

## Pantheon Report

Generated at 2018-02-20 16:59:43 (UTC).

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

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).

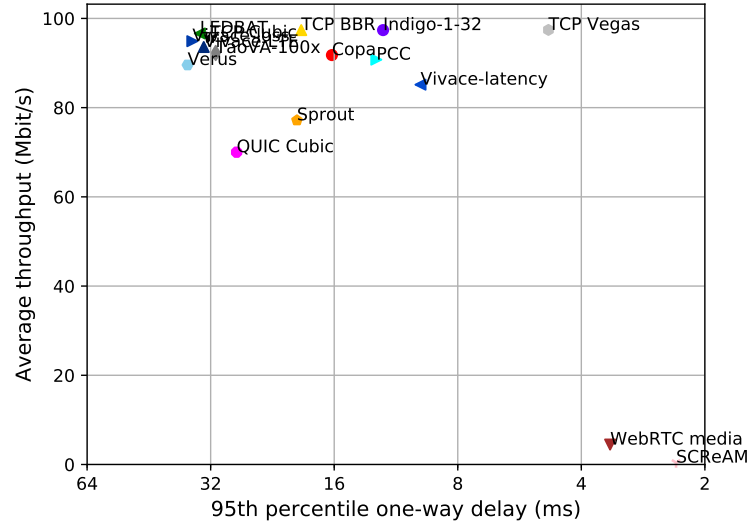
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo\_fast*).

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

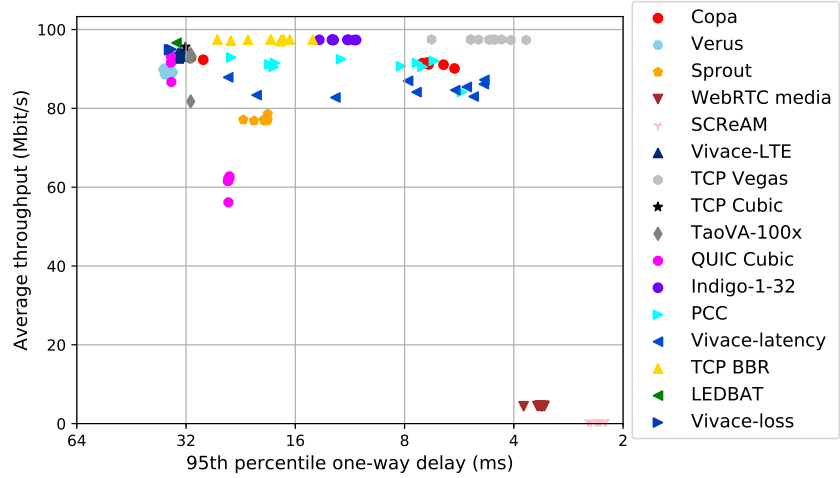
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
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 @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	65.88	34.99	24.83	19.07	18.91	23.93	0.09	0.04	0.18
TCP Cubic	1	50.00	49.51	38.33	27.21	32.60	33.59	0.11	0.76	1.84
LEDBAT	1	54.99	45.84	33.76	30.77	34.71	36.28	0.16	0.45	0.98
PCC	10	74.56	19.29	10.28	11.95	13.95	12.99	0.02	0.07	0.08
QUIC Cubic	10	16.90	60.57	41.32	11.98	27.65	27.73	0.02	0.11	0.32
SCReAM	10	0.21	0.22	0.22	2.34	2.35	2.35	0.03	0.00	0.00
WebRTC media	10	2.36	1.49	0.64	3.37	3.40	3.48	0.03	0.07	0.06
Sprout	10	42.39	38.96	26.93	18.64	19.36	21.25	0.06	0.07	0.21
TaoVA-100x	10	55.14	39.93	31.88	30.46	31.14	31.18	0.06	0.13	0.32
TCP Vegas	10	49.80	43.54	56.24	7.90	4.33	4.42	0.01	0.02	0.06
Verus	10	52.29	41.31	29.59	35.48	36.33	36.67	0.08	0.15	0.42
Copa	10	56.74	39.77	25.97	15.48	16.37	16.87	0.04	0.08	0.17
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo-1-32	10	47.05	40.85	70.89	10.08	12.16	12.87	0.01	0.03	0.15
Vivace-latency	10	56.63	32.38	21.31	7.30	12.51	12.33	0.01	0.05	0.10
Vivace-loss	4	58.26	40.47	29.78	35.02	35.50	35.70	1.06	2.07	5.01
Vivace-LTE	10	60.23	37.05	26.64	31.88	33.65	34.66	0.04	0.12	0.34

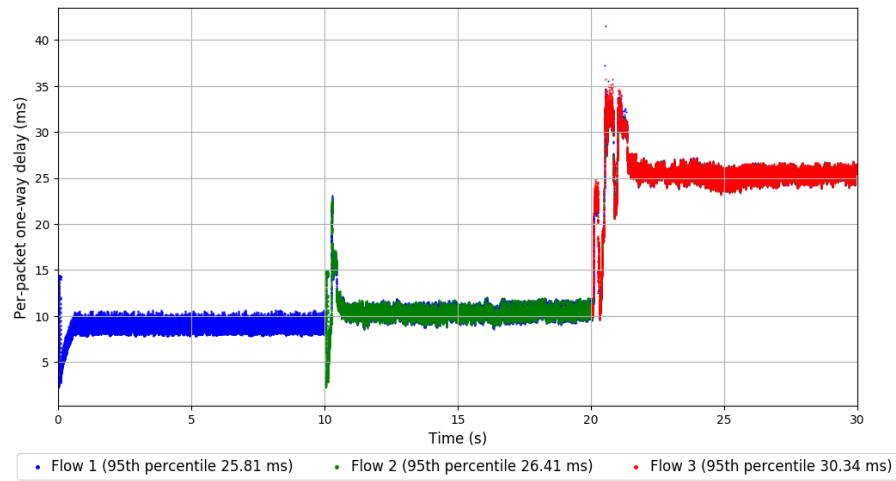
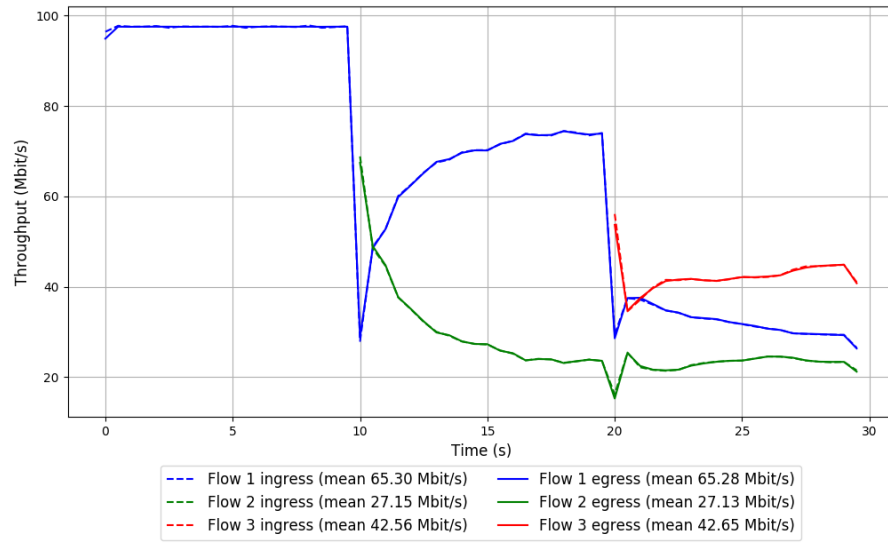
Run 1: Statistics of TCP BBR

Start at: 2018-02-20 09:56:07  
End at: 2018-02-20 09:56:37  
Local clock offset: -13.04 ms  
Remote clock offset: -12.888 ms

# Below is generated by plot.py at 2018-02-20 16:38:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 26.231 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 65.28 Mbit/s  
95th percentile per-packet one-way delay: 25.809 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 27.13 Mbit/s  
95th percentile per-packet one-way delay: 26.405 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 42.65 Mbit/s  
95th percentile per-packet one-way delay: 30.343 ms  
Loss rate: 0.30%



# Run 1: Report of TCP BBR — Data Link

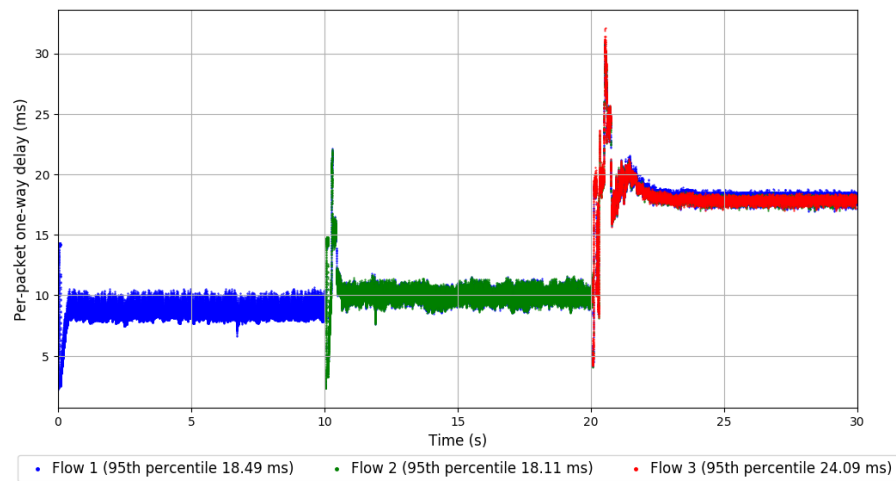
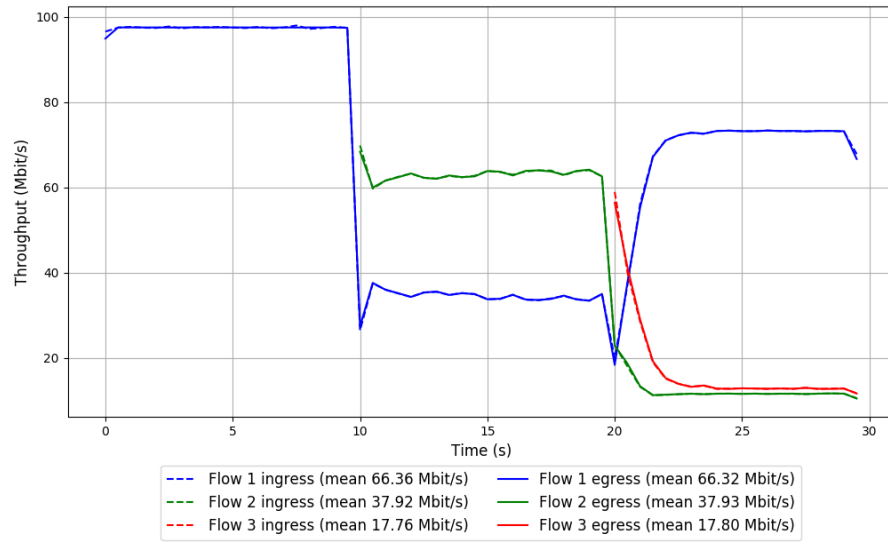


Run 2: Statistics of TCP BBR

Start at: 2018-02-20 10:16:32  
End at: 2018-02-20 10:17:02  
Local clock offset: -13.248 ms  
Remote clock offset: -12.732 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 18.691 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 66.32 Mbit/s  
95th percentile per-packet one-way delay: 18.486 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 37.93 Mbit/s  
95th percentile per-packet one-way delay: 18.105 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 17.80 Mbit/s  
95th percentile per-packet one-way delay: 24.095 ms  
Loss rate: 0.15%

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

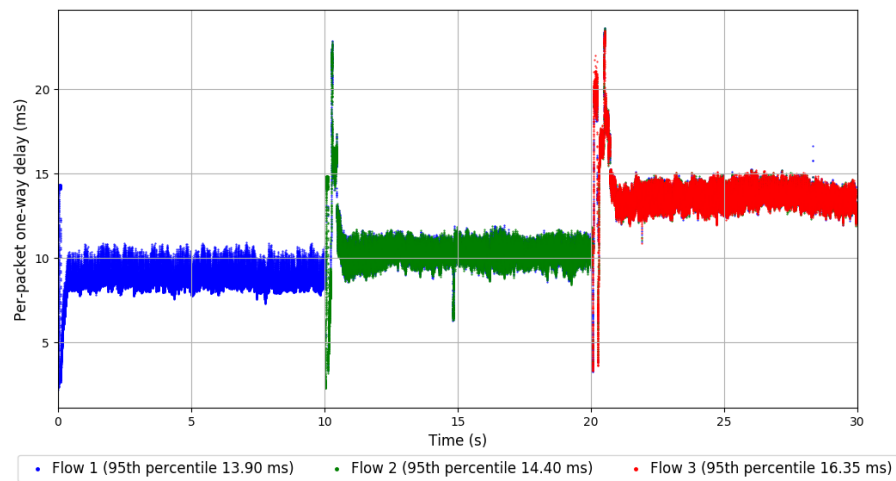
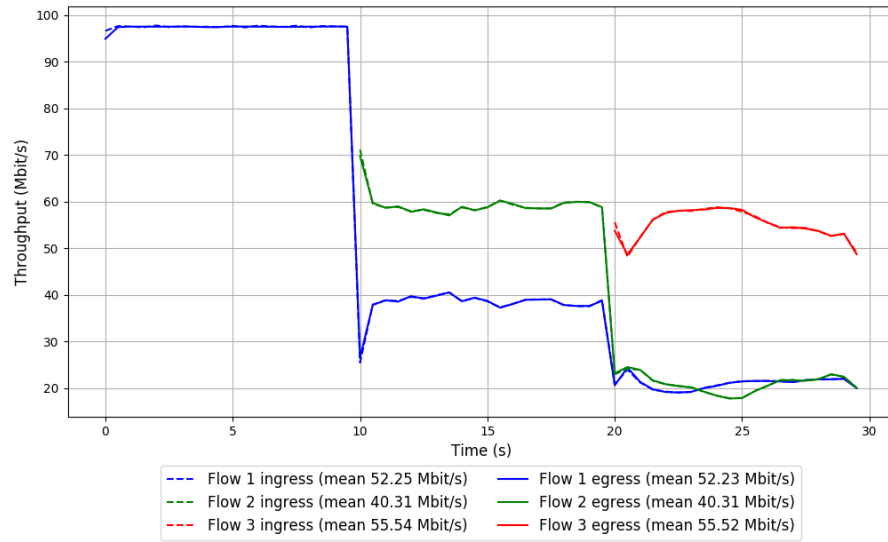


Run 3: Statistics of TCP BBR

Start at: 2018-02-20 10:36:59  
End at: 2018-02-20 10:37:29  
Local clock offset: -14.663 ms  
Remote clock offset: -12.484 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 14.339 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 52.23 Mbit/s  
95th percentile per-packet one-way delay: 13.901 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.31 Mbit/s  
95th percentile per-packet one-way delay: 14.401 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 55.52 Mbit/s  
95th percentile per-packet one-way delay: 16.346 ms  
Loss rate: 0.16%

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

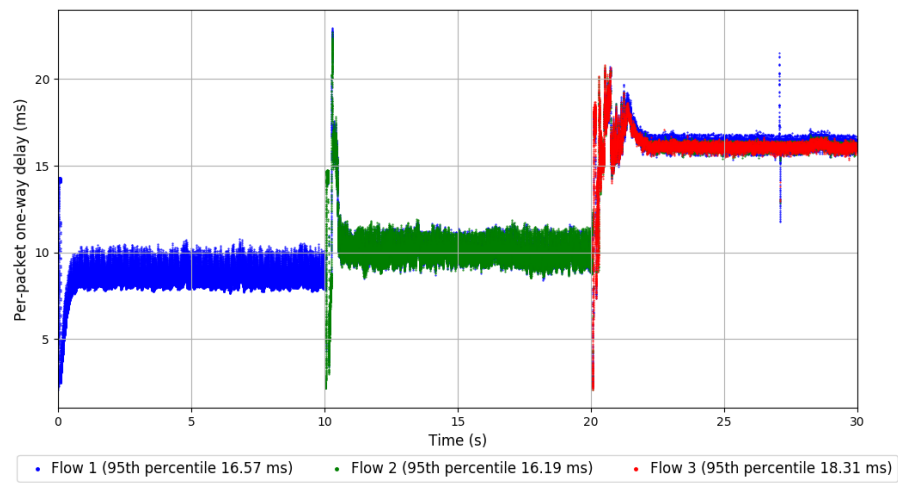
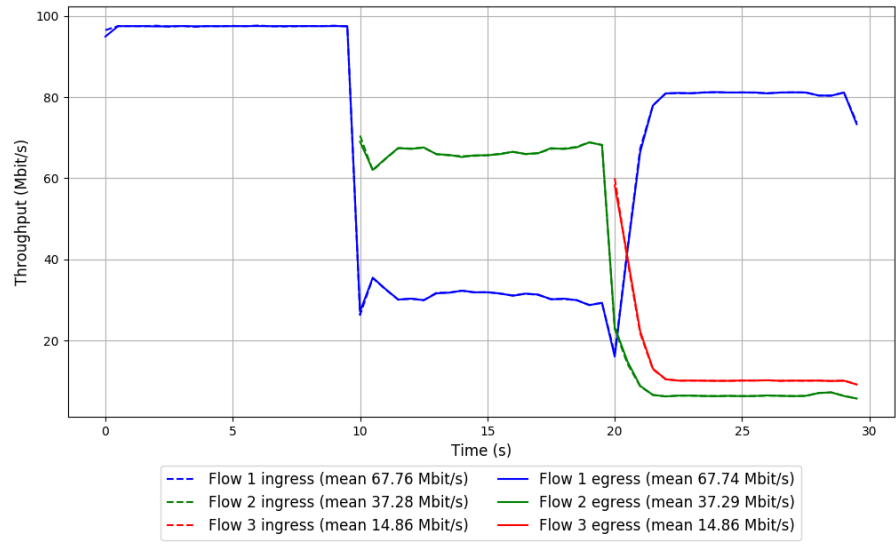


Run 4: Statistics of TCP BBR

Start at: 2018-02-20 10:57:25  
End at: 2018-02-20 10:57:55  
Local clock offset: -15.513 ms  
Remote clock offset: -12.543 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 16.579 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 67.74 Mbit/s  
95th percentile per-packet one-way delay: 16.570 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 37.29 Mbit/s  
95th percentile per-packet one-way delay: 16.186 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 14.86 Mbit/s  
95th percentile per-packet one-way delay: 18.307 ms  
Loss rate: 0.13%

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



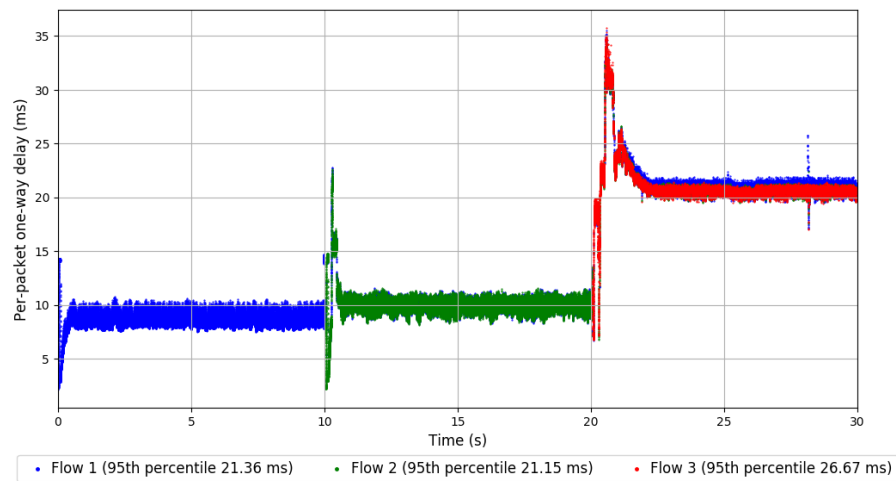
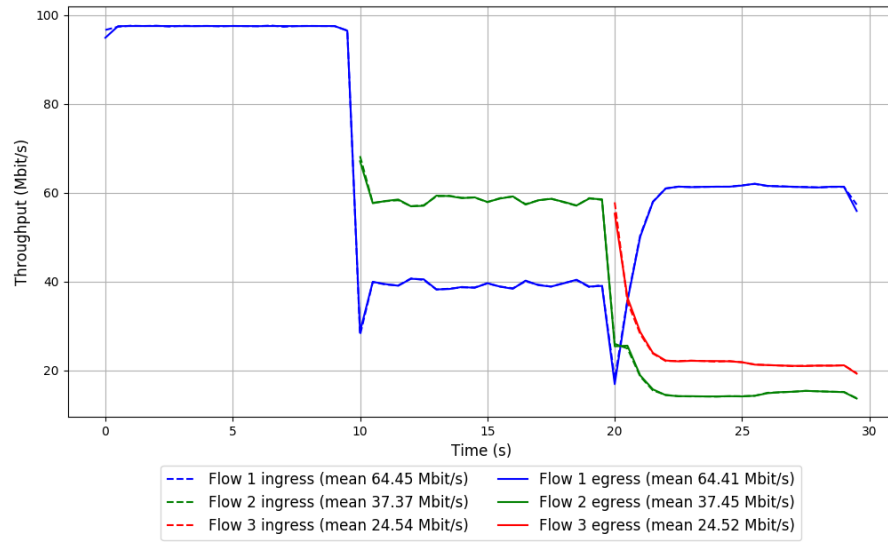
Run 5: Statistics of TCP BBR

Start at: 2018-02-20 11:17:48  
End at: 2018-02-20 11:18:18  
Local clock offset: -11.34 ms  
Remote clock offset: -12.613 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 21.608 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 64.41 Mbit/s  
95th percentile per-packet one-way delay: 21.356 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 37.45 Mbit/s  
95th percentile per-packet one-way delay: 21.151 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 24.52 Mbit/s  
95th percentile per-packet one-way delay: 26.668 ms  
Loss rate: 0.21%



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

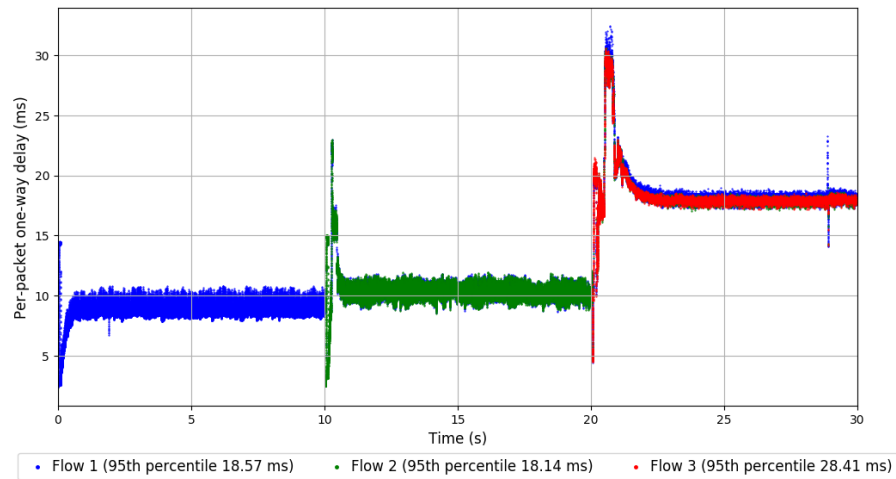
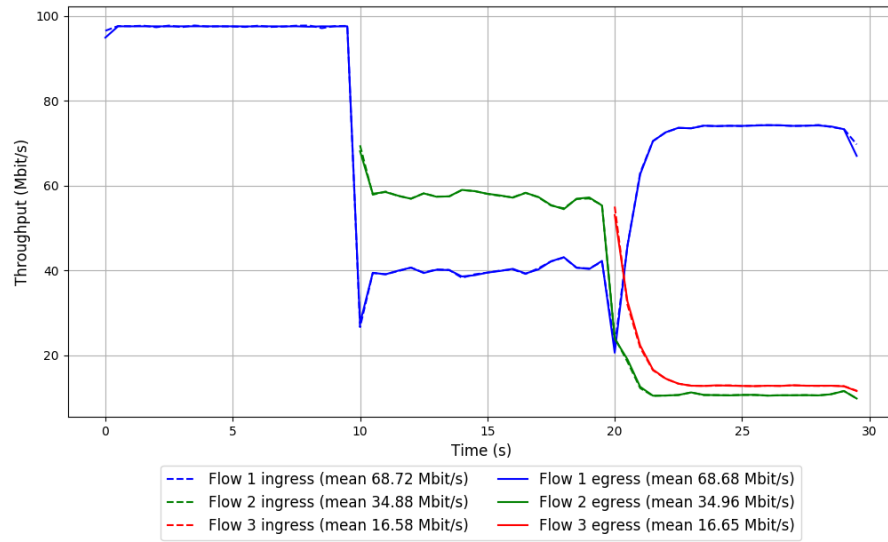


Run 6: Statistics of TCP BBR

Start at: 2018-02-20 11:38:11  
End at: 2018-02-20 11:38:41  
Local clock offset: -12.707 ms  
Remote clock offset: -12.626 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 18.692 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 68.68 Mbit/s  
95th percentile per-packet one-way delay: 18.568 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 34.96 Mbit/s  
95th percentile per-packet one-way delay: 18.145 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 16.65 Mbit/s  
95th percentile per-packet one-way delay: 28.415 ms  
Loss rate: 0.17%

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

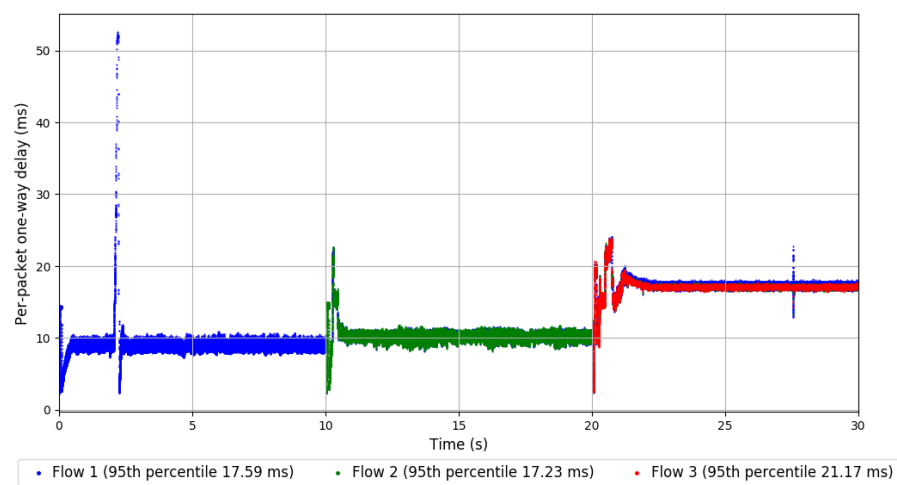
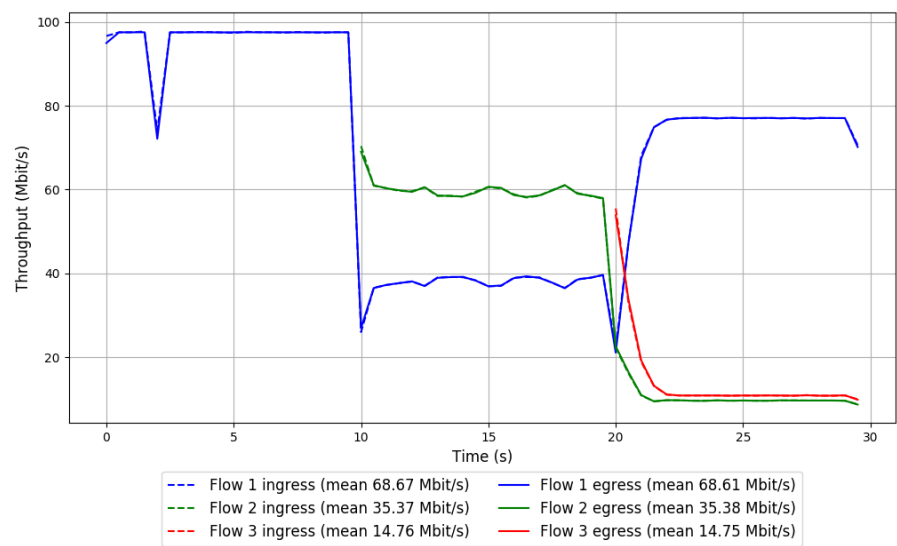


Run 7: Statistics of TCP BBR

Start at: 2018-02-20 11:58:37  
End at: 2018-02-20 11:59:07  
Local clock offset: -14.973 ms  
Remote clock offset: -12.535 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 17.588 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 68.61 Mbit/s  
95th percentile per-packet one-way delay: 17.595 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 35.38 Mbit/s  
95th percentile per-packet one-way delay: 17.229 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 14.75 Mbit/s  
95th percentile per-packet one-way delay: 21.171 ms  
Loss rate: 0.15%

Run 7: Report of TCP BBR — Data Link

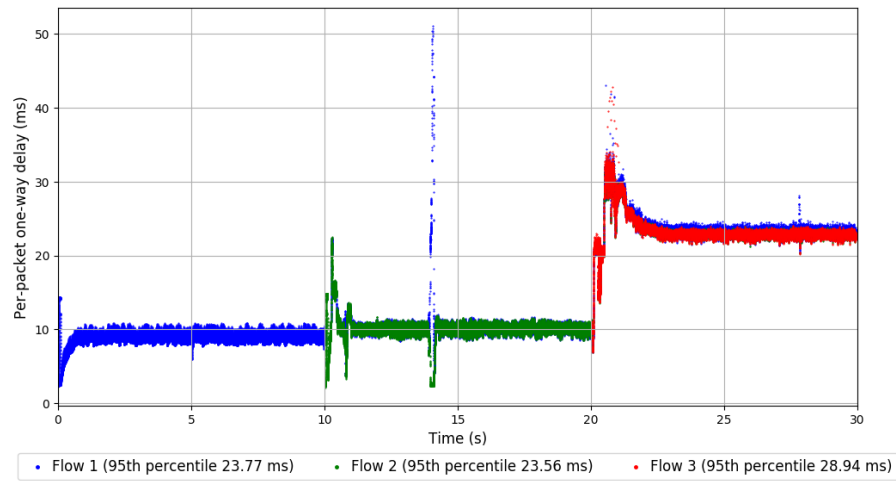
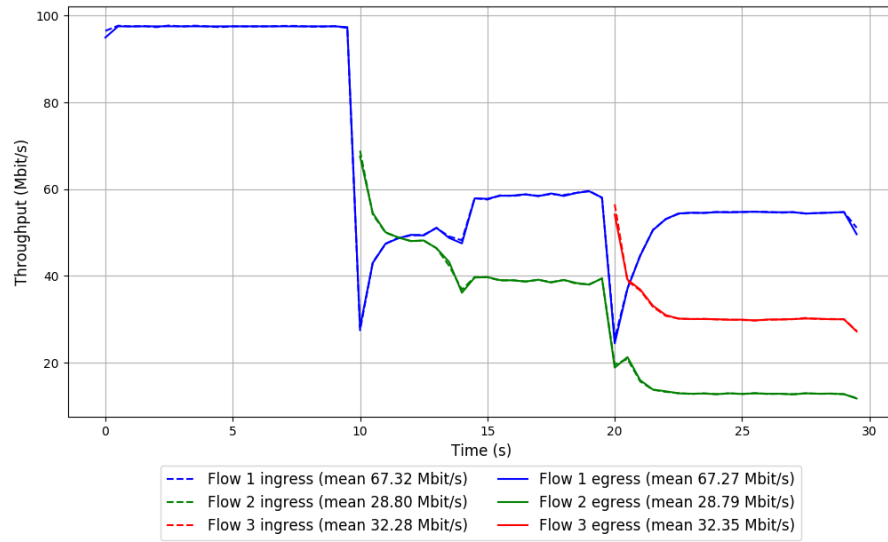


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 12:19:00  
End at: 2018-02-20 12:19:30  
Local clock offset: -14.568 ms  
Remote clock offset: -12.465 ms

# Below is generated by plot.py at 2018-02-20 16:38:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 24.091 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 67.27 Mbit/s  
95th percentile per-packet one-way delay: 23.767 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 28.79 Mbit/s  
95th percentile per-packet one-way delay: 23.564 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 32.35 Mbit/s  
95th percentile per-packet one-way delay: 28.937 ms  
Loss rate: 0.23%

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



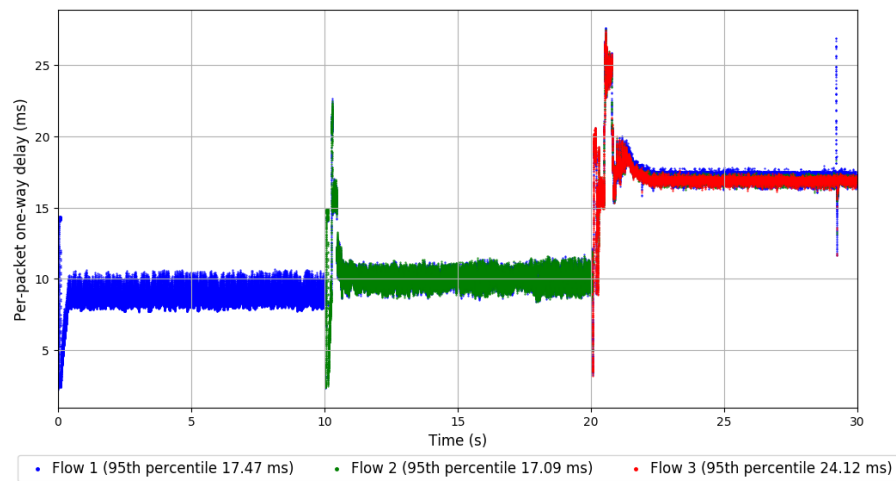
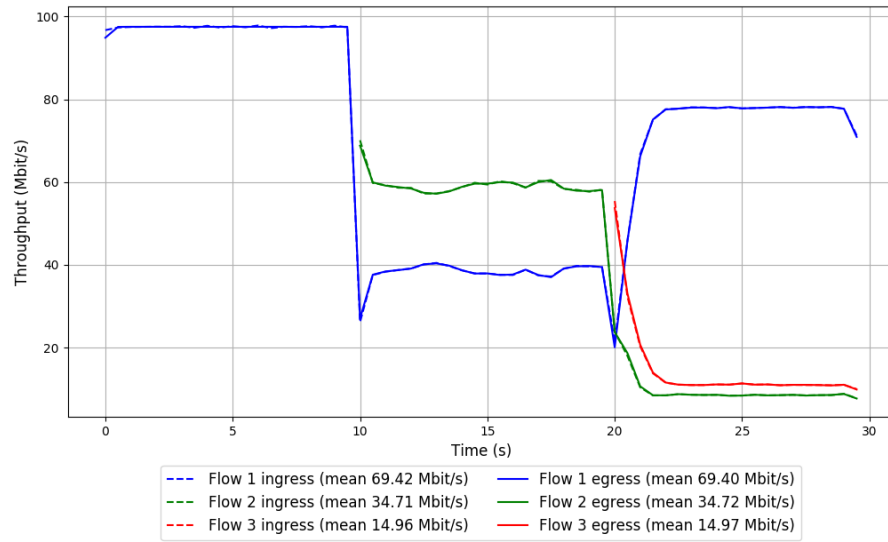
Run 9: Statistics of TCP BBR

Start at: 2018-02-20 12:39:25  
End at: 2018-02-20 12:39:55  
Local clock offset: -14.563 ms  
Remote clock offset: -12.266 ms

# Below is generated by plot.py at 2018-02-20 16:39:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 17.492 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 69.40 Mbit/s  
95th percentile per-packet one-way delay: 17.471 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 34.72 Mbit/s  
95th percentile per-packet one-way delay: 17.093 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 14.97 Mbit/s  
95th percentile per-packet one-way delay: 24.121 ms  
Loss rate: 0.15%



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

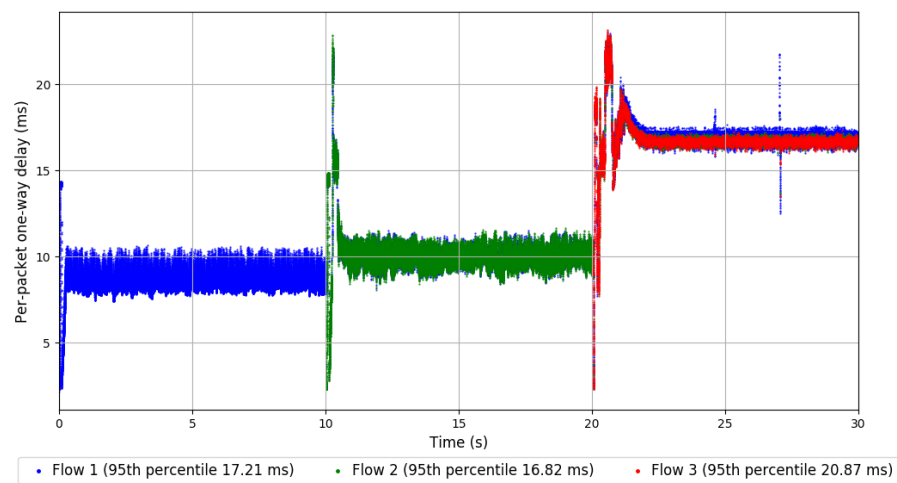
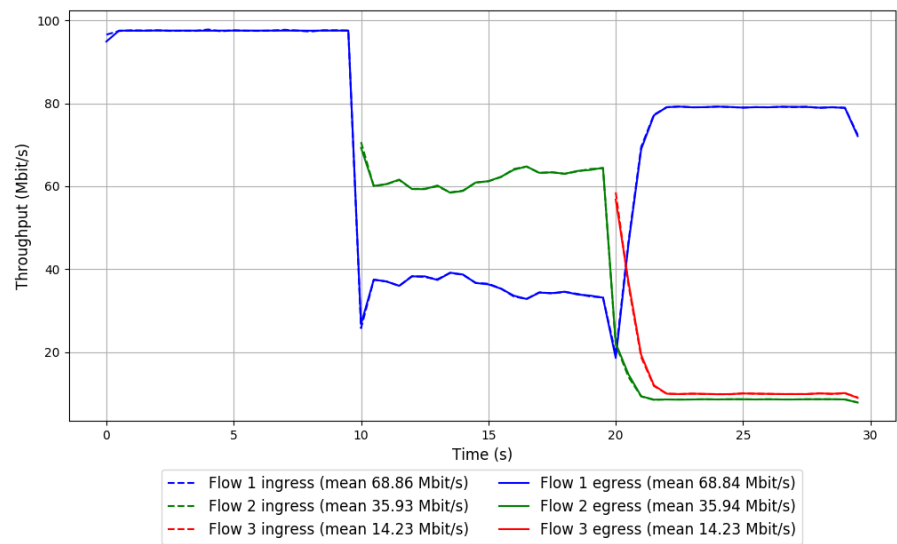


Run 10: Statistics of TCP BBR

Start at: 2018-02-20 12:59:52  
End at: 2018-02-20 13:00:22  
Local clock offset: -13.332 ms  
Remote clock offset: -12.13 ms

# Below is generated by plot.py at 2018-02-20 16:40:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 17.206 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 68.84 Mbit/s  
95th percentile per-packet one-way delay: 17.207 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 35.94 Mbit/s  
95th percentile per-packet one-way delay: 16.821 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 14.23 Mbit/s  
95th percentile per-packet one-way delay: 20.866 ms  
Loss rate: 0.14%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 09:58:22

End at: 2018-02-20 09:58:52

Local clock offset: -13.072 ms

Remote clock offset: -12.86 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 10:18:46

End at: 2018-02-20 10:19:16

Local clock offset: -13.236 ms

Remote clock offset: -12.76 ms

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

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Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 10:39:14

End at: 2018-02-20 10:39:44

Local clock offset: -14.795 ms

Remote clock offset: -12.551 ms



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

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Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 10:59:39

End at: 2018-02-20 11:00:09

Local clock offset: -14.704 ms

Remote clock offset: -12.556 ms

Run 4: Report of TCP Cubic — Data Link

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Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 11:20:02

End at: 2018-02-20 11:20:32

Local clock offset: -11.095 ms

Remote clock offset: -12.574 ms

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

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Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 11:40:26  
End at: 2018-02-20 11:40:56  
Local clock offset: -13.272 ms  
Remote clock offset: -12.698 ms

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

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Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 12:00:51

End at: 2018-02-20 12:01:21

Local clock offset: -15.161 ms

Remote clock offset: -12.492 ms



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

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Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 12:21:15

End at: 2018-02-20 12:21:45

Local clock offset: -14.525 ms

Remote clock offset: -12.504 ms

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

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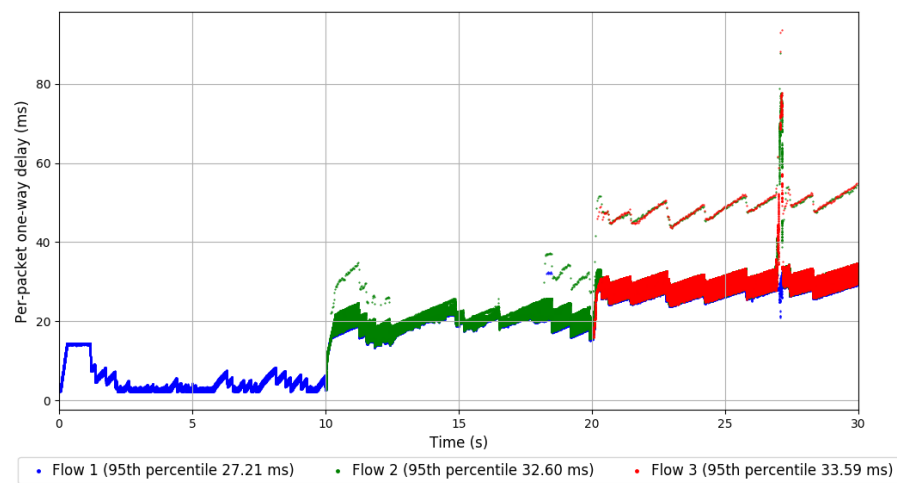
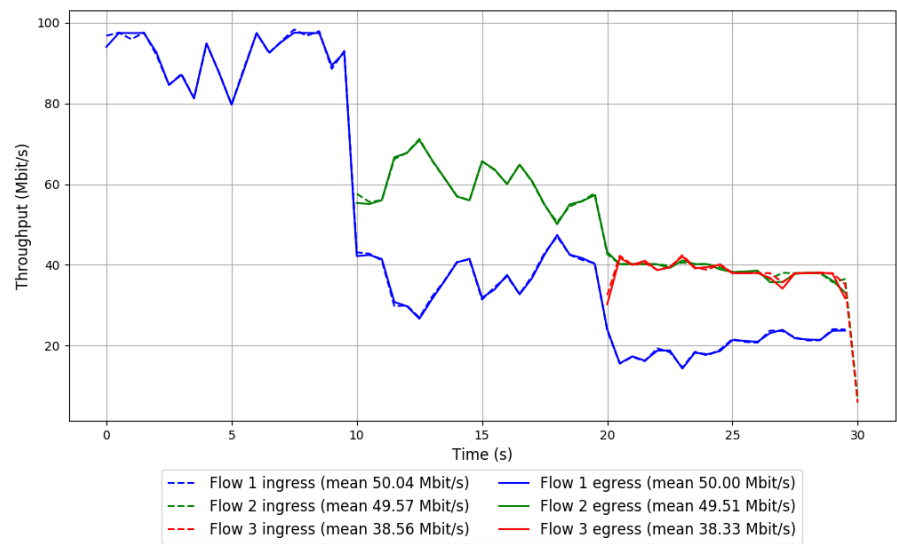
Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 12:41:39  
End at: 2018-02-20 12:42:09  
Local clock offset: -14.371 ms  
Remote clock offset: -12.311 ms

# Below is generated by plot.py at 2018-02-20 16:40:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 32.112 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 50.00 Mbit/s  
95th percentile per-packet one-way delay: 27.212 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 49.51 Mbit/s  
95th percentile per-packet one-way delay: 32.598 ms  
Loss rate: 0.76%  
-- Flow 3:  
Average throughput: 38.33 Mbit/s  
95th percentile per-packet one-way delay: 33.588 ms  
Loss rate: 1.84%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 13:02:06

End at: 2018-02-20 13:02:36

Local clock offset: -13.366 ms

Remote clock offset: -12.144 ms

Run 10: Report of TCP Cubic — Data Link

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Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-02-20 09:48:09

End at: 2018-02-20 09:48:39

Local clock offset: -12.804 ms

Remote clock offset: -12.869 ms



Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2018-02-20 10:08:33  
End at: 2018-02-20 10:09:03  
Local clock offset: -13.196 ms  
Remote clock offset: -12.894 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

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Run 3: Statistics of LEDBAT

Start at: 2018-02-20 10:29:00  
End at: 2018-02-20 10:29:30  
Local clock offset: -14.004 ms  
Remote clock offset: -12.652 ms

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

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Run 4: Statistics of LEDBAT

Start at: 2018-02-20 10:49:27

End at: 2018-02-20 10:49:57

Local clock offset: -15.306 ms

Remote clock offset: -12.521 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-02-20 11:09:50

End at: 2018-02-20 11:10:20

Local clock offset: -12.11 ms

Remote clock offset: -12.569 ms



Run 5: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-02-20 11:30:13  
End at: 2018-02-20 11:30:43  
Local clock offset: -10.598 ms  
Remote clock offset: -12.605 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-02-20 11:50:39  
End at: 2018-02-20 11:51:09  
Local clock offset: -14.491 ms  
Remote clock offset: -12.701 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-02-20 12:11:02

End at: 2018-02-20 12:11:32

Local clock offset: -14.927 ms

Remote clock offset: -12.442 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-20 12:31:26

End at: 2018-02-20 12:31:56

Local clock offset: -14.521 ms

Remote clock offset: -12.378 ms



Run 9: Report of LEDBAT — Data Link

Figure is missing

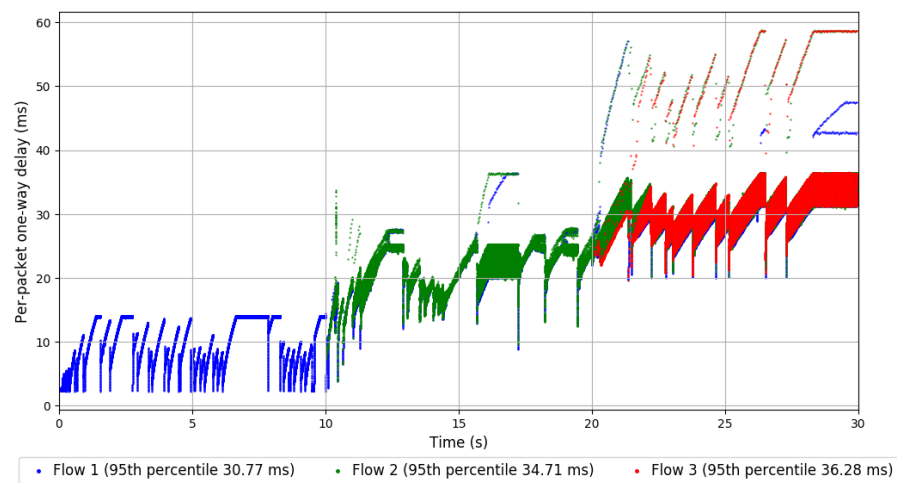
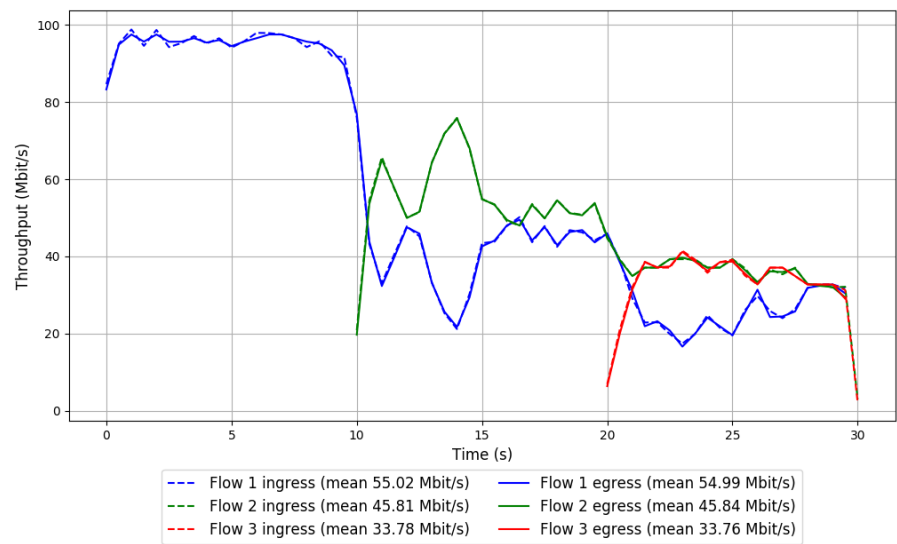
Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-02-20 12:51:52  
End at: 2018-02-20 12:52:22  
Local clock offset: -13.618 ms  
Remote clock offset: -12.159 ms

# Below is generated by plot.py at 2018-02-20 16:40:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.63 Mbit/s  
95th percentile per-packet one-way delay: 34.006 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 54.99 Mbit/s  
95th percentile per-packet one-way delay: 30.772 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 45.84 Mbit/s  
95th percentile per-packet one-way delay: 34.706 ms  
Loss rate: 0.45%  
-- Flow 3:  
Average throughput: 33.76 Mbit/s  
95th percentile per-packet one-way delay: 36.276 ms  
Loss rate: 0.98%

Run 10: Report of LEDBAT — Data Link

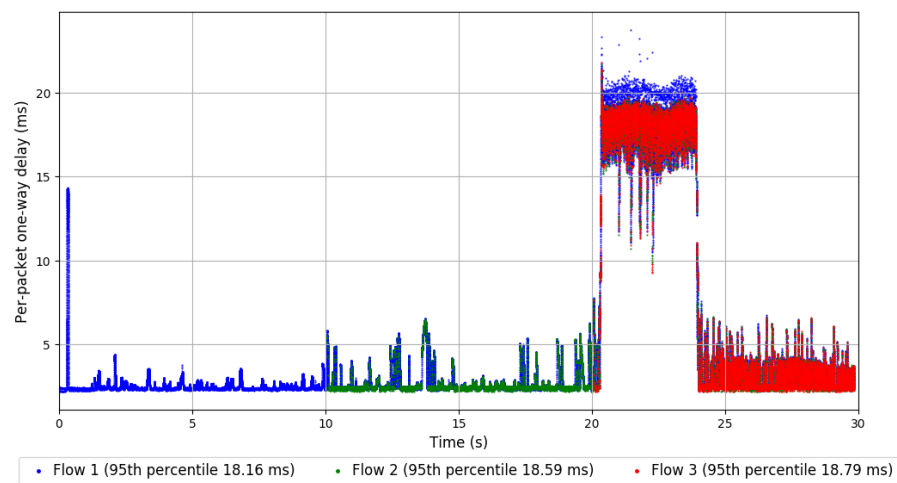
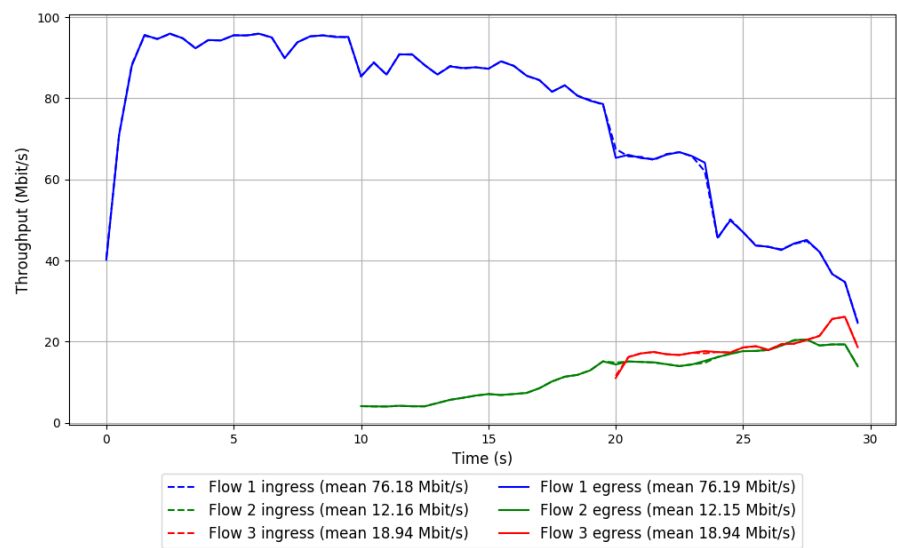


Run 1: Statistics of PCC

Start at: 2018-02-20 09:59:29  
End at: 2018-02-20 09:59:59  
Local clock offset: -13.101 ms  
Remote clock offset: -12.923 ms

# Below is generated by plot.py at 2018-02-20 16:40:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.49 Mbit/s  
95th percentile per-packet one-way delay: 18.338 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 76.19 Mbit/s  
95th percentile per-packet one-way delay: 18.162 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 12.15 Mbit/s  
95th percentile per-packet one-way delay: 18.585 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 18.94 Mbit/s  
95th percentile per-packet one-way delay: 18.792 ms  
Loss rate: 0.08%

Run 1: Report of PCC — Data Link

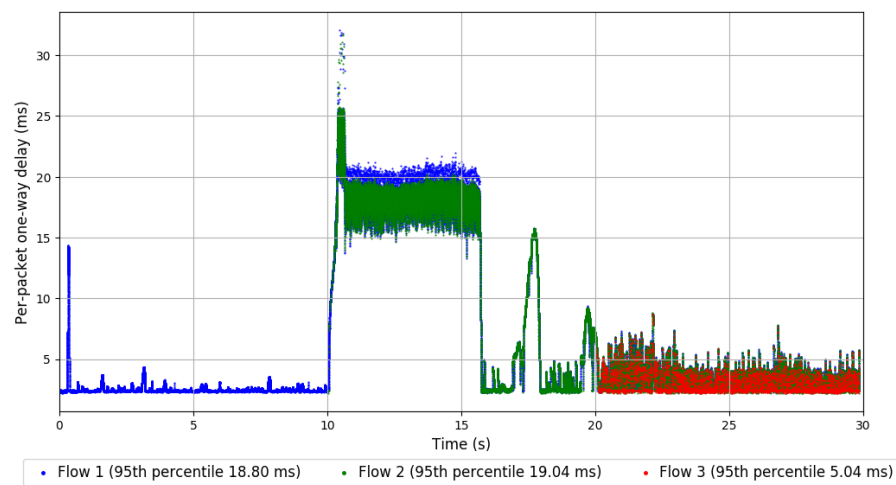
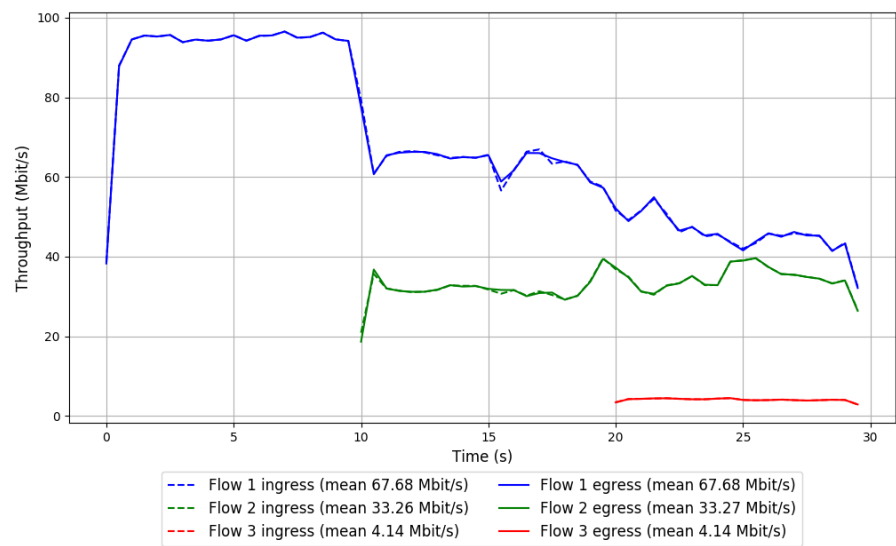


Run 2: Statistics of PCC

Start at: 2018-02-20 10:19:53  
End at: 2018-02-20 10:20:23  
Local clock offset: -13.238 ms  
Remote clock offset: -12.749 ms

# Below is generated by plot.py at 2018-02-20 16:40:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.15 Mbit/s  
95th percentile per-packet one-way delay: 18.860 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 67.68 Mbit/s  
95th percentile per-packet one-way delay: 18.800 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 33.27 Mbit/s  
95th percentile per-packet one-way delay: 19.035 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 4.14 Mbit/s  
95th percentile per-packet one-way delay: 5.037 ms  
Loss rate: 0.03%

Run 2: Report of PCC — Data Link



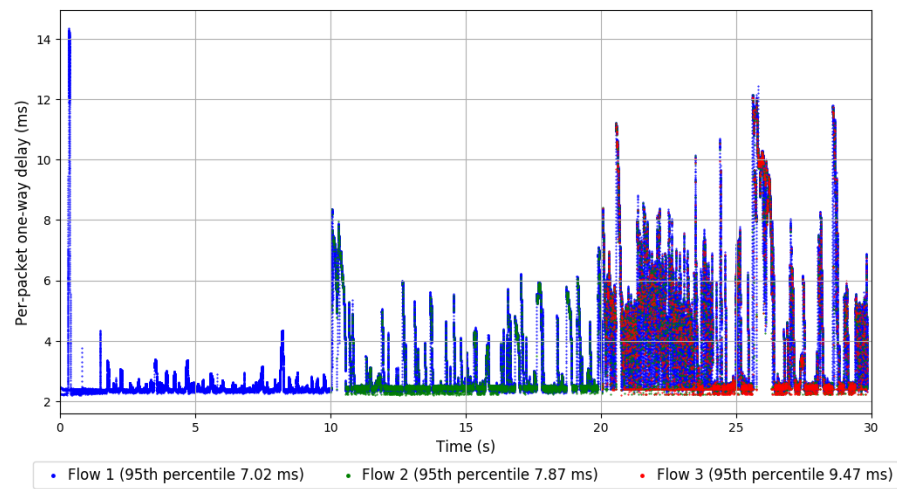
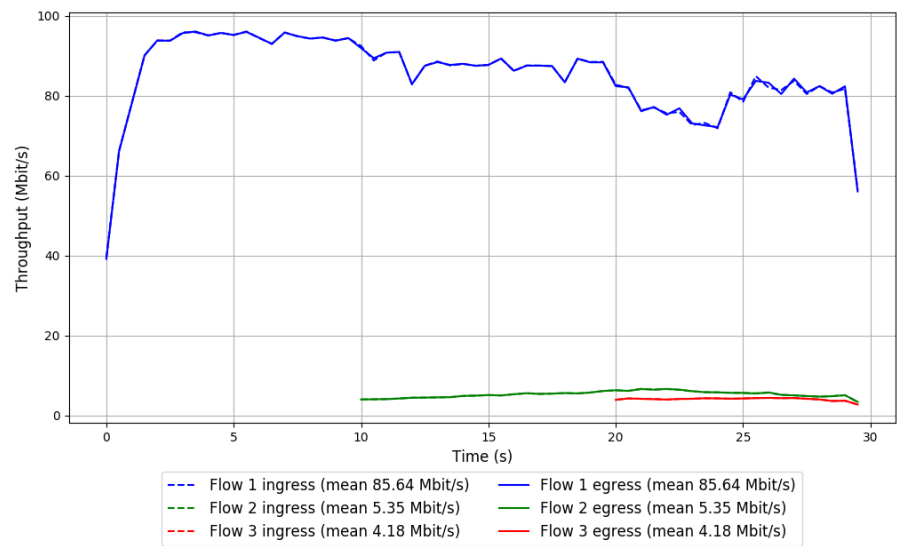
Run 3: Statistics of PCC

Start at: 2018-02-20 10:40:20  
End at: 2018-02-20 10:40:50  
Local clock offset: -14.813 ms  
Remote clock offset: -12.48 ms

# Below is generated by plot.py at 2018-02-20 16:40:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.57 Mbit/s  
95th percentile per-packet one-way delay: 7.142 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 85.64 Mbit/s  
95th percentile per-packet one-way delay: 7.021 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 5.35 Mbit/s  
95th percentile per-packet one-way delay: 7.873 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 4.18 Mbit/s  
95th percentile per-packet one-way delay: 9.474 ms  
Loss rate: 0.03%



