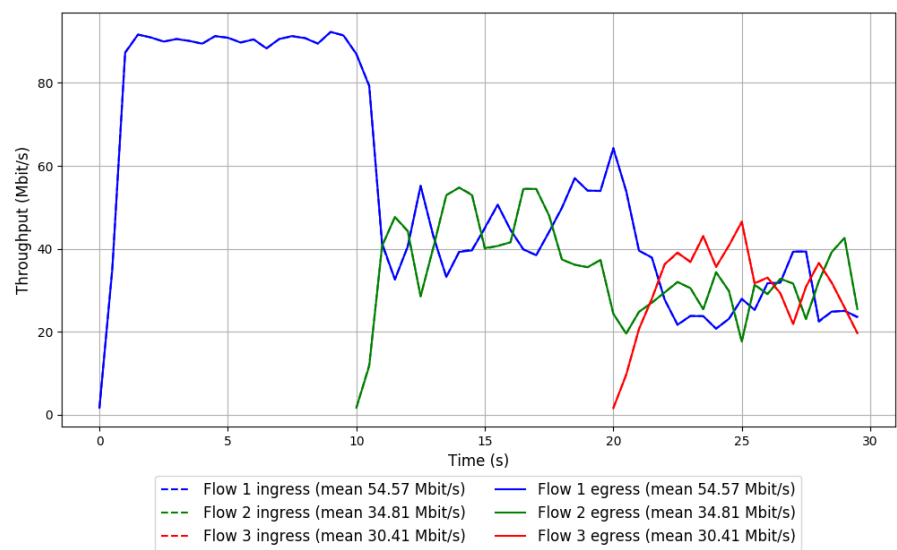
-- Flow 3:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 3.749 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



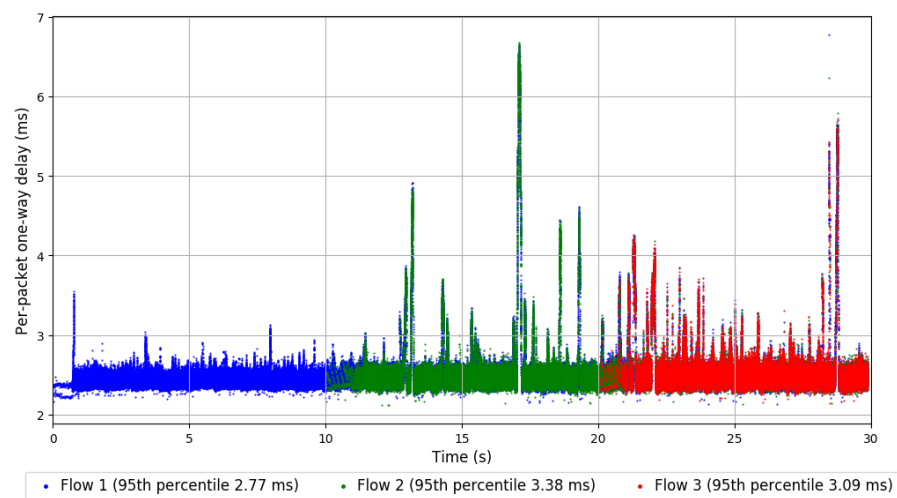
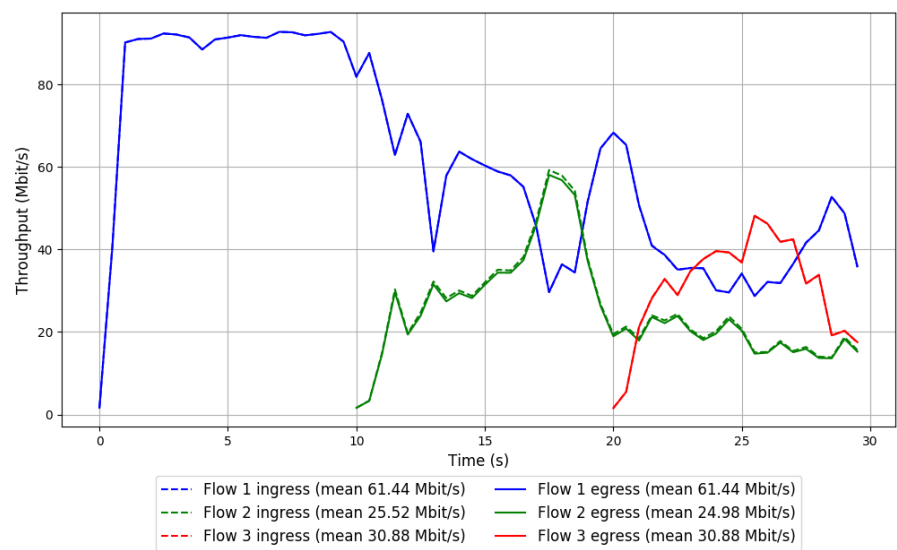
Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 20:39:25  
End at: 2018-03-27 20:39:56  
Local clock offset: -6.481 ms  
Remote clock offset: -4.194 ms

# Below is generated by plot.py at 2018-03-27 21:57:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.22 Mbit/s  
95th percentile per-packet one-way delay: 2.941 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 61.44 Mbit/s  
95th percentile per-packet one-way delay: 2.774 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 24.98 Mbit/s  
95th percentile per-packet one-way delay: 3.385 ms  
Loss rate: 2.14%  
-- Flow 3:  
Average throughput: 30.88 Mbit/s  
95th percentile per-packet one-way delay: 3.088 ms  
Loss rate: 0.00%



Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 20:59:58

End at: 2018-03-27 21:00:28

Local clock offset: -6.551 ms

Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2018-03-27 21:57:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 3.499 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 2.863 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.83 Mbit/s

95th percentile per-packet one-way delay: 3.961 ms

Loss rate: 0.00%

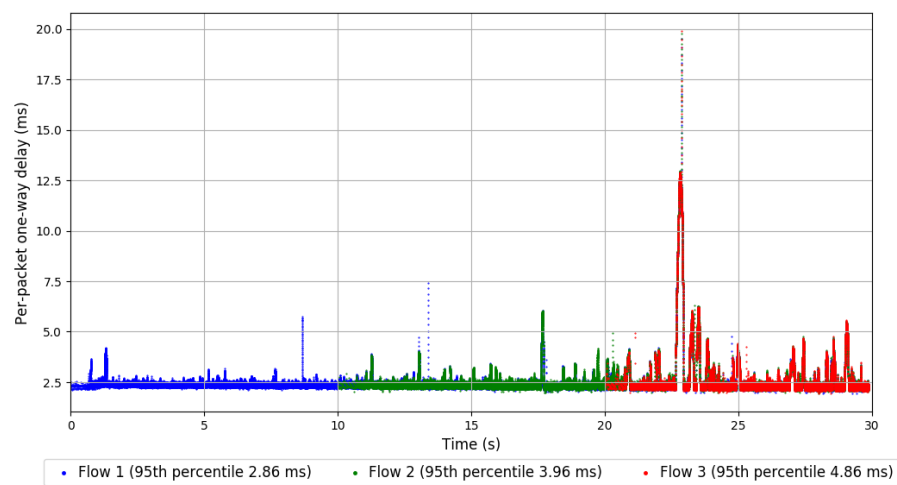
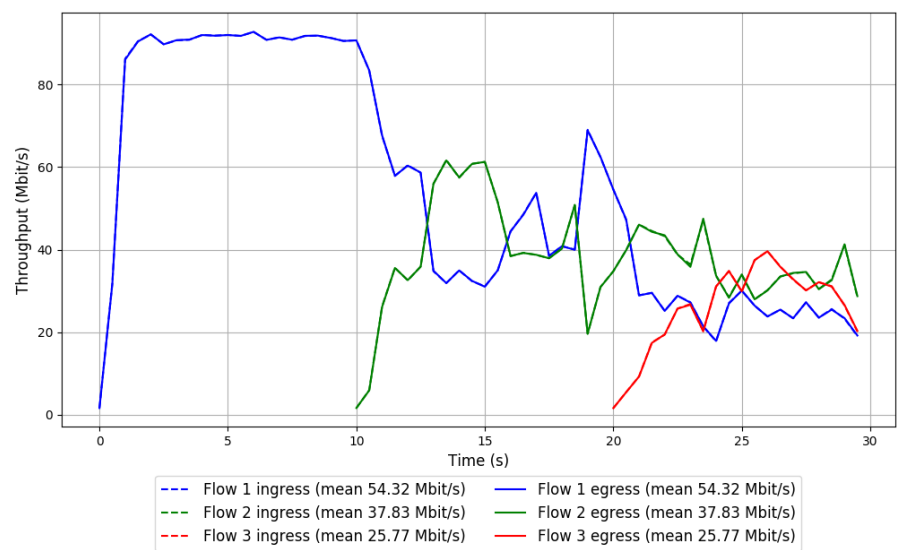
-- Flow 3:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 4.863 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

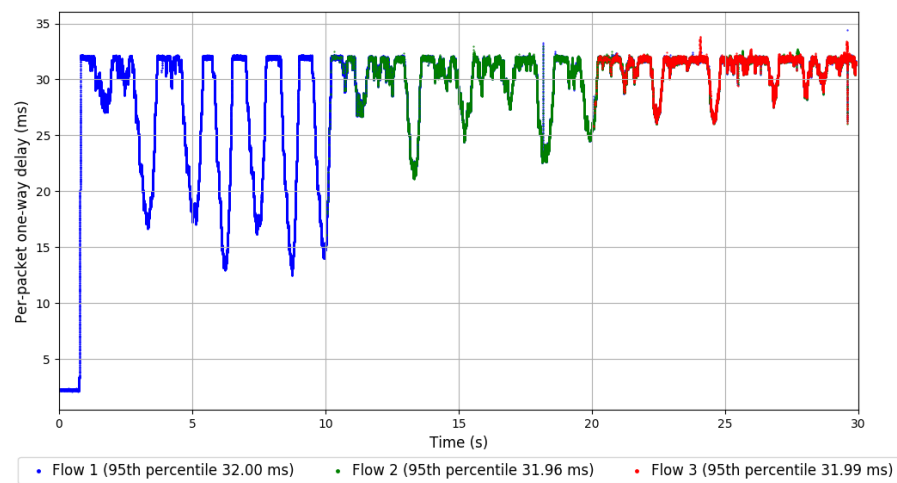
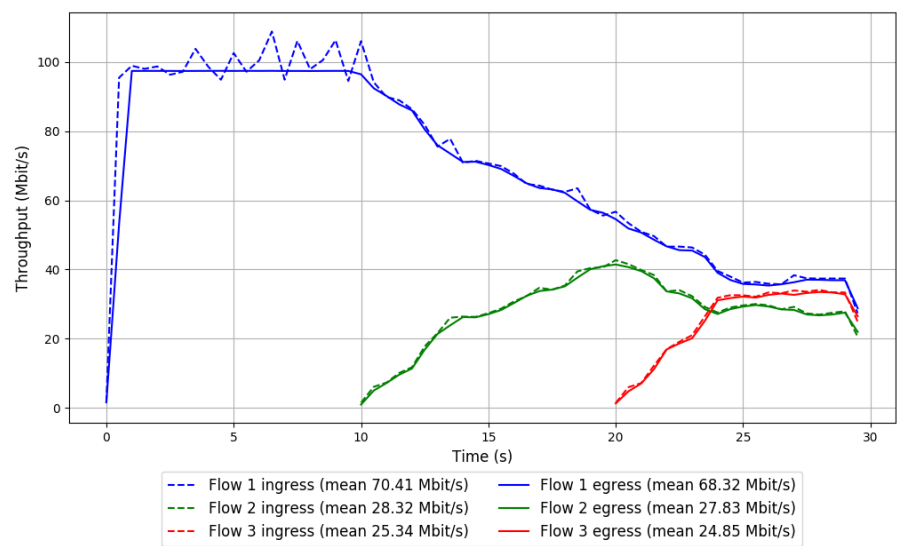


Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 17:48:26  
End at: 2018-03-27 17:48:56  
Local clock offset: -5.868 ms  
Remote clock offset: -6.729 ms

# Below is generated by plot.py at 2018-03-27 21:58:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.03 Mbit/s  
95th percentile per-packet one-way delay: 31.996 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 68.32 Mbit/s  
95th percentile per-packet one-way delay: 32.003 ms  
Loss rate: 2.87%  
-- Flow 2:  
Average throughput: 27.83 Mbit/s  
95th percentile per-packet one-way delay: 31.960 ms  
Loss rate: 1.66%  
-- Flow 3:  
Average throughput: 24.85 Mbit/s  
95th percentile per-packet one-way delay: 31.991 ms  
Loss rate: 1.89%

Run 1: Report of Vivace-loss — Data Link

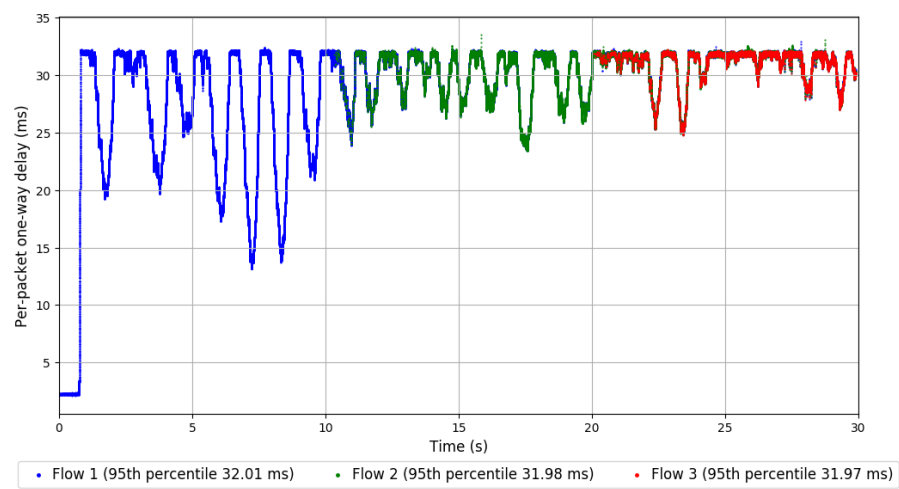
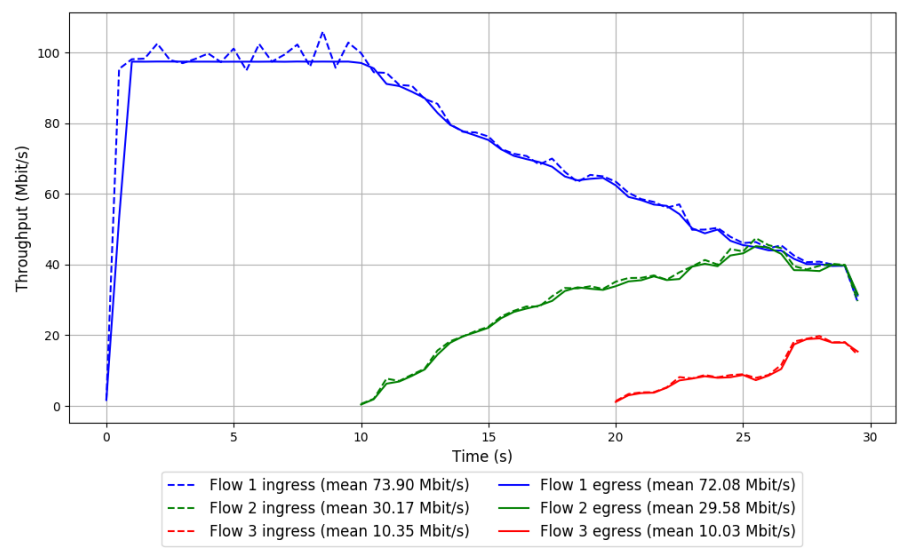


Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 18:08:58  
End at: 2018-03-27 18:09:28  
Local clock offset: -6.115 ms  
Remote clock offset: -6.803 ms

# Below is generated by plot.py at 2018-03-27 21:58:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.03 Mbit/s  
95th percentile per-packet one-way delay: 32.007 ms  
Loss rate: 2.31%  
-- Flow 1:  
Average throughput: 72.08 Mbit/s  
95th percentile per-packet one-way delay: 32.014 ms  
Loss rate: 2.37%  
-- Flow 2:  
Average throughput: 29.58 Mbit/s  
95th percentile per-packet one-way delay: 31.982 ms  
Loss rate: 1.97%  
-- Flow 3:  
Average throughput: 10.03 Mbit/s  
95th percentile per-packet one-way delay: 31.972 ms  
Loss rate: 3.07%

Run 2: Report of Vivace-loss — Data Link



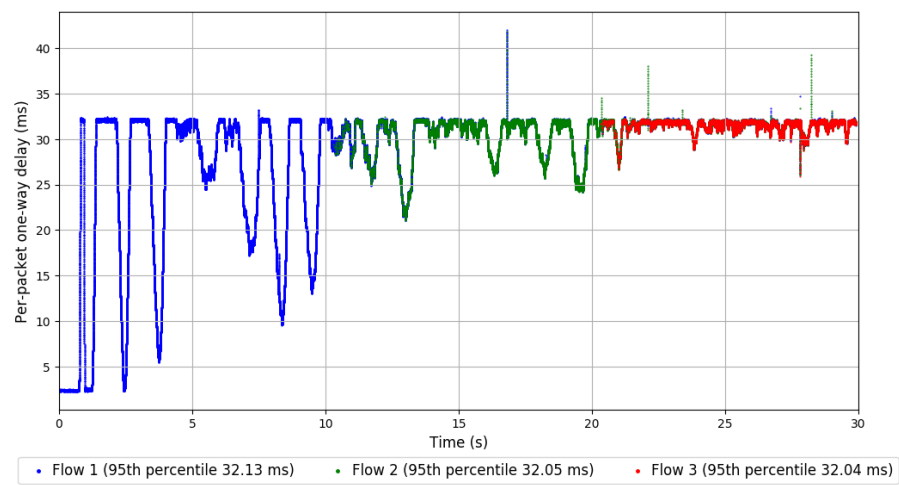
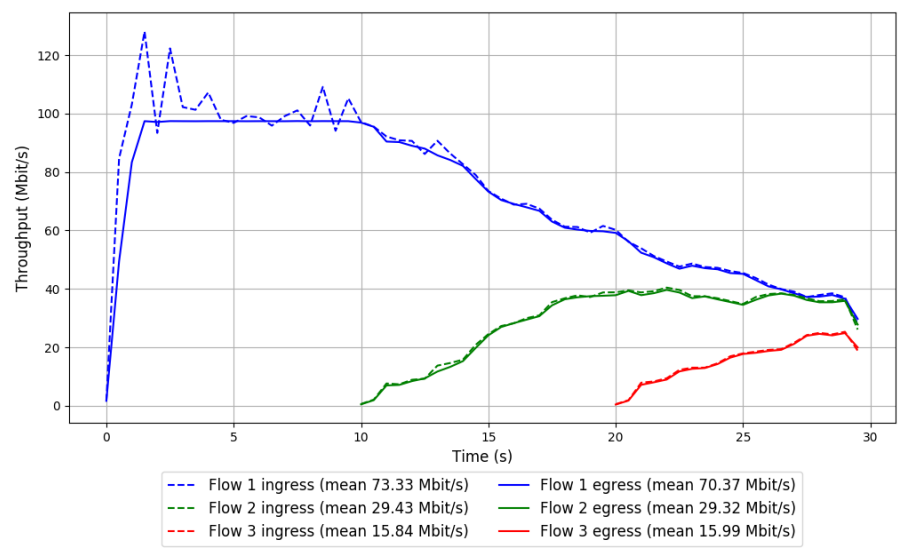
Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 18:29:30  
End at: 2018-03-27 18:30:00  
Local clock offset: -6.099 ms  
Remote clock offset: -6.868 ms

# Below is generated by plot.py at 2018-03-27 21:58:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.73 Mbit/s  
95th percentile per-packet one-way delay: 32.113 ms  
Loss rate: 3.36%  
-- Flow 1:  
Average throughput: 70.37 Mbit/s  
95th percentile per-packet one-way delay: 32.126 ms  
Loss rate: 3.94%  
-- Flow 2:  
Average throughput: 29.32 Mbit/s  
95th percentile per-packet one-way delay: 32.055 ms  
Loss rate: 1.63%  
-- Flow 3:  
Average throughput: 15.99 Mbit/s  
95th percentile per-packet one-way delay: 32.037 ms  
Loss rate: 1.72%