Run 3: Report of PCC — Data Link

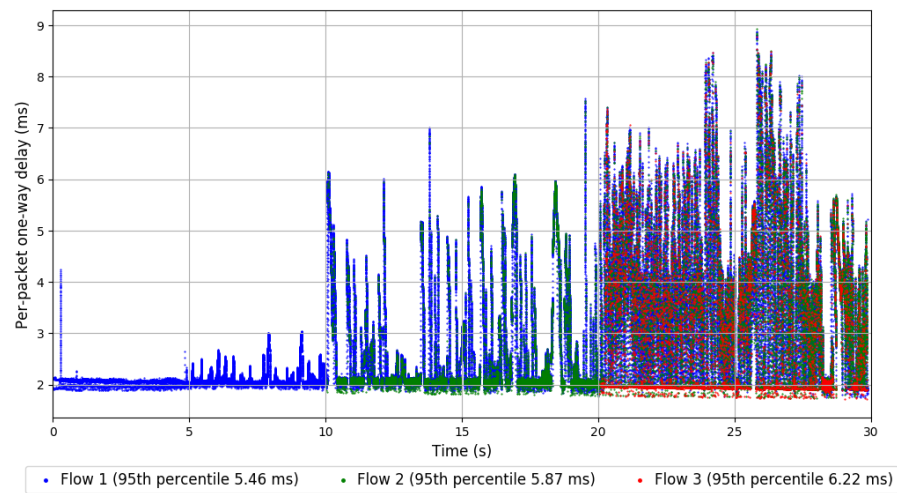
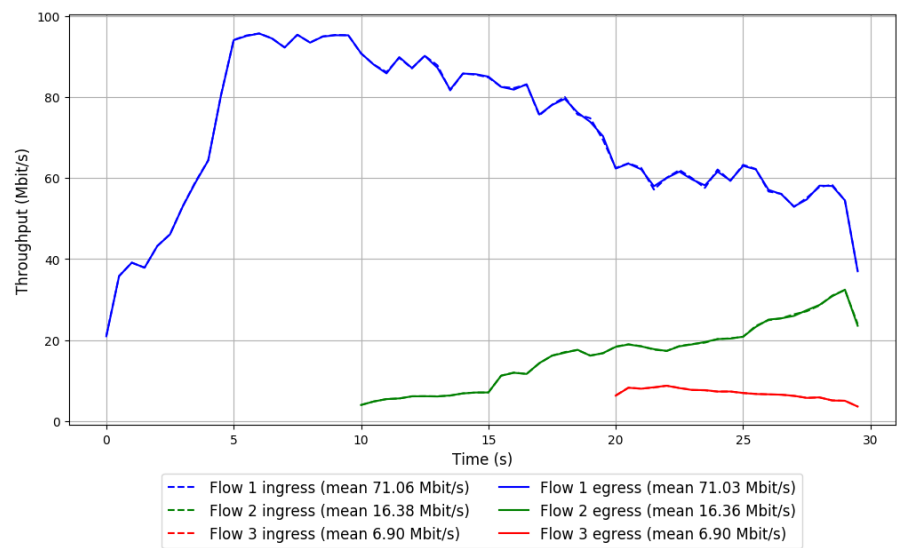


Run 4: Statistics of PCC

Start at: 2018-02-20 11:00:46  
End at: 2018-02-20 11:01:16  
Local clock offset: -14.318 ms  
Remote clock offset: -12.549 ms

# Below is generated by plot.py at 2018-02-20 16:40:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.17 Mbit/s  
95th percentile per-packet one-way delay: 5.561 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 71.03 Mbit/s  
95th percentile per-packet one-way delay: 5.456 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 16.36 Mbit/s  
95th percentile per-packet one-way delay: 5.868 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 6.90 Mbit/s  
95th percentile per-packet one-way delay: 6.224 ms  
Loss rate: 0.04%

Run 4: Report of PCC — Data Link

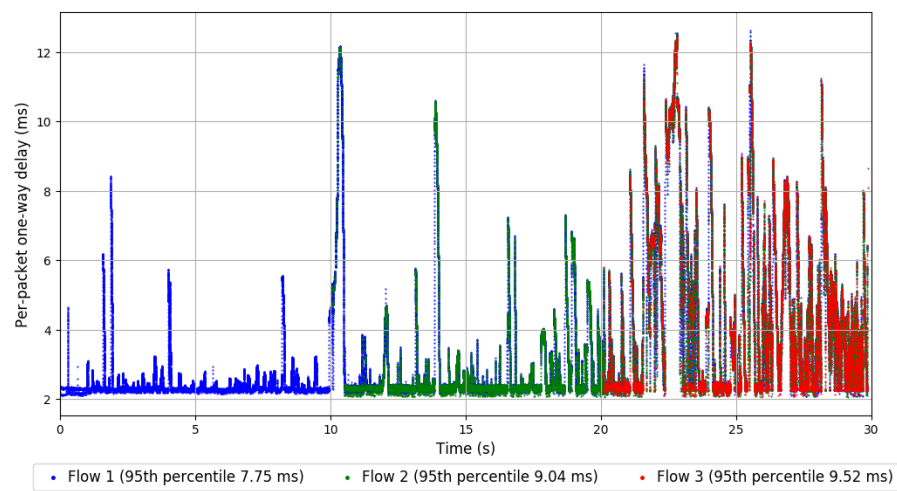
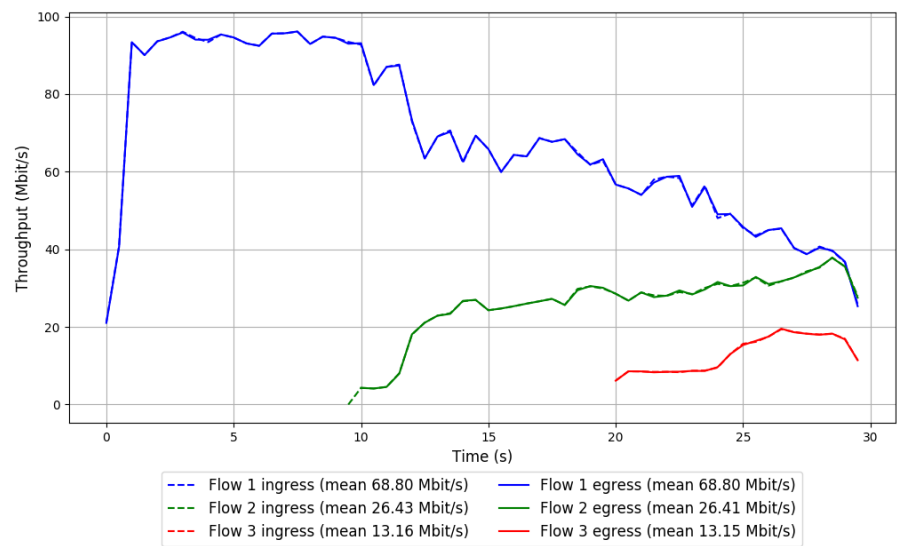


Run 5: Statistics of PCC

Start at: 2018-02-20 11:21:09  
End at: 2018-02-20 11:21:39  
Local clock offset: -11.044 ms  
Remote clock offset: -12.574 ms

# Below is generated by plot.py at 2018-02-20 16:41:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.69 Mbit/s  
95th percentile per-packet one-way delay: 8.178 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 68.80 Mbit/s  
95th percentile per-packet one-way delay: 7.753 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 26.41 Mbit/s  
95th percentile per-packet one-way delay: 9.043 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 13.15 Mbit/s  
95th percentile per-packet one-way delay: 9.515 ms  
Loss rate: 0.10%

Run 5: Report of PCC — Data Link

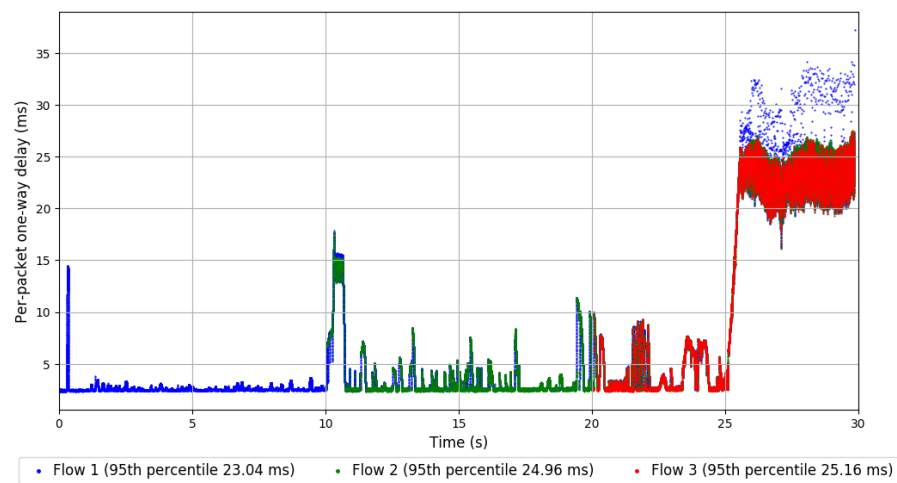
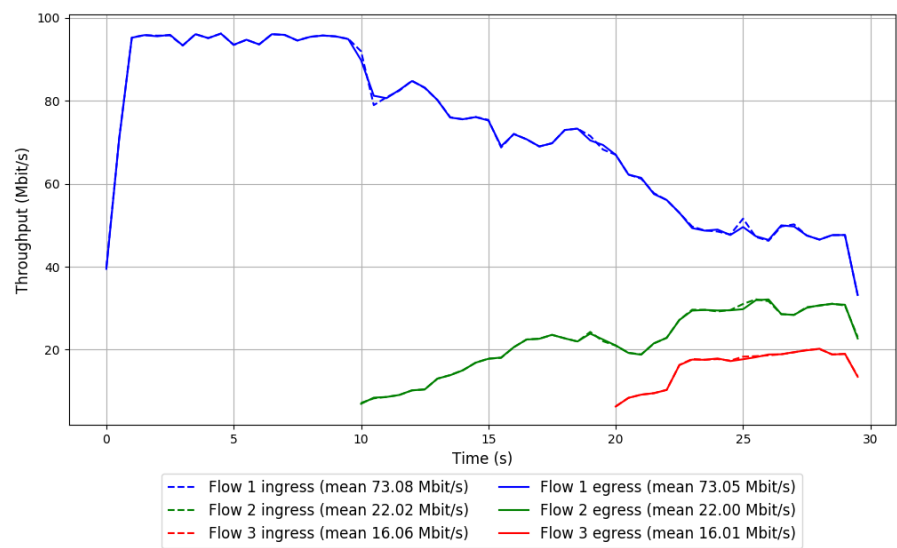


Run 6: Statistics of PCC

Start at: 2018-02-20 11:41:33  
End at: 2018-02-20 11:42:03  
Local clock offset: -13.429 ms  
Remote clock offset: -12.706 ms

# Below is generated by plot.py at 2018-02-20 16:41:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.93 Mbit/s  
95th percentile per-packet one-way delay: 24.026 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 73.05 Mbit/s  
95th percentile per-packet one-way delay: 23.036 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 22.00 Mbit/s  
95th percentile per-packet one-way delay: 24.961 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 16.01 Mbit/s  
95th percentile per-packet one-way delay: 25.158 ms  
Loss rate: 0.29%

Run 6: Report of PCC — Data Link



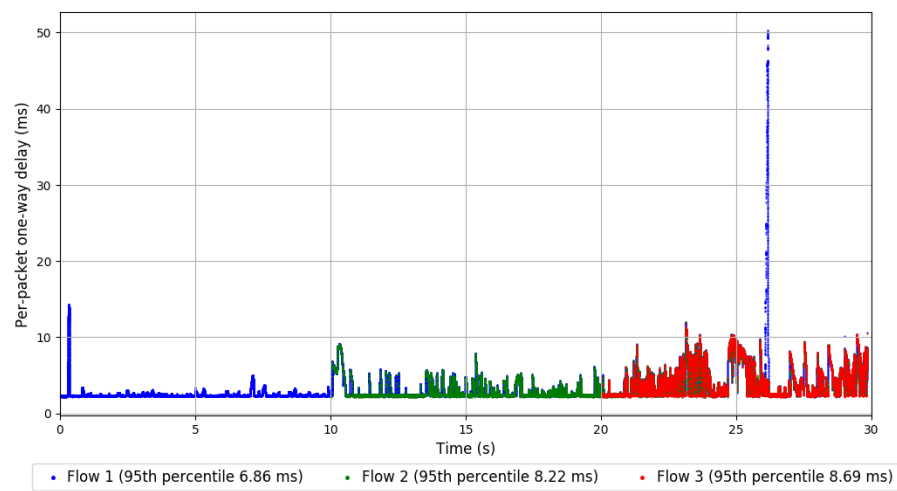
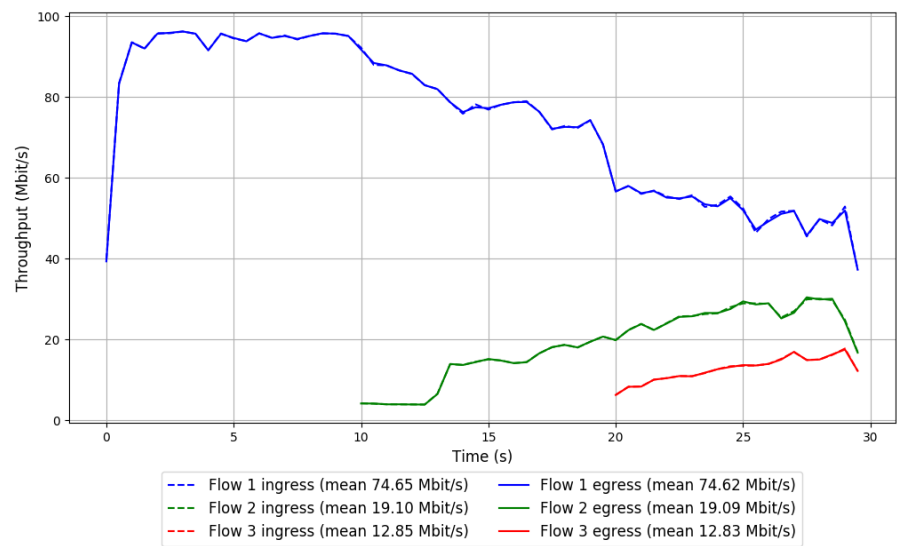
Run 7: Statistics of PCC

Start at: 2018-02-20 12:01:58  
End at: 2018-02-20 12:02:28  
Local clock offset: -15.134 ms  
Remote clock offset: -12.464 ms

# Below is generated by plot.py at 2018-02-20 16:41:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.53 Mbit/s  
95th percentile per-packet one-way delay: 7.389 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 74.62 Mbit/s  
95th percentile per-packet one-way delay: 6.859 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 19.09 Mbit/s  
95th percentile per-packet one-way delay: 8.221 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 12.83 Mbit/s  
95th percentile per-packet one-way delay: 8.690 ms  
Loss rate: 0.11%



Run 7: Report of PCC — Data Link

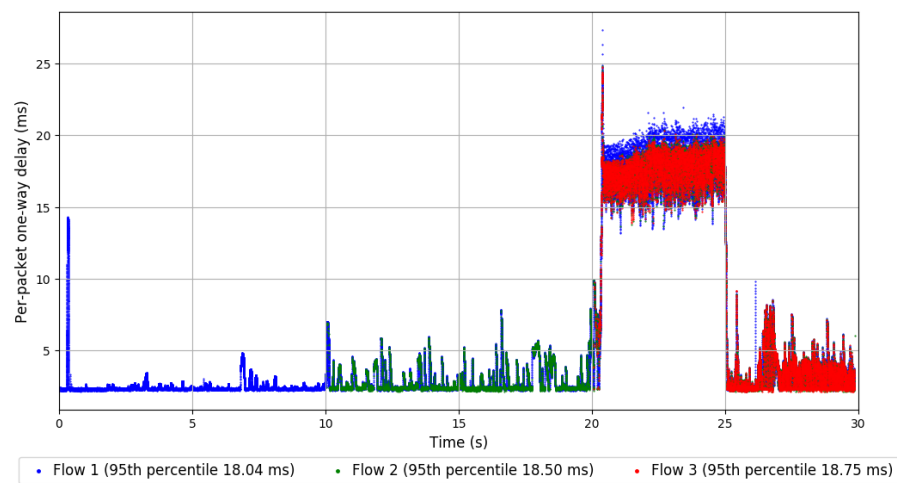
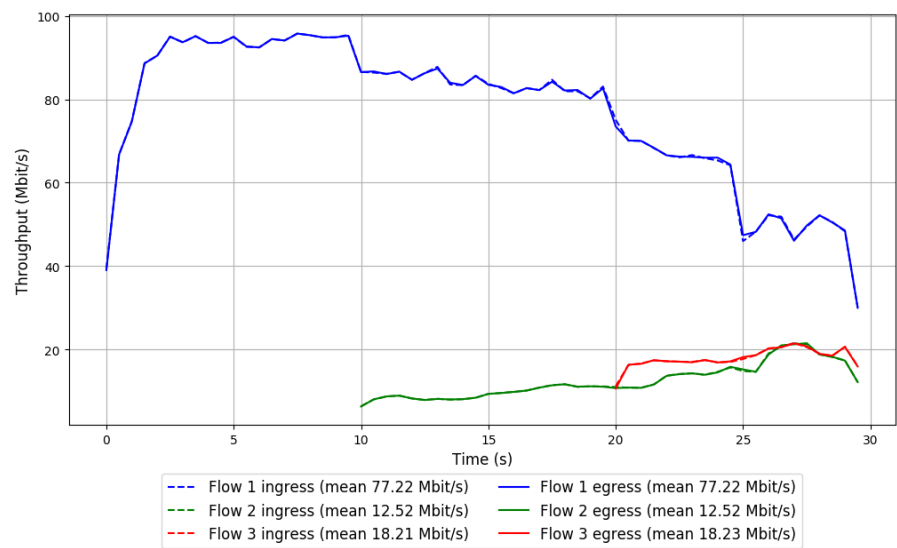


Run 8: Statistics of PCC

Start at: 2018-02-20 12:22:22  
End at: 2018-02-20 12:22:52  
Local clock offset: -14.517 ms  
Remote clock offset: -12.474 ms

# Below is generated by plot.py at 2018-02-20 16:41:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.53 Mbit/s  
95th percentile per-packet one-way delay: 18.208 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 77.22 Mbit/s  
95th percentile per-packet one-way delay: 18.039 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 18.495 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 18.23 Mbit/s  
95th percentile per-packet one-way delay: 18.747 ms  
Loss rate: 0.06%

Run 8: Report of PCC — Data Link

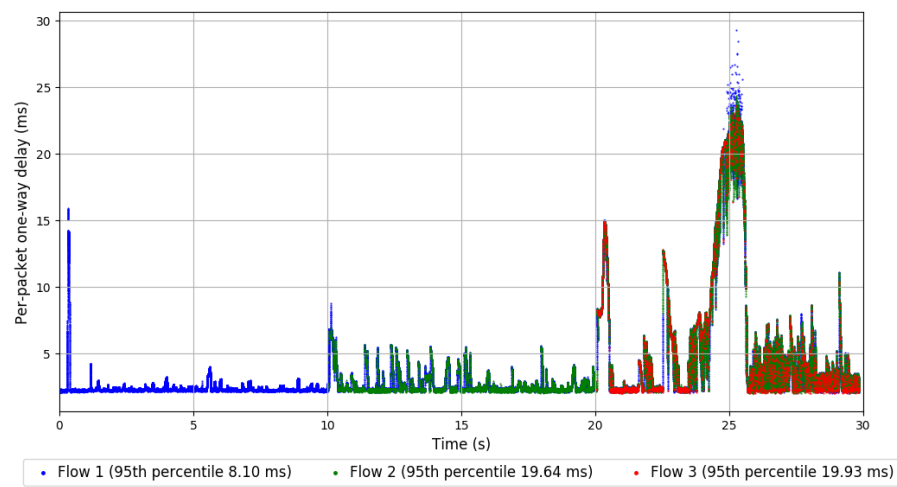
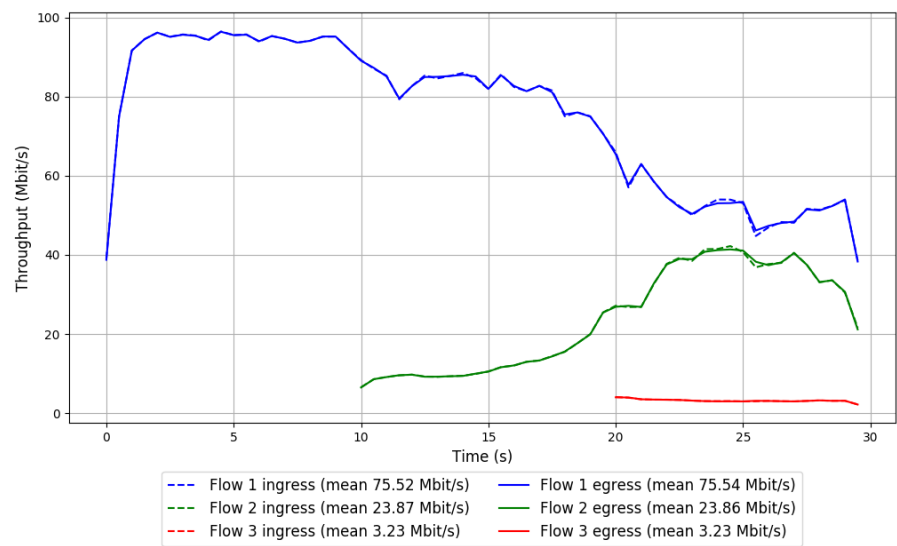


Run 9: Statistics of PCC

Start at: 2018-02-20 12:42:48  
End at: 2018-02-20 12:43:18  
Local clock offset: -14.321 ms  
Remote clock offset: -12.273 ms

# Below is generated by plot.py at 2018-02-20 16:41:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.47 Mbit/s  
95th percentile per-packet one-way delay: 11.964 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 75.54 Mbit/s  
95th percentile per-packet one-way delay: 8.103 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 23.86 Mbit/s  
95th percentile per-packet one-way delay: 19.641 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 3.23 Mbit/s  
95th percentile per-packet one-way delay: 19.934 ms  
Loss rate: 0.04%

Run 9: Report of PCC — Data Link

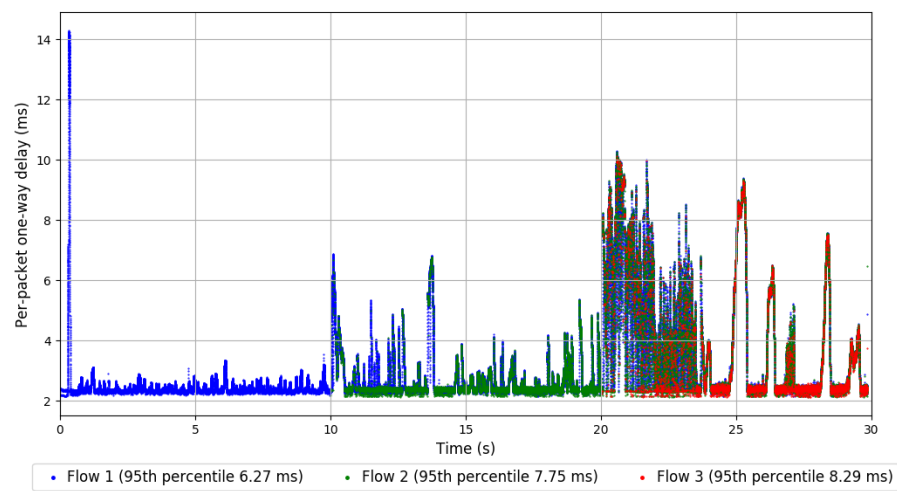
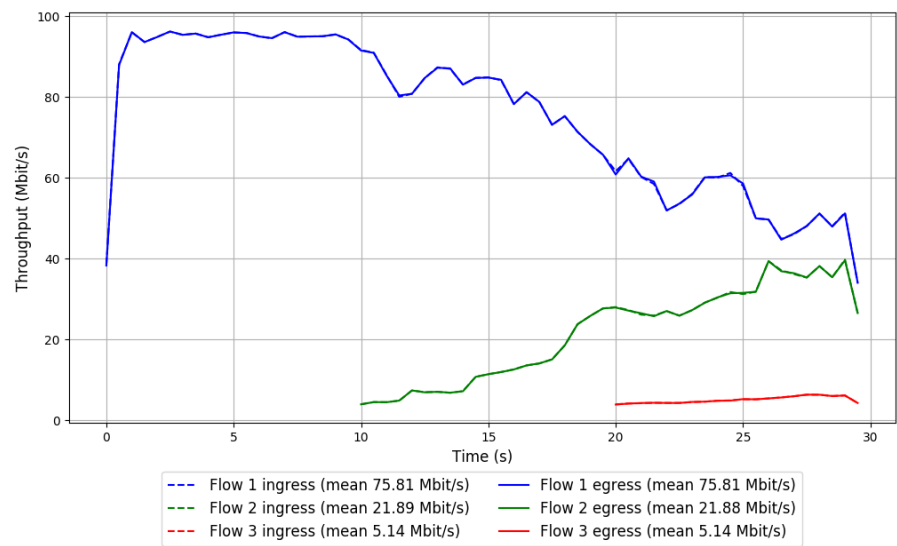


Run 10: Statistics of PCC

Start at: 2018-02-20 13:03:13  
End at: 2018-02-20 13:03:43  
Local clock offset: -13.26 ms  
Remote clock offset: -12.159 ms

# Below is generated by plot.py at 2018-02-20 16:41:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.05 Mbit/s  
95th percentile per-packet one-way delay: 6.640 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 75.81 Mbit/s  
95th percentile per-packet one-way delay: 6.271 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 21.88 Mbit/s  
95th percentile per-packet one-way delay: 7.748 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 5.14 Mbit/s  
95th percentile per-packet one-way delay: 8.289 ms  
Loss rate: 0.03%

Run 10: Report of PCC — Data Link



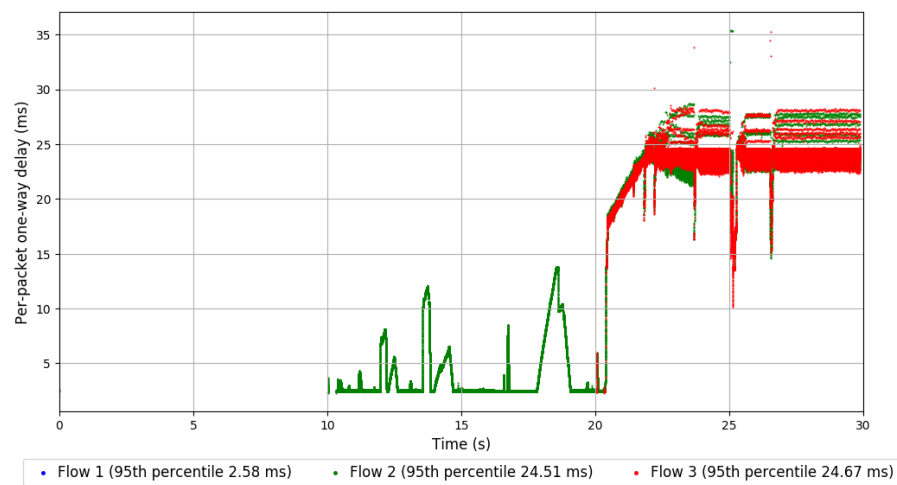
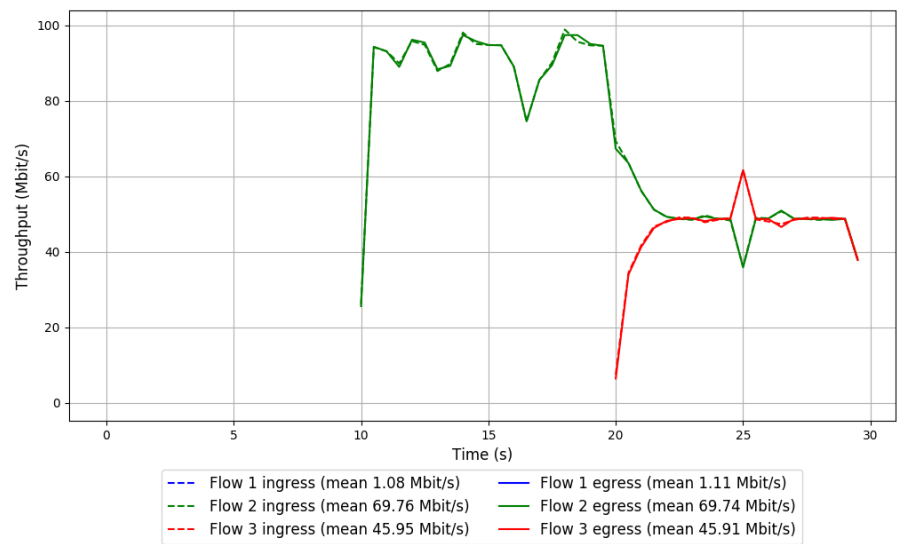
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 09:49:17  
End at: 2018-02-20 09:49:47  
Local clock offset: -12.78 ms  
Remote clock offset: -12.949 ms

# Below is generated by plot.py at 2018-02-20 16:41:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 61.53 Mbit/s  
95th percentile per-packet one-way delay: 24.547 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 2.576 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 69.74 Mbit/s  
95th percentile per-packet one-way delay: 24.514 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 45.91 Mbit/s  
95th percentile per-packet one-way delay: 24.669 ms  
Loss rate: 0.26%



Run 1: Report of QUIC Cubic — Data Link

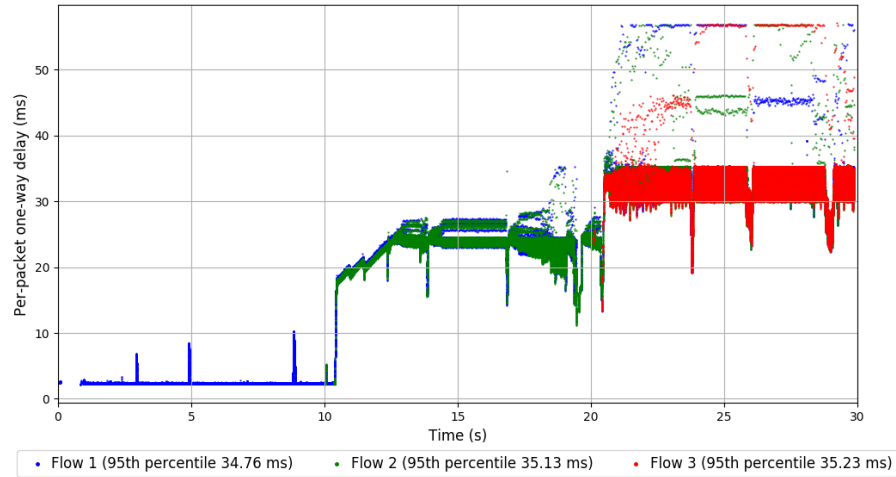
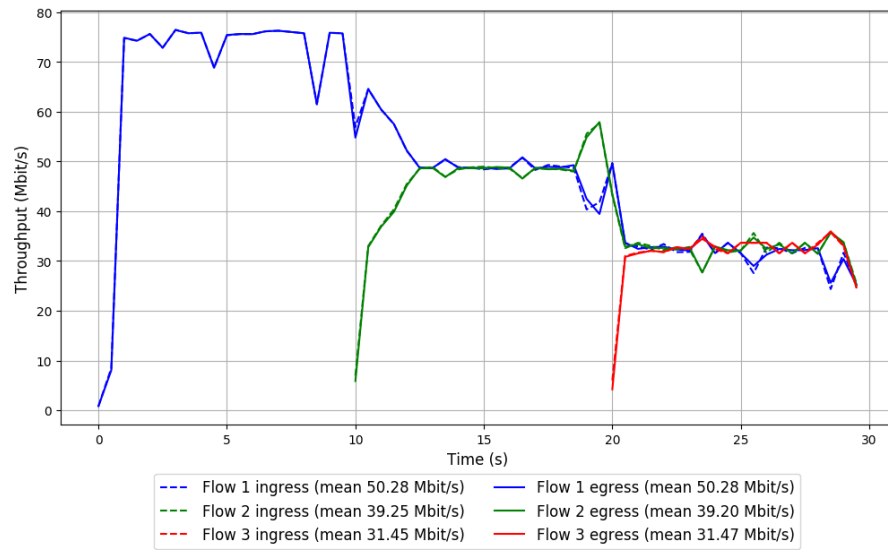


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 10:09:40  
End at: 2018-02-20 10:10:10  
Local clock offset: -13.265 ms  
Remote clock offset: -12.869 ms

# Below is generated by plot.py at 2018-02-20 16:41:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.71 Mbit/s  
95th percentile per-packet one-way delay: 35.131 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 50.28 Mbit/s  
95th percentile per-packet one-way delay: 34.757 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 39.20 Mbit/s  
95th percentile per-packet one-way delay: 35.126 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 31.47 Mbit/s  
95th percentile per-packet one-way delay: 35.229 ms  
Loss rate: 0.34%

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

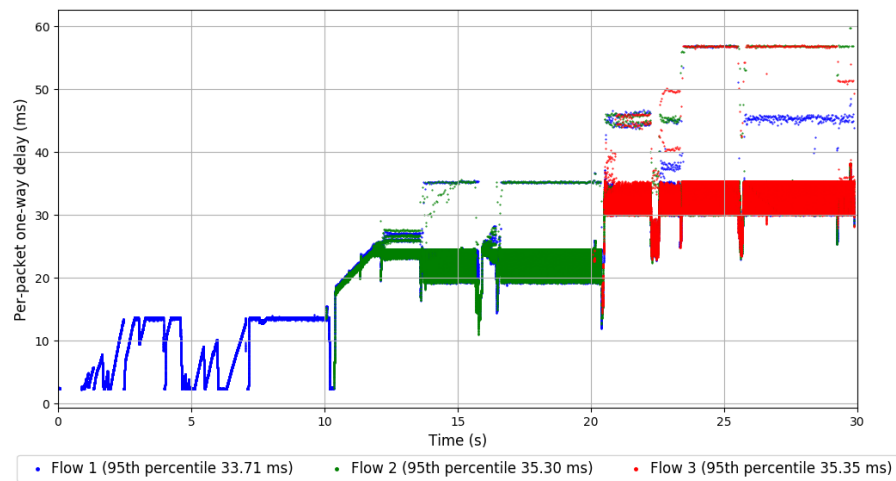
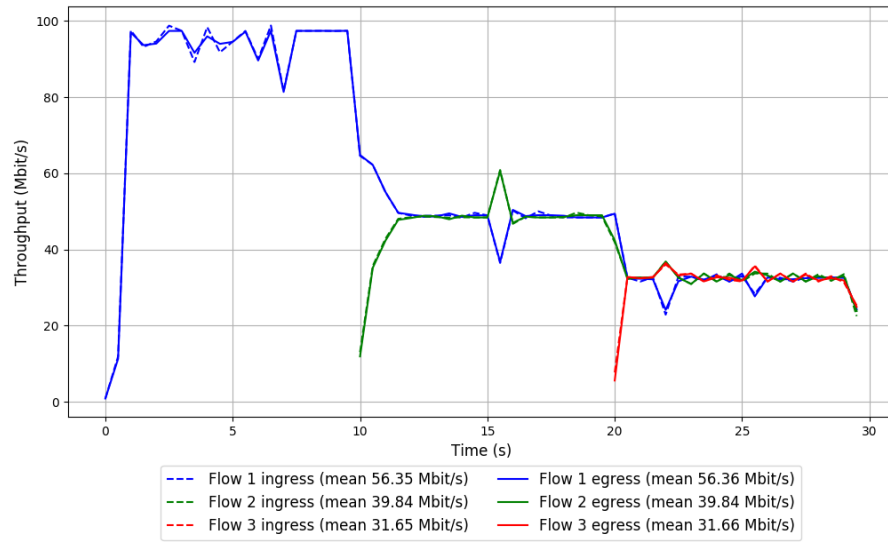


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 10:30:07  
End at: 2018-02-20 10:30:37  
Local clock offset: -14.097 ms  
Remote clock offset: -12.586 ms

# Below is generated by plot.py at 2018-02-20 16:42:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.22 Mbit/s  
95th percentile per-packet one-way delay: 35.244 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.36 Mbit/s  
95th percentile per-packet one-way delay: 33.713 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 39.84 Mbit/s  
95th percentile per-packet one-way delay: 35.297 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 31.66 Mbit/s  
95th percentile per-packet one-way delay: 35.354 ms  
Loss rate: 0.40%

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

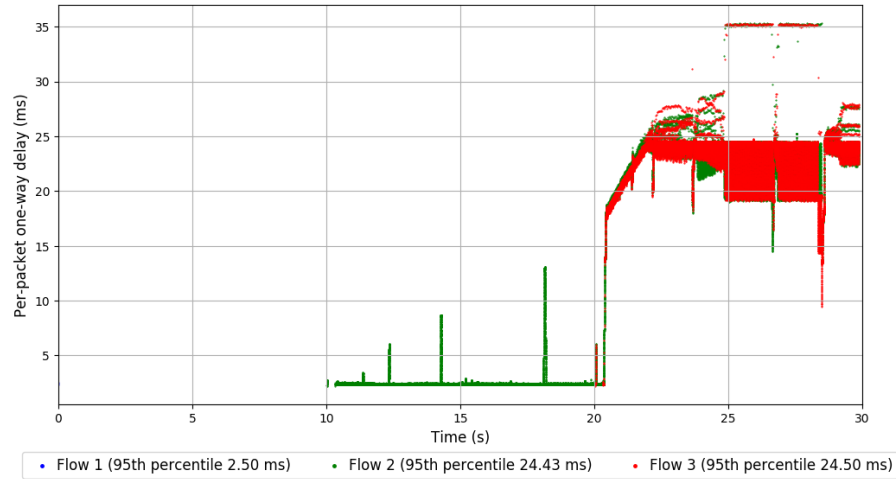
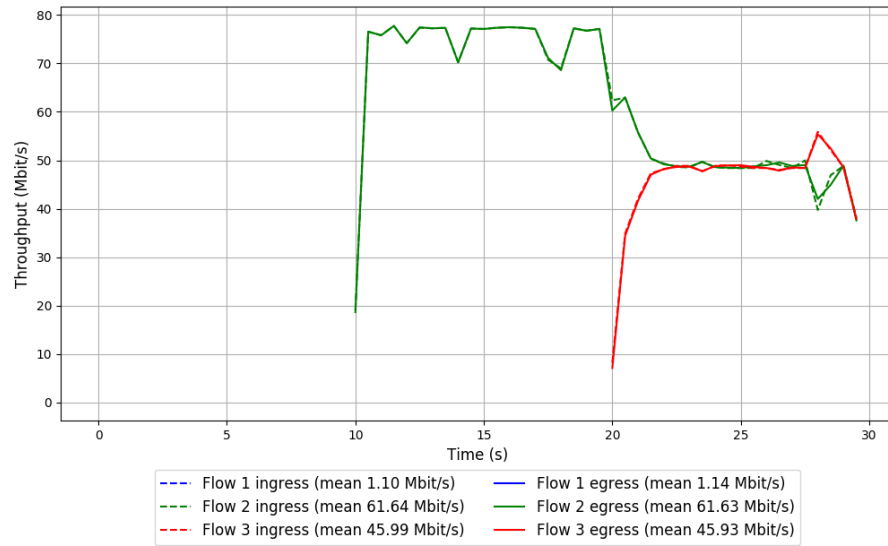


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 10:50:35  
End at: 2018-02-20 10:51:05  
Local clock offset: -15.272 ms  
Remote clock offset: -12.535 ms

# Below is generated by plot.py at 2018-02-20 16:42:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 56.15 Mbit/s  
95th percentile per-packet one-way delay: 24.459 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 1.14 Mbit/s  
95th percentile per-packet one-way delay: 2.499 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.63 Mbit/s  
95th percentile per-packet one-way delay: 24.435 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 45.93 Mbit/s  
95th percentile per-packet one-way delay: 24.496 ms  
Loss rate: 0.27%

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



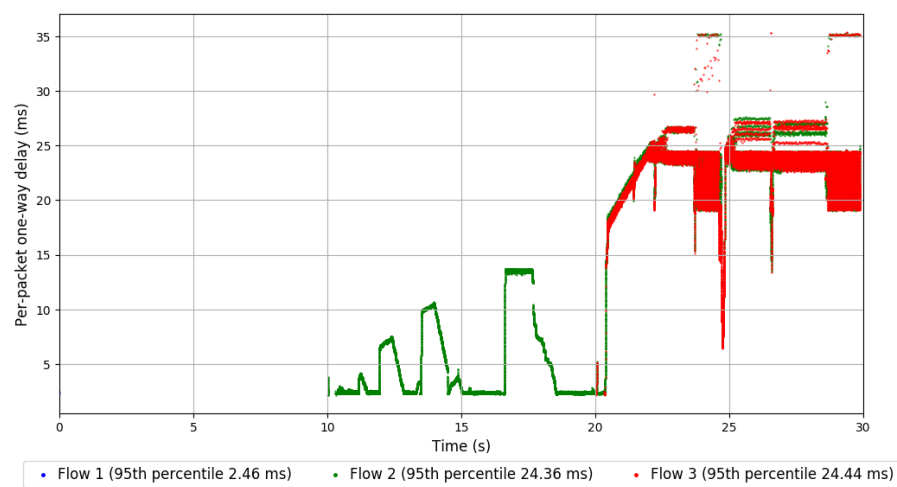
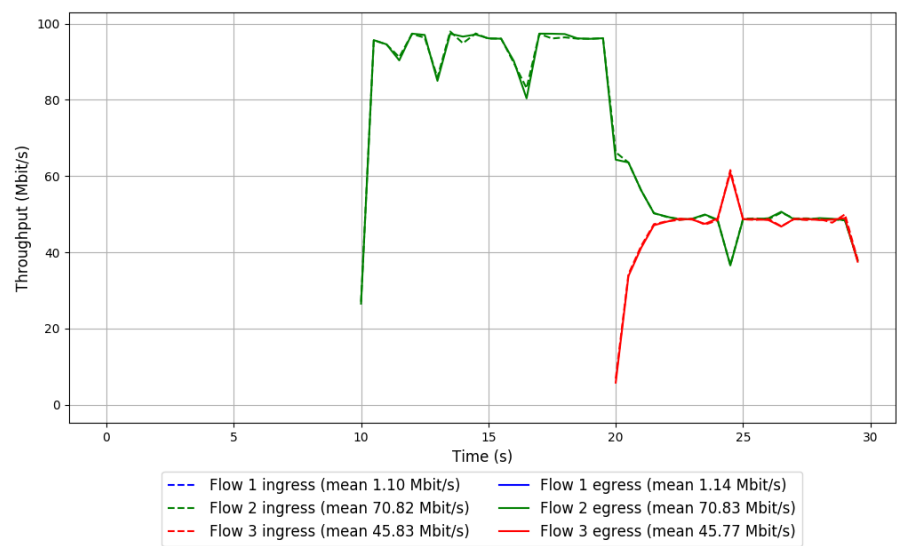
Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 11:10:58  
End at: 2018-02-20 11:11:28  
Local clock offset: -11.936 ms  
Remote clock offset: -12.629 ms

# Below is generated by plot.py at 2018-02-20 16:42:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.23 Mbit/s  
95th percentile per-packet one-way delay: 24.386 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 1.14 Mbit/s  
95th percentile per-packet one-way delay: 2.457 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 70.83 Mbit/s  
95th percentile per-packet one-way delay: 24.361 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 45.77 Mbit/s  
95th percentile per-packet one-way delay: 24.437 ms  
Loss rate: 0.34%



Run 5: Report of QUIC Cubic — Data Link

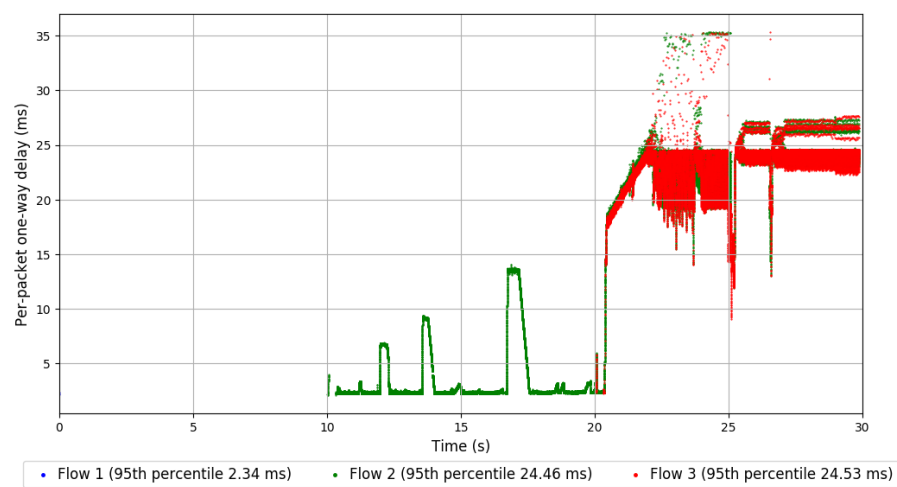
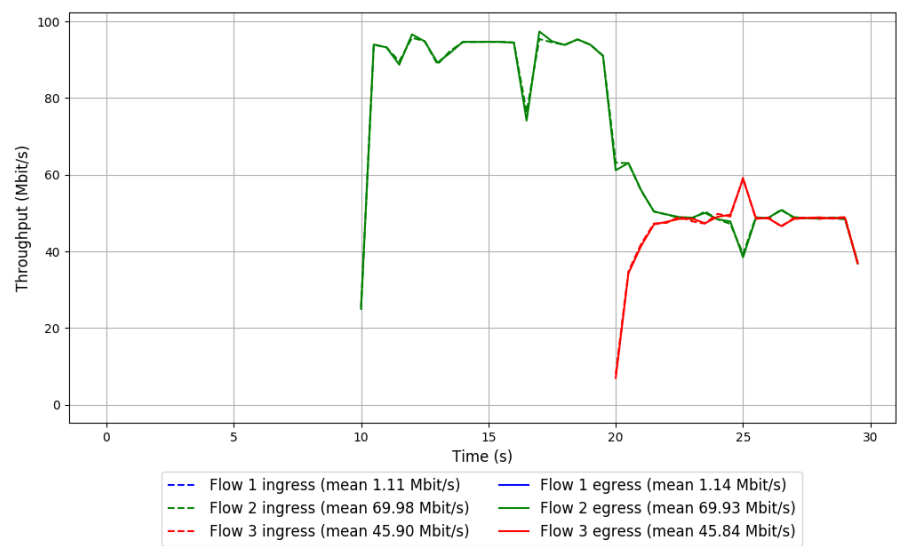


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 11:31:21  
End at: 2018-02-20 11:31:51  
Local clock offset: -10.621 ms  
Remote clock offset: -12.605 ms

# Below is generated by plot.py at 2018-02-20 16:42:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 61.62 Mbit/s  
95th percentile per-packet one-way delay: 24.489 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 1.14 Mbit/s  
95th percentile per-packet one-way delay: 2.340 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 69.93 Mbit/s  
95th percentile per-packet one-way delay: 24.461 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 45.84 Mbit/s  
95th percentile per-packet one-way delay: 24.534 ms  
Loss rate: 0.29%

Run 6: Report of QUIC Cubic — Data Link

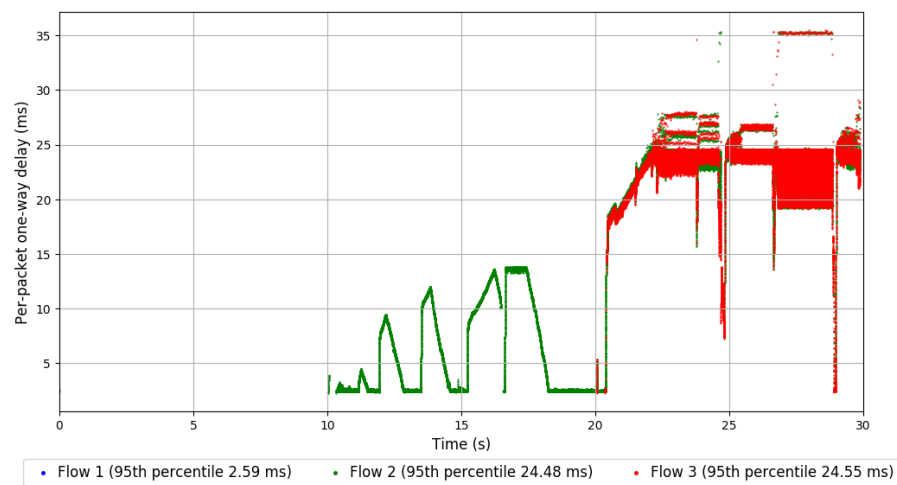
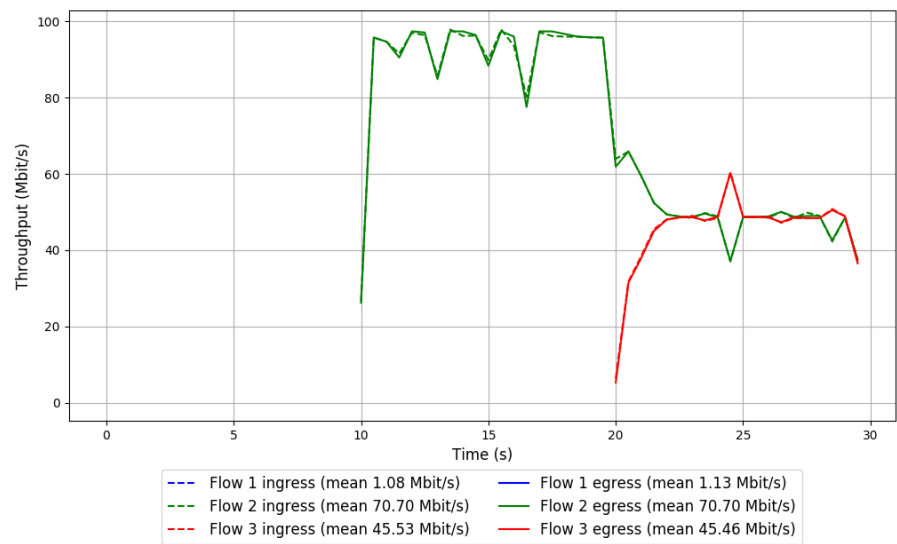


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 11:51:47  
End at: 2018-02-20 11:52:17  
Local clock offset: -14.584 ms  
Remote clock offset: -12.645 ms

# Below is generated by plot.py at 2018-02-20 16:42:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.01 Mbit/s  
95th percentile per-packet one-way delay: 24.513 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 2.588 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 70.70 Mbit/s  
95th percentile per-packet one-way delay: 24.485 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 45.46 Mbit/s  
95th percentile per-packet one-way delay: 24.553 ms  
Loss rate: 0.33%

Run 7: Report of QUIC Cubic — Data Link

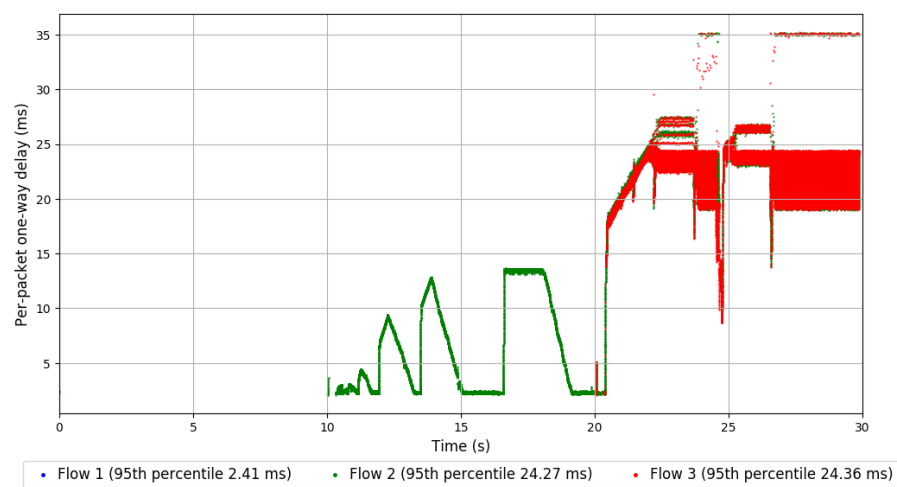
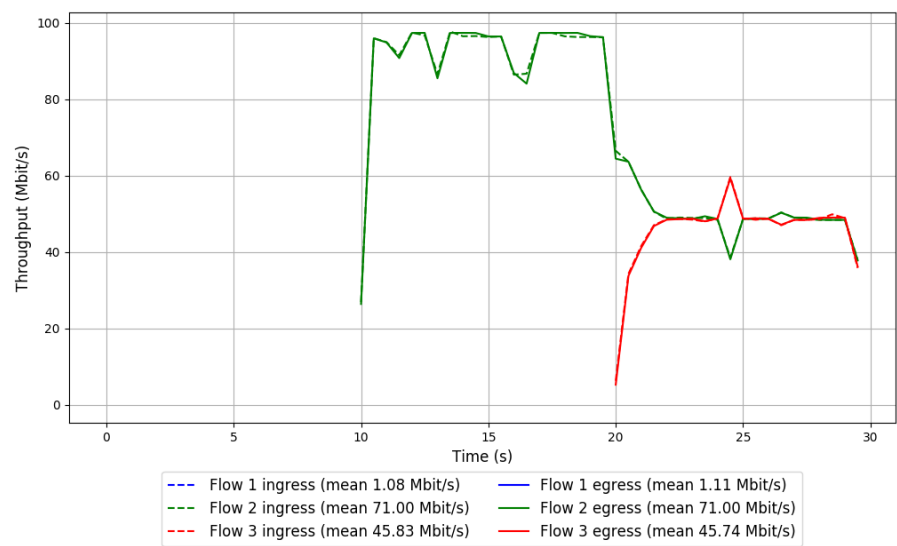


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 12:12:10  
End at: 2018-02-20 12:12:40  
Local clock offset: -14.859 ms  
Remote clock offset: -12.441 ms

# Below is generated by plot.py at 2018-02-20 16:42:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.31 Mbit/s  
95th percentile per-packet one-way delay: 24.310 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 2.409 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 71.00 Mbit/s  
95th percentile per-packet one-way delay: 24.273 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 45.74 Mbit/s  
95th percentile per-packet one-way delay: 24.355 ms  
Loss rate: 0.24%

Run 8: Report of QUIC Cubic — Data Link



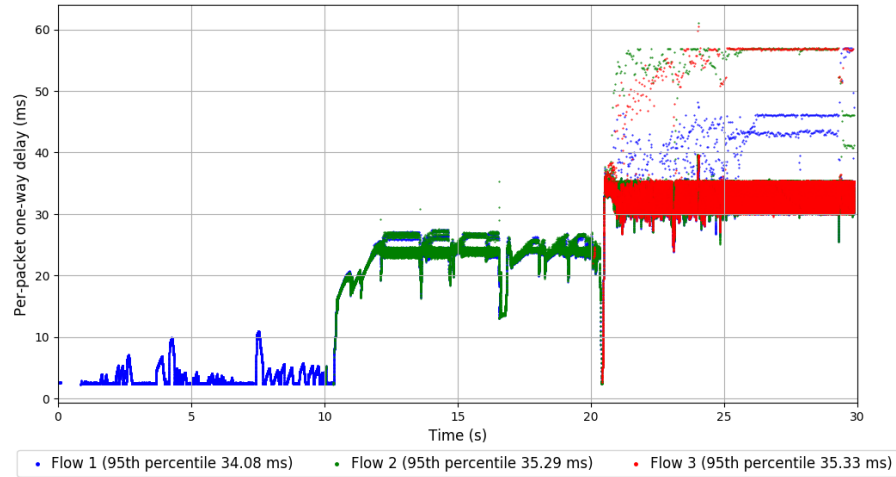
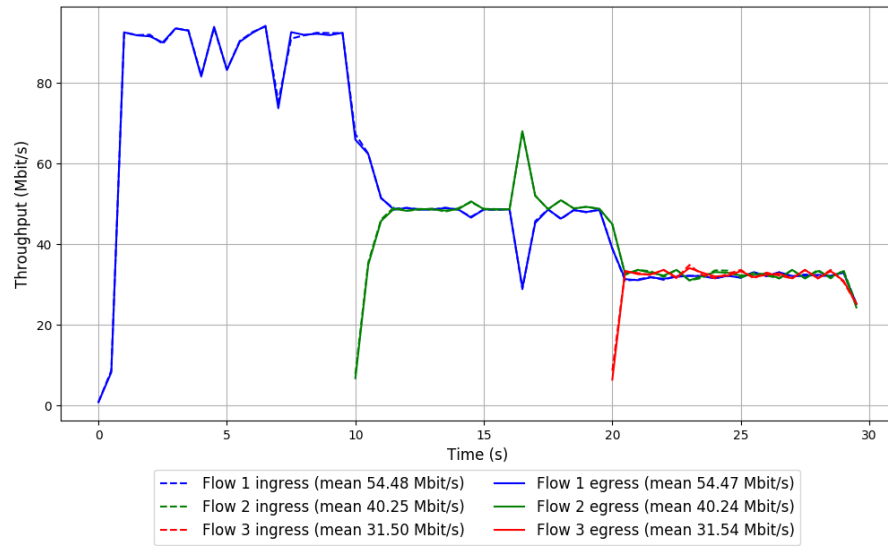
Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 12:32:34  
End at: 2018-02-20 12:33:04  
Local clock offset: -14.527 ms  
Remote clock offset: -12.434 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.57 Mbit/s  
95th percentile per-packet one-way delay: 35.233 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 54.47 Mbit/s  
95th percentile per-packet one-way delay: 34.083 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.24 Mbit/s  
95th percentile per-packet one-way delay: 35.292 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 31.54 Mbit/s  
95th percentile per-packet one-way delay: 35.326 ms  
Loss rate: 0.35%



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

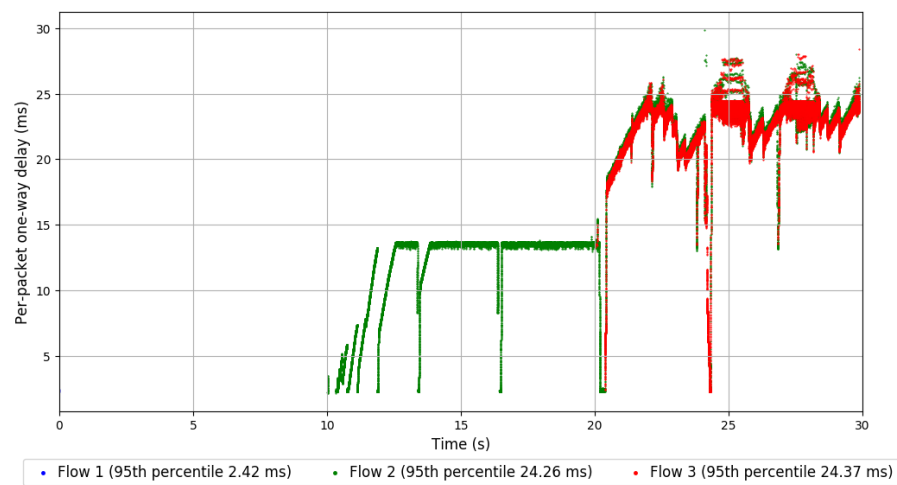
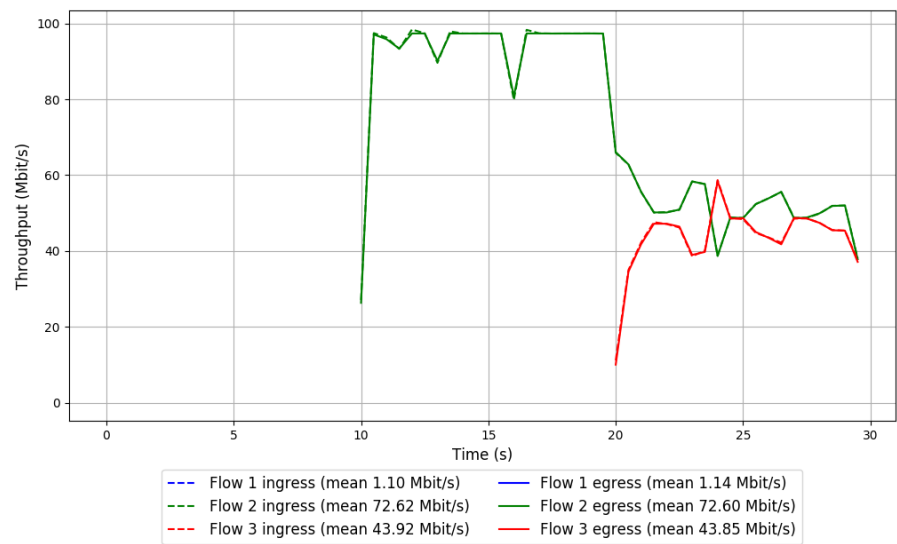


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 12:53:02  
End at: 2018-02-20 12:53:32  
Local clock offset: -13.563 ms  
Remote clock offset: -12.162 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.74 Mbit/s  
95th percentile per-packet one-way delay: 24.301 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 1.14 Mbit/s  
95th percentile per-packet one-way delay: 2.416 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 72.60 Mbit/s  
95th percentile per-packet one-way delay: 24.261 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 43.85 Mbit/s  
95th percentile per-packet one-way delay: 24.366 ms  
Loss rate: 0.34%