Run 3: Report of Vivace-loss — Data Link

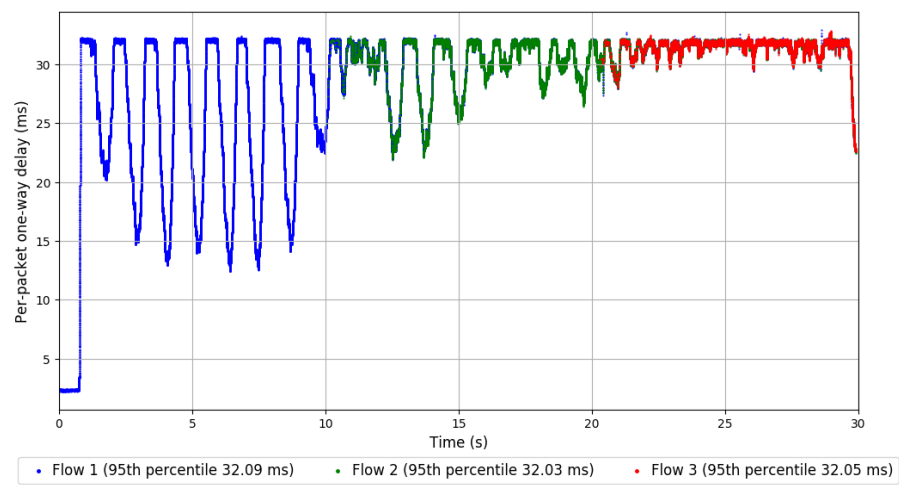
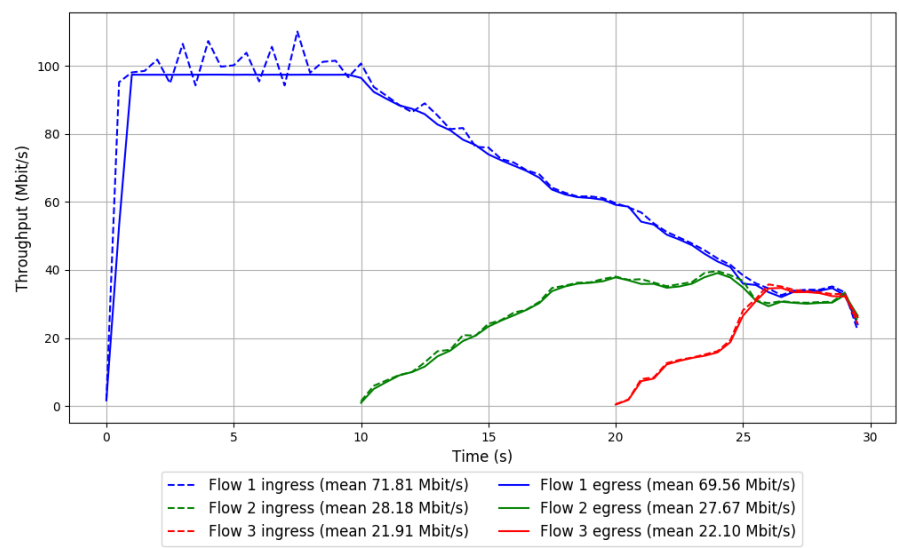


Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 18:50:02  
End at: 2018-03-27 18:50:32  
Local clock offset: -5.857 ms  
Remote clock offset: -6.672 ms

```
# Below is generated by plot.py at 2018-03-27 21:59:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.080 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 32.090 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 32.034 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 1.82%
```

Run 4: Report of Vivace-loss — Data Link

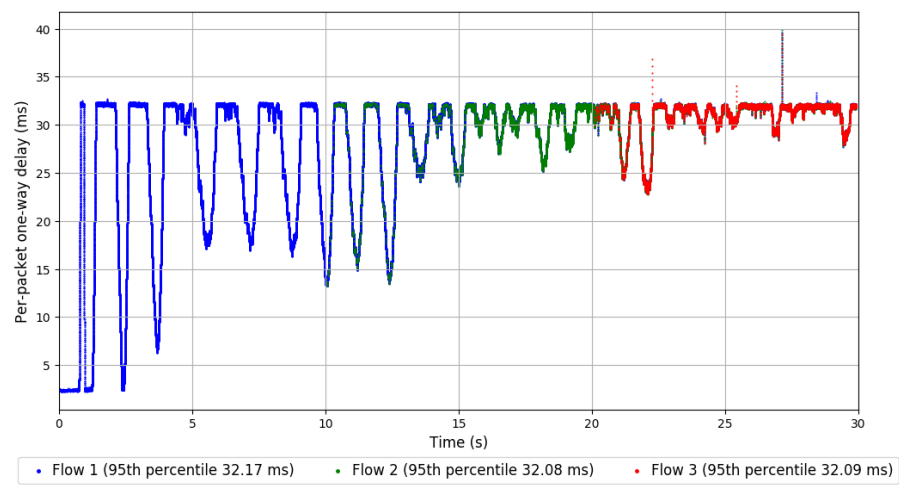
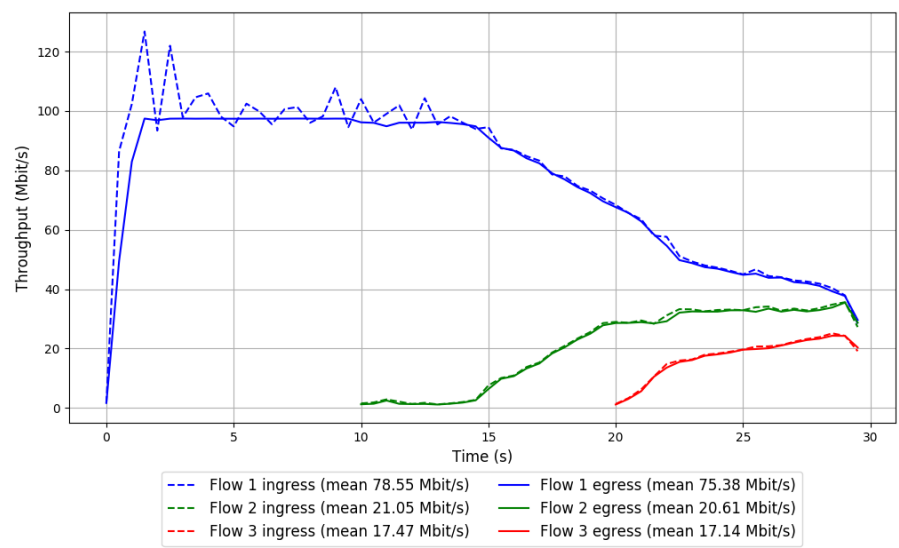


Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 19:10:31  
End at: 2018-03-27 19:11:01  
Local clock offset: -6.11 ms  
Remote clock offset: -6.596 ms

# Below is generated by plot.py at 2018-03-27 21:59:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.72 Mbit/s  
95th percentile per-packet one-way delay: 32.161 ms  
Loss rate: 3.55%  
-- Flow 1:  
Average throughput: 75.38 Mbit/s  
95th percentile per-packet one-way delay: 32.172 ms  
Loss rate: 3.95%  
-- Flow 2:  
Average throughput: 20.61 Mbit/s  
95th percentile per-packet one-way delay: 32.080 ms  
Loss rate: 2.02%  
-- Flow 3:  
Average throughput: 17.14 Mbit/s  
95th percentile per-packet one-way delay: 32.095 ms  
Loss rate: 1.87%

Run 5: Report of Vivace-loss — Data Link

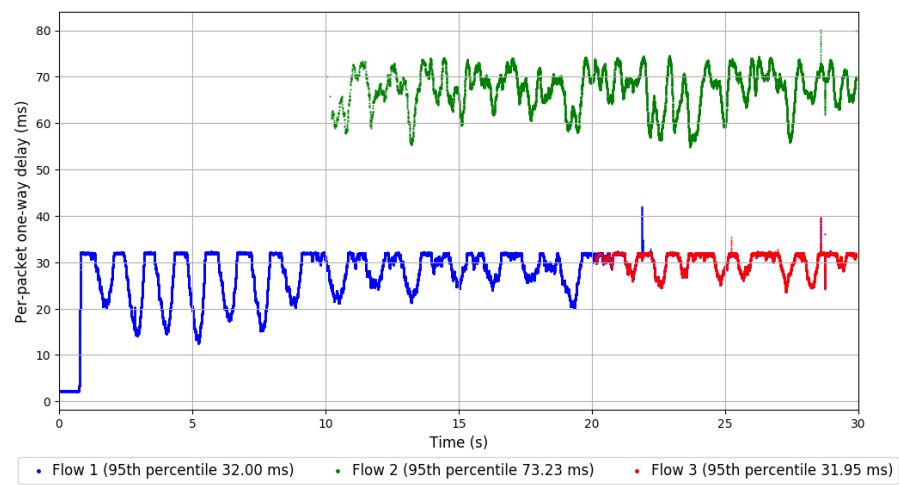
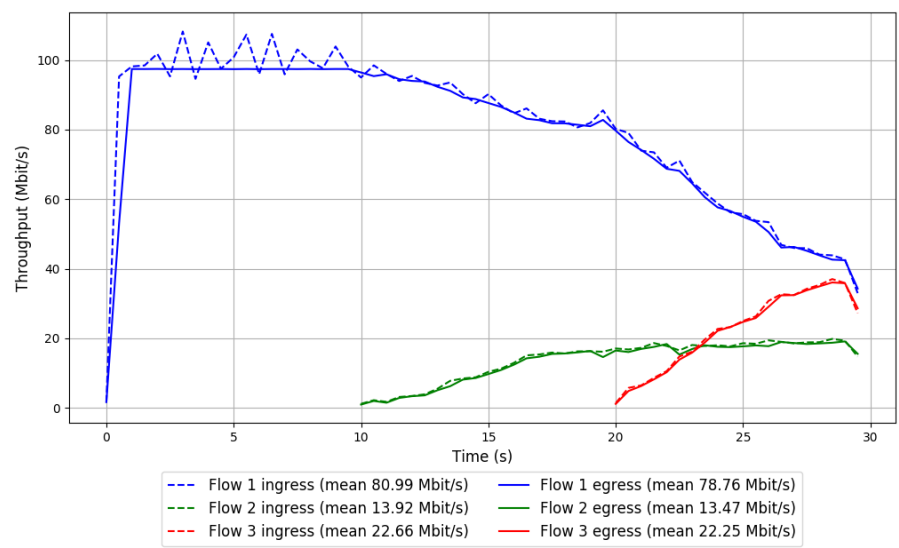


Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 19:31:02  
End at: 2018-03-27 19:31:32  
Local clock offset: -6.167 ms  
Remote clock offset: -6.513 ms

# Below is generated by plot.py at 2018-03-27 21:59:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.00 Mbit/s  
95th percentile per-packet one-way delay: 67.965 ms  
Loss rate: 2.65%  
-- Flow 1:  
Average throughput: 78.76 Mbit/s  
95th percentile per-packet one-way delay: 31.997 ms  
Loss rate: 2.66%  
-- Flow 2:  
Average throughput: 13.47 Mbit/s  
95th percentile per-packet one-way delay: 73.232 ms  
Loss rate: 3.30%  
-- Flow 3:  
Average throughput: 22.25 Mbit/s  
95th percentile per-packet one-way delay: 31.953 ms  
Loss rate: 1.77%

Run 6: Report of Vivace-loss — Data Link



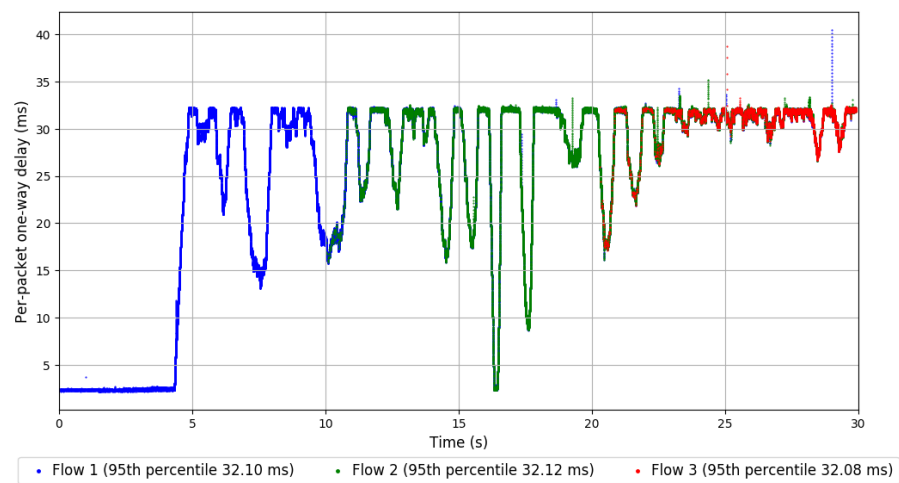
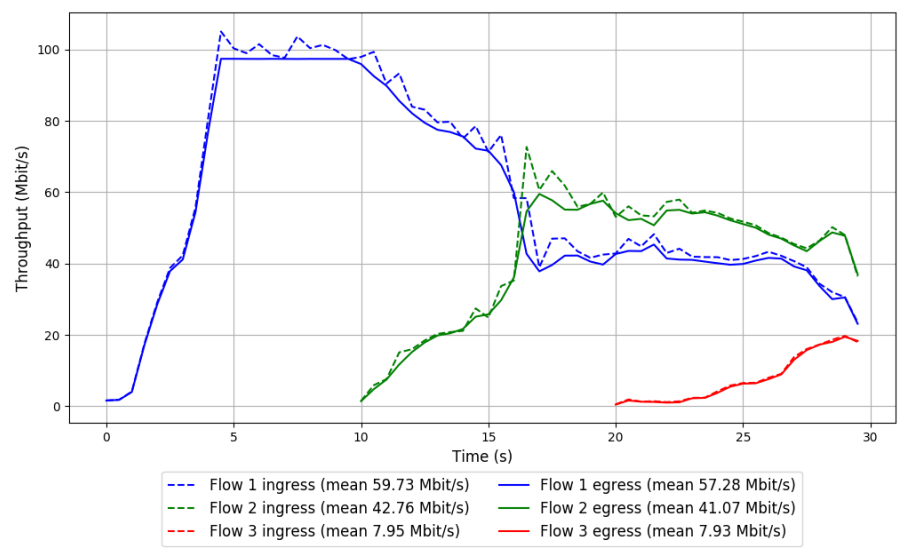
Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 19:51:34  
End at: 2018-03-27 19:52:04  
Local clock offset: -6.04 ms  
Remote clock offset: -5.727 ms

# Below is generated by plot.py at 2018-03-27 21:59:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.12 Mbit/s  
95th percentile per-packet one-way delay: 32.104 ms  
Loss rate: 3.94%  
-- Flow 1:  
Average throughput: 57.28 Mbit/s  
95th percentile per-packet one-way delay: 32.096 ms  
Loss rate: 4.02%  
-- Flow 2:  
Average throughput: 41.07 Mbit/s  
95th percentile per-packet one-way delay: 32.119 ms  
Loss rate: 3.89%  
-- Flow 3:  
Average throughput: 7.93 Mbit/s  
95th percentile per-packet one-way delay: 32.083 ms  
Loss rate: 2.83%



Run 7: Report of Vivace-loss — Data Link

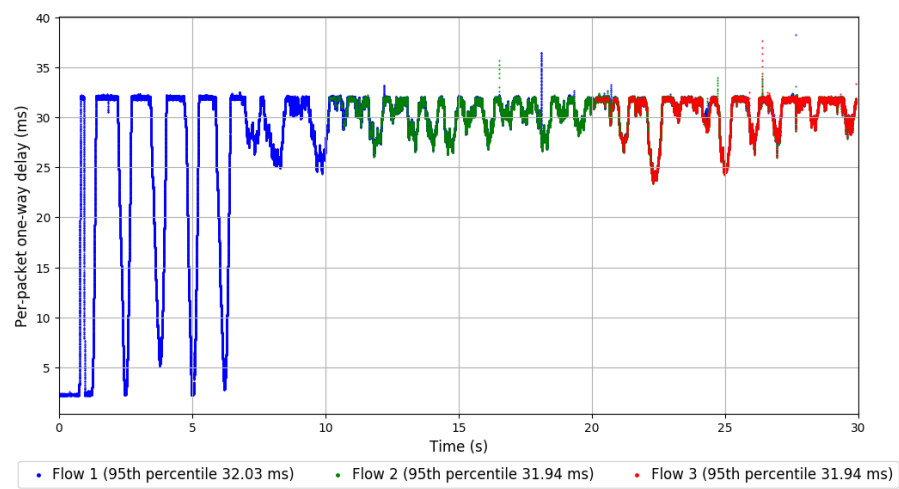
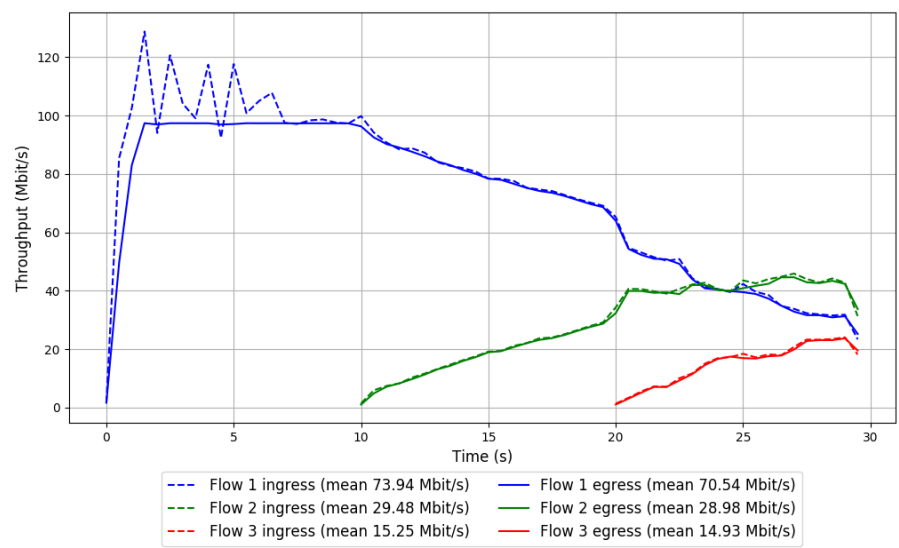


Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 20:12:03  
End at: 2018-03-27 20:12:33  
Local clock offset: -6.146 ms  
Remote clock offset: -5.003 ms

# Below is generated by plot.py at 2018-03-27 21:59:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.70 Mbit/s  
95th percentile per-packet one-way delay: 32.012 ms  
Loss rate: 3.82%  
-- Flow 1:  
Average throughput: 70.54 Mbit/s  
95th percentile per-packet one-way delay: 32.027 ms  
Loss rate: 4.51%  
-- Flow 2:  
Average throughput: 28.98 Mbit/s  
95th percentile per-packet one-way delay: 31.936 ms  
Loss rate: 1.66%  
-- Flow 3:  
Average throughput: 14.93 Mbit/s  
95th percentile per-packet one-way delay: 31.944 ms  
Loss rate: 2.12%