Run 10: Report of QUIC Cubic — Data Link

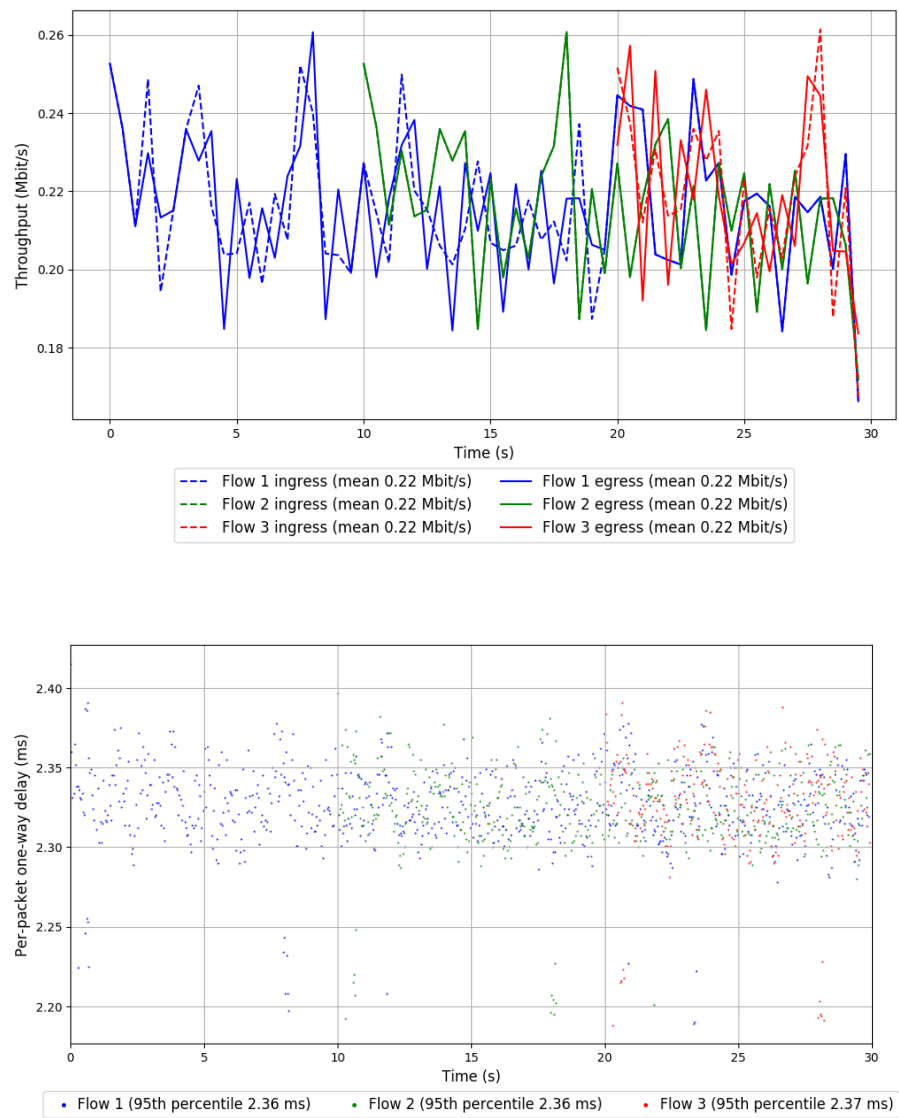


Run 1: Statistics of SReAM

Start at: 2018-02-20 09:47:06  
End at: 2018-02-20 09:47:36  
Local clock offset: -12.798 ms  
Remote clock offset: -12.87 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.363 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.362 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.361 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.365 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

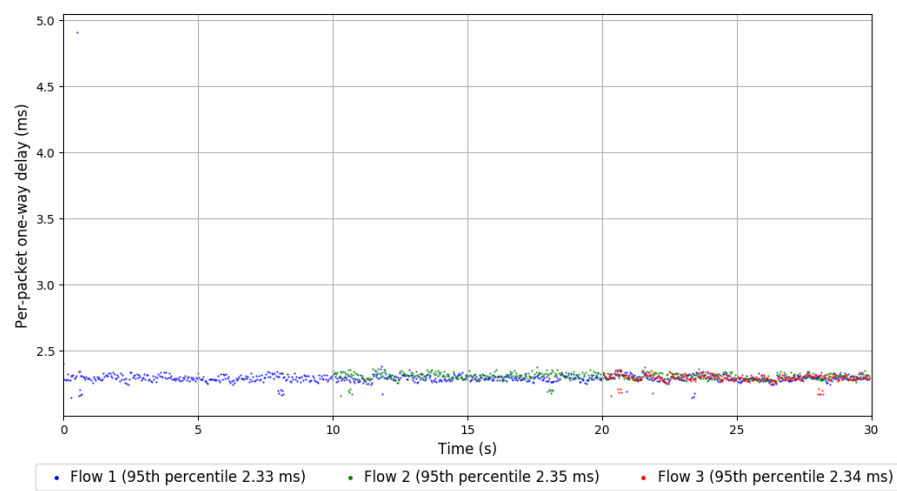
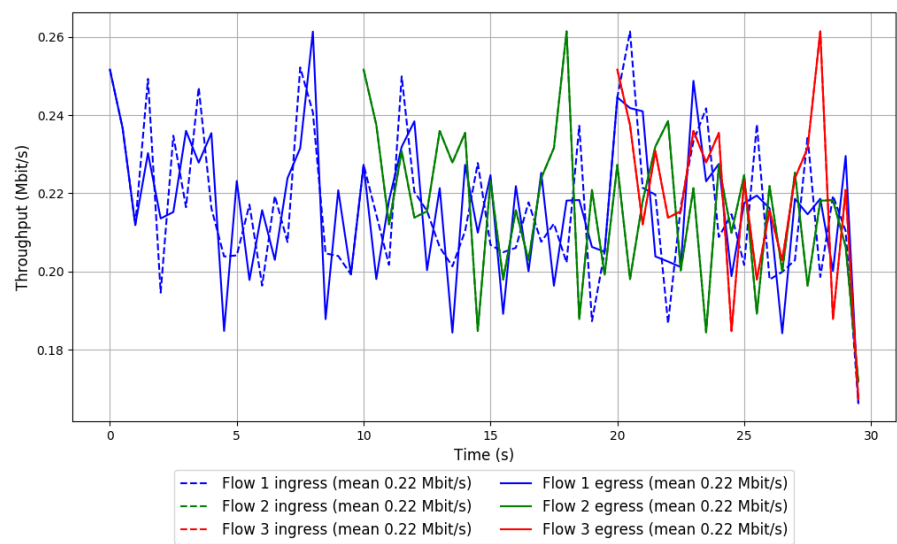


Run 2: Statistics of SReAM

Start at: 2018-02-20 10:07:29  
End at: 2018-02-20 10:07:59  
Local clock offset: -13.181 ms  
Remote clock offset: -12.819 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.342 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.333 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.352 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 2: Report of SReAM — Data Link



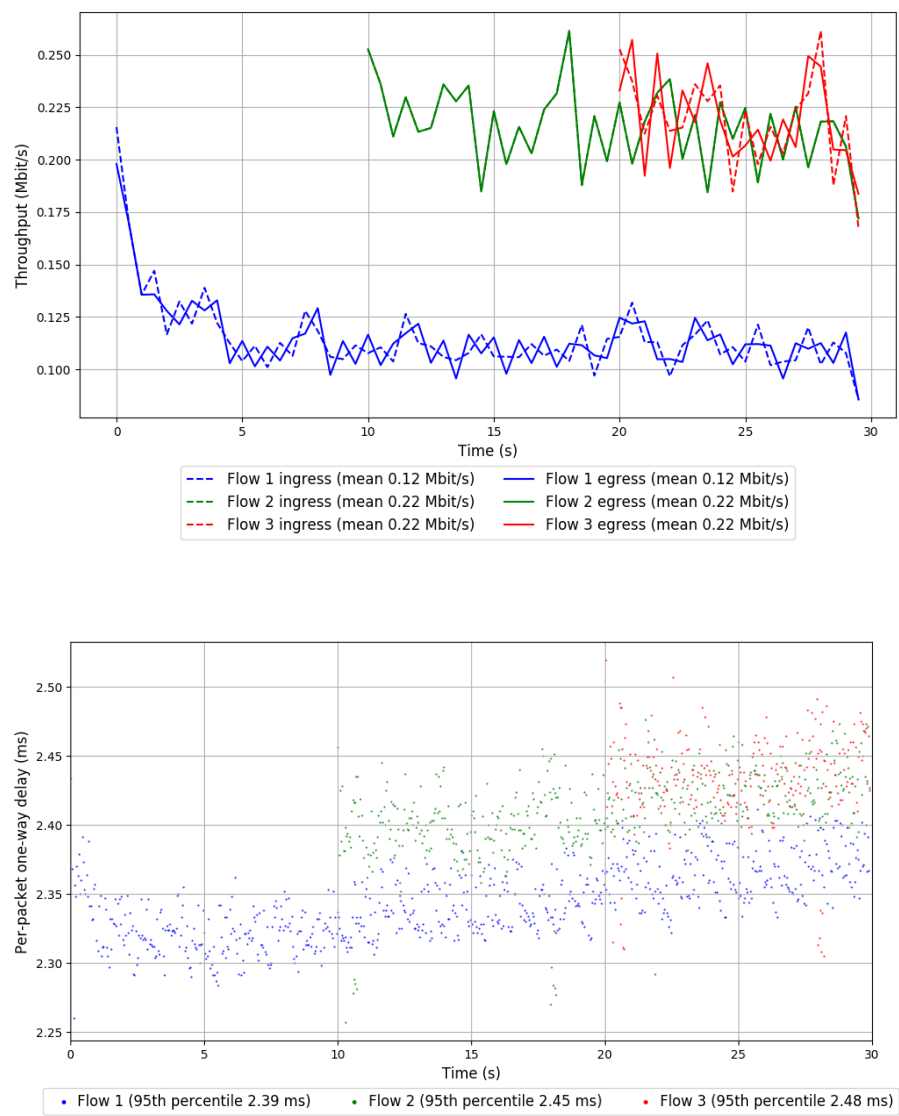
Run 3: Statistics of SReAM

Start at: 2018-02-20 10:27:56  
End at: 2018-02-20 10:28:26  
Local clock offset: -13.949 ms  
Remote clock offset: -12.678 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 2.454 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 2.389 ms  
Loss rate: 0.26%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.451 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.478 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

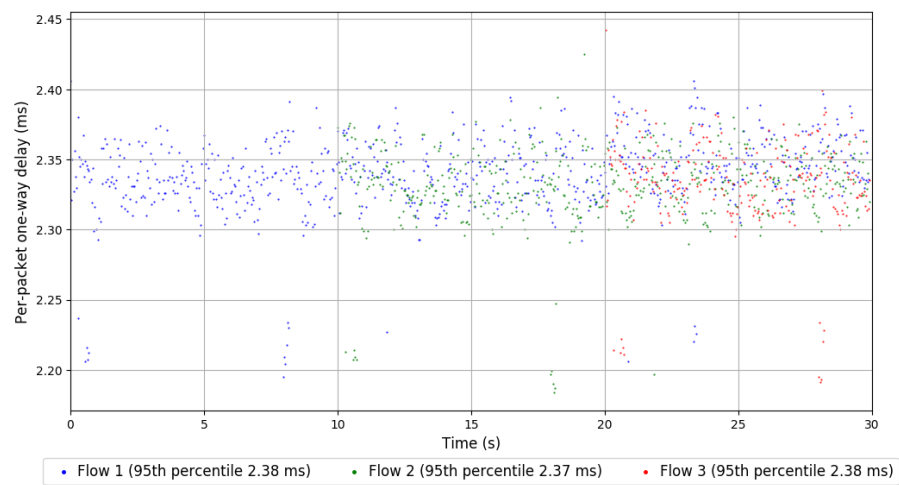
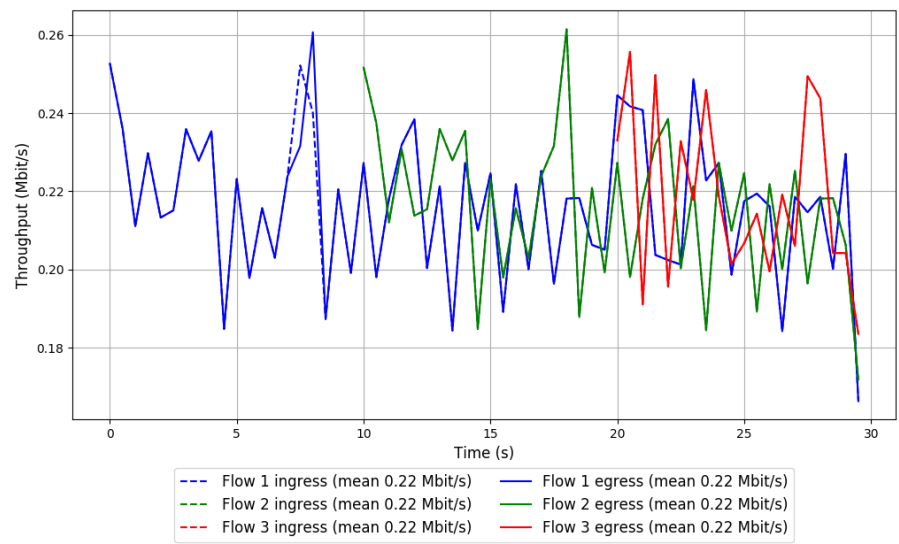


Run 4: Statistics of SReAM

Start at: 2018-02-20 10:48:23  
End at: 2018-02-20 10:48:53  
Local clock offset: -15.182 ms  
Remote clock offset: -12.504 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.374 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.375 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.367 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.375 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

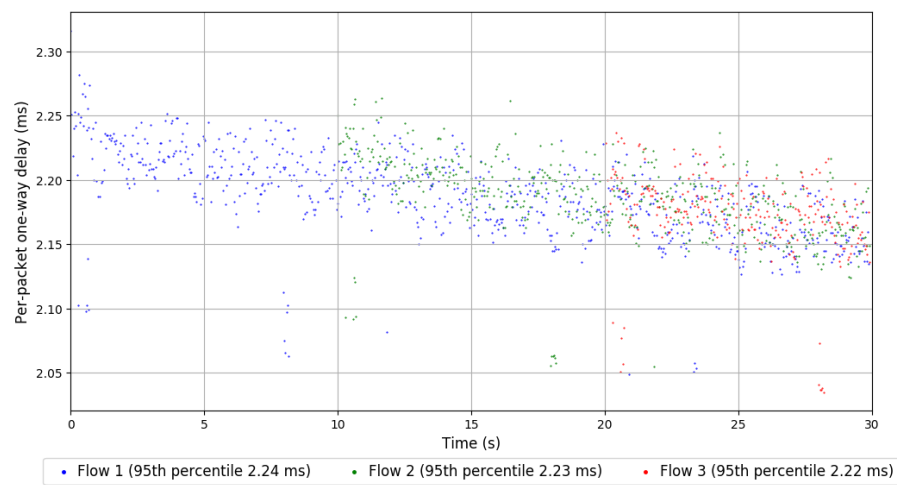
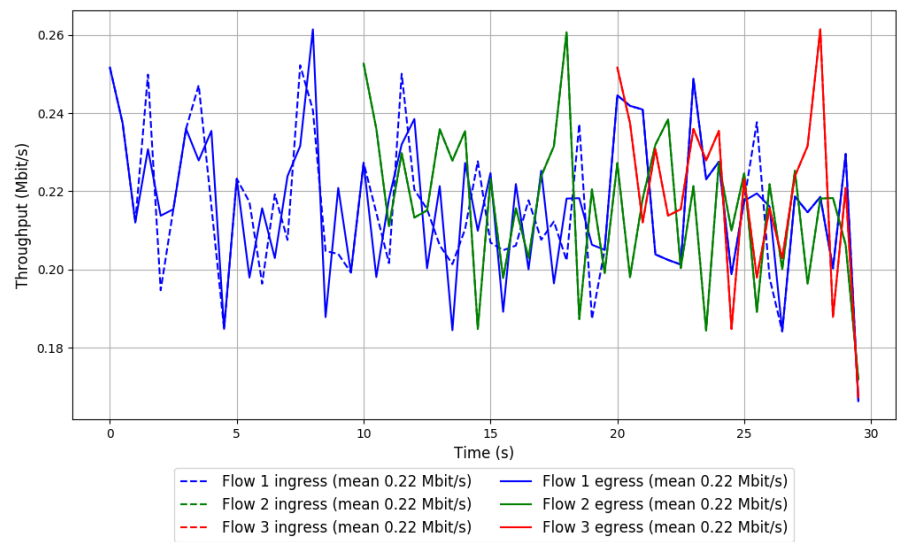


Run 5: Statistics of SReAM

Start at: 2018-02-20 11:08:46  
End at: 2018-02-20 11:09:16  
Local clock offset: -12.286 ms  
Remote clock offset: -12.578 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.233 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.239 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.230 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.217 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

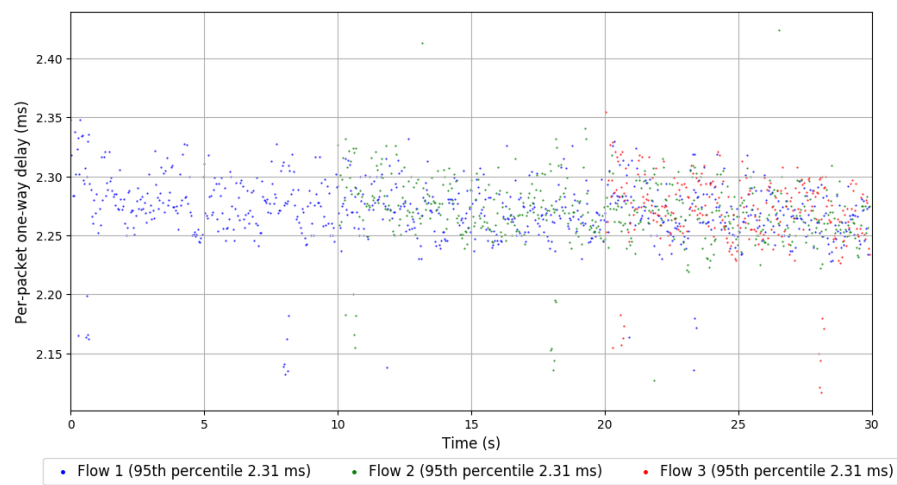
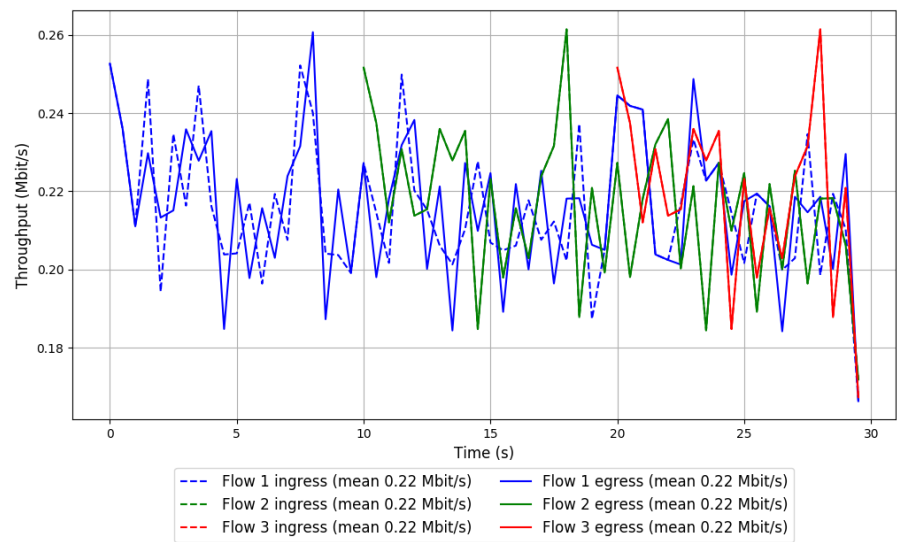


Run 6: Statistics of SReAM

Start at: 2018-02-20 11:29:09  
End at: 2018-02-20 11:29:39  
Local clock offset: -10.652 ms  
Remote clock offset: -12.603 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.313 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.310 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.313 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



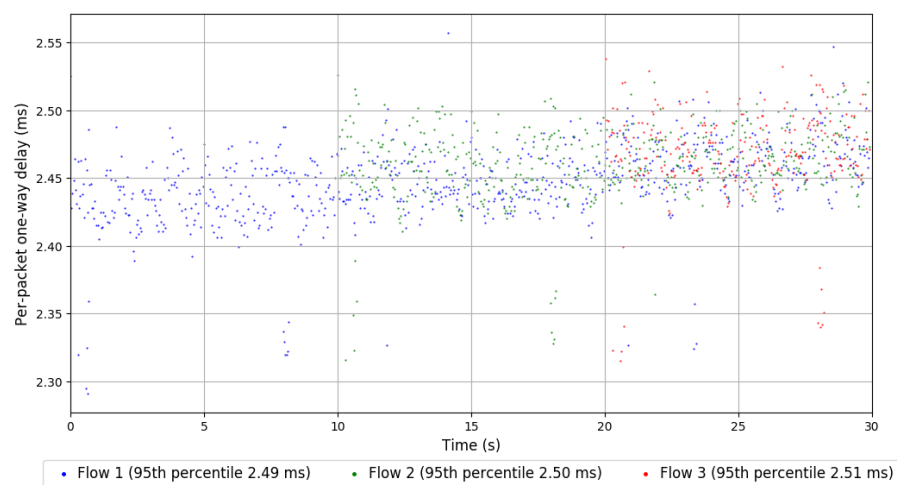
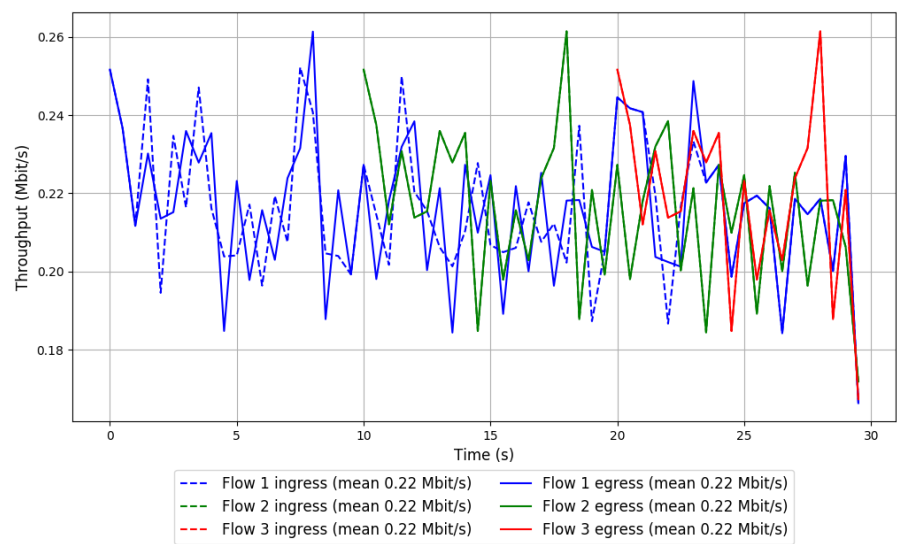
Run 7: Statistics of SReAM

Start at: 2018-02-20 11:49:35  
End at: 2018-02-20 11:50:05  
Local clock offset: -14.396 ms  
Remote clock offset: -12.707 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.499 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.488 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.500 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.510 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

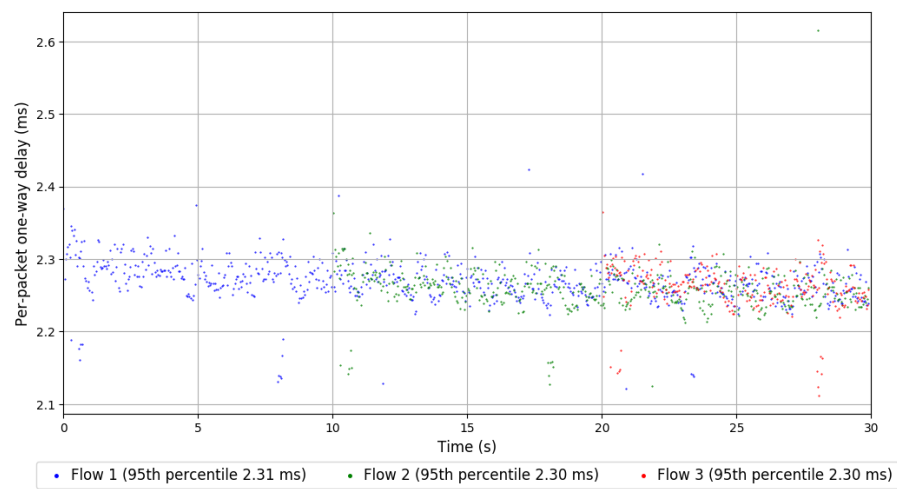
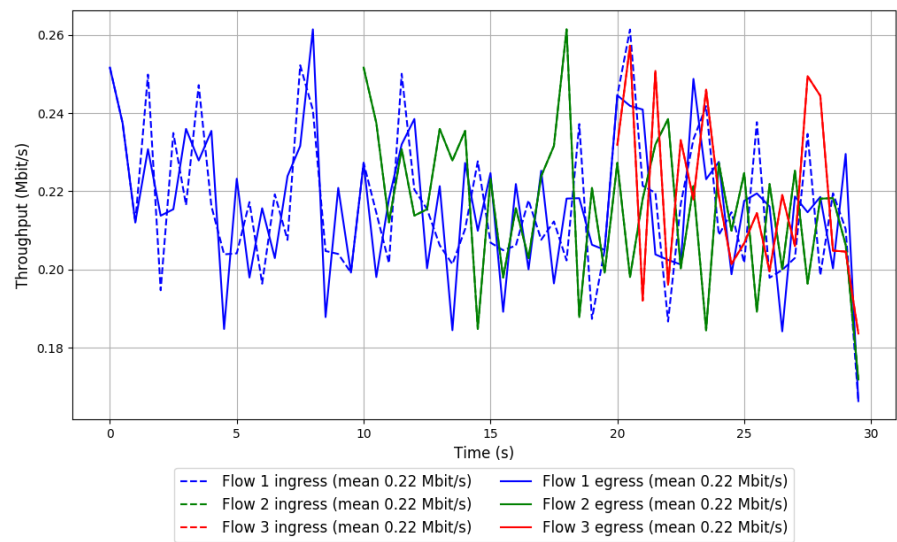


Run 8: Statistics of SReAM

Start at: 2018-02-20 12:09:58  
End at: 2018-02-20 12:10:28  
Local clock offset: -14.927 ms  
Remote clock offset: -12.446 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.308 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.312 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.297 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.303 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

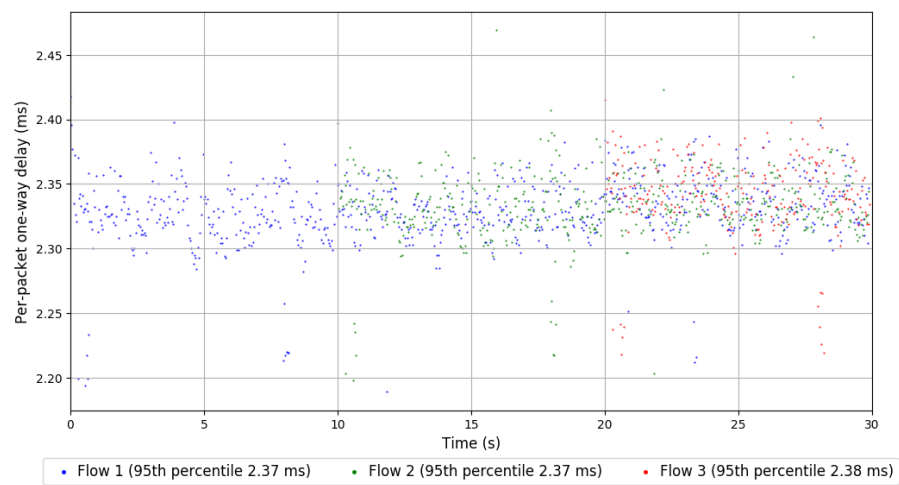
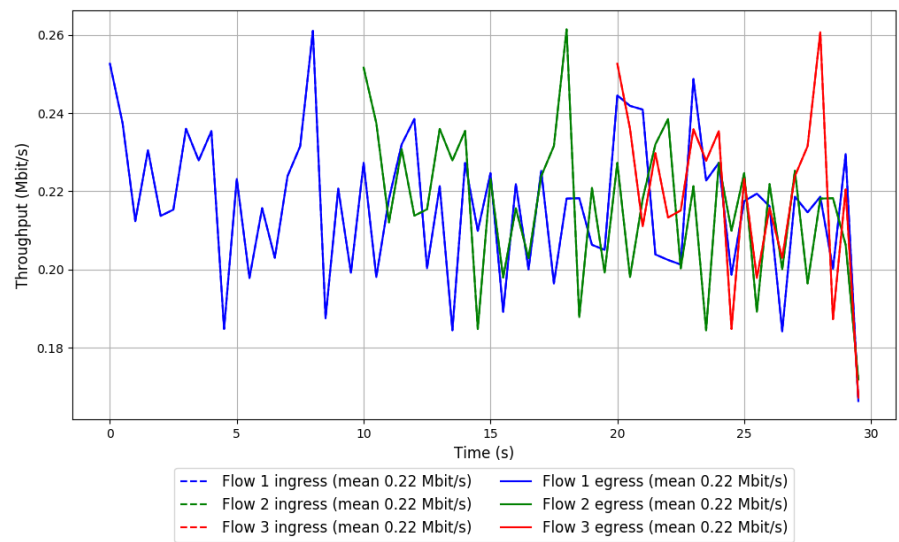


Run 9: Statistics of SReAM

Start at: 2018-02-20 12:30:22  
End at: 2018-02-20 12:30:52  
Local clock offset: -14.513 ms  
Remote clock offset: -12.399 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.373 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.367 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.370 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.381 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

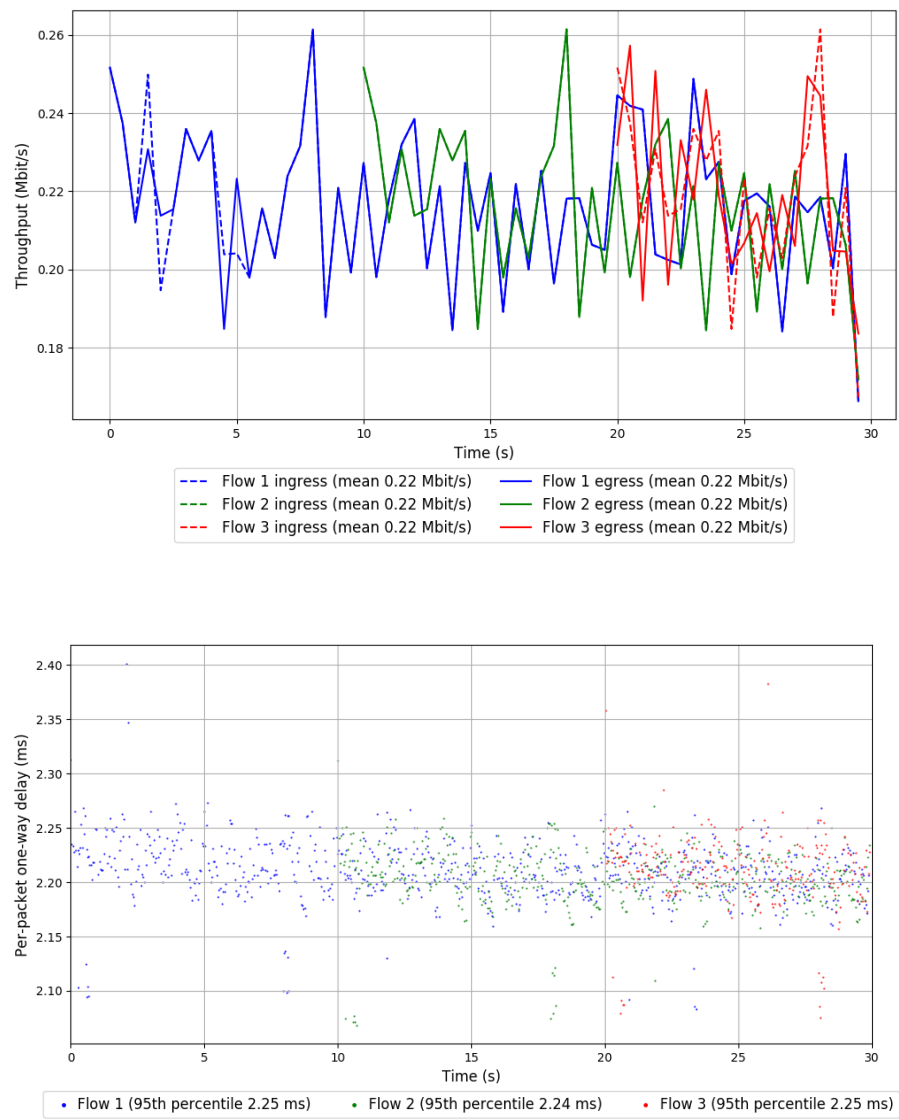


Run 10: Statistics of SReAM

Start at: 2018-02-20 12:50:48  
End at: 2018-02-20 12:51:18  
Local clock offset: -13.726 ms  
Remote clock offset: -12.164 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.250 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.252 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.244 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.251 ms  
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



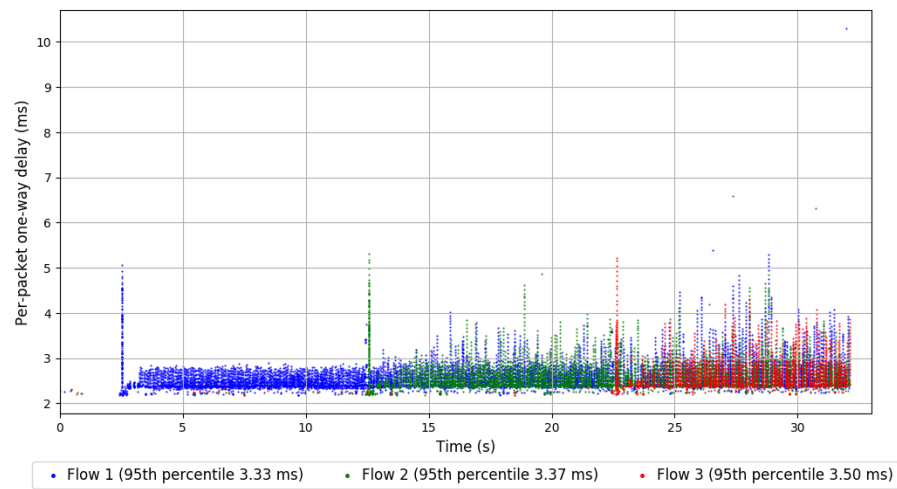
Run 1: Statistics of WebRTC media

Start at: 2018-02-20 09:52:44  
End at: 2018-02-20 09:53:14  
Local clock offset: -12.921 ms  
Remote clock offset: -12.905 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.49 Mbit/s  
95th percentile per-packet one-way delay: 3.380 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 3.327 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.48 Mbit/s  
95th percentile per-packet one-way delay: 3.372 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.68 Mbit/s  
95th percentile per-packet one-way delay: 3.505 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

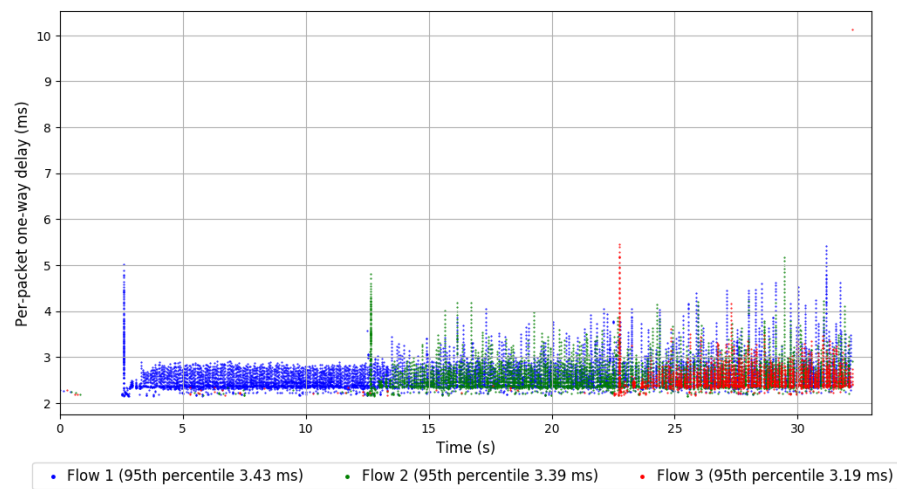
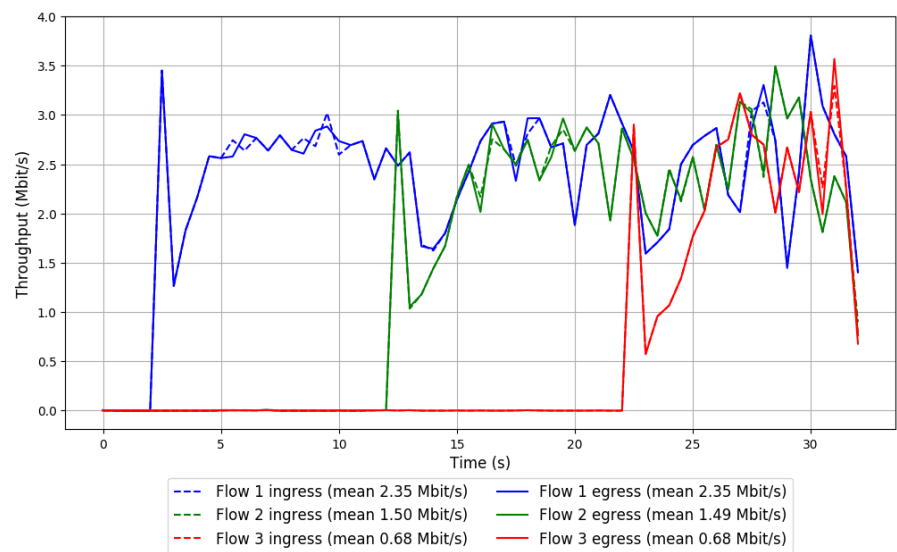


Run 2: Statistics of WebRTC media

Start at: 2018-02-20 10:13:09  
End at: 2018-02-20 10:13:39  
Local clock offset: -13.215 ms  
Remote clock offset: -12.774 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.49 Mbit/s  
95th percentile per-packet one-way delay: 3.383 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 3.432 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.49 Mbit/s  
95th percentile per-packet one-way delay: 3.391 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 0.68 Mbit/s  
95th percentile per-packet one-way delay: 3.189 ms  
Loss rate: 0.27%

Run 2: Report of WebRTC media — Data Link

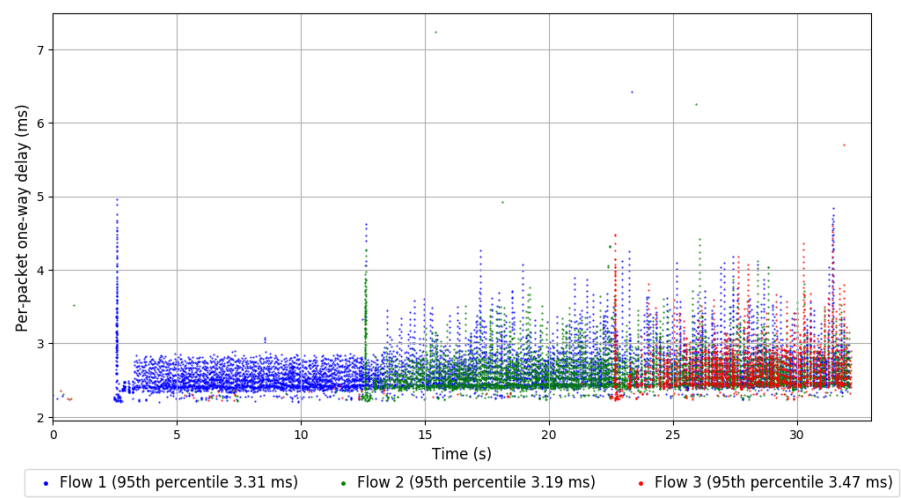
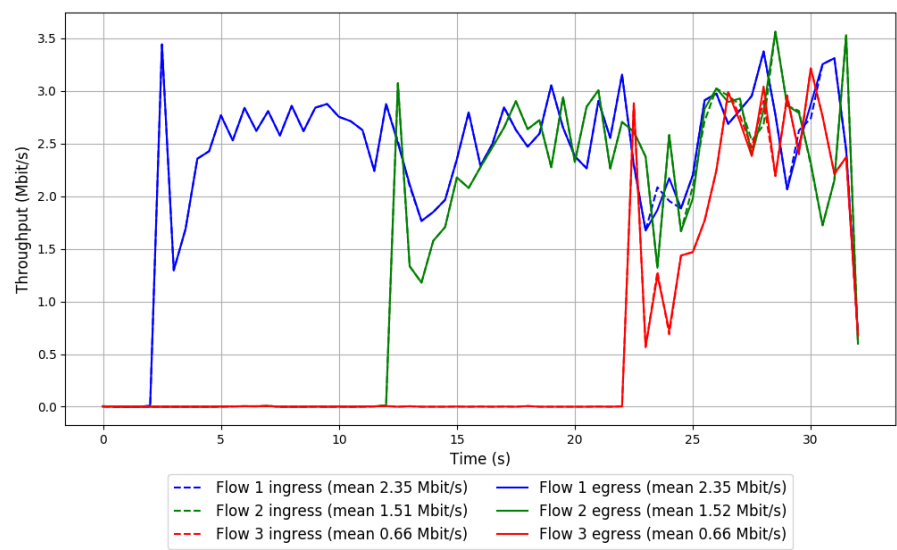


Run 3: Statistics of WebRTC media

Start at: 2018-02-20 10:33:36  
End at: 2018-02-20 10:34:06  
Local clock offset: -14.418 ms  
Remote clock offset: -12.555 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.50 Mbit/s  
95th percentile per-packet one-way delay: 3.300 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 3.308 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.52 Mbit/s  
95th percentile per-packet one-way delay: 3.191 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.66 Mbit/s  
95th percentile per-packet one-way delay: 3.468 ms  
Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

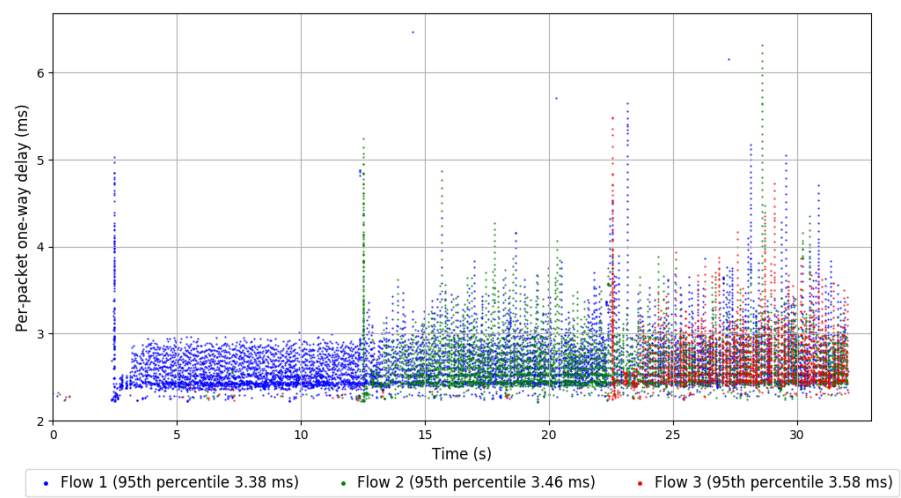
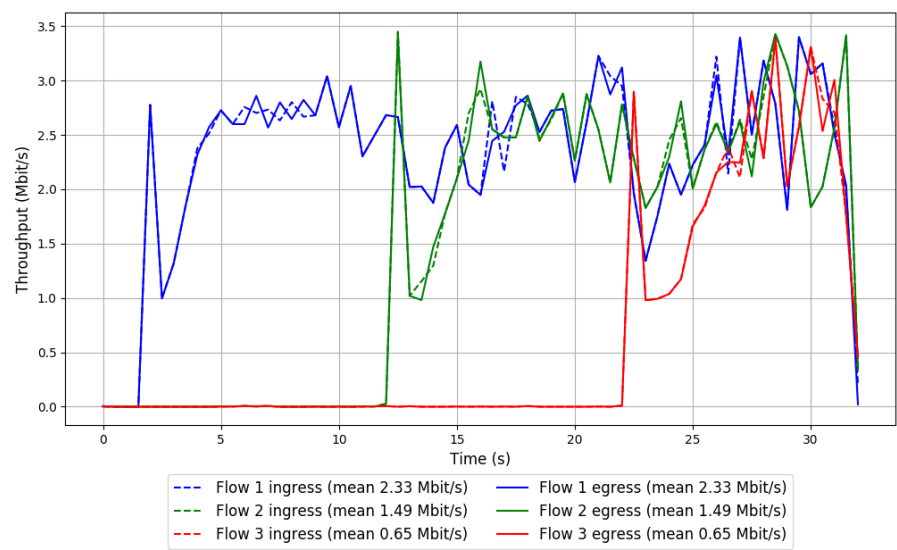


Run 4: Statistics of WebRTC media

Start at: 2018-02-20 10:54:02  
End at: 2018-02-20 10:54:32  
Local clock offset: -15.404 ms  
Remote clock offset: -12.618 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.46 Mbit/s  
95th percentile per-packet one-way delay: 3.443 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 3.384 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 1.49 Mbit/s  
95th percentile per-packet one-way delay: 3.457 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 0.65 Mbit/s  
95th percentile per-packet one-way delay: 3.579 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



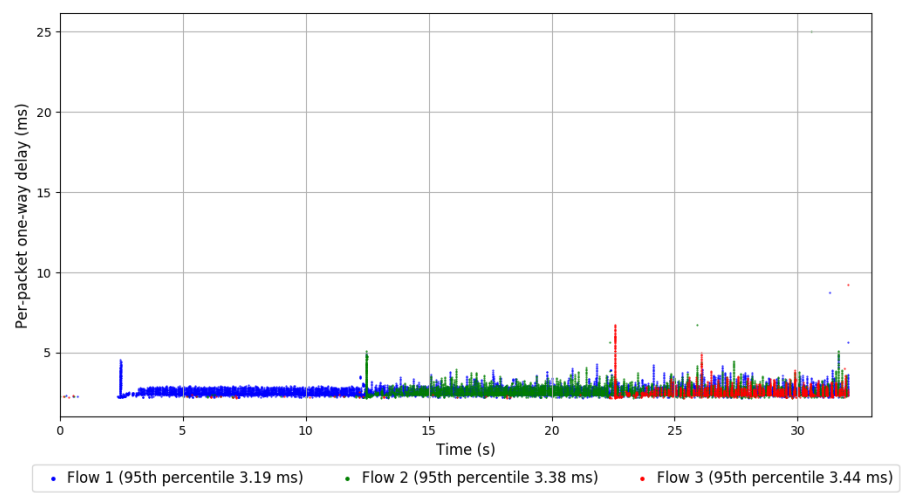
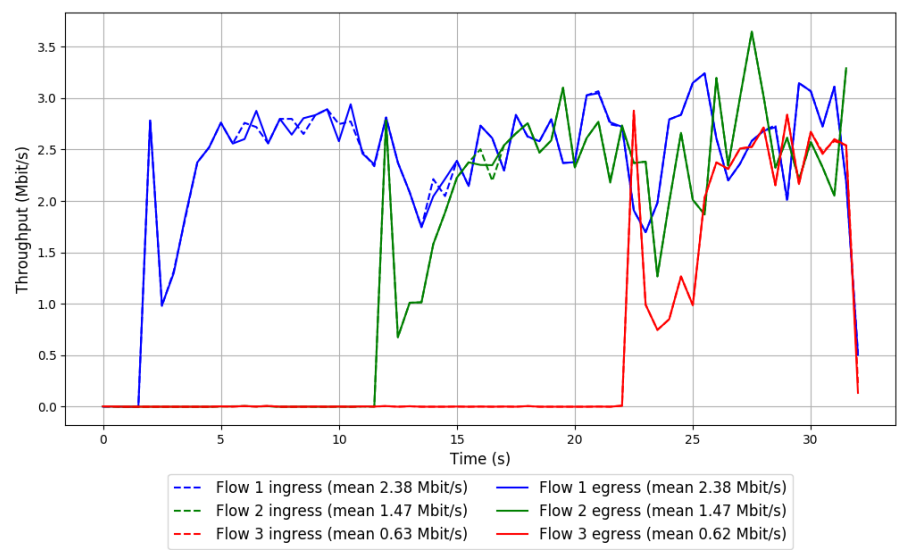
Run 5: Statistics of WebRTC media

Start at: 2018-02-20 11:14:25  
End at: 2018-02-20 11:14:55  
Local clock offset: -11.551 ms  
Remote clock offset: -12.641 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.45 Mbit/s  
95th percentile per-packet one-way delay: 3.294 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 3.191 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 1.47 Mbit/s  
95th percentile per-packet one-way delay: 3.383 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.62 Mbit/s  
95th percentile per-packet one-way delay: 3.444 ms  
Loss rate: 0.24%



Run 5: Report of WebRTC media — Data Link

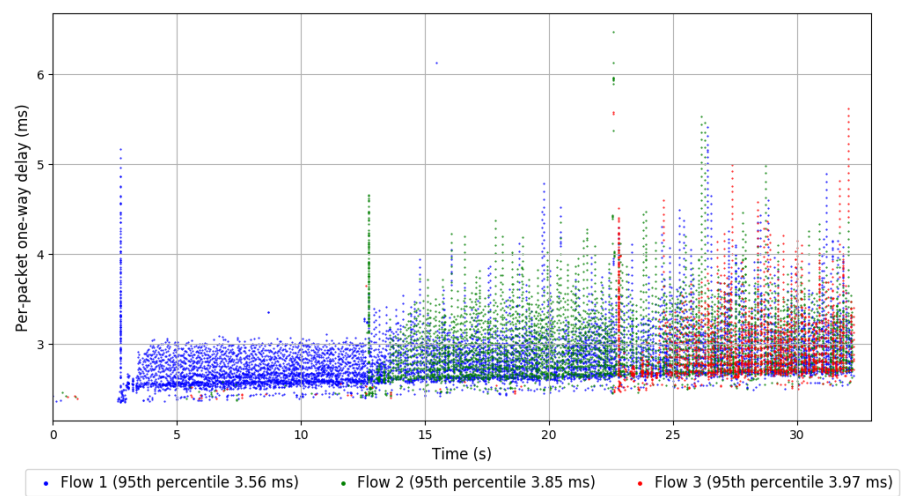
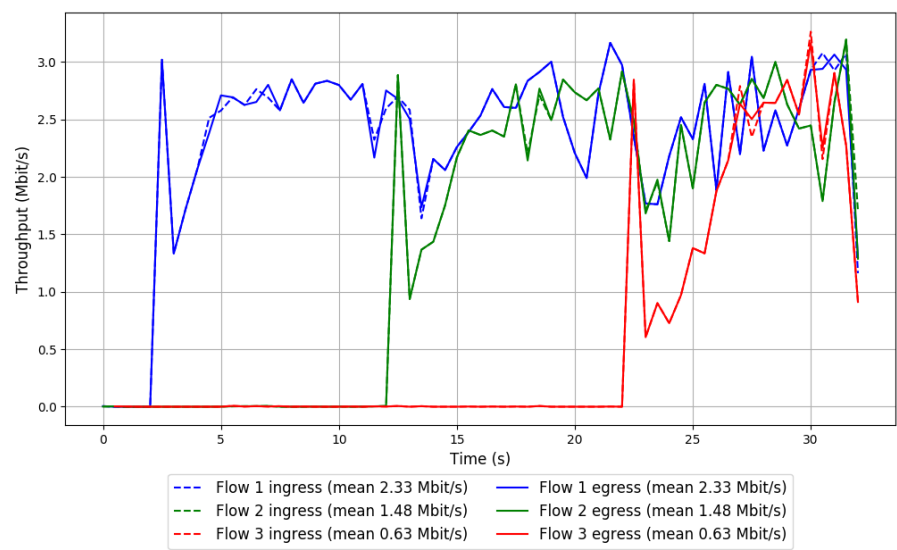


Run 6: Statistics of WebRTC media

Start at: 2018-02-20 11:34:48  
End at: 2018-02-20 11:35:18  
Local clock offset: -11.753 ms  
Remote clock offset: -12.679 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.41 Mbit/s  
95th percentile per-packet one-way delay: 3.759 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 3.561 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.48 Mbit/s  
95th percentile per-packet one-way delay: 3.847 ms  
Loss rate: 0.44%  
-- Flow 3:  
Average throughput: 0.63 Mbit/s  
95th percentile per-packet one-way delay: 3.971 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

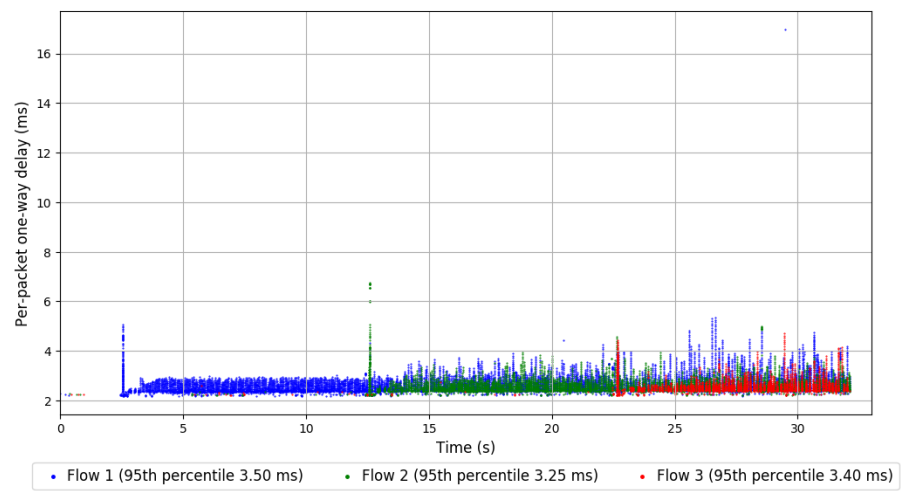
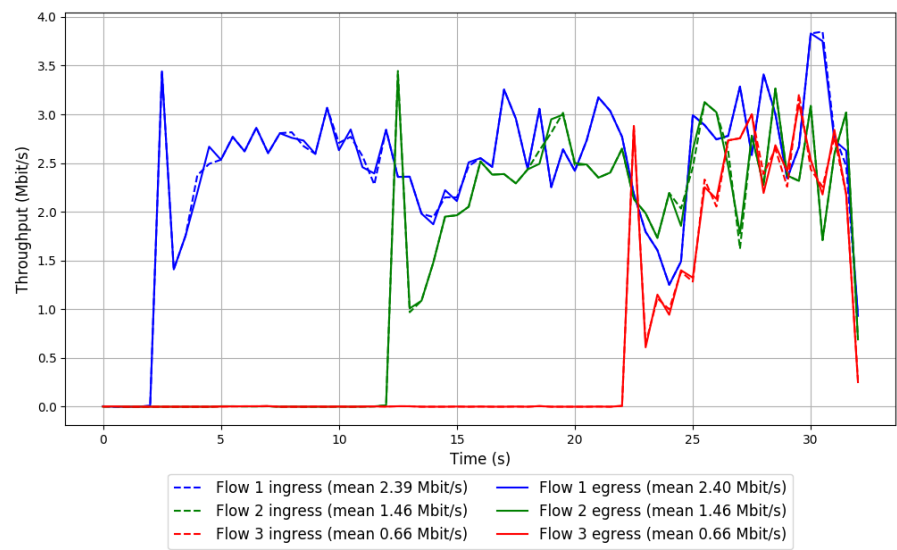


Run 7: Statistics of WebRTC media

Start at: 2018-02-20 11:55:14  
End at: 2018-02-20 11:55:44  
Local clock offset: -14.808 ms  
Remote clock offset: -12.569 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.49 Mbit/s  
95th percentile per-packet one-way delay: 3.414 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.40 Mbit/s  
95th percentile per-packet one-way delay: 3.496 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.46 Mbit/s  
95th percentile per-packet one-way delay: 3.248 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.66 Mbit/s  
95th percentile per-packet one-way delay: 3.404 ms  
Loss rate: 0.05%

Run 7: Report of WebRTC media — Data Link

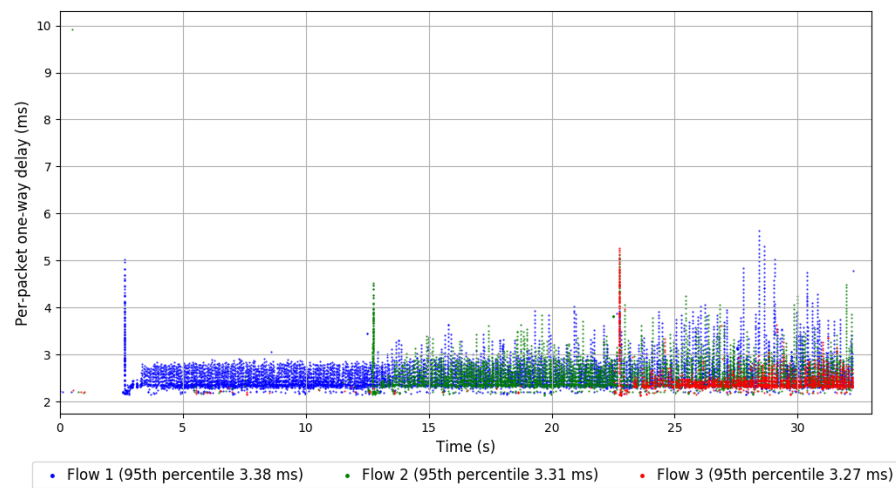
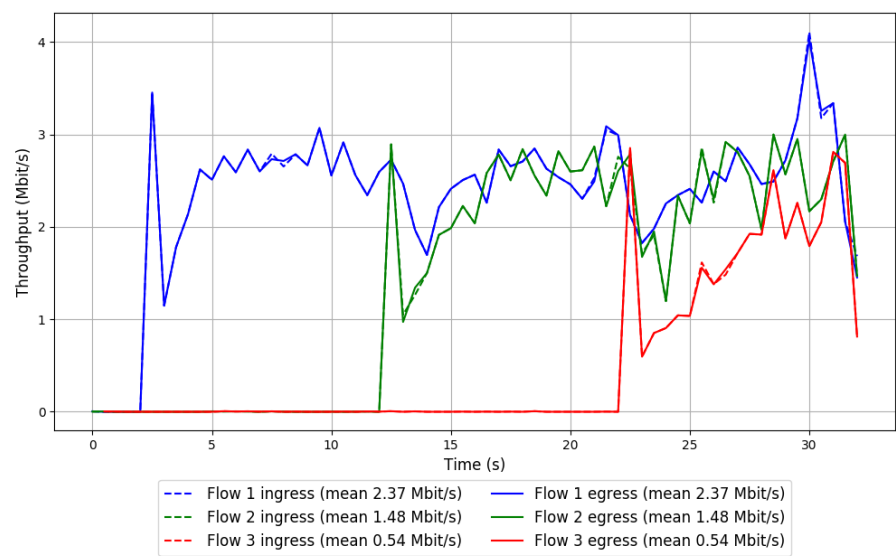


Run 8: Statistics of WebRTC media

Start at: 2018-02-20 12:15:38  
End at: 2018-02-20 12:16:08  
Local clock offset: -14.646 ms  
Remote clock offset: -12.455 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.35 Mbit/s  
95th percentile per-packet one-way delay: 3.343 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 3.381 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 1.48 Mbit/s  
95th percentile per-packet one-way delay: 3.312 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 3.268 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



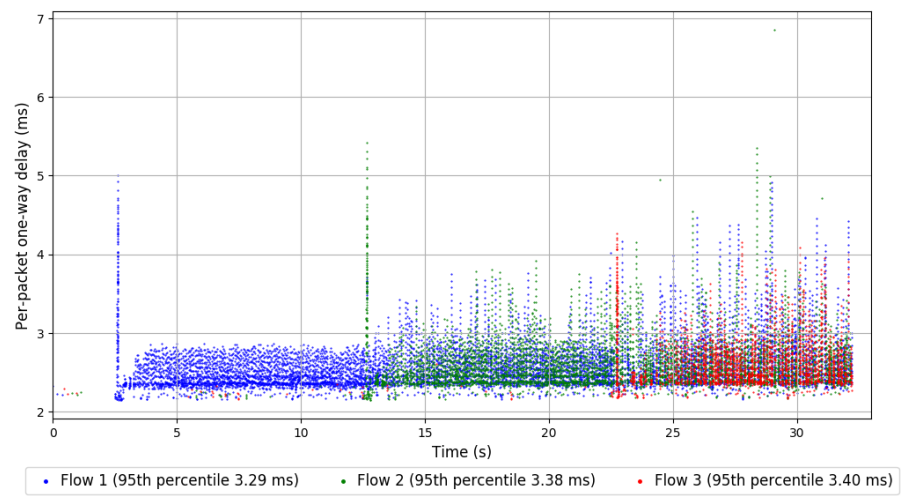
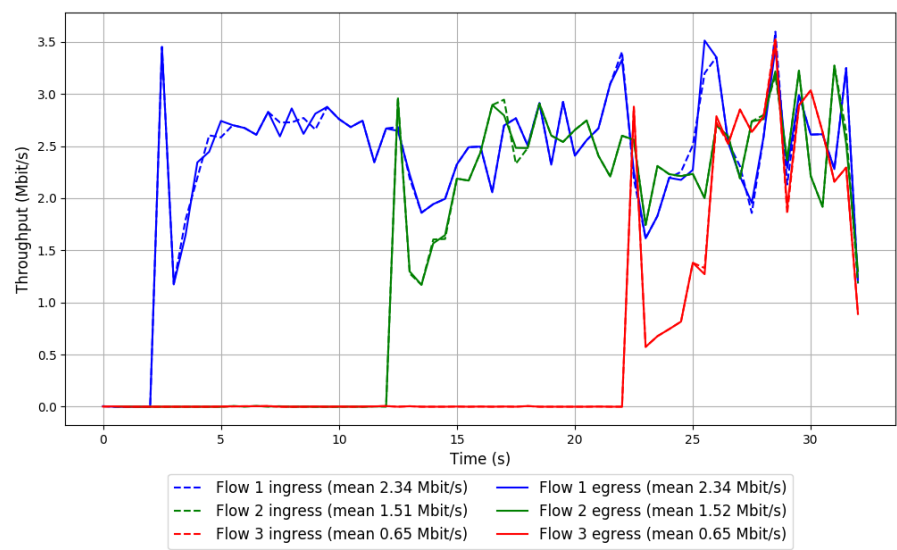
Run 9: Statistics of WebRTC media