Run 8: Report of Vivace-loss — Data Link

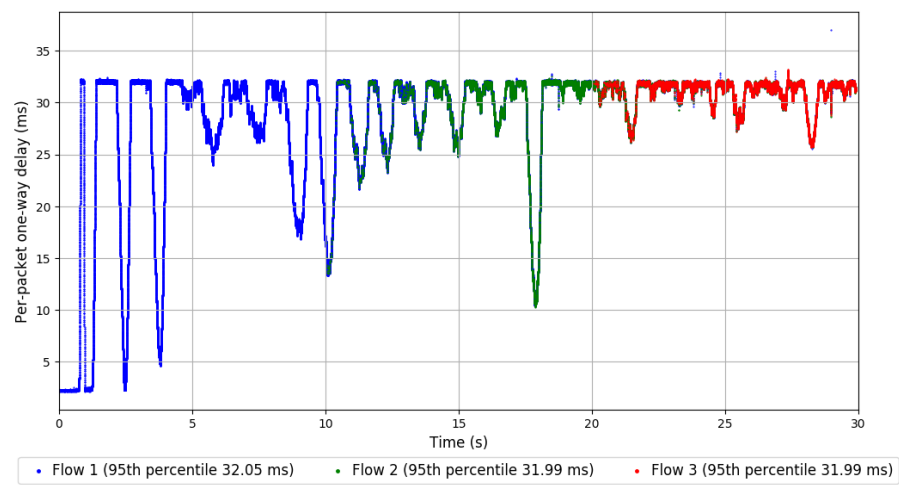
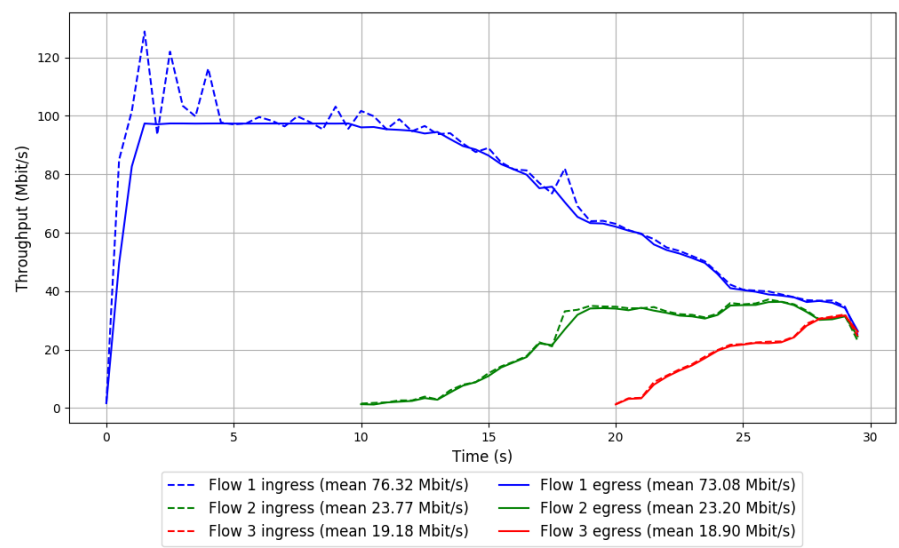


Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 20:32:35  
End at: 2018-03-27 20:33:05  
Local clock offset: -6.449 ms  
Remote clock offset: -4.452 ms

# Below is generated by plot.py at 2018-03-27 21:59:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.72 Mbit/s  
95th percentile per-packet one-way delay: 32.040 ms  
Loss rate: 3.68%  
-- Flow 1:  
Average throughput: 73.08 Mbit/s  
95th percentile per-packet one-way delay: 32.050 ms  
Loss rate: 4.15%  
-- Flow 2:  
Average throughput: 23.20 Mbit/s  
95th percentile per-packet one-way delay: 31.991 ms  
Loss rate: 2.31%  
-- Flow 3:  
Average throughput: 18.90 Mbit/s  
95th percentile per-packet one-way delay: 31.986 ms  
Loss rate: 1.44%

Run 9: Report of Vivace-loss — Data Link

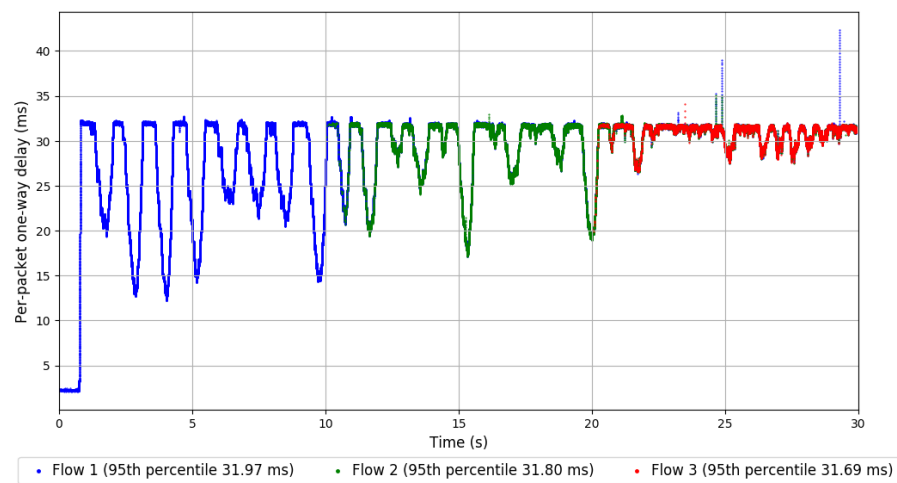
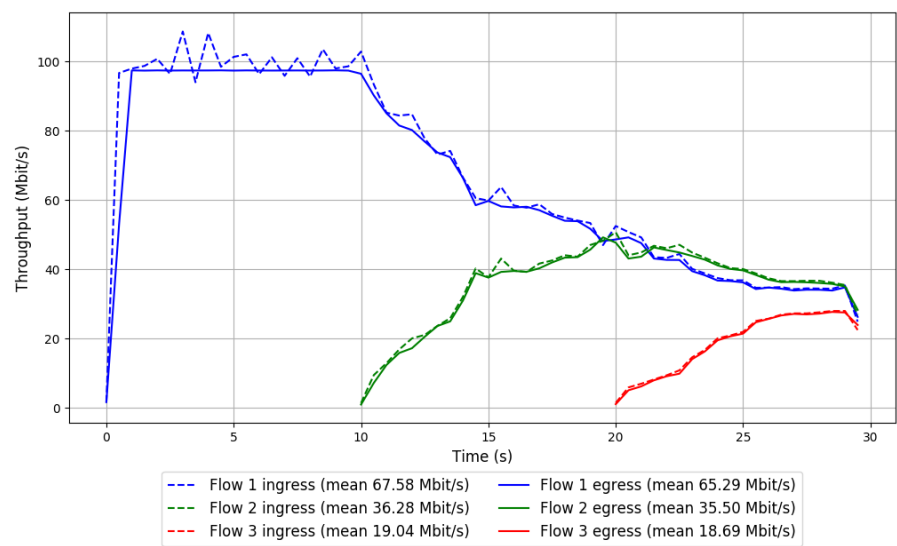


Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 20:53:08  
End at: 2018-03-27 20:53:38  
Local clock offset: -6.528 ms  
Remote clock offset: -3.273 ms

# Below is generated by plot.py at 2018-03-27 21:59:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.03 Mbit/s  
95th percentile per-packet one-way delay: 31.944 ms  
Loss rate: 2.91%  
-- Flow 1:  
Average throughput: 65.29 Mbit/s  
95th percentile per-packet one-way delay: 31.974 ms  
Loss rate: 3.29%  
-- Flow 2:  
Average throughput: 35.50 Mbit/s  
95th percentile per-packet one-way delay: 31.802 ms  
Loss rate: 2.15%  
-- Flow 3:  
Average throughput: 18.69 Mbit/s  
95th percentile per-packet one-way delay: 31.689 ms  
Loss rate: 1.76%

Run 10: Report of Vivace-loss — Data Link



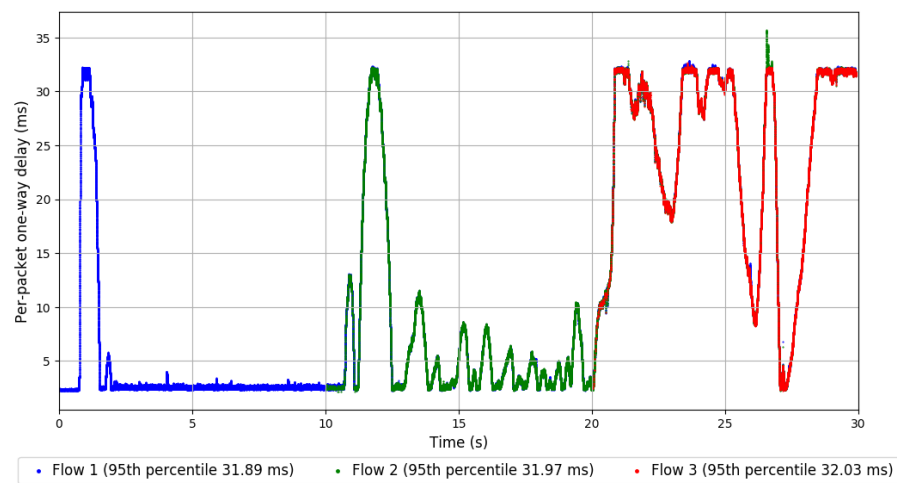
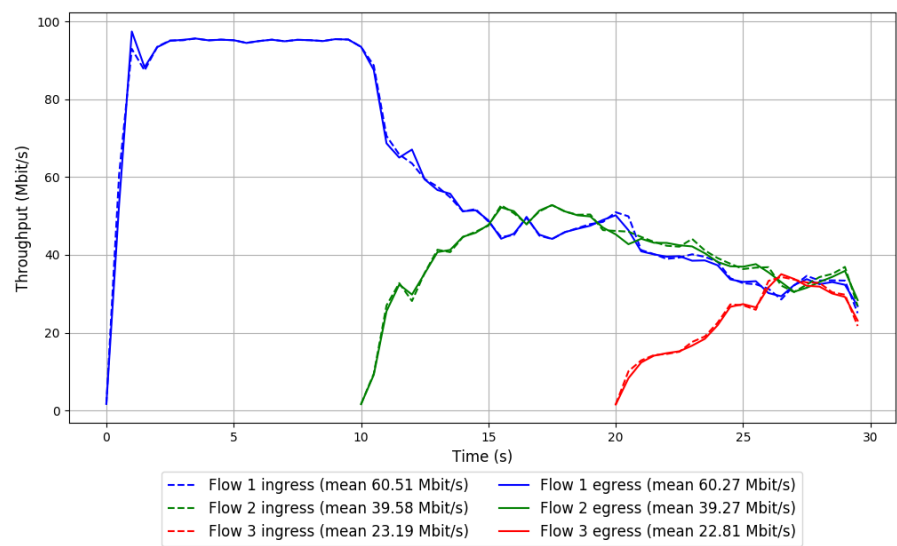
Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 17:40:27  
End at: 2018-03-27 17:40:57  
Local clock offset: -5.857 ms  
Remote clock offset: -6.576 ms