Start at: 2018-02-20 12:36:02  
End at: 2018-02-20 12:36:32  
Local clock offset: -14.57 ms  
Remote clock offset: -12.309 ms

# Below is generated by plot.py at 2018-02-20 16:42:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.46 Mbit/s  
95th percentile per-packet one-way delay: 3.337 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 3.294 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.52 Mbit/s  
95th percentile per-packet one-way delay: 3.379 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.65 Mbit/s  
95th percentile per-packet one-way delay: 3.401 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

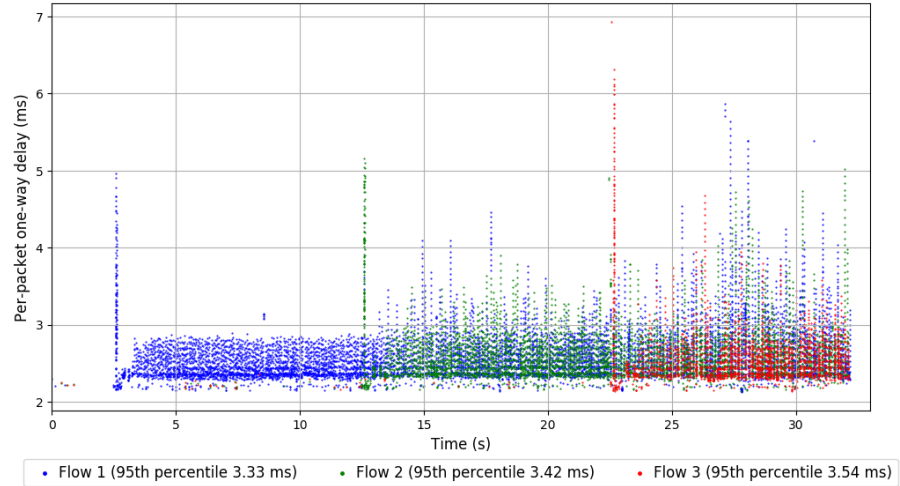
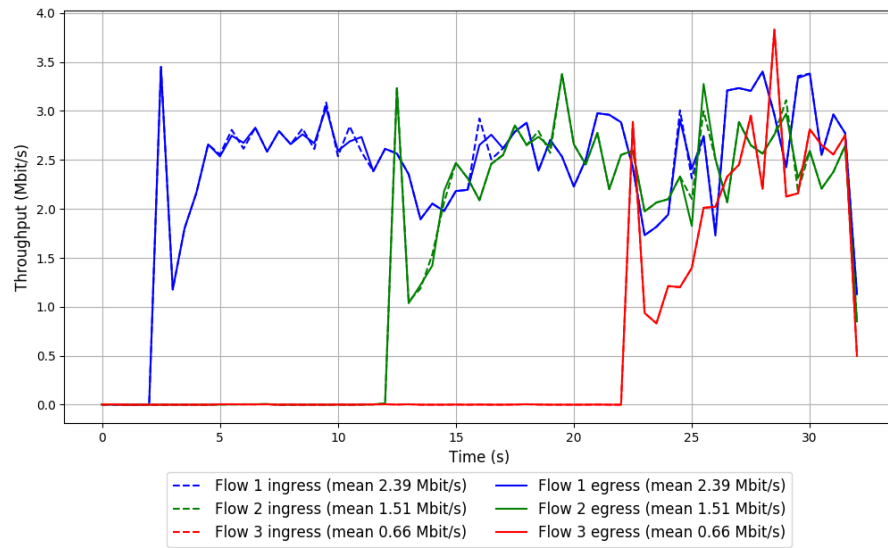


Run 10: Statistics of WebRTC media

Start at: 2018-02-20 12:56:29  
End at: 2018-02-20 12:56:59  
Local clock offset: -13.506 ms  
Remote clock offset: -12.217 ms

# Below is generated by plot.py at 2018-02-20 16:42:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.53 Mbit/s  
95th percentile per-packet one-way delay: 3.381 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 2.39 Mbit/s  
95th percentile per-packet one-way delay: 3.329 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 1.51 Mbit/s  
95th percentile per-packet one-way delay: 3.424 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.66 Mbit/s  
95th percentile per-packet one-way delay: 3.535 ms  
Loss rate: 0.01%

## Run 10: Report of WebRTC media — Data Link

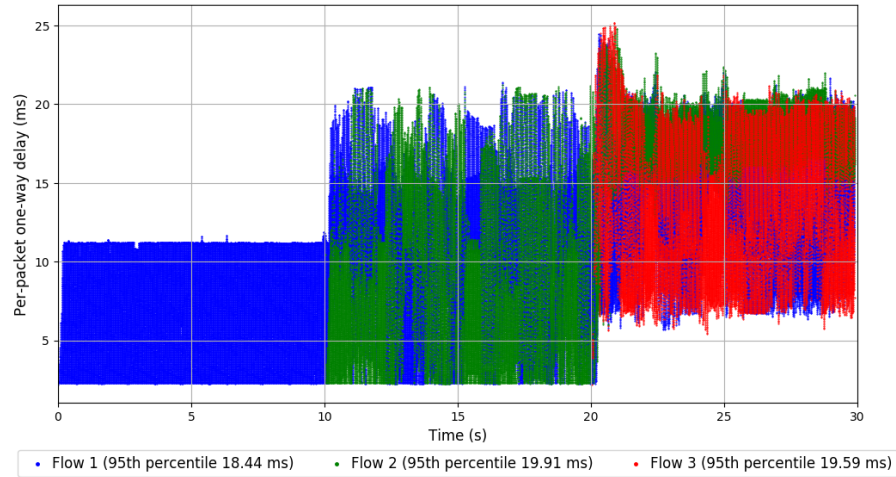
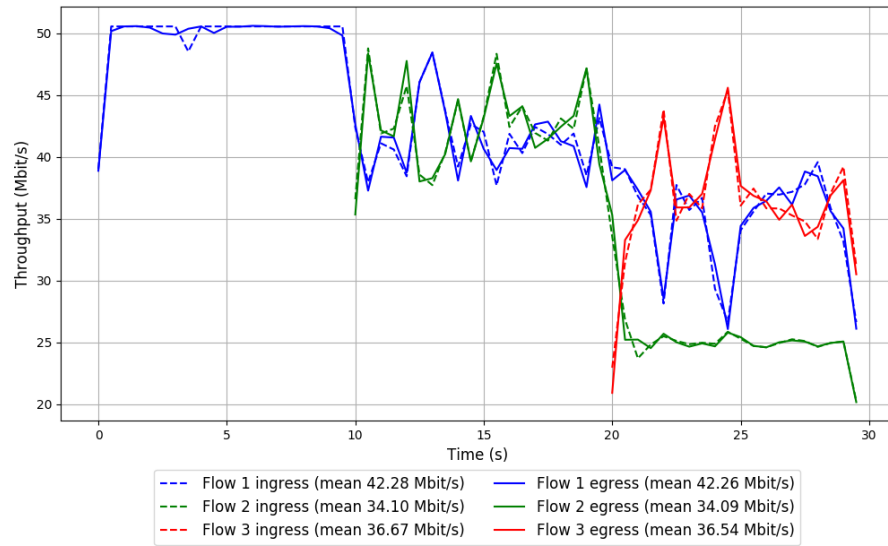


Run 1: Statistics of Sprout

Start at: 2018-02-20 09:45:59  
End at: 2018-02-20 09:46:29  
Local clock offset: -12.871 ms  
Remote clock offset: -12.843 ms

# Below is generated by plot.py at 2018-02-20 16:43:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.97 Mbit/s  
95th percentile per-packet one-way delay: 19.305 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 42.26 Mbit/s  
95th percentile per-packet one-way delay: 18.440 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 34.09 Mbit/s  
95th percentile per-packet one-way delay: 19.906 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 36.54 Mbit/s  
95th percentile per-packet one-way delay: 19.585 ms  
Loss rate: 0.34%

## Run 1: Report of Sprout — Data Link

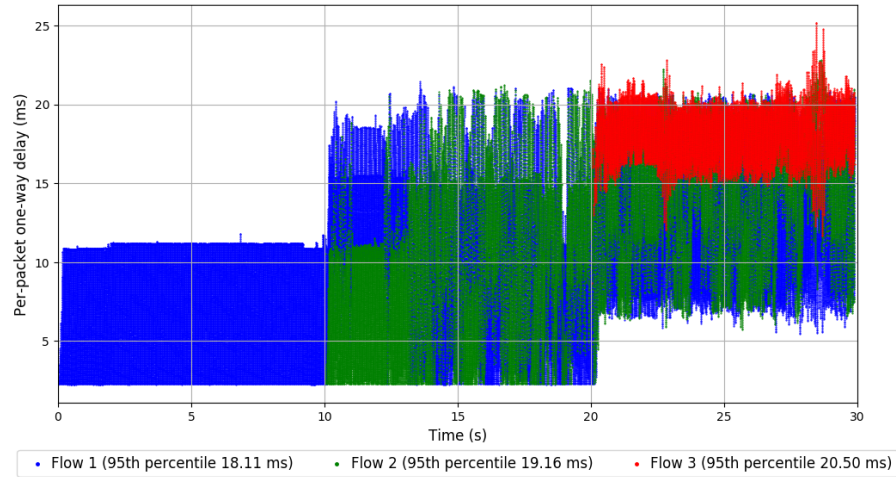
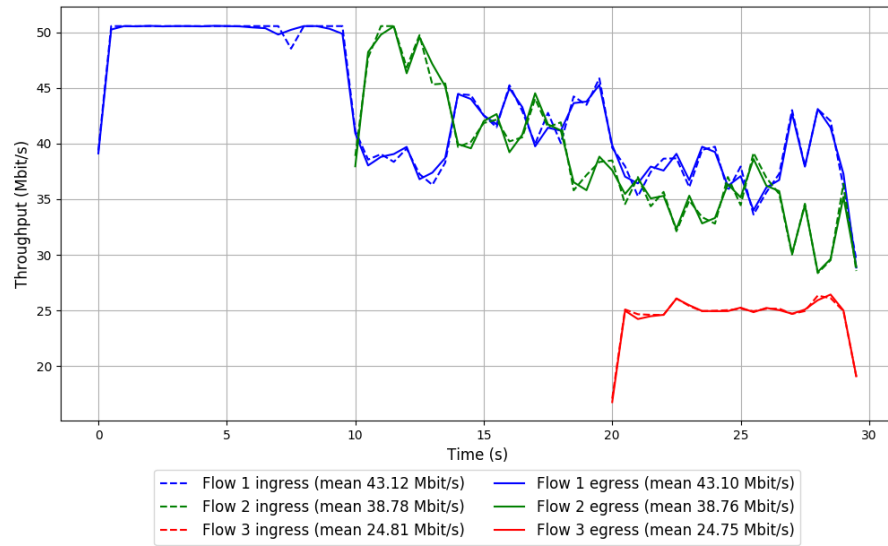


## Run 2: Statistics of Sprout

Start at: 2018-02-20 10:06:22  
End at: 2018-02-20 10:06:52  
Local clock offset: -13.226 ms  
Remote clock offset: -12.83 ms

# Below is generated by plot.py at 2018-02-20 16:43:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.03 Mbit/s  
95th percentile per-packet one-way delay: 19.307 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 43.10 Mbit/s  
95th percentile per-packet one-way delay: 18.107 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 38.76 Mbit/s  
95th percentile per-packet one-way delay: 19.158 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 24.75 Mbit/s  
95th percentile per-packet one-way delay: 20.498 ms  
Loss rate: 0.19%

## Run 2: Report of Sprout — Data Link



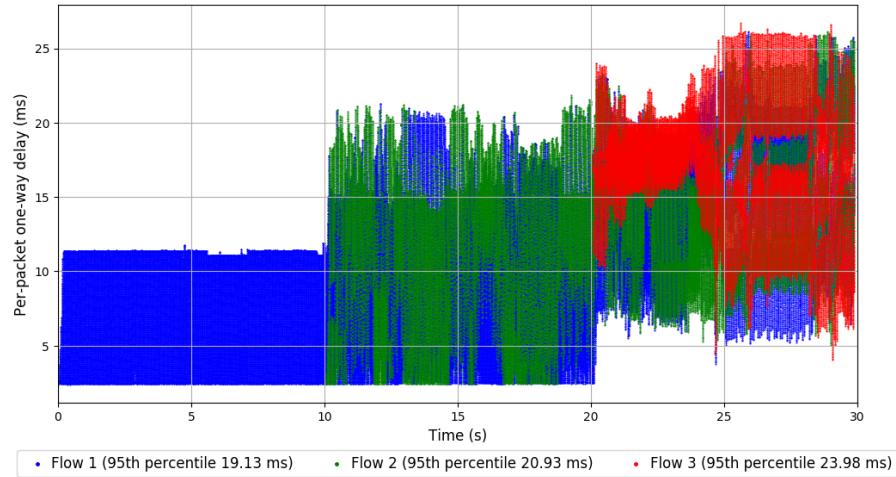
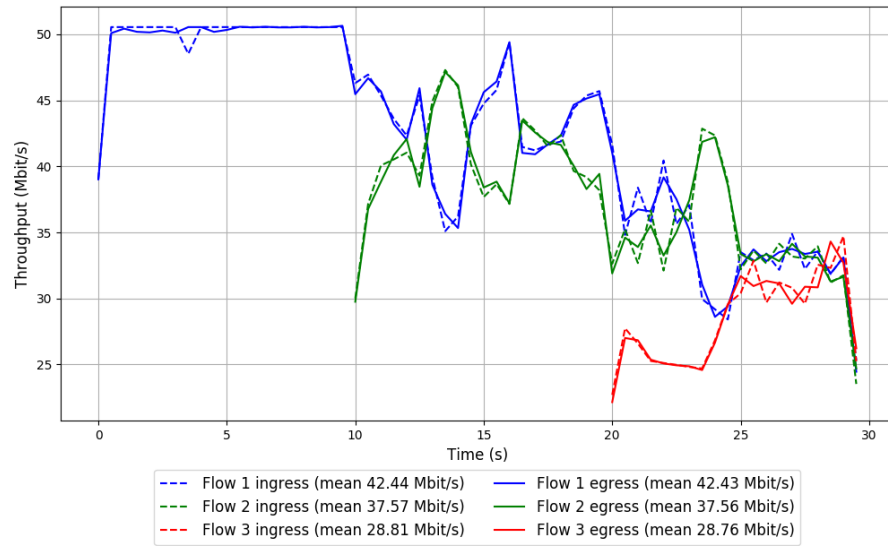
### Run 3: Statistics of Sprout

Start at: 2018-02-20 10:26:49  
End at: 2018-02-20 10:27:19  
Local clock offset: -13.776 ms  
Remote clock offset: -12.673 ms

```
# Below is generated by plot.py at 2018-02-20 16:43:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.87 Mbit/s
95th percentile per-packet one-way delay: 20.803 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 20.926 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 23.975 ms
Loss rate: 0.18%
```



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

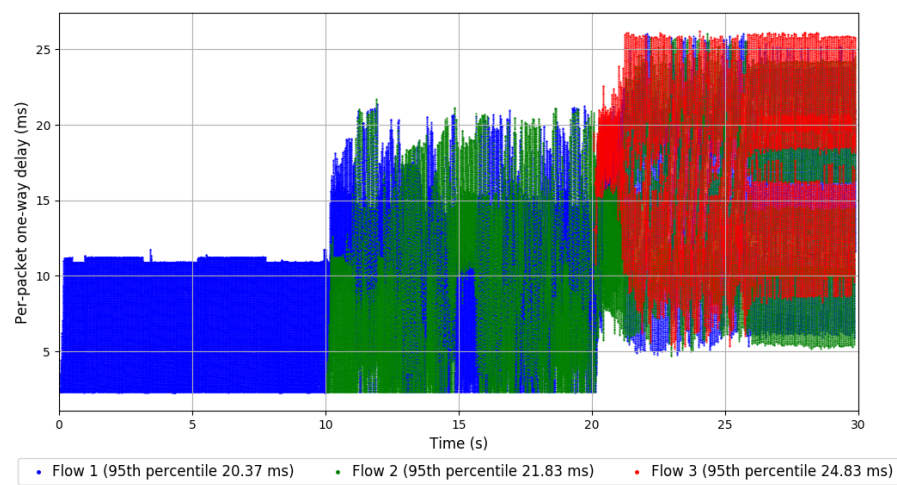
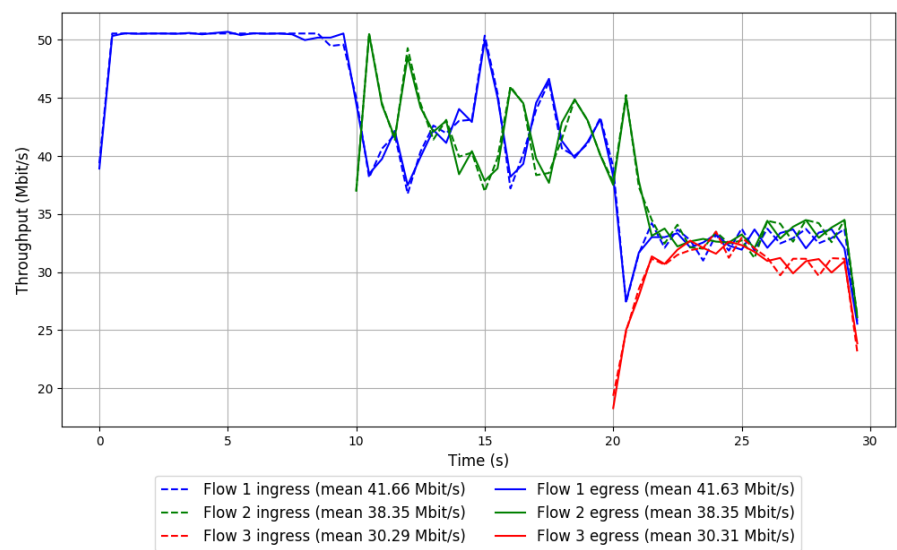


#### Run 4: Statistics of Sprout

Start at: 2018-02-20 10:47:17  
End at: 2018-02-20 10:47:47  
Local clock offset: -15.212 ms  
Remote clock offset: -12.522 ms

```
# Below is generated by plot.py at 2018-02-20 16:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 22.259 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 20.373 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 21.833 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 24.827 ms
Loss rate: 0.16%
```

Run 4: Report of Sprout — Data Link

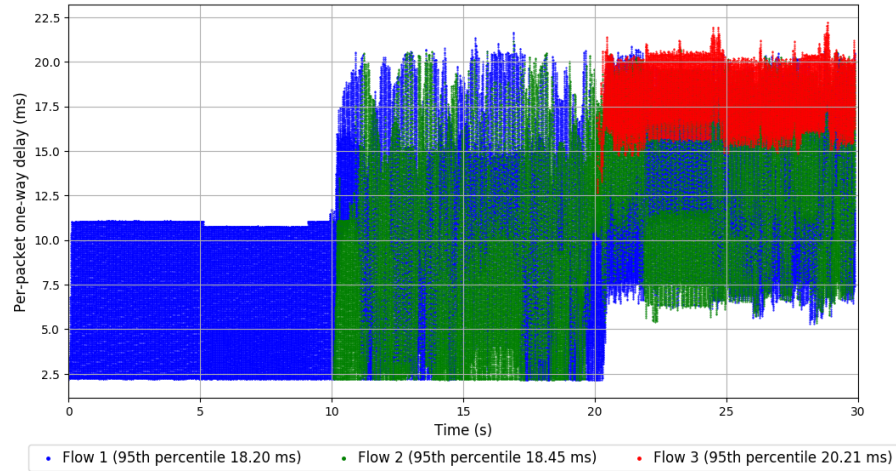
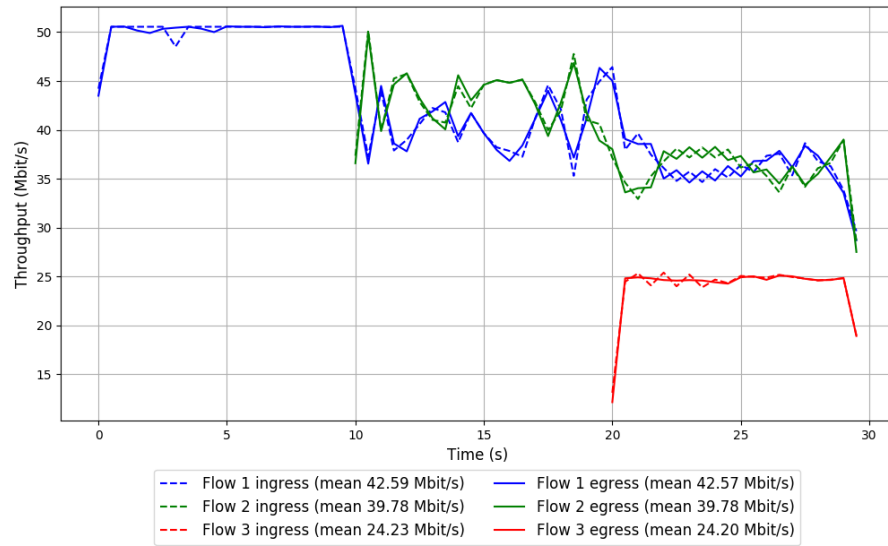


Run 5: Statistics of Sprout

Start at: 2018-02-20 11:07:40  
End at: 2018-02-20 11:08:10  
Local clock offset: -12.459 ms  
Remote clock offset: -12.545 ms

# Below is generated by plot.py at 2018-02-20 16:43:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.97 Mbit/s  
95th percentile per-packet one-way delay: 19.074 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 42.57 Mbit/s  
95th percentile per-packet one-way delay: 18.196 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 39.78 Mbit/s  
95th percentile per-packet one-way delay: 18.454 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 24.20 Mbit/s  
95th percentile per-packet one-way delay: 20.212 ms  
Loss rate: 0.21%

## Run 5: Report of Sprout — Data Link

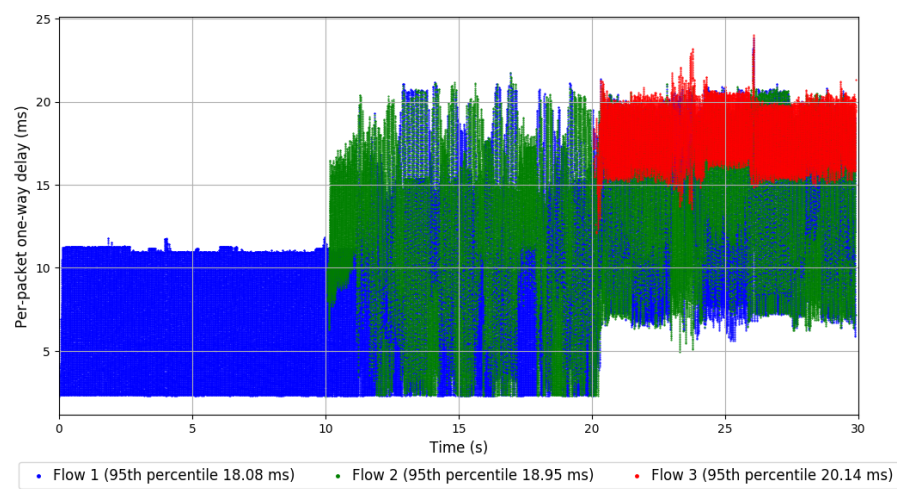
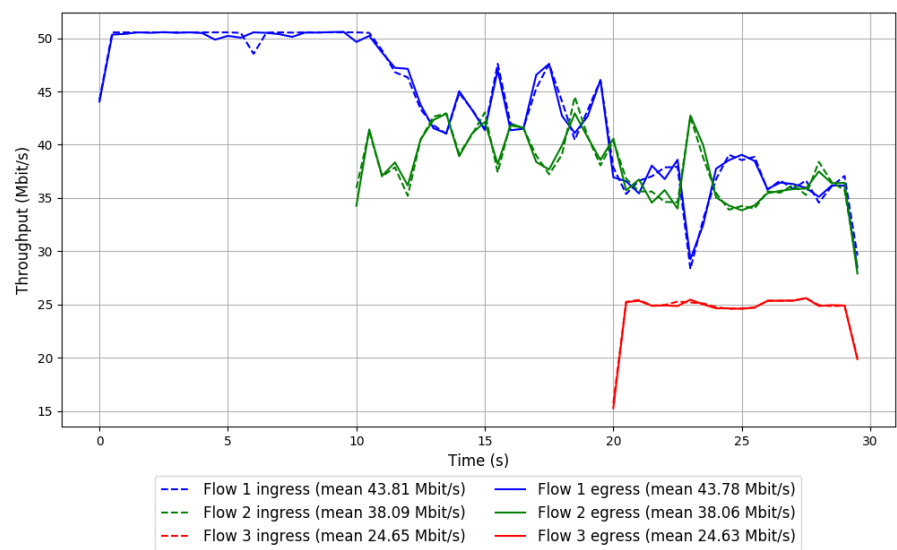


Run 6: Statistics of Sprout

Start at: 2018-02-20 11:28:03  
End at: 2018-02-20 11:28:33  
Local clock offset: -10.693 ms  
Remote clock offset: -12.603 ms

# Below is generated by plot.py at 2018-02-20 16:43:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.19 Mbit/s  
95th percentile per-packet one-way delay: 19.179 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 43.78 Mbit/s  
95th percentile per-packet one-way delay: 18.076 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 38.06 Mbit/s  
95th percentile per-packet one-way delay: 18.949 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 24.63 Mbit/s  
95th percentile per-packet one-way delay: 20.145 ms  
Loss rate: 0.23%

Run 6: Report of Sprout — Data Link



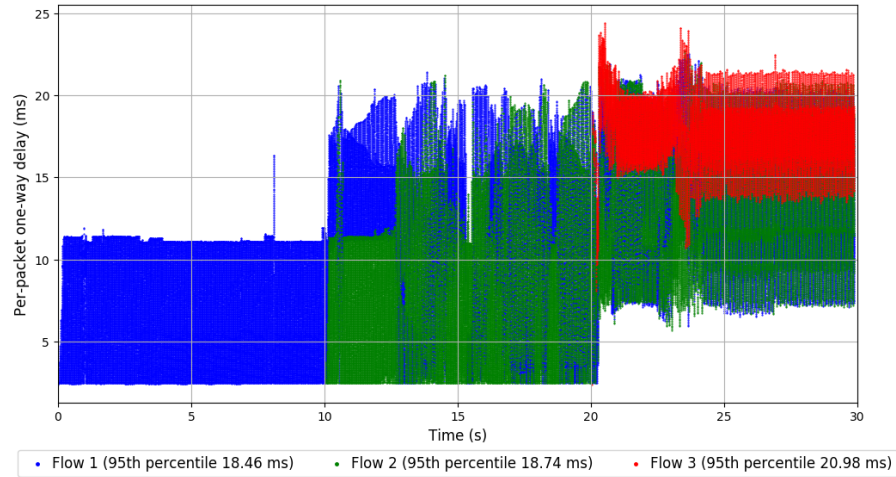
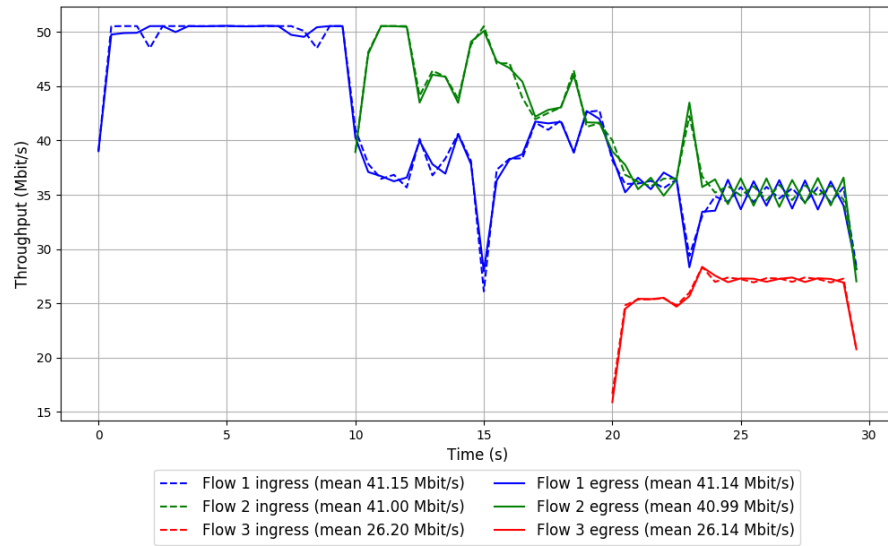
Run 7: Statistics of Sprout

Start at: 2018-02-20 11:48:29  
End at: 2018-02-20 11:48:59  
Local clock offset: -14.298 ms  
Remote clock offset: -12.703 ms

# Below is generated by plot.py at 2018-02-20 16:43:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.00 Mbit/s  
95th percentile per-packet one-way delay: 19.257 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 41.14 Mbit/s  
95th percentile per-packet one-way delay: 18.462 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 40.99 Mbit/s  
95th percentile per-packet one-way delay: 18.740 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 26.14 Mbit/s  
95th percentile per-packet one-way delay: 20.978 ms  
Loss rate: 0.24%



# Run 7: Report of Sprout — Data Link

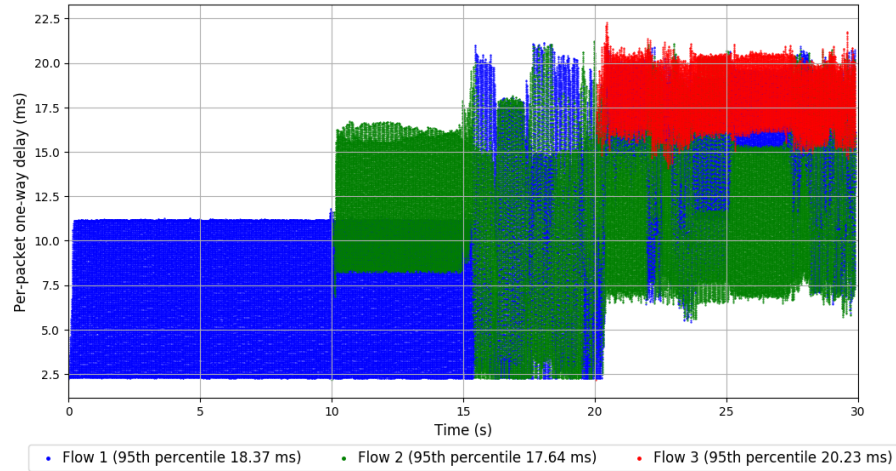
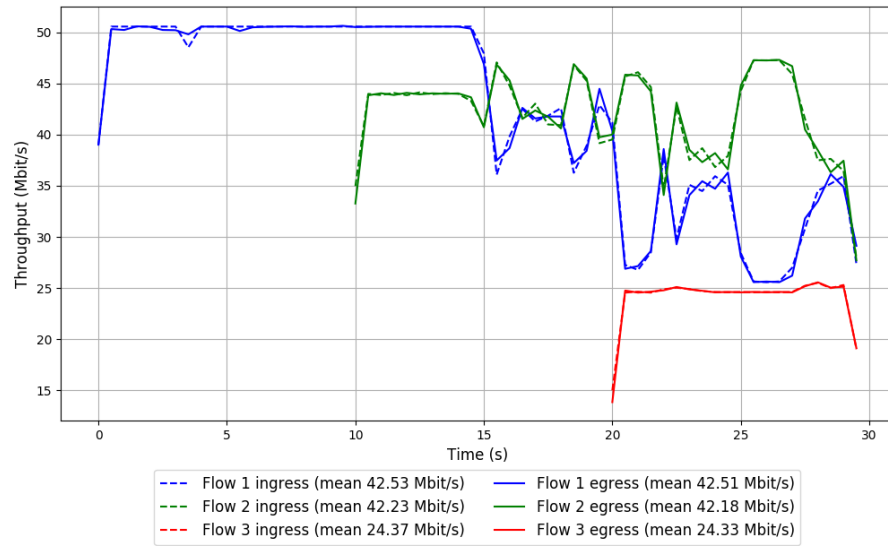


Run 8: Statistics of Sprout

Start at: 2018-02-20 12:08:52  
End at: 2018-02-20 12:09:22  
Local clock offset: -15.027 ms  
Remote clock offset: -12.447 ms

# Below is generated by plot.py at 2018-02-20 16:44:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.59 Mbit/s  
95th percentile per-packet one-way delay: 19.056 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 42.51 Mbit/s  
95th percentile per-packet one-way delay: 18.369 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 42.18 Mbit/s  
95th percentile per-packet one-way delay: 17.645 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 24.33 Mbit/s  
95th percentile per-packet one-way delay: 20.229 ms  
Loss rate: 0.22%

# Run 8: Report of Sprout — Data Link

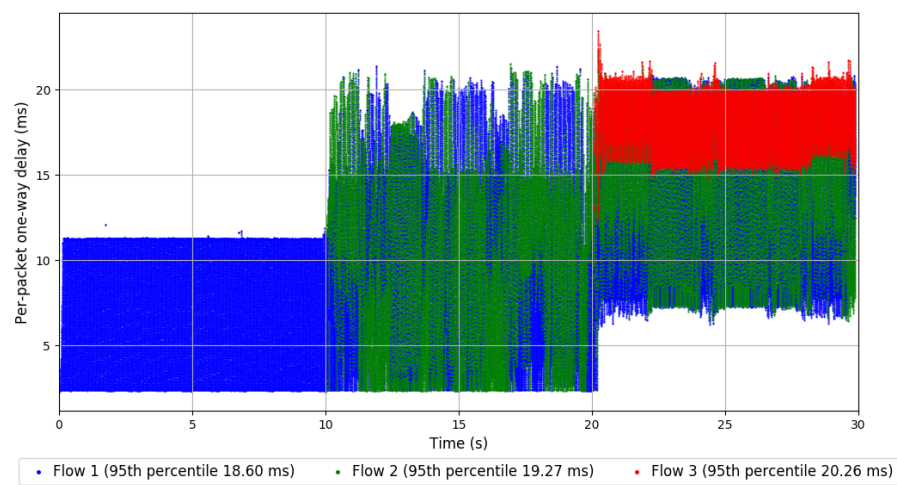
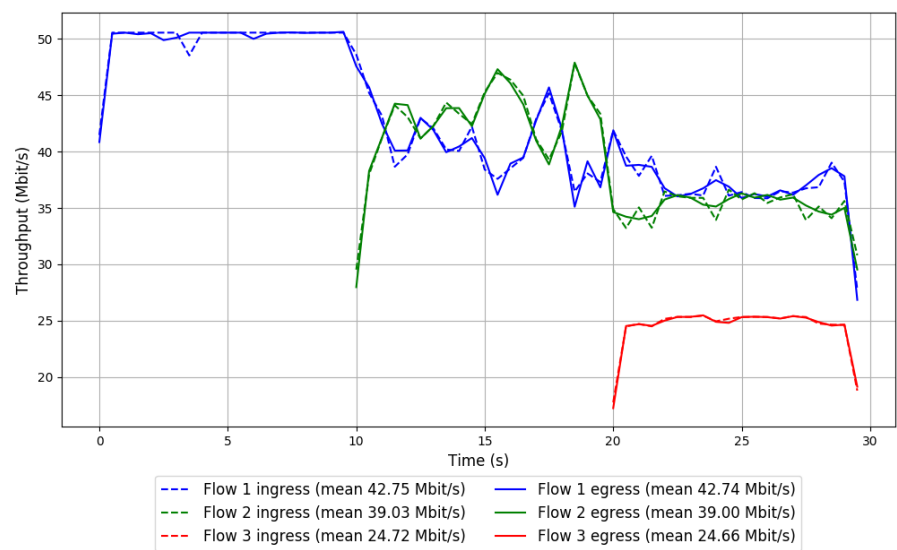


Run 9: Statistics of Sprout

Start at: 2018-02-20 12:29:16  
End at: 2018-02-20 12:29:46  
Local clock offset: -14.511 ms  
Remote clock offset: -12.421 ms

# Below is generated by plot.py at 2018-02-20 16:44:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.81 Mbit/s  
95th percentile per-packet one-way delay: 19.425 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 42.74 Mbit/s  
95th percentile per-packet one-way delay: 18.597 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 39.00 Mbit/s  
95th percentile per-packet one-way delay: 19.271 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 24.66 Mbit/s  
95th percentile per-packet one-way delay: 20.261 ms  
Loss rate: 0.13%

Run 9: Report of Sprout — Data Link

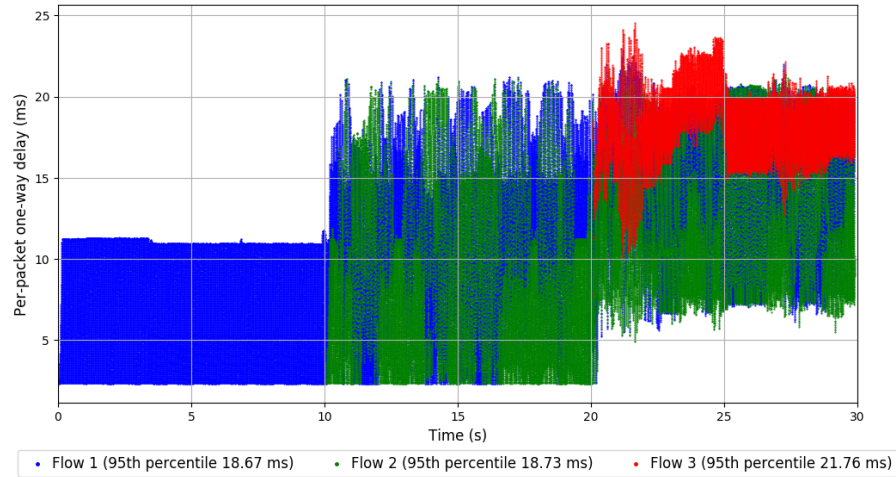
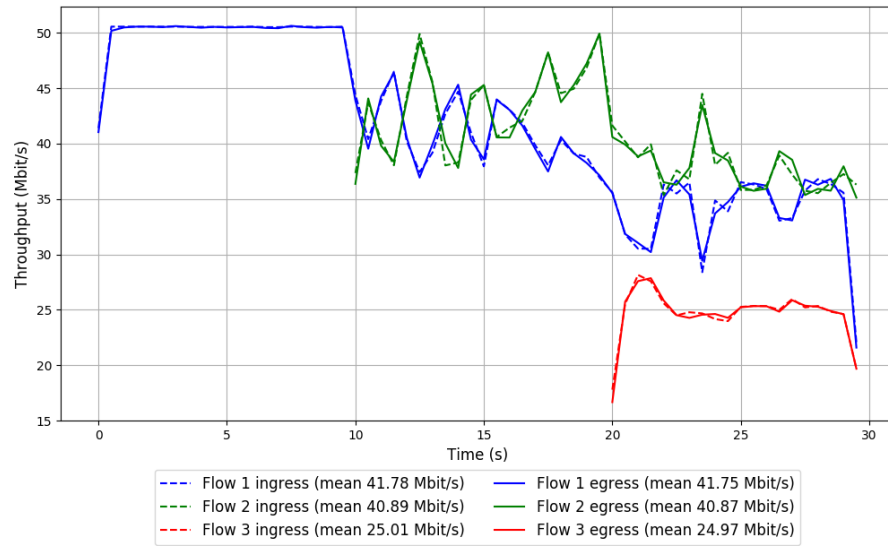


Run 10: Statistics of Sprout

Start at: 2018-02-20 12:49:42  
End at: 2018-02-20 12:50:12  
Local clock offset: -13.721 ms  
Remote clock offset: -12.186 ms

# Below is generated by plot.py at 2018-02-20 16:44:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.13 Mbit/s  
95th percentile per-packet one-way delay: 19.545 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 41.75 Mbit/s  
95th percentile per-packet one-way delay: 18.670 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 40.87 Mbit/s  
95th percentile per-packet one-way delay: 18.731 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 24.97 Mbit/s  
95th percentile per-packet one-way delay: 21.757 ms  
Loss rate: 0.20%

# Run 10: Report of Sprout — Data Link



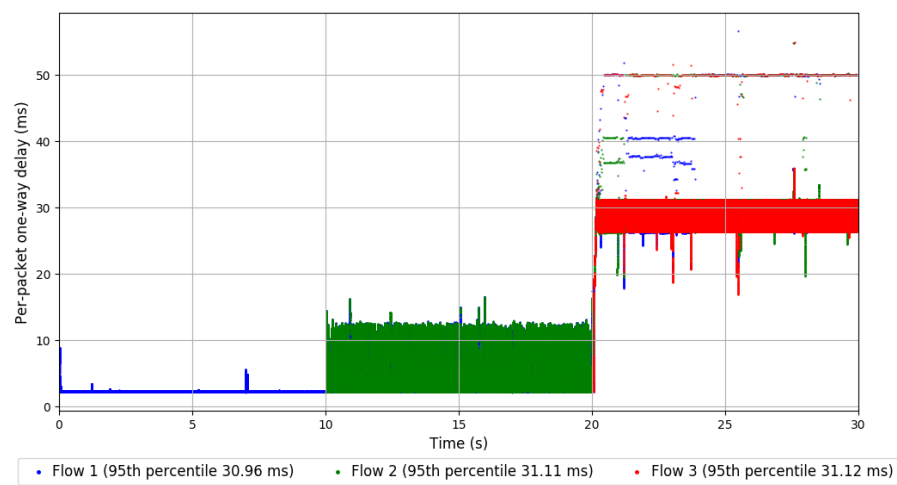
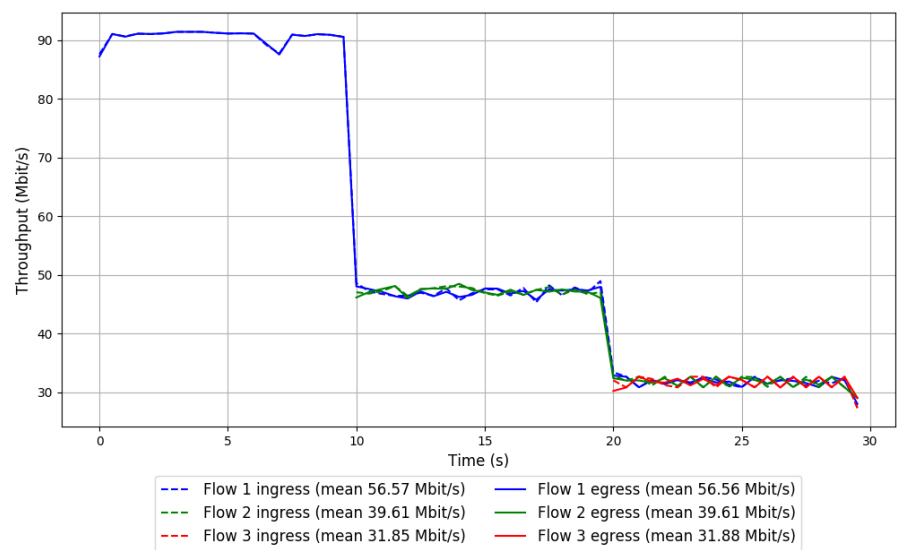
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 10:01:44
End at: 2018-02-20 10:02:14
Local clock offset: -13.197 ms
Remote clock offset: -12.861 ms

# Below is generated by plot.py at 2018-02-20 16:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 31.072 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 30.959 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 31.108 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.05%
```



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

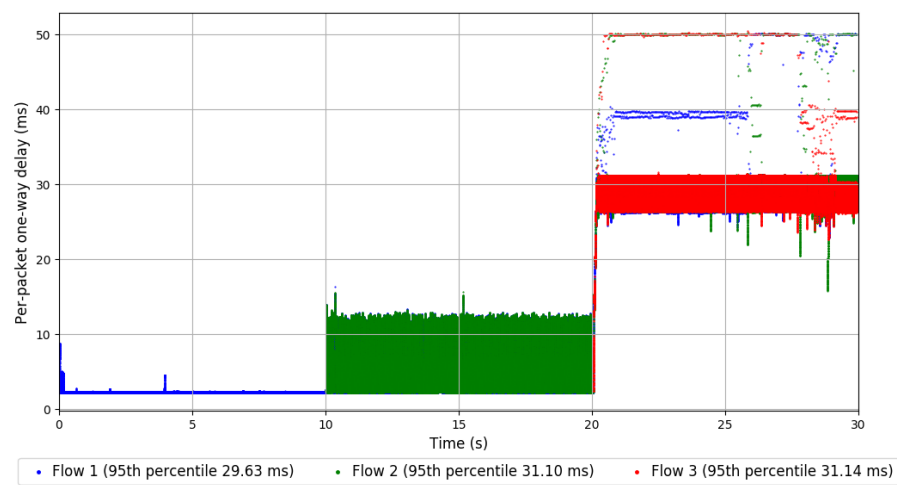
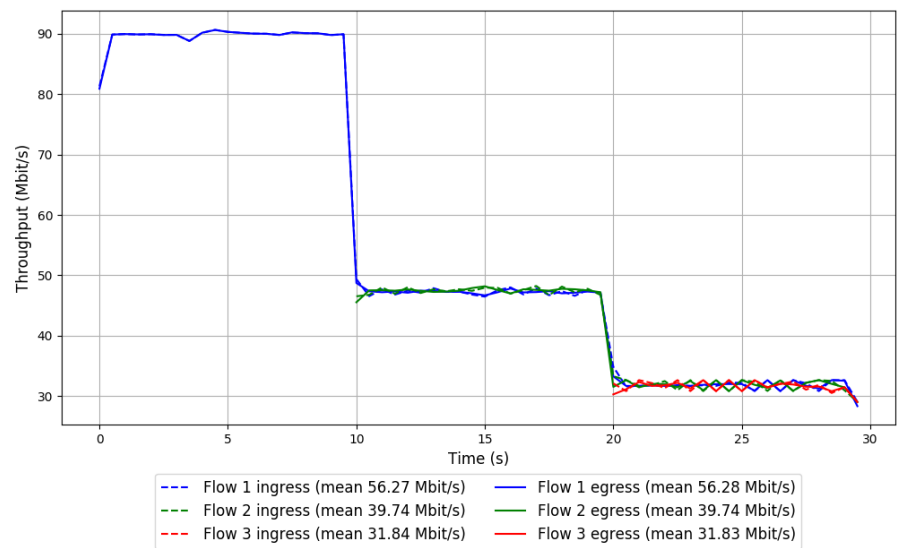


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 10:22:08  
End at: 2018-02-20 10:22:38  
Local clock offset: -13.309 ms  
Remote clock offset: -12.658 ms

# Below is generated by plot.py at 2018-02-20 16:46:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.24 Mbit/s  
95th percentile per-packet one-way delay: 31.055 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.28 Mbit/s  
95th percentile per-packet one-way delay: 29.628 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 39.74 Mbit/s  
95th percentile per-packet one-way delay: 31.098 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.83 Mbit/s  
95th percentile per-packet one-way delay: 31.140 ms  
Loss rate: 0.29%

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

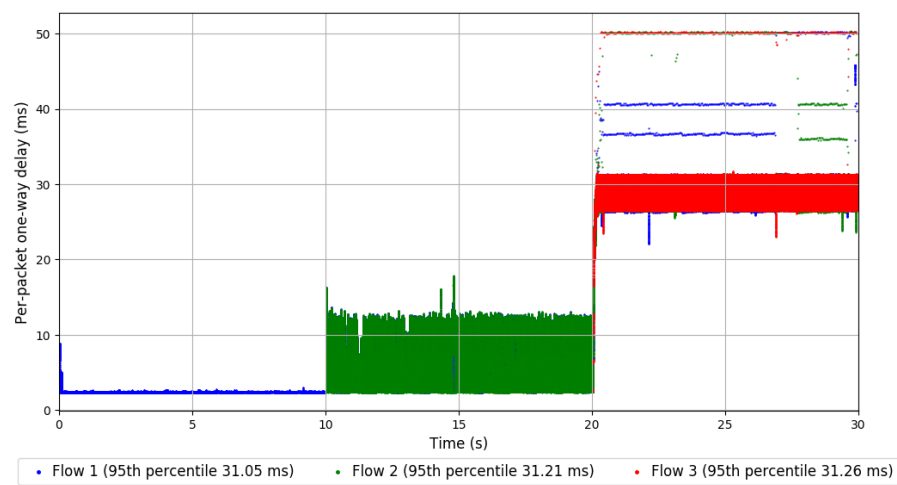
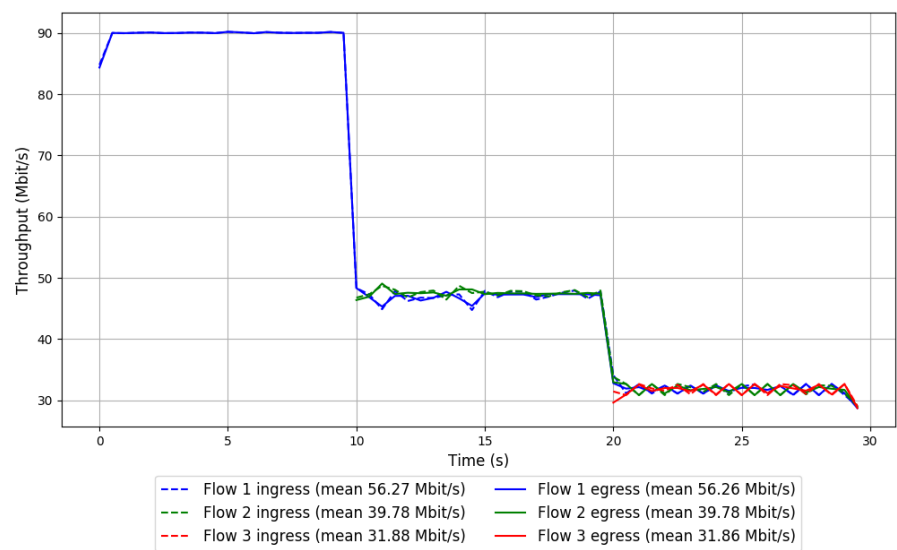


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 10:42:35  
End at: 2018-02-20 10:43:05  
Local clock offset: -14.93 ms  
Remote clock offset: -12.47 ms

# Below is generated by plot.py at 2018-02-20 16:46:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.26 Mbit/s  
95th percentile per-packet one-way delay: 31.195 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 56.26 Mbit/s  
95th percentile per-packet one-way delay: 31.053 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.78 Mbit/s  
95th percentile per-packet one-way delay: 31.208 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.86 Mbit/s  
95th percentile per-packet one-way delay: 31.261 ms  
Loss rate: 0.34%

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

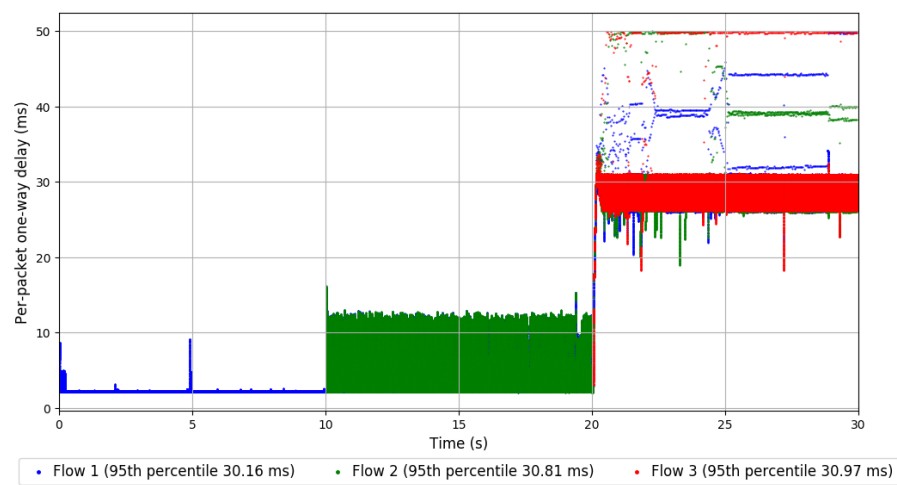
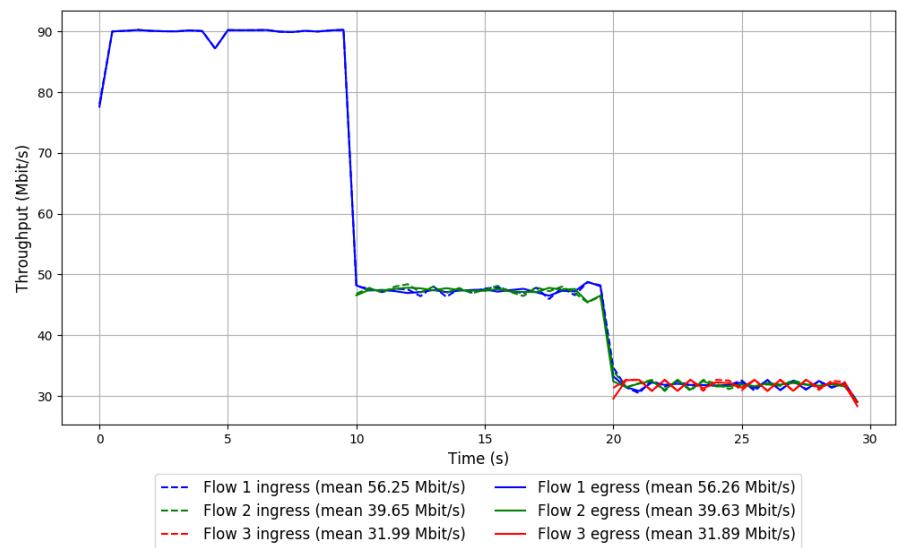


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 11:03:01  
End at: 2018-02-20 11:03:31  
Local clock offset: -13.462 ms  
Remote clock offset: -12.52 ms

# Below is generated by plot.py at 2018-02-20 16:46:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.18 Mbit/s  
95th percentile per-packet one-way delay: 30.860 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 56.26 Mbit/s  
95th percentile per-packet one-way delay: 30.159 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.63 Mbit/s  
95th percentile per-packet one-way delay: 30.806 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.89 Mbit/s  
95th percentile per-packet one-way delay: 30.969 ms  
Loss rate: 0.44%

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



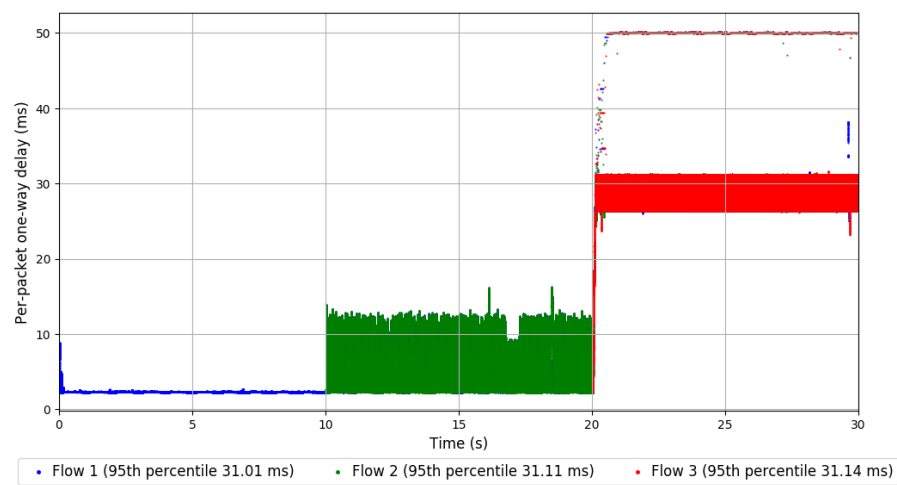
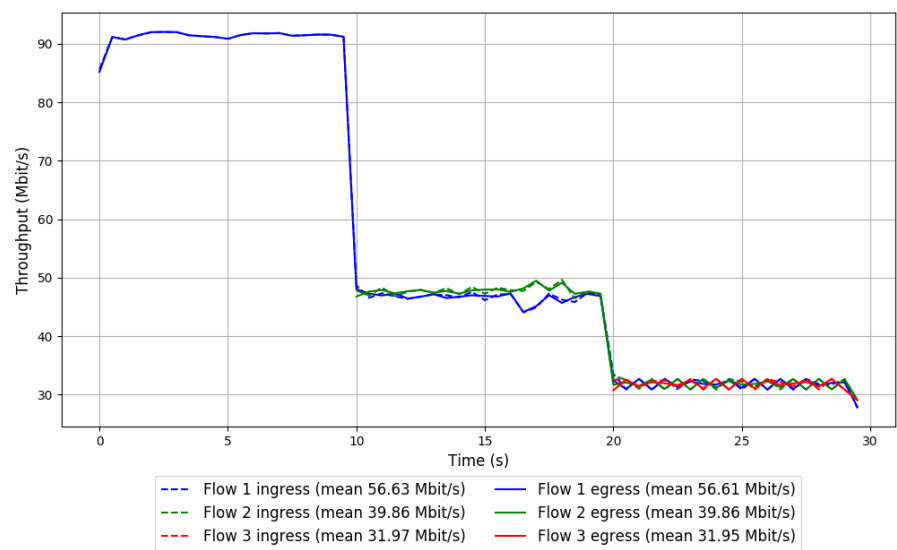
Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 11:23:24  
End at: 2018-02-20 11:23:54  
Local clock offset: -10.902 ms  
Remote clock offset: -12.587 ms

# Below is generated by plot.py at 2018-02-20 16:46:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.71 Mbit/s  
95th percentile per-packet one-way delay: 31.085 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 56.61 Mbit/s  
95th percentile per-packet one-way delay: 31.009 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 39.86 Mbit/s  
95th percentile per-packet one-way delay: 31.111 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.95 Mbit/s  
95th percentile per-packet one-way delay: 31.139 ms  
Loss rate: 0.29%



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

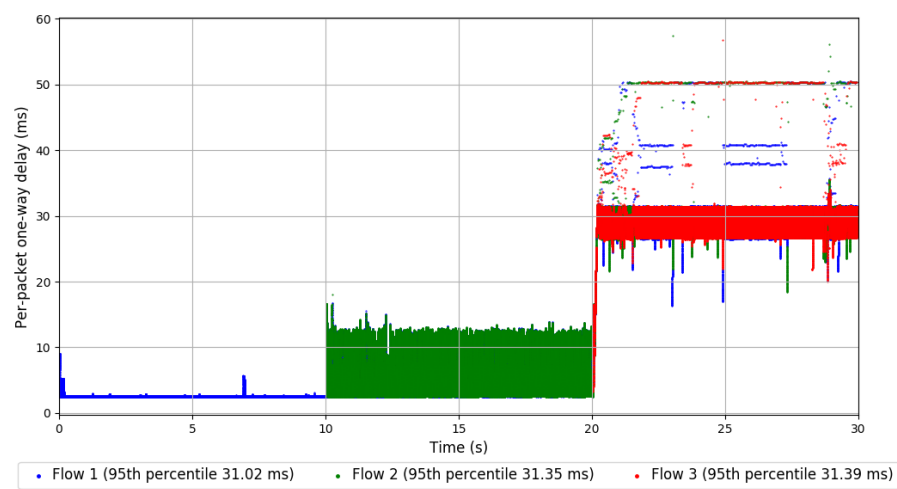
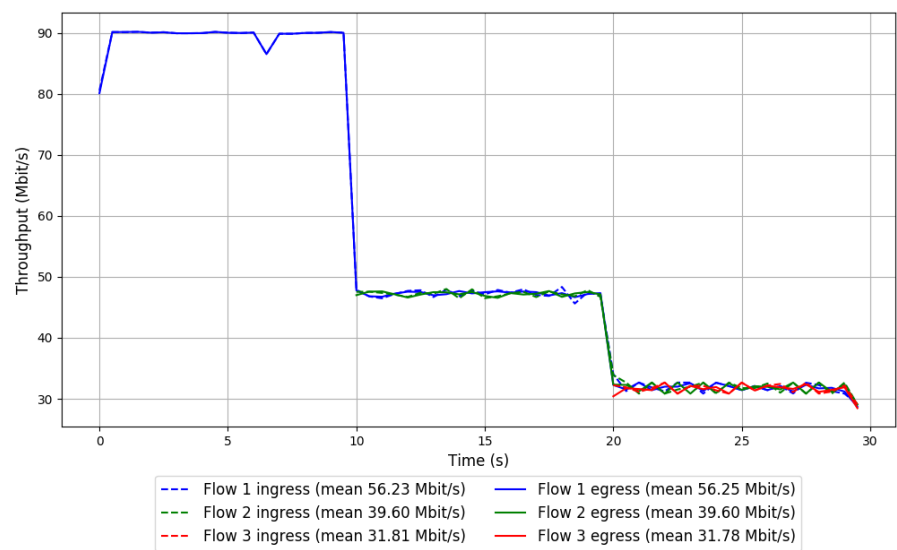


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 11:43:48  
End at: 2018-02-20 11:44:18  
Local clock offset: -13.746 ms  
Remote clock offset: -12.694 ms

# Below is generated by plot.py at 2018-02-20 16:46:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.09 Mbit/s  
95th percentile per-packet one-way delay: 31.321 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.25 Mbit/s  
95th percentile per-packet one-way delay: 31.019 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.60 Mbit/s  
95th percentile per-packet one-way delay: 31.351 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.78 Mbit/s  
95th percentile per-packet one-way delay: 31.385 ms  
Loss rate: 0.38%

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

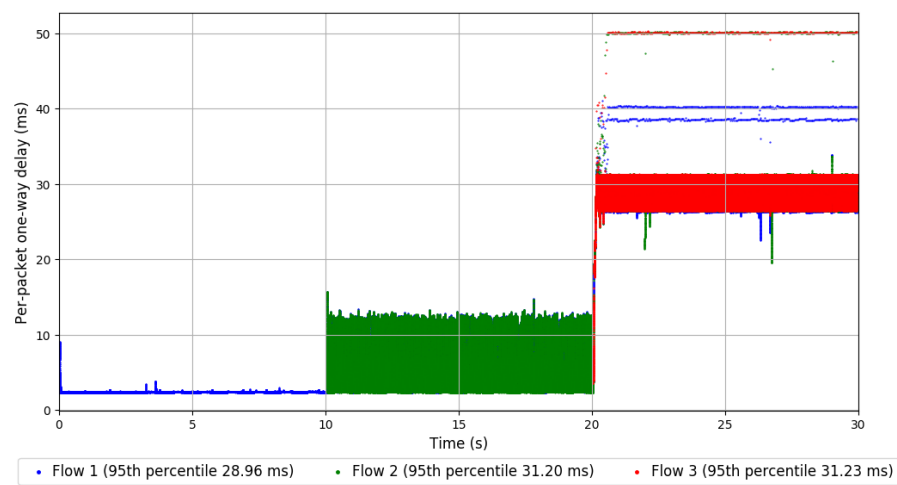
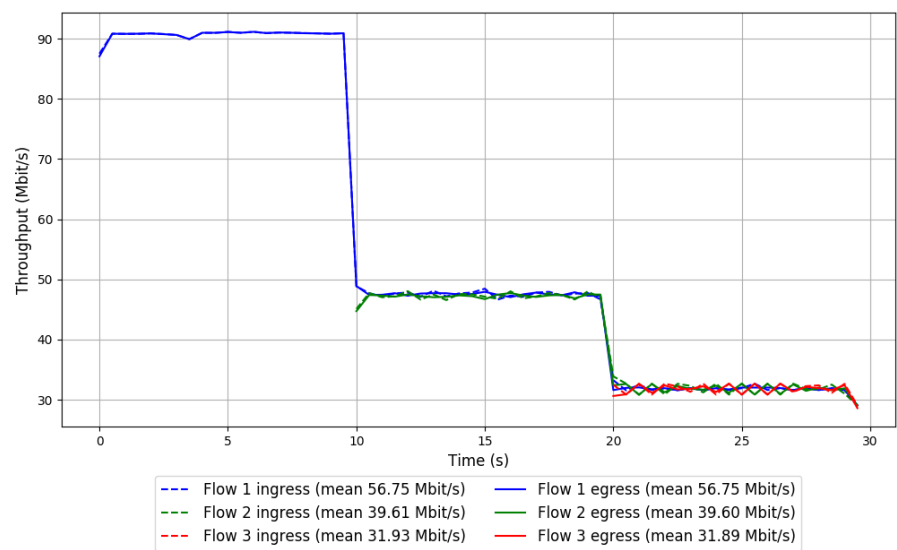


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 12:04:13  
End at: 2018-02-20 12:04:43  
Local clock offset: -15.232 ms  
Remote clock offset: -12.482 ms

# Below is generated by plot.py at 2018-02-20 16:47:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.62 Mbit/s  
95th percentile per-packet one-way delay: 31.138 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 56.75 Mbit/s  
95th percentile per-packet one-way delay: 28.958 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.60 Mbit/s  
95th percentile per-packet one-way delay: 31.196 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 31.89 Mbit/s  
95th percentile per-packet one-way delay: 31.228 ms  
Loss rate: 0.39%

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

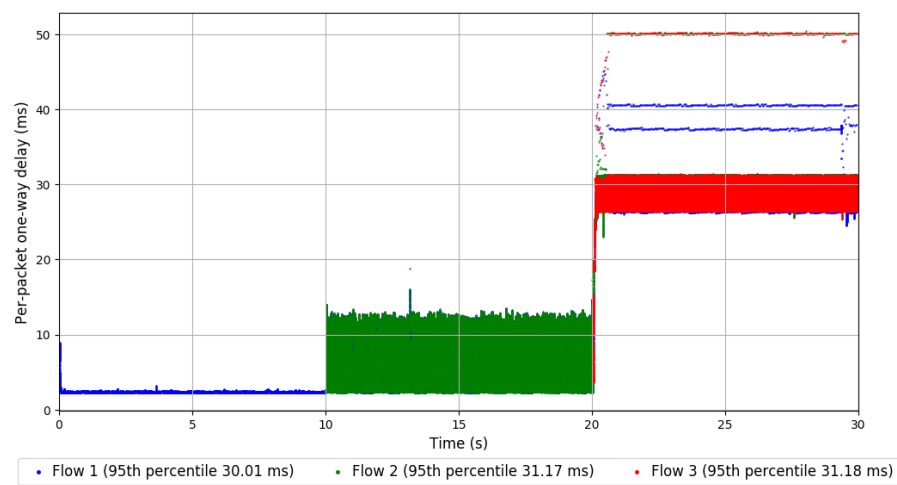
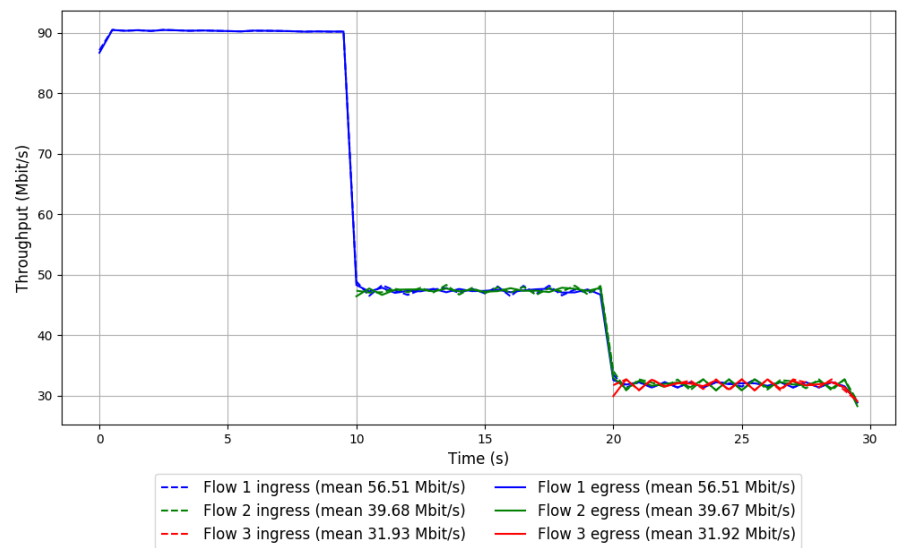


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 12:24:37  
End at: 2018-02-20 12:25:07  
Local clock offset: -14.508 ms  
Remote clock offset: -12.49 ms

# Below is generated by plot.py at 2018-02-20 16:47:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.46 Mbit/s  
95th percentile per-packet one-way delay: 31.122 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.51 Mbit/s  
95th percentile per-packet one-way delay: 30.014 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.67 Mbit/s  
95th percentile per-packet one-way delay: 31.170 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 31.92 Mbit/s  
95th percentile per-packet one-way delay: 31.184 ms  
Loss rate: 0.29%

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



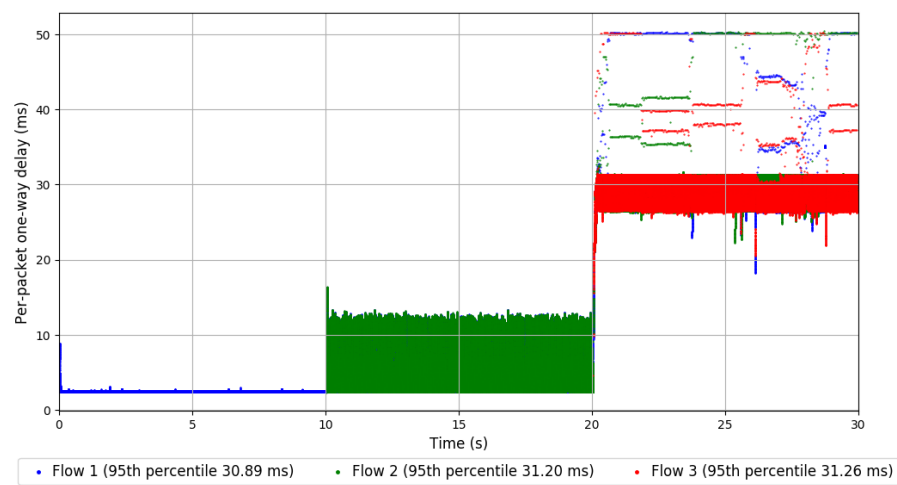
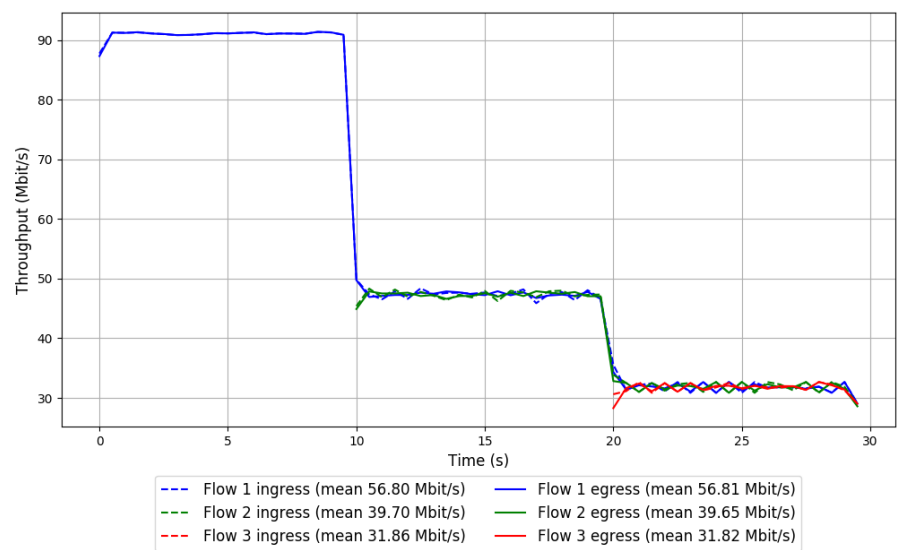
Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 12:45:03  
End at: 2018-02-20 12:45:33  
Local clock offset: -14.034 ms  
Remote clock offset: -12.346 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.71 Mbit/s  
95th percentile per-packet one-way delay: 31.168 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.81 Mbit/s  
95th percentile per-packet one-way delay: 30.892 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.65 Mbit/s  
95th percentile per-packet one-way delay: 31.203 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 31.82 Mbit/s  
95th percentile per-packet one-way delay: 31.256 ms  
Loss rate: 0.29%



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

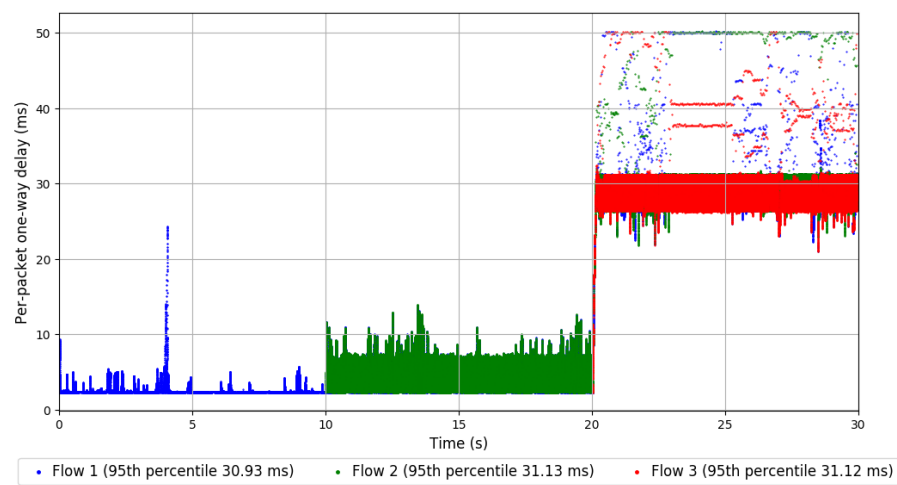
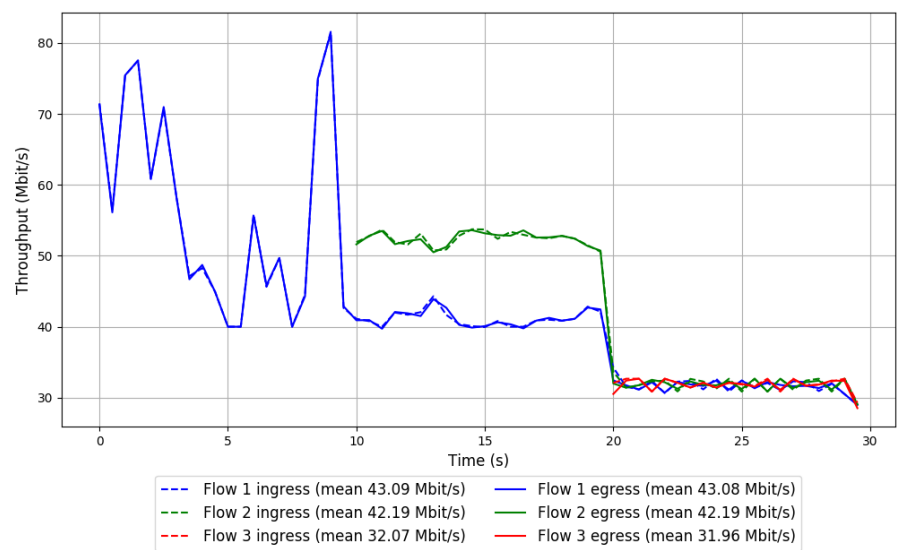


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 13:05:28  
End at: 2018-02-20 13:05:58  
Local clock offset: -13.233 ms  
Remote clock offset: -12.182 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.76 Mbit/s  
95th percentile per-packet one-way delay: 31.082 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 43.08 Mbit/s  
95th percentile per-packet one-way delay: 30.929 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 42.19 Mbit/s  
95th percentile per-packet one-way delay: 31.126 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 31.96 Mbit/s  
95th percentile per-packet one-way delay: 31.119 ms  
Loss rate: 0.43%

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

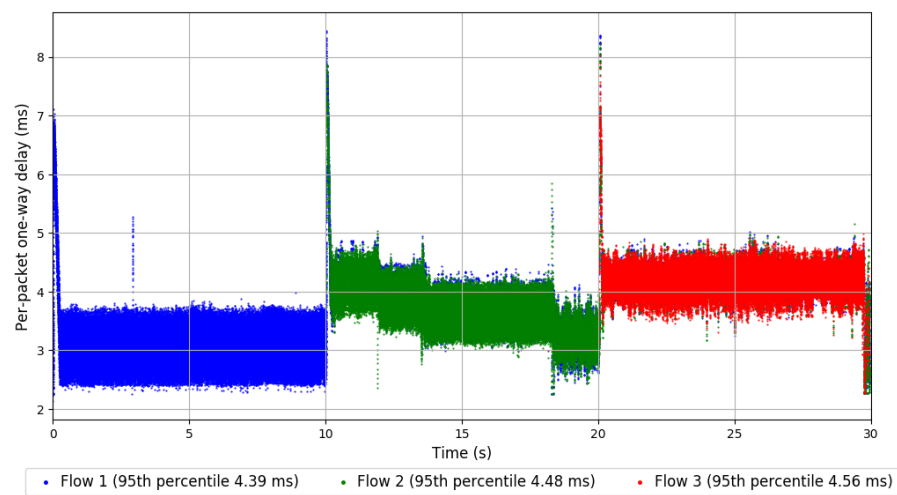
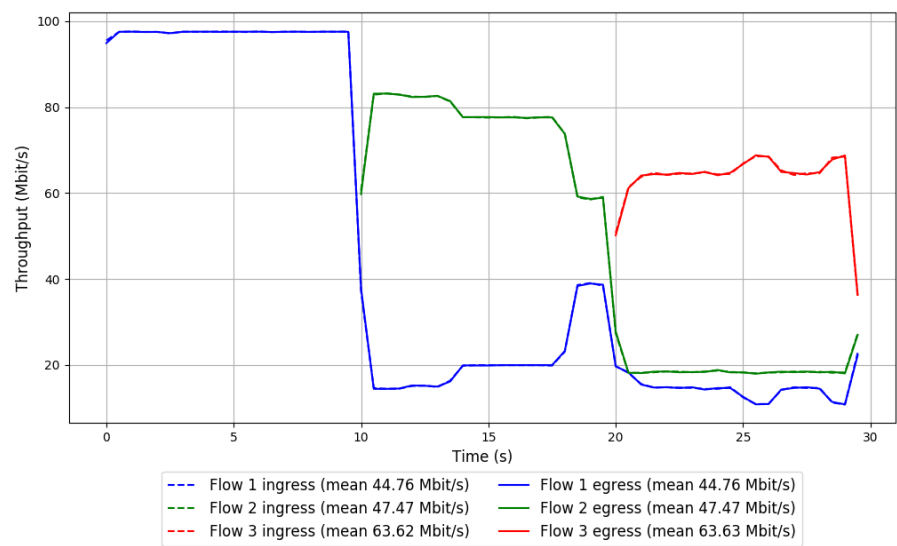


Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 10:00:36  
End at: 2018-02-20 10:01:06  
Local clock offset: -13.181 ms  
Remote clock offset: -12.855 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 4.497 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 44.76 Mbit/s  
95th percentile per-packet one-way delay: 4.388 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 47.47 Mbit/s  
95th percentile per-packet one-way delay: 4.478 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 63.63 Mbit/s  
95th percentile per-packet one-way delay: 4.562 ms  
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

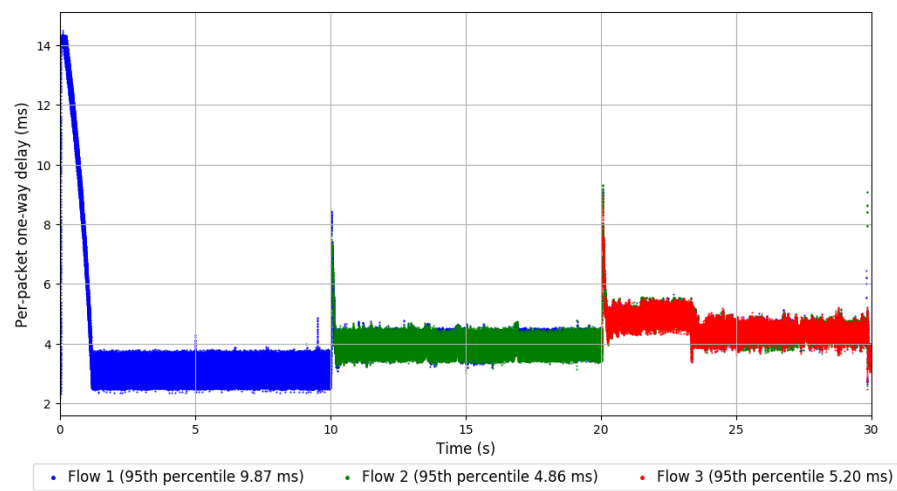
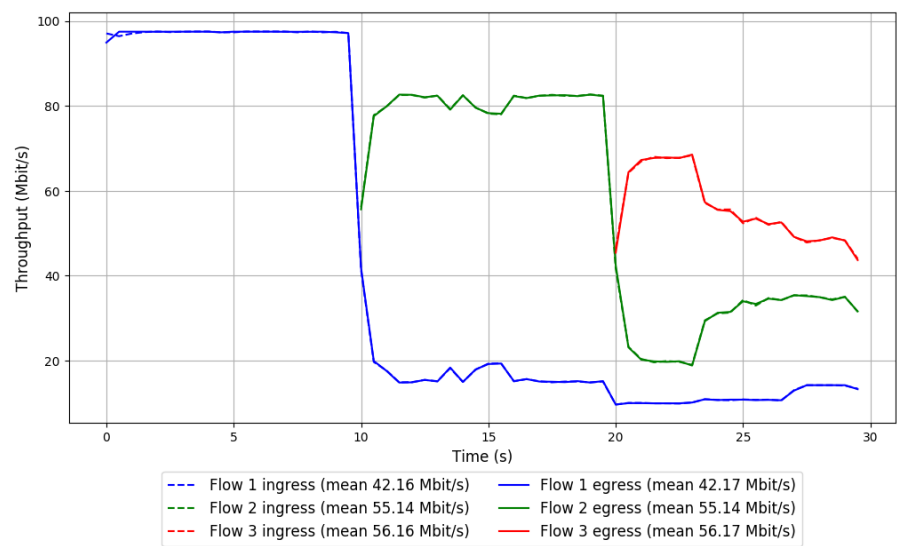


Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 10:21:00  
End at: 2018-02-20 10:21:30  
Local clock offset: -13.24 ms  
Remote clock offset: -12.669 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 5.253 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 42.17 Mbit/s  
95th percentile per-packet one-way delay: 9.872 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 55.14 Mbit/s  
95th percentile per-packet one-way delay: 4.862 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 56.17 Mbit/s  
95th percentile per-packet one-way delay: 5.201 ms  
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link



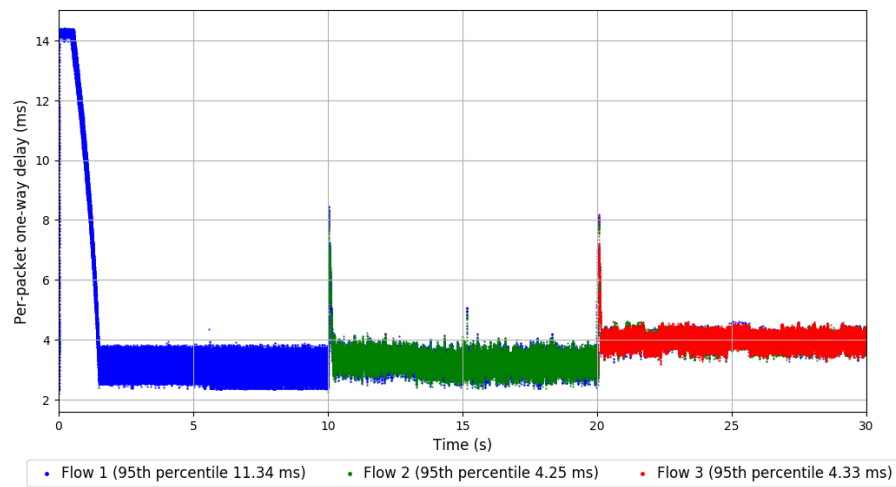
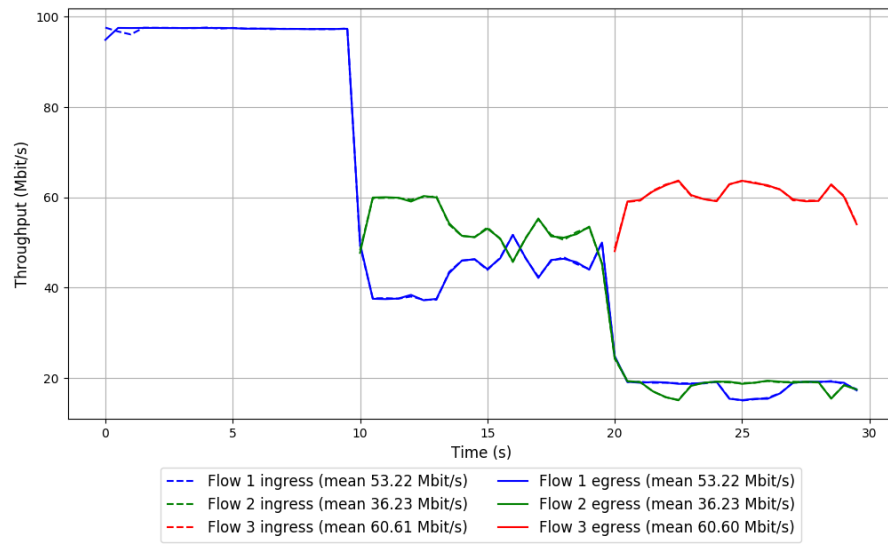
Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 10:41:27  
End at: 2018-02-20 10:41:57  
Local clock offset: -14.881 ms  
Remote clock offset: -12.476 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.42 Mbit/s  
95th percentile per-packet one-way delay: 5.256 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 53.22 Mbit/s  
95th percentile per-packet one-way delay: 11.343 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 36.23 Mbit/s  
95th percentile per-packet one-way delay: 4.246 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 60.60 Mbit/s  
95th percentile per-packet one-way delay: 4.334 ms  
Loss rate: 0.06%



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

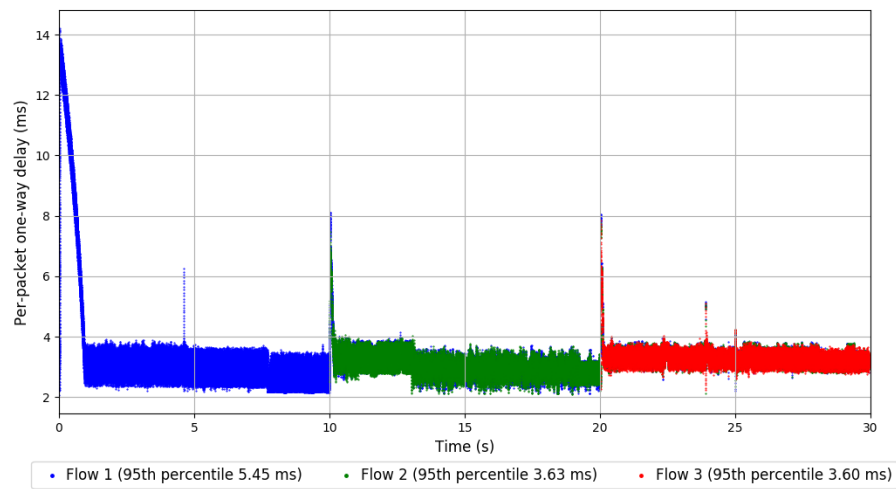
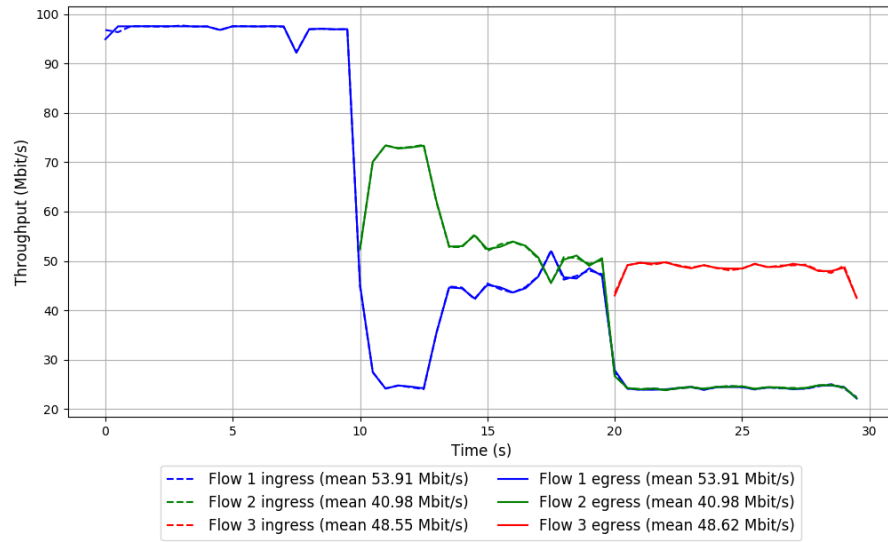


Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 11:01:53  
End at: 2018-02-20 11:02:23  
Local clock offset: -13.893 ms  
Remote clock offset: -12.616 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 3.699 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 53.91 Mbit/s  
95th percentile per-packet one-way delay: 5.448 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 40.98 Mbit/s  
95th percentile per-packet one-way delay: 3.631 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 48.62 Mbit/s  
95th percentile per-packet one-way delay: 3.598 ms  
Loss rate: 0.05%

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

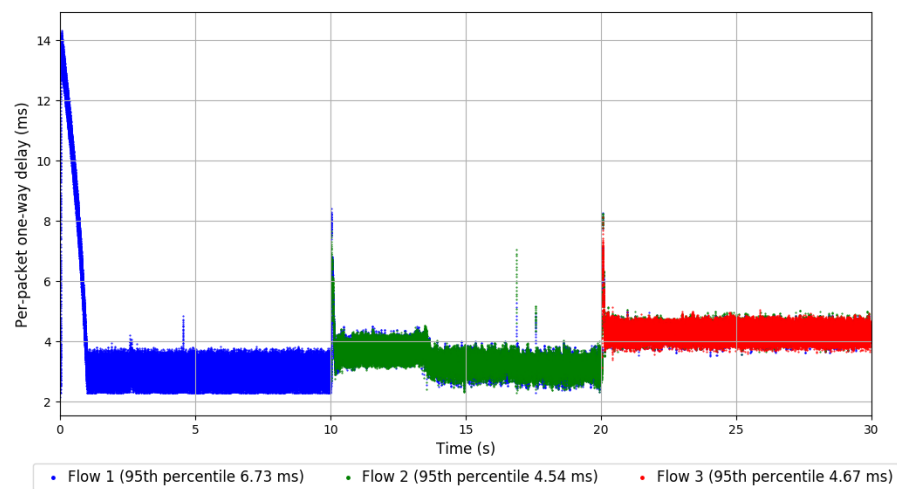
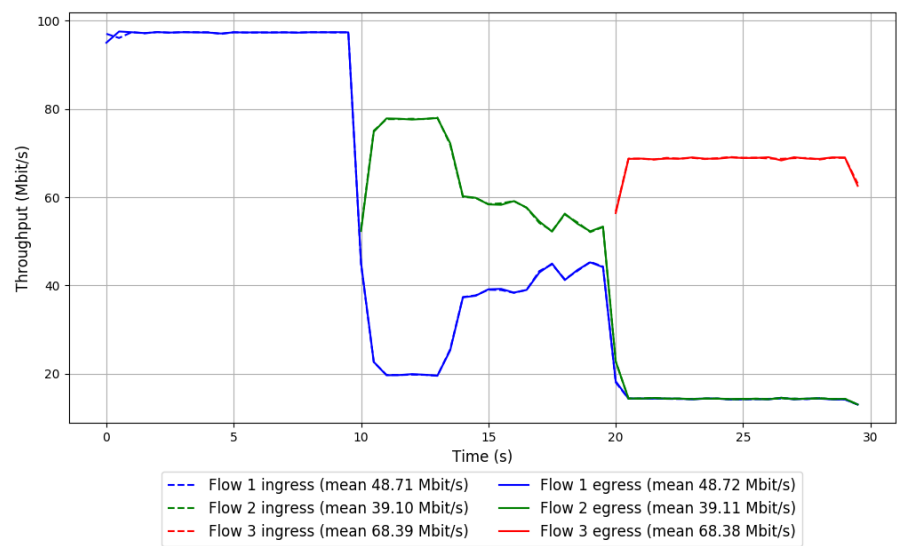


Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 11:22:16  
End at: 2018-02-20 11:22:46  
Local clock offset: -10.971 ms  
Remote clock offset: -12.583 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 4.682 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 48.72 Mbit/s  
95th percentile per-packet one-way delay: 6.732 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 39.11 Mbit/s  
95th percentile per-packet one-way delay: 4.542 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 68.38 Mbit/s  
95th percentile per-packet one-way delay: 4.669 ms  
Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

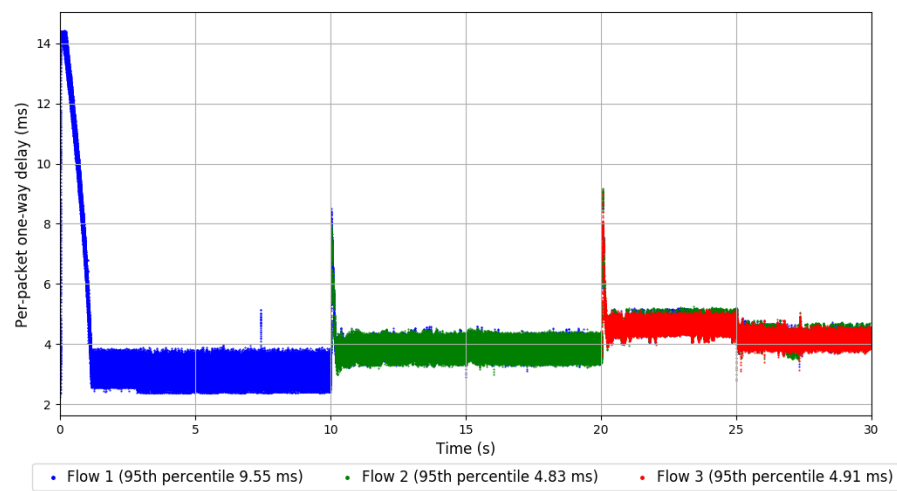
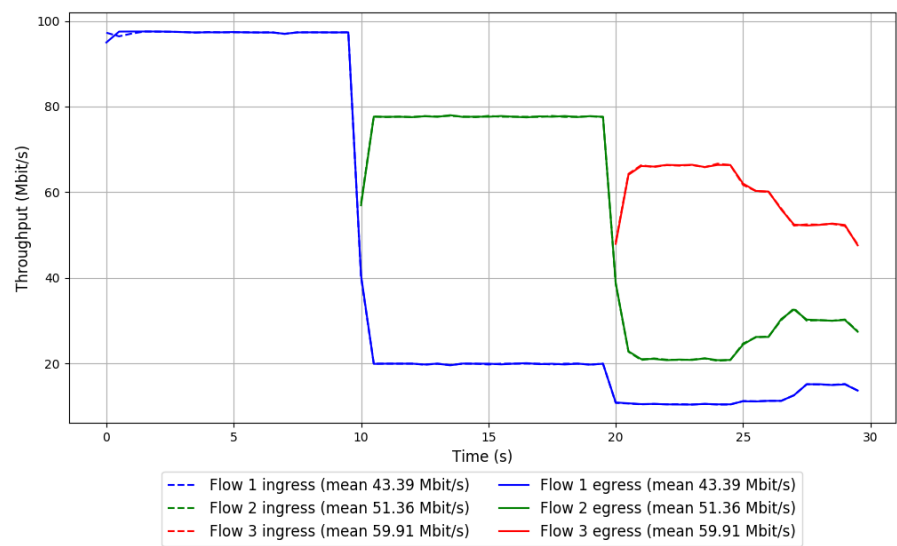


Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 11:42:40  
End at: 2018-02-20 11:43:10  
Local clock offset: -13.598 ms  
Remote clock offset: -12.615 ms

# Below is generated by plot.py at 2018-02-20 16:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 5.005 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 43.39 Mbit/s  
95th percentile per-packet one-way delay: 9.554 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 51.36 Mbit/s  
95th percentile per-packet one-way delay: 4.827 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 59.91 Mbit/s  
95th percentile per-packet one-way delay: 4.914 ms  
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link



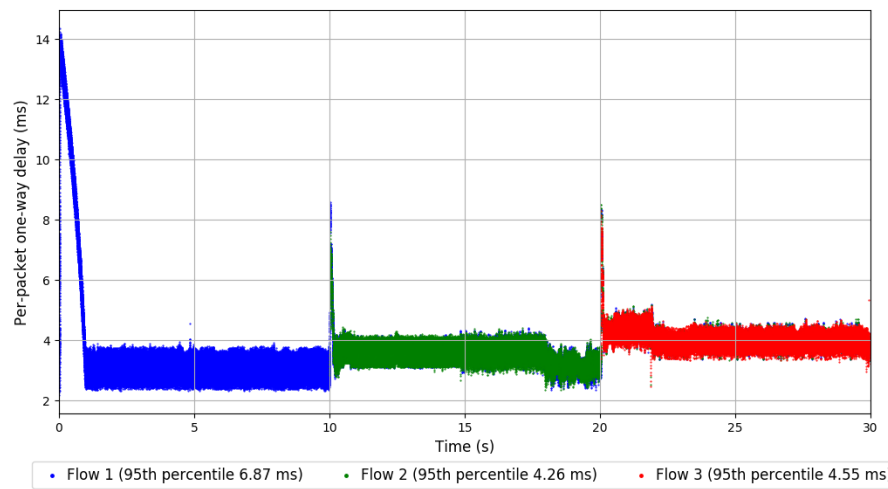
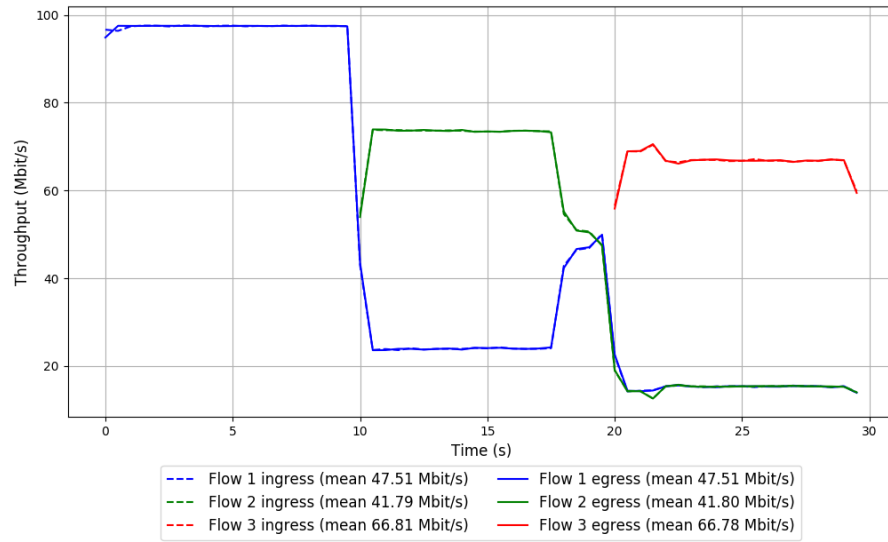
Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 12:03:05  
End at: 2018-02-20 12:03:35  
Local clock offset: -15.199 ms  
Remote clock offset: -12.485 ms

# Below is generated by plot.py at 2018-02-20 16:49:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 4.569 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 47.51 Mbit/s  
95th percentile per-packet one-way delay: 6.872 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 41.80 Mbit/s  
95th percentile per-packet one-way delay: 4.262 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 66.78 Mbit/s  
95th percentile per-packet one-way delay: 4.547 ms  
Loss rate: 0.06%



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

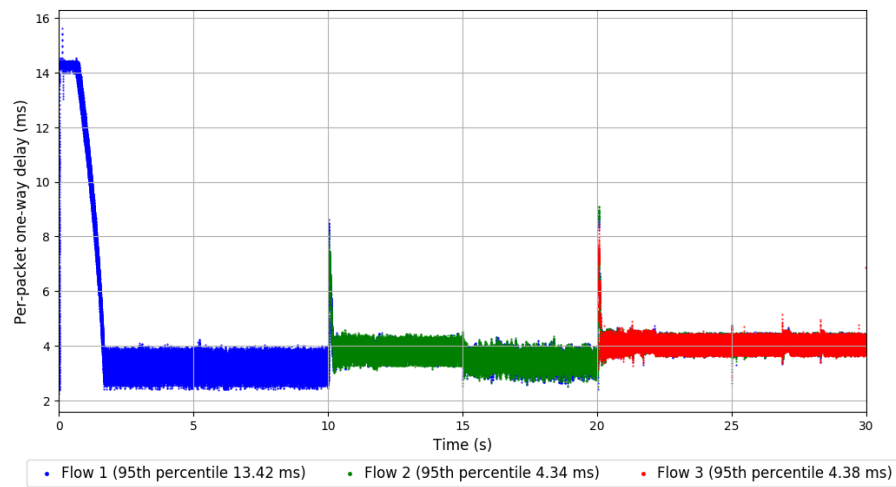
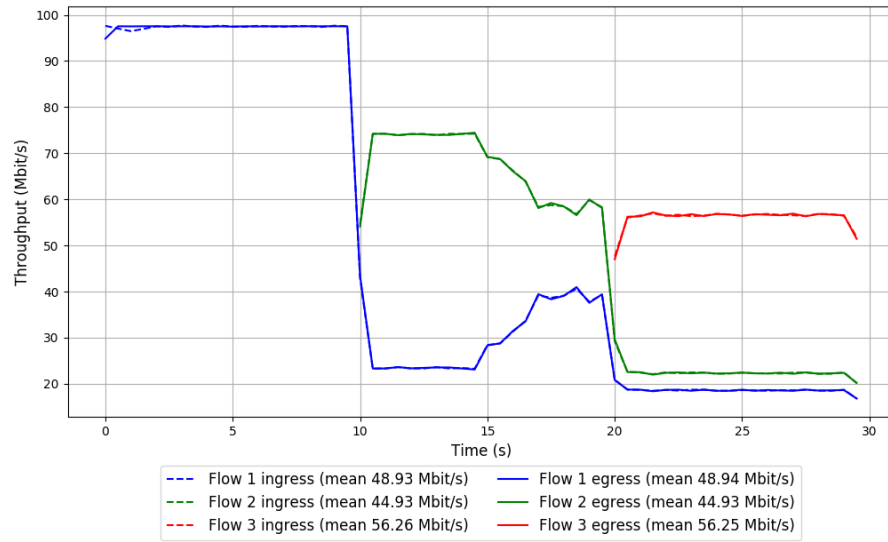


Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 12:23:29  
End at: 2018-02-20 12:23:59  
Local clock offset: -14.516 ms  
Remote clock offset: -12.543 ms

# Below is generated by plot.py at 2018-02-20 16:49:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 6.741 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 48.94 Mbit/s  
95th percentile per-packet one-way delay: 13.417 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 44.93 Mbit/s  
95th percentile per-packet one-way delay: 4.337 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 56.25 Mbit/s  
95th percentile per-packet one-way delay: 4.381 ms  
Loss rate: 0.06%

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

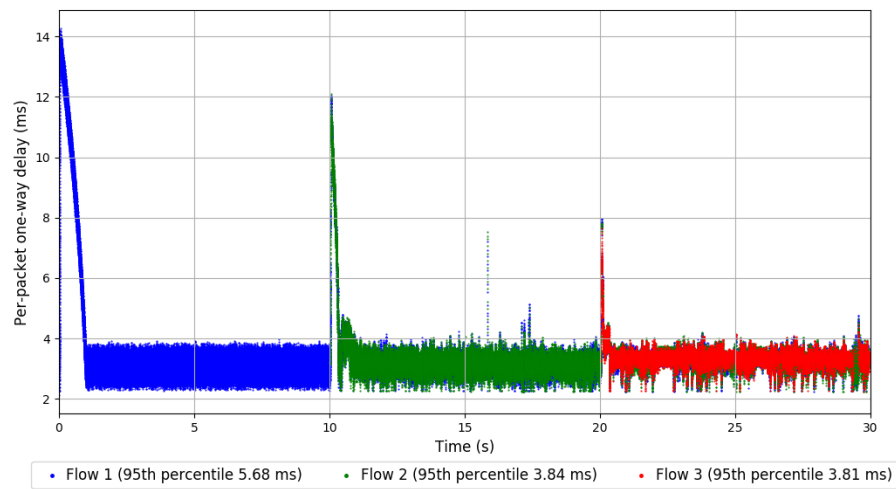
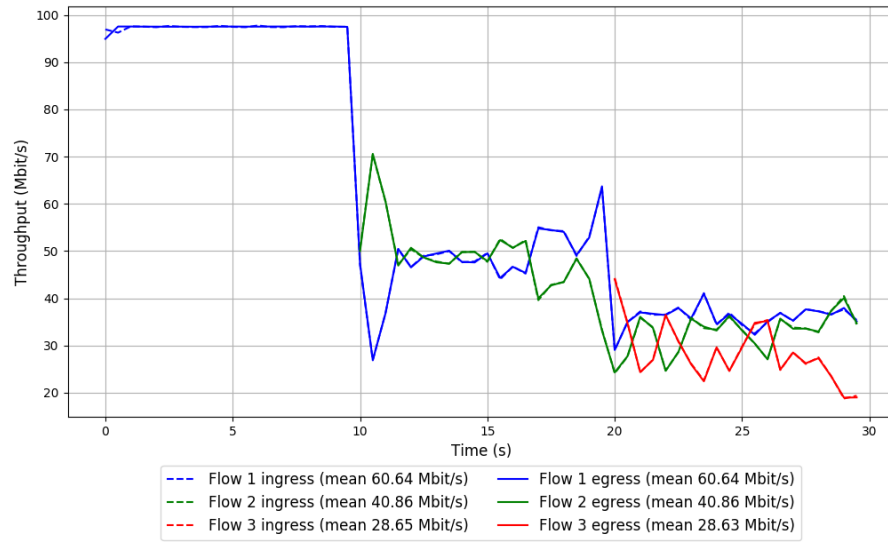


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 12:43:54  
End at: 2018-02-20 12:44:25  
Local clock offset: -14.15 ms  
Remote clock offset: -12.215 ms

# Below is generated by plot.py at 2018-02-20 16:49:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 4.077 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 60.64 Mbit/s  
95th percentile per-packet one-way delay: 5.681 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 40.86 Mbit/s  
95th percentile per-packet one-way delay: 3.840 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 28.63 Mbit/s  
95th percentile per-packet one-way delay: 3.812 ms  
Loss rate: 0.14%

# Run 9: Report of TCP Vegas — Data Link

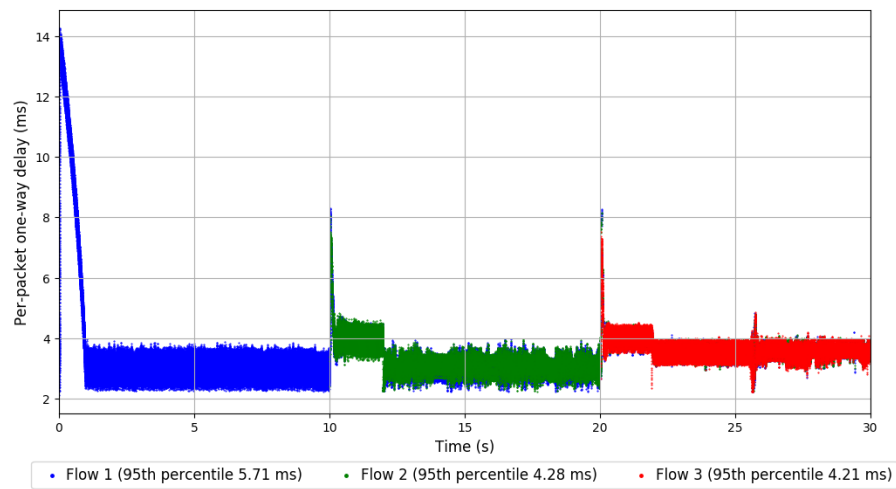
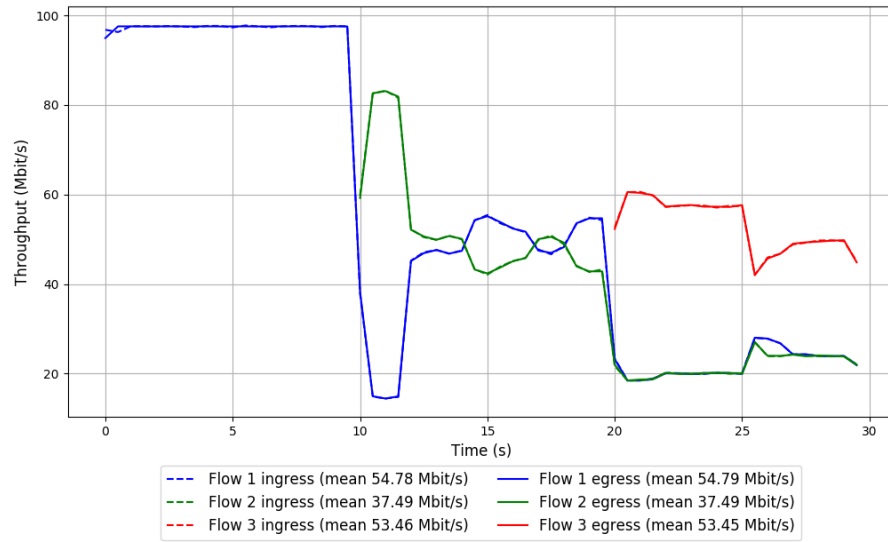


Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 13:04:20  
End at: 2018-02-20 13:04:50  
Local clock offset: -13.309 ms  
Remote clock offset: -12.165 ms

# Below is generated by plot.py at 2018-02-20 16:49:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 4.322 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 54.79 Mbit/s  
95th percentile per-packet one-way delay: 5.709 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 37.49 Mbit/s  
95th percentile per-packet one-way delay: 4.275 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 53.45 Mbit/s  
95th percentile per-packet one-way delay: 4.206 ms  
Loss rate: 0.06%

# Run 10: Report of TCP Vegas — Data Link



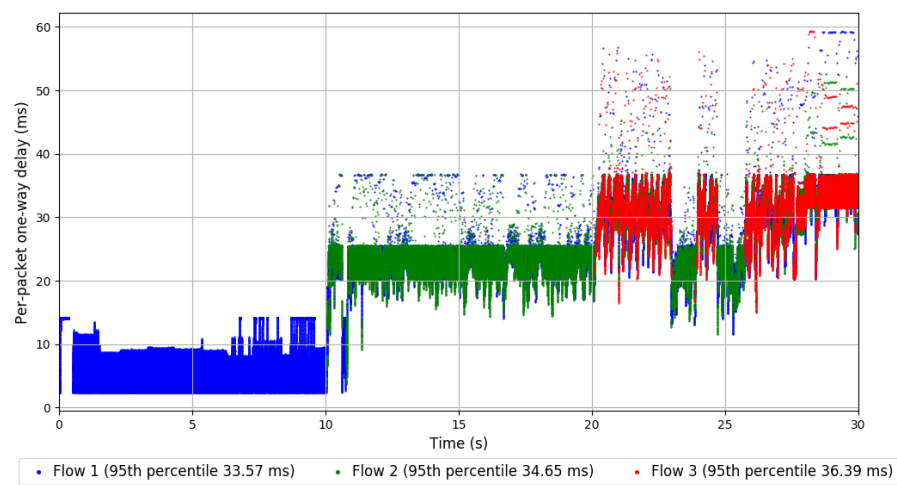
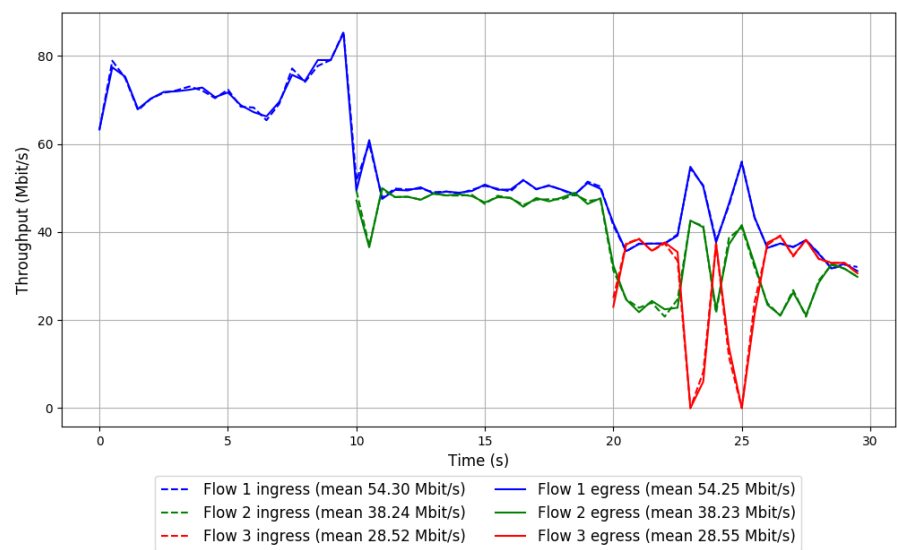
Run 1: Statistics of Verus

Start at: 2018-02-20 09:50:24  
End at: 2018-02-20 09:50:54  