# Below is generated by plot.py at 2018-03-27 22:00:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.92 Mbit/s  
95th percentile per-packet one-way delay: 31.952 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 60.27 Mbit/s  
95th percentile per-packet one-way delay: 31.892 ms  
Loss rate: 0.30%  
-- Flow 2:  
Average throughput: 39.27 Mbit/s  
95th percentile per-packet one-way delay: 31.974 ms  
Loss rate: 0.63%  
-- Flow 3:  
Average throughput: 22.81 Mbit/s  
95th percentile per-packet one-way delay: 32.033 ms  
Loss rate: 1.34%



Run 1: Report of Vivace-LTE — Data Link

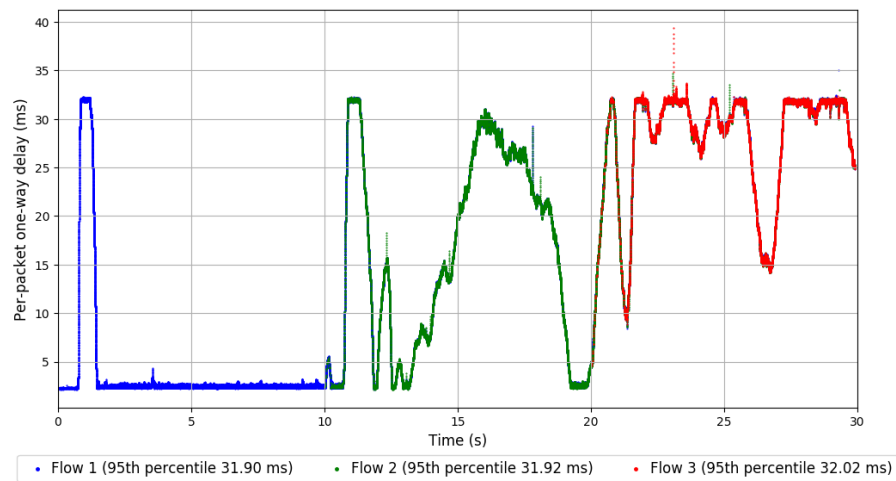
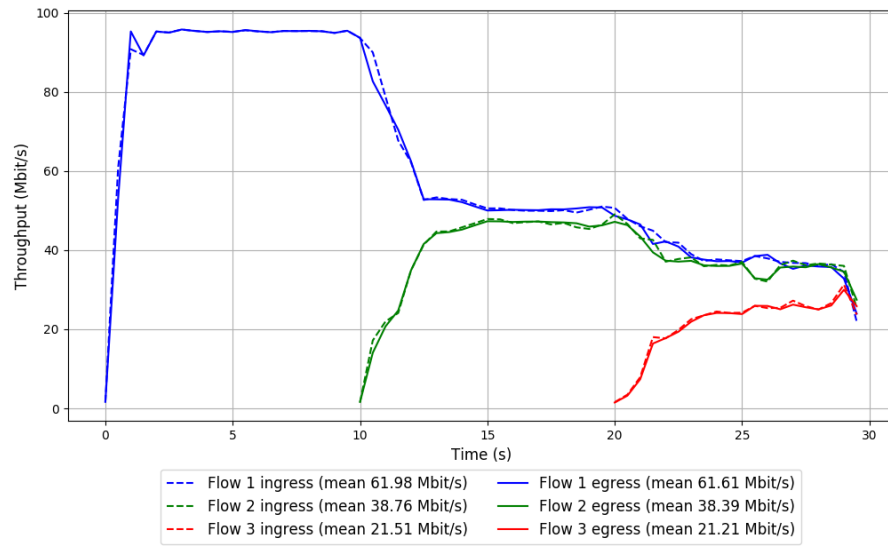


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 18:00:59  
End at: 2018-03-27 18:01:29  
Local clock offset: -6.079 ms  
Remote clock offset: -6.766 ms

# Below is generated by plot.py at 2018-03-27 22:00:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.14 Mbit/s  
95th percentile per-packet one-way delay: 31.921 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 61.61 Mbit/s  
95th percentile per-packet one-way delay: 31.900 ms  
Loss rate: 0.52%  
-- Flow 2:  
Average throughput: 38.39 Mbit/s  
95th percentile per-packet one-way delay: 31.917 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 21.21 Mbit/s  
95th percentile per-packet one-way delay: 32.015 ms  
Loss rate: 1.20%

## Run 2: Report of Vivace-LTE — Data Link

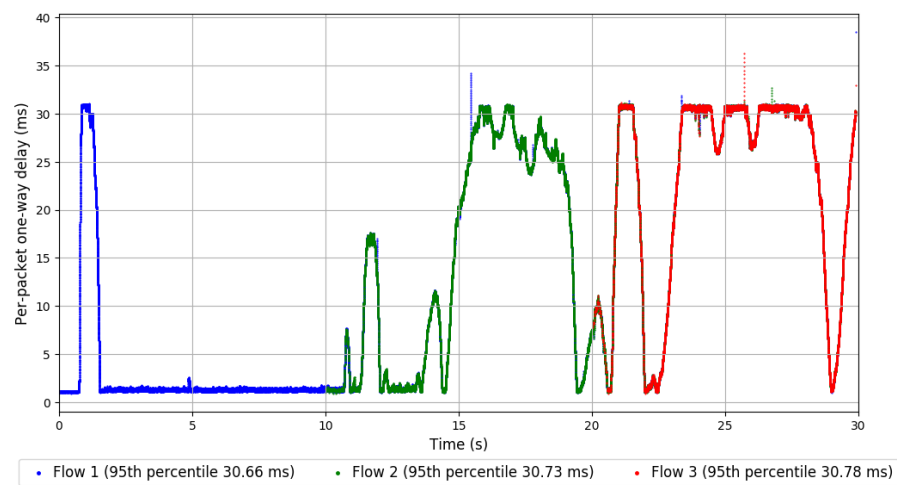
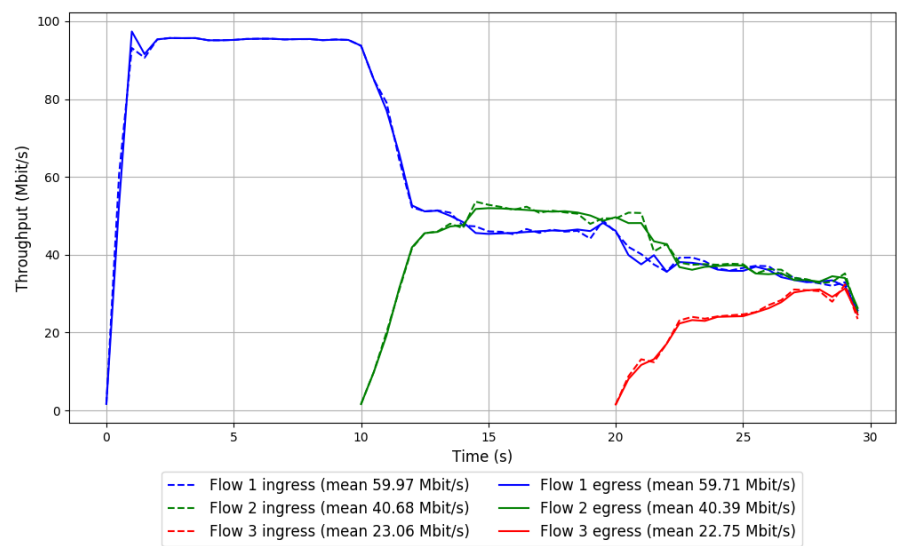


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 18:21:31  
End at: 2018-03-27 18:22:01  
Local clock offset: -6.187 ms  
Remote clock offset: -8.026 ms

# Below is generated by plot.py at 2018-03-27 22:00:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.09 Mbit/s  
95th percentile per-packet one-way delay: 30.703 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 59.71 Mbit/s  
95th percentile per-packet one-way delay: 30.659 ms  
Loss rate: 0.30%  
-- Flow 2:  
Average throughput: 40.39 Mbit/s  
95th percentile per-packet one-way delay: 30.726 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 22.75 Mbit/s  
95th percentile per-packet one-way delay: 30.781 ms  
Loss rate: 1.10%

Run 3: Report of Vivace-LTE — Data Link

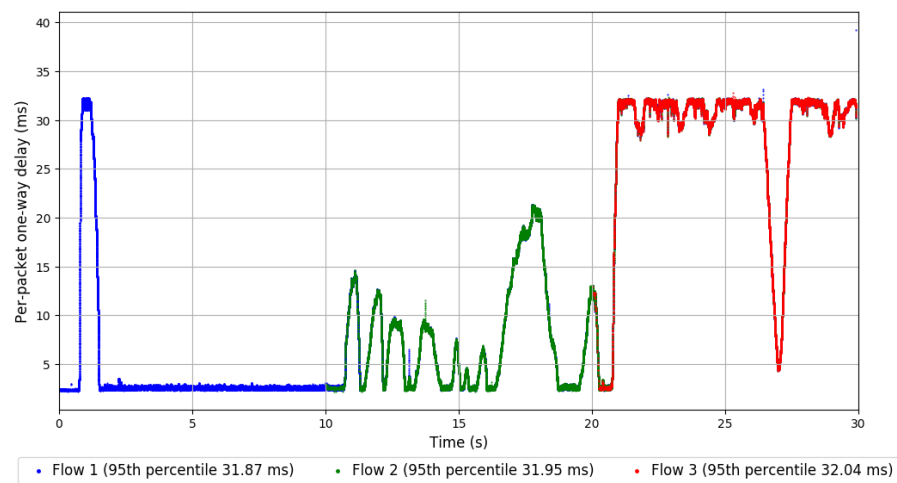
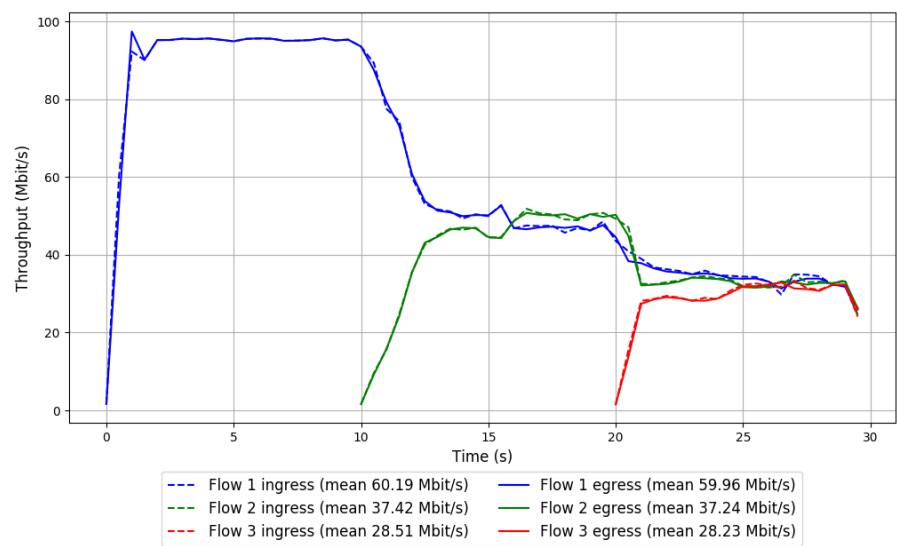