Local clock offset: -12.828 ms  
Remote clock offset: -12.886 ms

# Below is generated by plot.py at 2018-02-20 16:49:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.14 Mbit/s  
95th percentile per-packet one-way delay: 34.777 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 54.25 Mbit/s  
95th percentile per-packet one-way delay: 33.568 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 38.23 Mbit/s  
95th percentile per-packet one-way delay: 34.646 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 28.55 Mbit/s  
95th percentile per-packet one-way delay: 36.386 ms  
Loss rate: 0.40%



Run 1: Report of Verus — Data Link

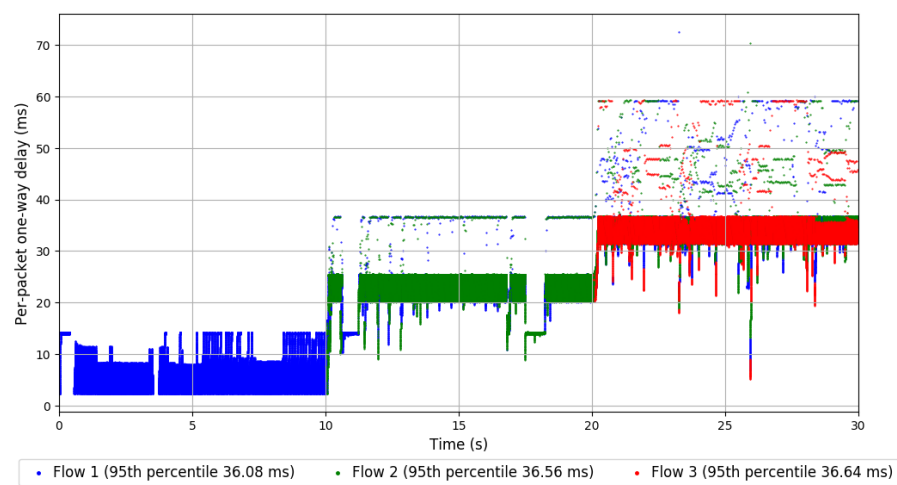
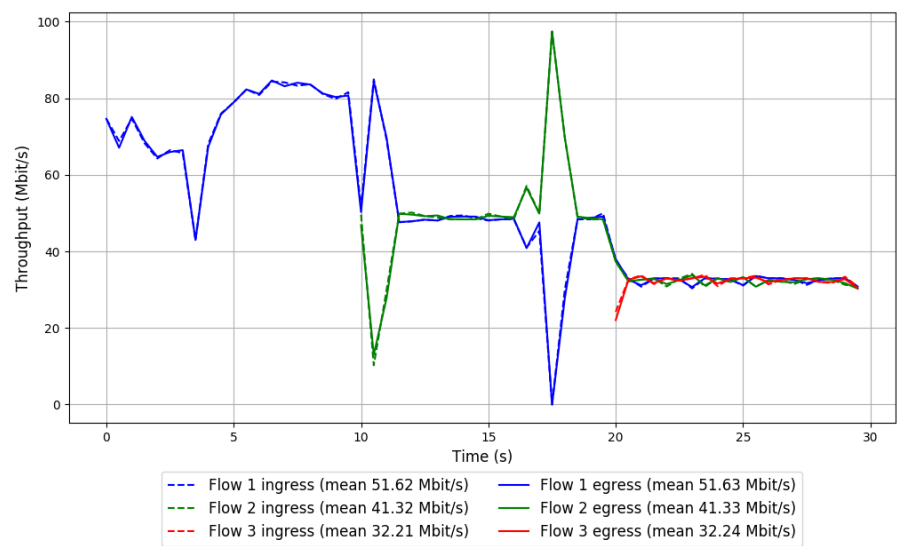


Run 2: Statistics of Verus

Start at: 2018-02-20 10:10:48  
End at: 2018-02-20 10:11:18  
Local clock offset: -13.255 ms  
Remote clock offset: -12.809 ms

# Below is generated by plot.py at 2018-02-20 16:50:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.79 Mbit/s  
95th percentile per-packet one-way delay: 36.542 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 51.63 Mbit/s  
95th percentile per-packet one-way delay: 36.082 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 41.33 Mbit/s  
95th percentile per-packet one-way delay: 36.557 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 32.24 Mbit/s  
95th percentile per-packet one-way delay: 36.643 ms  
Loss rate: 0.47%

Run 2: Report of Verus — Data Link

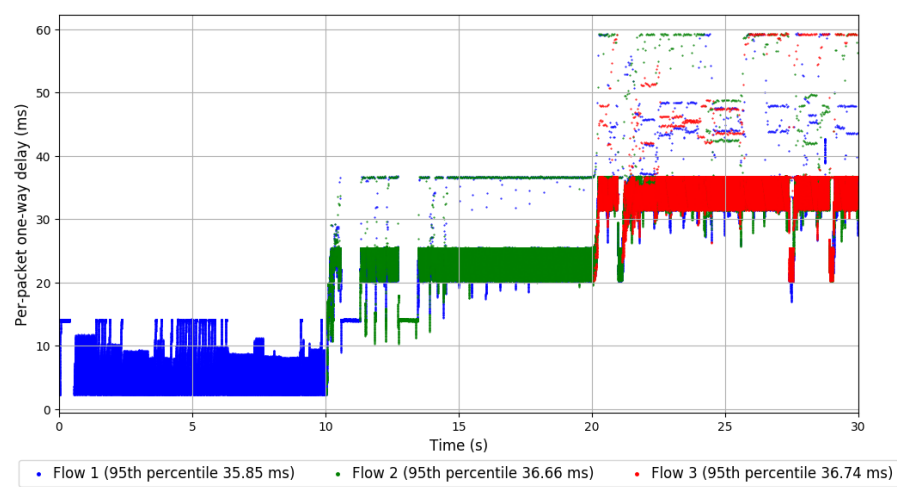
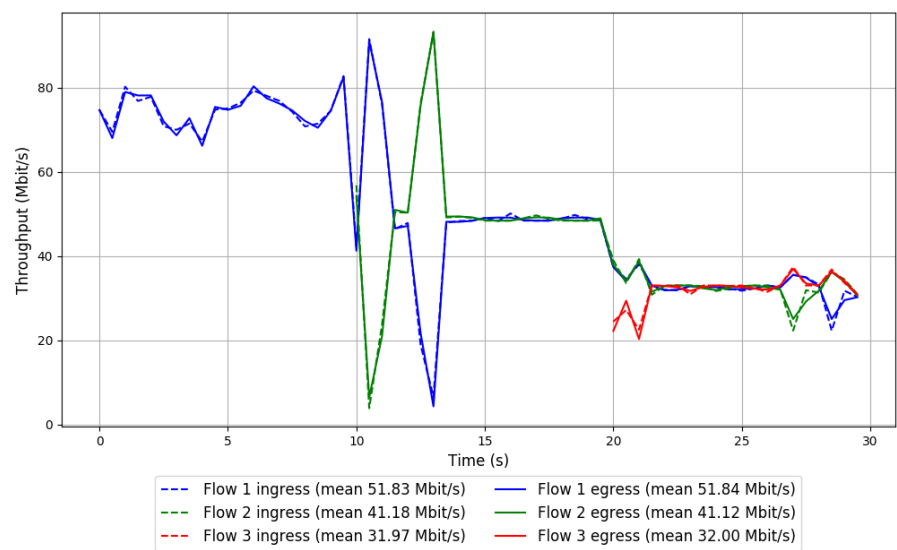


Run 3: Statistics of Verus

Start at: 2018-02-20 10:31:16  
End at: 2018-02-20 10:31:46  
Local clock offset: -14.267 ms  
Remote clock offset: -12.574 ms

# Below is generated by plot.py at 2018-02-20 16:50:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.80 Mbit/s  
95th percentile per-packet one-way delay: 36.645 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 51.84 Mbit/s  
95th percentile per-packet one-way delay: 35.849 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 41.12 Mbit/s  
95th percentile per-packet one-way delay: 36.663 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 32.00 Mbit/s  
95th percentile per-packet one-way delay: 36.736 ms  
Loss rate: 0.35%

Run 3: Report of Verus — Data Link

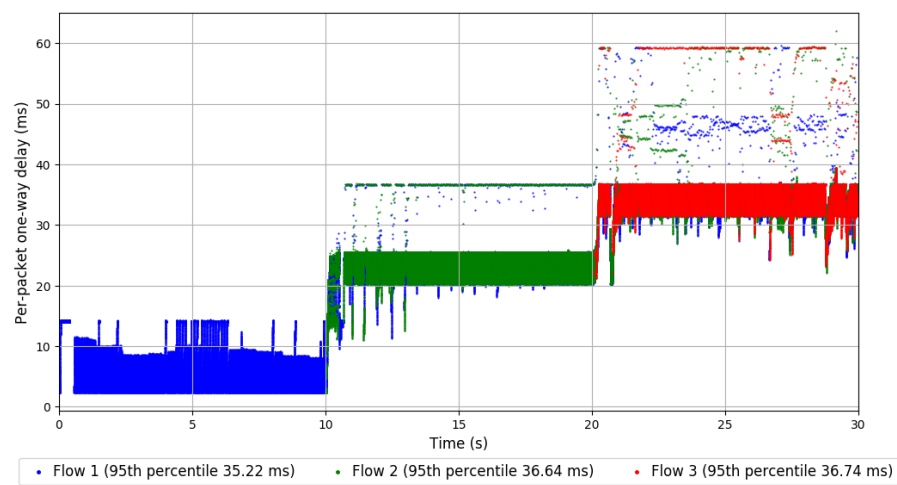
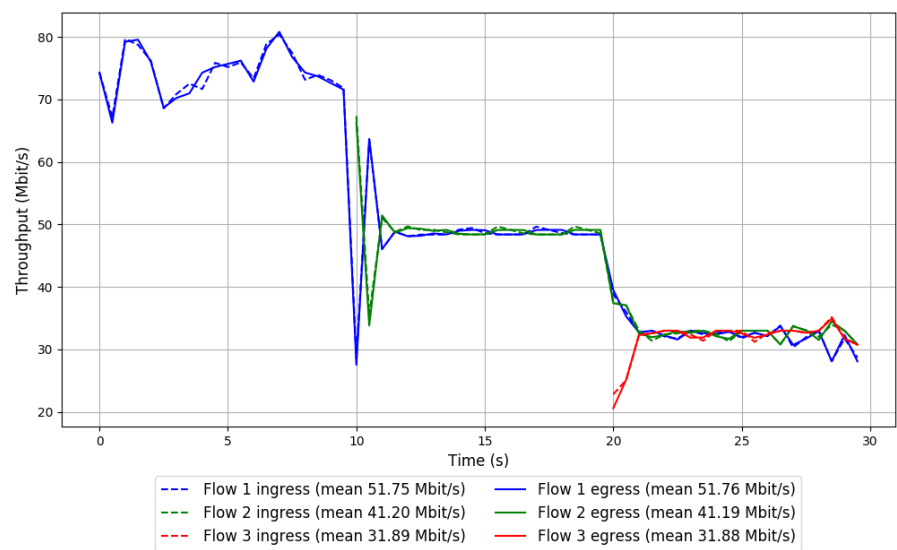


Run 4: Statistics of Verus

Start at: 2018-02-20 10:51:41  
End at: 2018-02-20 10:52:11  
Local clock offset: -15.299 ms  
Remote clock offset: -12.527 ms

# Below is generated by plot.py at 2018-02-20 16:50:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.70 Mbit/s  
95th percentile per-packet one-way delay: 36.628 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 51.76 Mbit/s  
95th percentile per-packet one-way delay: 35.224 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 41.19 Mbit/s  
95th percentile per-packet one-way delay: 36.638 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 31.88 Mbit/s  
95th percentile per-packet one-way delay: 36.741 ms  
Loss rate: 0.41%

Run 4: Report of Verus — Data Link



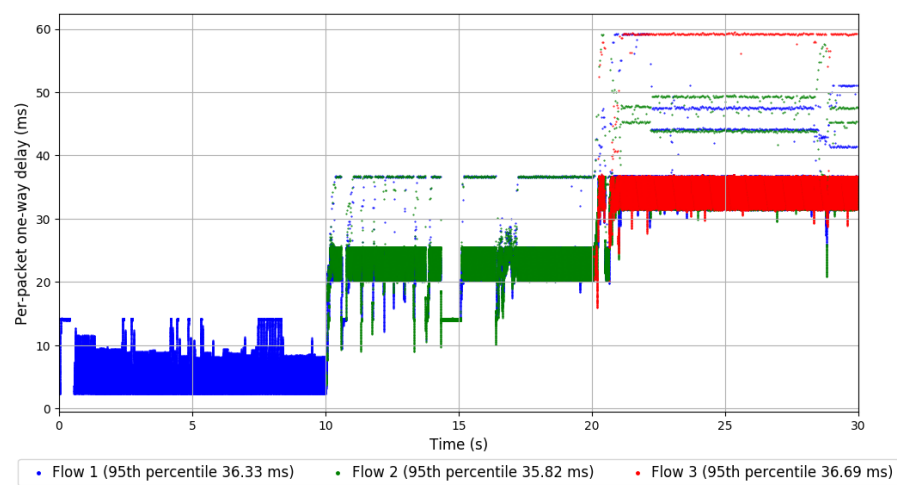
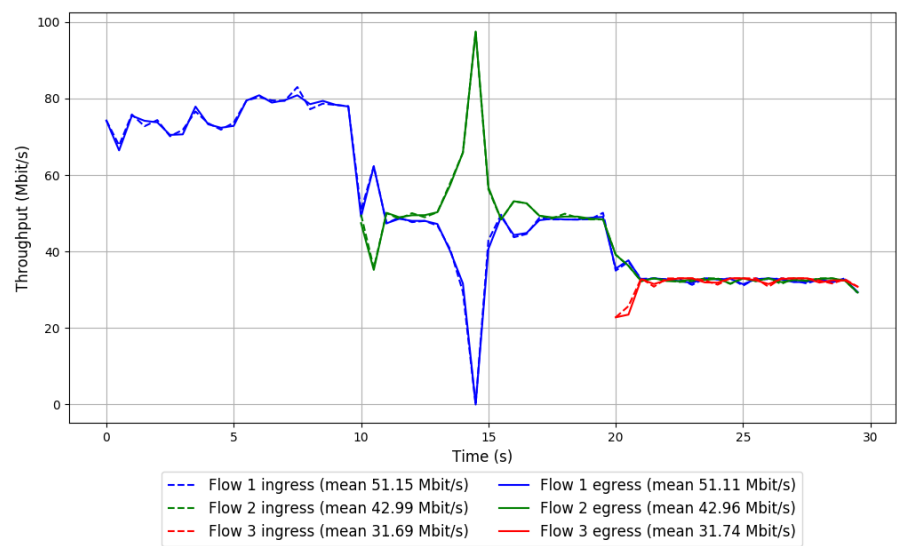
Run 5: Statistics of Verus

Start at: 2018-02-20 11:12:05  
End at: 2018-02-20 11:12:35  
Local clock offset: -11.774 ms  
Remote clock offset: -12.639 ms

# Below is generated by plot.py at 2018-02-20 16:50:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.21 Mbit/s  
95th percentile per-packet one-way delay: 36.590 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 51.11 Mbit/s  
95th percentile per-packet one-way delay: 36.328 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 42.96 Mbit/s  
95th percentile per-packet one-way delay: 35.816 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 31.74 Mbit/s  
95th percentile per-packet one-way delay: 36.692 ms  
Loss rate: 0.36%



Run 5: Report of Verus — Data Link

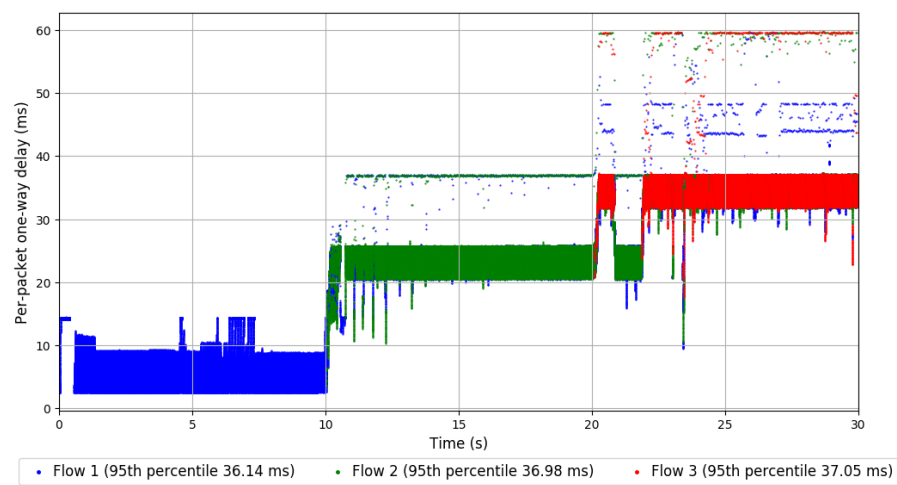
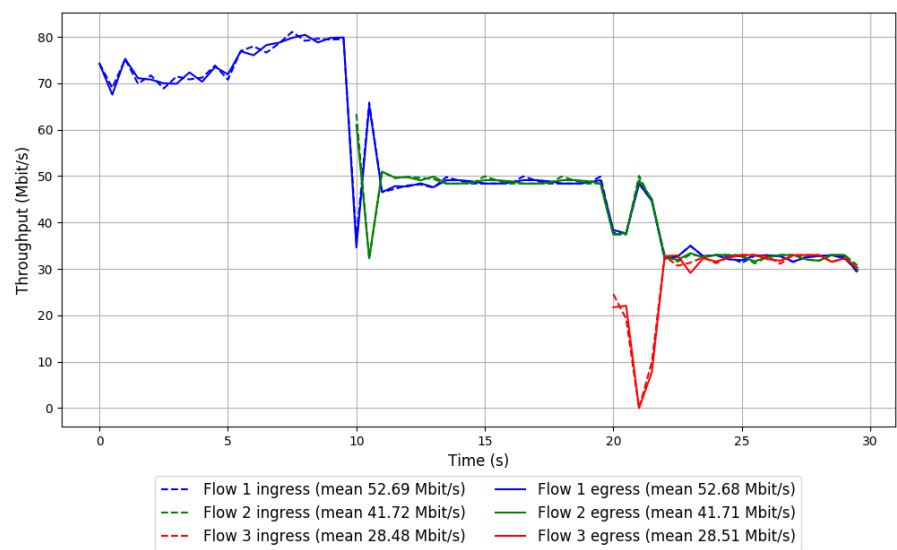


Run 6: Statistics of Verus

Start at: 2018-02-20 11:32:28  
End at: 2018-02-20 11:32:58  
Local clock offset: -10.798 ms  
Remote clock offset: -12.615 ms

# Below is generated by plot.py at 2018-02-20 16:50:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.88 Mbit/s  
95th percentile per-packet one-way delay: 36.966 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 52.68 Mbit/s  
95th percentile per-packet one-way delay: 36.137 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 41.71 Mbit/s  
95th percentile per-packet one-way delay: 36.980 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 28.51 Mbit/s  
95th percentile per-packet one-way delay: 37.055 ms  
Loss rate: 0.40%

Run 6: Report of Verus — Data Link

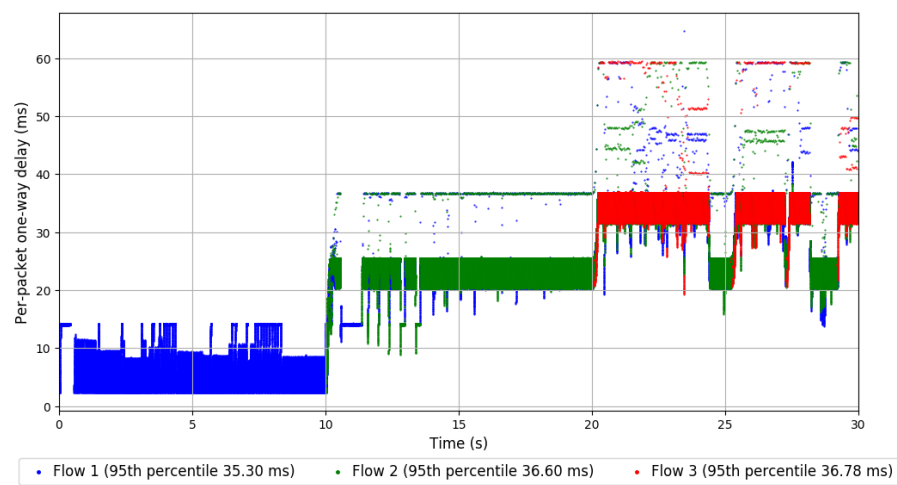
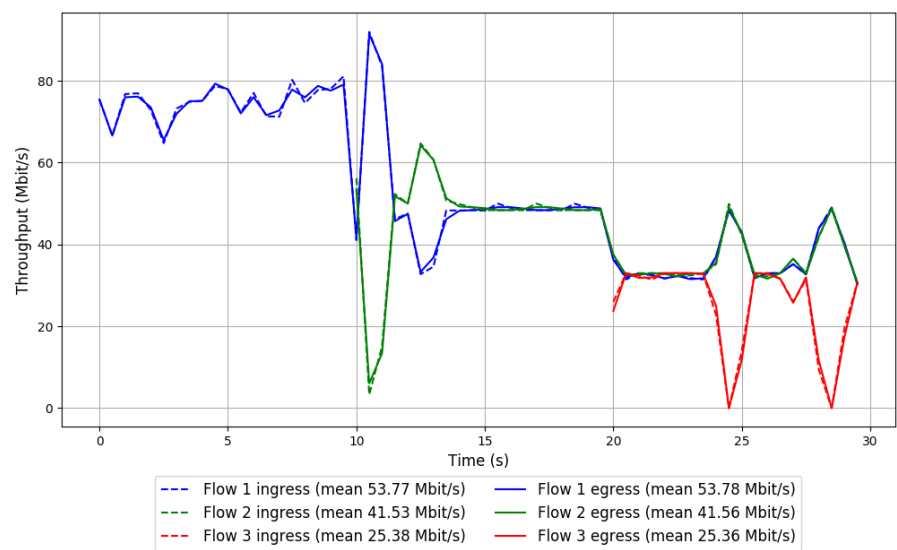


Run 7: Statistics of Verus

Start at: 2018-02-20 11:52:53  
End at: 2018-02-20 11:53:23  
Local clock offset: -14.666 ms  
Remote clock offset: -12.615 ms

# Below is generated by plot.py at 2018-02-20 16:50:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.85 Mbit/s  
95th percentile per-packet one-way delay: 36.641 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 53.78 Mbit/s  
95th percentile per-packet one-way delay: 35.297 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 41.56 Mbit/s  
95th percentile per-packet one-way delay: 36.596 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 25.36 Mbit/s  
95th percentile per-packet one-way delay: 36.782 ms  
Loss rate: 0.44%

Run 7: Report of Verus — Data Link

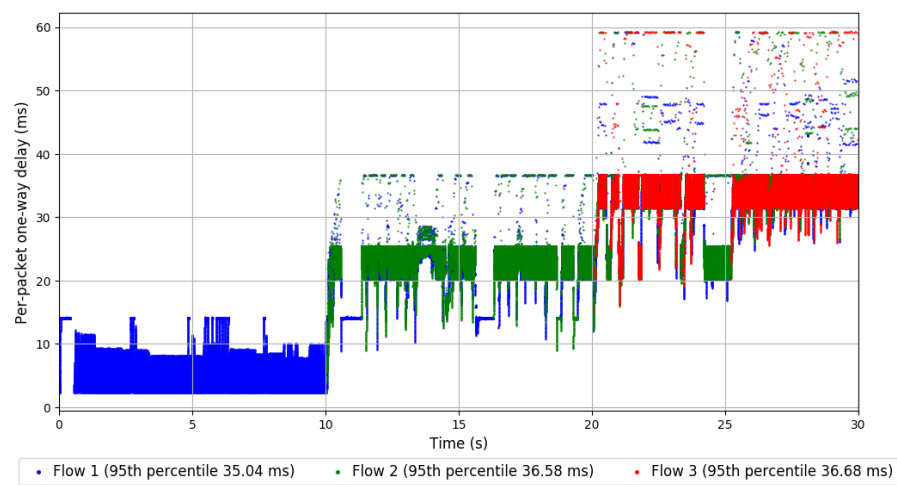
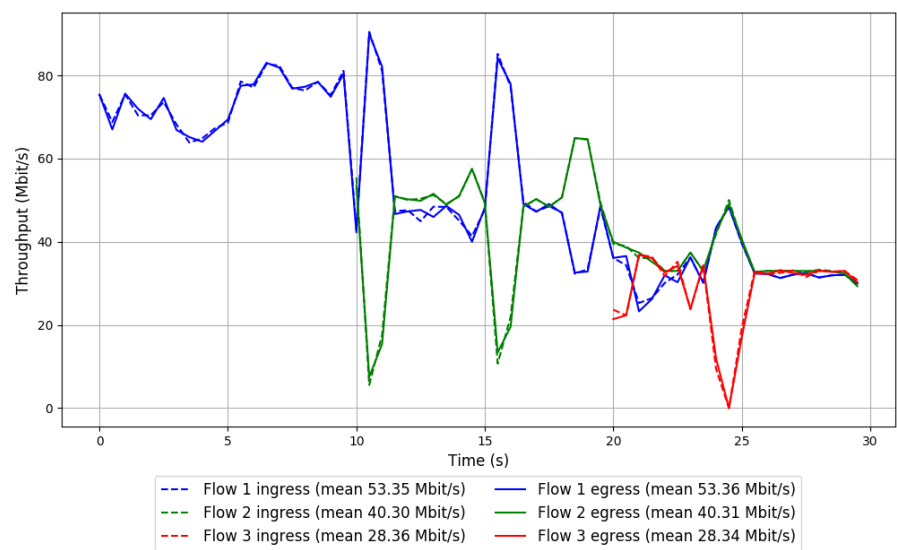


Run 8: Statistics of Verus

Start at: 2018-02-20 12:13:17  
End at: 2018-02-20 12:13:47  
Local clock offset: -14.709 ms  
Remote clock offset: -12.448 ms

# Below is generated by plot.py at 2018-02-20 16:50:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.51 Mbit/s  
95th percentile per-packet one-way delay: 36.538 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 53.36 Mbit/s  
95th percentile per-packet one-way delay: 35.043 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.31 Mbit/s  
95th percentile per-packet one-way delay: 36.581 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 28.34 Mbit/s  
95th percentile per-packet one-way delay: 36.680 ms  
Loss rate: 0.49%

Run 8: Report of Verus — Data Link



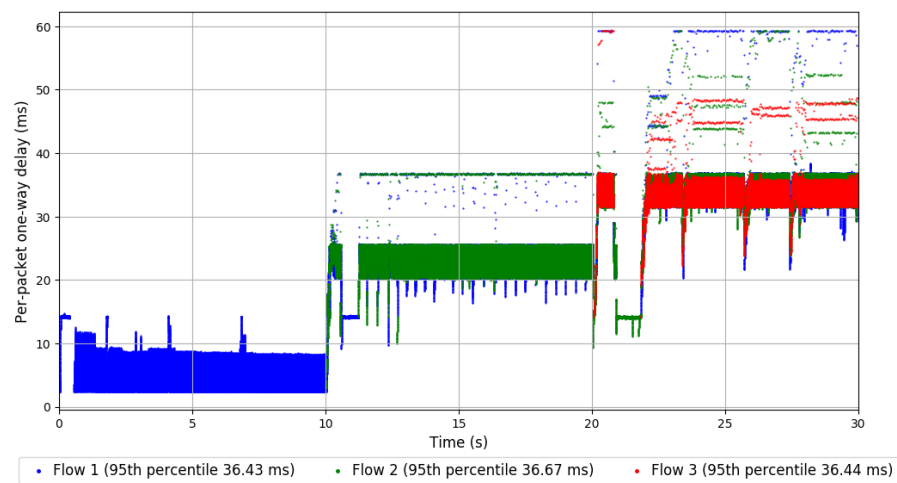
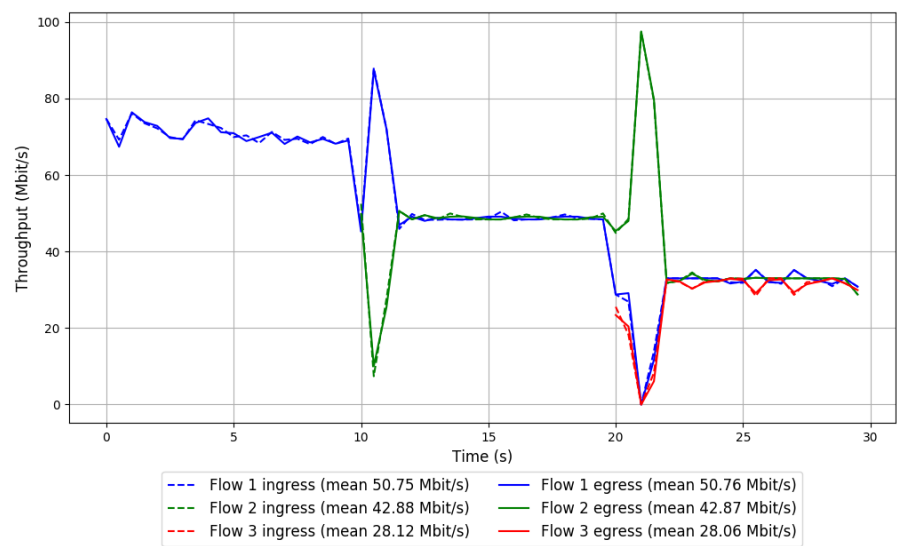
Run 9: Statistics of Verus

Start at: 2018-02-20 12:33:42  
End at: 2018-02-20 12:34:12  
Local clock offset: -14.539 ms  
Remote clock offset: -12.404 ms

# Below is generated by plot.py at 2018-02-20 16:50:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.57 Mbit/s  
95th percentile per-packet one-way delay: 36.612 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 50.76 Mbit/s  
95th percentile per-packet one-way delay: 36.427 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 42.87 Mbit/s  
95th percentile per-packet one-way delay: 36.666 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 28.06 Mbit/s  
95th percentile per-packet one-way delay: 36.439 ms  
Loss rate: 0.46%



Run 9: Report of Verus — Data Link

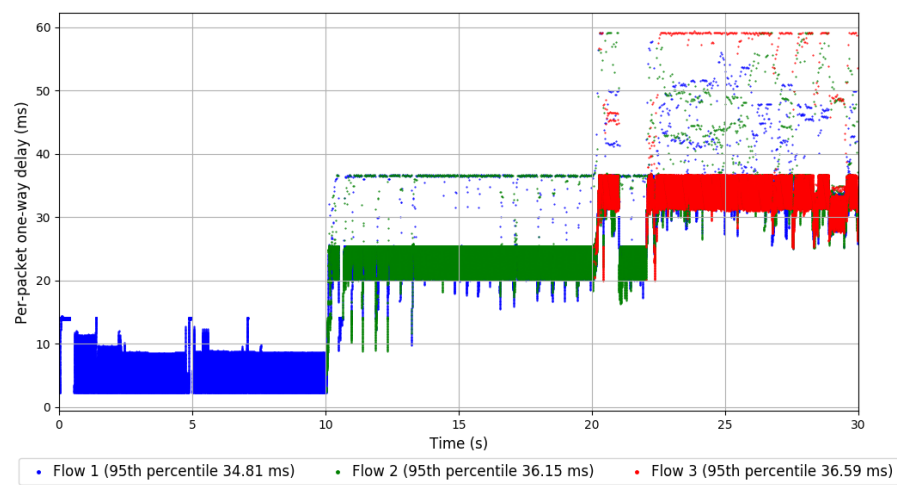
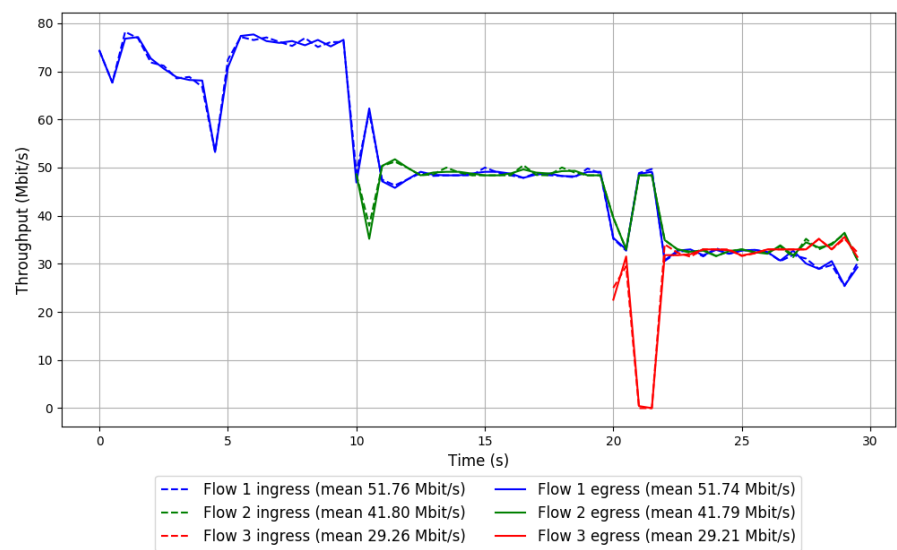


Run 10: Statistics of Verus

Start at: 2018-02-20 12:54:08  
End at: 2018-02-20 12:54:38  
Local clock offset: -13.592 ms  
Remote clock offset: -12.18 ms

# Below is generated by plot.py at 2018-02-20 16:51:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.22 Mbit/s  
95th percentile per-packet one-way delay: 36.331 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 51.74 Mbit/s  
95th percentile per-packet one-way delay: 34.807 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 41.79 Mbit/s  
95th percentile per-packet one-way delay: 36.150 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 29.21 Mbit/s  
95th percentile per-packet one-way delay: 36.595 ms  
Loss rate: 0.47%

Run 10: Report of Verus — Data Link

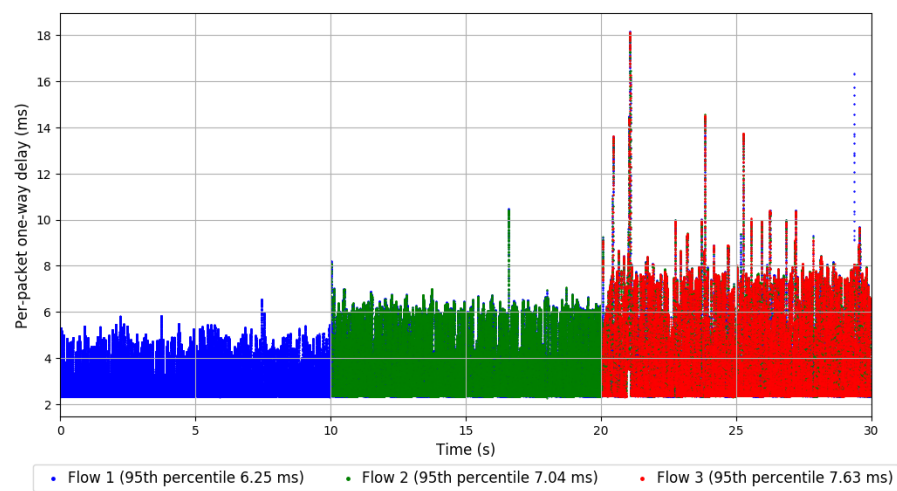
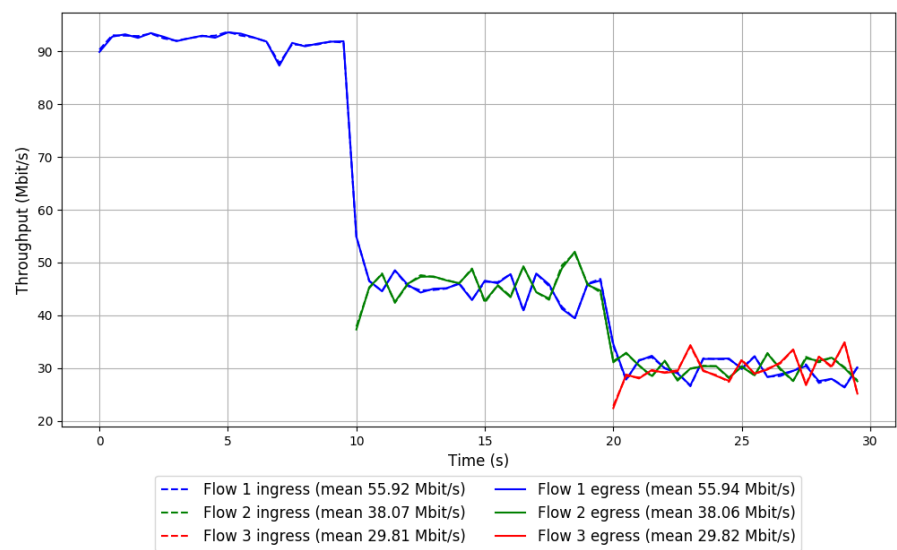


Run 1: Statistics of Copa

Start at: 2018-02-20 09:51:33  
End at: 2018-02-20 09:52:03  
Local clock offset: -12.87 ms  
Remote clock offset: -12.883 ms

# Below is generated by plot.py at 2018-02-20 16:52:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.13 Mbit/s  
95th percentile per-packet one-way delay: 6.868 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 55.94 Mbit/s  
95th percentile per-packet one-way delay: 6.246 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 38.06 Mbit/s  
95th percentile per-packet one-way delay: 7.037 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 29.82 Mbit/s  
95th percentile per-packet one-way delay: 7.630 ms  
Loss rate: 0.03%

Run 1: Report of Copa — Data Link

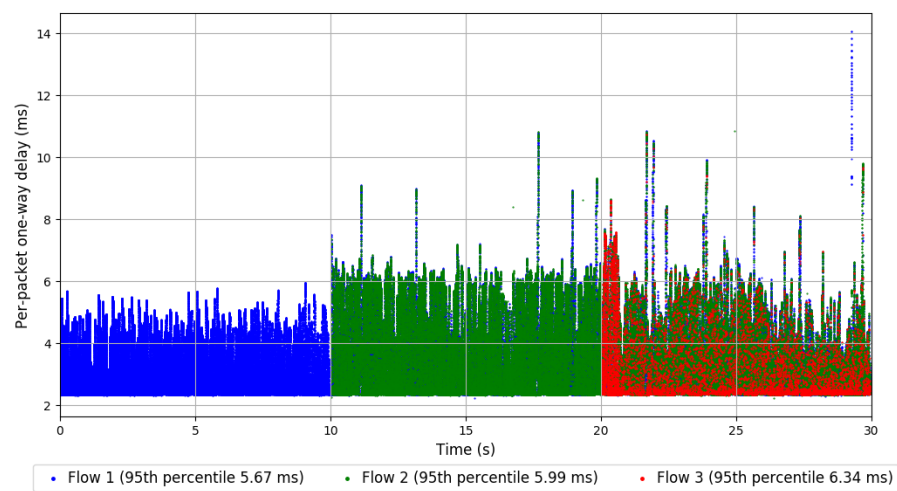
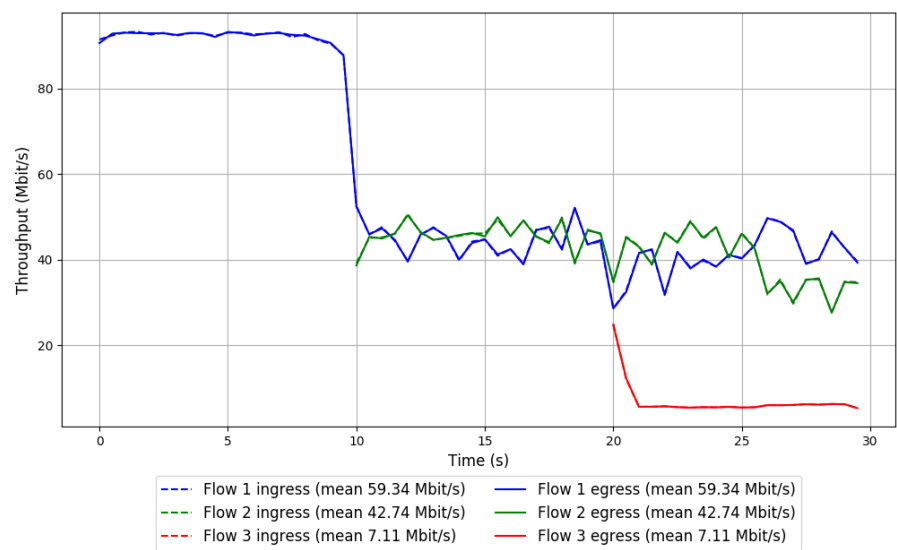


Run 2: Statistics of Copa

Start at: 2018-02-20 10:11:57  
End at: 2018-02-20 10:12:27  
Local clock offset: -13.198 ms  
Remote clock offset: -12.8 ms

# Below is generated by plot.py at 2018-02-20 16:52:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.12 Mbit/s  
95th percentile per-packet one-way delay: 5.827 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 59.34 Mbit/s  
95th percentile per-packet one-way delay: 5.670 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 42.74 Mbit/s  
95th percentile per-packet one-way delay: 5.988 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 7.11 Mbit/s  
95th percentile per-packet one-way delay: 6.342 ms  
Loss rate: 0.04%

Run 2: Report of Copa — Data Link



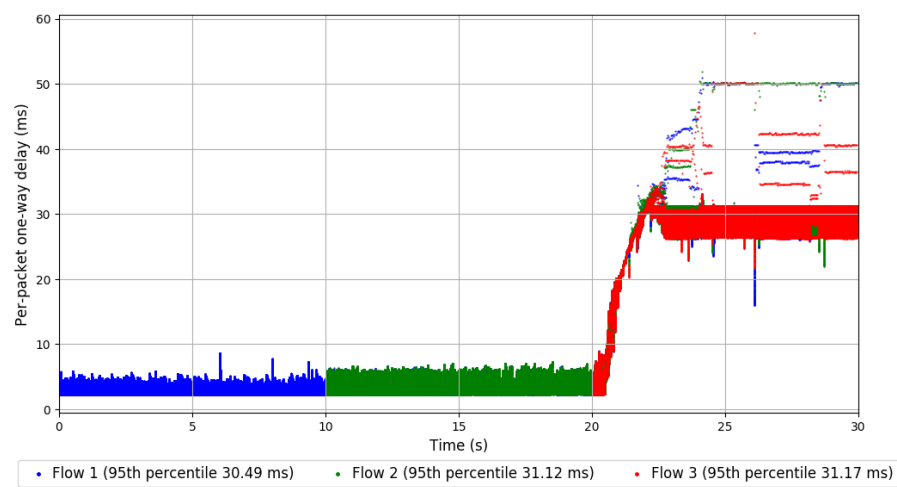
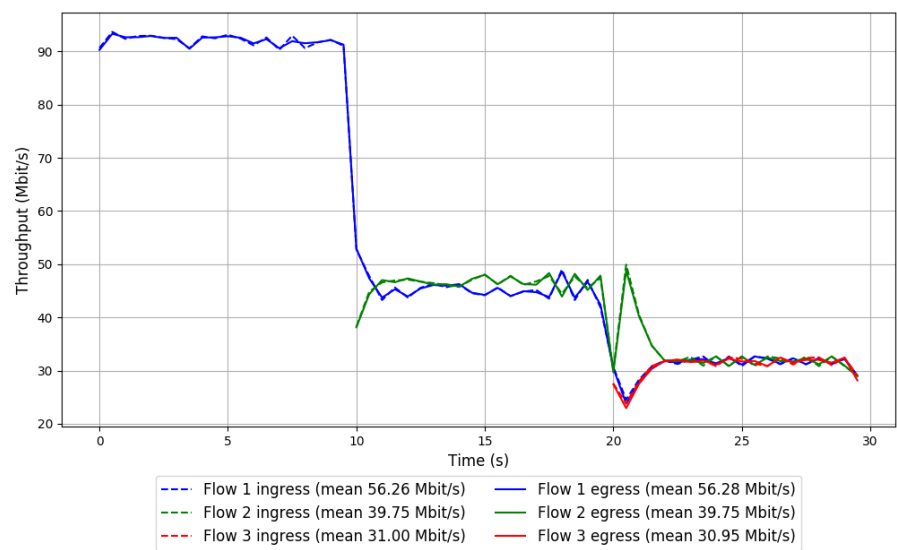
Run 3: Statistics of Copa

Start at: 2018-02-20 10:32:25  
End at: 2018-02-20 10:32:55  
Local clock offset: -14.393 ms  
Remote clock offset: -12.533 ms

# Below is generated by plot.py at 2018-02-20 16:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.94 Mbit/s  
95th percentile per-packet one-way delay: 31.072 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.28 Mbit/s  
95th percentile per-packet one-way delay: 30.492 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.75 Mbit/s  
95th percentile per-packet one-way delay: 31.116 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 30.95 Mbit/s  
95th percentile per-packet one-way delay: 31.173 ms  
Loss rate: 0.44%



Run 3: Report of Copa — Data Link

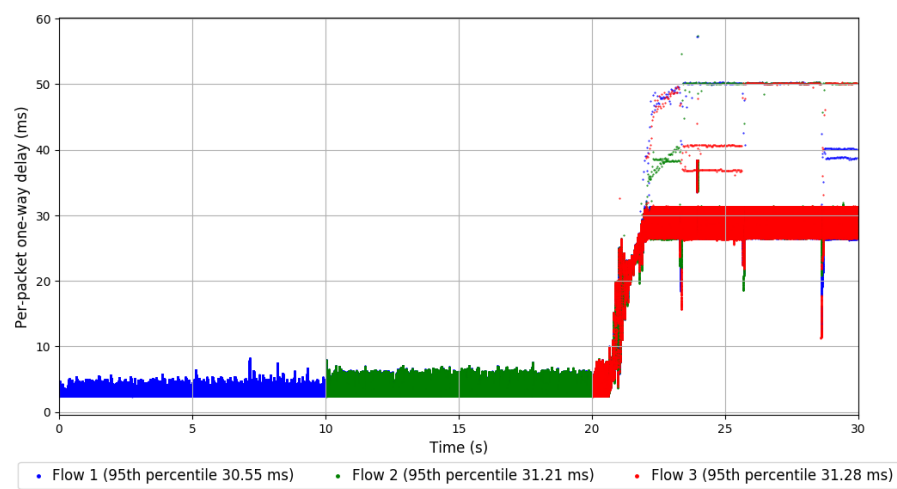
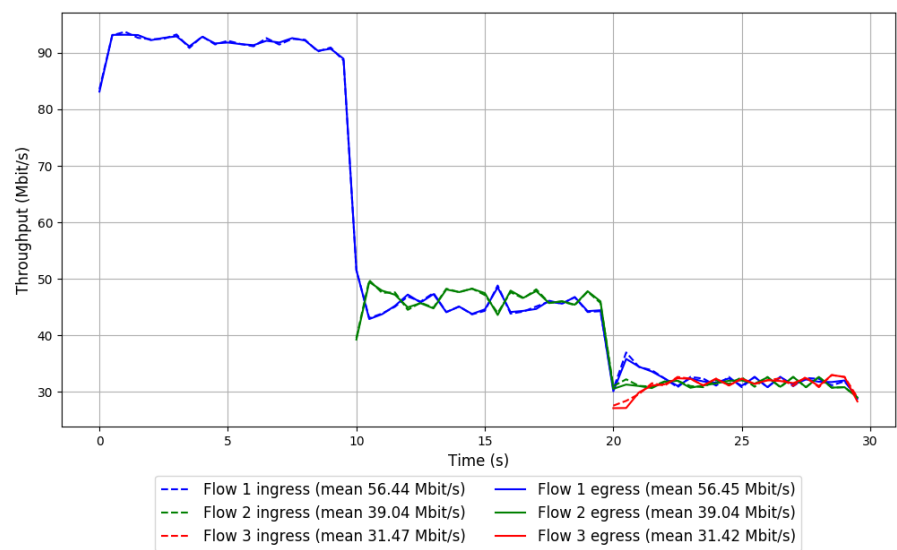


Run 4: Statistics of Copa

Start at: 2018-02-20 10:52:51  
End at: 2018-02-20 10:53:21  
Local clock offset: -15.333 ms  
Remote clock offset: -12.584 ms

# Below is generated by plot.py at 2018-02-20 16:52:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.80 Mbit/s  
95th percentile per-packet one-way delay: 31.181 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.45 Mbit/s  
95th percentile per-packet one-way delay: 30.553 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.04 Mbit/s  
95th percentile per-packet one-way delay: 31.214 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.42 Mbit/s  
95th percentile per-packet one-way delay: 31.284 ms  
Loss rate: 0.41%

Run 4: Report of Copa — Data Link

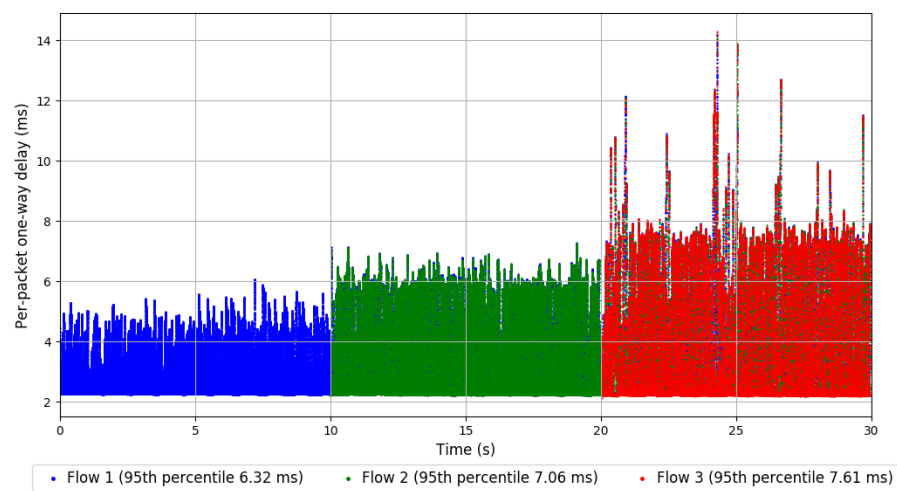
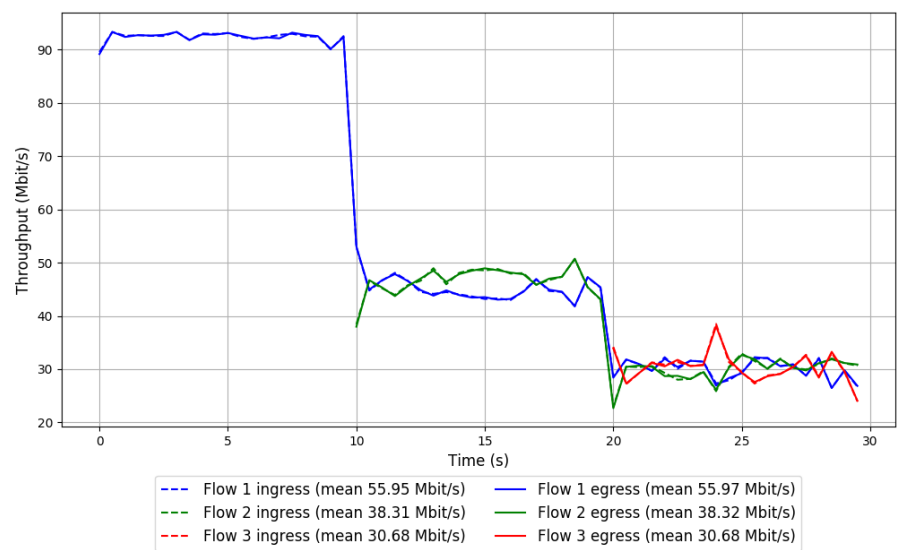


Run 5: Statistics of Copa

Start at: 2018-02-20 11:13:14  
End at: 2018-02-20 11:13:44  
Local clock offset: -11.668 ms  
Remote clock offset: -12.563 ms

# Below is generated by plot.py at 2018-02-20 16:52:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.62 Mbit/s  
95th percentile per-packet one-way delay: 6.924 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 55.97 Mbit/s  
95th percentile per-packet one-way delay: 6.321 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 38.32 Mbit/s  
95th percentile per-packet one-way delay: 7.062 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 30.68 Mbit/s  
95th percentile per-packet one-way delay: 7.606 ms  
Loss rate: 0.04%

Run 5: Report of Copa — Data Link

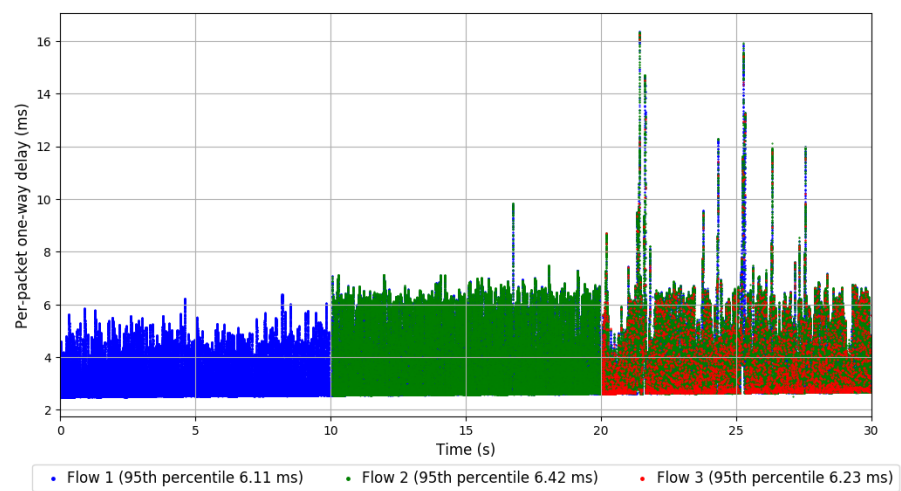
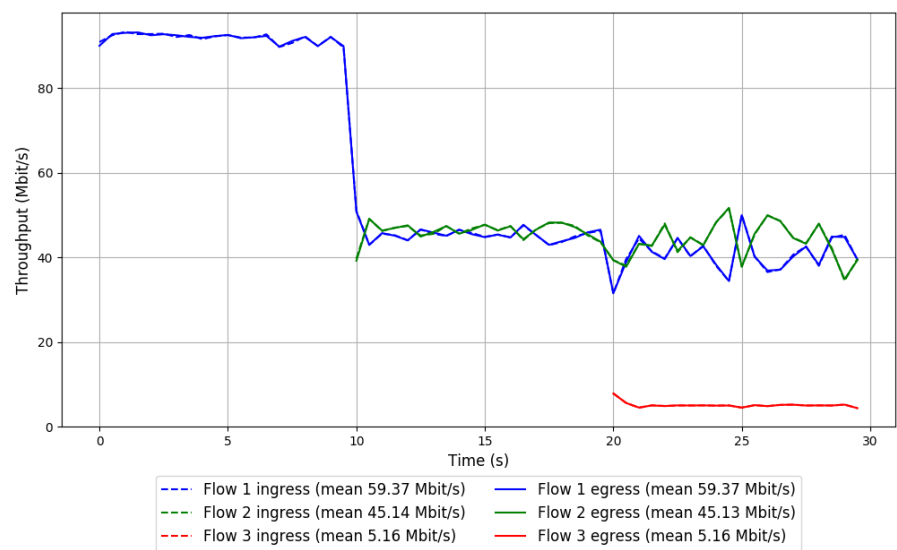


Run 6: Statistics of Copa

Start at: 2018-02-20 11:33:37  
End at: 2018-02-20 11:34:07  
Local clock offset: -11.284 ms  
Remote clock offset: -12.615 ms

# Below is generated by plot.py at 2018-02-20 16:53:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.09 Mbit/s  
95th percentile per-packet one-way delay: 6.248 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 59.37 Mbit/s  
95th percentile per-packet one-way delay: 6.110 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 45.13 Mbit/s  
95th percentile per-packet one-way delay: 6.416 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 5.16 Mbit/s  
95th percentile per-packet one-way delay: 6.229 ms  
Loss rate: 0.05%

Run 6: Report of Copa — Data Link



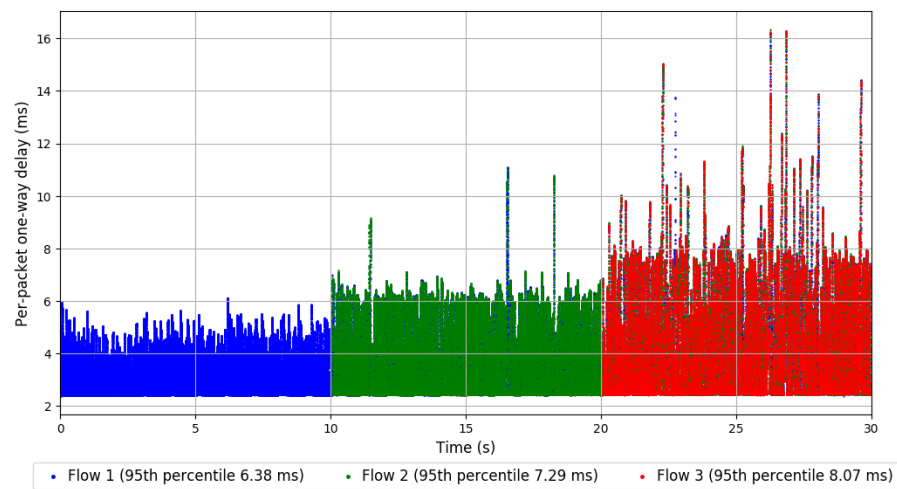
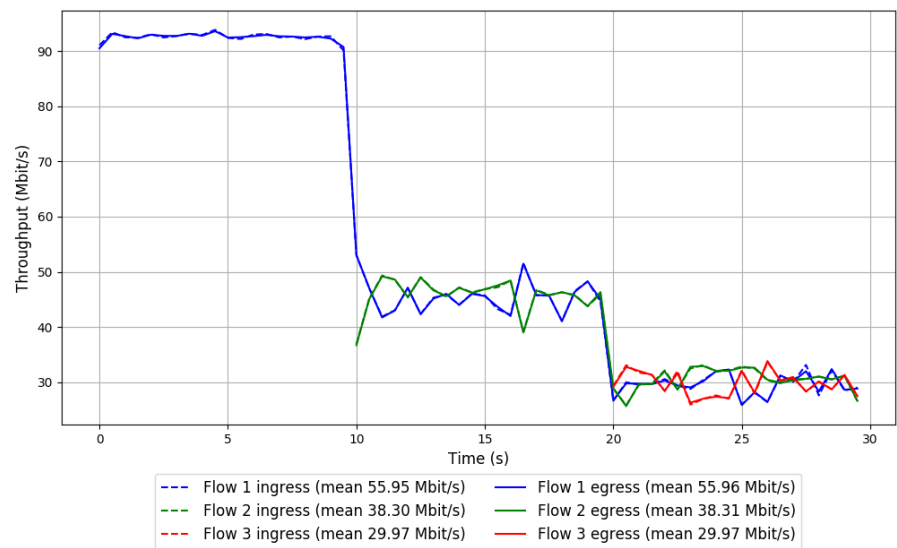
Run 7: Statistics of Copa

Start at: 2018-02-20 11:54:02  
End at: 2018-02-20 11:54:33  
Local clock offset: -14.73 ms  
Remote clock offset: -12.658 ms

# Below is generated by plot.py at 2018-02-20 16:53:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.35 Mbit/s  
95th percentile per-packet one-way delay: 7.091 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 55.96 Mbit/s  
95th percentile per-packet one-way delay: 6.376 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 38.31 Mbit/s  
95th percentile per-packet one-way delay: 7.289 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 29.97 Mbit/s  
95th percentile per-packet one-way delay: 8.071 ms  
Loss rate: 0.03%



Run 7: Report of Copa — Data Link

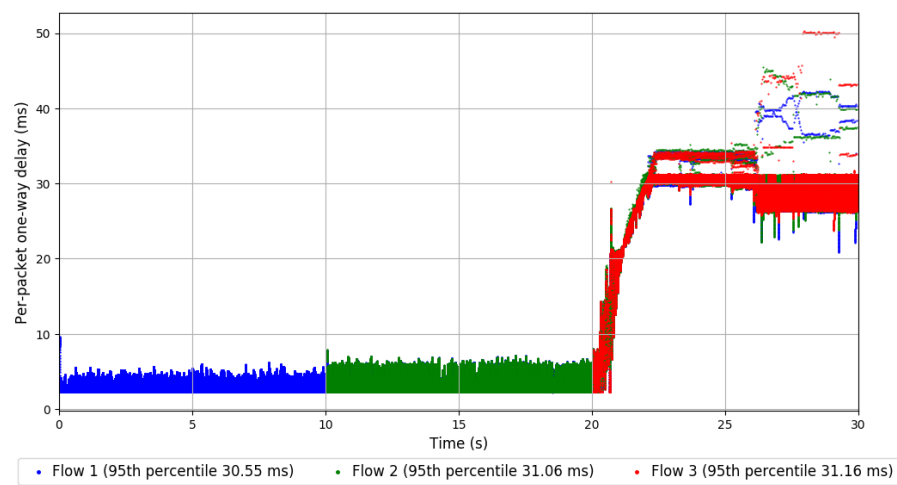
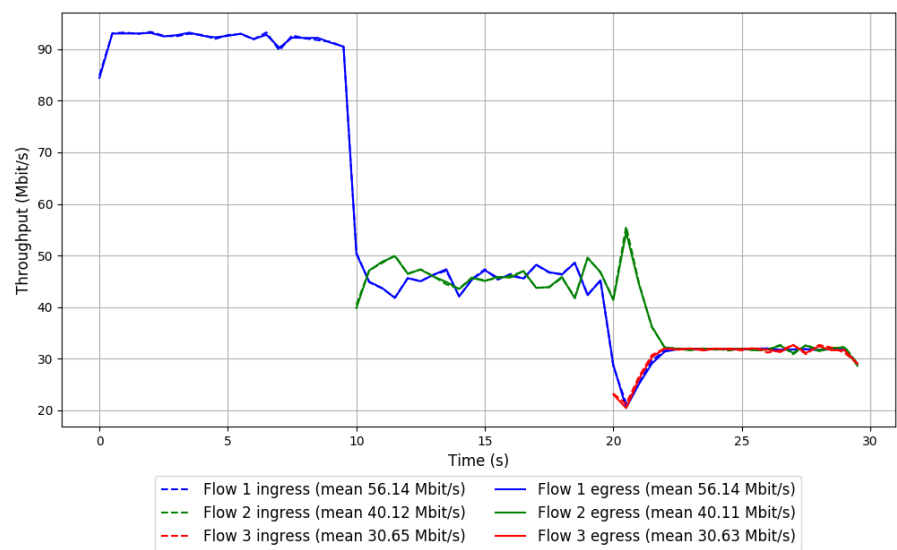


Run 8: Statistics of Copa

Start at: 2018-02-20 12:14:26  
End at: 2018-02-20 12:14:56  
Local clock offset: -14.696 ms  
Remote clock offset: -12.441 ms

# Below is generated by plot.py at 2018-02-20 16:53:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.93 Mbit/s  
95th percentile per-packet one-way delay: 31.016 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 56.14 Mbit/s  
95th percentile per-packet one-way delay: 30.555 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 40.11 Mbit/s  
95th percentile per-packet one-way delay: 31.058 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 30.63 Mbit/s  
95th percentile per-packet one-way delay: 31.160 ms  
Loss rate: 0.30%

Run 8: Report of Copa — Data Link

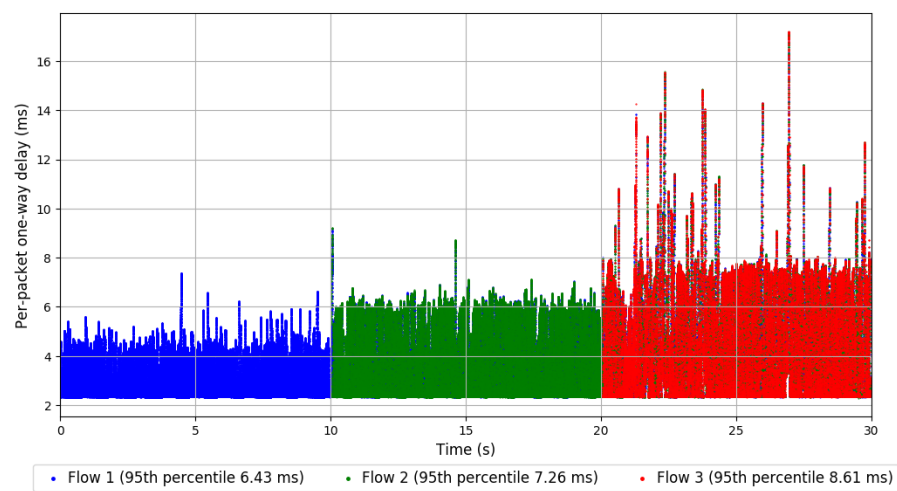
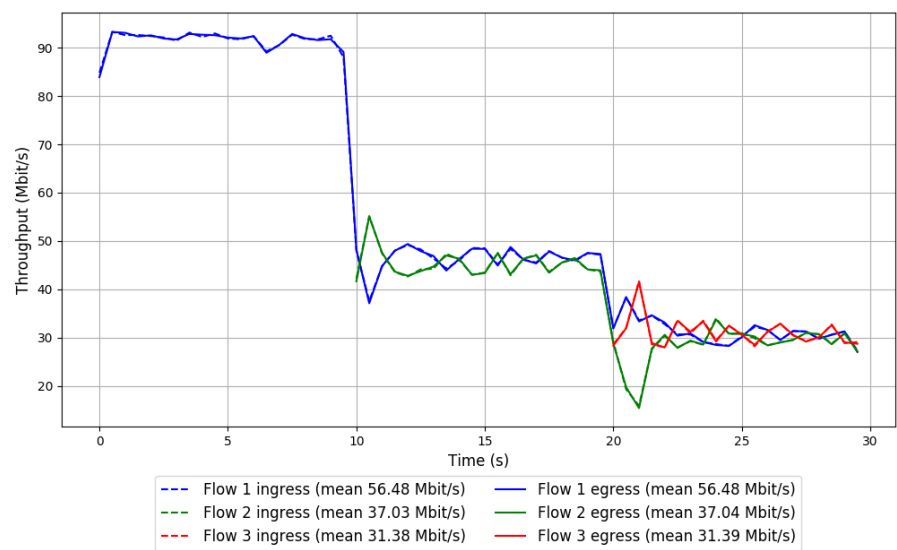


Run 9: Statistics of Copa

Start at: 2018-02-20 12:34:51  
End at: 2018-02-20 12:35:21  
Local clock offset: -14.532 ms  
Remote clock offset: -12.33 ms

# Below is generated by plot.py at 2018-02-20 16:54:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.49 Mbit/s  
95th percentile per-packet one-way delay: 7.144 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 56.48 Mbit/s  
95th percentile per-packet one-way delay: 6.428 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 37.04 Mbit/s  
95th percentile per-packet one-way delay: 7.257 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 31.39 Mbit/s  
95th percentile per-packet one-way delay: 8.613 ms  
Loss rate: 0.07%

Run 9: Report of Copa — Data Link

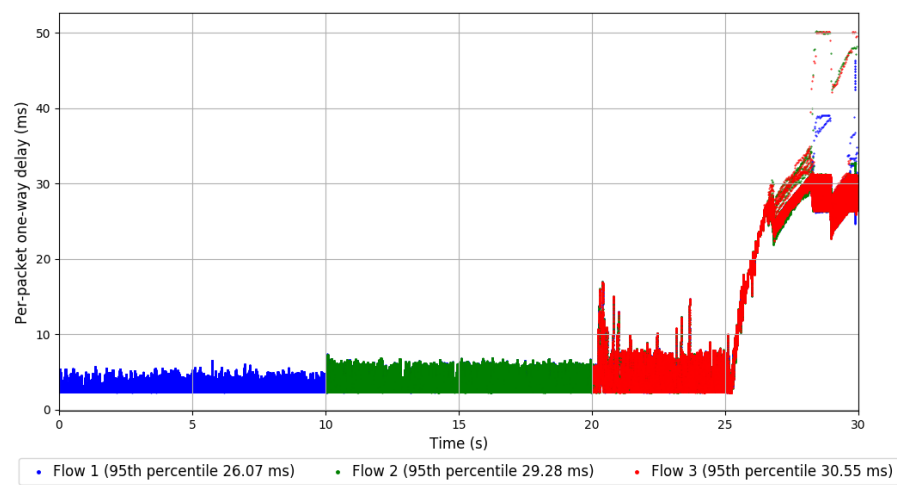
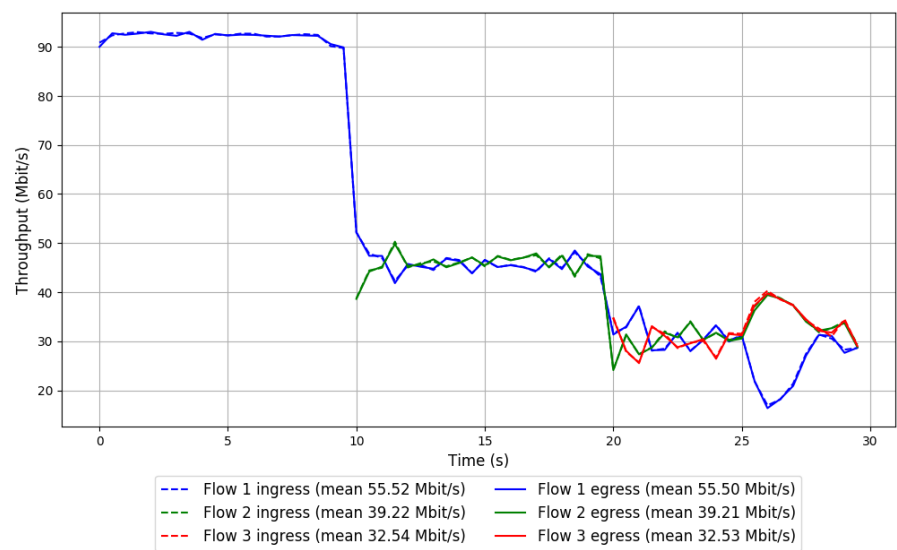


Run 10: Statistics of Copa

Start at: 2018-02-20 12:55:18  
End at: 2018-02-20 12:55:48  
Local clock offset: -13.479 ms  
Remote clock offset: -12.157 ms

# Below is generated by plot.py at 2018-02-20 16:54:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.33 Mbit/s  
95th percentile per-packet one-way delay: 28.693 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 55.50 Mbit/s  
95th percentile per-packet one-way delay: 26.073 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 39.21 Mbit/s  
95th percentile per-packet one-way delay: 29.283 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 32.53 Mbit/s  
95th percentile per-packet one-way delay: 30.548 ms  
Loss rate: 0.28%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-20 09:57:16

End at: 2018-02-20 09:57:46

Local clock offset: -13.052 ms

Remote clock offset: -12.871 ms



Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-02-20 10:17:40  
End at: 2018-02-20 10:18:10  
Local clock offset: -13.311 ms  
Remote clock offset: -12.703 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-02-20 10:38:07

End at: 2018-02-20 10:38:37

Local clock offset: -14.709 ms

Remote clock offset: -12.459 ms

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

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-02-20 10:58:33

End at: 2018-02-20 10:59:03

Local clock offset: -15.109 ms

Remote clock offset: -12.553 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-02-20 11:18:56

End at: 2018-02-20 11:19:26

Local clock offset: -11.181 ms

Remote clock offset: -12.637 ms



Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-02-20 11:39:19

End at: 2018-02-20 11:39:49

Local clock offset: -12.986 ms

Remote clock offset: -12.612 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-02-20 11:59:45

End at: 2018-02-20 12:00:15

Local clock offset: -15.042 ms

Remote clock offset: -12.508 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-02-20 12:20:09

End at: 2018-02-20 12:20:39

Local clock offset: -14.631 ms

Remote clock offset: -12.478 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-02-20 12:40:33

End at: 2018-02-20 12:41:03

Local clock offset: -14.516 ms

Remote clock offset: -12.251 ms



Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-02-20 13:01:00

End at: 2018-02-20 13:01:30

Local clock offset: -13.323 ms

Remote clock offset: -12.481 ms

Run 10: Report of FillP — Data Link

Figure is missing

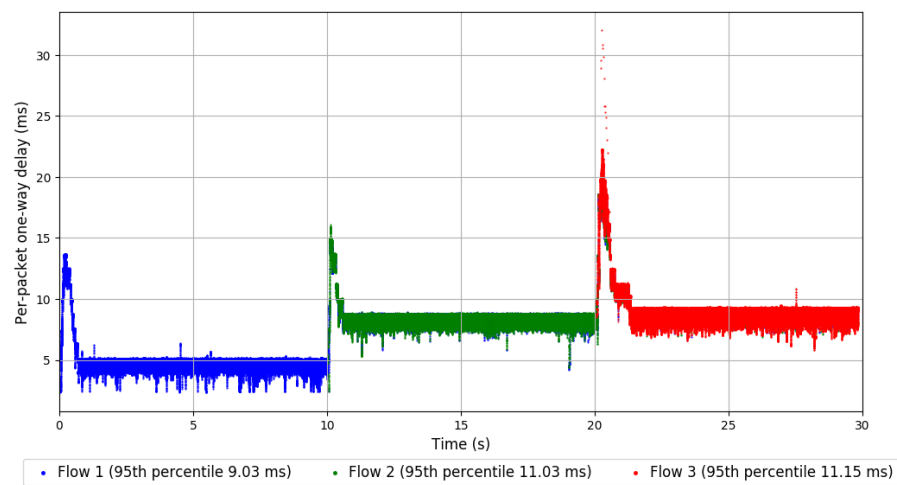
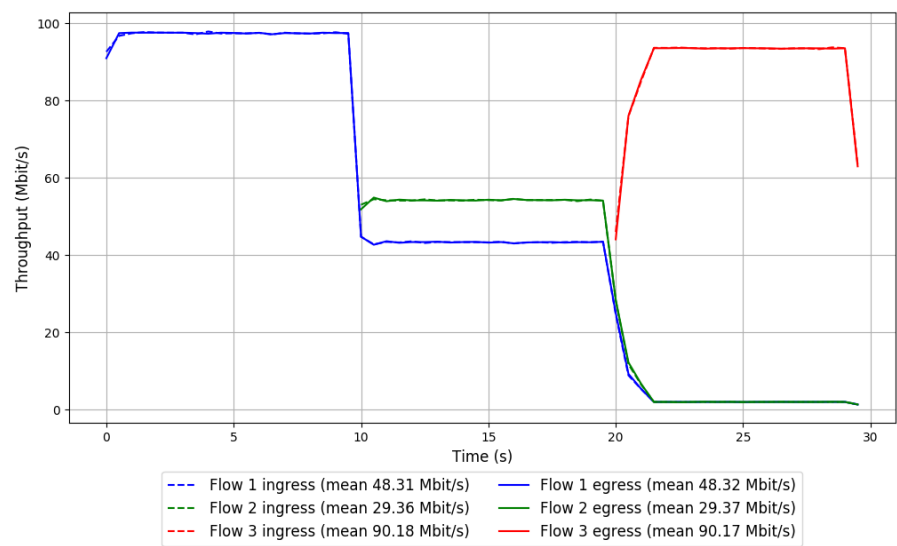
Figure is missing

Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 09:53:48  
End at: 2018-02-20 09:54:18  
Local clock offset: -12.973 ms  
Remote clock offset: -12.952 ms

# Below is generated by plot.py at 2018-02-20 16:54:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 10.879 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 48.32 Mbit/s  
95th percentile per-packet one-way delay: 9.034 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 29.37 Mbit/s  
95th percentile per-packet one-way delay: 11.030 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 90.17 Mbit/s  
95th percentile per-packet one-way delay: 11.155 ms  
Loss rate: 0.12%

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

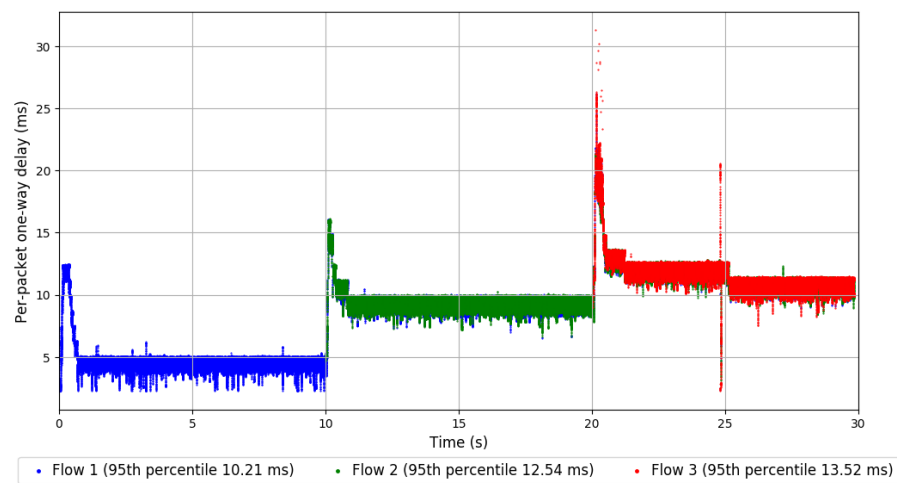
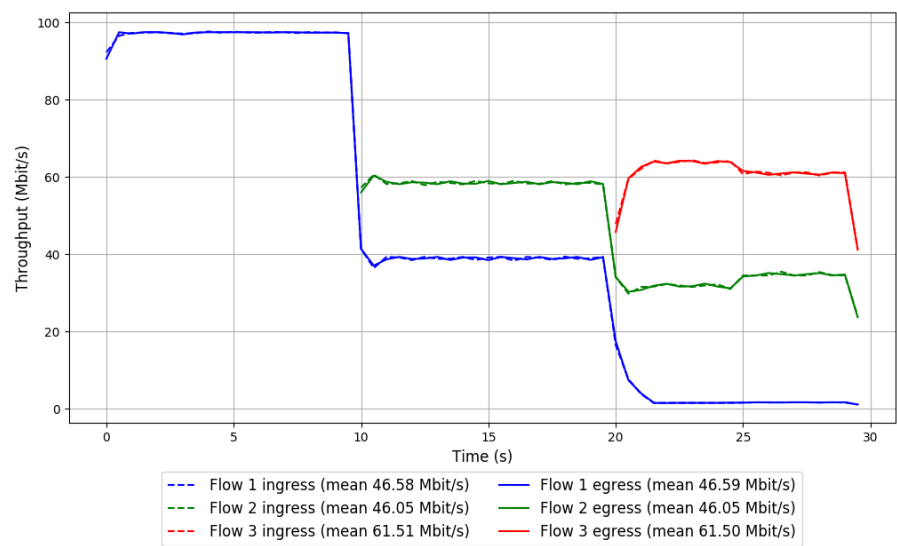


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 10:14:13  
End at: 2018-02-20 10:14:43  
Local clock offset: -13.234 ms  
Remote clock offset: -12.742 ms

# Below is generated by plot.py at 2018-02-20 16:54:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.555 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 46.59 Mbit/s  
95th percentile per-packet one-way delay: 10.205 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 46.05 Mbit/s  
95th percentile per-packet one-way delay: 12.537 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 61.50 Mbit/s  
95th percentile per-packet one-way delay: 13.518 ms  
Loss rate: 0.13%

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



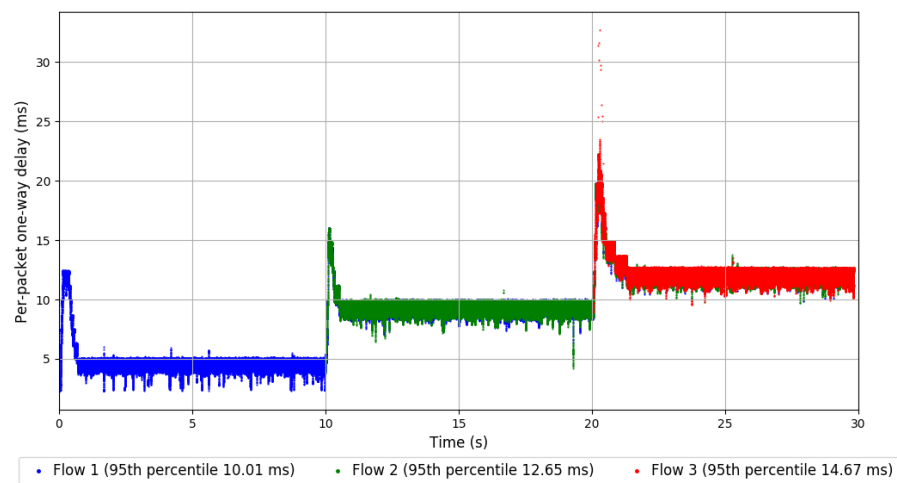
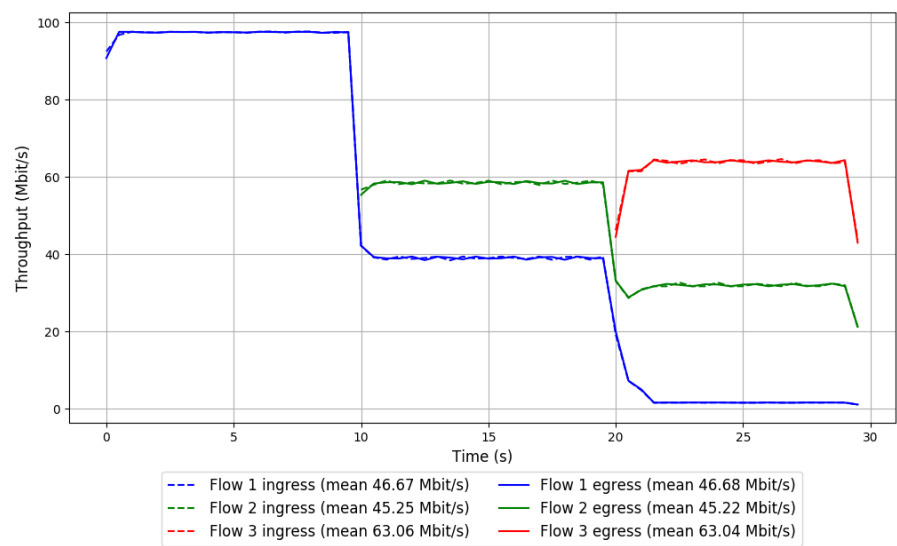
Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 10:34:40  
End at: 2018-02-20 10:35:10  
Local clock offset: -14.544 ms  
Remote clock offset: -12.523 ms

# Below is generated by plot.py at 2018-02-20 16:54:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 12.631 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 46.68 Mbit/s  
95th percentile per-packet one-way delay: 10.008 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.22 Mbit/s  
95th percentile per-packet one-way delay: 12.649 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 63.04 Mbit/s  
95th percentile per-packet one-way delay: 14.666 ms  
Loss rate: 0.16%



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

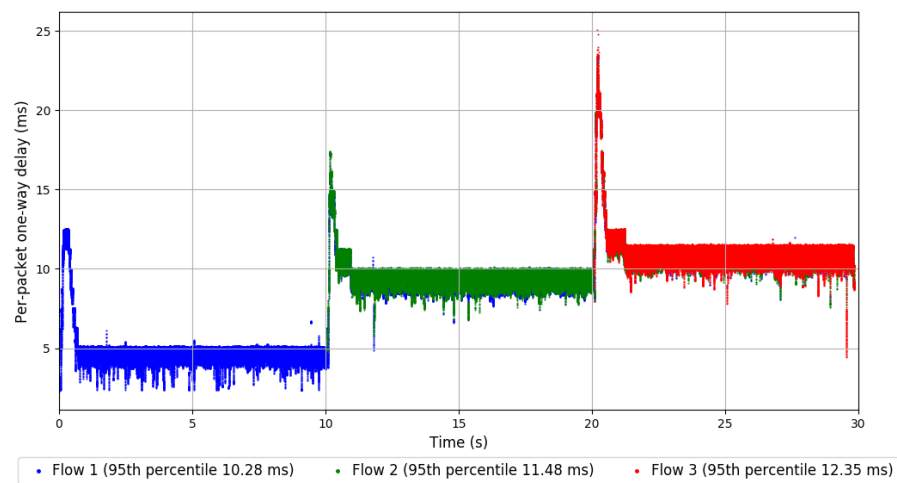
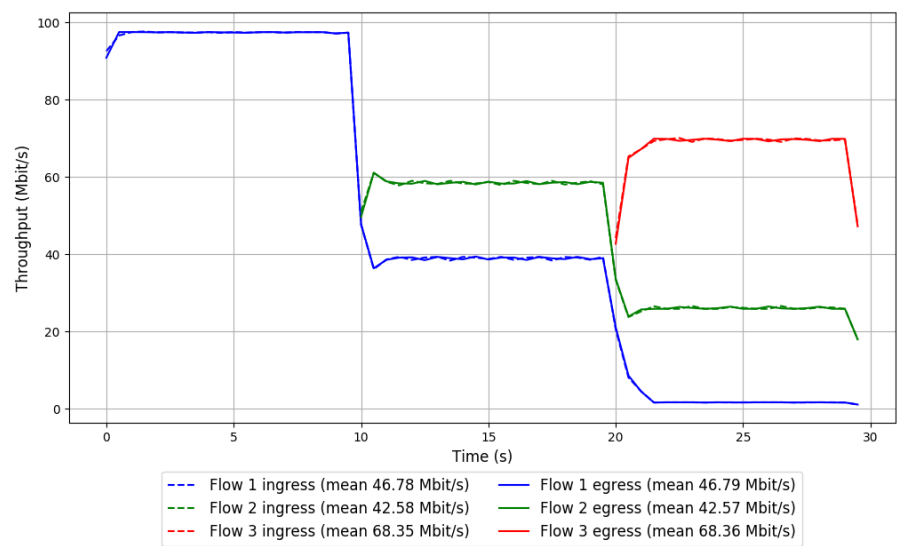


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 10:55:06  
End at: 2018-02-20 10:55:36  
Local clock offset: -15.43 ms  
Remote clock offset: -12.597 ms

# Below is generated by plot.py at 2018-02-20 16:54:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 11.502 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 46.79 Mbit/s  
95th percentile per-packet one-way delay: 10.275 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.57 Mbit/s  
95th percentile per-packet one-way delay: 11.476 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 68.36 Mbit/s  
95th percentile per-packet one-way delay: 12.351 ms  
Loss rate: 0.12%

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

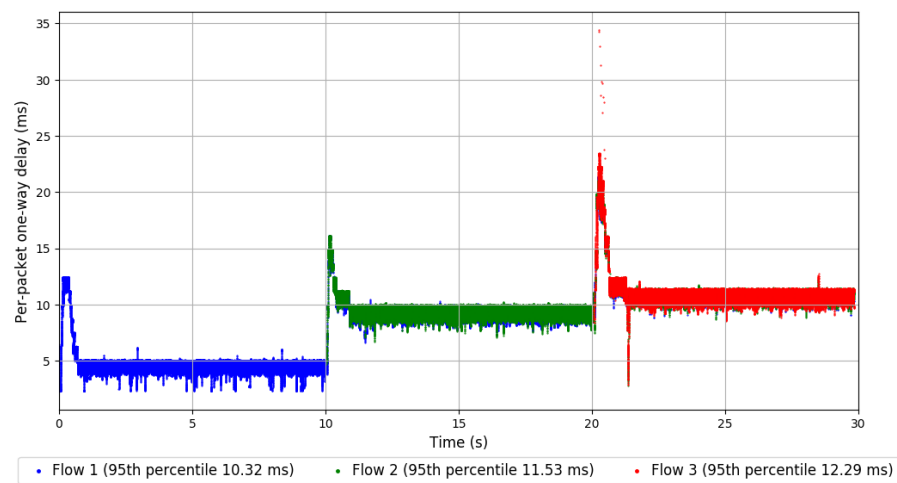
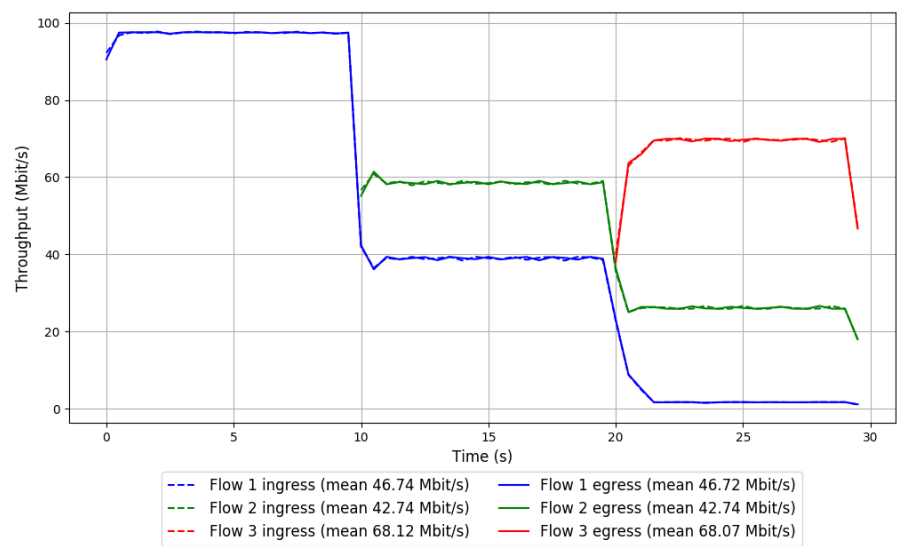


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 11:15:29  
End at: 2018-02-20 11:15:59  
Local clock offset: -11.45 ms  
Remote clock offset: -12.622 ms

# Below is generated by plot.py at 2018-02-20 16:54:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 11.428 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 46.72 Mbit/s  
95th percentile per-packet one-way delay: 10.322 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.74 Mbit/s  
95th percentile per-packet one-way delay: 11.525 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 68.07 Mbit/s  
95th percentile per-packet one-way delay: 12.293 ms  
Loss rate: 0.13%

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

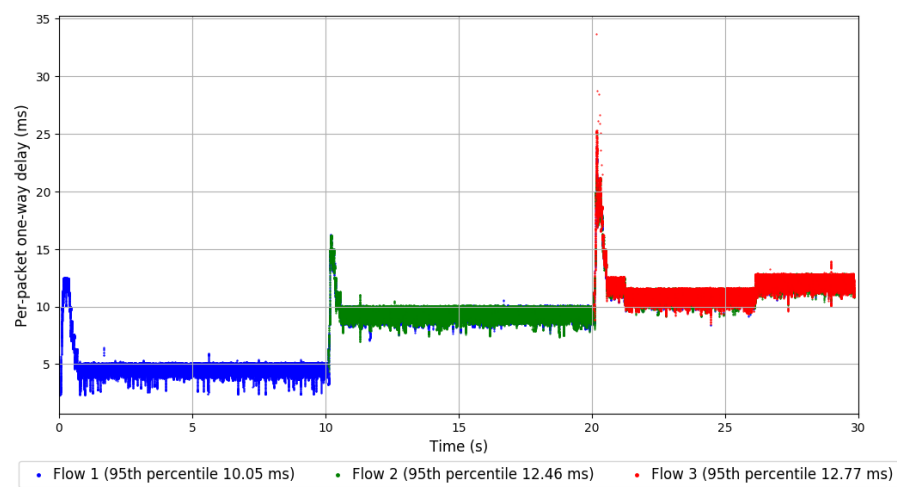
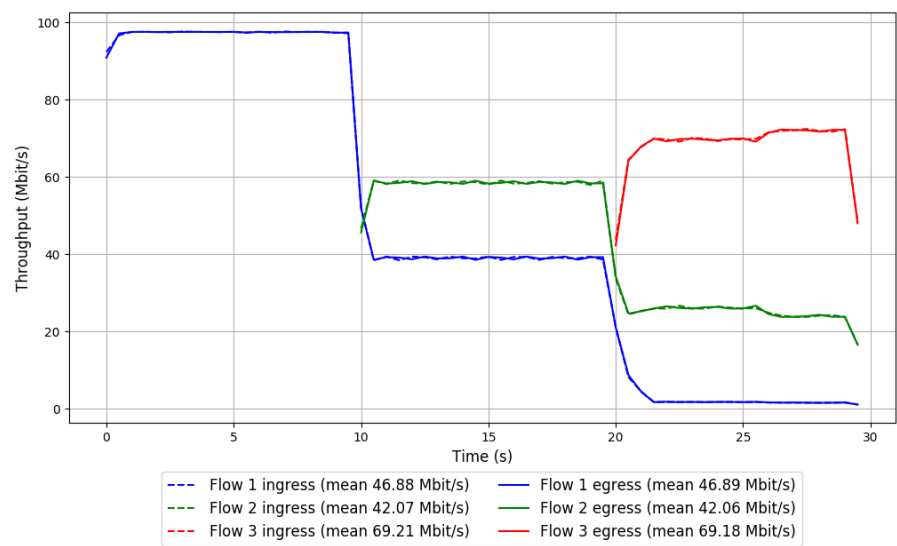


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 11:35:52  
End at: 2018-02-20 11:36:22  
Local clock offset: -12.185 ms  
Remote clock offset: -12.613 ms

# Below is generated by plot.py at 2018-02-20 16:55:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 12.657 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 46.89 Mbit/s  
95th percentile per-packet one-way delay: 10.048 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.06 Mbit/s  
95th percentile per-packet one-way delay: 12.460 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 69.18 Mbit/s  
95th percentile per-packet one-way delay: 12.767 ms  
Loss rate: 0.18%

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



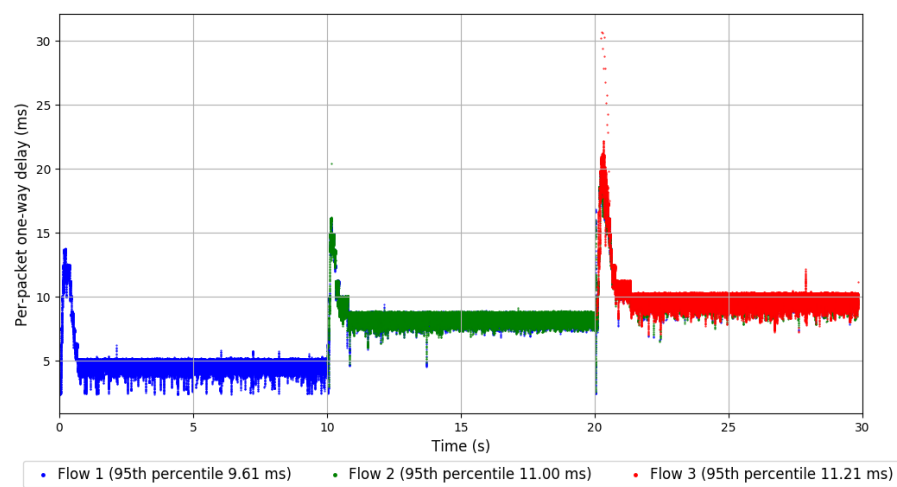
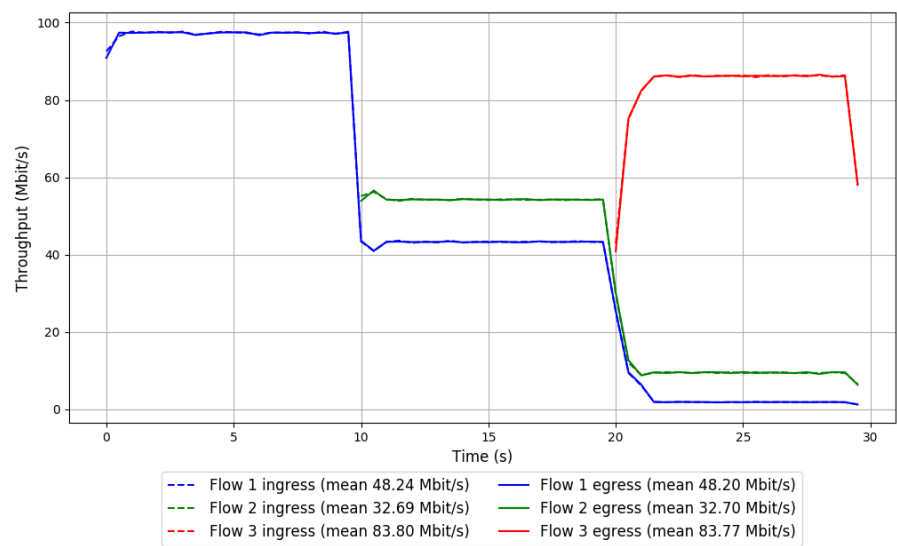
Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 11:56:18  
End at: 2018-02-20 11:56:48  
Local clock offset: -14.885 ms  
Remote clock offset: -12.619 ms

# Below is generated by plot.py at 2018-02-20 16:55:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 11.009 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 48.20 Mbit/s  
95th percentile per-packet one-way delay: 9.614 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 32.70 Mbit/s  
95th percentile per-packet one-way delay: 10.999 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 83.77 Mbit/s  
95th percentile per-packet one-way delay: 11.211 ms  
Loss rate: 0.13%



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

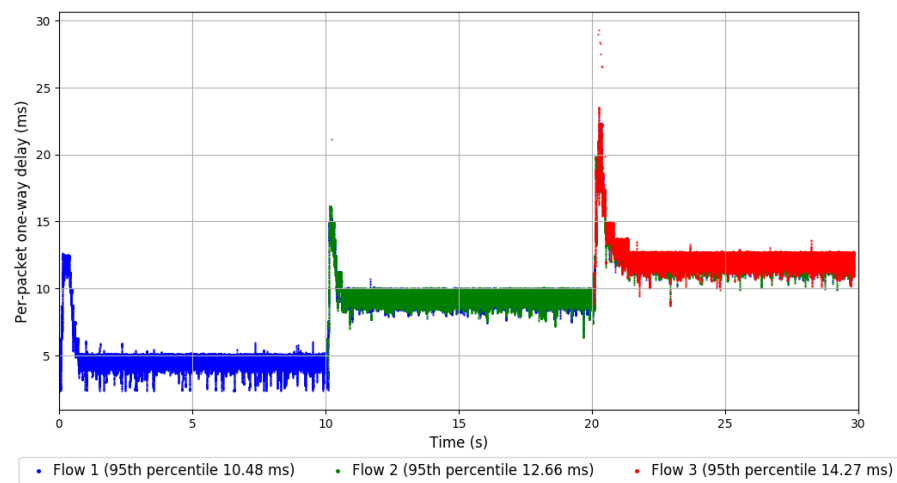
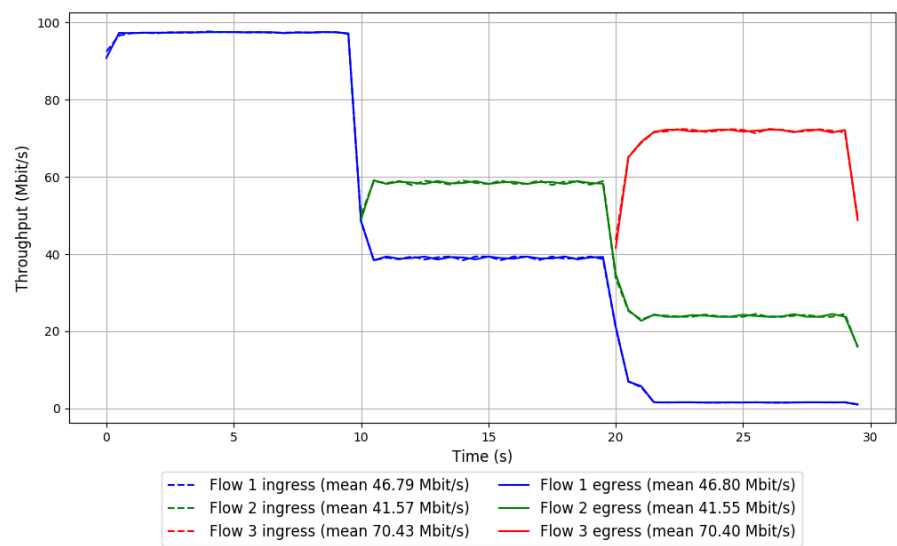


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 12:16:42  
End at: 2018-02-20 12:17:12  
Local clock offset: -14.61 ms  
Remote clock offset: -12.52 ms

# Below is generated by plot.py at 2018-02-20 16:55:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 12.677 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 46.80 Mbit/s  
95th percentile per-packet one-way delay: 10.480 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.55 Mbit/s  
95th percentile per-packet one-way delay: 12.660 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 70.40 Mbit/s  
95th percentile per-packet one-way delay: 14.270 ms  
Loss rate: 0.16%

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

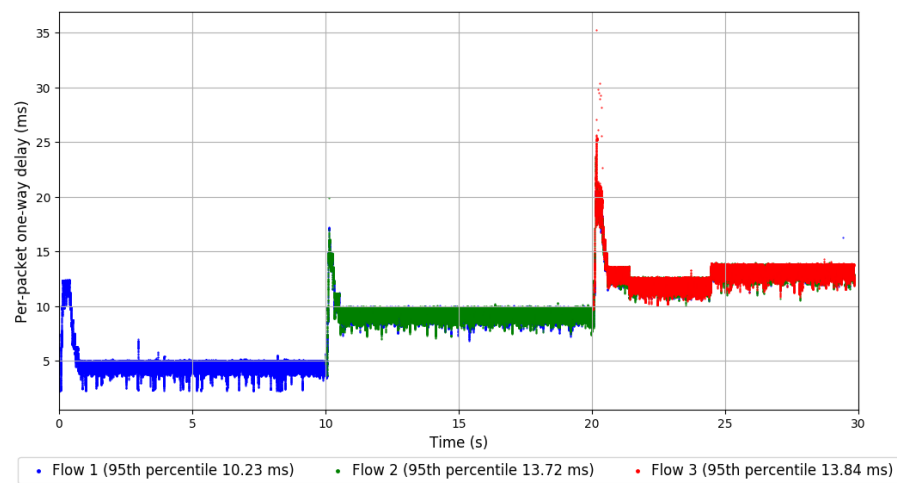
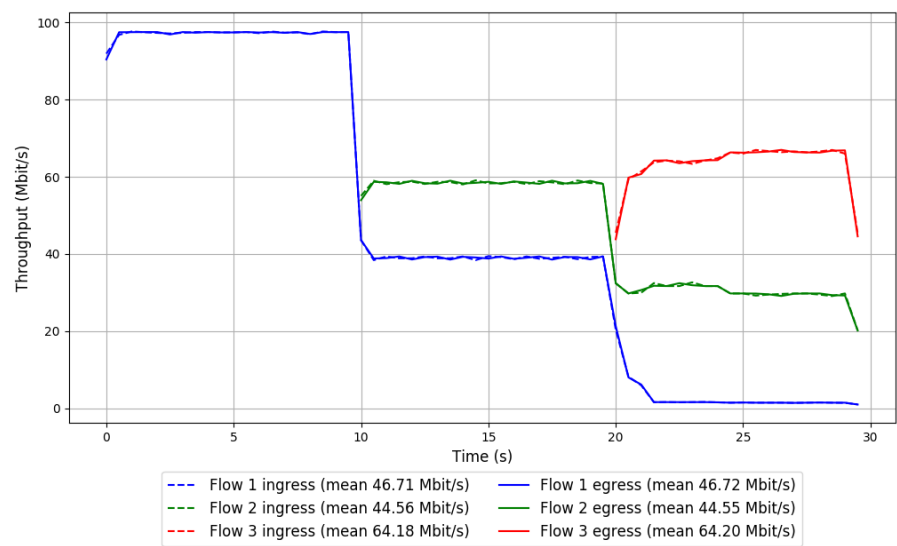


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 12:37:06  
End at: 2018-02-20 12:37:36  
Local clock offset: -14.639 ms  
Remote clock offset: -12.356 ms

# Below is generated by plot.py at 2018-02-20 16:55:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 13.737 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 46.72 Mbit/s  
95th percentile per-packet one-way delay: 10.231 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.55 Mbit/s  
95th percentile per-packet one-way delay: 13.722 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 64.20 Mbit/s  
95th percentile per-packet one-way delay: 13.839 ms  
Loss rate: 0.17%

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

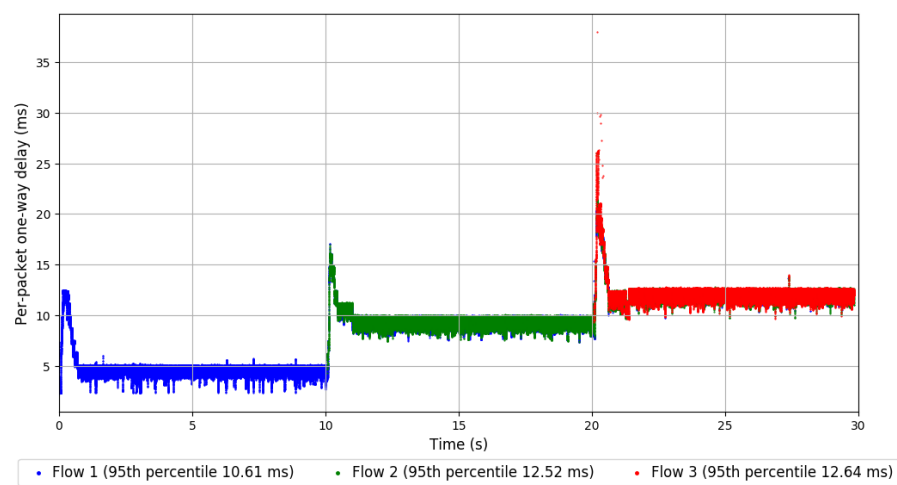
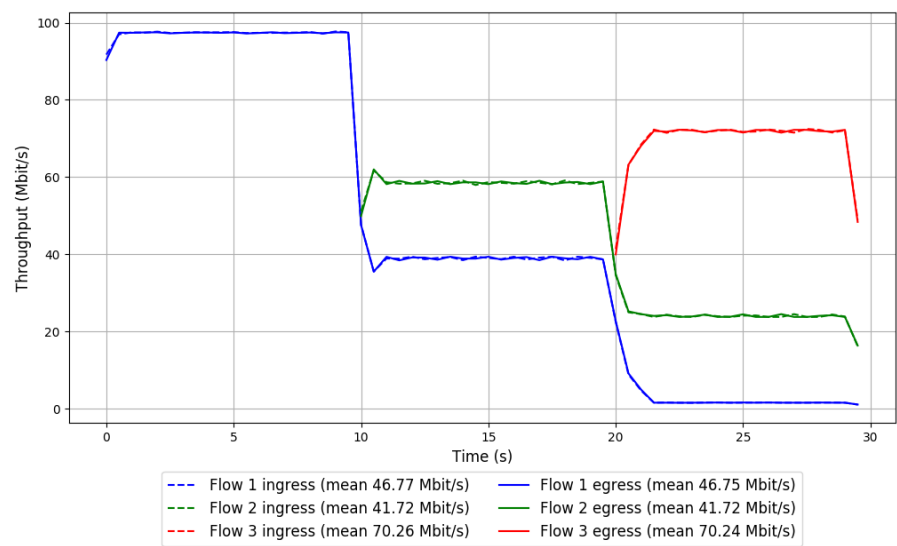


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 12:57:33  
End at: 2018-02-20 12:58:03  
Local clock offset: -13.394 ms  
Remote clock offset: -12.149 ms

# Below is generated by plot.py at 2018-02-20 16:55:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.37 Mbit/s  
95th percentile per-packet one-way delay: 12.565 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 46.75 Mbit/s  
95th percentile per-packet one-way delay: 10.606 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 41.72 Mbit/s  
95th percentile per-packet one-way delay: 12.521 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 70.24 Mbit/s  
95th percentile per-packet one-way delay: 12.645 ms  
Loss rate: 0.16%

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



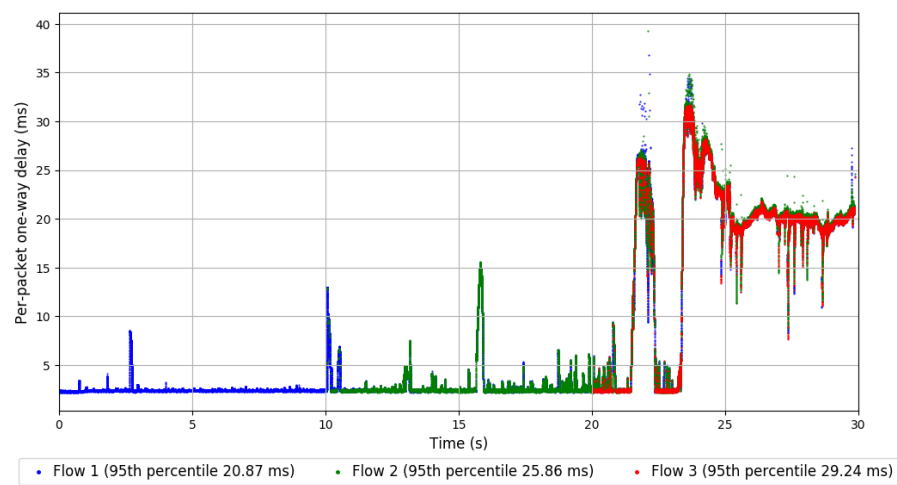
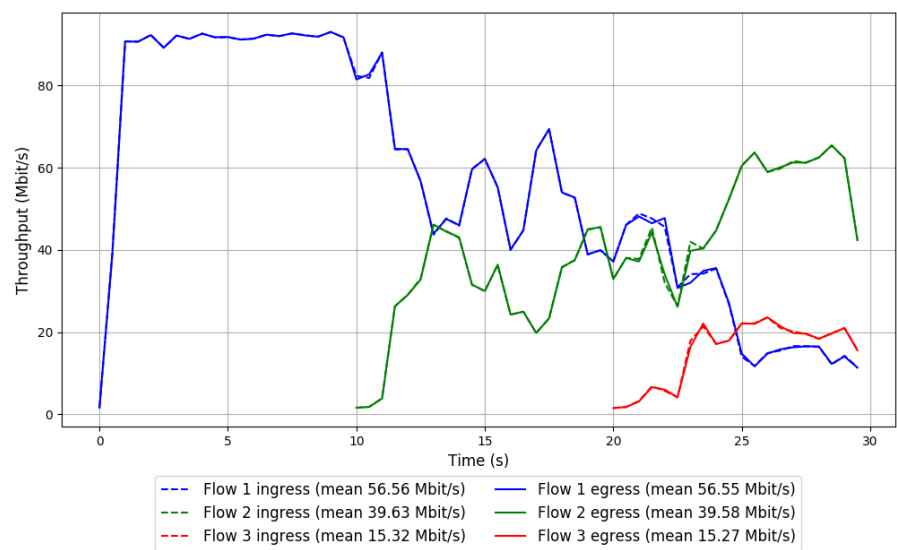
Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 09:54:58  
End at: 2018-02-20 09:55:28  
Local clock offset: -12.999 ms  
Remote clock offset: -12.896 ms

# Below is generated by plot.py at 2018-02-20 16:56:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.88 Mbit/s  
95th percentile per-packet one-way delay: 24.492 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 56.55 Mbit/s  
95th percentile per-packet one-way delay: 20.874 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 39.58 Mbit/s  
95th percentile per-packet one-way delay: 25.860 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 15.27 Mbit/s  
95th percentile per-packet one-way delay: 29.239 ms  
Loss rate: 0.31%



Run 1: Report of Vivace-latency — Data Link

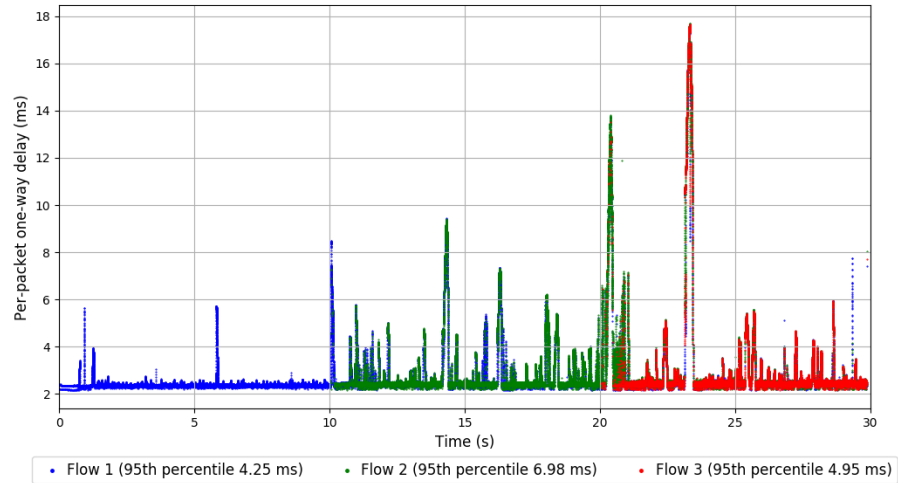
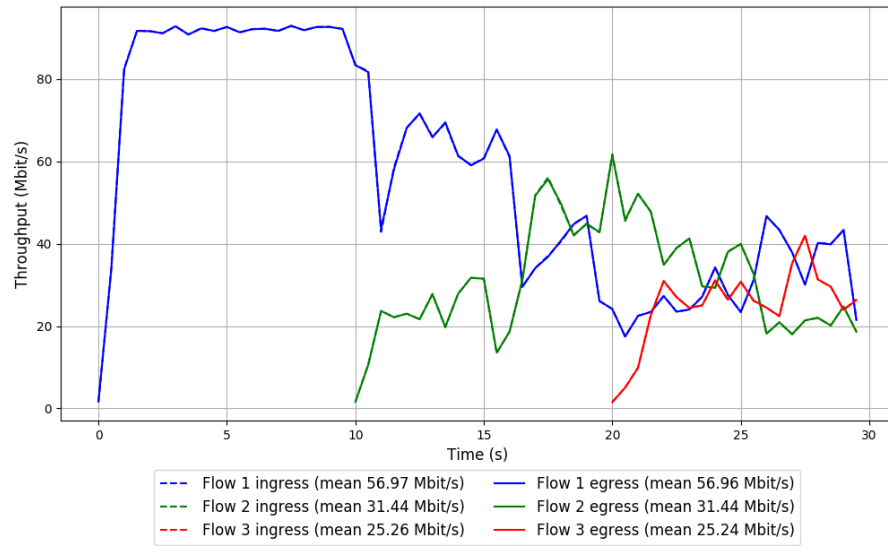


Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 10:15:22  
End at: 2018-02-20 10:15:52  
Local clock offset: -13.209 ms  
Remote clock offset: -12.729 ms

# Below is generated by plot.py at 2018-02-20 16:56:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.15 Mbit/s  
95th percentile per-packet one-way delay: 4.838 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 56.96 Mbit/s  
95th percentile per-packet one-way delay: 4.250 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 31.44 Mbit/s  
95th percentile per-packet one-way delay: 6.979 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 25.24 Mbit/s  
95th percentile per-packet one-way delay: 4.949 ms  
Loss rate: 0.06%

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

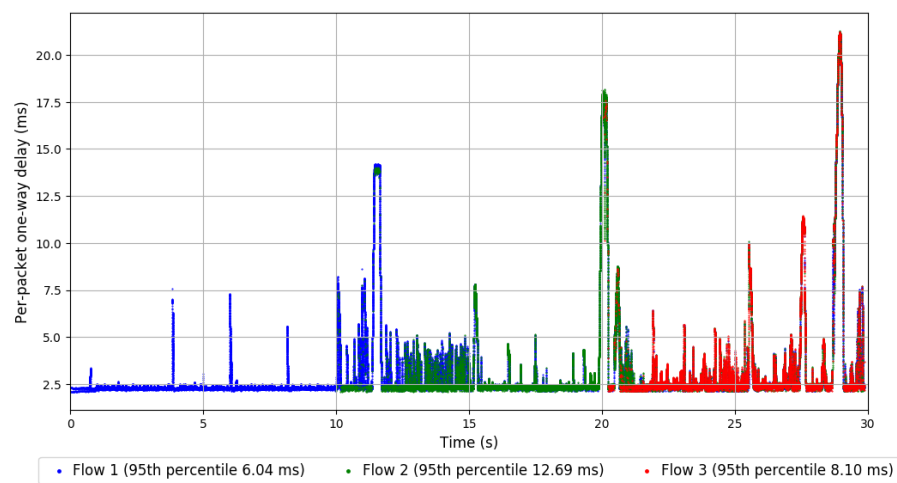
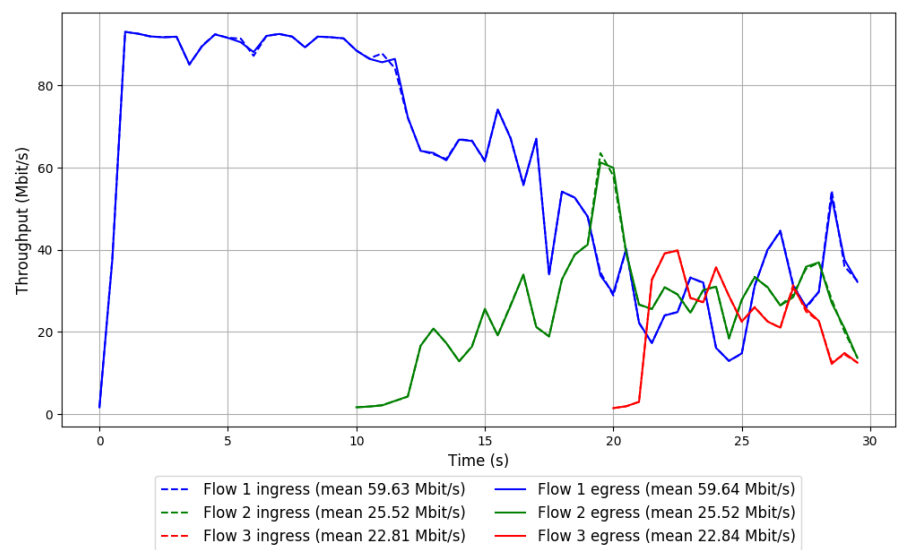


Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 10:35:50  
End at: 2018-02-20 10:36:20  
Local clock offset: -14.642 ms  
Remote clock offset: -12.515 ms

# Below is generated by plot.py at 2018-02-20 16:56:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.12 Mbit/s  
95th percentile per-packet one-way delay: 7.417 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 59.64 Mbit/s  
95th percentile per-packet one-way delay: 6.041 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 25.52 Mbit/s  
95th percentile per-packet one-way delay: 12.690 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 22.84 Mbit/s  
95th percentile per-packet one-way delay: 8.102 ms  
Loss rate: 0.03%

Run 3: Report of Vivace-latency — Data Link

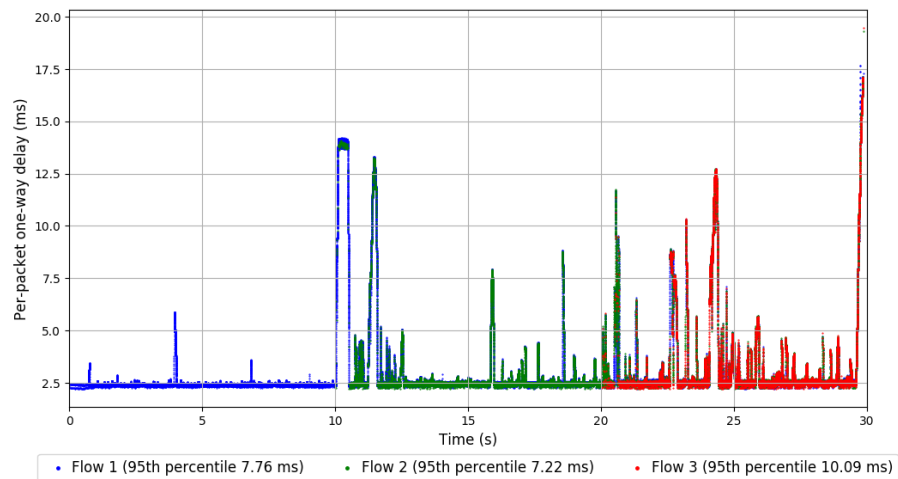
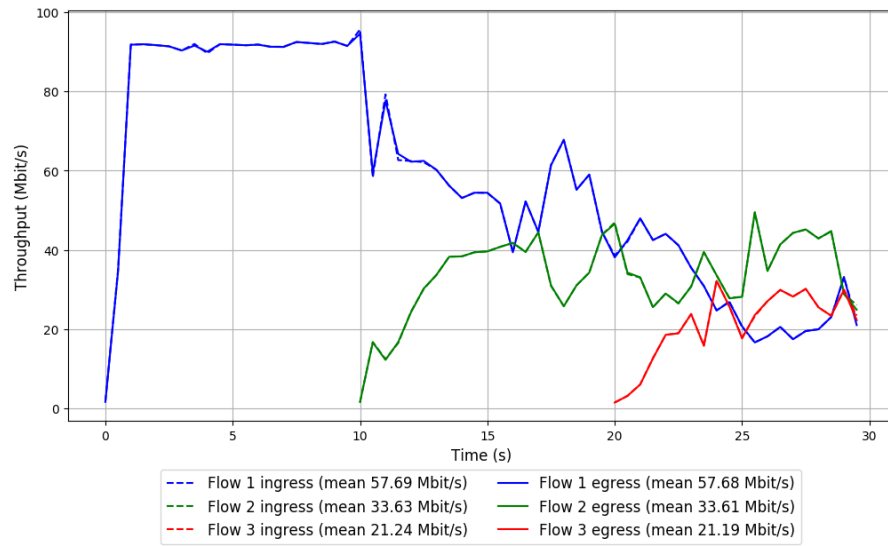


Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 10:56:16  
End at: 2018-02-20 10:56:46  
Local clock offset: -15.456 ms  
Remote clock offset: -12.62 ms

# Below is generated by plot.py at 2018-02-20 16:56:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.99 Mbit/s  
95th percentile per-packet one-way delay: 7.825 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 57.68 Mbit/s  
95th percentile per-packet one-way delay: 7.756 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 33.61 Mbit/s  
95th percentile per-packet one-way delay: 7.220 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 21.19 Mbit/s  
95th percentile per-packet one-way delay: 10.088 ms  
Loss rate: 0.31%

#### Run 4: Report of Vivace-latency — Data Link



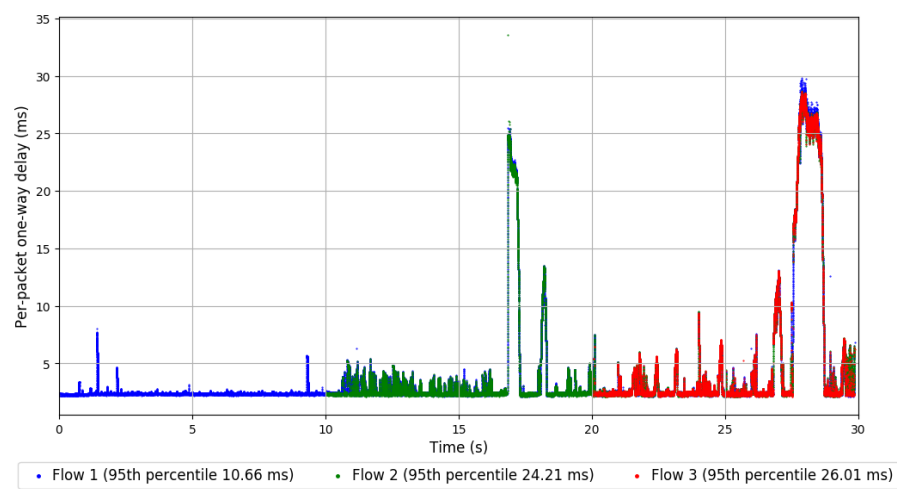
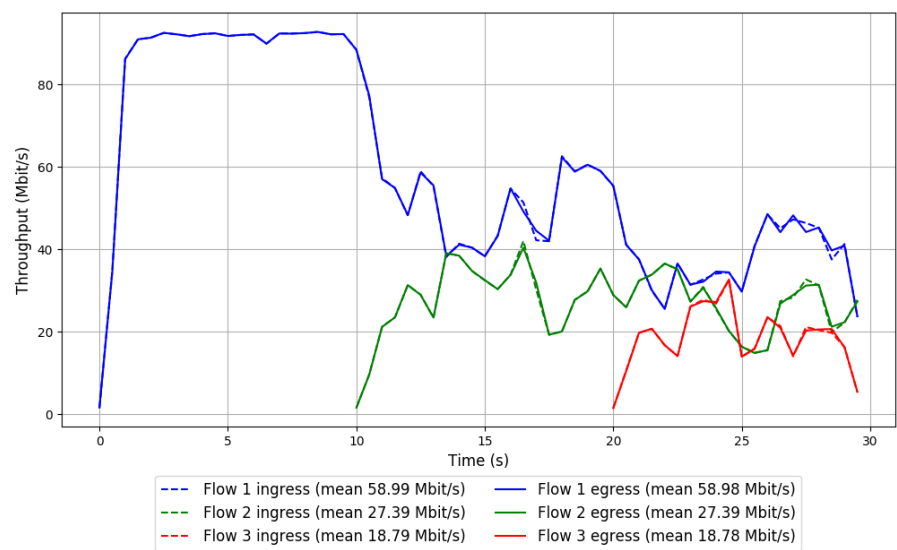
Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 11:16:39  
End at: 2018-02-20 11:17:09  
Local clock offset: -11.367 ms  
Remote clock offset: -12.638 ms

# Below is generated by plot.py at 2018-02-20 16:57:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.36 Mbit/s  
95th percentile per-packet one-way delay: 20.463 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 58.98 Mbit/s  
95th percentile per-packet one-way delay: 10.665 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 27.39 Mbit/s  
95th percentile per-packet one-way delay: 24.212 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 18.78 Mbit/s  
95th percentile per-packet one-way delay: 26.013 ms  
Loss rate: 0.01%



Run 5: Report of Vivace-latency — Data Link

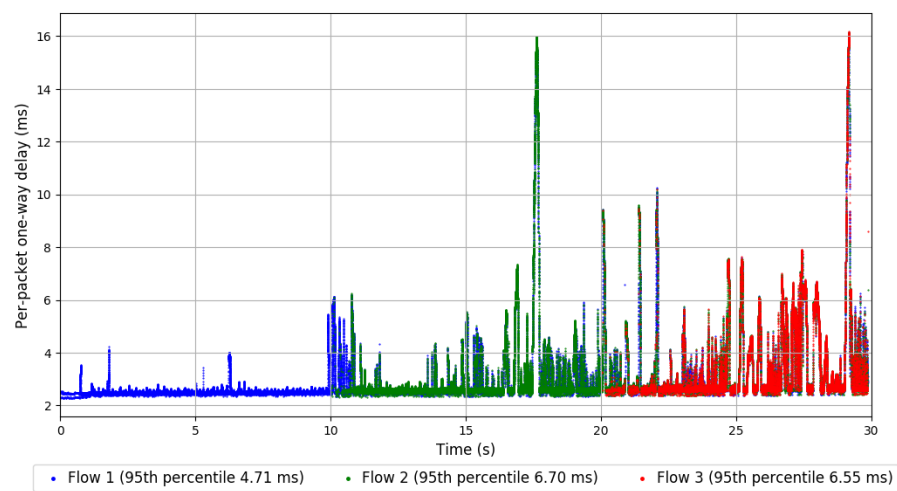
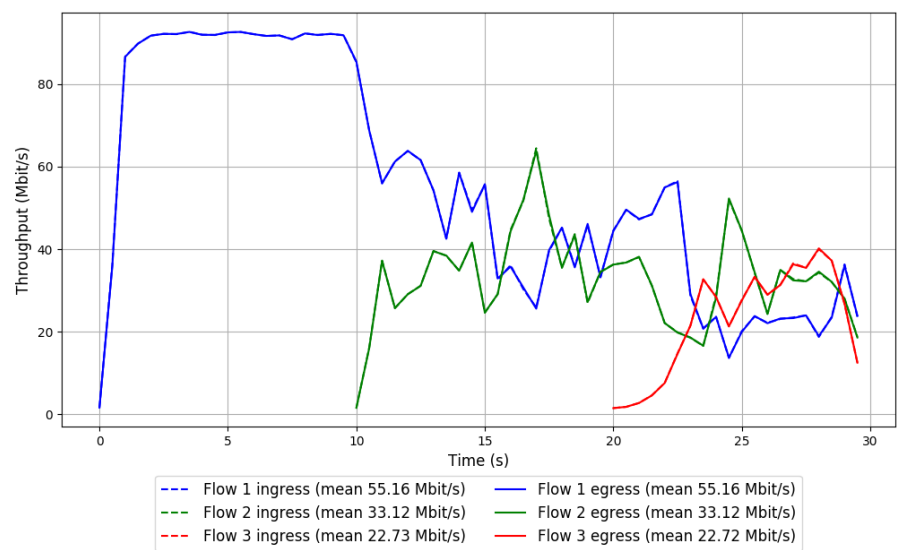


Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 11:37:02  
End at: 2018-02-20 11:37:32  
Local clock offset: -12.412 ms  
Remote clock offset: -12.626 ms

# Below is generated by plot.py at 2018-02-20 16:57:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.63 Mbit/s  
95th percentile per-packet one-way delay: 5.801 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 55.16 Mbit/s  
95th percentile per-packet one-way delay: 4.706 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 33.12 Mbit/s  
95th percentile per-packet one-way delay: 6.702 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 22.72 Mbit/s  
95th percentile per-packet one-way delay: 6.554 ms  
Loss rate: 0.03%

Run 6: Report of Vivace-latency — Data Link

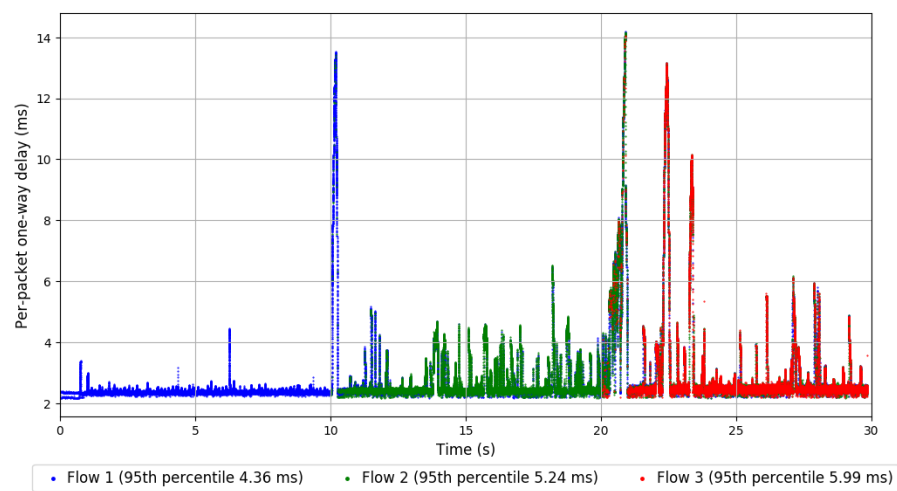
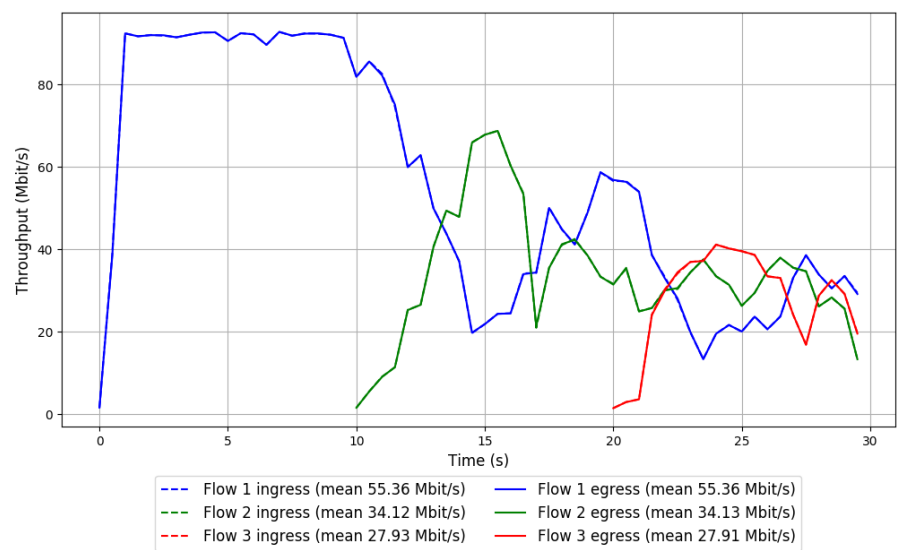


Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 11:57:27  
End at: 2018-02-20 11:57:57  
Local clock offset: -14.933 ms  
Remote clock offset: -12.535 ms