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 18:42:03  
End at: 2018-03-27 18:42:33  
Local clock offset: -5.912 ms  
Remote clock offset: -6.701 ms

```
# Below is generated by plot.py at 2018-03-27 22:00:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 31.941 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 31.872 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 31.952 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 32.040 ms
Loss rate: 0.79%
```

Run 4: Report of Vivace-LTE — Data Link



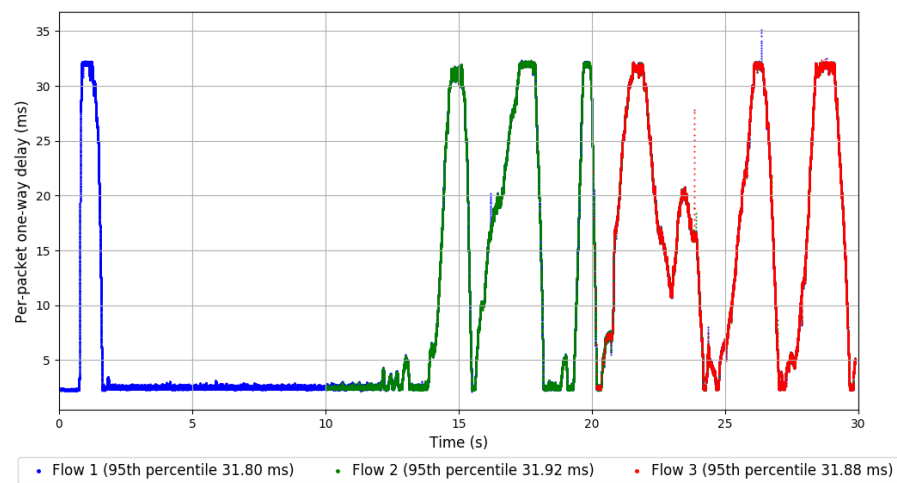
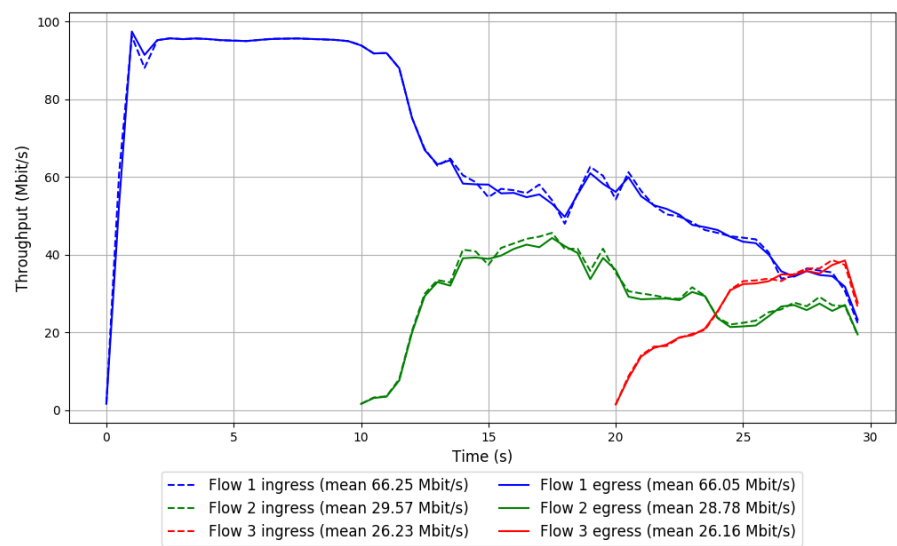
Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 19:02:34  
End at: 2018-03-27 19:03:04  
Local clock offset: -5.932 ms  
Remote clock offset: -6.633 ms

# Below is generated by plot.py at 2018-03-27 22:00:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.79 Mbit/s  
95th percentile per-packet one-way delay: 31.858 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 66.05 Mbit/s  
95th percentile per-packet one-way delay: 31.799 ms  
Loss rate: 0.29%  
-- Flow 2:  
Average throughput: 28.78 Mbit/s  
95th percentile per-packet one-way delay: 31.921 ms  
Loss rate: 2.67%  
-- Flow 3:  
Average throughput: 26.16 Mbit/s  
95th percentile per-packet one-way delay: 31.884 ms  
Loss rate: 0.42%



Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 19:23:03

End at: 2018-03-27 19:23:33

Local clock offset: -6.119 ms

Remote clock offset: -6.46 ms

# Below is generated by plot.py at 2018-03-27 22:00:48

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 65.147 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 67.06 Mbit/s

95th percentile per-packet one-way delay: 31.674 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 29.27 Mbit/s

95th percentile per-packet one-way delay: 71.329 ms

Loss rate: 1.51%

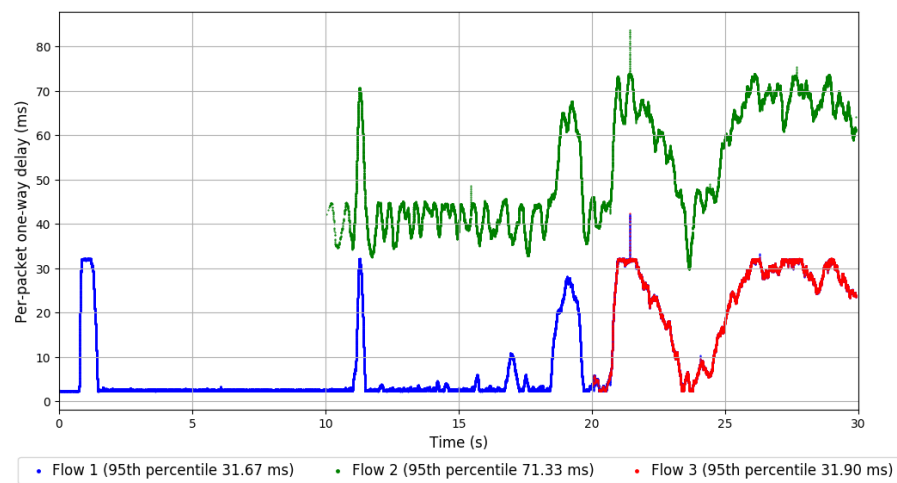
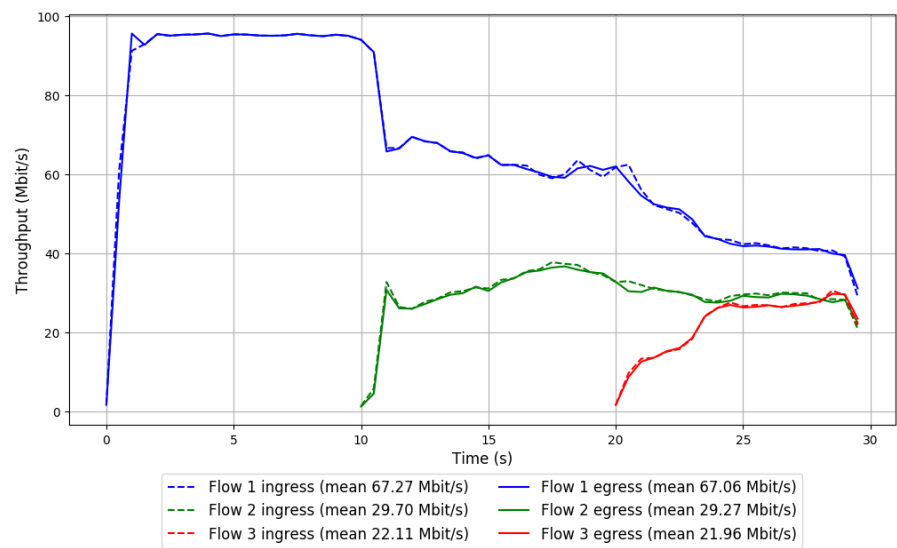
-- Flow 3:

Average throughput: 21.96 Mbit/s

95th percentile per-packet one-way delay: 31.901 ms

Loss rate: 0.49%

Run 6: Report of Vivace-LTE — Data Link

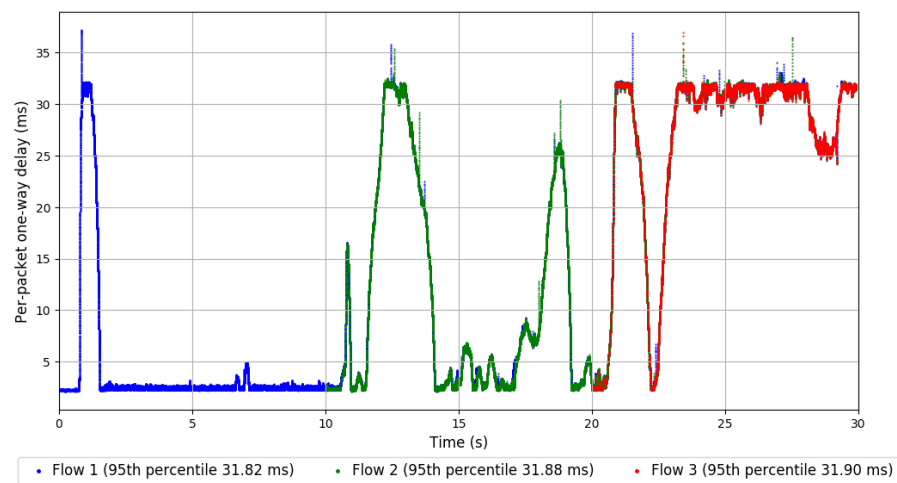
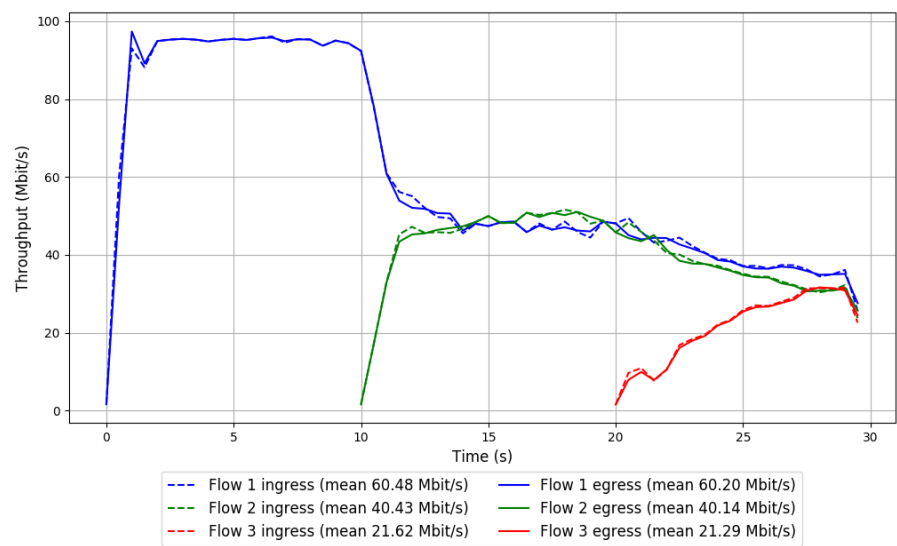


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 19:43:35  
End at: 2018-03-27 19:44:05  
Local clock offset: -6.031 ms  
Remote clock offset: -6.464 ms

```
# Below is generated by plot.py at 2018-03-27 22:01:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 31.850 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 31.815 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 31.876 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 31.896 ms
Loss rate: 1.26%
```

Run 7: Report of Vivace-LTE — Data Link

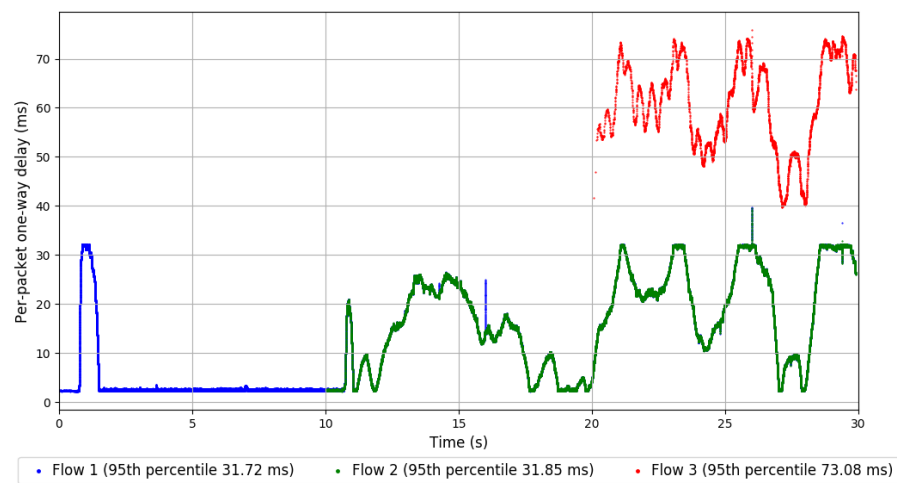
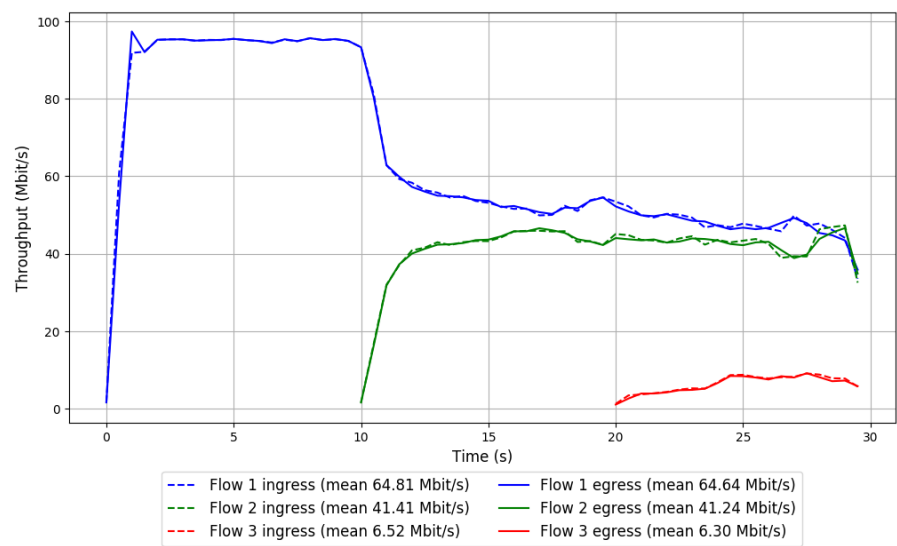


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 20:04:05  
End at: 2018-03-27 20:04:35  
Local clock offset: -5.955 ms  
Remote clock offset: -5.172 ms

# Below is generated by plot.py at 2018-03-27 22:01:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.15 Mbit/s  
95th percentile per-packet one-way delay: 31.898 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 64.64 Mbit/s  
95th percentile per-packet one-way delay: 31.718 ms  
Loss rate: 0.18%  
-- Flow 2:  
Average throughput: 41.24 Mbit/s  
95th percentile per-packet one-way delay: 31.852 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 6.30 Mbit/s  
95th percentile per-packet one-way delay: 73.079 ms  
Loss rate: 3.46%

Run 8: Report of Vivace-LTE — Data Link



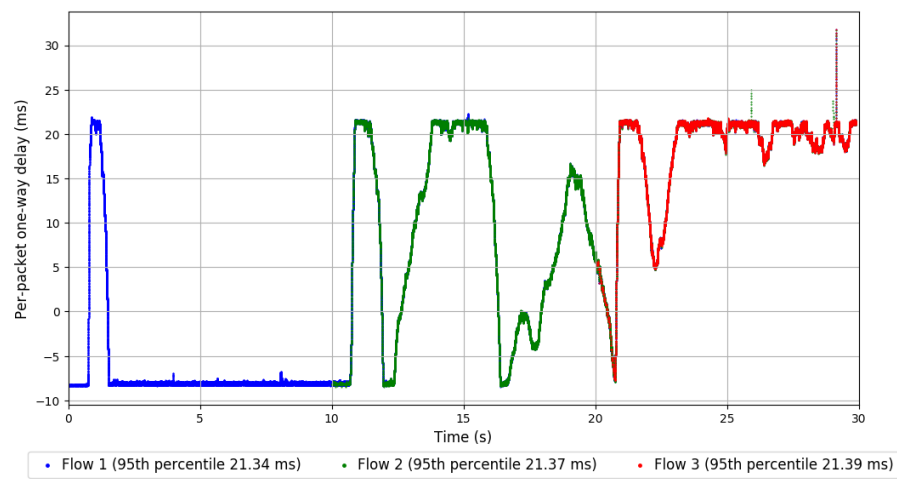
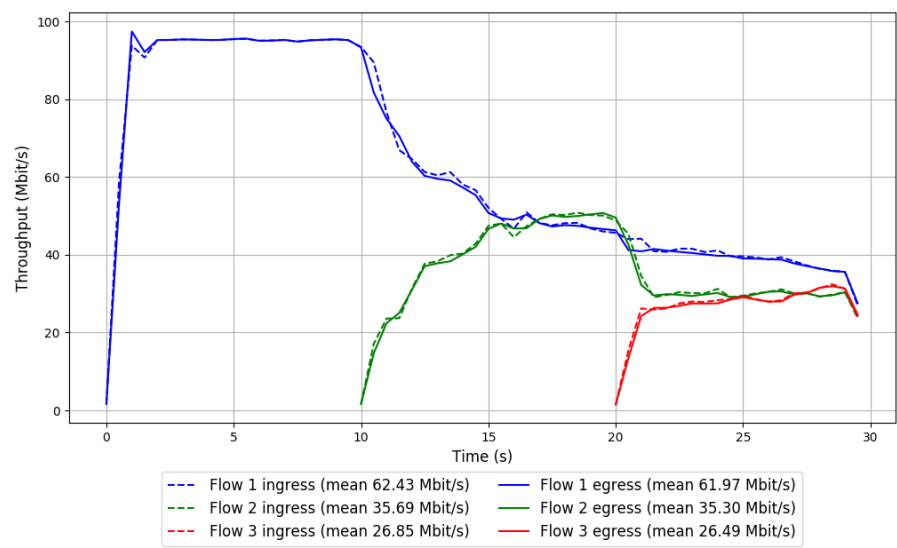
Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 20:24:36  
End at: 2018-03-27 20:25:06  
Local clock offset: -6.428 ms  
Remote clock offset: -15.308 ms

```
# Below is generated by plot.py at 2018-03-27 22:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 21.354 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 21.336 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 21.371 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 21.385 ms
Loss rate: 1.20%
```



Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 20:45:09  
End at: 2018-03-27 20:45:39  
Local clock offset: -6.517 ms  
Remote clock offset: -4.102 ms

# Below is generated by plot.py at 2018-03-27 22:01:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.96 Mbit/s  
95th percentile per-packet one-way delay: 31.876 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 61.65 Mbit/s  
95th percentile per-packet one-way delay: 31.838 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 39.42 Mbit/s  
95th percentile per-packet one-way delay: 31.901 ms  
Loss rate: 0.58%  
-- Flow 3:  
Average throughput: 18.49 Mbit/s  
95th percentile per-packet one-way delay: 31.937 ms  
Loss rate: 1.33%

Run 10: Report of Vivace-LTE — Data Link