# Below is generated by plot.py at 2018-02-20 16:57:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.22 Mbit/s  
95th percentile per-packet one-way delay: 4.823 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 55.36 Mbit/s  
95th percentile per-packet one-way delay: 4.356 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 34.13 Mbit/s  
95th percentile per-packet one-way delay: 5.241 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 27.91 Mbit/s  
95th percentile per-packet one-way delay: 5.988 ms  
Loss rate: 0.09%

Run 7: Report of Vivace-latency — Data Link

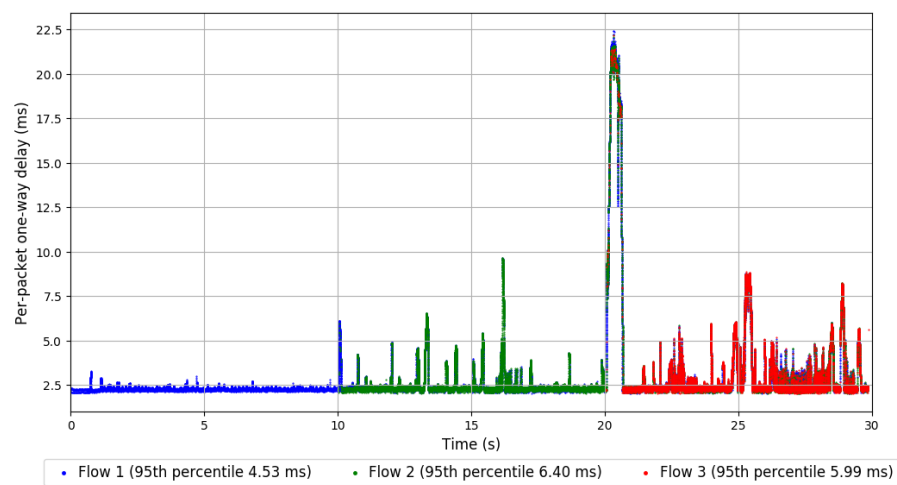
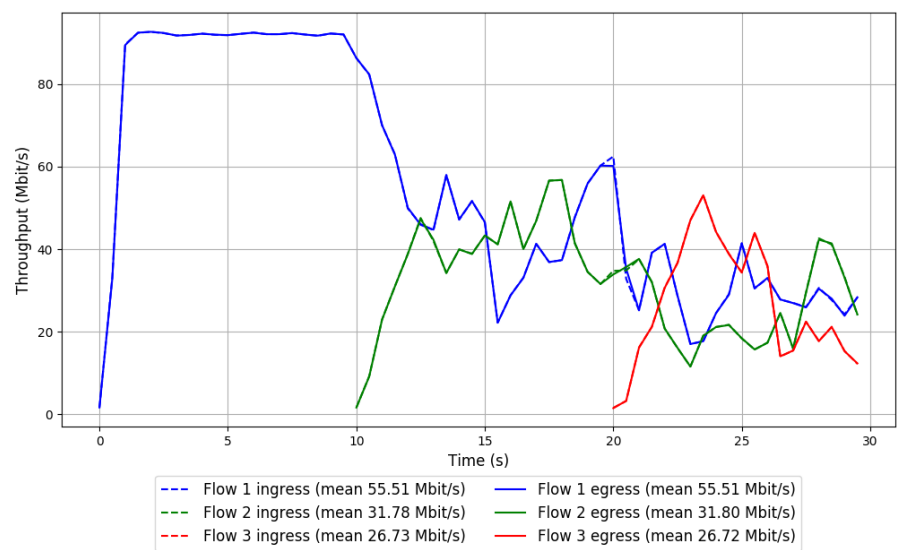


Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 12:17:51  
End at: 2018-02-20 12:18:21  
Local clock offset: -14.672 ms  
Remote clock offset: -12.454 ms

# Below is generated by plot.py at 2018-02-20 16:57:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.43 Mbit/s  
95th percentile per-packet one-way delay: 5.392 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 55.51 Mbit/s  
95th percentile per-packet one-way delay: 4.532 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 31.80 Mbit/s  
95th percentile per-packet one-way delay: 6.398 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 26.72 Mbit/s  
95th percentile per-packet one-way delay: 5.987 ms  
Loss rate: 0.03%

Run 8: Report of Vivace-latency — Data Link



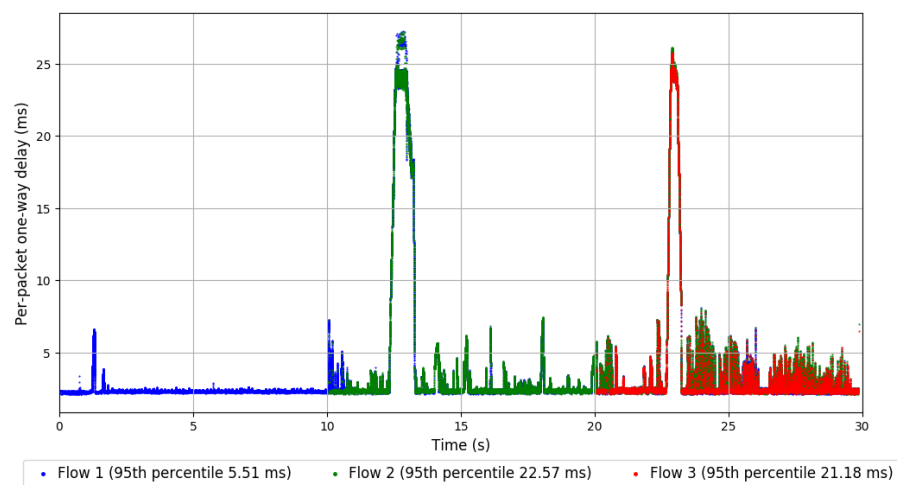
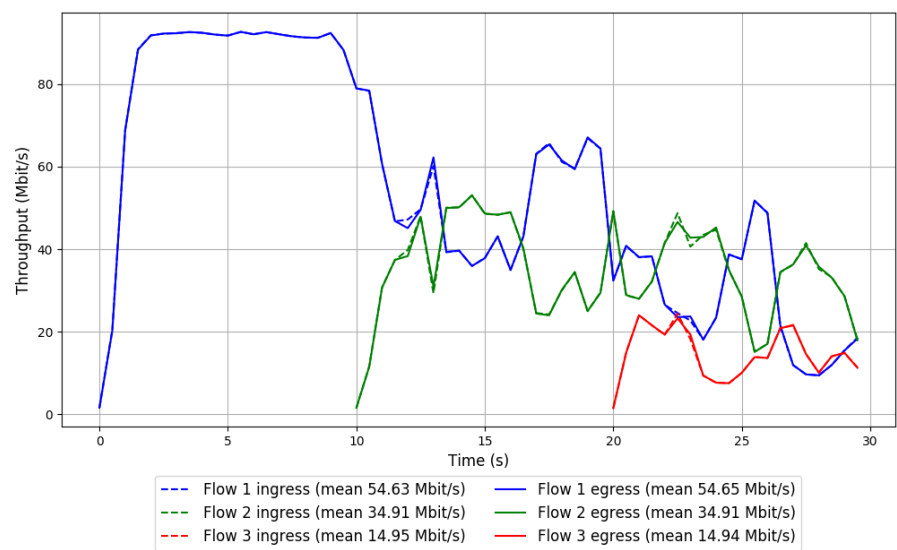
Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 12:38:16  
End at: 2018-02-20 12:38:46  
Local clock offset: -14.565 ms  
Remote clock offset: -12.268 ms

# Below is generated by plot.py at 2018-02-20 16:57:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.75 Mbit/s  
95th percentile per-packet one-way delay: 12.409 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 54.65 Mbit/s  
95th percentile per-packet one-way delay: 5.507 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 34.91 Mbit/s  
95th percentile per-packet one-way delay: 22.566 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 14.94 Mbit/s  
95th percentile per-packet one-way delay: 21.183 ms  
Loss rate: 0.04%



Run 9: Report of Vivace-latency — Data Link

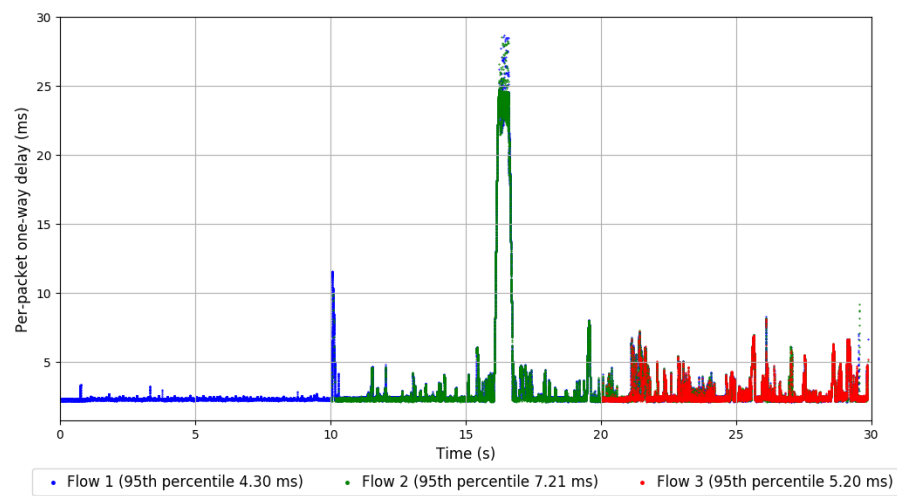
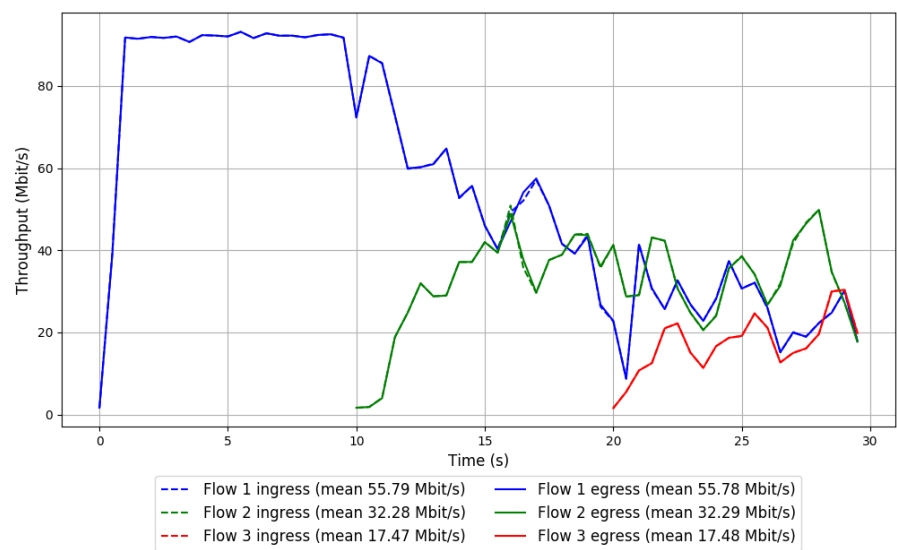


Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 12:58:43  
End at: 2018-02-20 12:59:13  
Local clock offset: -13.385 ms  
Remote clock offset: -12.148 ms

# Below is generated by plot.py at 2018-02-20 16:57:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.00 Mbit/s  
95th percentile per-packet one-way delay: 5.161 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 55.78 Mbit/s  
95th percentile per-packet one-way delay: 4.297 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.29 Mbit/s  
95th percentile per-packet one-way delay: 7.205 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 17.48 Mbit/s  
95th percentile per-packet one-way delay: 5.199 ms  
Loss rate: 0.07%

Run 10: Report of Vivace-latency — Data Link

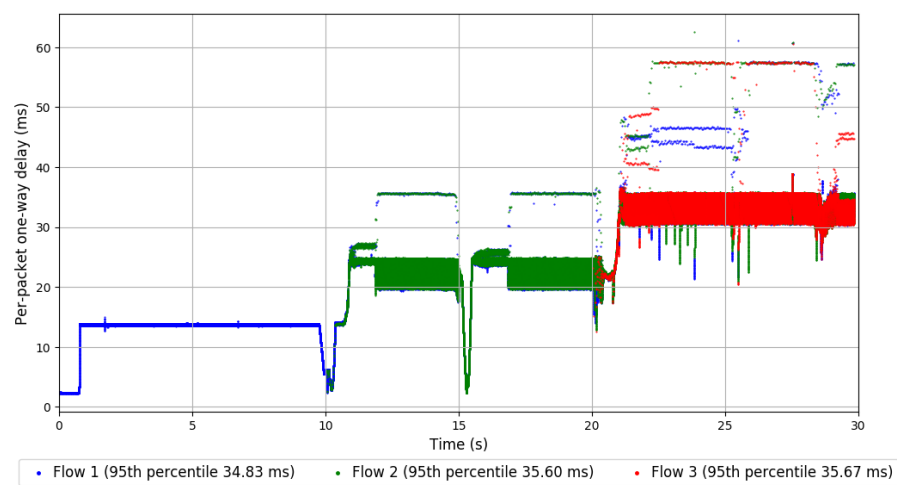
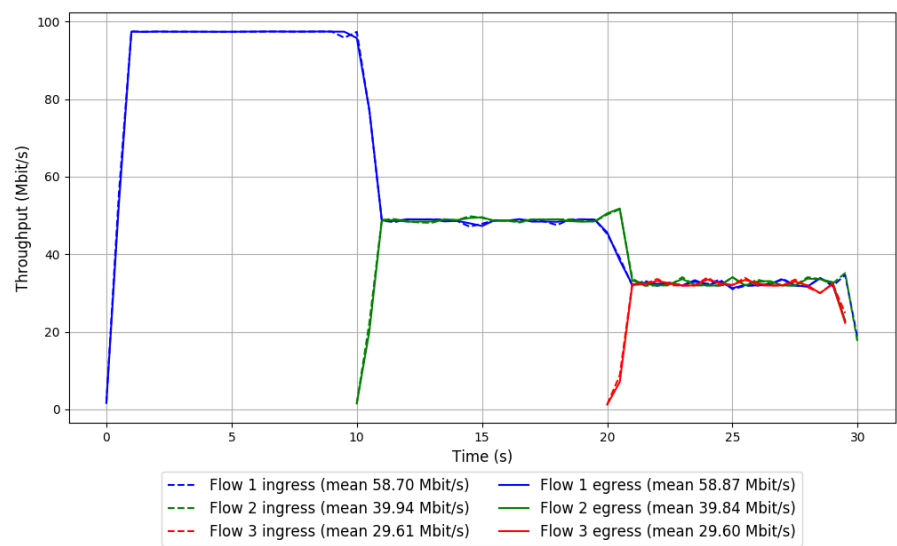


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 09:44:49
End at: 2018-02-20 09:45:19
Local clock offset: -12.821 ms
Remote clock offset: -12.889 ms

# Below is generated by plot.py at 2018-02-20 16:57:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 35.549 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 34.825 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 35.598 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 35.672 ms
Loss rate: 0.80%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 10:05:15

End at: 2018-02-20 10:05:45

Local clock offset: -13.171 ms

Remote clock offset: -12.835 ms

Run 2: Report of Vivace-loss — Data Link

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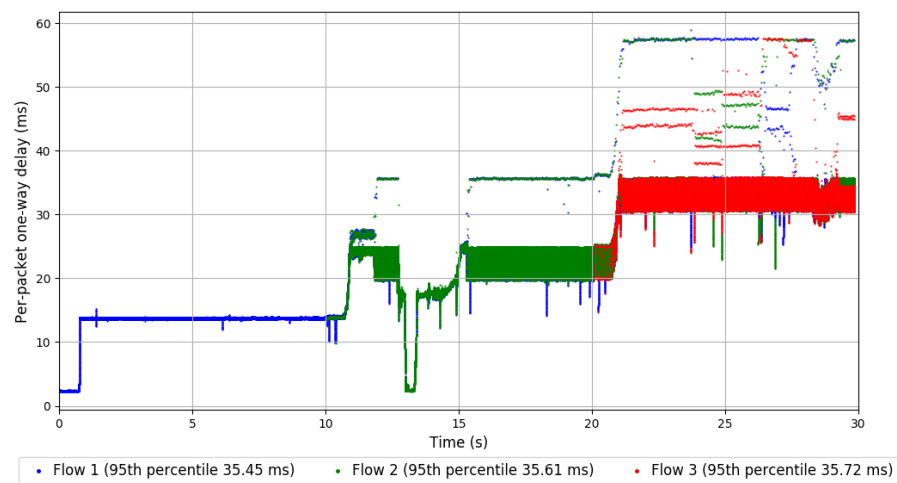
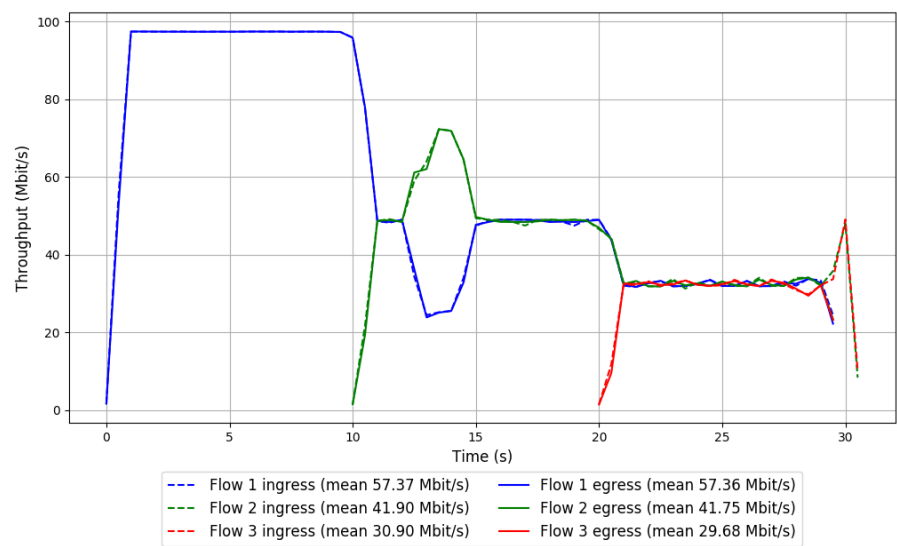
Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 10:25:39  
End at: 2018-02-20 10:26:09  
Local clock offset: -13.57 ms  
Remote clock offset: -12.63 ms

# Below is generated by plot.py at 2018-02-20 16:57:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.85 Mbit/s  
95th percentile per-packet one-way delay: 35.586 ms  
Loss rate: 2.54%  
-- Flow 1:  
Average throughput: 57.36 Mbit/s  
95th percentile per-packet one-way delay: 35.445 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 41.75 Mbit/s  
95th percentile per-packet one-way delay: 35.612 ms  
Loss rate: 4.11%  
-- Flow 3:  
Average throughput: 29.68 Mbit/s  
95th percentile per-packet one-way delay: 35.719 ms  
Loss rate: 10.96%



Run 3: Report of Vivace-loss — Data Link

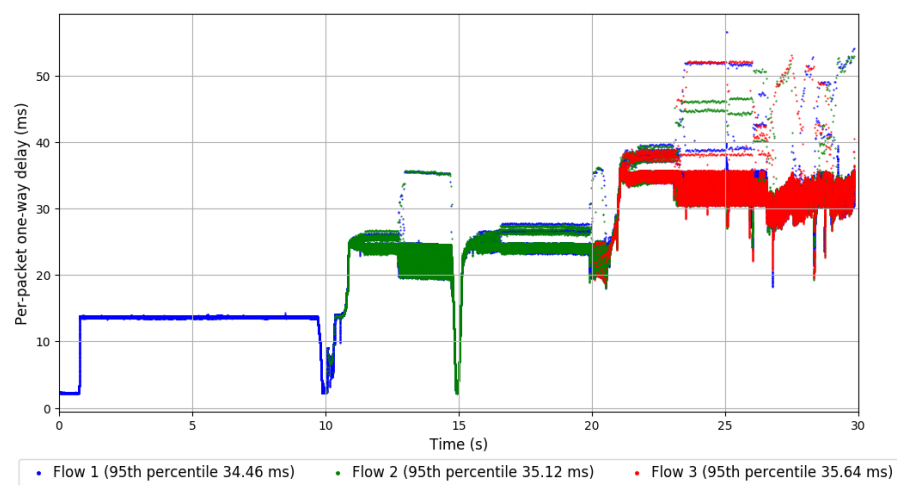
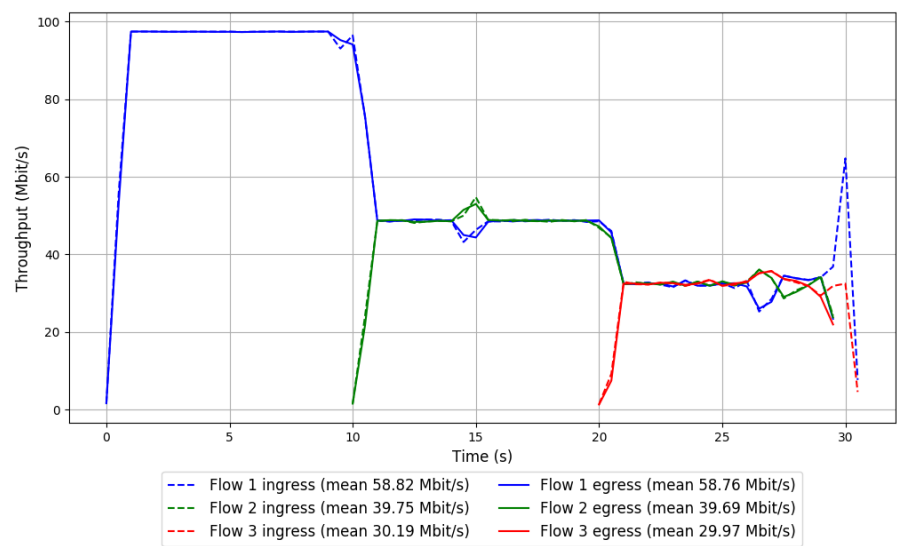


Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 10:46:06  
End at: 2018-02-20 10:46:36  
Local clock offset: -15.088 ms  
Remote clock offset: -12.481 ms

# Below is generated by plot.py at 2018-02-20 16:58:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.95 Mbit/s  
95th percentile per-packet one-way delay: 35.079 ms  
Loss rate: 2.43%  
-- Flow 1:  
Average throughput: 58.76 Mbit/s  
95th percentile per-packet one-way delay: 34.460 ms  
Loss rate: 2.47%  
-- Flow 2:  
Average throughput: 39.69 Mbit/s  
95th percentile per-packet one-way delay: 35.119 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 29.97 Mbit/s  
95th percentile per-packet one-way delay: 35.644 ms  
Loss rate: 7.71%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 11:06:32

End at: 2018-02-20 11:07:02

Local clock offset: -12.66 ms

Remote clock offset: -12.57 ms

Run 5: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 11:26:55

End at: 2018-02-20 11:27:25

Local clock offset: -10.738 ms

Remote clock offset: -12.599 ms

Run 6: Report of Vivace-loss — Data Link

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Figure is missing

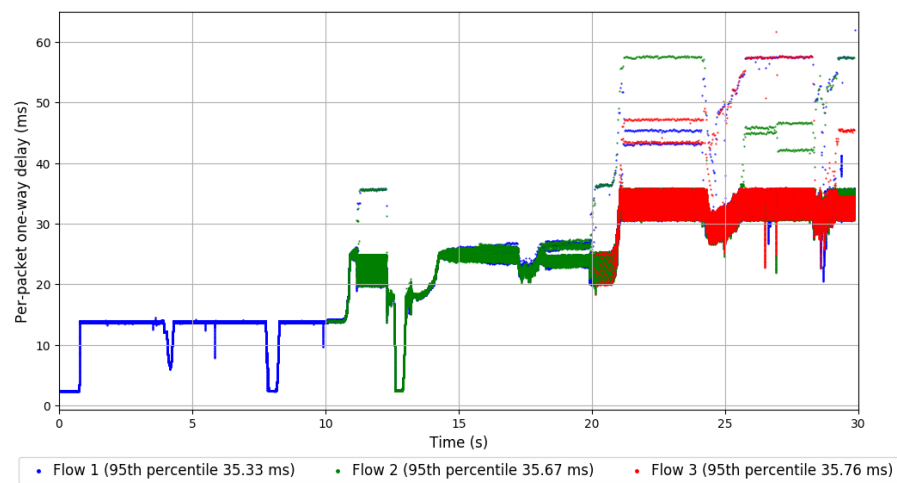
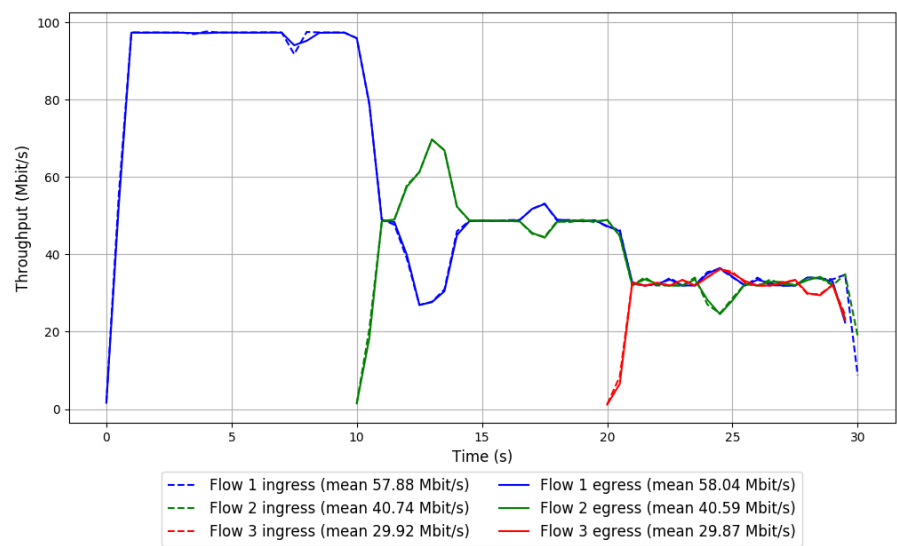
Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 11:47:19  
End at: 2018-02-20 11:47:49  
Local clock offset: -14.199 ms  
Remote clock offset: -12.712 ms

# Below is generated by plot.py at 2018-02-20 16:58:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.77 Mbit/s  
95th percentile per-packet one-way delay: 35.625 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 58.04 Mbit/s  
95th percentile per-packet one-way delay: 35.332 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 40.59 Mbit/s  
95th percentile per-packet one-way delay: 35.666 ms  
Loss rate: 1.98%  
-- Flow 3:  
Average throughput: 29.87 Mbit/s  
95th percentile per-packet one-way delay: 35.756 ms  
Loss rate: 0.57%



Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 12:07:44

End at: 2018-02-20 12:08:14

Local clock offset: -15.121 ms

Remote clock offset: -12.45 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 12:28:08

End at: 2018-02-20 12:28:38

Local clock offset: -14.494 ms

Remote clock offset: -12.516 ms

Run 9: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 12:48:34

End at: 2018-02-20 12:49:04

Local clock offset: -13.885 ms

Remote clock offset: -12.256 ms

Run 10: Report of Vivace-loss — Data Link

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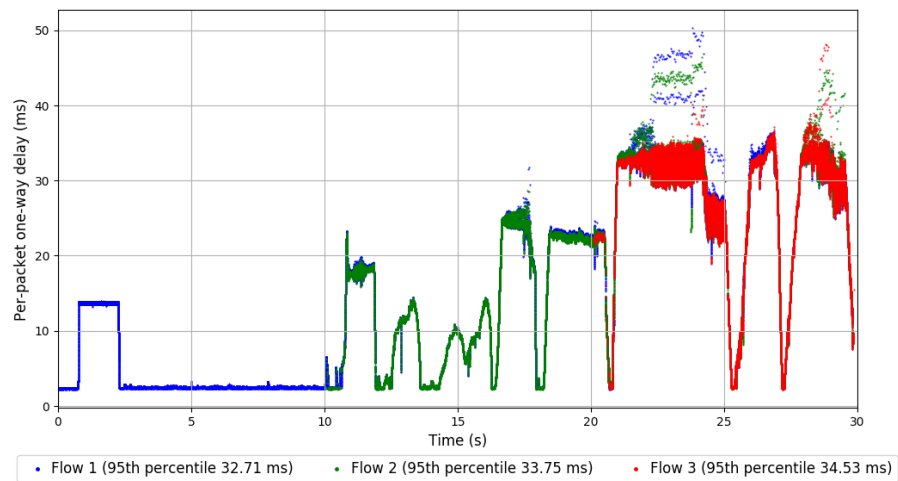
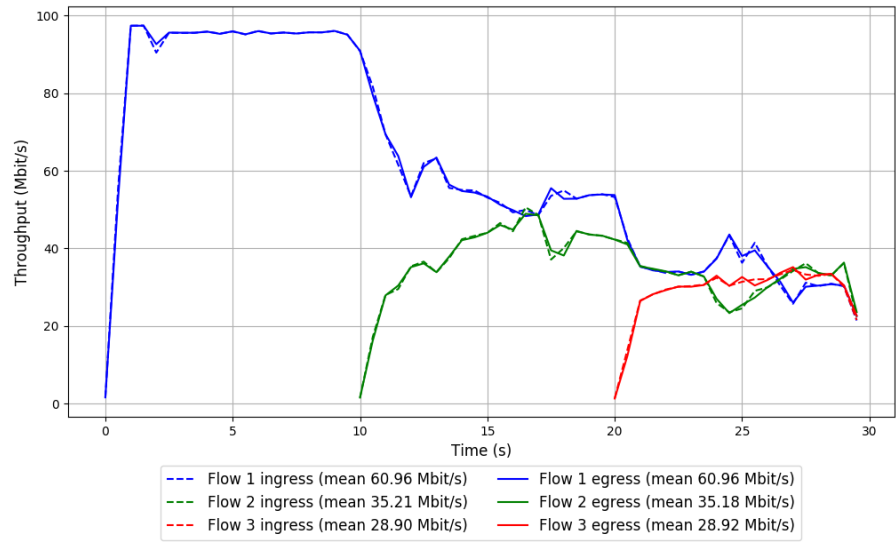
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 10:04:05  
End at: 2018-02-20 10:04:35  
Local clock offset: -13.166 ms  
Remote clock offset: -12.907 ms

# Below is generated by plot.py at 2018-02-20 16:58:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.82 Mbit/s  
95th percentile per-packet one-way delay: 33.447 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 60.96 Mbit/s  
95th percentile per-packet one-way delay: 32.714 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 35.18 Mbit/s  
95th percentile per-packet one-way delay: 33.752 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 28.92 Mbit/s  
95th percentile per-packet one-way delay: 34.529 ms  
Loss rate: 0.12%



# Run 1: Report of Vivace-LTE — Data Link

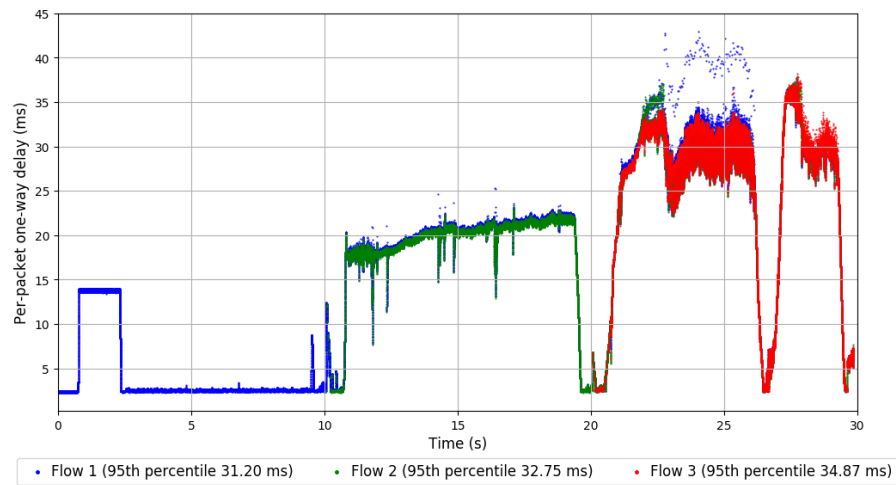
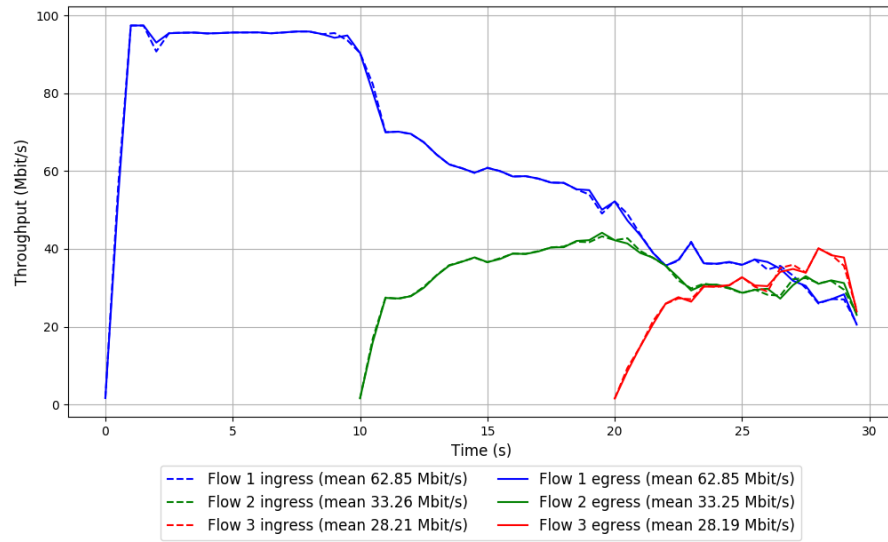


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 10:24:29  
End at: 2018-02-20 10:24:59  
Local clock offset: -13.374 ms  
Remote clock offset: -12.643 ms

# Below is generated by plot.py at 2018-02-20 16:58:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.21 Mbit/s  
95th percentile per-packet one-way delay: 32.332 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 62.85 Mbit/s  
95th percentile per-packet one-way delay: 31.204 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 33.25 Mbit/s  
95th percentile per-packet one-way delay: 32.752 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 28.19 Mbit/s  
95th percentile per-packet one-way delay: 34.871 ms  
Loss rate: 0.12%

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

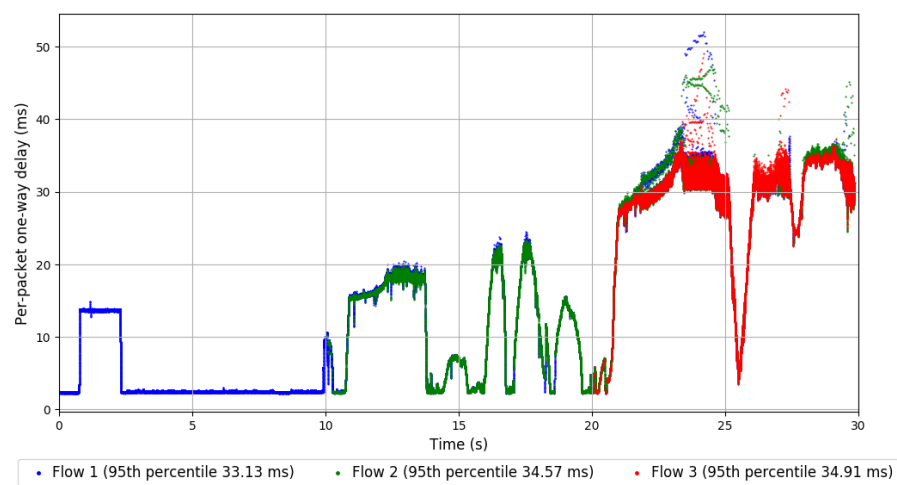
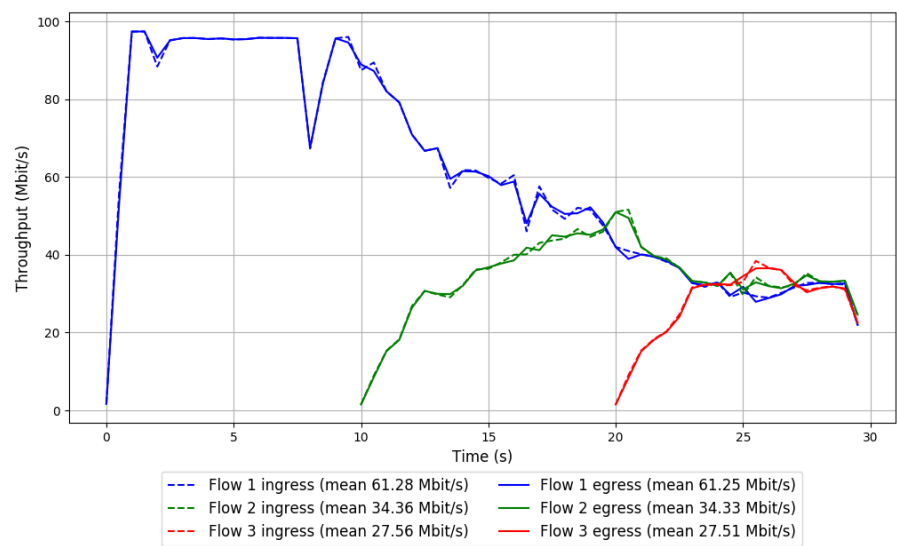


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 10:44:57  
End at: 2018-02-20 10:45:27  
Local clock offset: -15.106 ms  
Remote clock offset: -12.553 ms

# Below is generated by plot.py at 2018-02-20 16:59:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.08 Mbit/s  
95th percentile per-packet one-way delay: 34.264 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 61.25 Mbit/s  
95th percentile per-packet one-way delay: 33.129 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 34.33 Mbit/s  
95th percentile per-packet one-way delay: 34.568 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 27.51 Mbit/s  
95th percentile per-packet one-way delay: 34.906 ms  
Loss rate: 0.34%

Run 3: Report of Vivace-LTE — Data Link

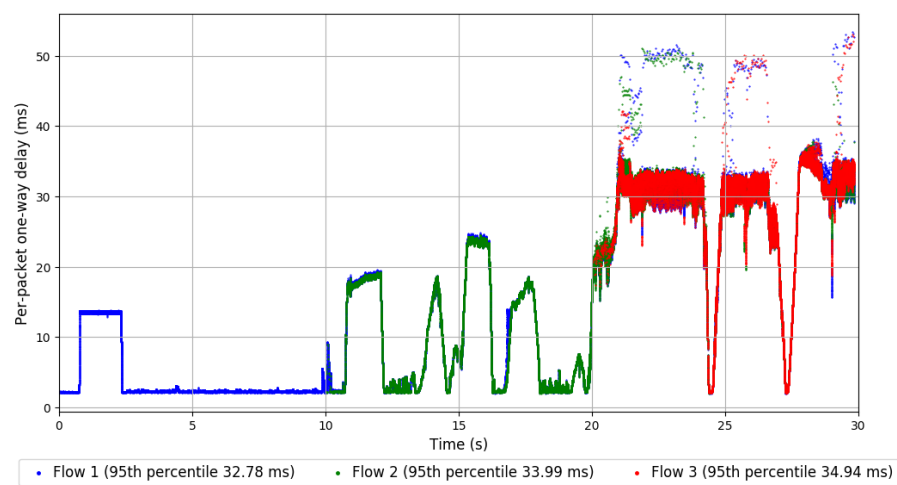
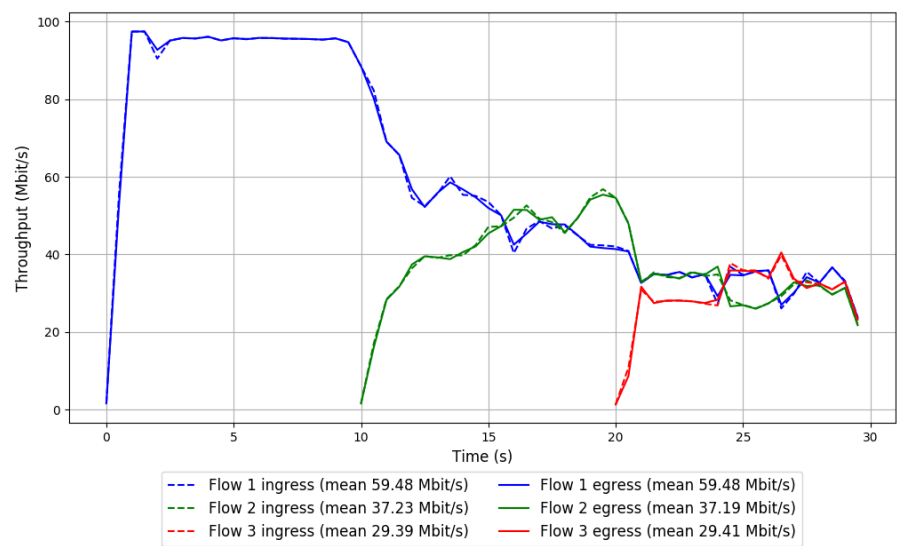


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 11:05:22  
End at: 2018-02-20 11:05:52  
Local clock offset: -12.898 ms  
Remote clock offset: -12.571 ms

# Below is generated by plot.py at 2018-02-20 16:59:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.84 Mbit/s  
95th percentile per-packet one-way delay: 33.602 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 59.48 Mbit/s  
95th percentile per-packet one-way delay: 32.776 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 37.19 Mbit/s  
95th percentile per-packet one-way delay: 33.986 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 29.41 Mbit/s  
95th percentile per-packet one-way delay: 34.941 ms  
Loss rate: 0.38%

Run 4: Report of Vivace-LTE — Data Link



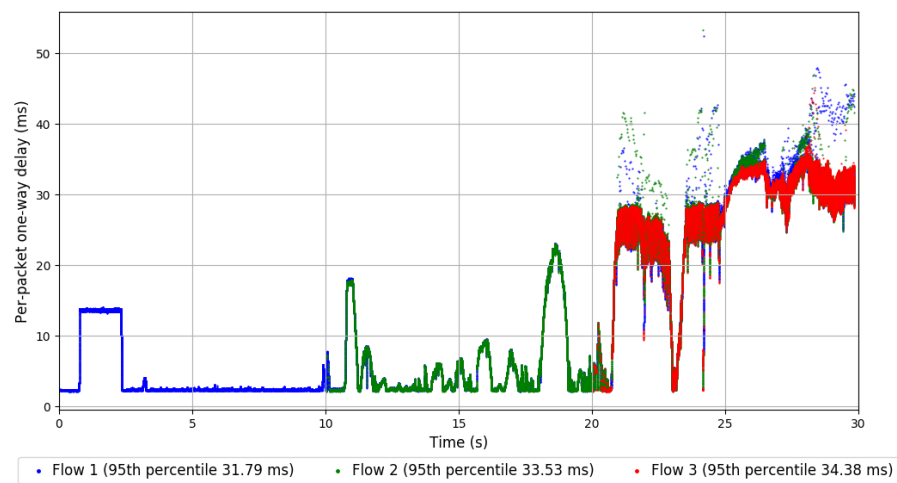
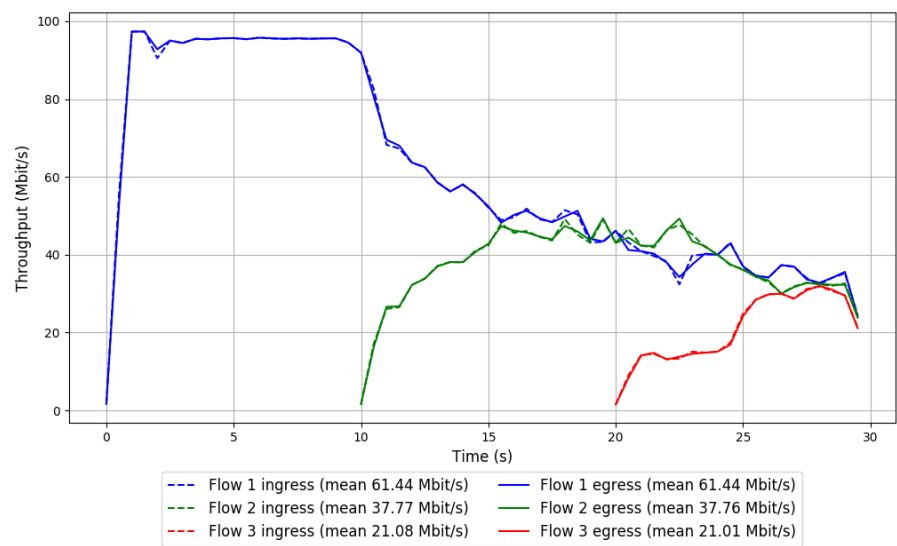
Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 11:25:45  
End at: 2018-02-20 11:26:15  
Local clock offset: -10.772 ms  
Remote clock offset: -12.598 ms

# Below is generated by plot.py at 2018-02-20 16:59:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.43 Mbit/s  
95th percentile per-packet one-way delay: 33.232 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 61.44 Mbit/s  
95th percentile per-packet one-way delay: 31.789 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 37.76 Mbit/s  
95th percentile per-packet one-way delay: 33.532 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 21.01 Mbit/s  
95th percentile per-packet one-way delay: 34.376 ms  
Loss rate: 0.50%



Run 5: Report of Vivace-LTE — Data Link

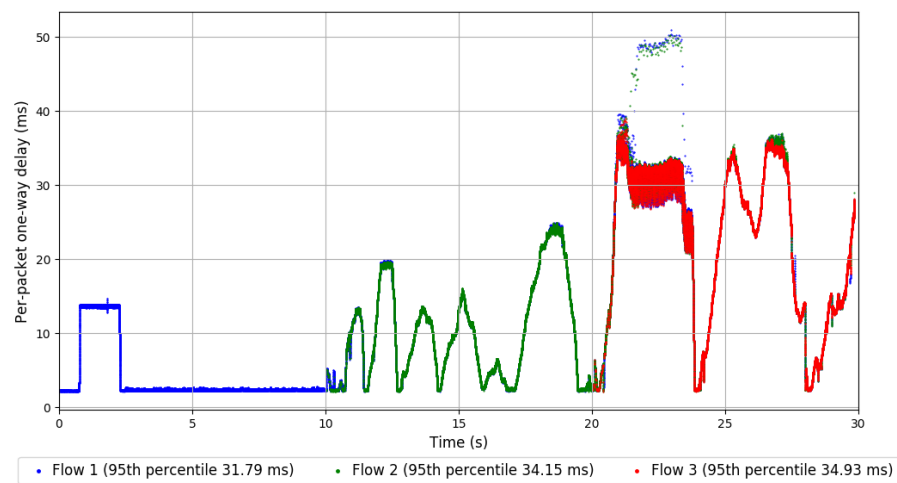
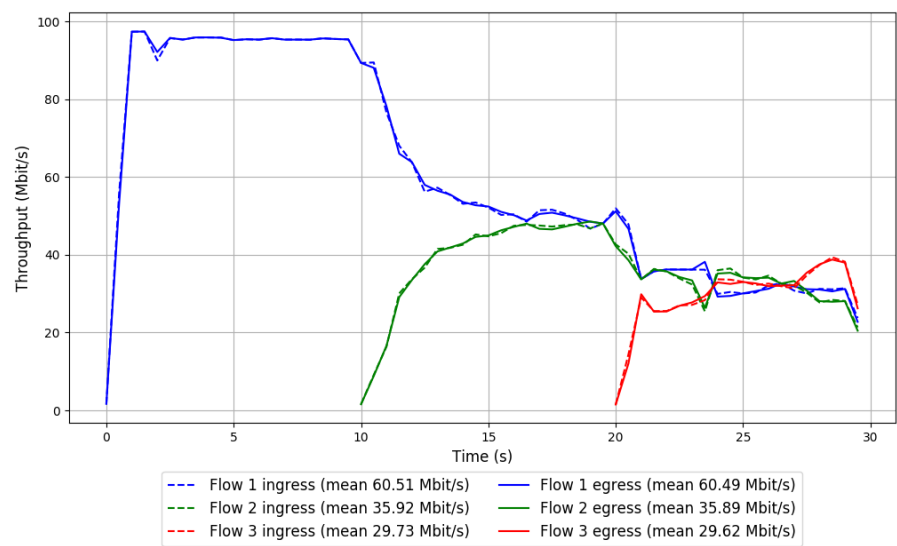


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 11:46:09  
End at: 2018-02-20 11:46:39  
Local clock offset: -14.153 ms  
Remote clock offset: -12.604 ms

# Below is generated by plot.py at 2018-02-20 16:59:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.06 Mbit/s  
95th percentile per-packet one-way delay: 33.107 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 60.49 Mbit/s  
95th percentile per-packet one-way delay: 31.785 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 35.89 Mbit/s  
95th percentile per-packet one-way delay: 34.147 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 29.62 Mbit/s  
95th percentile per-packet one-way delay: 34.926 ms  
Loss rate: 0.43%

Run 6: Report of Vivace-LTE — Data Link

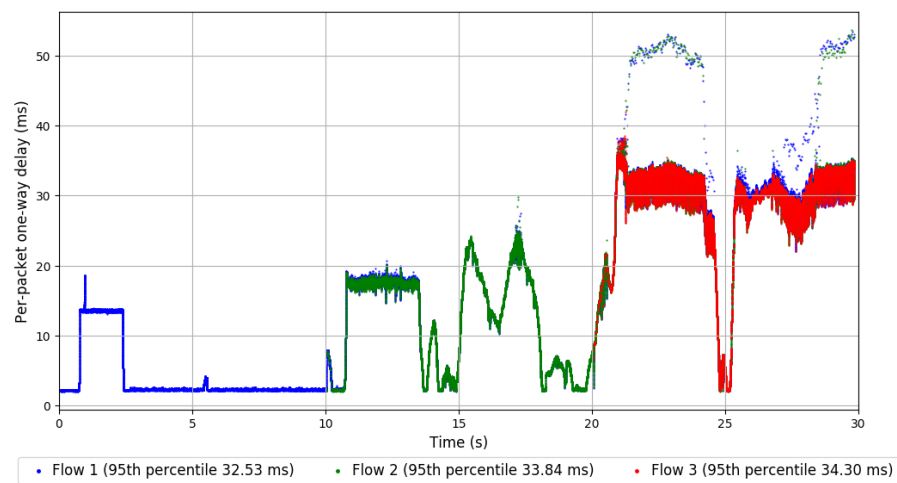
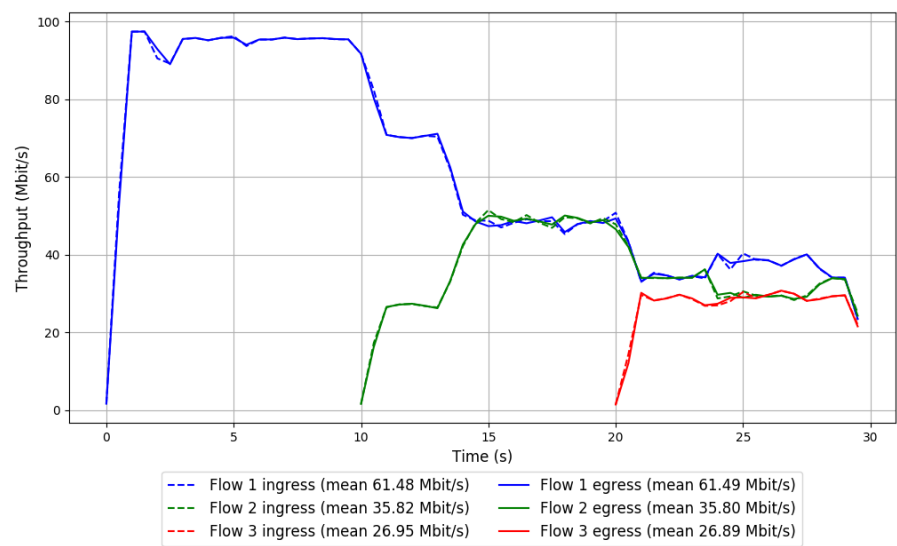


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 12:06:34  
End at: 2018-02-20 12:07:04  
Local clock offset: -15.284 ms  
Remote clock offset: -12.457 ms

# Below is generated by plot.py at 2018-02-20 16:59:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.11 Mbit/s  
95th percentile per-packet one-way delay: 33.577 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 61.49 Mbit/s  
95th percentile per-packet one-way delay: 32.528 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 35.80 Mbit/s  
95th percentile per-packet one-way delay: 33.835 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 26.89 Mbit/s  
95th percentile per-packet one-way delay: 34.301 ms  
Loss rate: 0.44%

Run 7: Report of Vivace-LTE — Data Link

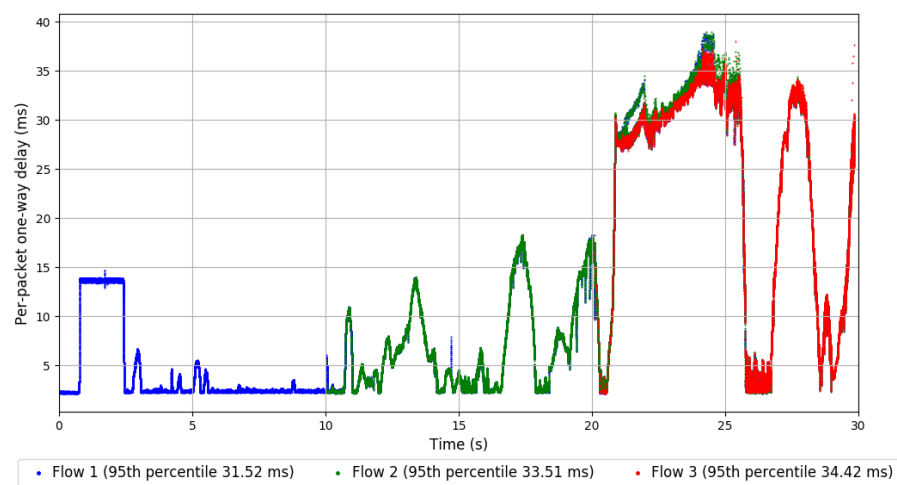
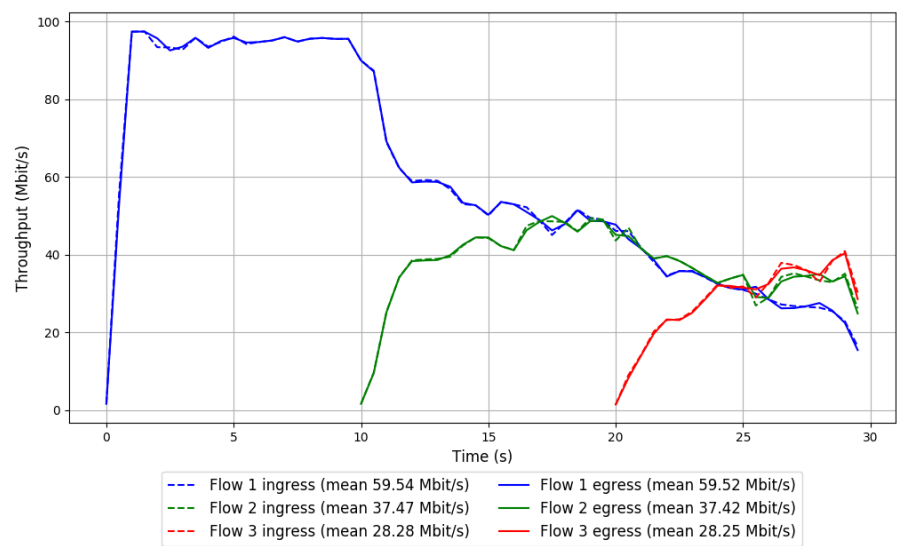


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 12:26:58  
End at: 2018-02-20 12:27:28  
Local clock offset: -14.552 ms  
Remote clock offset: -12.525 ms

# Below is generated by plot.py at 2018-02-20 16:59:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.68 Mbit/s  
95th percentile per-packet one-way delay: 32.943 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 59.52 Mbit/s  
95th percentile per-packet one-way delay: 31.516 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 37.42 Mbit/s  
95th percentile per-packet one-way delay: 33.506 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 28.25 Mbit/s  
95th percentile per-packet one-way delay: 34.421 ms  
Loss rate: 0.51%

Run 8: Report of Vivace-LTE — Data Link



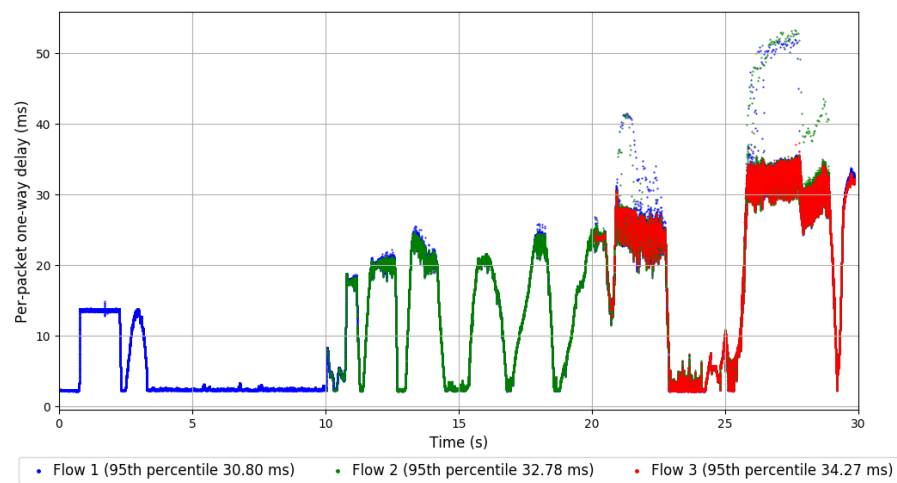
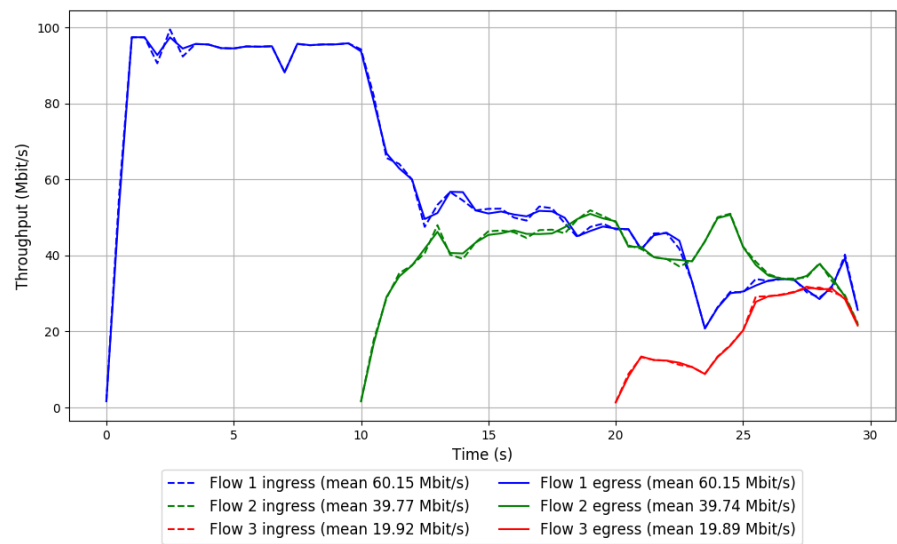
Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 12:47:24  
End at: 2018-02-20 12:47:54  
Local clock offset: -13.875 ms  
Remote clock offset: -12.203 ms

# Below is generated by plot.py at 2018-02-20 16:59:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.09 Mbit/s  
95th percentile per-packet one-way delay: 32.624 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 60.15 Mbit/s  
95th percentile per-packet one-way delay: 30.802 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 39.74 Mbit/s  
95th percentile per-packet one-way delay: 32.776 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 19.89 Mbit/s  
95th percentile per-packet one-way delay: 34.269 ms  
Loss rate: 0.55%



Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 13:07:48  
End at: 2018-02-20 13:08:18  
Local clock offset: -13.198 ms  
Remote clock offset: -12.244 ms

# Below is generated by plot.py at 2018-02-20 16:59:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.66 Mbit/s  
95th percentile per-packet one-way delay: 33.503 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 54.70 Mbit/s  
95th percentile per-packet one-way delay: 30.591 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 43.96 Mbit/s  
95th percentile per-packet one-way delay: 33.650 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 26.68 Mbit/s  
95th percentile per-packet one-way delay: 35.053 ms  
Loss rate: 0.04%

Run 10: Report of Vivace-LTE — Data Link

